Dover HS / Career Technical Center

VOLUME 1 OF 2

25 Alumni Drive, Dover, NH

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Sarah Greenshields, City Councilor
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Mattew Severson PE, School Citizen Reprentative
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Elaine Arbour, Superintendent, Dover Public Schools
Peter Driscoll, Principal, Dover HS & Career Technical Center
Louise Paradis, Director, Career Technical Center
Karen Taylor, business Administrator, Dover Public Schools
Jeffrey White, Facilites Director

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Halvorson Design Partnership, Inc / Landscape Architect
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Kalin Associates, Inc. / Specifications Consultant
McPhail Associates, LLC / Geotechnical & Geoenvironmental Engineers
Crabtree McGrath Associate, Inc. / Food Service & Equipment Consultants
Cavanaugh Tocci Associates, Inc. / Acoustical Consultants

PC Construction Company / Construction Manager

100% DESIGN DEVELOPMENT

COST ESTIMATE SET

March 15th, 2016

HMFH ARCHITECTS

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- X1.1 Boundary Survey
- X1.2 Boundary Survey
- X1.3 Boundary Survey
- X1.4 Boundary Survey
- X1.5 Boundary Survey Notes

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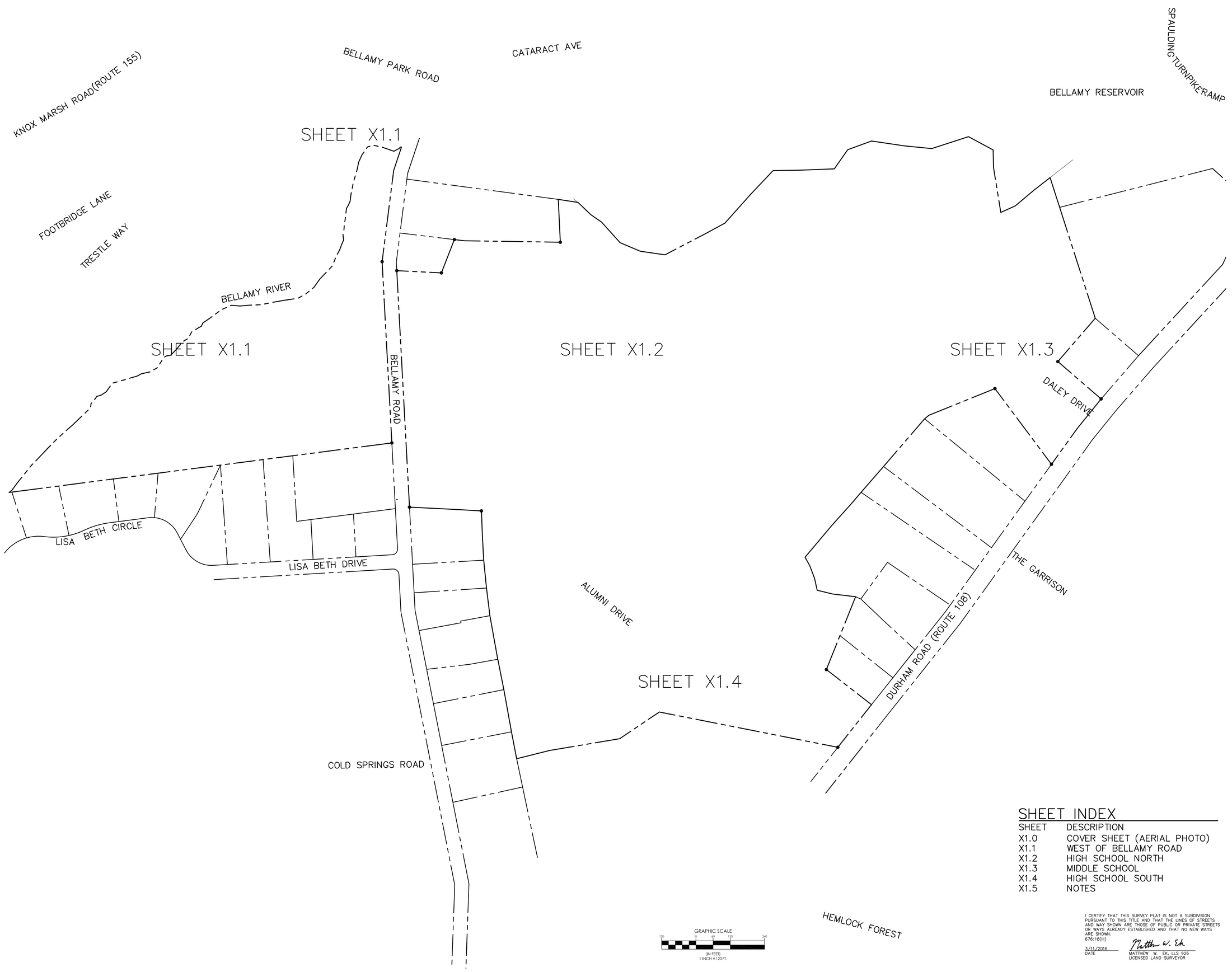

SHEET INDEX

SHEET	DESCRIPTION
X1.0	COVER SHEET (AERIAL PHOTO)
X1.1	WEST OF BELLAMY ROAD
X1.2	HIGH SCHOOL NORTH
X1.3	MIDDLE SCHOOL
X1.4	HIGH SCHOOL SOUTH
X1.5	NOTES

GRAPHIC SCALE
120 0 60 120 240
(IN FEET)
1 INCH = 120 FT.

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAY SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.
676:18(III)

3/11/2016
DATE

Matthew W. Ek
MATTHEW W. EK, LLS 926
LICENSED LAND SURVEYOR

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E	MWE	3/11/16	REVISED TITLE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED
D	MWE	2/19/16	REVISED TITLE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED
C	MWE	1/20/16	REVISED PER UTILITY DYE & SMOKE TESTS TO FIND AND VERIFY PIPES
B	MWE	11/24/15	RELEASED PER CLIENT REVIEW COMMENTS
A	MWE	2/25/15	RELEASED TO CLIENT FOR REVIEW

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Dover HS / Career Technical Center
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1448OC.dwg, TAB:X1.1

SEE SHEET X1.2

SEE VIEW TO LEFT

SEE SHEET X1.2

BELLAMY ROAD

N 87°56'12" W 827.96'

N 3°04'43" W 634.57'

N 3°04'43" W

BLEACHERS

RADIO SPEED TABLE "WALK"

SHACK SHACK

20 FOOT WIDE FRONT SETBACK

20 FOOT WIDE SIDE SETBACK

250 FOOT SETBACK FROM RIVER

150 FOOT SETBACK FROM RIVER

50 FOOT SETBACK FROM RIVER

FOOTBALL GOALPOST

PAVED PARKING

DAM

100 YEAR FLOOD SEE NOTE 8

BELLAMY RIVER

WETLAND PROTECTION DISTRICT (SEE NOTE 14)

100 FOOT WIDE BUFFER CONSERVATION EASEMENT (SEE NOTE 14)

50 FOOT SETBACK FROM RIVER

12" PVC INV. IN

4" IRON PIPE 18" IRON

5/8" REBAR 1" HIGH WITH CAP DAVIS

5/8" REBAR WITH CAP CIVIL WORKS 583

MAP N, LOT 43 PETER & LEE ANNE SAFFORD 1264/990

MAP N, LOT 10 THE CRONHOLM FAMILY REVOCABLE TRUST 2974/530

MAP N, LOT 44-Y LOIS ANNE KEENAN 2401/249

MAP N, LOT 44-Q N/F CORRENTI DARREN 3309/214

MAP N, LOT44-K-2 N/F THE JUDITH F MESNER REVOCABLE TRUST & THE ROBERT J MESNER REVOCABLE TRUST 2267/95

MAP N, LOT 44-K-1 N/F BENJAMIN & CAROL YN SCHWAM 2442/48

MAP N, LOT 44-E N/F MARCY M. ORRELL REVOCABLE LIVING TRUST 2784/65

MAP N, LOT 44-F JAMES & ANNE MARIE 2807/452

GRAPHIC SCALE
(IN FEET)
1 INCH = 40 FT.

SMH5010 CB5502 CB5503 CB5504 CB5505 CB5506 CB5507 CB5508 CB5509 CB5510 CB5511 CB5512 CB5513 CB5514 CB5515 CB5516 CB5517 CB5518 CB5519 CB5520 CB5521 CB5522 CB5523 CB5524 CB5525 CB5526 CB5527 CB5528 CB5529 CB5530 CB5531 CB5532 CB5533 CB5534 CB5535 CB5536 CB5537 CB5538 CB5539 CB5540 CB5541

Dover HS / Career Technical Center
Dover, NH

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E	MWE	3/11/16	REVISED TITLE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED

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Date: 2/23/15
MATTHEW W. DK, LLS 926
OF SEBAGO TECHNICS, INC.

1448OC.dwg, TAB:X1.2

GRAPHIC SCALE
0 1 2 4 8
(IN FEET)
1 INCH = 40 FT.

SEE SHEET X1.3
SEE SHEET X1.3
SEE SHEET X1.4
SEE SHEET X1.1

MEAN HIGH WATER LINE
50 FOOT SETBACK FROM WOR
150 FOOT SETBACK FROM WOR
250 FOOT SETBACK FROM RIVER
150 YEAR FLOOD SEE NOTE 8
4"x4" CONCRETE MONUMENT 4" HIGH WITH DRILL HOLE
4"x4" CONCRETE MONUMENT 4" HIGH WITH DRILL HOLE
4"x4" CONCRETE MONUMENT 4" HIGH WITH DRILL HOLE
4"x4" CONCRETE MONUMENT 6" HIGH WITH DRILL HOLE FENCE SUPPORT
MAP N, LOT 14-D LOT 1 THE BELLAMY TRUST 1815/841
MAP N, LOT 13 LOT 1 MARC CARTER, JR. 2362/85
MAP N, LOT 13-A JOVIAL INN CONDO, N.A. 4029/292
BELLAMY ROAD
DHS
LANDSCAPED LETTERS
SCOREBOARD
BLEACHERS
BENCHMARK: TOP NUT 1' ANCHOR BOLT ON LIGHT POLE ELEVATION=94.2'
5/8" REBAR 12" HIGH WITH CAP BENNY (CORNER)
5/8" REBAR 4" HIGH BENT
DUMPSTER PAD
BRICK TOILET BOOTH
PIT
WELL
TENNIS COURTS
BATTING CAGE
LIGHT TOWER W/ FENCE
GRID
N

Dover HS / Career Technical Center
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Dover, NH

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D	MWE	2/19/16	REVISED TITLE BLOCK AND UTILITIES PER ADDITIONAL UTILITY INFORMATION PROVIDED
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MATTHEW W. DX, LLS 926

14480CX.dwg, TAB:X1.3

DURHAM ROAD (ROUTE 108)

DALEY DRIVE

SEE SHEET X1.4

SEE SHEET 3

GRAPHIC SCALE
(IN FEET)
1 INCH = 40 FT.

Dover HS / Career Technical Center
Dover, NH

Bounder Survey

SCALE: | DRAWN BY: MWE | CHECKED BY: MWE

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MATTHEW W. DK. LS 926
OF SEBAGO TECHNICS, INC.

DURHAM ROAD (ROUTE 108)

ALUMNI DRIVE

SEE SHEET X1.3

SEE SHEET X1.2

GRAPHIC SCALE
(IN FEET)
1 INCH = 40 FT.

STRUCTURE TABLE

Point #	TYPE	Rim Elevation	Invert In/Out	Pipe Elevation	Pipe Size	Pipe Direction Type	(N=12)	Comments
1082	CB	76.30	OUT	70.60	12	HDPE	11	
			SUMP	67.80	0	NONE	NONE	ON DIRT
1208	CB	78.03	OUT	69.43	12	HDPE	10	
			IN	69.48	12	HDPE	2	
			SUMP	66.73	0	NONE	NONE	ON DIRT
1278	MH	89.77	OUT	79.57	12	RCP	10	
			IN	79.47	12	RCP	5	
			IN	80.17	4	PVC	2	
			IN	79.57	8	PVC	3	
			IN	77.01	6	PVC	8	
			SHELF	66.76	0	NONE	NONE	
1310	CBR	80.31	OUT	67.71	24	RCP	12	
			IN	67.81	18	RCP	8	
			IN	74.01	8	VIT CLAY	9	
			IN	76.96	6	VIT CLAY	11	
			IN	79.00	8	VIT CLAY	6	
			SUMP	79.00	0	NONE	NONE	
1316	CB	79.00	OUT	77.40	6	VIT CLAY	6	
			SUMP	74.70	0	NONE	NONE	ON DIRT
1475	CB	76.80	OUT	70.70	12	HDPE	4	
			IN	72.40	6	PVC	8	
			SUMP	67.80	0	NONE	NONE	ON DIRT
1517	CB	76.56	OUT	71.26	12	HDPE	8	
			IN	72.01	4	HDPE	5	
			SUMP	68.46	0	NONE	NONE	ON DIRT
1581	CB	74.93	OUT	67.98	12	HDPE	8	
			IN	67.93	12	HDPE	3	
			IN	67.83	12	HDPE	11	
			IN	70.33	4	HDPE	1	
			SUMP	93.14	0	NONE	NONE	ON DIRT
1661	DMH	93.14	OUT	85.74	8	VIT CLAY	11	
			IN	90.49	8	VIT CLAY	5	
			SUMP	84.14	0	NONE	NONE	ON DIRT
1706	CB	80.46	OUT	76.96	6	VIT CLAY	2	
			IN	77.56	6	PVC	7	
			SUMP	76.76	0	NONE	NONE	ON DIRT
1711	CB	80.46	OUT	76.86	8	VIT CLAY	5	
			IN	78.76	4	PVC	1	
			SUMP	74.11	0	NONE	0	ON DIRT
1728	CB	79.99	OUT	77.19	8	VIT CLAY	3	
			IN	78.24	4	HDPE	11	
			SUMP	75.54	0	NONE	NONE	ON DIRT
1761	CB	83.86	OUT	80.26	12	RCP	9	
			SUMP	78.86	0	NONE	NONE	BLOCK CONSTRUCTION
1771	CB	83.46	OUT	79.61	15	RCP	11	
			IN	81.36	4	METAL	1	PERFORATED
			IN	80.11	12	RCP	10	
			IN	79.66	15	RCP	6	
			SUMP	84.81	0	NONE	NONE	ON DIRT
1798	CB	84.81	OUT	82.71	12	HDPE	3	
			IN	82.76	8	HDPE	8	
			SUMP	81.41	0	NONE	NONE	ON DIRT
1800	CB	84.99	OUT	82.89	8	HDPE	5	CB IS SMALL PLASTIC
			IN	82.89	8	HDPE	9	
			SUMP	81.89	0	CONC	NONE	
1820	CB	84.10	OUT	76.45	18	RCP	2	
			IN	77.50	15	RCP	6	
			IN	77.80	12	RCP	9	
			SUMP	76.30	0	NONE	NONE	ON DIRT
1829	SMH	81.64	IN	76.04	12	ASBESTOS	3	
			OUT	75.84	12	ASBESTOS	8	
			SHELF	76.59	0	NONE	NONE	
1834	SMH	81.81	SUMP	76.41	0	NONE	NONE	SEWER METER (PER PW)
1836	SMH	82.65	OUT	76.80	12	CLAY	10	INVERT THROUGH HOLE IN PIPE
			IN	76.80	12	CLAY	4	INVERT THROUGH HOLE IN PIPE
			SHELF	77.55	0	NONE	NONE	
2043	CB	76.17	OUT	68.97	12	HDPE	4	
			SUMP	65.57	0	NONE	NONE	ON DIRT
2175	CB	76.39	OUT	70.39	12	HDPE	8	
			IN	70.54	12	HDPE	2	
			IN	72.49	4	HDPE	5	
			SUMP	67.59	0	NONE	NONE	ON DIRT
2266	CB	75.41	OUT	67.06	15	HDPE	3	
			IN	67.06	12	HDPE	1	
			IN	68.61	12	HDPE	11	
			IN	70.21	4	HDPE	12	
			SUMP	72.24	0	NONE	NONE	ON DIRT
2324	CB	72.24	OUT	66.79	12	HDPE	1	
			SUMP	65.24	0	NONE	NONE	ON DIRT
2326	CB	72.19	IN	65.99	15	HDPE	9	
			IN	66.29	12	HDPE	6	
			IN	67.29	4	HDPE	7	
			IN	67.09	4	HDPE	5	
			OUT	71.11	18	HDPE	4	
			SUMP	71.11	0	NONE	NONE	ON DIRT
2413	CB	71.11	OUT	65.81	12	HDPE	5	
			IN	66.31	4	HDPE	3	
			IN	66.31	4	HDPE	6	
			SUMP	63.01	0	NONE	NONE	ON DIRT
2458	CB	76.52	IN	64.67	12	HDPE	10	
			IN	64.92	18	HDPE	8	
			OUT	64.47	18	HDPE	2	
			SUMP	61.62	0	NONE	NONE	ON DIRT
2478	DMH	79.43	IN	72.73	12	HDPE	3	
			IN	74.43	4	HDPE	5	
			OUT	64.03	20	HDPE	6	
			IN	64.18	18	HDPE	9	
			SUMP	82.93	0	NONE	NONE	ON DIRT
2516	CB	82.93	OUT	76.23	12	HDPE	8	
			SUMP	72.93	0	NONE	NONE	ON DIRT
2534	SMH	84.68	IN	72.98	8	CLAY	7	
			OUT	72.88	8	CLAY	1	
			SHELF	74.08				
2567	CB	79.79	OUT	77.09	UNK	UNK	UNK	TOP SHELF
			OUT	76.09	UNK	UNK	UNK	APPARENT TOP PIPE
			OUT	73.59	UNK	UNK	UNK	REFUSAL
2626	SMH	82.34	IN	74.44	12	UNK	7	
			OUT	74.44	12	UNK	1	
			SHELF	75.64				
3142	CBR	83.02	OUT	78.27	24	RCP	2	
			IN	78.22	15	RCP	6	
			IN	78.22	15	RCP	8	
			SUMP	75.67	0	NONE	NONE	ON DIRT
3186	CB	81.84	OUT	78.74	15	RCP	10	
			IN	78.79	15	RCP	5	
			SUMP	76.29	0	NONE	NONE	ON DIRT
3213	CB	82.33	OUT	80.18	12	CMP	2	
			SUMP	79.73	0	NONE	NONE	ON DIRT
3217	CB	82.65	OUT	79.75	15	RCP	10	
			IN	79.80	15	RCP	4	
			IN	79.85	12	CMP	8	
			SUMP	78.60	0	NONE	NONE	ON DIRT
3287	CB	87.79	IN	81.79	12	CMP	1	
			OUT	78.69	15	CMP	10	
			SUMP	79.2				ON DIRT

STRUCTURE TABLE

Point #	TYPE	Rim Elevation	Invert In/Out	Pipe Elevation	Pipe Size	Pipe Direction Type	(N=12)	Comments
3296	CB	89.43	IN	84.43	12	CMP	1	
			OUT	83.93	12	CMP	7	
			SUMP	82.53				
3301	SMH	89.96	IN	81.16	12	PVC	7	
			OUT	80.86	12	PVC	1	
			SHELF	82.11				
3309	CB	88.60	OUT	83.60	UNK	UNK	7	UNDER WATER
			IN	85.10	12	PVC	1	UNDER WATER
			SUMP	82.10	0	NONE	NONE	ON DIRT
			WATER	85.70	0	NONE	NONE	
3363	CB	87.03	OUT	82.83	12	PVC	4	
			SUMP	80.93	0	NONE	NONE	ON DIRT
3366	DMH	87.65	OUT	80.70	15	RCP	10	
			IN	82.25	12	HDPE	7	
			IN	82.40	12	PVC	10	
			IN	81.10	15	RCP	4	
			SUMP	79.87	0	NONE	NONE	ON DIRT
3396	CB	79.87	OUT	77.62	18	CMP	11	
			IN	76.97	15	CMP	3	
			SUMP	77.47	0	NONE	NONE	DEPTH SUMP± FILLED W DIRT
3424	CBR	82.73	OUT	78.28	15	RCP	1	
			IN	78.38	12	RCP	7	
			SUMP	75.73	0	NONE	NONE	ON DIRT
3426	CB	94.11	OUT	90.41	6	ESBESTOS	12	
			SUMP	90.61	0	NONE	NONE	ON DIRT
3615	CBR	93.15	IN	86.85	8	CLAY	4	
			OUT	86.75	8	METAL	8	
			SUMP	86.00				ON DIRT
3647	CBR	93.16	IN	87.96	6	RCP	7	
			OUT	87.91	8	CLAY	10	
			SUMP	87.91				ON DIRT
3805	CBR	82.47	IN	79.32	12	RCP	12	
			IN	79.62	12	METAL	5	
			IN	80.67	3	METAL	5	
			IN	79.37	3	METAL	8	
			IN	81.03	6	VIT CLAY	4	
			SUMP	81.03	0	NONE	NONE	ON DIRT
3863	CBR	81.03	IN	78.43	8	RCP	12	
			IN	78.43	6	RCP	6	
			IN	79.33	6	ASBESTOS	10	OUTLET NOT OBSERVED
			SUMP	76.33	0	NONE	NONE	ON DIRT
3914	CB	80.74	OUT	77.89	8	VIT CLAY	1	
			IN	77.99	8	VIT CLAY	5	WATER AT 2.65
			SUMP	75.49	0	NONE	NONE	ON DIRT
3978	SMH	87.23	OUT	79.83	8	PVC	7	
			IN	79.83	8	PVC	3	
			SHELF	80.68	0	NONE	NONE	
4037	CBR	84.52	OUT	79.42	8	METAL	10	
			SUMP	76.92	0	NONE	NONE	ON DIRT
4117	SMH	85.39	OUT	81.09	8	PVC	12	
			IN	81.14	8	PVC	6	
			SHELF	81.69	0	NONE	NONE	
4156	CB	84.78	OUT	81.03	12	RCP	6	
			SUMP	78.13	0	NONE	NONE	
4320	CB	84.79	OUT	80.19	15	RCP	3	
			IN	80.29	6	HDPE	7	
			SUMP	80.29	0	NONE	NONE	ON DIRT
			IN	80.29	12	RCP	12	
4441	CB	79.76	OUT	74.61	12	HDPE	11	
			IN	75.27	12	HDPE	8	
			SUMP	72.51	0	NONE	NONE	ON DIRT
4443	CB	80.01	OUT	75.16	12	HDPE	2	UNDER WATER
			WATER	75.21	0	NONE	NONE	
			SUMP	72.01	0	NONE	NONE	ON DIRT
4456	CB	77.50	CENTER	73.15	0	NONE	NONE	FLOW NORTH EAST
			TOP	75.30	0	NONE	NONE	ON TOP OF PIPE STRUCTURE
4723	SMH	71.04	OUT	65.99	8	PVC	11	
			IN	65.94	8	PVC	5	
			SHELF	66.74	0	NONE	NONE	
4782	DMH	76.47	OUT	68.02	12	HDPE	9	
			IN	68.72	12	HDPE	4	
			IN	72.27	12	HDPE	7	
			SUMP	66.77	0	NONE	NONE	ON DIRT
4784	CB	76.24	OUT	73.14	12	HDPE	1	
			SUMP	73.14	0	NONE	NONE	ON DIRT
4786	CB	75.93	IN	68.13	12	HDPE	3	
			OUT	67.73	12	HDPE	7	
			SUMP	65.43	0	NONE	NONE	ON DIRT
4788	CB	71.66	OUT	61.26	12	HDPE	11	
			IN	64.66	12	HDPE	2	
			IN	64.41	12	HDPE	6	
			IN	62.66	12	HDPE	9	
			SUMP	71.35	0	NONE	NONE	ON DIRT
4790	CB	71.35	OUT	65.90	12	HDPE	12	
			IN	65.60	12	HDPE	5	
			SUMP	65.85	0	NONE	NONE	FILLED W DIRT
4794	CB	68.93	OUT	63.68	10	HDPE	2	
			IN	63.88	12	HDPE	6	
			IN	63.78	12	HDPE	5	
			SUMP	60.93	0	NONE	NONE	ON DIRT
4796	CB	71.97	OUT	67.02	12	HDPE	2	
			SUMP	63.82	0	NONE	NONE	ON DIRT
4798	CB	71.75	OUT	66.40	12	HDPE	11	
			IN	66.60	12	HDPE	5	
			IN	66.55	12	HDPE	8	
			SUMP	63.45	0	NONE	NONE	ON DIRT
5002	CB	72.91	OUT	66.76	12	HDPE	3	
			IN	66.61	12	HDPE	9	
			SUMP	64.51	0	NONE	NONE	ON DIRT
5012	CB	72.88	OUT	67.23	12	HDPE	4	
			SUMP	65.38	0	NONE	NONE	ON DIRT
5245	SMH	81.31	IN	72.91	12	UNK	6	
			OUT	72.91	12	VIT CLAY	12	
			IN	76.61	4	VIT CLAY	3	TOP PIPE
			SHELF	73.71	0	NONE	NONE	
5427	CB	86.11	OUT	81.11	12	HDPE	6	
			IN	80.76	12	HDPE	9	
			SUMP	79.21	0	NONE	NONE	ON DIRT
5430	SMH	86.54	OUT	75.09	12	UNK	12	
			IN	75.24	12	VIT CLAY	3	
			IN	79.69	12	UNK	6	
			SHELF	75.69	0	NONE	NONE	
5433	CB	86.18	OUT	81.38	12	HDPE	3	
			IN	82.13	12	PVC	7	
			SUMP	78.58	0	NONE	NONE	
5447	CB	85.16	IN	82.61	12	PVC	1	
			OUT	82.56	12	HDPE	8	
			SUMP	81.81	0	NONE	NONE	ON DIRT
5477	DMH	86.35	OUT	UNK	12	UNK	10	NOT VISIBLE BLOCKED OFF
			IN	86.35	15	UNK	6	BLOCKED OFF
			IN	80.40	12	PVC	12	
			OUT	80.40	12	PVC	3	
			SUMP	88.35	0	NONE	NONE	ON DIRT
5603	CB	88.35	OUT	84.05	12	HDPE	3	
			IN	84.25	12	PVC	9	
			SUMP	81.20	0	NONE	NONE	

STRUCTURE TABLE

Point #	TYPE	Rim Elevation	Invert In/Out	Pipe Elevation	Pipe Size	Pipe Direction Type	(N=12)	Comments
			SUMP	88.11	0	NONE	NONE	
5606	CB	88.36	OUT	83.56	12	HDPE	3	
			IN	83.86	12	PVC	9	
			SUMP	80.56	0	NONE	NONE	ON DIRT
5636	CB	89.60	OUT	84.45	15	CMP	3	
			IN	84.55	15	RCP	6	
			IN	85.00	12	RCP	9	
			SUMP	82.65	0	NONE	NONE	
5646	CB	87.42	OUT	85.32	12	RCP	9	FIELD INLET
			IN	85.12	4	VIT CLAY	9	
			SUMP	85.12	0	NONE	NONE	
5659	CB	92.50	OUT	88.25	12	HDPE	9	CANT SEE
			IN	88.20	8	PVC	1	UNDER WATER
			SUMP	85.35	0	NONE	NONE	DIRT
5661	SMH	93.22	OUT	83.27	12	VIT CLAY	12	
			IN	85.37	12	VIT CLAY	6	
			IN	83.37	8	VIT CLAY	9	
			SHELF	85.02	0	NONE	NONE	
5663	DMH	92.79	OUT	87.94	15	HDPE	9	
			IN	87.94	12	HDPE	6	
			IN	88.04	12	HDPE	3	
			SUMP	86.09	0	NONE	NONE	ON DIRT
5666	CB	91.14	OUT	88.44	8	PVC	7	FIELD INLET
			OUT	88.74	4	PVC	7	
			OUT	88.74	4	PVC	7	
			SUMP	86.14	0	NONE	NONE	
			UNK		12		1	BLOCKED OFF
5687	CB	88.43	OUT	83.48	18	PVC	1	
			IN	83.53	15	PVC	9	
			SUMP	81.33	0	NONE	NONE	ON DIRT
5701	SMH	89.13	OUT	82.08	8	VIT CLAY	11	
			IN	82.08	8	VIT CLAY	6	
			IN	82.28	8	PVC	3	
			SHELF	82.88	0	NONE	NONE	
5710	CB	88.48	OUT	82.08	18	HDPE	1	UNDER WATER
			IN	83.28	12	PVC	10	
			IN	82.38	12	RCP	7	
			SUMP	80.18	0	NONE	NONE	WATER LEVEL 6.2
5807	SMH	94.25	OUT	86.80	8	PVC	9	
			IN	86.95	8	PVC	5	
			SHELF	87.55	0	NONE	NONE	
5922	CB	97.27	IN	92.72	12	HDPE	12	
			OUT	92.67	12	HDPE	6	
			IN	93.72	6	PVC	4	
			SUMP	89.77	0	NONE	NONE	
6020	CB	93.66	IN	90.01	12	HDPE	12	UNDER WATER
			IN	90.06	8	PVC	8	
			OUT	89.99	12	PVC	3	
			WATER	90.16	0	NONE	NONE	
			SUMP	88.76	0	NONE	NONE	
6204	CB	92.61	IN	88.21	12	HOLE	9	HOLE PIPE NOT VIS
			OUT	88.01	12	UNK	5	HOLE PIPE NOT VIS
			IN	88.91	6	PVC	4	
			SUMP	86.61	0	NONE	NONE	ON DIRT
6392	CBR	93.66	IN	86.06	8	CLAY	2	
			IN	86.06	8	CLAY	3	
			OUT	85.96	8	CLAY	7	
			SUMP	85.86				ON DIRT
6476	CBR	93.18	OUT	89.18	8	VIT CLAY	9	
			SUMP	85.68	0	NONE	NONE	ON DIRT
6508	CBR	92.81	OUT	88.26	6	UNK	12	PIPE NOT VISIBLE
			SUMP	88.11	0	NONE	NONE	ON HARD DIRT
6657	CB	90.52	OUT	85.42	12	RCP	6	
			IN	85.72	8	STEEL	9	
			IN	85.63	8	CLAY	1	
			SUMP	83.42	0	NONE	NONE	ON DIRT
6676	CB	90.13	OUT	85.25	12	UNK	5	
			IN	87.83	6	HDPE	7	
			IN	85.38	12	RCP	12	
			SUMP	82.48	0	NONE	NONE	ON DIRT
6800	CBR	85.46	OUT	81.41	6	STEEL	3	
			SUMP	80.96	0	NONE	NONE	ON DIRT
6848	CB	84.93	OUT	78.88	15	RCP	2	
			IN	78.78	15	RCP	8	
			IN	78.98	8	RCP	9	
			SUMP	76.43	0	NONE	NONE	ON DIRT
6871	CBR	85.70	CENTER	80.00	12	RCP	NONE	ENDS NOT EXPOSED
			NONE	85.70	0	NONE	NONE	
6912	CB	84.43	IN	81.23	12	PVC	6	
			OUT	81.18	15	RCP	1	
			IN			UNK	11	PIPE NOT VISIBLE
			SUMP	79.28	0	NONE	NONE	ON DIRT
10135	CB	79.94	IN	77.14	6	VIT CLAY	5	
			IN	78.74	4	PVC	1	
			SUMP	75.64	0	NONE	NONE	ON DIRT
10143	CB	80.15	OUT	77.00	6	VIT CLAY	2	
			IN	78.15	4	HDPE	5	
			IN	78.85	4	PVC	7	
			IN	78.80	4	HDPE	3	
			SUMP	81.11	0	NONE	NONE	ON DIRT
10199	CB	81.11	IN	78.01	4	PVC?	10	
			OUT	78.01	4	UNK	4	
			SUMP	77.91	0	NONE	NONE	ON DIRT
10405	CB	80.64	OUT	77.14	18	RCP	3	
			IN	77.19	18	RCP	7	
			IN	77.19	6?	UNK	5	RECESSED SIZE APPROXIMATE
			SUMP	76.64	0	NONE	NONE	ON DIRT
10467	SMH	85.45	SHELF	80.80	0	NONE	NONE	CONTROL STRUCTURE?
			NONE	85.45	0	NONE	NONE	
12012	SMH	84.40	OUT	80.30	8	PVC	9	
			IN	80.40	UNK	UNK	3	APPROX INV PIPE NOT VISIBLE
			SHELF	81.00	0	NONE	NONE	
12387	CB	97.58	OUT	93.68	10	CLAY	1	
			SUMP	92.63	0	NONE	NONE	
12392	CB	87.28	OUT	83.43	12	CLAY	1	
			IN	84.18	6	PVC	7	
			SUMP	82.98	0	NONE	NONE	
13003	CB	85.08	OUT	77.98	10	CLAY	10	
			IN	80.83	8	UNK	7	
			SUMP	77.38	0	NONE	0	
13005	SMH	86.93	OUT	80.86	8	PVC	10	
			IN	80.90	8	PVC	6	
			SHELF	81.58	0	NONE	0	
13043	CB	82.90	OUT				1	CAN'T PULL COVER
			IN				4	PIPES NOT VISIBLE
13056	SMH	89.01	OUT	78.94	12	UNK	10	
			IN	78.98	12	UNK	4	
			SHELF	79.41	0	NONE	0	
13058	SMH	88.01						PIPE NOT VISIBLE, SLUDGE
								AT 79.0, CLOSED PIPE
								POSSIBLE UNDER SLUDGE
13077	SMH	82.35	OUT	77.27	12	UNK	10	
			IN	77.31	12	UNK	4	
			SHELF	77.99	0	NONE	0	
13079*	CB	81.31	OUT	71.83	18	RCP	9	13079 INFORMATION IS ALL
			IN	71.89	18	RCP	10	BY NOBIS ENGINEERING AND
			IN	77.98	4	PVC	1	NOT VERIFIED BY S.T.I.

PLAN REFERENCES

A. SUBDIVISION OF LAND FOR THE DOVER SCHOOL DISTRICT BY WILLIAM J. DOUCET DATED MARCH 3, 1998 AND RECORDED IN PLAN BOOK 51, PAGE 58 & 59

B. PLAN OF PROPERTY LOCATED UN DOVER HEW HAMPSHIRE TO BE CONVEYED TO TEXTILE REALTY CO BY AMERICAN WOOLEN CO BY JOHN FRANKLIN CE DATED APRIL 1932 AND RECORED IN POCKET 7, FOLDER 2, NUMBER 2

C. PROPOSED SUBDIVISION OF LAND OF RAYMOND & NATALIE BERNIER BY RICHARD P. TOWLE DATED APRIL 1981 AND RECORDED IN PLAN BOOK 11A, PAGE 57

D. SUBDIVISION OF LAND OF WAYNE & DIERDRE ESTES BY RICHARD P. TOWLE DATED OCTOBER 1985 AND RECORDED IN PLAN BOOK 27A PAGE 47.

E. PROPERTY LINE ADJUSTMENTS FOR LAND OF WAYNE & DIERDRE ESTES BY RICHARD P. TOWLE DATED OCTOBER 1986 AND RECORDED IN PLAN BOOK 30, PAGE 141.

F. SUBDIVISION OF LAND OF PAUL & KAREN O'BRIEN BY BARRETT ASSOCIATES DATED JUNE 20, 1987 AND RECORDED IN PLAN BOOK 31A, PAGE 114.

G. PLAN OF LOT LINE ADJUSTMENT BETWEEN LAND OF WAYNE & DIERDRE ESTES AND PAUL & PENNY SEAVER BY RICHARD P. TOWLE DATED NOVEMBER 9, 1990 AND RECORDED IN PLAN BOOK 32A, PAGE 25.

H. LOT LINE ADJUSTMENTS FOR LOTS 6, 6.3, 6.4, TAX MAP H, DURHAM & DOVER ROAD BY BRUCE L. POHOPEK DATED DECEMBER 9, 1994 AND RECORDED IN PLAN BOOK 41A, PAGE 58.

I. MINOR SUBDIVISION OF LAND FOR THERESA GAGNE BY MCENEANEY SURVEY ASSOCIATES INC DATED JULY 5, 1995 AND RECORDED IN PLAN BOOK 46, PAGE 65.

J. SUBDIVISION OF LAND FOR LOIS ANN KEENAN & MARIE BILYJ BY MCENEANEY SURVEY ASSOCIATES INC DATED DECEMBER 28, 1999 AND RECORDED IN PLAN BOOK 58, PAGE 20.

K. LOT LINE ADJUSTMENT PLAN FOR KENWOOD CORPORATION BY MCENEANEY SURVEY ASSOCIATES INC DATED JULY 19, 200 AND RECORDED IN PLAN BOOK 59, PAGE 41.

L. STANDARD BOUNDARY SURVEY AND SUBDIVISION PLAN OF LAND LOT 44K, TAX ASSESSOR'S MAP "H" BY CIVILWORKS DATED OCTOBER 8, 2002 AND RECORDED IN PLAN BOOK 67, PAGE 83.

M. LOT LINE ADJUSTMENT PLAN FOR THE ELEANOR I KEATING REV. TRUST KATHLEEN A HALL TRUSTEE BY MCENEANEY SURVEY ASSOCIATES INC DATED SEPTEMBER 1, 2006 AND RECORDED IN PLAN BOOK 88, PAGE 43.

N. LOT LINE ADJUSTMENT PLAN FOR PAUL & PENNY SEAVER BY JASON B. POHOPEK DATED FEBUARY 1, 2007 AND RECORDED IN PLAN BOOK 90, PAGE 68.

O. LOT LINE ADJUSTMENT PLAN FOR MAUREEN & ARTHUR MITCHELL AND CITY OF DOVER BY MCENEANEY SURVEY ASSOCIATES INC DATED JULY 2007 AND RECORDED IN PLAN BOOK 91, PAGE 61.

P. PLAN OF LOTS FOR LEON & RUTH CHAPMAN BY ROBERT W MCCRONE DATED JULY 17, 1972 AND RECORDED IN POCKET 1, FOLDER 1, NUMBER 31.

Q. PLAN OF LAND ERNEST I & LOIS B ESTES BY K.E. MOORE & B.G. STAPLES DATED OCTOBER 1972 AND RECORDED IN POCKET 2, FOLDER19, NUMBER 60.

R. PLAN OF LANF OWNED BY KEITH TOOR BY H.G. HERSEY LAST DATED NOVEMBER 1949 AND RECORDED IN POCKET 7, FOLDER 2, NUMBER 3.

S. FINAL PLAN BELLAMY DEVELOPMENT BY G.L. DAVIS & ASSOCIATES DATED MAY 1967 AND RECORDED IN POCKET 13, FOLDER 1, NUMBER 8.

T. PLAN OF LAND OF KEITH H TORR BACK LOT LAYOUT LOTS 38 & 39 BY BERRY CONST. CO., INC DATED JANUARY 7, 1967 AND RECORDED IN DEED BOOK 823, PAGE 220.

U. PROPERTY ACQUIRED BY STATE OF NEW HAMPSHIRE FROM SALVATORE BONANNO PROJECT NUMBER C-3556 DATED MAY 28, 1984 AND RECORDED IN PLAN BOOK 17E, PAGE 68.

V. SUBDIVISION PLAN ESTES ESTATES FOR WAYNE & DIERDRE ESTES BY CIVIL CONSULTANTS DATED APRIL 29, 1989 AND RECORDED IN PLAN BOOK 37, PAGE 88.

W. MINOR LOT LINE ADJUSTMENT LAND OF LAURENCE L. HARTDORN REVOCABLE TRUST OF 1991 BY BERRY SURVEYING & ENGINEERING DATED SEPTEMBER 29, 2006 AND RECORDED IN PLAN BOOK 90, PAGE 97.

X. MINOR SUBDIVISION OF LAND FOR RICHARD KNOX & KATHLEEN KNOX BY MCENEANEY SURVEY ASSOCIATES INC DATED AUGUST 8, 2008 AND RECORDED IN PLAN BOOK 95, PAGE 62.

Y. PLAN OF LAND IN DOVER, NEW HAMPSHIRE, AREA FOR PROPOSED LOCATION OF NEW HIGH SCHOOL, FOR THE DOVER SCHOOL DEPT. BY JOHN W. DURGIN, DATED MAY 1965 REVISED THROUGH JUNE OF 1965.

Z. MISC BUILDING PLANS PROVIDED BY THE SCHOOL DEPARTMENT.

LEGEND

EXISTING

- PROPERTY LINE/R.O.W.
- ABUTTER LINE/R.O.W.
- EASEMENT
- FLOODPLAIN
- CENTERLINE
- MONUMENT
- IRON PIPE/ROD
- BENCHMARK (BENCHMARK DESCRIPTION WITH ELEVATION)
- BUILDING
- DECK/STEPS/ OVERHANG
- ED

LEGEND

EXISTING	PROPOSED	
		SUBJECT PROPERTY LINE
		OTHER PROPERTY LINE
		SETBACKS
		EASEMENT
		STONE WALL
		RETAINING WALL
		EDGE OF WETLAND
		STREAM / RIVER
		TREE LINE
		CHAIN LINK FENCE
		STOCKADE FENCE
		GUARD RAIL :STEEL:
		GUARD RAIL :WOOD:
		CENTERLINE
		EDGE OF GRAVEL
		EDGE OF PAVEMENT
SGC	SGC	SLOPED GRANITE CURB
VGC	VGC	VERTICAL GRANITE CURB
VCC	VCC	VERTICAL CONCRETE CURB
BCC	BCC	BITUMINOUS CONCRETE CURB
CC	CC	CONCRETE CURB
CCB	CCB	CAPE COD BERM
TD	TD	TIP DOWN
100	100	MAJOR CONTOUR
98	98	MINOR CONTOUR
D	D	DRAIN LINE
USD	USD	UNDER SLAB DRAINAGE
UD	UD	UNDER DRAIN
FD	FD	FOUNDATION DRAIN
>	>	SWALE FLOW DIRECTION
X	X	SILT FENCE / WADDLE
OHW	OHW	OVERHEAD UTILITY WIRE
UGE	UGE	UNDERGROUND ELECTRIC
T	T	UNDERGROUND TELECOM
S	S	SANITARY SEWER LINE
SS	SS	SANITARY SEWER SERVICE
FM	FM	SANITARY SEWER FORCE MAIN
W	W	WATER LINE
WS	WS	WATER SERVICE
G	G	GAS LINE
ST	ST	STEAM LINE
FO	FO	FIBER OPTIC LINE
		ONING BOUNDARY LINE
		FLOOD ONE LINE

EXISTING	PROPOSED	
		DRAIN MANHOLE
		CATCH BASIN
		UTILITY POLE
		PAD MOUNTED TRANSFORMER
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEAN-OUT
		HYDRANT
		WATER VALVE
		WATER SHUT OFF
		WATER SUPPLY WELL
		GAS SHUT OFF
		GAS METER
× 100.0	× 100.0	SPOT GRADE
× 100.0 100.5	× 100.0 100.5	CURB SPOT GRADE
		SIGN POST
		LIGHT POLE
		TREE
		CONCRETE
		GRAVEL
		RIP RAP
		WETLAND
		WETLAND IMPACT
		FLOW DIRECTION
		STONE CHECK DAM
		INLET PROTECTION
	2%	SLOPE & DIRECTION
TP		TEST PIT LOCATION
B		BORING LOCATION
MW		MONITORING WELL LOCATION
PC		PERC. TEST LOCATION
1	1	PHOTO LOCATION / DIRECTION
		MANHOLE
		TELECOM MANHOLE
		ELECTRIC MANHOLE
		STEEP SLOPE

GENERAL NOTES:

1. THESE DRAWINGS SHOULD BE REVIEWED IN CONJUNCTION WITH THE ACCOMPANYING DESIGN REPORT TITLED "STORMWATER MANAGEMENT REPORT FOR □□□□□, □□□□□ ROAD, □□□□□, NH" DATED □□□□□ XX, XXXX PREPARED BY NOBIS ENGINEERING, INC.
2. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "□□□□□", DATED □□□□□ XX, XXXX, BY □□□□□.
3. THESE DRAWINGS AND ACCOMPANYING TEXT HAVE BEEN PREPARED FOR □□□□□ FOR REVIEW BY THE CITY / TOWN OF □□□□□ PLANNING BOARD, CODE ENFORCEMENT, GENERAL SERVICES, POLICE, AND FIRE DEPARTMENTS.
4. THE CONTRACTOR SHALL OBTAIN COVERAGE UNDER EPA NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FOR CONSTRUCTION ACTIVITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND IMPLEMENTING AN ENVIRONMENTAL PROTECTION AGENCY (EPA) STORM WATER POLLUTION PREVENTION PLAN PRIOR TO THE START OF CONSTRUCTION AND DURING CONSTRUCTION ON-SITE IN ACCORDANCE WITH THE EPA REGULATIONS UNDER THE CLEAN WATER ACT.

CONSTRUCTION SE□UENCE:

1. CONSTRUCT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY EARTH MOVING OPERATIONS. INSPECT EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND WITHIN 2□HOURS OF ANY SIGNIFICANT RAINFALL EVENT (1/2" OF RAIN OR MORE□). PERFORM ANY NEEDED MAINTENANCE AND STABILI□ATION AS NEEDED.
2. DISTURBANCES OF AREAS SHALL BE MINIMI□ED. NO DISTURBED AREA SHALL BE LEFT UNSTABILI□ED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON. AREAS WHICH WILL NOT BE PERMANENTLY SEEDED WITHIN TWO WEEKS OF DISTURBANCE SHALL BE TEMPORARILY SEEDED AND MULCHED. ALL AREAS SHALL BE STABILI□ED WITH SEED MULCH AND TACKIFIER WITHIN □2 HOURS OF ACHIEVING FINISHED GRADE AND PRIOR TO THE END OF THE GROWING SEASON.
3. PERFORM DEMOLITION OF EXISTING SITE FEATURES AS SHOWN ON DEMOLITION PLAN.
4. PERFORM CLEARING AND GRUBBING TO LIMITS SHOWN ON DEMOLITION PLAN.
5. EXCAVATE AND GRADE, THEN INSTALL LOAM, SEED, AND EROSION CONTROL MATTING TO STABILI□E DETENTION POND AND TREATMENT SWALES.
6. REMOVE AND TEMPORARILY STOCKPILE LOAM AND TOPSOIL FOR REUSE, IF NEEDED, ON SITE. SEED AND/OR MULCH STOCKPILES AND ENCIRCLE WITH SILT FENCE.
7. CONDUCT ALL UNDERGROUND UTILITY STRUCTURE AND PIPING INSTALLATION, BACKFILL, AND COMPACTING.
8. CONSTRUCT BUILDING FOUNDATION.
9. PLACE AND COMPACT NEW GRAVEL COURSES IN THE PARKING, LOADING, SIDEWALK, AND GRAVEL ACCESS DRIVE AREAS.
10. PLACE, GRADE, AND STABILI□E DISTURBED AREAS WITH TEMPORARY SEEDING AND MULCHING.
11. BEGIN CONSTRUCTION OF BUILDING AND REMAINING SITE WORK.
12. PLACE PAVEMENT COURSES, SIDEWALKS, AND CURBING.
13. ALL CUT AND FILL SLOPES SHALL BE STABILI□ED, LOAMED, SEEDED, AND MULCHED.
14. □OMPLETE PERMANENT SEEDING AND LANDSCAPING IN ACCORDANCE WITH THE LANDSCAPE DESIGN AND DETAILS.
15. SWEEP COMPLETED PAVEMENT AND CLEAN OUT CATCH BASINS AND DRAINAGE PIPES DURING CONSTRUCTION CLOSE-OUT PROCEDURES. PROPERLY DISPOSE OF COLLECTED SEDIMENT AND DEBRIS.
16. REMOVE TEMPORARY EROSION CONTROL MEASURES AND PROPERLY DISPOSE OF FOLLOWING CONSTRUCTION AND ONCE FULL GROUND COVER HAS BEEN ESTABLISHED.

EROSION CONTROL NOTES:

CATCH BASINS: CARE SHOULD BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT ENTER CATCH BASINS DURING EXCAVATION FOR PIPE TRENCHES, DITCHES AND SWALES. THE CONTRACTOR SHOULD PLACE NON-WOVEN GEOTEXTILE FABRIC FOR INLET PROTECTION OVER INLETS IN AREAS OF SOIL DISTURBANCE, WHICH ARE SUBJECT TO SEDIMENT CONTAMINATION.

PLACE INLET PROTECTION DEVICES, IN CATCH BASINS AND MAINTAIN UNTIL ALL CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SURROUNDING AREAS ARE WELL VEGETATED.

ALL SWALES SHALL BE STABILI□ED PRIOR TO DIRECTING RUNOFF INTO THEM.

SCHEDULE OF WORK
THIS WORK IS ANTICIPATED TO BEGIN IN THE SUMMER/FALL 2016 WITH A FINAL COMPLETION DATE IN FALL 2018. WINTER EARTH DISTURBANCE IS EXPECTED FOR THIS PROJECT.

ADE□UATE MEASURES SHOULD BE TAKEN TO MINIMI□E AIR BORNE DUST PARTICLES ARISING FROM SOIL DISTURBANCE AND CONSTRUCTION.

□DISTURBANCE OF AREAS SHOULD BE MINIMI□ED AND NOT EXCEED 100,000 S□UARE FEET IN AREA AT ANY ONE TIME.
□NO DISTURBED AREA SHOULD BE LEFT UNSTABILI□ED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON.
□PERMANENT EROSION CONTROL FEATURES SHOULD BE INCORPORATED INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME, AS SPECIFIED ON THE CONTRACT PLANS.
□WITHIN 1□DAYS OF COMPLETING WORK IN AN AREA, AND PRIOR TO ANTICIPATED RAIN EVENTS, APPLY HAY/STRAW MULCH AND TACKIFIER ON ALL DISTURBED SOIL AREAS. APPLICATION RATES OF 2 TONS OF STRAW OR HAY PER ACRE SHOULD BE USED TO PREVENT EROSION UNTIL VEGETATIVE COVER CAN BE ESTABLISHED. ALTERNATIVELY, APPLY WOOD CHIPS OR GROUND BARK MULCH 2 TO 6 INCHES DEEP AT A RATE OF 10 TO 20 TONS PER ACRE.
□WHEN EROSION IS LIKELY TO BE A PROBLEM, GRUBBING OPERATION SHOULD BE SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATION AND PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER.
□AS WORK PROGRESSES, PATCH SEEDING AND MULCHING SHOULD BE DONE AS RE□UIRED ON AREAS PREVIOUSLY TREATED TO MAINTAIN OR ESTABLISH PROTECTIVE COVER.
□REMOVE ACCUMULATED SEDIMENTS AND DEBRIS WHEN SEDIMENT CONTAINMENT DEVICES REACH 33□ CAPACITY.

EROSION CONTROL IMPLEMENTATION SCHEDULE
THE FOLLOWING GENERAL SCHEDULE IDENTIFIES THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT MEASURES THAT ARE TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION:

□ PERFORM LIMITED GRUBBING, STRIPPING AND SITE GRADING ONLY AS NEEDED TO COMPLETE IMMEDIATE WORK GOALS.
□ BLOCK STORM WATER FLOW AS NECESSARY TO INSTALL ALL STORM WATER STRUCTURES IN THE DRY.
□ INSTALL PERMANENT STORM DRAIN SYSTEM.
□ INSTALL TEMPORARY SOIL STABILI□ATION MEASURE INCLUDING SEED, MULCH, FERTILI□ER, MATTING, ETC.
□ REDIRECT FLOWS INTO FINISHED STRUCTURES PRIOR TO FILL OPERATIONS.
□ PLACE HUMUS AND CONDUCT PERMANENT SEEDING AND MULCHING OF ALL DISTURBED GROUND.

TEMPORARY STABILI□ATION:
EROSION CONTROL MEASURES SHALL BE IMPLEMENTED, AS WRITTEN HEREIN AND AS DEPICTED ON THE ACCOMPANYING PLAN, FROM THE COMMENCEMENT OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILI□ATION IS COMPLETE:

TEMPORARY GRADING: TEMPORARY GRADING DURING CONSTRUCTION SHOULD BE PERFORMED IN SUCH A MANNER TO FACILITATE MAXIMUM INFILTRATION OF STORMWATER AND MINIMI□E OR ELIMINATE STORMWATER RUNOFF FROM THE SITE.

MULCH: MULCHING WITH LOOSE HAY OR STRAW, AT A RATE OF 2 TONS PER ACRE, SHALL BE DONE IMMEDIATELY AFTER EACH AREA HAS BEEN FINAL GRADED. WHEN SEED FOR EROSION CONTROL IS SOWN PRIOR TO PLACING THE MULCH, THE MULCH SHOULD BE PLACED ON THE SEEDED AREAS WITHIN □8 HOURS AFTER SEEDING.

TACKIFIER: PLACEMENT OF SOIL TACKIFIER HAS PROVEN TO BE AN EFFECTIVE METHOD OF PREVENTING SOIL AND ADHERING MULCH IN PLACE. THE PLACEMENT OF A SOIL TACKIFIER SHOULD BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND SHOULD BE REAPPLIED AS NECESSARY TO CONTROL AIR BORN DUST AND SOIL, AND MULCH LOSS UNTIL PERMANENT VEGETATION IS ESTABLISHED.

ROAD CLEANING: THE CONTRACTOR SHALL SWEEP ROADS DAILY, OR AS NEEDED TO MAINTAIN CLEAN PAVED SURFACES AT ALL CONSTRUCTION ACCESS/EGRESS POINTS.

DUST CONTRO□: THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED TO PREVENT AIRBORNE DUST PARTICLES FROM LEAVING THE SITE. DUST CONTROL MEASURES SHALL CONSIST OF USE OF A WATER TRUCK E□UIPPED WITH A SPRAY-BAR THAT DISSIPATES THE WATER EVENLY OVER THE SURFACE.

PERMANENT STABILI□ATION: GRASS, TREES, SHRUBS AND MULCHED PLANTING BEDS WILL BE CONSTRUCTED AND MAINTAINED IN LOCATIONS AS SHOWN ON THE DRAWINGS TO STABILI□E AREAS NOT WITHIN THE PARKING LOT/BUILDING FOOTPRINT. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL FOR ONE YEAR AFTER COMPLETION.

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
1. BASE COARSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED□;
2. A MINIMUM OF 85□% VEGETATED GROWTH HAS BEEN ESTABLISHED□;
3. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED□; □, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

ALL ROADWAYS/PARKING AREAS SHALL BE STABILI□ED WITHIN □2 HOURS OF ACHIEVING FINISHED GRADE.

EXCAVATION DEWATERING:
SHOULD EXCAVATION DEWATERING BE RE□UIRED, THE CONTRACTOR MUST INSURE THAT ANY EXCAVATION DEWATERING DISCHARGES ARE NOT CONTAMINATED. NOTE: THE WATER IS CONSIDERED UNCONTAMINATED IF THERE IS NO GROUNDWATER CONTAMINATION WITHIN 1,000 FEET OF THE DISCHARGE.

THE CONTRACTOR MUST TREAT ANY UNCONTAMINATED EXCAVATION DEWATERING AS NECESSARY TO REMOVE SUSPENDED SOLIDS AND TURBIDITY DURING CONSTRUCTION. THE DISCHARGES MUST BE SAMPLED AT A LOCATION PRIOR TO MIXING WITH STORM WATER OR STREAM FLOW AT LEAST ONCE PER WEEK DURING WEEKS WHEN DISCHARGES OCCUR. THE SAMPLES MUST BE ANALY□ED FOR TOTAL SUSPENDED SOLIDS (TSS) AND MUST MEET MONTHLY AVERAGE AND MAXIMUM DAILY TSS LIMITATIONS OF 50 MILLIGRAMS PER LITER (MG/L□) RESPECTIVELY.

STORMWATER POLLUTION PREVENTION PLAN:
THE PROJECT IS SUBJECT TO THE RE□UIREMENTS OF THE USEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES□CONSTRUCTION PERMIT, WHICH INCLUDES A WRITTEN STORM WATER POLLUTION PREVENTION (SWPPP□PLAN FOR CONSTRUCTION. THE SWPPP PLAN SHALL OUTLINE DETAILED SPECIFICATIONS FOR IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR COMPLIANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN, SHALL BE RESPONSIBLE FOR AMENDING THE SWPPP ACCORDINGLY, AND SHALL BE RESPONSIBLE FOR ANY PENALTIES RESULTING FROM LACK OF COMPLIANCE.

SPECIFICATIONS FOR TEMPORARY AND PERMANENT SEEDING:

GRASS SEED MIXES SHALL CONSIST OF THE MIXTURES AS DETAILED IN THE FOLLOWING TABLES, WITH 98□% PURITY:

EROSION CONTROL SEED MIX		
SEED	□ BY □ MASS	□ GERMINATION (MIN.)□
WINTER RYE (80 MIN.)□	80 (MIN.)□	85
RED FESCUE (CREEPING □)	□ MIN.□	80
PERENNIAL RYE GRASS	3 (MIN.)□	90
RED CLOVER	3 (MIN.)□	90
OTHER CROP GRASS	0.5 (MAX.)□	
NOXIOUS WEED SEED	0.5 (MAX.)□	
INERT MATTER	1.0 (MAX.)□	

PERMENANT SEED MIX		
SEED	□ BY □ MASS	□ GERMINATION (MIN.)□
RED FESCUE (CREEPING)□	50	85
KENTUCKY BLUE	25	85
PERENNIAL RYE GRASS	10	90
RED TOP	10	85
LANDINO CLOVER	5	85

WINTER CONSTRUCTION NOTES:

ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85□% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILI□ED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO □ TONS OF MULCH PER ACRE ELSEWHERE. MULCH REMAINING IN THE SPRING SHALL BE REMOVED AND REPLACED AT RATE OF 2 TONS PER ACRE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND TACKIFIER SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FRO□EN GROUND.

ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85□% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILI□ED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 30□3 OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

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03/15/2016
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Dover HS / CTC
Dover, NH
GENERAL NOTES AND LEGEND

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SCALE:

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
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PLAN REFERENCES:

1. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER", DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.

EXCAVATE AND REMOVE EXISTING SEWER PIPE TO SMH1836 TO BE COORDINATED WITH INSTALLATION OF PROPOSED SEWER PIPE

EXCAVATE AND REPLACE EXISTING MANHOLE EXISTING SEWER PIPE ENTERING FROM SOUTH TO BE PRESERVE AND RE-CONNECTED TO NEW MANHOLE. BOLDED SEWER PIPE EXITING TO NORTH OF MANHOLE TO BE REMOVED AND REPLACED AS SPECIFIED ON UTILITY PLAN (SHEET C-4)

DEMO EXISTING SHOT PUT STATION

EXISTING WATER SERVICE TO SHED TO REMAIN ON-LINE

CUT AND CAP EXISTING SEWER AND WATER SERVICES WHERE SHOWN

DISASSEMBLE "DOVER" SIGN AND SCOREBOARD AND STORE FOR LATER USE

18" RCP DRAINAGE PIPE ENTERING CB1310 IS TO BE PRESERVED IF ENCOUNTERED (EXACT LOCATION OF PIPE UNKNOWN)

DEMOLISH EXISTING DRAINAGE PIPE AND PRESERVE CB.

CLEAR AND GRUB EXISTING VEGETATION TO LIMITS SHOWN

AFTER NEW SEWER FORCE MAIN HAS BEEN INSTALLED, CUT AND CAP EXISTING FORCE MAIN AS SHOWN AND CONNECT NEW FORCE MAIN.

DEMOLISH BATTING CAGES, RETURN NETS TO DOVER ATHLETIC DEPT. FOR LATER USE (TYP. OF 2)

DISASSEMBLE CHAIN LINK FENCING AS HIGHLIGHTED AND SET ASIDE FOR LATER USE (TYP.)

DEMOLISH EXISTING TENNIS COURTS AND PAVEMENT. RETURN NETS TO DOVER ATHLETIC DEPT. FOR LATER USE

DISASSEMBLE SCOREBOARD AND STORE FOR LATER USE

ONCE WATER HAS BEEN DISCONNECTED REMOVE EXISTING WATER STRUCTURES. COORDINATE W/ FACILITY DIRECTOR STORAGE/RE-USE (TYP.)

EXCAVATE AND REMOVE EXISTING DRAINAGE PIPING AND STRUCTURES SHOWN AS BOLDED. REMOVE ANY ASSOCIATED UNDER DRAINS FOUND DURING EXCAVATION (TYP.)

ONCE TEMPORARY SEWER PIPE HAS BEEN INSTALLED, CUT AND CAP EXISTING SEWER AND CONNECT SCHOOL SEWER TO TEMPORARY PIPING.

CUT AND CAP EXISTING WATER LINE AFTER INTERSECTION, DISCONNECTING LOOP CONNECTION TO BELLAMY ROAD.

DEMO EXISTING BUILDING

SAW CUT EXISTING PAVEMENT AND REMOVE WHERE INDICATED BY HATCHING (TYP.)

PRESERVE EXISTING DRAINAGE PIPE IF ENCOUNTERED DURING SEWER DEMOLITION (TYP.)

DEMO EXISTING SIDEWALK AND CURB WHERE PROPOSED CTC PARKING AREA AND ACCESS ROAD ARE TO CONNECT TO ALUMNI DRIVE

REMOVE BLEACHERS AND SET ASIDE FOR LATER USE (TYP. OF 2)

DEMOLISH DUG-OUTS (TYP. OF 2)

LEAVE 10' WIDE STRIP OF PAVEMENT INTACT FOR EGRESS FROM GYM

SAW CUT EXISTING PAVEMENT AND REMOVE WHERE INDICATED BY HATCHING (TYP.)

BELLAMY ROAD

ALUMNI DRIVE

DURHAM ROAD

0 50' 100'
GRAPHIC SCALE

REVISIONS NO.	DATE	REMARKS	BY

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03/15/2016
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PLAN NORTH
TRUE NORTH

Dover HS / CTC
Dover, NH
DEMOLITION PLAN - PHASE 1

SCALE: 1" = 50' | DRAWN BY: EC | CHECKED BY: ERL

DRAWING NUMBER
C-1.1

JOB NUMBER 89120.01

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PLAN REFERENCES:

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DEMO EXISTING STORM PIPES AND ASSOCIATED STRUCTURES SHOWN AS BOLDED ONCE EXISTING BUILDINGS AND PARKING LOTS ARE OFF-LINE (TYP.)

SAW CUT EXISTING WALKWAY AND PAVEMENT WHERE ALUMNI DRIVE CONNECTS TO BELLAMY ROAD

ONCE EXISTING BUILDING IS OFF-LINE DEMO EXISTING WATER PIPE AND ASSOCIATED STRUCTURES SHOWN AS BOLDED (TYP.)

ONCE EXISTING BUILDING IS OFF LINE TEMPORARY SEWER CAN BE DEMOLISHED/ABANDONED (TYP.)

REMOVE EXISTING CB, CUT AND PRESERVE EXISTING 24" RCP PIPE TO EAST OF CB. SEE GRADING PLAN FOR DETAILS ON NEW CB INSTALLATION.

DEMO EXISTING BUILDINGS SHOWN AS BOLDED ONCE THEY HAVE BEEN REPLACED ELSEWHERE ON SITE (TYP.)

ONCE EXISTING BUILDING IS OFF-LINE DEMO EXISTING SEWER PIPE AND ASSOCIATED STRUCTURES SHOWN AS BOLDED (TYP.)

ONCE EXISTING BUILDING IS OFF-LINE REMOVE TEMPORARY SEWER PIPES AND STRUCTURES (TYP.)

ONCE EXISTING BUILDING IS OFF-LINE DEMO REMAINDER OF EXISTING PAVEMENT AROUND BUILDING AS INDICATED BY HATCHING (TYP.)

ONCE EXISTING BUILDING IS OFF-LINE AND PROPOSED GAS LINE IS INSTALLED, COORDINATE WITH NATURAL GAS COMPANY TO DISCONNECT EXISTING GAS MAIN WHERE SHOWN AND REMOVE EXISTING GAS LINE AND ASSOCIATED STRUCTURES SHOWN AS BOLDED (TYP.)

SAW CUT PAVEMENT (TYP.)

PORTIONS OF EXISTING SIDEWALK WHERE PROPOSED PARKING LOT CONNECTS TO ALUMNI DRIVE WILL NEED TO BE DEMOLISHED FOR PHASE 3 OF CONSTRUCTION (TYP. OF 2)

GRIND PAVEMENT ON ACCESS ROAD FROM ALUMNI DRIVE TO LIMIT OF WORK

DISASSEMBLE CHAIN LINK FENCING AS HIGHLIGHTED AND SET ASIDE FOR LATER USE (TYP.)

CUT AND CAP EXISTING WATER MAIN PRESERVING WATER SERVICE TO ACCESSORY BUILDING AND REMOVE EXISTING PIPE SHOWN AS BOLDED

DEMOLISH EXISTING HIGH SCHOOL

SAWCUT AND REMOVE EXISITNG PAVEMENT IN PARKING LOT, PRESERVE SUBGRADE FOR PROPOSED PARKING LOT/TENNIS COURT CONSTRUCTION

PRESERVE EXISTING CATCH BASINS AND DRAIN PIPING THAT ARE NOT SHOWN AS BOLDED (TYP.)

ONCE ALL CONSTRUCTION OF PROPOSED BUILDINGS AND PARKING HAVE BEEN COMPLETED DEMO EXISTING SIDEWALKS ALONG ALUMNI DRIVE (TYP.)

ONCE ALL CONSTRUCTION OF PROPOSED BUILDINGS AND PARKING HAVE BEEN COMPLETED GRIND AND OVERLAY PAVEMENT ON ALUMNI DRIVE (TYP.)

0 50' 100'
GRAPHIC SCALE

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PLAN NORTH
GRID NORTH

Dover HS / CTC
Dover, NH
DEMOLITION PLAN - PHASE 2

SCALE: 1" = 50' | DRAWN BY: EC | CHECKED BY: ERL

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PLAN REFERENCES:

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NOTES:

1. THE INTENT OF THIS SITE PLAN IS FOR CONSTRUCTION OF A NEW DOVER HIGH SCHOOL AND CAREER TECHNICAL CENTER.
2. CURRENT OWNER:
   DOVER SCHOOL DISTRICT, SAU #11
   McCONNEL CENTER- 61 LOCUST ST.
   DOVER, NH 03820- 132
3. THE PROJECT PARCEL S IS SHOWN AS LOT NO. 11-1,12 & 1 ;, MAP H OF THE CITY OF DOVER TAX ASSESSOR'S MAPS.
4. THE PROJECT PARCEL S CONTAIN 89 ACRES.
5. FOR TITLE REFERENCES FOR THE PROJECT PARCEL REFER TO NOTE #11 GENERAL NOTES SUMMARY ON BOUNDARY SURVEY NOTES PLAN.
6. PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES ON PLANS TITLED "BOUNDARY SURVEY", DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.
7. REFER TO "BOUNDARY SURVEY", DATED FEBRUARY 23, 2015 FOR DETAILS ON WETLANDS DELINEATION.
8. AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON A REPRODUCIBLE MYLAR MEDIUM AND IN A DIGITAL DXF FORMAT ON DISK TO THE CITY OF DOVER ENGINEER'S OFFICE UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E.
9. EXTERIOR LIGHTING SHALL BE CUT-OFF TYPE FIXTURES PER CHAPTER 1 :9-1 -E AND SHALL PROVIDE LIGHTING DIRECTED ON-SITE ONLY.
10. TOPOGRAPHIC SURVEY PERFORMED BY SEBAGO TECHNICS, INC. IN DECEMBER 2015 AND JANUARY 2016
11. ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
12. THE PROPOSED STRUCTURE SHALL BE SERVED BY A SPRINKLER SYSTEM AS RE #UIRED UNDER CHAPTER 109-30 OF THE CODE OF THE CITY OF DOVER AND THE 2009 STATE BUILDING CODES.
13. SPRINKLER CONNECTIONS MUST BE FLUSHED IN ACCORDANCE WITH NFPA 2 ; AND A CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM MUST BE COMPLETED.
14. FIRE DEPARTMENT CONNECTIONS SHALL BE LOCATED ON THE STREET SIDE OF THE BUILDING PER NFPA 13.
15. A SECURITY SYSTEM SHALL BE INSTALLED AS RE #UIRED BY CHAPTER 58, ARTICLE I, SECTION 58-2 OF THE CODE OF THE CITY OF DOVER.
16. ALL ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.
17. THE SUBJECT PARCELS ARE SERVED BY MUNICIPAL WATER AND SEWER.
18. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO APPLICABLE CITY AND STATE CODES.
19. BACKFLOW PREVENTORS SHALL BE PROVIDED FOR BOTH FILE AND DOMESTIC WATER LINES.
20. THE LIMITS OF CONSTRUCTION DISTURBANCE THAT ARE LOCATED IN OR WITHIN THE 50 FT. OF CONSERVATION AND WETLAND DISTRICTS SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR TO THE COMMENCEMENT OF SITE WORK.
21. ALL TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.
22. A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR AND THE CITY ENGINEER SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.
23. THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:
    NHDES ALTERATION OF TERRAIN: TO BE SUBMITTED
    NHDES SEWER CONNECTION PERMIT: TO BE SUBMITTED

#ONING ANALYSIS

TAX MAP/BLOCK/LOT:	MAP 112, LOT 1
PROPERTY OWNER:	DOVER SCHOOL DISTRICT, SAU #11 McCONNEL CENTER - 61 LOCUST ST. DOVER, NH 03820- 132
ADDRESS:	215 LAKE STREET :NH ROUTE 3A:: BRISTOL, NEW HAMPSHIRE
#ONING DISTRICT:	R-20 LOW DENSITY RESIDENTIAL
MINIMUM LOT AREA 20,000 SF	PROVIDED #:86 ACRES
MINIMUM LOT FRONTAGE 125'	PROVIDED 189' ALUMNI DRIVE:: 828' BELLAMY ROAD::
MAXIMUM LOT COVERAGE 35 ;,15 ;:ACRES	PROVIDED TBD ; ; TBD SF BUILDING ONLY TBD ; ; TBD SF ALL IMPERVIOUS AREAS
BUILDING SETBACKS FRONT YARD SIDE YARD REAR YARD	RE #:D 20' MIN - 35' MAX 20' 30'
BUILDING HEIGHT MAXIMUM	RE #:D PROVIDED 35' 28'

PARKING SUMMARY TABLE

LOT	EXISTING	PROPOSED
HIGH SCHOOL ON-SITE::	38 SPACES	38 SPACES
ALTERNATIVE SCHOOL	3 SPACES	3 SPACES
BELLAMY LOT	99 SPACES	99 SPACES
DURHAM ROAD LOT	61 SPACES	61 SPACES
TOTAL	6 1 SPACES	6 1T SPACES

ADA SPACES	RE #:D	PROVIDED
HIGH SCHOOL ON-SITE::	9	9

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Dover HS / CTC
Dover, NH
OVERVIEW PLAN

SCALE: 1" = 0' DRAWN BY: EC CHECKED BY: ERL

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REFER TO HALVORSON DESIGN DRAWINGS FOR SIDEWALK AND PLAZA DESIGN DETAILS

NEW DUGOUT (TYP. OF 4) (DESIGNED BY OTHERS)

ACCESSIBLE VAN PARKING BOLLARD SIGNS R7-8 & R7-8A

ACCESSIBLE PARKING BOLLARD SIGNS R7-8 (TYP. OF 5)

"ONE WAY" SIGN R6-1- (L)

60'x26' DOUBLE BATTING CAGE (DESIGNED BY OTHERS)

RECLAIM PAVEMENT ALONG ACCESS ROAD FROM LIMIT OF WORK TO ALUMNI DRIVE AND INSTALL 4" NEW PAVEMENT

MAP H, LOT 8-B
N/F
PAUL O'BRIEN FAMILY IRREVOCABLE TRUST OF 2014
4244/611
PLAN 31/114

INSTALL NEW 4" PAVEMENT SECTION AND SUB-GRADE IN PARENT DROP OFF/PARKING LANE

GRIND AND APPLY 1 1/2" PAVEMENT OVERLAY TO ALUMNI DRIVE

"COMPACT CAR PARKING" SIGN (TYP. OF 8)

4" NEW PAVEMENT ON DRIVEWAY LOOP

3" NEW PAVEMENT IN PROPOSED PARKING AREAS

SEE SHEET C-9.5 FOR DETAILS ON ATHLETIC FIELD DESIGN

50' WETLAND BUFFER

WETLAND BOUNDARY

STOP SIGN (R-1)

ALUMNI DRIVE

MAP H, LOT 7
N/F
JAMES KEATING & KATHLEEN HALL
3564/925

MAP H, LOT 7-A
N/F
JAMES KEATING
3564/928

5' GATE

STOP SIGN (TYP.)

INSTALL ACCESSIBLE CONCRETE RAMPS AT EACH DRIVEWAY OR ROAD CROSSING (SIDEWALK AND CURB RAMP DETAILS TO BE PROVIDED BY HALVORSON DESIGN)

INSTALL NEW VERTICAL GRANITE CURB (VGC) AND CONCRETE SIDEWALK ALONG ALUMNI DRIVE

STOP SIGN
SAW CUT PAVEMENT

20' BUILDING SETBACK

INSTALL TENNIS COURTS ON EXISTING PARKING SUB-GRADE, MAKING ADJUSTMENTS AS NEEDED TO MEET PROPOSED GRADES (SEE GRADING AND DRAINAGE PLAN)

REFER TO SHEET C-10 FOR DETAILS ON TENNIS COURTS AND CHAIN LINK FENCE

10' MAINTENANCE GATE

INSTALL 5' WIDE BITUMINOUS SIDEWALK

CONCRETE RAMP

ACCESSIBLE PARKING BOLLARD SIGN (R7-8 & R7-8A)

REMOVE EXISTING PAVEMENT AND INSTALL 3" NEW" PAVEMENT IN PARKING AREA. ADJUST SUB-GRADE AS NEEDED TO MEET PROPOSED GRADES

DURHAM ROAD

SAW CUT PAVEMENT ALONG DURHAM ROAD AT LIMIT OF WORK

DOUBLE YELLOW THERMOPLASTIC PAINT LINE

SINGLE WHITE THERMOPLASTIC PAINT LINE

WHITE THERMOPLASTIC PAINT ARROWS

PRESERVE EXISTING STOP SIGN

18" THERMOPLASTIC PAINT STOP BAR

MAP H, LOT 6-4
N/F

MAP H, LOT 6
N/F

GRAPHIC SCALE 0 30' 60'

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PLAN NORTH
GRID NORTH

Dover HS / CTC
Dover, NH
PROPOSED SITE PLAN

SCALE: 1" = 30' DRAWN BY: EC CHECKED BY: ERL

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REFER TO HALVORSON DESIGN DRAWINGS FOR SIDEWALK AND PLAZA DESIGN DETAILS

NEW DUGOUT (TYP. OF 4) (DESIGNED BY OTHERS)

ACCESSIBLE VAN PARKING BOLLARD SIGNS R7-8 & R7-8A

ACCESSIBLE PARKING BOLLARD SIGNS R7-8 (TYP. OF 5)

"ONE WAY" SIGN R6-1- (L)

"ONE WAY" SIGN R6-1- (L)

60'x26' DOUBLE BATTING CAGE (DESIGNED BY OTHERS)

4" NEW PAVEMENT ON DRIVEWAY LOOP

3" NEW PAVEMENT IN PROPOSED PARKING AREAS

SEE SHEET C-9.5 FOR DETAILS ON ATHLETIC FIELD DESIGN

RECLAIM PAVEMENT ALONG ACCESS ROAD FROM LIMIT OF WORK TO ALUMNI DRIVE AND INSTALL 4" NEW PAVEMENT

MAP H, LOT 8-B
N/F
PAUL O'BRIEN FAMILY IRREVOCABLE TRUST OF 2014
4244/611
PLAN 31/114

INSTALL NEW 4" PAVEMENT SECTION AND SUB-GRADE IN PARENT DROP OFF/PARKING LANE

GRIND AND APPLY 1 1/2" PAVEMENT OVERLAY TO ALUMNI DRIVE

"COMPACT CAR PARKING" SIGN (TYP. OF 8)

50' WETLAND BUFFER

WETLAND BOUNDARY

STOP SIGN (R-1)

ALUMNI DRIVE

5' GATE

MAP H, LOT 7
N/F
JAMES KEATING & KATHLEEN HALL
3564/925

MAP H, LOT 7-A
N/F
JAMES KEATING
3564/928

STOP SIGN (TYP.)

INSTALL ACCESSIBLE CONCRETE RAMPS AT EACH DRIVEWAY OR ROAD CROSSING (SIDEWALK AND CURB RAMP DETAILS TO BE PROVIDED BY HALVORSON DESIGN)

INSTALL NEW VERTICAL GRANITE CURB (VGC) AND CONCRETE SIDEWALK ALONG ALUMNI DRIVE

20' BUILDING SETBACK

STOP SIGN

SAW CUT PAVEMENT

INSTALL TENNIS COURTS ON EXISTING PARKING SUB-GRADE, MAKING ADJUSTMENTS AS NEEDED TO MEET PROPOSED GRADES (SEE GRADING AND DRAINAGE PLAN)

REFER TO SHEET C-10 FOR DETAILS ON TENNIS COURTS AND CHAIN LINK FENCE

10' MAINTENANCE GATE

INSTALL 5' WIDE BITUMINOUS SIDEWALK

CONCRETE RAMP

ACCESSIBLE PARKING BOLLARD SIGN (R7-8 & R7-8A)

REMOVE EXISTING PAVEMENT AND INSTALL 3" NEW PAVEMENT IN PARKING AREA, ADJUST SUB-GRADE AS NEEDED TO MEET PROPOSED GRADES

DURHAM ROAD

SAW CUT PAVEMENT ALONG DURHAM ROAD AT LIMIT OF WORK

DOUBLE YELLOW THERMOPLASTIC PAINT LINE

SINGLE WHITE THERMOPLASTIC PAINT LINE

WHITE THERMOPLASTIC PAINT ARROWS

PRESERVE EXISTING STOP SIGN

18" THERMOPLASTIC PAINT STOP BAR

MAP H, LOT 6-4
N/F

MAP H, LOT 6
N/F

0 30' 60'
GRAPHIC SCALE

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PLAN NORTH
GRID NORTH

Dover HS / CTC
Dover, NH
ALTERNATE SITE PLAN

SCALE: 1" = 30' DRAWN BY: EIC CHECKED BY: ERL

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POLE VAULT PIT

LIGHT TOWER IN FENCE

BLEACHERS

PRESS

INSTALL 4" PAVEMENT ON ACCESS ROAD (REFER TO DETAILS)

5' BITUMINOUS SIDEWALK

PRESERVE EXISTING TRACK AND FENCE DURING CONSTRUCTION

PROPOSED TREE LINE

5' BITUMINOUS SIDEWALK

"ONE WAY" SIGN R6-1 (L)

"ONE WAY" SIGN R6-1 (L)

TIE PROPOSED WALKWAY INTO EXISTING PAVEMENT

SEGMENTAL BLOCK RETAINING WALL (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)

LIGHT TOWER IN FENCE

CONCRETE SIDEWALK (DESIGN AND DETAILS TO BE PROVIDED BY HALVORSON DESIGN

5' WIDE BITUMINOUS SIDEWALK

"FACILITIES STAFF PARKING ONLY" SIGN

INSTALL STEEL GUARD RAIL ALONG TOP OF RETAINING WALL (TO CONNECTOR ROAD)

CHAIN LINK FENCE ALONG TOP OF RETAINING WALL IN AREAS WHERE WALL HEIGHT EXCEEDS 30" (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)

SEGMENTAL BLOCK RETAINING WALL (DESIGNED BY OTHERS)

FENCED STORAGE AREA FOR CTC BUILDING MATERIALS (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)

INSTALL STEEL GUARD RAIL ALONG TOP AND BOTTOM OF RETAINING WALL (REFER TO DETAIL)

CONCRETE RETAINING WALL TO SEPARATE SLOPED LOADING AREA FROM ACCESS DRIVE (DESIGNED BY OTHERS)

INSTALL SEGMENTAL BLOCK RETAINING WALL (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)

2 TRASH COMPACTORS ON 25'x36' CONCRETE PAD

2-SIDED DUMPSTER ENCLOSURE (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)

INSTALL METAL STAIR FOR EGRESS FROM LOADING DOCK (SEE SHEET C-X FOR DETAIL)

CONCRETE LOADING DOCK

F.F.E. = 84'

F.F.E. = 84'

FOR COURTYARD DESIGN AND DETAILS REFER TO HALVORSON DESIGN PLANS

24' GATE

2 CONNEX STORAGE CONTAINERS FOR BUILDING MATERIALS

PROPOSED HIGH SCHOOL & CAREER TECHNICAL CENTER

SAW CUT, RECLAIM, AND INSTALL 4" NEW PAVEMENT FROM LIMIT OF WORK TO ALUMNI DRIVE

STOP SIGN (R-1)

WETLAND BOUNDARY

"DO NOT ENTER" SIGN (R5-1)

F.F.E. = 98'

F.F.E. = 98'

INSTALL 5' WIDE BITUMINOUS SIDEWALK

4" PAVEMENT

3" PAVEMENT

STOP SIGN (R-1)

50' WETLAND BUFFER

INSTALL 8" CONCRETE FILLED BOLLARDS ON EITHER SIDE OF GARAGE DOORS ACCESSED BY VEHICLES (SEE DETAILS) (TYP. OF 6)

INSTALL 3" PAVEMENT

CHAIN LINK FENCED STORAGE AREA FOR CTC AUTOMOTIVE VEHICLES

"ONE WAY" SIGN

"STOP" SIGN (R-1)

0 30' 60'

GRAPHIC SCALE

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DUMPSTER PAD
PIT
POLE VAULT PIT
BLEACHERS
BRICK TICKET BOOTH
RAISED SPEED TABLE XWALK
BULL PEN
FENCE
BLEACHERS
BULL PEN
FENCE
BLEACHERS
LIGHT TOWER IN FENCE
PRESS
LIGHT TOWER IN FENCE
BELLAMY ROAD
20 FOOT WIDE FRONT SETBACK
20' BUILDING SETBACK
100' ANIMAL HOUSING SETBACK
20'
100'
PRESERVE EXISTING FENCE AND BASEBALL FIELD
8' BLACK VINYL COATED CHAIN LINK LIVESTOCK FENCE WITH NETTING CANOPY (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)
INSTALL 4' BLACK VINYL CHAIN LINK FENCE ALONG TOP OF RETAINING WALL WHERE WALL EXCEEDS 30" IN HEIGHT
SEGMENTAL BLOCK RETAINING WALL (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)
FENCED HORSE TURNOUT (REFER TO ARCH. PLANS FOR DETAILS)
ADD PROTECTIVE NET (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)
COVERED RIDING PADDOCK (63' DIA.)
PROPOSED ANIMAL SCIENCES BUILDING
F.F.E. = 93'
5' WIDE CONCRETE SIDEWALK (DETAILS TO BE PROVIDED BY HALVORSON DESIGN)
TIE PROPOSED SIDEWALK INTO EXISTING SIDEWALK ALONG BELLAMY ROAD
MOVE EXISTING STOP SIGN TO NEW LOCATION SHOWN
18" THERMOPLASTIC PAINT STOP BAR
DOUBLE YELLOW THERMOPLASTIC PAINT LINE
SAW CUT PAVEMENT AT LIMIT OF WORK ALONG BELLAMY ROAD
6' BALCK VINYL COATED CHAIN LINK FENCE FOR DOG KENNEL
"10 MINUTE PARKING FOR ANIMAL SCIENCES ONLY" SIGN (TYP. OF 2)
WHITE STRIPED 2-CAR DROP-OFF AREA FOR ANIMAL SCIENCES AND DOG GROOMING
10' WIDE GRAVEL PATH FOR TRACTOR AND LIVESTOCK
42'x18' CANOPY FOR TRACTOR PARKING, HAY STORAGE, AND MANURE DUMPSTER (REFER TO ARCH. PLANS FOR DETAILS)
STOP SIGN (R-1)
GRIND EXISTING PAVEMENT ON ALUMNI DRIVE AND OVERLAY WITH NEW 4" PAVEMENT
"DO NOT ENTER SIGN"
WHITE THERMOPLASTIC PAINT ARROW
MAP H, LOT 4-P
N/F
JOSHUA BROWN
4190/62
R212'
R192'
R529'
R549'
R326'
R345'
R172'
R92'
R173'
R144'
R453'
R433'
R68'
R35'
R15'
R368'
R378'
R350'
24'
10'
6'
3'
TOP
TOE
XWALK

0 30' 60'
GRAPHIC SCALE

REVISIONS NO.	DATE	REMARKS	BY

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DESIGN DEVELOPMENT
03/15/2016
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PLAN NORTH
GRID NORTH

Dover HS / CTC
Dover, NH
PROPOSED SITE PLAN

SCALE: 1" = 30' DRAWN BY: EC CHECKED BY: EPL

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Dover HS / CTC

Dover, NH

GRADING AND DRAINAGE PLAN

SCALE: 1" = 0' DRAWN BY: EC CHECKED BY: ERL

CAD DRAWING FILE: 89120.01-C-300-GRD.dwg

03/15/2016

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REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER: C-3

JOB NUMBER: 89120.01

PLAN REFERENCES:

1. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON LAND TITLE SURVEY FOR "DOVER HIGH SCHOOL & FUTURE CAREER TECHNICAL CENTER," DATED FEBRUARY 12, 2016, PREPARED BY TOM HANS ENGINEERING, INC. & GERRISH TECHNICS, INC.

SHEET C-3.1

SHEET C-3.2

SHEET C-11

SHEET C-3.3

SHEET C-11

SHEET C-3.3

DALEY DRIVE

DURHAM ROAD (ROUTE 108)

DURHAM ROAD

ALUMNI DRIVE

BELLAMY ROAD

50' SHORELAND SETBACK

MEAN HIGH WATER LINE

150' SHORELAND SETBACK

250' SHORELAND SETBACK

EDGE OF DELINEATED WETLAND

100' WETLAND BUFFER

PROPOSED ANIMAL RESCUE LEAGUE FACILITY

DAM

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PLAN REFERENCES:

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DRAINAGE SCHEDULE

CB1
RIM = 96.0
INV. OUT = 91.0
L = 2.5 LF 12" HDPE TO CB3
S = 0.0098 FT/FT

CB2
RIM = 93.9
INV. OUT = 88.9
L = 26 LF 12" HDPE TO CB3
S = 0.0115 FT/FT

CB3
RIM = 93.5
INV. IN = 88.6 SW
INV. IN = 88.6 NE
INV. OUT = 88.35
L = 12 LF 15" HDPE TO CB6
S = 0.0051 FT/FT

CB
RIM = 91.5
INV. OUT = 8
L = 6 LF 12" HDPE TO CB5
S = 0.016 FT/FT

CB5
RIM = 91.6
INV. IN = 86.9 SW
INV. OUT = 86.65
L = 116 LF 15" HDPE TO CB6
S = 0.0056 FT/FT

CB6
RIM =
INV. IN = 8 NW
INV. IN = 86.0 SW
INV. OUT = 83. 5
REFER TO INFILTRATION GALLERY DETAILS

CB
RIM = 89.1
INV. OUT = 85.6
L = 6 LF 12" HDPE TO CB8
S = 0.016 FT/FT

CB8
RIM = 89.1
INV. IN = 85.5 SW
INV. OUT = 85.25
L = 118 LF 15" HDPE TO CB10
S = 0.0055 FT/FT

CB9
RIM = 90.6
INV. OUT = 85.6
L = 3 LF 12" HDPE TO CB10
S = 0.0059 FT/FT

CB10
RIM = 90.0
INV. IN = 8 6 SE
INV. IN = 85. NW
INV. OUT = 8 35
L = 25 LF 18" HDPE TO DMH11
S = 0.0060 FT/FT

DMH11
RIM = 90
INV. IN = 8 2 SE
INV. OUT = 83. 5
REFER TO INFILTRATION GALLERY DETAILS

DMH12
RIM = 91.8
INV. OUT = 85.5
L = 60 LF 2 " HDPE TO DMH1
S = 0.0050 FT/FT

FI13
RIM = 85.5
INV. OUT = 82.0
L = 188 LF 12" HDPE TDMH1
S = 0.0053 FT/FT

DMH1
RIM = 92.5
INV. IN = 85.2 SW
INV. IN = 81.0 SE
INV. OUT = 80.0
L = 2 6 LF 2 " HDPE TO CB16
S = 0.0239 FT/FT

CB15
RIM = 9
INV. OUT = 5.9
L = 209 LF 12" HDPE TO CB16
S = 0.00 FT/FT

CB16
RIM = 8.0
INV. IN = 3 12" ROOF DRAIN
INV. IN = 3 NW
INV. IN = 3 SW
INV. OUT = 3.3 EXISTING 2 " RCP

DMH1
RIM = 96.2
INV. IN = 92.5 12" ROOF DRAIN
INV. OUT = 88.
REFER TO DETENTION GALLERY DETAILS

DMH18
RIM = 95.0
INV. OUT = 88.
L = 92 LF 12" HDPE TO EX. CB620 /6
S = 0.006 FT/FT

EX. CB620 /6
EX. RIM = 92.6 RAISE RIM TO 93.5
INV. IN = 88.1 NW
EX. INV. IN = 88.2 SW
EX. INV. OUT = 88.0

CB19
RIM = 89.5
INV. OUT = 8 .5
L = 166 LF 12" HDPE TO CB20
S = 0.005 FT/FT

CB20
RIM = 88.9
INV. IN = 83.6 NW
INV. OUT = 83.35
L = 30 LF 15" HDPE TO CB23
S = 0.0 .6 FT/FT

FI21
RIM = 85.5
INV. OUT = 83.
L = 9 LF 12" HDPE TO CB22
S = 0.0058 FT/FT

CB22
RIM = 88.5
INV. IN = 82.85 NE
INV. OUT = 82.6
L = 112 LF 15" HDPE TO CB23
S = 0.0058 FT/FT

CB23
RIM = 88.2
INV. IN = 81.95 NE
INV. IN = 81.95 NW
INV. OUT = 81.
L = 298 LF 18" HDPE TO EX. CB31 2
S = 0.0098 FT/FT

EX. CB31 2
EX. RIM = 83.0
EX. INV. IN = 8.2 SW
EX. INV. IN = 8.2 W
INV. IN = 8. NW
EX. INV. OUT = 8.2

OS2
RIM = 85.0
INV. IN = 81.66 6" UNDERDRAIN
EX. INV. IN = 9 SW
EX. INV. OUT = 9 2

EX. CB3186
EX. RIM = 81.8
EX. INV. IN = 8 9 SE
INV. OUT = 8.
L = 92 LF 15" HDPE TO DMH25
S = 0.0015 FT/FT

DMH25
RIM = 83.5
INV. IN = 8.6 SE
INV. OUT = 8.5
L = 9 LF 15" HDPE TO EX. CB130 3
S = 0.0111 FT/FT

EX. CB130 3
EX. RIM = 82.9 LOWER RIM TO 82.5
INV. IN = 9.16 6" UNDERDRAIN
INV. IN = 8 SW
EX. INV. OUT = 8

STORMTECH MC3500 CHAMBER GALLERY
84 UNITS (12 ROWS X 7 UNITS)

STORMTECH MC3500 CHAMBER GALLERY
40 UNITS (5 ROWS X 8 UNITS)

90 LF ROOF DRAIN
0.005 FT/FT MIN

BIORETENTION 1
REFER TO DETAILS

BIORETENTION 2
REFER TO DETAILS

RAISE RIM FROM 85.7 TO 86.5
REPLACE GRATE WITH SOLID TOP

ALUMNI DRIVE

DURHAM ROAD

INV IN 10" PIPE
ELEV 81.35

MAP H, LOT 6-4
N/F

MAP H, LOT 6
N/F

HORIZONTAL SCALE IN FEET
0 30' 60'

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PLAN NORTH
GRID NORTH

Dover HS / CTC
Dover, NH
GRADING AND DRAINAGE PLAN

DRAWN BY: EC CHECKED BY: ERL
SCALE: 1" = 30'

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-3.1

JOB NUMBER 89120.01

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PLAN REFERENCES:

1. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER", DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.

DRAINAGE SCHEDULE

CB1
RIM = 96.0
INV. OUT = 91.0
L = 2.5 LF 12" HDPE TO CB3
S = 0.0098 FT/FT

CB2
RIM = 93.9
INV. OUT = 88.9
L = 261 LF 12" HDPE TO CB3
S = 0.0115 FT/FT

CB3
RIM = 93.5
INV. IN = 88.6 SW
INV. IN = 88.6 NE
INV. OUT = 88.35
L = 12 LF 15" HDPE TO CB6
S = 0.0051 FT/FT

CB
RIM = 91.5
INV. OUT = 8
L = 6 LF 12" HDPE TO CB5
S = 0.016 FT/FT

CB5
RIM = 91.6
INV. IN = 86.9 SW
INV. OUT = 86.65
L = 116 LF 15" HDPE TO CB6
S = 0.0056 FT/FT

CB6
RIM =
INV. IN = 8 NW
INV. IN = 86.0 SW
INV. OUT = 83. 5
REFER TO INFILTRATION GALLERY DETAILS

CB
RIM = 89.1
INV. OUT = 85.6
L = 6 LF 12" HDPE TO CB8
S = 0.016 FT/FT

CB8
RIM = 89.1
INV. IN = 85.5 SW
INV. OUT = 85.25
L = 118 LF 15" HDPE TO CB10
S = 0.0055 FT/FT

CB9
RIM = 90.6
INV. OUT = 85.6
L = 3 LF 12" HDPE TO CB10
S = 0.0059 FT/FT

CB10
RIM = 90.0
INV. IN = 8 6 SE
INV. IN = 85. NW
INV. OUT = 8 35
L = 25 LF 18" HDPE TO DMH11
S = 0.0060 FT/FT

DMH11
RIM = 90
INV. IN = 8 2 SE
INV. OUT = 83. 5
REFER TO INFILTRATION GALLERY DETAILS

DMH12
RIM = 91.8
INV. OUT = 85.5
L = 60 LF 2 " HDPE TO DMH1
S = 0.0050 FT/FT

FI13
RIM = 85.5
INV. OUT = 82.0
L = 188 LF 12" HDPE TDMH1
S = 0.0053 FT/FT

DMH1
RIM = 92.5
INV. IN = 85.2 SW
INV. IN = 81.0 SE
INV. OUT = 80.0
L = 2 6 LF 2 " HDPE TO CB16
S = 0.0239 FT/FT

CB15
RIM = 9
INV. OUT = 5.9
L = 209 LF 12" HDPE TO CB16
S = 0.00 FT/FT

CB16
RIM = 8.0
INV. IN = 3 12" ROOF DRAIN
INV. IN = 3 NW
INV. IN = 3 SW
INV. OUT = 3.3 EXISTING 2 " RCP

DMH1
RIM = 96.2
INV. IN = 92.5 12" ROOF DRAIN
INV. OUT = 88.
REFER TO DETENTION GALLERY DETAILS

DMH18
RIM = 95.0
INV. OUT = 88.
L = 92 LF 12" HDPE TO EX. CB620 /6
S = 0.006 FT/FT

EX. CB620 /6
EX. RIM = 92.6 RAISE RIM TO 93.5
INV. IN = 88.1 NW
EX. INV. IN = 88.2 SW
EX. INV. OUT = 88.0

CB19
RIM = 89.5
INV. OUT = 8 .5
L = 166 LF 12" HDPE TO CB20
S = 0.005 FT/FT

CB20
RIM = 88.9
INV. IN = 83.6 NW
INV. OUT = 83.35
L = 30 LF 15" HDPE TO CB23
S = 0.0 .6 FT/FT

FI21
RIM = 85.5
INV. OUT = 83.
L = 9 LF 12" HDPE TO CB22
S = 0.0058 FT/FT

CB22
RIM = 88.5
INV. IN = 82.85 NE
INV. OUT = 82.6
L = 112 LF 15" HDPE TO CB23
S = 0.0058 FT/FT

CB23
RIM = 88.2
INV. IN = 81.95 NE
INV. IN = 81.95 NW
INV. OUT = 81.
L = 298 LF 18" HDPE TO EX. CB31 2
S = 0.0098 FT/FT

EX. CB31 2
EX. RIM = 83.0
EX. INV. IN = 8.2 SW
EX. INV. IN = 8.2 W
INV. IN = 8. NW
EX. INV. OUT = 8.2

OS2
RIM = 85.0
INV. IN = 81.66 6" UNDERDRAIN
EX. INV. IN = 9. SW
EX. INV. OUT = 9. 2

EX. CB3186
EX. RIM = 81.8
EX. INV. IN = 8. 9 SE
INV. OUT = 8.
L = 92 LF 15" HDPE TO DMH25
S = 0.0015 FT/FT

DMH25
RIM = 83.5
INV. IN = 8.6 SE
INV. OUT = 8.5
L = 9 LF 15" HDPE TO EX. CB130 3
S = 0.0111 FT/FT

EX. CB130 3
EX. RIM = 82.9 LOWER RIM TO 82.5
INV. IN = 9.16 6" UNDERDRAIN
INV. IN = 8. SW
EX. INV. OUT = 8.

90 LF ROOF DRAIN
0.005 FT/FT MIN

STORMTECH MC3500 CHAMBER GALLERY
84 UNITS (12 ROWS X 7 UNITS)

STORMTECH MC3500 CHAMBER GALLERY
40 UNITS (5 ROWS X 8 UNITS)

BIORETENTION 2
REFER TO DETAILS

ALUMNI DRIVE

DURHAM ROAD

MAP H, LOT 6-4

MAP H, LOT 6

HORIZONTAL SCALE IN FEET
0 30' 60'

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-3.1A

JOB NUMBER 89120.01

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PLAN NORTH
TRUE NORTH

Dover HS / CTC
Dover, NH
ALTERNATE GRADING AND DRAINAGE PLAN
SCALE: 1" = 30'
DRAWN BY: EC
CHECKED BY: ERL

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PLAN REFERENCES:

1. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER", DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.

DRAINAGE SCHEDULE

CB26
RIM = 96.□
INV. OUT = 91.□
L = 108 LF 12" HDPE □TO CB2□□
S = 0.00□ FT/FT

CB2□
RIM = 95.9
INV. IN = 90.6 □S□
INV. OUT = 90.35
L = 62 LF 15" HDPE □TO CB29□
S = 0.0056 FT/FT

CB28
RIM = 96.2
INV. OUT = 91.2
L = 10□LF 12" HDPE □TO CB29□
S = 0.0058 FT/FT

CB29
RIM = 95.6
INV. IN = 90.0 □E□
INV. IN = 90.6 □N□
INV. OUT = 89.9
L = □0 LF 15" HDPE □TO DMH30□
S = 0.0150 FT/FT

DMH30
RIM = 9□.5
INV. IN = 89.3 □SE□
INV. OUT = 89.2
L = 120 LF 15" HDPE □TO CB31□
S = 0.081□FT/FT

CB31
RIM = 8□.0
INV. IN = 81.8 □SW□
INV. OUT = 81□
L = 160 LF 15" HDPE □TO CB33□
S = 0.0291 FT/FT

FI32
RIM = 82.5
INV. OUT = □8.5
L = 39 LF 12" HDPE □TO CB33□
S = 0.0051 FT/FT

CB33
RIM = 82.3
INV. IN = □□.05 □SW□
INV. IN = □8.3 □SE□
INV. OUT = □6.8
L = 1□2 LF 18" HDPE □TO CB35□
S = 0.0058 FT/FT

FI3□
RIM = 82.5
INV. OUT = □□.5
L = 68 LF 12" HDPE □TO CB35□
S = 0.0059 FT/FT

CB35
RIM = 83.6
INV. IN = □□.1 □SW□
INV. IN = □5.8 □NW□
INV. OUT = □5.□
L = 60 LF 18" HDPE □TO DMH3□□
S = 0.0050 FT/FT

FI36
RIM = 83.9
INV. IN = □□.6 □NW□
INV. OUT = □6.3
L = 1□□LF 15" HDPE □TO DMH3□□
S = 0.0052 FT/FT

DMH3□
RIM = 82.0
INV. IN = □5.55 □SE□
INV. IN = □5.□□SW□
INV. OUT = □5.3
L = 116 LF 18" HDPE □TO EX. CB1310□
S = 0.0611 FT/FT

EX. CB1310
RIM = 80.3 □RAISE RIM TO 83.0
EX. INV. IN = 6□.81 □NW□
INV. IN = 68.21 □SW□
EX. INV. OUT = 6□.□1

DMH38
RIM = 83.□
INV. IN = □9.□□12" ROOF DRAIN□
INV. OUT = □6.25
□REFER TO DETENTION GALLERY DETAILS

DMH39
RIM = 83.1
INV. OUT = □6.25
L = 162 LF 10" HDPE □TO EX. OUTLET□
S = 0.00□□FT/FT

FI A
RIM = 9□.0
INV. OUT = XX
L = 2□LF 8" HDPE □TO FI B□
S = 0.0050 FT/FT

FI B
RIM = 9□.5
INV. IN = XX
INV. OUT = XX
L = □□LF 8" HDPE □TO FI E□
S = 0.0050 FT/FT

FI C
RIM = 9□.3
INV. OUT = XX
L = 32 LF 8" HDPE □TO FI D□
S = 0.0050 FT/FT

FI D
RIM = 9□.8
INV. IN = XX
INV. OUT = XX
L = 2 LF 8" HDPE □TO FI E□
S = 0.0050 FT/FT

FI E
RIM = 95.5
INV. IN = XX
INV. IN = XX
INV. OUT = XX
L = 33 LF 18" HDPE □TO FI F□
S = 0.0050 FT/FT

FI F
RIM = 93.5
INV. IN = XX
INV. OUT = 81□
L = 9□LF 10" HDPE □TO SWALE□
S = 0.0050 FT/FT

FI G
RIM = 83.5
INV. OUT = XX
L = 2□LF 8" HDPE □TO FI H□
S = 0.0050 FT/FT

FI H
RIM = 83.5
INV. IN = XX
INV. OUT = XX
L = □2 LF 8" HDPE □TO FI I□
S = 0.0050 FT/FT

FI I
RIM = 86.5
INV. IN = XX
INV. OUT = XX
L = 13 LF 15" HDPE □TO FI K□
S = 0.0050 FT/FT

FI J
RIM = 83.9
INV. IN = 80.1
L = 2□LF 8" HDPE □TO FI K□
S = 0.00□□FT/FT

FI K
RIM = 83.9
INV. IN = □9.9 □8"□
INV. IN = □6.8 □15"□
INV. OUT = □6.□
L = □□LF 15" HDPE □TO FI36□
S = 0.0063 FT/FT

4" PERFORATED PVC PIPE (INV.=78')
INSTALL VERTICAL ELBOW AND TRANSITION TO 4" SOLID PVC PIPE, INSTALL SECOND ELBOW TO 4" SOLID PVC OUTLET PIPE
L=60'
INV. IN=75'
INV. OUT=73'

4" PERFORATED PVC PIPE (INV.=80.4')
INSTALL VERTICAL ELBOW AND TRANSITION TO 4" SOLID PVC PIPE, INSTALL SECOND ELBOW TO 4" SOLID PVC OUTLET PIPE
L=60'
INV. IN=77'
INV. OUT=75'

STORMTECH MC3500 CHAMBER GALLERY
52 UNITS (4 ROWS X 13 UNITS)

15 LF ROOF DRAIN
0.005 FT/FT MIN

88 LF ROOF DRAIN
0.005 FT/FT MIN

90 LF ROOF DRAIN
0.005 FT/FT MIN

STORMTECH MC3500 CHAMBER GALLERY
84 UNITS (12 ROWS X 7 UNITS)

BEGIN PERIMETER DRAIN
INV. = 82' (MAX.)
SLOPE = .005 (MIN.)

UNDER SLAB PERFORATED DRAIN PIPE
(REFER TO STRUCTURAL PLANS FOR DETAILS)

PERIMETER DRAIN TO BREAK AT THIS POINT AND SLOPE AS INDICATED BY ARROWS

50' WETLAND BUFFER

LIGHT TOWER IN FENCE

POLE VAULT PIT

BLEACHERS

CATCH BASIN FOUND BY PUBLIC WORKS 2/29/16, NOT SURVEY LOCATED

COVERED RIDING PADDOCK (63' DIA.)

HORIZONTAL SCALE IN FEET
0 30' 60'

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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.01 C-300 G&D.dwg

PLAN NORTH
GRID NORTH

Dover HS / CTC
Dover, NH
GRADING AND DRAINAGE PLAN

SCALE: 1" = 30' | DRAWN BY: EC | CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-3.2

JOB NUMBER 89120.01

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PLAN REFERENCES:

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HORIZONTAL SCALE IN FEET
0 30' 60'

BY	REVISIONS NO.	DATE	REMARKS

DRAWING NUMBER C-3.3

JOB NUMBER 8912.01

Dover HS / CTC
Dover, NH

GRADING AND DRAINAGE PLAN

SCALE: 1" = 30' DRAWN BY: EC CHECKED BY: ERL

PLAN NORTH
MAGNETIC NORTH

DESIGN DEVELOPMENT
03/15/2016

CAD DRAWING FILE: 8912.01-C-300-GRD.dwg

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J:\8912.01 - Dover HS & CTC New Construction, Dover NT\CAD\dwg\8912.01-C-300-GRD.dwg 3/15/2016 1:00 PM

PLAN REFERENCES:

1. REFER TO C1 FOR NOTES.
2. "FINAL FOUNDATION ENGINEERING REPORT, DOVER HIGH SCHOOL, DOVER, NEW HAMPSHIRE", DATED NOVEMBER 2, 1015, PREPARED BY MCPHAIL ASSOCIATES, LLC PROVIDES PERIMETER DRAIN AND UNDERSLAB DRAINAGE RECOMMENDATIONS ON PAGE 9 AS FOLLOWS:

"WHERE THE LOWEST-LEVEL OF FLOOR SLABS WILL BE ELEVATION ¨8 ; THE SLABS SHOULD BE UNDERLAIN BY A MINIMUM 9-INCH THICKNESS OF 3/ ¨-INCH CRUSHED STONE OVERLYING A CONTINUOUS THICKNESS OF FILTER FABRIC, SUCH AS MIRAFI 1 ON. SINCE PORTIONS OF THE EXTERIOR FINISHED GRADES WILL BE HIGHER THAN THE PROPOSED SLAB, BOTH UNDERSLAB AND PERIMETER FOUNDATION DRAINAGE WILL BE RE ¨URED. THE PERIMETER DRAIN LINES SHOULD BE LOCATED ADJACENT TO THE EXTERIOR OF THE FOUNDATION WALLS AND CONSIST OF ¨-INCH DIAMETER PERFORATED PVC PIPES HAVING THEIR INVERTS LOCATED NO HIGHER THAN 12 INCHES BELOW THE BOTTOM OF THE FLOOR SLAB, AND PITCHED DOWN AT A MINIMUM 0.5 PERCENT SLOPE IN THE DIRECTION OF FLOW.

THE PERIMETER DRAIN PIPE SHOULD BE EMBEDDED WITHIN A MINIMUM 6-INCH THICKNESS OF 3/ ¨-INCH CRUSHED STONE WHICH IS SURROUNDED BY FILTER FABRIC AND BACKFILLED WITH FREE-DRAINING GRAVEL FILL. THE EXTERIOR WALLS SHOULD BE BACKFILLED WITH A MINIMUM TWO-FOOT WIDE "CHIMNEY" OF FREE-DRAINING COMPACTED GRAVEL FILL. THE CHIMNEY OF FREE-DRAINING GRAVEL FILL SHOULD EXTEND VERTICALLY TO WITHIN TWO FEET OF FINISHED GRADE. WHERE THE ADJACENT FINISHED EXTERIOR SURFACE TREATMENT DOES NOT CONSIST OF PAVEMENT, THE UPPER TWO FEET OF FOUNDATION WALL BACKFILL SHOULD CONSISTS OF AN IMPERVIOUS ORDINARY FILL CONTAINING A MINIMUM OF 30 PERCENT BY WEIGHT PASSING THE NUMBER 200 SIEVE. ROOF DRAINS SHOULD BE PIPED AWAY FROM THE BUILDING AREA AND FINISHED EXTERIOR GRADES SHOULD BE SEPARATE AND PITCHED AWAY FROM THE PERIMETER WALLS TO MINIMI ¨E SURFACE WATER INFILTRATION.

AS AN ALTERNATIVE TO PROVIDING THE GRAVEL "CHIMNEY" AT THE EXTERIOR WALL, A PREFABRICATED DRAINAGE BOARD, SUCH AS MIRADRAIN 6000, MAY BE PLACED AGAINST THE FOUNDATION WALL AND BACKFILLED WITH ORDINARY FILL. THE MIRADRAIN 6000 SHOULD BE TIED DIRECTLY INTO THE CRUSHED STONE ENVELOPE SURROUNDING THE PERIMETER DRAIN. SHOULD A PREFABRICATED DRAINAGE STRUCTURE BE UTILI ¨ED, THE PERIMETER WALLS MAY BE BACKFILLED WITH THE ON-SITE ORDINARY FILL.

THE UNDERSLAB DRAINAGE SYSTEM SHOULD CONSIST OF A NETWORK OF ¨-INCH PERFORATED PVC PIPES EMBEDDED WITHIN THE 9-INCH THICK LAYER OF CRUSHED 3/ ¨-INCH CRUSHED STONE. THE PVC PIPES SHOULD BE LOCATED APPROXIMATELY ¨0 FEET ON CENTER AND PITCHED AT A 0.5 PERCENT SLOPE IN THE DIRECTION OF FLOW. THE PERIMETER AND UNDERSLAB DRAINS SHOULD BE SEPARATE AND GRAVITY DRAINED TO A STORM DRAIN LINE WHIGH IS NOT SUBJECT TO SURCHARGE."

4" PERFORATED PVC PIPE (INV.=78")
INSTALL VERTICAL ELBOW AND TRANSITION TO 4" SOLID PVC PIPE. INSTALL SECOND ELBOW TO 4" SOLID PVC OUTLET PIPE
L=60'
INV. IN=75'
INV. OUT=73'

4" PERFORATED PVC PIPE (INV.=80.4")
INSTALL VERTICAL ELBOW AND TRANSITION TO 4" SOLID PVC PIPE. INSTALL SECOND ELBOW TO 4" SOLID PVC OUTLET PIPE
L=60'
INV. IN=77'
INV. OUT=75'

BEGIN PERIMETER DRAIN
INV. = 82' (MAX.)
SLOPE = .005 (MIN.)

UNDER SLAB PERFORATED DRAIN PIPE
(REFER TO STRUCTURAL PLANS FOR DETAILS)

PERIMETER DRAIN TO BREAK AT THIS POINT AND SLOPE AS INDICATED BY ARROWS

BEGIN PERIMETER DRAIN
INV. = 82' (MAX.)
SLOPE = .005 (MIN.)

LIGHT TOWER IN FENCE

CATCH BASIN FOUND BY PUBLIC WORKS 2/29/16, NOT SURVEY LOCATED

BLEACHERS

PRESS

24" RCP INV OUT 63.98'

10" CLAY INV OUT 75.92' BROKEN

24" RCP INV OUT 67.83'

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DESIGN DEVELOPMENT
03/15/2016

CAD DRAWING FILE: 89120.01-C-300-G&D.dwg

PLAN NORTH
TRUE NORTH
GRID NORTH

Dover HS / CTC
Dover, NH
SUB-DRAINAGE PLAN - BUILDING

SCALE: 1" = 30'
DRAWN BY: EC
CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-3.4

JOB NUMBER 89120.01

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PLAN REFERENCES
1. REFER TO GENERAL NOTES
2. "FINAL FOUNDATION ENGINEERING REPORT, DOVER HIGH SCHOOL, DOVER, NEW HAMPSHIRE" DATED NOVEMBER 2, 1015, PREPARED BY MCPHAIL ASSOCIATES, LLC PROVIDES PERIMETER DRAIN AND UNDERSLAB DRAINAGE RECOMMENDATIONS ON PAGE 7 AS FOLLOWS:

"WHERE THE LOWEST-LEVEL OF FLOOR SLABS WILL BE ELEVATION -8-, THE SLABS SHOULD BE UNDERLAIN BY A MINIMUM 9 INCH THICKNESS OF 3/4 INCH CRUSHED STONE OVER TYING A DRAINAGE SYSTEM. SUCH AS MIRADRAIN 6000, MAY BE PLACED AGAINST THE EXTERIOR FINISHED GRADES WILL BE HIGHER THAN THE PROPOSED SLAB, BOTH UNDERSLAB AND PERIMETER DRAINAGE SYSTEMS SHALL BE UTILIZED. THE PERIMETER DRAIN SHALL BE LOCATED ADJACENT TO THE EXTERIOR OF THE FOUNDATION WALLS AND CONSIST OF -INCH DIAMETER PERFORATED PVC PIPES HAVING THEIR INVERTS LOCATED NO HIGHER THAN 12 INCHES BELOW THE LOWEST ADJACENT FINISHED FLOOR SLAB. FOR FURTHER INFORMATION, REFER TO DETAIL 1/C-3.5 FOR FLOOR SLAB AND FOUNDATION DRAINAGE SCHEMATIC IN THE DIRECTION OF FLOW.

THE PERIMETER DRAIN PIPE SHOULD BE EMBEDDED WITHIN A MINIMUM 6-INCH THICKNESS OF 3/4 -INCH CRUSHED STONE, WHICH IS SURROUNDED BY FILTER FABRIC AND BACKFILLED WITH FREE-DRAINING GRAVEL FILL. THE EXTERIOR WALLS SHOULD BE BACKFILLED WITH A MINIMUM PROFOOT WIDE "CHIMNEY" OF FREE-DRAINING GRAVEL FILL. THE REMAINDER OF THE EXCAVATION SHOULD BE BACKFILLED WITH GRAVEL FILL SHOULD EXTEND VERTICALLY TO WITHIN TWO FEET OF FINISHED GRADE. WHERE THE ADJACENT FINISHED GRADES WILL BE HIGHER THAN THE PROPOSED SLAB, THE UPPER TWO FEET OF THE BACKFILL OF FOUNDATION WALL BACKFILL SHOULD CONSISTS OF AN IMPERVIOUS ORDINARY FILL CONTAINING LITTLE OR NO COARSE GRAVEL OR STONE. THE IMPERVIOUS FILL SHOULD BE PLACED AND COMPACTED AS DESCRIBED IN SECTION 304.3 OF THE STANDARD SPECIFICATIONS. ROOF DRAINAGE SHOULD BE PIPED AWAY FROM THE BUILDING AREA AND FINISHED EXTERIOR GRADES SHOULD BE SEPARATE AND PITCHED AWAY FROM THE PERIMETER WALLS TO MINIMI E SURFACE WATER INFILTRATION.

AS AN ALTERNATIVE TO PROVIDING THE GRAVEL "CHIMNEY" AT THE EXTERIOR WALL A PREFABRICATED DRAINAGE BOARD, SUCH AS MIRADRAIN 6000, MAY BE PLACED AGAINST THE FOUNDATION WALL. THE DRAINAGE BOARD SHOULD EXTEND FROM THE FOOTING TO GRADE AND BE CONNECTED DIRECTLY INTO THE CRUSHED STONE ENVELOPE SURROUNDING THE PERIMETER DRAIN. SHOULD A PREFABRICATED DRAINAGE STRUCTURE BE UTILI ED, THE PERIMETER WALLS MAY BE BACKFILLED WITH THE ON-SITE ORDINARY FILL.

THE UNDERSLAB DRAINAGE SYSTEM SHOULD CONSIST OF A NETWORK OF -INCH PERFORATED PVC PIPES LOCATED APPROXIMATELY 20 FEET ON CENTER AND PITCHED AT 0.5 PERCENT. PIPES SHOULD BE LOCATED APPROXIMATELY 10 FEET ON CENTER AND PITCHED AT 0.5 PERCENT SLOPE IN THE DIRECTION OF FLOW. THE PERIMETER AND UNDERSLAB DRAINS SHOULD BE SEPARATE AND GRAVITY DRAINED TO A STORM DRAIN LINE WHICH IS NOT SHOWN TO DAYLIGHTED.

PROPOSED UNDERDRAIN (TYP.)
REFER TO DETAIL

ALUMNI DRIVE

MAP 14, LOT 7-A
JAMES KEATING
1564/928

MAP 14, LOT 7-A
JAMES KEATING
1564/928

DESIGN DEVELOPMENT
03/15/2016

CAD DRAWING FILE: 891201-C-300-GRD.dwg

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Dover HS / CTC
Dover, NH
SUB-DRAINAGE PLAN - PARKING

SCALE: 1" = 30' DRAWN BY: EC CHECKED BY: ERL

DRAWING NUMBER C-3.5
JOB NUMBER 891201.01

REVISIONS NO.	DATE	REMARKS	BY

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PLAN REFERENCES:

1. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER", DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.

PROPOSED ELECTRICAL CONDUIT SCHEDULE

UTILITY	QTY.	DIA.	SCHEDULE
TELEPHONE	1	4"	40
CABLE	1	3"	40
ELECTRIC	2	5"	40
FIBER OPTIC/DATA	1	4"	40
FIRE	1	2"	40
SPARE	1	4"	40

NOTES:

1. UNDERGROUND ELECTRIC, CABLE, PHONE, AND FIBER OPTIC TO BE INVESTIGATED FURTHER AND COORDINATED WITH GENERAL CONTRACTOR.

MAINTAIN EXISTING OUTLET PIPE TO BELLAMY ROAD AND TIE PROPOSED PIPE INTO EXISTING MH AND RECONSTRUCT BRICK SHELF

CUT AND CAP EXISTING 4" WATER LINE AND CONNECT NEW 4" CLDIP WATER LINE TO PORTION OF EXISTING WATER LINE CONNECTING TO BELLAMY ROAD

INSTALL NEW 1" COPPER WATER SERVICE TO EXISTING SHED

ABANDON EXISTING WATER LINE IN PLACE

ABANDON EXISTING SEWER PIPE IN PLACE

CUT AND CAP EXISTING SEWER PIPE ENTERING MH FROM SOUTHEAST. REMOVE AND REPLACE EXISTING MH

SAWCUT PAVEMENT AS NEEDED TO INSTALL NEW UTILITIES. REPLACE IN LIKE KIND (TYP.)

INSTALL NEW 4" CLDIP WATER LINE FROM PROPOSED 8" WATER SERVICE TO EXISTING 4" WATER LINE.

CAP EXISTING SEWER LINE

INSTALL NEW 1" COPPER WATER SERVICE TO EXISTING SHED

CAP EXISTING WATER LINE

CUT EXISTING 4" FORCE MAIN AND CONNECT NEW 4" PVC W/ ELBOW TO RE-ROUTE FORCE MAIN TO SMH 3

INSTALL NEW 8" CLDIP WATER LINE

4" PVC FORCE MAIN

PROPOSED 3,000 GAL. OIL/WATER SEPARATOR FOR KITCHEN SEWER SERVICE (REFER TO DETAILS)

PROPOSED 6" SDR-35 PVC SEWER CONNECTION INV. @ BLDG = 80'

GENERATOR AND TRANSFORMER MOUNTED ON CONCRETE PADS

TEMPORARY 12" SDR-35 PVC SEWER PIPE. REFER TO SHEET C-5. (TEMPORARY SEWER DISPLAYED WITH GRAY SHADING)

REFER TO SHEET C-5 FOR DETAILS ON NEW SEWER MAIN

PROPOSED 8" CLDIP FIRE CONNECTION AND 4" WATER SERVICE CONNECTION (REFER TO DETAILS)

PROPOSED GAS CONNECTION

INSTALL TEMPORARY SEWER MANHOLE AND RE-ROUTE EXISTING SEWER PIPES TO TEMPORARY MANHOLE TO KEEP EXISTING BUILDING ONLINE THROUGHOUT CONSTRUCTION. REFER TO SEWER PLAN AND PROFILE (SHEET C-5) FOR DETAILS

COVERED RIDING PADDOCK (63' DIA.)

PROPOSED ANIMAL SCIENCES BUILDING

4" SDR-35 PVC
L=53'
S=.075
INV. OUT @ BLDG=88.62'
INV. IN @ EX. 8" PIPE=84.7'

INSTALL NEW HYDRANT W/ 6" CLDIP SERVICE AND GATE VALVE OFF PROPOSED WATER MAIN (SEE DETAILS)

REFER TO PLUMBING PLANS FOR DETAIL ON OIL/WATER SEPARATOR

TIE NEW PROPOSED 4" SDR-35 PVC SEWER SERVICE INTO EXISTING 8" SEWER PIPE

TIE NEW PROPOSED 8" CLDIP WATER SERVICE INTO EXISTING 8" WATER LINE (EXACT LOCATION UNKNOWN)

INSTALL NEW UNDERGROUND ELECTRIC AND CONNECT TO EXISTING UTILITY POLE

INSTALL UGE FOR PROPOSED BUILDING FROM EXISTING UTILITY POLE

CONNECT PROPOSED WATER TO EXISTING WATER MAIN

INSTALL TEE CONNECTION FOR THE INSTALLATION OF PROPOSED 8" CLDIP WATER LINE RUNNING DOWN ALUMNI DRIVE TO THE EXISTING WATER SERVICE FROM DURHAM ROAD.

TIE PROPOSED 4" SDR-35 PVC SEWER SERVICE INTO EXISTING 8" SEWER PIPE

4" SDR-35 PVC
L=149'
S=.017
INV. OUT @ SMH7 =93.80'
INV. IN @ EX. 8" PIPE =91.27'

4" SDR-35 PVC
INV. @ BLDG.=94.5'

SMH-7
INV. IN = 93.87
INV. OUT = 93.80

NOTE: EXISTING BUILDING SHOWN BECAUSE ALL EXISTING UTILITIES MUST REMAIN ACTIVE WHILE NEW SCHOOL IS BEING CONSTRUCTED.

CUT AND CAP EXISTING 6" WATER LINE AND INSTALL CONNECTION FOR IRRIGATION YARD HYDRANT

CONNECT PROPOSED GAS LINE FOR NEW SCHOOL TO EXISTING GAS LINE. GAS SERVICE INSTALLATION TO BE COORDINATED WITH LOCAL GAS COMPANY

PRESERVE EXISTING HYDRANT

MAINTAIN EXISTING 6" WATER SERVICE ALONG LOOP ROAD FOR WATER SERVICE TO SHED AND HYDRANT. (EXACT LOCATION AND ORIENTATION OF EXISTING PIPE IS UNKNOWN)

CONNECT PROPOSED 8" CLDIP WATER LINE TO EXISTING 6" AC WATER LINE

INSTALL NEW 8" CLDIP WATER LINE

BELLAMY ROAD

DURHAM ROAD

ALUMNI DRIVE

MAP H, LOT 6-M
N/F
BRIAN & DIANNE DESCHENES
2102/403

MAP H, LOT 6-A
N/F
JOSHUA LANCTOT
4247/890

MAP H, LOT 4-R
N/F
JACK MEYER JR. & ANNE DiMARIA
3716/901

MAP H, LOT 4-S
N/F
THE BARBARA A. ALLEN REVOCABLE TRUST
3403/669

MAP H, LOT 4-P
N/F
LISA BROWN
4190/62

MAP H, LOT 4-T
N/F
DAVID & ROBIN SMITH
1838/1

MAP H, LOT 8-B
N/F
PAUL O'BRIEN FAMILY IRREVOCABLE TRUST OF 2014
4244/811
PLAN 31/114

MAP H, LOT 7
N/F
JAMES KEATING & KATHLEEN HALL
3564/923

MAP H, LOT 7-A
N/F
JAMES KEATING

MAP H, LOT 8-A
N/F
TERRANCE & LAURIE EDGECOMB
2677/521

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Client: Planned Changes Owned

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DESIGN DEVELOPMENT
03/15/2016

CAD DRAWING FILE: 89120.01-C-200-UTILITY.dwg

Dover HS / CTC
Dover, NH
UTILITY PLAN

SCALE: 1" = 50'
DRAWN BY: EC
CHECKED BY: ERL

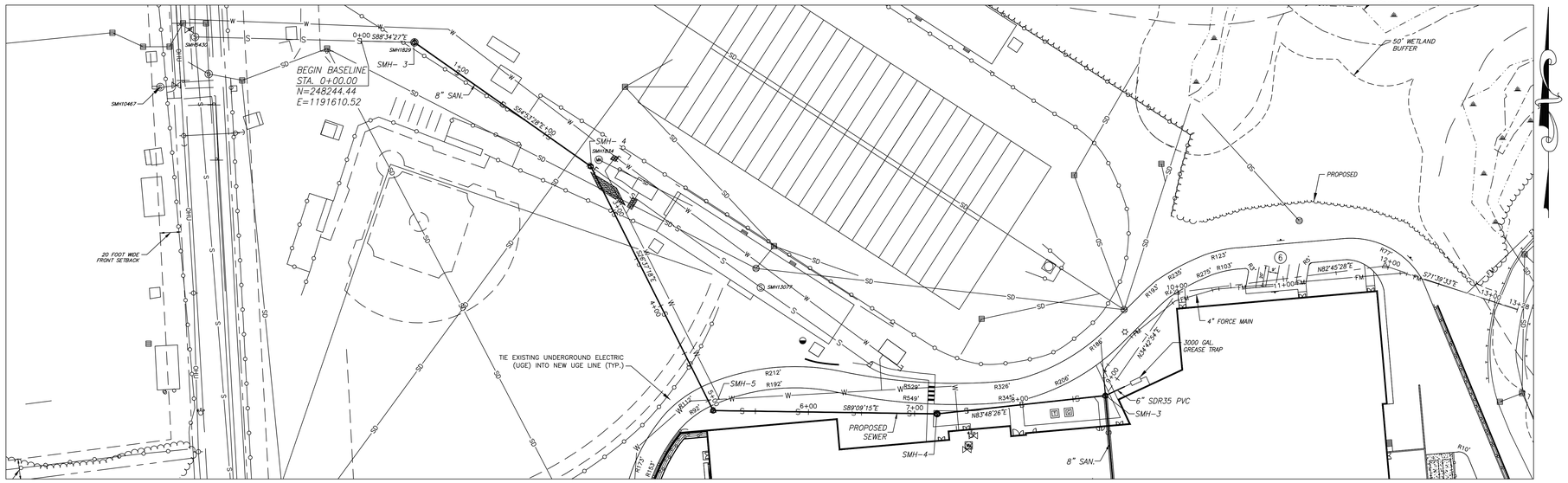
REVISIONS NO. | DATE | REMARKS | BY

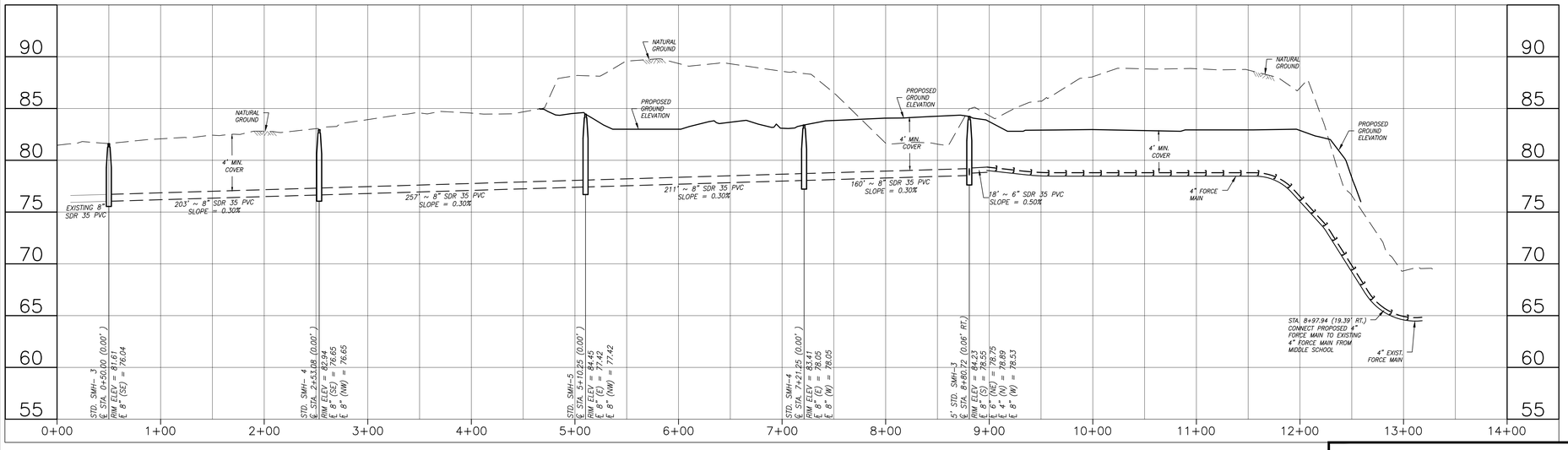
DRAWING NUMBER
C-4

JOB NUMBER 89120.01

J:\89120.01 - Dover HS & CTC New Construction, Dover, NH\CAD\dwg\89120.01-C-200-UTILITY.dwg 3/15/2016 1:01 PM

NOTES:
1. REFER TO GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO SHEET G-1 FOR GENERAL NOTES AND LEGEND.





PROFILE VIEW
HORI. SCALE: 1" = 50'
VERT. SCALE : 1" = 5'

0 50' 100'
0 5' 10'

NOTE:
MIN. COVER :' BELOW PERVIOUS SURFACE
MIN. COVER 6' BELOW PAVEMENT
PROVIDE 2" RIGID FOAM INSULATION WHERE COVER IS DEFICIENT

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Consulting Engineers and Land Surveyors
Nobis Engineering, Inc.
Concord, NH 03301
Phone: 603-224-4182
Client: Phone: Address: Owner

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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.01-C- 10-SEWER P&P .dwg

PLAN NORTH
PROFILE NORTH

Dover HS / CTC
Dover, NH
SEWER PLAN AND PROFILE

SCALE: 1" = 50' DRAWN BY: EC CHECKED BY: ERL

DRAWING NUMBER
C-5.1

JOB NUMBER 89120.01

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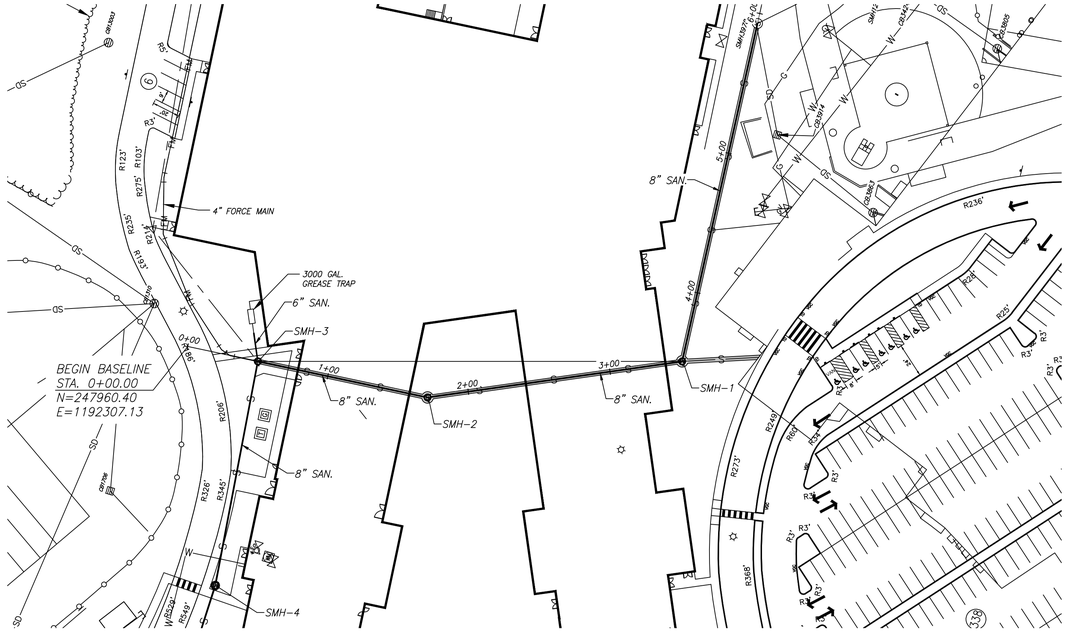
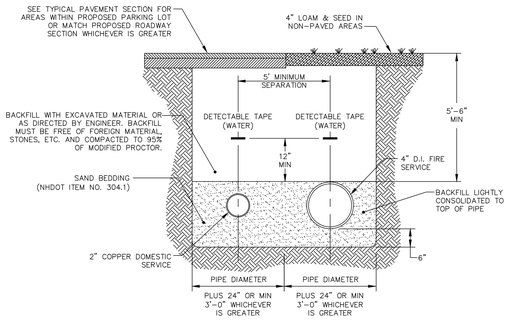
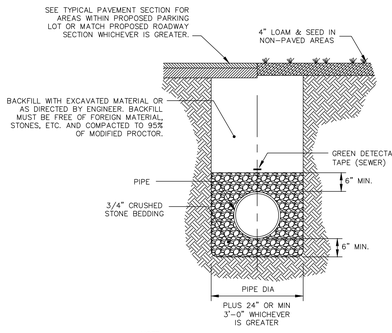
NOTES:
1. REFER TO GRADING AND DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
2. REFER TO SHEET G-1 FOR GENERAL NOTES AND LEGEND.





DOMESTIC WATER/FIRE SERVICE

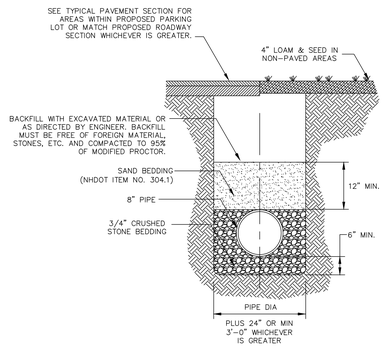
NOT TO SCALE



NOTE:
FOR SEWER PIPES LESS THAN 15"ø, THE ALLOWABLE TRENCH WIDTH 12" ABOVE PIPE SHALL BE NO MORE THAN 36".

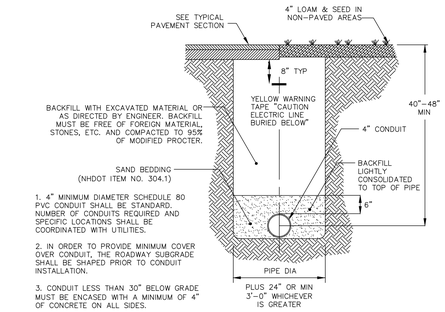
TYPICAL SANITARY/STORM SEWER TRENCH DETAIL

NOT TO SCALE



TYPICAL DRAINAGE PIPE TRENCH DETAIL

NOT TO SCALE



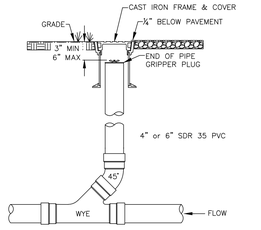
1. 4" MINIMUM DIAMETER SCHEDULE 80 PVC CONDUIT SHALL BE STANDARD. NUMBER OF CONDUITS REQUIRED AND SPECIFIC LOCATIONS SHALL BE COORDINATED WITH UTILITIES.

2. IN ORDER TO PROVIDE MINIMUM COVER OVER CONDUIT, THE ROADWAY SUBGRADE SHALL BE SHAPED PRIOR TO CONDUIT INSTALLATION.

3. CONDUIT LESS THAN 30" BELOW GRADE MUST BE ENCASED WITH A MINIMUM OF 4" OF CONCRETE ON ALL SIDES.

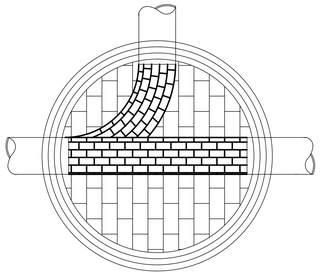
TYPICAL UNDERGROUND CONDUIT TRENCH DETAIL

NOT TO SCALE



STANDARD CLEANOUT

NOT TO SCALE

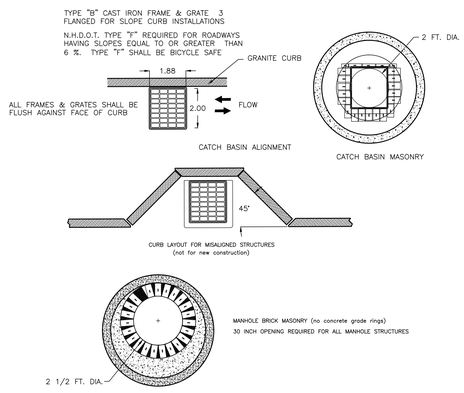


NOTES:

1. INVERT ABD SHELF TO BE PLACED AFTER LEAKAGE TEST.
2. CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT. INVERT BRICKS SGAKK BE LAID ON EDGE.
3. BASE SECTION TO BE FULL WALL THICKNESS AND MONOLITHIC TO A POINT 6" ABOVE THE PIPE CROWN.

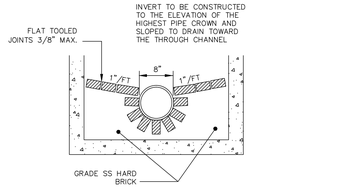
TYPICAL MANHOLE – PLAN VIEW

NOT TO SCALE



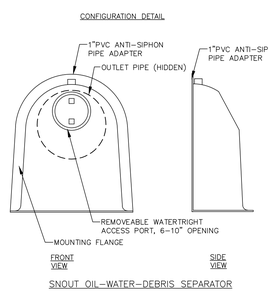
FRAME AND GRATE CONFIGURATION

NOT TO SCALE

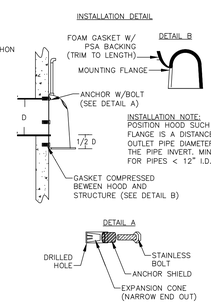


SANITARY AND STORM DRAIN MANHOLE BRICK SHELF AND INVERT CONSTRUCTION

NOT TO SCALE



SNOUT OIL-WATER-DEBRIS SEPARATOR



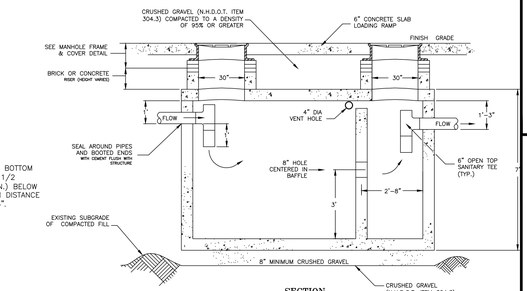
INSTALLATION NOTE:
POSITION HOOD SUCH THAT BOTTOM FLANGE IS A DISTANCE OF 1/2 OUTLET PIPE DIAMETER (MIN.) BELOW THE PIPE INVERT. MINIMUM DISTANCE FOR PIPES < 12" I.D. IS 6".

NOTES:

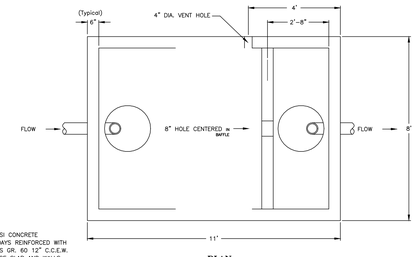
1. ALL HOODS FOR CATCH BASINS SHALL BE AS MANUFACTURED BY:
   BEST MANAGEMENT PRODUCTS, INC.
   53 MT. ARCHER RD.
   LYME, CT 06371
   (860) 434-0277, (860) 434-3195 FAX
   TOLL FREE: (800) 504-8008 OR (888) 434-0277
   WEB SITE: www.bmpinc.com
   OR PRE-APPROVED EQUAL
2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL)
4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION (SNOUT SIZE ALWAYS LARGER THAN PIPE SIZE).
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
8. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT, INSTALLATION KIT SHALL INCLUDE:
   A. INSTALLATION INSTRUCTIONS
   B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
   C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
   D. 3/8" STAINLESS STEEL BOLTS
   E. ANCHOR SHIELDS

HOOD SPECIFICATION FOR CATCH BASINS

NOT TO SCALE



SECTION

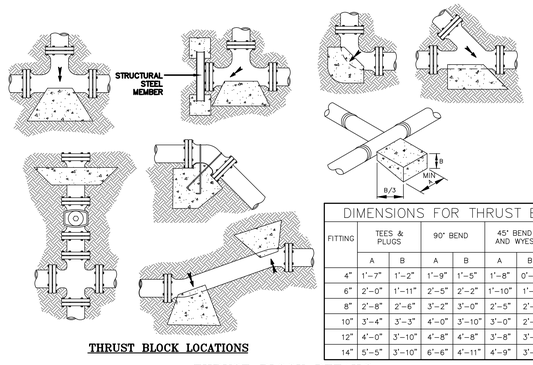


NOTE:
4500 PSI CONCRETE
@ 28 DAYS REINFORCED WITH #4 BARS GR. 60 12" C.C.E.W. FOR BASE SLAB AND WALLS OR FIBER REINFORCEMENT
#5 BARS 8" C.C. FOR TOP SLAB

PLAN

3,000 GALLON GREASE TRAP

NOT TO SCALE

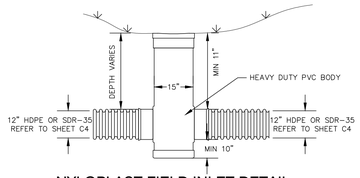


THRUST BLOCK LOCATIONS

DIMENSIONS FOR THRUST BLOCKING								
FITTING	TEES & PLUGS		90° BEND		45° BEND AND WYES		REDUCERS 11.25° & 22.5° BENDS	
	A	B	A	B	A	B	A	B
4"	1'-7"	1'-2"	1'-9"	1'-5"	1'-8"	0'-10"	1'-7"	0'-6"
6"	2'-0"	1'-11"	2'-5"	2'-2"	1'-10"	1'-7"	1'-9"	0'-10"
8"	2'-8"	2'-6"	3'-2"	3'-0"	2'-5"	2'-1"	1'-9"	1'-6"
10"	3'-4"	3'-3"	4'-0"	3'-10"	3'-0"	2'-9"	2'-2"	1'-11"
12"	4'-0"	3'-10"	4'-8"	4'-8"	3'-8"	3'-3"	2'-7"	2'-3"
14"	5'-5"	3'-10"	6'-6"	4'-11"	4'-9"	3'-5"	3'-5"	2'-5"

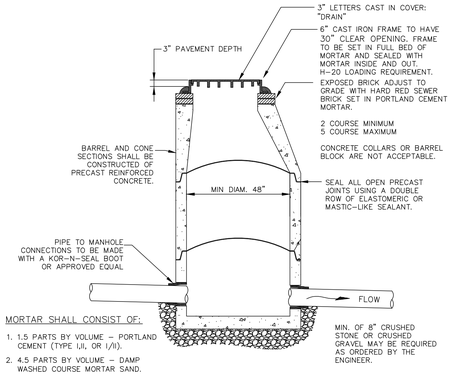
THRUST BLOCK DETAILS

NOT TO SCALE



NYLOPLAST FIELD INLET DETAIL

NOT TO SCALE

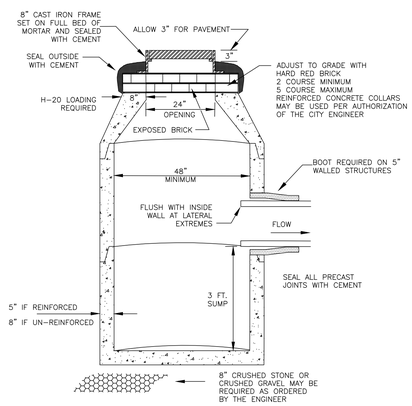


MORTAR SHALL CONSIST OF:

1. 1.5 PARTS BY VOLUME – PORTLAND CEMENT (TYPE I,II, OR I/II).
2. 4.5 PARTS BY VOLUME – DAMP WASHED COURSE MORTAR SAND.
3. ENOUGH CLEAR DRINKABLE WATER TO PRODUCE THE CONSISTENCY OF A STIFF PASTE.

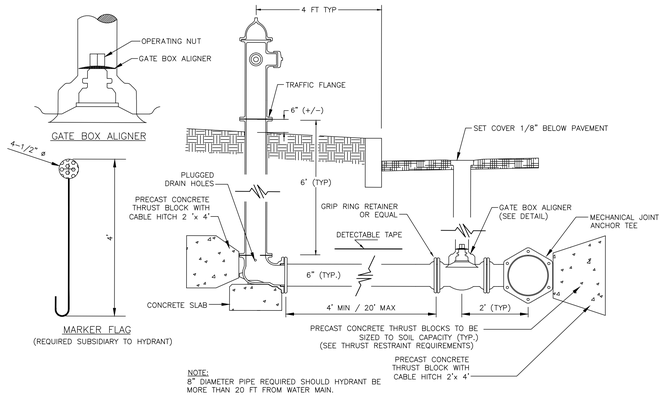
STORM MANHOLE

NOT TO SCALE



CATCH BASIN

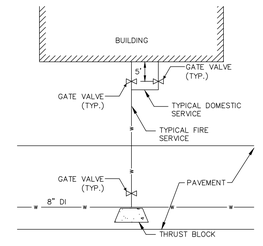
NOT TO SCALE



NOTE:
8" DIAMETER PIPE REQUIRED SHOULD HYDRANT BE MORE THAN 20 FT FROM WATER MAIN.

FIRE HYDRANT

NOT TO SCALE



DOMESTIC WATER/FIRE SERVICE

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HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617.547.5400
@HMFH1400 . hmfh.com

Nobis Engineering, Inc.
Consulting Engineers
Concord, NH 03301
(603) 224-4182
www.nobisengr.com
Client: Reverend Darrington (Owner)

NOT ISSUED FOR CONSTRUCTION

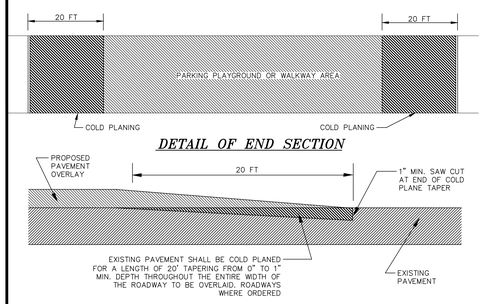
DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.01-C- 00-DETL.dwg

SCALE: AS NOTED

Dover HS / CTC
Dover, NH
CONSTRUCTION DETAILS
SCALE:
DRAWN BY: EC
CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

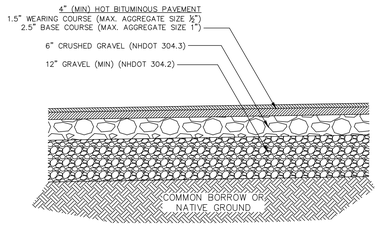
DRAWING NUMBER
C-6.1
JOB NUMBER 89120.01



DETAIL OF END SECTION

PAVEMENT OVERLAY

NOT TO SCALE



TYPICAL DRIVEWAY PAVEMENT SECTION

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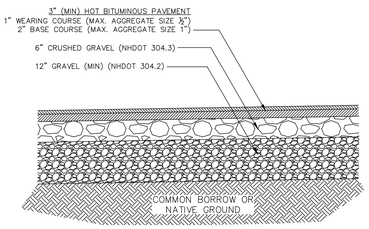
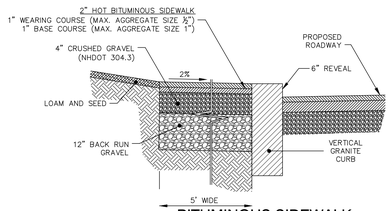


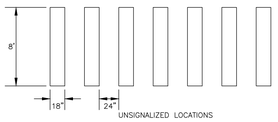
TYPICAL PARKING PAVEMENT SECTION

NOT TO SCALE



BITUMINOUS SIDEWALK VERTICAL GRANITE CURB

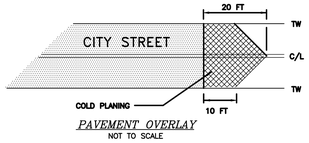
NOT TO SCALE



CROSSWALKS AND STOP BARS SHALL BE WHITE THERMOPLASTIC PAINT

CROSSWALK MARKINGS

NOT TO SCALE



PAVEMENT OVERLAY

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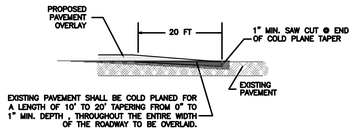
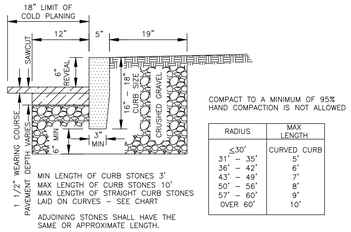


DETAIL OF END SECTION

NOT TO SCALE

COLD PLANING DETAIL

NOT TO SCALE



COMPACT TO A MINIMUM OF 95% HAND COMPACTION IS NOT ALLOWED

RADIUS	MAX LENGTH
	CURVED CURB
≤30'	5'
31' – 35'	6'
36' – 42'	7'
43' – 49'	8'
50' – 56'	9'
57' – 60'	10'
OVER 60'	

MIN LENGTH OF CURB STONES 3'
MAX LENGTH OF CURB STONES 10'
MAX LENGTH OF STRAIGHT CURB STONES LAID ON CURVES – SEE CHART

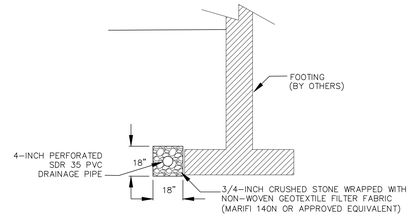
ADJOINING STONES SHALL HAVE THE SAME OR APPROXIMATE LENGTH.

FINISH SURFACE AND TOLERANCES FOR VERTICAL GRANITE CURB

AREA	FINISH SURFACE	TOLERANCE
TOP	5" WIDE OR AS OTHERWISE SHOWN, SAWN TRUE PLANE.	+⅛" TO +⅜"
	FRONT AND BACK ARRIS LINES PITCHED STRAIGHT AND PARALLEL.	+⅛" TO +⅜"
FRONT FACE	RIGHT ANGLE TO TOP, APPROXIMATELY TRUE PLANE. NO DRILL HOLES SHOWING IN TOP 10"	+1" TO –½"
BACK FACE EXPOSED	PLANE PARALLEL WITH FRONT FACE. STRAIGHT SPLIT TO 1½" BELOW EXPOSED SURFACE. NO LARGER THAN ¼" SEGMENT OF DRILL HOLES SHOWING IN ARRIS LINES.	+1" TO –1"
CONCEALED	BELOW 1½" FROM EXPOSED SURFACE.	+1½" TO –1½"
BOTTOM	APPROXIMATELY PARALLEL TO TOP. MINIMUM WIDTH: 3"	SEE PLANS
ENDS EXPOSED PORTION	SQUARE WITH PLANES OF TOP AND FACE	
JOINTS EXPOSED	OPTIMUM WIDTH: 1"	
CONCEALED	TO BREAK BACK NO MORE THAN 4"	+¾" TO –¾"

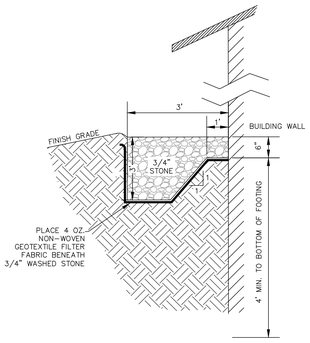
VERTICAL GRANITE CURB

NOT TO SCALE



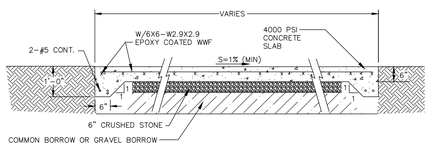
PERIMETER FOUNDATION DRAIN

NOT TO SCALE



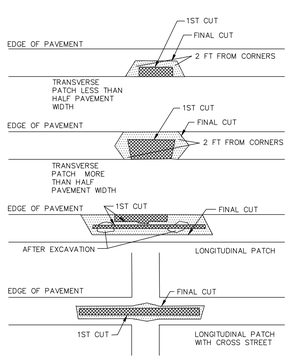
STONE DRIP EDGE

NOT TO SCALE



CONCRETE PAD

NOT TO SCALE



SAWCUT DETAIL

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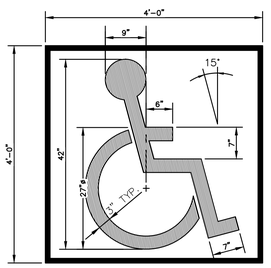
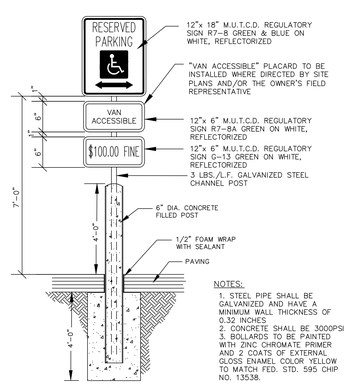


INTERNATIONAL SYMBOL OF ACCESSIBILITY PER ANSI A117.1–1986 REQUIREMENTS

NOTE:
1. USE PAINT WHICH CONTRASTS WITH BACKGROUND
2. THIS SIGN TO BE FURNISHED AND INSTALLED BY G.C.

PAINTED ACCESSIBLE PARKING SYMBOL

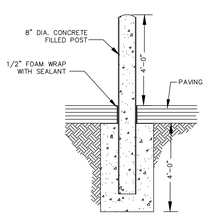
NOT TO SCALE



NOTES:
1. STEEL PIPE SHALL BE GALVANIZED AND HAVE A MINIMUM WALL THICKNESS OF 0.32 INCHES
2. CONCRETE SHALL BE 3000PSI
3. BOLLARDS TO BE PAINTED WITH ZINC CHROMATE PRIMER AND 2 COATS OF EXTERNAL GLOSS ENAMEL COLOR YELLOW TO MATCH FED. STD. 595 CHIP NO. 13538.

RESERVED PARKING SIGN ON BOLLARD

NOT TO SCALE

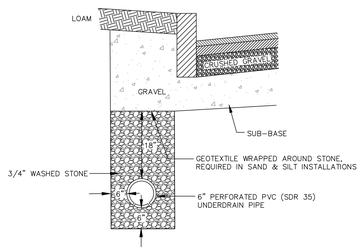


SECTION

NOTES:
1. STEEL PIPE SHALL BE GALVANIZED AND HAVE A MINIMUM WALL THICKNESS OF 0.32 INCHES
2. CONCRETE SHALL BE 3000PSI
3. BOLLARDS TO BE PAINTED WITH ZINC CHROMATE PRIMER AND 2 COATS OF EXTERNAL GLOSS ENAMEL COLOR YELLOW TO MATCH FED. STD. 595 CHIP NO. 13538.

CONCRETE FILLED BOLLARD

NOT TO SCALE



PARKING OR ROAD SECTION

UNDERDRAIN REQUIREMENTS

NOT TO SCALE

M.U.T.C.D. NUMBER	SPECIFICATION WIDTH	SPECIFICATION HEIGHT	MOUNTING HEIGHT	SIGN
R7–304	12"	18"	7'–0"	BUSES ONLY
NA	18"	12"	7'–0"	DRUG FREE SCHOOL ZONE
R1–1	30"	30"	7'–0"	STOP
R7–8	12"	18"	7'–0"	RESERVED PARKING
R7–8A	12"	6"	6'–3"	VAN
R7–1	12"	18"	7'–0"	NO PARKING ANY TIME
R5–1	30"	30"	7'–0"	DO NOT ENTER
R3–5	30"	36"	7'–0"	ONLY
R6–1(R)(L)	36"	12"	7'–0"	ONE WAY
R2–1	24"	30"	7'–0"	SPEED LIMIT 5
NA	12"	18"	7'–0"	COMPACT CAR PARKING ONLY

NOTE:
MOUNTING HEIGHT IS THE CLEARANCE OF THE BOTTOM OF THE SIGN TO THE NEAREST EDGE OF PAVEMENT.

SIGN SUMMARY

NOT TO SCALE

HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617.547.5400
@HMFH.com

Nobis Engineering, Inc.
Civil • Land Development • Environmental
Mass Engineering, Inc.
Nobis Engineering, Inc.
Concord, NH 03301
603.224.4182
www.nobisengr.com
Client: Reviewed Designer (Owner)

NOT ISSUED FOR CONSTRUCTION

DESIGN DEVELOPMENT
03/15/2016

CAD DRAWING FILE: 89120.01-C - 00-DETL.dwg

SCALE: AS NOTED

Dover HS / CTC
Dover, NH
CONSTRUCTION DETAILS

DRAWN BY: EJC CHECKED BY: ERL

SCALE:

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-6.2

JOB NUMBER 89120.01

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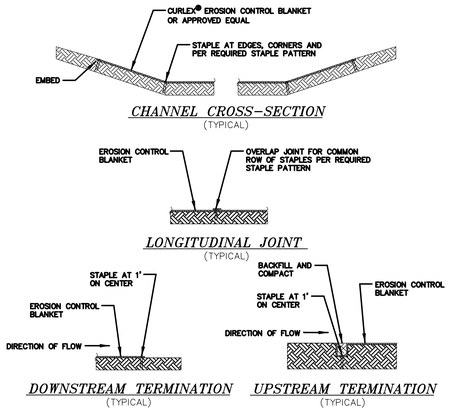
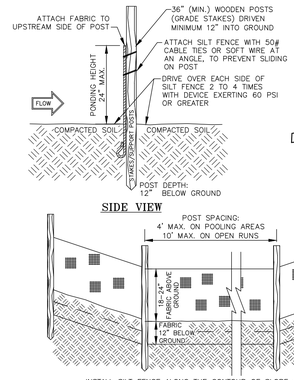


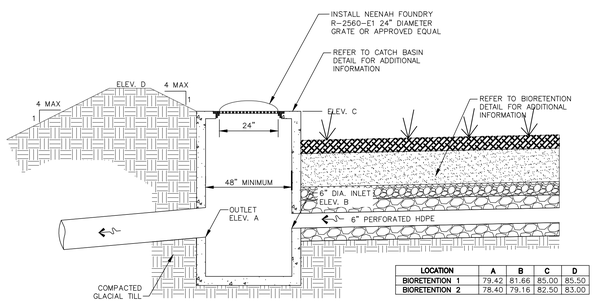
EROSION CONTROL MATTING
NOT TO SCALE



SILT FENCE INSTALLATION
NOT TO SCALE

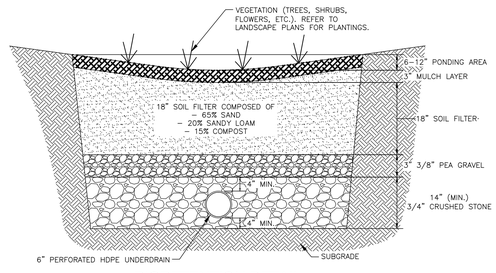
SPECIFICATIONS FOR SILT FENCE INSTALLATION

1. INSTALL POSTS 4 FEET APART IN CRITICAL WATER RETENTION AREAS AND 6-10 FEET APART ON STANDARD APPLICATIONS.
2. INSTALL POSTS 12 INCHES DEEP ON THE DOWN HILL SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC.
3. SECURELY ATTACH THE FABRIC TO EACH POST WITH TIES SECURED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 2" VERTICALLY APART. ALSO, EACH TIE SHOULD
4. WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
5. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE SILT IF NECESSARY.
6. COMPACTING IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH.



LOCATION	A	B	C	D
BIORETENTION 1	79.42	81.66	85.00	85.50
BIORETENTION 2	78.40	79.16	82.50	83.00

BIORETENTION SYSTEM
OUTLET STRUCTURE SECTION
NOT TO SCALE



BIORETENTION DETAIL
NOT TO SCALE

SPECIFICATIONS FOR TEMPORARY AND PERMENANT SEEDING:

1. GRASS SEED MIXES SHALL CONSIST OF THE MIXTURES AS DETAILED IN THE FOLLOWING TABLES, WITH 98% PURITY:

EROSION CONTROL SEED MIX		
SEED	BY % MASS	% GERMINATION (MIN.)
WINTER RYE 80 (MIN.)	80 (MIN.)	85
RED FESCUE (CREEPING)	4 (MIN.)	80
PERENNIAL RYE GRASS	3 (MIN.)	90
RED CLOVER	3 (MIN.)	90
OTHER CROP GRASS	0.5 (MAX.)	
NOXIOUS WEED SEED	0.5 (MAX.)	
INERT MATTER	1.0 (MAX.)	

PERMENANT SEED MIX		
SEED	BY % MASS	% GERMINATION (MIN.)
RED FESCUE (CREEPING)	50	85
KENTUCKY BLUE	25	85
PERENNIAL RYE GRASS	10	90
RED TOP	10	85
LANDING CLOVER	5	85

WINTER CONSTRUCTION NOTES:

ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE ELSEWHERE. MULCH REMAINING IN THE SPRING SHALL BE REMOVED AND REPLACED AT RATE OF 2 TONS PER ACRE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND TACKIFIER SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND.

ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3 OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

EROSION CONTROL NOTES

CATCH BASINS: CARE SHOULD BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT ENTER CATCH BASINS DURING EXCAVATION FOR PIPE TRENCHES, DITCHES AND SWALES. THE CONTRACTOR SHOULD PLACE IMPERMEABLE INLET PROTECTION OVER INLETS IN AREAS OF SOIL DISTURBANCE, WHICH ARE SUBJECT TO SEDIMENT CONTAMINATION.

PLACE INLET PROTECTION DEVICES IN CATCH BASINS AND MAINTAIN UNTIL ALL CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SURROUNDING AREAS ARE WELL VEGETATED.

SCHEDULE OF WORK
THIS WORK IS ANTICIPATED TO BEGIN IN THE FALL OF 2016 WITH A FINAL COMPLETION DATE IN THE FALL OF 2019.

ADEQUATE MEASURES SHOULD BE TAKEN TO MINIMIZE AIR BORNE DUST PARTICLES ARISING FROM SOIL DISTURBANCE AND CONSTRUCTION.

* DISTURBANCE OF AREAS SHOULD BE MINIMIZED AND NOT EXCEED 5 ACRES AT ANY ONE TIME.
* NO DISTURBED AREA SHOULD BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON.
* PERMANENT EROSION CONTROL FEATURES SHOULD BE INCORPORATED INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME, AS SPECIFIED ON THE CONTRACT PLANS.
* WITHIN 14 DAYS OF COMPLETING WORK IN AN AREA, AND PRIOR TO ANTICIPATED RAIN EVENTS, APPLY HAY/STRAW MULCH AND TACKIFIER ON ALL DISTURBED SOIL AREAS. APPLICATION RATES OF 2 TONS OF STRAW OR HAY PER ACRE SHOULD BE USED TO PREVENT EROSION UNTIL VEGETATIVE COVER CAN BE ESTABLISHED. ALTERNATIVELY, APPLY WOOD CHIPS OR GROUND BARK MULCH 2 TO 6 INCHES DEEP AT A RATE OF 10 TO 20 TONS PER ACRE.
* WHEN EROSION IS LIKELY TO BE A PROBLEM, GRUBBING OPERATION SHOULD BE SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATION AND PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER.
* AS WORK PROGRESSES, PATCH SEEDING AND MULCHING SHOULD BE DONE AS REQUIRED ON AREAS PREVIOUSLY TREATED TO MAINTAIN OR ESTABLISH PROTECTIVE COVER.
* REMOVE ACCUMULATED SEDIMENTS AND DEBRIS WHEN SEDIMENT CONTAINMENT DEVICES REACH 33% CAPACITY.

EROSION CONTROL IMPLEMENTATION SCHEDULE
THE FOLLOWING GENERAL SCHEDULE IDENTIFIES THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT MEASURES THAT ARE TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION:

* PERFORM LIMITED GRUBBING, STRIPPING AND SITE GRADING ONLY AS NEEDED TO COMPLETE IMMEDIATE WORK GOALS.
* BLOCK STORM WATER FLOW AS NECESSARY TO INSTALL ALL STORM WATER STRUCTURES IN THE DRY.
* INSTALL PERMANENT STORM DRAIN SYSTEM.
* INSTALL TEMPORARY SOIL STABILIZATION MEASURE INCLUDING SEED, MULCH, FERTILIZER, MATTING, ETC.
* REDIRECT FLOWS INTO FINISHED STRUCTURES PRIOR TO FILL OPERATIONS.
* PLACE HUMUS AND CONDUCT PERMANENT SEEDING AND MULCHING OF ALL DISTURBED GROUND.

TEMPORARY STABILIZATION: EROSION CONTROL MEASURES SHALL BE IMPLEMENTED, AS WRITTEN HEREIN AND AS DEPICTED ON THE ACCOMPANYING PLAN, FROM THE COMMENCEMENT OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS COMPLETE:

TEMPORARY GRADING: TEMPORARY GRADING DURING CONSTRUCTION SHOULD BE PERFORMED IN SUCH A MANNER TO FACILITATE MAXIMUM INFILTRATION OF STORMWATER AND MINIMIZE OR ELIMINATE STORMWATER RUNOFF FROM THE SITE.

MULCH: MULCHING WITH LOOSE HAY OR STRAW, AT A RATE OF 2 TONS PER ACRE, SHALL BE DONE IMMEDIATELY AFTER EACH AREA HAS BEEN FINAL GRADED. WHEN SEED FOR EROSION CONTROL IS SOWN PRIOR TO PLACING THE MULCH, THE MULCH SHOULD BE PLACED ON THE SEEDED AREAS WITHIN 48 HOURS AFTER SEEDING.

TACKIFIER: PLACEMENT OF SOIL TACKIFIER HAS PROVEN TO BE AN EFFECTIVE METHOD OF PREVENTING SOIL AND ADHERING MULCH IN PLACE. THE PLACEMENT OF A SOIL TACKIFIER SHOULD BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND SHOULD BE REAPPLIED AS NECESSARY TO CONTROL AIR BORN DUST AND SOIL, AND MULCH LOSS UNTIL PERMANENT VEGETATION IS ESTABLISHED.

ROAD CLEANING: THE CONTRACTOR SHALL SWEEP ROADS DAILY, OR AS NEEDED TO MAINTAIN CLEAN PAVED SURFACES AT ALL CONSTRUCTION ACCESS/EGRESS POINTS.

DUST CONTROL: THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED TO PREVENT AIRBORNE DUST PARTICLES FROM LEAVING THE SITE. DUST CONTROL MEASURES SHALL CONSIST OF USE OF A WATER TRUCK EQUIPPED WITH A SPRAY-BAR THAT DISSIPATES THE WATER EVENLY OVER THE SURFACE.

PERMANENT STABILIZATION: GRASS, TREES, SHRUBS AND MULCHED PLANTING BEDS WILL BE CONSTRUCTED AND MAINTAINED IN LOCATIONS AS SHOWN ON THE DRAWINGS TO STABILIZE AREAS NOT WITHIN THE PARKING LOT/BUILDING FOOTPRINT. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL FOR ONE YEAR AFTER COMPLETION.

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
1. BASE COARSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
2. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
3. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED;
4. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

ALL ROADWAYS/PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

EXCAVATION DEWATERING:
SHOULD EXCAVATION DEWATERING BE REQUIRED, THE CONTRACTOR MUST INSURE THAT ANY EXCAVATION DEWATERING DISCHARGES ARE NOT CONTAMINATED. NOTE: THE WATER IS CONSIDERED UNCONTAMINATED IF THERE IS NO GROUNDWATER CONTAMINATION WITHIN 1,000 FEET OF THE DISCHARGE.

THE CONTRACTOR MUST TREAT ANY UNCONTAMINATED EXCAVATION DEWATERING AS NECESSARY TO REMOVE SUSPENDED SOLIDS AND TURBIDITY DURING CONSTRUCTION. THE DISCHARGES MUST BE SAMPLED AT A LOCATION PRIOR TO MIXING WITH STORM WATER OR STREAM FLOW AT LEAST ONCE PER WEEK DURING WEEKS WHEN DISCHARGES OCCUR. THE SAMPLES MUST BE ANALYZED FOR TOTAL SUSPENDED SOLIDS (TSS) AND MUST MEET MONTHLY AVERAGE AND MAXIMUM DAILY TSS LIMITATIONS OF 50 MILLIGRAMS PER LITER (MG/L), RESPECTIVELY.

STORMWATER POLLUTION PREVENTION PLAN:
THE PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE USEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION PERMIT, WHICH INCLUDES A WRITTEN STORM WATER POLLUTION PREVENTION (SWPPP) PLAN FOR CONSTRUCTION. THE SWPPP PLAN SHALL OUTLINE DETAILED SPECIFICATIONS FOR IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR COMPLIANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN, SHALL BE RESPONSIBLE FOR AMENDING THE SWPPP ACCORDINGLY, AND SHALL BE RESPONSIBLE FOR ANY PENALTIES RESULTING FROM LACK OF COMPLIANCE.

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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.01-C- 00-DET1.dwg

SCALE: AS NOTED

Dover HS / CTC
Dover, NH
CONSTRUCTION DETAILS
SCALE: DRAWN BY: EC CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-6.3
JOB NUMBER 89120.01

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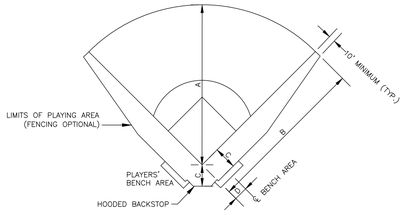
USE	A	B	C	D
ADULT MEN OR CO-ED	275' 300' OPTION	275'	25'	26'
ADULT WOMEN	275'	275'	25'	26'
YOUTH – AGE 12 & UNDER OR PRACTICE FIELD	200' MIN. 225' PREF.	200' MIN. 225' PREF.	20'	26'



NOTES:

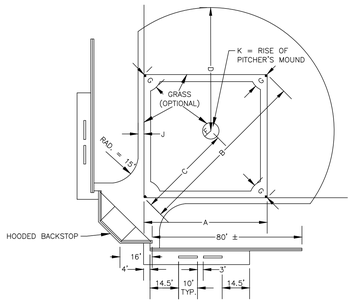
1. REQUIRED AREA: ADULT: 2.5 ACRES
   PONY LEAGUE: 2.0 ACRES
   LITTLE LEAGUE: 1.5 ACRES
2. DIMENSIONS AND FACILITIES: SEE TABULATION ABOVE. FENCING AROUND THE OUTFIELD AND FOUL LINES IS OPTIONAL.
3. THE LINE FROM HOME PLATE THROUGH THE PITCHER'S MOUND RUNS EAST–NORTHEAST (FIRST PREFERENCE) OR WEST–SOUTHWEST.
4. OUTFIELD SURFACE IS TURFGRASS. IDEAL GRADING IS SUCH THAT THE INFIELD SLOPES AWAY FROM THE PITCHER'S MOUND AND THE BASES AND HOME PLATE ARE LEVEL. ALTERNATELY, THE DIAMOND MAY PITCH FROM FIRST BASE TO THIRD BASE OR VICE–VERSA. NO AREA SHOULD DRAIN ONTO THE SKINNED INFIELD. SLOPES ON THE BALLFIELD SHOULD RANGE BETWEEN 1.00% AND 1.50% (1.25% PREFERRED) TO PROVIDE GOOD DRAINAGE, WHILE TRYING TO MINIMIZE SEVERE DIFFERENCES IN ELEVATION BETWEEN ANY TWO POINTS ON THE PLAYING SURFACE.
5. SOFTBALL DIMENSIONS ARE FOR 12" (BALL CIRCUMFERENCE) SLOW PITCH SOFTBALL. FOR FAST PITCH OR OTHER SOFTBALL GAMES, CONSULT THE AMATEUR SOFTBALL ASSOCIATION (ASA) REGULATIONS.
6. BENCH AREAS ARE TO BE PLACED OUTSIDE THE PLAYING AREA.
7. SOFTBALL INFIELD IS TOTALLY SKINNED. USE 3" SPECIAL INFIELD MIX IN SKINNED AREAS.

SOFTBALL FIELD DETAIL

NOT TO SCALE

TYPE	USE	A	B	C	D	E	F*	G*	H*	J	K	L
BASEBALL	ADULT BABE RUTH HIGH SCHOOL	90'	127'–3.5"	60'–6"	95'	13'	9'	13'	6'	3'	10"	40' M 60' P
	PONY LEAGUE JUNIOR HIGH SCHOOL	75'	106'–1"	54'	75'	12'	7'–6"	12'	6'	3'	8"	25' M 40' P
	LITTLE LEAGUE	60'	84'	46'	50'	9'	5'	9'	6'	3'	6"	25' M 40' P
SOFTBALL	ADULT MEN OR CO–ED	65'	91'–11"	50'	65'	15'	N/A	N/A	N/A	3'	0	25'
	ADULT WOMEN	65'	91'–11"	50'	65'	15'	N/A	N/A	N/A	3'	0	25'
	YOUTH (12 & UNDER) OR PRACTICE	60'	84'–10"	40'	60'	15'	N/A	N/A	N/A	3'	0	25'

* FOR GRASS INFIELDS ONLY. M = MINIMUM P = PREFERRED.

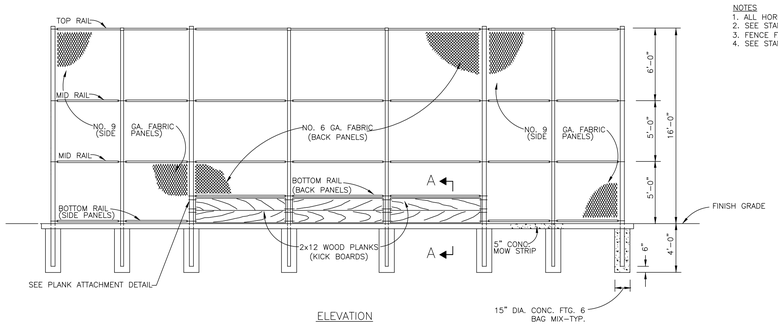


NOTES:

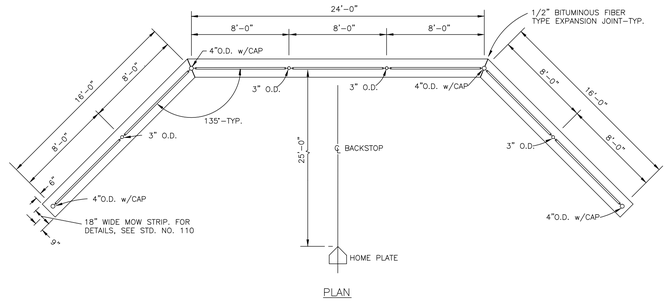
1. SOFTBALL INFIELD IS TOTALLY SKINNED. BASEBALL INFIELD HAS THE OPTION OF BEING TOTALLY SKINNED OR GRASSED WHERE SHOWN. USE 3" OF SPECIAL INFIELD MIX IN SKINNED AREAS.
2. PROVIDE TWO 10' LONG PLAYERS' BENCHES FOR EACH BENCH AREA. BENCH AREA SHALL BE SURROUNDED BY A 3" DEPTH OF BLUESTONE DUST ON GRADE. INSTALL A 6' HIGH CHAIN LINK FENCE WITH A CONCRETE MOW STRIP.
3. SOFTBALL DIMENSIONS ARE FOR 12" (BALL CIRCUMFERENCE) SLOW PITCH SOFTBALL. FOR FAST PITCH OR OTHER SOFTBALL GAMES, CONSULT THE AMATEUR SOFTBALL ASSOCIATION (ASA) REGULATIONS.

INFIELD LAYOUT DETAIL

NOT TO SCALE



ELEVATION

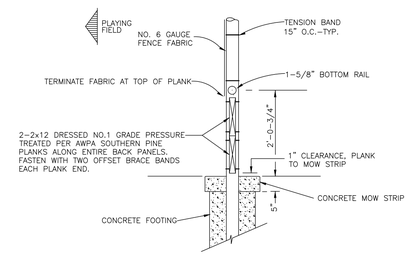


PLAN

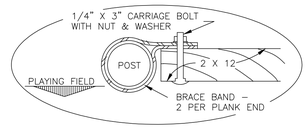
BACKSTOP NON-HOODED DETAIL

NOT TO SCALE

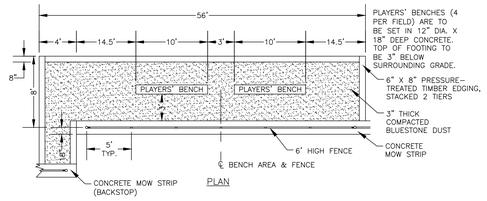
NOTES
1. ALL HORIZONTAL RAILS ARE 1 5/8" O.D. PIPE.
2. SEE STANDARD SPECIFICATIONS FOR FENCE POST, RAIL AND FABRIC NOTES.
3. FENCE FABRIC SHALL BE FUSION BONDED. COLOR: "WOODLAND GREEN" OR "BLACK" (OR AS DIRECTED)
4. SEE STANDARD DETAIL NO. 110 FOR DETAILS OF CONCRETE MOW STRIP.



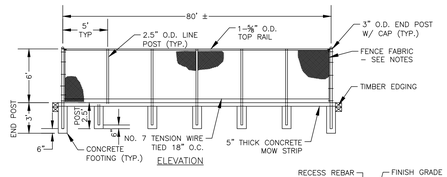
SECTION A–A



PLANK ATTACHMENT DETAIL



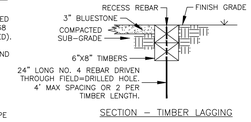
PLAN



ELEVATION

FENCE NOTES

1. ALL POSTS & RAILS SHALL BE SCHEDULE 40, HOT DIPPED GALVANIZED ZINC WITH FUSION BONDED COATING ON OUTSIDE SURFACE (ASTM 668 TYPE 2B). COLOR: "WOODLAND GREEN" OR "BLACK" (OR AS SPECIFIED).
2. FABRIC IS TO BE NO. 9 ASW GA. STEEL CORE CHAIN LINK 2" DIAMOND MESH, FUSION BONDED (ASTM 668 TYPE 2B). COLOR: TO MATCH FABRIC (OR AS SPECIFIED).
3. ALL FABRIC SHALL BE SECURED TO POSTS & RAILS AT 18" MAX. SPACING.
4. ALL ASSORTED HARDWARE SHALL BE FUSION BONDED (ASTM 668 TYPE 2B).
5. ALL FOOTINGS SHALL BE 12" DIAMETER, MSHA NO. 2 CONCRETE.
6. PIPE WEIGHTS: 1–⅝" O.D. = 2.27 LBS./LIN. FT.
   2–½" O.D. = 3.65 LBS./LIN. FT.
   3" O.D. = 5.79 LBS./LIN. FT.



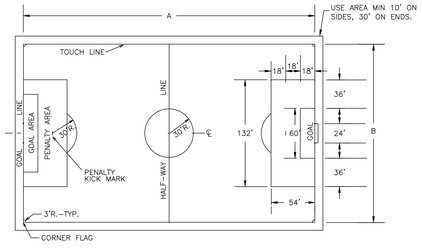
SECTION – TIMBER LAGGING

PLAYERS BENCH AREA WITH FENCING

NOT TO SCALE

USE	AGE GROUP	A	B	
ADULT REGULATION or HIGH SCHOOL	12 AND UP	330' MIN. 360' PREF.	195' MIN. 220' PREF.	
YOUTH or PRACTICE	UNDER 12	250' MIN.	150' MIN.	

RATIO OF WIDTH TO LENGTH SHOULD BE APPROXIMATELY 0.60.



PLAN

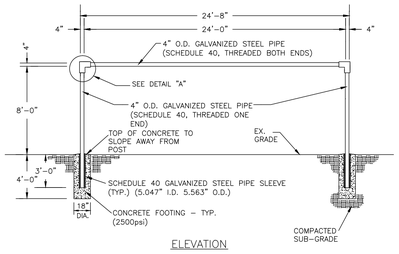
NOTES:

1. REQUIRED AREA: 2.5 ACRES (REGULATION)
   1.5 ACRES (PRACTICE)
2. SIZE AND DIMENSION: SEE TABULATION FOR PLAYING FIELD DIMENSIONS. AN ADDITIONAL 10'–0" OF UNOBSTRUCTED SPACE IS TO BE PROVIDED ON ALL FOUR SIDES.
3. ORIENTATION: PREFERRED ORIENTATION IS FOR THE LONG AXIS TO BE NORTH–SOUTH.
4. SURFACE AND GRADING: SURFACE IS TURFGRASS. PREFERRED GRADING IS A CENTRAL LONGITUDINAL CROWN WITH A 1.25%–1.50% SLOPE TO THE SIDELINES. ALTERNATIVELY, THE
5. FIELD MAY BE SLOPED FROM SIDE TO SIDE.

   SEMI–PERMANENT SOCCER GOALS SHALL BE INSTALLED IN GROUND SLEEVES AT EACH END OF THE PLAYING FIELD. SEE STANDARD NO. 142 AND 143.

SOCCER FIELD DETAIL

NOT TO SCALE



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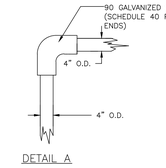

DETAIL A

NOTES:

1. GOAL POSTS TO BE 4" O.D. (3.548" I.D.) SCHEDULE 40 GALVANIZED STEEL PIPE.
2. NETS SHALL BE ATTACHED TO THE POSTS, CROSSBARS AND GROUND BEHIND THE GOAL. THE TOP OF THE NET MUST EXTEND BACK–WARD 2 FEET, LEVEL WITH THE CROSSBAR.
3. PROVIDE GALVANIZED STEEL PIPE SLEEVES FOR THE REMOVAL OF SOCCER GOAL. (5.047" I.D. 5.563" O.D.)

SOCCER GOAL DETAIL

NOT TO SCALE

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DESIGN DEVELOPMENT
03/15/2016

CAD DRAWING FILE: 89120.01-C-00-DET1.dwng

SCALE: AS NOTED

Dover HS / CTC
Dover, NH
ATHLETIC FIELD DETAILS

SCALE: DRAWN BY: EC CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-6.4

JOB NUMBER 89120.01

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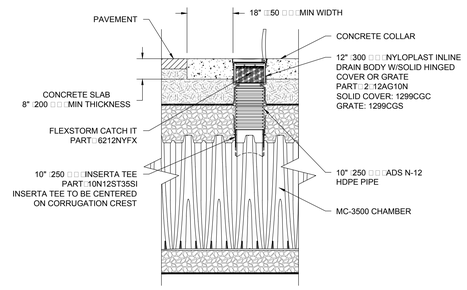
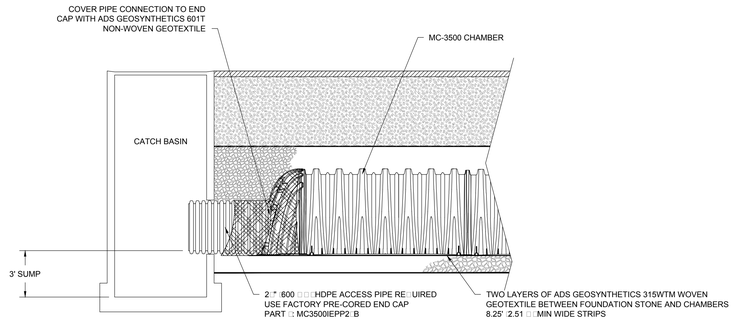


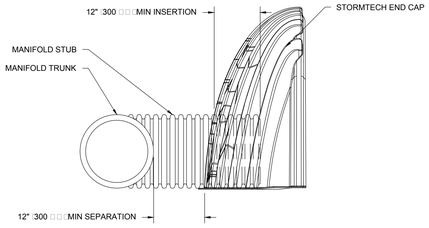
MC-3500 INSPECTION PORT DETAIL
NTS



MC-3500 ISOLATOR ROW DETAIL
NTS

MC-SERIES END CAP INSERTION DETAIL

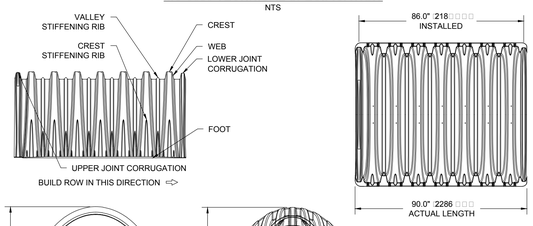
NTS



NOTE: MANIFOLD STUB MUST BE LAID HORI□ONTAL FOR A PROPER FIT IN END CAP OPENING.

MC-3500 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SI□E□W X H X INSTALLED LENGTH□	□□.0" X □5.0" X 86.0"	□1956 □□ X 11□3 □□ X 218.□□□□
CHAMBER STORAGE	109.9 CUBIC FEET	(3.11 m³)
MINIMUM INSTALLED STORAGE□	1□8.9 CUBIC FEET	(5.06 m³)
WEIGHT	135.0 □□□	61.2 □g□

NOMINAL END CAP SPECIFICATIONS

SI□E□W X H X INSTALLED LENGTH□	□□.0" X □5.0" X 22.5"	□1956 □□ X 11□3 □□ X 5□1 □□□
END CAP STORAGE	1□□.9 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE□	□6.0 CUBIC FEET	(1.30 m³)
WEIGHT	50.0 □□□	22.□□ g□

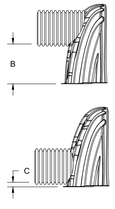
□ASSUMES 12" □305 □□□STONE ABOVE, 9" □229 □□□STONE FOUNDATION AND BETWEEN CHAMBERS, 12" □305 □□□STONE PERIMETER IN FRONT OF END CAPS AND □0□ STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	B	C
MC3500IEPP06T	6" □150 □□□	33.21" □843 □□□	---
MC3500IEPP06B		---	0.66" □17 □□□
MC3500IEPP08T	8" □200 □□□	31.16" □791 □□□	---
MC3500IEPP08B		---	0.81" □21 □□□
MC3500IEPP10T	10" □250 □□□	29.0" □738 □□□	---
MC3500IEPP10B		---	0.93" □23 □□□
MC3500IEPP12T	12" □300 □□□	26.36" □670 □□□	---
MC3500IEPP12B		---	1.35" □34 □□□
MC3500IEPP15T	15" □3□5 □□□	23.39" □594 □□□	---
MC3500IEPP15B		---	1.50" □38 □□□
MC3500IEPP18T	18" □450 □□□	20.03" □509 □□□	---
MC3500IEPP18B		---	1.□□" □45 □□□
MC3500IEPP2□T	2□" □600 □□□	1□□.8" □368 □□□	---
MC3500IEPP2□B		---	2.06" □52 □□□
MC3500IEPP30B	30" □750 □□□	---	---

NOTE: ALL DIMENSIONS ARE NOMINAL

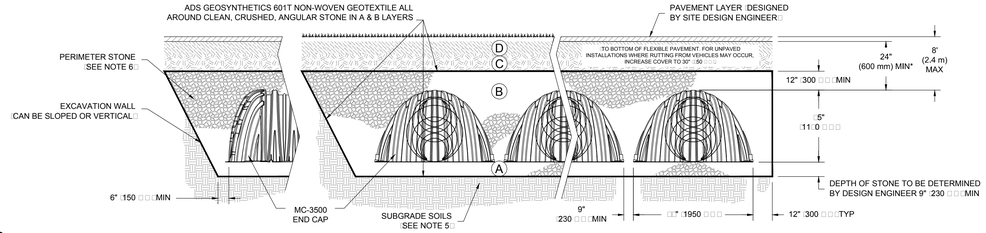
CUSTOM PRECORED INVERTS ARE AVAILABLE UPON RE□UEST. INVENTORIED MANIFOLDS INCLUDE 12-2□" □300-600 □□□SI□E ON SI□E AND 15-□8" □3□5-1200 □□□ECCENTRIC MANIFOLDS.
CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SI□ES GREATER THAN 10" □250 □□□
THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHTEST POSSIBLE FOR THE PIPE SI□E.



ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY RE□UIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE RE□UIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION RE□UIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE 'B' LAYER□TO 2□" □600 □□□ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, □35□ FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M1□5¹ A-1, A-2-□, A-3 OR AASHTO M□3⁴ 3, 35□, □, □6□, 5, 56, 5□, 6, 6□, 68, □, □8, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 2□" □600 □□□OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" □300 □□□ MAX LIFTS TO A MIN. 95□ PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95□ RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE □'A' LAYER□TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SI□E DISTRIBUTION BETWEEN 3/□2 INCH □20-50 □□□	AASHTO M□3⁴ 3, □	NO COMPACTION RE□UIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT □BOTTOM□ OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SI□E DISTRIBUTION BETWEEN 3/□2 INCH □20-50 □□□	AASHTO M□3⁴ 3, □	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ² ³

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR □□STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. □□AASHTO M□3□STONE".
2. STORMTECH COMPACTION RE□UIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" □230 □□□MAX□LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION E□UIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION RE□UIREMENTS.



NOTES:

1. MC-3500 CHAMBERS SHALL CONFORM TO THE RE□UIREMENTS OF ASTM F2□18 "STANDARD SPECIFICATION FOR POLYPROPYLENE □PP□CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2□8□□"STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION RE□UIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
4. □ THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT OF THE STORMTECH CHAMBERS FOR THIS PROJECT.
5. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE □ALLOWABLE BEARING CAPACITY□OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
6. PERIMETER STONE MUST BE EXTENDED HORI□ONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
7. □ ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL RE□UIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

INSPECTION & MAINTENANCE

STEP 1□ INSPECT ISOLATOR ROW FOR SEDIMENT
- A. INSPECTION PORTS □IF PRESENT□
  - A.1. REMOVE/OPEN LID □ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.□ LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS □OPTIONAL□
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" □80 □□□PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
    - □MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - □□ FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" □80 □□□PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2□ CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NO□□LE WITH REAR FACING SPREAD OF □5" □1.1 □□OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS RE□UIRED

STEP 3□ REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS□RECORD OBSERVATIONS AND ACTIONS.

STEP □□ INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

STORMWATER CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH MC-3500 OR APPROVED E□UAL.
2. CHAMBERS SHALL BE MADE FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORT PANELS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
4. □ THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION RE□UIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1□LONG-DURATION DEAD LOADS AND 2□SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
5. CHAMBERS SHALL MEET THE RE□UIREMENTS OF ASTM F2□18, "STANDARD SPECIFICATION FOR POLYPROPYLENE □PP□ CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOADS DETERMINED IN ACCORDANCE WITH ASTM F2□8□□, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
7. □ ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. THE CHAMBER MANUFACTURER SHALL SUBMIT THE FOLLOWING UPON RE□UEST TO THE SITE DESIGN ENGINEER FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE:
   - □. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE SAFETY FACTORS ARE GREATER THAN OR E□UAL TO 1.95 FOR DEAD LOAD AND 1.□5 FOR LIVE LOAD, THE MINIMUM RE□UIRED BY ASTM F2□8□□AND BY AASHTO FOR THERMOPLASTIC PIPE.
   - □. A STRUCTURAL EVALUATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATES THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET. THE 50 YEAR CREEP MODULUS DATA SPECIFIED IN ASTM F2□18 MUST BE USED AS PART OF THE AASHTO STRUCTURAL EVALUATION TO VERIFY LONG-TERM PERFORMANCE.
   - c. STRUCTURAL CROSS SECTION DETAIL ON WHICH THE STRUCTURAL EVALUATION IS BASED.
8. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

1. STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-□500 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DO□ER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.

   STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. □ THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 9" □230 □□□SPACING BETWEEN THE CHAMBER ROWS.
7. □ END CAPS SHALL BE FASTENED TO CHAMBERS WITH □3□2-1/2" COARSE THREAD SCREWS.
8. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" □300 □□□INTO CHAMBER END CAPS.
9. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/□2" □20-50 □□□MEETING THE AASHTO M□3 DESIGNATION OF □3 OR □□.
10. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING..
11. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-□500 CONSTRUCTION GUIDE".
2. THE USE OF E□UIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
   - NO E□UIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-□500 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSRUCTION E□UIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-□500 CONSTRUCTION GUIDE".
3. FULL 36" □900 □□□OF STABILI□ED COVER MATERIALS OVER THE CHAMBERS IS RE□UIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-269□WITH ANY □UESTIONS ON INSTALLATION RE□UIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION E□UIPMENT.

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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.01-C-00-DET1.dwg

SCALE: AS NOTED

Dover HS / CTC
Dover, NH
ATHLETIC FIELD DETAILS

DRAWN BY: EC | CHECKED BY: ERL | SCALE:

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-6.5
JOB NUMBER 89120.01

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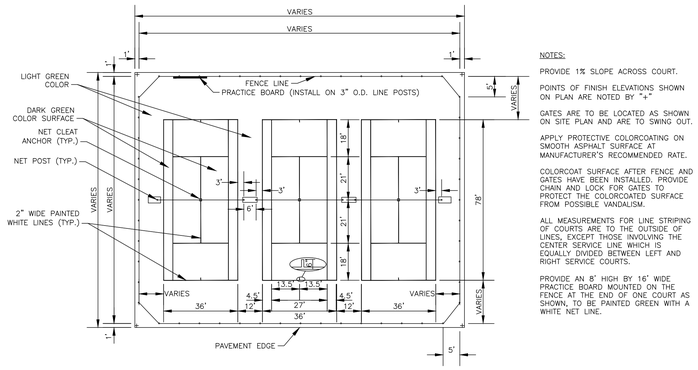


NOTE: "CALIFORNIA CORNERS" ARE TO BE USED FOR TENNIS COURT RENOVATION ONLY.

TENNIS COURT LAYOUT/LINE STRIPING DETAIL

NOT TO SCALE

NOTES:

PROVIDE 1% SLOPE ACROSS COURT.

POINTS OF FINISH ELEVATIONS SHOWN ON PLAN ARE NOTED BY "+"

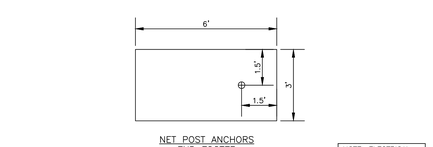
GATES ARE TO BE LOCATED AS SHOWN ON SITE PLAN AND ARE TO SWING OUT.

APPLY PROTECTIVE COLORCOATING ON SMOOTH ASPHALT SURFACE AT MANUFACTURER'S RECOMMENDED RATE.

COLORCOAT SURFACE AFTER FENCE AND GATES HAVE BEEN INSTALLED. PROVIDE CHAIN AND LOCK FOR GATES TO PROTECT THE COLORCOATED SURFACE FROM POSSIBLE VANDALISM.

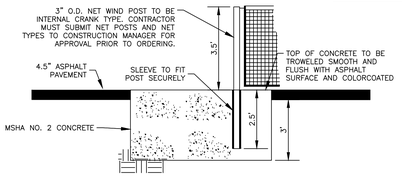
ALL MEASUREMENTS FOR LINE STRIPING OF COURTS ARE TO THE OUTSIDE OF LINES, EXCEPT THOSE INVOLVING THE CENTER SERVICE LINE WHICH IS EQUALLY DIVIDED BETWEEN LEFT AND RIGHT SERVICE COURTS.

PROVIDE AN 8' HIGH BY 16' WIDE PRACTICE BOARD MOUNTED ON THE FENCE AT THE END OF ONE COURT AS SHOWN, TO BE PAINTED GREEN WITH A WHITE NET LINE.

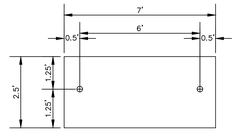


NET POST ANCHORS
END FOOTER
PLAN VIEW

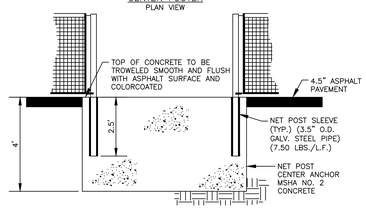
NOTE: ELECTRICAL CONDUIT AND LIGHT STANDARD ANCHOR BOLTS ARE OPTIONAL.



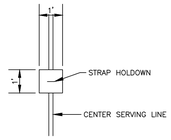
NET POST ANCHORS
END FOOTER
SIDE VIEW



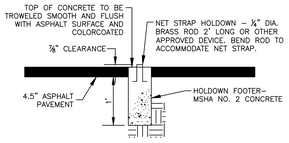
NET POST ANCHORS
CENTER FOOTER
PLAN VIEW



NET POST ANCHORS
CENTER FOOTER
SIDE VIEW



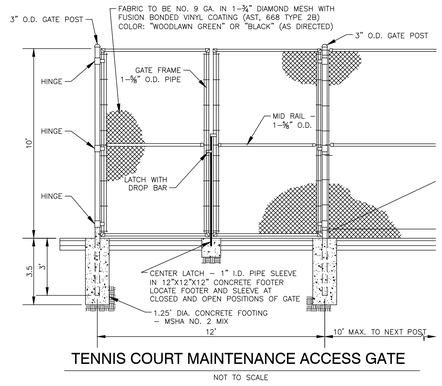
NET HOLDOWN FOOTER
PLAN VIEW



NET HOLDOWN FOOTER
SIDE VIEW

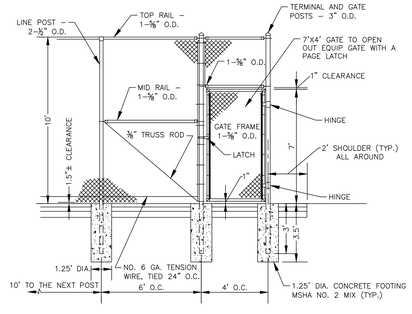
TENNIS COURT PAVEMENT, NET AND POST DETAIL

NOT TO SCALE



TENNIS COURT MAINTENANCE ACCESS GATE

NOT TO SCALE

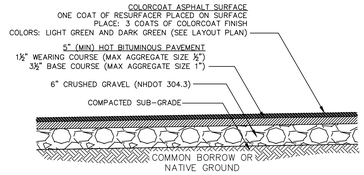


NOTES:

1. FENCE ELEVATION IS TYPICAL. ACTUAL LOCATION OF GATE SHALL BE AT THE EXACT PLACE AS SHOWN ON THE SITE PLAN.
2. NO CONCRETE SHALL BE PLACED IN FOOTING WITHOUT ONSITE INSPECTION AND APPROVAL OF THE COMMISSION CONSTRUCTION MANAGER.
3. ALL POSTS AND RAILS SHALL BE SCHEDULE 40, HOT–DIPPED GALV. ZINC WITH CHROMATE CONVERSION COATING AND FUSION BONDED VINYL, (ASTM 668 TYPE 2B) COLOR: "WOODLAND GREEN" OR "BLACK" (OR AS DIRECTED), SHALL MATCH FABRIC.
4. ALL ASSORTED HARDWARE SHALL BE FUSION BONDED VINYL.
5. PIPE WEIGHTS: 1–⅝" O.D. = 1.83 LBS./LIN. FT.
   2–½" O.D. = 3.11 LBS./LIN. FT.
   3" O.D. = 4.64 LBS./LIN. FT.
6. FABRIC TO BE NO. 9 A.S.W. GA. GALV. STEEL CORE, 1–¾" DIAMOND MESH, FUSION BONDED (ASTM 668 TYP. 2B) COLOR: "WOODLAND GREEN" OR "BLACK" (OR AS DIRECTED.
7. ALL PAVEMENT SURFACES ARE TO BE COLOR COATED INCLUDING EDGES OUTSIDE THE FENCE.

TENNIS COURT FENCE AND PLAYER'S GATE

NOT TO SCALE



TENNIS COURT PAVEMENT SECTION

NOT TO SCALE

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Client: Kimberly Hallgren (Owner)

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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.01-C- 00-DET1.dwng

SCALE: AS NOTED

Dover HS / CTC
Dover, NH
ATHLETIC FIELD DETAILS

SCALE: DRAWN BY: EC CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-6.6

JOB NUMBER 89120.01

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PLAN REFERENCES:

1. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "DOVER HIGH SCHOOL & REGIONAL CAREER TECHNICAL CENTER", DATED FEBRUARY 23, 2015, PROVIDED TO NOBIS ENGINEERING, INC. BY SEBAGO TECHNICS, INC.
2. GRADES AT VARIOUS STAGES OF CONSTRUCTION SHALL BE VERIFIED AND CERTIFIED BY A NEW HAMPSHIRE REGISTERED SURVEYOR. COPIES SHALL BE PROVIDED TO THE SCHOOL FOR APPROVAL PRIOR TO PROCEEDING WITH THE NEXT ACTIVITY.
3. THE TURF MANUFACTURER SHALL PROVIDE FIELD MARKINGS AS SPECIFIED BY THE SCHOOL.
4. PRIOR TO COMPLETION, THE CONTRACTOR SHALL CLEAN ALL THE MONITORING WELLS.
5. ALL HDPE PIPE SHALL BE N-12.
6. TRACK TO BE STRIPED PER NFHS STANDARDS

SEE SHEET C-7.2 FOR THROWING EVENT DETAIL

4"X4" CONCRETE MONUMENT 3" HIGH WITH DRILL HOLE

6" N-12 HDPE FOR TRENCH DRAINAGE, PROVIDE POSITIVE DRAINAGE TO MANHOLE

OUTSIDE TRACK ELEVATION TO BE SET AT 81.50

INSIDE TRACK ELEVATION TO BE SET AT 81.17

PROP. CATCH BASIN TRK-6 RIM=80.5 INV OUT=76.5

PROP. MANHOLE TRK-2 RIM=81.20 INV OUT=75.17 GLUE TURF TO LID

START OF COLLECTOR PIPE, INV=79.34

PROP. ASPHALT D-AREA WITH TRACK SURFACING

PROP. CONCRETE CURB WITH NOTCH FOR TURF

PROP. 6" N-12 HDPE TO TIE INTO COLLECTOR PIPE. PROVIDE FITTINGS AS NECESSARY TO TIE INTO PIPE

PROVIDE LANDING AND STEPS AT EX. BLEACHER OPENINGS TO REACH SIDEWALK LEVEL, TYP. PROVIDE RAILINGS AS NECESSARY AT INTERFACE WITH TRACK

R102.1' (FACE OF CURB)

R102.7' (OUTSIDE OF TRENCH DRAIN)

R124.7' (OUTSIDE OF TRACK)

125 LF OF 15" N-12 HDPE @ 0.70%

PROP. 6" N-12 HDPE TO TIE INTO COLLECTOR PIPE, PROVIDE FITTINGS AS NECESSARY TO TIE INTO PIPE

PROP. GOAL POSTS/SOCCER GOALS, TYP.

PROP. 15" SOLID HDPE COLLECTOR PIPE

200 LF OF 15" N-12 HDPE @ 1.00%

OTHERS

EX. VISITOR BLEACHERS TO REMAIN

SPORTSFIELD SPECIALTIES COMBOX 3500.5 OR APPROVED EQUAL

5' SIDEWALK

PROVIDE NEW 6 LANE TRACK (1.5% MAX. CROSS SLOPE)

4" BLACK VINYL COATED CHAIN LINK FENCE TO RUN AT EDGE OF TRACK AROUND ENTIRE TRACK SURFACE

SPORTSFIELD SPECIALTIES 12" TAKE-OFF BOARD (MODEL TFLTPO1255) OR APPROVED EQUAL, TYP. OF 3

PROP. CATCH BASIN TRK-5 RIM=80.5 INV IN=75.62 INV OUT=75.52

80 LF OF 12" N-12 HDPE @ 0.70%

TRIPLE JUMP SAND PIT

START OF COLLECTOR PIPE, INV=79.34

0.5% (TRENCHED BRIDGE SLOPE ON FIELD)

PROP. STONE TRENCH

PROP. 8" N-12 HDPE PERFORATED OVERFLOW PIPE

TWO – 2" PVC CONDUITS WITH PULL STRINGS

200.1' (INSIDE OF TRACK)

204.1' (SYNTHETIC TURF LIMITS)

532.1' (FACE OF CURB)

380.0' (SYNTHETIC TURF LIMITS)

AREA OF TURF = 77,461 SF

PROP. 6" N-12 HDPE TO TIE INTO COLLECTOR PIPE

PROP. MANHOLE TRK-4 RIM=81.20 INV IN=74.89 INV OUT=74.79 GLUE TURF TO LID

TRENCH HIGH POINT

100' (TYP.)

370 LF OF 24" N-12 HDPE @ 0.65%

45° TYP.

PROP. 8" N-12 HDPE PERFORATED OVERFLOW PIPE

8" N-12 HDPE 45° HORIZONTAL BEND

98 LF OF 24" N-12 HDPE @ 1.00%

CB13162

PROP. DOGHOUSE MANHOLE DOG-1 RIM=81.75 EX. INV IN=64.95 (S) INV IN=69.36 (W) EX. INV OUT=64.88 (N)

24" RCP INV OUT 63.98'

10" CLAY INV OUT 75.92' BROKEN

PROVIDE SLOPED CHANNEL TRENCH DRAIN ALONG SOUTHWEST SIDE OF SYNTHETIC TURF FIELD

SMH1834

SMH1836

PROP. MANHOLE TRK-1 RIM=81.20 INV IN=70.44 (SW) INV IN=71.47 (NW) INV IN=77.49 (SW) INV IN=78.00 (SE) INV OUT=70.34 (E) GLUE TURF TO LID

6" N-12 HDPE FOR TRENCH DRAINAGE, PROVIDE POSITIVE DRAINAGE TO MANHOLE

PROP. ASPHALT D-AREA WITH TRACK SURFACING

PROP. CONCRETE CURB WITH NOTCH FOR TURF

SPORTSFIELD SPECIALTIES COMBOX 3500.5 OR APPROVED EQUAL

PROP. ACO SPORT 4000 TRENCH DRAIN OR APPROVED EQUAL ALONG ENTIRE INSIDE EDGE OF TRACK

ADVANEDGE DRAIN OR APPROVED EQUAL SET FLAT ON SUBGRADE AND ANCHORED PER MANUFACTURERS RECOMMENDATIONS, TYP.

195 LF OF 24" N-12 HDPE @ 1.00%

LONG JUMP PIT, TYP.

CB13000

CB10199

PROP. 6" HDPE TO TIE INTO COLLECTOR PIPE

TWO – 2" PVC CONDUITS WITH PULL STRINGS

SPORTSFIELD SPECIALTIES COMBOX 3500.5 OR APPROVED EQUAL

8" N-12 HDPE 45° HORIZONTAL BEND

POLE VAULT AREA

6" N-12 HDPE FOR TRENCH DRAINAGE, PROVIDE POSITIVE DRAINAGE TO MANHOLE

CB13100

PROVIDE LANDING AND STEPS AT EX. BLEACHER OPENINGS TO REACH SIDEWALK LEVEL, TYP. PROVIDE RAILINGS AS NECESSARY AT INTERFACE WITH TRACK

LIGHT TOWER IN FENCE

BLEACHERS

CB13078

CATCH BASIN FOUND BY PUBLIC WORKS 2/29/16, NOT SURVEY LOCATED

PRESS

SMH13077

EX. HOME BLEACHERS (TO REMAIN)

COMMON FINISH LINE 10 METERS PRIOR TO POINT OF CURVATURE

TRENCH HIGH POINT

TWO – 2" PVC CONDUITS AND ONE – 4" PVC CONDUIT WITH PULL STRINGS

PROP. MANHOLE TRK-3 RIM=81.20 INV IN=72.39 (NW) INV IN=77.49 (N) INV IN=78.00 (E) INV OUT=72.29 (NE) GLUE TURF TO LID

PROVIDE MANUFACTURED CATCH BASIN FROM ACO SPORT OR APPROVED EQUAL AT ALL TRENCH DRAIN CONNECTIONS

SCOREBOARD

DOVER GREEN SIGN

SMH13058

0 10' 20'
GRAPHIC SCALE

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NOT ISSUED FOR CONSTRUCTION

DESIGN DEVELOPMENT
03/15/2016

CAD DRAWING FILE: 89120\05.C-11-SITE.dwg

Dover HS / CTC
Dover, NH

SYNTHETIC TURF FIELD AND TRACK LAYOUT

DRAWN BY: EC CHECKED BY: ERL

SCALE: 1" = 20'

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-7.1

JOB NUMBER 89120.01

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1" IRON PIPE
6" HIGH

S 83°28'50" E
35.22'

S 89°07'44" E
335.52'

6' BLACK VINYL COATED CHAIN LINK FENCE

4"X4" CONCRETE MONUMENT
12" HIGH WITH DRILL HOLE

MAP H, LOT 13-A
N/F
JENNALYNN
COULP-YU
4029/592

N 20°41'09" E
125.09'

S 87°08'16" E
156.16'

220'

90

28.86°

88

10'

120' JAVELIN RUNWAY

13.125'

26.25'

LANDING AREA FOR SHOT PUT (SEE DETAIL)

4"X4" CONCRETE MONUMENT
3" HIGH WITH DRILL HOLE

4"X4" CONCRETE MONUMENT
6" HIGH WITH DRILL HOLE
1" IRON ROD (OLD
FENCE SUPPORT)

86

84

82

80

78

76

TIE FENCE INTO EX. FENCE

SHOT PUT CIRCLE

EX. MAINTENANCE SHED
(TO REMAIN)

EX. PAVED AREA
(TO REMAIN)

200'

24'

24'

DISCUS CIRCLE
DISCUS CAGE
CONCRETE PAD

34.92°

NEW 6 LANE TRACK.
SEE SHEET C-7.1 FOR DETAIL

SEE SHEET C-7.1 FOR INLET AND STORM DRAIN DETAIL AND INVERTS

DUMPSTER PAD

CB10405

SMH1829

SMH5430

SMH5477

CB1820

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0 10' 20'
GRAPHIC SCALE

HMFH ARCHITECTS
130 Bishop Allan Drive
Cambridge, MA 02139
617.491.1050
@HMFHarch hmfh.com

Nobis Engineering
Nobis Engineering, Inc.
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(603) 224-4182
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Client: Planning/Design/Owner

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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.02-C11-SITE.dwg

Dover HS / CTC
Dover, NH
SYNTHETIC TURF FIELD AND TRACK LAYOUT
SCALE: 1" = 20' DRAWN BY: EC CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-7.2

JOB NUMBER 89120.01

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ACO SPORT 4000 TRENCH DRAIN OR APPROVED EQUAL

R50'

PLACE TRACK SURFACE ON TOP OF ENTIRE ASPHALT AREA (10,925 SF)

1" SCH 40 PVC FROM TAKEOFF BOARD. PROVIDE POSITIVE FITTINGS AND SLOPE TO ENSURE POSITIVE DRAINAGE TO OUTFALL

HIGH JUMP STRIPING, TYP.

SPORTFIELD SPECIALTIES 12" TAKE-OFF BOARD (MODEL TFLTP012SS) OR APPROVED EQUAL

4" PERFORATED N-12 HDPE DRAIN. PROVIDE FITTINGS AND SLOPE TO ENSURE POSITIVE DRAINAGE TO OUTFALL. PIPE TO BE SOLID OUTSIDE THE LIMITS OF THE SAND PIT

TRIPLE JUMP SAND PIT, SEE DETAIL

SYNTHETIC TURF CURB

10' HIGH BALL STOP NETTING SYSTEM SET INSIDE PROPOSED SYNTHETIC TURF CURB. AAE HS-1 WITH GROUND SLEEVES OR APPROVED EQUAL

SPORTFIELD SPECIALTIES COMBINATION GOAL PAK SYSTEM (MODEL SG4980HS30) OR APPROVED EQUAL

40' RETURN ON BALL STOP NETTING, TYP.

SPORTFIELD SPECIALTIES CAST ALUMINUM VAULT BOX (MODEL TFFPV001CA) OR APPROVED EQUAL

STRIPING FOR RUNWAYS TO BE PLACED ON TRACK SURFACE, TYP. ALL JUMPING EVENTS.

LONG JUMP SAND PIT, SEE DETAIL

SEE SHEET C-7.1 FOR ALL DRAINAGE INFORMATION, TYP.

PLACE TRACK SURFACE ON TOP OF ENTIRE ASPHALT AREA (10,865 SF)

ACO SPORT 4000 TRENCH DRAIN OR APPROVED EQUAL

GRAPHIC SCALE 0 10' 20'

REVISIONS NO.	DATE	REMARKS	BY

HMFH ARCHITECTS
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Client: Revised Submission Owned

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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.02-C11-SITE.dwg

Dover HS / CTC
Dover, NH
SYNTHETIC TURF FIELD AND TRACK LAYOUT
SCALE: 1" = 20' DRAWN BY: EC CHECKED BY: ERL

DRAWING NUMBER
C-7.3

JOB NUMBER 89120.01

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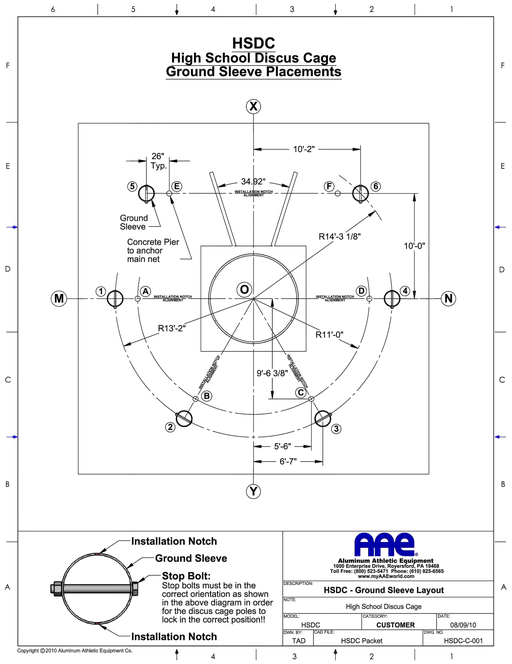
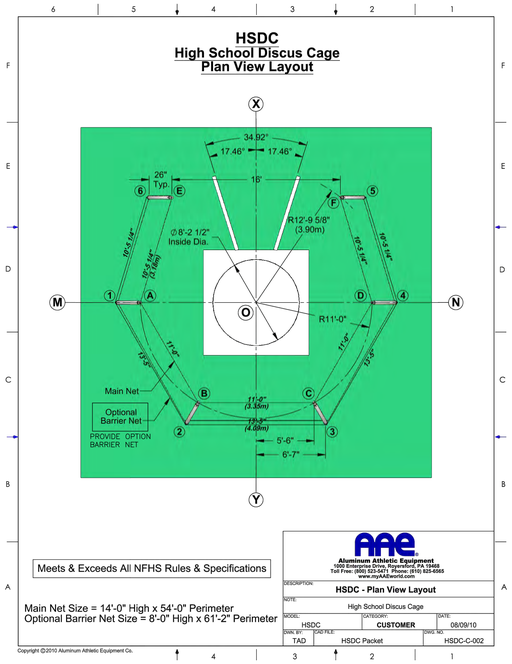
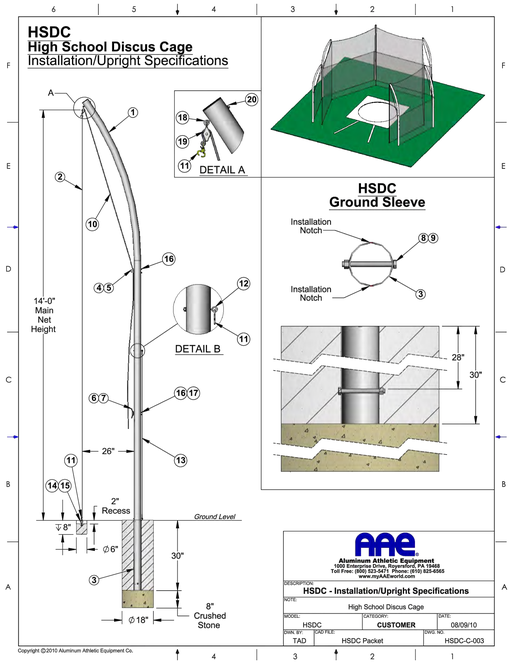
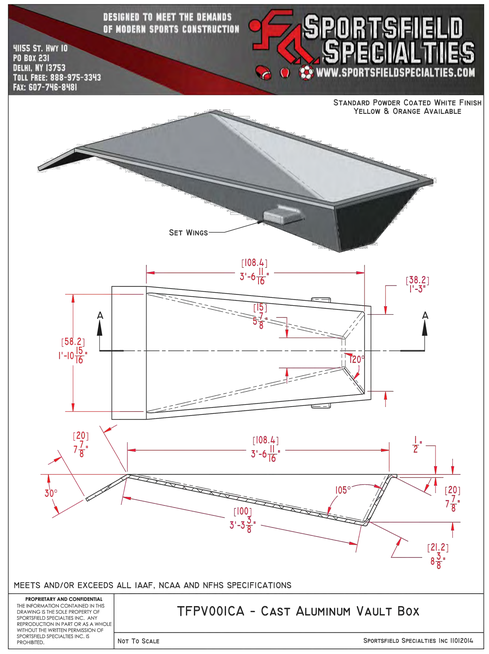






DISCUS CAGE
N.T.S

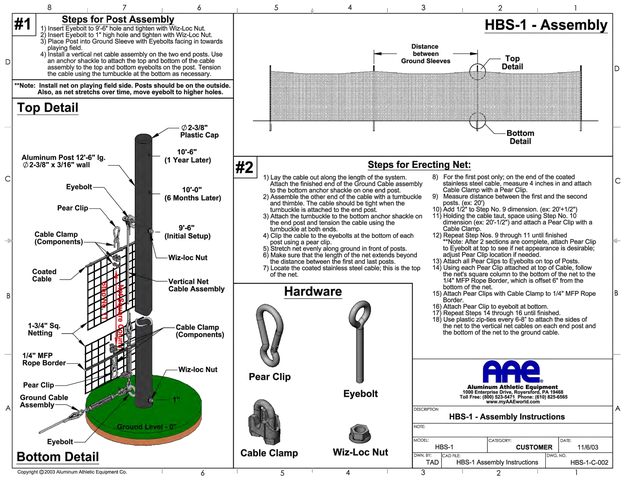


VAULT BOX
N.T.S

FOOTBALL/SOCCER GOAL
N.T.S

TAKEOFF BOARD
N.T.S

BALLSTOP NETTING SYSTEM
N.T.S



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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.02-C12-DETAILS.dwg

Dover HS / CTC
Dover, NH
SYNTHETIC TURF FIELD AND TRACK DETAILS
SCALE: N.T.S. DRAWN BY: ECI CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-8.1
JOB NUMBER 89120.01

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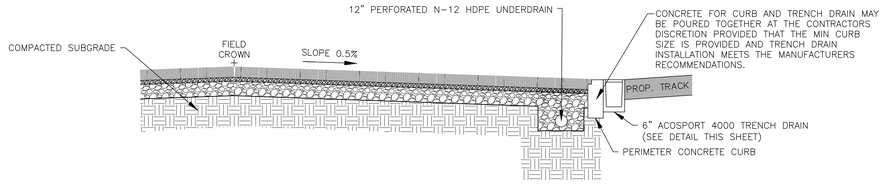


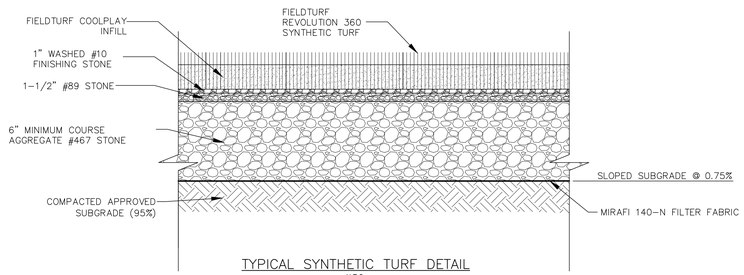
TYPICAL SECTION DETAIL
N.T.S.

GENERAL NOTES:

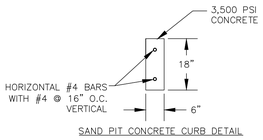
1. THE FIELD SUBGRADE SHALL BE SET ON A 0.75% SLOPE.

2. ALL CONCRETE SHALL BE 3,500 PSI, MATERIALS AND CONSTRUCTION TO COMPLY WITH NEW HAMPSHIRE DOT STANDARD SPECIFICATIONS, LATEST EDITION.

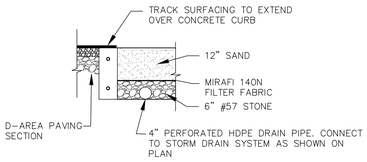
3. PERFORATIONS ON HDPE N-12 SHALL BE CLASS II AS DERIVED FROM AASHTO SPECIFICATIONS. THE PERFORATIONS SHALL BE LOCATED ON THE OUTSIDE VALLEYS OF THE CORRUGATIONS, BE CIRCULAR OR SLOTTED AND EVENLY SPACED AROUND THE CIRCUMFERENCE AND LENGTH OF THE PIPE. THE OPENING AREA FOR THE PERFORATIONS FOR 4" AND 6" PIPE SHALL BE 1 SQUARE INCH PER LINEAR FOOT OF PIPE.



TYPICAL SYNTHETIC TURF DETAIL
N.T.S.

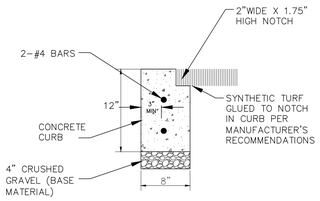


SAND PIT CONCRETE CURB DETAIL



SAND PIT CROSS SECTION

SAND PIT DETAILS
N.T.S



PERIMETER CURB DETAIL
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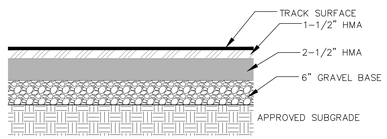
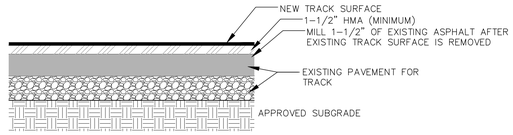
NOTES:

1. CONCRETE SHALL BE 3500 PSI



TRACK PAVEMENT @ D AREAS
N.T.S



NOTE: AFTER EXISTING TRACK SURFACE IS REMOVED AND 1-1/2" OF EXISTING ASPHALT IS MILLED, THE REMAINING TRACK SECTION SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER. ANY FAILED AREAS SHALL HAVE FULL DEPTH PAVEMENT REPLACEMENT PER D-AREA PAVING SECTION THIS SHEET. NEW ASPHALT PAVING SURFACE COURSE SHALL BE WEDGED TO MEET PROPOSED FINISHED GRADES. SEE PLAN FOR FINISH GRADES.

TRACK REHABILITATION
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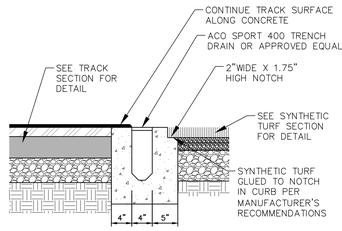
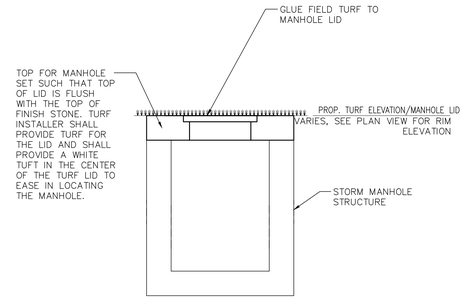


TRACK/TRENCH DRAIN/SYNTHETIC TURF DETAIL
N.T.S



MANHOLE DETAIL (FLUSH) UNDER TURF
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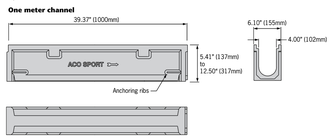
ACO SPORT **Dec 07**

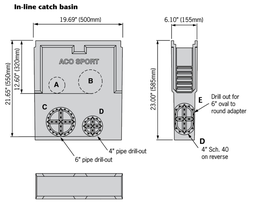
System 4000

Open channel trench drain system

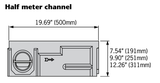
One meter channel



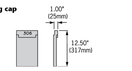
In-line catch basin



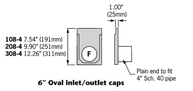
Half meter channel



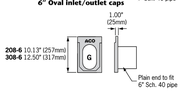
Closing cap



4" inlet/outlet caps



6" Oval inlet/outlet caps



Total capacity = 6.50 gallons

Outlet flow rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	In-line catch basin*	4" round	12.60	175	0.40
B	In-line catch basin*	6" round	12.60	379	0.87
C	In-line catch basin*	6" round	21.63	530	1.22
D	In-line catch basin*	4" round	21.63	242	0.54
E	In-line catch basin*	6" oval	21.63	372	0.86
F	108-4 outlet cap	4" round	6.77	119	0.27
F	208-4 outlet cap	4" round	9.13	220	0.50
F	308-4 outlet cap	4" round	11.50	168	0.39
G	208-6 outlet cap	6" oval	9.13	220	0.50
G	308-6 outlet cap	6" oval	11.50	248	0.57

* In-line catch basin flow rate without trash bucket - using trash bucket reduces flow

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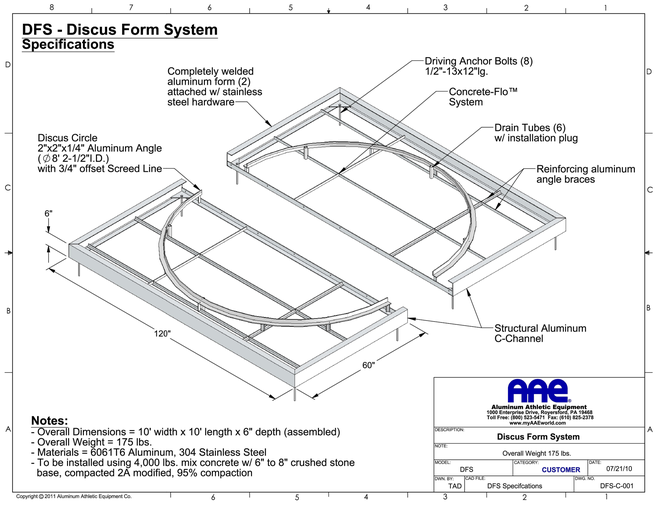
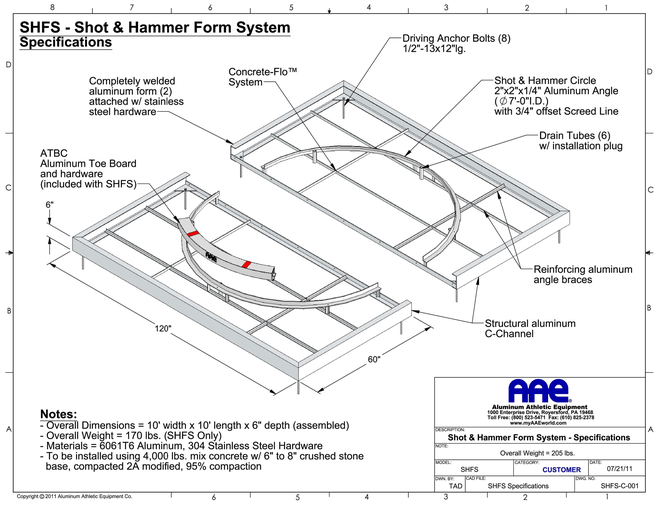
ACO Specification Information

TRENCH DRAIN @ TRACK
N.T.S



DISCUS CIRCLE FORM SYSTEM
N.T.S



SHOT PUT CIRCLE FORM SYSTEM
N.T.S

NOTE:
1) CONCRETE FOR THROWING RINGS SHALL BE 4,000 PSI
2) ALL THROWING RING SLABS SHALL BE SET ON MIN. 6" OF AGGREGATE BASE STONE
3) FOR DISCUSS CAGE SLAB, PROVIDE #4 REBAR DOWELS AT 24" ON CENTER AT INTERFACE OF FORM AND SURROUNDING SLAB.

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DESIGN DEVELOPMENT
03/15/2016
CAD DRAWING FILE: 89120.02-C12-DETAILS.dwg

Dover HS / CTC
Dover, NH
SYNTHETIC TURF FIELD AND TRACK DETAILS
SCALE: N.T.S. DRAWN BY: EC CHECKED BY: ERL

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-8.2
JOB NUMBER 89120.01

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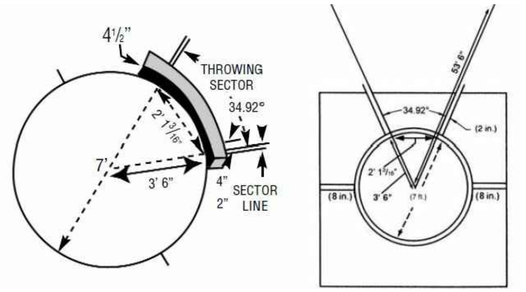
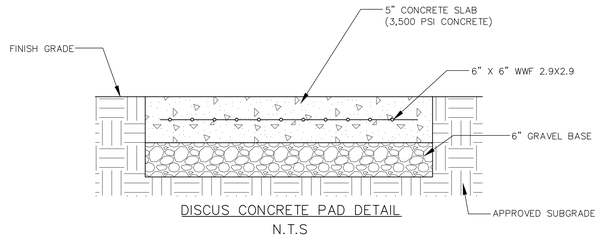


NOTE:

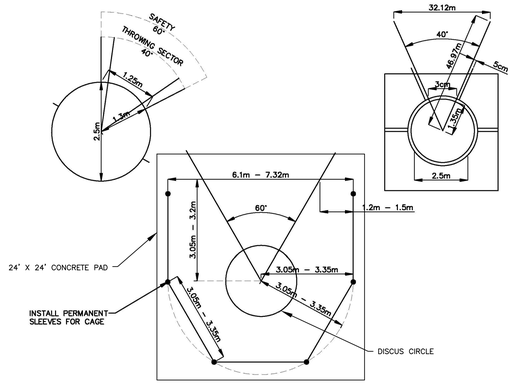
THE PUTTING CIRCLES SHALL HAVE AN INSIDE DIAMETER OF 7'. THE CIRCUMFERENCE SHALL BE MARKED WITH AN ALUMINUM BAND WHICH SHALL NOT RISE MORE THAN 3/4" ABOVE THE LEVEL OF THE CIRCLE. A CONCRETE SURFACE WITH A 1/64" ROUGHNESS IS RECOMMENDED.

A STOPBOARD, CONSTRUCTED OF FIBERGLASS OR ALUMINUM IN THE SHAPE OF AN ARC, SO THAT THE INNER EDGE COINCIDES WITH THE INNER EDGE OF THE CIRCLE, SHALL BE FIRMLY FIXED IN THIS POSITION. IT SHALL BE 4' IN LENGTH ALONG THE INSIDE SURFACE, 4" IN HEIGHT AND 4 1/2" IN WIDTH. THE INSIDE EDGE OF THE LINE OR BAND IS THE LIMIT OF THE PUTTING CIRCLE.

RADIAL LINES 2" WIDE SHALL EXTEND FROM THE CENTER OF THE CIRCLE THROUGH THE EXTREMITIES OF THE STOPBOARD AND CONTINUE OUT TO FROM AN AREA INTO WHICH LEGAL PUTS MUST BE MADE.



DISCUS CONCRETE PAD DETAIL
N.T.S



DISCUS CAGE PER ALUMINUM ATHLETIC EQUIPMENT NUMBER HSDC (INCLUDING BACK-UP NET BN-HSDC) OR APPR'D EQUAL

NOTE:

A 60° SECTOR SHALL BE MARKED ON THE GROUND AND DRAWN FROM THE CENTER OF THE THROWING CIRCLE. FROM THE CENTER OF THE CIRCLE, MARK ONE SECTOR LINE. TO ESTABLISH THE OTHER SECTOR LINE, USE THE POINT OF INTERSECTION OF THE FIRST SECTOR LINE AND THE INSIDE EDGE OF THE THROWING CIRCLE AND STRIKE AN ARC WITH A RADIUS OF 4'-1.25", SO THAT IT INTERSECTS THE CIRCLE. FROM THE CENTER OF THE DISCUS CIRCLE AND THROUGH THIS POINT, CONSTRUCT THE SECOND SECTOR LINE.

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SYNTHETIC TURF FIELD AND TRACK DETAILS
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REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
C-8.3
JOB NUMBER 89120.01

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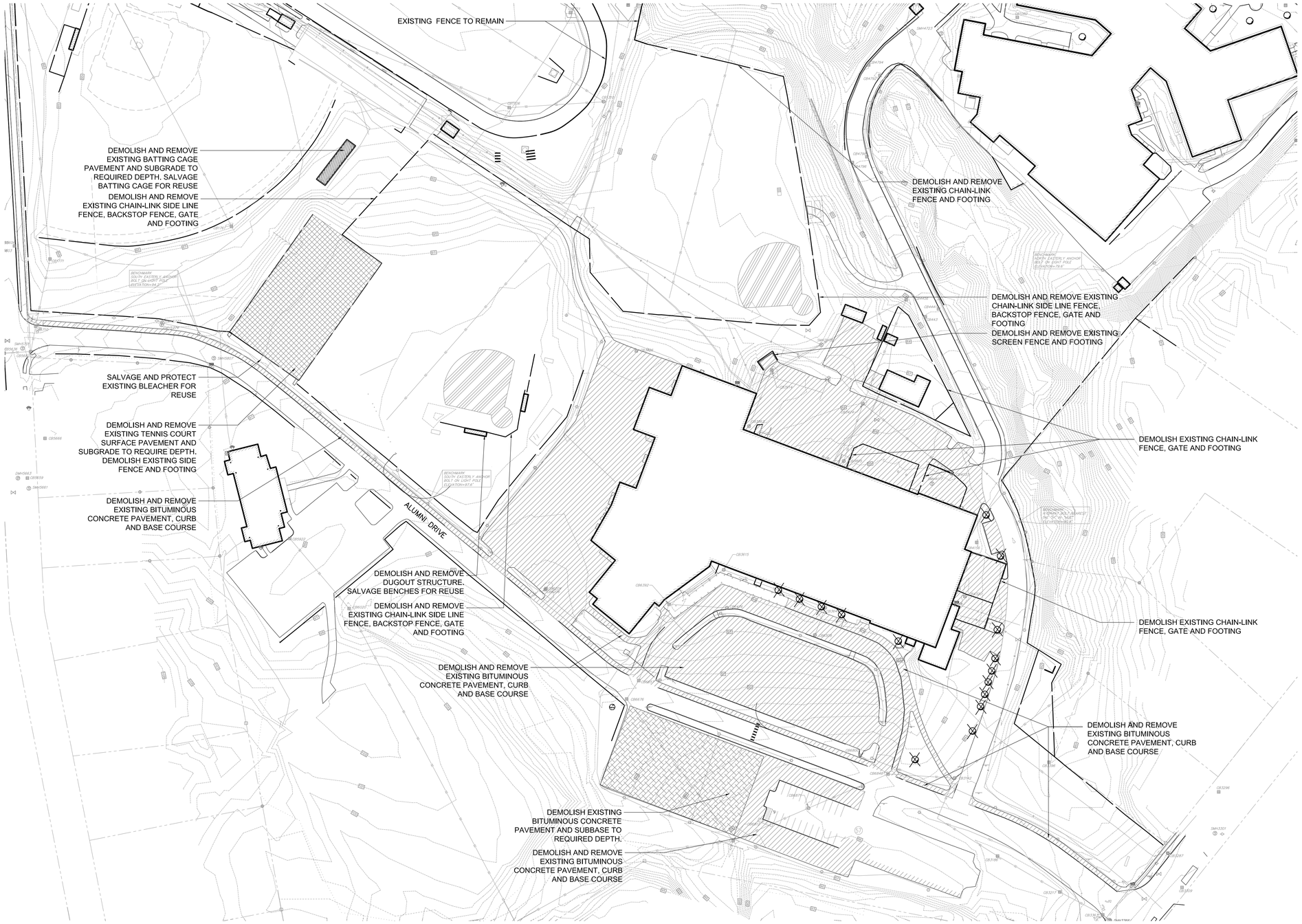


SITE PREPARATION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A THOROUGH SITE EXAMINATION TO DETERMINE THE EXTENT OF DEMOLITION NECESSARY TO PREPARE THE SITE FOR CONSTRUCTION AND SHALL VERIFY ITEMS TO BE DEMOLISHED OR SALVAGED WITH THE OWNER PRIOR TO BEGINNING WORK.

2. CARE SHALL BE TAKEN NOT TO DAMAGE ITEMS DESIGNATED TO REMAIN OR DESIGNATED TO BE SALVAGED; REPAIR OR REPLACEMENT OF DAMAGED ITEMS THEREBY DESIGNATED SHALL BE AT THE CONTRACTOR'S EXPENSE.

3. DISPOSAL OF ITEMS DESIGNATED TO BE REMOVED SHALL CONFORM TO APPLICABLE LAWS AND REGULATIONS. SALVAGEABLE MATERIAL SHALL BE DELIVERED BY THE CONTRACTOR TO STORAGE AREAS NEAR THE ON-SITE MAINTENANCE YARD/ STAGING AREA AS DESIGNATED BY THE OWNER. A PLAN INDICATING STAGING AREAS INCLUDING: STOCKPILING MATERIALS, MAINTENANCE YARD, STORAGE AREA, AND DELIVERIES, SHALL BE SUBMITTED TO THE OWNER AND DESIGNER FOR APPROVAL PRIOR TO BEGINNING WORK.

4. REFER TO SITE UTILITY PLANS FOR UTILITY SITE PREPARATION AND DEMOLITION INFORMATION. VERIFY ALL UTILITY LOCATIONS PRIOR TO EXCAVATION. REPORT DISCREPANCIES OR CONFLICTS IN WRITING TO THE DESIGNER AND RECEIVE INSTRUCTIONS PRIOR TO PROCEEDING.

5. CONTRACTOR IS RESPONSIBLE TO REPAIR DAMAGE DUE TO CONSTRUCTION OPERATIONS INSIDE AND OUTSIDE THE LIMIT OF WORK LINE. EACH ITEM TO BE REMOVED HAS BEEN SPECIFICALLY NOTED.

6. REMOVE EXISTING BITUMINOUS CONCRETE PAVEMENT, CONCRETE PAVEMENT, AND CURBS.

SITE PREPARATION LEGEND

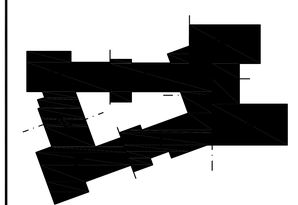
SYM.	DESCRIPTION
	REMOVE AND REMOVE EXISTING SOFTBALL INFIELD MIX AND SUBGRADE TO REQUIRED DEPTH
	DEMOLISH AND REMOVE EXISTING BITUMINOUS CONCRETE PAVEMENT, CURB, AND BASE COURSE
	DEMOLISH AND REMOVE EXISTING TENNIS COURT SURFACE PAVEMENT AND SUBGRADE TO REQUIRE DEPTH. DEMOLISH EXISTING SIDE FENCE AND FOOTING
	DEMOLISH AND REMOVE EXISTING FENCE AND FOOTING

TREE PROTECTION AND REMOVAL LEGEND

SYM.	DESCRIPTION
	REMOVE EXISTING TREE AND ROOT SYSTEM

0 60 120 FEET

KEYPLAN



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SITE PREPARATION PLAN

SCALE: 1"=60' DRAWN BY: IL/FD CHECKED BY: CK

DRAWING NUMBER
L1.0

JOB NUMBER

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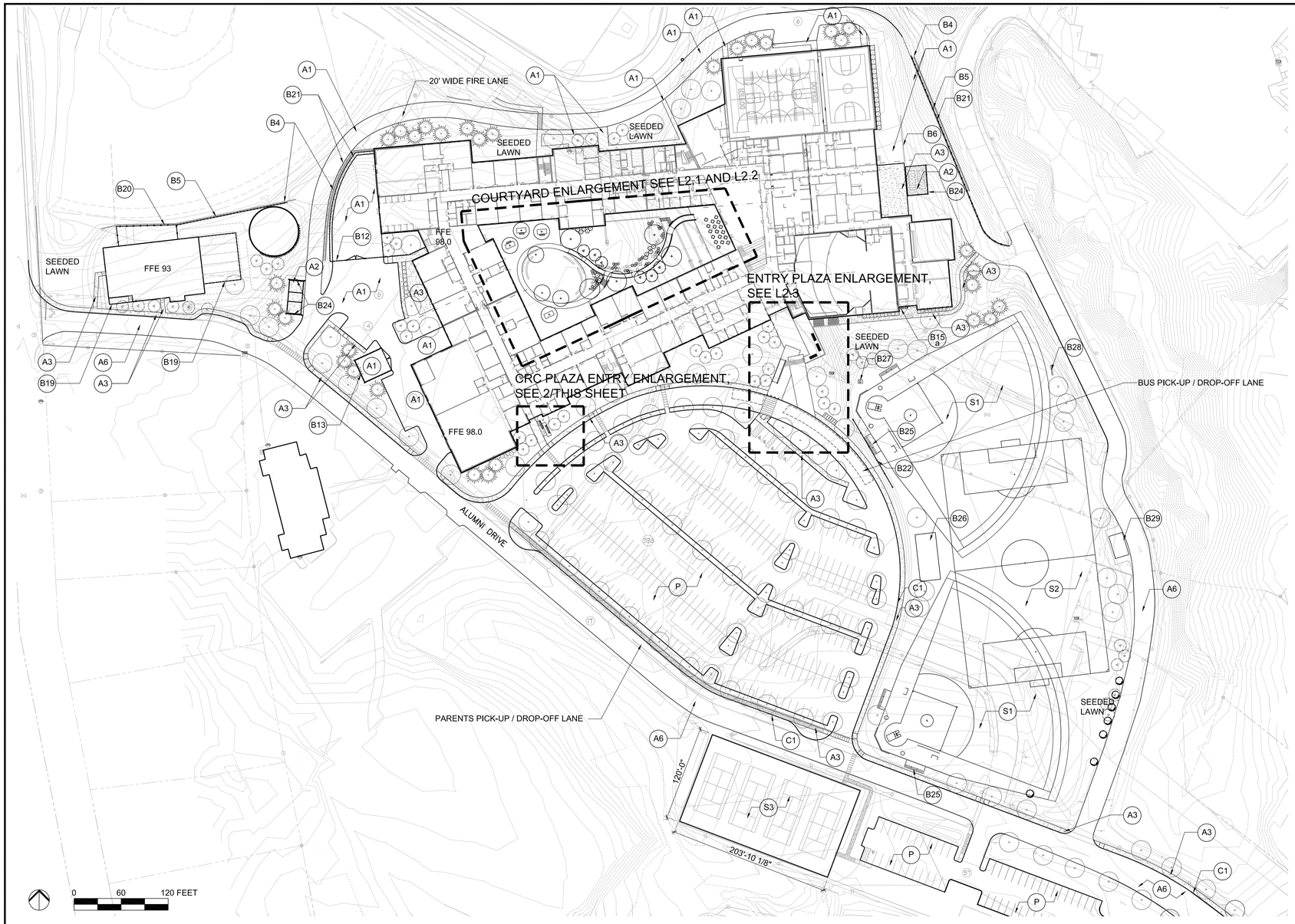
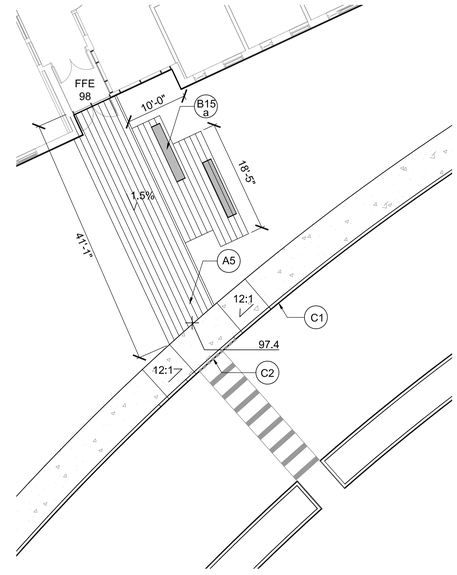


1 SITE PLAN
SCALE: 1"=60'-0"



2 CRC ENTRY PLAZA ENLARGEMENT
SCALE: 1"=10'-0"

MATERIALS NOTES

1. CONTRACTOR SHALL SUPPLY SUBMITTALS FOR ALL MATERIALS AS REQUIRED IN THE CONTRACT DOCUMENTS PRIOR TO PROCUREMENT OF ANY MATERIALS.
2. SHOP DRAWINGS FOR CURBING, STAIRS, WALLS, AND PAVEMENT SHALL BE BASED ON FIELD MEASUREMENT AND LAYOUT VERIFICATION BY THE CONTRACTOR.
3. EXPANSION JOINT FILLER AND SEALANT SHALL BE PLACED WHERE PAVEMENT MEETS CURBING, WALLS, OR OTHER VERTICAL ELEMENTS, INCLUDING LIGHT BASES, HYDRANTS, BUILDINGS AND BUILDING COLUMNS, WALLS, AND OTHER CONDITIONS AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL REQUEST THE PRESENCE OF THE ARCHITECT TO REVIEW THE LAYOUT OF EXPANSION JOINTS PRIOR TO PLACING FINISHED WORK.

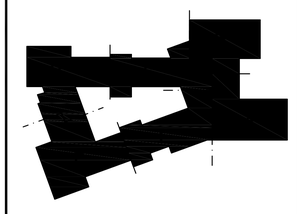
MATERIALS LEGEND

SYM.	DESCRIPTION
A1	BITUMINOUS CONCRETE PAVING
A2	CONCRETE PAVING - VEHICULAR
A3	CONCRETE PAVING - PEDESTRIAN
A4	INTEGRAL COLORED CONCRETE PAVING - PEDESTRIAN
A5	PRECAST CONCRETE PAVERS
A6	EXISTING ROADWAY, SEE CIVIL DRAWINGS
B1	CONCRETE PAVING RAMP (1:12) WITH CONTINUOUS STAINLESS STEEL HANDRAIL
B2	GRANITE SEAT WALL - 18" HT MAX
B3	GRANITE STAIRS WITH STAINLESS STEEL HANDRAILS
B4	RETAINING WALL - MORTARLESS INTERLOCKING BLOCK WALL
B5	METAL GUARDRAIL - 42" HT
B6	CAST-IN-PLACE CONCRETE RETAINING WALL
B7	TREE PIT
B8	MOVABLE TABLE AND CHAIRS
B9	CAST-IN-PLACE CONCRETE STAIRS WITH STAINLESS STEEL HANDRAILS
B10	BOULDER
B11 a	GABION WALL WITH WOOD SLAT BENCH ON TOP - RETAINING
B11 b	GABION WALL WITH WOOD SLAT BENCH ON TOP - FREE STANDING
B12	6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' DOUBLE GATE
B13	6'H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' DOUBLE GATE
B14	BIKE RACKS
B15 a / B15 b	BENCH -118" L
B16	BENCH - 6' L
B17	RIVER STONE
B18	CAST-IN-PLACE CONCRETE RETAINING WALL WITH FORMLINER FINISH
B19	6' H BLACK VINYL CLAD CHAIN LINK FENCE
B20	6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH NETTING ON TOP (SMALLER OPENING)
B21	VEHICULAR GUARDRAIL, SEE CIVIL DWG
B22	40' H BALL STOPPER NETTING AND POSTS (1 ¾" OPENING)
B23	BOLLARD
B24	WOOD SCREEN FENCE
B25	BENCH AT DUGOUT
B26	DOUBLE BATTING CAGE WITH STONE DUST
B27	DRINKING FOUNTAIN
B28	SCORE BOARD
B29	STORAGE SHED
C1	6" GRANITE CURB
C2	FLUSH 6" GRANITE CURB
S1	SOFTBALL FIELD WITH 16' H BACKSTOP
S2	SOCCER FIELD WITH IRRIGATION
S3	TENNIS COURT WITH 10'H CHAIN LINK FENCE
P	PARKING LOT

PLANTING MATERIALS LEGEND

- DECIDUOUS TREE - 4" -4 ½" CAL.
- EVERGREEN TREE - 12' -14' HT.
- FLOWERING TREE - MULTI-STEMMED 12' -14' HT.

KEYPLAN



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OVERALL MATERIALS PLAN
SCALE: 1"=60' DRAWN BY: IL/FD CHECKED BY: CK

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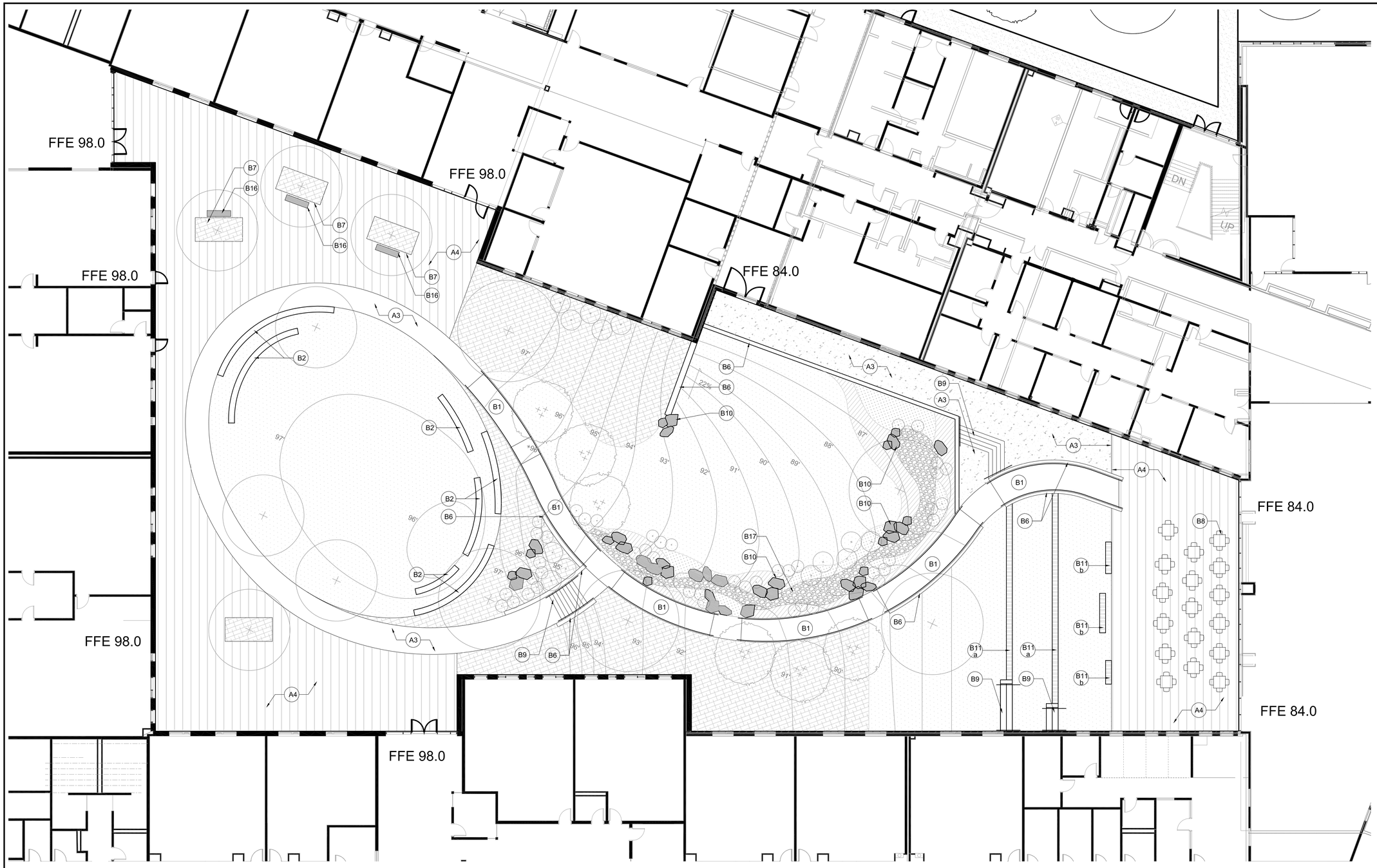


MATERIALS LEGEND

SYM.	DESCRIPTION
A1	BITUMINOUS CONCRETE PAVING
A2	CONCRETE PAVING - VEHICULAR
A3	CONCRETE PAVING - PEDESTRIAN
A4	INTEGRAL COLORED CONCRETE PAVING - PEDESTRIAN
A5	PRECAST CONCRETE PAVERS
A6	EXISTING ROADWAY, SEE CIVIL DRAWINGS

SYM.	DESCRIPTION
B1	CONCRETE PAVING RAMP (1:12) WITH CONTINUOUS STAINLESS STEEL HANDRAIL
B2	GRANITE SEAT WALL - 18" HT MAX
B3	GRANITE STAIRS WITH STAINLESS STEEL HANDRAILS
B4	RETAINING WALL - MORTARLESS INTERLOCKING BLOCK WALL
B5	METAL GUARDRAIL - 42" HT
B6	CAST-IN-PLACE CONCRETE RETAINING WALL
B7	TREE PIT
B8	MOVABLE TABLE AND CHAIRS
B9	CAST-IN-PLACE CONCRETE STAIRS WITH STAINLESS STEEL HANDRAILS
B10	BOULDER
B11 a	GABION WALL WITH WOOD SLAT BENCH ON TOP - RETAINING
B11 b	GABION WALL WITH WOOD SLAT BENCH ON TOP - FREE STANDING

SYM.	DESCRIPTION
B12	6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' DOUBLE GATE
B13	6'H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' DOUBLE GATE
B14	BIKE RACKS
B15 a / B15 b	BENCH -118" L
B16	BENCH - 6' L
B17	RIVER STONE
B18	CAST-IN-PLACE CONCRETE RETAINING WALL WITH FORMLINER FINISH
B19	6' H BLACK VINYL CLAD CHAIN LINK FENCE
B20	6' H BLACK VINYL CLAD CHAIN LINK FENCE WITH NETTING ON TOP (SMALLER OPENING)
B21	VEHICULAR GUARDRAIL, SEE CIVIL DWG
B22	40" H BALL STOPPER NETTING AND POSTS (1 3/4" OPENING)
B23	BOLLARD

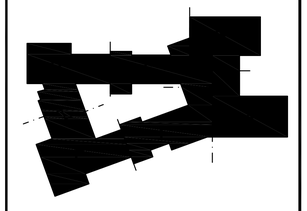
PLANTING MATERIALS LEGEND

- SOD AT COURTYARD
- PLANTING AREA**
- STORMWATER MANAGEMENT PLANTING
- DECIDUOUS TREE - 4" -4 1/2" CAL.
- EVERGREEN TREE - 12' -14' HT.
- FLOWERING TREE - MULTI-STEMMED 12' -14' HT.
- SHRUB 24"-36" HT

** PLANTING AREAS INCLUDE THE FOLLOWING PLANTING MATERIALS, SEE PLANTING PLAN FOR DETAIL:
1. 30% EVERGREEN SHRUBS / 40% DECIDUOUS SHRUBS: 24" - 30" HEIGHT, SPACED 24" - 30" O.C., PLANTED IN 18" DEPTH OF PLANTING SOIL MIX.
2. 20% PERENNIALS: 1 GALLON SIZE CONTAINERS, PLANTED AT 12" - 18" O.C., PLANTED IN 12" DEPTH OF PLANTING SOIL MIX.
3. 10% GROUNDCOVERS: 6" - 8" O.C., PLANTED IN 12" DEPTH OF PLANTING SOIL MIX.

0 10 20 FEET

KEYPLAN



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COURTYARD ENLARGEMENT MATERIAL PLAN

SCALE: 1"=10' DRAWN BY: TL/FD CHECKED BY: CK

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER L2.1

JOB NUMBER

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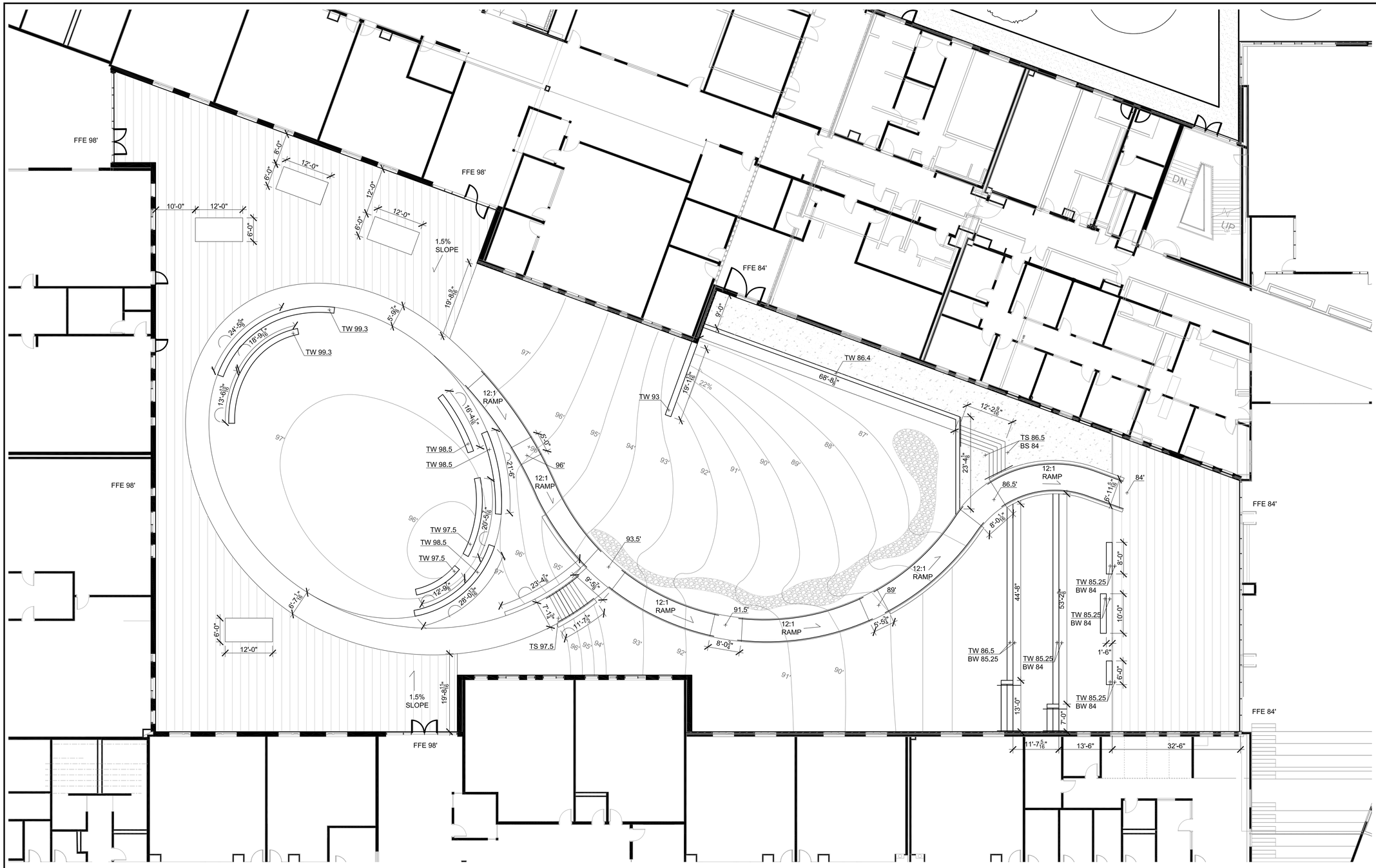


GRADING LEGEND

TW	TOP OF WALL ELEVATION
BW	BOTTOM OF WALL ELEVATION
TC	TOP OF CURB ELEVATION
TS	BOTTOM OF CURB ELEVATION
TS	TOP OF STAIR ELEVATION
BS	BOTTOM OF STAIR ELEVATION
+ XX.XX	PROPOSED SPOT ELEVATION
+ (XX.XX)	EXISTING SPOT ELEVATION

GENERAL GRADING NOTES

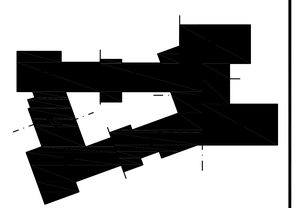
1. REVIEW DRAWINGS TO DETERMINE THE TOTAL SCOPE AND COORDINATION OF WORK. EMPLOY A LICENSED SURVEYOR OR REGISTERED CIVIL ENGINEER TO VERIFY AND LAY OUT GRADES, LINES, AND DIMENSIONS SHOWN ON DRAWINGS. VERIFY EXISTING GRADES AND ELEVATIONS OF ADJACENT SITE CONDITIONS WITH ELEVATIONS ON DRAWINGS PRIOR TO BEGINNING WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPORT DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY AND RECEIVE WRITTEN INSTRUCTIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. GRADE EVENLY BETWEEN SPOT GRADES AS NOTED.
3. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE INSIDE OR OUTSIDE OF THE LIMIT OF WORK LINE DUE TO THEIR CONSTRUCTION OPERATIONS.
4. USE ONE SINGLE BENCHMARK FOR WORK.
5. THE CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION OF ANY TYPE.
6. EXCAVATE BY HAND IN CLOSE PROXIMITY TO EXISTING UTILITIES, BUILDINGS, AND STRUCTURES.
7. RIM ELEVATIONS OF ANY EXISTING DRAINAGE AND UTILITY STRUCTURES SHALL BE FLUSH WITH FINAL SURROUNDING GRADES SO NOT TO CAUSE A TRIP EDGE.
8. FINAL SHAPING OF EARTHWORK SHALL BE APPROVED IN THE FIELD BY LANDSCAPE ARCHITECT AND OWNER. LANDSCAPE ARCHITECT TO REVIEW AND APPROVE ROUGH GRADING BEFORE THE CONTRACTOR COMMENCES FINE GRADING AND LAYING OF PLANTING SOILS.
9. PITCH PAVEMENT TO PROVIDE POSITIVE DRAINAGE.
10. PAVEMENT CROSS PITCH SHALL NOT BE GREATER THAN 1.9% OR LESS THAN 0.75%.
11 MEET EXISTING CONDITIONS FOR GRADING AT PROJECT LIMIT LINE SMOOTHLY.

LAYOUT NOTES

1. EXISTING CONDITIONS BASED UPON FIELD SURVEY PROVIDED BY CHA COMPANIES, NORWELL, MA, PH-781-982-5400.
2. EMPLOY LICENSED SURVEYOR TO VERIFY AND LAYOUT GRADES, LINES AND DIMENSIONS. REPORT DISCREPANCIES TO OWNER OR ENGINEER PRIOR TO COMMENCING WORK.
3. LINES ARE PARALLEL OR PERPENDICULAR TO LINES FROM WHICH THEY ARE MEASURED, UNLESS OTHERWISE NOTED.
4. DIMENSIONS ARE TO WALL FACE, CURB FACE, PAVEMENT EDGE, EDGE OR CENTERLINE OF IMPROVEMENT OR AS OTHERWISE NOTED.
5. PROVIDE CONTINUOUS CONSTRUCTION JOINT WHEREVER EXTERIOR CONCRETE PAVING ABUTS BUILDING, CURBS, WALLS AND OTHER SITE IMPROVEMENTS.
6. STAKE PROPOSED SITE ELEMENT LOCATIONS, ELEVATIONS, AND CENTER LINES FOR OWNER'S OR ENGINEER'S APPROVAL PRIOR TO INSTALLATION OF SITE ELEMENTS.

0 10 20 FEET

KEYPLAN



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COURTYARD ENLARGEMENT
LAYOUT AND GRADING PLAN

SCALE: 1"=10' DRAWN BY: IL/FD CHECKED BY: CK

DRAWING NUMBER
L2.2

JOB NUMBER

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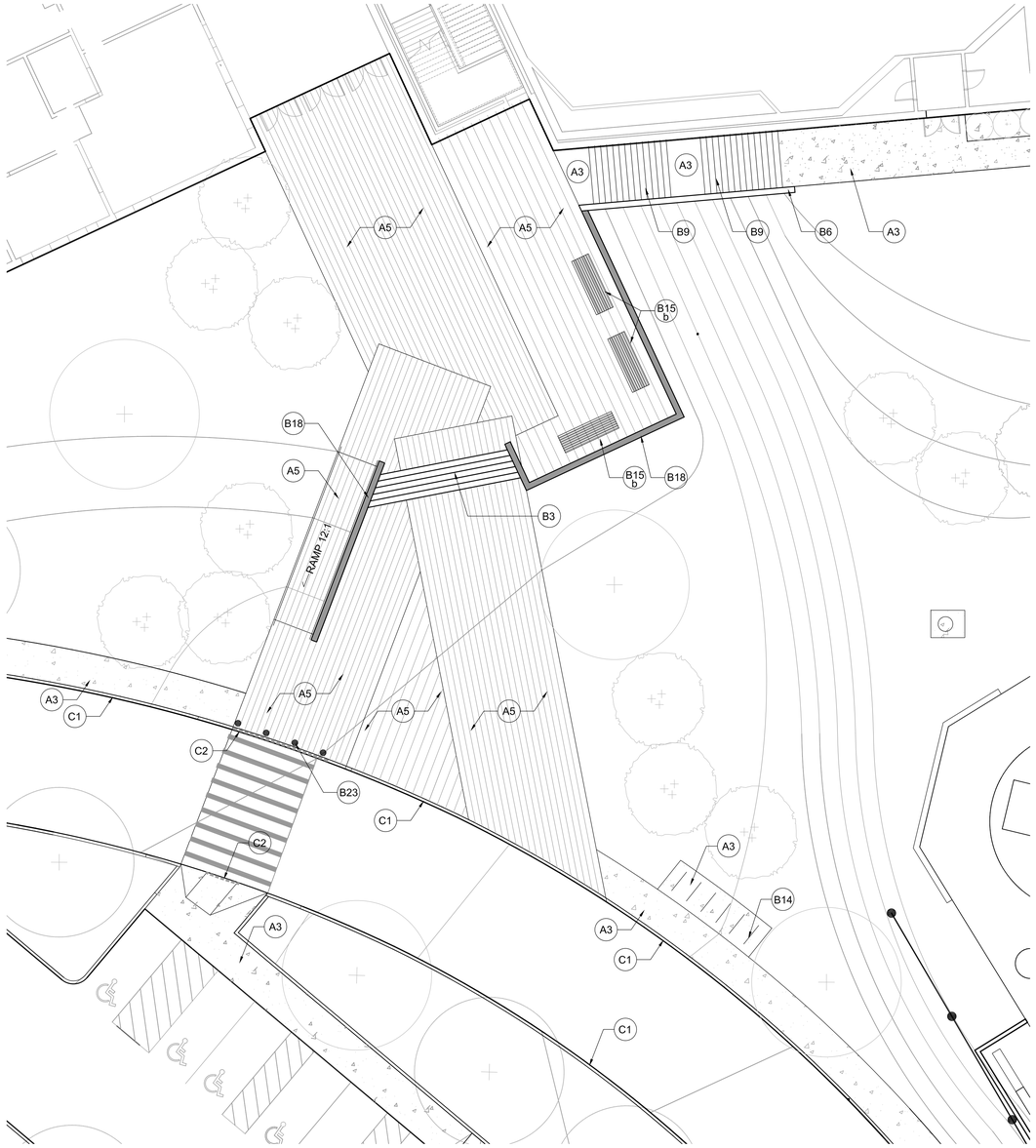
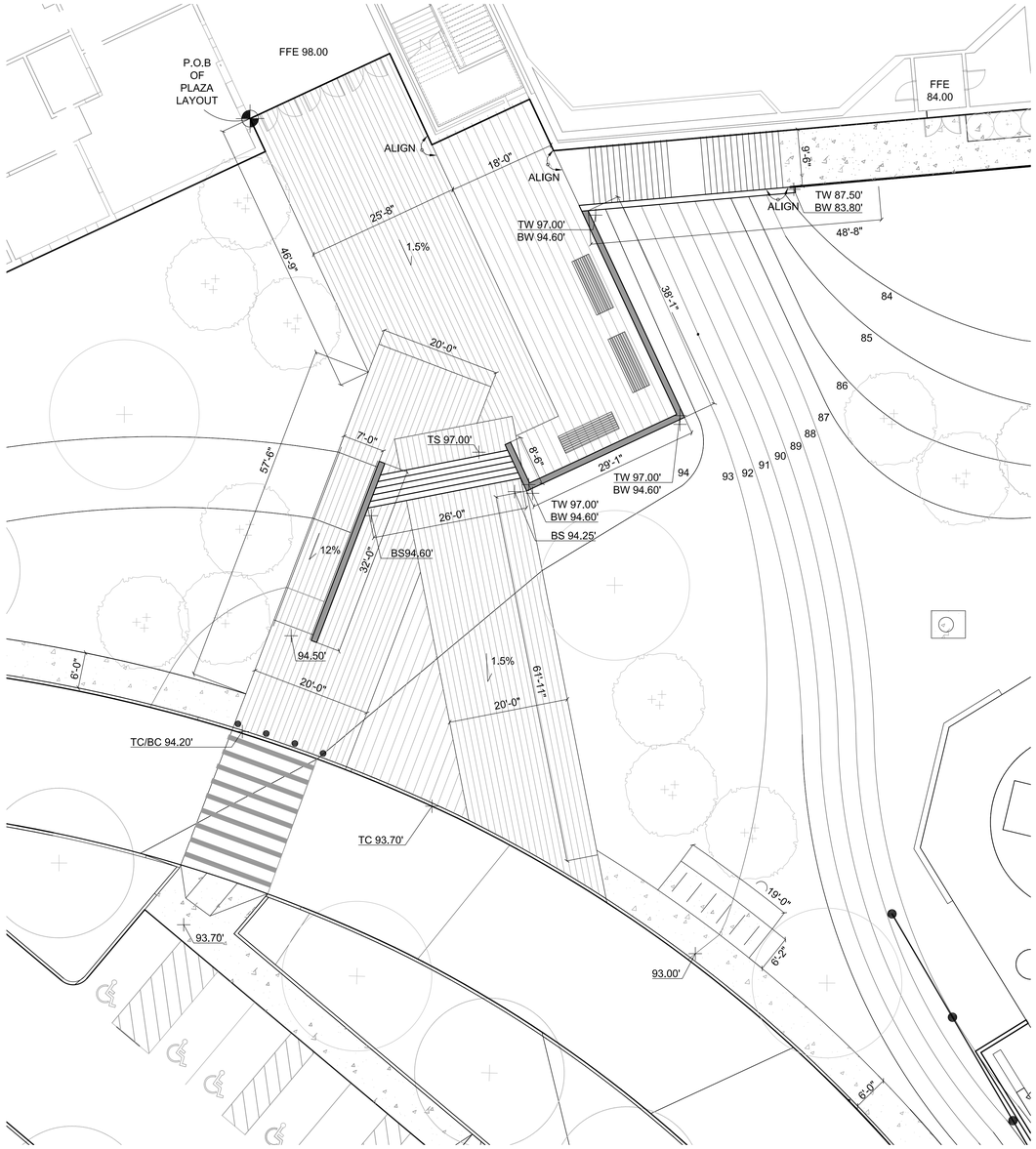


1 MATERIALS PLAN
SCALE: 1"=10'-0"



2 LAYOUT & GRADING PLAN
SCALE: 1"=10'-0"

MATERIALS LEGEND

SYM.	DESCRIPTION
A1	BITUMINOUS CONCRETE PAVING
A2	CONCRETE PAVING - VEHICULAR
A3	CONCRETE PAVING - PEDESTRIAN
A4	INTEGRAL COLORED CONCRETE PAVING - PEDESTRIAN
A5	PRECAST CONCRETE PAVER
A6	EXISTING ROADWAY, SEE CIVIL DRAWINGS
B1	CONCRETE PAVING RAMP (1:12) WITH CONTINUOUS STAINLESS STEEL HANDRAIL
B2	GRANITE SEAT WALL - 18" HT MAX
B3	GRANITE STAIRS WITH STAINLESS STEEL HANDRAILS
B4	RETAINING WALL - MORTARLESS INTERLOCKING BLOCK WALL, BY OTHERS
B5	METAL GUARDRAIL - 42" HT
B6	CAST-IN-PLACE CONCRETE RETAINING WALL
B7	TREE PIT
B8	MOVABLE TABLE AND CHAIRS
B9	CAST-IN-PLACE CONCRETE STAIRS WITH STAINLESS STEEL HANDRAILS
B10	BOULDER
B11	GABION WALL WITH WOOD SLAT ON TOP
B12	6'H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' ROLLING GATE AND (2) 30" HINGE GATES
B13	6'H BLACK VINYL CLAD CHAIN LINK FENCE WITH 12' ROLLING GATE
B14	BIKE RACKS
B15 a / B15 b	BENCH -118'L
B16	BENCH - 6'L
B17	RIVER STONE
B18	CAST-IN-PLACE CONCRETE RETAINING WALL WITH FORMLINER FINISH
B19	6'H BLACK VINYL CLAD CLF
B20	6'H BLACK VINYL CLAD CLF WITH ON TOP SMALLER OPENING
B21	VEHICULAR GUARDRAIL, SEE CIVIL DWG
B22	40'H BALL STOPPER NETTING AND POSTS (1 3/4" OPENING)
B23	BOLLARD
B24	WOOD SCREEN FENCE
B25	BENCH AT DUGOUT
B26	DOUBLE BATTING CAGE WITH STONE DUST
B27	DRINKING FOUNTAIN
B28	SCORE BOARD
B29	STORAGE SHED
C1	GRANITE CURB - 6" REVIVAL
C2	FLUSH GRANITE CURB
S1	SOFTBALL FIELD WITH 16' H BACKSTOP WITH IRRIGATION
S2	SOCCER FIELD WITH IRRIGATION
S3	TENNIS COURT WITH 10'H FENCE
P	PARKING LOT

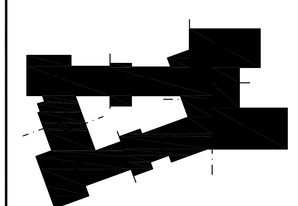
PLANTING MATERIALS LEGEND

- DECIDUOUS TREE - 4" -4 1/2" CAL.
- EVERGREEN TREE - 12' -14' HT.
- FLOWERING TREE - MULTI-STEMMED 12' -14' HT.

GRADING LEGEND

TW	TOP OF WALL ELEVATION	TS	TOP OF STAIR ELEVATION
BW	BOTTOM OF WALL ELEVATION	BS	BOTTOM OF STAIR ELEVATION
TC	TOP OF CURB ELEVATION	+ (XX.XX)	EXISTING SPOT ELEVATION
BC	BOTTOM OF CURB ELEVATION	+ XX.XX	PROPOSED SPOT ELEVATION

KEYPLAN



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HALVORSON DESIGN PARTNERSHIP
LANDSCAPE ARCHITECTURE

100% DESIGN DEVELOPMENT
3/15/2016

ENTRY PLAZA ENLARGEMENT

SCALE: 1"=60' DRAWN BY: IL/FD CHECKED BY: CK

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
L2.3

JOB NUMBER

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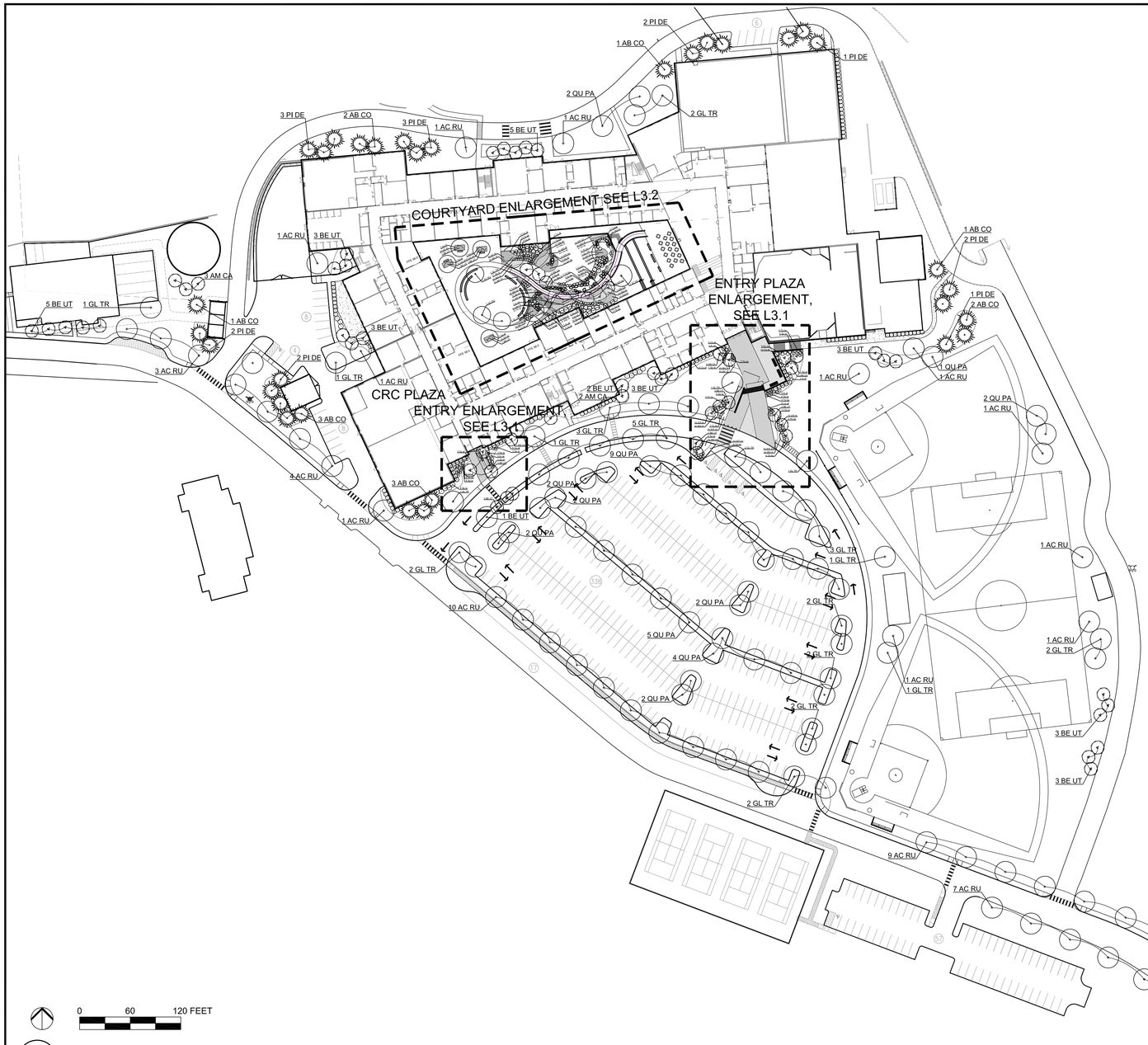
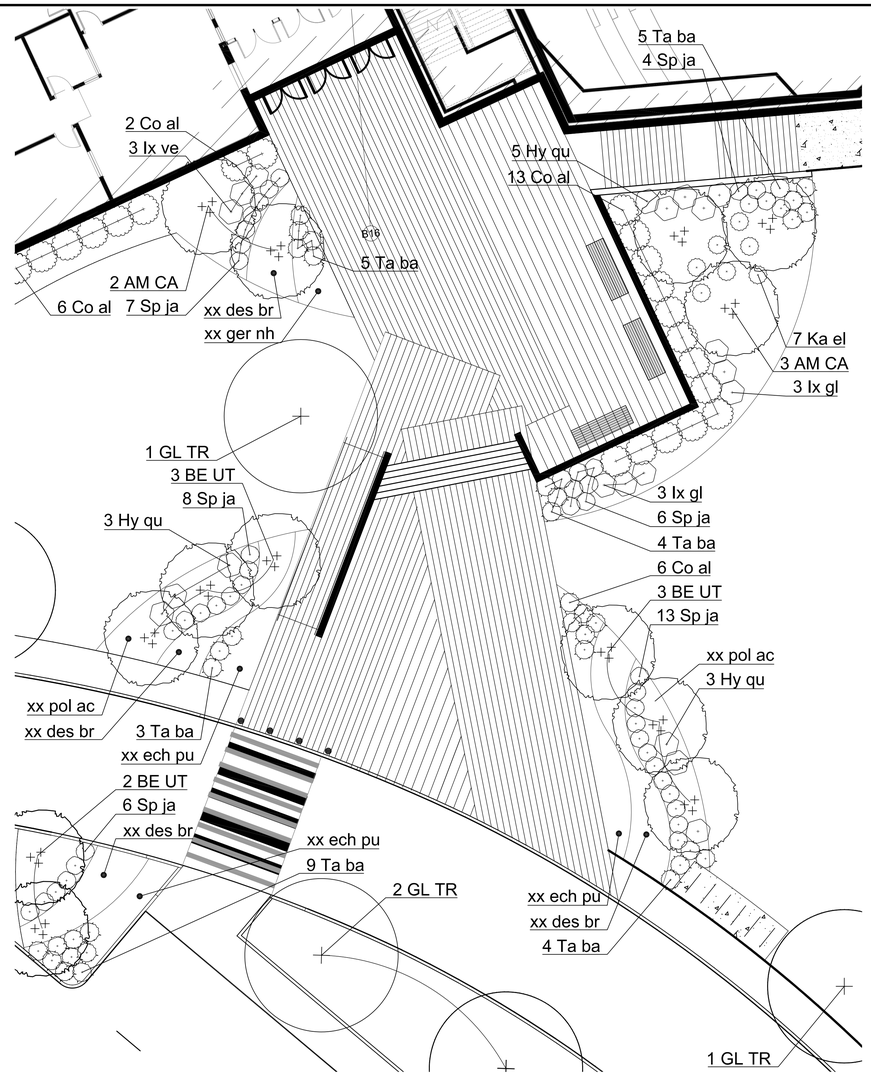
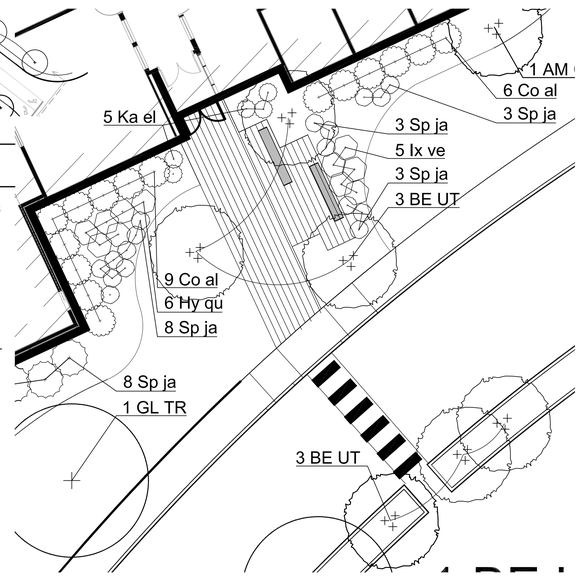


1 SITE PLAN
SCALE: 1"=60'-0"



2 ENTRY PLAZA ENLARGEMENT
SCALE: 1"=10'-0"



3 CRC PLAZA ENLARGEMENT
SCALE: 1"=10'-0"

PLANTING LEGEND

SYMBOL	QNTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
TREES						
	XX	AB CO	Abies concolor	White Fir	10-12' Ht.	B&B
	XX	AC RU	Acer rubrum 'October Glory'	October Glory Red Maple	3-3.5" Cal.	B&B; matched
	XX	AM CA	Amelanchier canadensis 'Autumn Brilliance'	Autumn Brilliance Serviceberry	8-10' Ht	3 - 5 stems
	XX	BE UT	Betula utillis 'Jacquemontii'	Himalayan White Birch	10-12' Ht	multistem
	XX	GL TR	Gleditsia triacanthos 'Skyline'	Skyline Honeylocust	3-3.5" Cal.	B&B; matched
	XX	QU PA	Quercus palustris	Pin Oak	3-3.5" Cal.	B&B; matched
	XX	PI DE	Picea glauca 'Densata'	Black Hills Spruce	8-10' Ht.	B&B; matched
SHRUBS						
	XX	Co al	Cornus alba 'Ivory Halo	Ivory Halo Red-Twig Dogwood	42-48" Ht.	B&B
	XX	Hy qu	Hydrangea quercifolia 'Pee Wee'	Pee Wee Oakleaf Hydrangea	24-30" Ht.	Cont.
	XX	Ix jd^	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry	30-36" Ht.	B&B
	XX	Ix rs	Ilex verticillata 'Red Sprite'	Red Sprite Winterberry	30-36" Ht.	B&B
	XX	Ka el	Kalmia latifolia 'Elf'	Elf Mountain Laurel	18-24" Ht.	B&B
	XX	Ka ol	Kalmia latifolia 'Olympic Fire'	Olympic Fire Mountain Laurel	42-48" Ht.	B&B
	XX	Sp ja	Spirea japonica 'Little Princess'	Little Princess Spirea	24-30" Ht.	Cont.
	XX	Ta ba	Taxus baccatta 'Repandens'	Spreading Yew	18-24" Ht.	Cont.
GRASSES, PERENNIALS & GROUNDCOVERS						
	XX	bap sp*	Baptisia 'Solar Flare Prairieblues'	Solar Flare False Indigo	1 Gal.	15" O.C.
	XX	bap sp*	Baptisia 'Starlite'	Starlight False Indigo	1 Gal.	15" O.C.
	XX	des ce	Deschampsia cespitosa 'Bronzeschleier'	Bronzeschleier Tufted Hair Grass	3 Gal.	24" O.C.
	XX	ech pu	Echinacea 'Cheyenne Spirit'	Cheyenne Spirit Purple Cone Flower	1 Gal.	15" O.C.
	XX	ger nh	Geranium 'New Hampshire Purple'	New Hampshire Purple Cranesbill	1 Gal.	15" O.C.
	XX	ger nh	Geranium 'New Hampshire Purple'	New Hampshire Purple Cranesbill	1 Gal.	15" O.C.
	XX	lla sp	Liatris spicata	Blazing Star	1 Gal.	15" O.C.
	XX	pan vi	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 Gal.	24" O.C.
	XX	pen di	Penstemon digitalis 'Husker Red'	Husker Red Beardtounge	1 Gal.	24" O.C.
	XX	pol ac	Polystichum acrostichoides	Christmas Fern	1 Gal.	24" O.C.

PLANTING NOTES

NOTES

1. LANDSCAPE ARCHITECT TO APPROVE PLANT MATERIAL PRIOR TO DELIVERY TO SITE.
2. PLANT MATERIAL SHALL CONFORM TO "THE AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
3. NO SUBSTITUTIONS OF PLANT SPECIES WITHOUT LANDSCAPE ARCHITECT'S WRITTEN APPROVAL.
4. SUBSTITUTIONS OF PLANT SPECIES SHALL BE A PLANT OF EQUIVALENT OVERALL FORM, HEIGHT AND BRANCHING HABIT, FLOWER, LEAF AND FRUIT, COLOR AND TIME OF BLOOM, AS APPROVED OF BY LANDSCAPE ARCHITECT.
5. LOCATE AND VERIFY UTILITY LINE LOCATIONS PRIOR TO STAKING AND REPORT CONFLICT TO LANDSCAPE ARCHITECT.
6. PLANTING DEMOLITION DEBRIS, GARBAGE, LUMPS OF CONCRETE, STEEL AND OTHER MATERIALS DELETERIOUS TO PLANT'S HEALTH AS DETERMINED BY LANDSCAPE ARCHITECT SHALL BE REMOVED FROM ALL PLANTING AREAS.
7. NO PLANTING TO BE INSTALLED BEFORE ACCEPTANCE OF ROUGH GRADING.
8. ALL PROPOSED TREE LOCATIONS SHALL BE STAKED OR LAID OUT IN THEIR APPROXIMATE LOCATION BY THE CONTRACTOR. REFER TO LAYOUT AND PLANTING SHEETS FOR LAYOUT INFORMATION. THE CONTRACTOR SHALL ADJUST THE LOCATIONS AS REQUESTED BY THE LANDSCAPE ARCHITECT TO ACCOUNT FOR SUBSURFACE UTILITIES AND OTHER FIELD CONDITIONS. FINAL LOCATIONS OF ALL PLANTS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
9. INSTALL PLANTS WITH ROOT FLARES FLUSH WITH FINISHED GRADE. IMMEDIATELY REPLANT PLANTS THAT SETTLE OUT OF PLUMB OR BELOW FINISHED GRADE.
10. PLANT UNDER FULL TIME SUPERVISION OF CERTIFIED ARBORIST, NURSERYMAN, OR LICENSED LANDSCAPE ARCHITECT. PROVIDE WRITTEN VERIFICATION OF CERTIFICATION AND/OR LICENSE FOR LANDSCAPE ARCHITECT'S APPROVAL.
11. WATER PLANTS THOROUGHLY AFTER INSTALLATION, A MINIMUM OF TWICE WITHIN THE FIRST 24 HOURS.
12. REPAIR DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF LIMIT OF WORK
13. SEE SHEET LX.X FOR PLANTING DETAILS

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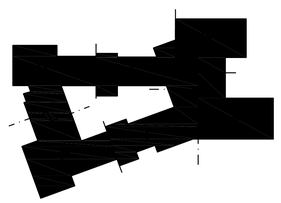
100% DESIGN DEVELOPMENT
3/15/2016

KEYPLAN



PLANTING PLAN
OVERALL SITE PLAN
SCALE: 1"=60' DRAWN BY: IL/FD CHECKED BY: CK

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
L3.1
JOB NUMBER

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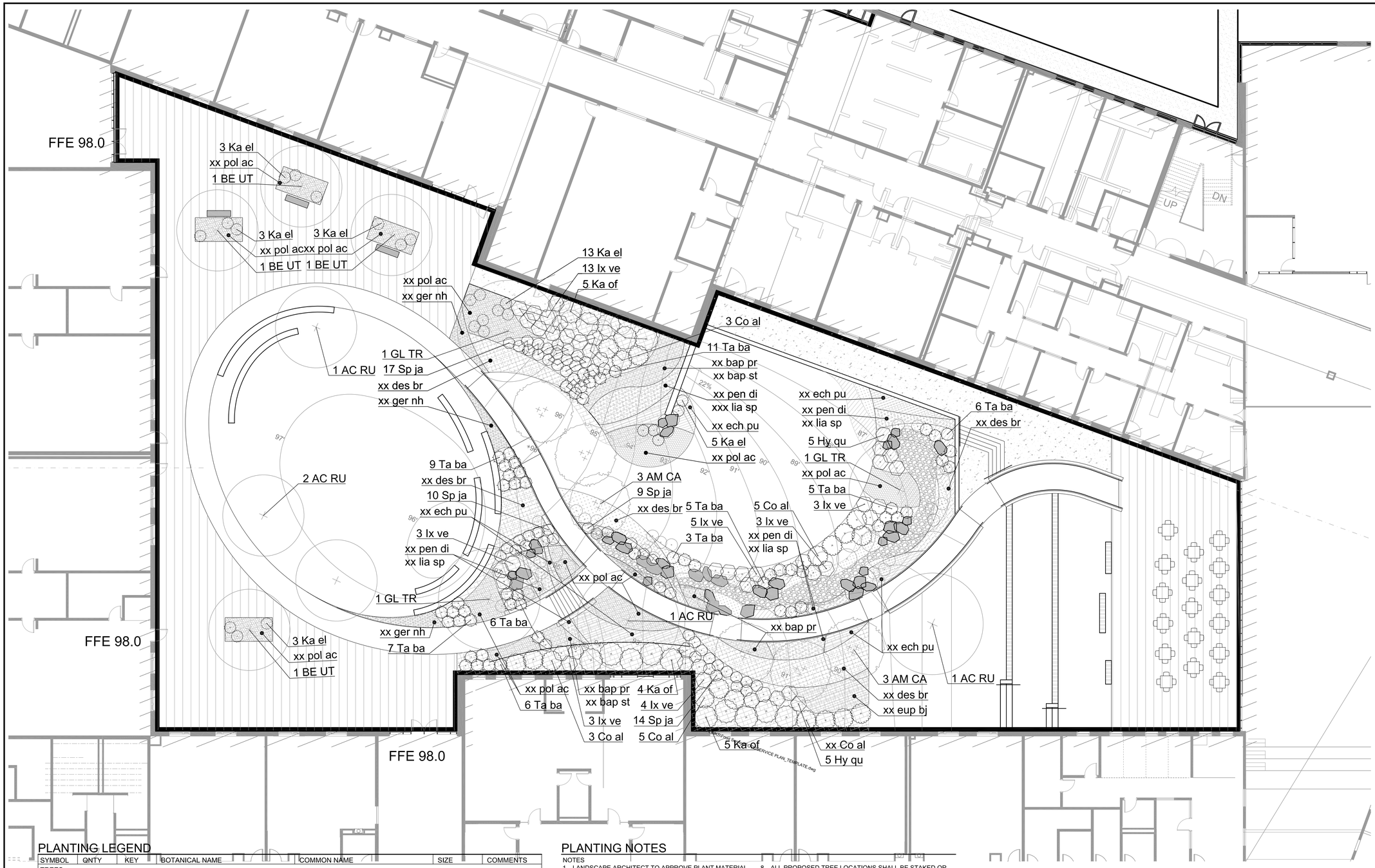

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	XX	QU PA	Quercus palustris	Pin Oak	3-3.5" Cal.	B&B; matched
	XX	PI DE	Picea glauca 'Densata'	Black Hills Spruce	8-10' Ht.	B&B; matched
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	XX	Sp ja	Spirea japonica 'Little Princess'	Little Princess Spirea	24-30" Ht.	Cont.
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	XX	ech pu	Echinacea 'Cheyenne Spirit'	Cheyenne Spirit Purple Cone Flower	1 Gal.	15" O.C.
	XX	ger nh	Geranium 'New Hampshire Purple'	New Hampshire Purple Cranesbill	1 Gal.	15" O.C.
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	XX	lia sp	Liatris spicata	Blazing Star	1 Gal.	15" O.C.
	XX	pan vi	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 Gal.	24" O.C.
	XX	pen di	Penstemon digitalis 'Husker Red'	Husker Red Beardtounge	1 Gal.	24" O.C.
	XX	pol ac	Polystichum acrostichoides	Christmas Fern	1 Gal.	24" O.C.

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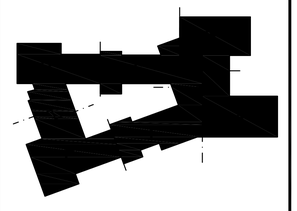
13. SEE SHEET LX.X FOR PLANTING DETAILS

0 10 20 FEET

KEYPLAN



REVISIONS NO. | DATE | REMARKS | BY

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120 Bishop Allen Drive
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HALVORSON DESIGN PARTNERSHIP
LANDSCAPE ARCHITECTURE

PLANTING PLAN - COURTYARD ENLARGEMENT

SCALE: 1"=10' DRAWN BY: IL/FD CHECKED BY: CK

DRAWING NUMBER L3.2

JOB NUMBER

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1 GABION SEAT WALL WITH WOOD SLAT ON TOP
SCALE: NTS

MODEL: 293 SERIES
SIZE: 40 3/8" X 32 1/8" X 6"
MATERIAL: STEEL WITH POLYESTER POWER COATING
COLOR: TBD

MANUFACTURER: DUMOR
ADDRESS: P.O. BOX 142 MIFFLINTOWN, PA 17059
TEL: 1 (800) 598 4018
WEBSITE: WWW.DUMOR.COM

2 BIKE RACK
SCALE: NTS

A

MODEL: R&R-6-3000
SIZE: 118" X 23" X 18"
MATERIAL: FSC HARDWOOD, GALVANIZED STEEL

MANUFACTURER: STREETLIFE
TEL: 1 646 583 2937
WEBSITE: WWW.STREETLIFE.NL/EN

B

MODEL: R&R-10-3000
SIZE: 118" X 39" X 18"
MATERIAL: FSC HARDWOOD, GALVANIZED STEEL

MANUFACTURER: STREETLIFE
TEL: 1 646 583 2937
WEBSITE: WWW.STREETLIFE.NL/EN

3 BENCH - 118"L
SCALE: NTS

MODEL: NEOLIVIANO BENCH
SIZE: 27" X 31" X 69"
MATERIAL: POWEDERED COATED METAL

MANUFACTURER: LANDSCAPE FORMS
ADDRESS: 7800 E. MICHIGAN AVE. KALAMAZOO, MI 49048
TEL: 1 (800) 430 6209
WEBSITE: WWW.LANDSCAPEFORMS.COM

4 BENCH - 6'L
SCALE: NTS

MODEL: PARC CENTRE TABLE
SIZE: 24" DIA, 30" H
MATERIAL: POWEDERED COATED METAL
COLOR: TBD

MODEL: CATENA CHAIR
MATERIAL: POWEDERED COATED METAL
COLOR: TBD

MANUFACTURER: LANDSCAPE FORMS
ADDRESS: 7800 E. MICHIGAN AVE. KALAMAZOO, MI 49048
TEL: 1 (800) 430 6209
WEBSITE: WWW.LANDSCAPEFORMS.COM

5 MOVABLE TABLE AND CHAIR
SCALE: NTS

MODEL: R-8902-FLANGED/SURFACE MOUNT
SIZE: 118" X 23" X 18"
MATERIAL: STAINLESS STEEL

MANUFACTURER: RELIANCE FOUNDRY
ADDRESS: 148 STREET, SURVEY BC V3S 7G7
TEL: 1 888 735 5680
WEBSITE: WWW.RELIANCE-FOUNDRY.COM

6 METAL BOLLARD
SCALE: NTS

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HALVORSON DESIGN PARTNERSHIP
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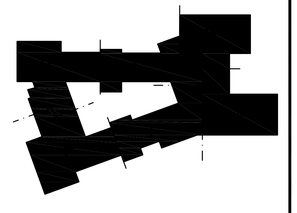
3/15/2016

KEYPLAN



DETAILS

SCALE: 1/8"=1'
DRAWN BY: TL/FD
CHECKED BY: CK

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
L4.1
JOB NUMBER

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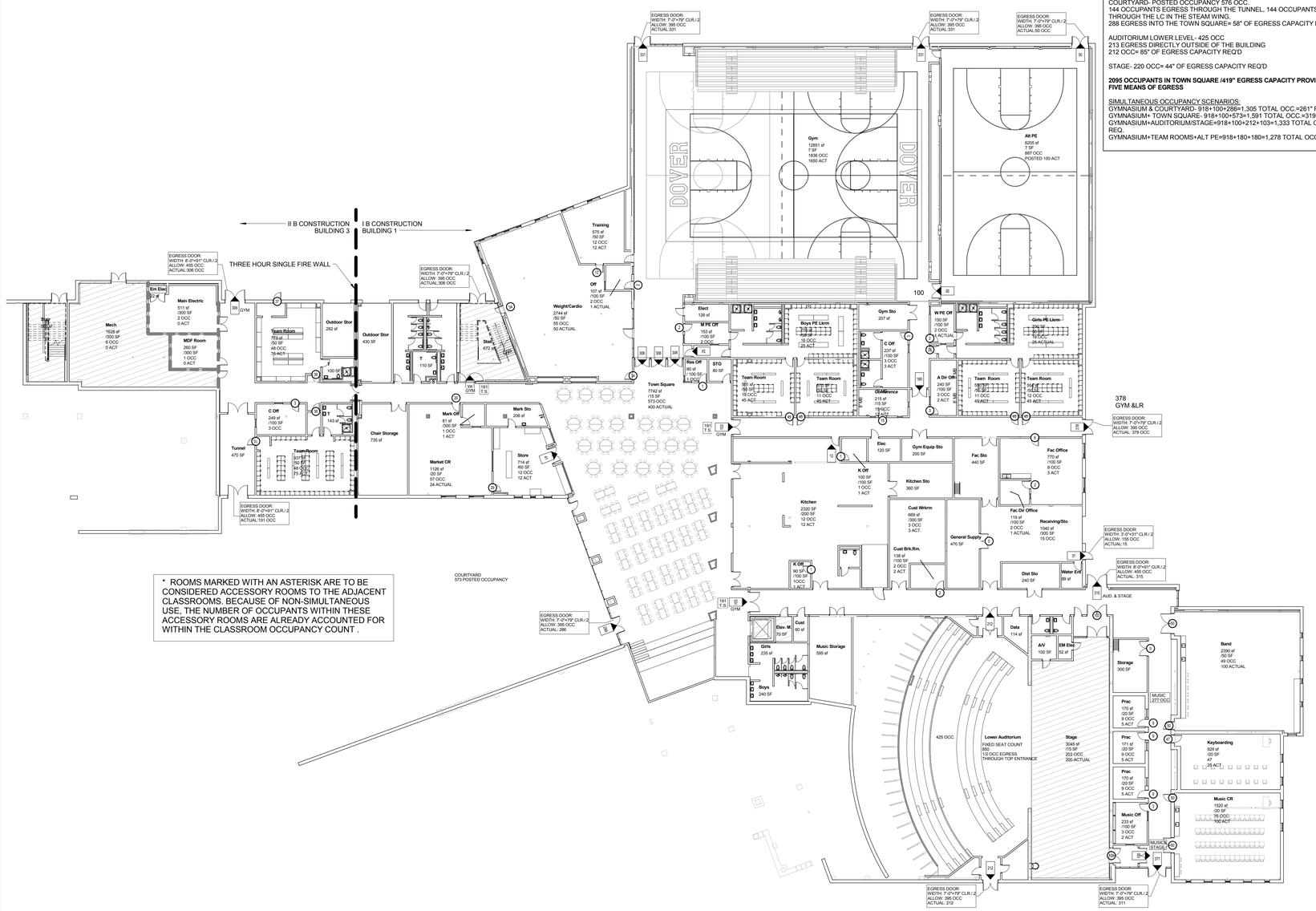
MASTER KEYNOTE LIST

033000	CAST-IN-PLACE CONCRETE
033000.02	CONCRETE FOUNDATION WALL
033000.05	CONCRETE SLAB ON METAL DECK
033000.10	CONCRETE FILL
033000.16	NOT USED
033000.25	COMPRESSIBLE FILLER
033000.26	EXPANSION JOINT-COMPRESSIBLE FILLER & SNAP CAP
033000.27	FLEXIBLE EPOXY JOINT SEALANT
033000.28	NOT USED
033000.35	SAWCUT CONTROL JOINT(S)
033650	CONCRETE FINISH
033650.01	CONCRETE STAIN
034500.01	PRECAST CONCRETE SILL
042000	UNIT MASONRY
042000.03	DECORATIVE CMU UNITS, SEE ELEVATIONS FOR COLOR/PATTERN
042000.04	FACE BRICK, SEE ELEVATIONS FOR COLOR/PATTERN
042000.13	SOLID MASONRY UNIT
042000.16	CONCRETE MASONRY UNIT(S)
042000.18	4" X 8" X 16" CENTER SCORED CMU
042000.21	2" X 8" X 16" CMU
042000.22	4" X 8" X 16" CMU
042000.23	6" X 8" X 16" CMU
042000.24	8" X 8" X 16" CMU
042000.26	BULLNOSE CMU
042000.28	CMU LINTEL BLOCK
042000.29	CMU BOND BEAM - CENTER SCORED
042000.32	4" X 8" X 16" ACOUSTICAL CMU
042000.42	SHEET METAL DRIP EDGE
042000.45	WEEP/VENT
042000.46	CAVITY DRAINAGE MATERIAL
042000.47	MASONRY TIE AND ANCHOR
042000.51	THROUGH-WALLSHEET METAL FLASHING
042000.55	MASTIC
042000.56	COMPRESSIBLE FILLER
042000.58	TERMINATION BAR
042000.59	GROUT SOLID
042000.60	SEALANT
042000.63	MORTAR BED - SLOPE TO POSITIVE DRAINAGE
042000.65	NON-SHRINK GROUT
042000.70	INSULATION RETAINER
042000.71	
042000.72	
051200	STRUCTURAL STEEL FRAMING
051200.01	STEEL COLUMN
051200.02	STEEL BEAM
051200.04	STEEL ANGLE
051200.05	STEEL CHANNEL
051200.06	STEEL TUBE
051200.07	STEEL PLATE
051200.08	STEEL BENT PLATE
051200.11	STEEL WT
051200.12	THERMAL ISOLATION BREAK WASHER/ PLATE
051200.14	THREADED ROD STUDS WITH NUT WASHER
051200.15	BOLT
051200.17	STEEL FRAMING, SEE STRUCTURAL DRAWINGS
051200.19	STEEL REBAR
051200.20	
053100.01	METAL DECK
053100.04	POUR STOP ANGLE
053100.07	METAL END CLOSURE PLATE
054000.01	COLD-FORMED METAL FRAMING
054000.03	4" STRUCTURAL METAL STUDS
054000.04	6" STRUCTURAL METAL STUDS
054000.07	STUD TRACK
054000.08	DEFLECTION TRACK
054000.11	DIAGONAL STUD BRACING AS REQUIRED
054000.13	BUILT-UP HEADER
054000.14	BUILT-UP SILL
054000.15	BUILT-UP JAMB
054000.16	METAL ANGLE
054000.18	LGMF STRAPPING AS REQUIRED
055000.01	12" STEEL CHANNEL STRINGER
055000.02	STEEL CHANNEL
055000.03	12" STEEL TUBE STRINGER
055000.04	STEEL TUBE
055000.05	STEEL CLIP ANGLE
055000.06	CONTINUOUS STEEL ANGLE
055000.07	MASONRY WALL LATERAL SUPPORT ANGLE
055000.08	MASONRY WALL LATERAL SUPPORT PLATE
055000.09	6" X 4" 3/8" ELEVATOR SILL ANGLE (FULL WIDTH OF SHAFT)
055000.10	STEEL ANGLE
055000.11	LOOSE LINTEL ANGLE
055000.12	
055000.13	1-1/2" NOMINAL (1.900" O.D.) STEEL PIPE
055000.14	1" NOMINAL (1.315" O.D.) STEEL PIPE
055000.17	HANDRAIL MOUNTING BRACKET WELDED TO POST
055000.18	STEEL PAN STAIR CONSTRUCTION
055000.19	SEMI-SPHERICAL PIPE-RAIL BULLET CAP
055000.20	STEEL BAR
055000.21	STEEL PLATE
055000.22	1-1/2" X 1" STEEL POST
055000.23	PIPE SPLINE
055000.24	STEEL CLOSURE PLATE
055000.25	PLUG WELD AND GRIND SMOOTH TO MATCH CURVE OF PIPE
055000.27	HANGER ROD AND NUT, SECURE TO STRUCTURE
055000.29	EXPANSION ANCHOR(S) AS NECESSARY
055000.30	ATTACHMENT SCREW(S) AS NECESSARY
055000.31	ATTACHMENT BOLT(S) AS NECESSARY
055000.32	NOT USED
055000.37	WOVEN WIRE MESH
055000.38	STEEL LADDER
055000.44	STEEL GRATING TREAD(S)
055000.52	NOT USED
055000.53	BENT STEEL PLATE
055000.61	3/4" CORRUGATED STEEL ROUND RUNGS
055000.62	1/2" X 2" STEEL PLATE
055100	
055100.04	
055100.05	
055100.18	
055100.27	
061000.02	2X CONTINUOUS WOOD FRAMING LUMBER
061000.07	1/2" PLYWOOD
061000.08	5/8" PLYWOOD
061000.09	3/4" PLYWOOD
061000.10	1/2" PLYWOOD SHEATHING
061000.15	CONTINUOUS WOOD BLOCKING, SIZE AS REQUIRED
061000.16	WOOD BLOCKING, SIZE AS REQUIRED
061000.18	WOOD SHIM(S) AS REQUIRED
061000.19	WOOD NAILER(S) AS REQUIRED
061600.01	1/2" GYPSUM SHEATHING BOARD
061600.02	5/8" GYPSUM SHEATHING BOARD
062010.01	EXTERIOR IPE WOOD SOFFIT
064020	INTERIOR ARCHITECTURAL WOODWORK
064020.08	3/4" SOLID WOOD
064020.09	SHIM(S) AS REQUIRED
064020.10	CONTINUOUS WOOD BLOCKING, SIZE AS REQUIRED
064020.11	1/2" PLYWOOD
064020.12	3/4" PLYWOOD
064020.13	PLASTIC LAMINATE
064020.14	3/4" WOOD VENEER PLYWOOD WITH 3/8" SOLID WOOD EDGE BANDING
064020.20	SEALANT AS REQUIRED
064020.22	GROMMET
064020.23	STEEL COUNTERTOP SUPPORT BRACKET
064020.25	LOCK
064020.26	DOOR/DRAWER PULL
064020.29	SLIDING GLASS DOOR TRACK
064020.30	SOLID WOOD TRIM
064020.33	PLASTIC LIGHTING LOUVRE
064020.35	1/2" WOOD VENEER PLYWOOD WITH 3/8" SOLID WOOD EDGE BANDING
064020.44	SOLID WOOD BASE
064020.45	WOOD BLOCKING SIZE AS REQUIRED
064020.46	SOLID SURFACING
064020.48	3/4" WOOD VENEER PLYWOOD
064020.50	
064020.51	ALUMINUM COUNTERTOP SUPPORT BRACKET
071100.03	MASTIC COATING OF STEEL
071600.01	CEMENT-BASED WATERPROOFING
072100.01	RIGID THERMAL INSULATION
072100.02	UNDERSLAB RIGID THERMAL INSULATION
072100.03	FOUNDATION PERIMETER RIGID INSULATION
072100.04	SPRAY FOAM INSULATION/SEALANT
072100.07	SPRAYED-IN THERMAL INSULATION
072100.10	MINERAL WOOL INSULATION
072100.12	COMPRESSABLE FILLER
072100.15	UNDERSLAB VAPOR RETARDER
072100.16	UNDERSLAB VAPOR RETARDER STRIP
072500.01	AIR BARRIER FIELD MEMBRANE
072500.02	AIR BARRIER MEMBRANE STRIP
072500.05	SILICONE SEALANT
072500.08	SPRAY FOAM SEALANT
072500.09	BACKEROD
072500.11	COUNTER FLASHING STRIP
072500.12	FLUID APPLIED AIR BARRIER
072500.13	SEALANT AND BACKER ROD
072500.14	
074200	METAL WALL PANELS
074200.01	ACOUSTIC SCREEN WALL PANEL SYSTEM
074200.04	CONTINUOUS CHANNEL
074200.09	VISUAL SCREEN WALL PANEL SYSTEM
074200.10	METAL PANEL WALL SYSTEM
074200.16	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION
074200.19	CONTINUOUS TRIM BY MANUFACTURER
074200.20	7/8" CORRUGATED METAL PANEL SIDING W/ CONCEALED FASTENERS
074200.34	
074200.35	
074200.36	
075300	EPDM MEMBRANE ROOFING
075300.01	MEMBRANE ROOFING
075300.03	TAPERED ROOF INSULATION
075300.05	PROTECTION BOARD
075300.07	MEMBRANE FLASHING
075300.09	FASTENER & SEAM PLATE
075300.10	VAPOR RETARDER
075300.11	WATER CUT-OFF MASTIC
075300.12	LAP SEALANT
075400	THERMOPLASTIC MEMBRANE ROOFING
075400.01	MEMBRANE ROOFING
075400.02	ROOF INSULATION
075400.03	TAPERED ROOF INSULATION
075400.04	TAPERED INSULATION EDGE STRIP
075400.05	PROTECTION BOARD
075400.07	MEMBRANE FLASHING
075400.08	MEMBRANE BASE FLASHING
075400.10	
075400.11	WATER CUT-OFF MASTIC
075400.12	HOT AIR WELD
075400.13	CONTINUOUS VAPOR BARRIER TAPE OR SEALANT
075400.14	WALKWAY PADS
075400.15	CRICKET
075400.25	PRE-MOLDED PIPE FLASHING
075400.26	STAINLESS STEEL CLAMPING RING
075400.27	RUBBER ROD STOCK
075400.39	FASTENER & SEAM PLATE
076200	SHEET METAL ROOFING, SIDING, FLASHING AND TRIM
076200.01	METAL ROOFING
076200.02	VENTED INSULATION/NAILBASE PANEL ASSEMBLY
076200.04	VAPOR RETARDER
076200.09	METAL FLASHING
076200.10	
076200.14	METAL GRAVEL STOP
076200.15	COPPER GUTTER
076200.18	CONTINUOUS METAL CLEAT
076200.19	2" WIDE METAL CLIPS @ 24" O.C.
076200.20	FASTENER
076200.22	SEALANT
076200.28	SNOWGUARD(S)
076200.29	METAL DOWNSPOUT
076200.34	METAL DRIP EDGE
076200.35	TERMINATION BAR - SET IN A CONTINUOUS BED OF SEALANT
076200.37	FORMED METAL PANEL
076200.40	SNOWGUARD CLIP
076200.41	SNOWGUARD RAIL
076200.42	STAINLESS STEEL COLLAR
076200.43	SHEET METAL CLOSURE
076200.44	SHEET METAL GRAVEL STOP & FASCIA
076200.45	SHEET METAL FASCIA W/ DRIP EDGE
076200.48	CONTINUOUS SHEET METAL HOOK STRIP
076200.49	SHEET METAL FASCIA
076200.50	METAL DOWNSPOUT HANGER STRAP
076200.53	SHEET METAL PARAPET CAP
076200.55	VENT INSECT SCREEN
076200.59	
076200.62	
077200	ROOF ACCESSORIES
077200.01	SMOKE VENT
077200.02	ROOF HATCH
078100.01	SPRAYED FIREPROOFING
078100.02	TROWEL-GRADE FIREPROOFING
078100.03	INTUMESCENT PAINT FIREPROOFING
078400.01	FIRESTOP SEALANT
078400.02	FIRESTOP FILL MATERIAL
078400.03	FIRESTOP PUTTY
078400.06	FIRE SAFING INSULATION
079200.01	INTERIOR SEALANT AND BACKEROD
079200.02	EXTERIOR SEALANT AND BACKEROD
079200.04	INTERIOR SEALANT
079200.07	INTERIOR DECK SEALANT & BOND BREAKER TAPE
079200.08	ENTERIOR DECK SEALANT & BOND BREAKER TAPE
079500	EXPANSION CONTROL
079500.01	FLOOR EXPANSION JOINT COVER
081110	HOLLOW METAL DOORS AND FRAMES
081110.02	STEEL FRAME
081110.13	FLOOR ANCHOR
081110.16	FRAME STIFFENERS
081400	FLUSH WOOD DOORS
083470.01	ACOUSTIC DOOR
084410	GLAZED ALUMINUM CURTAIN WALLS
084410.01	ALUMINUM CURTAIN WALL SYSTEM
084410.07	FORMED ALUMINUM SILL-CUSTOM PROFILE
084410.23	ALUMINUM CLIP ANGLE
084410.27	SILICONE EXTRUSION
084410.28	ADHESIVE
084410.30	CONTINUOUS GASKET
084410.32	CUSTOM PRESSURE PLATE CLOSURE
084410.36	AIR BARRIER PERIMETER SEAL
085110.01	ALUMINUM WINDOW SYSTEM
085110.30	BUTYL TAPE
085110.31	SILICONE SEALANT
085110.33	SILICONE EXTRUSION
086200.02	FIXED DOMED SKYLIGHT
087100	DOOR HARDWARE
087100.01	THRESHOLD
087100.02	WEATHERSTRIPPING
087100.09	SET THRESHOLD IN BED OF SEALANT
088000	GLAZING
088000.02	HEAT-TEMPERED GLASS
088000.04	LAMINATED GLASS
088000.13	HEAT-TEMPERED SLIDING GLASS DOORS
088000.15	SETTING BLOCK
088000.18	
088000.19	
088000.20	
088000.22	1/8" x 3/8" CLOSED CELL PVC TAPE
088000.23	.040" x 3/4" X 3/4" CONTINOUS STEEL ANGLE
088000.24	SILICONE SEALANT (CONTINUOUS)
088000.25	60 MINUTE FIRE RATED LAMINATED GLAZING
088000.26	ATTACHMENT SCREW(S) AS NECESSARY
089000.01	ALUMINUM LOUVER
089000.03	ALUMINUM SUBSILL WITH ENDDAMS
089000.04	CONTINUOUS CLIP ANGLE ANCHOR, SET IN A CONTINUOUS BEAD OF SEALANT TO FORM AN AIRTIGHT SEAL
089000.05	SHIM AS REQUIRED
089000.06	BIRD SCREEN
089000.09	INSULATED ALUMINUM BLANK-OFF PANEL
092113.01	GYPSUM PLASTER CEILING (SOFFIT) SYSTEM
092113.04	CEMENT PLASTER CEILING (SOFFIT) SYSTEM
092113.10	CASING BEAD
092113.12	CONTROL JOINT
092900.01	GYPSUM BOARD WALL CONSTRUCTION
092900.02	GYPSUM BOARD CEILING SYSTEM
092900.05	1-5/8" STUDS
092900.06	2-1/2" STUDS
092900.07	3-5/8" STUDS
092900.08	6" STUDS
092900.09	8" STUDS
092900.10	2-1/2" SHAFTWALL STUDS
092900.11	4" SHAFTWALL STUDS
092900.12	COLD-ROLLED CARRYING CHANNEL
092900.13	7/8" HAT-SHAPED RIGID FURRING CHANNEL
092900.14	RESILIENT FURRING CHANNEL
092900.15	STEEL ANGLE (SAME GAUGE AS STUD FRAMING)
092900.16	Z-FURRING CHANNEL
092900.17	STUD BRACING AS REQUIRED
092900.18	LIGHT GUAGE STEEL FLAT PLATE
092900.19	DEEP-LEG DEFLECTION TRACK
092900.22	ACOUSTIC VIBRATION-ISOLATION HANGER
092900.23	STEEL SUSPENDED FRAMING & SOFFIT SYSTEM
092900.24	CEMENT BOARD
092900.25	STUCCO FINISH
092900.26	5/8" ABUSE RESISTANT GYPSUM BOARD
092900.31	5/8" GYPSUM BOARD
092900.32	5/8" FIRE-RESISTANT GYPSUM BOARD
092900.33	5/8" MOISTURE-RESISTANT GYPSUM BOARD
092900.34	5/8" FIRE AND MOISTURE-RESISTANT GYPSUM BOARD
092900.35	1" SHAFTWALL LINER BOARD
092900.36	5/8" TILE BACKER BOARD
092900.37	5/8" HIGH-IMPACT GYPSUM BOARD
092900.38	2-1/2" (MIN) GLASS FIBER BLANET INSULATION
092900.39	3-1/2" (MIN) GLASS FIBER BLANKET INSULATION
092900.40	6" (MIN) GLASS FIBER BLANKET INSULATION
092900.41	3" (MIN) MINERAL WOOL INSULATION
092900.42	6" (MIN) MINERAL WOOL INSULATION
092900.43	ACOUSTICAL SEALANT
092900.44	SPOT GROUT PRESSED STEEL FRAME AT ANCHORS
092900.45	BLANKET INSULATION, THICKNESS AS REQUIRED
092900.49	STEEL J-RUNNER
092900.50	CORNER BEAD
092900.51	J-TRIM
092900.52	L-TRIM
092900.54	CONTROL JOINT
092900.55	BULLNOSE TRIM
092900.66	
093000	TILING
093000.01	THIN SET CERAMIC MOSAIC FLOOR TILE
093000.02	THICK BED CERAMIC MOSAIC FLOOR TILE
093000.03	THIN SET CERAMIC WALL TILE
093000.05	THIN SET PORCELAIN FLOOR TILE
093000.06	THICK BED PORCELAIN FLOOR TILE
093000.07	THIN SET QUARRY FLOOR TILE
093000.08	THICK BED QUARRY FLOOR TILE
093000.09	THIN SET FEATURE WALL TILE
093000.11	COVE BASE
093000.12	BULLNOSE WALL TILE
093000.13	BULLNOSE FEATURE WALL TILE
093000.17	METAL EDGE STRIP
093000.20	SEALANT
093000.21	WATERPROOFING MEMBRANE
093000.33	
095100	ACOUSTICAL PANEL CEILINGS
095100.01	STANDARD TYPE ACOUSTIC TILE CEILING SYSTEM
095100.02	WASHABLE TYPE ACOUSTIC TILE CEILING SYSTEM
095100.09	EDGE MOLDING
095100.10	SUSPENSION "ISLAND" TRIM
096400	WOOD FLOORING
096466	WOOD ATHLETIC FLOORING
096500	RESILIENT FLOORING
096500.02	RUBBER STAIR TREADS AND RISERS
096500.04	RESILIENT FLOORING
096500.05	REDUCER STRIP
096500.06	RESILIENT BASE
096500.07	TRANSITION STRIP
096566.01	RESILIENT ATHLETIC FLOORING
096820	SHEET CARPETING
096820.01	SHEET CARPETING
096820.02	TRANSITION STRIP
098400	ACOUSTIC ROOM COMPONENTS
098400.01	ACOUSTICAL WALL PANEL
098400.07	LINEAR WOOD ACOUSTICAL TREATMENT
099000	PAINTING AND COATING
099000.01	PAINT FINISH
101100	VISUAL DISPLAY SURFACES
101400.01	ROOM IDENTIFICATION SIGN
102100	COMPARTMENTS AND CUBICLES
102800	TOILET ACCESSORIES
104400	FIRE PROTECTION SPECIALTIES
114000	FOOD SERVICE EQUIPMENT
115210	PROJECTION SCREENS
116000	FIXED CASEWORK AND EQUIPMENT
122400.05	WINDOW SHADES
124810	ENTRANCE FLOOR MATS AND FRAMES
124810.01	RECESSED ENTRY MAT
210000	Division 21 - Fire Suppression
220000	Division 22 - Plumbing
220000.02	ROOF DRAIN
220000.07	ROOF DRAIN CLAMPING RING
220000.08	ROOF DRAIN BOWL
220000.09	ROOF DRAIN DOME
230000	Division 23 - Heating Ventilating and Air Conditioning
230000.00	Division 23 - Heating Ventilating and Air Conditioning
230000.15	ELEVATOR SHAFT VENT
230000.18	MECHANICAL EQUIPMENT ROOF CURB
230000.28	INSULATED PLENUM
230000.30	ROOF MOUNTED MECHANICAL EQUIPMENT
230000.32	VENTILLATED ROOF COLLAR
230000.33	HOT STACK FLUE
230000.34	MODIFY & INSTALL BLANK-OFF PANEL, SEAL PLENUM TO BLANK-OFF PANEL TO FORM AN AIRTIGHT SEAL
230000.40	SEISMIC SPRING CURB- INTEGRAL INSULATION
230000.41	SEISMIC SPRING CURB ASSEMBLY-SOUND PACKAGE
230000.42	SEISMIC SPRING CURB ASSEMBLY-WEATHER SEAL & ACOUSTICAL PADS
230000.43	SEISMIC SPRING CURB ASSEMBLY-FLASHING ASSEMBLY
230000.46	
260000	Division 26 - Electrical
260000.01	LIGHTING FIXTURE(S)
260000.05	ELECTRICAL RECEPTACLE
260000.48	CONDUIT
260000.49	WEATHERHEAD
260000.51	LIGHTNING ROD
260000.52	LIGHTNING ROD CABLE
270000.01	DATA OUTLET

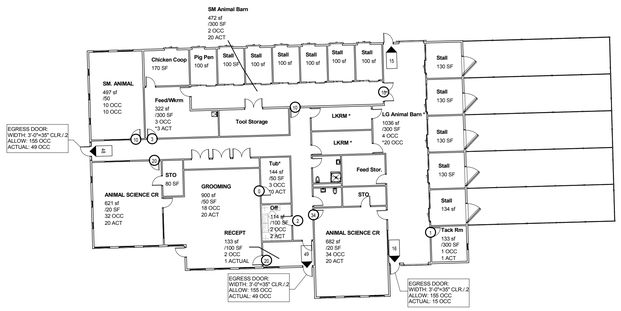
ABBREVIATION MASTER LIST

AA	AUDIBLE ALARM
AC	AIR CONDITIONING
ACCU	AIR COOLED CONDENSING UNIT
ACOUS	ACOUSITCAL
ACT	ACOUSTICAL TILE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
ADDL	ADDITIONAL
ADJ	ADJUSTABLE, ADJACENT
AFF	ABOVE FLOOR FINISH
AG	ACOUSTICAL GASKETS
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
ALUM	ALUMINUM
ANO	ANODIZED
AO	ACTUAL OPENING
ANT	ACID NEUTRALIZATION TANK
ANTMP	ACID NEUTRALIZATION TANK MONITORING PANEL
AP	ACCESS PANEL
APPRO X	APPOXIMATE
ARCH	ARCHITECTURAL
AS	ADJUSTBLE SHELF
AUTO	AUTOMATIC
A/V	AUDIO VISUAL
AVB	AIR VAPOR BARRIER
AVGS	AUDIO VISUAL GENERAL STORAGE UNIT
BD	BOARD
BFS	BOTTLE FILLING STATION
BIT	BITUMINOUS
BK	BOOKSHELF UNIT
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BNC	BENCH
BOD	BOTTOM OF DECK
BOM	BOTTOM OF MASONRY
BOS	BOTTOM OF STEEL, BOTTOM OF SLAB, BOTTOM OF STRUCTURE
BOT	BOTTOM
BOW	BOTTOM OF WALL
BRK	BRICK
BS	BRICK SHELF
BSMT	BASEMENT
BUR	BUILT-UP ROOFING
BYD	BEYOND
CAB	CABINET
CAFE	CAFETERIA
CAM	CAMERA
CATV	CABLE TV
CB	CATCH BASIN, CHILLED BEAM
CBD	CHALK BOARD
CBU	CEMENTITIOUS BACKER UNIT
CCTV	CLOSED CIRCUIT TV
CEM	CEMENT
CER	CERAMIC
CFS	CONCRETE FLOOR FINISH SYSTEM
CG	CORNER GUARD
CH	COAT HOOK, AIR COOLED CHILLER
CHAN	CHANNEL
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL JOINT, CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONC-P	CONCRETE PAD
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CR	CLASSROOM
CRPT	CARPET
CS	CLOCK/SPEAKER UNIT
CT	CERAMIC TILE/COOLING TOWER
CT-CB	CERAMIC TILE COVE BASE
CTR	CENTER
CTSK	COUNTER SUNK
CUH	CABINET UNIT HEATER
CUSP	CUSPIDOR
CUST	CUSTODIAN
CV	CONVECTOR
CW	COLD WATER (PIPING)
CWFP	CEMENT WOOD FIBER PANEL
CWFP-T	CEMENT WOOD FIBER PANEL WITH TRIM
D	DEEP, DEPTH
DBL	DOUBLE
DC	DOOR CONTACT
DD	DISPLACEMENT DIFFUSER
DEG	DEGREE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DRINKING FOUNTAIN, DESTRATIFICATION
DIA	DIAMETER
DIAG	DIAGONAL
DIFF	DIFFUSER
DIM	DIMENSION
DIS	DISPLACED
DISP	DISPENSER
DMPF	DAMPPROOFING
DMT	DEMOUNTABLE
DN	DOWN
DO	DOOR OPENING
DP	DIMENSION POINT
DR	DOOR
DRN	DRAIN
DS	DOWNSPOUT
DTL	DETAIL
DVR	DIVIDER
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWR	DRAWER
(E)	EXISTING
E	EAST
EA	EACH
EB	EXPANSION BOLT
EF	EXHASUT FAN
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EJC	EXPANSIN JOINT COVER
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EM	ENTRY MAT
EM-R	ENTRY MAT-RECESSED
EM-S	ENTRY MAT SURFACE MOUNTED
EMER	EMERGENCY
EP	ELECTRICAL PANELBOARD
EQ	EQUAL
EQUIP	EQUIPMENT
ES	ELECTRONIC STRIKE
ETBR	EXISTING TO BE REMOVED
ETR	EXISTING TO REMAIN
EVAC	EMERGENCY VOICE EVACUATION PANEL
EWC	ELECTRIC WATER COOLER
EXG	EXISTING
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXP-C	EXPOSED CONCRETE
EXP-U	EXPOSED UNPAINTED
EXT	EXTERIOR
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATION PANEL
FACP	FIRE ALARM CONTROL PANEL
FB	FACE BRICK
FBG	FIBERGLASS
FC	FACE
FCU	FAN COIL UNIT
FD	FLOOR DRAIN, FRAME DIMENSION
FDC	FIRE DEPARTMENT CONNECTION
FDVC	FIRE DEPARTMENT VALVE CABINET
FND	FOUNDATION
FE	FIRE EXTINGUISHER
FE-B	FIRE EXTINGUISHER - BRACKET MOUNTED
FE-R	FIRE EXTINGUSHER - RECESSED CABINET
FE-S	FIRE EXTINGUSHER - SURFACE MOUNTED CABINET
FEC	FIRE EXTINGUSHER CABINET
FF & E	FURNITURE, FURNISHINGS & EQUIPMENT
FFEL	FINISH FLOOR ELEVATION
FG	FIBERGLASS
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR
FLASH	FLASHING
FLG	FLOORING
FLOUR	FLOURESCENT
FO	FACE OF (SEE OTHER WORD)
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUD
FP	FIRE PROTECTION
FPG	FIREPROOFING
FR	FRAME
FRG	FIRE RATED GLASS
FPR	FIBER REINFORCED POLYESTER
FRT	FIRE RETARDENT TREATED
FRTW	FIRE RETARDENT TREATED WOOD
FS	FIXED SHELF
FT	FEET
FTG	FOOTING
FTR	FIN TUBE RADIATION
FURN	FURNITURE
FURR	FURRING
FWP	FABRIC WRAPPED PANEL
FZR	FREEZER
G	GROUND
GA	GAUGE/GAGE
GALV	GALVINIZED
GB	GRAB BAR
GB-C	GRAB BAR - CHILDRENS
GC	GENERAL CONTRACTOR
GEN	GENERAL, GENERATOR
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GLB	GLASS BLOCK
GMU	GYPSUM MASONRY UNIT
GND	GROUND
GRAN	GRANITE FLOOR TILE
GRANB	GRANITE TILE BASE
GR	GRADE
GS	GENERAL STORAGE UNIT
GSF	GROSS SQUARE FEET
GWB	GYMPSUM WALLBOARD
H	HEIGHT
HB	HOSE BIB
HC	HANDICAPPED ACCESSIBLE
HDW	HARDWARE
HDWD	HARDWOOD
HGT	HEIGHT
HM	HOLLOW METAL
HMA	HAZARDOUS MATERIAL ABATEMENT
HO	HOLD OPEN
HOIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR RATING
HS	HANDSINK
HSEP	HIGH SOLIDS EPOXY PAINT
HV	HEATING & VENTILATION UNIT
HVAC	HEATING, VENTILATING, AIR CONDITIONING
IC	INTERCOM STATION
ID	INSIDE DIAMETER
IDF	INTERMEDIATE DATA FRAME ROOM
INCL	INCLUDED, INCLUDING
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
IRV	INTAKE ROOF VENT
IU	INDUCTION UNIT
IWB	INTERACTIVE WHITE BOARD
JST	JOIST
JT	JOINT
K	KIP (1000 LBF)
KG	KILOGRAM
KIT	KITCHEN
KO	KNOCKOUT
KP	KEY PAD
KPL	KICK PLATE
L	LENGTH
LAB	LABORATORY
LAM	LAMINATE, LAMINATION
LAV	LAVATORY
LB	POUND
LF	LINEAR FOOT
LG	LAMINATED GLASS
LGT	LIGHT
LIG	LAMINATED INSULATING GLASS
LIN	LINOLEUM
LKR	LOCKER
LN	LINE
LDG	LANDING
LOC	LOCATION
LPT	LOW POINT
M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKERBOARD
MB-C	MARKERBOARD - CUSTOM FRAME
MBL	MARBLE
MDF	MEDIUM DENSITY FIBERBOARD, MAIN DATA FRAME ROOM
MDO	MEDIUM DENSITY OVERLAY PLYWOOD
MECH	MECHANICAL
M.E.J.	MASONRY EXPANSION JOINT
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MEZZ	MEZZANINE
MFR	MANUFACTURER
MGSV	MASTER GAS SHUT OFF VALVE
MIC	MICROPHONE
MIRCO	MICROWAVE OVEN
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MM	MILLIMETER
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
N	NORTH
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NSF	NET SQUARE FEET
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OCC	OCCUPANTS, OCCUPANCY
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER / DIMENSION
OFCI	OWNER FURNISHED, CONTR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFF	OFFICE
OH	OVER



1 Lower Level Code Plan
Scale: 1" = 20'-0"

* ROOMS MARKED WITH AN ASTERISK ARE TO BE CONSIDERED ACCESSORY ROOMS TO THE ADJACENT CLASSROOMS. BECAUSE OF NON-SIMULTANEOUS USE, THE NUMBER OF OCCUPANTS WITHIN THESE ACCESSORY ROOMS ARE ALREADY ACCOUNTED FOR WITHIN THE CLASSROOM OCCUPANCY COUNT .



1A Animal Science - Code Plan
Scale: 1" = 20'-0"

**NON-SIMULTANEOUS USE FOR ASSEMBLY SPACES- ASSEMBLY SPACES INCLUDE THE FOLLOWING:
GYMNASIUM, TOWN SQUARE, COURTYARD AND AUDITORIUM
TWO OF THE FOUR ASSEMBLY SPACES MAY BE USED SIMULTANEOUSLY
EGRESS WIDTH IS NOT SIZED TO ACCOMODATE USE OF ALL OF THE SPACES CONCURRENTLY

GYMNASIUM- 1,836 OCC TOTAL
918 OCCUPANTS EGRESS DIRECTLY OUT OF THE BUILDING.
918 OCCUPANTS EGRESS INTO THE TOWN SQUARE= 184" OF EGRESS CAPACITY REQ'D

TOWN SQUARE- 576 OCC TOTAL
116" EGRESS CAPACITY REQ'D

COURTYARD- POSTED OCCUPANCY 576 OCC.
144 OCCUPANTS EGRESS THROUGH THE TUNNEL, 144 OCCUPANTS EGRESS THROUGH THE LC IN THE STEAM WING.
288 EGRESS INTO THE TOWN SQUARE= 58" OF EGRESS CAPACITY REQ'D

AUDITORIUM LOWER LEVEL- 425 OCC
213 EGRESS DIRECTLY OUTSIDE OF THE BUILDING
212 OCC= 85" OF EGRESS CAPACITY REQ'D

STAGE- 220 OCC= 44" OF EGRESS CAPACITY REQ'D

2095 OCCUPANTS IN TOWN SQUARE /419" EGRESS CAPACITY PROVIDED WITH FIVE MEANS OF EGRESS

SIMULTANEOUS OCCUPANCY SCENARIOS:
GYMNASIUM & COURTYARD- 918+100+286=1,305 TOTAL OCC =261" REQ.
GYMNASIUM+ TOWN SQUARE- 918+100+573=1,591 TOTAL OCC.=319" REQ.
GYMNASIUM+AUDITORIUM/STAGE=918+100+212+103=1,333 TOTAL OCC. = 267" REQ.
GYMNASIUM+TEAM ROOMS+ALT PE=918+180+180=1,278 TOTAL OCC. =256" REQ.

CODE REVIEW

PROJECT DESCRIPTION

HIGH SCHOOL GRADES 9-12
PROJECTED ENROLLMENT: 1,500 STUDENTS / 130 STAFF

BUILDING CONSTRUCTION:
- FRAME: STEEL FRAME CONSTRUCTION
- FOUNDATION: CAST-IN-PLACE PERIMETER WALL & COLUMN FOOTINGS
- FIRST FLOOR : CONCRETE SLAB ON GRADE
- SECOND FLOOR: COMPOSIT DECK
- ROOF: METAL DECK
- EXTERIOR WALLS: MASONRY VENEER ON LIGHT GAUGE STEEL STUD BACK-UP SYSTEM WITH CURTAINWALL ASSEMBLIES
- INTERIOR PARTITIONS: GYPSUM WALLBOARD ON METAL STUDS AND CONCRETE MASONRY UNITS

APPLICABLE CODES

INTERNATIONAL BUILDING CODE 2009 - BY ICC
NFPA 101 LIFE SAFETY CODE - 2009 EDITION

USE & OCCUPANCY (IBC CH. 3)

USE GROUP E (EDUCATIONAL)
WITH ASSEMBLY AREAS - TOWN HALL, DINING, AUDITORIM AND GYMNASIUM ARE CONSIDERED ACCESSORY AREAS TO USE GROUP E AND ARE NOT SEPARATE OCCUPANCIES (303. 1. 4)

USE & OCCUPANCY (NFPA 2009)

MULTIPLE OCCUPANCY (Section 6.1.14.2.1)
PER SECTION 6.1.14.2.2 MIXED OCCUPANCY - EDUCATIONAL & ASSEMBLY
GYMNASIUM, CAFETERIA/TOWN SQUARE, AUDITORIUM
BECAUSE THESE OCCUPANCIES ARE INTERMINGLED IN ACCORDANCE WITH SECTION 6.1.14.3, BUILDING COMPLIES WITH THE MOST RESTRICTIVE NFPA 2009 REQUIREMENTS FOR BOTH ASSEMBLY CHAPTER 12 AND EDUCATIONAL CHAPTER 14.

TYPE OF CONSTRUCTION

ALL NEW CONSTRUCTION - NON-COMBUSTIBLE CONSTRUCTION
BUILDING A-TYPE I B-2 HR. PROTECTED CONSTRUCTION
BUILDINGS B&C- TYPE II B- NOT PROTECTED

GENERAL BUILDING LIMITATIONS (IBC CH. 5)

AREA LIMITATIONS: USE GROUP A/E-CONSTRUCTION TYPE IB- BLDG 1	
TABULAR HEIGHT (IBC TABLE 503)	5 STORIES
SPRINKLER INCREASE (IBC 504.2)	1 STORY
ALLOWABLE HEIGHT	6 STORIES
ACTUAL HEIGHT	3 STORIES 42'-0"
TABULAR AREA (IBC TABLE 503)	UNLIMITED
STREET FRONTAGE INCREASE (IBC 506.2) @ 75%	
SPRINKLER INCREASE (IBC 506.3) @ 200%	
ALLOWABLE AREA PER FLOOR	UNLIMITED
ACTUAL AREA - BUILDING 1	76,010

AREA LIMITATIONS: USE GROUP A/E-CONSTRUCTION TYPE IIB BLDG 2	
TABULAR HEIGHT (IBC TABLE 503)	2 STORIES
SPRINKLER INCREASE (IBC 504.2)	1 STORY
ALLOWABLE HEIGHT	3 STORIES
ACTUAL HEIGHT	2 STORIES 28'-0"
TABULAR AREA (IBC TABLE 503)	14,500
STREET FRONTAGE INCREASE (IBC 506.2) @ 75%	2,535
SPRINKLER INCREASE (IBC 506.3) @ 200%	29,000
ALLOWABLE AREA PER FLOOR	46,681
ACTUAL AREA - BUILDING 2	41,681

AREA LIMITATIONS: USE GROUP A/E-CONSTRUCTION TYPE IIB BLDG 3	
TABULAR HEIGHT (IBC TABLE 503)	2 STORIES
SPRINKLER INCREASE (IBC 504.2)	1 STORY
ALLOWABLE HEIGHT	3 STORIES
ACTUAL HEIGHT	3 STORIES 42'-0"
TABULAR AREA (IBC TABLE 503)	14,500
STREET FRONTAGE INCREASE (IBC 506.2) @ 75%	2,104
SPRINKLER INCREASE (IBC 506.3) @ 200%	29,000
ALLOWABLE AREA PER FLOOR	45,523
ACTUAL AREA - BUILDING 2	41,523

MEANS OF EGRESS (IBC CH. 10 NFPA CH. 7)

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT (NFPA 101 TABLE 7.3.1.2)

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT (IBCTABLE...	
FUNCTION OF SPACE	FLOOR AREA (SQ. FT. / OCC.)
-CHAIRS ONLY (CONCENTRATED)	= 7 NET
-CHAIRS AND TABLES (UNCONCENTRATED)	=15 NET
ASSEMBLY W/O FIXED SEATS	
CLASSROOM	= 20 NET
KITCEHN	= 200 GROSS
LIBRARY	
-STACK AREA	= 50 NET
-READING AREA	= 100 GROSS
MECH. & ACCESSORY STORAGE	= 300 GROSS
OFFICE / BUSINESS	= 100 GROSS
SHOPS AND VOCATIONAL AREAS (ART)	= 50 NET
STAGE AND PLATFORM	= 15 NET

CORRIDOR DIMENSIONS

OCCUPANT CAPACITY	DIMENSION
50 OR LESS	= 36" WIDE
51-99	= 44" WIDE
GREATOR THAN 100	= 72" WIDE
MAXIMUM LENGTH OF EXIT ACCESS	= 250' LONG (with sprinkler system)
MAXIMUM LENGTH OF DEAD END CORRIDORS	= 50' LONG (with sprinkler system, 1018.4 exception 2)

EGRESS FROM CLASSROOMS THROUGH AN INTERVENING AREA COMPLIES WITH THE PROVISIONS OF NFPA 101 SECTION 14.2.5.5 (2) WHICH ALLOWS PASSAGE THROUGH ONE INTERVIENING ROOM UNDER THE FOLLOWNG CONDITIONS:
a. TRAVEL DISTANCE FROM THE CLASSROOM TO A CORRIDOR DOOR OR EXIT DOES NOT EXCEED 75'
b. CLOTHING, PERSONAL EFFECTS AND SIMILAR ITEMS CAN BE STORED IN THE INTERVENING ROOM SINCE THE BUILDING IS FULLY SPRINKLERED

MEANS OF EGRESS (NFPA. CH. 7)

MAXIMUM LENGTH OF EXIT ACCESS TRAVEL (2009 NFPA 101 SECTION 14.2.6.3)	=	200 FEET WITH SPRINKLER SYSTEM
THE COMMON PATH OF TRAVEL FROM ANY SPACE (EXCEPT FROM THE MECHANICAL LEVEL) WITHIN THE BUILDING IS LIMITED TO 75' PER NFPA 101 SECTION A.7.6 DUE TO THE ASSEMBLY USE. MECHANICAL SPACES CAN HAVE 100' COMMON PATH OF TRAVEL PER NFPA 101 SECTION 7.12.1		
DESIGN OCCUPANT LOAD & EGRESS UNITS ARE INDICATED ON PLANS OF EACH FLOOR.		
EGRESS WIDTH PER OCCUPANT (2009 NFPA 101 TABLE 7.3.3.1)		
- STAIRWAY	=	.3 / INCH PER OCCUPANT
- DOORS	=	.2 / INCH PER OCCUPANT
- CORRIDORS	=	.2 / INCH PER OCCUPANT
STAIRWAY CAPACITY IS PERMITED TO BE INCREASED FOR STAIRWAYS WIDER THAN .44 IN. AND SUBJECT TO THE .3 IN WIDTH PER PERSON CAPACITY FACTOR (2009 NFPA 101 SECTION 7.3.3.2). CALCULATION: C= CAPACITY, IN PERSONS, Wn = NOMINAL WIDTH OF STAIR PERMITTED C = 146.7+((Wn-44)/.218)		
LENGTH OF DEAD END CORRIDORS AT BUILDINGS EQUIPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM SHALL NOT EXCEED 20 FT (2009 NFPA 101 SECTION 12.2.5.1.3)		
MINIMUM WIDTH OF CORRIDORS (NFPA14.2.3.2)	=	72"

GROUND FLOOR PLAN

OCCUPANT LOAD	4,072	OCC
EGRESS CAPACITY STAIRS		
EGRESS CAPACITY DOORS	4,246	OCC

GENERAL NOTES-CODE SHEET

1) CODE SHEET GENERAL NOTES, LEGEND AND ABBREVIATIONS APPLY TO AD SERIES SHEETS.
2) THIS CODE REVIEW SHEET IS INTENDED TO INDICATE ONLY GENERAL APPLICABLE CODE FOR FIRE-RESISTANCE RATINGS, EGRESS REQUIREMENTS AND ENERGY-CODE REQUIREMENTS.
3) REFER TO SHEET A0.2 FOR PLUMBING FIXTURE ANALYSIS.
4) GROSS AREA FOR UPPER FLOORS EXCLUDES THE AREAS THAT ARE DOUBLE HEIGHT SPACES AND FLOOR OPENINGS AT THROUGH- FLOOR MECHANICAL SHAFTS.
5) EGRESS AT EXTERIOR DOORS IS CALCULATED FROM THE FLOOR WITH THE HIGHER OCCUPANCY LOAD.
6) CLEAR EGRESS WIDTH AT STAIRS IS MEASURED FROM THE OUTSIDE FACE OF STAIR STRINGER.

ABBREVIATIONS-CODE SHEET

(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

ABBREVIATIONS	MEANING
EXT	EXTERIOR
GSF	GROSS SQUARE FOOTAGE
NSF	NET SQUARE FEET (USE AREA, EXCLUDES BUILT IN STORAGE AREAS)
OCC	OCCUPANCY
SF	SQUARE FOOTAGE
CI	CONTINUOUS INSULATION
CUST	CUSTODIAN
DF	DRINK FOUNTAIN
LAV	LAV
MEP	MECHANICAL, ELECTRICAL, PLUMBING
UR	URINAL
WC	WATER CLOSET

FIRE RESISTANCE RATING OF STRUCTURAL ELEMENTS - (IBC TABLE 601)

ENTIRELY PROTECTED BY AN AUTOMATIC FIRE SUPRESSION SYSTEM

BUILDING ELEMENTS CONSTRUCTION TYPE IB	MINIMUM RATING REQUIRED
BEARING WALLS	2
— EXTERIOR	2
— INTERIOR	2
FLOOR CONSTRUCTION AND SECONDARY MEMBERS(SEE SECTION 202)	2
NON-BEARING WALLS AND PARTITIONS	0
— EXTERIOR (TABLE 602) WITH A FIRE SEPARATION DISTANCE OF > 10'EEET	0
— INTERIOR	0
PRIMARY STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	2
ROOF CONSTRUCTION AND SECONDARY MEMBERS (SEE SECTION 202)	1

FIRE RESISTANCE RATING OF MISCELLANEOUS ELEMENTS

BUILDING ELEMENT CONSTRUCTION TYPE IIB	MINIMUM RATING
CORRIDOR FIRE-RESISTANT RATING (TABLE 1018.1)	0 WITH SPRINKLER SYSTEM
EXIT (STAIR) ENCLOSURES 91022.1)	1 HOUR *
SHAFT ENCLOSURES	
— CONNECTING NO MORE THAN 2 STORIES (708.2.7.1)	0 HOUR
— CONNECTING LESS THAN 4 STORIES	1 HOUR
ATRIUMS 9404.1)	
—SMOKE CONTROL IS NOT REQUIRED FOR ATRIUMS THAT CONNECT ONLY TWO STORIES (404.5)	0 HOUR
INCIDENTAL OCCUPANCIES (TABLE 508.2.5)	
—BOILER ROOM	0 HR SMOKE PARTITION REQ'D
— LABORATORIES & VOCATIONAL SHOPS	0 HR SMOKE PARTITION REQ'D
— EMERGENCY ELECTRIC ROOMS 8527 CMR)	2 HR
— NON-EMERGENCY ELECTRIC ROOMS WITH SPRIINKLER SYSTEM	0 HE SMOKE PARTITION REQ'D
— WASTE COLLECTION ROOMS OVER 100 SF	0 HR SMOKE PARTITION REQ'D
STAGE	1 HR UNDER 50'

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT (IBCTABLE...

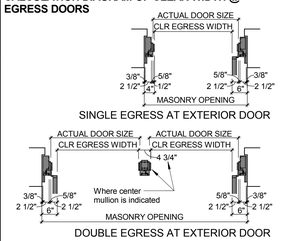
FUNCTION OF SPACE	FLOOR AREA (SQ. FT. / OCC.)
-CHAIRS ONLY (CONCENTRATED)	= 7 NET
-CHAIRS AND TABLES (UNCONCENTRATED)	=15 NET
ASSEMBLY W/O FIXED SEATS	
CLASSROOM	= 20 NET
KITCEHN	= 200 GROSS
LIBRARY	
-STACK AREA	= 50 NET
-READING AREA	= 100 GROSS
MECH. & ACCESSORY STORAGE	= 300 GROSS
OFFICE / BUSINESS	= 100 GROSS
SHOPS AND VOCATIONAL AREAS (ART)	= 50 NET
STAGE AND PLATFORM	= 15 NET

508.2.5.1: Construction supporting 1 HR rated fire barriers or horizontal assemblies used for incidental occupancy separations are NOT required to be rated in Construction Type IIB.

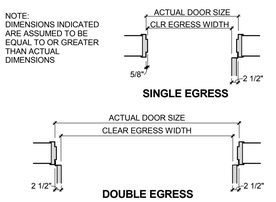
707.4: Exterior walls of Fire-Rated shafts, exit enclosures, and incidental occupancy separations are NOT required to be rated (except where req'd per fire-separation distance per Table 602)

PENETRATIONS: THROUGH HORIZONTAL ASSEMBLIES NOT REQUIRED TO HAVE A FIRE RESISTANCE RATING:
- Noncombustible penetrating items (pipes, conduits, wire, cable, etc) connecting 3-stories or less are permitted w\out an enclosure provided the annular space is filled with an approved non-combustible material to resist the free passage of smoke and the products of combustion (713.4.2.1).
- Ducts penetrating 2-stories are permitted w\out an enclosure provided the annular space is filled with an approved non-combustible material to resist the free passage of smoke and the products of combustion (716.6.3.1)
- Ducts penetrating 3-stories are permitted w\out enclosures provided the annular space is filled with an approved non-combustible material to resist the free passage of smoke and the products of combustion AND a fire damper is installed in the duct at each floor level (716.6.3.3)

CALCULATION DIAGRAM OF CLEAR WIDTH @ EGRESS DOORS



NOTE:
DIMENSIONS INDICATED ARE ASSUMED TO BE EQUAL TO OR GREATER THAN ACTUAL DIMENSIONS



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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Ground Floor Code Sheet

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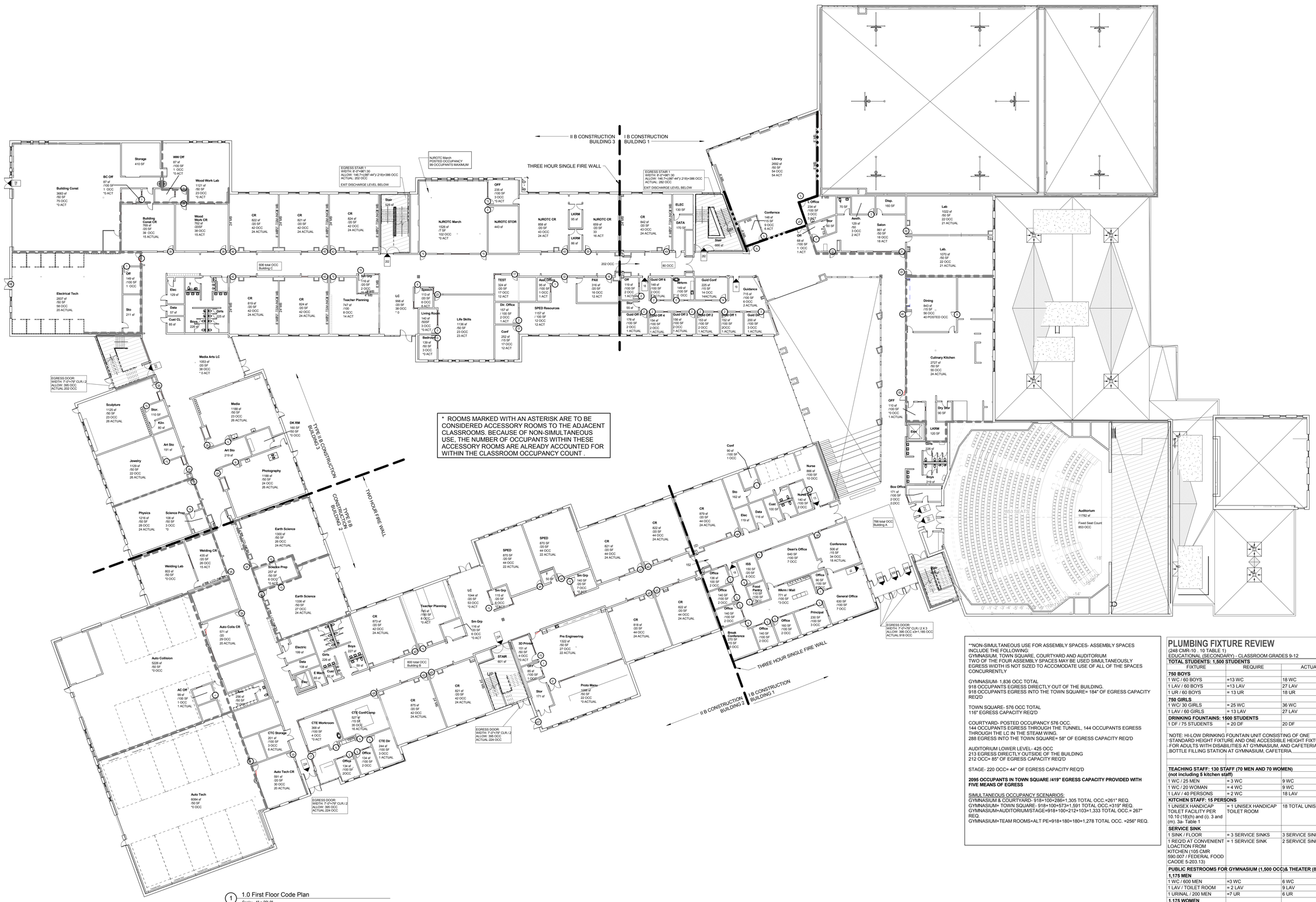

* ROOMS MARKED WITH AN ASTERISK ARE TO BE CONSIDERED ACCESSORY ROOMS TO THE ADJACENT CLASSROOMS. BECAUSE OF NON-SIMULTANEOUS USE, THE NUMBER OF OCCUPANTS WITHIN THESE ACCESSORY ROOMS ARE ALREADY ACCOUNTED FOR WITHIN THE CLASSROOM OCCUPANCY COUNT .

1 1.0 First Floor Code Plan
Scale: 1" = 20'-0"

**NON-SIMULTANEOUS USE FOR ASSEMBLY SPACES- ASSEMBLY SPACES INCLUDE THE FOLLOWING:
GYMNASIUM, TOWN SQUARE, COURTYARD AND AUDITORIUM
TWO OF THE FOUR ASSEMBLY SPACES MAY BE USED SIMULTANEOUSLY
EGRESS WIDTH IS NOT SIZED TO ACCOMODATE USE OF ALL OF THE SPACES CONCURRENTLY

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918 OCCUPANTS EGRESS INTO THE TOWN SQUARE= 184" OF EGRESS CAPACITY REQ'D

TOWN SQUARE- 576 OCC TOTAL
116" EGRESS CAPACITY REQ'D

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144 OCCUPANTS EGRESS THROUGH THE TUNNEL, 144 OCCUPANTS EGRESS THROUGH THE LC IN THE STEAM WING.
288 EGRESS INTO THE TOWN SQUARE= 58" OF EGRESS CAPACITY REQ'D

AUDITORIUM LOWER LEVEL- 425 OCC
213 EGRESS DIRECTLY OUTSIDE OF THE BUILDING
212 OCC= 85" OF EGRESS CAPACITY REQ'D

STAGE- 220 OCC= 44" OF EGRESS CAPACITY REQ'D

2095 OCCUPANTS IN TOWN SQUARE /419" EGRESS CAPACITY PROVIDED WITH FIVE MEANS OF EGRESS

SIMULTANEOUS OCCUPANCY SCENARIOS:
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GYMNASIUM+TEAM ROOMS+ALT PE=918+180+180=1,278 TOTAL OCC. =256" REQ.

FIRST FLOOR PLAN

OCCUPANT LOAD	2,025 OCC
EGRESS CAPACITY STAIRS	772 OCC
EGRESS CAPACITY DOORS	2,370 OCC
TOTAL CAPACITY	3,142 OCC

PLUMBING FIXTURE REVIEW

(248 CMR-10 . 10 TABLE 1)
EDUCATIONAL (SECONDARY) - CLASSROOM GRADES 9-12

TOTAL STUDENTS: 1,500 STUDENTS FIXTURE	REQUIRE	ACTUAL
750 BOYS		
1 WC / 60 BOYS	=13 WC	18 WC
1 LAV / 60 BOYS	=13 LAV	27 LAV
1 UR / 60 BOYS	= 13 UR	18 UR
750 GIRLS		
1 WC/ 30 GIRLS	= 25 WC	36 WC
1 LAV / 60 GIRLS	= 13 LAV	27 LAV
DRINKING FOUNTAINS: 1500 STUDENTS		
1 DF / 75 STUDENTS	= 20 DF	20 DF
NOTE: HI-LOW DRINKING FOUNTAIN UNIT CONSISTING OF ONE STANDARD HEIGHT FIXTURE AND ONE ACCESSIBLE HEIGHT FIXTURE FOR ADULTS WITH DISABILITIES AT GYMNASIUM, AND CAFETERIA + 1 BOTTLE FILLING STATION AT GYMNASIUM, CAFETERIA		
TEACHING STAFF: 130 STAFF (70 MEN AND 70 WOMEN) (not including 5 kitchen staff)		
1 WC / 25 MEN	= 3 WC	9 WC
1 WC / 20 WOMAN	= 4 WC	9 WC
1 LAV / 40 PERSONS	= 2 WC	18 LAV
KITCHEN STAFF: 15 PERSONS		
1 UNISEX HANDICAP TOILET FACILITY PER 10.1S (1)(h) and (i). 3 and (m). 3a- Table 1	= 1 UNISEX HANDICAP TOILET ROOM	18 TOTAL UNISEX
SERVICE SINK		
1 SINK / FLOOR	= 3 SERVICE SINKS	3 SERVICE SINKS
1 REQ'D AT CONVENIENT LOACTION FROM KITCHEN (105 CMR 590.007 / FEDERAL FOOD CAODE 5-203.13)	= 1 SERVICE SINK	2 SERVICE SINKS
PUBLIC RESTROOMS FOR GYMNASIUM (1,500 OCC)& THEATER (850 OCC)		
1,175 MEN		
1 WC / 600 MEN	=3 WC	6 WC
1 LAV / TOILET ROOM	= 2 LAV	9 LAV
1 URINAL / 200 MEN	=7 UR	6 UR
1,175 WOMEN		
1 WC / 200 WOMEN	=7 WC	12 WC
1 LAV / TOILET ROOM	= 2 LAV	9 LAV

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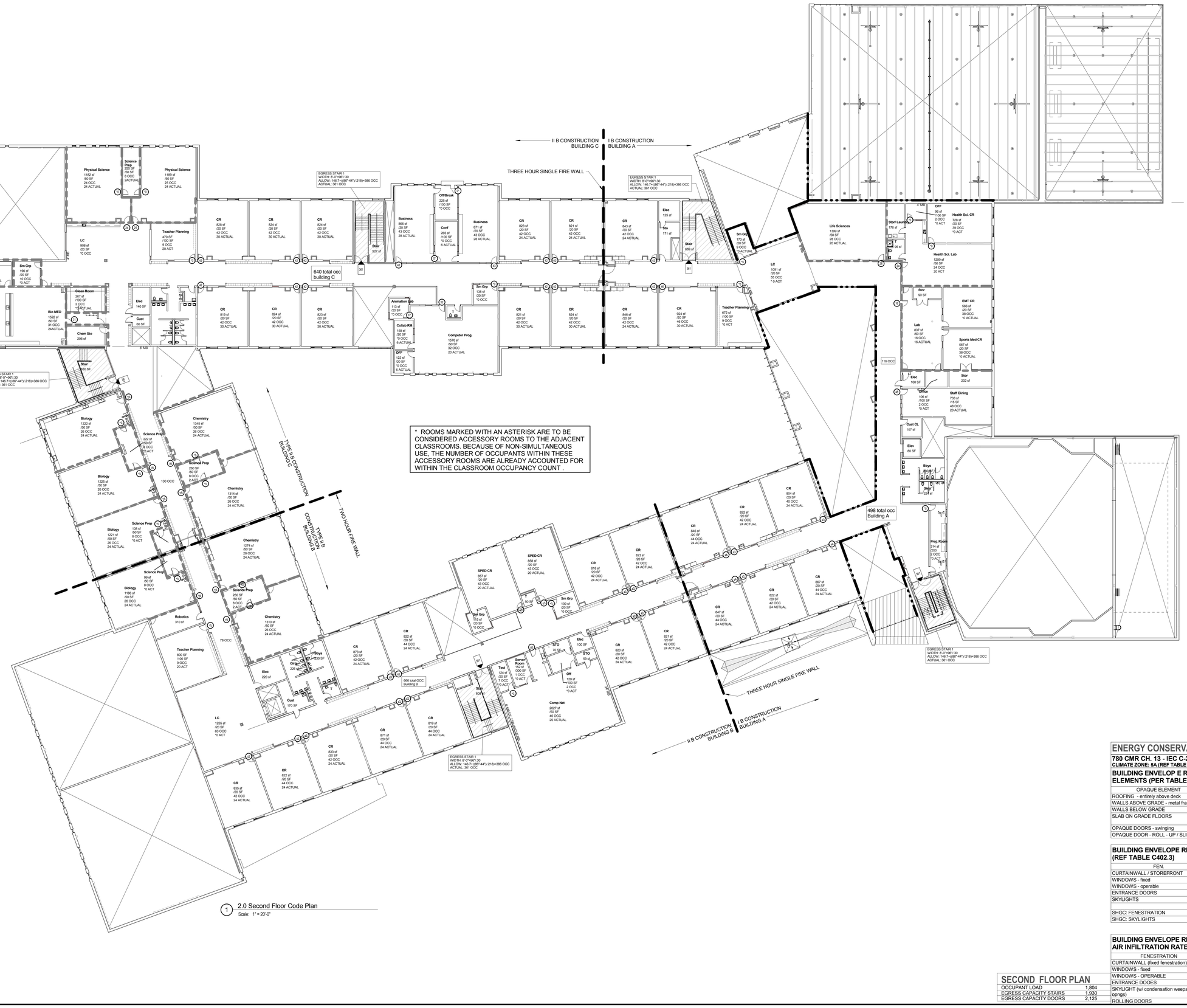

1 2.0 Second Floor Code Plan
Scale: 1" = 20'-0"

ENERGY CONSERVATION REVIEW

780 CMR CH. 13 - IEC C-2012 INTERN'L BUILDING CODE
CLIMATE ZONE: 5A (REF TABLE 301.1)

BUILDING ENVELOP E REQUIREMENTS - OPAQUE ELEMENTS (PER TABLE C402.1.2 & C402.2)

OPAQUE ELEMENT	REQUIRED	PROVIDED
ROOFING - entirely above deck	R=25ci	
WALLS ABOVE GRADE - metal framed	U=0.064	
WALLS BELOW GRADE	R=7.5ci	
SLAB ON GRADE FLOORS	R=10 for 24" below	
OPAQUE DOORS - swinging	U=.37	
OPAQUE DOOR - ROLL - UP / SLIDING	U=50	

BUILDING ENVELOPE REQUIREMENTS - FENESTRATION (REF TABLE C402.3)

FEN.	REQUIRED	PROVIDED
CURTAINWALL / STOREFRONT	U=0.38	
WINDOWS - fixed	U=0.38	
WINDOWS - operable	U=0.45	
ENTRANCE DOORS	U=0.77	
SKYLIGHTS	U=0.50	
SHGC: FENESTRATION	.40	
SHGC: SKYLIGHTS	.40	

BUILDING ENVELOPE REQUIREMENTS - FENESTRATION AIR INFILTRATION RATES (REF TABLE C402.4.3)

FENESTRATION	REQUIRED	PROVIDED
CURTAINWALL (fixed fenestration)	0.06 cfm/ft2	
WINDOWS - fixed	0.20 cfm/ft2	
WINDOWS - OPERABLE	0.20 cfm/ft2	
ENTRANCE DOOES	1.00 cfm/ft2	
SKYLIGHT (w/ condensation weepage opngs)	0.30 cfm/ft2	
ROLLING DOORS	1.00 cfm/ft2	

SECOND FLOOR PLAN

OCCUPANT LOAD	1,804
EGRESS CAPACITY STAIRS	1,930
EGRESS CAPACITY DOORS	2,125

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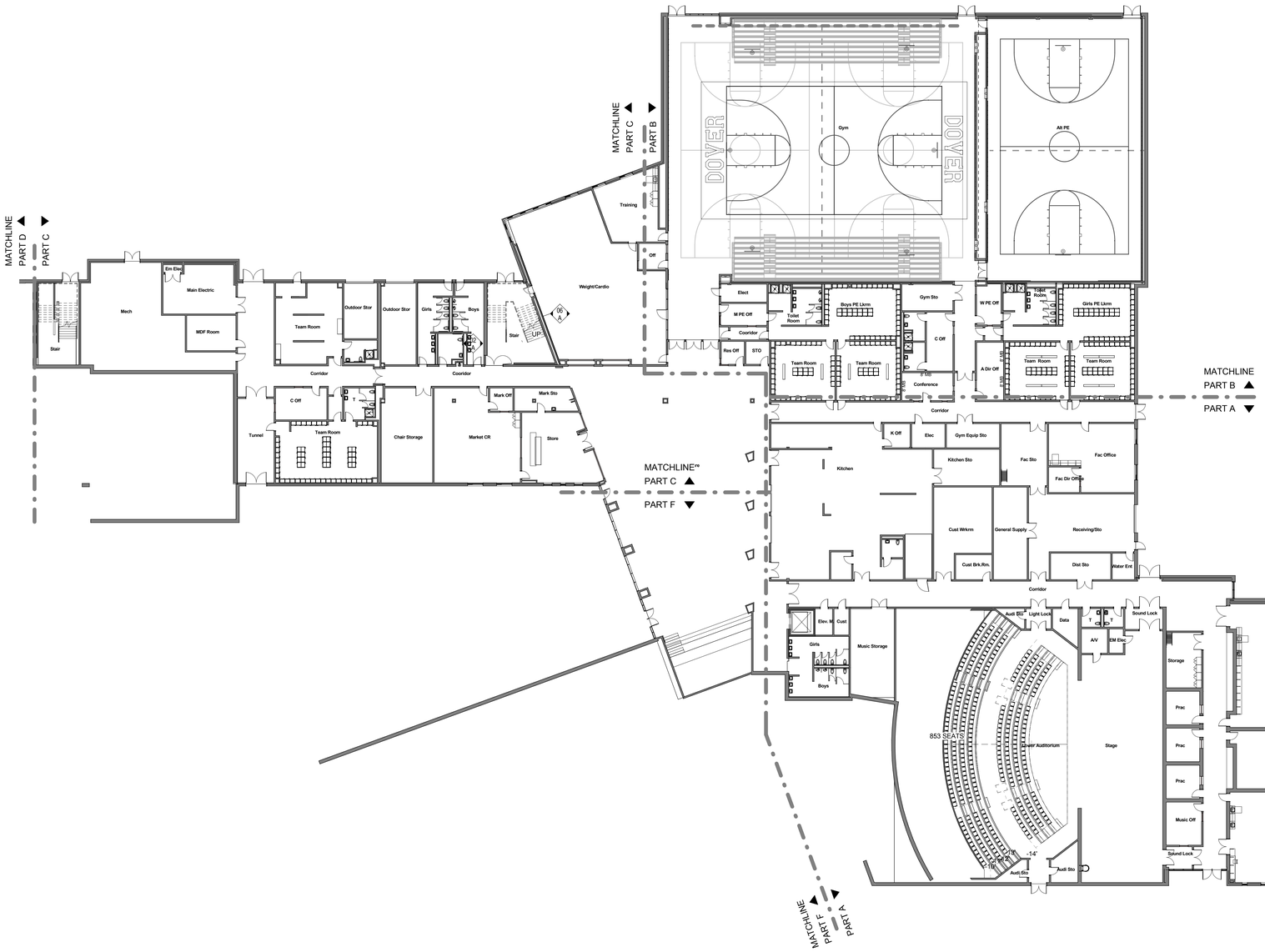


ABBREVIATIONS-FLOOR PLAN

BK	= BOOK SHELF UNIT	064020
CS	= CLOCK SPEAKER UNIT	260000
CONC-P	=RAISED CONCRETE PAD	033000
CUH	=CABINET UNIT HEATER	230000
CWFP	=CEMENT WOOD FIBER PANEL	064020
CWFP	=CEMENT WOOD FIBER PANEL W/ TRIM	064020
DD	=DISPLACEMENT DIFFUSER	230000
DF	= DRINKING FOUNTAIN	220000
EJC	=EXPANSION JOINT COVER	079500
EM-R	=ENTRY MAT-RECESSED	124810
EVAC	=EMERGENCY VOICE EVACUATION PANEL	260000
EWC	=ELECTRIC WATER COOLER	220000
FAA	=FIRE ALARM ANNUNCIATOR PANEL	260000
FACP	= FIRE ALARM CONTROL PANEL	260000
FD	= FLOOR DRAIN	220000
FDVC	=FIRE DEPARTMENT VALVE CABINET	210000
FE-B	= FIRE EXTINGUISHER- BRACKET MTD	104400
FE-R	= FIRE EXTINGUISHER-RECESSED CABINET	104400
FTR	= FIN TUBE RADIATION	230000
HC	= HANDICAPPED ACCESSIBLE	
HS	= HANDSINK	114000
MB	= MARKER BOARD	101100
MB-C	= MARKERBOARD-CUSTOM FRAME 064020	101100
PS-S	= PROJECTION SCREEN-SURFACE MTD	260000
PTD-S	= PAPER TOWEL DISPENSER-SURFACE MTD	102800
SD-S	= SOAP DISPENSER	102800
TB	=TACKBOARD	101100
TB-C	=TACKBOARD-CUSTOM FRAME 064020	101100
GS	=GENERAL STORAGE UNIT	116000
TW	=TEACHER'S WADROBE UNIT	116000

ABBREVIATIONS-ROOM FINISH SCHEDULE

(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

AFC-1	= ARCH. FINISHED CONCRETE TYPE 1	033650
AFC-2	= ARCH. FINISHED CONCRETE TYPE 2	033650
CRPT	= CARPET	096820
CT	= CERAMIC TILE	093000
CT-CB	= CERAMIC TILE - COVE BASE	093000
EM	= ENTRY MAT	124810
EXP-C	= EXPOSED CONCRETE /HARDENER	033000
HBD-PNT	= PAINTED HARDBOARD SYSTEM	096400
IRFT	= INTERLOCKING RUBBER FLOOR TILE	096400
FRP	= FIBERGLASS REINFORCED PANELS	096400
PCT	= PORCELAIN TILE	093000
PCT-CB	= PORCELAIN TILE - COVE BASE	093000
PNT	= PAINT	099000
PNT-HP	= PAINT - HIGH PERFORMANCE	099000
RF	= RESILIENT FLOORING	096500
RB	= RESILIENT BASE	096500
RBRF	= RUBBER FLOORING	096500
VCB	= VENTILATING COVE BASE	096466
WD	= WOOD PANELING & TRIM	064020
WAF	=WOOD ATHLETIC FLOORING	096466
WDB	= WOOD BASE	096400

ROOM FINISH SCHEDULED NOTES

(a) PROVIDE FULL HEIGHT CT AT WET WALLS IN BATHROOMS, AND UP TO 7' - 2" AT ALL OTHER WALLS

(b) AT ALL SLAB ON GRADE GANGED RESTROOMS, KITCHENS AND LOCATIONS WHERE SLOPING IS REQUIRED TO FLOOR DRAINS, PROVIDE THICKSETFLOOR TILE INSTALATION METHOD.INSTALLATION. AT ALL OTHER CONDITIONS, PROVIDE THINSET FLOOR TILE INSTALLATION METHOD.

(c) REFER TO FLOOR PLAN FOR EXTENT OF MULTIPLE FLOORING MATERIALS REQUIRED.

(d) REFER TO INTERIOR ELEVATIONS FOR EXTENT OF WOOD WALL PANELING AND WOOD TRIM REQUIRED.

(e) AT STAIRS, PROVIDE RUBBER FLOORING AT RISERS AND INTERMEDIATE STAIR LANDINGS; PROVIDE RESILLIENT FLOORING AT FLOOR LEVEL LANDINGS. REFER TO ENLARGED STAIR PLANS FOR EXTENT OF EACH FLOORING MATERIAL.

(f) AT JANITOR'S CLOSETS, PROVIDE FRP UP TO 4' AROUND MOP SINKS

(g) AT MUSIC AND MUSIC PRACTICE SPACES, PROVIDE ACOUSTIC PANELS FROM 2' AFF TO 7' - 2" ON 2 WALLS

(h) RUBBER AT BARN STALLS TO BE HEAVY DUTY AGRICULTURAL USE RUBBER

MASTER ROOM FINISH SCHEDULE

Room Key	BASE	FLOOR	NORTH	SOUTH	EAST	WEST	REMARKS
VESTIBULES / CORRIDORS / LOBBIES							
A1	PCT-CB	EM/PCT	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(c)
A2	PCT-CB	PCT	CT/PNT	CT/PNT	CT/PNT	CT/PNT	
A3	CT-CB	AFC-1	CT/PNT	CT/PNT	CT/PNT	CT/PNT	
A4	CT-CB	RF	CT/PNT	CT/PNT	CT/PNT	CT/PNT	
ASSEMBLY SPACES							
B1	VCB	WAF	PNT	PNT	PNT	PNT	
B2	WDB	HBD-PNT	PNT	PNT	PNT	PNT	
B3	WB	AFC-1/C RPT	WD/PNT	WD/PNT	WD/PNT	WD/PNT	(d)
B4			PNT	PNT	PNT	PNT	
CLASSROOMS							
C1	RB	RF	PNT	PNT	PNT	PNT	(g)
C2	RB	AFC-1	PNT	PNT	PNT	PNT	
C3	RB	EXP-C	PNT	PNT	PNT	PNT	
C4	RB	IRFT	PNT	PNT	PNT	PNT	
C5	RB	AFC-1	PNT	PNT	PNT	PNT	(h)
OFFICES							
D1	RB	RF	PNT	PNT	PNT	PNT	
STAIRS							
E1	RB	RBRF	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(a) (e)
TOILET ROOMS / LOCKER ROOMS							
F1	CT-CB	CT	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(a) (b)
F2	RB	CT	PNT	PNT	PNT	PNT	
SERVICE ROOMS / STORAGE / KITCHEN							
G1	RB	EXP-C	PNT	PNT	PNT	PNT	(f)
G2	RB	RF	PNT	PNT	PNT	PNT	
G3	PCT-CB	PCT	FRP	FRP	FRP	FRP	(b)

GENERAL NOTES-ROOM FINISH SCHEDULE

1) REFER TO SHEET A8.1b FOR TYPICAL TILE INSTALLATION DETAILS.

2) REFER TO SHEET A8.1a FOR DIMENSIONAL CRITERIA ART ROOMS WITH CERAMIC TILE WALL FINISH.

3) XXX

GENERAL NOTES-FLOOR PLAN

1) FLOOR PLAN GENERAL NOTES, FLOOR PLAN LEGEND & ABBREVIATIONS APPLY TO THE A2 SERIES SHEETS.

2) REFER TO INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION ON WALL FINISH MATERIALS AND TYPICAL MOUNTING HEIGHTS.

3) REFER TO DOOR AND BORROWED LIGHT SCHEDULE AND DETAILS FOR MATERIAL S/ CONSTRUCTION OVER HEADS OF FLOOR TO CEILING FRAMES.

4) REFER TO REFLECTED CEILING PLANDS FOR CEILING FINISH MATERIALS.

5) INTERIOR DIMENSIONS SHOWN ARE INDICATED TO FINISH WALL (MASONRY OR GYPSUM BORAD) MATERIALS UNLESS NOTED OTHERWISE.

6) EXTERIOR MASONRY DIMENSIONS ARE SHOWN TO CENETLINE OF OF JOINTS.

7) EXTERIOR FENESTRATION MASONRY OPENINGS (MO) DIMENSIONS SHOWN ARE NOMINAL. REFER TO ASSOCIATED FENESTRATION SCHEDULE FOR ACTUAL OPENING DIMENSIONS REQUIRED (AO).

8) MEPFP ELEMENTS SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. REFER TO ASSOCIATED MEPFP DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.

9) XXX

EXISTING WALL OR PARTITION TO REMAIN

NEW WALL OR PARTITION

MASONRY WALL OR INFILL (SEE PARTITION TYPES & DETAILS FOR MORE INFORMATION) — CMU / BRICK

INTERIOR PARTITION TYPES TAG (SEE DRAWING A8.1) — 01 A 0HR, 01 A 1HR, 01 A 2HR

DOOR NUMBER TAG (SEE SCHEDULE A9.1) — A101.5

INTERIOR BORROWED LIGHT TAG (SEE SCHEDULE A9.1) — BL 01

PLASTIC LAMINATE COUNTER TYPE -TYPE A
PLASTIC LAMINATE COUNTER TYPE - WITH SINK -TYPE AS
PLASTIC LAMINATE COUNTER TYPE - COMPUTER COUNTER WITH GROMMETS -TYPE AC
PLASTIC LAMINATE COUNTER TYPE - WITH GRILL -TYPE AG
PLASTIC LAMINATE COUNTER TYPE - CHEMICAL RESISTANT -TYPE B
PLASTIC LAMINATE COUNTER TYPE - CHEMICALRESISTANT - WITH SINK -TYPE BS
RESIN COUNTER TYPE -TYPE R
RESIN COUNTER TYPE - WITH SINK -TYPE RS
STAINLESS STEEL SINK TYPE -SS-X
INTEGRAL RESIN SINK TYPE -RS-X
FIXED CASEWORK SYMBOLS (SEE 11XXXX)

ROOM NAME → Room name AXXX A1
BUILDING PART LOCATOR (SEE KEYPLAN)
ROOM NUMBER
ROOM FINISH TYPE (SEE ROOM FINISH SCHEDULE)

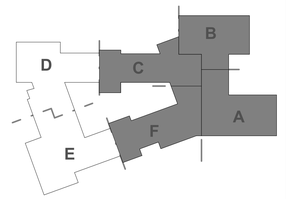
RECESSED ENTRANCE MAT

MECHANICAL, PLUMBING & FIRE PROTECTION ELEMENTS (SEE GENERAL NOTE #6)

KEYNOTE LIST

033000	CAST-IN-PLACE CONCRETE
033650	CONCRETE FINISH
064020	INTERIOR ARCHITECTURAL WOODWORK
079500	EXPANSION CONTROL
093000	TILING
096400	WOOD FLOORING
096466	WOOD ATHLETIC FLOORING
096500	RESILIENT FLOORING
096820	SHEET CARPETING
099000	PAINTING AND COATING
101100	VISUAL DISPLAY SURFACES
102800	TOILET ACCESSORIES
104400	FIRE PROTECTION SPECIALTIES
114000	FOOD SERVICE EQUIPMENT
116000	FIXED CASEWORK AND EQUIPMENT
124810	ENTRANCE FLOOR MATS AND FRAMES
210000	Division 21 - Fire Suppression
220000	Division 22 - Plumbing
230000	Division 23 - Heating Ventilating and Air Conditioning
260000	Division 26 - Electrical

KEYPLAN



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Corridor
C 0-2 A3

K Off
021D D1

Elec
021E G1

Gym Equip Sto
022 G2

Kitchen
021 G3

Fac Sto
017 G2

Fac Office
023 D1

Fac Dir Office
023A D1

Kitchen Sto
021F G2

Servery
021A G3

2HR INTUMESCENT PAINT

Cust Wrkrm
020 G2

2HR INTUMESCENT PAINT

T
021C F2

General Supply
016A G2

Receiving/Sto
016 G2

K Off
021B D1

Cust Brk.Rm.
019 D1

Dist Sto
015 G2

Water Ent
018 G1

8' - 0"

26' - 0"

42' - 4"

8' - 0"

Corridor
C 0-1 A3

Audi Sto
003F G2

Light Lock
003E B3

Data
004 G1

T
005 F2

T
006 F2

Sound Lock
03D B3

Music Learning
LC 0-1 A3

Cust
001D G1

Elec. M.
001C G1

Girls
001B F1

Music Storage
002 G2

A/V
003B G1

2M Elec
003C G1

Storage
007 G2

Corridor
C 0-1 A3

Band
014 C1
2390 SF

SHIPS LADDER

SIM

Boys
001A F1

FOUNDATION WALL SEE STRUCTURE. PROVIDE WATER PROOFING ON THIS SIDE

853 SEATS

Lower Auditorium
003 B3

50' - 0"

Stage
003A B2

13' - 0 5/8"

Prac
008 C1

Prac
009 C1

Prac
010 C1

Keyboarding
013 C1

Music Off
011 D1

Sound Lock
03F B3

Music CR
012 C1

9' - 1 1/4"

Audi Sto
003G G2

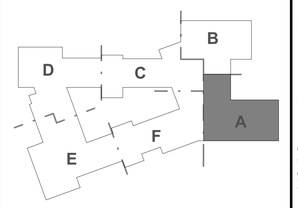
Audi Sto
003E G2

-14'

-10'

1' - 8"

KEYPLAN



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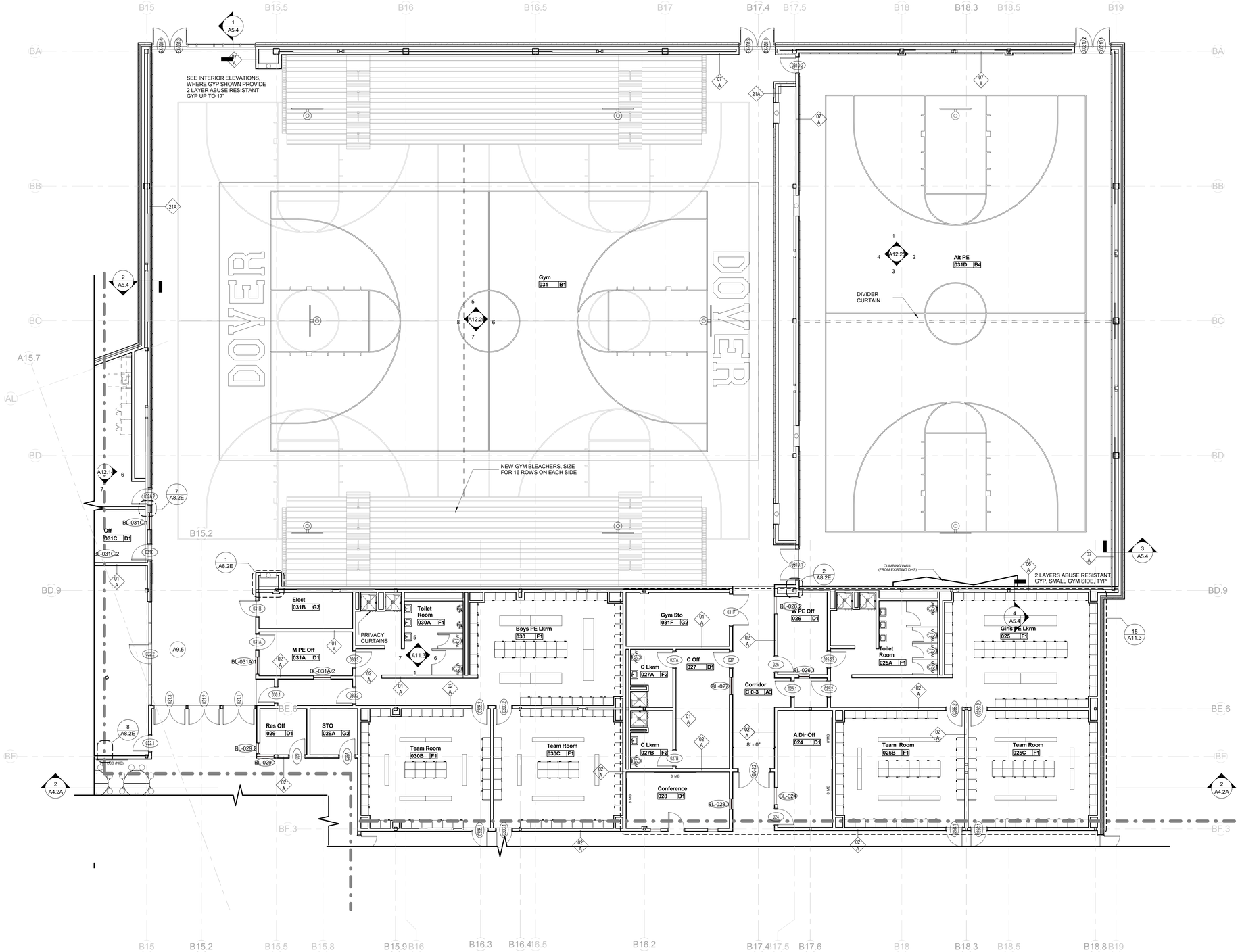

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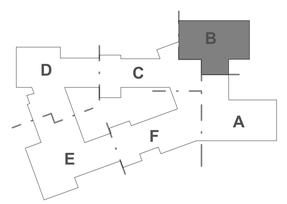

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Stair
S 3-0 E1

Em Elec
043A G1

Main Electric
043 G1

Mech
041 G1

MDF Room
042 G1

Tunnel
044 A3

Team Room
040 F1

Outdoor Stor
038 G2

Outdoor Stor
036 G2

Corridor
C 0-5 A3

C Off
039 D1

Team Room
037 C1

Chair Storage
035 G2

Girls
034C F1

Boys
034A F1

Stair
S 2-0 E1

Weight/Cardio
032 C4

Training
032A F1

Off
031C D1

Mark Off
033C D1

Mark Sto
033B G2

Market CR
033 C1

Store
033A C1

STO
029A G2

EXPANSION JOINT

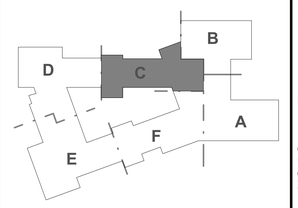
ABUSE RESISTANT GYP

EXPOSED COLUMNS TO BE INTUMESCENT PAINT, WRAPED IN WALL PAD

DISPLAY CASES

DISPLAY PLATFORM

KEYPLAN



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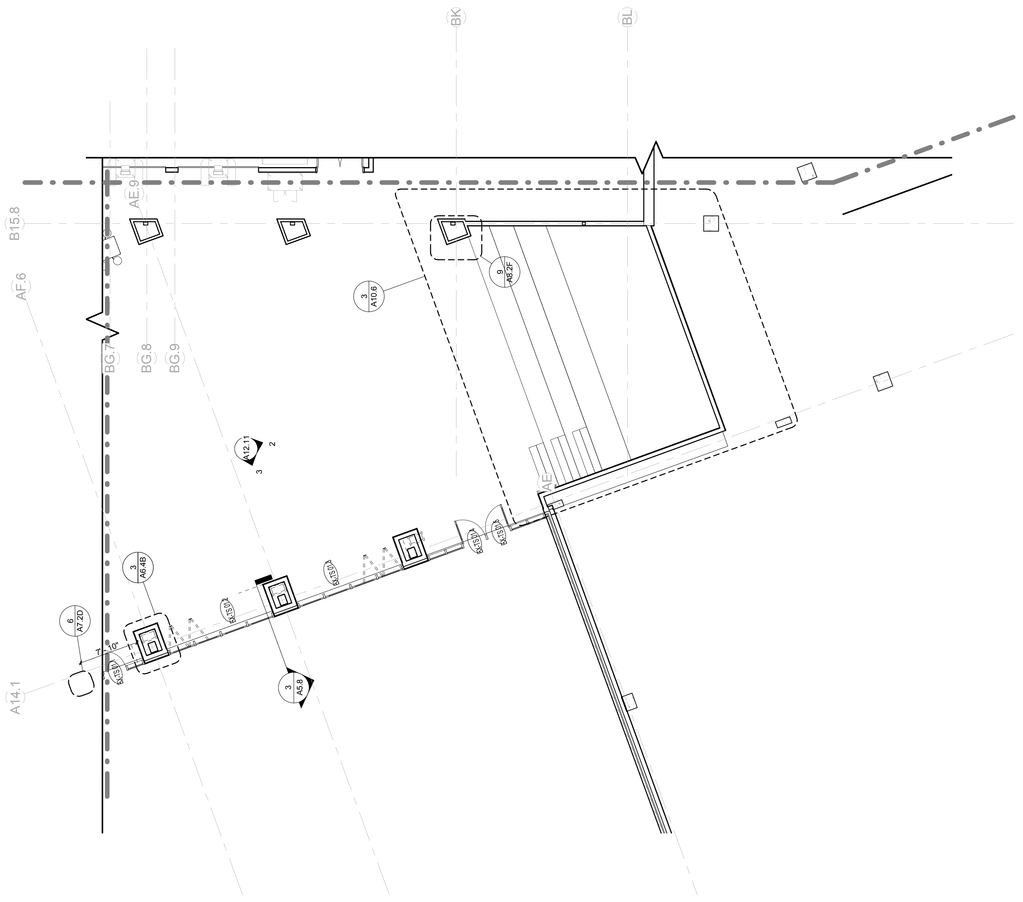

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Ground Level - Part F

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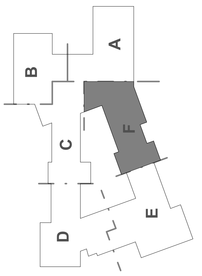

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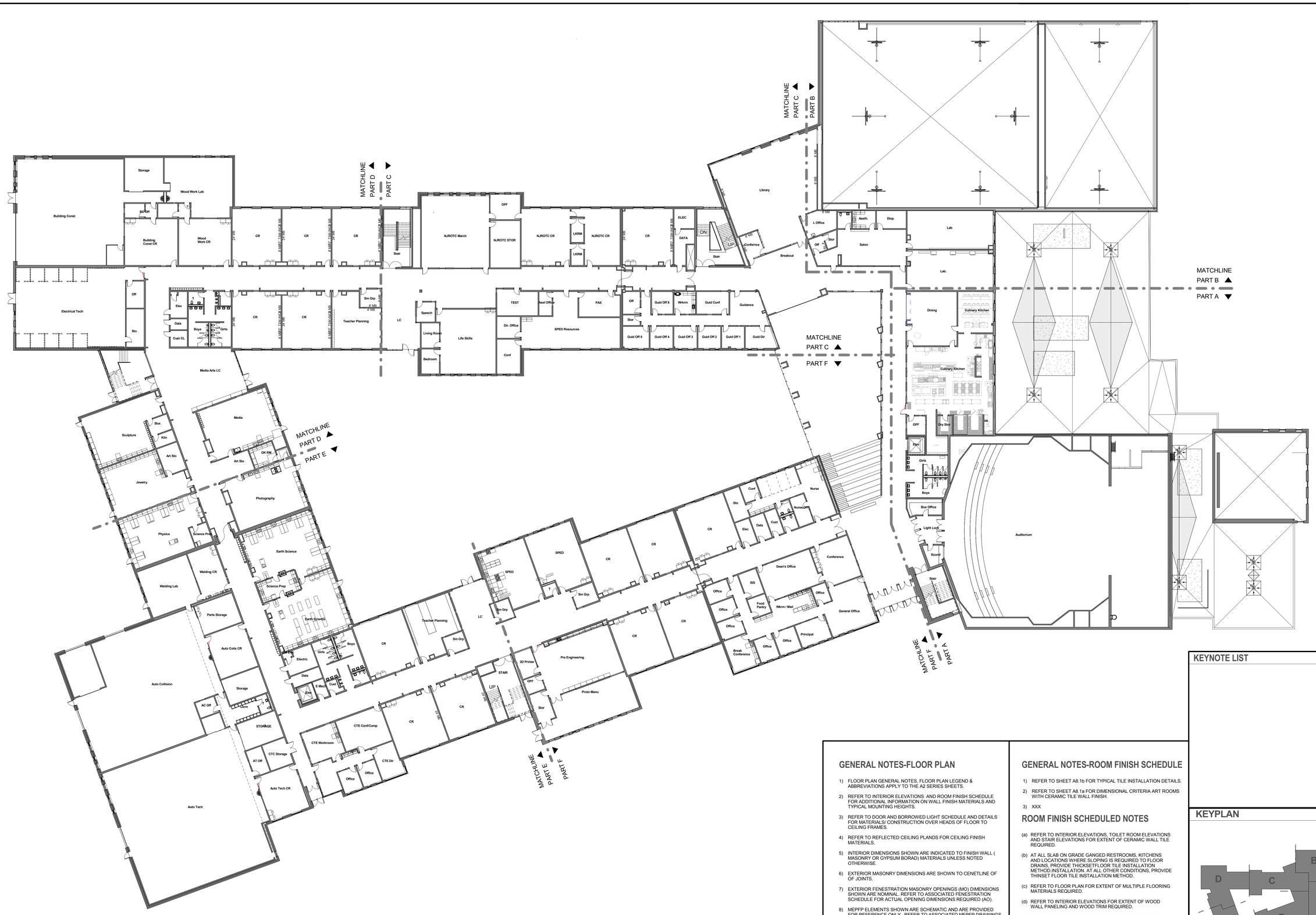
MATCHLINE PART D
MATCHLINE PART C
MATCHLINE PART B
MATCHLINE PART A
MATCHLINE PART C
MATCHLINE PART F
MATCHLINE PART D
MATCHLINE PART E
MATCHLINE PART E
MATCHLINE PART F
MATCHLINE PART F
MATCHLINE PART A
Storage
Wood Work Lab
Building Const
Building Const CR
Wood Work CR
CR
Stair
NJROTC March
OFF
NJROTC STOR
NJROTC CR
LKRM
NJROTC CR
CR
ELEC
DATA
Library
Conference
Breakout
L Office
Aesth.
Disp.
Lab
Off
Stor.
Salon
Lab.
Electrical Tech
Off
Sto
Elec
Data
Cust CL
Boys
Girls
CR
Teacher Planning
Sm Grp
LC
Speech
Living Room
Bedroom
Life Skills
TEST
Asst Office
PAX
Dir. Office
Conf
SPED Resources
Off
Stor
Guid Off 6
Wrkrm
Guid Conf
Guidance
Guid Off 5
Guid Off 4
Guid Off 3
Guid Off 2
Guid Off 1
Guid Dir
Dining
Culinary Kitchen
Culinary Kitchen
Media Arts LC
Sculpture
Stor.
Kiln
Art Sto
Media
Art Sto
OK RM
Jewelry
Photography
Physics
Science Prep
Welding CR
Welding Lab
Earth Science
Science Prep
Earth Science
Parts Storage
Auto Collis CR
Storage
Auto Collision
AC Off
Derm
STORAGE
Auto Tech
CTC Storage
AT Off
Auto Tech CR
Electric
Data
Girls
Boys
E Mech
Cust
Elec
CR
Teacher Planning
Sm Grp
LC
SPED
SPED
Sm Grp
CR
CR
CTE Workroom
CTE Conf/Comp
CR
CTE Dir
Office
Office
STAIR
3D Printer
Off
Stor
Pre Engineering
Proto Manu
CR
CR
CR
Sto
Conf
Nurse
Elec
Data
Curr
Nurse/Off
Office
Office
Office
Office
Office
ISS
Food Pantry
Dean's Office
Conference
Wkrm / Mail
Office
General Office
Break Conference
Office
Principal
OFF
Dry Sto
Elec
Girls
Boys
Box Office
Light Lock
Sound
Stair
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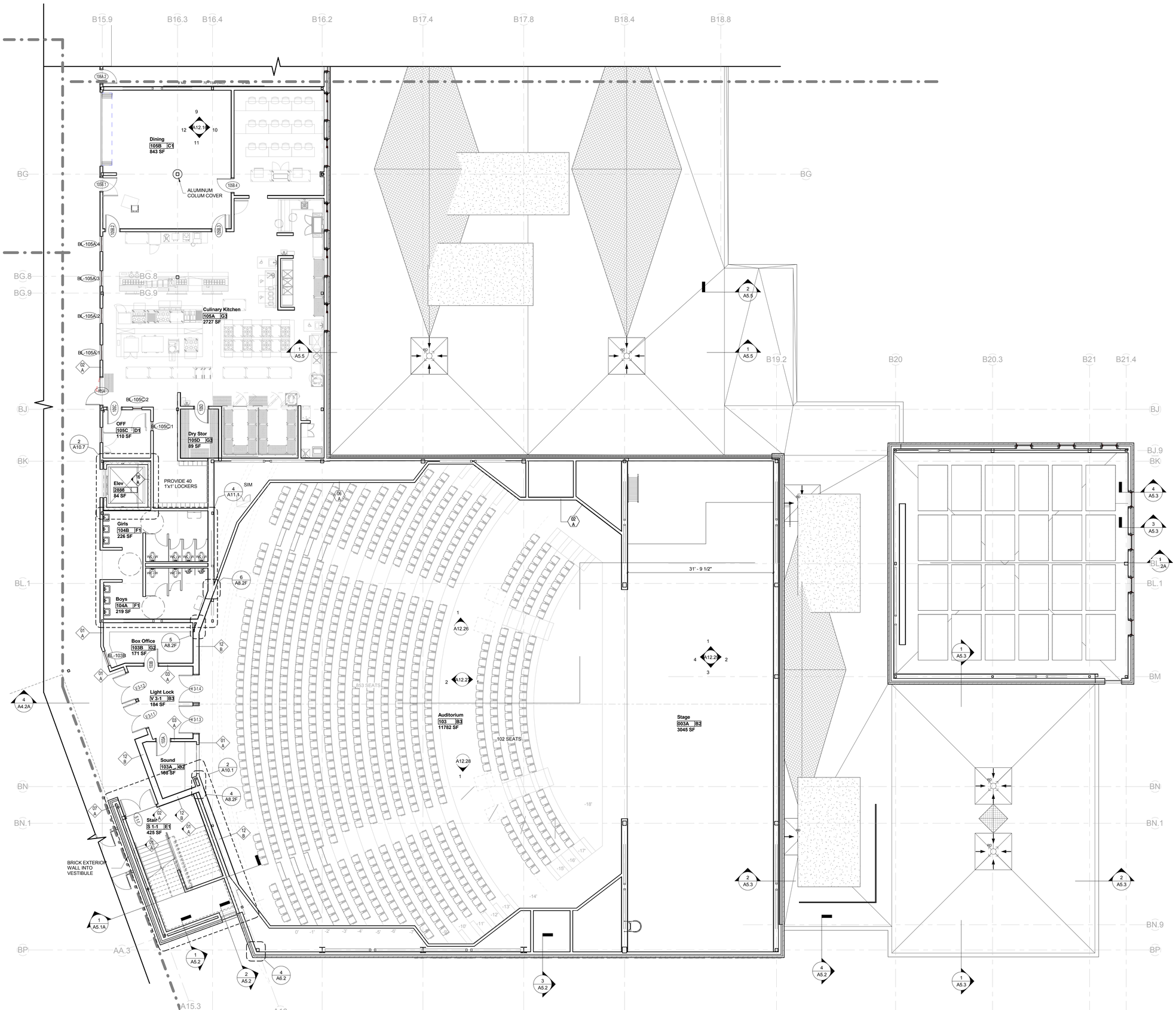
UP
DN
UP
UP
UP



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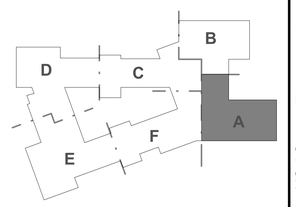

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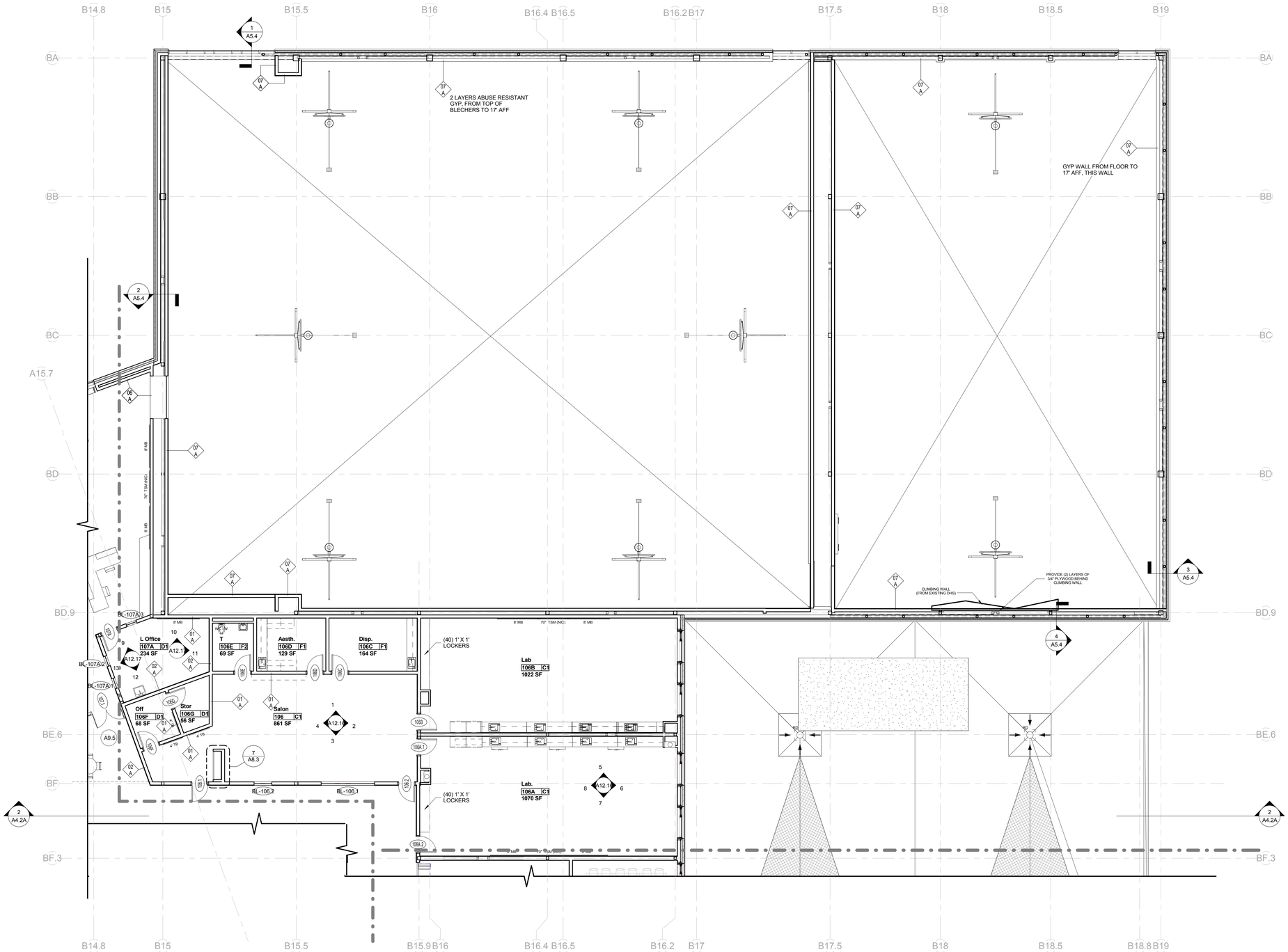

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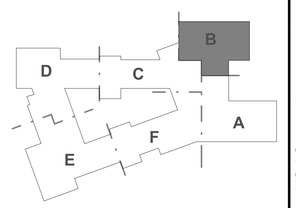

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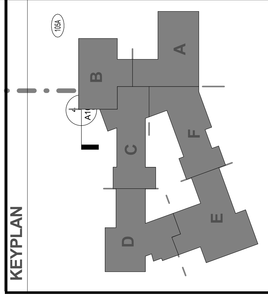

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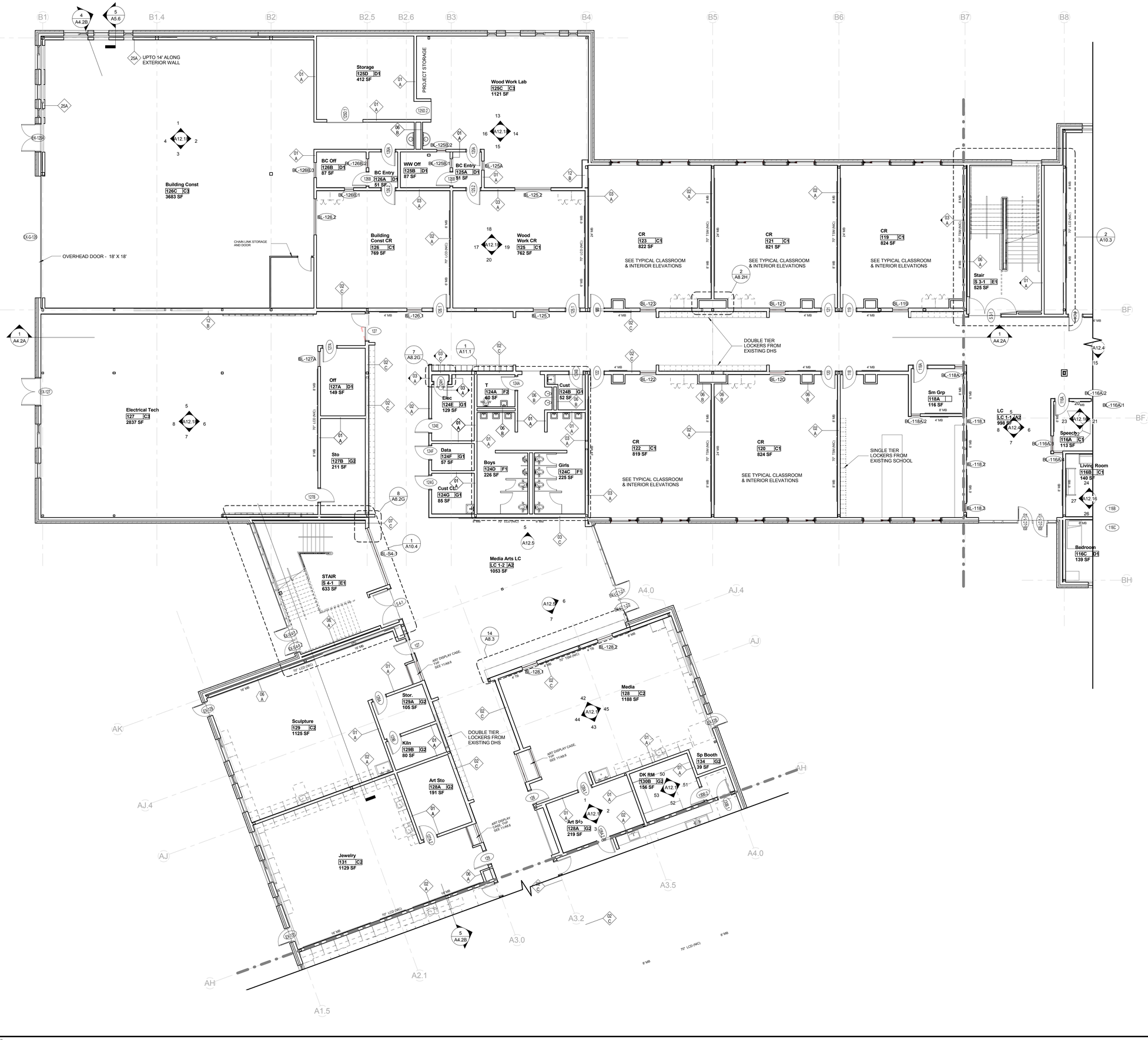

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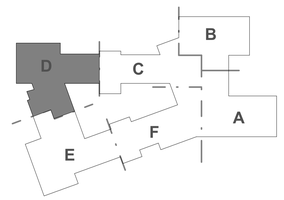

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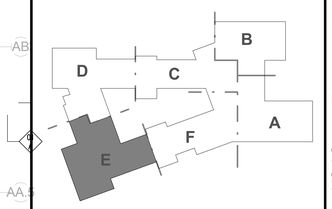
Physics 133 C1
Photography 130 C2
Welding Lab 135A C1
Welding CR 135 C1
Earth Science 132 C1
Science Prep 132A C1
Earth Science 134 C1
Auto Collis CR 136 C1
Auto Collision 136A C3
Parts Storage 138D C3
Storage 138E C3
AC Off 136B D1
Lkrm 136C F1
T 136D F2
STORAGE 138C C3
Auto Tech 138A C3
Auto Tech CR 138 C1
AT Off 138B D1
CTC Storage 137 G2
CTE Workroom 139A D1
CTE Conf/Comp 139B D1
CTC Admin 139 A1
Office 139E D1
Office 139D D1
CTE Dir 139C D1
Vestibule V 2-1 A1
EM Elec 140H G1
Electric 03G F1
Girls 140D F1
Boys 140C F1
Data 140F F1
E Mach 140E G1
Cust 140B G1
T 140A F2
CR 142 C1
CR 141 C1
CR 143 C1
Teacher Planning 144 D1
Sm Grp 144A C1
LC LC 1-3 A2
Sm Grp 146A C1
STAIR S 5-1 E1
WASH BAY
PRE FAB DOWN DRAFT SPRAY BOOTH & MIXING ROOM
CHAINLINK CAGE WITH SLIDING DOOR
CHAINLINK WITH DOOR
FLOOR STRIPING FOR CAR BAYS
PROVIDE 64 1' x 1 LOCKERS
ART DISPLAY CASE, TYP SEE 11/A8.6
SEE FIXED CASEWORK DRAWINGS
UPPER AND LOWER BASE CABINETS
REUSE EXISTING LOCKERS FROM DHS, TYP ALL CORRIDOR LOCKERS
20 LOCKERS DBL TIER
FRP UPTO 6' OVER WALL TYPE SCHEDULED, ENTIRE WALL
UPTO 14'
ADA WALL REPR
UP
GS

KEYPLAN



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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
First Floor Plan - Part E

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
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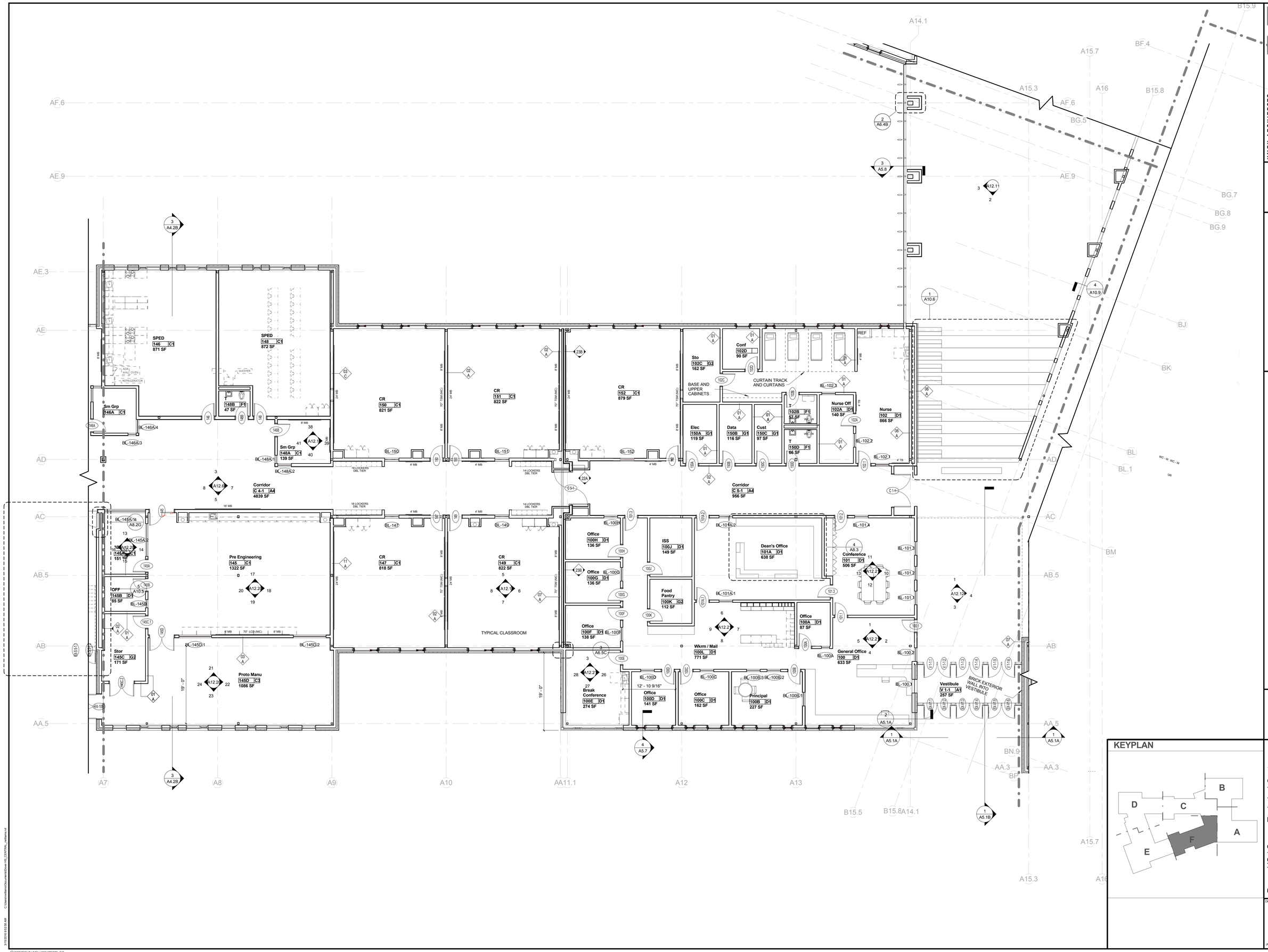

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KEYPLAN

Dover HS / Career Technical Center
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First Floor Plan - Part F

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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Second Floor Plan - Overall

SCALE: 1" = 20'-0" DRAWN BY: Author CHECKED BY: Checker

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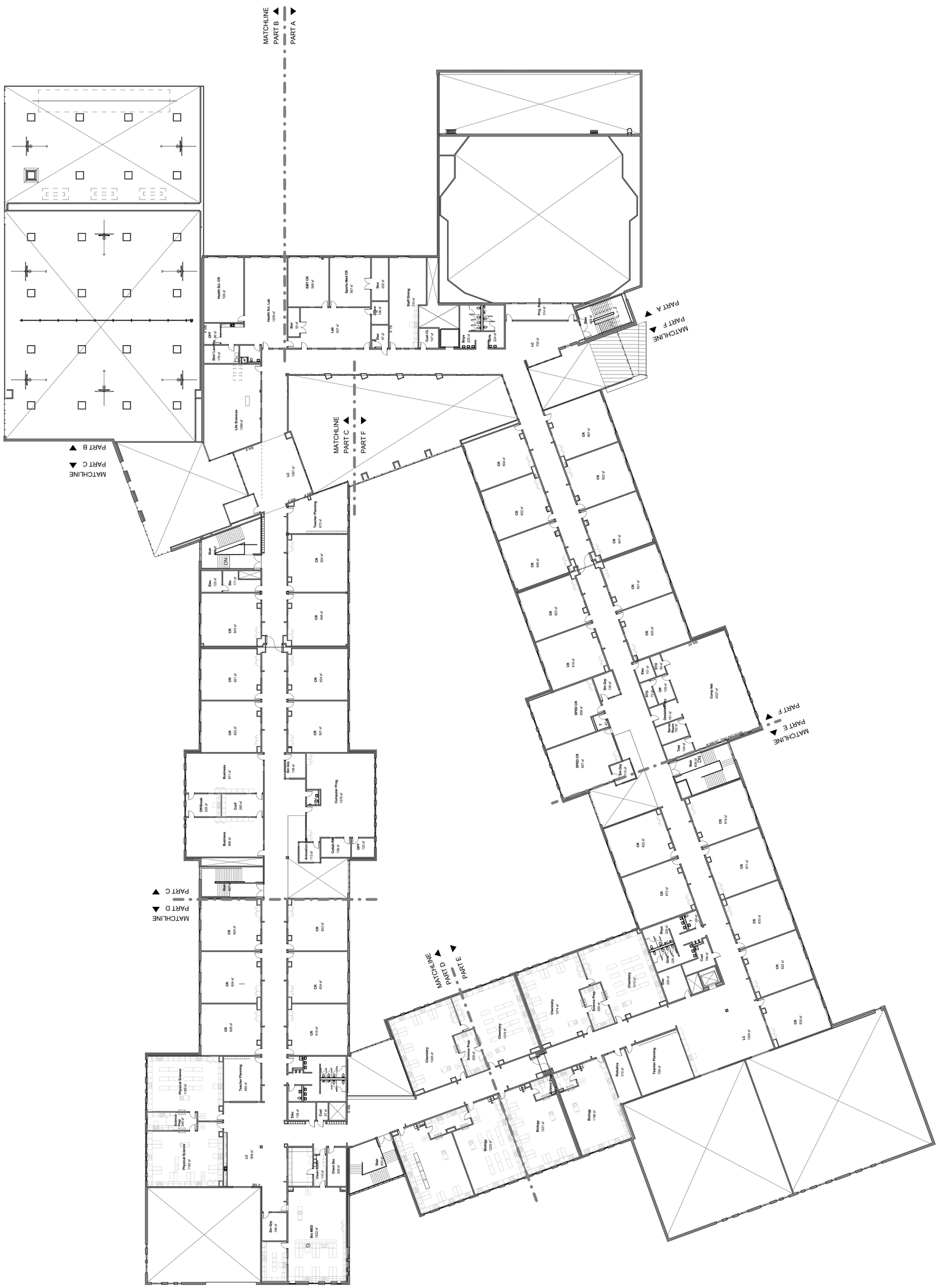

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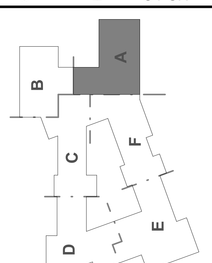
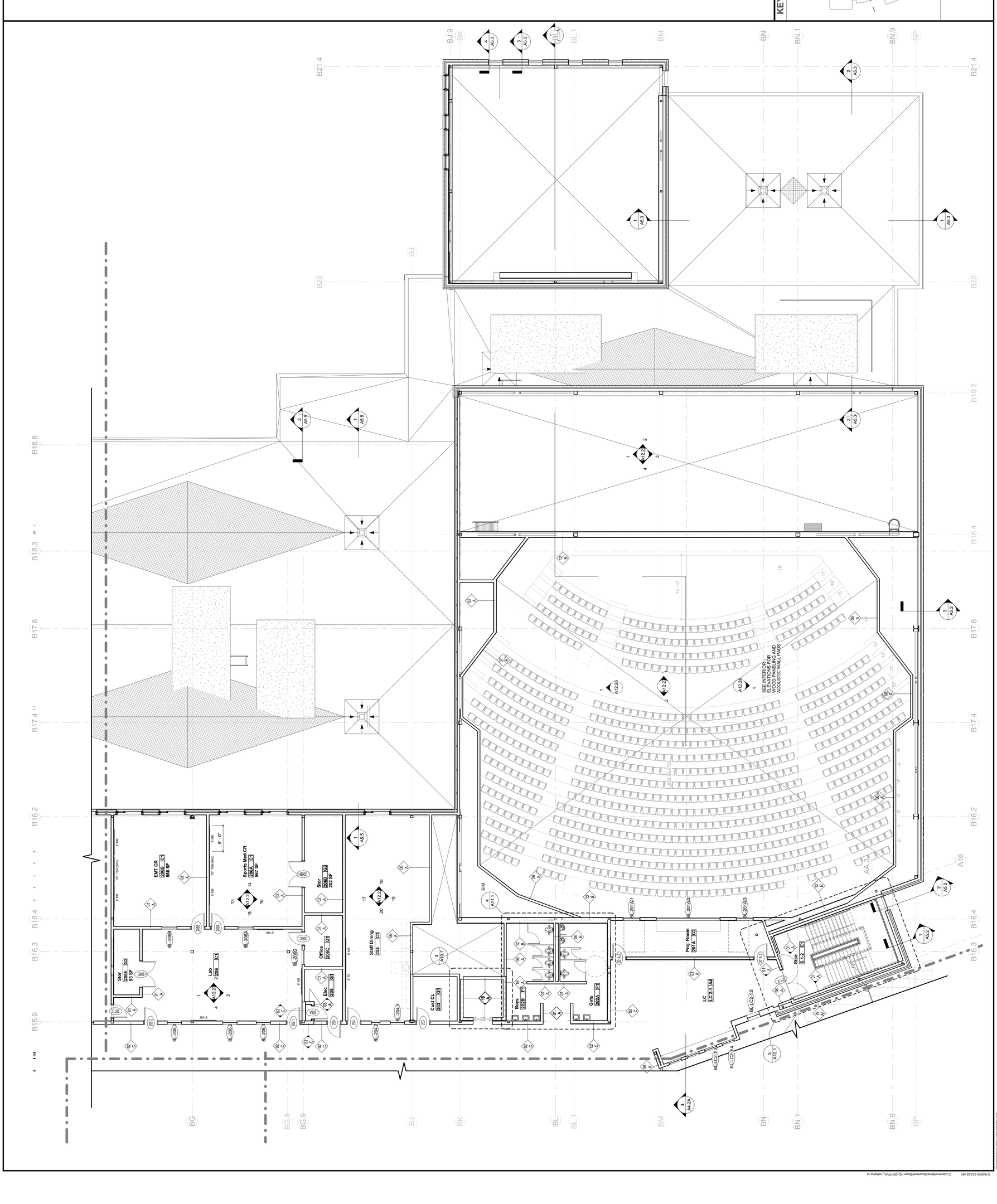
Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Second Floor Plan - Part A

DRAWING NUMBER A2.2A
JOB NUMBER 403114

KEYPLAN





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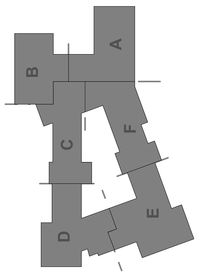
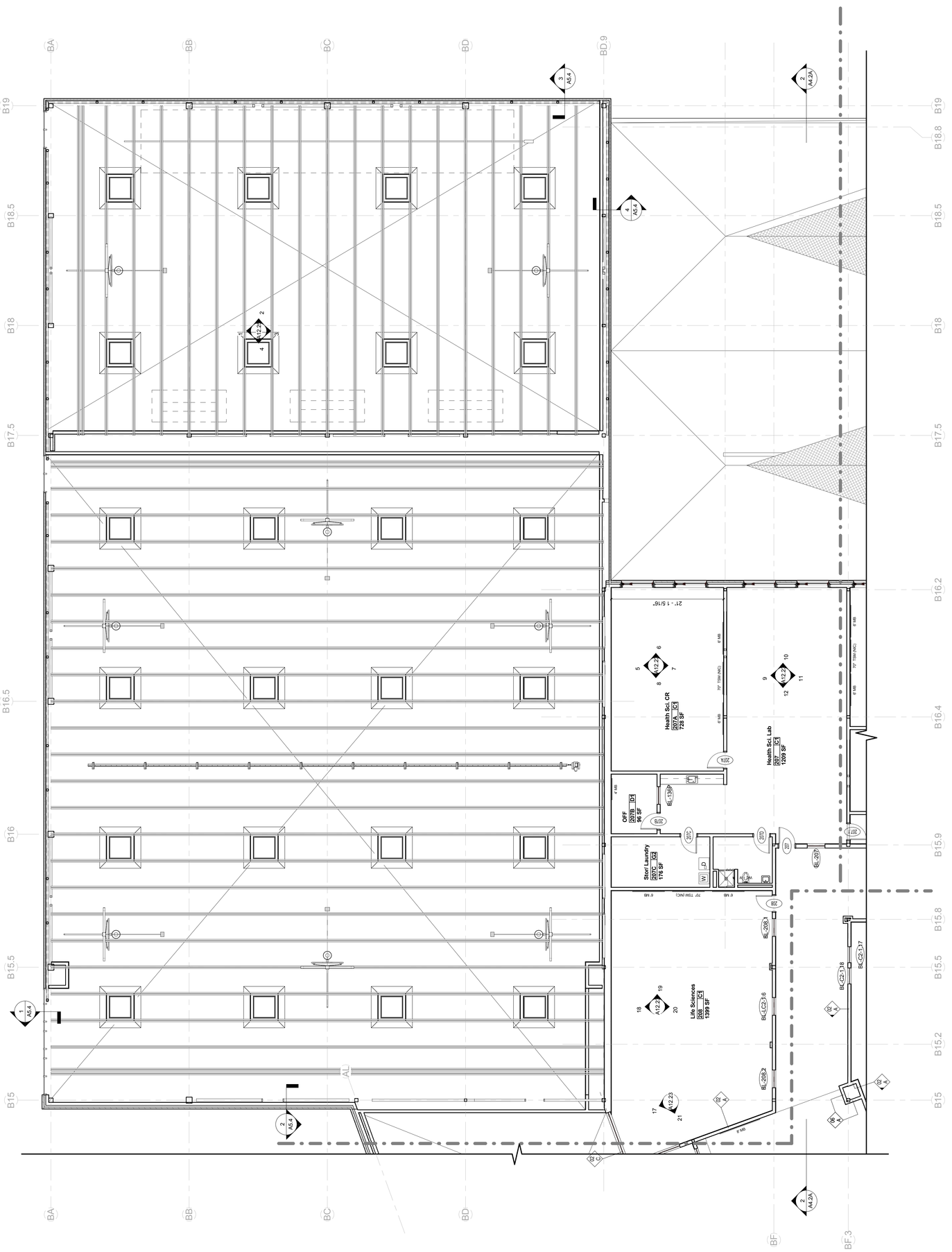
Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Second Floor Plan - Part B

DRAWING NUMBER A2.2B
JOB NUMBER 403114

KEYPLAN





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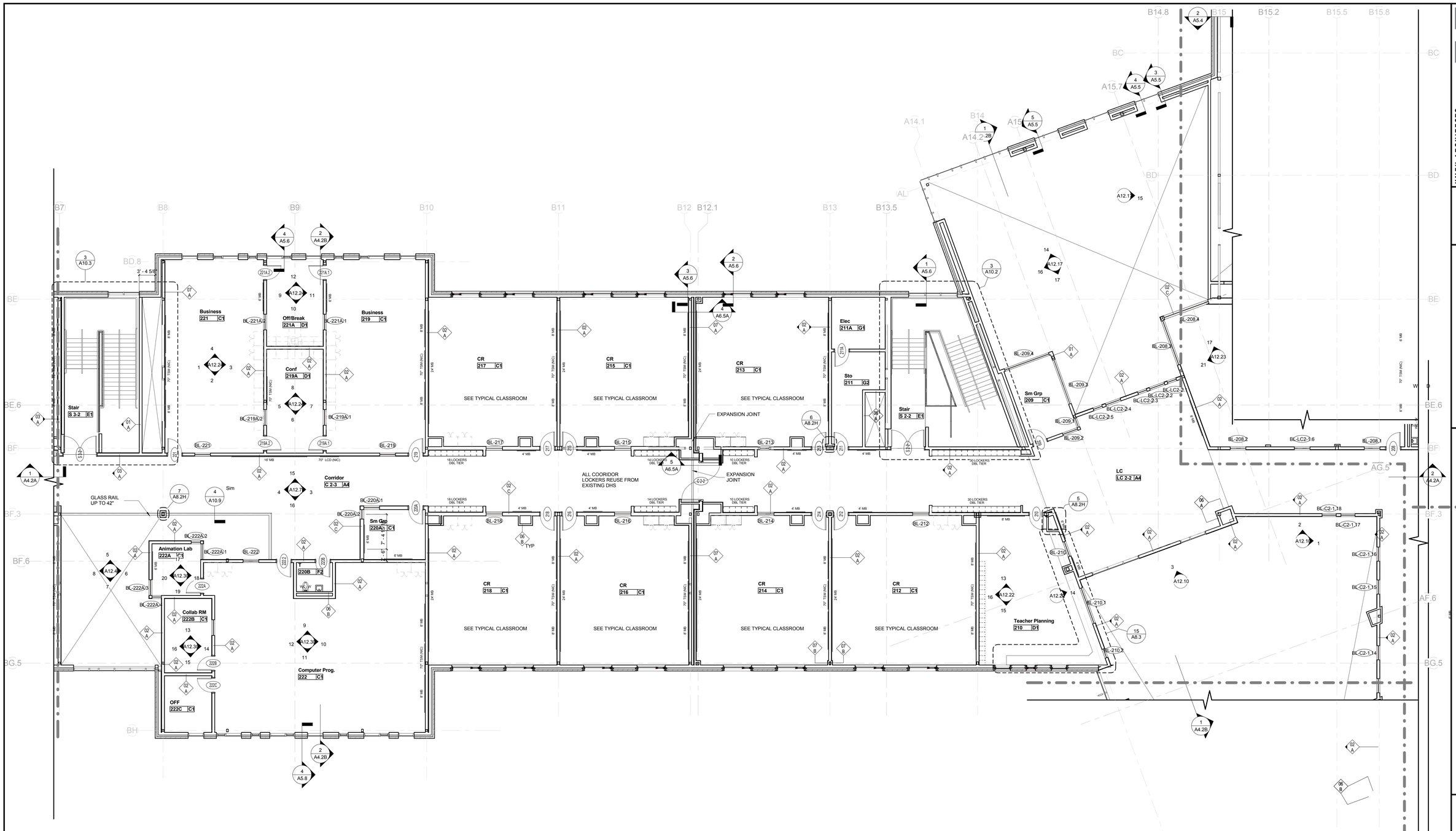

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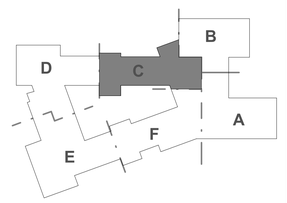
KEYPLAN



Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Second Floor Plan - Part C

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Science Prep
231A C1
245 SF

Physical Science
232 C1
1182 SF

Physical Science
231 C1
1189 SF

LC
LC 2-3 A4
908 SF

Teacher Planning
229 D1
469 SF

CR
227 C1
828 SF

CR
225 C1
824 SF

CR
223 C1
824 SF

Stair
S 3-2 E1

Business
221 C1

Prep
234C G2
276 SF

Sm Grp
233 A4
196 SF

Bio MED
234 C1
1572 SF

Clean Room
234B C1
267 SF

Clean Room
234A C1
110 SF

Chem Sto
234D C1
206 SF

Elec
230E G1
138 SF

T
230B F2
60 SF

C
230A G1
52 SF

Cust
230F G1
57 SF

Boys
230D F1
226 SF

Girls
230C F1
225 SF

CR
228 C1
819 SF

CR
226 C1
824 SF

CR
224 C1
823 SF

Animation Lab
222A C1

Collab RM
222B C1

OFF
222C C1

Stair
S 4-2 E1
633 SF

LC
LC 2-5 A4
Refrigerant Room

Biology
235 C1
1222 SF

Science Prep
235A C1
222 SF

Biology
237 C1
1225 SF

Chemistry
236 C1
1345 SF

Science Prep
236A C1
258 SF

BASE AND UPPER CABINETS

42" HIGH WALL WITH SOLID SURFACE COUNTERTOP

OPEN TO BELOW

GLASS RAIL UP TO 42"

18 LOCKERS DBL TIER

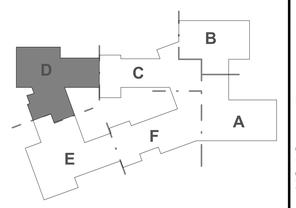
69' - 4"

44' - 9"

3' - 4 5/8"

20' - 2"

KEYPLAN



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Dover HS / Career Technical Center
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Second Floor Plan - Part D

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Biology
239 C1
1221 SF

Science Prep
239A C1
108 SF

Science Prep
241A C1
99 SF

Biology
241 C1
1186 SF

Chemistry
240 C1
1274 SF

Robotics
243 C1
310 SF

Science Prep
240A C1
259 SF

Teacher Planning
244 D1
799 SF

Corridor
C 2-4 A4
4869 SF

Chemistry
242 C1
1310 SF

SEE TYPICAL BIOLOGY CR & PREP ROOM

Elec
248F G1
220 SF

Girls
248C F1
226 SF

Boys
248B F1
229 SF

Cust
248D G2
166 SF

T
248A F2
59 SF

LC
LC 2-4 A4
1255 SF

SEE TYPICAL CLASSROOM

CR
250 C1
873 SF

CR
252 C1
822 SF

ALL COORIDORS LOCKERS
TO BE REUSED FROM
EXISTING DHS, TYP

CR
245 C1
835 SF

CR
246 C1
822 SF

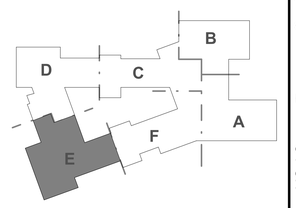
CR
247 C1
833 SF

CR
249 C1
871 SF

CR
251 C1
819 SF

Stair
S 5-2 E1
608 SF

KEYPLAN



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Second Floor Plan - Part E

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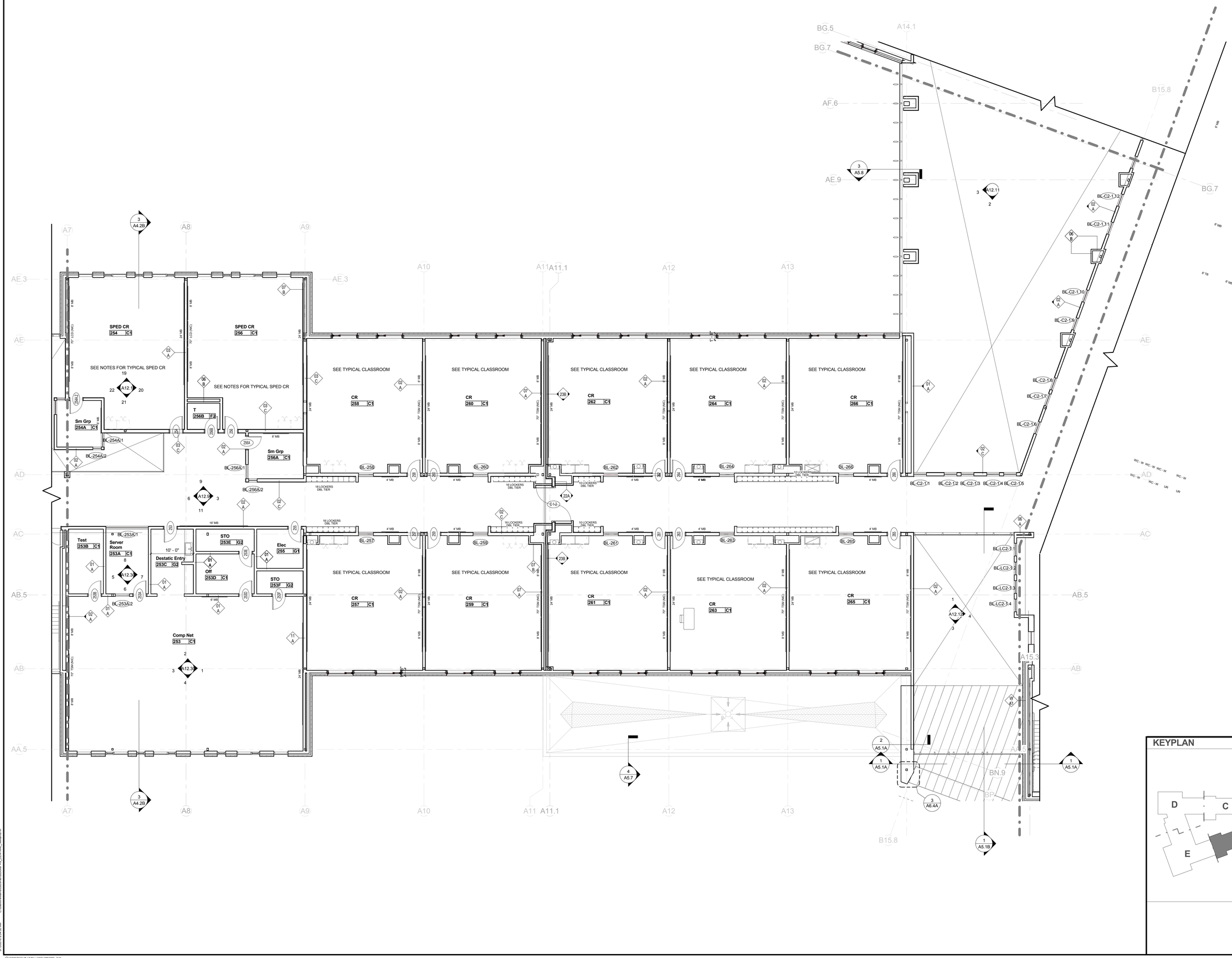

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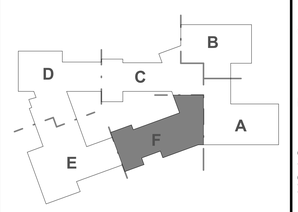
KEYPLAN



Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Second Floor Plan - Part F

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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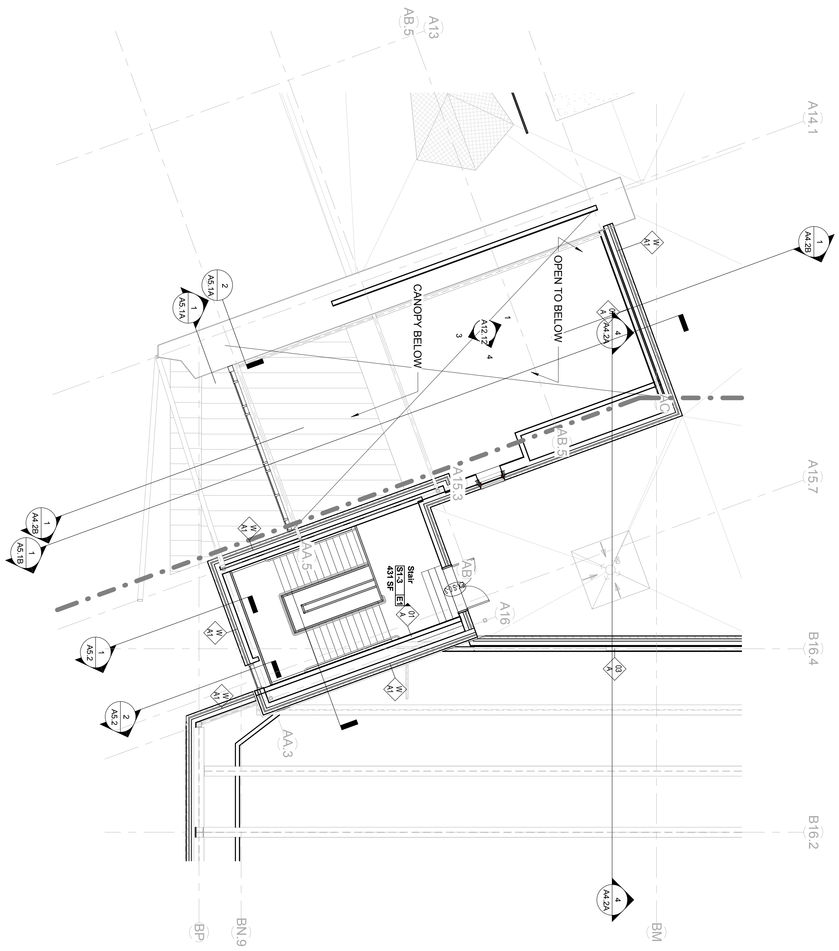

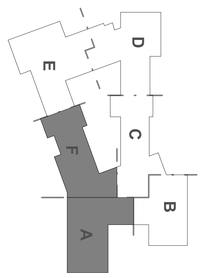

KEYPLAN

A2.3A

DRAWING NUMBER

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH

Upper Plan at Entry - Roof

SCALE: 1/8" = 1'-0" DRAWN BY: JL CHECKED BY: Checker

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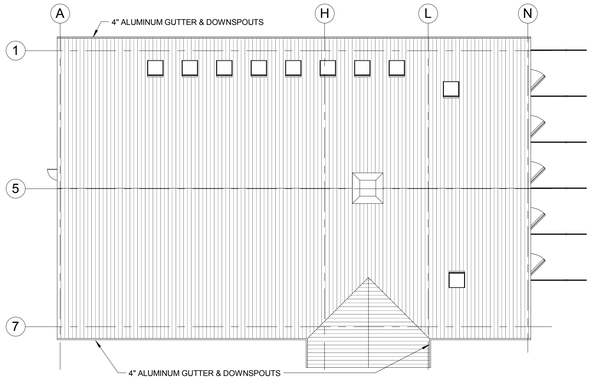
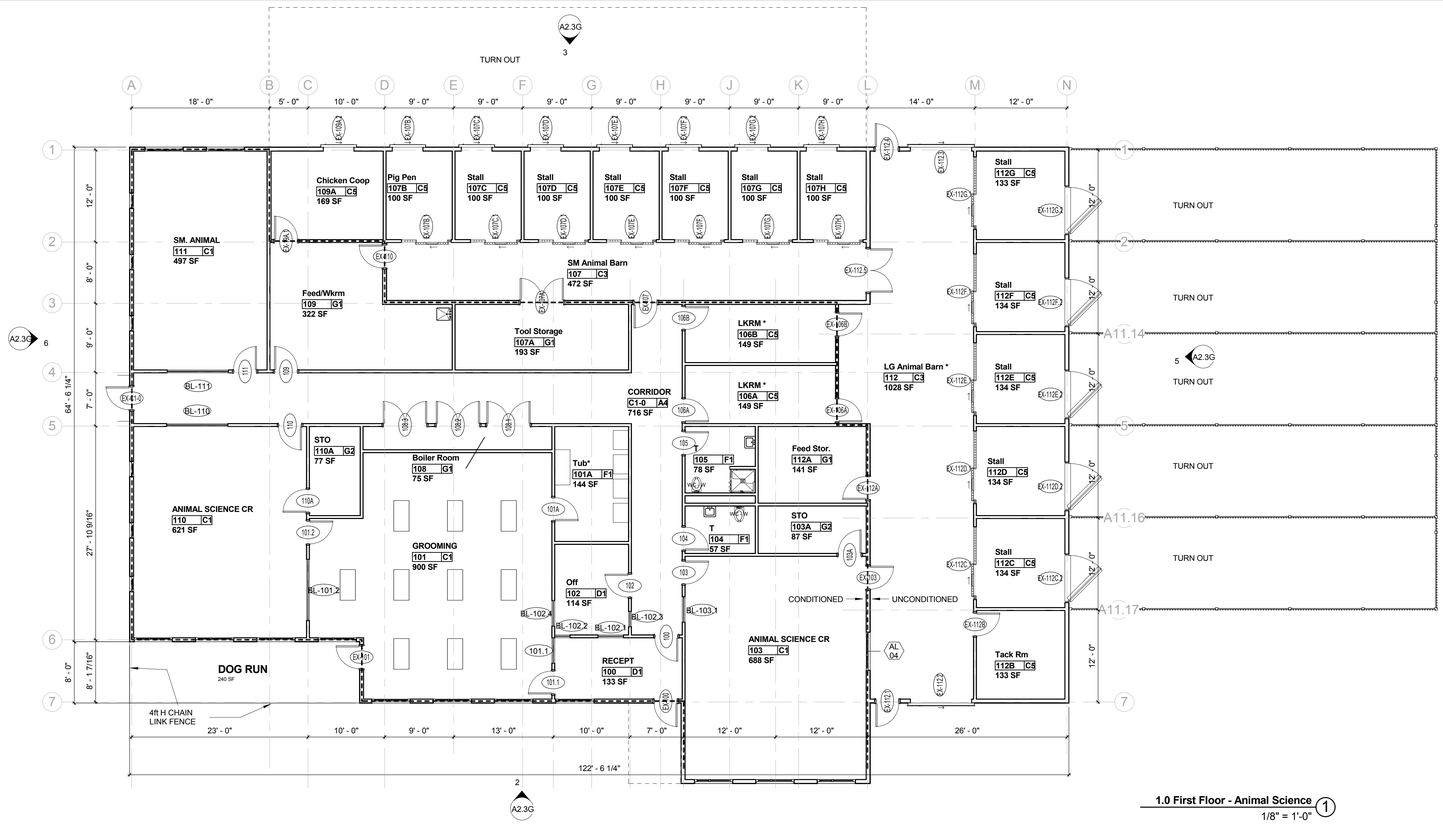
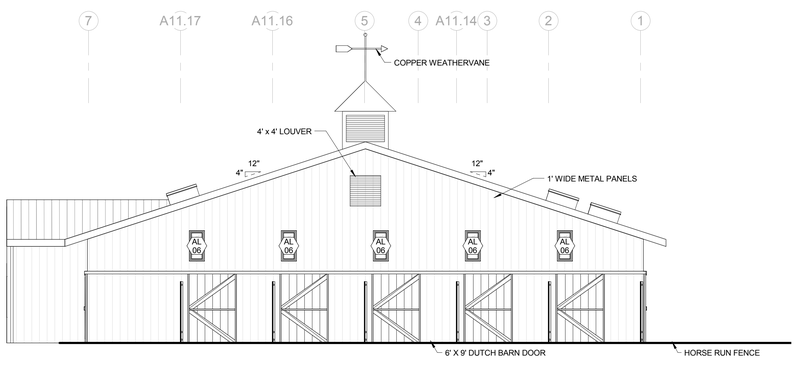


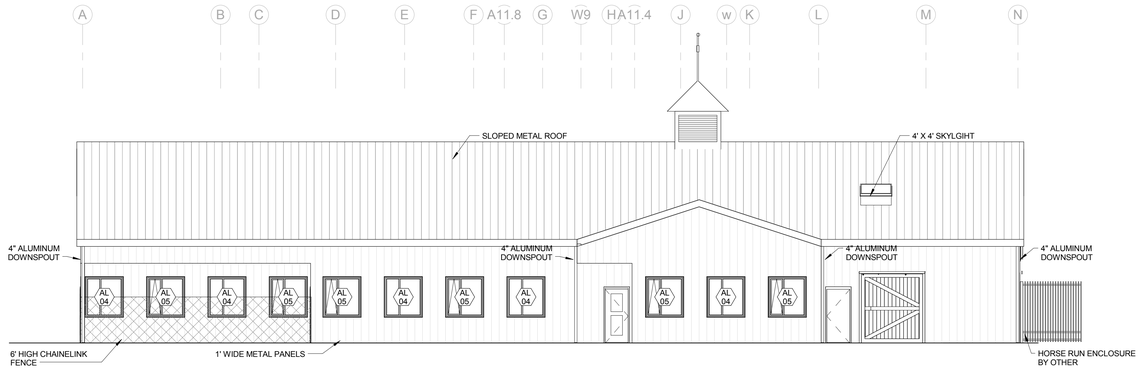
Roof Plan - Animal Science (4)
1/16" = 1'-0"



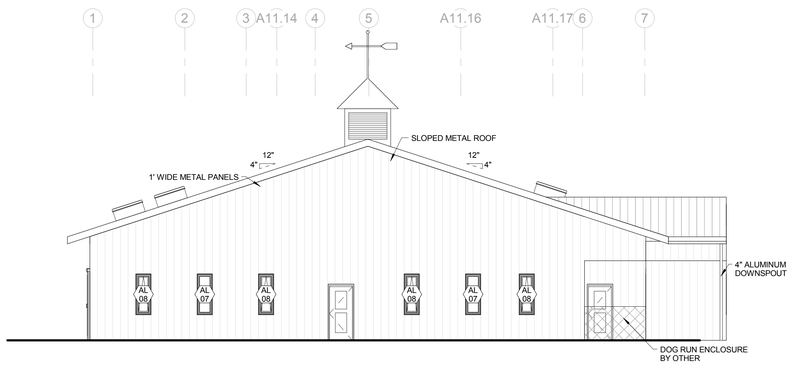
1.0 First Floor - Animal Science (1)
1/8" = 1'-0"



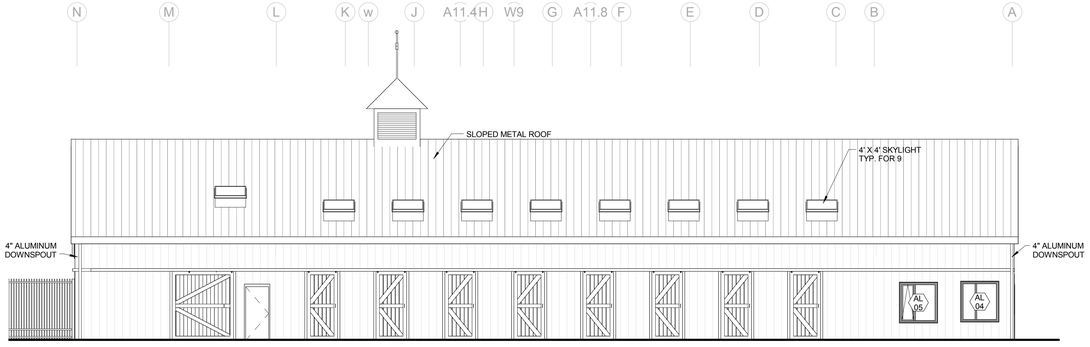
EAST ELEVATION- ANIMAL SCIENCE (5)
1/8" = 1'-0"



SOUTH ELEVATION - ANIMAL SCIENCE (2)
1/8" = 1'-0"



WEST ELEVATION - ANIMAL SCIENCE (6)
1/8" = 1'-0"



NORTH ELEVATION - ANIMAL SCIENCE (3)
1/8" = 1'-0"

PRICING NOTE:

FOR THE BARN PROVIDE COST EFFECTIVE ALTERNATIVES FOR PREFABRICATED STRUCTURE VS CUSTOM BUILD

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Dover HS / Career Technical Center
Dover, NH
Animal Science

SCALE: As indicated | DRAWN BY: CO | CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

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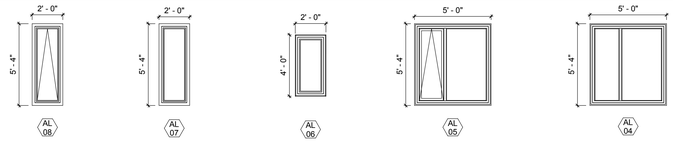
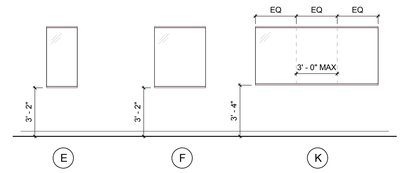




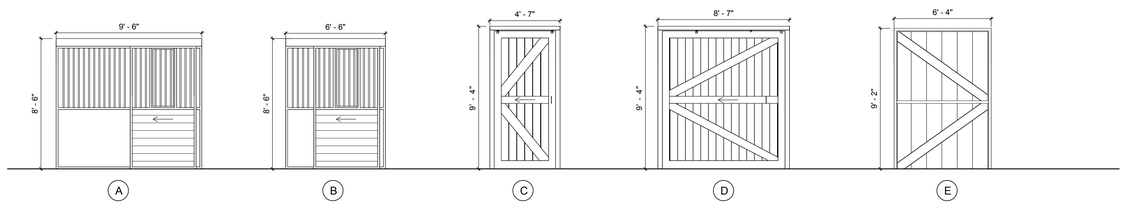
BORROWED LIGHT SCHEDULE - TYPE					
Width	Height	Frame Depth -	Glazing type	Type Mark	Count
2' - 0"	4' - 0"	0' - 5 5/8"	TG	E	2
3' - 4"	4' - 0"	0' - 5 5/8"	TG	F	4
8' - 0"	3' - 10"	0' - 5 5/8"	TG	K	3

NOTE: DOUBLE GLAZING BORROWED LIGHT DETAILS APPLY TO THE FOLLOWING

NOTE: WOOD FRAME BORROWED LIGHT DETAILS APPLY TO THE FOLLOWING

	DOOR				DOOR		FRAME			REFER TO A9.3 FOR DETAILS, UNO					
	DIMENSIONS														
NO.	WD.	HT.	Elevation	Material	Door Glazing	Leaves	Frame Elevation	Frame Material	Frame Glazing	HEAD	JAMB	SILL	UL Rating	HDWR. SET	Remarks
1.0 FIRST															
100	3' - 0"	7' - 2"				1	1	HM	---						
101A	3' - 0"	7' - 2"	A	WD		1	1	HM	---						
102	3' - 0"	7' - 2"	H	WD	TIG	1	1	HM	---						
103	3' - 0"	7' - 2"	H	WD	TIG	1	1	HM	---						
103A	3' - 0"	7' - 2"	XA	ALUM		1	1	HM	---						
104	3' - 0"	7' - 2"	A	WD		1	1	HM	---						
105	3' - 0"	7' - 2"	A	WD		1	1	HM	---						
106A	3' - 0"	7' - 2"	A	WD		1	1	HM	---						
106B	3' - 0"	7' - 2"	A	WD		1	1	HM	---						
108.1	2' - 10"	7' - 2"	A	WD		2	2	HM	---						
108.2	2' - 10"	7' - 2"	A	WD		2	2	HM	---						
108.3	2' - 10"	7' - 2"	A	WD		2	2	HM	---						
109	3' - 0"	7' - 2"	H	WD	TIG	1	1	HM	---						
110	3' - 0"	7' - 2"	H	WD	TIG	1	1	HM	---						
110A	3' - 0"	7' - 2"	A	WD		1	1	HM	---						
111	3' - 0"	7' - 2"	H	WD	TIG	1	1	HM	---						

DOOR SCHEDULE - EXTERIOR								
	DOOR						FRAME	
	DIMENSIONS							
NO.	WD.	HT.	Elevation	Material	Door Glazing	Leaves	Frame Material	REMARKS
1.0 FIRST								
EX-19A.1	3' - 0"	7' - 2"	XH	ALUM		1	ALUM	
EX-100	3' - 0"	7' - 0"	XB	ALUM	TIG	1	ALUM	
EX-101	3' - 0"	7' - 0"	XB	ALUM	TIG	1	ALUM	
EX-103	3' - 0"	7' - 2"	XH	ALUM		1	ALUM	
EX-106A	3' - 0"	7' - 2"	XA	ALUM		1	ALUM	
EX-106B	3' - 0"	7' - 2"	XA	ALUM		1	ALUM	
EX-107	3' - 0"	7' - 2"	XH	ALUM		1	ALUM	
EX-107A	2' - 10"	7' - 2"	XA	ALUM		2	ALUM	
EX-110	3' - 0"	7' - 2"	H	ALUM	TIG	1	ALUM	
EX-112.1	3' - 0"	7' - 0"	XA	ALUM		1	ALUM	
EX-112.4	3' - 0"	7' - 0"	XA	ALUM		1	ALUM	
EX-112A	3' - 0"	7' - 2"	XA	ALUM		1	ALUM	
EX-C1-0	3' - 0"	7' - 0"				1	ALUM	



SPECIALTY DOOR SCHEDULE - EXTERIOR								
	DOOR						FRAME	
	DIMENSIONS							
NO.	WD.	HT.	Elevation	Material	Door Glazing	Leaves	Frame Material	REMARKS
1.0 FIRST								
EX-107B.1	6' - 6"	8' - 6"	B					Specialty - Sliding Stall
EX-107B.2	4' - 7" .	9' - 4"	C					Specialty - Sliding Single
EX-107C.1	6' - 6"	8' - 6"	B					Specialty - Sliding Stall
EX-107C.2	4' - 7" .	9' - 4"	C					Specialty - Sliding Single
EX-107D.1	6' - 6"	8' - 6"	B					Specialty - Sliding Stall
EX-107D.2	4' - 7" .	9' - 4"	C					Specialty - Sliding Single
EX-107E.1	6' - 6"	8' - 6"	B					Specialty - Sliding Stall
EX-107E.2	4' - 7" .	9' - 4"	C					Specialty - Sliding Single
EX-107F.1	6' - 6"	8' - 6"	B					Specialty - Sliding Stall
EX-107F.2	4' - 7" .	9' - 4"	C					Specialty - Sliding Single
EX-107G.1	6' - 6"	8' - 6"	B					Specialty - Sliding Stall
EX-107G.2	4' - 7" .	9' - 4"	C					Specialty - Sliding Single
EX-107H.1	6' - 6"	8' - 6"	B					Specialty - Sliding Stall
EX-107H.2	4' - 7" .	9' - 4"	C					Specialty - Sliding Single
EX-109A.2	4' - 7" .	9' - 4"	C					Specialty - Sliding Single
EX-112.2	8' - 7" .	9' - 4"	D					Specialty - Sliding Single
EX-112.3	8' - 7" .	9' - 4"	D					Specialty - Sliding Single
EX-112C.1	9' - 6"	8' - 6"	A					Specialty - Sliding Stall
EX-112C.2	6' - 4"	9' - 2"	E					Specialty - Swinging Barn
EX-112D.1	9' - 6"	8' - 6"	A					Specialty - Sliding Stall
EX-112D.2	6' - 4"	9' - 2"	E					Specialty - Swinging Barn
EX-112E.1	9' - 6"	8' - 6"	A					Specialty - Sliding Stall
EX-112E.2	6' - 4"	9' - 2"	E					Specialty - Swinging Barn
EX-112F.1	9' - 6"	8' - 6"	A					Specialty - Sliding Stall
EX-112F.2	6' - 4"	9' - 2"	E					Specialty - Swinging Barn
EX-112G.1	9' - 6"	8' - 6"	A					Specialty - Sliding Stall
EX-112G.2	6' - 4"	9' - 2"	E					Specialty - Swinging Barn

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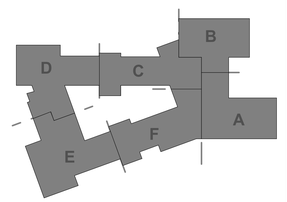

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Animal Science

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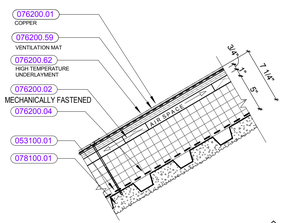
ROOF SYSTEM TYPE SCHEDULE, CONT.



METAL ROOFING SYSTEM - STANDING SEAM (SLOPED STRUCTURAL SYSTEM) R2 C

NOTE:
(a) SEE EXTERIOR ELEVATIONS AND WALL SECTIONS FOR PITCH
(B) TOTAL ASSEMBLY R-VALUE (R30)

KEYNOTE LIST

033000.05	CONCRETE SLAB ON METAL DECK
053100.01	METAL DECK
075400	THERMOPLASTIC MEMBRANE ROOFING
075400.01	MEMBRANE ROOFING
075400.02	ROOF INSULATION
075400.03	TAPERED ROOF INSULATION
075400.05	PROTECTION BOARD
075400.10	VAPOR RETARDER- FULLY AHDERED
076200.01	METAL ROOFING
076200.02	VENTED INSULATION/NAILBASE PANEL ASSEMBLY
076200.04	VAPOR RETARDER
076200.59	
076200.62	
077200	ROOF ACCESSORIES
078100.01	SPRAYED FIREPROOFING
220000	Division 22 - Plumbing
230000	Division 23 - Heating Ventilating and Air Conditioning

LEGEND- ROOF PLAN
(SEE SHEET A0.1 FOR ADDITIONAL SYMBOL DESIGNATIONS)

AREA OF TAPERED ROOF INSULATION SLOPE 1/4":12" MIN

AREA OF TAPERED ROOF INSULATION @ CRICKETS SLOPE 1/2":12" MIN

WALKWAY PAD (SEE GENERAL NOTES #7)

STANDING SEAM METAL ROOFING

ROOF CONSTRUCTION TYPE (SEE ROOF SYSTEMS TYPE SCHEDULE ON DRAWING A2.X) — RX X

ROOF SLOPE INDICATOR @ TAPERED INSULATION

ROOF SLOPE INDICATOR @ SLOPED STRUCTURE

ROOF DRAIN SEE DETAIL — 5 A6.6 — RD

VENT THROUGH ROOF - SEE DETAIL SEE PLUMBING DWG'S FOR LOCATIONS — X AX.X — VTR

DOWNSPOUT LOCATION 4"x4" SQUARE PROFILE - SEE DETAIL — X AX.X — DS

SPLASH BLOCK — SB

SNOW GUARD SEE DETAIL — X AX.X — SG

LADDER

ROOF HATCH — 3 A6.6 — RH 30x30

(US XX) DENOTES UNIT SKYLIGHT TYPE (SEE UNIT SKYLIGHT SCHEDULE)

HVAC ROOFTOP EQUIPMENT - ROOF VENT SEE CURB DETAIL — 4 A6.6 — 45°

SMOKE HATCH — 3 A6.6 — RH 30x30

HVAC ROOFTOP EQUIPMENT SEE DETAIL — 2 A6.6, 8 A6.6 — RTU

HVAC ROOFTOP EQUIPMENT AIR COOLED CONDENSER — 15 A6.6, 17 A6.6 — ACC

MULTI-PIPE PENETRATION SEE DETAIL — 14 A6.6

HVAC FLUE SEE DETAIL — 6 A6.6 — FLUE

SKYLIGHT SCHEDULE

NOTES:
(a) FRAME DIMENSIONS (FD) SHOWN ARE OUTSIDE FRAME TO OUTSIDE FRAME BASED ON THE SPECIFIED ROOF WINDOW UNITS STANDARD. OUTSIDE FRAME DIMENSIONS DIFFER FROM MANUFACTUER TO MANUFACTURER. CONFIRM DIMENSIONS WITH APPROVED MANUFACTURER'S UNIT PRIOR TO FRAMING OUT ROOF

(b) SEE ROOF PLANS FOR LOCATIONS.

INTEGRAL GUTTER — US 01

FIXED UNIT SKYLIGHT INSULATED INCLINED CURB

GENERAL NOTES-ROOF PLAN

1) ROOF PLAN GENERAL NOTES, FLOOR PLAN LEGEND & ABBREVIATIONS APPLY TO THE A2.X SERIES SHEETS.

2) GENERAL CONTRACTOR SHALL PROVIDE OPENINGS IN ROOF FOR STRUCTURE FOR NEW MEPFP EQUIPMENT. REFER TO MEPFP DRAWINGS AND SPECIFICATIONS FOR QUANITITY AND SIZE REQUIRMENTS. COORDINATE WITH STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR FRAMING REQUIREMENTS.

3) DIMENSIONS SHOWN FOR MEPFP EQUIPMENT SUPPORTS ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. COORDINATE REQUIRED SIZE WITH APPROVED MEIREQUIPMENT PRIOR TO LAYOUT AND INSTALLATION. SEE MEPFPDRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

4) ELECTRICAL PENETRATIONS THROUGH THE ROOF SYSTEM ARE REQUIRED BUT ARE NOT SHOWN ON THIS ROOF PLAN FOR CLARITY. FOR THE PURPOSE OF THE BID, CARRY THE FOLLOWING QUANTITIES OF ROOF PENETRATIONS.

(a) PROVIDE (2) PENETRATIONS ADJACENT TO EACH RTU TO ACCOMMODATE EXTERIOR SWITCHES, RECEPTACLES AND LIGHTING. REFER TO DETAIL- 10 A6.6

(b)PROVIDE (2) PENETRATIONS ADJACENT TO EACH EXHAUST FAN & ACC. UNIT TO ACCOMMODATE POWER AND CONTROL WIRING. REFER TO DETAIL- 10 A6.6

5) ROOF TOP UNIT (RTU) PENETRATIONS THROUGH THE ROOF SYSTEM ARE REQUIRED BUT ARE NOT SHOWN ON THIS ROOF PLAN FOR CLARITY. FOR THE PURPOSE OF THE BID, CARRY THE FOLLOWING QUANTITIES OF ROOF PENETRATIONS.

(a) ALL MEPFP PIPING, CONTROL WIRING AND ELECTRICAL POWER SERVING THE RTU'S SHALL BE WITHIN THE MECHANICAL ROOF CURB UNDER THE UNIT.

(b) PROVIDE (1) ELECTRICAL, (1) CONTROL, AND (2) MECHANICAL PIPING PENETRATIONS THROUGH THE ROOF DECK UNDER EACH UNIT.

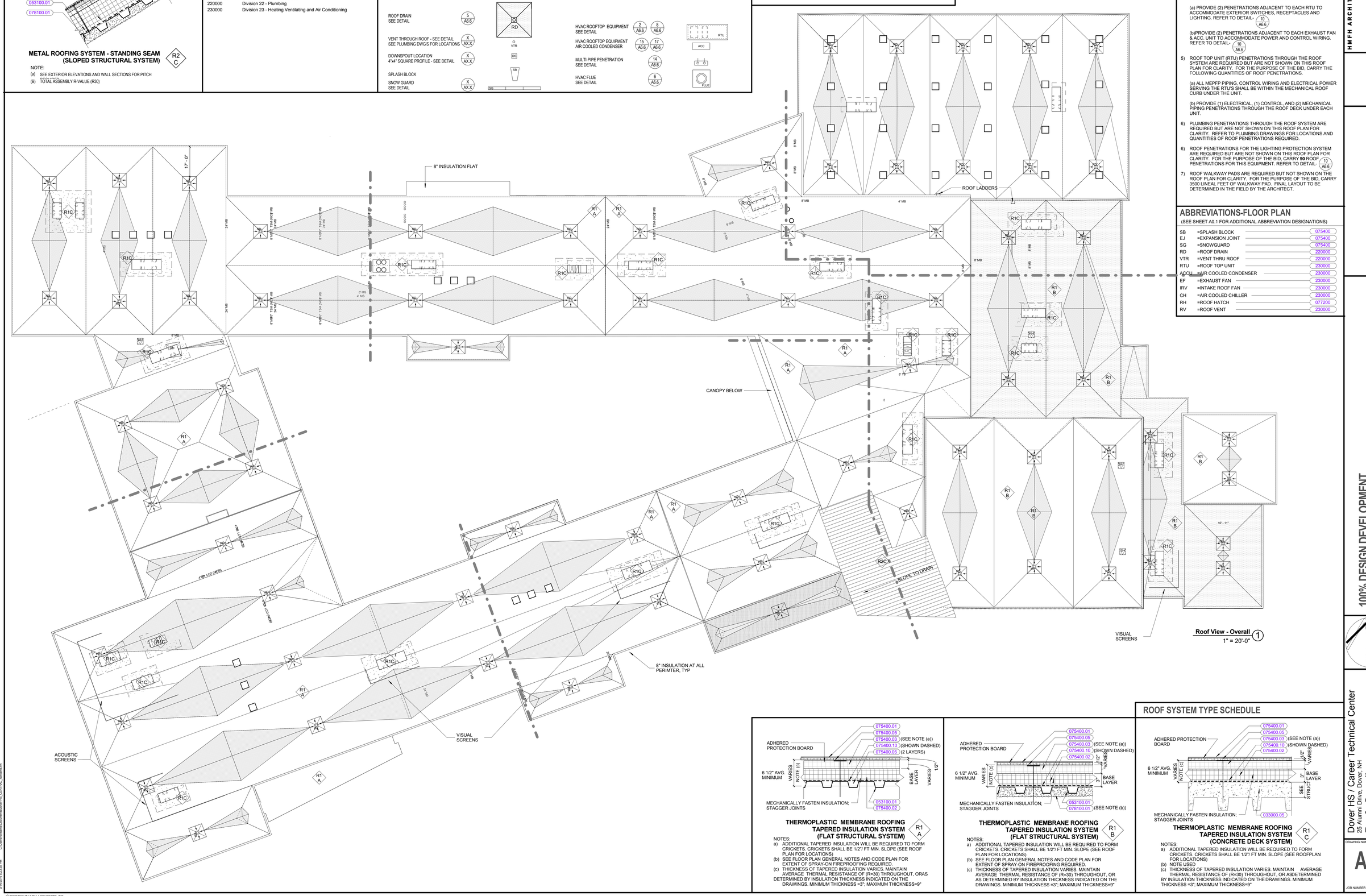
6) PLUMBING PENETRATIONS THROUGH THE ROOF SYSTEM ARE REQUIRED BUT ARE NOT SHOWN ON THIS ROOF PLAN FOR CLARITY. REFER TO PLUMBING DRAWINGS FOR LOCATIONS AND QUANTITIES OF ROOF PENETRATIONS REQUIRED.

6) ROOF PENETRATIONS FOR THE LIGHTING PROTECTION SYSTEM ARE REQUIRED BUT ARE NOT SHOWN ON THIS ROOF PLAN FOR CLARITY. FOR THE PURPOSE OF THE BID, CARRY **90** ROOF PENETRATIONS FOR THIS EQUIPMENT. REFER TO DETAIL- 10 A6.6

7) ROOF WALKWAY PADS ARE REQUIRED BUT NOT SHOWN ON THE ROOF PLAN FOR CLARITY. FOR THE PURPOSE OF THE BID, CARRY 3500 LINEAL FEET OF WALKWAY PAD. FINAL LAYOUT TO BE DETERMINED IN THE FIELD BY THE ARCHITECT.

ABBREVIATIONS-FLOOR PLAN
(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

SB	=SPLASH BLOCK	075400
EJ	=EXPANSION JOINT	075400
SG	=SNOWGUARD	075400
RD	=ROOF DRAIN	220000
VTR	=VENT THRU ROOF	220000
RTU	=ROOF TOP UNIT	230000
ACCU	=AIR COOLED CONDENSER	230000
EF	=EXHAUST FAN	230000
IRV	=INTAKE ROOF FAN	230000
CH	=AIR COOLED CHILLER	230000
RH	=ROOF HATCH	077200
RV	=ROOF VENT	230000



Roof View - Overall 1
1" = 20'-0"

ROOF SYSTEM TYPE SCHEDULE

THERMOPLASTIC MEMBRANE ROOFING TAPERED INSULATION SYSTEM (FLAT STRUCTURAL SYSTEM) R1 A

NOTES:
a) ADDITIONAL TAPERED INSULATION WILL BE REQUIRED TO FORM CRICKETS. CRICKETS SHALL BE 1/2":/ FT MIN. SLOPE (SEE ROOF PLAN FOR LOCATIONS)
(b) SEE FLOOR PLAN GENERAL NOTES AND CODE PLAN FOR EXTENT OF SPRAY-ON FIREPROOFING REQUIRED
(c) THICKNESS OF TAPERED INSULATION VARIES. MAINTAIN AVERAGE THERMAL RESISTANCE OF (R=30) THROUGHOUT, ORAS DETERMINED BY INSULATION THICKNESS INDICATED ON THE DRAWINGS. MINIMUM THICKNESS =3"; MAXIMUM THICKNESS=9"

THERMOPLASTIC MEMBRANE ROOFING TAPERED INSULATION SYSTEM (FLAT STRUCTURAL SYSTEM) R1 B

NOTES:
a) ADDITIONAL TAPERED INSULATION WILL BE REQUIRED TO FORM CRICKETS. CRICKETS SHALL BE 1/2":/ FT MIN. SLOPE (SEE ROOF PLAN FOR LOCATIONS)
(b) SEE FLOOR PLAN GENERAL NOTES AND CODE PLAN FOR EXTENT OF SPRAY-ON FIREPROOFING REQUIRED
(c) THICKNESS OF TAPERED INSULATION VARIES. MAINTAIN AVERAGE THERMAL RESISTANCE OF (R=30) THROUGHOUT, OR AS DETERMINED BY INSULATION THICKNESS INDICATED ON THE DRAWINGS. MINIMUM THICKNESS =3"; MAXIMUM THICKNESS=9"

THERMOPLASTIC MEMBRANE ROOFING TAPERED INSULATION SYSTEM (CONCRETE DECK SYSTEM) R1 C

NOTES:
a) ADDITIONAL TAPERED INSULATION WILL BE REQUIRED TO FORM CRICKETS. CRICKETS SHALL BE 1/2":/ FT MIN. SLOPE (SEE ROOFPLAN FOR LOCATIONS)
(b) NOTE USED
(c) THICKNESS OF TAPERED INSULATION VARIES. MAINTAIN AVERAGE THERMAL RESISTANCE OF (R=30) THROUGHOUT, OR AS DETERMINED BY INSULATION THICKNESS INDICATED ON THE DRAWINGS. MINIMUM THICKNESS =3"; MAXIMUM THICKNESS=9"

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PLAN NORTH
TRUE NORTH

Dover HS / Career Technical Center
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Roof - Overall

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B15.9 B16.4 B16.2 B17.4 B17.8 B18.3 B18.5 B18.8

MATCHLINE
PART B
PART A

BF.4 BG.2 BG.8 BJ BK BL.1 BM BN.1 BP

B20 B21 B21.4 BJ.9 BK BN BN.1 BN.9

R1C R1B R1A R2C RH SH

1 A5.5 2 A5.5 1 A5.5 4 A5.3 3 A5.3 1 A5.3 2 A5.3 4 A5.2 3 A5.2 1 A5.2 2 A5.2 4 A10.1

MATCHLINE
PART F
PART A
A15.3

B16.2 B17.4 B17.8 B18.3 B18.5 B19.2 B20 B21

1 Roof View - Part A
Scale: 1/8" = 1'-0"

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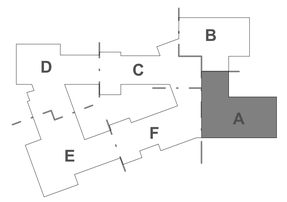

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Roof Plan - Part A

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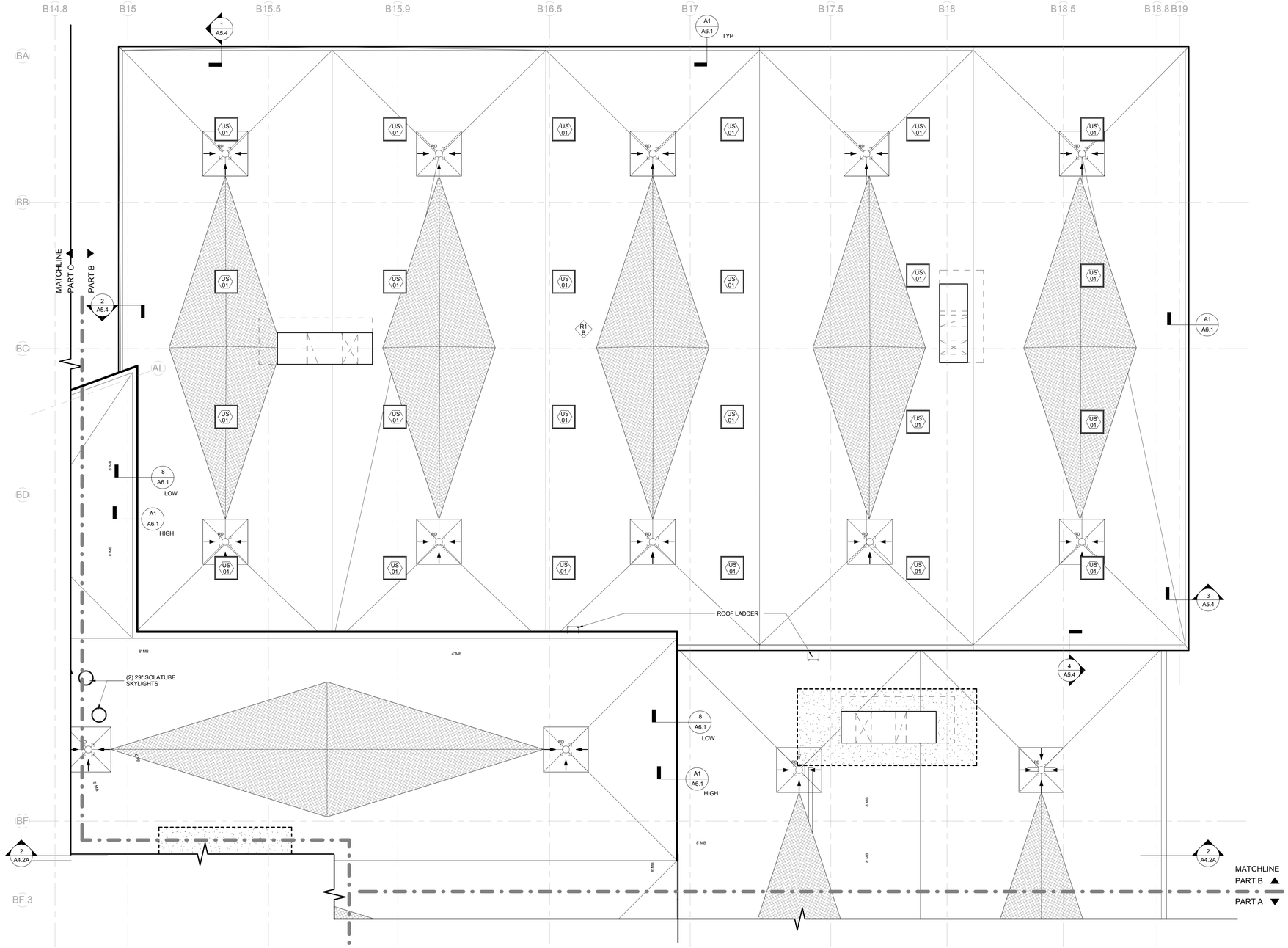

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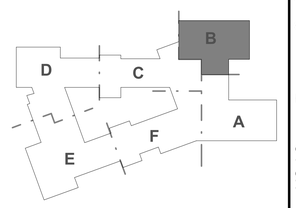

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Roof Plan- Part B

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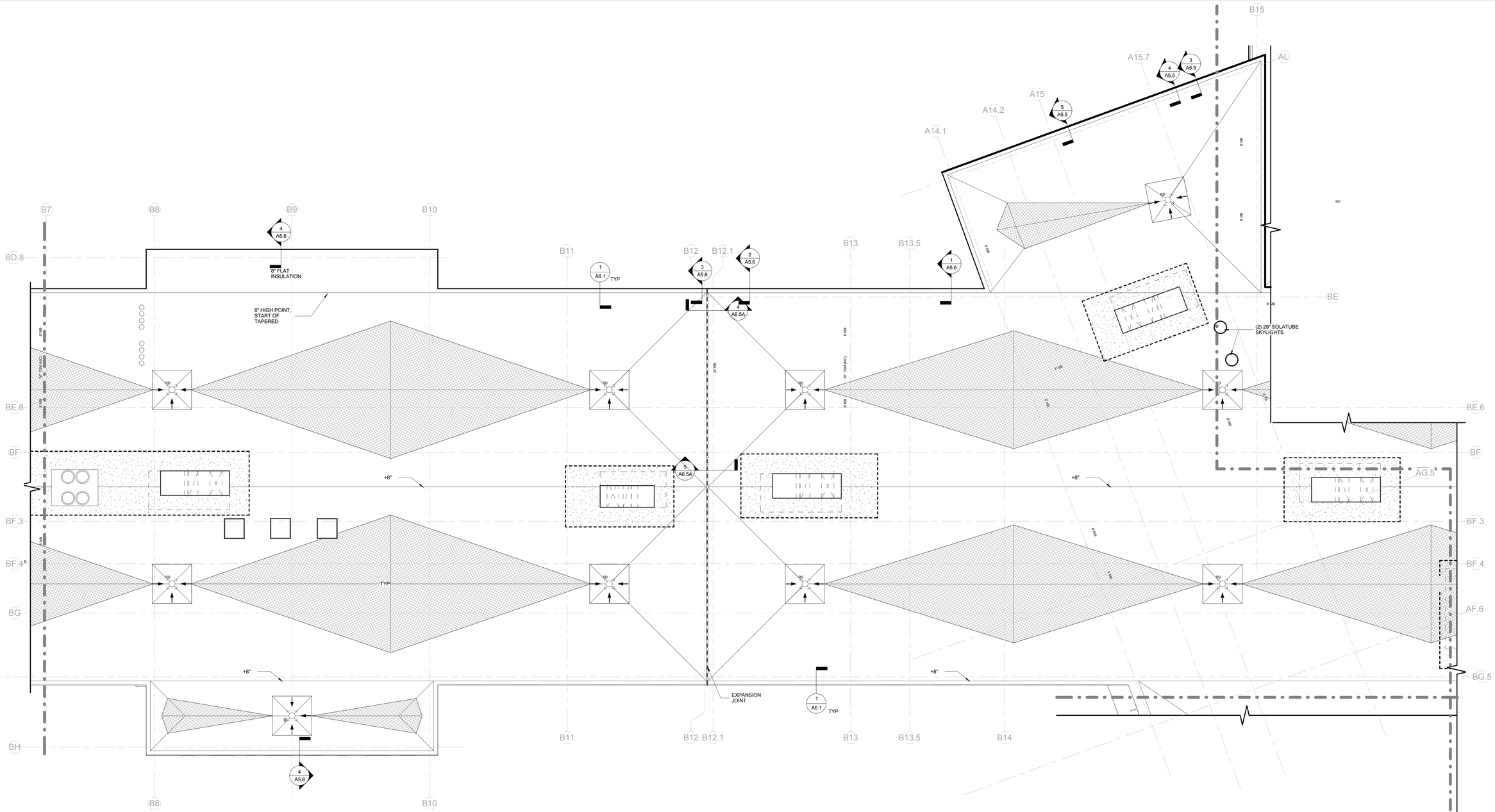

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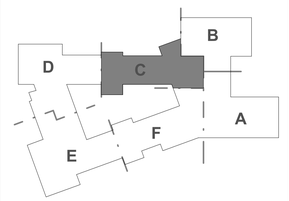

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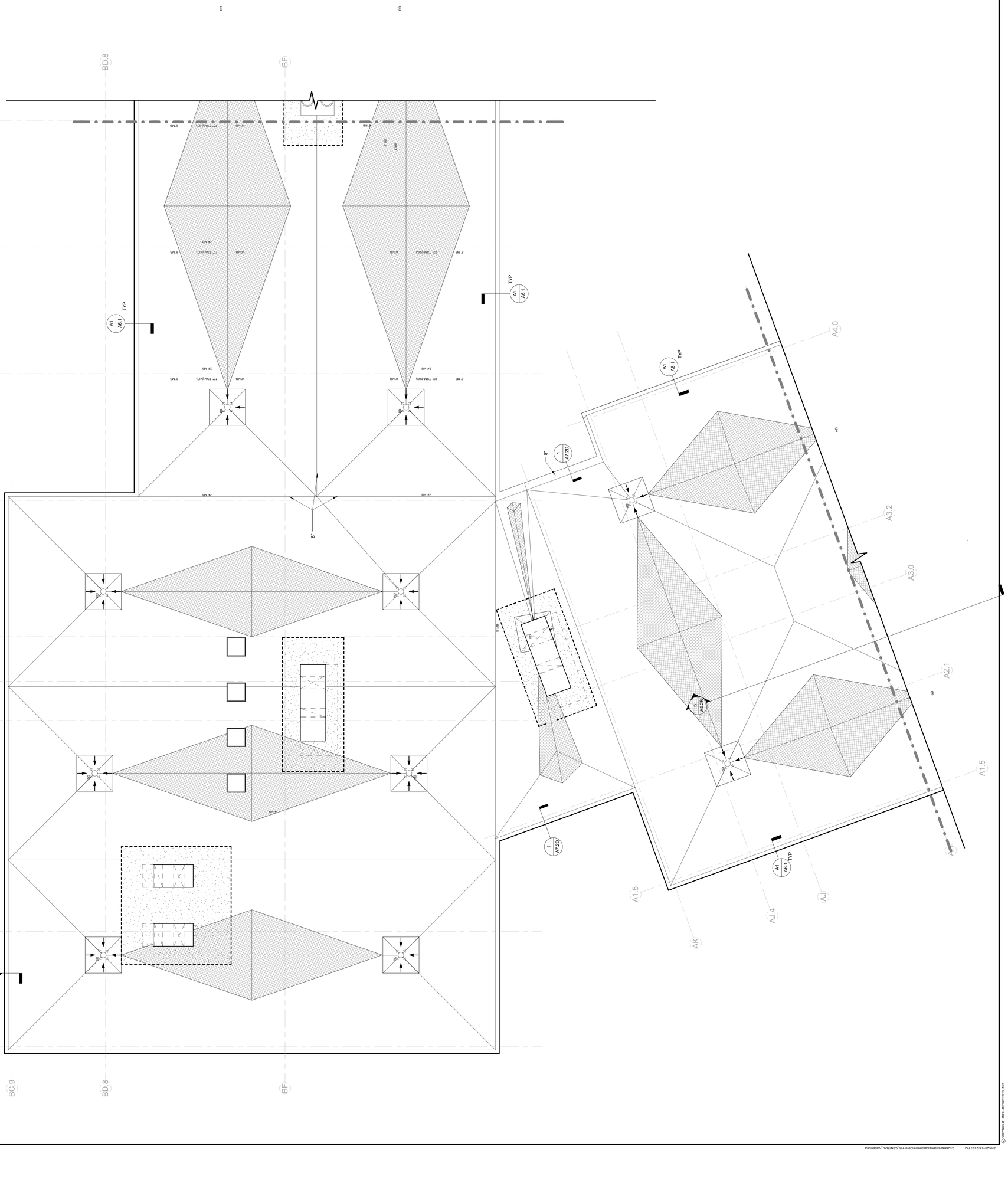

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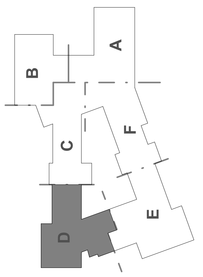

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Roof Plan - Part D

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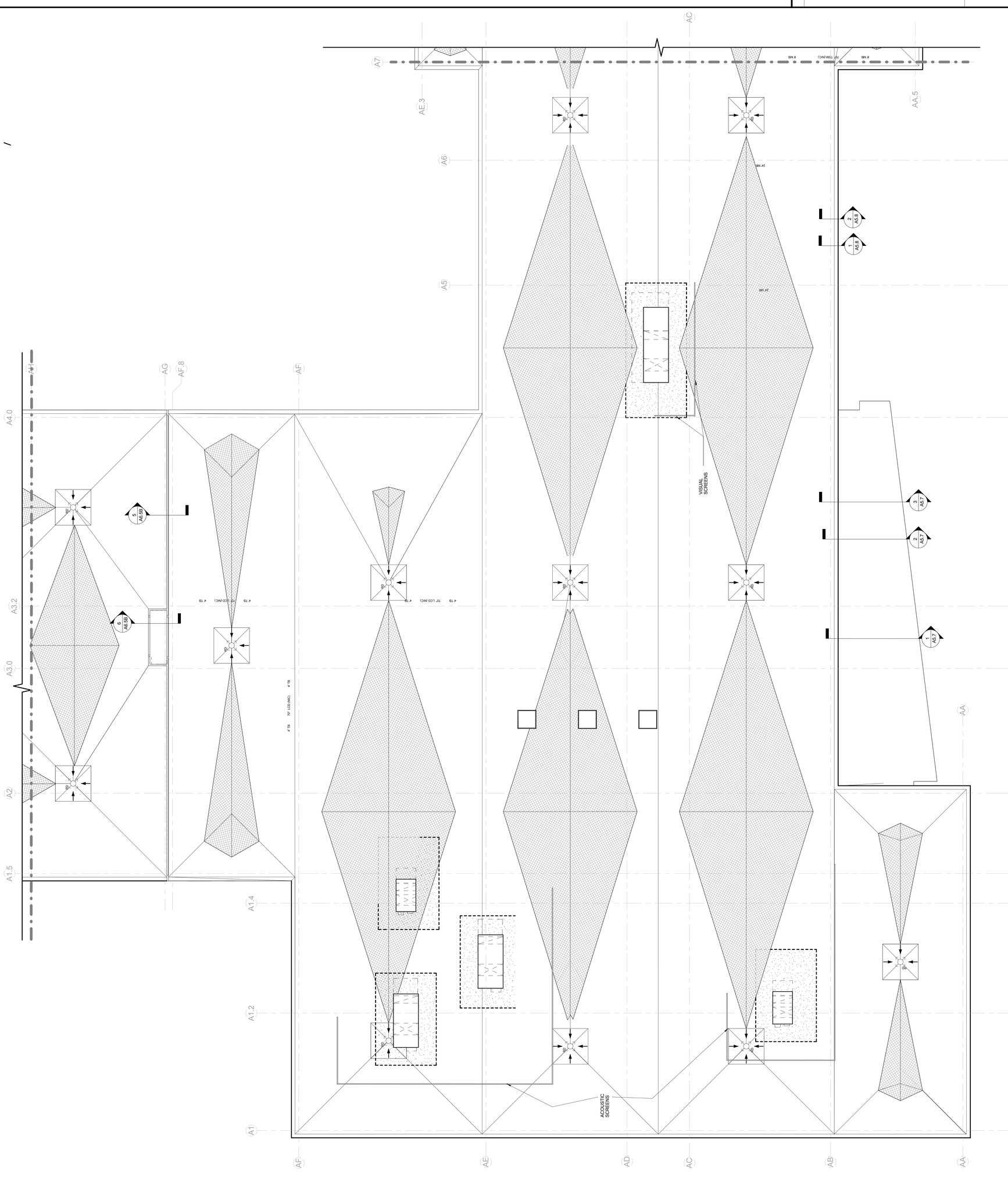

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Roof Plan- Part E

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JOB NUMBER 400114

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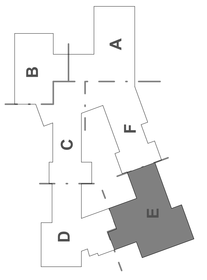

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Roof Plan - Part F

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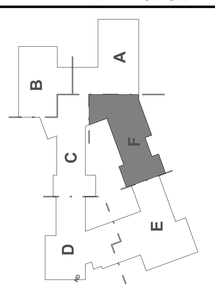

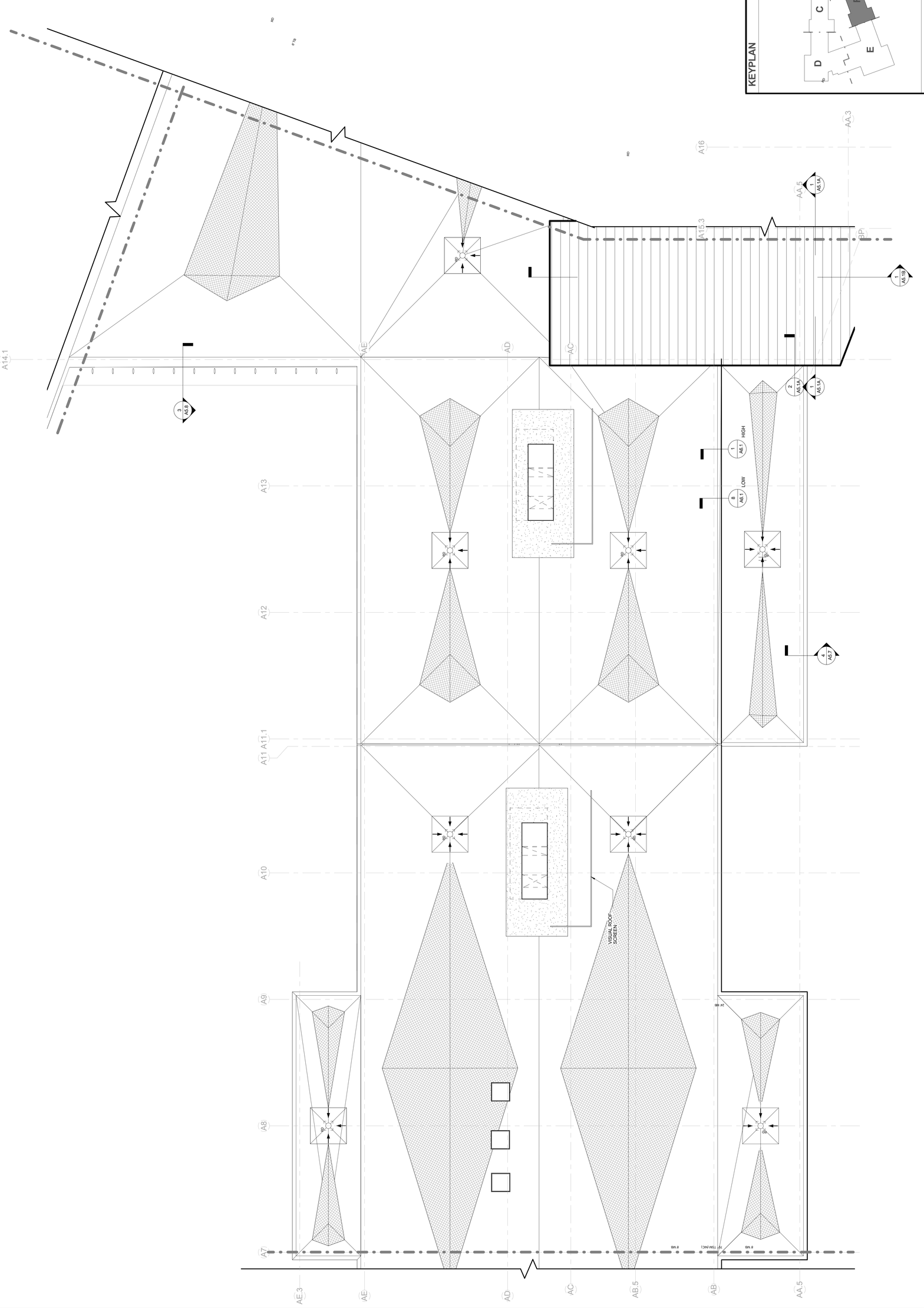

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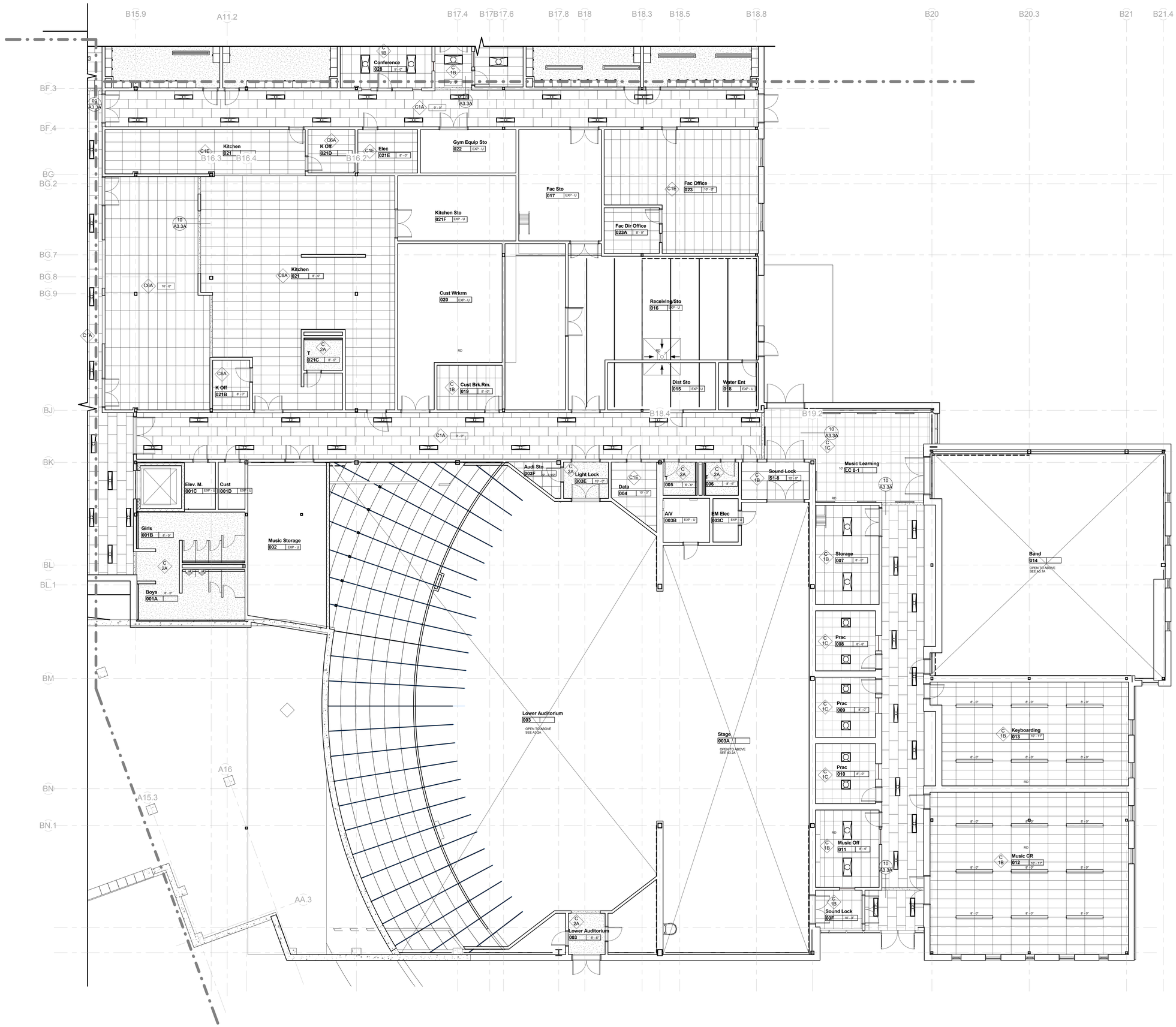

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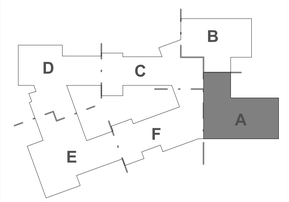

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Ground Floor RCP - Part A

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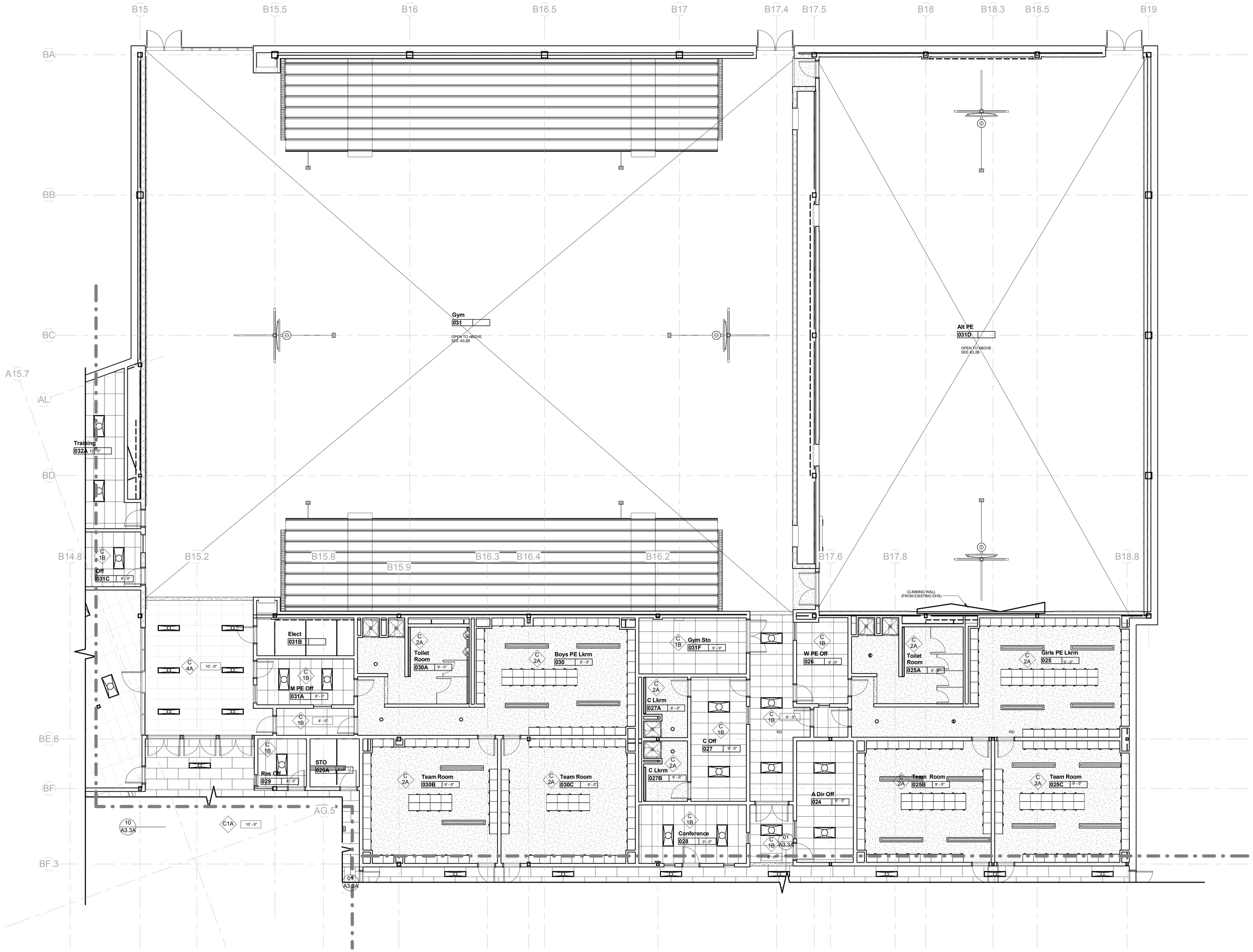

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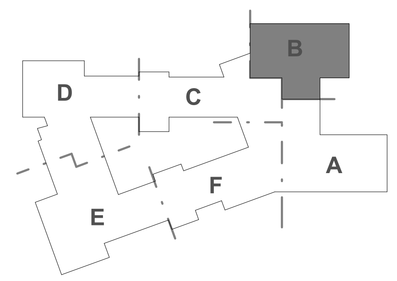

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Dover, NH
Ground Floor RCP - Part B

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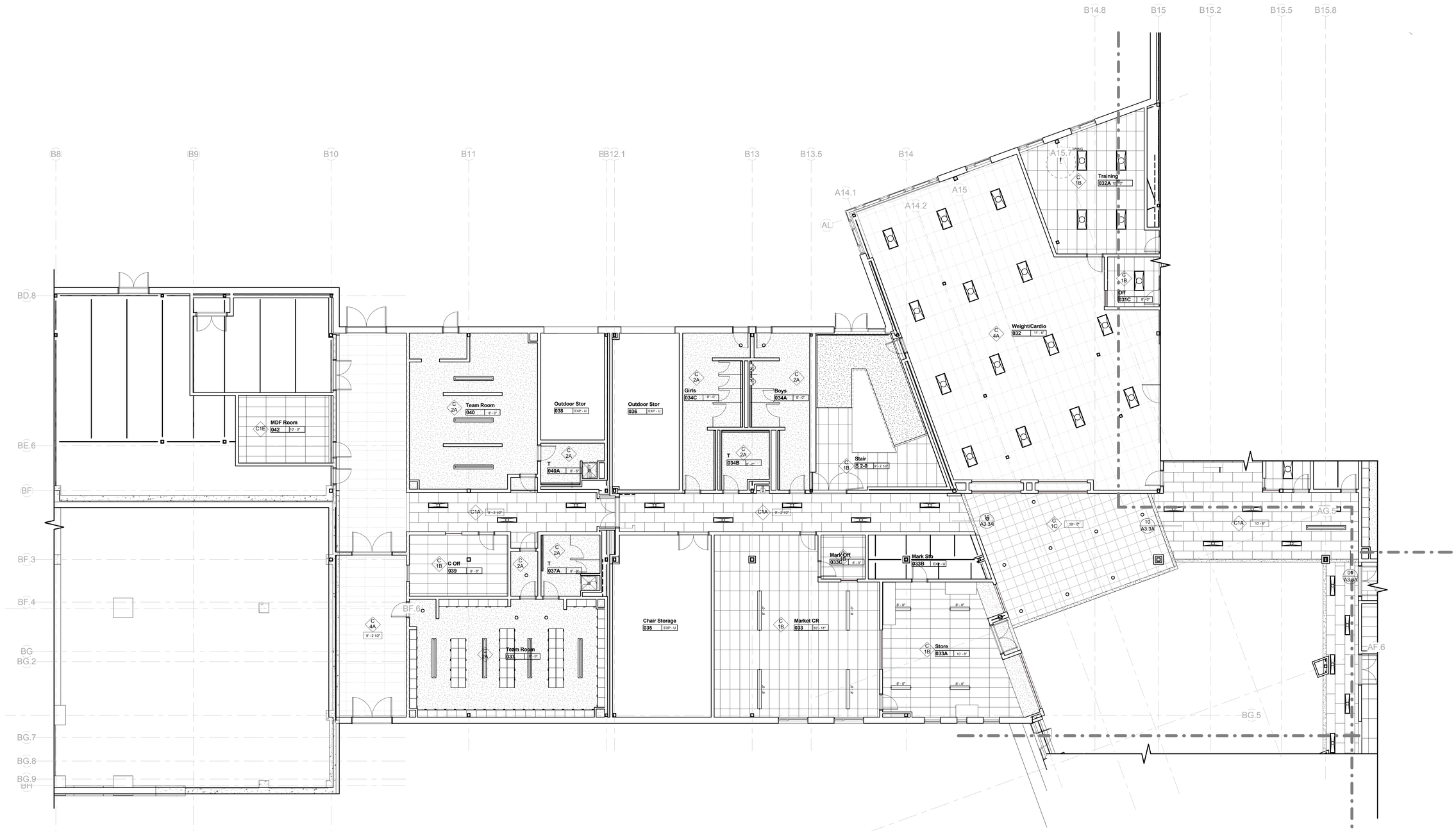

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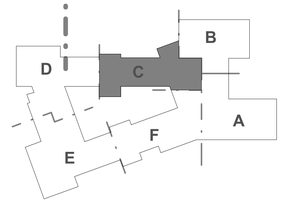

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Dover HS / Career Technical Center
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Ground Floor RCP - Part C

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Dover HS / Career Technical Center
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First Floor RCP - Part A

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JOB NUMBER 403114

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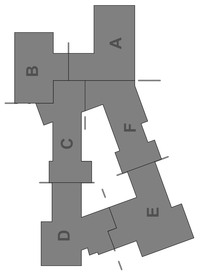

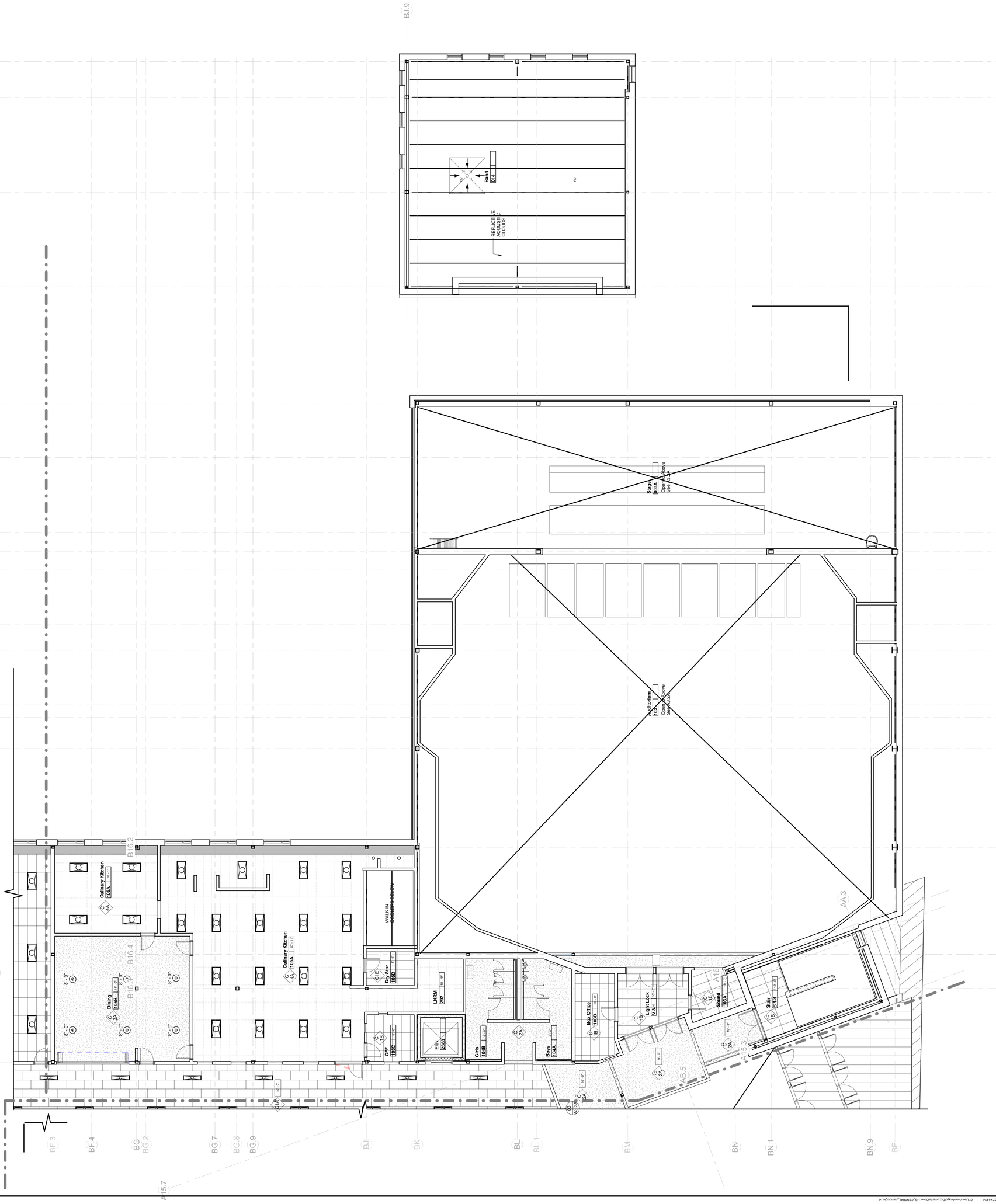

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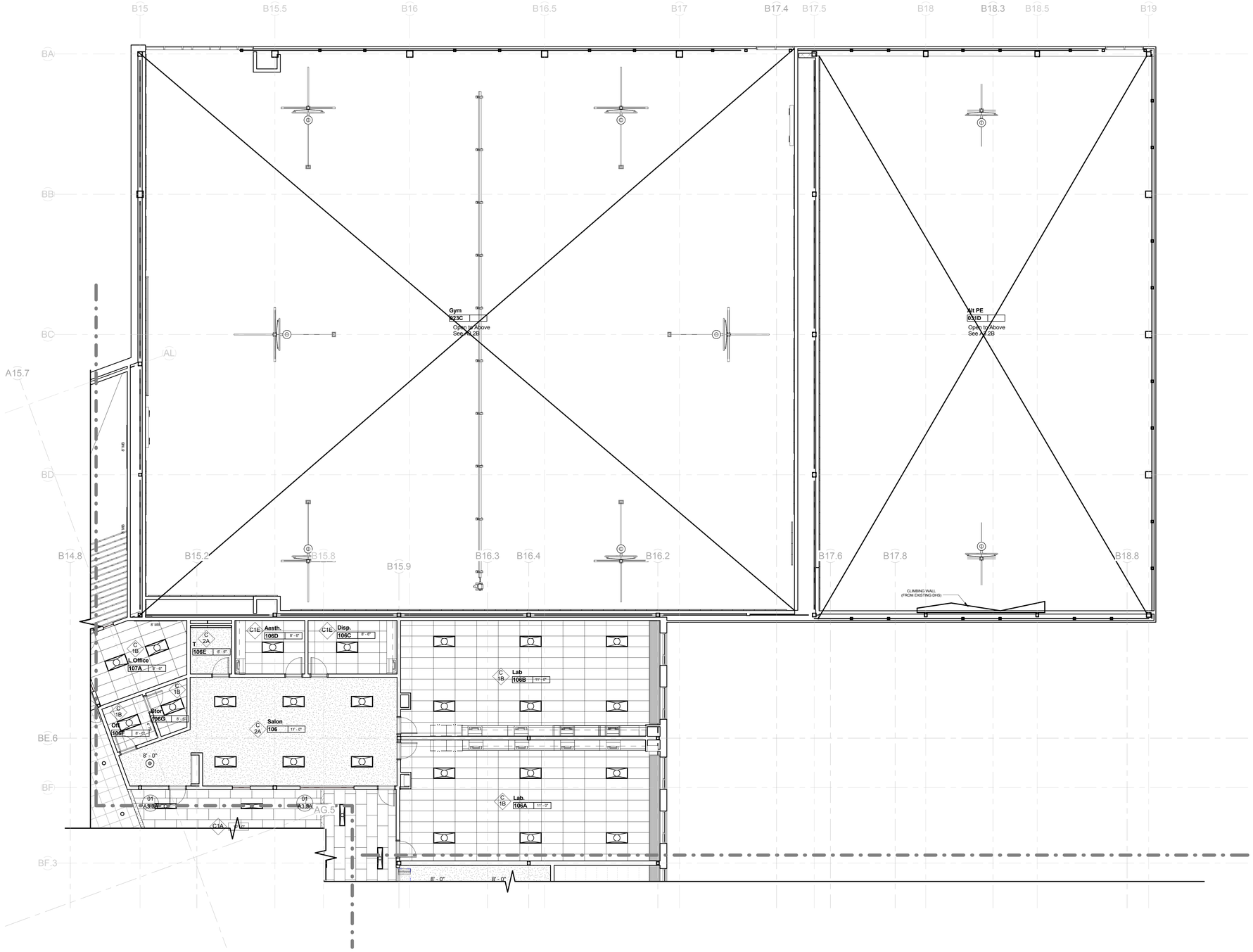

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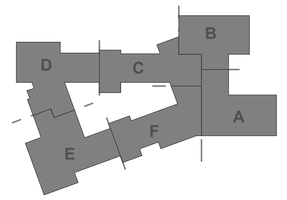

Dover HS / Career Technical Center
Dover, NH
First Floor RCP - Part B

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
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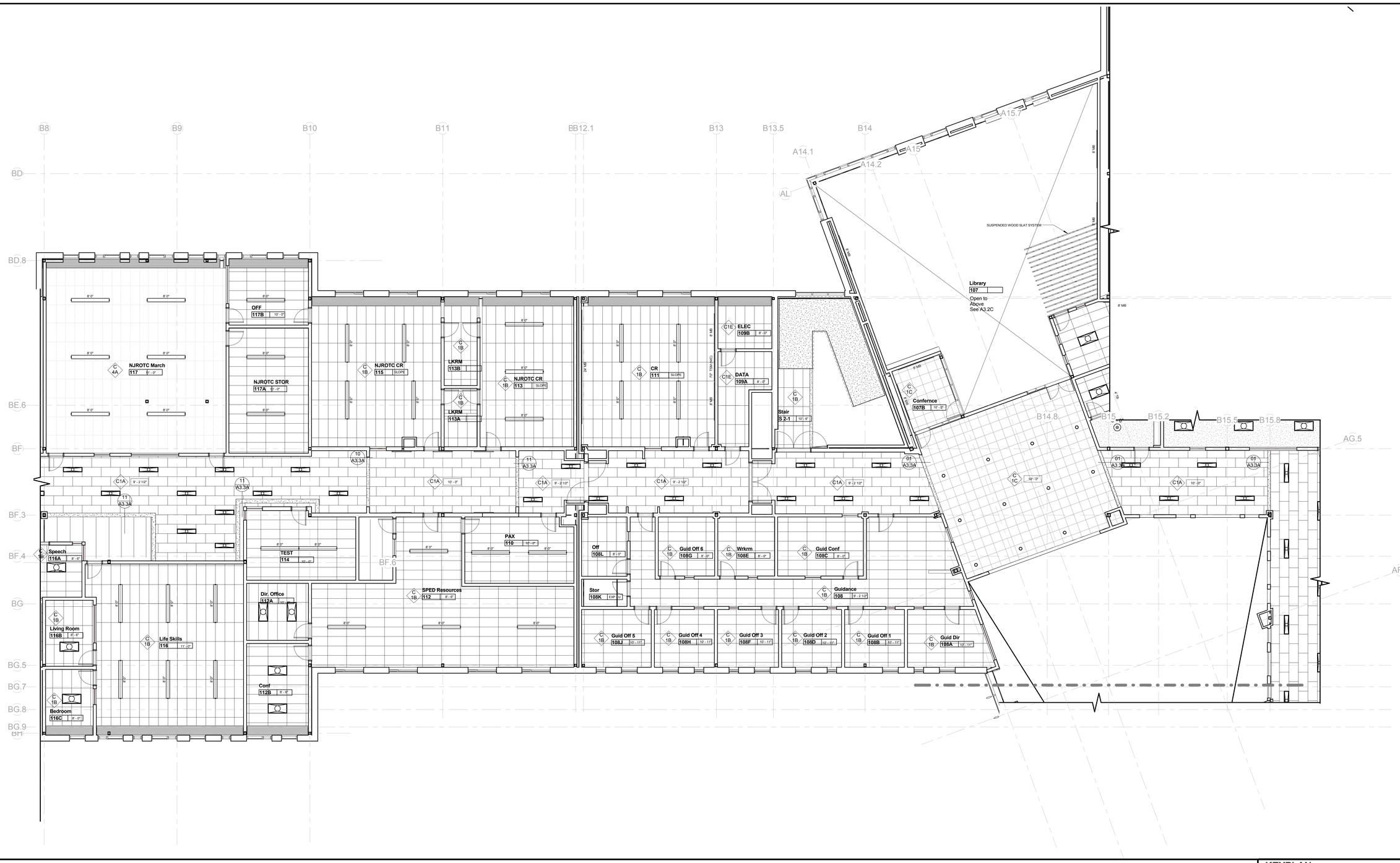

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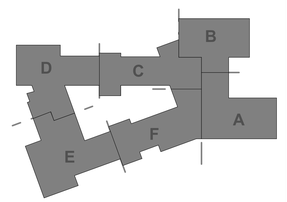

Dover HS / Career Technical Center
Dover, NH
First Floor RCP - Part C

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
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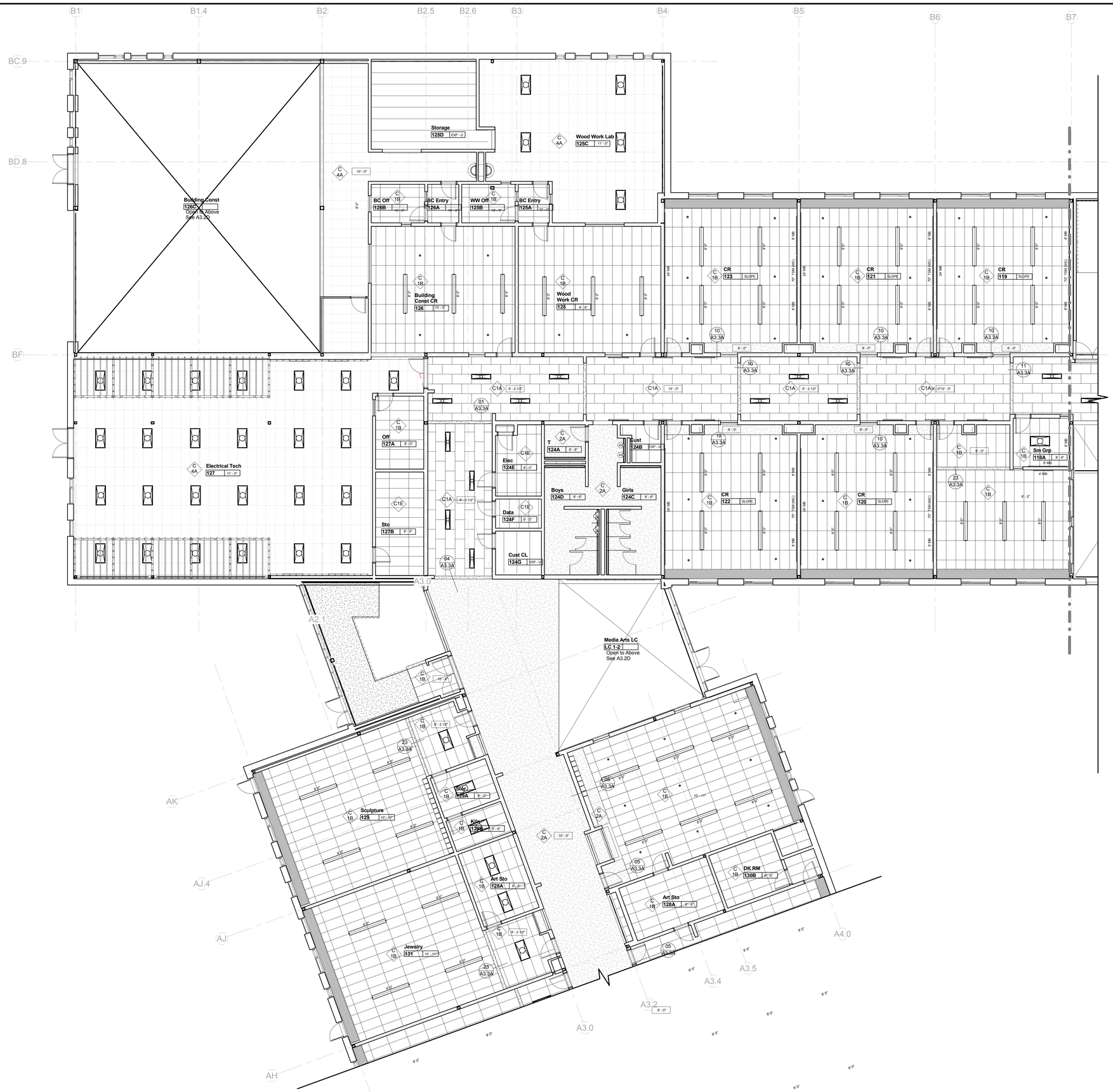

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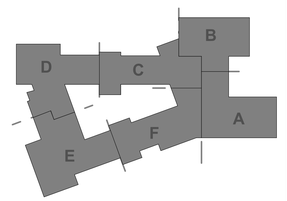

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Dover, NH
First Floor RCP - Part D

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A3.1D

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Dover HS / Career Technical Center
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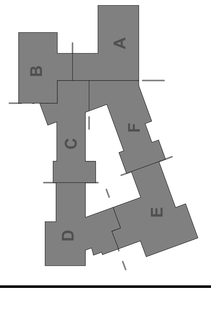

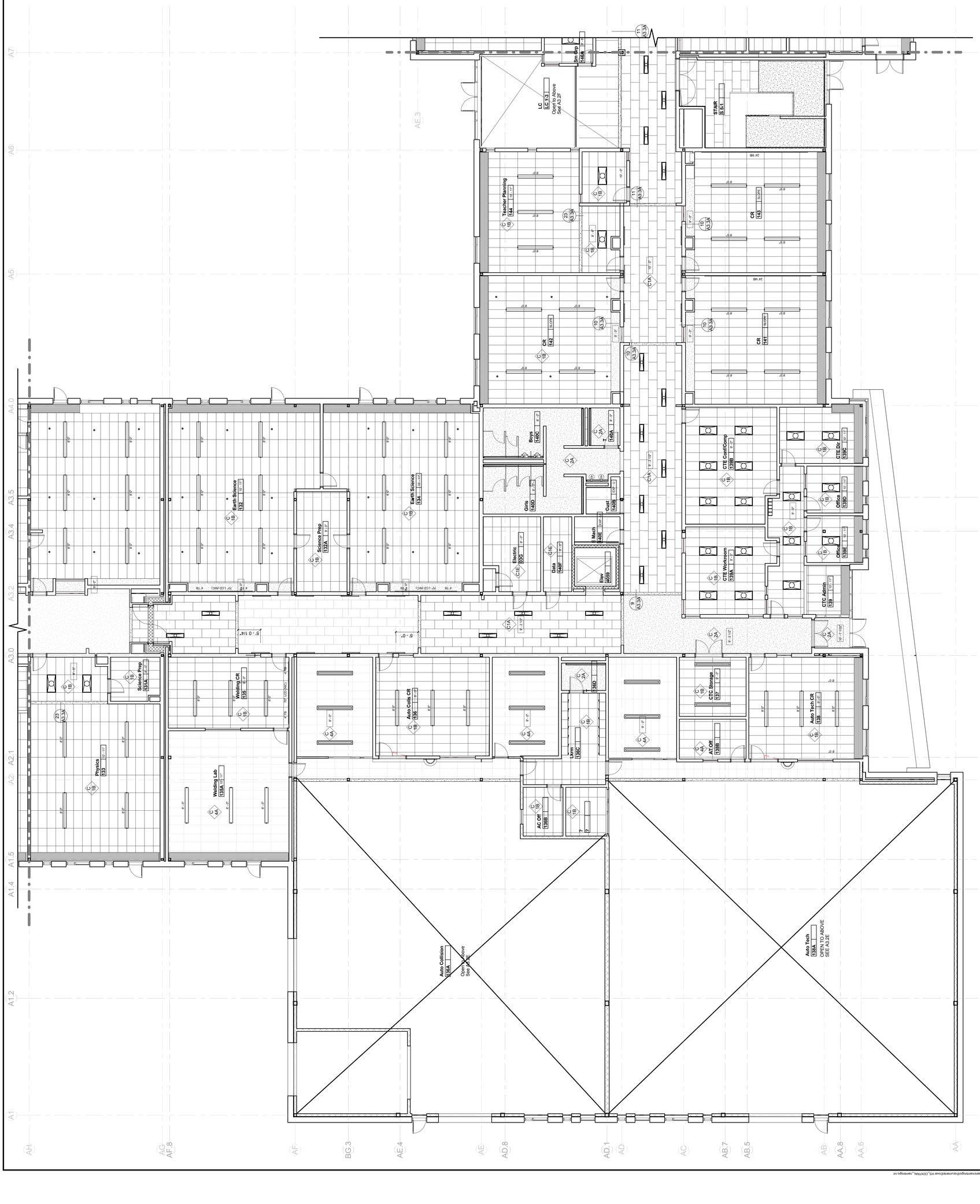

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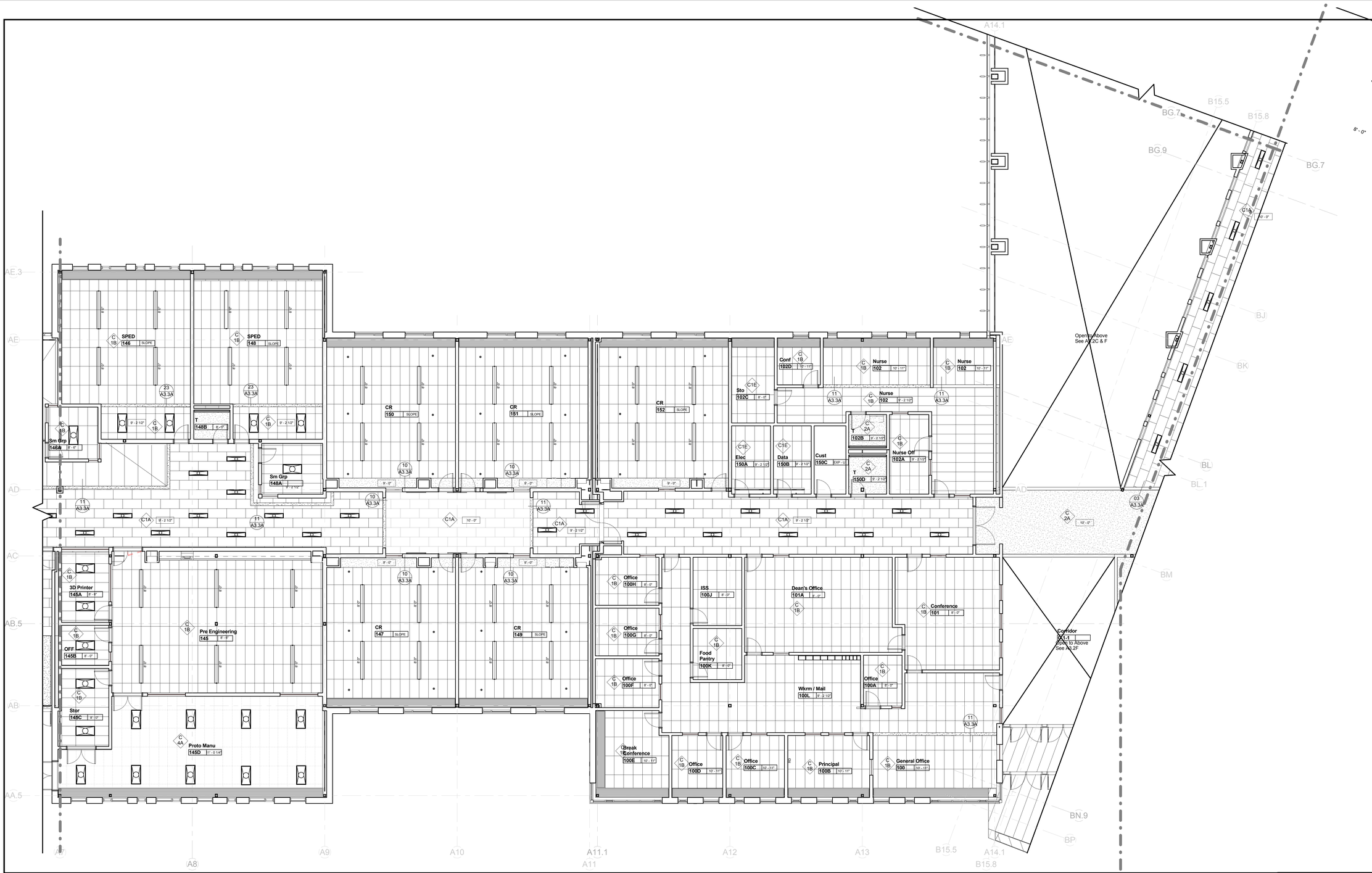

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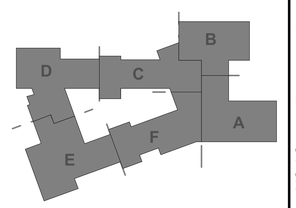

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First Floor RCP - Part F

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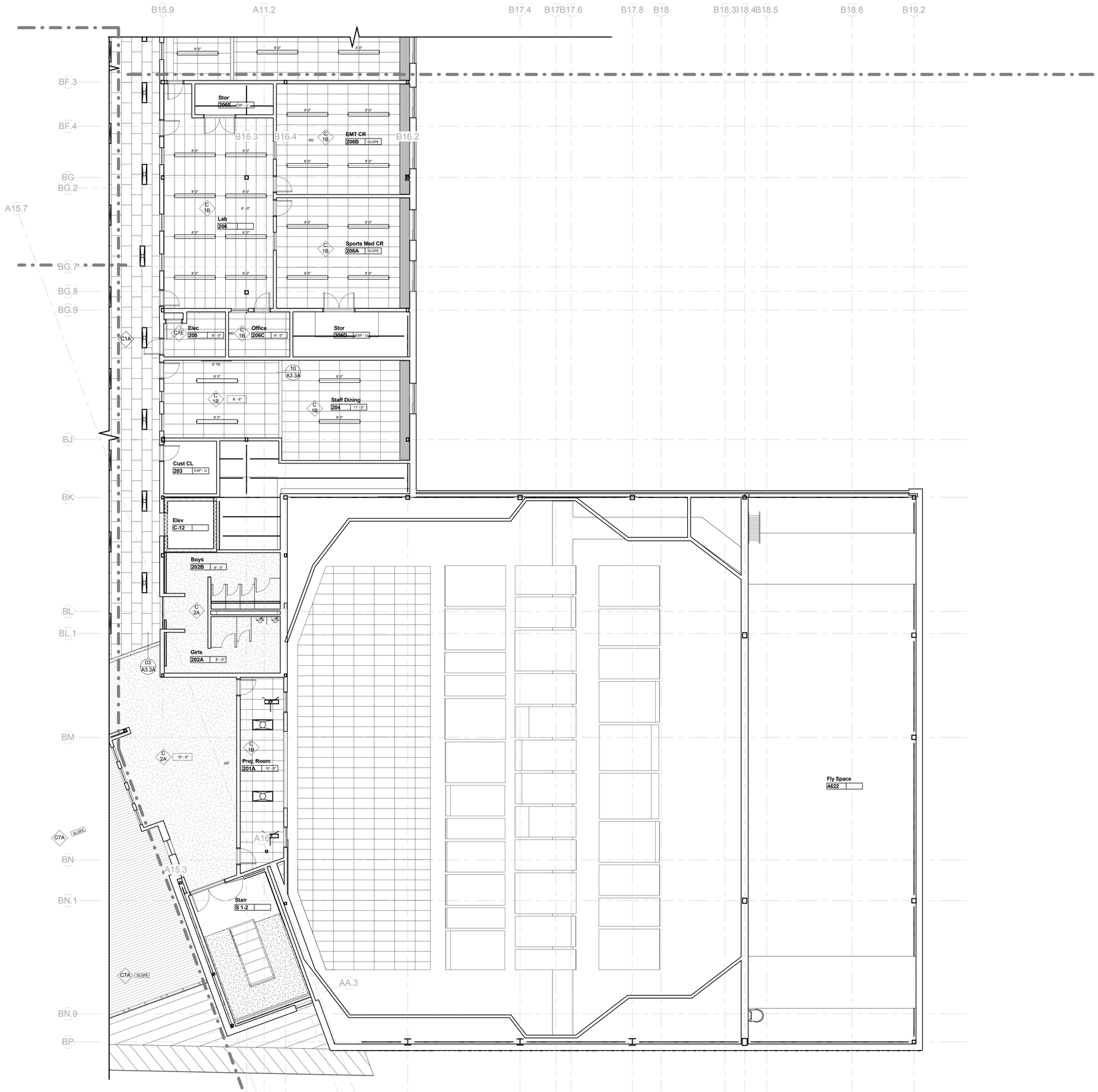

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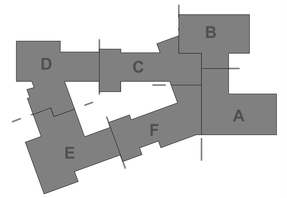

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Second Floor RCP - Part A

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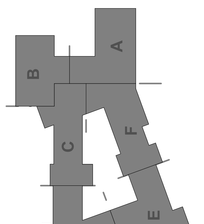

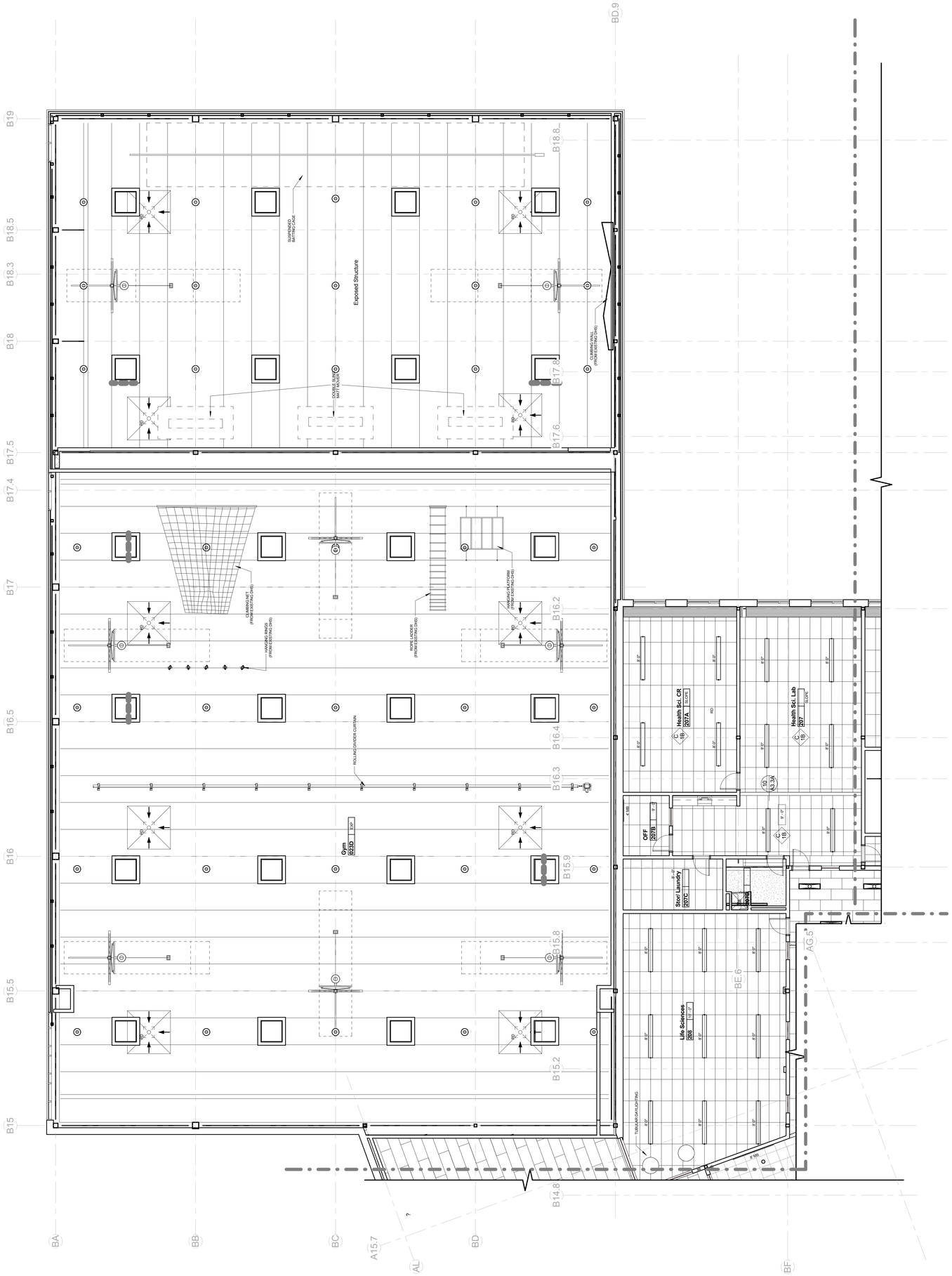

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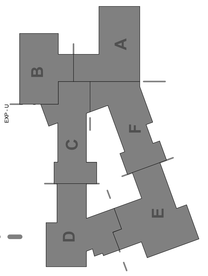

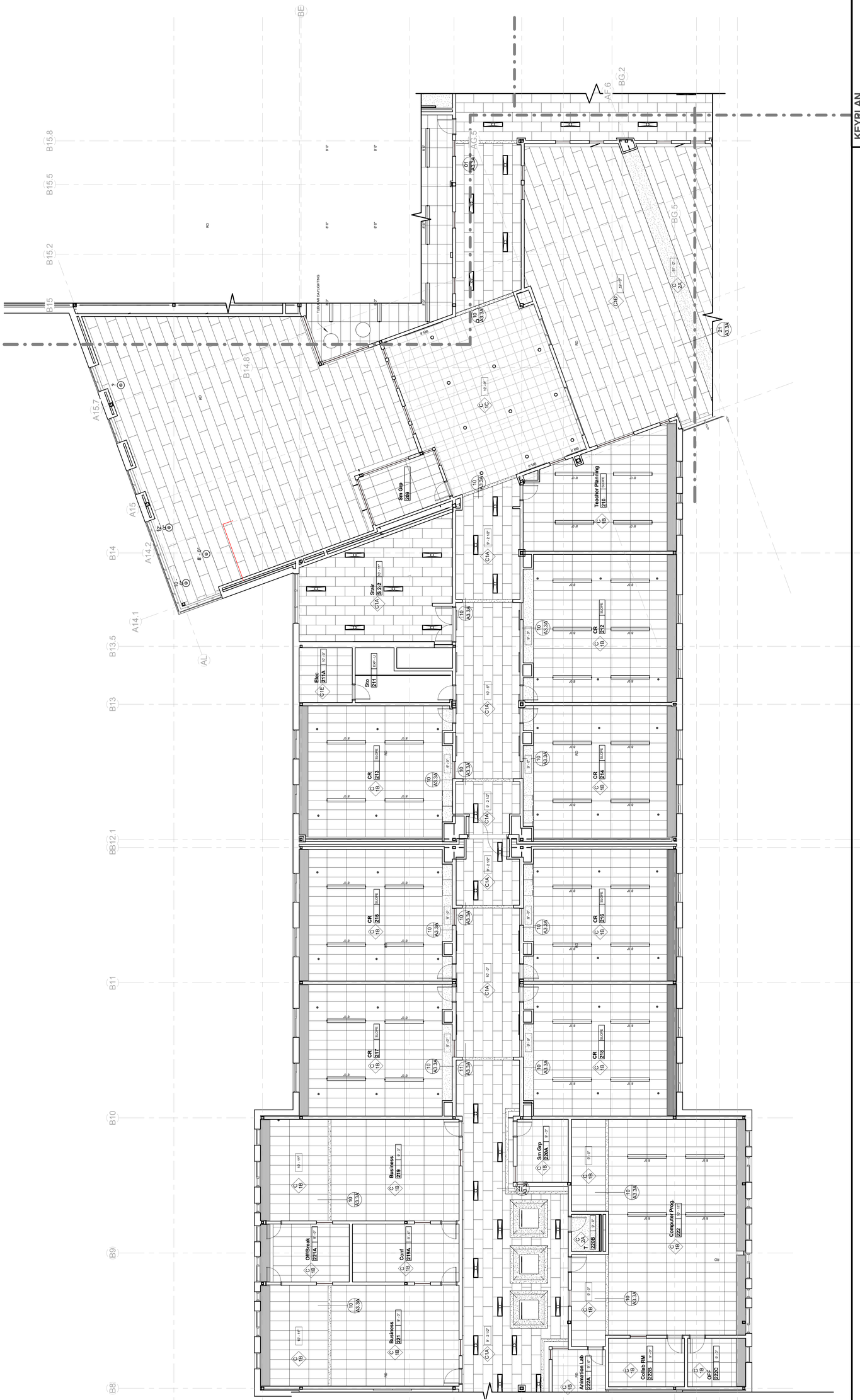

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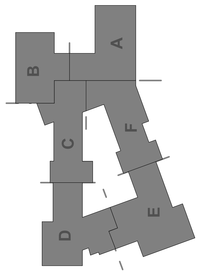

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Second Floor RCP - Part E

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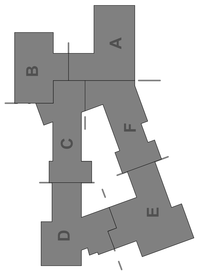

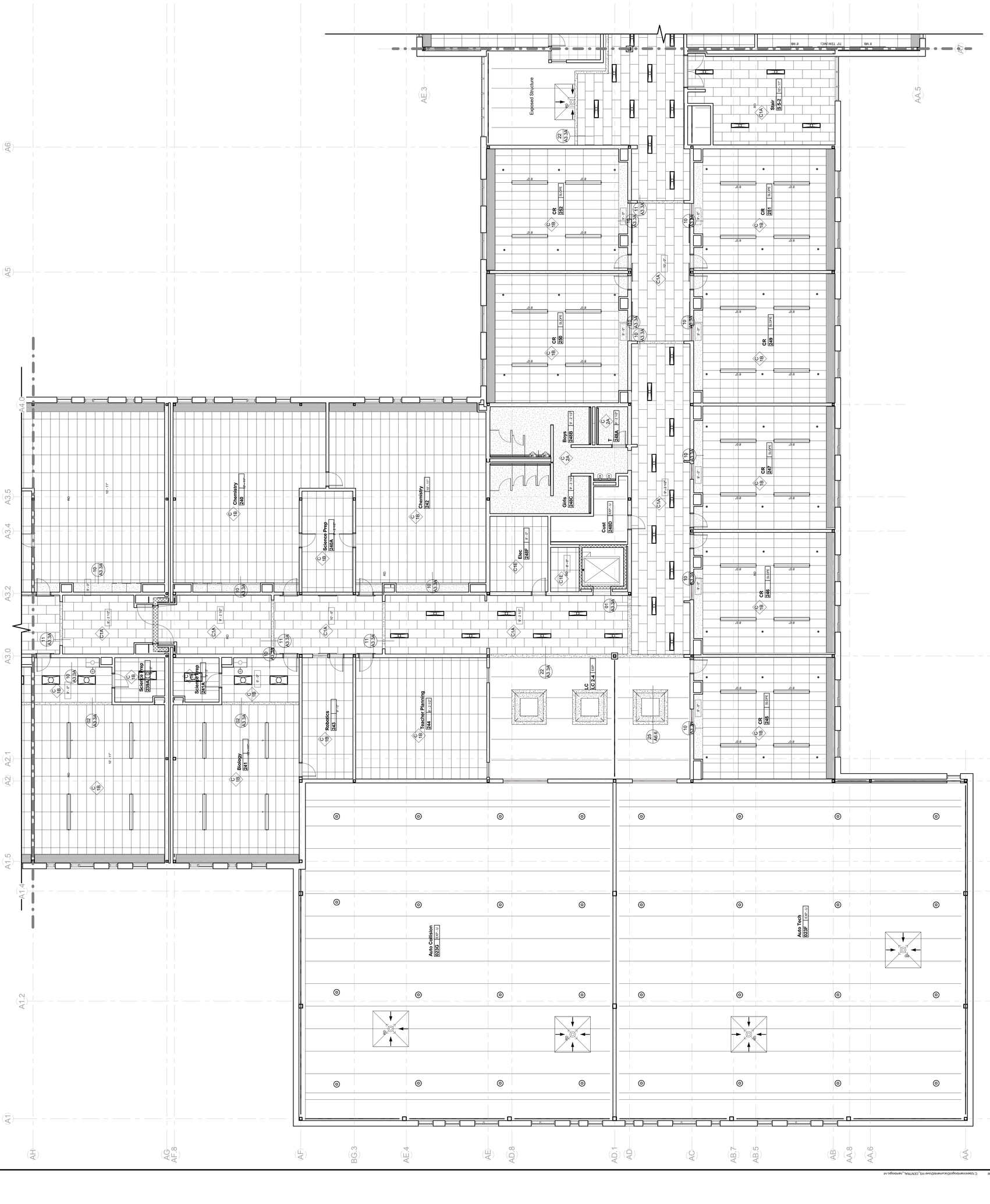

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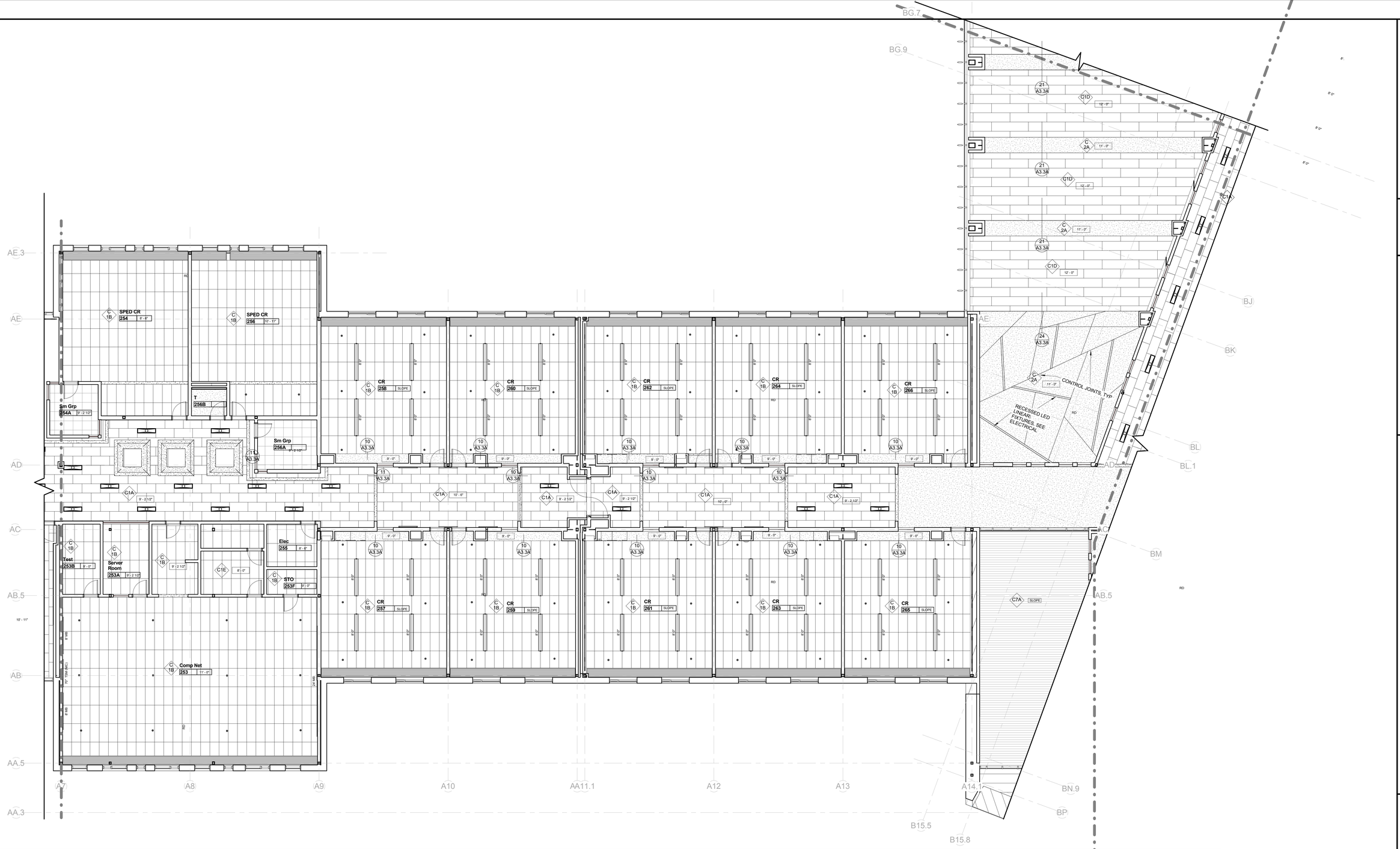

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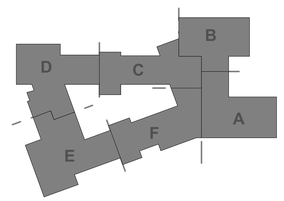

Dover HS / Career Technical Center
Dover, NH
Second Floor RCP - Part F

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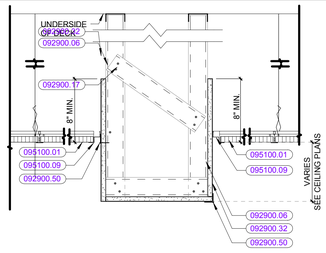

Ceiling Detail 21 (21)
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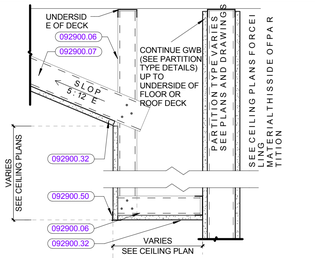

Ceiling Detail 13 (13)
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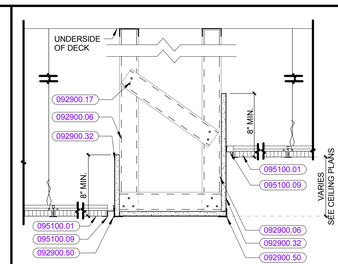

Ceiling Detail 07 (7)
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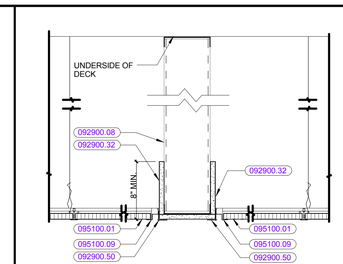

Ceiling Detail 01 (01)
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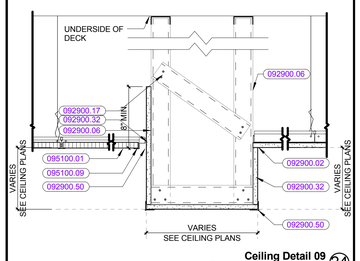

Ceiling Detail 09 (24)
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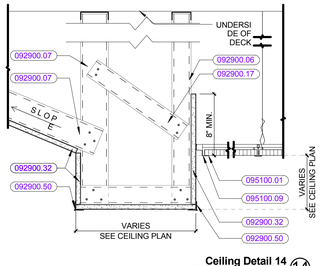

Ceiling Detail 14 (14)
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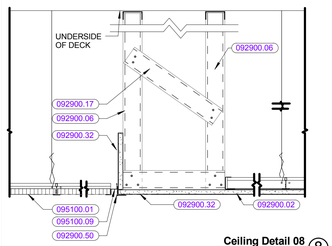

Ceiling Detail 08 (8)
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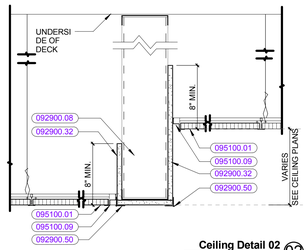

Ceiling Detail 02 (02)
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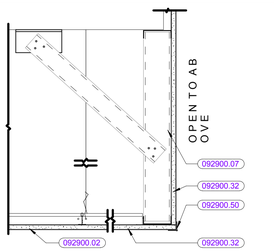

Ceiling Detail 15 (15)
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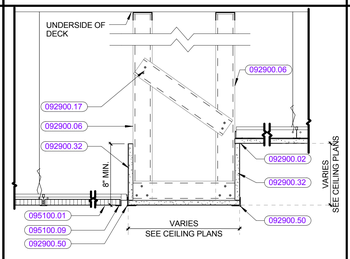

Ceiling Detail 09 (9)
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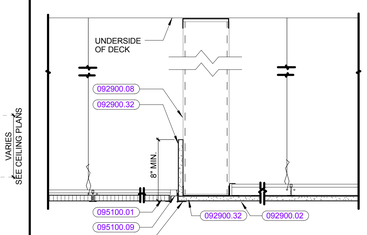

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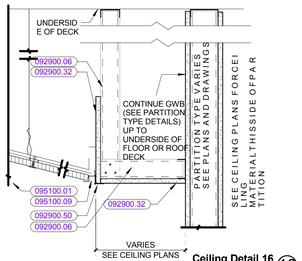

Ceiling Detail 16 (16)
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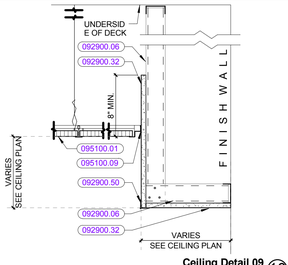

Ceiling Detail 09 (10)
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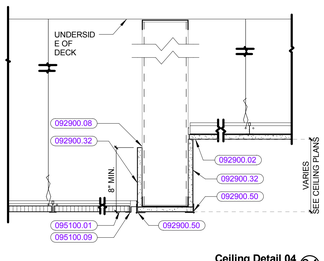

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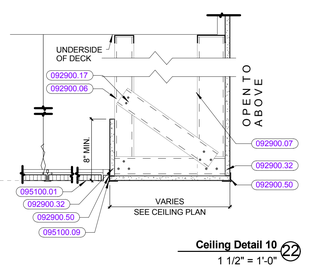
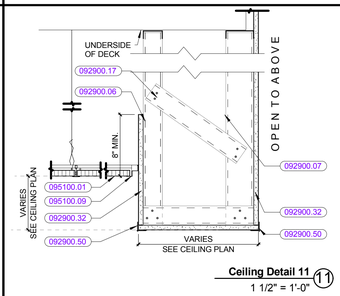
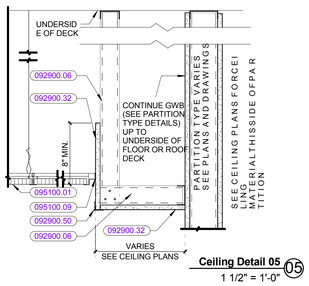


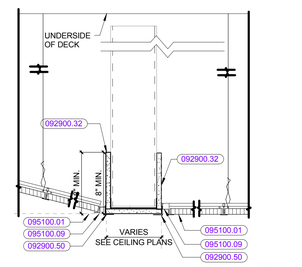
Ceiling Detail 10 (22)
1 1/2" = 1'-0"



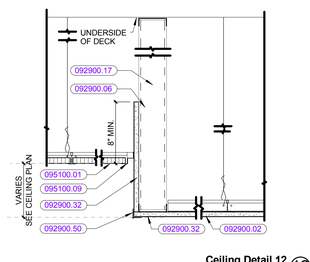
Ceiling Detail 11 (11)
1 1/2" = 1'-0"



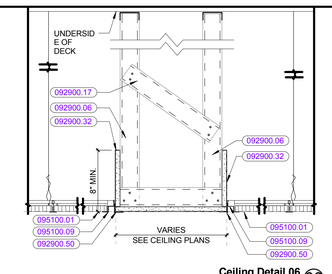
Ceiling Detail 05 (05)
1 1/2" = 1'-0"



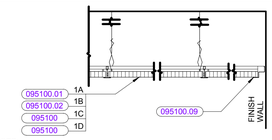
Ceiling Detail 06 (23)
1 1/2" = 1'-0"



Ceiling Detail 12 (12)
1 1/2" = 1'-0"

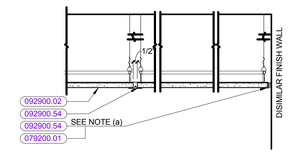


Ceiling Detail 06 (06)
1 1/2" = 1'-0"



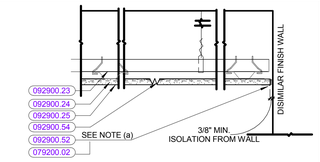
NOTE:
a) SYSTEM TYPE VARIES PER LOCATION, REFER TO REFLECTED CEILING PLANS FOR SYSTEM TYPE LOCATIONS

2X4 STAGGERED ACOUSTIC CEILING TILE C 1A
2X4 GRID ACOUSTIC CEILING TILE C 1B
2X2 GRID ACOUSTIC CEILING TILE C 1C
2X8 STAGGERED ACOUSTIC CEILING TILE C 1D
2X4 LOW NRC ACOUSTIC CEILING TILE C 1E



NOTE:
a) PROVIDE CASING BEAD AND SEALANT ONLY AT LOCATIONS WHERE CEILING SYSTEM MEETS DISIMILAR WALL MATERIALS, I.E. MASONRY, CONCRETE ETC.

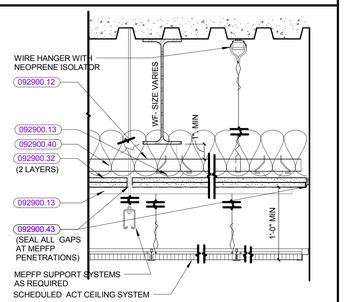
GYPSUM BOARD CEILING SYSTEM C 2A



NOTE: USE THIS SYSTEM FOR EXTERIOR SOFFITS, SHOWERS & LOCKER ROOMS.

NOTE:
a) PROVIDE CASING BEAD AND SEALANT ONLY AT LOCATIONS WHERE CEILING SYSTEM MEETS DISIMILAR WALL MATERIALS, I.E. MASONRY, CONCRETE ETC.

STUCCO FINISH SUSPENSION CEILING SYSTEM C 3A



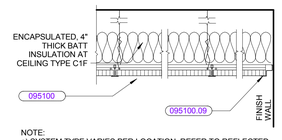
NOTE:
a) ALL MEP/FP EQUIPMENT, EXCEPT FOR LIGHT FIXTURES, SHALL BE HUNG FROM FLOOR STRUCTURE ABOVE PRIOR TO THE INSTALLATION OF ACOUSTIC ISOLATION CEILING. LIGHT FIXTURES MAY BE HUNG FROM THE ACOUSTIC ISOLATION SYSTEM.

b) ALL STUD FRAMED SOFFITS SHALL BE SUPPORTED AND BRACED FROM SIDEWALLS. DO NOT HANG FROM ACOUSTIC CEILING

c) ALL PENETRATIONS THROUGH ACOUSTIC ISOLATION CEILING SHALL BE SEALED CONTINUOUSLY WITH ACOUSTIC SEALANT.

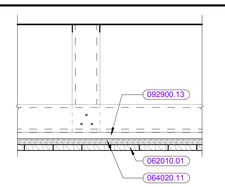
d) PROVIDE HAT CHANNELS @ 4'-0" OC FOR SUPPORT OF ACT CEILING BELOW. COORDINATE SUPPORT LOCATIONS WITH THE ACT INSTALLER.

ACOUSTICALLY ISOLATED SUSPENDED GYPSUM BOARD WITH ACOUSTIC TILE CEILING SYSTEM C 4A



NOTE:
a) SYSTEM TYPE VARIES PER LOCATION, REFER TO REFLECTED CEILING PLANS FOR SYSTEM TYPE LOCATIONS AND SPECIFICATION FOR TILE TYPES.

WASHABLE ACOUSTICAL CEILING TILE CSA



T&G WOOD CEILING - EXTERIOR C 7A

ACOUSTICAL CEILING SUSPENSION SYSTEM — C 1A — 2'x4'
ACOUSTICAL CEILING SUSPENSION SYSTEM — C 1B — 2'x4'
ACOUSTICAL CEILING SUSPENSION SYSTEM — C 1C — 2'x2'
ACOUSTICAL CEILING SUSPENSION SYSTEM — C 1D — 2'x8'
ACOUSTICAL CEILING SUSPENSION SYSTEM - LOW NRC — C 1E — 2'x4'
GYPSUM BOARD CEILING OR SOFFIT (SEE REFERENCED DETAIL FOR SOFFIT CONSTRUCTION) — C 2A
STUCCO CEILING OR SOFFIT (SEE REFERENCED DETAILS FOR SOFFIT CONSTRUCTION) — C 3A
ACOUSTIC SEPARATION CEILING SYSTEM — C 4A — 2'x4'
ACOUSTICAL CEILING SUSPENSION SYSTEM - WASHABLE — C 6A — 2'x4'
ACOUSTICAL TONGUE AND GROOVE CEILING — C 7A

CEILING SYSTEM TYPES (SEE THIS SHEET) — C XX 0 HR, C XX 1 HR, C XX 2 HR

ROOM NAME — Room Name
BUILDING PART LOCATION (SEE KEY PLAN) — A303A | X' - X"
ROOM NUMBER
CEILING HEIGHT

RECESSED FIXTURE
SURFACE MOUNTED FIXTURE
PERIMETER RECESSED LIGHT FIXTURE W/ PARABOLIC LOUVER — PERIM. RECESS.
SUSPENDED LIGHT FIXTURE **BOTTOM** OF FIXTURE AFF — X' - X"
WALL MOUNTED FIXTURE **BOTTOM** OF FIXTURE AFF — X' - X"
WALL MOUNTED INDIRECT FIXTURE **BOTTOM** OF FIXTURE AFF — X' - X"
TRACK LIGHTING FIXTURE

EXIT SIGN - WALL MOUNTED
EXIT SIGN - CEILING MOUNTED
SMOKE (OR HEAT) DETECTOR SEE FIRE ALARM DWGS FOR LOCATIONS — S
SPEAKER — S
SECURITY CAMERA — CAM
CEILING MOUNTED PROJECTOR (CENTER PROJECTOR ON PROJECTION SCREEN, TYP.) — PROJ
SPRINKLER HEAD
CONCEALED SPRINKLER HEAD — C
WALL MOUNTED SPRINKLER
SUPPLY AIR DIFFUSER
RETURN AIR REGISTER
INDUCTION UNIT — IU 2'x2', IU 2'x4'
CABINET UNIT HEATER (CLG MTD)
MECHANICAL UNIT ABOVE CEILING (MAINTAIN CLEAR ACCESS BELOW UNIT, FOR ABOVE CEILING MAINTENANCE) — MECH

NOTES-INTERIOR CEILING DETAILS

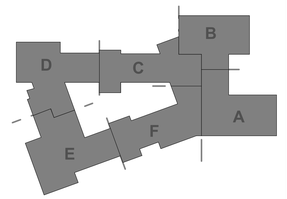
A) REFER TO A3.1 FOR CEILING SYSTEM TYPES.

B) XXXXXX

KEYNOTE LIST

062010.01	EXTERIOR IPE WOOD SOFFIT
064020.11	1/2" PLYWOOD
079200.01	INTERIOR SEALANT AND BACKEROD
079200.02	EXTERIOR SEALANT AND BACKEROD
092900.02	GYPSUM BOARD CEILING SYSTEM
092900.06	2-1/2" STUDS
092900.07	3-5/8" STUDS
092900.08	6" STUDS
092900.12	COLD-ROLLED CARRYING CHANNEL
092900.13	7/8" HAT-SHAPED RIGID FURRING CHANNEL
092900.17	STUD BRACING AS REQUIRED
092900.23	STEEL SUSPENDED FRAMING & SOFFIT SYSTEM
092900.24	CEMENT BOARD
092900.25	STUCCO FINISH
092900.32	5/8" FIRE-RESISTANT GYPSUM BOARD
092900.40	6" (MIN) GLASS FIBER BLANKET INSULATION
092900.43	ACOUSTICAL SEALANT
092900.50	CORNER BEAD
092900.52	L-TRIM
092900.54	CONTROL JOINT
095100	ACOUSTICAL PANEL CEILINGS
095100.01	STANDARD TYPE ACOUSTIC TILE CEILING SYSTEM
095100.02	WASHABLE TYPE ACOUSTIC TILE CEILING SYSTEM
095100.09	EDGE MOLDING

KEYPLAN



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Ceiling Details

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DRAWING NUMBER
A3.3A

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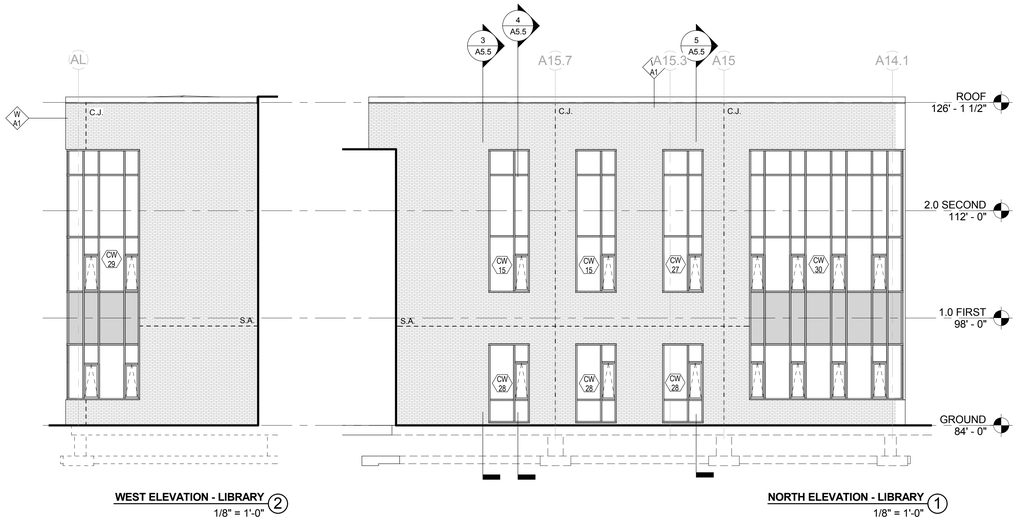
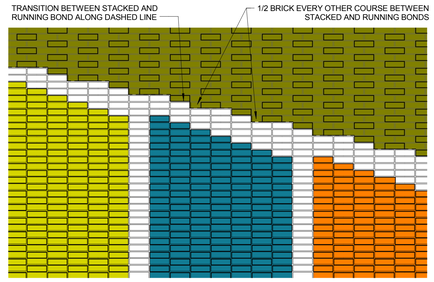


WEST ELEVATION - LIBRARY (2)
1/8" = 1'-0"

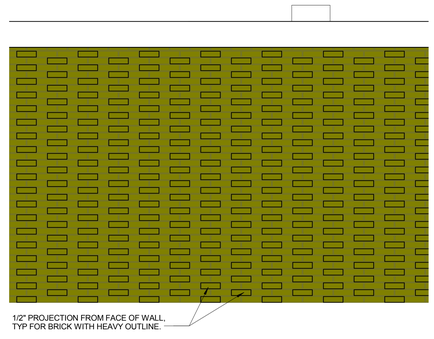
NORTH ELEVATION - LIBRARY (1)
1/8" = 1'-0"

EXTERIOR BRICK PATTERN AND BOND

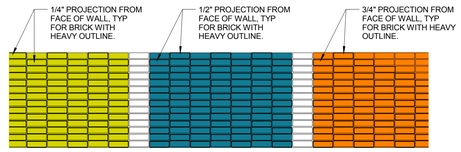
NOTE: COLORS INDICATED ON ELEVATIONS SHOW BRICK PATTERNS DETAILED HERE. ALL OTHER BRICKS TO BE RUNNING BOND WITH NO PROJECTIONS AND STACKED BOND WHERE INDICATED



BRICK BOND TRANSITION (10)
1/2" = 1'-0"



TYPICAL RUNNING BOND PATTERN PROJECTION (8)
1/2" = 1'-0"



TYPICAL STACKED BOND PATTERN (9)
1/2" = 1'-0"

GENERAL NOTES FOR PRICING ELEVATIONS

1) SEE A.6.1 FOR TYPICAL ROOF EDGE AND BRICK WALL DETAILS
2) SEE LANDSCAPE & CIVIL DRAWINGS FOR COURTYARD AND CHANGING GRADES
3) EXTENT AND TYP OF ACOUSTIC AND VISUAL SCREENS CALLED OUT ON ROOF PLAN

EXTERIOR MATERIALS LEGEND

C.J.	CONTROL JOINT
E.J.	EXPANSION JOINT
S.A.	SHELF ANGLE (SEE STRUCT DWGS)
	BRICK COLOR 1 - WA1
	BRICK COLOR 2 - WA1
	ACOUSTIC/ VISUAL SCREENS
	INSULATED METAL PANEL

PARTIAL NORTH ELEVATION - CLASSROOM (3)
1/8" = 1'-0"

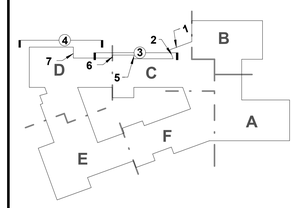
EAST ELEV - EARTH SCIENCE & WOODWORKING (7)
1/8" = 1'-0"

WEST ELVATION - CTE (6)
1/8" = 1'-0"

EAST ELEVATION - CTE (5)
1/8" = 1'-0"

PARTIAL NORTH ELEVATION (4)
1/8" = 1'-0"

KEYPLAN



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25 Alumni Drive, Dover, NH
Building Elevations

SCALE: As Indicated | DRAWN BY: SD | CHECKED BY:

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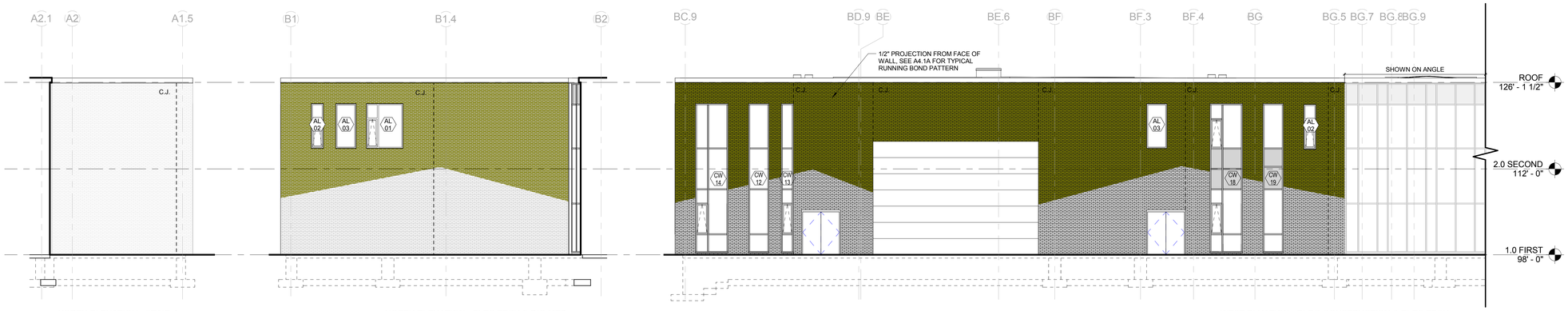
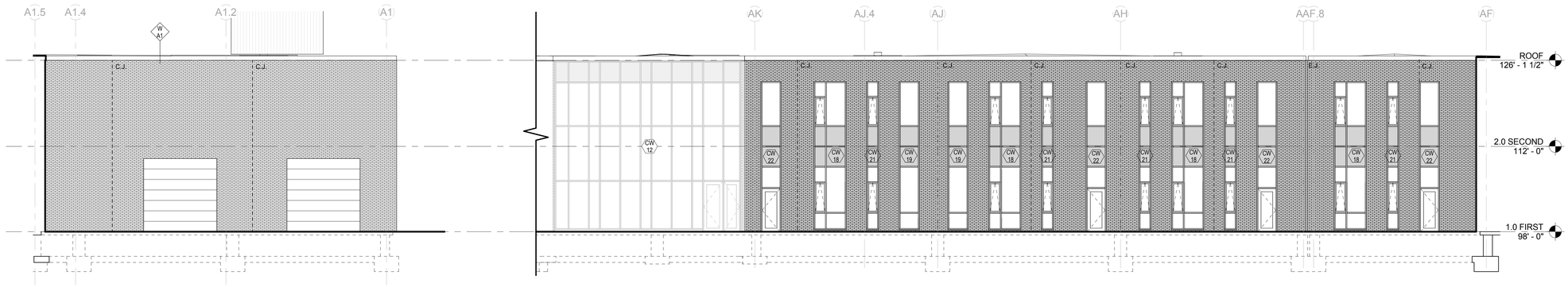


NORTH ELEVATION - STAIR 4 (3)
1/8" = 1'-0"

NORTH ELEVATION - ELEC TECH & BIO MED (2)
1/8" = 1'-0"

WEST ELVATION - BLDG CONSTRUCTION & ELEC TECH (1)
1/8" = 1'-0"



NORTH ELEVATION - AUTO COLLISION (5)
1/8" = 1'-0"

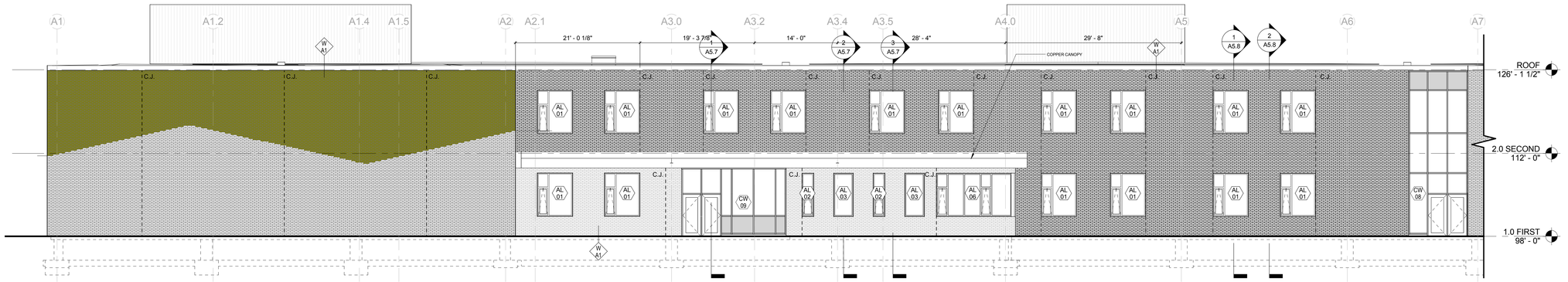
WEST ELEVATION (4)
1/8" = 1'-0"

EAST CORNER CTC ENTRY (9)
1/8" = 1'-0"

WEST CORNER CTC ENTRY (8)
1/8" = 1'-0"

EAST ELEVATION - AUTO COLLISION (7)
1/8" = 1'-0"

WEST ELEVATION - AUTO COLLISION (6)
1/8" = 1'-0"



PARTIAL SOUTH ELEVATION (10)
1/8" = 1'-0"

EXTERIOR MATERIALS LEGEND

C.J.	CONTROL JOINT
E.J.	EXPANSION JOINT
S.A.	SHELF ANGLE (SEE STRUCT DWGS)

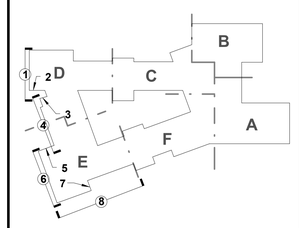
BRICK COLOR 1 - WA1

BRICK COLOR 2 - WA1

ACOUSTIC/ VISUAL SCREENS

INSULATED METAL PANEL

KEYPLAN



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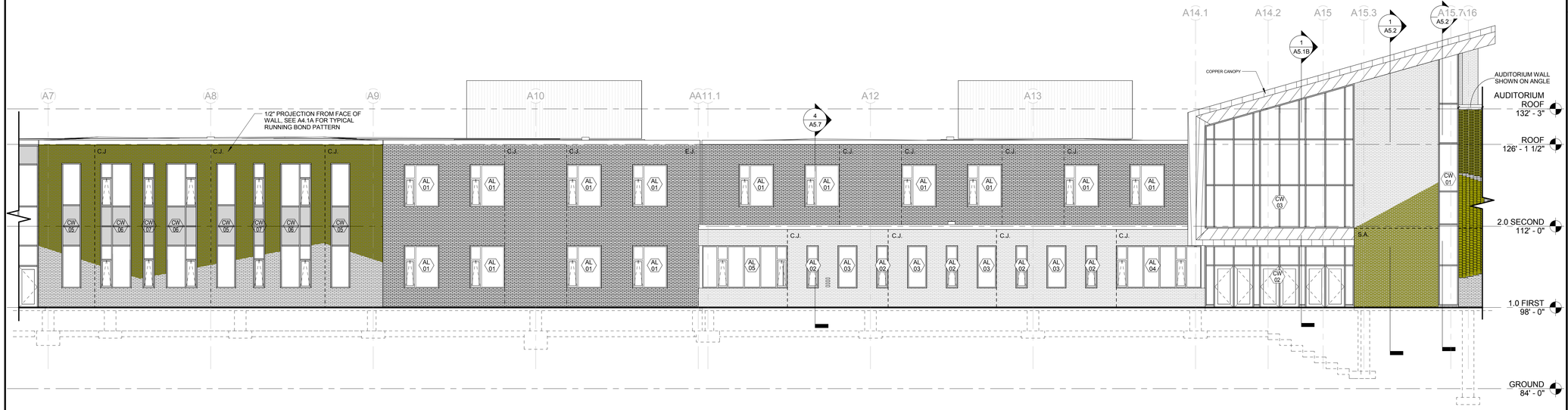
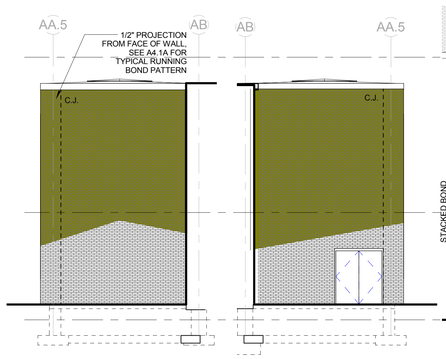
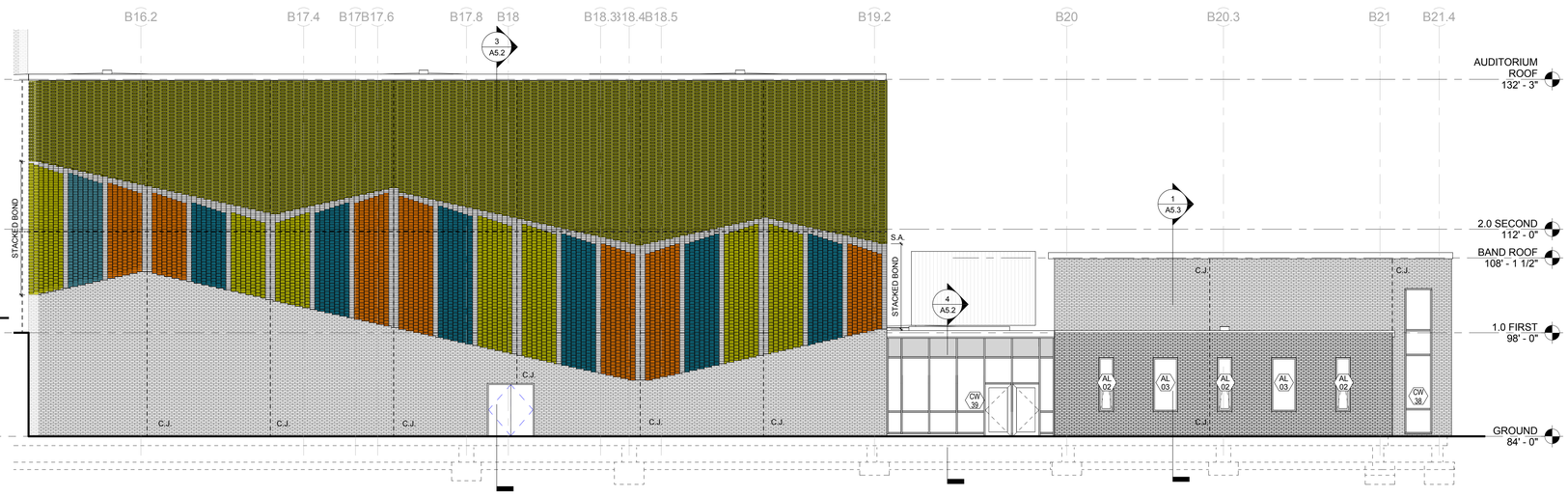


SOUTH ELEVATION - COMP. & PRE ENGINEERING ①
1/8" = 1'-0"

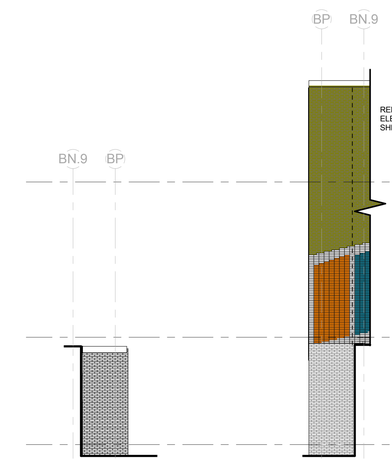


EAST ELEV - COMP. & PRE ENG ④
1/8" = 1'-0"

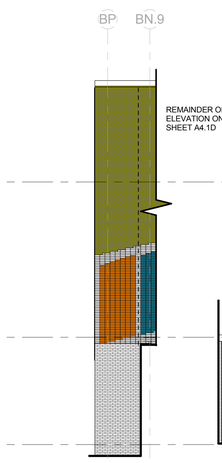
WEST ELEVATION ③
1/8" = 1'-0"



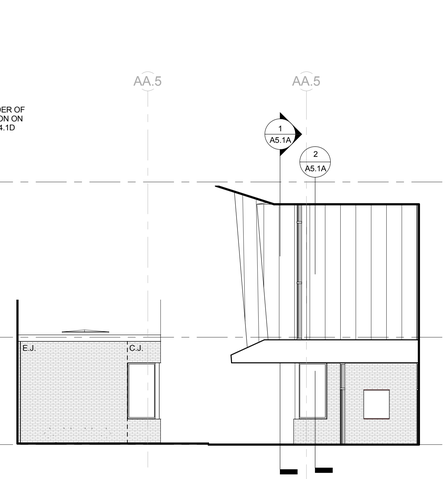
SOUTH ELEVATION - AUDITORIUM ②
1/8" = 1'-0"



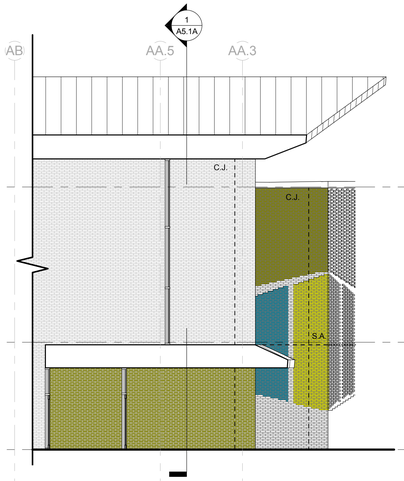
WEST CORNER BAND WING ENTRY ⑩
1/8" = 1'-0"



EAST CORNER BAND WING ENTRY ⑨
1/8" = 1'-0"

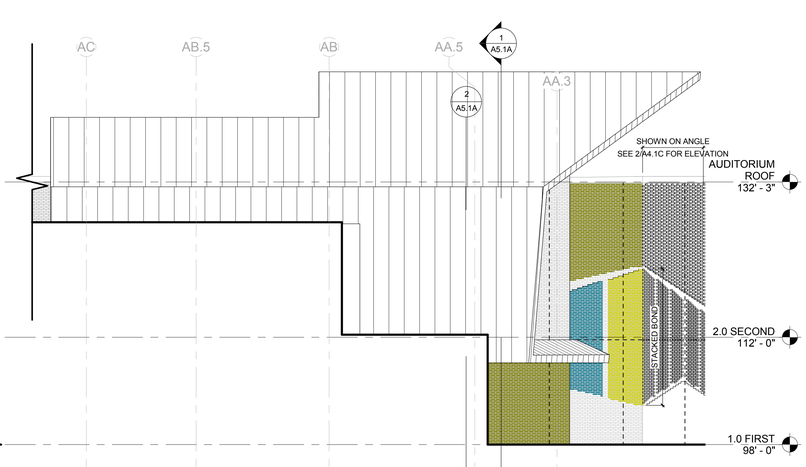


WEST ELEVATION - ADMIN ⑧
1/8" = 1'-0"



WEST ELEVATION - ENTRY VESTIBULE ⑦
1/8" = 1'-0"

EAST ELEVATION - STAIR & VESTIBULE ⑥
1/8" = 1'-0"

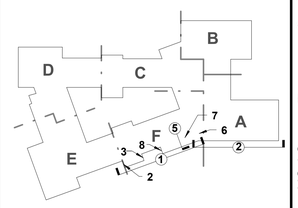


WEST ELEVATION - STAIR 1 ⑤
1/8" = 1'-0"

EXTERIOR MATERIALS LEGEND

C.J.	CONTROL JOINT
E.J.	EXPANSION JOINT
S.A.	SHELF ANGLE (SEE STRUCT DWGS)
	BRICK COLOR 1 - WA1
	BRICK COLOR 2 - WA1
	ACOUSTIC/ VISUAL SCREENS
	INSULATED METAL PANEL

KEYPLAN



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3/14/2016 8:03:47 PM C:\Users\sdavis\Documents\Revit Temp\Dover HS_CENTRAL_sdavis.rvt

EXTERIOR MATERIALS LEGEND

C.J.	CONTROL JOINT
E.J.	EXPANSION JOINT
S.A.	SHELF ANGLE (SEE STRUCT DWGS)
	BRICK COLOR 1 - WA1
	BRICK COLOR 2 - WA1
	ACOUSTIC/ VISUAL SCREENS
	INSULATED METAL PANEL

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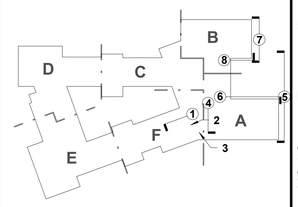
KEYPLAN



Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Building Elevations

SCALE: As indicated
DRAWN BY: SD
CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A4.1D

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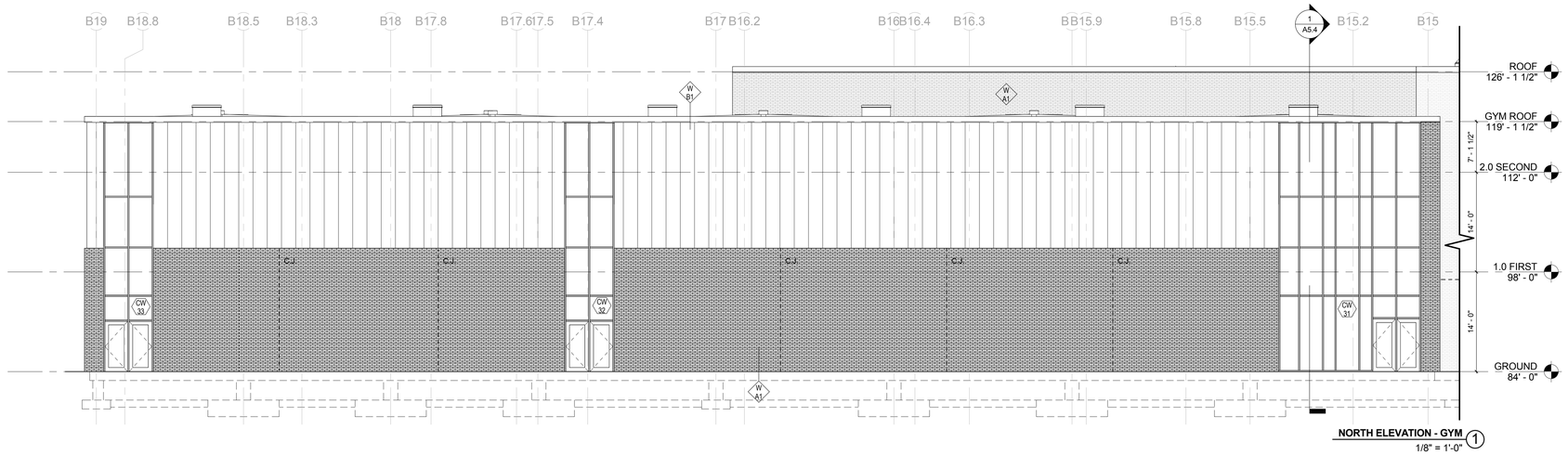
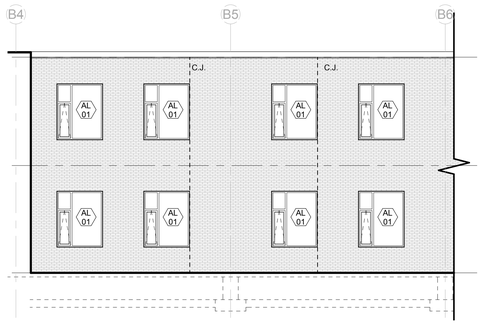
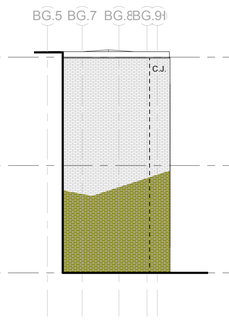


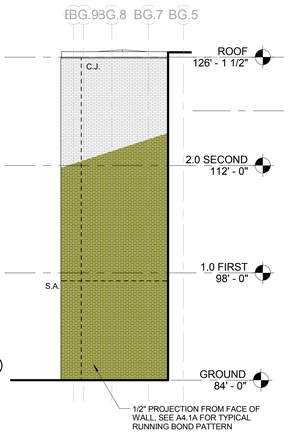
NORTH ELEVATION - GYM (1)
1/8" = 1'-0"



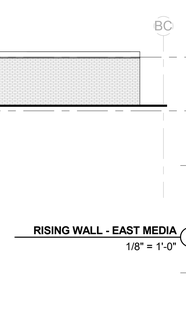
PARTIAL SOUTH ELEVATION - COURTYARD (6)
1/8" = 1'-0"



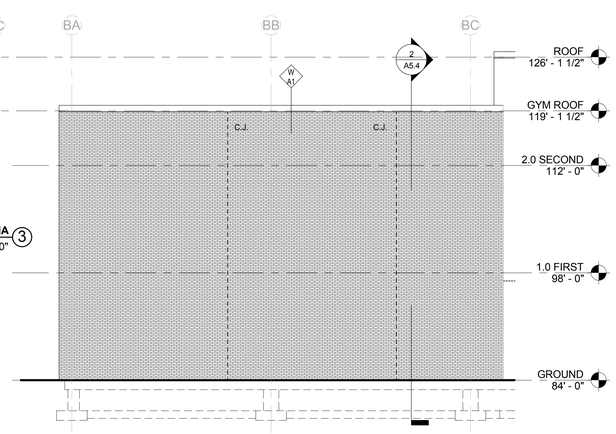
WEST ELEVATION - LIFE SKILLS (5)
1/8" = 1'-0"



EAST ELEVATION - LIFE SKILLS (4)
1/8" = 1'-0"



RISING WALL - EAST MEDIA (3)
1/8" = 1'-0"



WEST ELEVATION - GYM (2)
1/8" = 1'-0"

SOUTH ELEVATION - COURTYARD (7)
1/8" = 1'-0"

EXTERIOR MATERIALS LEGEND

C.J.	CONTROL JOINT
E.J.	EXPANSION JOINT
S.A.	SHELF ANGLE (SEE STRUCT DWGS)

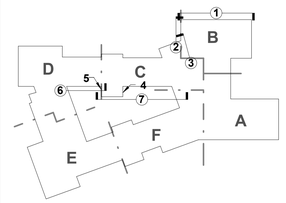
BRICK COLOR 1 - WA1

BRICK COLOR 2 - WA1

ACOUSTIC/ VISUAL SCREENS

INSULATED METAL PANEL

KEYPLAN



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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Building Elevations

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SCALE: As indicated

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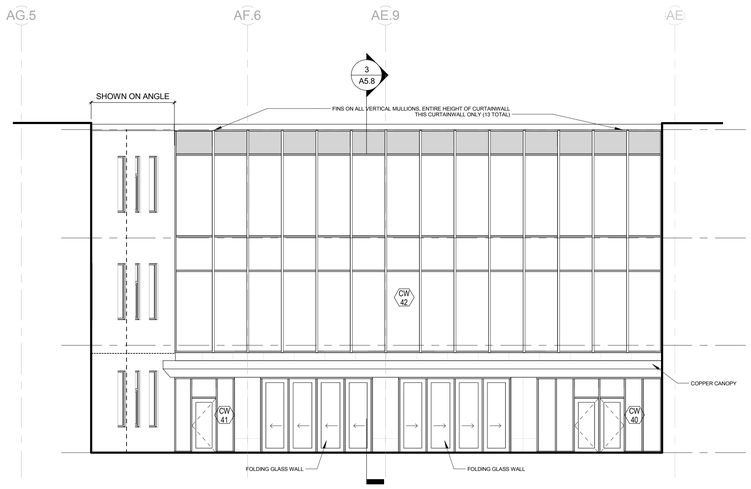
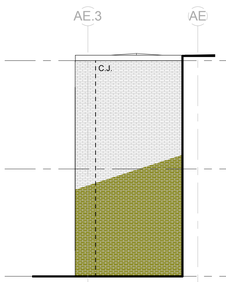
NORTH ELEV - WEST COURTYARD ②
1/8" = 1'-0"

WEST ELEVATION - COURTYARD ①
1/8" = 1'-0"

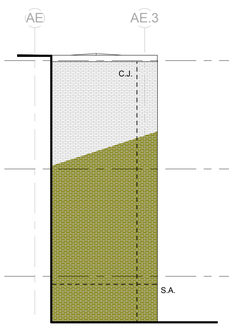
NORTH ELEVATION - COURTYARD ③
1/8" = 1'-0"



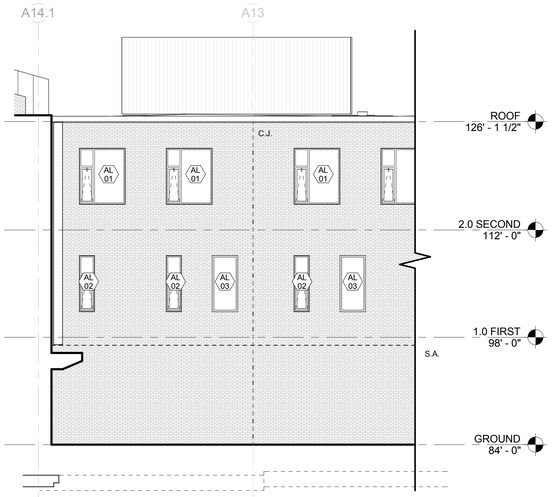
EAST ELEVATION - COURTYARD ⑦
1/8" = 1'-0"



EAST ELEV - LIFE SKILLS ⑥
1/8" = 1'-0"



WEST ELEV - LIFE SKILLS ⑤
1/8" = 1'-0"



PARTIAL NORTH ELEVATION - COURTYARD ④
1/8" = 1'-0"

EXTERIOR MATERIALS LEGEND

C.J.	CONTROL JOINT
E.J.	EXPANSION JOINT
S.A.	SHELF ANGLE (SEE STRUCT DWGS)

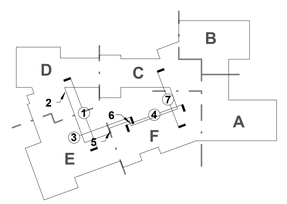
BRICK COLOR 1 - WA1

BRICK COLOR 2 - WA1

ACOUSTIC/ VISUAL SCREENS

INSULATED METAL PANEL

KEYPLAN



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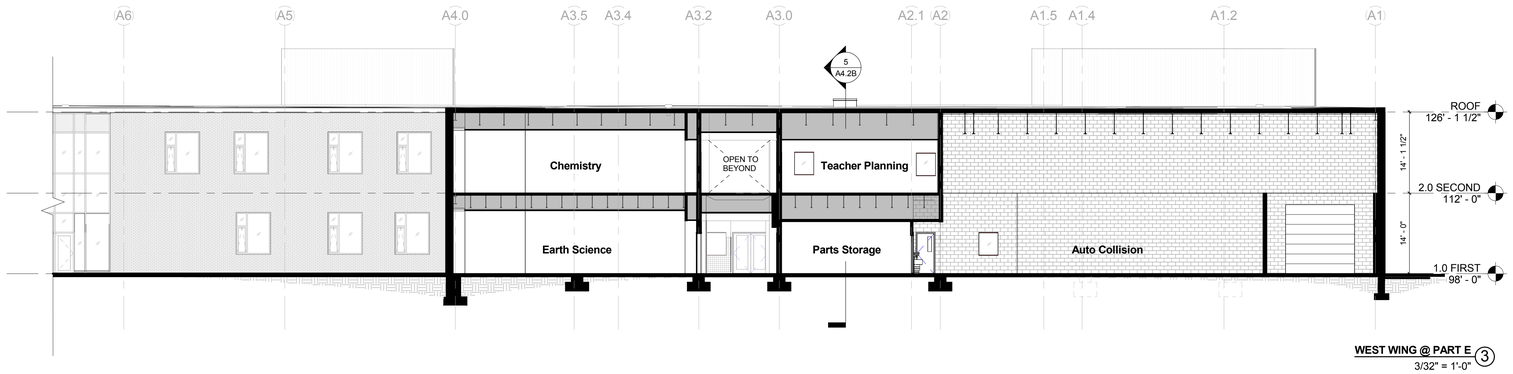
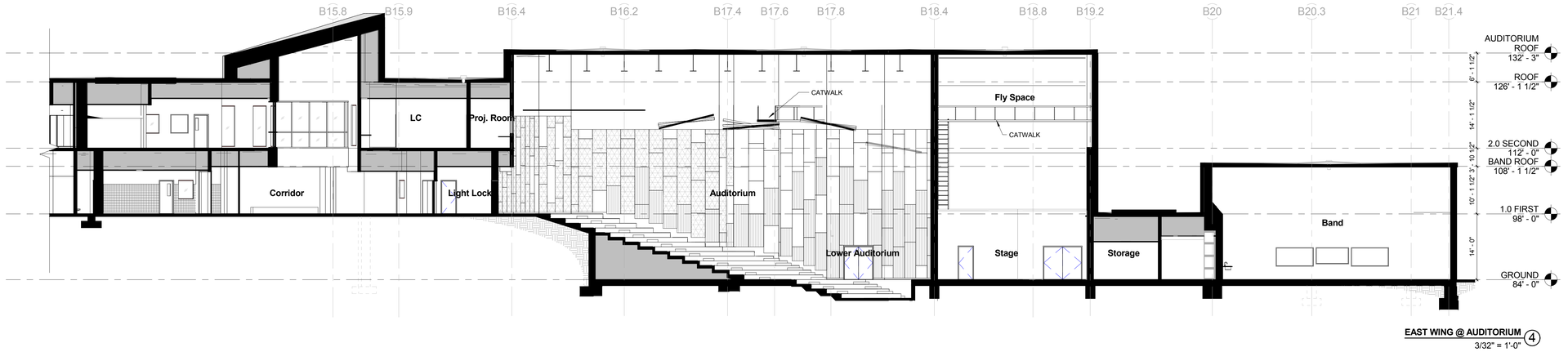
CORRIDOR @ NORTH WING - PART D (1)
3/32" = 1'-0"

CORRIDOR @ NORTH WING - PART C (2)
3/32" = 1'-0"

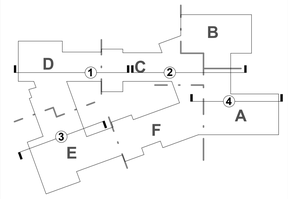


WEST WING @ PART E (3)
3/32" = 1'-0"



EAST WING @ AUDITORIUM (4)
3/32" = 1'-0"

KEYPLAN



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Building Sections

SCALE: 3/32" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
A4.2A

JOB NUMBER 403114

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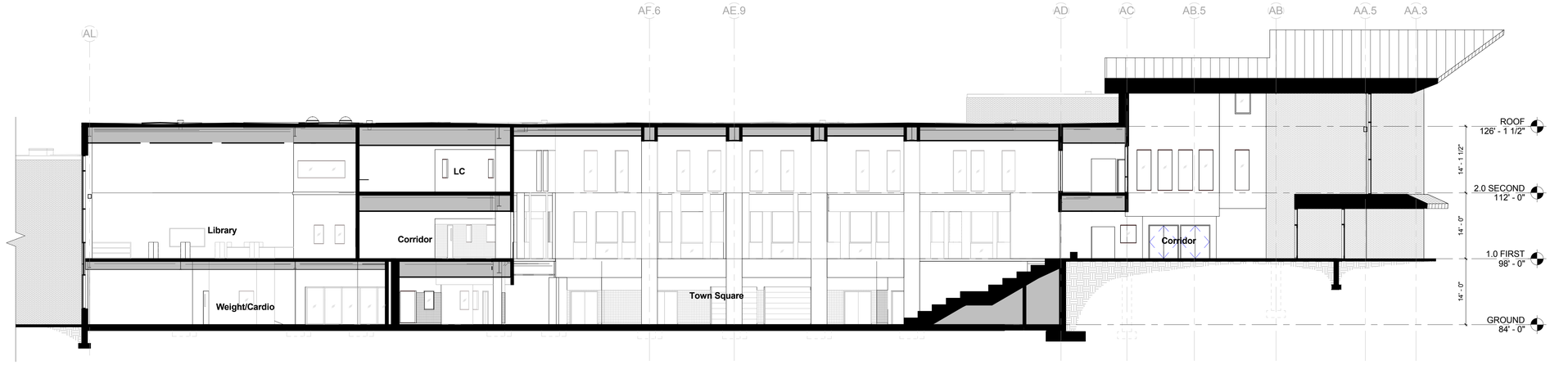
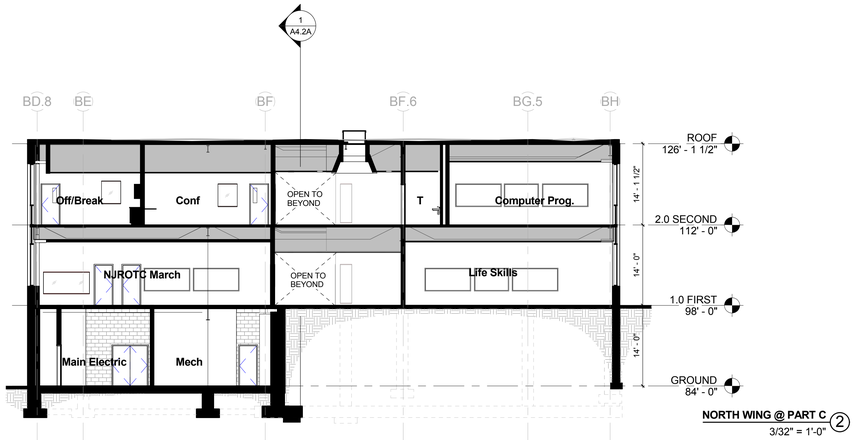
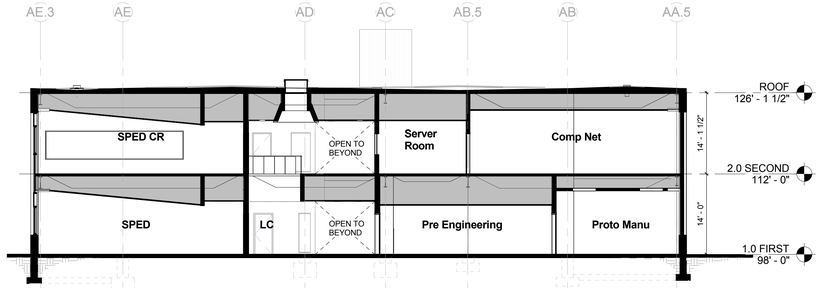


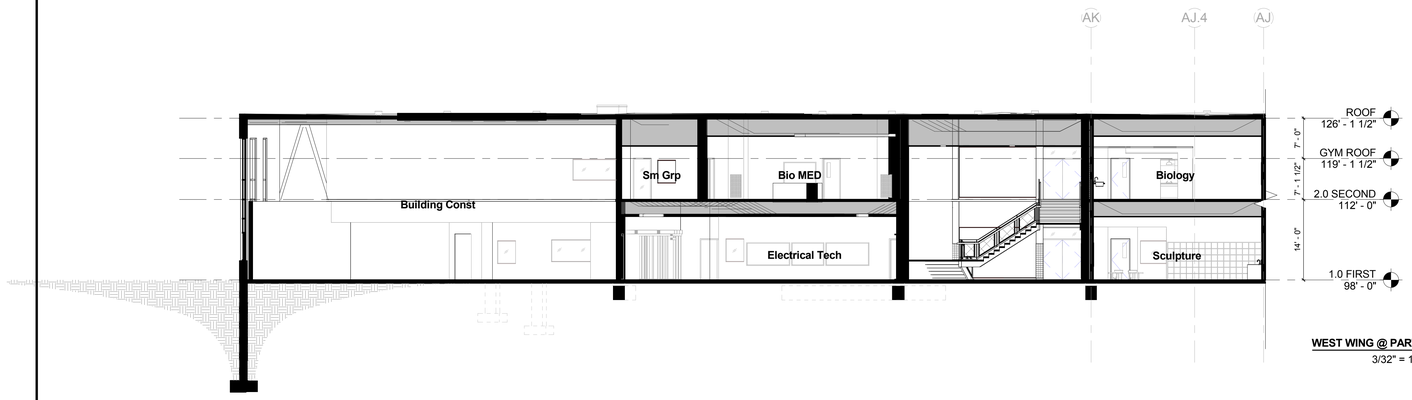
EAST WING @ TOWN SQUARE (1)
3/32" = 1'-0"



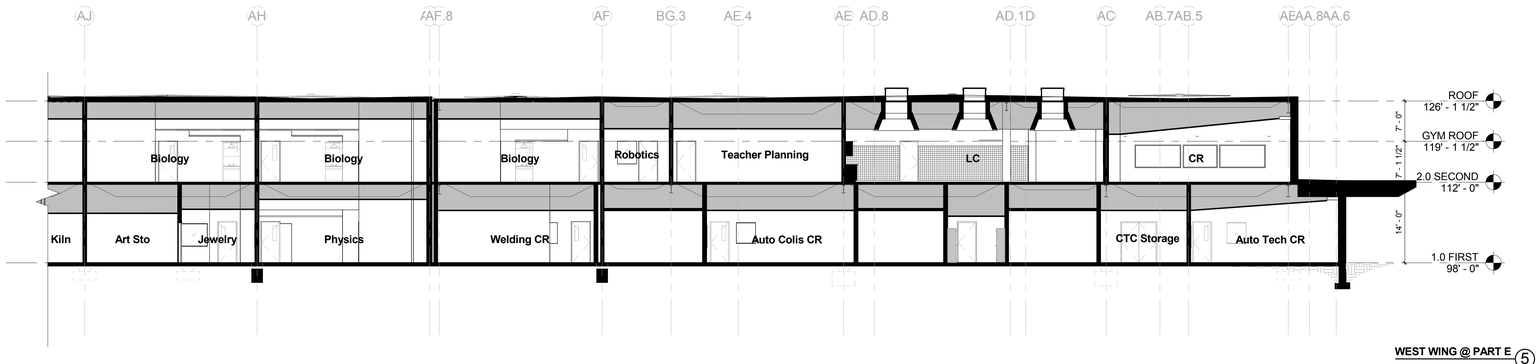
NORTH WING @ PART C (2)
3/32" = 1'-0"



SOUTH WING @ PART F (3)
3/32" = 1'-0"

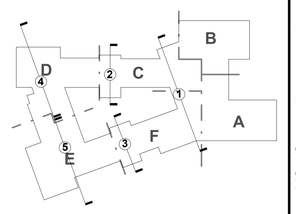


WEST WING @ PART D (4)
3/32" = 1'-0"



WEST WING @ PART E (5)
3/32" = 1'-0"

KEYPLAN



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Dover HS / Career Technical Center
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Building Sections

SCALE: 3/32" = 1'-0"
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A4.2B

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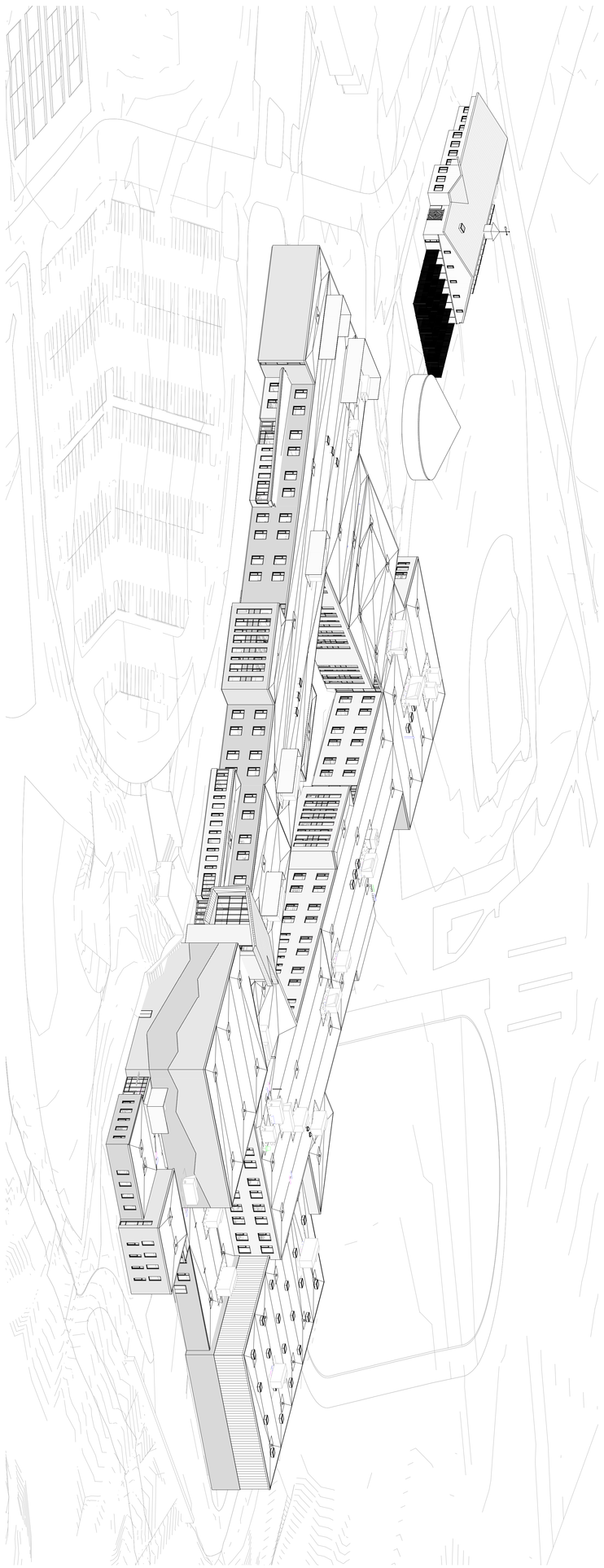

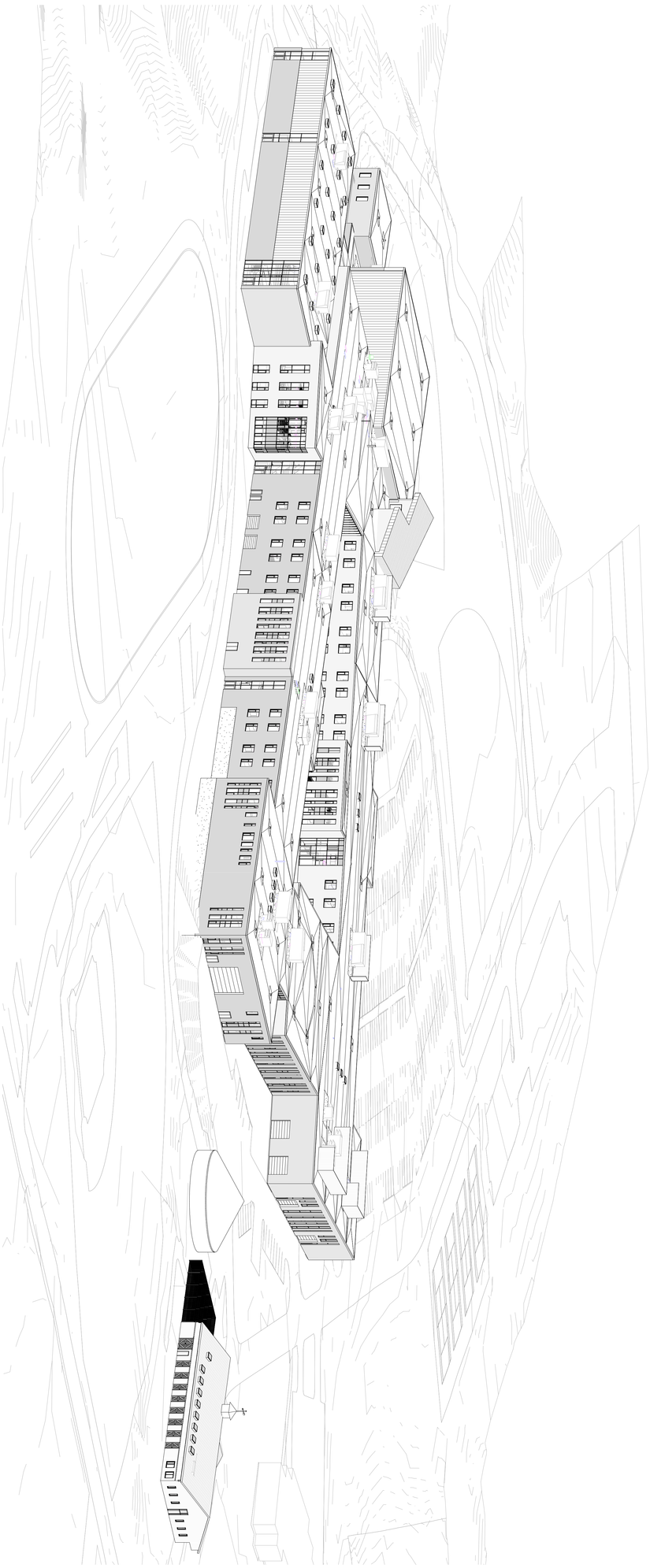

A4.3

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH

Axon Views

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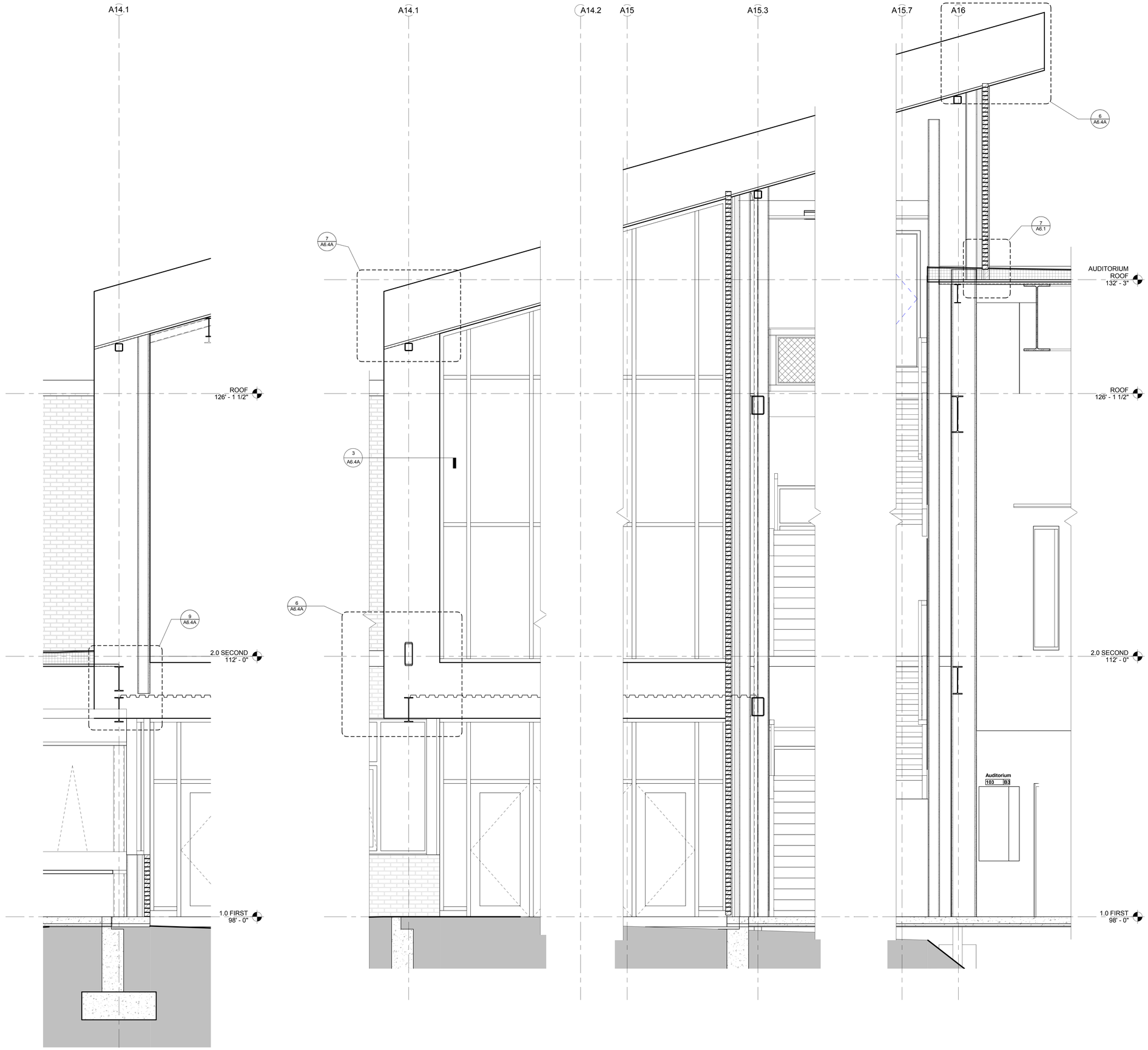

SECTION @ ENTRY CANOPY THRU ADMIN ROOF (2)
1/2" = 1'-0"

SECTION @ ENTRY CANOPY (1)
1/2" = 1'-0"

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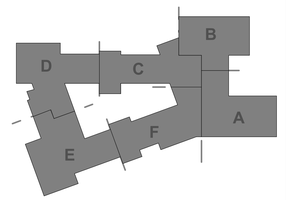
KEYPLAN



Dover HS / Career Technical Center
Dover, NH
Wall Sections

SCALE: 1/2" = 1'-0" DRAWN BY: JL CHECKED BY: Checker

DRAWING NUMBER
A5.1A

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AC

AB

AA.5

AA.3

PRE-PATINATED
COPPER
FOLDED SEAM ROOF

1
A6.4A

AUDITORIUM
ROOF
132' - 3"

PRE-PATINATED COPPER
FOLDED SEAM CLADDING

ROOF
126' - 1 1/2"

PRE-PATINATED COPPER
FOLDED SEAM CLADDING

ROOF DRAIN

PRE-PATINATED COPPER
FOLDED SEAM ROOF

3
A6.4A

2
A6.4A

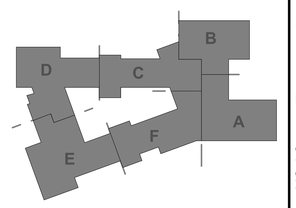
8
A6.4A

2.0 SECOND
112' - 0"

1.0 FIRST
98' - 0"

Section @ Entry
1/2" = 1'-0"
1

KEYPLAN



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Dover HS / Career Technical Center
Dover, NH
Wall Sections

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DRAWING NUMBER
A5.1B

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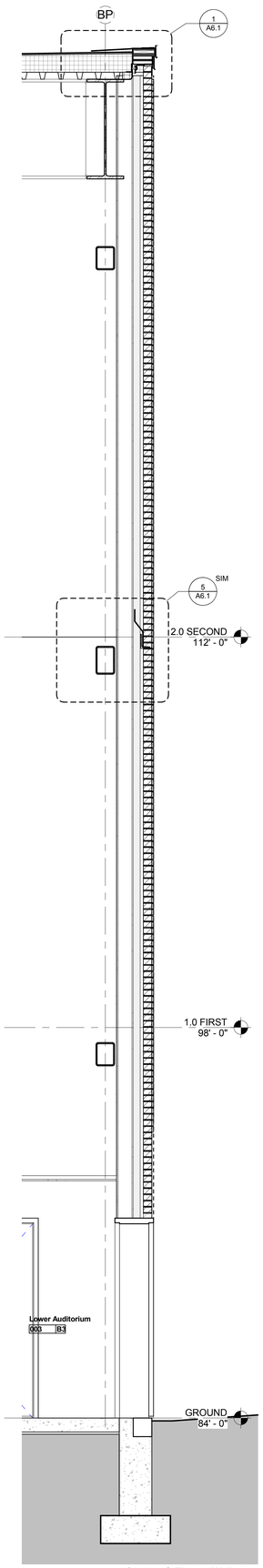
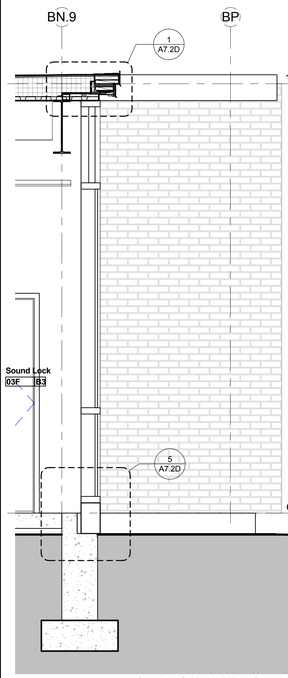
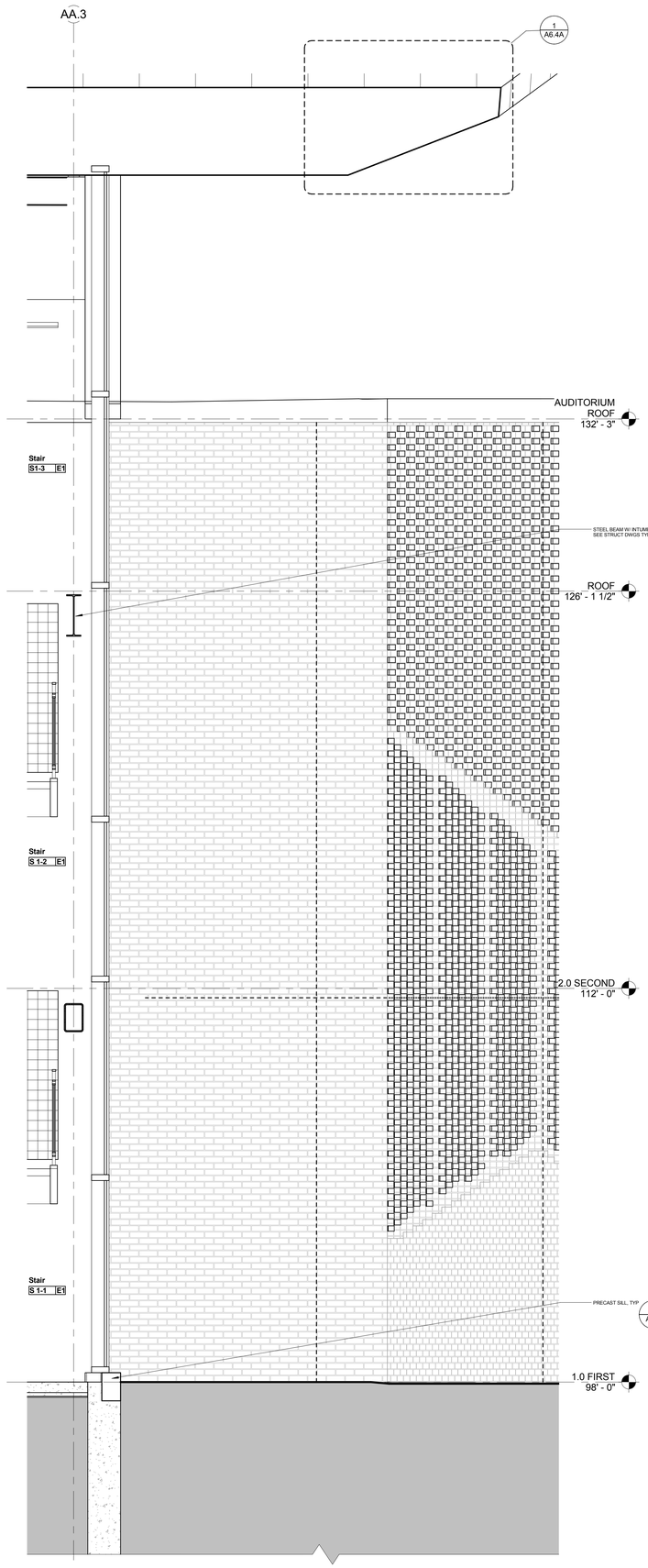


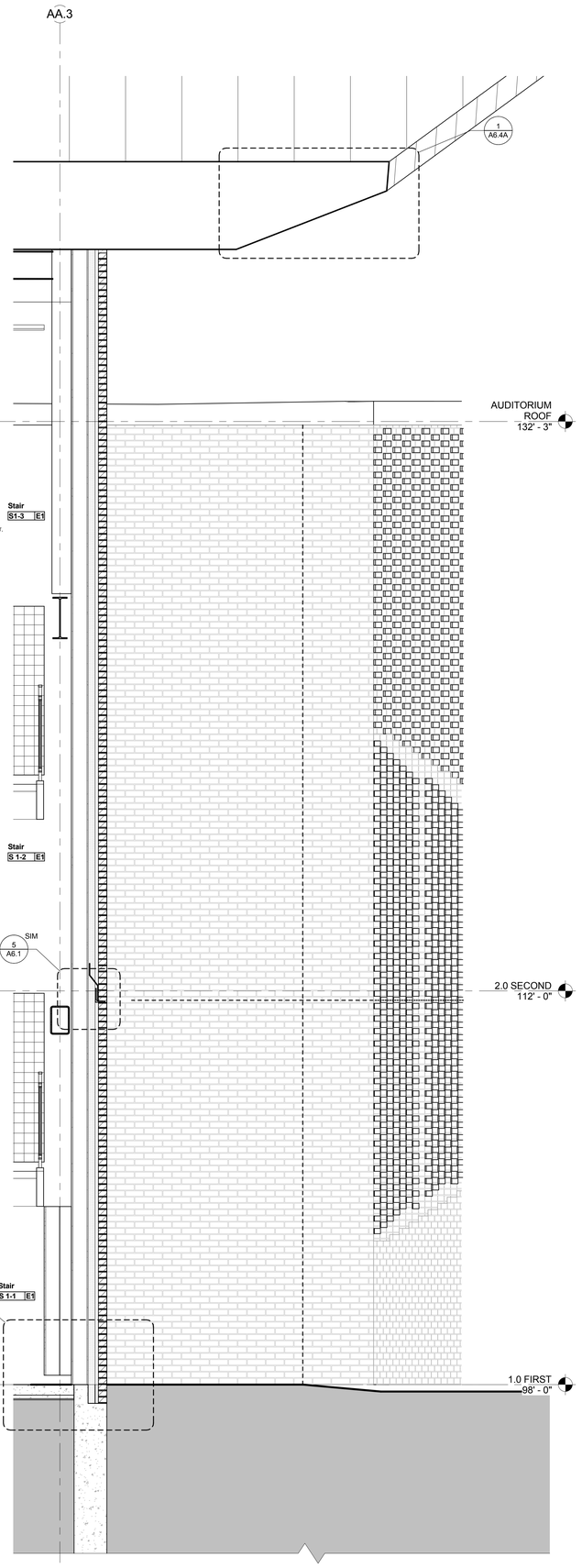
Section @ Theater Wall (3)
1/2" = 1'-0"



Section @ Music Wing Curtain Wall (4)
1/2" = 1'-0"

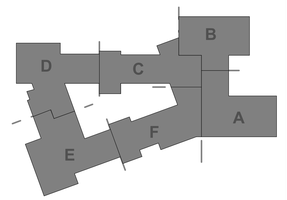


Section @ Entry Stair - Curtain Wall (2)
1/2" = 1'-0"



Section @ Entry Stair - Masonry (1)
1/2" = 1'-0"

KEYPLAN



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Dover HS / Career Technical Center
Dover, NH
Wall Sections

SCALE: 1/2" = 1'-0" DRAWN BY: JL CHECKED BY: Checker

DRAWING NUMBER
A5.2

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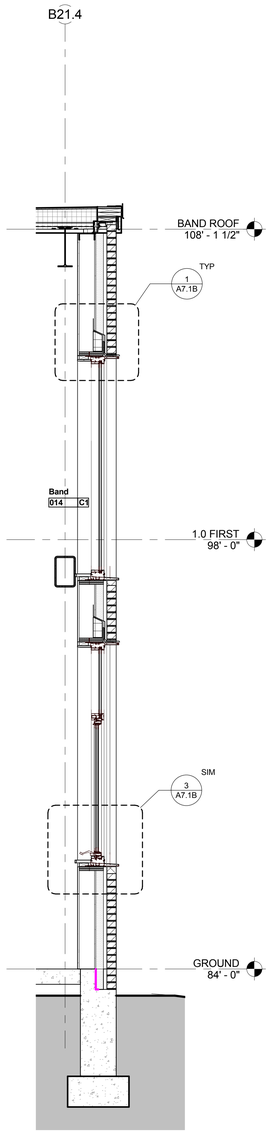
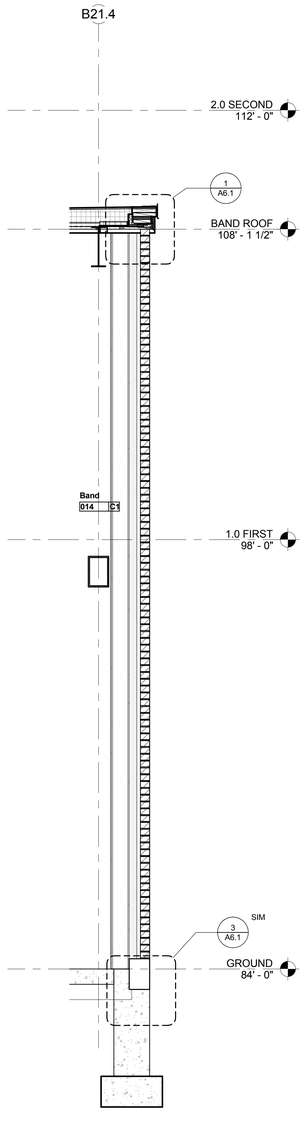
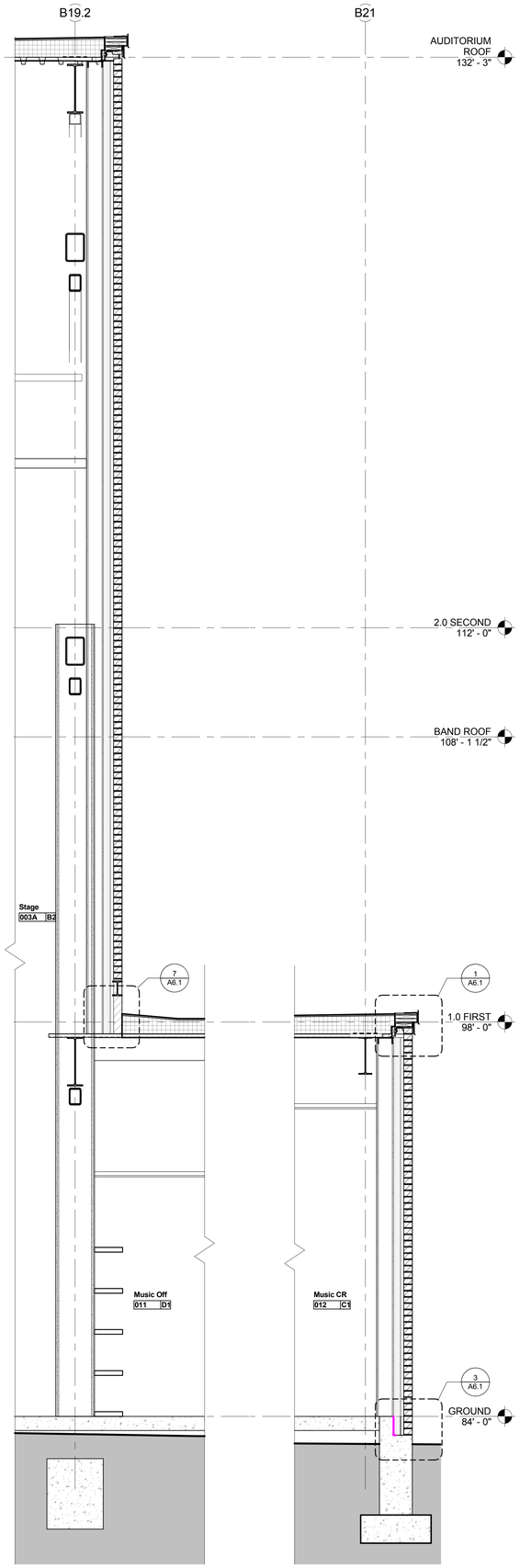


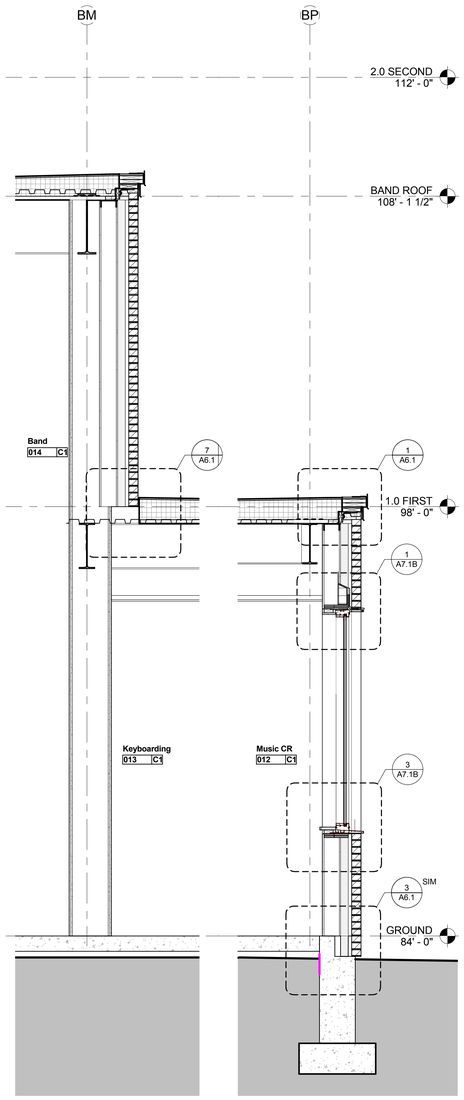
Section @ Windows 4
1/2" = 1'-0"



Section @ Wall 3
1/2" = 1'-0"

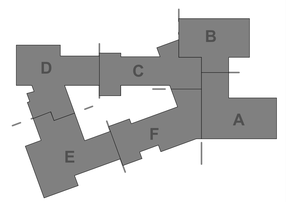


Section @ Music Wing at masonry 2
1/2" = 1'-0"



Section @ Music Wing at Window 1
1/2" = 1'-0"

KEYPLAN



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Dover HS / Career Technical Center
Dover, NH
Wall Sections

SCALE: 1/2" = 1'-0" DRAWN BY: JL CHECKED BY: Checker

DRAWING NUMBER
A5.3

JOB NUMBER 403114

3/4/2016 4:41:13 PM C:\Users\wsteigl\Documents\Dover HS_CENTRAL_wsteigl.rvt

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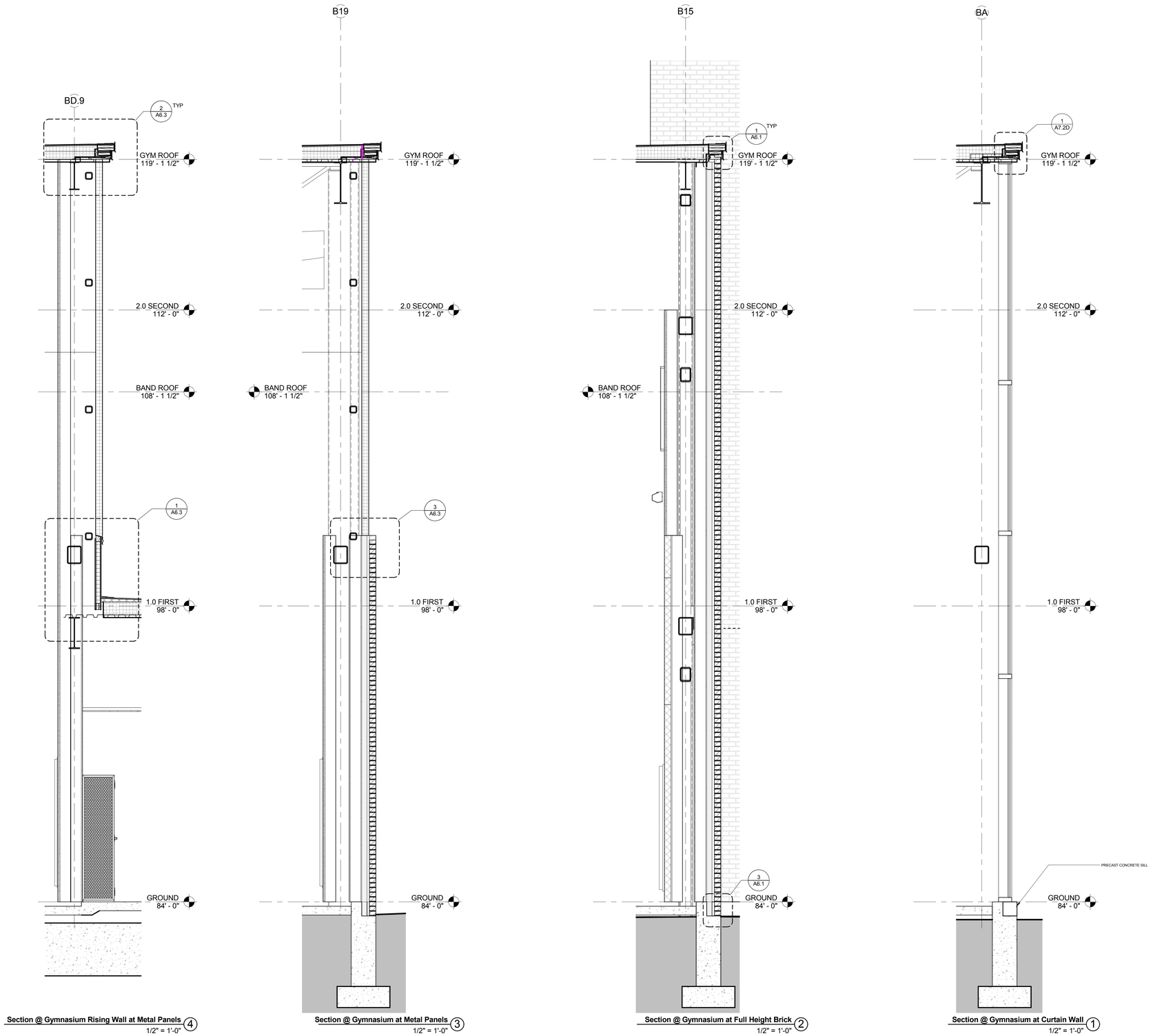

Section @ Gymnasium Rising Wall at Metal Panels 4
1/2" = 1'-0"

Section @ Gymnasium at Metal Panels 3
1/2" = 1'-0"

Section @ Gymnasium at Full Height Brick 2
1/2" = 1'-0"

Section @ Gymnasium at Curtain Wall 1
1/2" = 1'-0"

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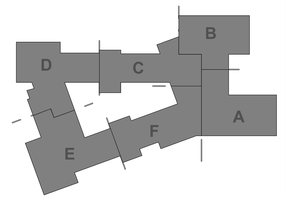
KEYPLAN



Dover HS / Career Technical Center
Dover, NH
Wall Sections

SCALE: 1/2" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A5.4

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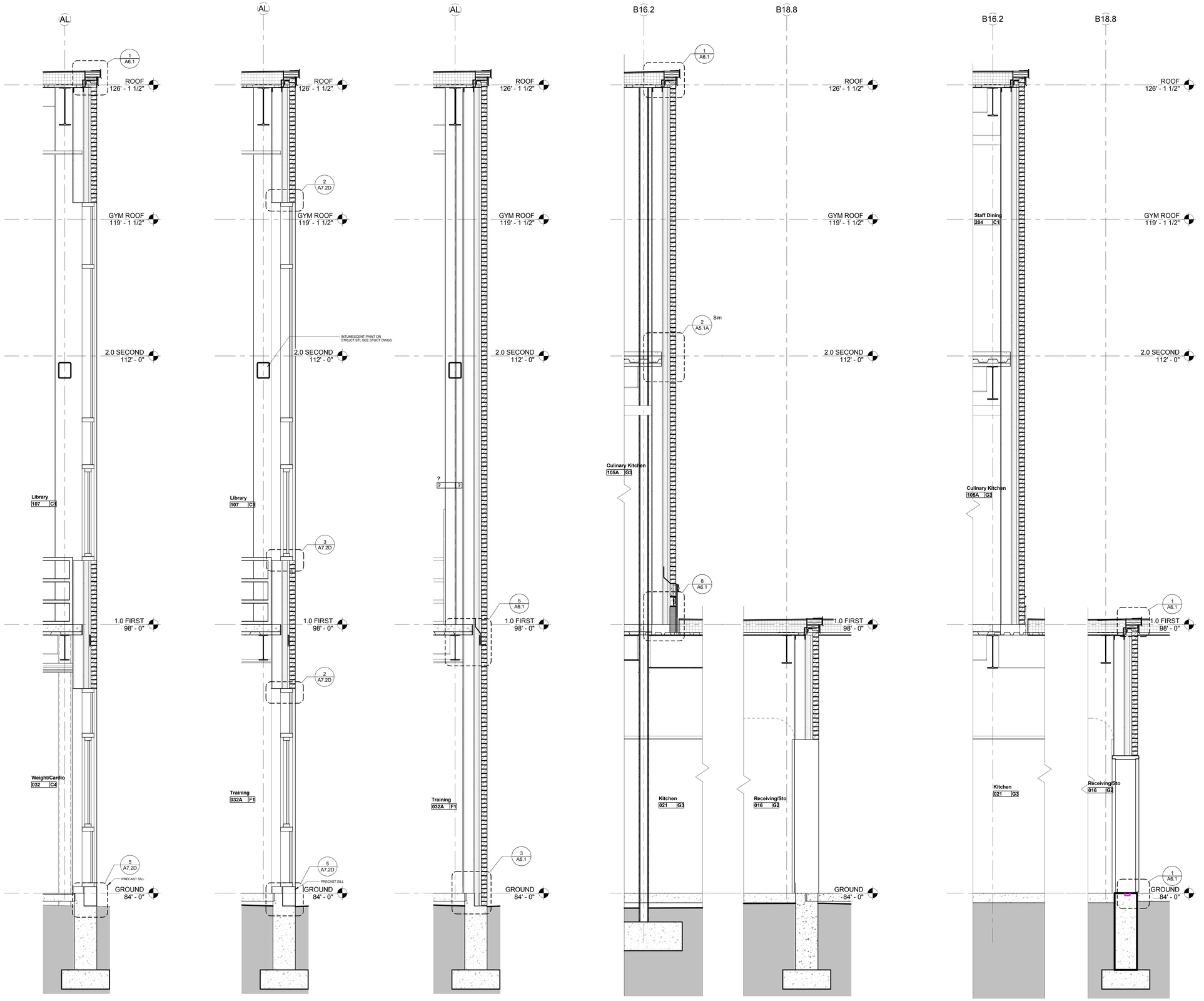

Section @ Library at Curtain Wall (5)
1/2" = 1'-0"

Section @ Library at Masonry (4)
1/2" = 1'-0"

Section @ Library w/ Window (3)
1/2" = 1'-0"

Section @ Receiving Door & Classrooms at Windows (2)
1/2" = 1'-0"

Section @ Receiving Roof & Classrooms at Masonry (1)
1/2" = 1'-0"

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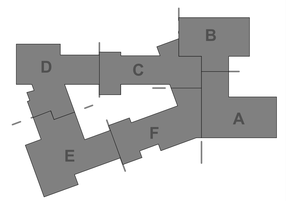

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Wall Sections

SCALE: 1/2" = 1'-0" DRAWN BY: JL CHECKED BY: Checker

DRAWING NUMBER
A5.5

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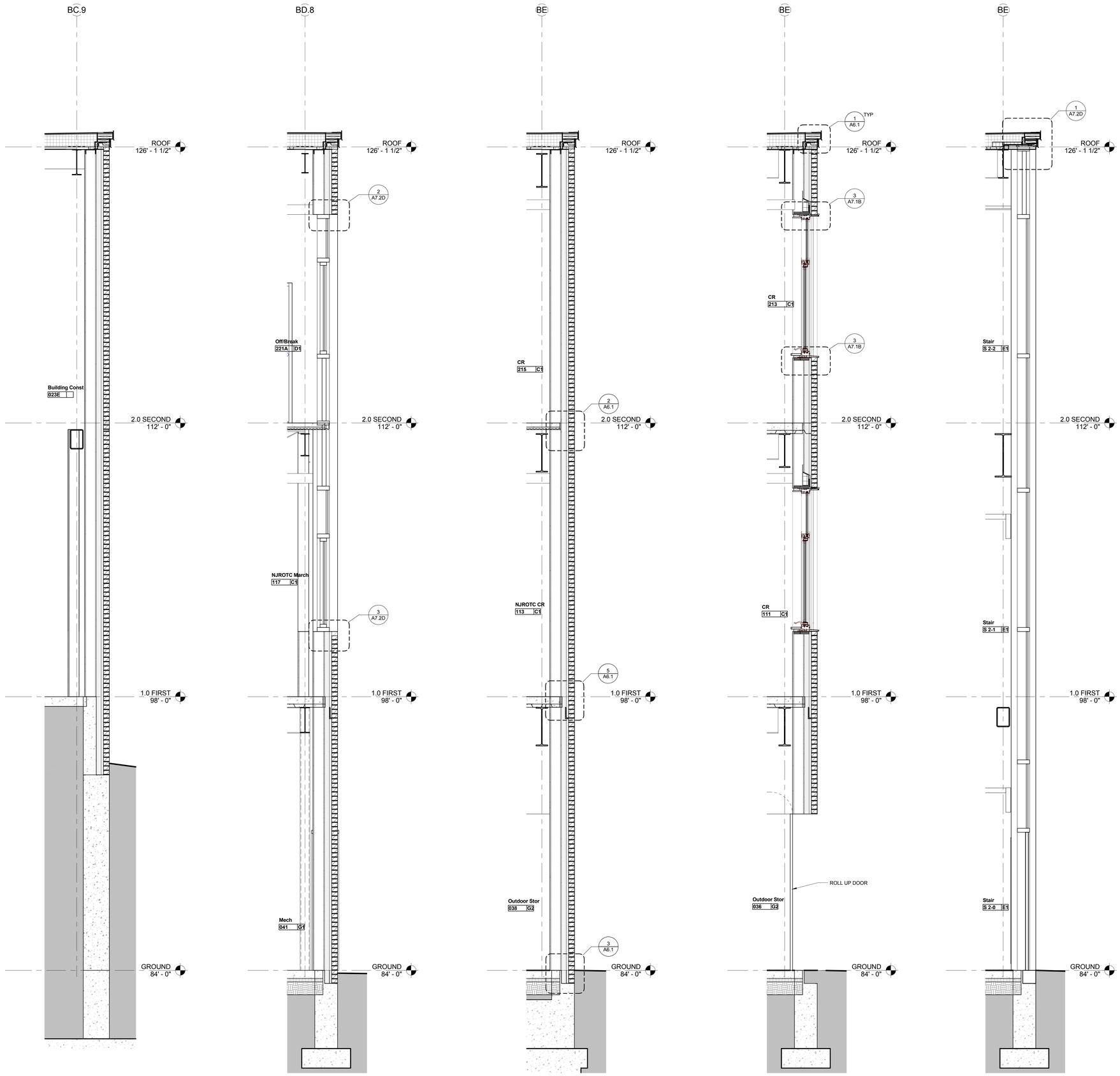

5 Section @ Building Construction
Scale: 1/2" = 1'-0"

4 Section @ Three Story Wall w/ Curtain Wall
Scale: 1/2" = 1'-0"

3 Section @ Three Story Masonry Wall
Scale: 1/2" = 1'-0"

2 Section @ Three Story Masonry Wall w/ Windows
Scale: 1/2" = 1'-0"

1 Section @ Stair 2 Curtain Wall
Scale: 1/2" = 1'-0"

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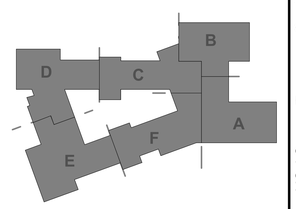

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Dover, NH
Wall Sections

SCALE: 1/2" = 1'-0" DRAWN BY: JL CHECKED BY: Checker

DRAWING NUMBER
A5.6

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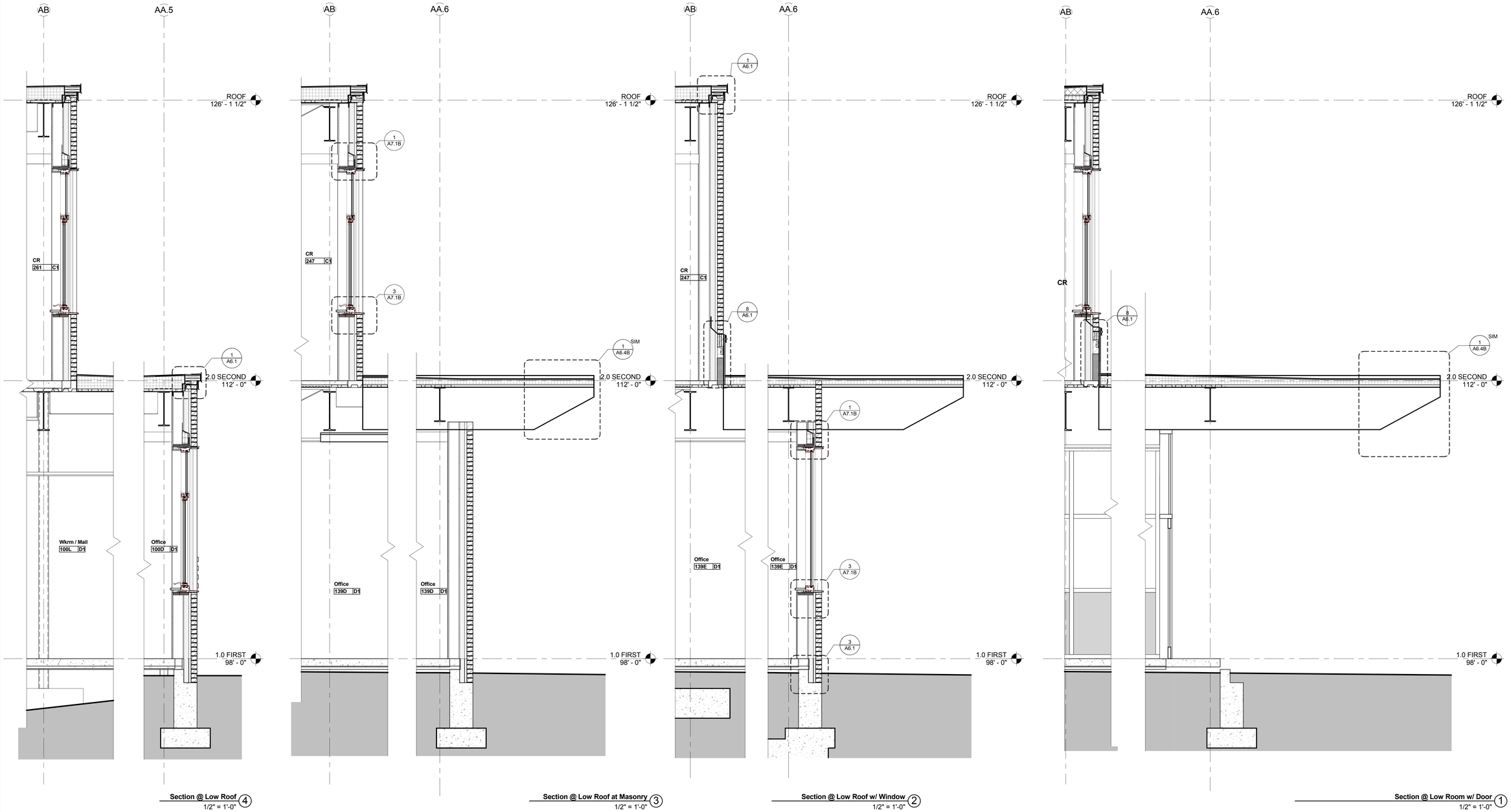

Section @ Low Roof 4
1/2" = 1'-0"

Section @ Low Roof at Masonry 3
1/2" = 1'-0"

Section @ Low Roof w/ Window 2
1/2" = 1'-0"

Section @ Low Room w/ Door 1
1/2" = 1'-0"

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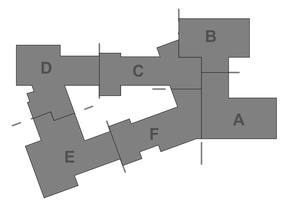

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Wall Sections

SCALE: 1/2" = 1'-0" DRAWN BY: JL CHECKED BY: Checker

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A5.7

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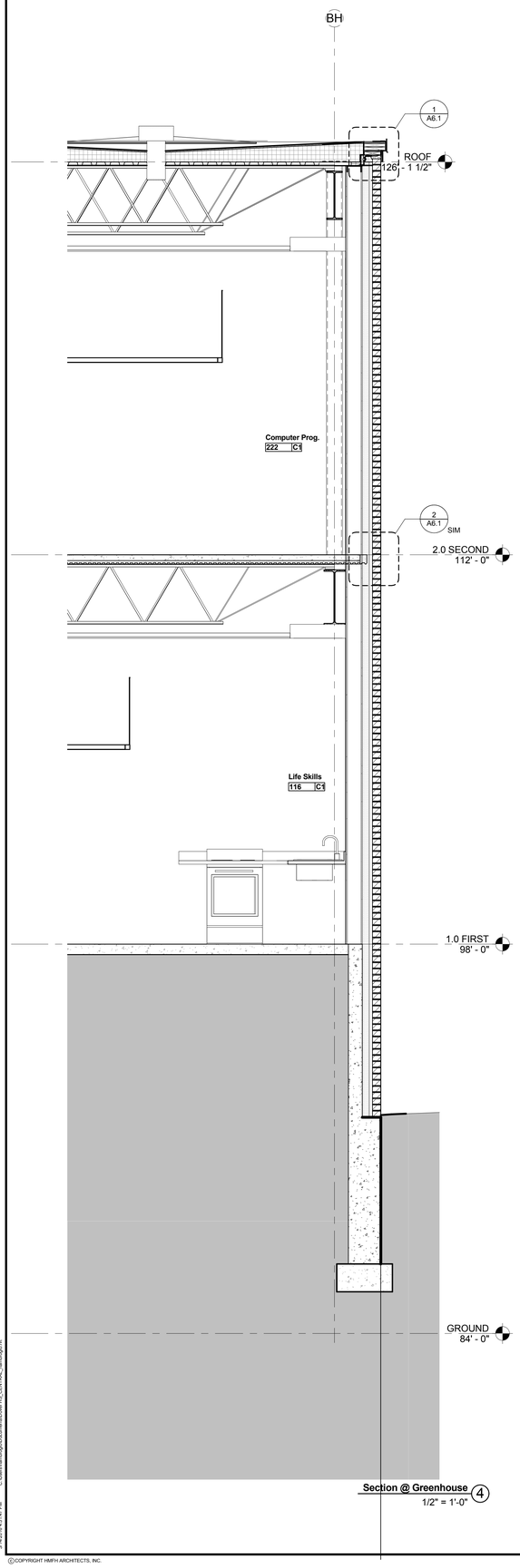
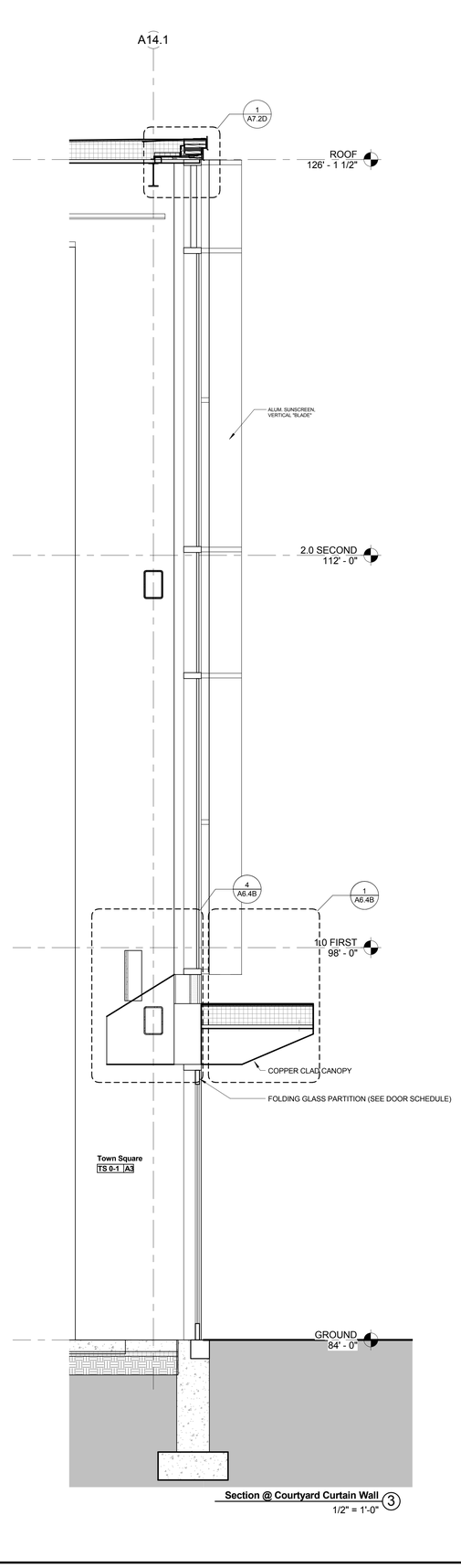
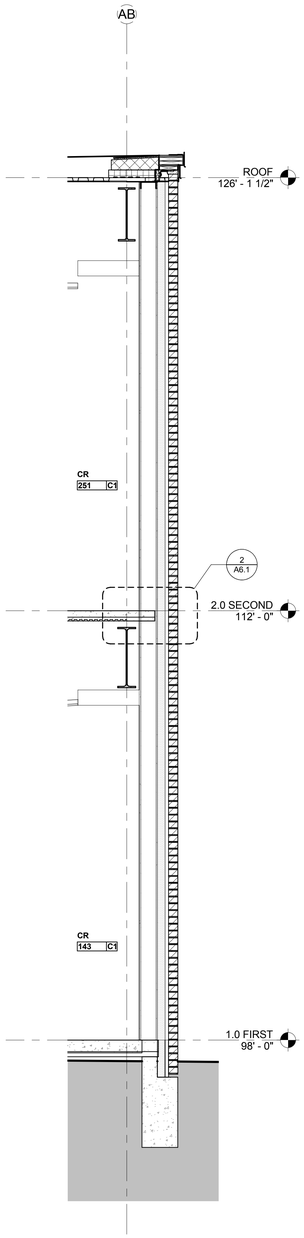


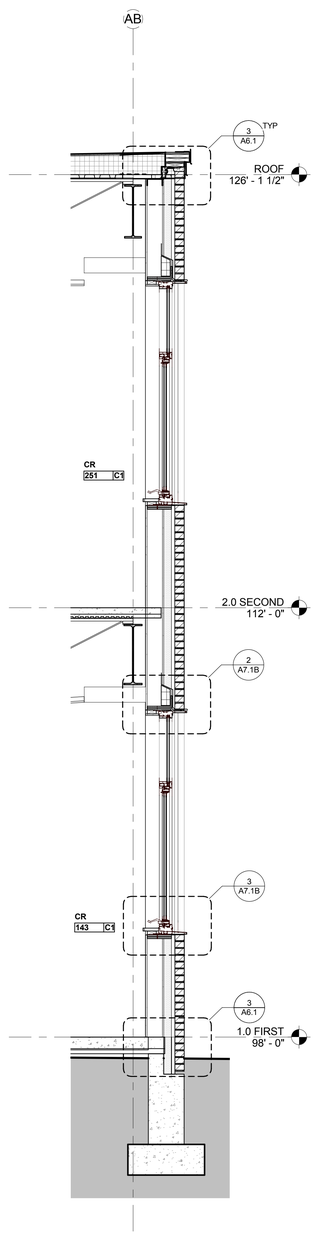
Section @ Greenhouse 4
1/2" = 1'-0"



Section @ Courtyard Curtain Wall 3
1/2" = 1'-0"



Section @ Typical Classroom Wall at Masonry 2
1/2" = 1'-0"



Section @ Typical Classroom Walls at Windows 1
1/2" = 1'-0"

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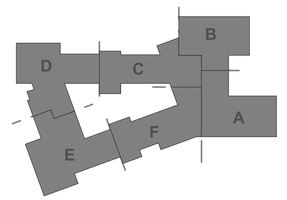

Dover HS / Career Technical Center
Dover, NH
Wall Sections

SCALE 1/2" = 1'-0" DRAWN BY JL CHECKED BY Checker

DRAWING NUMBER
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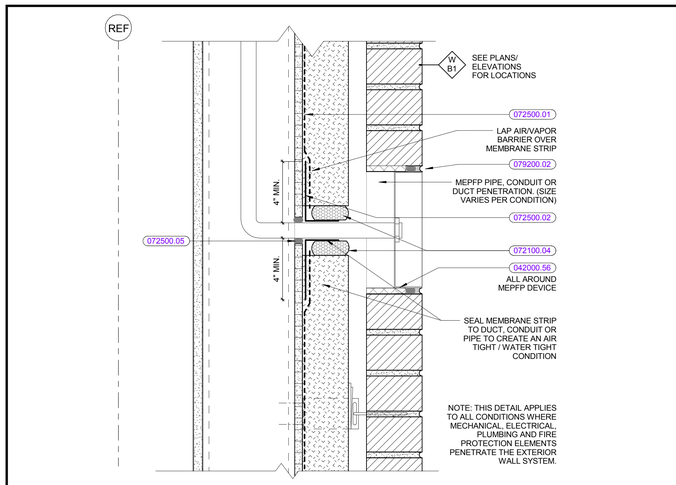
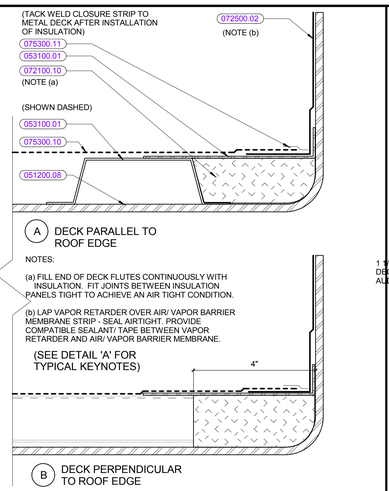
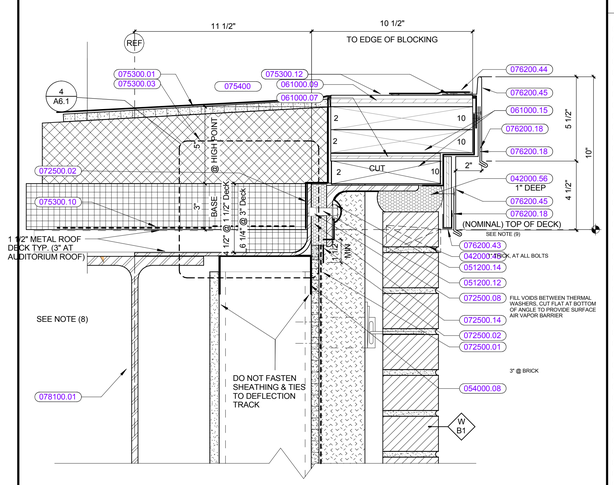


TYPICAL SECTION DETAIL @ MEP/FP PENETRATION 7

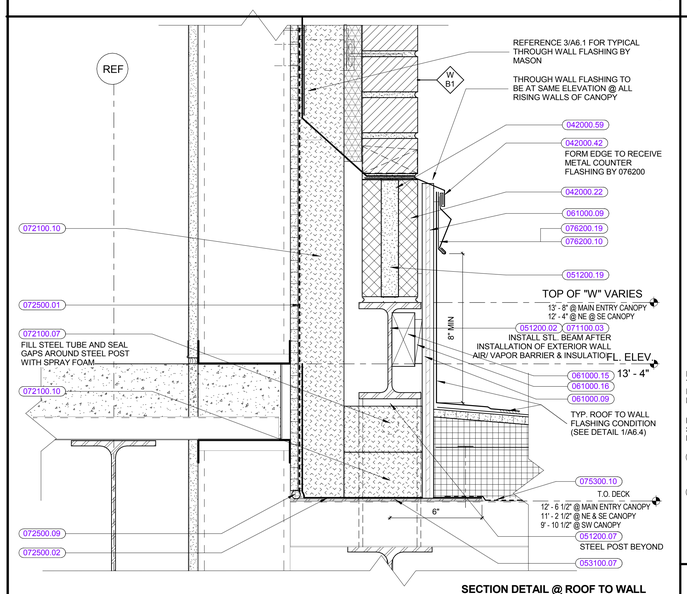


TYPICAL DETAIL @ ROOF EDGE BENT PLATE TO DECK TRANSITION @ ROOF WITH THERMAL BARRIER BOARD 4

6" = 1'-0"

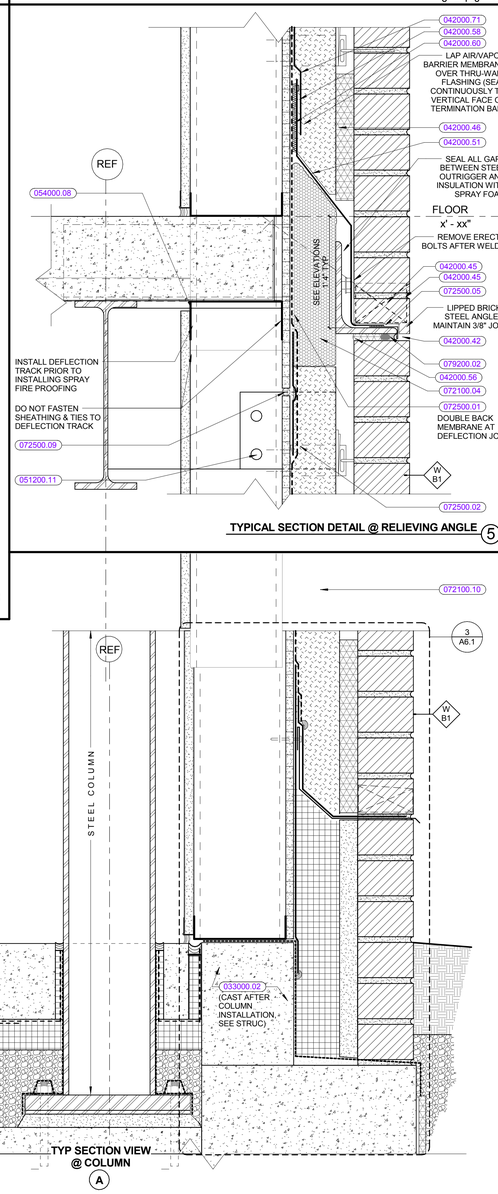


SECTION DETAIL @ ROOF EDGE OF BRICK WALL 1

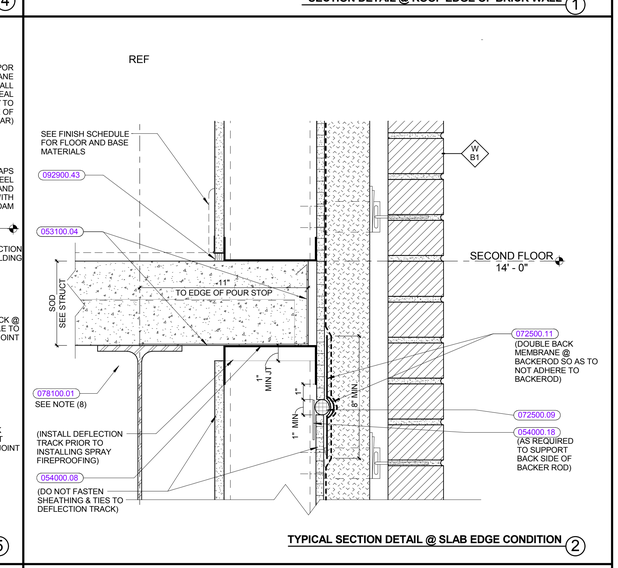


SECTION DETAIL @ ROOF TO WALL CONDITION @ MASONRY VENEER 8

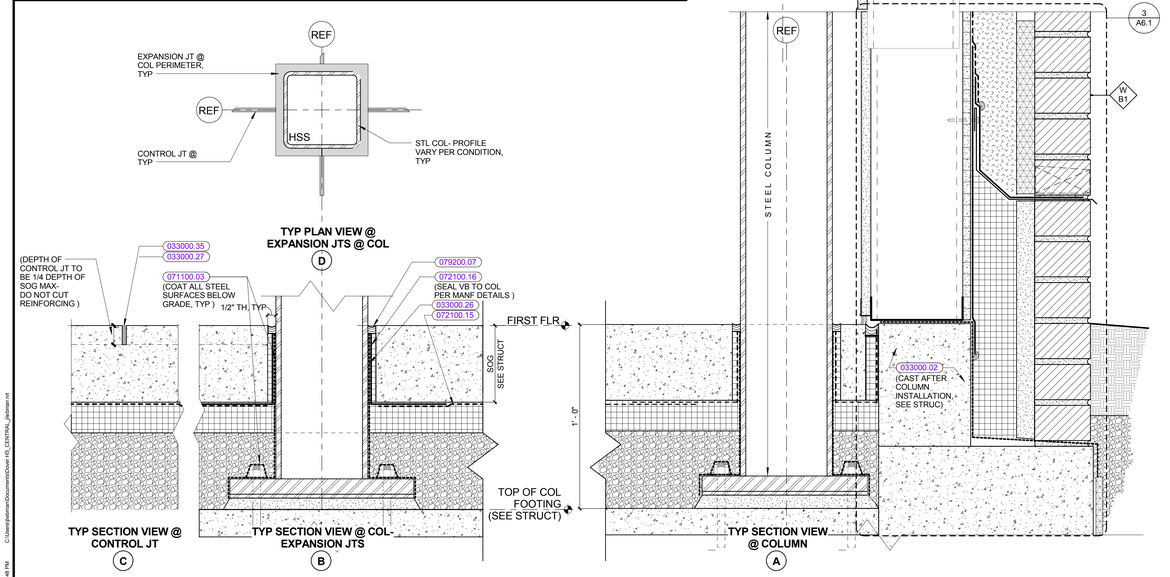
3" = 1'-0"



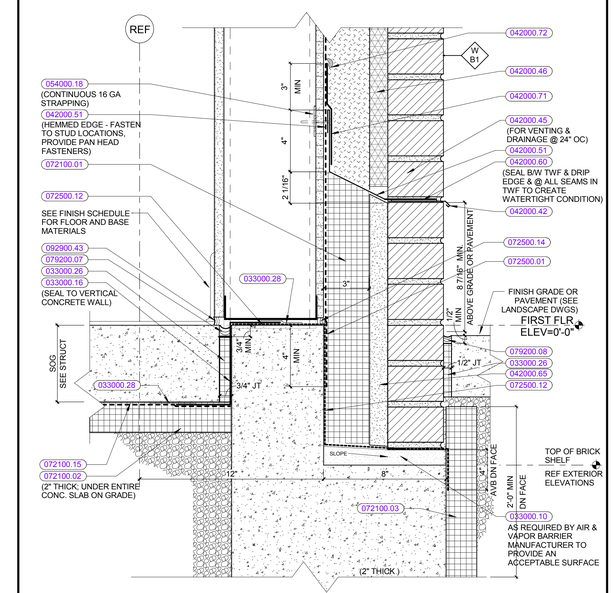
TYPICAL SECTION DETAIL @ RELIEVING ANGLE 5



TYPICAL SECTION DETAIL @ SLAB EDGE CONDITION 2



TYPICAL SECTION DETAIL @ COLUMN SLAB-ON-GRADE PENETRATIONS 6



TYPICAL SECTION DETAIL @ FOUNDATION CONDITION 3

KEYNOTE LIST

033000.02	CONCRETE FOUNDATION WALL
033000.10	CONCRETE FILL
033000.16	NOT USED
033000.26	EXPANSION JOINT-COMPRESSIBLE FILLER & SNAP CAP
033000.27	FLEXIBLE EPOXY JOINT SEALANT
033000.28	NOT USED
033000.35	SAWCUT CONTROL JOINT(S)
042000.04	FACE BRICK, SEE ELEVATIONS FOR COLOR/PATTERN
042000.13	SOLID MASONRY UNIT
042000.22	4" X 8" X 16" CMU
042000.42	SHEET METAL DRIP EDGE
042000.45	WEEP/VENT
042000.46	CAVITY DRAINAGE MATERIAL
042000.47	MASONRY TIE AND ANCHOR
042000.51	THROUGH-WALLSHEET METAL FLASHING
042000.56	COMPRESSIBLE FILLER
042000.58	TERMINATION BAR
042000.59	GROUT SOLID
042000.60	SEALANT
042000.65	NON-SHRINK GROUT
042000.70	INSULATION RETAINER
042000.71	
042000.72	
051200.02	STEEL BEAM
051200.07	STEEL PLATE
051200.08	STEEL BENT PLATE
051200.11	STEEL WT
051200.12	THERMAL ISOLATION BREAK WASHER/ PLATE
051200.14	THREADED ROD STUDS WITH NUT WASHER
051200.19	STEEL REBAR
053100.01	METAL DECK
053100.04	POUR STOP ANGLE
053100.07	METAL END CLOSURE PLATE
054000.04	6" STRUCTURAL METAL STUDS
054000.08	DEFLECTION TRACK
054000.18	LGMF STRAPPING AS REQUIRED
061000.07	1/2" PLYWOOD
061000.09	3/4" PLYWOOD
061000.15	CONTINUOUS WOOD BLOCKING, SIZE AS REQUIRED
061000.16	WOOD BLOCKING, SIZE AS REQUIRED
061600.01	1/2" GYPSUM SHEATHING BOARD
071100.03	MASTIC COATING OF STEEL
072100.01	RIGID THERMAL INSULATION
072100.02	UNDERSLAB RIGID THERMAL INSULATION
072100.03	FOUNDATION PERIMETER RIGID INSULATION
072100.04	SPRAY FOAM INSULATION/SEALANT
072100.07	SPRAYED-IN THERMAL INSULATION
072100.10	MINERAL WOOL INSULATION
072100.15	UNDERSLAB VAPOR RETARDER
072100.16	UNDERSLAB VAPOR RETARDER STRIP
072500.01	AIR BARRIER FIELD MEMBRANE
072500.02	AIR BARRIER MEMBRANE STRIP
072500.05	SILICONE SEALANT
072500.08	SPRAY FOAM SEALANT
072500.09	BACKEROD
072500.11	COUNTER FLASHIING STRIP
072500.12	FLUID APPLIED AIR BARRIER
072500.14	
075300.01	MEMBRANE ROOFING
075300.03	TAPERED ROOF INSULATION
075300.10	VAPOR RETARDER
075300.11	WATER CUT-OFF MASTIC
075300.12	LAP SEALANT
075400	THERMOPLASTIC MEMBRANE ROOFING
076200.10	METAL COUNTERFLASHING
076200.18	CONTINUOUS METAL CLEAT
076200.19	2" WIDE METAL CLIPS @ 24" O.C.
076200.43	SHEET METAL CLOSURE
076200.44	SHEET METAL GRAVEL STOP & FASCIA
076200.45	SHEET METAL FASCIA W/ DRIP EDGE
078100.01	SPRAYED FIREPROOFING
079200.02	EXTERIOR SEALANT AND BACKEROD
079200.07	INTERIOR DECK SEALANT & BOND BREAKER TAPE
079200.08	ENTERIOR DECK SEALANT & BOND BREAKER TAPE
092900.32	5/8" FIRE-RESISTANT GYPSUM BOARD
092900.43	ACOUSTICAL SEALANT

GENERAL NOTES-EXTERIOR DETAILS

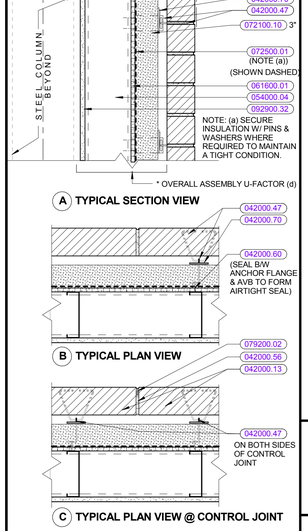
1) GENERAL NOTES, LEGEND & ABBREVIATIONS APPLY TO THE A6 SERIES DRAWINGS.
2) MEPFP ELEMENTS SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. REFER TO ASSOCIATED MEPFP DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
3) STRUCTURAL FRAME AND CONCRETE FOOTING CONFIGURATION SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. REFER TO ASSOCIATED STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.
4) REFER TO BUILDING ELEVATIONS FOR SPECIFIC MASONRY TYPES, PATTERNS, AND CONFIGURATIONS.
5) ALL WOOD BLOCKING AND PLYWOOD USED AND EXTERIOR WALL AND ROOF CONDITIONS SHALL BE PRESSURE TREATED.
6) ALL FLASHING AND AIR BARRIER MATERIALS SHALL BE LAPPED "SHINGLE STYLE" TO PROMOTE POSITIVE DRAINAGE, TYPICAL THROUGHOUT.
7) ALL PENETRATIONS THROUGH THE EXTERIOR WALL SYSTEM SHALL BE SEALED AIRTIGHT AND WATERTIGHT TYPICALTHROUGHOUT.
8) SEE CODE SHEE FOR EXTENT OF SPRAY FIRE PROOFING
9) ROOF DECK AT BENT PLATES: ADD 3/8" TO NOMINAL TOP OF DECK AS INDICATED AT ROOF EDGES (3/8" BENT PLATE THICKNESS) TYPICAL
10) ROOFER TO PROVIDE ALL BLOCKING ABOVE METAL DECK AND @ ROOF EDGE ATTACHED TO METAL ANGLE

ABBREVIATIONS-EXTERIOR DETAILS

(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

BS	=BRICK SHELF
LP	=LOW POINT
HP	=HIGH POINT
AO	=ACTUAL OPENING IN MASONRY
RO	=ROUGH OPENING IN STUD FRAMED WALL
TOD	=TOP OF DECK
TOS	=TOP OF STEEL
AVB	=AIR/ VAPOR BARRIER
TWF	=THROUGH WALL FLASHING
SOG	=SLAB ON GRADE
SOD	=SLAB ON DECK

W B1 **EXTERIOR WALL TYPE A1: BRICK VENEER W/ STUD BACK-UP** SCALE: 1 1/2" = 1'-0"



A TYPICAL SECTION VIEW

B TYPICAL PLAN VIEW

C TYPICAL PLAN VIEW @ CONTROL JOINT

THERMAL RESISTANCE & PERM CHART:

MATERIAL	R-VALUE	PERMS
OUTSIDE AIR	0.17	NA
MASONRY VENEER	0.74	NA (c)
AIR SPACE	0.93 *	NA
MINERAL WOOL INSULATION	12.6 (b) *	1.1
AIR/ VAPOR BARRIER (a)	0.00 *	0.05
SHEATHING	0.56 *	23.00
METAL STUDS	0.79 *	NA
GYPSUM WALL BOARD	0.53 *	2.50
PAINT	0.00 *	2.38
INSIDE AIR	0.68 *	NA
TOTAL	R=16.09 / U=.062 (d) *	

a) THE AIR/VAPOR BARRIER MEMBRANE FUNCTIONS AS THE AIR BARRIER, VAPOR BARRIER AND THE DRAINAGE PLANE.
b) R13+7.5 C.I. OR ASSEMBLY U-FACTOR OF 0.064 MAX. IS REQ'D BY CODE
c) VENTILATED RAINSCREEN MATERIALS CAN HAVE ANY PERMEANCE.
d) OVERALL ASSEMBLY U-FACTOR - REF ASHRAE 90.1-2007-TABLE A3.3

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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Exterior Details - Wall Type WA1

SCALE: As indicated DRAWN BY: RW/AM CHECKED BY: AD

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER A6.1

JOB NUMBER 403114

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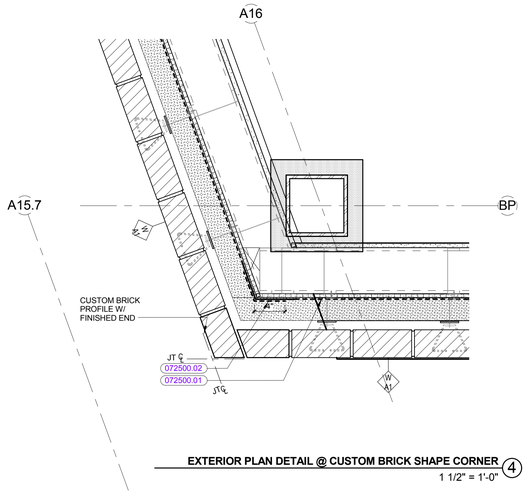
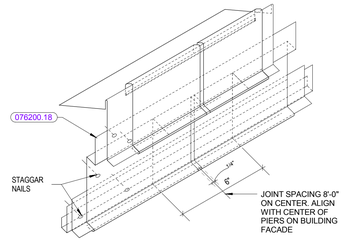
KEYNOTE LIST

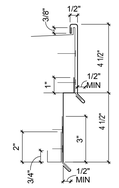
042000.13	SOLID MASONRY UNIT
042000.42	SHEET METAL DRIP EDGE
042000.45	WEEP/VENT
042000.51	THROUGH-WALLSHEET METAL FLASHING
042000.60	SEALANT
053100.07	METAL END CLOSURE PLATE
072500.01	AIR BARRIER FIELD MEMBRANE
072500.02	AIR BARRIER MEMBRANE STRIP
072500.09	BACKEROD
072500.11	COUNTER FLASHING STRIP
075400.10	VAPOR RETARDER- FULLY AHDERED
075400.13	CONTINUOUS VAPOR BARRIER TAPE OR SEALANT
076200.18	CONTINUOUS METAL CLEAT
079200.02	EXTERIOR SEALANT AND BACKEROD



EXTERIOR PLAN DETAIL @ CUSTOM BRICK SHAPE CORNER (4)
1 1/2" = 1'-0"

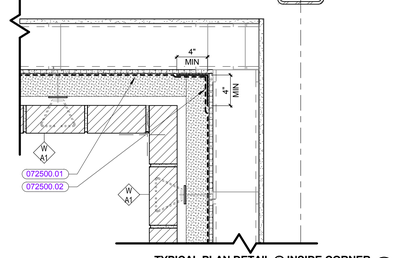


NAILING DIAGRAM AND SEAM CONDITION

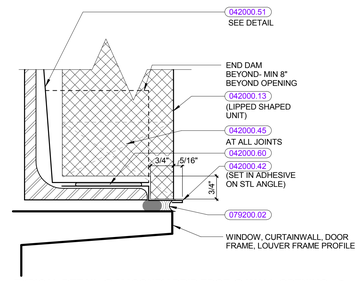


DIMENSIONAL INFORMATION

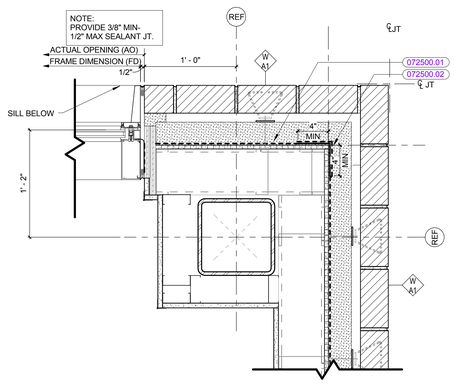
GRAVEL STOP AND FASCIA (1)
3" = 1'-0"



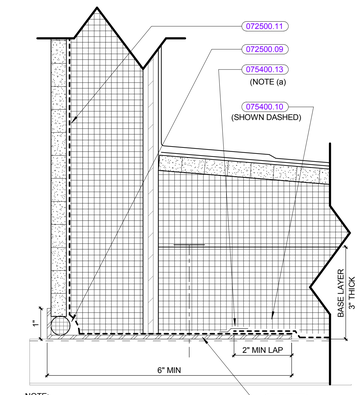
TYPICAL PLAN DETAIL @ INSIDE CORNER (5)
1 1/2" = 1'-0"



TYPICAL DETAIL @ MASONRY DRIP EDGE @ WALL OPENING (2)
6" = 1'-0"



6- WA1 - TYP SECT AT CORNER CURTAIN WALL (6)
1 1/2" = 1'-0"



NOTE:
(a) LAP VAPOR RETARDER OVER AIR/ VAPOR BARRIER MEMBRANE STRIP - SEAL AIRTIGHT. PROVIDE COMPATIBLE SEALANT/ TAPE BETWEEN VAPOR RETARDER AND AIR/ VAPOR BARRIER MEMBRANE.

TYPICAL DETAIL @ ROOF TO WALL CONNECTION (3)
6" = 1'-0"

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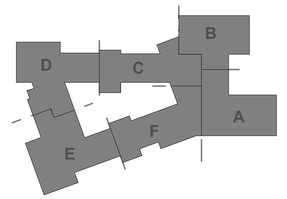

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25 Alumni Drive, Dover, NH
Exterior Details

SCALE: As Indicated
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REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
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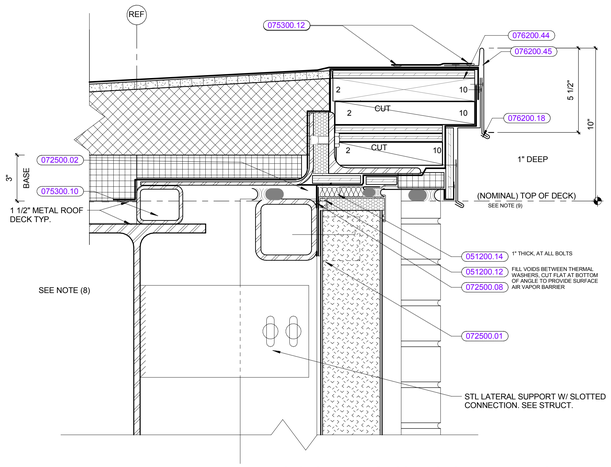
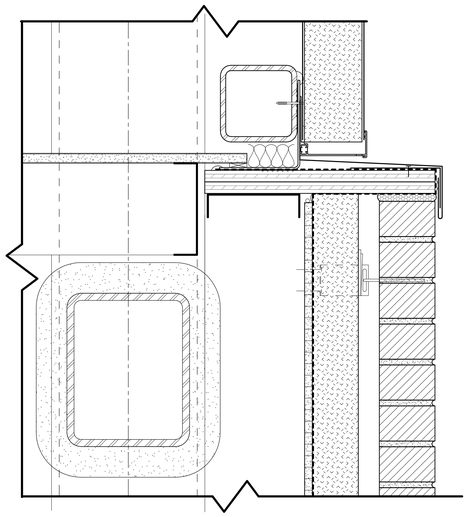
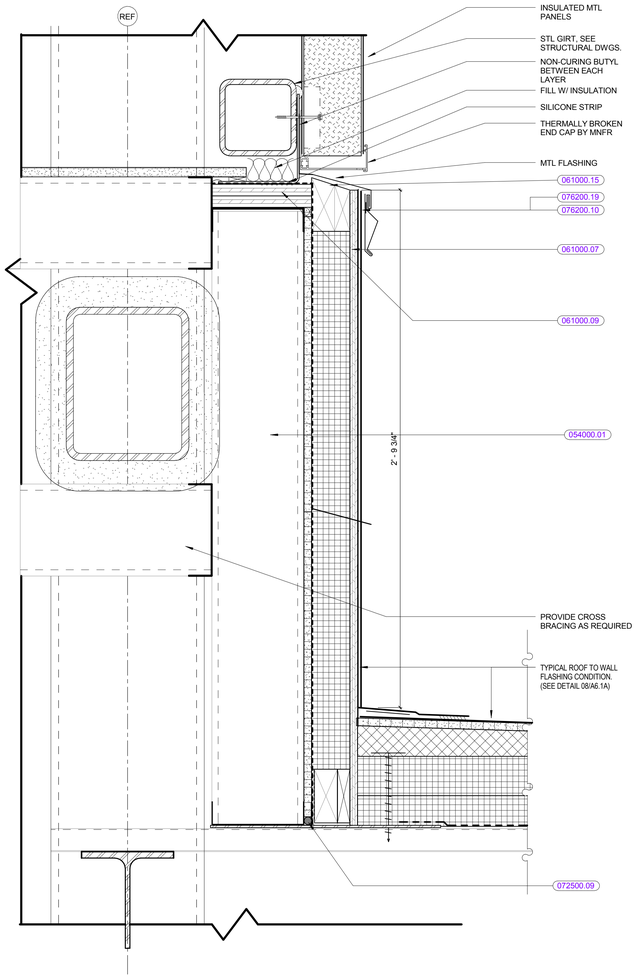


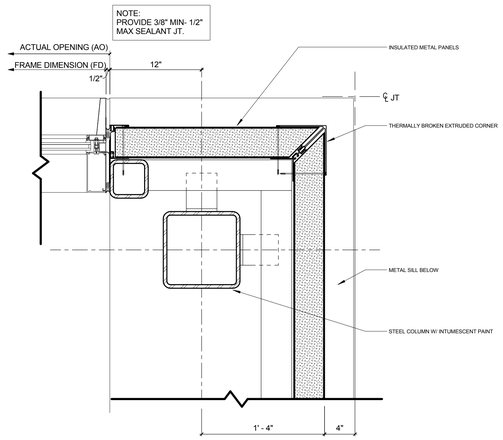
SECTION DETAIL @ ROOF EDGE OF METAL PANELS ③
3" = 1'-0"



WB1 - TYP SEC DET @ VERSA WALL - BRICK ④
3" = 1'-0"



SECTION DETAIL @ ROOF TO WALL CONDITION AT METAL PANEL ①
3" = 1'-0"



WB1 - TYP SECT DET @ VERSA WALL CORNER ②
1 1/2" = 1'-0"

EXTERIOR WALL TYPE B DETAIL GENERAL NOTES

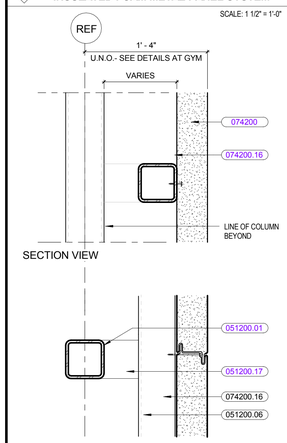
1. EXTERIOR DETAIL GENERAL NOTES APPLY TO SHEETS A 6.1 THROUGH A6.3
2. SEE BUILDING ELEVATIONS FOR SPECIFIC METAL TYPES, PATTERNS, AND CONFIGURATIONS
3. ALL WOOD BLOCKING AND PLYWOOD USED AT THE ROOF AND EXTERIOR WALL CONDITIONS SHALL BE PRESSURE TREATED.
4. ALL FLASHING AND VAPOR BARRIER MATERIALS SHALL BE BE LAPPED "SHINGLE STYLE" TO PROMOTE POSITIVE DRAINAGE. TYPICAL THROUGHOUT.
5. ALL PENETRATIONS THROUGH THE EXTERIOR WALL SYSTEM SHALL BE SEALED AIRTIGHT, TYPICAL THROUGHOUT.

KEYNOTE LIST

051200.01	STEEL COLUMN
051200.06	STEEL TUBE
051200.12	THERMAL ISOLATION BREAK WASHER/ PLATE
051200.14	THREADED ROD STUDS WITH NUT WASHER
051200.17	STEEL FRAMING, SEE STRUCTURAL DRAWINGS
054000.01	COLD-FORMED METAL FRAMING
061000.07	1/2" PLYWOOD
061000.09	3/4" PLYWOOD
061000.15	CONTINUOUS WOOD BLOCKING, SIZE AS REQUIRED
072500.01	AIR BARRIER FIELD MEMBRANE
072500.02	AIR BARRIER MEMBRANE STRIP
072500.08	SPRAY FOAM SEALANT
072500.09	BACKEROD
074200	METAL WALL PANELS
074200.16	CONTINUOUS METAL ANGLE, SHIM AS REQ'D FOR WALL PANEL INSTALLATION
075300.10	VAPOR RETARDER
075300.12	LAP SEALANT
076200.10	METAL COUNTERFLASHING (ZINC ALLOY)
076200.18	CONTINUOUS METAL CLEAT
076200.19	2" WIDE METAL CLIPS @ 24" O.C.
076200.44	SHEET METAL GRAVEL STOP & FASCIA
076200.45	SHEET METAL FASCIA W/ DRIP EDGE

W B4 **EXTERIOR WALL TYPE WB4: INSULATED FOAM METAL PANEL SYSTEM**

SCALE: 1 1/2" = 1'-0"



THERMAL RESISTANCE (R-VALUE) & PERMEANCE CHART:

MATERIAL	R-VALUE	PERM RATING
OUTSIDE AIR	0.17	NA
FOAMED PANEL	27 (c)	NA
INSIDE AIR	0.68	NA
TOTAL R-VALUE	31.05	NA

a). THE AIR/ VAPOR BARRIER MEMBRANE FUNCTIONS AS THE AIR BARRIER, VAPOR BARRIER AND THE DRAINAGE PLANE.

b). A VAPOR BARRIER HAVING A MAXIMUM PERMEABILITY OF (0.1) PERM IS REQUIRED BY CODE (REFERENCE 780 CMR13-1304.2 MOISTURE CONTROL)

c). R-7 MINIMUM CONTINUOUS INSULATION REQUIRED BY CODE. (REFERENCE 780 CMR13-TABLE 1304.2.6)

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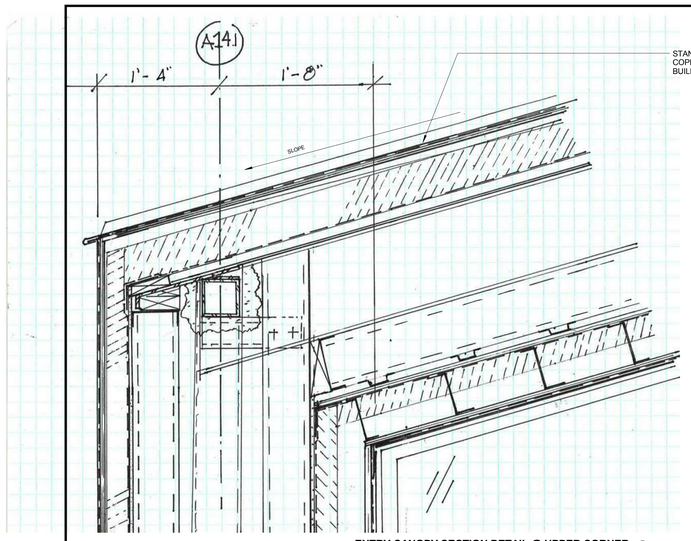
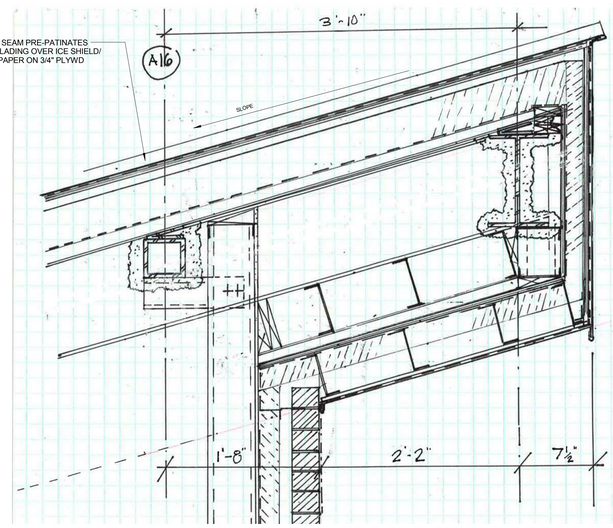
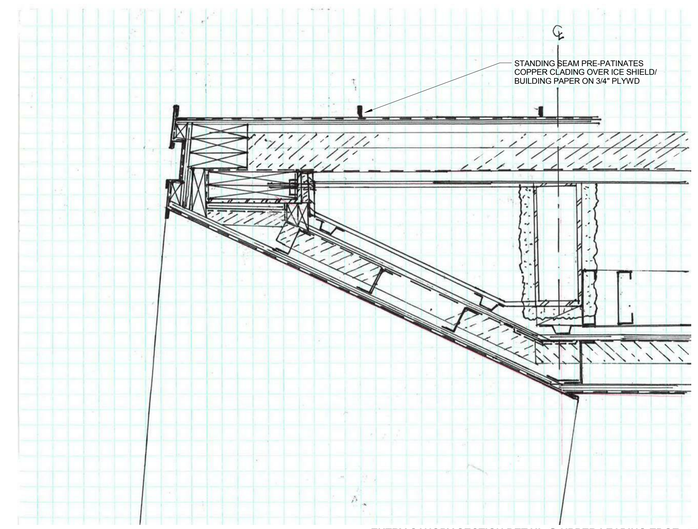
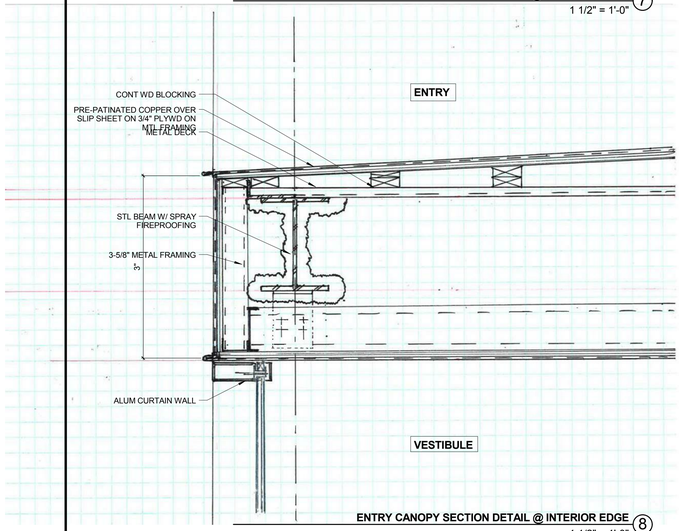




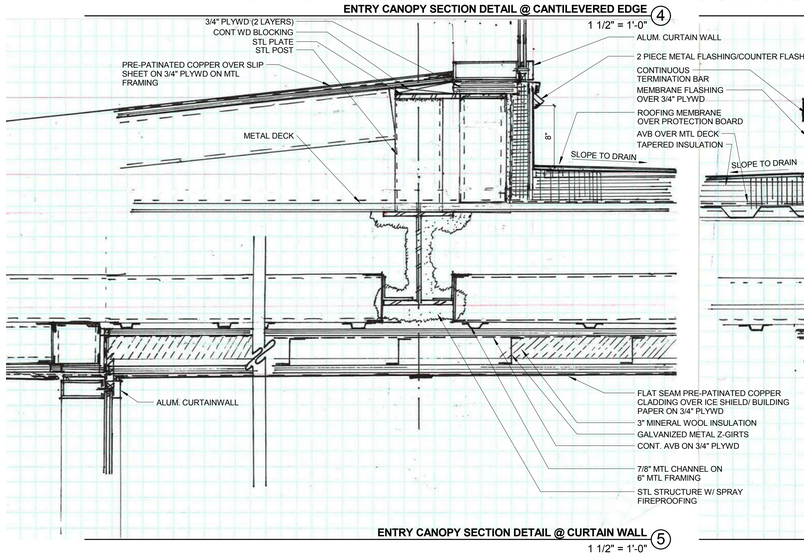


ENTRY CANOPY SECTION DETAIL @ UPPER CORNER 7
1 1/2" = 1'-0"



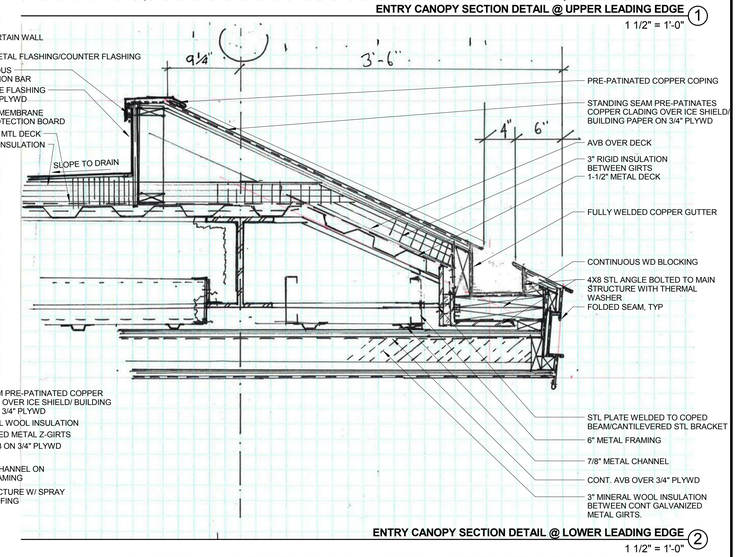
ENTRY CANOPY SECTION DETAIL @ INTERIOR EDGE 8
1 1/2" = 1'-0"

ENTRY CANOPY SECTION DETAIL @ CANTILEVERED EDGE 4
1 1/2" = 1'-0"

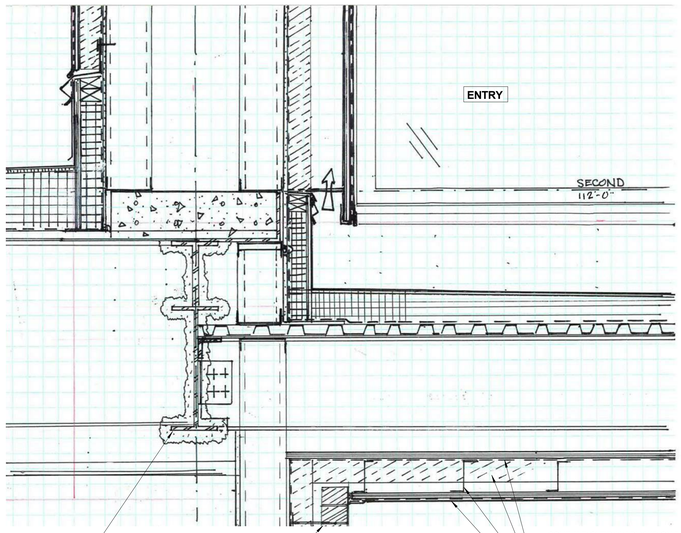


ENTRY CANOPY SECTION DETAIL @ CURTAIN WALL 5
1 1/2" = 1'-0"

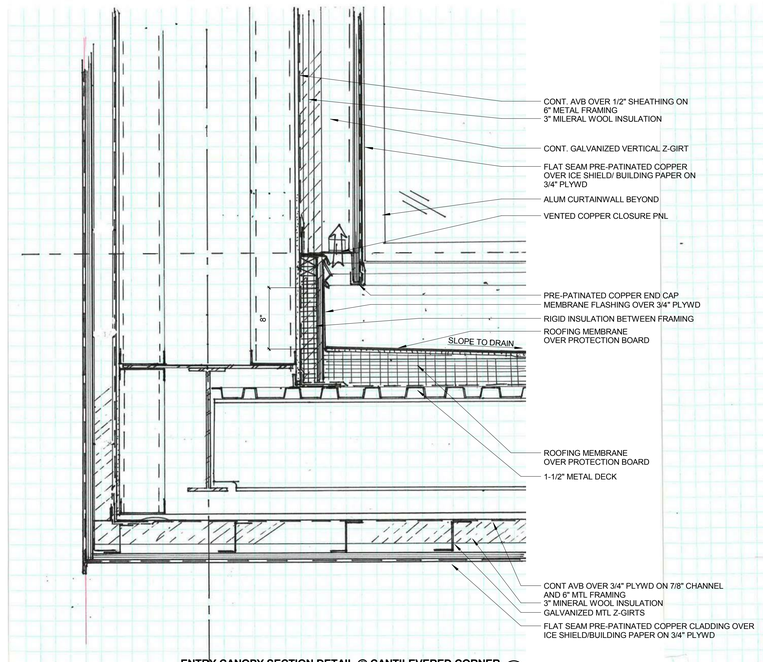
ENTRY CANOPY SECTION DETAIL @ UPPER LEADING EDGE 1
1 1/2" = 1'-0"



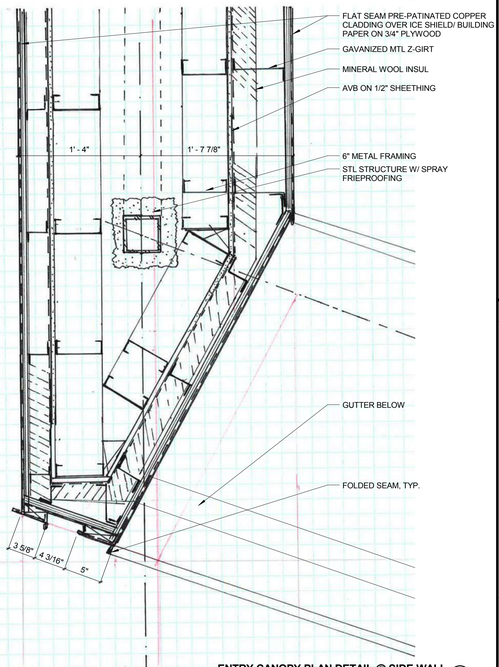
ENTRY CANOPY SECTION DETAIL @ LOWER LEADING EDGE 2
1 1/2" = 1'-0"



ENTRY CANOPY SECTION DETAIL @ ADMIN ROOF 9
1 1/2" = 1'-0"



ENTRY CANOPY SECTION DETAIL @ CANTILEVERED CORNER 6
1 1/2" = 1'-0"



ENTRY CANOPY PLAN DETAIL @ SIDE WALL 3
1 1/2" = 1'-0"

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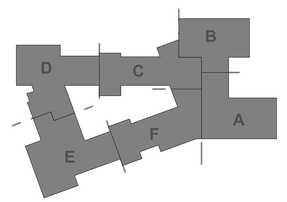

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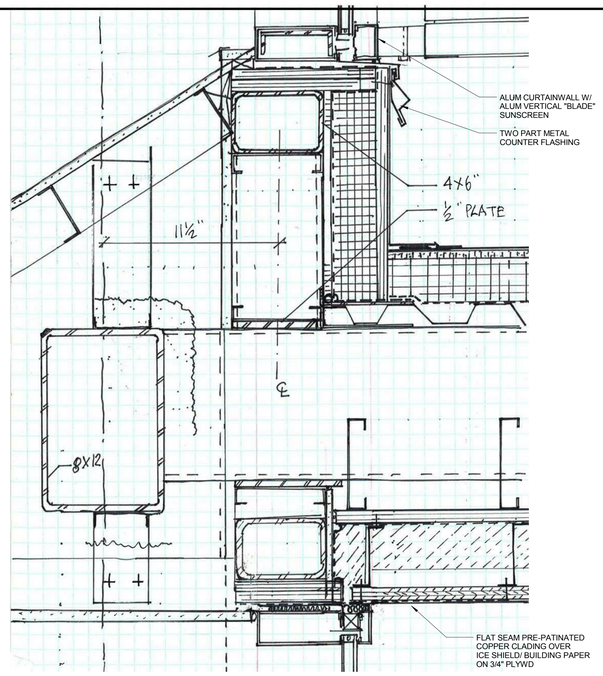
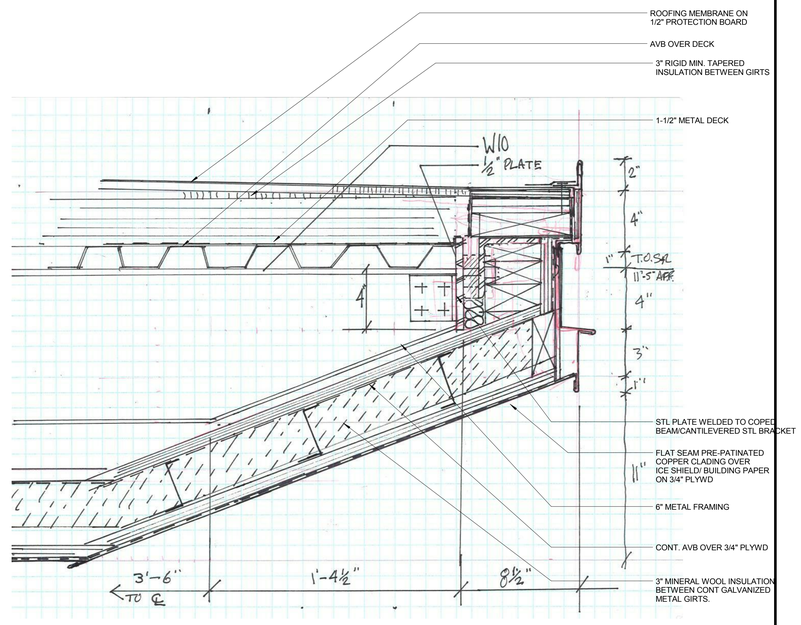
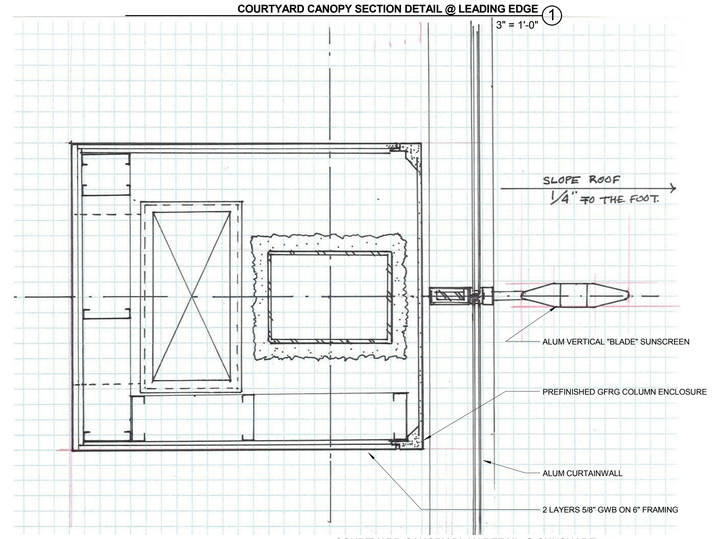


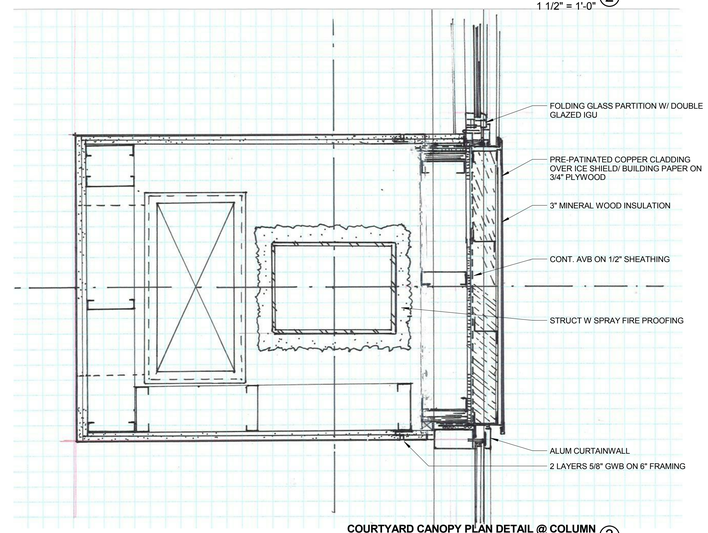
COURTYARD CANOPY SECTION DETAIL @ CURTAIN WALL (4)
3" = 1'-0"



COURTYARD CANOPY SECTION DETAIL @ LEADING EDGE (1)
3" = 1'-0"

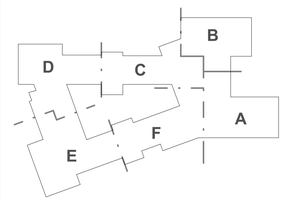


COURTYARD CANOPY PLAN DETAIL @ SUNSHADE (2)
1 1/2" = 1'-0"



COURTYARD CANOPY PLAN DETAIL @ COLUMN (3)
1 1/2" = 1'-0"

KEYPLAN



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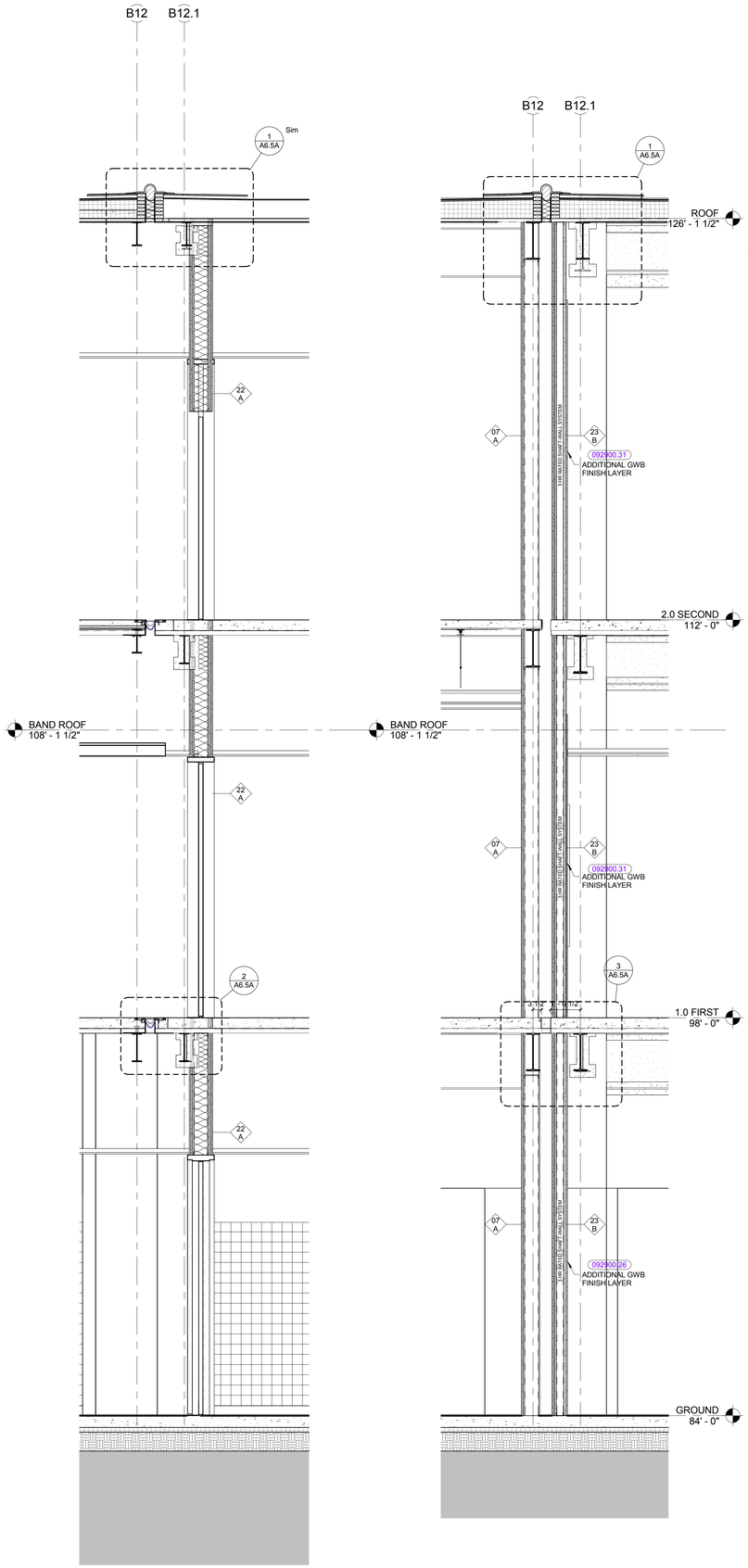
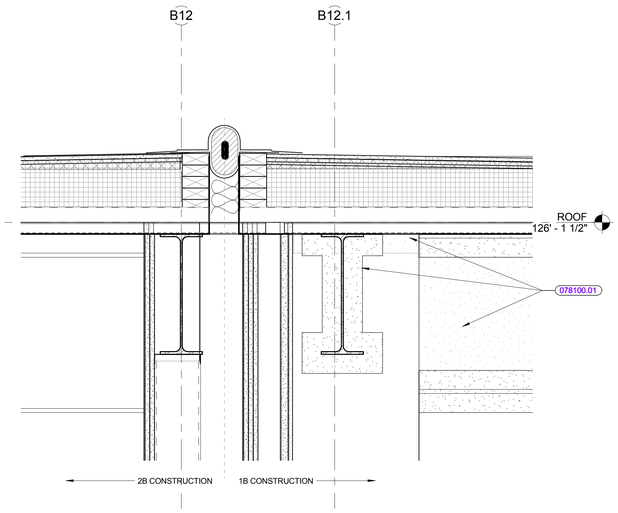
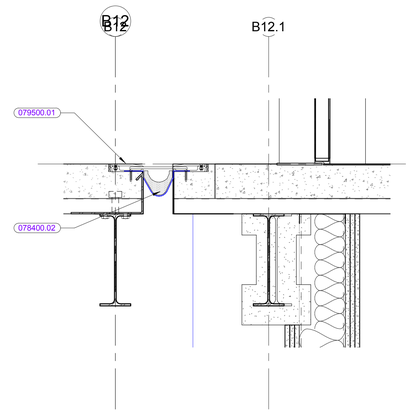


FIREWALL 1 - SECTION B (5)
1/2" = 1'-0"

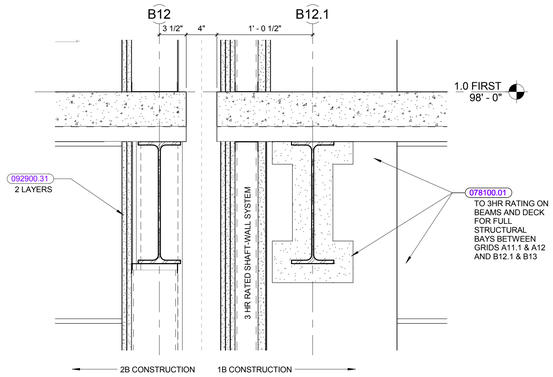
FIREWALL 1 - SECTION A (4)
1/2" = 1'-0"



FIREWALL 1 - DETAIL @ ROOF (1)
1 1/2" = 1'-0"



FIREWALL 1 - DETAIL @ DOOR (2)
1 1/2" = 1'-0"



FIREWALL 1 - DETAIL @ FLOOR (3)
1 1/2" = 1'-0"

FIREWALLS GENERAL NOTES

1. FIREWALL TYPE 1 SEPERATES CONSTRUCTION TYPE 1B AND CONSTRUCTION TYPE 2B.
2. FIREWALL TYPE 2 SEPERATES TWO AREAS OF TYPE 1B CONTRUCTION.
3. FIRE WALL TYPE ONE INCLUDES ADDITIONAL SPRAY FIREPROOFING TO MEET A 3 HR RATING FOR THE ENTIRE FIRST STRUCTURAL BAY ON THE CONSTRUCTION TYPE 1B SIDE OF THE FIRE WALL. THIS INCLUDES ALL BEAMS, COLUMNS AND METAL DECK ON AND BETWEEN GRIDS A11.1 & A12 AND B12.1 & B13.

KEYNOTE LIST

078100.01	SPRAYED FIREPROOFING
078400.02	FIRESTOP FILL MATERIAL
079500.01	FLOOR EXPANSION JOINT COVER
092900.26	5/8" ABUSE RESISTANT GYPSUM BOARD
092900.31	5/8" GYPSUM BOARD

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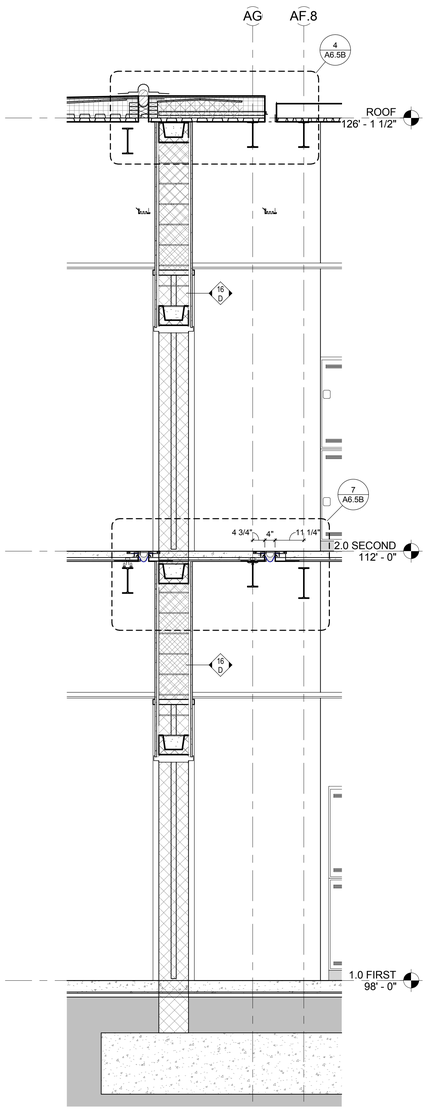
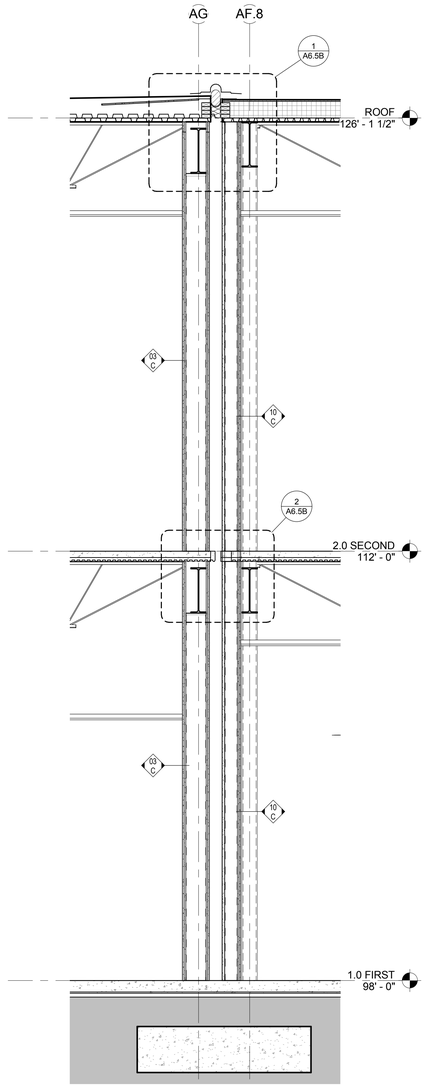
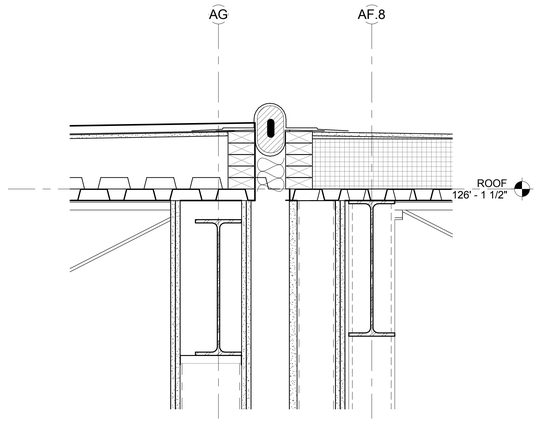


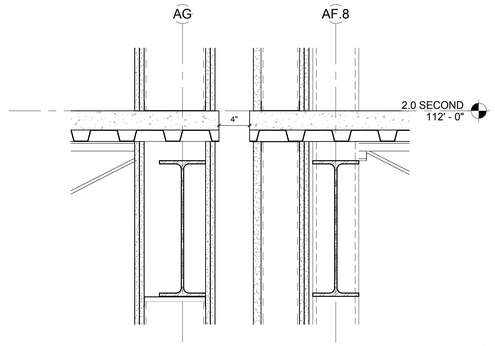
FIREWALL 2 - SECTION B (6)
1/2" = 1'-0"



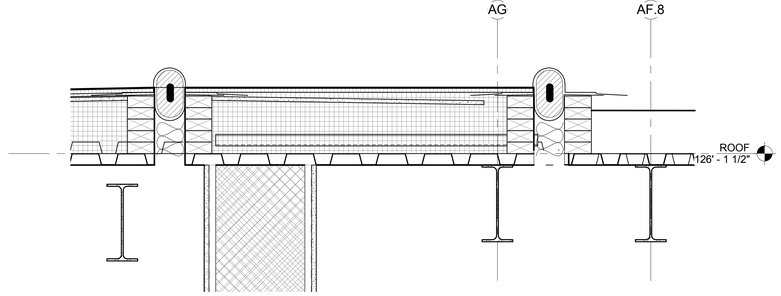
FIREWALL 2 - SECTION A (5)
1/2" = 1'-0"



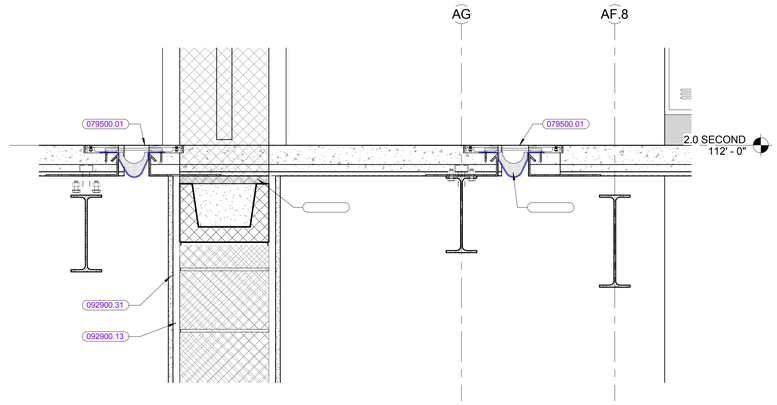
FIREWALL 2 SECTION A - ROOF DETAIL (1)
1 1/2" = 1'-0"



FIREWALL 2 SECTION A - FLOOR DETAIL (2)
1 1/2" = 1'-0"



FIREWALL 2 SECTION B - ROOF DETAIL (4)
1 1/2" = 1'-0"



FIREWALL 2 SECTION B - FLOOR DETAIL (7)
1 1/2" = 1'-0"

FIREWALLS GENERAL NOTES

1. FIREWALL TYPE 1 SEPERATES CONSTRUCTION TYPE 1B AND CONSTRUCTION TYPE 2B.
2. FIREWALL TYPE 2 SEPERATES TWO AREAS OF TYPE 1B CONTRUCTION.
3. FIRE WALL TYPE ONE INCLUDES ADDITIONAL SPRAY FIREPROOFING TO MEET A 3 HR RATING FOR THE ENTIRE FIRST STRUCTURAL BAY ON THE CONSTRUCTION TYPE 1B SIDE OF THE FIRE WALL. THIS INCLUDES ALL BEAMS, COLUMNS AND METAL DECK ON AND BETWEEN GRIDS A11.1 & A12 AND B12.1 & B13.

KEYNOTE LIST

079500.01	FLOOR EXPANSION JOINT COVER
092900.13	7/8" HAT-SHAPED RIGID FURRING CHANNEL
092900.31	5/8" GYPSUM BOARD

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Sections and Details-Firewall Type 2

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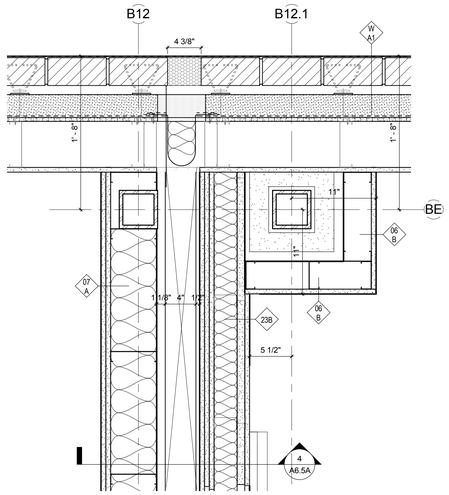
FIREWALLS GENERAL NOTES

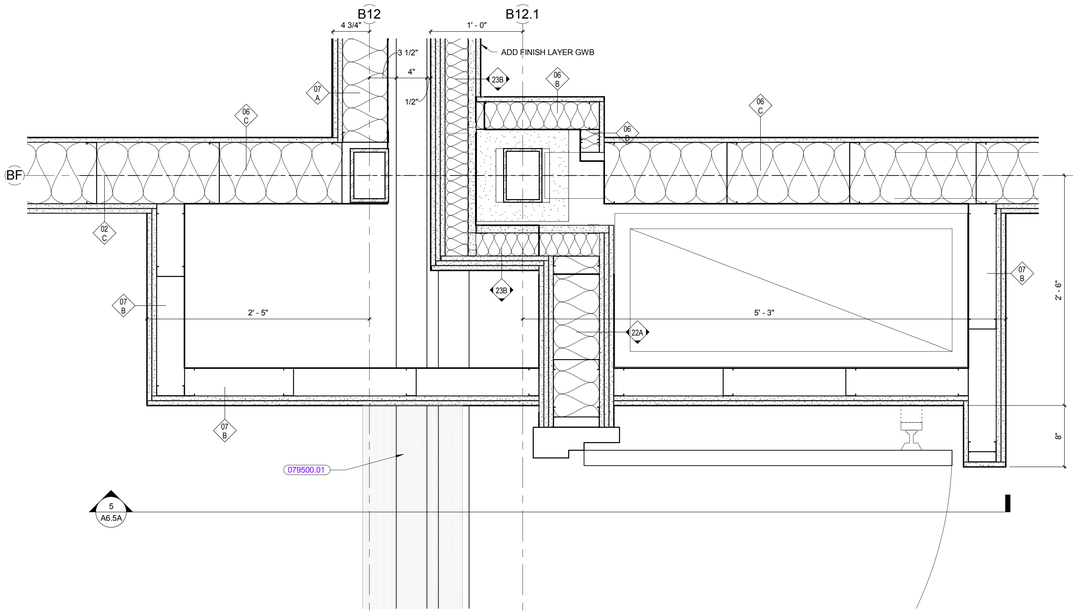
1. FIREWALL TYPE 1 SEPERATES CONSTRUCTION TYPE 1B AND CONSTRUCTION TYPE 2B.
2. FIREWALL TYPE 2 SEPERATES TWO AREAS OF TYPE 1B CONTRUCTION.
3. FIRE WALL TYPE ONE INCLUDES ADDITIONAL SPRAY FIREPROOFING TO MEET A 3 HR RATING FOR THE ENTIRE FIRST STRUCTURAL BAY ON THE CONSTRUCTION TYPE 1B SIDE OF THE FIRE WALL. THIS INCLUDES ALL BEAMS, COLUMNS AND METAL DECK ON AND BETWEEN GRIDS A11.1 & A12 AND B12.1 & B13.

KEYNOTE LIST

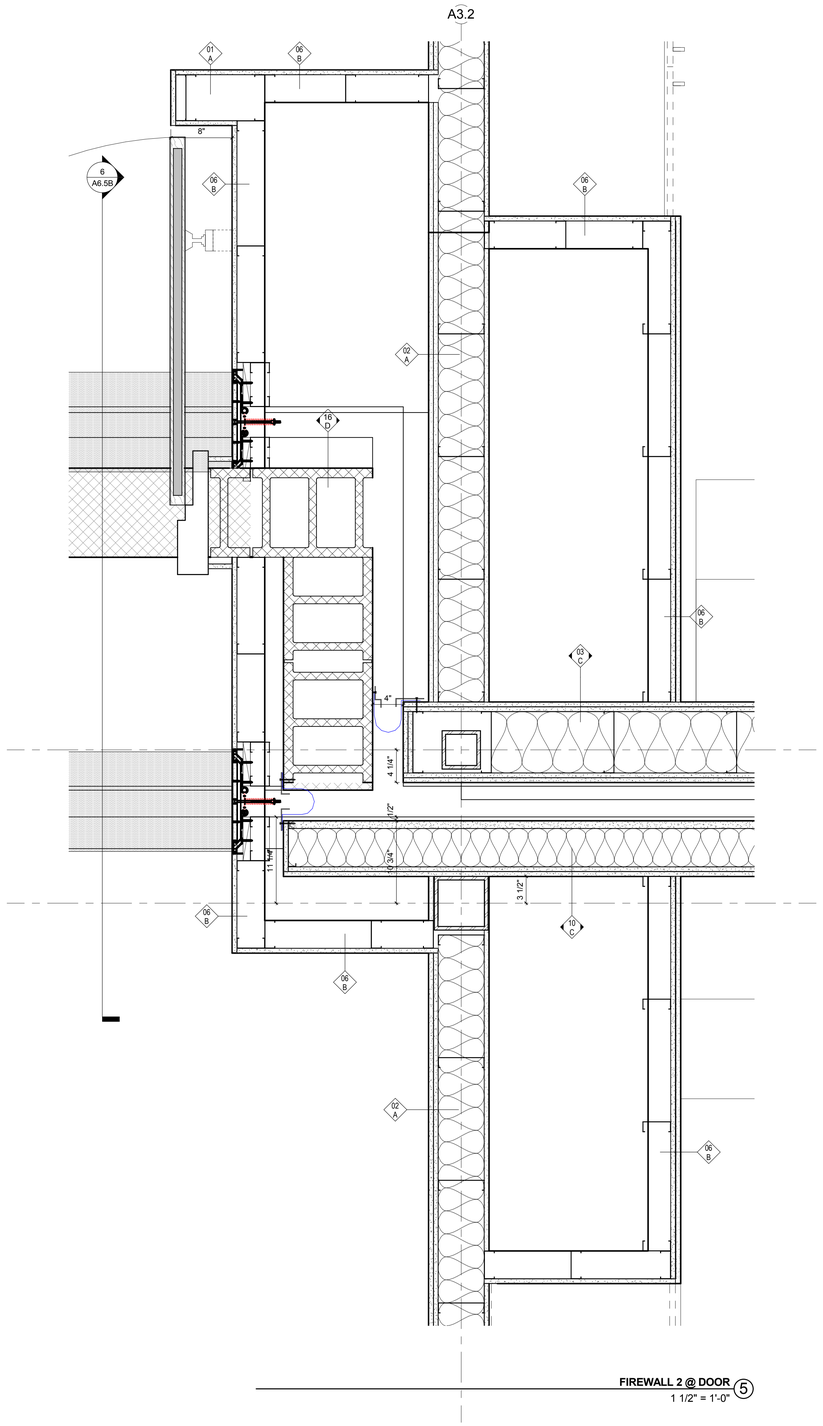
079500.01 FLOOR EXPANSION JOINT COVER



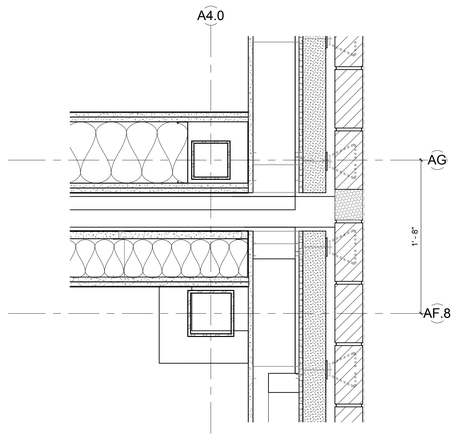
FIREWALL 1 @ EXT. WALL 1
1 1/2" = 1'-0"



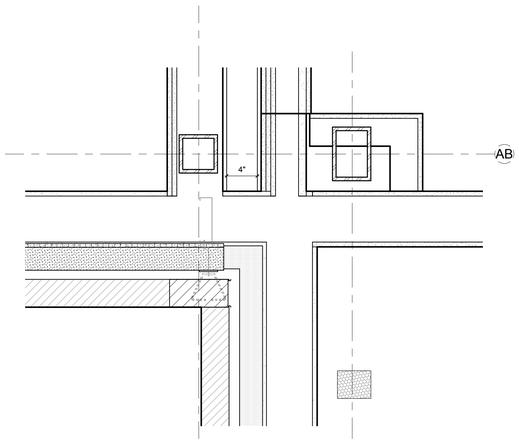
FIREWALL 1 @ DOOR 2
1 1/2" = 1'-0"



FIREWALL 2 @ DOOR 5
1 1/2" = 1'-0"



FIREWALL 2 @ EXT. WALL 4
1 1/2" = 1'-0"



FIREWALL 1 @ EXT. WALL - FIRST FLOOR SOUTH 3
1 1/2" = 1'-0"

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100% DESIGN DEVELOPMENT
3/15/2016

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Plan Details - Firewalls

SCALE: As indicated DRAWN BY: Author CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A6.5C

JOB NUMBER 403114

3/4/2016 8:40:41 PM C:\Users\tfisher\Documents\Dover HS_CENTRAL_ptfisher.rvt

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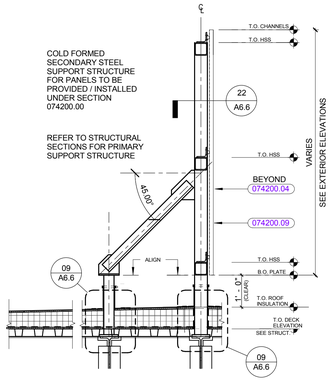
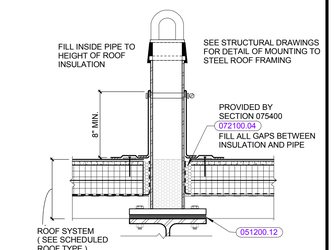
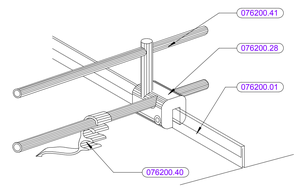


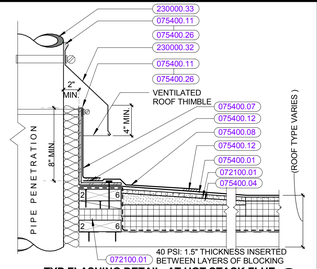
SECTION THROUGH VISUAL SCREENWALL PANEL1 (21)
1/2" = 1'-0"



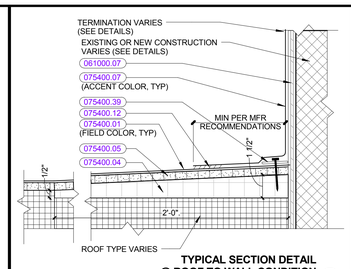
FALL PROTECTION ANCHOR (18)
1 1/2" = 1'-0"



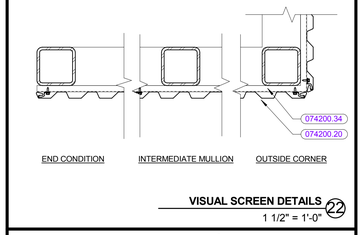
TYPICAL SNOW GUARD DETAIL (11)
1 1/2" = 1'-0"



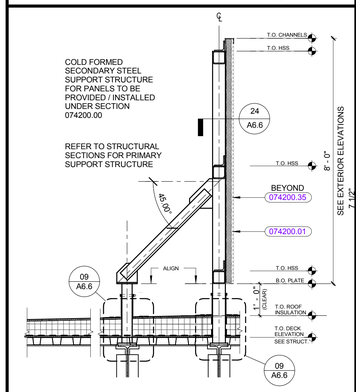
TYP FLASHING DETAIL AT HOT STACK FLUE (06)
1 1/2" = 1'-0"



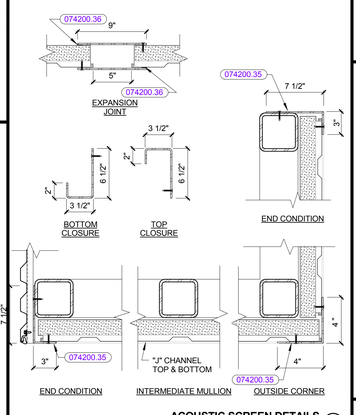
TYPICAL SECTION DETAIL @ ROOF TO WALL CONDITION (1)
3" = 1'-0"



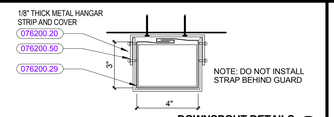
VISUAL SCREEN DETAILS (22)
1 1/2" = 1'-0"



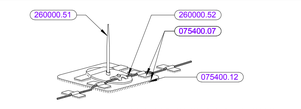
SECTION THROUGH ACOUSTIC SCREENWALL PANEL1 (23)
1/2" = 1'-0"



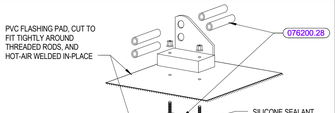
ACOUSTIC SCREEN DETAILS (24)
1 1/2" = 1'-0"



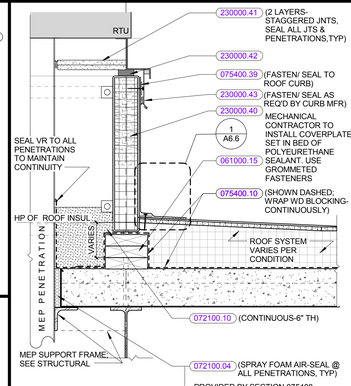
DOWNSPOUT DETAILS (19)
3" = 1'-0"



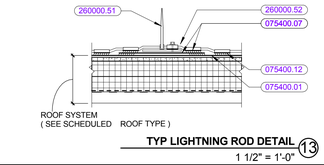
TYP LIGHTNING ROD DETAIL 3D (12)
3" = 1'-0"



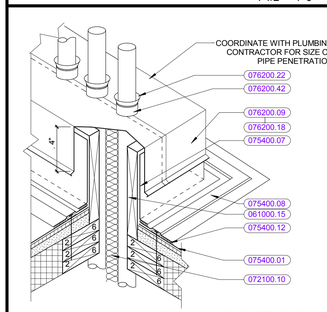
PVC FLASHING PAD AT SNOW GUARD (07)
1 1/2" = 1'-0"



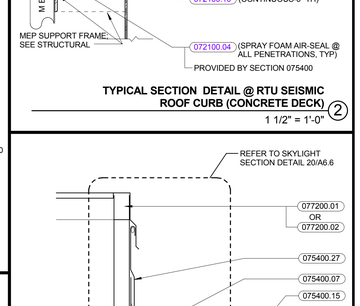
TYPICAL SECTION DETAIL @ RTU SEISMIC ROOF CURB (CONCRETE DECK) (2)
1 1/2" = 1'-0"



TYP LIGHTNING ROD DETAIL (13)
1 1/2" = 1'-0"

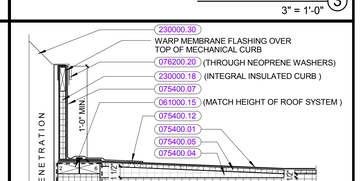


TYP GAS PIPE PENETRATIONS (14)
1 1/2" = 1'-0"

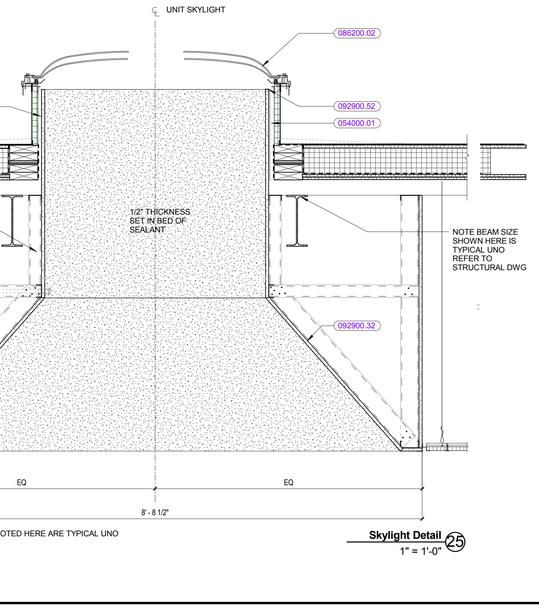


TYP CONE FLASHING AT PIPE PENETRATION (08)
1 1/2" = 1'-0"

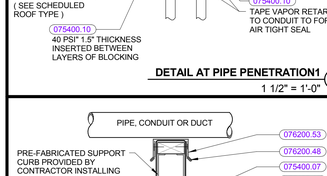
SMOKE VENT AND ROOF HATCH CURB DETAIL (3)
3" = 1'-0"



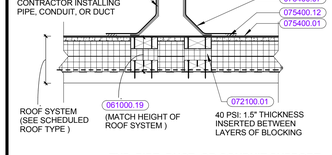
TYP DETAIL AT POST SUPPORT1 (09)
1 1/2" = 1'-0"



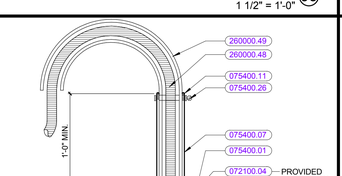
Skylight Detail (25)
1" = 1'-0"



DETAIL AT PIPE PENETRATION1 (15)
1 1/2" = 1'-0"

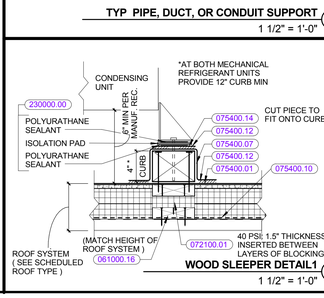


TYP PIPE, DUCT, OR CONDUIT SUPPORT (16)
1 1/2" = 1'-0"

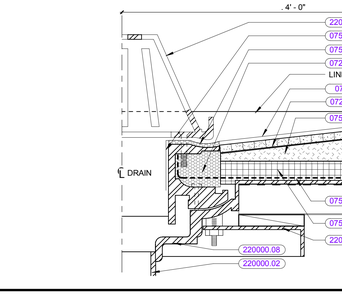


TYP DET AT ELECTRICAL PENETRATION (10)
1 1/2" = 1'-0"

TYPICAL SECTION DETAIL @ HVAC EXHAUST FAN ROOF CURB (4)
1 1/2" = 1'-0"



WOOD SLEEPER DETAIL1 (17)
1 1/2" = 1'-0"



TYP ROOF DRAIN (5)
3" = 1'-0"

GENERAL NOTES-ROOF DETAILS

1) REFER TO A6.1 FOR EXTERIOR DETAIL GENERAL NOTES, ABBRAVIATIONS & LEGENDS.

2) MEPFP ELEMENTS SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. REFER TO ASSOCIATED MEPFP DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.

3) STRUCTURAL ELEMENTS SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. REFER TO ASSOCIATED STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.

4) ALL WOOD BLOCKING AND PLYWOOD USED AND EXTERIOR WALL AND ROOF CONDITIONS SHALL BE PRESSURE TREATED.

5) ALL FLASHING AND AIR BARRIER MATERIALS SHALL BE BE LAPPED "SHINGLE STYLE" TO PROMOTE POSITIVE DRAINAGE, TYPICAL THROUGHOUT.

6) ALL PENETRATIONS THROUGH THE EXTERIOR ROOF SYSTEM SHALL BE SEALED AIRTIGHT AND WATERTIGHT TYPICAL THROUGHOUT.

7) ROOF WALKWAY PADS ARE REQUIRED ADJACENT TO VARIOUS ROOF TO WALL AND ROOF TO MECHANICAL CURB CONDITIONS. WALKWAY PADS ARE REQUIRED BUT NOT SHOWN IN THESE ENLARGED DETAILS FOR CLARITY. SEE ROOF PLAN FOR LOCATIONS AND EXTENT.

8) TYPICAL THERMOPLASTIC SYSTEM MEMBRANE SEAMING & FLASHING DETAILS SHOWN ARE SCHEMATIC; REFER/ COMPLY WITH MANUFACTURERS RECOMMENDED SYSTEM DETAILS TO MAINTAIN SYSTEM WARRANTY.

KEYNOTE LIST

051200.06	STEEL TUBE
051200.12	THERMAL ISOLATION BREAK WASHER/ PLATE
054000.01	COLD-FORMED METAL FRAMING
061000.07	1/2" PLYWOOD
061000.15	CONTINUOUS WOOD BLOCKING, SIZE AS REQUIRED
061000.16	WOOD BLOCKING, SIZE AS REQUIRED
061000.19	WOOD NAILER(S) AS REQUIRED
072100.01	RIGID THERMAL INSULATION
072100.04	SPRAY FOAM INSULATION/SEALANT
072100.10	MINERAL WOOL INSULATION
074200.01	ACOUSTIC SCREEN WALL PANEL SYSTEM
074200.04	CONTINUOUS CHANNEL
074200.09	VISUAL SCREEN WALL PANEL SYSTEM
074200.20	7/8" CORRUGATED METAL PANEL SIDING W/ CONCEALED FASTENERS
074200.34	
074200.35	
074200.36	
075400	THERMOPLASTIC MEMBRANE ROOFING
075400.01	MEMBRANE ROOFING
075400.04	TAPERED INSULATION EDGE STRIP
075400.05	PROTECTION BOARD
075400.07	MEMBRANE FLASHING
075400.08	MEMBRANE BASE FLASHING
075400.10	VAPOR RETARDER- FULLY ADHERED
075400.11	WATER CUT-OFF MASTIC
075400.12	HOT AIR WELD
075400.14	WALKWAY PADS
075400.15	CRICKET
075400.25	PRE-MOLDED PIPE FLASHING
075400.26	STAINLESS STEEL CLAMPING RING
075400.27	RUBBER ROD STOCK
075400.39	FASTENER & SEAM PLATE
076200.01	METAL ROOFING
076200.09	METAL FLASHING
076200.18	CONTINUOUS METAL CLEAT
076200.20	FASTENER
076200.22	SEALANT
076200.28	SNOWGUARD(S)
076200.29	METAL DOWNSPOUT
076200.40	SNOWGUARD CLIP
076200.41	SNOWGUARD RAIL
076200.42	STAINLESS STEEL COLLAR
076200.48	CONTINUOUS SHEET METAL HOOK STRIP
076200.50	METAL DOWNSPOUT HANGER STRAP
076200.53	SHEET METAL PARAPET CAP
077200.01	SMOKE VENT
077200.02	ROOF HATCH
086200.02	FIXED DOMED SKYLIGHT
092900.06	2-1/2" STUDS
092900.32	5/8" FIRE-RESISTANT GYPSUM BOARD
092900.52	L-TRIM
095100.01	STANDARD TYPE ACOUSTIC TILE CEILING SYSTEM
220000.02	ROOF DRAIN
220000.07	ROOF DRAIN CLAMPING RING
220000.08	ROOF DRAIN BOWL
220000.09	ROOF DRAIN DOME
230000.00	Division 23 - Heating Ventilating and Air Conditioning
230000.18	MECHANICAL EQUIPMENT ROOF CURB
230000.30	ROOF MOUNTED MECHANICAL EQUIPMENT
230000.32	VENTILLATED ROOF COLLAR
230000.33	HOT STACK FLUE
230000.40	SEISMIC SPRING CURB- INTEGRAL INSULATION
230000.41	SEISMIC SPRING CURB ASSEMBLY- SOUND PACKAGE
230000.42	SEISMIC SPRING CURB ASSEMBLY- WEATHER SEAL & ACOUSTICAL PADS
230000.43	SEISMIC SPRING CURB ASSEMBLY- FLASHING ASSEMBLY
260000.48	CONDUIT
260000.49	WEATHERHEAD
260000.51	LIGHTNING ROD
260000.52	LIGHTNING ROD CABLE

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3/15/2016

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Roof Details - Thermoplastic Membrane Roofing
SCALE: As indicated
DRAWN BY: V.V.
CHECKED BY: AD / MM

REVISIONS NO.	DATE	REMARKS	BY
1	Date 1	Revision 1	

DRAWING NUMBER
A6.6

JOB NUMBER 403114

3/14/2016 9:43:23 PM C:\Users\jbrown\Documents\Dover HS_CENTRAL_jbrown.rvt

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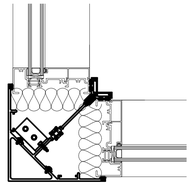
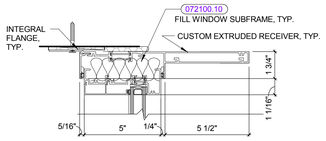
WINDOW PROFILES

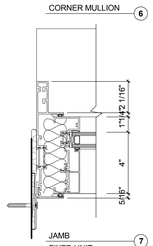
SPECIFICATION SECTION 085110



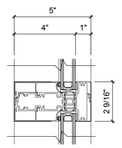
CORNER MULLION 6



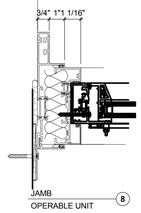
HEAD
FIXED UNIT 1



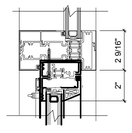
JAMB
FIXED UNIT 7



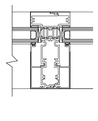
HORIZ./VERT. MEETING RAIL 2



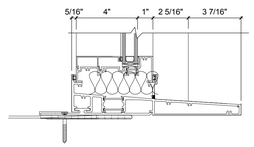
JAMB
OPERABLE UNIT 8



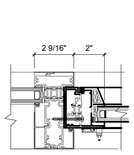
HORIZ. MEETING RAIL
FIXED / OPERABLE HEAD 3



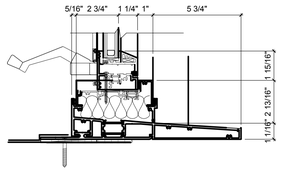
VERT. MEETING RAIL
FIXED / FIXED 9



SILL
FIXED UNIT 4



VERT. MEETING RAIL
FIXED / OPERABLE JAMB 10



SILL
OPERABLE UNIT 5

WINDOWS SCHEDULE

W XX

X INDICATES WINDOW FRAME PROFILE PROFILE ON THIS SHEET

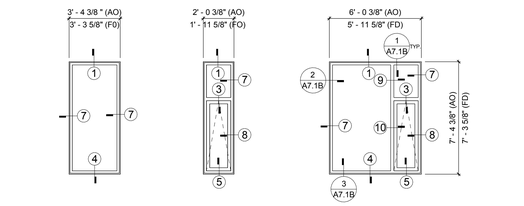
SPECIFICATION SECTION 085110

NOTES:

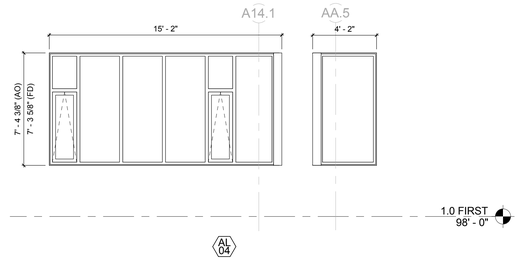
A) PROVIDE INSULATING GLASS UNITS @ ALL WINDOW FRAMES

B) FRAME DIMENSION (FD) SHOW IS BASED ON A MINIMUM OF 3/8" SEALANT JOINTAROUND PERIMETER OF OPENING. THE SEALANT JOINT DIMENSION MAY VARY DUE TO FIELD CONDITIONS. FEILD VERIFY ALL ACTUAL OPENING (AO) AND ROUGH OPENING(RO) DIMENSIONS PRIOR TO FABRICATIONS. REFER TO REFERENCED DETAILS FOR ALLOWABLE SEALANT JOINT DIMENSIONAL TOLERANCES

C) PROVIDE AN INSECT SCREEN AT EACH OPERABLE SASH



AL 03 AL 02 AL 01



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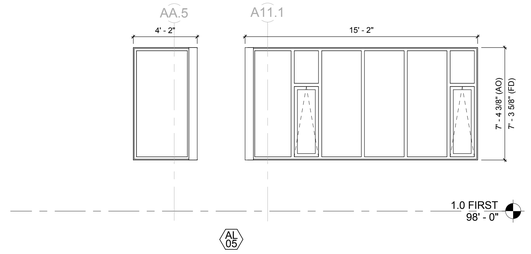

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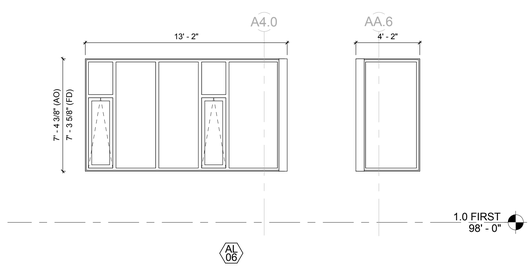

AL 06

WINDOWS - GENERAL NOTES

1) REFER TO BUILDING ELEVATIONS FOR LOCATIONS OF WINDOWS AND LOUVERS

2) ALL WOOD BLOCKING AT WINDOW CURTAINWALL FRAMES AND LOUVER OPENINGS SHALL BE PRESSURE TREATED (061000)

ABBREVIATIONS

(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

AO	= ACTUAL OPENING DIMENSION IN MASONRY WALL
RO	= ROUGH OPENING DIMENSION IN IN STUD FRAMED WALL
FD	= FRAME DIMENSION
VF	= VERIFY IN FIELD

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100% DESIGN DEVELOPMENT
3/15/2016

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH

Window Schedule and Frame Types

SCALE: As indicated DRAWN BY: Author CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A7.1A

JOB NUMBER 403114

3/14/2016 8:41:48 PM C:\Users\fjohnson\Documents\Revit\Dover HS_CENTRAL_fjohnson.rvt

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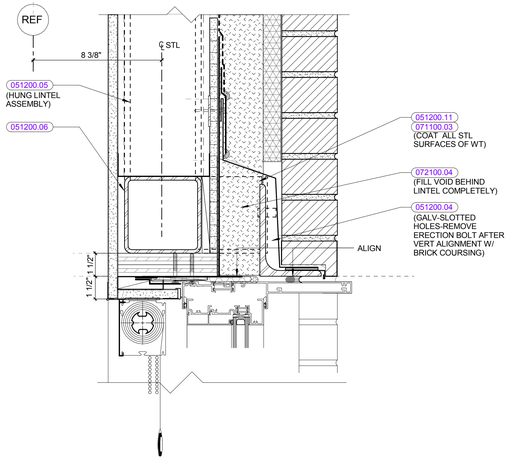
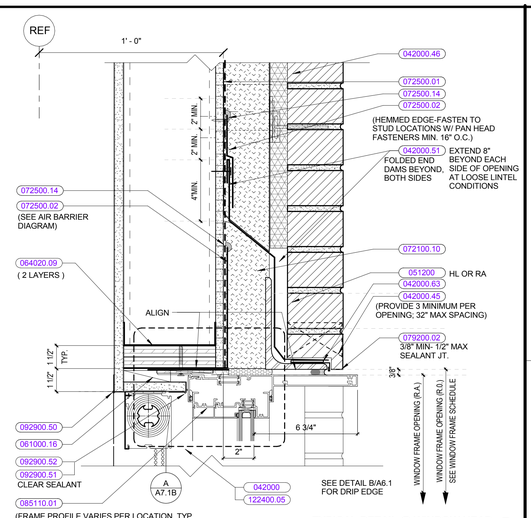
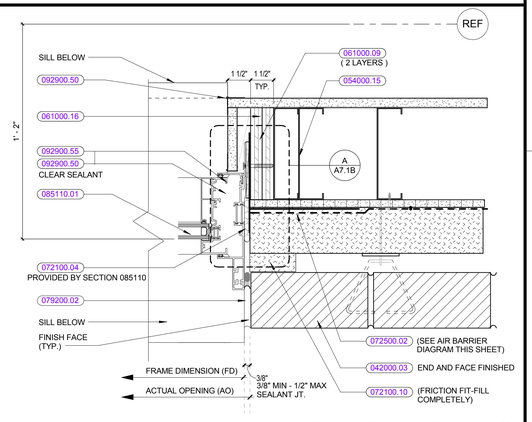


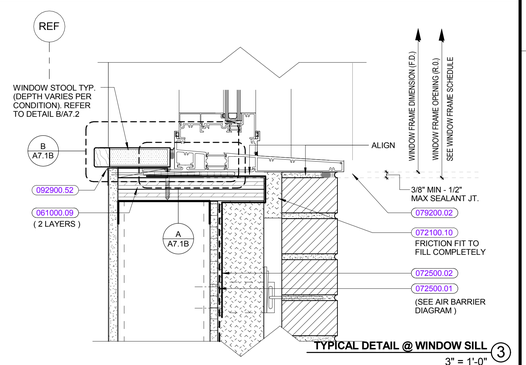
TYPICAL SECTION DETAIL @ WINDOW HEAD- HUNG LINTEL (5)
3" = 1'-0"



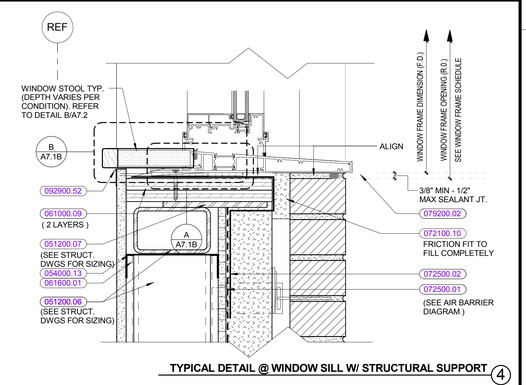
TYPICAL DETAIL @ WINDOW HEAD (1)
3" = 1'-0"



TYPICAL DETAIL @ WINDOW JAMB (2)
3" = 1'-0"



TYPICAL DETAIL @ WINDOW SILL (3)
3" = 1'-0"



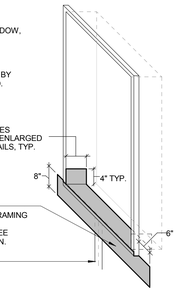
TYPICAL DETAIL @ WINDOW SILL W/ STRUCTURAL SUPPORT (4)

AIR VAPOR BARRIER (AVB) DIAGRAM @ OPENINGS

GENERAL NOTES:

1) THIS DIAGRAM APPLIES TO ALL DOOR, WINDOW, CURTAINWALL, STOREFRONT, LOUVER AND MECHANICAL OPENINGS REQUIRED IN ALL EXTERIOR WALL SYSTEM

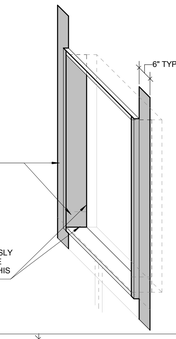
2) ALL WORK SHOWN SHALL BE PERFORMED BY SECTION 072500 UNLESS OTHERWISE NOTED.



STEP ONE- SILL

A) INSTALL AVB COUNTERFLASH STRIP, OVERLAPPING TAPED JOINTS AND ROUGH FRAMING AT THE SILL. NOTE: ROUGH BLOCKING CONFIGURATION VARIES PER CONDITION. SEE ENLARGED DETAILS FOR MORE INFORMATION.

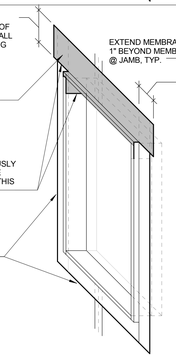
B) TAPE & SEAL ALL JOINTS AND SCREW HEADS AT SHEATHING PER AVB MFR INSTRUCTIONS.



STEP TWO- JAMBS

C) INSTALL AVB MEMBRANE STRIP OVERLAPPING THE MEMBRANE AT THE SILL AND THE ROUGH FRAMING AT JAMB. ROUGH BLOCKING CONFIGURATION VARIES PER CONDITION. SEE ENLARGED DETAILS FOR MORE INFORMATION.

D) APPLY SEALANT @ ALL JOINTS CONTINUOUSLY - (SEALANT MUST BE COMPATIBLE W/ SILICONE MEMBRANE TIE-IN MATERIALS PER DETAIL A THIS SHEET.)

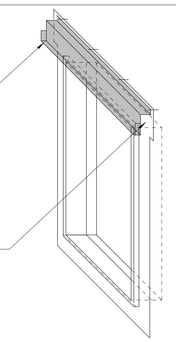


STEP THREE- HEAD

E) INSTALL AVB MEMBRANE STRIP OVERLAPPING THE MEMBRANE AT THE JAMBS AND THE ROUGH FRAMING AT HEAD (ROUGH BLOCKING CONFIGURATION VARIES PER CONDITION. SEE ENLARGED DETAILS FOR MORE INFORMATION.)

F) APPLY SEALANT @ ALL JOINTS CONTINUOUSLY (SEALANT MUST BE COMPATIBLE W/ SILICONE MEMBRANE TIE-IN MATERIALS PER DETAIL A THIS SHEET.)

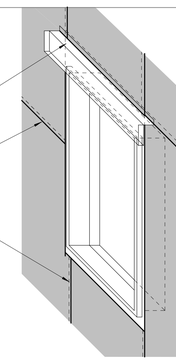
G) SEAL ALL SEAMS @ PERIMETER BETWEEN THE AVB MEMBRANE AND THE SHEATHING, TYP.



STEP FOUR- HEAD FLASHING

H) INSTALL TWF AT THE HEAD W/ SPECIFIED FASTENERS @ STUD LOCATIONS. (SEE ENLARGED DETAILS FOR TRADE RESPONSIBLE TO PROVIDE TWF)

I) INSTALL THE THERMAL INSULATION AT THE HEAD PRIOR TO THE INSTALLATION OF THE THRU-WALL FLASHING. (SEE ENLARGED DETAILS FOR TRADE RESPONSIBLE TO PROVIDE INSULATION)



STEP FIVE- AVB FIELD MEMBRANE APPLICATION

J) OVERLAP AVB SHEET OVER TWF TO CREATE AIR & WATER TIGHT SEAL. (APPLY CONT SEALANT @ JTS B/W/ AVB & TWF).

K) AT HORIZONTAL JOINTS, OVERLAP AVB MEMBRANE SHEETS AT SHINGLE STYLE TO CREATE POSITIVE DRAINAGE, TYP. (SEAL ALL JTS B/W SHEETS)

L) INSTALL AVB FIELD MEMBRANE. SHEET VERTICALLY WHEREVER POSSIBLE, WITH FACTORY EDGE OVERLAPPING ADJACENT SHEET.

GENERAL NOTES:

WINDOW / LOUVER OPENING DETAILS

1) GENERAL NOTES, LEGEND & ABBREVIATIONS APPLY TO THE A7 SERIES DRAWINGS.

2) MEPFP ELEMENTS SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. REFER TO ASSOCIATED MEPFP DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.

3) STRUCTURAL FRAME AND CONCRETE FOOTING CONFIGURATION SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. REFER TO ASSOCIATED STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.

4) REFER TO BUILDING ELEVATIONS FOR SPECIFIC MASONRY TYPES, PATTERNS, AND CONFIGURATIONS.

5) ALL WOOD BLOCKING AND PLYWOOD USED ON EXTERIOR WALL AND ROOF CONDITIONS SHALL BE PRESSURE TREATED.

6) ALL FLASHING AND AIR BARRIER MATERIALS SHALL BE BE LAPPED "SHINGLE STYLE" TO PROMOTE POSITIVE DRAINAGE, TYPICAL THROUGHOUT.

7) ALL PENETRATIONS THROUGH THE EXTERIOR WALL SYSTEM SHALL BE SEALED AIRTIGHT AND WATERTIGHT TYPICAL THROUGHOUT.

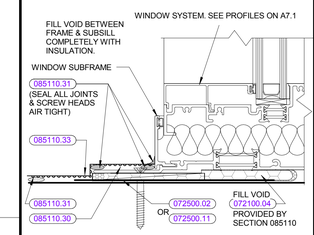
ABBREVIATIONS-EXTERIOR DETAILS

(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

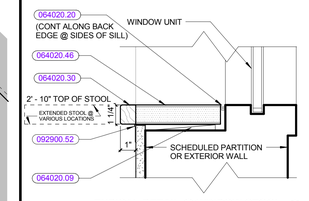
AO	=ACTUAL OPENING IN MASONRY
RO	=ROUGH OPENING IN STUD FRAMED WALL
FD	=FRAME DIMENSION
TOD	=TOP OF DECK
AVB	=AIR/ VAPOR BARRIER
TWF	=THROUGH WALL FLASHING

KEYNOTE LIST

042000	UNIT MASONRY
042000.03	DECORATIVE CMU UNITS, SEE ELEVATIONS FOR COLOR/PATTERN
042000.45	WEEP/VENT
042000.46	CAVITY DRAINAGE MATERIAL
042000.51	THROUGH-WALLSHEET METAL FLASHING
042000.63	MORTAR BED - SLOPE TO POSITIVE DRAINAGE
051200	STRUCTURAL STEEL FRAMING
051200.04	STEEL ANGLE
051200.05	STEEL CHANNEL
051200.06	STEEL TUBE
051200.07	STEEL PLATE
051200.11	STEEL WT
054000.13	BUILT-UP HEADER
054000.15	BUILT-UP JAMB
061000.09	3/4" PLYWOOD
061000.16	WOOD BLOCKING, SIZE AS REQUIRED
061600.01	1/2" GYPSUM SHEATHING BOARD
064020.09	SHIM(S) AS REQUIRED
064020.20	SEALANT AS REQUIRED
064020.30	SOLID WOOD TRIM
064020.46	SOLID SURFACING
071100.03	MASTIC COATING OF STEEL
072100.04	SPRAY FOAM INSULATION/SEALANT
072100.10	MINERAL WOOL INSULATION
072500.01	AIR BARRIER FIELD MEMBRANE
072500.02	AIR BARRIER MEMBRANE STRIP
072500.11	COUNTER FLASHING STRIP
072500.14	
079200.02	EXTERIOR SEALANT AND BACKEROD
085110.01	ALUMINUM WINDOW SYSTEM
085110.30	BUTYL TAPE
085110.31	SILICONE SEALANT
085110.33	SILICONE EXTRUSION
092900.50	CORNER BEAD
092900.51	J-TRIM
092900.52	L-TRIM
092900.55	BULLNOSE TRIM
122400.05	WINDOW SHADES



TYP. WINDOW FRAME TO AIR BARRIER SEAL (A)
6" = 1'-0"



TYPICAL DETAIL @ WINDOW STOOL (B)
3" = 1'-0"

REVISIONS NO.	DATE	REMARKS	BY

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3/15/2016

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Window Details

SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
A7.1B

JOB NUMBER 403114

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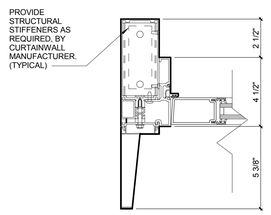
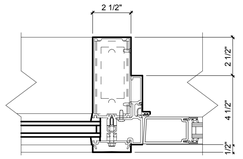
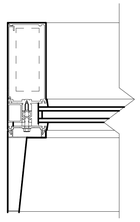
ALUMINUM CURTAIN WALL PROFILES



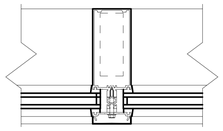
CURTAINWALL JAMB @ DOOR (P)



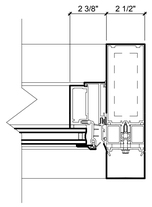
CW FRAME @ DOOR (Q)



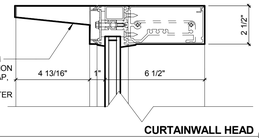
CURTAINWALL JAMB (R)



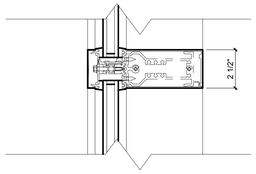
CURTAINWALL INTERMEDIATE FRAME (S)



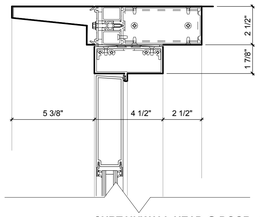
CURTAINWALL JAMB (T)



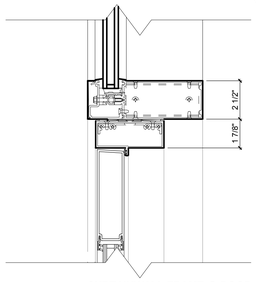
CURTAINWALL HEAD (H)



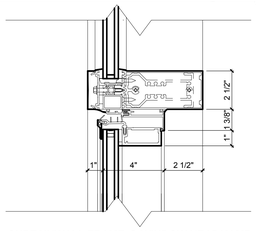
CW INTERMEDIATE HORIZONTAL FRAME (I)



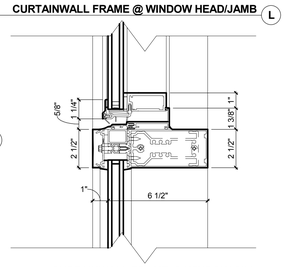
CURTAINWALL HEAD @ DOOR (J)



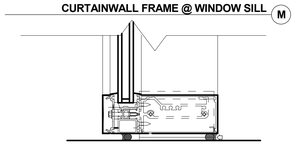
CURTAINWALL FRAME @ DOOR (K)



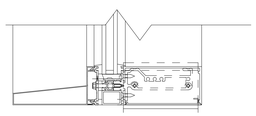
CURTAINWALL FRAME @ WINDOW HEAD/JAMB (L)



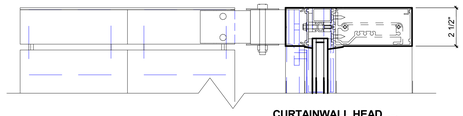
CURTAINWALL FRAME @ WINDOW SILL (M)



CURTAINWALL SILL (N)

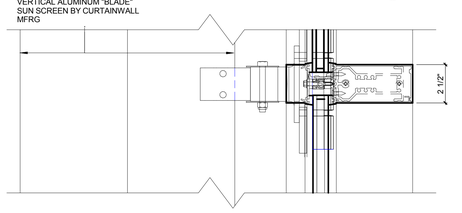


CURTAINWALL SILL (O)

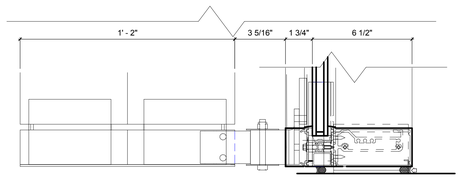


CURTAINWALL HEAD (A)

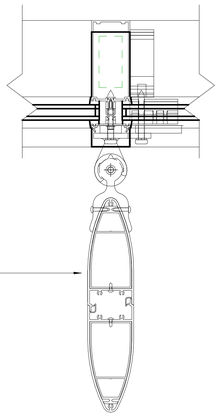
VERTICAL ALUMINUM "BLADE" SUN SCREEN BY CURTAINWALL MFRG



CW INTERMEDIATE HORIZONTAL FRAME (B)

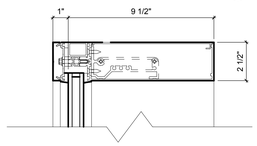


CURTAINWALL SILL (C)

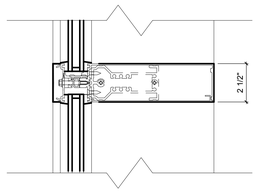


VERTICAL ALUMINUM "BLADE" SUN SCREEN BY CURTAINWALL MFRG

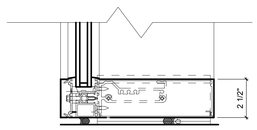
CW INTERMEDIATE VERTICAL FRAME W/FIN (D)



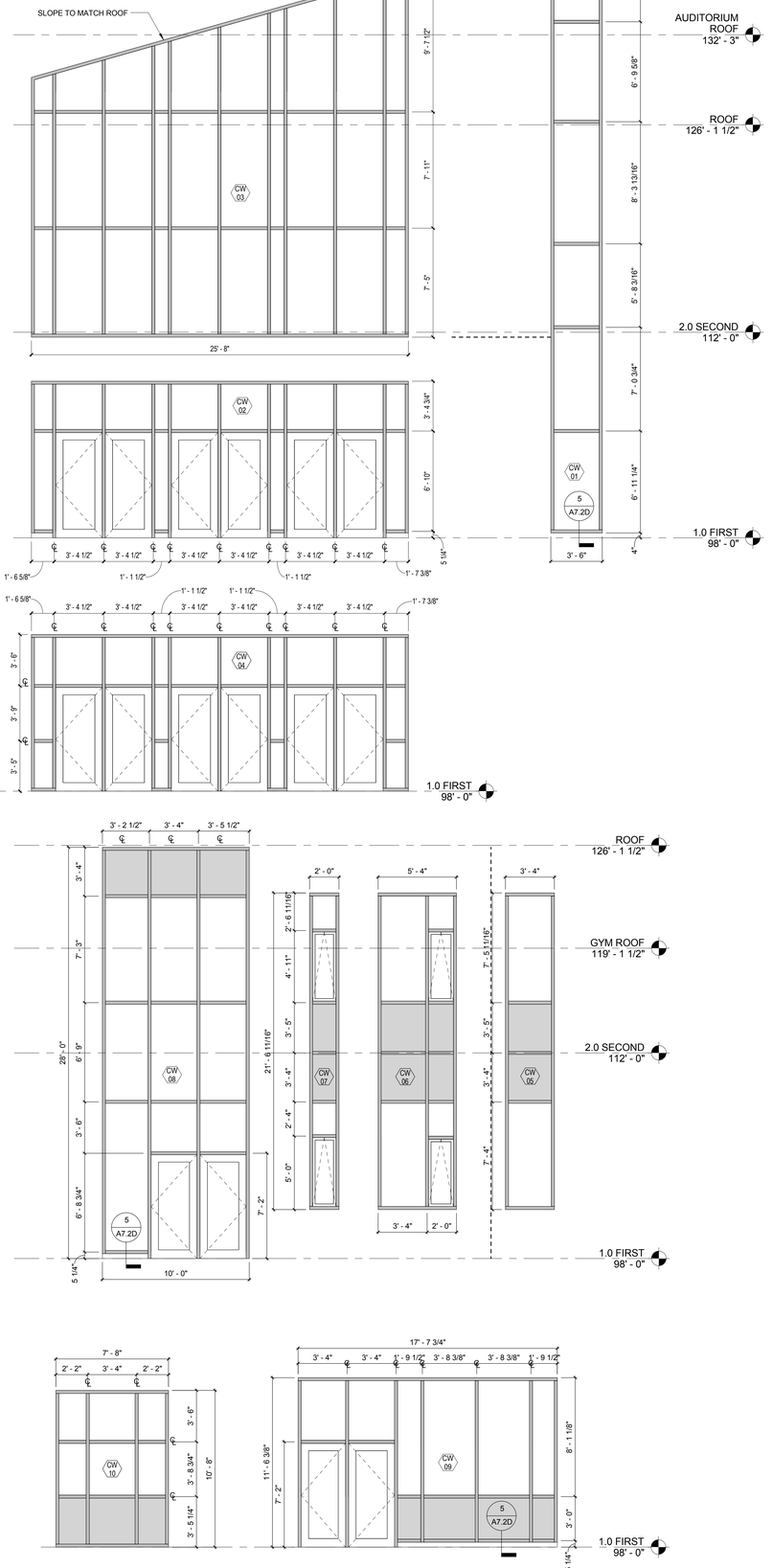
CURTAINWALL HEAD (E)



CURTAINWALL INTERMEDIATE FRAME (F)



CURTAINWALL SILL (G)



CURTAINWALL FRAME - GENERAL NOTES

1) REFER TO BUILDING ELEVATIONS FOR LOCATIONS OF WINDOWS, CURTAINWALL FRAMES AND LOUVERS

ABBREVIATIONS

(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

AO	= ACTUAL OPENING DIMENSION IN MASONRY WALL
RO	= ROUGH OPENING DIMENSION IN MASONRY WALL
FD	= FRAME DIMENSION
VIF	= VERIFY IN FIELD

ALUMINUM CURTAINWALL FRAME SCHEDULE

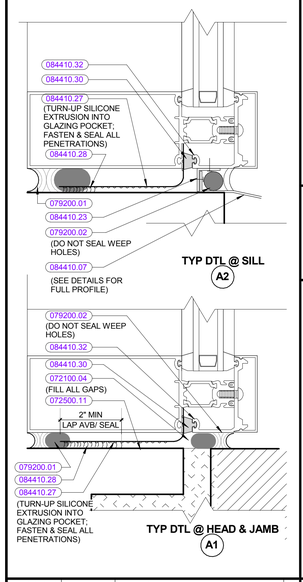
CW XX — SPECIFICATION SECTION 084410 - CURTAINWALL CONSTRUCTION
SPECIFICATION SECTION 088000 - GLAZING

X — INDICATES CURTAINWALL PROFILE ON THIS SHEET

NOTES:
A) PROVIDE TEMPERED INSULATING GLASS (TIG) @ ALL CURTAINWALL FRAMES (BY 088000) UNLESS OTHERWISE NOTED
B) FRAME DIMENSION (FD) SHOWN IS BASED ON A MINIMUM OF 3/8" SEALANT JOINTAROUND PERIMETER OF OPENING. THE SEALANT JOINT DIMENSION MAY VARY DUE TO FIELD CONDITIONS. FEILD VERIFY ALL ACTUAL OPENING (AO) AND ROUGH OPENING(RO) DIMENSIONS PRIOR TO FABRICATIONS. REFER TO REFERENCED DETAILS FOR ALLOWABLE SEALANT JOINT DIMENSIONAL TOLERANCES
C) MODIFY EXTERIOR DOOR FRAMES AS REQUIRED TO ACCEPT DOOR CONTACTS (DC) AND OTHER SECURITY HARDWARE DEVICES. SEE DOOR SCHEDULE AND COORDINATE WITH SECTION 087100 & 260000.
D) PROVIDE PRECAST SILL AT ALL CURTAINWALL WITHIN 4" OF GROUND SURFACE. SEE DETAIL 5/A7.2D

EXTERIOR ALUMINUM CURTAINWALL FRAME AREA

Curtainwall Area
17301.73 SF



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3/15/2016

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Curtainwall Schedule and Frame Types

SCALE: As indicated | DRAWN BY: Author | CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER A7.2A

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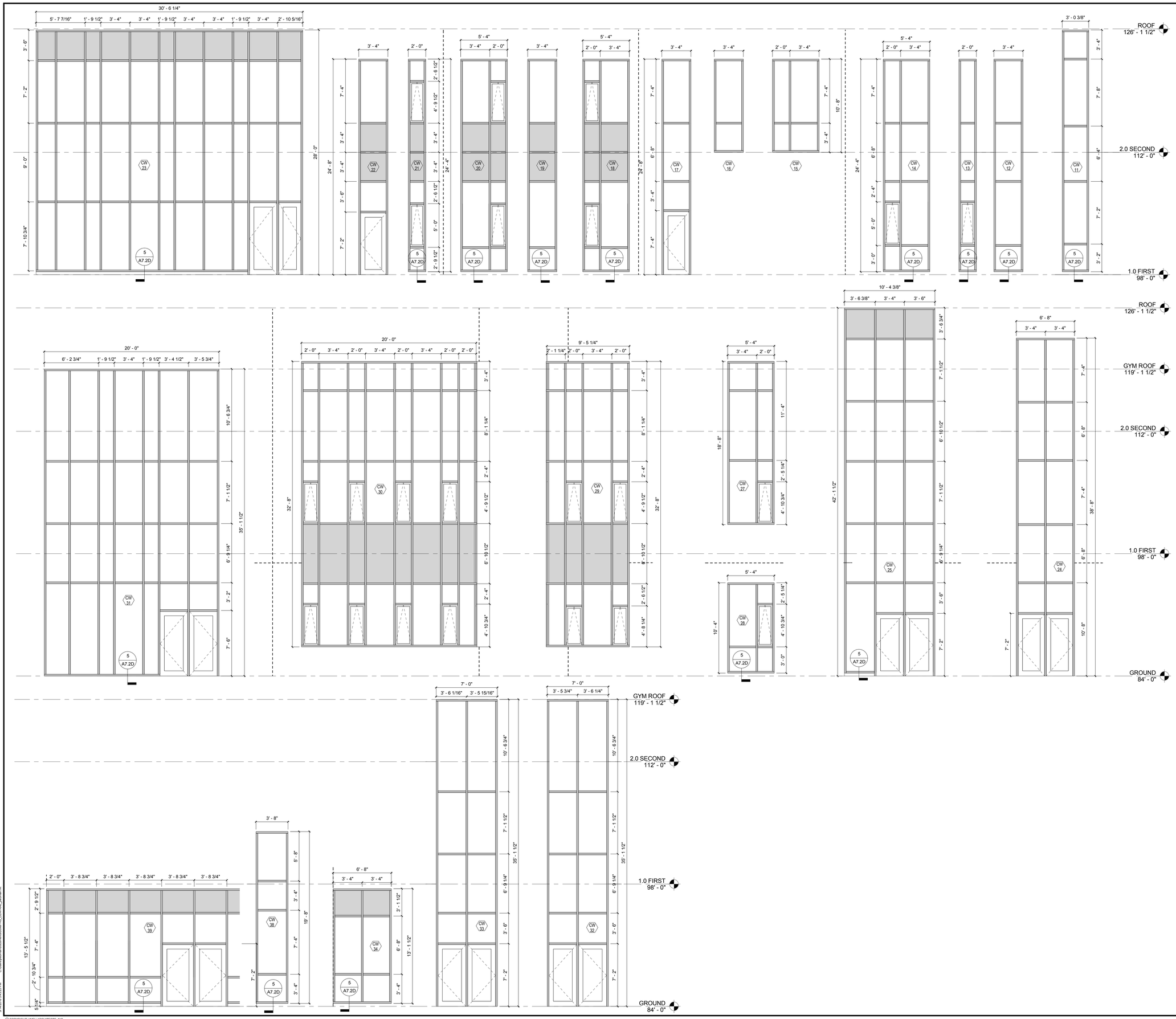

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3/15/2016

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Curtainwall Schedule

SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A7.2B

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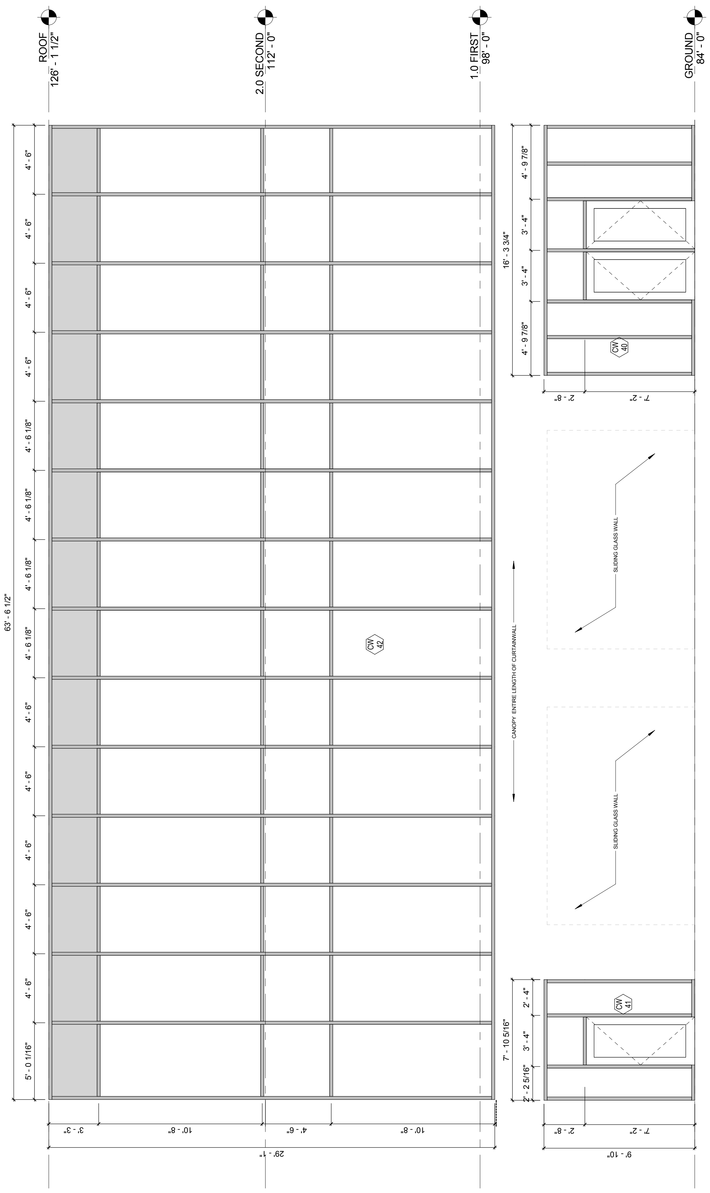

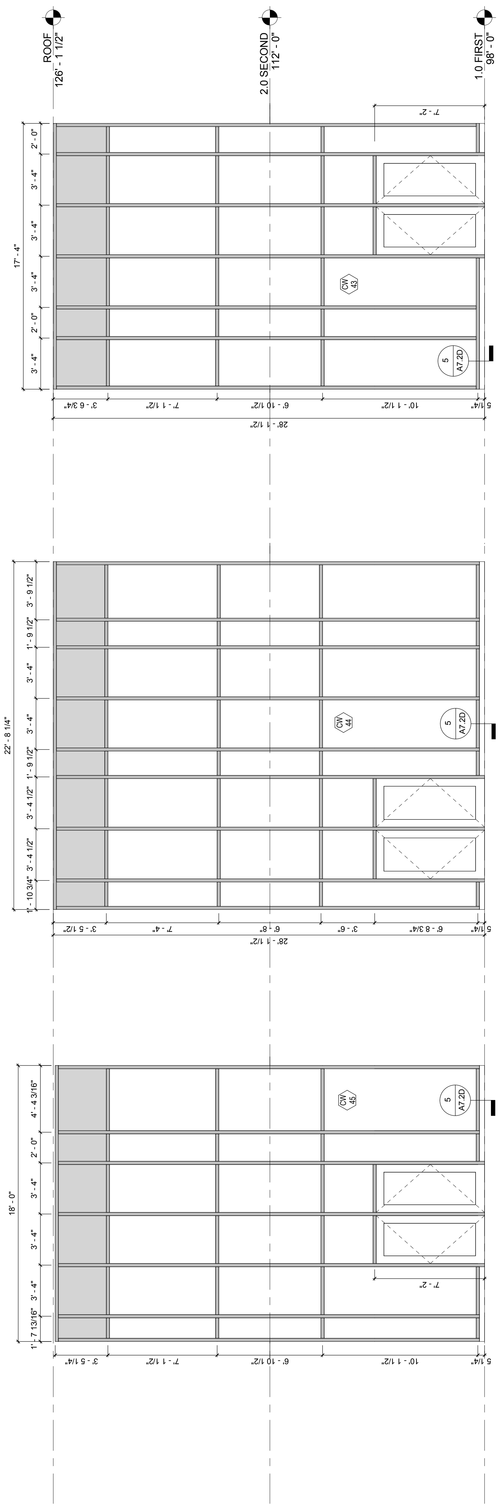

Dover HS / Career Technical Center 25 Alumni Drive, Dover, NH Curtainwall Schedule	100% DESIGN DEVELOPMENT 3/15/2016	HMFH ARCHITECTS 130 Bishop Allen Drive Cambridge, MA 02139 617 492 2220 @HMFHArch.hmfh.com

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DRAWING NUMBER A7.2C

JOB NUMBER 403114

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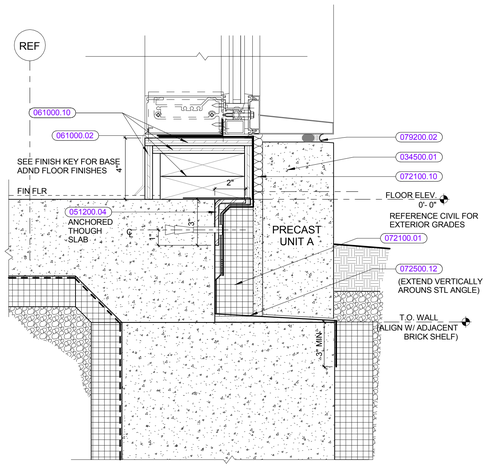
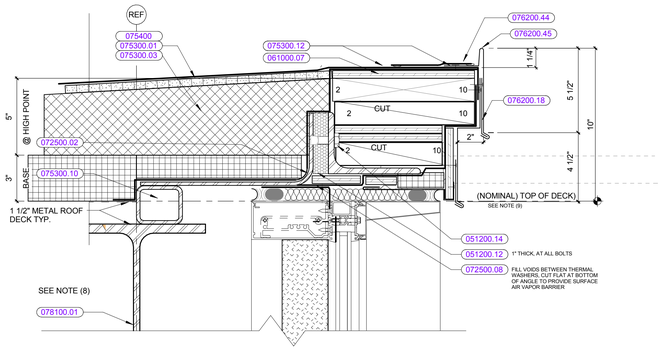
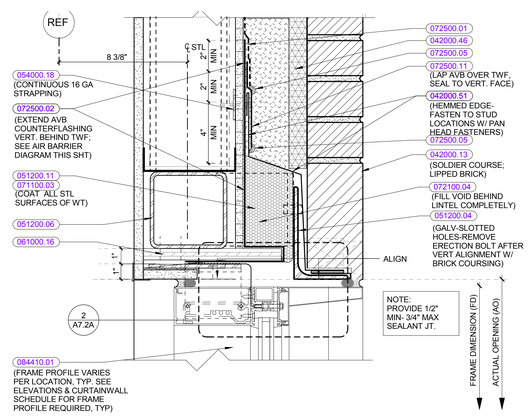


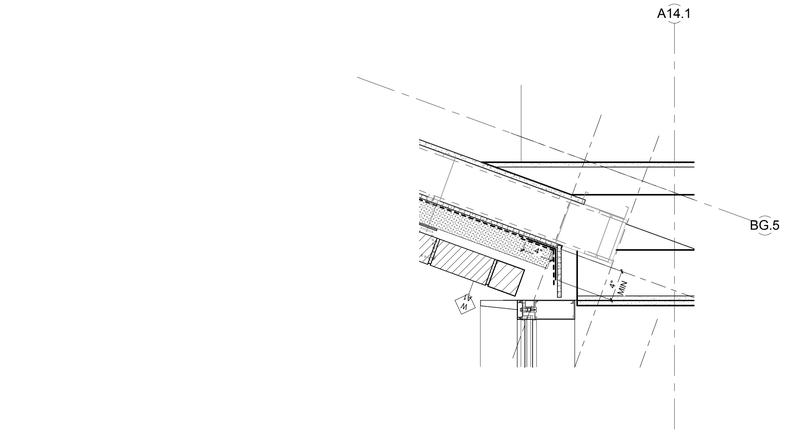
TYP. CURTAINWALL PRECAST SILL DETAIL 5
3" = 1'-0"



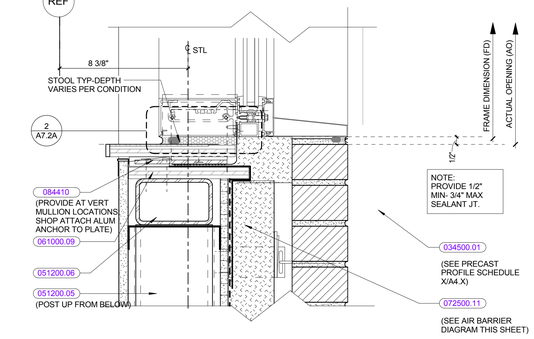
SECTION DETAIL @ ROOF EDGE OF BRICK WALL 1
3" = 1'-0"



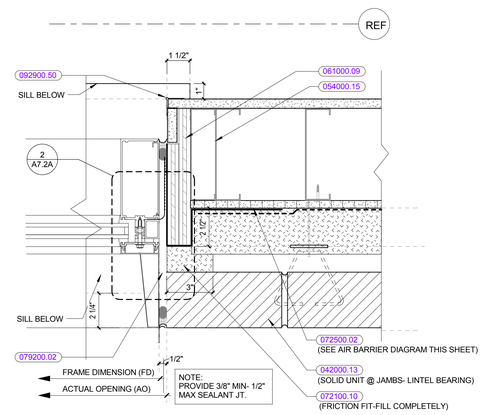
TYPICAL SECTION DETAIL @ HEAD-CURTAINWALL 2
3" = 1'-0"



PLAN DETAIL @ COURTYARD CURTAIN WALL AT OBTUSE ANGLE 6
1 1/2" = 1'-0"



TYPICAL DETAIL @ WINDOW SILL W/ STRUCTURAL SUPPORT 3
3" = 1'-0"

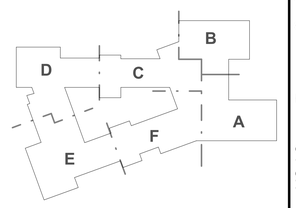


TYPICAL PLAN DETAIL @ JAMB- CURTAINWALL 4
3" = 1'-0"

KEYNOTE LIST

034500.01	PRECAST CONCRETE SILL
042000.13	SOLID MASONRY UNIT
042000.46	CAVITY DRAINAGE MATERIAL
042000.51	THROUGH-WALLSHEET METAL FLASHING
051200.04	STEEL ANGLE
051200.05	STEEL CHANNEL
051200.06	STEEL TUBE
051200.11	STEEL WT
051200.12	THERMAL ISOLATION BREAK WASHER/ PLATE
051200.14	THREADED ROD STUDS W/TH NUT WASHER
054000.15	BUILT-UP JAMB
054000.18	LGMF STRAPPING AS REQUIRED
061000.02	2X CONTINUOUS WOOD FRAMING LUMBER
061000.07	1/2" PLYWOOD
061000.09	3/4" PLYWOOD
061000.10	1/2" PLYWOOD SHEATHING
061000.16	WOOD BLOCKING, SIZE AS REQUIRED
071100.03	MASTIC COATING OF STEEL
072100.01	RIGID THERMAL INSULATION
072100.04	SPRAY FOAM INSULATION/SEALANT
072100.10	MINERAL WOOL INSULATION
072500.01	AIR BARRIER FIELD MEMBRANE
072500.02	AIR BARRIER MEMBRANE STRIP
072500.05	SILICONE SEALANT
072500.08	SPRAY FOAM SEALANT
072500.11	COUNTER FLASHING STRIP
072500.12	FLUID APPLIED AIR BARRIER
075300.01	MEMBRANE ROOFING
075300.03	TAPERED ROOF INSULATION
075300.10	VAPOR RETARDER
075300.12	LAP SEALANT
075400	THERMOPLASTIC MEMBRANE ROOFING
076200.18	CONTINUOUS METAL CLEAT
076200.44	SHEET METAL GRAVEL STOP & FASCIA
076200.45	SHEET METAL FASCIA W/ DRIP EDGE
078100.01	SPRAYED FIREPROOFING
079200.02	EXTERIOR SEALANT AND BACKEROD
084410	GLAZED ALUMINUM CURTAIN WALLS
084410.01	ALUMINUM CURTAIN WALL SYSTEM
092900.50	CORNER BEAD

KEYPLAN



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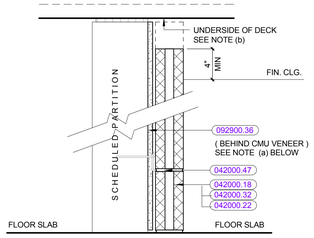
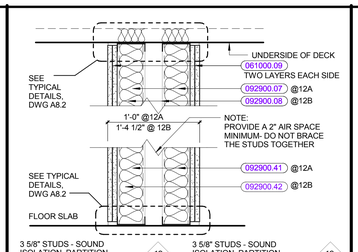


NOTE:
(a) AT PARTITIONS WITH CMU VENEER REPLACE OUTER GWB LAYER OF SCHEDULED PARTITION TYPE WITH BACKER BOARD BEHIND CMU AS PER DIAGRAM ABOVE

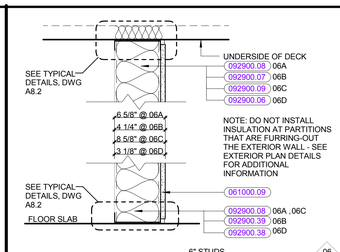
(b) PROVIDE CMU TO UNDERSIDE OF DECK IN ROOMS WITHOUT A SCHEDULED CEILING

(C) SEE WALL SECTIONS & INTERIOR ELEVATIONS FOR EXTENT OF ACOUSTIC CMU REQUIRED

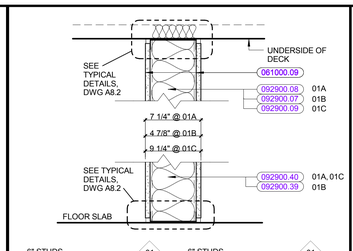
4" NOMINAL CMU VENEER CENTER SCORED — 21 A



3 5/8" STUDS - SOUND ISOLATION PARTITION STC 64-66 UL U420 — 12 A
3 5/8" STUDS - SOUND ISOLATION PARTITION STC 64-66 — 12 A
6" STUDS - SOUND ISOLATION PARTITION STC 65-67 — 12 B
6" STUDS - SOUND ISOLATION PARTITION STC 65-67 — 12 B



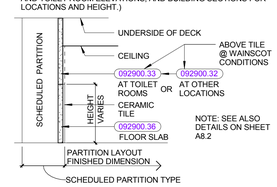
6" STUDS — 06 A
3 5/8" STUDS — 06 B
2 1/2" STUDS — 06 D
8" STUDS — 06 C



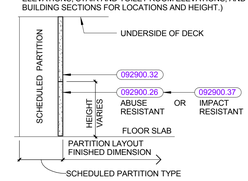
6" STUDS STC 48-50 UL U419 — 01 A
6" STUDS STC 48-50 — 01 A
3 5/8" STUDS STC 43-45 UL U419 — 01 B
3 5/8" STUDS STC 43-45 — 01 B
8" STUDS STC 46-48 UL U419 — 01 C
8" STUDS STC 46-48 — 01 C

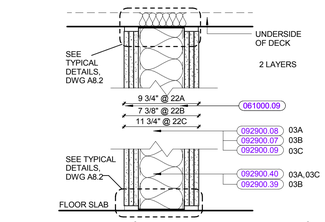
GENERAL NOTES-PARTITION TYPES

1. REFER TO THE BUILDING CODE REVIEW SHEET AND FLOOR PLANS FOR LOCATION OF FIRE RATED SPACES, FIRE SEPARATION WALLS, AND FIREWALLS.
2. EXTEND ALL PARTITION CONSTRUCTION TO THE UNDERSIDE OF STRUCTURE OR FLOOR / ROOF DECK UNLESS NOTED OTHERWISE.
3. AT PARTITIONS WITH CERAMIC TILE, REPLACE OUTER GYPSUM WALL BOARD LAYER OF SCHEDULED PARTITION TYPE WITH BACKER BOARD BEHIND TILE AS PER DIAGRAM BELOW. (REFER TO THE FINISH SCHEDULE, INTERIOR ELEVATIONS, STAIR AND TOILET ROOM ELEVATIONS, AND BUILDING SECTIONS FOR LOCATIONS AND HEIGHT.)

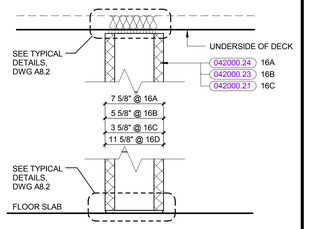


4. AT PARTITIONS WHERE ABUSE OR IMPACT RESISTANT GYPSUM WALL BOARD IS REQUIRED REPLACE OUTER LAYER OF GYPSUM WALL BOARD OF SCHEDULED PARTITION TYPE WITH ABUSE OR IMPACT RESISTANT GYPSUM WALL BOARD AS PER DIAGRAM BELOW. (REFER TO FINISH SCHEDULE, INTERIOR ELEVATIONS, STAIR AND TOILET ROOM ELEVATIONS, AND BUILDING SECTIONS FOR LOCATIONS AND HEIGHT.)

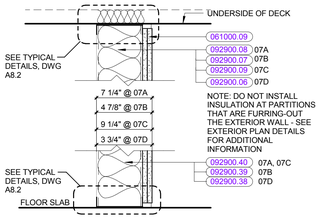




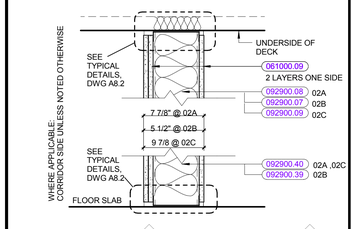
6" STUDS STC 52-54 UL U419 — 22 A
6" STUDS STC 52-54 — 22 A
3 5/8" STUDS STC 50-52 UL U419 — 22 B
3 5/8" STUDS STC 50-52 — 22 B
8" STUDS STC 52-54 UL U419 — 22 C
8" STUDS STC 52-54 — 22 C



8" NOMINAL CMU STC 48-50; UL U906 — 16 A
8" NOMINAL CMU STC 48-50 — 16 A
6" NOMINAL CMU STC 44-46 — 16 B
6" NOMINAL CMU STC 44-46 — 16 B
12" NOMINAL CMU STC 40-42 — 16 D
4" NOMINAL CMU STC 40-42 — 16 C



6" STUDS — 07 A
3 5/8" STUDS — 07 B
2 1/2" STUDS — 07 D
8" STUDS — 07 C



6" STUDS STC 50-52 UL U419 — 02 A
6" STUDS STC 50-52 — 02 A
3 5/8" STUDS STC 47-49 UL U419 — 02 B
3 5/8" STUDS STC 47-49 — 02 B
8" STUDS STC 49-51 UL U419 — 02 C
8" STUDS STC 49-51 — 02 C

PARTITION TYPES LEGEND

(SEE SHEET A0.1 FOR ADDITIONAL SYMBOL DESIGNATIONS)

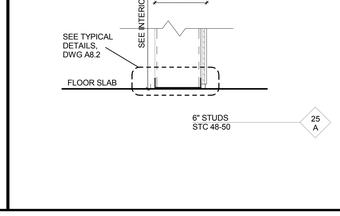
NON RATED PARTITION — XX X

ONE HOUR RATED PARTITION — XX X

TWO HOUR RATED PARTITION — XX X

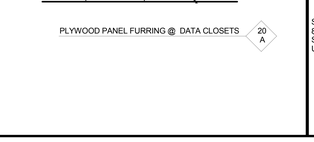
KEYNOTE LIST

042000.18	4" X 8" X 16" CENTER SCORED CMU
042000.21	2" X 8" X 16" CMU
042000.22	4" X 8" X 16" CMU
042000.23	6" X 8" X 16" CMU
042000.24	8" X 8" X 16" CMU
042000.32	4" X 8" X 16" ACOUSTICAL CMU
042000.47	MASONRY TIE AND ANCHOR
061000.08	5/8" PLYWOOD
061000.09	3/4" PLYWOOD
061000.15	CONTINUOUS WOOD BLOCKING, SIZE AS REQUIRED
092900.06	2-1/2" STUDS
092900.07	3-5/8" STUDS
092900.08	6" STUDS
092900.09	8" STUDS
092900.10	2-1/2" SHAFTWALL STUDS
092900.11	4" SHAFTWALL STUDS
092900.13	7/8" HAT-SHAPED RIGID FURRING CHANNEL
092900.26	5/8" ABUSE RESISTANT GYPSUM BOARD
092900.32	5/8" FIRE-RESISTANT GYPSUM BOARD
092900.33	5/8" MOISTURE-RESISTANT GYPSUM BOARD
092900.35	1" SHAFTWALL LINER BOARD
092900.36	5/8" TILE BACKER BOARD
092900.37	5/8" HIGH-IMPACT GYPSUM BOARD
092900.38	2-1/2" (MIN) GLASS FIBER BLANET INSULATION
092900.39	3-1/2" (MIN) GLASS FIBER BLANKET INSULATION
092900.40	6" (MIN) GLASS FIBER BLANKET INSULATION
092900.41	3" (MIN) MINERAL WOOL INSULATION
092900.42	6" (MIN) MINERAL WOOL INSULATION
099000.01	PAINT FINISH

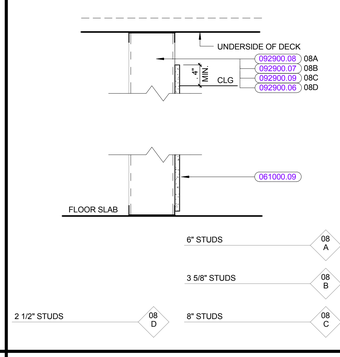


4" SHAFTWALL SYSTEM 2 HR RATED SHAFT SYSTEM UL U415 — 23 A

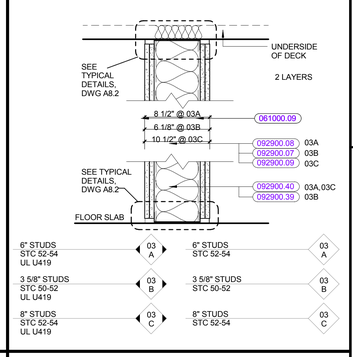
2 1/2" SHAFTWALL SYSTEM 2 HR RATED SYSTEM UL U415 — 23 B



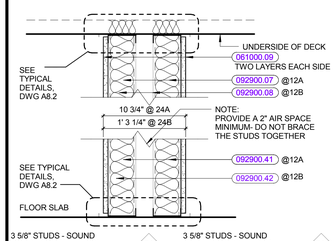
7/8" FURRED WALL — 18 A



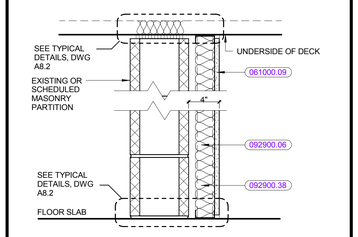
6" STUDS — 08 A
3 5/8" STUDS — 08 B
2 1/2" STUDS — 08 D
8" STUDS — 08 C



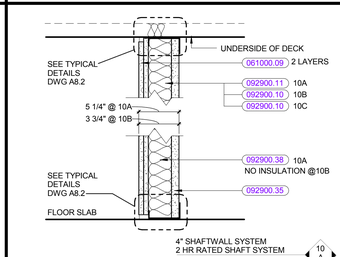
6" STUDS STC 52-54 UL U419 — 03 A
6" STUDS STC 52-54 — 03 A
3 5/8" STUDS STC 50-52 UL U419 — 03 B
3 5/8" STUDS STC 50-52 — 03 B
8" STUDS STC 52-54 UL U419 — 03 C
8" STUDS STC 52-54 — 03 C



3 5/8" STUDS - SOUND ISOLATION PARTITION STC 64-66 UL U420 — 24 A
3 5/8" STUDS - SOUND ISOLATION PARTITION STC 64-66 — 24 A
6" STUDS - SOUND ISOLATION PARTITION STC 65-67 — 24 B
6" STUDS - SOUND ISOLATION PARTITION STC 65-67 — 24 B



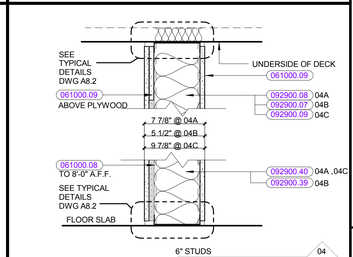
FURRED OUT MASONRY WALL STC 53-55 — 19 A



4" SHAFTWALL SYSTEM 2 HR RATED SHAFT SYSTEM UL U415 — 10 A

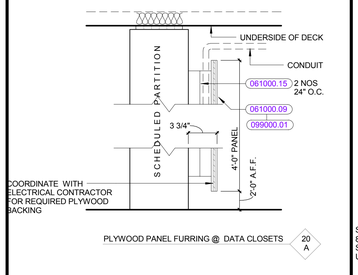
2 1/2" SHAFTWALL SYSTEM 2 HR RATED SYSTEM UL U415 — 10 B

6" SHAFTWALL SYSTEM 2 HR RATED SYSTEM UL U415 — 10 C

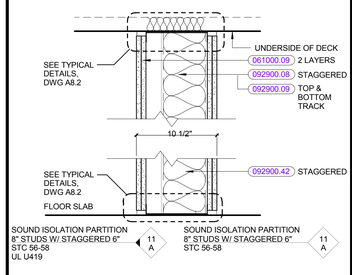


6" STUDS STC 50-52 — 04 A
3 5/8" STUDS STC 47-49 — 04 B
8" STUDS STC 49-51 — 04 C

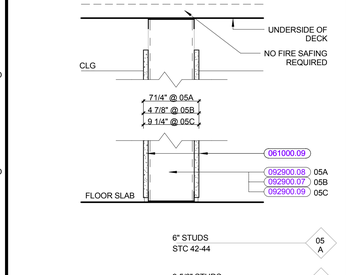
6" STUDS STC 48-50 — 25 A



PLYWOOD PANEL FURRING @ DATA CLOSETS — 20 A



SOUND ISOLATION PARTITION 8" STUDS W/ STAGGERED 6" STC 56-58 UL U419 — 11 A
SOUND ISOLATION PARTITION 8" STUDS W/ STAGGERED 6" STC 56-58 — 11 A



6" STUDS STC 42-44 — 05 A
3 5/8" STUDS STC 39-41 — 05 B
8" STUDS STC 43-45 — 05 C

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Partition Types

SCALE: 1 1/2" = 1'-0" | DRAWN BY: DEC | CHECKED BY: AD / MM

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A8.1

JOB NUMBER 403114

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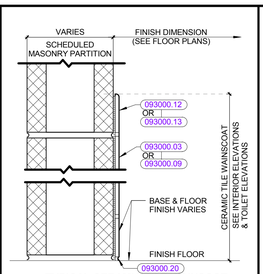
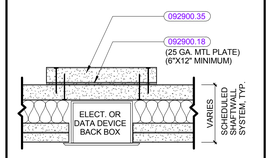
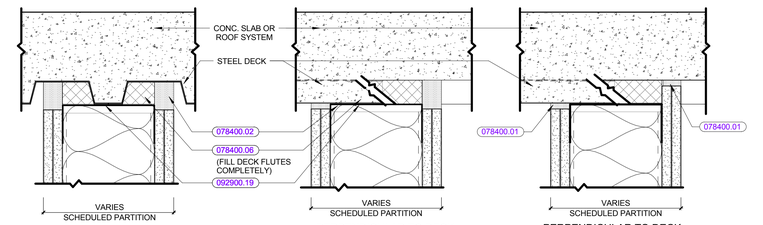


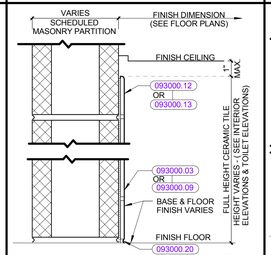
TYPICAL CERAMIC TILE WAINSCOT 20
MASONRY PARTITION



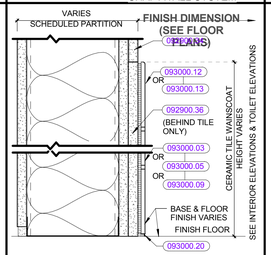
TYPICAL PLAN DETAIL @ JUNCTION BOX 14
SHAFTWALL SYSTEM



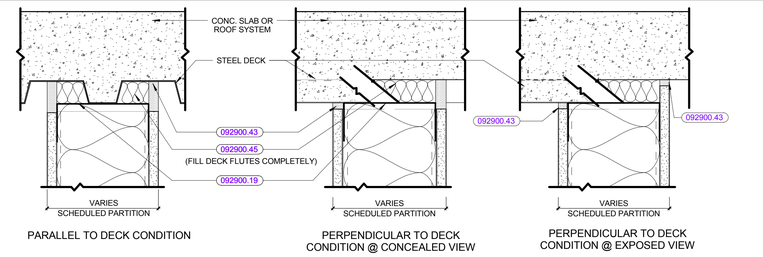
TYPICAL FIRE SAFING SYSTEM DETAILS 1
HEAD OF FIRE RATED AND SMOKE PARTITIONS



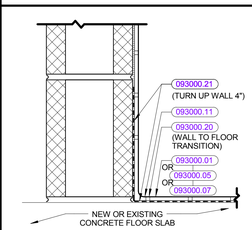
TYPICAL FULL HEIGHT CERAMIC TILE FINISH 21
MASONRY PARTITION



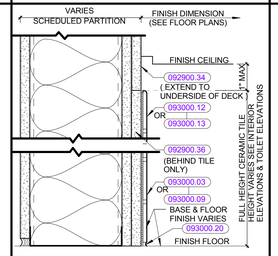
TYPICAL CERAMIC TILE WAINSCOT 15
STUD PARTITION



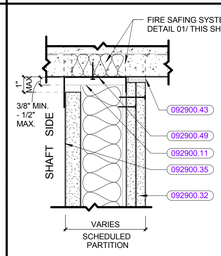
TYPICAL ACOUSTIC SEAL SYSTEM DETAILS 2
HEAD OF NON FIRE-RATED PARTITIONS



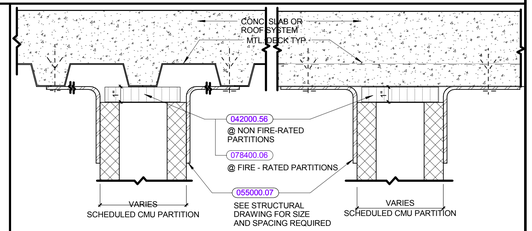
TYPICAL DETAIL @ CERAMIC TILE BASE 22
THIN SET FLOOR TILE



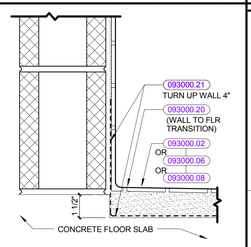
TYPICAL FULL HEIGHT CERAMIC TILE FINISH 16



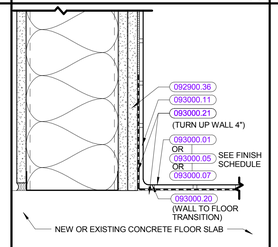
TYPICAL HEAD DETAIL @ SHAFTS 10



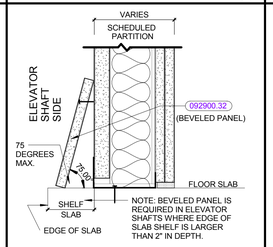
TYPICAL ACOUSTICAL SEAL DETAILS @ FLOOR/ROOF DECK 03
HEAD OF FIRE RATED OR NON FIRE-RATED CMU PARTITION



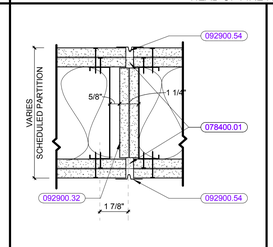
TYPICAL DETAIL @ CERAMIC TILE BASE 23
THICK SET FLOOR TILE



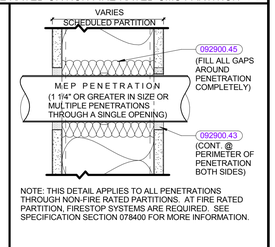
TYPICAL BASE DETAIL @ THIN SET TILE 17
THIN SET FLOOR TILE



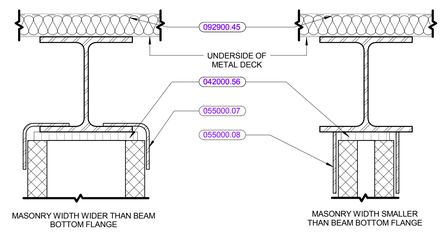
TYPICAL BASE DETAIL @ SHAFTS 11
SHAFTWALL STUD SYSTEM



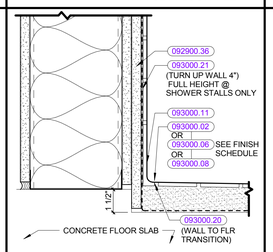
TYPICAL PLAN DETAIL @ CONTROL JOINT 07
FIRE - RATED STUD PARTITION



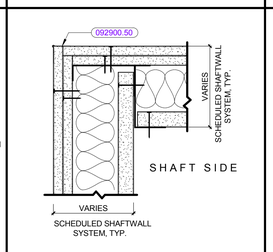
TYPICAL DETAIL @ PENETRATIONS THRU METAL STUD PARTITIONS 04
NON FIRE-RATED PARTITIONS



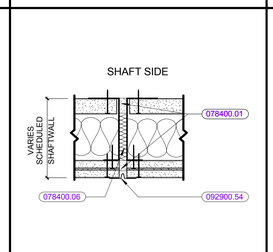
TYPICAL HEAD DETAIL @ MASONRY PARTITION CENTERED ON BEAM 24



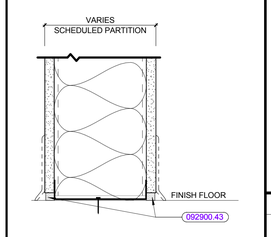
TYPICAL DETAIL @ CERAMIC TILE BASE 18
THICK SET FLOOR TILE



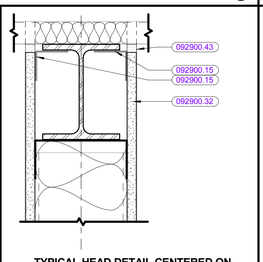
TYPICAL PLAN DETAIL @ CORNER CONDITION 12
SHAFTWALL STUD SYSTEM



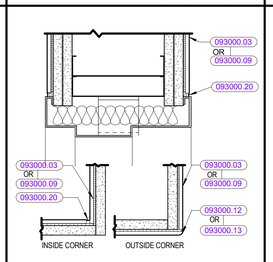
TYPICAL PLAN DETAIL @ CONTROL JOINT 08
SHAFTWALL SYSTEM



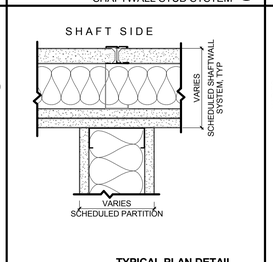
TYPICAL BASE DETAIL @ STUD PARTITION 05
NON FIRE-RATED & FIRE - RATED PARTITIONS



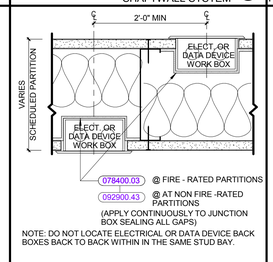
TYPICAL HEAD DETAIL CENTERED ON BEAM 25



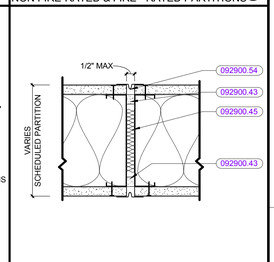
TYPICAL CERAMIC TILE TRANSITIONS 19



TYPICAL PLAN DETAIL @ SHAFTWALL/PARTITION INTERSECTION 13
STUD PARTITION TO SHAFTWALL SYSTEM



TYPICAL PLAN DETAIL @ JUNCTION BOX 09
STUD PARTITION



TYPICAL PLAN DETAIL @ CONTROL JOINT 06
NON FIRE -RATED STUD PARTITION

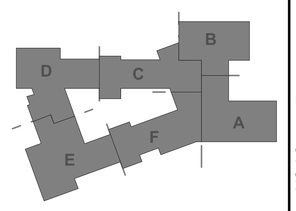
GENERAL NOTES-INTERIOR DETAILS

SEE A8.1 FOR GENERAL NOTES

KEYNOTE LIST

042000.56	COMPRESSIBLE FILLER
055000.07	MASONRY WALL LATERAL SUPPORT ANGLE
055000.08	MASONRY WALL LATERAL SUPPORT PLATE
078400.01	FIRESTOP SEALANT
078400.02	FIRESTOP FILL MATERIAL
078400.03	FIRESTOP PUTTY
078400.06	FIRE SAFING INSULATION
092900.11	4" SHAFTWALL STUDS
092900.15	STEEL ANGLE (SAME GAUGE AS STUD FRAMING)
092900.18	LIGHT GUAGE STEEL FLAT PLATE
092900.19	DEEP-LEG DEFLECTION TRACK
092900.32	5/8" FIRE-RESISTANT GYPSUM BOARD
092900.34	5/8" FIRE AND MOISTURE-RESISTANT GYPSUM BOARD
092900.35	1" SHAFTWALL LINER BOARD
092900.36	5/8" TILE BACKER BOARD
092900.43	ACOUSTICAL SEALANT
092900.45	BLANKET INSULATION, THICKNESS AS REQUIRED
092900.49	STEEL J-RUNNER
092900.50	CORNER BEAD
092900.54	CONTROL JOINT
093000.01	THIN SET CERAMIC MOSAIC FLOOR TILE
093000.02	THICK BED CERAMIC MOSAIC FLOOR TILE
093000.03	THIN SET CERAMIC WALL TILE
093000.05	THIN SET PORCELAIN FLOOR TILE
093000.06	THICK BED PORCELAIN FLOOR TILE
093000.07	THIN SET QUARRY FLOOR TILE
093000.08	THICK BED QUARRY FLOOR TILE
093000.09	THIN SET FEATURE WALL TILE
093000.11	COVE BASE
093000.12	BULLNOSE WALL TILE
093000.13	BULLNOSE FEATURE WALL TILE
093000.20	SEALANT
093000.21	WATERPROOFING MEMBRANE

KEYPLAN



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A8.2A

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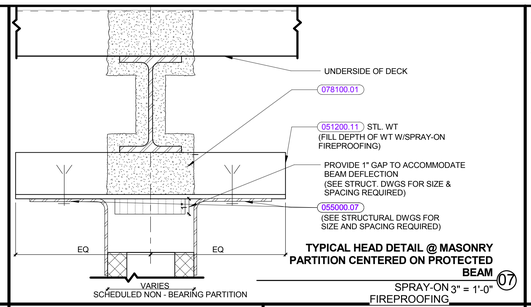
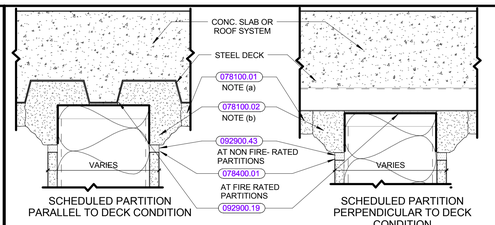


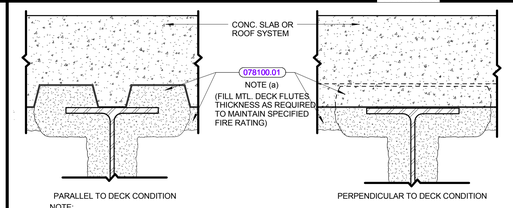
TYPICAL HEAD DETAIL @ MASONRY PARTITION CENTERED ON PROTECTED BEAM 07
SPRAY-ON FIREPROOFING 3" = 1'-0"



NOTES:
a) SEE FLOOR PLAN GENERAL NOTES FOR EXTENT OF SPRAY FIREPROOFING REQUIRED AT UNDERSIDE OF DECK.

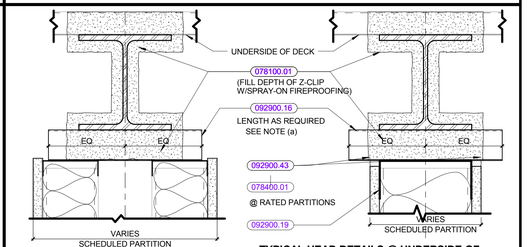
b) PATCH SPRAY ON FIREPROOFING AFTER STUD TRACK BUTBEFORE INSTALLATION OF GYPSUM BOARD.

TYPICAL HEAD DETAILS WITH RATED / ACOUSTICAL SEAL CONDITIONS @ DECK 01
HEAD OF FIRE RATED & NON-RATED PARTITIONS 3" = 1'-0"



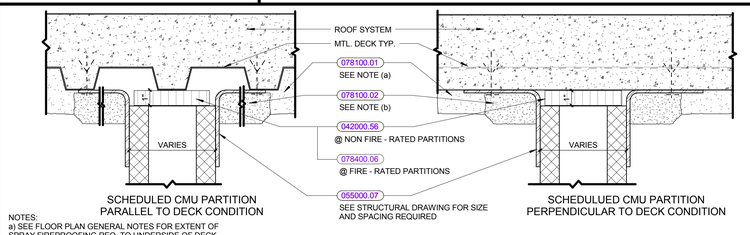
NOTE:
a) SEE FLOOR PLAN GENERAL NOTES FOR EXTENT OF SPRAY FIREPROOF REQUIRED AT UNDERSIDE OF DECK

TYPICAL SPRAY-ON FIREPROOFING DETAIL @ BEAM/DECK 02
HEAD OF BEAM FLANGE



NOTE:
a) PROVIDE Z CLIPS AT 1'-0" O.C. SET Z CLIP PRIOR TO APPLYING FIREPROOFING.

TYPICAL HEAD DETAILS @ UNDERSIDE OF BEAM 03
SPRAY-ON FIREPROOFING

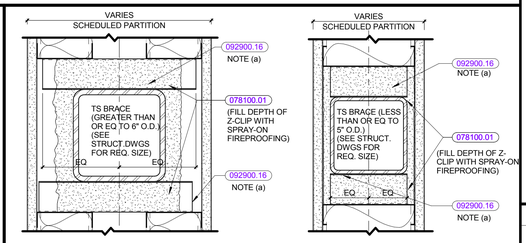


NOTES:
a) SEE FLOOR PLAN GENERAL NOTES FOR EXTENT OF SPRAY FIREPROOFING REQ. TO UNDERSIDE OF DECK.

b) SELECTIVELY REMOVE SPRAY - ON FIRE PROOFING PRIOR TO INSTALLATION OF SUPPORT ANGLES

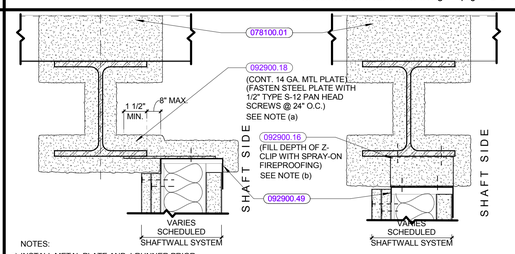
C) PATCH SPRAY ON FIREPROOFING AFTER INSTALLATION OF SUPPORT ANGLES.

TYPICAL HEAD DETAILS W/ RATED / ACOUSTICAL SEAL CONDITIONS @ DECK 04
HEAD OF FIRE- RATED CMU PARTITIONS 3" = 1'-0"



NOTE:
a) PROVIDE Z-CLIPS AT 1'-0" O.C. FILL DEPTH Z CLIPS WITH SPRAY ON FIREPROOFING. SET Z CLIP PRIOR TO APPLYING FIREPROOFING.

TYPICAL DETAIL @ STRUCTURAL BRACING 05
SPRAY-ON FIREPROOFING 3" = 1'-0"



NOTES:
a) INSTALL METAL PLATE AND J-RUNNER PRIOR TO INSTALLING SPRAY-ON FIREPROOFING
b) PROVIDE Z CLIPS AT 1'-0" O.C. SET Z CLIP PRIOR TO APPLYING FIREPROOFING.

TYPICAL SHAFTWALL HEAD DETAIL @ UNDERSIDE OF PROTECTED BEAM 06
BOTTOM OF BEAM FLANGE / HEAD OF PARTITION

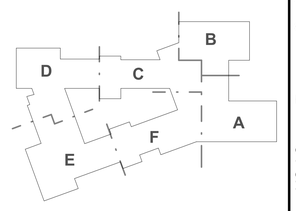
GENERAL NOTES - INTERIOR DETAILS

SEE A8.1 FOR GENERAL NOTES

KEYNOTE LIST

042000.56	COMPRESSIBLE FILLER
051200.11	STEEL WT
055000.07	MASONRY WALL LATERAL SUPPORT ANGLE
078100.01	SPRAYED FIREPROOFING
078100.02	TROWEL-GRADE FIREPROOFING
078400.01	FIRESTOP SEALANT
078400.06	FIRE SAFING INSULATION
092900.16	Z-FURRING CHANNEL
092900.18	LIGHT GUAGE STEEL FLAT PLATE
092900.19	DEEP-LEG DEFLECTION TRACK
092900.43	ACOUSTICAL SEALANT
092900.49	STEEL J-RUNNER

KEYPLAN



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JOB NUMBER 403114

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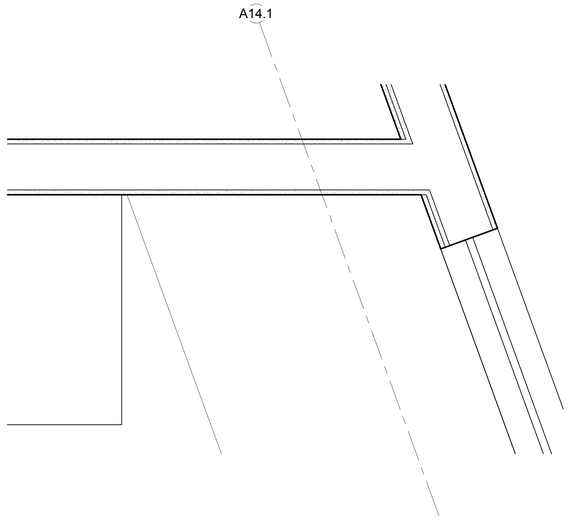
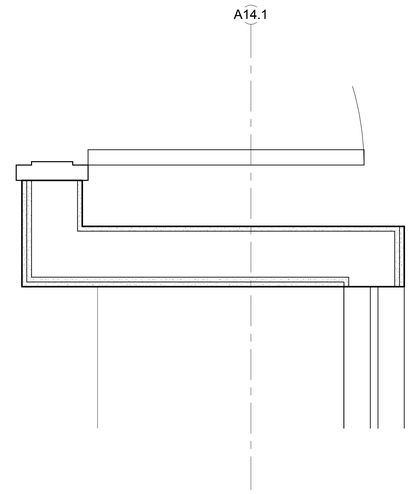


MARKETING 1 (12)
1 1/2" = 1'-0"



MARKETING 2 (13)
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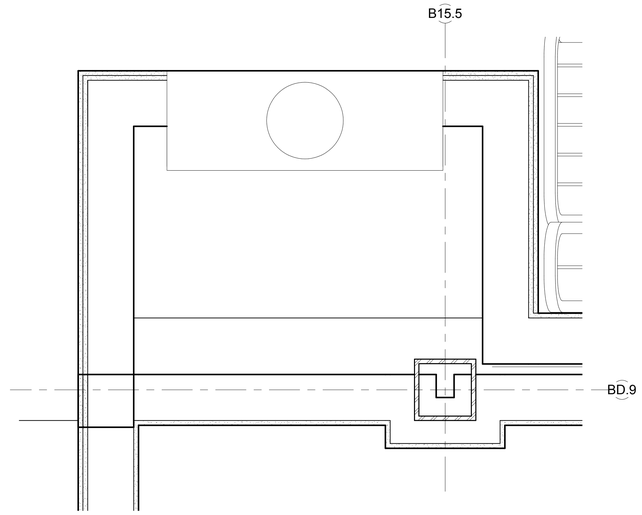

GYM DISPLACEMENT DIFFUSER 1 (1)
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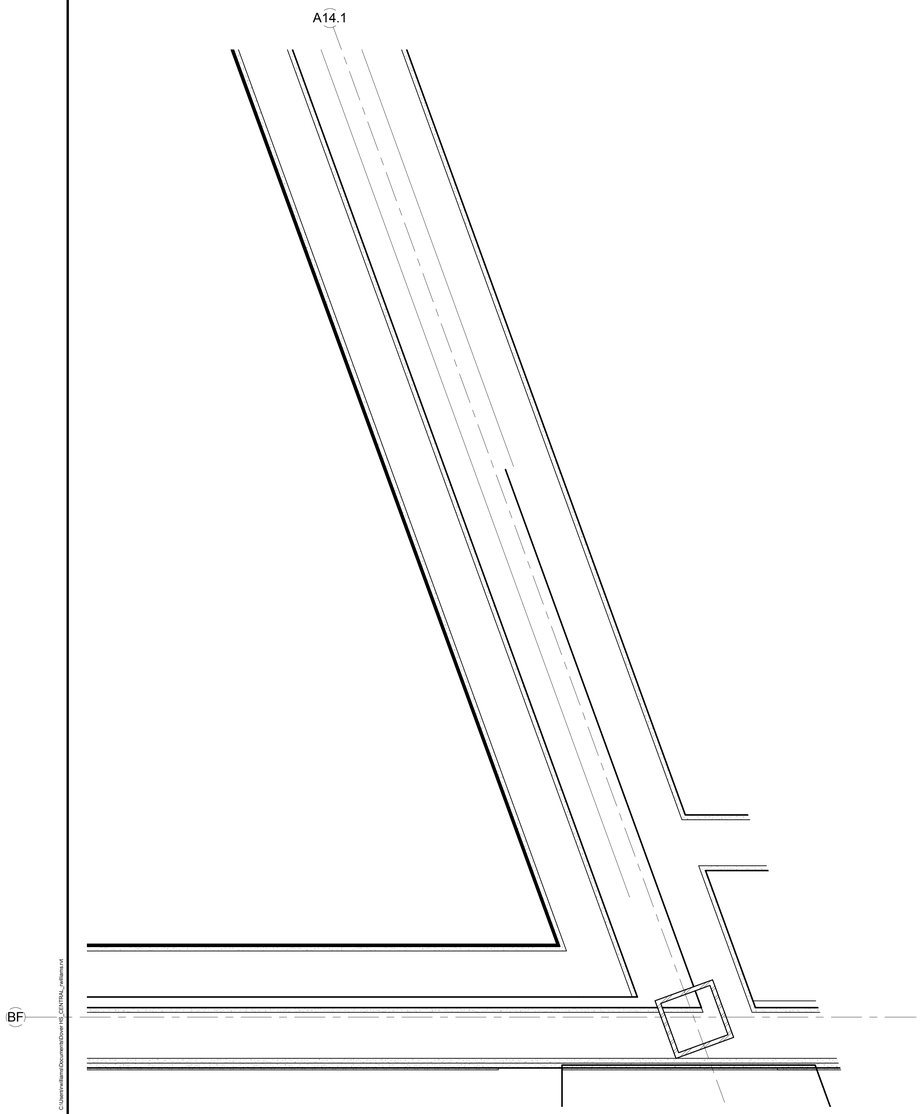
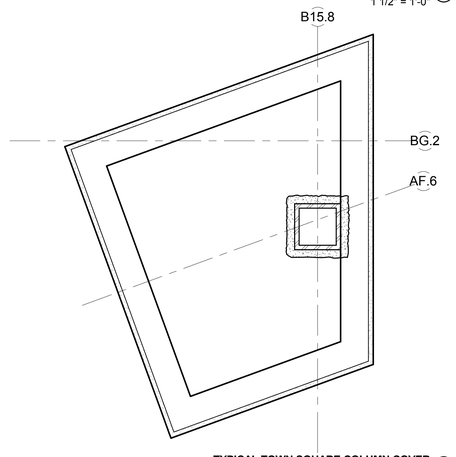
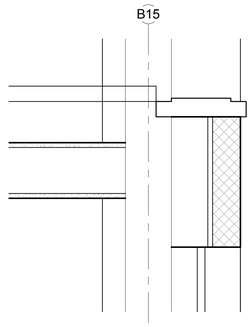


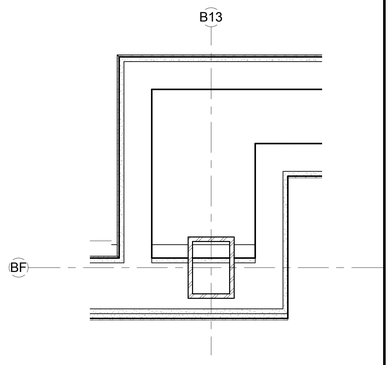
S 2-0 Hold Open 1 (4)
1 1/2" = 1'-0"



TYPICAL TOWN SQUARE COLUMN COVER (10)
1 1/2" = 1'-0"

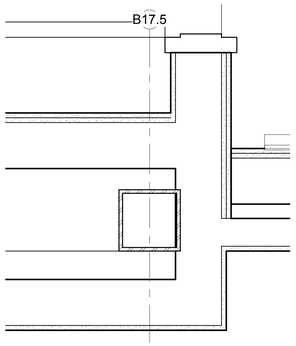


DOOR @ CMU (7)
1 1/2" = 1'-0"

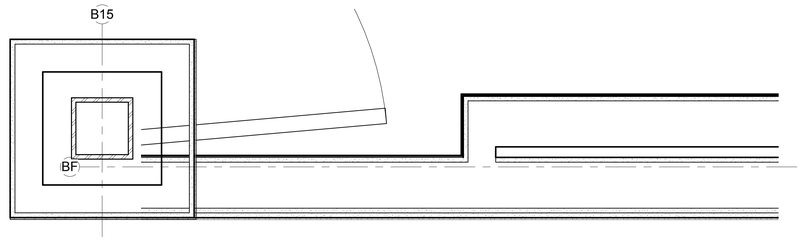


3 HR FIRE RATED COLUMN (9)
1 1/2" = 1'-0"

DISPLAY CASE @ WEIGHT/ CARDIO (8)
1 1/2" = 1'-0"



GYM COLUMN CONDITION 1 (2)
1 1/2" = 1'-0"



TOWN SQUARE COLUMN COVER 2 (11)
1 1/2" = 1'-0"

S 2-0 Hold Open 2 (5)
1 1/2" = 1'-0"

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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Interior Plan Details

SCALE: 1 1/2" = 1'-0" DRAWN BY: CO CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

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A8.2E

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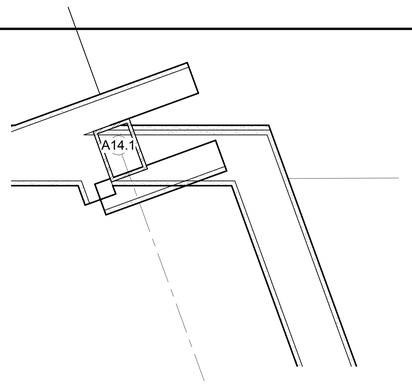

GUIDANCE CORNER (12)
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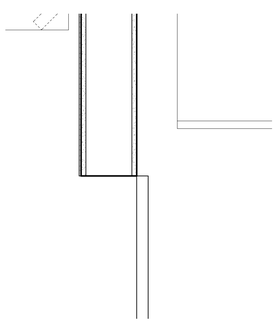
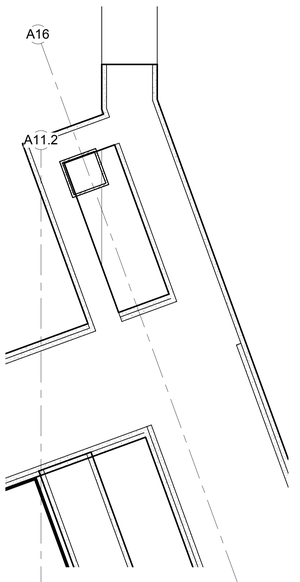
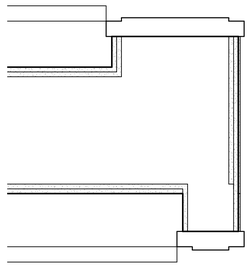


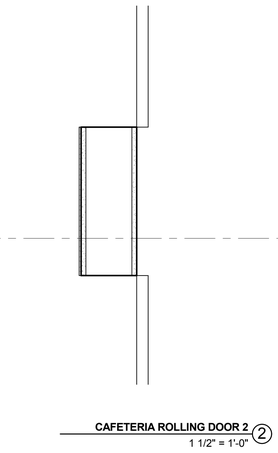
CAFETERIA ROLLING DOOR 1 (1)
1 1/2" = 1'-0"



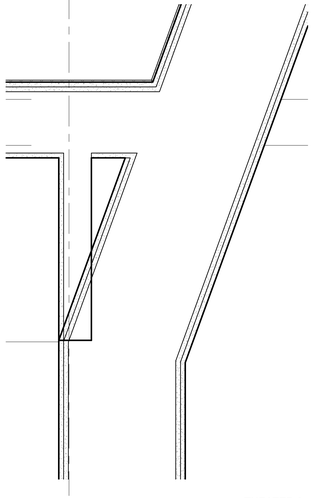
THEATER 1 (4)
1 1/2" = 1'-0"



PRACTICE ROOM 1 (3)
1 1/2" = 1'-0"



CAFETERIA ROLLING DOOR 2 (2)
1 1/2" = 1'-0"



THEATER 2 (5)
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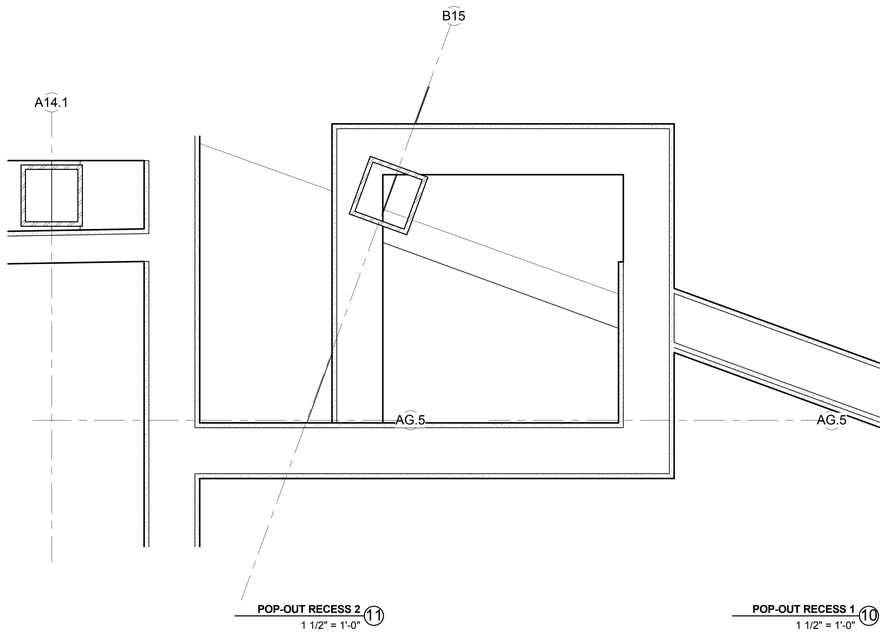
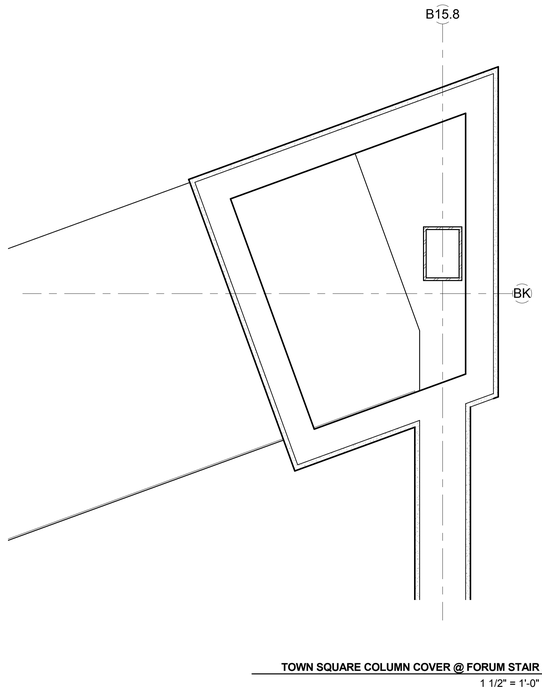
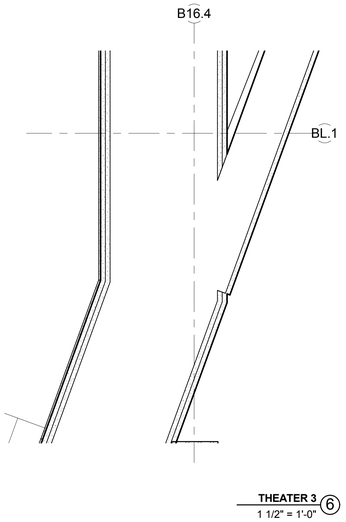


POP-OUT RECESS 2 (11)
1 1/2" = 1'-0"

POP-OUT RECESS 1 (10)
1 1/2" = 1'-0"



TOWN SQUARE COLUMN COVER @ FORUM STAIR (9)
1 1/2" = 1'-0"



THEATER 3 (6)
1 1/2" = 1'-0"

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SCALE: 1 1/2" = 1'-0" DRAWN BY: CO CHECKED BY: Checker

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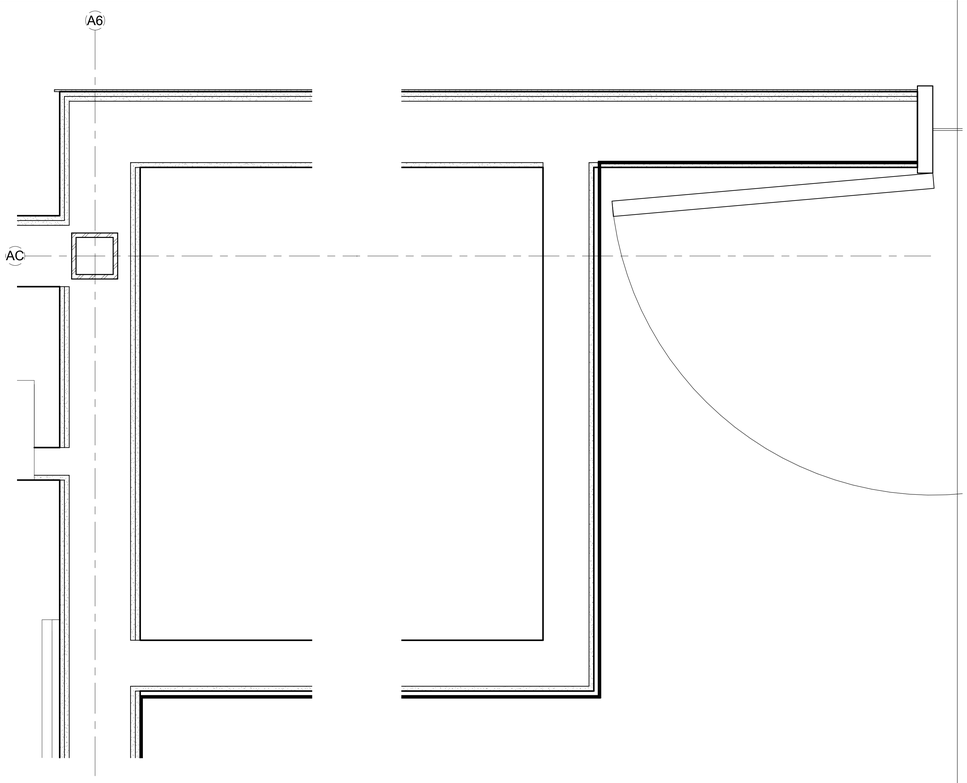

STAIR 5 HOLD OPEN/ CHASE (5)
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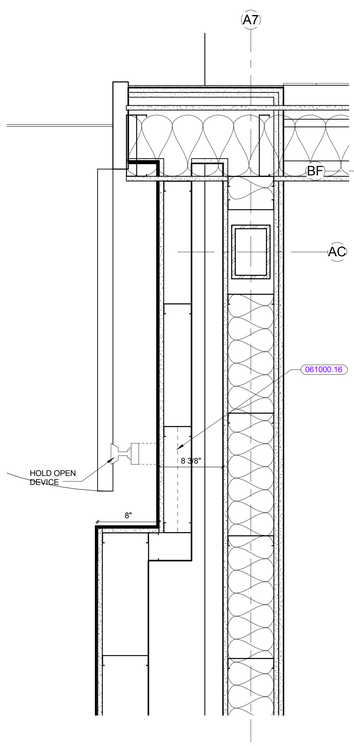
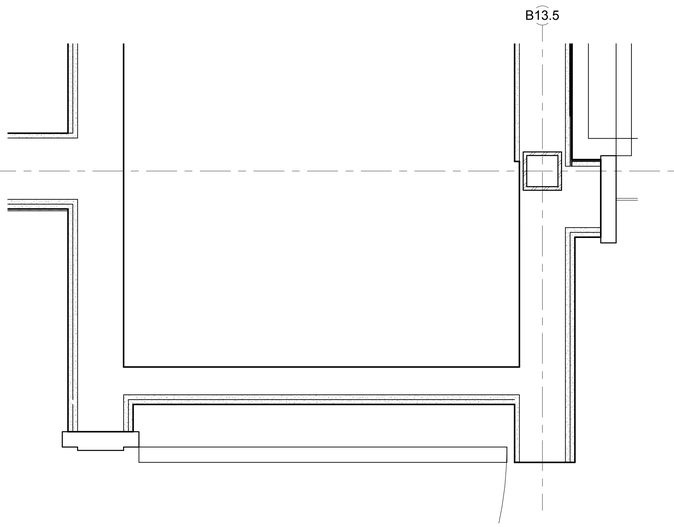


STAIR 5 HOLD OPEN 1 (4)
1 1/2" = 1'-0"



C 2-1 HOLD-OPEN 1 (1)
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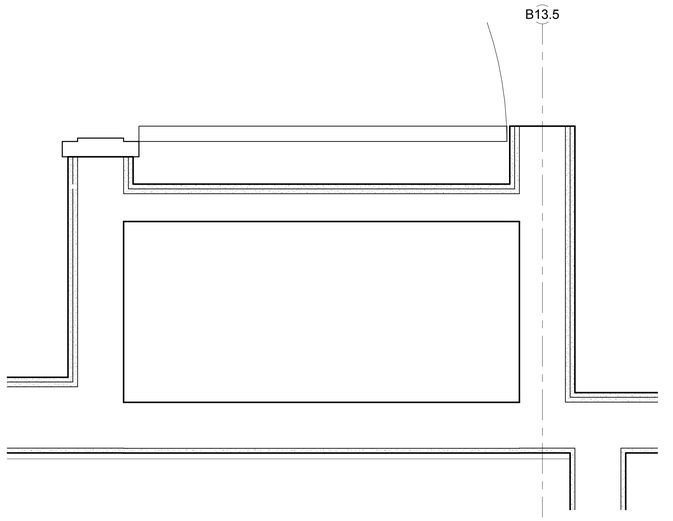

C 2-1 HOLD-OPEN 2 (2)
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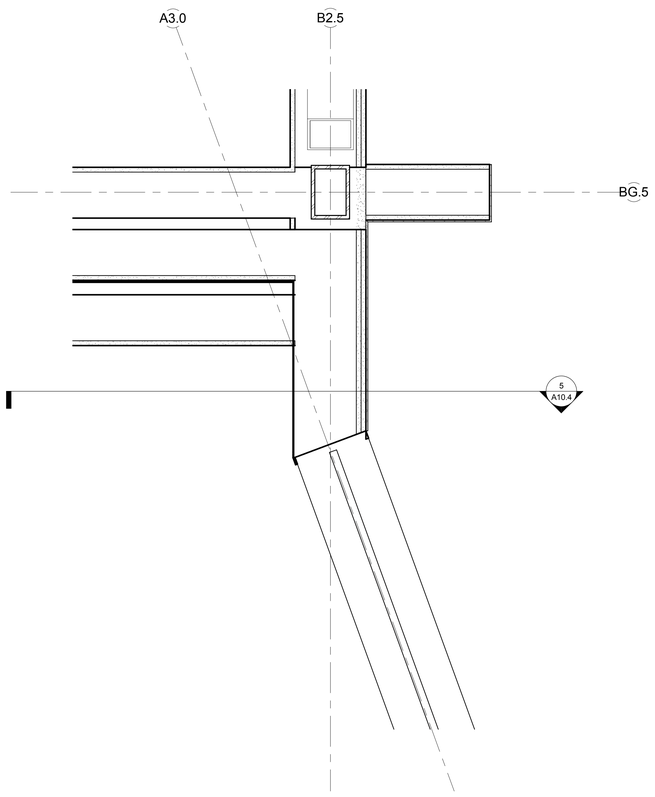

S 4-1 CORNER (8)
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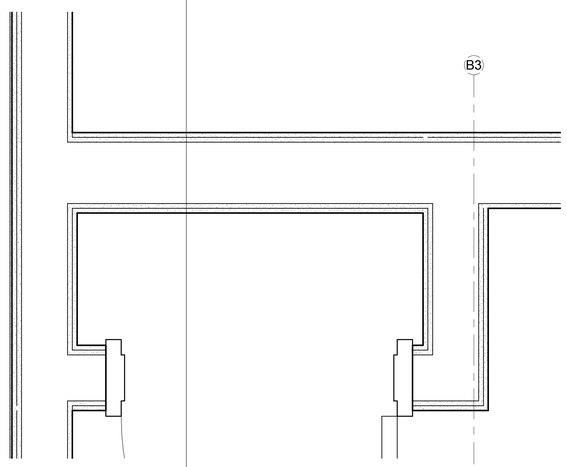

EMERGENCY ELECTRIC - EL (7)
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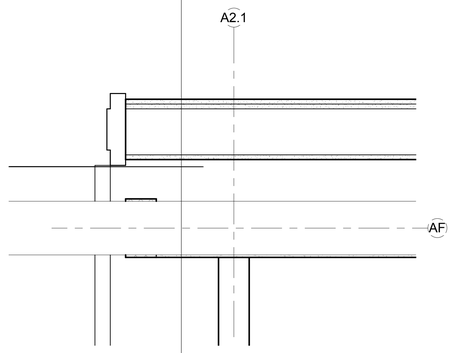

WELDING CORNER (6)
1 1/2" = 1'-0"

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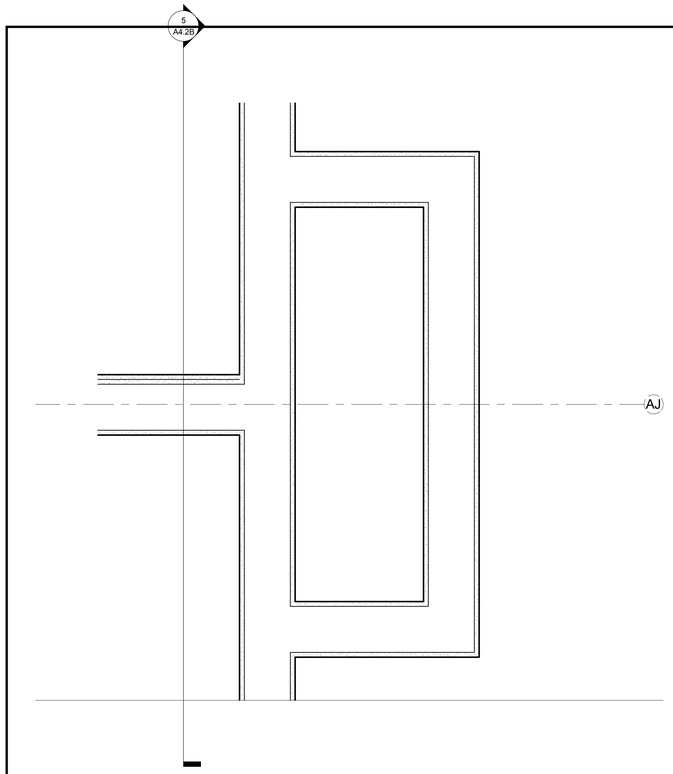

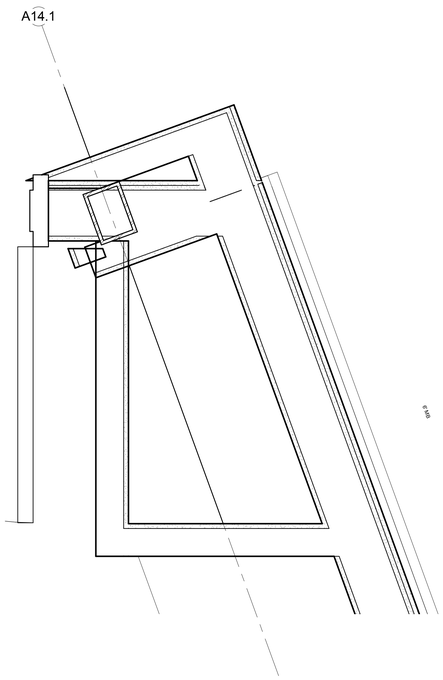

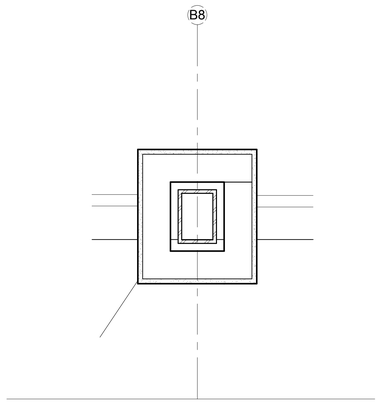

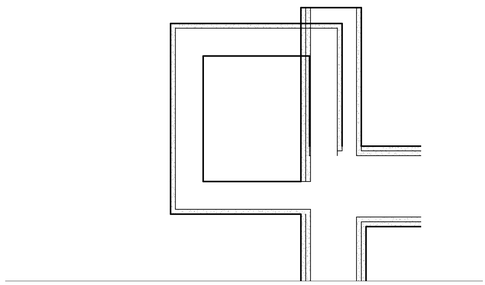

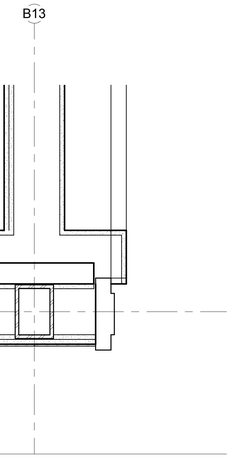

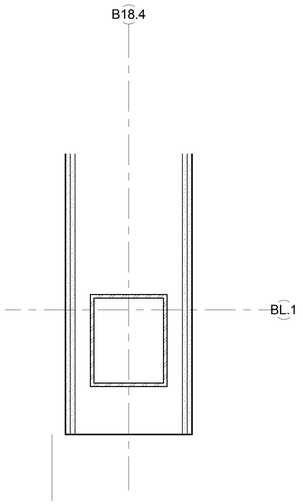

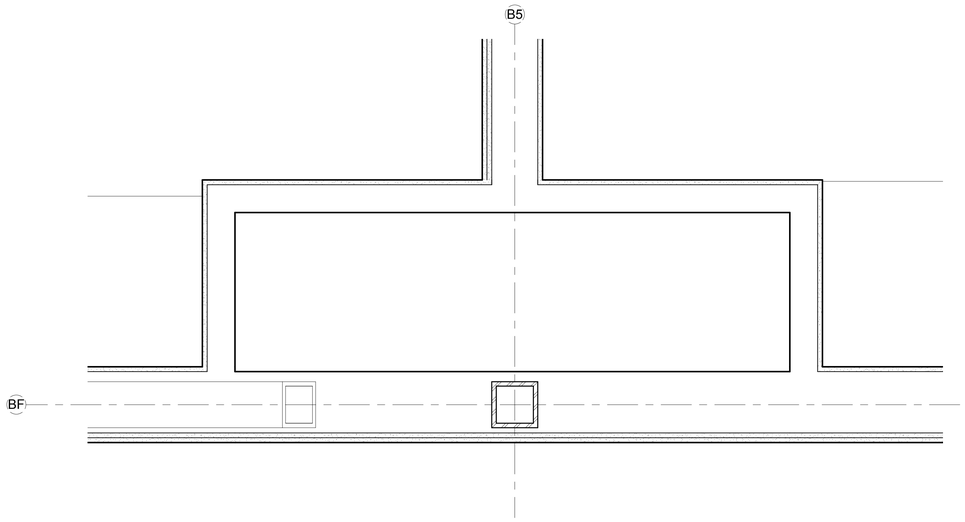

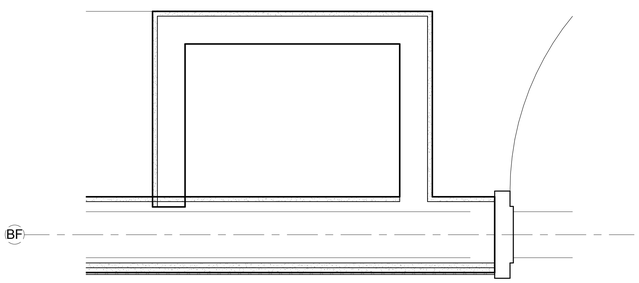

PROSCENIUM OPENING (4)
1 1/2" = 1'-0"

TYP. DOUBLE CLASSROOM DIFFUSER (2)
1 1/2" = 1'-0"

TYP. CLASSROOM DISPLACEMENT DIFFUSER (3)
1 1/2" = 1'-0"

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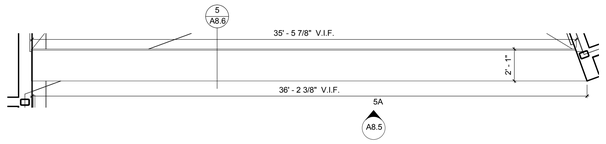
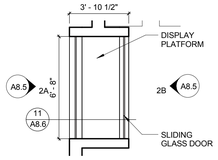
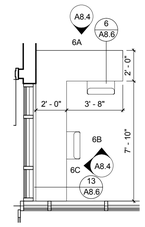


MILLWORK - MEDIA ARTS LC OVERLOOK 16



MILLWORK - MEDIA DISPLAY 11
1/4" = 1'-0"



MILLWORK - CTC DESK 6
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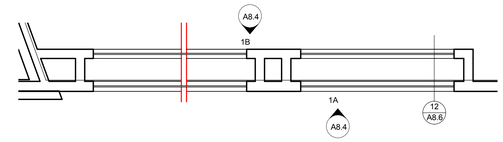

MILLWORK - DISPLAY CASES 1
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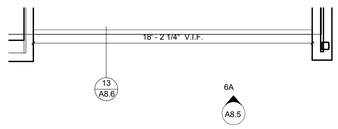
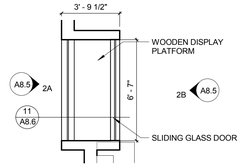


MILLWORK - LEARNING COMMONS 2-1 17



MILLWORK - PHOTOGRAPHY DISPLAY 12
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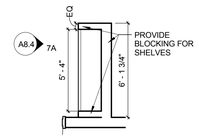
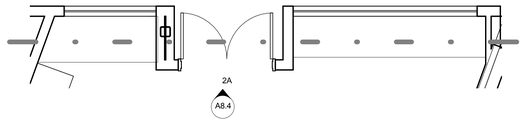


MILLWORK - COSMETOLOGY DISPLAY 7



MILLWORK - STORE DISPLAY PLATFORM 2
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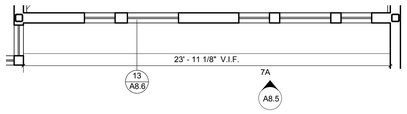
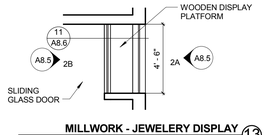


MILLWORK - LEARNING COMMONS 2-2 18



MILLWORK - JEWELERY DISPLAY 13
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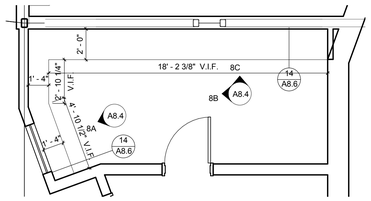
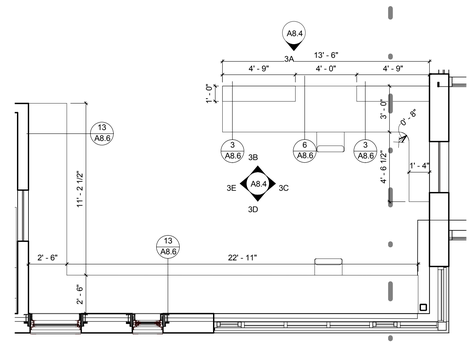
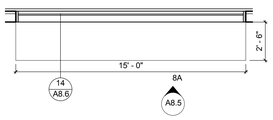


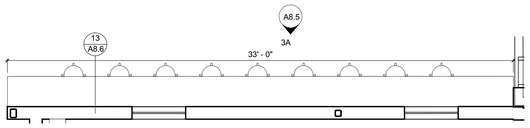
MILLWORK - BOX OFFICE COUNTER 8
1/4" = 1'-0"



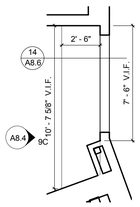
MILLWORK - ADMIN DESK 3
1/4" = 1'-0"



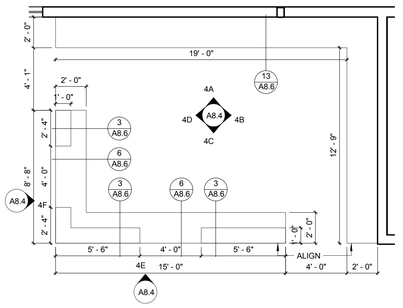
MILLWORK - PROJECTION COUNTER 19



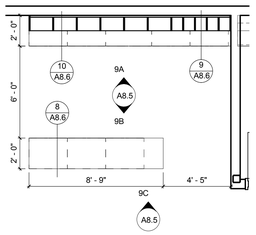
MILLWORK - MEDIA ARTS LC 14
1/4" = 1'-0"



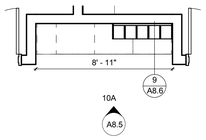
MILLWORK - SOUNDBOOTH COUNTER 9
1/4" = 1'-0"



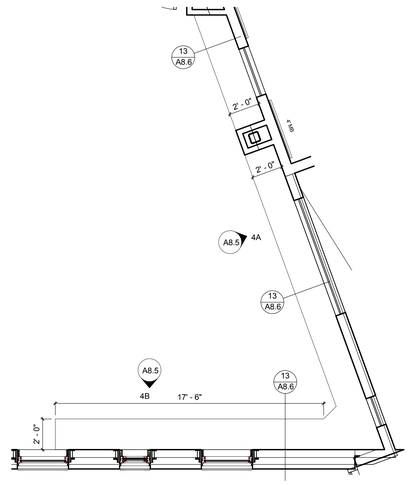
MILLWORK - DEAN'S OFFICE 4
1/4" = 1'-0"



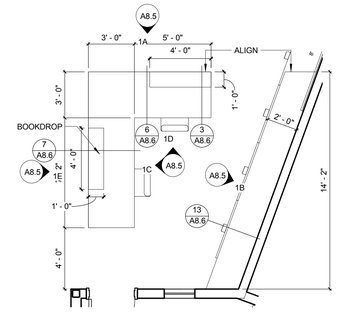
MILLWORK - MAILROOM 20



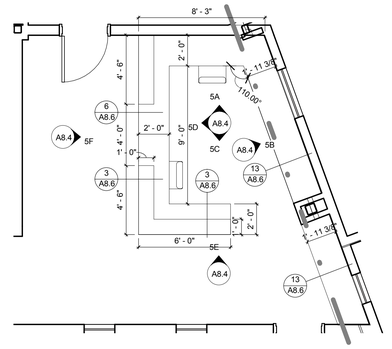
MILLWORK - CTC MAILBOXES 21
1/4" = 1'-0"



MILLWORK - TEACHER PLANNING 15
1/4" = 1'-0"



MILLWORK - LIBRARY DESK 10
1/4" = 1'-0"



MILLWORK - GUIDANCE DESK 5
1/4" = 1'-0"

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Dover HS / Career Technical Center
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Custom Millwork Enlarged Plans

SCALE: 1/4" = 1'-0" | DRAWN BY: RP | CHECKED BY: Checker

DRAWING NUMBER
A8.3

JOB NUMBER 403114

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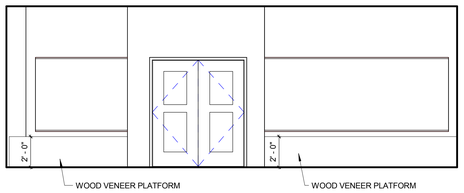
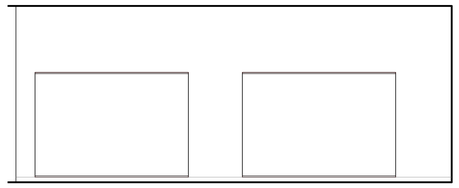
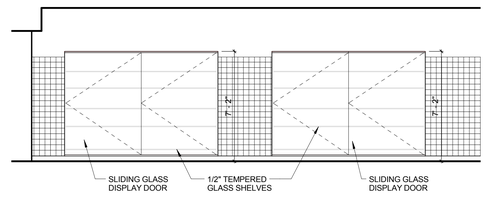


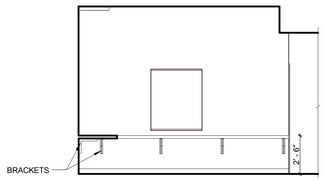
STORE DISPLAY ELEVATION - 2A (2A)
1/4" = 1'-0"



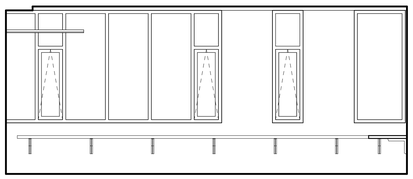
DISPLAY CASES ELEVATION - 1B (1B)
1/4" = 1'-0"



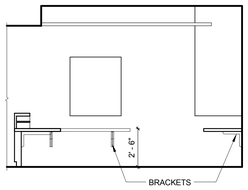
DISPLAY CASES ELEVATION - 1A (1A)
1/4" = 1'-0"



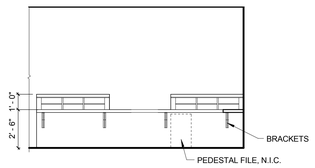
ADMIN DESK ELEVATION - 3E (3E)
1/4" = 1'-0"



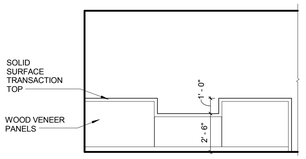
ADMIN DESK ELEVATION - 3D (3D)
1/4" = 1'-0"



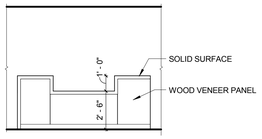
ADMIN DESK ELEVATION - 3C (3C)
1/4" = 1'-0"



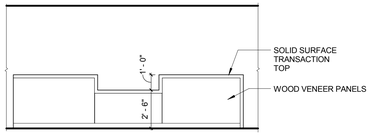
ADMIN DESK ELEVATION - 3B (3B)
1/4" = 1'-0"



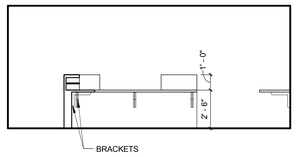
ADMIN DESK ELEVATION - 3A (3A)
1/4" = 1'-0"



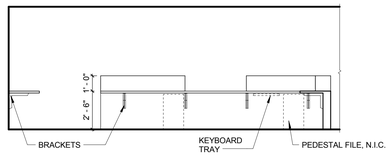
DEAN'S OFFICE DESK ELEVATION - 4F (4F)
1/4" = 1'-0"



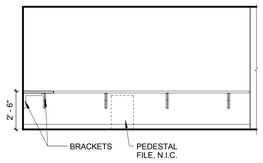
DEAN'S OFFICE DESK ELEVATION - 4E (4E)
1/4" = 1'-0"



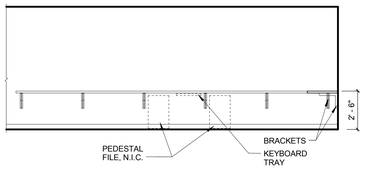
DEAN'S OFFICE DESK ELEVATION - 4D (4D)
1/4" = 1'-0"



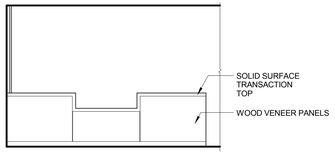
DEAN'S OFFICE DESK ELEVATION - 4C (4C)
1/4" = 1'-0"



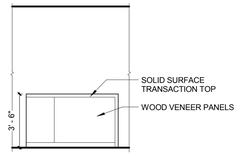
DEAN'S OFFICE DESK ELEVATION - 4B (4B)
1/4" = 1'-0"



DEAN'S OFFICE DESK ELEVATION - 4A (4A)
1/4" = 1'-0"



GUIDANCE DESK ELEVATION -5F (5F)
1/4" = 1'-0"



GUIDANCE DESK ELEVATION - 5E (5E)
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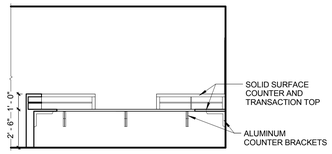

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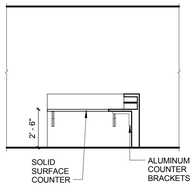

GUIDANCE DESK ELEVATION - 5C (5C)
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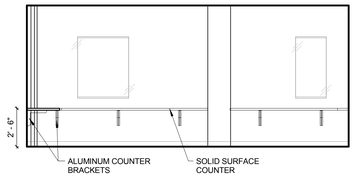
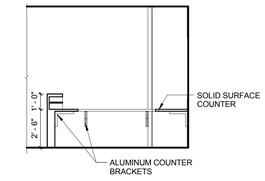
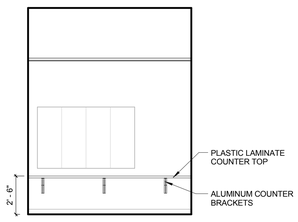


GUIDANCE DESK ELEVATION - 5B (5B)
1/4" = 1'-0"



GUIDANCE DESK ELEVATION - 5A (5A)
1/4" = 1'-0"



SOUNDBOOTH COUNTER ELEVATION - 1A (9C)
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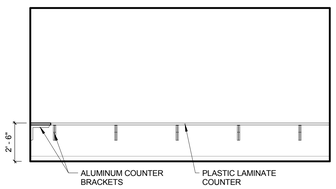
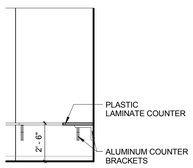
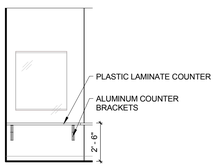


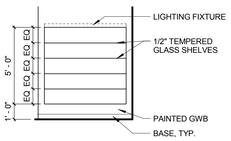
BOX OFFICE COUNTER ELEVATION - 8C (8C)
1/4" = 1'-0"



BOX OFFICE COUNTER ELEVATION - 8B (8B)
1/4" = 1'-0"



BOX OFFICE COUNTER ELEVATION - 8A (8A)
1/4" = 1'-0"



COSMETOLOGY DISPLAY - 7A (7A)
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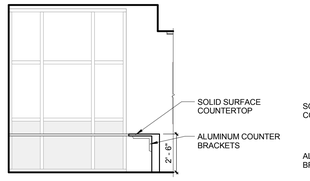
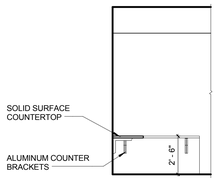


CTC DESK ELEVATION - 6C (6C)
1/4" = 1'-0"



CTC DESK ELEVATION - 6B (6B)
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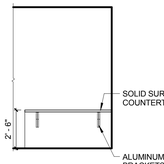

CTC DESK ELEVATION - 6A (6A)
1/4" = 1'-0"

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JOB NUMBER 403114

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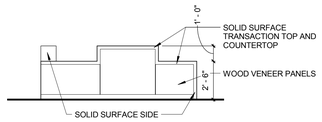
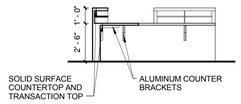


LIBRARY DESK ELEVATION - 1E 1E
1/4" = 1'-0"



LIBRARY DESK ELEVATION - 1D 1D
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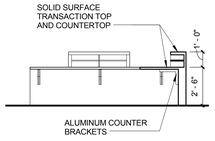
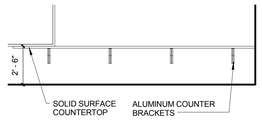
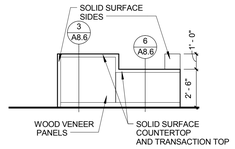


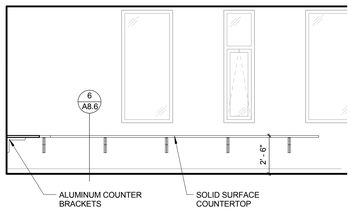
LIBRARY DESK ELEVATION - 1C 1C
1/4" = 1'-0"



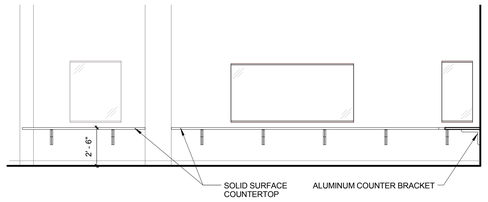
LIBRARY DESK ELEVATION - 1B 1B
1/4" = 1'-0"



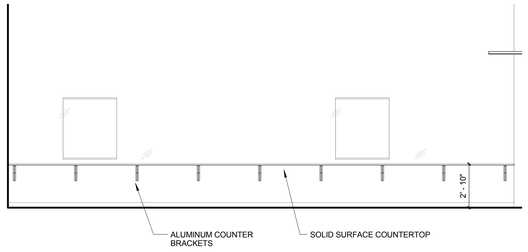
LIBRARY DESK ELEVATION - 1A 1A
1/4" = 1'-0"



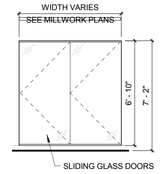
TEACHER PLANNING ELEVATION - 4B 4B
1/4" = 1'-0"



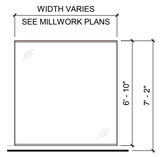
TEACHER PLANNING ELEVATION - 4A 4A
1/4" = 1'-0"



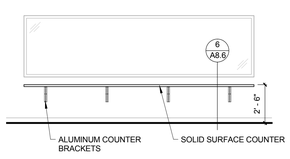
MEDIA ARTS LC ELEVATION - 3A 3A
1/4" = 1'-0"



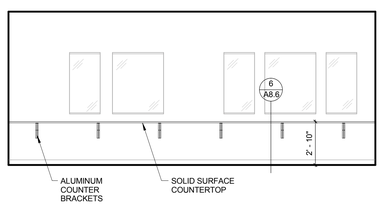
ART DISPLAY ELEVATION - 2B 2B
1/4" = 1'-0"



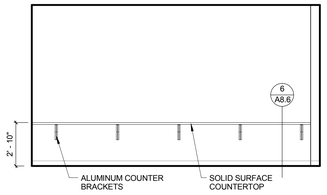
ART DISPLAY ELEVATION - 2A 2A
1/4" = 1'-0"



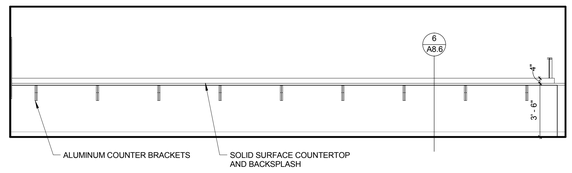
PROJECTION COUNTER ELEVATION - 8A 8A
1/4" = 1'-0"



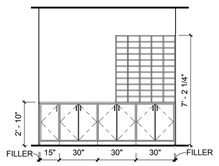
LEARNING COMMONS 2-2 - 7A 7A
1/4" = 1'-0"



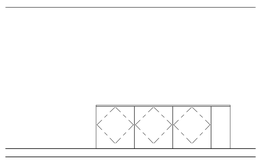
LEARNING COMMONS 2-1 - 6A 6A
1/4" = 1'-0"



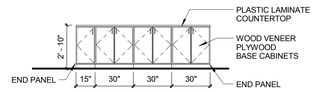
MEDIA ARTS LC OVERLOOK COUNTER - 5A 5A
1/4" = 1'-0"



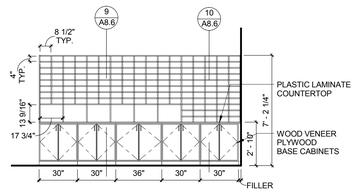
CTC MAILBOXES - 10A 10A
1/4" = 1'-0"



MAILROOM COUNTER - 9C 9C
1/4" = 1'-0"



MAILROOM COUNTER - 9B 9B
1/4" = 1'-0"



MAILBOXES - 9A 9A
1/4" = 1'-0"

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Dover, NH
Custom Millwork Elevations

SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A8.5

JOB NUMBER 403114

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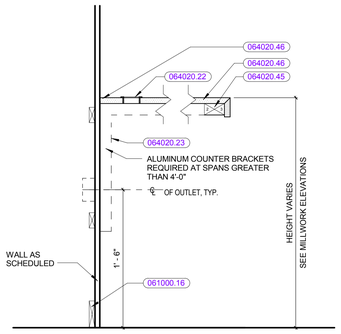
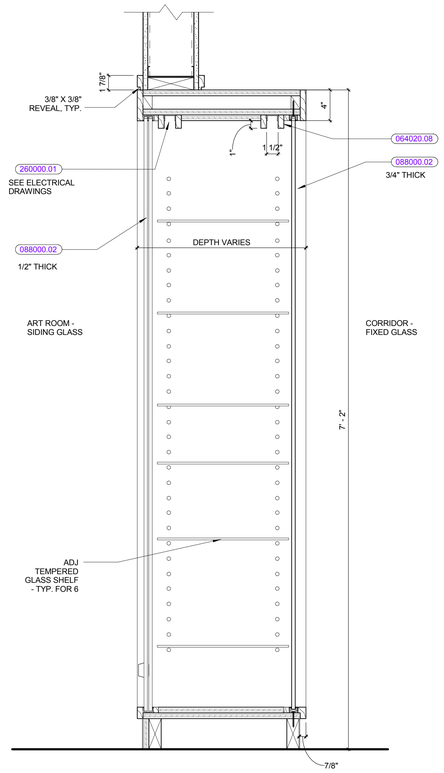
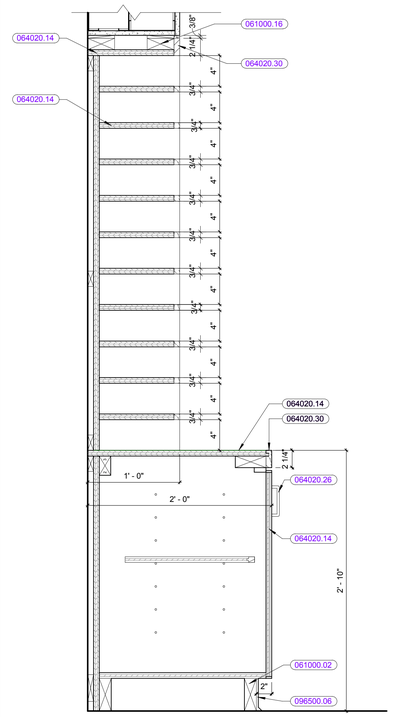


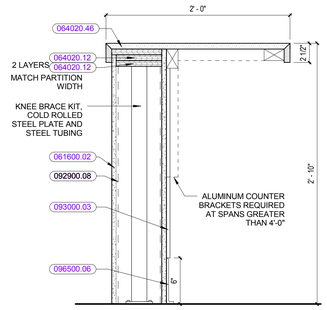
SECTION @ SOLID SURFACE COUNTER 13
1 1/2" = 1'-0"



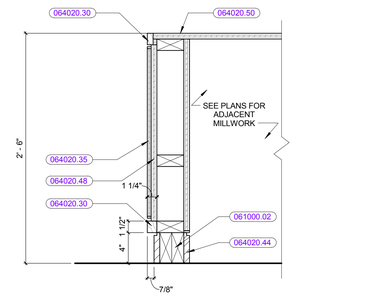
SECTION @ ART ROOM DISPLAY CASE 11
1 1/2" = 1'-0"



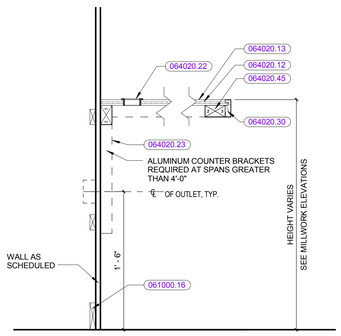
SECTION @ MAILBOX CUBBIES 9
1 1/2" = 1'-0"



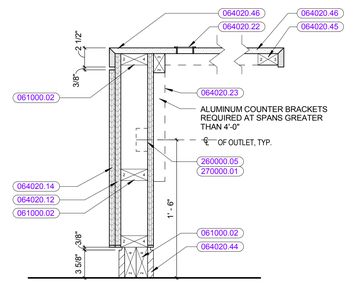
SECTION @ KNEE SPACE - LEARNING COMMONS 5
1 1/2" = 1'-0"



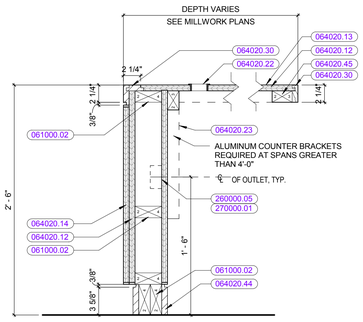
DESK - SECTION @ END OF DESK 1
1 1/2" = 1'-0"



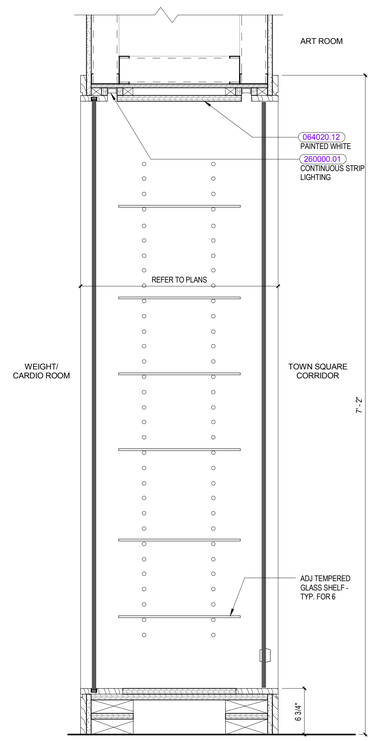
SECTION @ PLAM COUNTER 14
1 1/2" = 1'-0"



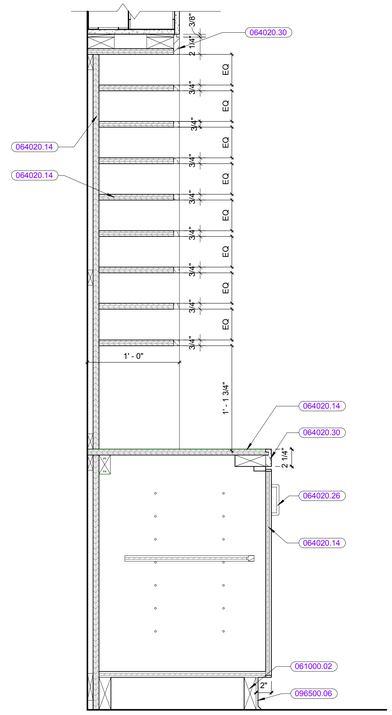
SECTION @ KNEE SPACE AT SOLID SURFACE COUNTER 6
1 1/2" = 1'-0"



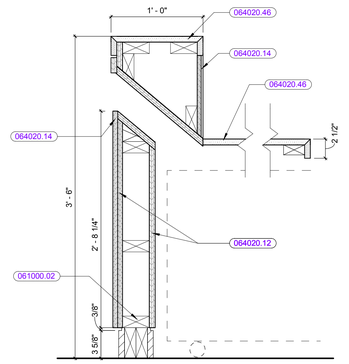
SECTION @ KNEE SPACE AT PLAM COUNTER 2
1 1/2" = 1'-0"



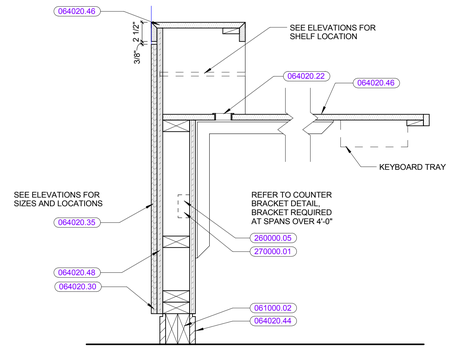
SECTION @ DOUBLE SIDED DISPLAY CASE 12
1 1/2" = 1'-0"



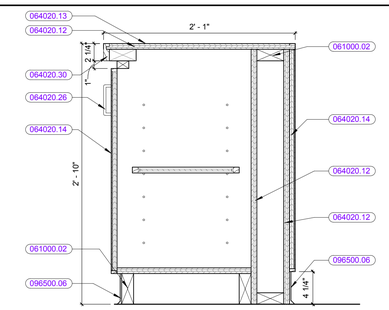
SECTION @ MAILBOX CUBBIES 2 10
1 1/2" = 1'-0"



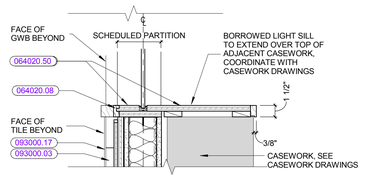
SECTION @ BOOK DROP 7
1 1/2" = 1'-0"



SECTION @ KNEE SPACE WITH COUNTER STORAGE 3
1 1/2" = 1'-0"



SECTION @ MAILROOM COUNTER 8
1 1/2" = 1'-0"



BORROWED LIGHT @ BOOK COLLECTION 4
1 1/2" = 1'-0"

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Custom Millwork Details

SCALE: 1 1/2" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A8.6

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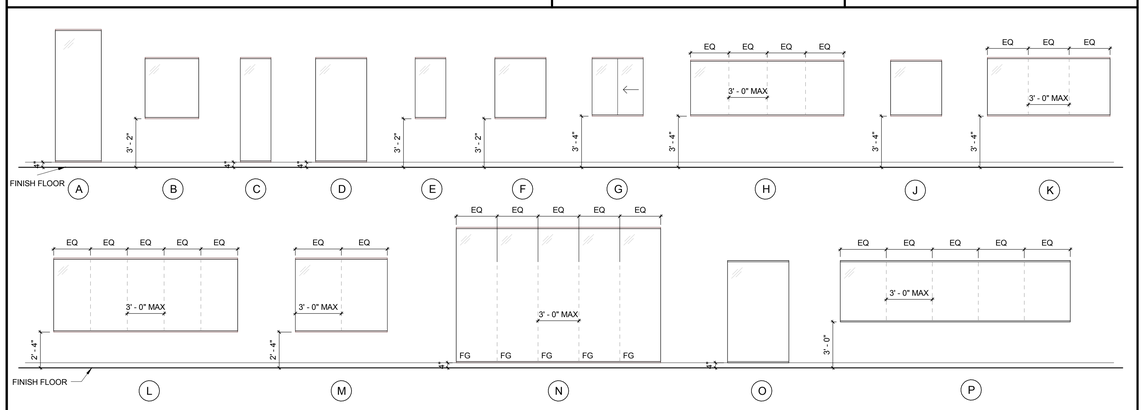
BORROWED LIGHT SCHEDULE - TYPE					
Width	Height	Frame Depth -	Glazing type	Type Mark	Count
3' - 0"	8' - 8"		TG	A	22
3' - 6"	4' - 0"		TG	B	51
2' - 0"	6' - 10"		TG	C	16
3' - 4"	6' - 10"		TG	D	11
2' - 0"	4' - 0"		TG	E	40
3' - 4"	4' - 0"		TG	F	70
3' - 4"	3' - 10"		TG	G	3
10' - 0"	3' - 8"		TG	H	12
3' - 4"	3' - 8"		TG	J	18
8' - 0"	3' - 10"		TG	K	14
12' - 0"	4' - 10"	0' - 9"	TG	L	1
6' - 0"	4' - 10"	0' - 9"	TG	M	1
13' - 4"	8' - 10"	0' - 11"	TG	N	2
4' - 0"	6' - 8"		TG	O	2
15' - 0"	4' - 0"		TG	P	1

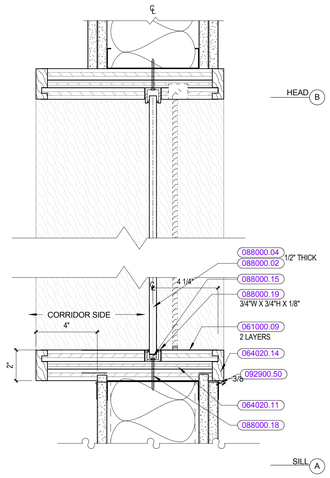
NOTE: DOUBLE GLAZING BORROWED LIGHT DETAILS APPLY TO THE FOLLOWING

BL-008, BL-009, BL-010, BL-031C.1, BL-031C.2, BL-033A.1, BL-033A.2, BL-100.2, BL-101.1, BL-101.2, BL-101.3, BL-101.4, BL-102.1, BL-105A.1, BL-105A.2, BL-105A.3, BL-105A.4, BL-106.1, BL-106.2, BL-125.2, BL-125B.2, BL-126.2, BL-126B.3, BL-133.2, BL-136.2, BL-136B, BL-138.2, BL-138B, BL-145D.1, BL-145D.2, BL-LC2-1.1, BL-LC2-1.2, BL-LC2-1.3, BL-C2-1.1, BL-C2-1.2, BL-C2-1.3, BL-C2-1.4, BL-C2-1.5, BL-C2-1.6, BL-C2-1.7, BL-C2-1.8, BL-C2-1.9, BL-C2-1.10, BL-C2-1.11, BL-C2-1.12, BL-C2-1.13, BL-C2-1.14, BL-C2-1.15, BL-C2-1.16, BL-C2-1.17, BL-C2-1.18, BL-LC2-1.1, BL-LC2-1.2, BL-LC2-1.3, BL-LC2-2.1, BL-LC2-2.2, BL-LC2-2.3, BL-LC2-2.4, BL-LC2-2.5, BL-LC2-3.1, BL-LC2-4.1, BL-LC2-4.2

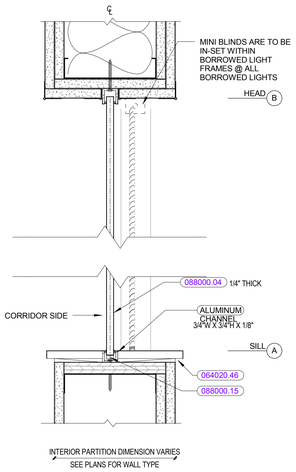
NOTE: WOOD FRAME BORROWED LIGHT DETAILS APPLY TO THE FOLLOWING

BL-033A.1, BL-033A.2, BL-105A.1, BL-105A.2, BL-105A.3, BL-105A.4, BL-106.1, BL-106.2, BL-117.1, BL-117.2, BL-126.1, BL-133.1, BL-136.1, BL-138.1, BL-145A.1, BL-206.1, BL-206.2, BL-206.3, BL-207, BL-219, BL-221, BL-22A.1, BL-LC2-3, BL-234B, BL-LC2-4.1, BL-LC2-4.2, BL-253.1





BL - WOOD FRAMED (2)
3" = 1'-0"

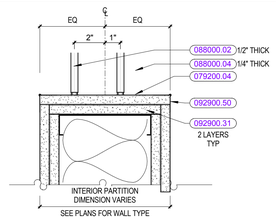


BL - DETAILS (1)
3" = 1'-0"

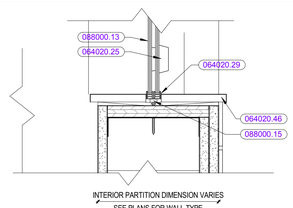
GLAZING @ CORNER (7)
3" = 1'-0"

HEAD DETAIL @ DOUBLE GLAZING (5)
3" = 1'-0"

BL - SLIDING GLASS @ HEAD (3)
3" = 1'-0"



JAMB DETAIL @ DOUBLE GLAZING (6)
3" = 1'-0"



BL - SLIDING GLASS @ SILL (4)
3" = 1'-0"

KEYNOTE LIST

061000.09	3/4" PLYWOOD
064020.11	1/2" PLYWOOD
064020.14	3/4" WOOD VENEER PLYWOOD WITH 3/8" SOLID WOOD EDGE BANDING
064020.25	LOCK
064020.29	SLIDING GLASS DOOR TRACK
064020.46	SOLID SURFACING
079200.04	INTERIOR SEALANT
088000.02	HEAT-TEMPERED GLASS
088000.04	LAMINATED GLASS
088000.13	HEAT-TEMPERED SLIDING GLASS DOORS
088000.15	SETTING BLOCK
088000.18	
088000.19	
092900.08	6" STUDS
092900.31	5/8" GYPSUM BOARD
092900.32	5/8" FIRE-RESISTANT GYPSUM BOARD
092900.50	CORNER BEAD
092900.51	J-TRIM

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Borrowed Light Schedule & Elevations
SCALE: As indicated
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CHECKED BY: Checker

DRAWING NUMBER
A9.1

JOB NUMBER 403114

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NO.	DOOR DIMENSIONS WD.	DOOR DIMENSIONS HT.	Elevation	Material	DOOR Door Glazing	DOOR Leaves	FRAME Frame Elevation	FRAME Frame Material	FRAME Frame Glazing	REFER TO A9.3 FOR DETAILS, UNO HEAD	JAMB	SILL	UL Rating	HDWR. SET	Remarks
GROUND															
001C	3' - 0"	7' - 0"	A	WD		1	1	HM	---				45		
001D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
002	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
003.1	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						
003.2	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						
003A.1	4' - 0"	7' - 0"	A	WD		2	2	HM	---						
003A.2	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
003A.3	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
003B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
003C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
03D.1	4' - 0"	7' - 0"	A	WD		2	2	HM	---						
03D.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
003E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
003F	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
003G	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
004	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
005	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
006	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
007	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
008	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-40, AG
009	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-40, AG
010	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-40, AG
011	3' - 0"	7' - 0"	A	WD		1	1	HM	---						STC-40, AG
012.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-40, AG
012.2	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						STC-40, AG
013	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-40, AG
014.1	4' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						STC-40, AG
014.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-40, AG
015	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
016	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
016A	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
017.1	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
017.2	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
018	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
019	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
020	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
021.1	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
021.2	4' - 0"	7' - 0"	A	WD		1	1	HM	---						
021.4	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
021A.1	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						
021A.4	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						
021B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
021C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
021D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
021E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
021F	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
022.1	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
023	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
023B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
024	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
025.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
025.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
025.23	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
025B.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
025B.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
025C.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
025C.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
026	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
027	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
027A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
027B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
028	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
029	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
029A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
030.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
030.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
030.3	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
030B.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
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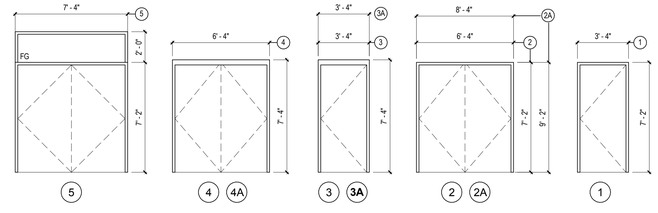
030C.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
030C.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
031.1	3' - 0"	7' - 0"	B	WD	TG	2	2	HM	---						
031.2	3' - 0"	7' - 0"	B	WD	TG	2	2	HM	---						
031.3	3' - 0"	7' - 0"	B	WD	TG	2	2	HM	---						
031A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
031B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
031C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
031D.1	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
031D.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
031F	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
032.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
032.2	3' - 9 1/2"	7' - 9 1/2"	A	WD											
032A.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
032A.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
033	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-40, AG
033A.1	3' - 0"	7' - 0"	A	WD		2	2	HM	---						STC-40, AG
033A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						STC-40, AG
033B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
033C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
034A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
034B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
034C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
035	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
037.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
037.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
037A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
037B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
039	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
040	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
040A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
041	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
042	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
043	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
043A	3' - 0"	7' - 0"	A	WD		2	2	HM	---				90		
C0-1	4' - 0"	7' - 0"	A	WD		2	2	HM	---						
C0-5	4' - 0"	7' - 0"	A	WD		2	2	HM	---						
C 0-2.1	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
C 0-2.2	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
C 0-4	3' - 0"	9' - 0"	A	WD		2	2A	HM	---				120		
S 2-0.1	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 2-0.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---				45		

INTERIOR DOOR FRAME ELEVATIONS

SECTION 081110 HOLOW METAL DOORS AND FRAMES
PAINT FINISH BY SECTION 099000 PAINTING AND COATINGS

NOTES:

A) SEE DRAWING A9.2 FOR DETAILS REFERENCED ON THIS SHEET.
B) REFER TO DOOR SCHEDULE FOR GLAZING TYPE REQUIRED.
C) GLAZING STOPS SHALL BE INSTALLED ON ROOM SIDE OF FRAME WHEN FRAME IS IN CORRIDOR OR LOBBY.

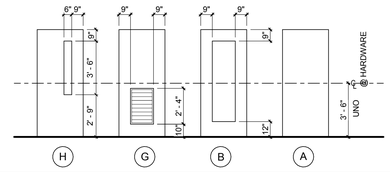


INTERIOR DOOR ELEVATIONS

SECTION 081100 HOLLOW METAL DOORS AND FRAMES
SECTION 081400 FLUSH WOOD DOORS
GLAZING BY SECTION 088000 GLAZING
PAINT FINISH FOR HM DOORS BY SECTION 099000 PAINTING AND COATINGS

NOTES:

A) REFER TO DOOR SCHEDULE FOR GLAZING TYPE REQUIRED.
B) GLAZING STOPS SHALL BE INSTALLED ON ROOM SIDE OF FRAME WHEN FRAME IS IN CORRIDOR OR LOBBY
C) ALL HOLLOW METAL DOORS SHALL RECEIVE HIGH PERFORMANCE PAINT FINISH.



EXTERIOR DOOR PANELS & FRAME ELEVATIONS

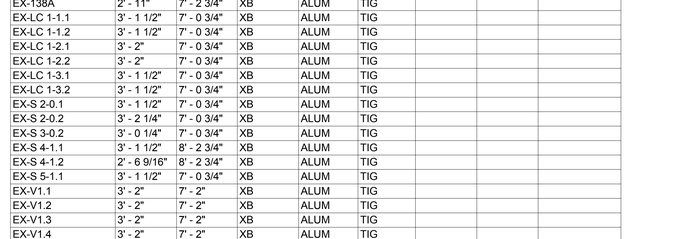
SECTION 084410-ALUMINUM ENTRANCE DOORS IN CURTAINWALL FRAMES
SECTION 084410-ALUMINUM SWING DOORS & FRP DOORS
SECTION 084113-ALUMINUM ENTRANCE DOORS IN SOREFRONT FRAMES
GLAZING BY SECTION 088000

NOTES:

A) REFER TO EXTERIOR DOOR SCHEDULE FOR GLAZING TYPEREQUIRED.

DOOR PANELS

DOOR FRAMES



ALUMINUM GLAZEDSTYLE & RAIL TYPE MEDIUM STYLE

ALUMINUM OR FRP FLUSH TYPE

DOOR SCHEDULE - EXTERIOR

NO.	DOOR DIMENSIONS WD.	DOOR DIMENSIONS HT.	Elevation	Material	DOOR Door Glazing	DOOR Leaves	FRAME Frame Material	REMARKS
EX-TS 01.4	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-TS 01.5	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
GROUND								
EX-003	3' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-031.1	3' - 2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-031.2	3' - 2 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-031.3	3' - 2"	7' - 4 3/4"	XB	ALUM	TIG			
EX-031.4	3' - 2"	7' - 4 3/4"	XB	ALUM	TIG			
EX-031D.1	3' - 2 5/16"	7' - 0 3/4"	XB	ALUM	TIG			
EX-031D.2	3' - 2 3/16"	7' - 0 3/4"	XB	ALUM	TIG			
EX-034A	3' - 0"	7' - 0"	XA	ALUM		1	ALUM	
EX-034C	3' - 0"	7' - 0"	XA	ALUM		1	ALUM	
EX-040	3' - 0"	7' - 0"	XA	ALUM		1	ALUM	
EX-041	3' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-044	4' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-C0-5	4' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-C 0-1.1	3' - 6 1/4"	7' - 0 3/4"	XB	ALUM	TIG			
EX-C 0-1.3	4' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-C 0-2	3' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-G-016.1	3' - 0"	7' - 0"				1	ALUM	
EX-S 3-0.1	3' - 0 1/4"	7' - 0 3/4"	XB	ALUM	TIG			
EX-TS 01.1	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
1.0 FIRST								
EX-109	3' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-126A	3' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-127	3' - 0"	7' - 0"	XA	ALUM		2	ALUM	
EX-128	2' - 11"	7' - 0 3/4"	XB	ALUM	TIG			
EX-129	2' - 11"	7' - 0 3/4"	XB	ALUM	TIG			
EX-131	2' - 11"	7' - 0 3/4"	XB	ALUM	TIG			
EX-132	2' - 11"	7' - 0 3/4"	XB	ALUM	TIG			
EX-133	2' - 11"	7' - 0 3/4"	XB	ALUM	TIG			
EX-134	2' - 11"	7' - 0 3/4"	XB	ALUM	TIG			
EX-135A	2' - 11"	7' - 0 3/4"	XB	ALUM	TIG			
EX-136A	2' - 11"	7' - 2 3/4"	XB	ALUM	TIG			
EX-138A	2' - 11"	7' - 2 3/4"	XB	ALUM	TIG			
EX-LC 1-1.1	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-LC 1-1.2	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-LC 1-2.1	3' - 2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-LC 1-2.2	3' - 2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-LC 1-3.1	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-LC 1-3.2	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-S 2-0.1	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-S 2-0.2	3' - 2 1/4"	7' - 0 3/4"	XB	ALUM	TIG			
EX-S 3-0.2	3' - 0 1/4"	7' - 0 3/4"	XB	ALUM	TIG			
EX-S 4-1.1	3' - 1 1/2"	8' - 2 3/4"	XB	ALUM	TIG			
EX-S 4-1.2	2' - 6 9/16"	8' - 2 3/4"	XB	ALUM	TIG			
EX-S 5-1.1	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
EX-V1.1	3' - 2"	7' - 2"	XB	ALUM	TIG			
EX-V1.2	3' - 2"	7' - 2"	XB	ALUM	TIG			
EX-V1.3	3' - 2"	7' - 2"	XB	ALUM	TIG			
EX-V1.4	3' - 2"	7' - 2"	XB	ALUM	TIG			
EX-V1.5	3' - 2"	7' - 2"	XB	ALUM	TIG			
EX-V1.6	3' - 2"	7' - 2"	XB	ALUM	TIG			
V 2-1.1	3' - 0 1/4"	7' - 0 3/4"	XB	ALUM	TIG			
V 2-1.2	3' - 1 1/2"	7' - 0 3/4"	XB	ALUM	TIG			
ROOF								
EX-S 0-3	3' - 0"	7' - 2"	XA	ALUM		2	ALUM	

AO	= ACTUAL OPENING DIMENSION IN MASONRY WALL
FD	= FRAME DIMENSION
VIF	= VERIFY IN FIELD
AA	= AUDIBLE ALARM
AG	= ACOUSTICAL GASKET
ALUM	= ALUMINUM
CG	= CLEAR GLASS
DC	= DOOR CONTROL
ES	= ELECTRONIC STRIKE
FBG	= FIBERGLASS
FG	= FIREGLASS
HM	= HOLLOW METAL
HO	= HOLD OPEN
HC	= ACCESSIBLE DOOR
IC	= INTERCOM STATION
IG	= 1" INSULATED GLASS
LG	= LAMINATED GLASS
MNB	= MINI BLIND
SC	= SOLID CORE WOOD
SS	= STAINLESS STEEL
TG	= TEMPERED GLASS
TIG	= TEMPERED INSULATED GLASS
UC	= UNDERCUT DOOR
WG	= WIRE GLASS

087100.00
087100.00
089100.00
088000.01
087100.00
087100.00
088000.00
088000.00
081110.00
087100.07
087100.08
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080000.00
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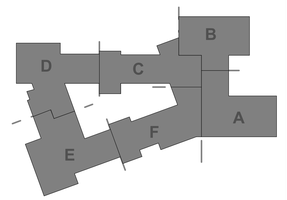
KEYNOTE LIST

KEYPLAN



HMFH ARCHITECTS
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Cambridge, MA 02139
617 547 4600 www.hmfh.com
@HMFHarch hmfh.com

100% DESIGN DEVELOPMENT
3/15/2016

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Door Schedules & Elevations

SCALE: As indicated DRAWN BY: CO CHECKED BY: Checker

DRAWING NUMBER
A9.2

JOB NUMBER 403114

3/4/2016 10:52:41 AM C:\Users\costa\AppData\Local\Temp\Bluebeam Revu\18\0\Profile\CONTROL_sheetlist.txt

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DOOR					DOOR		FRAME			REFER TO A9.3 FOR DETAILS, UNO					
NO.	DIMENSIONS WD.	DIMENSIONS HT.	Elevation	Material	Door Glazing	Leaves	Frame Elevation	Frame Material	Frame Glazing	HEAD	JAMB	SILL	UL Rating	HDWR. SET	Remarks
1.0 FIRST															
100.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100F	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100G	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100H	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100J	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
100K	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
101.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
101.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
101.3	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
101.3	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
101A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
101A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
102.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
102A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
102B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
102C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
102D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
103A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
103B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
105A	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
105B.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
105B.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
105B.3	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
105B.4	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
105C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
105D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
106.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
106.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
106A.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
106B	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
106C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
106D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
106E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
106F	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
106G	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
107.1	5' - 5 5/16"	7' - 0"	B	WD	TG										
107A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
107B.1	3' - 0"	7' - 0"	B	WD	TG										
107B.2	3' - 0 1/4"	7' - 0"	B	WD	TG										
108.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
108.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
108A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108B	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108C	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108D	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108E	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108F	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108G	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108H	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108J	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
108K	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
108L	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
109A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
109B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
110.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
110.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
111	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
112	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
112A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
112B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
113	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
113A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
113A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
113B.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
113B.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
114.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
114.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
115.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
116	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
116A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
116B	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
116C	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
117.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
117.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
117A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
117B.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
118	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
118A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
119	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
120	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
121	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
122	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
123	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
124A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
124B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
124E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
124F	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
124G	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
124H	3' - 0"	7' - 0"	A	WD		1	1	HM	---				90		
125.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
125.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
125A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
125B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
126.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
126.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
126A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
126B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
127	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
127	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						STC-30, AG
127A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
127A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
127B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
128	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
128A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
128A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
129	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
129A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
129B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
130	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
130B.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
130B.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
131	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
131A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
132	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
132A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
132A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
133	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
133.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
133A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
134.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
134.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
135B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
135D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
136.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
136.2	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						
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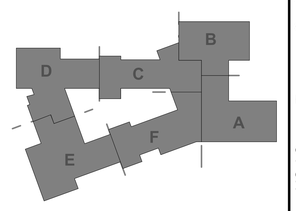
137	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
137.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
137.2	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						
137B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
138	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
138A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
138B.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
138B.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
138C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
138D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
138E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
139	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
140	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
140A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
140B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
140E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
140F	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
140G	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
140H	3' - 0"	7' - 0"	A	WD		1	1	HM	---				90		
141	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
142	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
142A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
145	3' - 0"	7' - 0"	H	WD	TIG	2	2	HM	---						
145A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
145B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
145C.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
145C.2	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
145D	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
146	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
146A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
146B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
147	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
148	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
148B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
149	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
150	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
150A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
150B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
150C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
150D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
151	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
152	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						STC-30, AG
1117B.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
C 1-1	4' - 0"	9' - 0"	A	WD		2	2	HM	---						
C 2-1	4' - 0"	9' - 0"	A	WD		2	2	HM	---						
C 3-1	4' - 0"	9' - 0"	A	WD		2	2A	HM	---				120		
C 4-1	4' - 0"	9' - 0"	A	WD		2	2A	HM	---				90		
C 5-1	4' - 0"	9' - 0"	A	WD		2	2A	HM	---				120		
S 1-1	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 2-1	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 3-1	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 4-1	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 5-1	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
V 1-1.1	3' - 2"	7' - 0 3/4"	B	WD	TG										
V 1-1.2	3' - 2"	7' - 0 3/4"	B	WD	TG										
V 1-1.3	3' - 2"	7' - 0 3/4"	B	WD	TG										
V 1-1.4	3' - 2"	7' - 0 3/4"	B	WD	TG										
V 1-1.5	3' - 2"	7' - 0 3/4"	B	WD	TG										
V 1-1.6	3' - 2"	7' - 0 3/4"	B	WD	TG										
V 2-1	3' - 0"	7' - 0"	B	WD	TG	2	2	HM	---						
V 3-1.1	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
V 3-1.2	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
V 3-1.3	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
V 3-1.4	3' - 0"	7' - 0"	A	WD		2	2	HM	---						

HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617 547 4500 tel
@HMFHarch hmfh.com

100% DESIGN DEVELOPMENT
3/15/2016

KEYPLAN



Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Door Schedule

SCALE:
DRAWN BY: CO
CHECKED BY: Checker

DRAWING NUMBER
A9.3

JOB NUMBER 403114

3/15/2016 10:51:06 AM C:\Users\cooper\Documents\Revit\S_CENTRAL_cooper.rvt

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NO.	DOOR DIMENSIONS WD.	DOOR DIMENSIONS HT.	Elevation	Material	DOOR Door Glazing	DOOR Leaves	FRAME Frame Elevation	FRAME Frame Material	FRAME Frame Glazing	REFER TO A9.3 FOR DETAILS, UNO HEAD	REFER TO A9.3 FOR DETAILS, UNO JAMB	REFER TO A9.3 FOR DETAILS, UNO SILL	UL Rating	HDWR. SET	Remarks
2.0 SECOND															
201A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
201A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
203	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
204	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
205	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
205A	3' - 0"	7' - 0"	A	WD		1	1	HM	---				90		
206.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
206.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
206A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
206B	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
206C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
206D	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
206E	3' - 0"	7' - 0"	A	WD		2	2	HM	---						
207	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
207A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
207B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
207C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
207D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
208	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
209	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
210	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
211	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
211A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
212	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
213	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
214	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
215	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
216	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
217	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
218	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
219	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
219A.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
219A.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
220A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
220B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
221	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
221A.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
221A.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
222.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
222A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
222B	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
222C	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
223	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
224	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
225	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
226	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
227	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
228	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
229	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
230A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
230B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
230E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
230F	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
231	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
231A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
231A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
232	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
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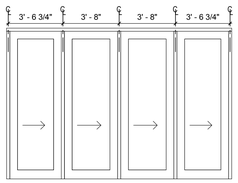
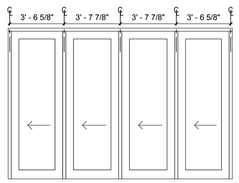
234.3	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
234A.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
234A.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
234B	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
234C	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
234D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
235	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
235A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
235A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
236	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
236A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
236A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
237	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
238.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
238.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
239	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
239A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
240	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
240A.1	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
240A.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
241	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
241A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
241B	3' - 0"	7' - 0"				1	1	HM	---						
242.1	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
242.2	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
243	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
244	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
245	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
246	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
247	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
248A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
248D	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
248F	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
249	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
250	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
251	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
252	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
253	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
253A	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
253B	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
253D	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
253E	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
253F	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
254	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
254A.2	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
255	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
256	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
256A	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
256B	3' - 0"	7' - 0"	A	WD		1	1	HM	---						
257	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
258	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
259	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
260	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
261	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
262	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
263	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
264	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
265	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
266	3' - 0"	7' - 0"	H	WD	TIG	1	1	HM	---						
C 1-2	4' - 0"	9' - 0"	A	WD		2	2A	HM	---				120		
C 2-2	4' - 0"	9' - 0"	A	WD		2	2A	HM	---				120		
S 1-2	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 2-2	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 3-2	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 4-2	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		
S 5-2	3' - 6"	7' - 0"	A	WD		2	5	HM	---				45		



EX-TS 01.3



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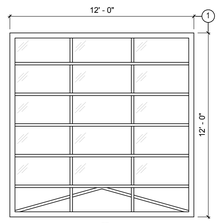
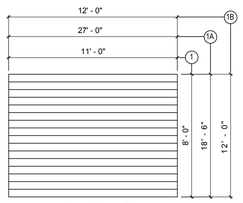


2

SPECIALTY - VERTICAL LIFT

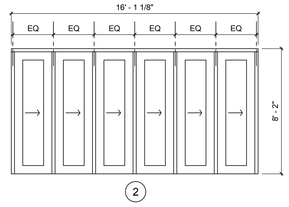


1 1A 1B

SPECIALTY - GARAGE DOOR

SPECIALTY DOOR SCHEDULE - EXTERIOR

NO.	DOOR DIMENSIONS WD.	DOOR DIMENSIONS HT.	Elevation	Material	Door Glazing	Leaves	FRAME Frame Material	REMARKS
EX-TS 01.2	14' - 7 7/16"	9' - 7 1/2"	XB	ALUM	TIG			Specialty - Sliding Wall
EX-TS 01.3	14' - 8 1/8"	9' - 7 1/2"	XB	ALUM	TIG			Specialty - Sliding Wall
GROUND								
EX-G-016	11' - 0"	8' - 0"	1	ALUM				Specialty - Garage Door
EX-G-036	11' - 0"	8' - 0"	1	ALUM				Specialty - Garage Door
EX-G-038	11' - 0"	8' - 0"	1	ALUM				Specialty - Garage Door
1.0 FIRST								
EX-G-126	27' - 0"	18' - 6"	1C	ALUM				Specialty - Garage Door
EX-G-136A.1	12' - 0"	12' - 0"	1C	ALUM				Specialty - Garage Door
EX-G-136A.2	12' - 0"	12' - 0"	1C	ALUM				Specialty - Garage Door
EX-G-136A.3	12' - 0"	12' - 0"	2	ALUM	TIG			Specialty - Vertical Lift
EX-G-138A	12' - 0"	12' - 0"	2	ALUM	TIG			Specialty - Vertical Lift



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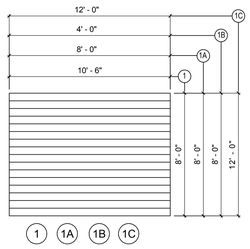
SPECIALTY - SLIDING WALL



1 1A 1B 1C

SPECIALTY - GARAGE DOOR

SPECIALTY DOOR SCHEDULE - INTERIOR

Family and Type	Door Panel	Level	DOOR NO.	DOOR DIMENSIONS WD.	DOOR DIMENSIONS HT.	Elevation	REFER TO A9.2 FOR DETAILS, UNO HEAD	Frame Elevation	Frame Glazing	Frame Material	REFER TO A9.2 FOR DETAILS, UNO JAMB	REFER TO A9.2 FOR DETAILS, UNO SILL	HDWR. SET	REMARKS	Collected Egress Load
GROUND															
Overhead-Sectional: 10 '6" x 8'	1	GROUND	021A.2	10' - 6"	8' - 0"	1								Specialty - Garage Door	
Overhead-Sectional: 10 '6" x 8'	1	GROUND	021A.3	10' - 6"	8' - 0"	1								Specialty - Garage Door	
1.0 FIRST															
Door-NanaWall-SL82: Door_SL-82_NanaWall	2	1.0 FIRST	105B.5	16' - 1 29/32"	8' - 2"	2								Specialty - Sliding Wall	
Overhead-Sectional: 8" X 8' 3	1A	1.0 FIRST	125D.1	8' - 0"	8' - 0"	1A								Specialty - Garage Door	
Overhead-Sectional: 4" X 8' 2	1B	1.0 FIRST	125D.2	4' - 0"	8' - 0"	1B								Specialty - Garage Door	
Overhead-Sectional: 12" X 12'	1C	1.0 FIRST	136C	12' - 0"	12' - 0"	1C								Specialty - Garage Door	

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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Door Schedule

SCALE: 1/4" = 1'-0"
DRAWN BY: CO
CHECKED BY: Checker

DRAWING NUMBER
A9.4

JOB NUMBER 403114

3/9/2016 10:50:03 AM C:\Users\cosse\AppData\Local\Temp\Bluebeam Revu\18\...\CENTRAL_cosse.rvt

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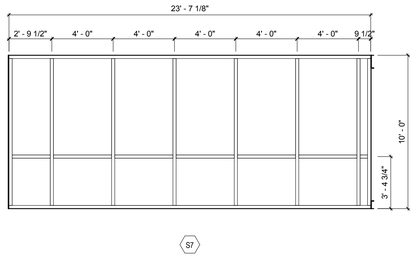

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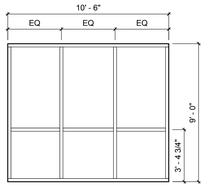

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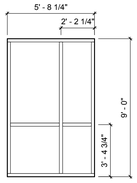

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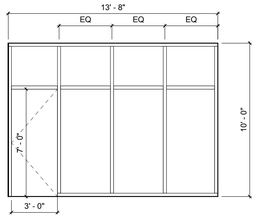

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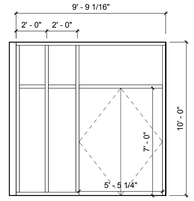

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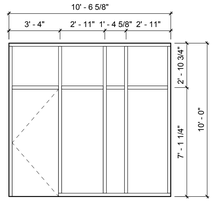

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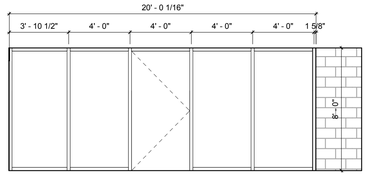

S1

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Interior Storefront Schedule & Elevations

SCALE: 1/4" = 1'-0" DRAWN BY: RP CHECKED BY: Checker

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DRAWING NUMBER
A9.5

JOB NUMBER 403114

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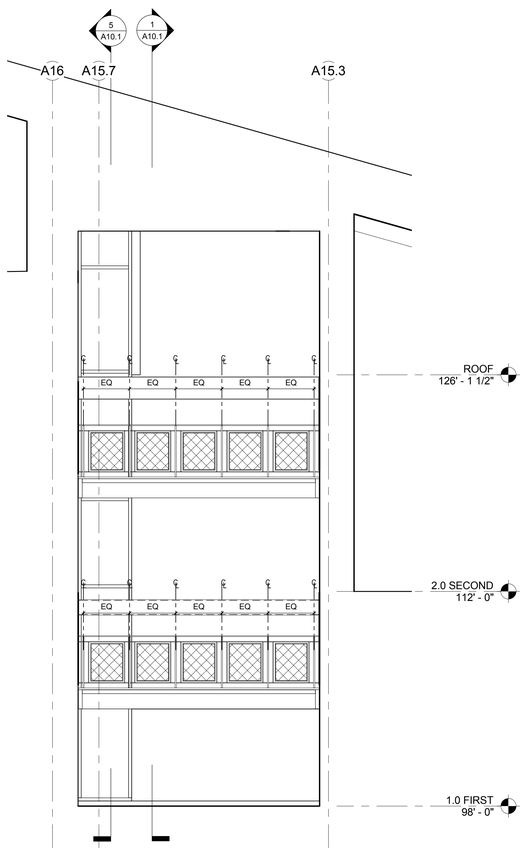
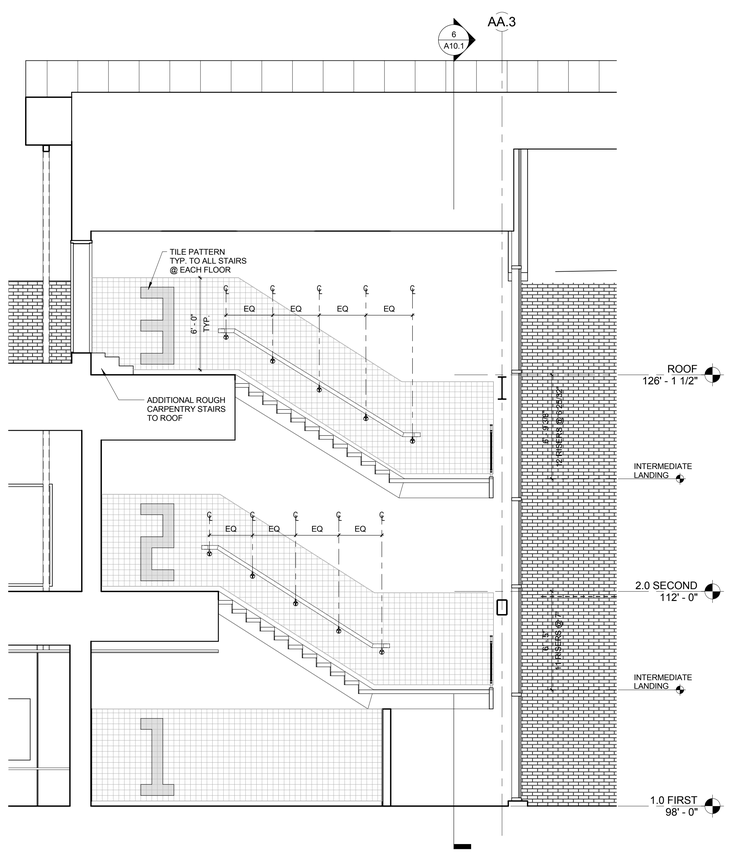
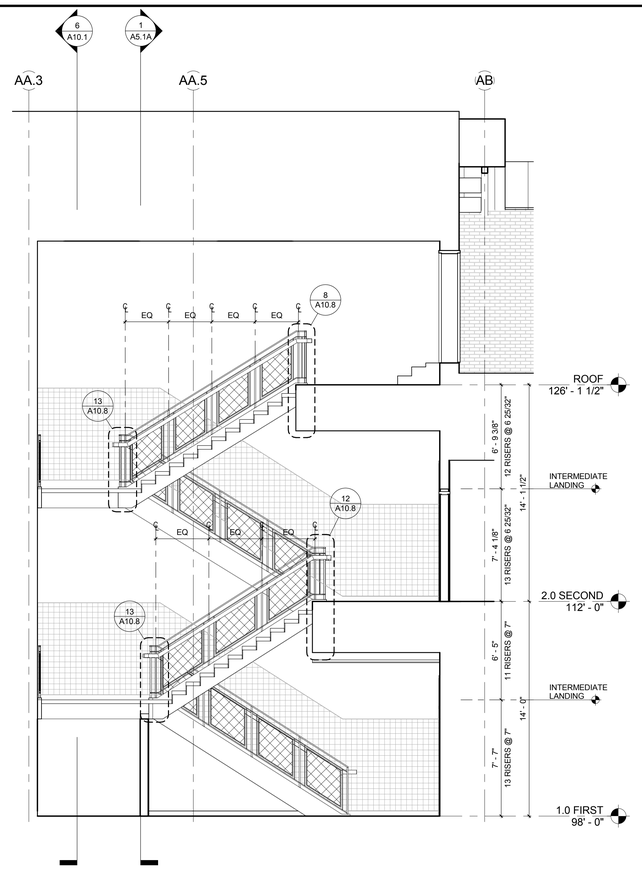


STAIR 1 SECTION C (6)
1/4" = 1'-0"



STAIR 1 SECTION B (5)
1/4" = 1'-0"



STAIR 1 SECTION A (1)
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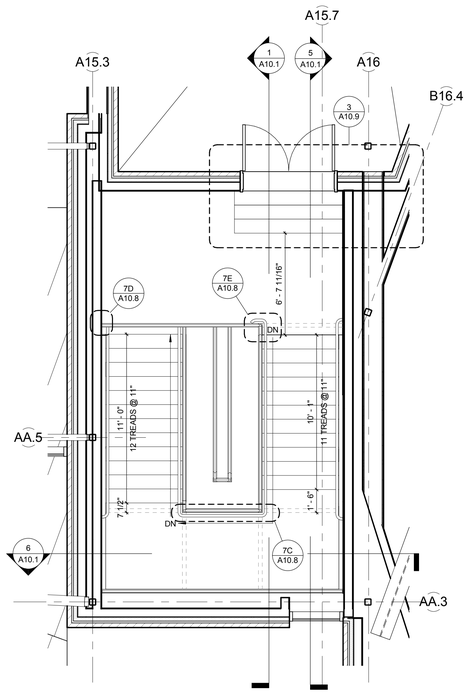
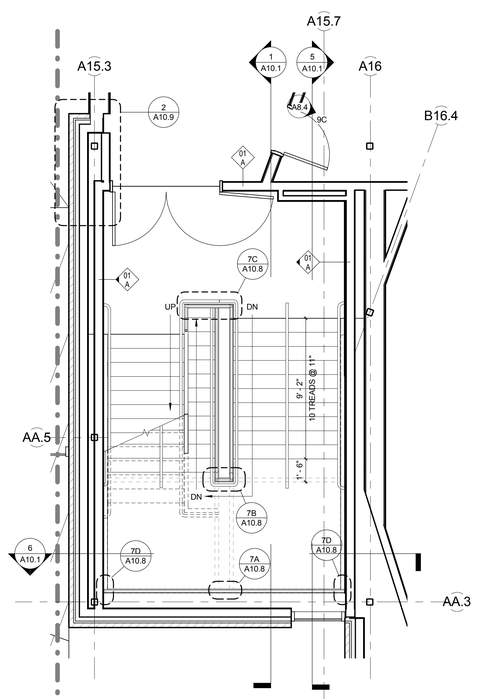
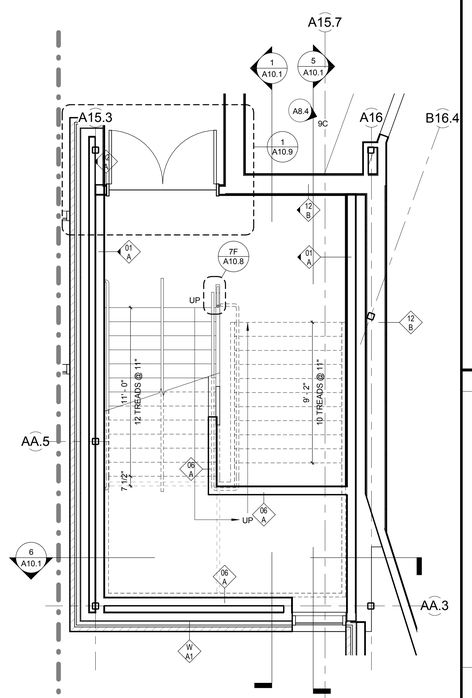


Stair 1-3 Plan (4)
1/4" = 1'-0"



STAIR 1-2 PLAN (3)
1/4" = 1'-0"



STAIR 1-1 PLAN (2)
1/4" = 1'-0"

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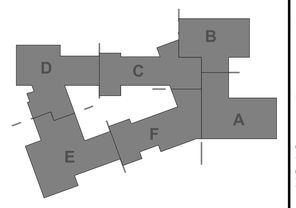

Dover HS / Career Technical Center
Dover, NH
Stair Plans & Sections

SCALE: 1/4" = 1'-0" DRAWN BY: CO CHECKED BY: Checker

DRAWING NUMBER
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JOB NUMBER 403114

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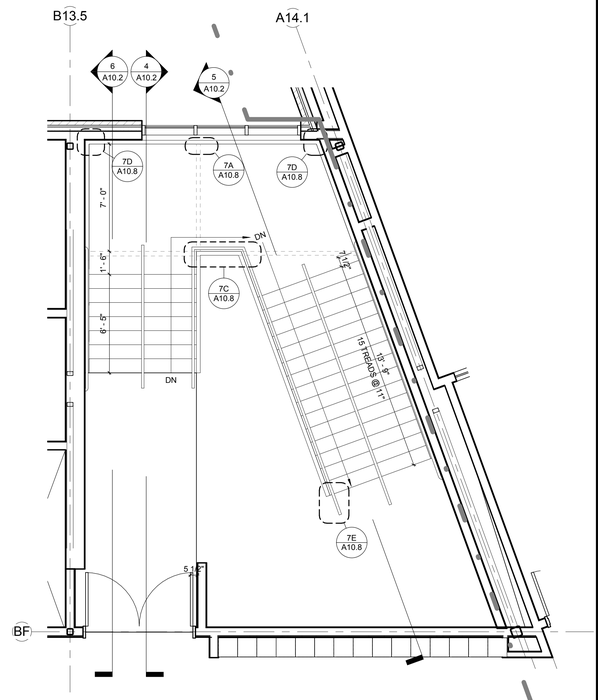
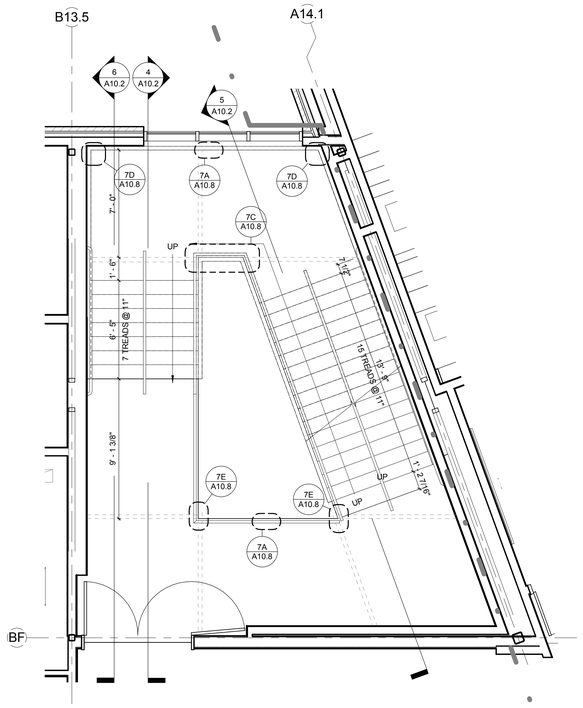


STAIR 2-2 HOLD OPEN B (3)
1/4" = 1'-0"



Stair 2-1 Plan (2)
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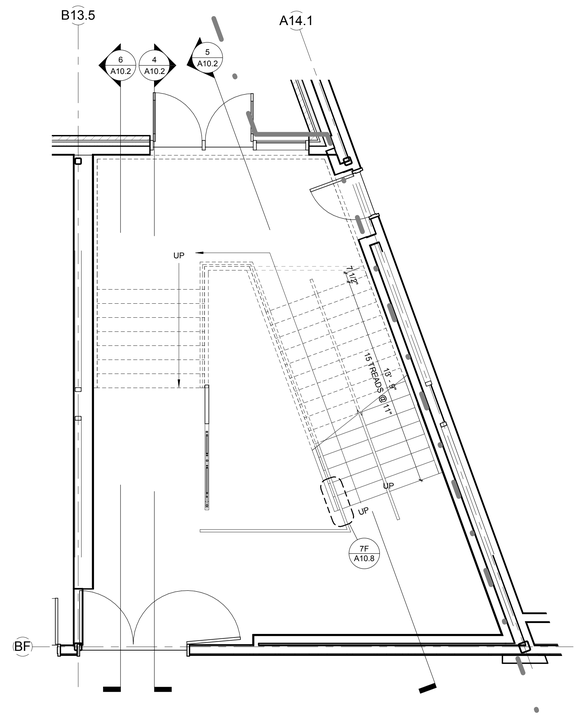

Stair 2-0 Plan (1)
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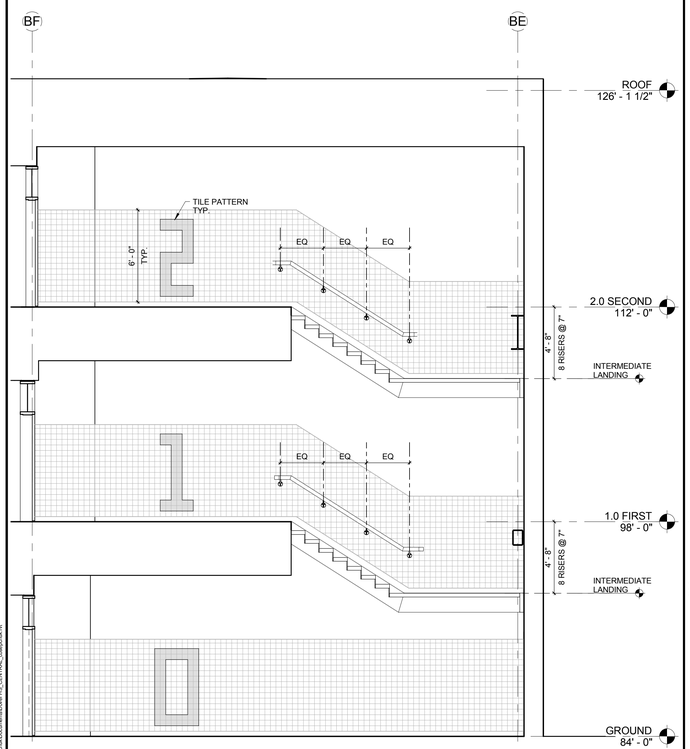
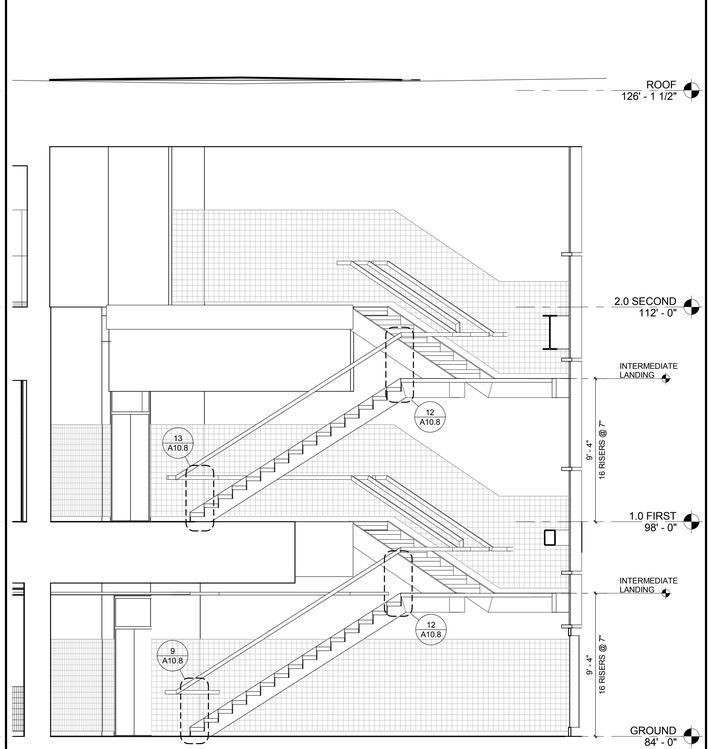


STAIR 2 SECTION C (6)
1/4" = 1'-0"



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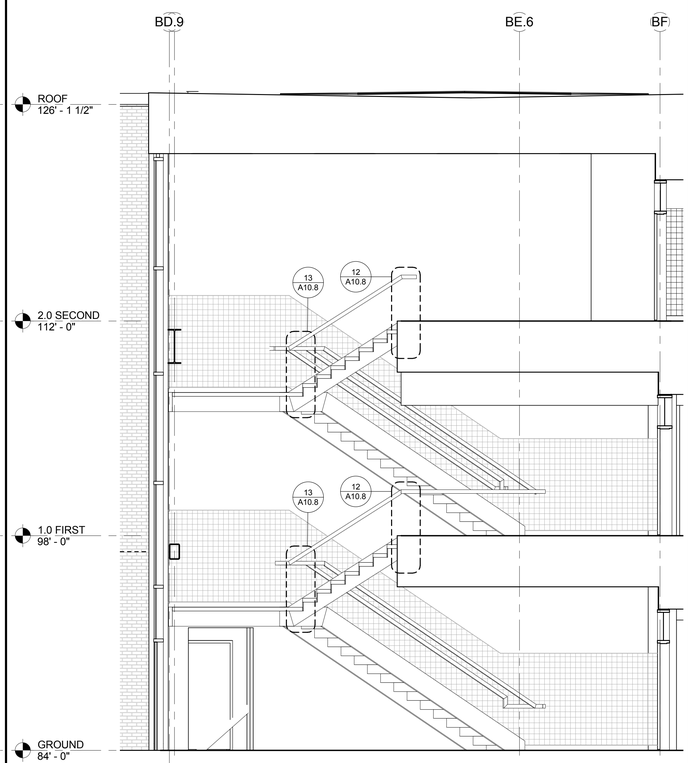

STAIR 2 SECTION A (4)
1/4" = 1'-0"

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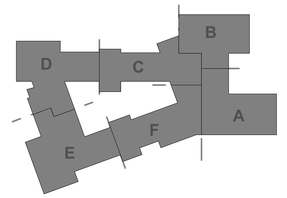

Dover HS / Career Technical Center
Dover, NH
Stair Plans & Sections

SCALE: 1/4" = 1'-0" DRAWN BY: CO CHECKED BY: Checker

DRAWING NUMBER
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JOB NUMBER 403114

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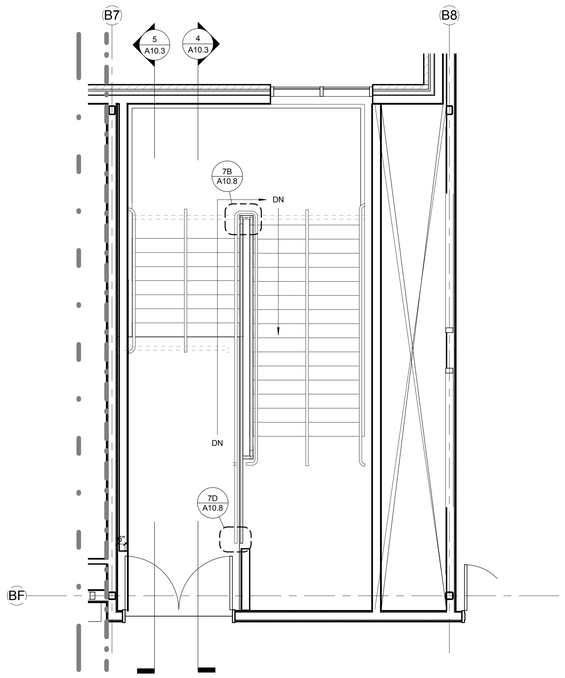
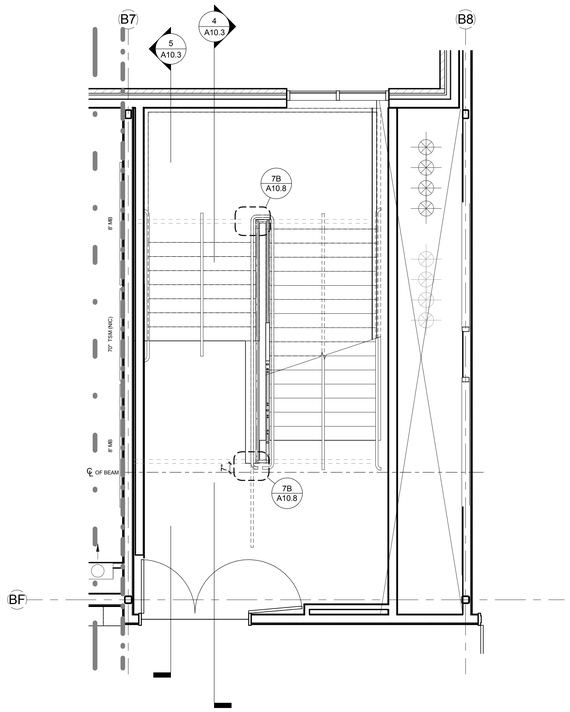
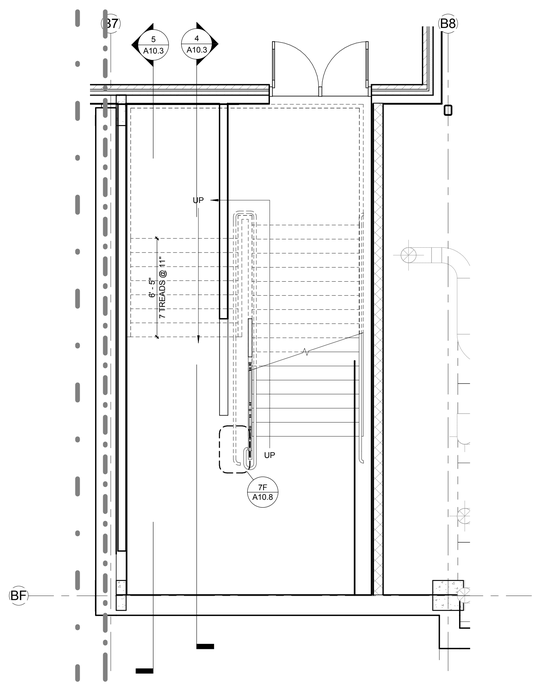


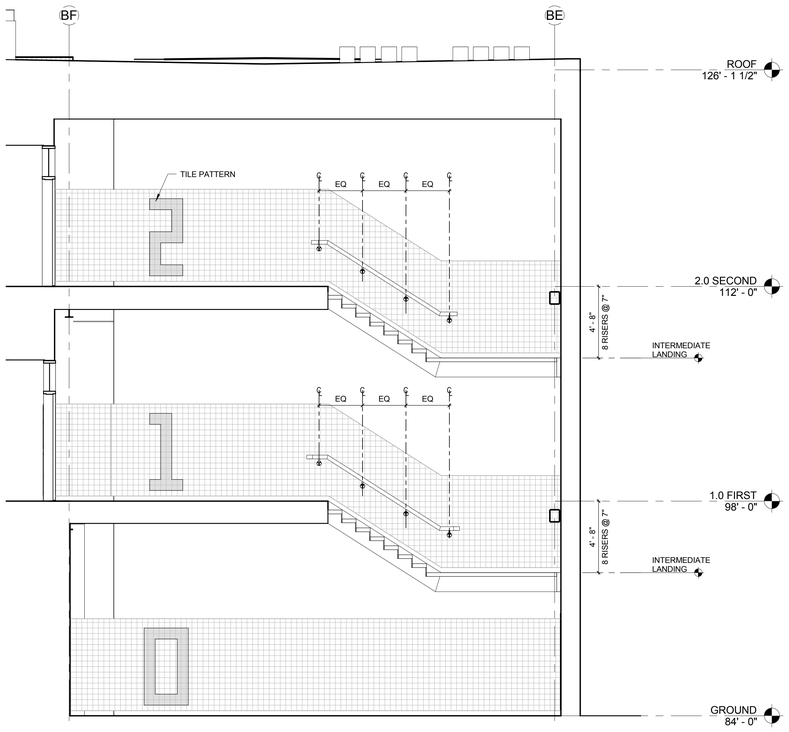
Stair 3-2 Plan ③
1/4" = 1'-0"



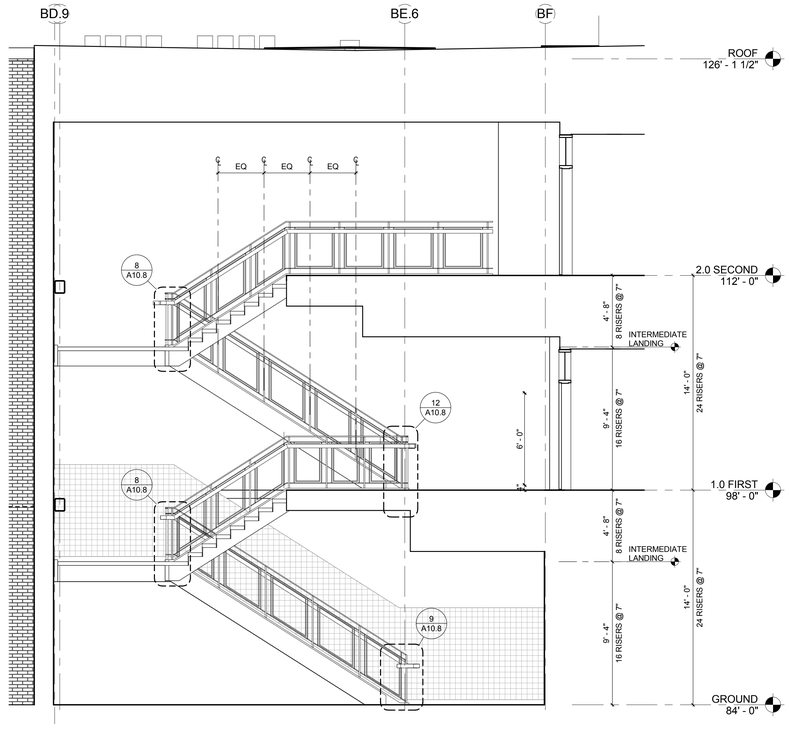
Stair 3-1 Plan ②
1/4" = 1'-0"



Stair 3-0 Plan ①
1/4" = 1'-0"



STAIR 3 SECTION B ⑤
1/4" = 1'-0"



STAIR 3 SECTION A ④
1/4" = 1'-0"

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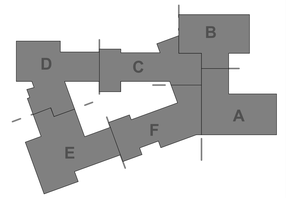

Dover HS / Career Technical Center
Dover, NH
Stair Plans & Sections

SCALE: 1/4" = 1'-0" DRAWN BY: CO CHECKED BY: Checker

DRAWING NUMBER
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JOB NUMBER 403114

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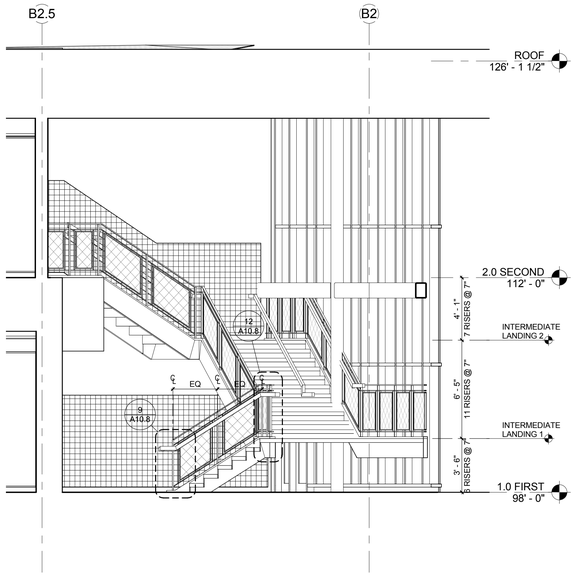

STAIR 4 SECTION A (5)
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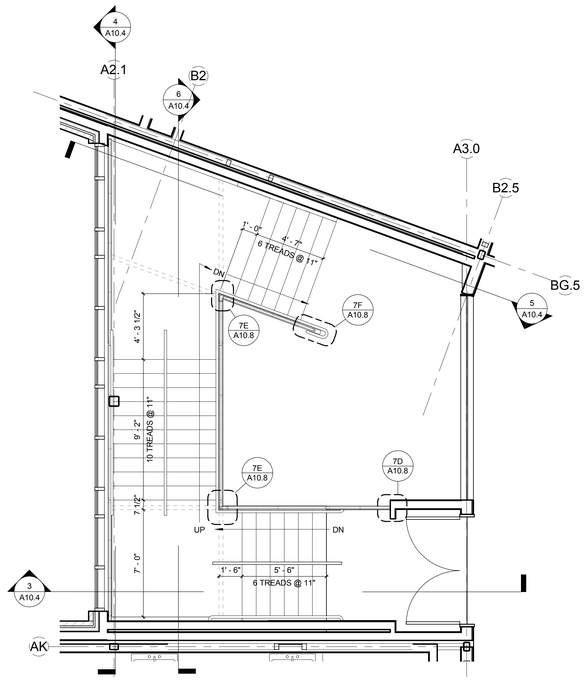

STAIR 4-2 PLAN (2)
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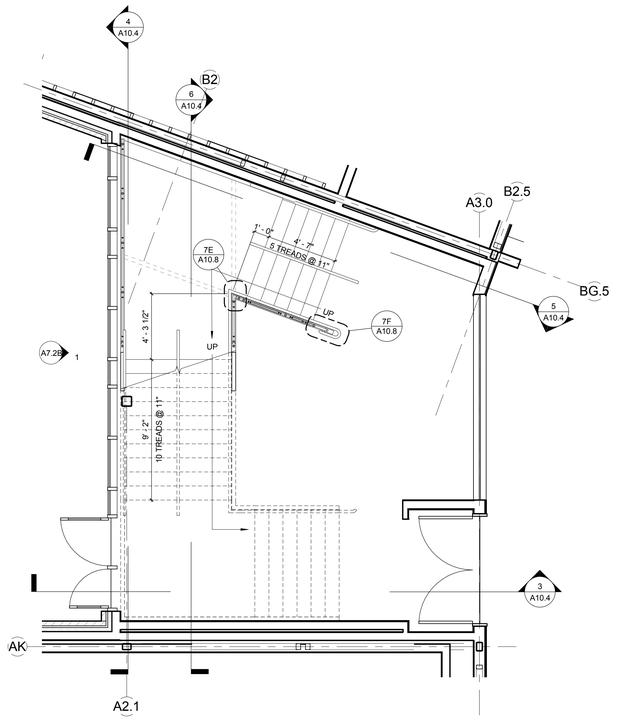
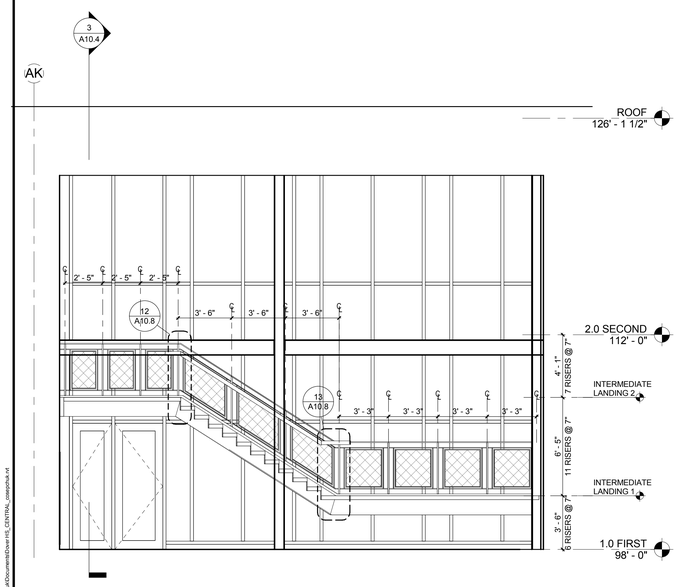
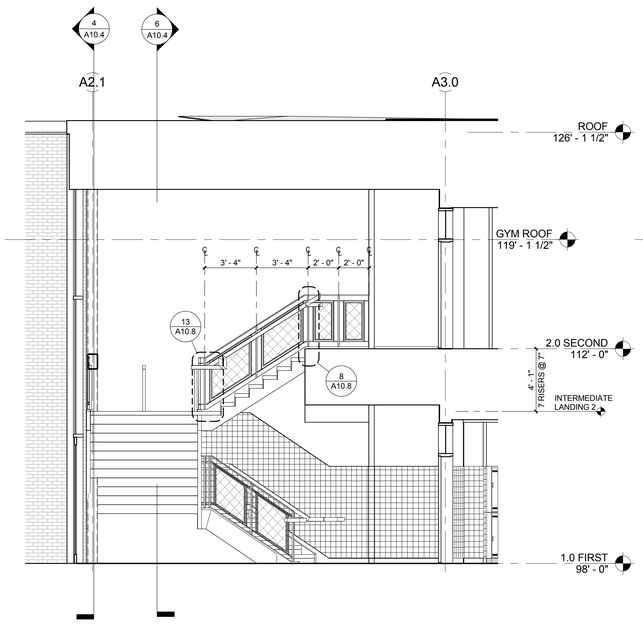


STAIR 4-1 PLAN (1)
1/4" = 1'-0"



STAIR 4 SECTION D (4)
1/4" = 1'-0"



STAIR 4 SECTION C (3)
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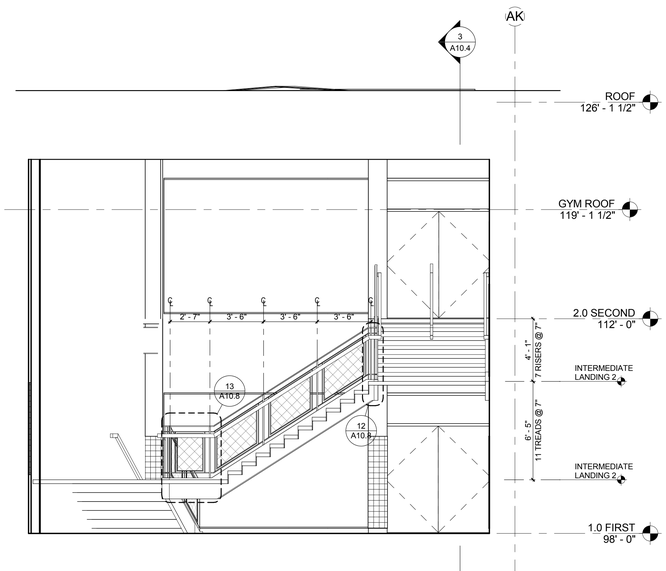

STAIR 4 SECTION B (6)
1/4" = 1'-0"

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Dover, NH

Stair Plans & Sections

SCALE: 1/4" = 1'-0"
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REVISIONS NO.	DATE	REMARKS	BY

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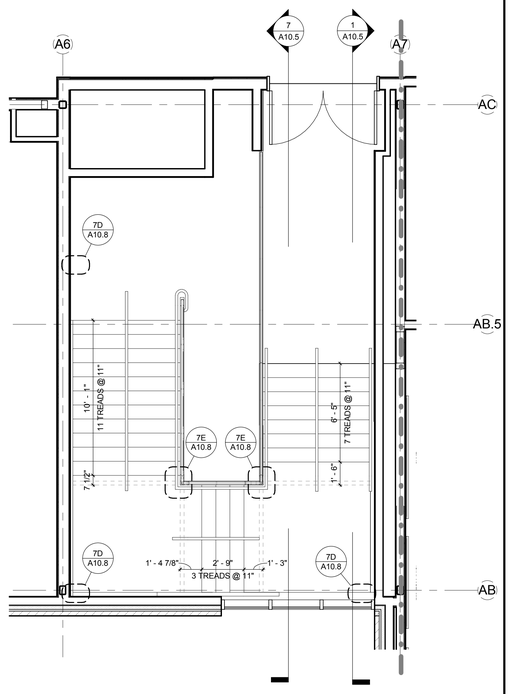
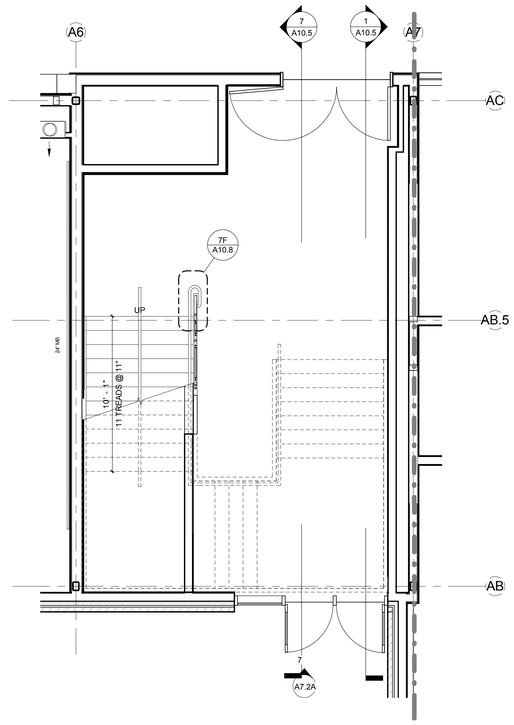


Stair 5-2 Plan (6)
1/4" = 1'-0"



Stair 5-1 Plan (5)
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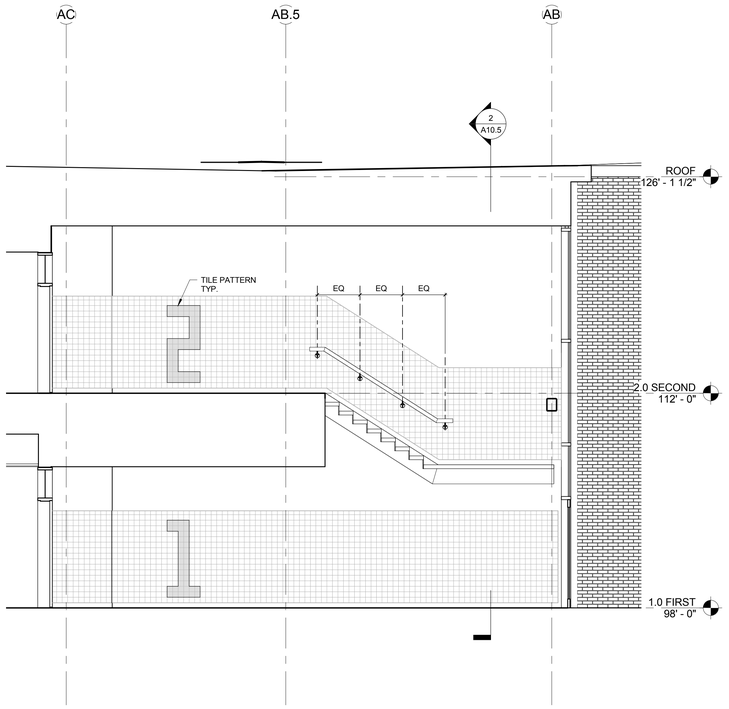
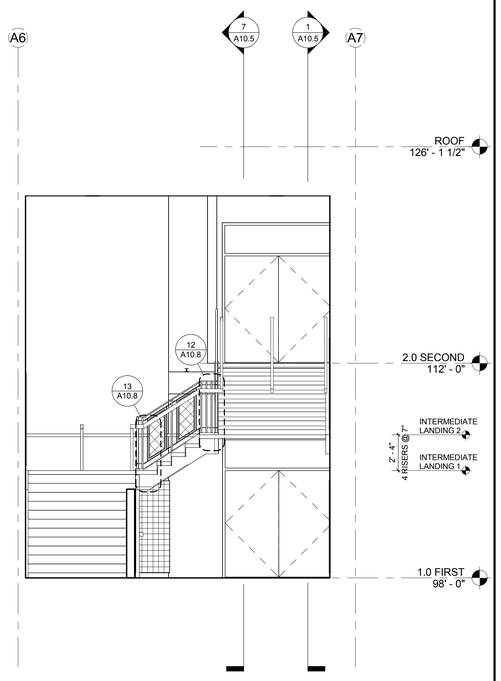
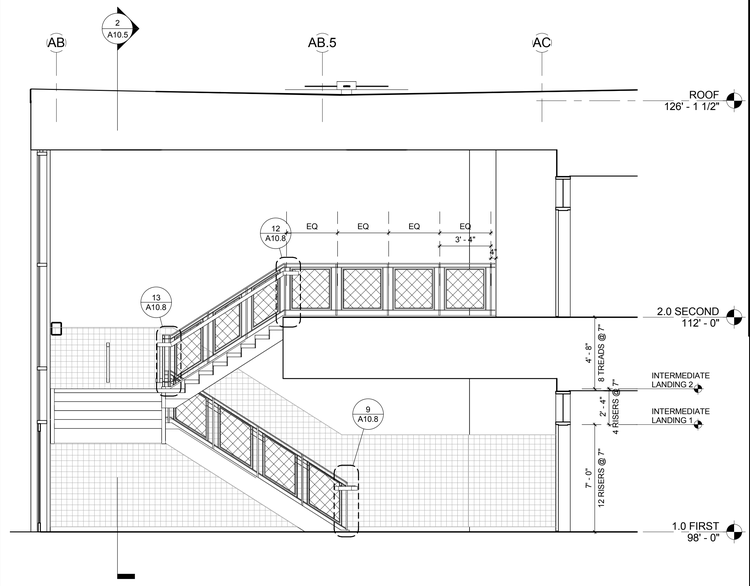


STAIR 5 SECTION C (1)
1/4" = 1'-0"



STAIR 5 SECTION B (2)
1/4" = 1'-0"



STAIR 5 SECTION A (7)
1/4" = 1'-0"

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SCALE: 1/4" = 1'-0" DRAWN BY: CO CHECKED BY: Checker

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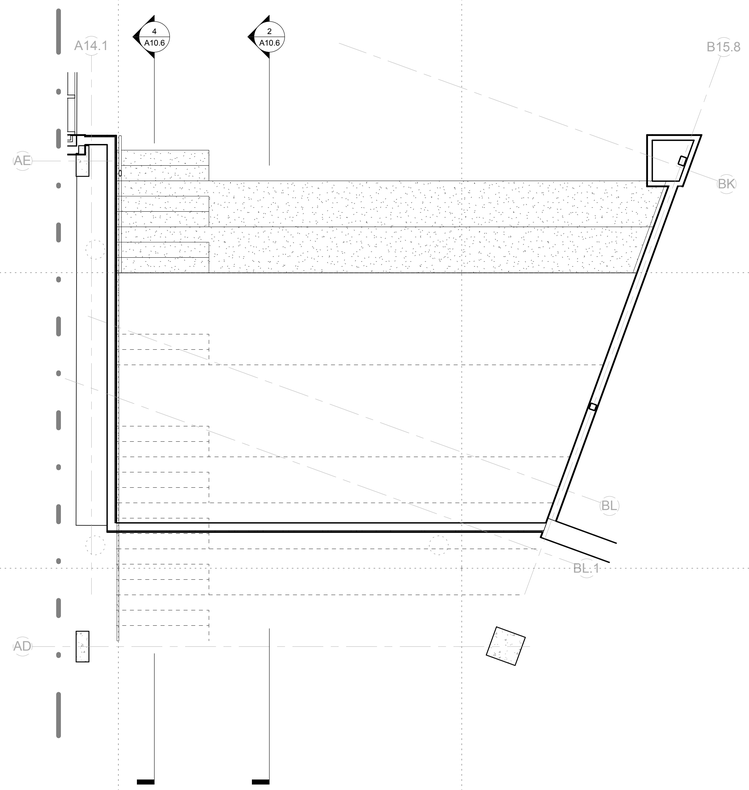
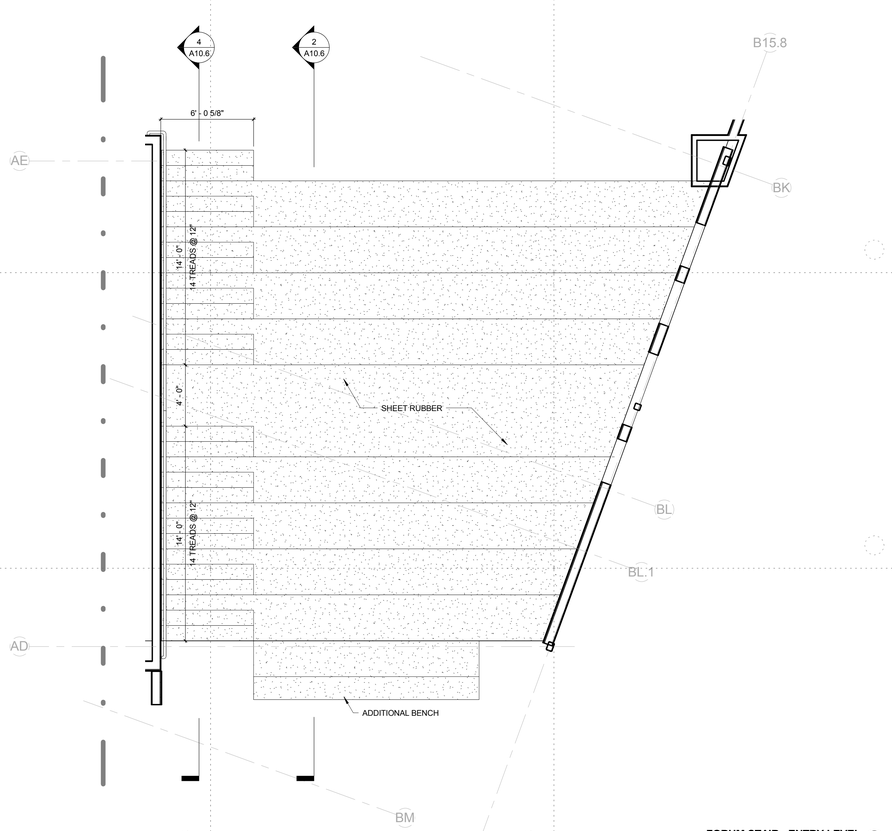
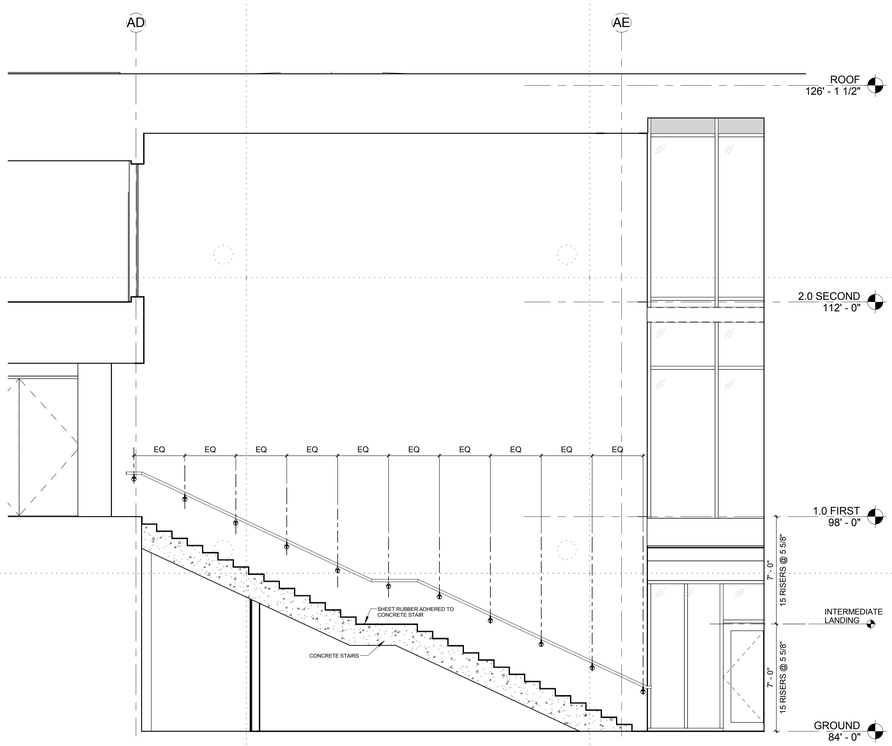


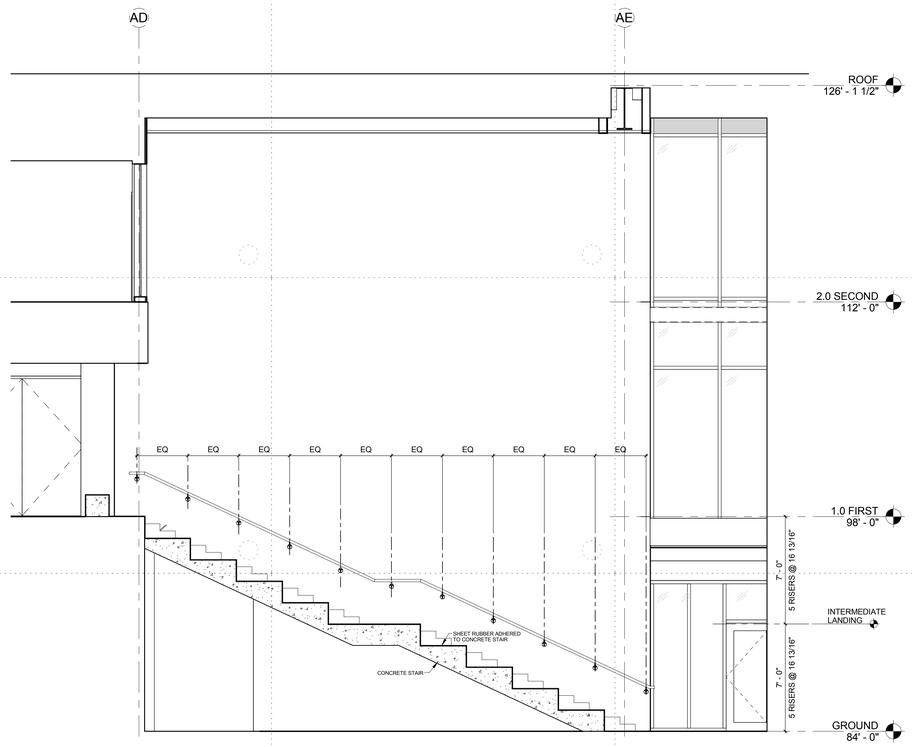
FORUM STAIR - LOWER LEVEL 3
1/4" = 1'-0"



FORUM STAIR - ENTRY LEVEL 1
1/4" = 1'-0"



FORUM STAIR SECTION 2 4
1/4" = 1'-0"



FORUM STAIR SECTION 1 2
1/4" = 1'-0"

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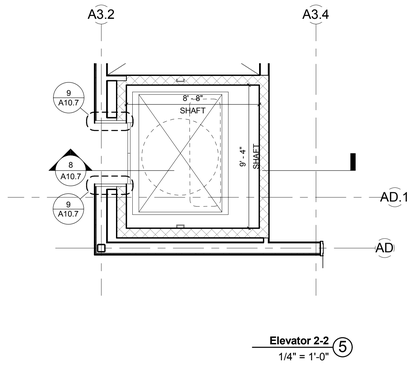
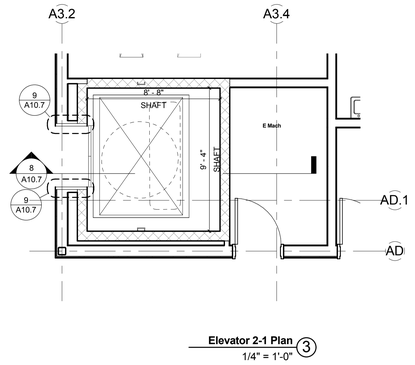
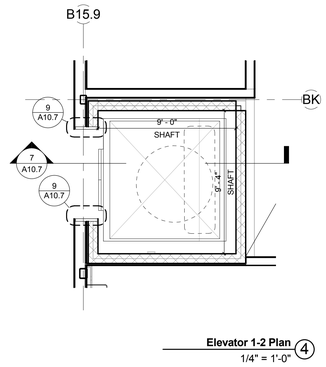


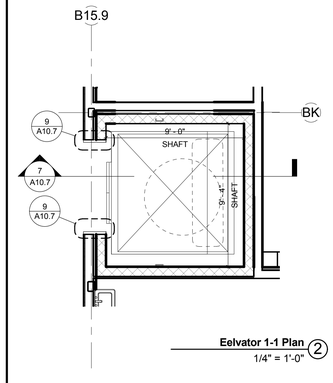
Elevator 2-2 5
1/4" = 1'-0"



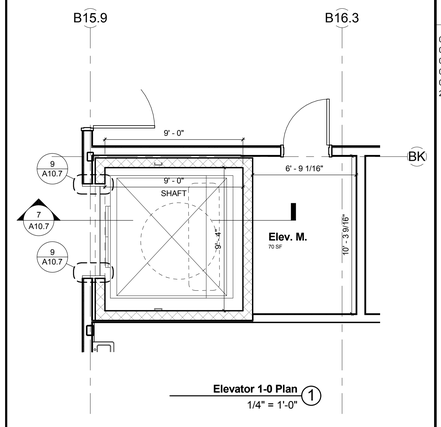
Elevator 2-1 Plan 3
1/4" = 1'-0"



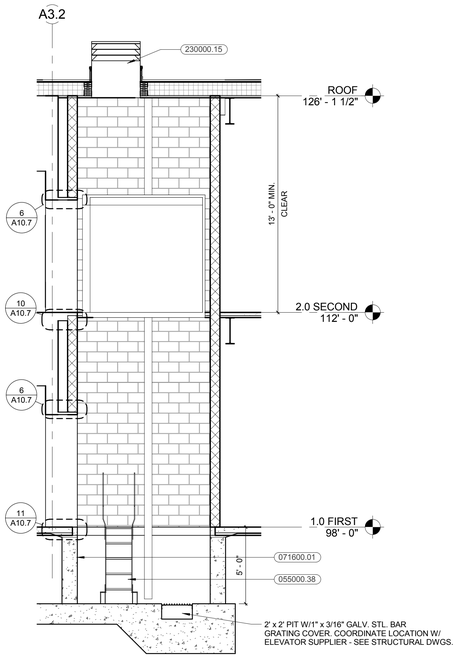
Elevator 1-2 Plan 4
1/4" = 1'-0"



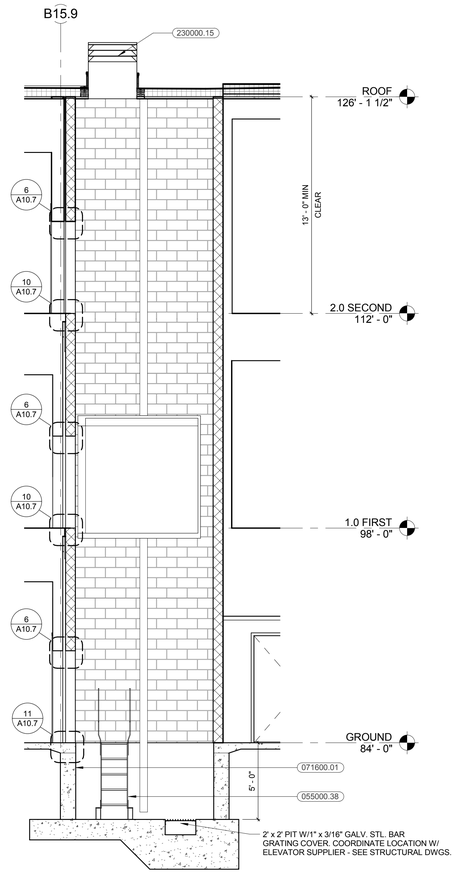
Eelvator 1-1 Plan 2
1/4" = 1'-0"



Elevator 1-0 Plan 1
1/4" = 1'-0"



Elevator 2 - Section B 8
1/4" = 1'-0"



Elevator 1 - Section B 7
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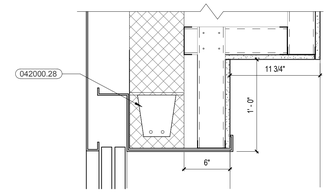
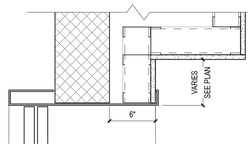
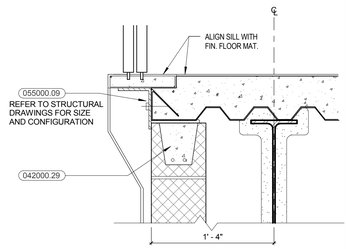


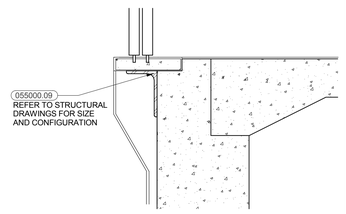
ELEVATOR HEAD DETAIL 6
1 1/2" = 1'-0"



ELEVATOR JAMB DETAIL 9
1 1/2" = 1'-0"



ELEVATOR SILL DETAIL 10
1 1/2" = 1'-0"



ELEVATOR SILL DETAIL @ FOUNDATION 11
1 1/2" = 1'-0"

KEYNOTE LIST

042000.28	CMU LINTEL BLOCK
042000.29	CMU BOND BEAM - CENTER SCORED
055000.09	6" X 4" 3/8" ELEVATOR SILL ANGLE (FULL WIDTH OF SHAFT)
055000.38	STEEL LADDER
071600.01	CEMENT-BASED WATERPROOFING
230000.15	ELEVATOR SHAFT VENT

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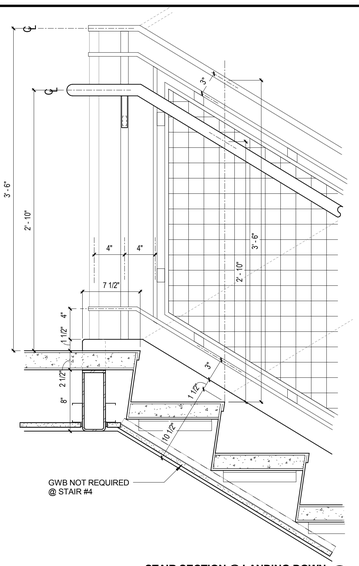
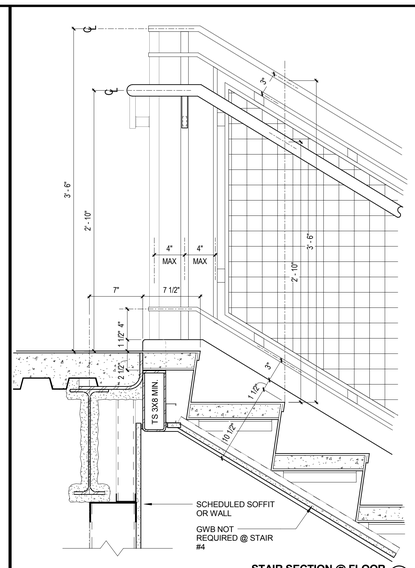
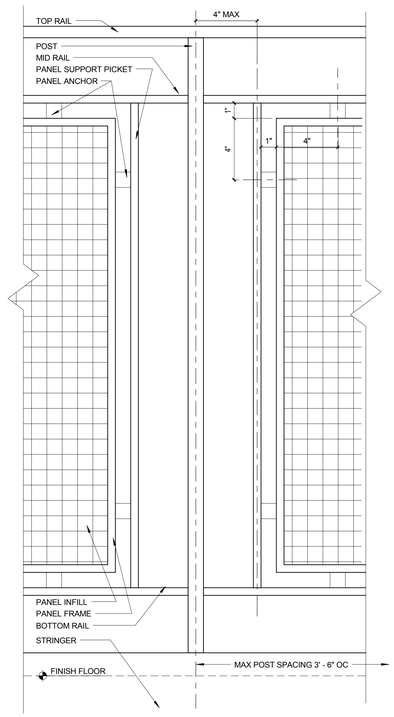


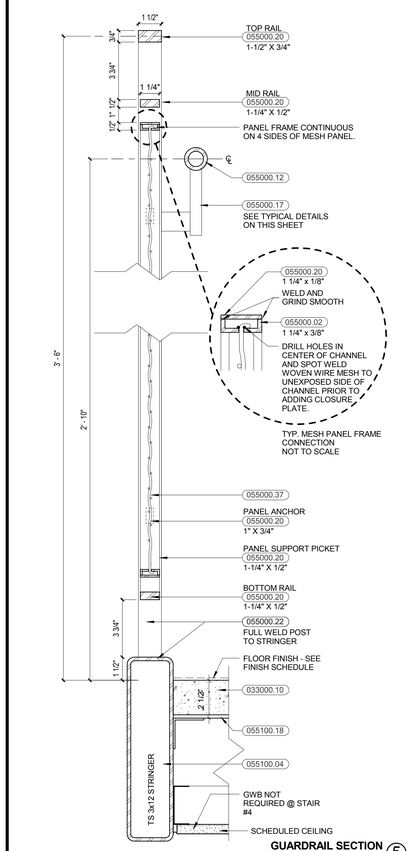
STAIR SECTION @ LANDING DOWN (12)
1 1/2" = 1'-0"



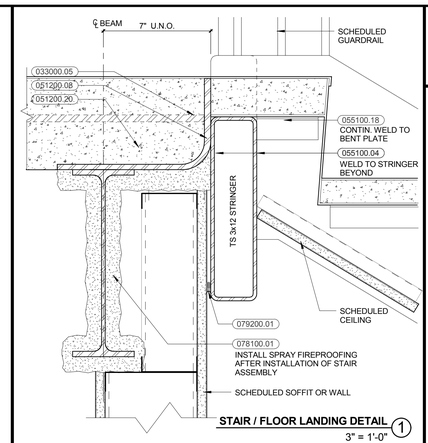
STAIR SECTION @ FLOOR (8)
1 1/2" = 1'-0"



GUARDRAIL ELEVATION (6)
3" = 1'-0"



GUARDRAIL SECTION (5)
3" = 1'-0"



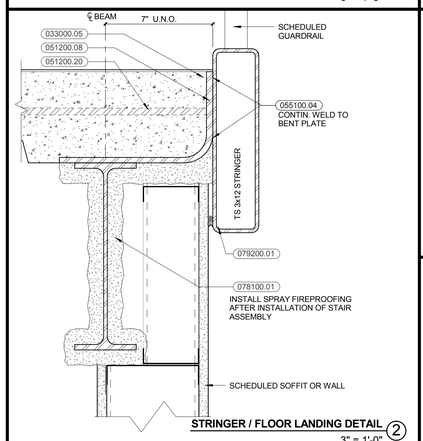
STAIR / FLOOR LANDING DETAIL (1)
3" = 1'-0"

STAIR DETAIL GENERAL NOTES

1) ALL EDGES OF STEEL BARS SHALL BE EASED
2) ALL WELDS SHALL BE NEAT AND GROUND SMOOTH PRIOR TO APPLYING FINISH
3) ALL EXPOSED METAL COMPONENTS SHALL RECIEVE HIGH PERFORMANCE PAINT FINISH (BY ……) UNLESS OTHERWISE NOTED

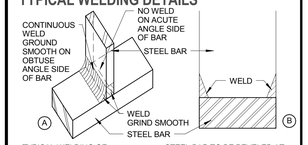
KEYNOTE LIST

033000.05	CONCRETE SLAB ON METAL DECK
033000.10	CONCRETE FILL
051200	STRUCTURAL STEEL FRAMING
051200.08	STEEL BENT PLATE
051200.20	
055000.02	STEEL CHANNEL
055000.12	1-1/4" NOMINAL (1.660" O.D.) STEEL PIPE
055000.13	1-1/2" NOMINAL (1.900" O.D.) STEEL PIPE
055000.17	HANDRAIL MOUNTING BRACKET WELDED TO POST
055000.19	SEMI-SPHERICAL PIPE-RAIL BULLET CAP
055000.20	STEEL BAR
055000.21	STEEL PLATE
055000.22	1-1/2" X 1" STEEL POST
055000.24	STEEL CLOSURE PLATE
055000.29	EXPANSION ANCHOR(S) AS NECESSARY
055000.30	ATTACHMENT SCREW(S) AS NECESSARY
055000.37	WOVEN WIRE MESH
055100	
055100.04	
055100.05	
055100.18	
055100.27	
061000.15	CONTINUOUS WOOD BLOCKING, SIZE AS REQUIRED
078100.01	SPRAYED FIREPROOFING
079200.01	INTERIOR SEALANT AND BACKEROD
079200.04	INTERIOR SEALANT
093000.05	THIN SET PORCELAIN FLOOR TILE
093000.33	



STRINGER / FLOOR LANDING DETAIL (2)
3" = 1'-0"

TYPICAL WELDING DETAILS



TYPICAL WELDING OF PERPENDICULAR STAIR RAIL BAR MEMBERS: NO WELD ON ACUTE (UPHILL) SIDE OF VERTICAL, SINCE IT CANNOT BE PROPERLY GROUND SMOOTH. CONTINUOUS WELD, GROUND SMOOTH ON OBTUSE (DOWNHILL) SIDE OF VERTICAL MEMBER. AS SHOWN IN DETAIL A ABOVE.

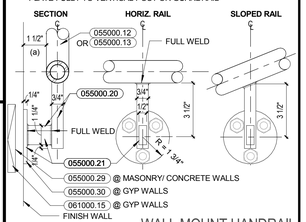
STEEL BAR TO BE BEVELED AT CORNERS. BEVEL TO BE FILLED WITH WELD. WELD TO BE GROUND FLUSH WITH EDGE OF ADJACENT MEMBER. AS SHOWN IN DETAIL B ABOVE.

TYPICAL HANDRAIL BRACKET DETAILS

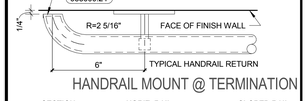
GENERAL HANDRAIL NOTES:

(a) NO TOLERANCE IS ALLOWED WITH THIS DIMENSION. THE GAP BETWEEN THE HANDRAIL AND THE FINISH SURFACE TO POST MUST BE EXACTLY 1 1/2". (REF. 521 CMR MAAB 27.4.7)

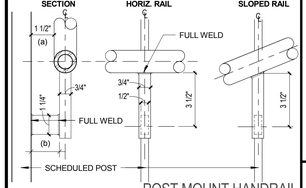
(b) POST MOUNT DETAIL IS THE SAME AS WALL MOUNT DETAIL EXCEPT THAT WALL PLATE AND ANCHOR BOLTS ARE OMITTED. WELD STEEL PLATE FULLY TO VERTICAL POST OR GUARDRAIL



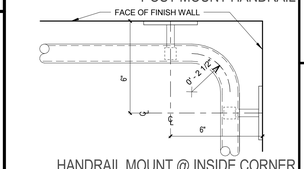
WALL MOUNT HANDRAIL



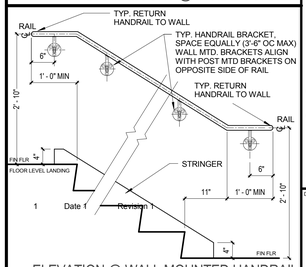
HANDRAIL MOUNT @ TERMINATION



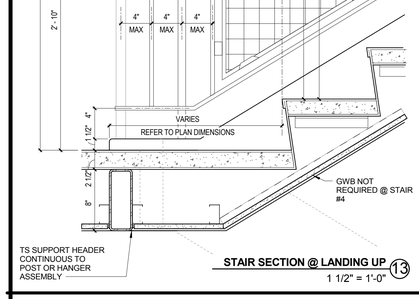
POST MOUNT HANDRAIL



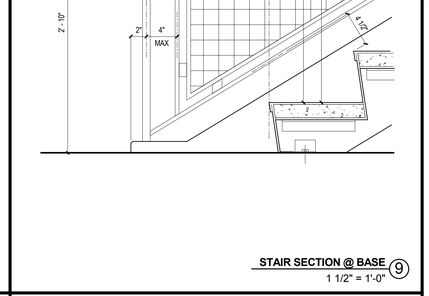
HANDRAIL MOUNT @ INSIDE CORNER



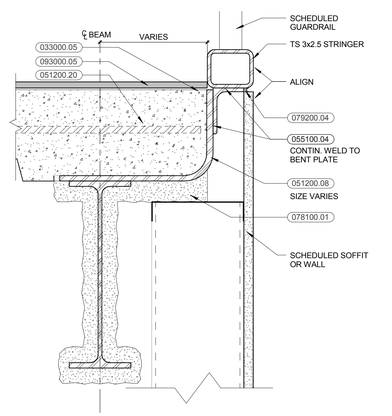
ELEVATION @ WALL MOUNTED HANDRAIL



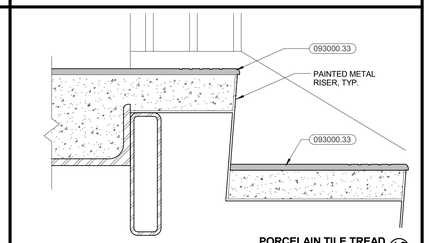
STAIR SECTION @ LANDING UP (13)
1 1/2" = 1'-0"



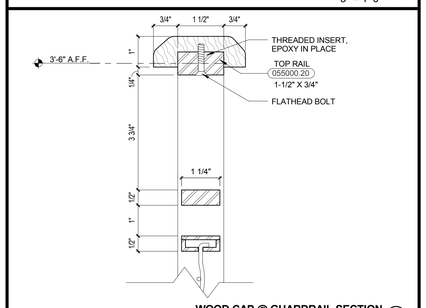
STAIR SECTION @ BASE (9)
1 1/2" = 1'-0"



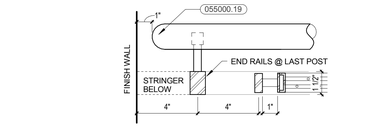
GUARDRAIL BASE DETAIL @ BRIDGE (14)
3" = 1'-0"



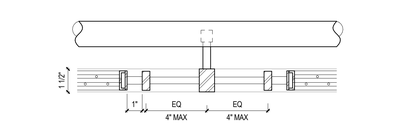
PORCELAIN TILE TREAD (10)
3" = 1'-0"



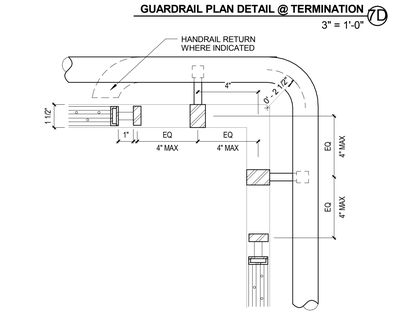
WOOD CAP @ GUARDRAIL SECTION (11)
6" = 1'-0"



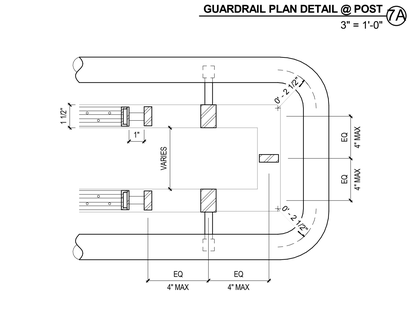
GUARDRAIL PLAN DETAIL @ TERMINATION (7D)
3" = 1'-0"



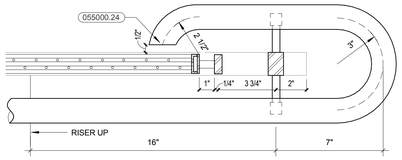
GUARDRAIL PLAN DETAIL @ POST (7A)
3" = 1'-0"



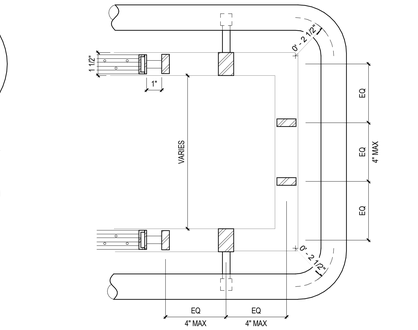
GUARDRAIL PLAN DETAIL @ CORNER (7E)
3" = 1'-0"



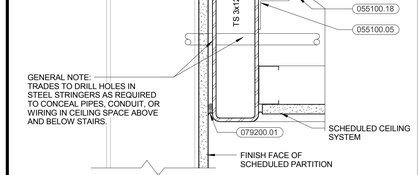
GUARDRAIL PLAN DETAIL @ RETURN (7B)
3" = 1'-0"



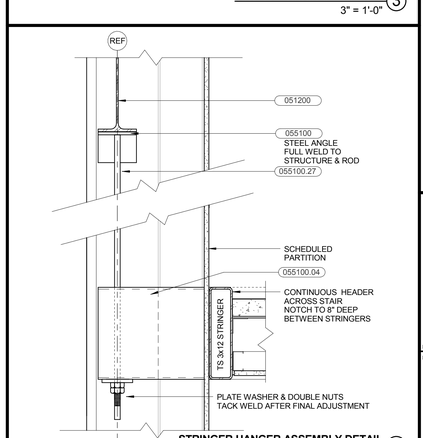
GUARDRAIL PLAN DETAIL @ BOTTOM OF STAIRS (7F)
3" = 1'-0"



GUARDRAIL PLAN DETAIL @ RETURN 2 (7C)
3" = 1'-0"



STRINGER TO WALL DETAIL (3)
3" = 1'-0"



STRINGER HANGER ASSEMBLY DETAIL (4)
1 1/2" = 1'-0"

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Dover, NH
Stair Details

SCALE: As Indicated | DRAWN BY: CO | CHECKED BY: ADVV

DRAWING NUMBER
A10.8

JOB NUMBER 403114

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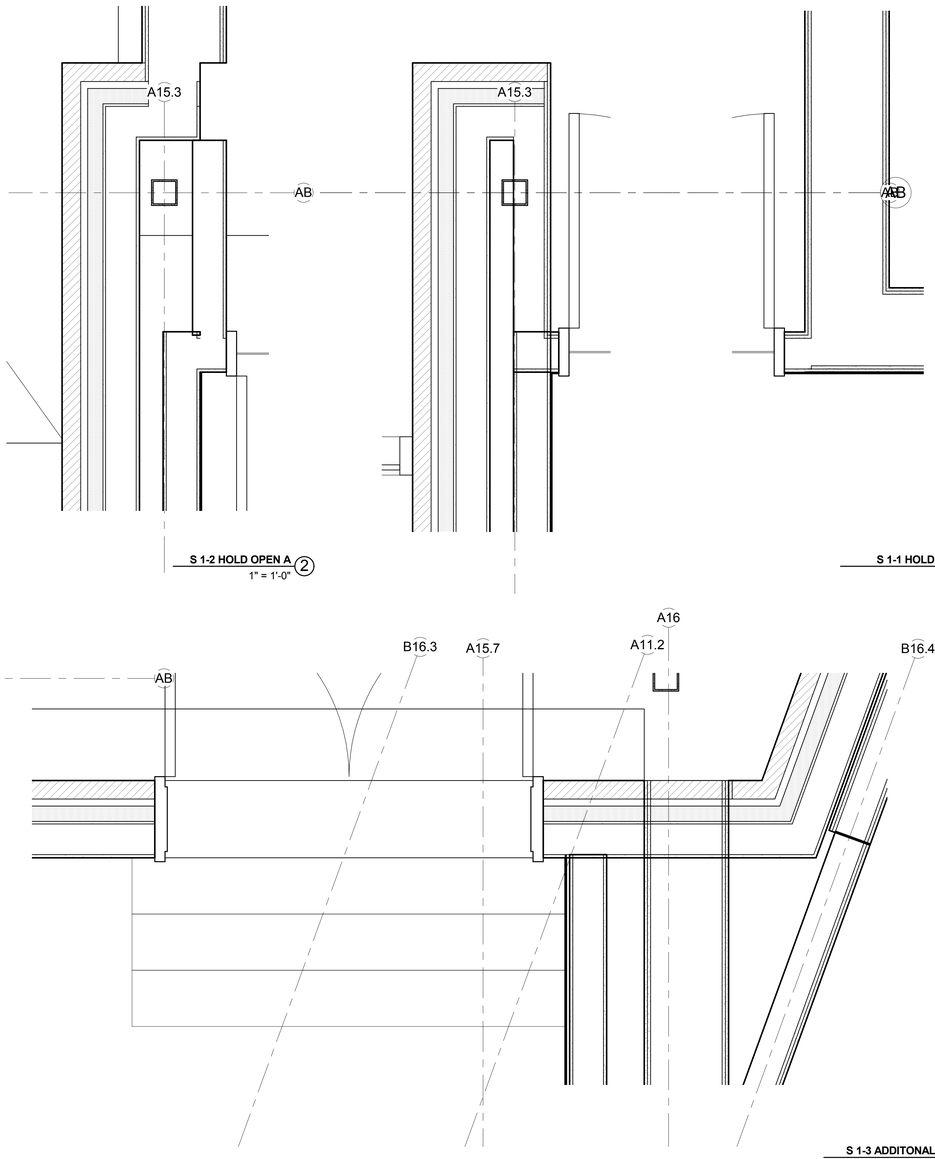
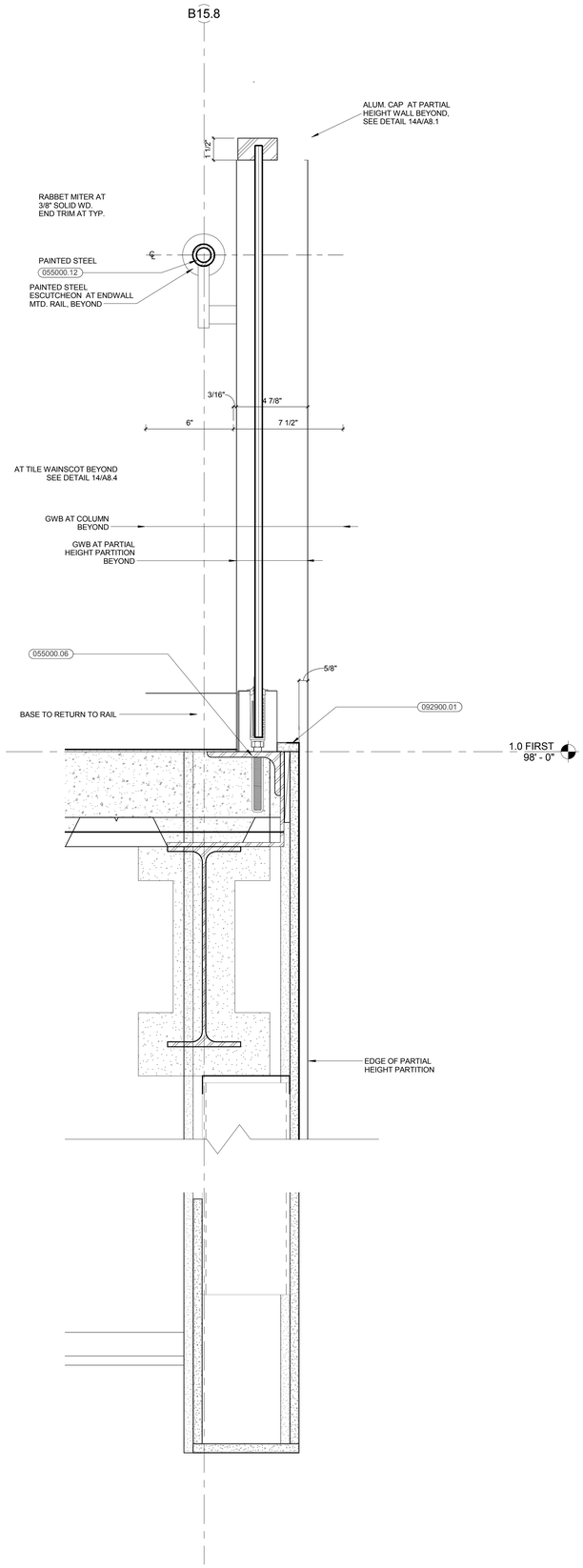


S 1-2 HOLD OPEN A (2)
1" = 1'-0"

S 1-1 HOLD OPEN A (1)
1" = 1'-0"

S 1-3 ADDITONAL RISERS (3)
1" = 1'-0"



GLASS HANDRAIL (4)
3" = 1'-0"

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REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A10.9

JOB NUMBER 403114

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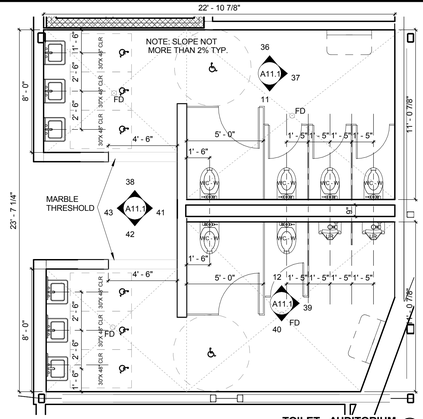
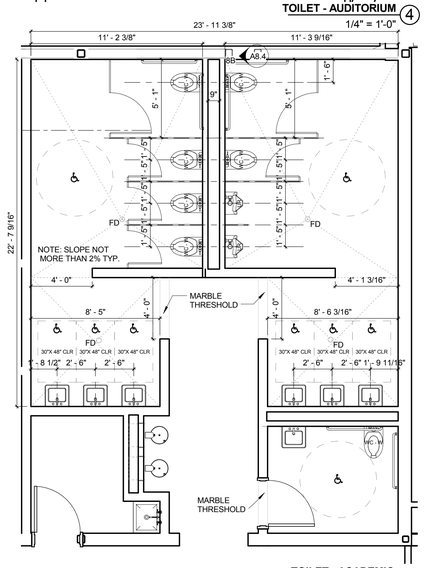


TOILET - AUDITORIUM 4
1/4" = 1'-0"



TOILET - ACADEMIC 1
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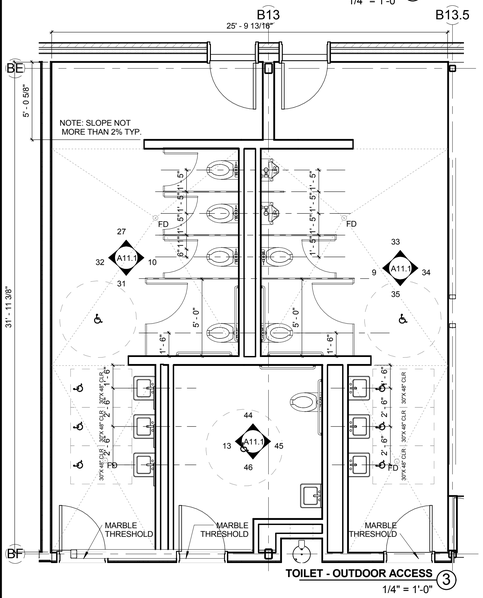
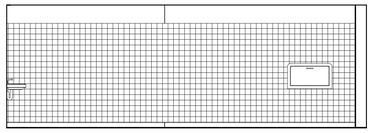
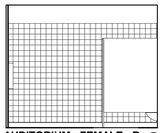


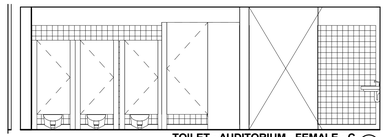
TOILET - OUTDOOR ACCESS 3
1/4" = 1'-0"



TOILET - AUDITORIUM - FEMALE - A 36
1/4" = 1'-0"



TOILET - AUDITORIUM - FEMALE - B 37
1/4" = 1'-0"



TOILET - AUDITORIUM - FEMALE - C 11
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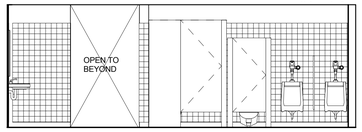
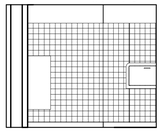
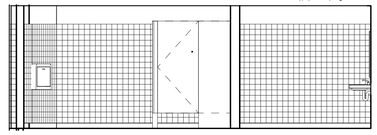


TOILET - AUDITORIUM - MALE - A 12
1/4" = 1'-0"

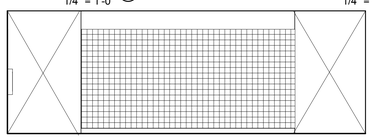


TOILET - AUDITORIUM - MALE - B 39
1/4" = 1'-0"



TOILET - AUDITORIUM - MALE - C 40
1/4" = 1'-0"

TOILET - AUDITORIUM - ENTRY - A 38
1/4" = 1'-0"



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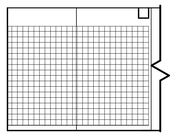

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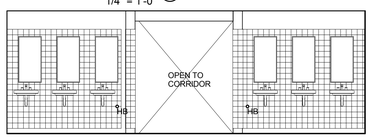
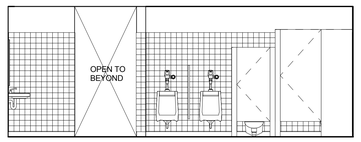


TOILET - AUDITORIUM - ENTRY - D 43
1/4" = 1'-0"



TOILET - ACADEMIC - MALE - B 28
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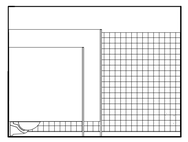

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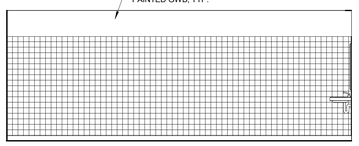

TOILET - ACADEMIC - MALE - D 30
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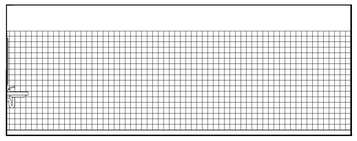

TOILET - ACADEMIC - FEMALE - B 24
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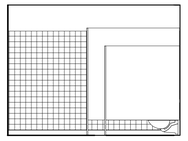

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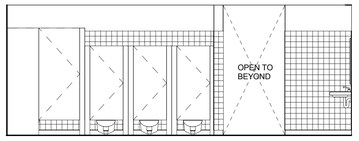

TOILET - ACADEMIC - FEMALE - D 26
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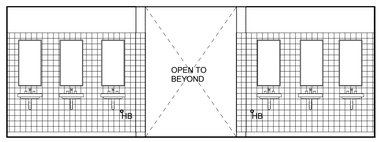
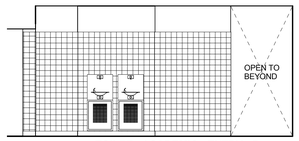


TOILET - ACADEMIC - ENTRY - A 7
1/4" = 1'-0"



TOILET - ACADEMIC - ENTRY - B 8
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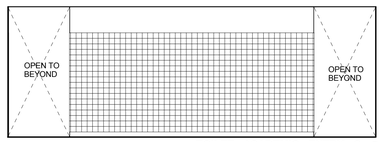
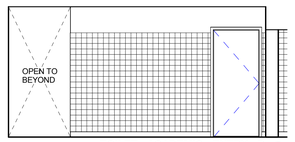


TOILET - ACADEMIC - ENTRY - C 22
1/4" = 1'-0"



TOILET - ACADEMIC - ENTRY - D 23
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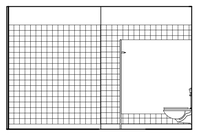
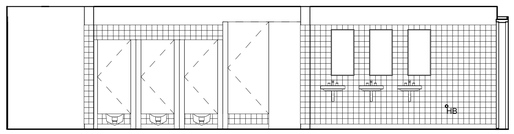
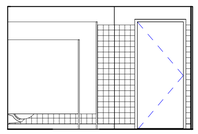


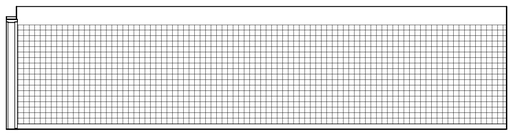
TOILET - OUTDOOR ACCESS - FEMALE - A 27
1/4" = 1'-0"



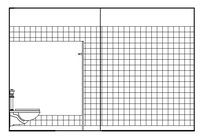
Toilet - Outdoor Acess - B 10
1/4" = 1'-0"



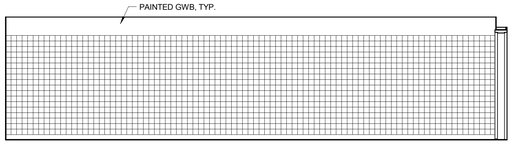
TOILET - OUTDOOR ACCESS - FEMALE - C 31
1/4" = 1'-0"



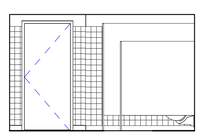
TOILET - OUTDOOR ACCESS - FEMALE - D 32
1/4" = 1'-0"



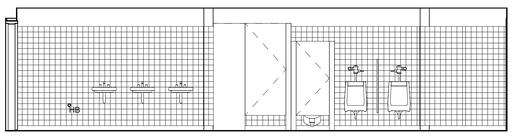
TOILET - OUTDOOR ACCESS - MALE - A 33
1/4" = 1'-0"



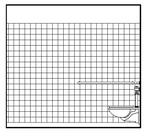
TOILET - OUTDOOR ACCESS - MALE - B 34
1/4" = 1'-0"



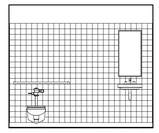
TOILET - OUTDOOR ACCESS - MALE - C 35
1/4" = 1'-0"



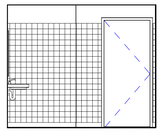
TOILET - OUTDOOR ACCESS - MALE - D 9
1/4" = 1'-0"



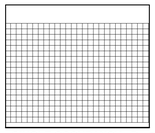
SINGLE OCCUPANCY - A 44
1/4" = 1'-0"



SINGLE OCCUPANCY - B 45
1/4" = 1'-0"



SINGLE OCCUPANCY - C 46
1/4" = 1'-0"



SINGLE OCCUPANCY - D 13
1/4" = 1'-0"

ABBREVIATIONS-TOILET PLANS

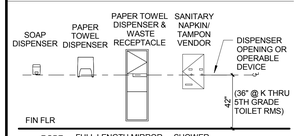
(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

HC	=HANDICAPPED ACCESSIBLE	
CLR	=CLEAR DIMENSION	
BNC	=BENCH	102100
DF	= DRINKING FOUNTAIN	220000
EWC	=ELECTRIC WATER COOLER-HI/LO UNIT	220000
GB	=GRAB BAR	102800
GB-C	=GRAB BAR-CHILDRENS	102800
HB	=HOSE BIB	220000
LAV	=LAVATORY	220000
MIR	= MIRROR	102800
FD	= FLOOR DRAIN	220000
PTD-S	= PAPER TOILEL DISPENSER-SURFACE MTD UNIT	102800
PTD-R	= PAPER TOWEL DISPENSER-RECESSED UNIT	102800
PTD/WR	= PAPER TOWEL DISPENSER/ WASTE RECEPTACLE-SURFACE MTD	102800
PTD/WR-S	= PAPER TOWEL DISPENSER/ WASTE RECEPTACLE-SEMI RECESSED MTD	102800
PTD/WR-R	= PAPER TOWEL DISPENSER/ WASTE RECEPTACLE-RECESSED MTD	102800
RH	= ROBE HOOK	102800
SD-S	=SOAP DISPENSER-SURFACE MTD UNIT	102800
SD-R	= SOAP DISPENSER- RECESSED UNIT	102800
SND-S	=SANITARY NAPKIN DISPOSAL-SURFACE MTD	102800
SND-R	=SANITARY NAPKIN DISPOSAL-RECESSED MTD	102800
SND-PM	=SANITARY NAPKIN DISPOSAL- PARTITION MTD	102800
SNV-S	=SANITARY NAPKIN VENDOR-SURFACE MTD	102800
SNV-R	=SANITARY NAPKIN VENDOR-RECESS MTD	102800
TP-S	=TOILET PAPER DISPENSER-SURFACE MTD	102800
TP-R	=TOILET PAPER DISPENSER-RECESSED MTD	102800
TP-PM	=TOILET PAPER DISPENSER-PARTITION MTD	102800
T-PART	=TOILET PARTITIONS	102100
UR	=URINAL	220000
UR-SC	=URINAL SCREEN	102100
WC-W	=WATER CLOSET-WALL MTD	220000
WC-F	=WATER CLOSET-FLOOR MTD	220000
WR-S	=WASTE RECEPTACLE-SURFACE MTD	102800
WR-R	=WASTE RECEPTACLE-RECESSED MTD	102800
WR-SR	=WASTE RECEPTACLE-SEMI-RECESSED MTD	102800

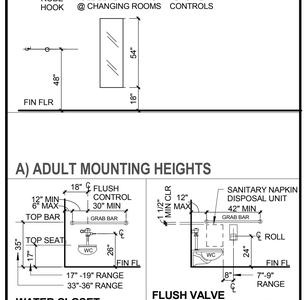
GENERAL NOTES-TOILET PLANS

1) TOILET PLAN GENERAL NOTES, LEGEND & ABBREVIATIONS APPLY TO THE A11 SERIES SHEETS.
2) CONTRACTOR SHALL CONFIRM ALL FIXTURE MOUNTING DIMENSIONS & MANEUVERING CLEARANCES WITH THE APPLICABLE ACCESSIBILITY CODES IN THE JURISTICTION OF THIS PROJECT. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO INSTALLATION.
3) PROVIDE CONCEALED BLOCKING IN ALL PARTITIONS TO ACCOMMODATE FIXTURE AND ACCESSORY INSTALLATION. BLOCKING SHALL BE INSTALLED UNDER SEC. 061000 & 092900 AS REQUIRED.
4) ALL FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET, NOT THE WALL SIDE.
5) URINAL SCREENS ADJACENT TO ACCESSIBLE URINALS MUST NOT EXTEND BEYOND THE RIM OFTHE URINAL U.N.O. VERIFY DIMENSIONS IN THE FIELD PRIOR TO FABRICATING URINAL SCREEN.
6) AT LOCATIONS WHERE FIXTURES AND/OR ACCESSORIES ARE INDICATED TO BE PROVIDED BY THE OWNER, THE CONTRACTOR SHALL PROVIDE NECESSARY CONCEALED BLOCKING FOR FUTURE INSTALLATION OF SAID FIXTURES. COORDINATE WITH OWNER PRIOR TO PROCEEDING.
7) INSULATE PIPES ON ALL SINKS THROUGHOUT.
8) DO NOT MOUNT ANY TOILET ACCESSORIES ABOVE THE GRAB BARS.
9) AT ACCESSIBLE WATERCLOSETS, DO NOT PROVIDE SPRING MOUNTED TOILET SEATS TO RETURN THEM TO THE LIFTED POSITION.

C) MISCELLANEOUS ACCESSORIES

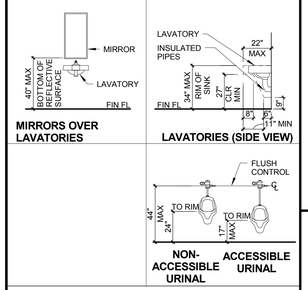


A) ADULT MOUNTING HEIGHTS



WATER CLOSET BACK GRAB BAR

FLUSH VALVE TOILET PAPER HOLDER SIDE GRAB BAR



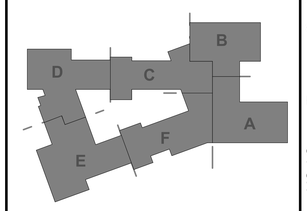
MIRRORS OVER LAVATORIES

LAVATORIES (SIDE VIEW)

NON-ACCESSIBLE URINAL

ACCESSIBLE URINAL

KEYPLAN



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100% Design Development
3/15/2016

Dover HS / Career Technical Center
Dover, NH
Toilet Plans and Elevations

SCALE: As indicated | DRAWN BY: Author | CHECKED BY: Checker

DRAWING NUMBER
A11.1

JOB NUMBER 403114

3/14/2016 4:13:00 PM C:\Users\rwashington\Documents\Revit\HS_CENTRAL_rwashington.rvt

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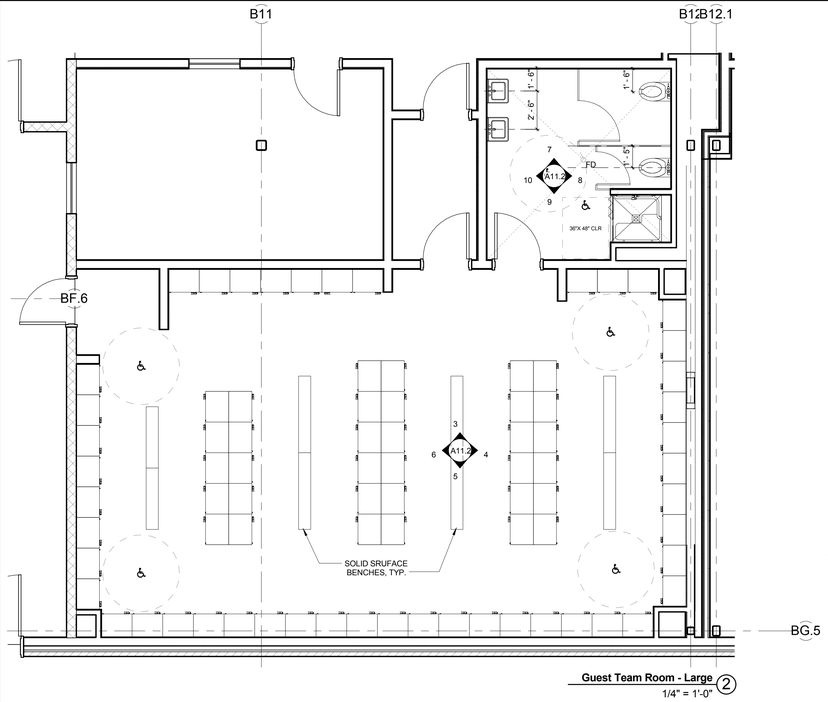
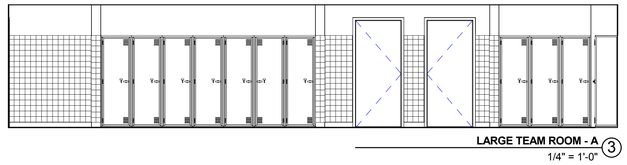
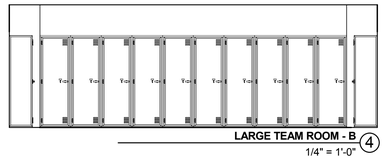


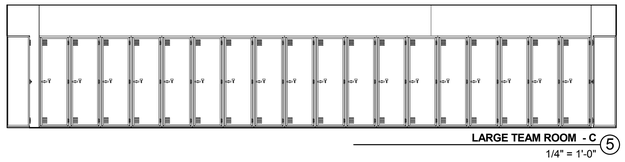
Guest Team Room - Large 2
1/4" = 1'-0"



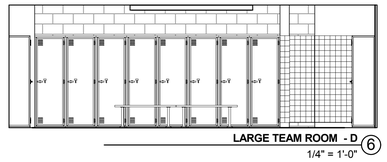
LARGE TEAM ROOM - A 3
1/4" = 1'-0"



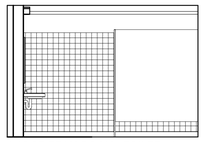
LARGE TEAM ROOM - B 4
1/4" = 1'-0"



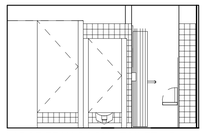
LARGE TEAM ROOM - C 5
1/4" = 1'-0"



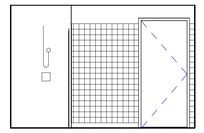
LARGE TEAM ROOM - D 6
1/4" = 1'-0"



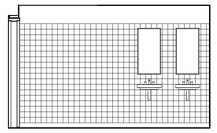
LARGE TEAM ROOM - TOILET - A 7
1/4" = 1'-0"



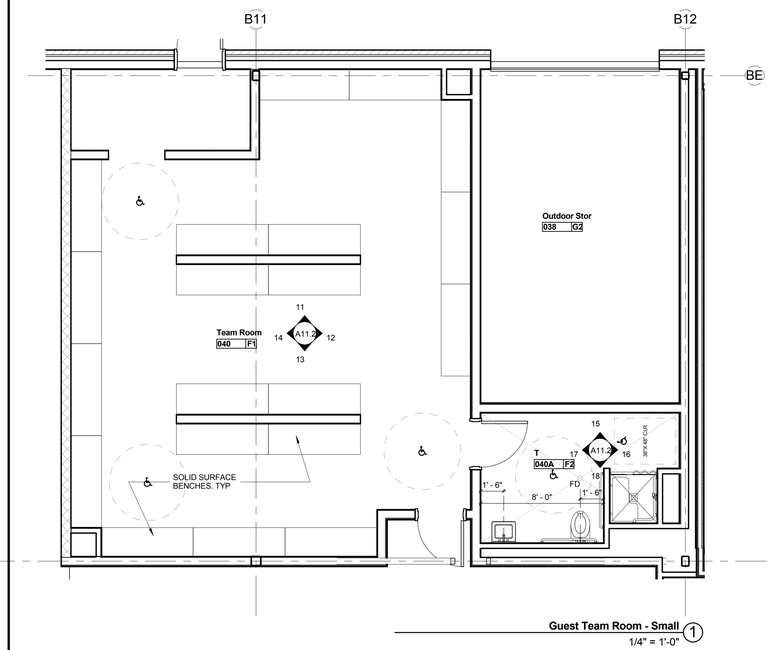
LARGE TEAM ROOM - TOILET - B 8
1/4" = 1'-0"



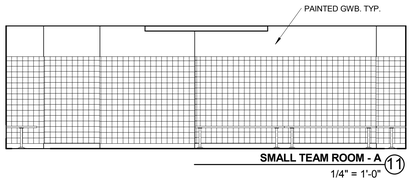
LARGE TEAM ROOM - TOILET - C 9
1/4" = 1'-0"



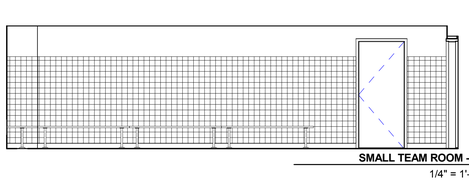
LARGE TEAM ROOM - TOILET - D 10
1/4" = 1'-0"



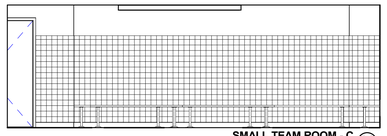
Guest Team Room - Small 1
1/4" = 1'-0"



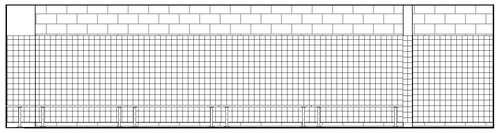
SMALL TEAM ROOM - A 11
1/4" = 1'-0"



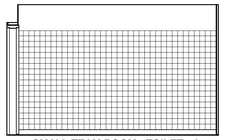
SMALL TEAM ROOM - B 12
1/4" = 1'-0"



SMALL TEAM ROOM - C 13
1/4" = 1'-0"



SMALL TEAM ROOM - D 14
1/4" = 1'-0"



SMALL TEAM ROOM - TOILET - A 15
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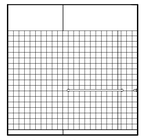

SMALL TEAM ROOM - TOILET - B 16
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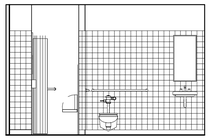

SMALL TEAM ROOM - TOILET - C 18
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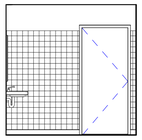
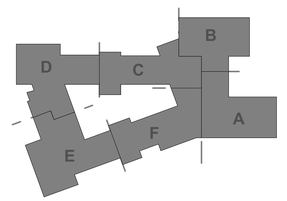


SMALL TEAM ROOM - TOILET - D 17
1/4" = 1'-0"

KEYPLAN



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Dover HS / Career Technical Center
Dover, NH
Locker Rooms and Elevations

SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A11.2

JOB NUMBER 403114

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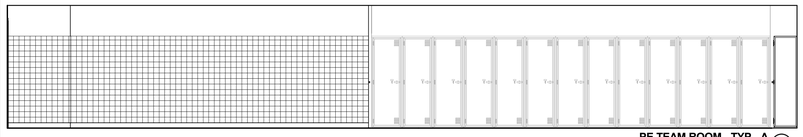
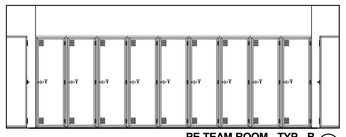
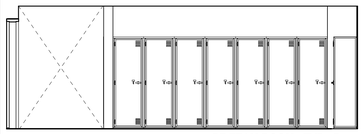


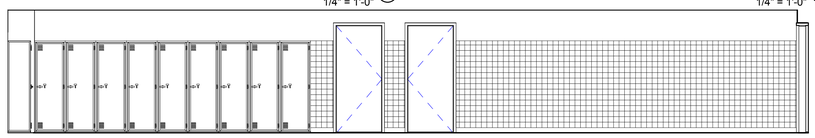
PE TEAM ROOM - TYP - A (8)
1/4" = 1'-0"



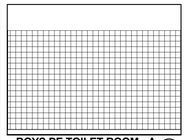
PE TEAM ROOM - TYP - B (9)
1/4" = 1'-0"



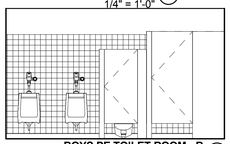
PE TEAM ROOM - TYP - D (11)
1/4" = 1'-0"



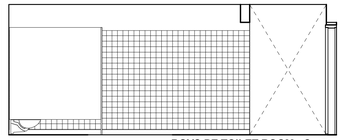
PE TEAM ROOM - TYP - C (10)
1/4" = 1'-0"



BOYS PE TOILET ROOM - A (5)
1/4" = 1'-0"



BOYS PE TOILET ROOM - B (6)
1/4" = 1'-0"



BOYS PE TOILET ROOM - C (1)
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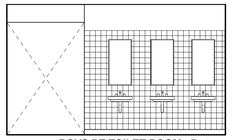

BOYS PE TOILET ROOM - D (7)
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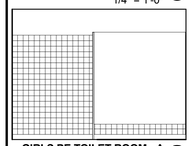
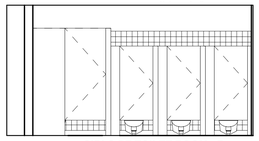


GIRLS PE TOILET ROOM - A (4)
1/4" = 1'-0"



GIRLS PE TOILET ROOM - B (32)
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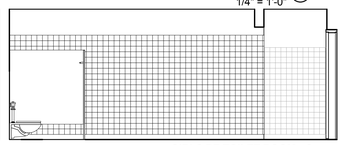

GIRLS PE TOILET ROOM - C (33)
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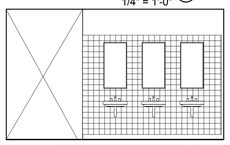

GIRLS PE TOILET ROOM - D (34)
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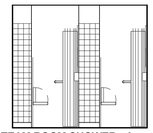
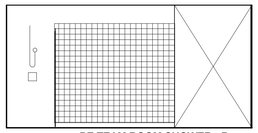
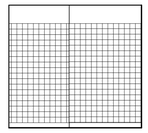


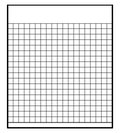
PE TEAM ROOM SHOWER - A (12)
1/4" = 1'-0"



PE TEAM ROOM SHOWER - B (14)
1/4" = 1'-0"



PE TEAM ROOM SHOWER - C (2)
1/4" = 1'-0"



PE TEAM ROOM SHOWER - D (13)
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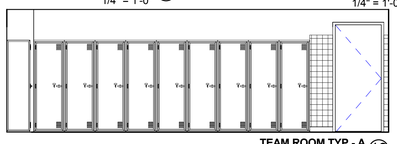
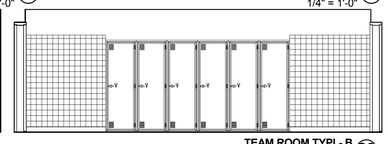


TEAM ROOM TYP - A (19)
1/4" = 1'-0"



TEAM ROOM TYPI - B (20)
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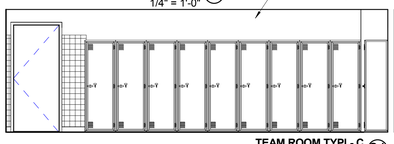
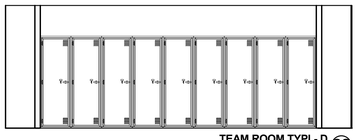


TEAM ROOM TYPI - C (21)
1/4" = 1'-0"



TEAM ROOM TYPI - D (22)
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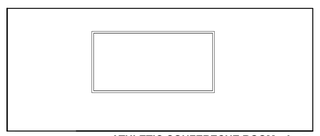
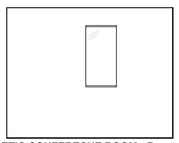
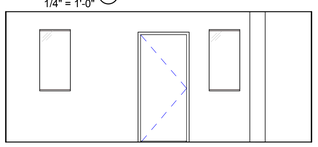


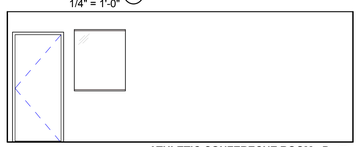
ATHLETIC CONFERECNE ROOM - A (3)
1/4" = 1'-0"



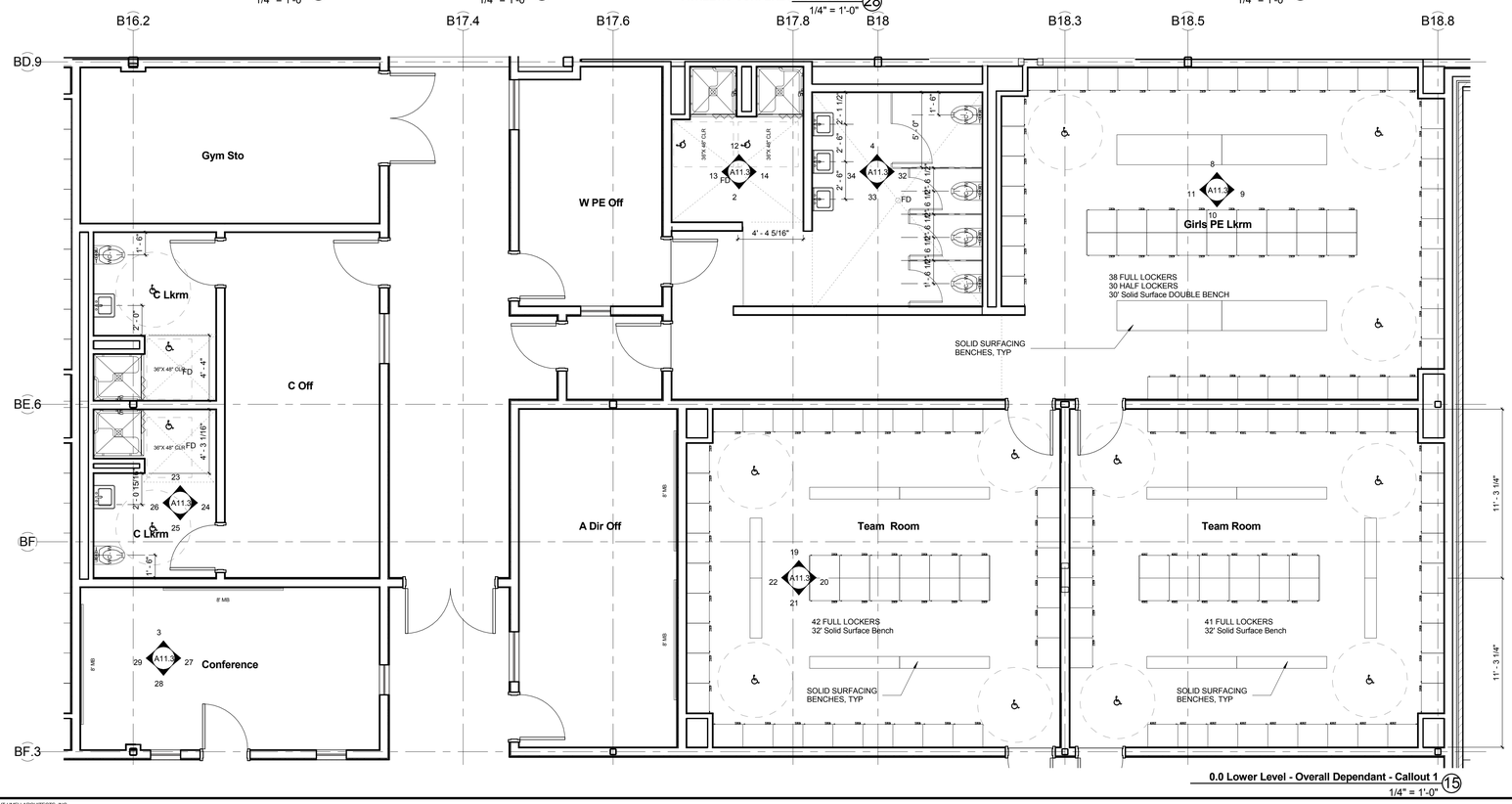
ATHLETIC CONFERECNE ROOM - B (27)
1/4" = 1'-0"



ATHLETIC CONFERECNE ROOM - C (28)
1/4" = 1'-0"

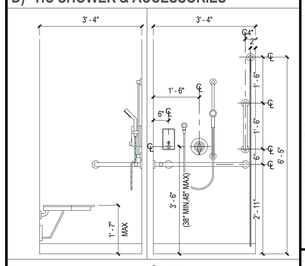


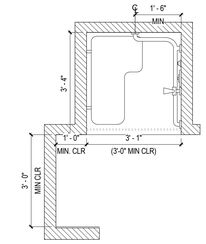
ATHLETIC CONFERECNE ROOM - D (29)
1/4" = 1'-0"



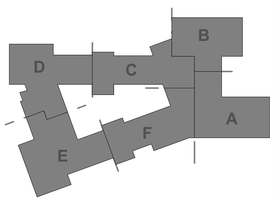
0.0 Lower Level - Overall Dependant - Callout 1 (15)
1/4" = 1'-0"

D) HC SHOWER & ACCESSORIES





KEYPLAN



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Dover, NH
Locker Rooms and Elevations

SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
A11.3

JOB NUMBER 403114

3/14/2016 3:54:20 PM C:\Users\mwhite\Documents\Revit HS_CENTRAL_mwhite.rvt

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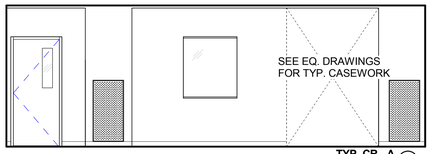
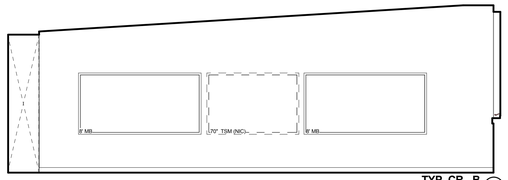
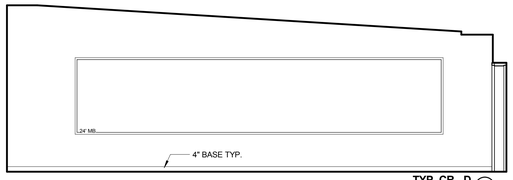


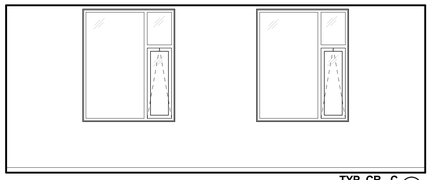
TYP. CR - A (5)
1/4" = 1'-0"



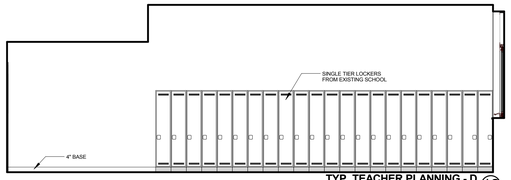
TYP. CR - B (6)
1/4" = 1'-0"



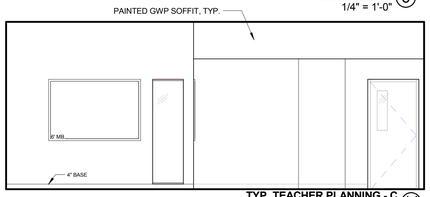
TYP. CR - D (8)
1/4" = 1'-0"



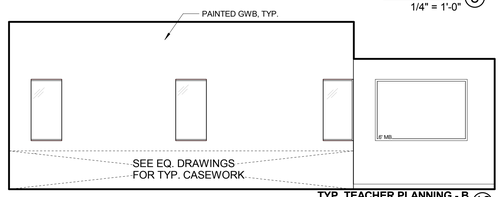
TYP. CR - C (7)
1/4" = 1'-0"



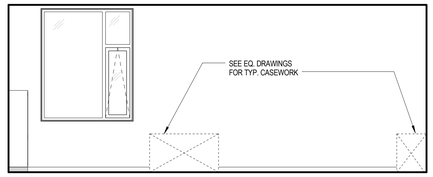
TYP. TEACHER PLANNING - D (12)
1/4" = 1'-0"



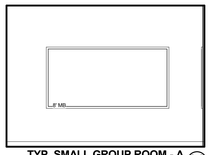
TYP. TEACHER PLANNING - C (11)
1/4" = 1'-0"



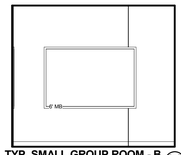
TYP. TEACHER PLANNING - B (10)
1/4" = 1'-0"



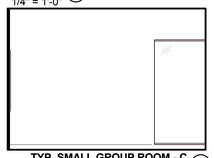
TYP. TEACHER PLANNING - A (9)
1/4" = 1'-0"



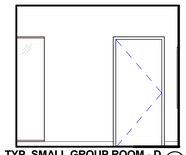
TYP. SMALL GROUP ROOM - A (38)
1/4" = 1'-0"



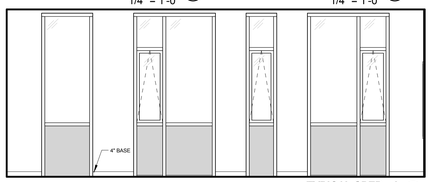
TYP. SMALL GROUP ROOM - B (39)
1/4" = 1'-0"



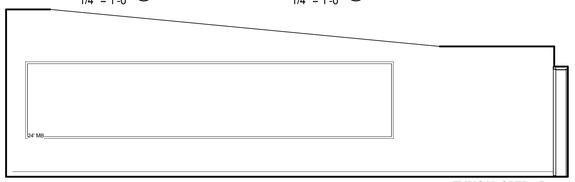
TYP. SMALL GROUP ROOM - C (40)
1/4" = 1'-0"



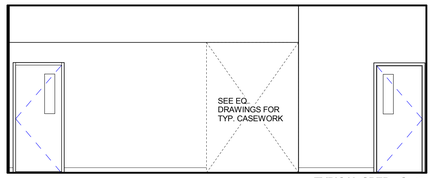
TYP. SMALL GROUP ROOM - D (41)
1/4" = 1'-0"



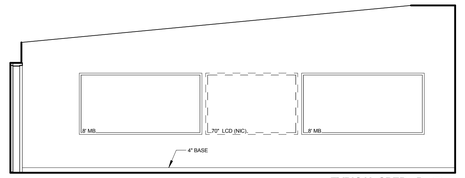
TYPICAL SPED - A (19)
1/4" = 1'-0"



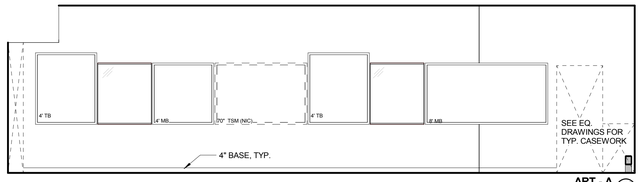
TYPICAL SPED - B (20)
1/4" = 1'-0"



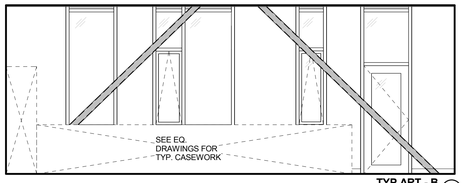
TYPICAL SPED - C (21)
1/4" = 1'-0"



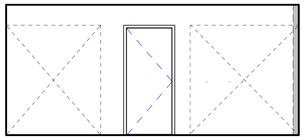
TYPICAL SPED - D (22)
1/4" = 1'-0"



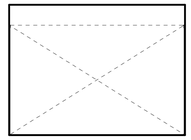
ART - A (42)
1/4" = 1'-0"



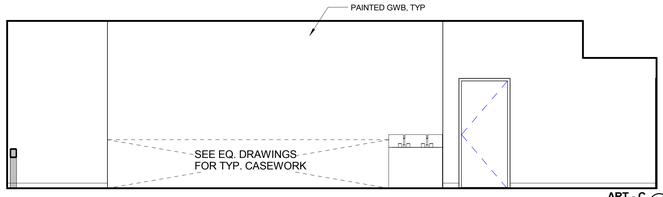
TYP ART - B (45)
1/4" = 1'-0"



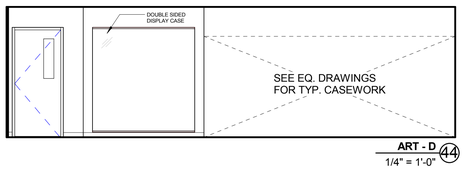
ART STORAGE - A (1)
1/4" = 1'-0"



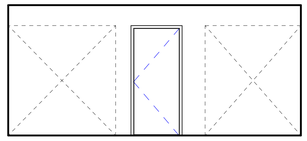
ART STORAGE - B (2)
1/4" = 1'-0"



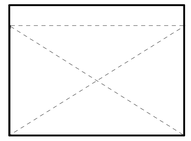
ART - C (43)
1/4" = 1'-0"



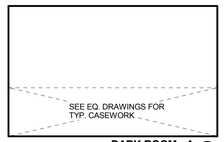
ART - D (44)
1/4" = 1'-0"



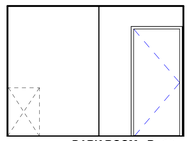
ART STORAGE - C (3)
1/4" = 1'-0"



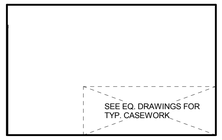
ART STORAGE - D (4)
1/4" = 1'-0"



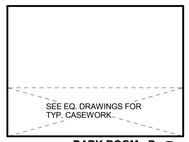
DARK ROOM - A (50)
1/4" = 1'-0"



DARK ROOM - B (51)
1/4" = 1'-0"

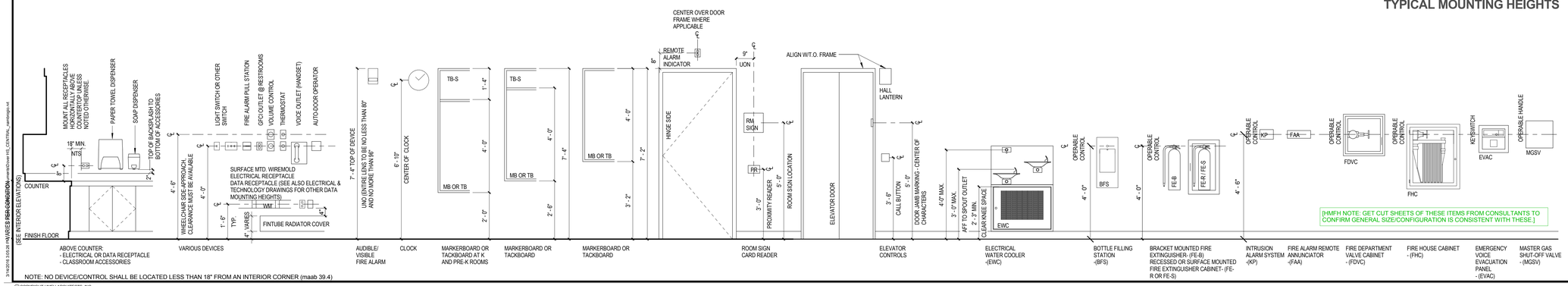


DARK ROOM - C (52)
1/4" = 1'-0"



DARK ROOM - D (53)
1/4" = 1'-0"

TYPICAL MOUNTING HEIGHTS



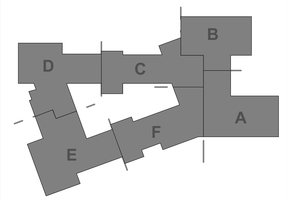
NOTE: NO DEVICE/CONTROL SHALL BE LOCATED LESS THAN 18" FROM AN INTERIOR CORNER (maab 39.4)

PRICING NOTES

(a) **THESE ARE TYPICAL ELEVATIONS, CARRY SAME FOR ALL SIMILAR ROOMS**

KEYNOTE LIST

KEYPLAN



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DRAWING NUMBER
A12.1

JOB NUMBER 403114

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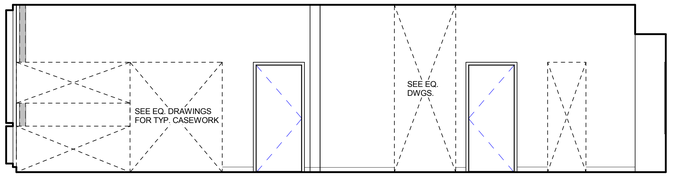
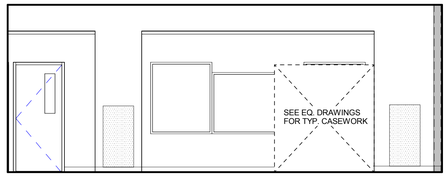
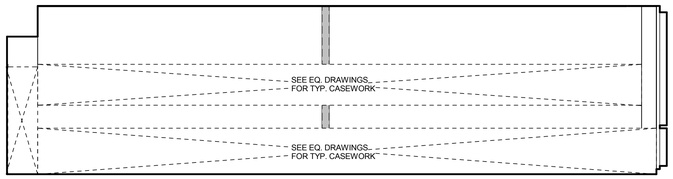


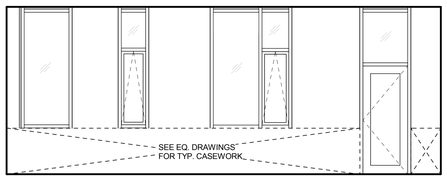
TYP. EARTH SCIENCE - A (1)
1/4" = 1'-0"



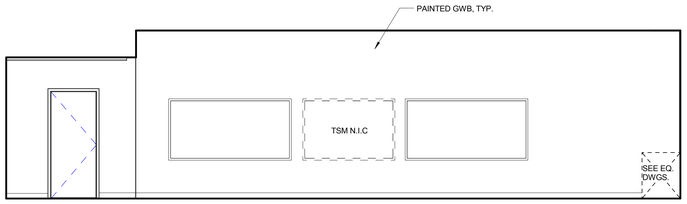
TYP. EARTH SCIENCE - B (2)
1/4" = 1'-0"



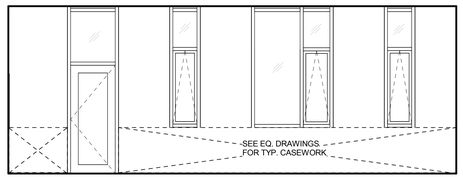
TYP. EARTH SCIENCE - C (3)
1/4" = 1'-0"



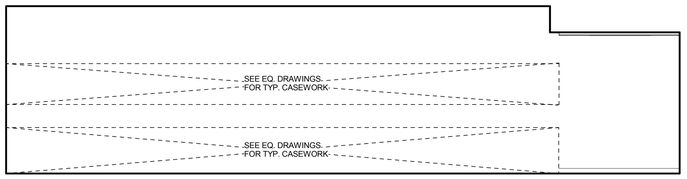
TYP. EARTH SCIENCE - D (4)
1/4" = 1'-0"



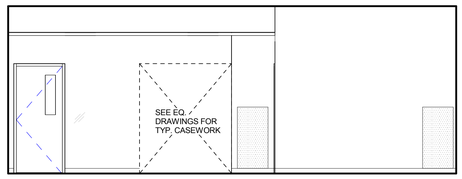
TYP. PHYSICS - A (5)
1/4" = 1'-0"



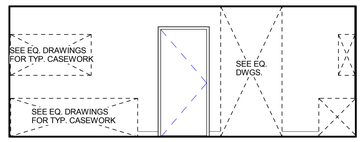
TYP. PHYSICS - B (6)
1/4" = 1'-0"



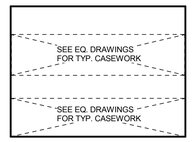
TYP. PHYSICS - C (7)
1/4" = 1'-0"



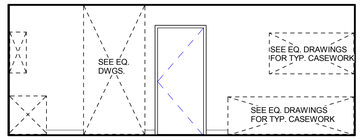
TYP. PHYSICS - D (8)
1/4" = 1'-0"



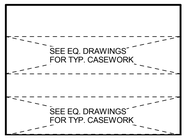
SCIENCE PREP EARTH SCIENCE - A (9)
1/4" = 1'-0"



SCIENCE PREP EARTH SCIENCE - B (10)
1/4" = 1'-0"



SCIENCE PREP EARTH SCIENCE - C (11)
1/4" = 1'-0"



SCIENCE PREP EARTH SCIENCE - D (12)
1/4" = 1'-0"

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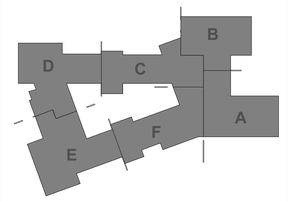

Dover HS / Career Technical Center
Dover, NH
Typical Interior Elevations - Science Classrooms
SCALE: 1/4" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
A12.2

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3/14/2016 3:05:05 PM C:\Users\author\pp\Documents\Dover HS_CENTRAL_author@hmfh.rvt

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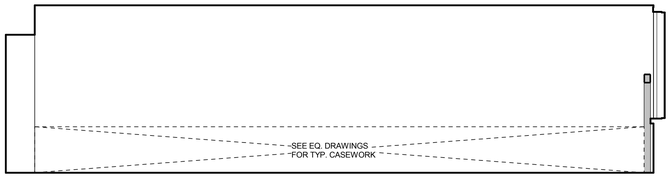
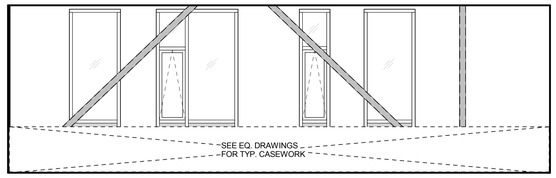


TYP. CHEMISTRY - A (13)
1/4" = 1'-0"



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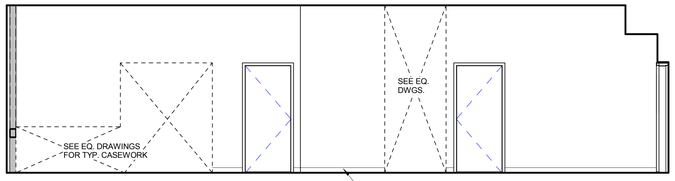

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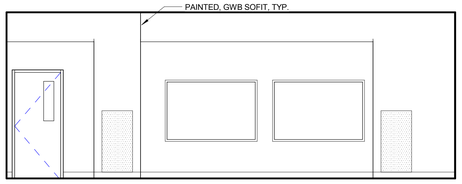

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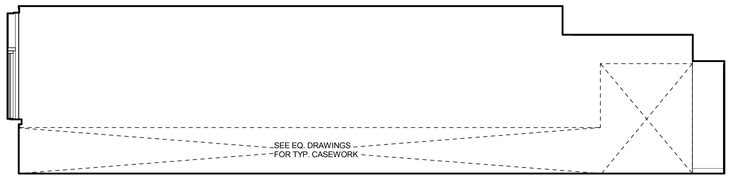

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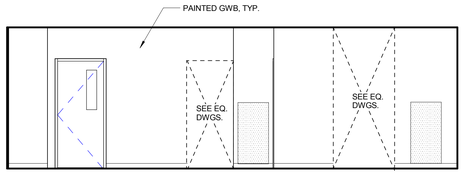
1/4" = 1'-0"



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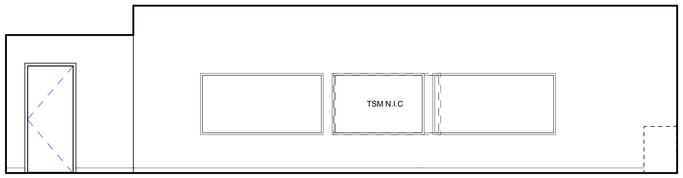
1/4" = 1'-0"



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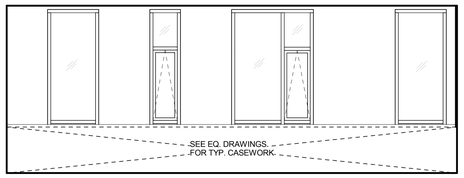
1/4" = 1'-0"



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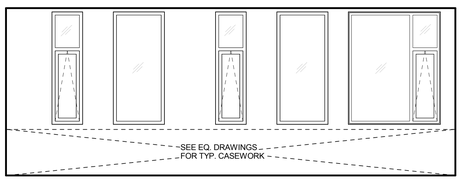

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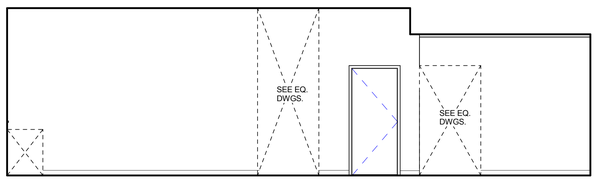

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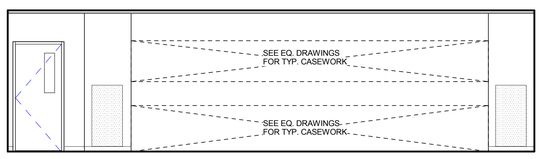

TYP. PHYSICAL SCIENCE - C (23)
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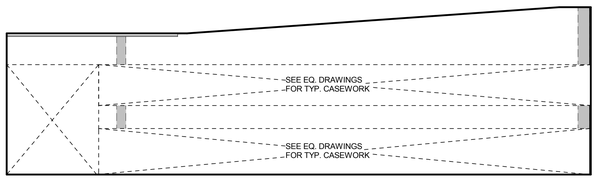

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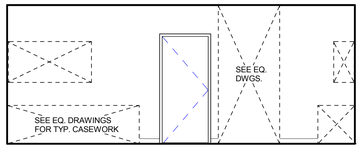

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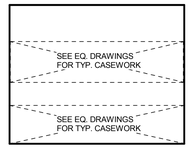
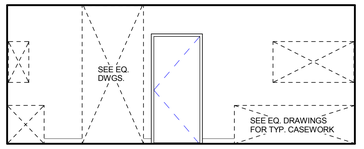


SCIENCE PREP CHEMISTRY - B (6)
1/4" = 1'-0"



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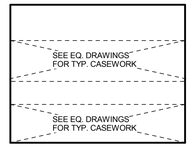
1/4" = 1'-0"



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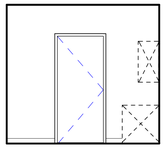

SCIENCE PREP BIOLOGY - A (1)
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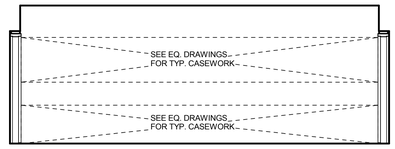

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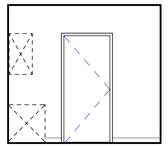

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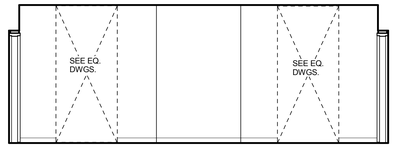

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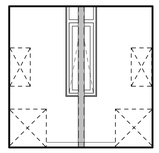
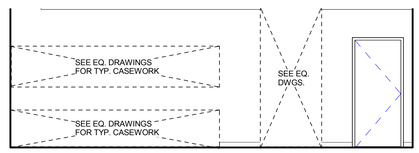


SCIENCE PREP PHYSICAL SCIENCE - A (9)
1/4" = 1'-0"



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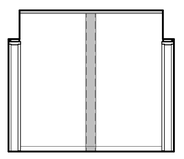

SCIENCE PREP PHYSICAL SCIENCE - C (11)
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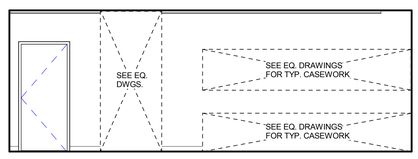

SCIENCE PREP PHYSICAL SCIENCE - D (12)
1/4" = 1'-0"

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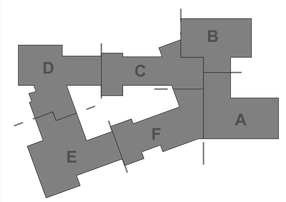

Dover HS / Career Technical Center
Dover, NH
Typical Interior Elevations - Science Classrooms
SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A12.3

JOB NUMBER 403114

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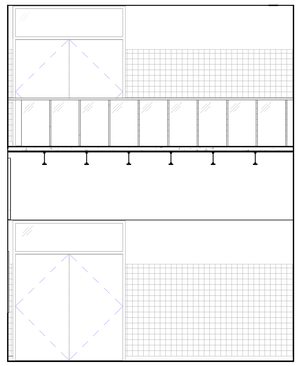
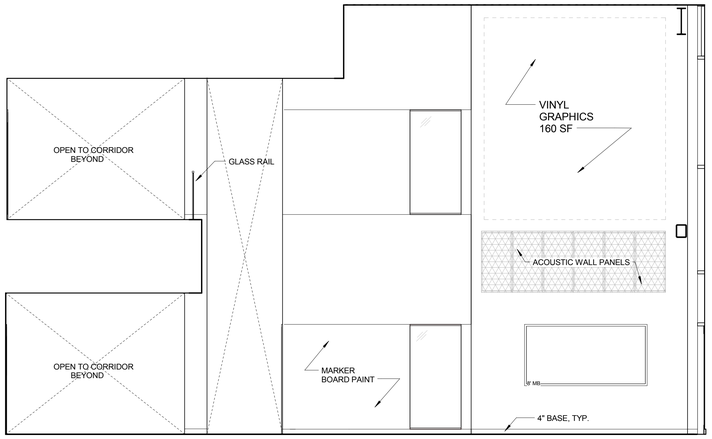


TYP. DOUBLE HEIGHT LEARNING COMMON - A (5)
1/4" = 1'-0"



TYP. DOUBLE HEIGHT LEARNING COMMON - B (6)
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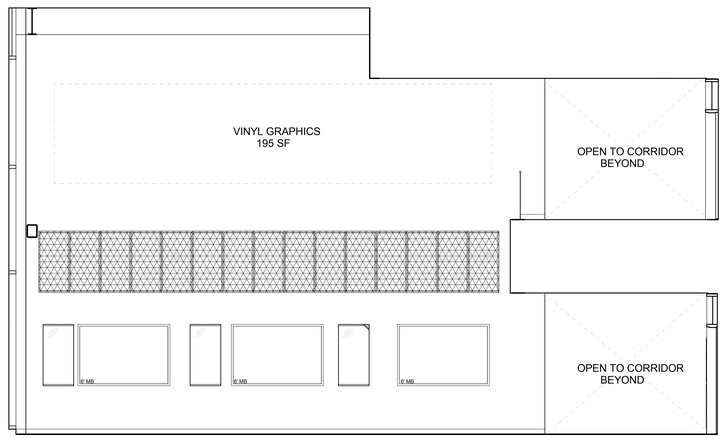

TYP. DOUBLE HEIGHT LEARNING COMMON - D (8)
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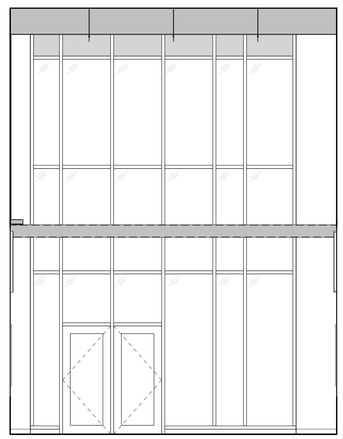

TYP. DOUBLE HEIGHT LEARNING COMMON - C (7)
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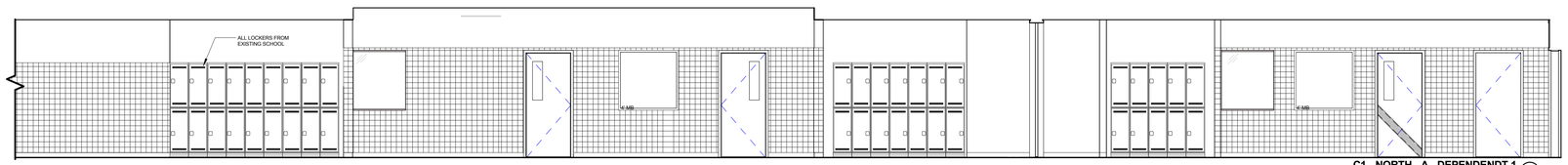
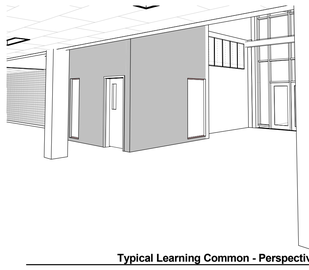
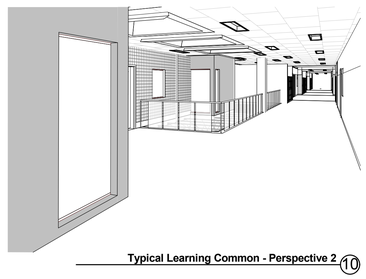


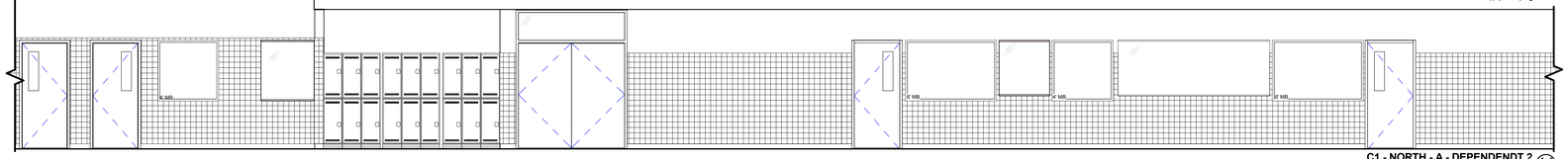
C1 - NORTH - A - DEPENDENDT 1 (14)
1/4" = 1'-0"



Typical Learning Common - Perspective (9)



Typical Learning Common - Perspective 2 (10)



C1 - NORTH - A - DEPENDENDT 2 (11)
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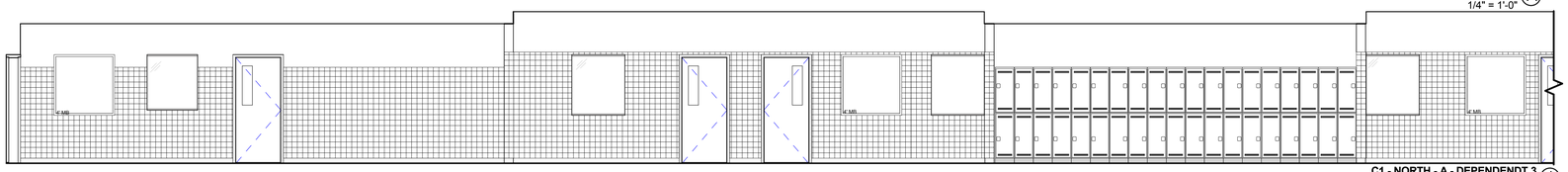
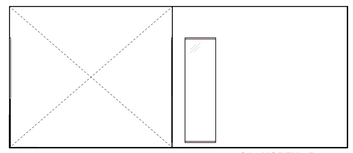
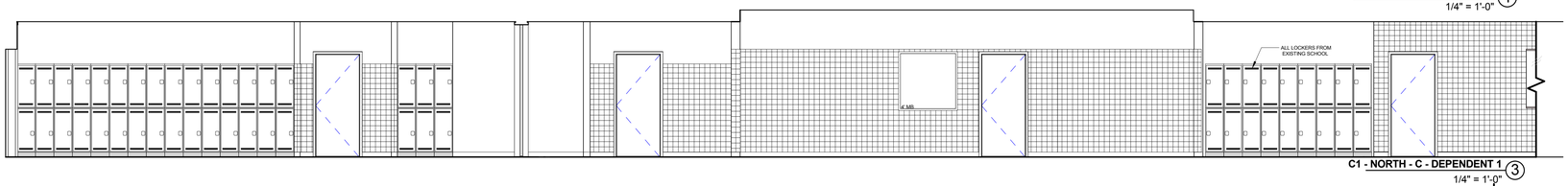


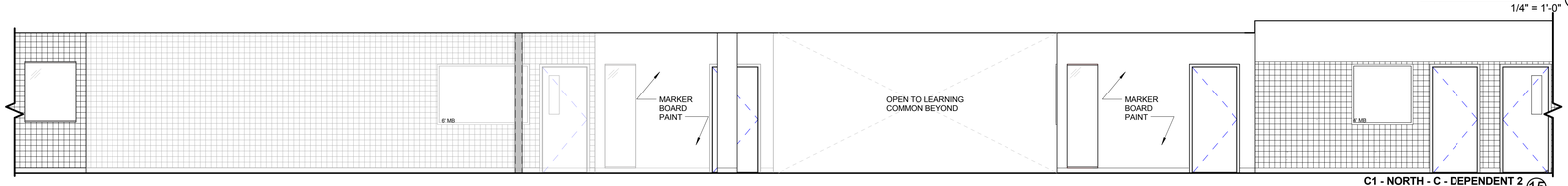
C1 - NORTH - A - DEPENDENDT 3 (1)
1/4" = 1'-0"



C1 - NORTH - B (2)
1/4" = 1'-0"



C1 - NORTH - C - DEPENDENT 1 (3)
1/4" = 1'-0"



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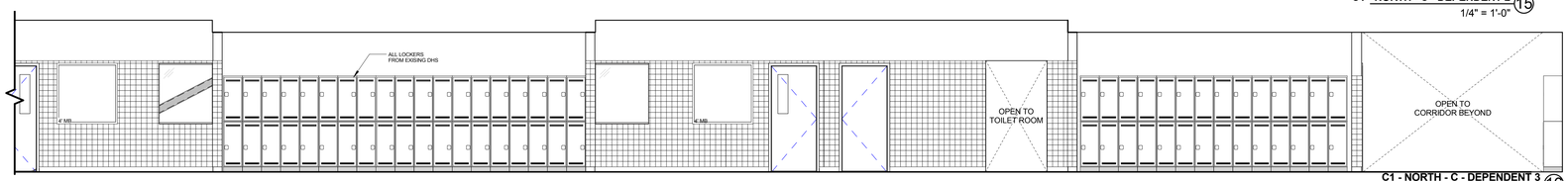

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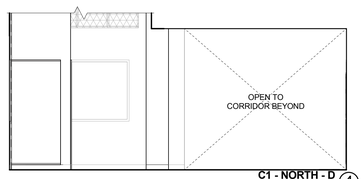

C1 - NORTH - D (4)
1/4" = 1'-0"

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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Interior Elevations - Corridors - Entry Level
SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A12.4
JOB NUMBER 403114

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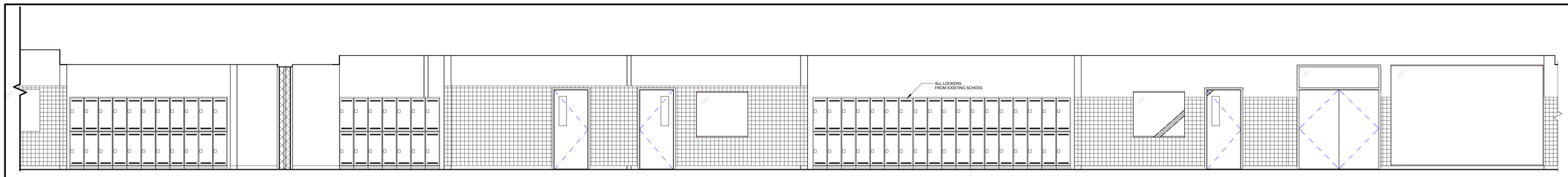
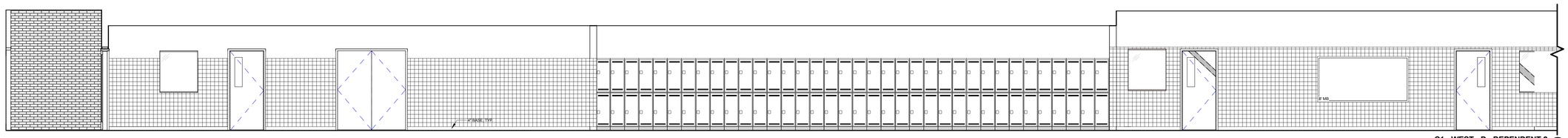
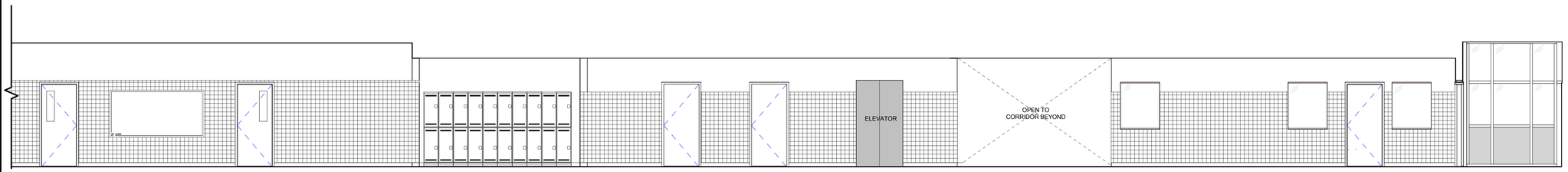


C1 - WEST - D - DEPENDENT 1 (3)



C1 - WEST - D - DEPENDENT 2 (1)



C1 - WEST - B - DEPENDENT 1 (4)
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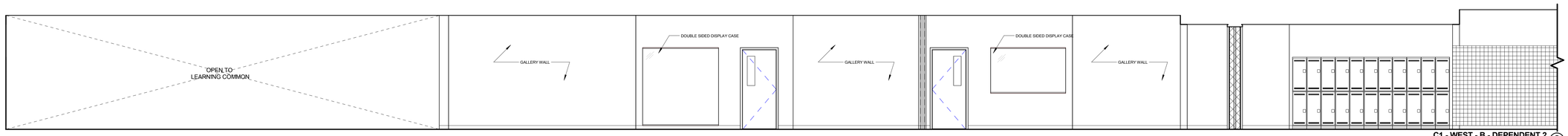

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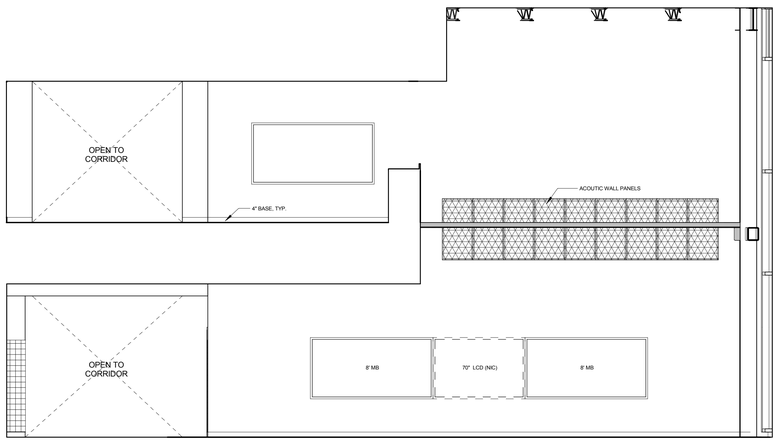
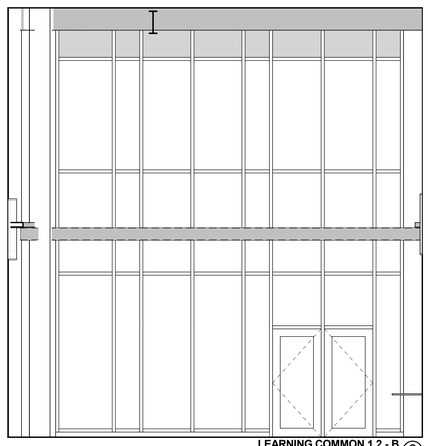
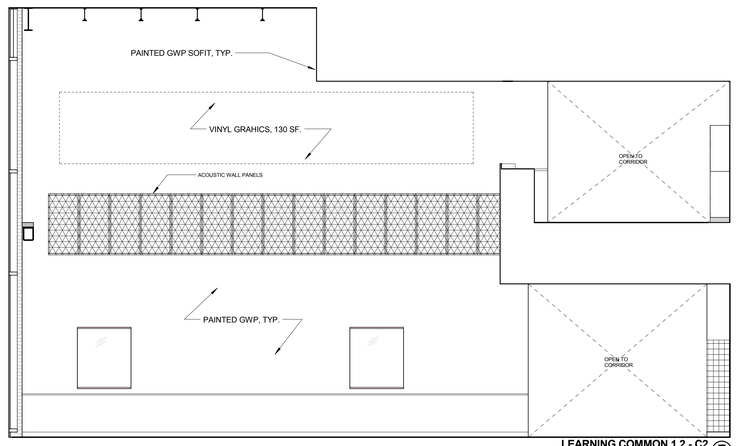


LEARNING COMMON 1.2 - A (5)

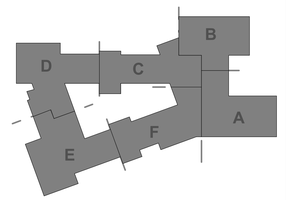


LEARNING COMMON 1.2 - B (6)



LEARNING COMMON 1.2 - C2 (7)

KEYPLAN



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A12.5

JOB NUMBER 403114

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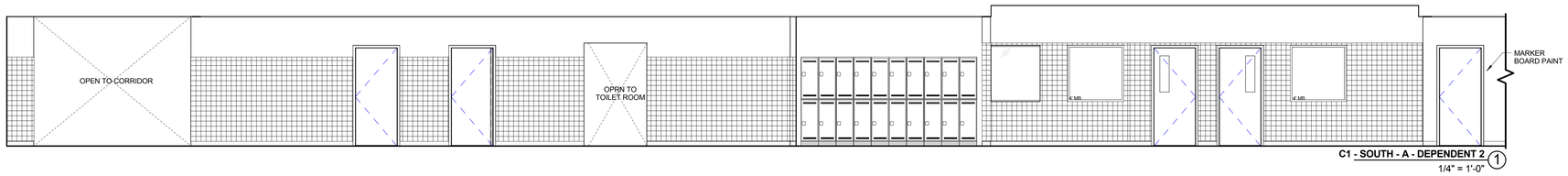
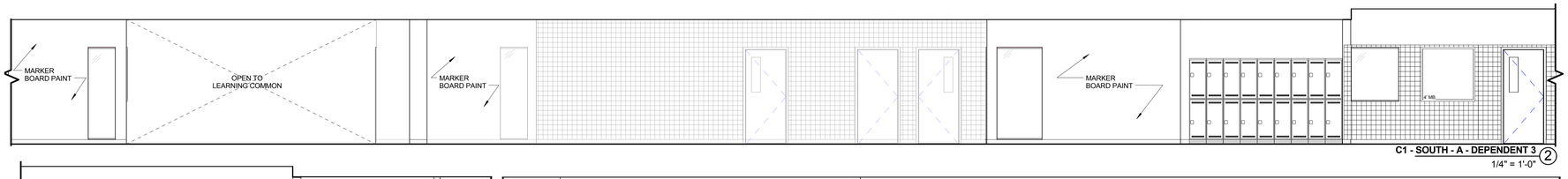
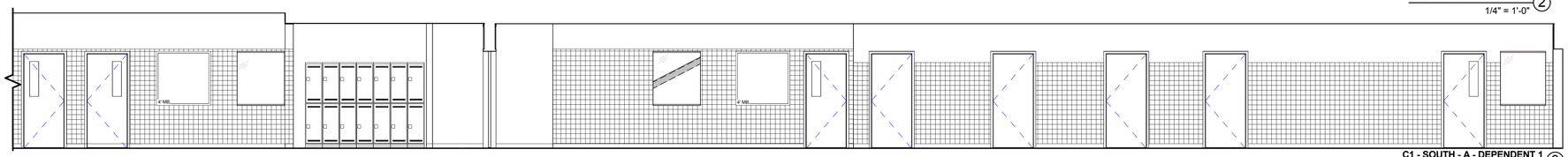


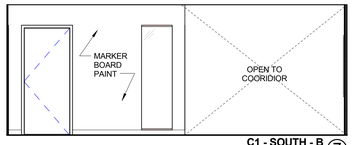
C1 - SOUTH - A - DEPENDENT 2 (1)
1/4" = 1'-0"



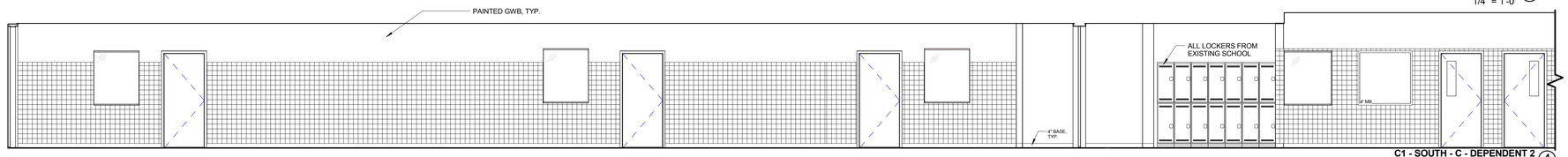
C1 - SOUTH - A - DEPENDENT 3 (2)
1/4" = 1'-0"



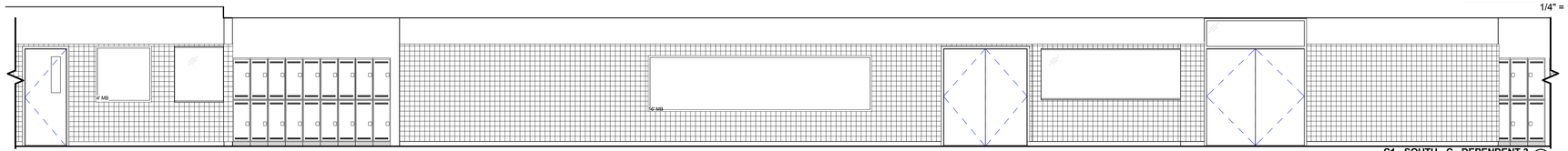
C1 - SOUTH - A - DEPENDENT 1 (3)
1/4" = 1'-0"



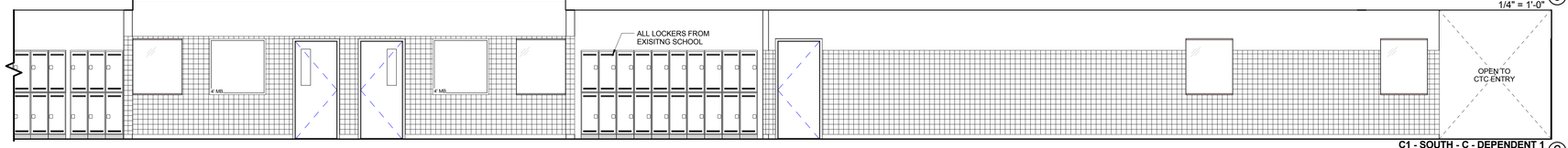
C1 - SOUTH - B (7)
1/4" = 1'-0"



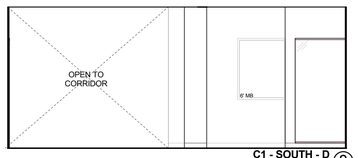
C1 - SOUTH - C - DEPENDENT 2 (4)
1/4" = 1'-0"



C1 - SOUTH - C - DEPENDENT 3 (5)
1/4" = 1'-0"



C1 - SOUTH - C - DEPENDENT 1 (6)
1/4" = 1'-0"



C1 - SOUTH - D (8)
1/4" = 1'-0"

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A12.6

JOB NUMBER 403114

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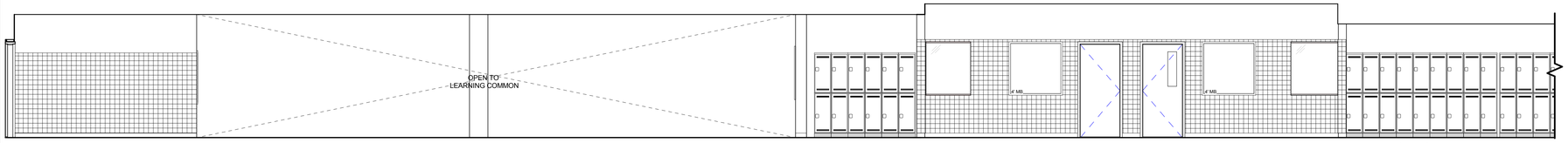

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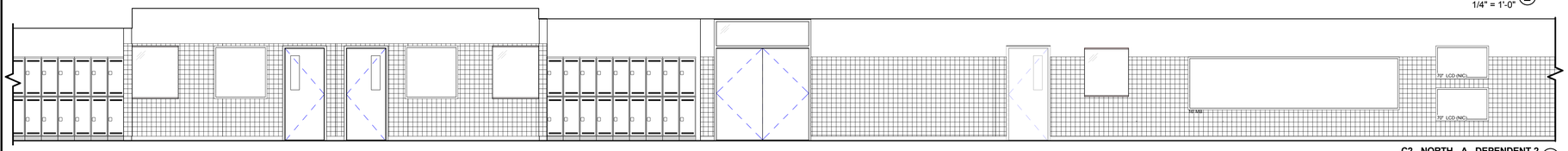
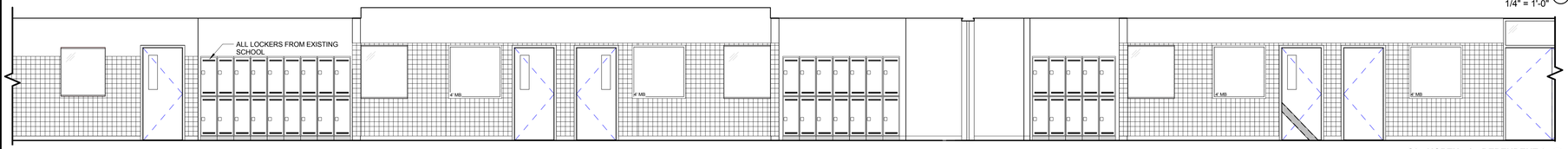
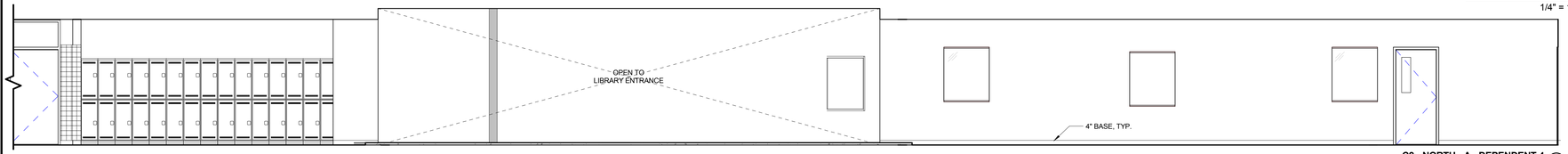


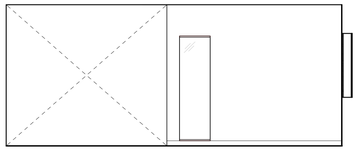
C2 - NORTH - A - DEPENDENT 2 (5)
1/4" = 1'-0"



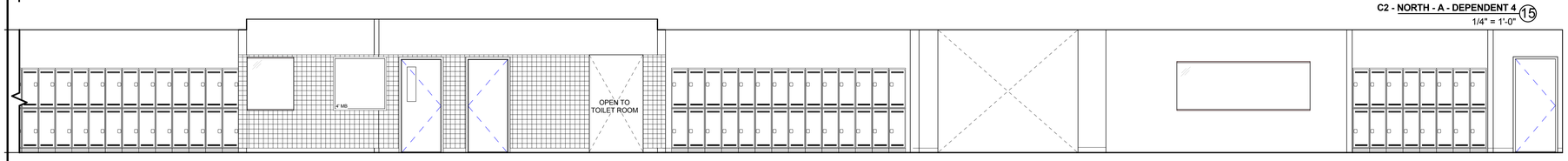
C2 - NORTH - A - DEPENDENT 3 (6)
1/4" = 1'-0"



C2 - NORTH - A - DEPENDENT 4 (15)
1/4" = 1'-0"



C2 - NORTH - B (3)
1/4" = 1'-0"



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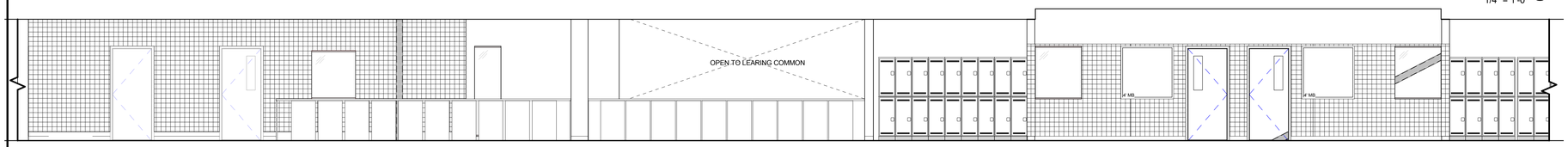
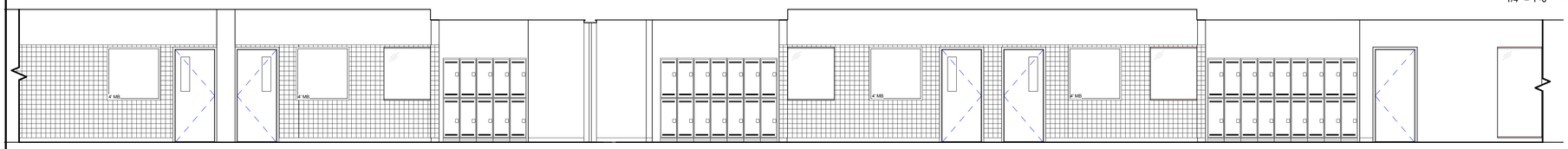


C2 - NORTH - C - DEPENDENT 2 (8)
1/4" = 1'-0"



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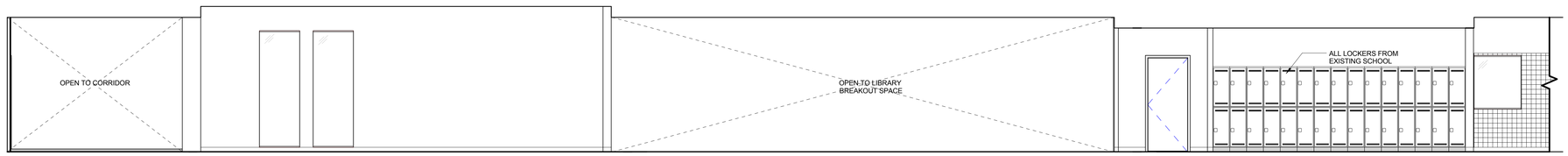
1/4" = 1'-0"



C2 - NORTH - C - DEPENDENT 4 (16)
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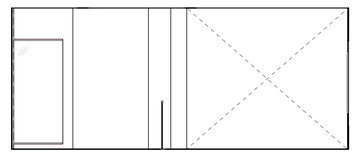
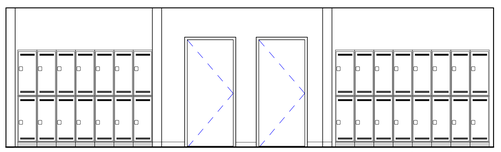


C2 - NORTH - D (4)
1/4" = 1'-0"



C2 - WEST - B2 (11)
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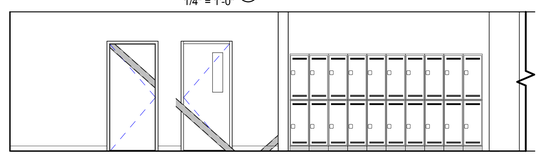

C2 - WEST - D2 (9)
1/4" = 1'-0"

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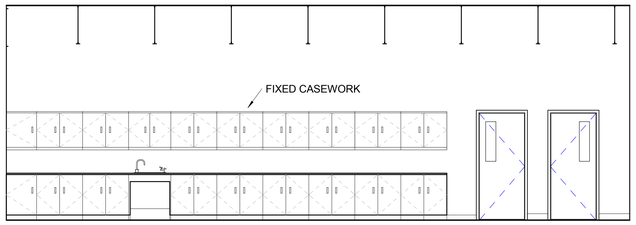

LEARNING COMMON 2.1 - A (8)
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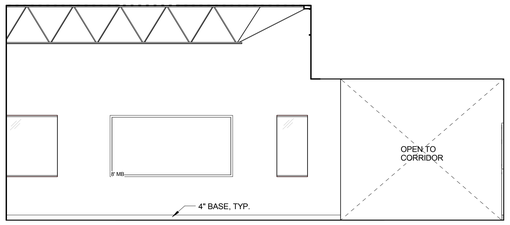
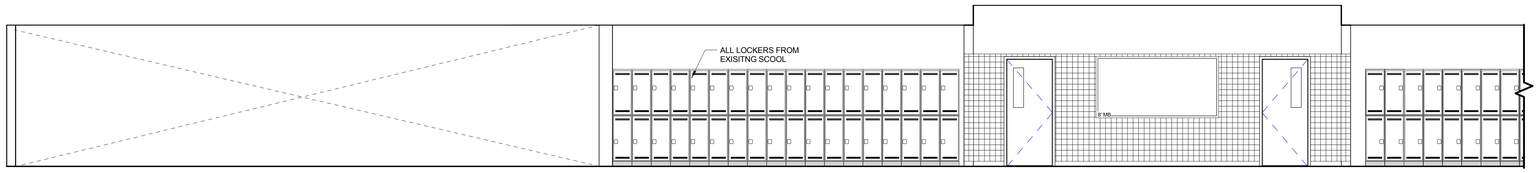
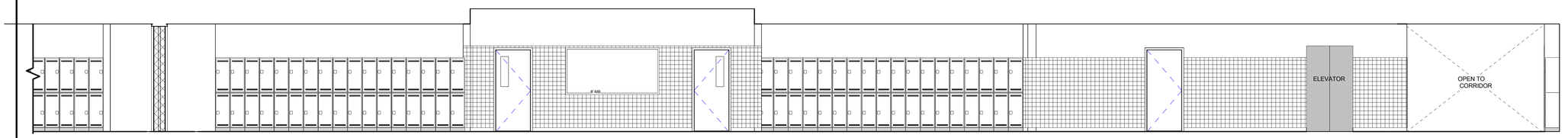


LEARNING COMMON 2.1 - B (9)
1/4" = 1'-0"

LEARNING COMMON 2.1 - D (10)
1/4" = 1'-0"



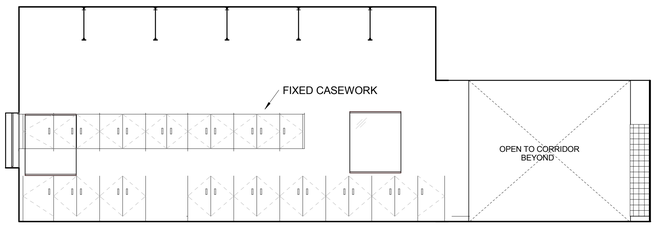
C2 - WEST - B - DEPENDENT 1 (1)
1/4" = 1'-0"



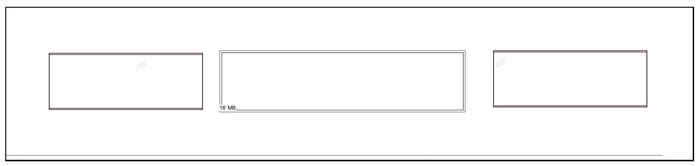
C2 - WEST - B - DEPENDENT 2 (2)
1/4" = 1'-0"

C2 - WEST - D - DEPENDENT 2 (3)
1/4" = 1'-0"

C2 - WEST - D - DEPENDENT 1 (4)
1/4" = 1'-0"



LEARNING COMMON 2.2- A (6)
1/4" = 1'-0"



LEARNING COMMON 2.2- B (7)
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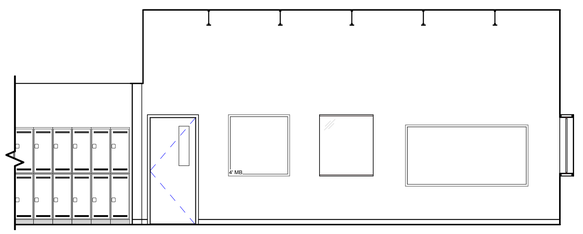
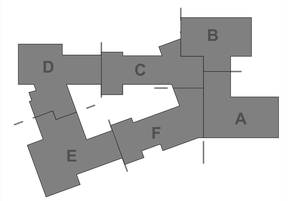


LEARNING COMMON 2.2 - C (5)
1/4" = 1'-0"

KEYPLAN



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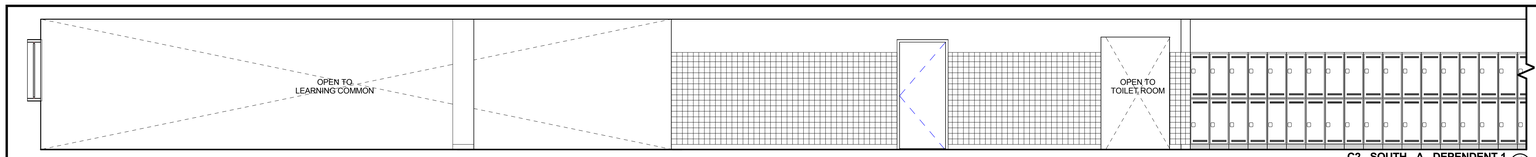
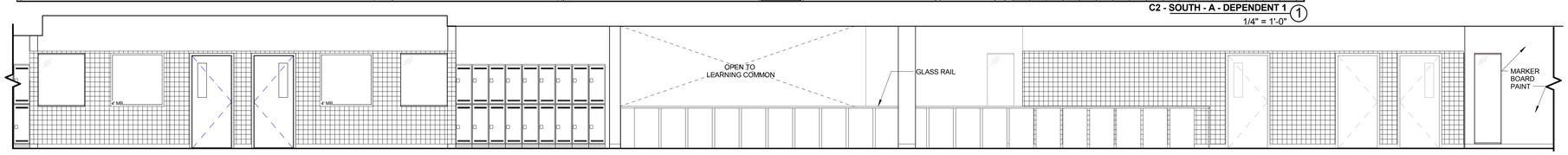
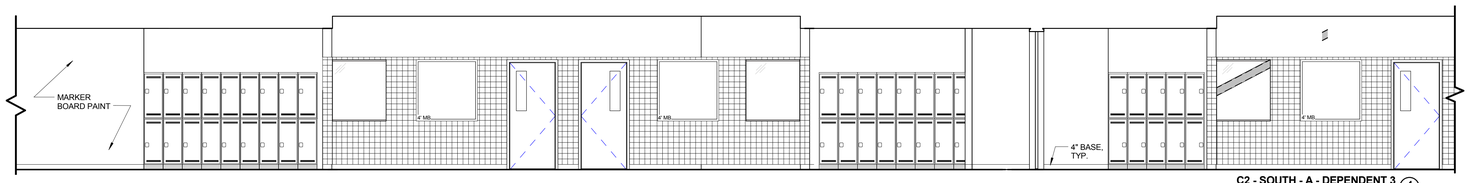


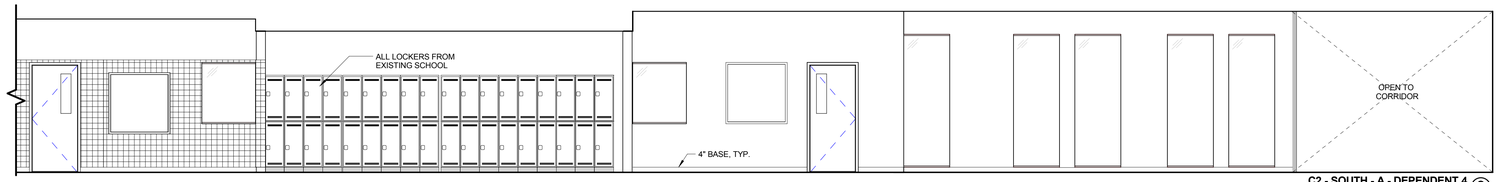
C2 - SOUTH - A - DEPENDENT 1 (1)
1/4" = 1'-0"



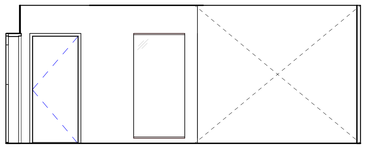
C2 - SOUTH - A - DEPENDENT 2 (2)
1/4" = 1'-0"



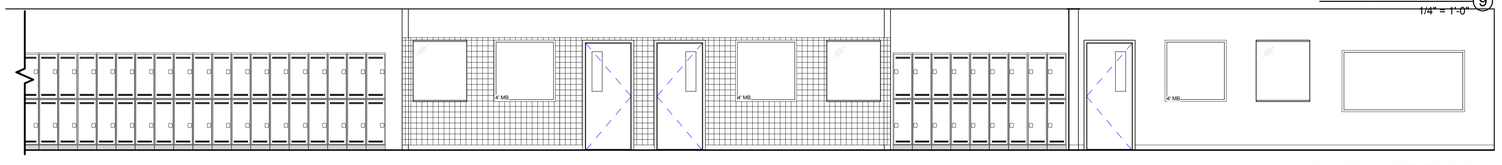
C2 - SOUTH - A - DEPENDENT 3 (4)
1/4" = 1'-0"



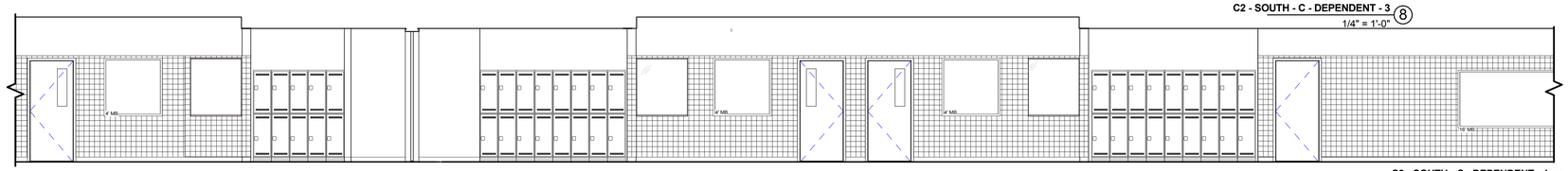
C2 - SOUTH - A - DEPENDENT 4 (9)
1/4" = 1'-0"



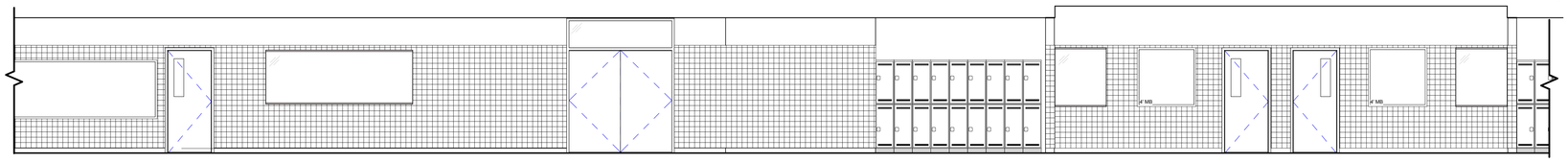
C2 - SOUTH - B (3)
1/4" = 1'-0"



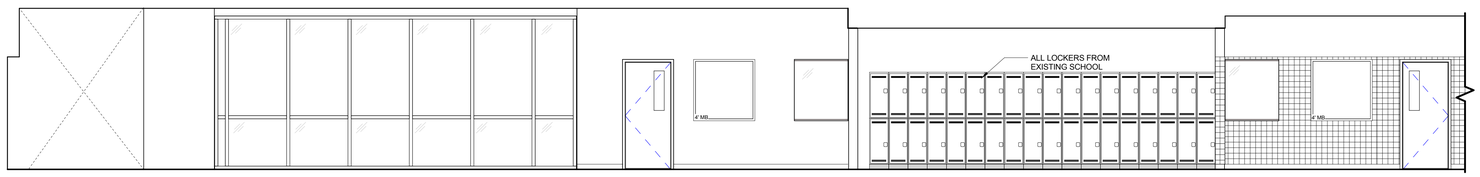
C2 - SOUTH - C - DEPENDENT - 3 (8)
1/4" = 1'-0"



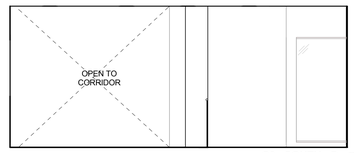
C2 - SOUTH - C - DEPENDENT - 1 (5)
1/4" = 1'-0"



C2 - SOUTH - C - DEPENDENT - 2 (7)
1/4" = 1'-0"



C2 - SOUTH - C - DEPENDENT - 4 (11)
1/4" = 1'-0"



C2 - SOUTH - D (6)
1/4" = 1'-0"

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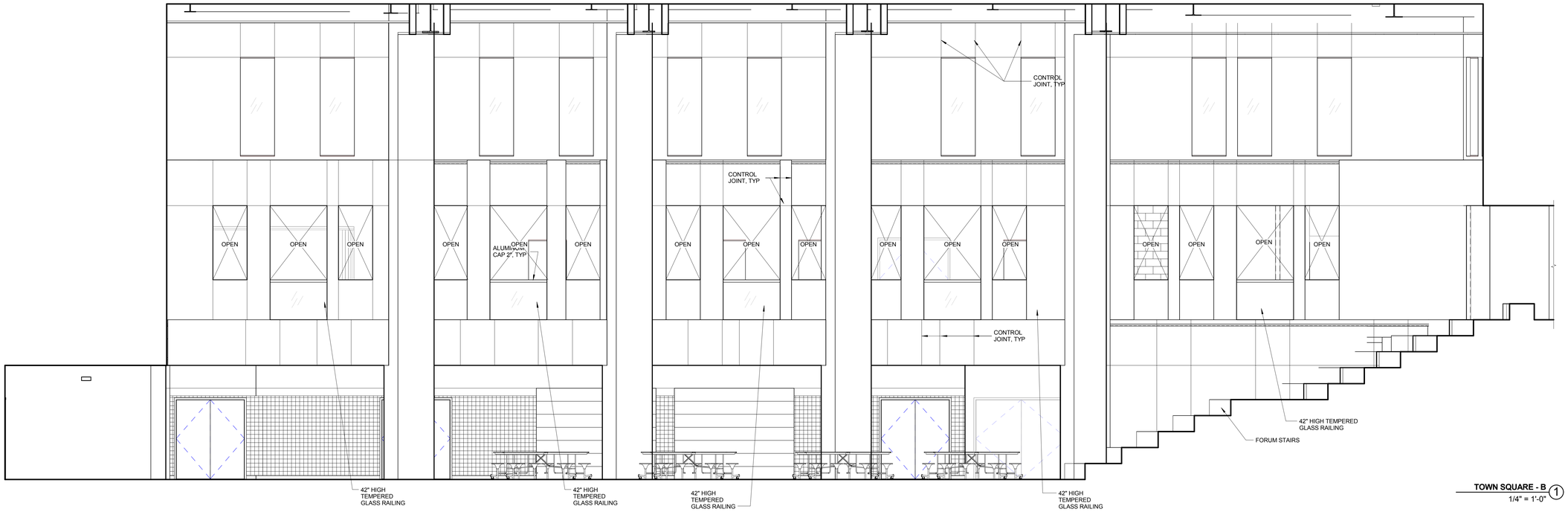
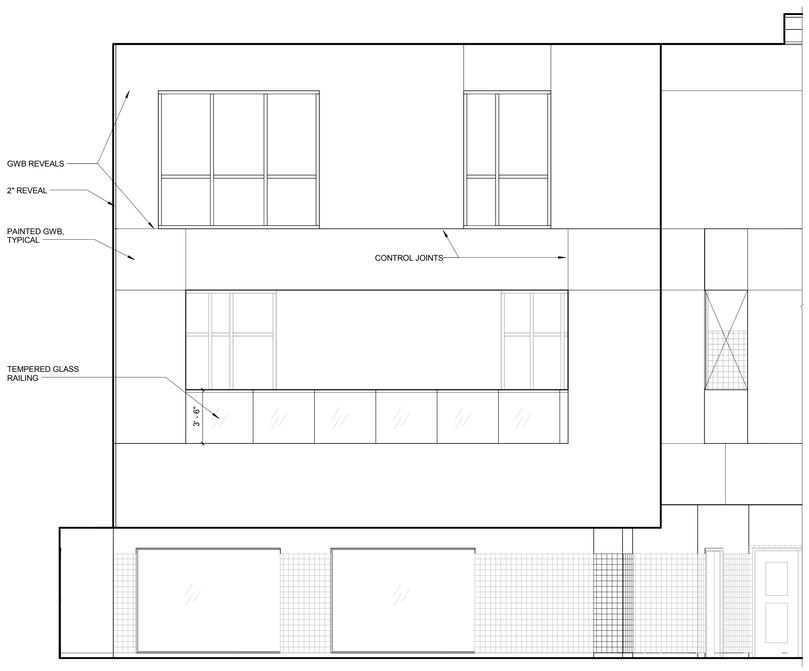
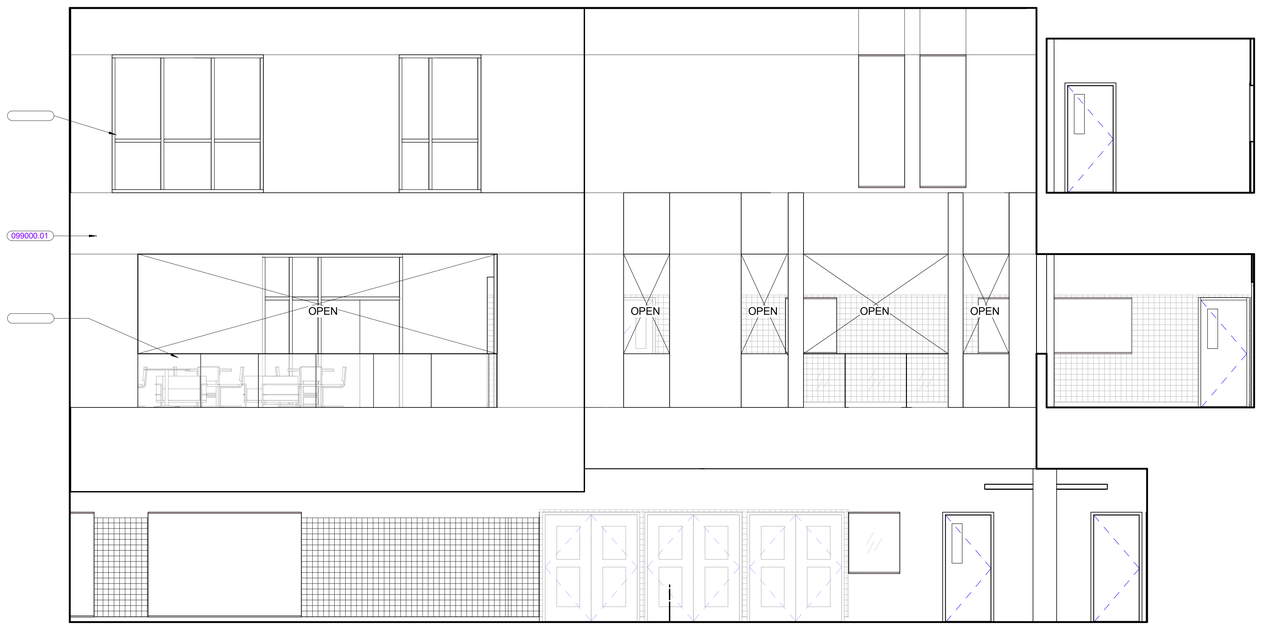


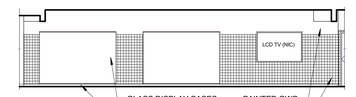
TOWN SQUARE - B (1)
1/4" = 1'-0"



TOWN SQUARE - A1 (3)
1/4" = 1'-0"



TOWN SQUARE - A (2)
1/4" = 1'-0"



TOWN SQUARE - DISPLAY CASES (4)
1/8" = 1'-0"

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SCALE: As indicated | DRAWN BY: Author | CHECKED BY: Checker

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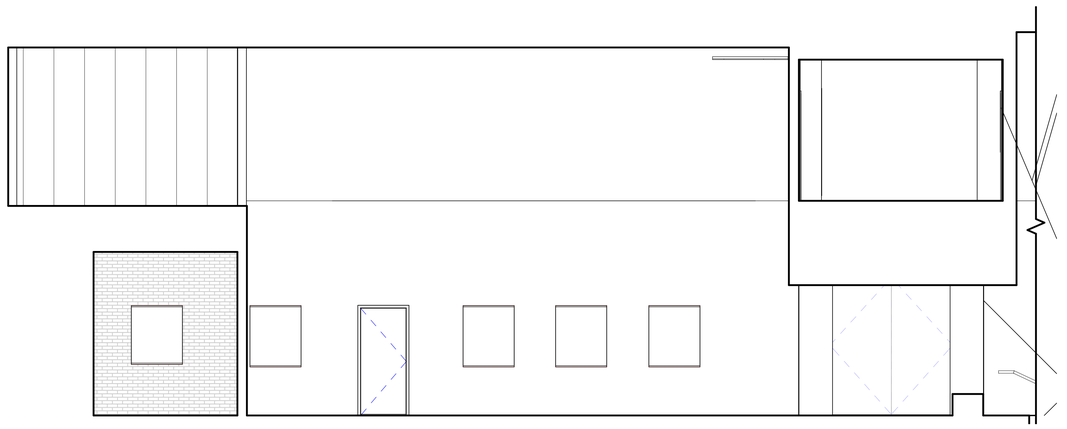
TOWN SQUARE - C
1/4" = 1'-0" (2)



ENTRY - D
1/4" = 1'-0" (1)

Town Square - D - Dependent 2
1/4" = 1'-0" (3)

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100% Design Development
3/15/2016

Dover HS / Career Technical Center
Dover, NH
Interior Elevation - Town Square

SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A12.11

JOB NUMBER 403114

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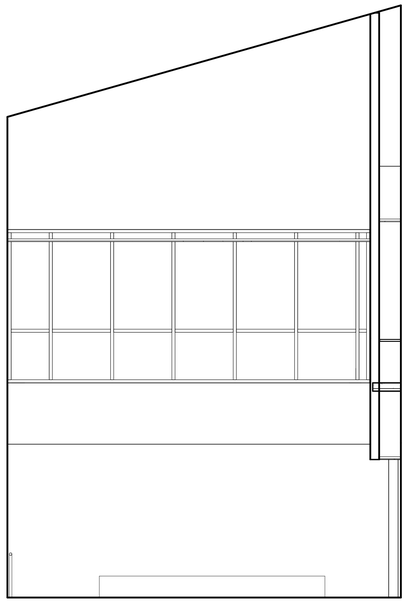
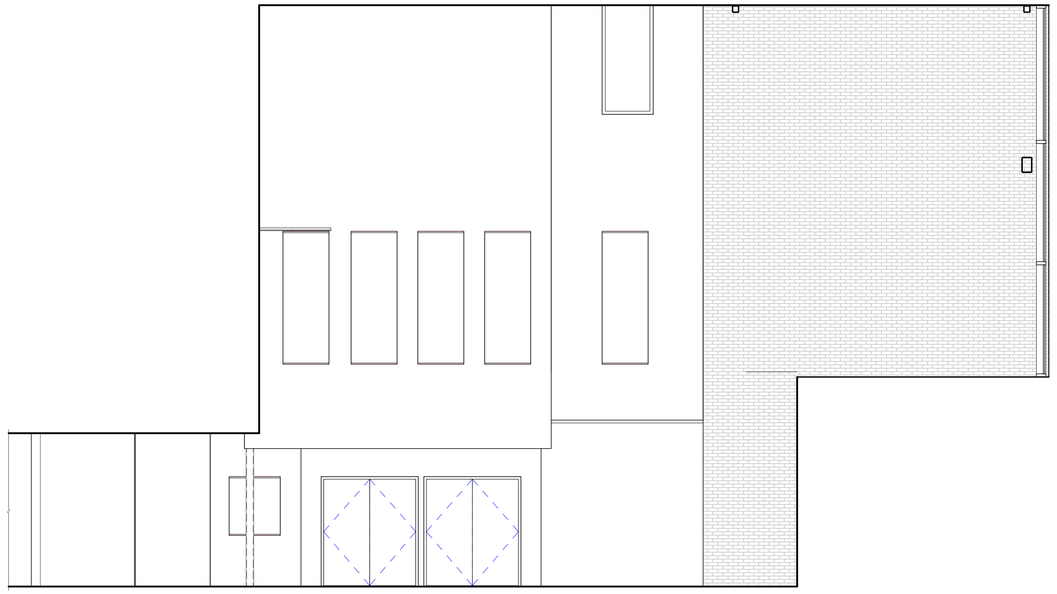
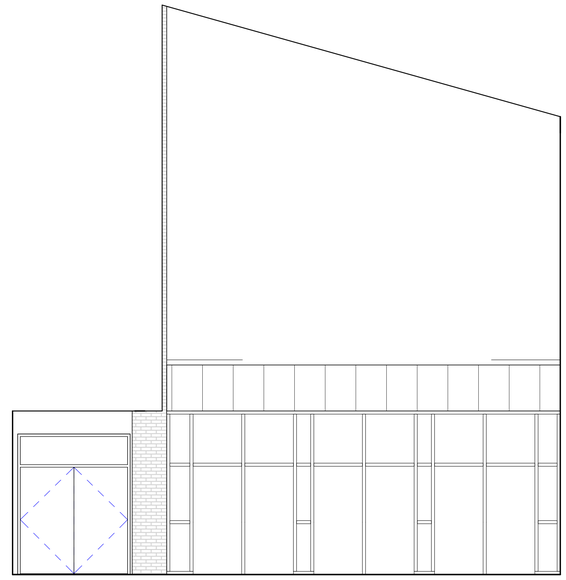




ENTRY - B (4)
1/4" = 1'-0"



ENTRY - C (3)
1/4" = 1'-0"

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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Interior Elevations - Entry

SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A12.12

JOB NUMBER 403114

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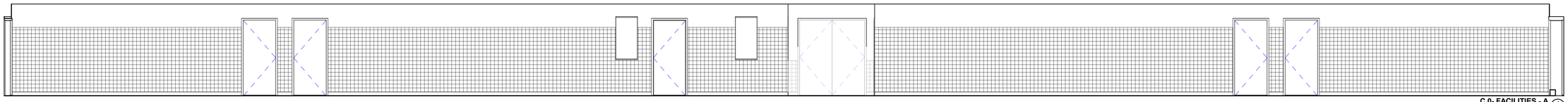
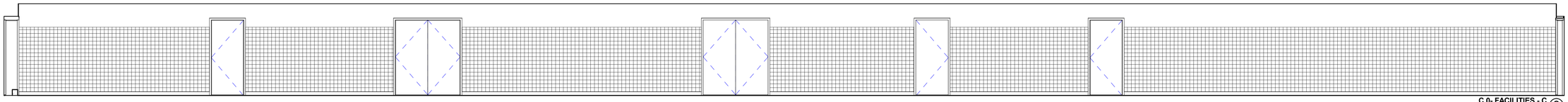
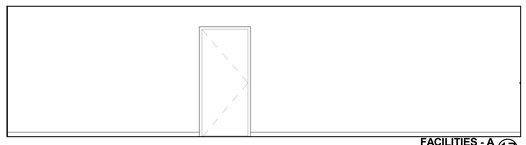


C 0- FACILITIES - A (1)
1/4" = 1'-0"



C 0- FACILITIES - C (2)
1/4" = 1'-0"



FACILITIES - A (17)
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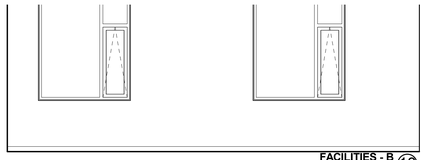
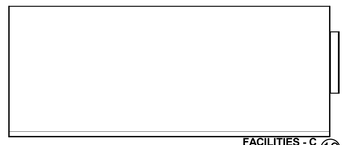
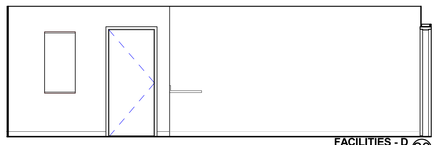


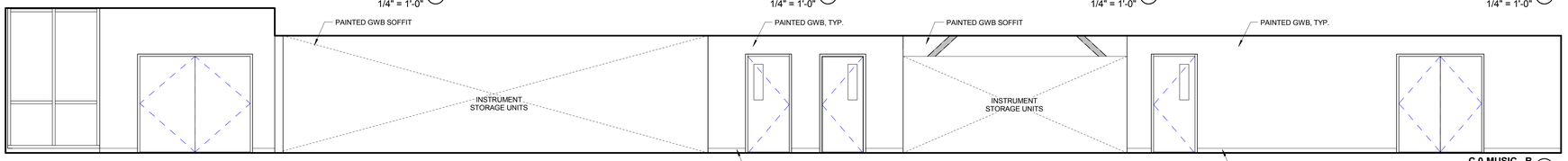
FACILITIES - B (18)
1/4" = 1'-0"



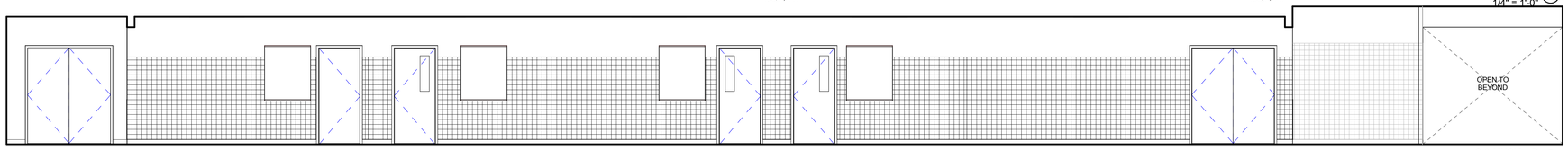
FACILITIES - C (19)
1/4" = 1'-0"



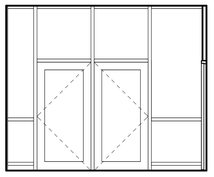
FACILITIES - D (20)
1/4" = 1'-0"



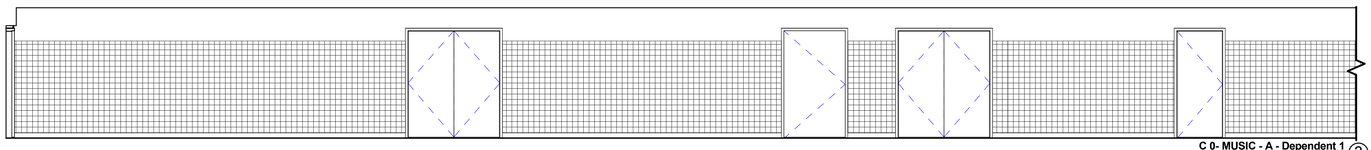
C 0-MUSIC - B (23)
1/4" = 1'-0"



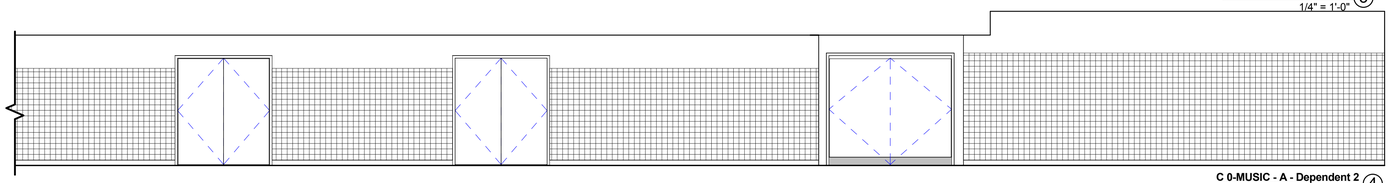
C 0-MUSIC - D (24)
1/4" = 1'-0"



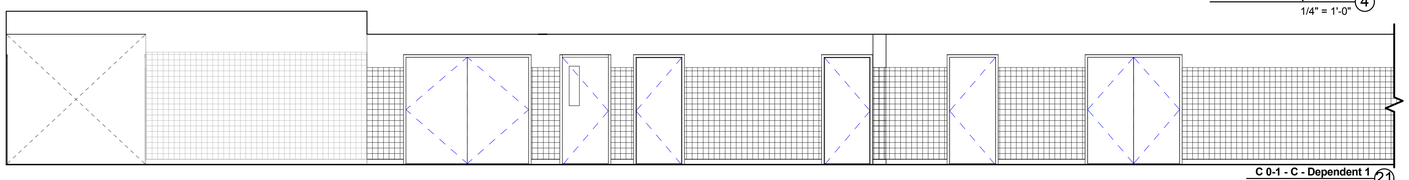
C 0-MUSIC - C2 (13)
1/4" = 1'-0"



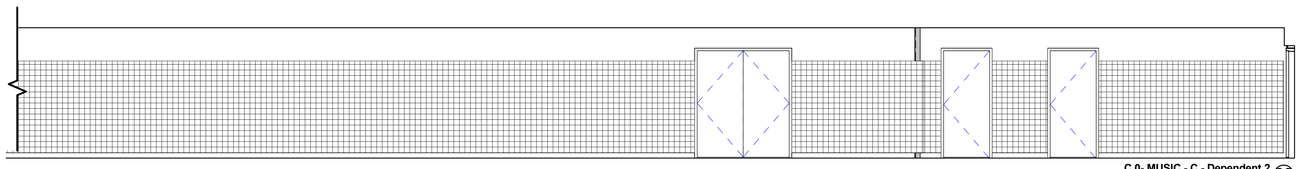
C 0- MUSIC - A - Dependent 1 (3)
1/4" = 1'-0"



C 0-MUSIC - A - Dependent 2 (4)
1/4" = 1'-0"

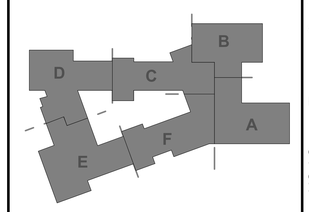


C 0-1 - C - Dependent 1 (21)
1/4" = 1'-0"



C 0- MUSIC - C - Dependent 2 (22)
1/4" = 1'-0"

KEYPLAN



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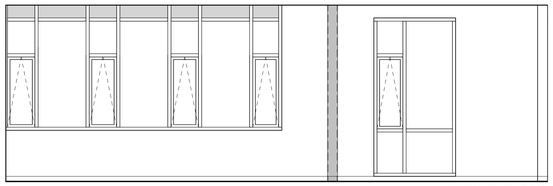
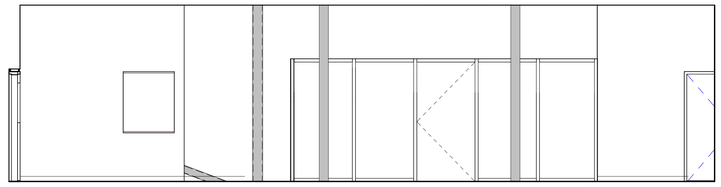
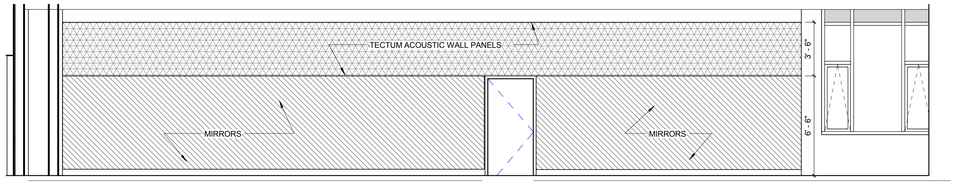


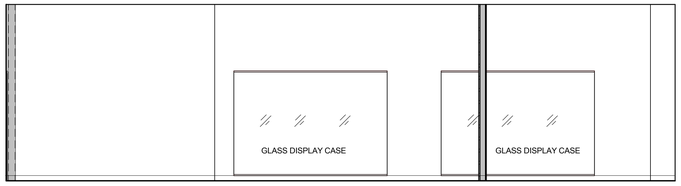
WEIGHT / CARDIO - A 1
1/4" = 1'-0"



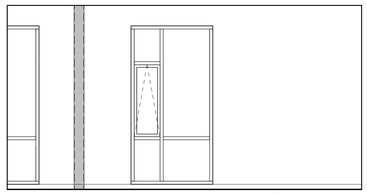
WEIGHT / CARDIO - B 2
1/4" = 1'-0"



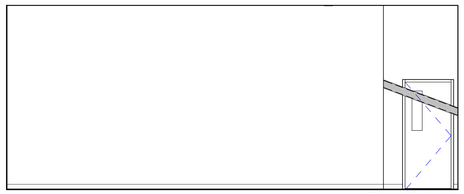
WEIGHT / CARDIO - D 4
1/4" = 1'-0"



WEIGHT / CARDIO - C 3
1/4" = 1'-0"



TRAINING - A 5
1/4" = 1'-0"



TRAINING - B 6
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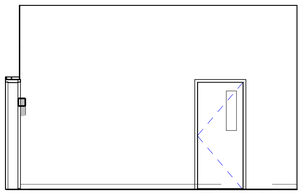

TRAINING - C 7
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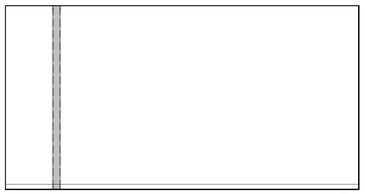

TRAINING - D 8
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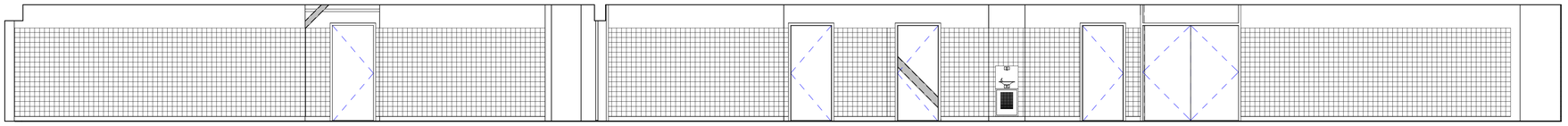
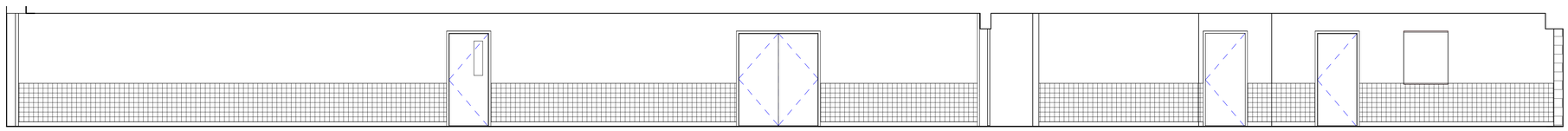


C 0- North - A 30
1/4" = 1'-0"



C - 0 - North - C 31
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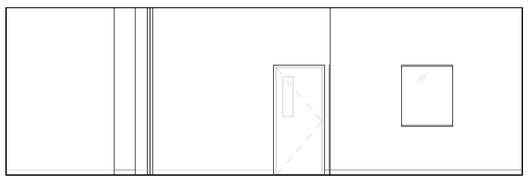
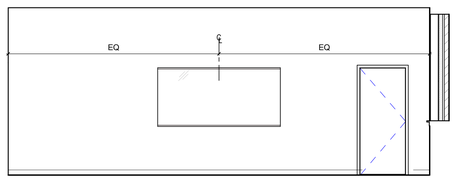
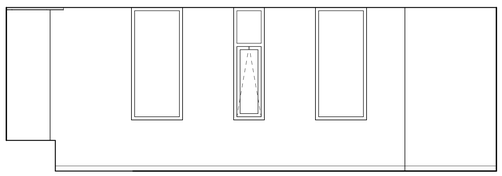


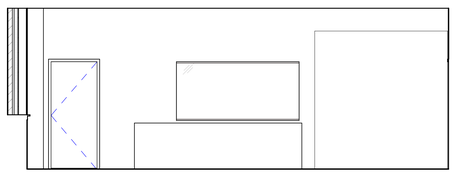
MARKTING CR - A 11
1/4" = 1'-0"



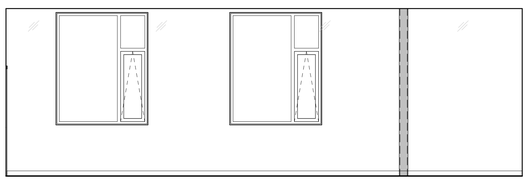
MARKTING CR - B 12
1/4" = 1'-0"



STORE - C 16
1/4" = 1'-0"



STORE - D 17
1/4" = 1'-0"



MARKTING CR - C 13
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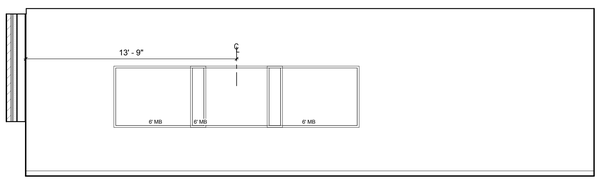

MARKTING CR - D 10
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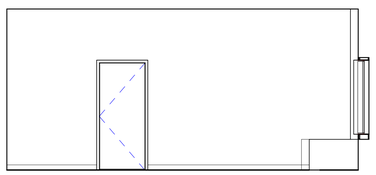

STORE - A 14
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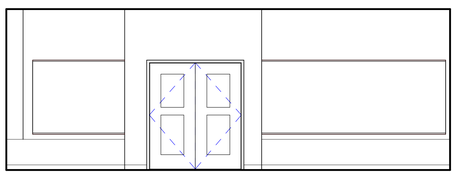

STORE - B 15
1/4" = 1'-0"

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JOB NUMBER 403114

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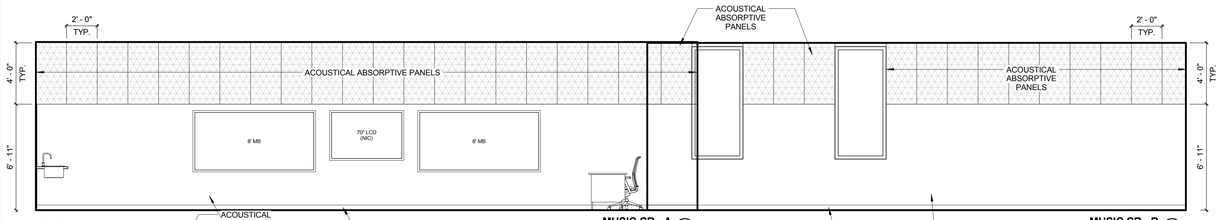

MUSIC CR - A 9
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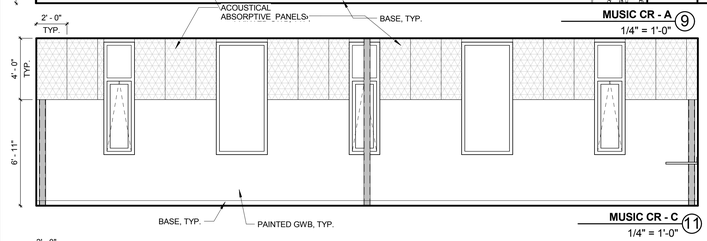

MUSIC CR - C 11
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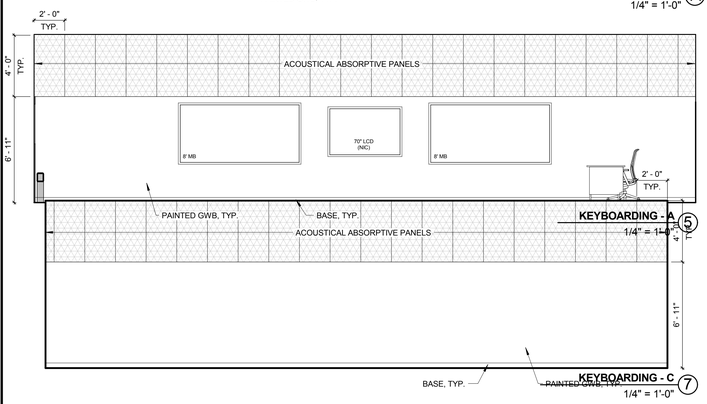
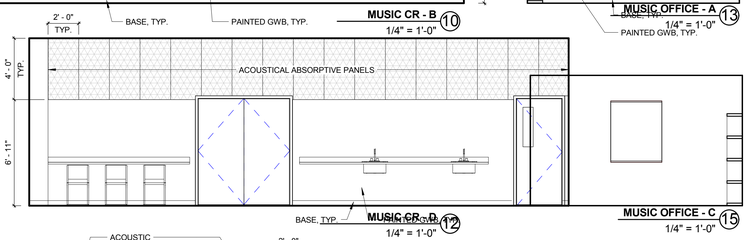
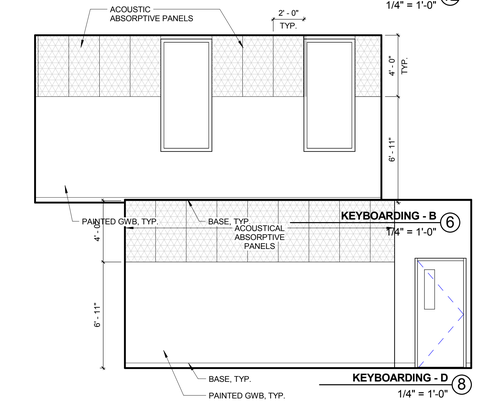
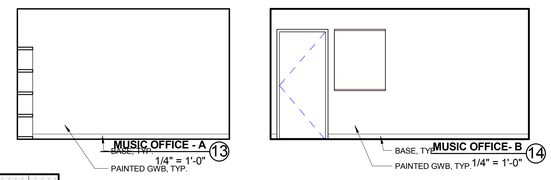


MUSIC CR - B 10
1/4" = 1'-0"



MUSIC CR - D 12
1/4" = 1'-0"

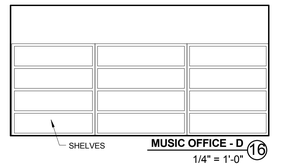




MUSIC OFFICE - A 13
1/4" = 1'-0"

MUSIC OFFICE- B 14
1/4" = 1'-0"

MUSIC OFFICE - C 15
1/4" = 1'-0"



MUSIC OFFICE - D 16
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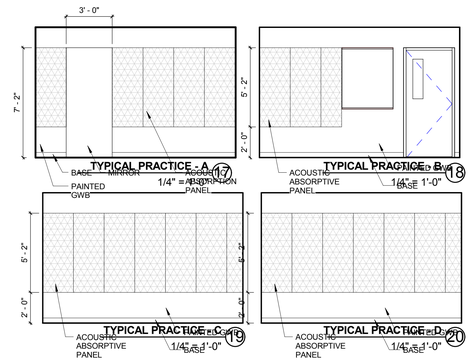
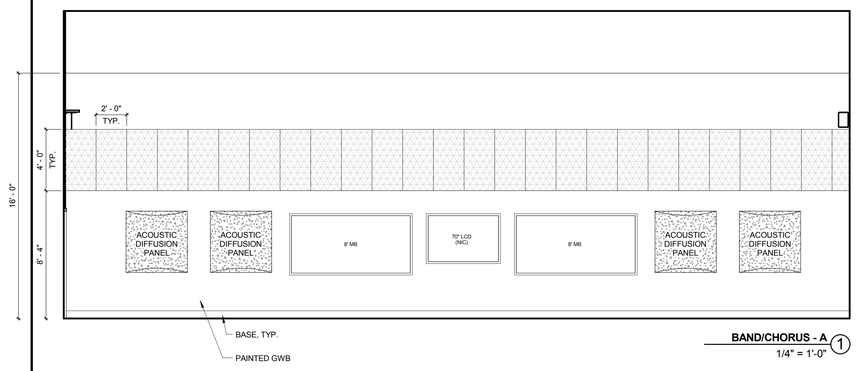
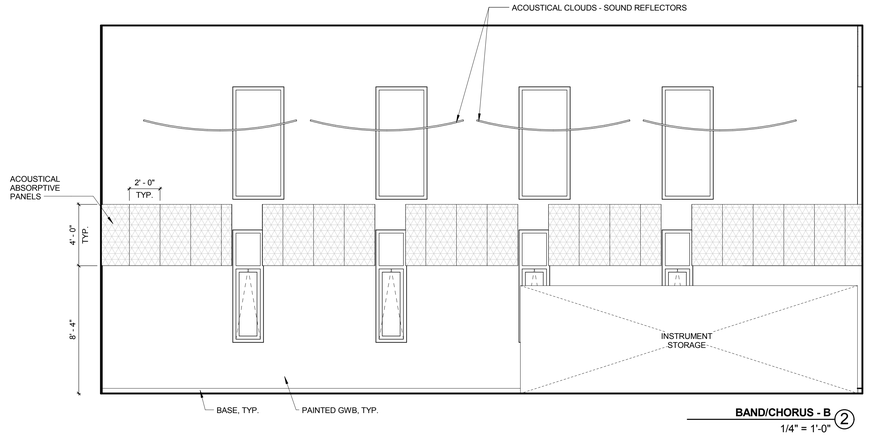
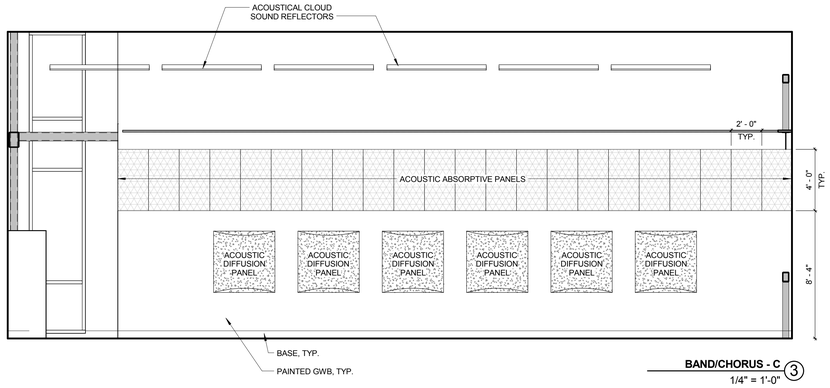




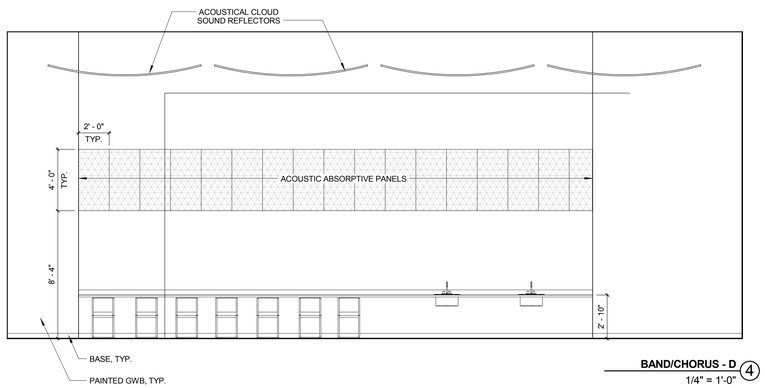
BAND/CHORUS - A 1
1/4" = 1'-0"



BAND/CHORUS - B 2
1/4" = 1'-0"

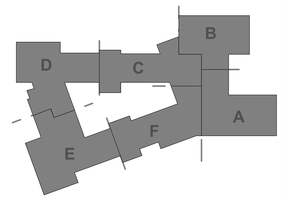


BAND/CHORUS - C 3
1/4" = 1'-0"



BAND/CHORUS - D 4
1/4" = 1'-0"

KEYPLAN



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SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A12.15

JOB NUMBER 403114

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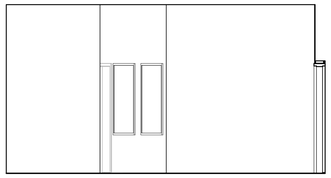
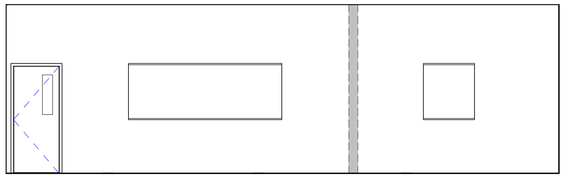
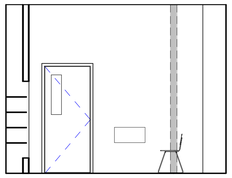
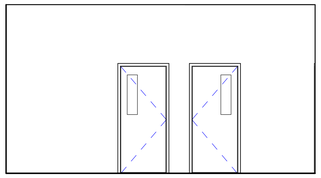


SALON - D 4
1/4" = 1'-0"

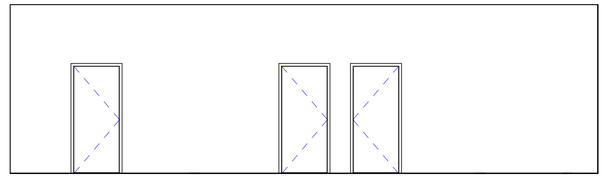




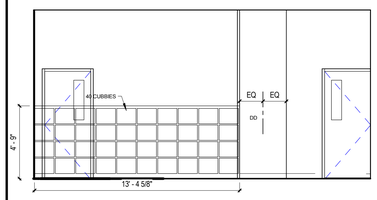
SALON - C 3
1/4" = 1'-0"



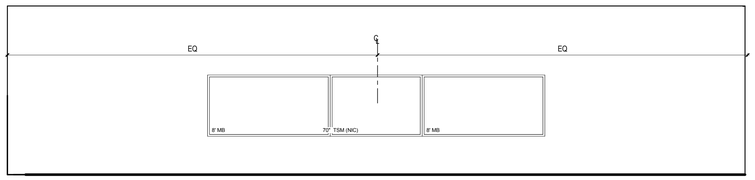
SALON - B 2
1/4" = 1'-0"



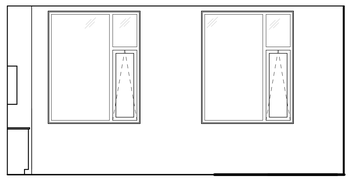
SALON - A 1
1/4" = 1'-0"



COSMETOLOGY CR - D 8
1/4" = 1'-0"



COSMETOLOGY CR - C 7
1/4" = 1'-0"



COSMETOLOGY CR - B 6
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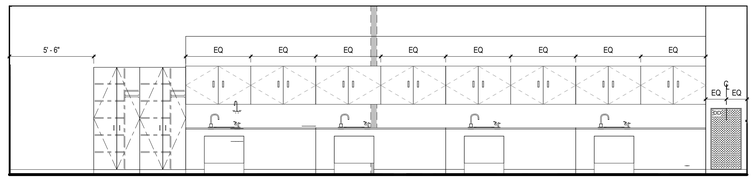

COSMETOLOGY CR - A 5
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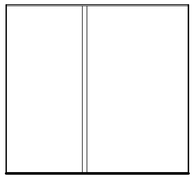
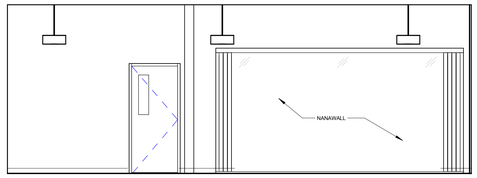
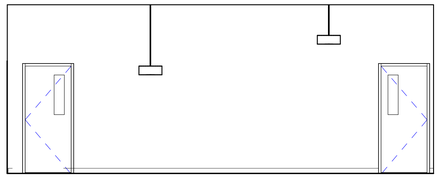


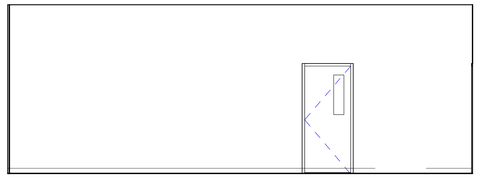
CULINARY LOCKER ROOM - ELEVATION A 13
1/4" = 1'-0"



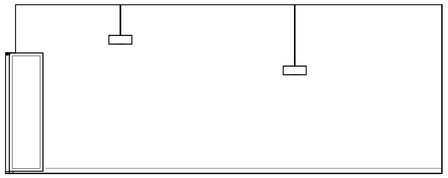
CULINARY DINING - D 12
1/4" = 1'-0"



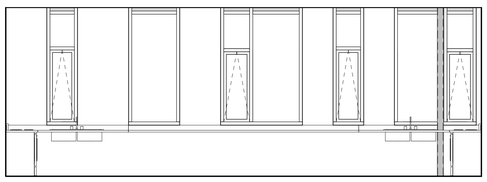
CULINARY DINING - C 11
1/4" = 1'-0"



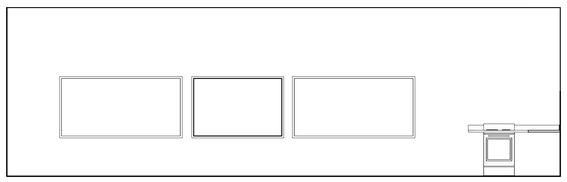
CULINARY DINING - B 10
1/4" = 1'-0"



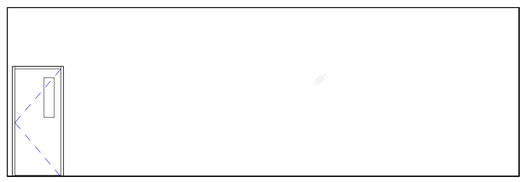
CULINARY DINING - A 9
1/4" = 1'-0"



LIFE SKILLS - C 18
1/4" = 1'-0"



LIFE SKILLS - B 17
1/4" = 1'-0"



LIFE SKILLS - A 16
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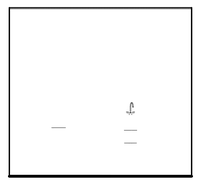
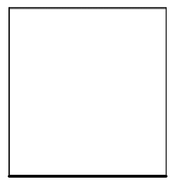
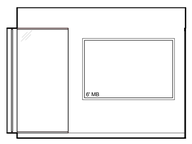


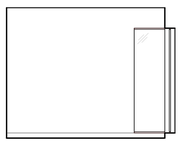
CULINARY LOCKER ROOM- ELEVATION C 15
1/4" = 1'-0"



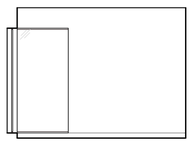
CULINARY LOCKER ROOM - ELEVATION B 14
1/4" = 1'-0"



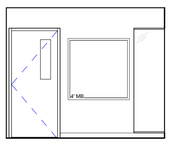
SPEECH ROOM - D 23
1/4" = 1'-0"



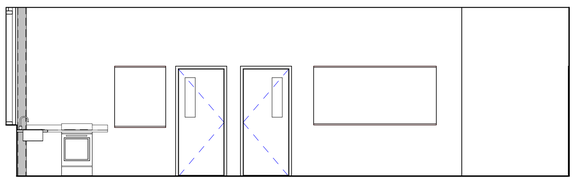
SPEECH ROOM - C 22
1/4" = 1'-0"



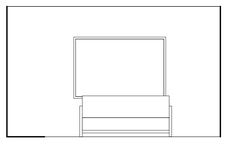
SPEECH ROOM - B 21
1/4" = 1'-0"



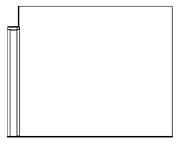
SPEECH ROOM - A 20
1/4" = 1'-0"



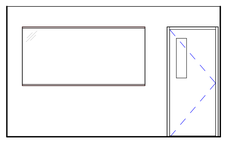
LIFE SKILLS - D 19
1/4" = 1'-0"



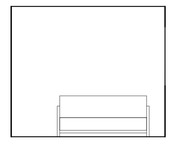
LIVING ROOM - D 27
1/4" = 1'-0"



LIVING ROOM - C 26
1/4" = 1'-0"



LIVING ROOM - B 25
1/4" = 1'-0"



LIVING ROOM - A 24
1/4" = 1'-0"

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JOB NUMBER 403114

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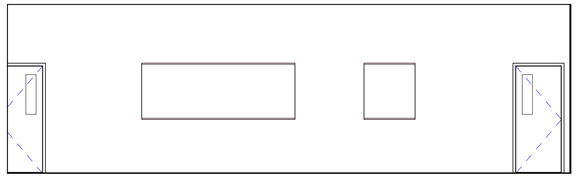
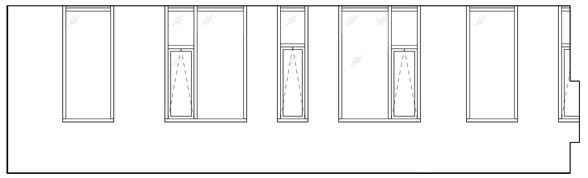
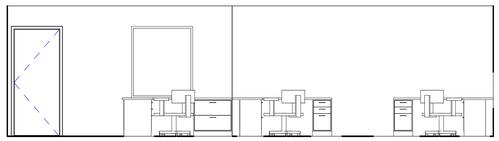


NJROTC MARCHING - C (3)
1/4" = 1'-0"

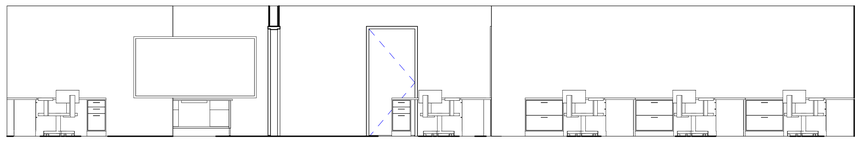
NJROTC MARCHING - B (2)
1/4" = 1'-0"



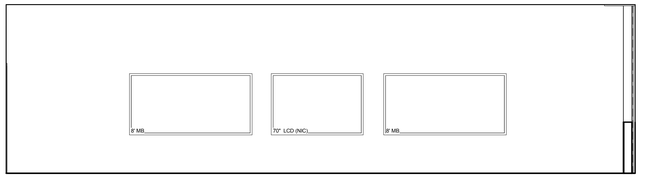
CNJROTC MARCHING - A (1)
1/4" = 1'-0"



SPED RES - B (6)
1/4" = 1'-0"

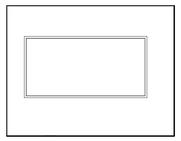


SPED RES - A (5)
1/4" = 1'-0"

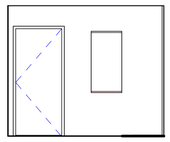


NJROTC MARCHING - D (4)
1/4" = 1'-0"

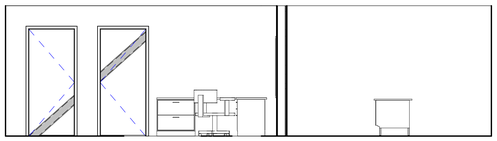
LIBRARY OFFICE - C (11)
1/4" = 1'-0"



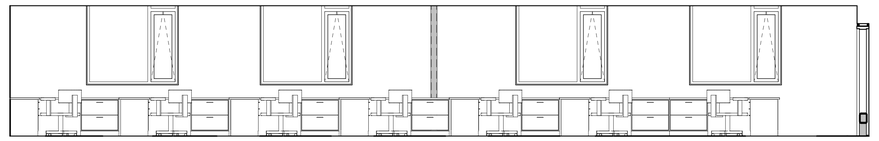
LIBRARY OFFICE - B (10)
1/4" = 1'-0"



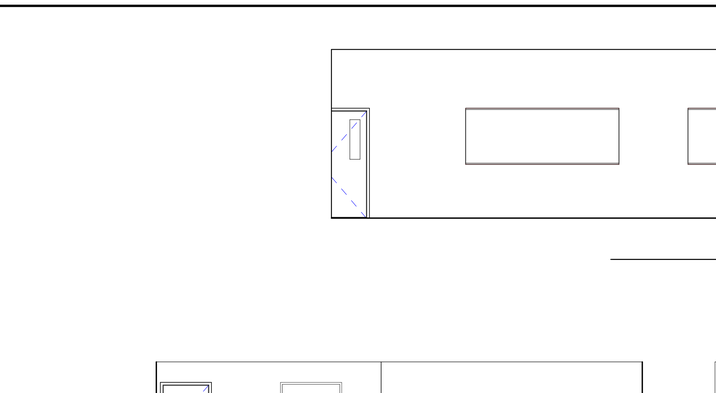
LIBRARY OFFICE - A (9)
1/4" = 1'-0"



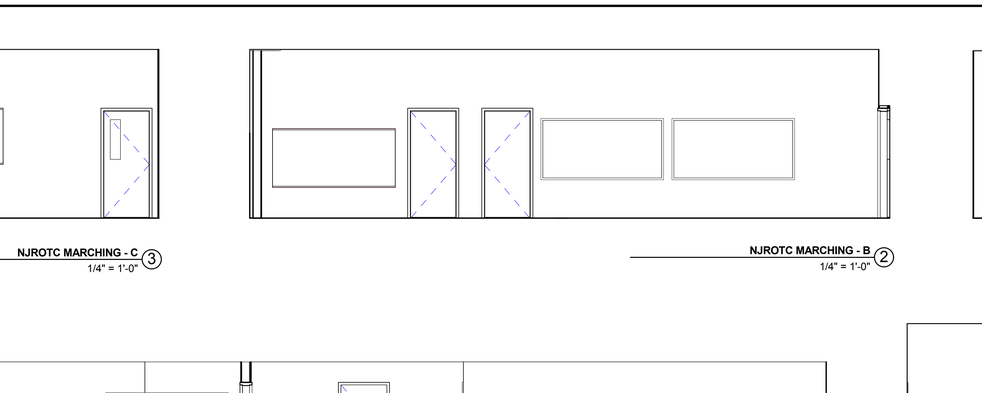
SPED RES - D (8)
1/4" = 1'-0"



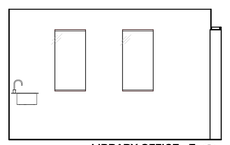
SPED RES - C (7)
1/4" = 1'-0"



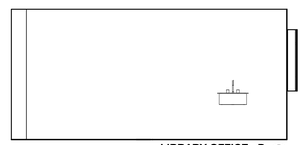
LIBRARY - B (15)
1/4" = 1'-0"



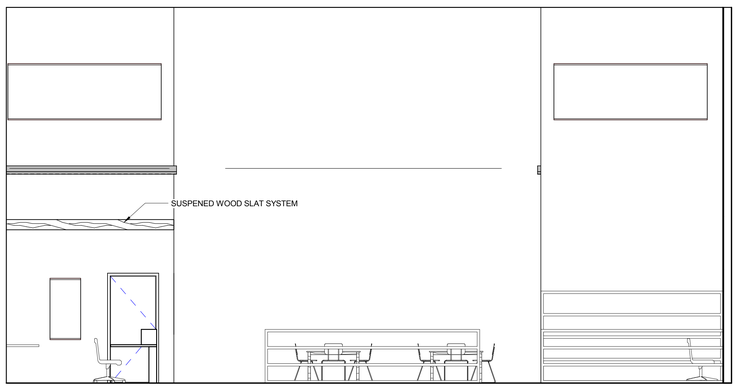
LIBRARY - A (14)
1/4" = 1'-0"



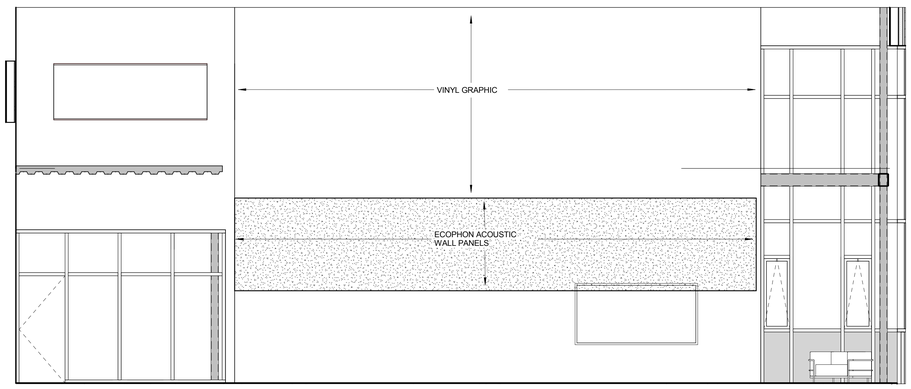
LIBRARY OFFICE - E (13)
1/4" = 1'-0"



LIBRARY OFFICE - D (12)
1/4" = 1'-0"



LIBRARY - C (17)
1/4" = 1'-0"



LIBRARY - D (16)
1/4" = 1'-0"

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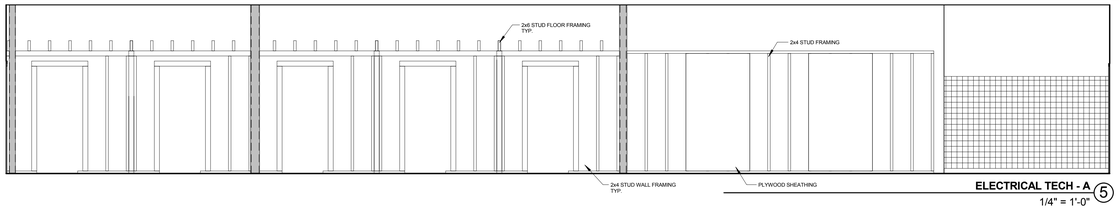
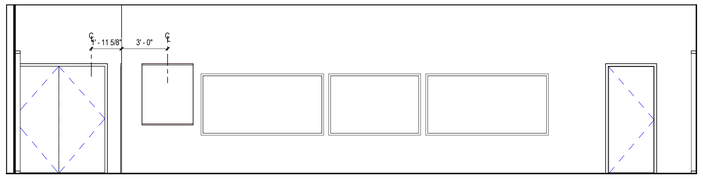
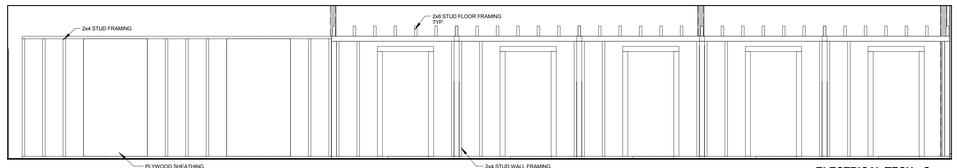


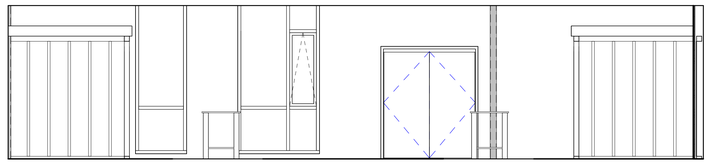
ELECTRICAL TECH - A (5)
1/4" = 1'-0"



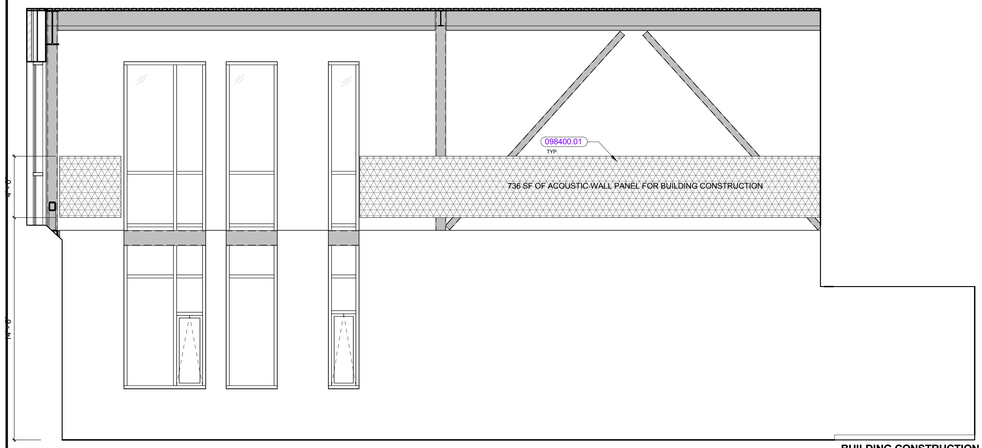
ELECTRICAL TECH - B (6)
1/4" = 1'-0"



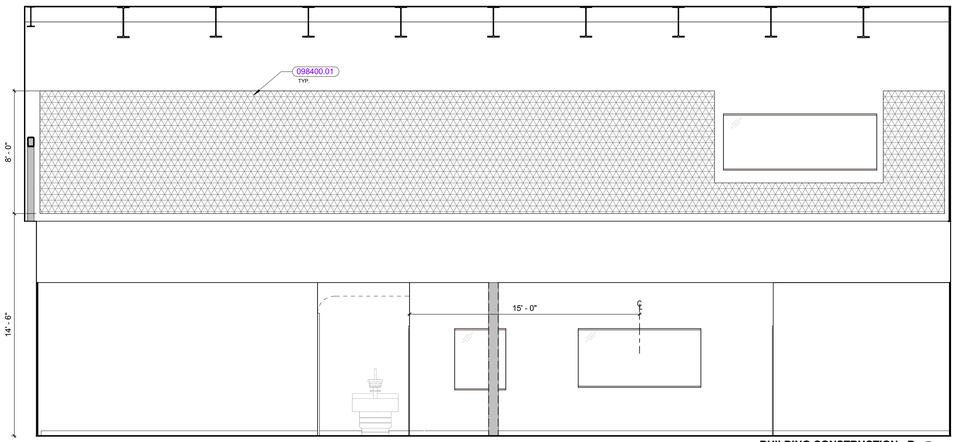
ELECTRICAL TECH - C (7)
1/4" = 1'-0"



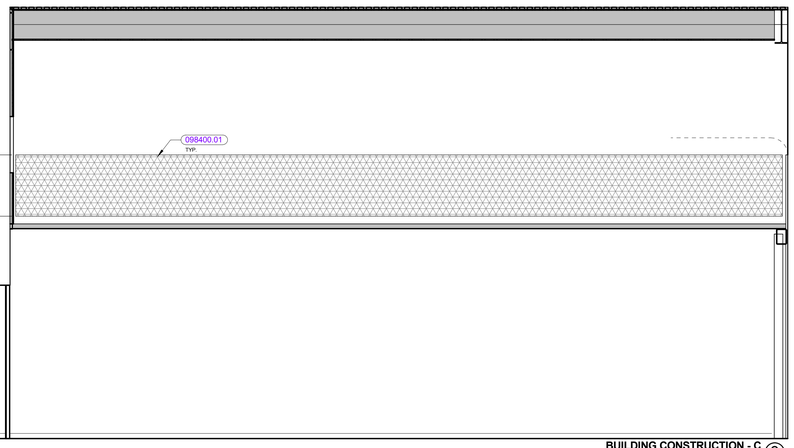
ELECTRICAL TECH - D (8)
1/4" = 1'-0"



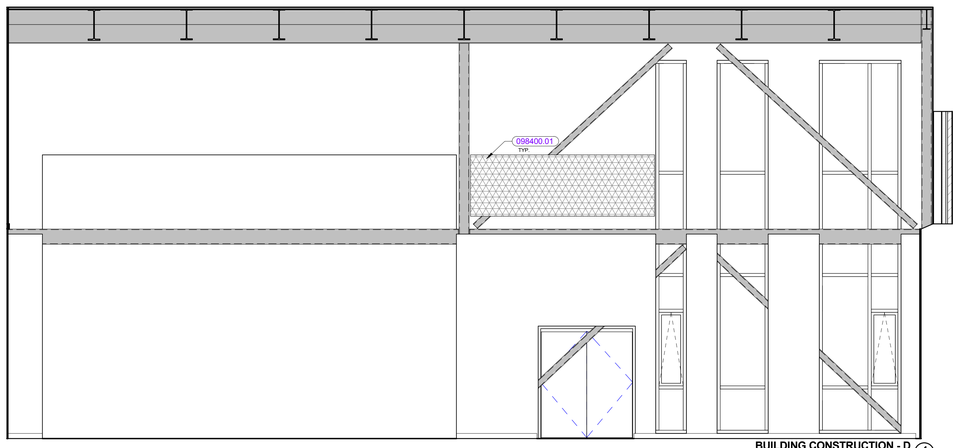
BUILDING CONSTRUCTION - A (1)
1/4" = 1'-0"



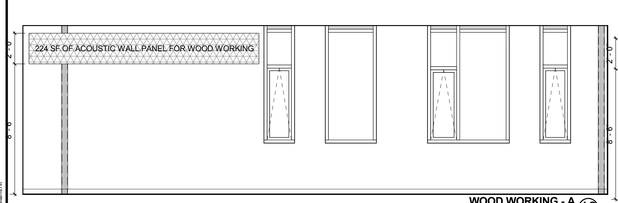
BUILDING CONSTRUCTION - B (2)
1/4" = 1'-0"



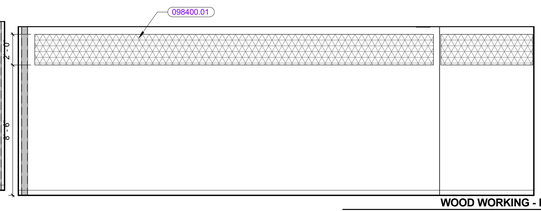
BUILDING CONSTRUCTION - C (3)
1/4" = 1'-0"



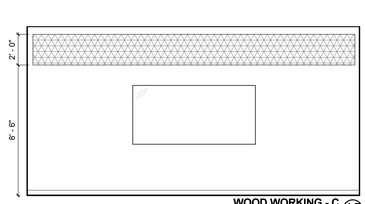
BUILDING CONSTRUCTION - D (4)
1/4" = 1'-0"



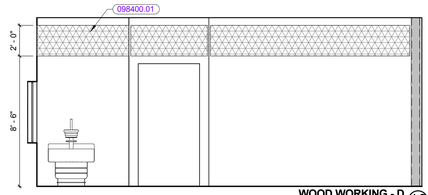
WOOD WORKING - A (13)
1/4" = 1'-0"



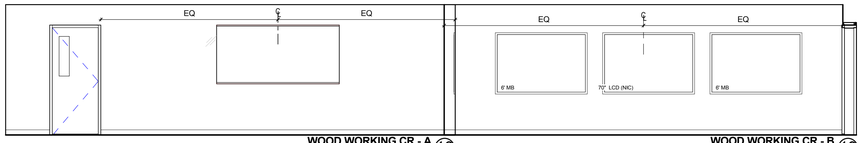
WOOD WORKING - B (14)
1/4" = 1'-0"



WOOD WORKING - C (15)
1/4" = 1'-0"

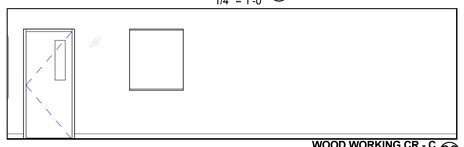


WOOD WORKING - D (16)
1/4" = 1'-0"

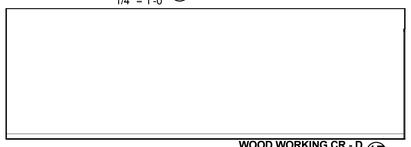


WOOD WORKING CR - A (18)
1/4" = 1'-0"

WOOD WORKING CR - B (19)
1/4" = 1'-0"



WOOD WORKING CR - C (20)
1/4" = 1'-0"



WOOD WORKING CR - D (17)
1/4" = 1'-0"

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3/15/2016

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Interior Elevations

SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
A12.18

JOB NUMBER 403114

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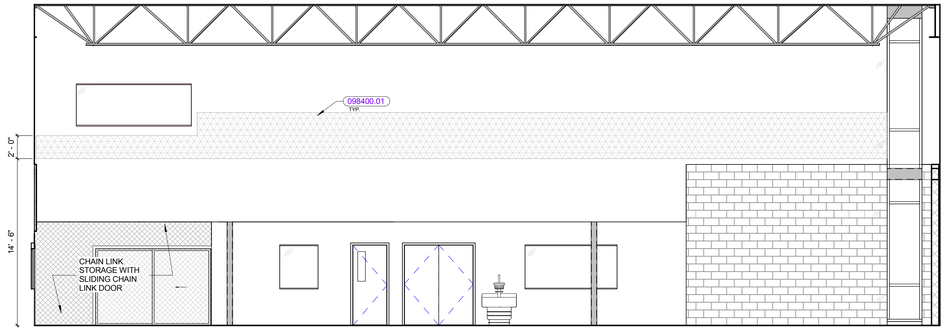
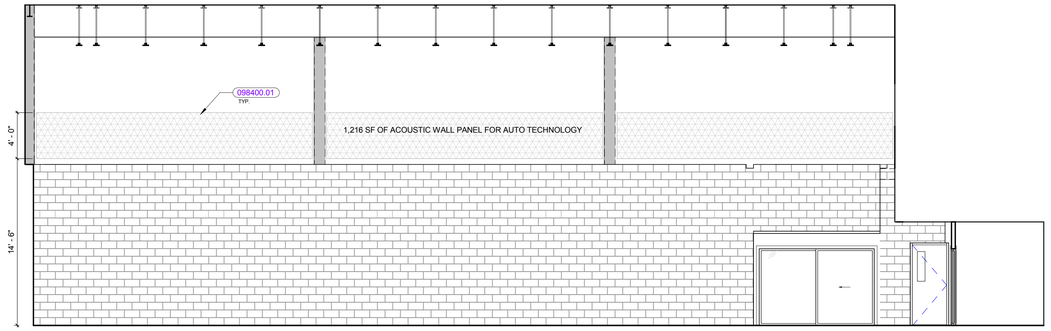
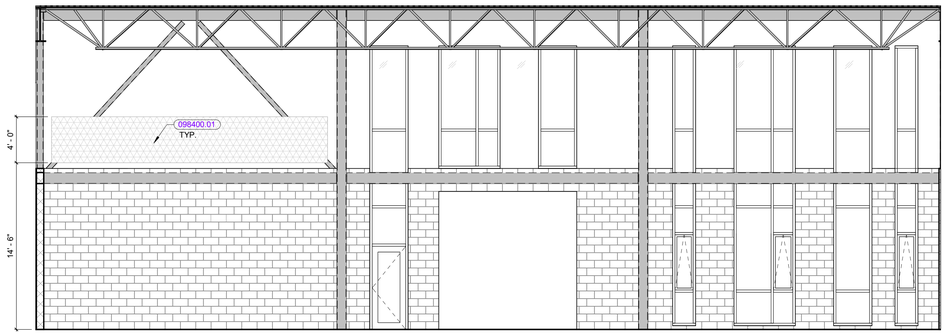


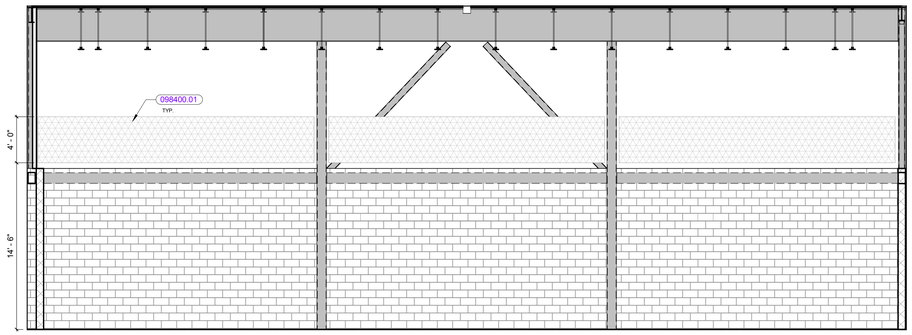
AUTOMOTIVE TECHNOLOGY LAB - B (2)
3/16" = 1'-0"



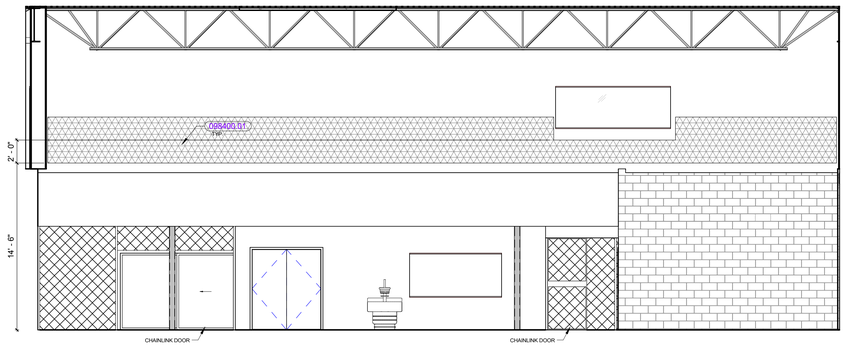
AUTOMOTIVE TECHNOLOGY LAB - A (1)
3/16" = 1'-0"



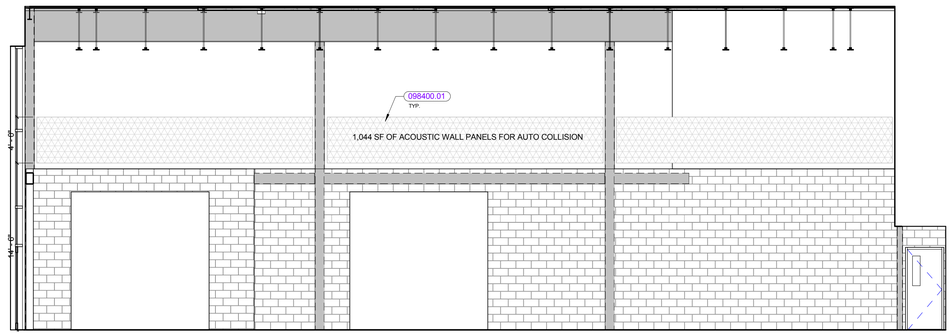
AUTOMOTIVE TECHNOLOGY LAB - D (4)
3/16" = 1'-0"



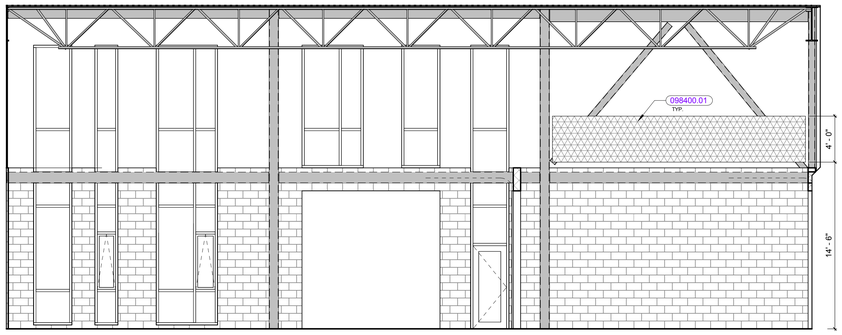
AUTOMOTIVE TECHNOLOGY LAB - C (3)
3/16" = 1'-0"



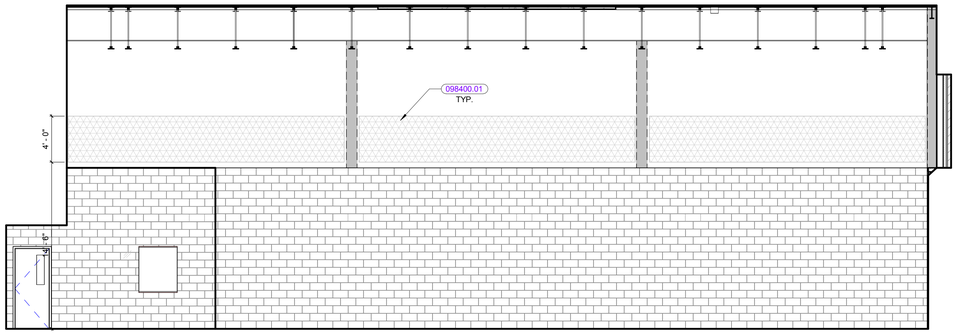
AUTOMOTIVE COLLISION LAB - B (6)
3/16" = 1'-0"



AUTOMOTIVE COLLISION LAB - A (5)
3/16" = 1'-0"



AUTOMOTIVE COLLISION LAB - D (8)
3/16" = 1'-0"



AUTOMOTIVE COLLISION LAB - C (7)
3/16" = 1'-0"

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SCALE: 3/16" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A12.19

JOB NUMBER 403114

3/15/2016 8:03:18 PM C:\Users\mwilson\Documents\Revit Files_CENTRAL_wilsonm.rvt

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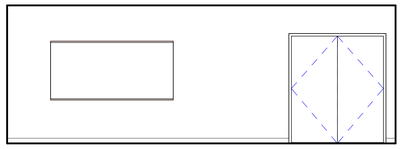
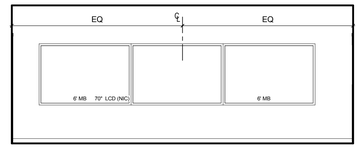


AUTOMOTIVE CR - D 4
1/4" = 1'-0"

AUTOMOTIVE CR - C 3
1/4" = 1'-0"

AUTOMOTIVE CR - B 2
1/4" = 1'-0"



AUTOMOTIVE CR - A 1
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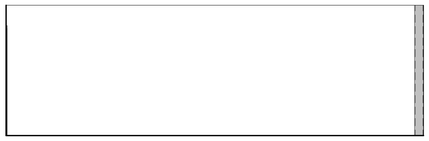
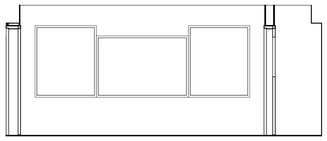
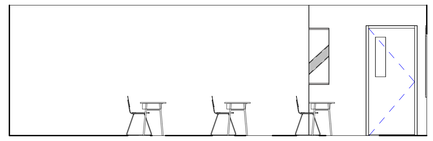


WELDING CR - D 8
1/4" = 1'-0"

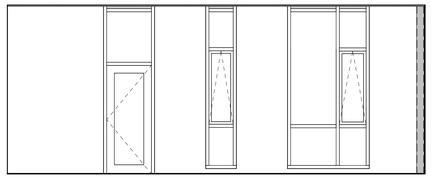


WELDING CR - C 7
1/4" = 1'-0"



WELDING CR - B 6
1/4" = 1'-0"

WELDING CR - A 5
1/4" = 1'-0"



WELDING LAB - D 12
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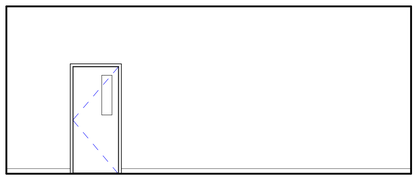
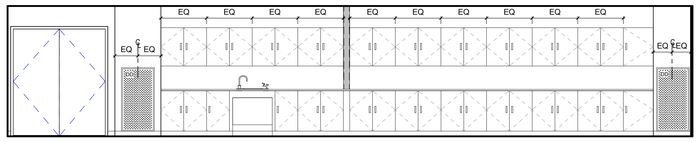


WELDING LAB - C 11
1/4" = 1'-0"

WELDING LAB - B 10
1/4" = 1'-0"

WELDING LAB - A 9
1/4" = 1'-0"

PRE-ENGINEERING - B 18
1/4" = 1'-0"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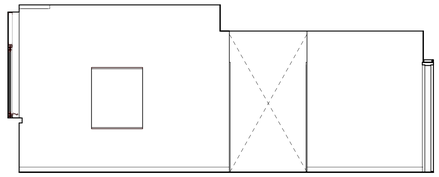
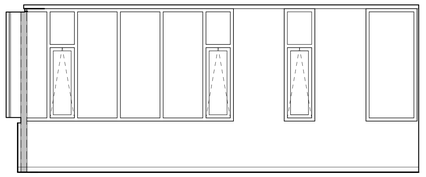
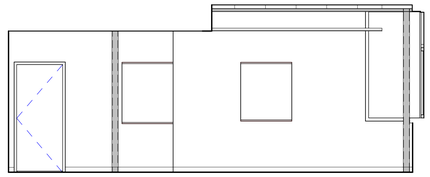


GENERAL OFFICE - D (5)
1/4" = 1'-0"

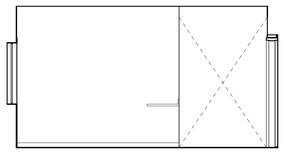


GENERAL OFFICE - C (4)
1/4" = 1'-0"

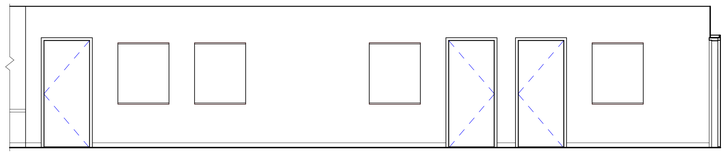


GENERAL OFFICE - B (2)
1/4" = 1'-0"

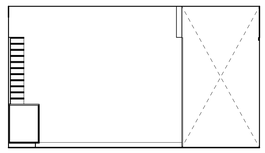
GENERAL OFFICE - A (1)
1/4" = 1'-0"



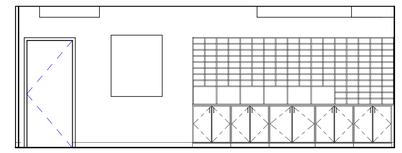
DUPLICATING / MAIL - D (9)
1/4" = 1'-0"



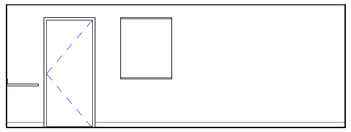
DUPLICATING / MAIL - C (8)
1/4" = 1'-0"



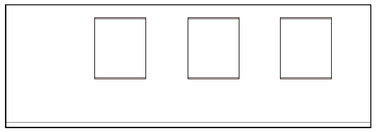
DUPLICATING / MAIL - B (7)
1/4" = 1'-0"



DUPLICATING / MAIL - A (6)
1/4" = 1'-0"

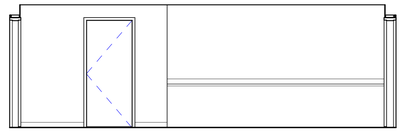


ADMIN LARGE CONFERENCE - A (11)
1/4" = 1'-0"

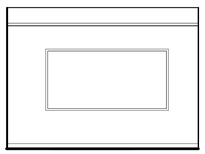


ADMIN LARGE CONFERENCE - B (10)
1/4" = 1'-0"

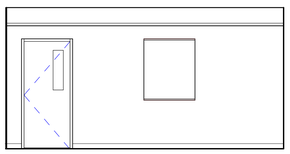
ADMIN LARGE CONFERENCE - C (12)
1/4" = 1'-0"



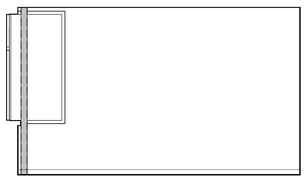
ADMIN LARGE CONFERENCE - D (13)
1/4" = 1'-0"



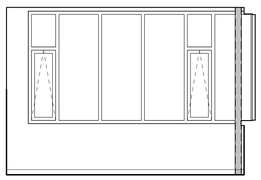
GUIDANCE CONFERENCE ROOM - D (33)
1/4" = 1'-0"



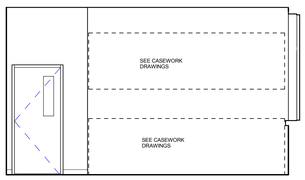
GUIDANCE CONFERENCE ROOM - C (32)
1/4" = 1'-0"



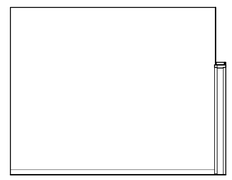
ADMIN SMALL CONFERECE ROOM - D (28)
1/4" = 1'-0"



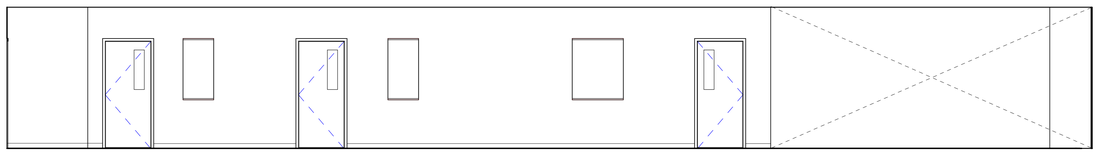
ADMIN SMALL CONFERECE ROOM - C (27)
1/4" = 1'-0"



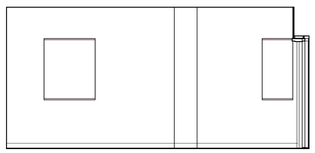
ADMIN SMALL CONFERECE ROOM - B (26)
1/4" = 1'-0"



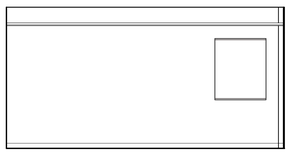
ADMIN SMALL CONFERECE ROOM - A (3)
1/4" = 1'-0"



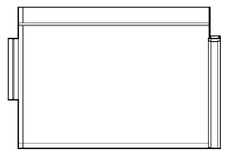
GUIDANCE SUITE - A (38)
1/4" = 1'-0"



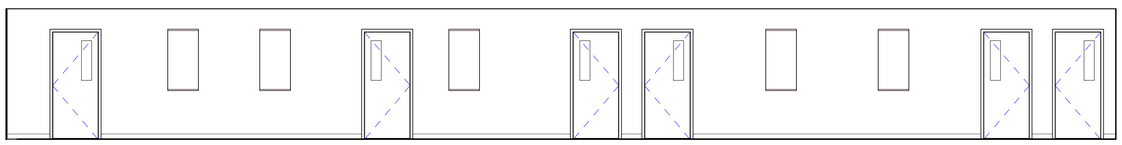
GUIDANCE SUITE - B (39)
1/4" = 1'-0"



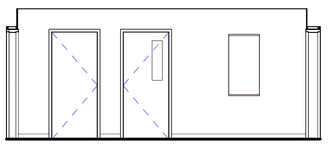
GUIDANCE CONFERENCE ROOM - A (30)
1/4" = 1'-0"



GUIDANCE CONFERENCE ROOM - B (31)
1/4" = 1'-0"



GUIDANCE SUITE - C (40)
1/4" = 1'-0"



GUIDANCE SUITE - D (41)
1/4" = 1'-0"

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SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A12.21

JOB NUMBER 403114

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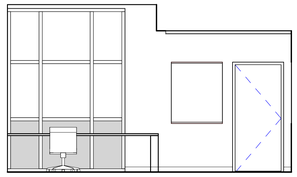

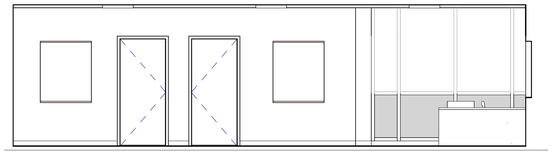

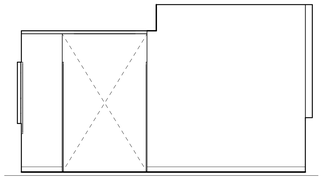

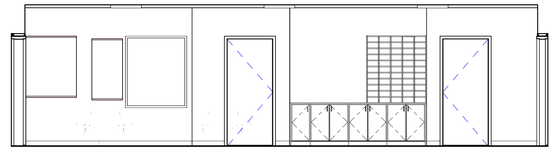

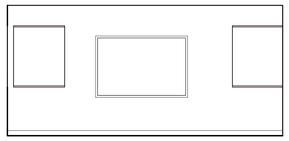

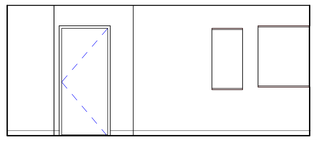

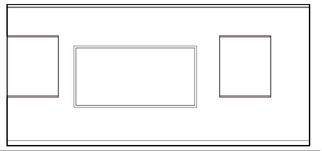

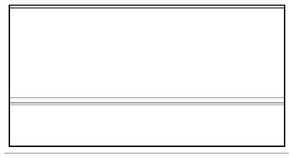

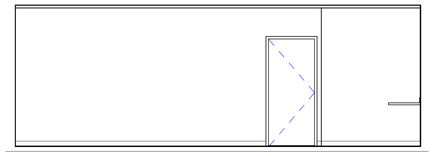

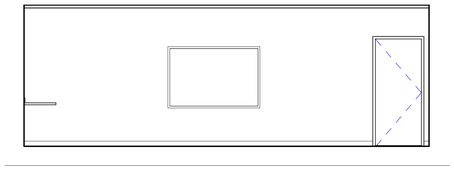

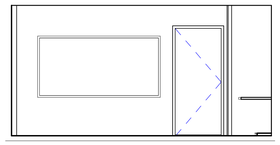

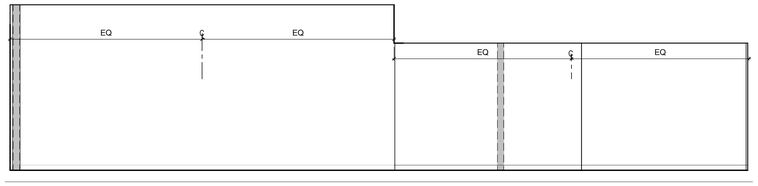

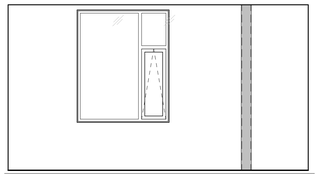

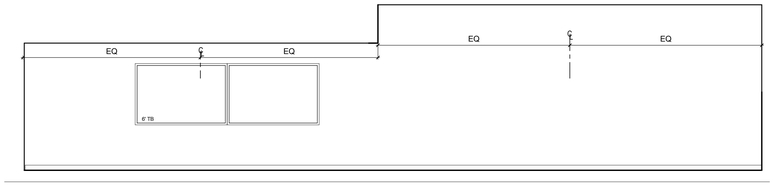

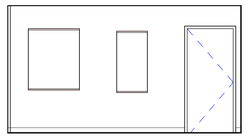

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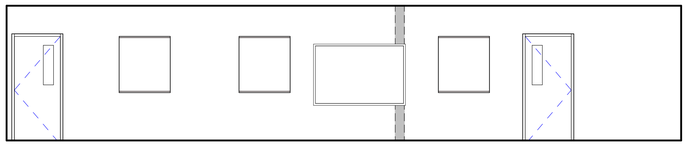
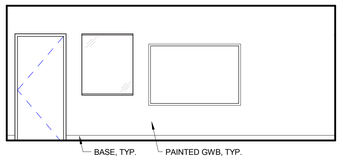
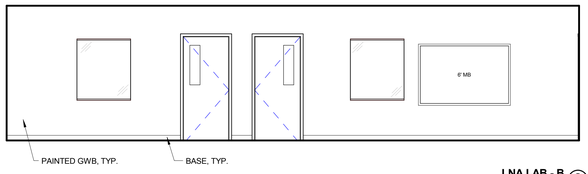


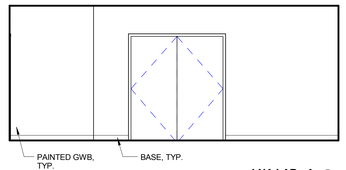
LNA LAB - D (4)
1/4" = 1'-0"



LNA LAB - C (3)
1/4" = 1'-0"

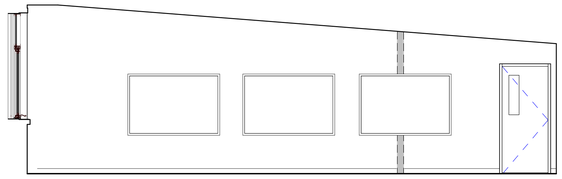


LNA LAB - B (2)
1/4" = 1'-0"

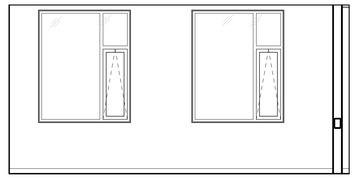


LNA LAB - A (1)
1/4" = 1'-0"

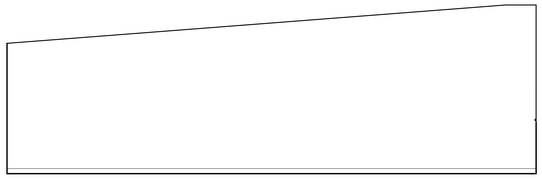
HEALTH SCIENCE CR - ELEVATION D (8)
1/4" = 1'-0"



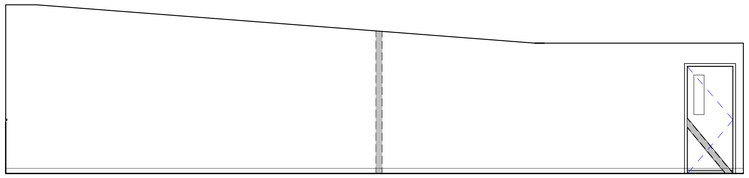
HEALTH SCIENCE CR - ELEVATION C (7)
1/4" = 1'-0"



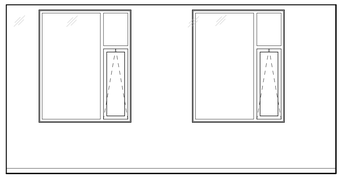
HEALTH SCIENCE CR - ELEVATION B (6)
1/4" = 1'-0"



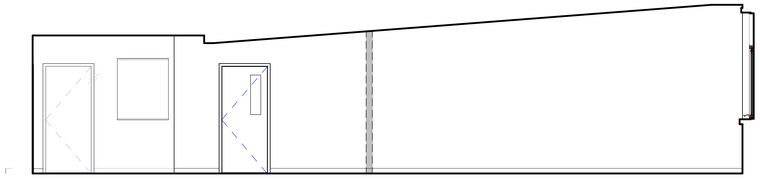
HEALTH SCIENCE CR - ELEVATION A (5)
1/4" = 1'-0"



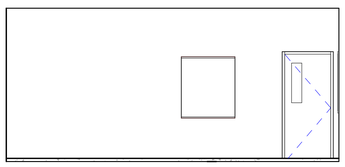
HEALTH SCIENCE LAB - C (11)
1/4" = 1'-0"



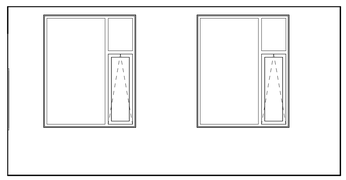
HEALTH SCIENCE LAB - B (10)
1/4" = 1'-0"



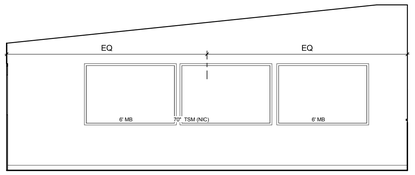
HEALTH SCIENCE LAB - A (9)
1/4" = 1'-0"



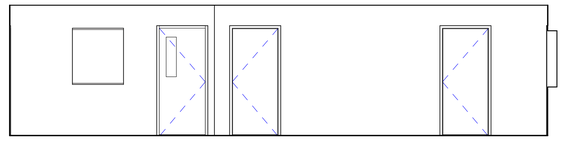
SPORTS MED CR - D (15)
1/4" = 1'-0"



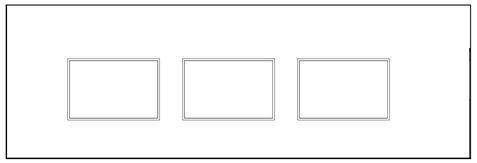
SPORTS MED CR - B (14)
1/4" = 1'-0"



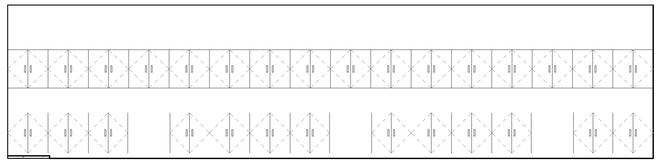
SPORTS MED CR - A (13)
1/4" = 1'-0"



HEALTH SCIENCE LAB - D (12)
1/4" = 1'-0"



LIFE SCIENCE CR - B (19)
1/4" = 1'-0"



LIFE SCIENCE CR - A (18)
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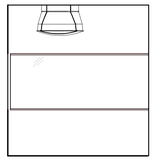
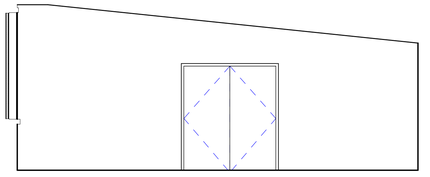
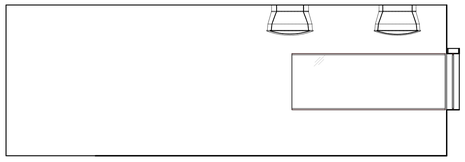


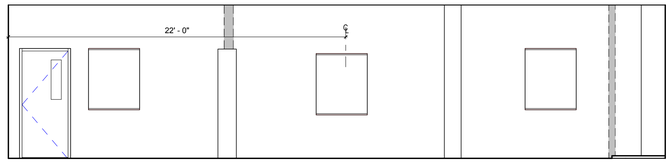
LIFE SCIENCE CR - E (17)
1/4" = 1'-0"



SPORTS MED CR - C (16)
1/4" = 1'-0"



LIFE SCIENCE CR - D (21)
1/4" = 1'-0"



LIFE SCIENCE CR - C (20)
1/4" = 1'-0"

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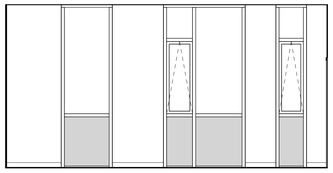

BUSINESS CR - A 4
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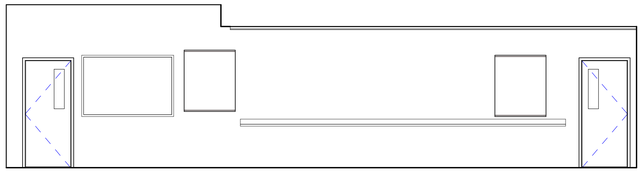

BUSINESS CR - B 3
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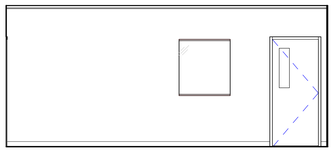

BUSINESS CR - C 2
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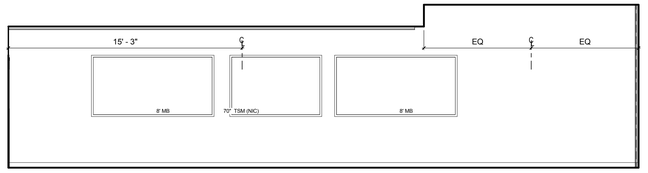

BUSINESS CR - D 1
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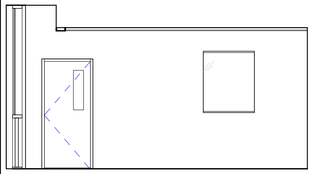
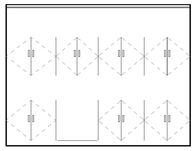
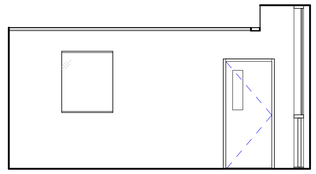


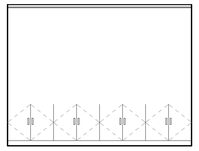
BUSINESS OFFICE - B 11
1/4" = 1'-0"



BUSINESS OFFICE - C 10
1/4" = 1'-0"



BUSINESS OFFICE - D 9
1/4" = 1'-0"



BUSINESS CONFERENCE ROOM - A 8
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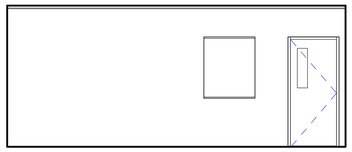
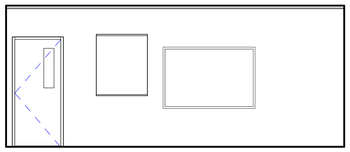
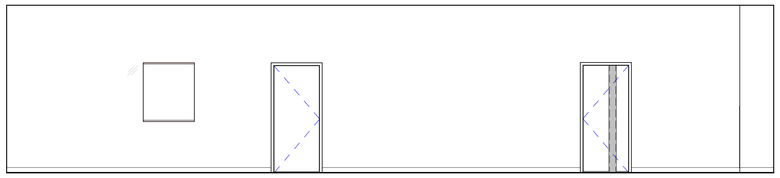


BUSINESS CONFERENCE ROOM - B 7
1/4" = 1'-0"

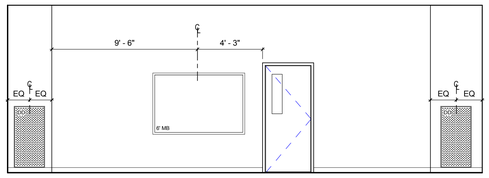
BUSINESS CONFERENCE ROOM - C 6
1/4" = 1'-0"



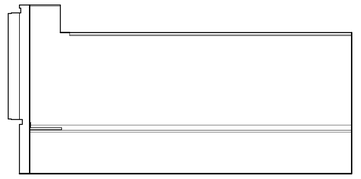
BUSINESS CONFERENCE ROOM - D 5
1/4" = 1'-0"



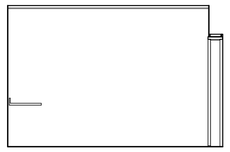
BIO MED CR - A 16
1/4" = 1'-0"



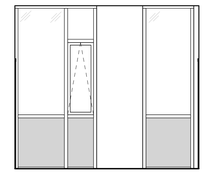
BIO MED CR - B 15
1/4" = 1'-0"



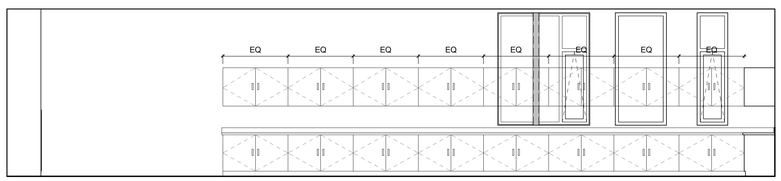
BIO MED PREP ROOM - A 14
1/4" = 1'-0"



BIO MED PREP ROOM - B 13
1/4" = 1'-0"



BUSINESS OFFICE - A 12
1/4" = 1'-0"



BIO MED CR - C 20
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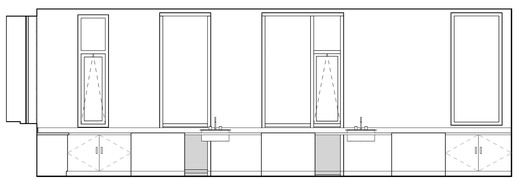
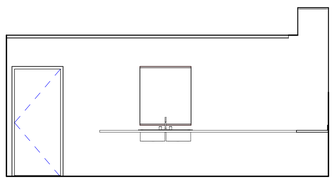
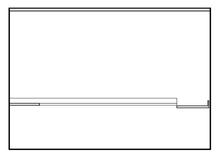


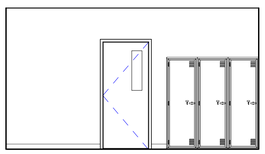
BIO MED CR - D 19
1/4" = 1'-0"



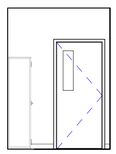
BIO MED PREP ROOM - C 18
1/4" = 1'-0"



BIO MED PREP ROOM - D 17
1/4" = 1'-0"

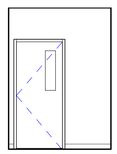


CLEAN ROOM ENTRY - A 28
1/4" = 1'-0"



CLEAN ROOM ENTRY - B 27
1/4" = 1'-0"

CLEAN ROOM ENTRY - C 26
1/4" = 1'-0"



CLEAN ROOM ENTRY - D 25
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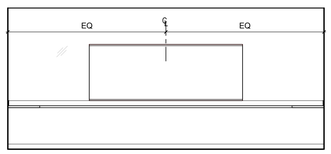
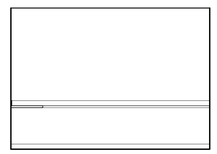
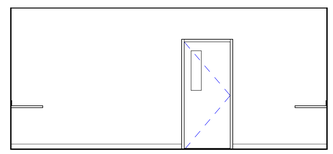


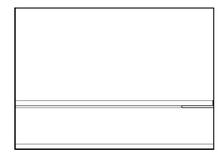
CLEAN ROOM - A 24
1/4" = 1'-0"



CLEAN ROOM - B 23
1/4" = 1'-0"



CLEAN ROOM - C 22
1/4" = 1'-0"



CLEAN ROOM - D 21
1/4" = 1'-0"

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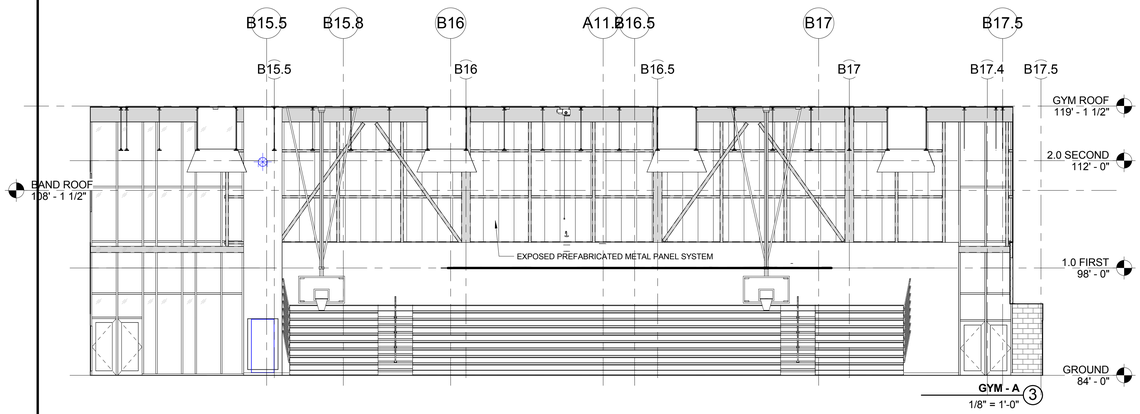
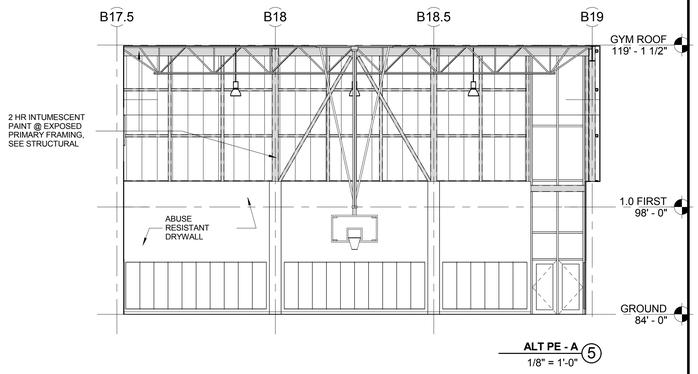
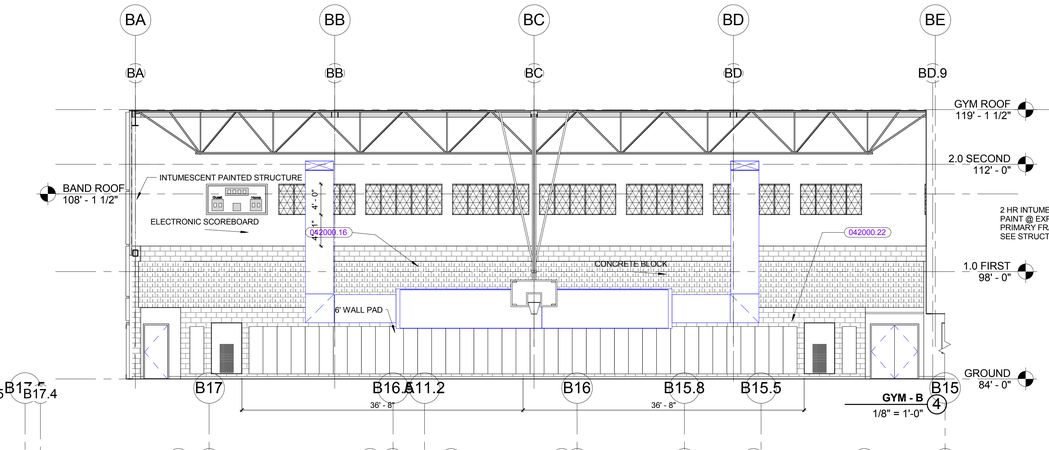


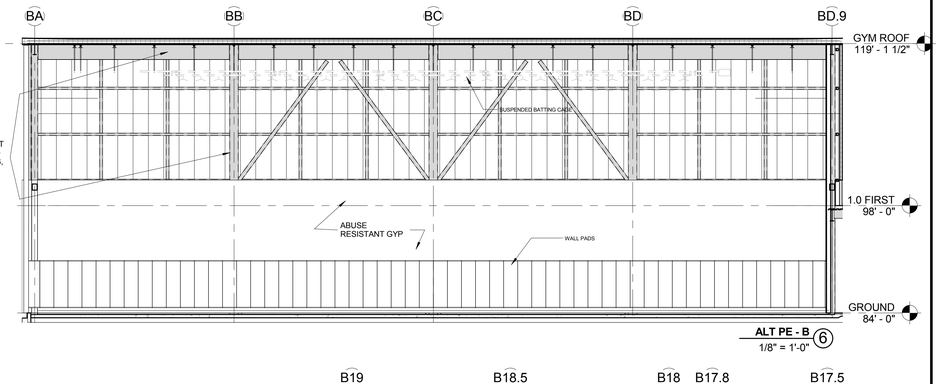
GYM - A 3
1/8" = 1'-0"



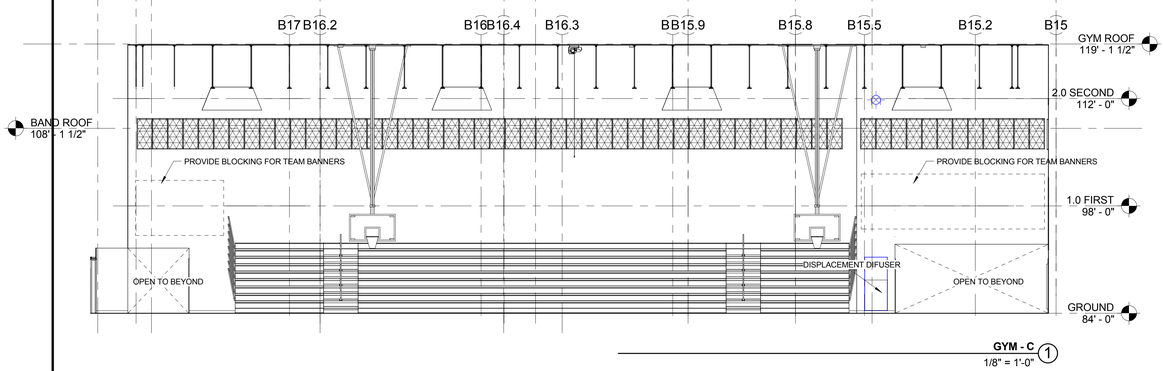
ALT PE - A 5
1/8" = 1'-0"



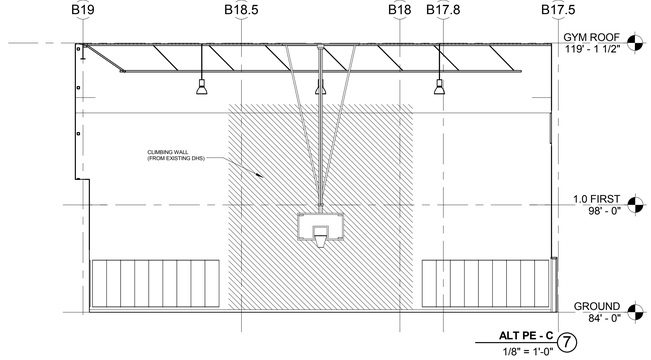
GYM - B 4
1/8" = 1'-0"



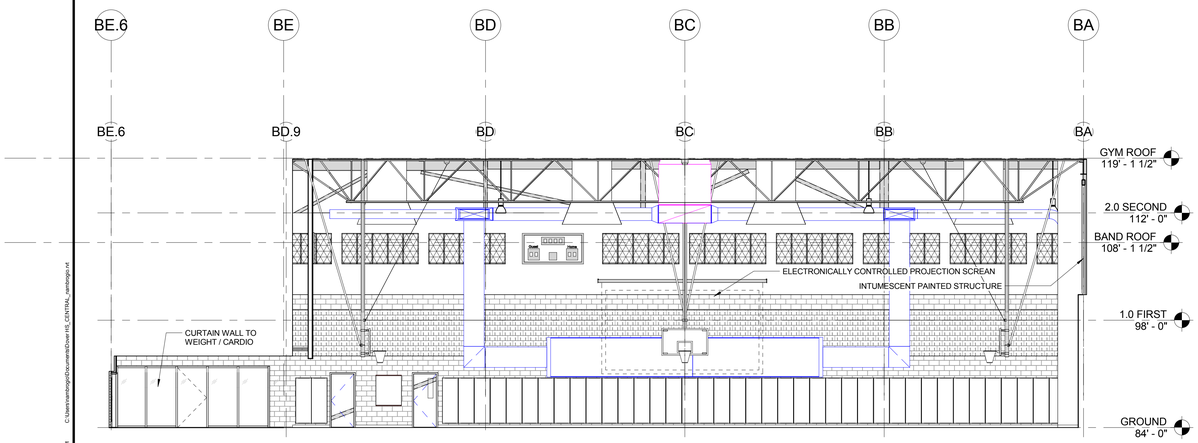
ALT PE - B 6
1/8" = 1'-0"



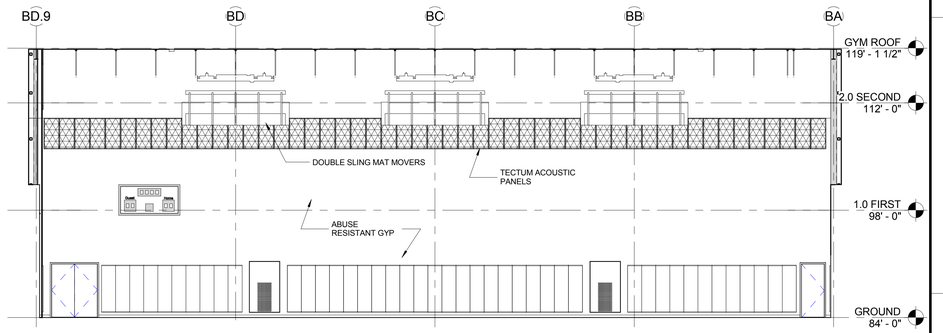
GYM - C 1
1/8" = 1'-0"



ALT PE - C 7
1/8" = 1'-0"



GYM - D 2
1/8" = 1'-0"



ALT PE - D 8
1/8" = 1'-0"

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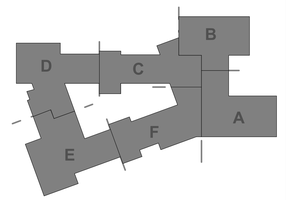

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SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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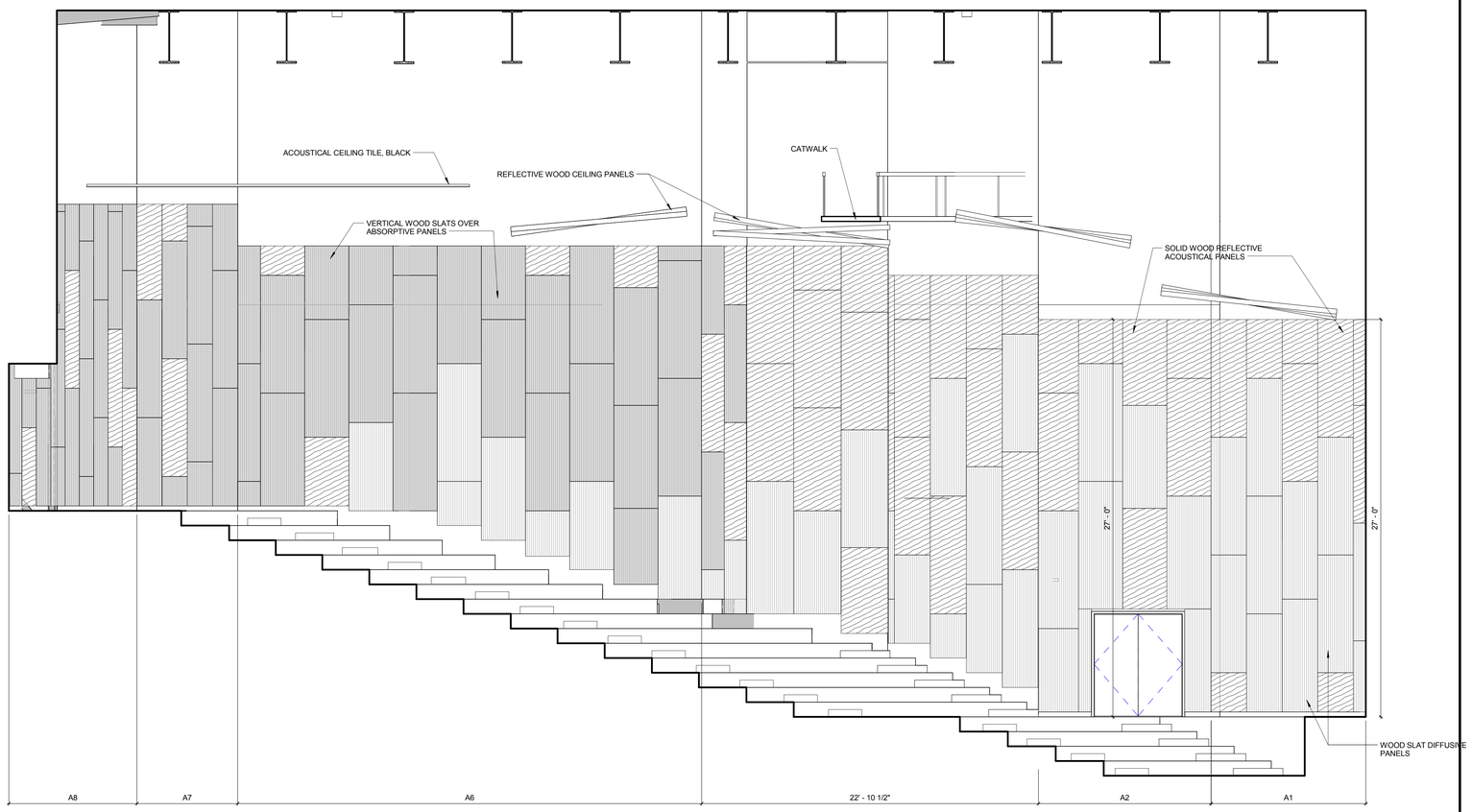

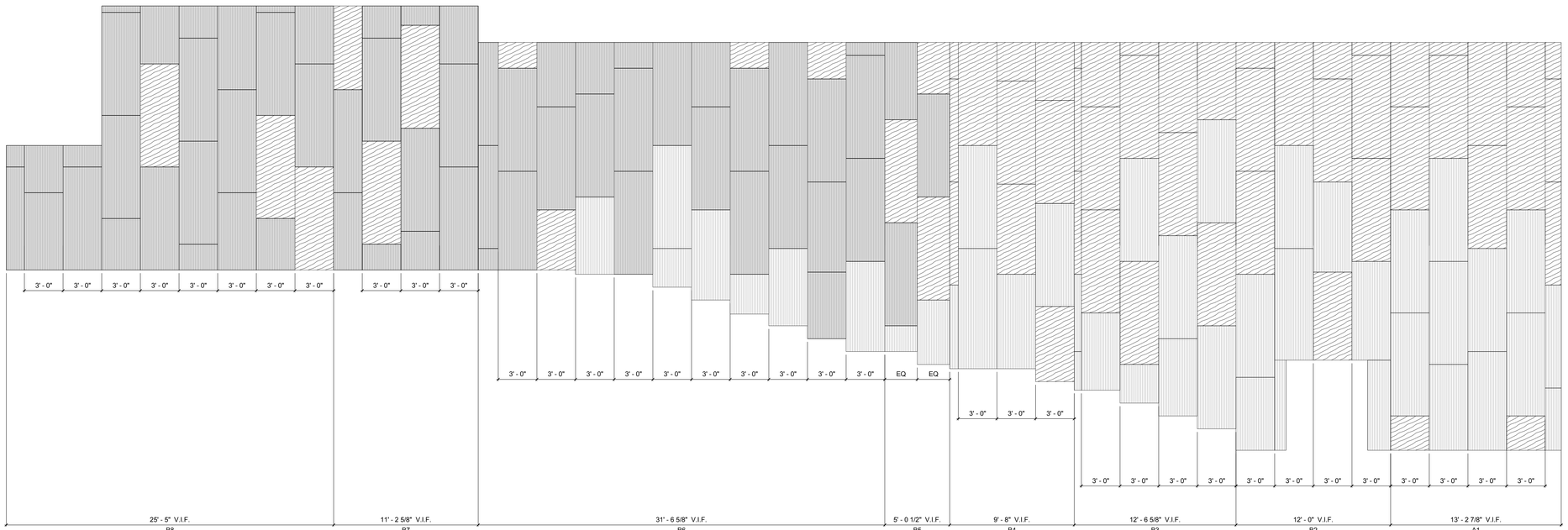

AUDITORIUM - A (1)
1/4" = 1'-0"

INTERIOR ELEVATIONS MATERIALS LEGEND

WOOD PANEL / TRIM	064020
FEATURE CERAMIC WALL TILE	093000
GLAZED CERAMIC WALL TILE	093000
ACOUSTIC ABSORPTION PANEL - AP-1	098400
WOOD ACOUSTIC ABSORPTION PANEL - VERTICAL WOOD SLATS	098400
WOOD ACOUSTIC DIFFUSION PANEL - VERTICAL WOOD SLATS	064020
WOOD ACOUSTIC REFLECTION PANEL	064020
HOMASOTE TACK SURFACE	064020
CMU - GROUND FACE	042000
CMU - ACOUSTICAL	042000
BRICK	042000

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SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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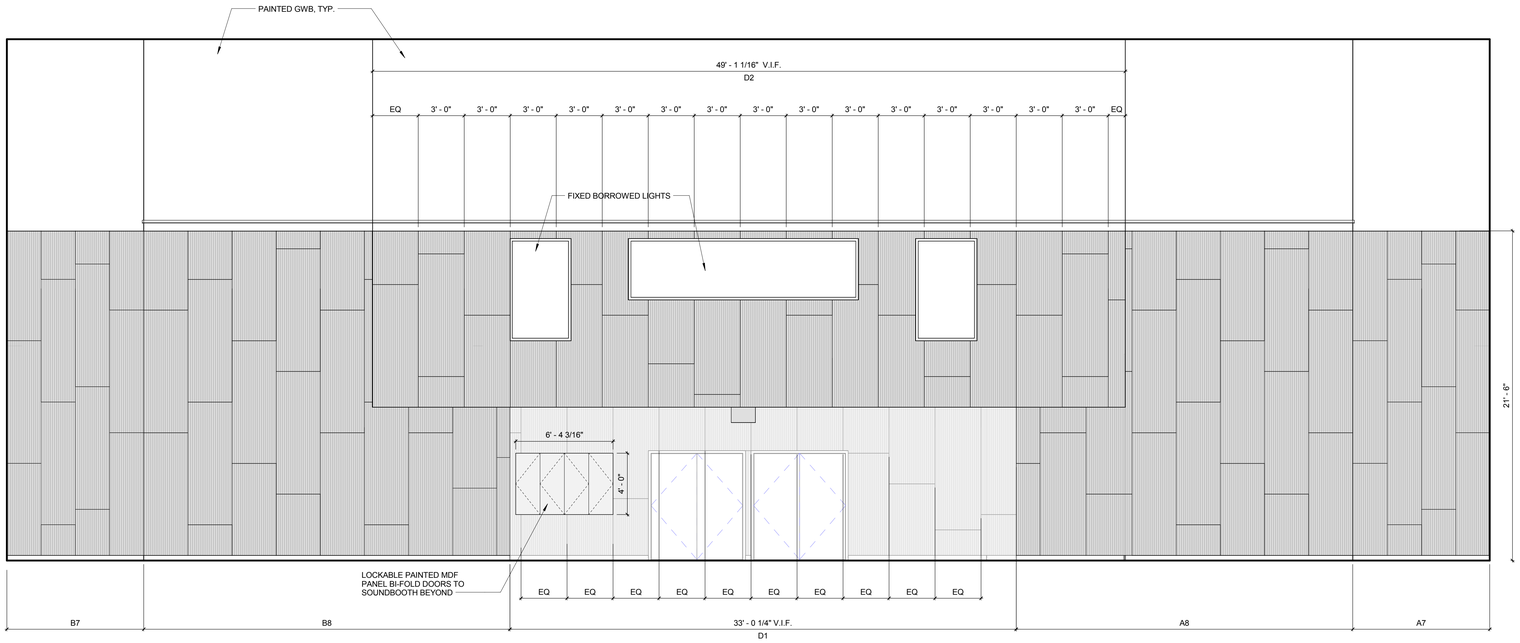
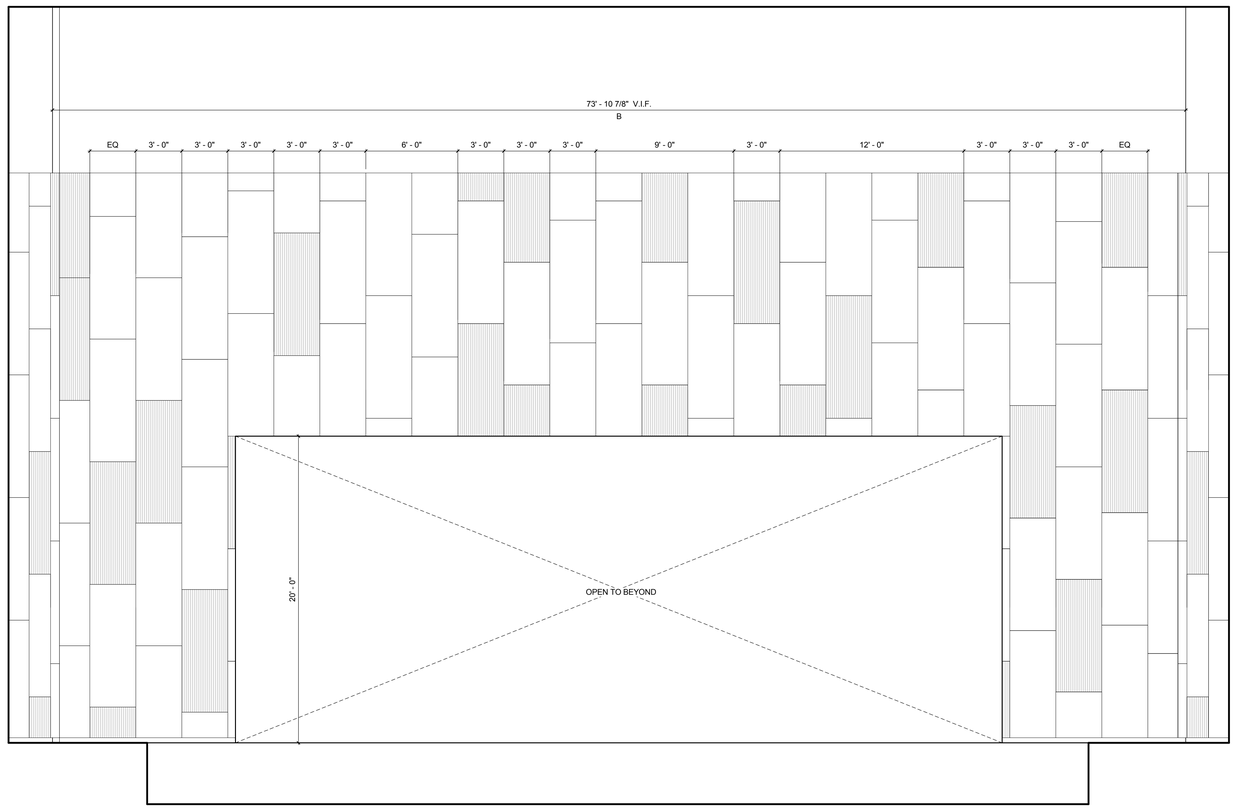


AUDITORIUM - D (2)
1/4" = 1'-0"



AUDITORIUM - B (1)
1/4" = 1'-0"

INTERIOR ELEVATIONS MATERIALS LEGEND

WOOD PANEL / TRIM	064020
FEATURE CERAMIC WALL TILE	093000
GLAZED CERAMIC WALL TILE	093000
ACOUSTIC ABSORPTION PANEL - AP-1	098400
WOOD ACOUSTIC ABSORPTION PANEL - VERTICAL WOOD SLATS	098400
WOOD ACOUSTIC DIFFUSION PANEL - VERTICAL WOOD SLATS	064020
WOOD ACOUSTIC REFLECTION PANEL	064020
HOMASOTE TACK SURFACE	064020
CMU - GROUND FACE	042000
CMU - ACOUSTICAL	042000
BRICK	042000

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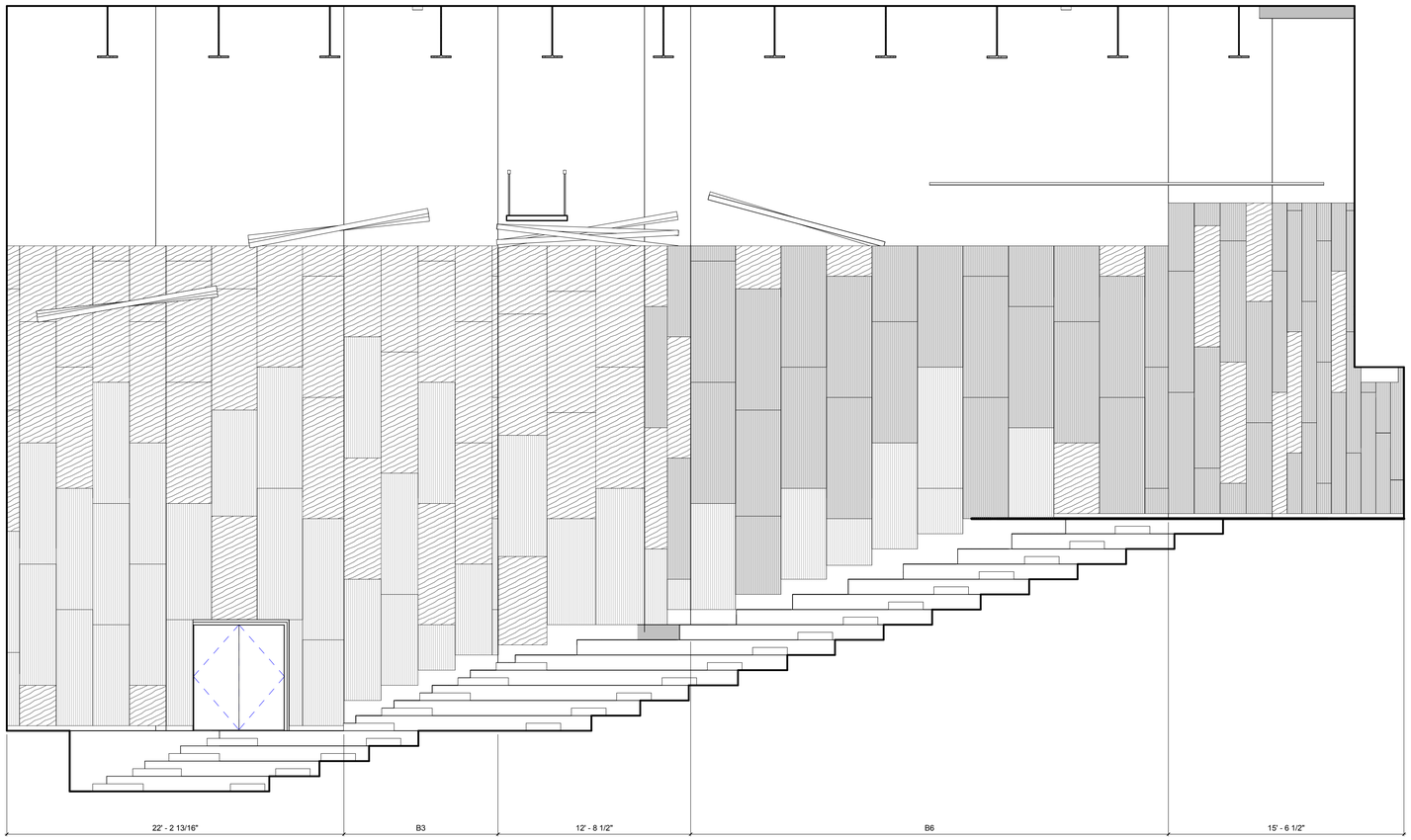

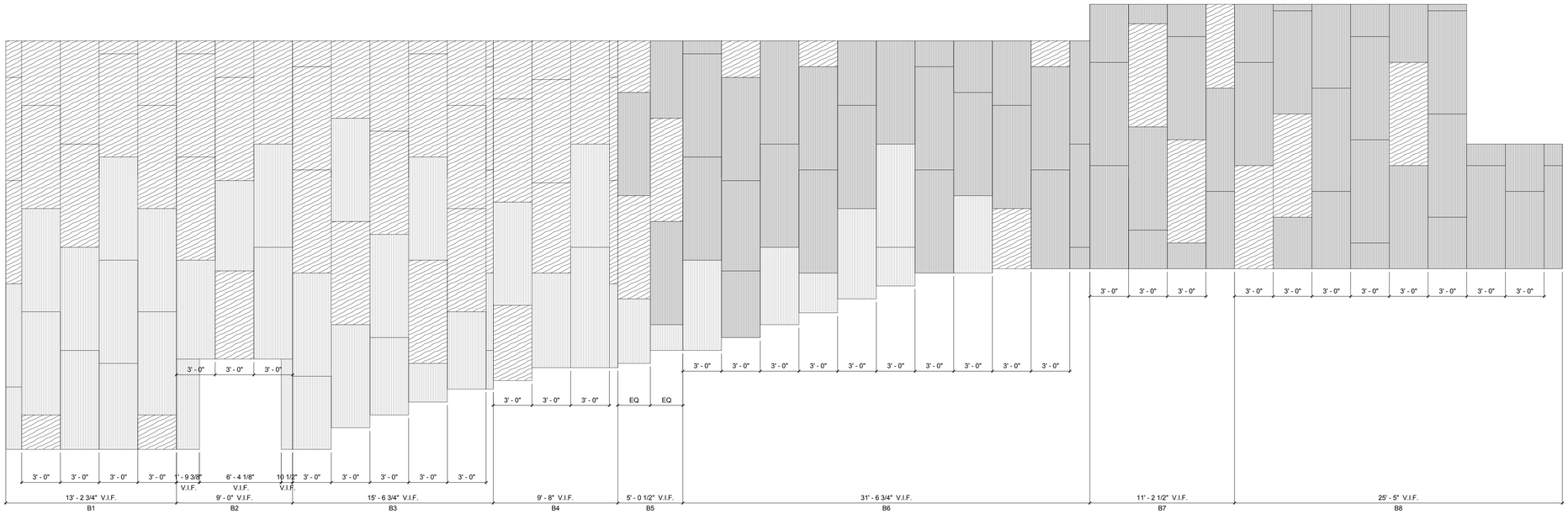

AUDITORIUM - C (1)
1/4" = 1'-0"

INTERIOR ELEVATIONS MATERIALS LEGEND

WOOD PANEL / TRIM	064020	
FEATURE CERAMIC WALL TILE	093000	
GLAZED CERAMIC WALL TILE	093000	
ACOUSTIC ABSORPTION PANEL - AP-1	098400	
WOOD ACOUSTIC ABSORPTION PANEL - VERTICAL WOOD SLATS	098400	
WOOD ACOUSTIC DIFFUSION PANEL - VERTICAL WOOD SLATS	064020	
WOOD ACOUSTIC REFLECTION PANEL	064020	
HOMASOTE TACK SURFACE	064020	
CMU - GROUND FACE	042000	
CMU - ACOUSTICAL	042000	
BRICK	042000	

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SCALE: 1/4" = 1'-0"
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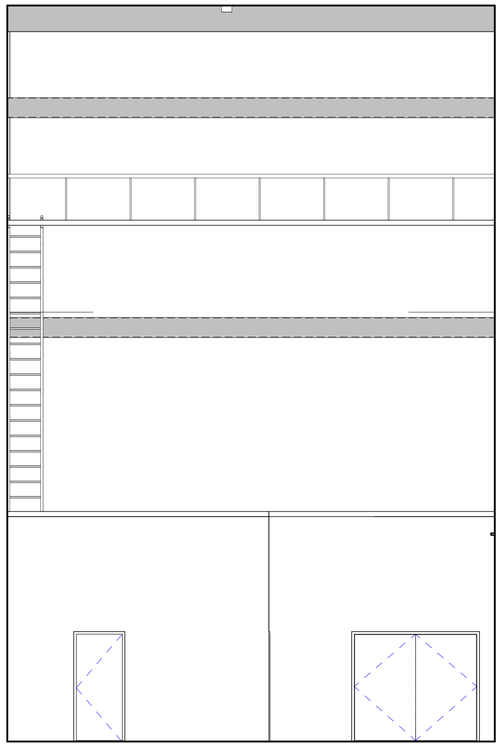
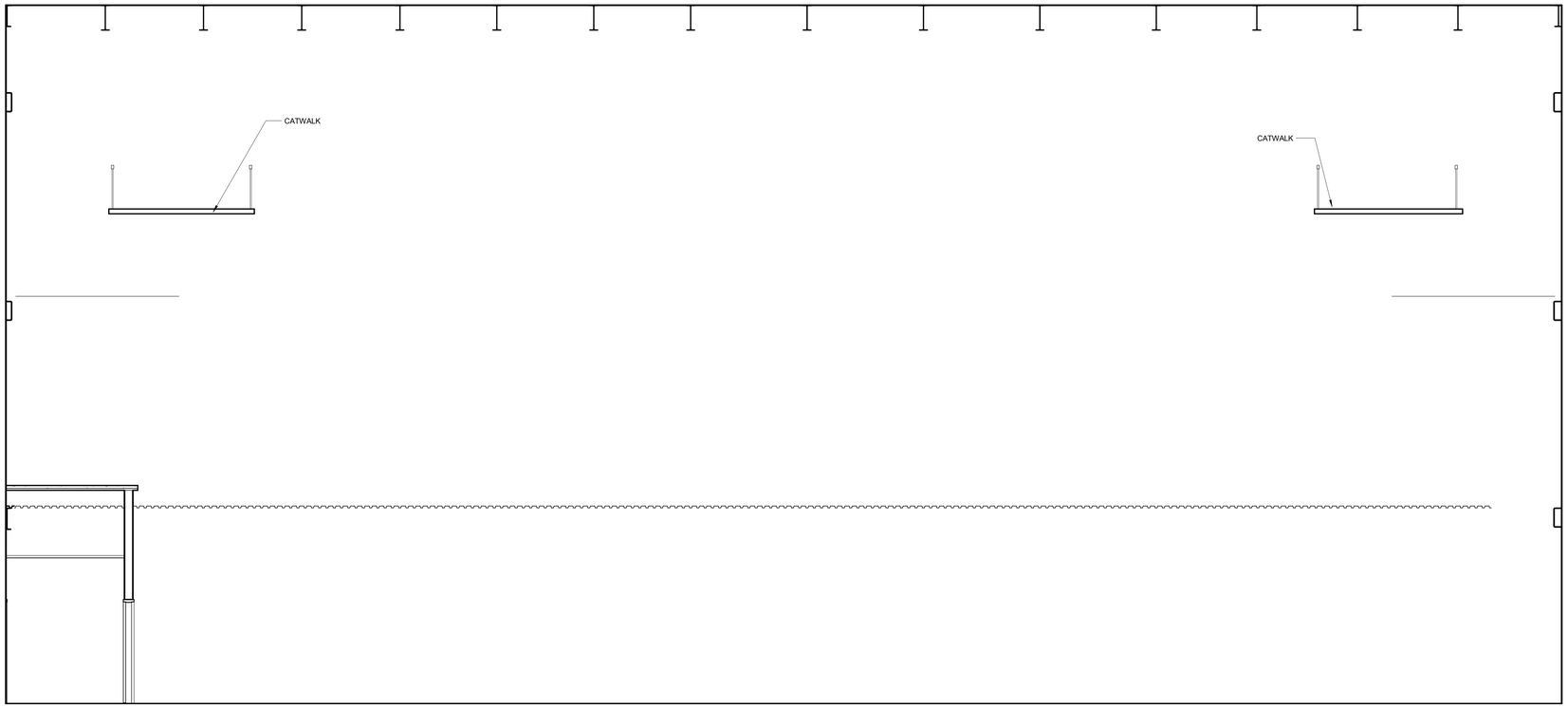
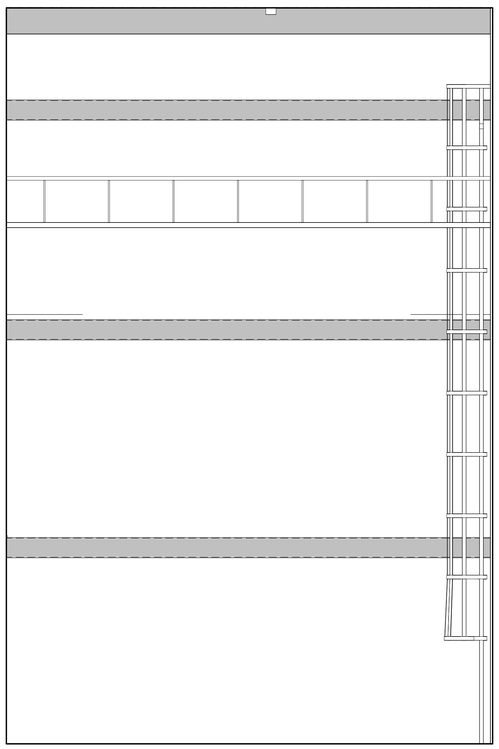


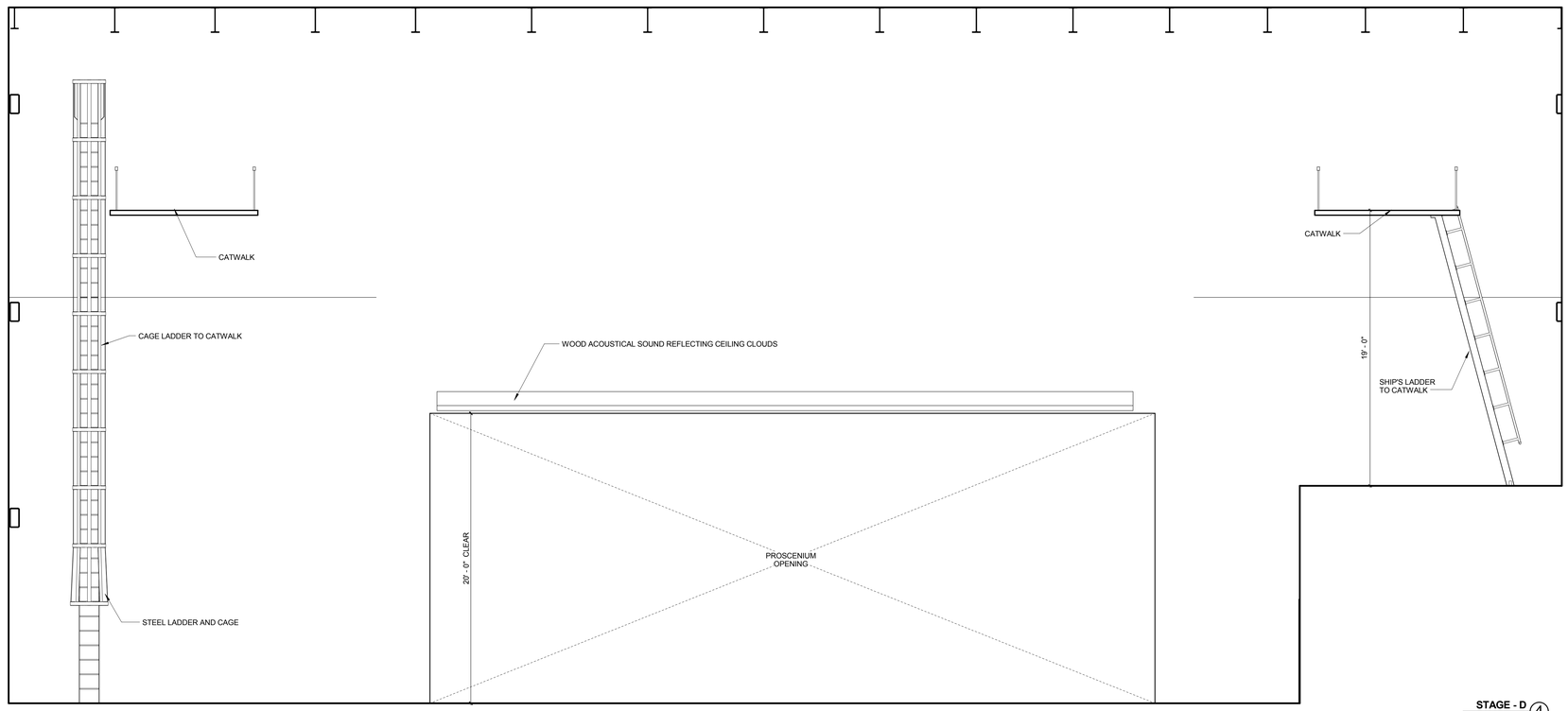
STAGE - A
1/4" = 1'-0" 1



STAGE - B
1/4" = 1'-0" 2



STAGE - C
1/4" = 1'-0" 3



STAGE - D
1/4" = 1'-0" 4

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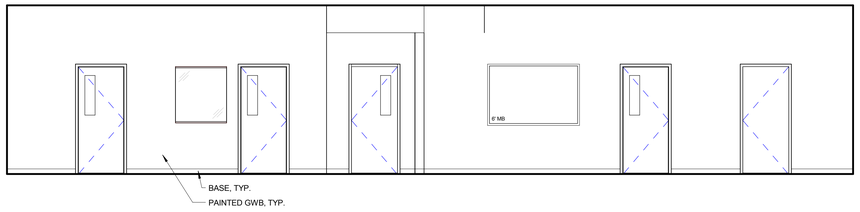
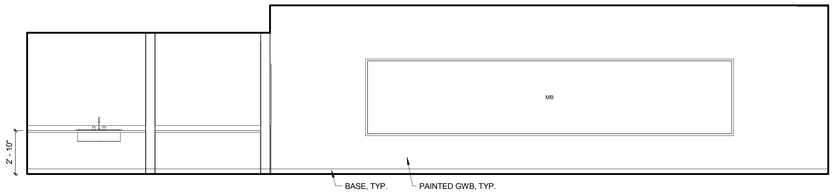
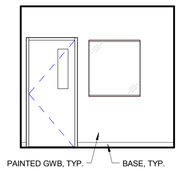


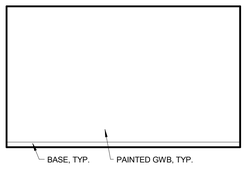
COMPUTER NETWORKING - A 2
1/4" = 1'-0"



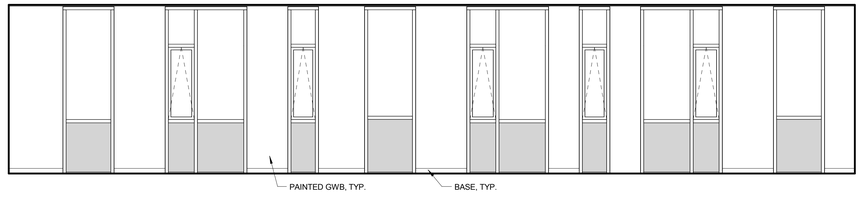
COMPUTER NETWORKING - B 1
1/4" = 1'-0"



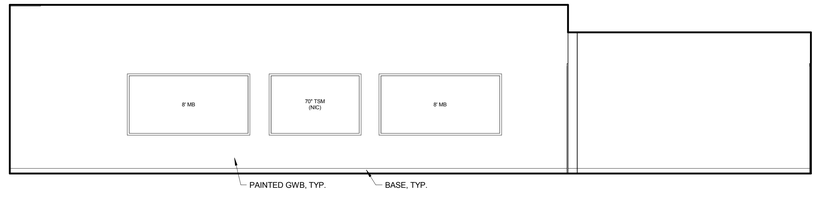
SERVER ROOM - C 6
1/4" = 1'-0"



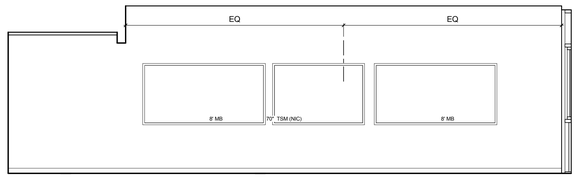
SERVER ROOM - D 5
1/4" = 1'-0"



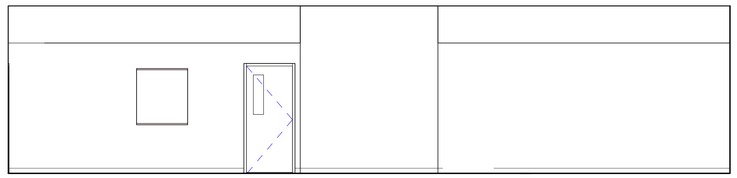
COMPUTER NETWORKING - C 4
1/4" = 1'-0"



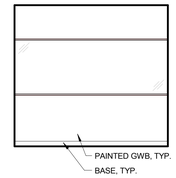
COMPUTER NETWORKING - D 3
1/4" = 1'-0"



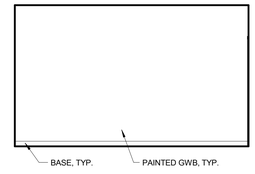
COMPUTER PROGRAMMING - B 10
1/4" = 1'-0"



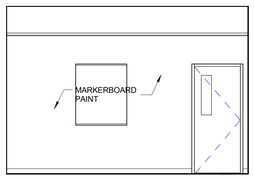
COMPUTER PROGRAMMING - A 9
1/4" = 1'-0"



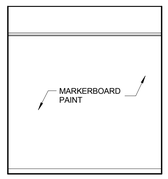
SERVER ROOM - A 8
1/4" = 1'-0"



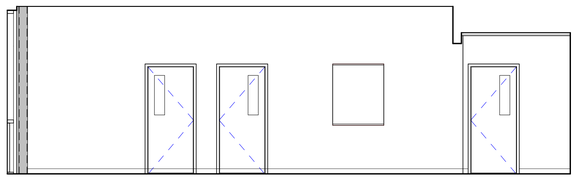
SERVER ROOM - B 7
1/4" = 1'-0"



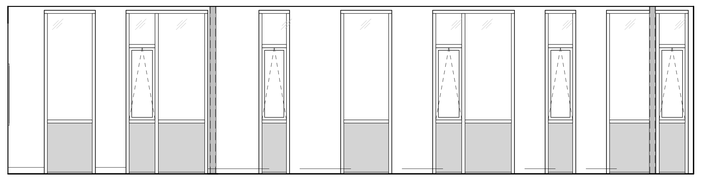
COLLABORATION ROOM - B 14
1/4" = 1'-0"



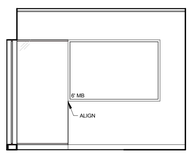
COLLABORATION ROOM - A 13
1/4" = 1'-0"



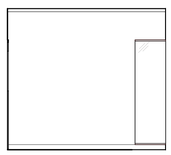
COMPUTER PROGRAMMING - D 12
1/4" = 1'-0"



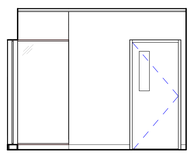
COMPUTER PROGRAMMING - C 11
1/4" = 1'-0"



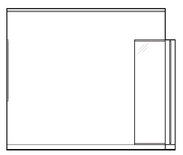
ANIMATION LAB - D 20
1/4" = 1'-0"



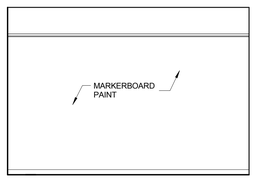
ANIMATION LAB - C 19
1/4" = 1'-0"



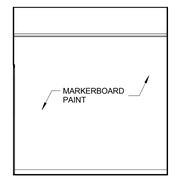
ANIMATION LAB - B 18
1/4" = 1'-0"



ANIMATION LAB - A 17
1/4" = 1'-0"



COLLABORATION ROOM - D 16
1/4" = 1'-0"



COLLABORATION ROOM - C 15
1/4" = 1'-0"

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Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Interior Elevations

SCALE: 1/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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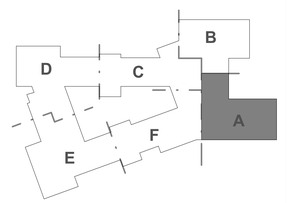
Conference 028 D1
Corridor C 0-2 A3
Gym Equip Sto 022 G2
K Off 021D D1
Elec 021E G1
Fac Office 023 D1
Kitchen Sto 021F G2
Fac Sto 017 G2
Fac Dir Office 023A D1
Kitchen 021 G3
Cust Wrkrm 020 G2
Receiving/Sto 016 G2
General Supply 016A G2
T 021C F2
Cust Brk.Rm. 019 D1
Dist Sto 015 G2
Water Ent 018 G1
Corridor C 0-1 A3
Audi Sto 003F G2
Light Lock 003E B3
Data 004 G1
T 005 F2
T 006 F2
Music Learning LC 0-1 A3
A/V 003B G1
Storage 007 G2
Band 014 C1
Prac 008 C1
Lower Auditorium 003 B3
Stage 003A B2
Prac 009 C1
Keyboarding 013 C1
Prac 010 C1
Music Off 011 D1
Music CR 012 C1
Audi Sto 003G G2
Audi Sto 003E G2

B15.9 B16.3 B16.4 B16.2 B17.4 B17 B17.6 B17.8 B18 B18.3 B18.5 B18.8 B18.4 B20 B20.3 B21 B21.4 B19.2 A11.2 A16 A15.3 BF.3 BF.4 BG BG.7 BG.9 BJ BJ.9 BK BL BL.1 BM BN BN.1 BN.9 BP

0.0 Lower Level - Edge of Slab - Part A (1)
1/8" = 1'-0"

KEYPLAN



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Dover, NH
Edge of Slab - Ground Level - Part A

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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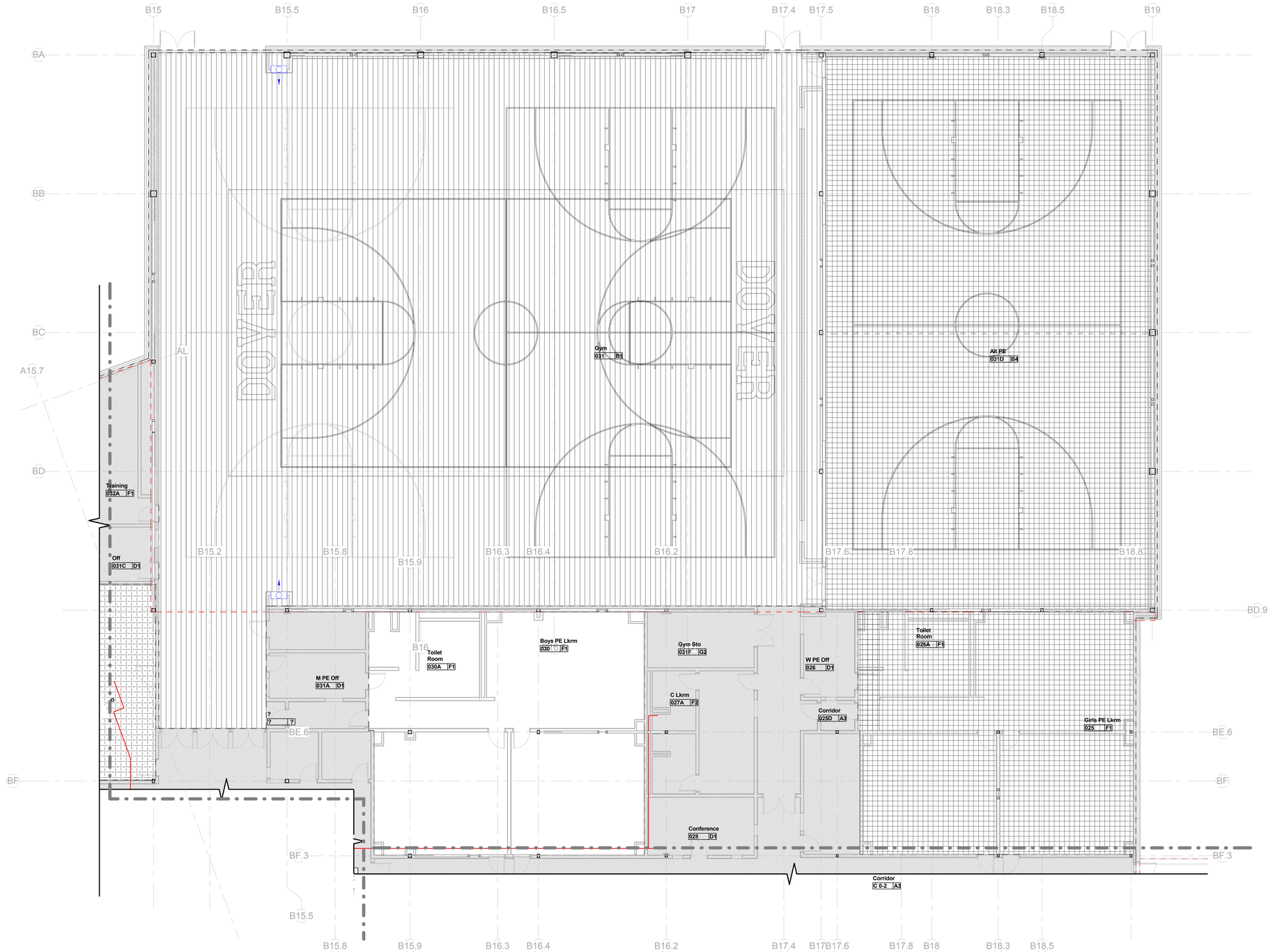

0.0 Lower Level - Edge of Slab - Part B (1)
1/8" = 1'-0"

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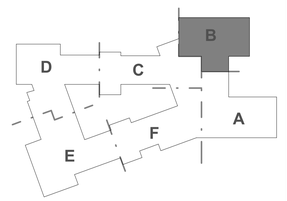

Dover HS / Career Technical Center
Dover, NH
Edge of Slab - Ground Level - Part B

SCALE: 1/8" = 1'-0"
DRAWN BY: NA
CHECKED BY: Checker

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A13.0B

JOB NUMBER 403114

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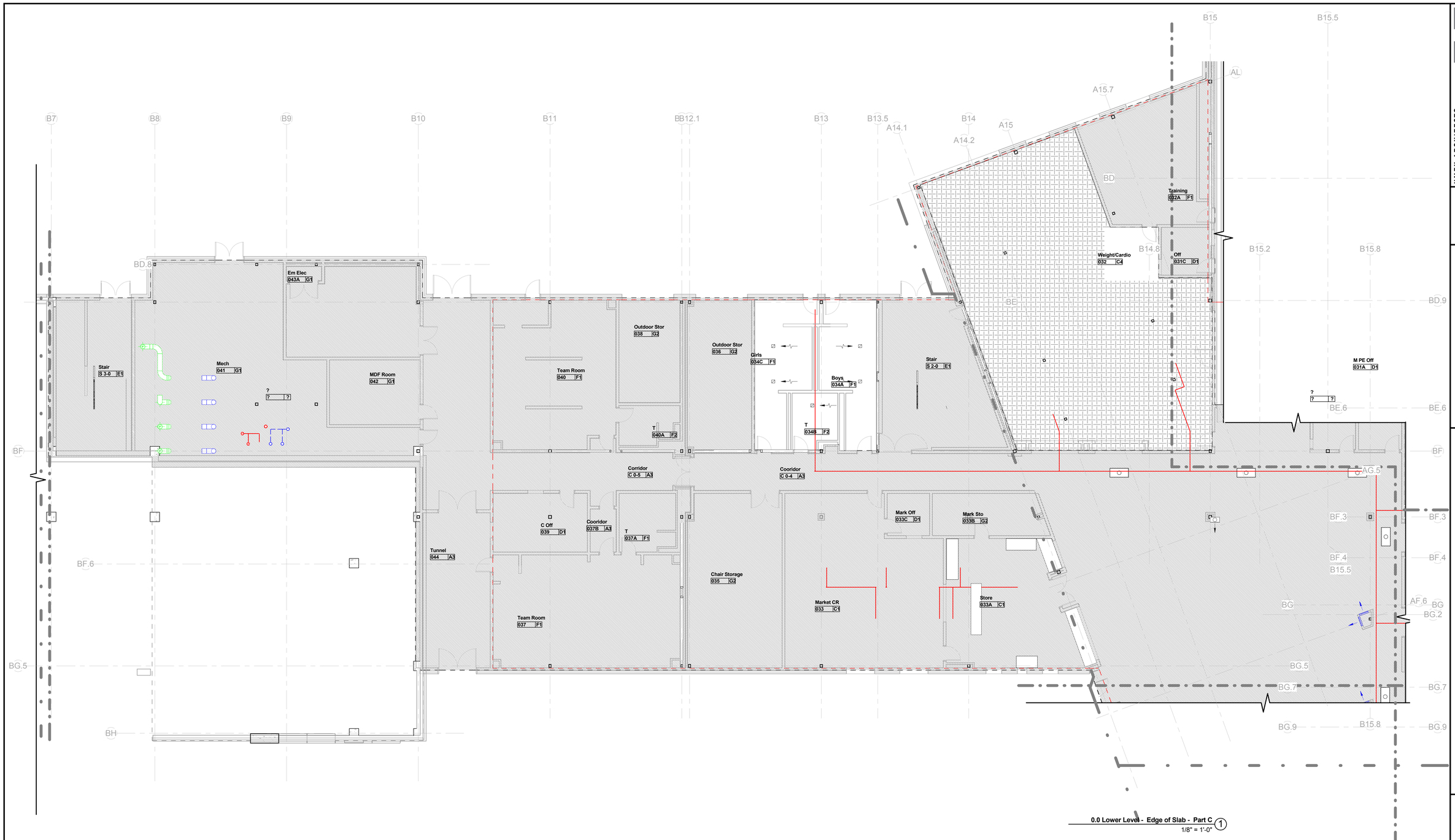
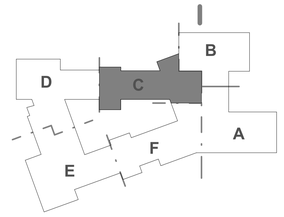


0.0 Lower Level - Edge of Slab - Part C (1)
1/8" = 1'-0"

KEYPLAN



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Edge of Slab - Ground Level - Part C

SCALE: 1/8" = 1'-0" DRAWN BY: MA CHECKED BY: Checker

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JOB NUMBER 403114

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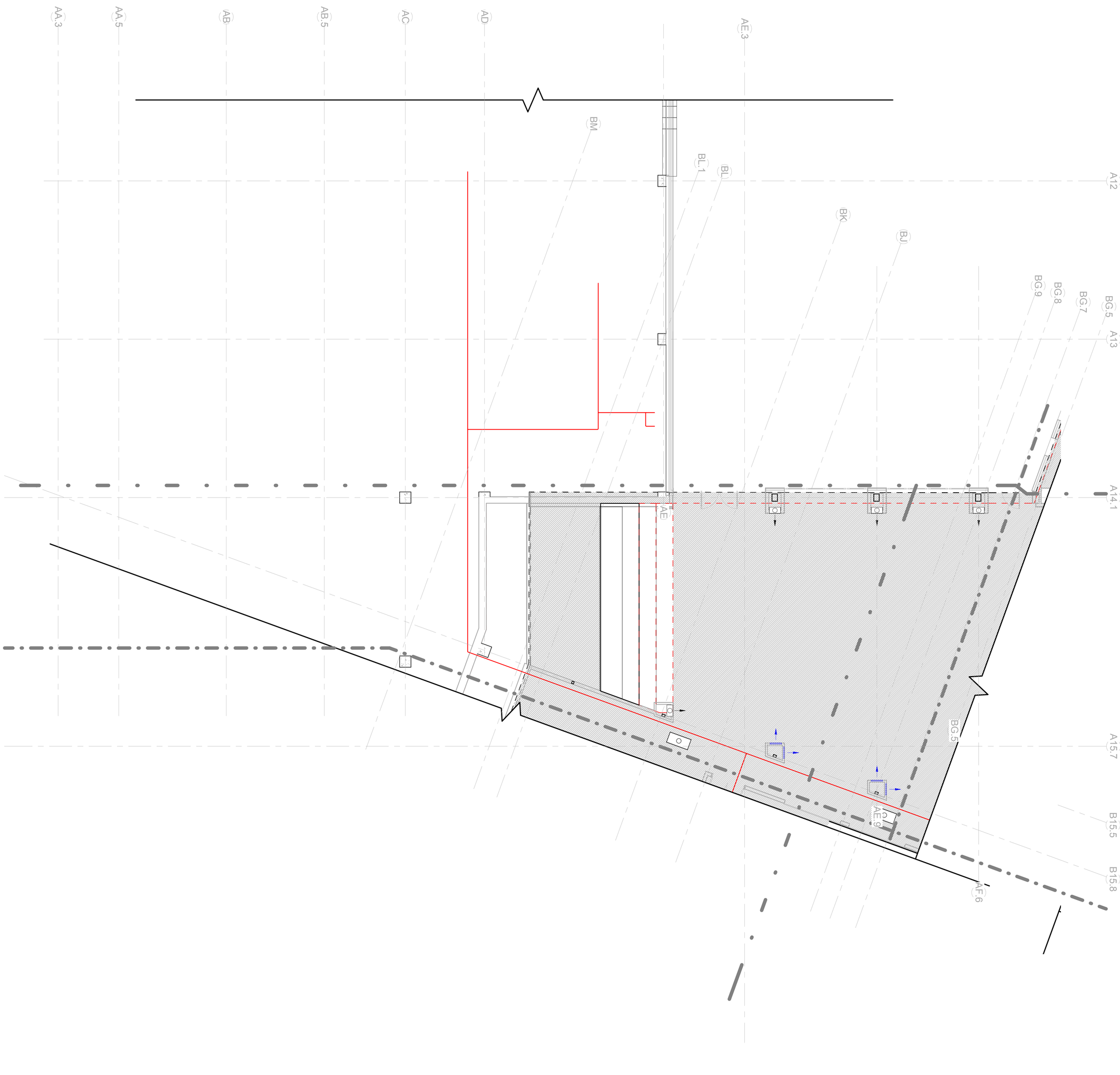
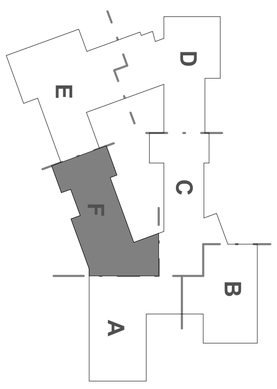


0.0 Lower Level - Edge of Slab - Part F

1/8" = 1'-0" (1)

KEYPLAN



JOB NUMBER 403114

DRAWING NUMBER A13.0F

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Dover, NH

Edge of Slab - Ground Level - Part F

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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B15.9 B16.3 B16.4 B16.2 B17.4 B17 B17.6 B17.8 B18 B18.3 B18.5 B18.8

BF.3 BF.4 BG A15.7 BG.7 BG.8 BG.9 BJ BK BL BL.1 BM BN BN.1 BN.9 BP

B20 B20.3 B21 B21.4 B18.4 B19.2 B18.8

ElHV 288B

LKRM 292 F1

A11.2

Auditorium 103 B3

Boys 104A F1

Qprridor C 1-1 A2

A16 A15.3 AA.3

Stage 003A B2

1.0 First Floor - Edge of Slab - Part A
1/8" = 1'-0"

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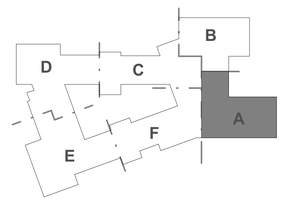
KEYPLAN



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Dover, NH
Edge of Slab - First Floor - Part A

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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JOB NUMBER 403114

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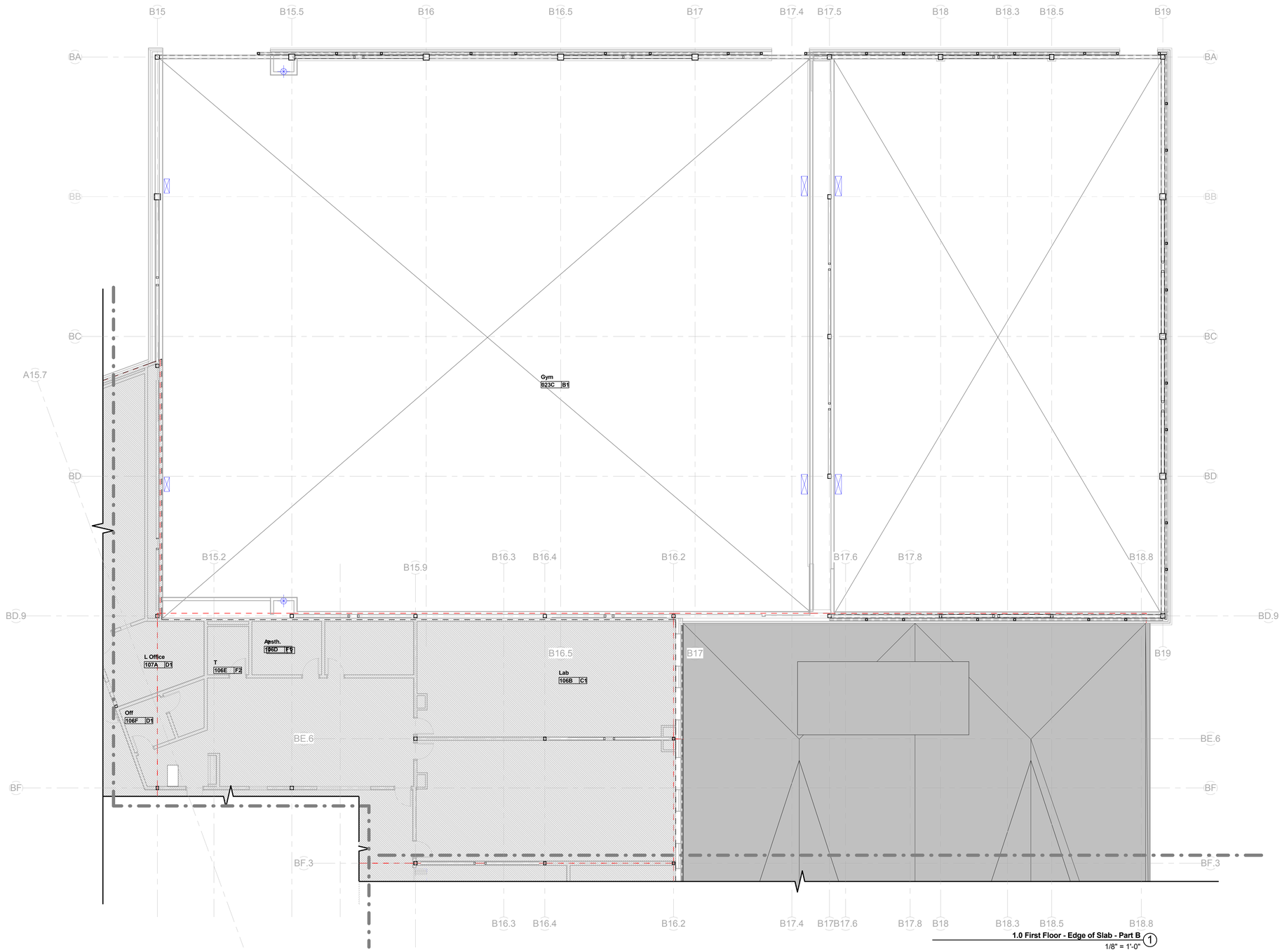

1.0 First Floor - Edge of Slab - Part B (1)
1/8" = 1'-0"

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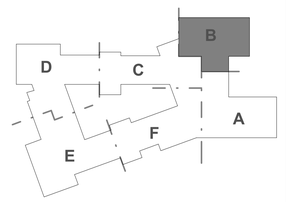

Dover HS / Career Technical Center
Dover, NH
Edge of Slab - First Floor - Part B

SCALE: 1/8" = 1'-0" DRAWN BY: MA CHECKED BY: Checker

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A13.1B

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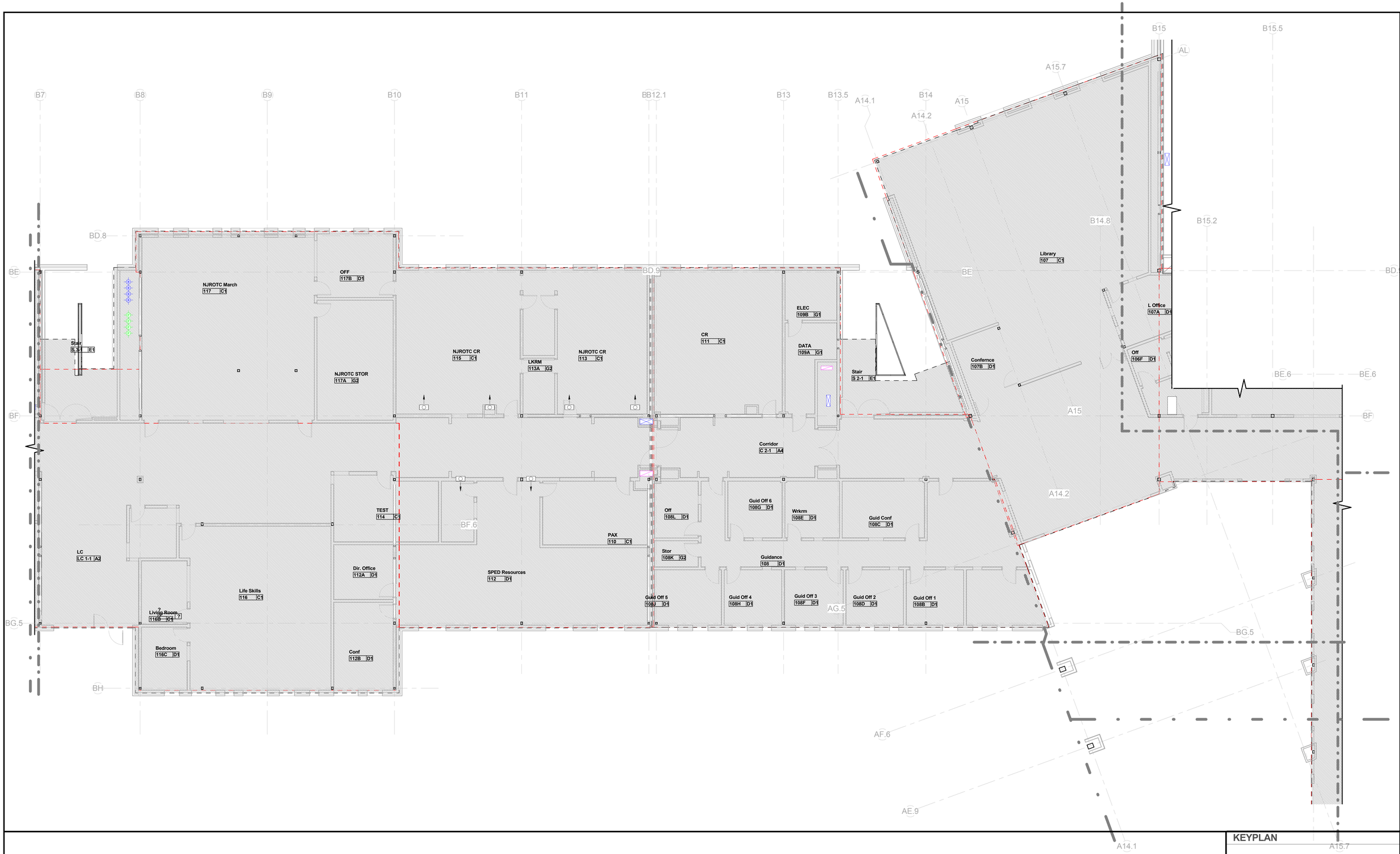
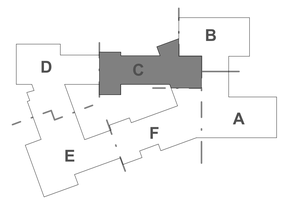


1.0 First Floor - Edge of Slab - Part C (1)
1/8" = 1'-0"

KEYPLAN



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Edge of Slab - First Floor - Part C

SCALE: 1/8" = 1'-0" | DRAWN BY: NA | CHECKED BY: Checker

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A13.1C

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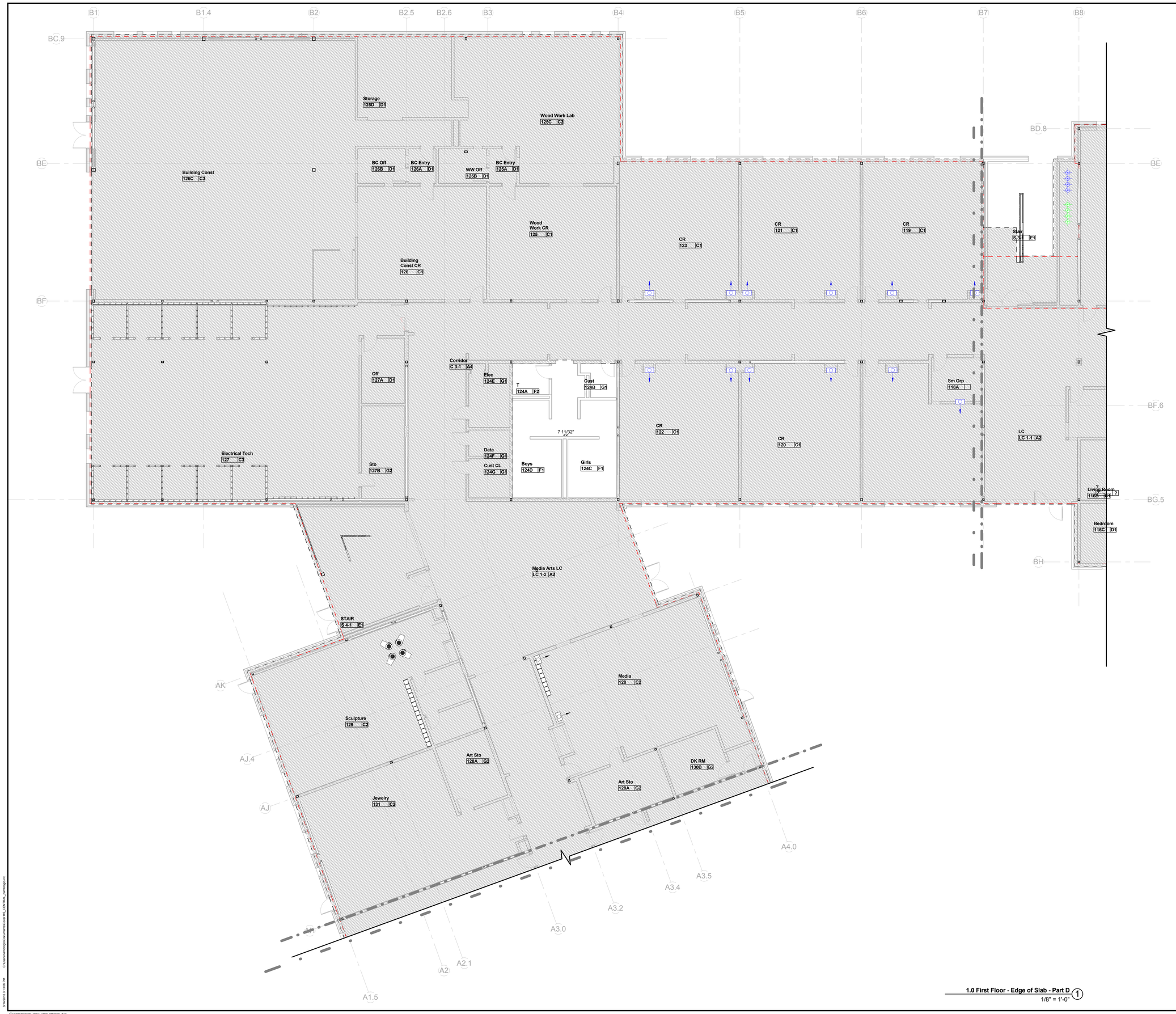

1.0 First Floor - Edge of Slab - Part D (1)
1/8" = 1'-0"

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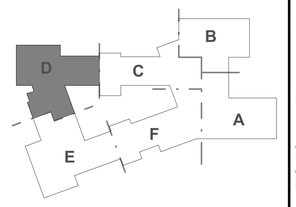
KEYPLAN



Dover HS / Career Technical Center
Dover, NH
Edge of Slab - First Floor - Part D

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

DRAWING NUMBER
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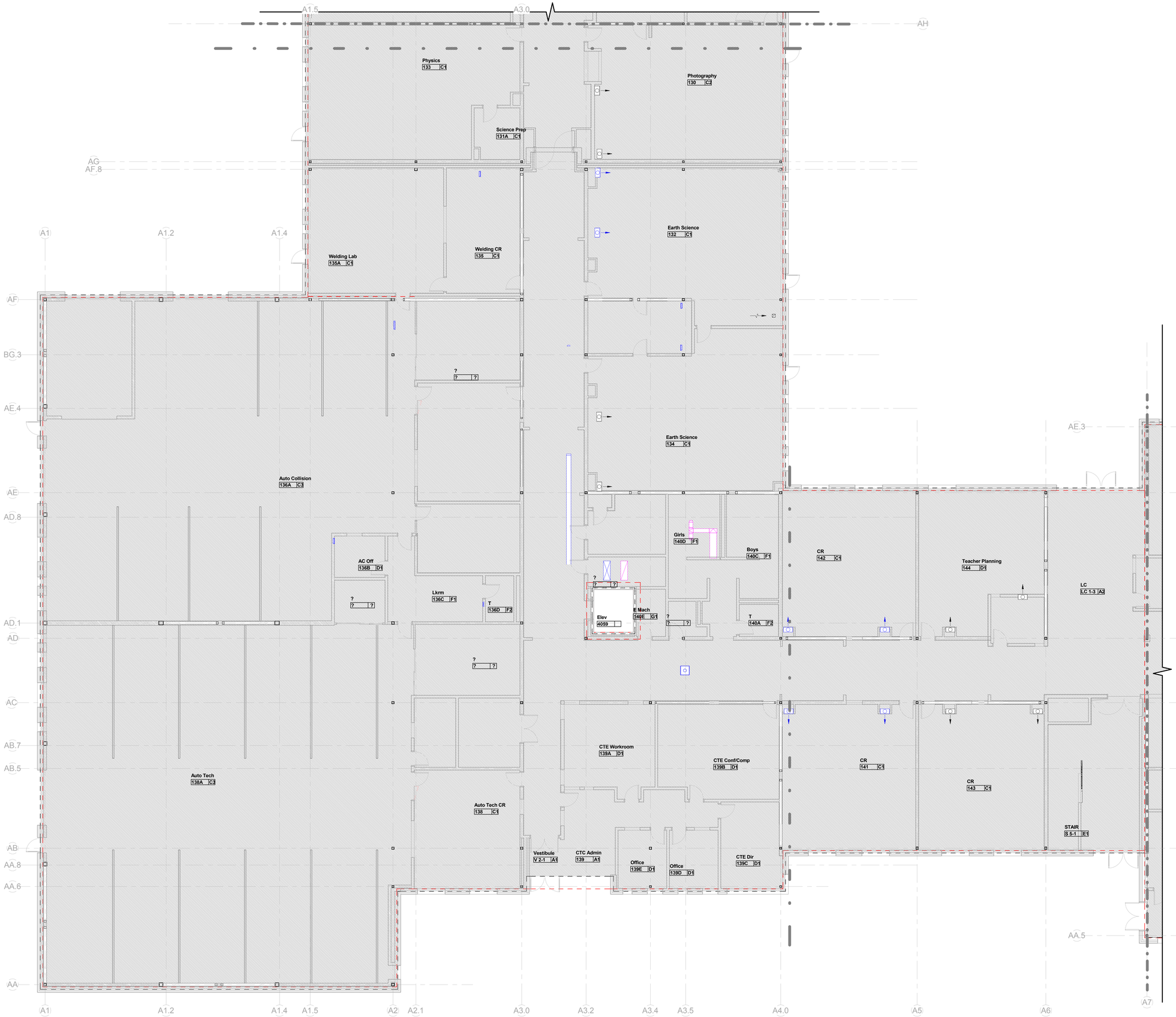

1.0 First Floor - Edge of Slab - Part E 1
1/8" = 1'-0"

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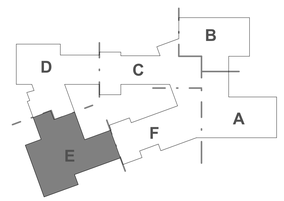

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Dover, NH
Edge of Slab - First Floor - Part E

SCALE: 1/8" = 1'-0" DRAWN BY: MA CHECKED BY: Checker

DRAWING NUMBER
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JOB NUMBER 403114

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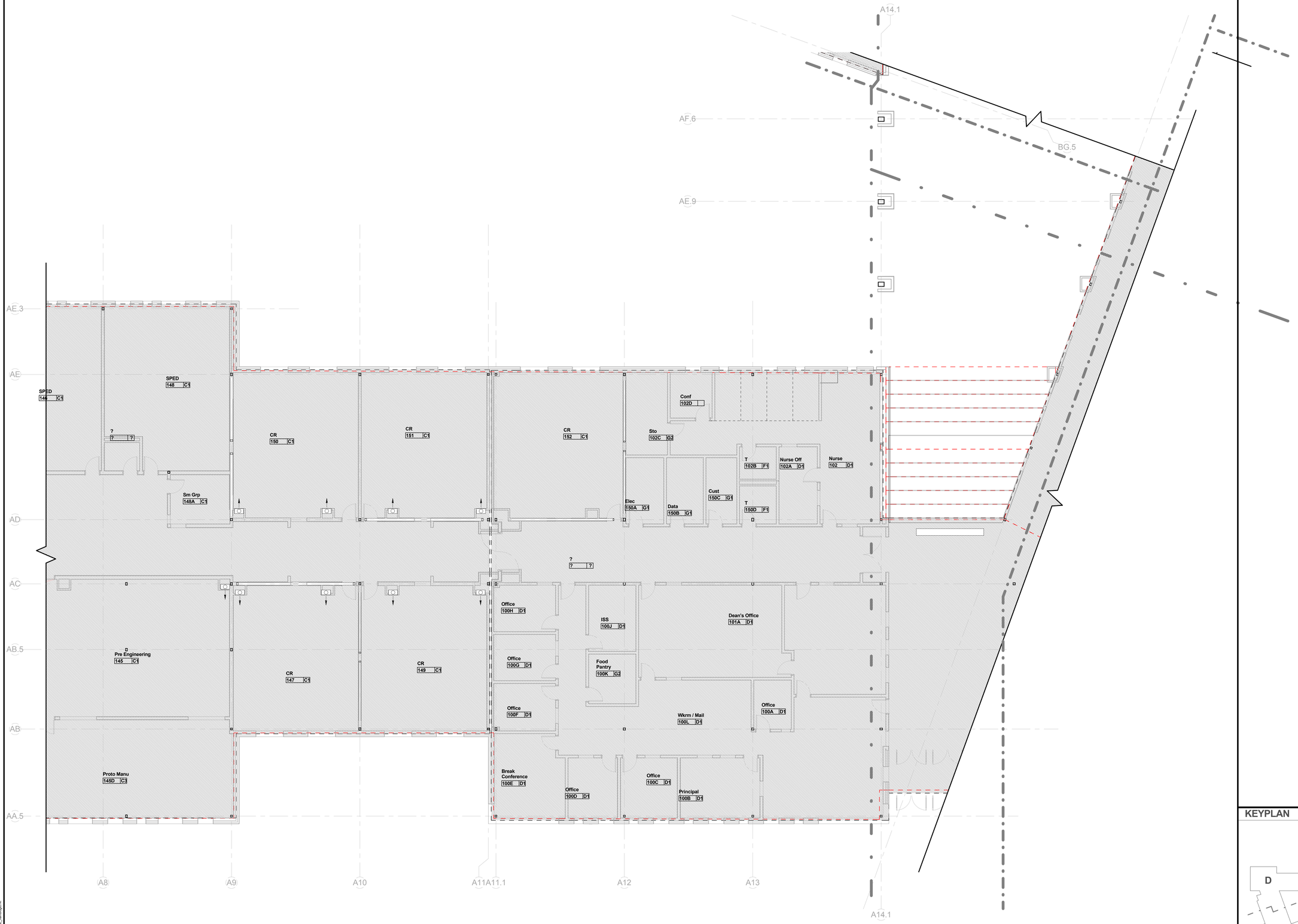

1.0 First Floor - Edge of Slab - Part F (1)
1/8" = 1'-0"

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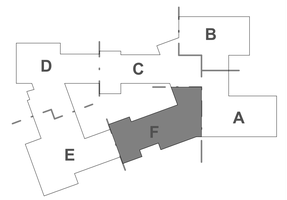

Dover HS / Career Technical Center
Dover, NH
Edge of Slab - First Floor - Part F

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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B16.3 B16.4 B16.2 B17.4 B17 B17.6 B17.8 B18 B18.3 B18.4 B18.5 B18.8 B19.2

Health Sci. Lab
207 C1

BF.3
BF.4
BG
BG.2
A15.7
BG.7
BG.8
BG.9

EMT CR
206B C1

Sports Med CR
206A C1

Stor
206D G2

B20 B20.3 B21 B21.4

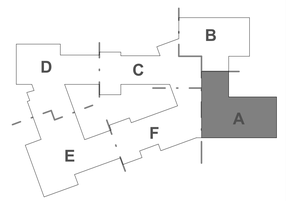
BJ
BJ.9
BK
BL
BL.1
BM
BN
BN.1
BN.9
BP

A11.2
A16
A15.3
AA.3

Fly Space
4622

2.0 Second Floor - Edge of Slab - Part A (1)
1/8" = 1'-0"

KEYPLAN



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Dover HS / Career Technical Center
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Edge of Slab - Second Floor - Part A

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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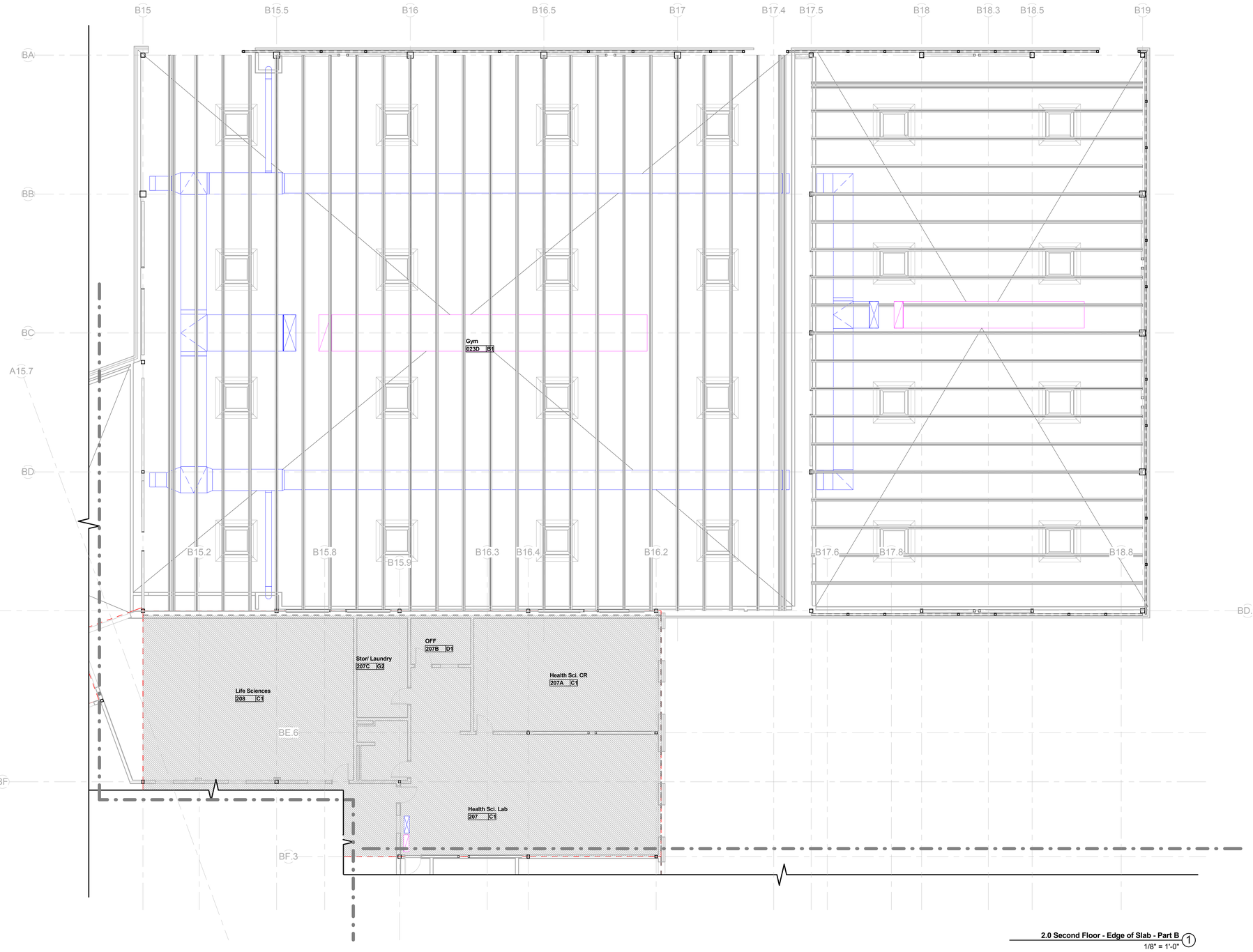
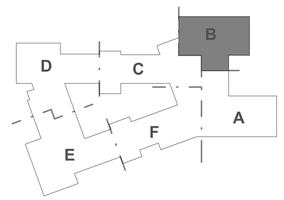


2.0 Second Floor - Edge of Slab - Part B (1)
1/8" = 1'-0"

KEYPLAN



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Dover HS / Career Technical Center
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SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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B7 B8 B9 B10 B11 BB12.1 B13 B13.5 B14 B15 B15.2 B15.5 AL

A14.1 A14.2 A15 A15.7 BD B14.8 B15.8 BD.8 BE BD.9 BE.6 BF AG.5 BF.3 BF.4 BF.6 AF.6 BG BG.2 BG.5 BG.7 BG.9 BH

Business
221 C1

Off/Break
221A D1

Business
219 C1

Stair
S 3-2 E1

Conf
219A D1

CR
217 C1

CR
215 C1

CR
213 C1

Sto
211 G2

Stair
S 2-2 E1

Stor/ Laundry
207C G2

Life Sciences
208 C1

Corridor
C 2-3 A4

Sm Grp
220A C1

Animation Lab
222A C1

?
? ?

Computer Prog.
222 C1

CR
218 C1

CR
216 C1

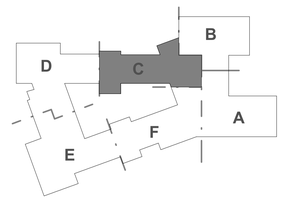
CR
214 C1

CR
212 C1

Teacher Planning
210 D1

2.0 Second Floor - Edge of Slab - Part C (1)
1/8" = 1'-0"

KEYPLAN



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Dover HS / Career Technical Center
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Edge of Slab - Second Floor - Part C

SCALE: 1/8" = 1'-0" DRAWN BY: MA CHECKED BY: Checker

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B1 B1.4 B2 B2.5 B2.6 B3 B4 B5 B6 B7 B8

BC.9 BD.8 BE BF BF.6 BG.5 BH AK AJ AJ.4 AH

Physical Science
232 C1

Science Prep
231A C1

Physical Science
231 C1

Building Const
023E

CR
227 C1

CR
225 C1

CR
223 C1

Stair
S 3-2 E1

Teacher Planning
229 D1

LC
LC 2-3 A4

Prep
234C G2

Sm Grp
233 A4

Elec
230E G1

T
230B F2

C
230A G1

Clean Room
234B C1

Bio MED
234 C1

Clean Room
234A C1

Cust
230F G1

Girls
230C F1

CR
228 C1

CR
226 C1

CR
224 C1

Animation Lab
222A C1

Boys
230D F1

Chem Sto
234D C1

A3.0

Stair
S 4-2 E1

A4.0 A3.5 A3.4 A2 A2.1 A1.5 A3.2 A3.0

Biology
235 C1

Science Prep
235A C1

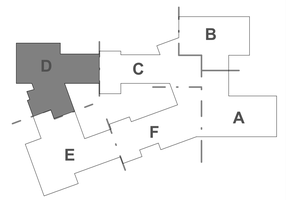
Chemistry
236 C1

Science Prep
236A C1

Biology
237 C1

2.0 Second Floor - Edge of Slab - Part D (1)
1/8" = 1'-0"

KEYPLAN



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Dover HS / Career Technical Center
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Edge of Slab - Second Floor - Part D

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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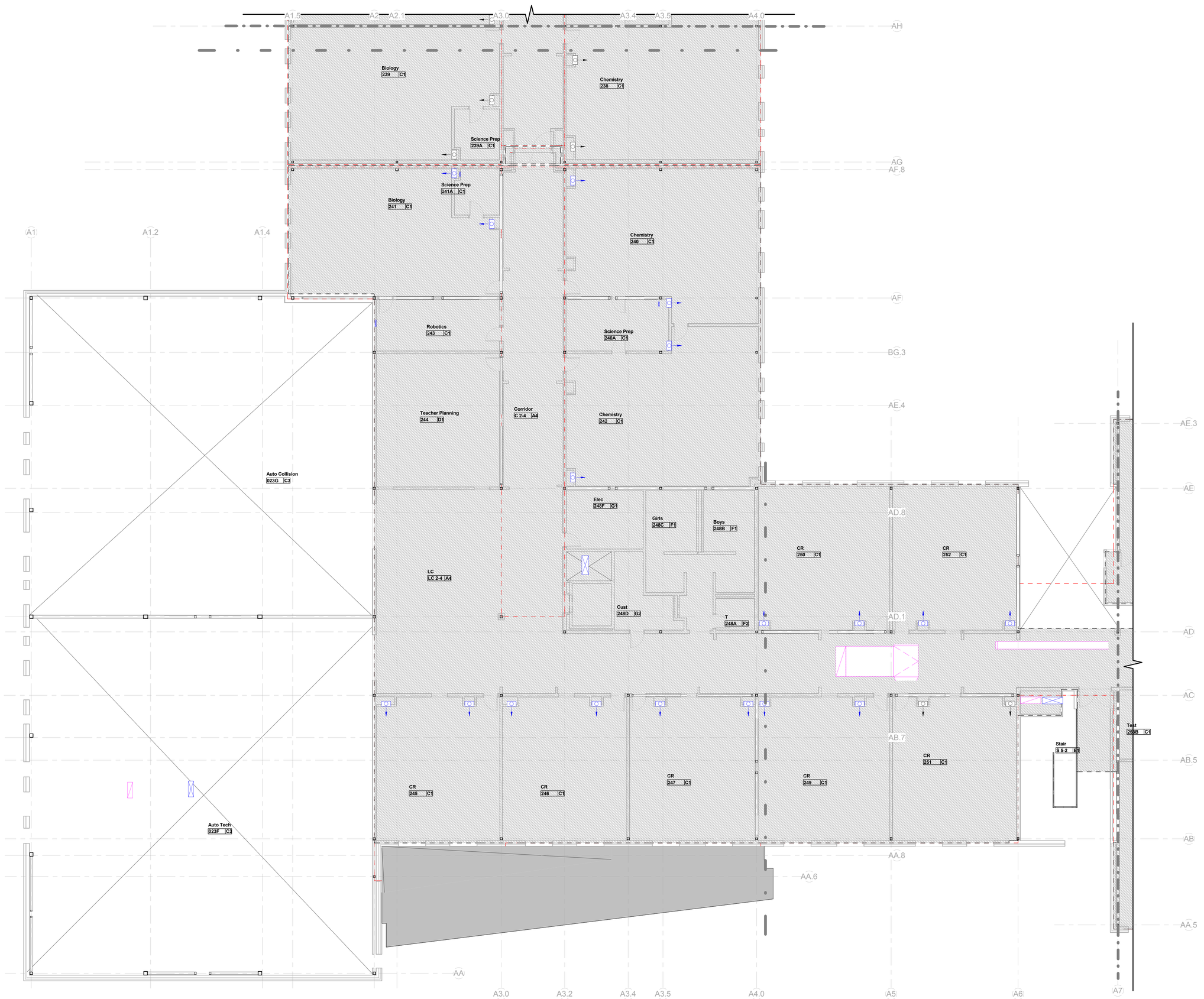

2.0 Second Floor - Edge of Slab - Part E (1)
1/8" = 1'-0"

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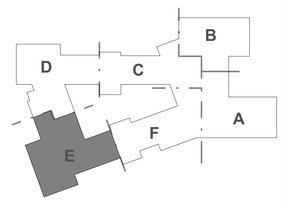

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Dover, NH
Edge of Slab - Second Floor - Part E

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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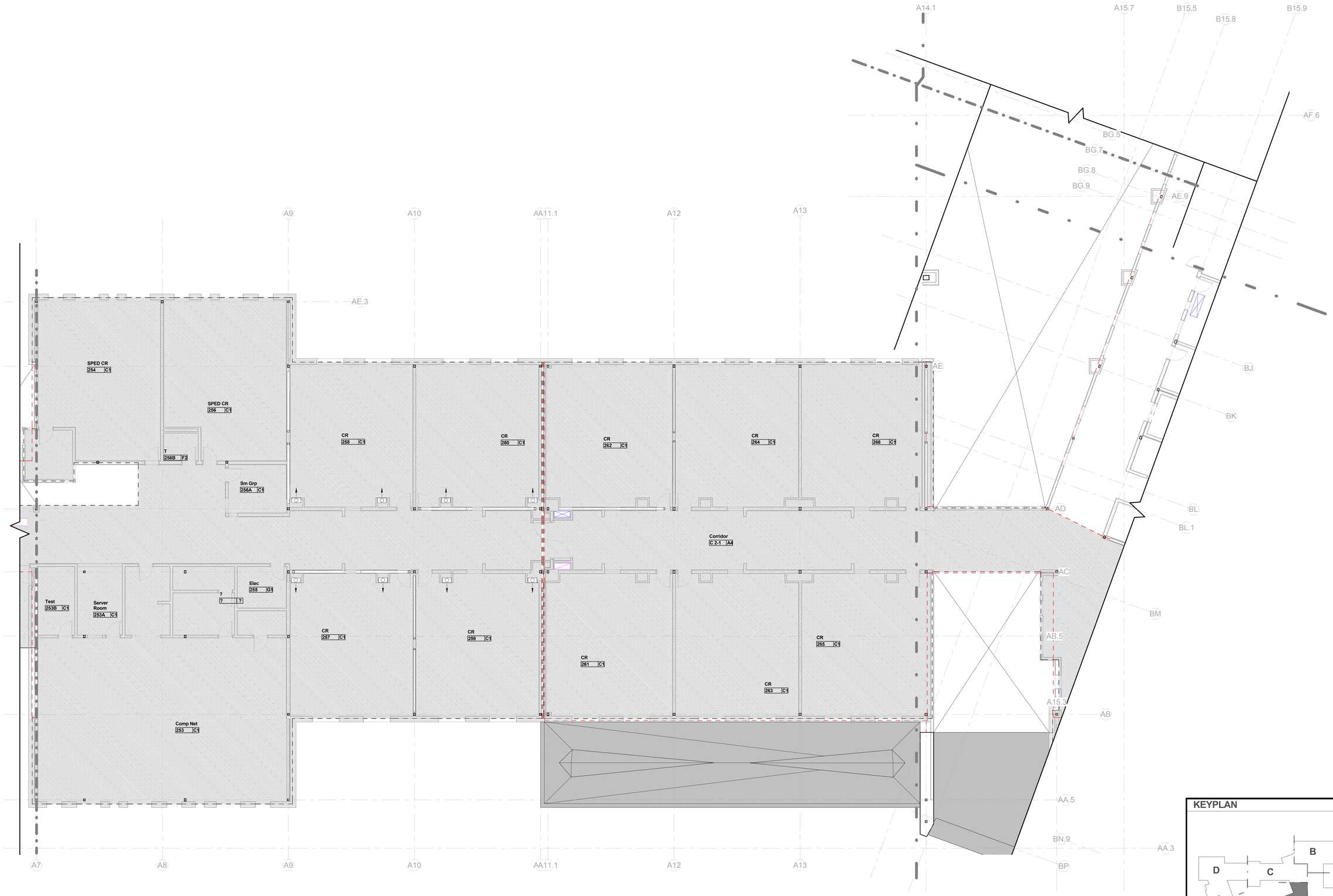
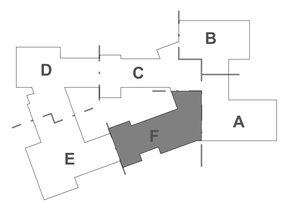


2.0 Second Floor - Edge of Slab - Part F (1)
1/8" = 1'-0"

KEYPLAN



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Edge of Slab - Second Floor - Part F

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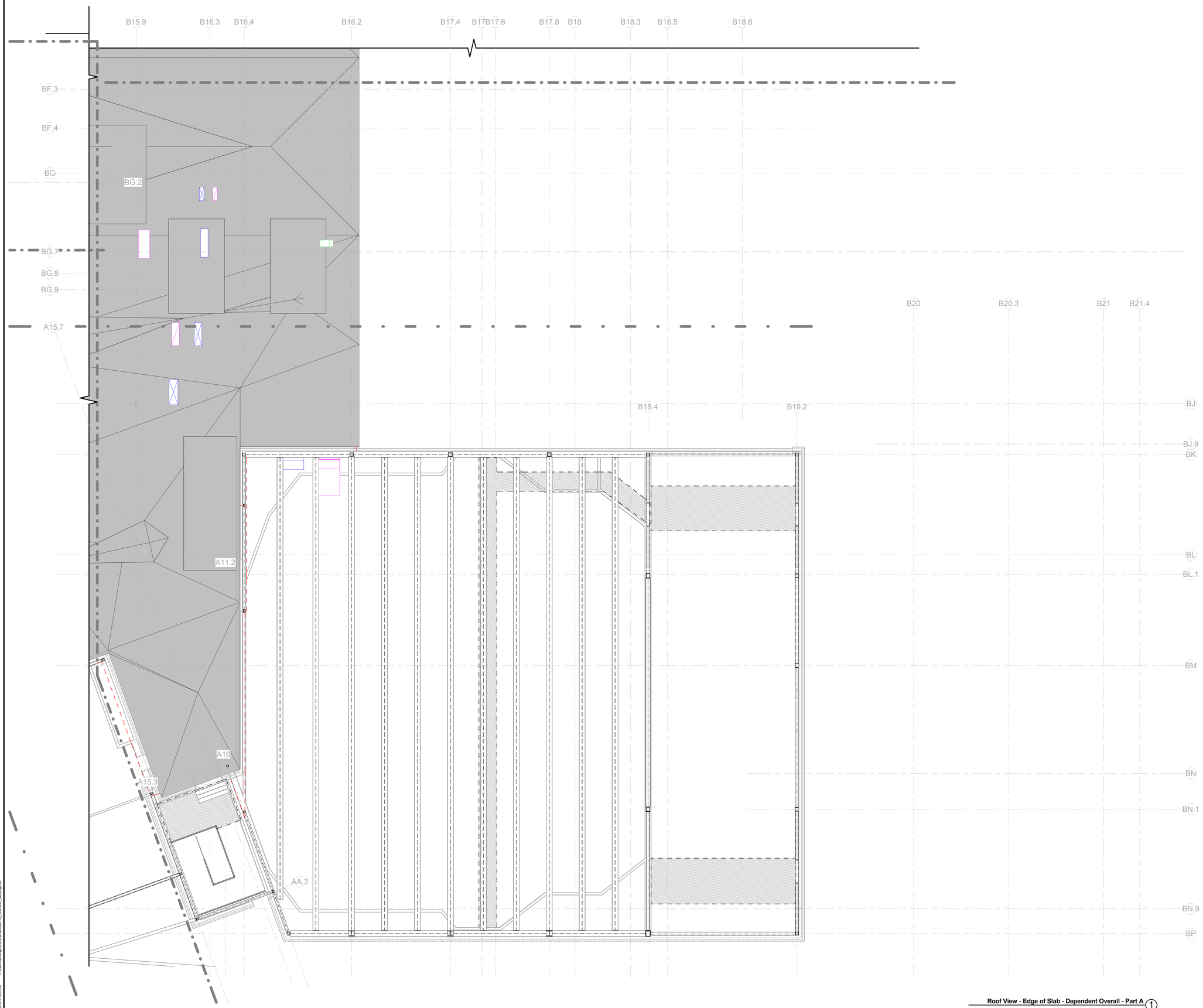

Roof View - Edge of Slab - Dependent Overall - Part A (1)
1/8" = 1'-0"

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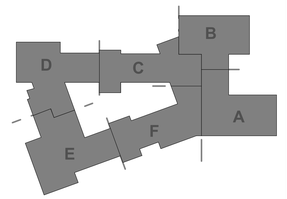

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Dover, NH
Edge of Slab - Roof Plan - Part A

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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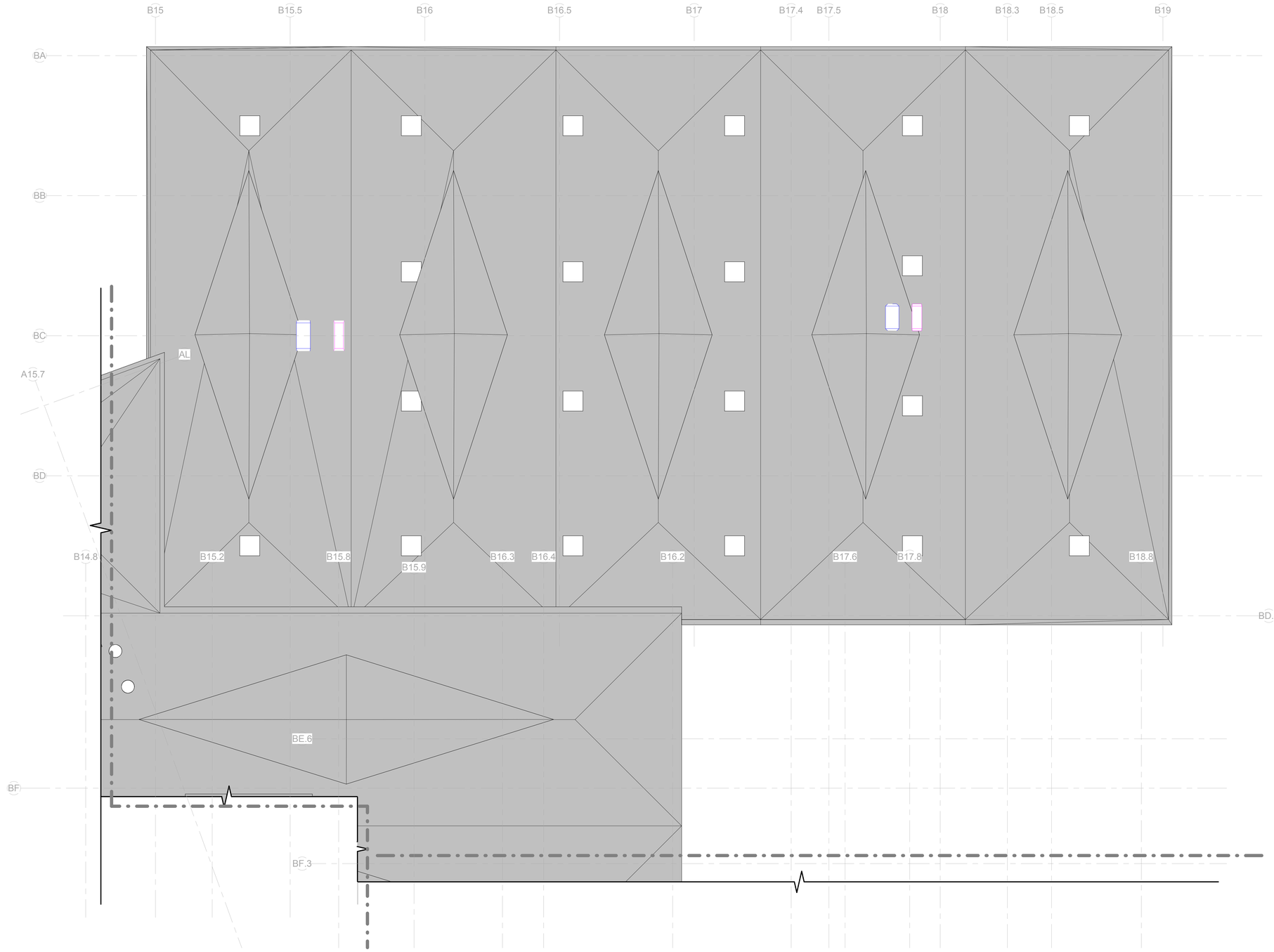

Roof View - Edge of Slab - Dependent Overall - Part B (1)
1/8" = 1'-0"

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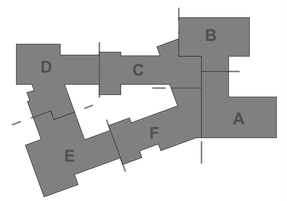

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Edge of Slab - Roof Plan - Part B

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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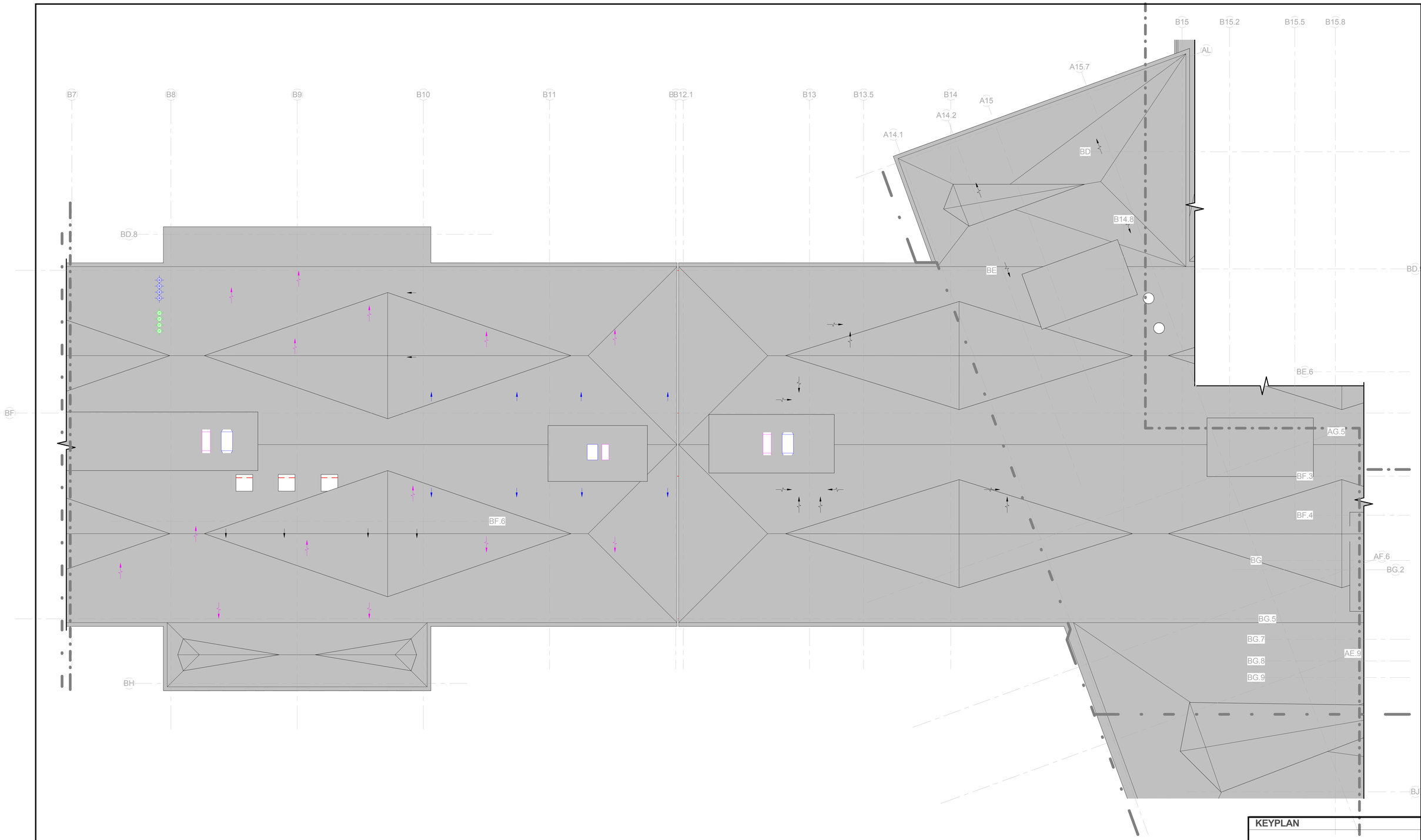
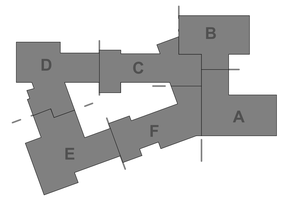


Roof View - Edge of Slab - Dependent Overall - Part C (1)
1/8" = 1'-0"

KEYPLAN



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Edge of Slab - Roof Plan - Part C

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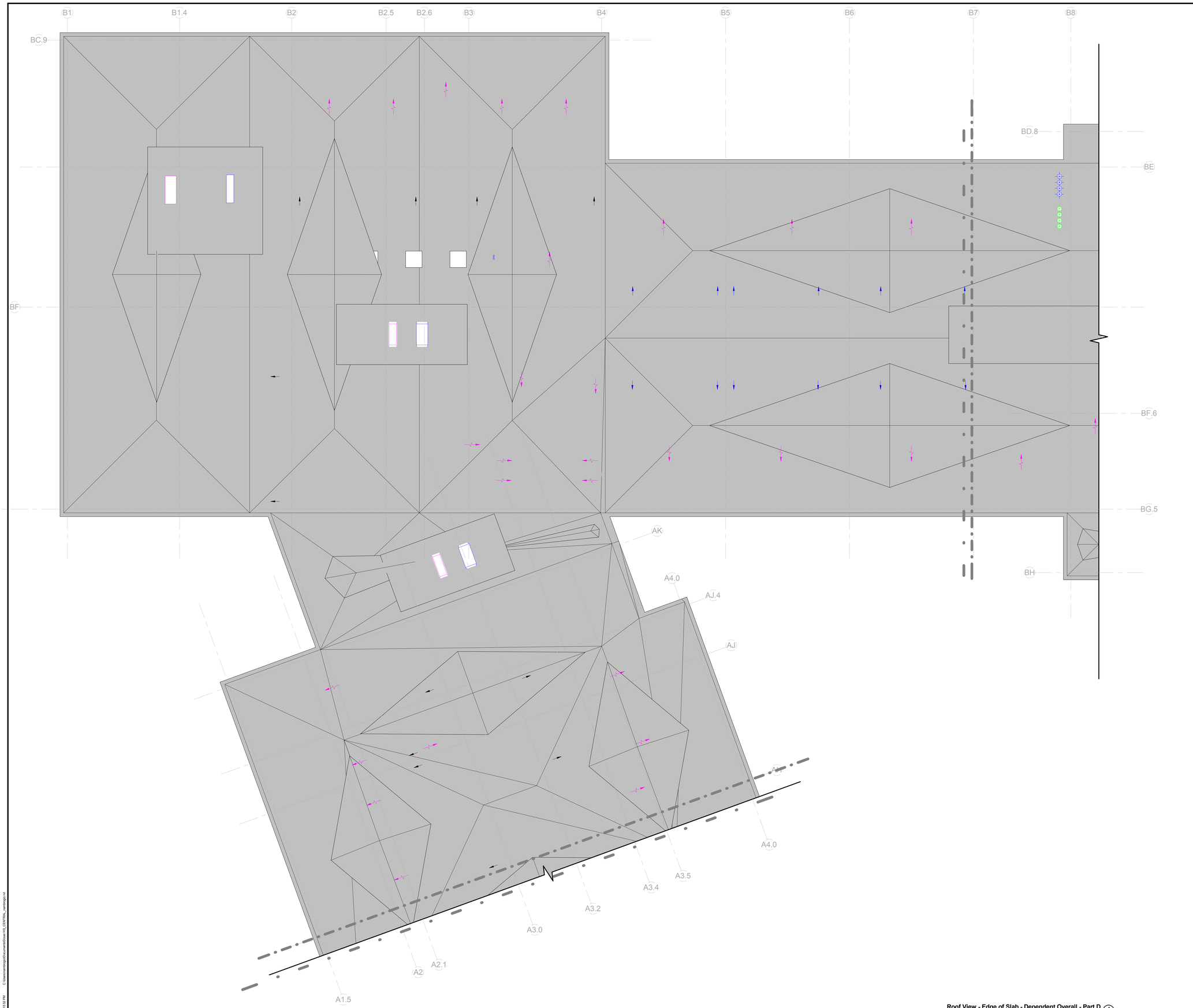

Roof View - Edge of Slab - Dependent Overall - Part D (1)
1/8" = 1'-0"

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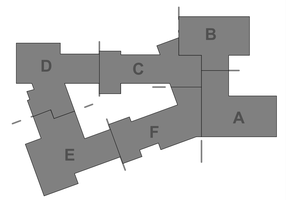

Dover HS / Career Technical Center
Dover, NH
Edge of Slab - Roof Plan - Part D

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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A13.4D

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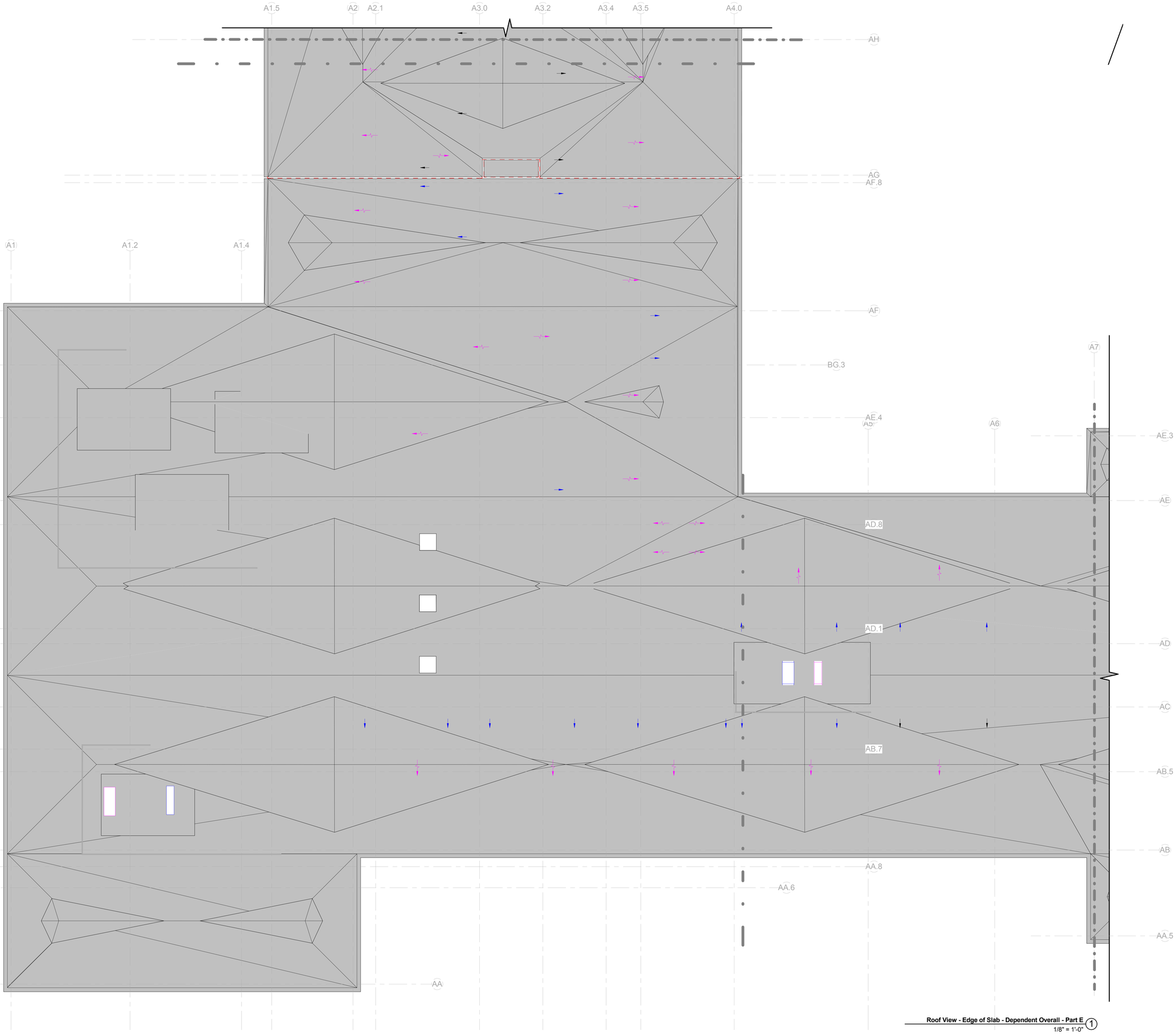

Roof View - Edge of Slab - Dependent Overall - Part E (1)
1/8" = 1'-0"

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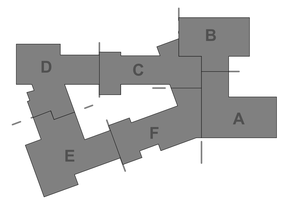

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Dover, NH
Edge of Slab - Roof Plan - Part E

SCALE: 1/8" = 1'-0" DRAWN BY: NA CHECKED BY: Checker

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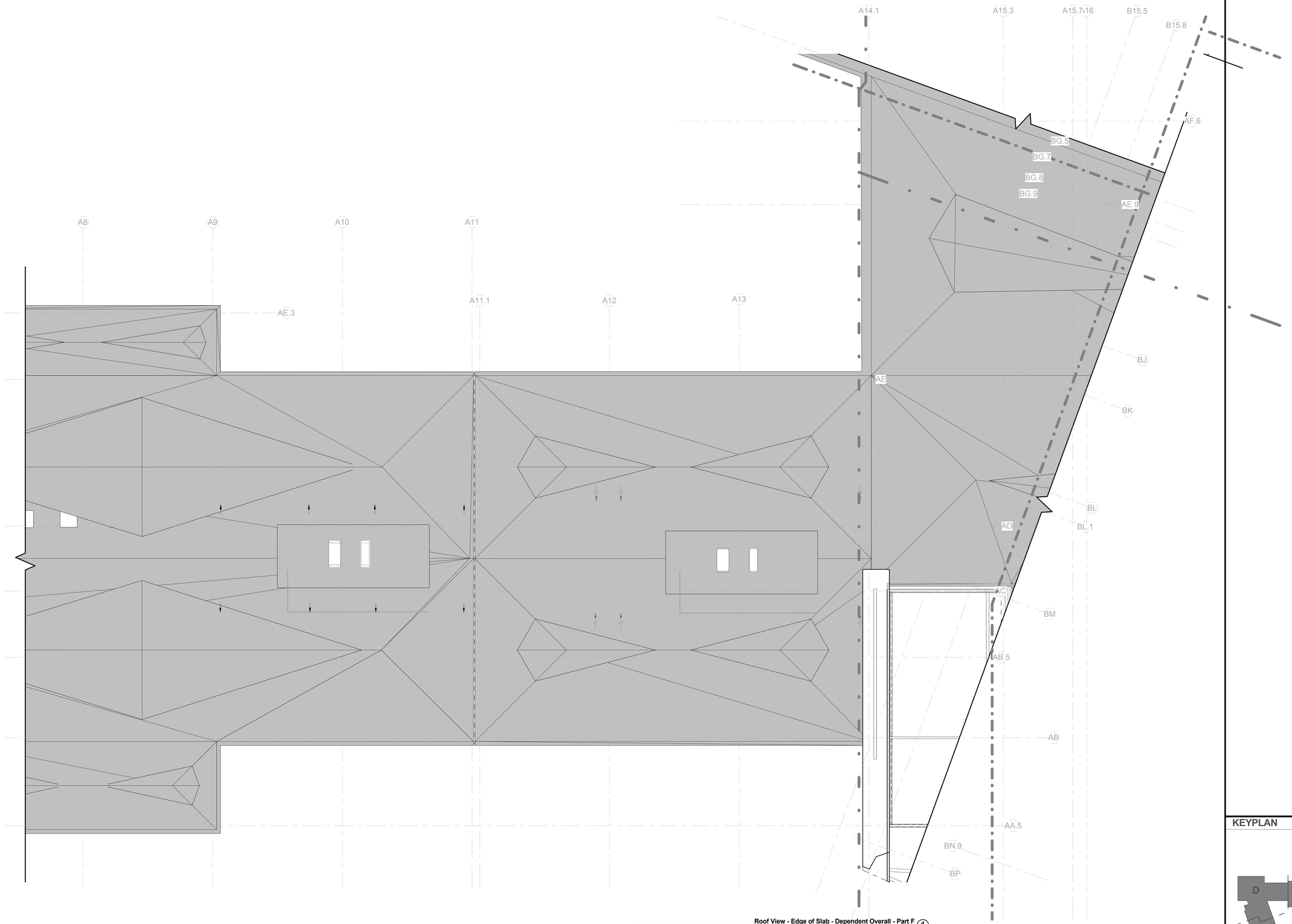

Roof View - Edge of Slab - Dependent Overall - Part F (1)
1/8" = 1'-0"

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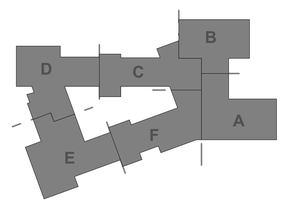

Dover HS / Career Technical Center
25 Alumni Drive, Dover, NH
Edge of Slab - Roof Plan - Part F

SCALE: 1/8" = 1'-0" DRAWN BY: MA CHECKED BY: Checker

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Corridor C 0-2 A3
K Off 021D D1
Elec 021E G1
Gym Equip Sto 022 G2
Kitchen 021 G3
Fac Sto 017 G2
Fac Office 023 D1
Fac Dir Office 023A D1
Kitchen Sto 021F G2
Servery 021A G3
Cust Wrkrm 020 G2
2HR INTUMESCENT PAINT
General Supply 016A G2
Receiving/Sto 016 G2
T 021C F2
K Off 021B D1
Cust Brk.Rm. 019 D1
Dist Sto 015 G2
Water Ent 018 G1
Corridor C 0-1 A3
Elev. M. 001C G1
Cust 001D G1
Girls 001B F1
Music Storage 002 G2
Boys 001A F1
Audi Sto 003F G3
Light Lock 003E G3
Data 004 G1
T 005 F2
T 006 F2
A/V 003B G1
EM Elec 003C G1
Sound Lock 03D B3
Music Learning LC 0-1 A3
Storage 007 G2
SHIPS LADDER
Corridor C 0-1 A3
Band 014 C1 2390 SF
Stage 003A B2
Prac 008 C1
Prac 009 C1
Keyboarding 013 C1
Prac 010 C1
Music Off 011 D1
Music CR 012 C1
Sound Lock 03F B3
Audi Sto 003G G2
Audi Sto 003E G2
Lower Auditorium 003 B3
853 SEATS
FOUNDATION WALL SEE STRUCTURE, PROVIDE WATER PROOFING ON THIS SIDE
typ
8' MB
7' MB
8' MB

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KEYPLAN

Dover HS / Career Technical Center
Dover, NH
Ground Floor - Part A
Casework
SCALE: 1/8"=1'-0"
DRAWN BY: PT
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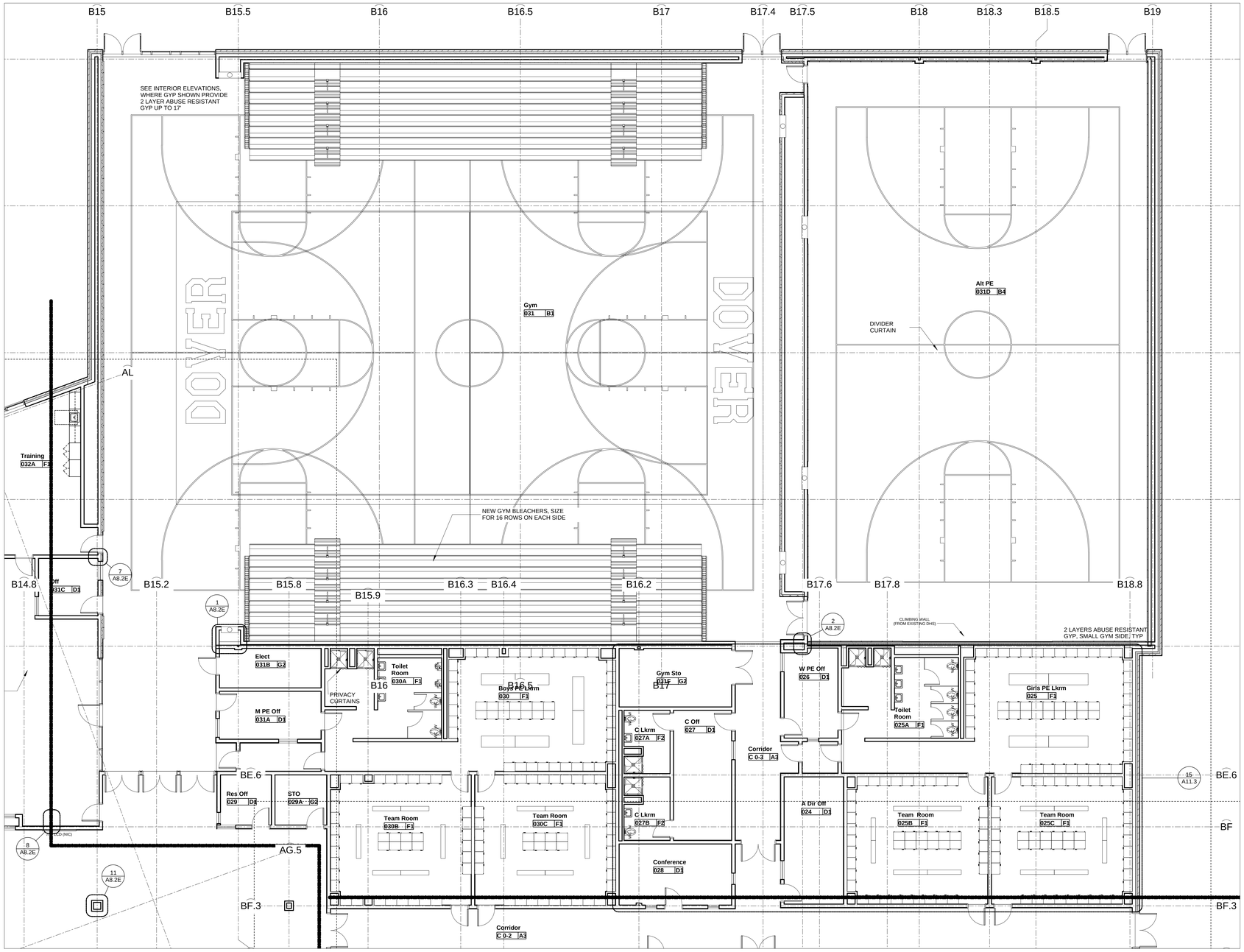

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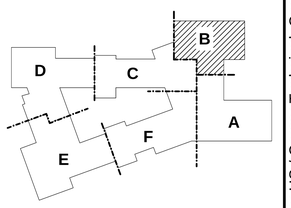

Dover HS / Career Technical Center
Dover, NH
Ground Floor - Part B
Casework

SCALE 1/8"=1'-0"
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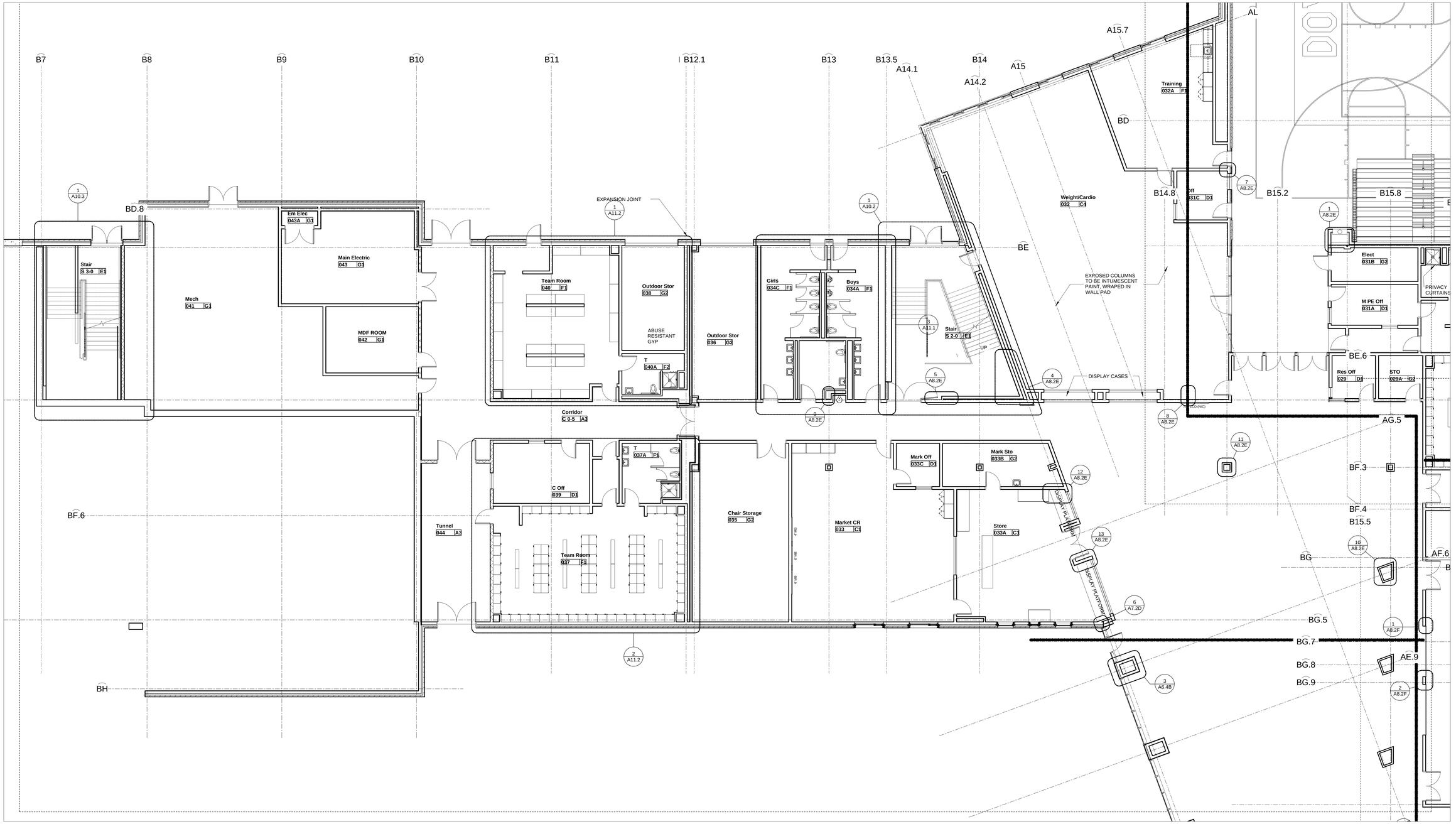

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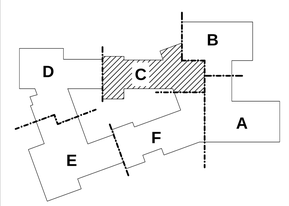

Dover HS / Career Technical Center
Dover, NH
Ground Floor - Part C
Casework

SCALE: 1/8"=1'-0" DRAWN BY: PT CHECKED BY: PSC

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TRUE NORTH
PLAN NORTH

Dover HS / Career Technical Center
Dover, NH
First Floor - Part A
Casework

SCALE: 1/8"=1'-0" DRAWN BY: PT CHECKED BY: PSC

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KEYPLAN

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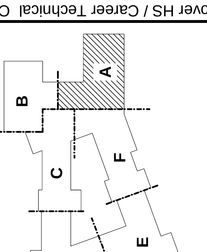

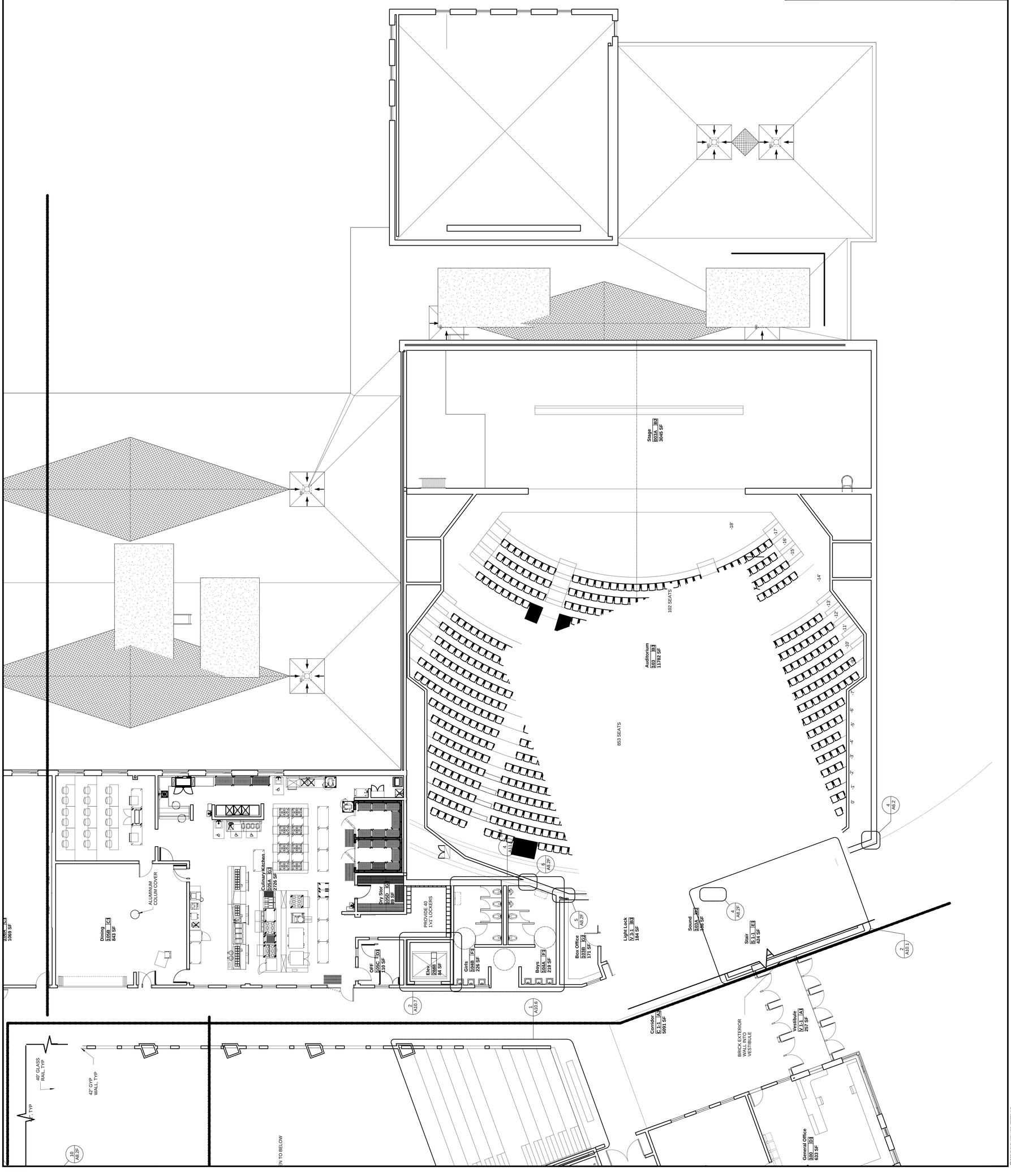

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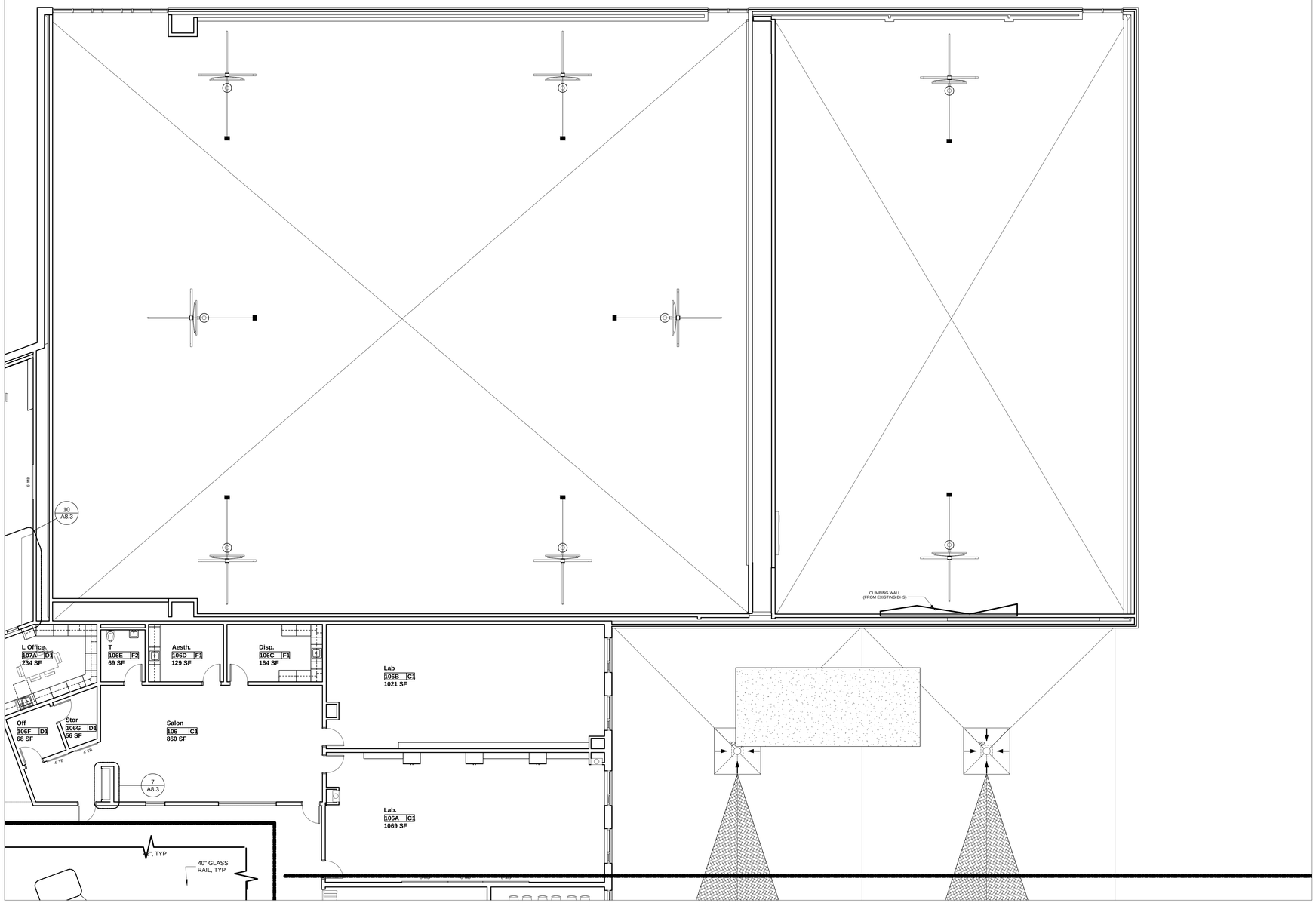
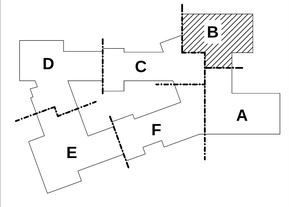


KEYPLAN



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Dover, NH
First Floor - Part B
Casework

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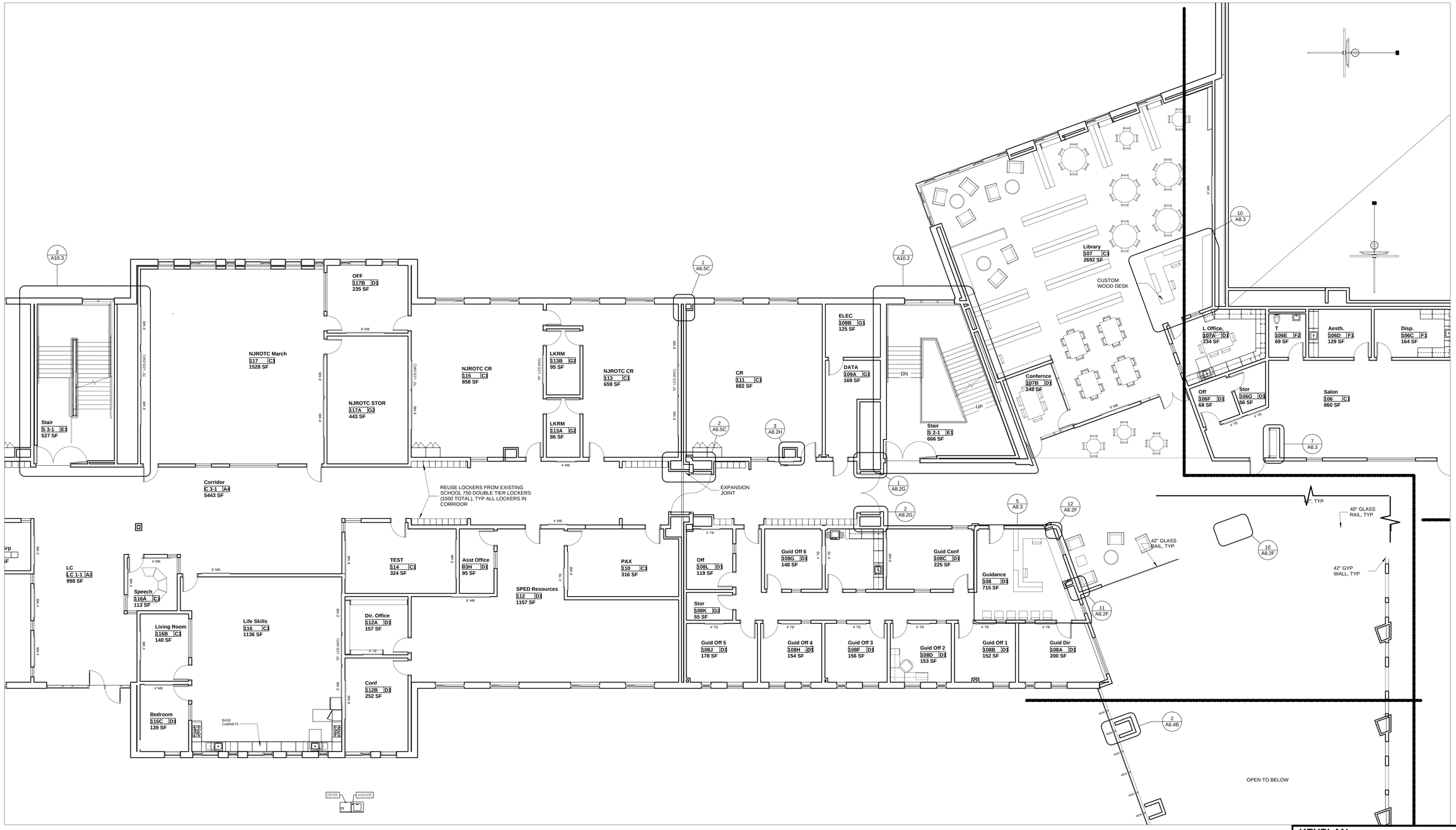

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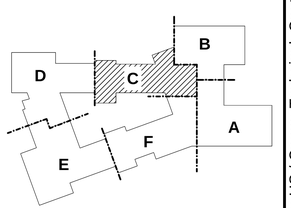

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UPTO 14' ALONG
EXTERIOR WALL

Storage
125D D3
412 SF

PROJECT STORAGE

Wood Work Lab
125C C3
1121 SF

BC Off
126B D1
87 SF

BC Entry
126A D1
51 SF

WW Off
125B D1
87 SF

BC Entry
125A D3
51 SF

Building Const
126C C3
3683 SF

CHAIN LINK STORAGE
AND DOOR

OVERHEAD DOOR - 18' X 18'

Building
Const CR
126 C1
769 SF

Wood
Work CR
125 C1
762 SF

CR
123 C3
852 SF
SEE TYPICAL CLASSROOM
& INTERIOR ELEVATIONS

CR
121 C3
853 SF
SEE TYPICAL CLASSROOM
& INTERIOR ELEVATIONS

CR
119 C3
853 SF
SEE TYPICAL CLASSROOM
& INTERIOR ELEVATIONS

2
A10.3

Stair
S 3-1 E3
527 SF

2
A8.2H

DOUBLE TIER
LOCKERS FROM
EXISTING DHS

7
A8.2G

Elec
124E G1
129 SF

T
124A F2
60 SF

Cust
124B G1
52 SF

Data
124F G1
57 SF

Boys
124D F1
226 SF

Girls
124C F1
225 SF

Cust CL
124G G1
85 SF

1
A11.1

CR
122 C3
852 SF
SEE TYPICAL CLASSROOM
& INTERIOR ELEVATIONS

CR
120 C3
854 SF
SEE TYPICAL CLASSROOM
& INTERIOR ELEVATIONS

SINGLE TIER
LOCKERS FROM
EXISTING SCHOOL

Sm Grp
118A
116 SF

LC
LC 1-1 A2
998 SF

Speech
116A C1
113 SF

Living Room
116B C1
140 SF

Bedroom
116C D3
139 SF

Electrical Tech
127 C3
2837 SF

Off
127A D1
149 SF

Sto
127B G2
211 SF

8
A8.2G

STAIR
S 4-1 E3
633 SF

1
A10.4

Media Arts LC
LC 1-2 A2
1054 SF

ART DISPLAY CASE,
TYP
SEE 11/A8.6

4
A8.3

Stor.
129A G2
105 SF

Sculpture
129 C2
1125 SF

Kiln
129B G2
80 SF

DOUBLE TIER
LOCKERS FROM
EXISTING DHS

Art Sto
128A G2
191 SF

Media
128 C2
1187 SF

Sp Booth
134 G2
39 SF

DK RM
130B G2
155 SF

Art Sto
128A G2
219 SF

Jewelry
131 C2
1129 SF

Photography
130 C2
1188 SF

Physics
133 C1
1216 SF

Science Prep
131A C1
108 SF

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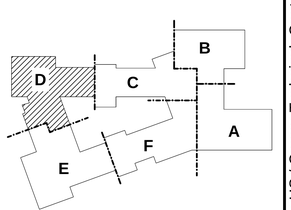

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First Floor - Part D
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REVISIONS NO.	DATE	REMARKS	BY

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JOB NUMBER 403114

SEE 11/A8.6

Art Sto
I-26A
219 SF
G3

PA RM
I-30B
126 SF
G2

Sp Booth
I-34
39 SF
G3

16' MB | 70' LCD (NIC) | 16' MB

ART DISPLAY CASE, TYP SEE 11/A8.6

Physics
I-33
1216 SF
C1

Physics Prep
I-33
C1

Science Prep
I-31
108 SF
C1

Photography
I-30
1188 SF
C4

8' MB | 70' LCD (NIC) | 8' MB

Welding Lab
I-35A
C1

Welding CR
I-35
C1

Earth Science
I-32
C1

6
A8.2G

SEE FIXED CASEWORK DRAWINGS

Science Prep
I-32A
C1

WASH BAY

UPTO 14'

PRE FAB DOWN DRAFT SPRAY BOOTH & MIXING ROOM

CHAINLINK CAGE WITH SLIDING DOOR

Parts Storage
I-38D
C4

4' MB | 70' LCD (NIC) | 4' MB

Earth Science
I-34
C1

SEE FIXED CASEWORK DRAWINGS

Auto Collis CR
I-36
C3

Auto Collision
I-36A
C3

UPTO 14'

FLOOR STRIPING FOR CAR BAYS

CHAINLINK WITH DOOR

EM Elec
I-40H
G1

Electric
I-03G
F3

Girls
I-40D
F3

Boys
I-40C
F3

Teacher Planning
I-44
D3

Storage
I-38E
C3

PROVIDE 64 1' x 1 LOCKERS

AC Off
I-36B
D3

UPTO 14'

Data
I-40F
F3

1
A11.1

CR
I-42
C3

LC
LC.1-3
A2

Sm Grp
I-46A
C3

Lkrm
I-39C
F3

I-36D
F3

E Mach
I-40E
G3

Dist
I-40B
G3

I-40A
F3

6' MB | 6' MB

Sm Grp
I-44A
C3

4' MB | 4' MB

3
A10.7

25" LOCKERS DBL TIER

REUSE EXISTING LOCKERS FROM DHS, TYP ALL COORDIOR LOCKERS

25" LOCKERS DBL TIER

5
A8.2G

4
A8.2G

STORAGE
I-39C
C3

CHAINLINK CAGE WITH SLIDING DOOR

8' MB | 70" TSM (NIC)

CTE Workroom
I-39A
D3

CTE ConfiComp
I-39B
D3

GS

STAIR
S-2.1
E3

3D Printer
I-45A
151 SF
C3

AT Off
I-38B
D1

CTC Storage
I-37
C3

UPPER AND LOWER BASE CABINETS

CR
I-41
C3

CR
I-43
C3

Up

OFF
I-45B
86 SF
D1

4' MB | 70" TSM (NIC) | 4' MB

FRP UPTO 6'-0VER WALL TYPE SCHEDULED, ENTIRE WALL

4' TB

CTC Admin
I-39
A1

Auto Tech
I-39A
C3

Auto Tech CR
I-38
C3

CTE Dir
I-39C
D3

Stor
I-45C
171 SF
G3

Vestibule
V-2.1
A1

Office
I-39E
D1

Office
I-39D
D3

5
A10.5

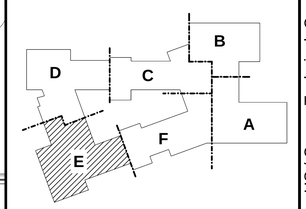
6
A8.3

FLOOR STRIPING FOR CAR BAYS

UPTO 14'

UPTO 14'

KEYPLAN



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Casework

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TRUE NORTH
PLAN NORTH

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KEYPLAN

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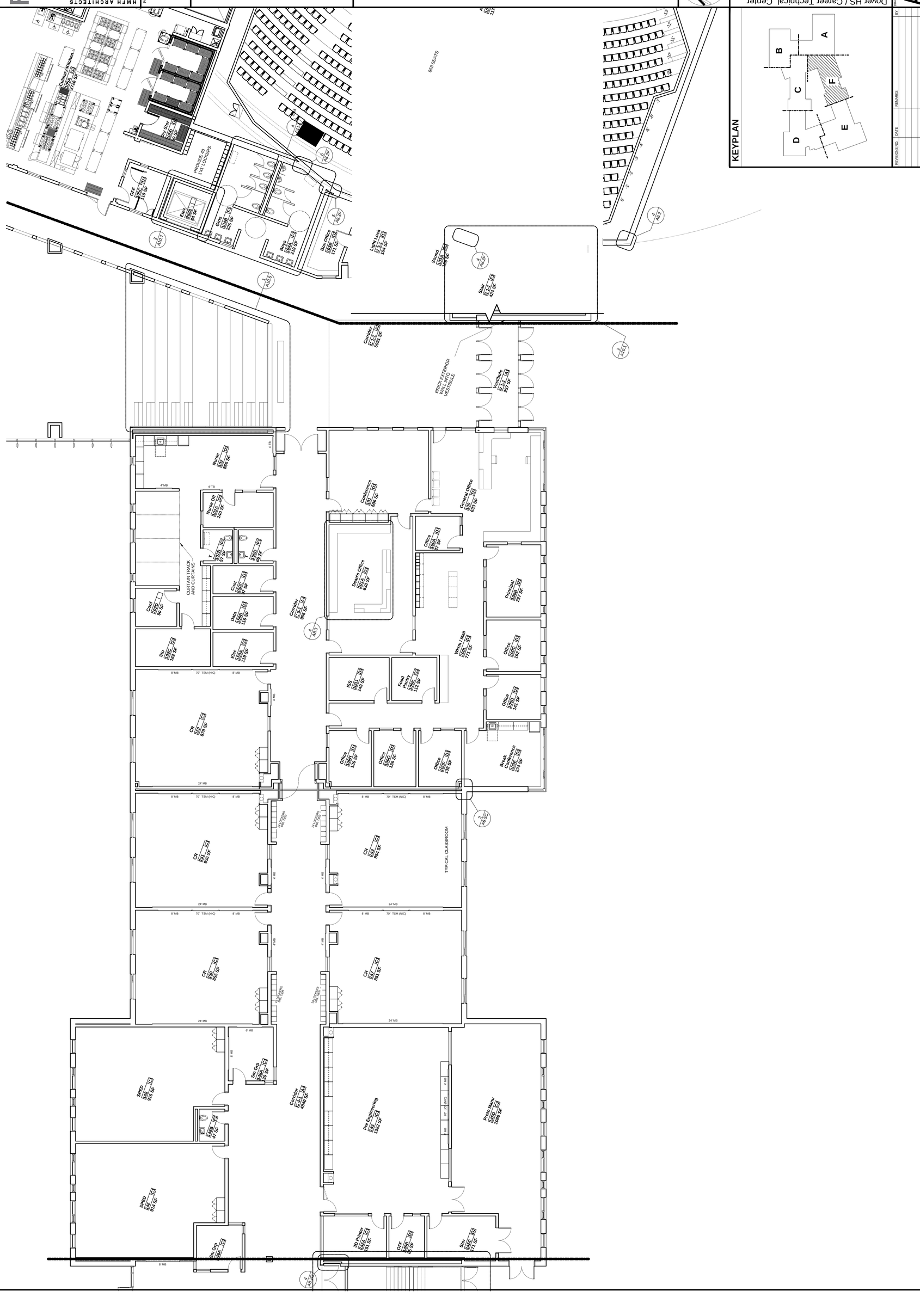

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Stor
206E G2
93 SF

EMT CR
206B C3
566 SF

Lab
206 C3
934 SF

Sports Med CR
206A C3
567 SF

Elec
205 G1
97 SF

Office
206C D3
106 SF

Stor
206D G2
202 SF

Staff Dining
204 C3
731 SF

Cust CL
203 G1
106 SF

Boys
202B F3

Girls
202A F3

LC
LC 2-1 A4
700 SF

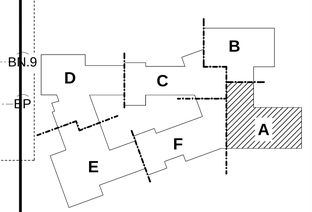
Proj. Room
201A G2
314 SF

Stair
S 1-2 E3

AG.5 BF.3 BF.4 BG AF.6 BG.2 BG.5 BG.7 AE.9 BG.8 BG.9 AD AC AB.5 A13 A11.2 A16 A15.3 AB AA.5 AA.3 B18.4 B19.2 B20 B20.3 B21 BJ BJ.9 BK BL BL.1 BM BN BN.1 BN.9 BP

A10.7 A11.0 10 A8.2H 3 A6.4A 3 A10.1

KEYPLAN



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Casework

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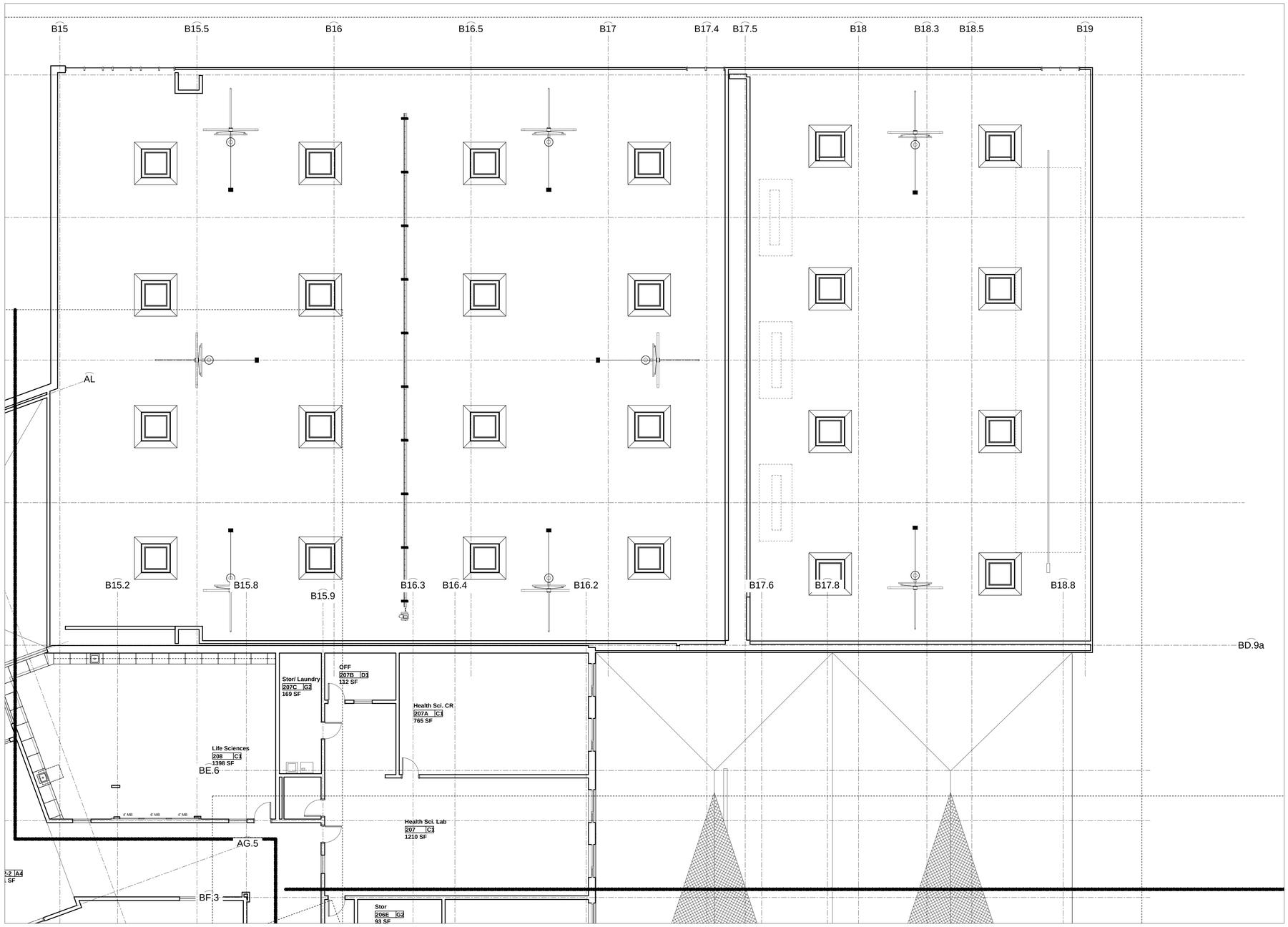

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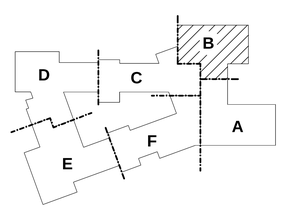

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Dover, NH
Second Floor - Part B
Casework

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B7 B8 B9 B10 B11 B12.1 B13 B13.5 B14 B15 A14.1 A14.2 A15.7 BC AL BD BE BD.8 BH B14.8 B15.2 B15.8 B15.9 BE.6 AG.5 BF.3 BF.4 BF.6 BG AF.6 BG.2 BG.5 BG.7 BG.8 BG.9 AE.9

3 A10.3 3 A10.2 6 A8.2H 7 A8.2H 5 A8.2H 15 A8.3

Stair
S 3-2 E2
529 SF

Bus CR
221 C1
846 SF

Off/Break
221A D1
211 SF

Conf
219A D1
265 SF

Bus CR
219 C1
866 SF

CR
217 C1
852 SF

CR
215 C1
852 SF

CR
213 C1
876 SF

Elec
211A G1
125 SF

Sto
211 G2
171 SF

DN

Stair
S 2-2 E1
669 SF

Sm Grp
209 C1
173 SF

Stor/ Laundry
207C G2
169 SF

Life Sciences
208 C1
1396 SF

LC
LC 2-2 A4
1101 SF

Corridor
C 2-3 A4
6282 SF

Sm Grp
220A C1
138 SF

Animation Lab
222A C1
113 SF

T
220B F2
47 SF

Collab RM
222B C1
158 SF

OFF
222C C1
122 SF

Computer Prog.
222 C1
1576 SF

CR
218 C1
853 SF

CR
216 C1
854 SF

CR
214 C1
880 SF

CR
212 C1
962 SF

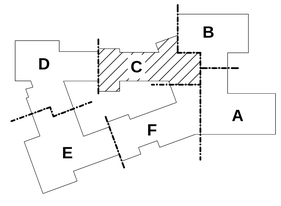
Teacher Planning
210 D1
672 SF

14 LOCKERS DBL TIER

6 LOCKERS DBL TIER

4' MB 6' MB 70" LCD (NIC)

KEYPLAN



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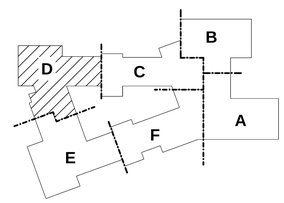

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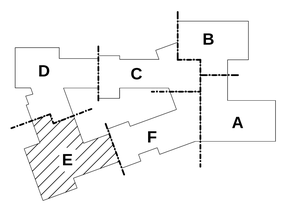

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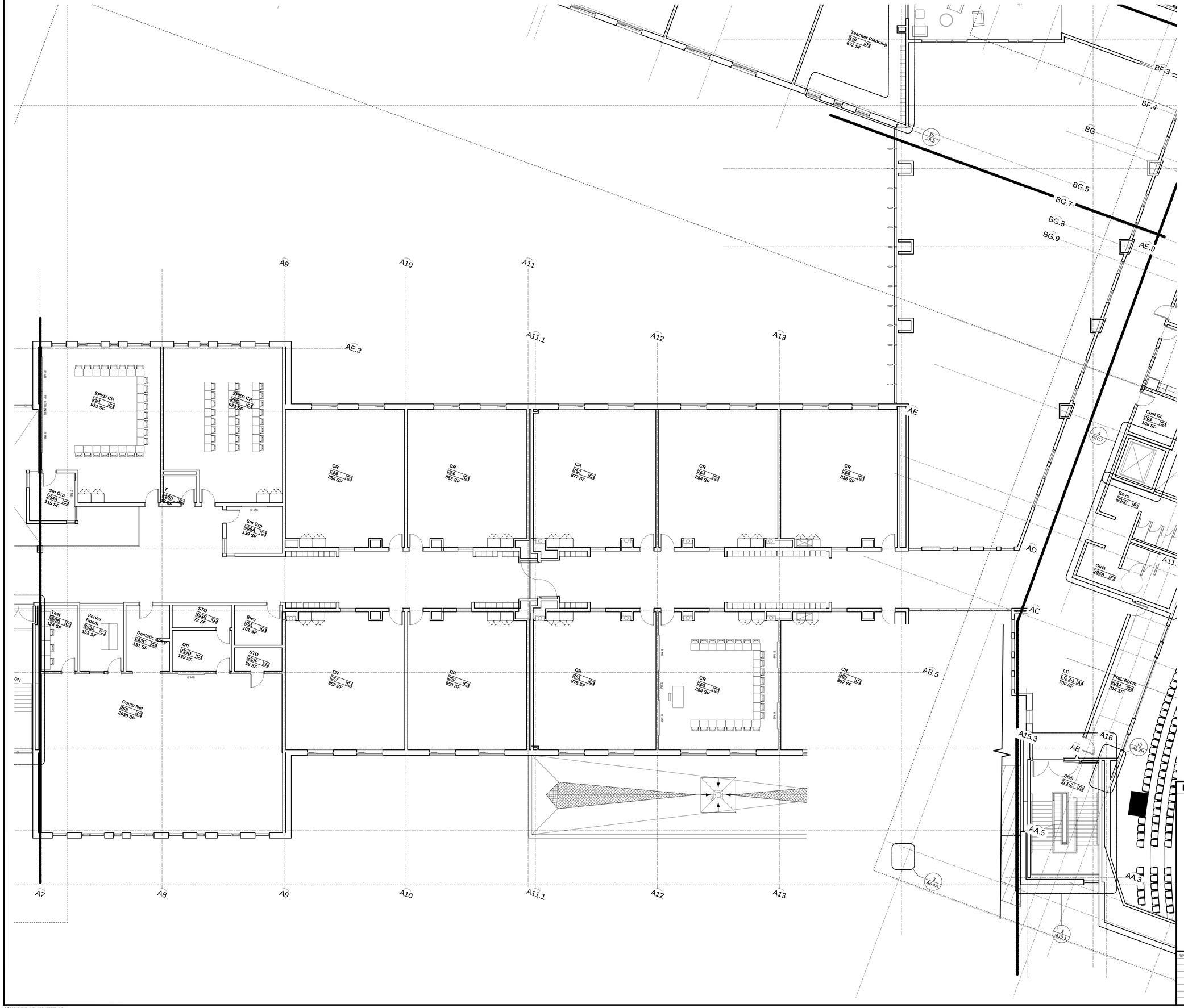

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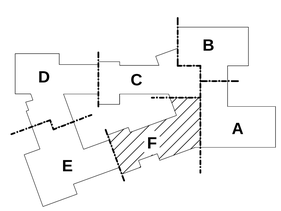

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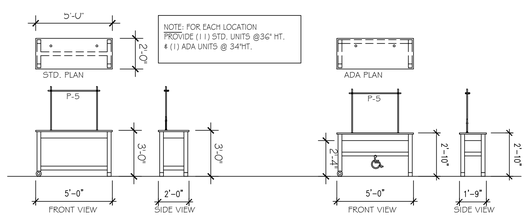
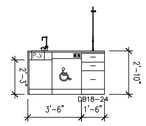


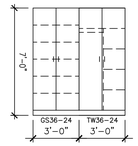
STUDENT SCIENCE TABLES

1/4" = 1'-0" (3)



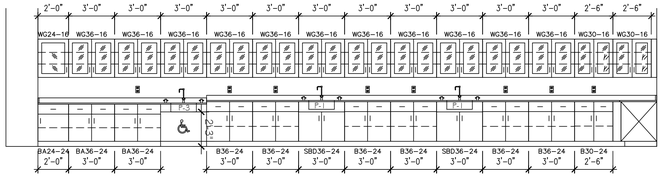
SCI. DEMO TABLE

1/4" = 1'-0" (2)



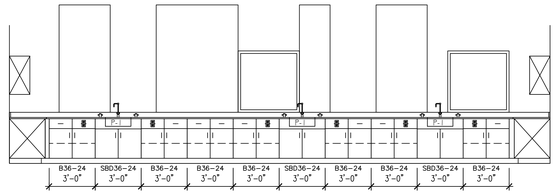
CR GENERAL STG.

1/4" = 1'-0" (1)



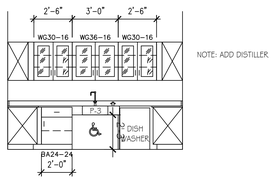
TYP. CHEMISTRY LAB CASEWORK

ROOM XXX - 1/4" = 1'-0" (6)



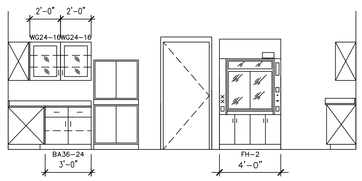
TYP. CHEMISTRY LAB CASEWORK

ROOM XXX - 1/4" = 1'-0" (5)



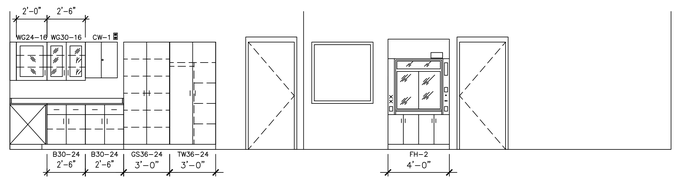
TYP. CHEMISTRY PREP ROOM

ROOM XXX 1/4" = 1'-0" (9)



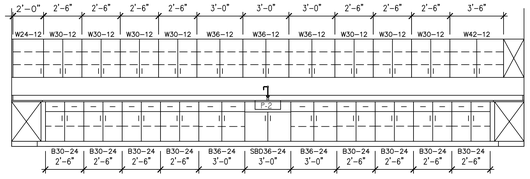
TYP. CHEMISTRY PREP ROOM

ROOM XXX 1/4" = 1'-0" (8)



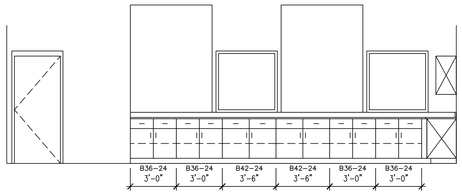
TYP. CHEMISTRY LAB CASEWORK

ROOM XXX 1/4" = 1'-0" (7)



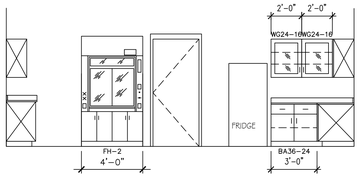
ART ROOM - JEWELRY

ROOM XXX 1/4" = 1'-0" (12)



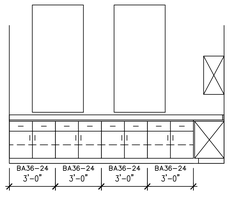
ART ROOM - JEWELRY

ROOM XXX 1/4" = 1'-0" (11)



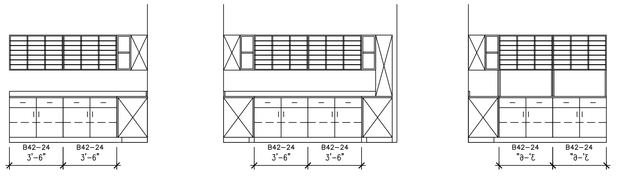
TYP. CHEMISTRY PREP ROOM

ROOM XXX 1/4" = 1'-0" (10)



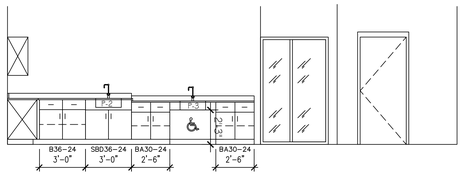
NURSE - KITCHEN

ROOM XXX 1/4" = 1'-0" (15)



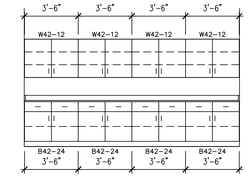
ADMINISTRATION - MAIL/COPY

ROOM XXX 1/4" = 1'-0" (14)



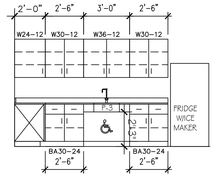
ART ROOM - JEWELRY

ROOM XXX 1/4" = 1'-0" (13)



NURSE - STORAGE

ROOM XXX 1/4" = 1'-0" (16)



NURSE - KITCHEN

ROOM XXX 1/4" = 1'-0" (16)

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100% DESIGN DEVELOPMENT
03/15/2016

Dover HS / Career Technical Center
Dover, NH
Casework Elevations
SCALE: 1/8"=1'-0" DRAWN BY: PT CHECKED BY: PSC

REVISIONS NO.	DATE	REMARKS	BY

DRAWING NUMBER
A14.3

JOB NUMBER 403114

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03/15/2016

TRUE NORTH
PLAN NORTH

Dover HS / Career Technical Center
Dover, NH
First Floor - Part A
Furniture/Equipment

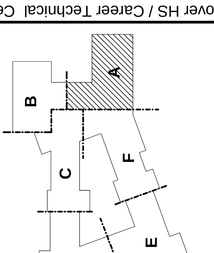
SCALE: 1/8"=1'-0" DRAWN BY: PT CHECKED BY: PSC

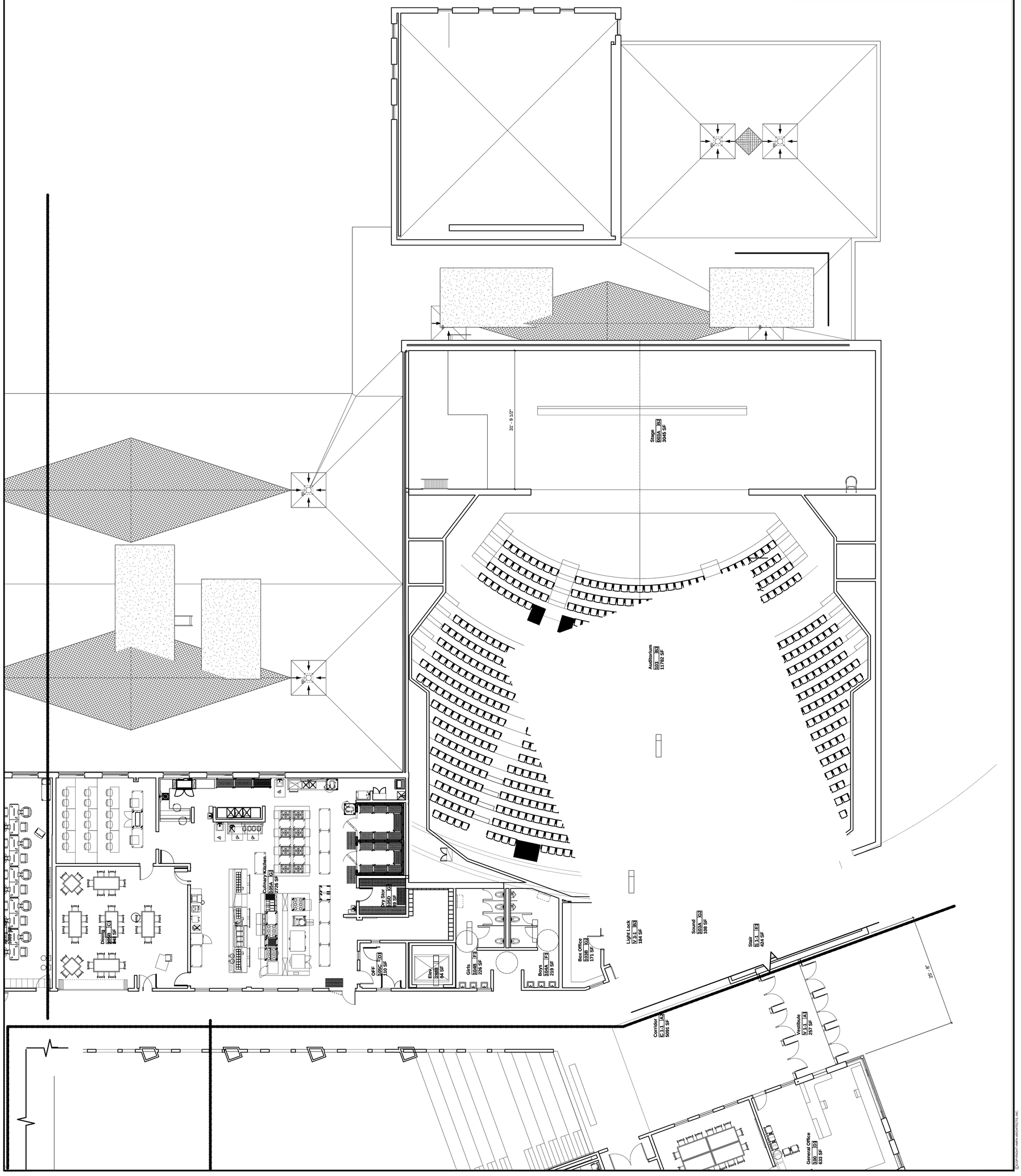
A15.1A

JOB NUMBER 403114

REVISIONS NO	DATE	REMARKS	BY

KEYPLAN





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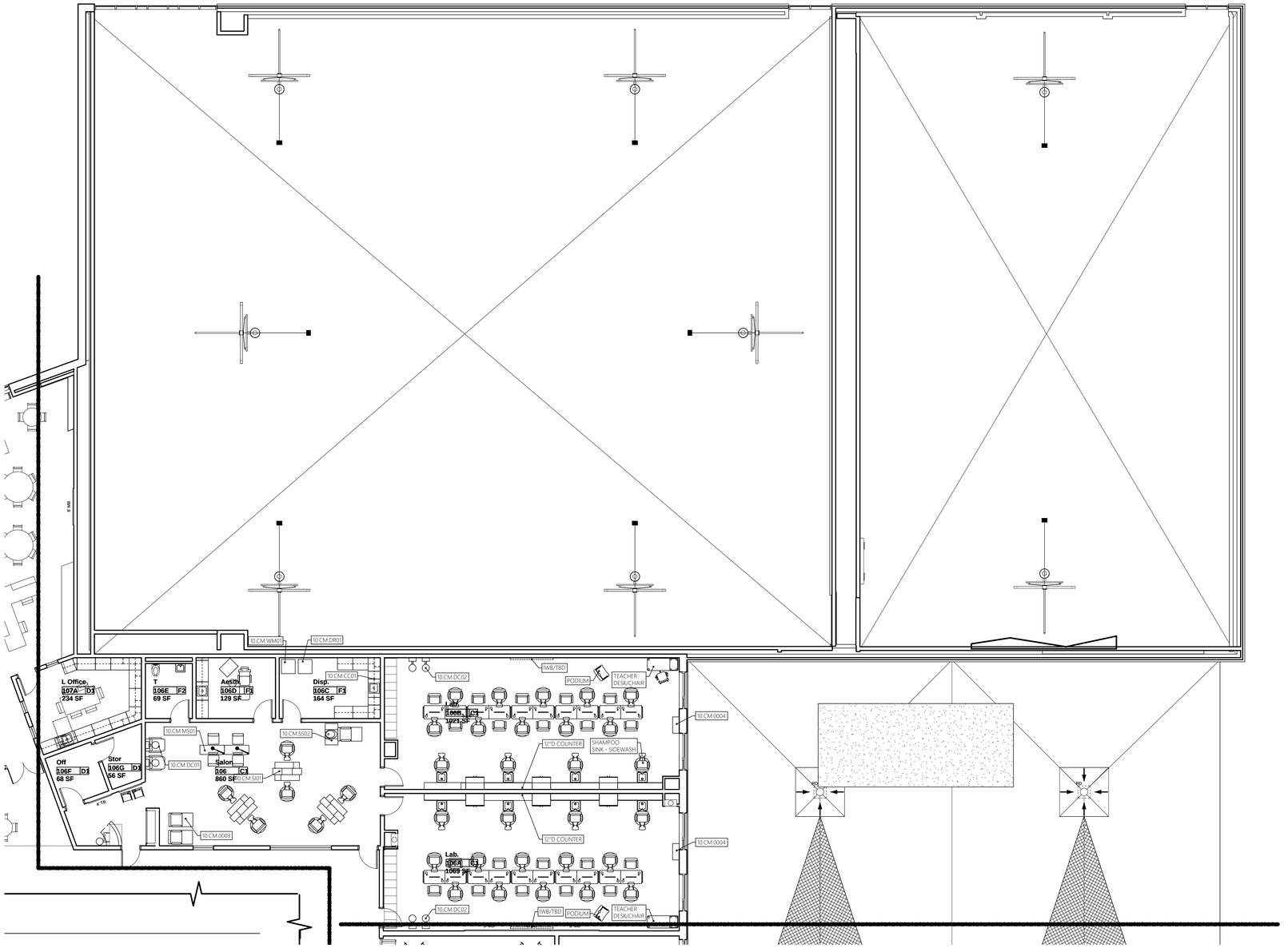
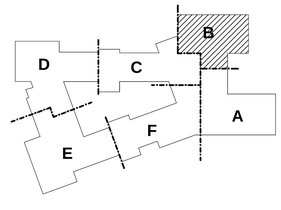


COSMETOLOGY EQUIPMENT

Qty	Code	Description	MEP Services	New/ Existing
2	10.CM.0003	Pedicure Station W/foot Bath	120V 80W	Existing
2	10.CM.0004	Wig Dryer	115 Volt - 13 Amps - 60 Hz	Existing
1	10.CM.CC01	Color Center		New
2	10.CM.DC01	Drying Chair/Hood, Fixed		New
4	10.CM.DC02	Drying Chair/Hood, Portable	120 Volts, 980 Watts, 400 Cubic Feet Air Movement per Hour	New
1	10.CM.DR01	Commercial Single Load Electric Dryer	120/240/60/1, 1/3 HP, 4" Vent ducting	New
1	10.CM.FB01	Facial Bed W/Stool		New
1	10.CM.FC01	Flammable Storage Cabinet - Manual Doors, Yellow, 45 Gallon	Requires venting	New
2	10.CM.MS01	Manicure Station	110V	New
34	10.CM.SC01	Styling Chair		New
20	10.CM.SC02	Styling Chair - Simple		New
3	10.CM.SI01	Styling Island	Includes quad electrical outlet for each stylist, wired on-site by electrician.	New
8	10.CM.SS01	Shampoo Station - Sidewash	Hot/Cold Water, Drain, Hair Trap	New
1	10.CM.SS02	Shampoo Station - Backwash	Hot/Cold Water, Drain, Hair Trap	New
20	10.CM.ST01	Styling Station - Custom	110V - Floor; Includes quad electrical outlet for each stylist, wired on-site by electrician.	New
1	10.CM.WM01	Commercial Front Load Washer	120/60/1-15 amp, Hot/Cold Water	New

KEYPLAN



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100% DESIGN DEVELOPMENT
03/15/2016

PLAN NORTH
TRUE NORTH

Dover HS / Career Technical Center
Dover, NH
First Floor - Part B
Furniture/Equipment
SCALE: 1/8"=1'-0"
DRAWN BY: PT
CHECKED BY: PSC

DRAWING NUMBER
A15.1B

JOB NUMBER 403114

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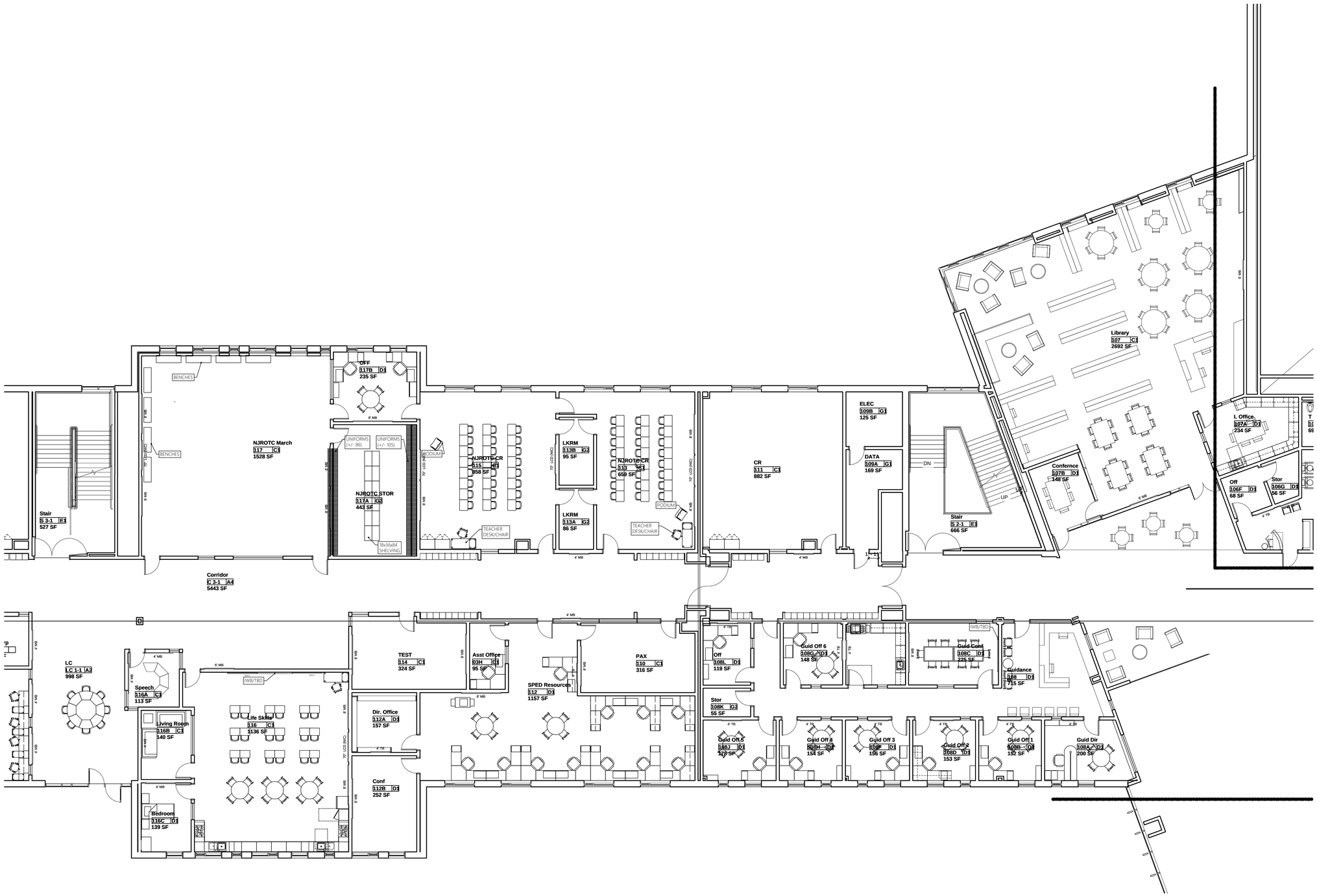
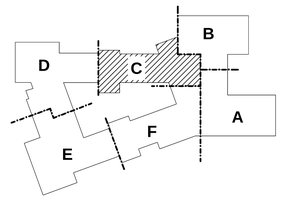


COSMETOLOGY EQUIPMENT

Qty	Code	Description	MEP Services	New/ Existing
2	10.CM.0003	Pedicure Station W/foot Bath	120V 80W	Existing
2	10.CM.0004	Wig Dryer	115 Volt - 13 Amps - 60 Hz	Existing
1	10.CM.CC01	Color Center		New
2	10.CM.DC01	Drying Chair/Hood, Fixed		New
4	10.CM.DC02	Drying Chair/Hood, Portable	120 Volts, 980 Watts, 400 Cubic Feet Air Movement per Hour	New
1	10.CM.DR01	Commercial Single Load Electric Dryer	120/240/60/1, 1/3 HP, 4" Vent ducting	New
1	10.CM.FB01	Facial Bed W/Stool		New
1	10.CM.FC01	Flammable Storage Cabinet - Manual Doors, Yellow, 45 Gallon	Requires venting	New
2	10.CM.MS01	Manicure Station	110V	New
34	10.CM.SC01	Styling Chair		New
20	10.CM.SC02	Styling Chair - Simple		New
3	10.CM.SI01	Styling Island	Includes quad electrical outlet for each stylist, wired on-site by electrician.	New
8	10.CM.SS01	Shampoo Station - Sidewash	Hot/Cold Water, Drain, Hair Trap	New
1	10.CM.SS02	Shampoo Station - Backwash	Hot/Cold Water, Drain, Hair Trap	New
20	10.CM.ST01	Styling Station - Custom	110V - Floor; Includes quad electrical outlet for each stylist, wired on-site by electrician.	New
1	10.CM.WM01	Commercial Front Load Washer	120/60/1-15 amp, Hot/Cold Water	New

KEYPLAN



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100% DESIGN DEVELOPMENT
03/15/2016

PLAN NORTH
TRUE NORTH

Dover HS / Career Technical Center
Dover, NH
First Floor - Part C
Furniture/Equipment
SCALE: 1/8"=1'-0"
DRAWN BY: PT
CHECKED BY: PSC

DRAWING NUMBER
A15.1C

JOB NUMBER 403114

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WOODWORKING (Not CTC)

Qty	Code	Description	MEP Notes	
1	10.WW.0002	Drill Press	120/230 Volts, 60 Hz	Existing
1	10.WW.0007	Large Lathe, 16 x 42	1.5HP, 115V, 1P, 4.6A	Existing
1	10.WW.0008	Industrial Cabinet Saw	5 hp, 3 phase, 230V, 13 A	Existing
4	10.WW.0009	Mini Lathe	1.5HP, 115V, 1P, 4.6A	Existing
1	10.WW.0016	Band Saw	1.5 HP, 1P, 115/230V, 11/5.5A	Existing
1	10.WW.0018	Buffer/Grinder	1/2Hp, 1P, 110V	Existing
1	10.WW.B501	Band Saw	230V, 1 PH, 12A	New
1	10.WW.CS01	Combination Belt/Disc Sander	1-1/2HP, 1PH, 115/230V, (pre-wired 115V), 60Hz, 14/7A	New
1	10.WW.DP01	15" HD Floor Drill Press	220V, Single-Phase, 60 Hz, 8.6A, 2 HP	New
1	10.WW.JT01	8" Jointer w/Spiral Cutterhead	240V, Single-Phase, 60 Hz, 12A, 3 HP	New
1	10.WW.PL01	20-Inch Planer	5HP, 1PH, 230V	New
1	10.WW.SH01	Shaper	240V, Single-Phase, 60 Hz, 12A, 3 HP	New
1	10.WW.SS01	Oscillating Spindle Sander	120V or 240V, Single-Phase, 60 Hz, 12A at 120V, 6A at 240V, 1 HP	New

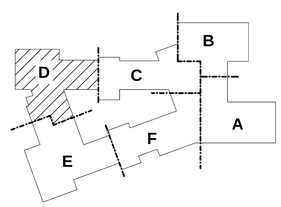
ELECTRICAL TECHNOLOGY

Qty	Code	Description	MEP Services	New/ Existing
1	10.ET.0001	4" One Shot 90 Deg. EMT, IMC, Rigid Shoe Group	120V	Existing
1	10.ET.0002	Job Box		Existing
1	10.ET.0003	Pipe Threader	Motor: 1/2 HP, Universal, reversible single-phase; HZ: 25-60 , 115V	Existing
1	10.ET.OF01	Furniture Allocation - Staff Office		New
1	10.ET.0004	Pipe Vise	NA	Existing

BUILDING CONSTRUCTION

Qty	Code	Description	MEP Services	New/ Existing
1	10.BC.0009	Industrial Cabinet Saw	5 hp, 1 phase, 230 V, 20.5 A. Dust collection port diameter: 4"	Existing
2	10.BC.0016	Compound Miter Saw	120V, 15 Amp Motor, Dust collection port diameter: 1.5"	Existing
1	10.BC.0017	Jet Disc Sander	1/3 HP, 115V, 1 Ph, 2X 1.25" dust ports	Existing
1	10.BC.0022	15" Drill Press	3/4 HP motor, 115/230 Volts, 11.2/5.6 Amps, 60 Hz, 1 phase	Existing
1	10.BC.0023	10" Band Saw w/Stand	2-1/2-hp motor; Amps 10A/1700 RPM; Volts 220V, 4" Dust Collection Port	Existing
1	10.BC.0024	20-Inch Planer	5HP, 1PH, 230V; Dust Port Outside Diameter: 5"	Existing
1	10.BC.0025	6-Inch Jointer w/Helical Cutterhead	1 HP; 1P; 115-/230-volt motor (pre-wired for 115 volts), Dust Port Outside Diameter 4"	Existing
1	10.BC.0026	Industrial Cabinet Saw	3 horsepower, 1 phase, 220 volts, 13 amps; 4" dust port	Existing
20	10.BC.SW01	Student Workstation - Allocation		New
1	10.WW.0008	Industrial Cabinet Saw	5 hp, 3 phase, 230V, 13 A; 4" Dust port	Existing

KEYPLAN



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100% DESIGN DEVELOPMENT
03/15/2016

NORTH

Dover HS / Career Technical Center
Dover, NH
First Floor - Part D
Furniture/Equipment
SCALE: 1/8"=1'-0"
DRAWN BY: PT
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DRAWING NUMBER
A15.1D

JOB NUMBER 403114

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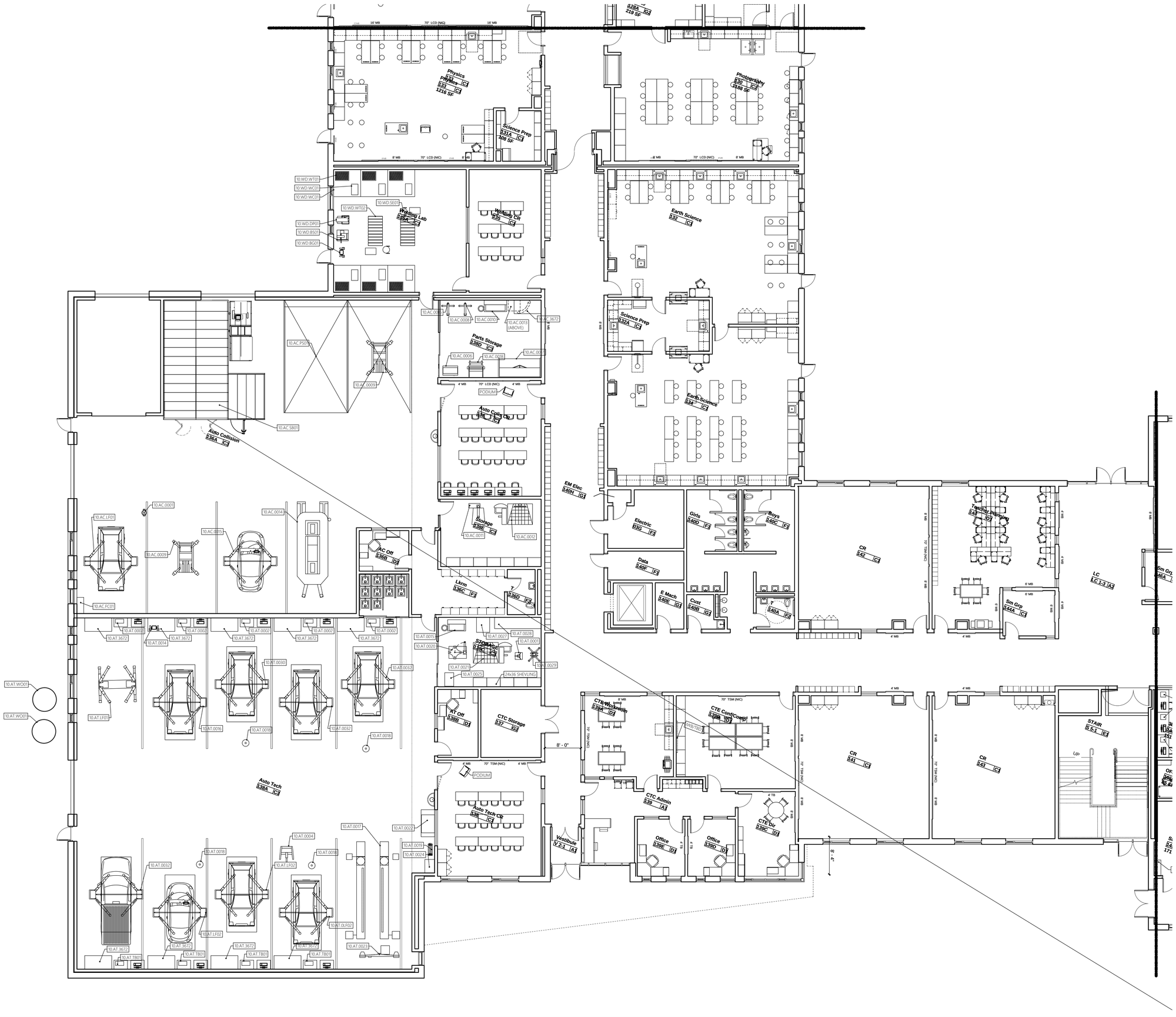


WELDING

Qty	Code	Description	MEP Services	New/ Existing
1	10.WD.0001	AC/DC Welder	230/1/60: INPUT CURRENT - AC:50A DC: 36A	Existing
1	10.WD.0002	Mig Welder	1P/208/230/460/575; 60Hz, 48/43/22/17A	Existing
1	10.WD.0003	Wire Feed	115 VAC, 50/60 Hz, 2.5 Amps	Existing
1	10.WD.0004	Arc Welder	230V, 50DC/46AC or 70DC/68AC, #8 Copper Wire, 70 or 90 Vcor	Existing
1	10.WD.0005	Tig Welder	Single-phase, 120 and 240 V, 50/60 Hz, Max Open Circuit Voltage 80 VDC	Existing
3	10.WD.0006	Electrostatic Air Cleaner	120 V, 60Hz, 1Ph; Amp Draw: 11.7	Existing
1	10.WD.0007	Grinder/Buffer	460 V/230 V/208 V; 3P, 50/60 Hz	Existing
1	10.WD.0008	Grinder - 1/2 HP	460 V/230 V/208 V; 3P, 50/60 Hz	Existing
1	10.WD.0009	Grinder	460 V/230 V/208 V; 3P, 50/60 Hz, SHP	Existing
2	10.WD.0010	AC/DC Arc Welder	230/1/60: INPUT CURRENT - AC:50A DC: 36A	Existing
1	10.WD.0011	Precision Tig Welder	INPUT POWER: 208/230/460/1/60; INPUT CURRENT: 40% Duty Cycle with PFC: 112/102/51A, 60% Duty Cycle: 102/92/46A	Existing
1	10.WD.0012	AC Arc Welder	INPUT POWER: 230/1/60; INPUT CURRENT: 50A	Existing
1	10.WD.0013	Lincoln Tig Welder	Input voltage: 208, 260 and 460 VAC single phase, (208/60 - 93/124 Input Amp, #4/#3 Wire, #6 Grounding Wire, 150/200 Fuse Size)	Existing
1	10.WD.BG01	Grinder, 12"	2HP, 1800RPM, 1PH, 60HZ, 3634L, GRND	New
1	10.WD.BS01	Band Saw	230V, 1 PH, 12A	New
1	10.WD.DP01	15" HD Floor Drill Press	220V, Single-Phase, 60 Hz, 8.6A, 2 HP	New
4	10.WD.SE01	Smoke Extractor	115/1/60	New
6	10.WD.WB01	Welding Booth		New
6	10.WD.WC01	Welding Cart		New
6	10.WD.WT01	Welding Table		New
2	10.WD.WT02	Welding Table, Large		New

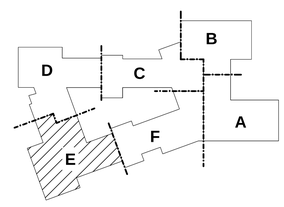
AUTO TECHNOLOGY

Qty	Code	Description	MEP Services	New/ Existing
1	10.AT.0001	Strut Compressor		Existing
4	10.AT.0002	Tool Set, 236-PC with Box		Existing
1	10.AT.0004	Foldable Engine Crane		Existing
1	10.AT.0014	8" Bench Grinder w/Light		Existing
1	10.AT.0015	Sandblasting Cabinet	Requires 10-15 cfm @ 80 psi.; 125 psi max. Vacuum - 115v	Existing
1	10.AT.0016	Two Post Lift - Rotary	1P: 208 - 230 Volts 60 HZ; 187 - 253 Volts 3P: 460 Volts 60 HZ; 414 - 506 Volts	Existing
1	10.AT.0017	Four Post Alignment Rack	208-230 VAC, single phase power, 26 Amp; Lift: 90-150 PSI (6.2-10.3 bar) Jacks: 125 PSI min (8.6 bar)	Existing
4	10.AT.0018	Oil Lift Drain		Existing
1	10.AT.0019	Shop Press		Existing
1	10.AT.0020	Tire Changer	(110 mode) 110V, 1 ph, NEMA 5-15P; (220 mode) 220V, 1 ph, NEMA L6-20P; 135-145 psi (9.3-10 bar) Air Motor - 14 CFM	Existing
1	10.AT.0021	Wheel Balancer	196-253V, 10 amp, 50/60 Hz, 1 ph (Power cable includes: NEMA 20 amp plug, L6-20P); 100-175 psi (7-12 bar)	Existing
1	10.AT.0022	Break Lathe	Standard 115v AC, 20A @ 60 Hz, 1Ph	Existing
1	10.AT.0023	Alignment System	115/230V, 15 amp*, 50/60 Hz, 1 ph;	Existing
1	10.AT.0024	Solvent Part Washer	115 VAC, 60Hz, 1.4A	Existing
1	10.AT.0025	Mig Welder	20A	Existing
1	10.AT.0027	Brake Lathe With DRO	120v / 1ph / 60hz	Existing
1	10.AT.0028	Tool Chest		Existing
1	10.AT.0029	Transmission Jack		Existing
1	10.AT.0030	Two Post Lift - Bend Pak	220 volt, 60HZ, single phase	Existing
10	10.AT.0031	Engine Stand		Existing
3	10.AT.0032	Two Post Lift - Challenger	2HP, 230V, Single Phase 60Hz; Air Lock Supply - 85-115 psi.	Existing
9	10.AT.3672	Work Bench, SS Top		New
1	10.AT.LF01	Environmental Lift		New
3	10.AT.LF02	Two Post Lift	Voltage 208v-230v; Motor 2 HP	New
2	10.AT.WO02	Waste Oil Storage Tank		New

AUTO COLLISION

Qty	Code	Description	MEP Services	New/ Existing
1	10.AC.0001	Dual bladder bubble jack	Requires Air, Capacity 2 tons Air Pressure 105 PSI	Existing
1	10.AC.0006	Combination Shear Brake Roll Machine w/Stand		Existing
1	10.AC.0008	English Wheel		Existing
2	10.AC.0009	Portable Scissor Lift	115/208-230 VAC / 50/60 Hz. 1Ph	Existing
1	10.AC.0010	Sandblasting Cabinet	115V vaccum; 2v 120V 115V flood light; Requires 10-15 cfm @ 80 psi - 125cfm max.	Existing
1	10.AC.0011	Rim Clamp Tire Changer	1 hp electric motor, 110 VAC, 1 ph, 13 amp (plus air supply); 110 to 175 PSI / SHP Compressor / 14 to 15 SCFM at 150 PSI	Existing
1	10.AC.0012	Wheel Balancer	196-256V, 3A, 56/60Hz, 1P (Power cable NEMA 20A plug, L6-20P)	Existing
1	10.AC.0013	Dual Arm Weld Fume Extraction	CONFIRM	Existing
1	10.AC.0014	Frame Rack	100 PSI Air Supply (7.0 Bar)	Existing
1	10.AC.0015	Two Post Lift	2HP, 208V/230V	Existing
1	10.AC.0016	Planishing Hammer	Air requirements: 15-120 PSI, CFM requirements: 12	Existing
1	10.AC.0017	Sheet Metal Hand Break		Existing
1	10.AC.0018	Hand Operated Finger Break		Existing
1	10.AC.3672	Work Bench, SS Top		New
1	10.AC.FC01	Flammable Storage Cabinet - Manual Doors, Yellow, 45 Gallon	Requires venting	New
1	10.AC.LF01	Two Post Lift	TBD	New
1	10.AC.MR01	Paint Mixing Room	See Attached	New
1	10.AC.PS01	NATEF Prep Station	See Attached	New

KEYPLAN



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03/15/2016

Dover HS / Career Technical Center
Dover, NH
First Floor - Part E
Furniture/Equipment
SCALE: 1/8"=1'-0"
DRAWN BY: PT
CHECKED BY: PSC

DRAWING NUMBER
A15.1E

JOB NUMBER 403114

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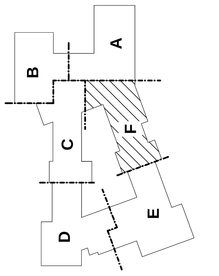
TRUE NORTH
PLAN NORTH

Dover HS / Career Technical Center
Dover, NH
First Floor - Part F
Furniture/Equipment
SCALE: 1/8"=1'-0" DRAWN BY: PT CHECKED BY: PSC

REVISIONS NO. DATE REMARKS BY
PROJECT NUMBER A15.1F
JOB NUMBER 4201114

KEYPLAN



PRE-ENGINEERING

Qty	Code	Description	MEP Services	New/ Existing
1	131TA1001	CNC 10-bow/3-Prototrapge Machine	115 VAC/1-ø/5A/1.15kVA, 50-60 Hz, 15A	Existing
1	131TA1002	Robotic Arm-Slide base controller	115/220VAC/1-ø/15A, 15Hz, 2A max, 50/60Hz	Existing
1	131TA1004	Laser engraving system	110V AC/ 1-Phase/ 1,000W max.	Existing
1	131TA1005	Structual Stress Analyzer	120V	Existing
1	131TA1006	3D Printer	380 - 240 V, 4 A, 50 - 60 Hz	Existing
1	131TA1007	Plotter	208 to 240 VAC/1-ø/ - 10%, 15A/50 Hz/1-3 Hz/2.7 amps	Existing
1	131TA1008	CNC Bench Mill	115 VAC, 50-60Hz, 15A	Existing
1	131TA1009	Sign Maker	AC 100 to 240 V ±10 % 50/60 Hz 1.7 A	Existing
1	131TA1010	Wood Turret	1 kW - 115 volt ball bearing AC motor	Existing
1	131TA1012	TIG Lathe	110 Volts AC / 15 amp	Existing
1	131TA1013	Bench Lathe w/ Stand	3/4 HP - 110V Only - 1Ph - Prewired for 110v - 1Ph.	Existing
1	131TA1015	Interlock Tester		Existing
1	131TA1016	Turret Milling Machine	2 HP - 115/230V, 1Ph - Left Required	Existing
1	131TA1017	Lathe	230 VOLTS, 3 PH, 60 CYC	Existing
1	131TA1018	CNC Mill	230-250 VAC 50/60 Hz single phase (common), 20A breaker recommended. 115 VAC 50/60Hz transformer included with unit	Existing
1	131TA1019	CNC Router	3.5 HP - 230V, 3PH spindle	Existing
1	131TA1020	Industrial Cabinet Saw	5 Hp, 3 phase, 220V, 13 A	New
1	131TA1021	Surface Plate with Stand	180 - 240 V, 4 A, 50 - 60 Hz, Isonimip or 3M Room	Existing
2	131TA1201	3D Printer	180 - 240 V, 4 A, 50 - 60 Hz, Isonimip or 3M Room	New
1	131TA1001	Band Saw	220V, 1 PH, 15A, 4M Stud Pre-P, outside diameter	New
1	131TA1202	Portable Dust Collector	1 HP, 110V, single phase, 8A	New
1	131TA1PR1	15" HD Floor Drill Press	220V, Single Phase, 60 Hz, 8 A, 1 HP	New
1	131TA1101	Thermoplastic Storage Cabinet - Manual Pump Vacuum Chamber		New

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1210 SF

Stor
206E G2
93 SF

EMT CR
206B C1
660 SF

Lab
206 C1
834 SF

Sports Med CR
206A G1
567 SF

Elec
205 G1
97 SF

Office
205C D1
106 SF

Stor
206D G2
202 SF

Staff Dining
204 C1
731 SF

Cust CL
203 G1
106 SF

4
A10.7

Boys
202B F1

Girls
202A F1

4
A10.7

Proj. Room
201A G2
314 SF

LC
LC 2-1 A4
700 SF

10
A8.2H

Stair
S 1-2 E1

3
A6.4A

3
A10.1

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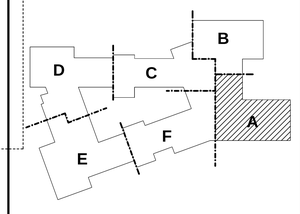

Dover HS / Career Technical Center
Dover, NH
Second Floor - Part A
Furniture/Equipment
SCALE: 1/8"=1'-0" DRAWN BY: PT CHECKED BY: PSC

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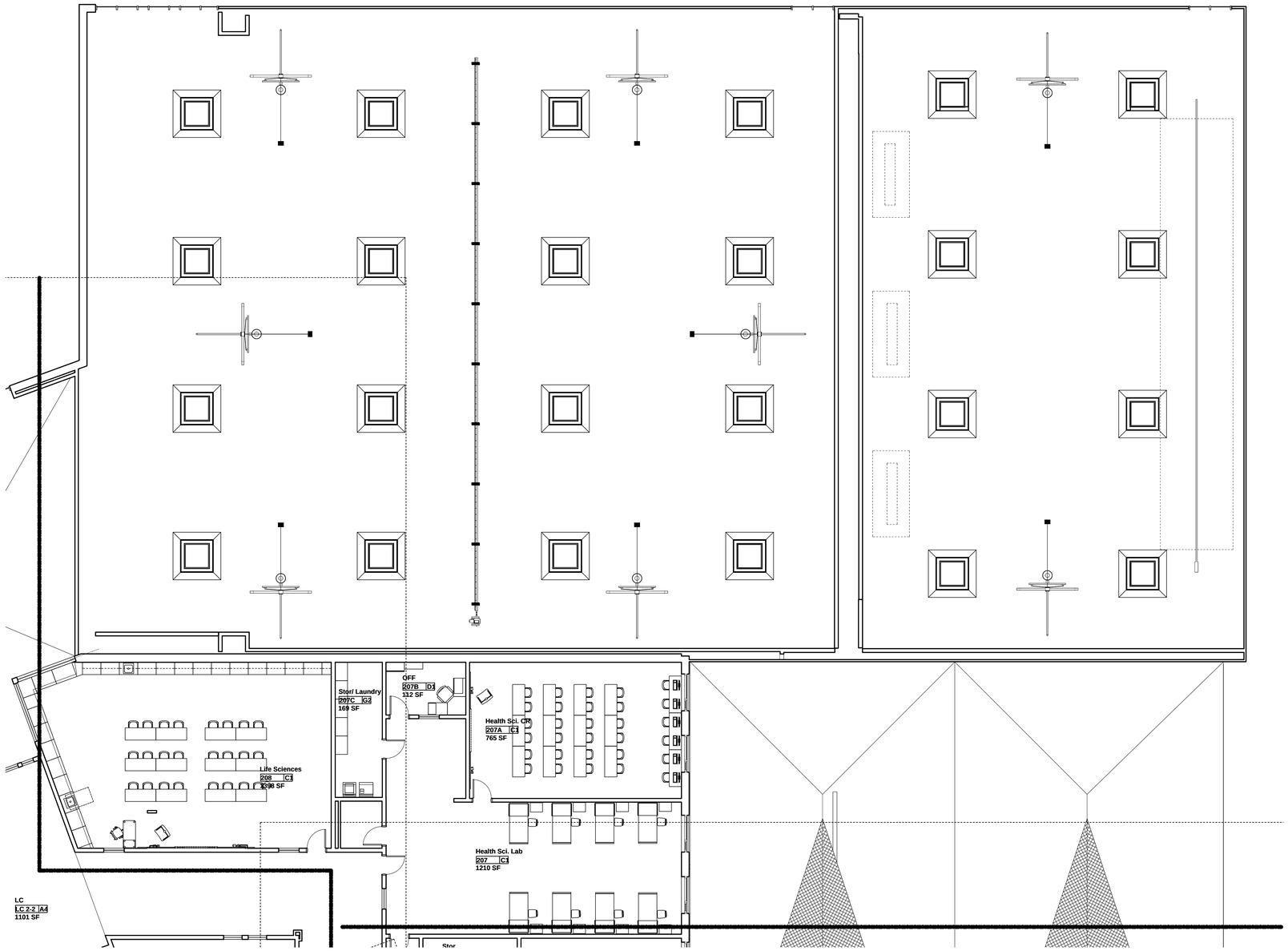

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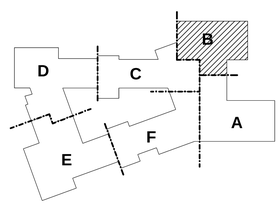

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PLAN NORTH
TRUE NORTH
GRID NORTH

Dover HS / Career Technical Center
Dover, NH
Second Floor - Part B
Furniture/Equipment
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DRAWING NUMBER
A15.2B

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TRUE NORTH
PLAN NORTH

Dover HS / Career Technical Center
Dover, NH
Second Floor - Part C
Furniture/Equipment

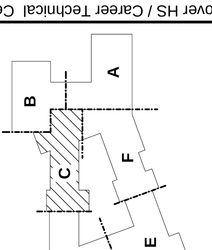
SCALE: 1/8"=1'-0" DRAWN BY: PT CHECKED BY: PSC

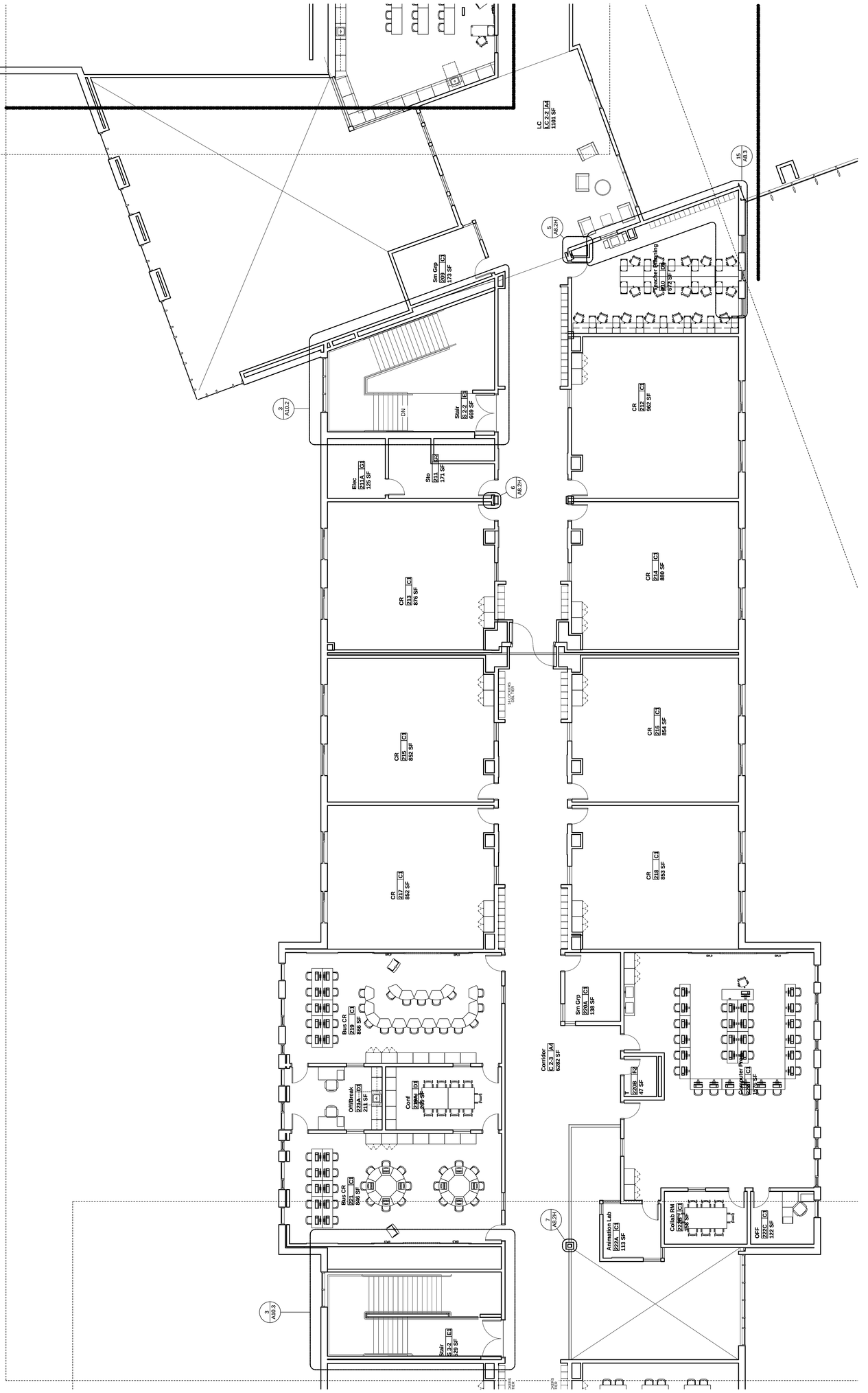
A15.2C

JOB NUMBER 403114

REVISIONS NO.	DATE	REMARKS	BY

KEYPLAN





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Science Prep
231A C1
245 SF
4'-0"

Physical Science
232 C1
1230 SF

Physical Science
231 C1
1259 SF

MOVABLE STUDENT LAB TABLE

LAB SINK 4 3-GAS JETS

LC
LC 2-3 A4
908 SF

Teacher Planning
229 C3
469 SF

CR
227 C1
852 SF

CR
225 C1
854 SF

CR
223 C1
854 SF

3
A10.3

Stair
S 3-2 E1
529 SF

18 LOCKERS DBL TIER

Prep
234C G2
276 SF

Sm Grp
233 A4
196 SF

Bio MED
234 C1
1522 SF

Clean Room
234B C1
267 SF

Clean Room
234A C1
110 SF

Chem Sto
234D C1
206 SF

8
A8.2H

T
230B F2
60 SF

C
230A G1
52 SF

Elec
230E G1
138 SF

Cust
230F G1
57 SF

Boys
230D F1
226 SF

Girls
230C F1
225 SF

1
A11.1

CR
228 C1
852 SF

CR
226 C1
854 SF

CR
224 C1
855 SF

18 LOCKERS DBL TIER

LC
LC 2-5 A4
Redundant Room

Stair
S 4-2 E1
633 SF

2
A10.4

Biology
235 C1
1222 SF

Science Prep
235A C1
222 SF

9
A8.2H

Biology
237 C1
1225 SF

Biology
239 C1
1221 SF

Chemistry
236 C1
1345 SF

Science Prep
236A C1
258 SF

Chemistry
238 C1
1343 SF

4
A6.5C

5
A6.5C

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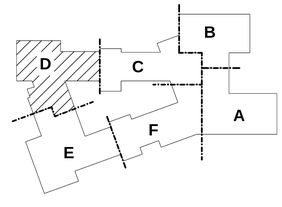
PLAN NORTH
TRUE NORTH

KEYPLAN



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Second Floor - Part D
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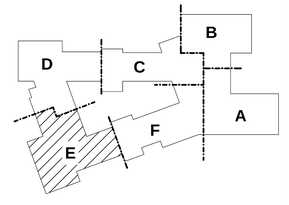

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Dover, NH
Second Floor - Part E
Furniture/Equipment
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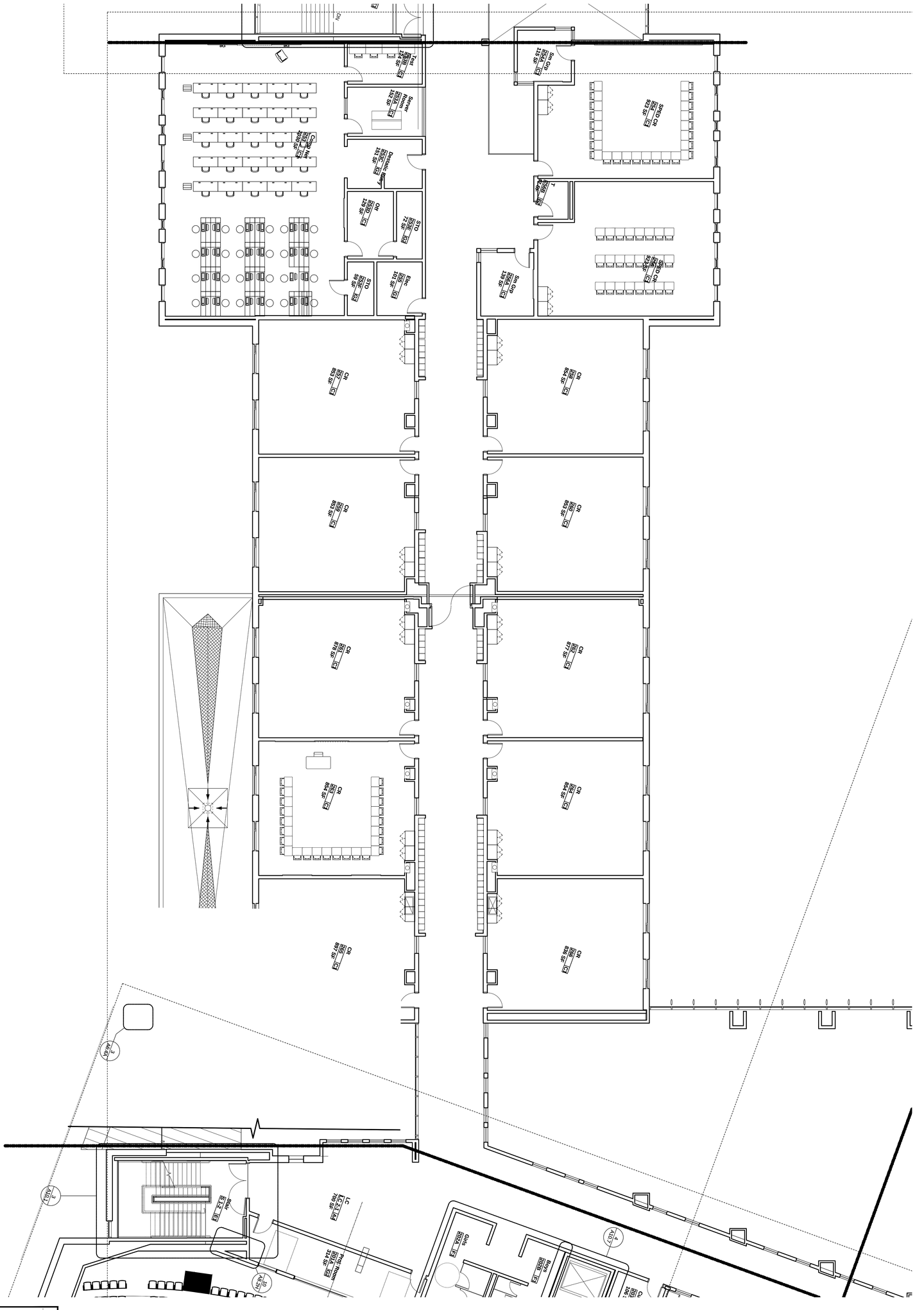
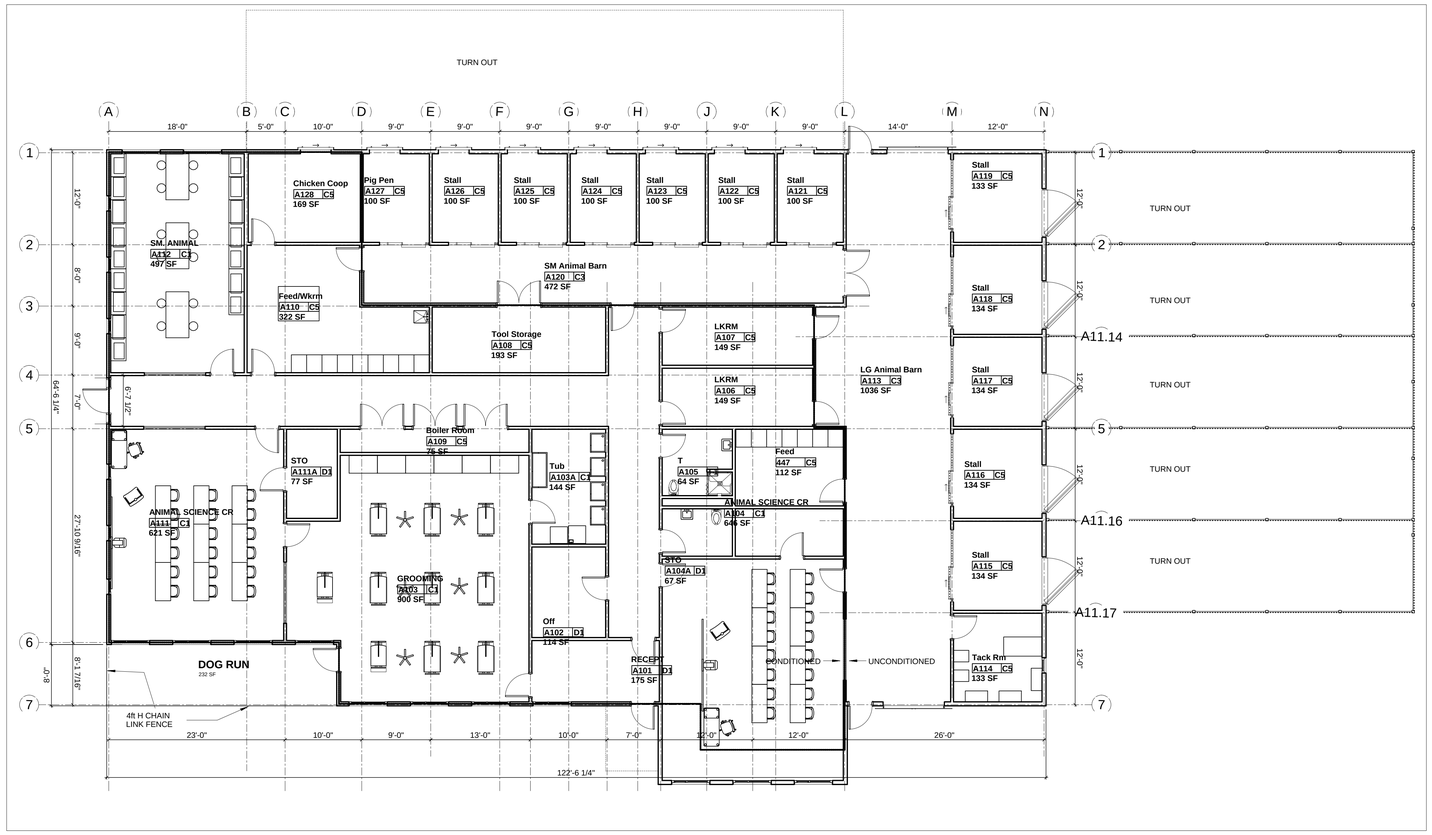

CR 824 SF
CR 824 SF
CR 824 SF



ANIMAL SCIENCE

Qty	Code	Description	MEP Notes	
2	10 AS.CG01	Cage, Drying, 3 Unit	120V AC, 1.4 AMPS per fan.	New
4	10 AS.CG02	Cage, Stainless Steel		New
6	10 AS.DR01	Stand Dryer		New
8	10 AS.GT02	Grooming Table, Electric	110V	New
1	10 AS.LD01	Washer/Extractor	Gas: 120/60/1, 3-prong cord, 15, Electric: 240/60/1, 3-prong cord, 30	New
1	10 AS.LW01	Washer/Extractor	Hot/Cold Water, 120/60/1, 3-prong cord, 15 Amp	New
1	10 AS.TB01	Grooming Tub, Large	Hot/Cold Water	New
4	10 AS.TB02	Grooming Tub, Small	Hot/Cold Water	New
2	10 AS.WD02	Hydraulic Grooming Table		Existing

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PLAN NORTH
TRUE NORTH

Dover HS / Career Technical Center
Dover, NH
Animal Science Furniture/Equipment
SCALE: 1/8"-1'-0" DRAWN BY: PT CHECKED BY: PSC

DRAWING NUMBER
A15.3

JOB NUMBER 403114

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SCHEDULE OF FOODSERVICE EQUIPMENT & CONNECTIONS

Item	Qty	Description	Plumbing	Electrical	Mechanical
1	1	Mop Sink & Faucet (by PC)	1/2" H&CW; Drain in floor		
2	1	Mop Rack/Shelf			
3	1	Detergent Storage Cabinet			
4	1	Stacked Clothes Washer/Dryer	1/2" H&CW; Standpipe W	20 A circuit - 120/1 - C&P; 30 A circuit - 120/208/1 - C&P	
5	1	-spare number-			
6	5	Lockers (by GC)			
7	1	Walk-in Cooler		1.1 KW - 120/1 (lights, temp. monitor/alarm, etc)	
8	1	Walk-in Freezer		1.3 KW - 120/1 (lights, temp. monitor/alarm, etc); 20 A circuit - 120/1 (drain line heat trace)	
9	1	Walk-in Commodity Freezer		1.3 KW - 120/1 (lights, temp. monitor/alarm, etc); 20 A circuit - 120/1 (drain line heat trace)	
10a	1	Cooler Condensing Unit		TBD - 208/3	
10b	1	Cooler Evaporator Coil	1" IW to FD by KEC	TBD - 120/1	
10c	1	Freezer Condensing Unit		TBD - 208/3	
10d	1	Freezer Evaporator Coil	1" IW to FD by KEC	TBD - 208/1	
10e	1	Commodity Freezer Condensing Unit		TBD - 208/3	
10f	1	Commodity Freezer Evaporator Coil	1" IW to FD by KEC	TBD - 208/1	
11	17	Mobile Shelving Unit, Four Tier			
12	4	Mobile Dunnage Rack			
13	20	Dunnage Rack			
14	13	Storage Shelving Unit, Five Tier			
15	1	-spare number-			
16	1	-spare number-			
17	4	Utility Cart			
18	1	Prep Counter with Sinks	1/2" H&CW; (2) 2" IW to FS	(2) 20 A circuit - 120/1 wall mounted DR	
19	1	Wall Shelf			
20	4	Waste Barrel (by Owner)			
21	1	Manual Can Opener			
22	5	Hand Sink	1/2" H&CW; 1-1/2" W		
23	5	Waste Bin (by Owner)			
24	1	-spare number-			
25	1	Food Processor		12 A - 120/1 - C&P (from DR at Item 26)	
26	1	Prep Table with Sink	1/2" H&CW; 2" IW to FS	(2) 20 A circuit - 120/1 mounted DR by KEC	
27	1	Ceiling Mounted Utensil Rack			
28	1	Mobile Work Table			
29	1	-spare number-			
30	1	-spare number-			
31	1	Fill Faucet with Hose	1/2" H&CW		
32	1	Sixty-Quart Mixer		10 A - 208/3	
33	1	Slicer		5 A - 120/1 - C&P	
34	2	Mobile Equipment Stand			
35	1	Twenty-Quart Mixer		8 A - 120/1 - C&P	
36	5	Mobile Pan Rack			
37	1	-spare number-			
38	1	Griddle with Mobile Stand	3/4" G @ 112 MBTU (from Item 46)	1 A - 120/1 - C&P (from Item 46)	
39	1	EXISTING Steamer	3/4" G @ 144 MBTU (from Item 46); 1/2" CW (from Item 46); 1/2" CW (from Item 39a); 1-1/2" IW to FS	(2) 1.25 A - 120/1 (from Item 46)	
39a	1	Water Filter	3/4" CW (from Item 46)		
40	1	Forty-Gallon Kettle	1/2" G @ 115 MBTU (from Item 46); 1/2" H&CW (from Item 46)	5 A - 120/1 - C&P (from Item 46)	
41	1	Forty-Gallon Kettle	1/2" G @ 115 MBTU (from Item 46); 1/2" H&CW (from Item 46)	5 A - 120/1 - C&P (from Item 46)	
42	2	Floor Pan & Grate	3" W conn 7" BFF		
43	1	Grate Top Range with Oven	3/4" G @ 194 MBTU (from Item 46)	0.1 A - 120/1 - C&P (from Item 46)	
44	1	Double Convection Oven	3/4" G @ 100 MBTU (from Item 46)	(2) 8 A - 120/1 - C&P (from Item 46)	
45	1	Exhaust Ventilator		Power to lights from Item 47	TBD
46	1	Utility Distribution System	2" G @ 830 MBTU; 1" H&CW	50 A circuit - 120/208/3	
47	1	Ventilator Demand Control System		20 A circuit - 120/1	
48	1	Fire Suppression System		120/1; J-box for connection to building alarm system & equipment shutdown	
49	1	EXISTING Convection Oven	3/4" G @ 50 MBTU (from Item 46)	6 A - 120/1 - C&P (from Item 46)	
50	1	-spare number-			
51	1	Prep Table with Sink	1/2" H&CW; 2" IW to FS	(2) 20 A circuit - 120/1 mounted DR by KEC	
52	1	Prep Table		(2) 20 A circuit - 120/1 mounted DR by KEC	
53	4	Mobile Work Table			
54	1	Rotating Single Rack Oven	1" G @ 180 MBTU; 1/2" CW; 1/2" IW to FD	15 A - 120/1; Exhaust fan control wiring	EXH 690 CFM thru a 8" diameter vent @ -0.60" SP
55	1	Proofer	1/2" CW; 1/2" IW to FD	18 A - 208/1	
56	2	Mobile Utensil Racks			
57	1	Clean Ware Table			
58	2	Exhaust Ducts			
59	1	Warewasher	3/4" 140°FHW; 1-1/2" IW to FS	131 A - 208/3; Exhaust fan control wiring	EXH 200 & 400 CFM thru (2) 4" x 16" vents @ -0.25" SP
60	1	Disposer	1/2" CW; 2" W	6.6 A - 208/3	
61	1	Hose Reel Assembly	1/2" H&CW		
62	1	Soiled Ware Table	2" IW to FS		
63	1	Roll-down Shutter			
64	1	Wall Shelf			
65	1	Three-Compartment Sink	(2) 3/4" 120°F H&CW; (3) 2" W thru GI by PC		
66	1	-spare number-			
67	1	-spare number-			
68	2	Pass-Thru Hot Food Holding Cabinet		7.8 A - 120/208/1 - C&P	
69	2	Pass-Thru Refrigerator		8.2 A - 120/1 - C&P	
70	1	Storage Shelving Unit, Five Tier			
71	1	Refrigerator, Reach-In			
72	2	Prep Top Refrigerator		12 A - 120/1 - C&P (from DR at Item 74)	
73	1	Food Protector Case			
74	1	Deli Serving Counter		(3) 20 A circuit - 120/1 mounted DR by KEC	
75	1	Signature Cafe Serving Counter		(2) 20 A circuit - 120/1 mounted DR by KEC; 20 A circuit - 208/1 mounted 6-20R by KEC; 20 A circuit - 120/208/1 mounted L14-20R by KEC	
76	1	EXISTING Heated Merchandiser		14.1 A - 120/208/1 - C&P (from NEMA L14-20R at Item 75)	
77	4	Hot Food Wells (mounted in group)	1" IW to FS	4.0 KW - 208/1 (total for group)	
78	1	Convertible Food Protector			
79	1	Conveyor Toaster		15.9 A - 208/1 - C&P (from NEMA 6-20R at Item 75)	
80	1	-spare number-			
81	1	-spare number-			
82	1	Exhaust Ventilator		Power to lights from Item 83	TBD
83	1	Ventilator Demand Control System		20 A circuit - 120/1	
84	1	Fire Suppression System		120/1; J-box for connection to building alarm system & equipment shutdown	
85	1	Four-Burner Hot Plate	3/4" G @ 80 MBTU; QD		
86	1	Vertical Food Protector			
87	1	Pizza Serving Counter		(4) 20 A circuit - 120/1 mounted DR by KEC; (2) 20 A circuit - 208/1 mounted 6-20R by KEC	
88	1	Mechanical Cold Pan	1" IW to FS	6.3 A - 120/1 - C&P (from DR at Item 87)	
89	1	Convertible Food Protector			
90	1	Heated Surface		10.2 A - 120/1 - C&P (from DR at Item 87)	
91	1	Convertible Food Protector with Warmer		1.4 KW - 208/1	
92	1	-spare number-			
93	1	-spare number-			
94	2	EXISTING Refrigerated Grab-n-go Case		13.1 A - 120/208/1	
95	2	Milk Cooler		6.8 A - 120/1 - C&P	

SCHEDULE OF FOODSERVICE EQUIPMENT & CONNECTIONS

Item	Qty	Description	Plumbing	Electrical	Mechanical
96	2	Mobile Cashier Stand			
97	2	Cashier Terminal (by Owner)		120/1 - C&P; Data cable	
98	2	Mobile Condiment Counter			
99	1	-spare number-			
100	1	-spare number-			
101	1	Mop Sink & Faucet (by PC)	1/2" H&CW; Drain in floor		
102	1	Mop Rack/Shelf			
103	1	Stacked Clothes Washer/Dryer	1/2" H&CW; Standpipe W	20 A circuit - 120/1 - C&P; 30 A circuit - 120/208/1 - C&P	
104	1	Detergent Storage Cabinet			
105	1	Water Filter	1/2" CW		
106	1	Ice Maker	3/8" CW from Item 105; 1/2" IW to floor trough	13.8 A - 120/1	
107	1	Ice Bin	3/4" IW to floor trough		
108	1	Floor Pan & Grate	3" W conn 7" BFF		
109	1	-spare number-			
110	1	-spare number-			
111	1	Walk-in Cooler		1.1 KW - 120/1 (lights, temp. monitor/alarm, etc)	
112	1	Walk-in Freezer		1.3 KW - 120/1 (lights, temp. monitor/alarm, etc); 20 A circuit - 120/1 (drain line heat trace)	
113a	1	Cooler Condensing Unit		TBD - 208/3	
113b	1	Cooler Evaporator Coil	1" IW to FD by KEC	TBD - 120/1	
113c	1	Freezer Condensing Unit		TBD - 208/3	
113d	1	Freezer Evaporator Coil	1" IW to FD by KEC	TBD - 208/1	
114	14	Mobile Shelving Unit, Four Tier			
115	10	Storage Shelving Unit, Five Tier			
116	23	Lockers (by GC)			
117	2	Hand Sink	1/2" H&CW; 1-1/2" W		
118	2	Waste Bin (by Owner)			
119	1	White Board (by Owner)		20 A circuit - 120/1 - C&P	
120	1	-spare number-			
121	2	Twenty-Quart Mixer		8 A - 120/1 - C&P	
122	2	Mobile Equipment Stand			
123	1	Wall Shelf			
124	1	Prep Counter with Sinks	1/2" H&CW; (2) 2" IW to FS	(2) 20 A circuit - 120/1 wall mounted DR	
125	2	ADA Compliant Hand Sink	1/2" H&CW; 1-1/2" W		
126	2	Waste Bin (by Owner)			
127	7	Mobile Work Table			
128	2	Utility Cart			
129	1	-spare number-			
130	1	-spare number-			
131	1	Exhaust Ventilator		Power to lights from Item 132	TBD
132	1	Ventilator Demand Control System		20 A circuit - 120/1	
133	1	Fire Suppression System		120/1; J-box for connection to building alarm system & equipment shutdown	
134	8	Four-Burner Range with Oven	3/4" G @ 136 MBTU; QD	0.1 A - 120/1 - C&P	
135	6	Mobile Table			
136	1	Grate Top Range with Convection Oven	1" G @ 220 MBTU (from Item 154)	3.4 A - 120/1 - C&P (from Item 154)	
137	1	Forty-quart Kettle with Drain Cart Stand	1/2" G @ 52 MBTU (from Item 154); 1/2" H&CW (from Item 154); 1-1/2" IW to FS	1 A - 120/1 (from Item 154)	
138	1	Triple Deck Oven	1/2" CW (from Item 138a); 1" IW to FS	54 A - 208/3 (from Item 154)	
138a	1	Water Filter	3/4" CW (from Item 154)		
139	1	-spare number-			
140	1	-spare number-			
141	1	Double Convection Oven	3/4" G @ 100 MBTU (from Item 154)	(2) 8 A - 120/1 - C&P (from Item 154)	
142	1	Combination Oven-Steamer with Stand	3/4" G @ 82 MBTU (from Item 154); 3/4" CW (from Item 142a); 2" IW to FS	15 A - 120/1 - C&P (from Item 154)	
142a	1	Water Filter	3/4" CW (from Item 154)		
143	1	Grate Top Range with Convection Oven	1" G @ 220 MBTU (from Item 154)	3.4 A - 120/1 - C&P	
144	1	Salamander	1/2" G @ 32 MBTU (from Item 154)		
145	1	Underfired Broiler Range	3/4" G @ 76 MBTU (from Item 154)		
146	1	Refrigerated Base		8.9 A - 120/1 - C&P (from Item 154)	
147	1	Grate Top Range	1" G @ 180 MBTU (from Item 154)	1 A - 120/1 - C&P (from Item 154)	
148	1	Griddle Top Range	1" G @ 60 MBTU (from Item 154)	1 A - 120/1 - C&P (from Item 154)	
149	1	Fryer Assembly	1" G @ 160 MBTU (from Item 154)	3.4 A - 120/1 - C&P (from Item 154); 7 A - 120/1 - C&P (from Item 154)	
150	1	-spare number-			
151	1	-spare number-			
152	1	Exhaust Ventilator		Power to lights from Item 155	TBD
153	1	Exhaust Ventilator		Power to lights from Item 155	TBD
154	1	Utility Distribution System	2" G @ 1,182 MBTU; 1" H&CW	100 A circuit - 120/208/3	
155	1	Ventilator Demand Control System		20 A circuit - 120/1	
156	1	Fire Suppression System		120/1; J-box for connection to building alarm system & equipment shutdown	
157	1	Chef's Counter Assembly with Double Overshelf		100 A - 120/208/3	
157a	1	Prep Top Refrigerator		Power from Item 157	
157b	2	Soup Well	1/2" IW to FD	Power from Item 157	
157c	2	Heat Lamp		Power from Item 157	
157d	4	POS Printer (by Owner)		Power from Item 157; Data cable	
157e	1	Hot Food Counter	1/2" HW; 1/2" IW to FD	Power from Item 157	
157f	1	Work Sink	1/2" H&CW; 1-1/2" IW to FS		
157g	1	Heat Lamp		Power from Item 157	
157h	1	Prep Top Refrigerator		Power from Item 157	
157i	1	Prep Top Refrigerator		Power from Item 157	
158	1	ADA Compliant Prep Station with Sink	1/2" H&CW; 2" IW to FS		
159	4	Five-quart Mixer		2.9 A - 120/1 - C&P	
160	1	Wall Mounted Utensil Rack			
161	1	-spare number-			
162	1	-spare number-			
163	3	Mobile Utensil Racks			
164	1	Three Compartment Sink	(2) 3/4" 120°F H&CW; (3) 2" W manifold thru GI by PC		
165	1	Wall Shelf			
166	1	Clean Ware Table			
168	2	Exhaust Ducts			
169	1	Warewasher			EXH 200 & 400 CFM thru (2) 4" x 16" vents @ -0.25" SP
170	1	Soiled Ware Table with Scrap Sink	1/2" H&CW; 2" W		
171	1	Double-sided Rack Shelf			
172	2	Waste Barrel (by Owner)			
173	1	-spare number-			
174	1	-spare number-			
175	1	Mobile Work Table			
176	1	Wall Shelf			
177	1	Reach-In Refrigerator		7 A - 120/1 - C&P	
178	1	Beverage Counter with Sink	(2) 1/2" H&CW; 2" IW to FS	20 A circuit - 120/1 wall mounted DR	
179	1	Coffee Brewer (by Vendor)	3/8" CW	30 A circuit - 120/208/1 (verify)	
180	1	Espresso Machine (by Vendor)	3/8" CW; 3/4" IW to FS	24 A - 208/1 - C&P (verify)	
181	1	Soda Dispenser (by Vendor)			
182	1	Undercounter Soda System (by Vendor)	1/2" CW	20 A circuit - 120/1 - C&P	
183	1	Ice Transport Cart			
184	1	Cashier Terminal (by Owner)		120/1 - C&P; Data cable	
185	1	-spare number-			
186	1	-spare number-			
187	2	Mobile Work Table			
188	1	Demonstration Counter with Mirror			
189	9	Table			
190	1	Host Lectern (by Owner)		20 A circuit - 120/1 - C&P	

Abbreviations used:

A	Amperes	EXH	Exhaust	IW	Indirect waste
AFF	Above finished floor	FD	Floor drain	KEC	Kitchen Equip. Contractor
BFF	Below finished floor	FFD	Funnel floor drain	KW	Kilowatt
BTC	Branch to connection	FHW	Fahrenheit hot water	MBTU	BTU per hour/1000
C&P	Cord & plug provided	FS	Floor sink	MUA	Make-up air
CFM	Cubic feet per minute	G	Gas	PC	Plumbing Contractor
CR	Condensate return	GC	General Contractor	QD	Quick disconnect
CW	Cold water	GI	Grease interceptor	SP	Static pressure (WG)
DFA	Drop from above	HP	Horsepower	SR	Single receptacle
DR	Duplex receptacle	HW	Hot water	SS	Steam supply
EC	Electrical contractor	H&CW	Hot & cold water	W	Waste (direct connection)

Notes: Following apply to all Foodservice Equipment Drawings.
Connections, stub-outs and dimensions shown are to be used for estimating engineering requirements only. No architectural or engineering service is intended or assumed.

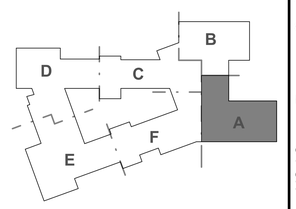
The Kitchen Equipment Contractor shall provide accurate 1/4"=1'-0" stub-outs plans showing exact sizes and locations of all service stubs through walls and/or floors. Services of fixtures shall shall come out of walls whenever possible allowing clearance for traps, valves, switches, and the like.

Traps, drainlines, grease interceptors, shut-off valves and connecting piping shall be provided and installed by the Plumbing Sub-Contractor.

Conduit, junction boxes, outlets, disconnects, and connecting wiring shall be provided and installed by the Electrical Sub-Contractor. Interwiring of refrigeration components and remote controls such as found on a garbage disposer shall be installed by the Electrical Sub-Contractor.

Blowers, ductwork and duct connections shall be provided and installed by the Heating and Ventilation Sub-Contractor. Controls for such systems shall be provided and installed by the specified sub-contractor.

KEYPLAN



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Dover HS / Career Technical Center
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FOODSERVICE EQUIPMENT SCHEDULE
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DRAWING NUMBER
K0.1A

JOB NUMBER 403114

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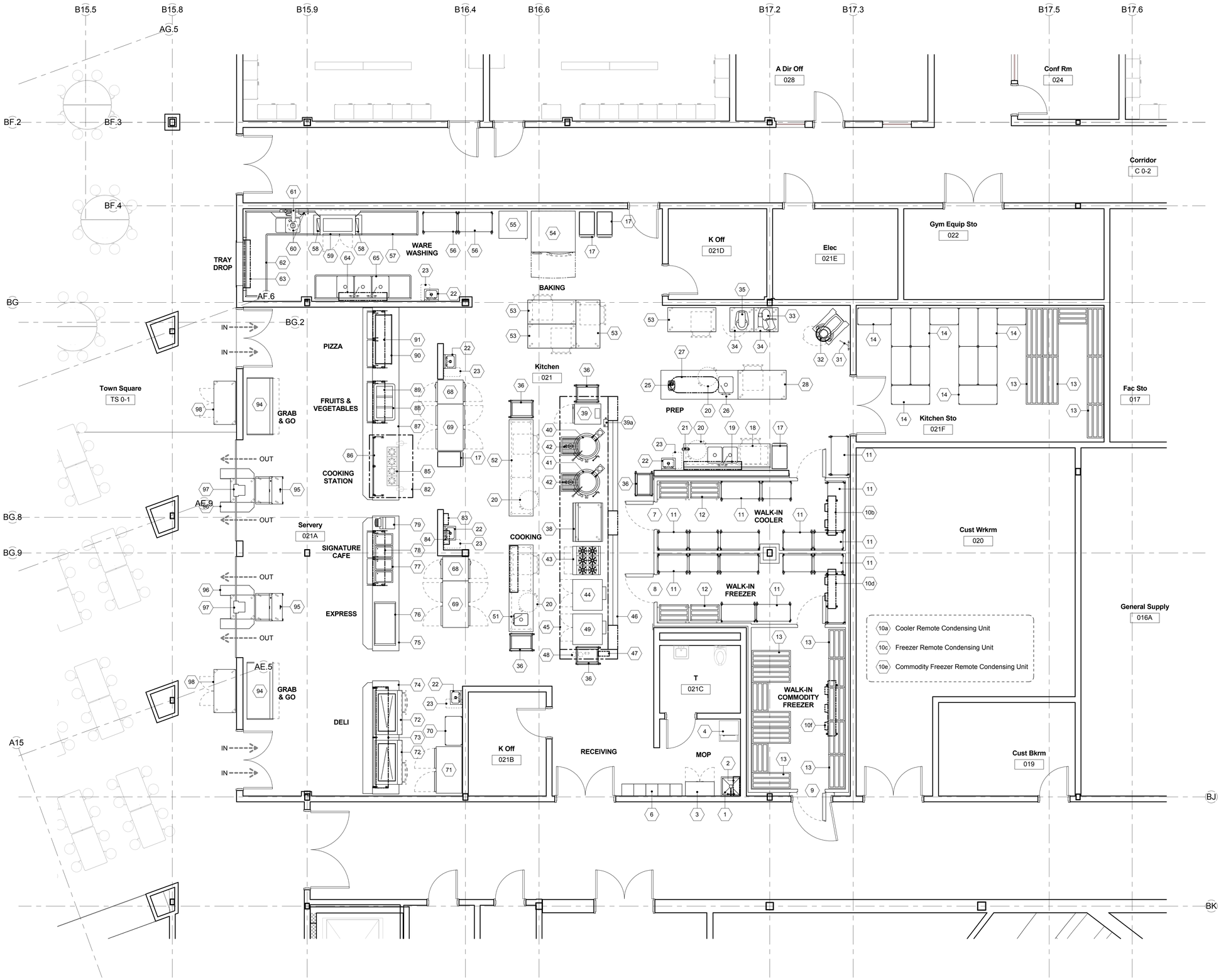

CAFETERIA KITCHEN FOODSERVICE EQUIPMENT PLAN
1/4" = 1'-0"

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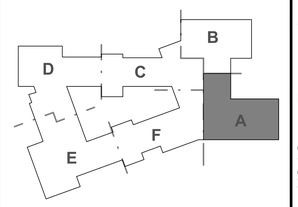

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CAFETERIA KITCHEN FOODSERVICE EQUIPMENT PLAN
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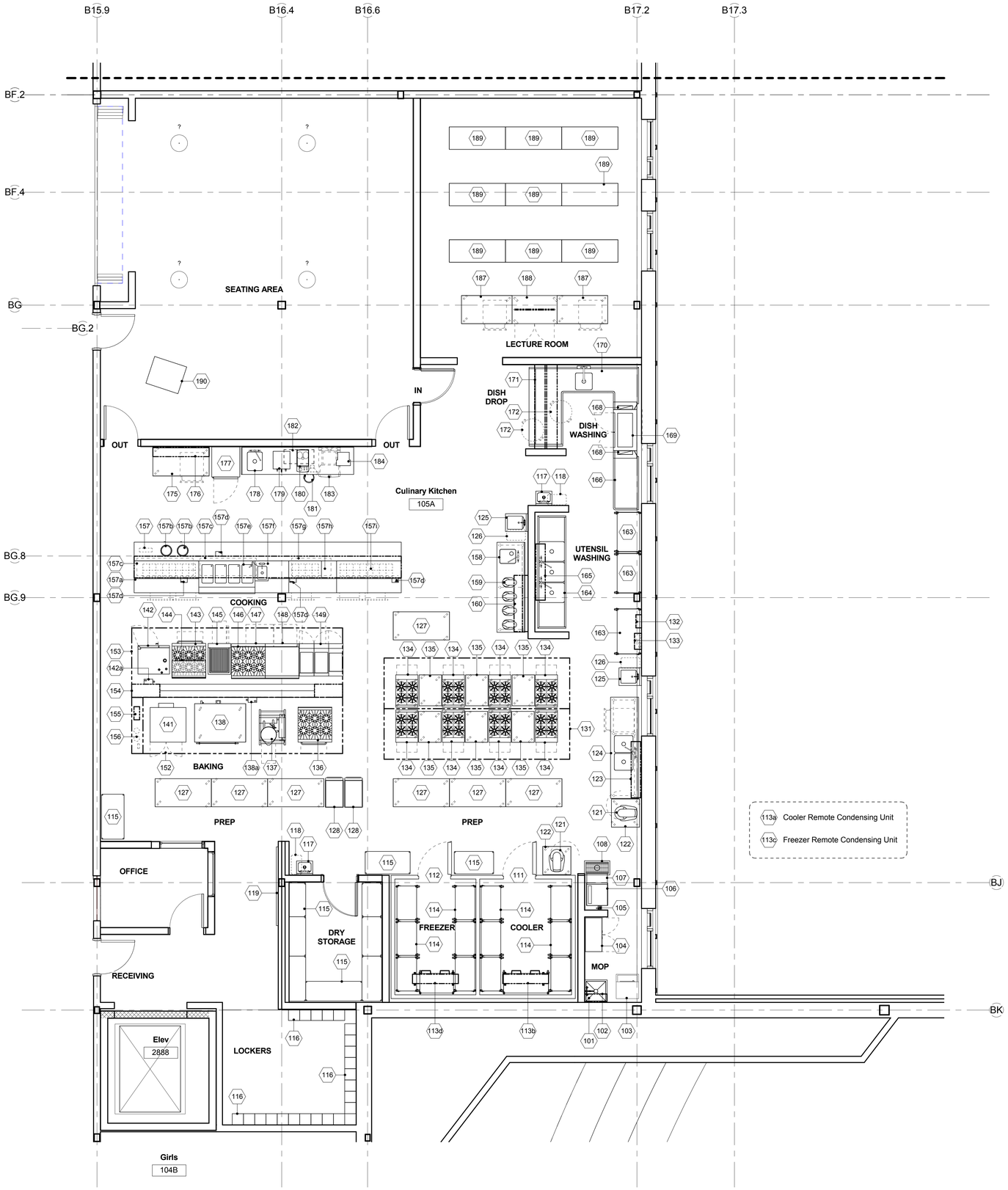
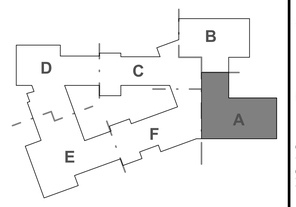


CTC KITCHEN FOODSERVICE EQUIPMENT PLAN

1/4" = 1'-0"

KEYPLAN



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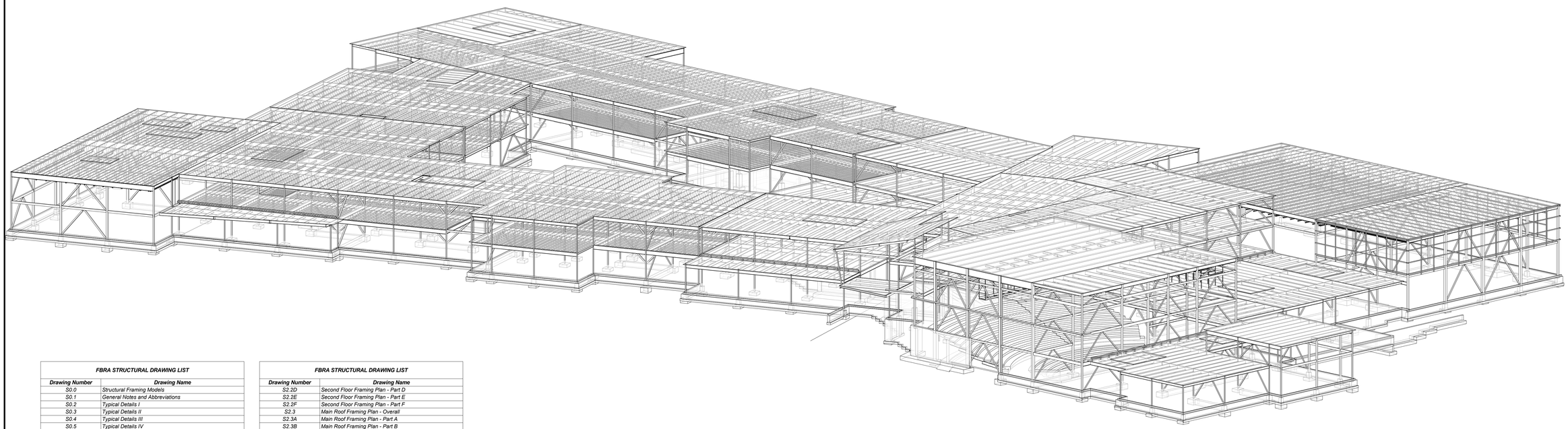
SCHEMATIC FRAMING DIAGRAM

THREE DIMENSIONAL FRAMING DIAGRAM IS SCHEMATIC ONLY.
-REFER TO THE PLANS, SECTIONS AND ELEVATIONS FOR SPECIFIC DETAILS.



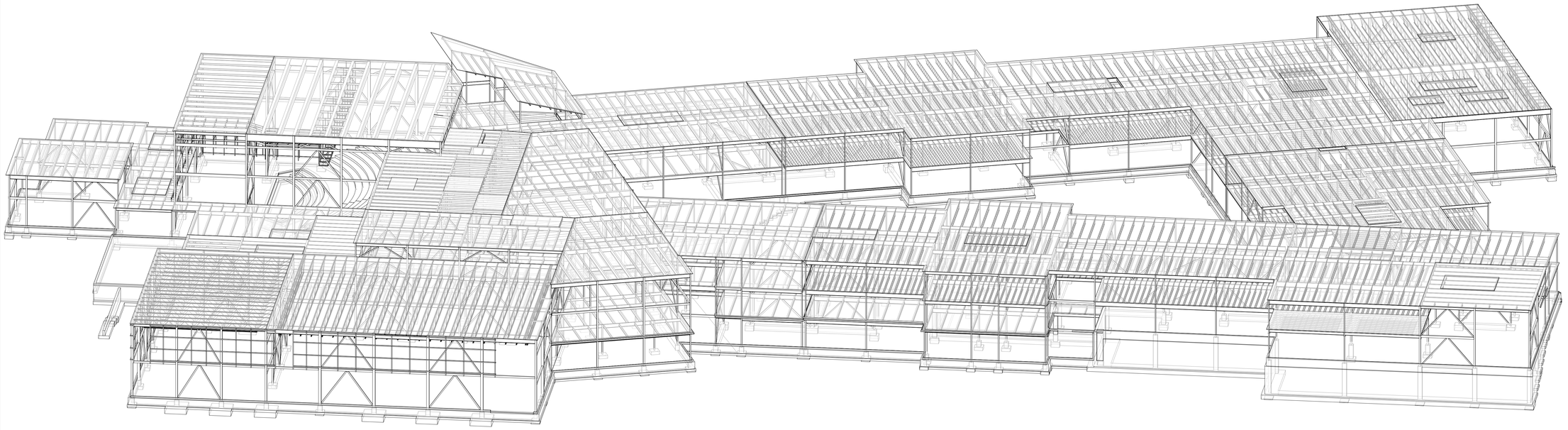
Structural Framing Model (View from Southwest)

FBRA STRUCTURAL DRAWING LIST

Drawing Number	Drawing Name
S0.0	Structural Framing Models
S0.1	General Notes and Abbreviations
S0.2	Typical Details I
S0.3	Typical Details II
S0.4	Typical Details III
S0.5	Typical Details IV
S0.6	Typical Details V
S0.7	Typical Details VI
S0.8	Typical Details VII
S0.9	Typical Details VIII
S0.10	Typical Details IX
S2.0	Ground Level Foundation Plan - Overall
S2.0A	Ground Level/Foundation Plan - Part A
S2.0B	Ground Level/Foundation Plan - Part B
S2.0C	Ground Level/Foundation Plan - Part C
S2.0D	Ground Level/Foundation Plan - Part D
S2.1	First Floor Foundation/Framing Plan - Overall
S2.1A	First Floor Foundation/Framing Plan - Part A
S2.1B	First Floor Foundation/Framing Plan - Part B
S2.1C	First Floor Foundation/Framing Plan - Part C
S2.1D	First Floor Foundation/Framing Plan - Part D
S2.1E	First Floor Foundation/Framing Plan - Part E
S2.1F	First Floor Foundation/Framing Plan - Part F
S2.2	Second Floor Framing Plan - Overall
S2.2A	Second Floor Framing Plan - Part A
S2.2B	Second Floor Framing Plan - Part B
S2.2C	Second Floor Framing Plan - Part C

FBRA STRUCTURAL DRAWING LIST

Drawing Number	Drawing Name
S2.2D	Second Floor Framing Plan - Part D
S2.2E	Second Floor Framing Plan - Part E
S2.2F	Second Floor Framing Plan - Part F
S2.3	Main Roof Framing Plan - Overall
S2.3A	Main Roof Framing Plan - Part A
S2.3B	Main Roof Framing Plan - Part B
S2.3C	Main Roof Framing Plan - Part C
S2.3D	Main Roof Framing Plan - Part D
S2.3E	Main Roof Framing Plan - Part E
S2.3F	Main Roof Framing Plan - Part F
S2.4	High Roof Framing Plan
S2.5	First Floor/Foundation and Framing Plans - Animal Science
S3.1A	Brace Frame Elevations - Part A
S3.1B	Brace Frame Elevations - Part B
S3.1C	Brace Frame Elevations - Part C
S3.1D	Brace Frame Elevations - Part D
S3.1E	Brace Frame Elevations - Part E
S3.1F	Brace Frame Elevations - Part F & AS
S3.2	Brace Frame Details
S3.3	Gymnasium Elevations
S4.1	Foundation Sections I
S4.2	Foundation Sections II
S5.1	Floor Framing Sections I
S5.2	Floor Framing Sections II
S5.3	Roof Framing Sections I
S5.4	Roof Framing Sections II



Structural Framing Model (View from Northeast)

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GENERAL

G1. THE GENERAL NOTES APPLY UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS.

G2. STRUCTURAL WORK SHALL CONFORM TO REQUIREMENTS OF THE "INTERNATIONAL BUILDING CODE" 2009 EDITION AND NEW HAMPSHIRE AMENDMENTS.

G3. THE INTENT OF THE STRUCTURAL DRAWINGS IS TO SHOW THE MAIN STRUCTURAL FEATURES AND DESIGN FOR THE COMPLETED PROJECT. ARCHITECTURAL DETAILS AND OTHER COMPONENTS THAT MAY BE NECESSARY TO CONSTRUCT THE PROJECT ARE SHOWN INCIDENTALLY ONLY AND NOT COMPLETELY.

G4. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, SITE, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS, APPROVED SHOP DRAWINGS, AND SPECIFICATIONS.

G5. REFER TO ARCHITECTURAL, SITE, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR VERIFICATION OF LOCATIONS AND DIMENSIONS OF ALL SHAFTS, INSERTS, CURBS, OPENINGS, SLEEVES, ANCHOR BOLTS, FLOOR PITCHES, ANGLE FRAMES, AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS.

G6. THE CONTRACTOR SHALL INFORM THE ARCHITECT OF ALL DISCREPANCIES BETWEEN DRAWINGS OF DIFFERENT TRADES PRIOR TO INITIATION OF ANY WORK.

G7. EXISTING DIMENSIONS AND CONDITIONS MUST BE VERIFIED OR DETERMINED IN THE FIELD AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE AFFECTED PORTION OF THE WORK.

G8. THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY ENGINEERED TEMPORARY BRACING AND SHORING TO SAFELY SUPPORT THE NEW AND EXISTING WORK AND THE APPLIED LOADS UNTIL THE PERMANENT STRUCTURE IS FULLY INSTALLED AND AT FULL STRENGTH.

G9. SHOP DRAWINGS FOR REINFORCING STEEL, STRUCTURAL STEEL, STEEL JOISTS, AND STEEL DECK SHALL BE SUBMITTED TO THE ARCHITECT AND A STAMPED APPROVAL RECEIVED BEFORE FABRICATION MAY PROCEED. FABRICATION AND ERECTION SHALL PROCEED FROM APPROVED SHOP DRAWINGS ONLY.

G10. NOTES AND DETAILS SHOWN ON ANY STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS, UNLESS NOTED.

G11. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.

STRUCTURAL LOADS - I.B.C. 2009 WITH NEW HAMPSHIRE AMENDMENTS

L1. DEAD LOADS

A.	WEIGHT OF BUILDING COMPONENTS	
	1. FLOOR (FORMDECK/BAR JOISTS)	80 PSF
	2. FLOOR (COMPOSITE STEEL)	105
	3. ROOFS	35 PSF
	4. ROOF AREAS DESIGNED FOR FUTURE PVs	45 PSF
B.	TYPICAL PARTITIONS ALLOWANCE - (I.B.C. - SECTION 1607.5)	15 PSF

L2. SNOW LOADS

A.	GROUND SNOW LOAD - (ERDC/CRREL TR-02-6)	P(g) = 60 PSF
B.	FLAT ROOF SNOW LOAD - (ASCE 7-05 - SECTION 7.3)	P(f) = 46 PSF
C.	SNOW EXPOSURE FACTOR - (ASCE 7-05 - TABLE 7-2)	C(e) = 1.0
D.	SNOW IMPORTANCE FACTOR - (ASCE 7-05 - TABLE 7-4)	I(s) = 1.1
E.	ROOF THERMAL FACTOR - (ASCE 7-05 - TABLE 7-3)	C(t) = 1.0
F.	ROOF SLOPE FACTOR - (ASCE 7-05 - FIGURE 7-2)	C(s) = 1.0
G.	SNOW DRIFT - (ASCE 7-05 - FIGURES 7-7, 7-8 & 7-9)	

L3. LIVE LOADS

A.	LOADS (I.B.C. - TABLE 1607.1)	
	1. CLASSROOMS	70 PSF (INCLUDING PARTITION ALLOWANCE)
	2. OFFICES	70 PSF (INCLUDING PARTITION ALLOWANCE)
	3. CORRIDORS ABOVE THE FIRST FLOOR	80 PSF
	4. LOBBIES AND FIRST FLOOR CORRIDORS	100 PSF
	5. STAIRS	100 PSF
	6. OPEN PLAN AREAS (LIBRARY AND AUDITORIUM LOBBY)	100 PSF
	7. AUDITORIUM SEATING AREAS	60 PSF
	8. MECHANICAL EQUIPMENT ROOMS	150 PSF (100PSF+50PSF EQUIPMENT PADS)
B.	LIVE LOAD REDUCTION (I.B.C. - SECTION 1607.9)	

L4. WIND LOADS - MAIN WIND FORCE RESISTING SYSTEM (MWFRS)

A.	BASIC WIND SPEED (3-SECOND GUST) - TABLE 1604.10	V(3s) = 100 MPH
B.	WIND IMPORTANCE FACTOR - ASCE 7-05 - TABLE 6-1	I(w) = 1.15
C.	WIND EXPOSURE CATEGORY - ASCE 7-05 - TABLE 6.5.6	EXPOSURE C
D.	DIRECTIONALITY FACTOR - ASCE 7-05 - TABLE 6-4	Kd = 0.85
E.	TOPOGRAPHIC FACTOR - ASCE 7-05 - SECTION 6.5.7	Kzt = 1.0
F.	VELOCITY PRESSURE - ASCE 7-05 - SECTION 6.5.10	27 PSF
G.	INTERNAL PRESSURE COEFFICIENTS - ASCE 7-02 - FIGURE 6-5	
	1. TOWARD THE INTERNAL SURFACE	GC(pi) = +0.18
	2. AWAY FROM THE INTERNAL SURFACE	GC(pi) = -0.18
H.	EXTERNAL PRESSURE COEFFICIENTS - ASCE 7-05 - FIGURE 6-10	
	1. WINDWARD	GC(pi) = +0.40
	2. LEEWARD	GC(pi) = -0.29
I.	NET DESIGN MWFRS PRESSURE	29 PSF

L5. WIND LOADS - COMPONENTS AND CLADDING

A.	EXTERNAL PRESSURE COEFFICIENTS - ASCE 7-05 - FIGURE 6-11	
	1. AT WALL NON-SALIENT AREA	GC(p) = +0.90 / -0.99
	2. AT WALL SALIENT AREA	GC(p) = +0.90 / -1.26
	3. AT ROOF NON-SALIENT AREA	GC(p) = +0.30 / -1.00
	4. AT ROOF EDGE AREA	GC(p) = +0.30 / -1.80
	5. AT ROOF CORNER AREA	GC(p) = +0.30 / -2.80
	6. AT ROOF OVERHANG EDGE AREA	GC(p) = -1.70
	7. AT ROOF OVERHANG CORNER AREA	GC(p) = -2.80
B.	NET DESIGN WIND PRESSURE FOR A WALL ELEMENT	
	1. AT WALL NON-SALIENT AREA	Pnet = +30 PSF / -32 PSF
	2. AT WALL SALIENT AREA	Pnet = +30 PSF / -39 PSF
C.	NET DESIGN WIND PRESSURE FOR A ROOF ELEMENT	
	1. AT ROOF NON-SALIENT AREA	Pnet = +13 PSF / -32 PSF
	2. AT ROOF EDGE	Pnet = +13 PSF / -54 PSF
	3. AT ROOF CORNER	Pnet = +13 PSF / -82 PSF
	4. AT OVERHANG EDGE	Pnet = -47 PSF
	5. AT OVERHANG CORNER	Pnet = -77 PSF

L6. SEISMIC LOADS

A.	SEISMIC OCCUPANCY CATEGORY - ASCE 7-05 - TABLE 1-1	OCCUPANCY CATEGORY III
B.	MAPPED SPECTRAL ACCELERATION FOR SHORT PERIODS - MA TABLE 1604.11	S(S) = 0.364g
C.	DESIGN SPECTRAL RESPONSE ACCELERATION FOR SHORT PERIODS	S(DS) = 0.356g
D.	MAPPED SPECTRAL ACCELERATION FOR 1-SECOND PERIOD - MA TABLE 1604.11	S(1) = 0.080g
E.	DESIGN SPECTRAL RESPONSE ACCELERATION FOR 1-SECOND PERIOD	S(D1) = 0.129g
F.	SITE CLASS - REFER TO GEOTECHNICAL REPORT	SITE CLASS D
G.	SEISMIC DESIGN CATEGORY - ASCE 7-05 - TABLES 11.6-1 & 11.6-2	CATEGORY C
H.	BASIC SEISMIC-FORCE-RESISTING SYSTEM - ASCE 7-05 - TABLE 12.2-1	STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
I.	RESPONSE MODIFICATION COEFFICIENT - ASCE 7-05 - TABLE 12.2-1	R = 3.0
J.	DEFLECTION AMPLIFICATION FACTOR - ASCE 7-05 - TABLE 12.2-1	Cd(t) = 3.0
K.	SYSTEM OVERSTRENGTH FACTOR - ASCE 7-05 -TABLE 12.2-1	Ωo = 3.0
L.	SEISMIC IMPORTANCE FACTOR - ASCE 7-05 - TABLE 11.5-1	I(E) = 1.25
M.	DESIGN BASE SHEAR	V = Cs(s)W = [S(DS)]/[R/(I(E))]W = 0.153W
N.	ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE

FOUNDATION (SECTION 310000)

F1. FOUNDATION WORK SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY McPHAIL ASSOCIATES LLC. FILE NO. 5883, DATED NOVEMBER 2, 2015.

F2. THE OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS, SPECIFICATIONS, BORING LOGS, OR TEST PITS. THIS DATA IS INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION AND REPRESENT CONDITIONS ONLY OF THOSE SPECIFIED LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE.

F3. THE CONTRACTOR SHALL INFORM THE ARCHITECT AND RELOCATE, AS REQUIRED, ANY EXISTING UTILITY LINES THAT MAY INTERFERE WITH NEW FOUNDATIONS. THE CONTRACTOR SHALL REMOVE ANY EXISTING UTILITY LINES THAT ARE BEING ABANDONED IN THE VICINITY OF THE NEW FOUNDATION AND BACKFILL THE AREA WITH COMPACTED STRUCTURAL FILL.

F4. THE BOTTOM SURFACE OF ALL SPREAD FOOTINGS SHALL REST ON A 4" THICK LAYER OF COMPACTED CRUSHED STONE OVER UNDISTURBED APPROVED SOIL OR COMPACTED STRUCTURAL FILL WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 2.0 TONS PER SQUARE FOOT. REMOVE ALL ORGANICS, CLAYS, SILTS, OR UNSUITABLE OR UNCOMPACTED FILL MATERIALS FROM BENEATH NEW FOOTINGS AND REPLACE WITH COMPACTED STRUCTURAL FILL.

F5. THE ESTIMATED BOTTOM ELEVATION OF EACH FOOTING IS INDICATED THUS [X'-X"] ON PLAN. THE BOTTOM OF EACH EXTERIOR FOOTING SHALL BE A MINIMUM OF 4'-0" BELOW ADJACENT EXTERIOR FINISH GRADE.

F6. PROVIDE 2" RIGID INSULATION AND A VAPOR BARRIER UNDER INTERIOR CONCRETE SLABS ON GRADE. PROVIDE A 6" MINIMUM THICKNESS OF COMPACTED GRAVEL UNDER FIRST FLOOR SLABS ON GRADE (ELEV. 98'-0"). PROVIDE A 9" MINIMUM THICKNESS OF 3/4" CRUSHED STONE OVER FILTER FABRIC UNDER LOWEST LEVEL SLABS ON GRADE (ELEV. 84'-0"). PERIMETER AND UNDERSLAB DRAINAGE WILL ALSO BE PROVIDED FOR THE LOWEST LEVEL..

F7. BACKFILL UNDER STRUCTURAL SLABS, MATS, AND FOOTINGS SHALL BE ENGINEERED BACKFILL COMPACTED IN SPECIFIED LIFTS TO 95 PERCENT OF MAXIMUM DENSITY, UNLESS OTHERWISE INDICATED OR SPECIFIED. REFER TO GEOTECHNICAL REPORT AND EARTHWORK SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

F8. VERIFY LOCATIONS AND REQUIREMENTS FOR INSERTS, SLEEVES, CONDUITS, EMBEDMENTS, AND PENETRATIONS WITH RESPECTIVE TRADES BEFORE PLACING CONCRETE.

F9. FOUNDATIONS SHALL BE CENTERED UNDER SUPPORTED MEMBERS, UNLESS NOTED OTHERWISE.

F10. DOWELS FROM FOUNDATIONS INTO PIERS, COLUMNS, BUTTRESSES, OR WALLS SHALL BE THE SAME SIZE AND NUMBER AS REINFORCEMENT IN PIERS, COLUMNS, AND BUTTRESSES, OR WALLS ABOVE, UNLESS NOTED OTHERWISE.

F11. NO CONCRETE SHALL BE PLACED UNDER WATER OR ON FROZEN SUBGRADE. PROTECT IN-PLACE FOUNDATIONS AND SLABS FROM FROST PENETRATION UNTIL PROJECT IS COMPLETED.

F12. DO NOT BACK FILL FOUNDATION WALLS UNTIL WALLS HAVE REACHED THEIR 28 DAY STRENGTHS AND FLOOR SLABS AT THE TOP AND BOTTOM OF WALLS ARE IN PLACE AND CURED.

CAST-IN-PLACE CONCRETE (SECTION 033000)

C1. CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318 - 2008/318R - 2008)".

C2. CONCRETE SHALL BE PLACED IN THE PRESENCE OF THE APPROVED TESTING AGENCY.

C3. CONCRETE QUALITY IN ACCORDANCE WITH THE REQUIREMENTS OF THESE DRAWINGS AND SPECIFICATIONS IS ESSENTIAL TO THE STRUCTURAL PERFORMANCE OF THE BUILDING. CONCRETE THAT IS NOT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS WILL NOT BE ACCEPTED.

C4. CONCRETE EXPOSED TO WEATHER SHALL CONTAIN AN AIR ENTRAINMENT ADMIXTURE.

C5. NORMAL WEIGHT CONCRETE SHALL HAVE AN AIR-DRY UNIT WEIGHT OF 145 PCF.

C6. CONCRETE MINIMUM 28-DAY STRENGTH, UNLESS NOTED OTHERWISE, SHALL CONFORM TO FOLLOWING:

A.	FOOTINGS, PIERS, FOUNDATION WALLS, GRADE BEAMS:	3000 PSI (NORMAL WEIGHT)
B.	SLABS ON GRADE + STRUCTURAL SLABS:	4000 PSI (NORMAL WEIGHT)
C.	SITE PAVING:	4500 PSI (NORMAL WEIGHT)

C7. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED BARS. LAP ALL CONTINUOUS BARS A MINIMUM OF 40 DIAMETERS, UNLESS NOTED. PROVIDE MATCHING CORNER AND INTERSECTION BARS.

C8. PROVIDE A MINIMUM OF #4 AT 12" EACH WAY, EACH FACE, FOR ALL WALLS, FOOTINGS, PITS, OR PADS, UNLESS NOTED OTHERWISE.

C9. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 IN FLAT SHEETS. LAP ONE AND ONE-HALF SQUARES AT ALL JOINTS AND TIE AT 3'-0" o.c. AT SLAB ON GRADE, PLACE WELDED WIRE FABRIC ON SLAB BOLSTERS WITH SOIL PLATES SPACED AT 3'-0" o.c. EACH WAY.

C10. PROVIDE REINFORCING STEEL DETAILING, LAP SPLICES, EMBEDMENTS, BAR SUPPORTS, SPACERS, AND ACCESSORIES AS RECOMMENDED IN THE "ACI DETAILING MANUAL 2004". ACCESSORIES, SUCH AS SLAB BOLSTERS AND BEAM AND SLAB CHAIRS IN CONTACT WITH EXPOSED SURFACES, SHALL BE ZINC COATED AND PLASTIC TIPPED.

C11. REINFORCING STEEL DETAILS NOT SHOWN ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH THE "ACI DETAILING MANUAL 2004".

C12. CLEAR CONCRETE COVER FOR REINFORCING BARS OR WELDED WIRE FABRIC SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED:

A.	FOOTINGS:	3"
B.	FOUNDATION WALLS:	1-1/2"
C.	PILASTERS:	1-1/2" TO TIES
D.	PIERS:	1-1/2" TO TIES
E.	INTERIOR SLABS ON GRADE:	MID-DEPTH
F.	EXTERIOR SLABS ON GRADE:	MID-DEPTH
G.	BEAMS:	1-1/2" TO STIRRUPS
H.	STRUCTURAL SLABS:	1" TOP & BOTTOM
I.	TOPPINGS ON METAL DECK:	1" FROM TOP

C13. SET AND TIE ALL REINFORCING STEEL BEFORE PLACING CONCRETE. SETTING DOWELS AND REINFORCING STEEL INTO WET CONCRETE IS PROHIBITED.

C14. NO REINFORCING STEEL SHALL BE CUT OR OMITTED IN THE FIELD BECAUSE OF CONFLICT WITH SLEEVES, DUCT OPENINGS, OR RECESSES. REINFORCING STEEL MAY BE MOVED ASIDE WITHOUT CHANGE IN LEVEL, WITH THE APPROVAL OF THE ARCHITECT.

C15. NO CHASES, RECESS, OPENINGS, OR SLEEVES SHALL BE INSTALLED IN CONCRETE WITHOUT APPROVAL OF THE ARCHITECT.

C16. NO CONDUITS SHALL BE PLACED IN CONCRETE SLABS ON METAL DECK.

C17. KEYS SHALL BE A MINIMUM OF 2" x 4" WITH BEVELED SIDES, UNLESS NOTED OTHERWISE.

C18. DOWELS AND ANCHOR RODS SHALL BE SET BY TEMPLATE. SET EMBEDDED ITEMS FOR CONNECTION OF OTHER WORK ACCURATELY.

C19. HORIZONTAL CONSTRUCTION JOINTS SHALL BE AS INDICATED ON THE DRAWINGS. VERTICAL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ARCHITECT. CONSTRUCTION JOINTS SHALL BE FORMED WITH A STANDARD KEY AND ALL REINFORCING STEEL EXTENDED A MINIMUM OF 40 DIAMETERS, UNLESS NOTED. ALL CONSTRUCTION JOINTS BELOW GRADE SHALL HAVE CONTINUOUS BENTONITE WATERSTOPS.

C20. CONSTRUCTION AND CONTROL JOINT LOCATIONS OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY BE PERMITTED SUBJECT TO THE PRIOR APPROVAL OF THE ARCHITECT. EXPANSION JOINT LOCATIONS ARE MANDATORY AS SHOWN.

C21. SEE ARCHITECTURAL AND SITE DRAWINGS FOR FINISHES, DEPRESSIONS, REGLETS, NOTCHES, AND OTHER ARCHITECTURAL FEATURES.

C22. PROVIDE CONCRETE PADS FOR MECHANICAL EQUIPMENT ACCORDING TO THE REQUIREMENTS OF THE MANUFACTURER AND IN ACCORDANCE WITH THE TYPICAL DETAILS. COORDINATE LOCATIONS WITH M.E.P. WORK.

C23. PROVIDE SEALANT FOR ALL EXPOSED-TO-VIEW CONSTRUCTION JOINTS, CONTROL JOINTS, AND SHEAR KEYS.

C24. EXPOSED EDGES OF CONCRETE ELEMENTS SHALL HAVE A 1-INCH CHAMFER.

C25. NOT ALL OPENINGS THROUGH CONCRETE SLABS AND WALLS ARE SHOWN ON STRUCTURAL DRAWINGS. OPENINGS INDICATED, OR ANY ADDITIONAL OPENINGS OR INSERTS REQUIRED, SHALL BE VERIFIED WITH RESPECTIVE TRADES PRIOR TO PLACING CONCRETE.

C26. FLOOR SLABS SHALL BE PLACED TO THE REQUIRED ELEVATIONS, INCLUDING TOLERANCES FOR FLATNESS AND LEVELNESS. SLAB THICKNESSES INDICATED ARE MINIMUM. QUANTITY OF CONCRETE USED SHALL TAKE INTO ACCOUNT THE DEFLECTIONS OF SUPPORTING STRUCTURAL MEMBERS AND FORMS.

UNIT MASONRY (SECTION 042200)

M1. CONCRETE MASONRY CONSTRUCTION WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS AND COMMENTARY FOR MASONRY STRUCTURES (ACI 530/530R -02)" AND "SPECIFICATIONS FOR MASONRY STRUCTURES AND RELATED COMMENTARIES (ACI 530.1/530.1R -08)". CONCRETE MASONRY WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOW LIFT GROUTING METHOD.

M2. CONCRETE MASONRY STRENGTH (f'm) SHALL NOT BE LESS THAN 1500 PSI WITH SPECIAL INSPECTION.

M3. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, TYPE 1 AND TO NCMA "REQUIREMENTS FOR LOAD BEARING CONCRETE MASONRY". COMPRESSIVE STRENGTH SHALL BE AS REQUIRED FOR SPECIFIED CONCRETE MASONRY STRENGTH (f'm), BUT NOT LESS THAN 1900 PSI FOR THE AVERAGE OF 3 UNITS OR 1700 PSI FOR AN INDIVIDUAL UNIT, BASED ON THE AVERAGE NET AREA.

M4. MORTAR FOR REINFORCED CMU SHALL CONFORM TO ASTM C270, TYPE M OR S, AND HAVE A 28-DAY COMPRESSIVE STRENGTH EQUAL TO THE SPECIFIED CONCRETE MASONRY STRENGTH (f'm), BUT NOT LESS THAN 1800 PSI.

M5. GROUT SHALL CONFORM TO ASTM C476, FINE TYPE, AND HAVE A 28-DAY COMPRESSIVE STRENGTH EQUAL TO THE SPECIFIED CONCRETE MASONRY STRENGTH (f'm), BUT NOT LESS THAN 3000 PSI.

M6. GROUTING SHALL BE LIMITED TO A MAXIMUM WALL HEIGHT OF 5'-4" PER LIFT.

M7. HORIZONTAL JOINT REINFORCEMENT SHALL CONFORM TO ASTM A82, LADDER TYPE, #9 WIRE. PROVIDE PREFABRICATED CORNERS AND TEES.

M8. MINIMUM HORIZONTAL JOINT REINFORCEMENT FOR WALLS AND PARTITIONS SHALL BE #9 WIRE SPACED VERTICALLY AT 16"o.c. AT A MINIMUM, PROVIDE A BOND BEAM, WITH 2-#5 HORIZONTAL AND CONTINUOUS BARS, AT EACH FLOOR LEVEL AND AT THE TOP OF WALL.

M9. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED BARS. LAP ALL CONTINUOUS BARS A MINIMUM OF 48 DIAMETERS.

M10. STAIR AND ELEVATOR SHAFT WALLS SHALL BE FULLY GROUTED SOLID AND IN ADDITION TO HORIZONTAL REINFORCEMENT SHALL BE REINFORCED VERTICALLY WITH A MINIMUM OF #5 BARS AT 32" O.C., UNLESS NOTED.

M11. THE TOP OF CMU WALLS AND PARTITIONS SHALL BE ANCHORED AS SHOWN IN THE TYPICAL DETAILS AND THE SECTIONS.

M12. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED FIRE RATINGS.

STRUCTURAL STEEL FRAMING (SECTION 051200)

S1. STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - 360-05" AND AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES - 2005", AS MODIFIED BY THE SPECIFICATIONS.

S2. WELDING SHALL BE IN ACCORDANCE WITH AWS "D1.1 2006-STRUCTURAL WELDING CODE-STEEL".

S3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED:

A.	PLATES, ANGLES AND CHANNELS	ASTM A36	Fy = 36KSI
B.	STRUCTURAL TUBING	ASTM A500 GRADE C	Fy = 50KSI (SQUARE & RECTANGULAR TUBING), Fy = 42KSI (ROUND TUBING)
C.	ALL OTHER SHAPES	ASTM A992 OR A572 GRADE 50	Fy = 50KSI

S4. CONNECTIONS MAY BE BOLTED OR WELDED, UNLESS SPECIFICALLY NOTED OTHERWISE. CONNECTIONS SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH AISC STANDARDS, USING THE ASD METHOD.

S5. CONNECTIONS SHALL BE WELDED TO CONFORM TO ASTM A233, E70 SERIES, OR BOLTED TO CONFORM TO ASTM A325, TYPE N BOLTS.

S6. PROVIDE 3/4" DIAMETER MINIMUM HEADED TYPE ANCHOR RODS AT COLUMNS AND POSTS, UNLESS NOTED OTHERWISE.

S7. FURNISH AND INSTALL ONE WASHER AND ONE HEAVY HEX NUT WITH ALL ANCHOR RODS, UNLESS NOTED.

S8. SIMPLY SUPPORTED BEAM-TO-BEAM CONNECTIONS SHALL BE DOUBLE ANGLE TYPE IN CONFORMANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION", UNLESS SPECIFICALLY NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.

S9. PROVIDE A 1/4" THICK LEVELING PLATE UNDER EACH COLUMN BASE PLATE FOR USE IN ALIGNING ANCHOR RODS AND BASE PLATES. LEVELING PLATE SHALL BE SET AND GROUTED WITH AN APPROVED NON-SHRINK, NON-METALLIC GROUT. GROUT SHALL HAVE ATTAINED DESIGN STRENGTH BEFORE ERECTION OF COLUMN.

S10. PROVIDE A 1/4" THICK MINIMUM CAP PLATE WELDED AT TOP OF HSS COLUMNS, UNLESS NOTED.

S11. PROVIDE A MINIMUM OF A 3/8" THICK WEB STIFFENER PLATE EACH SIDE OF A BEAM OVER A COLUMN OR AT A BEAM UNDER A COLUMN.

S12. SPLICING STRUCTURAL MEMBERS WHERE NOT DETAILED ON DRAWINGS IS PROHIBITED WITHOUT PRIOR APPROVAL OF ARCHITECT.

S13. STRUCTURAL STEEL EXPOSED TO THE WEATHER IN THE FINISHED PROJECT SHALL BE HOT DIP GALVANIZED TO CONFORM TO ASTM A123.

S14 STRUCTURAL STEEL EXPOSED TO VIEW IN THE COMPLETED PROJECT SHALL BE EXPOSED TO VIEW STRUCTURAL STEEL (E.V.S.S.). REFER TO THE SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.

S15 REFER TO THE SPECIFICATION FOR PAINTING AND SURFACE PREPARATION REQUIREMENTS.

S16 THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE NEW STRUCTURE FOR WIND AND CONSTRUCTION LOADS. TEMPORARY SUPPORTS SHALL REMAIN IN PLACE UNTIL ALL ELEMENTS REQUIRED FOR STABILITY OF THE STEEL FRAME ARE COMPLETED.

STEEL JOIST FRAMING (SECTION 052100)

J1. STEEL JOIST WORK SHALL CONFORM TO THE LATEST EDITION OF SJI "STANDARD SPECIFICATIONS, LOAD TABLES, AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS".

J2. PROVIDE BOTTOM CHORD EXTENSIONS WITH SLIP CONNECTIONS AT COLUMNS FOR LATERAL STABILITY.

J3. PROVIDE TOP AND BOTTOM CHORD EXTENSIONS AND CEILING EXTENSIONS AS INDICATED ON THE DRAWINGS.

J4. SUSPENDED LOADS SHALL BE LOCATED AT THE TOP CHORD PANEL POINT OF JOIST. SUBMIT MANUFACTURER'S WEIGHT DATA AND UNIT LOCATION FOR APPROVAL OF THE ARCHITECT PRIOR TO PROCEEDING.

J5. OPEN WEB STEEL JOISTS (K-SERIES) SHALL BE WELDED TO SUPPORTING STRUCTURAL STEEL WITH A 3/16" MINIMUM FILLET WELD, 2 1/2" MINIMUM LENGTH, EACH SIDE OF JOIST SEAT.

J6. DEEP LONGSPAN STEEL JOISTS (DLH-SERIES) SHALL BE WELDED TO SUPPORTING STRUCTURAL STEEL WITH A 1/4" MINIMUM FILLET WELD, 3" MINIMUM LENGTH, EACH SIDE OF JOIST SEAT.

J7. INSTALL BOLTED TIE JOISTS ON ALL COLUMN LINES. TIE JOISTS TO BE WELDED WITH THE WELDS MENTIONED ABOVE AFTER BUILDING HAS BEEN PLUMBED.

J8. BRIDGING SHALL BE IN ACCORDANCE WITH THE SJI STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE ON THE DRAWINGS. BOTTOM CHORD BRIDGING SHALL BE PROVIDED AT THE FIRST BOTTOM CHORD PANEL OF ROOF STEEL JOISTS.

J9. ROOF STEEL JOISTS SHALL BE DESIGNED FOR A NET UPLIFT OF XX POUNDS PER SQUARE FOOT AT INTERIOR ROOF ZONES AND XX POUNDS PER SQUARE FOOT AT EXTERIOR ROOF ZONES.

J10. ALL JOISTS SHALL BE CAMBERED WITH A STANDARD CAMBER IN ACCORDANCE WITH THE SJI STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE DRAWINGS.

J11. STEEL JOISTS SHALL HAVE PARALLEL CHORDS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

J12. STEEL JOISTS SHALL EXTEND A MINIMUM OF 1" BEYOND THE CENTER OF THE SUPPORTING STRUCTURAL STEEL BEAM, UNLESS NOTED.

SHEAR CONNECTORS (SECTION 051226)

SC1. SHEAR CONNECTORS SHALL BE HEADED STUDS CONFORMING TO ASTM A108, GRADES 1010, 1015, OR 1020.

SC2. SHEAR CONNECTORS SHALL BE 3/4" DIAMETER WITH A LENGTH EQUAL TO TOTAL SLAB THICKNESS MINUS 1 1/2 INCHES. THE NUMBER OF SHEAR CONNECTORS REQUIRED PER BEAM IS INDICATED THUS [X] ON THE DRAWINGS. INSTALL CONNECTORS UNIFORMLY ALONG THE LENGTH OF THE BEAM UNLESS NOTED. INSTALL AT LEAST ONE CONNECTOR PER FOOT OF BEAM LENGTH ON ALL BEAMS SUPPORTING CONCRETE SLABS.

STEEL DECK (SECTION 053100)

D1. STEEL DECK WORK SHALL CONFORM TO "SPECIFICATION FOR DESIGN OF LIGHT GAUGE COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI)", "STEEL DECK INSTITUTE DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, AND ROOF DECKS", "STRUCTURAL STEEL WELDING CODE - STEEL (AWS D1.1)"; AND "STRUCTURAL WELDING CODE - SHEET STEEL (AWS D1.3)".

D2. METAL FLOOR FORMS SHALL BE MADE FROM STEEL CONFORMING TO ASTM A653 - GRADE 80 (Fy = 80 KSI) AND GALVANIZED IN ACCORDANCE WITH ASTM A653, COATING CLASS G60. FORM TYPE, DEPTH, AND GAUGE SHALL BE AS NOTED ON THE DRAWINGS.

D3. COMPOSITE STEEL FLOOR DECK SHALL BE MADE FROM STEEL CONFORMING TO ASTM A653 - MINIMUM GRADE 40 (Fy = 40 KSI) AND GALVANIZED IN ACCORDANCE WITH ASTM A653, COATING CLASS G60. COMPOSITE STEEL FLOOR DECK TYPE, DEPTH, AND GAUGE SHALL BE AS NOTED ON THE DRAWINGS.

D4. STEEL ROOF DECK SHALL BE MADE FROM STEEL CONFORMING TO ASTM A653 - GRADE 33 (Fy = 33 KSI) AND GALVANIZED IN ACCORDANCE WITH ASTM A653, COATING CLASS G60. STEEL ROOF DECK TYPE, DEPTH, AND GAUGE SHALL BE AS NOTED ON THE DRAWINGS.

D5. PROVIDE CONTINUOUS POUR STOP ANGLES WITH RETURN LIP AT BUILDING PERIMETER AND AT INTERIOR OPENINGS. REFER TO THE SCHEDULE FOR GAUGE.

D6. METAL FLOOR FORMS SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE WITH THE FOLLOWING MINIMUM REQUIREMENTS:

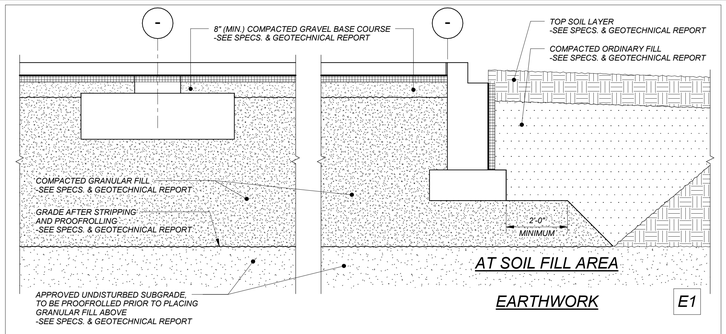
A.	PANEL ENDS AND END LAPS	5/8"Ø PUDDLE WELD AT 15" o.c.
B.	INTERMEDIATE SUPPORTS	5/8"Ø PUDDLE WELD AT 15" o.c.
C.	LONGITUDINAL EDGES OF SIDE SUPPORTS	5/8"Ø PUDDLE WELD AT 12" o.c.

D7. COMPOSITE STEEL FLOOR DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE WITH THE FOLLOWING MINIMUM REQUIREMENTS:

A.	PANEL ENDS AND END LAPS	5/8"Ø PUDDLE WELD AT 12"o.c. MAX.
B.	INTERMEDIATE SUPPORTS	5/8"Ø PUDDLE WELD AT 12"o.c. MAX.
C.	LONGITUDINAL EDGES AT SIDE SUPPORTS	5/8"Ø PUDDLE WELD AT 12"o.c. MAX.
D.	SIDE LAPS OF ADJACENT UNITS	BUTTON PUNCHED AT 24"o.c. MAX.

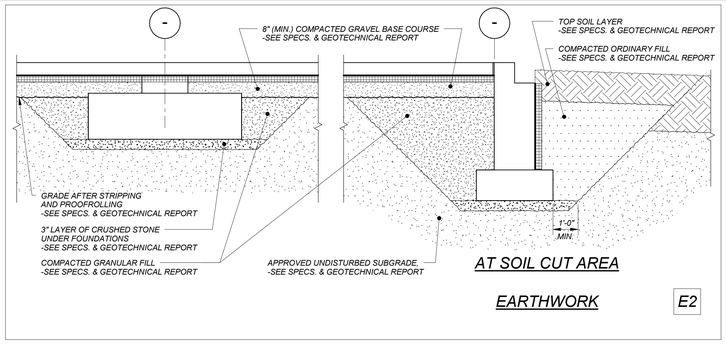
D8. STEEL ROOF DECK SHALL BE ATTACHED TO THE SUPPORTING STRUCTURE WITH THE FOLLOWING MINIMUM REQUIREMENTS:

A.	PANEL ENDS AND END LAPS	5/8"Ø PUDDLE WELD AT EACH R



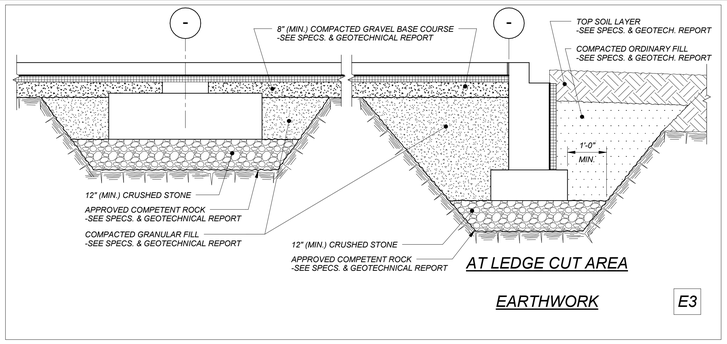
AT SOIL FILL AREA

EARTHWORK E1



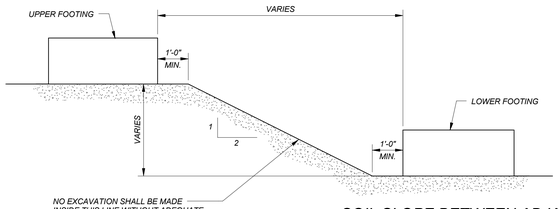
AT SOIL CUT AREA

EARTHWORK E2



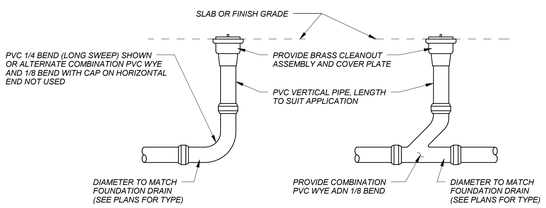
AT LEDGE CUT AREA

EARTHWORK E3



SOIL SLOPE BETWEEN ADJACENT FOOTINGS

EARTHWORK E4

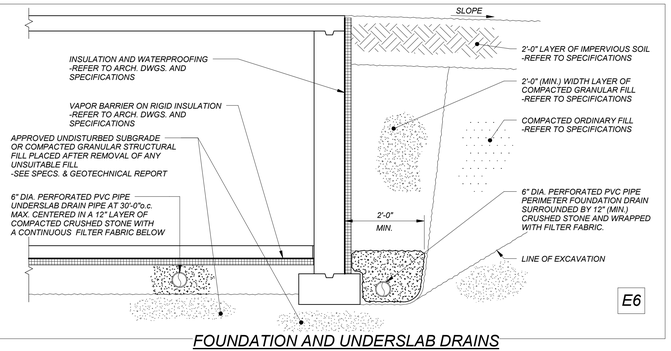


NOTES:

1. GENERAL CONTRACTOR SHALL PROVIDE THE NECESSARY BRACING FOR THE CORRECT PLACEMENT AND TO PREVENT DAMAGE OF THE FOUNDATION DRAIN AND CLEANOUT SYSTEM.
2. PIPING AND CLEANOUT MATERIALS SHALL MATCH MATERIALS OF FOUNDATION DRAIN UNLESS NOTED OTHERWISE.

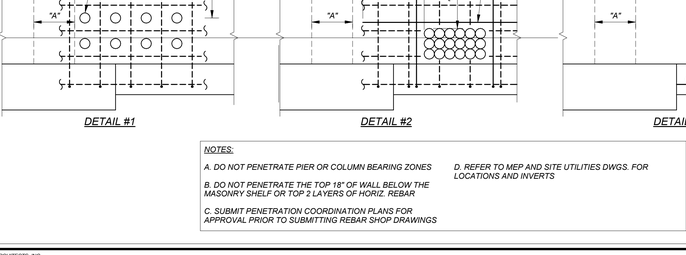
FOUNDATION DRAIN CLEANOUT

EARTHWORK E5



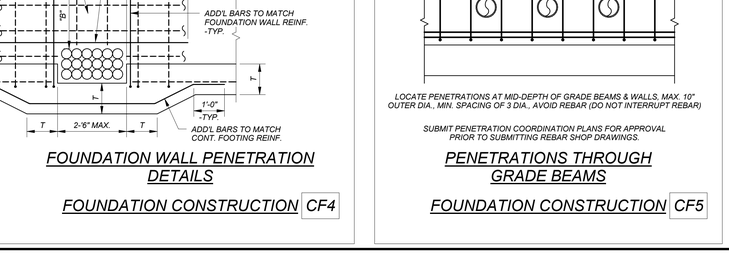
FOUNDATION AND UNDERSLAB DRAINS

E6



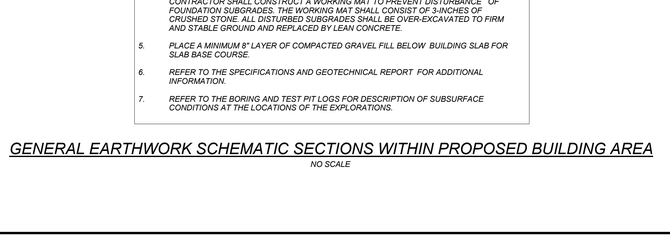
AGGREGATE PIER SYSTEM

EARTHWORK E7



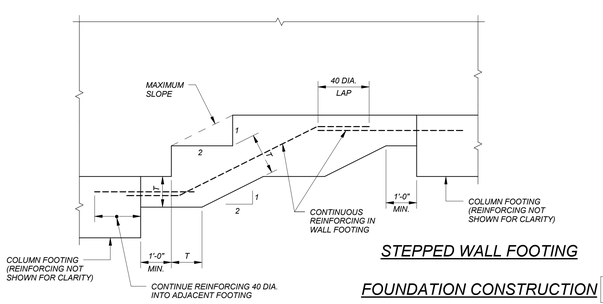
AGGREGATE PIER SYSTEM RECONSTRUCTION

EARTHWORK E8



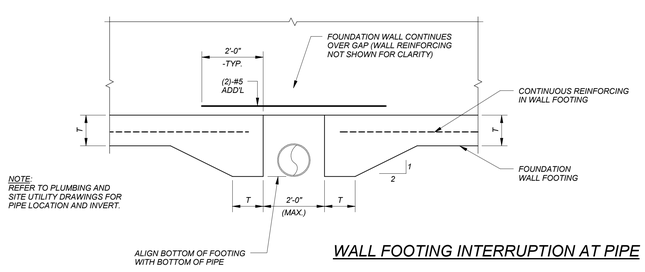
FOUNDATION AND UNDERSLAB DRAINS

E6



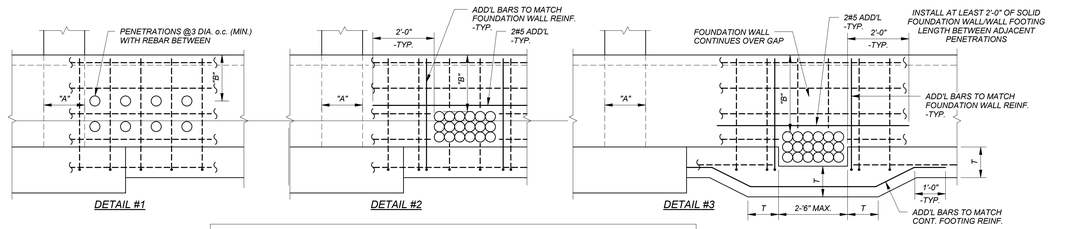
STEPPED WALL FOOTING

FOUNDATION CONSTRUCTION CF1



WALL FOOTING INTERRUPTION AT PIPE

FOUNDATION CONSTRUCTION CF2



NOTES:

A. DO NOT PENETRATE PIER OR COLUMN BEARING ZONES

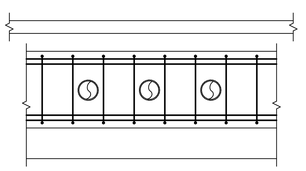
B. DO NOT PENETRATE THE TOP 18" OF WALL BELOW THE MASONRY SHELF OR TOP 2 LAYERS OF HORIZ. REBAR

C. SUBMIT PENETRATION COORDINATION PLANS FOR APPROVAL PRIOR TO SUBMITTING REBAR SHOP DRAWINGS

D. REFER TO MEP AND SITE UTILITIES DWGS. FOR LOCATIONS AND INVERTS

FOUNDATION WALL PENETRATION DETAILS

FOUNDATION CONSTRUCTION CF4



LOCATE PENETRATIONS AT MID-DEPTH OF GRADE BEAMS & WALLS, MAX. 10" OUTER DIA., MIN. SPACING OF 3 DIA., AVOID REBAR (DO NOT INTERRUPT REBAR)

SUBMIT PENETRATION COORDINATION PLANS FOR APPROVAL PRIOR TO SUBMITTING REBAR SHOP DRAWINGS.

PENETRATIONS THROUGH GRADE BEAMS

FOUNDATION CONSTRUCTION CF5

THESE SOIL PROFILE DIAGRAMS, THAT ARE PROVIDED AS A GUIDE, ARE AN ADAPTATION OF THE GEOTECHNICAL DATA INCLUDED IN THE XXXX XX, XXXX REPORT PREPARED BY XXXX, INC. FILE NO. XXXXX AND SHOULD BE VERIFIED BY THE CONTRACTOR. ACTUAL CONDITIONS MAY VARY.

EARTHWORK NOTES: (ALL SECTIONS)

1. REMOVE ALL VEGETATION, TOPSOIL, SUBSOIL, AND EXISTING FILL TO TOP OF UNDISTURBED GLACIAL TILL OR LEDGE FROM BELOW PROPOSED BUILDING AREA (WITH PROJECTIONS AS SHOWN ABOVE) AND AS INDICATED IN THE SPECIFICATIONS.
2. PROOFROLL/COMPACT EXISTING SUBGRADE PRIOR TO THE PLACEMENT OF BACKFILL AND/OR FOOTING CONSTRUCTION. PLACE COMPACTED GRANULAR FILL AS SPECIFIED IN THE SPECIFICATIONS WITHIN THE PROPOSED BUILDING AREA (WITH PROJECTIONS SHOWN ABOVE), UP TO THE BOTTOM OF THE PROPOSED SLAB BASE COURSE LEVEL.
3. WHERE BEDROCK/FRACTURED-ROCK/LARGE BOULDER(S) ARE ENCOUNTERED AT THE BOTTOM OF FOUNDATION LEVELS, REMOVE THE BEDROCK/BOULDER TO AT LEAST ONE FOOT BELOW THE BOTTOM OF FOUNDATIONS AND REPLACE IT WITH COMPACTED CRUSHED STONE.
4. WHERE SILTY/CLAYEY SOILS ARE ENCOUNTERED AT FOUNDATION SUBGRADE, THE CONTRACTOR SHALL CONSTRUCT A WORKING MAT TO PREVENT DISTURBANCE OF FOUNDATION SUBGRADES. THE WORKING MAT SHALL CONSIST OF 3-INCHES OF CRUSHED STONE. ALL DISTURBED SUBGRADES SHALL BE OVER-EXCAVATED TO FIRM AND STABLE GROUND AND REPLACED BY LEAN CONCRETE.
5. PLACE A MINIMUM 8" LAYER OF COMPACTED GRAVEL FILL BELOW BUILDING SLAB FOR SLAB BASE COURSE.
6. REFER TO THE SPECIFICATIONS AND GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
7. REFER TO THE BORING AND TEST PIT LOGS FOR DESCRIPTION OF SUBSURFACE CONDITIONS AT THE LOCATIONS OF THE EXPLORATIONS.

GENERAL EARTHWORK SCHEMATIC SECTIONS WITHIN PROPOSED BUILDING AREA

NO SCALE

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SCALE: As indicated

DRAWING NUMBER
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JOB NUMBER 403114

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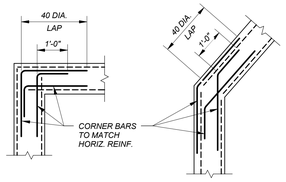
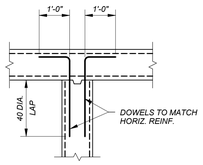


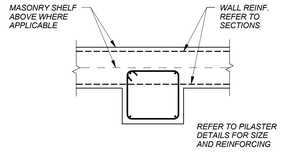
CORNER

CONCRETE WALLS CW1



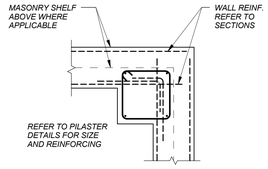
INTERSECTION

CONCRETE WALLS CW2



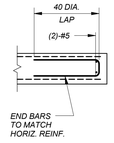
EDGE PILASTER

CONCRETE WALLS CW3



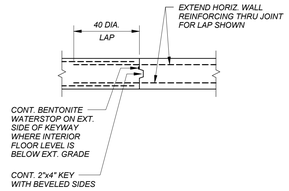
CORNER PILASTER

CONCRETE WALLS CW4



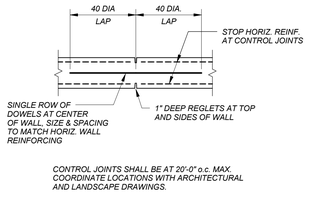
END

CONCRETE WALLS CW5



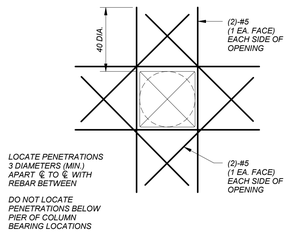
CONSTRUCTION JOINT

CONCRETE WALLS CW6



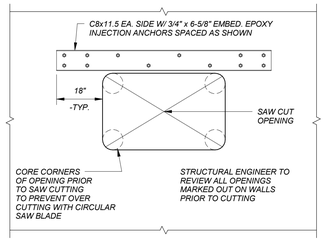
CONTROL JOINT AT SITE WALLS ONLY

CONCRETE WALLS CW7



PENETRATIONS

CONCRETE WALLS CW8



WALL PENETRATION CUTTING

CONCRETE WALLS CW9

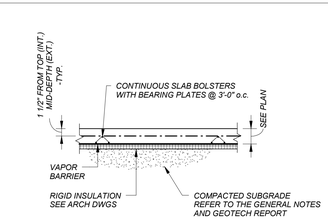
WALL THICKNESS	NO. OF ROWS EACH WAY	HORIZONTAL REINF.	VERTICAL REINF.
6" TO 8"	1	#4 @ 9"	#4 @ 9"
9" TO 11"	2	#4 @ 12"	#4 @ 12"
12" TO 14"	2	#4 @ 12"	#4 @ 12"
15" TO 17"	2	#5 @ 12"	#4 @ 12"
18" TO 20"	2	#5 @ 12"	#4 @ 12"

NOTES:

1. WALLS OF FRACTIONAL THICKNESS SHALL BE ROUNDED OFF TO THE NEXT HIGHEST THICKNESS.
2. WALL THICKNESSES NOT SHOWN SHALL BE A MULTIPLE OF THOSE INDICATED.

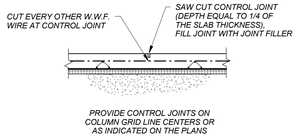
MINIMUM WALL REINFORCING

CONCRETE WALLS CW10



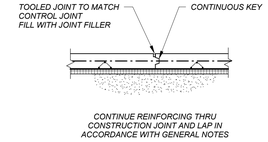
GENERAL CONSTRUCTION

SLAB ON GRADE CS1



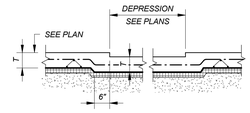
CONTROL JOINT

SLAB ON GRADE CS2



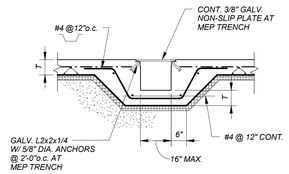
CONSTRUCTION JOINT

SLAB ON GRADE CS3



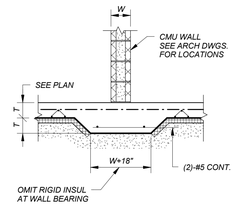
DEPRESSION

SLAB ON GRADE CS4



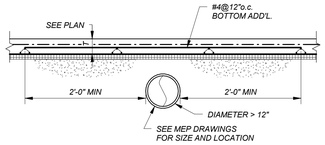
TRENCH DRAIN

SLAB ON GRADE CS5



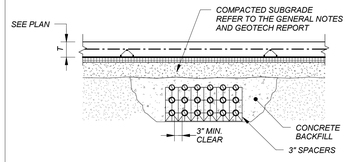
AT NON-BEARING CMU WALL

SLAB ON GRADE CS6



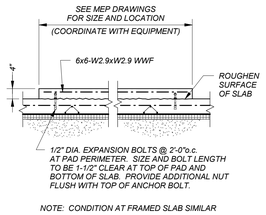
OVER BURIED M.E.P.

SLAB ON GRADE CS8



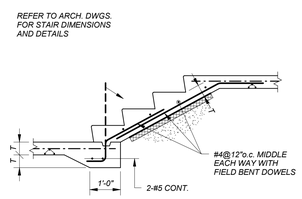
EMBEDDED CONDUIT

SLAB ON GRADE CS9



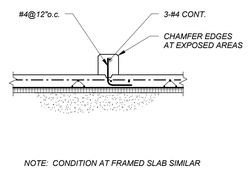
HOUSEKEEPING PAD

SLAB ON GRADE CS11



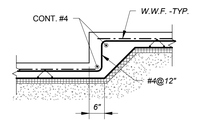
STAIR

SLAB ON GRADE CS12



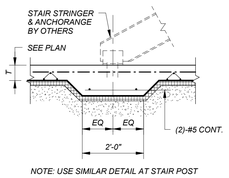
CURB

SLAB ON GRADE CS13



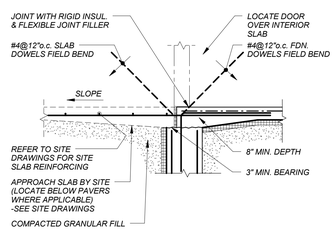
SLAB STEP DETAIL

SLAB ON GRADE CS23



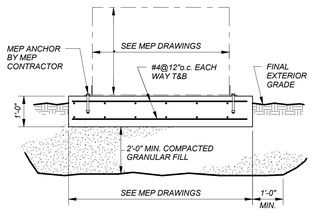
STAIR BEARING

SLAB ON GRADE CS7



APPROACH SLAB

SLAB ON GRADE CS14



EQUIPMENT PAD

SLAB ON GRADE CS15

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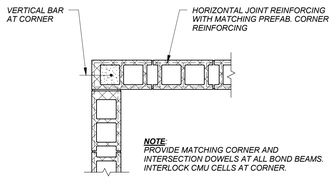
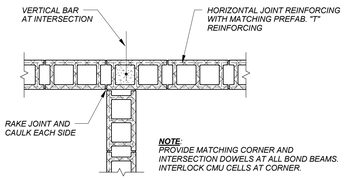


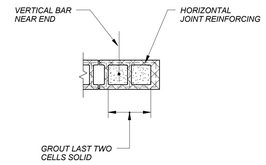
CMU WALL CORNER

MASONRY CONSTRUCTION M3



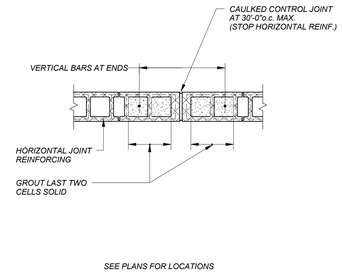
CMU WALL INTERSECTION

MASONRY CONSTRUCTION M4



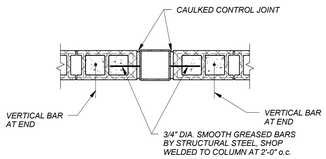
CMU WALL END AND JAMB

MASONRY CONSTRUCTION M5



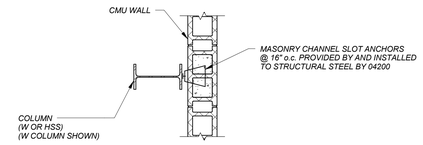
CMU WALL CONTROL JOINT

MASONRY CONSTRUCTION M6



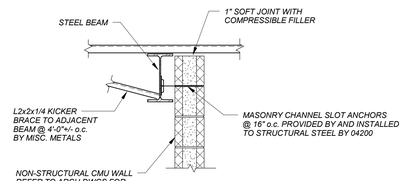
CMU WALL TO COLUMN SLIP CONNECTION

MASONRY CONSTRUCTION M7



CMU WALL ANCHORAGE TO COLUMN

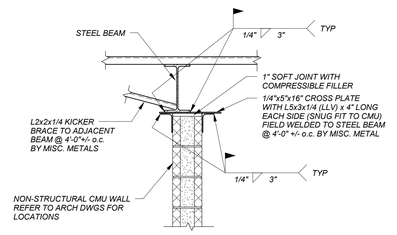
MASONRY CONSTRUCTION M8



REFER TO ARCH. DRAWINGS FOR WALL LOCATIONS AND THICKNESSES.

CMU WALL ANCHORAGE TO BEAM SIDE

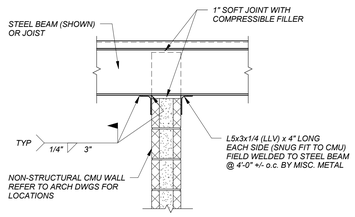
MASONRY CONSTRUCTION M9



REFER TO ARCH. DRAWINGS FOR WALL LOCATIONS AND THICKNESSES.

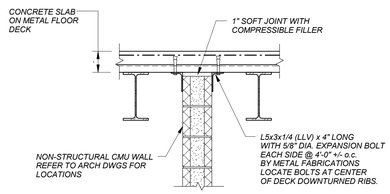
CMU WALL ANCHORAGE TO BEAM BOTTOM

MASONRY CONSTRUCTION M10



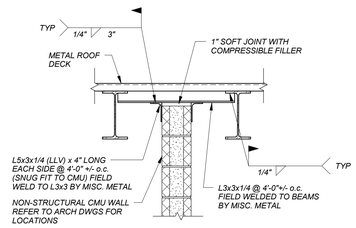
CMU WALL ANCHORAGE TO BEAM BOTTOM

MASONRY CONSTRUCTION M11



CMU WALL ANCHORAGE TO SLAB BOTTOM

MASONRY CONSTRUCTION M12



CMU WALL ANCHORAGE TO DECK BOTTOM

MASONRY CONSTRUCTION M13

MASONRY CONSTRUCTION

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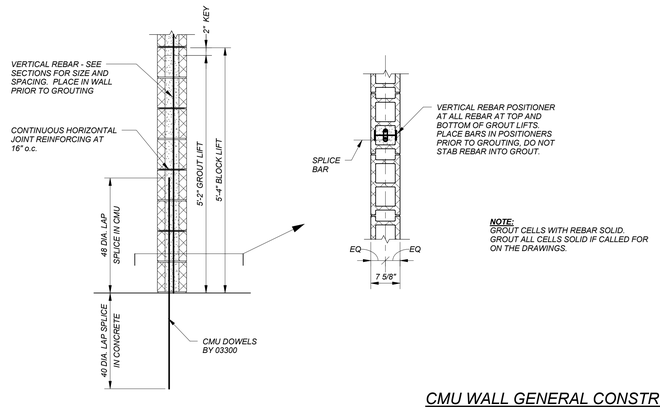
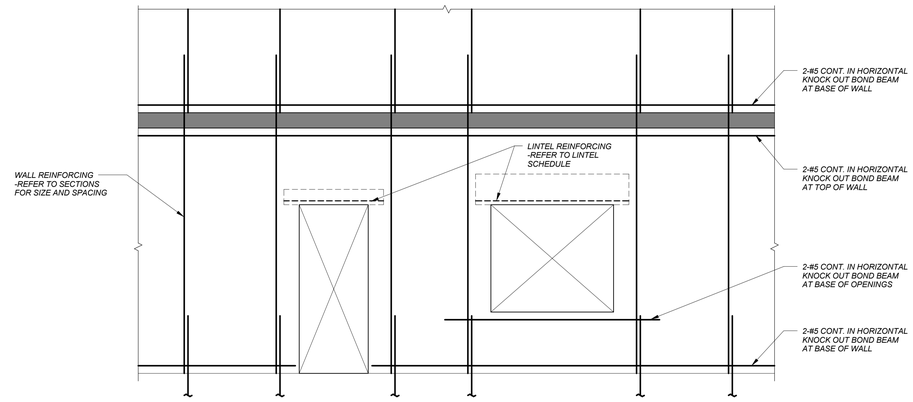


NOTE:
GROUT CELLS WITH REBAR SOLID.
GROUT ALL CELLS SOLID IF CALLED FOR ON THE DRAWINGS.

CMU WALL GENERAL CONSTRUCTION

MASONRY CONSTRUCTION M1



NOTE:
GROUT CMU CELLS WITH REINFORCING SOLID.
GROUT ENTIRE WALL 100% SOLID IF CALLED FOR IN THE SECTIONS AND NOTES.

CMU WALL ELEVATION

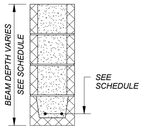
MASONRY CONSTRUCTION M2

CMU LINTEL BEAM SCHEDULE

MASONRY OPENING	DEPTH	REINFORCING
IN 8" WALLS		
UP TO 4'-0"	2 COURSES	2-#5
4'-1" TO 6'-0"	3 COURSES	2-#5
6'-1" TO 10'-0"	4 COURSES	2-#6
10'-1" TO 14'-0"	5 COURSES	2-#7
IN 12" WALLS		
UP TO 4'-0"	2 COURSES	2-#5
4'-1" TO 6'-0"	3 COURSES	2-#5
6'-1" TO 10'-0"	4 COURSES	2-#6
10'-1" TO 14'-0"	5 COURSES	2-#7

NOTES:

1. PLACE REINFORCING IN THE FIRST COURSE AND OPENING.
2. PROVIDE 12" OF BEARING EACH END ON SOLID GROUTED CMU.
3. PROVIDE TEMPORARY SHORING AS REQUIRED UNTIL LINTEL HAS REACHED FULL 28 DAY STRENGTH.



SECTION

CMU LINTEL BEAM SCHEDULE

MASONRY CONSTRUCTION M18

LOOSE LINTEL SCHEDULE AT MASONRY

(BY MISC. METAL)

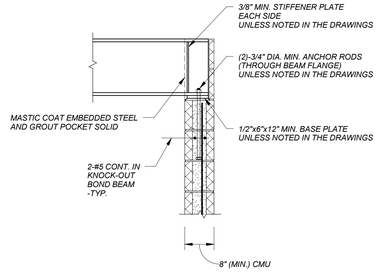
MASONRY OPENING	LINTEL SIZE		MIN. BEARING AT EACH END
UP TO 3'-0"	L3-1/2 x 3-1/2 x 5/16		8"
3'-1" TO 4'-6"	L4 x 3-1/2 x 5/16	(4" LEG VERT.)	8"
4'-7" TO 6'-0"	L5 x 3-1/2 x 3/8	(5" LEG VERT.)	8"
6'-1" TO 8'-0"	L6 x 3-1/2 x 3/8	(6" LEG VERT.)	8"

NOTES:

1. PROVIDE LINTELS OVER ALL OPENINGS (INCLUDING M.E.P. OPENINGS) EXCEPT WHERE LINTEL BLOCKS ARE PROVIDED.
2. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS. FOR 6" WALLS, PROVIDE A TEE OR BUILT-UP SECTION WITH PROPERITES EQUAL TO OR GREATER THAN 1.5 TIMES THE ANGLE PROPERTIES FOR A 4" WALL THICKNESS.
3. ALL EXTERIOR LINTELS SHALL BE GALVANIZED BY THE HOT DIP PROCESS.

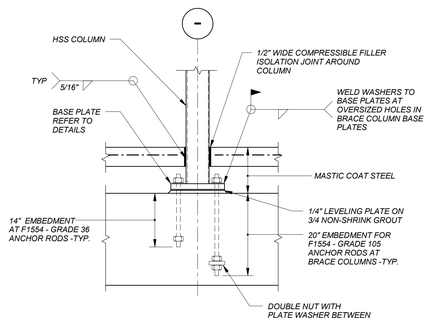
LOOSE LINTEL SCHEDULE AT MASONRY

MASONRY CONSTRUCTION M15



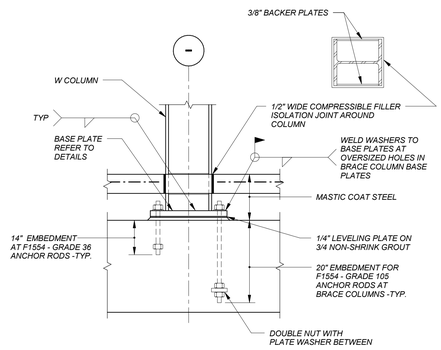
BEAM BEARING ON CMU

MASONRY CONSTRUCTION M20



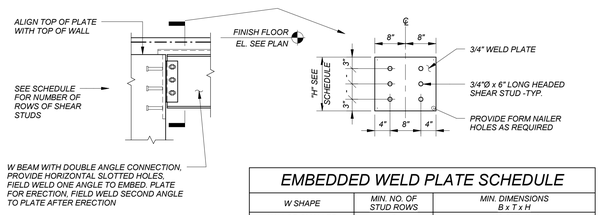
HSS COLUMN BASE DETAIL

STEEL CONSTRUCTION S1



W COLUMN BASE DETAIL

STEEL CONSTRUCTION S2



EMBEDDED WELD PLATE SCHEDULE

W SHAPE	MIN. NO. OF STUD ROWS	MIN. DIMENSIONS B x T x H
W14 OR SMALLER	3	16"x3/4"x1'-4"
W16 TO W18	4	16"x3/4"x1'-9"
W21 TO W24	5	16"x3/4"x2'-2"
HSS10 OR SMALLER	3	16"x3/4"x1'-4"

EMBEDDED WELD PLATE BEAM CONNECTION

STEEL CONSTRUCTION S7

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Typical Details IV

SCALE: 3/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
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JOB NUMBER 403114

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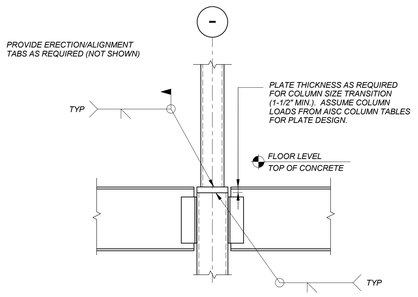
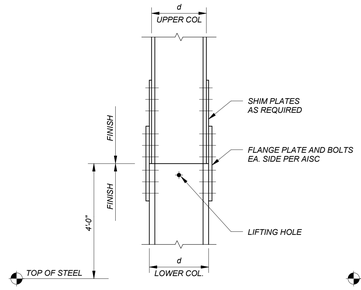


DETAIL SIMILAR AT SAME SIZE COLUMN SPLICE

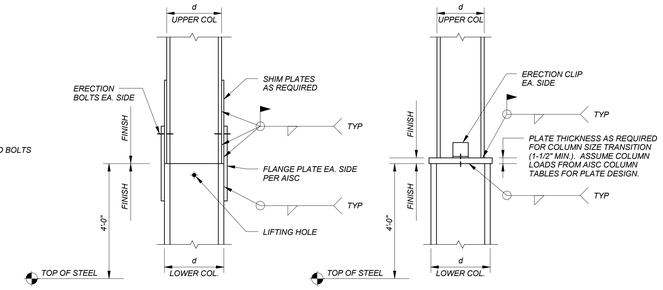
HSS COLUMN SPLICE

STEEL CONSTRUCTION

S3



BOLTED SPLICE



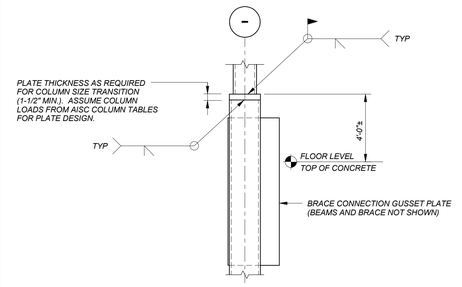
WELDED SPLICE

REFER ALSO TO THE CURRENT AISC MANUAL & OSHA REQUIREMENTS FOR DETAILED SPLICE REQUIREMENTS

W COLUMN SPLICE
NON-BRACE AND NON-MOMENT FRAME CONDITION

STEEL CONSTRUCTION

S5

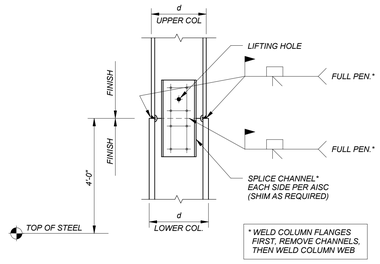


DETAIL SIMILAR AT SAME SIZE COLUMN SPLICE

HSS BRACE COLUMN SPLICE

STEEL CONSTRUCTION

S4

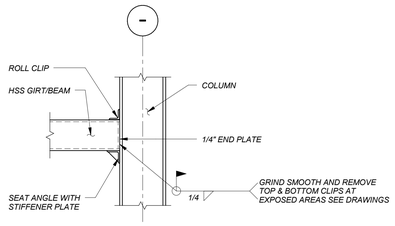


REFER ALSO TO THE CURRENT AISC MANUAL & OSHA REQUIREMENTS FOR DETAILED SPLICE REQUIREMENTS

W-COLUMN SPLICE - BRACE & MOMENT FRAME CONDITION

STEEL CONSTRUCTION

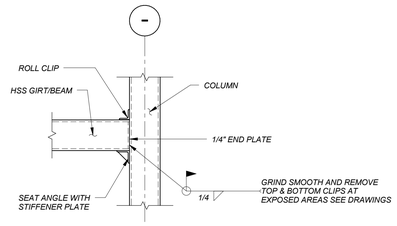
S6



HSS BEAM TO COLUMN CONNECTION

STEEL CONSTRUCTION

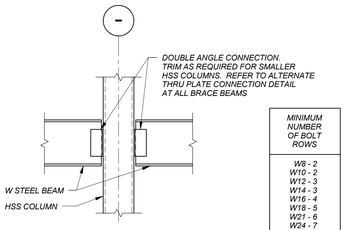
S9



HSS BEAM TO HSS COLUMN CONNECTION

STEEL CONSTRUCTION

S9A



MINIMUM NUMBER OF BOLT ROWS
W8 - 2
W10 - 2
W12 - 3
W14 - 3
W16 - 4
W18 - 5
W21 - 6
W24 - 7
W27 - 8
W30 - 9

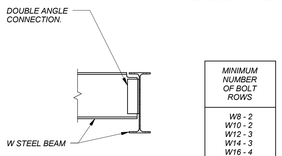
CONNECTIONS SHALL BE DESIGNED USING THE ALLOWABLE STRESS DESIGN METHOD -REFER TO SPECIFICATIONS

BEAM TO HSS COLUMN CONNECTION

STEEL CONSTRUCTION

S10

PROVIDE OSHA SAFETY PROVISIONS AT SHARED BOLTED CONNECTIONS.



MINIMUM NUMBER OF BOLT ROWS
W8 - 2
W10 - 2
W12 - 3
W14 - 3
W16 - 4
W18 - 5
W21 - 5
W24 - 7
W27 - 8
W30 - 9

CONNECTIONS SHALL BE DESIGNED USING THE ALLOWABLE STRESS DESIGN METHOD -REFER TO SPECIFICATIONS

BEAM TO BEAM CONNECTION

STEEL CONSTRUCTION

S12

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DRAWING NUMBER
S0.6

JOB NUMBER 403114

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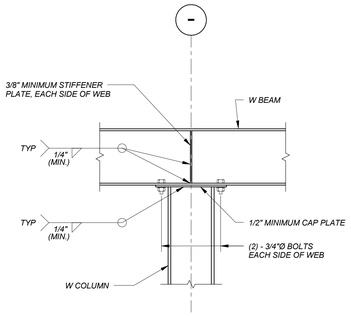
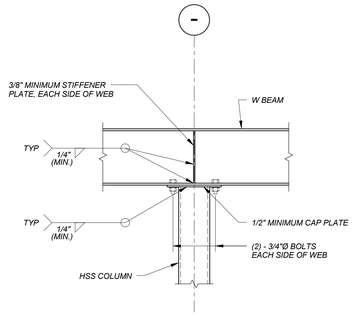


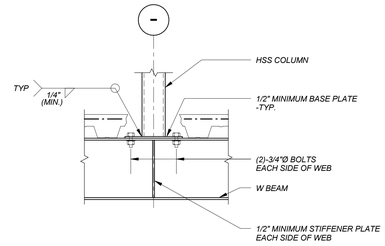
BEAM BEARING ON COLUMN CONNECTION

STEEL CONSTRUCTION S14



BEAM BEARING ON COLUMN CONNECTION

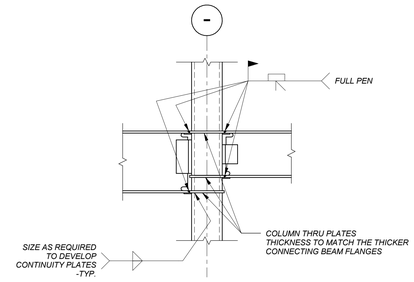
STEEL CONSTRUCTION S14a



AT HSS COLUMN

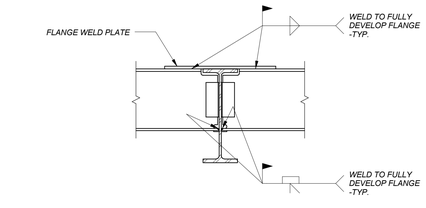
COLUMN BEARING ON BEAM CONNECTION

STEEL CONSTRUCTION S15



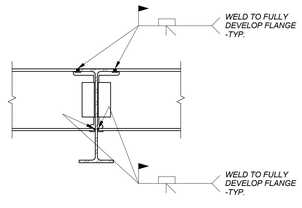
BEAM TO COLUMN MOMENT CONNECTION

STEEL CONSTRUCTION S17a



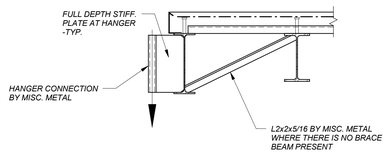
BEAM TO BEAM MOMENT CONNECTION

STEEL CONSTRUCTION S16



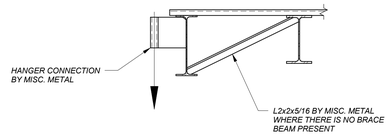
BEAM TO BEAM MOMENT CONNECTION

STEEL CONSTRUCTION S16a



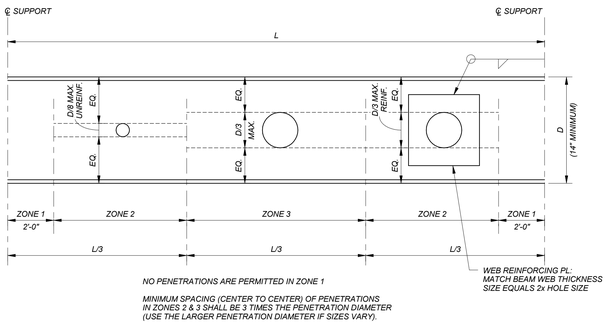
BEAM AT STAIR STRINGER

STEEL CONSTRUCTION S21



BEAM AT STAIR STRINGER

STEEL CONSTRUCTION S21



NO PENETRATIONS ARE PERMITTED IN ZONE 1

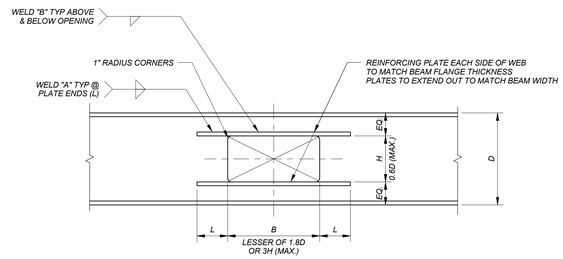
MINIMUM SPACING (CENTER TO CENTER) OF PENETRATIONS IN ZONES 2 & 3 SHALL BE 3 TIMES THE PENETRATION DIAMETER (USE THE LARGER PENETRATION DIAMETER IF SIZES VARY).

NOTES:

1. THE NUMBER, SIZES, AND LOCATIONS OF OPENINGS REQUIRED THROUGH STEEL BEAMS AND GIRDERS SHALL BE DETERMINED BY THE GENERAL CONTRACTOR AND SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR ENGINEER'S REVIEW. REFER TO ALL THE DRAWINGS IN THE SET. FIELD CUTTING OPENINGS IS NOT PERMITTED . FIELD DRILLING OPENINGS OR PLASMA CUTTING MAY BE PERMITTED WITH THE SPECIFIC APPROVAL OF THE STRUCTURAL ENGINEER.
2. OTHER SPECIAL OPENING CASES MAY BE SHOWN ON THE STRUCTURAL DRAWINGS.
3. ALL OPENINGS ARE TO BE SHOWN ON THE SHOP DRAWINGS AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION SINCE IN SOME CASES MODIFICATIONS MAY BE REQUIRED.

SMALL BEAM PENETRATION

STEEL CONSTRUCTION S19



NOTES:

1. SIZE PLATE EXTENSIONS "L" AND WELD "A" AS REQUIRED TO FULLY DEVELOP PLATES.
2. REFER TO PLANS FOR SIZES AND LOCATIONS OF BEAM PENETRATIONS.

LARGE BEAM PENETRATION

STEEL CONSTRUCTION S20

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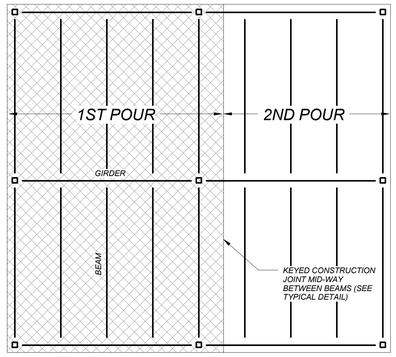
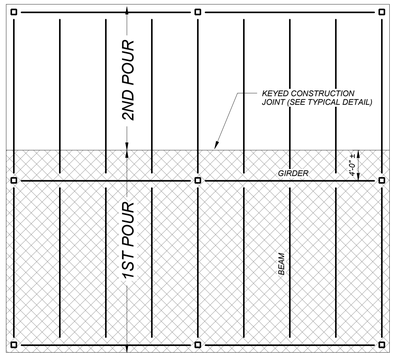


PARALLEL TO BEAMS

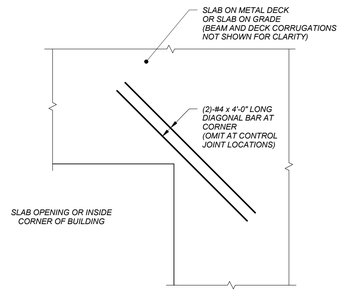


PARALLEL TO GIRDERS

CONSTRUCTION JOINT LAYOUT

CONCRETE ON METAL DECK

S23B

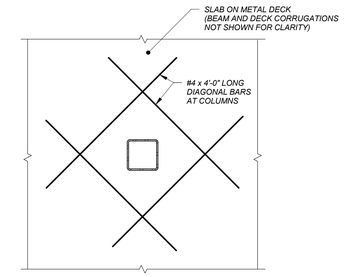


PLAN VIEW

ADDED REBAR AT INSIDE CORNERS

STEEL CONSTRUCTION

S28

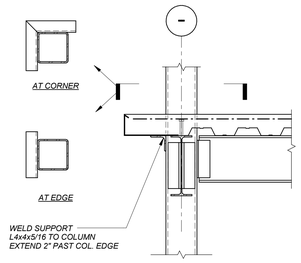


PLAN VIEW

ADDED REBAR AT INTERIOR COLUMNS

STEEL CONSTRUCTION

S29a



EXTERIOR COLUMN CONDITION SHOWN. PROVIDE SIMILAR DETAIL AT INTERIOR COLUMNS WHERE APPLICABLE

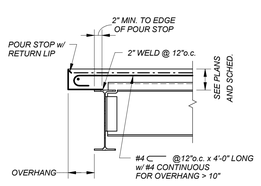
DECK SUPPORT AT COLUMNS

STEEL CONSTRUCTION

S30a

POUR STOP SCHEDULE
XX" SLAB

SLAB OVERHANG BEYOND EDGE OF BEAM FLANGE	POUR STOP GAUGE
< X"	16 GA.
X"+ TO X"	14 GA.
X"+ TO X"	12 GA.
X"+ TO X"	10 GA.
> X"	16 GA. + TEMP. SUPPORT OR DETAIL A



NOTES:

1. POUR STOP SCHEDULE INDICATES MINIMUM POUR STOP REQUIREMENTS. REFER TO SECTIONS AND DETAILS FOR FURTHER REQUIREMENTS.
2. IN THE CASE OF CONFLICT BETWEEN THE SCHEDULE AND DETAIL, THE DETAIL SHALL GOVERN.
3. IN CASES WHERE DECK RIBS ARE PERPENDICULAR TO AND CANTILEVER FROM SUPPORTING BEAMS, PROVIDE CONTINUOUS 18 GA. CELL CLOSURE PLUS 18. GA. POUR STOP ANGLE.

POUR STOP SCHEDULE AND DETAILS

STEEL CONSTRUCTION

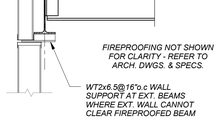
S31

POUR STOP SCHEDULE
4" SLAB

SLAB OVERHANG BEYOND EDGE OF BEAM FLANGE	POUR STOP GAUGE
<5"	18 GA.
5"+ TO 6"	16 GA.
6"+ TO 7"	14 GA.
7"+ TO 10"	12 GA.
10"+ TO 12"	10 GA.
>12"	16 GA. + TEMP. SUPPORT

POUR STOP SCHEDULE
5" SLAB

SLAB OVERHANG BEYOND EDGE OF BEAM FLANGE	POUR STOP GAUGE
<3"	18 GA.
3"+ TO 5"	16 GA.
5"+ TO 7"	14 GA.
7"+ TO 9"	12 GA.
9"+ TO 11"	10 GA.
>11"	16 GA. + TEMP. SUPPORT

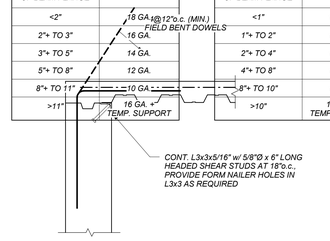


POUR STOP SCHEDULE
5-1/2" SLAB

SLAB OVERHANG BEYOND EDGE OF BEAM FLANGE	POUR STOP GAUGE
<2"	18 GA.
2"+ TO 4"	16 GA.
4"+ TO 6"	14 GA.
6"+ TO 9"	12 GA.
9"+ TO 11"	10 GA.
>11"	16 GA. + TEMP. SUPPORT

POUR STOP SCHEDULE
6" SLAB

SLAB OVERHANG BEYOND EDGE OF BEAM FLANGE	POUR STOP GAUGE
<2"	18 GA.
2"+ TO 3"	16 GA.
3"+ TO 5"	14 GA.
5"+ TO 8"	12 GA.
8"+ TO 11"	10 GA.
>11"	16 GA. + TEMP. SUPPORT



POUR STOP SCHEDULE
6-1/2" SLAB

SLAB OVERHANG BEYOND EDGE OF BEAM FLANGE	POUR STOP GAUGE
<1"	18 GA.
1"+ TO 2"	16 GA.
2"+ TO 4"	14 GA.
4"+ TO 8"	12 GA.
8"+ TO 10"	10 GA.
>10"	16 GA. + TEMP. SUPPORT

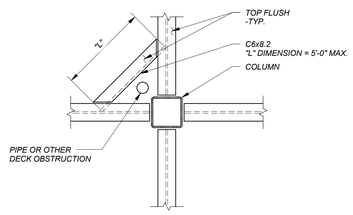
POUR STOP SCHEDULE
7" SLAB

SLAB OVERHANG BEYOND EDGE OF BEAM FLANGE	POUR STOP GAUGE
<2"	16 GA.
2"+ TO 3"	14 GA.
3"+ TO 7"	12 GA.
7"+ TO 10"	10 GA.
>10"	16 GA. + TEMP. SUPPORT

WALL TRACK SUPPORT CLIPS AT FIREPROOFED W-BEAM

STEEL CONSTRUCTION

S45



PLAN VIEW

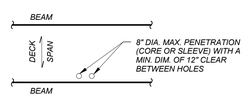
NOTE:

THIS DETAIL IS TO BE USED AT CONDITIONS WHERE DECK IS OBSTRUCTED BY OPENINGS, MOMENT CONNECTIONS, OR OTHER SIMILAR CONDITIONS.

DECK SUPPORT AT COLUMNS

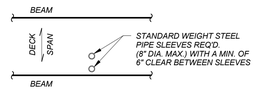
STEEL CONSTRUCTION

S32a



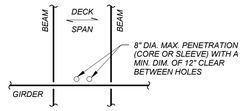
NO ADDITIONAL REINFORCING REQUIRED.
MAY BE WITHIN 1" OF BEAM EDGE.
MUST BE ONE SIDE OF BEAM ONLY OTHERWISE STANDARD WT. STEEL SLEEVES ARE REQ'D.
IF MORE THAN 2 CONSECUTIVE PENETRATIONS ARE REQUIRED THEN THE TYPICAL FLOOR OPENING FRAME IS REQ'D.

CONDITION 1 - HOLES PARALLEL TO BEAM



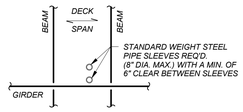
MAY BE WITHIN 1" OF BEAM EDGE.

CONDITION 2- HOLES PERPENDICULAR TO BEAM



NO ADDITIONAL REINFORCING REQUIRED.
MAY BE WITHIN 1" OF BEAM & GIRDER EDGES.
MUST BE ONE SIDE OF BEAM ONLY OTHERWISE STANDARD WT. STEEL SLEEVES ARE REQ'D.
IF MORE THAN 2 CONSECUTIVE PENETRATIONS ARE REQUIRED THEN THE TYPICAL FLOOR OPENING FRAME IS REQ'D.

CONDITION 3 - HOLES PARALLEL TO GIRDER



MAY BE WITHIN 1" OF BEAM & GIRDER EDGES.

IF MORE THAN 2 CONSECUTIVE PENETRATIONS ARE REQUIRED THEN THE TYPICAL FLOOR OPENING FRAME IS REQ'D.

CONDITION 4 - HOLES PERPENDICULAR TO GIRDER

DECK PENETRATION GUIDELINES

STEEL CONSTRUCTION

S33

DECK SUPPORT AT EXTERIOR WALLS

STEEL CONSTRUCTION

S24

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SCALE: 3/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
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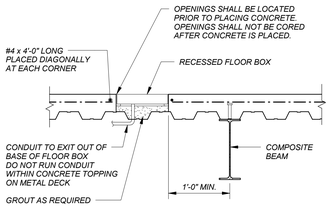
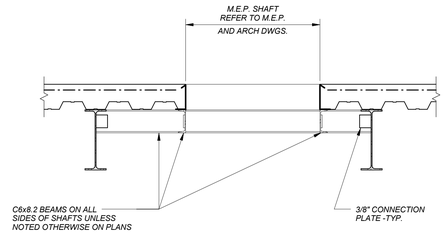


NOTE:

REFER TO ARCH. DRAWINGS FOR FLOOR BOX LOCATIONS.

FLOOR BOX EMBEDMENT

STEEL CONSTRUCTION S34

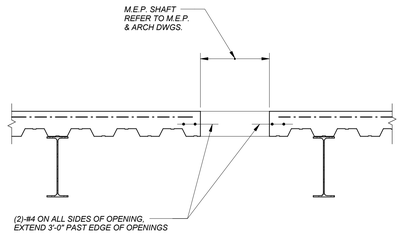


NOTE:

REFER TO ARCH. AND M.E.P. DRAWINGS FOR SHAFT LOCATIONS AND SIZES. OPENINGS ARE NOT SHOWN ON STRUCTURAL PLANS.

LARGE FLOOR OPENINGS (LARGER THAN 18")

STEEL CONSTRUCTION S36

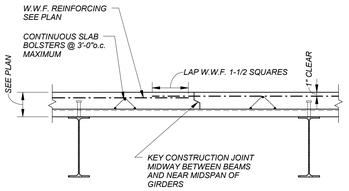


NOTE:

REFER TO ARCH. AND M.E.P. DRAWINGS FOR SHAFT LOCATIONS AND SIZES. OPENINGS ARE NOT SHOWN ON STRUCTURAL PLANS.

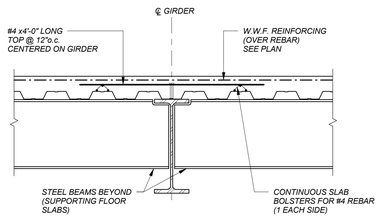
SMALL FLOOR OPENINGS (LESS THAN 18")

STEEL CONSTRUCTION S35



CONCRETE ON COMPOSITE DECK

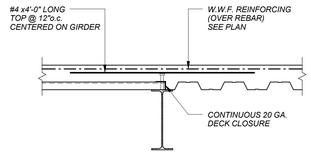
STEEL CONSTRUCTION S23



(ALSO PROVIDE REBAR AT BRACE BEAM/GIRDER LOCATIONS)

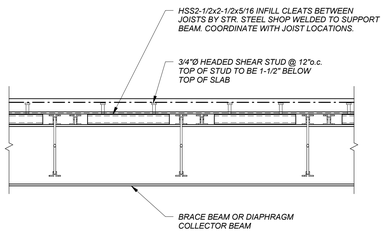
ADDED REBAR OVER GIRDERS

STEEL CONSTRUCTION S25



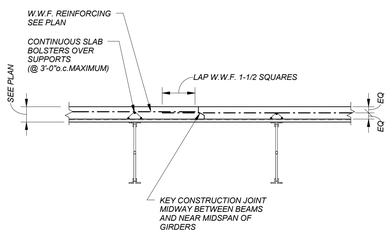
DECK CHANGE IN DIRECTION

STEEL CONSTRUCTION S26



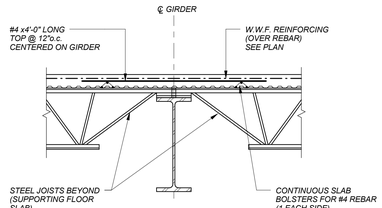
DIAPHRAGM CLEATS BETWEEN JOISTS DETAIL

STEEL CONSTRUCTION J7



CONCRETE ON FORM DECK

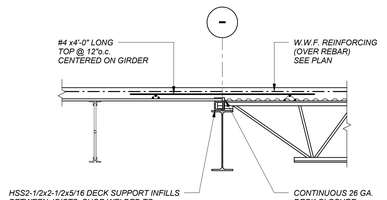
STEEL CONSTRUCTION S22



(ALSO PROVIDE REBAR AT BRACE BEAM/GIRDER LOCATIONS)

ADDED REBAR OVER GIRDERS

STEEL CONSTRUCTION S25B



JOIST CHANGE IN DIRECTION DETAIL

STEEL CONSTRUCTION S26B

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DRAWING NUMBER
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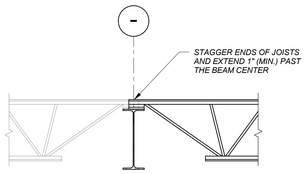
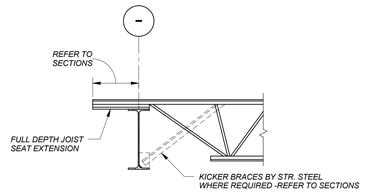


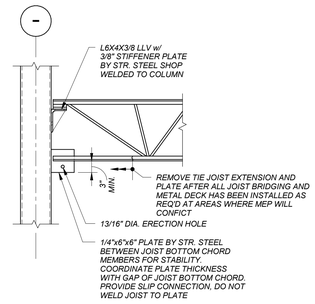
JOIST ON INTERIOR BEAM DETAIL

STEEL CONSTRUCTION J1



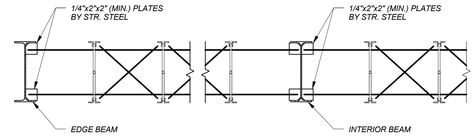
JOIST ON EXTERIOR BEAM DETAIL

STEEL CONSTRUCTION J2



JOIST TO COLUMN DETAIL

STEEL CONSTRUCTION J4

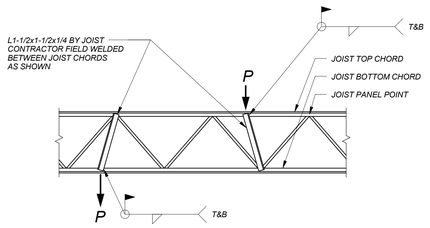


NOTE:

PROVIDE CONTINOUS HORIZONTAL TOP AND BOTTOM BRIDGING AND
CROSS BRACING AT SECOND JOIST BAYS TO BEAMS FOR K SERIES JOISTS.

JOIST BRIDGING DETAIL

STEEL CONSTRUCTION J5



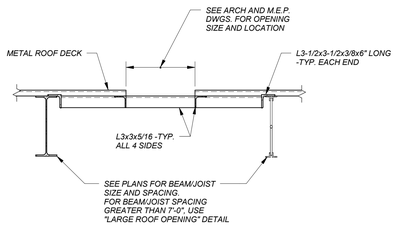
JOIST ELEVATION

NOTE:

USE ANGLE BRACES WHERE CONCENTRATED LOADS DO
NOT OCCUR AT JOIST TOP CHORD PANEL POINTS.

JOIST REINFORCING AT LOAD DETAIL

STEEL CONSTRUCTION J6

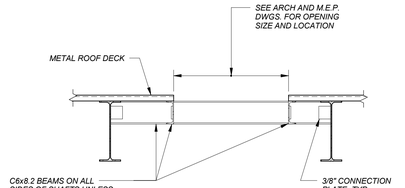


NOTES:

1. DETAIL ABOVE APPLIES TO OPENINGS IN ROOF STRUCTURE TO BE PROVIDED FOR ROOF DRAINS, FANS, M.E.P. SHAFTS, ETC.
2. SEE ARCHITECTURAL AND M.E.P. DRAWINGS FOR SIZE AND LOCATION OF OPENINGS. COORDINATE WITH EQUIPMENT REQUIREMENTS.
3. FRAMING SHOWN ON THE PLANS GOVERN OVER THAT WHICH IS INDICATED ON THE DETAIL ABOVE.
4. WHERE ADDED LOAD TO JOISTS OCCURS BETWEEN TOP CHORD PANEL POINTS, ADD L1-1/2x1-1/2x1/4 TO BOTTOM CHORD PANEL POINT.

SMALL ROOF OPENINGS (LESS THAN 18")

STEEL CONSTRUCTION S38



NOTES:

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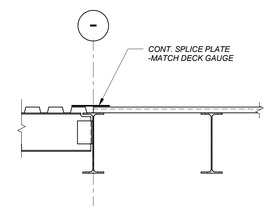
2. SEE ARCHITECTURAL AND M.E.P. DRAWINGS FOR SIZE AND LOCATION OF OPENINGS. COORDINATE WITH EQUIPMENT REQUIREMENTS.
3. FRAMING SHOWN ON THE PLANS GOVERN OVER THAT WHICH IS INDICATED ON THE DETAIL ABOVE.
4. WHERE ADDED LOAD TO JOISTS OCCURS BETWEEN TOP CHORD PANEL POINTS, ADD L1-1/2x1-1/2x1/4 TO BOTTOM CHORD PANEL POINT.

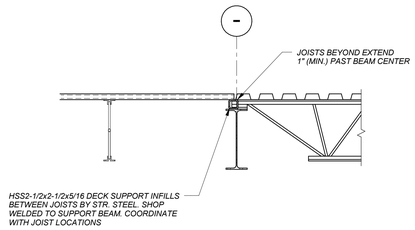
LARGE ROOF OPENINGS (LARGER THAN 18")

STEEL CONSTRUCTION S39



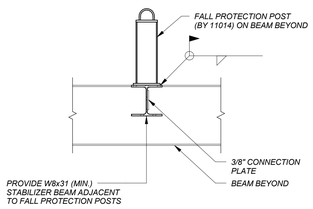
ROOF DECK SPLICE

STEEL CONSTRUCTION S42



JOIST CHANGE IN DIRECTION DETAIL

STEEL CONSTRUCTION J3



NOTES:

1. COORDINATE LOCATION OF BEAMS WITH LAYOUT OF TIE-BACK ANCHORS SHOWN ON ARCH. DWGS.
2. FINISHED FIELD WELDS TO BE PAINTED WITH ZINC-RICH PAINT.
3. DETAIL TO ACCOUNT FOR SLOPING ROOF MEMBERS WHERE APPLICABLE.

FALL PROTECTION ROOF ANCHOR

STEEL CONSTRUCTION S43

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S0.10

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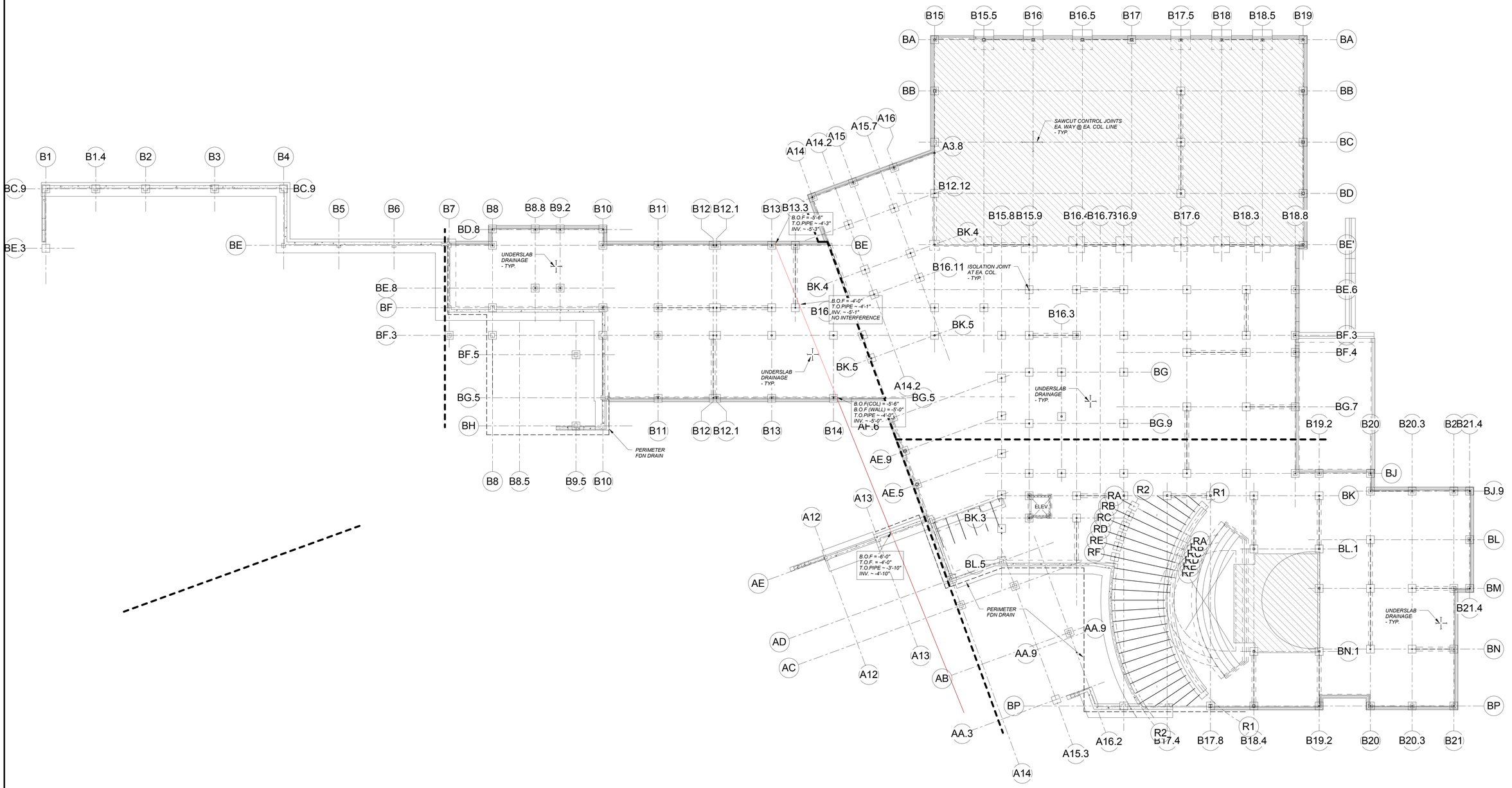


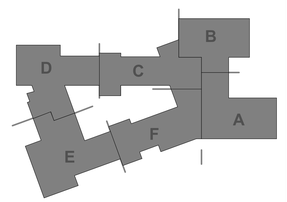
Ground Level/Foundation Plan - Overall

1" = 20'-0"

NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS REFER TO DRAWINGS S0.1 THROUGH S0.10.
2. FOR TOP OF CONCRETE EL. SEE PLAN.
3. INDICATES A DEPRESSION. REFER TO ARCHITECTURAL DRAWINGS FOR DEPTH AND EXTENTS. COORDINATE WITH FLOORING MANUFACTURER.
4. ESTIMATED ELEVATION OF BOTTOM OF FOOTING IS INDICATED THUS [X'-X"] ON PLAN. BOTTOM OF EACH EXTERIOR FOOTING SHALL BE A MINIMUM OF 4'-0" BELOW ADJACENT FINISH GRADE.
5. COLUMN SIZES ARE SHOWN ON PLANS AT THEIR LOWEST LEVELS OR AT SPLICES. REFER TO FOUNDATION PLANS AND FRAMING PLANS.
6. BRACE "X" INDICATES A BRACED FRAME IN THE LATERAL LOAD RESISTING SYSTEM. FOR ELEVATIONS AND DETAILS REFER TO DRAWINGS S3.1A THRU S3.2.
7. * INDICATES EXPOSED TO VIEW STRUCTURAL STEEL (E.V.S.S.). REFER TO THE SPECIFICATION FOR SURFACE PREPARATION AND FINISH REQUIREMENTS. COORDINATE LOCATIONS OF E.V.S.S. WITH ARCHITECTURAL DRAWINGS.
8. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR THRESHOLDS AND SLOPING SLABS TO DRAINS.
9. COORDINATE DIMENSIONS AND LOCATIONS OF ANY PIPES OR DUCTS TO BE PLACED UNDER OR THROUGH THE SLABS OR FOUNDATION WALL WITH ARCHITECTURAL AND MEP DRAWINGS.
10. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF STEEL FIREPROOFING.

KEYPLAN



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PLAN NORTH
TRUE NORTH

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Ground Level Foundation Plan - Overall
SCALE: As Indicated
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
S2.0

JOB NUMBER 403114

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6" SLAB ON GRADE
WITH #4's @ 12" o.c. EA. WAY
T.O. CONC. EL. -14'-0"

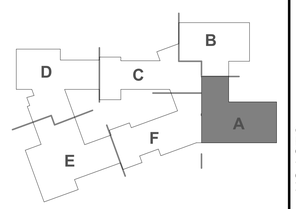
Ground Level/Foundation Plan - Part A

1/8" = 1'-0"

TOP OF CONCRETE ELEVATION = -14'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.0 FOR ADDITIONAL INFORMATION

KEYPLAN



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Ground Level/Foundation Plan - Part A

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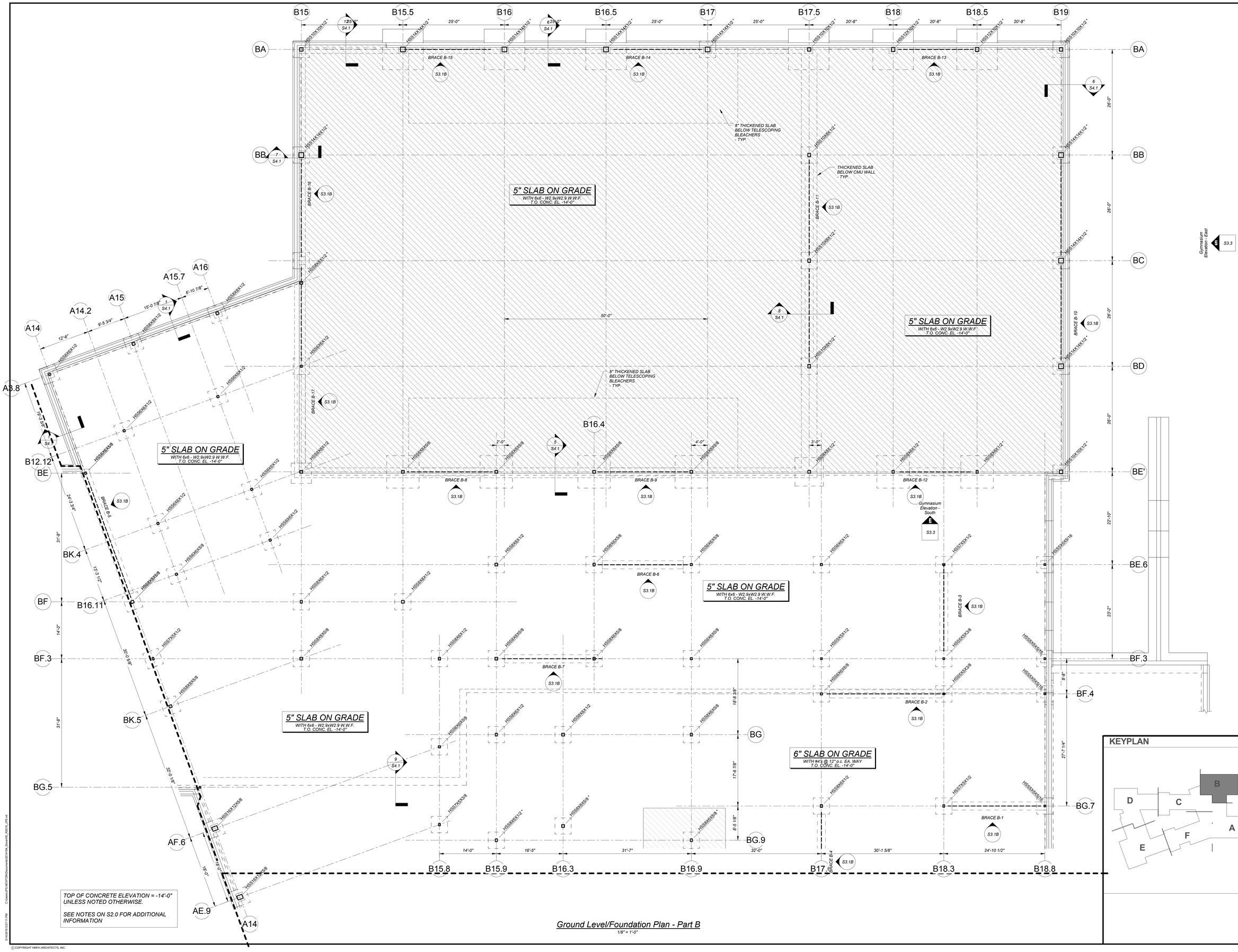
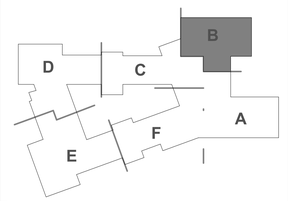


Ground Level/Foundation Plan - Part B
1/8" = 1'-0"

KEYPLAN



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Ground Level/Foundation Plan - Part B

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SCALE: 1/8" = 1'-0"

DRAWING NUMBER
S2.0B

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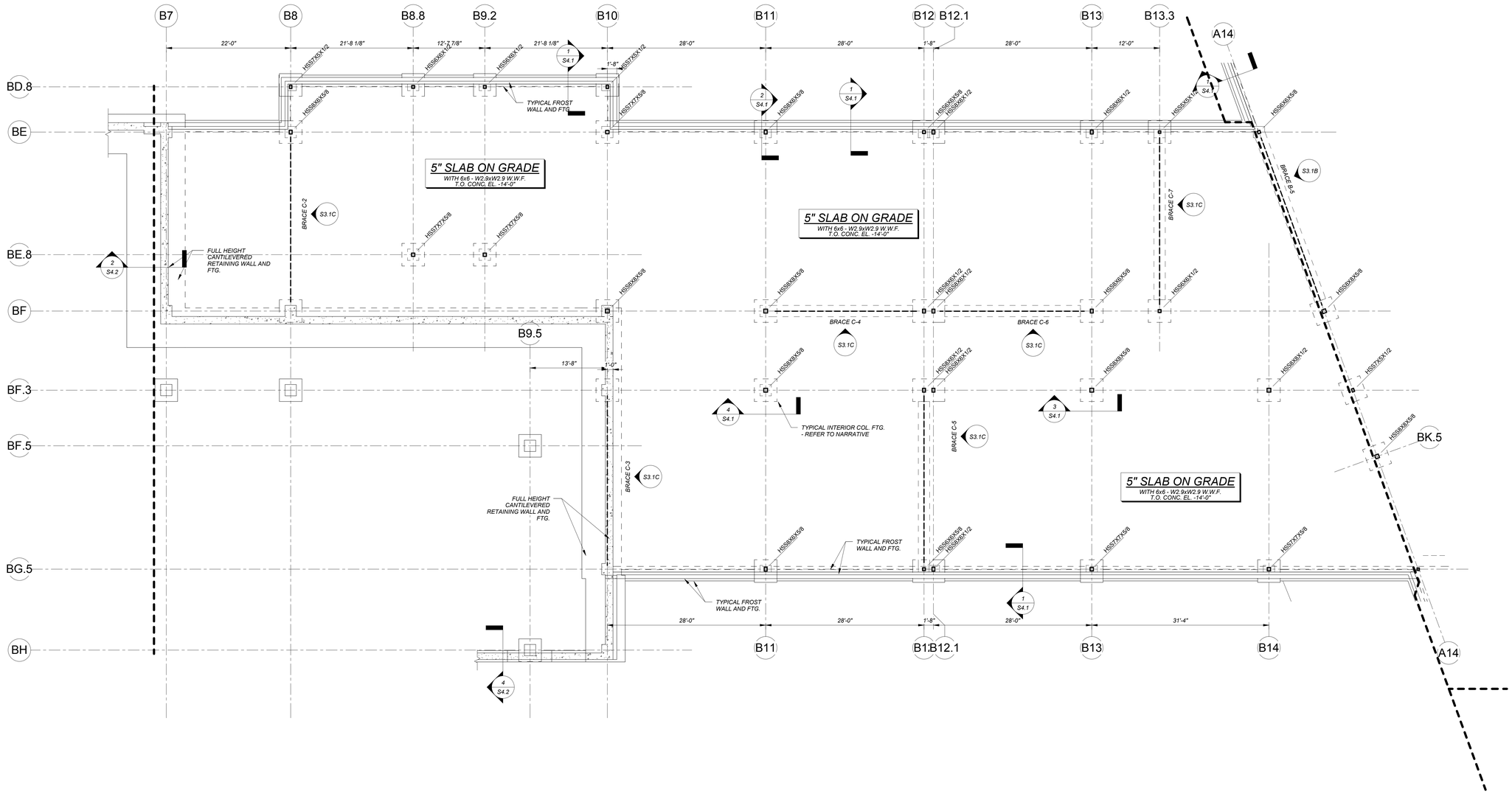


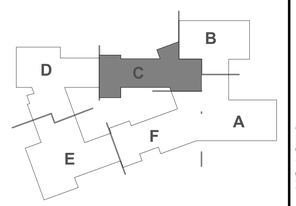
Ground Level/Foundation Plan - Part C

1/8" = 1'-0"

TOP OF CONCRETE ELEVATION = -14'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.0 FOR ADDITIONAL INFORMATION

KEYPLAN



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PLAN NORTH
TRUE NORTH

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SCALE: 1/8" = 1'-0"

Dover HS / CTC
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Ground Level/Foundation Plan - Part C

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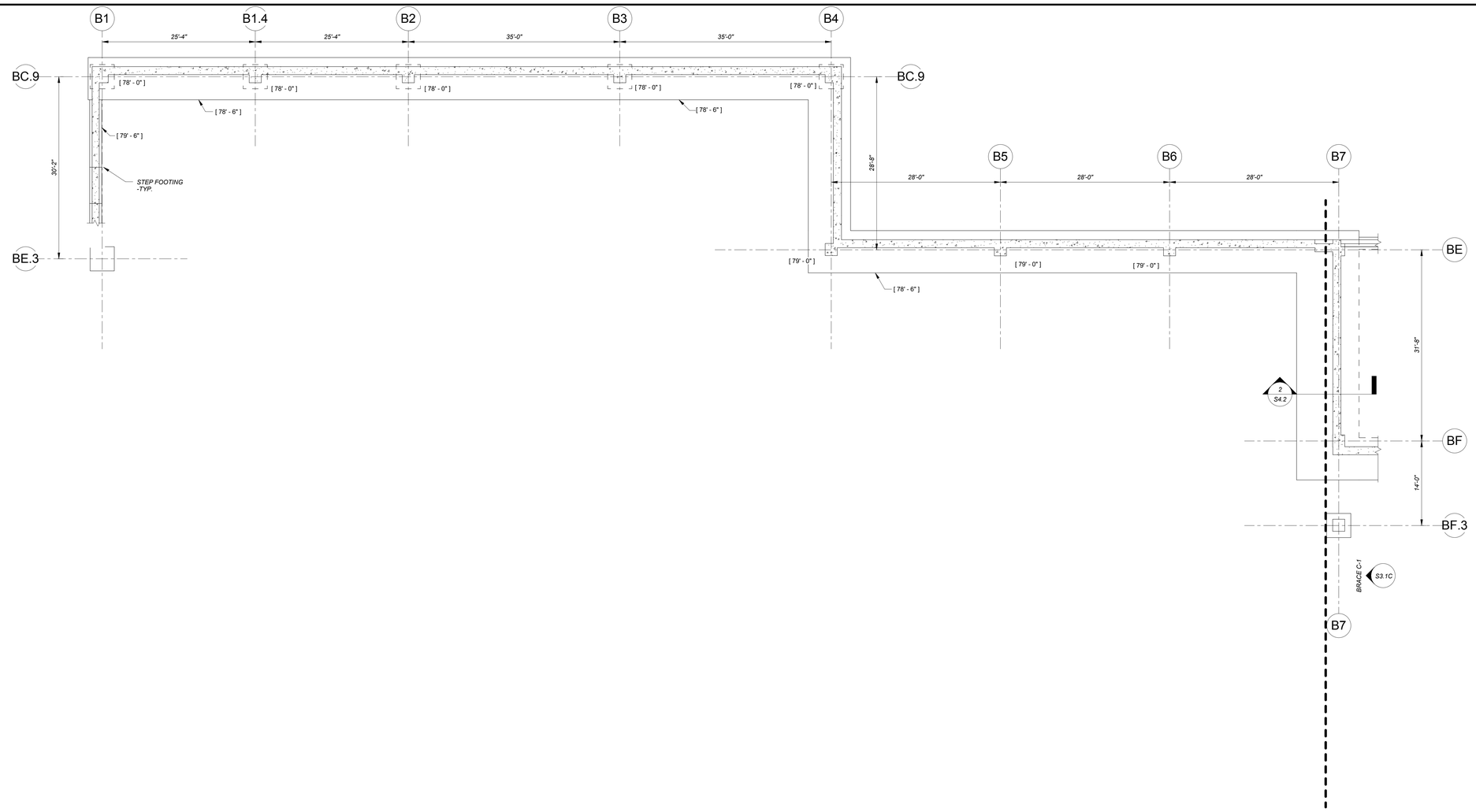
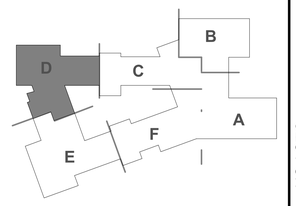


1 Ground Level/Foundation Plan - Part D
1/8" = 1'-0"

TOP OF CONCRETE ELEVATION = -14'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.0 FOR ADDITIONAL INFORMATION

KEYPLAN



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Ground Level/Foundation Plan - Part D

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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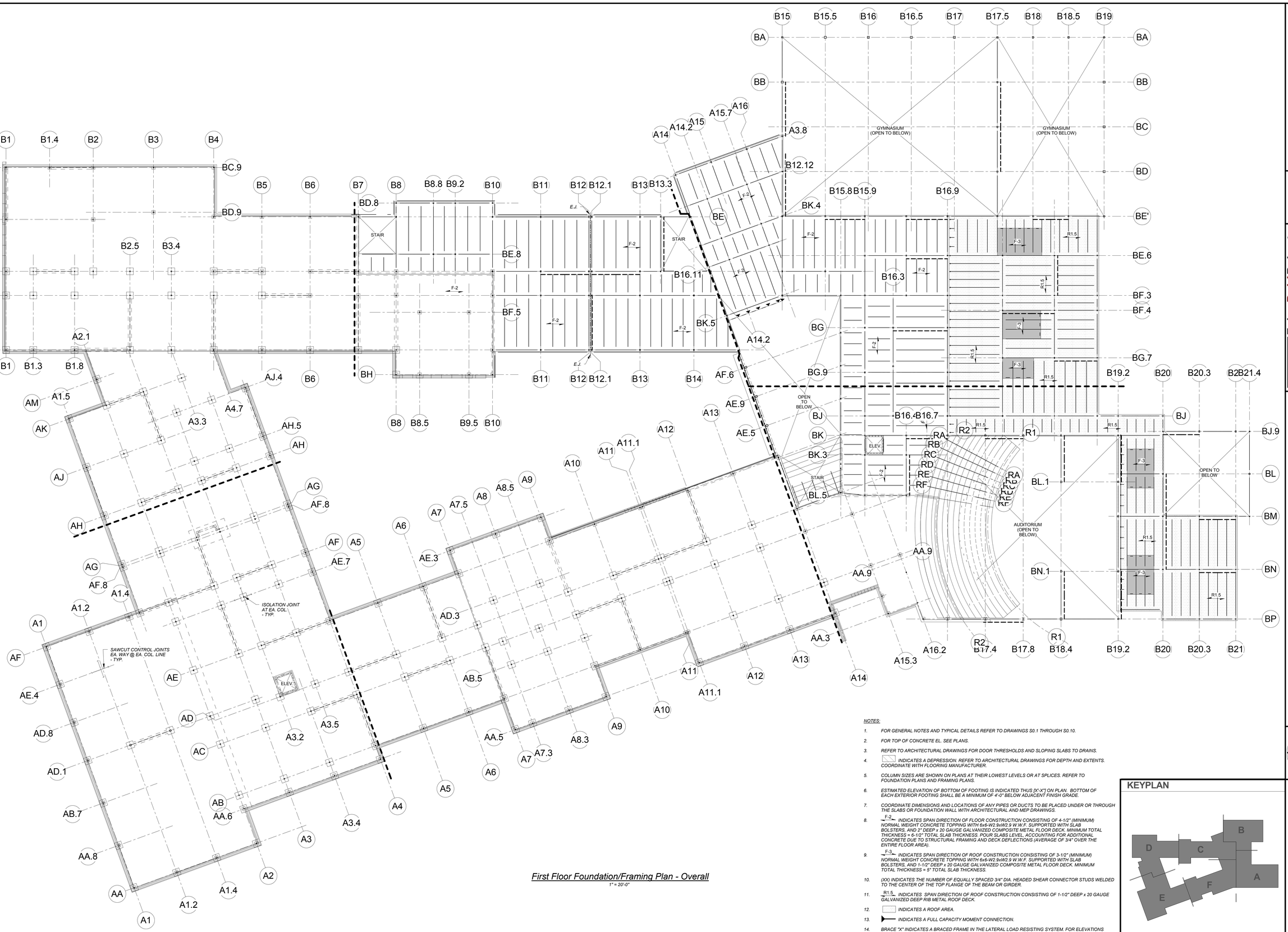

First Floor Foundation/Framing Plan - Overall

1" = 20'-0"

NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS REFER TO DRAWINGS S0.1 THROUGH S0.10.
2. FOR TOP OF CONCRETE EL. SEE PLANS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR THRESHOLDS AND SLOPING SLABS TO DRAINS.
4. INDICATES A DEPRESSION. REFER TO ARCHITECTURAL DRAWINGS FOR DEPTH AND EXTENTS. COORDINATE WITH FLOORING MANUFACTURER.
5. COLUMN SIZES ARE SHOWN ON PLANS AT THEIR LOWEST LEVELS OR AT SPLICES. REFER TO FOUNDATION PLANS AND FRAMING PLANS.
6. ESTIMATED ELEVATION OF BOTTOM OF FOOTING IS INDICATED THUS [X'-X"] ON PLAN. BOTTOM OF EACH EXTERIOR FOOTING SHALL BE A MINIMUM OF 4'-0" BELOW ADJACENT FINISH GRADE.
7. COORDINATE DIMENSIONS AND LOCATIONS OF ANY PIPES OR DUCTS TO BE PLACED UNDER OR THROUGH THE SLABS OR FOUNDATION WALL WITH ARCHITECTURAL AND MEP DRAWINGS.
8. F-2 INDICATES SPAN DIRECTION OF FLOOR CONSTRUCTION CONSISTING OF 4-1/2" (MINIMUM) NORMAL WEIGHT CONCRETE TOPPING WITH 6x6-W2.9xW2.9 W.W.F. SUPPORTED WITH SLAB BOLSTERS, AND 2" DEEP x 20 GAUGE GALVANIZED COMPOSITE METAL FLOOR DECK. MINIMUM TOTAL THICKNESS = 6-1/2" TOTAL SLAB THICKNESS. POUR SLABS LEVEL, ACCOUNTING FOR ADDITIONAL CONCRETE DUE TO STRUCTURAL FRAMING AND DECK DEFLECTIONS (AVERAGE OF 3/4" OVER THE ENTIRE FLOOR AREA).
9. F-3 INDICATES SPAN DIRECTION OF ROOF CONSTRUCTION CONSISTING OF 3-1/2" (MINIMUM) NORMAL WEIGHT CONCRETE TOPPING WITH 6x6-W2.9xW2.9 W.W.F. SUPPORTED WITH SLAB BOLSTERS, AND 1-1/2" DEEP x 20 GAUGE GALVANIZED COMPOSITE METAL FLOOR DECK. MINIMUM TOTAL THICKNESS = 5" TOTAL SLAB THICKNESS.
10. (XX) INDICATES THE NUMBER OF EQUALLY SPACED 3/4" DIA. HEADED SHEAR CONNECTOR STUDS WELDED TO THE CENTER OF THE TOP FLANGE OF THE BEAM OR GIRDER.
11. R1.5 INDICATES SPAN DIRECTION OF ROOF CONSTRUCTION CONSISTING OF 1-1/2" DEEP x 20 GAUGE GALVANIZED DEEP RIB METAL ROOF DECK.
12. INDICATES A ROOF AREA.
13. INDICATES A FULL CAPACITY MOMENT CONNECTION.
14. BRACE "X" INDICATES A BRACED FRAME IN THE LATERAL LOAD RESISTING SYSTEM. FOR ELEVATIONS AND DETAILS REFER TO DRAWING S3.1A THRU S3.2.
15. PROVIDE 2-#5 DRAG BARS IN CONCRETE SLAB, ONE ON EACH SIDE AT INTERIOR BR-X BRACING, AND BOTH BARS ON SAME SIDE WHERE BR-X BRACING IS NEAR THE EDGE OF SLAB.
16. * INDICATES EXPOSED TO VIEW EXPOSED STRUCTURAL STEEL (E.V.S.S.). REFER TO T1-SPECIFICATION FOR SURFACE PREPARATION AND FINISH REQUIREMENTS. COORDINATE LOCATIONS OF E.V.S.S. WITH ARCHITECTURAL DRAWINGS.
17. COORDINATE AND VERIFY THE SIZE OF ALL SLAB PENETRATIONS AND OPENINGS FOR STAIRS, ELEVATORS AND SHAFTS WITH ARCHITECTURAL AND M.E.P. DRAWINGS.
18. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF STEEL FIREPROOFING.

KEYPLAN

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PLAN NORTH
TRUE NORTH

Dover HS / CTC
Dover, NH
First Floor Foundation/Framing Plan - Overall

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SCALE: As indicated

DRAWING NUMBER
S2.1

JOB NUMBER 403114

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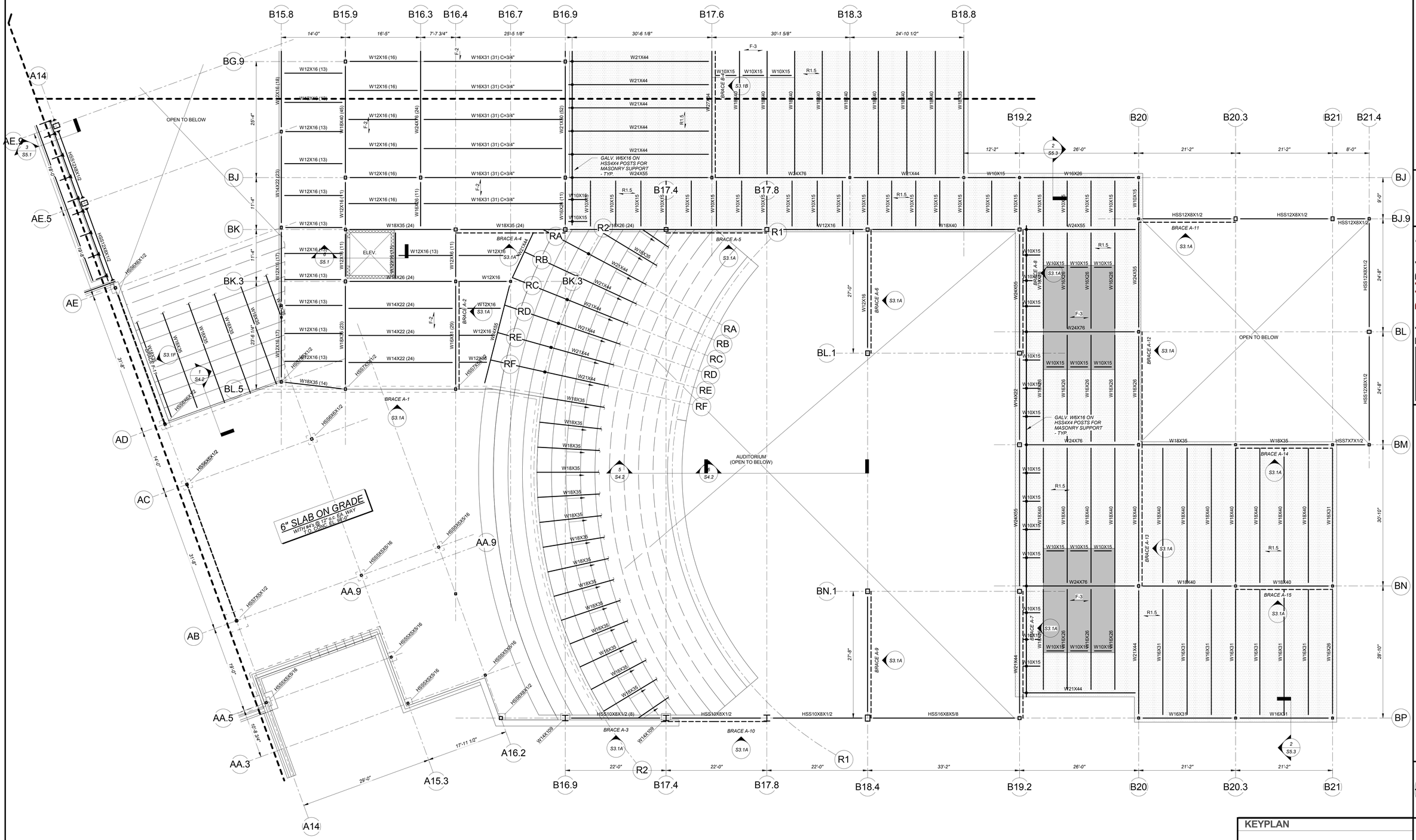
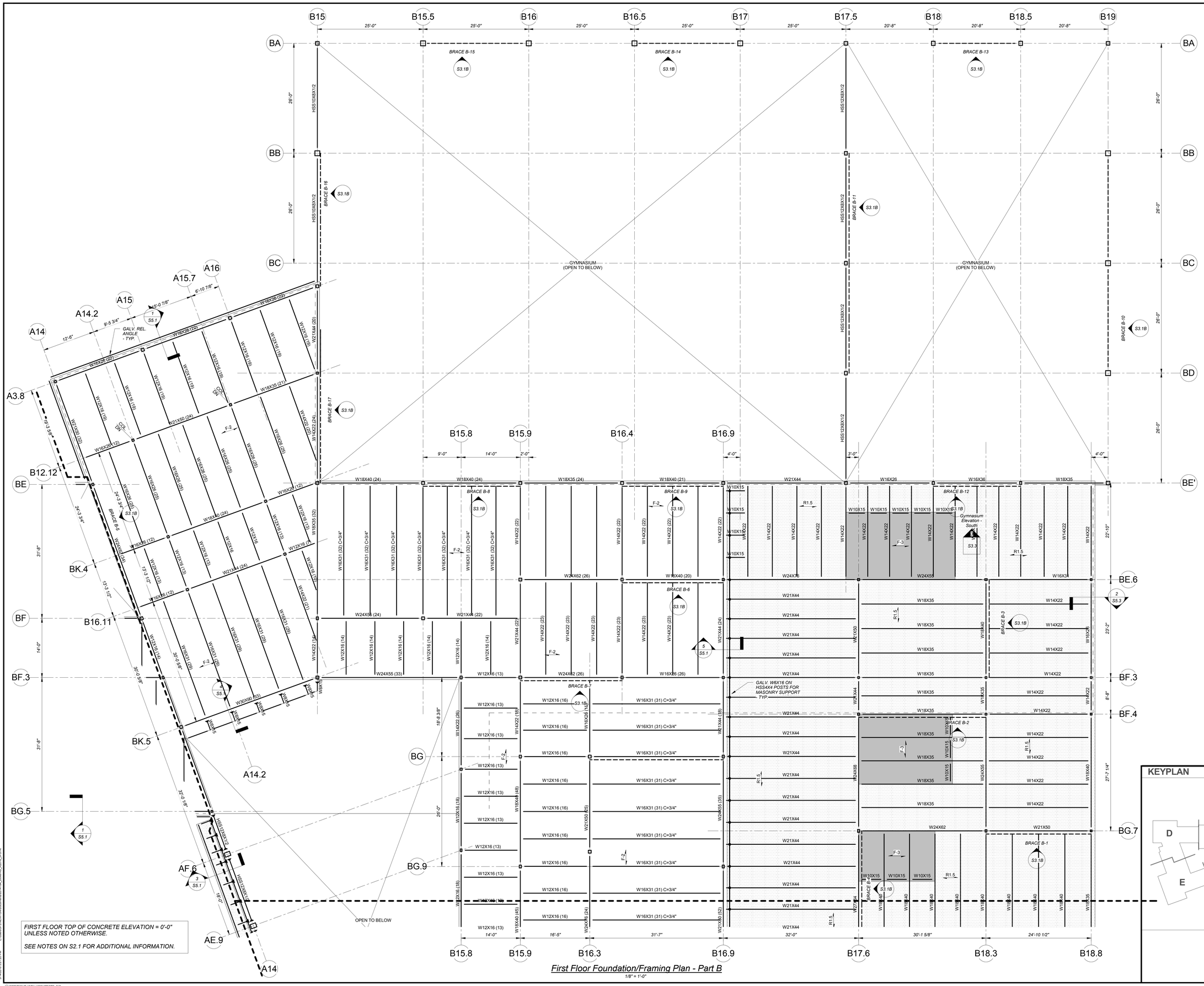
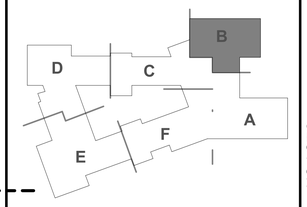

B15.8
B15.9
B16.3
B16.4
B16.7
B16.9
B17.6
B18.3
B18.8
B19.2
B20
B20.3
B21
B21.4
14'-0"
16'-5"
7'-7 3/4"
25'-5 1/8"
30'-6 1/8"
30'-1 5/8"
24'-10 1/2"
12'-2"
26'-0"
21'-2"
21'-2"
8'-0"
BG.9
BJ
BK
BK.3
BL.5
BL
BL.1
BJ.9
BM
BN
BN.1
BP
AE.9
AE.5
AE
AD
AC
AB
AA.9
AA.5
AA.3
A14
A15.3
A16.2
R1
R2
RA
RB
RC
RD
RE
RF
B17.4
B17.8
OPEN TO BELOW
ELEV.
AUDITORIUM (OPEN TO BELOW)
GALV. W6X16 ON HSS4X4 POSTS FOR MASONRY SUPPORT - TYP.
6" SLAB ON GRADE
WITH #4'S @ 12" o.c. EA. WAY
T.O. CONC. EL. 99.0"
BRACE A-1
BRACE A-2
BRACE A-3
BRACE A-4
BRACE A-5
BRACE A-6
BRACE A-7
BRACE A-8
BRACE A-9
BRACE A-10
BRACE A-11
BRACE A-12
BRACE A-13
BRACE A-14
BRACE A-15
HSS10X8X1/2
HSS12X8X1/2
HSS16X8X5/8
HSS6X6X1/2
HSS7X7X1/2
HSS5X5X5/16
HSS8X8X1/2
W12X16 (13)
W12X16 (16)
W16X31 (31) C=3/4"
W21X44
W24X76
W24X55
W18X35 (24)
W18X40
W10X15
W16X26
W14X22 (24)
W18X35 (14)
W12X16
W21X44
W18X35
W16X31
W10X15
W18X40
W16X31
W18X35
W24X76
W24X55
W21X44
W16X31
W18X40
W16X26
W10X15
W10X26
W14X109
W12X16 (11)
W16X26 (11)
W21X68 (62)
W24X76 (24)
W18X40 (45)
W14X22 (23)
W12X16 (17)
W18X26 (23)
W16X31 (29)
W12X16 (18)
W18X35 (24)
W16X26 (24)
W12X16 (13)



First Floor Foundation/Framing Plan - Part B

1/8" = 1'-0"

KEYPLAN



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First Floor Foundation/Framing Plan - Part B

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S2.1B

JOB NUMBER 403114

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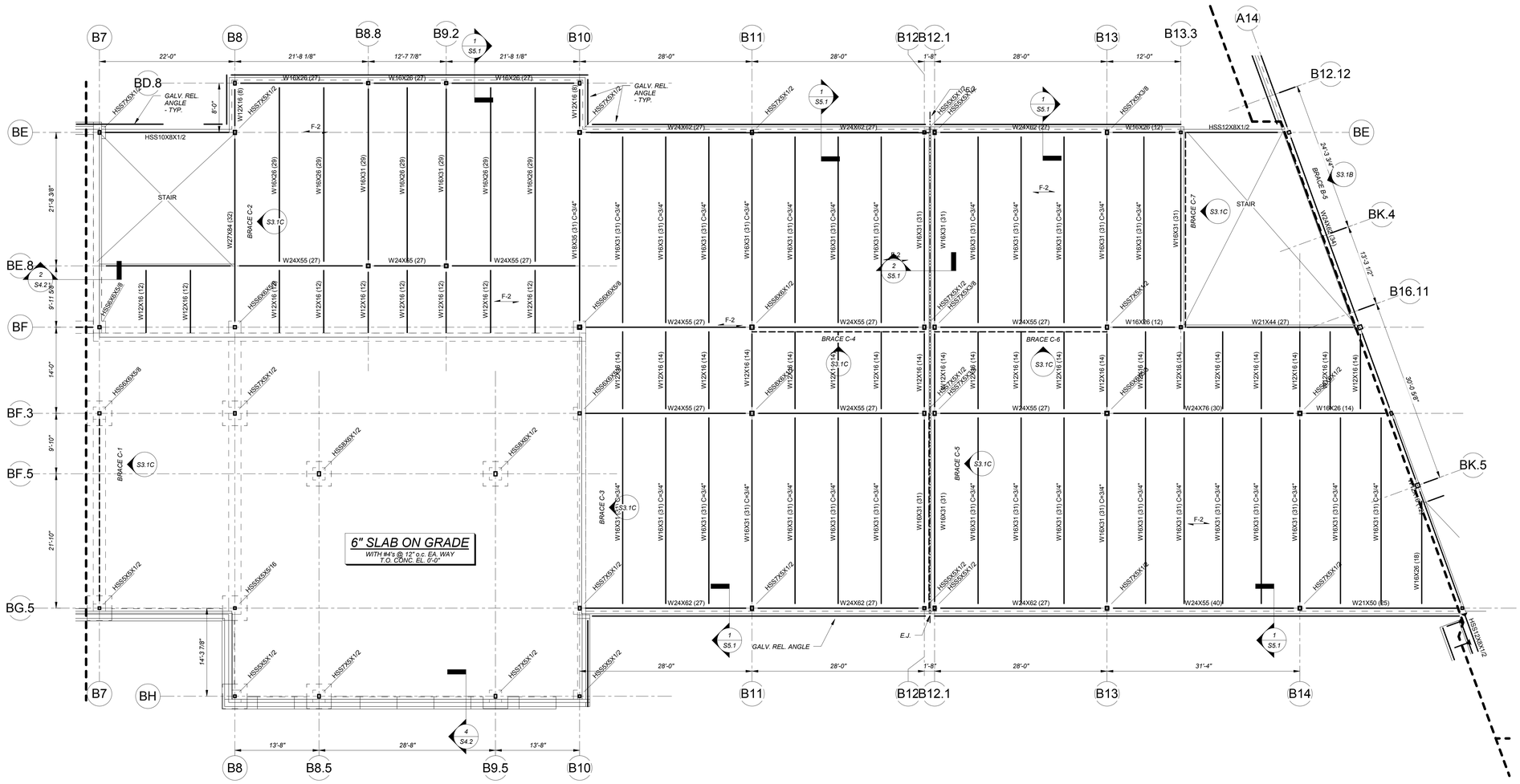

First Floor Foundation/Framing Plan - Part C

1/8" = 1'-0"

FIRST FLOOR TOP OF CONCRETE ELEVATION = 0'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.1 FOR ADDITIONAL INFORMATION.

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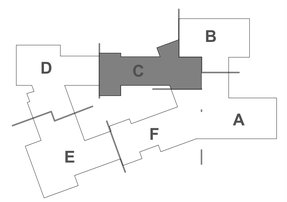
KEYPLAN



Dover HS / CTC
Dover, NH
First Floor Foundation/Framing Plan - Part C
SCALE: 1/8" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
S2.1C

JOB NUMBER 403114

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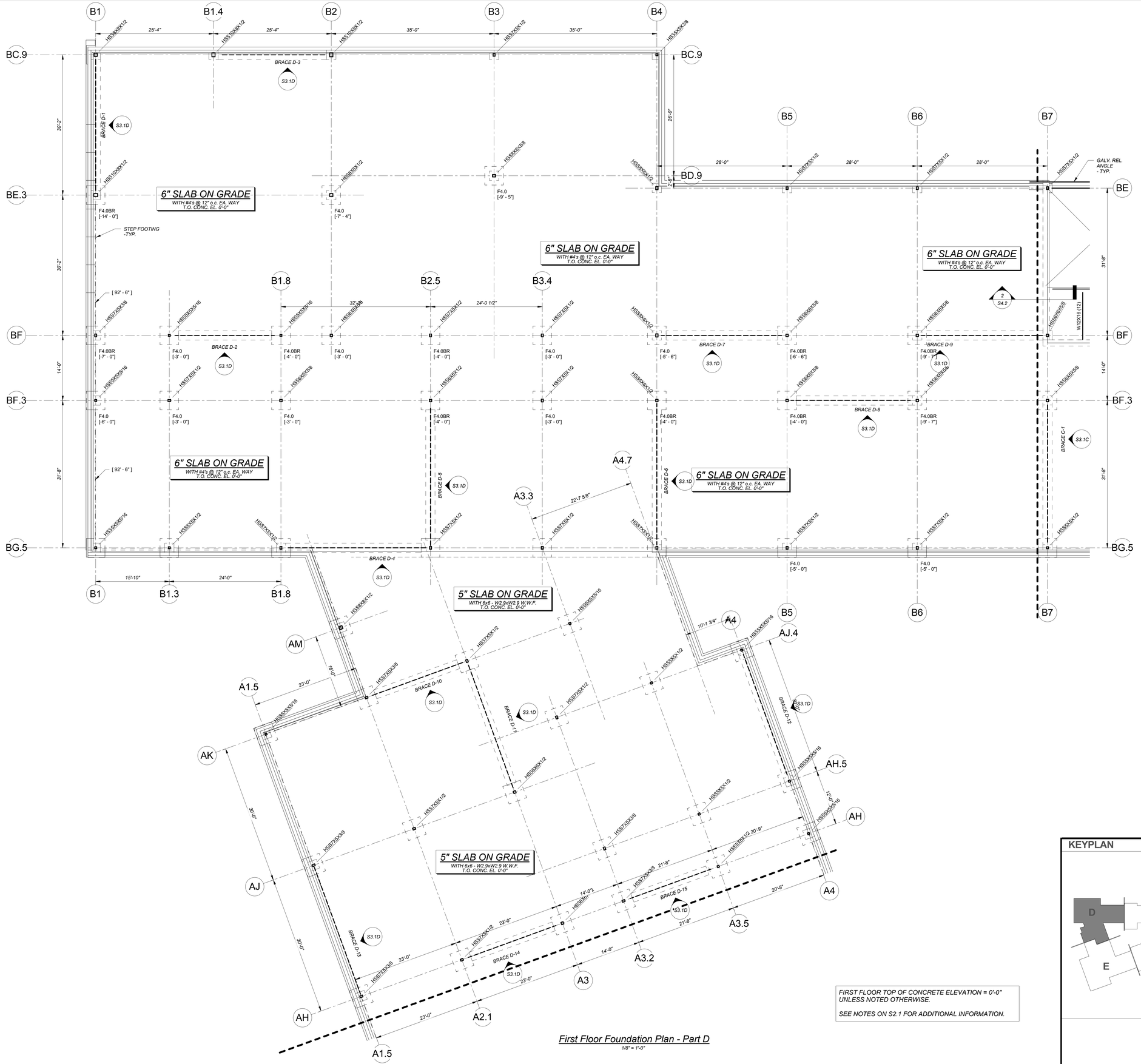


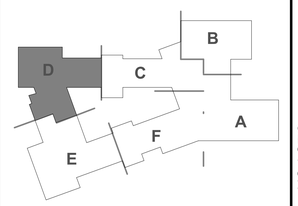
First Floor Foundation Plan - Part D

1/8" = 1'-0"

FIRST FLOOR TOP OF CONCRETE ELEVATION = 0'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.1 FOR ADDITIONAL INFORMATION.

KEYPLAN



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First Floor Foundation/Framing Plan - Part D

SCALE: 1/8" = 1'-0"

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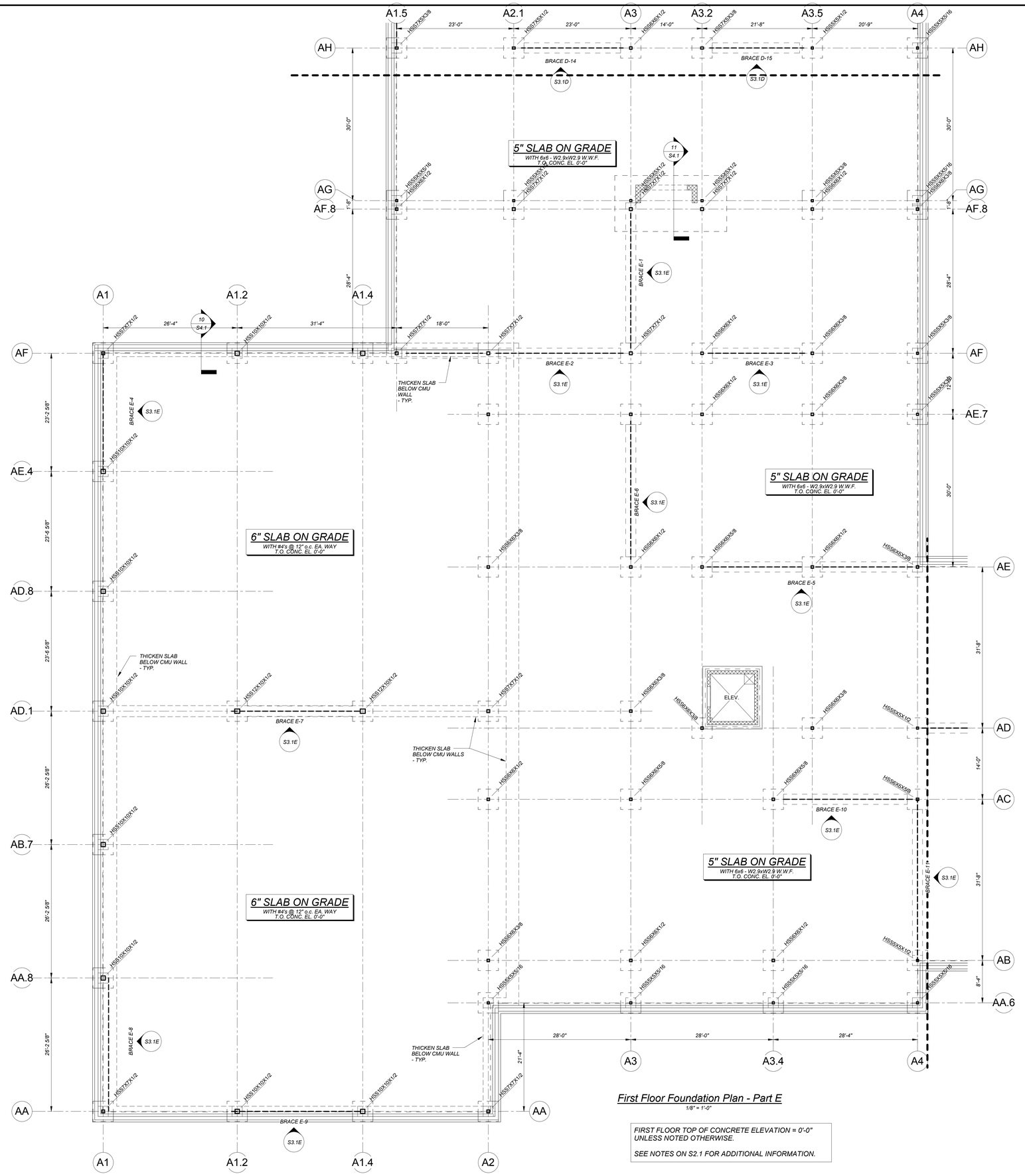


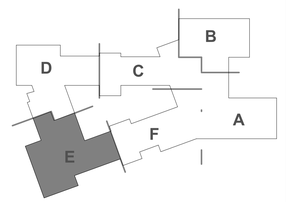
First Floor Foundation Plan - Part E

1/8" = 1'-0"

FIRST FLOOR TOP OF CONCRETE ELEVATION = 0'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.1 FOR ADDITIONAL INFORMATION.

KEYPLAN



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Dover HS / CTC
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First Floor Foundation/Framing Plan - Part E

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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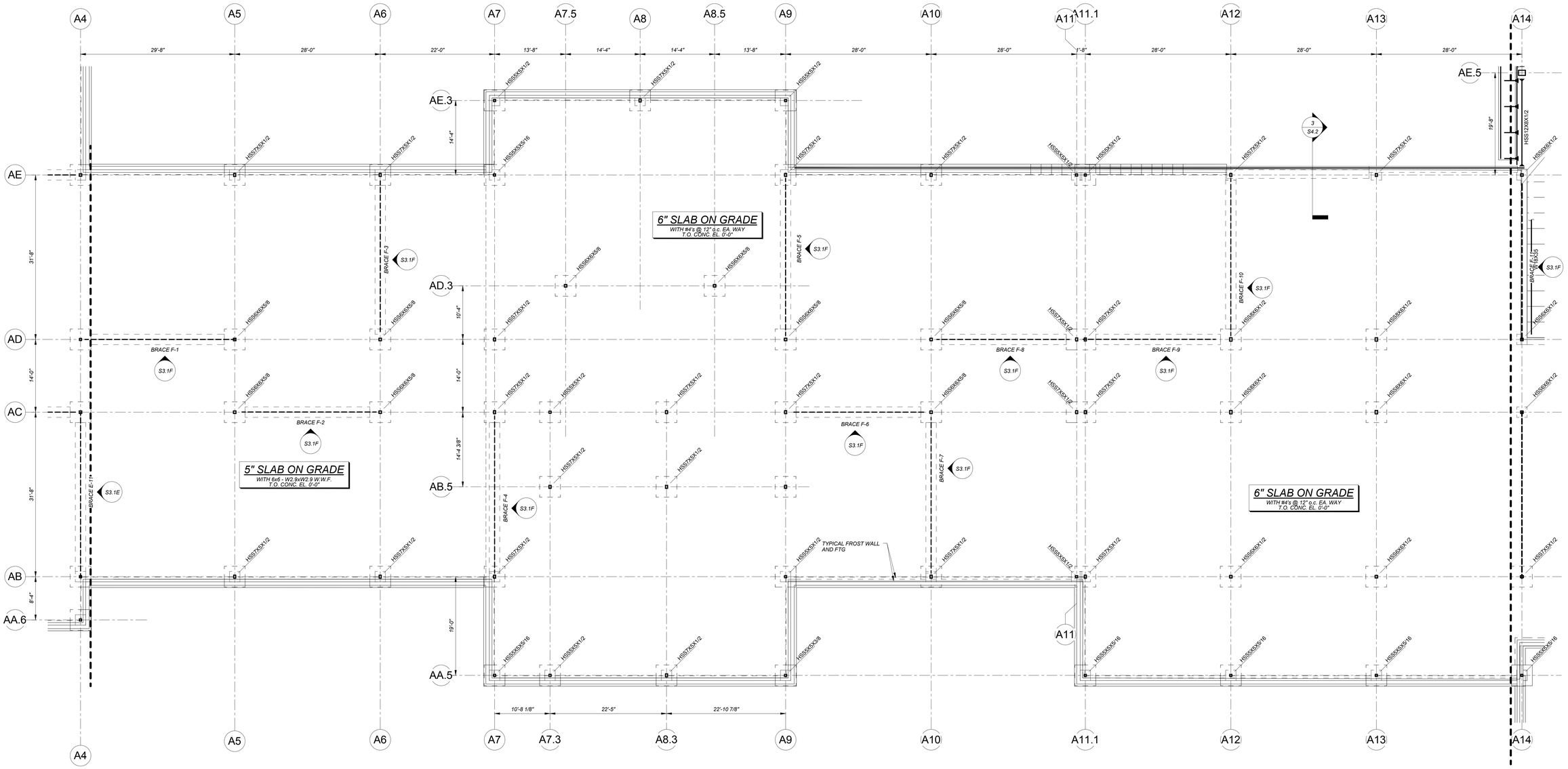

First Floor Foundation/Framing Plan - Part F

1/8" = 1'-0"

FIRST FLOOR TOP OF CONCRETE ELEVATION = 0'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.1 FOR ADDITIONAL INFORMATION.

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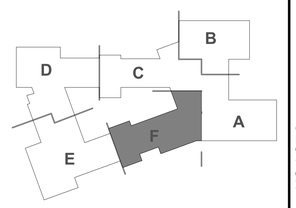

Dover HS / CTC
Dover, NH
First Floor Foundation/Framing Plan - Part F
SCALE: 1/8" = 1'-0"
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
S2.1F

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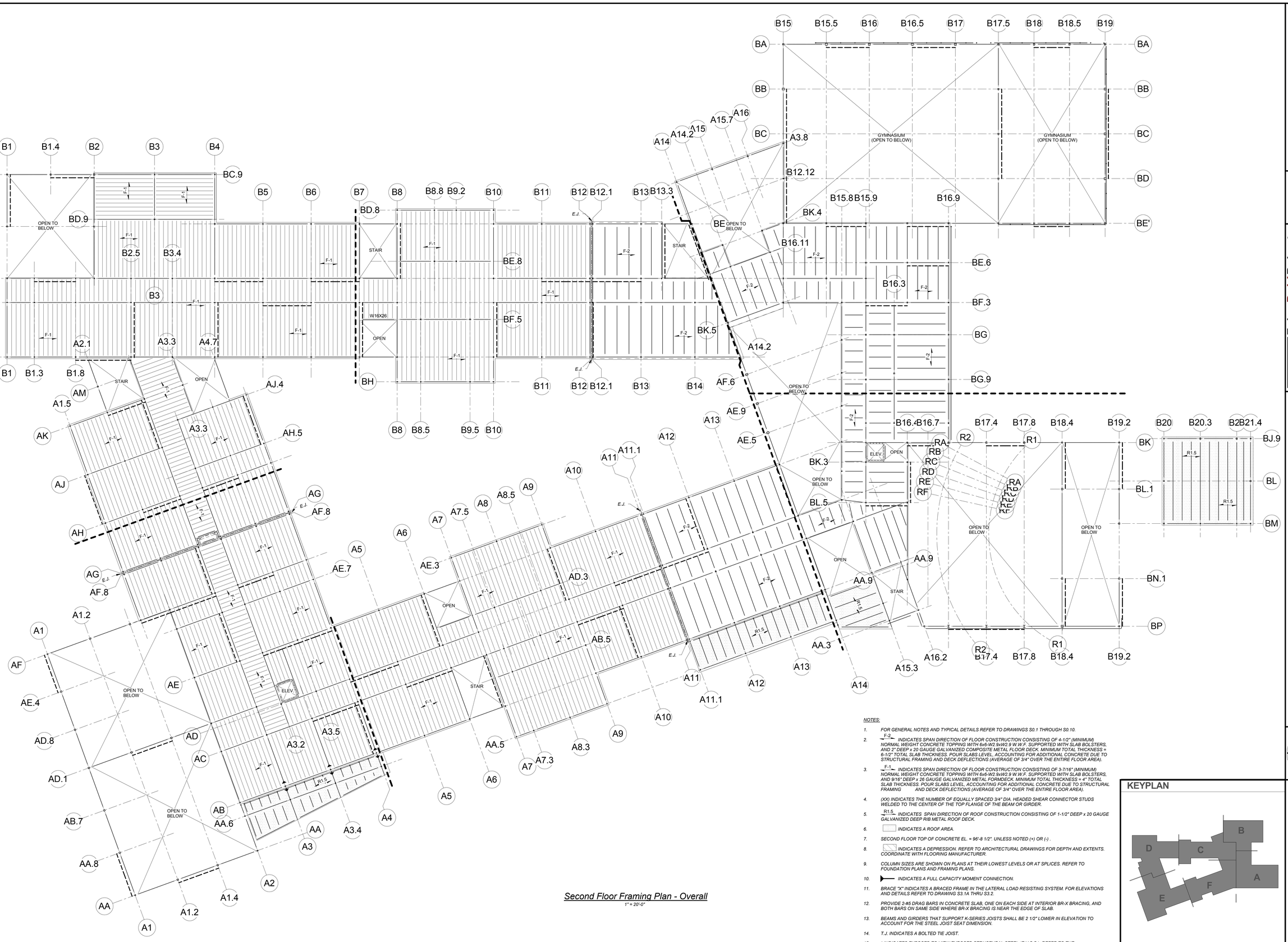
GYMNASIUM (OPEN TO BELOW)
GYMNASIUM (OPEN TO BELOW)
STAIR
OPEN TO BELOW
OPEN
W16X26
ELEV.
STAIR
OPEN TO BELOW
OPEN
OPEN TO BELOW
OPEN TO BELOW
OPEN TO BELOW
OPEN
STAIR
OPEN TO BELOW
OPEN
STAIR
OPEN TO BELOW
ELEV.
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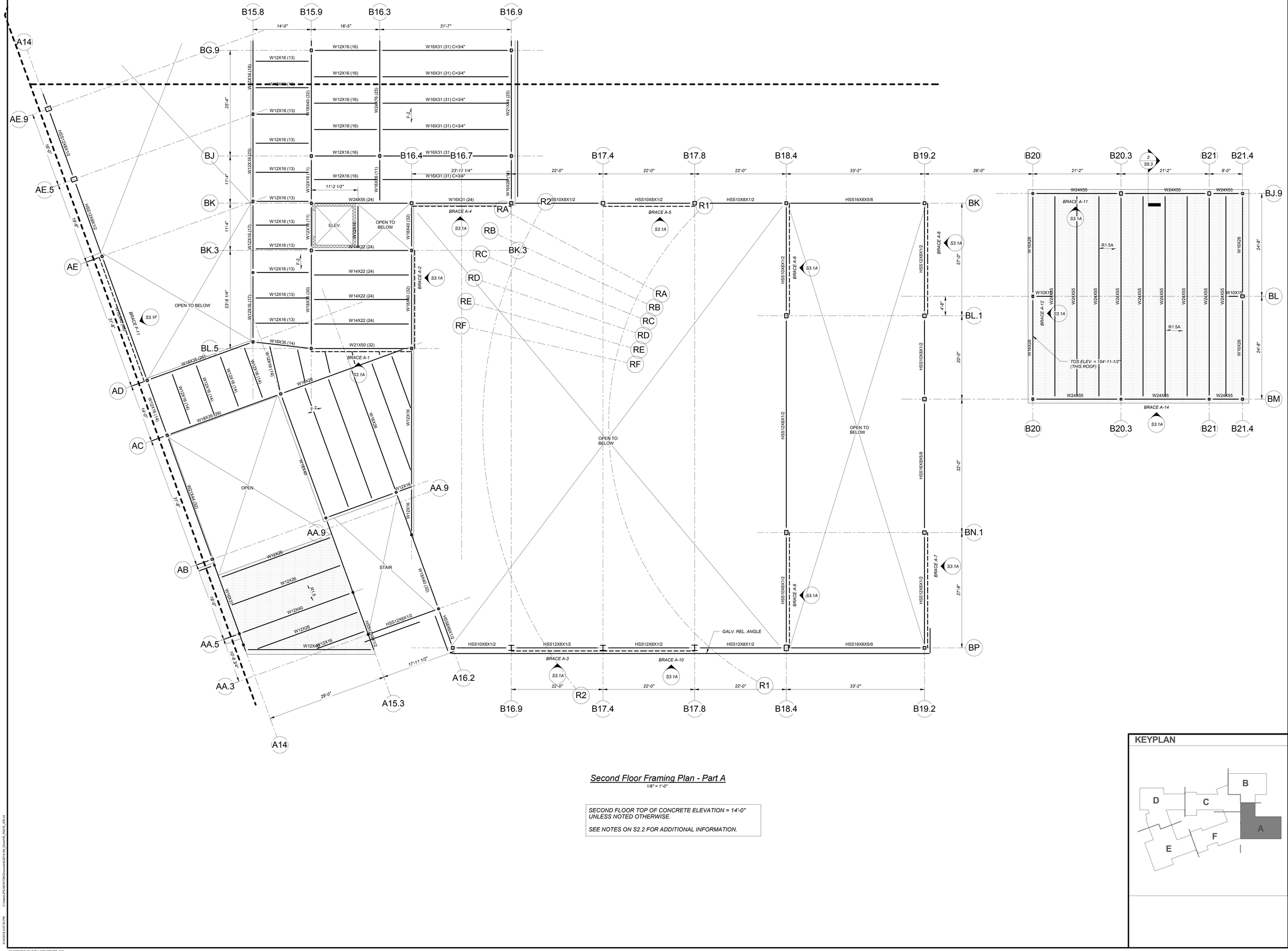

Second Floor Framing Plan - Part A

1/8" = 1'-0"

SECOND FLOOR TOP OF CONCRETE ELEVATION = 14'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.2 FOR ADDITIONAL INFORMATION.

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KEYPLAN

Dover HS / CTC
Dover, NH
Second Floor Framing Plan - Part A

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SCALE: 1/8" = 1'-0"

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S2.2A

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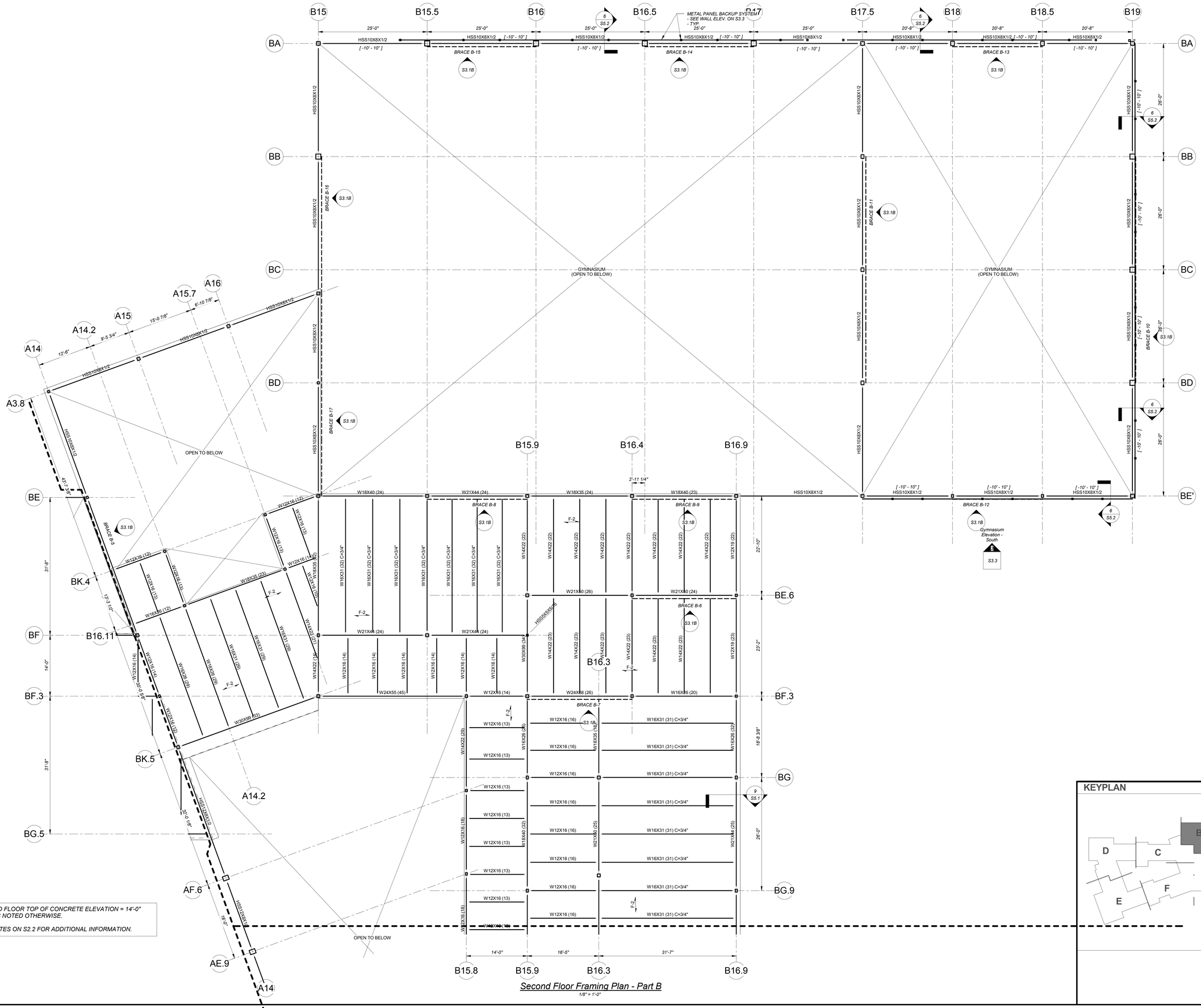
B15
B15.5
B16
B16.5
B17
B17.5
B18
B18.5
B19
BA
BB
BC
BD
BE
BF
BG
BE'
BE.6
BF.3
BG.9
BK.4
BK.5
BG.5
AF.6
AE.9
A14
A14.2
A15
A15.7
A16
A3.8
B15.8
B15.9
B16.3
B16.4
B16.9
B16.11
AE.9
METAL PANEL BACKUP SYSTEM - SEE WALL ELEV. ON S3.3 - TYP.
25'-0"
20'-8"
[-10' - 10"]
HSS10X8X1/2
BRACE B-15
BRACE B-14
BRACE B-13
BRACE B-16
BRACE B-17
BRACE B-11
BRACE B-10
BRACE B-8
BRACE B-9
BRACE B-12
BRACE B-6
BRACE B-7
BRACE B-5
S3.1B
GYMNASIUM (OPEN TO BELOW)
OPEN TO BELOW
Gymnasium Elevation - South
S3.3
W18X40 (24)
W21X44 (24)
W18X35 (24)
W18X40 (23)
W21X50 (26)
W21X50 (24)
W21X44 (24)
W24X55 (45)
W12X16 (14)
W24X68 (26)
W16X26 (20)
W14X22 (22)
W14X22 (23)
W12X19 (22)
W12X19 (23)
W16X31 (32) C=3/4"
W16X31 (31) C=3/4"
W16X31 (28)
W16X26 (26)
W16X26 (25)
W16X26 (32)
W16X40 (32)
W21X68 (25)
W21X44 (25)
W12X16 (13)
W12X16 (16)
W12X16 (18)
W14X22 (26)
W14X22 (23)
W30X99 (30)
W30X99 (33)
W30X90 (30)
W12X16 (12)
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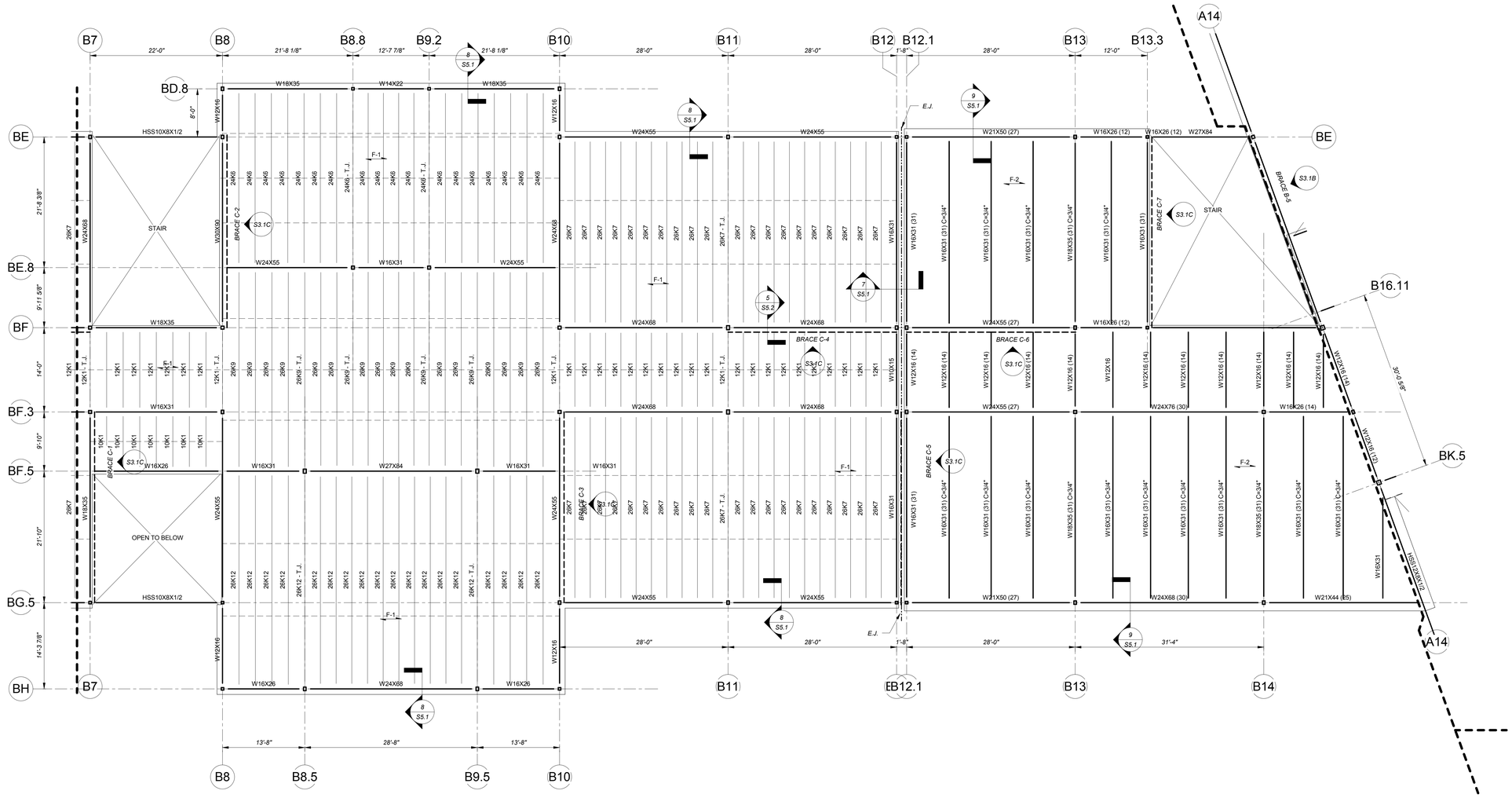


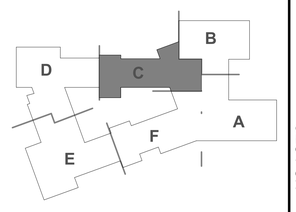
Second Floor Framing Plan - Part C

1/8" = 1'-0"

SECOND FLOOR TOP OF CONCRETE ELEVATION = 14'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.2 FOR ADDITIONAL INFORMATION.

KEYPLAN



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PLAN NORTH
TRUE NORTH

Dover HS / CTC
Dover, NH
Second Floor Framing Plan - Part C

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S2.2C

JOB NUMBER 403114

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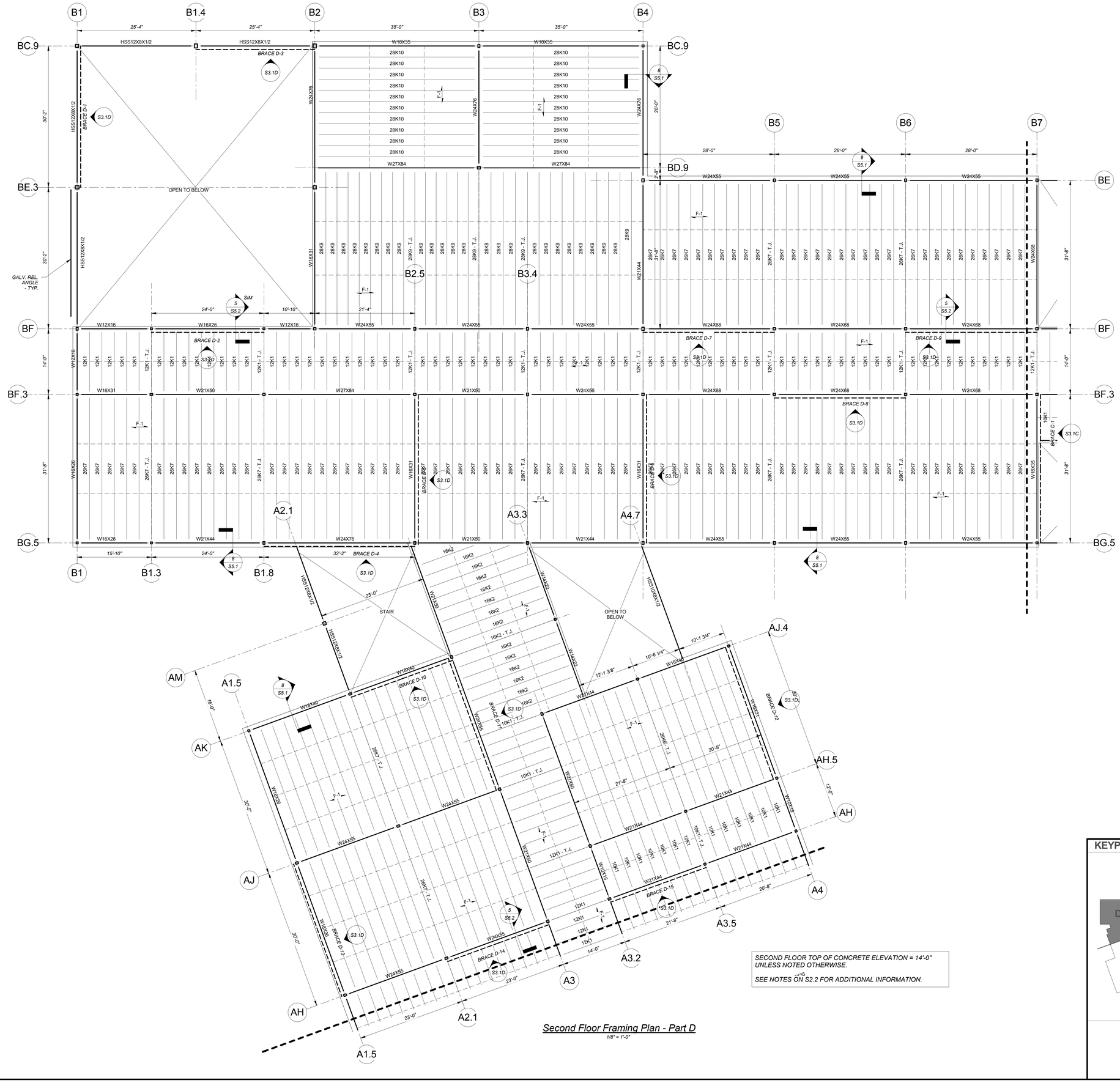

SECOND FLOOR TOP OF CONCRETE ELEVATION = 14'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.2 FOR ADDITIONAL INFORMATION.

Second Floor Framing Plan - Part D

1/8" = 1'-0"

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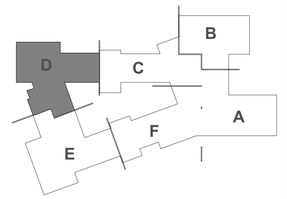
KEYPLAN



Dover HS / CTC
Dover, NH
Second Floor Framing Plan - Part D

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S2.2D

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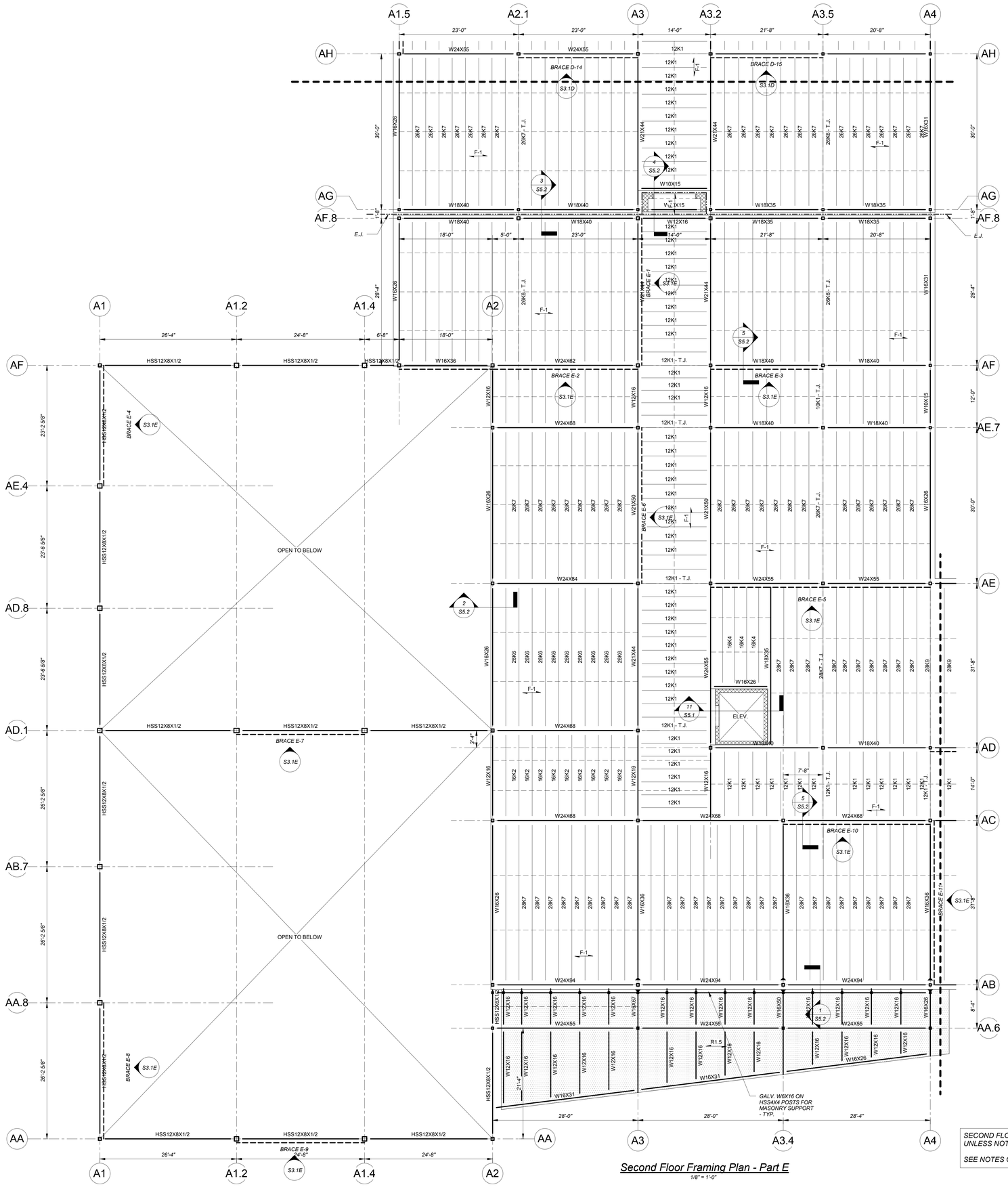


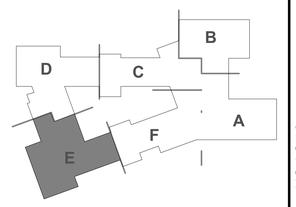
Second Floor Framing Plan - Part E

1/8" = 1'-0"

SECOND FLOOR TOP OF CONCRETE ELEVATION = 14'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.2 FOR ADDITIONAL INFORMATION.

KEYPLAN



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PLAN NORTH
GRID "A" AT 180°

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Dover, NH
Second Floor Framing Plan - Part E

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S2.2E

JOB NUMBER 403114

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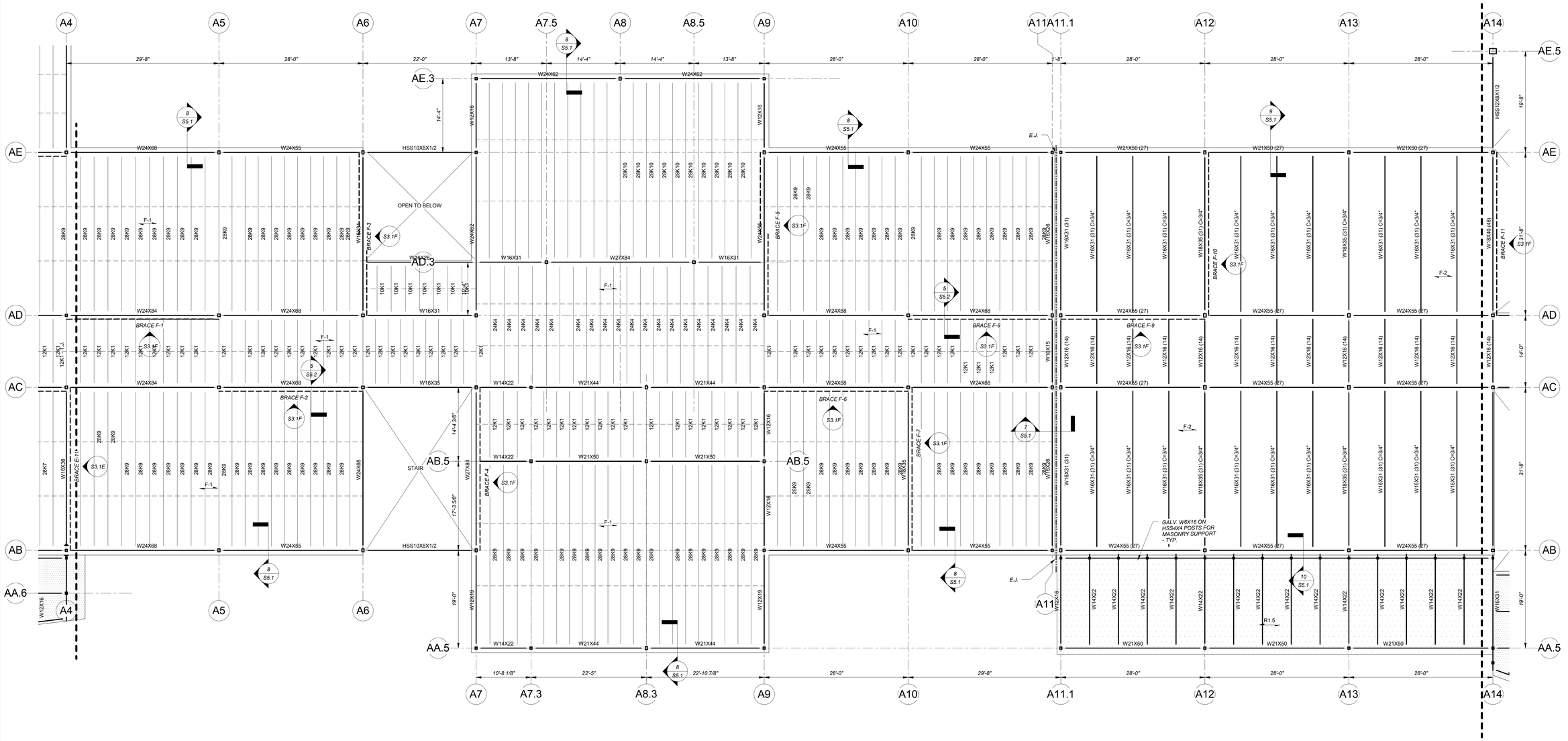


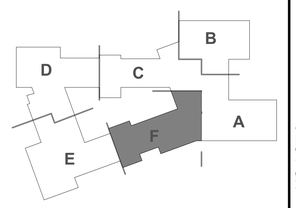
Second Floor Framing Plan - Part F

1/8" = 1'-0"

SECOND FLOOR TOP OF CONCRETE ELEVATION = 14'-0" UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.2 FOR ADDITIONAL INFORMATION.

KEYPLAN



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Second Floor Framing Plan - Part F

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S2.2F

JOB NUMBER 403114

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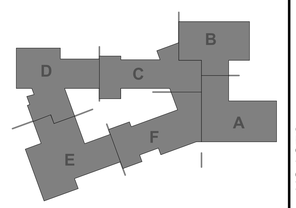
Main Roof Framing Plan - Overall

1" = 20'-0"

NOTES:

1. *FOR GENERAL NOTES AND TYPICAL DETAILS REFER TO DRAWINGS S0.1 THRU S0.10.*
2. *R1.5 INDICATES SPAN DIRECTION OF ROOF CONSTRUCTION CONSISTING OF 1-1/2" DEEP x 20 GAUGE GALVANIZED WIDE RIB METAL ROOF DECK.*
3. *R1.5A INDICATES SPAN DIRECTION OF ROOF CONSTRUCTION CONSISTING OF 1-1/2" DEEP x 20/20 GAUGE GALVANIZED, WITH PRIMED UNDERSIDE, DEEP RIB CELLULAR ACOUSTIC METAL ROOF DECK.*
4. *F-3 INDICATES SPAN DIRECTION OF ROOF CONSTRUCTION CONSISTING OF 3-1/2" (MINIMUM) NORMAL WEIGHT CONCRETE TOPPING WITH 6x6-W2.9xW2.9 W.W.F. SUPPORTED WITH SLAB BOLSTERS, AND 1-1/2" DEEP x 20 GAUGE GALVANIZED COMPOSITE METAL FLOOR DECK. MINIMUM TOTAL THICKNESS = 5" TOTAL SLAB THICKNESS.*
5. *F-3A INDICATES SPAN DIRECTION OF ROOF CONSTRUCTION CONSISTING OF 3-1/2" (MINIMUM) NORMAL WEIGHT CONCRETE TOPPING WITH 6x6-W2.9xW2.9 W.W.F. SUPPORTED WITH SLAB BOLSTERS, AND 1-1/2" DEEP x 20/20 GAUGE GALVANIZED COMPOSITE CELLULAR ACOUSTIC METAL FLOOR DECK. MINIMUM TOTAL THICKNESS = 5" TOTAL SLAB THICKNESS.*
6. *(XX) INDICATES THE NUMBER OF EQUALLY SPACED 3/4" DIA. HEADED SHEAR CONNECTOR STUDS WELDED TO THE CENTER OF THE TOP FLANGE OF THE BEAM OR GIRDER.*
7. *BEAMS AND GIRDERS THAT SUPPORT K-SERIES JOISTS SHALL BE 2-1/2" LOWER IN ELEVATION TO ACCOUNT FOR STEEL JOIST SEAT DIMENSION.*
8. *BEAMS AND GIRDERS THAT SUPPORT DLH-SERIES JOISTS SHALL BE 7-1/2" LOWER IN ELEVATION TO ACCOUNT FOR STEEL JOIST SEAT DIMENSION.*
9. *ALL OPEN WEB STEEL JOISTS SHALL BE BRIDGED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE (SJI). ROOF JOISTS SHALL HAVE A LINE OF "UPLIFT" BRIDGING AT THE FIRST INTERIOR BOTTOM CHORD PANEL POINT AT EACH END.*
10. *T.J. INDICATES A BOLTED TIE JOIST.*
11. *ROOF TOP OF STRUCTURAL STEEL/UNDERSIDE OF METAL DECK ELEVATION = 28'-0" UNLESS NOTED OTHERWISE.*
12. *INDICATES A FULL CAPACITY MOMENT CONNECTION.*
13. *BRACE "X" INDICATES A BRACED FRAME IN THE LATERAL LOAD RESISTING SYSTEM. FOR ELEVATIONS AND DETAILS REFER TO DRAWING S3.1A THRU S3.2.*
14. ** INDICATES EXPOSED TO VIEW EXPOSED STRUCTURAL STEEL (E.V.S.S.). REFER TO THE SPECIFICATION FOR SURFACE PREPARATION AND FINISH REQUIREMENTS. COORDINATE LOCATIONS OF E.V.S.S. WITH ARCHITECTURAL DRAWINGS.*
15. *ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED.*
16. *PROVIDE STEEL ANGLE FRAMES AROUND EACH ROOF PENETRATION (SEE TYPICAL DETAILS). COORDINATE DIMENSIONS AND LOCATIONS OF ALL ROOF DRAINS, SKYLIGHTS, VENTS, AND DUCT PENETRATIONS WITH ARCHITECTURAL AND M.E.P. DRAWINGS.*

KEYPLAN



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Main Roof Framing Plan - Overall

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SCALE: As indicated

DRAWING NUMBER
S2.3

JOB NUMBER 403114

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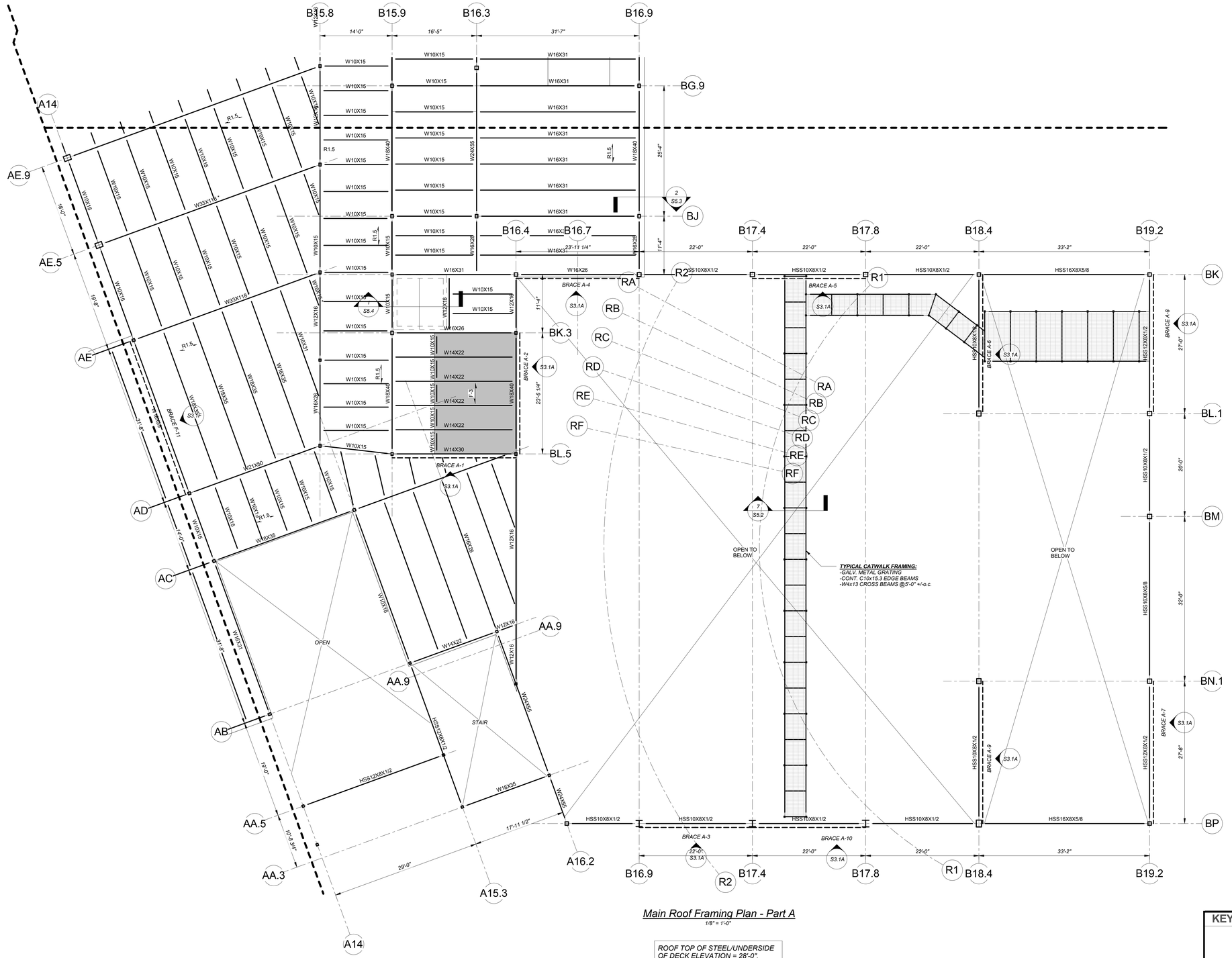


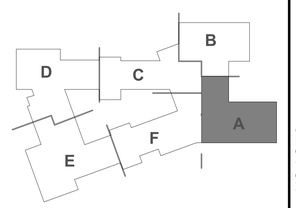
Main Roof Framing Plan - Part A

1/8" = 1'-0"

ROOF TOP OF STEEL/UNDERSIDE OF DECK ELEVATION = 28'-0", UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.3 FOR ADDITIONAL INFORMATION.

KEYPLAN



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PLAN NORTH
TRUE NORTH

Dover HS / CTC
Dover, NH
Main Roof Framing Plan - Part A

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S2.3A

JOB NUMBER 403114

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ROOF TOP OF STEEL/UNDERSIDE OF DECK ELEVATION = 28'-0", UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.3 FOR ADDITIONAL INFORMATION.

Main Roof Framing Plan - Part B

1/8" = 1'-0"

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KEYPLAN

Dover HS / CTC
Dover, NH
Main Roof Framing Plan - Part B

SCALE: 1/8" = 1'-0"
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DRAWING NUMBER
S2.3B

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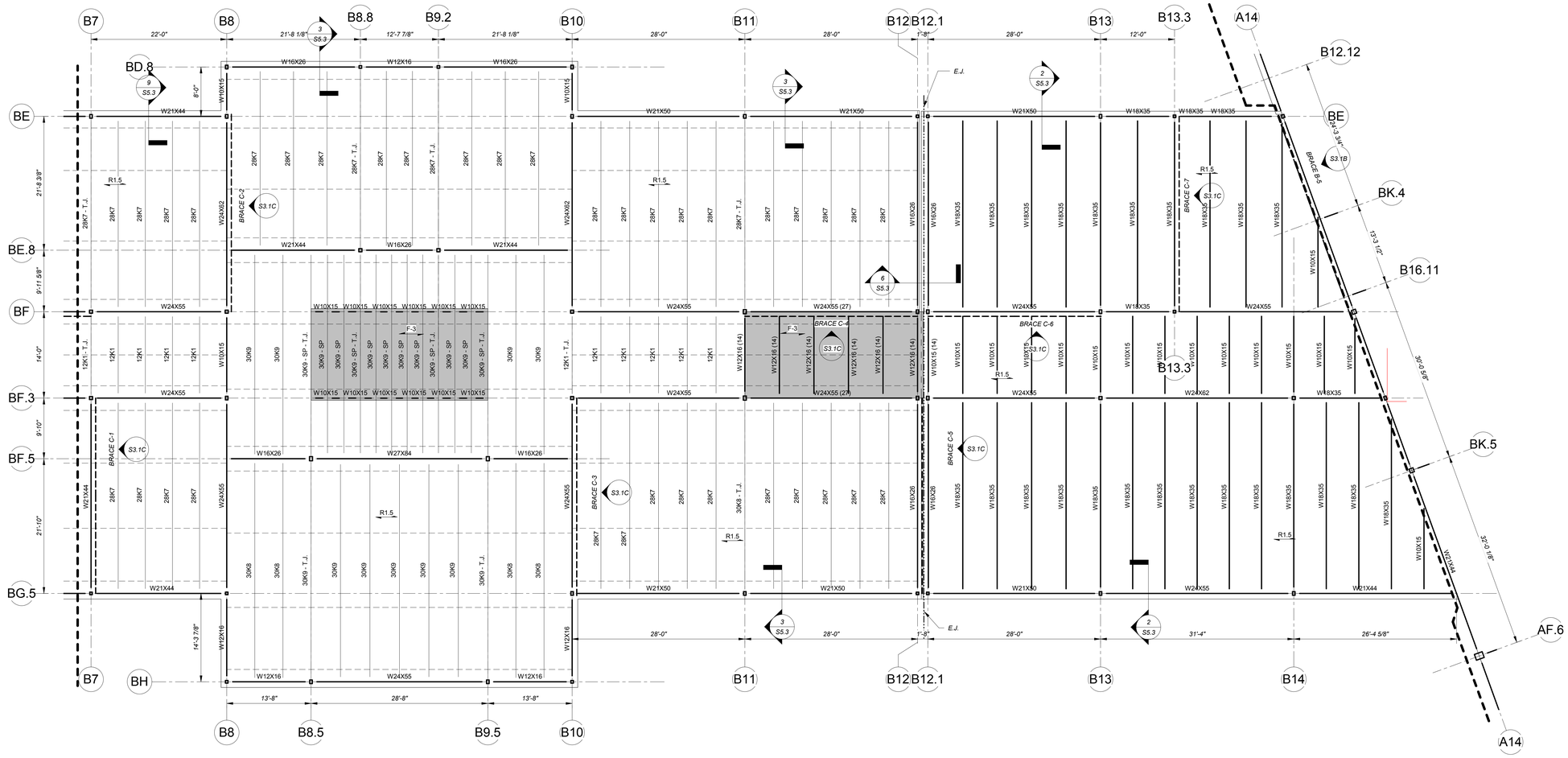


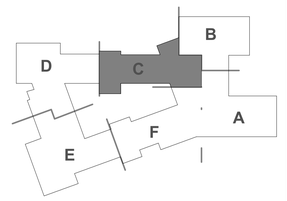
Main Roof Framing Plan - Part C

1/8" = 1'-0"

ROOF TOP OF STEEL/UNDERSIDE OF DECK ELEVATION = 28'-0", UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.3 FOR ADDITIONAL INFORMATION.

KEYPLAN



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PLAN NORTH
TRUE NORTH

Dover HS / CTC
Dover, NH
Main Roof Framing Plan - Part C

SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S2.3C

JOB NUMBER 403114

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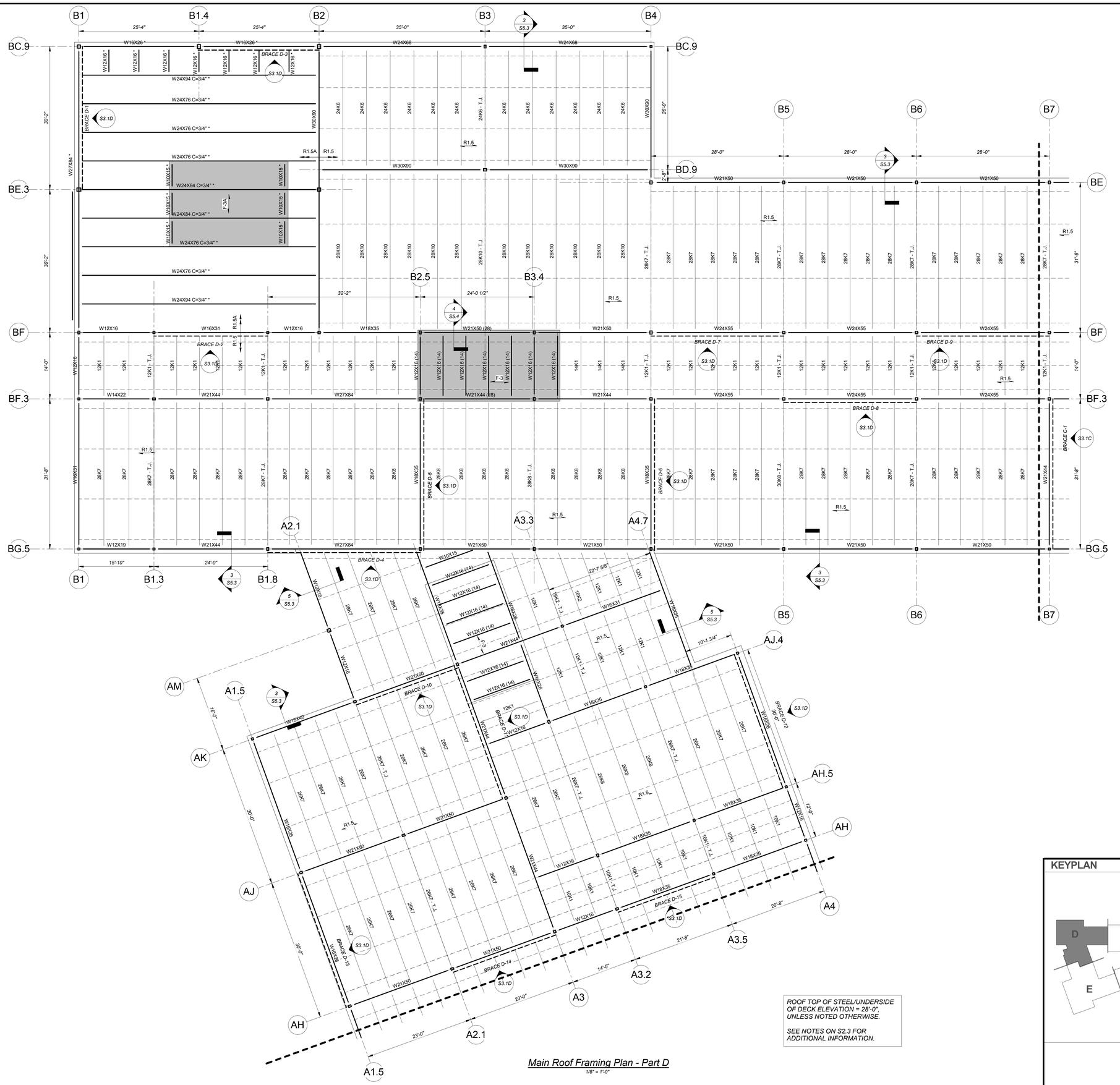
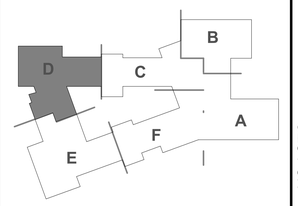


Main Roof Framing Plan - Part D
1/8" = 1'-0"

ROOF TOP OF STEEL/UNDERSIDE OF DECK ELEVATION = 28'-0", UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.3 FOR ADDITIONAL INFORMATION.

KEYPLAN



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PLAN NORTH
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Dover, NH
Main Roof Framing Plan - Part D

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DRAWING NUMBER
S2.3D

JOB NUMBER 403114

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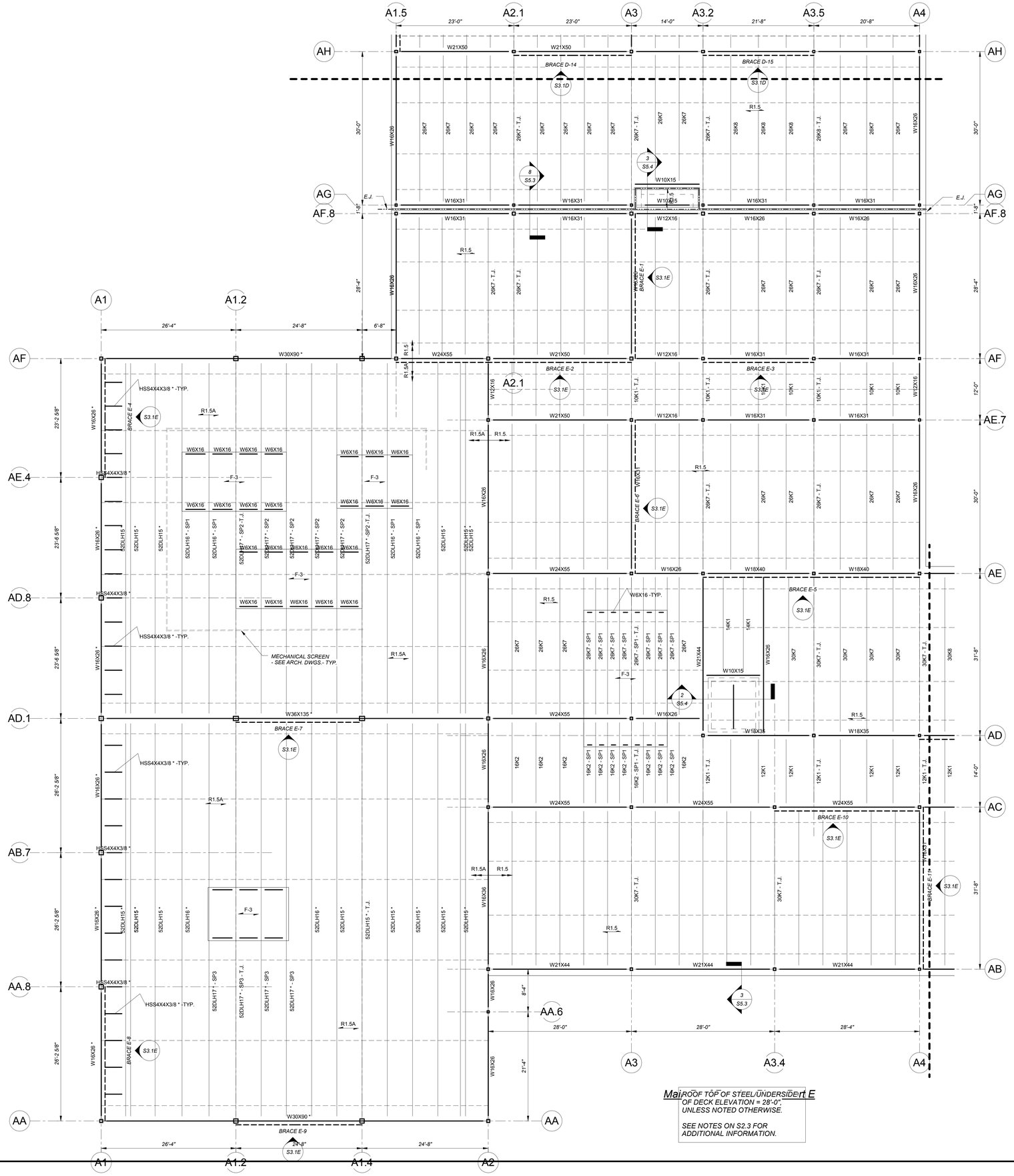
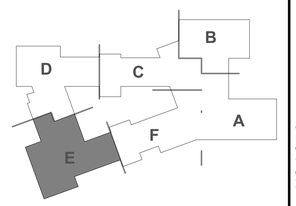


Main ROOF TOP OF STEEL/UNDERSIDE OF DECK ELEVATION = 28'-0", UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.3 FOR ADDITIONAL INFORMATION.

KEYPLAN



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Main Roof Framing Plan - Part E

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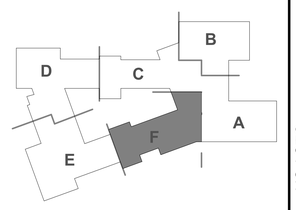
Main Roof Framing Plan - Part F

1/8" = 1'-0"

ROOF TOP OF STEEL/UNDERSIDE OF DECK ELEVATION = 28'-0", UNLESS NOTED OTHERWISE.

SEE NOTES ON S2.3 FOR ADDITIONAL INFORMATION.

KEYPLAN



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Main Roof Framing Plan - Part F

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S2.3F

JOB NUMBER 403114

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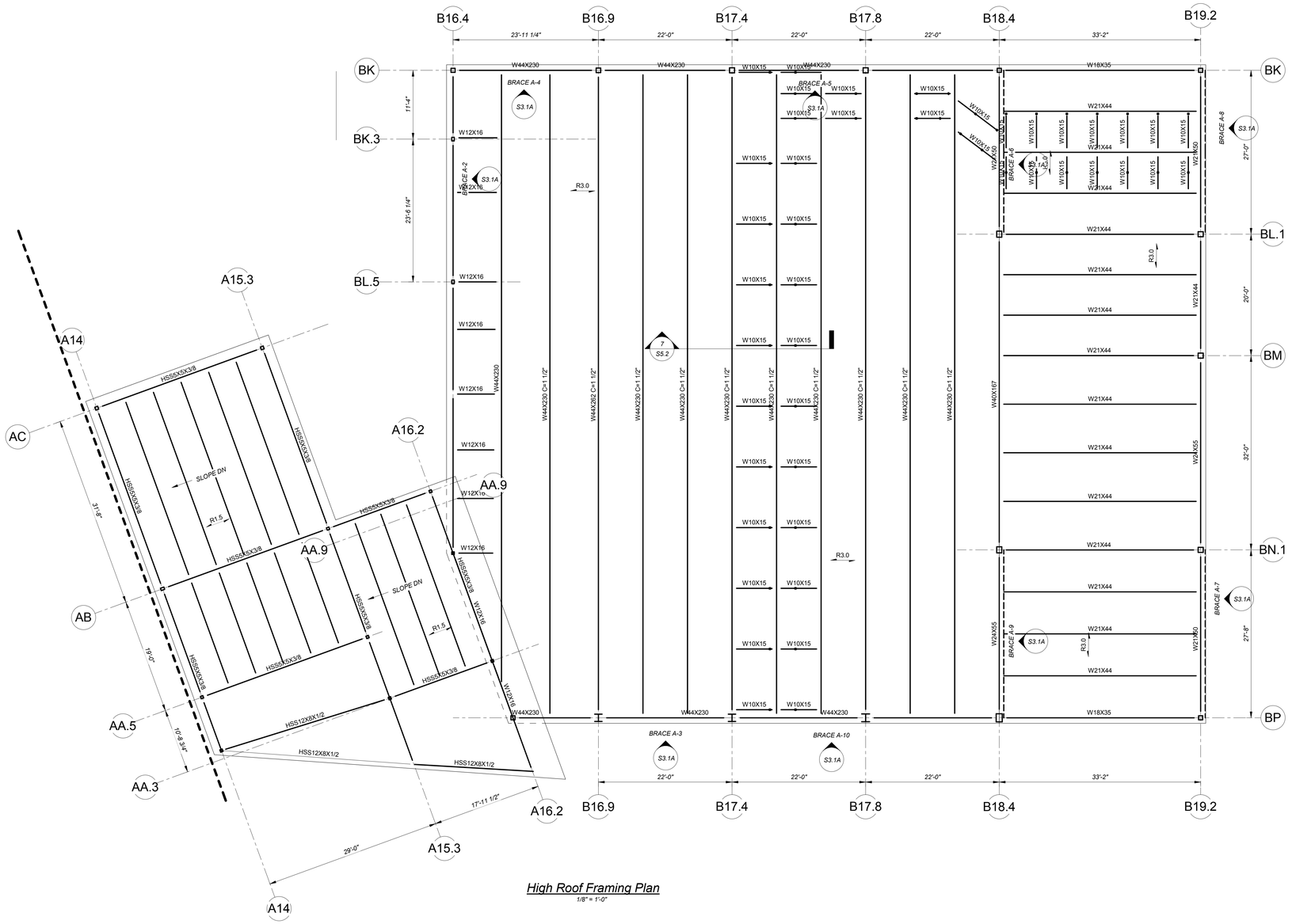
B16.4
B16.9
B17.4
B17.8
B18.4
B19.2
23'-11 1/4"
22'-0"
22'-0"
22'-0"
33'-2"
BK
BK.3
BL.5
BL.1
BM
BN.1
BP
11'-4"
23'-6 1/4"
27'-0"
20'-0"
32'-0"
27'-8"
W44X230
W18X35
W12X16
W10X15
W21X44
W21X50
W24X55
W40X167
W24X230
W24X262
W24X207
W21X68
W21X93
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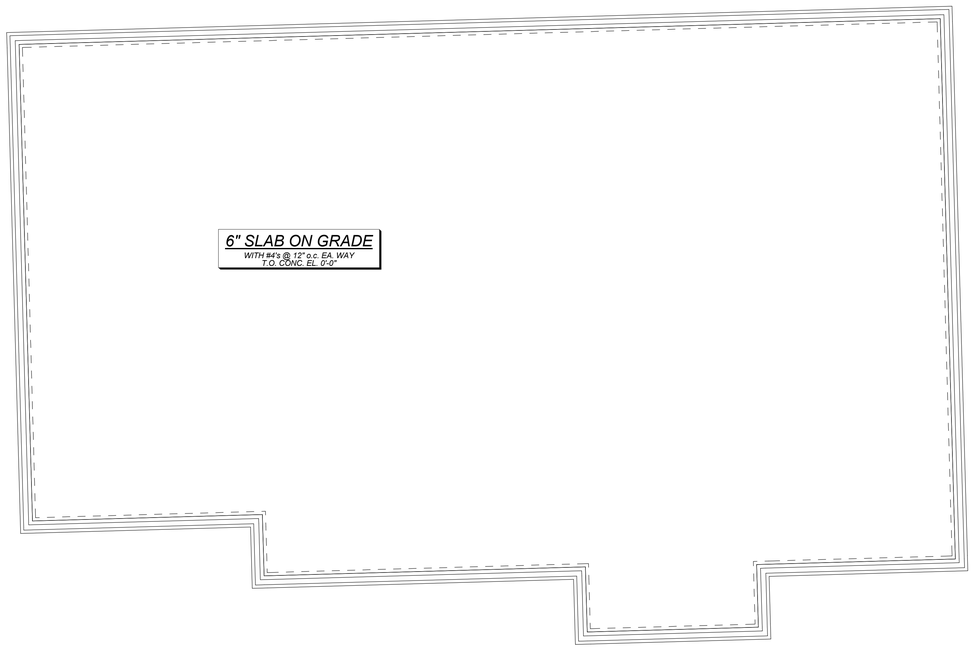

First Floor/Foundation Plans - Animal Science

1/8" = 1'-0"

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First Floor/Foundation and Framing Plans - Animal Science
SCALE: 1/8" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
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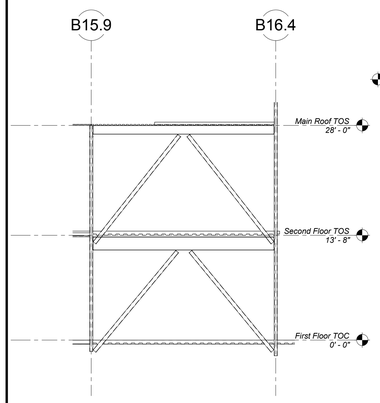
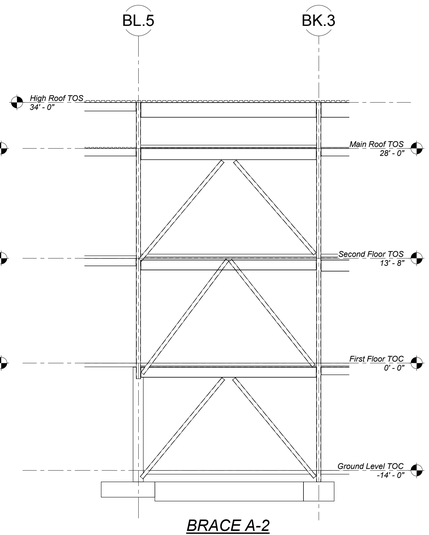


BRACE A-1
1/8" = 1'-0"



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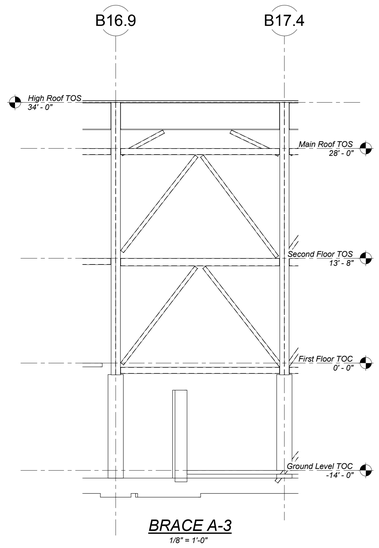

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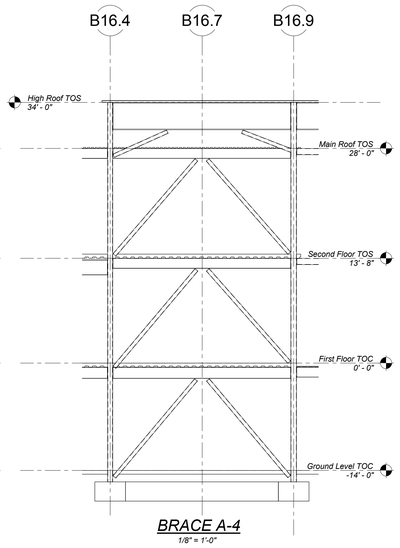

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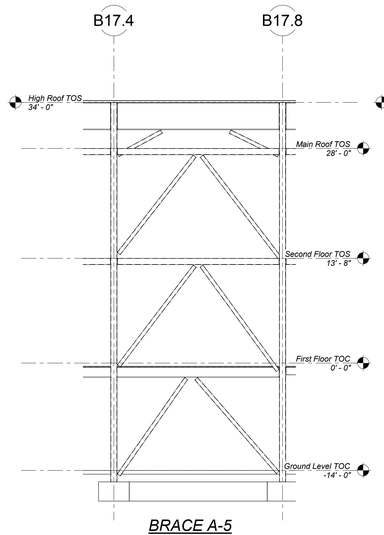

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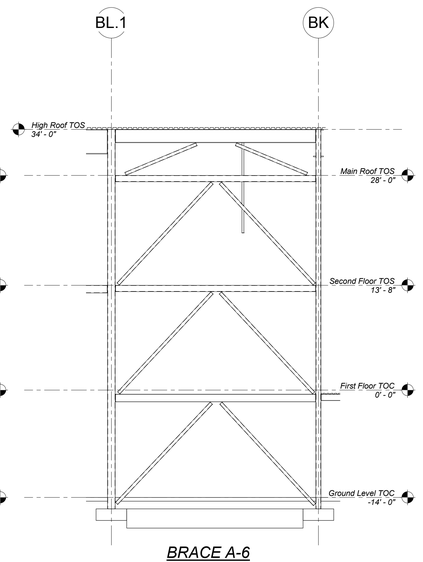

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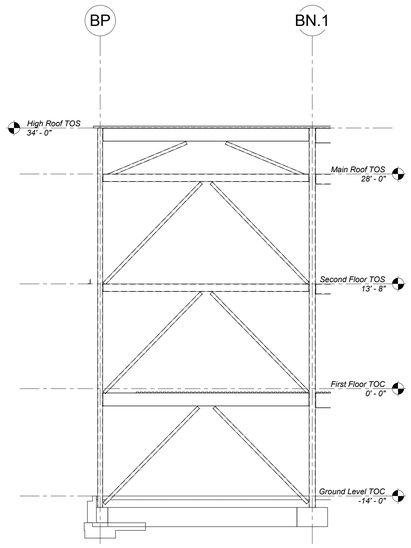

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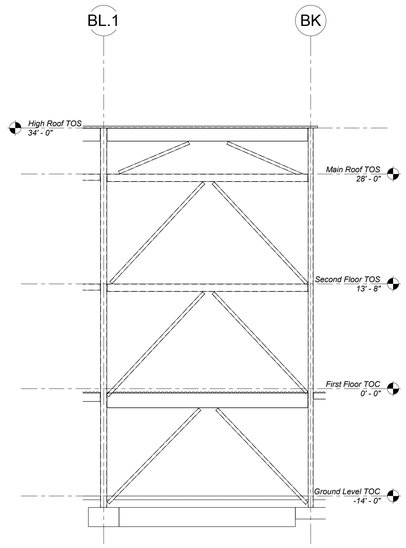

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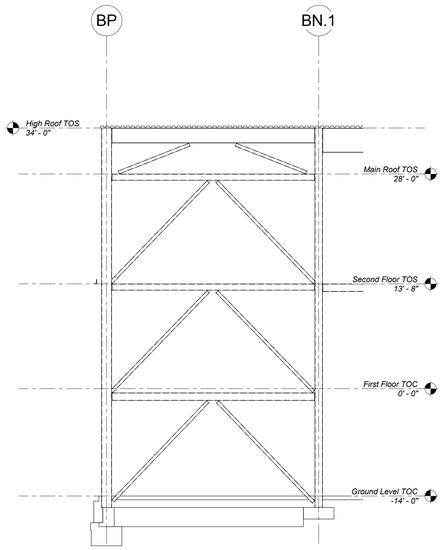

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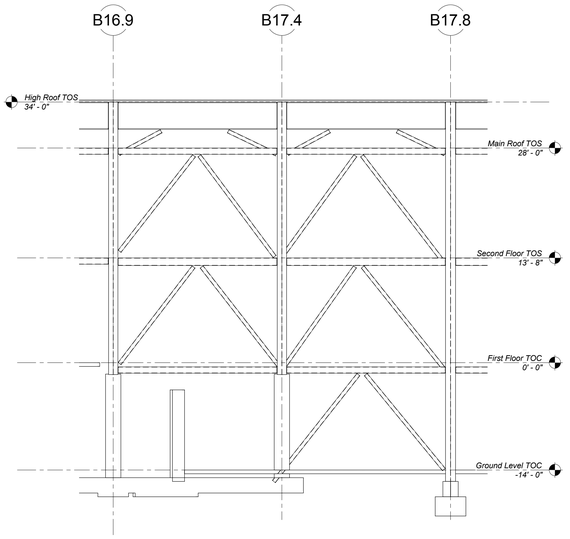

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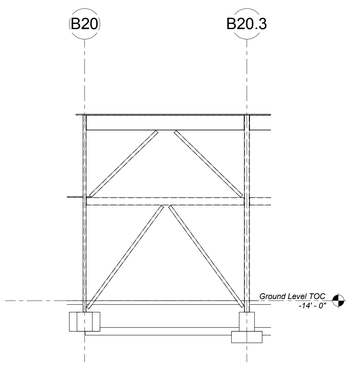

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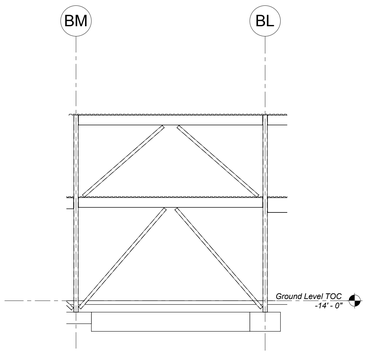

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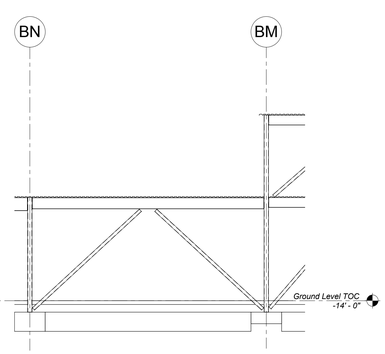

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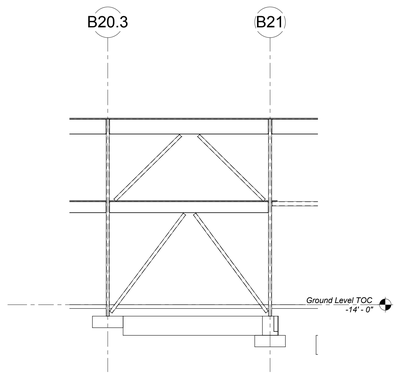

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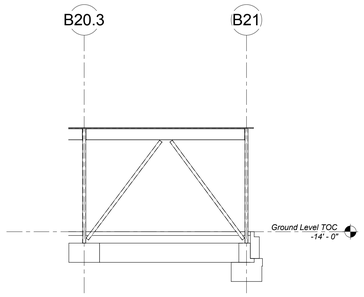
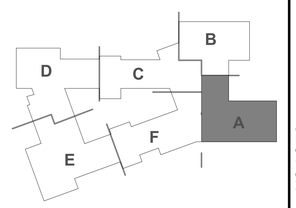


BRACE A-15
1/8" = 1'-0"

LATERAL LOAD RESISTING SYSTEM NOTES:

1. *BRACING ELEVATIONS AND DETAILS ARE SCHEMATIC ONLY AND ARE INTENDED TO SHOW BRACING CONFIGURATIONS AND CONNECTIONS DESIGN REQUIREMENTS.*
2. *BRACE FORCE (KIPS) TO BE USED FOR CONNECTION DESIGN IS INDICATED THUS (±0.0 K). ONE THIRD INCREASE IN ALLOWABLE STRESS IS NOT PERMITTED IN BRACING CONNECTIONS. CONNECTIONS ARE TO BE DESIGNED USING THE ALLOWABLE STRESS DESIGN (A.S.D.) METHOD.*
3. *BRACE OFFSET DIMENSIONS ARE MEASURED FROM INTERSECTION OF CENTER OF BEAMS AND BRACES TO GRID LINES.*
4. *COORDINATE SIZE AND LOCATION OF BRACING WITH WALL OPENINGS SHOWN ON ARCHITECTURAL DRAWINGS.*
5. *REFER TO PLANS FOR BEAM SIZES, COLUMN SIZES, AND BRACING LOCATIONS.*
6. *TOP CONNECTION OF EACH BRACING MEMBER SHALL REMAIN LOOSE AND ACCESSIBLE UNTIL THE BUILDING HAS BEEN PLUMBED.*
7. *BOLTED BRACE CONNECTIONS SHALL BE SLIP-CRITICAL (SC) TYPE.*
8. *ALL WELDS IN BRACING CONNECTIONS SHALL HAVE A MINIMUM LENGTH OF THREE INCHES.*

KEYPLAN



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Dover HS / CTC
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Brace Frame Elevations - Part A

SCALE: As indicated
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DRAWING NUMBER
S3.1A

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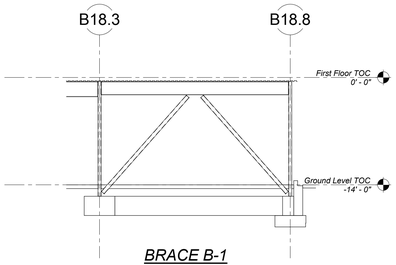

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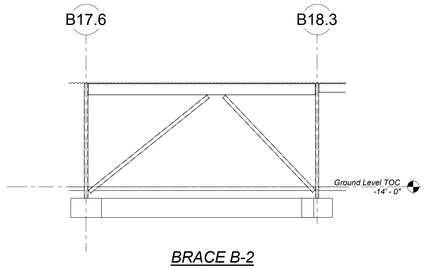

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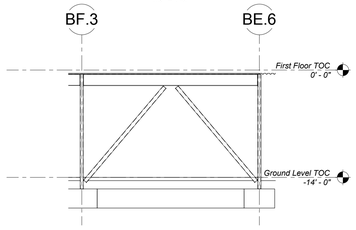

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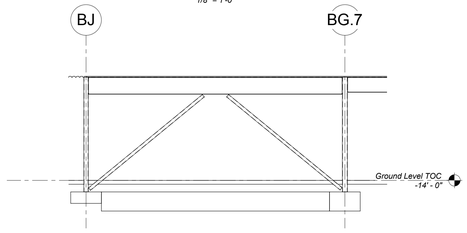

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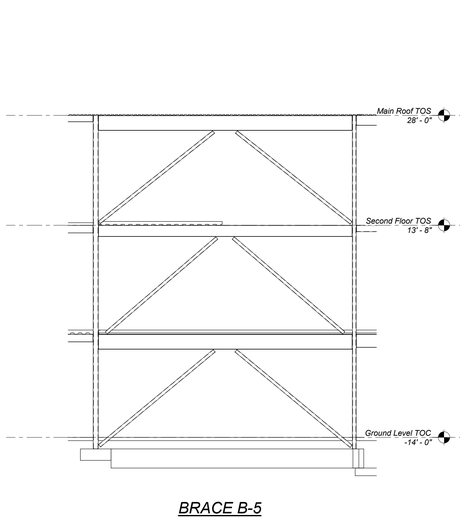

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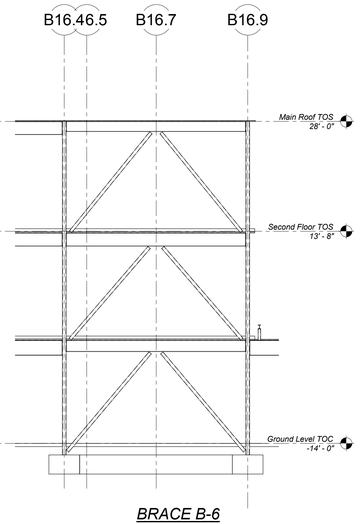

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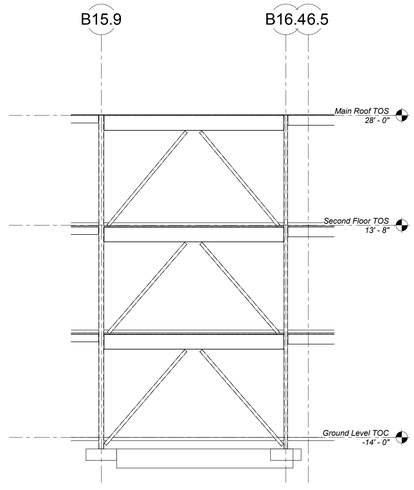

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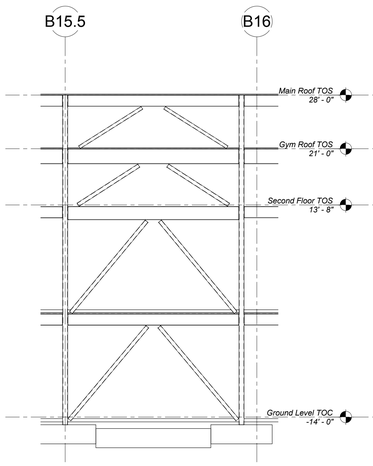

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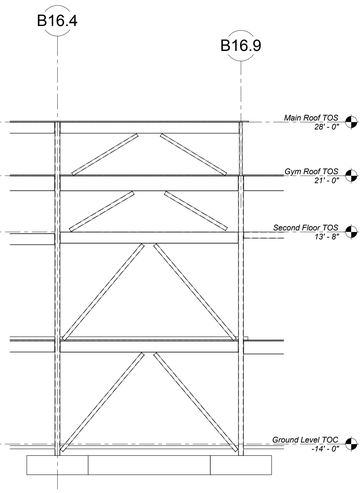

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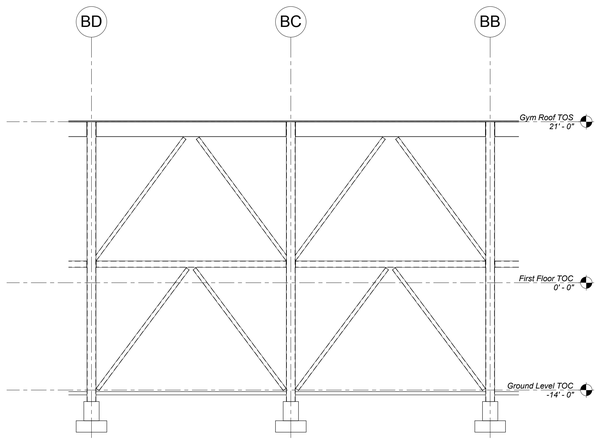

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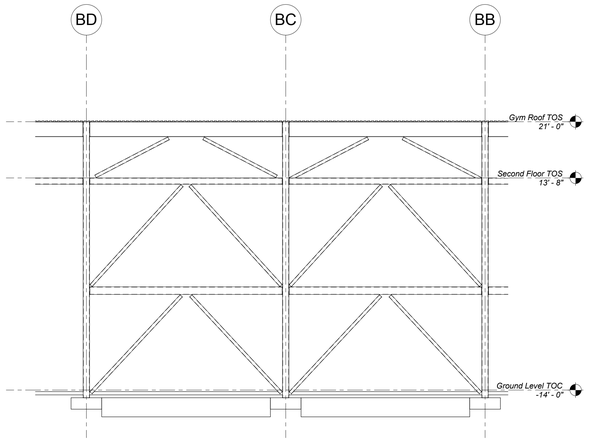

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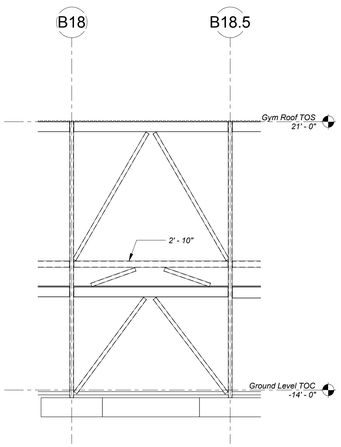

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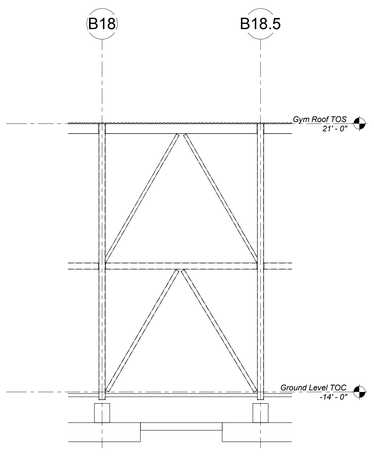

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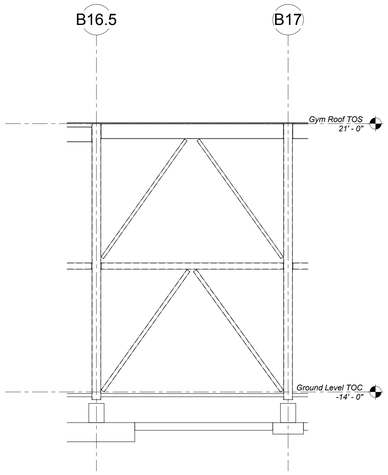
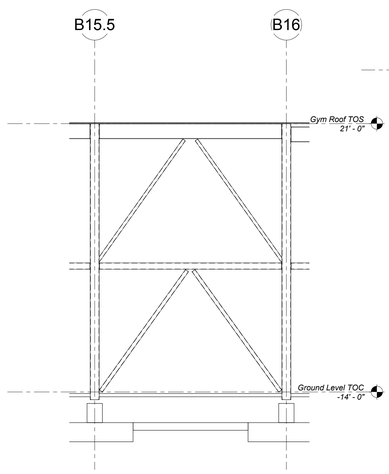
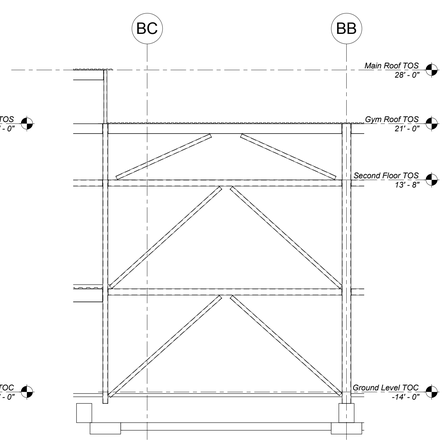
1/8" = 1'-0"



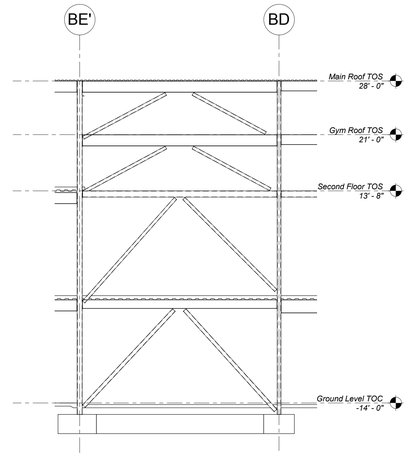
BRACE B-14
1/8" = 1'-0"



BRACE B-15
1/8" = 1'-0"



BRACE B-16
1/8" = 1'-0"



BRACE B-17
1/8" = 1'-0"

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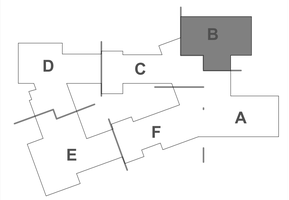
8. *ALL WELDS IN BRACING CONNECTIONS SHALL HAVE A MINIMUM LENGTH OF THREE INCHES.*

KEYPLAN



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3-15-2016

Dover HS / CTC
Dover, NH
Brace Frame Elevations - Part B

DRAWN BY: Author CHECKED BY: Checker
SCALE: As Indicated

DRAWING NUMBER
S3.1B

JOB NUMBER 403114

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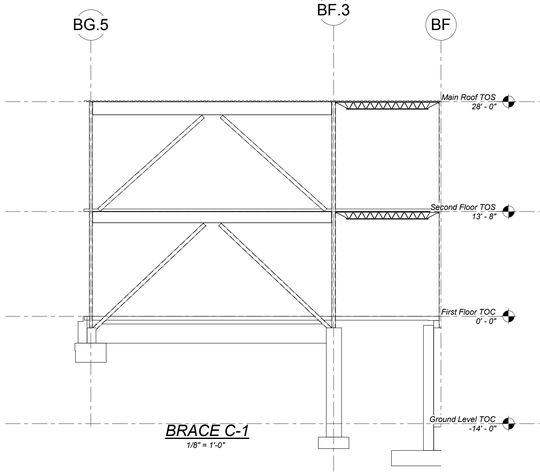
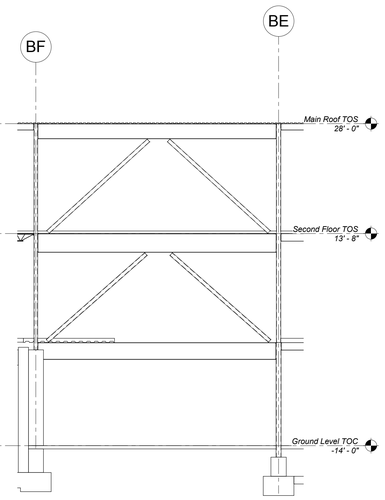


BRACE C-1
1/8" = 1'-0"



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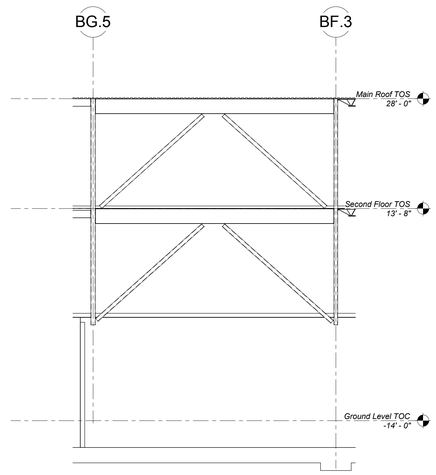
1/8" = 1'-0"



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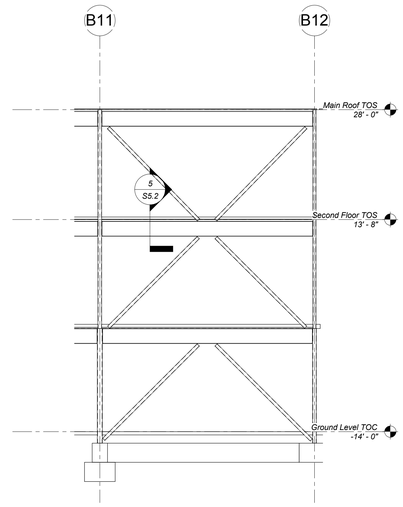
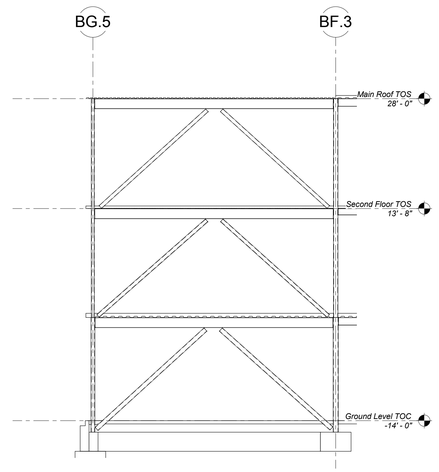
1/8" = 1'-0"



BRACE C-4
1/8" = 1'-0"



BRACE C-5
1/8" = 1'-0"

BRACE C-6
1/8" = 1'-0"

BRACE C-7
1/8" = 1'-0"

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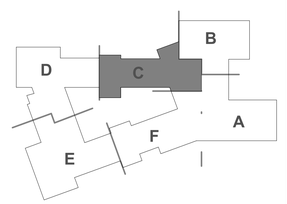

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Brace Frame Elevations - Part C

SCALE: As indicated
DRAWN BY: DCD
CHECKED BY: Checker

DRAWING NUMBER
S3.1C

JOB NUMBER 403114

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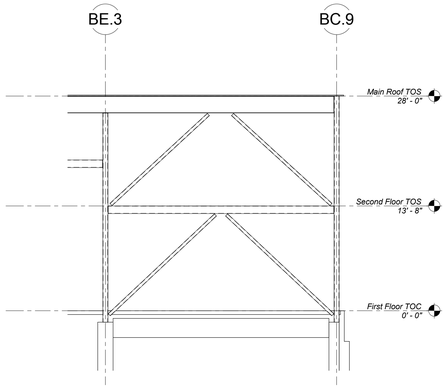
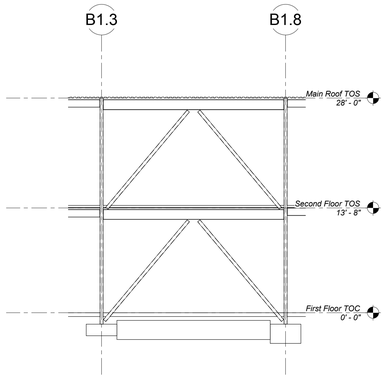
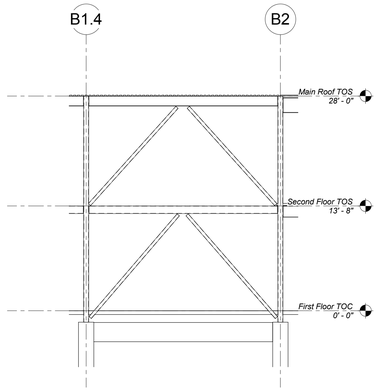


BRACE D-1
1/8" = 1'-0"



BRACE D-2
1/8" = 1'-0"



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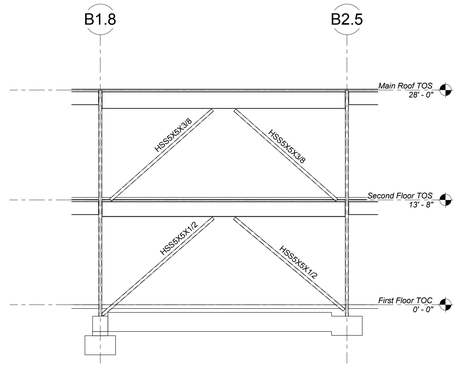
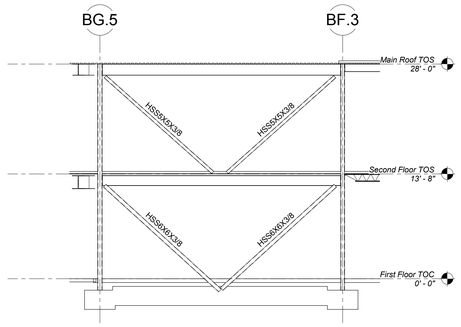
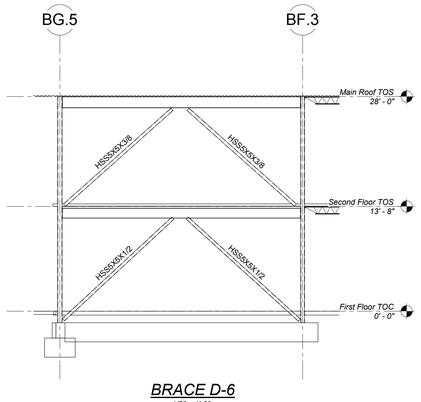
1/8" = 1'-0"



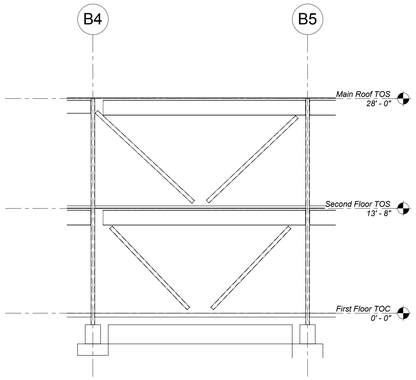
BRACE D-4
1/8" = 1'-0"



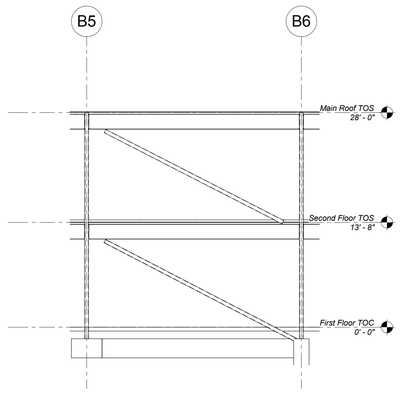
BRACE D-5
1/8" = 1'-0"



BRACE D-6
1/8" = 1'-0"



BRACE D-7
1/8" = 1'-0"



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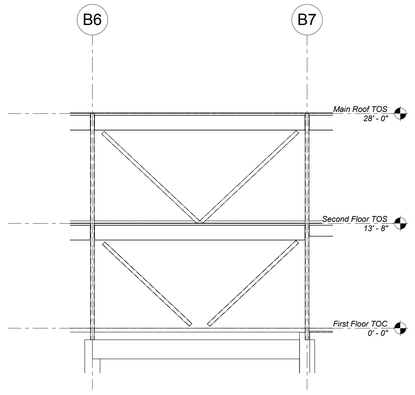
1/8" = 1'-0"



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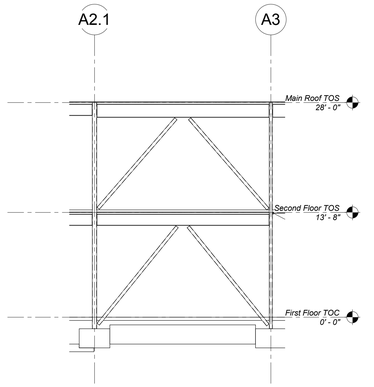
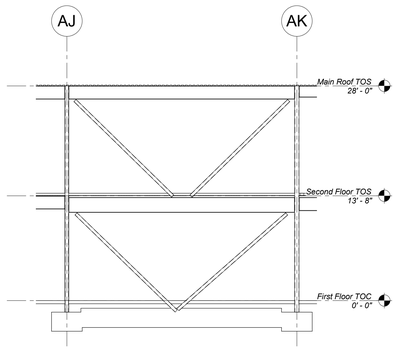
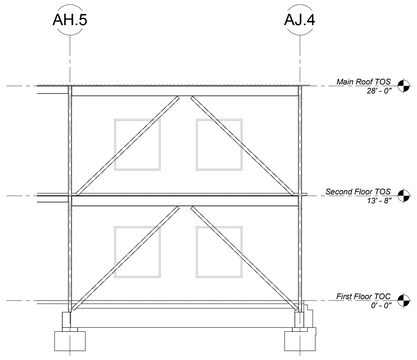
1/8" = 1'-0"



BRACE D-10
1/8" = 1'-0"



BRACE D-11
1/8" = 1'-0"



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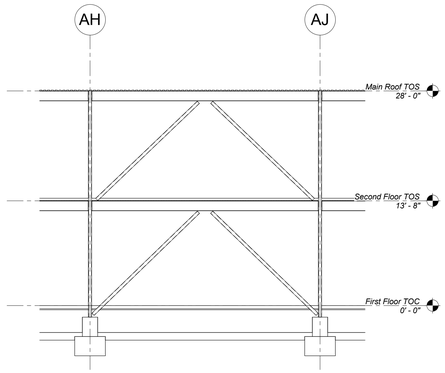

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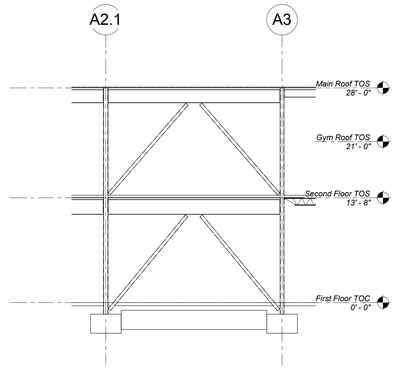
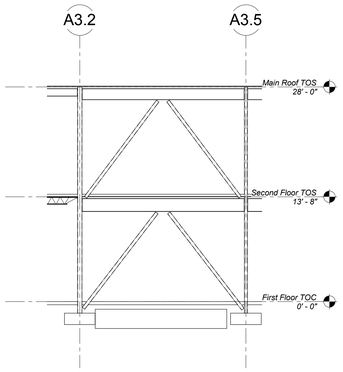


BRACE D-14
1/8" = 1'-0"



BRACE D-15
1/8" = 1'-0"

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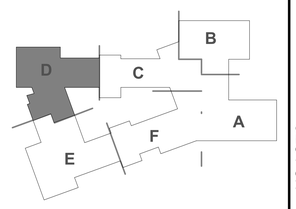

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SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
S3.1D

JOB NUMBER 403114

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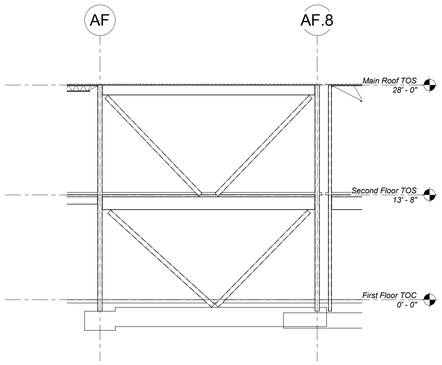
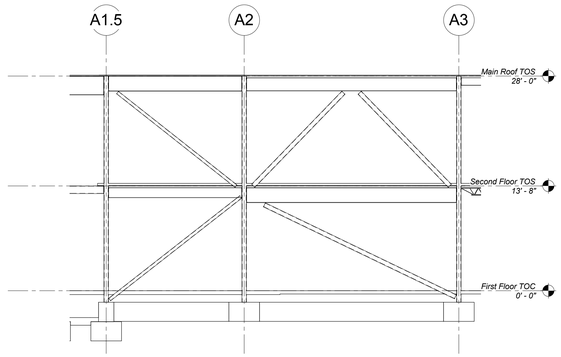


BRACE E-1
1/8" = 1'-0"



BRACE E-2
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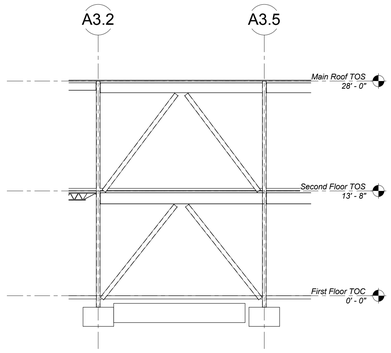

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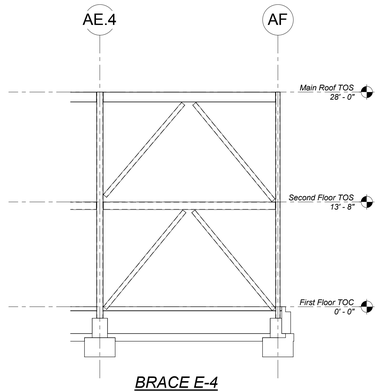
1/8" = 1'-0"



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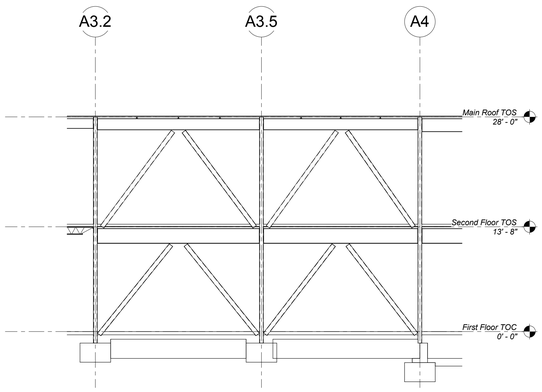

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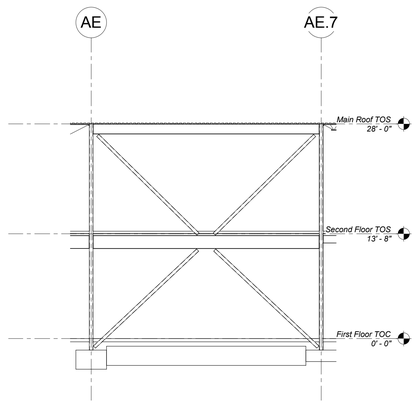
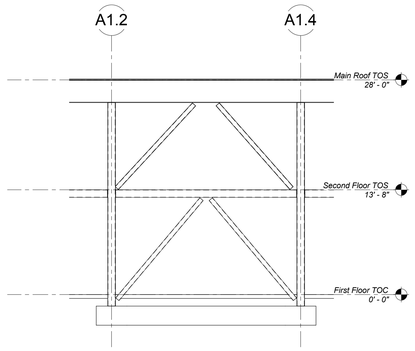
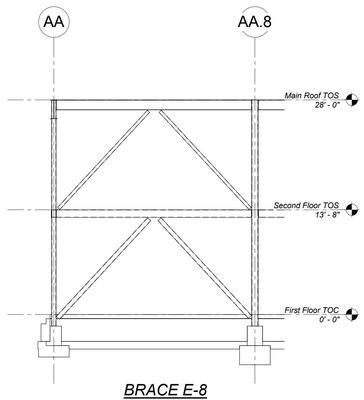
1/8" = 1'-0"



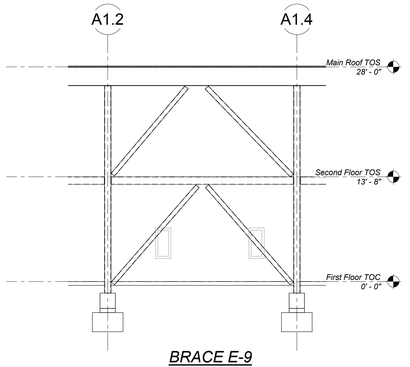
BRACE E-6
1/8" = 1'-0"



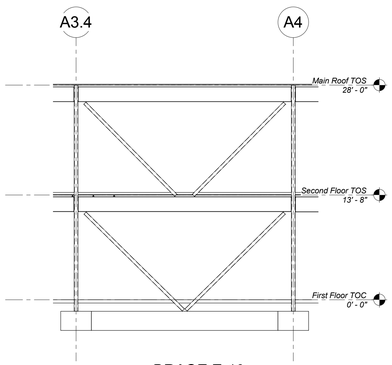
BRACE E-7
1/8" = 1'-0"



BRACE E-8
1/8" = 1'-0"



BRACE E-9
1/8" = 1'-0"



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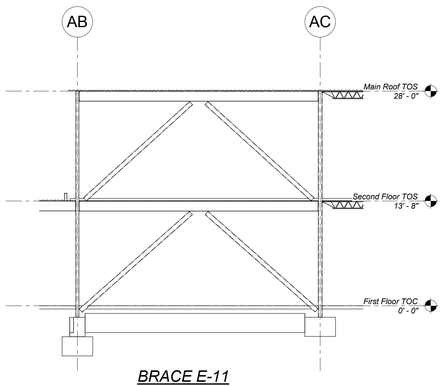
1/8" = 1'-0"



BRACE E-11
1/8" = 1'-0"

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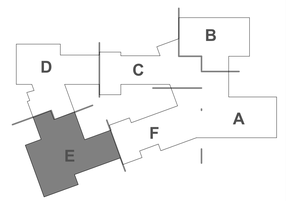
8. *ALL WELDS IN BRACING CONNECTIONS SHALL HAVE A MINIMUM LENGTH OF THREE INCHES.*

KEYPLAN



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100% Design Development
3-15-2016

Dover HS / CTC
Dover, NH
Brace Frame Elevations - Part E

SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
S3.1E

JOB NUMBER 403114

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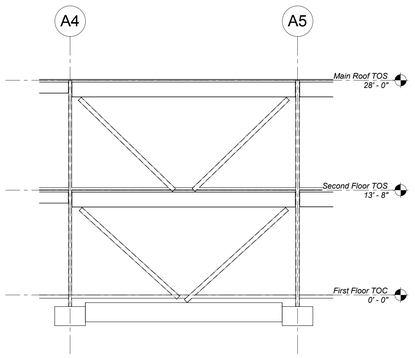
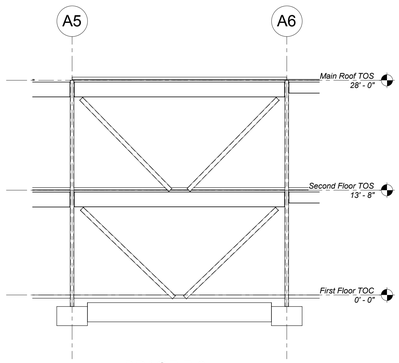


BRACE F-1
1/8" = 1'-0"



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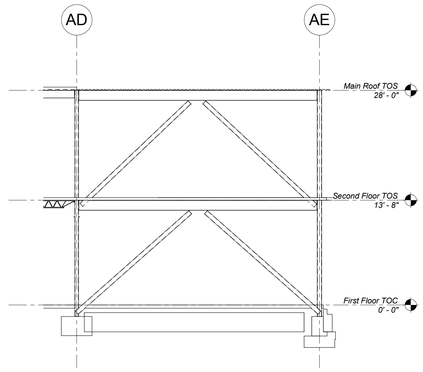
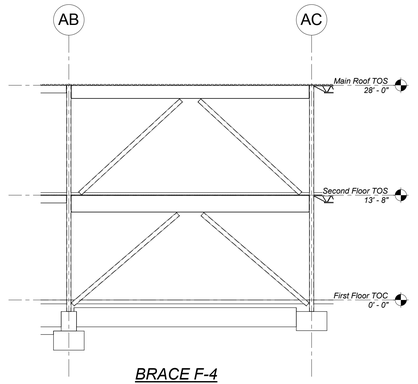
1/8" = 1'-0"



BRACE F-3
1/8" = 1'-0"



BRACE F-4
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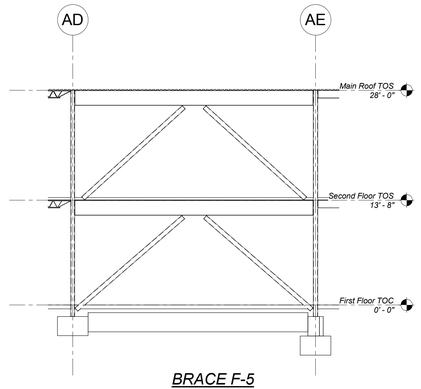
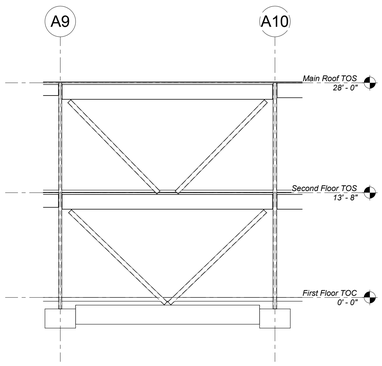


BRACE F-5
1/8" = 1'-0"



BRACE F-6
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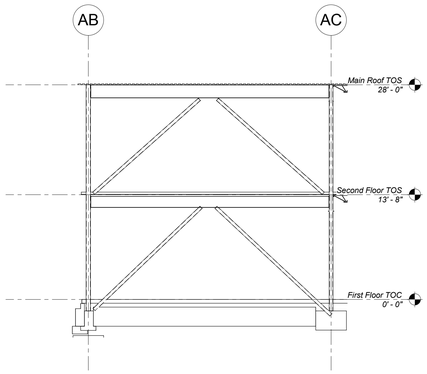

BRACE F-7
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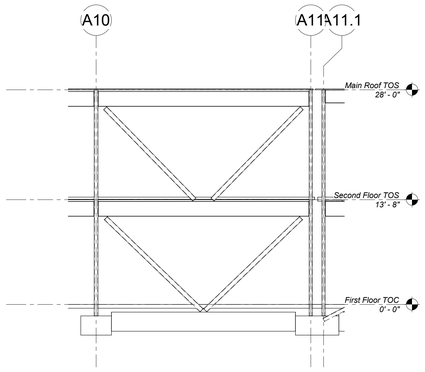

BRACE F-8
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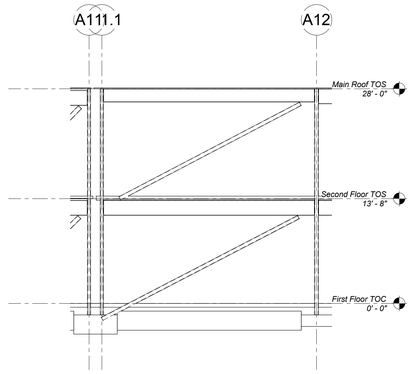

BRACE F-9
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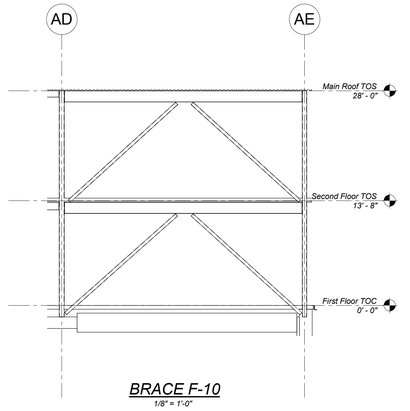
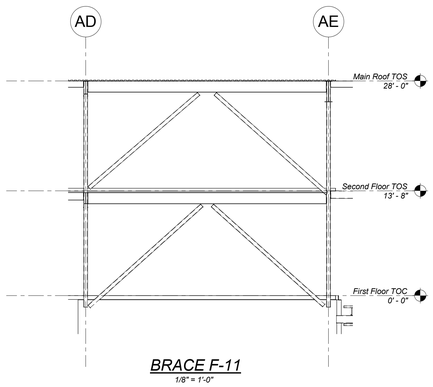


BRACE F-10
1/8" = 1'-0"

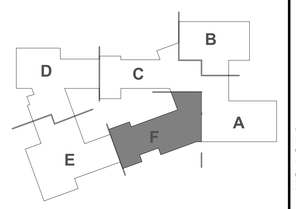


BRACE F-11
1/8" = 1'-0"

LATERAL LOAD RESISTING SYSTEM NOTES:

1. *BRACING ELEVATIONS AND DETAILS ARE SCHEMATIC ONLY AND ARE INTENDED TO SHOW BRACING CONFIGURATIONS AND CONNECTIONS DESIGN REQUIREMENTS.*
2. *BRACE FORCE (KIPS) TO BE USED FOR CONNECTION DESIGN IS INDICATED THUS (±0.0 K). ONE THIRD INCREASE IN ALLOWABLE STRESS IS NOT PERMITTED IN BRACING CONNECTIONS. CONNECTIONS ARE TO BE DESIGNED USING THE ALLOWABLE STRESS DESIGN (A.S.D.) METHOD.*
3. *BRACE OFFSET DIMENSIONS ARE MEASURED FROM INTERSECTION OF CENTER OF BEAMS AND BRACES TO GRID LINES.*
4. *COORDINATE SIZE AND LOCATION OF BRACING WITH WALL OPENINGS SHOWN ON ARCHITECTURAL DRAWINGS.*
5. *REFER TO PLANS FOR BEAM SIZES, COLUMN SIZES, AND BRACING LOCATIONS.*
6. *TOP CONNECTION OF EACH BRACING MEMBER SHALL REMAIN LOOSE AND ACCESSIBLE UNTIL THE BUILDING HAS BEEN PLUMBED.*
7. *BOLTED BRACE CONNECTIONS SHALL BE SLIP-CRITICAL (SC) TYPE.*
8. *ALL WELDS IN BRACING CONNECTIONS SHALL HAVE A MINIMUM LENGTH OF THREE INCHES.*

KEYPLAN



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DRAWING NUMBER
S3.1F

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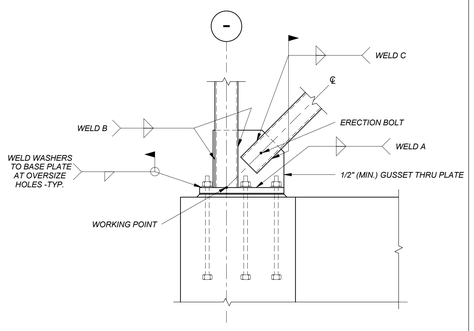
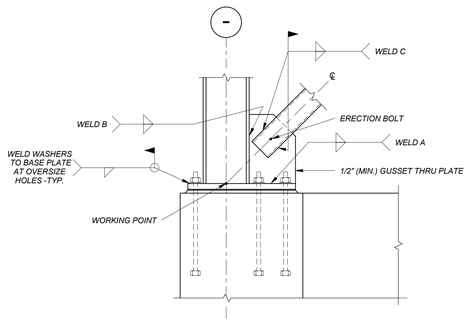


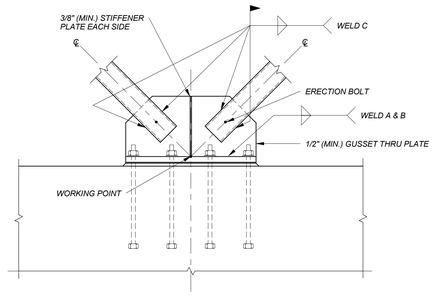
HSS COLUMN BASE AT BRACE DETAIL

STEEL BRACE CONSTRUCTION BF1



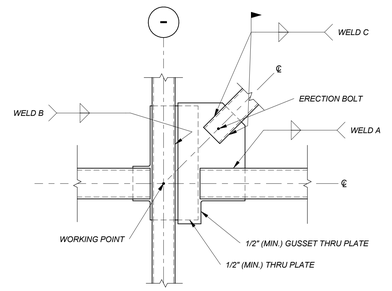
W COLUMN BASE AT BRACE DETAIL

STEEL BRACE CONSTRUCTION BF3



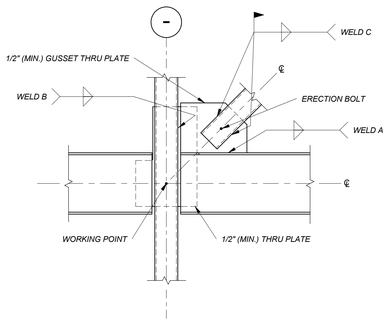
HSS V BRACE BASE DETAIL

STEEL BRACE CONSTRUCTION BF5



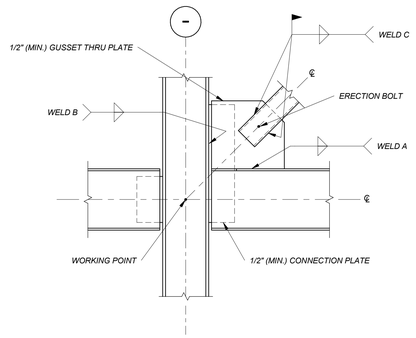
HSS COLUMN TO HSS BEAM BRACE DETAIL

STEEL BRACE CONSTRUCTION BF6



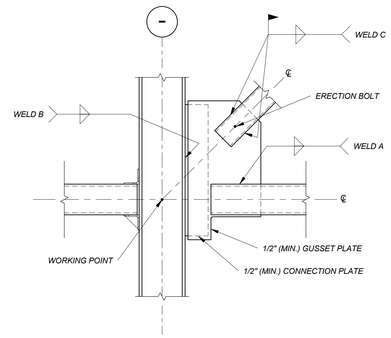
HSS COLUMN TO W BEAM BRACE DETAIL

STEEL BRACE CONSTRUCTION BF6



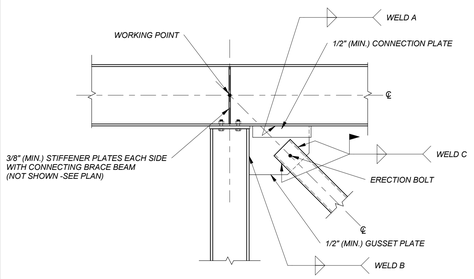
W COLUMN TO W BEAM BRACE DETAIL

STEEL BRACE CONSTRUCTION BF7



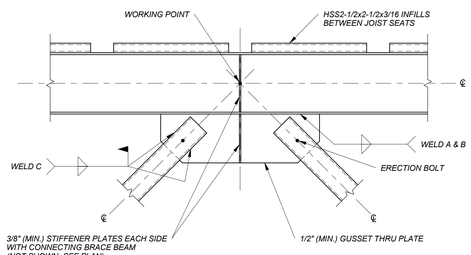
W COLUMN TO HSS BEAM BRACE DETAIL

STEEL BRACE CONSTRUCTION BF7a



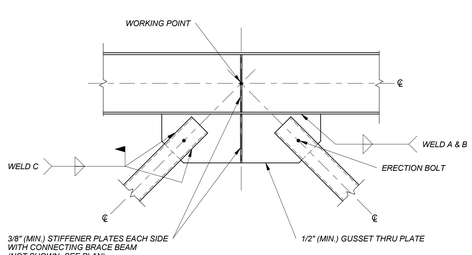
W BEAM OVER COL. BRACE DETAIL

STEEL BRACE CONSTRUCTION BF8



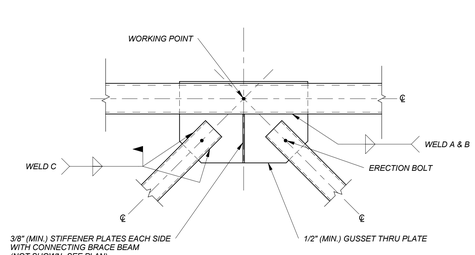
W ROOF BEAM BRACE DETAIL

STEEL BRACE CONSTRUCTION BF9



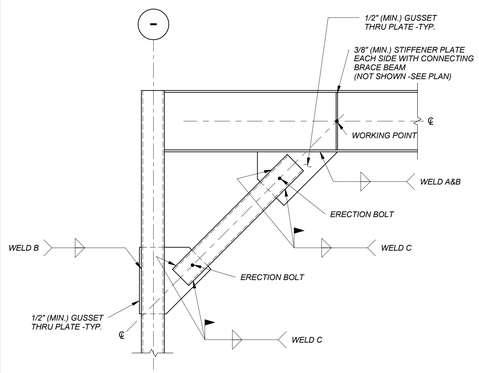
W BEAM BRACE DETAIL

STEEL BRACE CONSTRUCTION BF8



HSS BEAM BRACE DETAIL

STEEL BRACE CONSTRUCTION BF8a



KNEE BRACE DETAIL

STEEL BRACE CONSTRUCTION BF10

DETAIL NOTES:

WELD A: WELD SIZE TO FULLY DEVELOP THE HORIZONTAL COMPONENT OF THE BRACE FORCE SHOWN.

WELD B: WELD SIZE TO FULLY DEVELOP THE VERTICAL COMPONENT OF THE BRACE FORCE SHOWN.

WELD C: WELD SIZE TO FULLY DEVELOP THE BRACE FORCE SHOWN.

BRACE FRAME DETAILS

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JOB NUMBER 403114

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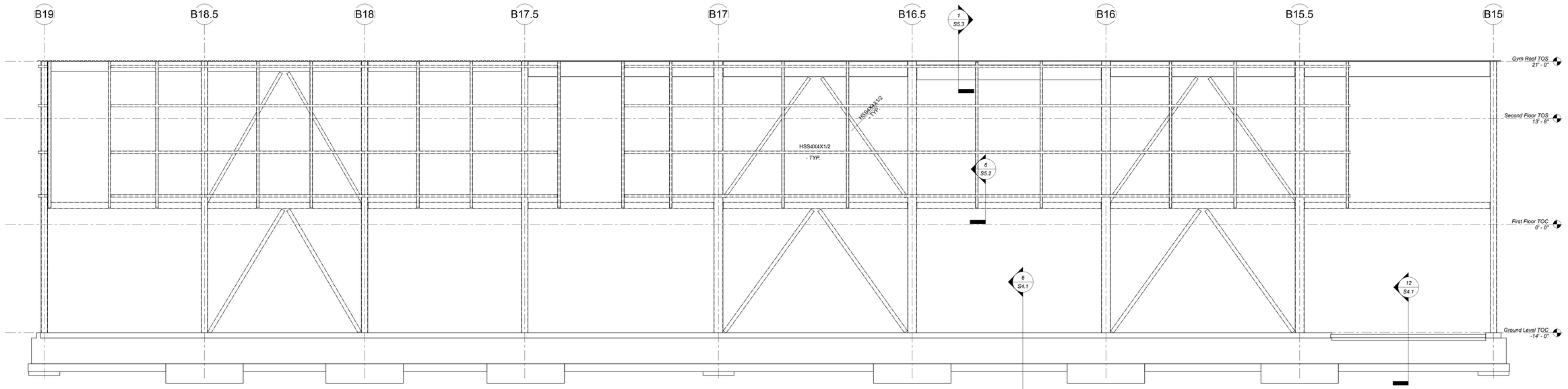
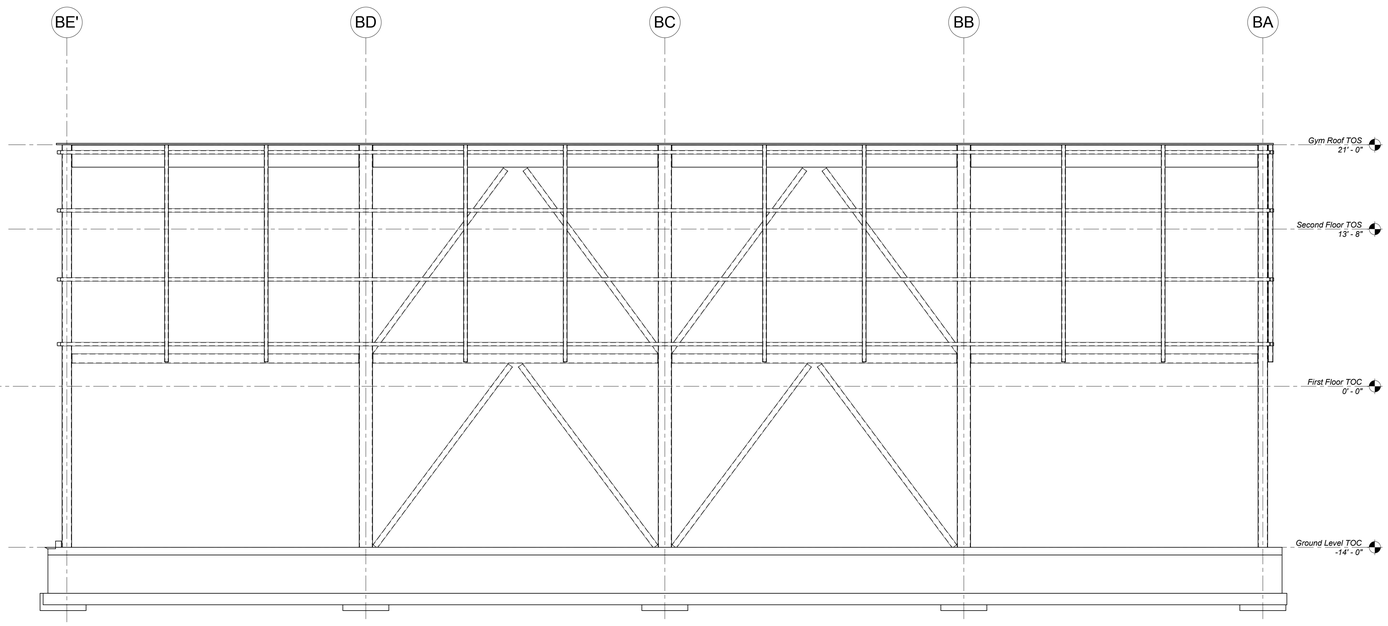


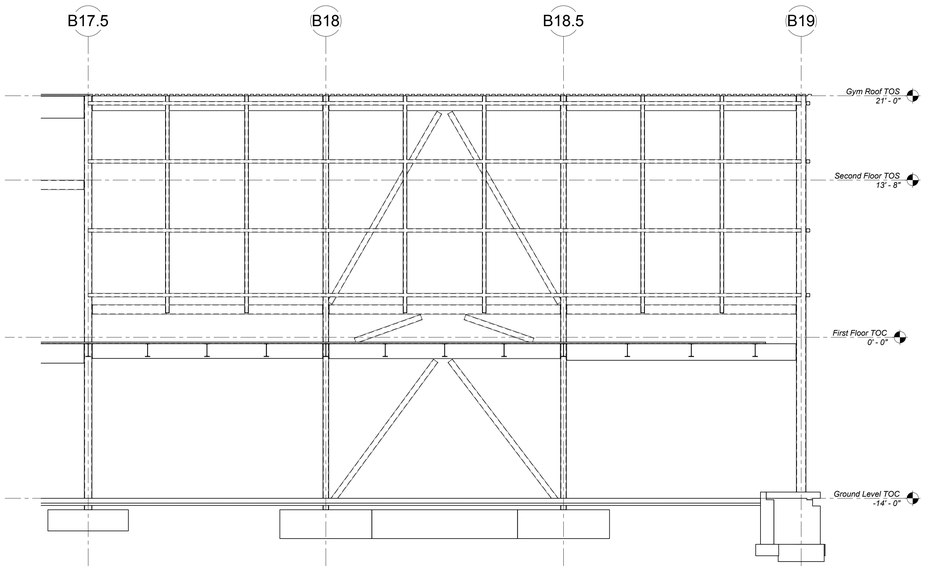
Gymnasium Elevation - North

3/16" = 1'-0"



Gymnasium Elevation - East

3/16" = 1'-0"



Gymnasium Elevation - South

3/16" = 1'-0"

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Gymnasium Elevations

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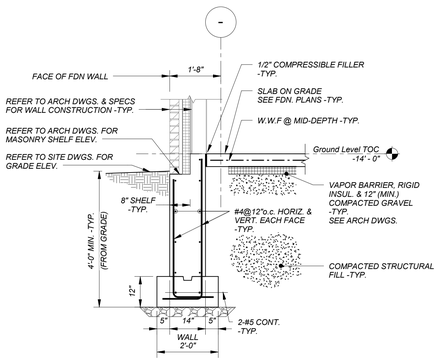

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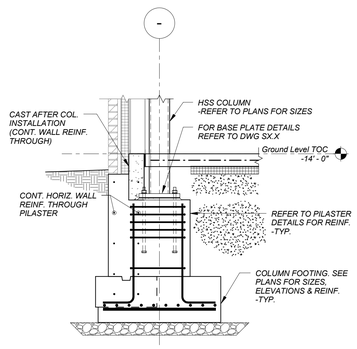

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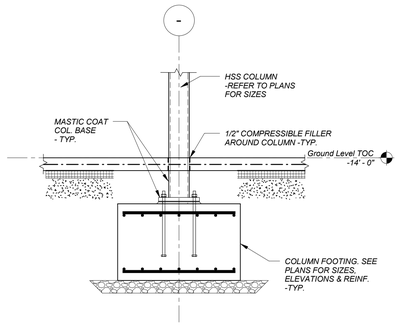

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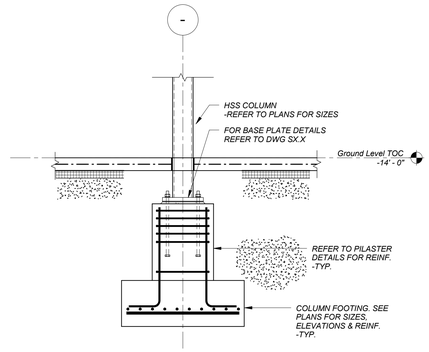

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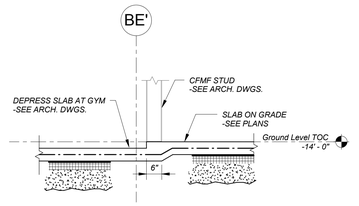

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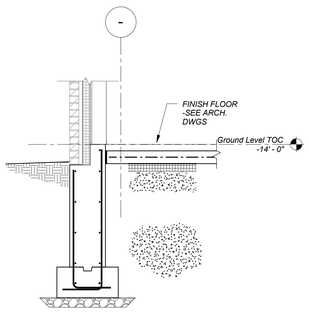

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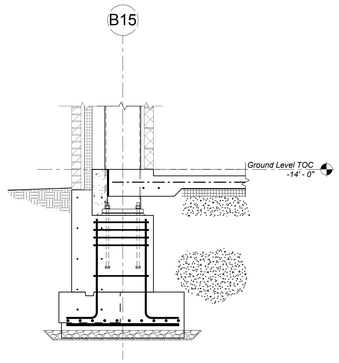

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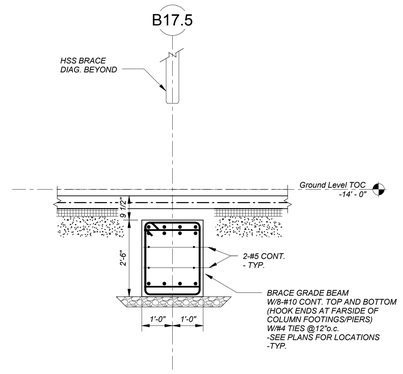

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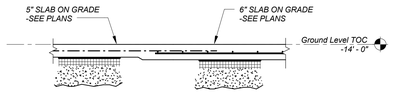

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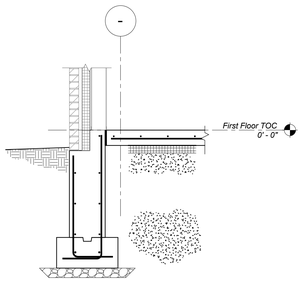

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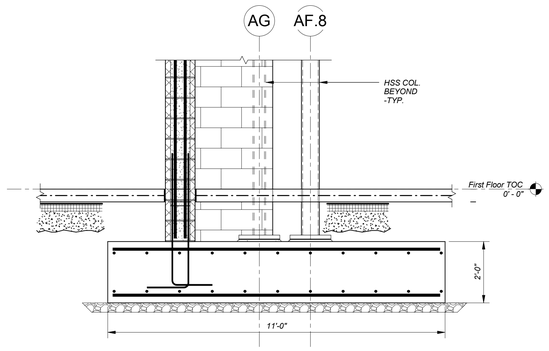

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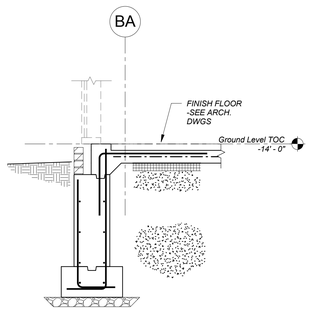

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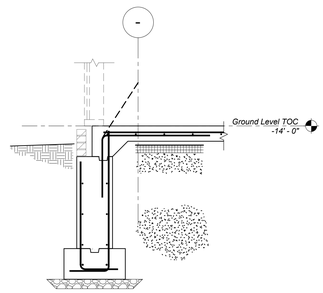

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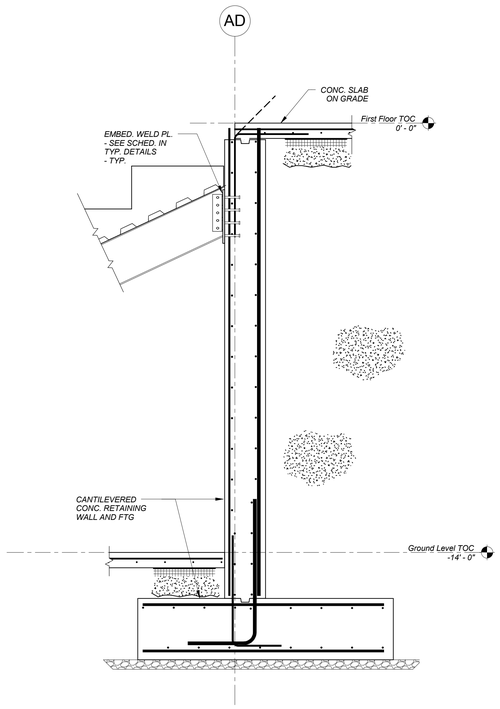
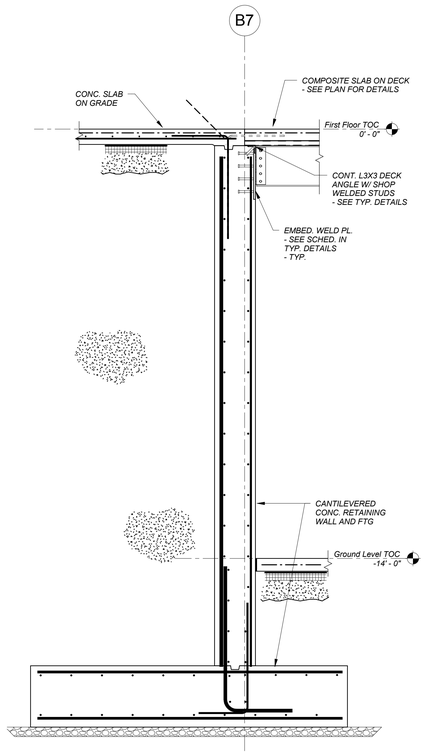


1 SECTION
1/2" = 1'-0"



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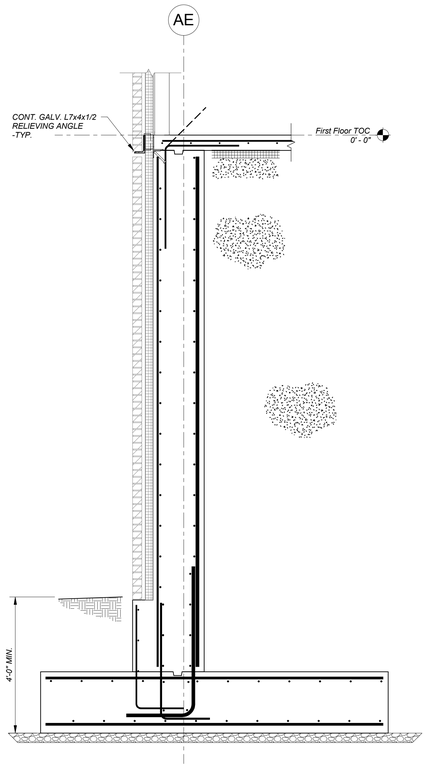

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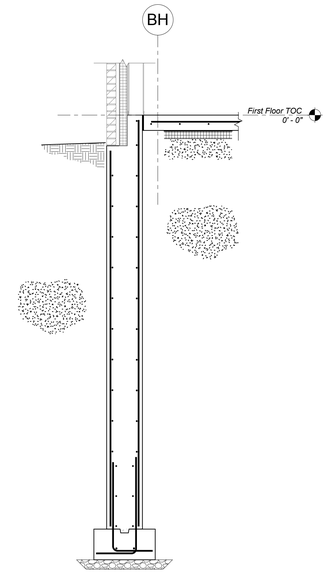

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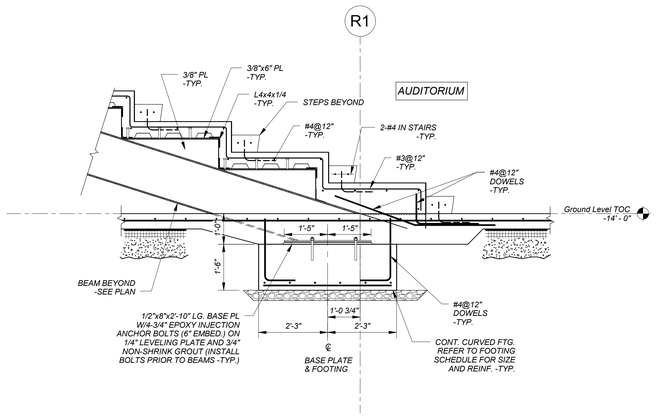

5 SECTION
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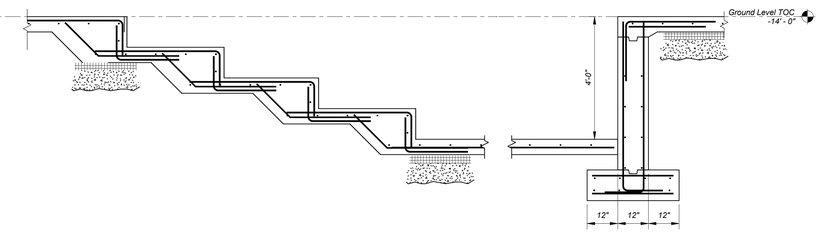

6 SECTION
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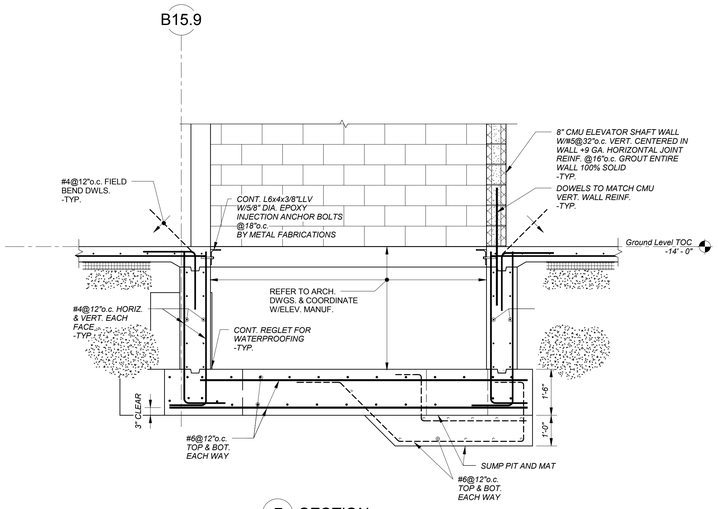

7 SECTION
1/2" = 1'-0"

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SCALE: 1/2" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S4.2

JOB NUMBER 403114

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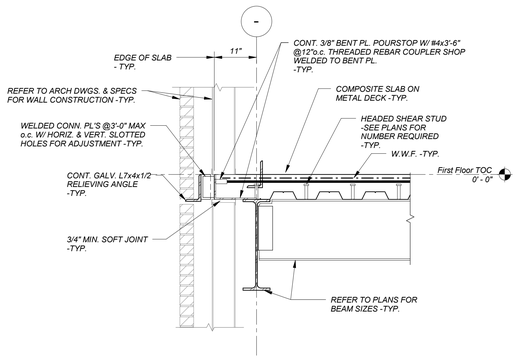

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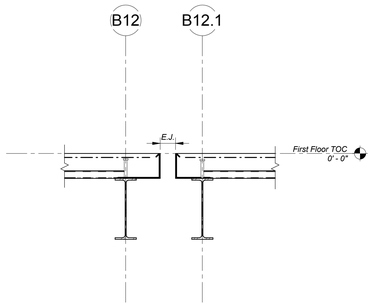

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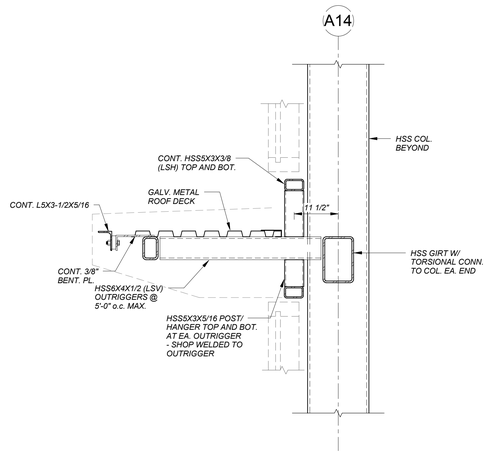

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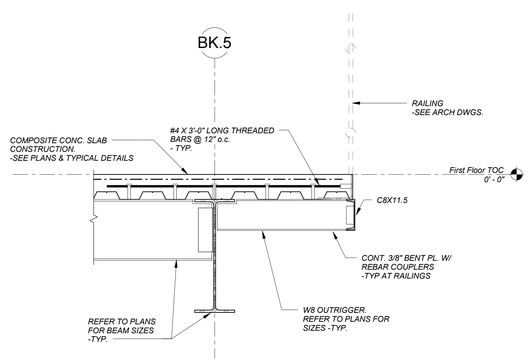

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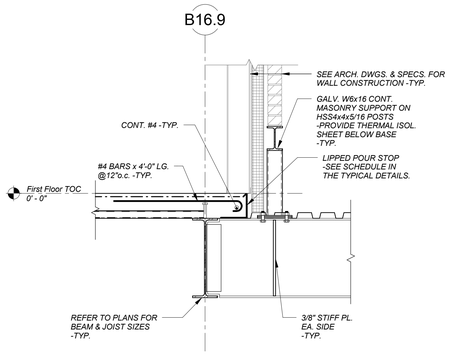
3/4" = 1'-0"



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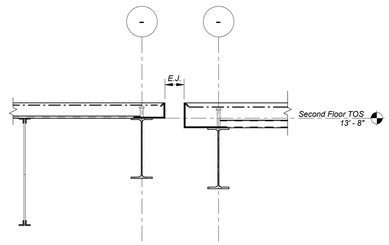
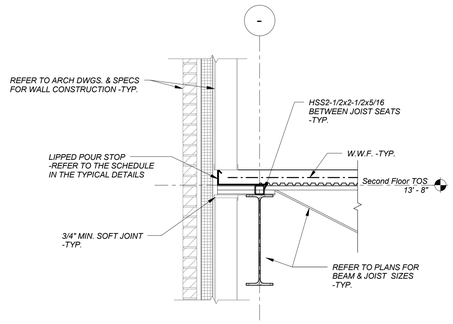
3/4" = 1'-0"



7 SECTION
3/4" = 1'-0"



8 SECTION
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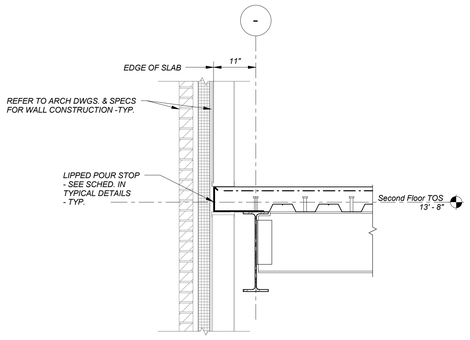

9 SECTION
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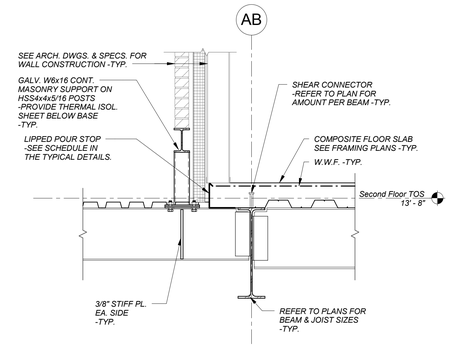

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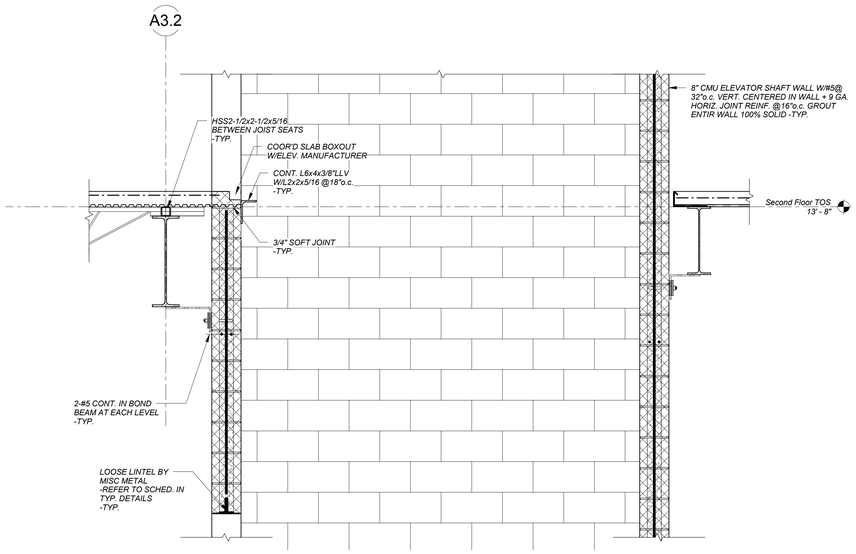

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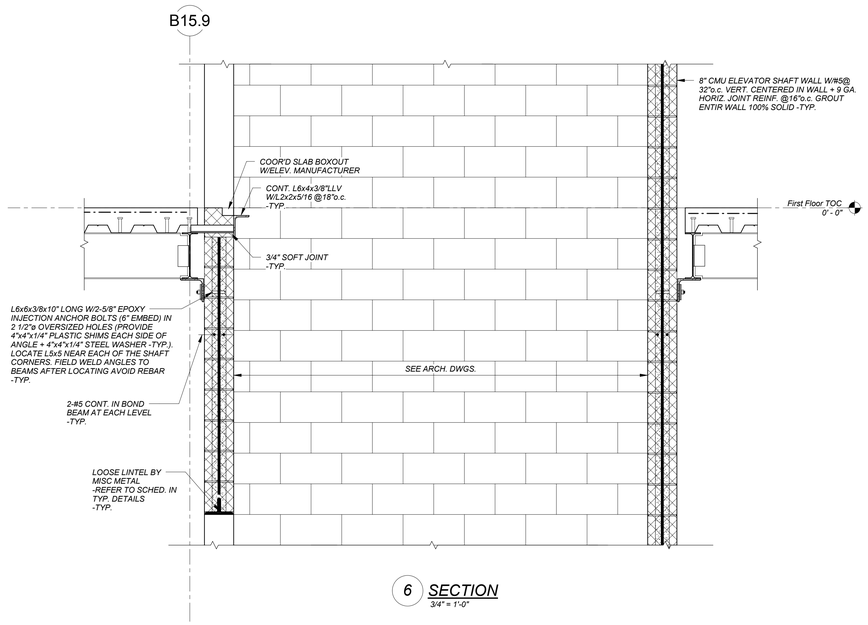

6 SECTION
3/4" = 1'-0"

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SCALE: As indicated
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
S5.1

JOB NUMBER 403114

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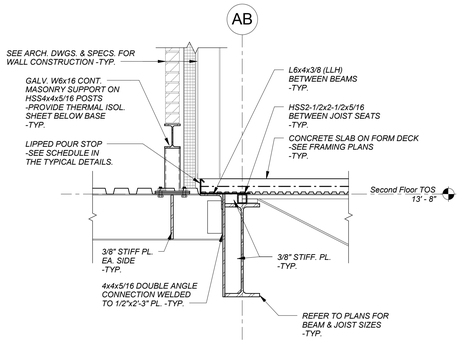

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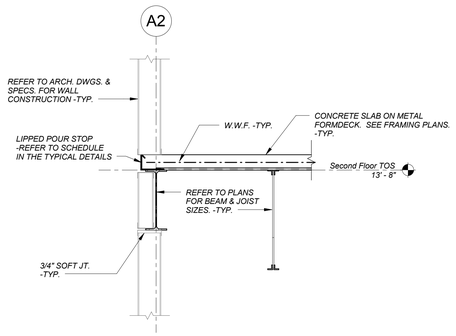

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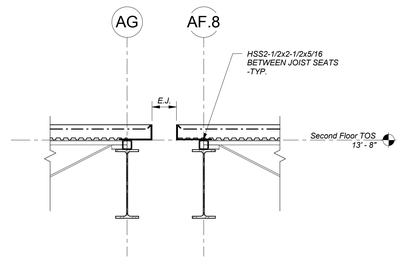

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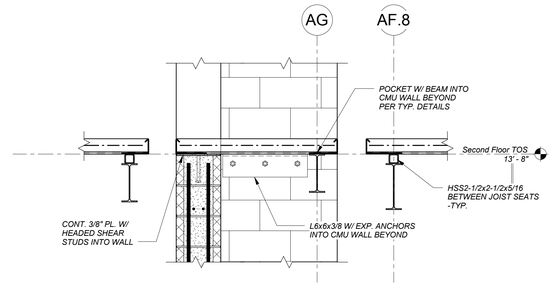

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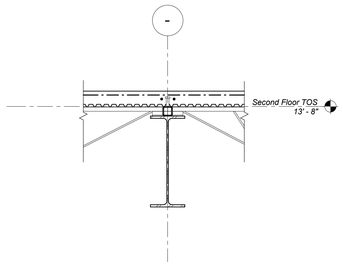

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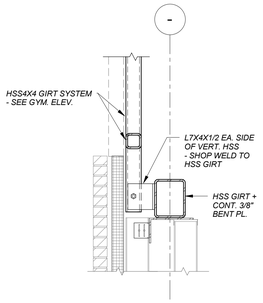

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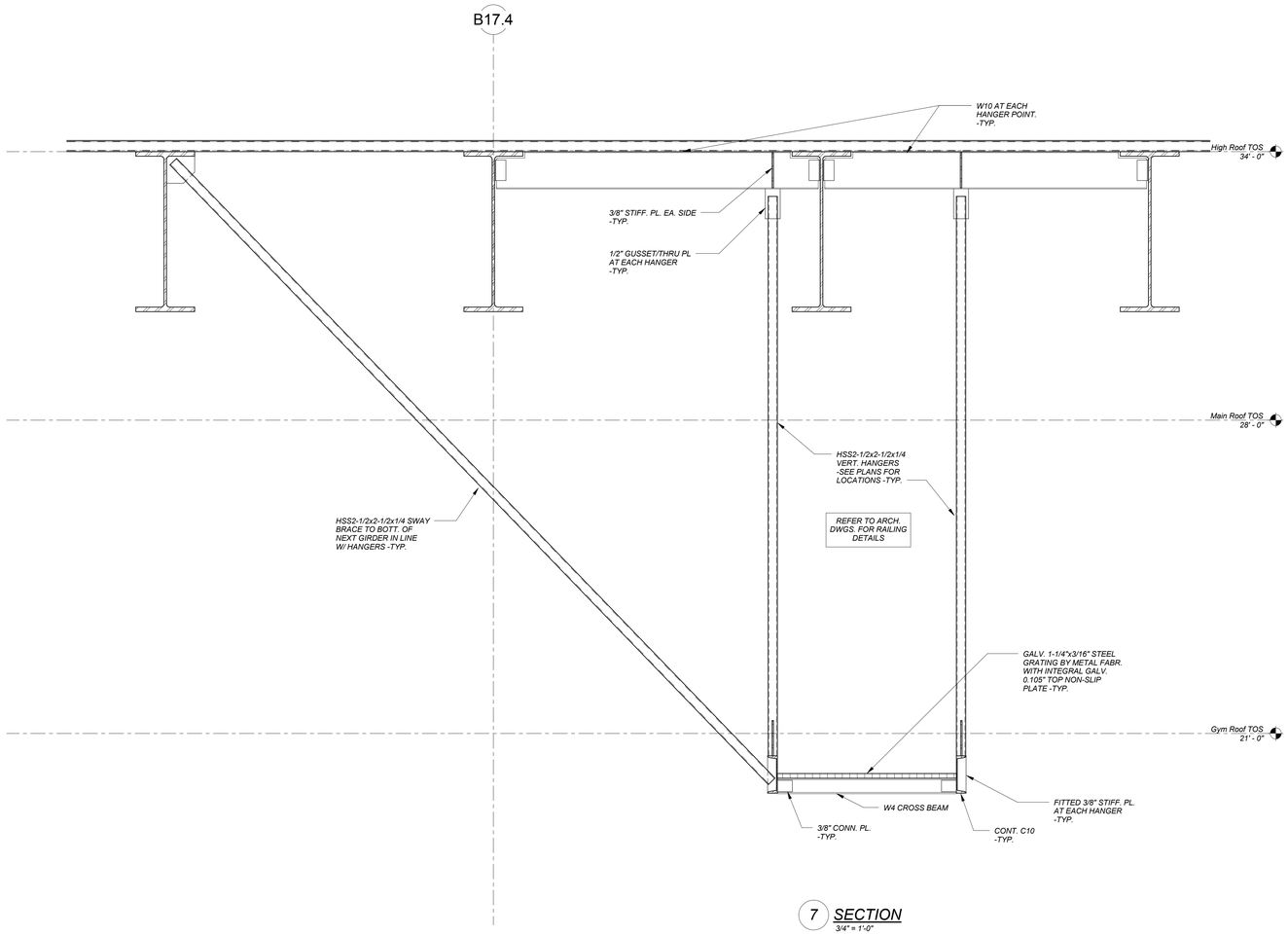

7 SECTION
3/4" = 1'-0"

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DRAWING NUMBER
S5.2

JOB NUMBER 403114

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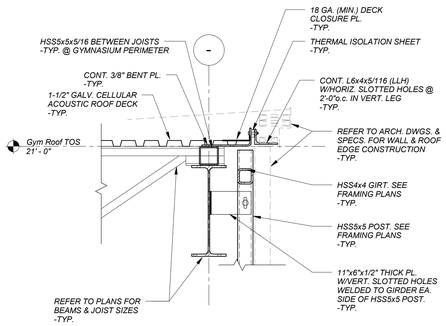

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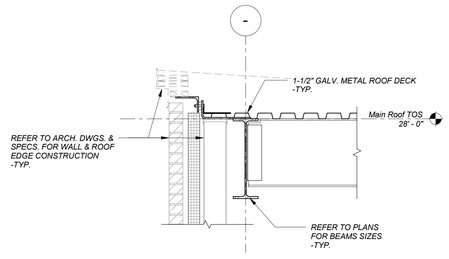

SEE SECTION 1 FOR ADD'L INFORMATION NOT SHOWN

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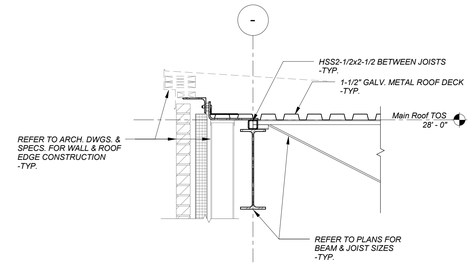

SEE SECTION 1 FOR ADD'L INFORMATION NOT SHOWN

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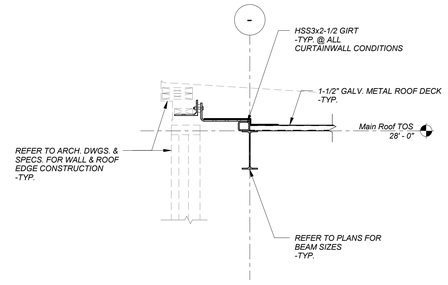

SEE SECTION 1 FOR ADD'L INFORMATION NOT SHOWN

4 SECTION
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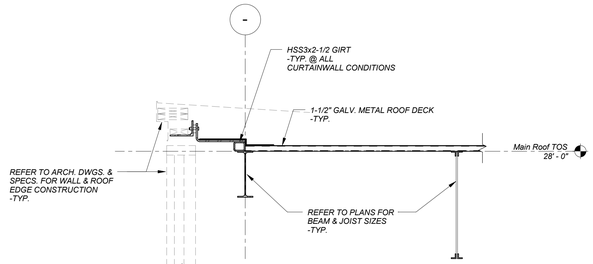
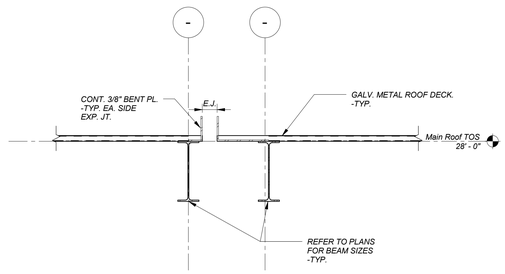
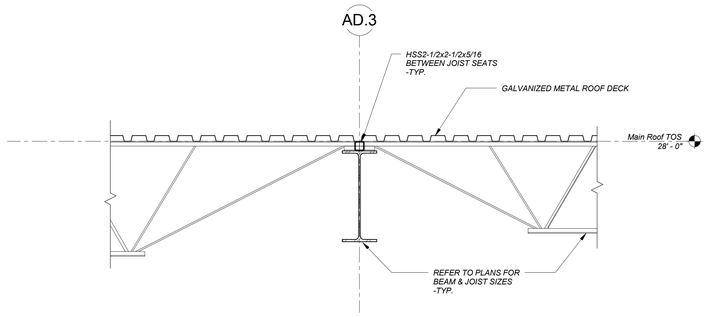


SEE SECTION 1 FOR ADD'L INFORMATION NOT SHOWN

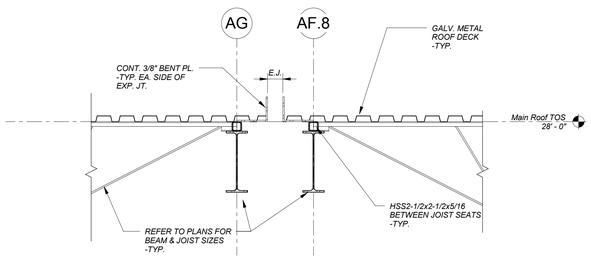
5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"



7 SECTION
3/4" = 1'-0"



8 SECTION
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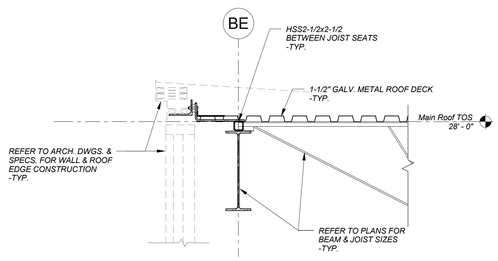

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9 SECTION
3/4" = 1'-0"

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DRAWING NUMBER
S5.3

JOB NUMBER 403114

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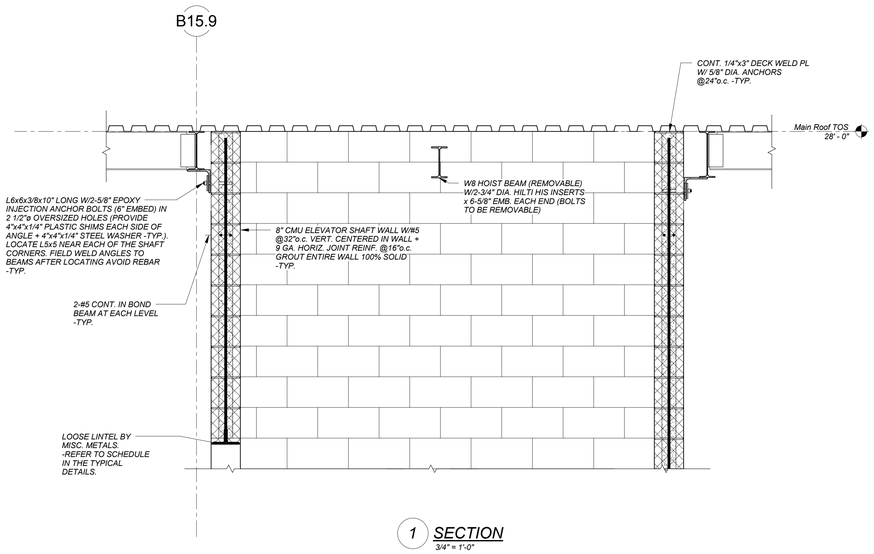

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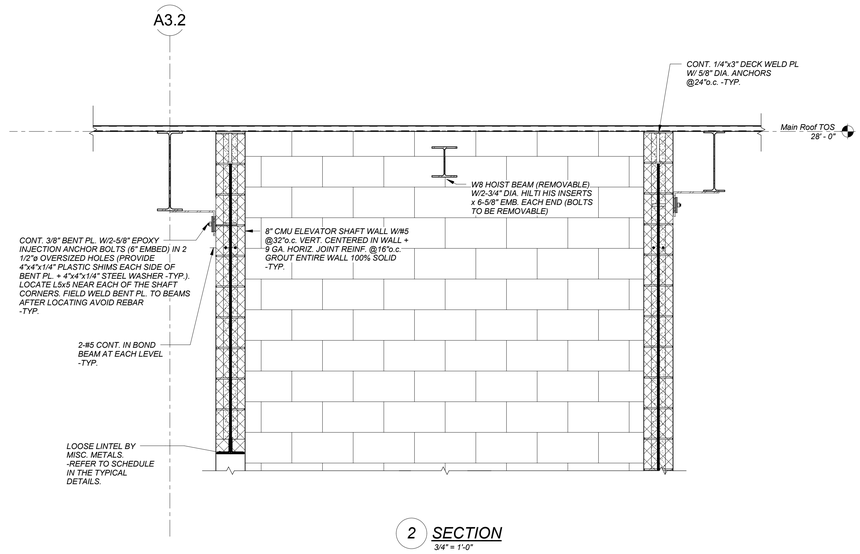

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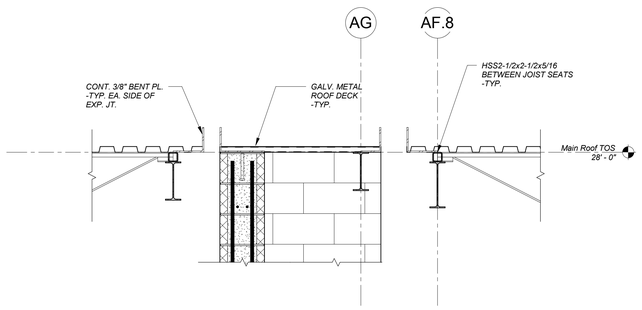

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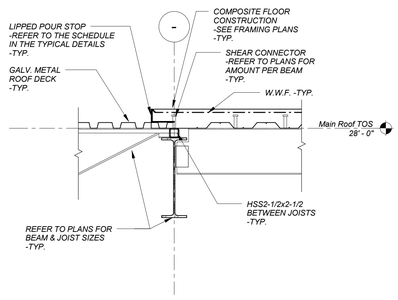

4 SECTION
3/4" = 1'-0"

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SCALE: 3/4" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER
S5.4

JOB NUMBER 403114

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