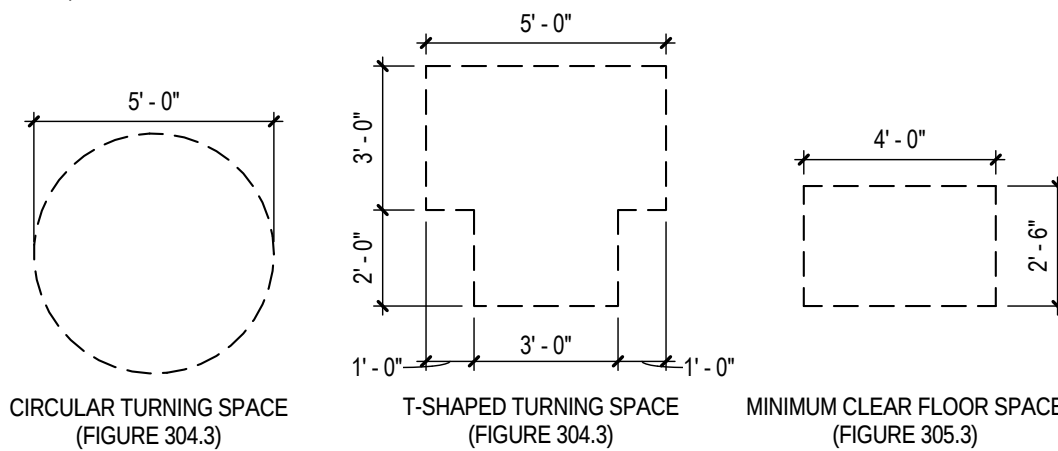


CODE STUDY RESULTS:

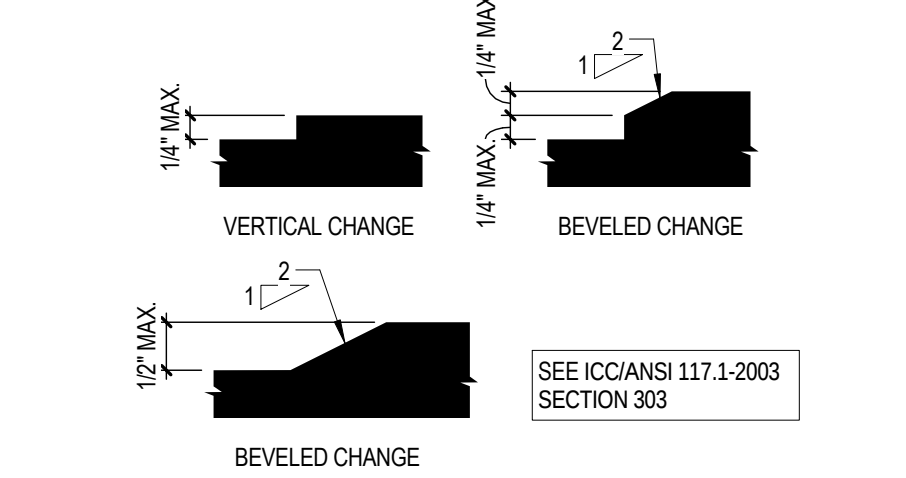
IBC (INTERNATIONAL BUILDING CODE)

Section	Result	NFPA	Result	WV STATE FIRE CODE	Result
3	USE AND OCCUPANCY CLASSIFICATION SEPARATED MIXED OCCUPANCIES: (B) BUSINESS, (A-2) ASSEMBLY, (R-2) HOTEL & DORMITORY, (S-1) STORAGE HAZARD OF CONTENTS		B, A-2, R-2, S-1 S-2 Low Ordinary		
4	SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY SPECIAL REQUIREMENTS:				
TABLE 503	GENERAL BUILDING HEIGHTS AND AREAS ALLOWABLE BUILDING HEIGHT: 2 STORY MAX FOR A-2 ASSEMBLY (ACTUAL 14 FT.) ALLOWABLE BUILDING AREA: VARIES PER OCCUPANCY TYPE (ACTUAL 30,150 S.F.) BUILDING AREA MODIFICATIONS: SPRINKLER AND 25% OPEN PERIMETER RED	CHAP. TBL. 1.6	1-Story	87-1.10 & APPENDIX B	2-STORY
TABLE 508.4	REQUIRED SEPARATION OF OCCUPANCIES: 1-HR (WITH NFPA 13 SPRINKLER SYSTEM)	TBL. 6.1.4.1(a)	1-Hr		
6	TABLE 601	TABLE A.8.2.1.2	II-000	APPENDIX B	II-000
TABLE 601	FIRE RESISTANCE RATING BY BUILDING ELEMENT: PRIMARY STRUCTURAL FRAME: 0 HOURS(S) BEARING WALLS: 0 HOURS(S) NONBEARING WALLS AND PARTITIONS: 0 HOURS(S) FLOOR CONSTRUCTION AND SECONDARY MEMBERS: 0 HOURS(S) ROOF CONSTRUCTION AND SECONDARY MEMBERS: 0 HOURS(S)	TABLE A.8.2.1.2	0-Hr		
TABLE 602	EXTERIOR WALL RATING: 0 HOURS(S)		0		
7	FIRE AND SMOKE PROTECTION FEATURES				
TABLE 705.8	MAXIMUM AREA OF EXTERIOR OPENINGS: UNLIMITED EXCEPT IF ADJ. BUILDING <10 FT. FIRE SEPARATION	8.6.4 & 8.6.5	1-Hr		
SECTION 706.1	SHAFT FIRE RATING: 1-Hr				
SECTION 717	FIRE PROTECTION AND DRAFT STOPPING: AS REQUIRED AT SMOKE AND FIRE-RATED WALLS. NOT REQ'D GENERALLY FOR TYPE II-000 IBC CORST.				
8	INTERIOR FINISHES				
TABLE 803.9	INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY EXIT ENCLOSURES: A or B I or II for Business and Assembly CORRIDORS: A or B I or II for Business and Assembly ROOMS AND ENCLOSED SPACES: A or B - Assembly, A, B or C for rest	TABLE A.10.2.2	Same		
9	FIRE PROTECTION SYSTEMS				
SECTION 903	WHERE SPRINKLERS ARE REQUIRED: Throughout	8.7 & CHAP. SUB. 3.5	Throughout	87-1.6 & APPENDIX B	
TABLE 906.3(1)	PORTABLE FIRE EXTINGUISHERS: SIZE AND DISTRIBUTION: REQ'D IN ALL OCCUPANCIES	CHAP. SUB. 3.5	Req'd in Business		
SECTION 906.1 & TABLE 906.1	ADDITIONAL REQUIRED LOCATIONS WITHIN 30 FEET OF COMMERCIAL COOKING EQUIPMENT WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED SPECIAL HAZARD AREAS ADDITIONAL LOCATIONS (SEE REFERENCED CODES)				
SECTION 907	FIRE ALARM REQUIREMENTS: REQ'D	CHAP. SUB. 3.4	Req'd	87-1.11	Req'd
10	MEANS OF EGRESS				
TBL. 1004.1.1	MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT: SEE OCCUPANCY TABLE	TABLE 7.3.1.2			
SECTION 1005 & 1008	REQUIRED EGRESS WIDTH STAIRS: 0.3 DOORS (MIN. 32"): 0.2 RAMPS: NA	TABLE 7.3.3.1 TABLE 7.3.3.1 TBL. 7.2.5.2(a) & TBL. 7.2.5.2(b)	0.3 0.2 NA		
SEC. 1008.1.10	PANIC HARDWARE REQUIREMENTS: REQ'D IN ASSEMBLY SPACES > 50 PEOPLE	CHAP. SUB. 2.2.2	Assembly >100p		
SEC. 1014.3	COMMON PATH OF EGRESS TRAVEL DISTANCE: B-100 FT., A-2-250 FT., S-1-100 FT., R-75 FT.	TABLE A.7.6	B-100 A.75, R.50		
TABLE 1016.1	EXIT ACCESS TRAVEL DISTANCE: B-300 FT., R, A-2 & S-1-250 FT., S-2-400 FT.	TABLE A.7.6	B-300 A.250 R. 250		
TABLE 1018.1	CORRIDOR FIRE-RESISTANCE RATING: 1/2-HR FOR R, 0-HR FOR B, A-2, S-1, S-2	CHAP. SUB. 3.6	Same as IBC		
SEC. 1018.2	CORRIDOR WIDTH: 44" MIN. EXCEPT 36" IN OPEN OFFICE W/ < 30 PEOPLE	TABLE 7.3.3.1	Same		
SEC. 1018.4	DEAD END ALLOWABLE DEPTH: A-2-11 FT., S-1 & S-2-30 FT.	TABLE A.7.6	Same		
TABLE 1021.1 & 1021.2	REQUIRED NUMBER OF EXITS PER STORY: 2 Typ. Special at Assembly	7.4	Same		
11	ACCESSIBILITY				
SECTION 1104	ACCESSIBLE ROUTE: SEE SITE PLAN AND FLOOR PLANS				
TBL. 1106.1	REQUIRED NUMBER OF ACCESSIBLE PARKING SPACES TOTAL PARKING SPACES: REQUIRED ACCESSIBLE SPACES: ACCESSIBLE SPACES PROVIDED IN DESIGN:				



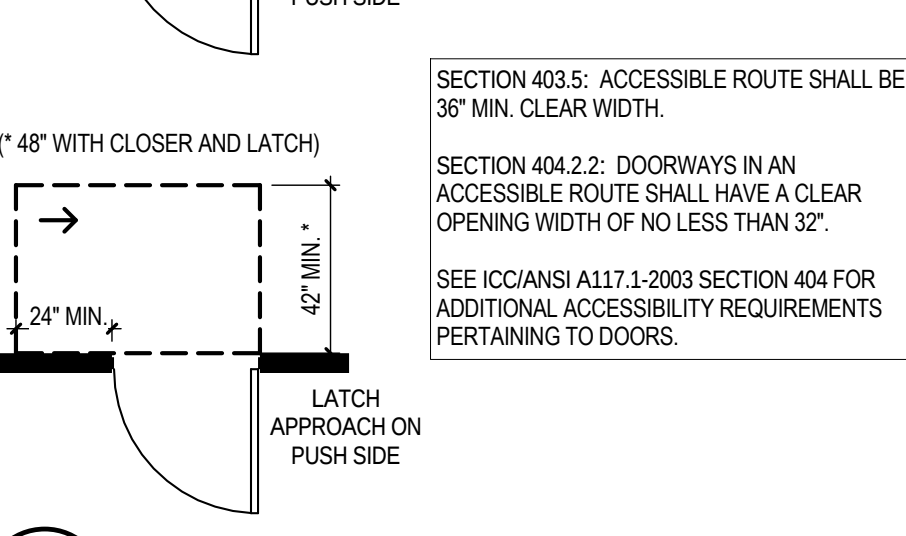
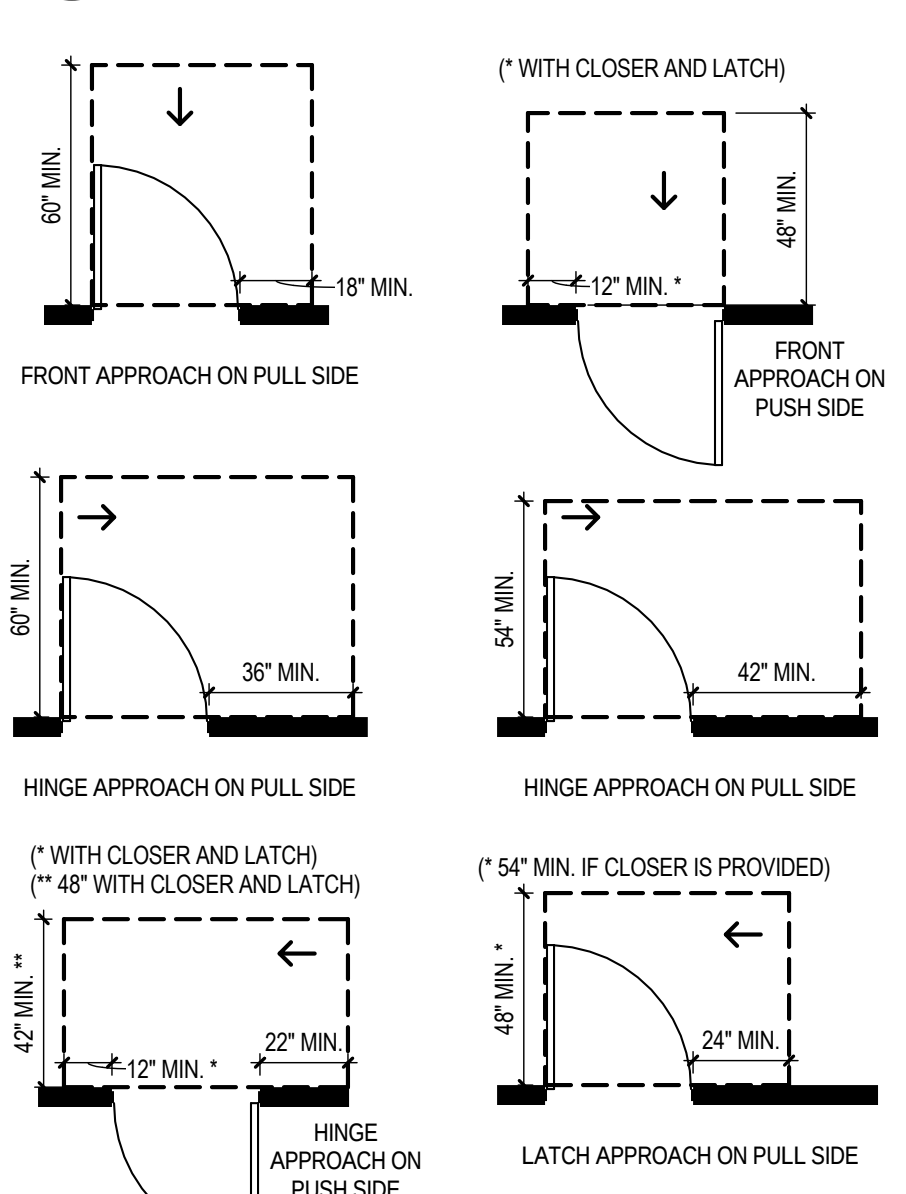
3 ACCESSIBILITY - FLOOR CLEARANCES

G-1.2 SCALE: 1/4" = 1'-0" REF. VIEW:



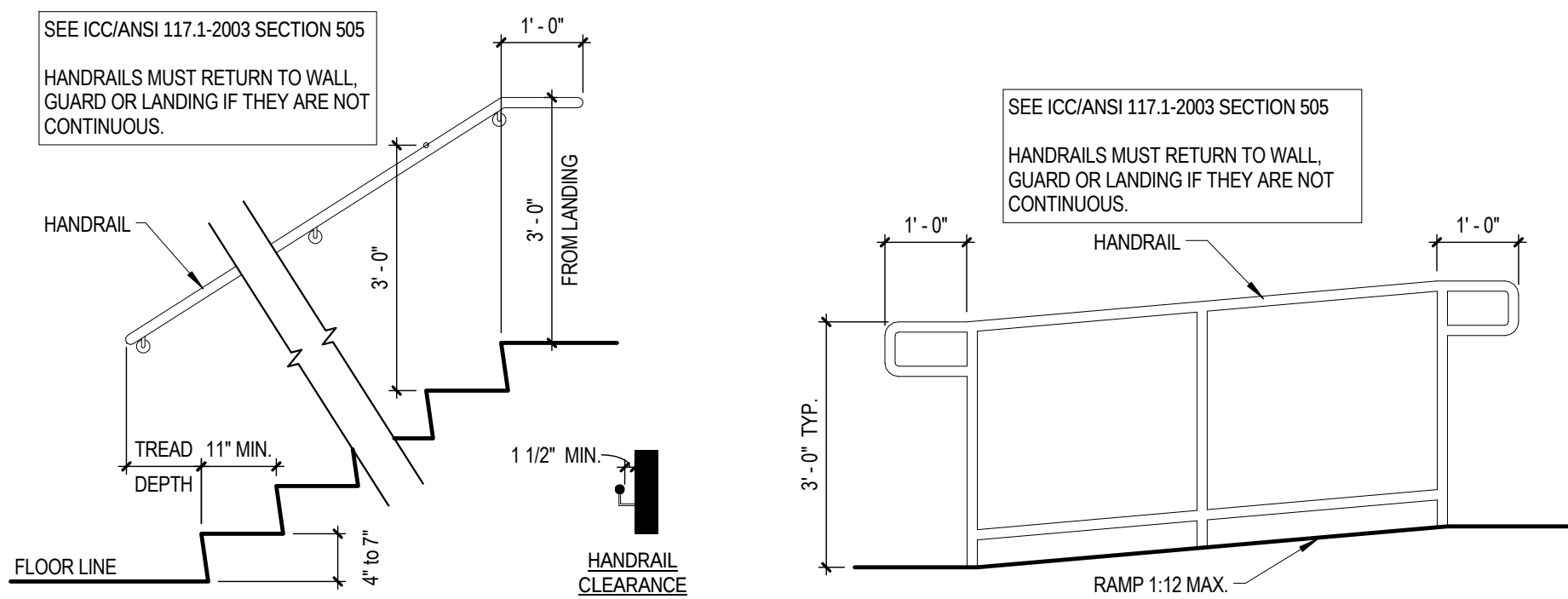
7 ACCESSIBILITY - CHANGES IN LEVEL

G-1.2 SCALE: 6" = 1'-0" REF. VIEW:



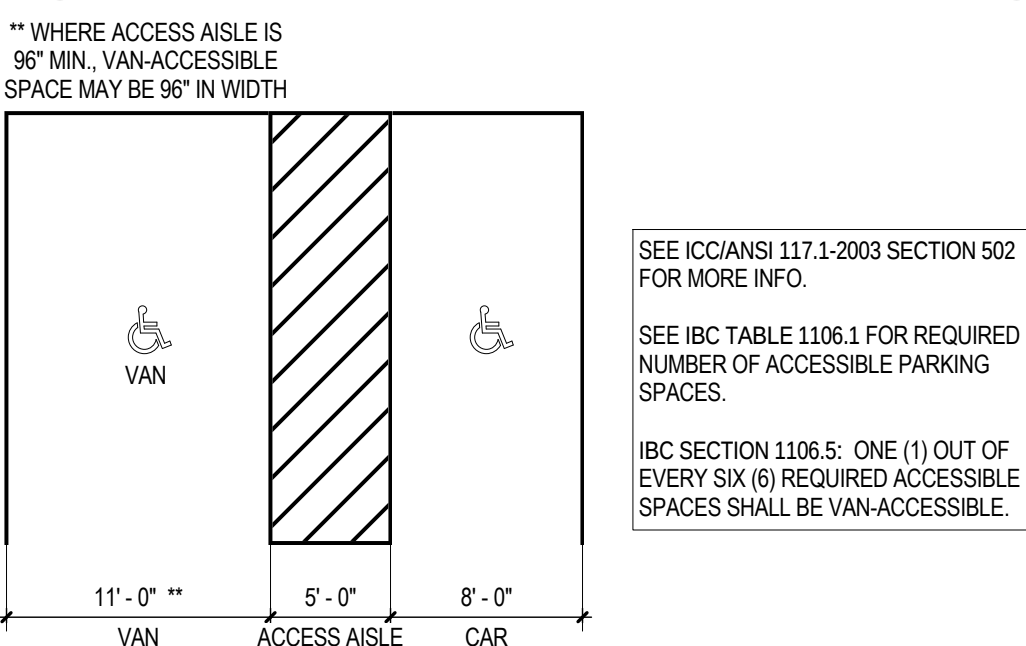
6 ACCESSIBILITY - SWING DOOR CLEARANCES

G-1.2 SCALE: 1/4" = 1'-0" REF. VIEW:



5 ACCESSIBILITY - STAIR HANDRAIL

G-1.2 SCALE: 1/2" = 1'-0" REF. VIEW:

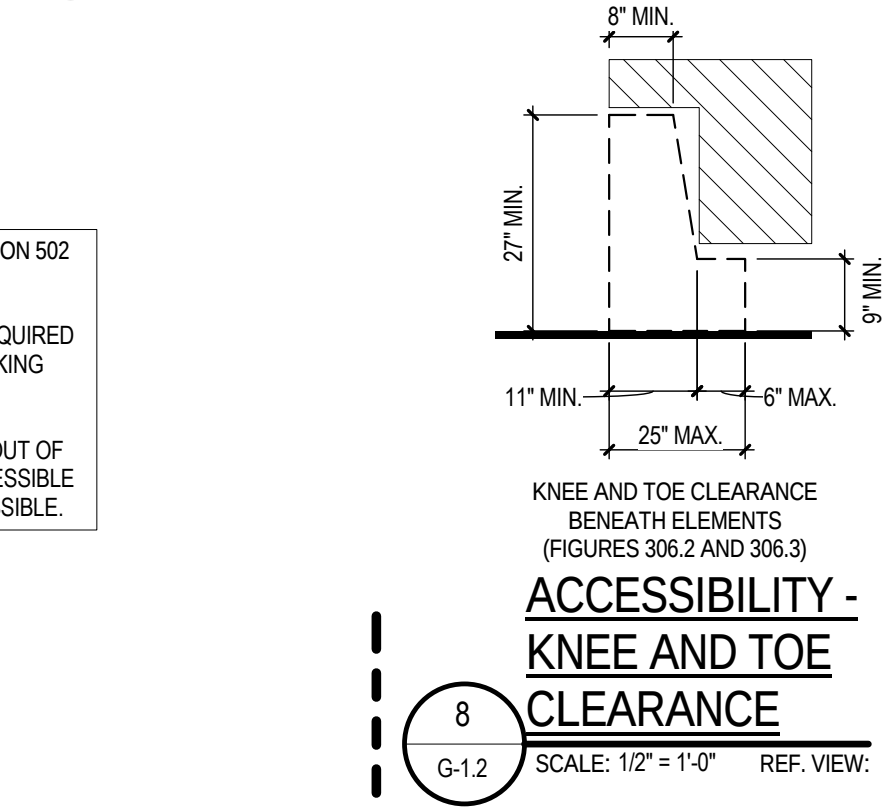


9 ACCESSIBILITY - PARKING

G-1.2 SCALE: 1/8" = 1'-0" REF. VIEW:

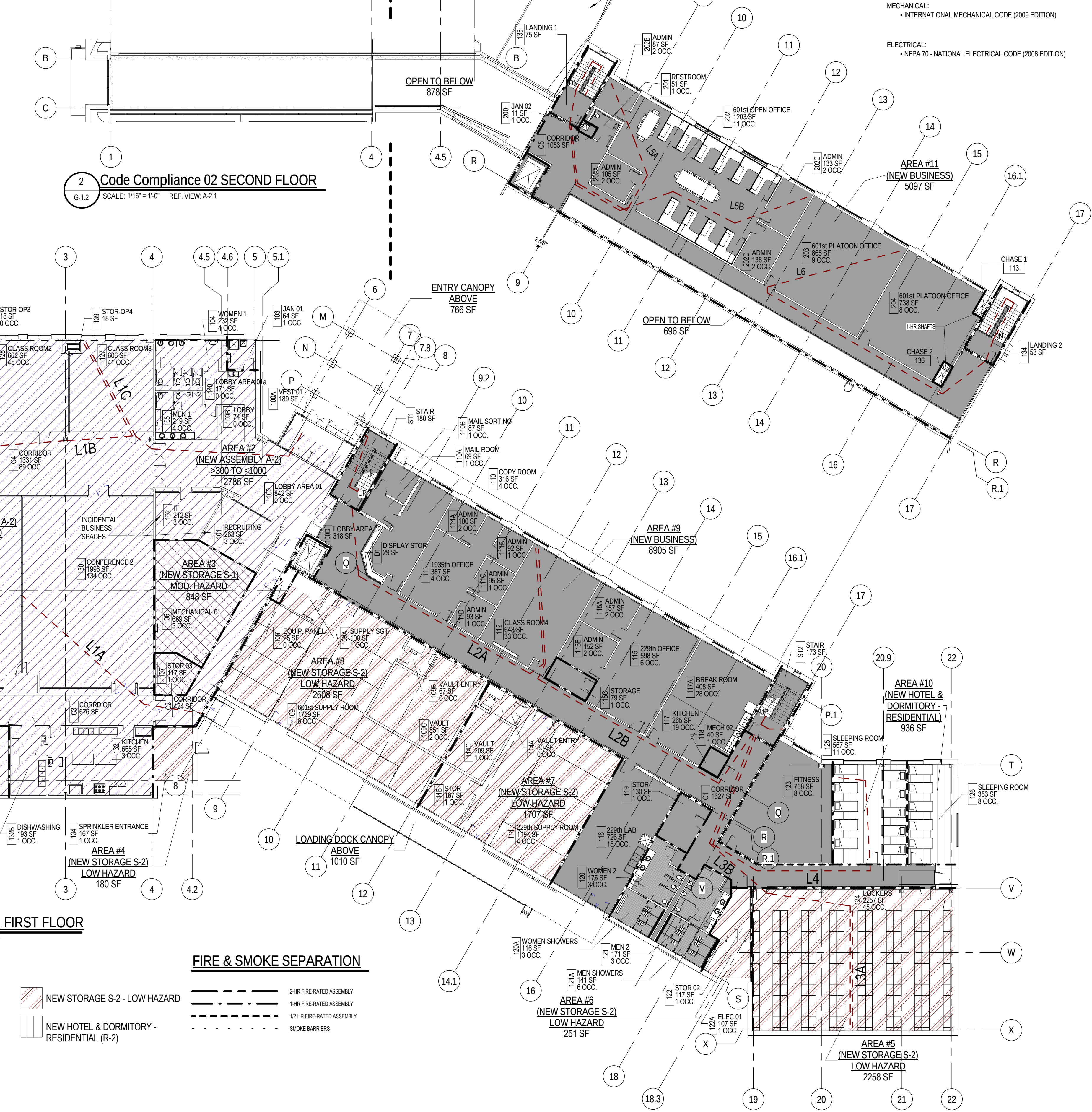
4 ACCESSIBILITY - RAMP HANDRAIL

G-1.2 SCALE: 1/2" = 1'-0" REF. VIEW:



8 ACCESSIBILITY - KNEE AND TOE CLEARANCE

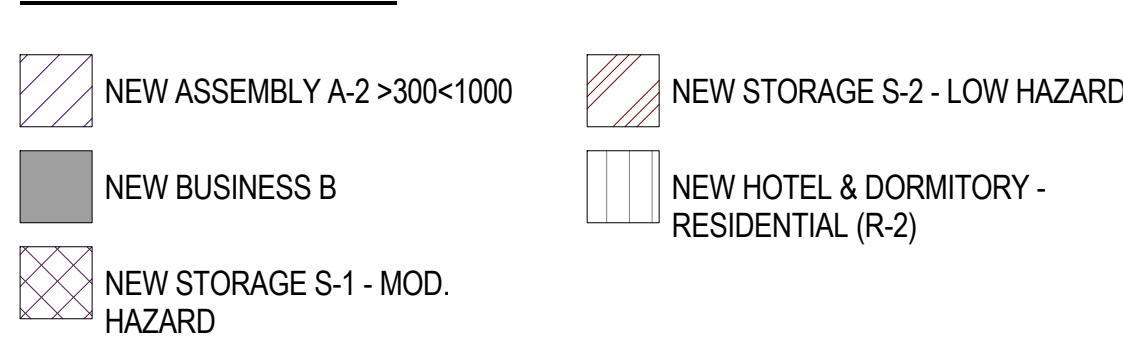
G-1.2 SCALE: 1/2" = 1'-0" REF. VIEW:



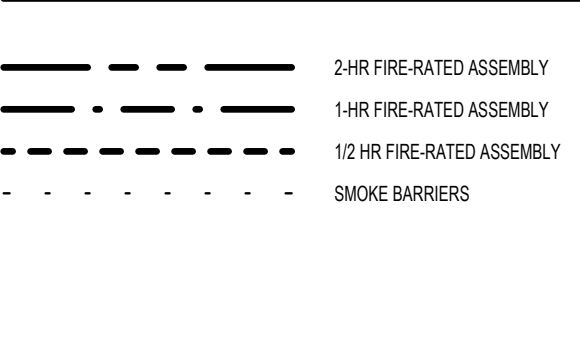
1 Code Compliance 01 FIRST FLOOR

G-1.2 SCALE: 1/16" = 1'-0" REF. VIEW: A-1.5

OCCUPANCY TYPE



FIRE & SMOKE SEPARATION



CONSTRUCTION TYPE & CODE INFORMATION

Number of Stories / Area	1 with Mezzanine / 30,150 GSF 1st Floor, 5,100 GSF 2nd Floor = 35,250 GSF
Construction Type	TYPE 2 - 000
Sprinklered NFPA 13	WET PIPE INTERIOR - DRY PIPE EXTERIOR COVERED AREAS
Building Code(s)	WV State Building Code (2009 Edition)
Fire Code(s)	International Building Code (2009 Edition)
Description of construction	WV State Fire Code (2009 Edition)
Occupancy Type(s)	NFPA 101, Occupancy - Business, Assembly (A-2), Hotel & Dormitory (R-2), Storage (S-1) (S-2)
Buckhannon City Zoning	NA

Line Series Number	Egress Length	Comments
L1A	63'	REMOTE POINT IN CONF 130 VIA CORR C2 TO EXIT
L1B	98'	REMOTE POINT CLASSROOM 127 VIA CORR C4 TO EXIT
L1C	82'	REMOTE POINT IN CLASSROOM 127 VIA LOBBY 100 TO MAIN ENTRY
L2A	113'	REMOTE POINT IN CLASSROOM 112 VIA CORR C1 TO STAIR 1
L2B	113'	REMOTE POINT IN CLASSROOM 112 VIA CORR C1 TO STAIR 2
L3A	33'	DEAD END - 59 FT.
L3B	112'	REMOTE POINT IN LOCKERS 124 TO STAIR 2
L4	112'	REMOTE POINT IN SLEEPING ROOM 125 VIA CORR C1 TO STAIR 2
L5A	72'	REMOTE POINT IN OPEN 601ST OPEN OFFICE 202 VIA CORR C2 TO STAIR 1
L5B	148'	REMOTE POINT IN CLASSROOM 112 VIA CORR C2 TO STAIR 1 AND DOWN TO EXIT DISCHARGE
L6	152'	REMOTE POINT IN CLASSROOM 112 VIA CORR C2 TO STAIR 2 AND DOWN TO EXIT DISCHARGE

PROJECT INFORMATION

PROJECT NAME: WVARNG BUCKHANNON AFRC

PROJECT LOCATION: BUCKHANNON, WV

PROJECT DESCRIPTION: 1-STORY W/ MEZZANINE BUILDING OF NON-COMBUSTIBLE CONSTRUCTION USED AS NATIONAL GUARD READINESS CENTER

APPLICABLE CODES

BUILDING:
• WEST VIRGINIA STATE BUILDING CODE (CURRENT EDITION)
• INTERNATIONAL BUILDING CODE (2009 EDITION)FIRE:
• WEST VIRGINIA STATE FIRE CODE (CURRENT EDITION)
• NFPA 101 LIFE SAFETY CODE (2009 EDITION)ACCESSIBILITY:
• ICC/ANSI A117.1-2003
• AMERICANS WITH DISABILITIES ACT STANDARD 2010ENERGY:
• INTERNATIONAL ENERGY CONSERVATION CODE (2003 EDITION)PLUMBING:
• INTERNATIONAL PLUMBING CODE (2009 EDITION)
• INTERNATIONAL FUEL GAS CODE (2009 EDITION)MECHANICAL:
• INTERNATIONAL MECHANICAL CODE (2009 EDITION)ELECTRICAL:
• NFPA 70 - NATIONAL ELECTRICAL CODE (2008 EDITION)

INTERNATIONAL AND ACCESSIBILITY CODES ARE AVAILABLE AT THE WEBSITE ABOVE.

01 FIRST FLOOR - CODE COMPLIANCE AREA SCHEDULE (NET)						
Number	Name	Occupancy	Area	SF/Person	No. of Urinals	Occupant Load
CIRCULATION & UNOCCUPYABLE SPACES						
100	LOBBY AREA 01	BUSINESS (B)	842 SF	0 SF		
100A	VEST 01	BUSINESS (B)	189 SF	0 SF		
100B	LOBBY	BUSINESS (B)	78 SF	0 SF		
100C	LOBBY AREA 02	ASSEMBLY (A-2)	318 SF	0 SF		
108	EQUIP. PANEL	STORAGE (S-2)	28 SF	0 SF		
130A	STOR-OP5	ASSEMBLY (A-2)	45 SF	0 SF		
130B	STOR-OP1	ASSEMBLY (A-2)	60 SF	0 SF		
137	STOR-OP2	ASSEMBLY (A-2)	61 SF	0 SF		
138	STOR-OP3	ASSEMBLY (A-2)	18 SF	0 SF		
138	STOR-OP4	ASSEMBLY (A-2)	18 SF	0 SF		
140	LOBBY AREA 01a	BUSINESS (B)	171 SF	0 SF		
C1	CORRIDOR	BUSINESS (B)	1627 SF	0 SF		
C2	CORRIDOR	BUSINESS (B)	424 SF	0 SF		
C3	CORRIDOR	ASSEMBLY (A-2)	676 SF	0 SF		
EV100	ELEV SHAFT	BUSINESS (B)	65 SF	0 SF		
S11	STAIR	BUSINESS (B)	180 SF	0 SF		
S12	STAIR	BUSINESS (B)	173 SF	0 SF		
GENERAL			4966 SF		0	0

101	RECRUITING	BUSINESS (B)	263 SF	100 SF		3
102	IT	BUSINESS (B)	212 SF	100 SF		3
103	JAN 01	STORAGE (S-1)	64 SF	300 SF		1
123	MECHANICAL 01	STORAGE (S-2)	686 SF	300 SF		3
107	STOR 03	BUSINESS (B)	117 SF	300 SF		1
110A	MAIL ROOM		69 SF			
112	CLASS ROOM4	BUSINESS (B)	648 SF	20 SF		33
115C	STORAGE	BUSINESS (B)	79 SF	300 SF		
116	229th LAB	BUSINESS (B)	726 SF	50 SF		15
118	MECH 02	STORAGE (S-2)	40 SF	300 SF		1
119	STOR	STORAGE (S-2)	130 SF	300 SF		1
122	STOR 02	STORAGE (S-1)	117 SF	300 SF		1
122A	ELEC 01	STORAGE (S-2)	107 SF	300 SF		1
123	FITNESS	BUSINESS (B)	758 SF	100 SF		8
124	LOCKERS	STORAGE (S-2)	2257 SF	50 SF		46
125	SLEEPING ROOM	RESIDENTIAL (R-1)	567 SF	50 SF		12
126	SLEEPING ROOM	RESIDENTIAL (R-1)	353 SF	50 SF		8
127	CLASS ROOM3	ASSEMBLY (A-2)	606 SF	15 SF		41
128	CLASS ROOM2	ASSEMBLY (A-2)	662 SF	15 SF		45
129	CLASS ROOM1	ASSEMBLY (A-2)	626 SF	15 SF		42
130	CONFERENCE 2	ASSEMBLY (A-2)	1996 SF	15 SF		134
131	CONFERENCE CENTER	ASSEMBLY (A-2)	2002 SF	15 SF		134
132	KITCHEN	ASSEMBLY (A-2)	565 SF	200 SF		3
132B	DISHWASHING	ASSEMBLY (A-2)	193 SF	200 SF		1
133	TABLE / CHAIR STOR	STORAGE (S-1)	640 SF	300 SF		3
134	SPRINKLER ENTRANCE	STORAGE (S-2)	167 SF	300 SF		1
C4	CORRIDOR	ASSEMBLY (A-2)	131 SF	15 SF		89
D1	DISPLAY STOR	BUSINESS (B)	290 SF	0 SF		
SUITE 109			16009 SF		0	631

109	601st SUPPLY ROOM	STORAGE (S-1)	1769 SF	300 SF		6
109A	SUPPLY SGT	BUSINESS (B)	100 SF	100 SF		2
109B	VAULT ENTRY	STORAGE (S-1)	67 SF	0 SF		
109C	VAULT	STORAGE (S-1)	551 SF	300 SF		2
SUITE 110			2486 SF		0	10
110	COPY ROOM	BUSINESS (B)	316 SF	100 SF		4
110B	MAIL SORTING	BUSINESS (B)	87 SF	100 SF		1
SUITE 111			404 SF		0	5
111	1839th OFFICE	BUSINESS (B)	387 SF	100 SF		4
111A	ADMIN	BUSINESS (B)	100 SF	100 SF		1
111B	ADMIN	BUSINESS (B)	92 SF	100 SF		1
111C	ADMIN	BUSINESS (B)	95 SF	100 SF		1
111D	ADMIN	BUSINESS (B)	93 SF	100 SF		1
SUITE 114			787 SF		0	8
114	229th SUPPLY ROOM	STORAGE (S-1)	1197 SF	300 SF		4
114A	VAULT ENTRY	STORAGE (S-1)	80 SF	0 SF		
114B	STOR	STORAGE (S-1)	167 SF	300 SF		1
114C	VAULT	STORAGE (S-1)	299 SF	300 SF		1
SUITE 115			1653 SF		0	6
115	229th OFFICE	BUSINESS (B)	598 SF	100 SF		6
115A	ADMIN	BUSINESS (B)	157 SF	100 SF		2
115B	ADMIN	BUSINESS (B)	152 SF	100 SF		2
SUITE 117			907 SF		0	10
117	KITCHEN	BUSINESS (B)	265 SF	15 SF		18
117A	BREAK ROOM	BUSINESS (B)	408 SF	15 SF		28
SUITE 118			673 SF		0	46
118	RESTROOM	BUSINESS (B)	673 SF	15 SF		1
TOILET RMS						
104	WOMEN 1	BUSINESS (B)	232 SF		4	
105	MEN 1	BUSINESS (B)	219 SF		4	
106	WOMEN 2	BUSINESS (B)	175 SF		3	
120A	WOMEN SHOWERS	BUSINESS (B)	216 SF		3	
121	MEN 2	BUSINESS (B)	171 SF		3	
121A	MEN SHOWERS	BUSINESS (B)	141 SF		6	
SUITE 119			28919 SF		23	716

02 SECOND FLOOR - CODE COMPLIANCE AREA SCHEDULE (NET)						
Number	Name	Occupancy	Area	SF/Person	No. of t/s/ urinals	Occupant Load
CIRCULATION & UNOCCUPYABLE SPACES						
113	CHASE 1		14 SF		0	0
134	LANDING 1	BUSINESS (B)	53 SF	0 SF	0	0
135	LANDING 2	BUSINESS (B)	75 SF	0 SF	0	0
136	CHASE 2		14 SF		0	0
C5	CORRIDOR	BUSINESS (B)	1063 SF	0 SF	0	0
			1210 SF		0	0
GENERAL						
200	JAN 02	BUSINESS (B)	11 SF	300 SF	0	1
203	601st PLATOON OFFICE	BUSINESS (B)	865 SF	100 SF	0	9
204	601st PLATOON OFFICE	BUSINESS (B)	738 SF	100 SF	0	8
			1614 SF		0	18
SUITE 202						
202	601st OPEN OFFICE	BUSINESS (B)	1203 SF	100 SF	0	13
202A	ADMIN	BUSINESS (B)	105 SF	100 SF	0	2
202B	ADMIN	BUSINESS (B)	87 SF	100 SF	0	1
202C	ADMIN	BUSINESS (B)	133 SF	100 SF	0	2
202D	ADMIN	BUSINESS (B)	138 SF	100 SF	0	2
			1668 SF		0	20
TOILET RMS						
201	RESTROOM	BUSINESS (B)	51 SF		1	0
			51 SF		1	0
			4543 SF		1	38

MAPPING NOTES

1. ALL UNDERGROUND UTILITIES AS SHOWN HEREON ARE APPROXIMATE LOCATIONS AND ARE BASED ON UTILITY COMPANY MARKINGS, EXISTING STRUCTURE LOCATIONS AND PLAN INFORMATION PROVIDED BY OTHERS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY LOCATIONS PRIOR TO CONSTRUCTION.

2. TOPOGRAPHIC MAPPING COMPILED FROM AERIAL SURVEY PERFORMED BY GEO ONE, REYNOLDSBURG, OH, ON FEBRUARY 19 2011. SURVEY CONTROL AND TOPOGRAPHIC DATA RANDOMLY CHECKED FOR ACCURACY BY CAPITOL ENGINEERING, INC. BY FIELD SURVEY.

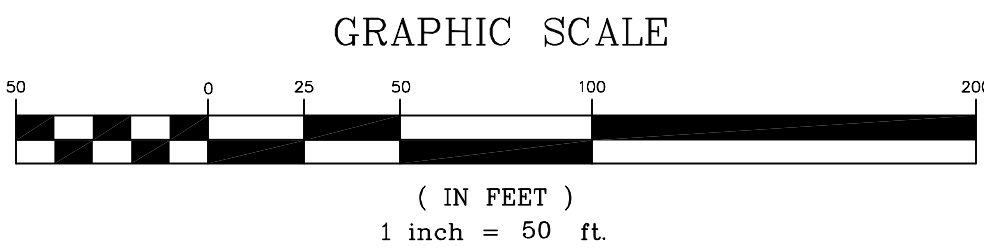
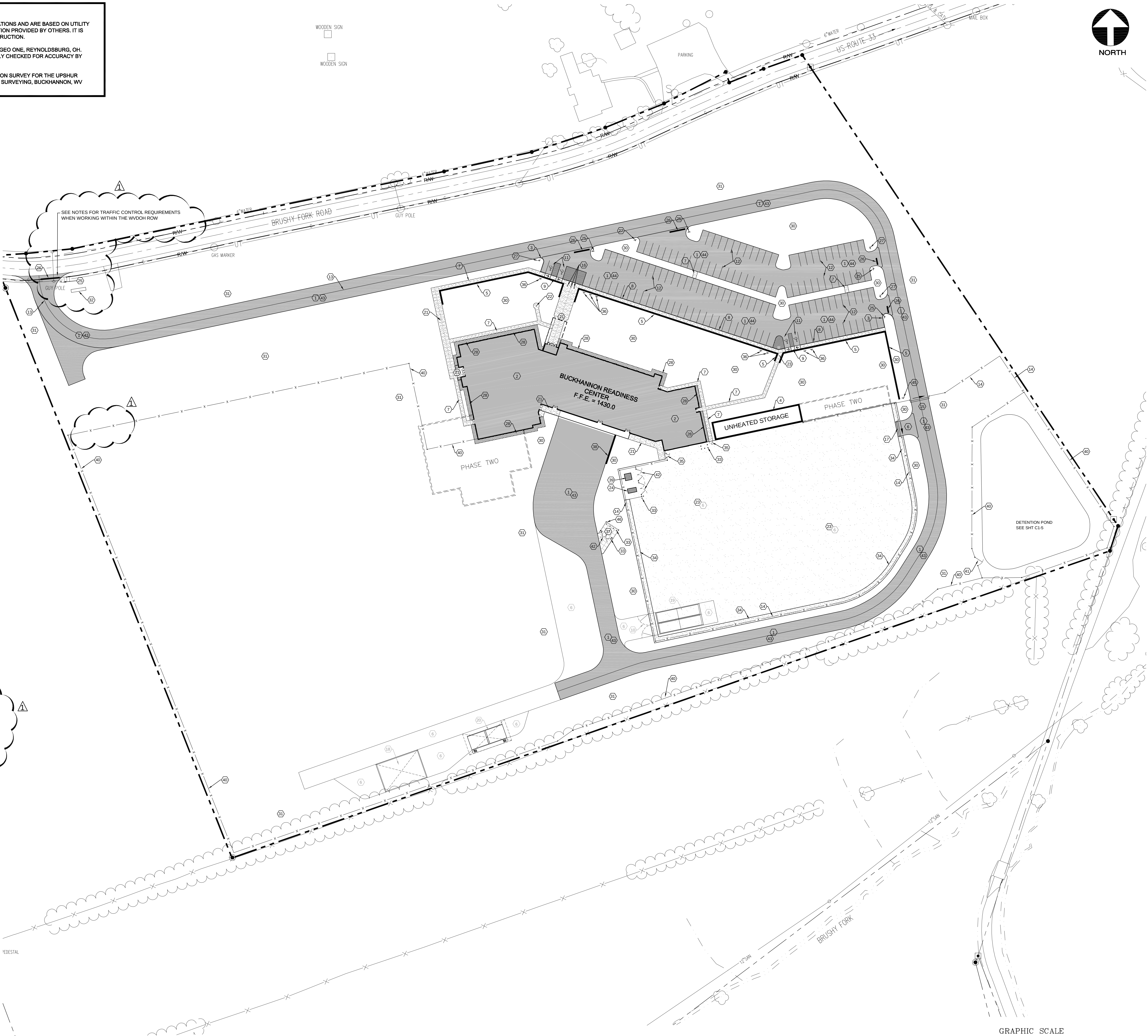
3. PROPERTY INFORMATION OBTAINED FROM A PLAT NAMED "PLAT OF PARTITION SURVEY FOR THE UPSHUR COUNTY DEVELOPMENT AUTHORITY" PREPARED AND SURVEYED BY BENNETT SURVEYING, BUCKHANNON, WV NOVEMBER 28, 2010.

- LAYOUT NOTE KEY**
- 1 CONCRETE PAVEMENT - SEE DETAIL 2 / C2-2
 - 2 BUCKHANNON READINESS CENTER
 - 3 CAST IN PLACE CURB - SEE DETAIL 5 / C2-2
 - 4 UNHEATED METAL STORAGE BUILDING - SEE ARCHITECTURAL DRAWINGS
 - 5 18" PRECAST CONCRETE WALL - SEE DETAIL 3 / C2-12
 - 6 CONCRETE PAVING - SEE DETAIL 2 / C2-2
 - 7 5'-0" WIDE CONCRETE SIDEWALK - SEE DETAIL 6 / C2-2
 - 8 INTEGRAL CURB AND SIDEWALK - SEE DETAIL 5 / C2-2
 - 9 CURB RAMP - SEE DETAIL 2 / C2-3
 - 10 30' DOUBLE SWING GATE - SEE DETAIL 8 / C2-5
 - 11 HANDICAPPED PARKING SPACE - SEE DETAILS 4 / C2-3
 - 12 PARKING SPACE STRIPING - SEE DETAILS 5 / C2-3
 - 13 ACCESS ROAD STRIPING - SEE DETAILS 8 / C2-3
 - 14 CHAIN LINK SECURITY FENCE - SEE DETAIL SHEET C2-4
 - 15 24'-0" WIDE SLIDING GATE - SEE DETAIL SHEET C2-5
 - 16 REMOVABLE BOLLARD - SEE DETAIL 2 / C2-12
 - 17 20'-0" WIDE SLIDING GATE - SEE DETAIL 182 / C2-5
 - 18 FUEL POINT WITH CANOPY (ALT. BID) - SEE DETAIL SHEET C2-13
 - 19 LOADING RAMP - SEE DETAIL SHEET C2-8
 - 20 WASH RACK WITH CANOPY (ALT. BID) - SEE DETAIL SHEET C2-9 & C2-10
 - 21 CONCRETE WALKWAY - SEE DETAIL 6 / C2-2
 - 22 40' FLAGPOLE - SEE DETAIL 7 / C2-12
 - 23 HARDSTAND PAVING - SEE DETAIL 1 / C2-2
 - 24 EQUIPMENT PAD - SEE ELECTRICAL PLANS
 - 25 STOP SIGN - SEE DETAIL 6 / C2-3
 - 26 24" STOP BAR - SEE DETAIL 8 / C2-3
 - 27 NO HEAVY TRUCKS SIGN - SEE DETAIL 6 / C2-3
 - 28 GRAVEL MAINTENANCE STRIP - SEE DETAIL 4 / C2-11
 - 29 PEDESTRIAN CROSSING STRIP - SEE DETAIL 3 / C2-3
 - 30 TYPE 1 LAWN - SEE SPECIFICATION 02820 "LAWNS AND GRASSES"
 - 31 TYPE 2 LAWN - SEE SPECIFICATION 02820 "LAWNS AND GRASSES"
 - 32 ENTRANCE SIGN - SEE ARCHITECTURAL DRAWINGS
 - 33 8" BOLLARD - SEE DETAIL 1 / C2-12
 - 34 GRAVEL APRON - SEE DETAIL 7 / C2-2
 - 35 5' SWING GATE - SEE DETAIL 9 / C2-4
 - 36 HEV SIGN - SEE DETAIL 6 / C2-3
 - 37 DUMPSTER PAD - SEE DETAIL 2 / C2-2
 - 38 LOADING DOCK RETAINING WALL - SEE DETAIL 8 / C2-12
 - 39 TRANSFORMER PAD - SEE ELECTRICAL PLANS
 - 40 FIELD FENCE - SEE DETAIL 5 / C2-12
 - 41 FARM (FIELD FENCE) GATE - SEE DETAIL 6 / C2-12
 - 42 18" DOUBLE SWING GATE - SEE SHEET C2-5
 - 43 TYPE 1 ASPHALT PAVEMENT (ALT. BID) - SEE SHEET C2-2
 - 44 TYPE 1 ASPHALT PAVEMENT (ALT. BID) - SEE SHEET C2-2
 - 45 AUTHORIZED VEHICLES ONLY SIGN - SEE DETAIL 6 / C2-3
 - 46 CHAIN LINK SECURITY FENCE WITH PRIVACY SLATS SEE SHEET C2-4
- NOTE: ALL PARKING SPACES TO HAVE WHEEL STOPS SEE DETAIL 1 / C2-3

LEGEND

→ SLOPE INDICATION ARROW (FOR REFERENCE ONLY)

- NOTES:**
1. CONTRACTOR MUST NOTIFY THE WVDOH DISTRICT SEVEN PERMIT SUPERVISOR PRIOR TO INITIATING WORK WITHIN THE WVDOH RIGHT OF WAY.
2. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH SECTION 636 OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS ROADS AND BRIDGES, ADOPTED 2000, AND THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS SUPPLEMENTAL SPECIFICATIONS DATED JANUARY 1, 2009 AND THE MANUAL ON TEMPORARY TRAFFIC CONTROL FOR STREETS AND HIGHWAYS, 2006 EDITION.
3. CASE A6 OF THE MANUAL FOR TEMPORARY TRAFFIC CONTROL OF STREETS AND HIGHWAYS 2006 EDITION SHALL BE USED FOR MAINTENANCE OF TRAFFIC AS WORK CONDITIONS REQUIRE.



OAA

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WVARNG
BUCKHANNON AFRC
BUCKHANNON, WV

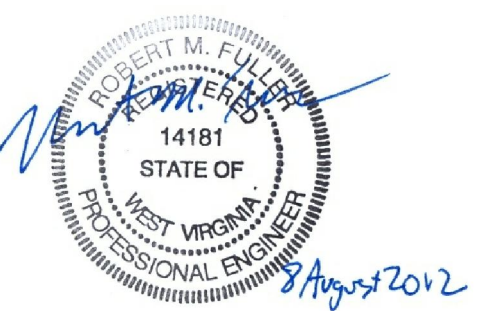
SITE LAYOUT PLAN

DRAWN BY: JMS
PROJECT ISSUE DATE: 6 - 28 - 12
SHEET ISSUE DATE: 6 - 28 - 12

Drawing Revisions	
No.	Date
1	8-6-12 ADDED NOTES AND DELETED FARM GATE

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-3

- APPROVED DRAWING USE:**
- ☐ DESIGN DEVELOPMENT
 - ☐ PROGRESS
 - ☐ PERMIT ACQUISITION
 - ☒ FOR BIDDING
 - ☐ CONSTRUCTION DOCUMENT



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SHEET NO.

C1-3

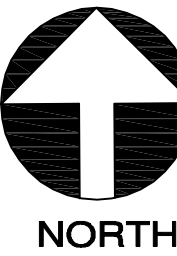
MAPPING NOTES

1. ALL UNDERGROUND UTILITIES AS SHOWN HEREON ARE APPROXIMATE LOCATIONS AND ARE BASED ON UTILITY COMPANY MARKINGS, EXISTING STRUCTURE LOCATIONS AND PLAN INFORMATION PROVIDED BY OTHERS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY LOCATIONS PRIOR TO CONSTRUCTION.

2. TOPOGRAPHIC MAPPING COMPILED FROM AERIAL SURVEY PERFORMED BY GEO ONE, REYNOLDSBURG, OH, ON FEBRUARY 19 2011. SURVEY CONTROL AND TOPOGRAPHIC DATA RANDOMLY CHECKED FOR ACCURACY BY CAPITOL ENGINEERING, INC. BY FIELD SURVEY.

3. PROPERTY INFORMATION OBTAINED FROM A PLAT NAMED "PLAT OF PARTITION SURVEY FOR THE UPSHUR COUNTY DEVELOPMENT AUTHORITY" PREPARED AND SURVEYED BY BENNETT SURVEYING, BUCKHANNON, WV NOVEMBER 28, 2010.

WOODEN SIGN



WVARNG
BUCKHANNON AFRC
BUCKHANNON, WV

CONSTRUCTION
STAKEOUT PLAN

DRAWN BY: JMS
PROJECT ISSUE DATE: 6 - 28 - 12
SHEET ISSUE DATE: 6 - 28 - 12

No.	Date
1	6-28-12

5-6-12 UPDATED DIMENSIONS
AND ADDED ROAD STATIONING

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-3.2

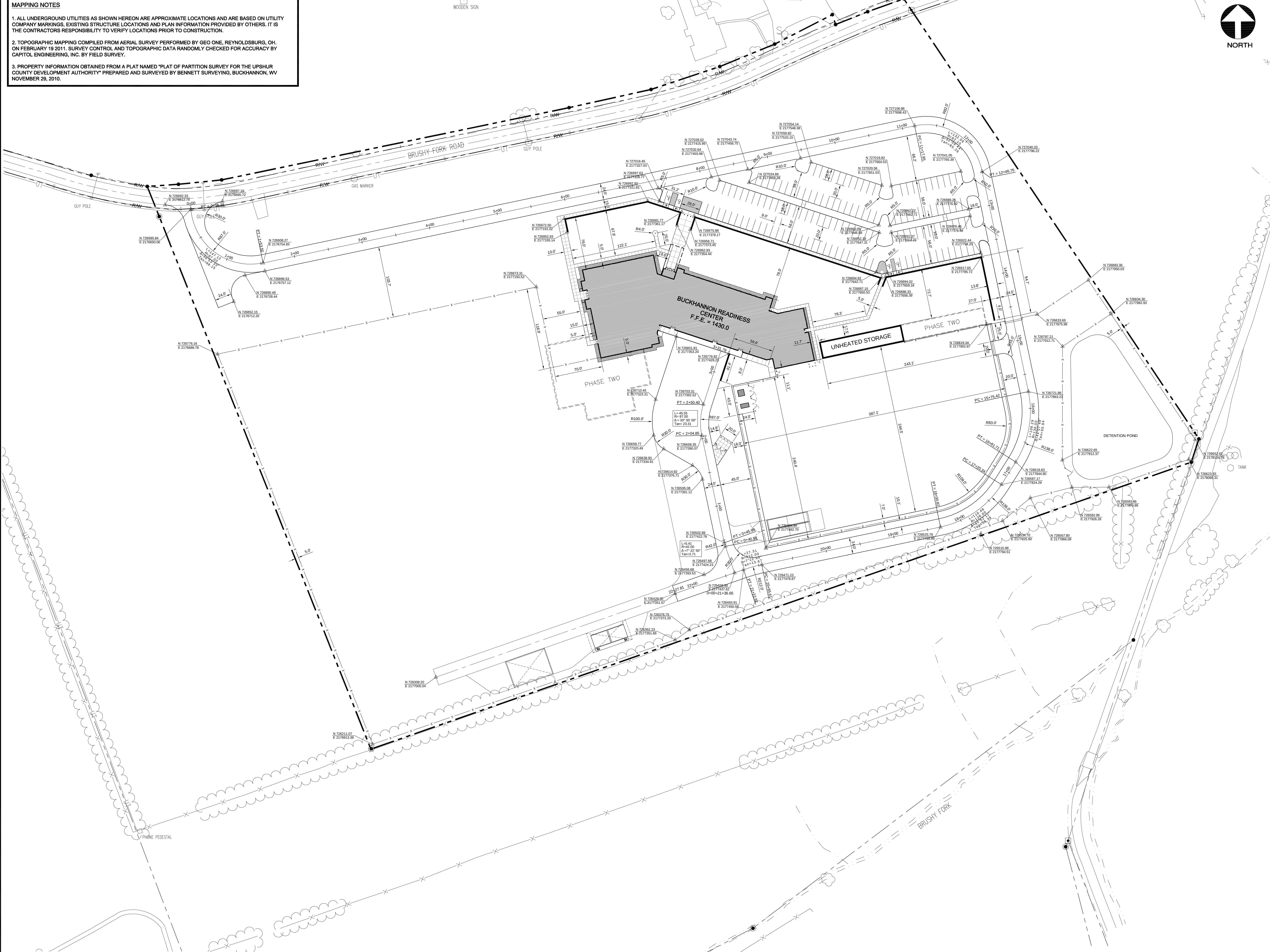
APPROVED DRAWING USE:

- ☐ DESIGN DEVELOPMENT
- ☐ PROGRESS
- ☐ PERMIT ACQUISITION
- ☒ FOR BIDDING
- ☐ CONSTRUCTION DOCUMENT



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SHEET NO.
C1-3.2



GRAPHIC SCALE



MAPPING NOTES:

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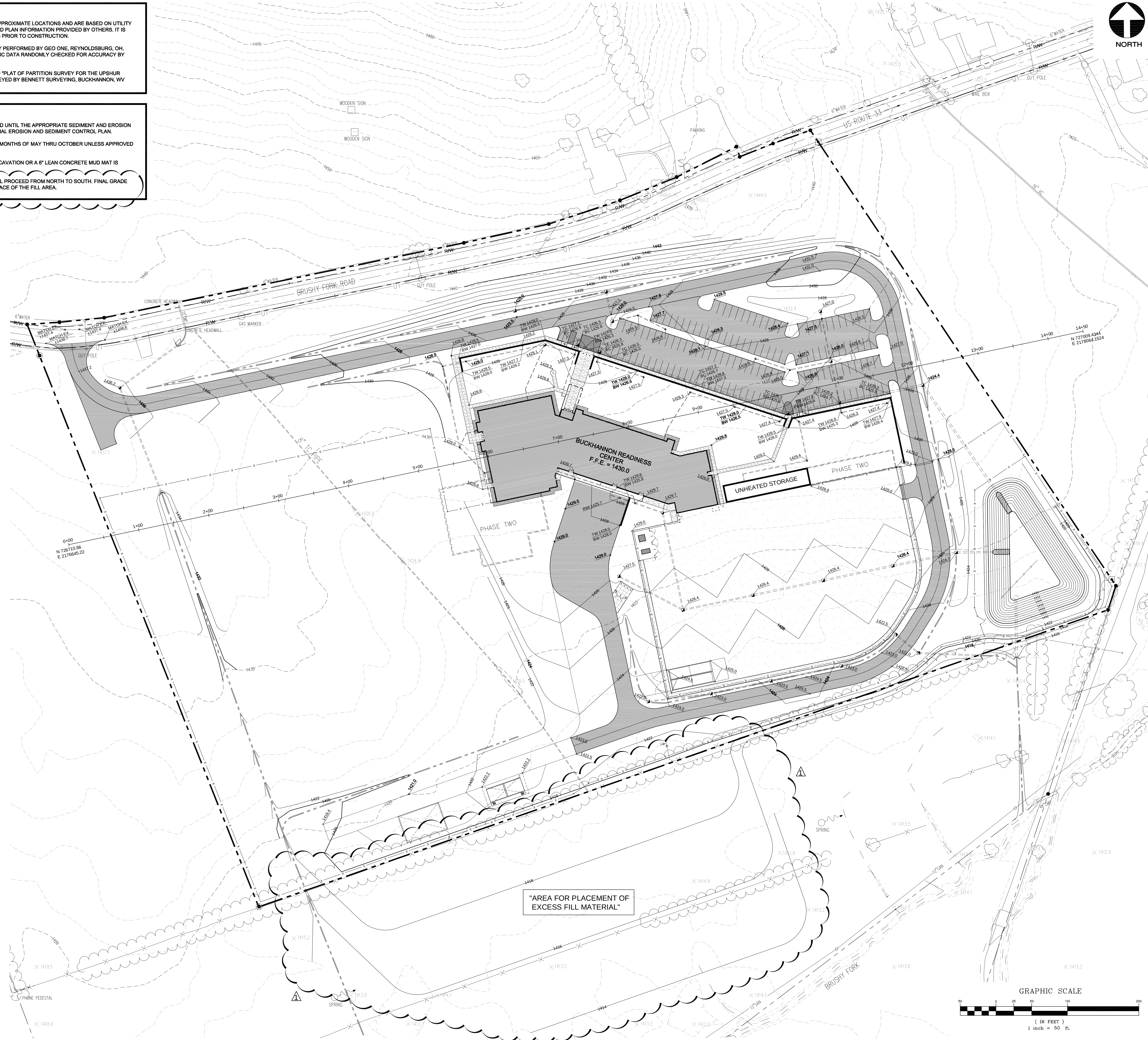
GRADING NOTES:

1. EARTH DISTURBING ACTIVITIES SHALL NOT BE PERFORMED UNTIL THE APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES ARE IN PLACE. SEE SHEET C1-7 "INITIAL EROSION AND SEDIMENT CONTROL PLAN."

2. BULK EARTH MOVING MUST BE PERFORMED DURING THE MONTHS OF MAY THRU OCTOBER UNLESS APPROVED IN WRITING BY THE COTR.

3. FOOTINGS MUST BE POURED WITHIN FOUR HOURS OF EXCAVATION OR A 6" LEAN CONCRETE MUD MAT IS REQUIRED (WITHIN FOUR HOURS OF EXCAVATION)

4. FILL PLACEMENT IN THE EXCESS FILL MATERIAL AREA WILL PROCEED FROM NORTH TO SOUTH. FINAL GRADE SHALL BE ACHIEVED EVENLY ACROSS THE EAST - WEST FACE OF THE FILL AREA.



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BUCKHANNON, WV

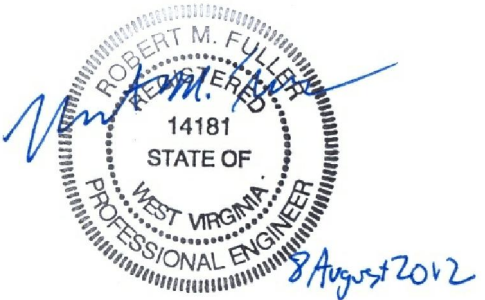
GRADING PLAN

DRAWN BY: JMS
PROJECT ISSUE DATE: 6 - 28 - 12
SHEET ISSUE DATE: 6 - 28 - 12

No.	Date
1	8-6-12 REVISED EXCESS FILL PLACEMENT AREA AND NOTE

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-4

- APPROVED DRAWING USE:**
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SHEET NO.
C1-4



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BUCKHANNON, WV

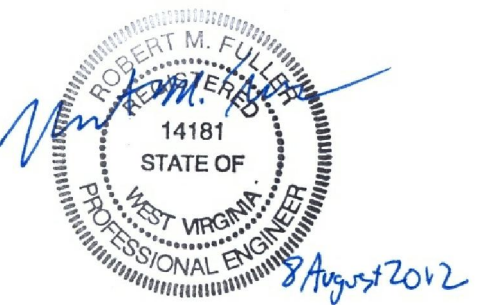
SITE CROSS SECTIONS
0+00 - 3+00

DRAWN BY: JMS
PROJECT ISSUE DATE: 6 - 28 - 12
SHEET ISSUE DATE: 6 - 28 - 12

Drawing Revisions	
No.	Date
1	8-6-12 REVISED UNDERGROUND UTILITIES

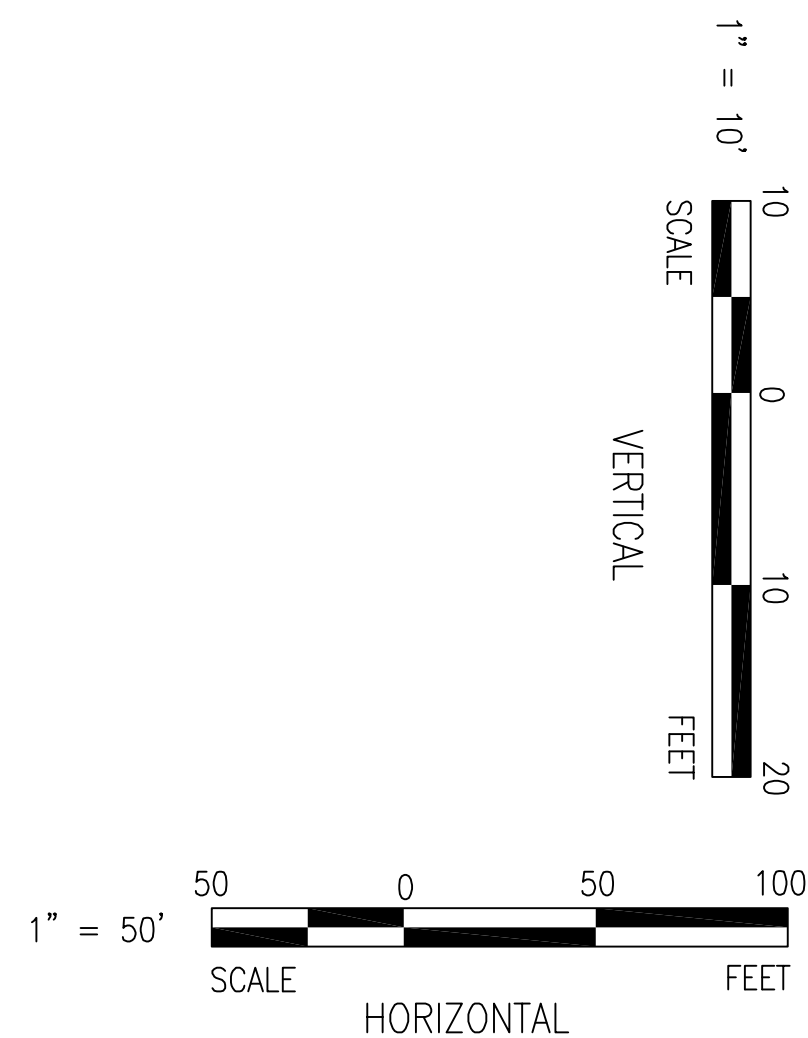
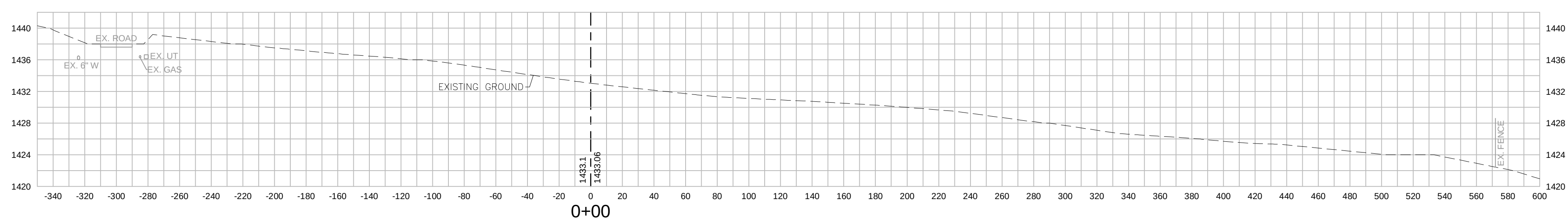
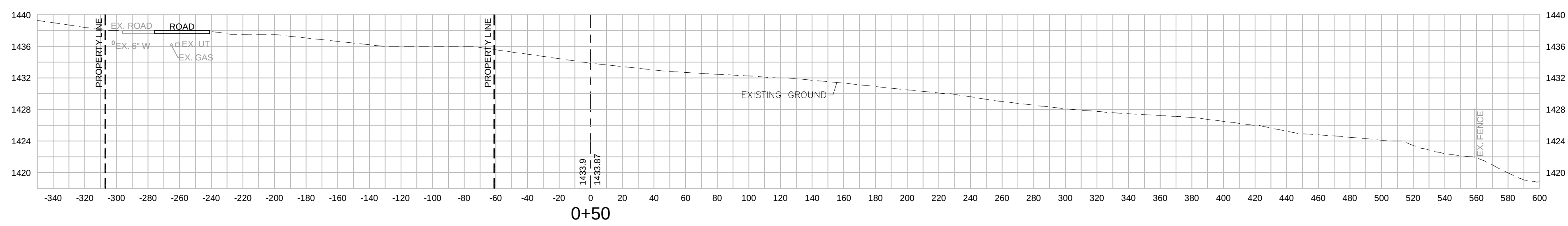
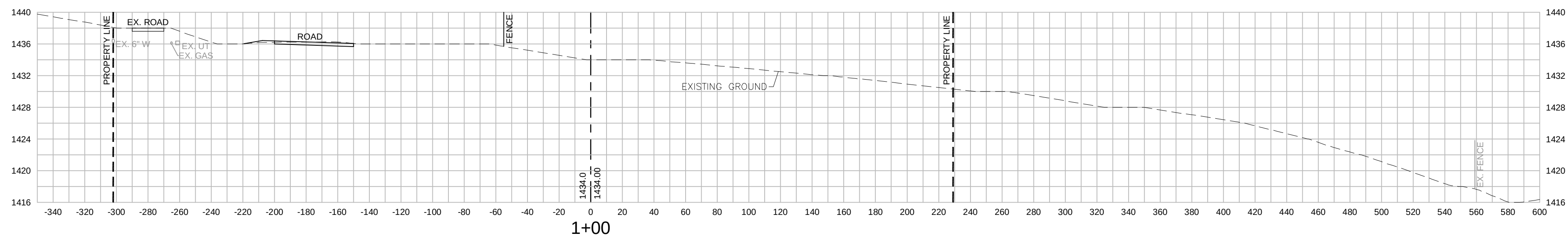
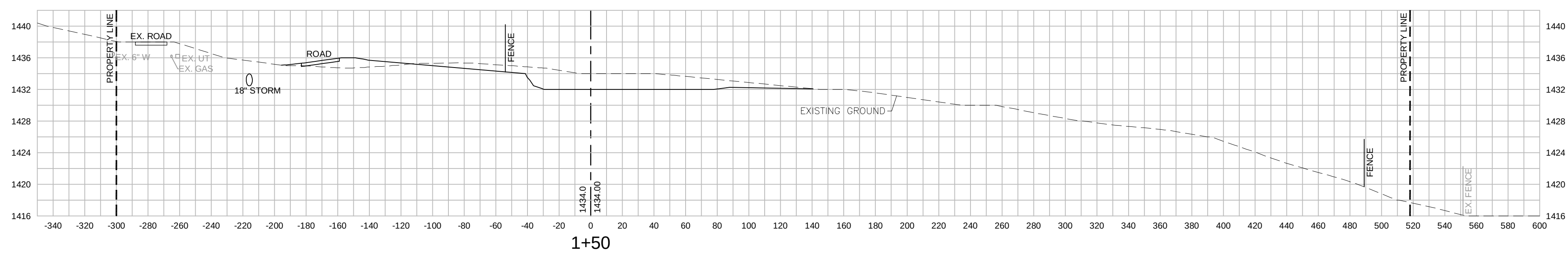
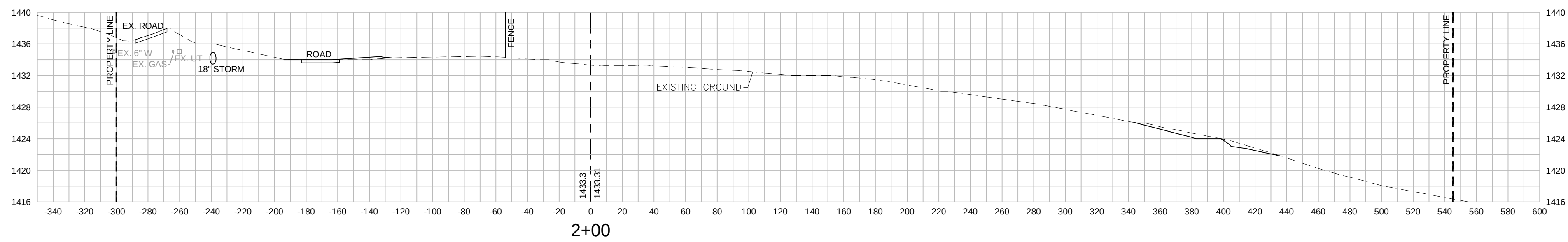
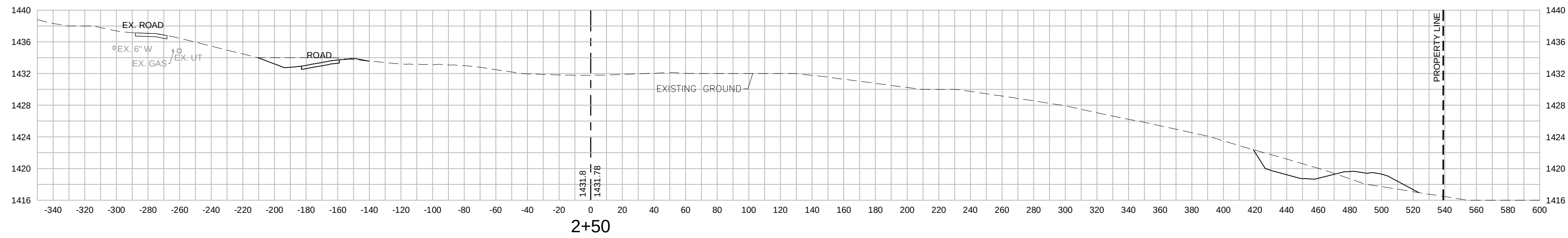
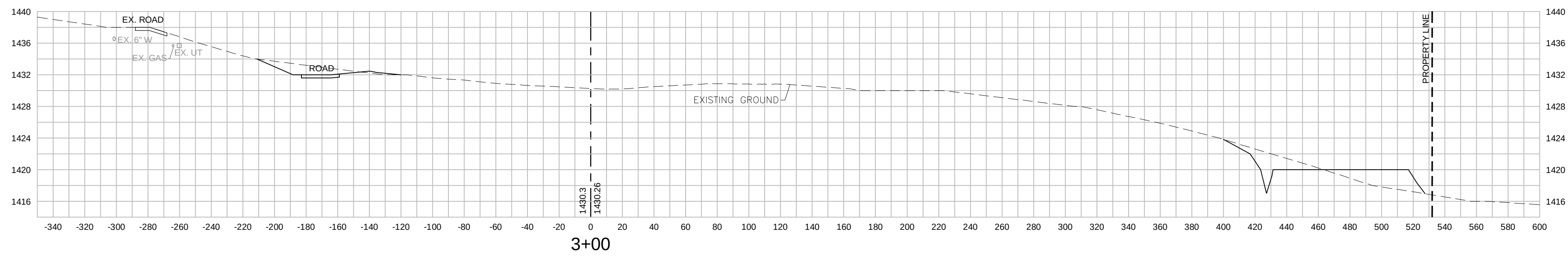
ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-4.3

- APPROVED DRAWING USE:**
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 - ☐ PERMIT ACQUISITION
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C1-4.3





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BUCKHANNON, WV

SITE CROSS SECTIONS
3+50 - 6+00

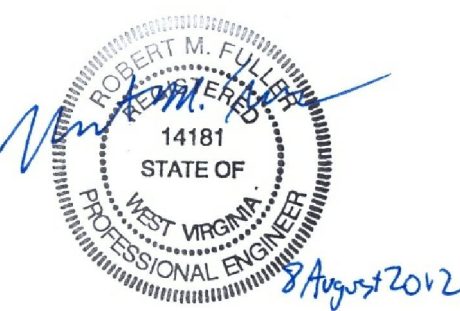
DRAWN BY: JMS
PROJECT ISSUE DATE: 6 - 28 - 12
SHEET ISSUE DATE: 6 - 28 - 12

Drawing Revisions	
No.	Date
1	8-6-12 REVISED UNDERGROUND UTILITIES

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-4.4

APPROVED DRAWING USE:

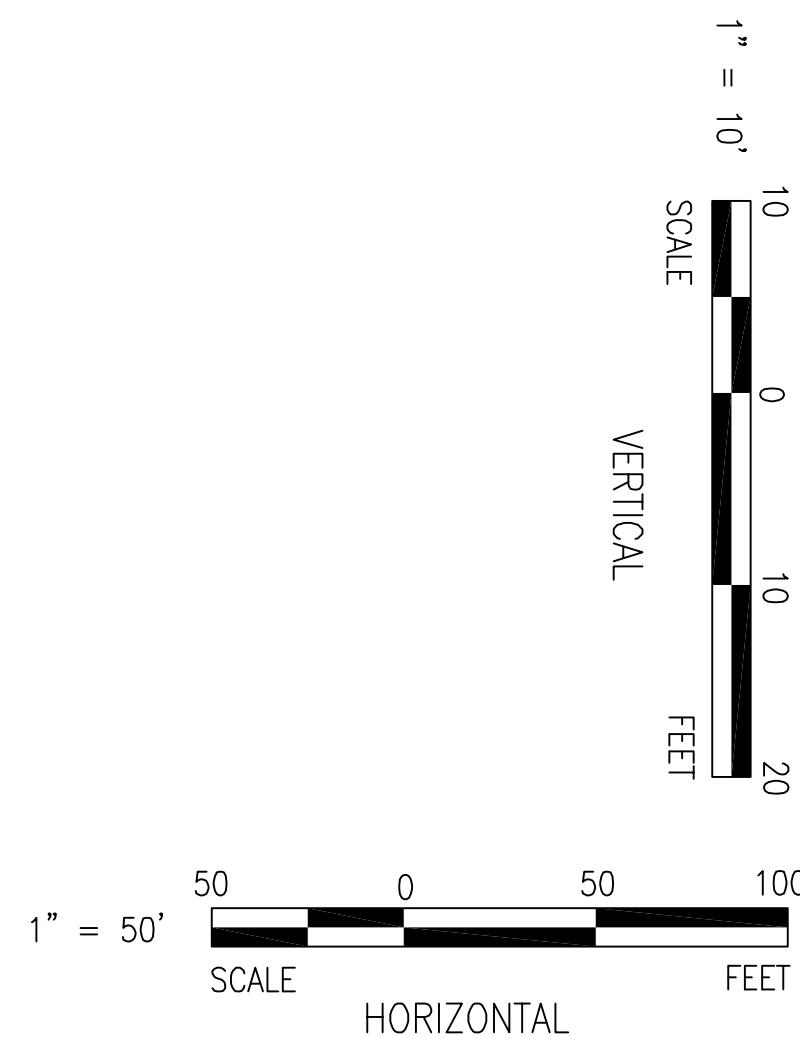
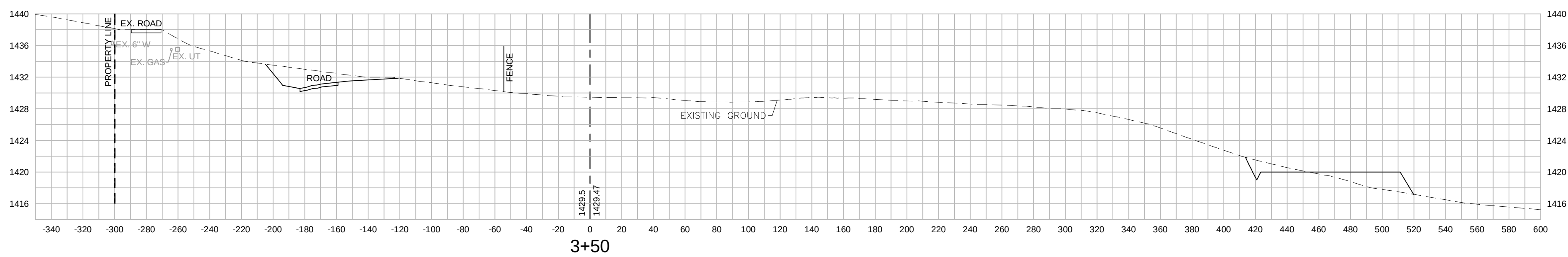
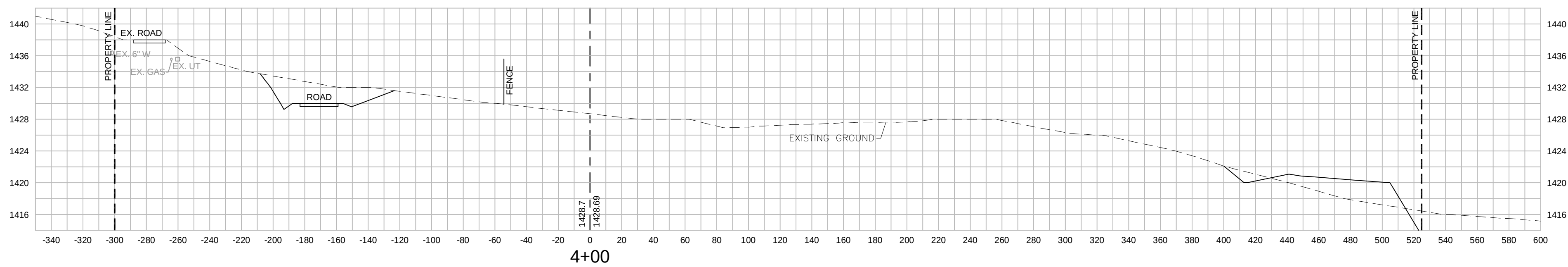
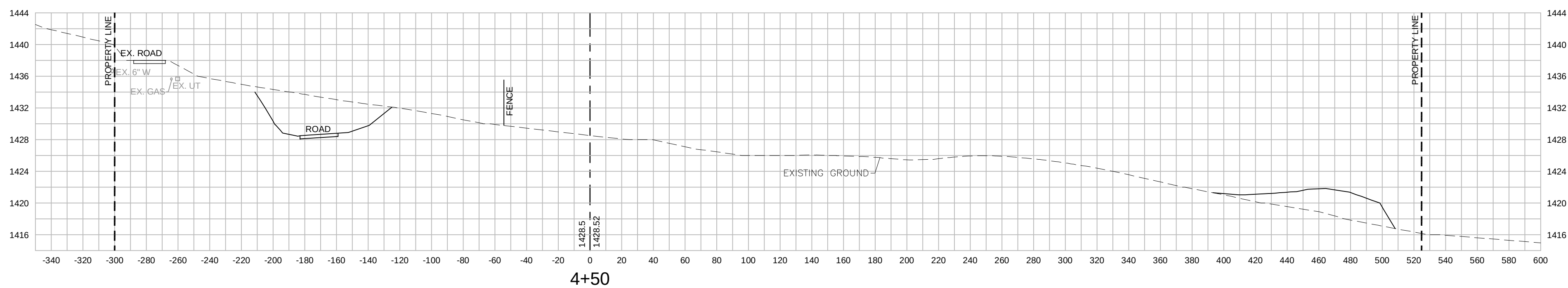
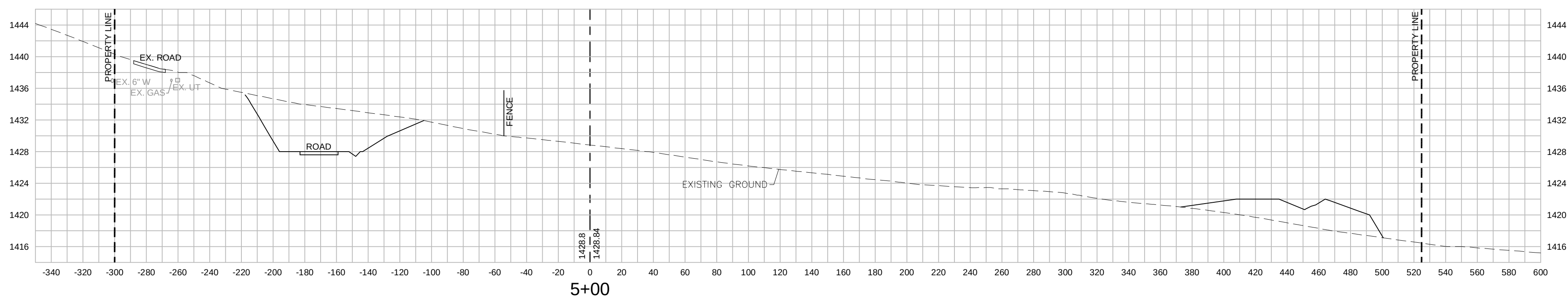
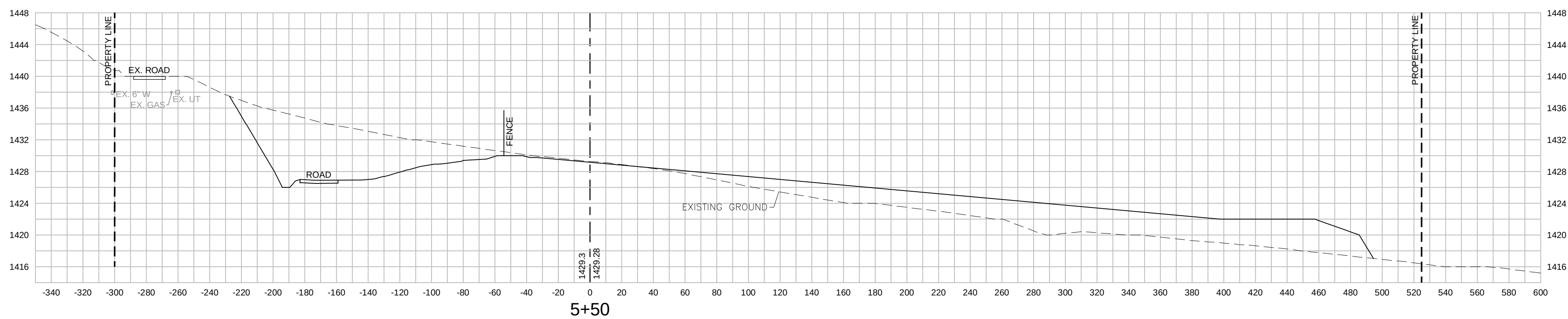
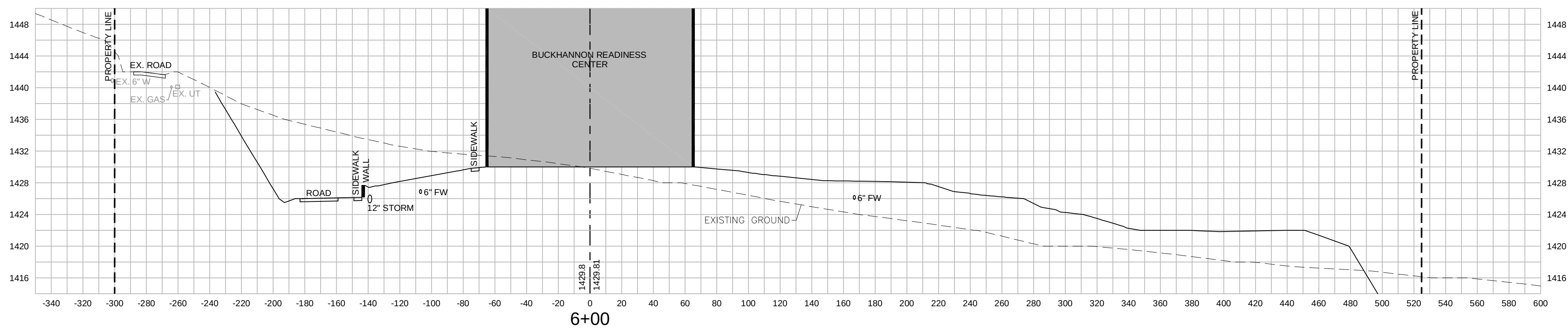
- ☐ DESIGN DEVELOPMENT
☐ PROGRESS
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☐ CONSTRUCTION DOCUMENT



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SHEET

C1-4.4





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BUCKHANNON, WV

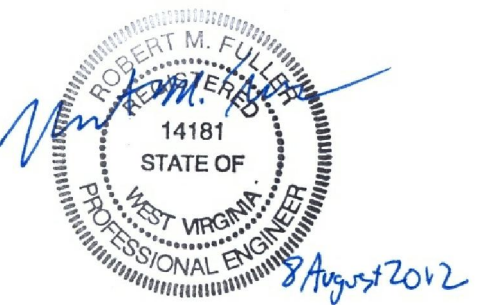
SITE CROSS SECTIONS
6+50 - 8+50

DRAWN BY: JMS	
PROJECT ISSUE DATE: 6 - 28 - 12	
SHEET ISSUE DATE: 6 - 28 - 12	
Drawing Revisions	
No.	Date
1	8-6-12 REVISED UNDERGROUND UTILITIES

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-4.5

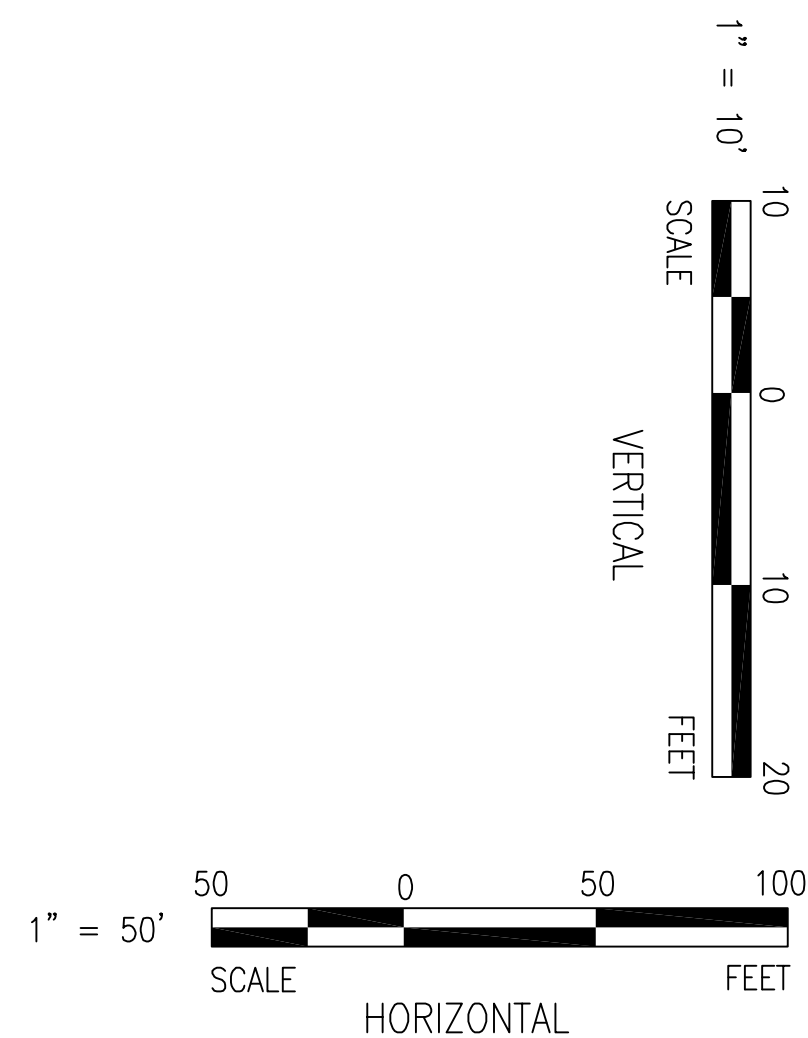
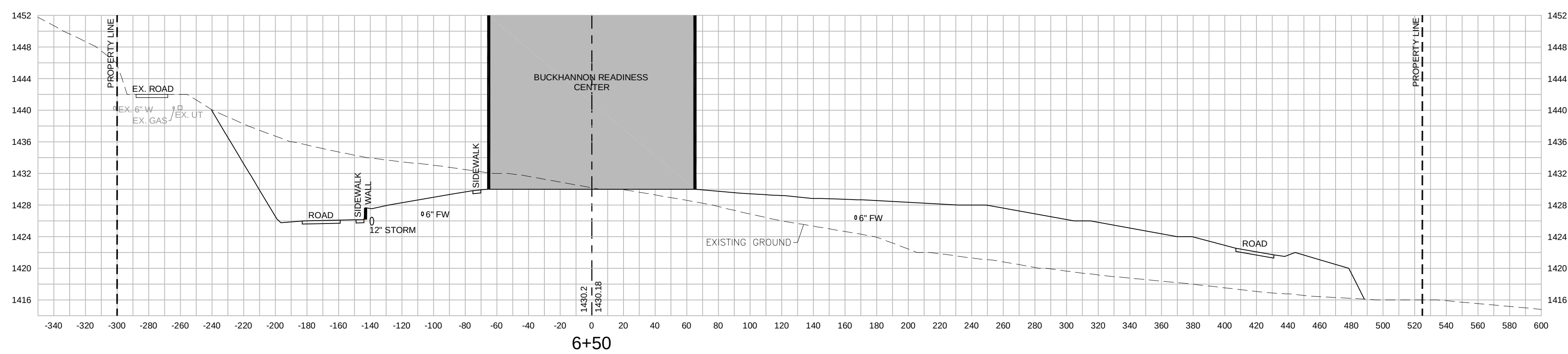
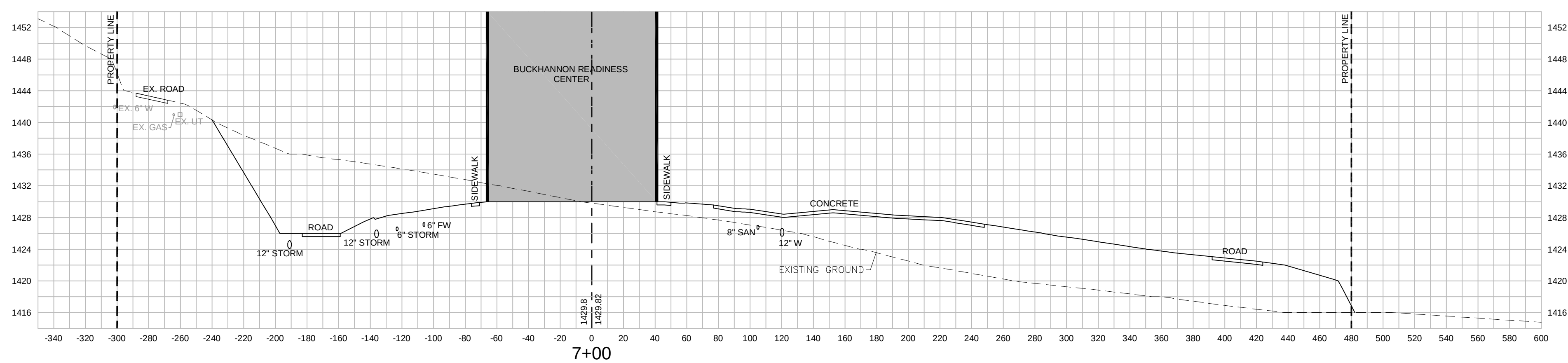
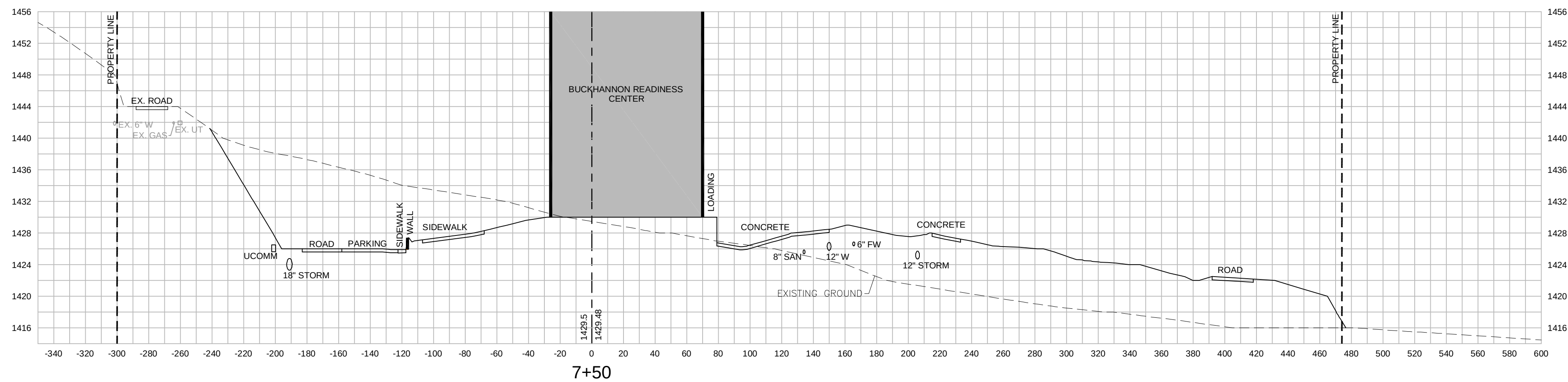
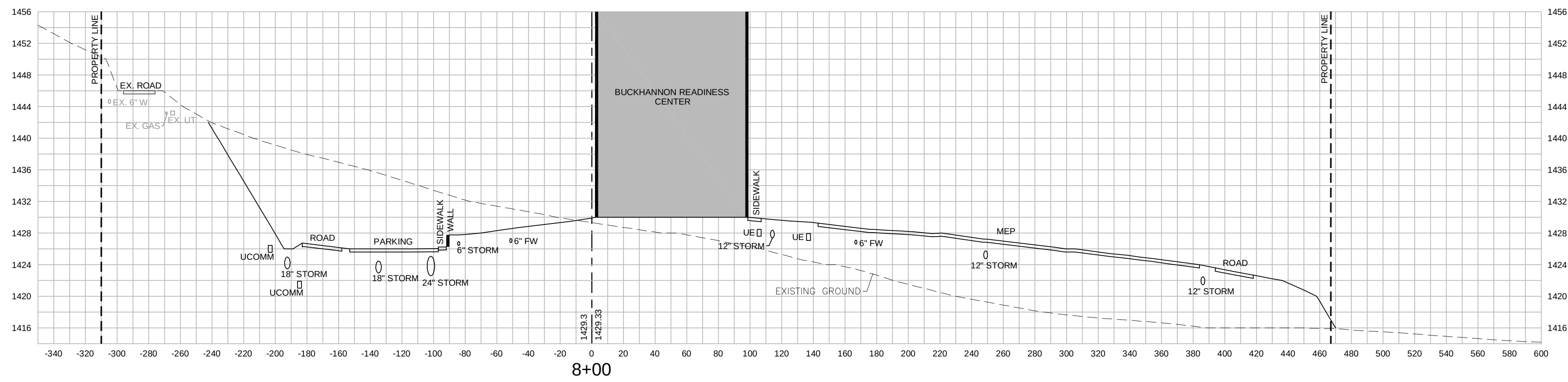
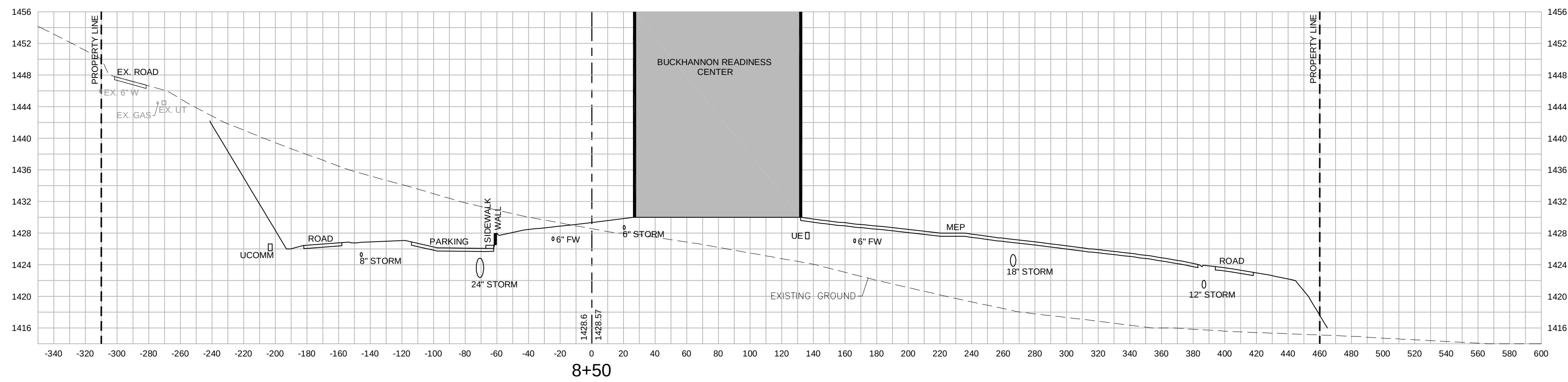
APPROVED DRAWING USE:

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- ☐ PROGRESS
- ☒ PERMIT ACQUISITION
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C1-4.5





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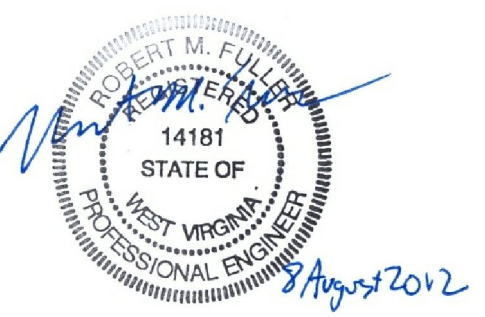
**SITE CROSS SECTIONS
9+00 - 11+00**

DRAWN BY: JMS	
PROJECT ISSUE DATE: 6 - 28 - 12	
SHEET ISSUE DATE: 6 - 28 - 12	
Drawing Revisions	
No.	Date
1	8-6-12
REVISED UNDERGROUND UTILITIES	

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-4.6

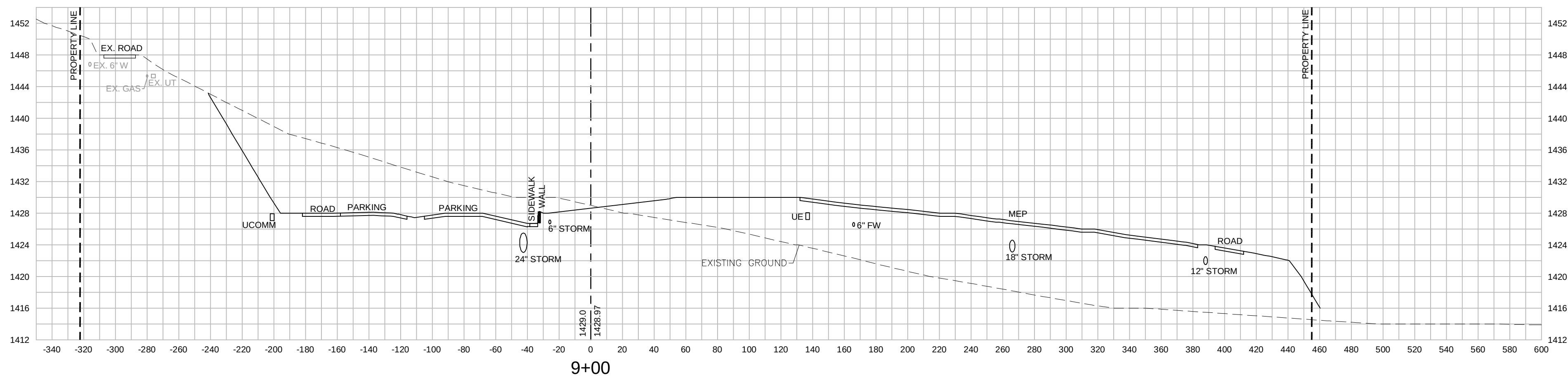
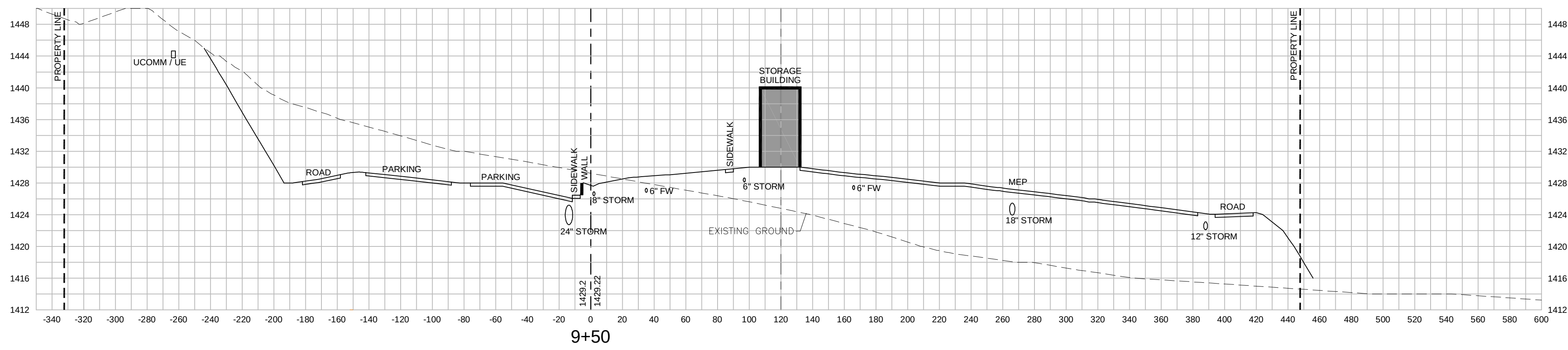
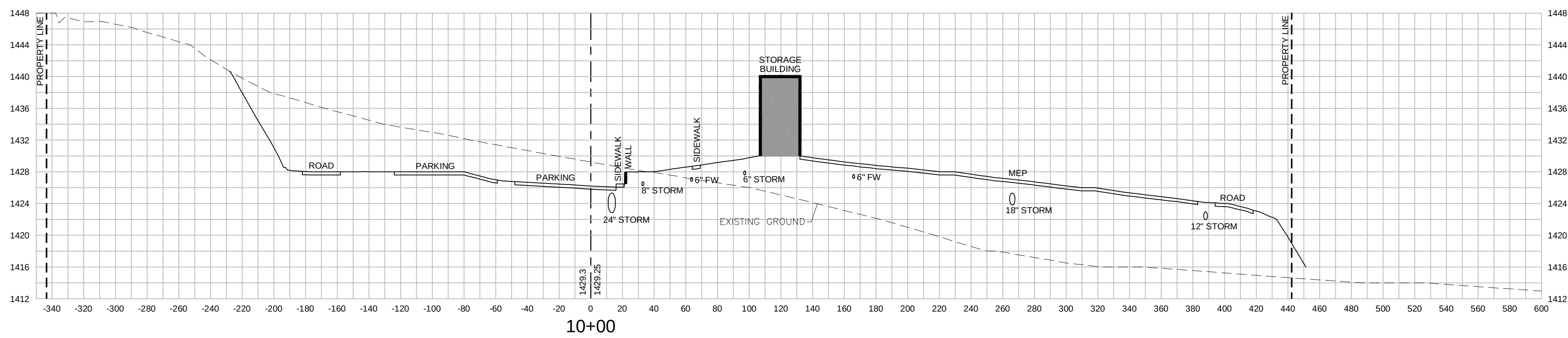
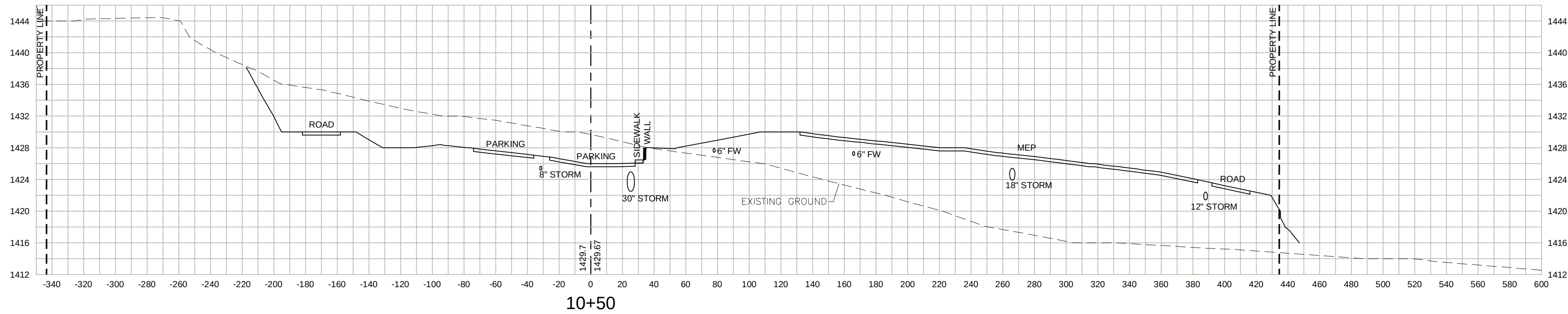
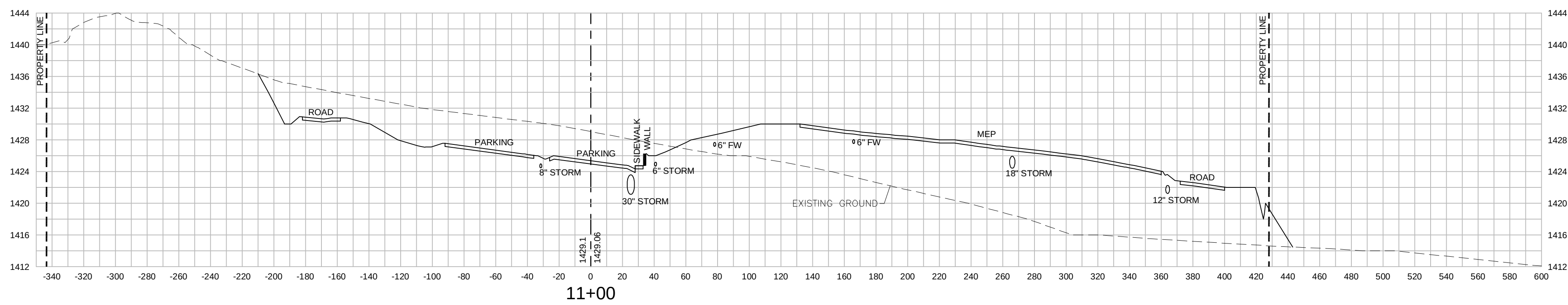
APPROVED DRAWING USE:

- ☐ DESIGN DEVELOPMENT
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- ☐ PERMIT ACQUISITION
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C1-4.6



1" = 10'
SCALE
VERTICAL
10
0
10
20
FEET

1" = 50'
SCALE
HORIZONTAL
50
0
50
100
FEET



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BUCKHANNON AFRC
BUCKHANNON, WV

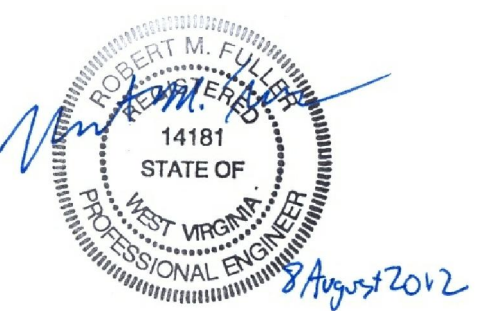
SITE CROSS SECTIONS
11+50 - 14+50

DRAWN BY: JMS	
PROJECT ISSUE DATE: 6 - 28 - 12	
SHEET ISSUE DATE: 6 - 28 - 12	
Drawing Revisions	
No.	Date
1	8-6-12 REVISED UNDERGROUND UTILITIES

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-4.7

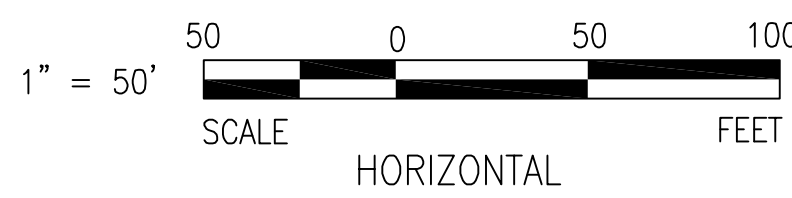
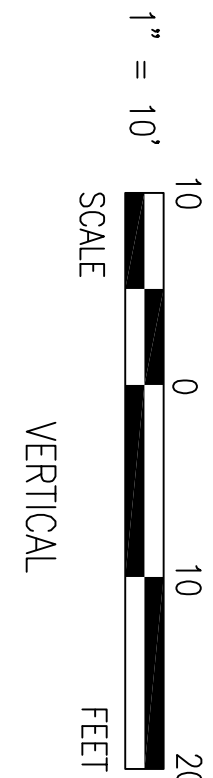
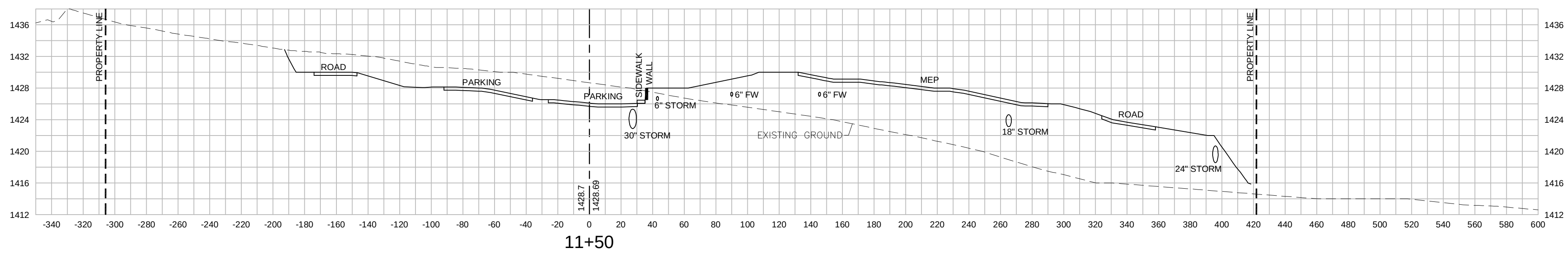
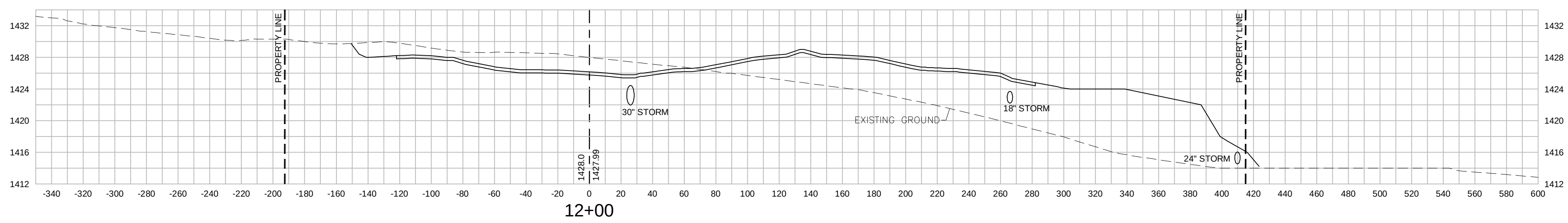
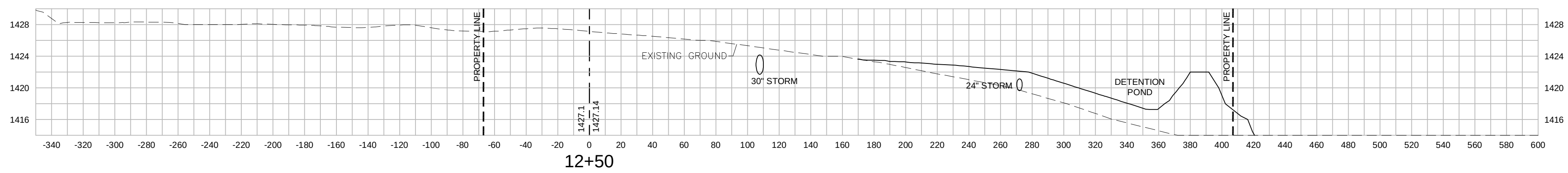
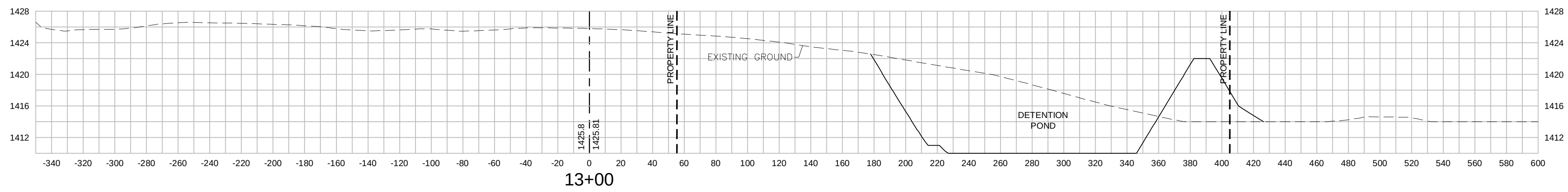
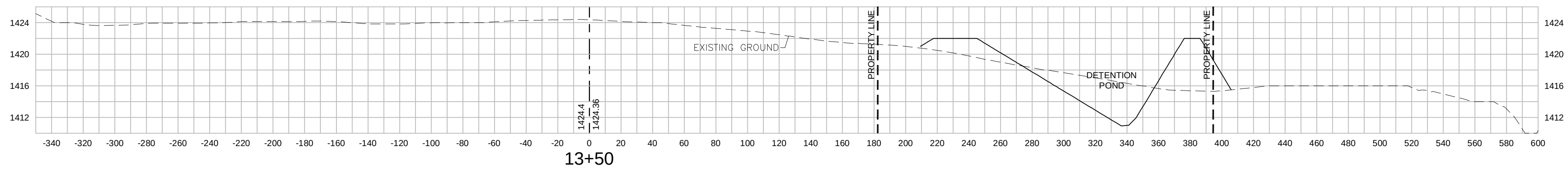
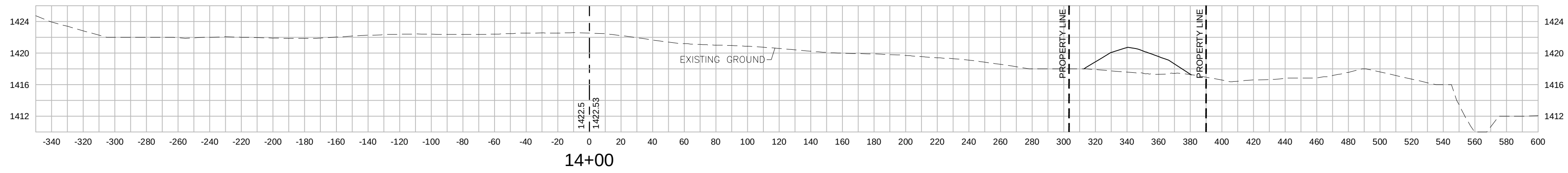
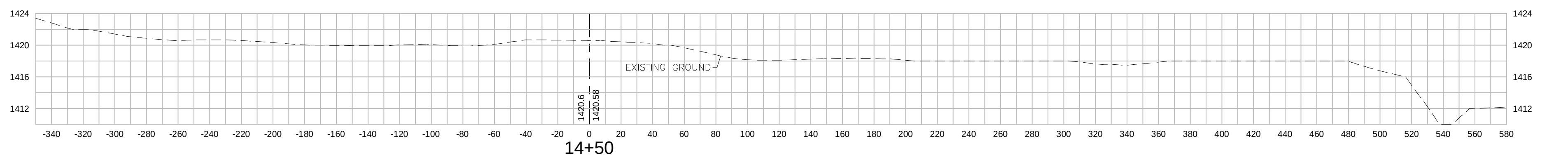
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SHEET
C1-4.7



MAPPING NOTES

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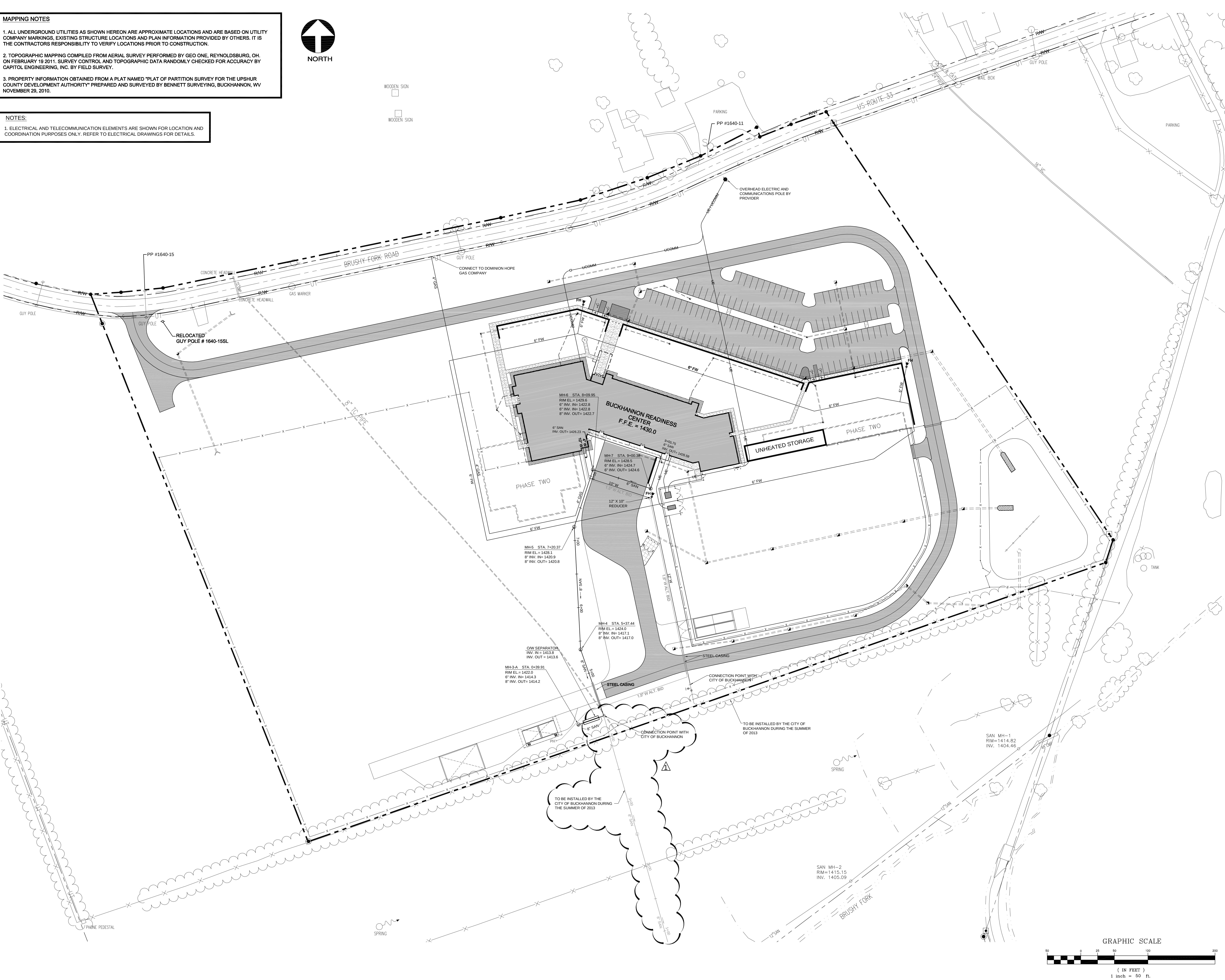
3. PROPERTY INFORMATION OBTAINED FROM A PLAT NAMED "PLAT OF PARTITION SURVEY FOR THE UPSHUR COUNTY DEVELOPMENT AUTHORITY" PREPARED AND SURVEYED BY BENNETT SURVEYING, BUCKHANNON, WV NOVEMBER 29, 2010.

NOTES:

1. ELECTRICAL AND TELECOMMUNICATION ELEMENTS ARE SHOWN FOR LOCATION AND COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.



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WOODEN SIGN



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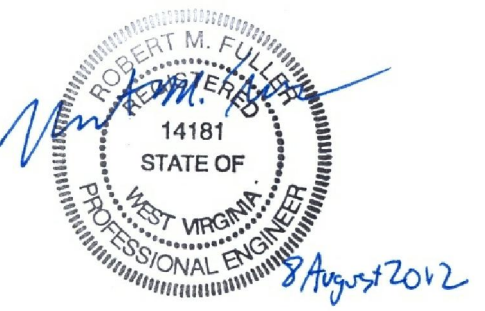
UTILITY PLAN

DRAWN BY: JMS	
PROJECT ISSUE DATE: 6 - 28 - 12	
SHEET ISSUE DATE: 6 - 28 - 12	
Drawing Revisions	
No.	Date
1	8-6-12 REVISED SANITARY FROM MH-1 MH-3

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-6

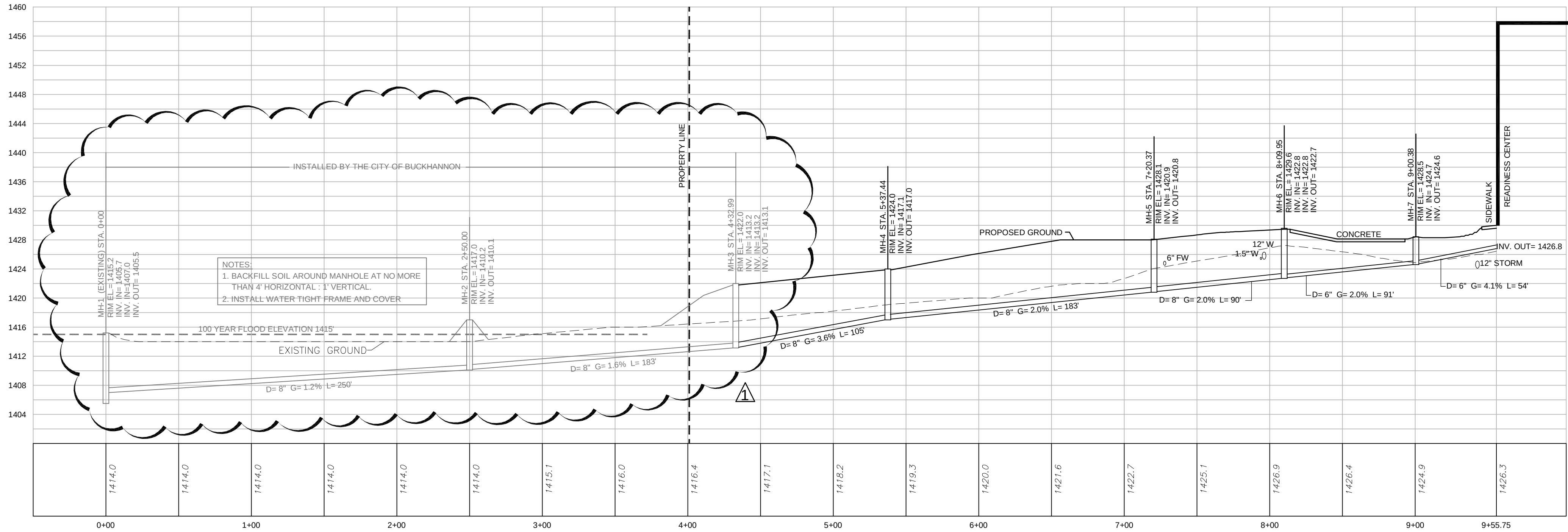
APPROVED DRAWING USE:

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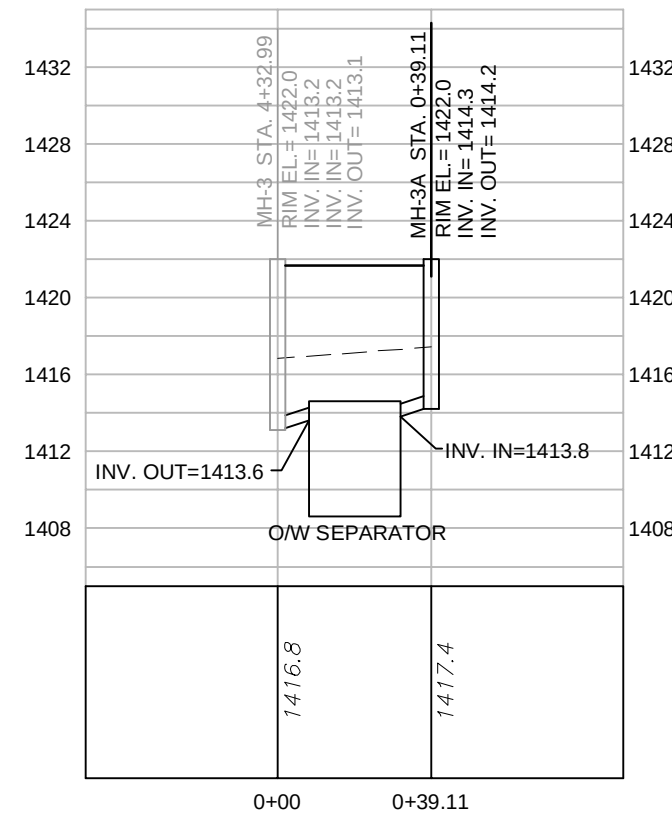


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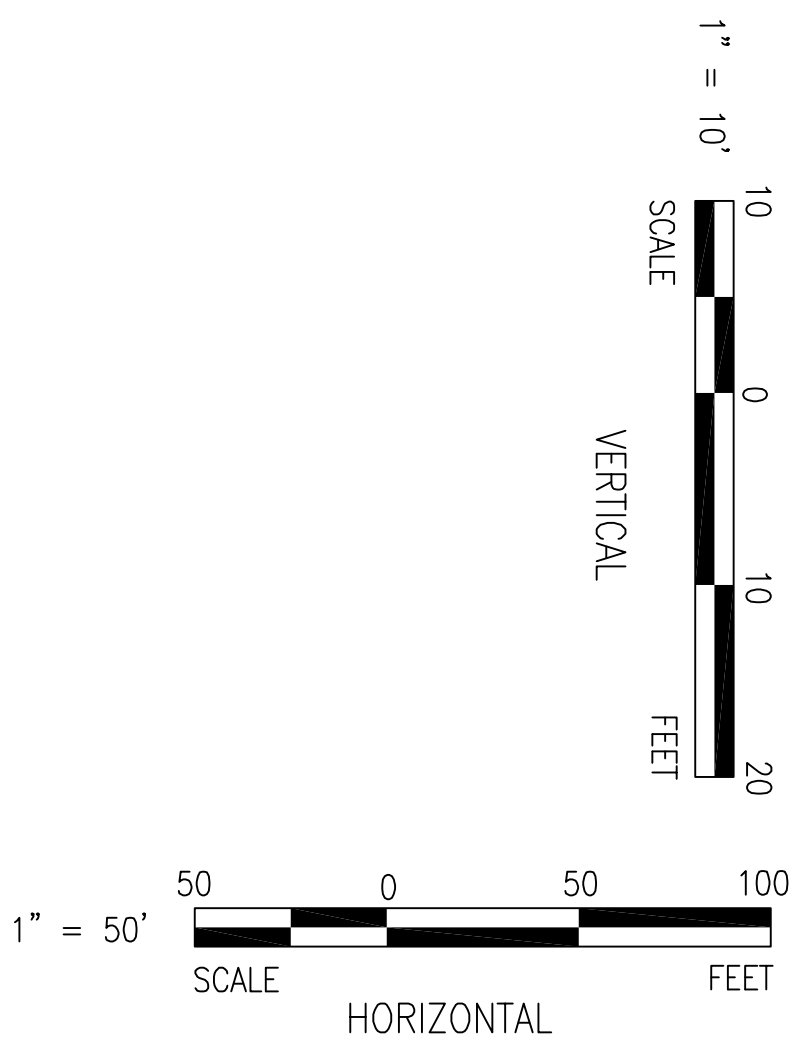
SHEET NO.
C1-6



SANITARY LINE 1



SANITARY LINE 1A

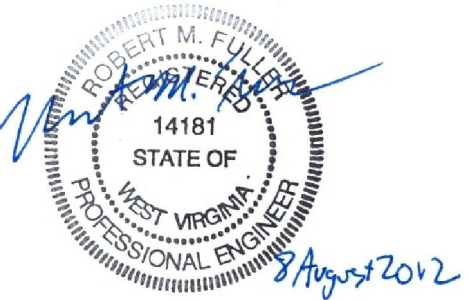


DRAWN BY: JMS
PROJECT ISSUE DATE: 6-28-12
SHEET ISSUE DATE: 6-28-12

Drawing Revisions	
No.	Date
1	8-6-12 REVISED PROFILE

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-6.1

- APPROVED DRAWING USE:
- ☐ DESIGN DEVELOPMENT
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LEGEND

1

STABILIZED CONSTRUCTION ENTRANCE

2

OUTLET PROTECTION

3

TEMPORARY DIVERSION

4

INLET PROTECTION

5

SILT FENCE

6

ROCK CHECK DAM WITH SUMP

7

TYPE 4 DITCH

8

FLOATING BAFFLE

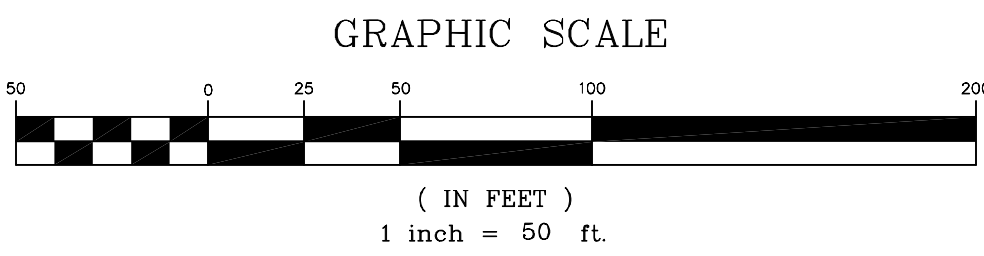
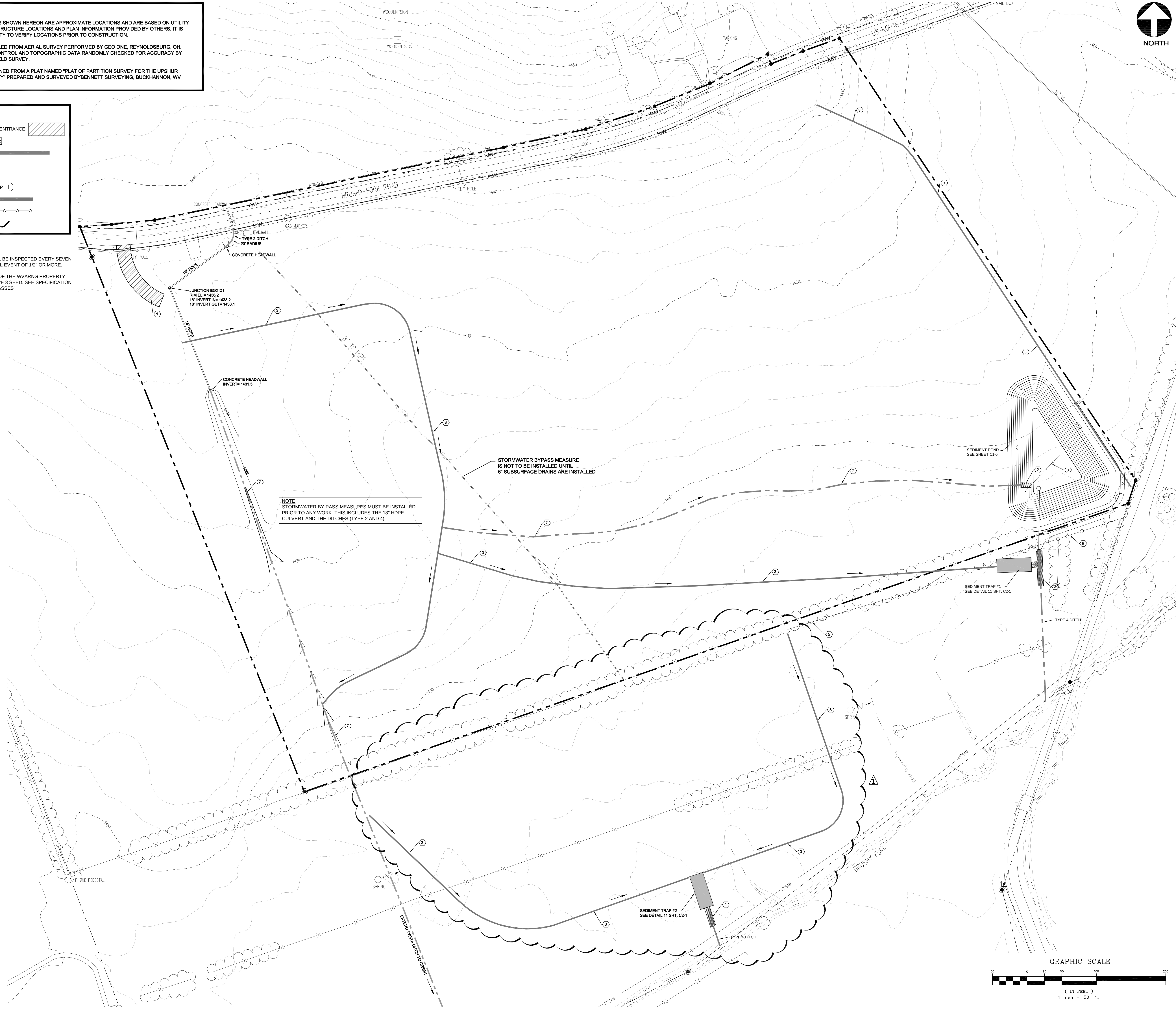
9

WATTLES

NOTES:

1. SEDIMENT CONTROL BMP'S SHALL BE INSPECTED EVERY SEVEN DAYS AND AFTER EVERY RAINFALL EVENT OF 1/2" OR MORE.

2. ALL DISTURBED AREAS OUTSIDE OF THE WVARNG PROPERTY WILL BE REVEGETATED WITH TYPE 3 SEED. SEE SPECIFICATION SECTION 329200 "TURFS AND GRASSES"



NORTH

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ARMY NATIONAL GUARD

WVARNG

BUCKHANNON AFRC

BUCKHANNON, WV

INITIAL EROSION AND

SEDIMENT CONTROL PLAN

DRAWN BY: JMS
PROJECT ISSUE DATE: 6 - 28 - 12
SHEET ISSUE DATE: 6 - 28 - 12

No.	Drawing Revisions	Date
1	8-6-12 ADDED SEDIMENT TRAP #2 AND ASSOCIATED DIVERSIONS	8/6/2012

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-7

APPROVED DRAWING USE:

- DESIGN DEVELOPMENT
- PROGRESS
- PERMIT ACQUISITION
- FOR BIDDING
- CONSTRUCTION DOCUMENT

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SHEET NO.

C1-7

MAPPING NOTES

1. ALL UNDERGROUND UTILITIES AS SHOWN HEREON ARE APPROXIMATE LOCATIONS AND ARE BASED ON UTILITY COMPANY MARKINGS, EXISTING STRUCTURE LOCATIONS AND PLAN INFORMATION PROVIDED BY OTHERS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY LOCATIONS PRIOR TO CONSTRUCTION.

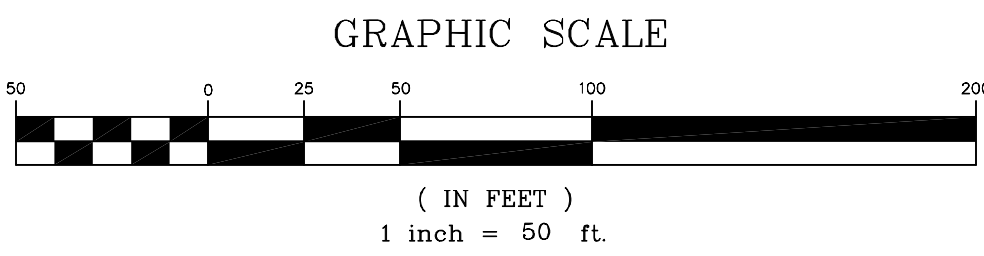
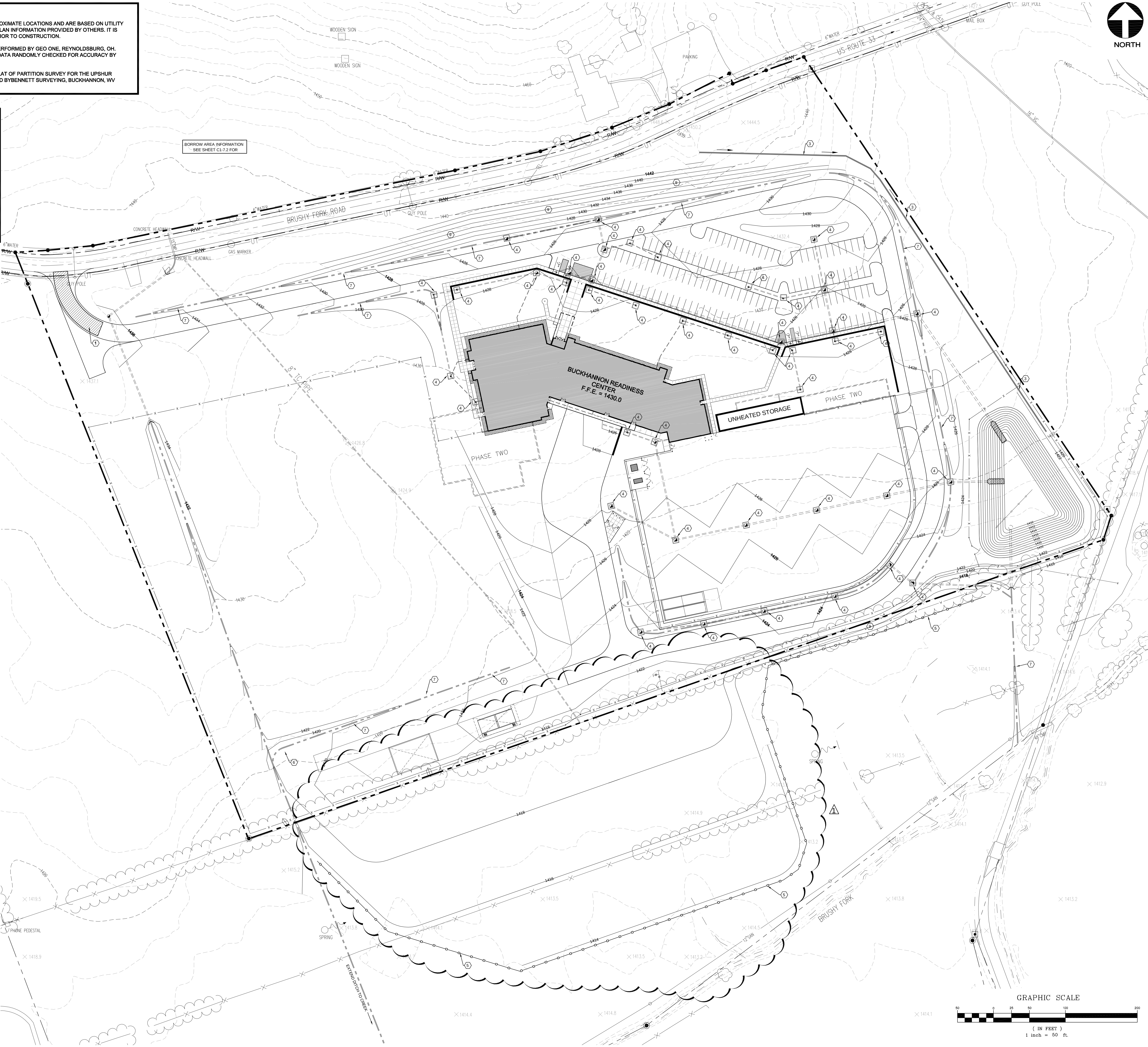
2. TOPOGRAPHIC MAPPING COMPILED FROM AERIAL SURVEY PERFORMED BY GEO ONE, REYNOLDSBURG, OH, ON FEBRUARY 19 2011. SURVEY CONTROL AND TOPOGRAPHIC DATA RANDOMLY CHECKED FOR ACCURACY BY CAPITOL ENGINEERING, INC. BY FIELD SURVEY.

3. PROPERTY INFORMATION OBTAINED FROM A PLAT NAMED "PLAT OF PARTITION SURVEY FOR THE UPSHUR COUNTY DEVELOPMENT AUTHORITY" PREPARED AND SURVEYED BY BENNETT SURVEYING, BUCKHANNON, WV NOVEMBER 29, 2010.

LEGEND

1	STABILIZED CONSTRUCTION ENTRANCE	
2	OUTLET PROTECTION	
3	TEMPORARY DIVERSION	
4	INLET PROTECTION	
5	SILT FENCE	
6	ROCK CHECK DAM WITH SUMP	
7	TYPE 4 DITCH	
8	FLOATING BAFFLE	
9	EROSION CONTROL MATTING	

NOTE: SEDIMENT CONTROL BMP'S SHALL BE INSPECTED EVERY SEVEN DAYS AND AFTER EVERY RAINFALL EVENT OF 1/2" OR MORE.



WVARNG

BUCKHANNON AFRC

BUCKHANNON, WV

EROSION AND SEDIMENT CONTROL PLAN

DRAWN BY: JMS
PROJECT ISSUE DATE: 6 - 28 - 12
SHEET ISSUE DATE: 6-28-12

Drawing Revisions	
No.	Date
1	8-6-12 ADDED EXCESS FILL AREA E & S CONTROL

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-7.1

APPROVED DRAWING USE:

- ☐ DESIGN DEVELOPMENT
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SHEET NO.

C1-7.1

MAPPING NOTES

1. ALL UNDERGROUND UTILITIES AS SHOWN HEREON ARE APPROXIMATE LOCATIONS AND ARE BASED ON UTILITY COMPANY MARKINGS. EXISTING STRUCTURE LOCATIONS AND PLAN INFORMATION PROVIDED BY OTHERS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY LOCATIONS PRIOR TO CONSTRUCTION.

2. TOPOGRAPHIC MAPPING COMPILED FROM AERIAL SURVEY PERFORMED BY GEO ONE, REYNOLDSBURG, OH, ON FEBRUARY 19 2011. SURVEY CONTROL AND TOPOGRAPHIC DATA RANDOMLY CHECKED FOR ACCURACY BY CAPITOL ENGINEERING, INC. BY FIELD SURVEY.

3. PROPERTY INFORMATION OBTAINED FROM A PLAT NAMED "PLAT OF PARTITION SURVEY FOR THE UPSHUR COUNTY DEVELOPMENT AUTHORITY" PREPARED AND SURVEYED BY BENNETT SURVEYING, BUCKHANNON, WV NOVEMBER 29, 2010.

LEGEND

1 STABILIZED CONSTRUCTION ENTRANCE

2 OUTLET PROTECTION

3 TEMPORARY DIVERSION

4 INLET PROTECTION

5 SILT FENCE

6 ROCK CHECK DAM WITH SUMP

7 TYPE 4 DITCH

8 FLOATING BAFFLE

9 ALL SLOPES STEEPER THAN 4H TO 1V SHALL BE COVERED WITH EROSION CONTROL MATTING IMMEDIATELY AFTER SEEDING.

NOTES:

1. SEDIMENT CONTROL BMP'S SHALL BE INSPECTED EVERY SEVEN DAYS AND AFTER EVERY RAINFALL EVENT OF 1/2" OR MORE.

2. BORROW AREA EXCAVATION SHALL PROCEED FROM SOUTH TO NORTH AND FROM EAST TO WEST REGARDLESS OF THE MATERIALS ENCOUNTERED.

3. BORROW AREA SHALL BE REVEGETATED WITH TYPE 3 SEED MIX. SEE SPECIFICATION SECTION 329200 "TURF AND GRASSES"



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WVARNG
BUCKHANNON AFRC

BUCKHANNON, WV

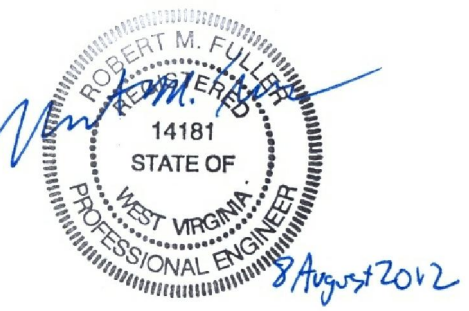
**BORROW AREA
EROSION AND SEDIMENT
CONTROL PLAN**

DRAWN BY: JMS
PROJECT ISSUE DATE: 6 - 28 - 12
SHEET ISSUE DATE: 6 - 06 - 12

No.	Drawing Revisions	Date

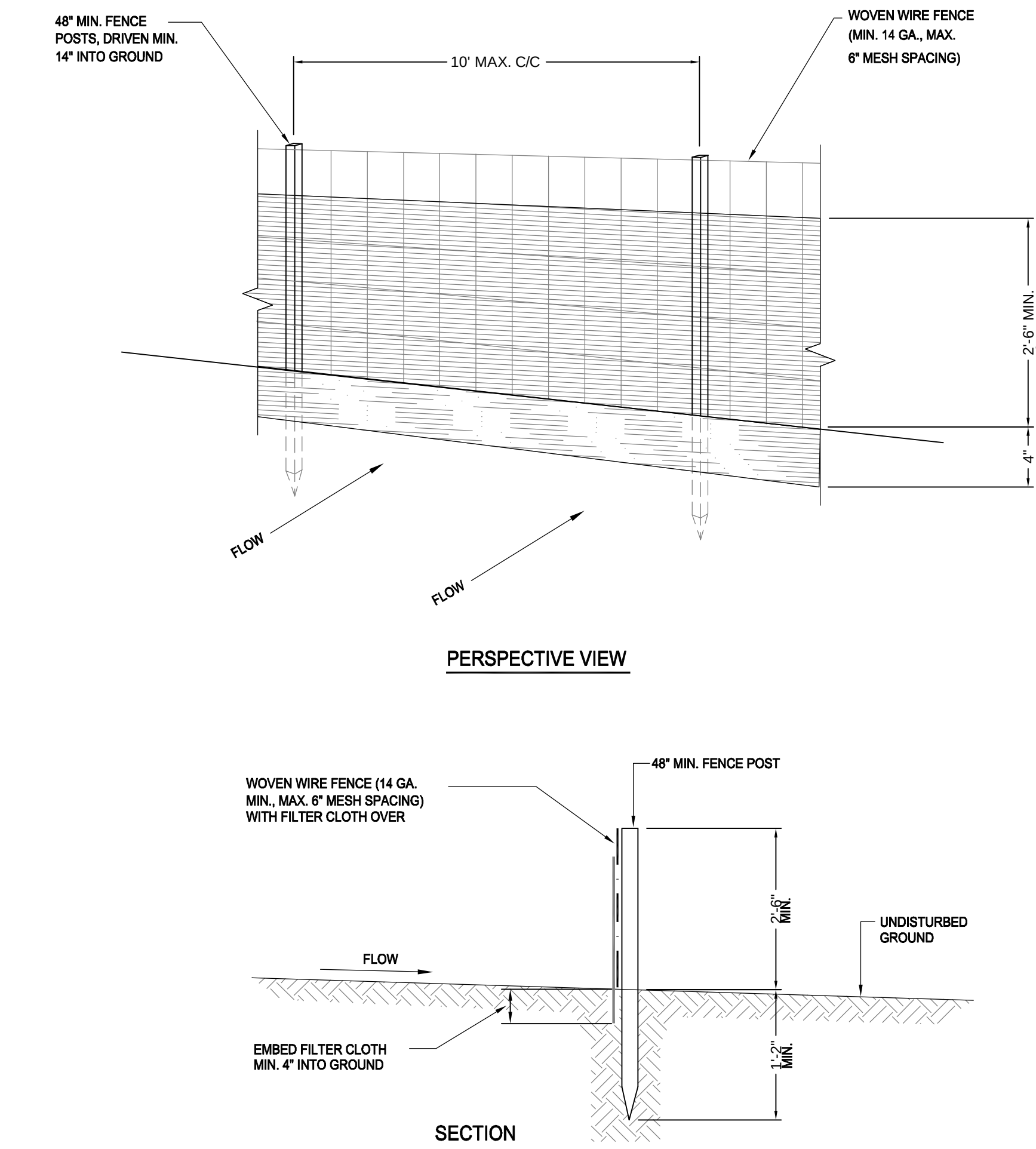
ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C1-7.2

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SHEET NO.
C1-7.2



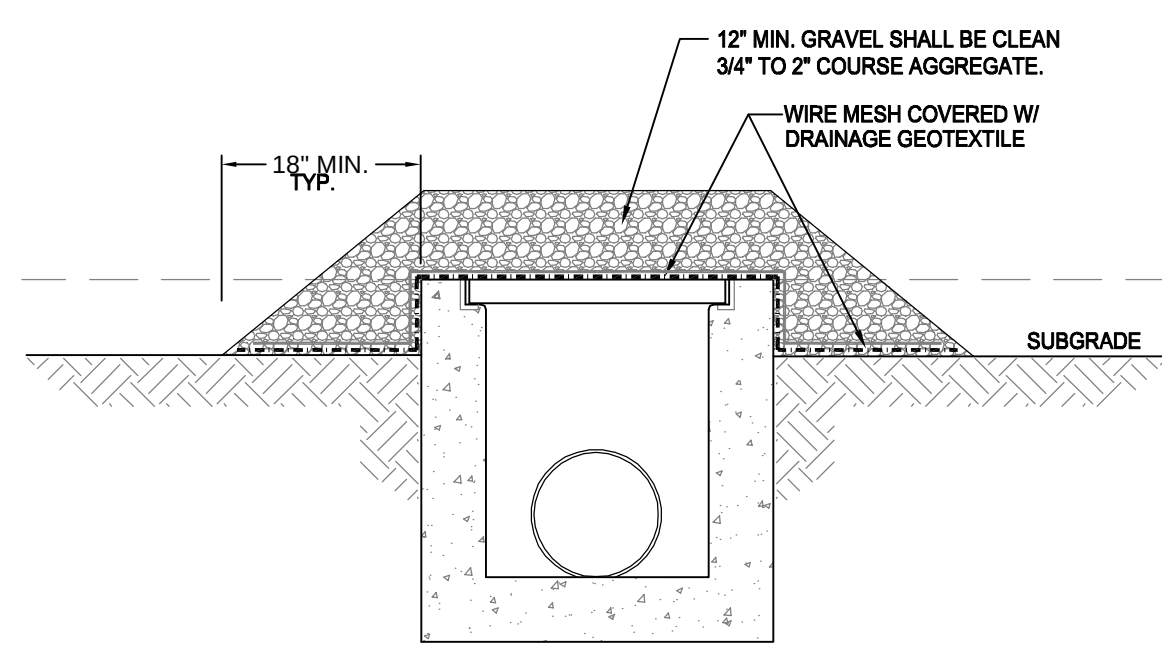
NOTES:

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE. CHECK AFTER EACH STORM AND REMOVE SEDIMENT.
- POSTS SHALL BE CONSTRUCTED OF STEEL EITHER "1" OR "1 1/2" TYPE OR 2" HARDWOOD.
- FILTER CLOTH SHALL BE "FILTER X", "MIRAFI 100X", "LINKA T140N", "EXOON GTT 180" OR APPROVED EQUAL.
- WIRE MESH IS NOT REQUIRED FOR PREFABRICATED FENCING WHICH INCLUDES AN INTERVAL REINFORCING MESH.

MAINTENANCE NOTES:

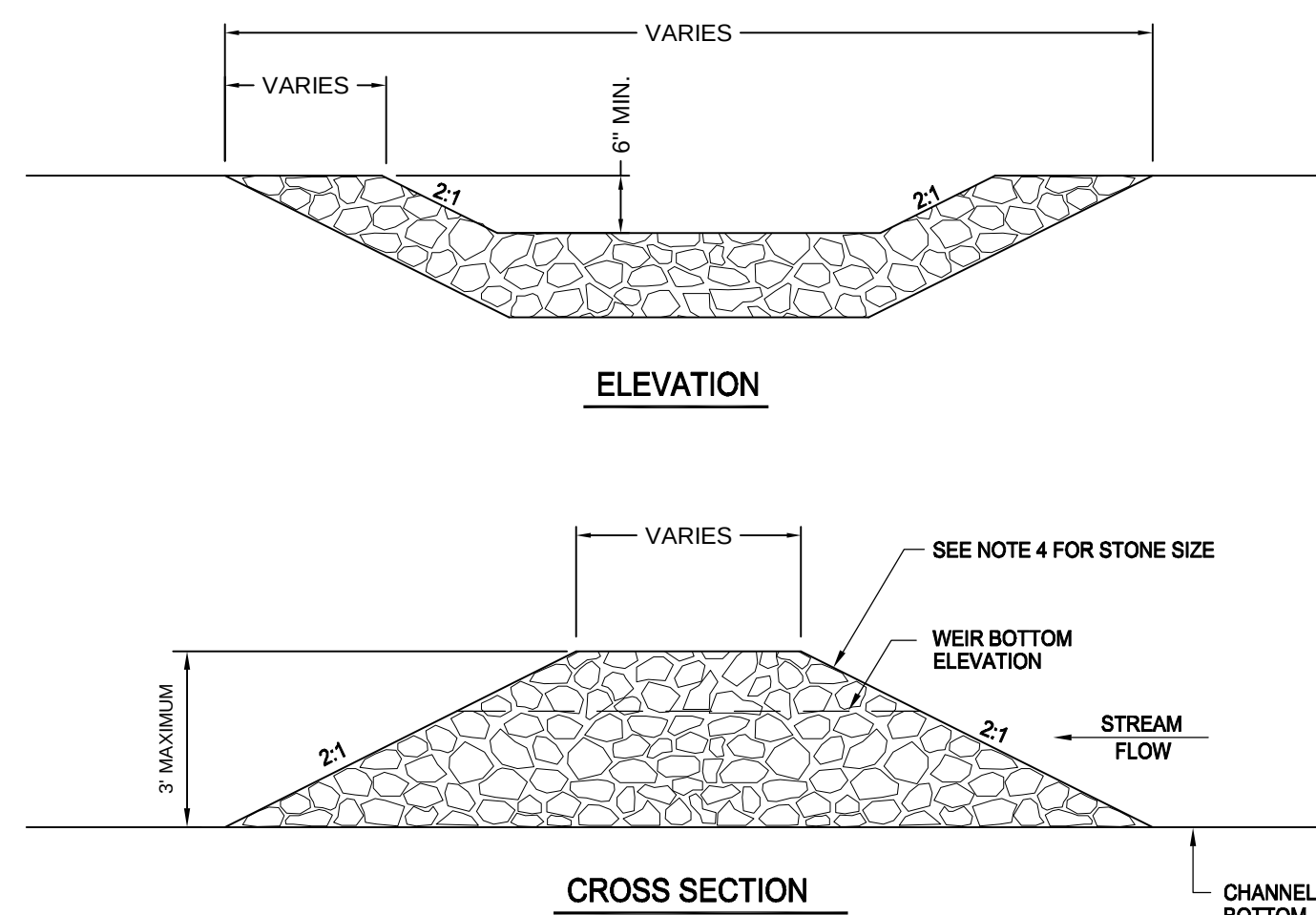
- SILT FENCE SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL OF GREATER THAN 0.5" AND AT LEAST DAILY DURING PROLONGED RAINFALL OR ONCE A WEEK. ANY REQUIRED REPAIRS OR MAINTENANCE SHALL BE MADE IMMEDIATELY.
- CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE RESULTING FROM END RUNS AND UNDERCUTTING. IF THE FENCE IS NOT INSTALLED ON THE CONTOUR (PERPENDICULAR TO THE FLOW OF THE WATER) BOTH OF THESE CONDITIONS CAN OCCUR.
- SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY 1/2 THE HEIGHT OF THE BARRIER.
- IF ANY SECTION OF SILT FENCE IS KNOCKED DOWN DURING A RAIN EVENT (BECAUSE IT WAS INSTALLED IN AN AREA OF CONCENTRATED FLOW) THEN OTHER MEASURES SUCH AS A SEDIMENT TRAP AND DIVERSION OR SUPER SILT FENCE MUST BE INSTALLED.

1 SILT FENCE DETAIL
C2-1 NO SCALE



MAINTENANCE NOTES:

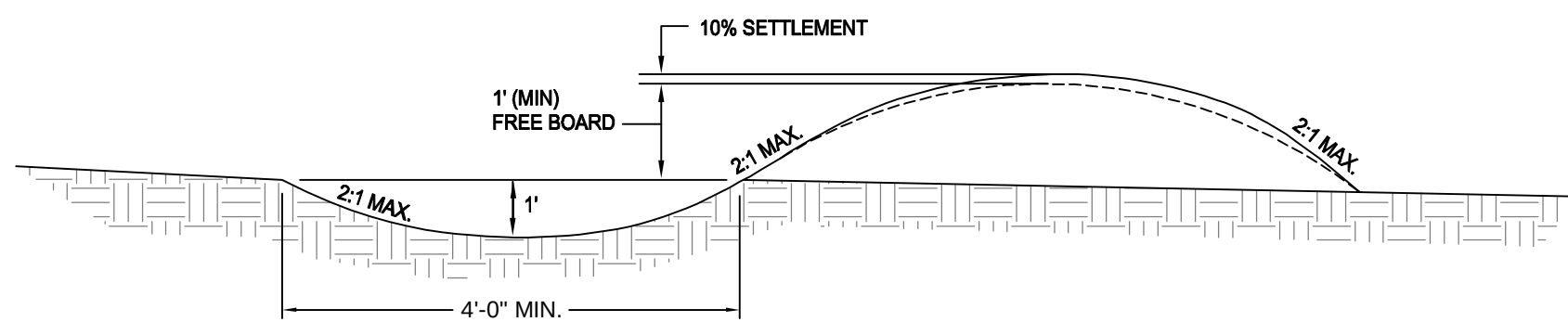
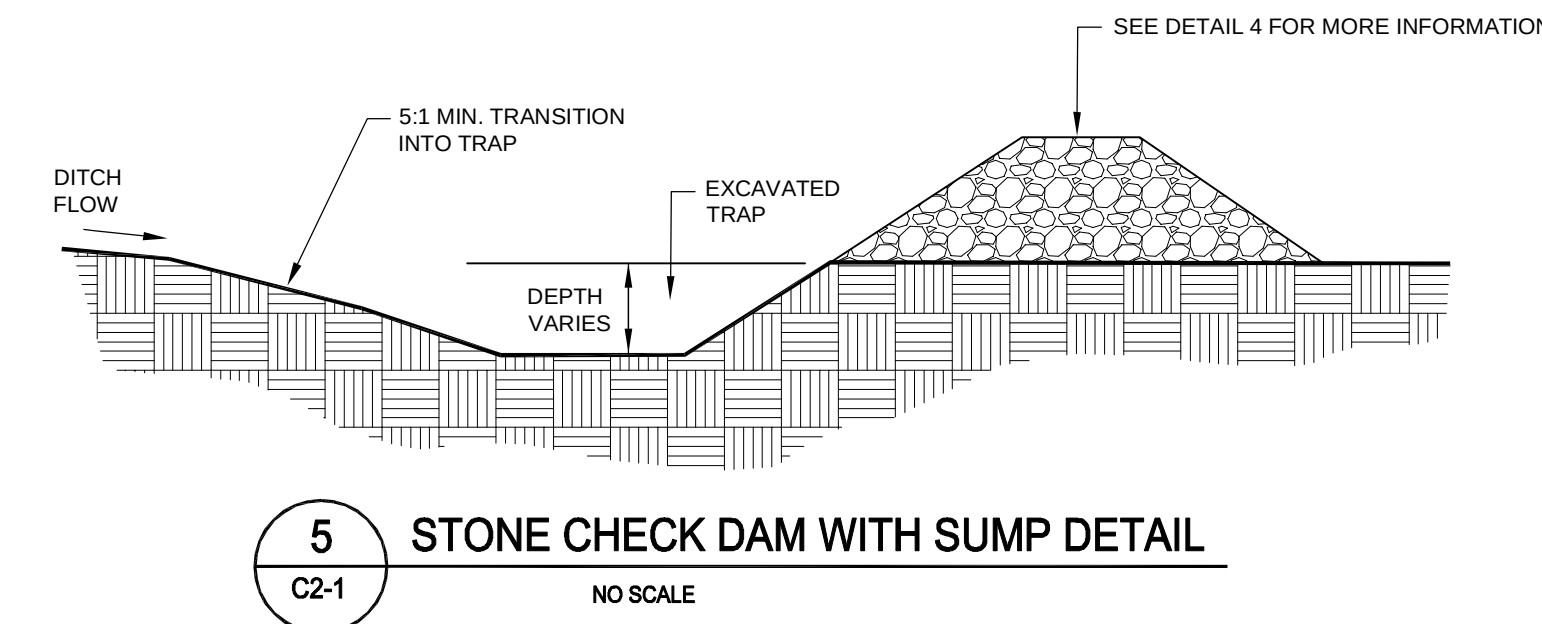
- INSPECT AFTER EACH 1/2" OF RAINFALL AND AT LEAST ONCE A WEEK AND REPAIRS MADE AS NEEDED.
- SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN DEPTH OF THE TRAP.
- INLET PROTECTION SHOULD REMAIN IN PLACE AND OPERATIONAL UNTIL THE DRAINAGE AREA IS COMPLETELY STABILIZED.



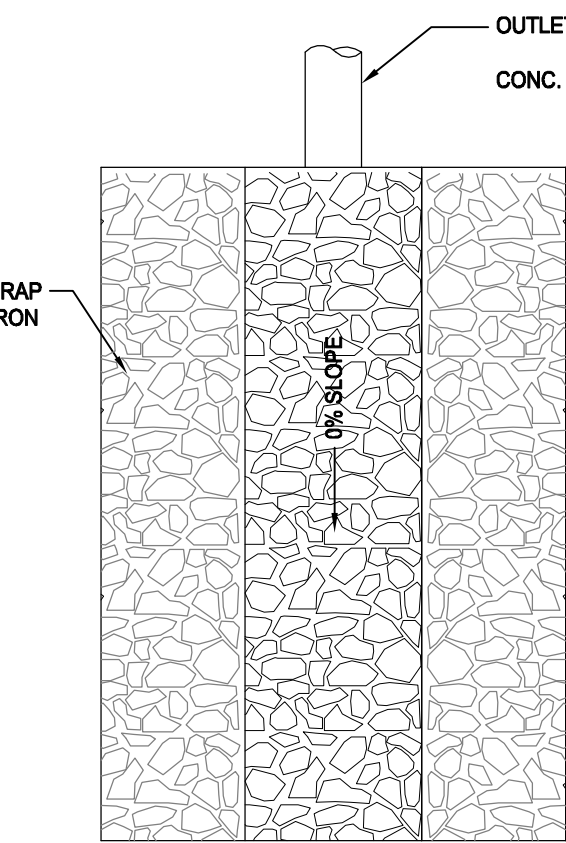
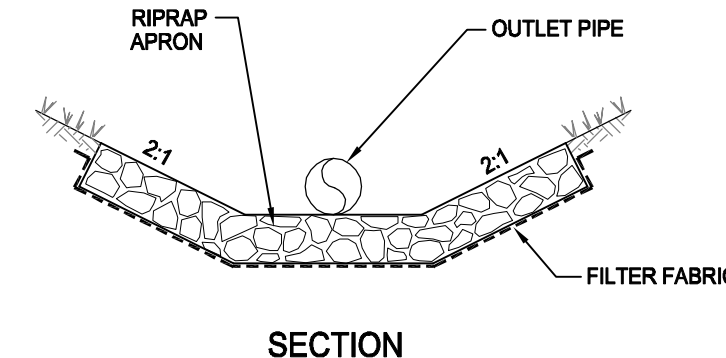
4 STONE CHECK DAM DETAIL
C2-1 NO SCALE

STONE CHECK DAM WITH OR WITHOUT SUMP MAINTENANCE REQUIREMENTS

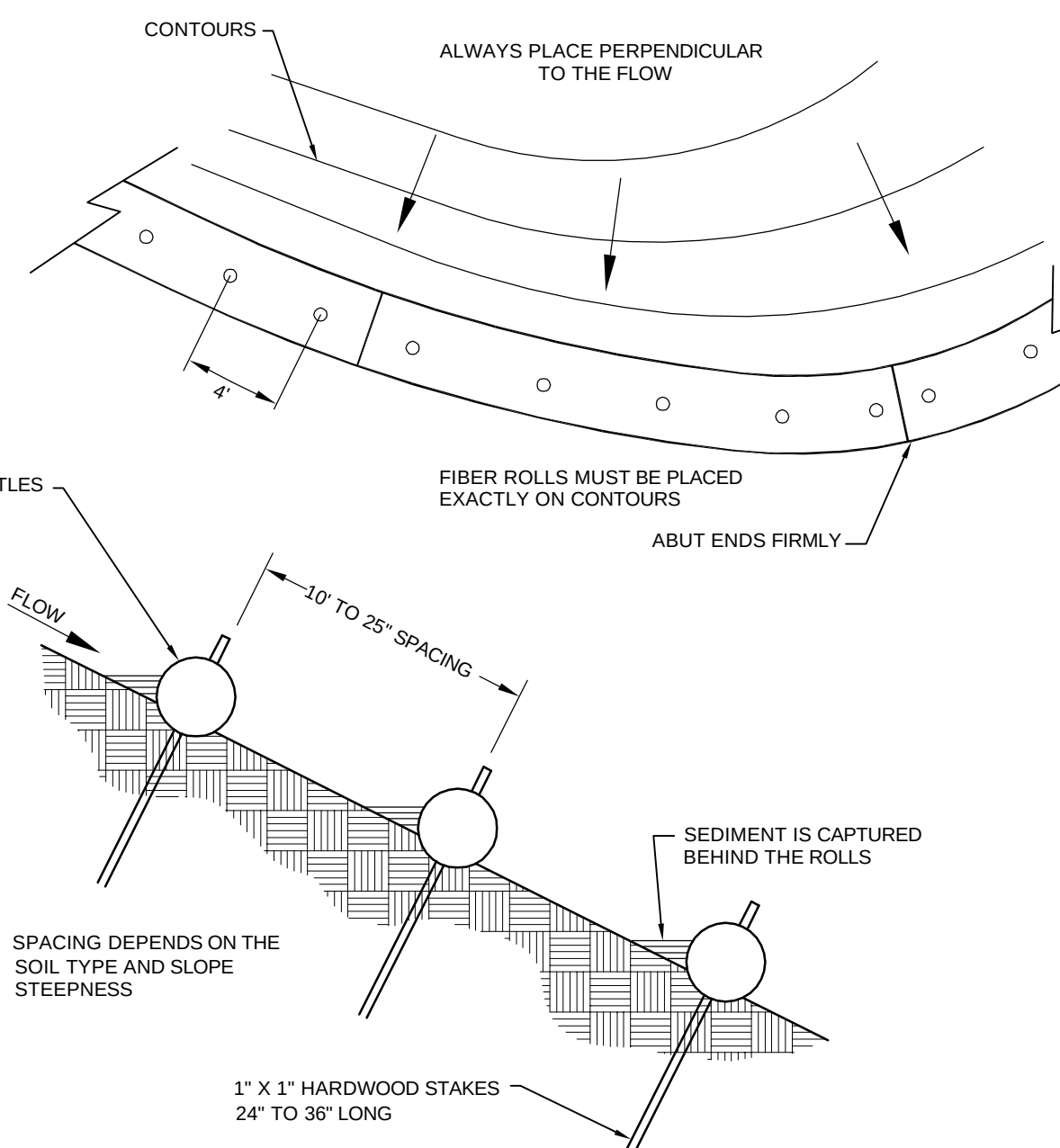
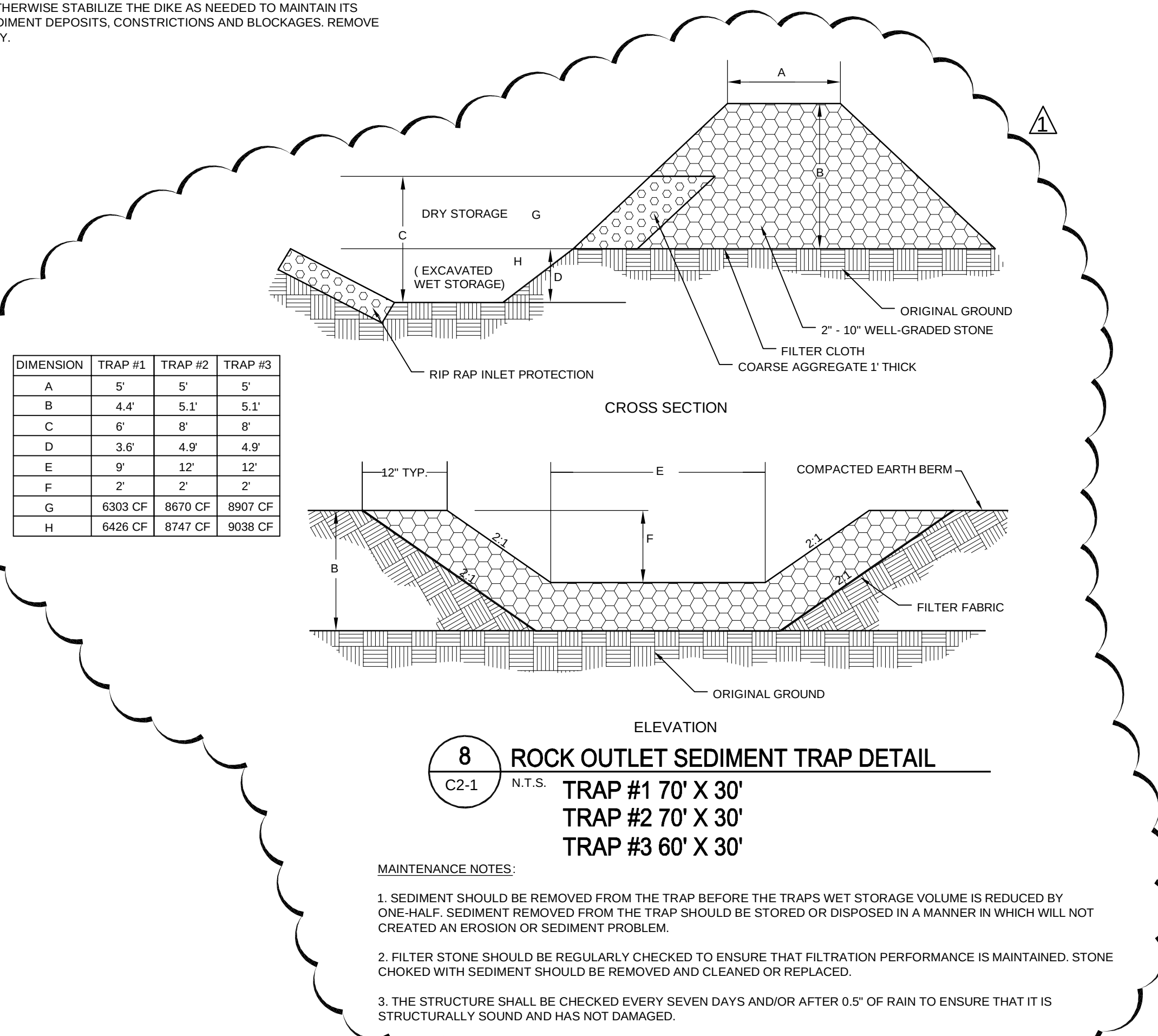
- INSPECT EACH CHECK DAM AT A MINIMUM ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5" OF RAIN PER 24 HOUR PERIOD. CHECK TO SEE IF WATER HAS FLOWED AROUND THE EDGES OF THE STRUCTURE.
- REPLACE STONE AND REPAIR DAMS AS NECESSARY TO MAINTAIN CORRECT HEIGHT AND CONFIGURATION.
- SEDIMENT SHOULD BE REMOVED FROM BEHIND THE CHECK DAMS WHEN IT HAS ACCUMULATED TO ONE HALF OF THE ORIGINAL HEIGHT OF THE DAM. DISPOSE OF THE SEDIMENT IN AN APPROPRIATE PLACE.
- DRAINAGE AREA OF 2 ACRES OR LESS USE AASHTO #1 STONE. FOR DRAINAGE AREAS OF OVER 2 ACRES USE CLASS 1 RIPRAP.



MAINTENANCE NOTES: INSPECT AFTER EVERY STORM OF 0.5" AND REPAIRS MADE AS NECESSARY. AT LEAST ONCE A WEEK, THE MEASURE SHALL BE INSPECTED AND REPAIRS MADE IMMEDIATELY. INSPECT DIKE, FLOW CHANNEL AND OUTLET FOR DEFICIENCIES OR SIGNS OF EROSION. RESEED OR OTHERWISE STABILIZE THE DIKE AS NEEDED TO MAINTAIN ITS STABILITY. INSPECT FOR SEDIMENT DEPOSITS, CONSTRUCTIONS AND BLOCKAGES. REMOVE ANY BLOCKAGE IMMEDIATELY.

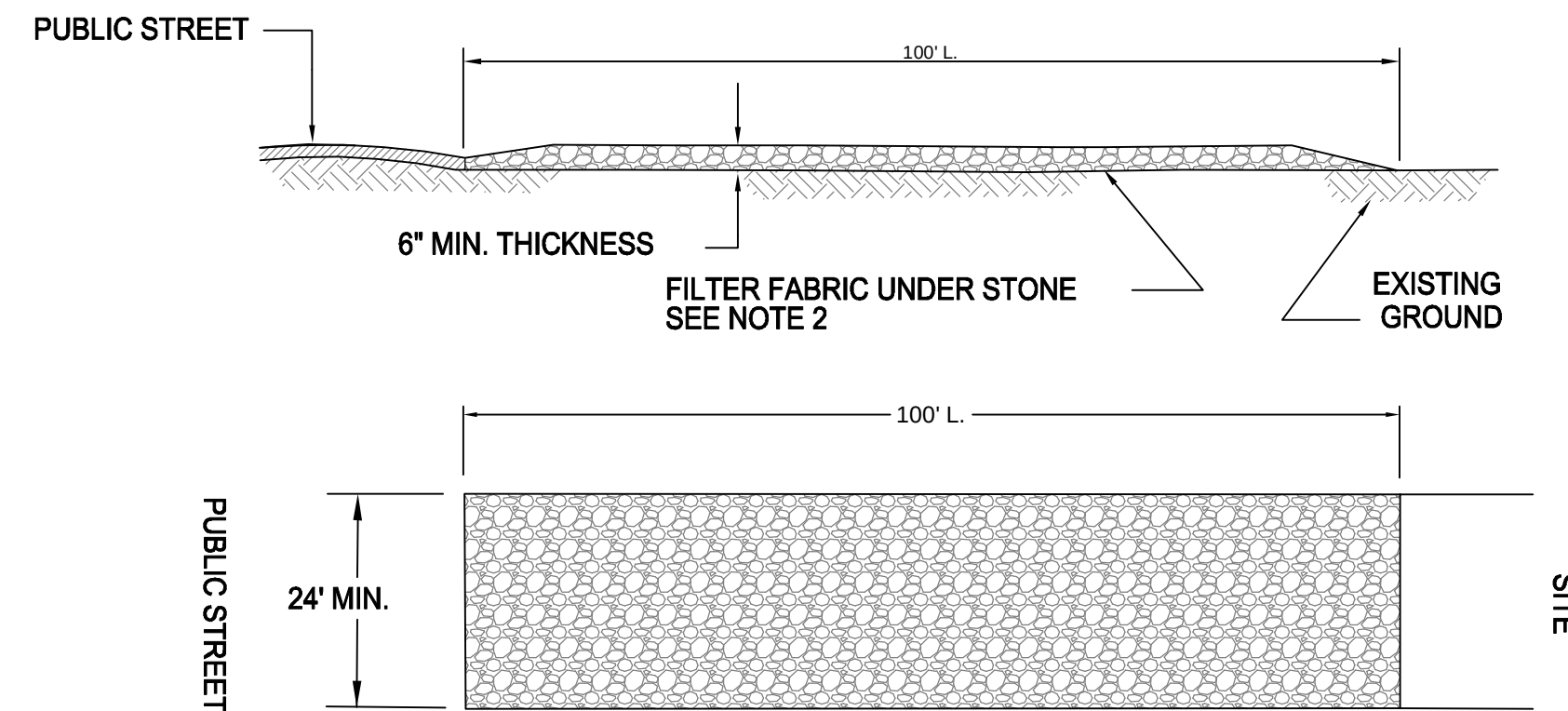


7 OUTLET PROTECTION DETAIL
C2-1 NO SCALE



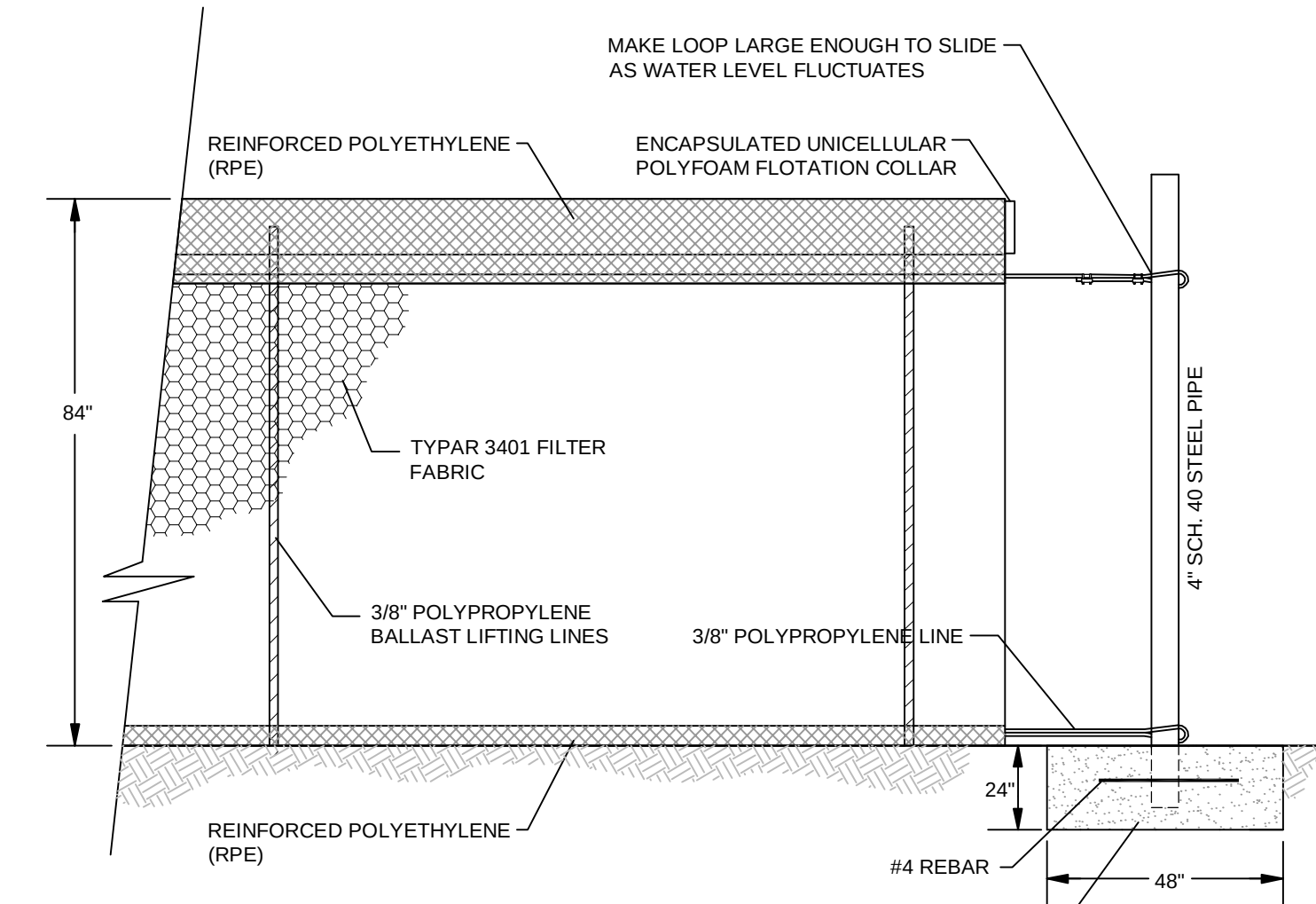
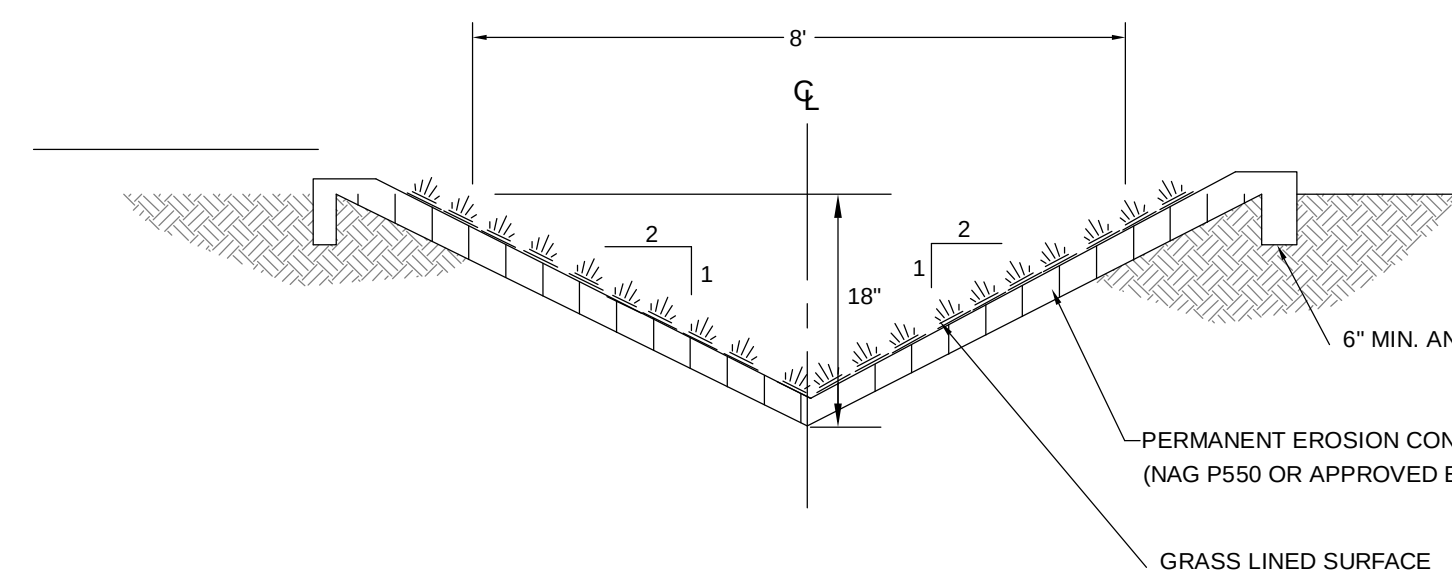
MAINTENANCE NOTES:

- INSPECT WATTLES AT LEAST ONCE A WEEK AND AFTER EACH RAIN EVENT GREATER THAN 0.5".
- REPAIR OR REPLACE SPLIT, TORN, RAVELING, OR SLUMPING WATTLES.
- REMOVE SEDIMENT ACCUMULATIONS WHEN EXCEEDING 1/2 THE HEIGHT BETWEEN THE TOP OF THE WATTLE AND THE GROUND SURFACE.
- REPAIR ANY RILLS OR GULLIES PROMPTLY. RESEED OR REPLANT VEGETATION IF NECESSARY UNTIL THE SLOPE IS STABILIZED.



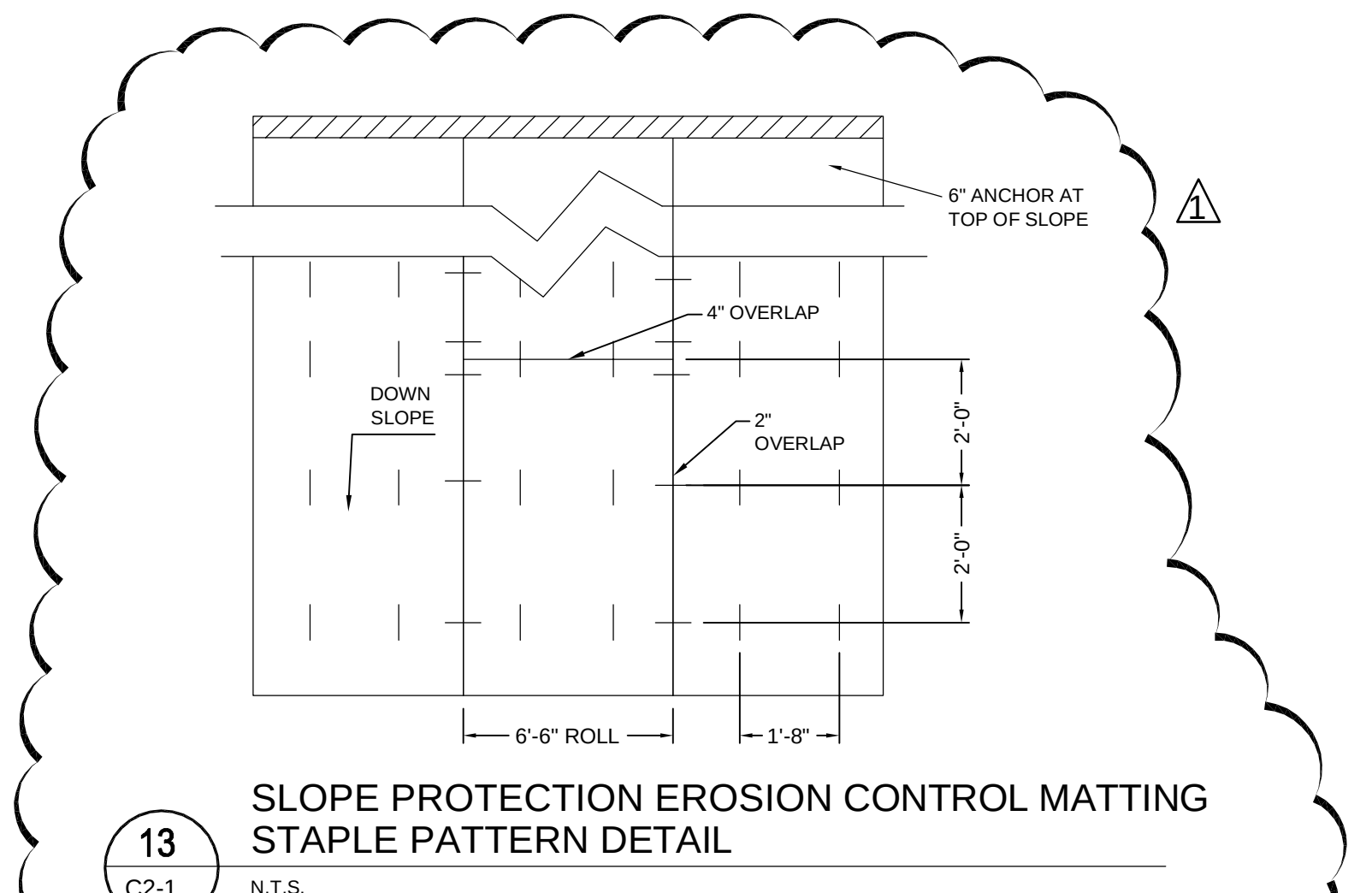
NOTES:

- ANY SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY.
- FILTER FABRIC OR CRUSHER RUN MAY BE USED AS A BASE COURSE FOR THE CONSTRUCTION ENTRANCE.
- A STABILIZED ENTRANCE PAD OF #8 WASHED STONE OR RAILROAD BALLAST SHALL BE LOCATED WHERE TRAFFIC WILL LEAVE OR ENTER THE CONSTRUCTION SITE ONTO A PUBLIC ROAD.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS WARRANT AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN APPROPRIATE, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET.



NOTE: IF BAFFLE ENDS ABOVE HIGH WATER LINE A 48" METAL STAKE DRIVEN INTO THE GROUND MAY BE USED FOR ANCHORING.

CONCRETE ANCHOR (3,000 PSI) WITH FIBER



DRAWN BY:

JMS

PROJECT ISSUE DATE: 6-28-12

SHEET ISSUE DATE: 6-28-12

Drawing Revisions

No. Date

1 6-6-12 REVISED DETAIL 8 AND

ADDED DETAIL 13

ARCHITECT PROJECT NUMBER: 21117

ARCHITECT CAD NUMBER: 21117 C2-1

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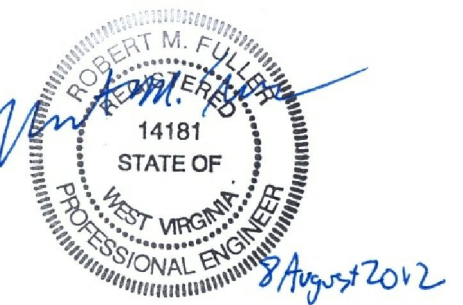


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PROJECT ISSUE DATE: 6 - 28 - 12	
SHEET ISSUE DATE: 6 - 28 - 12	
Drawing Revisions	
No.	Date
1	8-6-12 REVISED DETAIL 3

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C2-12

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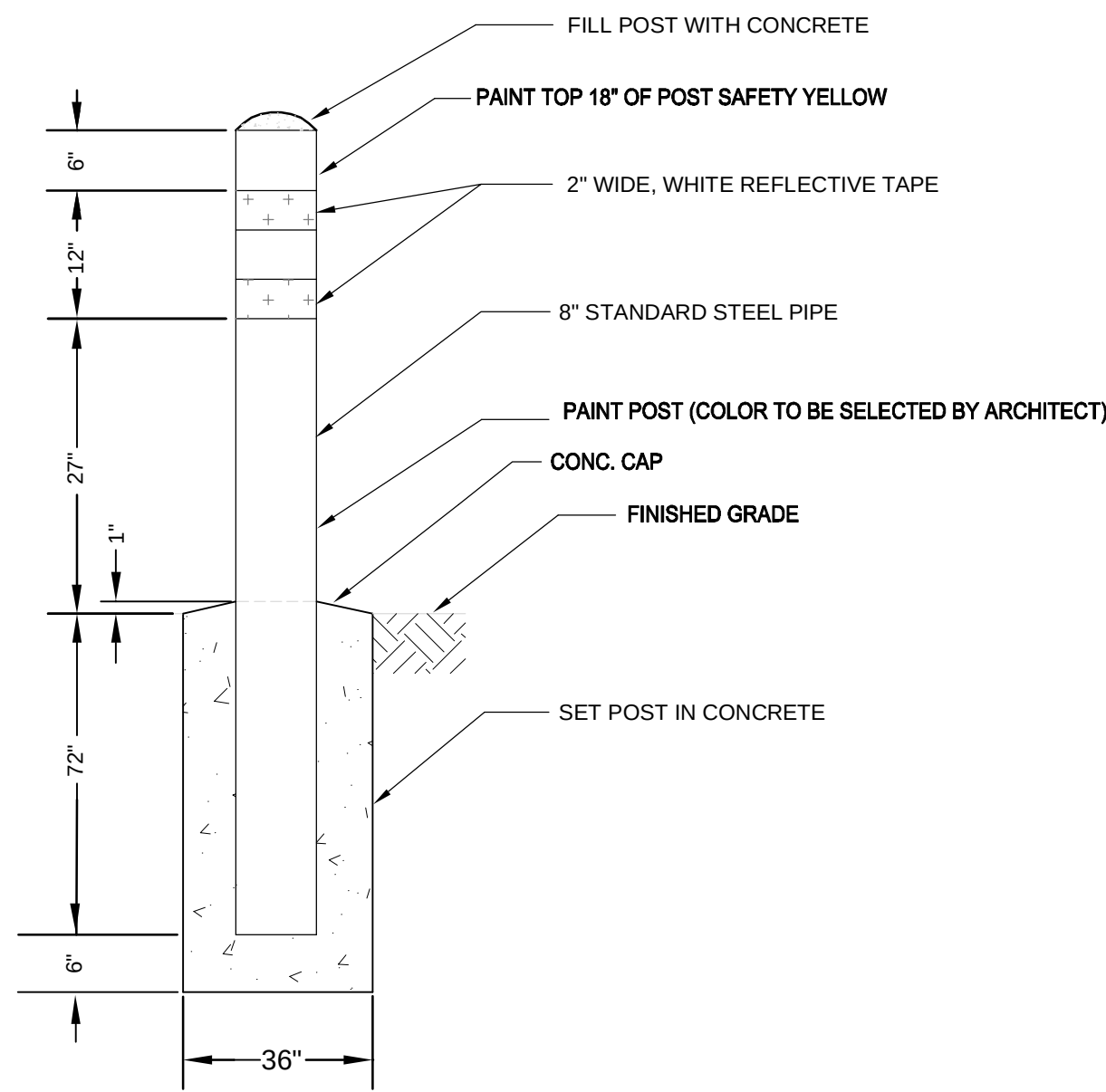


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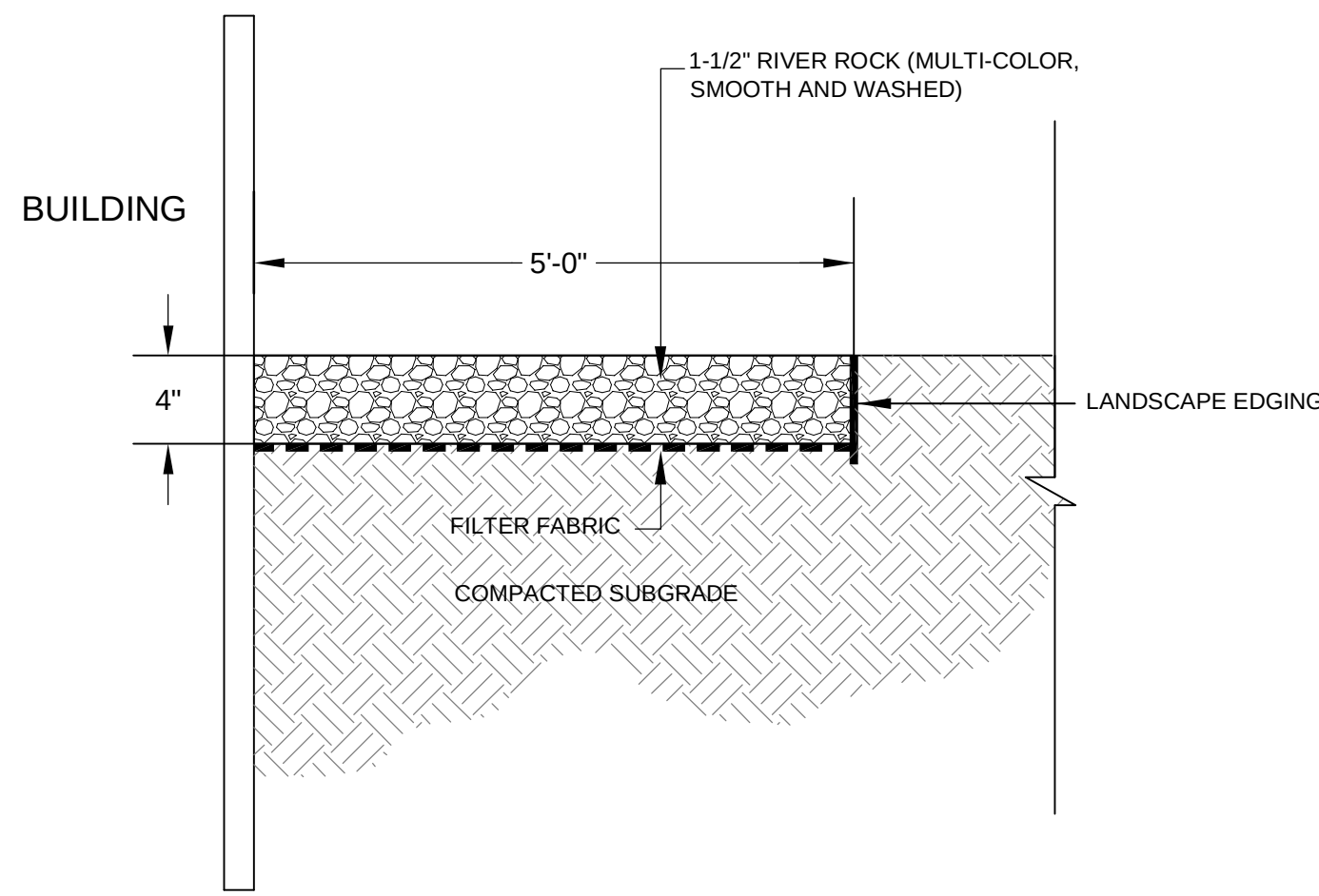
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C2-12

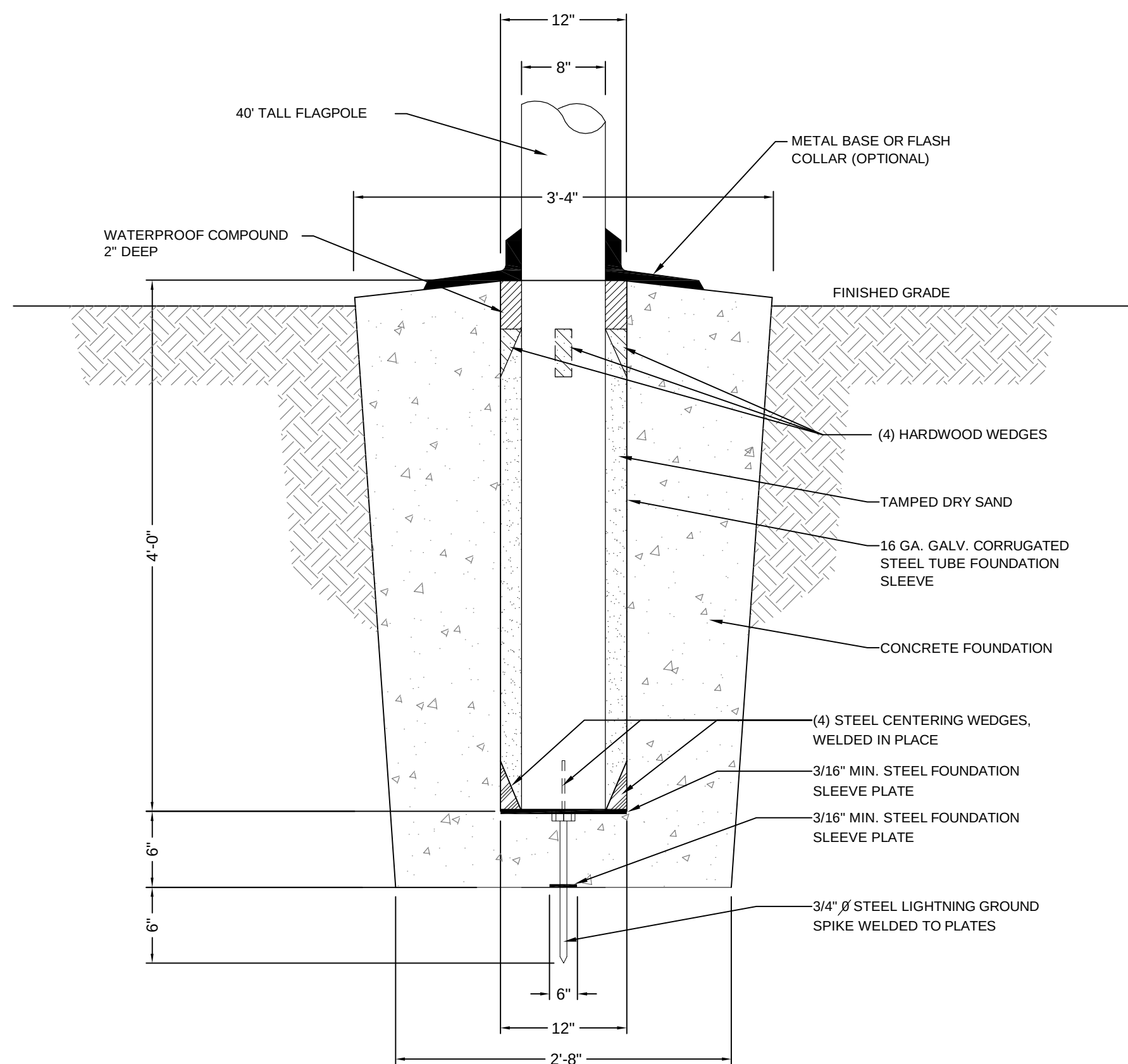
1
C2-12 **8" BOLLARD DETAIL**
N.T.S.



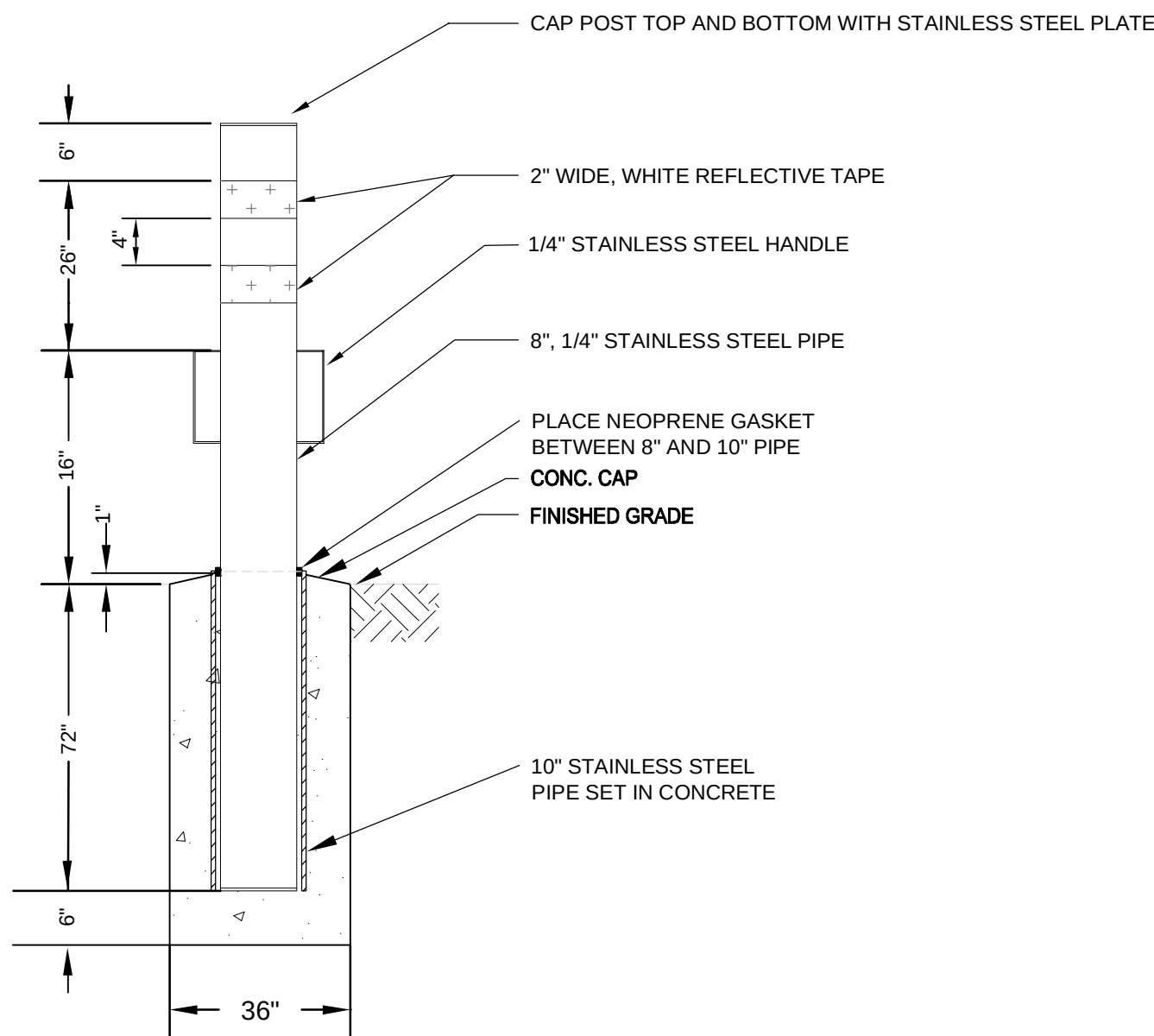
4
C2-12 **MAINTENANCE STRIP/ STONE MULCH**
NO SCALE



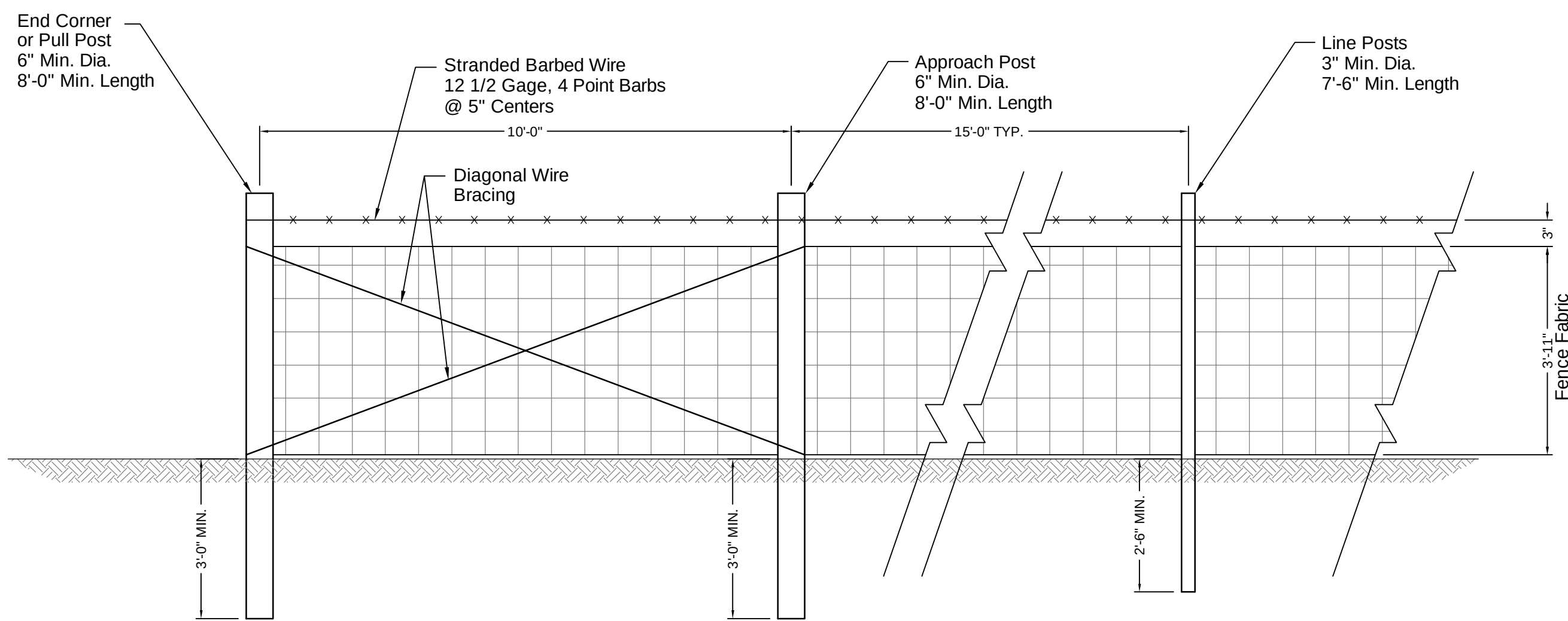
7
C2-12 **40' TALL FLAGPOLE DETAIL**
NO SCALE



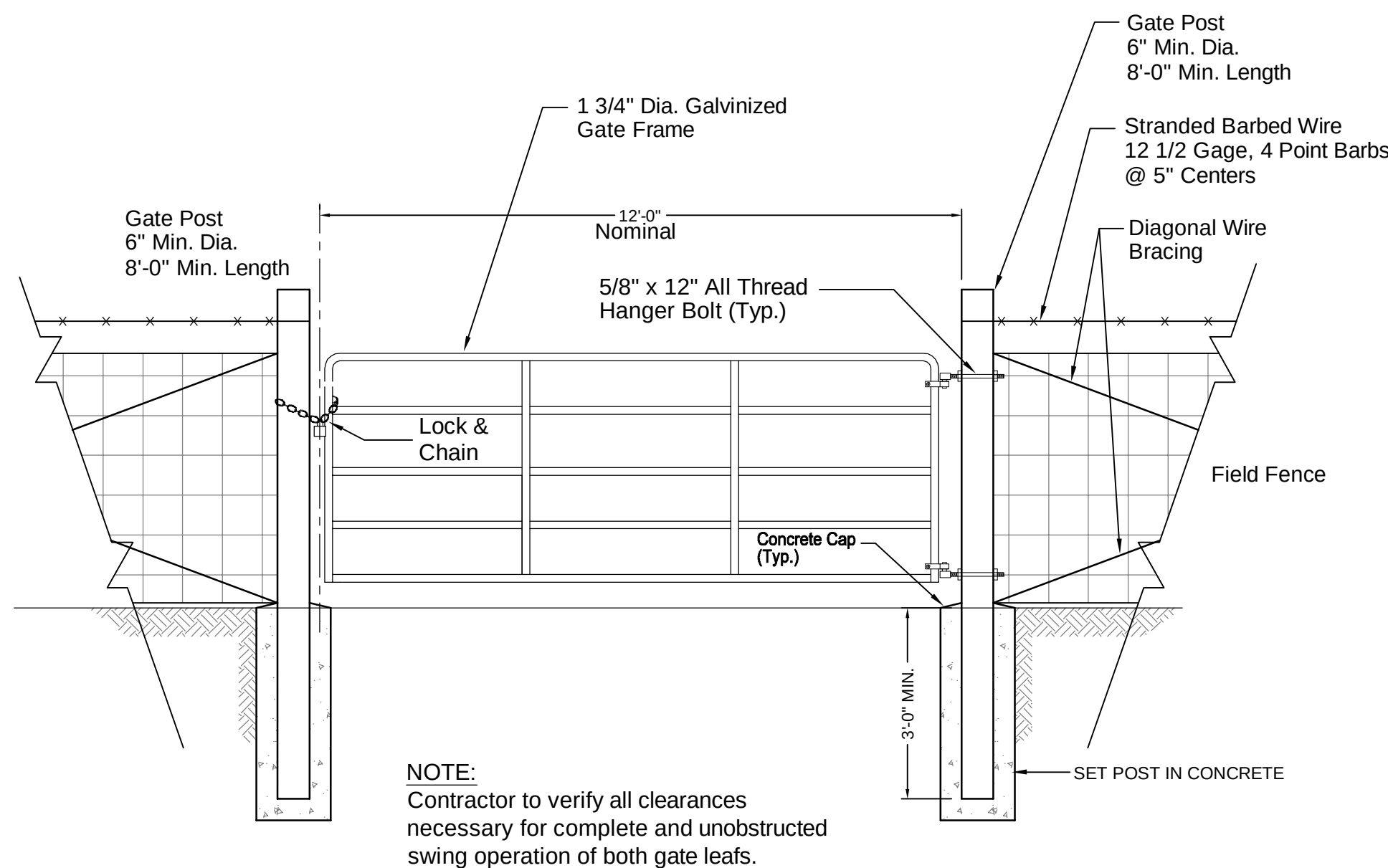
2
C2-12 **REMOVABLE BOLLARD DETAIL**
N.T.S.



5
C2-12 **FIELD FENCE DETAIL**
NO SCALE

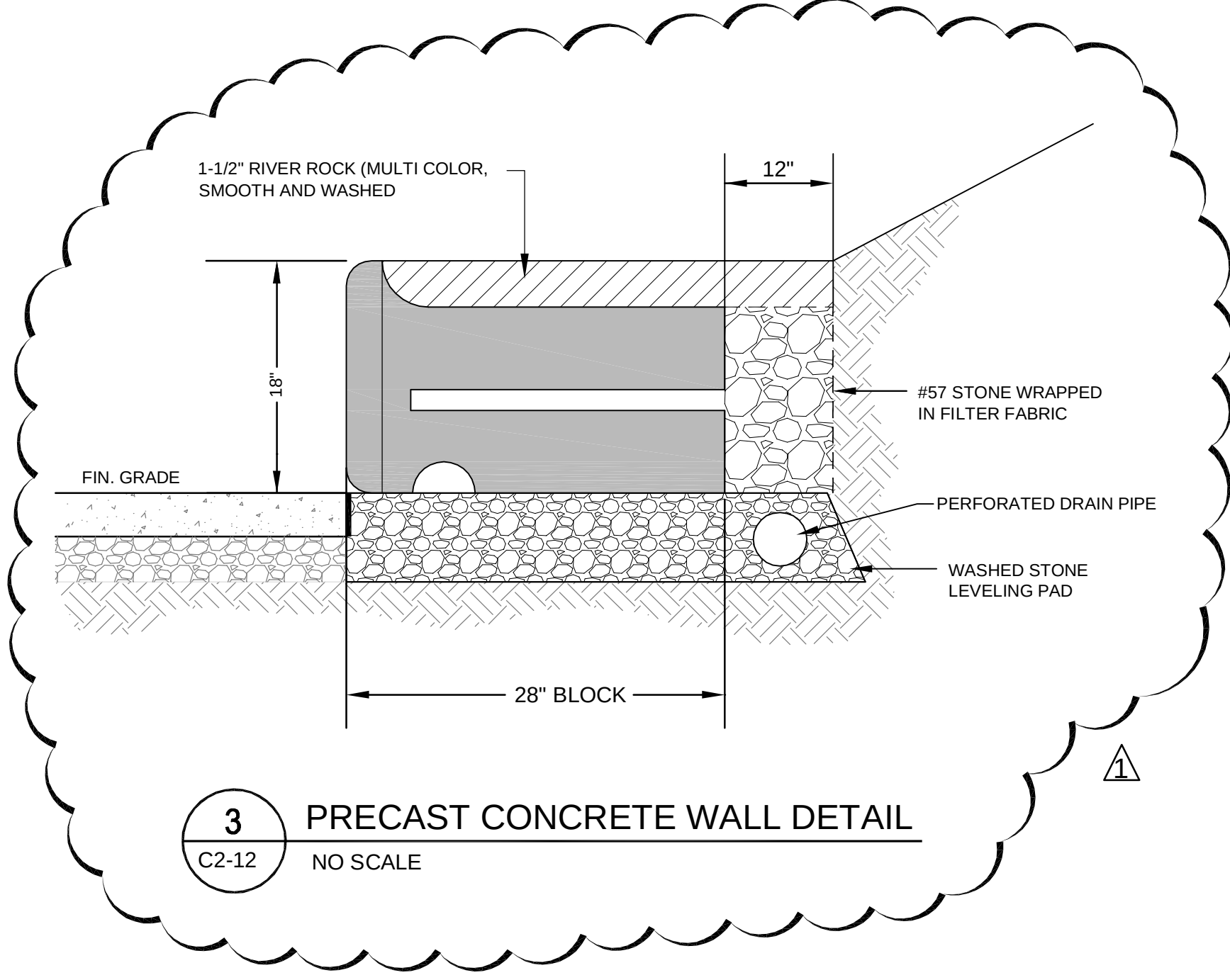


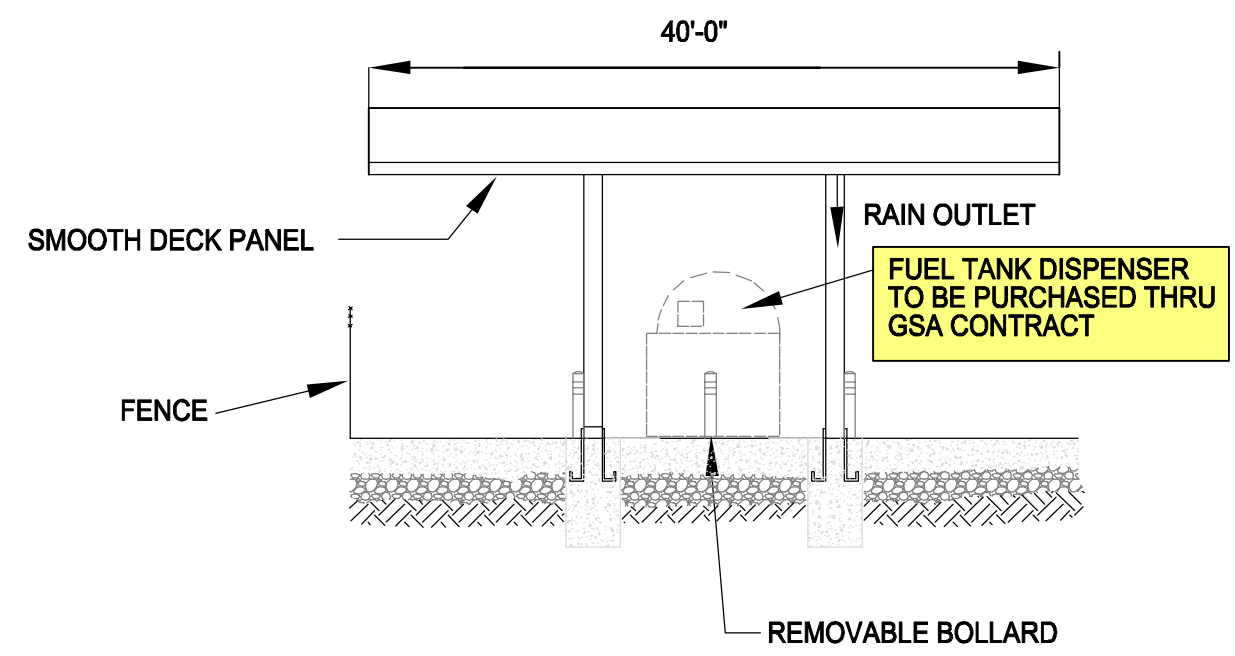
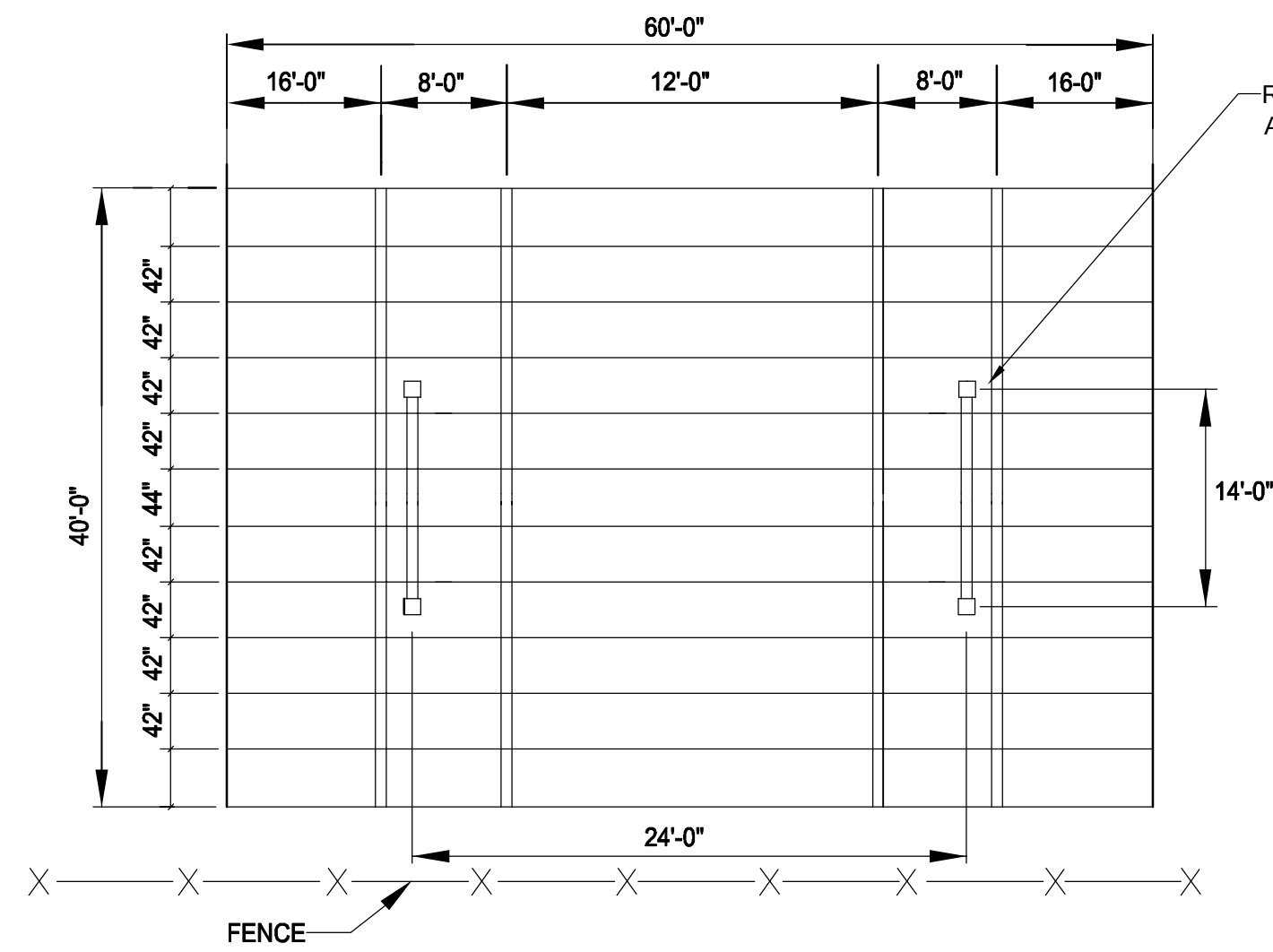
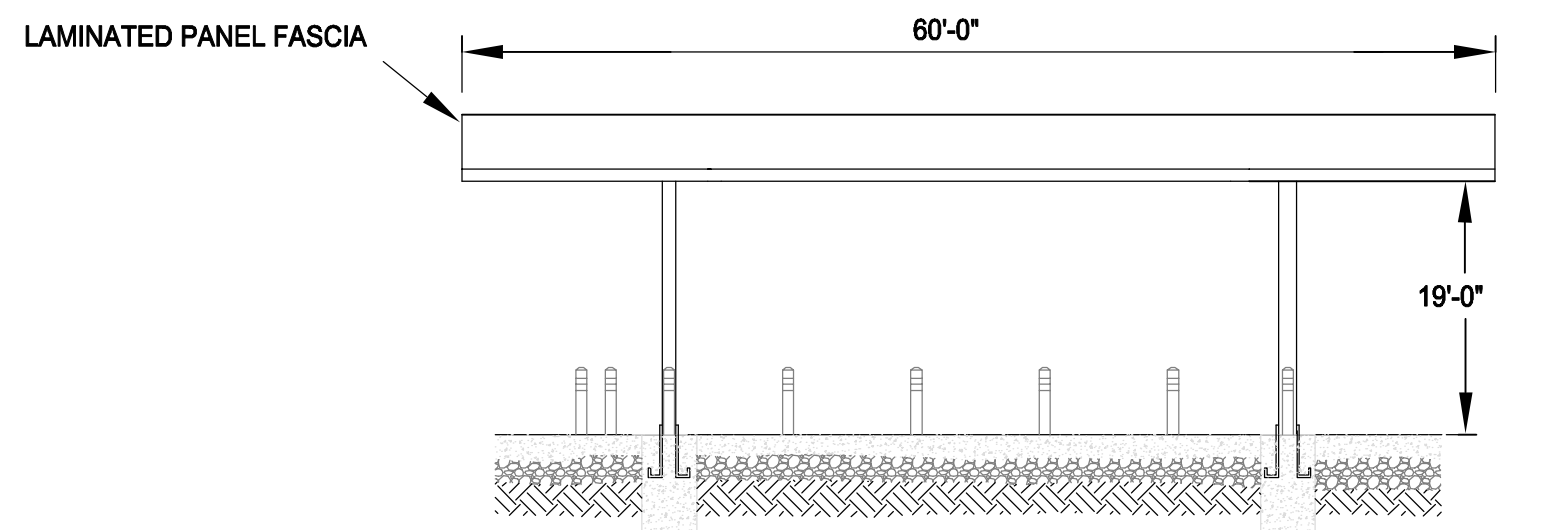
6
C2-12 **FARM (FIELD FENCE) GATE DETAIL**
NO SCALE



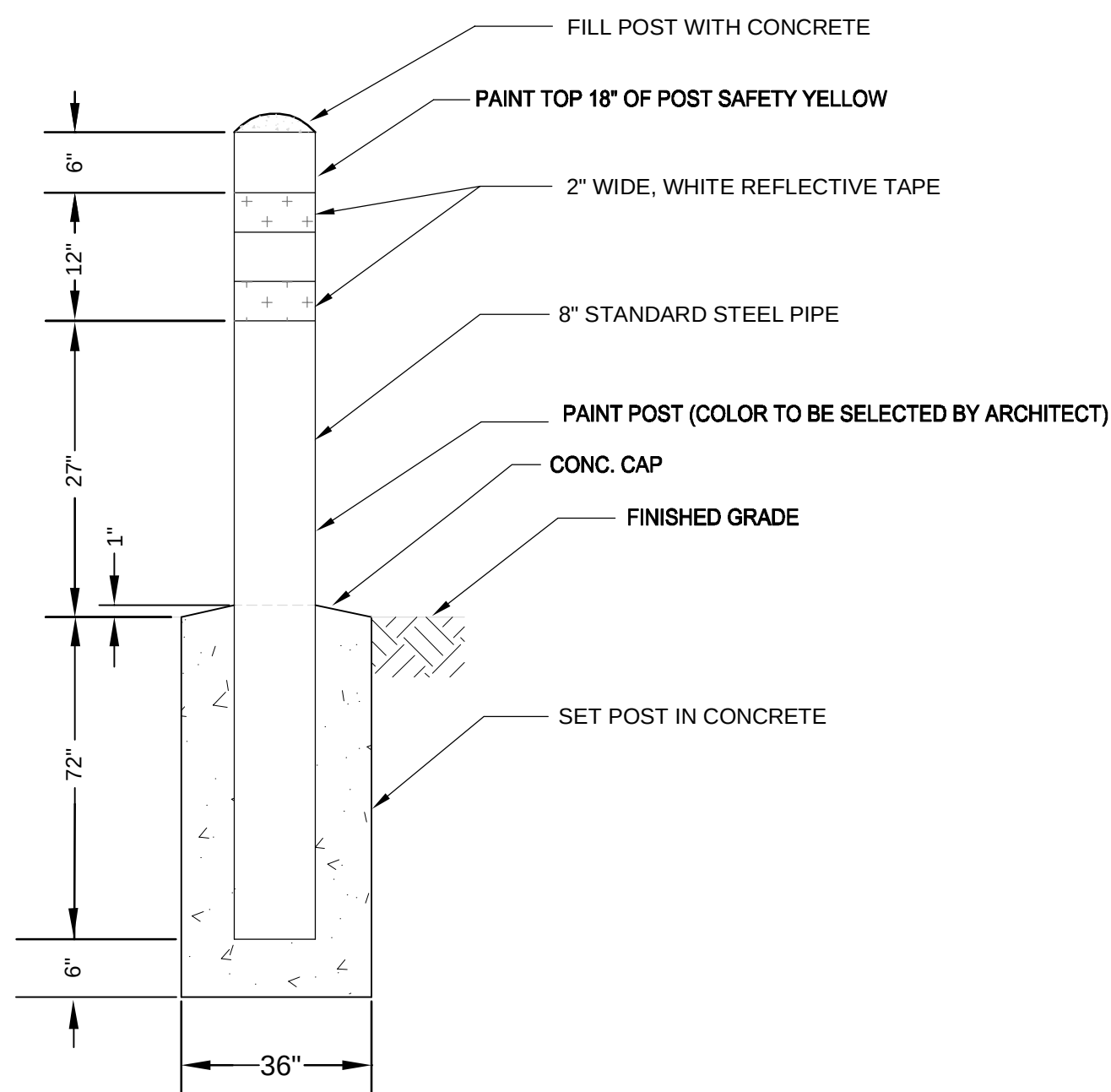
NOTE:
Contractor to verify all clearances necessary for complete and unobstructed swing operation of both gate leaves.

3
C2-12 **PRECAST CONCRETE WALL DETAIL**
NO SCALE





1 FUELING PAD CANOPY CONCEPT
C2-13 NO SCALE:

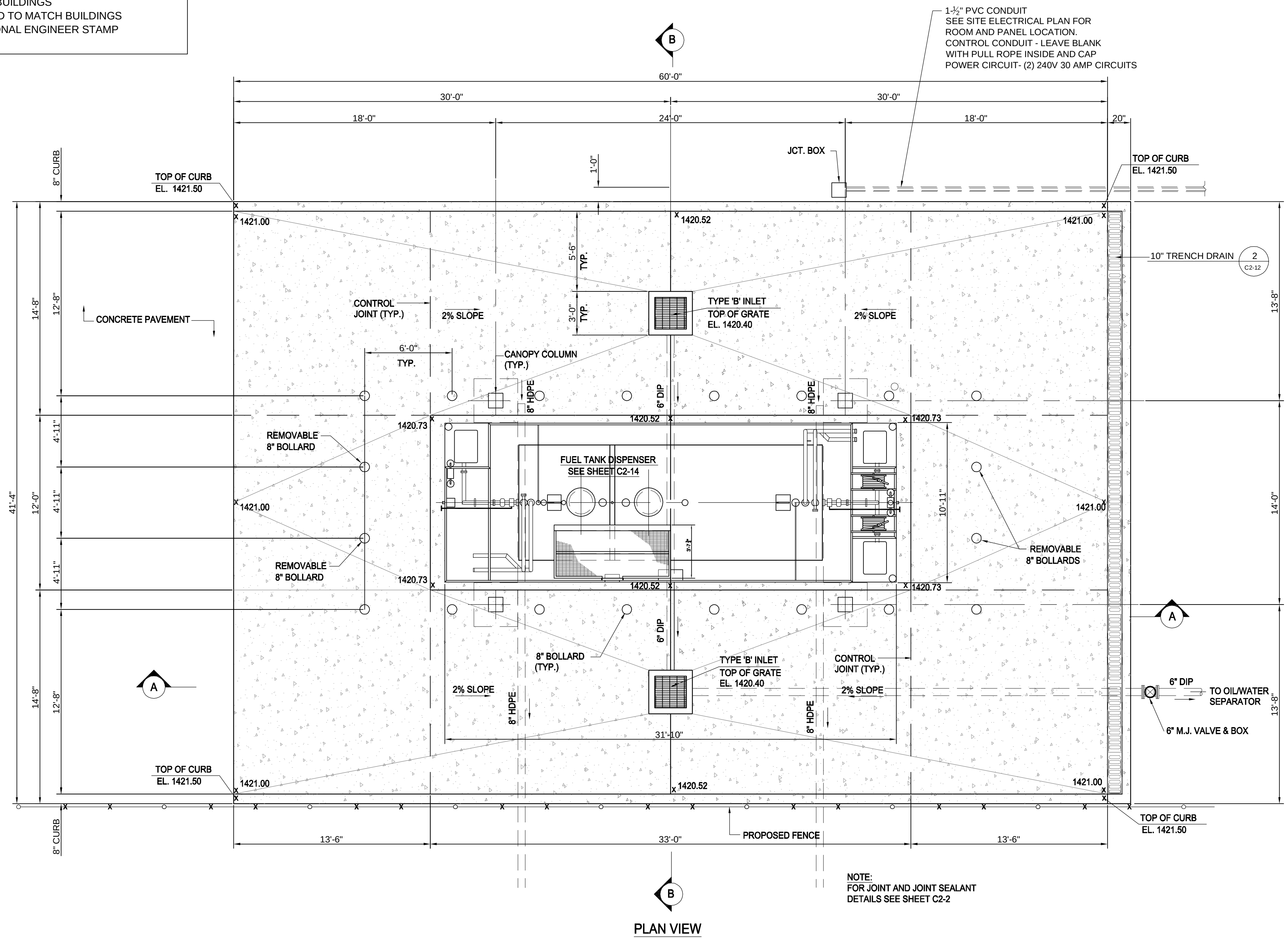
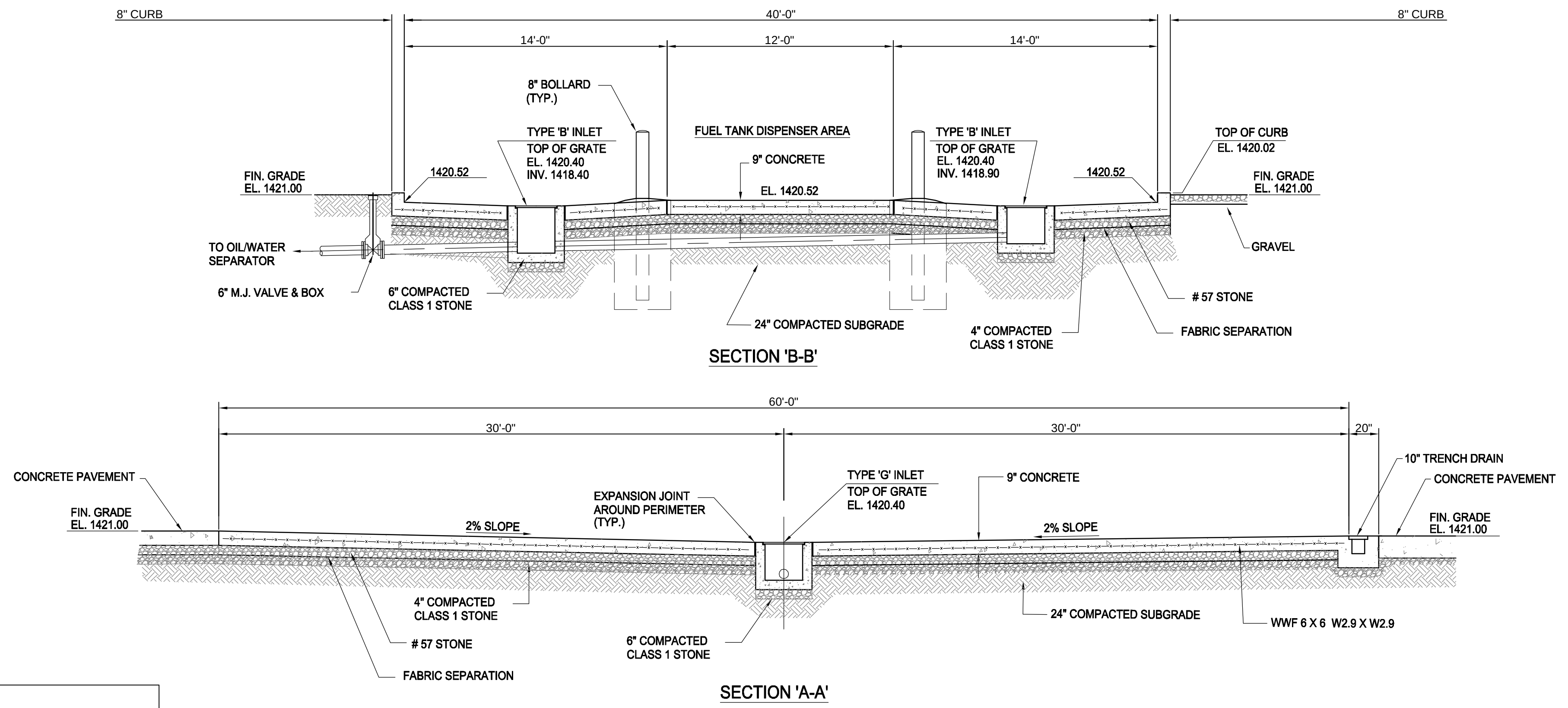


3 8" BOLLARD DETAIL
C2-13 N.T.S.

FUEL POINT CANOPY SPECIFICATIONS:

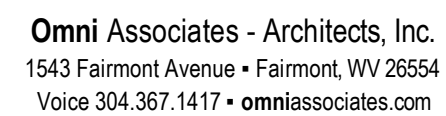
SIZE: 40' X 60'
NO. OF COLUMNS: 4
CLEAR HEIGHT: 19'
COLUMNS: STRUCTURAL STEEL ASTM A500 GRADE B
ROOF: STANDARD "BOTTOM DECK" STYLE (20 GAUGE STEEL)
FASCIA: 36" LAMINATED PANELS (24 GAUGE STEEL)
DRAINS: EXTERNAL DRAINS WITH GUTTER ON LOW SIDE
LIGHTING: NONE
CONDUITS: NONE
CONDITIONS: PER LOCAL CODE
COLOR: CEILING - WHITE
FASCIA - TO BE SELECTED TO MATCH BUILDINGS
STRUCTURAL STEEL - TO BE SELECTED TO MATCH BUILDINGS
SHOP DRAWINGS WITH WV PROFESSIONAL ENGINEER STAMP
PAINT AND STEEL PANEL COLORS.

SUBMITTALS REQUIRED:



2 FUELING PAD DETAIL
C2-13 NO SCALE:

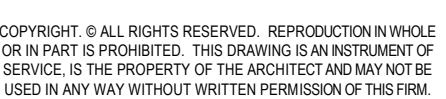




DRAWN BY: JMS	
PROJECT ISSUE DATE: 6 - 28 - 12	
SHEET ISSUE DATE: 6 - 28 - 12	
Drawing Revisions	
No.	Date
1	8-6-12 DELETED NOTE

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 C2-2

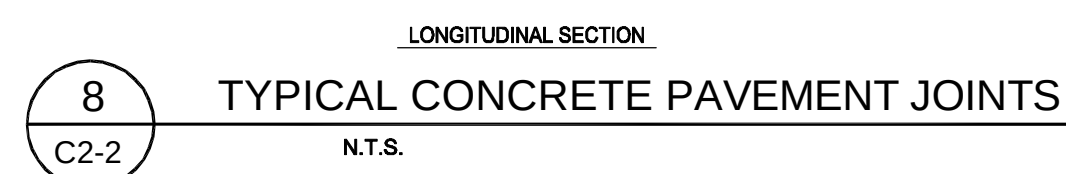
- ☐ DESIGN DEVELOPMENT
- ☐ PROGRESS _____
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- ☒ FOR BIDDING
- ☐ CONSTRUCTION DOCUMENT
- ☐

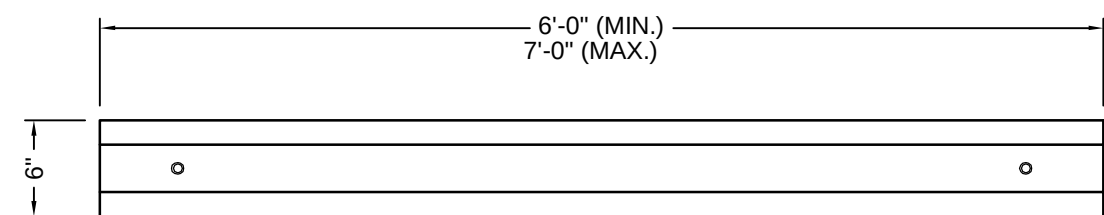


C2-2

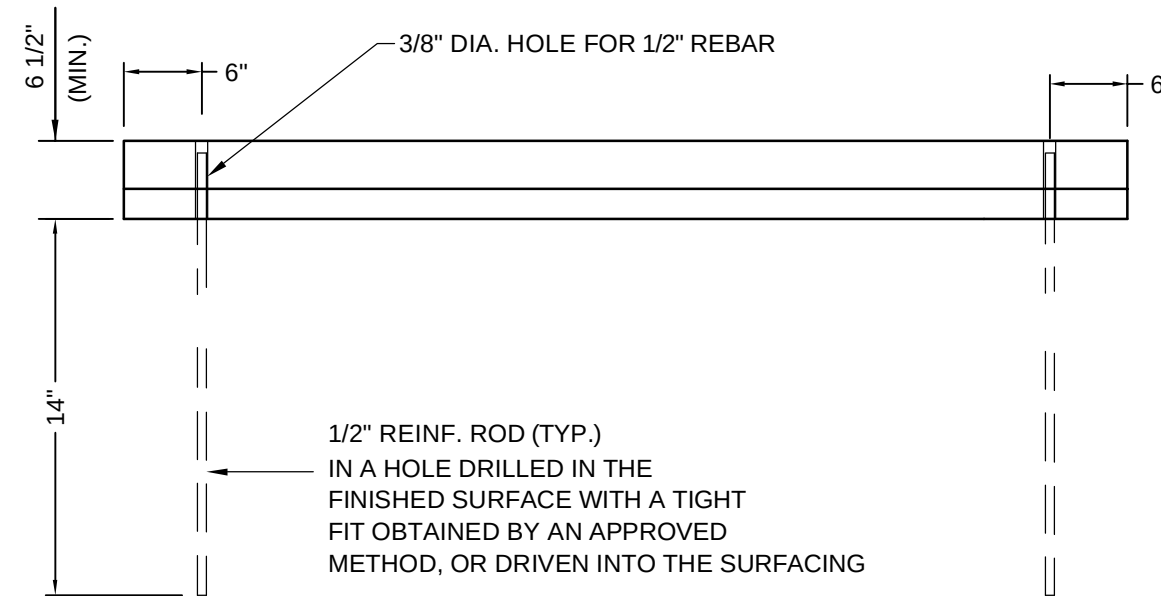


NOTE: SEE DETAIL 7 SHEET C2-4 FOR WALKS ADJACENT TO DOORS

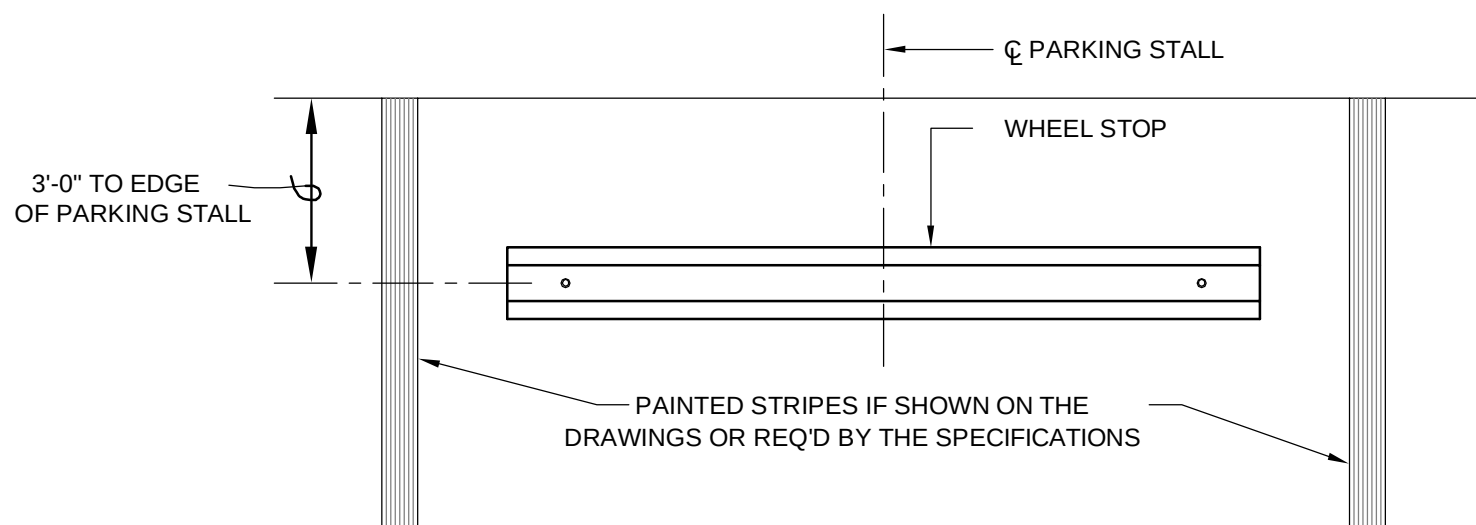




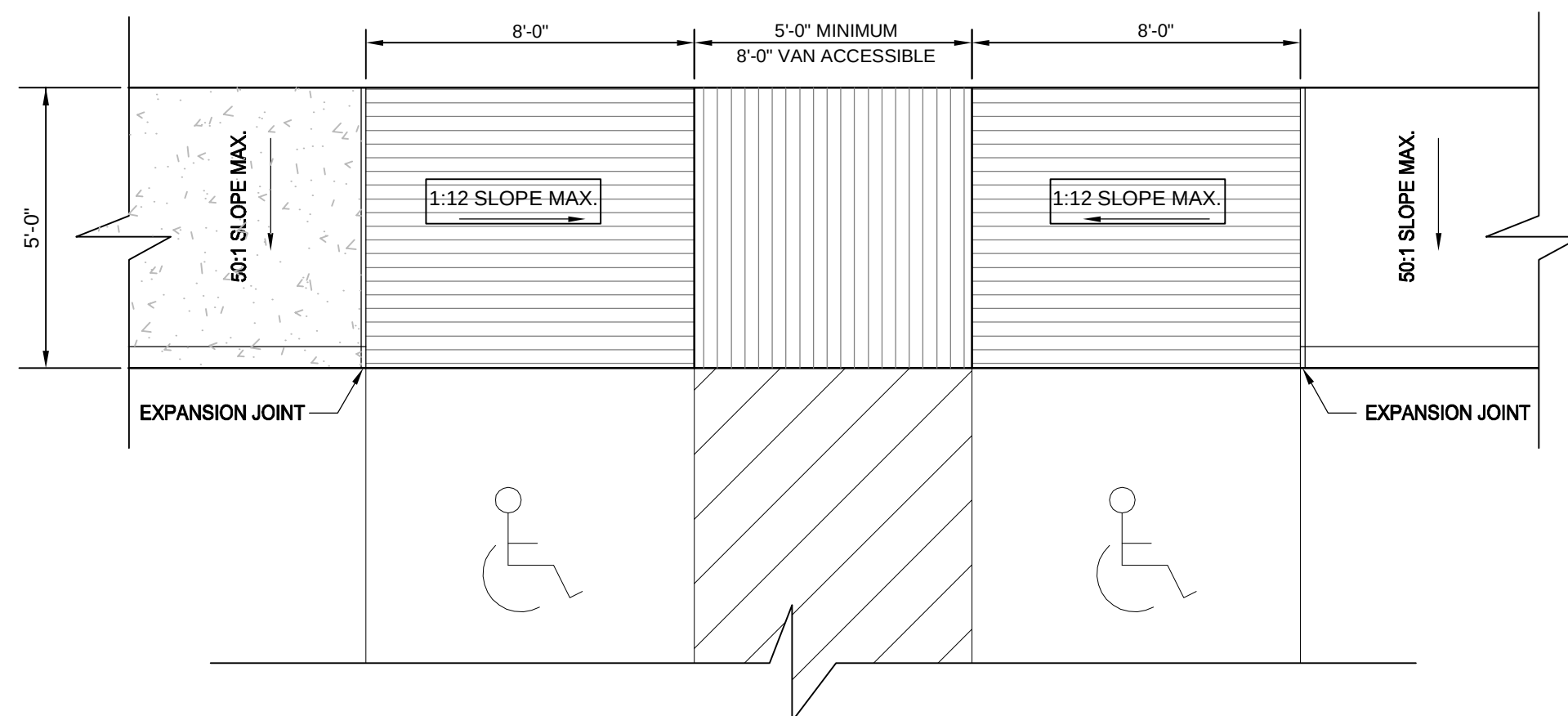
PLAN



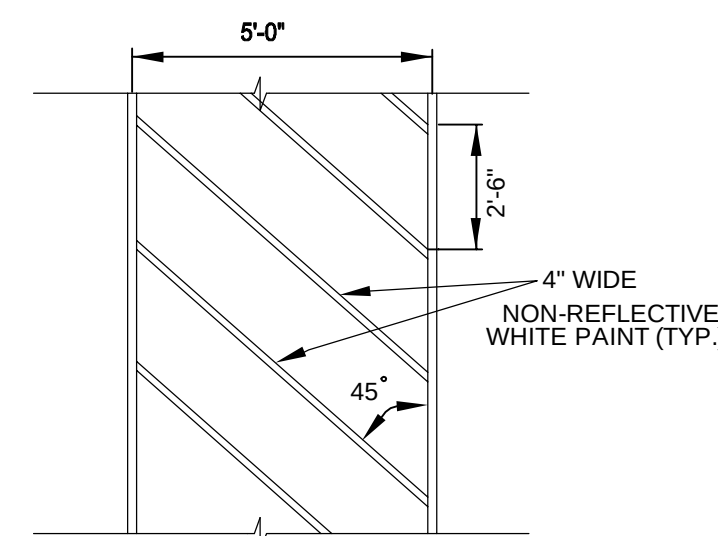
ELEVATION



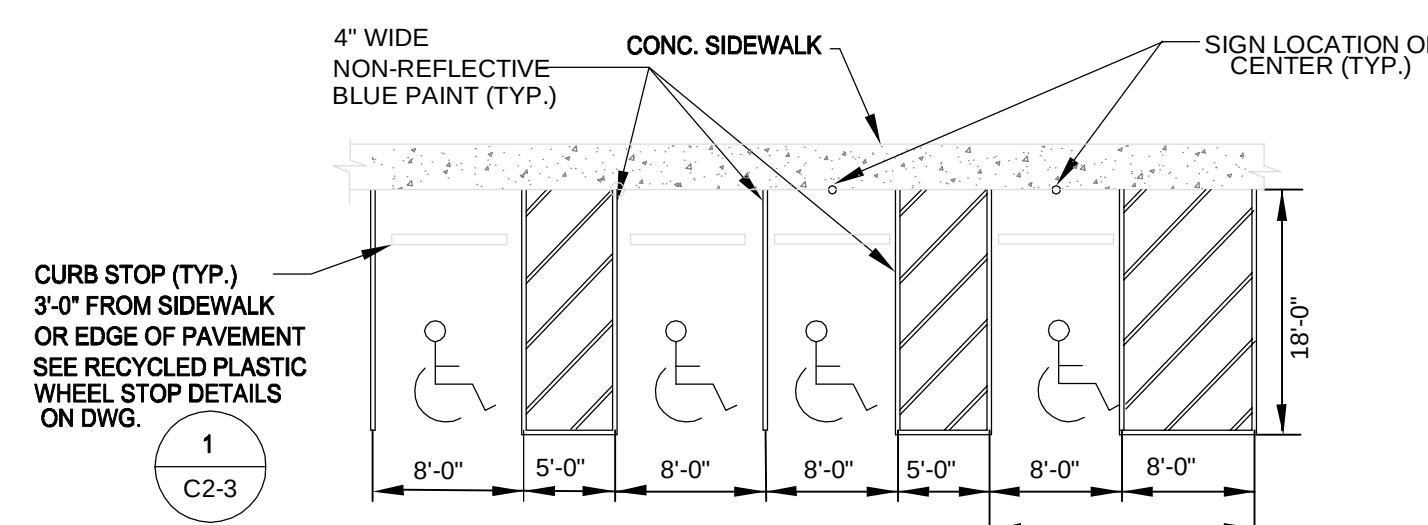
1 WHEEL STOP DETAILS
C2-3 N.T.S. INSTALLATION PLAN



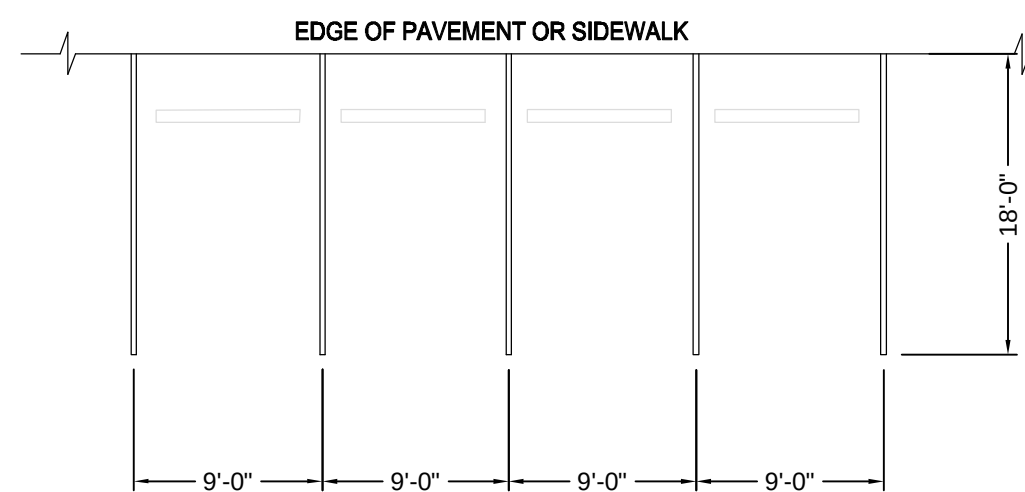
2 CURB RAMP 1 DETAIL
C2-3 N.T.S.



3 PEDESTRIAN CROSSING STRIP
C2-3 N.T.S.



4 HANDICAPPED PARKING SPACE STRIPING
C2-3 N.T.S.

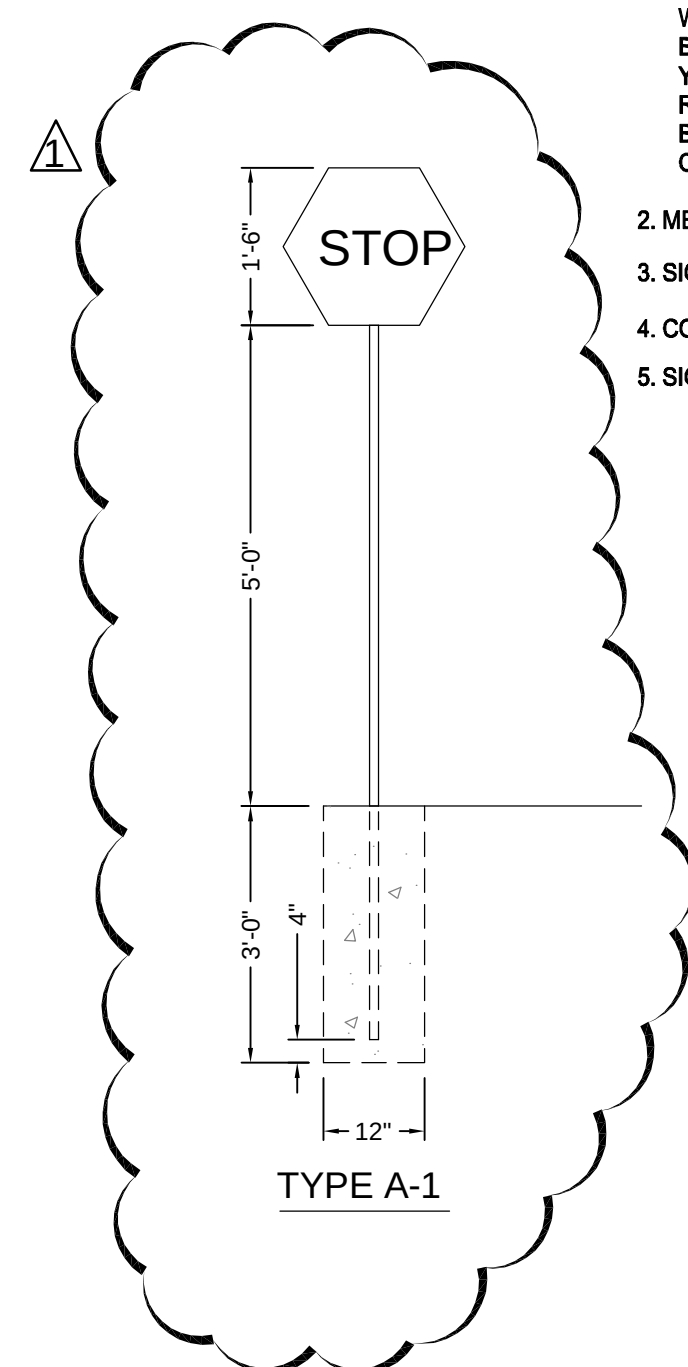


5 PARKING SPACE STRIPING
C2-3 N.T.S.

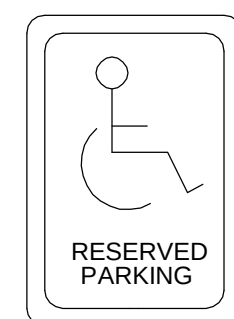
SIGN TYPE	SIZE	MESSAGE	REMARKS
A-1	1'-6"W X 1'-6"H	STOP	
A-2	1'-0"W X 1'-6"H	HANDICAPPED RESERVED PARKING	
A-3	1'-0"W X 9"H	VAN ACCESSIBLE PARKING	
A-4	2'-0"W X 12"H	US GOVERNMENT PROPERTY NO TRESPASSING	SPACE SIGNS 150' APART ON EXTERIOR OF MOTOR POOL FENCES AND PERIMETER FENCES.
A-5	1'-0"W X 1'-6"H	NO HEAVY TRUCKS	
A-6	1'-0"W X 1'-6"H	SPEED LIMIT 25	
A-7	1'-0"W X 1'-6"H	HEV PREFERRED PARKING	
A-8	2'-0"W X 1'-0"H	AUTHORIZED VEHICLES ONLY	

NOTES:

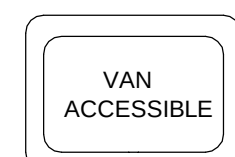
1. COLORS SHALL BE FEDERAL STANDARD 595A AS FOLLOWS:
WHITE - 27875
BLACK - 27038
YELLOW - 23655
RED - 21105
BROWN - 20059
CHARCOAL - 36118
2. MESSAGES SHOWN ON SIGNAGE DETAILS ARE FOR EXAMPLE ONLY.
3. SIGNS MAY BE FOR OPPOSITE HAND LOCATIONS.
4. COORDINATE EXTERIOR SIGN COLORS WITH C&M.O.
5. SIGN MATERIAL TO BE GRADE 3000 ALUMINIUM - 0.08" THICK



TYPE A-1

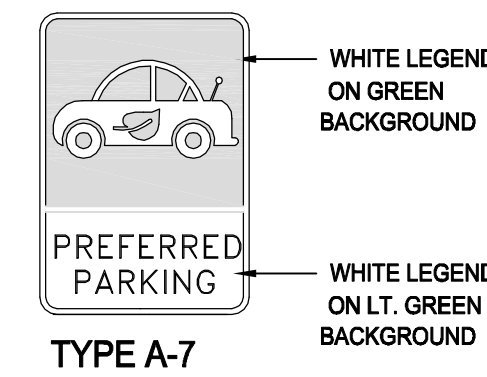


TYPE A-2

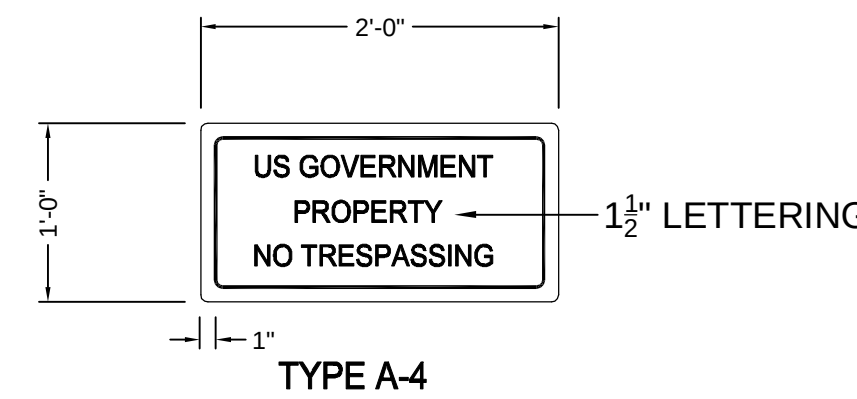


TYPE A-3

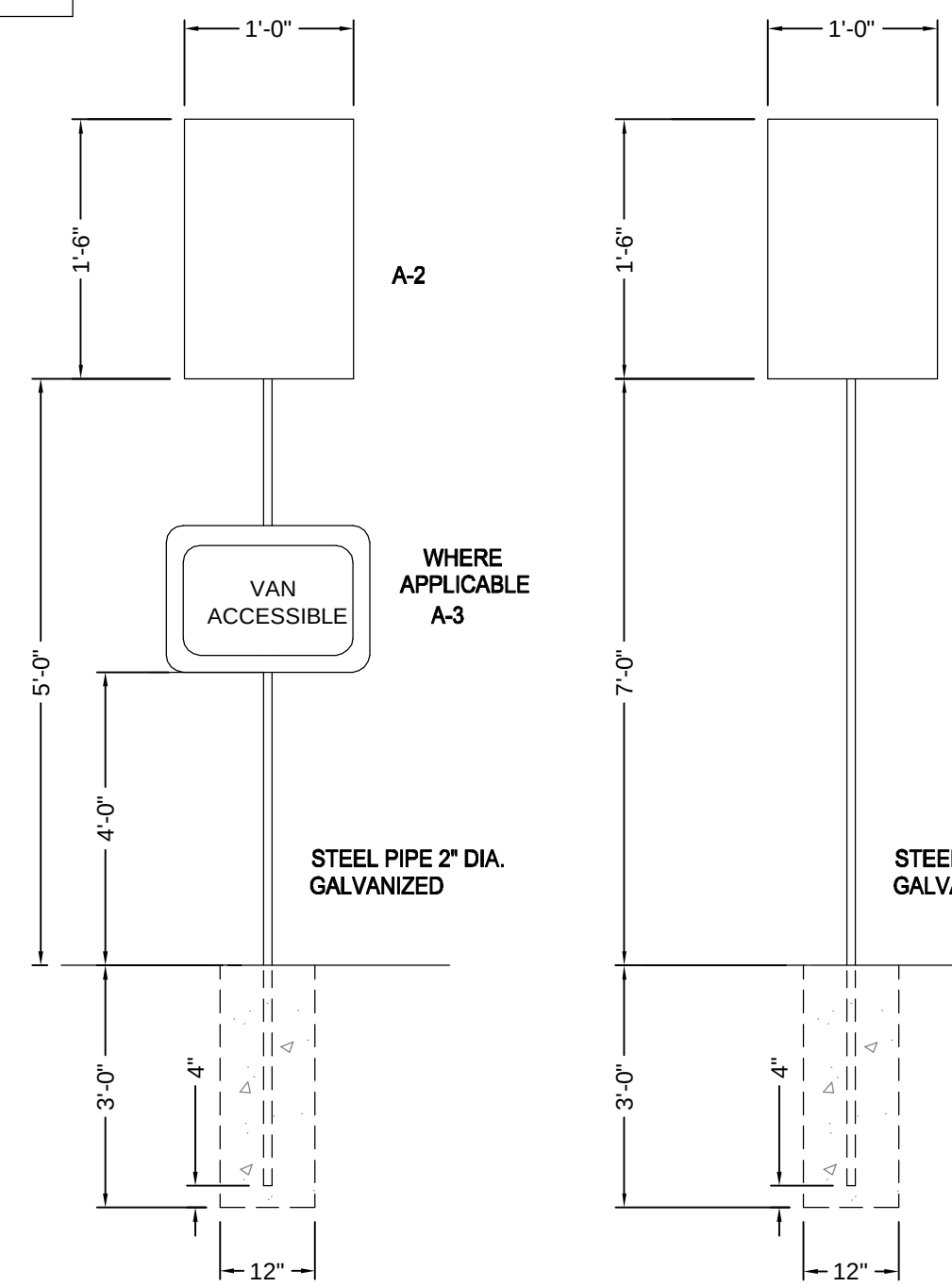
6 SITE SIGN DETAIL
C2-3 N.T.S.



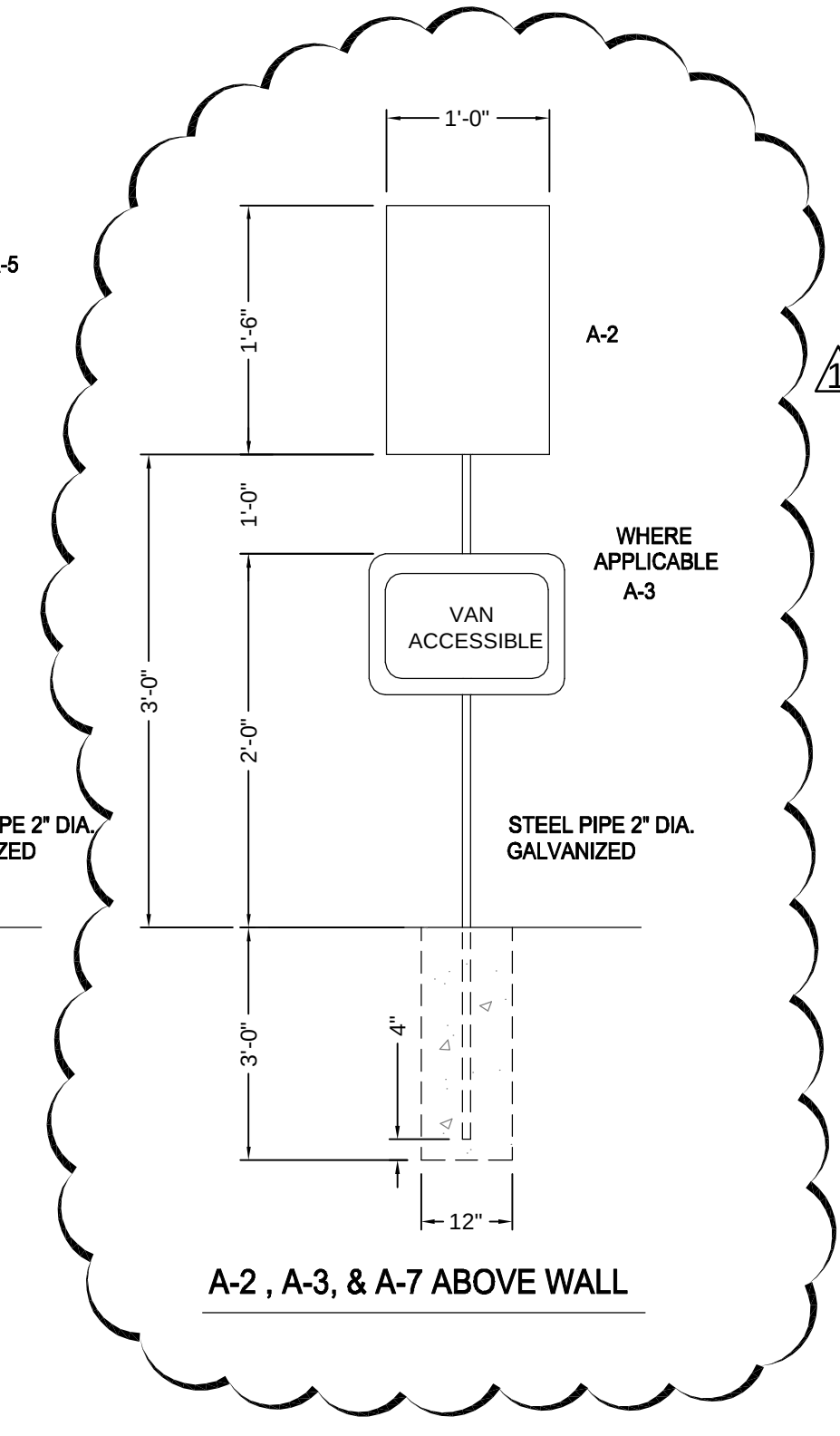
TYPE A-7



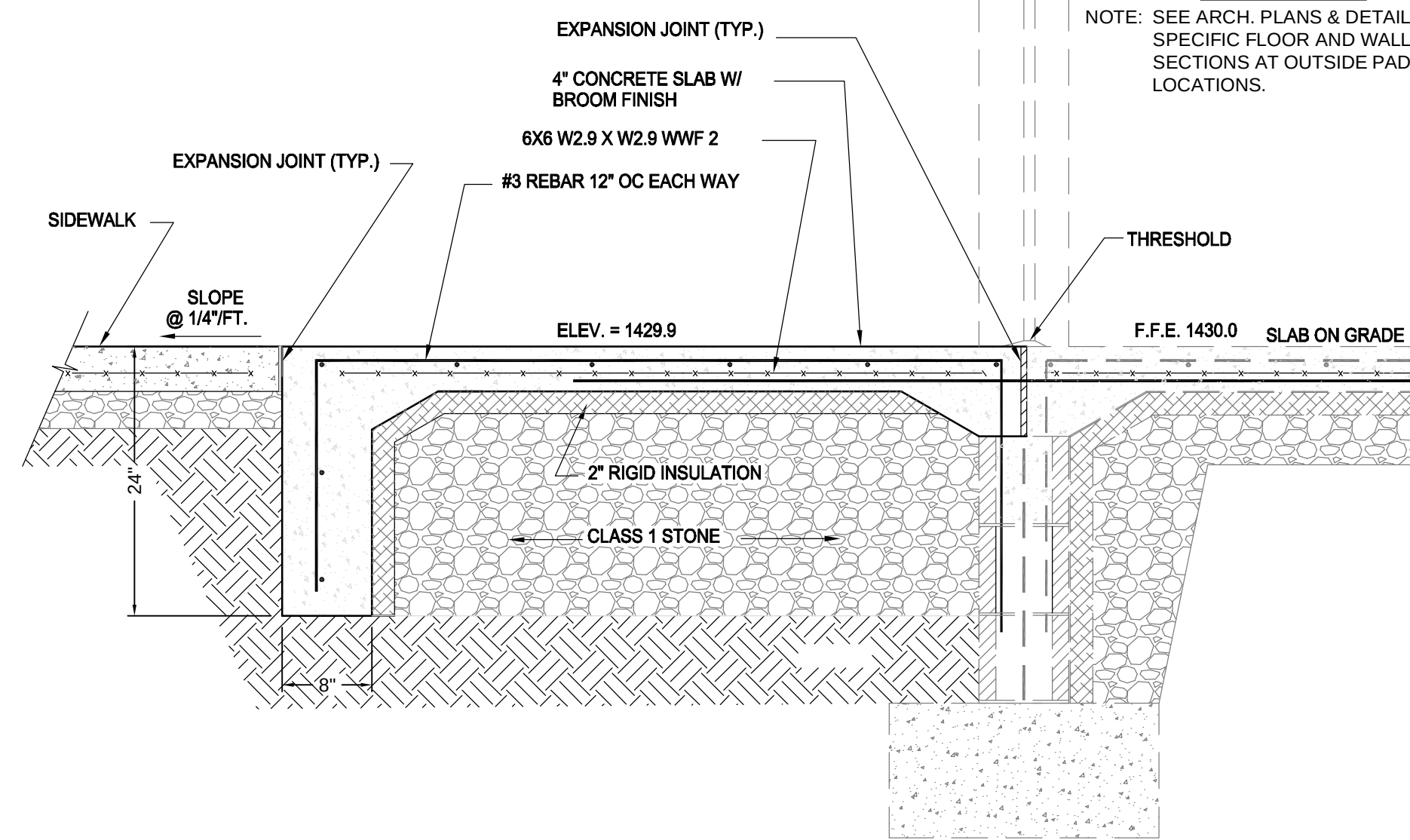
TYPE A-4



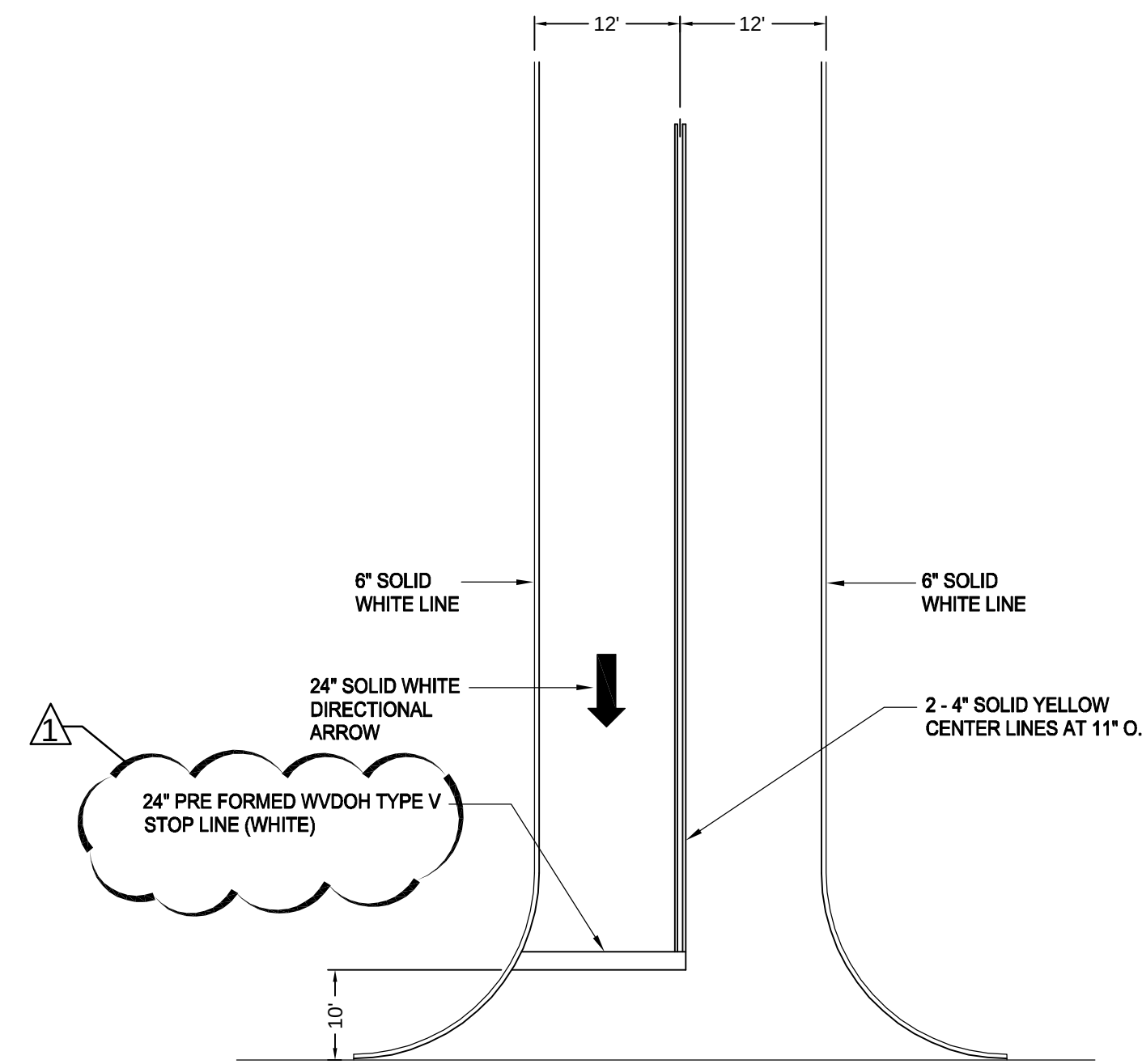
TYPE A-5 & A-6



A-2, A-3, & A-7 ABOVE WALL



7 DOOR STOOP DETAIL
C2-3 N.T.S.



8 ACCESS ROAD STRIPING DETAIL
C2-3 N.T.S.



DRAWN BY: Author
PROJECT ISSUE DATE: JUNE 28, 2012
SHEET ISSUE DATE:

No.	Date
1	Addendum #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-1.0

APPROVED DRAWING USE:

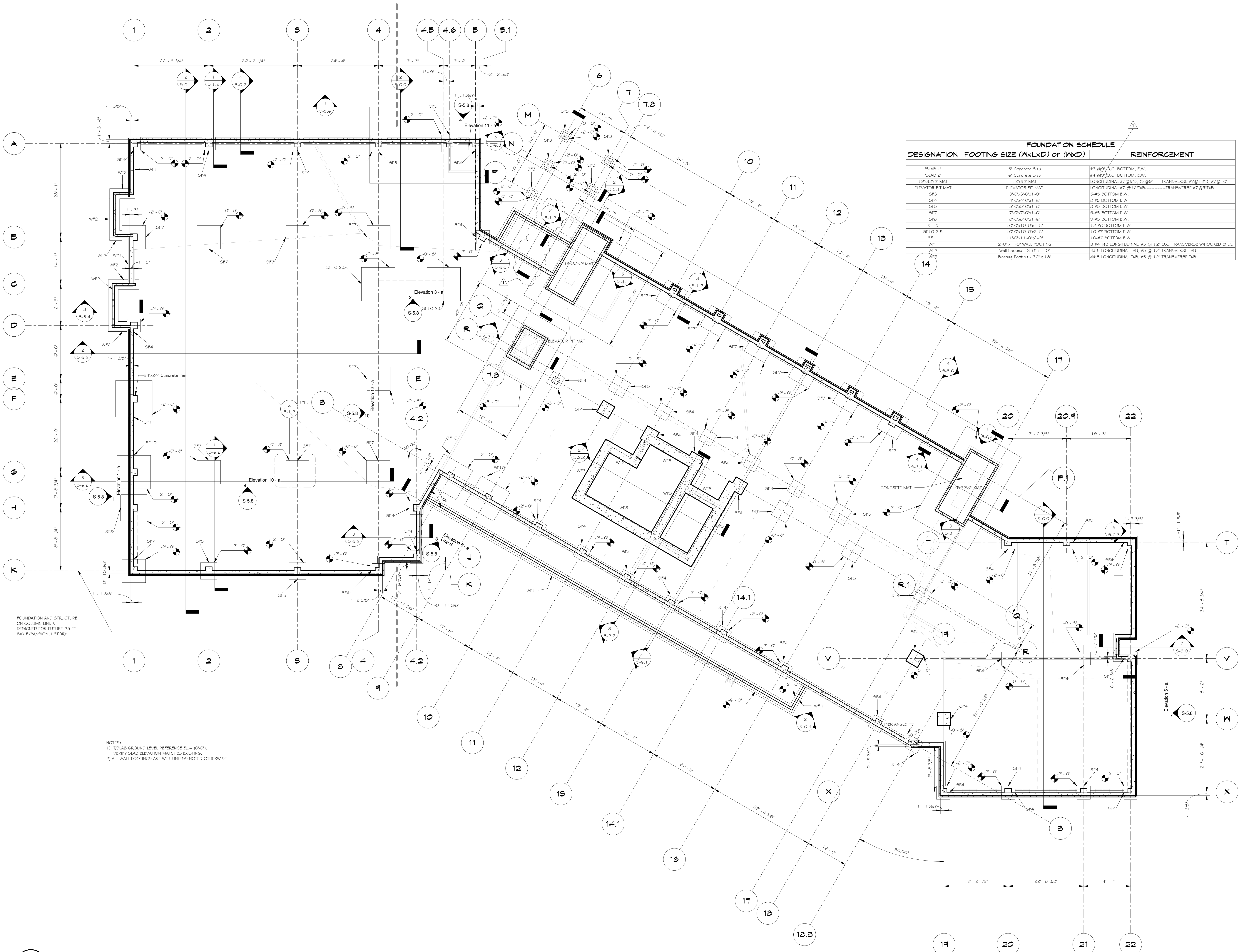
- DESIGN DEVELOPMENT
PROGRESS
PERMIT ACQUISITION
FOR BIDDING
CONSTRUCTION DOCUMENT

DAVID R. CHAPMAN
2012
STATE OF WV
PROFESSIONAL ENGINEER

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SHEET NO.

S-1.0





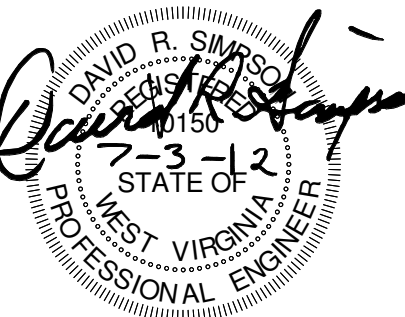
DRAWN BY: Author
PROJECT ISSUE DATE: JUNE 28, 2012
SHEET ISSUE DATE: 04/25/12

No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-1.1

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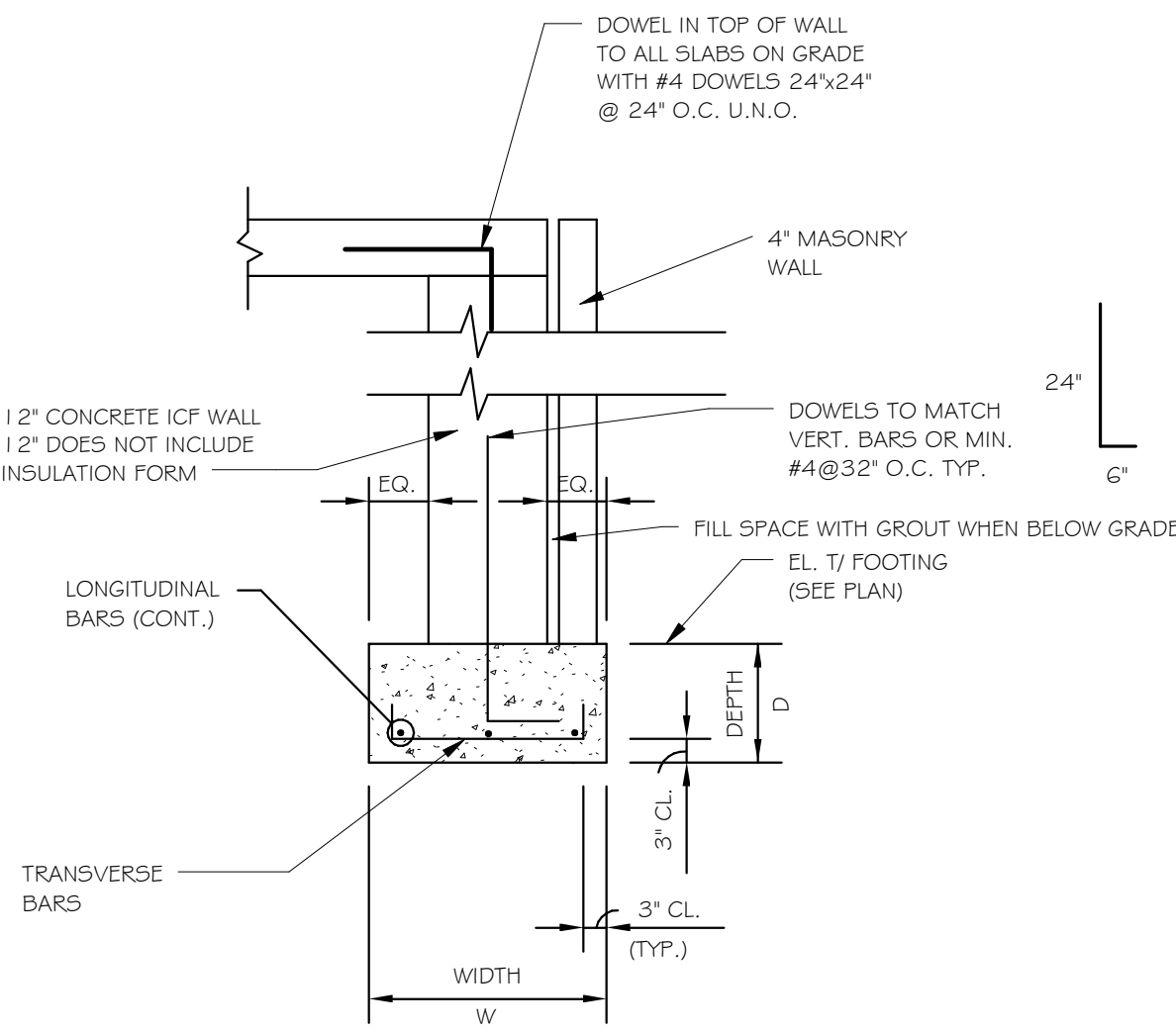
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○ PROGRESS
○ PERMIT ACQUISITION
○ FOR BIDDING
● CONSTRUCTION DOCUMENT
○



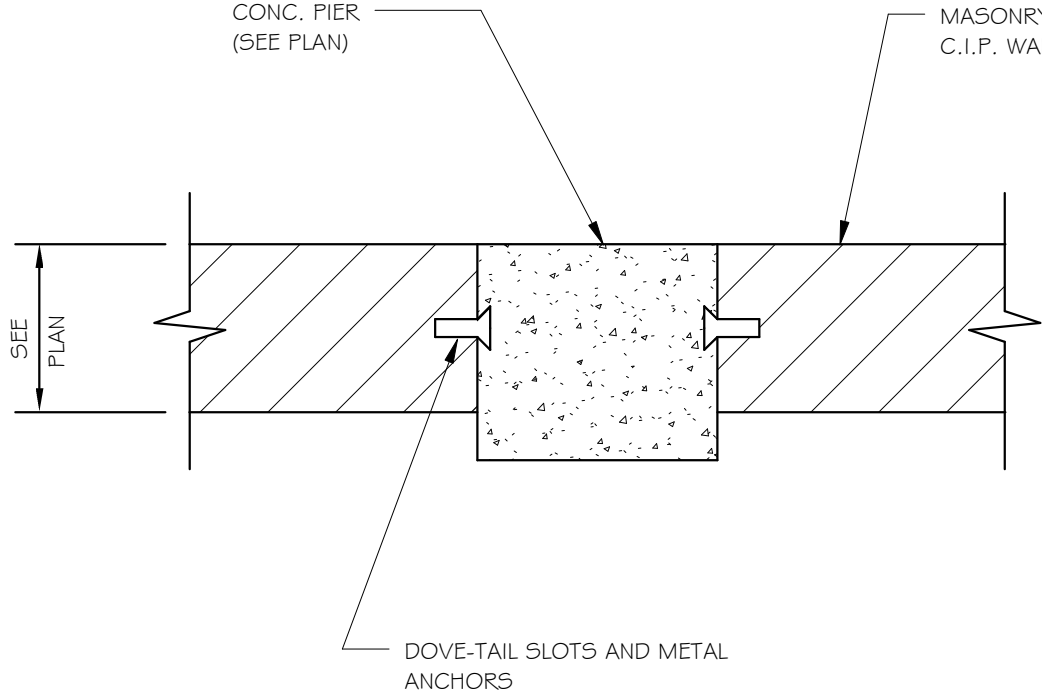
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SHEET NO.

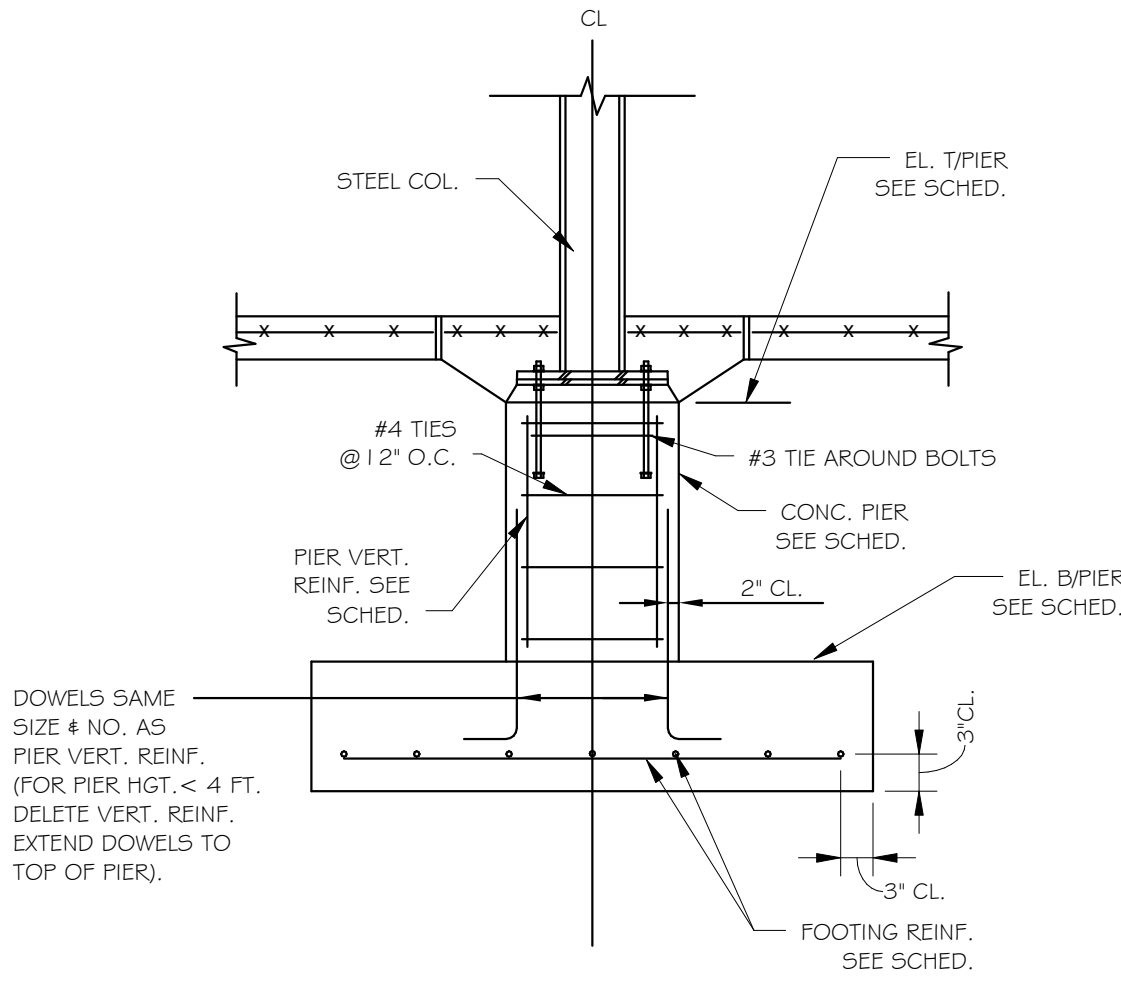
S-1.1



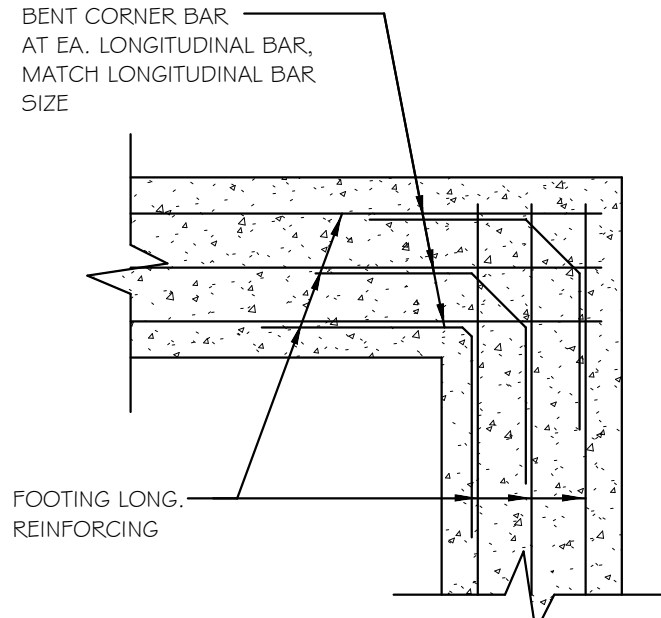
1
5-1.1
TYPICAL CONTINUOUS WALL FOOTING DETAIL
SCALE: 3/4" = 1'-0"



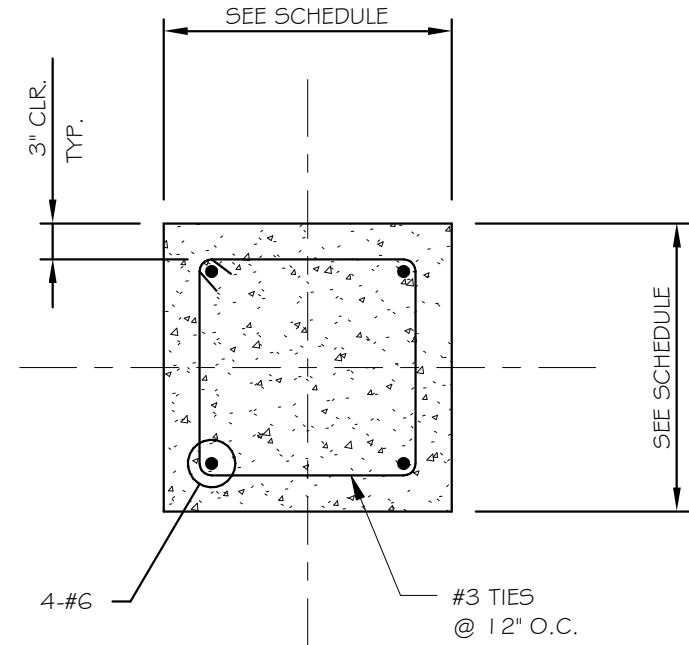
2
5-1.1
TYPICAL DETAIL AT CONCRETE PIERS
SCALE: 3/4" = 1'-0"



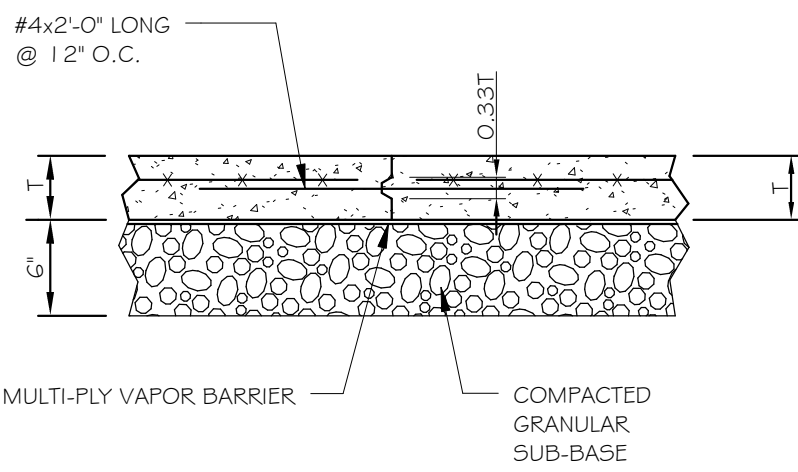
3
5-1.1
TYPICAL STEEL COLUMN SPREAD FOOTING DETAIL
SCALE: 3/4" = 1'-0"



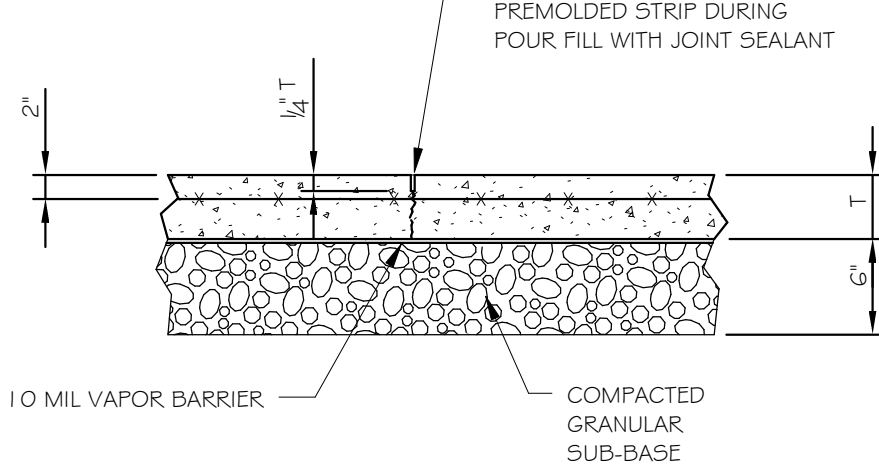
4
5-1.1
TYPICAL WALL FOOTING CORNER DETAIL
SCALE: 3/4" = 1'-0"



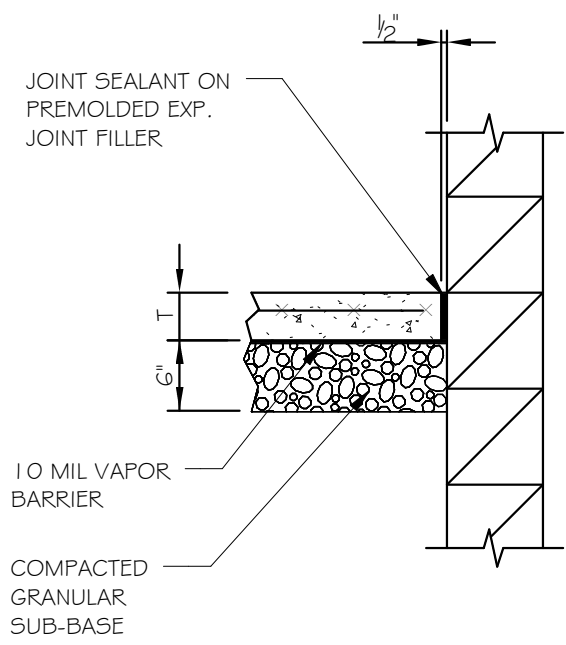
5
5-1.1
TYPICAL CONCRETE PIER DETAIL
SCALE: 3/4" = 1'-0"



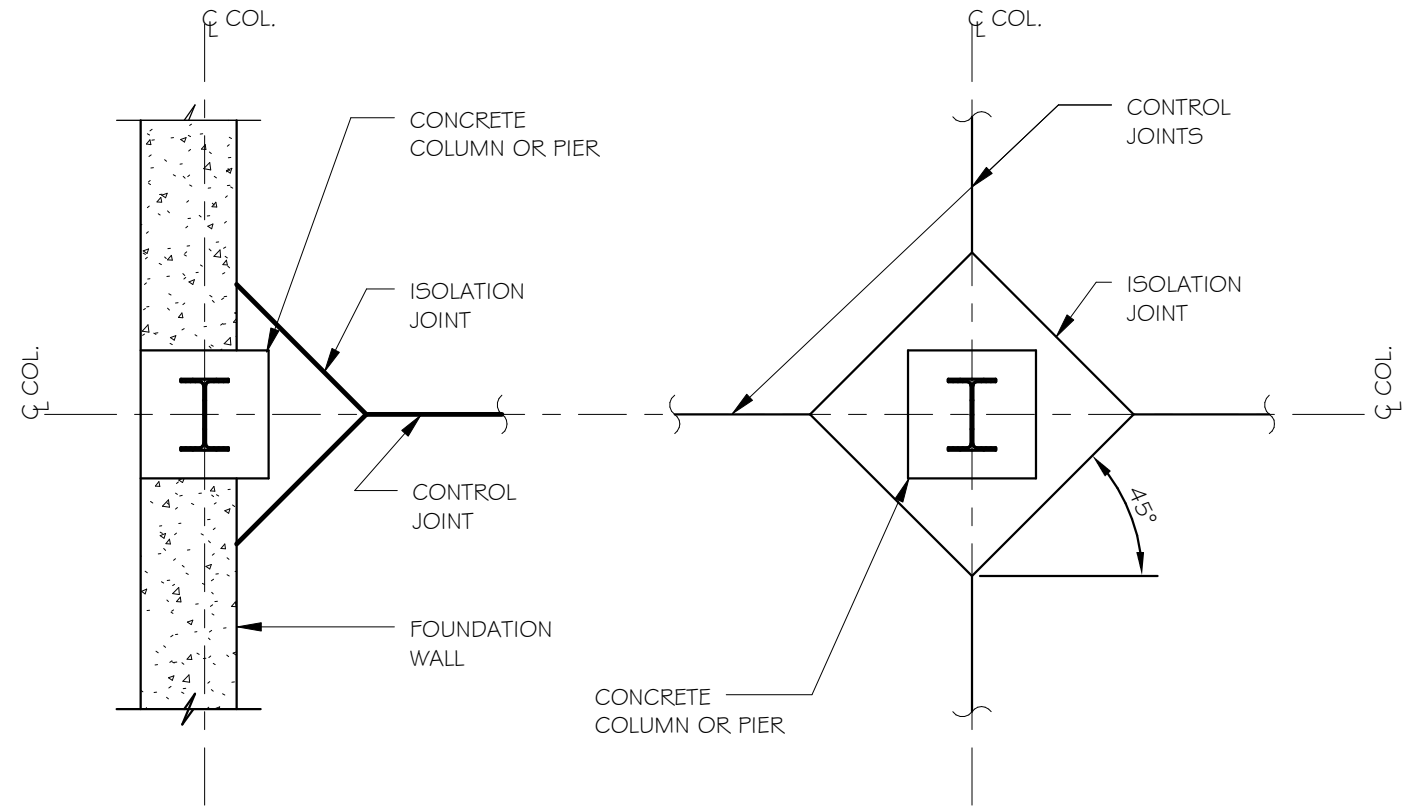
6
5-1.1
TYPICAL CONSTRUCTION JOINT DETAIL
SCALE: 3/4" = 1'-0"



7
5-1.1
TYPICAL CONTROL JOINT DETAIL
SCALE: 3/4" = 1'-0"

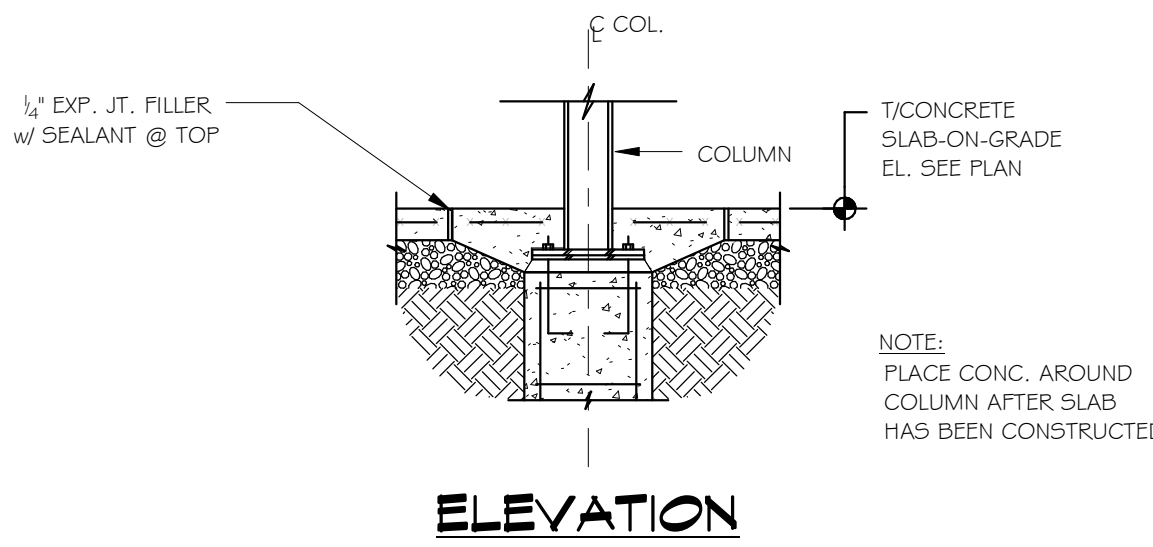


8
5-1.1
TYPICAL ISOLATION JOINT DETAIL
SCALE: 3/4" = 1'-0"



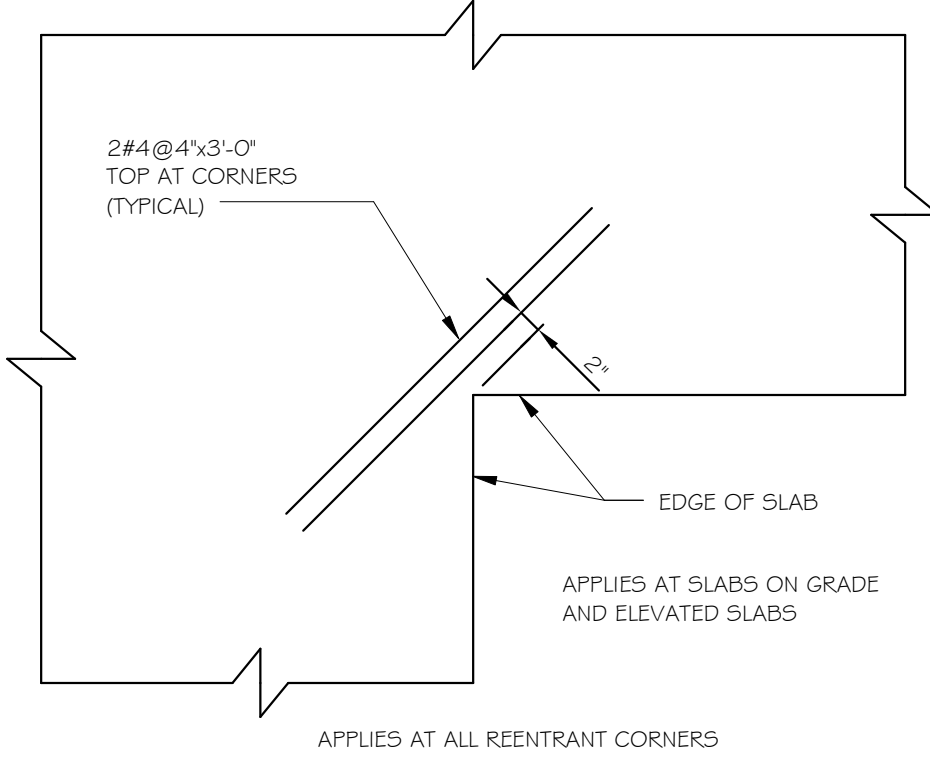
PLAN VIEW AT EXTERIOR COLUMN

PLAN VIEW AT INTERIOR COLUMN

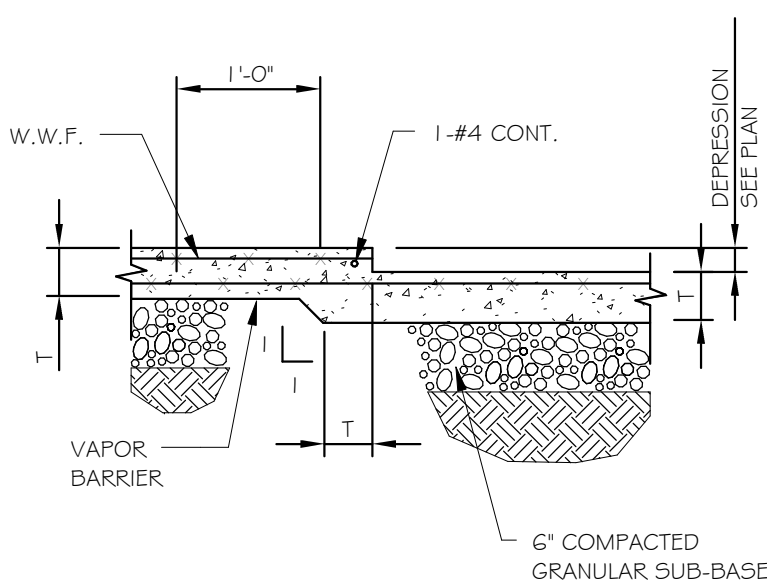


ELEVATION

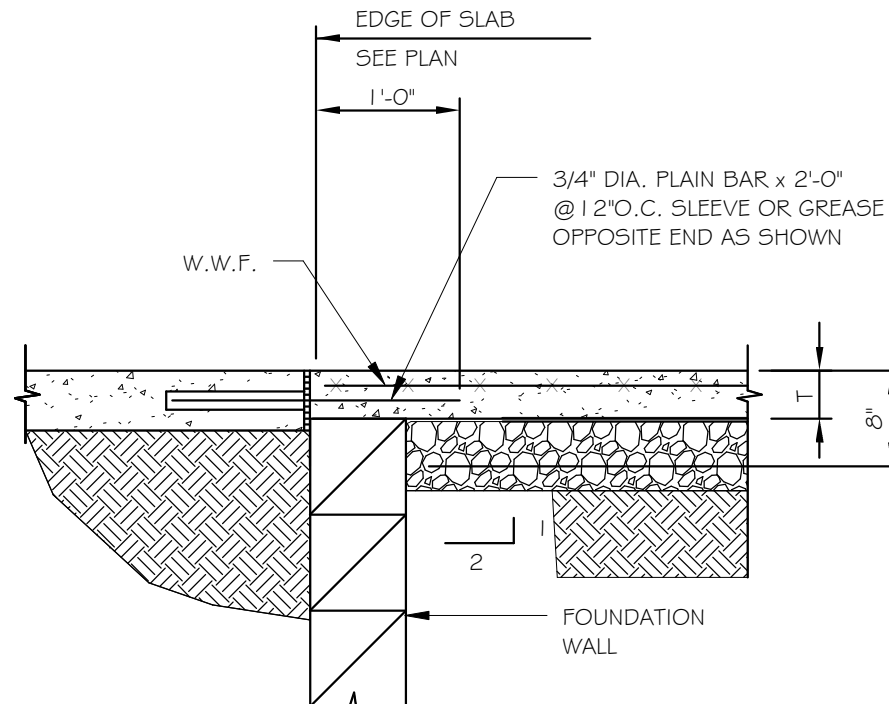
TYPICAL SLAB-ON-GRADE ISOLATION JOINT AT COLUMN DETAIL
SCALE: 3/4" = 1'-0"



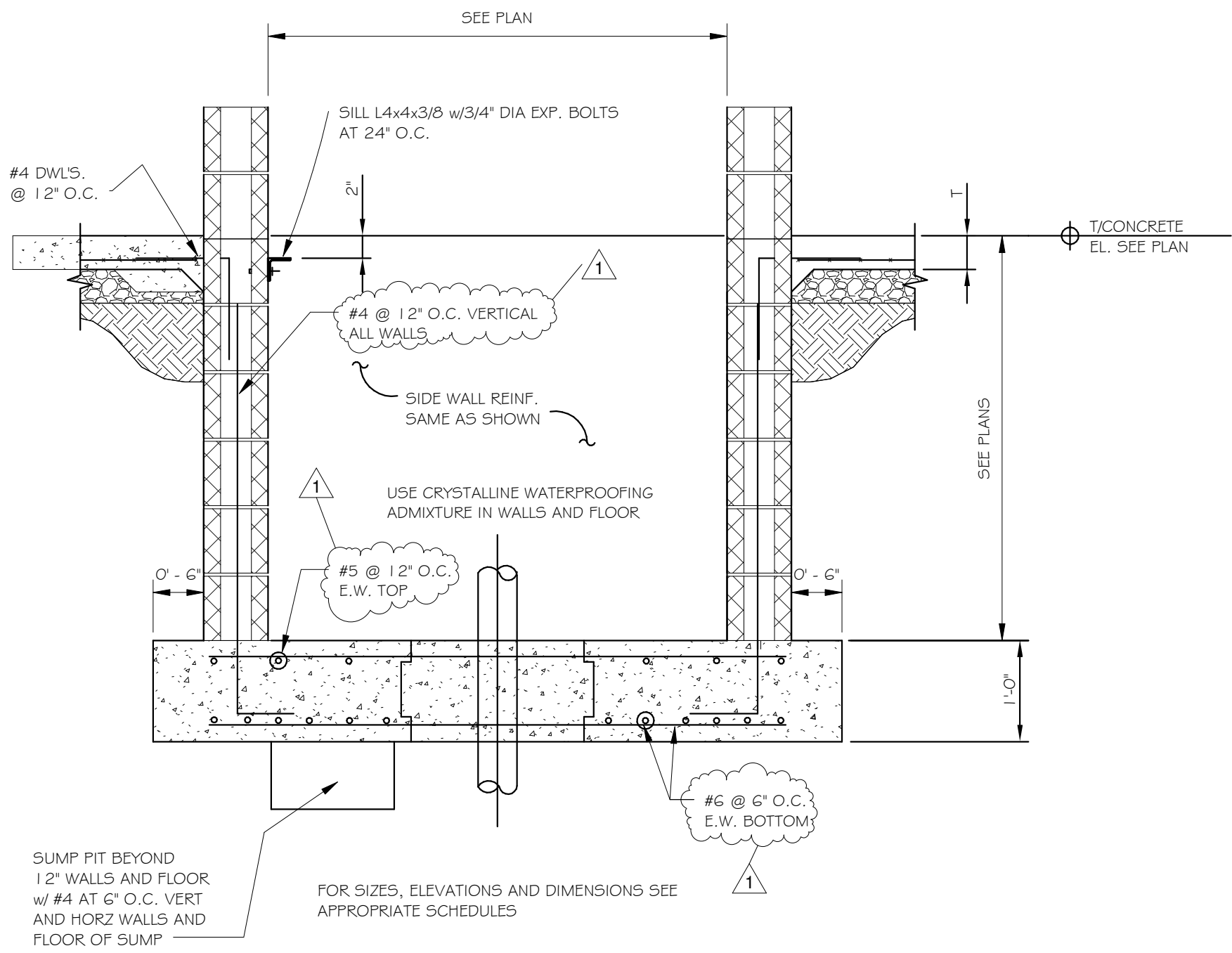
9
5-1.1
TYPICAL REINFORCING AT RE-ENTRANT CORNERS
SCALE: 3/4" = 1'-0"



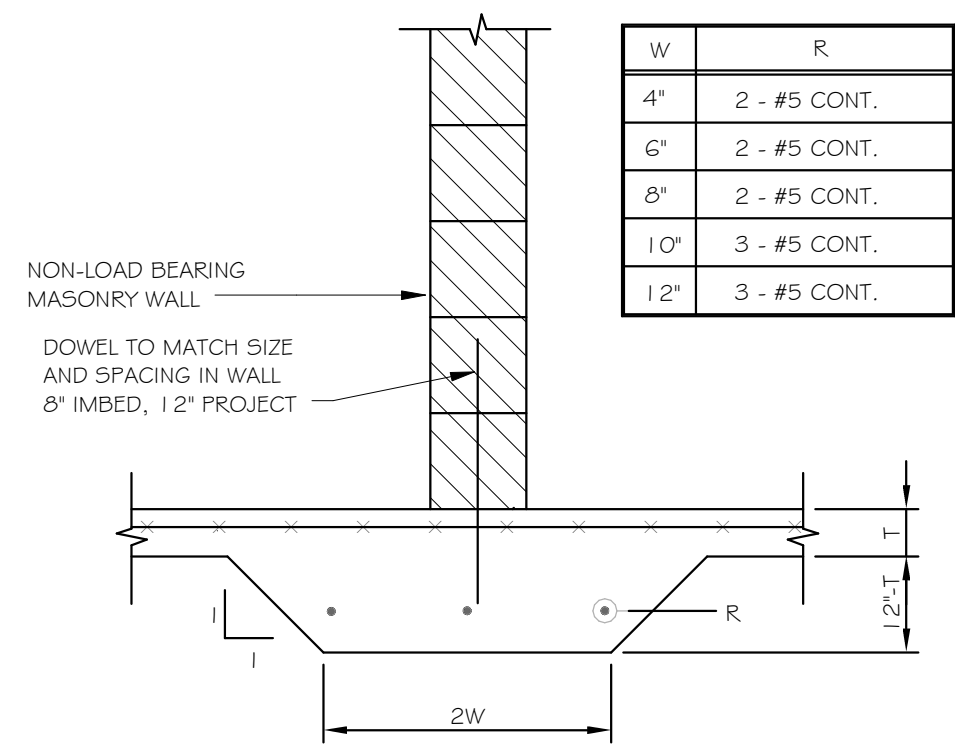
10
5-1.1
TYPICAL SLAB-ON-GRADE DEPRESSION DETAIL
SCALE: 3/4" = 1'-0"



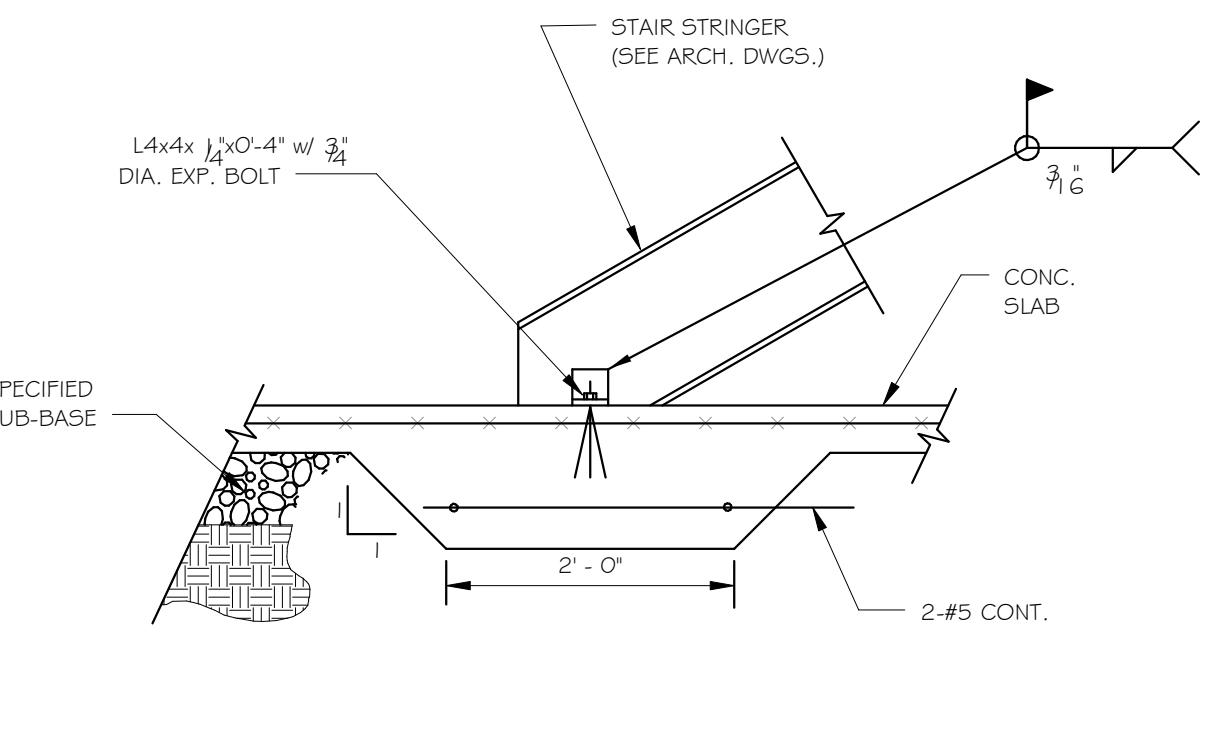
11
5-1.1
TYPICAL SLAB-ON-GRADE ENTRY DETAIL
SCALE: 3/4" = 1'-0"



13
5-1.1
TYPICAL ELEVATOR PIT DETAIL
SCALE: 3/4" = 1'-0"



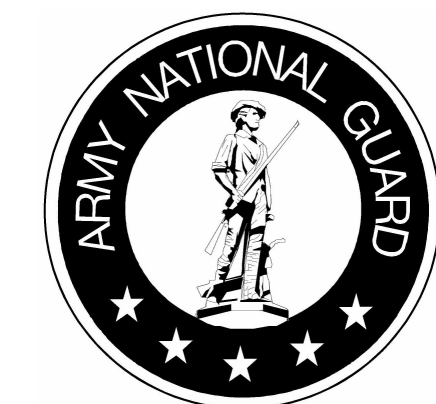
14
5-1.1
TYPICAL THICKENED CONCRETE SLAB-ON-GRADE DETAIL
SCALE: 3/4" = 1'-0"



15
5-1.1
TYPICAL THICKENED SLAB-ON-GRADE AT STAIR STRINGER DETAIL
SCALE: 3/4" = 1'-0"



Omni Associates - Architects, Inc.
1543 Falmont Avenue • Falmont, WV 26544
Voice 304.267.1417 • omniassociates.com



BUCKHANNON AFRC

Buckhannon, WV

FOUNDATION DETAILS

DRAWN BY: Author

PROJECT ISSUE DATE: JUNE 28, 2012

SHEET ISSUE DATE: 04/27/12

Drawing Revisions

No.	Date
1	Addn #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020

ARCHITECT CAD NUMBER: 21020 S-1.2

APPROVED DRAWING USE:

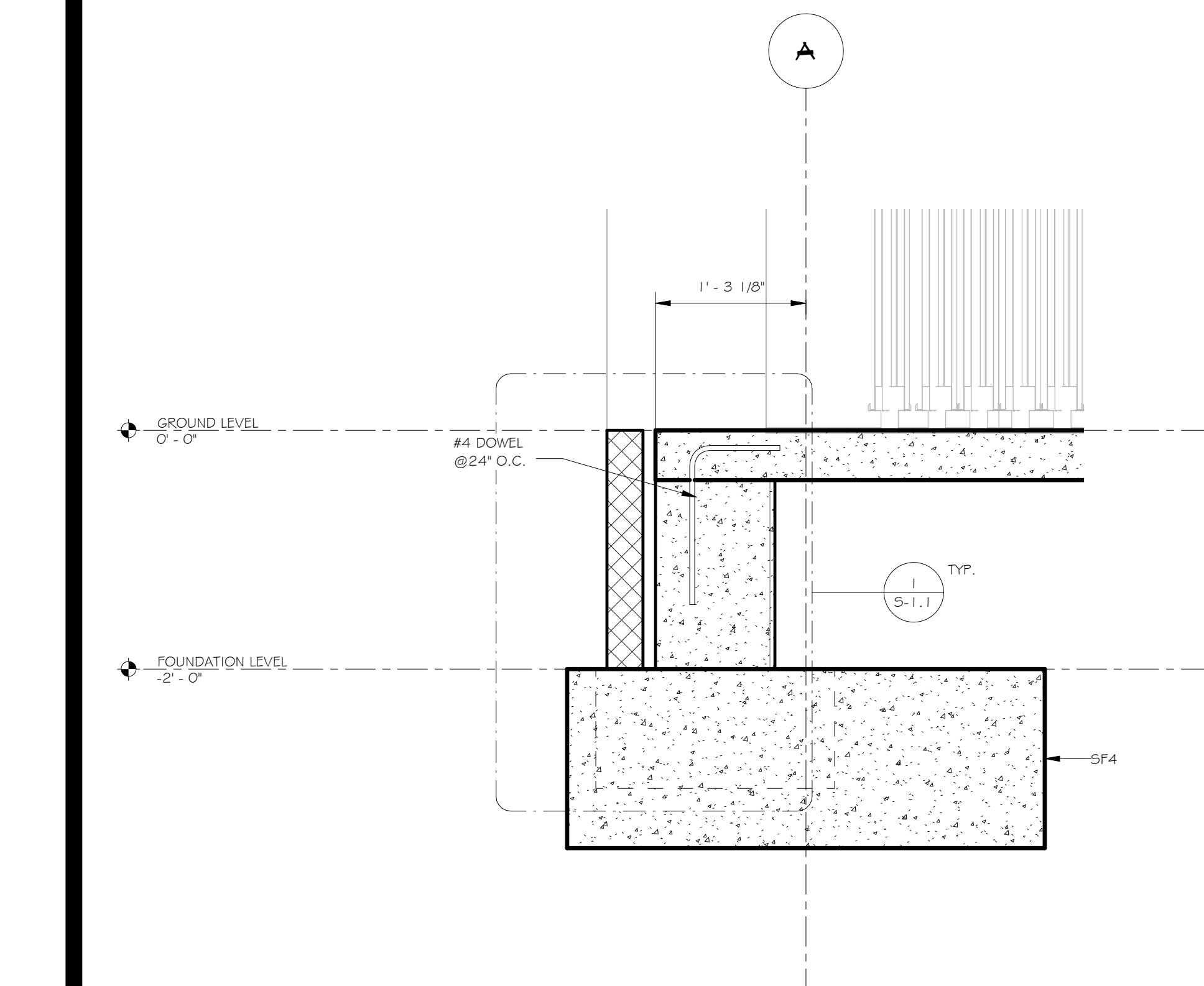
- DESIGN DEVELOPMENT
- ☐ PROGRESS
- ☐ PERMIT ACQUISITION
- ☐ FOR BIDDING
- ☒ CONSTRUCTION DOCUMENT



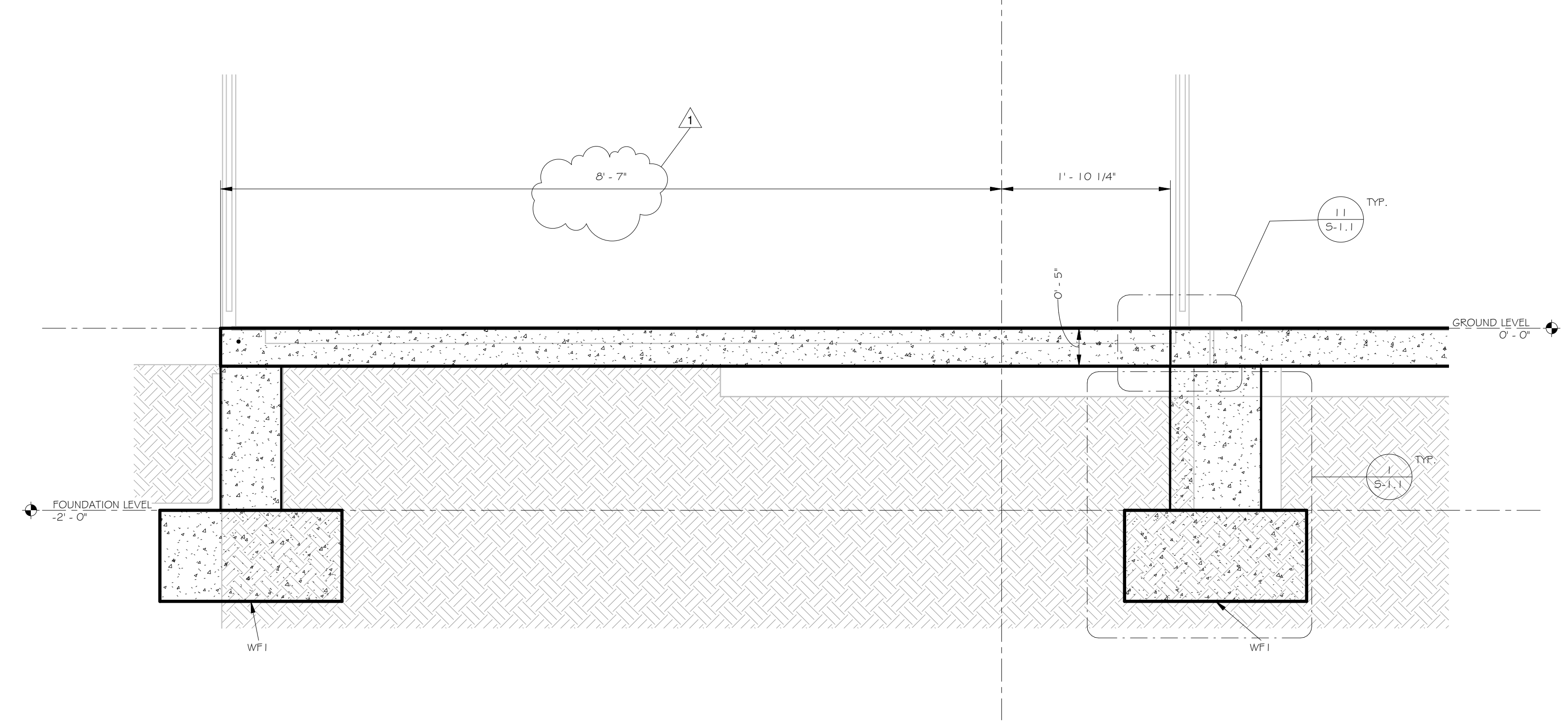
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SHEET NO.

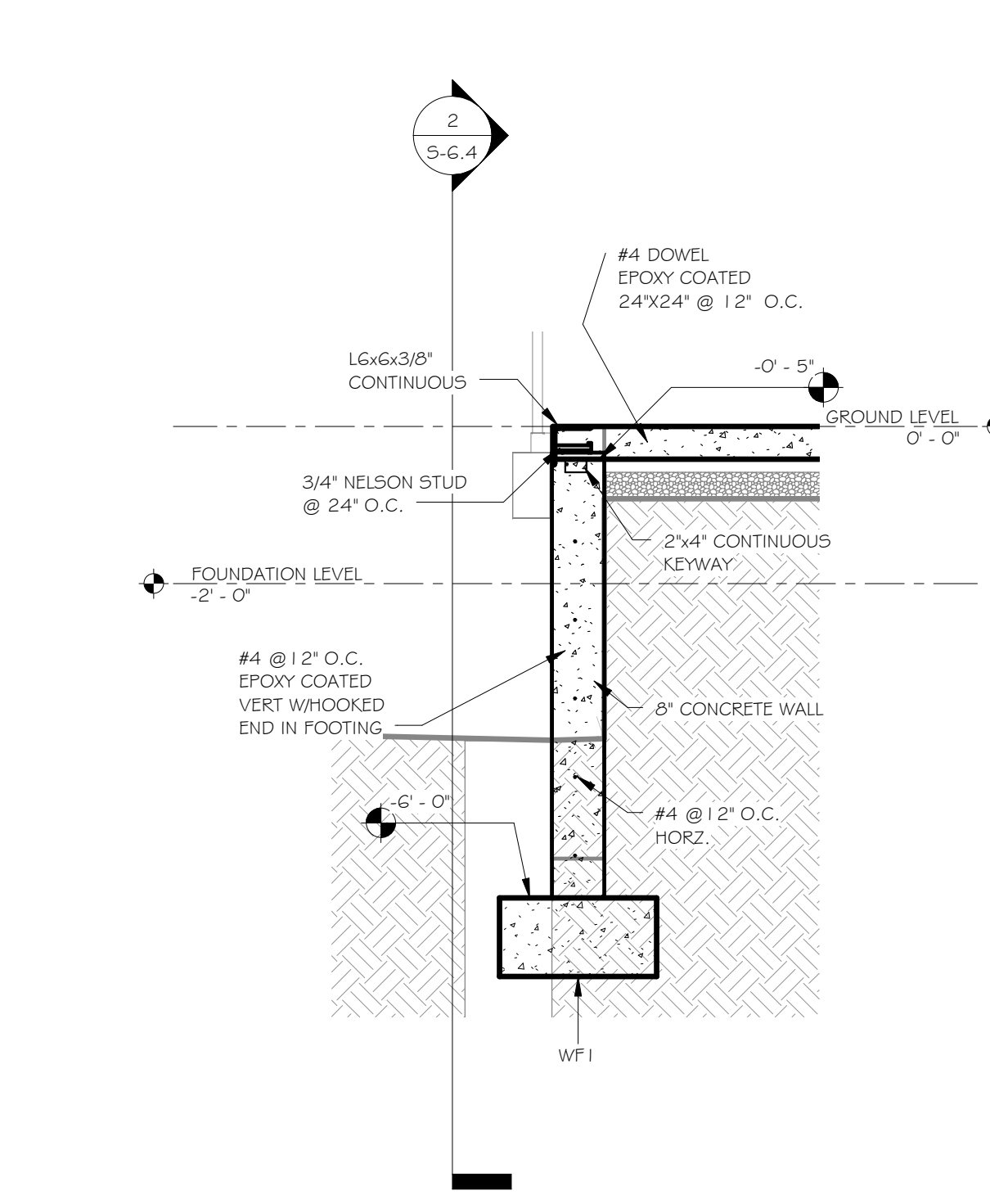
S-1.2



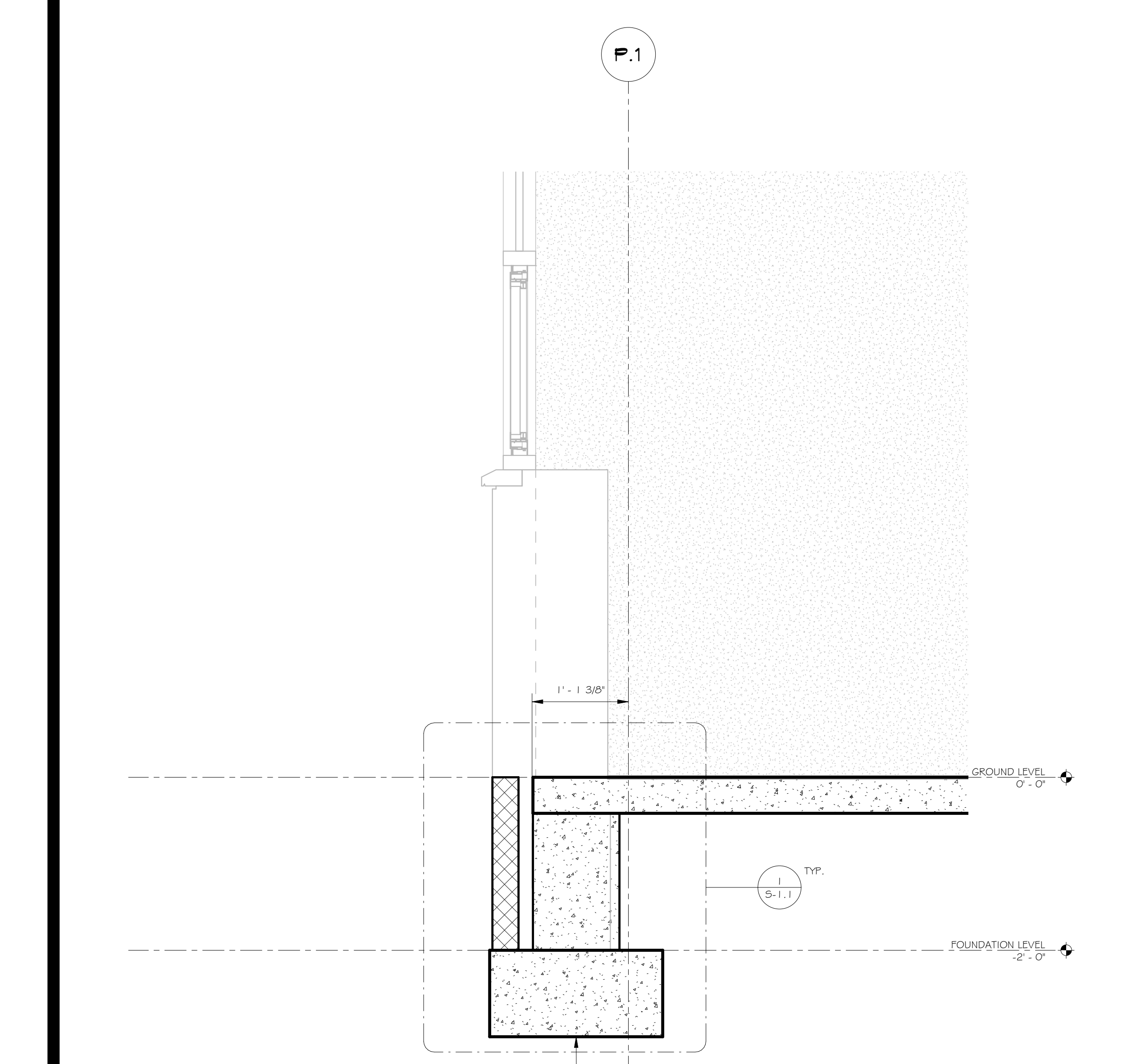
1
S-1.2
FOUNDATION AT PARTITION ENCLOSURES
SCALE: 1" = 1'-0"



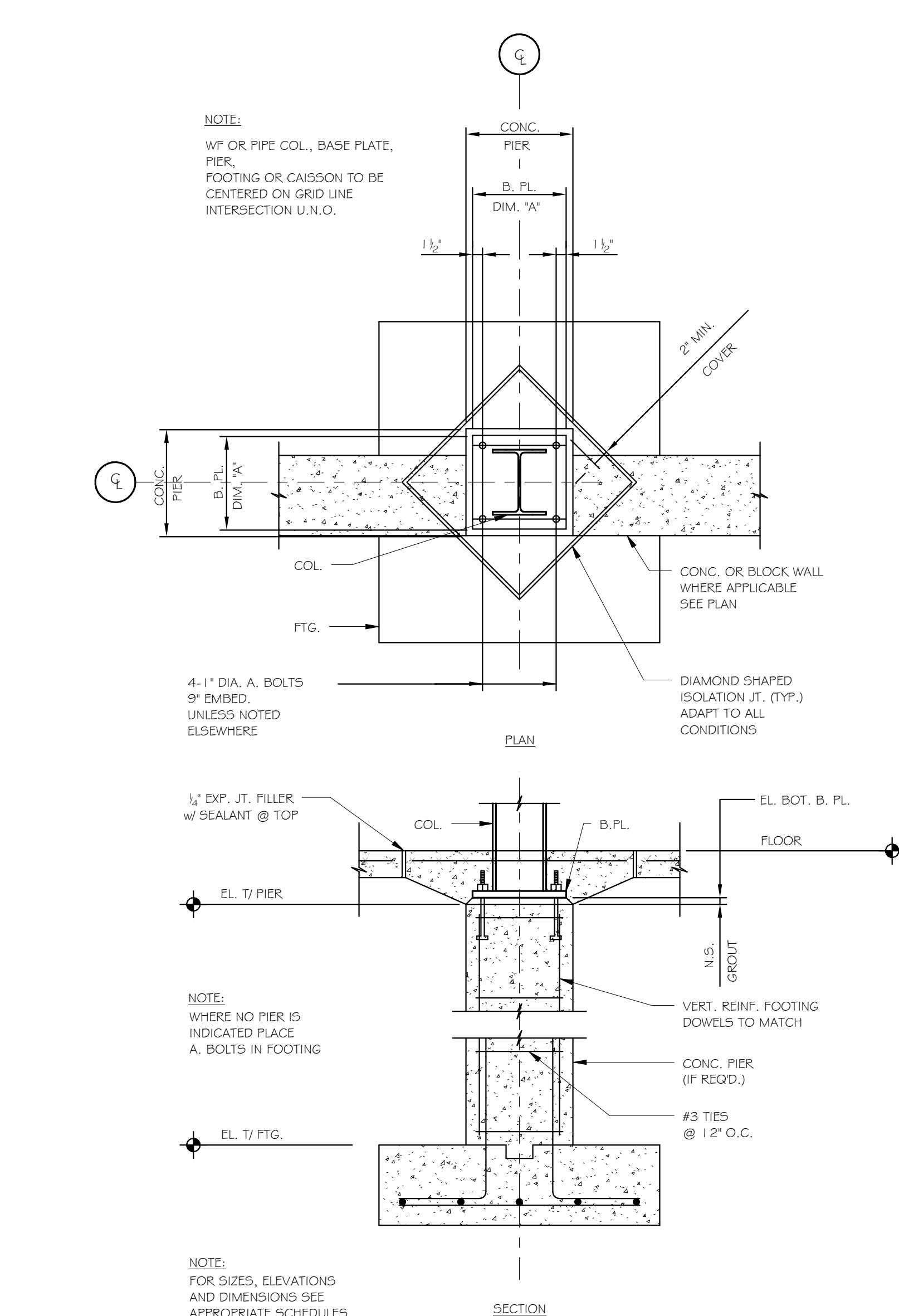
2
S-1.2
FOUNDATION SECTION AT ENTRANCE
SCALE: 1" = 1'-0"



5
S-1.2
LOADING DOCK WALL
SCALE: 1/2" = 1'-0"



3
S-1.2
LINE P.1 FOUNDATION SECTION
SCALE: 1" = 1'-0"



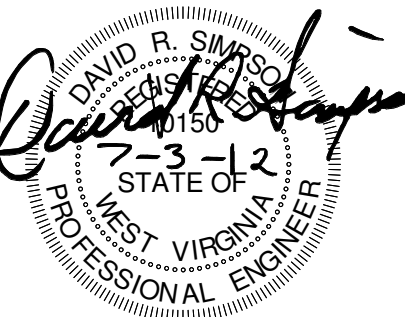
4
S-1.2
TYPICAL COLUMN BASE AT SPREAD FOOTING DETAIL
SCALE: 3/4" = 1'-0"



DRAWN BY: Author	
PROJECT ISSUE DATE: JUNE 28, 2012	
SHEET ISSUE DATE: 03/14/12	
Drawing Revisions	
No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-2.0

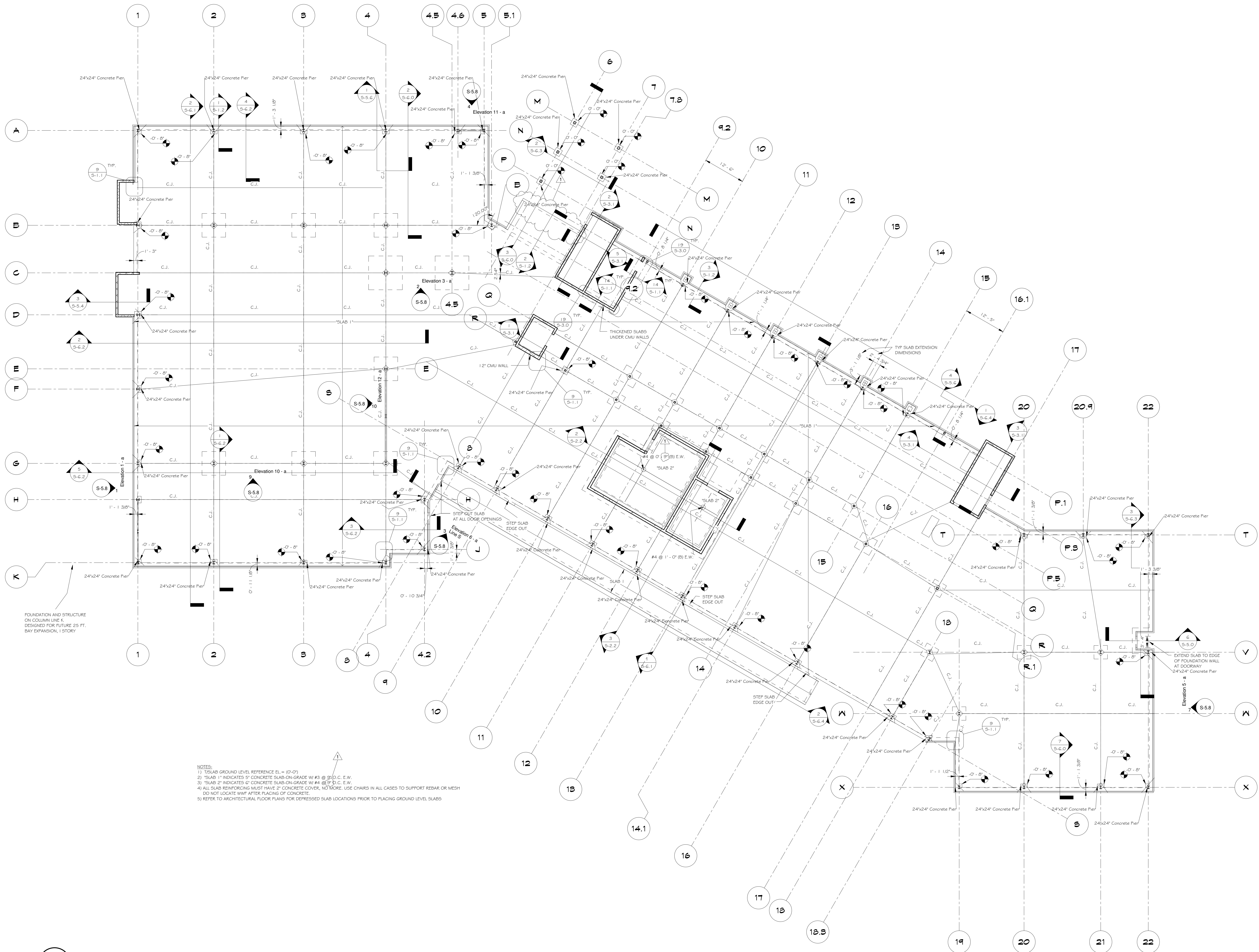
APPROVED DRAWING USE:	
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SHEET NO.

S-2.0



NOTES:
1) TYPICAL GROUND LEVEL REFERENCE EL. = (0'-0")
2) SLAB 1" INDICATES 5" CONCRETE SLAB-ON-GRADE W/ #3 @ 5" O.C. E.W.
3) SLAB 2" INDICATES 5" CONCRETE SLAB-ON-GRADE W/ #4 @ 5" O.C. E.W.
4) ALL SLAB REINFORCING MUST HAVE 2" CONCRETE COVER, NO MORE. USE CHAIRS IN ALL CASES TO SUPPORT REBAR OR MESH. DO NOT LOCATE W/F AFTER PLACING OF CONCRETE.
5) REFER TO ARCHITECTURAL FLOOR PLANS FOR DERESSED SLAB LOCATIONS PRIOR TO PLACING GROUND LEVEL SLABS

1
GROUND LEVEL
SCALE: 3/32" = 1'-0"



BUCKHANNON AFRC

Buckhannon, WV

SECOND FLOOR/LOW ROOF

DRAWN BY: Author
PROJECT ISSUE DATE: JUNE 28, 2012
SHEET ISSUE DATE: 03/14/12

No.	Date
1	Addendum #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-2.1

APPROVED DRAWING USE:

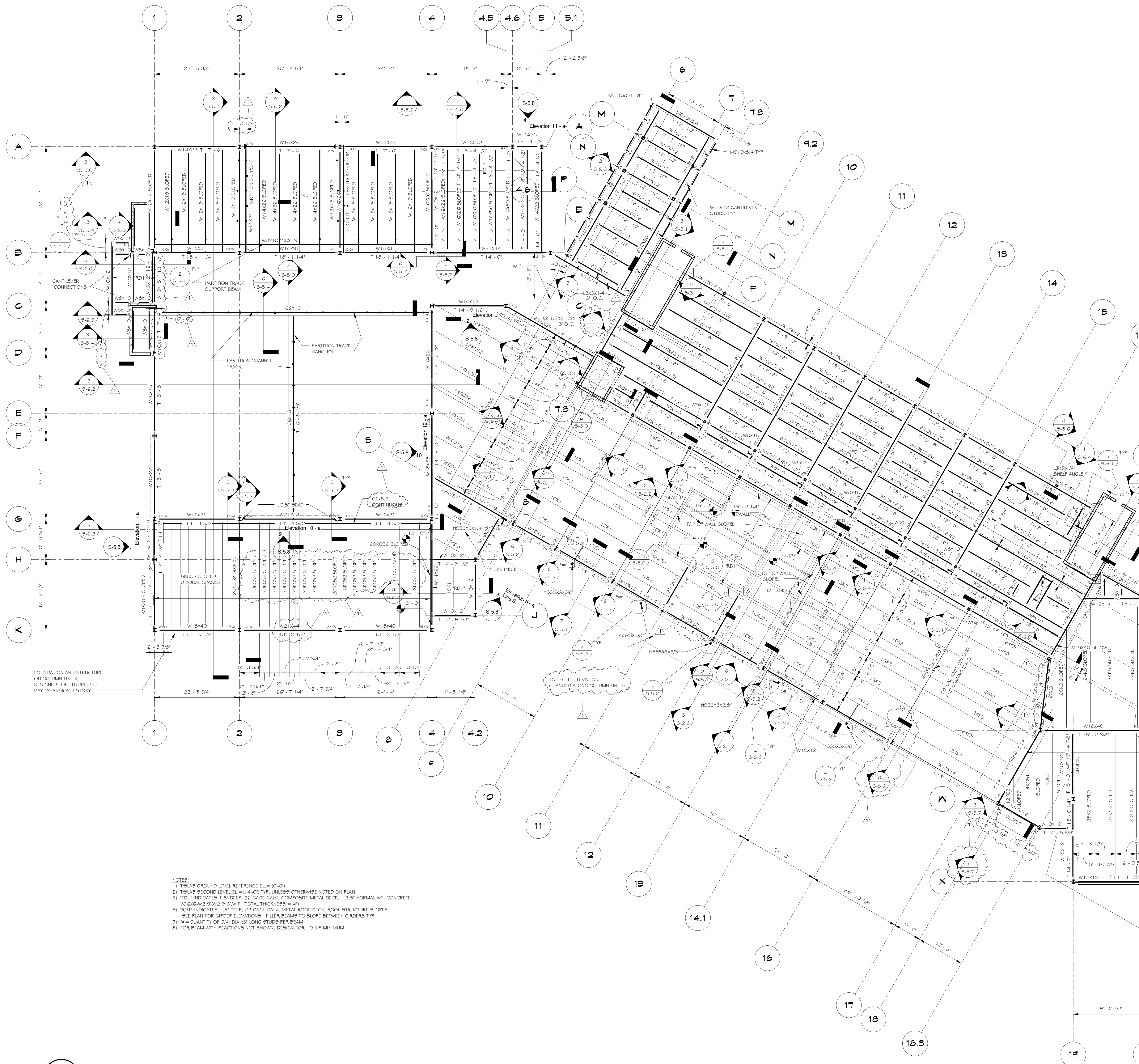
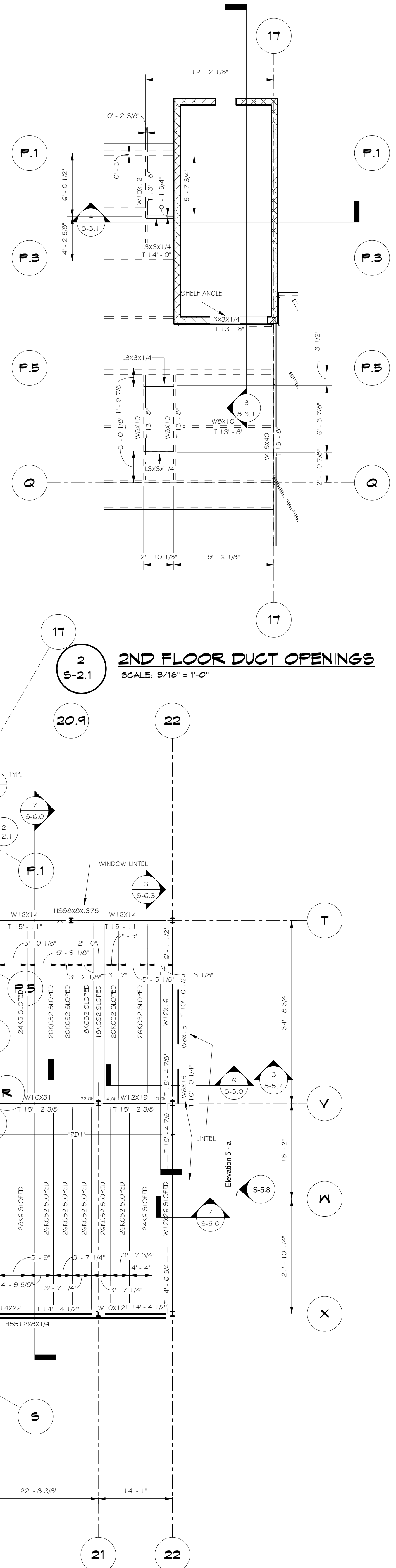
- DESIGN DEVELOPMENT
PROGRESS
PERMIT ACQUISITION
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DAVID R. SWANSON
REGISTERED PROFESSIONAL ENGINEER
STATE OF WEST VIRGINIA
No. 15555
Exp. 12/31/15

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SHEET NO.

S-2.1



- NOTES:
- 1) T/S LAB GROUND LEVEL REFERENCE EL. = (0'-0")
 - 2) T/S LAB SECOND LEVEL REFERENCE EL. = (14'-0") TYP. UNLESS OTHERWISE NOTED ON PLAN.
 - 3) RD1 INDICATES 1" DEEP, 22 GAGE GALV. COMPOSITE METAL DECK, +2.5" NORMAL WT. CONCRETE
 - 4) W1 G6-W2.9W-W1.9 (TOTAL THICKNESS = 4")
 - 5) RD1 INDICATES 1" DEEP, 22 GAGE GALV. METAL ROOF DECK, ROOF STRUCTURE SLOPES SEE PLAN FOR GROSS ELEVATIONS. FILLER BEAMS TO SLOPE BETWEEN GIRDERS TYP.
 - 6) #=QUANTITY OF 3/4" DIA x 3" LONG STUDS PER BEAM.
 - 7) FOR BEAM WITH REACTIONS NOT SHOWN, DESIGN FOR 1.0 KIP MINIMUM.

1
S-2.1
SECOND FLOOR FRAMING
SCALE: 3/32" = 1'-0"



BUCKHANNON AFRC

Buckhannon, WV

ARMS STORAGE DETAILS

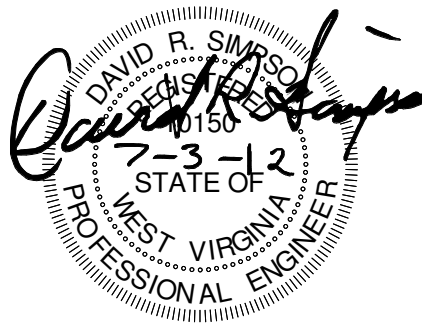
DRAWN BY: Author
PROJECT ISSUE DATE: JUNE 28, 2012
SHEET ISSUE DATE: 07/03/12

Drawing Revisions	
No.	Date
1	Adden #2 (7-30-12)
2	

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-2.2

APPROVED DRAWING USE:

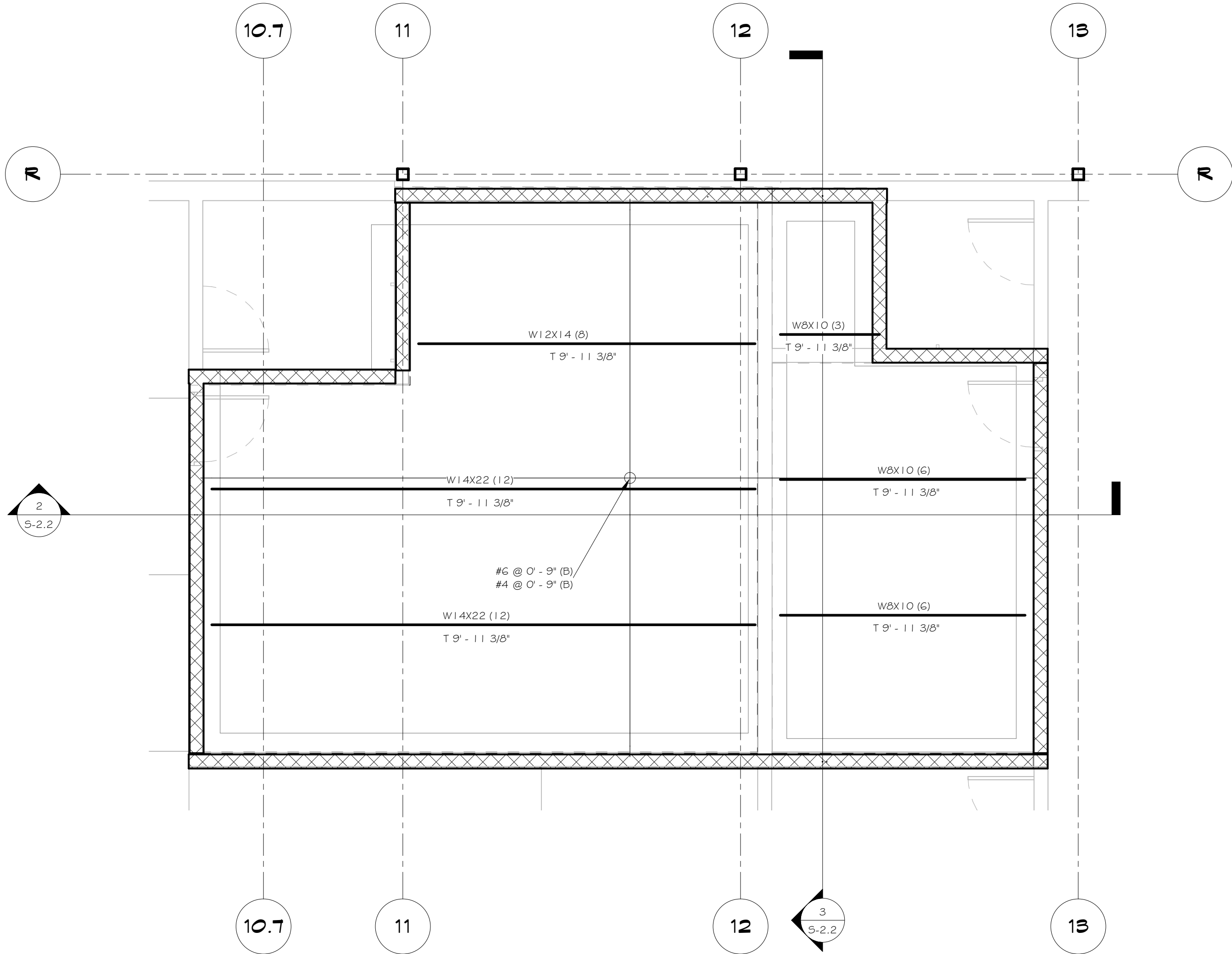
DESIGN DEVELOPMENT
☐ PROGRESS
☐ PERMIT ACQUISITION
☐ FOR BIDDING
☒ CONSTRUCTION DOCUMENT



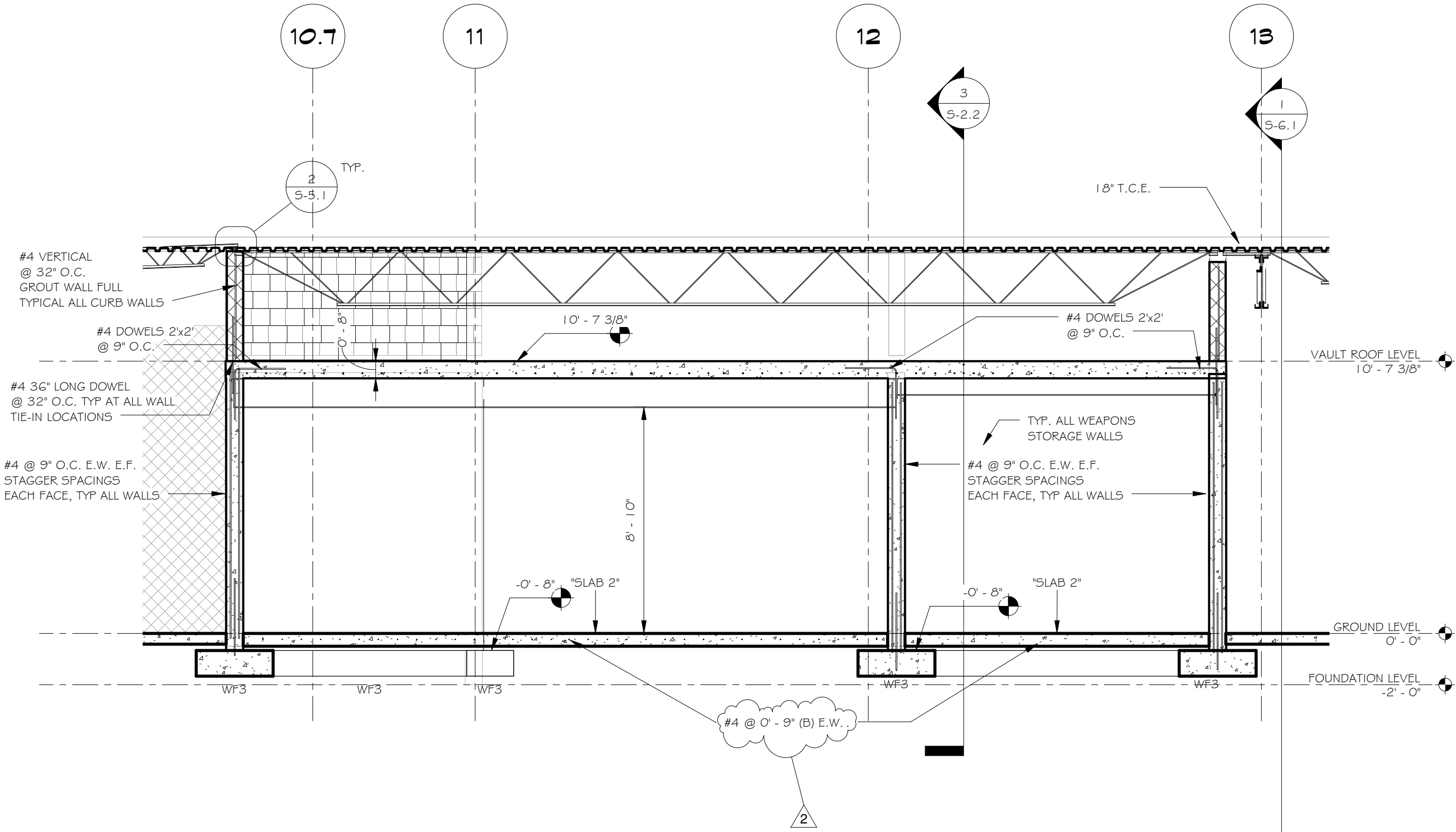
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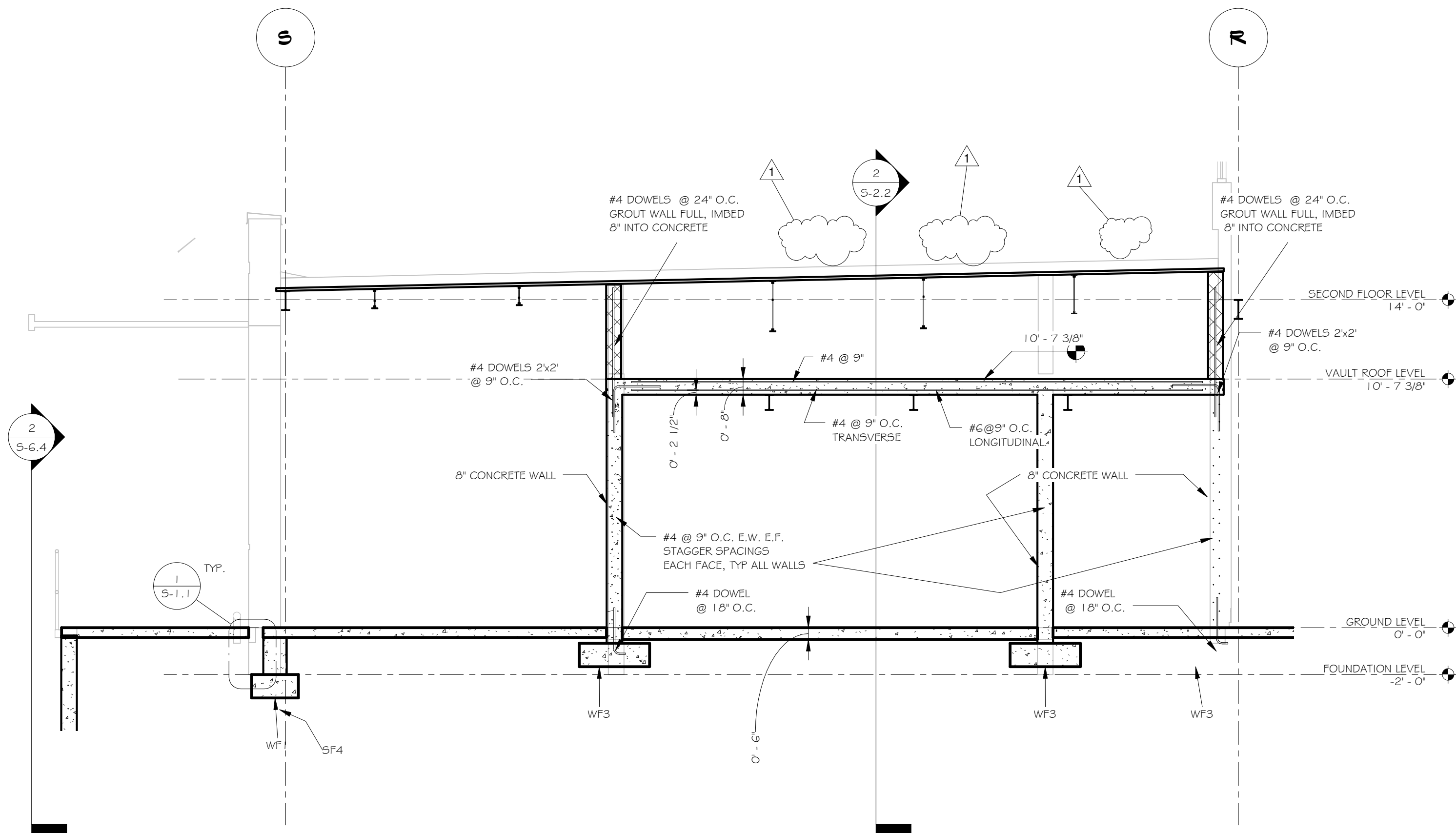
S-2.2



1
S-2.2
4VAULT CEILING PLAN
SCALE: 1/4" = 1'-0"



2
S-2.2
VAULT SECTION
SCALE: 1/4" = 1'-0"



3
S-2.2
LOADING DOCK AND
WEAPONS STORAGE SECTION
SCALE: 1/4" = 1'-0"



BUCKHANNON AFRC

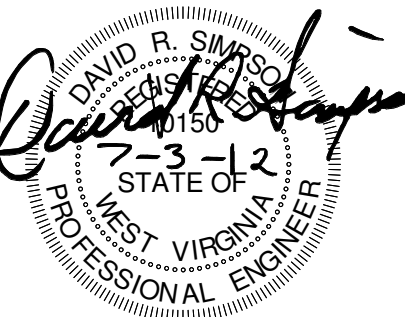
Buckhannon, WV

MASONRY WALL SECTIONS/
ELEVATIONS

DRAWN BY: Author	
PROJECT ISSUE DATE: JUNE 28, 2012	
SHEET ISSUE DATE: 04/24/12	
Drawing Revisions	
No.	Date
1	Adden #2 (17-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S3.1

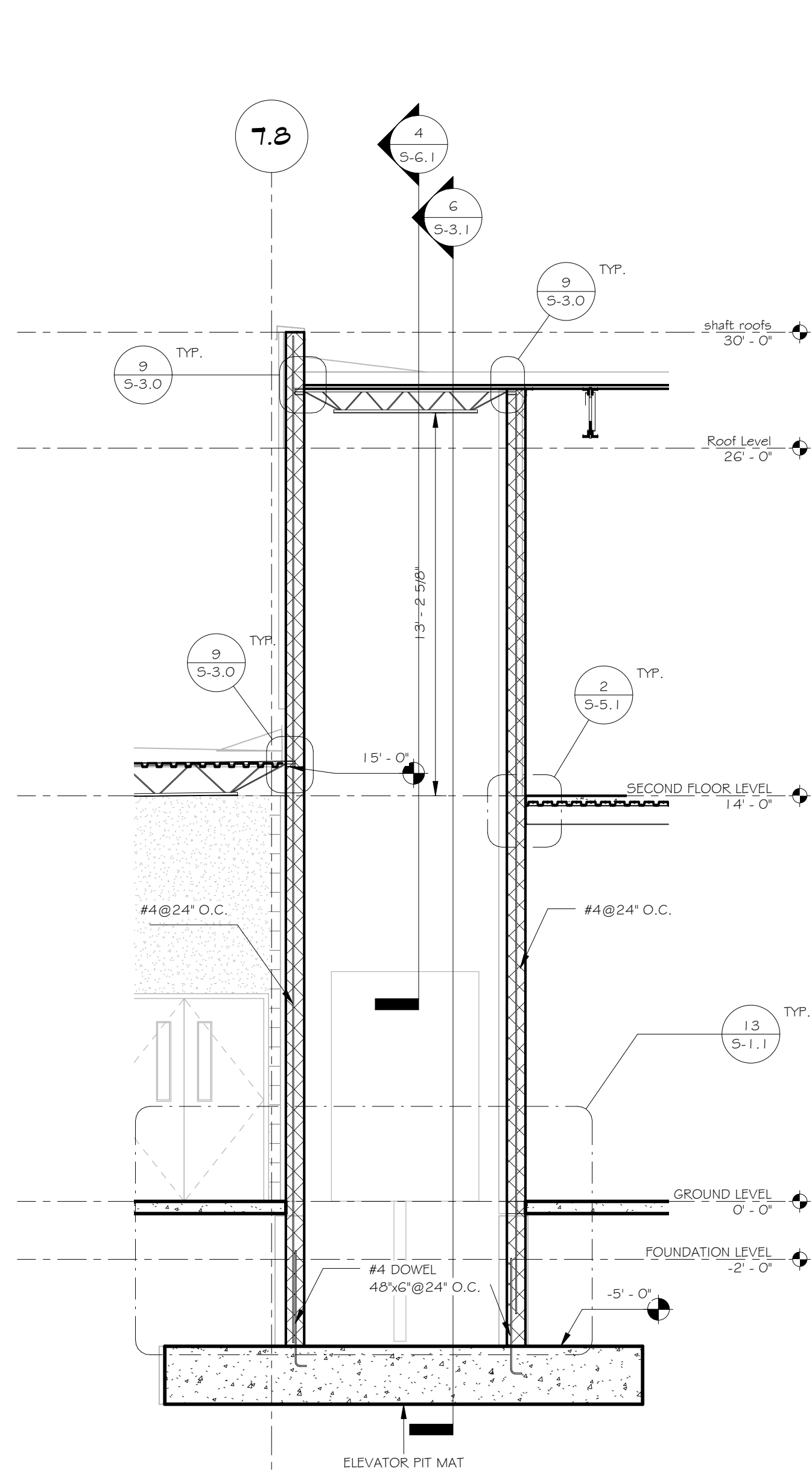
APPROVED DRAWING USE:	
DESIGN DEVELOPMENT	
PROGRESS	
PERMIT ACQUISITION	
FOR BIDDING	
CONSTRUCTION DOCUMENT	



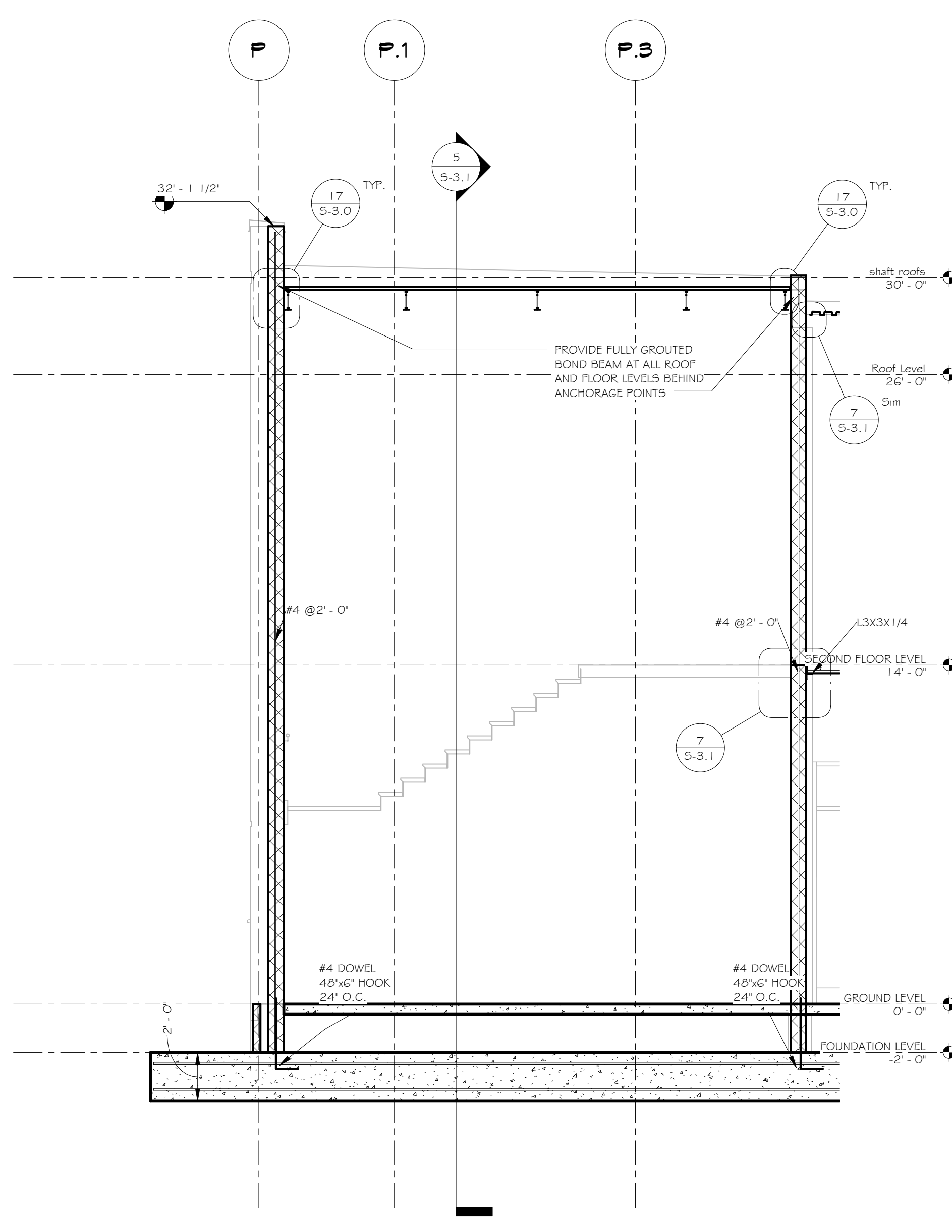
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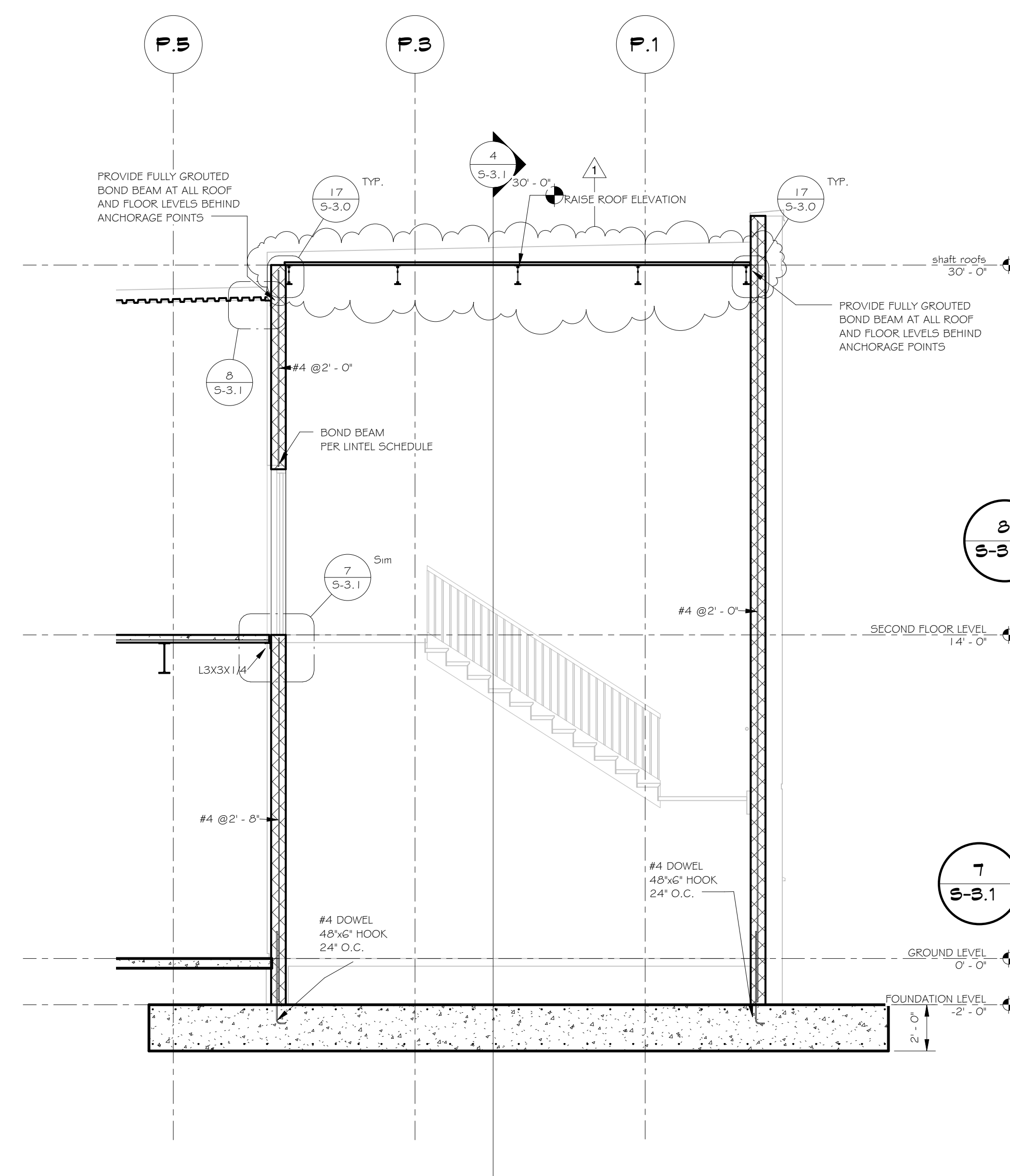
S-3.1



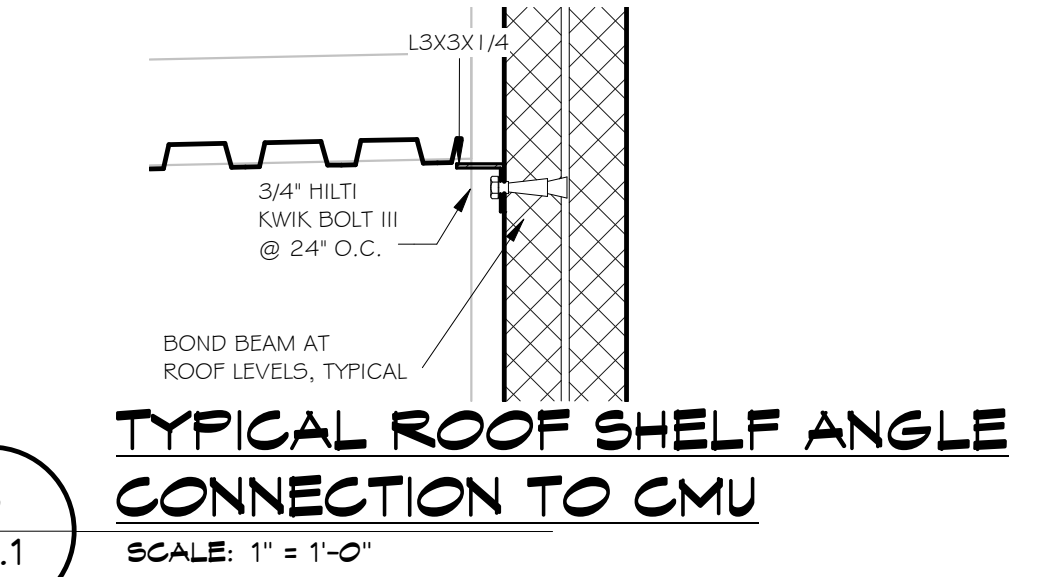
1
S-3.1
ELEVATOR SHAFT SECTION
SCALE: 1/4" = 1'-0"



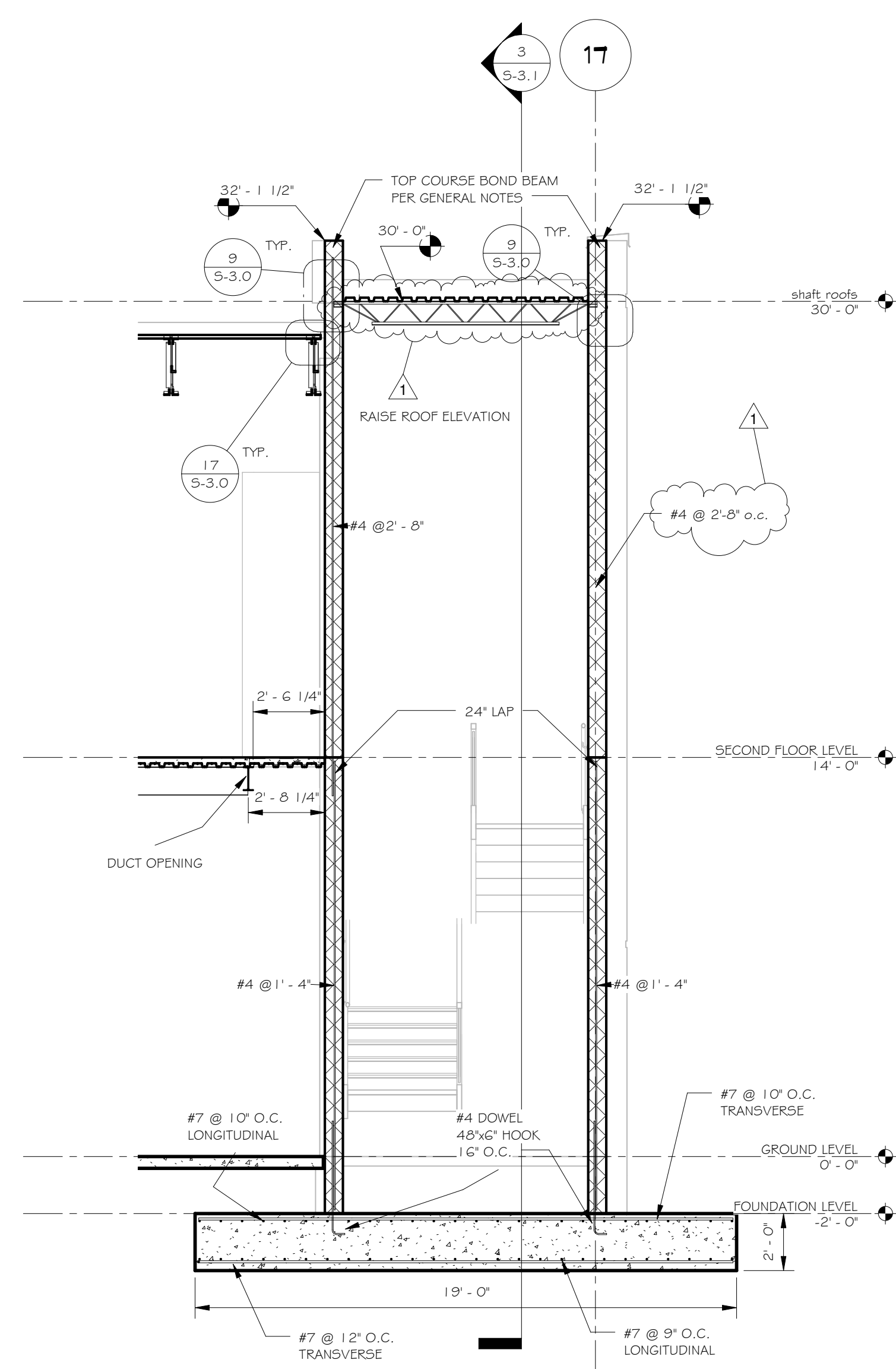
2
S-3.1
STAIR "ST1" LONGITUDINAL SECTION
SCALE: 1/4" = 1'-0"



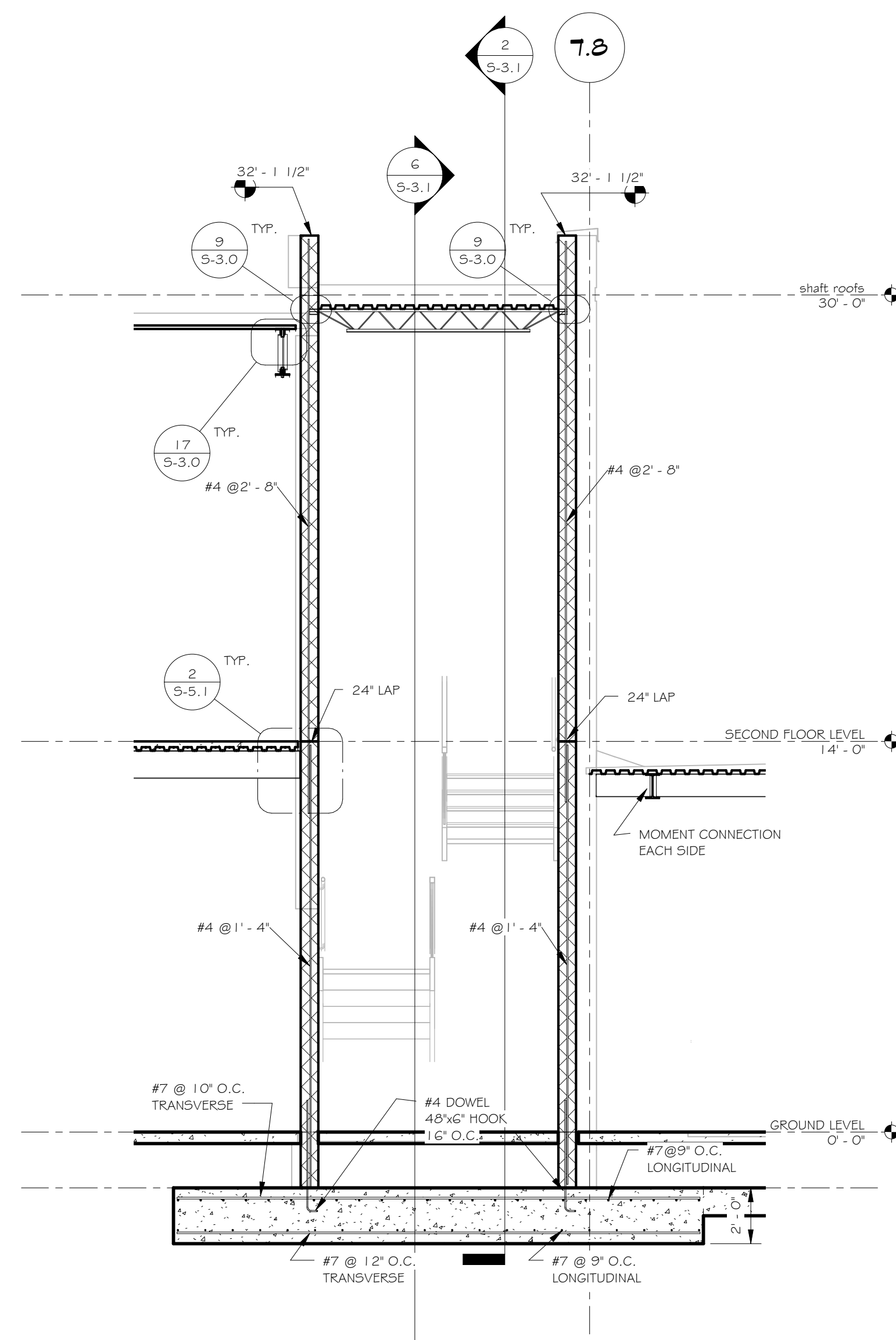
3
S-3.1
STAIR "ST 2" LONGITUDINAL SECTION
SCALE: 1/4" = 1'-0"



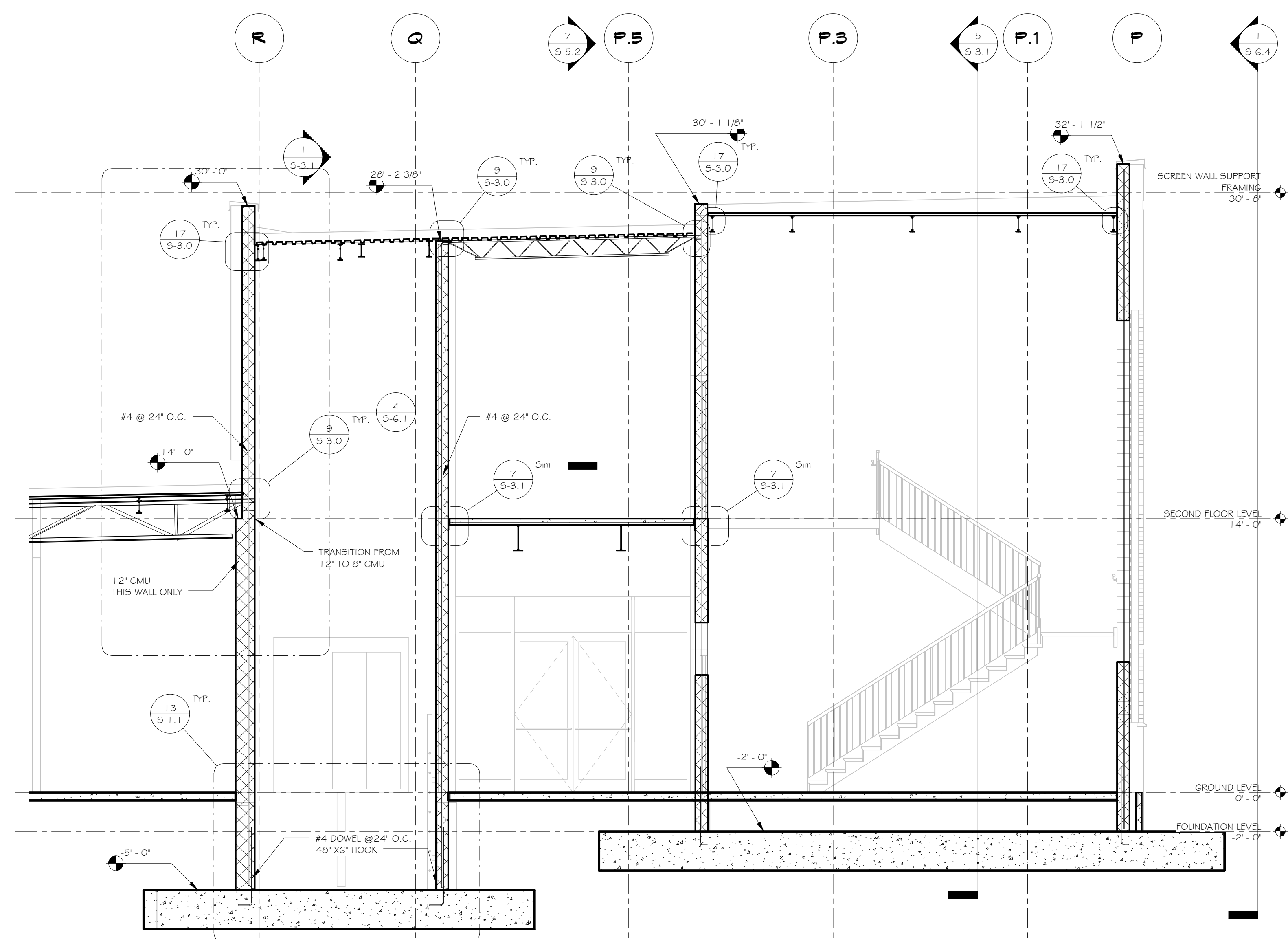
7
S-3.1
TYPICAL SHELF ANGLE TO CMU WALLS
SCALE: 3/4" = 1'-0"



4
S-3.1
STAIR "ST 2" TRANSVERSE SECTION
SCALE: 1/4" = 1'-0"



5
S-3.1
STAIR "ST 1" TRANSVERSE SECTION
SCALE: 1/4" = 1'-0"



6
S-3.1
ELEVATOR/STAIR SECTION
SCALE: 1/4" = 1'-0"



BUCKHANNON AFRC

Buckhannon, WV

COLUMN SCHEDULE

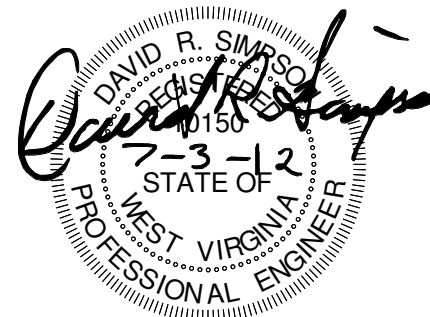
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PROJECT ISSUE DATE: JUNE 28, 2012
SHEET ISSUE DATE: 05/22/12

Drawing Revisions	
No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-4.0

APPROVED DRAWING USE:

- DESIGN DEVELOPMENT
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SHEET NO.
S-4.0

COLUMN SCHEDULE

SCREEN WALL SUPPORT FRAMING shaft roofs																		SCREEN WALL SUPPORT FRAMING shaft roofs	
30' - 0"	30' - 0"																	30' - 0"	30' - 0"
Roof Level	Roof Level																	Roof Level	Roof Level
20' - 0"	20' - 0"																	20' - 0"	20' - 0"
LOW ROOF	LOW ROOF																	LOW ROOF	LOW ROOF
19' - 0"	19' - 0"																	19' - 0"	19' - 0"
SECOND FLOOR LEVEL	SECOND FLOOR LEVEL																	SECOND FLOOR LEVEL	SECOND FLOOR LEVEL
14' - 0"	14' - 0"																	14' - 0"	14' - 0"
VAULT ROOF LEVEL	VAULT ROOF LEVEL																	VAULT ROOF LEVEL	VAULT ROOF LEVEL
10' - 7.380"	10' - 7.380"																	10' - 7.380"	10' - 7.380"
GROUND LEVEL	GROUND LEVEL																	GROUND LEVEL	GROUND LEVEL
0' - 0"	0' - 0"																	0' - 0"	0' - 0"
-2' - 0"	-2' - 0"																	-2' - 0"	-2' - 0"
Column Locations		A-1, A-2, A-3, A-4	A-4, G, A-5	B-1	B-2	B-3	B-4	B-5, I, G-1	C-4	C-4,5	D-1, F-1	E-4	G-2	G-3	G-4	H-1, S-10, S-11, S-12, S-13, S-14, I, S-16	H-4,2, J,4,2		

COLUMN SCHEDULE

SCREEN WALL SUPPORT FRAMING shaft roofs																		SCREEN WALL SUPPORT FRAMING shaft roofs	
30' - 0"	30' - 0"																	30' - 0"	30' - 0"
Roof Level	Roof Level																	Roof Level	Roof Level
20' - 0"	20' - 0"																	20' - 0"	20' - 0"
LOW ROOF	LOW ROOF																	LOW ROOF	LOW ROOF
19' - 0"	19' - 0"																	19' - 0"	19' - 0"
SECOND FLOOR LEVEL	SECOND FLOOR LEVEL																	SECOND FLOOR LEVEL	SECOND FLOOR LEVEL
14' - 0"	14' - 0"																	14' - 0"	14' - 0"
VAULT ROOF LEVEL	VAULT ROOF LEVEL																	VAULT ROOF LEVEL	VAULT ROOF LEVEL
10' - 7.38'	10' - 7.38'																	10' - 7.38'	10' - 7.38'
GROUND LEVEL	GROUND LEVEL																	GROUND LEVEL	GROUND LEVEL
0' - 0"	0' - 0"																	0' - 0"	0' - 0"
-2' - 0"	-2' - 0"																	-2' - 0"	-2' - 0"
Column Locations	Column Locations	K-1, K-2, K-3	K-4	M-6, M-7	N-6, N-7, P-6	P-1 (0' - 8 1/4")-9,2	P-1-10, P-1-11, P-1-12, P-1-13, P-1-14, P-1-15	P-1 (0' - 8 1/4")-16,1	P-2-10, P-2-11, P-2-12, P-2-13, P-2-14, P-2-15	P-3-10, P-3-10,7	P-3-11, P-3-12, P-3-13, P-3-14, P-3-14,2, P-3-15	P-5-10, P-5-10,7, P-5-14,2, P-5-15	Q-10	Q-10,7	Q-11, Q-12, Q-13, Q-14	Q-14,2	Q-15		

COLUMN SCHEDULE

COLUMN SCHEDULE																					
SCREEN WALL SUPPORT FRAMING SHAFT ROOF																				SCREEN WALL SUPPORT FRAMING SHAFT ROOF	
30' - 0" 30' - 0" Roof Level																				30' - 0" 30' - 0" Roof Level	
20' - 0"																				20' - 0"	
LOW ROOF																				LOW ROOF	
19' - 0"																				19' - 0"	
SECOND FLOOR LEVEL																				SECOND FLOOR LEVEL	
14' - 0" VAULT ROOF LEVEL																				14' - 0" VAULT ROOF LEVEL	
10' - 7.380"																				10' - 7.380"	
GROUND LEVEL																				GROUND LEVEL	
DISBURSATION LEVEL 0' - 0"																				DISBURSATION LEVEL 0' - 0"	
-2' - 0"																				-2' - 0"	
Column Locations																					
R-7,8		R-9																		R-10, R-11, R-12, R-13, R-14, R-16	
		R-1-17																		S-8	
		S-9																		S-18, X-19, X-20, X-21, X-22	
		S-18,3																		T-20, T-22	
		T-20,9																		V-18	
		V-20, V-21																		V-22	
		W-19																			

NO CHANGES OTHER THAN
TOP ELEVATIONS +/- A COUPLE
OF INCHES

ALL BOTTOM OF COLUMN ELEVATIONS ARE MEASURED TO THE BOTTOM OF THE BASE PLATE



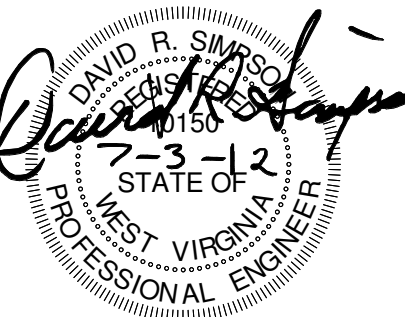
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PROJECT ISSUE DATE: JUNE 28, 2012
SHEET ISSUE DATE: 03/15/12

Drawing Revisions	
No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-5.0

APPROVED DRAWING USE:

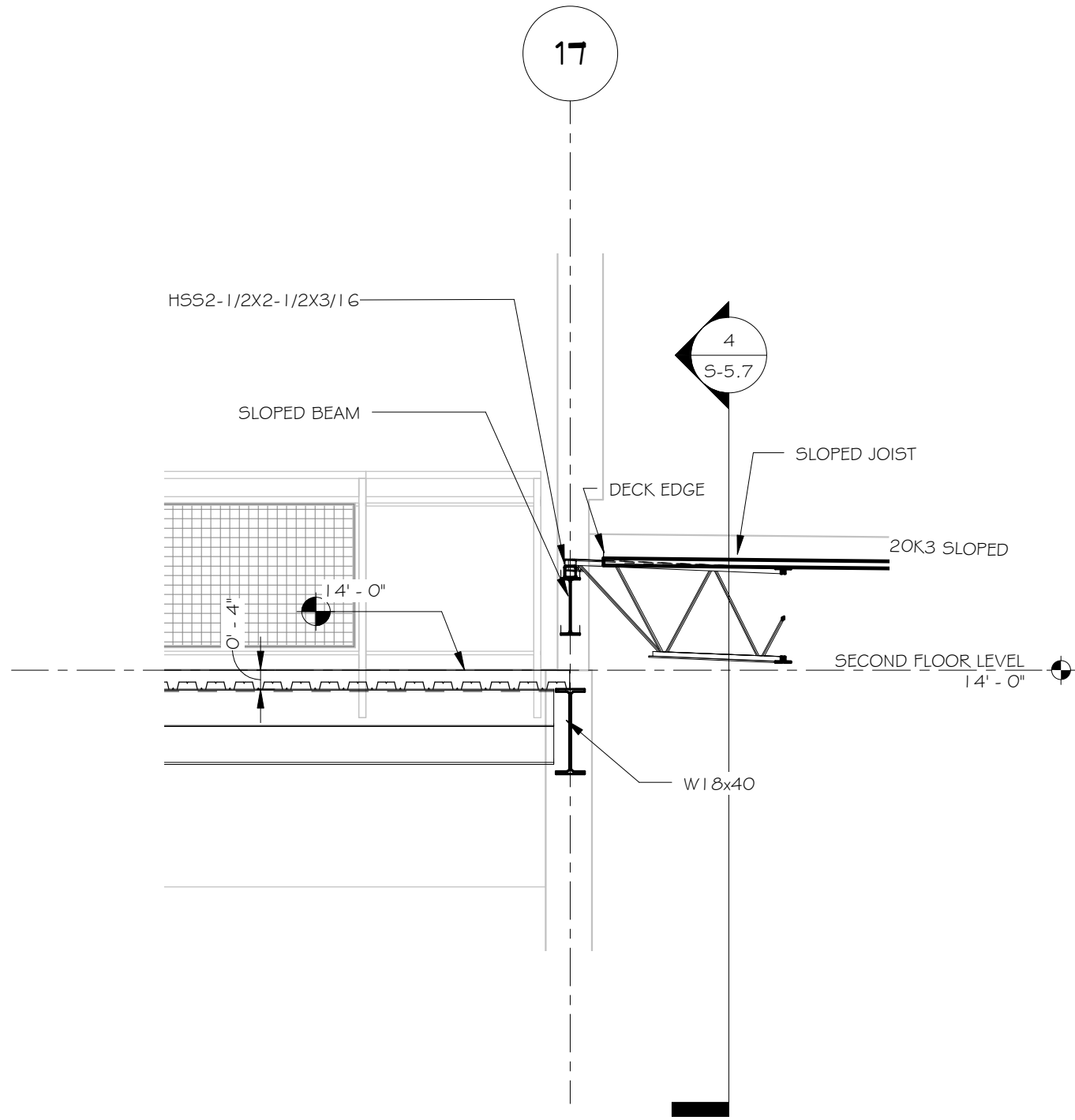
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○



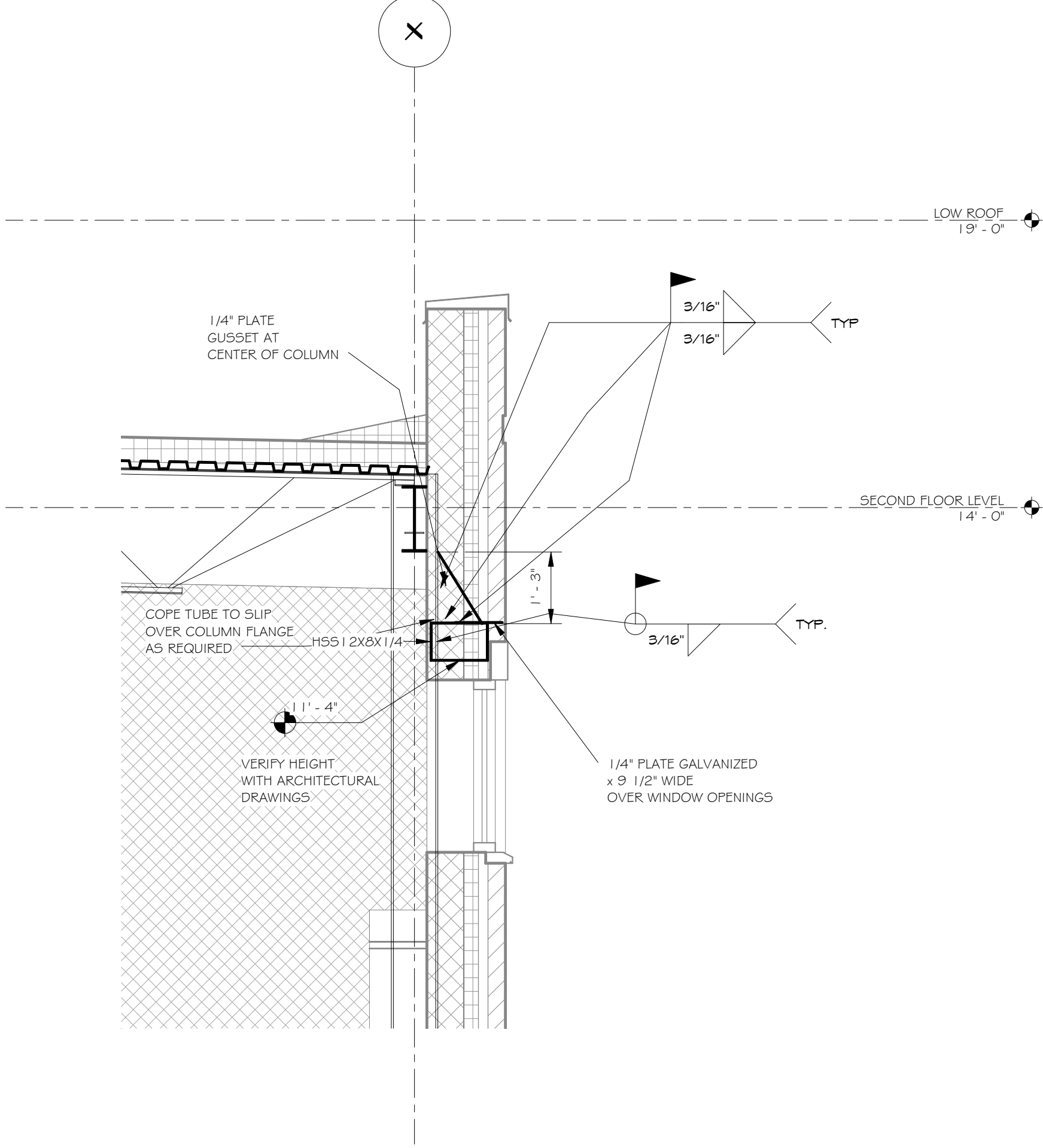
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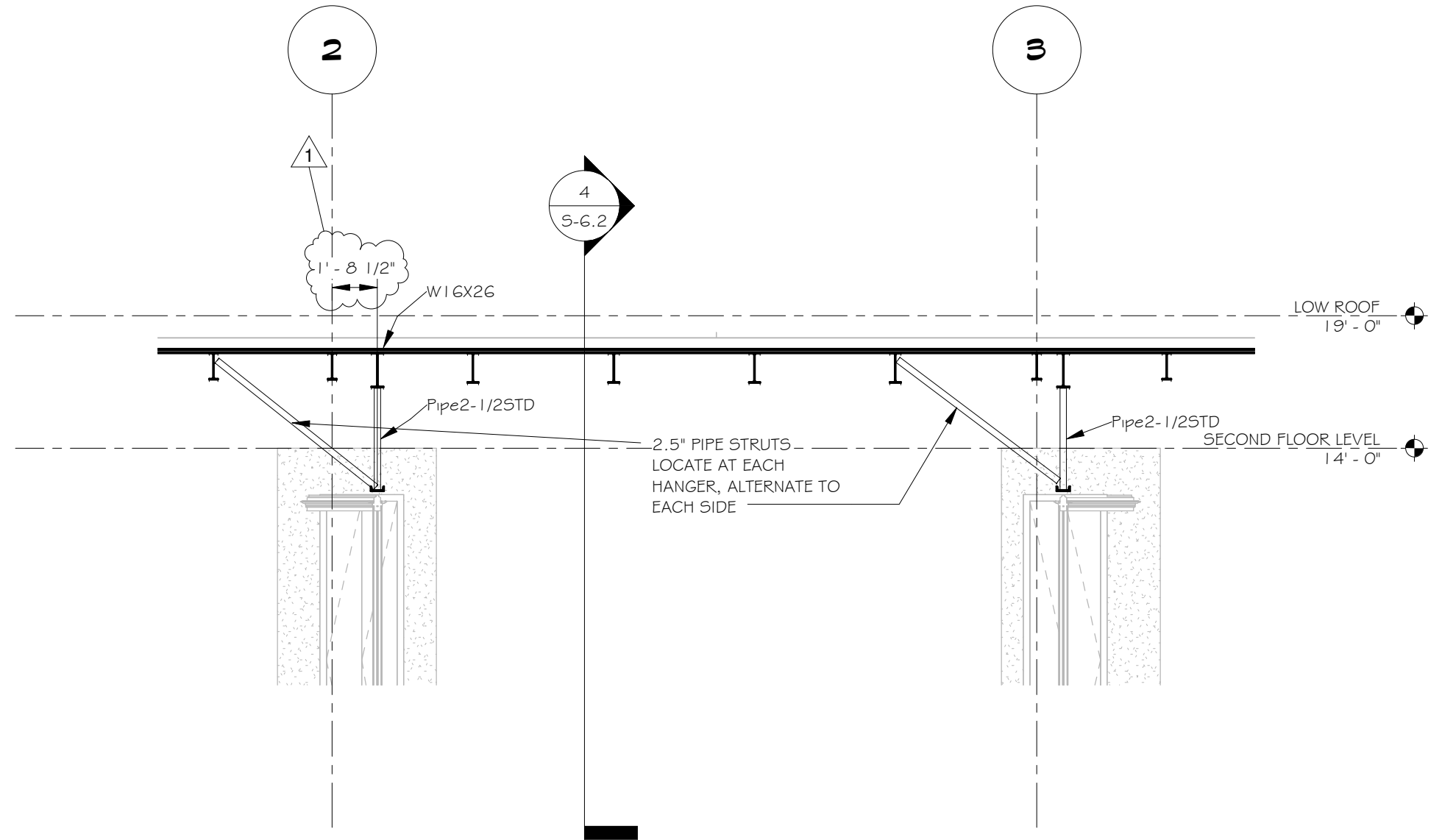
S-5.0



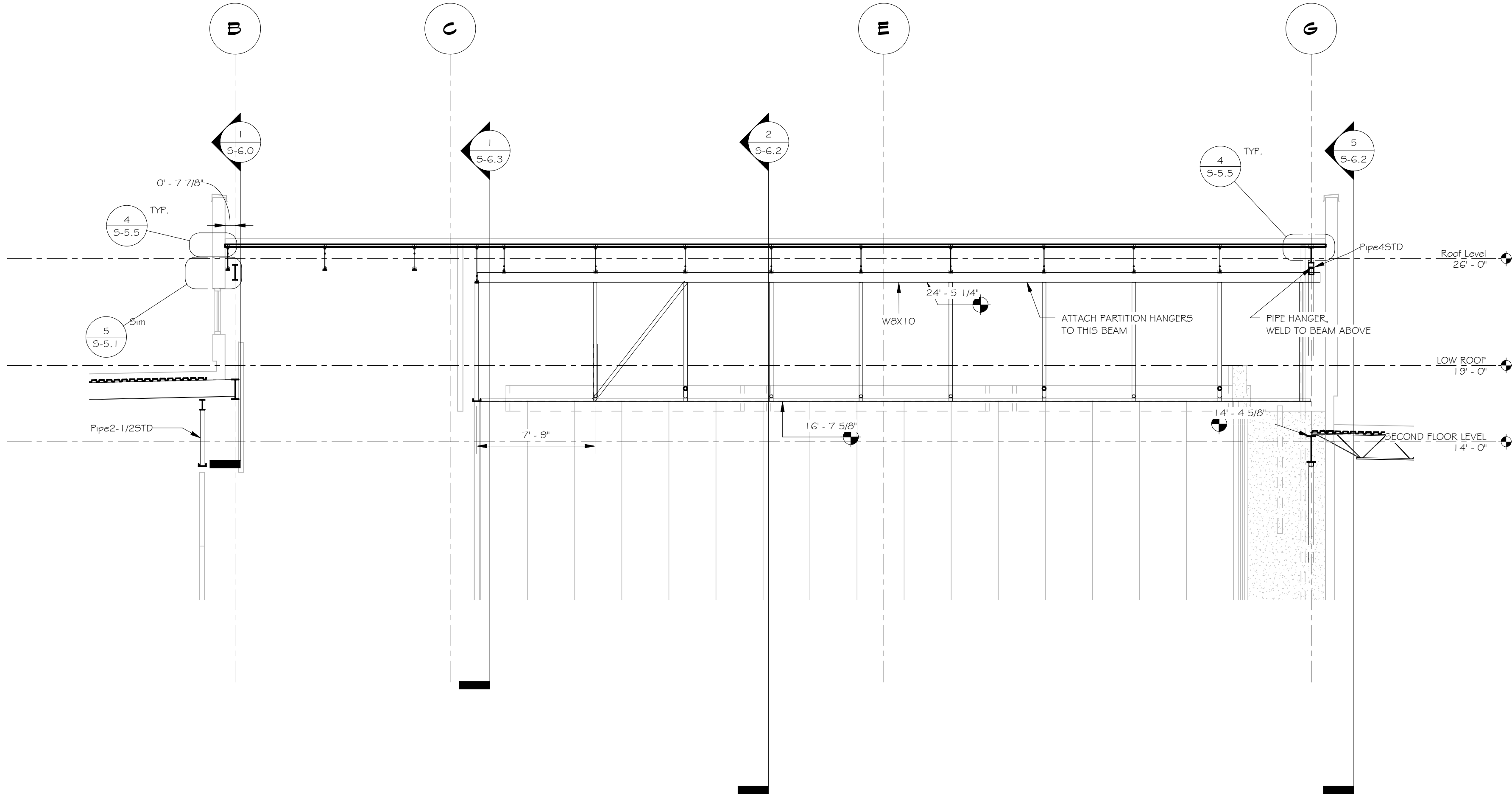
1
SECTION THROUGH BALCONY
SCALE: 3/8" = 1'-0"



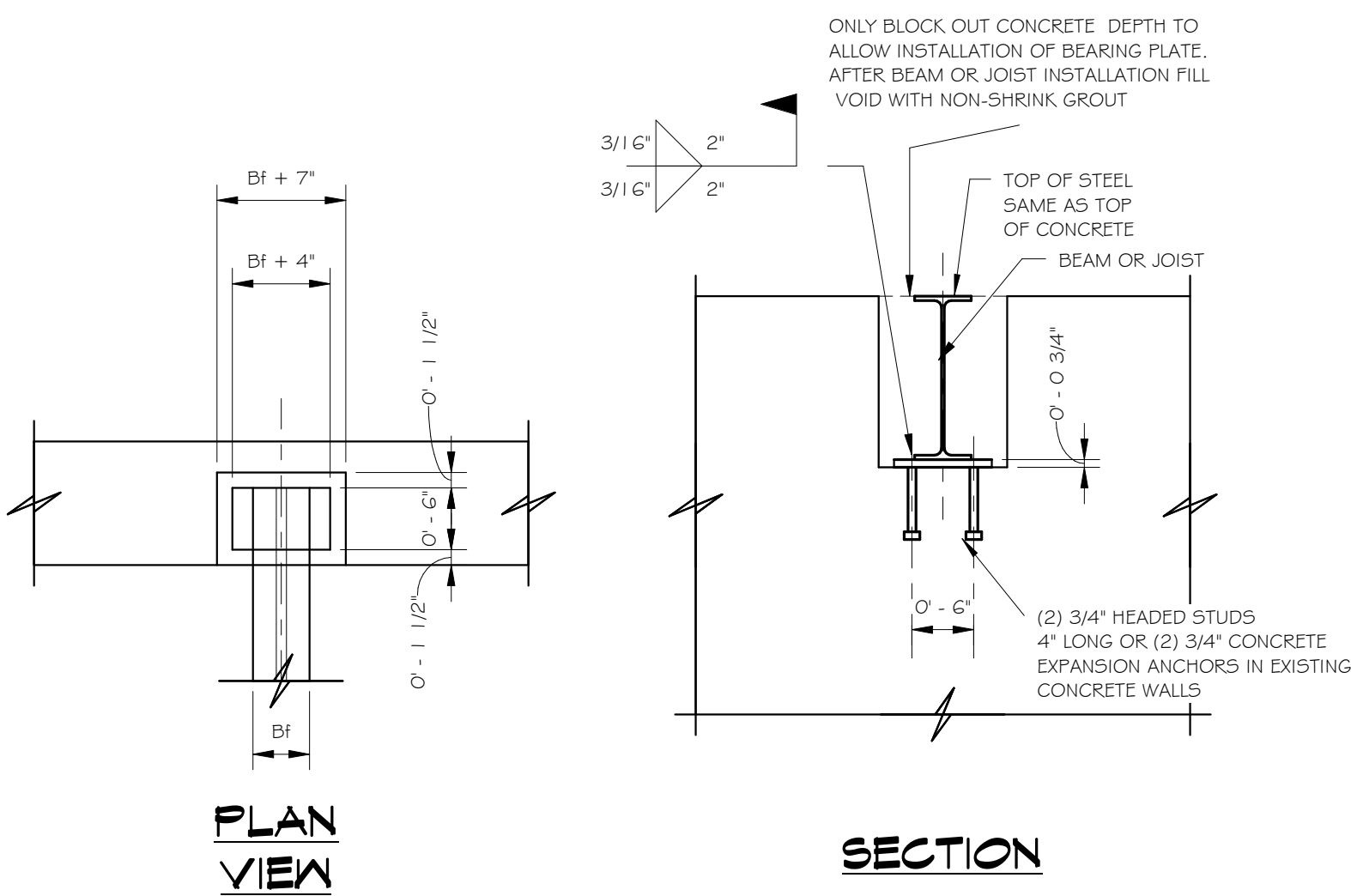
2
LINE X LINTEL DETAIL
SCALE: 1/2" = 1'-0"



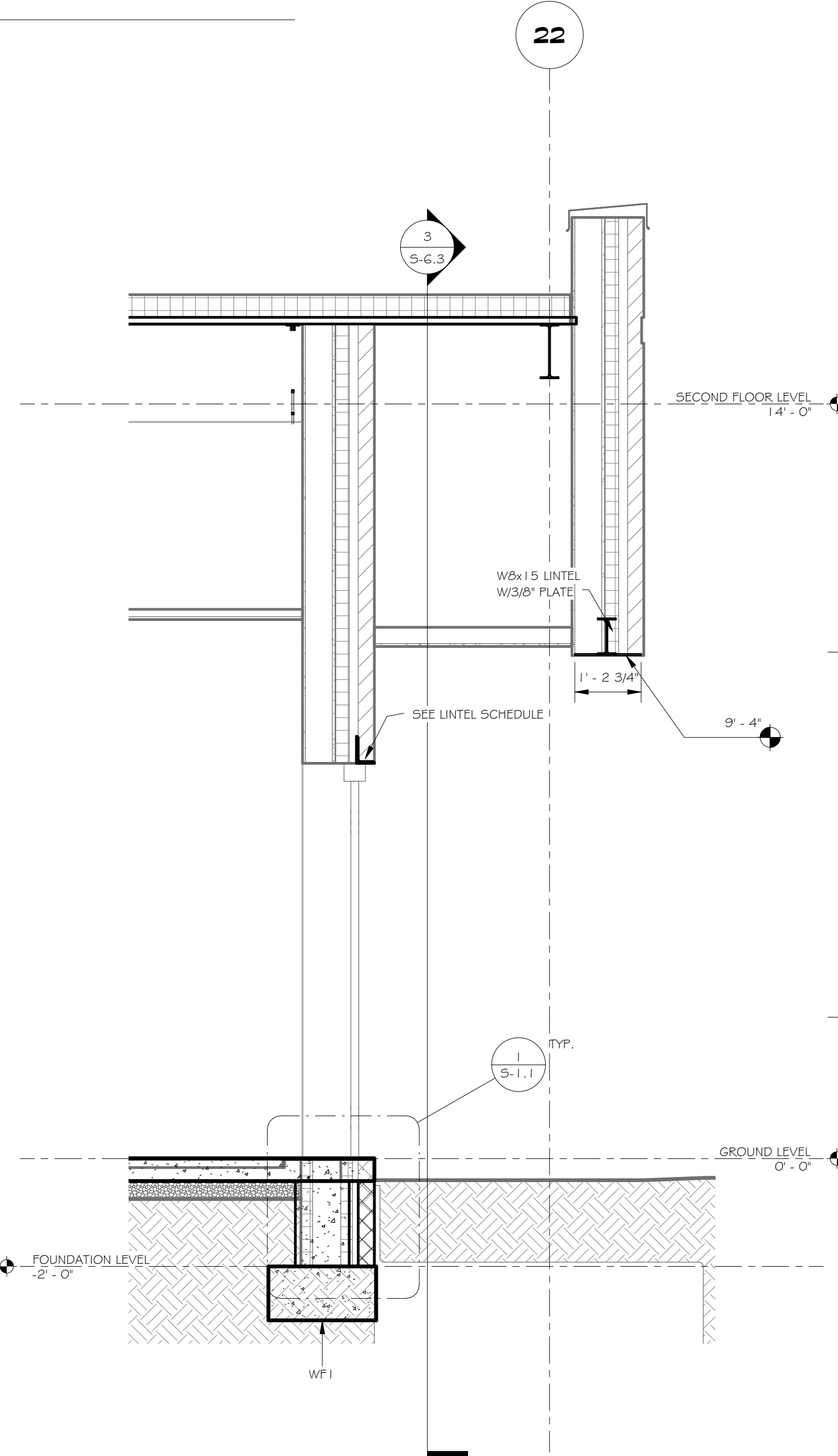
3
PARTITION ENCLOSURE
ELEVATION
SCALE: 3/16" = 1'-0"



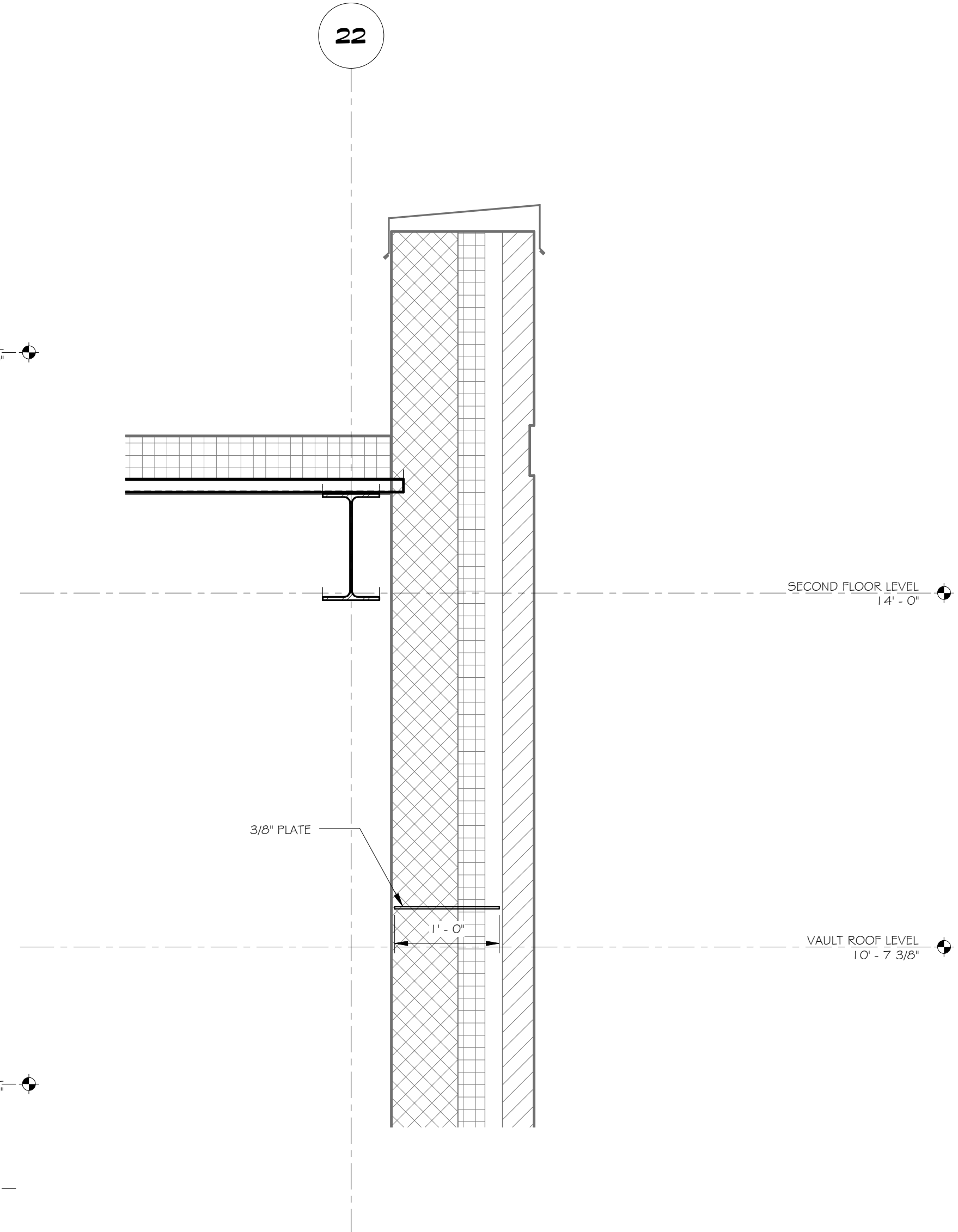
4
PARTITION SUPPORT BEAM
SCALE: 3/16" = 1'-0"



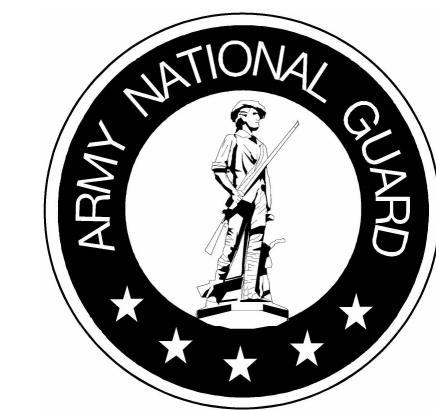
5
BEAM BEARING IN CONCRETE
WALL POCKET
SCALE: 3/4" = 1'-0"



6
DOOR C1 SOFFIT WALL
SUPPORT
SCALE: 1/2" = 1'-0"



7
LINTELS SUPPORTING
CMU/BRICK
SCALE: 1" = 1'-0"



BUCKHANNON AFRC

Buckhannon, WV

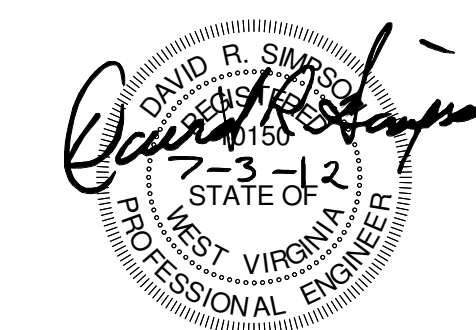
STEEL DETAILS

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SHEET ISSUE DATE: 05/31/12	
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No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-5.2

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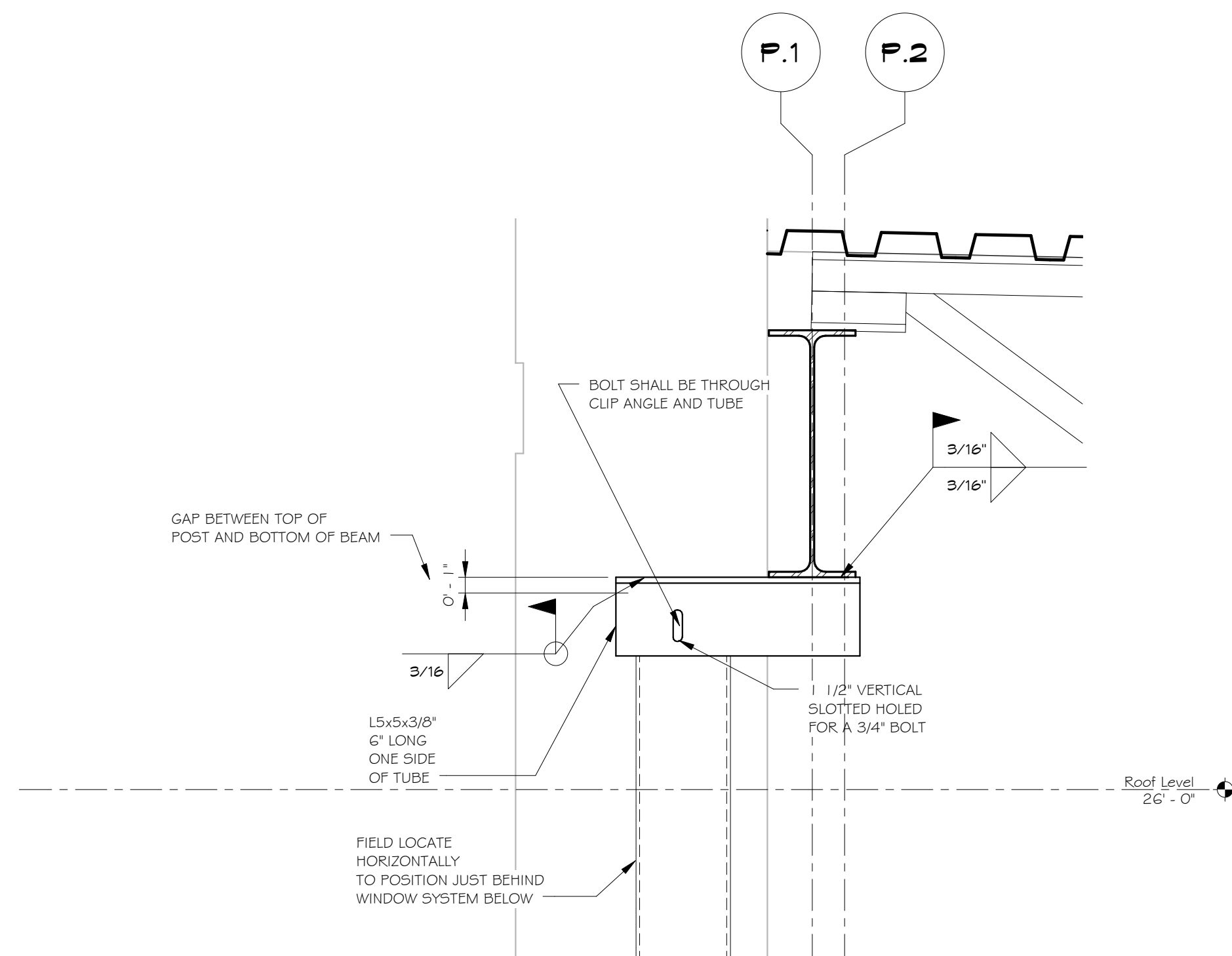
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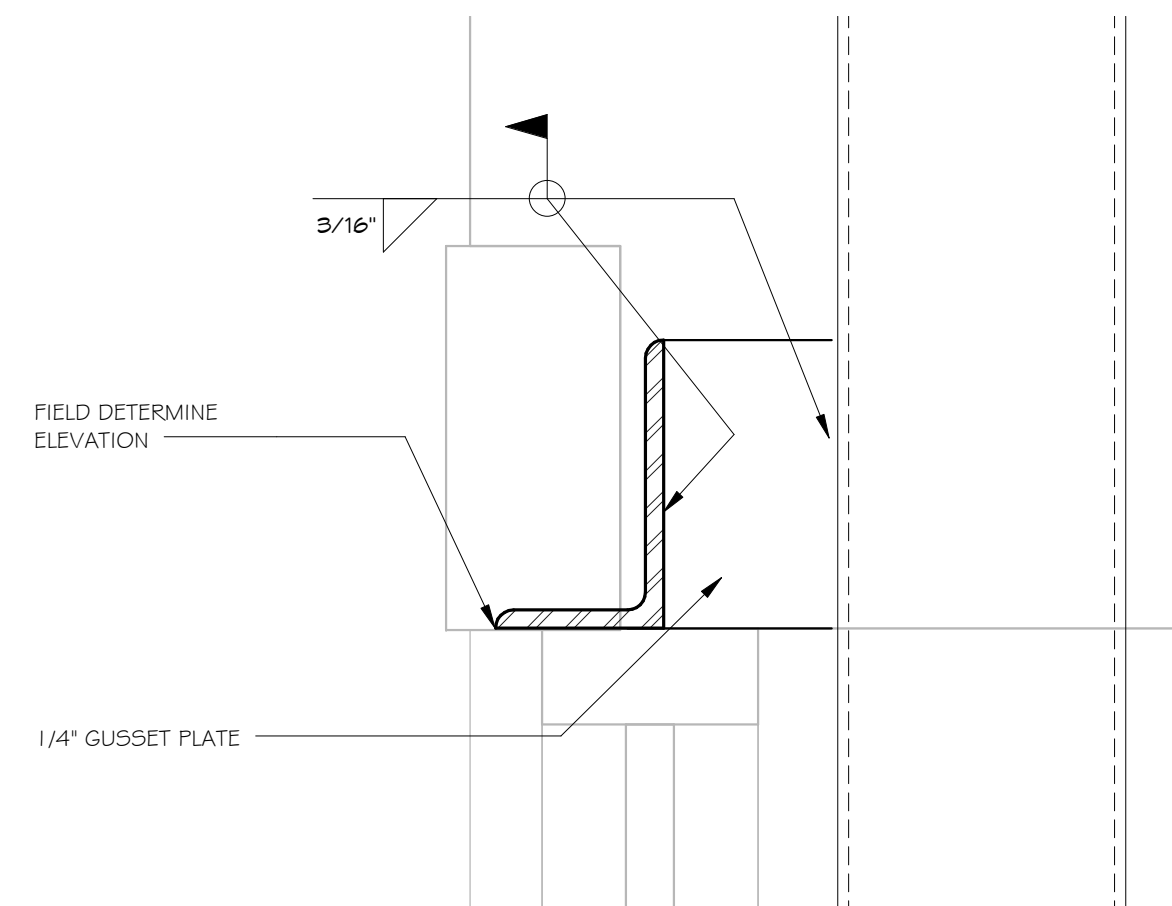
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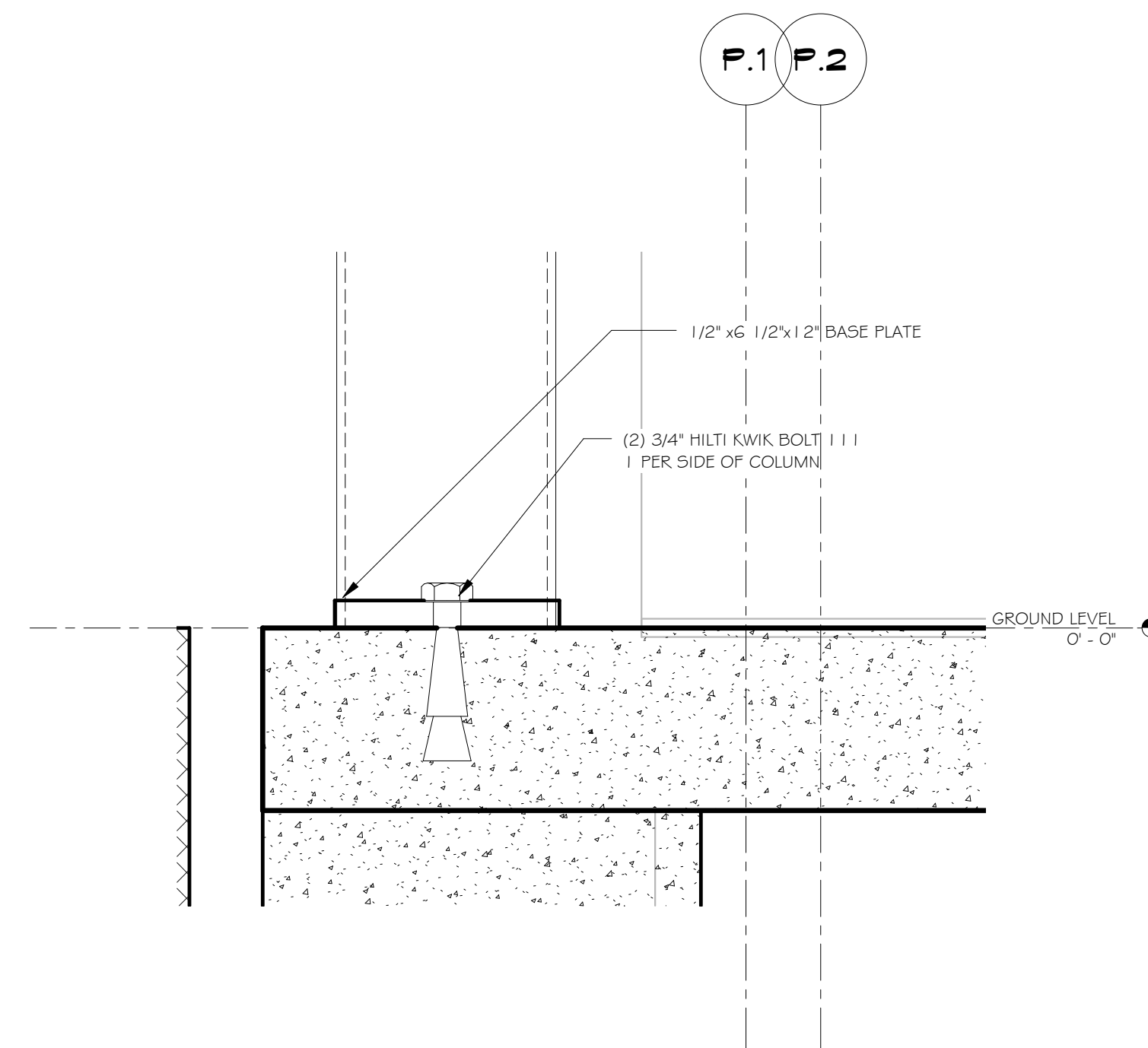
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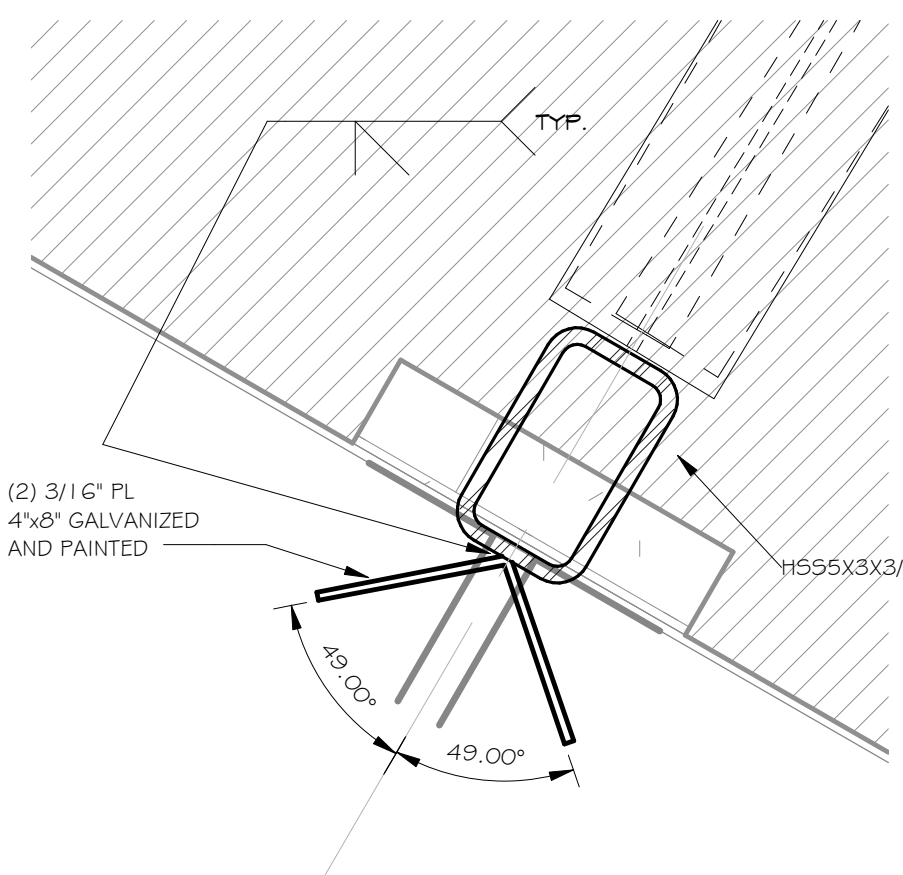
1
S-5.2
LINTEL SUPPORT POST TOP CONNECTION
SCALE: 1 1/2" = 1'-0"



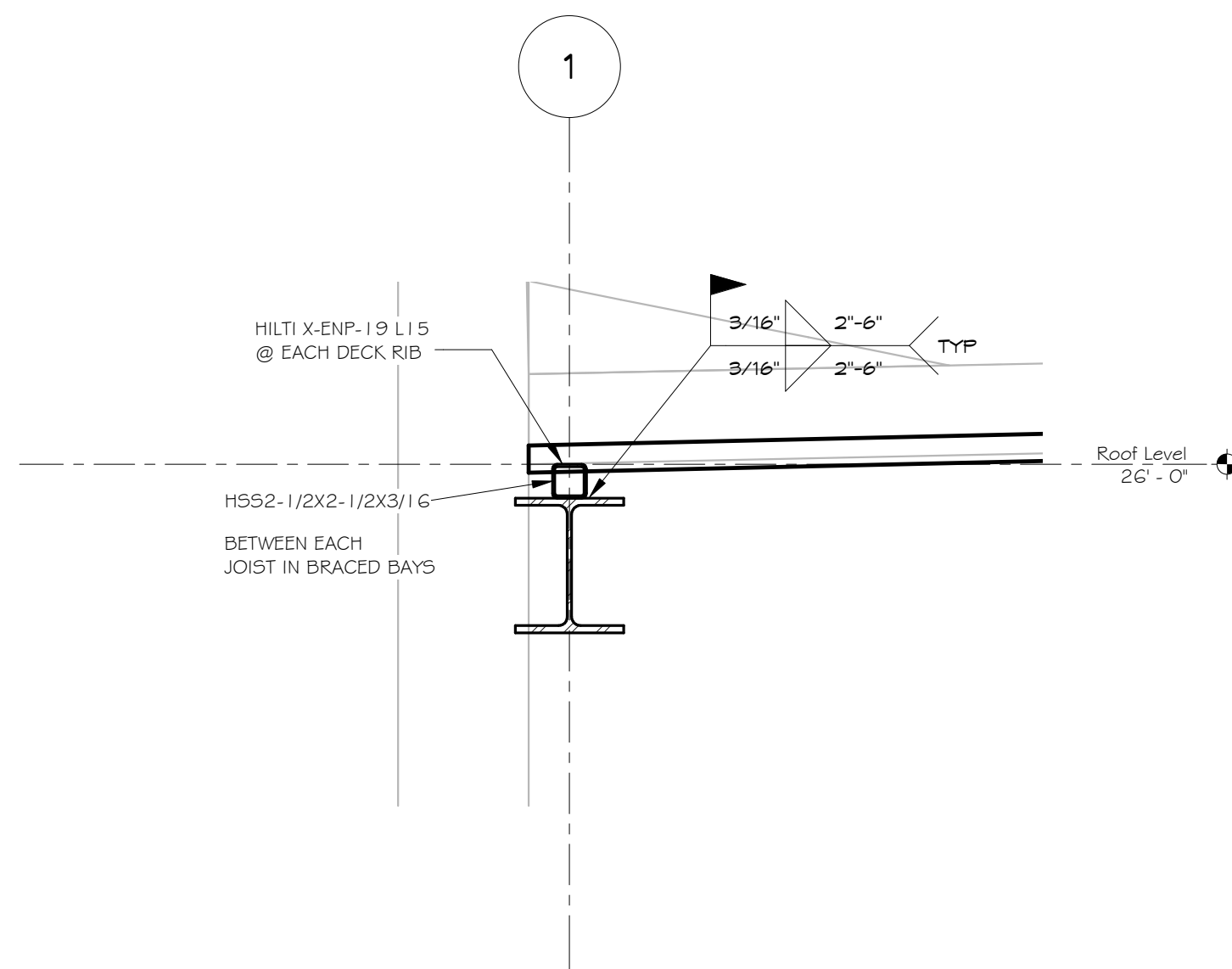
2
S-5.2
LINTEL CONNECTION TO POST
SCALE: 3" = 1'-0"



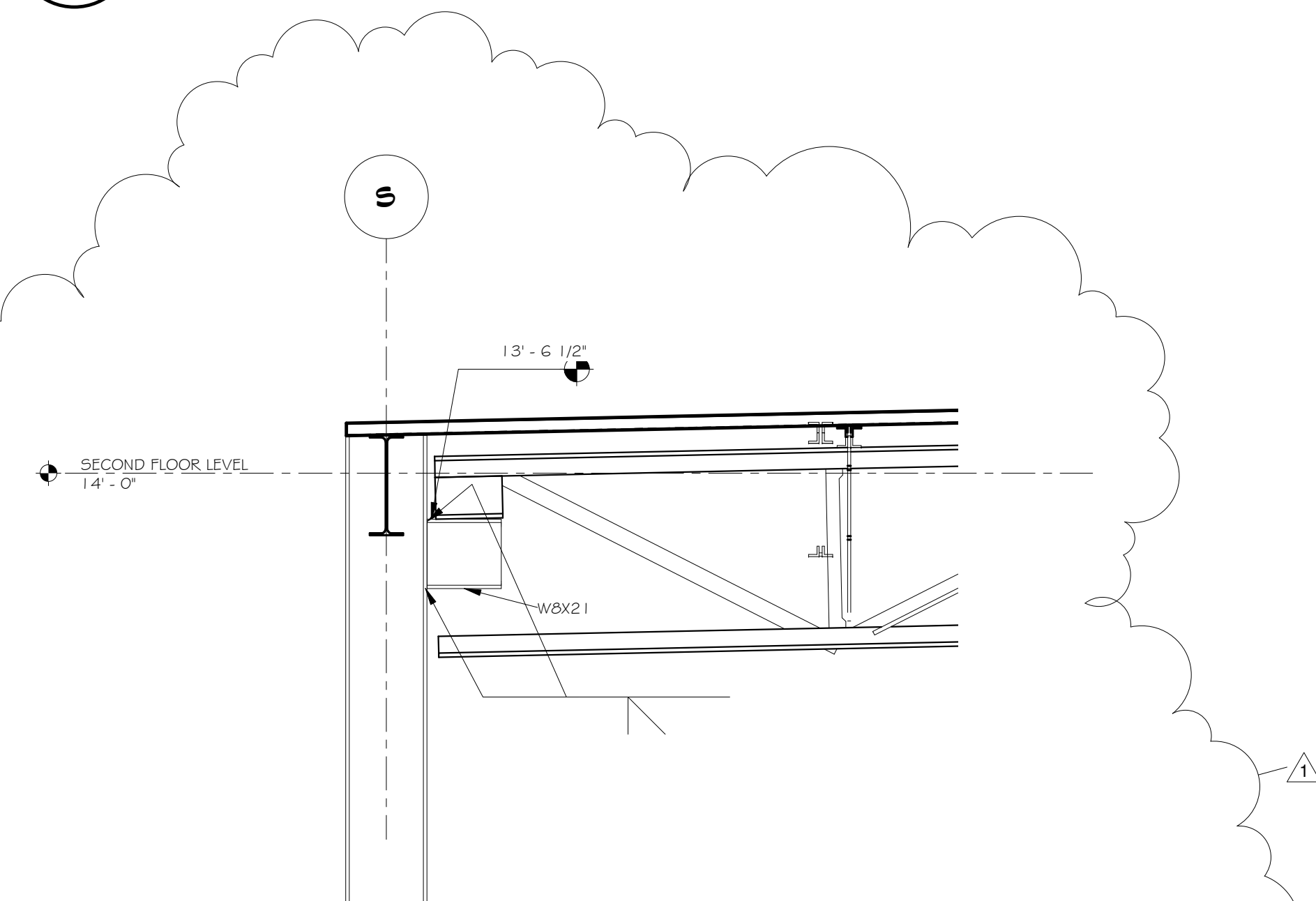
3
S-5.2
LINTEL SUPPORT POST AT BASE
SCALE: 3" = 1'-0"



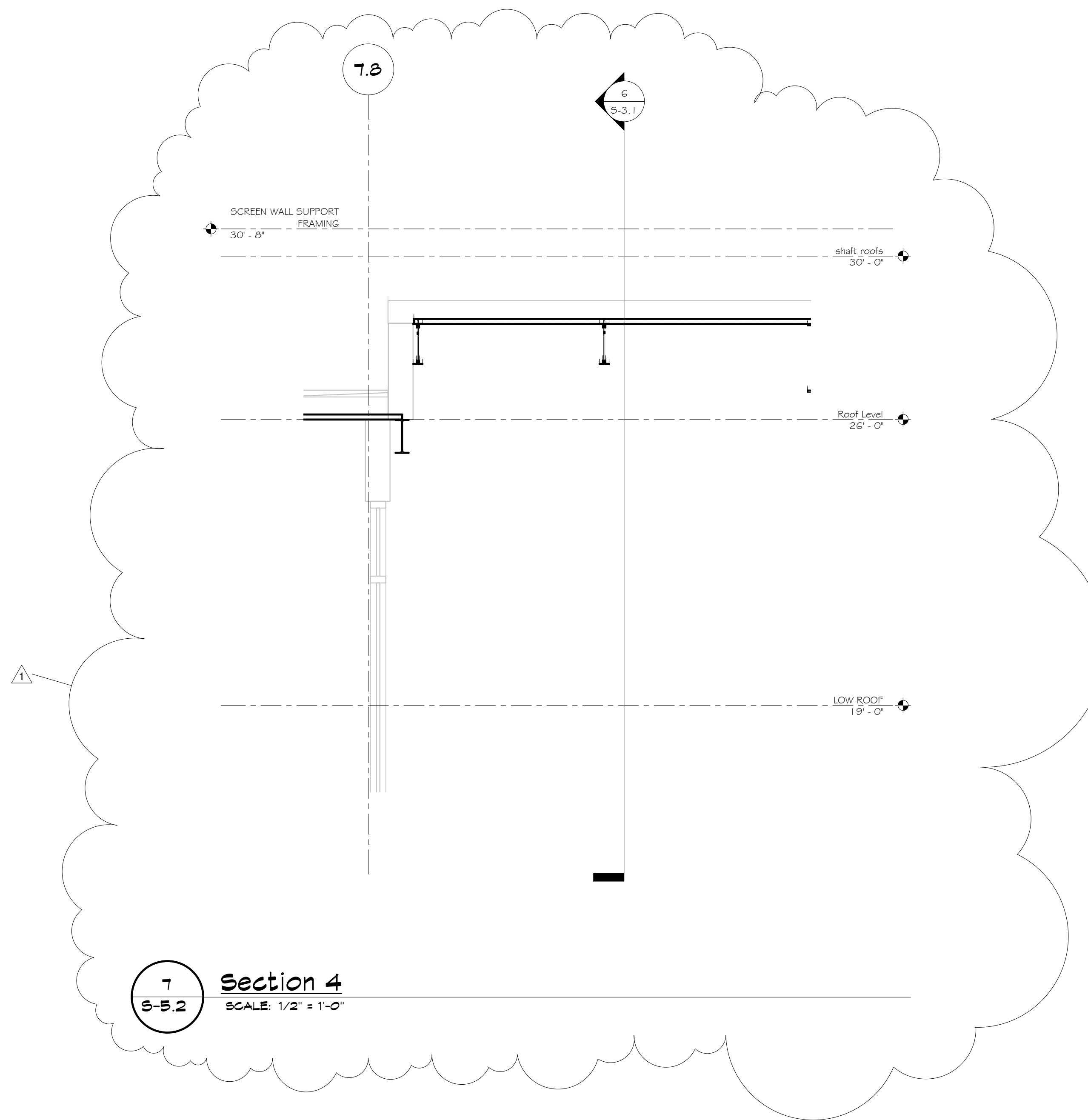
4
S-5.2
CABLE ATTACHMENT PLATES
SCALE: 3" = 1'-0"



5
S-5.2
SHEAR COLLECTOR DETAIL
SCALE: 1" = 1'-0"



6
S-5.2
TYPICAL LOW END JOIST BRACKET
SCALE: 3/4" = 1'-0"



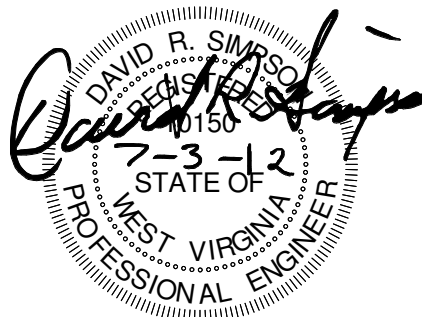
7
S-5.2
Section 4
SCALE: 1/2" = 1'-0"



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SHEET ISSUE DATE: 05/11/12	
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No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-5.6

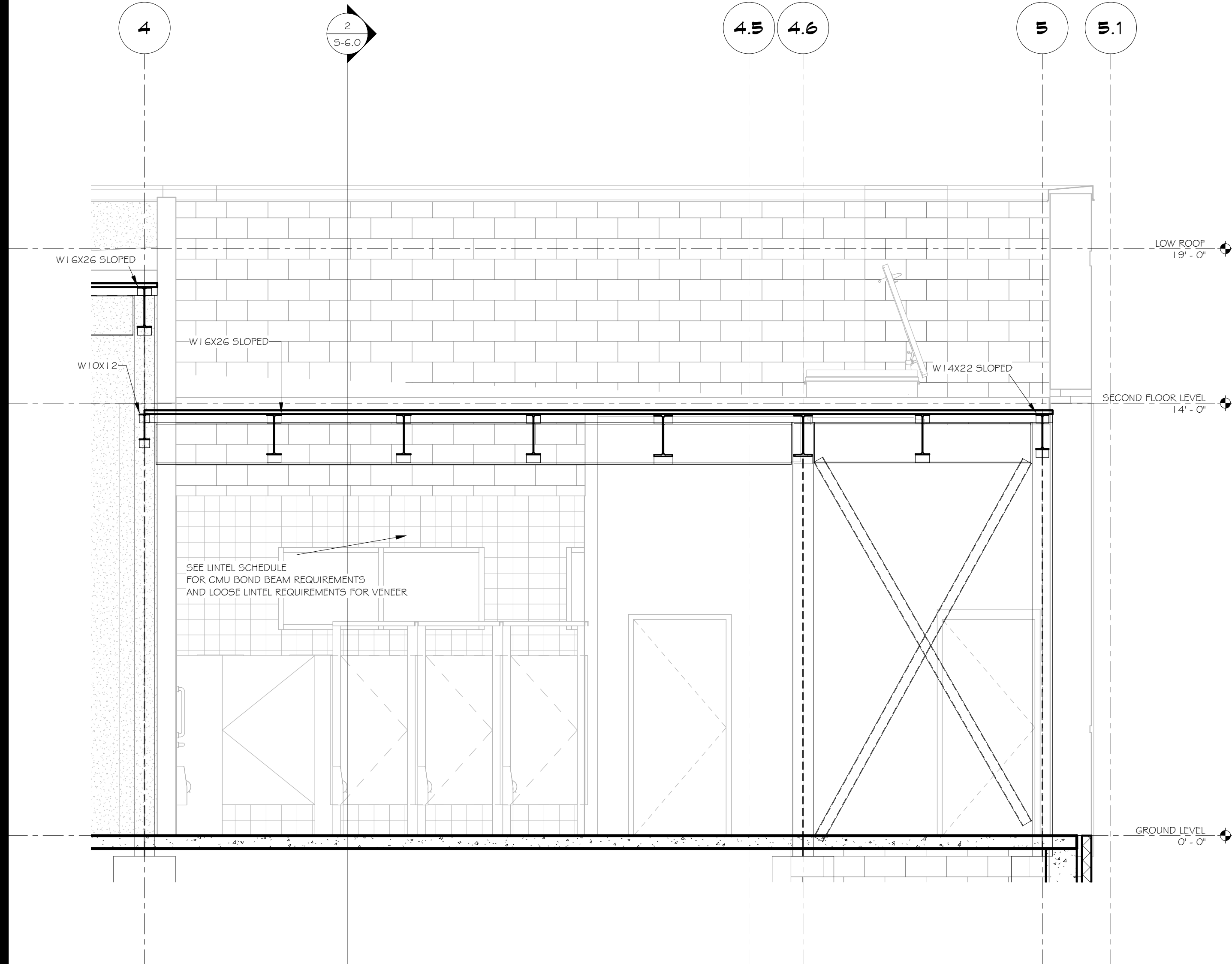
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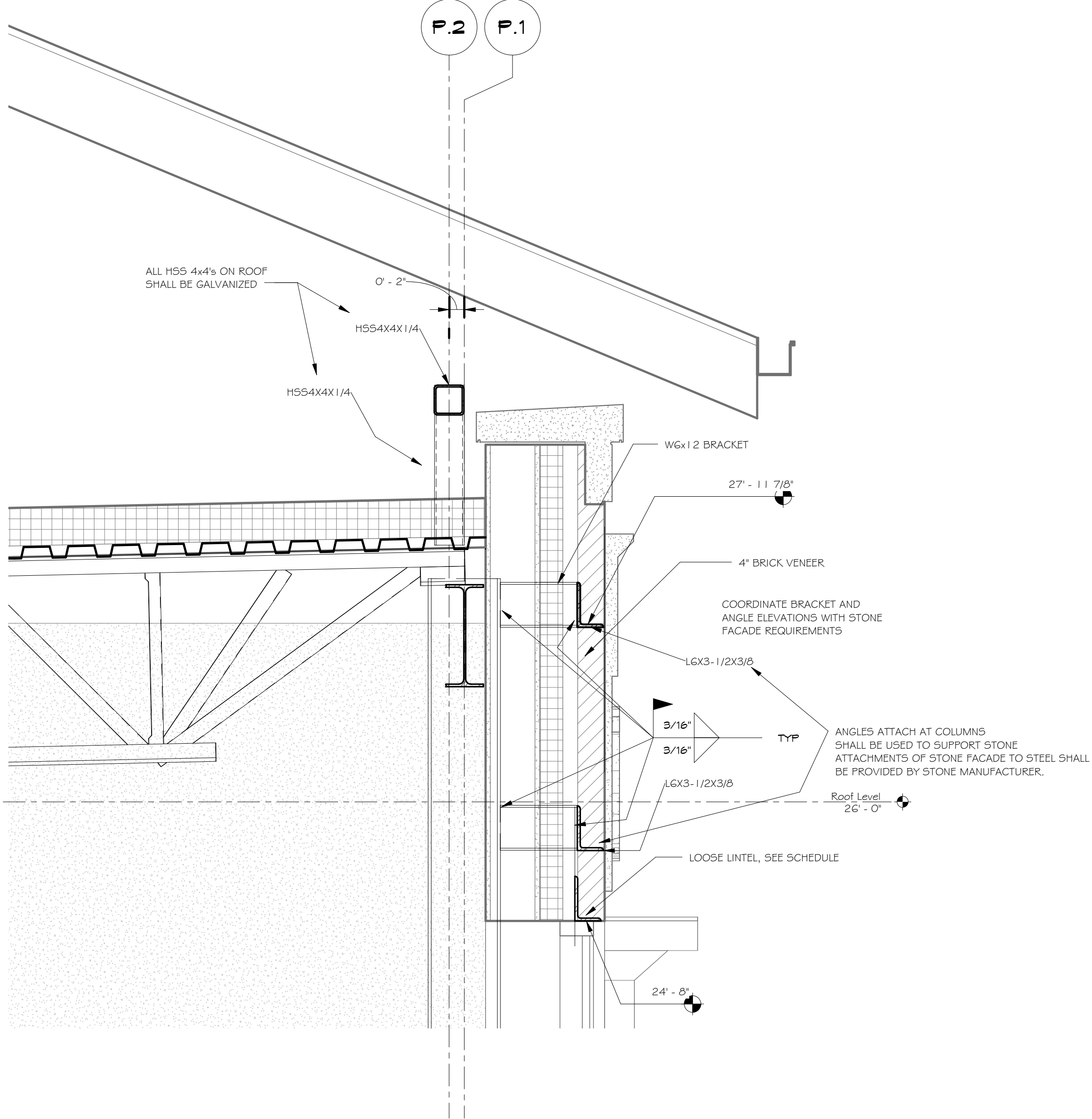
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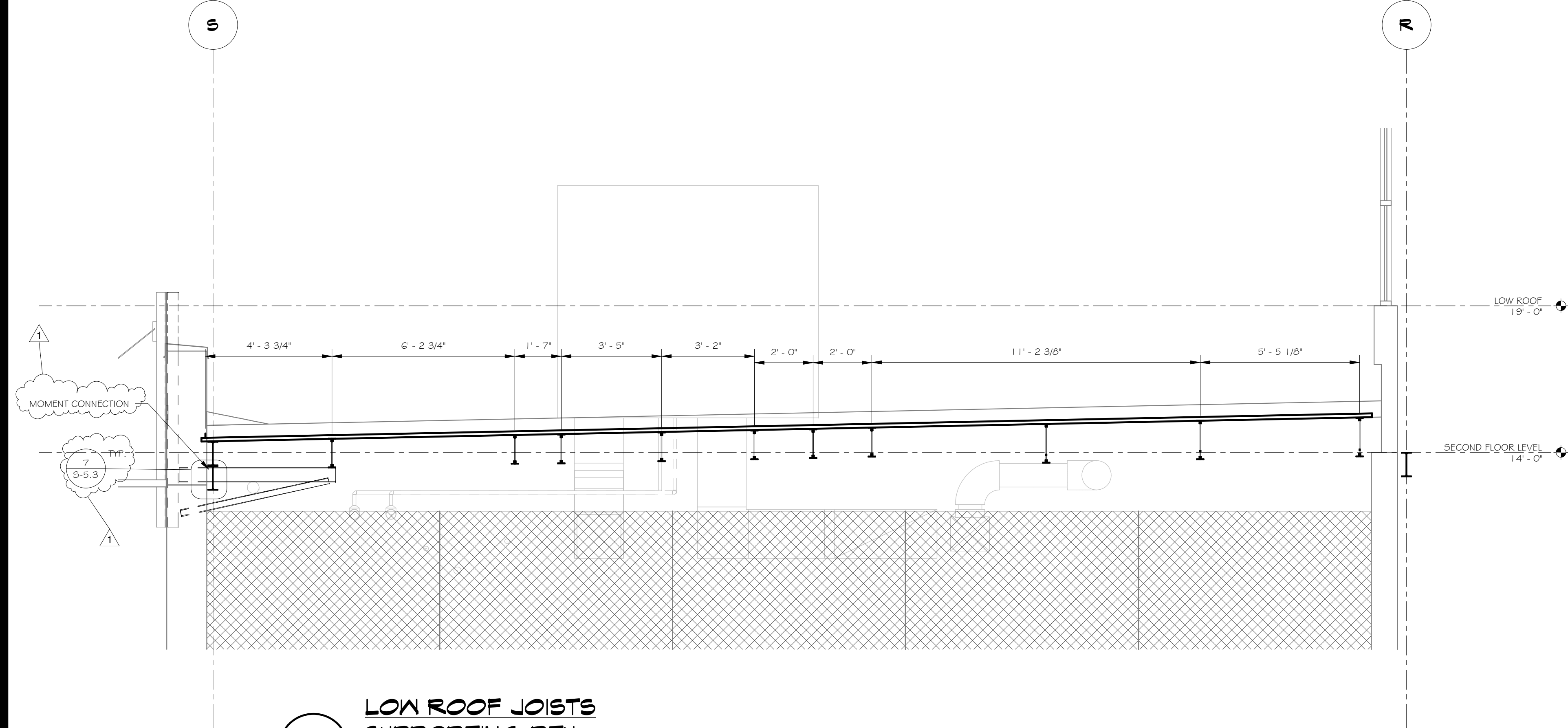
S-5.6



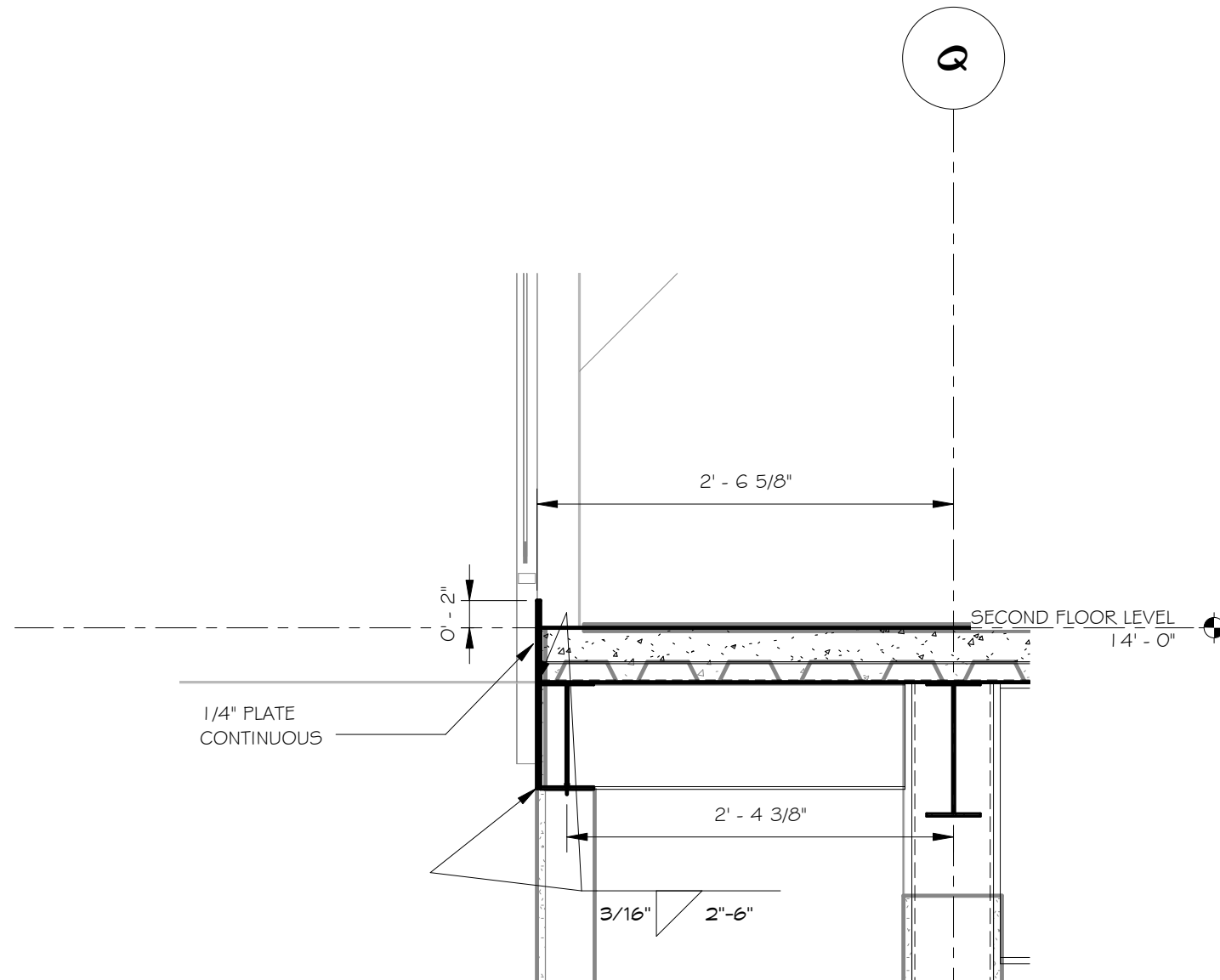
1
S-5.6
LOW ROOF CROSS SECTION
SCALE: 3/8" = 1'-0"



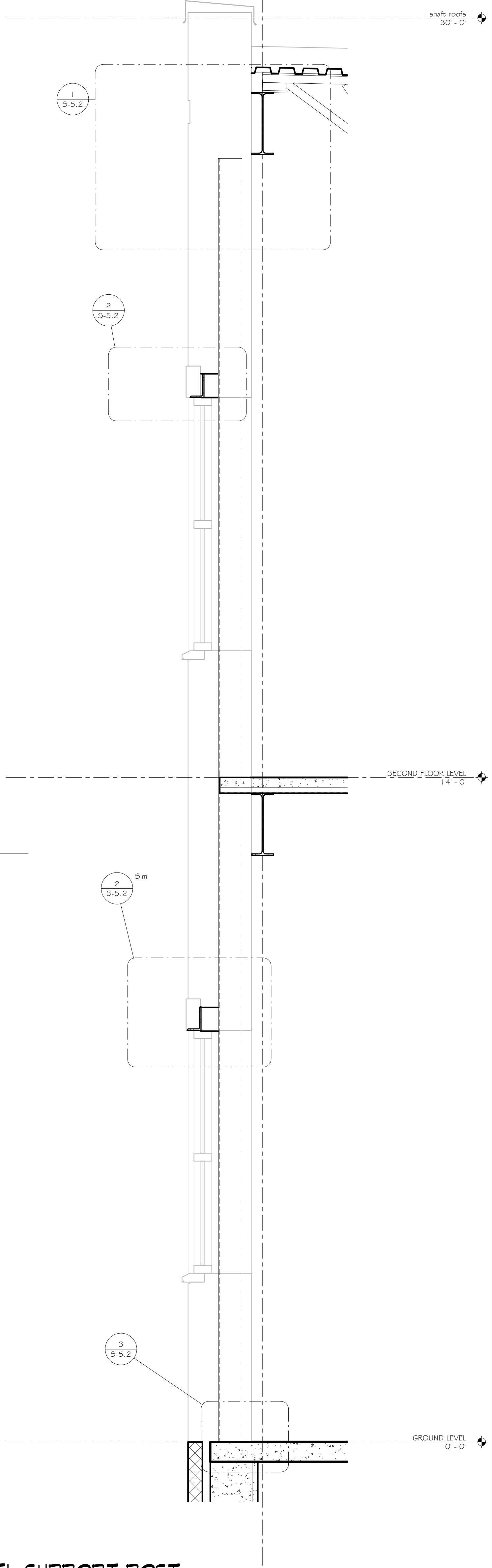
2
S-5.6
FRONT CORNICE DETAIL
SCALE: 1" = 1'-0"



3
S-5.6
**LOW ROOF JOISTS
SUPPORTING RTU**
SCALE: 3/8" = 1'-0"



5
S-5.6
BALCONY EDGE
SCALE: 1" = 1'-0"



4
S-5.6
LINTEL SUPPORT POST
SCALE: 3/4" = 1'-0"



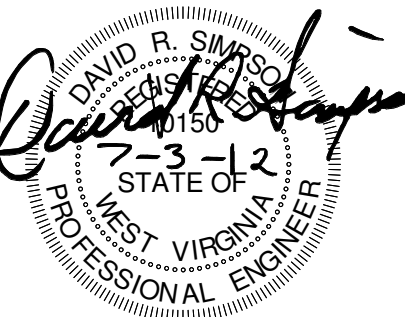
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PROJECT ISSUE DATE: JUNE 28, 2012
SHEET ISSUE DATE: 04/24/12

Drawing Revisions	
No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-5.7

APPROVED DRAWING USE:

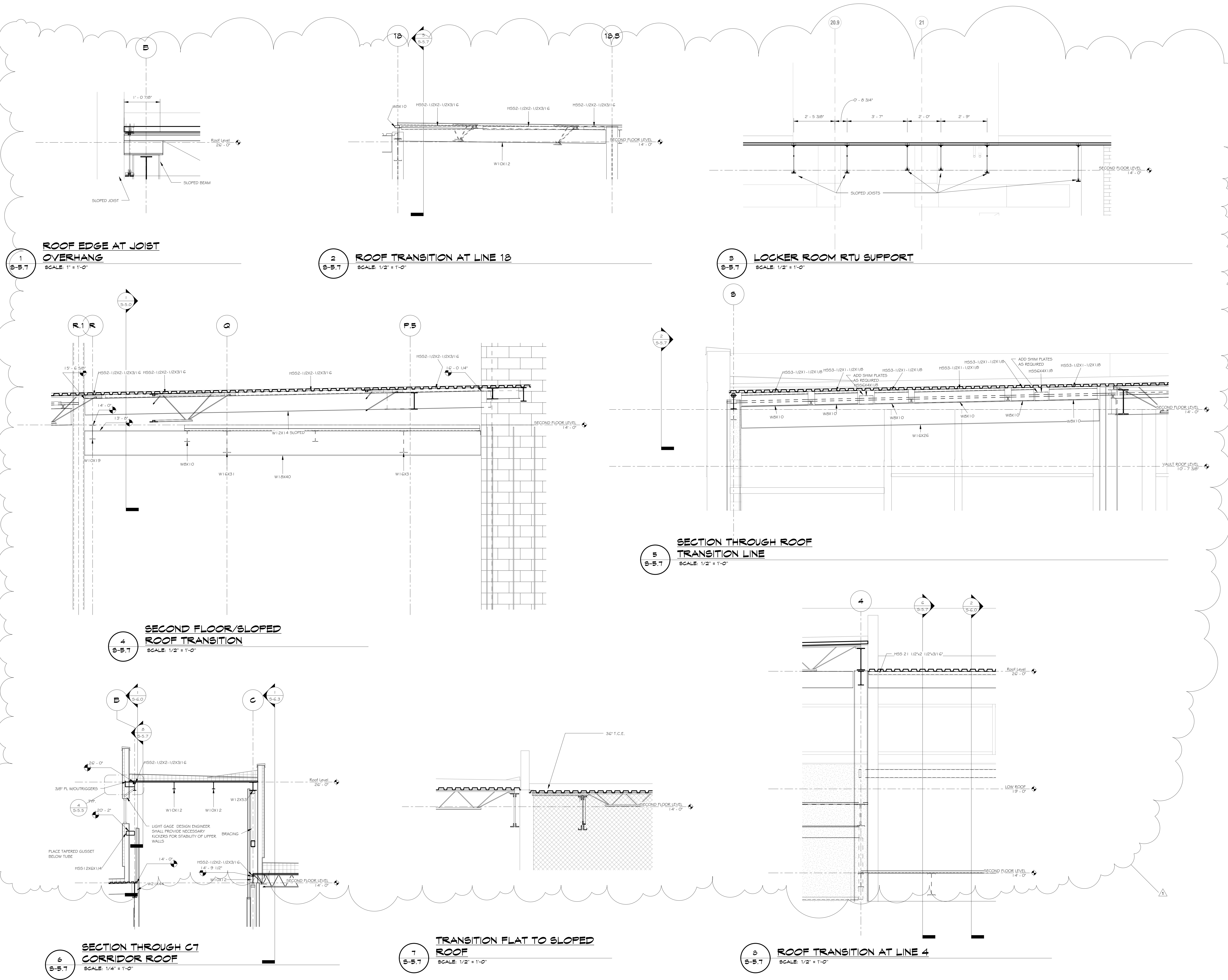
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SHEET NO.

S-5.7



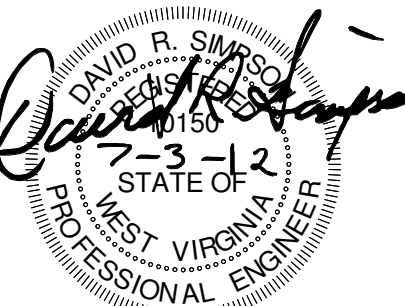


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PROJECT ISSUE DATE: JUNE 28, 2012	
SHEET ISSUE DATE: 04/24/12	
Drawing Revisions	
No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-5.8

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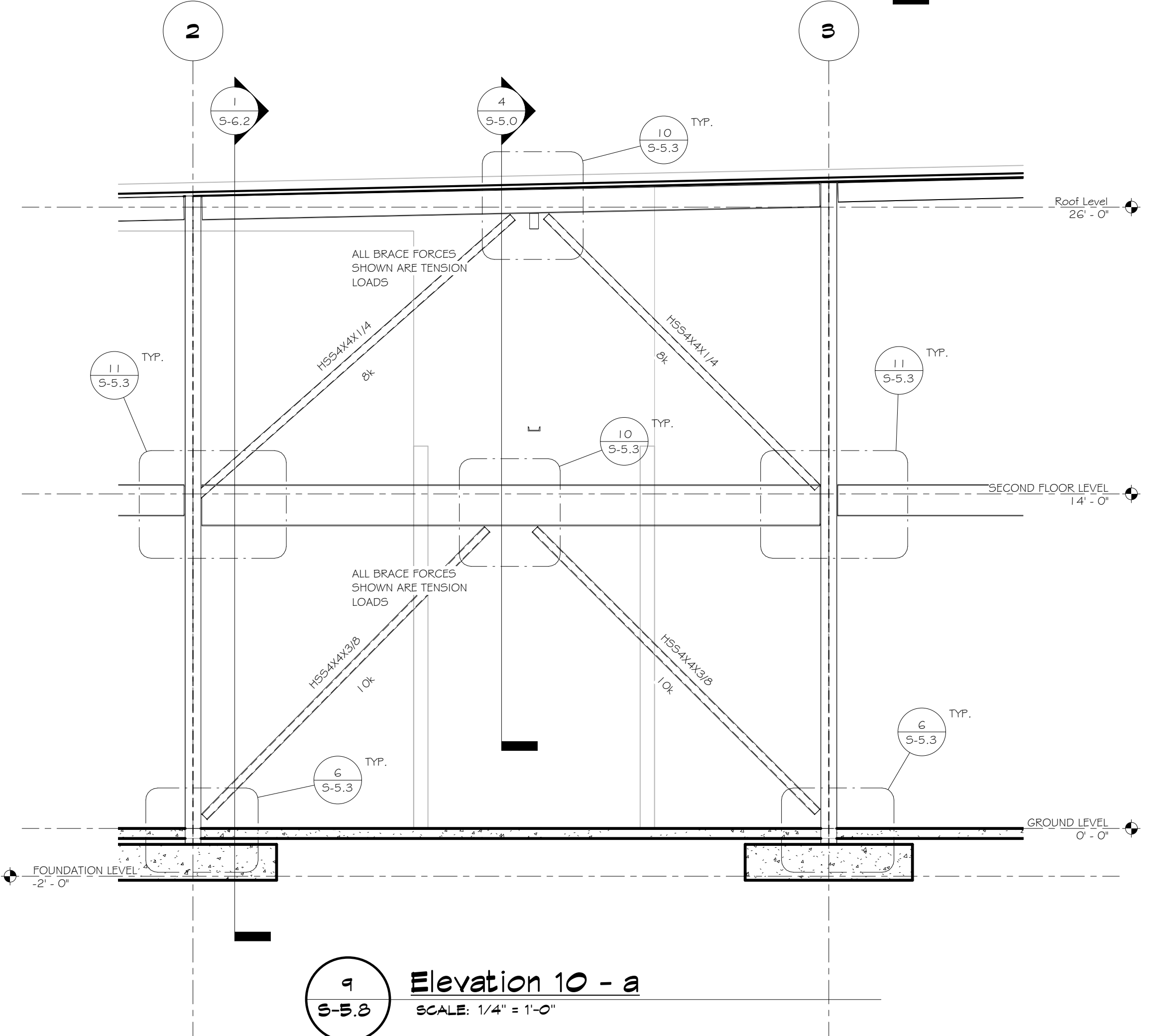
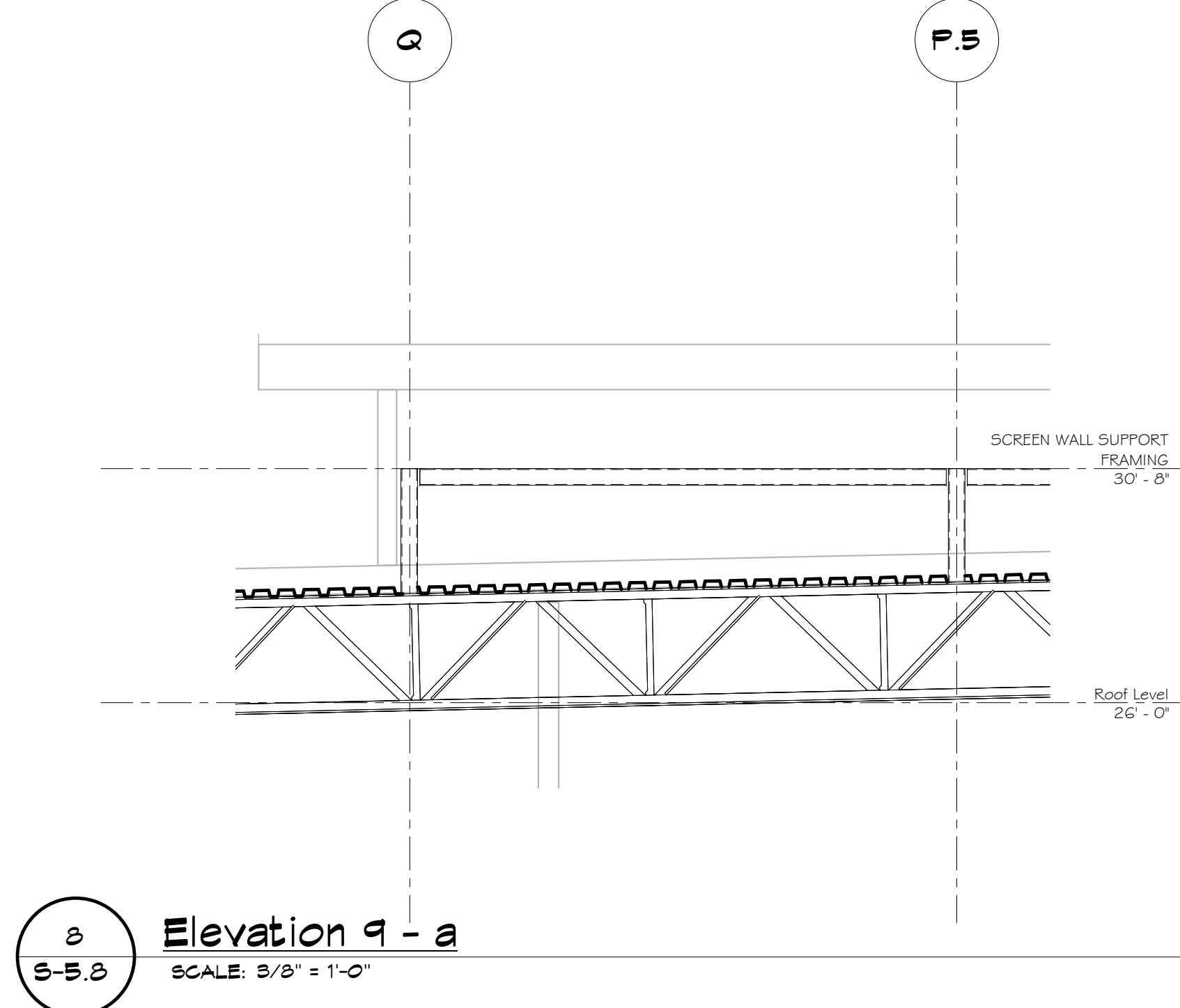
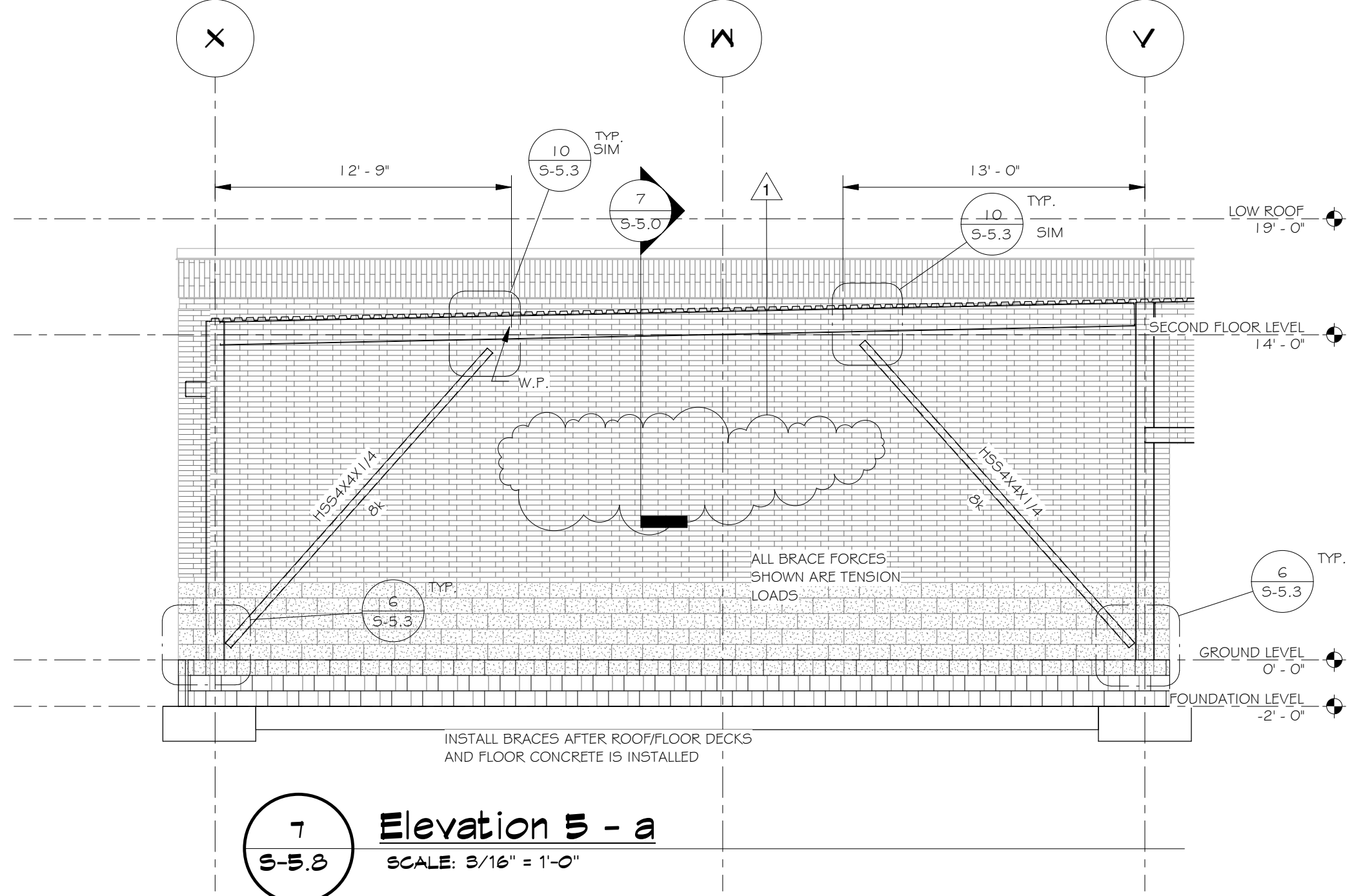
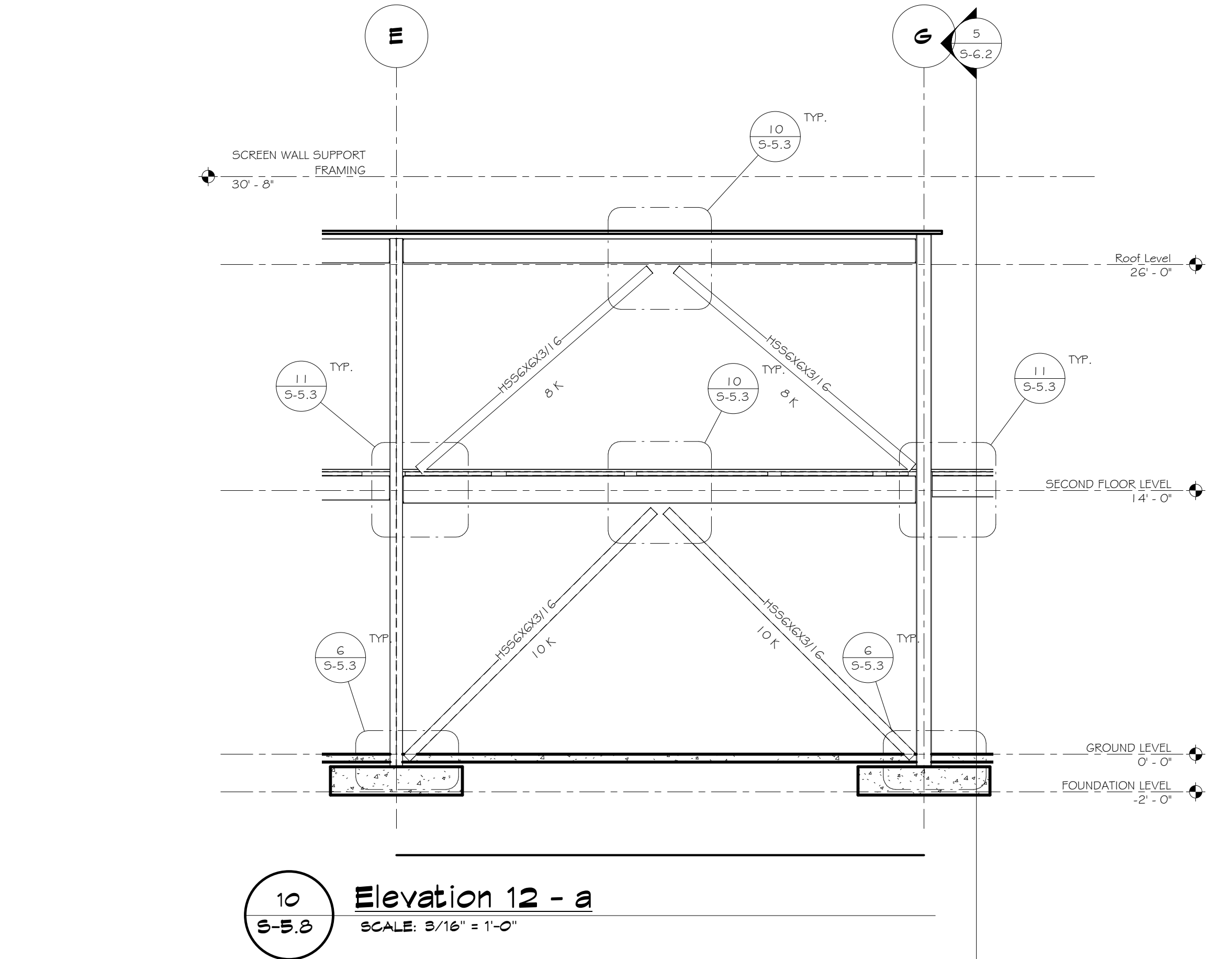
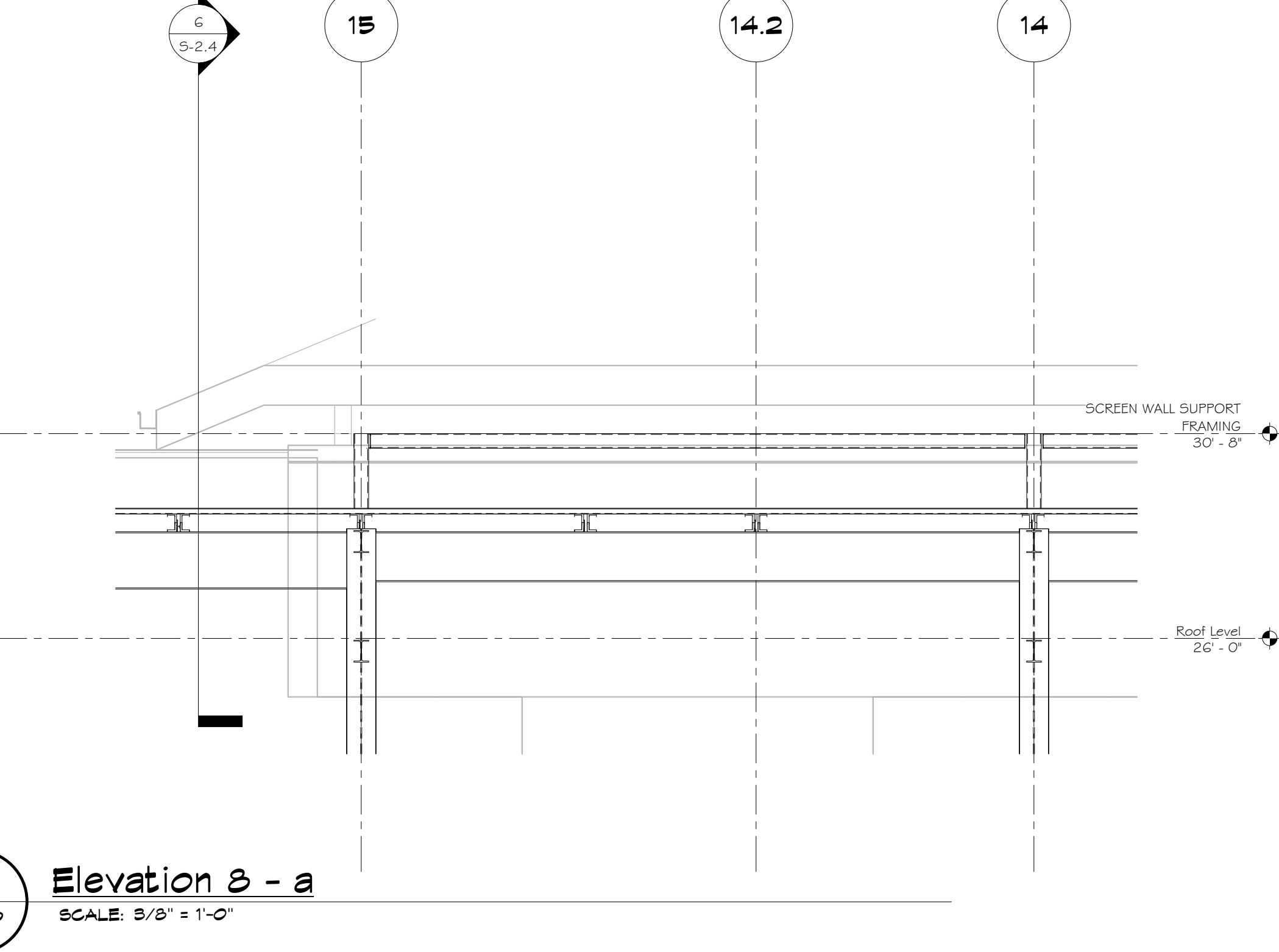
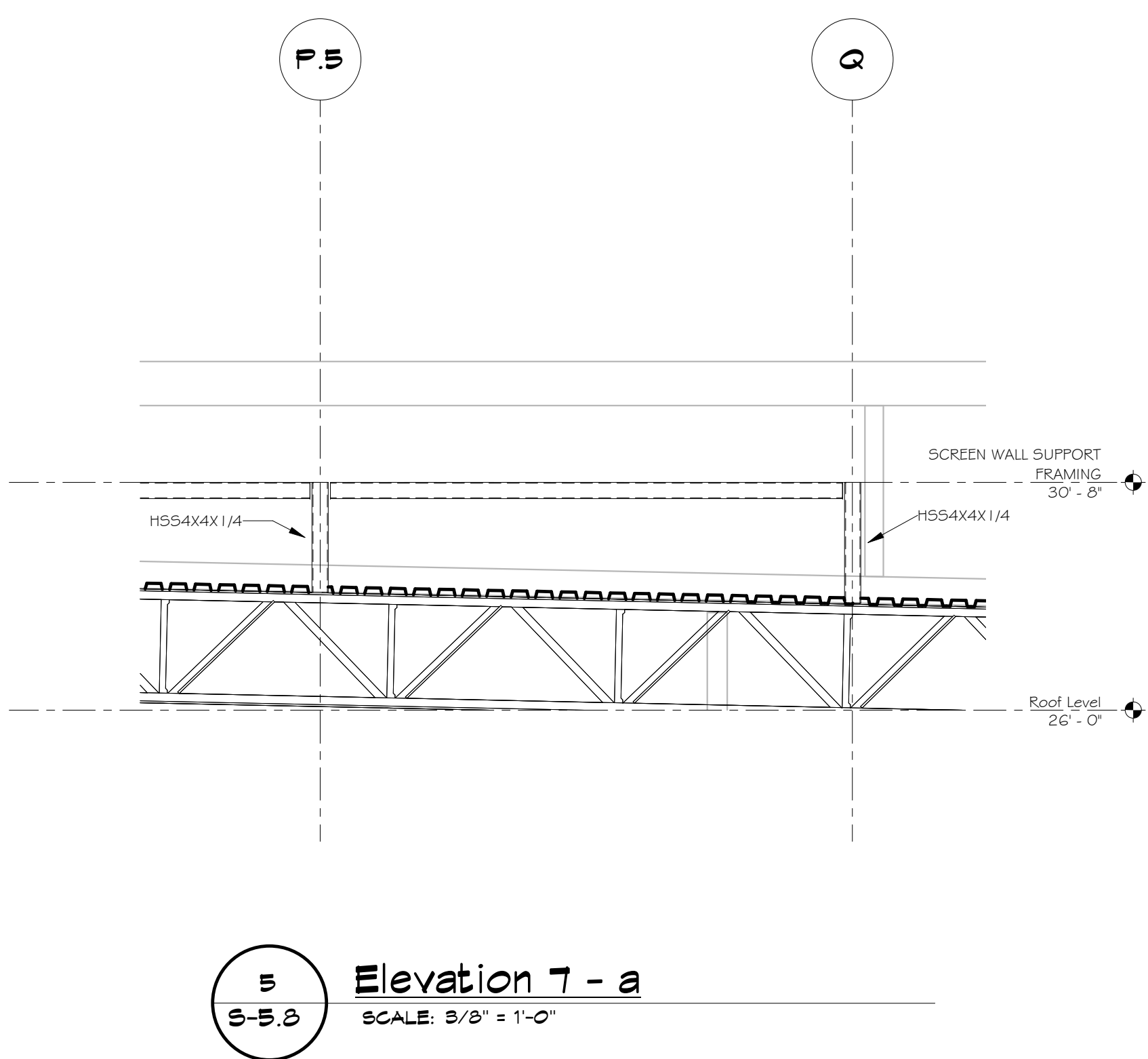
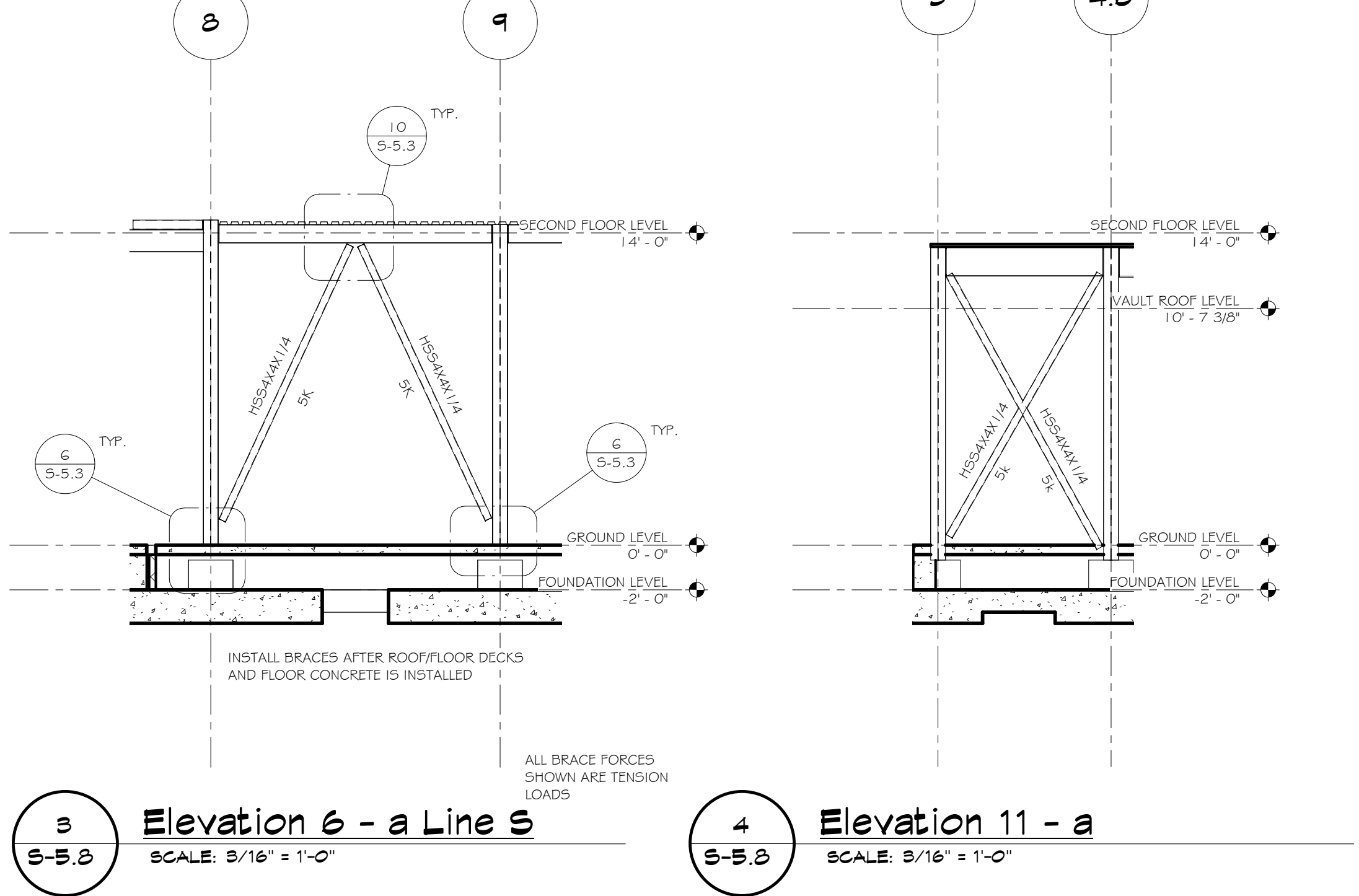
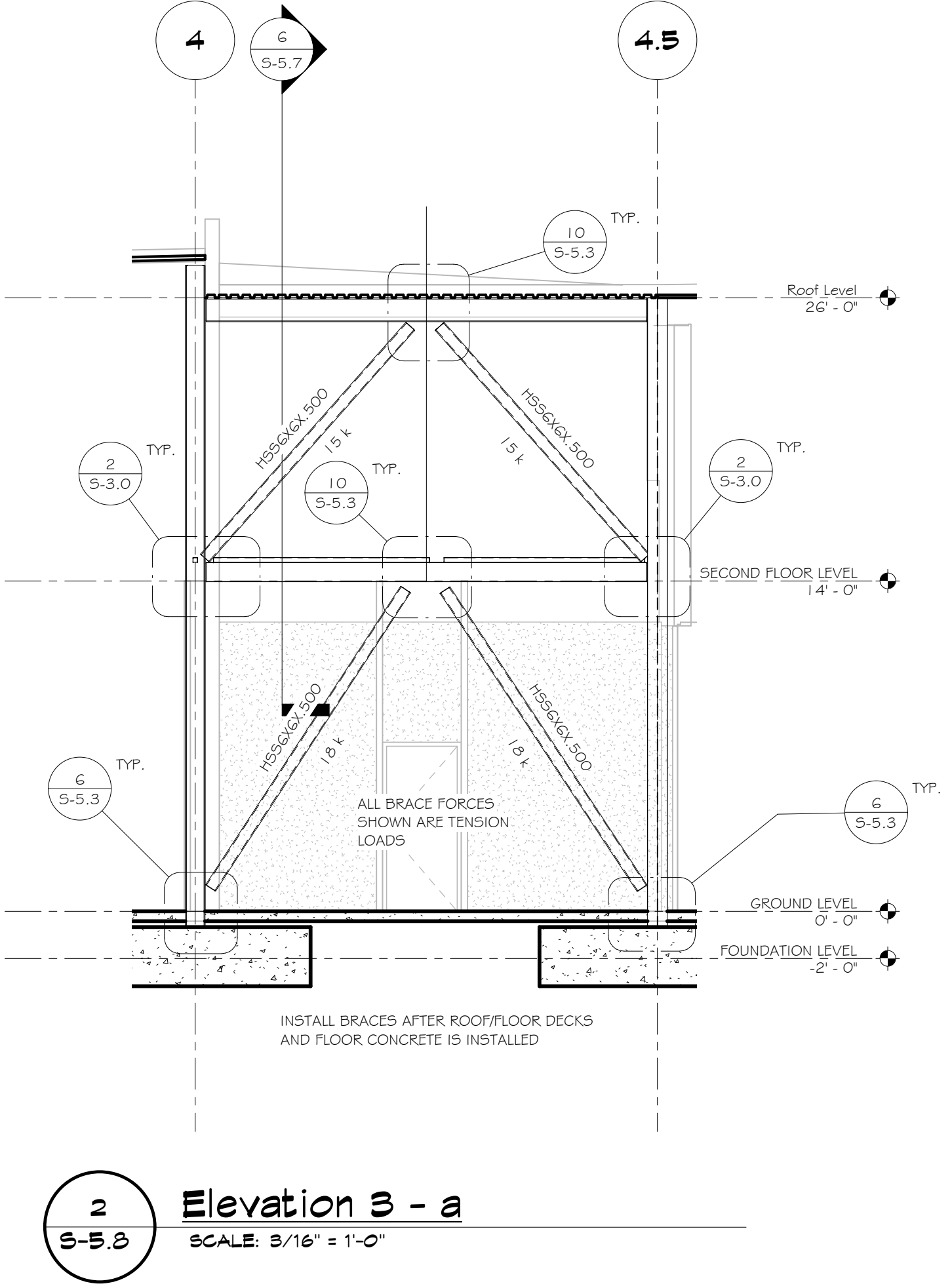
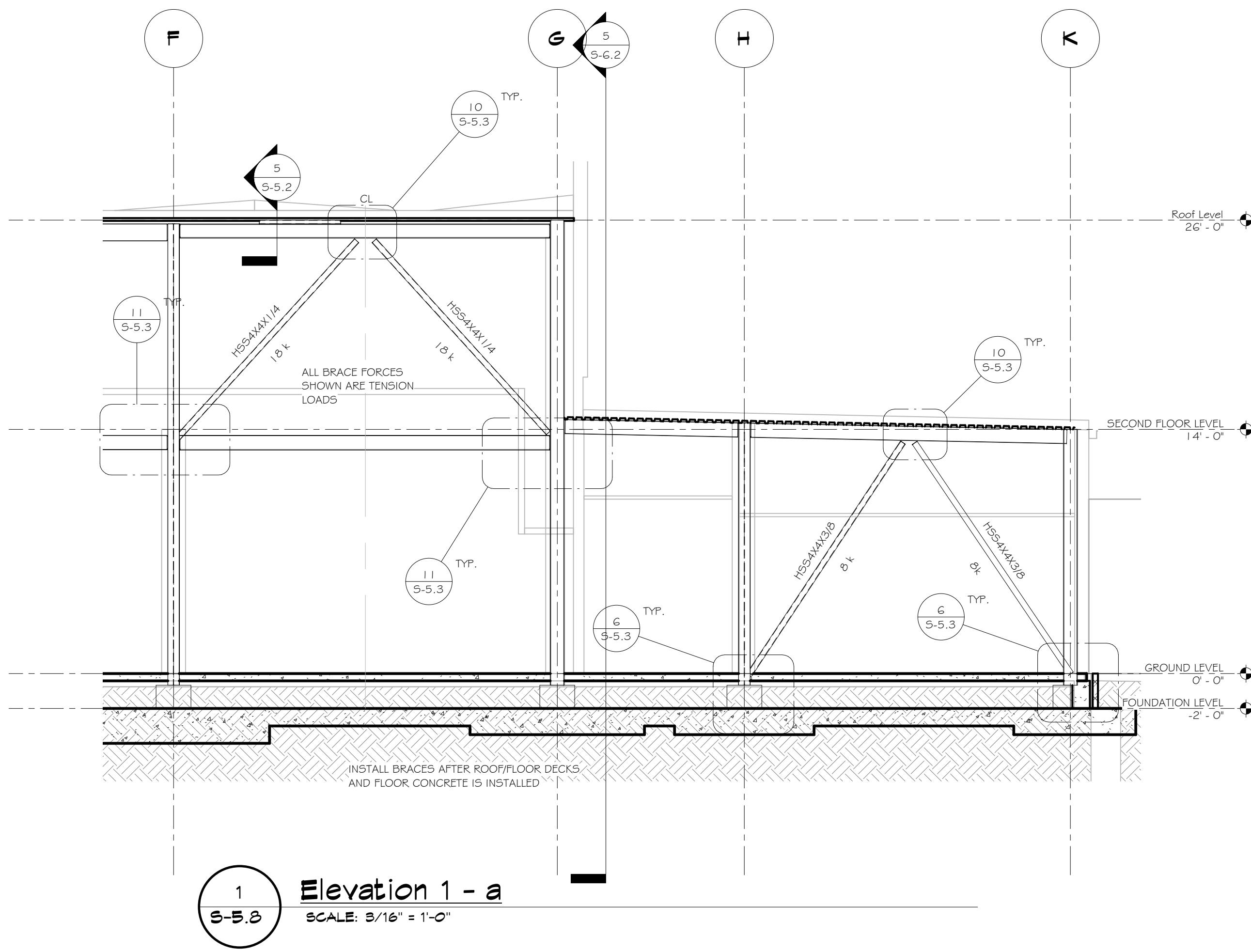
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SHEET NO.

S-5.8

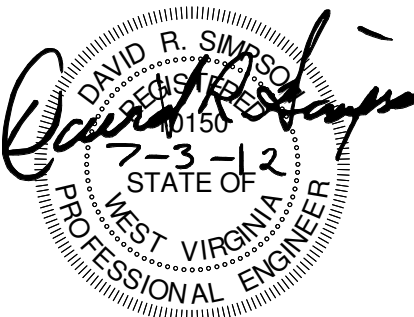




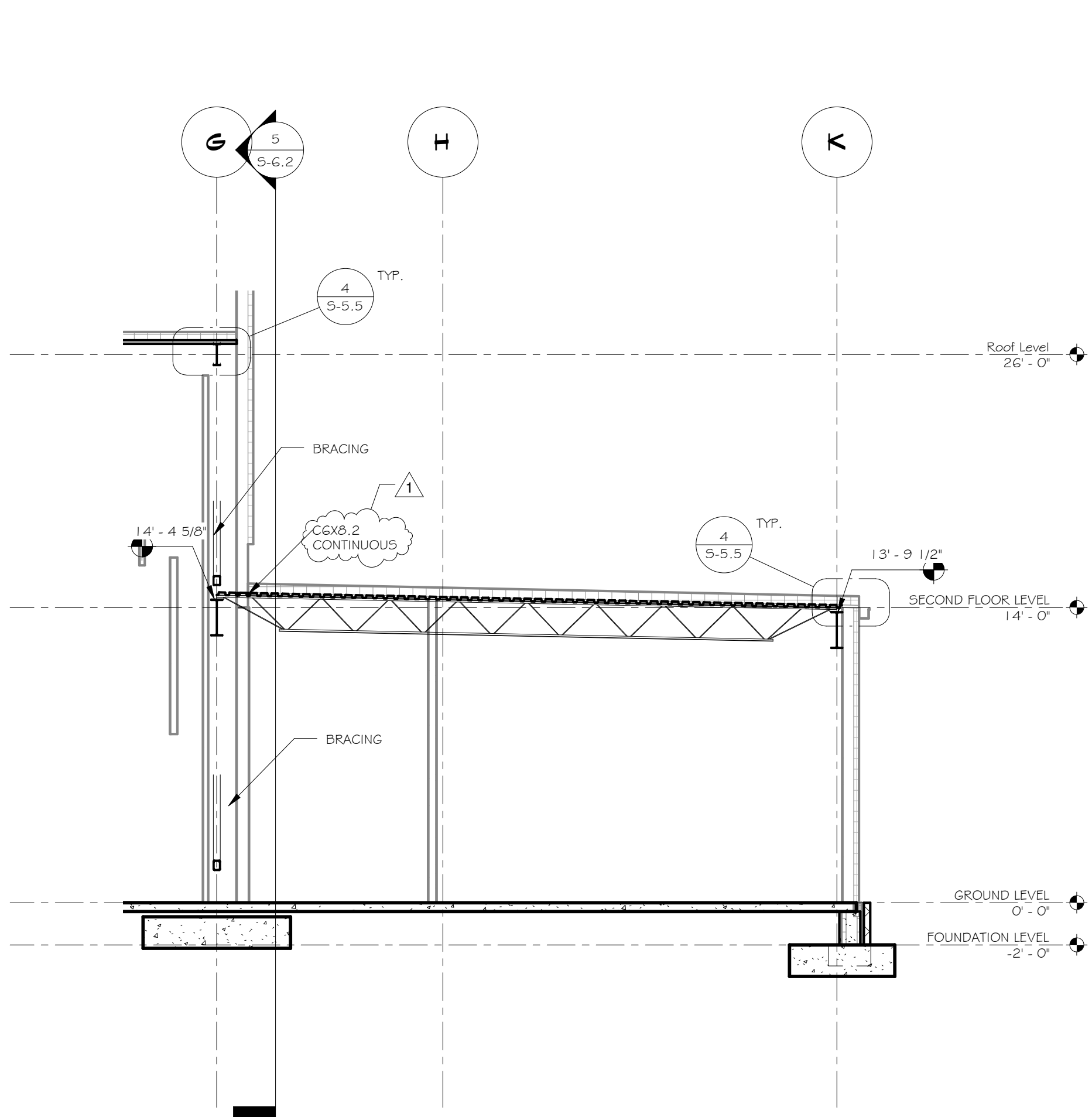
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PROJECT ISSUE DATE: JUNE 28, 2012	
SHEET ISSUE DATE: 04/29/12	
Drawing Revisions	
No.	Date
1	Adden #2 (7-30-12)

ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S-6.2

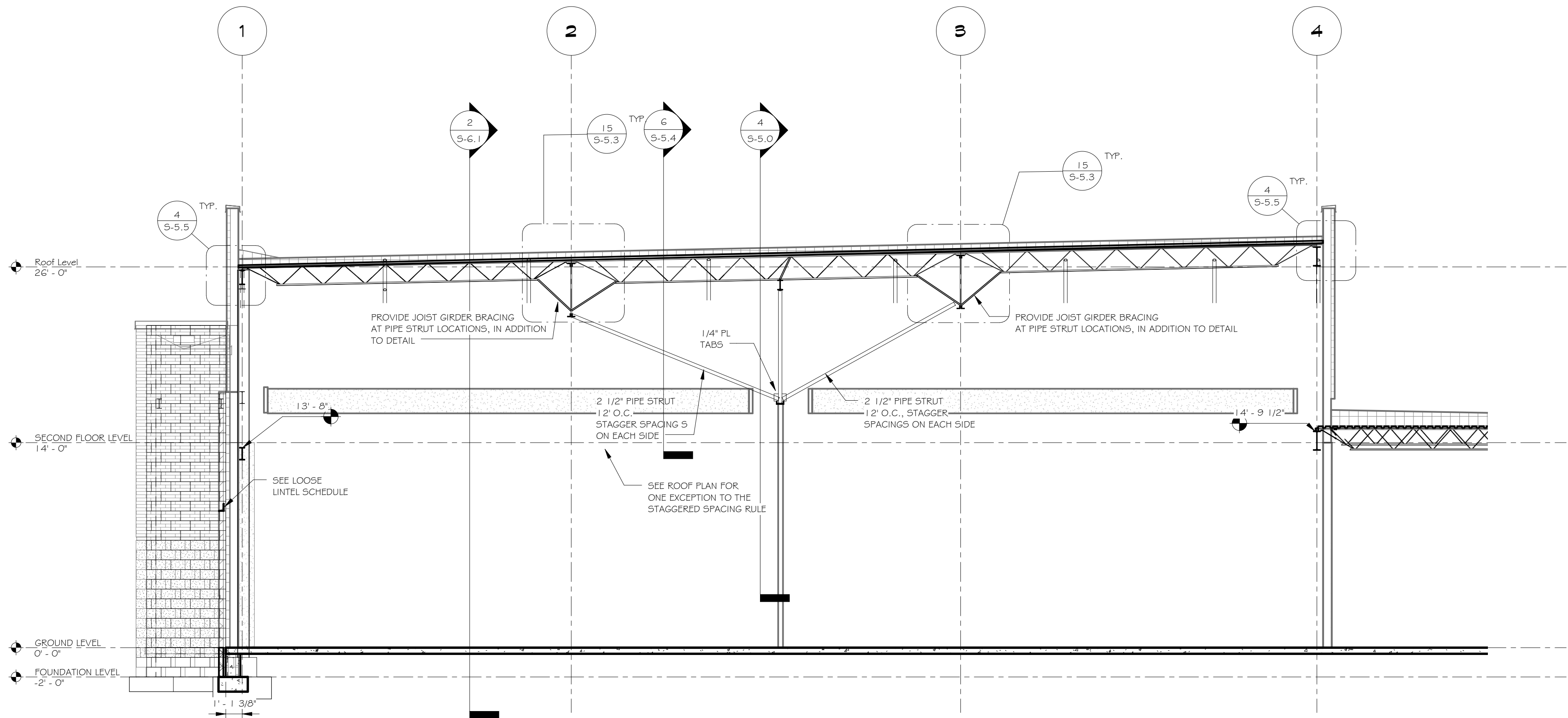
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- DESIGN DEVELOPMENT
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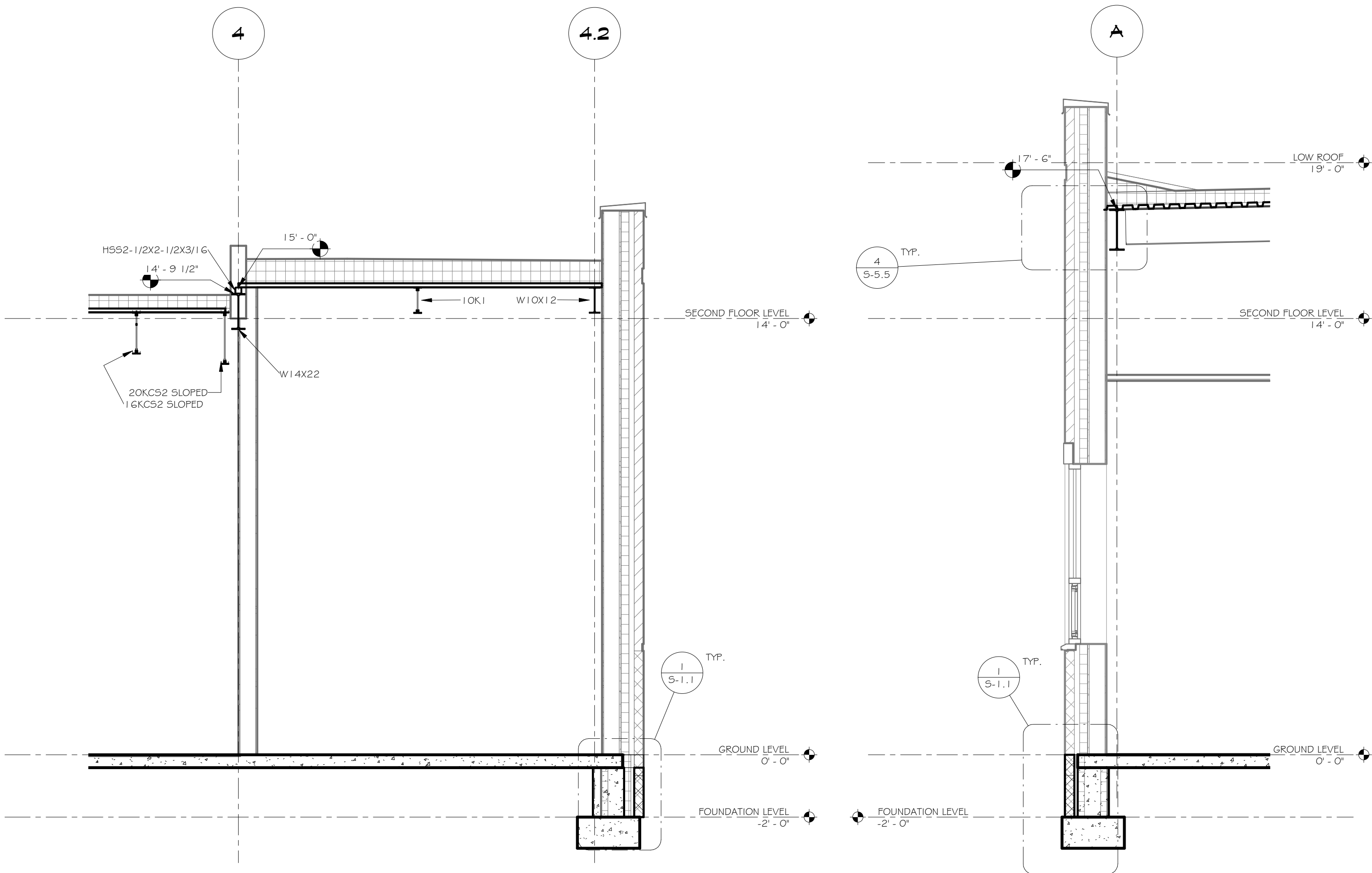
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1
S-6.2
SECTION THROUGH KITCHEN
SCALE: 3/16" = 1'-0"

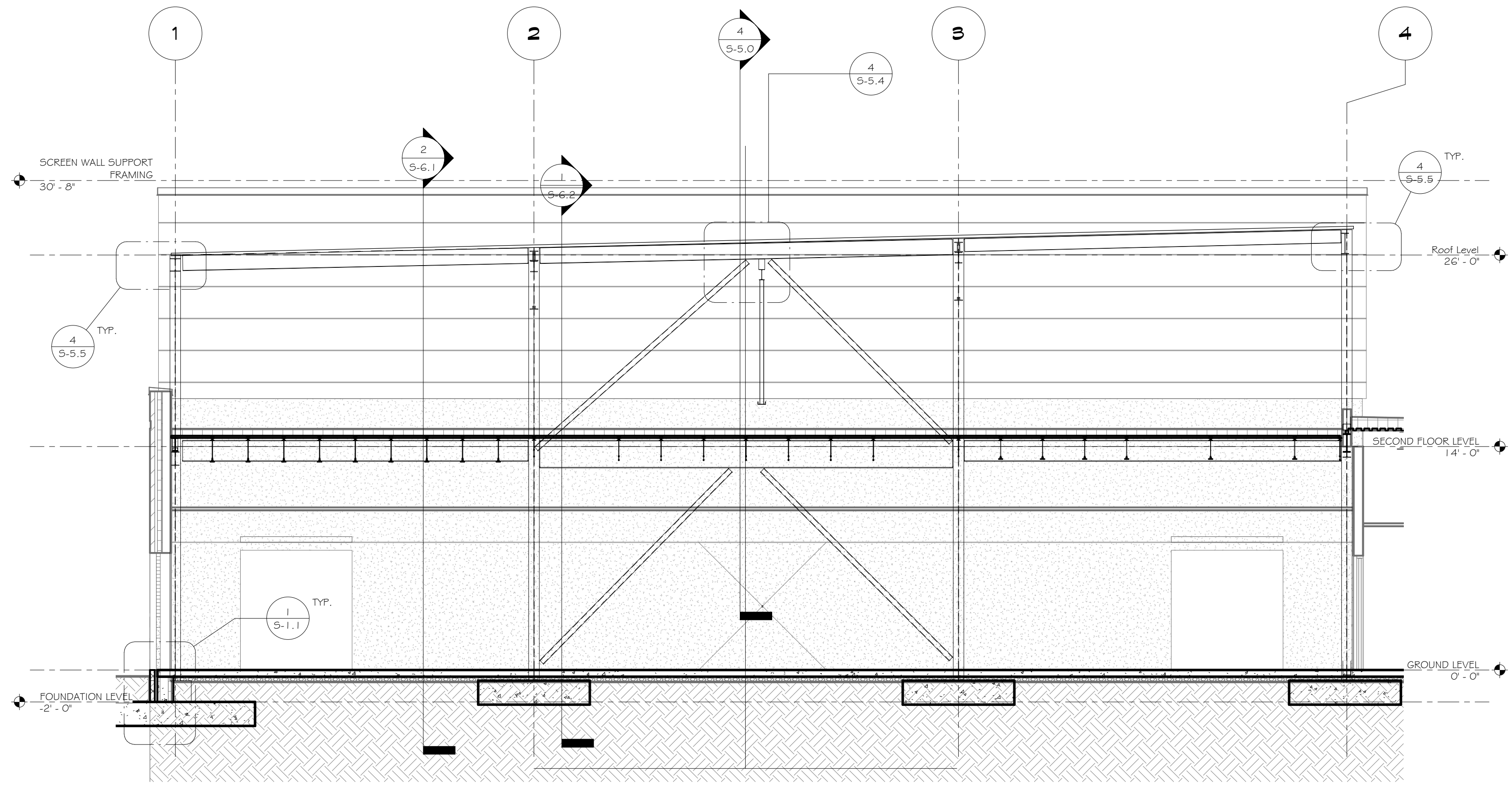


2
S-6.2
TRANSVERSE SECTION
THROUGH CONFERENCE
CENTER
SCALE: 3/16" = 1'-0"



3
S-6.2
SECTION THROUGH ROOM 134
SCALE: 3/8" = 1'-0"

4
S-6.2
WALL SECTION LINE A
SCALE: 3/8" = 1'-0"



5
S-6.2
SECTION ALONG LINE G
SCALE: 3/16" = 1'-0"



BUCKHANNON AFRC

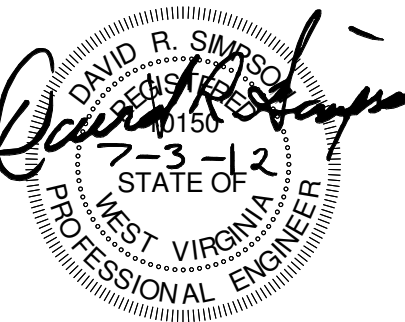
Buckhannon, WV

EXTERIOR ELEVATIONS

DRAWN BY: Author	
PROJECT ISSUE DATE: JUNE 28, 2012	
SHEET ISSUE DATE: 05/31/12	
Drawing Revisions	
No.	Date
1	Adden #2 (7-30-12)

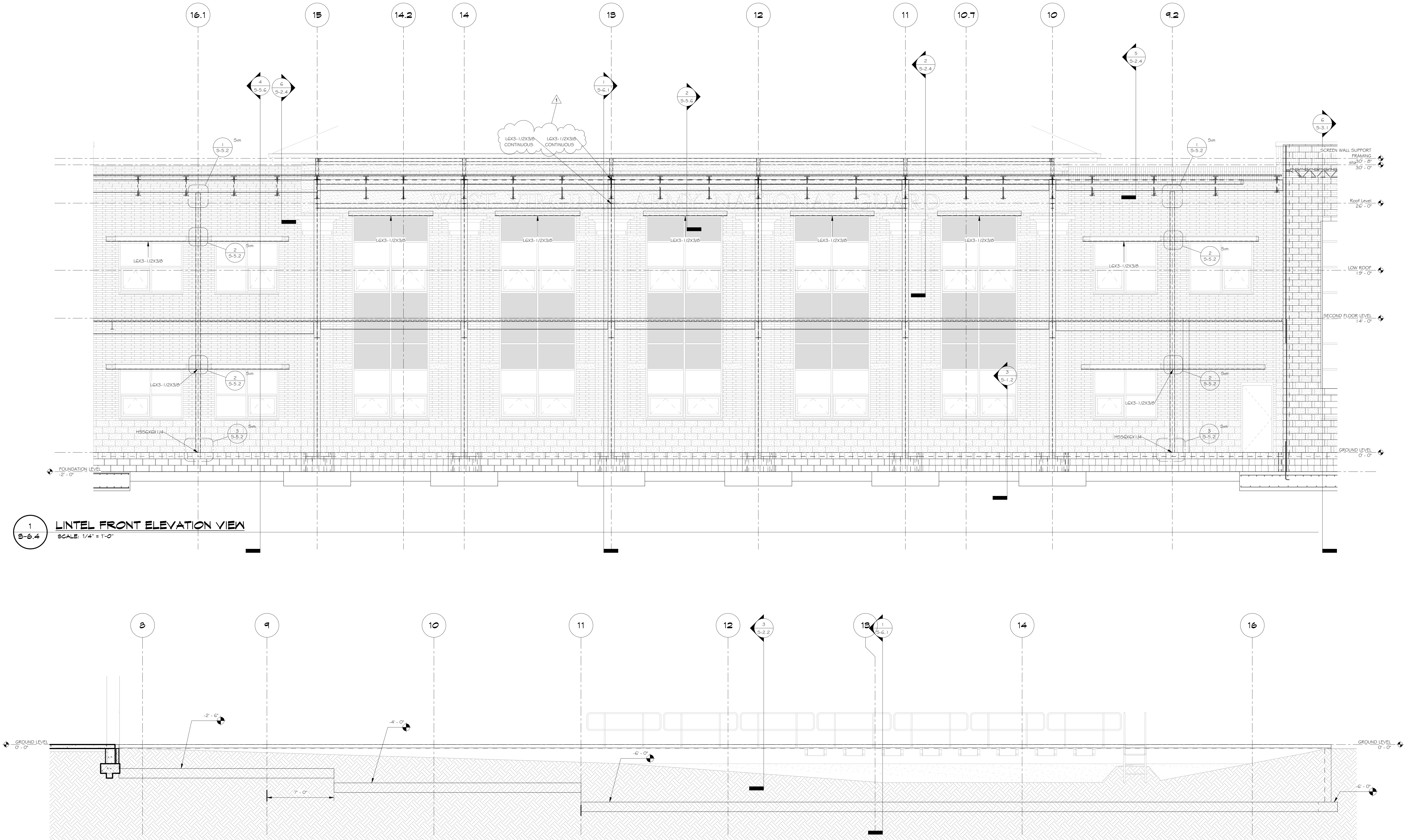
ARCHITECT PROJECT NUMBER: 21020
ARCHITECT CAD NUMBER: 21020 S6.4

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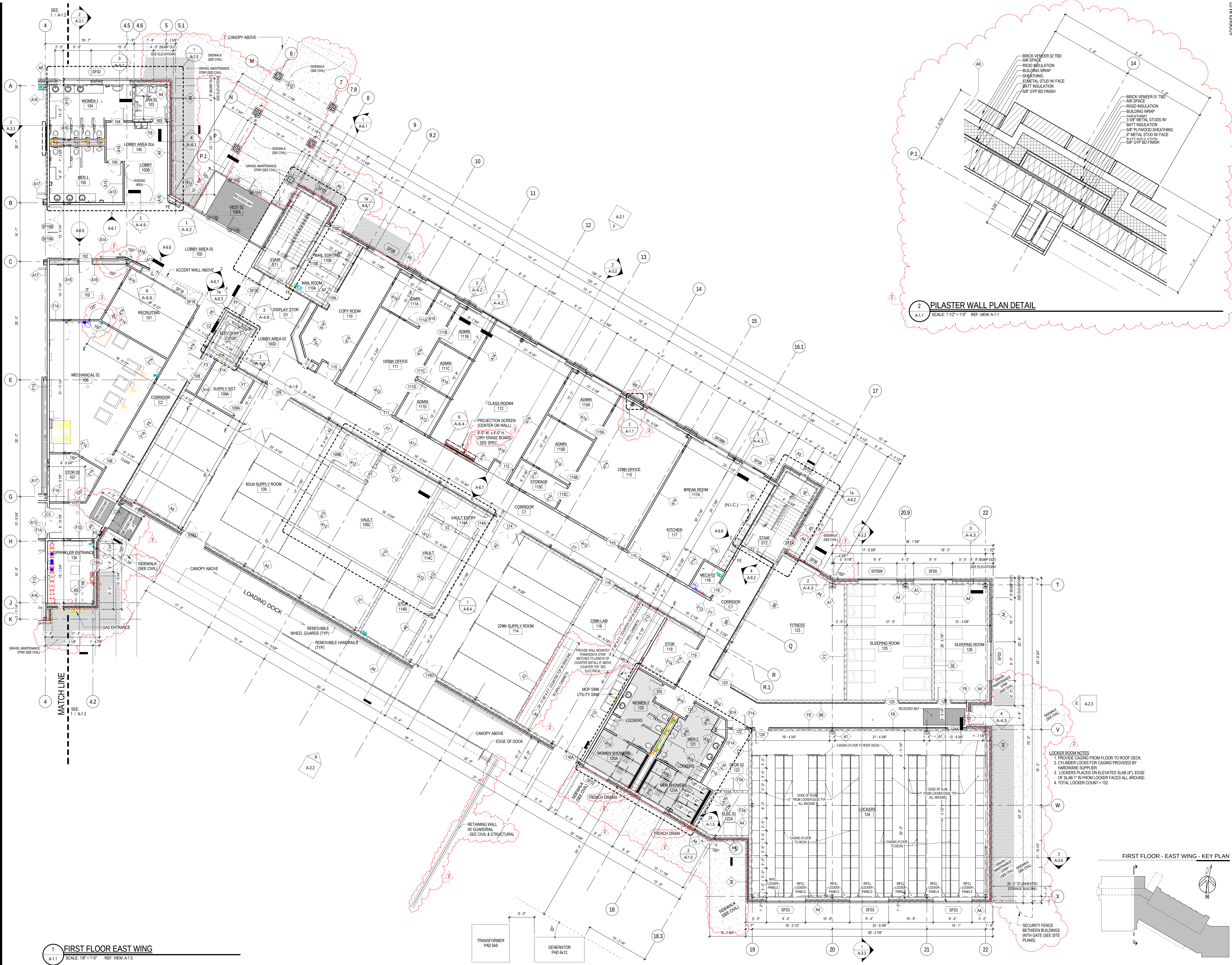
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SHEET NO.
S-6.4



1
S-6.4 LINTEL FRONT ELEVATION VIEW
SCALE: 1/4" = 1'-0"

2
S-6.4 LOADING DOCK ELEVATION
SCALE: 1/4" = 1'-0"



1 FIRST FLOOR EAST WING
A-1.1 SCALE: 1/8" = 1'-0" REF. VIEW: A-1.5

2 PILASTER WALL PLAN DETAIL
A-1.1 SCALE: 1/12" = 1'-0" REF. VIEW: A-1.1

FIRST FLOOR - EAST WING - KEY PLAN



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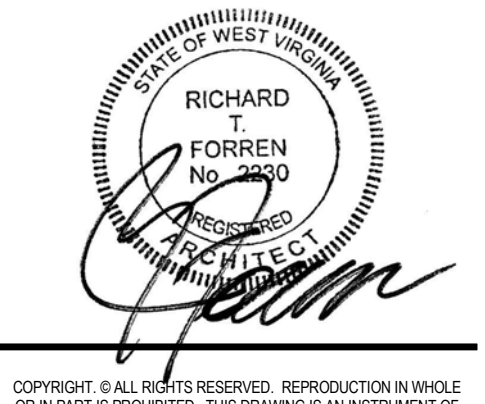
FIRST FLOOR EAST WING PLAN

DRAWN BY: jmm, gam	
PROJECT ISSUE DATE: 2012 JUNE 28	
SHEET ISSUE DATE: 2012 AUG 09	
Drawing Revisions	
No.	Date
2	2012 AUG 09

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 A-1.1

APPROVED DRAWING USE:

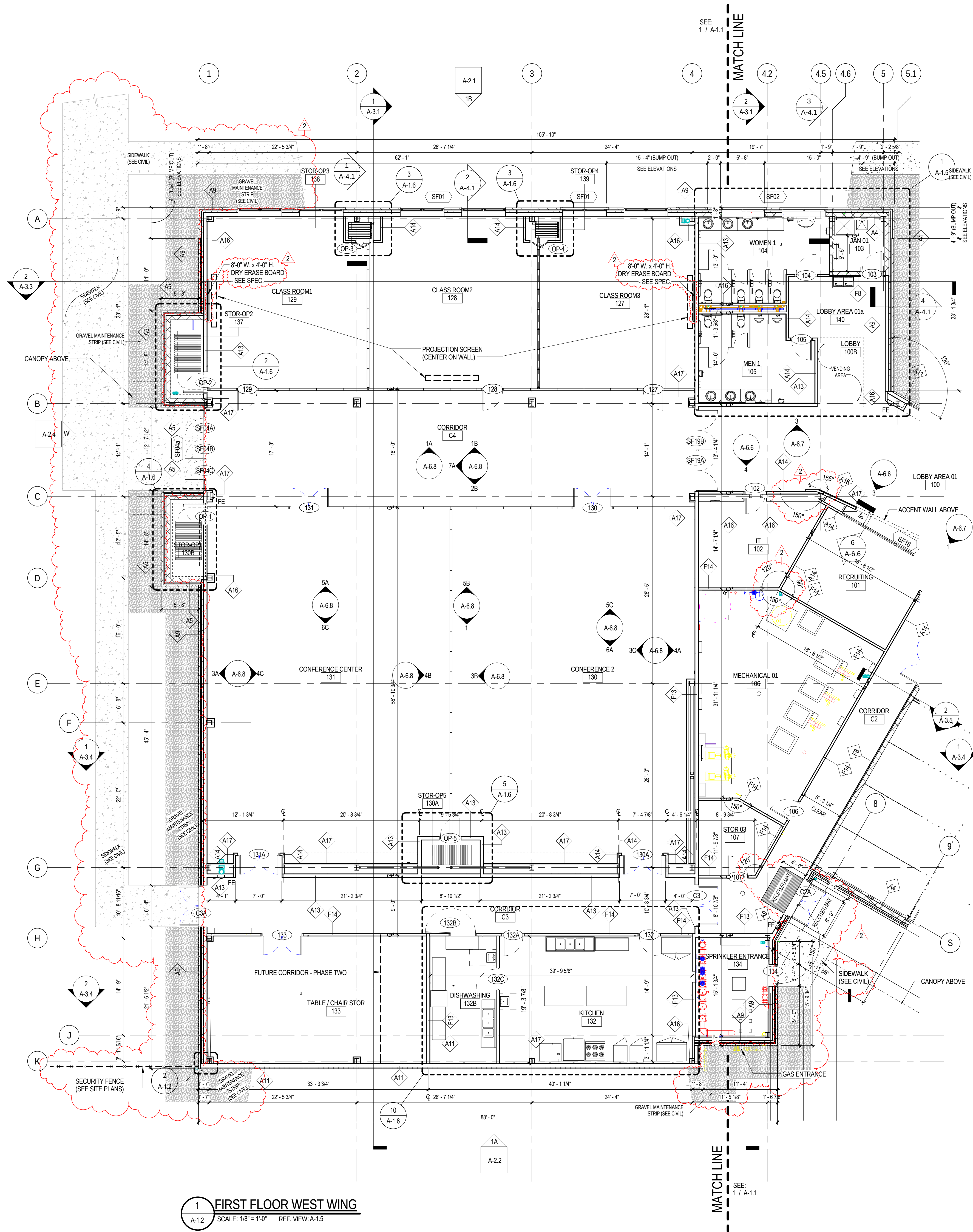
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- PROGRESS
- PERMIT ACQUISITION
- FOR BIDDING
- CONSTRUCTION DOCUMENT



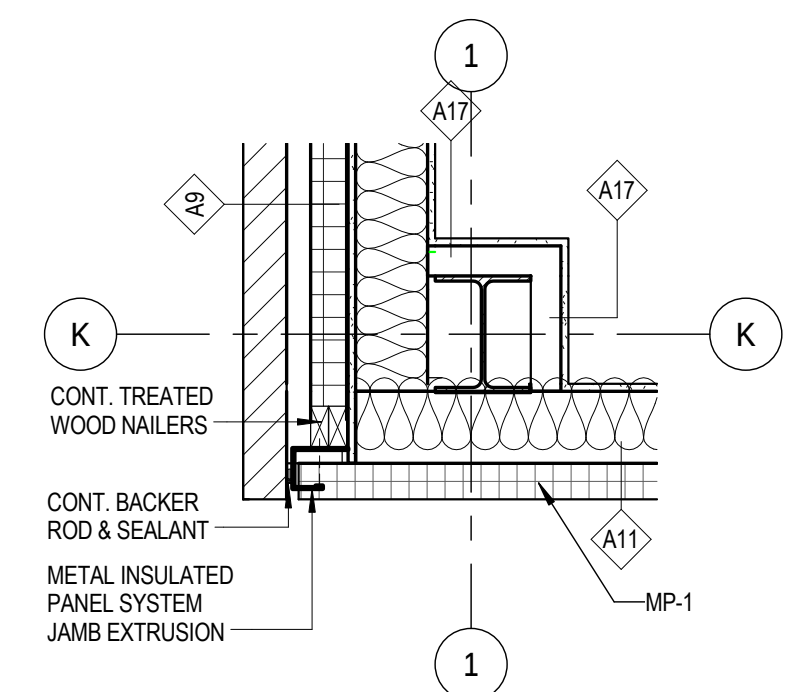
RICHARD J. FORREN
No. 10000
STATE OF WEST VIRGINIA
Professional Engineer

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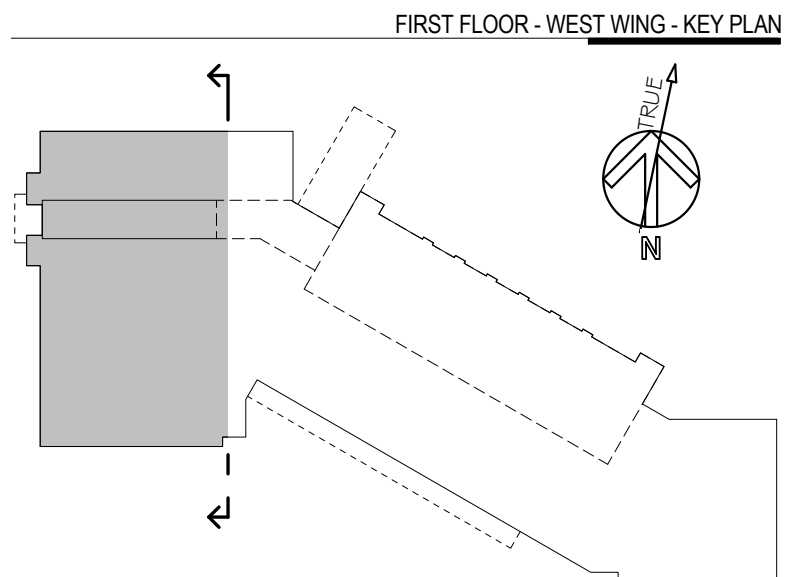
SHEET NO.
A-1.1



1 FIRST FLOOR WEST WING
A-1.2 SCALE: 1/8" = 1'-0" REF. VIEW: A-1.5



2 CORNER DETAIL
A-1.2 SCALE: 3/4" = 1'-0" REF. VIEW: A-1.1



ADDENDUM 02



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FIRST FLOOR WEST WING PLAN

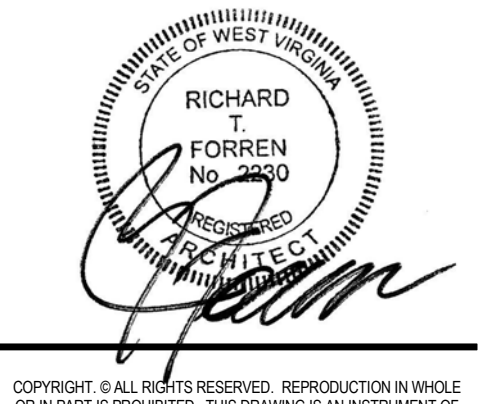
DRAWN BY: jmm, gam
PROJECT ISSUE DATE: 2012 JUNE 28
SHEET ISSUE DATE:

Drawing Revisions	
No.	Date
2	2012 AUG. 09

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 A-1.2

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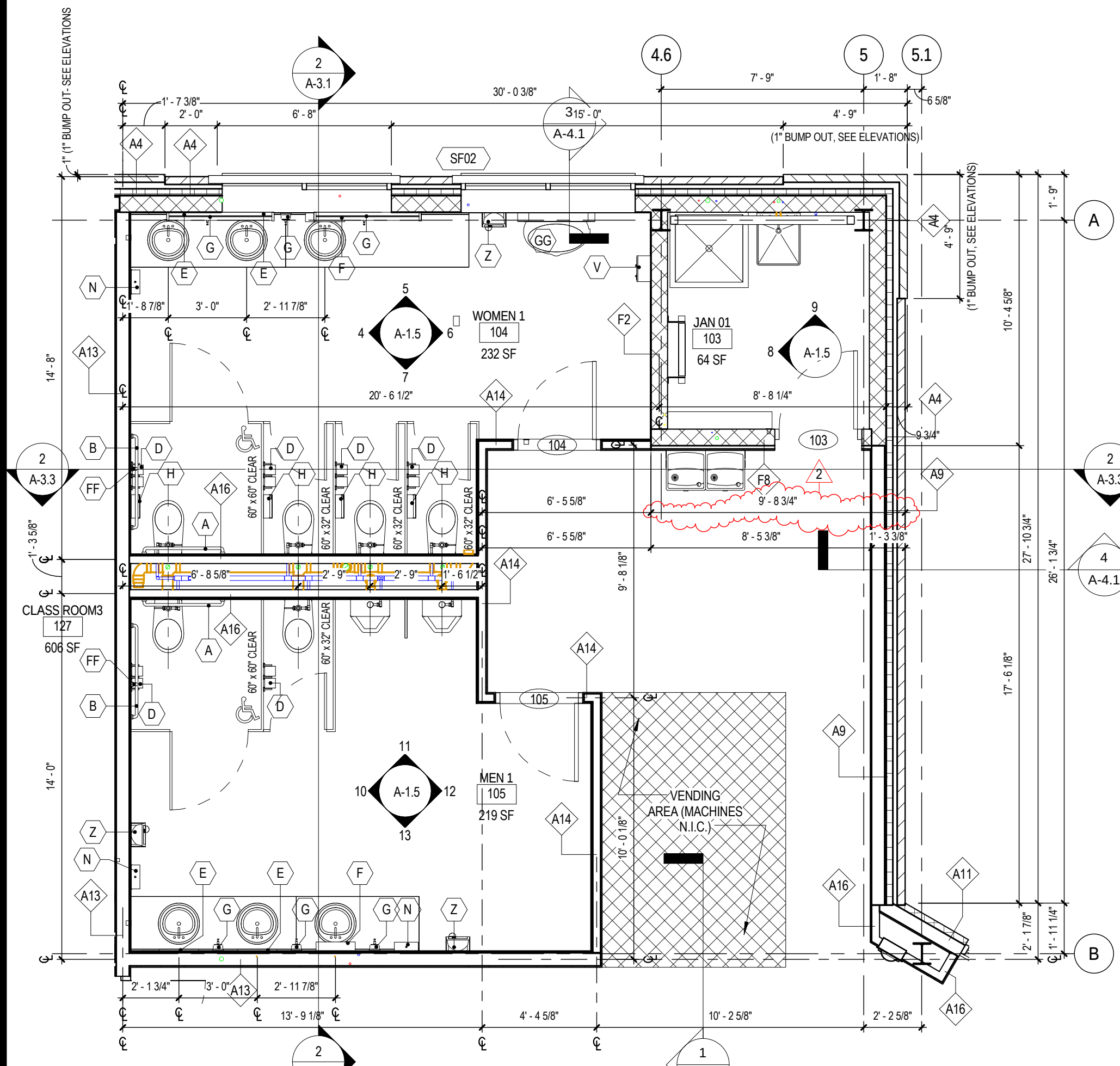


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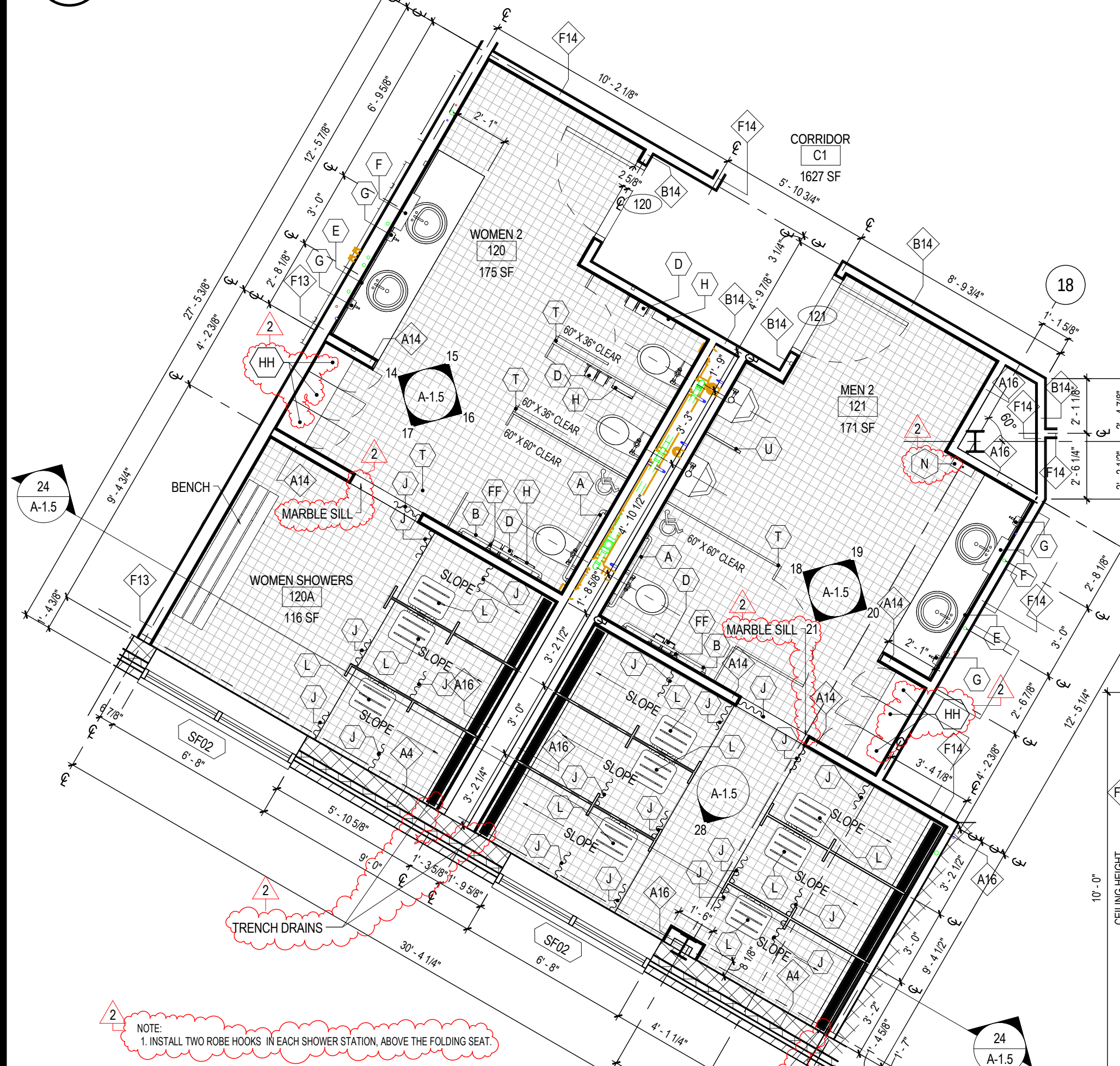
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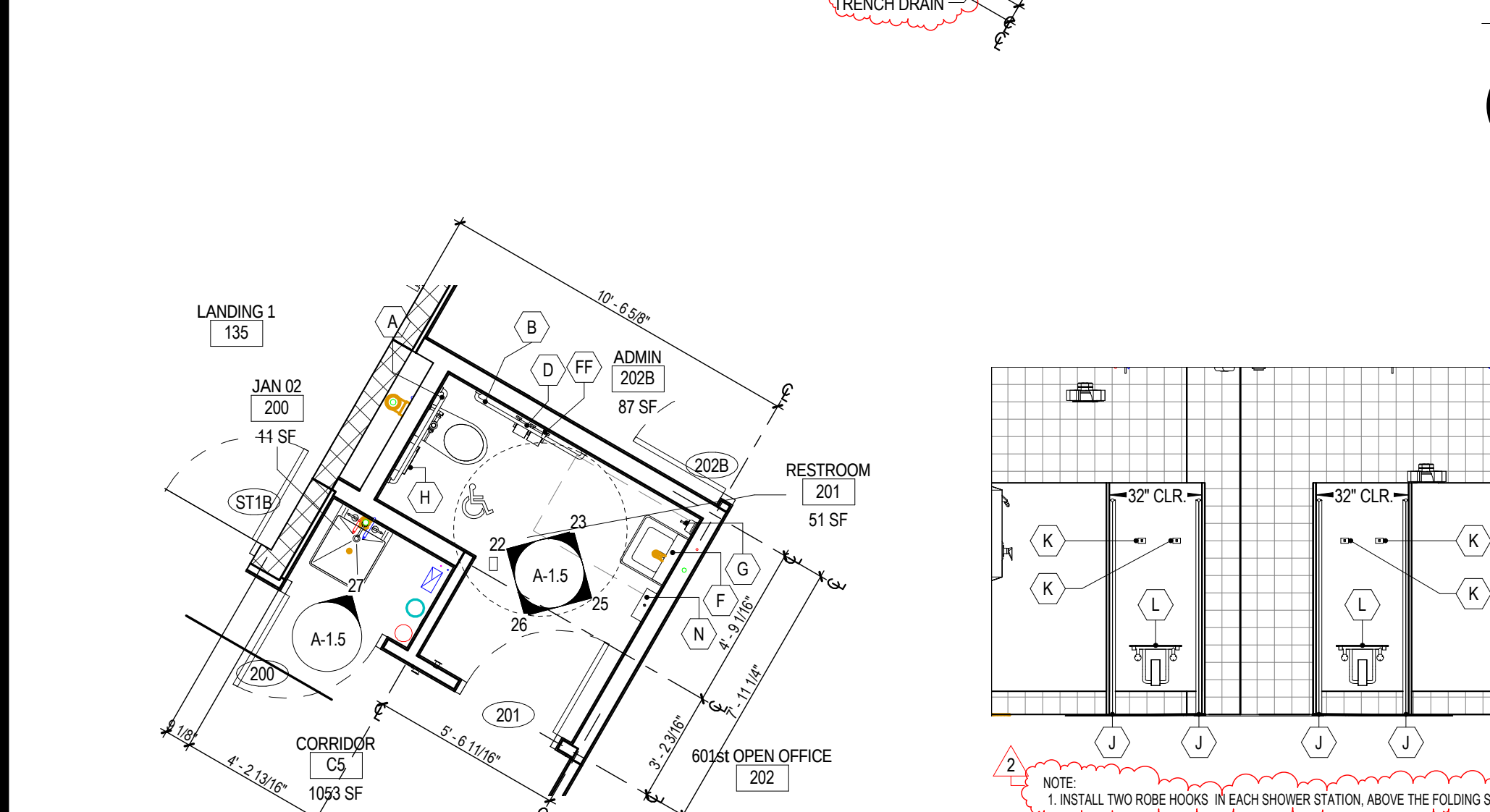
A-1.2



1 ENLARGED FIRST FLOOR RESTROOM
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.1



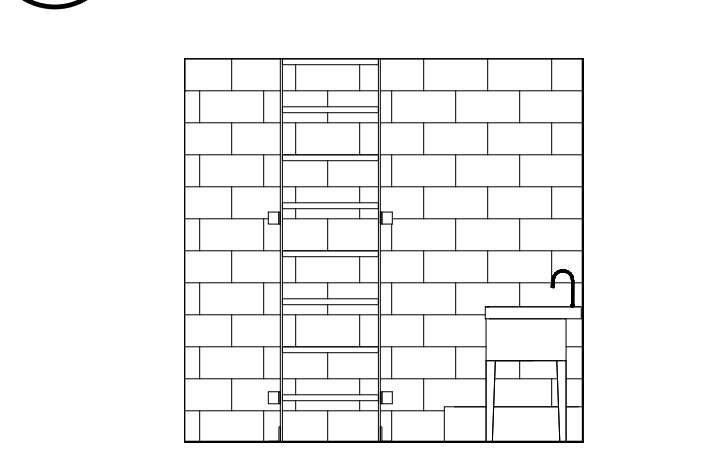
2 ENLARGED SHOWER/TOILET ROOMS
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.1



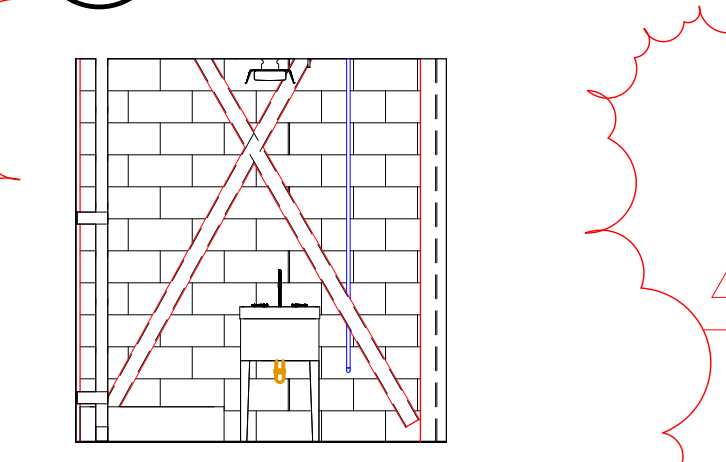
3 ENLARGED TOILET RM 201
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.3

- FIXTURE LEGEND**
NOTE: MANUFACTURER & MODEL NUMBERS ARE LISTED AS A BASIS OF DESIGN REFERENCE
- A 36" GRAB BAR - 1 1/2" O.D. HEAVY DUTY STAINLESS STEEL BRADLEY MODEL 812-2 OR SIM.
 - B 42" GRAB BAR - 1 1/2" O.D. HEAVY DUTY STAINLESS STEEL BRADLEY MODEL 812-2 OR SIM.
 - C 20" GRAB BAR - 1 1/2" O.D. HEAVY DUTY STAINLESS STEEL BRADLEY MODEL 812-2 OR SIM.
 - D TOILET PAPER HOLDER - SURFACE MOUNTED BRADLEY MODEL 5234 OR SIM.
 - E 24" X 36" MIRROR BRADLEY MODEL 780-2436 OR SIM.
 - F 24" X 36" TILT MIRROR BRADLEY MODEL 780-2436 OR SIM.
 - G LIQUID SOAP DISPENSER - SURFACE MOUNTED BRADLEY MODEL 5192 OR SIM.
 - H SANITARY NAPKIN DISPOSAL - SURFACE MOUNTED BRADLEY MODEL 4722-15 OR SIM.
 - I SHOWER CURTAIN ROD BRADLEY MODEL 9539 OR SIM.
 - J ROBE HOOK BRADLEY MODEL 932 OR SIM.
 - K ADA SHOWER SEAT BRADLEY MODEL 996-30561-30 OR SIM.
 - L PAPER TOWEL DISPENSER BRADLEY MODEL 250-15 OR SIM.
 - M 18" VERTICAL GRAB BAR BRADLEY MODEL 812-2 OR SIM.
 - N PAPER TOWEL DISPENSER / WASTE RECEPTACLE BRADLEY MODEL 238-11 OR SIM.
 - O TOILET PARTITION - FLOOR & CEILING ANCHORED
 - P URINAL PARTITION - WALL HUNG
 - Q SANITARY NAPKIN DISPENSER BRADLEY MODEL 426
 - R UNDER LAVATORY GUARDS TRUEBRO - LAV-GUARD OR SIM.
 - S SOAP DISH BRADLEY MODEL 900 OR SIM.
 - T 30" GRAB BAR - 1 1/2" O.D. HEAVY DUTY STAINLESS STEEL BRADLEY MODEL 812-2 OR SIM.
 - U AUTOMATIC ELECTRIC HAND DRYER AEROK 2902-287400 OR SIM.
 - V TOWEL BAR BRADLEY MODEL 926
 - W RECESSED FACE TISSUE DISP. BRADLEY MODEL 967-78
 - X RETRACTABLE CLOTHESLINE BRADLEY MODEL 5124
 - Y COUNTER SOAP DISPENSER BRADLEY 6234 OR SIM.
 - Z RECESSED TOILET TISSUE DISPENSER BRADLEY MODEL 5124
 - AA 20" VERTICAL GRAB BAR - 1 1/2" O.D. BRADLEY MODEL 812-2 OR SIM.
 - BB BABY CHANGING STATION BRADLEY 960-11 OR SIM.
 - CC 2 TIER LOCKER (15"W X 15"D X 72"H) ON 4" BASE

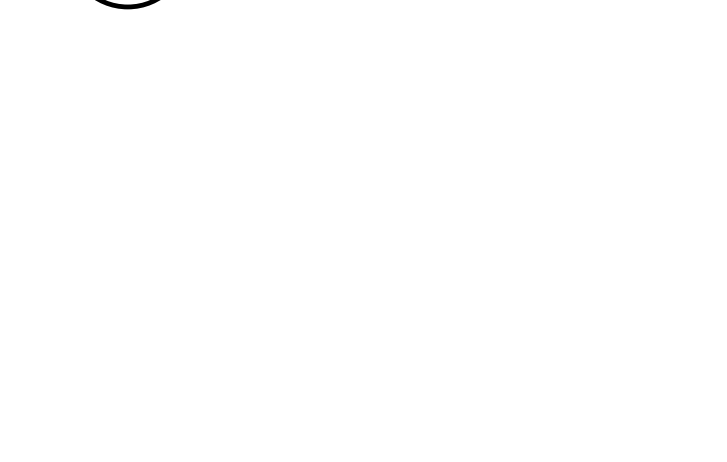
4 WOMENS W/C RM 104 ELEV A
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



5 WOMENS W/C RM 104 ELEV B
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



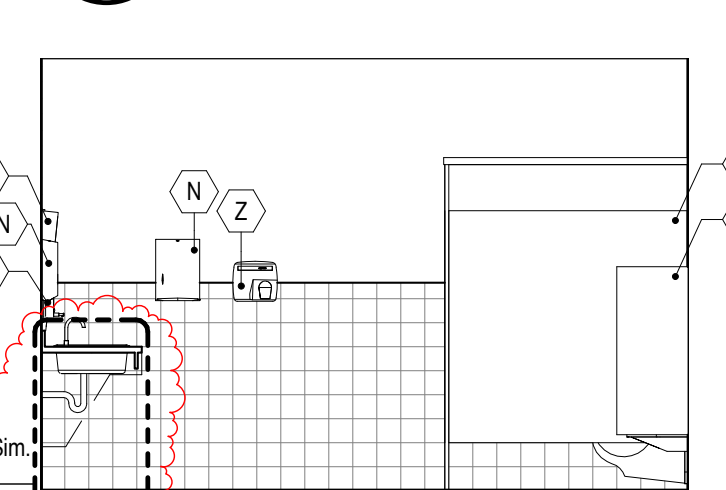
6 WOMENS W/C RM 104 ELEV C
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



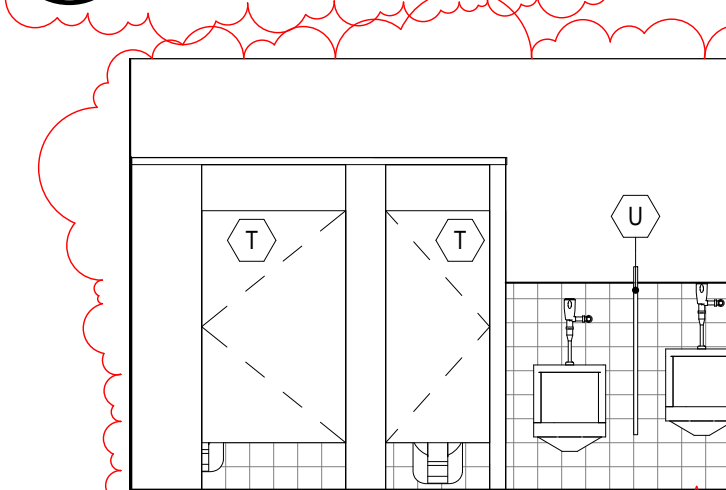
7 WOMENS W/C RM 104 ELEV D
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



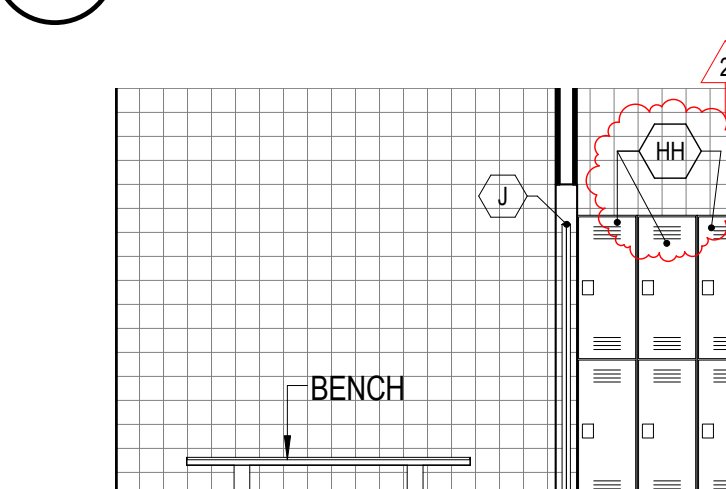
8 JAN 01 RM 103 ELEV A
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



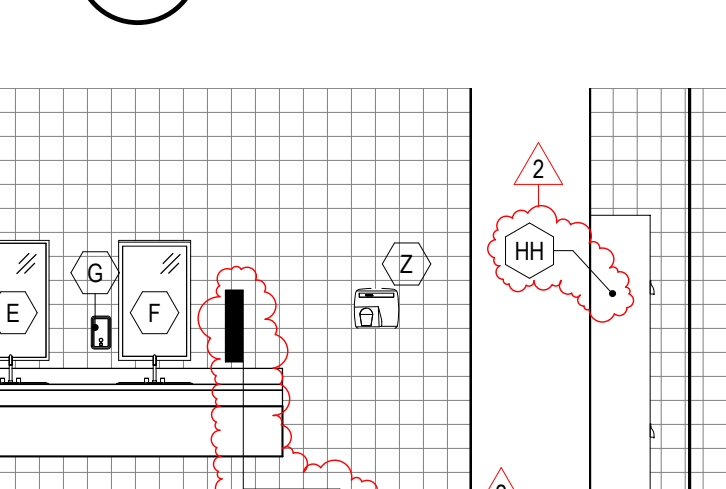
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A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



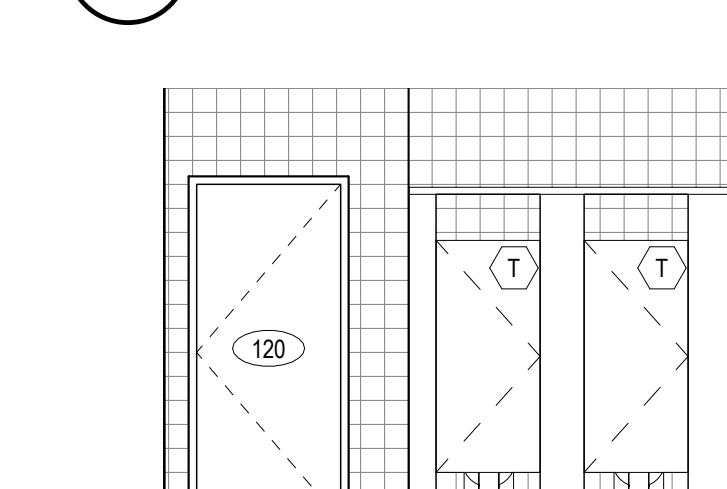
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A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



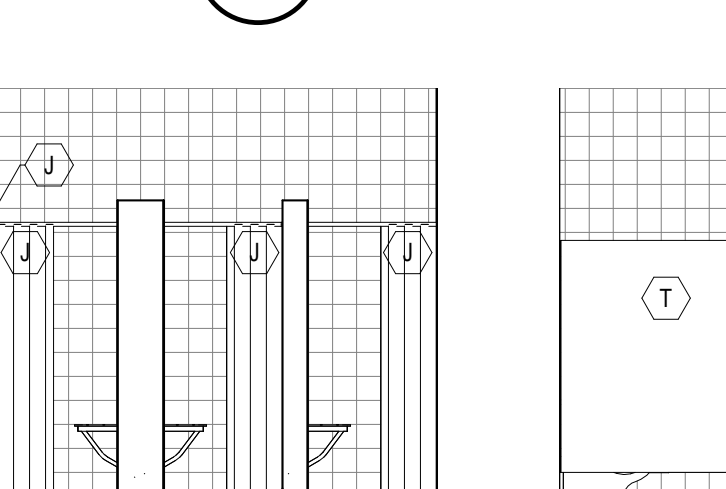
11 MENS W/C RM 105 ELEV B
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



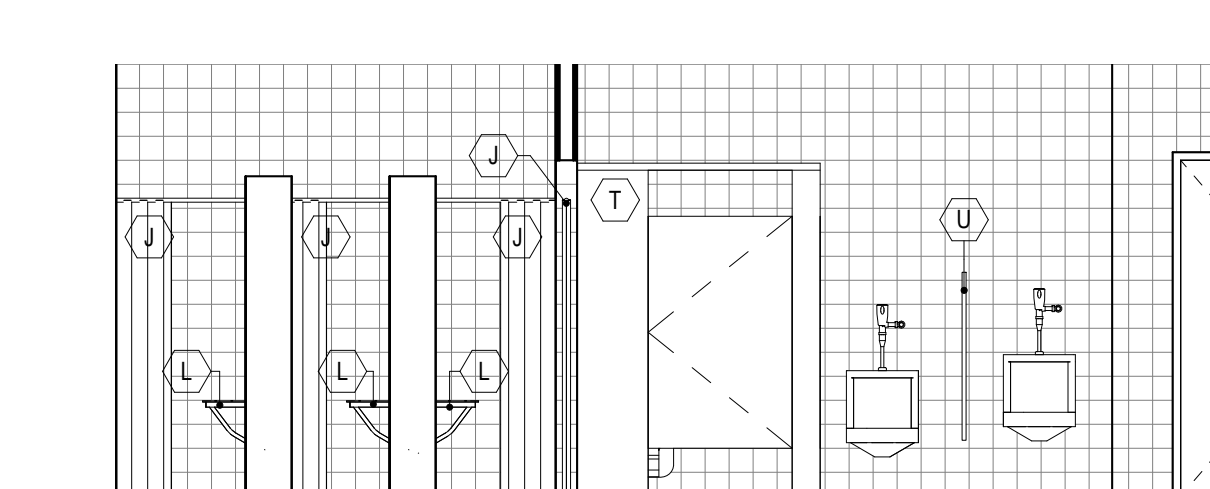
12 MENS W/C RM 105 ELEV C
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



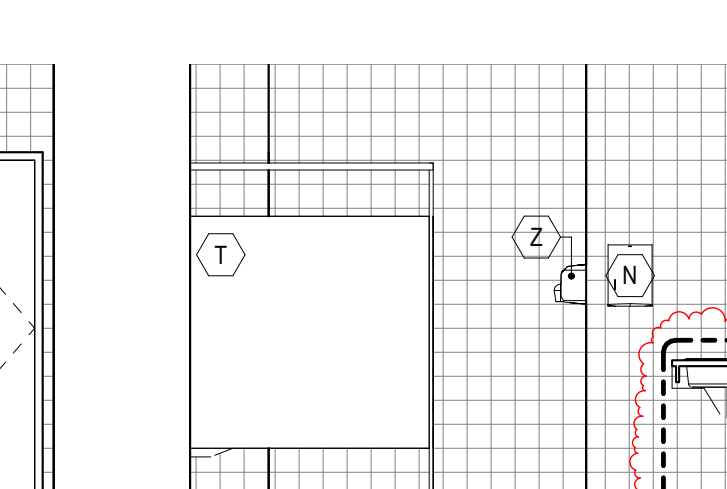
13 MENS W/C RM 105 ELEV D
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



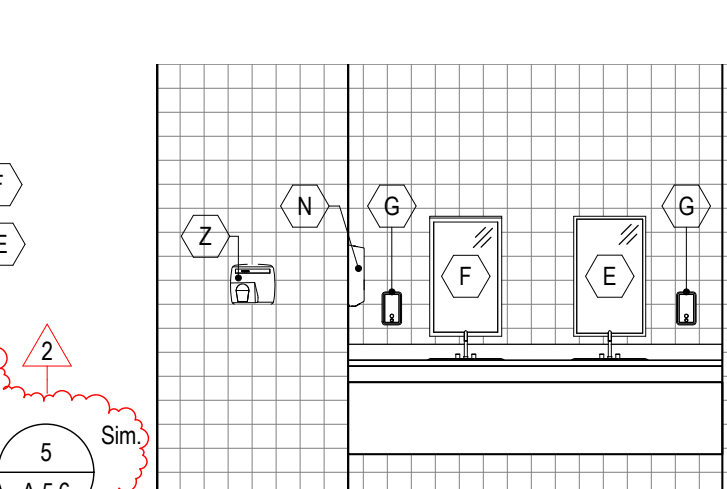
14 WOMENS W/C RM 120 & SHOWERS RM 120A ELEV A
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



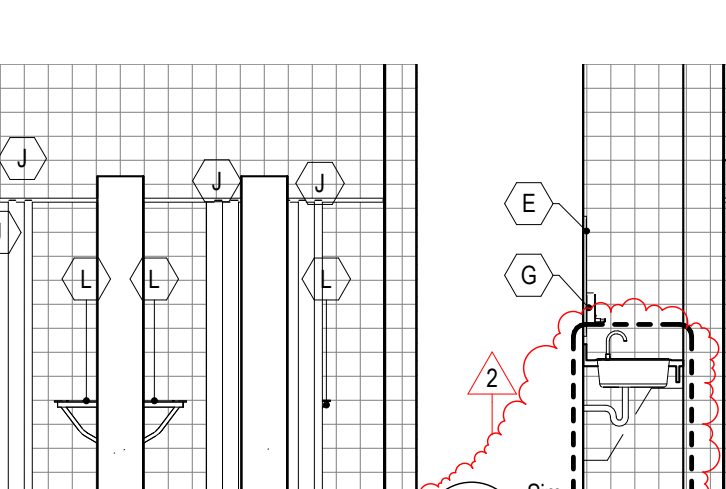
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A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



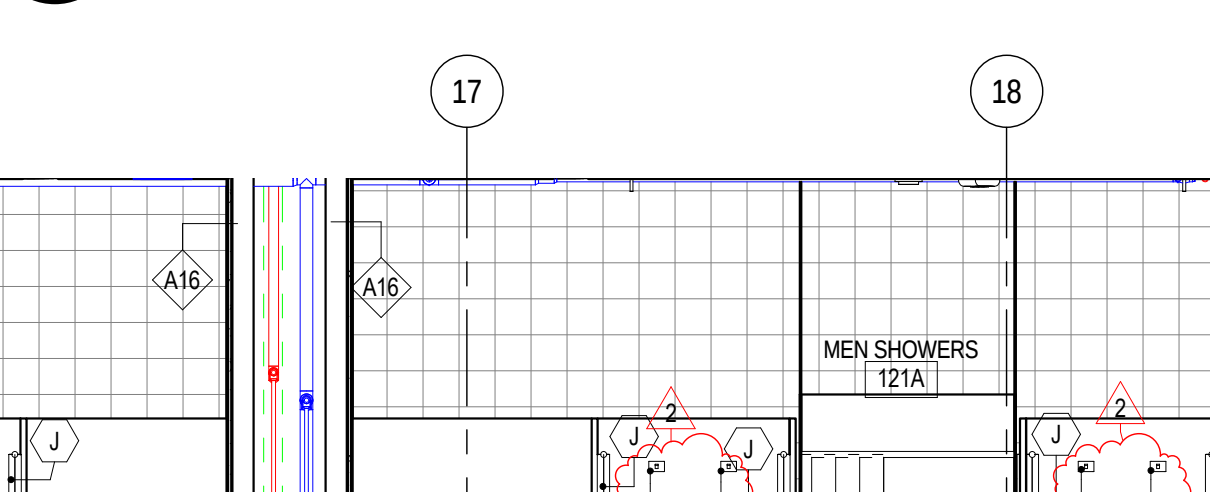
16 WOMENS W/C RM 120 & SHOWERS RM 120A ELEV C
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



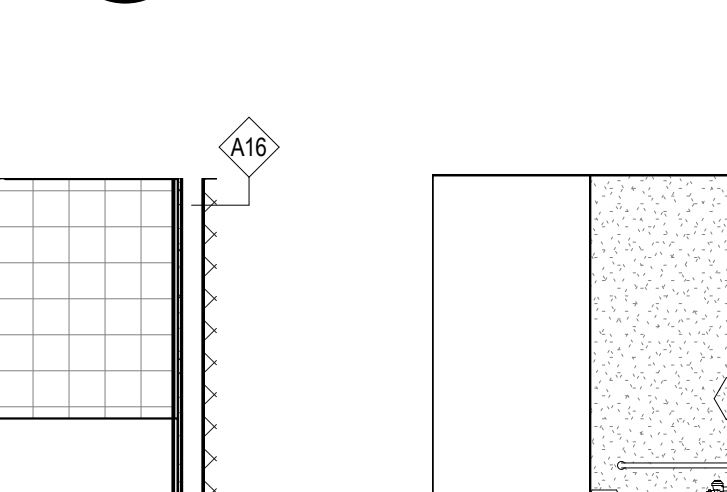
17 WOMENS W/C RM 120 ELEV D
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



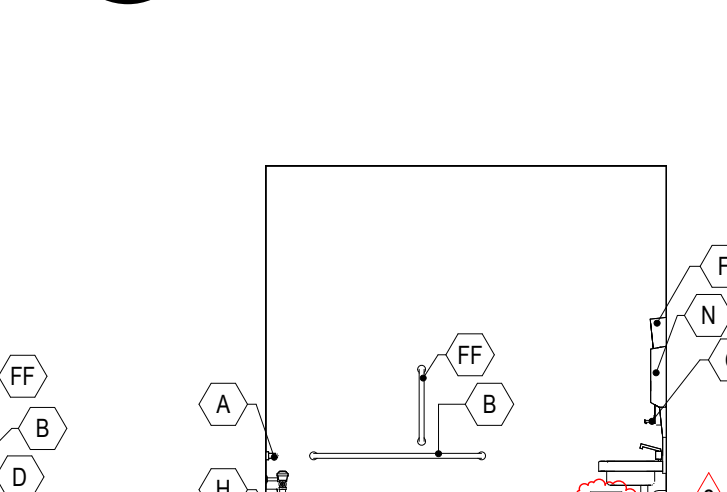
18 MENS W/C RM 121 & SHOWERS RM 121A ELEV A
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



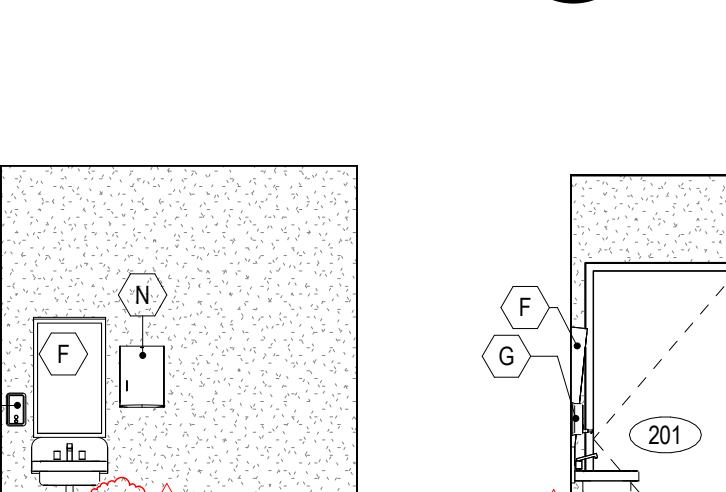
19 MENS W/C RM 121 ELEV B
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



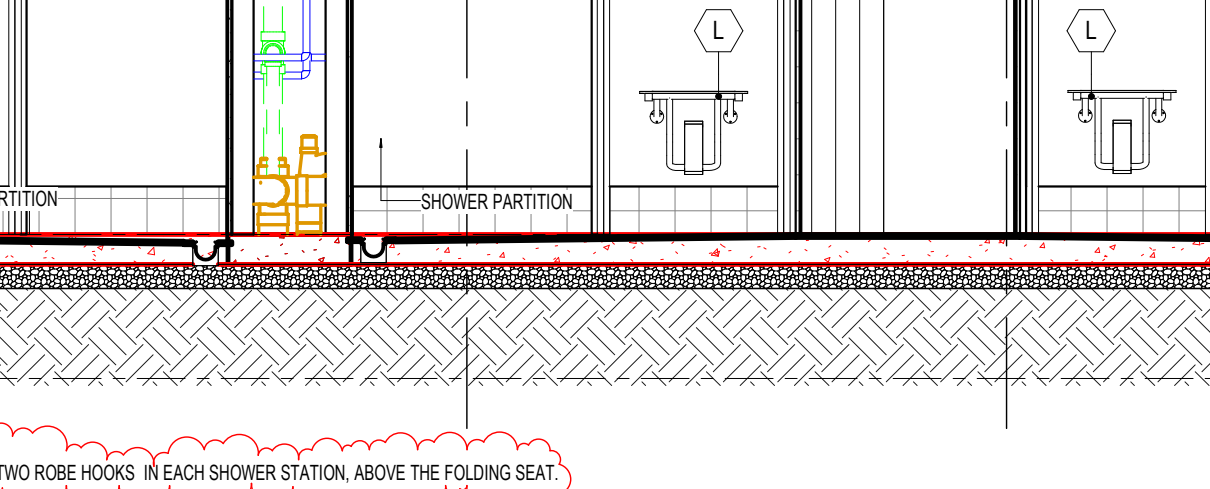
20 MENS W/C RM 121 & SHOWERS RM 121A ELEV C
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



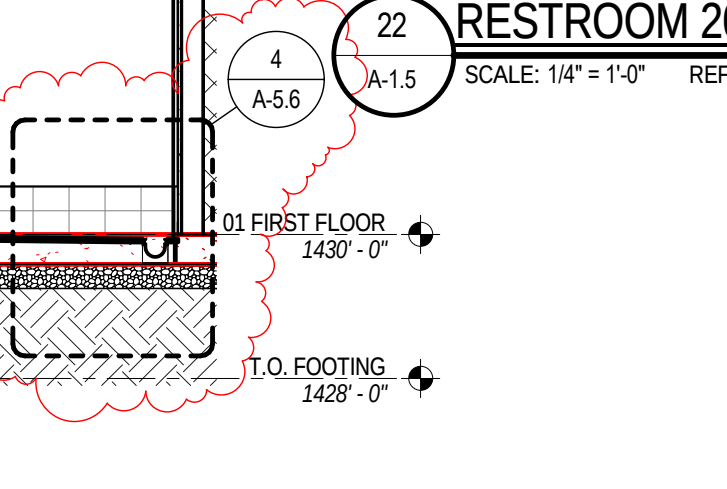
21 MENS W/C RM 121 ELEV D
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



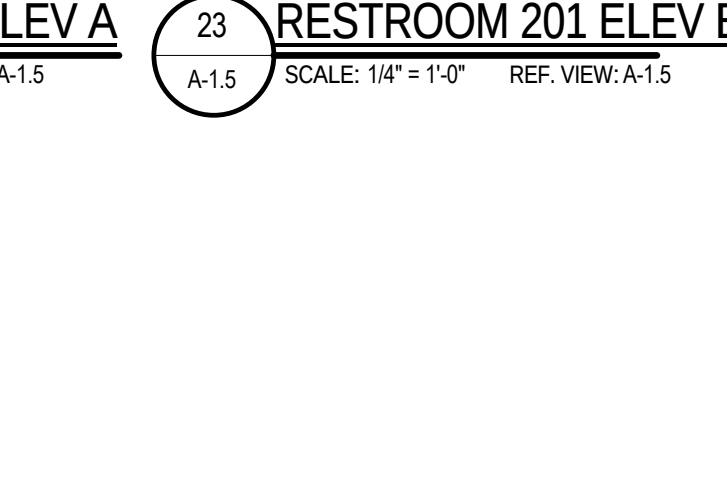
22 RESTROOM 201 ELEV A
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



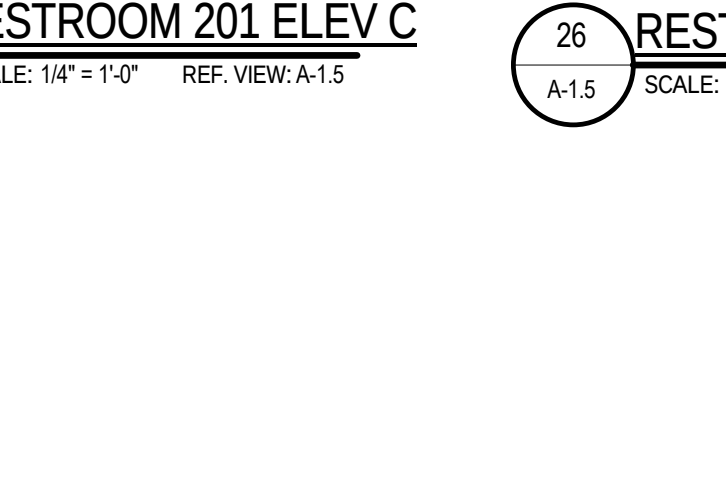
23 RESTROOM 201 ELEV B
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



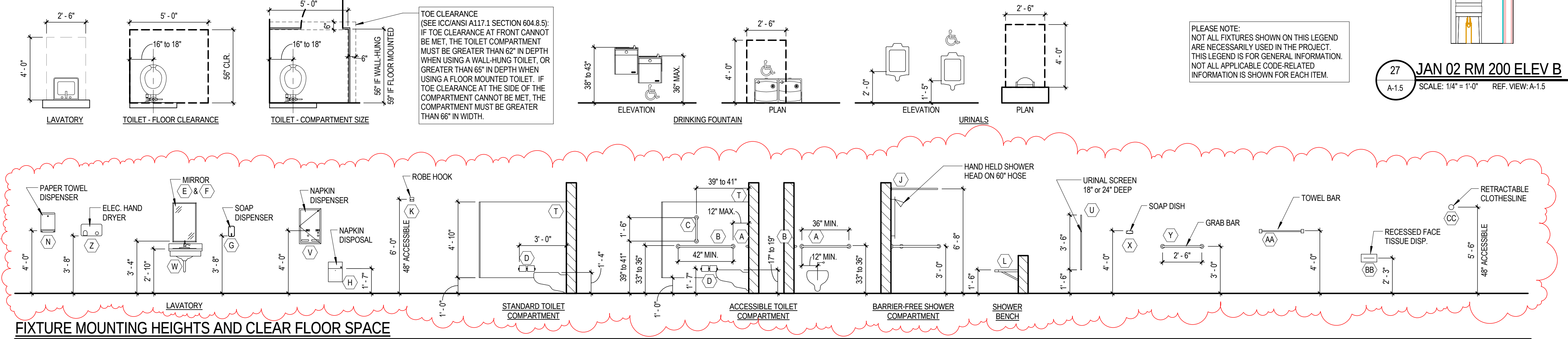
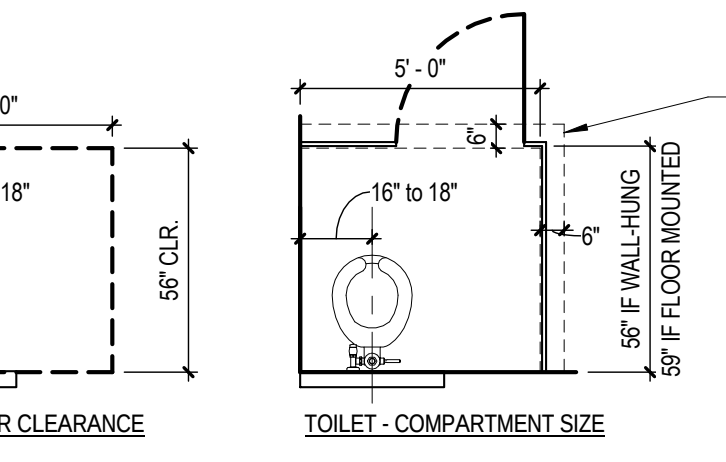
25 RESTROOM 201 ELEV C
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



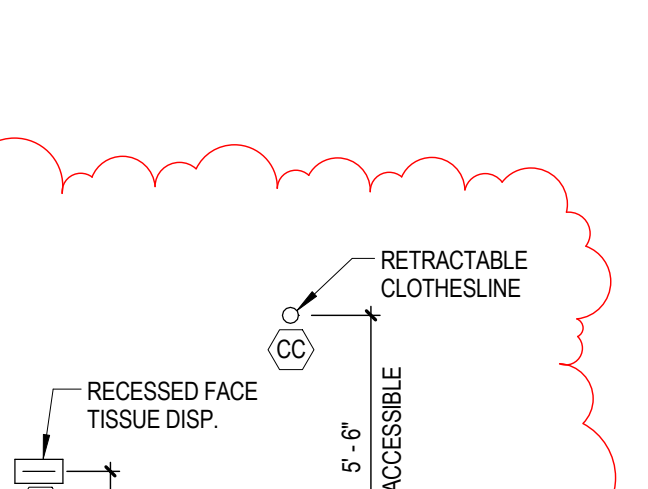
26 RESTROOM 201 ELEV D
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



24 SECTION AT SHOWERS
A-1.5 SCALE: 3/8" = 1'-0" REF. VIEW: A-1.1

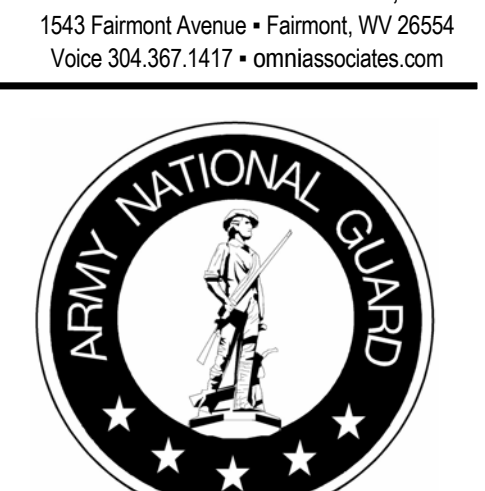


27 JAN 02 RM 200 ELEV B
A-1.5 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5





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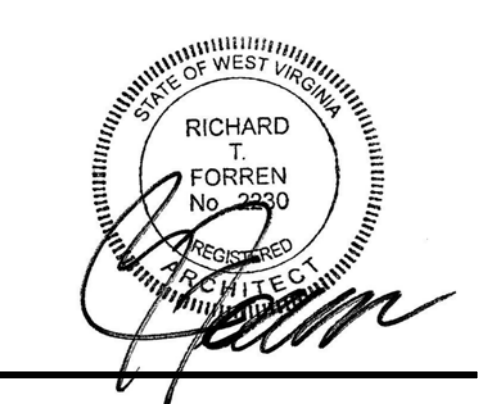
DRAWN BY: gam, jrm, gam
PROJECT ISSUE DATE: 2012 JUNE 28
SHEET ISSUE DATE: 2012 AUG 09

No.	Date
2	2012 AUG 09

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 A-1.5

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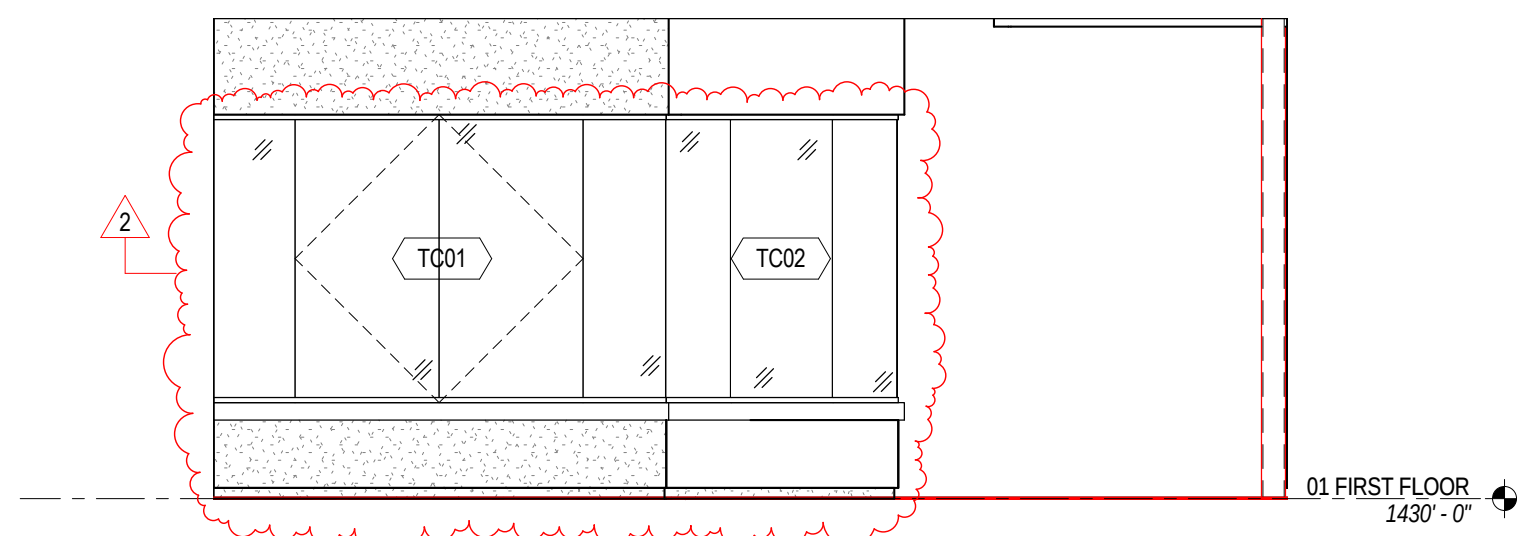


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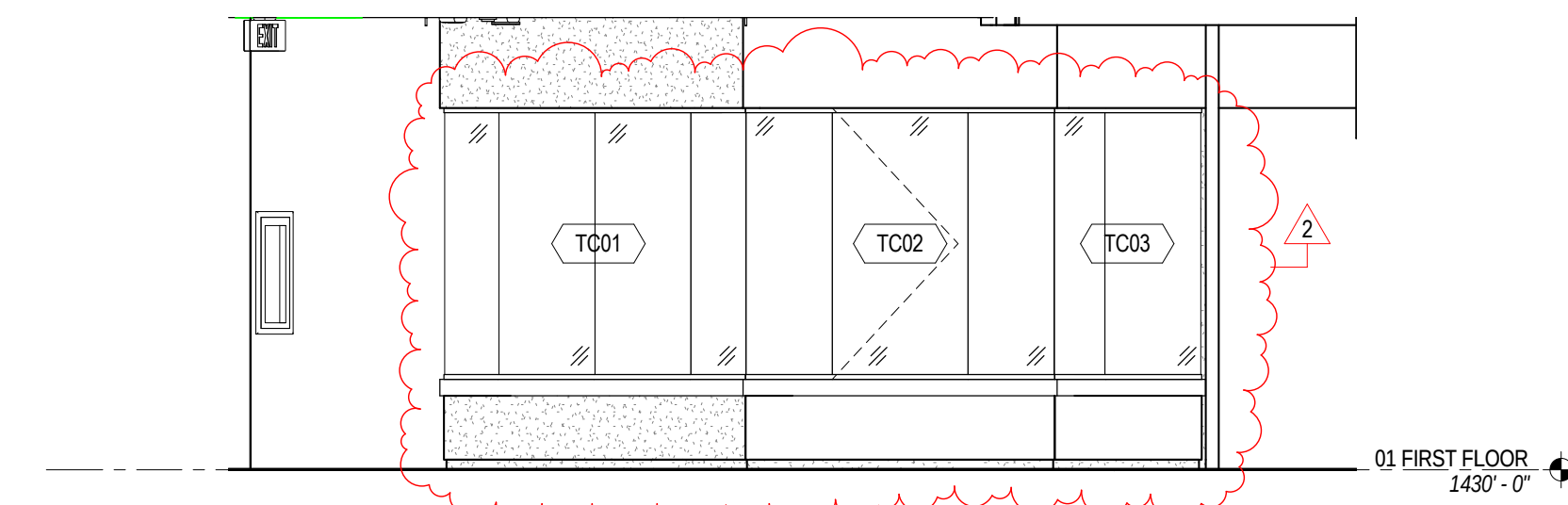
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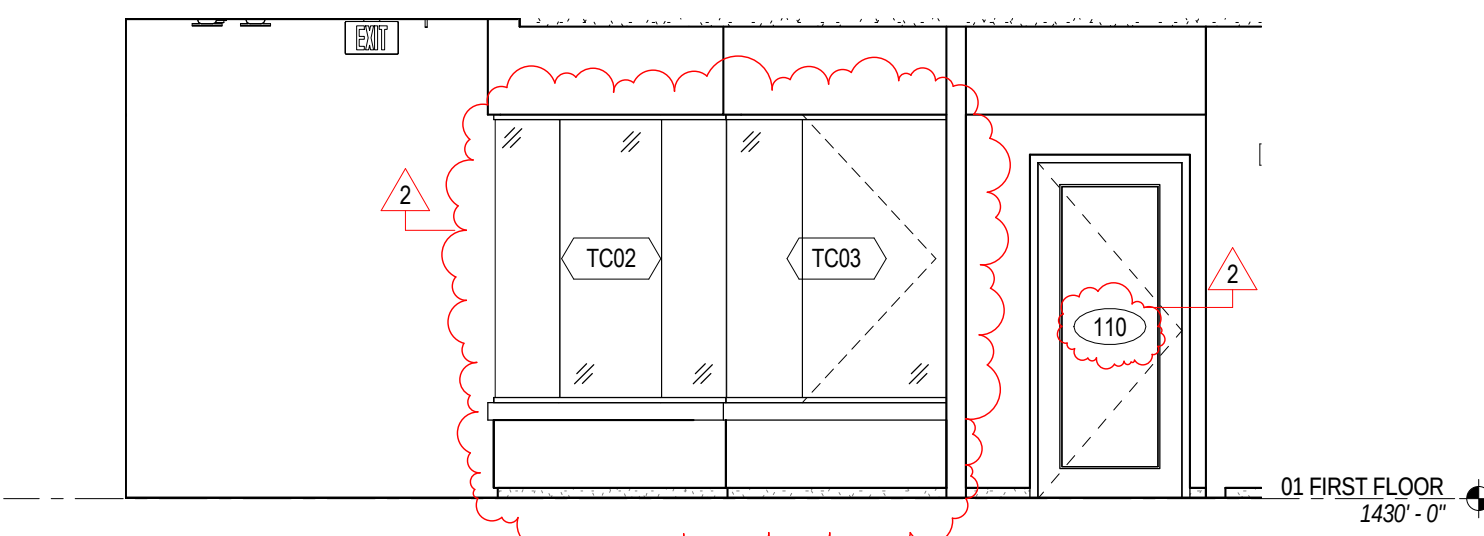
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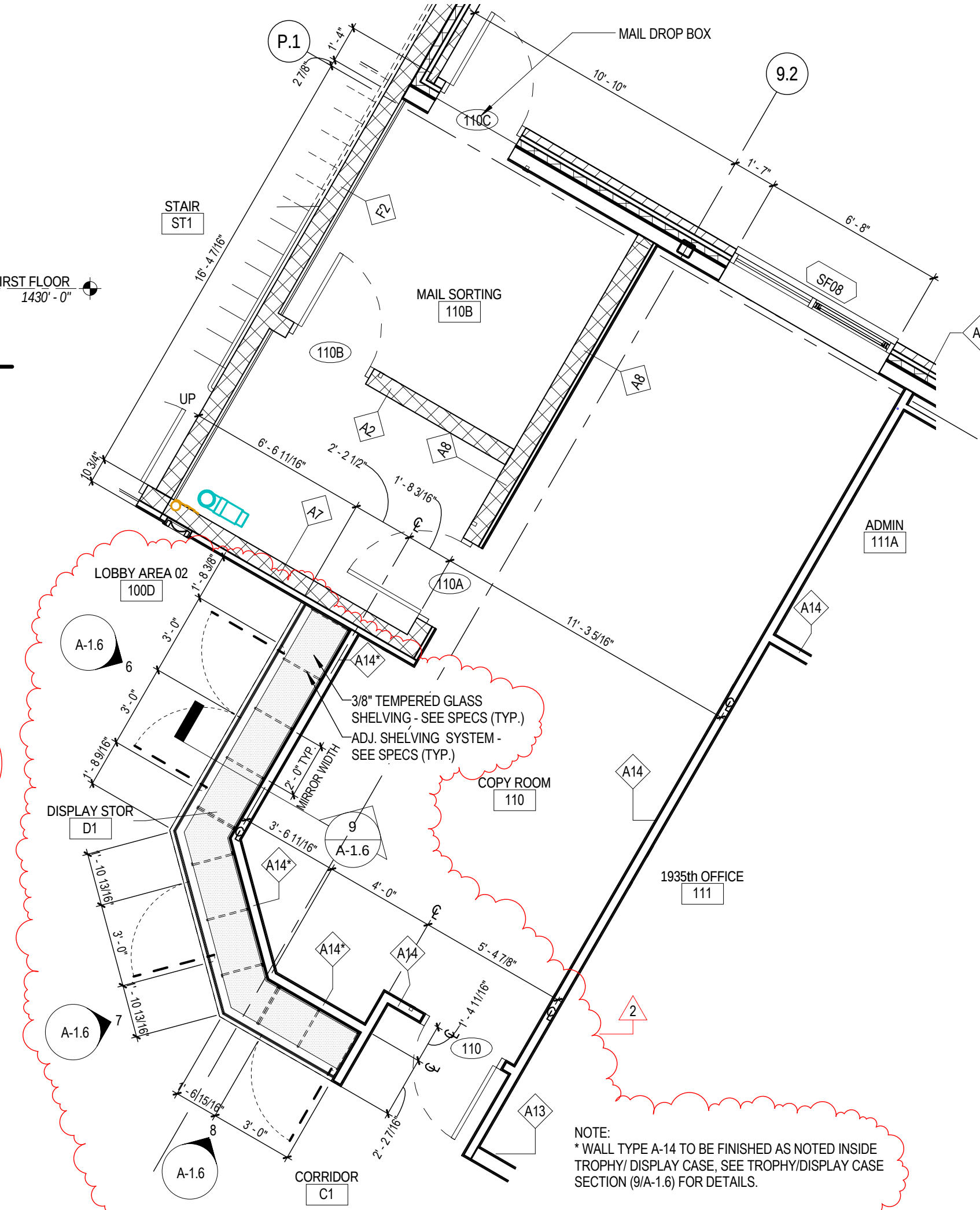
6 TROPHY CASE E ELEV
A-1.6 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.6



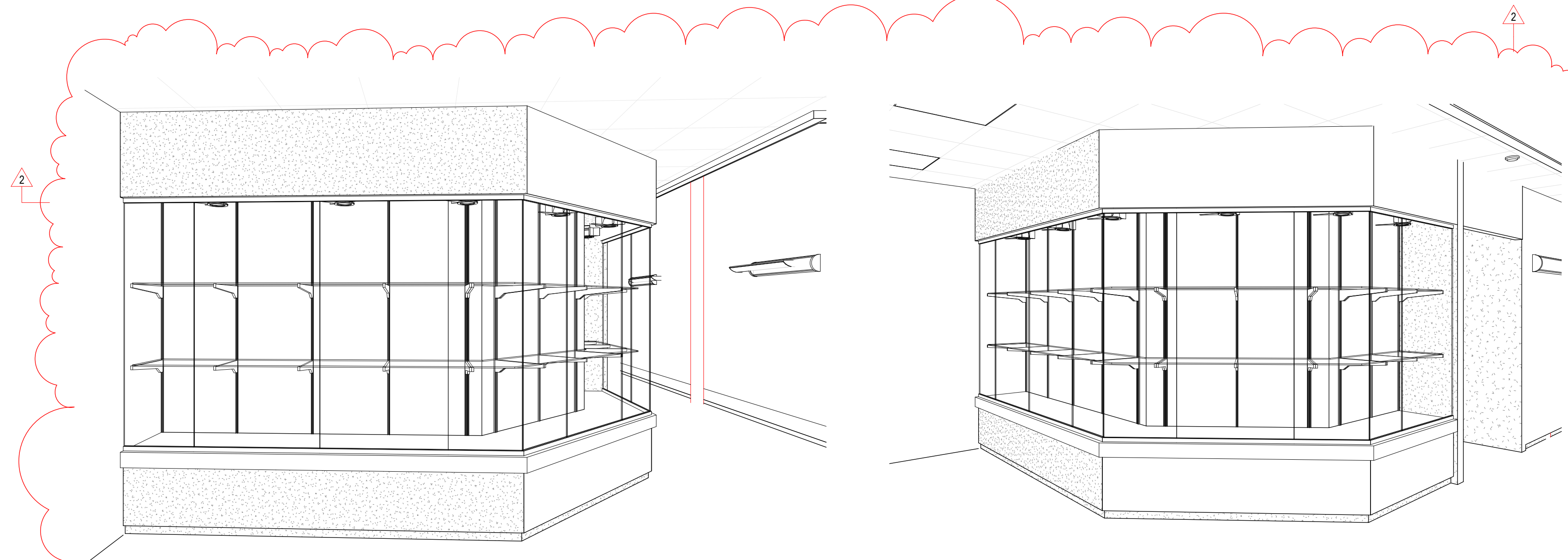
7 TROPHY CASE NE ELEV
A-1.6 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.6



8 TROPHY CASE N ELEV
A-1.6 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.6

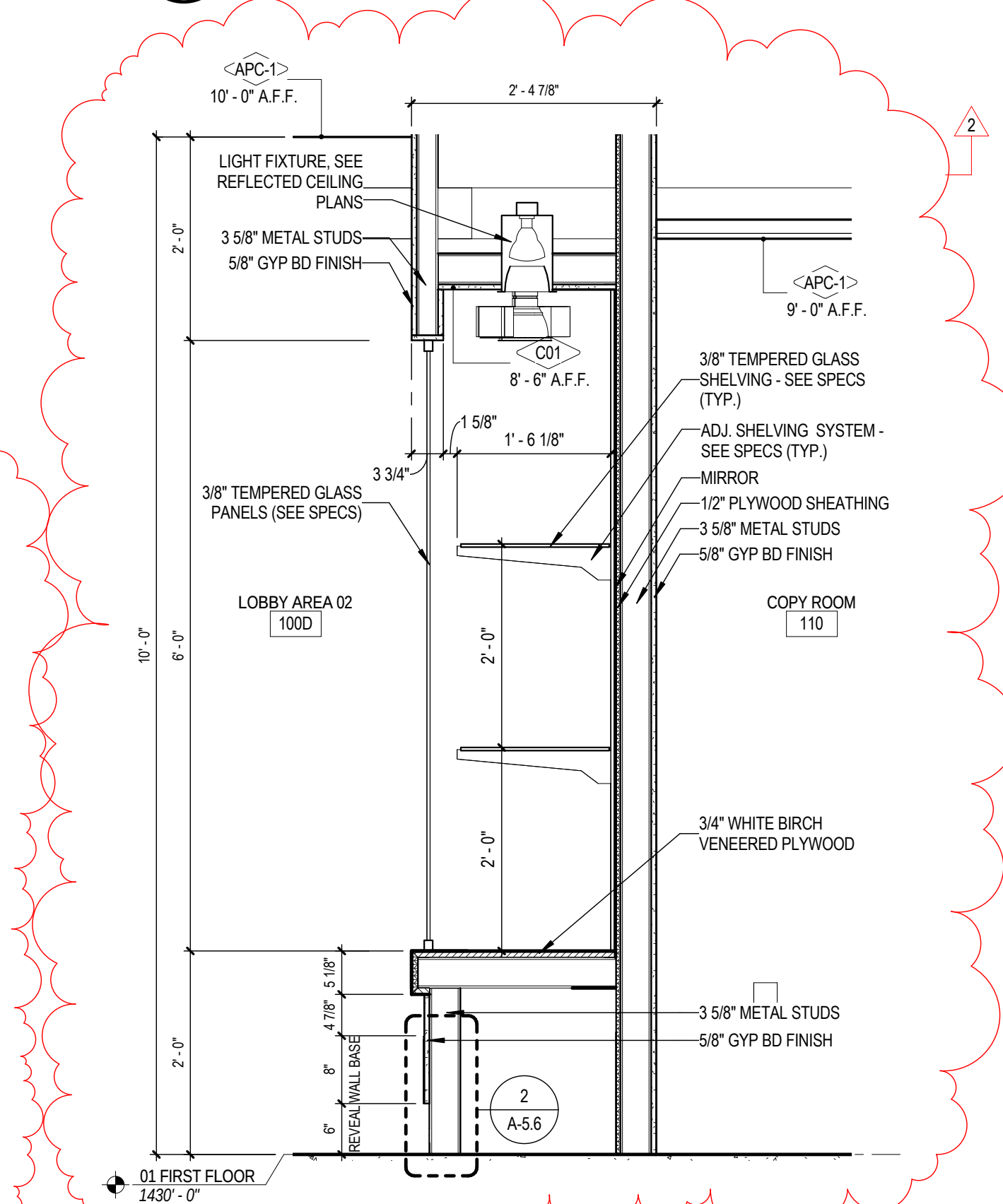


1 ENLARGED COPY ROOM
A-1.6 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.5



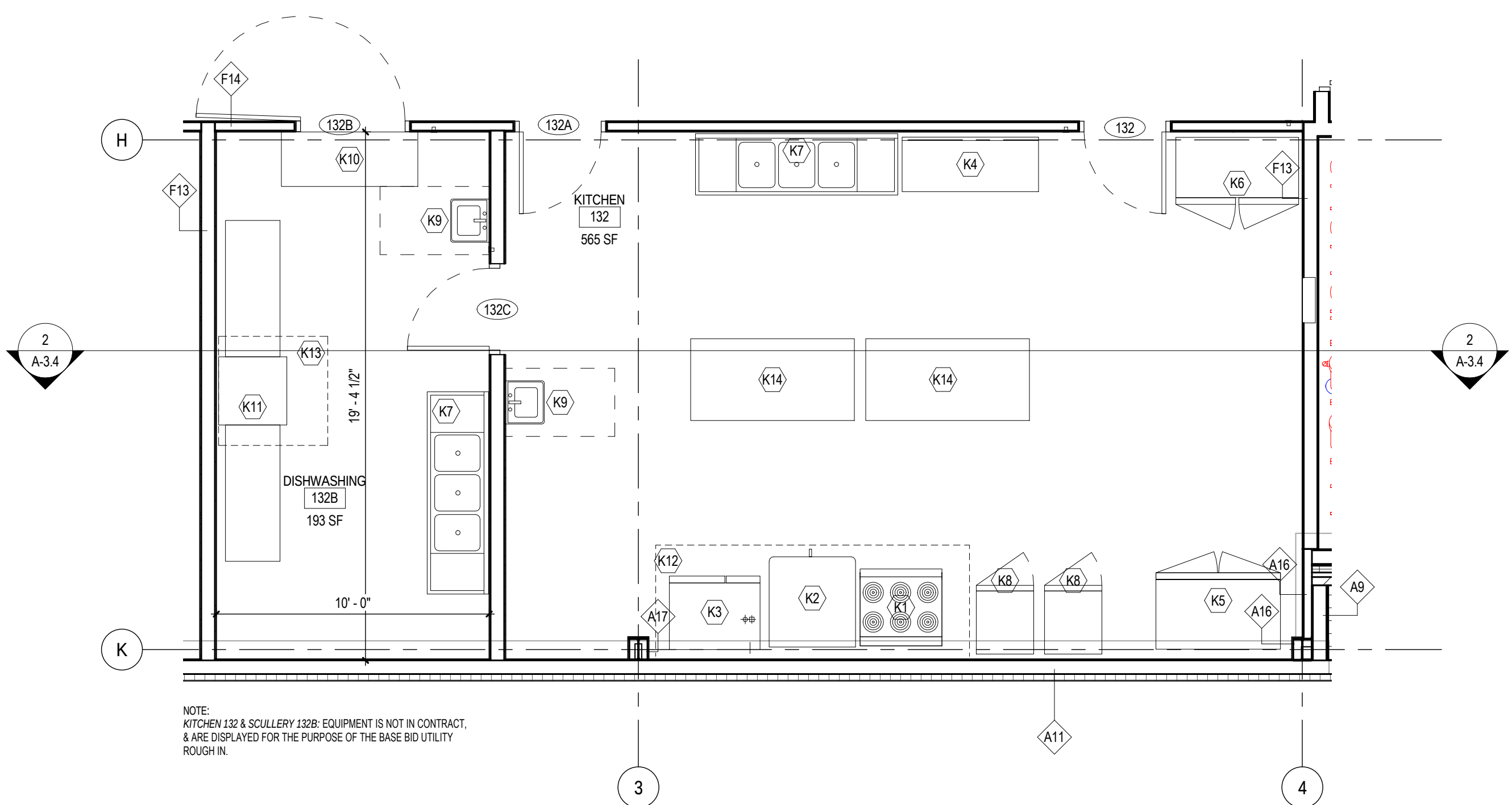
TROPHY / DISPLAY VIEW 01

TROPHY / DISPLAY VIEW 02

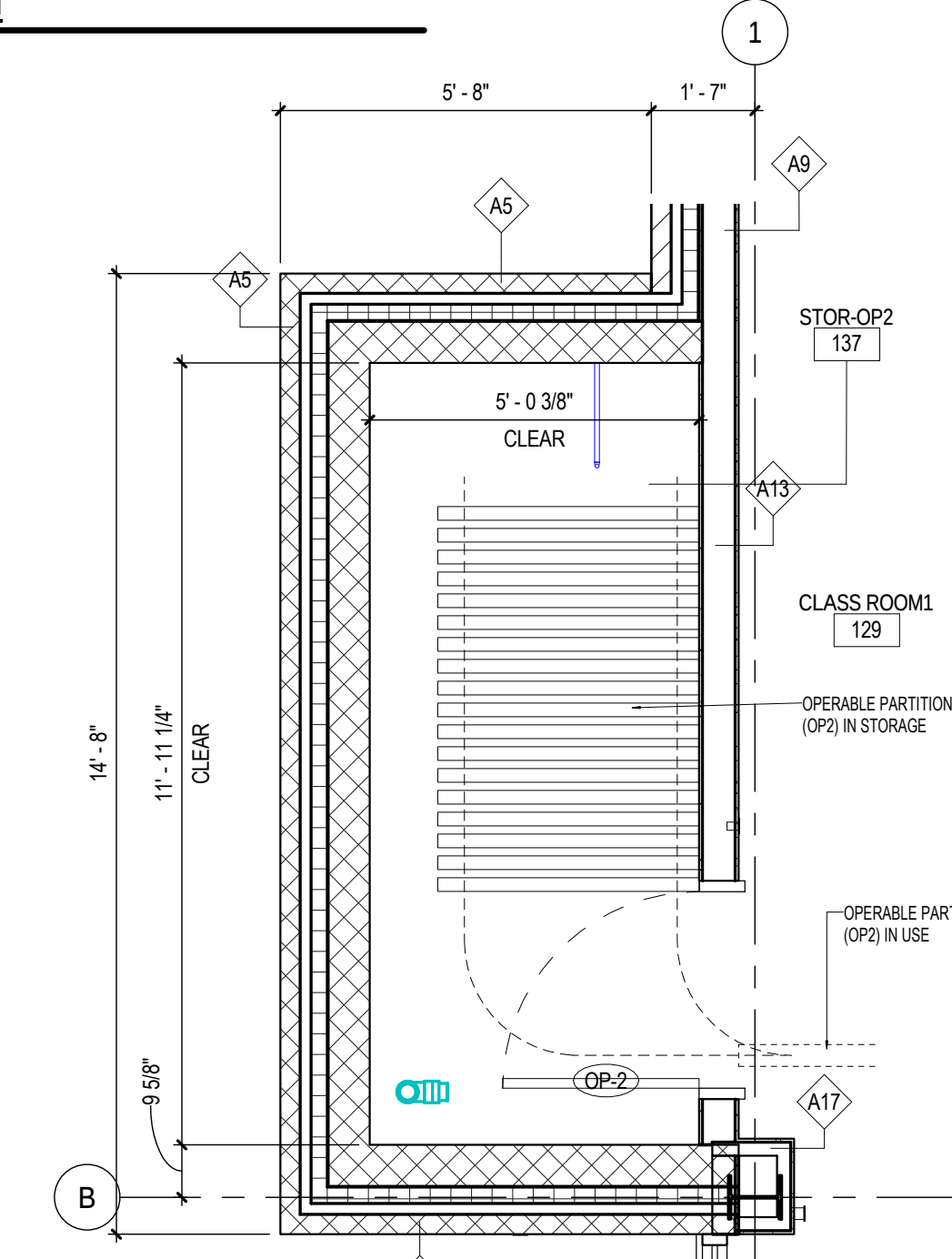


9 TROPHY / DISPLAY CASE SECTION
A-1.6 SCALE: 3/4" = 1'-0" REF. VIEW: A-1.6

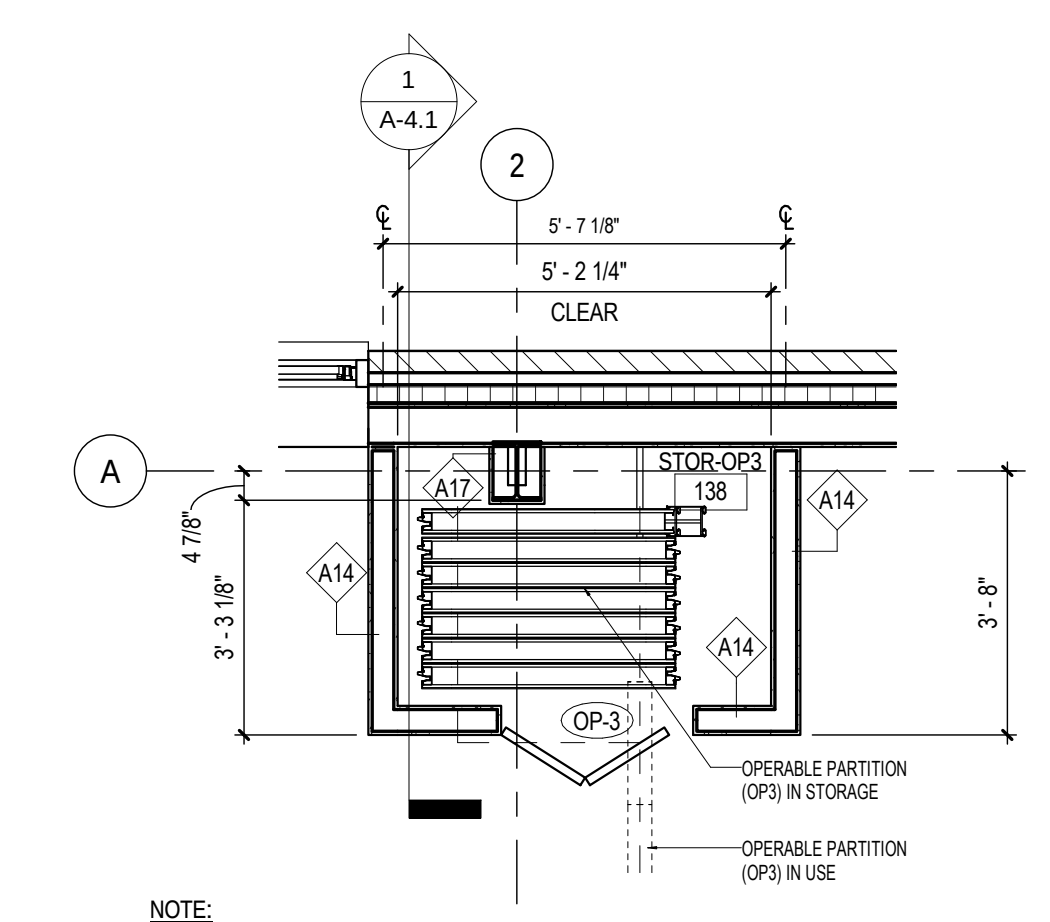
KITCHEN EQUIPMENT (NOT IN CONTRACT)		
Type Mark	Description	Comments
K1	GAS RANGE	
K2	GAS CONVECTION OVEN	
K3	CONVECTION STEAMER	
K4	SS WORK TABLE 24D x 60L W/ BACKSPLASH	
K5	REACH-IN REFRIGERATOR	
K6	REACH-IN FREEZER	
K7	SS THREE BOWL SINK	
K8	HEATING/PROOFING CABINET	
K9	HAND WASHING STATION	
K10	BUSING TABLE	
K11	PASS THROUGH DISH WASHER	
K12	HOOD	
K13	HOOD	
K14	SS WORK TABLE 36D x 72L	



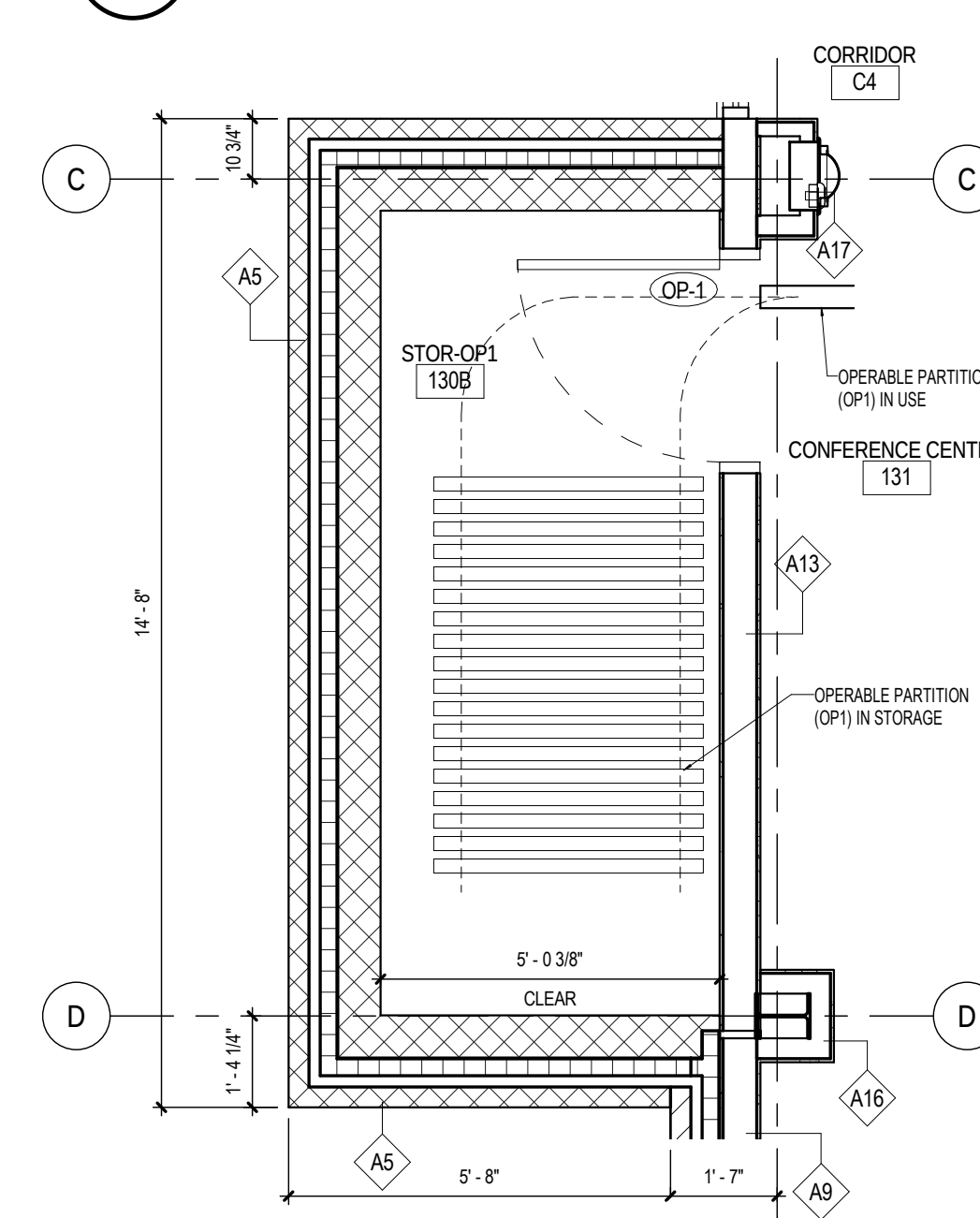
10 ENLARGED KITCHEN PLAN
A-1.6 SCALE: 1/4" = 1'-0" REF. VIEW: A-1.2



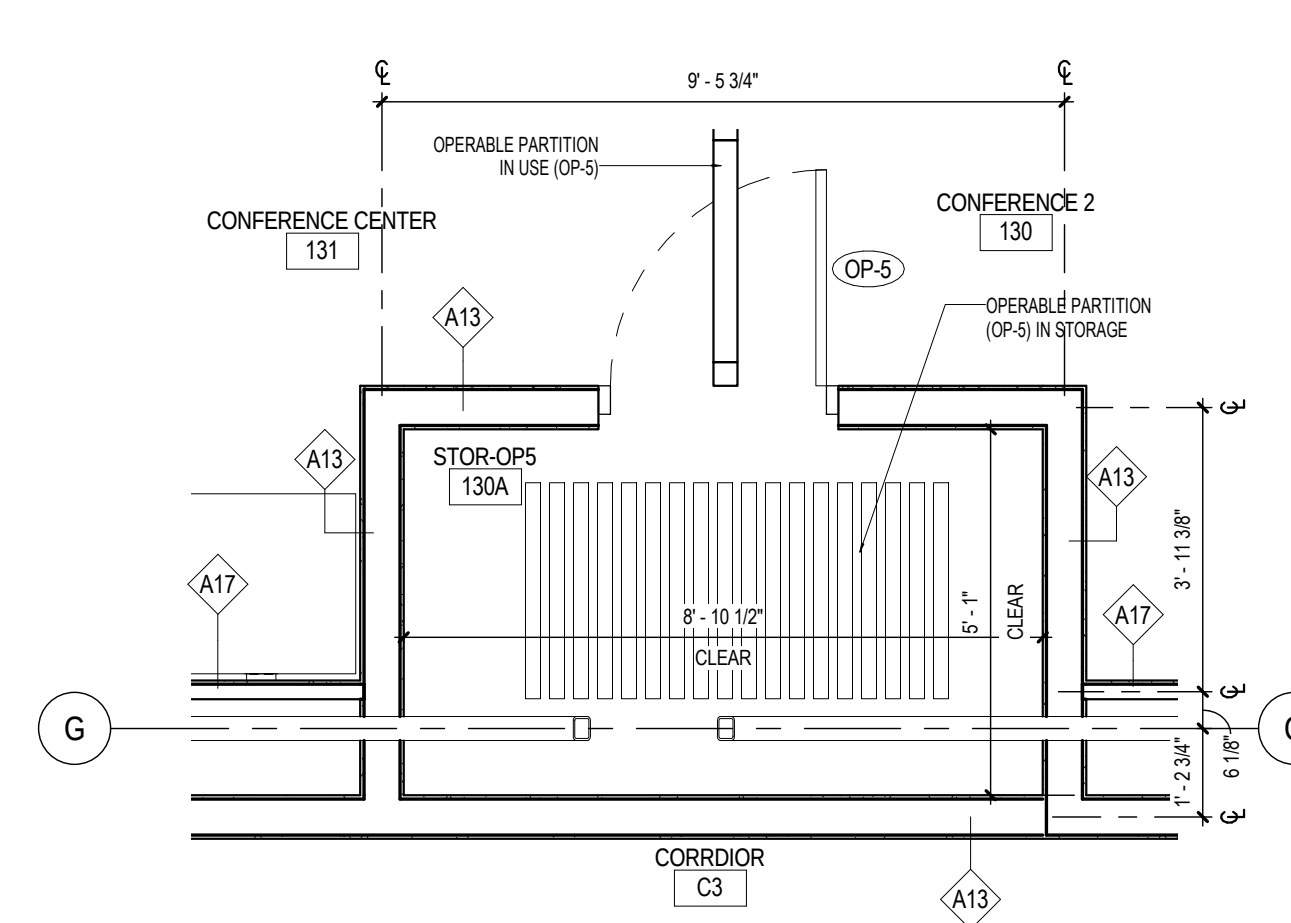
2 STOR OP2 - ENLARGED PLAN
A-1.6 SCALE: 3/8" = 1'-0" REF. VIEW: A-1.1



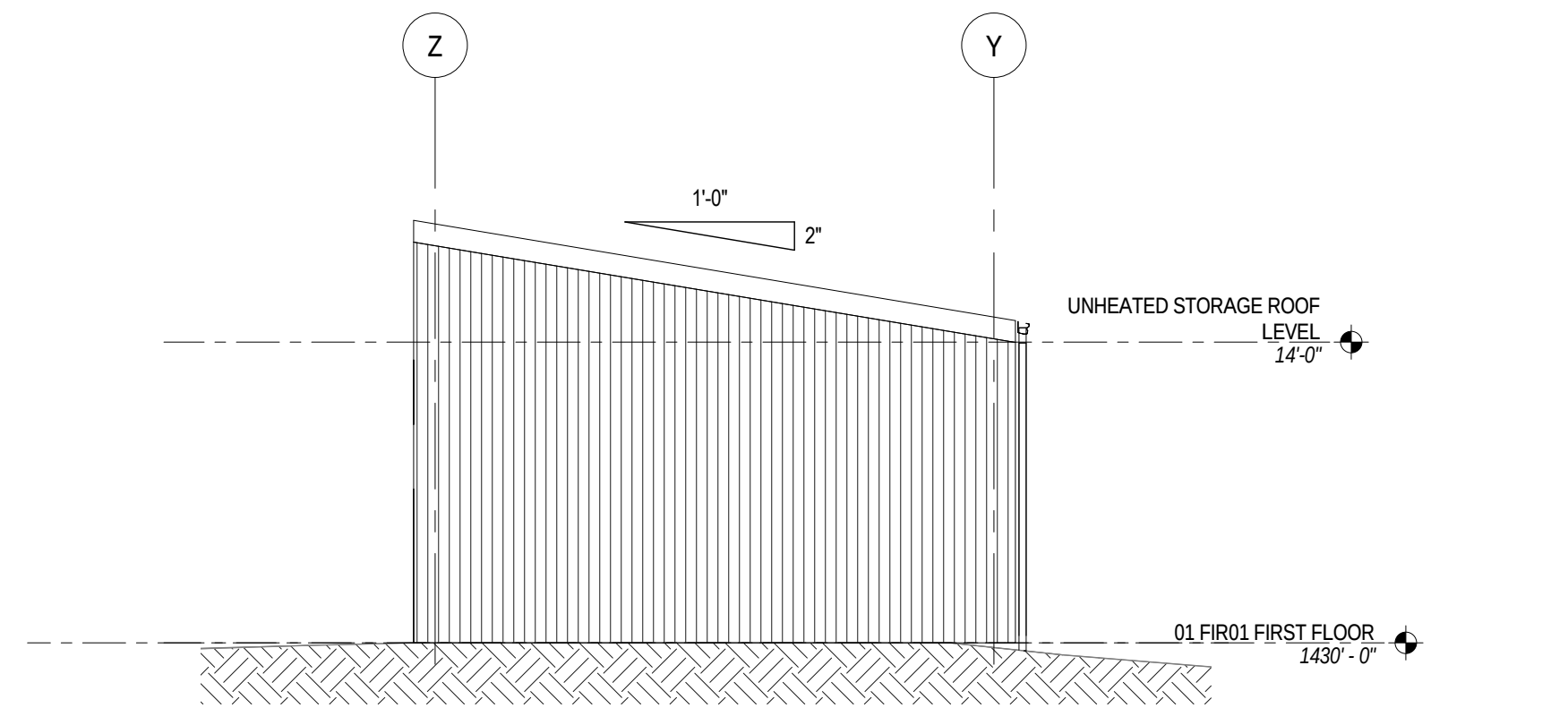
3 STOR OP3 ENLARGED PLAN
A-1.6 SCALE: 3/8" = 1'-0" REF. VIEW: A-1.1



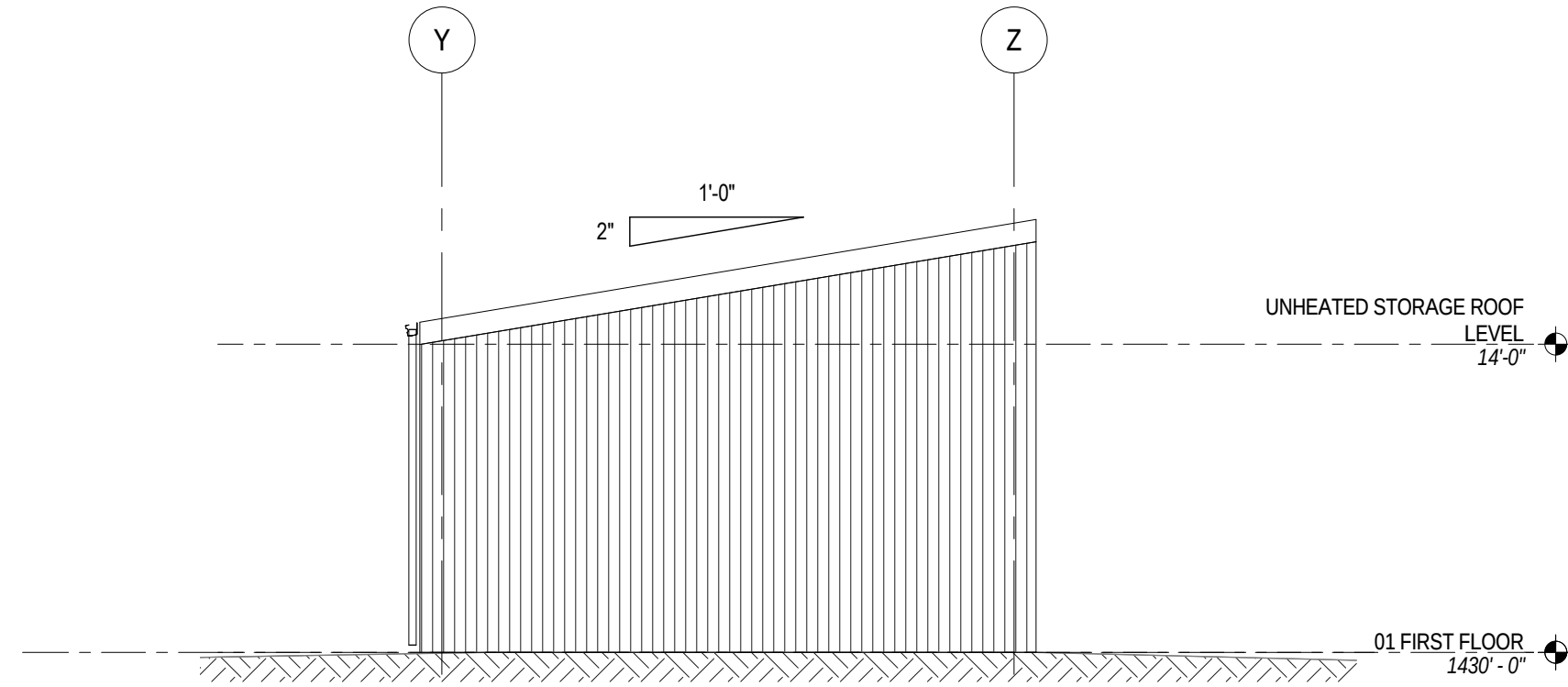
4 STOR OP1 - ENLARGED PLAN
A-1.6 SCALE: 3/8" = 1'-0" REF. VIEW: A-1.2



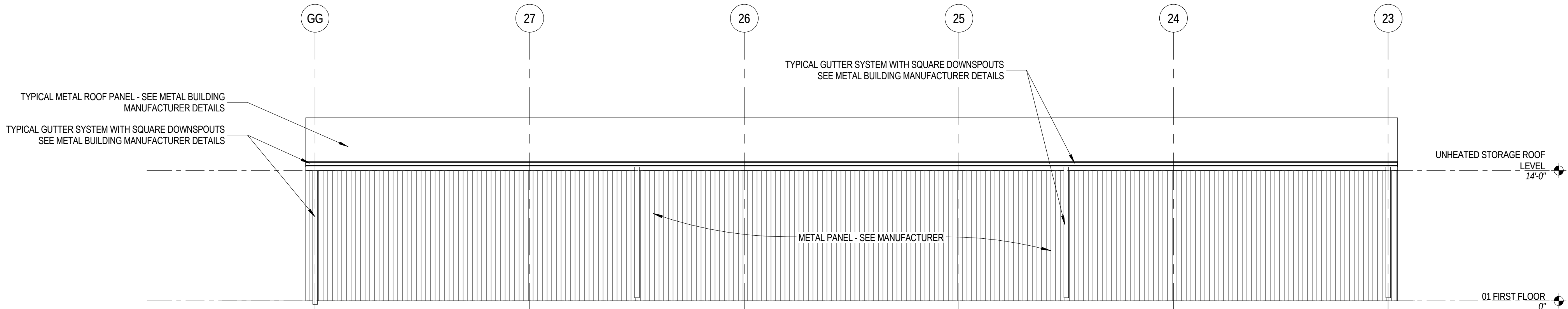
5 STOR OP5 - ENLARGED PLAN
A-1.6 SCALE: 3/8" = 1'-0" REF. VIEW: A-1.2



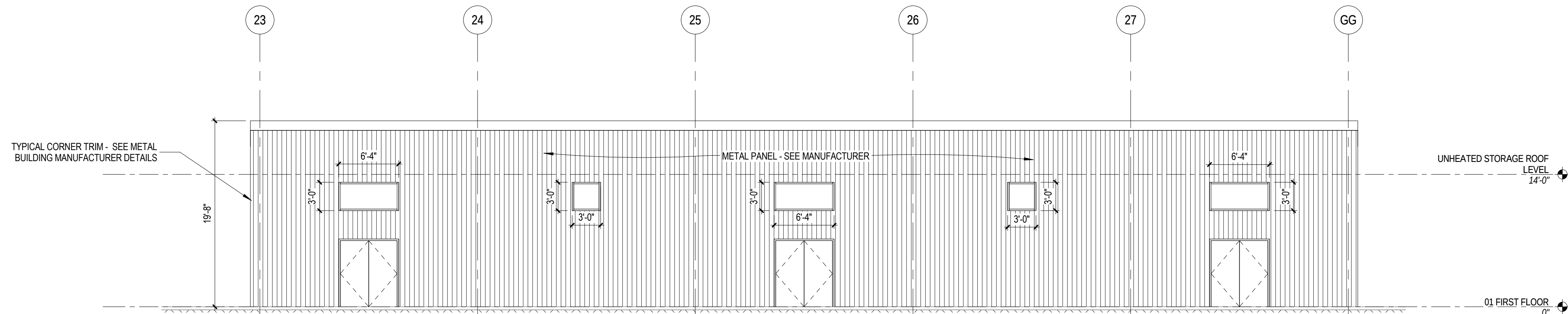
3 RIGHT ELEVATION
A-1.7 SCALE: 1/8" = 1'-0" REF. VIEW: A-1.7



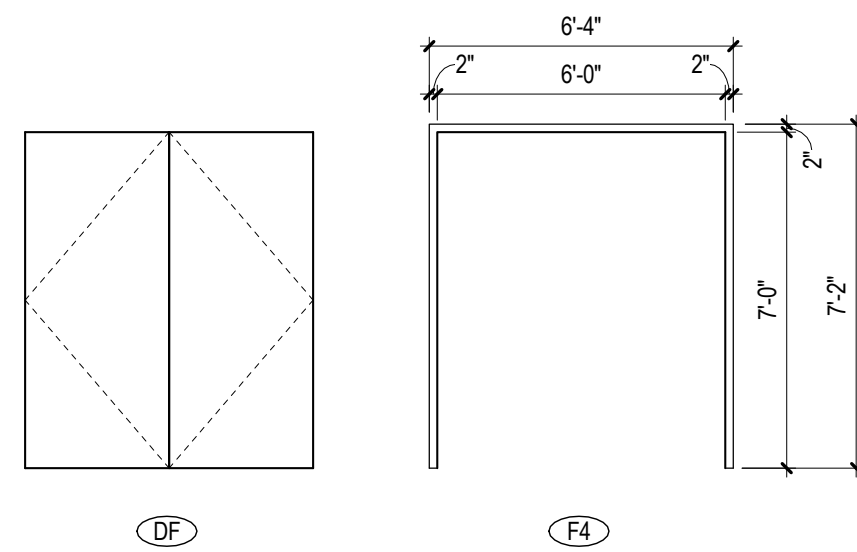
5 LEFT ELEVATION
A-1.7 SCALE: 1/8" = 1'-0" REF. VIEW: A-1.7



4 REAR ELEVATION
A-1.7 SCALE: 1/8" = 1'-0" REF. VIEW: A-1.7



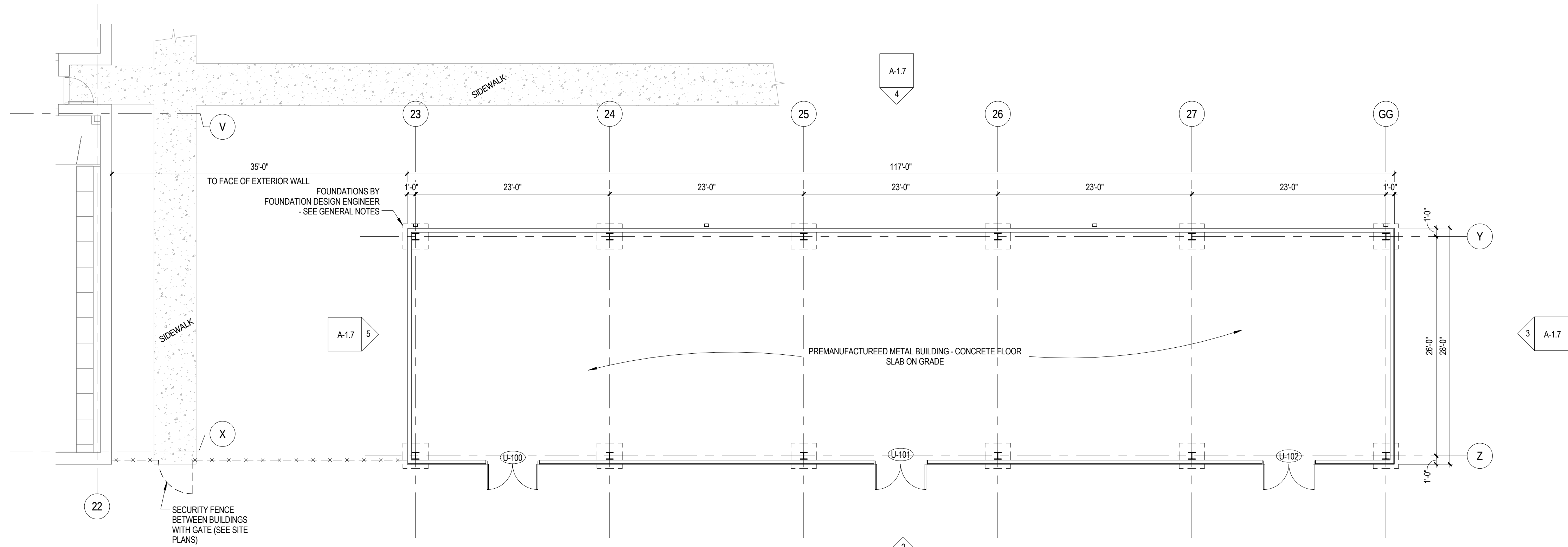
2 FRONT ELEVATION
A-1.7 SCALE: 1/8" = 1'-0" REF. VIEW: A-1.7



DOOR AND FRAME TYPES FOR UNHEATED STORAGE BUILDING

DOOR SCHEDULE - UNHEATED STORAGE BUILDING												
MARK	WIDTH	HEIGHT	DOOR			FRAME			DETAILS			
			TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	JAMB	HEAD	THRESHOLD	FIRE RATING
U-100	6'-0"	7'-0"	DF	IM	PT	F4	STL	PT				22
U-101	6'-0"	7'-0"	DF	IM	PT	F4	STL	PT				22
U-102	6'-0"	7'-0"	DF	IM	PT	F4	STL	PT				22

- GENERAL NOTES:
1. FOUNDATION AND SLABS ARE TO BE DESIGNED BY THE CONTRACTOR'S PRE-ENGINEERED BUILDING FOUNDATION DESIGN ENGINEER.
 2. THE SLAB IS TO BE 5" W/ MINIMUM REINFORCING PER ACI.
 3. THE BOTTOMS OF THE FOOTINGS ARE TO BE BELOW THE FROST LINE (MINIMUM 30")



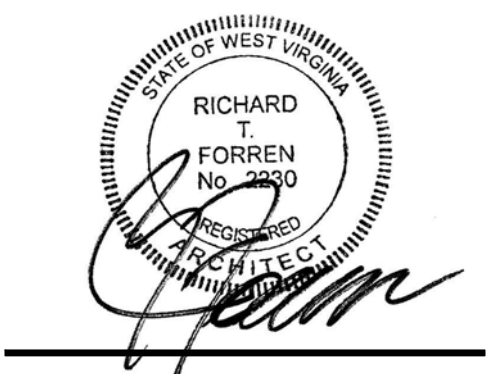
1 01 FIRST FLOOR
A-1.7 SCALE: 1/8" = 1'-0" REF. VIEW: A-1.7



Drawing Revisions	
No.	Date
2	2012 AUG 09

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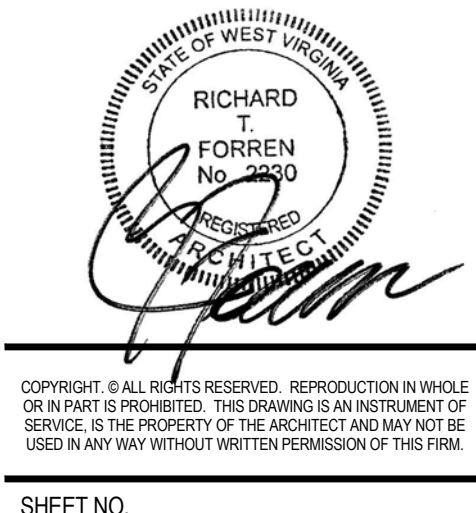




DRAWN BY: gsm	
PROJECT ISSUE DATE: 2012 JUNE 28	
SHEET ISSUE DATE: 2012 AUGUST 9	
Drawing Revisions	
No.	Date
2	2012 AUG.09

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 A-5.2

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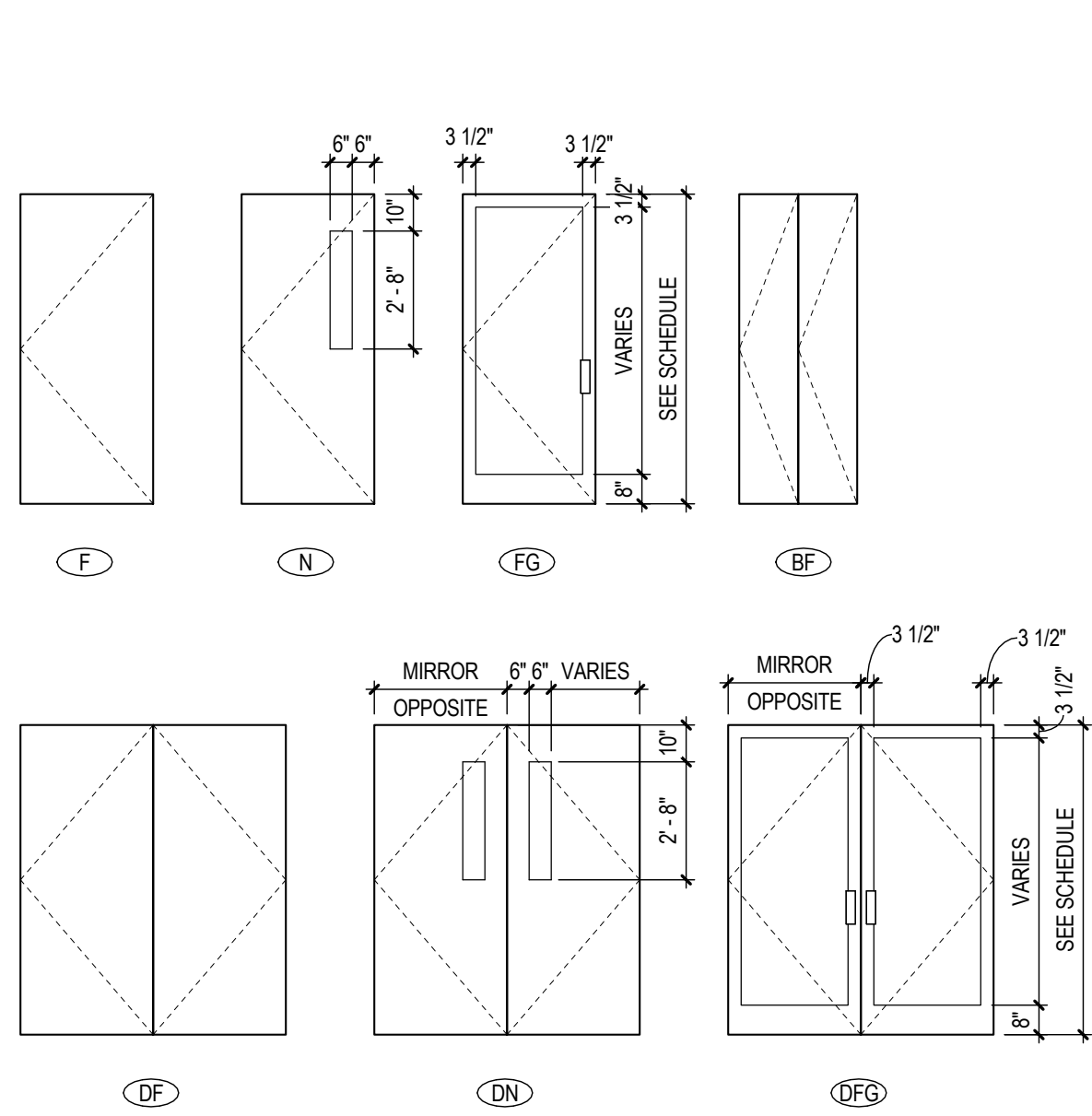
SHEET NO.

DOOR SCHEDULE - FIRST FLOOR																
MARK	WIDTH	HEIGHT	DOOR			FRAME			DETAILS			THRESHOLD	FIRE RATING	HARDWARE SET	COMMENTS	
			TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	JAMB	HEAD						
102	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM						
103	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3		45 MINUTE	02			
104	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM				03		
105	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM				03		
106	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		45 MINUTE	02			
107	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		45 MINUTE	02			
108	6'-0"	7'-0"	DF	WD	PRE	F5	STL	PT	J8	H3		60 MINUTE	04			
109	6'-0"	7'-0"	DF	WD	PRE	F5	STL	PT	J9	H4			14			
109A	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05			
109B	3'-0"	7'-0"	F	STL	PT	F2	STL	PT	J7	H2			07			
109C	3'-0"	3'-0"	F	STL	PT	F7	STL	PT	J7	H2			30		VAULT CRAWL SPACE ACCESS DOOR	
109D	6'-0"	7'-0"	DF	IM	PT	F5	STL	PT	J16	H6	T4		20			
110	3'-0"	7'-0"	FG	WD	PRE	F1	STL	PT	J1	J1 SIM			06			
110A	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3			07			
110B	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J7	H2			07			
110C	3'-0"	7'-0"							J12	H8	T1		17			
111	3'-0"	7'-0"	F	WD	PRE	F3	STL	PT	J2	J2 SIM			02			
111A	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05			
111B	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05			
111C	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05			
111D	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05			
112	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			06			
114	6'-0"	7'-0"	DF	WD	PRE	F5	STL	PT	J9	H4			14			
114A	3'-0"	7'-0"	F	STL	PT	F2	STL	PT	J7	H2			07			
114B	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J7	H2			02			
114C	3'-0"	3'-0"	F	STL	PT	F7	STL	PT	J7	H2			30		VAULT CRAWL SPACE ACCESS DOOR	
114D	6'-0"	7'-0"	DF	IM	PT	F5	STL	PT	J16	H6	T4		20			
115	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J2	J2 SIM			02			
115A	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05			
115B	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05			
115C	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		45 MINUTE	05			
116	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J9	H4			15			
116A	6'-0"	7'-0"	DF	IM	PT	F5	STL	PT	J16	H6	T4		20			
117	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J2	J2 SIM			02			
118	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		45 MINUTE	06			
119	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		45 MINUTE	02			
120	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		20 MINUTE	33			
121	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		20 MINUTE	33			
122	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		45 MINUTE	02			
122A	3'-0"	7'-0"	F	STL	PT	F2	STL	PT	J7	H2		60 MINUTE	16			
123	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3		20 MINUTE	02			
124	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3		45 MINUTE	10			
124A	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3		45 MINUTE	10			
125	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3		45 MINUTE	10			
126	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3		45 MINUTE	10			
127	3'-0"	7'-0"	OFF	SPECIAL	PRE	F1	SPECIAL	PRE					13		COMPONENT IN OPERABLE PARTITION (OP2) ASSEMBLY	
128	3'-0"	7'-0"	OFF	SPECIAL	PRE	F1	SPECIAL	PRE					13		COMPONENT IN OPERABLE PARTITION (OP2) ASSEMBLY	
129	3'-0"	7'-0"	OFF	SPECIAL	PRE	F1	SPECIAL	PRE					13		COMPONENT IN OPERABLE PARTITION (OP2) ASSEMBLY	
130	6'-0"	7'-0"	OFF	SPECIAL	PRE	F1	SPECIAL	PRE					13		COMPONENT IN OPERABLE PARTITION (OP1) ASSEMBLY	
130A	6'-0"	7'-0"	DN	WD	PRE	F4	STL	PT	J1	J1 SIM			12			
131	6'-0"	7'-0"	OFF	SPECIAL	PRE	F1	SPECIAL	PRE					13		COMPONENT IN OPERABLE PARTITION (OP1) ASSEMBLY	
131A	6'-0"	7'-0"	DN	WD	PRE	F4	STL	PT	J1	J1 SIM			12			
132	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		60 MINUTE	15			
132A	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		60 MINUTE	15			
132B	3'-10"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			15			
132C	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J2	J2 SIM			03			
133	6'-0"	7'-0"	DF	WD	PRE	F4	STL	PT	J1	J1 SIM		45 MINUTE	14			
134	3'-0"	7'-0"	F	IM	PT	F2	STL	PT	J13	H7	T2		24			
C1	3'-0"	7'-0"	F	IM	PT	F2	STL	PT	J13, J14	H8	T1		17			
C2	5'-6"	7'-0"	DN	WD	PRE	F6	STL	PT	J5 SIM	J1 SIM			23			
C2A	6'-0"	7'-0"	DF	IM	PT	F5	STL	PT	J13	H7	T3		22			
C3	6'-0"	7'-0"	DN	WD	PRE	F4	STL	PT	J2	J2 SIM			29			
C3A	6'-0"	7'-0"	DF	IM	PT	F5	STL	PT	J13	H7	T2		22			
OP-1	3'-0"	16'-0"	F	WD	PRE		STL	PT					28		COMPONENT IN OPERABLE PARTITION (OP1) ASSEMBLY	
OP-2	3'-0"	12'-0"	F	WD	PRE		STL	PT					28		COMPONENT IN OPERABLE PARTITION (OP2) ASSEMBLY	
OP-3	2'-8"	12'-0"	BF	WD	PRE		STL	PT					28		COMPONENT IN OPERABLE PARTITION (OP3) ASSEMBLY	
OP-4	2'-8"	12'-0"	BF	WD	PRE		STL	PT					28		COMPONENT IN OPERABLE PARTITION (OP4) ASSEMBLY	
OP-5	3'-0"	16'-0"	F	WD	PRE		STL	PT					28		COMPONENT IN OPERABLE PARTITION (OP5) ASSEMBLY	
SF04A	3'-0"	7'-0"	FG	AL	PRE		AL	PRE					36		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF04B	3'-0"	7'-0"	FG	AL	PRE		AL	PRE					37		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF04C	3'-0"	7'-0"	FG	AL	PRE		AL	PRE					37		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF16A	6'-0"	8'-0"	DFG	AL	PRE		AL	PRE					25		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF16B	6'-0"	8'-0"	DFG	AL	PRE		AL	PRE					26		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF17A	6'-0"	8'-0"	DFG	AL	PRE		AL	PRE					31		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF17B	6'-0"	8'-0"	DFG	AL	PRE		AL	PRE					27		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF18	3'-0"	7'-0"	FG	AL	PRE		AL	PRE					11		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF19A	6'-0"	8'-0"	DFG	AL	PRE		AL	PRE					27		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF19B	6'-0"	8'-0"	DFG	AL	PRE		AL	PRE					27		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
SF20	6'-0"	8'-0"	DFG	AL	PRE		AL	PRE					32		SEE STOREFRONT ELEV & DTLS ON SHTS A-5.4 & A-5.5	
S11	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J9	H4		60 MINUTE	16			
S11A	3'-0"	7'-0"	F	IM	PT	F2	STL	PT	J12, J15	H8	T1		60 MINUTE	17		
S12	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3		60 MINUTE	16			
ST2A	3'-0"	7'-0"	F	IM	PT	F2	STL	PT	J12	H8	T1	60 MINUTE	17			
V1	3'-4"	6'-6"	VAULT	SPECIAL	PRE	VAULT	SPECIAL	PRE	J11	H5			21	(1)		
V2	3'-4"	6'-6"	VAULT	SPECIAL	PRE	VAULT	SPECIAL	PRE	J11	H5			21	(1)		

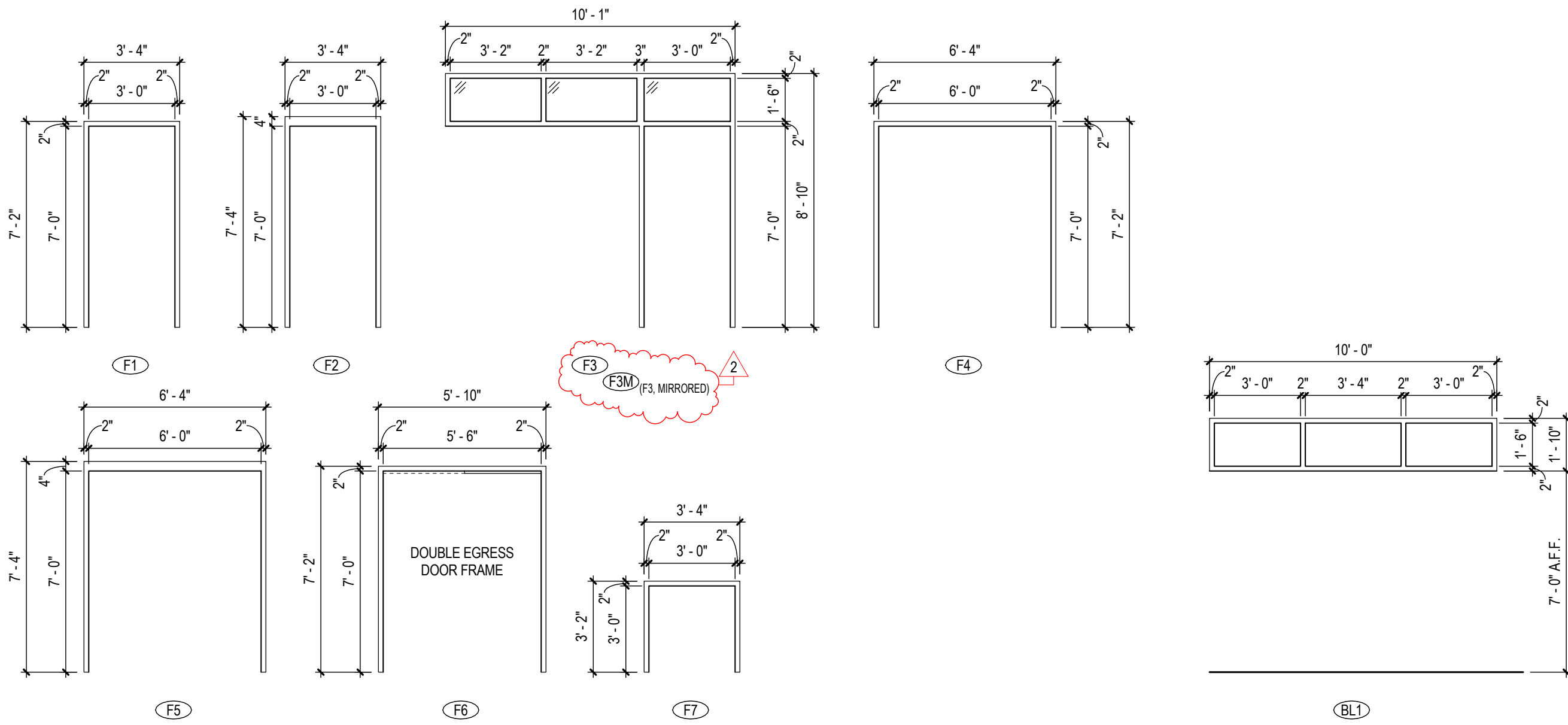
DOOR SCHEDULE - SECOND FLOOR														
MARK	WIDTH	HEIGHT	DOOR			FRAME			DETAILS		THRESHOLD	FIRE RATING	HARDWARE SET	COMMENTS
			TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	JAMB	HEAD				
200	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM		45 MINUTE	18	
201	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			19	
202	3'-0"	7'-0"	F	WD	PRE	F3	STL	PT	J1	J1 SIM			15	
202A	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05	
202B	3'-0"	7'-0"	FG	WD	PRE	F1	STL	PT	J1	J1 SIM			05	
202C	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05	
202D	3'-0"	7'-0"	F	WD	PRE	F1	STL	PT	J1	J1 SIM			05	
203	3'-0"	7'-0"	F	WD	PRE	F3	STL	PT	J1	J1 SIM			15	
204	3'-0"	7'-0"	F	WD	PRE	F3	STL	PT	J1	J1 SIM			15	
ST1B	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J9	H4		60 MINUTE	16	
ST2B	3'-0"	7'-0"	F	WD	PRE	F2	STL	PT	J8	H3		60 MINUTE	16	

(1) THE VAULT DOORS WILL BE GSA APPROVED CLASS 5 ARMORY DOOR PER GSA FED SPEC AA-D-600D(4). DOOR FRAMES WILL BE PER FED SPEC AA-D-600D(4).

NOTES:
1 - SEE SHEET A-1.7 FOR UNHEATED STORAGE BUILDING DOOR SCHEDULE
2 - HARDWARE SET 26 - PROVIDE CULINDER LOCKS & CORES FOR ALL CAGING DOORS

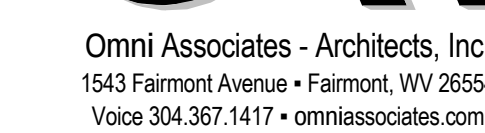


DOOR TYPES LEGEND



DOOR FRAMES LEGEND

BORROWED LIGHT LEGEND



MISCELLANEOUS DETAILS



3A
A-5.6



3B
A-5.6



A-5.6



A-5.6

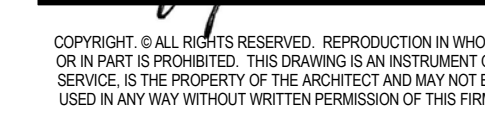


A-5.6

Drawing Revisions	
No.	Date
2	2012.AUG.09

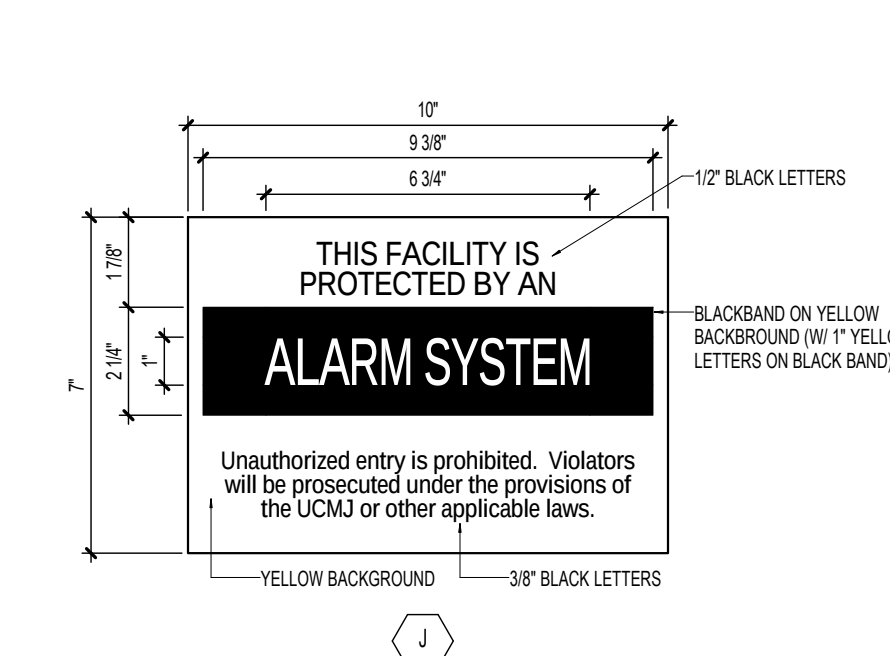
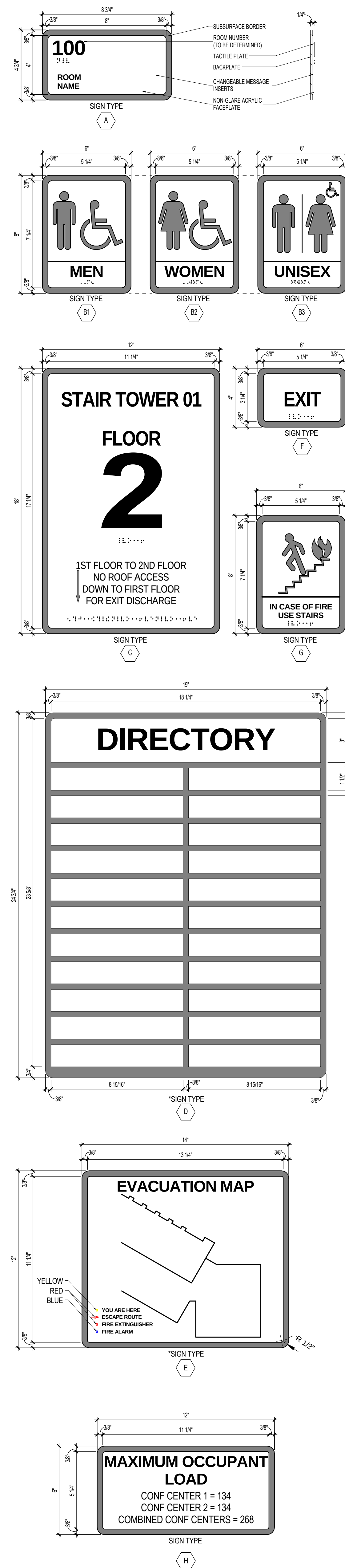
ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 A-5.6

- ☐ DESIGN DEVELOPMENT
- ☐ PROGRESS _____
- ☐ PERMIT ACQUISITION
- ☐ FOR BIDDING
- ☒ CONSTRUCTION DOCUMENT
- ☐



SHEET NO. _____

A-5.6



4 SECURITY SIGN
SCALE: 3" = 1'-0" REF. VIEW:

5 ENTRANCE LETTERING
SCALE: 3" = 1'-0" REF. VIEW:



SIGN SCHEDULE		
MARK	SIGN TYPE	COMMENTS
A	ROOM SIGN	ROOM DESIGNATION TO BE ASSIGNED BY ARCHITECT
B1	MEN'S ROOM - ADA	
B2	LADIES ROOM - ADA	
B3	UNISEX REST ROOM - ADA	
C	STAIR TOWER SIGN	STAIR TOWERS PROVIDE ACCESS FROM GROUND TO 1ST FLOOR. NO ROOF ACCESS. EXITS LOCATED ON GROUND FLOOR (STAIR TOWER 1 & 2 HAVE THE SAME CONDITIONS)
D	DIRECTORY SIGN	DIRECTORY INFORMATION TO BE ASSIGNED BY ARCHITECT
E	EVACUATION MAP SIGN	
F	EXIT DISCHARGE SIGN	
G	IN CASE OF FIRE USE STAIRS	
H	OCCUPANCY LOAD	OCCUPANCY LOAD VARIES ON CONDITIONS OF USE. LIST ALL TYPICAL LAYOUT OCCUPANCY LIMITS
J	SECURITY WARNING SIGN	

SIGNAGE NOTES:
1. CONTRASTING COLORS TO BE SELECTED BY ARCHITECT.
2. STAIR SIGNAGE TO BE PLACED ON INSIDE AND OUTSIDE OF STAIRWELL AT EACH FLOOR.
3. RESTROOM SIGNS AT EVERY RESTROOM.
4. DIMENSIONS INDICATED ARE APPROXIMATE.
5. SAMPLE TEXT SHOWN FOR LAYOUT ONLY.
6. SEE PROJECT SPECIFICATIONS FOR SIGNAGE REQUIREMENTS.
7. SIGNS MARKED WITH "H" TO HAVE PROFILE SIMILAR TO SIGN TYPE "H".

3 STANDARD SIGNS
SCALE: 3" = 1'-0" REF. VIEW:

ADDENDUM 02

Omni Associates - Architects, Inc.

1545 Fairmont Avenue • Fairmont, WV 26554

Phone 304.387.1417 • omniassociates.com

ARMY NATIONAL GUARD

STAR

WARNG

BUCKHANNON AFRC

BUCKHANNON, WV

SIGNAGE PLANS & DETAILS

DRAWN BY: gsm

PROJECT ISSUE DATE: 2012 JUNE 28

SHEET ISSUE DATE: 2012 AUG 09

Drawing Revisions

No.	Date
1	NONE

ARCHITECT PROJECT NUMBER: 21117

ARCHITECT CAD NUMBER: 21117 A-5.7

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☒ CONSTRUCTION DOCUMENT

RICHARD T. FORREN

REGISTERED ARCHITECT

NO. 10000

STATE OF WEST VIRGINIA

FORREN

ARCHITECTS, INC.

1545 FAIRMONT AVENUE

FAIRMONT, WV 26554

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SHEET NO.

A-5.7



**WARNG
BUCKHANNON AFRC**

BUCKHANNON, WV

HVAC Ductwork First Floor Plan - East Wing

DRAWN BY:	TOWER
PROJECT ISSUE DATE:	June 28, 2012
SHEET ISSUE DATE:	
No.	Drawing Revisions
1	8/14/12

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 H-1.1

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SHEET NO.

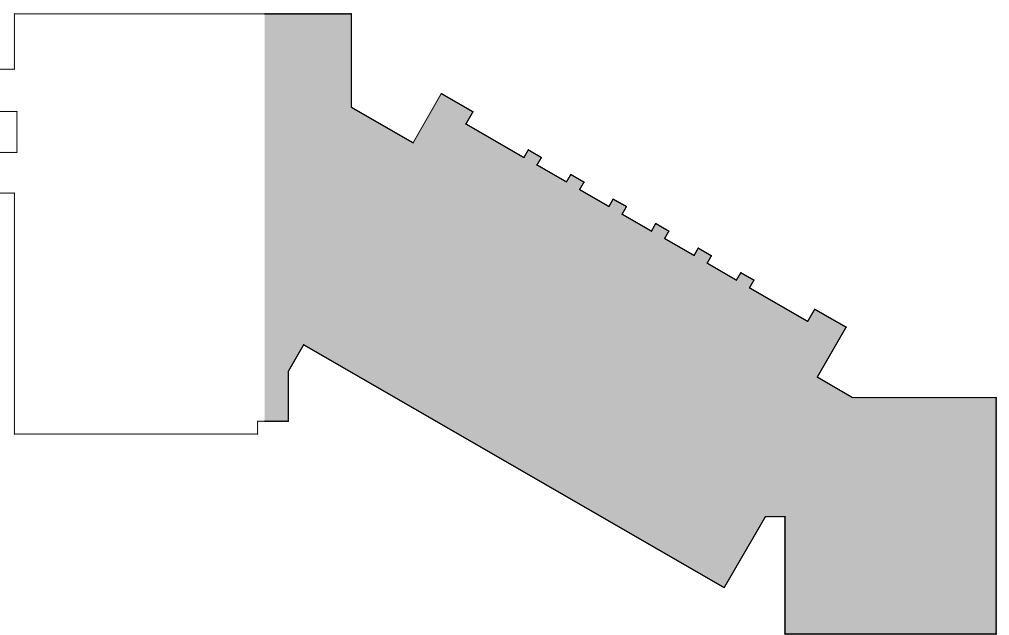
H-1.1

CODED NOTES:

(THIS DRAWING)

- 44/16 SUPPLY AIR DUCT DOWN FROM ROOFTOP UNIT RTU-5 ON ROOF ABOVE. TRANSITION DUCT AS NECESSARY FROM RTU-5 SUPPLY AIR CONNECTION.
- 44/16 RETURN AIR DUCT UP TO ROOFTOP UNIT RTU-5 ON ROOF ABOVE. TRANSITION DUCT AS NECESSARY AND CONNECT TO RTU-5 RETURN AIR CONNECTION.
- 36/20 SUPPLY AIR DUCT DOWN FROM ROOFTOP UNIT RTU-6 ON ROOF ABOVE. TRANSITION DUCT AS NECESSARY FROM RTU-6 SUPPLY AIR CONNECTION. SPLIT THE 36/20 DUCT IN VERTICAL RISER USING A WYE TYPE FITTING INTO A SINGLE 20/19 DUCT AND A SINGLE 20/17 DUCT.
- 36/20 RETURN AIR DUCT UP TO ROOFTOP UNIT RTU-6 ON ROOF ABOVE. TRANSITION DUCT AS NECESSARY AND CONNECT TO RTU-6 RETURN AIR CONNECTION.
- 54/19 SUPPLY AIR DUCT DOWN FROM FLOOR ABOVE. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. REFER TO DRAWING H-1.3 FOR CONTINUATION OF DUCT.
- 64/20 RETURN AIR DUCT UP TO FLOOR ABOVE. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. REFER TO DRAWING H-1.3 FOR CONTINUATION OF DUCT.
- COMBINE IN VERTICAL RISER A 12/8 EXHAUST AIR DUCT AND A 12/10 EXHAUST AIR DUCT INTO A SINGLE 18/12 DUCT USING A WYE TYPE FITTING. TRANSITION THE 18/12 DUCT AS NECESSARY AND CONNECT TO EXHAUST FAN EF-2 ON ROOF ABOVE.
- 8/4 EXHAUST AIR DUCT UP TO FLOOR ABOVE. PROVIDE FIRE DAMPER AT FLOOR PENETRATION. REFER TO DRAWING H-1.3 FOR CONTINUATION OF DUCT.
- 12" WIDE X 4" HIGH X 4" DEEP RUSKIN BRICK VENT, MODEL BV100. COORDINATE INSTALLATION OF BRICK VENT WITH BRICK LAYOUT OF EXTERIOR WALL.
- PROVIDE DUCT SECURITY BARS AT WALL PENETRATION. REFER TO HVAC DUCT SECURITY BARS DETAIL ON DRAWING H-3.2.
- 8/0 OUTDOOR AIR DUCT DOWN FROM ROOF ABOVE. PROVIDE A DUCT CURB AT ROOF PENETRATION. REFER TO DRAWING H-1.7 FOR CONTINUATION OF DUCT.
- 6/0 EXHAUST AIR DUCT UP THROUGH ROOF ABOVE. PROVIDE A DUCT CURB AT ROOF PENETRATION. REFER TO DRAWING H-1.7 FOR CONTINUATION OF DUCT.
- PLENUM GRILLE. DO NOT CONNECT TO DUCT ABOVE.
- SUSPEND DEHUMIDIFIER FROM STRUCTURE ABOVE. BOTTOM OF UNIT SHALL BE 7'-6" AFF.

EAST WING - KEY PLAN





WARNG
BUCKHANNON AFRC

BUCKHANNON, WV

HVAC Ductwork First Floor Plan - West Wing

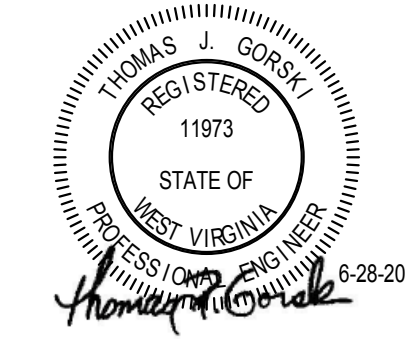
DRAWN BY: TOWER
PROJECT ISSUE DATE: June 28, 2012
SHEET ISSUE DATE:

No.	Drawing Revisions
1	8/14/12

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 H-1.2

APPROVED DRAWING USE:

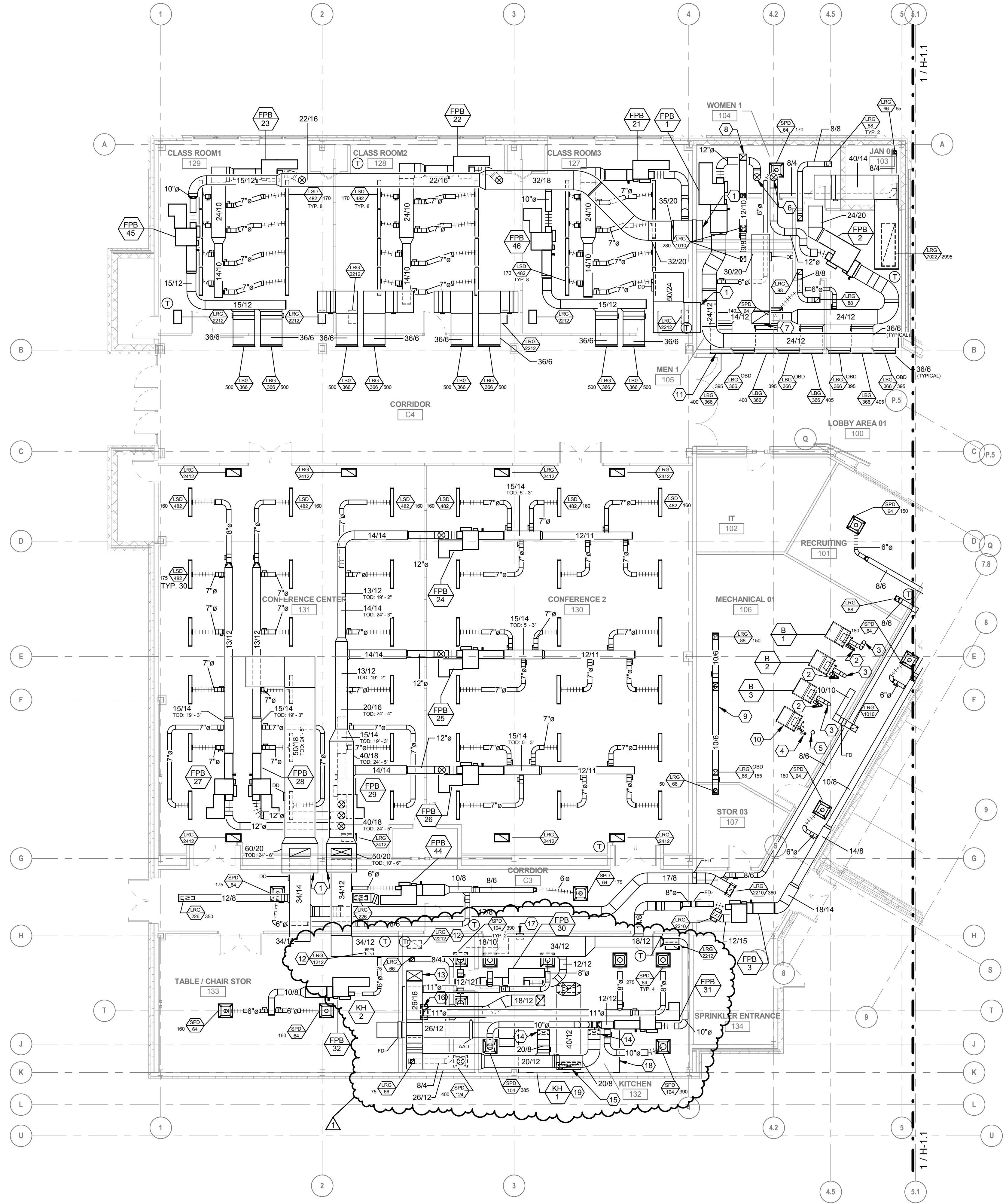
- ☐ DESIGN DEVELOPMENT
- ☐ PROGRESS
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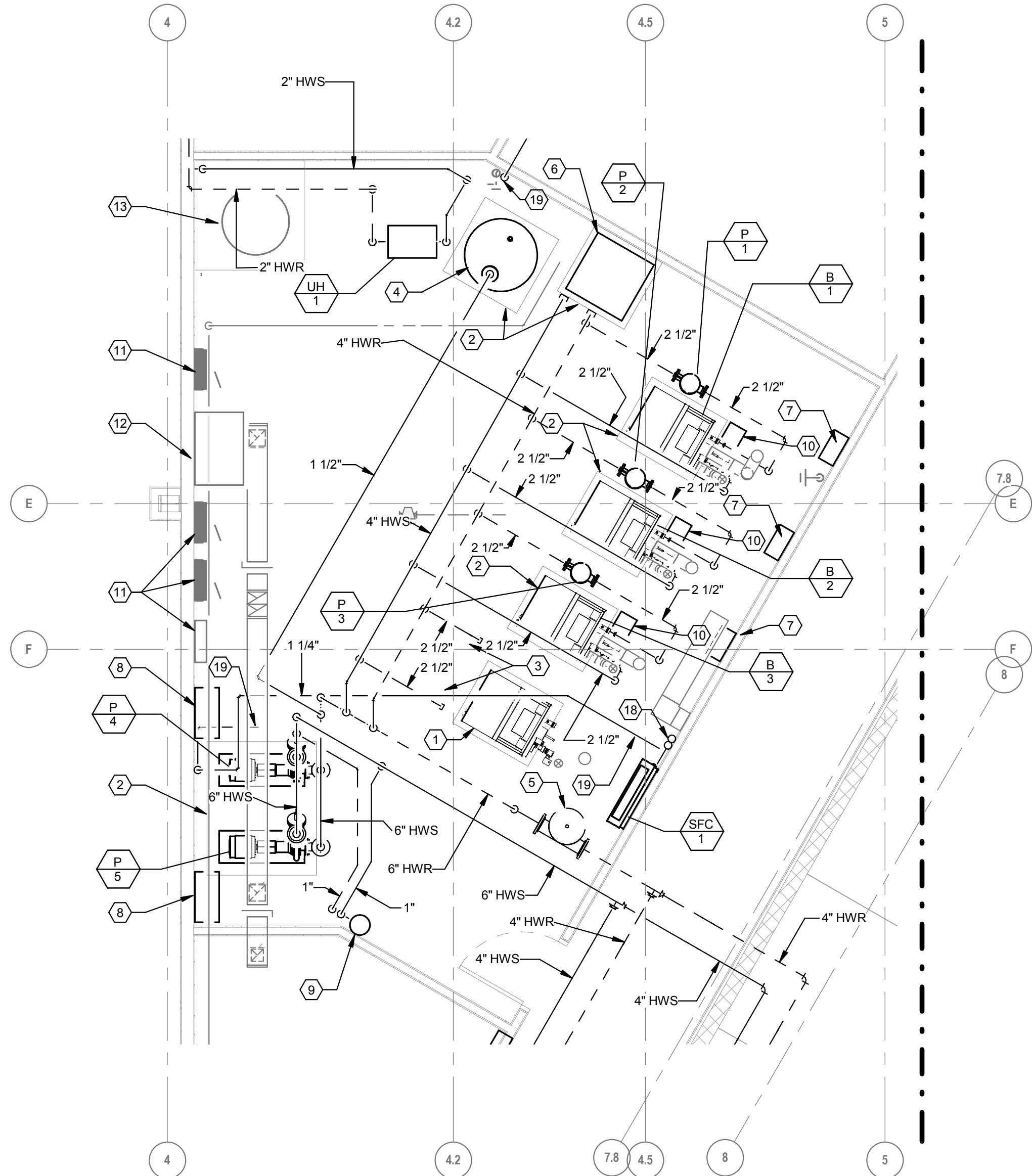
H-1.2



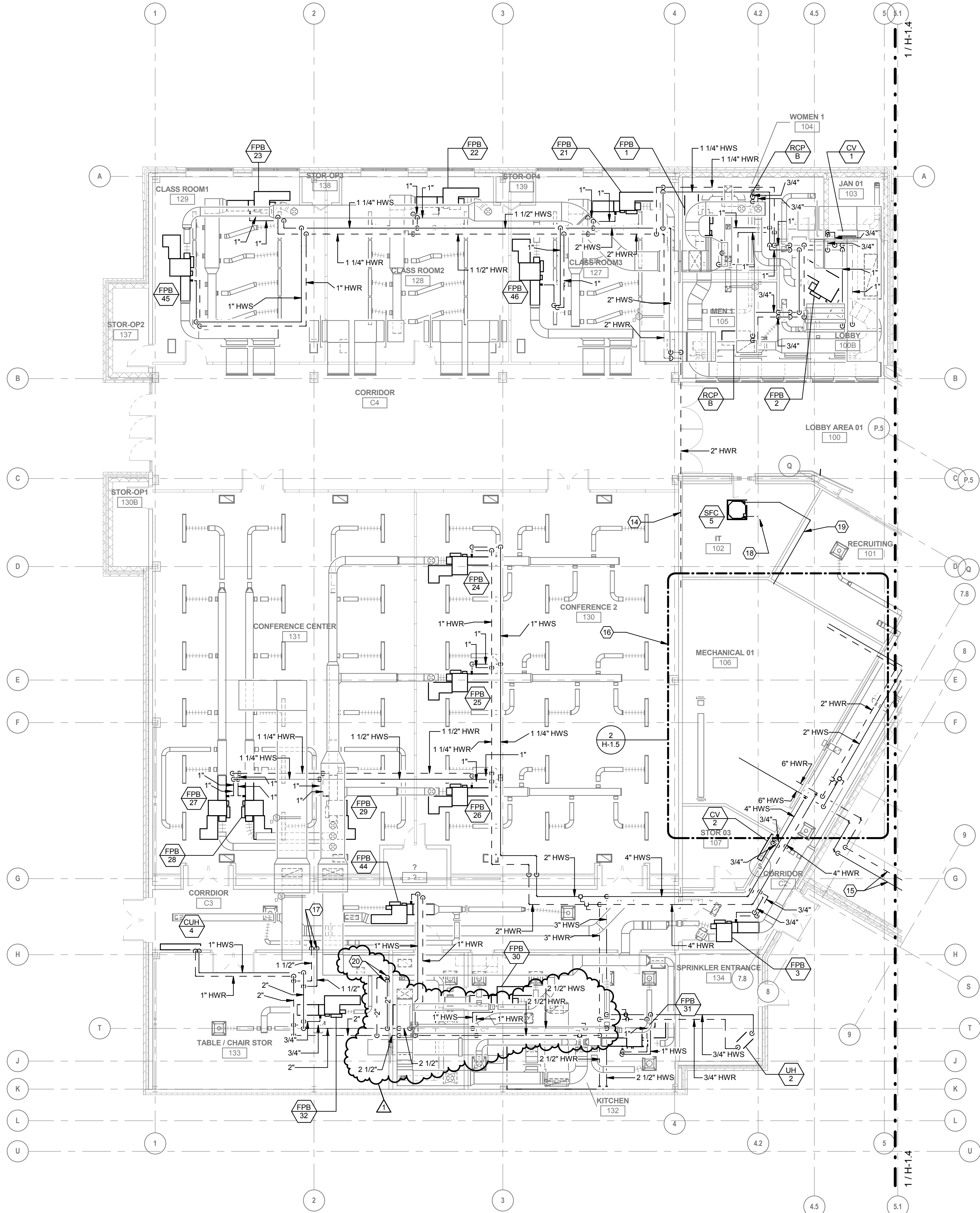
CODED NOTES:

(THIS DRAWING)

- 1 FUTURE BOILER AND FUTURE CONCRETE EQUIPMENT PAD.
- 2 PROVIDE A 4-INCH THICK CONCRETE EQUIPMENT PAD. THE PAD SHALL EXTEND BEYOND THE FOOTPRINT OF THE EQUIPMENT BY 3-INCHES ON ALL SIDES.
- 3 PROVIDE A BUTTERFLY VALVE AND CAP FOR FUTURE EXTENSION OF PIPING TO FUTURE BOILER.
- 4 EXPANSION TANK. SIMILAR TO BELL & GOSSETT MODEL B1200.
- 5 AIR SEPARATOR. SIMILAR TO BELL & GOSSETT MODEL R-6.
- 6 GLYCOL FEED UNIT.
- 7 MOTOR STARTER FOR BOILER PUMP.
- 8 VARIABLE FREQUENCY DRIVE FOR BUILDING PUMP.
- 9 CHEMICAL FEEDER. MOUNT TO WALL USING UNISTRUT.
- 10 ACID NEUTRALIZATION BOX. EXTEND DRAIN PIPING FROM BOILER. COMBUSTION AIR INTAKE RISER, AND BOILER FLUE RISER TO INLET OF BOX. EXTEND DISCHARGE FROM BOX TO NEAREST FLOOR DRAIN.
- 11 ELECTRICAL PANELBOARDS PROVIDED BY THE ELECTRICAL TRADE.
- 12 ELECTRICAL TRANSFORMER PROVIDED BY THE ELECTRICAL TRADE.
- 13 DOMESTIC WATER HEATER PROVIDED BY THE PLUMBING TRADE.
- 14 RUN 2" HWS & HWR STACKED INSIDE WALL.
- 15 SEE DRAWING H-1.5 FOR CONTINUATION OF PIPING.
- 16 SEE ENLARGED PLAN THIS SHEET FOR WORK IN THE MECHANICAL ROOM.
- 17 RUN 1-1/2" HWS & HWR PIPING UP THROUGH ROOF AND INSIDE ROOF CURB AND MAKE CONNECTION TO RTU-1.
- 18 RUN REFRIGERANT LIQUID AND REFRIGERANT SUCTION PIPING UP THROUGH ROOF TO CONDENSING UNIT. THE HVAC TRADE SHALL COORDINATE WITH THE MANUFACTURER FOR PROPER SIZE OF REFRIGERANT PIPING AND SHALL INSTALL THE PIPING IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. SEE DRAWING H-1.7 FOR CONTINUATION OF PIPING.
- 19 RUN 1-1/4" COIL CONDENSATE DRAIN LINE OVER TO FLOOR DRAIN IN MECHANICAL ROOM. TERMINATE PIPE OVER FLOOR DRAIN UNLESS IT WILL PRESENT A TRIPPING HAZARD, IN WHICH CASE TERMINATE THE PIPE AS CLOSE TO THE FLOOR DRAIN AS PRACTICAL. SEE PLUMBING DRAWINGS FOR LOCATION OF FLOOR DRAIN.
- 20 RUN 2" HWS & HWR PIPING UP THROUGH ROOF AND INSIDE ROOF CURB AND MAKE CONNECTION TO RTU-2.

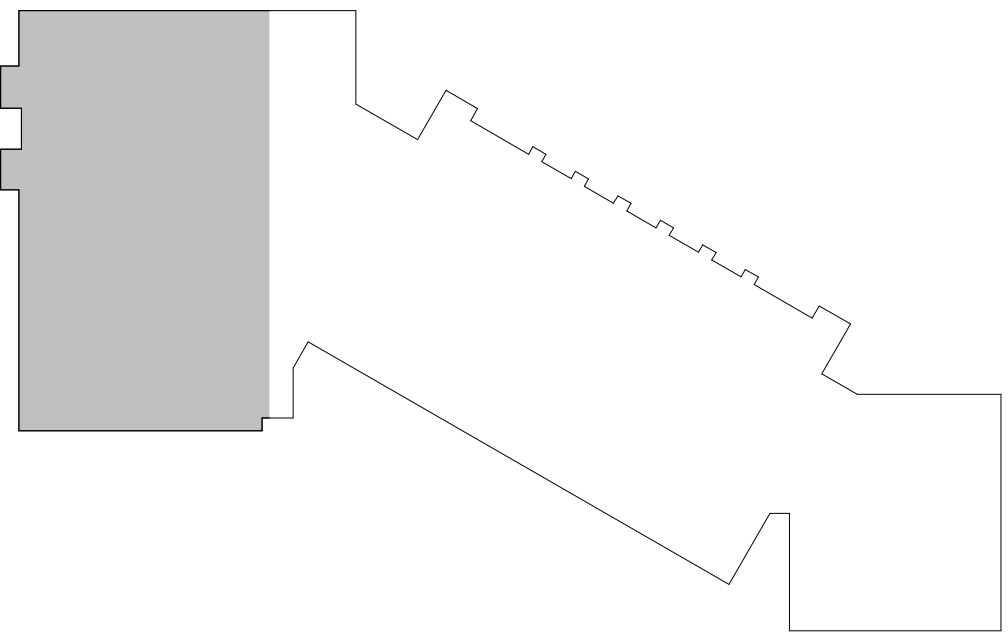


2 Enlarged Mechanical Room HVAC Piping Plan
1/4" = 1'-0"



1 HVAC Piping First Floor Plan - West Wing
1/8" = 1'-0"

WEST WING - KEY PLAN



**WARNG
BUCKHANNON AFRC**

BUCKHANNON, WV

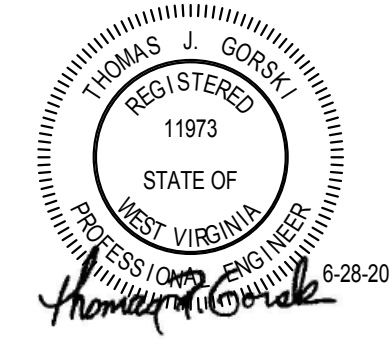
HVAC Piping First Floor Plan - West Wing

DRAWN BY:	TOWER
PROJECT ISSUE DATE:	June 28, 2012
SHEET ISSUE DATE:	
No.	Drawing Revisions
1	Date 8/14/12

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 H-1.5

APPROVED DRAWING USE:

- ☐ DESIGN DEVELOPMENT
- ☐ PROGRESS
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SHEET NO.

H-1.5



WARNG
BUCKHANNON AFRC

BUCKHANNON, WV

HVAC Roof Plan - West Wing

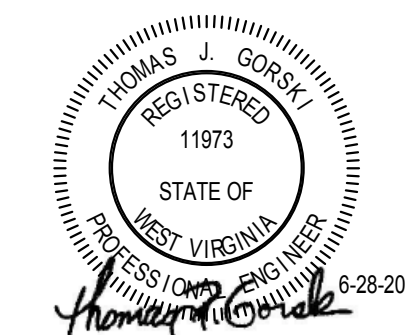
DRAWN BY: TOWER
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SHEET ISSUE DATE:

No.	Drawing Revisions
1	Date: 8/14/12

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 H-1.8

APPROVED DRAWING USE:

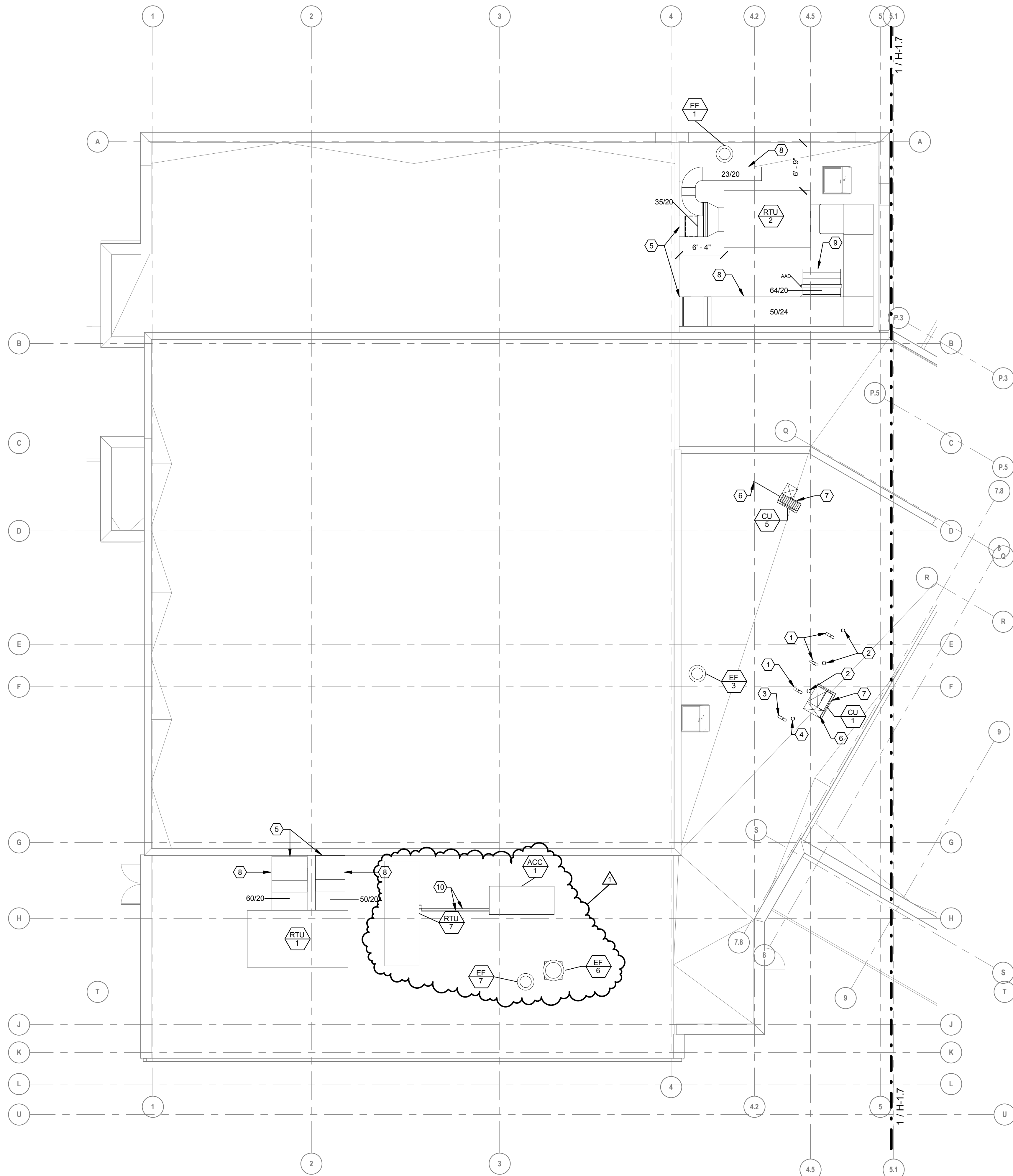
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SHEET NO.

H-1.8

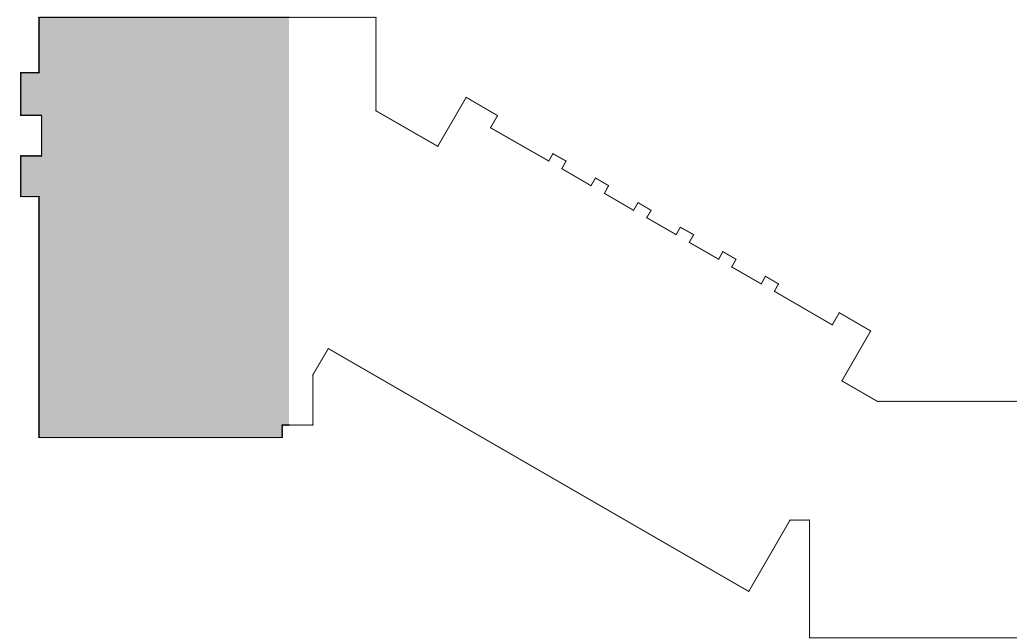


CODED NOTES:

(THIS DRAWING)

- 4"Ø COMBUSTION AIR DUCT DOWN TO FLOOR BELOW. TERMINATE COMBUSTION AIR DUCT OPEN-ENDED AT A 45° DOWNWARD ANGLE A MINIMUM 2'-0" ABOVE ROOF SURFACE. COVER THE OPENING WITH A BIRDSCREEN. REFER TO DRAWING H-1.2 FOR CONTINUATION OF DUCT.
- 6"Ø EXHAUST FLUE UP FROM FLOOR BELOW. TERMINATE FLUE WITH AN EXIT CONE A MINIMUM 4'-0" ABOVE THE ROOF SURFACE. PROVIDE A ROOF THIMBLE OR DUCT CURB AS RECOMMENDED BY THE FLUE MANUFACTURER WHERE THE FLUE PENETRATES THE ROOF. PROVIDE GUY WIRES AS REQUIRED FOR SUPPORT OF THE FLUE. REFER TO DRAWING H-1.2 FOR CONTINUATION OF FLUE.
- 6"Ø COMBUSTION AIR DUCT DOWN TO FLOOR BELOW. PROVIDE A DUCT CURB AT ROOF PENETRATION. EXTEND DUCT 2'-0" ABOVE THE DUCT CURB AND CAP. REFER TO DRAWING H-1.2 FOR CONTINUATION OF DUCT.
- 8"Ø EXHAUST FLUE UP FROM FLOOR BELOW. PROVIDE A DUCT CURB AT ROOF PENETRATION. EXTEND FLUE 2'-0" ABOVE THE DUCT CURB AND CAP. REFER TO DRAWING H-1.2 FOR CONTINUATION OF FLUE.
- REFER TO DRAWING H-1.2 FOR CONTINUATION OF DUCT.
- RUN REFRIGERANT LIQUID AND REFRIGERANT SUCTION PIPING DOWN THROUGH ROOF TO SPLIT PAN COIL UNIT. THE HVAC TRADE SHALL COORDINATE WITH THE MANUFACTURER FOR PROPER SIZE OF REFRIGERANT PIPING AND SHALL INSTALL THE PIPING IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. PROVIDE A PIPE PORTAL WHERE THE PIPING PENETRATES THE ROOF. REFER TO DRAWING H-1.5 FOR CONTINUATION OF PIPING.
- PROVIDE EQUIPMENT RAILS FOR SUPPORT OF CONDENSING UNIT. ALSO PROVIDE VIBRATION ISOLATION PADS FOR THE CONDENSING UNIT. SECURE CONDENSING UNIT AND VIBRATION ISOLATION PADS TO EQUIPMENT RAILS.
- PROVIDE EQUIPMENT RAILS FOR SUPPORT OF DUCTWORK ON ROOF. SECURE DUCTWORK TO EQUIPMENT RAILS.
- TERMINATE THE 64/20 RELIEF AIR DUCT OPEN-ENDED AT A 45° DOWNWARD ELBOW. PROVIDE A BIRDSCREEN IN OPEN END OF DUCT.
- RUN REFRIGERANT PIPING FROM AIR COOLED CONDENSER ACC-1 TO ROOFTOP UNIT RTU-7. SIZE PIPING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

WEST WING - KEY PLAN





ROOFTOP UNIT WITH ENERGY RECOVERY SCHEDULE

UNIT NO.	SERVES	TOTAL AIRFLOW (CFM)	MIN. OA (CFM)	SUPPLY FAN		POWER EXHAUST		HEAT RECOVERY WHEEL		DX COOLING								HOT WATER HEATING				ELECTRICAL DATA				BASED ON		REMARKS								
				E.S.P. (in WG)	MOTOR HP	E.S.P. (in WG)	MOTOR HP	OA AIRFLOW (CFM)	EA AIRFLOW (CFM)	SUMMER		WINTER		EAT		LAT		TOTAL MBH	SENS. MBH	EER	EAT (° F)	LAT (° F)	TOTAL MBH	WATER FLOW (GPM)	MAX. COIL FACE VEL. (FPM)	NO. OF ROWS	FINS PER FOOT		W.P.D. (FT. WG)	A.P.D. (IN. WG)	UNIT MCA	UNIT MOCP	V/PH	WEIGHT LB	MANUF.	MODEL
										(° F DB)	(° F WB)	(° F DB)	(° F WB)	(°)	(°)	(°)	(°)																			
RTU-1	CONFERENCE AREA	8950	5260	2.80	15.0		5.0	5260	5260	79.7	66.3	43.9	37.2	77.8	64.8	53.3	52.7	320.7	241.0	11.1	43.9	70.7	260	18	752	2	120	0.50	0.93	75	90	460/3	4600	ADDISON	TRSA	1,2,3,4,5,6,7,8

REMARKS:

- SINGLE POINT POWER CONNECTION WITH DISCONNECT SWITCH.
- 2" THICK, MERV 8 OUTSIDE AIR FILTERS.
- POWERED GPI RECEPTACLE.
- COMPARATIVE ENTHALPY ECONOMIZER.
- ALL COMPRESSORS SHALL BE DIGITAL SCROLL TYPE.
- VARIABLE FREQUENCY DRIVE ON EXHAUST FAN.
- 2" THICK, MERV 8 EXHAUST AIR FILTERS UPSTREAM OF HEAT WHEEL.
- 52" MAX. HEIGHT VIBRATION ISOLATION CURB WITH SUE DUCT CONNECTIONS.

DESIGN CONDITIONS:

OUTDOOR: (SUMMER @ 89°F DB, 72°F WB), (WINTER @ 0°F DB)
INDOOR: (SUMMER @ 75°F DB, 62.5°F WB), (WINTER @ 72°F DB, 62.0°F WB)

HOT WATER BOILER SCHEDULE

UNIT NO.	FUEL	GROSS INPUT (MBH)	GROSS OUTPUT (MBH)	EWT (°F)	LWT (°F)	WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT.)	RELIEF VALVE (PS)	ELECTRICAL		BASED ON		REMARKS
									VOLTS	PHASE	MANUF.	MODEL	
B-1	NATURAL GAS	750.0	574.2	110	140	50	23.00	125	120	1	AJAX	ATLAS	1
B-2	NATURAL GAS	750.0	574.2	110	140	50	23.00	125	120	1	AJAX	ATLAS	1
B-3	NATURAL GAS	750.0	574.2	110	140	50	23.00	125	120	1	AJAX	ATLAS	1

REMARKS:

- OUTPUT CAPACITIES INDICATED ARE BASED ON A 30% PROPYLENE GLYCOL SOLUTION.

PUMP SCHEDULE

UNIT NO.	SERVES	TYPE	FLOW RATE (GPM)	TOTAL HEAD (FT)	PUMPING TEMP. (°F)	MOTOR DATA		BASED ON		REMARKS
						HP	RPM	VOLTS/PHASE	MANUF.	
P-1	BOILER B-1	IN-LINE	50	45	110	1-1/2	1750	480 / 3	BELL & GOSSETT	1, 2, 5
P-2	BOILER B-2	IN-LINE	50	45	110	1-1/2	1750	480 / 3	BELL & GOSSETT	1, 2, 5
P-3	BOILER B-3	IN-LINE	50	45	110	1-1/2	1750	480 / 3	BELL & GOSSETT	1, 2, 5
P-4	BLDG HOT WATER SYSTEM	BASE MTD.	314	90	140	15	1750	480 / 3	BELL & GOSSETT	1, 2, 4, 6
P-5	BLDG HOT WATER SYSTEM	BASE MTD.	314	90	140	15	1750	480 / 3	BELL & GOSSETT	1, 3, 4, 6

REMARKS:

- HIGH EFFICIENCY MOTOR.
- PRIMARY OPERATION.
- STAND-BY OPERATION.
- VARIABLE FREQUENCY DRIVE BY H.C.
- COMBINATION MOTOR STARTER/DISCONNECT BY H.C.
- FUTURE FLOW RATE IS LISTED IN THE SCHEDULE. CURRENT FLOW RATE SHALL BE BALANCED TO 244 GPM.
- THE PERFORMANCE DATA SCHEDULED IS BASED ON A SYSTEM FLUID OF 30% PROPYLENE GLYCOL AND WATER.

FAN POWERED BOX SCHEDULE

UNIT		SPACE/ZONE SERVED		PRIMARY AIR FLOW		FAN		HOT WATER COIL				NC		BASED ON		REMARKS									
NO.				LOW MIN (CFM)	HIGH MIN (CFM)	MAX (CFM)		AIR FLOW (CFM)	MOTOR HP	MOTOR VOLTAGE	EAT °F	LAT °F	EWT °F	LWT °F	CAPACITY (MBH)	FLUID FLOW (GPM)	MAX COIL APD (IN.WG)	COIL WPD (FT.WG)	ROWS	MAX DSCH. NC	MAX RAD. NC	MANUF.	MODEL	SIZE	INLET SIZE
FPB-1	100 LOBBY	600	600	1750	1150	1.0	277/1	65.6	91.9	140.0	110.0	49.6	0.24	7.37	2 HC	1, 2, 3, 4, 5, 6, 7, 10			26	PRICE	FDV	5012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-2	100 LOBBY	600	600	1750	1150	1.0	277/1	65.6	91.9	140.0	110.0	49.6	0.24	7.37	2 HC	1, 2, 3, 4, 5, 6, 7, 10			26	PRICE	FDV	5012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-3	101 & C2	170	170	520	350	1/8	277/1	66.4	104.4	140.0	123.2	21.3	0.10	5.78	2 HC	1, 2, 3, 4, 5, 6, 7, 10			21	PRICE	FDV	2008	8	1, 2, 3, 4, 5, 6, 7, 10	
FPB-4	109 601st SUPPLY ROOM	360	360	960	600	1/4	277/1	72.0	83.0	140.0	117.4	18.6	0.12	2.64	2 HC	1, 2, 3, 4, 5, 6, 7, 9			21	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 9	
FPB-5	109 601st SUPPLY ROOM	620	620	940	320	1/8	277/1	58.1	86.2	140.0	110.9	28.5	0.27	3.61	2 HC	1, 2, 3, 4, 5, 6, 7, 10			25	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-6	111 OPEN OFFICE, 111A ADMIN & 111B ADMIN	350	350	1000	650	1/4	277/1	66.0	92.1	140.0	115.5	28.2	0.30	4.83	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-7	111 OPEN OFFICE, 111C ADMIN & 111D ADMIN	320	320	860	540	1/4	277/1	72.0	84.0	140.0	118.9	17.1	0.10	1.70	2 HC	1, 2, 3, 4, 5, 6, 7, 9			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 9	
FPB-8	112 CLASSROOM 4	310	510	1020	510	1/2	277/1	63.5	89.4	140.0	113.4	28.5	0.31	4.24	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-9	112 CLASSROOM 4	310	510	1020	510	1/2	277/1	63.5	89.4	140.0	113.4	28.5	0.31	4.24	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-10	114 229th SUPPLY ROOM	605	695	1240	545	1/4	277/1	60.2	86.1	140.0	115.2	34.6	0.43	6.90	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-11	115 229th OFFICE & 115B ADMIN	400	400	1230	830	1/2	277/1	72.0	89.0	140.0	123.9	29.8	0.11	7.90	2 HC	1, 2, 3, 4, 5, 6, 7, 9			26	PRICE	FDV	4012	12	1, 2, 3, 4, 5, 6, 7, 9	
FPB-12	115 229th OFFICE & 115B ADMIN	230	230	480	240	1/4	277/1	60.2	86.1	140.0	115.2	34.6	0.43	6.90	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-13	116 229th LAB	540	1000	1000	460	1/4	277/1	60.1	92.7	140.0	120.9	33.6	0.28	10.57	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	2008	8	1, 2, 3, 4, 5, 6, 7, 10	
FPB-14	117A BREAK ROOM	360	360	960	600	1/4	277/1	66.0	92.1	140.0	115.5	28.2	0.30	4.83	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-15	117 KITCHEN	250	350	800	450	1/8	277/1	72.0	82.0	140.0	118.9	15.1	0.07	1.00	2 HC	1, 2, 3, 4, 5, 6, 7, 10			21	PRICE	FDV	2008	8	1, 2, 3, 4, 5, 6, 7, 10	
FPB-16	123 FITNESS	925	925	925	360	1/4	277/1	51.8	86.9	140.0	124.6	48.5	0.46	16.77	2 HC	1, 2, 3, 4, 5, 6, 7, 10			27	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-17	123 FITNESS	925	925	925	360	1/4	277/1	51.8	86.9	140.0	124.6	48.5	0.46	16.77	2 HC	1, 2, 3, 4, 5, 6, 7, 10			27	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-18	124 LOCKERS	900	900	900	300	1/4	277/1	59.2	93.0	140.0	127.1	43.8	0.41	19.11	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-19	124 LOCKERS	900	900	900	300	1/4	277/1	59.2	93.0	140.0	127.1	43.8	0.41	19.11	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-20	125 & 126 SLEEPING ROOM	500	500	1010	510	1/4	277/1	64.0	98.0	140.0	128.6	39.0	0.33	19.22	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-21	127 CLASSROOM 3	1100	1100	1350	250	1/4	277/1	58.1	89.0	140.0	124.0	45.0	0.50	13.80	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-22	128 CLASSROOM 2	1100	1100	1350	250	1/4	277/1	58.1	89.0	140.0	124.0	45.0	0.50	13.80	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-23	129 CLASSROOM 1	1100	1100	1350	250	1/4	277/1	58.1	89.0	140.0	124.0	45.0	0.50	13.80	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-24	130 CONFERENCE 2	305	1035	1035	285	1/4	277/1	58.7	88.5	140.0	122.1	42.4	0.49	10.18	2 HC	1, 2, 3, 4, 5, 6, 7, 8, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 8, 10	
FPB-25	130 CONFERENCE 2	305	1035	1035	285	1/4	277/1	58.7	88.5	140.0	122.1	42.4	0.49	10.18	2 HC	1, 2, 3, 4, 5, 6, 7, 8, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 8, 10	
FPB-26	130 CONFERENCE 2	305	1035	1035	285	1/4	277/1	58.7	88.5	140.0	122.1	42.4	0.49	10.18	2 HC	1, 2, 3, 4, 5, 6, 7, 8, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 8, 10	
FPB-27	131 CONFERENCE	305	1035	1035	285	1/4	277/1	58.7	90.1	140.0	124.8	44.7	0.29	14.95	2 HC	1, 2, 3, 4, 5, 6, 7, 8, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 8, 10	
FPB-28	131 CONFERENCE	305	1035	1035	285	1/4	277/1	58.7	90.1	140.0	124.8	44.7	0.29	14.95	2 HC	1, 2, 3, 4, 5, 6, 7, 8, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 8, 10	
FPB-29	131 CONFERENCE	305	1035	1035	285	1/4	277/1	58.7	90.1	140.0	124.8	44.7	0.29	14.95	2 HC	1, 2, 3, 4, 5, 6, 7, 8, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 8, 10	
FPB-30	132 KITCHEN	775	775	775	360	1/8	277/1	60.4	89.7	140.0	119.4	35.9	0.37	10.40	2 HC	1, 2, 3, 4, 5, 6, 7, 10			21	PRICE	FDV	2010	10	1, 2, 3, 4, 5, 6, 7, 10	
FPB-31	132 KITCHEN	775	775	775	360	1/8	277/1	60.4	89.7	140.0	119.4	35.9	0.37	10.40	2 HC	1, 2, 3, 4, 5, 6, 7, 10			21	PRICE	FDV	2010	10	1, 2, 3, 4, 5, 6, 7, 10	
FPB-32	133 TABLE/CHAIR STORAGE	200	200	320	120	1/8	277/1	61.2	101.5	140.0	116.9	13.7	0.04	1.47	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	2006	6	1, 2, 3, 4, 5, 6, 7, 10	
FPB-33	202 601st OPEN OFFICE	400	400	1040	640	1/4	277/1	65.5	94.2	140.0	121.1	33.2	0.32	9.93	2 HC	1, 2, 3, 4, 5, 6, 7, 10			21	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-34	202 601st OPEN OFFICE	390	390	950	560	1/4	277/1	65.0	91.8	140.0	114.9	27.5	0.27	4.43	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-35	202 601st OPEN OFFICE	480	480	980	500	1/4	277/1	63.7	85.6	140.0	107.6	23.2	0.29	2.06	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-36	203 601st PLATOON OFFICE	350	350	1000	650	1/4	277/1	64.0	93.2	140.0	119.8	31.5	0.32	8.47	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-37	203 601st PLATOON OFFICE	350	350	1000	650	1/4	277/1	64.0	93.2	140.0	119.8	31.5	0.32	8.47	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3012	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-38	204 601st PLATOON OFFICE	235	235	745	510	1/4	277/1	64.7	92.6	140.0	112.8	22.4	0.18	2.65	2 HC	1, 2, 3, 4, 5, 6, 7, 10			22	PRICE	FDV	3010	10	1, 2, 3, 4, 5, 6, 7, 10	
FPB-39	204 601st PLATOON OFFICE	235	235	745	510	1/4	277/1	64.7	92.6	140.0	112.8	22.4	0.18	2.65	2 HC	1, 2, 3, 4, 5, 6, 7, 10			22	PRICE	FDV	3010	10	1, 2, 3, 4, 5, 6, 7, 10	
FPB-40	C1 CORRIDOR	380	380	945	565	1/4	277/1	65.2	93.8	140.0	118.8	29.1	0.27	6.67	2 HC	1, 2, 3, 4, 5, 6, 7, 10			24	PRICE	FDV	3010	10	1, 2, 3, 4, 5, 6, 7, 9	
FPB-41	C1 CORRIDOR	380	380	945	565	1/4	277/1	65.2	93.8	140.0	118.8	29.1	0.27	6.67	2 HC	1, 2, 3, 4, 5, 6, 7, 10			24	PRICE	FDV	3010	10	1, 2, 3, 4, 5, 6, 7, 10	
FPB-42	C1A CORRIDOR	830	830	1330	500	1/4	277/1	60.5	80.5	140.0	105.0	26.5	0.19	2.27	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	3010	12	1, 2, 3, 4, 5, 6, 7, 10	
FPB-43	C2 CORRIDOR 2nd FLOOR	250	250	600	350	1/8	277/1	62.4	91.2	140.0	109.9	18.7	0.12	1.59	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	2008	8	1, 2, 3, 4, 5, 6, 7, 10	
FPB-44	C3 CORRIDOR	105	105	350	245	1/8	277/1	72.0	102.0	140.0	134.3	13.5	0.03	10.34	2 HC	1, 2, 3, 4, 5, 6, 7, 9			20	PRICE	FDV	2008	6	1, 2, 3, 4, 5, 6, 7, 9	
FPB-45	C4 CORRIDOR	300	300	1000	700	1/2	277/1	66.9	98.8	140.0	117.0	34.4	0.16	8.88	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	4010	10	1, 2, 3, 4, 5, 6, 7, 10	
FPB-46	C4 CORRIDOR	300	300	1000	700	1/2	277/1	66.9	98.8	140.0	117.0	34.4	0.16	8.88	2 HC	1, 2, 3, 4, 5, 6, 7, 10			20	PRICE	FDV	4010	10	1, 2, 3, 4, 5, 6, 7, 10	

REMARKS:

- FURNISH WITH INTEGRAL DISCONNECT.
- FURNISH WITH FILTER MOUNTED ON RETURN INLET OF FAN POWERED BOX.
- FURNISH WITH A 3"-0" DISCHARGE SILENCER UNLESS SHOWN OTHERWISE ON DRAWINGS.
- FURNISH WITH A 90° ELBOW RETURN ATTENUATOR UNLESS SHOWN OTHERWISE ON DRAWINGS.
- SOUND TEST DATA IS OBTAINED IN ACCORDANCE WITH ARI STANDARD 880-9



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**HVAC
Schedules**

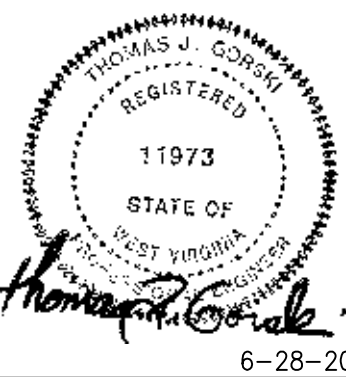
DRAWN BY: TOWER
PROJECT ISSUE DATE: 28 JUNE 2012
SHEET ISSUE DATE:

Drawing Revisions	
No.	Date
1	8/9/12

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER:

APPROVED DRAWING USING:

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SHEET NO.

H-4.2

EXHAUST HOOD SCHEDULE

UNIT NO.	AREA SERVED	EXHAUST AIRFLOW (CFM)	SUPPLY AIRFLOW (CFM)	E.S.P. (in WG)	HOOD SIZE	WIDTH (IN)	LENGTH (IN)	HEIGHT (IN)	BASED ON	MANUF.	MODEL	REMARKS
KH-1	KITCHEN	3500	1540	0.5	60	168	24		GREENHECK		GHEW	1, 2, 3, 4
KH-2	DISHWASHER	1050	---	0.03	72	84	24		GREENHECK		GO	3, 4

REMARKS:

1. INTEGRAL GREASE FILTERS.
2. INTEGRAL VAPORPROOF INCANDESCENT LIGHT FIXTURES.
3. STAINLESS STEEL CONSTRUCTION.
4. BOTTOM OF HOOD SHALL BE MOUNTED 78-INCHES AFF.

AIR COOLED CONDENSER SCHEDULE

TAG	SERVING	TOTAL CAPACITY MBH	AMBIENT TEMPERATURE (°F)	REFRIGERANT TYPE	WEIGHT (LBS.)	ELECTRICAL DATA	BASED ON	MANUF.	MODEL	REMARKS
ACC-1	RTU-7	180	89	R-410A	1100	39.7 60 2 690 W 460 / 3		REZNOR	MASA	

REMARKS:

AIR DIFFUSER SCHEDULE

TAG	TYPE	MAX AIRFLOW (CFM)	NECK SIZE (in)	NOMINAL FACE SIZE (in x in)	MAX T.P. (in WG)	NC RATING	BASED ON	MANUF.	MODEL	REMARKS
LSD-482	LINEAR SLOT	200	7	48 x 4	0.10	<=20		PRICE	SDA-100	2, 3, 4
SPD-6x	SQUARE PLAQUE	180	6	24 x 24	0.06	<=20		PRICE	SPD	1
SPD-8x	SQUARE PLAQUE	290	8	24 x 24	0.08	<=20		PRICE	SPD	1
SPD-10x	SQUARE PLAQUE	400	10	24 x 24	0.10	<=20		PRICE	SPD	1
SPD-12x	SQUARE PLAQUE	530	12	24 x 24	0.13	<=20		PRICE	SPD	1
SPD-14x	SQUARE PLAQUE	700	14	24 x 24	0.15	<=20		PRICE	SPD	1

REMARKS:

1. X = AIR PATTERN. X=1, 1 WAY. X=2, 2 WAY. X=3, 3 WAY. X=4, 4 WAY. SEE PLANS FOR AIR PATTERN FOR EACH DIFFUSER.
2. PROVIDE INSULATED PLENUM EQUIVALENT TO PRICE SDA100 PLENUM.
3. DIFFUSER SHALL HAVE 2 SLOTS.
4. SLOT PATTERN SHALL BE IN THE OPPOSED POSITION.

EXHAUST FAN SCHEDULE

UNIT NO.	AREA SERVED	TYPE	TOTAL AIRFLOW (CFM)	E.S.P. (in WG)	FAN SPEED	MOTOR	RPM	HP	V/PH	CONTROL	SONES	BASED ON	MANUF.	MODEL	REMARKS
EF-1	104, 105 WOMEN & MEN	CRE-D	625	0.35	1396	1550	1/8	115/1		DDC	7.2	GREENHECK		G-095-D	1,2,3,4
EF-2	120, 121 WOMEN & MEN	CRE-D	950	0.40	1376	1725	1/3	115/1		DDC	8.2	GREENHECK		G-103-A	1,2,3,4
EF-3	106 MECHANICAL	CRE-D	360	0.30	1401	1550	1/20	115/1		THERMOSTAT	6.1	GREENHECK		G-085-D	1,2,3,4
EF-4	201 RESTROOM	CRE-D	120	0.30	1476	1550	1/30	115/1		DDC	3.5	GREENHECK		G-065-D	1,2,3,4
EF-5	410A MAIL	CRE-D	70	0.30	854	860	1/8	115/1		DDC	2.5	GREENHECK		G-097-C	1,2,3,4
EF-6	132 KITCHEN	CRE-B	3500	1.1	1243	1725	2.0	460/3		SWITCH / HEAT SENSOR	16.7	GREENHECK		CUBE-180-20	1,3,5,6
EF-7	132 KITCHEN	CRE-D	1200	0.5	1135	1140	1/4	115/1		SWITCH	8.7	GREENHECK		G-133-B	1,2,3,4

TYPE:

CRE-D CENTRIFUGAL ROOF EXHAUST - DIRECT DRIVE
CRE-B CENTRIFUGAL ROOF EXHAUST - BELT DRIVE

REMARKS:

1. INTEGRAL DISCONNECT.
2. INTEGRAL SPEED CONTROL.
3. 24" ROOF CURB.
4. MOTORIZED DAMPER
5. FURNISH A GREASE TERMINATION.
6. FAN SHALL COMPLY WITH UL-762.

DEHUMIDIFIER SCHEDULE

TAG	SERVING	MOISTURE REMOVAL (LBS./HR.)	AIRFLOW (CFM)	MIN. E.S.P. REGEN. (in. W.G.)	MIN. E.S.P. REGEN. (in. W.G.)	HEATER CAPACITY (WATTS)	FULL LOAD AMPS	VOLTS/PHASE	BASED ON	MANUF.	MODEL	REMARKS
DHU-1	VAULT 109B	2.0	100	0.3	0.3	1350	13.0	115 / 1		STULZ	DH100	1
DHU-2	VAULT 114A	2.0	100	0.3	0.3	1350	13.0	115 / 1		STULZ	DH100	1

REMARKS:

1. BUILT IN ADJUSTABLE HUMIDISTAT CONTROL.

HOT WATER RADIANT CEILING PANEL SCHEDULE

TAG	W (in)	L (in)	MIN CAP. (MBH)	ENTERING TEMPS	WATER FLOW (GPM)	WTD (°F)	BASED ON	MANUF.	MODEL	REMARKS
RCP-A	24	24	0.38	70 140	1.0	30		FRENGER	MODULAR	1,2
RCP-B	24	48	0.76	70 140	1.0	30		FRENGER	MODULAR	1,2

REMARKS:

1. PERFORMANCE SHALL BE BASED ON USE OF A 30% PROPYLENE GLYCOL SOLUTION.
2. COORDINATE PANEL MOUNTING WITH CEILING TYPE.

SPLIT FAN COIL UNIT SCHEDULE

UNIT NO.	AREA SERVED	TOTAL COOLING MBH	TOTAL HEATING MBH	ELECTRICAL DATA	UNIT MCA	UNIT MOCP	V/PH	BASED ON	MANUF.	MODEL	ASSOCIATED CONDENSING UNIT	REMARKS
SFC-1	106 MECH	18.0	---		1	15			MITSUBISHI	PKA-A18GA	CU-1	1, 2, 3, 4
SFC-2	119 ELEC	12.0	---		1	15			MITSUBISHI	PKA-A12GA	CU-2	1, 2, 3, 4
SFC-3	122 STORAGE	18.0	19.0		1	15			MITSUBISHI	PKA-A18GA	CU-3	1, 2, 3, 4, 6
SFC-4	110A MAIL	18.0	19.0		1	15			MITSUBISHI	PLA-A18AA	CU-4	1, 2, 3, 5, 6
SFC-5	102 IT	24.0	---		1	15			MITSUBISHI	PLA-A24AA	CU-5	1, 2, 3, 5

REMARKS:

1. PROVIDE AN INTEGRAL CONDENSATE PUMP.
2. PROVIDE INTEGRAL DISCONNECT SWITCH.
3. PROVIDE WIRED REMOTE CONTROLLER.
4. WALL MOUNTED CONFIGURATION.
5. CEILING MOUNTED CONFIGURATION
6. HEATING CAPACITY IS BASED ON OUTDOOR AIR TEMP. OF 47°F DB/43°F WB

HOT WATER CONVECTOR SCHEDULE

UNIT NO.	AREA SERVED	NOMINAL LENGTH (N)	NOMINAL HEIGHT (N)	NOMINAL DEPTH (N)	HOT WATER COIL		CAPACITY (MBH)	BASED ON			REMARKS
					AWT (°F)	EAT (°F)		WATER FLOW (GPM)	MANUF.	MODEL	
CV-1	103 JAN 01	48	26	8	125	65	2.5	1.0	RITTLING	SL	1
CV-2	107 STOR 03	48	26	4	125	65	1.1	1.0	RITTLING	PL	1
CV-3	135 LANDING 1	36	32	6	125	65	1.3	1.0	RITTLING	FL	1
CV-4	136 LANDING 2	36	32	6	125	65	1.3	1.0	RITTLING	FL	1

REMARKS:

1. HOT WATER CAPACITIES LISTED ARE CORRECTED FOR A 30% PROPYLENE GLYCOL SOLUTION

UNIT HEATER SCHEDULE

UNIT NO.	AREA SERVED	TOTAL AIRFLOW (CFM)	HOT WATER COIL	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	CAPACITY (MBH)	WATER FLOW (GPM)	W.P.D. (ft HEAD)	ELECTRICAL	BASED ON	MANUF.	MODEL	REMARKS
UH-1	106 MECHANICAL	450	60	76.7	140	110	8.1	1.00	0.83	1/30	115/1		RITTLING	RH	1,2,3,4
UH-2	134 SPRINKLER ENTRANCE	400	60	73.9	140	110	6.0	0.80	0.49	1/30	115/1		RITTLING	RH	1,2,3,4
UH-3	109 SUPPLY ROOM	1550	70	89.5	140	110	32.7	5.00	0.35	1/8	115/1		RITTLING	RH	1,2,3,4
UH-4	114 SUPPLY ROOM	1550	70	89.5	140	110	32.7	5.00	0.35	1/8	115/1		RITTLING	RH	1,2,3,4

REMARKS:

1. PROVIDE AN INTEGRAL DISCONNECT.
2. PROVIDE AN AQUASTAT.
3. PROVIDE ADJUSTABLE DISCHARGE LOUVERS.
4. HOT WATER CAPACITIES LISTED ARE CORRECTED FOR A 30% PROPYLENE GLYCOL SOLUTION

CABINET UNIT HEATER SCHEDULE

UNIT NO.	AREA SERVED	TOTAL AIRFLOW (CFM)	MOTOR QUANTITY	HP	HOT WATER COIL	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	CAPACITY (MBH)	WATER FLOW (GPM)	W.P.D. (ft HEAD)	# OF ROWS	ELECTRICAL	BASED ON	MANUF.	MODEL	REMARKS
CUH-1	100A VESTIBULE 01	1130	2	1/15	60.0 97.9	140.0	110.0	46.2	7.75	1.93	2	115/1				RITTLING	RFRC-420	1, 2, 3, 4
CUH-2	100A VESTIBULE 01	1130	2	1/15	60.0 97.9	140.0	110.0	46.2	7.75	1.93	2	115/1				RITTLING	RFRC-420	1, 2, 3, 4
CUH-3	C1 CORRIDOR	700	1	1/15	70.0 90.5	140.0	110.0	15.5	3.25	1.15	1	115/1				RITTLING	RFRC-420	1, 2, 3, 4
CUH-4	G3 CORRIDOR	870	2	1/30, 1/15	70.0 102.4	140.0	110.0	30.4	6.00	1.10	2	115/1				RITTLING	RF-220	1, 2, 3, 4
CUH-5	ST1 STAIR	370	1	1/30	60.0 82.0	140.0	110.0	8.8	1.75	0.23	1	115/1				RITTLING	RF-220	1, 2, 3, 4
CUH-6	ST2 STAIR	370	1	1/30	60.0 82.0	140.0	110.0	8.8	1.75	0.23	1	115/1				RITTLING	RF-220	1, 2, 3, 4

REMARKS:

1. PROVIDE AN INTEGRAL DISCONNECT SWITCH.
2. PROVIDE AN AQUASTAT.
3. PROVIDE MERV-5 DISPOSABLE FILTERS.
4. HOT WATER CAPACITIES LISTED ARE CORRECTED FOR A 30% PROPYLENE GLYCOL SOLUTION



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Project Number:
201228



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BUCKHANNON, WV

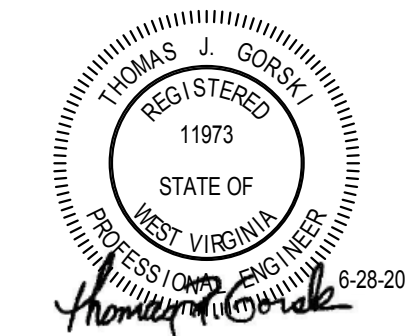
Plumbing Foundation Plan - West Wing

DRAWN BY:	TOWER
PROJECT ISSUE DATE:	June 28, 2012
SHEET ISSUE DATE:	
No.	Date
1	8/14/12

ARCHITECT PROJECT NUMBER: 21117
ARCHITECT CAD NUMBER: 21117 P-1.0

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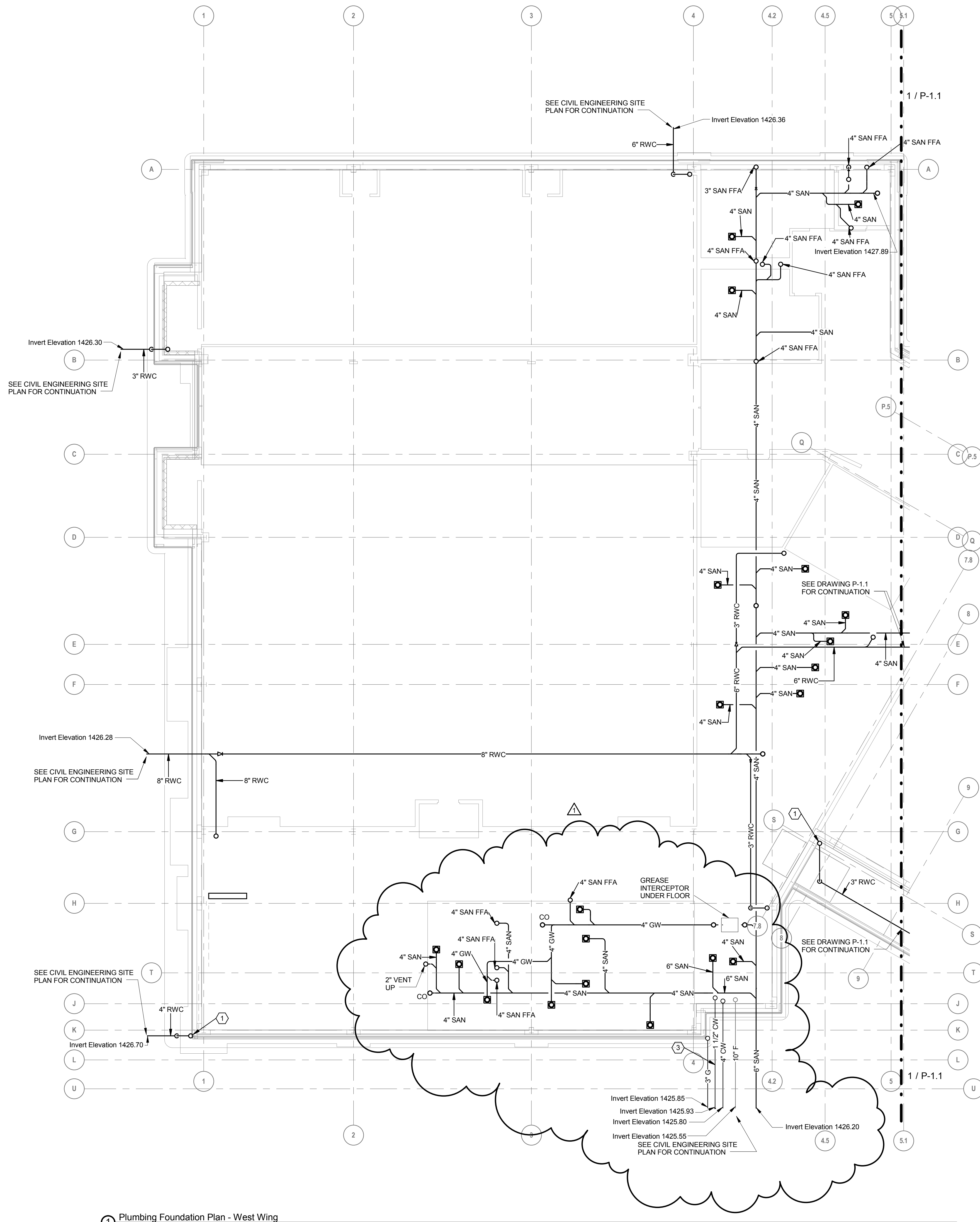
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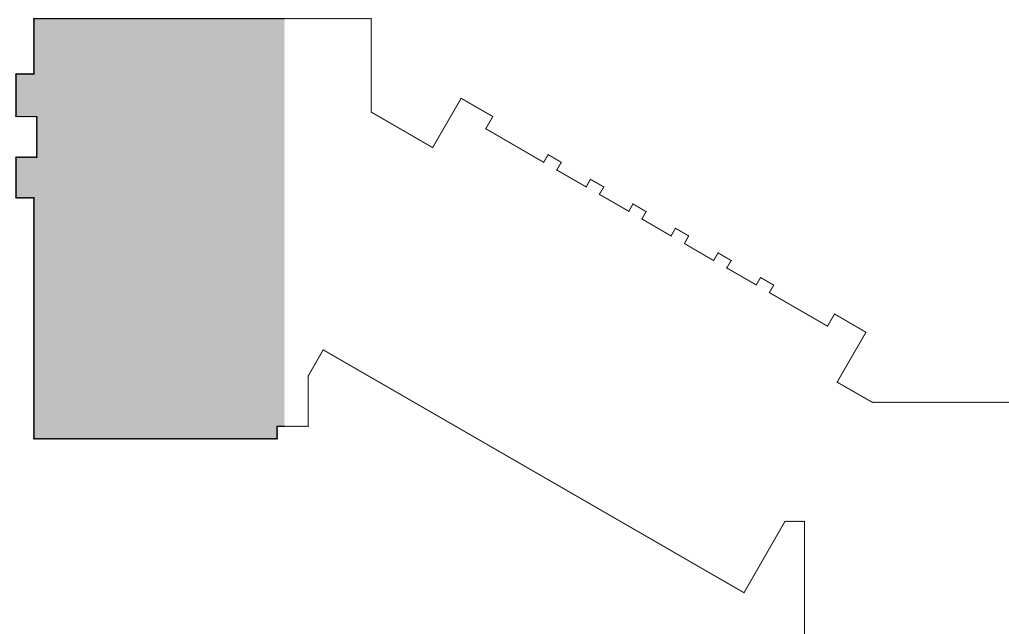
(THIS DRAWING)

- ① PROVIDE A DOWNSPOUT BOOT WITH CLEANOUT PLUG. SEE DETAIL ON DRAWING P-0.1.
- ② NOT USED.
- ③ 1-1/2" CW SERVICE TO BE PROVIDED UNDER WASH RACK ALTERNATE ONLY.



① Plumbing Foundation Plan - West Wing
1/8" = 1'-0"

WEST WING - KEY PLAN



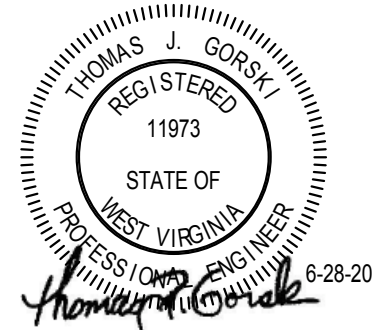


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ARCHITECT CAD NUMBER:	21117 P-1.2

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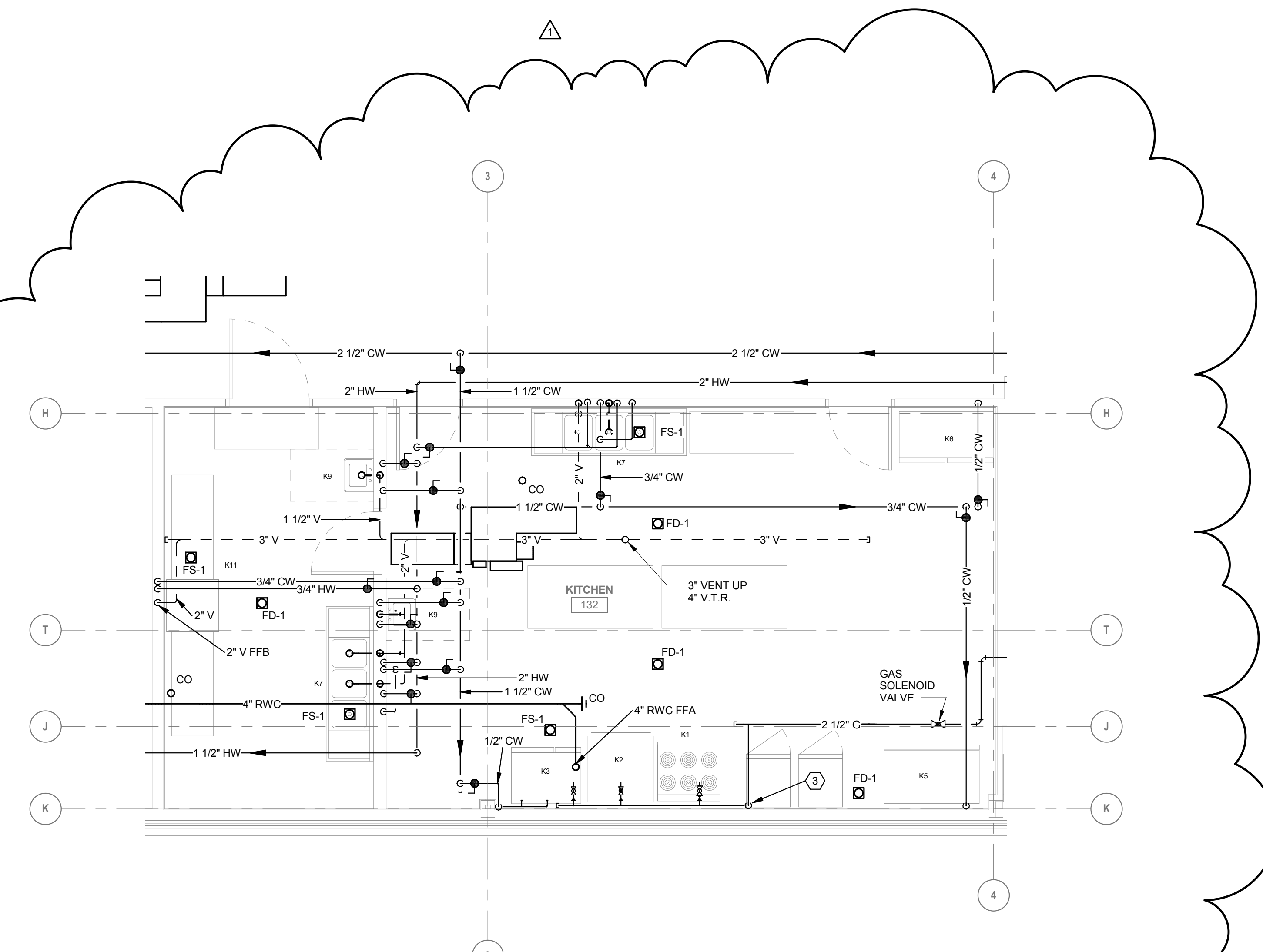
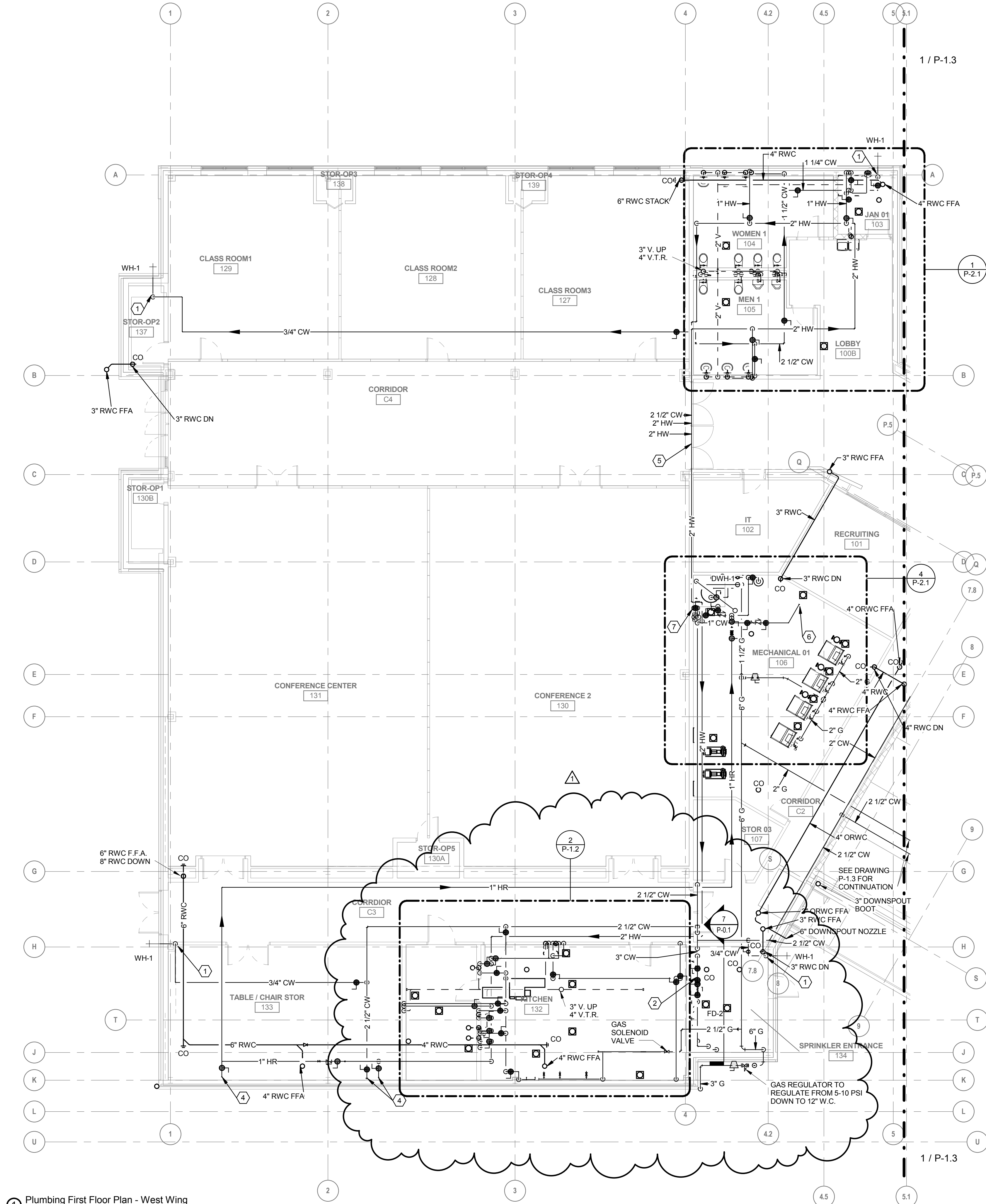
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(THIS DRAWING)

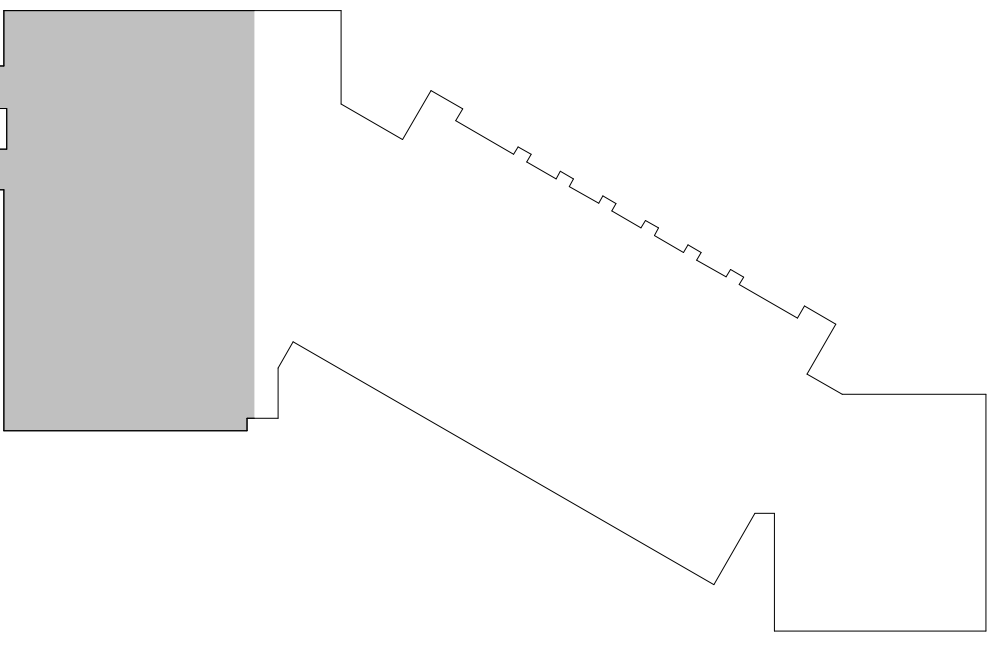
- 3/4" CW DOWN TO WALL HYDRANT.
- WATER SERVICE ENTRANCE. SEE DETAIL ON DRAWING P-0.1.
- 2-1/2" GAS DOWN ALONG WALL TO GAS APPLIANCES UNDER HOOD. RUN 2-1/2" GAS HEADER.
- PROVIDE CAPPED CW, HW, HR, & VENT LINES FOR FUTURE ADDITION.
- STACK 2" CW & (2) 2" HW LINES IN THIS AREA TO CROSS CORRIDOR. COORDINATE WH/HAC PIPING.
- 1" MAKE-UP WATER LINE FOR USE BY HVAC CONTRACTOR. PROVIDE (2) BALL VALVES, STRAINER, AND RPZ BACKFLOW PREVENTER. ROUTE DISCHARGE FROM BACKFLOW PREVENTER TO CLOSEST FLOOR DRAIN.
- 3/4" CW DOWN TO HOSE BIBB.



KITCHEN EQUIPMENT SCHEDULE					
ITEM NUMBER	DESCRIPTION	CW	HW	WASTE	VENT
K1	GAS RANGE	-	-	-	-
K2	GAS CONVECTION OVEN	-	-	-	-
K3	CONVECTION STEAMER	(2) 1/2"	-	FS	-
K5	REACH-IN REFRIGERATOR	1/2"	-	-	-
K6	REACH-IN FREEZER	1/2"	-	-	-
K7	SS THREE BOWL SINK	(2) 1/2"	(2) 1/2"	(3) 2" FS	(3) 1-1/2"
K9	HAND WASHING STATION	1/2"	1/2"	1-1/2"	1-1/2"
K11	PASS THROUGH DISH WASHER	3/4"	3/4"	FS	-
-	-	-	-	-	-
-	-	-	-	-	-

- NOTES:
- FUTURE TYPES SHALL BE CONFIRMED WITH THE FOOD SERVICE EQUIPMENT CONTRACTOR BEFORE ORDERING AND/OR INSTALLATION.
 - COORDINATE EXACT LOCATION OF EACH FIXTURE WITH THE FOOD SERVICE EQUIPMENT CONTRACTOR BEFORE ROUGH-IN.
 - MAKE ALL FINAL CONNECTION TO EQUIPMENT AS RECOMMENDED BY THE MANUFACTURER. REFER TO KITCHEN EQUIPMENT DRAWINGS FOR PLUMBER'S RESPONSIBILITY.
 - P.C. RESPONSIBLE FOR FLEXIBLE DRAIN HOSES FROM EQUIPMENT.

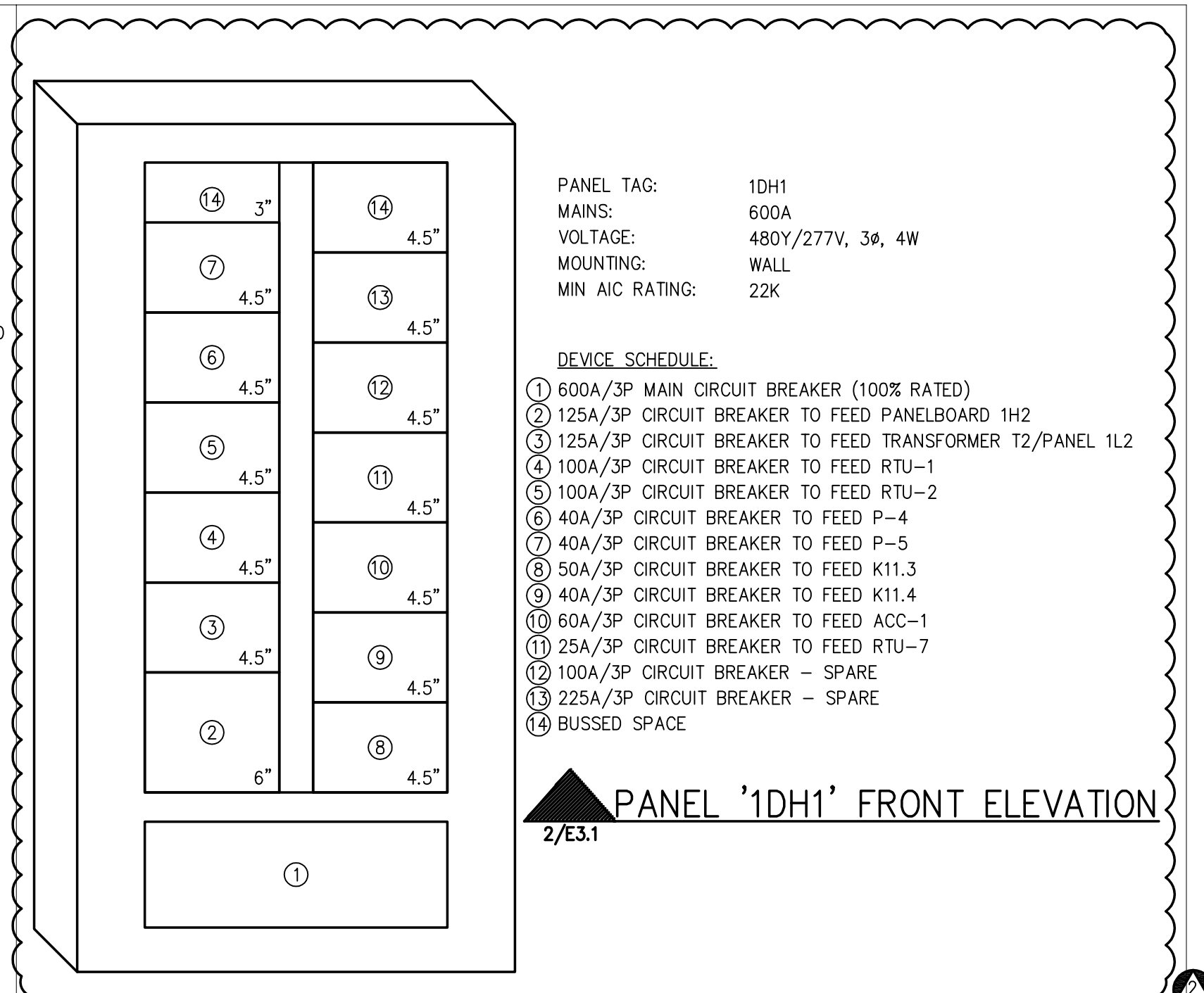
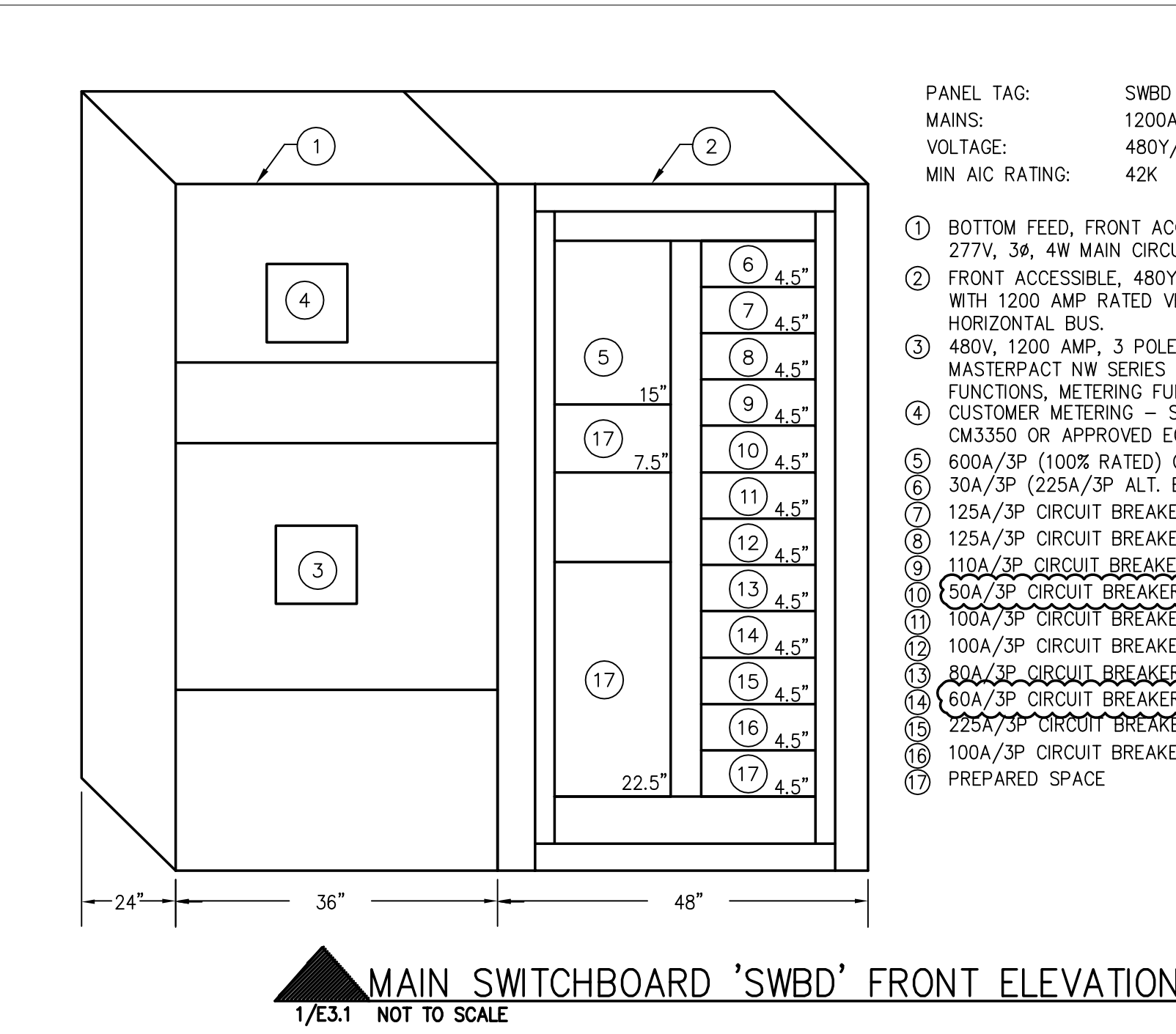
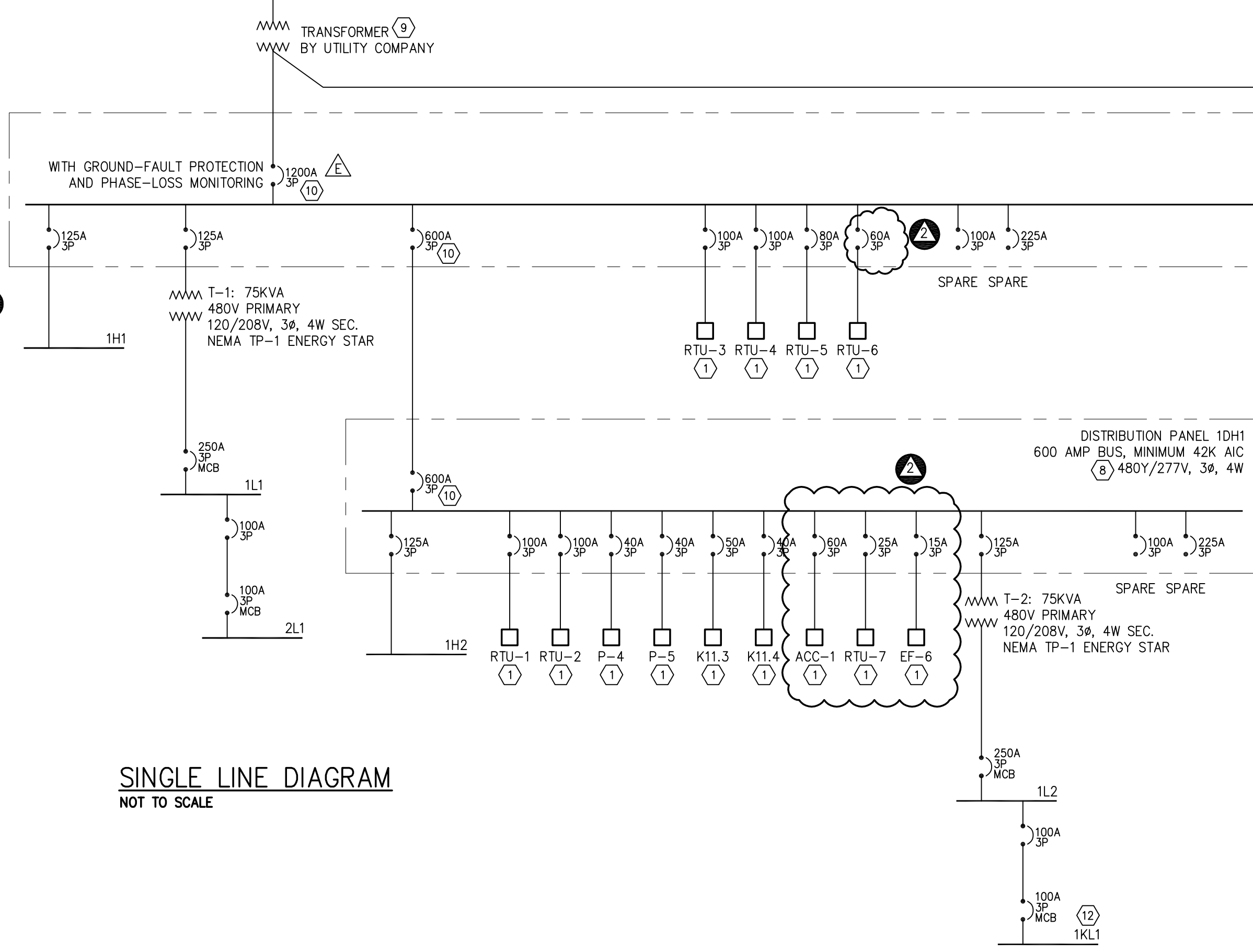
WEST WING - KEY PLAN



CODED NOTES: (SINGLE-LINE DIAGRAM-STEM ADDITION)

- REFER TO THE MECHANICAL/KITCHEN EQUIPMENT SCHEDULE FOR FEEDER SIZES.
- PROVIDE A 40 AMP, 480Y/277 VOLT, 3Ø, 4 WIRE, 4 POLE AUTOMATIC TRANSFER SWITCH WITH AN A.I.C. RATING OF 55K. ALL LOADS CONNECTED TO THIS ATS SHALL TRANSFER WITHIN 10 SECONDS OF LOSS OF POWER.
- PROVIDE A 40 AMP (ALTERNATE BID 200A), 480Y/277 VOLT, 3Ø, 4 WIRE, 4 POLE AUTOMATIC TRANSFER SWITCH WITH AN A.I.C. RATING OF 55K. ALL LOADS CONNECTED TO THIS ATS SHALL TRANSFER FIRST BEFORE ATS-2 BEGINS TRANSFER.
- EMERGENCY GENERATOR REMOTE ANNUNCIATOR PANEL. COORDINATE LOCATION OF ANNUNCIATOR PANEL WITH ARCHITECT IN FIELD.
- PROVIDE LOW VOLTAGE CONTROL WIRING IN 3/4" CONDUIT FROM AUTOMATIC TRANSFER SWITCH TO EMERGENCY GENERATOR CONTROL PANEL FOR START-UP SIGNAL. COORDINATE CABLING REQUIREMENTS WITH EMERGENCY GENERATOR MANUFACTURER.
- PROVIDE A BOND BETWEEN THE NEUTRAL AND GROUND BUS IN THE GENERATOR.
- EC TO VERIFY SIZE OF CIRCUIT BREAKER AND ENGINEERED SWITCH WITH ELEVATOR MANUFACTURER PRIOR TO PURCHASING EQUIPMENT.
- PROVIDE CUSTOMER METERING AT DISTRIBUTION PANELBOARD, SQUARE D PM820 OR EQUAL.
- TAP SECONDARY LUGS OF TRANSFORMER TO FEED FIRE PUMP.
- PROVIDE 100% RATED CIRCUIT BREAKER.
- CONNECT CONDUCTORS TO LUGS INSIDE COMPARTMENT MOUNTED ON EMERGENCY GENERATOR.
- UNDER ALTERNATE BID, FEED PANEL 1KL1 FROM PANEL 1NEL2 INSTEAD OF PANEL 1L2.

SINGLE LINE DIAGRAM
NOT TO SCALE



SELECTIVE COORDINATION GENERAL NOTES:

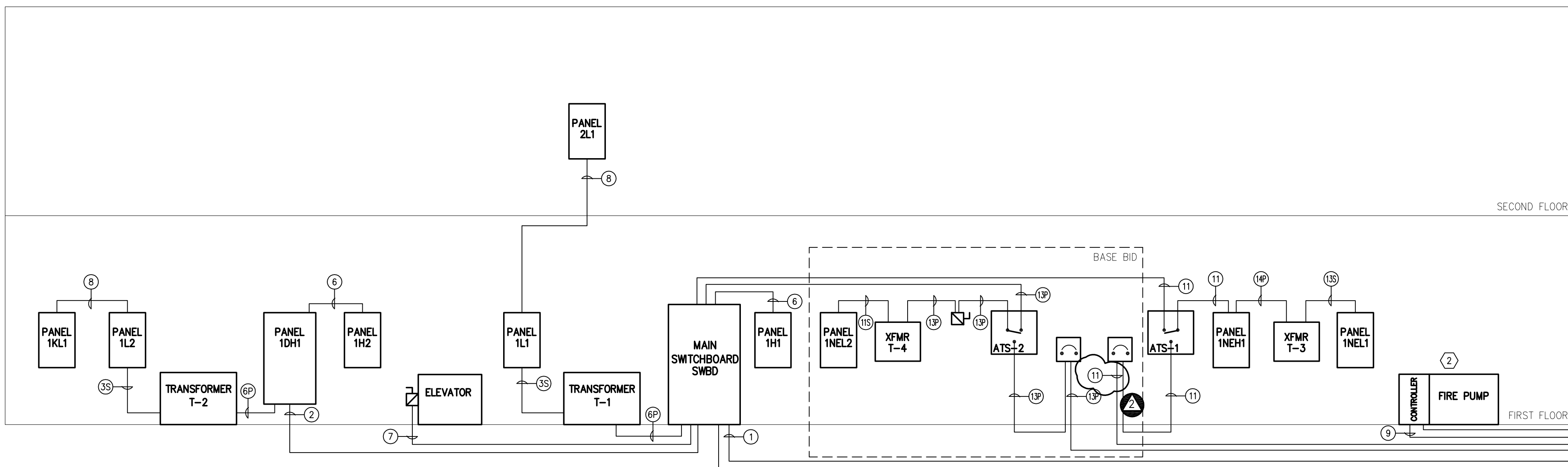
- PROVIDE FOR SELECTIVE COORDINATE FOR LEGALLY REQUIRED STANDBY SYSTEM IN ACCORDANCE WITH NFPA 99, 2012 EDITION. PROVIDE BREAKERS AS INDICATED BELOW AND TAGGED ON SINGLE LINE. BASIS OF DESIGN IS SQUARE D. ALTERNATE MANUFACTURERS SHALL PROVIDE PROOF OF SELECTIVE COORDINATION WITH THEIR SUBMITTAL. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COST OF CHANGES TO SYSTEM ASSOCIATED WITH USING AN ALTERNATE MANUFACTURER.

SELECTIVE COORDINATION CODED NOTES:

- AVAILABLE FAULT CURRENT: 0.889 KA
BREAKERS: SQUARE D TYPE HD MAIN, TYPE QOB BRANCH CIRCUIT BREAKERS (SEE PANEL SCHEDULE FOR BREAKER SIZES)
- TRANSFORMER: 9KVA, 480V TO 208Y/120V, MINIMUM IMPEDANCE: 2.6%
- AVAILABLE FAULT CURRENT: 13.776 KA
BREAKERS: SQUARE D POWERPACT H-FRAME MAIN BREAKER WITH MICROLOGIC 5.2 TRIP UNIT, TYPE HD, 150A FRAME, 100A PLUG, TRIP SETTINGS: Ir: 50 (50A), tr: 4, lsd: 10, tsd: 0.4, l2t: OUT, li: 10 (1000A)
- AVAILABLE FAULT CURRENT: 32.802 KA
BREAKERS: SQUARE D TYPE ED BRANCH CIRCUIT BREAKERS (3-PHASE) SQUARE D TYPE ED BRANCH CIRCUIT BREAKERS (1, 2-PHASE) (SEE PANEL SCHEDULE FOR BREAKER SIZES)
- AVAILABLE FAULT CURRENT: 32.802 KA
BREAKERS: SQUARE D PJ POWERPACT W/ MICROLOGIC 6.0 TRIP UNIT, 1200A FRAME, 1200A SENSOR, TRIP UNIT SETTINGS: LTPU: 1.0 (1200A), LTD: 2, STPU: 6, STD: 0.2, l2t: OUT, INST: 15 (18000A)
- AVAILABLE FAULT CURRENT: 0.998 KA
BREAKERS: SQUARE D POWERPACT H-FRAME MAIN BREAKER WITH MICROLOGIC 5.2 TRIP UNIT, TYPE HD, 150A FRAME, 100A PLUG, TRIP SETTINGS: Ir: 50 (50A), tr: 4, lsd: 10, tsd: 0.4, l2t: OUT, li: 10 (1000A)

PARTIAL SINGLE LINE DIAGRAM (ALTERNATE BID)
NOT TO SCALE

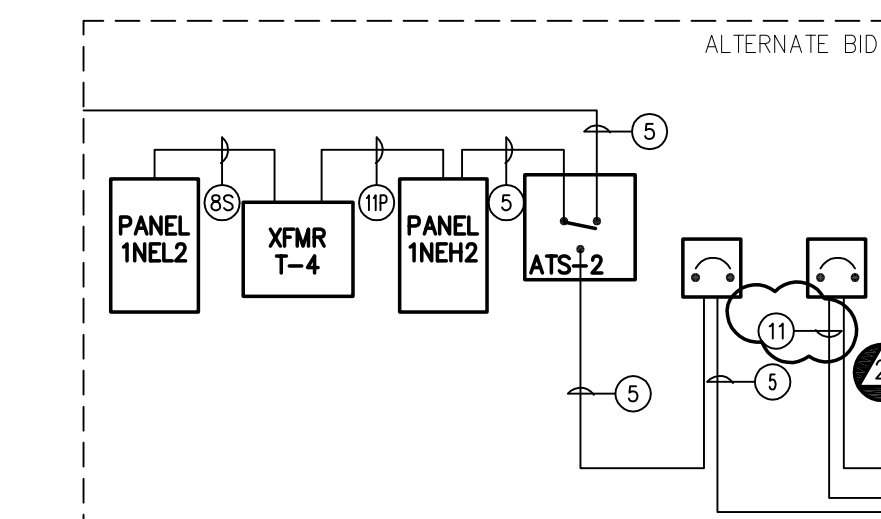
FEEDER SCHEDULE													
TAG	SETS	CONDUIT (PER SET)		CONDUCTORS (PER SET)									
		SIZE	TYPE	PHASE		NEUTRAL		GROUND		SIZE OF OVERCURRENT PROTECTION			
				NO.	SIZE	TYPE	NO.	SIZE	TYPE	NO.	SIZE	TYPE	NO.
1	3	4"	PVC	3	600KCMIL	CU THWN	1	600KCMIL	CU THWN	---	---	---	1200A
2	2	3"	PVC	3	350KCMIL	CU THWN	1	350KCMIL	CU THWN	1	1/2AWG	CU THWN	600A
3	1	2 1/2"	EMT	3	250KCMIL	CU THWN	1	250KCMIL	CU THWN	1	4AWG	CU THWN	250A
3S	1	2 1/2"	EMT	3	250KCMIL	CU THWN	1	250KCMIL	CU THWN	1	2AWG	CU THWN	250A
4	1	2"	EMT	3	4/0AWG	CU THWN	1	4/0AWG	CU THWN	1	4AWG	CU THWN	225A
5	1	2"	EMT	3	3/0AWG	CU THWN	1	3/0AWG	CU THWN	1	6AWG	CU THWN	200A
6	1	2"	EMT	3	1/0AWG	CU THWN	1	1/0AWG	CU THWN	1	6AWG	CU THWN	125A
6P	1	2"	EMT	3	1/0AWG	CU THWN	---	---	---	1	6AWG	CU THWN	125A
7	1	1 1/2"	EMT/PVC	3	1AWG	CU THWN	1	1AWG	CU THWN	1	6AWG	CU THWN	100A
8	1	1 1/2"	EMT/PVC	3	1AWG	CU THWN	1	1AWG	CU THWN	1	6AWG	CU THWN	100A
8S	1	1 1/2"	EMT/PVC	3	1AWG	CU THWN	1	1AWG	CU THWN	1	6AWG	CU THWN	100A
9	1	1 1/2"	EMT/PVC	3	2AWG	CU THWN	1	2AWG	CU THWN	1	6AWG	CU THWN	80A
10	1	1 1/4"	EMT/PVC	3	4AWG	CU THWN	1	4AWG	CU THWN	1	10AWG	CU THWN	60A
11	1	1"	EMT/PVC	3	6AWG	CU THWN	1	6AWG	CU THWN	1	10AWG	CU THWN	50A
11P	1	1"	EMT/PVC	3	6AWG	CU THWN	---	---	---	1	10AWG	CU THWN	50A
11S	1	1"	EMT/PVC	3	6AWG	CU THWN	1	6AWG	CU THWN	1	6AWG	CU THWN	50A
12	1	1"	EMT/PVC	3	8AWG	CU THWN	1	8AWG	CU THWN	1	10AWG	CU THWN	40A
13	1	1"	EMT/PVC	3	10AWG	CU THWN	1	10AWG	CU THWN	1	10AWG	CU THWN	30A
13P	1	1"	EMT/PVC	3	10AWG	CU THWN	---	---	---	1	10AWG	CU THWN	30A
13S	1	1"	EMT/PVC	3	10AWG	CU THWN	1	10AWG	CU THWN	1	8AWG	CU THWN	30A
14	1	3/4"	EMT/PVC	3	12AWG	CU THWN	1	12AWG	CU THWN	1	12AWG	CU THWN	15A
14P	1	3/4"	EMT/PVC	3	12AWG	CU THWN	---	---	---	1	12AWG	CU THWN	15A



CODED NOTES: (RISER DIAGRAM)

- GROUNDING TRIAD. REFER TO DETAIL 4/E5.1 FOR REQUIREMENTS.
- FEEDERS TO FIRE PUMP SHALL BE ROUTED BELOW GRADE. WHERE FEEDERS CANNOT BE ROUTED BELOW BUILDING, TRANSITION CABLES TO MINERAL INSULATED (MI) CABLE AND COMPLETE ROUTING TO FIRE PUMP CONTROLLER. PROVIDE 3-#16GAWG CONTROL CONDUCTORS IN 1" PVC CONDUIT FROM EMERGENCY GENERATOR TO FIRE PUMP CONTROLLER FOR START SIGNAL. ROUTE CONDUCTORS BELOW GRADE. WHERE CONTROL CONDUCTORS CANNOT BE ROUTED BELOW BUILDING, TRANSITION CABLES TO MI CABLE AND COMPLETE ROUTING TO FIRE PUMP CONTROLLER.

RISER DIAGRAM
NOT TO SCALE



PARTIAL RISER DIAGRAM (ALTERNATE BID)
NOT TO SCALE

Drawing Revisions	
No.	Date
2	2012.06.14 ADDENDUM #2

APPROVED DRAWING USE:

- DESIGN DEVELOPMENT
- PROGRESS
- PERMIT ACQUISITION
- FOR BIDDING
- CONSTRUCTION DOCUMENT