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NEW CONSTRUCTION FOR

BEDFORD COUNTY DEPARTMENT OF SOCIAL SERVICES

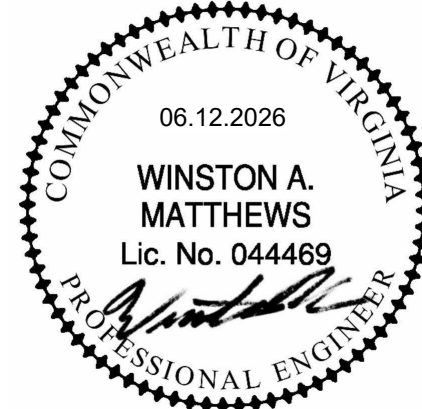
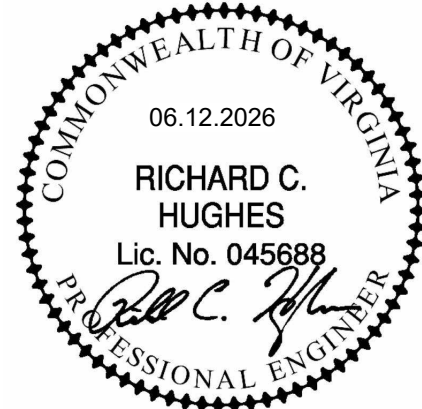
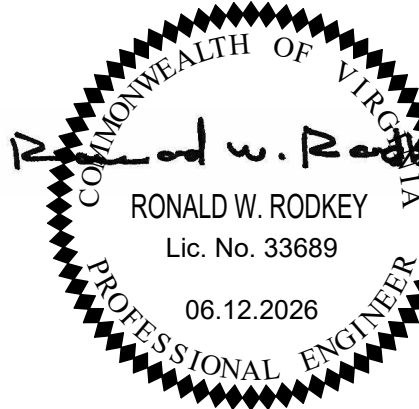
FALLING CREEK ROAD

BEDFORD, VA 24523

PROJECT PHASE:
BID DOCUMENTS

SPECTRUM DESIGN PROJECT NO.:
24112

PROJECT DATE:
06.12.2026



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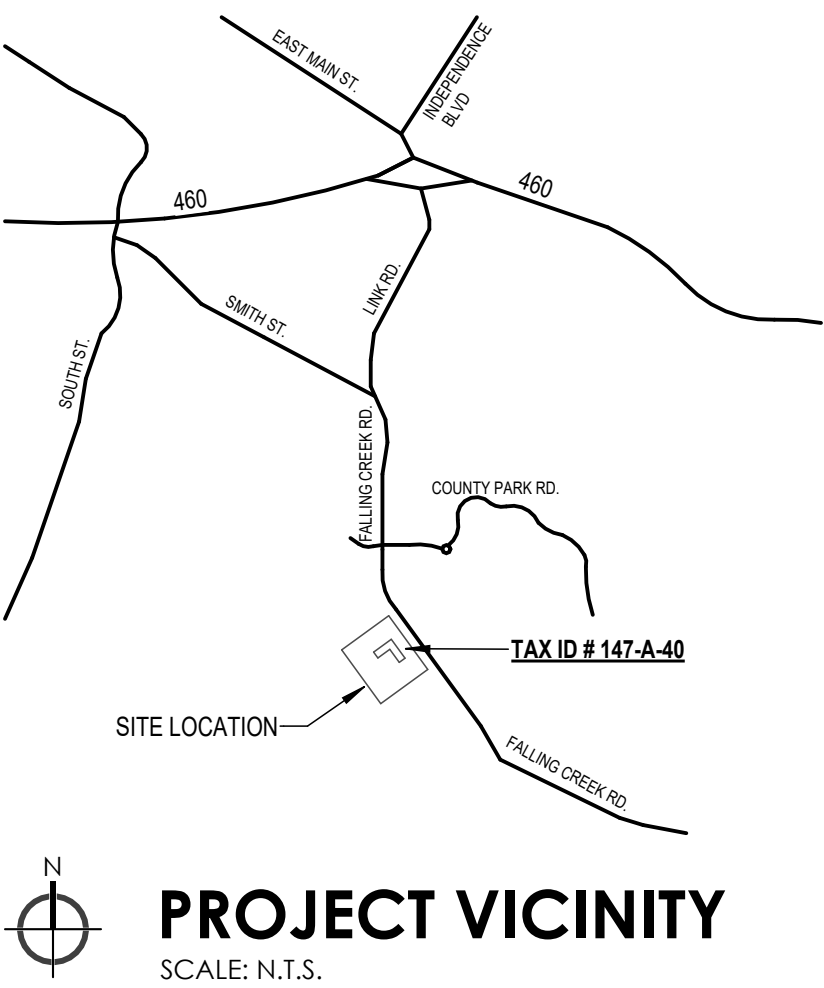
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GENERAL PROJECT INFORMATION

SITE INFORMATION				
TAX MAP NO.:	147-A-40			
ZONING:	AP- AGRICULTURAL / RURAL PRESERVE DISTRICT			
FLOOD ZONE:	N/A			
PERMIT AUTHORITY:	COUNTY OF BEDFORD			
OWNER INFORMATION				
OWNER/AUTHORIZED AGENT:	OWNER'S ADDRESS:			
DOUGLAS COFFMAN	122 E. MAIN STREET, SUITE 202			
DIRECTOR OF PUBLIC WORKS	BEDFORD VA 24523			
PHONE: (540) 586-7601 x1392				
EMAIL: DCOFFMAN@BEDFORDCOUNTYVA.GOV				
PROJECT TYPE:	NEW CONSTRUCTION FOR			
PROJECT NAME:	BEDFORD COUNTY DEPARTMENT OF SOCIAL SERVICES			
PROJECT ADDRESS:	FALLING CREEK ROAD BEDFORD, VA 24523			
LEAD DESIGN PROFESSIONALS				
<u>DISCIPLINE</u>	<u>FIRM</u>	<u>NAME</u>	<u>LICENSE</u>	<u>TELEPHONE</u>
CIVIL	SPECTRUM DESIGN	MICHAEL RAKES	28199	540.342.6001
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ARCHITECTURAL	SPECTRUM DESIGN	NATHAN HARPER	14926	540.342.6001
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MECHANICAL	LPA	RICHARD HUGHES	045688	540.342.1816
ELECTRICAL	LPA	WINSTON MATHEWS	044469	540.342.1816
FIRE ALARM	LPA	WINSTON MATHEWS	044469	540.342.1816
SPRINKLER	LPA	RICHARD HUGHES	045688	540.342.1816

PROJECT CODE SUMMARY

PROJECT DESCRIPTION
THE PROJECT IS GENERALLY DESCRIBED AS A NEW OFFICE BUILDING WITH TRAINING / ASSEMBLY ROOMS

CHAPTER 1: ADMINISTRATION - APPLICABLE BUILDING

2021 VIRGINIA CONSTRUCTION CODE (VCC)
2021 VIRGINIA PLUMBING CODE (VPC)
2021 VIRGINIA MECHANICAL CODE (VMC)
2021 VIRGINIA ENERGY CONSERVATION CODE (VECC), CLIMATE ZONE 4A
2021 VIRGINIA STATEWIDE FIRE PREVENTION CODE (VSFPC)
2020 NATIONAL ELECTRICAL CODE (NFPA 70)
2019 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS(NFPA 13)
2019 NATIONAL FIRE ALARM AND SIGNALING CODE(NFPA 72)
2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ANSI 117.1)

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION

USE GROUPS: A-3 - ASSEMBLY (SECTION 303.4) B - BUSINESS (SECTION 304)

CHAPTER 4: SPECIAL DETAILED REQUIREMENTS BASED ON OCCUPANCY:

ATRIUMS (SECTION 404)
SMOKE CONTROL (SECTION 404.5) EXCEPTION 2 - NOT REQUIRED WHEN ALL STORIES ARE SEPARATED FROM THE ATRIUM IN ACCORDANCE WITH PROVISIONS FOR A SHAFT (SECTION 713.4, 1 HR SEPARATION RATING REQUIRED WHEN LESS THAN FOUR STORIES)

ENCLOSURE (404.6): ATRIUM SPACES SHALL BE SEPARATED FROM ADJACENT SPACES BY A 1 HR FIRE BARRIER

CHAPTER 5: GENERAL BUILDING HEIGHTS & AREAS

MIXED USE AND OCCUPANCY: NONSEPARATED MIXED USE OCCUPANCIES (SECTION 508.3)

BUILDING HEIGHT ALLOWABLE (TABLE 504.3): 75 FT USE GROUP SM (MOST RESTRICTIVE)
BUILDING HEIGHT PROVIDED: 57'-7" FT

NUMBER OF STORIES ALLOWABLE (TABLE 504.4): 3 STORIES (MOST RESTRICTIVE)
NUMBER OF STORIES PROVIDED: 3 STORIES

ALLOWABLE AREA FACTOR (TABLE 506.2)
NON-SEPARATED MIXED USE: 28,500 SF TABULAR AREA PER STORY (MOST RESTRICTIVE)
BUILDING AREA PROVIDED PER STORY: 9,719 SF (LOWER FLOOR)
16,211 SF (MAIN FLOOR)
11,360 SF (UPPER FLOOR)

TOTAL BUILDING AREA ALLOWED: 85,500 SF
TOTAL BUILDING AREA PROVIDED: 37,290 SF

CHAPTER 6: TYPE OF CONSTRUCTION

CONSTRUCTION TYPE (SECTION 602): IIB UNPROTECTED, NONCOMBUSTIBLE

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)

PRIMARY STRUCTURAL FRAME: 0 HR

BEARING WALLS
EXTERIOR: 0 HR
INTERIOR: 0 HR

NONBEARING WALLS
EXTERIOR: 0 HR
INTERIOR: 0 HR

FLOOR CONSTRUCTION: 0 HR

ROOF CONSTRUCTION: 0 HR

CHAPTER 7: FIRE & SMOKE PROTECTION FEATURES

FIRE WALLS (SECTION 706): N/A
FIRE BARRIERS (SECTION 707): N/A

FIRE SEPARATION ASSEMBLIES
EXIT STAIR (SECTION 1019, 1023): 1 HR DOOR RATING: 1 HR (TABLE 716.1.2)
SHAFTS (SECTION 713.4): 1 HR (<4 STORIES)
MIXED USE FIRE SEPARATION: N/A

FIRE PARTITIONS (SECTION 708)
EXIT CORRIDOR (SECTION 1020): 0 HR N/A
TENANT SEPARATIONS: N/A

SMOKE BARRIERS (SECTION 709): N/A
SMOKE PARTITIONS (SECTION 710): N/A
DRAFTSTOPPING (SECTION 716): N/A

CHAPTER 8: INTERIOR FINISHES

INTERIOR FINISH REQUIREMENTS (TABLE 803.13) USE GROUP B
VERTICAL EXITS & PASSAGEWAYS: CLASS B MINIMUM (SPRINKLERED)
EXIT ACCESS CORRIDORS: CLASS C MINIMUM (SPRINKLERED)
ROOMS / ENCLOSED SPACES: CLASS C MINIMUM (SPRINKLERED)

INTERIOR FINISH REQUIREMENTS (TABLE 803.13) USE GROUP A3
VERTICAL EXITS & PASSAGEWAYS: CLASS B MINIMUM (SPRINKLERED)
EXIT ACCESS CORRIDORS: CLASS B MINIMUM (SPRINKLERED)
ROOMS / ENCLOSED SPACES: CLASS C MINIMUM (SPRINKLERED)

CHAPTER 9: FIRE PROTECTION SYSTEMS

AUTOMATIC SPRINKLER SYSTEM (SECTION 903): SM - BUILDING IS TWO OR MORE STORIES ABOVE GRADE PLANE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM

PORTABLE FIRE EXTINGUISHERS (SECTION 906.1): PROVIDED PER THIS SECTION

FIRE ALARM AND DETECTION SYSTEM (SECTION 907.2): FIRE ALARM AND DETECTION SYSTEM IS PROVIDED THROUGHOUT BUILDING

ON SYSTEM (SECTION 907.2): FIRE ALARM AND DETECTION SYSTEM IS PROVIDED THROUGHOUT BUILDING

CHAPTER 10: MEANS OF EGRESS

DESIGN OCCUPANT LOAD (TABLE 1004.5):

ASSEMBLY - 100 NET SF / OCCUPANT.
BUILDING TOTAL = XXX OCCUPANTS - SEE PLAN

BUSINESS - 100 GROSS SF / OCCUPANT.
BUILDING TOTAL = XXX OCCUPANTS - SEE PLAN

ASSEMBLY - 15 NET SF / OCCUPANT.
5,323 SF / 15 SF = 358 OCCUPANTS

BUSINESS - 150 GROSS SF / OCCUPANT.
20,047 SF / 150 SF = 179 OCCUPANTS

ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM - 300 GROSS SF / OCCUPANT.
1,912 SF / 300 SF = 11 OCCUPANTS

COMMON PATH OF TRAVEL (SECTION 1006.2.1): WITH SPRINKLER SYSTEM = 100 FT MAX. - USE GROUP B
ACTUAL MAXIMUM COMMON PATH OF EGRESS TRAVEL = 89'-6" FT - USE GROUP B

COMMON PATH OF TRAVEL (SECTION 1006.2.1): WITH SPRINKLER SYSTEM = 75 FT MAX. - USE GROUP A
ACTUAL MAXIMUM COMMON PATH OF EGRESS TRAVEL = XXX FT - USE GROUP A

REQUIRED NUMBER OF EXITS (TABLE 1006.3.3): EXITS REQUIRED = 2 ; EXITS PROVIDED = 9

AREAS OF REFUGE (SECTION 1009.3.3): EXCEPTION #2 - NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2): WITH SPRINKLER SYSTEM =300 FT MAX. - USE GROUP B
ACTUAL MAXIMUM EXIT ACCESS TRAVEL DISTANCE = 114 FT - USE GROUP B

EXIST ACCESS TRAVEL DISTANCE (TABLE 1017.2): WITH SPRINKLER SYSTEM =250 FT MAX. - USE GROUP A
ACTUAL MAXIMUM EXIT ACCESS TRAVEL DISTANCE = XXX FT - USE GROUP A

CORRIDOR FIRE RESISTANCE RATING (TABLE 1020.2): 0 HR WITH AUTOMATIC SPRINKLER SYSTEM.

REQUIRED CORRIDOR WIDTHS (SECTION 1020.3): 44" MIN. ; ACTUAL CORRIDOR WIDTHS = 44" MIN.

CHAPTER 11: ACCESSIBILITY

ACCESSIBLE ROUTE (SECTION 1104.1): AT LEAST ONE ACCESSIBLE ROUTE IS REQUIRED

ACCESSIBLE ENTRANCES (SECTION 1105): 80% OF REQUIRED PUBLIC ENTRANCES MUST BE ACCESSIBLE

AUTOMATIC DOORS (SECTION 1105.1.1) NOT REQUIRED 1 REQUIRED, 3 PROVIDED

PARKING AND PASSENGER LOADING FACILITIES (SECTION 1106): ACCESSIBLE PARKING SPACES ARE PROVIDED IN PARKING LOT - SEE CIVIL DRAWINGS

CHAPTER 20: PLUMBING SYSTEMS:

MINIMUM PLUMBING FACILITIES (VCC SECTION 2902/ VPC SECTION 403): SEE CHART - PLUMBING FIXTURE CALCULATIONS

PLUMBING FIXTURE CALCULATIONS (VPC TABLE 403.1)

OCCUPANCY	WATER CLOSETS				LAVATORIES				DRINKING FOUNTAINS		SRVC SINKS 1 PER BLDG
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	RATIO	QTY	
CLASSIFICATION	LOAD	RATIO	QTY	RATIO	QTY	RATIO	QTY	RATIO	QTY		
LOWER FLOOR PLUMBING FIXTURES											
A3 - ASSEMBLY (NONFIXED SEATING)	45	1:125	0.18	1:65	0.35	1:200	0.12	1:200	0.12	1:500	00
B - BUSINESS	54	1:25 < 50 1:50 > 50	1.08	1:25 < 50 1:50 > 50	1.08	1:40 < 80 1:40 > 80	0.68	1:40 < 80 1:40 > 80	0.68	1:100	00
.TOTAL REQUIRED	2		2		1		1		1		1
PROVIDED	2		2		2		2		2		1

2 ADDITIONAL GENDER NEUTRAL TOILET(S) AND LAVATORIES PROVIDED.
1 GENDER NEUTRAL SHOWER PROVIDED.

MAIN FLOOR - SERVICES PLUMBING FIXTURES

A3 - ASSEMBLY (NONFIXED SEATING)	43	1:125	0.18	1:65	0.34	1:200	0.11	1:200	0.11	1:500	0.086
B - BUSINESS	62	1:25 < 50 1:50 > 50	1.24	1:25 < 50 1:50 > 50	1.24	1:40 < 80 1:40 > 80	0.78	1:40 < 80 1:40 > 80	0.78	1:100	0.62
.TOTAL REQUIRED	2		2		1		1		1		1
PROVIDED	2		2		2		2		2		1

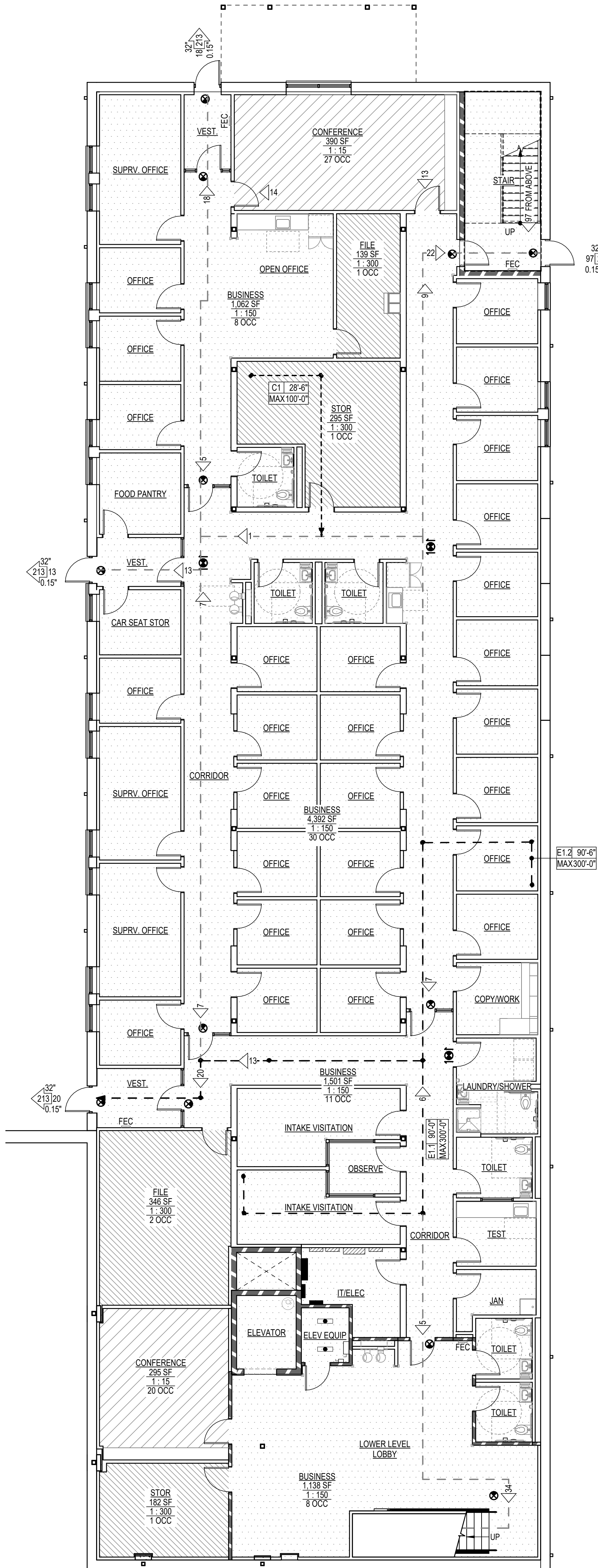
MAIN FLOOR - TRAINING ROOM PLUMBING FIXTURES

A3 - ASSEMBLY (NONFIXED SEATING)	224	1:125	0.9	1:65	1.72	1:200	0.56	1:200	0.56	1:500	1
.TOTAL REQUIRED	1		2		1		1		1		1
PROVIDED	4		5		2		3		1		1

1 ADDITIONAL GENDER NEUTRAL TOILET AND LAVATORY PROVIDED.

UPPER FLOOR PLUMBING FIXTURES

A3 - ASSEMBLY (NONFIXED SEATING)	32	1:125	0.13	1:65	0.25	1:200	0.08	1:200	0.08	1:500	00
B - BUSINESS	70	1:25 < 50 1:50 > 50	1.40	1:25 < 50 1:50 > 50	1.40	1:40 < 80 1:40 > 80	0.88	1:40 < 80 1:40 > 80	0.88	1:100	00
.TOTAL REQUIRED	2		2		1		1		1		1
PROVIDED	3		3		3		3		2		1



LIFE SAFETY LEGEND

SPACE IDENTIFIER
SPACE NAME
1,200 SF
1:200
200/200
AREA OF SPACE
SF PER OCCUPANT
ACTUAL SEATS (IF APPLICABLE)
CALCULATED OCCUPANCY

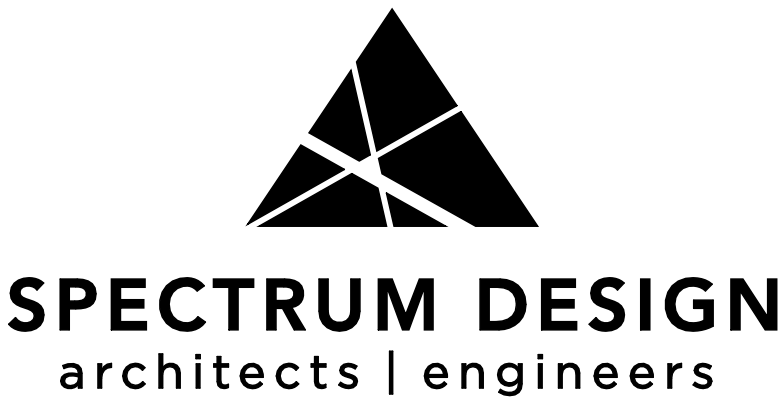
EGRESS ELEMENTS
ALLOWABLE EGRESS CAPACITY OF OPENING
CLEAR WIDTH OF OPENING
ACTUAL EGRESS LOAD OF OPENING
EGRESS CAPACITY FACTOR
CUMULATIVE EGRESS LOAD ALONG PATH
CLEAR WIDTH OF STAIRWAY
EGRESS CAPACITY FACTOR
OCCUPANT CAPACITY OF STAIRWAY

TRAVEL DISTANCE
PATHS OF TRAVEL
COMMON PATH OF TRAVEL (Cx)
DISTANCE AND DIRECTION
EXIT ACCESS TRAVEL (Ex)
DISTANCE AND DIRECTION
DEAD END CORRIDOR (Dx)
DISTANCE AND DIRECTION

RATED ASSEMBLIES
1 HOUR FIRE RATINGS

FIRE EXTINGUISHER & MOUNTING TYPE
FEC FIRE EXTINGUISHER & SEMI-RECESSED CABINET
OTHER LIFE SAFETY DEVICES
AED AUTOMATED EXTERNAL DEFIBRILLATOR

OCCUPANCY LEGEND
ACCESSORY STORAGE AREAS / MECH. EQUIPT. ROOMS
ASSEMBLY - UNCONCENTRATED (TABLE AND CHAIRS)
BUSINESS AREAS



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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.:241112



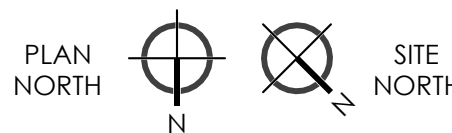
PROJ. MGR.: CHECKED BY: DRAWN BY:
JM NLH MCA, TLR, LAC

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:



SHEET NAME:

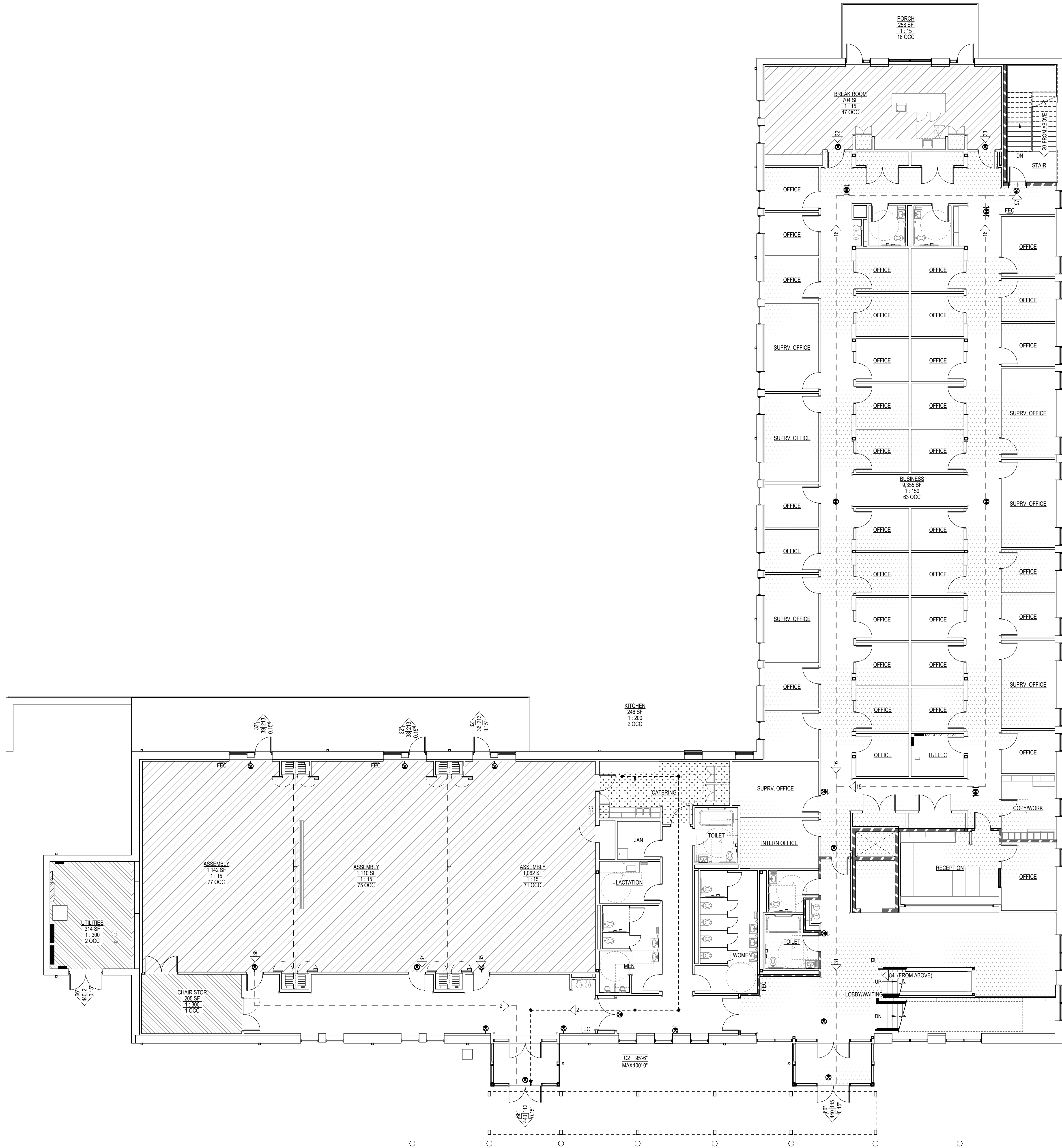
CODE SUMMARY,
FIXTURE SCHEDULE, &
LIFE SAFETY PLAN
LOWER FLOOR

SHEET NUMBER:

LS001

1 LIFE SAFETY PLAN - LOWER FLOOR

LS001 SCALE: 1/8" = 1'-0"



LIFE SAFETY LEGEND

SPACE IDENTIFIER
SPACE NAME
1200 SF
1,200
200/200
AREA OF SPACE
SF PER OCCUPANT
ACTUAL SEATS (IF APPLICABLE)
CALCULATED OCCUPANCY

EGRESS ELEMENTS

ALLOWABLE EGRESS CAPACITY OF OPENING
CLEAR WIDTH OF OPENING
66"
440/200
ACTUAL EGRESS LOAD OF OPENING
0.15
EGRESS CAPACITY FACTOR
100
CUMULATIVE EGRESS LOAD ALONG PATH
STAIR
100' CLR
1,000 CAP.
EGRESS CAPACITY FACTOR
OCCUPANT CAPACITY OF STAIRWAY

TRAVEL DISTANCE

PATHS OF TRAVEL
Cx 100'-0"
MAX 200'-0"
COMMON PATH OF TRAVEL (Cx)
DISTANCE AND DIRECTION
Ex 100'-0"
MAX 200'-0"
EXIT ACCESS TRAVEL (Ex)
DISTANCE AND DIRECTION
Dx 100'-0"
MAX 200'-0"
DEAD END CORRIDOR (Dx)
DISTANCE AND DIRECTION

RATED ASSEMBLIES

1 HOUR FIRE RATINGS

FIRE EXTINGUISHER & MOUNTING TYPE

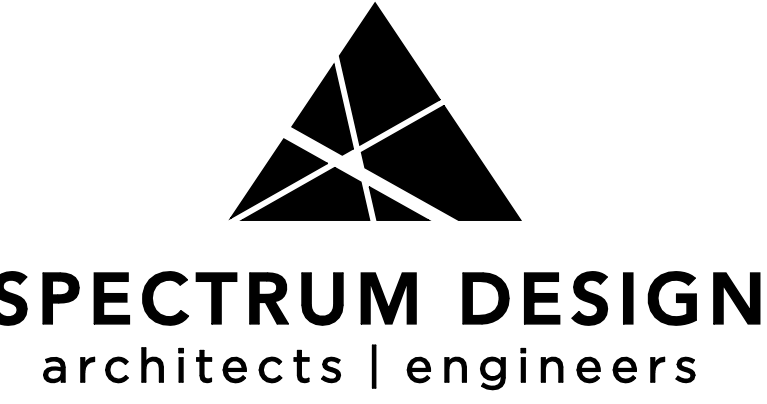
FEC FIRE EXTINGUISHER & SEMI-RECESSED CABINET

OTHER LIFE SAFETY DEVICES

AED AUTOMATED EXTERNAL DEFIBRILLATOR

OCCUPANCY LEGEND

ACCESSORY STORAGE AREAS / MECH. EQUIPT. ROOMS
ASSEMBLY - UNCONCENTRATED (TABLE AND CHAIRS)
BUSINESS AREAS
KITCHENS - COMMERCIAL



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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: JM CHECKED BY: NLH DRAWN BY: MCA, TLR, LAC

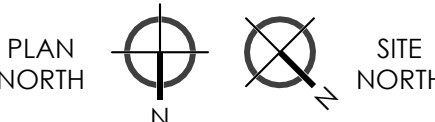
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SHEET REVISIONS:



SHEET NAME:

CODE SUMMARY,
FIXTURE SCHEDULE, &
LIFE SAFETY PLAN
MAIN FLOOR

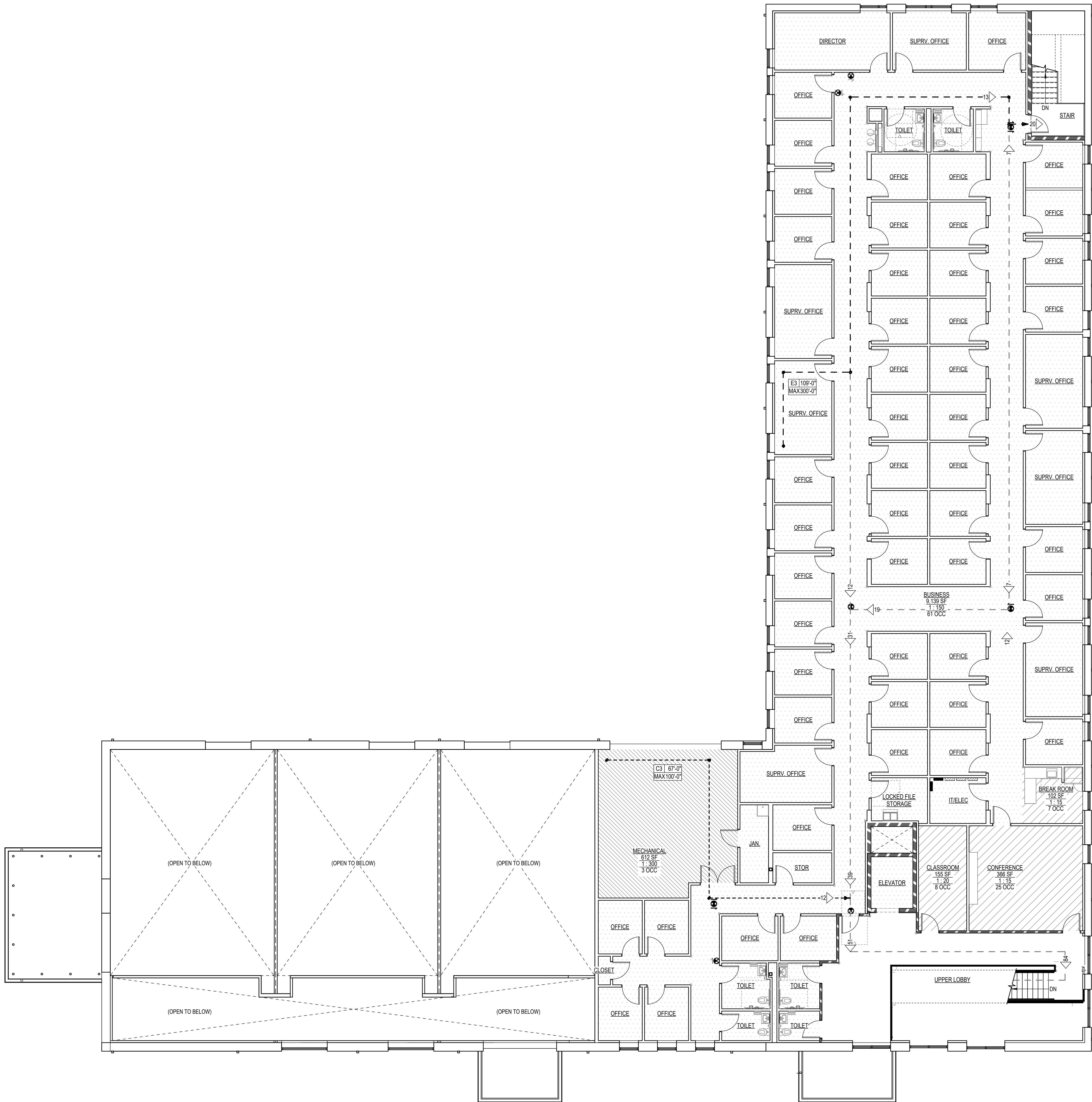
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LS002

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

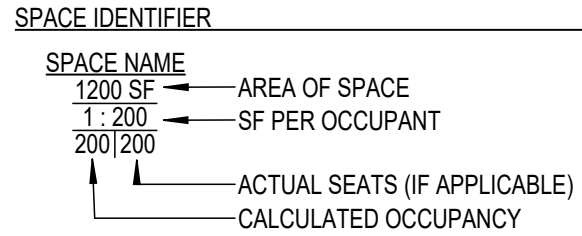
1 LIFE SAFETY PLAN - MAIN FLOOR

LS002 SCALE: 1/8" = 1'-0"

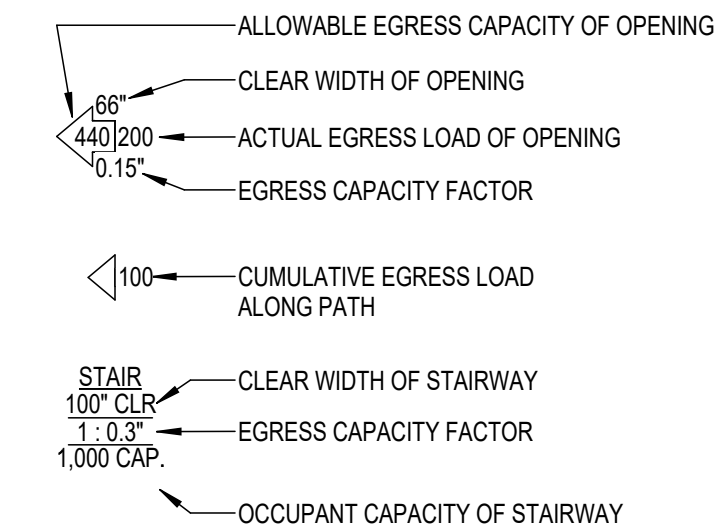


1 LIFE SAFETY PLAN - UPPER FLOOR
LS003 SCALE: 1/8" = 1'-0"

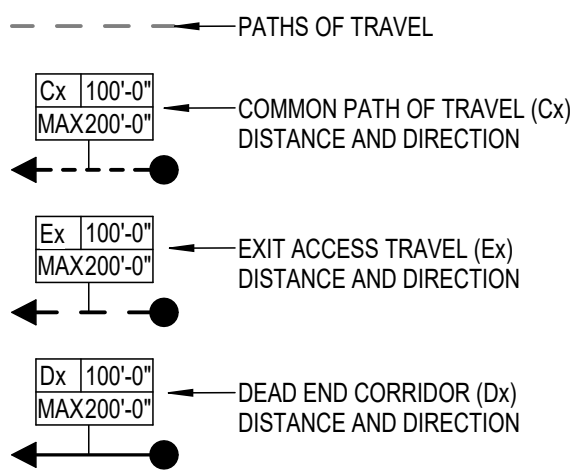
LIFE SAFETY LEGEND



EGRESS ELEMENTS



TRAVEL DISTANCE



RATED ASSEMBLIES



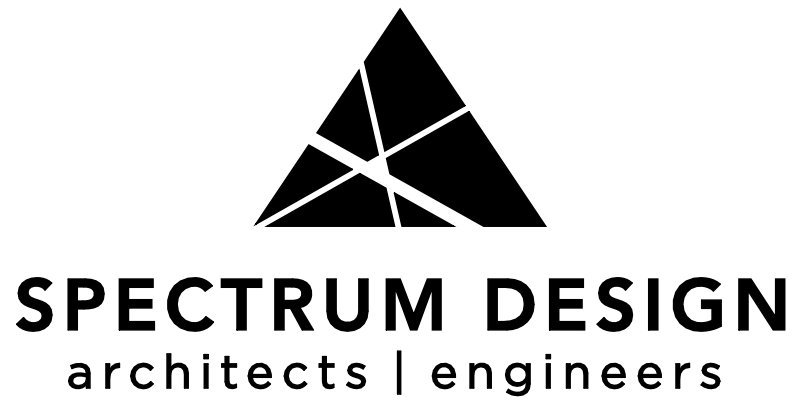
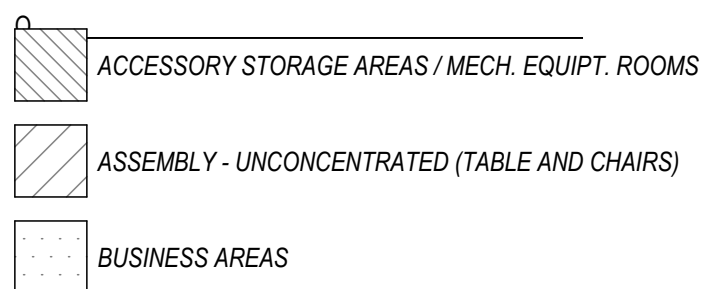
FIRE EXTINGUISHER & MOUNTING TYPE

FEC FIRE EXTINGUISHER & SEMI-RECESSED CABINET

OTHER LIFE SAFETY DEVICES

AED AUTOMATED EXTERNAL DEFIBRILLATOR

OCCUPANCY LEGEND



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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112

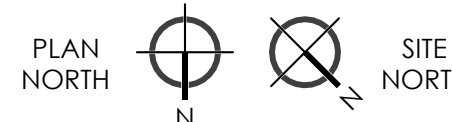


PROJ. MGR.: CHECKED BY: DRAWN BY:
JM NLH MCA, TLR, LAC

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:



SHEET NAME:
CODE SUMMARY,
FIXTURE SCHEDULE, &
LIFE SAFETY PLAN
UPPER FLOOR

SHEET NUMBER:

LS003

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

ENGINEERS' NOTES

SPECTRUM DESIGN, PC ASSUMES NO RESPONSIBILITY FOR INFORMATION ON OR ADEQUACY OF THE PLANS UNTIL THEY HAVE BEEN APPROVED BY REQUIRED PUBLIC AUTHORITIES.

COMMENCEMENT OF ANY WORK ON THE PROJECT IS AT THE SOLE RISK OF THE OWNER/DEVELOPER.

GENERAL NOTES

STANDARDS: ALL MATERIALS AND METHODS SHALL COMPLY WITH THE APPLICABLE STANDARDS OF THE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM), AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT), VIRGINIA STORMWATER MANAGEMENT HANDBOOK (VSMH), COMMONWEALTH OF VIRGINIA DEPARTMENT OF HEALTH (VDH) AND/OR THE COUNTY OF BEDFORD, LATEST EDITIONS. RECOMMENDATIONS OF APPLICABLE MATERIALS MANUFACTURERS SHALL ALSO BE FOLLOWED AS PART OF THIS CONTRACT.

DEBRIS: CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED ON SITE. ALL DAMAGED MATERIAL OR SURPLUS EXCAVATED MATERIAL NOT SUITABLE FOR USE AS FILL, BACKFILL OR TOPSOIL SHALL BECOME THE PROPERTY OF THE CONTRACTOR TO DISPOSE OF OFFSITE AS HE WISHES, WITHOUT INJURY TO THE OWNER OR ANY INDIVIDUAL.

ALL WORK WITHIN PUBLIC R/W SHALL ADHERE TO THE BEDFORD COUNTY EXCAVATION AND RESTORATION STANDARDS.

OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES TO PERFORM WORK WITHIN ALLEY AND PUBLIC RIGHT-OF-WAY.

OBTAIN AND PAY FOR ALL UTILITY AND STREET OPENING PERMITS REQUIRED BY THE COUNTY FOR UTILITY OR RETAINING WALL INSTALLATIONS.

UTILITIES SHOWN WERE OBTAINED FROM BEST AVAILABLE SOURCES. CONTRACTOR SHALL ASSUME MINOR DISCREPANCIES AND ASSUME COSTS ASSOCIATED TO CONNECT OR PROVIDE MINOR ADJUSTMENTS.

ALL NEW AND/OR RELOCATED UTILITIES, INCLUDING UTILITY LATERALS AND SERVICE LINES, AND ELECTRICAL FEEDS SHALL BE UNDERGROUND. CONTRACTOR SHALL PROVIDE 2 WEEKS NOTICE TO COUNTY PROJECT MANAGER PRIOR TO ANY UTILITY DISRUPTION.

CONTRACTOR SHALL UTILIZE A/E CAD BASE DRAWING FOR STAKEOUT BY A VIRGINIA LICENSED SURVEYOR IN THE COMMONWEALTH OF VIRGINIA.

CONTRACTOR SHALL COORDINATE WITH OWNER FOR PROJECT PHASING.

DEMOLITION NOTES

- THE FOLLOWING GENERAL NOTES APPLY FOR DEMOLITION SHEET C101. REFER TO PROPOSED CONDITION SHEETS FOR MORE INFORMATION.
- WHERE INDICATED OR WHERE IN CONFLICT WITH NEW CONSTRUCTION, EXISTING TOPOGRAPHICAL AND PLANIMETRIC FEATURES (BUILDING STRUCTURE AND FOUNDATION, SIGN AND FOUNDATION, ASPHALT PAVEMENT, CURB, UTILITY POLES, OVERHEAD UTILITIES, UNDERGROUND INFRASTRUCTURE, ROCKS, AND LANDSCAPING FEATURES) WITHIN LIMITS OF CLEARING AND GRADING (LIMITS OF DISTURBANCE) ARE TO BE REMOVED.
 - EXCAVATION REQUIREMENTS: EXISTING ASPHALT GRADES ARE INTENDED TO BE USED AS THE TEMPORARY SURFACE INsofar AS OBSTRUCTIONS ARE REMOVED AND PROPOSED GRADES AS SHOWN HAVE BEEN ADJUSTED.
- THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES, IS INDICATED ON THE DRAWINGS INsofar AS THEIR EXISTENCE AND LOCATION WERE KNOWN AT THE TIME OF THE PREPARATION OF THE DRAWINGS. HOWEVER, NOTHING IN THESE CONTRACT DOCUMENTS SHALL BE CONSTRUED AS A GUARANTEE THAT SUCH UTILITIES ARE IN THE LOCATION INDICATED OR THAT THEY ACTUALLY EXIST, OR THAT OTHER UTILITIES ARE NOT WITHIN THE AREA OF OPERATIONS. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO DETERMINE THE EXISTENCE, LOCATIONS, AND DIMENSIONS OF SUCH UTILITIES. THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO AND FOR ANY MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES.
- ALL EXISTING UTILITIES TO REMAIN IN PLACE UNLESS OTHERWISE NOTED. COORDINATE WITH UTILITY SERVICE COMPANY PRIOR TO PERFORMING DEMOLITION WORK.
- ALL DEMOLISHED UTILITIES SHALL BE REMOVED AND TRENCHES BACKFILLED PER SPECIFICATIONS.
- THE CONTRACTOR SHALL CONTACT "VIRGINIA 811" (1-800-552-7001 OR 811) 48 HOURS PRIOR TO WORKING IN THE VICINITY OF THE EXISTING UTILITIES. FLOODNOTE: CAPTION PROPERTY DOES NOT LIE WITHIN THE LIMITS OF A FLOOD BOUNDARY AND IS DESIGNATED BY FEMA BOUNDARY "X" (UNSHADED) AS DETERMINED BY HURT & PROFFITT, INC., SURVEYOR.
- CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL DEMO MATERIALS.
- OWNER TO COORDINATE REMOVAL OF CONTENTS OF ANY STRUCTURE TO BE DEMOLISHED OR RELOCATED PRIOR TO WORK. CONTRACTOR TO PROVIDE MINIMUM 2 WEEKS' NOTICE TO OWNER PRIOR TO DEMOLITION.
- TREE DEMOLITION SHALL INCLUDE COMPLETE STUMP AND ROOT SYSTEM DEMOLITION, AS WELL AS ANY GRADING, BACKFILL, AND SEEDING NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES NECESSARY TO DIRECT VEHICLE AND PEDESTRIAN TRAFFIC SAFELY AND EFFICIENTLY AROUND THE CONSTRUCTION AREA. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY ROAD/LANE CLOSURES OR SAFETY PLANS REQUIRED.

PARKING CALCULATIONS

TOTAL PARKING PROPOSED: 211 SPACES
TOTAL H/C PARKING PROPOSED: 8 SPACES (7 REQUIRED)
TOTAL ON-SITE LOADING SPACES PROPOSED: 0 SPACES

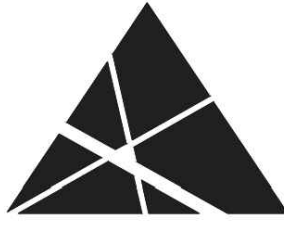
PARKING AREA LANDSCAPING CALCULATIONS

NEW PARKING SPACES: 211
LANDSCAPING REQUIREMENT (18 SF PER SPACE): 3798 SF
LANDSCAPING AREA PROVIDED: 3798 SF

LEGEND

- EXISTING PROPERTY MONUMENT
- BENCHMARK
- DEEDED CORNER
- GUY WIRE
- TREE
- SHRUB
- MAILBOX
- DOWNSPOUT
- SANITARY MANHOLE
- CLEANOUT
- STORM SEWER MANHOLE
- UTILITY POLE
- LIGHT POLE
- BENCHMARK
- ELECTRICAL TRANSFORMER
- XX.XX SPOT ELEVATION
- ELECTRICAL MANHOLE
- ELECTRICAL BOX
- ELECTRICAL HANDHOLE
- ELECTRICAL METER
- ELECTRICAL VAULT
- WATER MANHOLE
- WATER METER
- WATER VAULT
- WELL
- FIRE HYDRANT
- VALVE
- SPIGOT
- TELE/COMM BOX
- TELE/COMM HANDHOLE
- TELE/COMM MANHOLE
- TELE/COMM VAULT
- TELE/COMM PEDESTAL
- GAS METER
- POST/BOLLARD
- SIGN
- FLAGPOLE
- HEAT PUMP

ABBREVIATIONS:
FD = FOUNDATION DRAIN
FF = FINISH FLOOR
CLF = CHAIN LINK FENCE
CONC. = CONCRETE
C&G = CURB & GUTTER
GEN = GENERATOR
SDMH = STORM DRAIN MANHOLE
SSMH = SANITARY SEWER MANHOLE
SSCO = SANITARY SEWER CLEANOUT
INV. = INVERT
RCP = REINFORCED CONCRETE PIPE
CMP = CORRUGATED METAL PIPE
CPP = CORRUGATED PLASTIC PIPE
DIP = DUCTILE IRON PIPE
PVC = POLYVINYL CHLORIDE PIPE
TCP = TERRACOTTA PIPE
D.B. = DEED BOOK
P.B. = PLAT BOOK
PG. = PAGE
INST. = INSTRUMENT
N/F = NOW OR FORMERLY
TRS = TRAVERSE ROD SET
TNS = TRAVERSE NAIL SET
COBED = COUNTY OF BEDFORD ELECTRIC
TPED = TELEPHONE PEDESTAL
FND = FOUND
RTE. = ROUTE
HWY = HIGHWAY
DR = DRIVE
IRF = IRON ROD FOUND
SQ.FT. = SQUARE FEET
R/W = RIGHT OF WAY
EOI = END OF INFORMATION
FDC = FIRE DEPARTMENT CONNECTION
HCR = HANDICAP RAMP
ELEV = ELEVATION
FEES = FLARED END SECTION
TNS = TRAVERSE NAIL SET
TRS = TRAVERSE ROD SET



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**DEPARTMENT OF SOCIAL
SERVICES BUILDING**
BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.:

24112



PROJ. MGR.: **JM** CHECKED BY: **MAR** DRAWN BY: **GAG**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

KEY PLAN:

SHEET NAME:

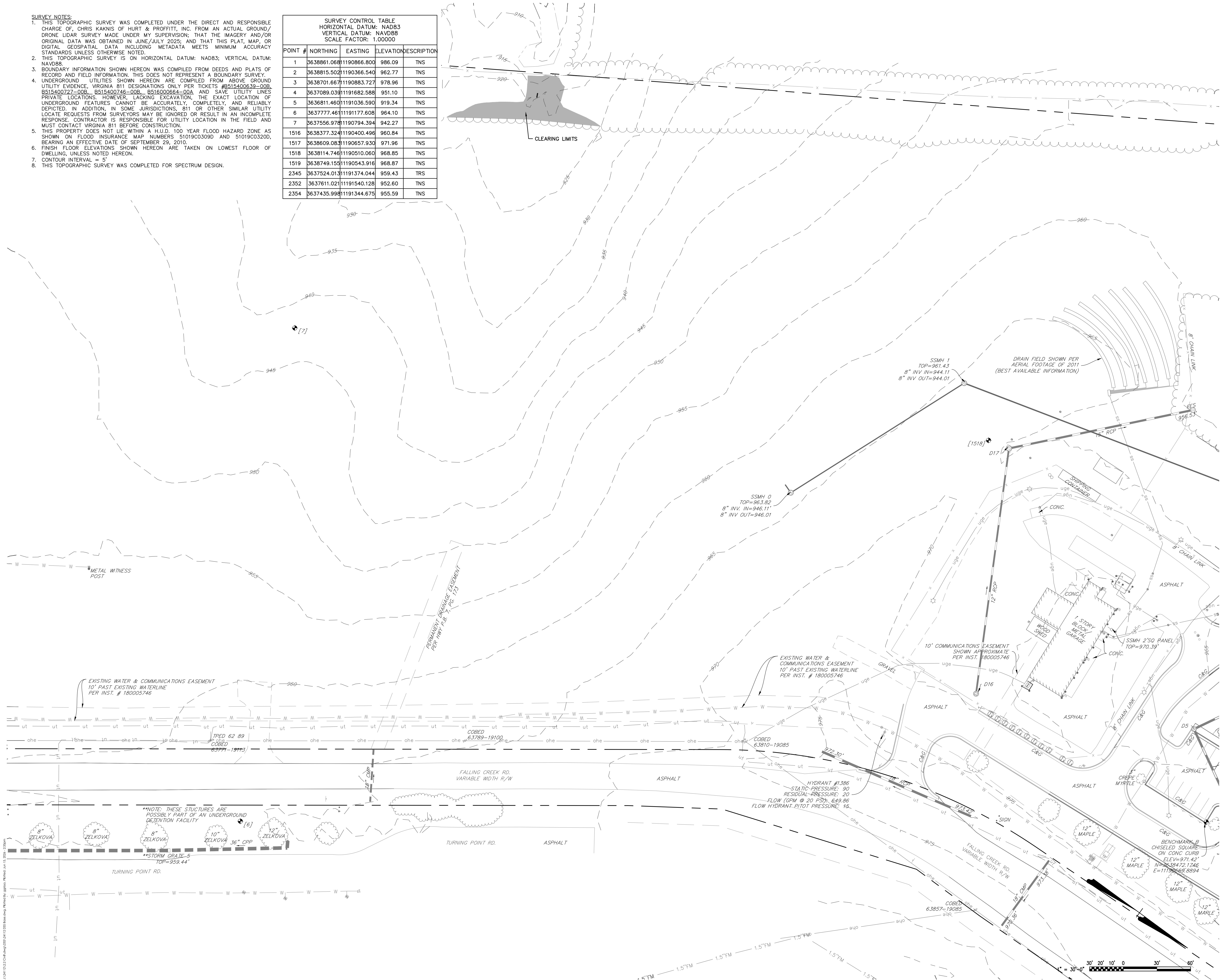
**GENERAL NOTES
& LEGEND**

SHEET NUMBER:

C001

1. THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF, CHRIS KANNIS OF HURT & PROFFITT, INC. FROM AN ACTUAL GROUND/DRUM SURVEY. THE SURVEY WAS COMPLETED ON OR ABOUT 11/11/2024. THE ORIGINAL DATA WAS OBTAINED IN JUNE/JULY 2025; AND THAT THIS PLAT, MAP, OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
2. THIS TOPOGRAPHIC SURVEY IS ON HORIZONTAL DATUM: NAD83; VERTICAL DATUM: NAVD88.
3. BOUNDARY INFORMATION SHOWN HEREON WAS COMPILED FROM DEEDS AND PLATS OF RECORD AND FIELD INFORMATION, THIS DOES NOT REPRESENT A BOUNDARY SURVEY.
4. UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO, WATER, GAS, SEWER, FIBER, ETC., ARE NOT SHOWN. EVIDENCE, HEREON, OF UTILITIES OR DESIGNATIONS ONLY PER TICKETS (B515400654.00B, B515400727.00B, B515400748.00B, B516000664.00A AND SAVE UTILITY LINES PRIVATE LOCATIONS. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND UTILITIES CANNOT BE SURVEYED. THE EXACT LOCATION OF UTILITIES, IF ANY, IN ADDITION TO SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE. CONTRACTOR IS RESPONSIBLE FOR UTILITY LOCATION IN THE FIELD AND DEPENDS ON THE UTILITY NOT BEING IN CONSTRUCTION.
5. THIS PROPERTY DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS SHOWN ON FLOOD INSURANCE MAP NUMBERS 50109C0309D AND 50190C320D, BEARING AN EFFECTIVE DATE OF SEPTEMBER 29, 2010.
6. FINISH FLOOR ELEVATIONS SHOWN HEREON ARE TAKEN ON LOWEST FLOOR OF DWELLING, UNLESS NOTED HEREON.
7. CONTOUR INTERVAL = 5'
8. THIS TOPOGRAPHIC SURVEY WAS COMPLETED FOR SPECTRUM DESIGN.

SURVEY CONTROL TABLE				
HORIZONTAL DATUM: NAD83				
VERTICAL DATUM: NAVD88				
SCALE FACTOR: 1.00000				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	3638861.068	1190866.800	986.09	TNS
2	3638815.502	1190366.540	962.77	TNS
3	3638701.667	1190883.727	978.96	TNS
4	3637089.039	1191682.588	951.10	TNS
5	3636811.460	1191036.590	919.34	TNS
6	3637777.461	1191177.608	964.10	TNS
7	3637556.978	1191074.394	942.27	TNS
1516	3638377.324	1190400.496	960.84	TNS
1517	3638609.083	1190657.930	971.96	TNS
1518	3638114.746	1190510.060	968.85	TNS
1519	3638749.155	1190543.916	968.87	TNS
2345	3637524.011	1191374.044	959.43	TRS
2352	3637611.021	1191540.128	952.60	TNS
2354	3637435.998	1191344.675	955.59	TNS



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BEDFORD COUNTY

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PROJ. MGR.: **IM** CHECKED BY: **MAR** DRAWN BY: **GAG**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE: BID DOCUMENTS

SHEET REVISIONS:

KEY PLAN:

SHEET NAME:

EXISTING CONDITIONS & DEMOLITION PLAN

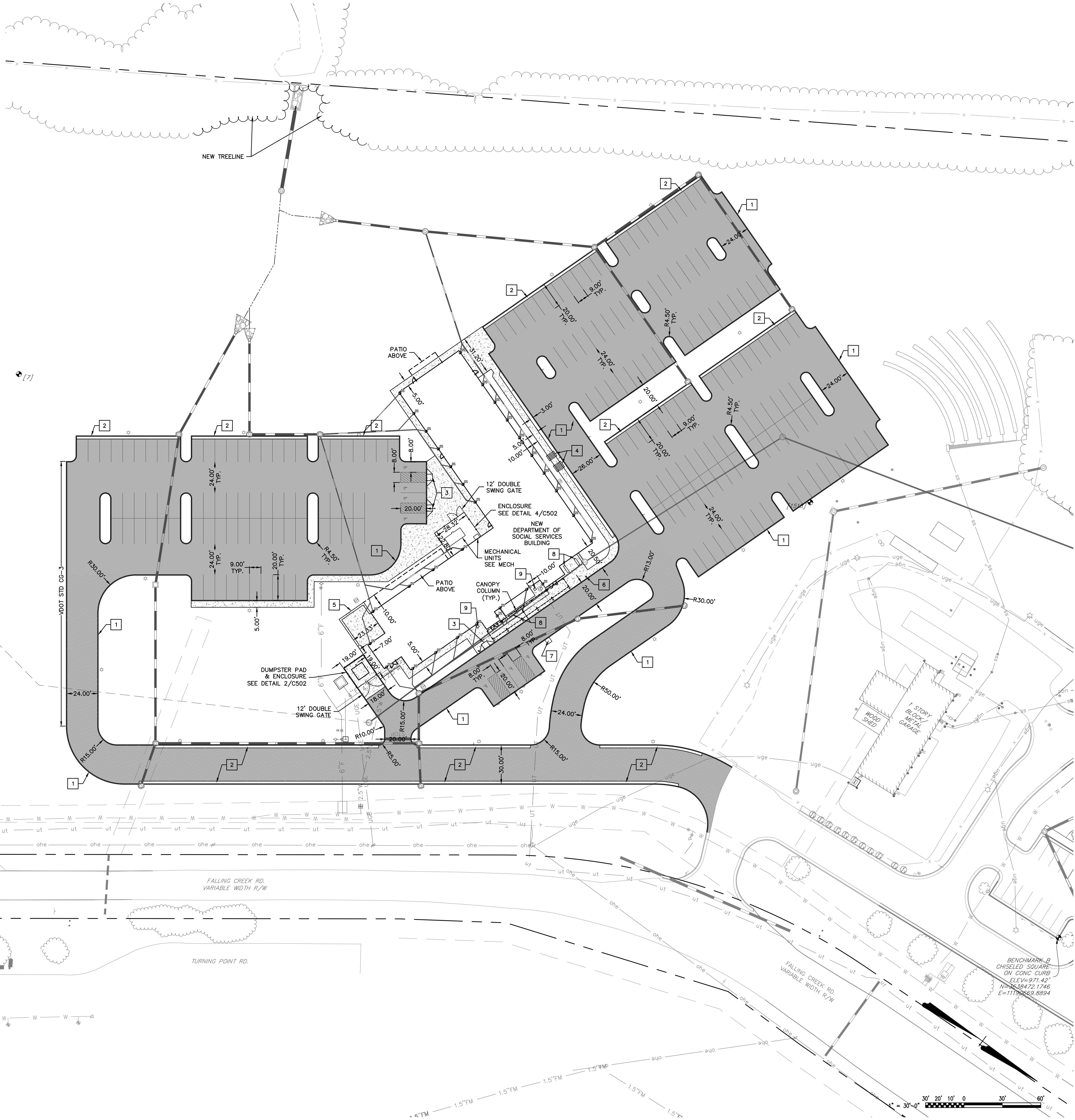
SHEET NUMBER:

C101

PLAN NOTES:
1. LOCATION OF EXISTING UTILITIES SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY DAMAGES TO EXISTING UTILITIES RESULTING FROM CONSTRUCTION.
2. UNLESS OTHERWISE NOTED, ALL LINEAR AND RADIAL DIMENSIONS ARE TO THE FACE OF CURB.
3. SITE POWER SUPPLY/COMMUNICATIONS INFRASTRUCTURE - FOR REFERENCE ONLY. REFER TO ELEC. SHEETS FOR MORE INFORMATION.
4. NO CONSTRUCTION OR FIELD CHANGES ARE TO BE MADE WITHOUT APPROVAL FROM THE A/E, OWNER, AND COUNTY.

- LEGEND
- NEW LIGHT DUTY ASPHALT PAVEMENT
SEE DETAIL 1/C501
 - NEW HEAVY DUTY ASPHALT PAVEMENT
SEE DETAIL 1/C501
 - NEW CONCRETE SIDEWALK
SEE DETAIL 2/C501

- KEY NOTES:
- 1 NEW VDOT STD CG-2
 - 2 NEW VDOT STD CG-6
 - 3 NEW VDOT STD CG-12
 - 4 NEW STAIR
SEE DETAIL 1/C502
 - 5 NEW RETAINING WALL
SEE DETAIL 6/S501
 - 6 NEW BOLLARD
SEE ARCH
TYP. OF 8
 - 7 NEW 4'X4' CONC. PAD
FOR DROP BOX
SEE ARCH
 - 8 NEW CONCRETE BENCH
SEE ARCH
 - 9 NEW TRASH RECEPTACLE
SEE ARCH



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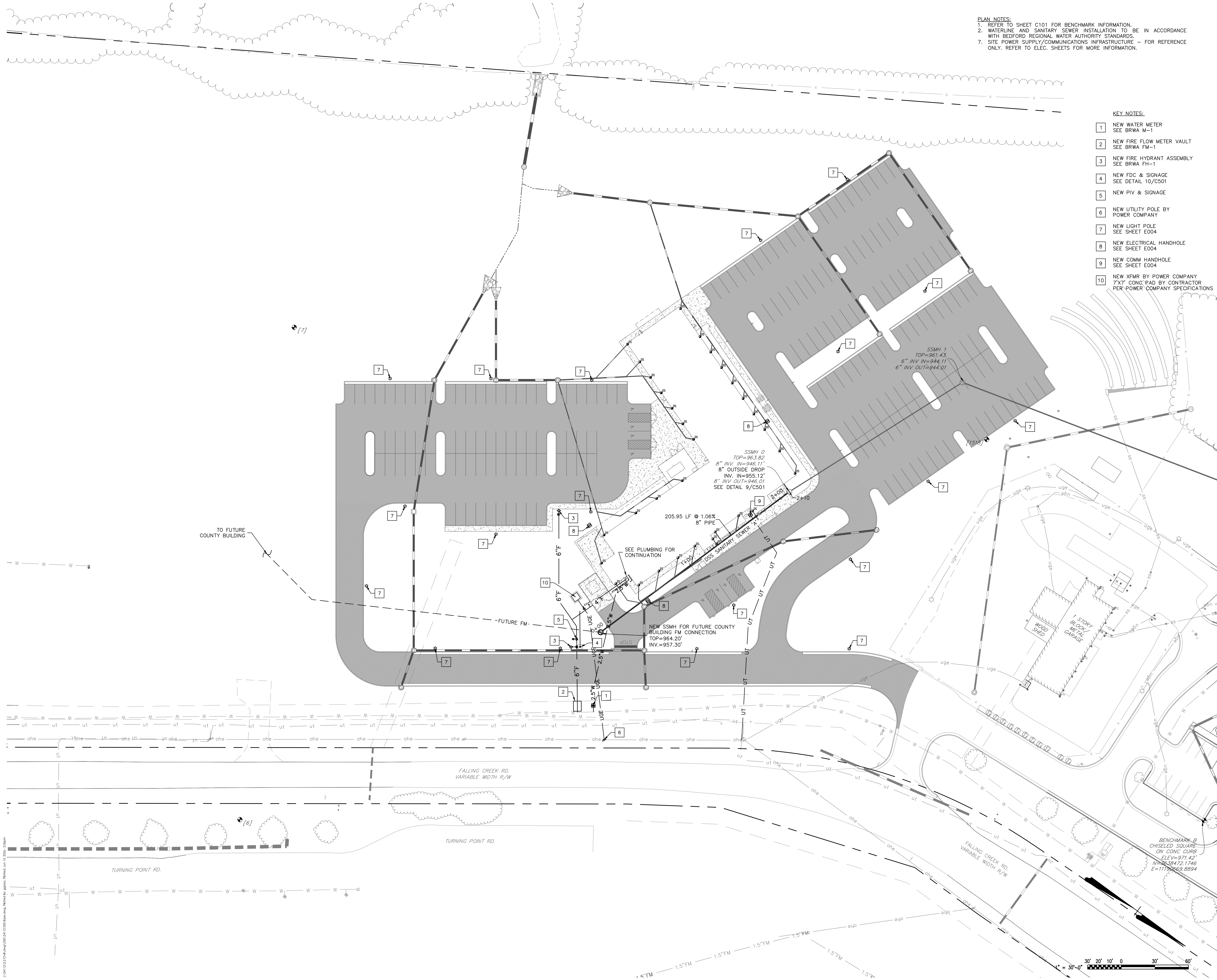
KEY PLAN:

SHEET NAME:

DIMENSIONAL PLAN

SHEET NUMBER:

C102



PLAN NOTES:
1. REFER TO SHEET C101 FOR BENCHMARK INFORMATION.
2. WATERLINE AND SANITARY SEWER INSTALLATION TO BE IN ACCORDANCE WITH BEDFORD REGIONAL WATER AUTHORITY STANDARDS.
7. SITE POWER SUPPLY/COMMUNICATIONS INFRASTRUCTURE - FOR REFERENCE ONLY. REFER TO ELEC. SHEETS FOR MORE INFORMATION.

KEY NOTES:

- 1 NEW WATER METER
SEE BRWA M-1
- 2 NEW FIRE FLOW METER VAULT
SEE BRWA FM-1
- 3 NEW FIRE HYDRANT ASSEMBLY
SEE BRWA FH-1
- 4 NEW FDC & SIGNAGE
SEE DETAIL 10/C501
- 5 NEW PIV & SIGNAGE
- 6 NEW UTILITY POLE BY
POWER COMPANY
- 7 NEW LIGHT POLE
SEE SHEET E004
- 8 NEW ELECTRICAL HANDHOLE
SEE SHEET E004
- 9 NEW COMM HANDHOLE
SEE SHEET E004
- 10 NEW XFMR BY POWER COMPANY
7'X7' CONC PAD BY CONTRACTOR
PER POWER COMPANY SPECIFICATIONS



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SHEET REVISIONS:

KEY PLAN:

SHEET NAME:

UTILITY PLAN

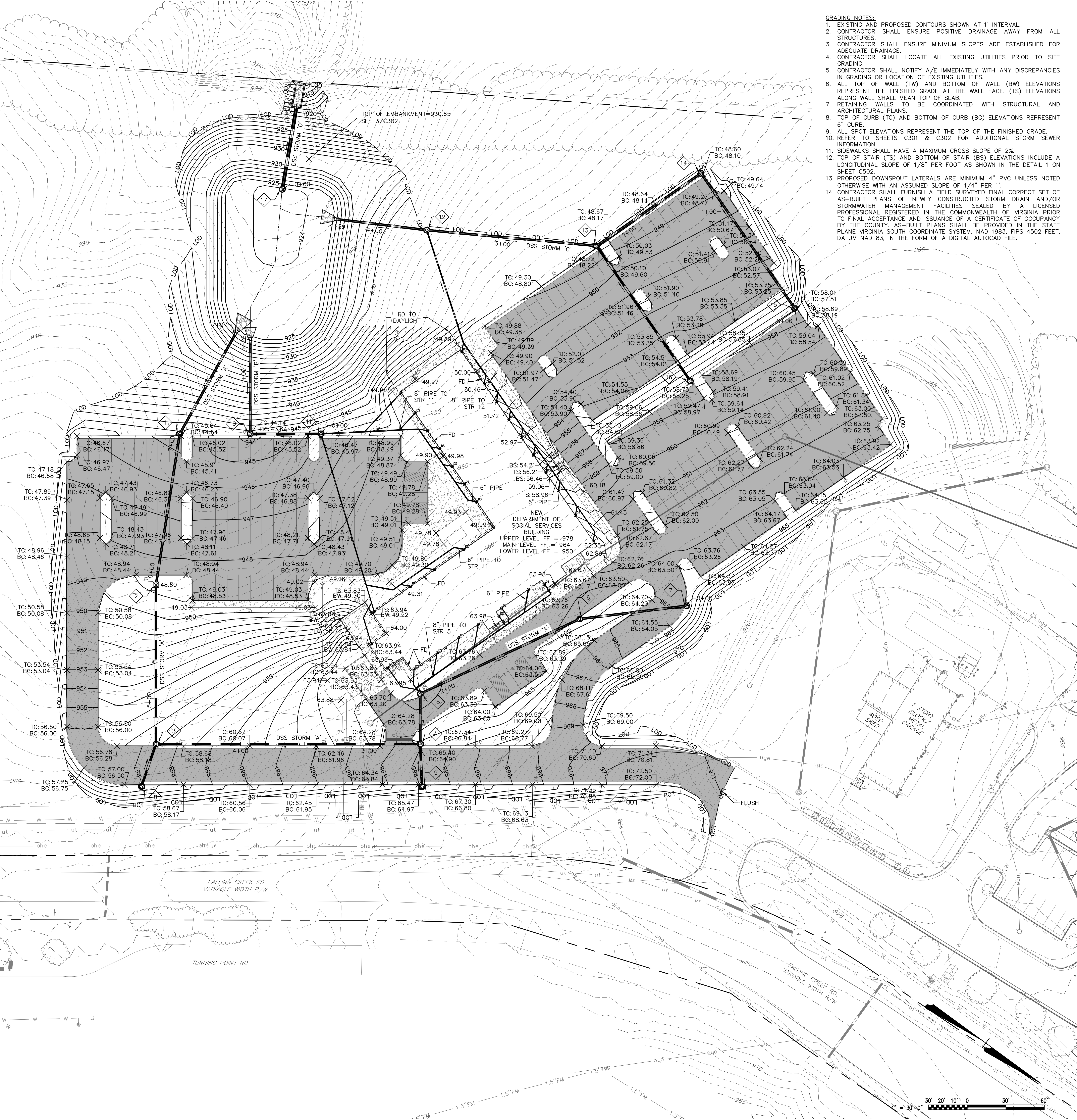
SHEET NUMBER:

C103

STORM SEWER STRUCTURE TABLE			
STRUCTURE ID	DESCRIPTION	INVERT IN	INVERT OUT
1	DI-3B, L = 4' TOP=945.04 H=5.09	15" INV. IN=940.05	15" INV. OUT=939.95
2	DI-7 TOP=948.60 H=6.43	15" INV. IN=942.27	15" INV. OUT=942.17
3	DI-3B, L = 4' TOP=957.83 H=4.43	15" INV. IN=953.50 15" INV. IN=953.50	15" INV. OUT=953.40
4	DI-3B, L = 4' TOP=965.32 H=8.94	15" INV. IN=956.48 15" INV. IN=956.48	15" INV. OUT=956.38
5	DI-3C, L = 4' TOP=963.30 H=6.39	8" INV. IN=959.16 15" INV. IN=957.01 4" INV. IN=960.33	15" INV. OUT=956.91
6	DI-3C, L = 4' TOP=963.15 H=4.71	15" INV. IN=958.54	15" INV. OUT=958.44
7	DI-3B, L = 4' TOP=964.32 H=4.91		15" INV. OUT=959.41
8	DI-3B, L = 4' TOP=957.52 H=3.57		15" INV. OUT=953.95
9	DI-3B, L = 4' TOP=965.89 H=9.07		15" INV. OUT=956.83
10	DI-3C, L = 4' TOP=944.13 H=4.13	15" INV. IN=940.10	15" INV. OUT=940.00
11	DI-3B, L = 4' TOP=946.49 H=5.49	6" INV. IN=941.00 8" INV. IN=941.00	15" INV. OUT=941.00
12	48" STANDARD MANHOLE TOP=938.22 H=6.35	15" INV. IN=931.97 8" INV. IN=931.97	15" INV. OUT=931.87
13	DI-3B, L = 4' TOP=948.79 H=6.01	15" INV. IN=942.88 15" INV. IN=942.88	15" INV. OUT=942.78
14	DI-3B, L = 4' TOP=948.62 H=4.72	15" INV. IN=944.00	15" INV. OUT=943.90
15	DI-3B, L = 4' TOP=957.81 H=9.97		15" INV. OUT=947.84
16	DI-3B, L = 4' TOP=958.52 H=11.14		15" INV. OUT=947.38
17	SWM CONTROL STR SEE DETAIL ON SHEET C302 TOP=927.07 H=12.70		24" INV. OUT=914.37

*PROVIDE INLET SHAPING FOR ALL STRUCTURES.

STORM SEWER PIPE TABLE				
START TO END	SIZE	LENGTH	SLOPE	
SWM TO OUT	24" RCP WITH CRADLE	64.94'	2.11%	
16 TO 13	15" TYPE 'S' HDPE	128.00'	3.52%	
15 TO 14	15" TYPE 'S' HDPE	128.00'	3.00%	
14 TO 13	15" TYPE 'S' HDPE	99.00'	1.03%	
13 TO 12	15" TYPE 'S' HDPE	132.72'	8.14%	
12 TO SWM	15" TYPE 'S' HDPE	68.44'	10.04%	
11 TO 10	15" TYPE 'S' HDPE	54.92'	1.65%	
10 TO SWM	15" TYPE 'S' HDPE	70.83'	21.18%	
9 TO 4	15" TYPE 'S' HDPE	33.20'	1.04%	
8 TO 3	15" TYPE 'S' HDPE	35.06'	1.28%	
7 TO 6	15" TYPE 'S' HDPE	83.85'	1.04%	
6 TO 5	15" TYPE 'S' HDPE	137.10'	1.04%	
5 TO 4	15" TYPE 'S' HDPE	39.10'	1.10%	
4 TO 3	15" TYPE 'S' HDPE	205.70'	1.40%	
3 TO 2	15" TYPE 'S' HDPE	123.88'	8.99%	
2 TO 1	15" TYPE 'S' HDPE	118.88'	1.78%	
1 TO SWM	15" TYPE 'S' HDPE	88.11'	16.97%	



- GRADING NOTES:
1. EXISTING AND PROPOSED CONTOURS SHOWN AT 1' INTERVAL.
 2. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
 3. CONTRACTOR SHALL ENSURE MINIMUM SLOPES ARE ESTABLISHED FOR ADEQUATE DRAINAGE.
 4. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO SITE GRADING.
 5. CONTRACTOR SHALL NOTIFY A/E IMMEDIATELY WITH ANY DISCREPANCIES IN GRADING OR LOCATION OF EXISTING UTILITIES.
 6. ALL TOP OF WALL (TW) AND BOTTOM OF WALL (BW) ELEVATIONS REPRESENT THE FINISHED GRADE AT THE WALL FACE. (TS) ELEVATIONS ALONG WALL SHALL MEAN TOP OF SLAB.
 7. RETAINING WALLS TO BE COORDINATED WITH STRUCTURAL AND ARCHITECTURAL PLANS.
 8. TOP OF CURB (TC) AND BOTTOM OF CURB (BC) ELEVATIONS REPRESENT 6" CURB.
 9. ALL SPOT ELEVATIONS REPRESENT THE TOP OF THE FINISHED GRADE.
 10. REFER TO SHEETS C301 & C302 FOR ADDITIONAL STORM SEWER INFORMATION.
 11. SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2%.
 12. TOP OF STAIR (TS) AND BOTTOM OF STAIR (BS) ELEVATIONS INCLUDE A LONGITUDINAL SLOPE OF 1/8" PER FOOT AS SHOWN IN THE DETAIL 1 ON SHEET C502.
 13. PROPOSED DOWNSPOUT LATERALS ARE MINIMUM 4" PVC UNLESS NOTED OTHERWISE WITH AN ASSUMED SLOPE OF 1/4" PER 1'.
 14. CONTRACTOR SHALL FURNISH A FIELD SURVEYED FINAL CORRECT SET OF AS-BUILT PLANS OF NEWLY CONSTRUCTED STORM DRAIN AND/OR STORMWATER MANAGEMENT FACILITIES SEALED BY A LICENSED PROFESSIONAL REGISTERED IN THE COMMONWEALTH OF VIRGINIA PRIOR TO FINAL ACCEPTANCE AND ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE COUNTY. AS-BUILT PLANS SHALL BE PROVIDED IN THE STATE PLANE VIRGINIA SOUTH COORDINATE SYSTEM, NAD 1983, FIPS 4502 FEET, DATUM NAD 83, IN THE FORM OF A DIGITAL AUTOCAD FILE.



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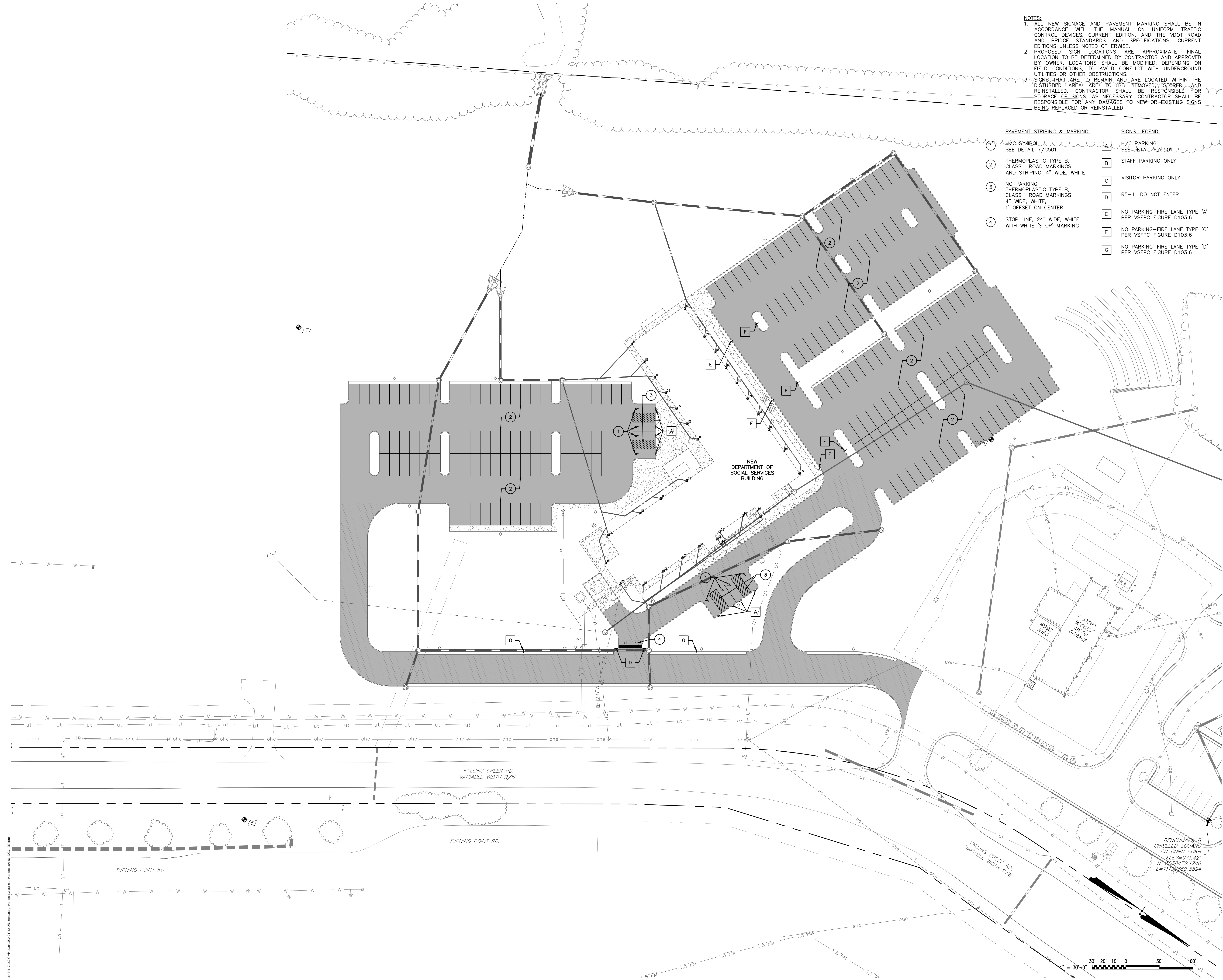
KEY PLAN:

SHEET NAME:

GRADING PLAN

SHEET NUMBER:

C104



NOTES:
1. ALL NEW SIGNAGE AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE VDOT ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS, CURRENT EDITIONS UNLESS NOTED OTHERWISE.
2. PROPOSED SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY OWNER. LOCATIONS SHALL BE MODIFIED, DEPENDING ON FIELD CONDITIONS, TO AVOID CONFLICT WITH UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS.
3. SIGNS THAT ARE TO REMAIN AND ARE LOCATED WITHIN THE DISTURBED AREA ARE TO BE REMOVED, STORED, AND REINSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE OF SIGNS, AS NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO NEW OR EXISTING SIGNS BEING REPLACED OR REINSTALLED.

- PAVEMENT STRIPING & MARKING:

 - 1 H/C SYMBOL SEE DETAIL 7/C501
 - 2 THERMOPLASTIC TYPE B, CLASS 1 ROAD MARKINGS AND STRIPING, 4" WIDE, WHITE
 - 3 NO PARKING THERMOPLASTIC TYPE B, CLASS 1 ROAD MARKINGS 4" WIDE, WHITE, 1' OFFSET ON CENTER
 - 4 STOP LINE, 24" WIDE, WHITE WITH WHITE 'STOP' MARKING
- SIGNS LEGEND:

 - A H/C PARKING SEE DETAIL 6/C501
 - B STAFF PARKING ONLY
 - C VISITOR PARKING ONLY
 - D R5-1: DO NOT ENTER
 - E NO PARKING-FIRE LANE TYPE 'A' PER VSFPC FIGURE D103.6
 - F NO PARKING-FIRE LANE TYPE 'C' PER VSFPC FIGURE D103.6
 - G NO PARKING-FIRE LANE TYPE 'D' PER VSFPC FIGURE D103.6



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DEPARTMENT OF SOCIAL SERVICES BUILDING
BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **MAR** DRAWN BY: **GAG**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

KEY PLAN:

SHEET NAME:

SIGNAGE & PAVEMENT MARKING PLAN

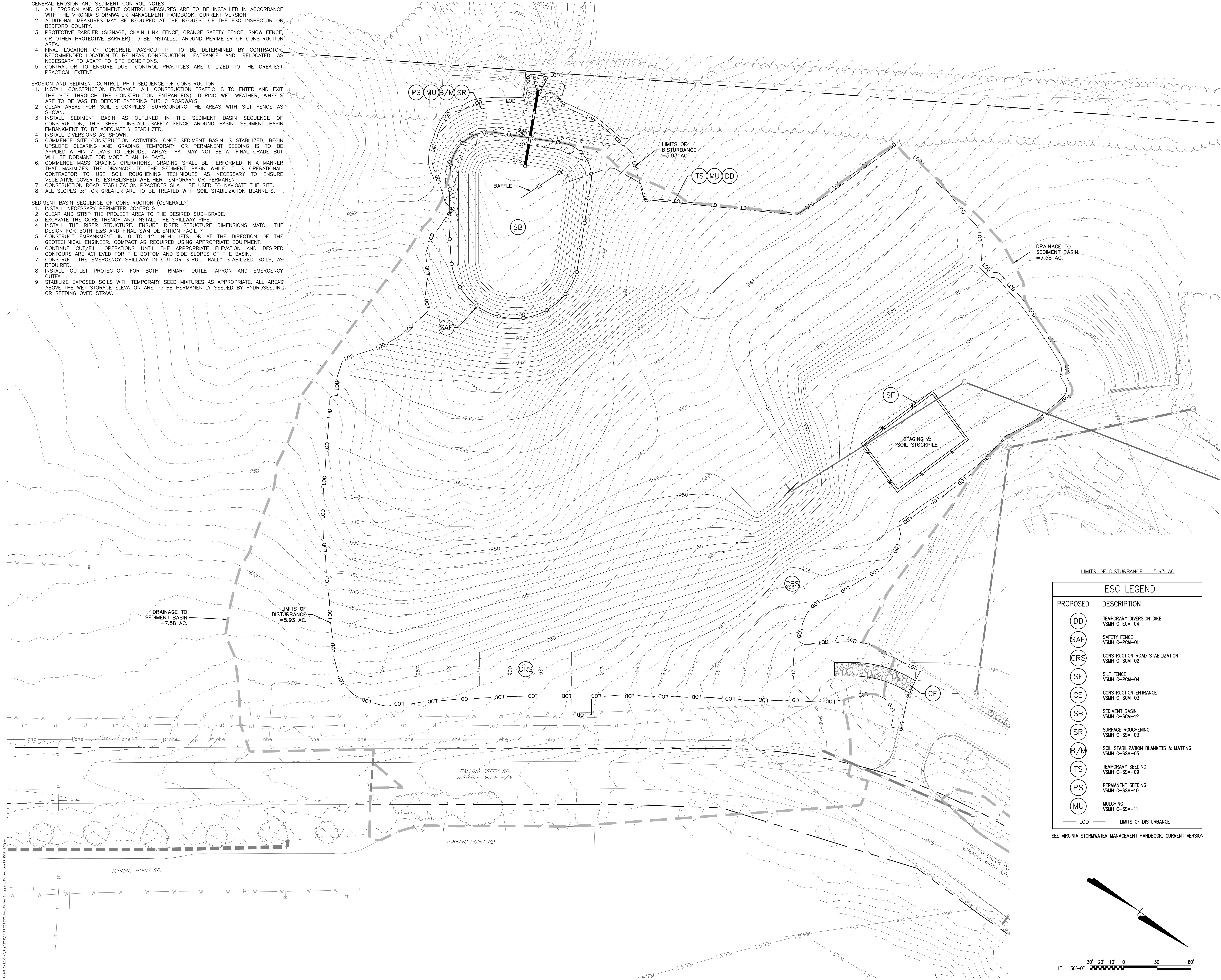
SHEET NUMBER:

C105

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- GENERAL EROSION AND SEDIMENT CONTROL NOTES
1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK, CURRENT VERSION
 2. ADDITIONAL MEASURES MAY BE REQUIRED AT THE REQUEST OF THE ESC INSPECTOR OR BEDFORD COUNTY.
 3. PROTECTIVE BARRIER (SIGNAGE, CHAIN LINK FENCE, ORANGE SAFETY FENCE, SNOW FENCE, OR OTHER PROTECTIVE BARRIER) TO BE INSTALLED AROUND PERIMETER OF CONSTRUCTION AREA.
 4. FINAL LOCATION OF CONCRETE WASHOUT PIT TO BE DETERMINED BY CONTRACTOR. RECOMMENDED LOCATION TO BE NEAR CONSTRUCTION ENTRANCE AND RELOCATED AS NECESSARY TO ADAPT TO SITE CONDITIONS.
 5. CONTRACTOR TO ENSURE DUST CONTROL PRACTICES ARE UTILIZED TO THE GREATEST PRACTICAL EXTENT.
- EROSION AND SEDIMENT CONTROL PH I SEQUENCE OF CONSTRUCTION
1. INSTALL CONSTRUCTION ENTRANCE. ALL CONSTRUCTION TRAFFIC IS TO ENTER AND EXIT THE SITE THROUGH THE CONSTRUCTION ENTRANCE(S). DURING WET WEATHER, WHEELS ARE TO BE WASHED BEFORE ENTERING PUBLIC ROADWAYS.
 2. CLEAR AREAS FOR SOIL STOCKPILES, SURROUNDING THE AREAS WITH SILT FENCE AS SHOWN.
 3. INSTALL SEDIMENT BASIN AS OUTLINED IN THE SEDIMENT BASIN SEQUENCE OF CONSTRUCTION. THIS SHEET. INSTALL SAFETY FENCE AROUND BASIN. SEDIMENT BASIN EMBANKMENT TO BE ADEQUATELY STABILIZED.
 4. INSTALL DIVERSIONS AS SHOWN.
 5. COMMENCE SITE CONSTRUCTION ACTIVITIES. ONCE SEDIMENT BASIN IS STABILIZED, BEGIN UPSLOPE CLEARING AND GRADING. TEMPORARY OR PERMANENT SEEDING IS TO BE APPLIED WITHIN 7 DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL BE DORMANT FOR MORE THAN 14 DAYS.
 6. COMMENCE MASS GRADING OPERATIONS. GRADING SHALL BE PERFORMED IN A MANNER THAT MAXIMIZES THE DRAINAGE TO THE SEDIMENT BASIN WHILE IT IS OPERATIONAL. CONTRACTOR TO USE SOIL ROUGHENING TECHNIQUES AS NECESSARY TO ENSURE VEGETATIVE COVER IS ESTABLISHED WHETHER TEMPORARY OR PERMANENT.
 7. CONSTRUCTION ROAD STABILIZATION PRACTICES SHALL BE USED TO NAVIGATE THE SITE.
 8. ALL SLOPES 3:1 OR GREATER ARE TO BE TREATED WITH SOIL STABILIZATION BLANKETS.

- SEDIMENT BASIN SEQUENCE OF CONSTRUCTION (GENERALLY)
1. INSTALL NECESSARY PERIMETER CONTROLS.
 2. CLEAR AND STRIP THE PROJECT AREA TO THE DESIRED SUB-GRADE.
 3. EXCAVATE THE CORE TRENCH AND INSTALL THE SPILLWAY PIPE.
 4. INSTALL THE RISER STRUCTURE. ENSURE RISER STRUCTURE DIMENSIONS MATCH THE DESIGN FOR BOTH E&S AND FINAL SWM DETENTION FACILITY.
 5. CONSTRUCT EMBANKMENT IN 8 TO 12 INCH LIFTS OR AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. COMPACT AS REQUIRED USING APPROPRIATE EQUIPMENT.
 6. CONTINUE CUT/FILL OPERATIONS UNTIL THE APPROPRIATE ELEVATION AND DESIRED CONTOURS ARE ACHIEVED FOR THE BOTTOM AND SIDE SLOPES OF THE BASIN.
 7. CONSTRUCT THE EMERGENCY SPILLWAY IN CUT OR STRUCTURALLY STABILIZED SOILS, AS REQUIRED.
 8. INSTALL OUTLET PROTECTION FOR BOTH PRIMARY OUTLET APRON AND EMERGENCY OUTFALL.
 9. STABILIZE EXPOSED SOILS WITH TEMPORARY SEED MIXTURES AS APPROPRIATE. ALL AREAS ABOVE THE WET STORAGE ELEVATION ARE TO BE PERMANENTLY SEEDED BY HYDROSEEDING OR SEEDING OVER STRAW.



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**DEPARTMENT OF SOCIAL
SERVICES BUILDING**
BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: CHECKED BY: DRAWN BY:
JM MAR GAG

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

KEY PLAN:

LIMITS OF DISTURBANCE = 5.93 AC	
ESC LEGEND	
PROPOSED	DESCRIPTION
(DD)	TEMPORARY DIVERSION DIKE VSMH C-ECM-04
(SAF)	SAFETY FENCE VSMH C-PCM-01
(CRS)	CONSTRUCTION ROAD STABILIZATION VSMH C-SOM-02
(SF)	SILT FENCE VSMH C-PCM-04
(CE)	CONSTRUCTION ENTRANCE VSMH C-SOM-03
(SB)	SEDIMENT BASIN VSMH C-SOM-12
(SR)	SURFACE ROUGHENING VSMH C-SSM-03
(B/M)	SOIL STABILIZATION BLANKETS & MATTING VSMH C-SSM-05
(TS)	TEMPORARY SEEDING VSMH C-SSM-09
(PS)	PERMANENT SEEDING VSMH C-SSM-10
(MU)	MULCHING VSMH C-SSM-11
LOD	LIMITS OF DISTURBANCE

SEE VIRGINIA STORMWATER MANAGEMENT HANDBOOK, CURRENT VERSION

1" = 30'-0"

SHEET NAME:

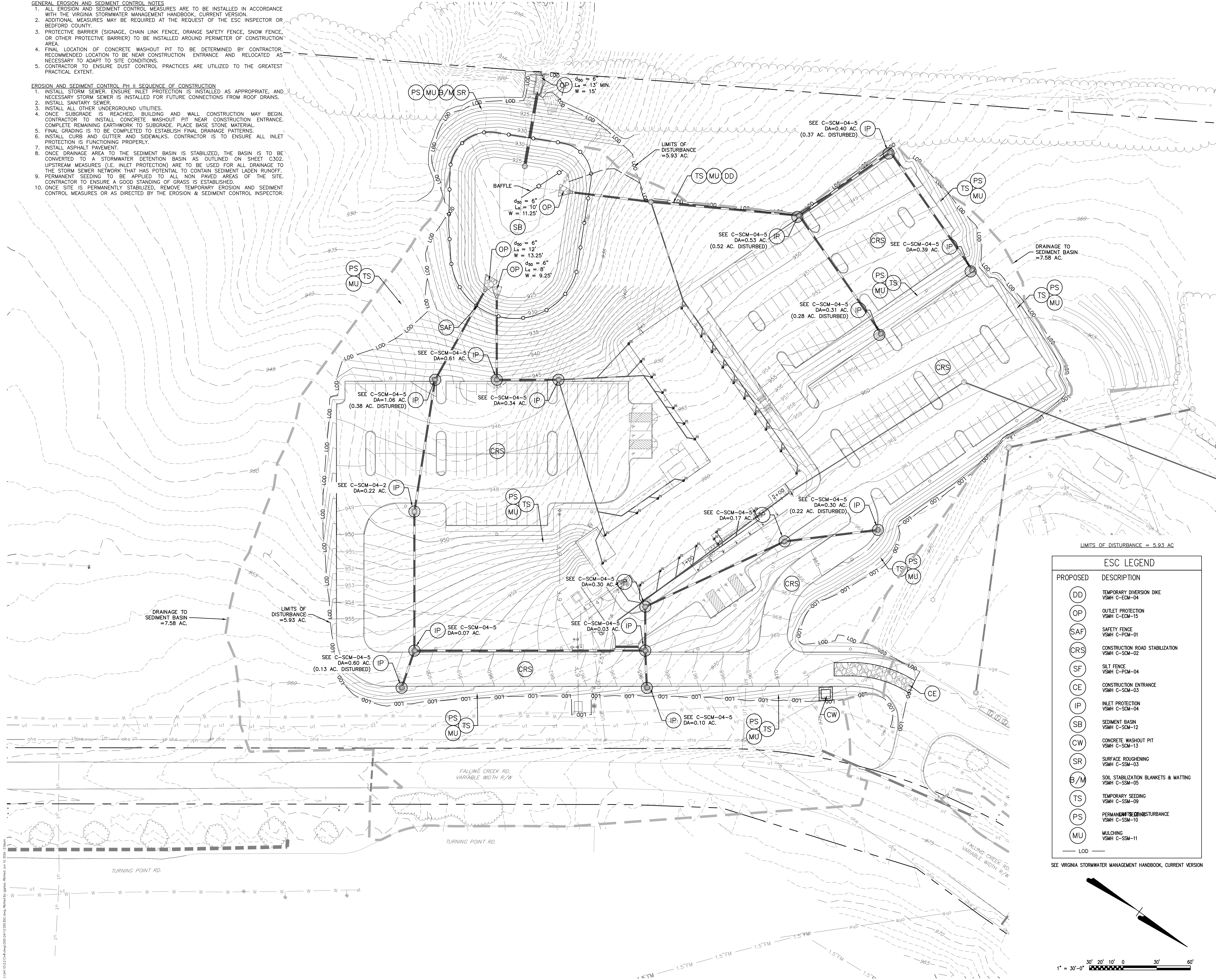
**EROSION & SEDIMENT
CONTROL PLAN PH I**

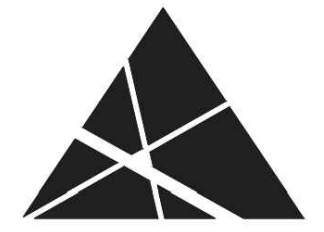
SHEET NUMBER:

C201

- GENERAL EROSION AND SEDIMENT CONTROL NOTES
1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE VIRGINIA STORMWATER MANAGEMENT HANDBOOK, CURRENT VERSION.
 2. ADDITIONAL MEASURES MAY BE REQUIRED AT THE REQUEST OF THE ESC INSPECTOR OR BEDFORD COUNTY.
 3. PROTECTIVE BARRIER (SIGNAGE, CHAIN LINK FENCE, ORANGE SAFETY FENCE, SNOW FENCE, OR OTHER PROTECTIVE BARRIER) TO BE INSTALLED AROUND PERIMETER OF CONSTRUCTION AREA.
 4. FINAL LOCATION OF CONCRETE WASHOUT PIT TO BE DETERMINED BY CONTRACTOR. RECOMMENDED LOCATION TO BE NEAR CONSTRUCTION ENTRANCE AND RELOCATED AS NECESSARY TO ADAPT TO SITE CONDITIONS.
 5. CONTRACTOR TO ENSURE DUST CONTROL PRACTICES ARE UTILIZED TO THE GREATEST PRACTICAL EXTENT.

- EROSION AND SEDIMENT CONTROL PH II SEQUENCE OF CONSTRUCTION
1. INSTALL STORM SEWER. ENSURE INLET PROTECTION IS INSTALLED AS APPROPRIATE, AND NECESSARY STORM SEWER IS INSTALLED FOR FUTURE CONNECTIONS FROM ROOF DRAINS.
 2. INSTALL SANITARY SEWER.
 3. INSTALL ALL OTHER UNDERGROUND UTILITIES.
 4. ONCE SUBGRADE IS REACHED, BUILDING AND WALL CONSTRUCTION MAY BEGIN. CONTRACTOR TO INSTALL CONCRETE WASHOUT PIT NEAR CONSTRUCTION ENTRANCE. COMPLETE REMAINING EARTHWORK TO SUBGRADE. PLACE BASE STONE MATERIAL.
 5. FINAL GRADING IS TO BE COMPLETED TO ESTABLISH FINAL DRAINAGE PATTERNS.
 6. INSTALL CURB AND GUTTER AND SIDEWALKS. CONTRACTOR IS TO ENSURE ALL INLET PROTECTION IS FUNCTIONING PROPERLY.
 7. INSTALL ASPHALT PAVEMENT.
 8. ONCE DRAINAGE AREA TO THE SEDIMENT BASIN IS STABILIZED, THE BASIN IS TO BE CONVERTED TO A STORMWATER DETENTION BASIN AS OUTLINED ON SHEET C302. UPSTREAM MEASURES (I.E. INLET PROTECTION) ARE TO BE USED FOR ALL DRAINAGE TO THE STORM SEWER NETWORK THAT HAS POTENTIAL TO CONTAIN SEDIMENT LADEN RUNOFF. PERMANENT SEEDING TO BE APPLIED TO ALL NON PAVED AREAS OF THE SITE.
 9. CONTRACTOR TO ENSURE A GOOD STANDING OF GRASS IS ESTABLISHED.
 10. ONCE SITE IS PERMANENTLY STABILIZED, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES OR AS DIRECTED BY THE EROSION & SEDIMENT CONTROL INSPECTOR.





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SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **MAR** DRAWN BY: **GAG**

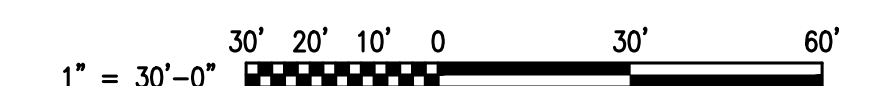
SHEET ISSUE DATE: **06.12.2026**

PROJECT PHASE: **BID DOCUMENTS**

SHEET REVISIONS:

ESC LEGEND	
PROPOSED	DESCRIPTION
(DD)	TEMPORARY DIVERSION DIKE VSMH C-ECM-04
(OP)	OUTLET PROTECTION VSMH C-ECM-15
(SAF)	SAFETY FENCE VSMH C-PCM-01
(CRS)	CONSTRUCTION ROAD STABILIZATION VSMH C-SCM-02
(SF)	SILT FENCE VSMH C-PCM-04
(CE)	CONSTRUCTION ENTRANCE VSMH C-SCM-03
(IP)	INLET PROTECTION VSMH C-SCM-04
(SB)	SEDIMENT BASIN VSMH C-SCM-12
(CW)	CONCRETE WASHOUT PIT VSMH C-SCM-13
(SR)	SURFACE ROUGHENING VSMH C-SSM-03
(B/M)	SOIL STABILIZATION BLANKETS & MATTING VSMH C-SSM-05
(TS)	TEMPORARY SEEDING VSMH C-SSM-09
(PS)	PERMANENT SEEDING VSMH C-SSM-10
(MU)	MULCHING VSMH C-SSM-11
---	LOD

SEE VIRGINIA STORMWATER MANAGEMENT HANDBOOK, CURRENT VERSION



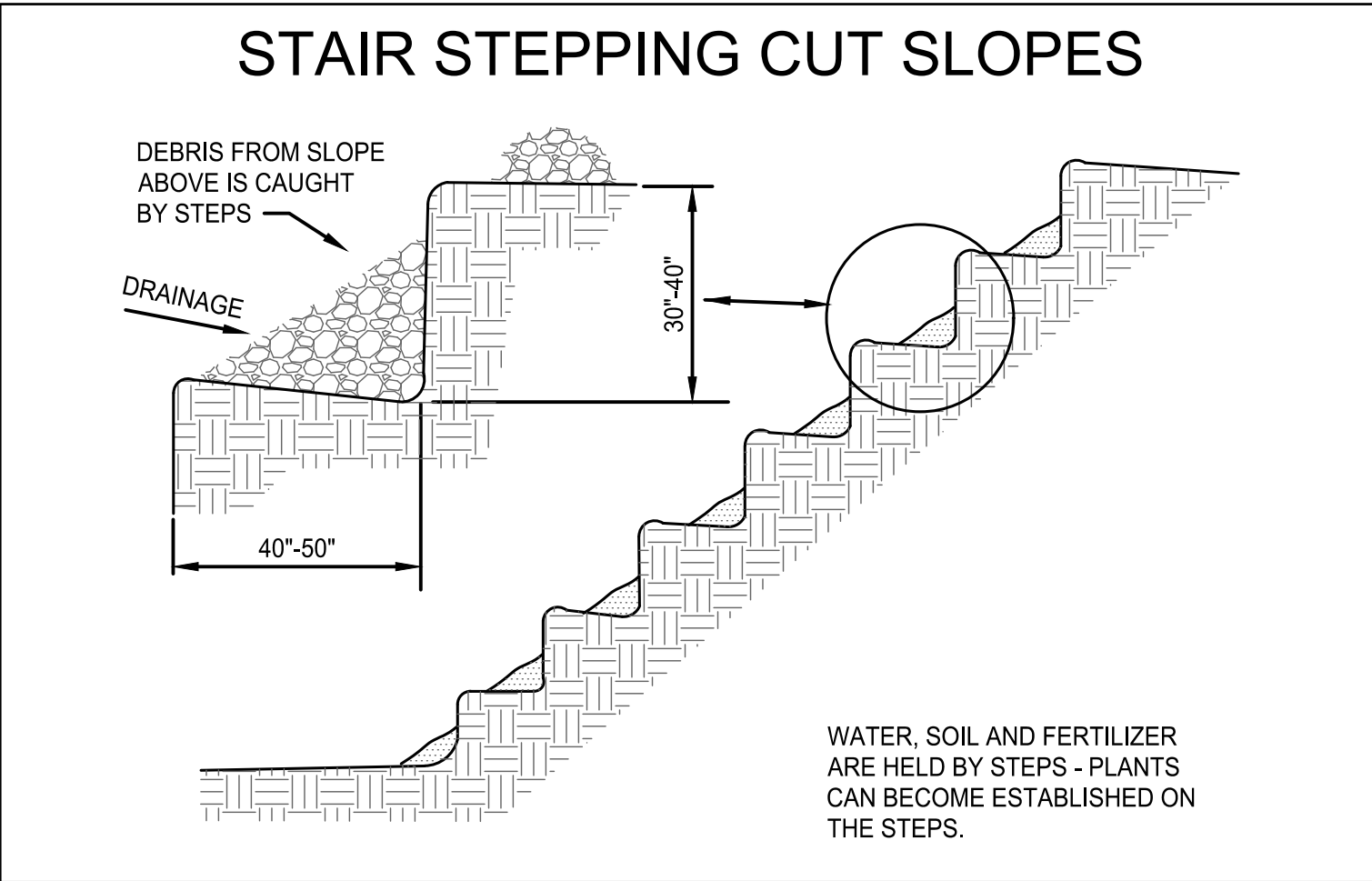
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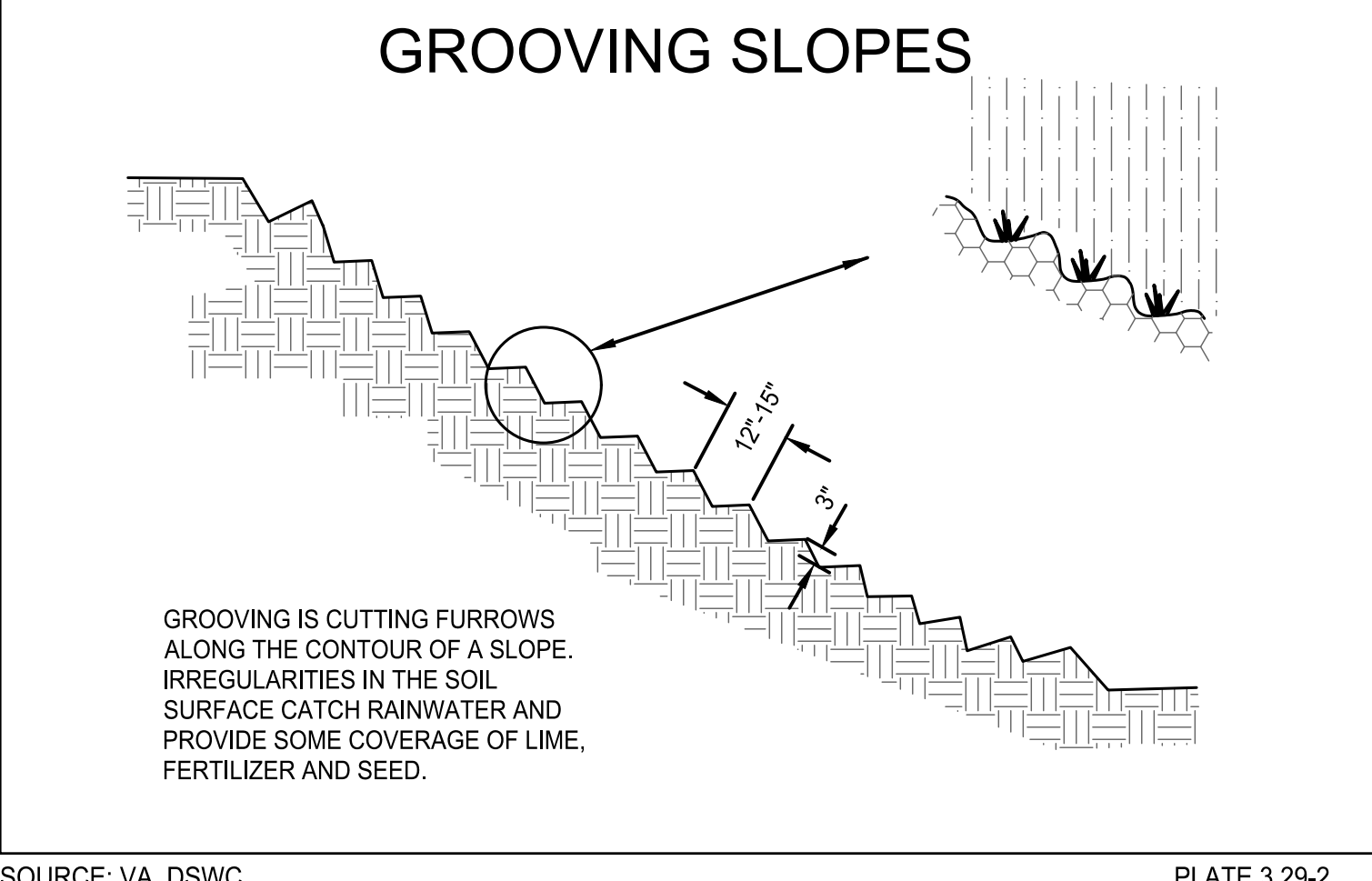
EROSION & SEDIMENT CONTROL PLAN PH II

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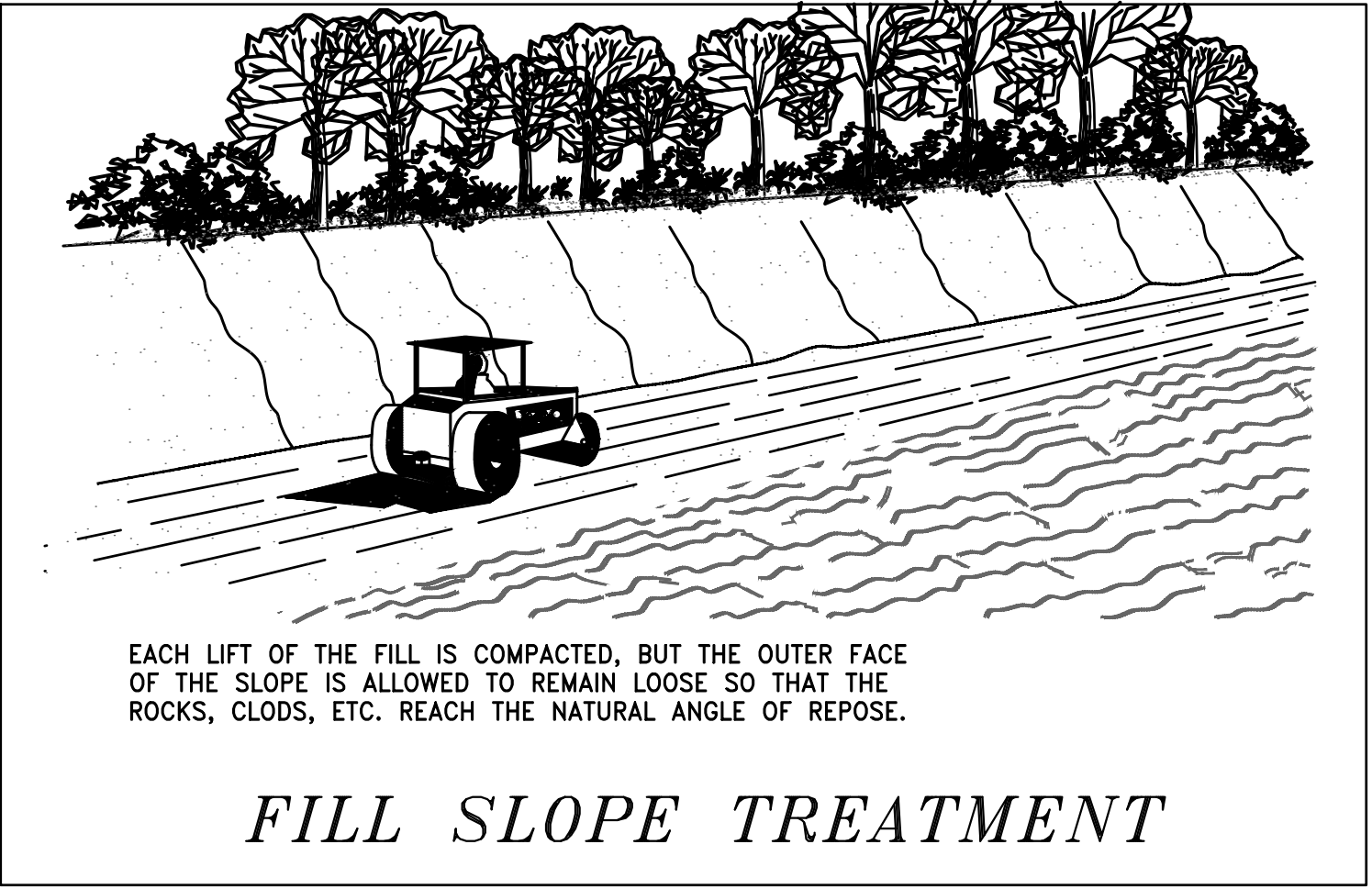
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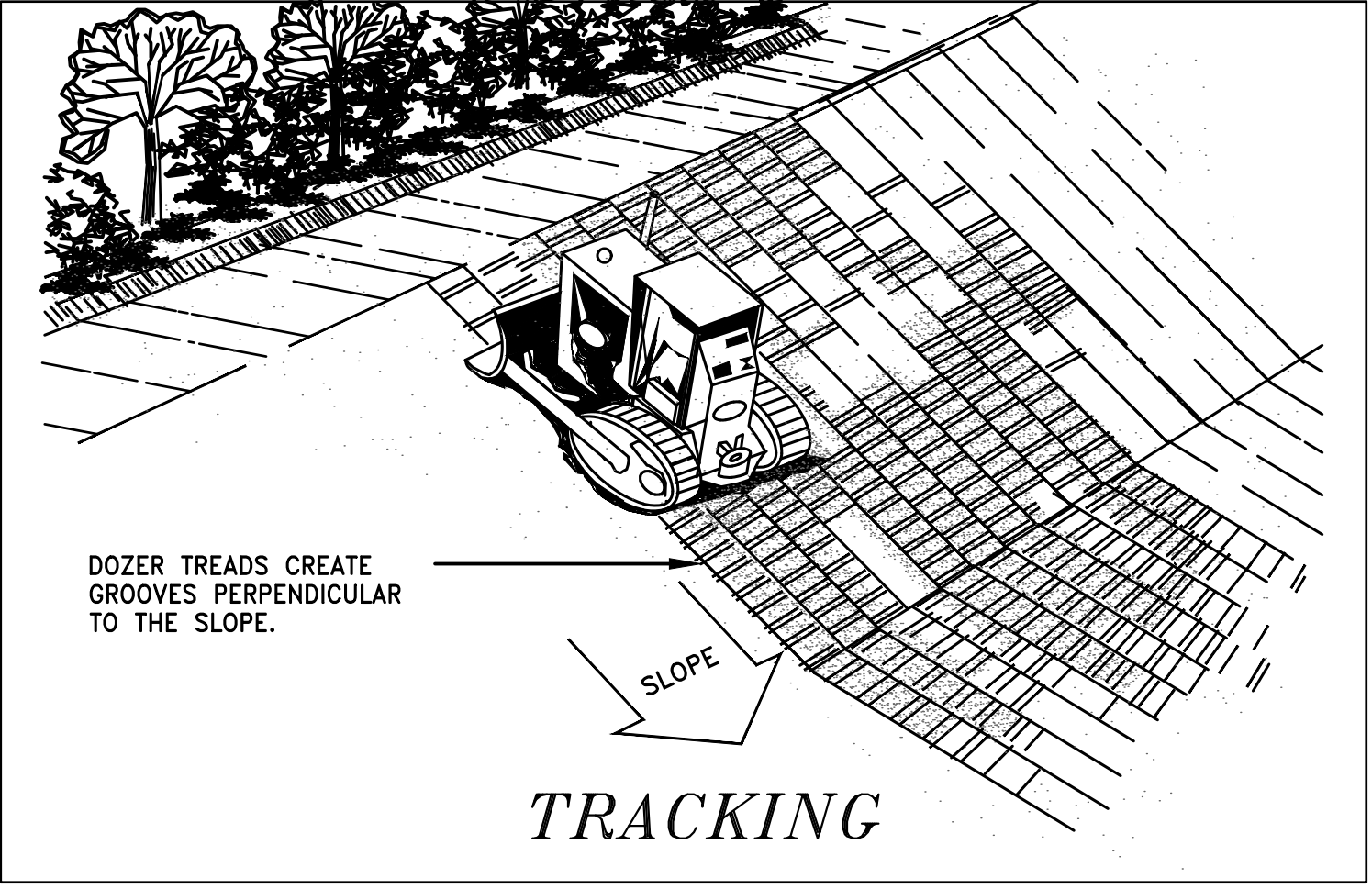
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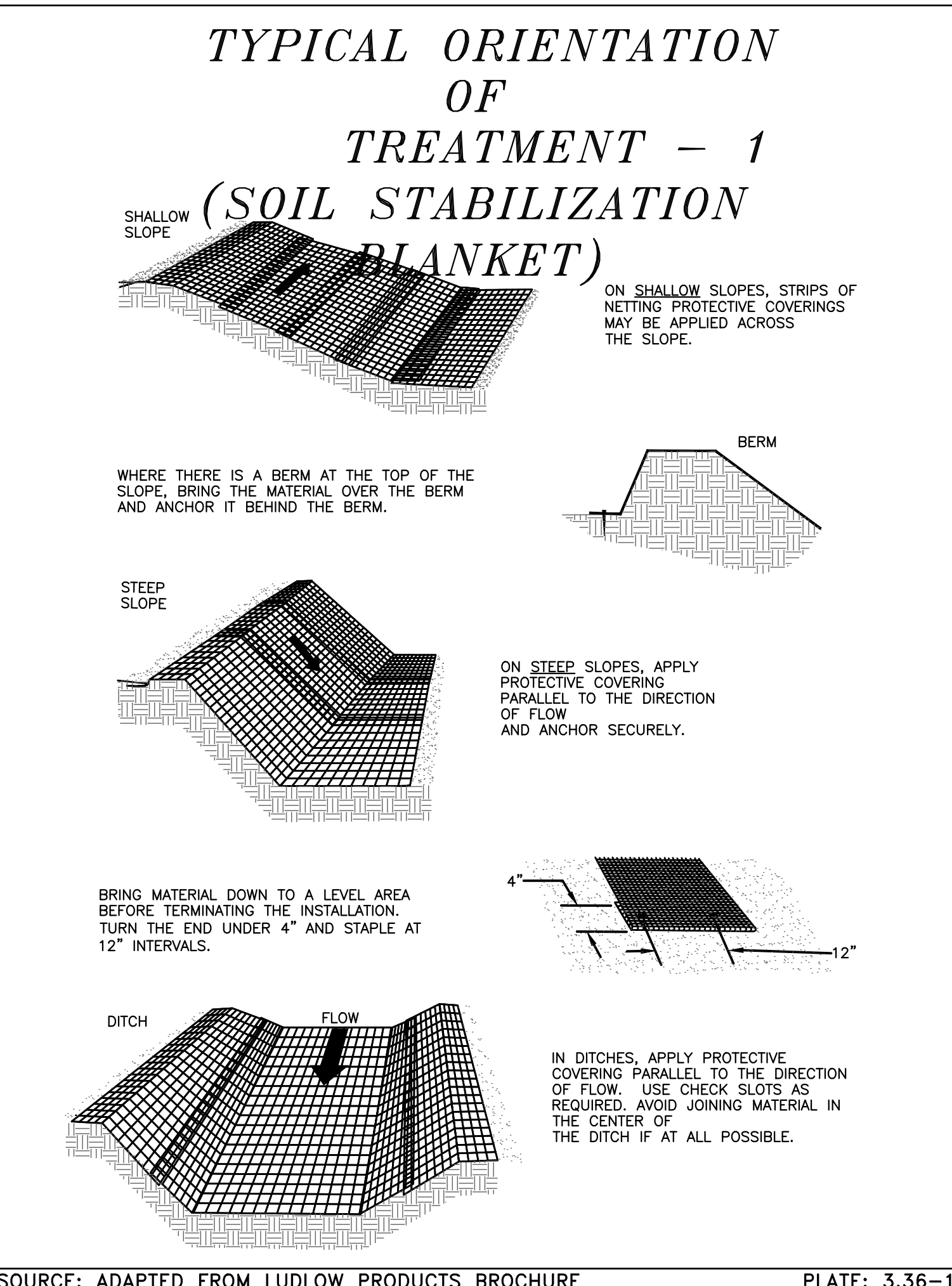
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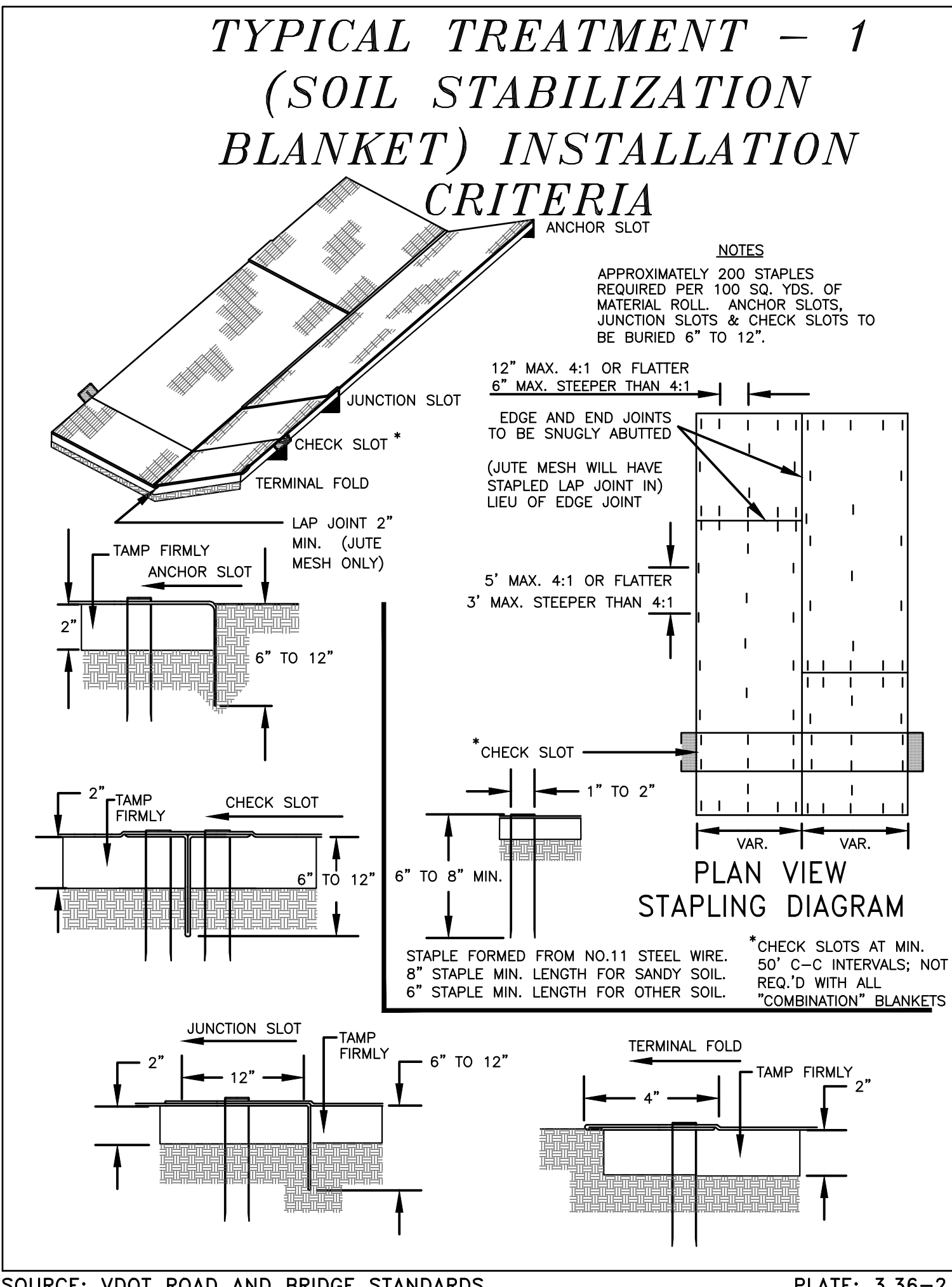
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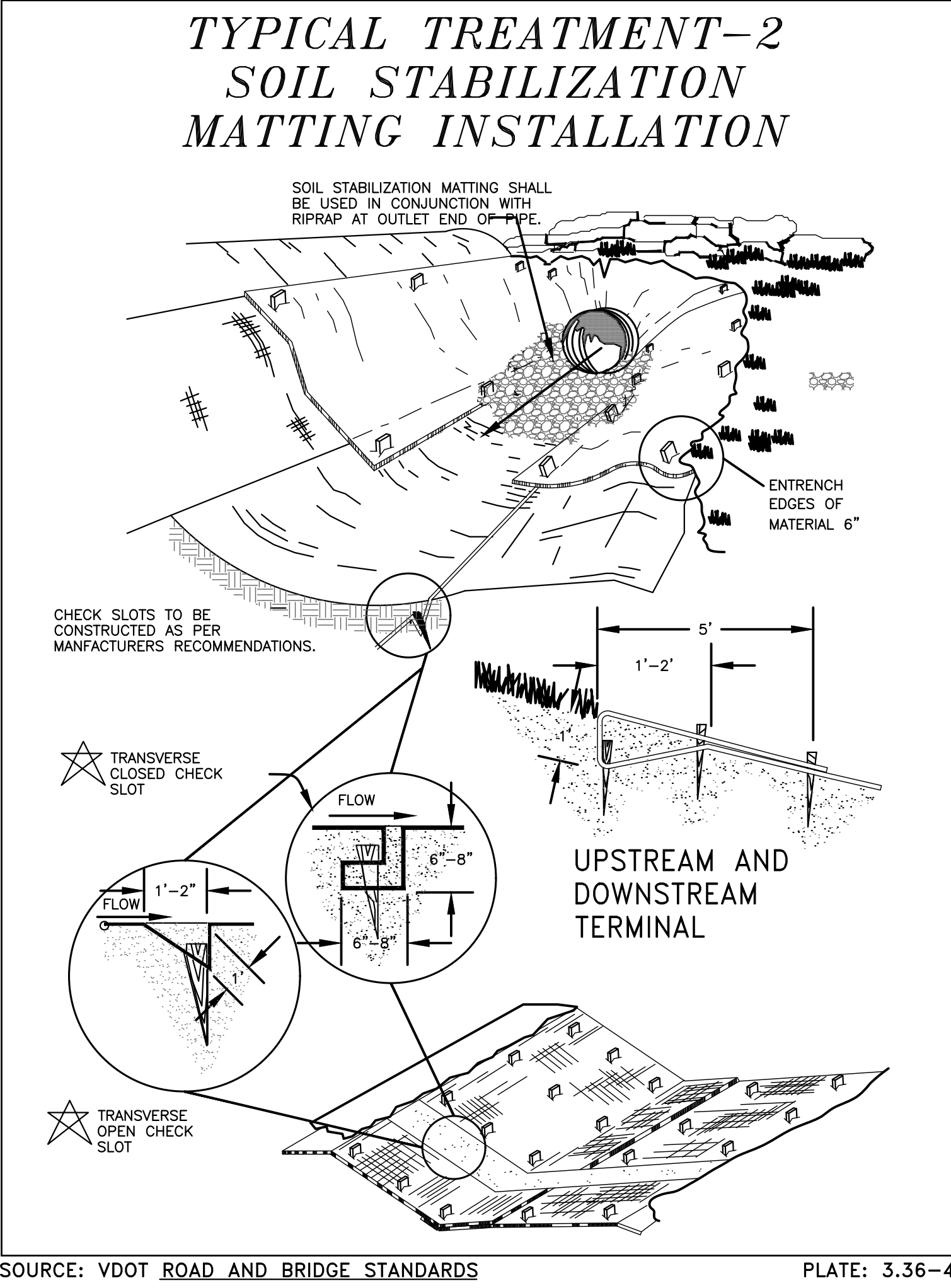
SOURCE: MICHIGAN SOIL EROSION AND SEDIMENTATION GUIDE PLATE 3.29-4



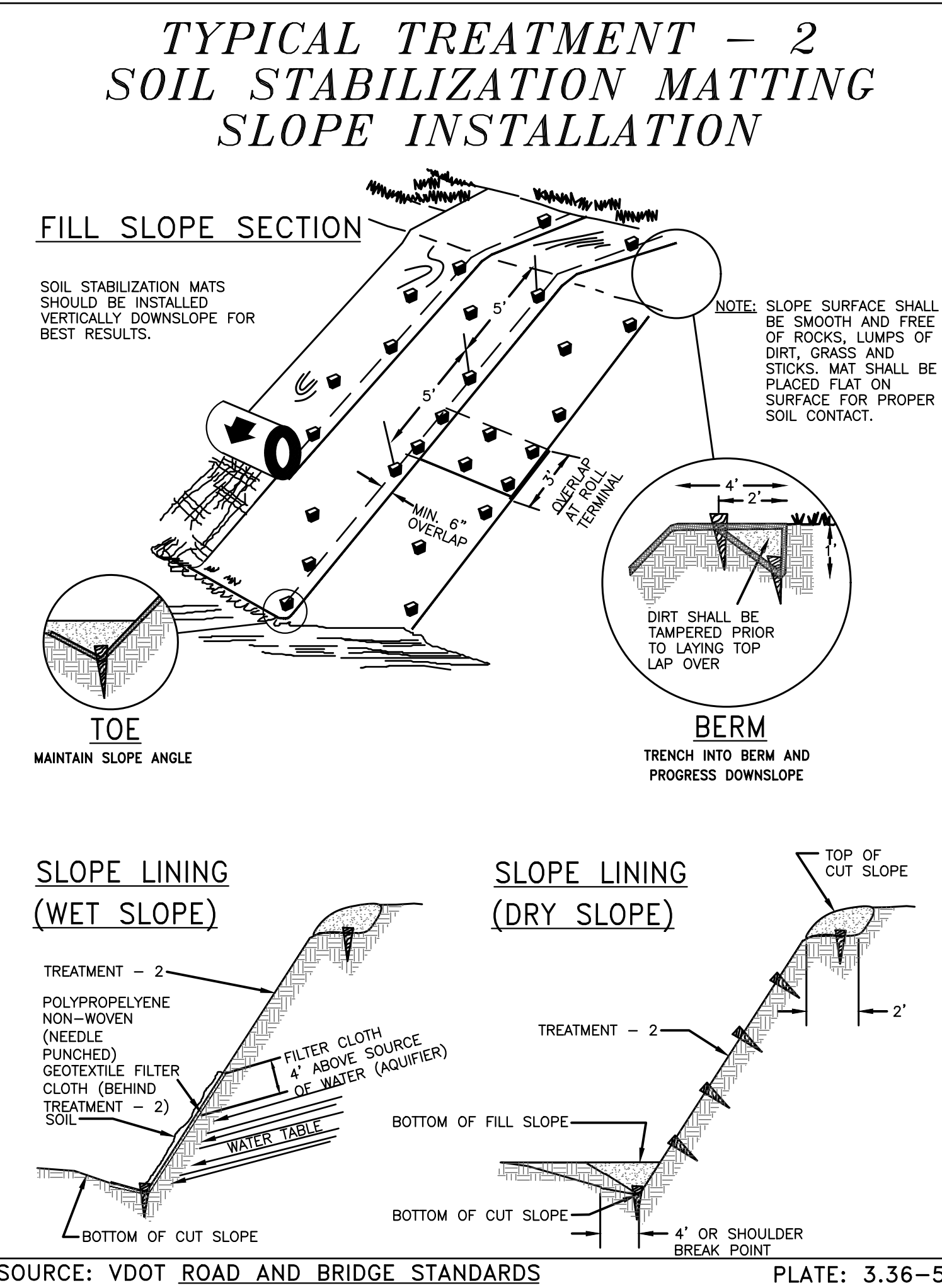
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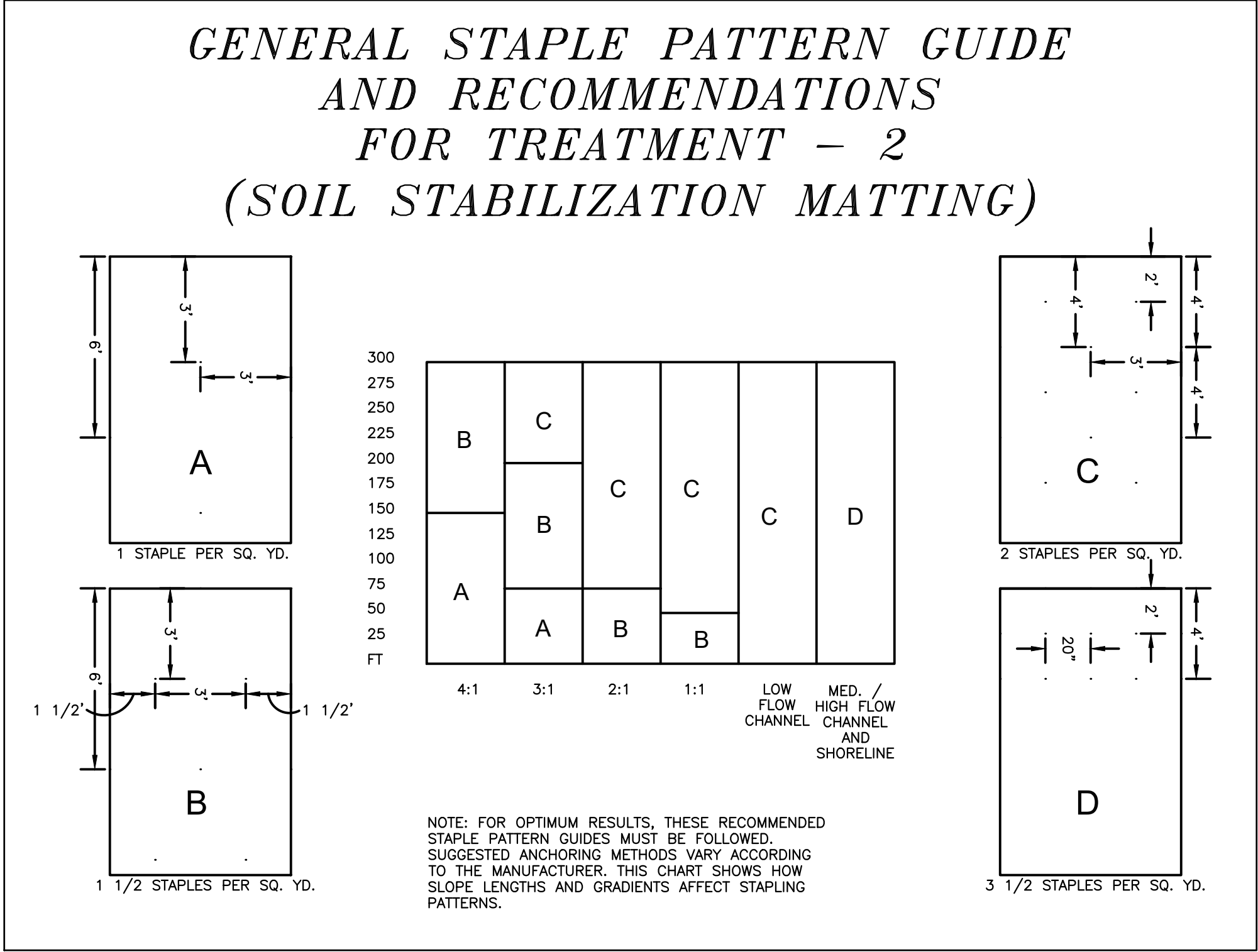
SOURCE: VDOT ROAD AND BRIDGE STANDARDS PLATE: 3.36-2



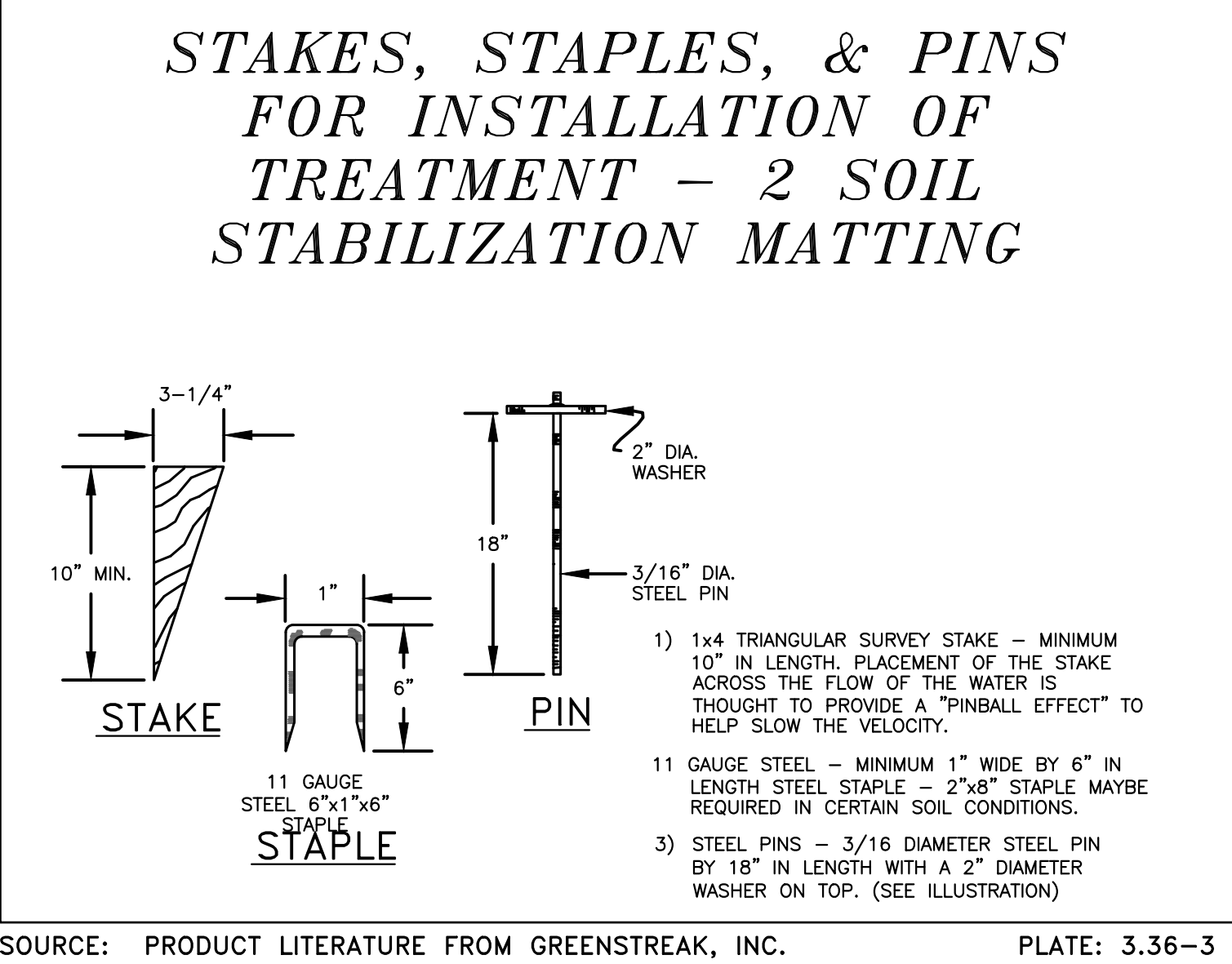
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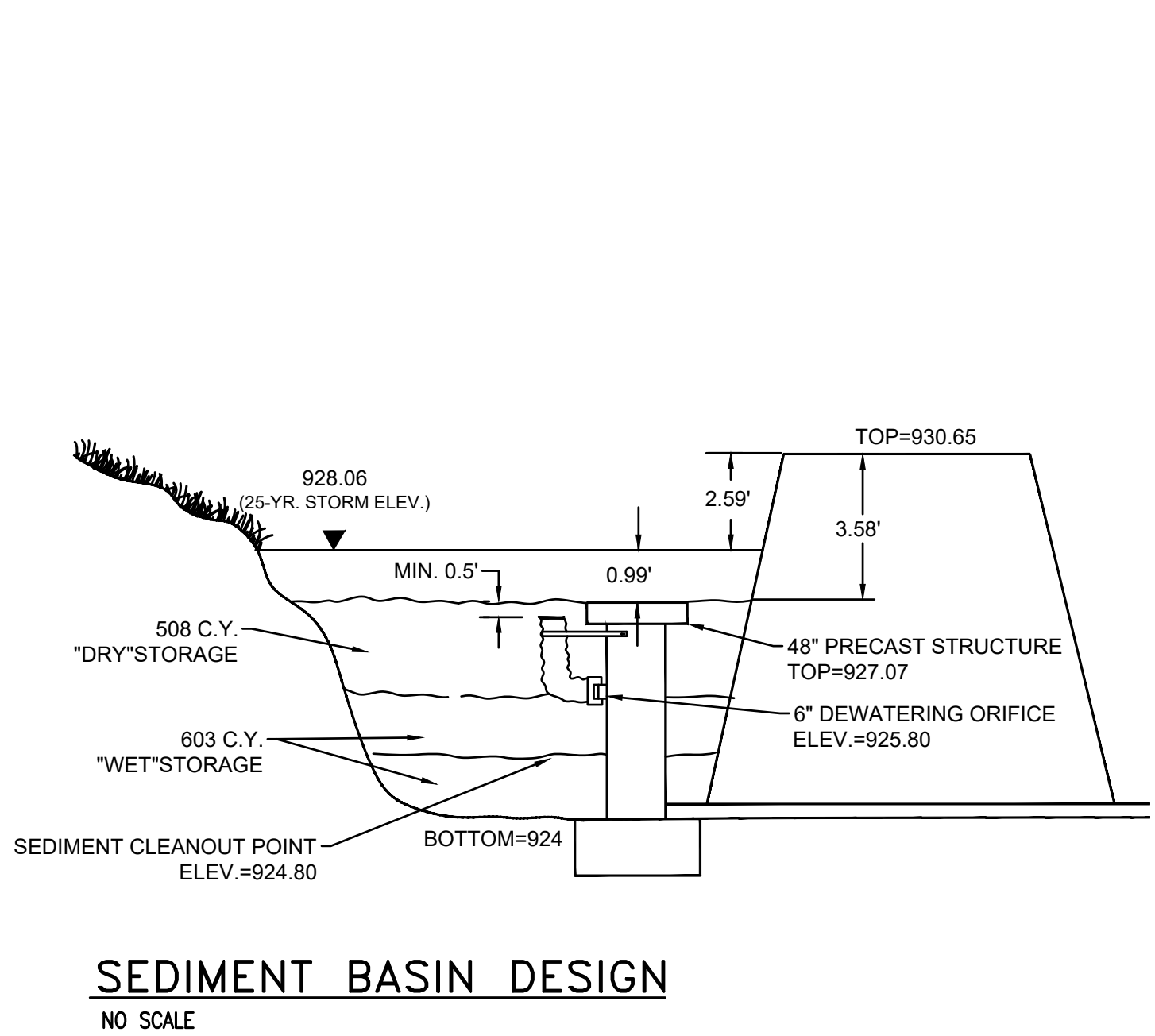
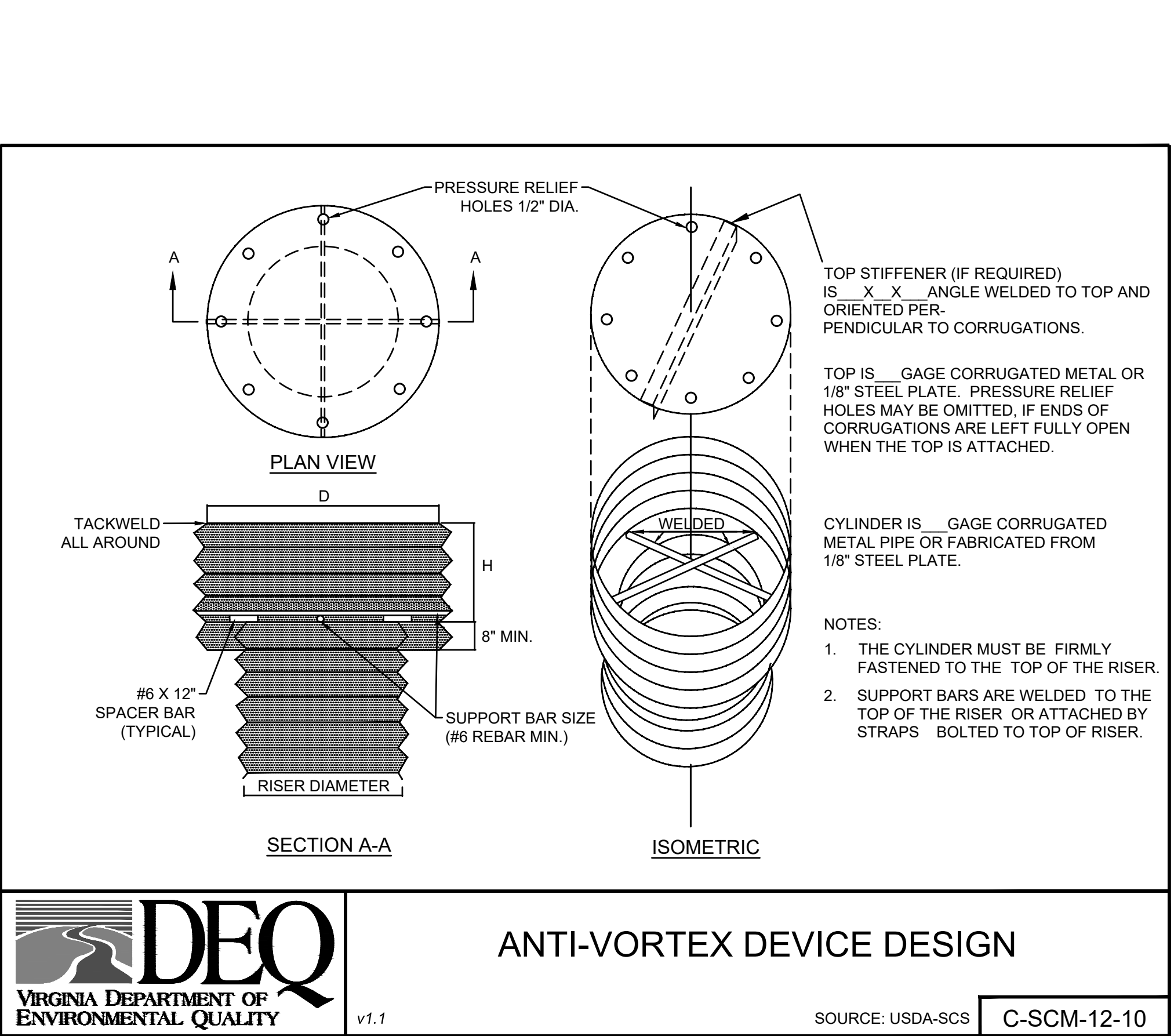
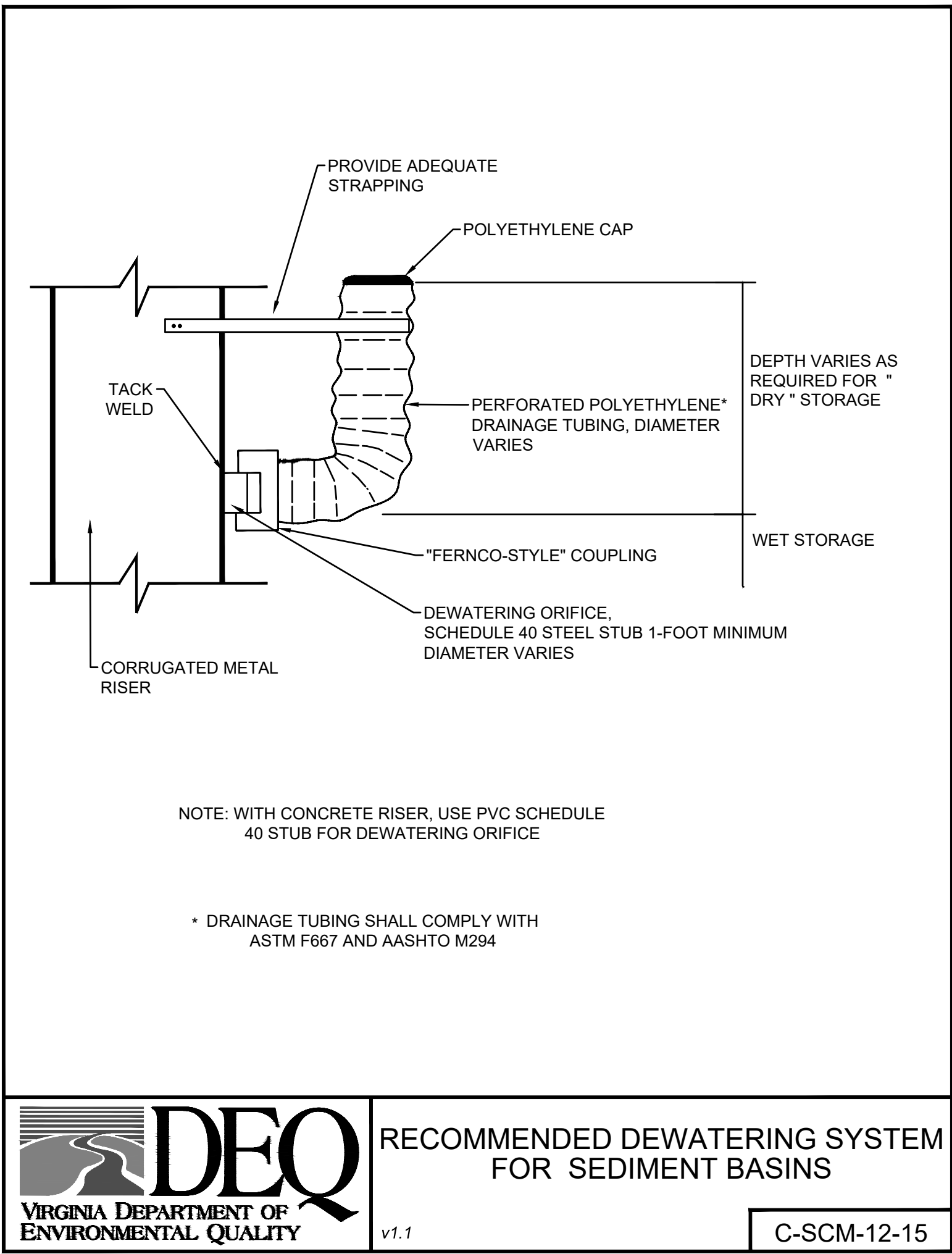
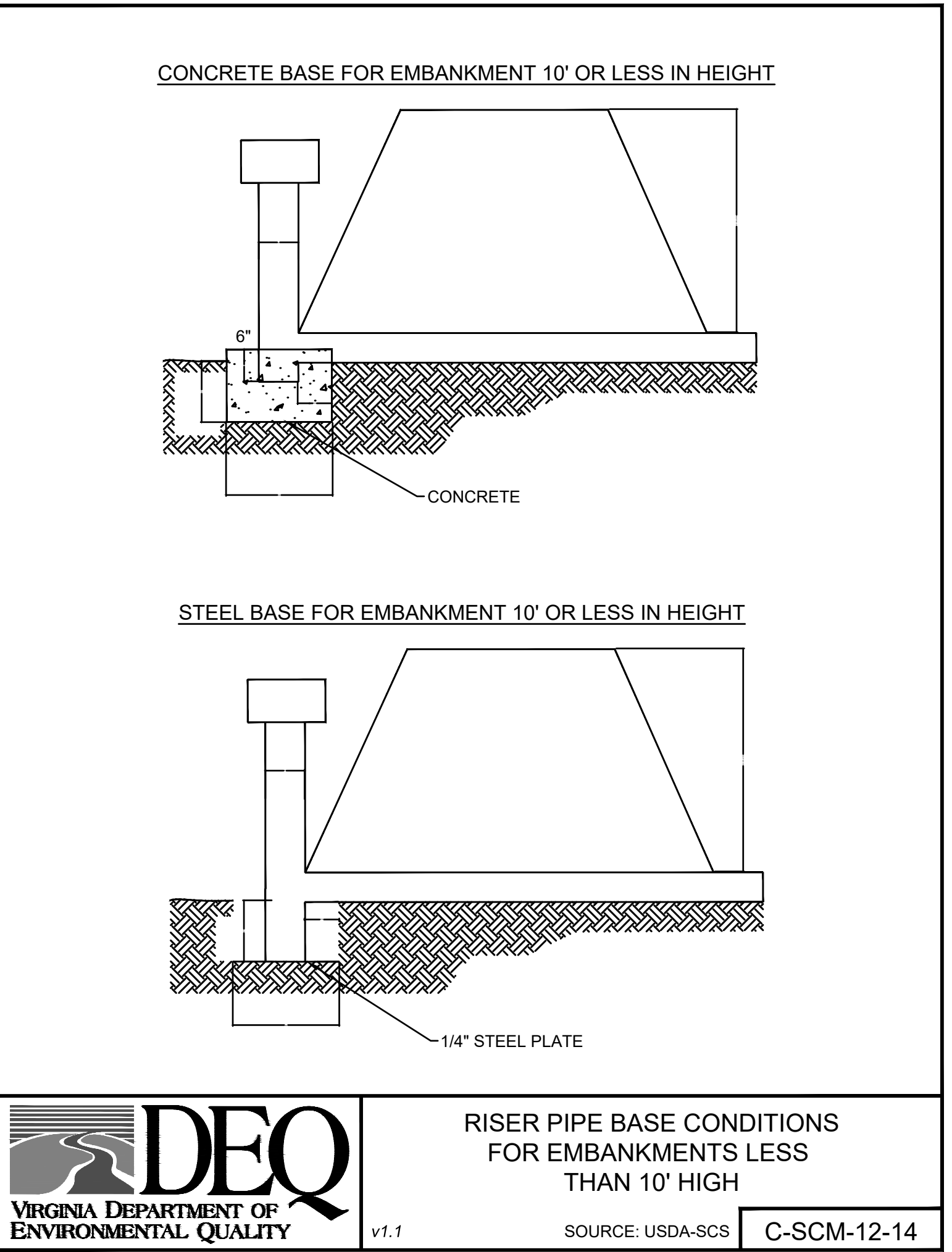
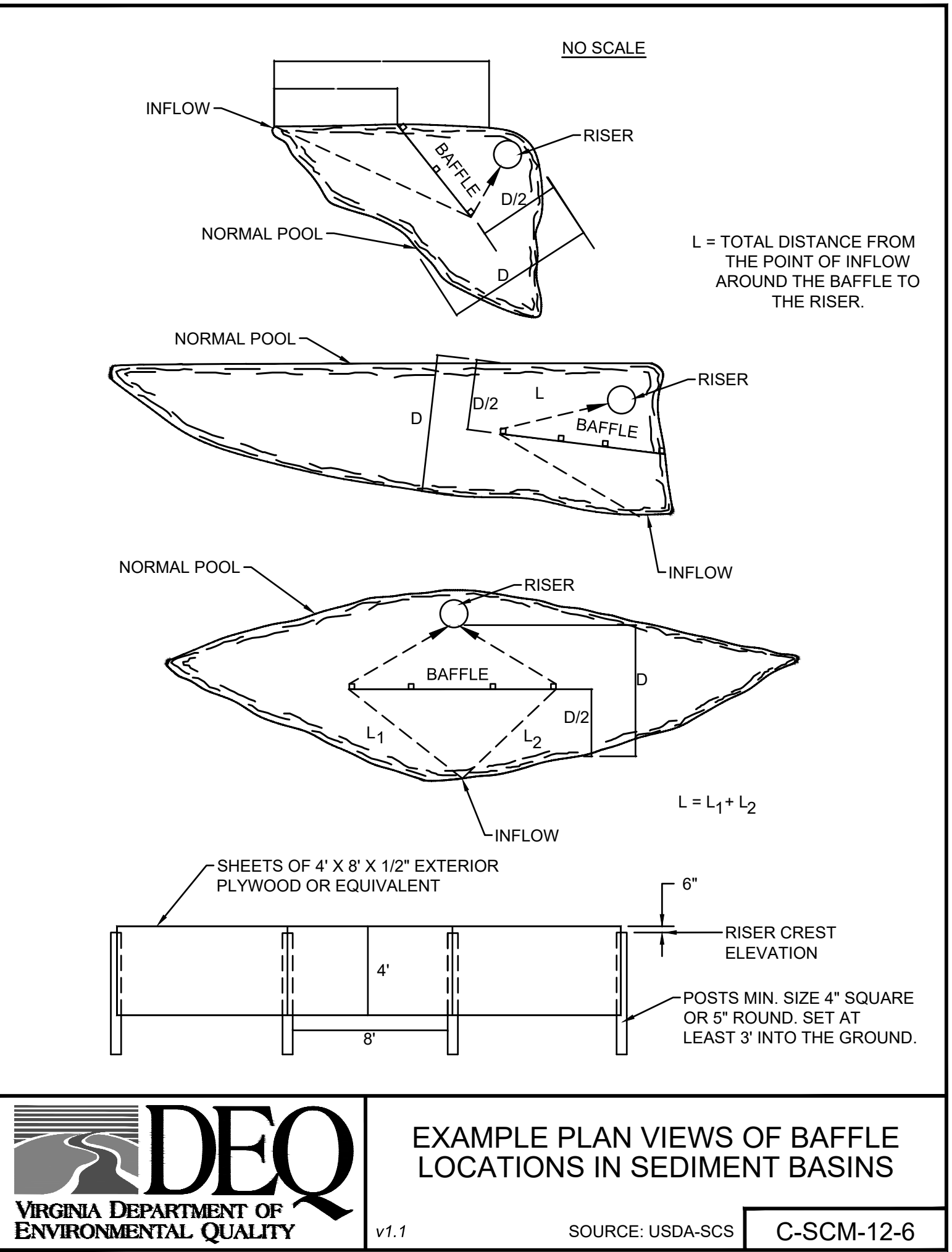
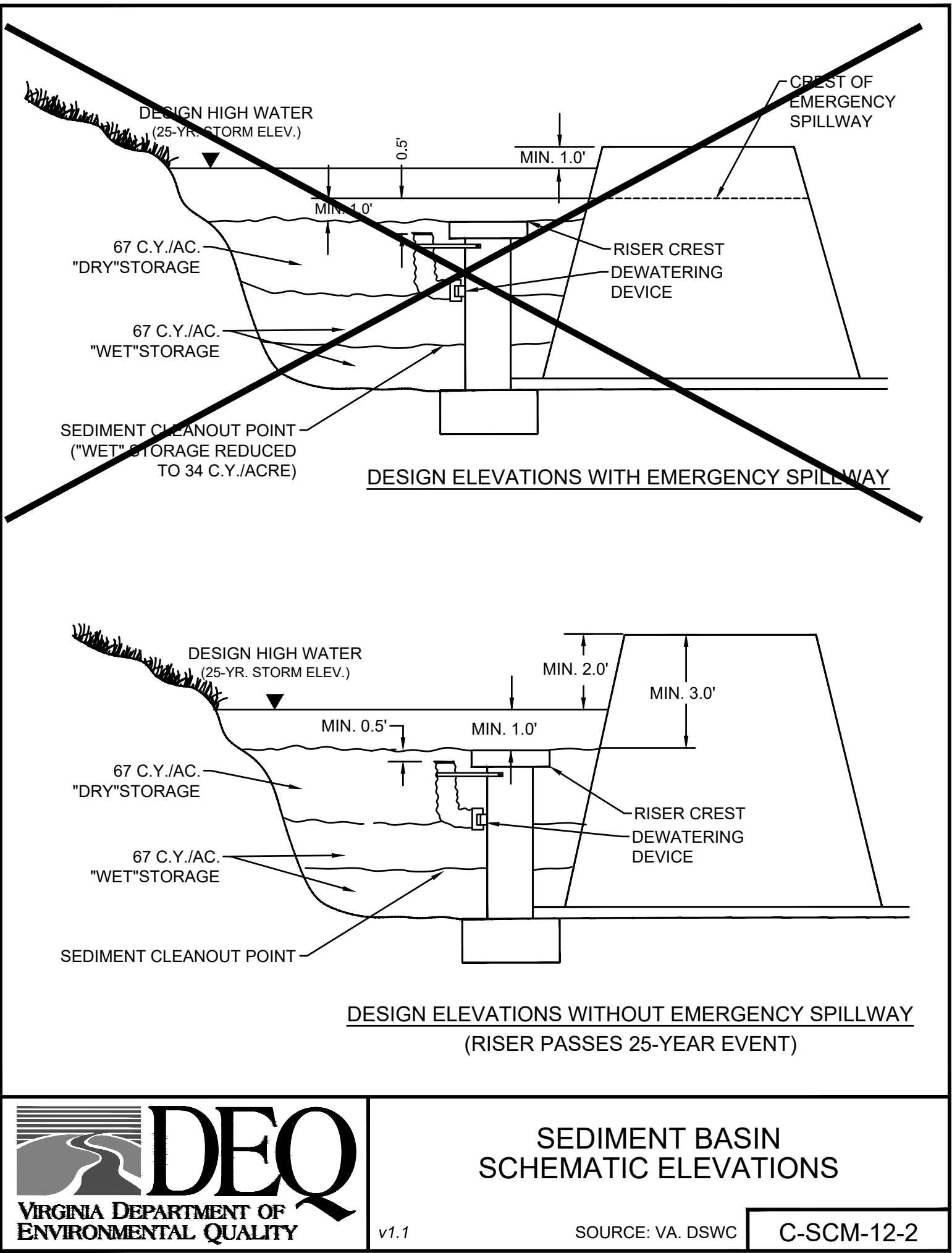
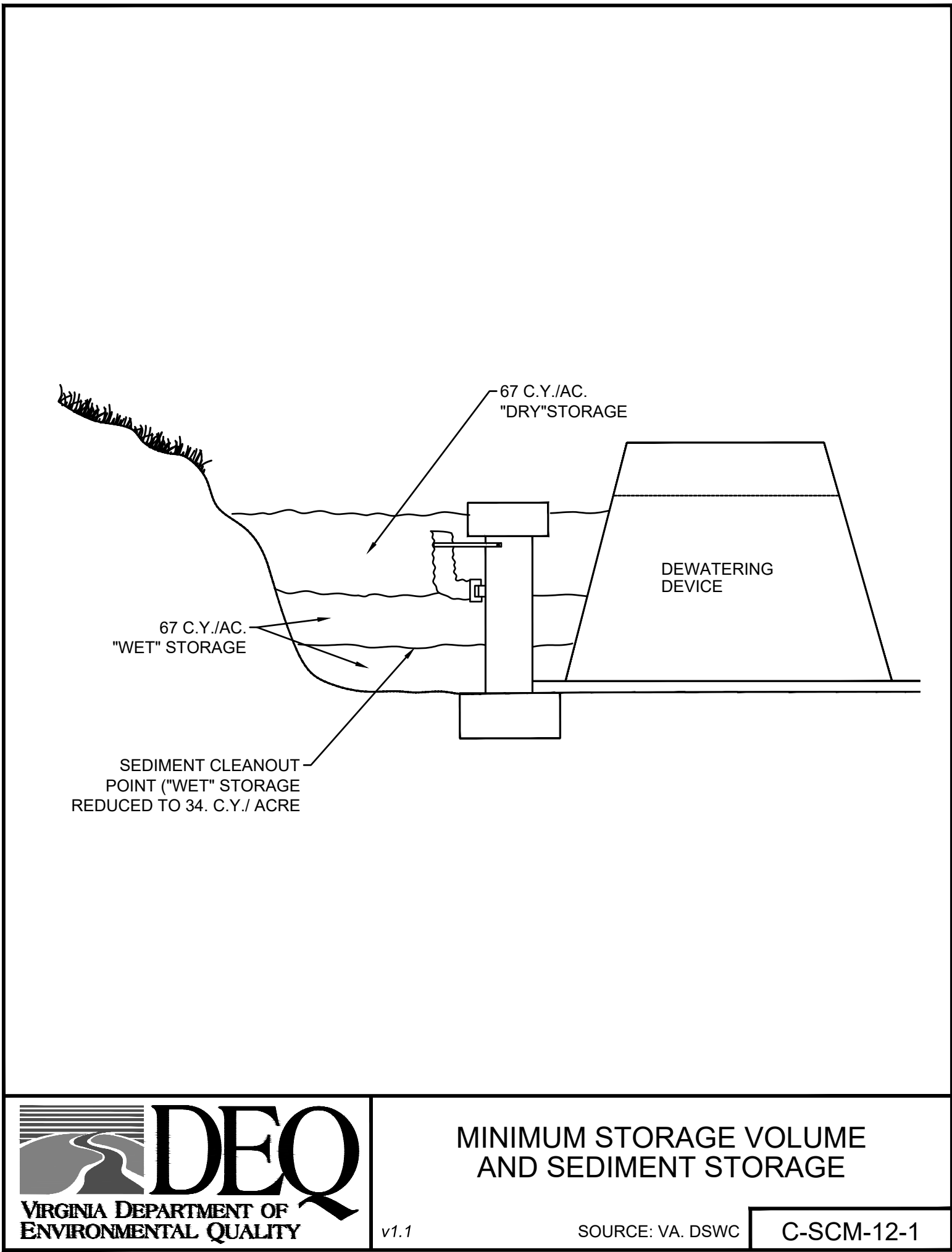
SOURCE: VDOT ROAD AND BRIDGE STANDARDS PLATE: 3.36-5



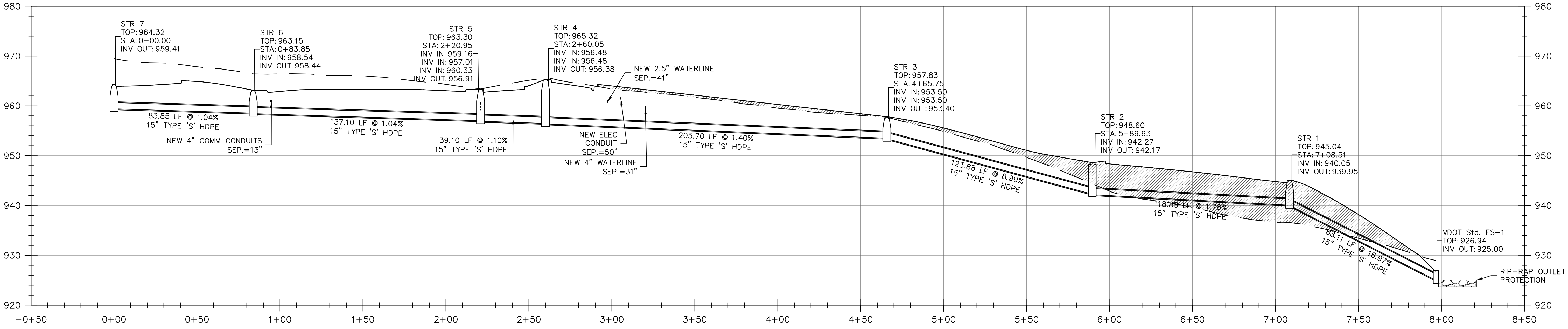
SOURCE: PRODUCT LITERATURE FROM NORTH AMERICAN GREEN PLATE: 3.36-6



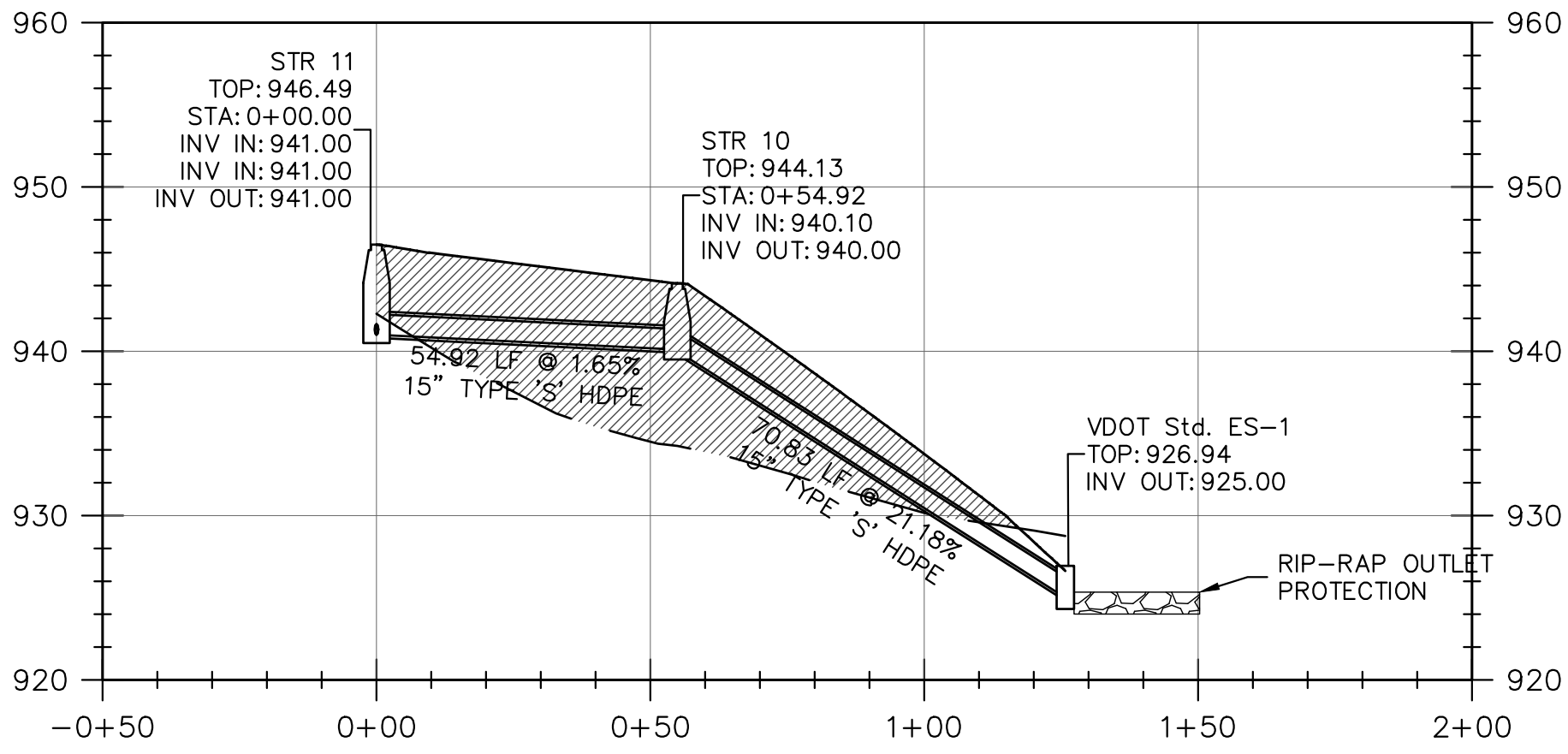
SOURCE: PRODUCT LITERATURE FROM GREENSTREAK, INC. PLATE: 3.36-3



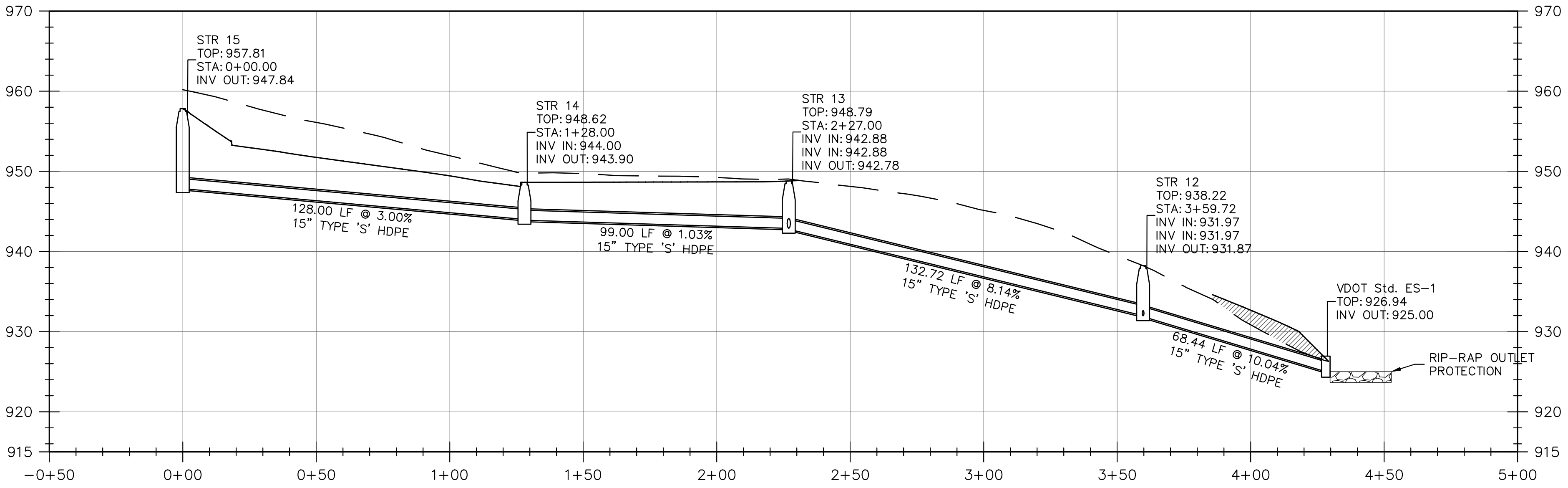
DSS STORM 'A' PROFILE



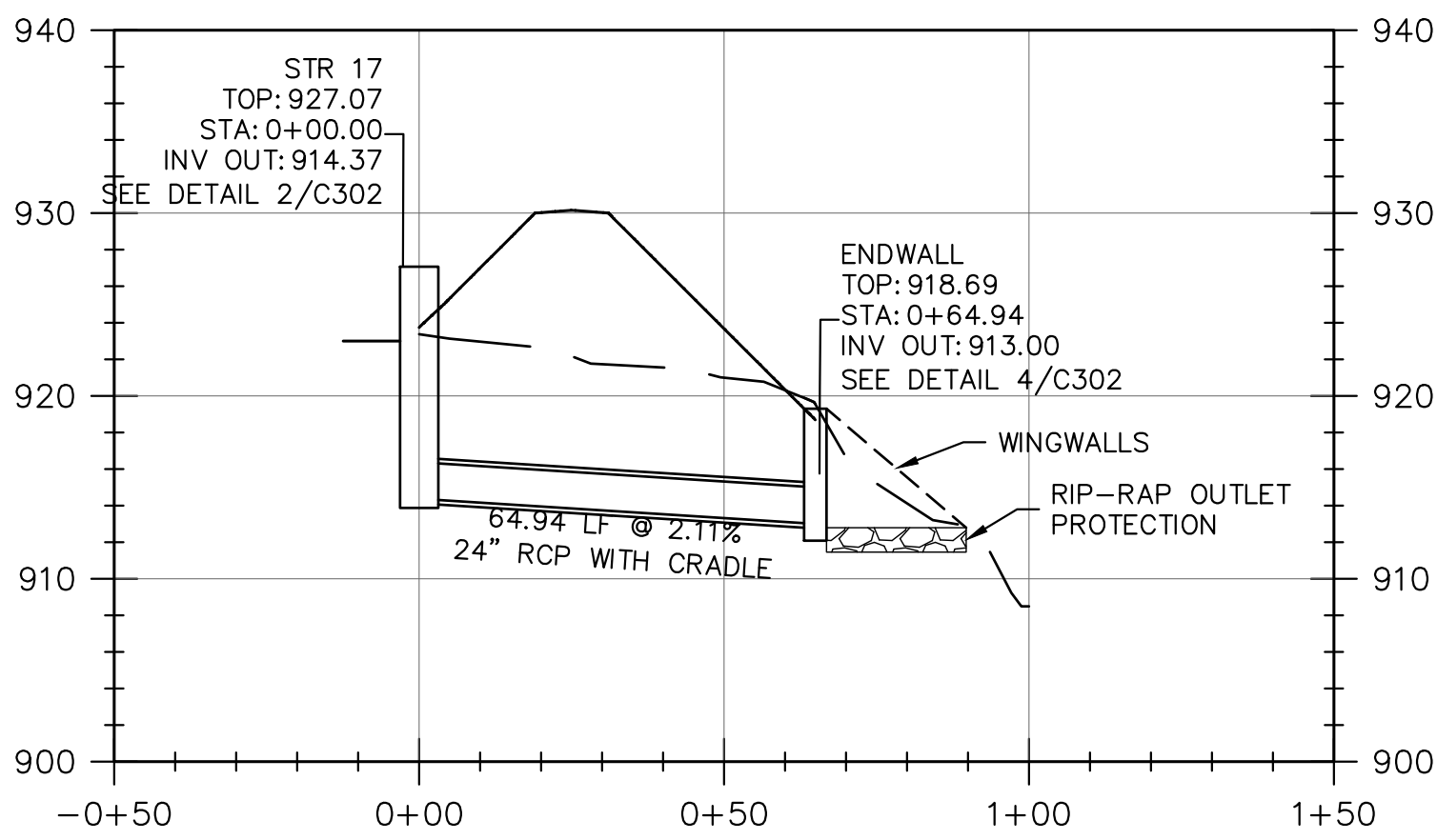
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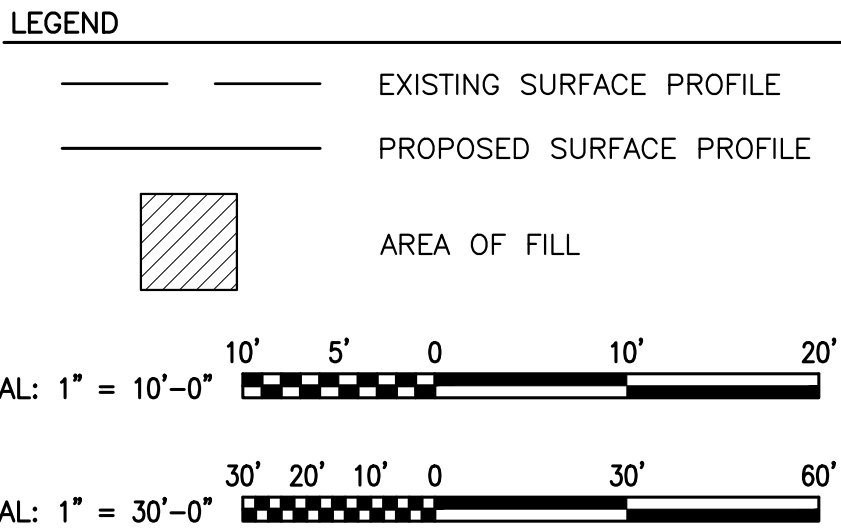
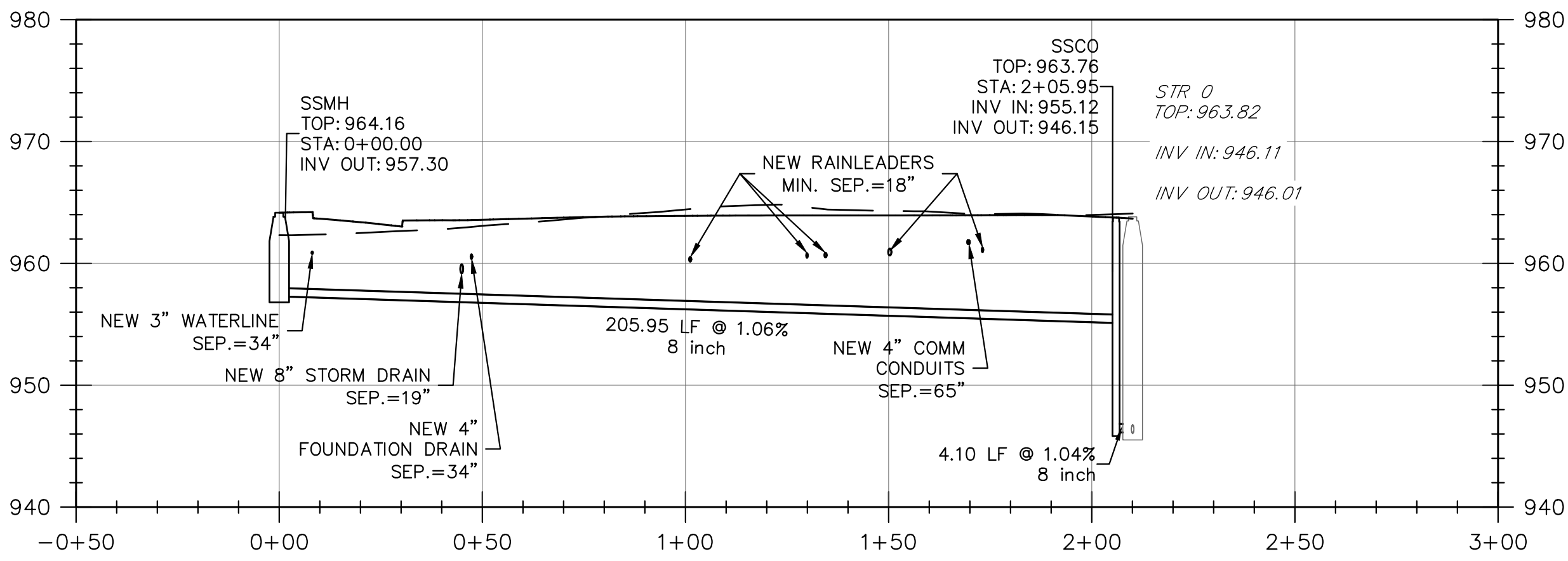
DSS STORM 'C' PROFILE



DSS STORM 'D' PROFILE



DSS SANITARY SEWER 'A' PROFILE



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BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: JM
CHECKED BY: MAR
DRAWN BY: GAG

SHEET ISSUE DATE:
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PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

KEY PLAN:

SHEET NAME:

UTILITY PROFILES

SHEET NUMBER:

C301

CONVERSION OF SEDIMENT BASIN TO DRY DETENTION POND

CONVERSION OF SEDIMENT BASIN TO DRY DETENTION POND TO BE COMPLETED ONCE CONTRIBUTING DRAINAGE AREA TO THE POND IS STABILIZED. DEWATER, DREDGE, REGRADE AND STABILIZE POND TO FINAL DIMENSIONS PROVIDED IN THE SWM PLAN. CORE DRILL ORIFICE(S) INTO THE RISER STRUCTURE AS NECESSARY.

STORMWATER MANAGEMENT MAINTENANCE PLAN

GENERALLY, THE OWNER IS RESPONSIBLE FOR PROVIDING OR COORDINATING ALL FACILITY INSPECTIONS AND ANY REQUIRED MAINTENANCE. REQUIREMENTS LISTED ARE TO BE TAKEN AS A MINIMUM AND DO NOT REPRESENT THE FULL LIMIT OF RESPONSIBILITY. ANY STANDING WATER THAT IS TO BE REMOVED FROM THE SITE DURING MAINTENANCE OPERATIONS MUST BE DISPOSED OF PER THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, CURRENT EDITION, AND ANY LOCAL REQUIREMENTS.

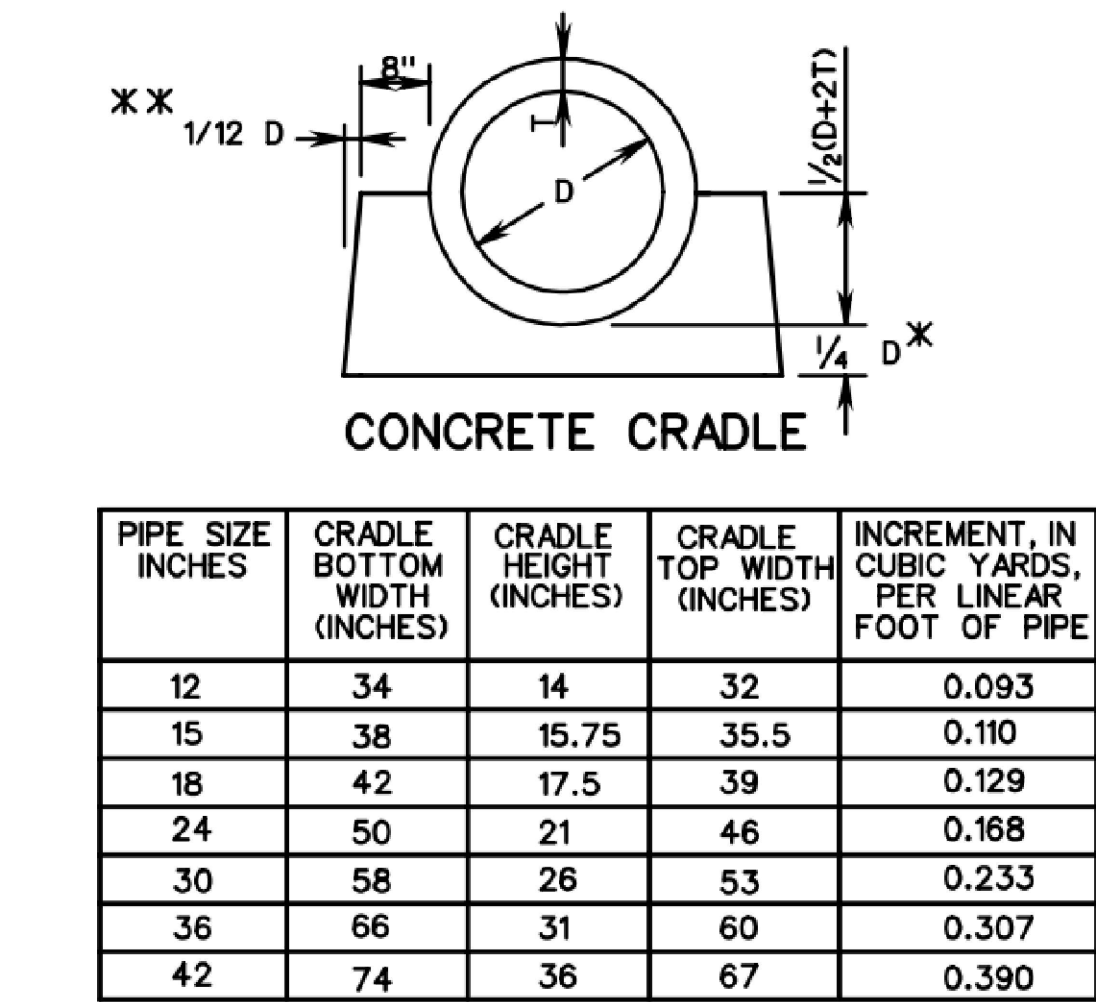
- INSPECTION OF THE SWM FACILITY SHOULD BE PERFORMED AT A MINIMUM OF ONCE PER YEAR. CLEANING SHOULD BE DONE AT THE DISCRETION OF THE INDIVIDUALS RESPONSIBLE TO MAINTAIN PROPER STORAGE AND FLOW. WHILE MAINTENANCE CAN GENERALLY BE PERFORMED YEAR ROUND, IT SHOULD BE SCHEDULED DURING A RELATIVELY DRY SEASON. THE FOLLOWING IS THE RECOMMENDED PROCEDURE TO INSPECT THE SYSTEM IN SERVICE:
- 1.MEASURE SEDIMENT ACCUMULATION LEVELS IN THE BASIN.
 - 2.MONITOR THE GROWTH OF WETLANDS, TREES, AND SHRUBS PLANTED. RECORD THE SPECIES AND THEIR APPROXIMATE COVERAGE AND NOTE THE PRESENCE OF INVASIVE PLANT SPECIES.
 - 3.INSPECT THE CONDITION OF STORMWATER INLETS TO THE POND FOR MATERIAL DAMAGE, EROSION, UNDERCUTTING AND SUBSIDENCE/ SINKHOLE FORMATION.
 - 4.INSPECT THE BANKS OF UPSTREAM AND DOWNSTREAM CHANNELS FOR EVIDENCE OF SLOUGHING, ANIMAL BURROWS, BOGGY AREAS, WOODY GROWTH, GULLY EROSION, OR SUBSIDENCE/ SINKHOLE FORMATION THAT MAY UNDERMINE EMBANKMENT INTEGRITY.
 - 5.INSPECT BASIN OUTFALL CHANNEL FOR EROSION, UNDERCUTTING, RIPRAP DISPLACEMENT, WOODY GROWTH, SUBSIDENCE/ SINKHOLE FORMATION, AND OTHER ISSUES.
 - 6.INSPECTION CONDITION OF PRINCIPLE SPILLWAY AND RISER FOR EVIDENCE OF SPALLING, JOINT FAILURE, LEAKAGE, CORROSION, SUBSIDENCE/ SINKHOLE FORMATION, AND OTHER ISSUES.
 - 7.INSPECT CONDITION OF ALL TRASH RACKS, REVERSE SLOPED PIPES OR FLASHBOARD RISERS FOR EVIDENCE OF CLOGGING, LEAKAGE, DEBRIS ACCUMULATION, AND OTHER ISSUES.
 - 8.INSPECT MAINTENANCE ACCESS TO ENSURE IT IS FREE OF WOODY VEGETATION, AND CHECK TO SEE WHETHER VALVES, MANHOLES, AND LOCKS CAN BE OPENED AND OPERATED.
 - 9.INSPECT INTERNAL AND EXTERNAL SIDE SLOPES OF BASIN FOR EVIDENCE OF SPARSE VEGETATIVE COVER, EROSION, SLUMPING, OR SUBSIDENCE/ SINKHOLE FORMATION, AND MAKE NEEDED REPAIRS IMMEDIATELY.

ONGOING MAINTENANCE:

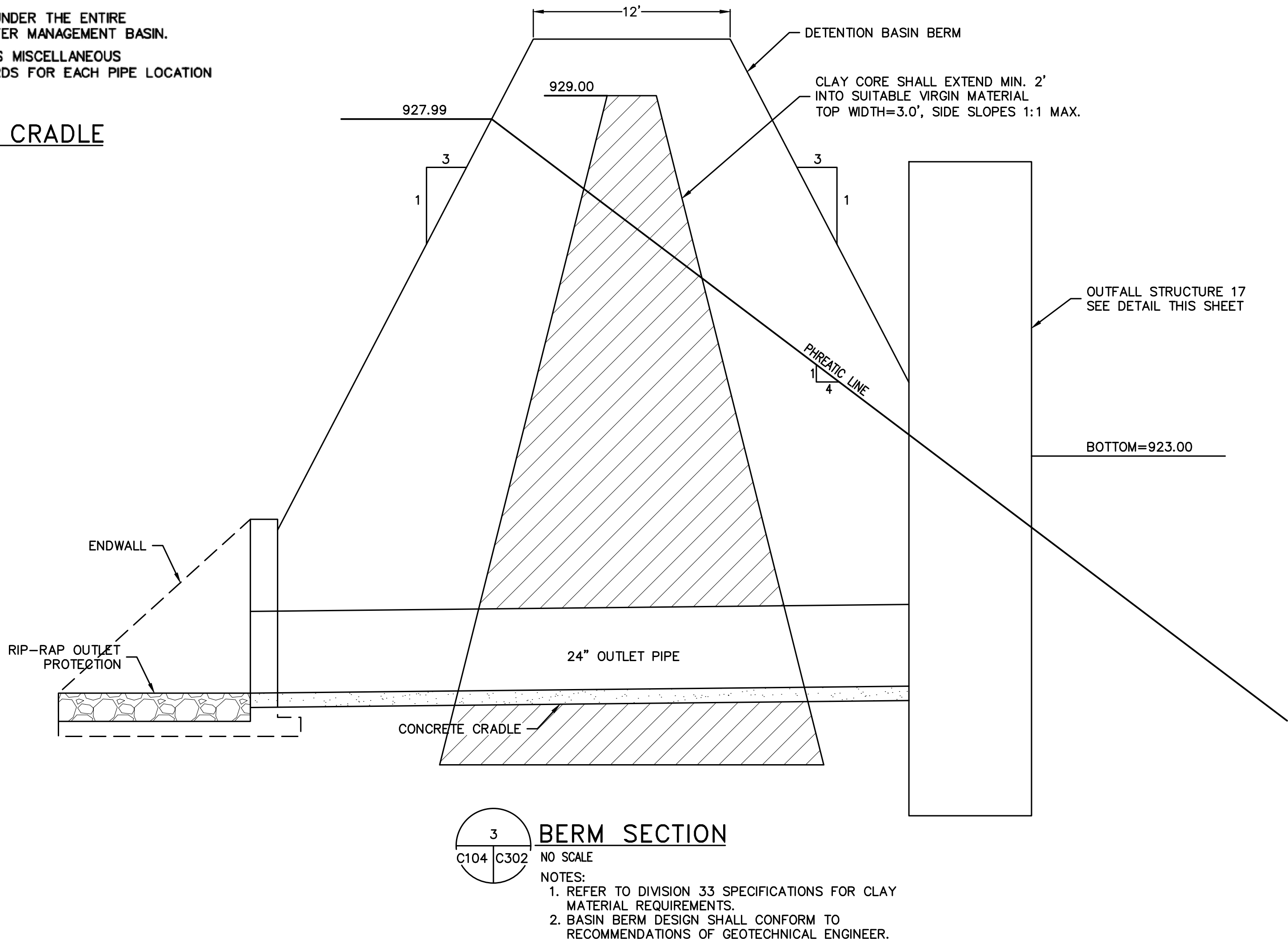
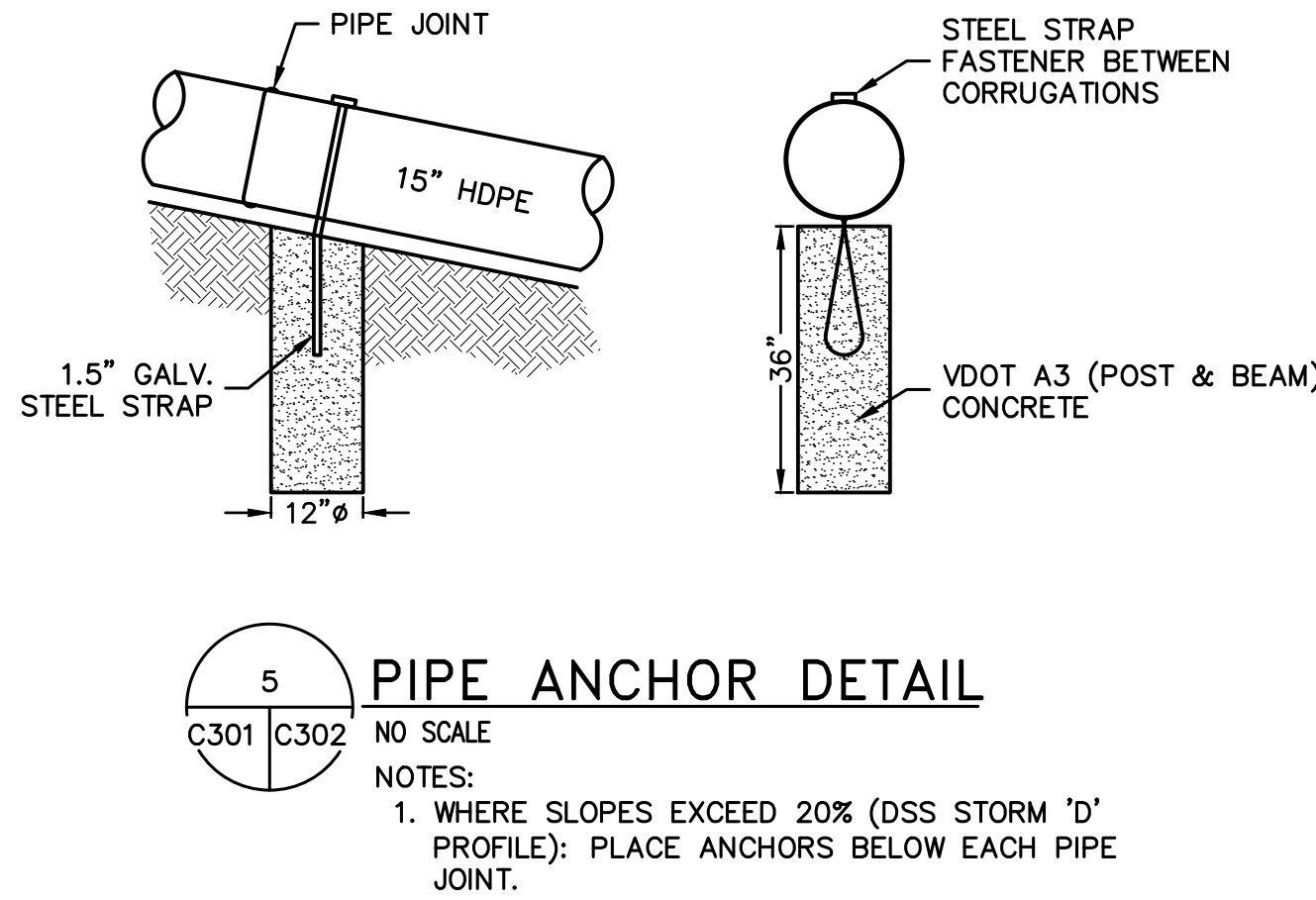
INSPECTION OF THE ORIFICES SHOULD BE PERFORMED AT A MINIMUM OF TWICE PER YEAR. REMOVE TRASH, DEBRIS, AND ANY UNWANTED VEGETATION. REMOVE ACCUMULATED SEDIMENT. SEDIMENT IS TYPICALLY NOT CONSIDERED TOXIC OR HAZARDOUS AND CAN BE SAFELY DISPOSED BY EITHER LAND APPLICATION OR LANDFILLING. ENSURE PROPER DISPOSAL IS COORDINATED WITH APPROPRIATE LOCAL AUTHORITY.

MAINTENANCE AGREEMENTS:

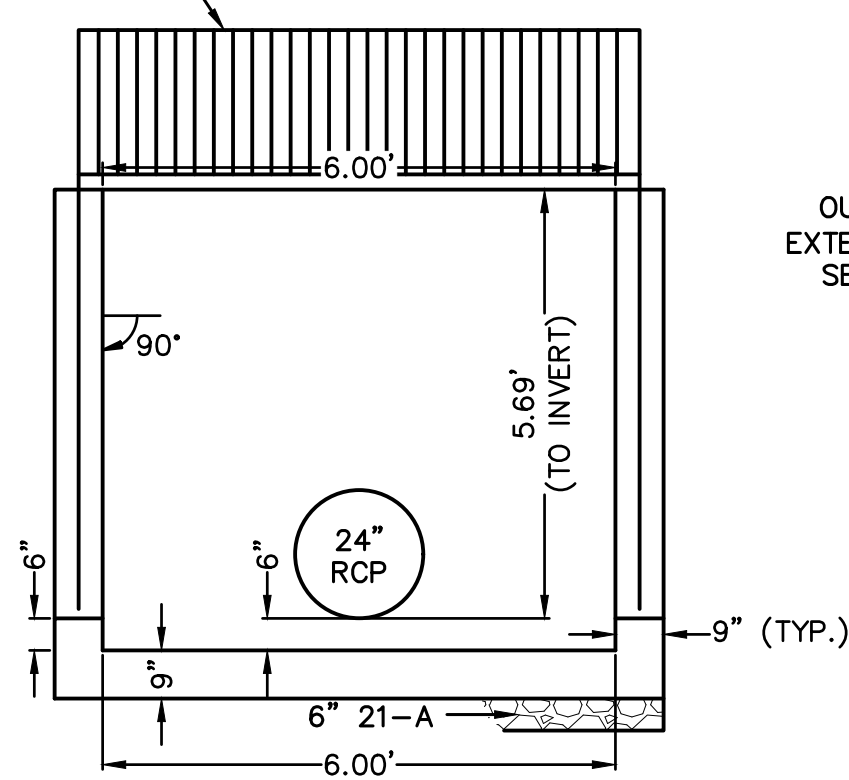
ACCESS SHOULD BE COVERED BY DRAINAGE EASEMENT TO ALLOW ACCESS BY THE VESMO AUTHORITY TO CONDUCT INSPECTS AND MAINTENANCE, WHEN NECESSARY. AGREEMENTS SHALL BE CONSISTENT WITH THE PROVISIONS OF THE VIRGINIA EROSION AND STORMWATER MANAGEMENT REGULATION AND SHOULD INCLUDE THE RECOMMENDED MAINTENANCE TASKS AND A COPY OF AN ANNUAL INSPECTION CHECKLIST. AGREEMENT SHOULD INCLUDE INFORMATION OWNERS TO OBTAIN LOCAL OR STATE ASSISTANCE TO SOLVE COMMON NUISANCE PROBLEMS SUCH AS MOSQUITO CONTROL, GEESE, INVASIVE PLANTS, VEGETATIVE MANAGEMENT, AND BEAVER REMOVAL.



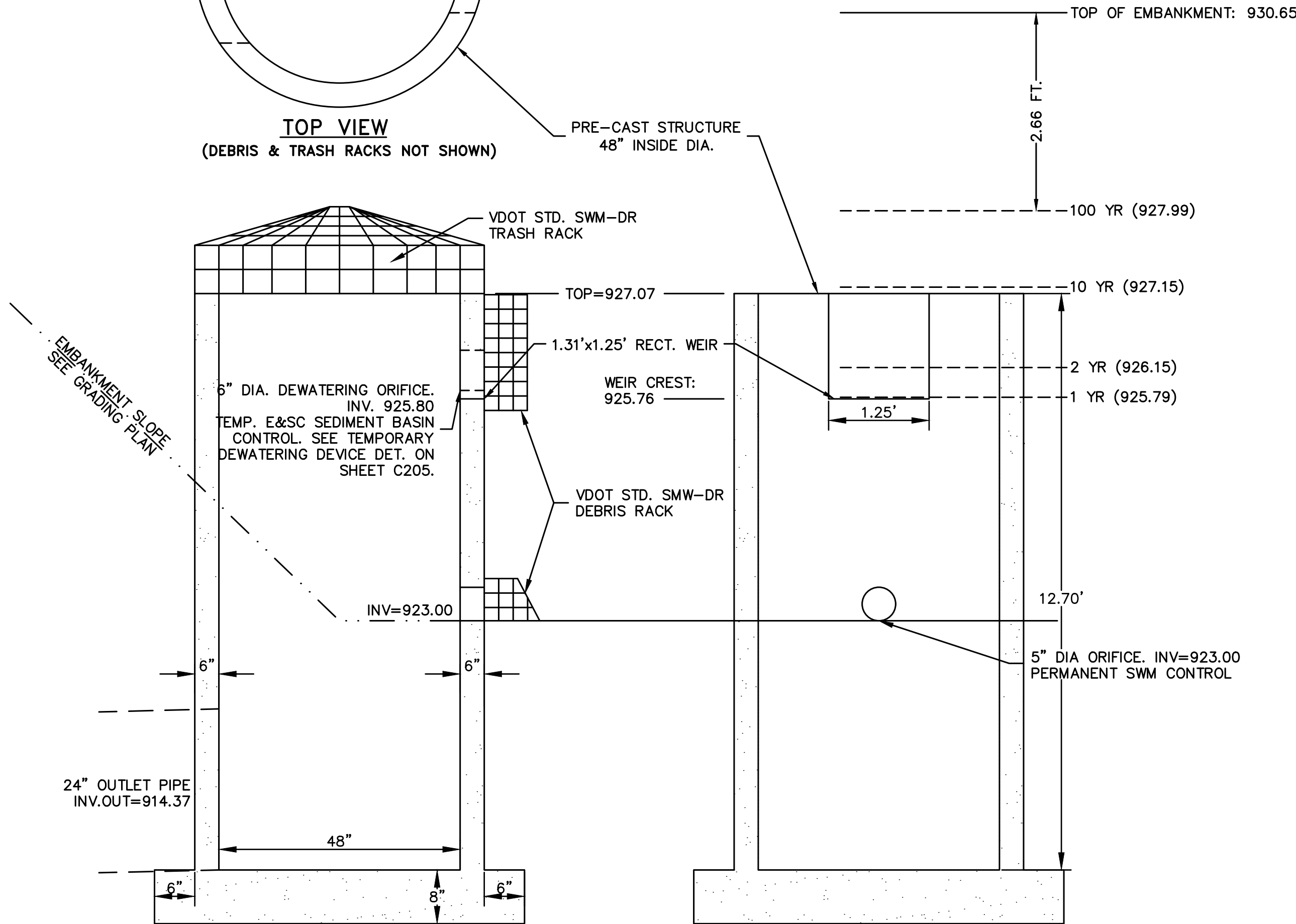
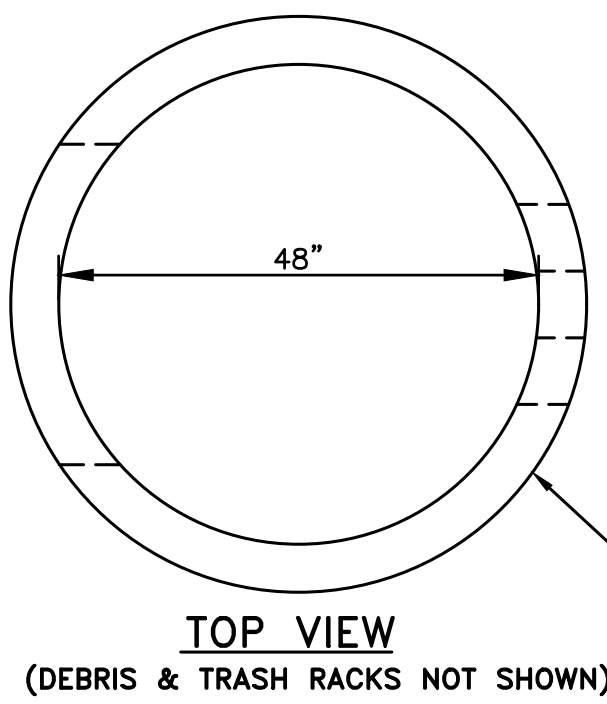
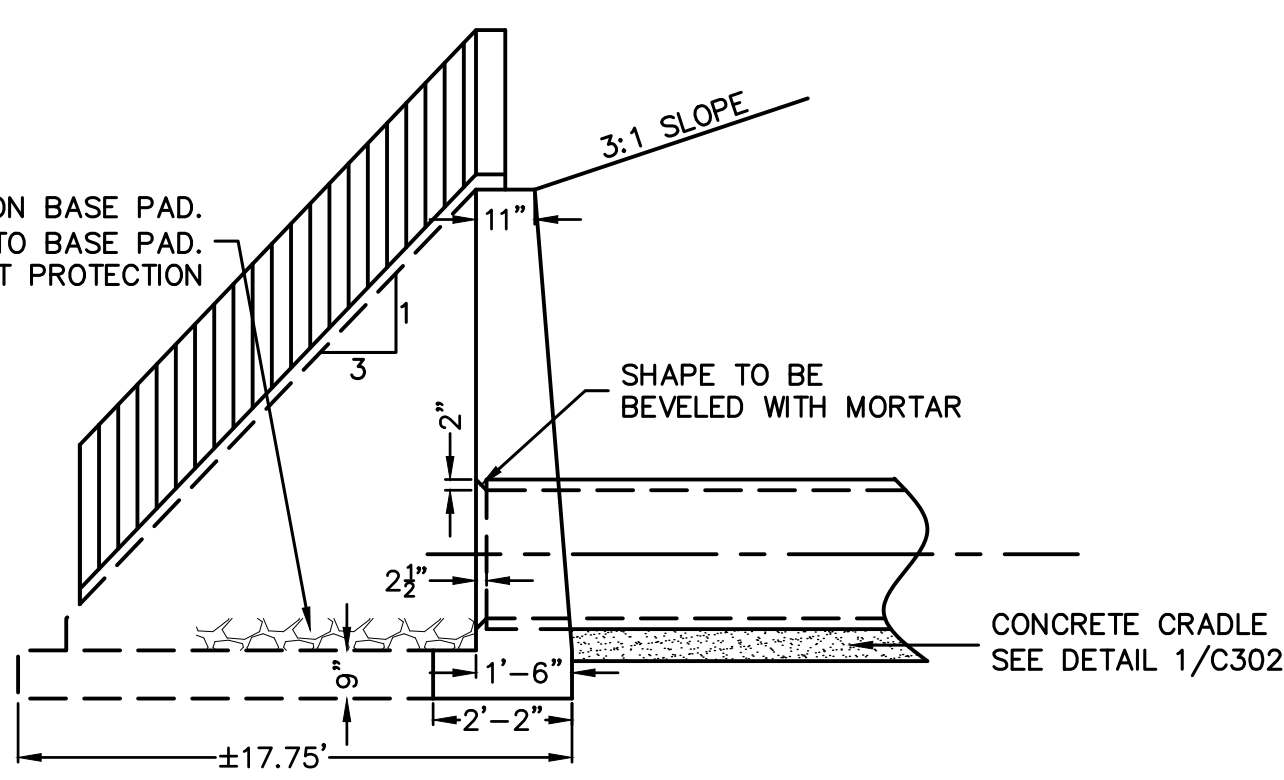
- CONCRETE SHALL BE CLASS A3 BUT NOT LESS THAN 6"
- IF THE PIPE IS LAID IN AN EXCAVATED TRENCH, THEN THE SIDE WALLS MAY CONFORM TO THE TRENCH SHAPE (IE THE TRENCH MAY BECOME THE CRADLE FORM).
- CONCRETE CRADLE IS TO BE INSTALLED UNDER THE ENTIRE LENGTH OF CULVERT AT EACH STORMWATER MANAGEMENT BASIN.
- CONCRETE CRADLE IS TO BE PAID FOR AS MISCELLANEOUS CONCRETE AND SUMMARIZED IN CUBIC YARDS FOR EACH PIPE LOCATION



VDOT STD HANDRAIL HR-1, TYPE II (MOD.): OMIT GRIPPING RAIL AND GROUNDING ELECTRODE. MOUNT RAIL DIRECTLY TO TOP OF ENDWALL AND WINGS USING 1/2" CONCRETE ANCHORS.



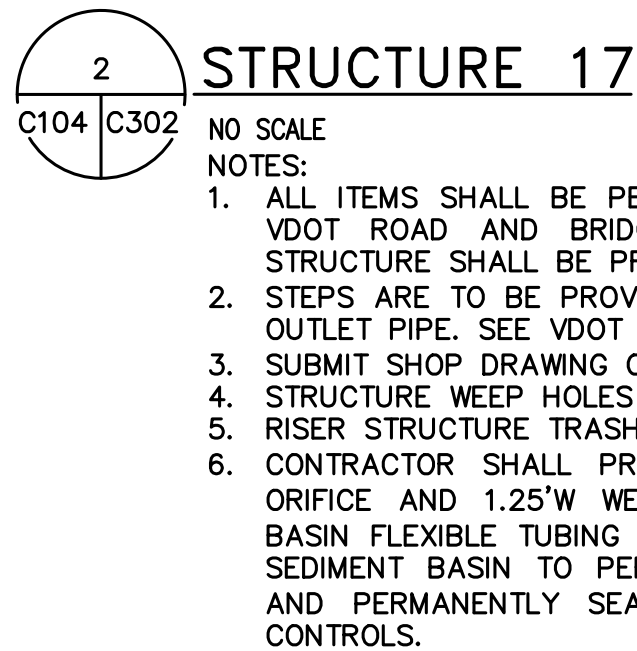
OUTLET PROTECTION STONE ON BASE PAD. EXTEND FILTER FABRIC 72" ONTO BASE PAD. SEE SHEET C203 FOR OUTLET PROTECTION



SIDE VIEW

FRONT VIEW

(DEBRIS & TRASH RACKS NOT SHOWN)



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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: JM CHECKED BY: MAR DRAWN BY: GAG

SHEET ISSUE DATE: 06.12.2026

PROJECT PHASE: BID DOCUMENTS

SHEET REVISIONS:

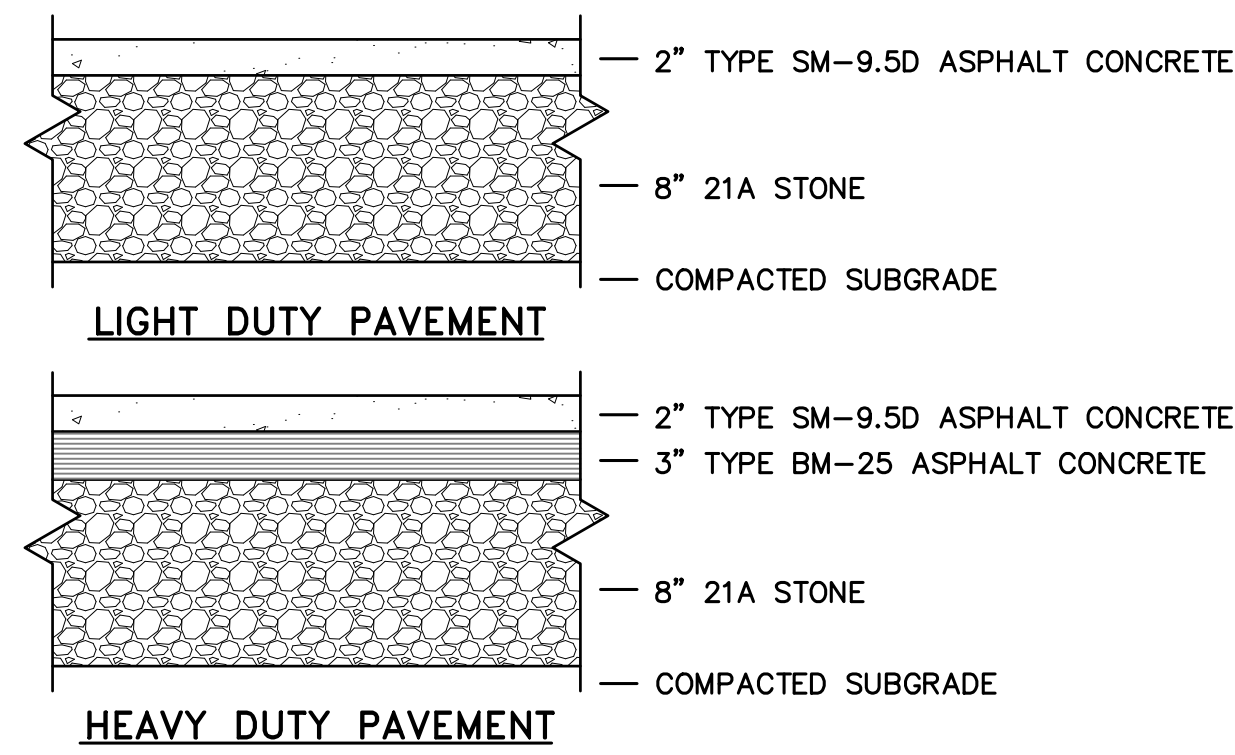
KEY PLAN:

SHEET NAME:

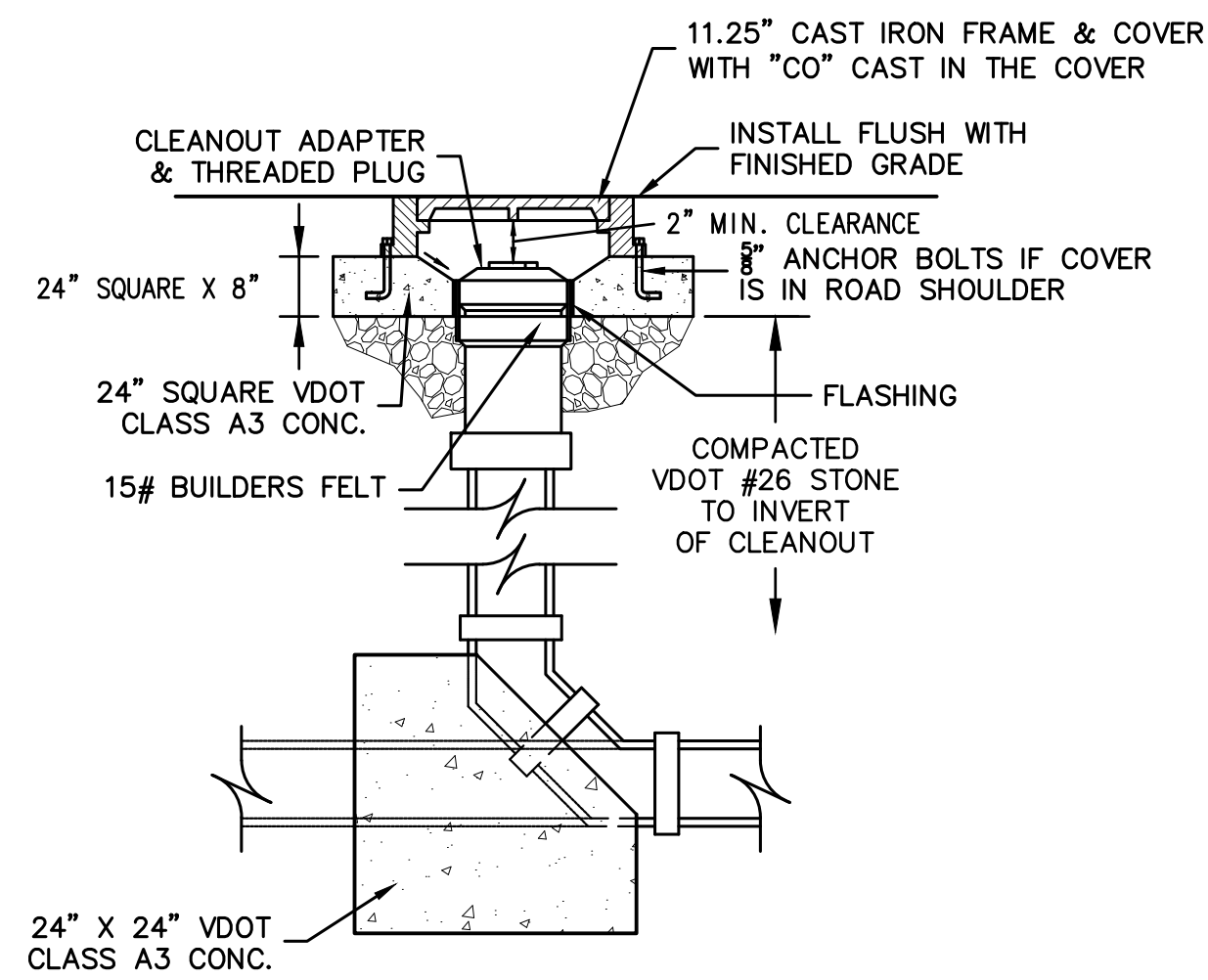
STORM SEWER DETAILS & STORMWATER MANAGEMENT PLAN

SHEET NUMBER:

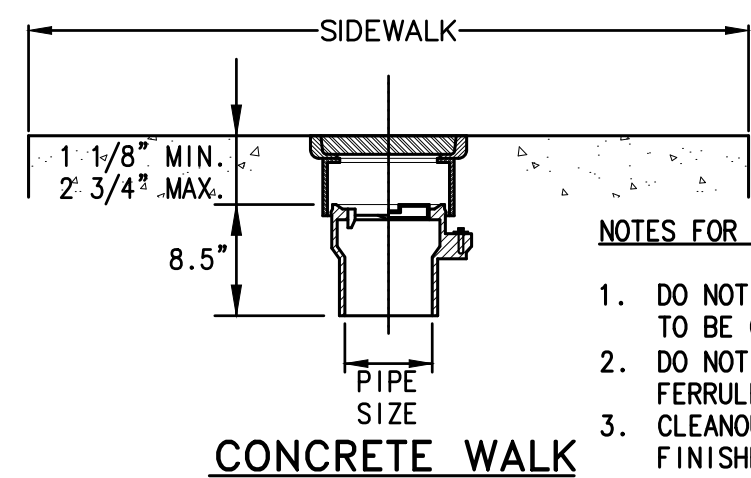
C302



1 PAVEMENT SECTIONS
C102 C501 NO SCALE



TRAFFIC BEARING OR GRASS



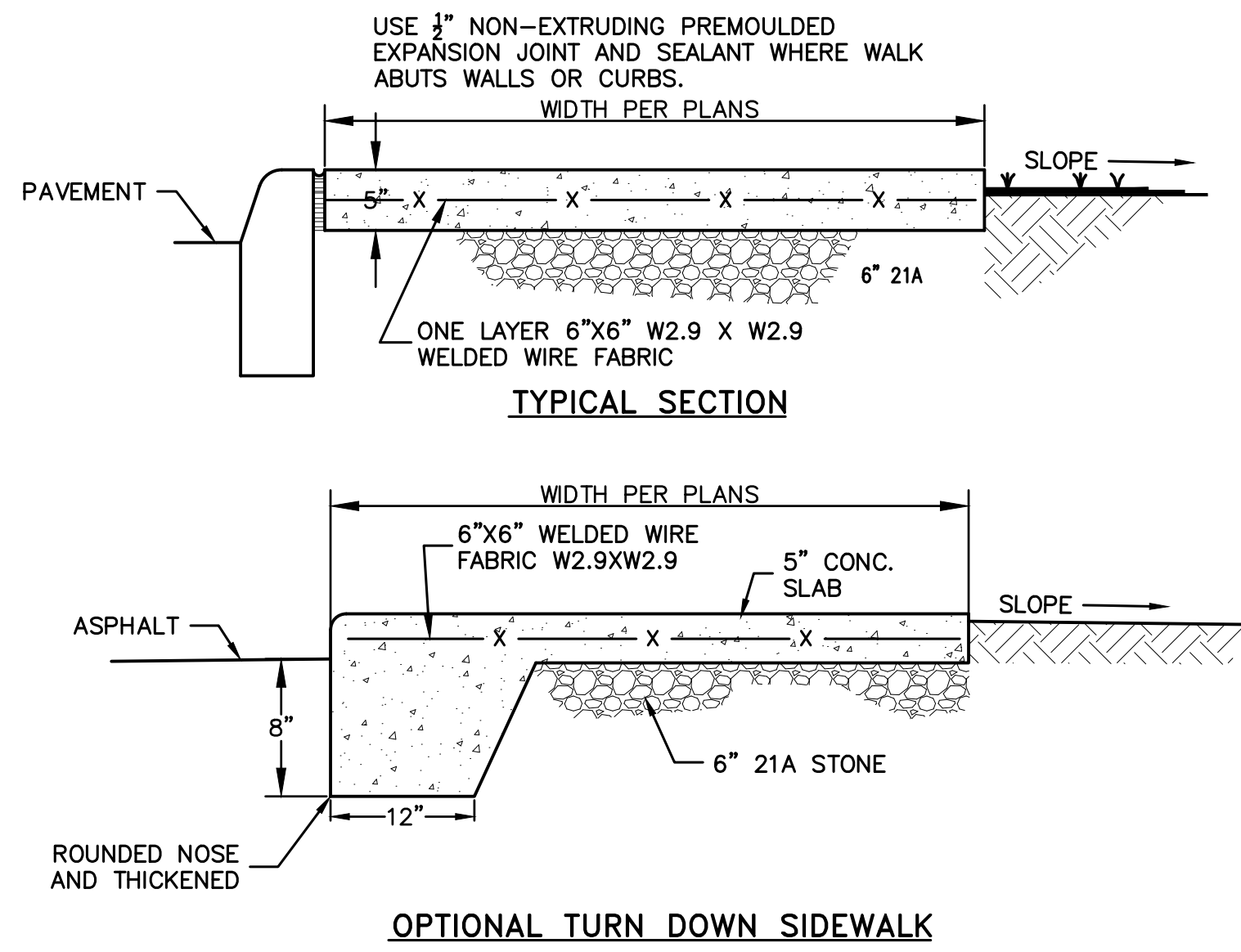
NOTES FOR SIDEWALK APPLICATIONS:

- DO NOT STRIKE SHAPE OF COLLAR WITHIN CONC. WALK, ALLOW WALK TO BE COLLAR.
- DO NOT STRIKE WALK JOINT THRU OR WITHIN 5" OF CLEANOUT FERRULE.
- CLEANOUT: CAST IRON WITH DUCTILE IRON TOP, MOUNT FLUSH WITH FINISHED GRADE.

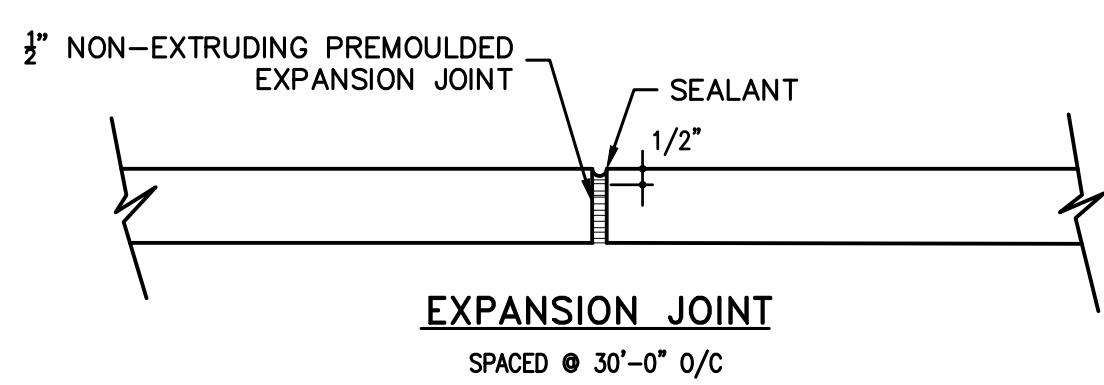
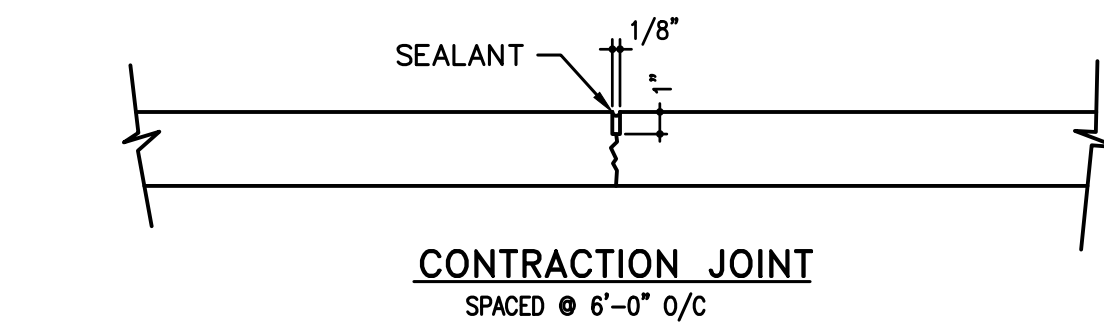
NOTES FOR PAVEMENT & GRASS APPLICATIONS:

- FOR INSTALLATION WITHIN EXISTING PAVEMENT, PATCH SHALL MATCH EXISTING PAVEMENT SECTION UNLESS PRIME AND SEAL THEN USE SM-9.5A PATCH (3" MIN.).
- PVC CLEANOUT WITH 11.25" TRAFFIC BEARING CLEANOUT FRAME AND COVER.

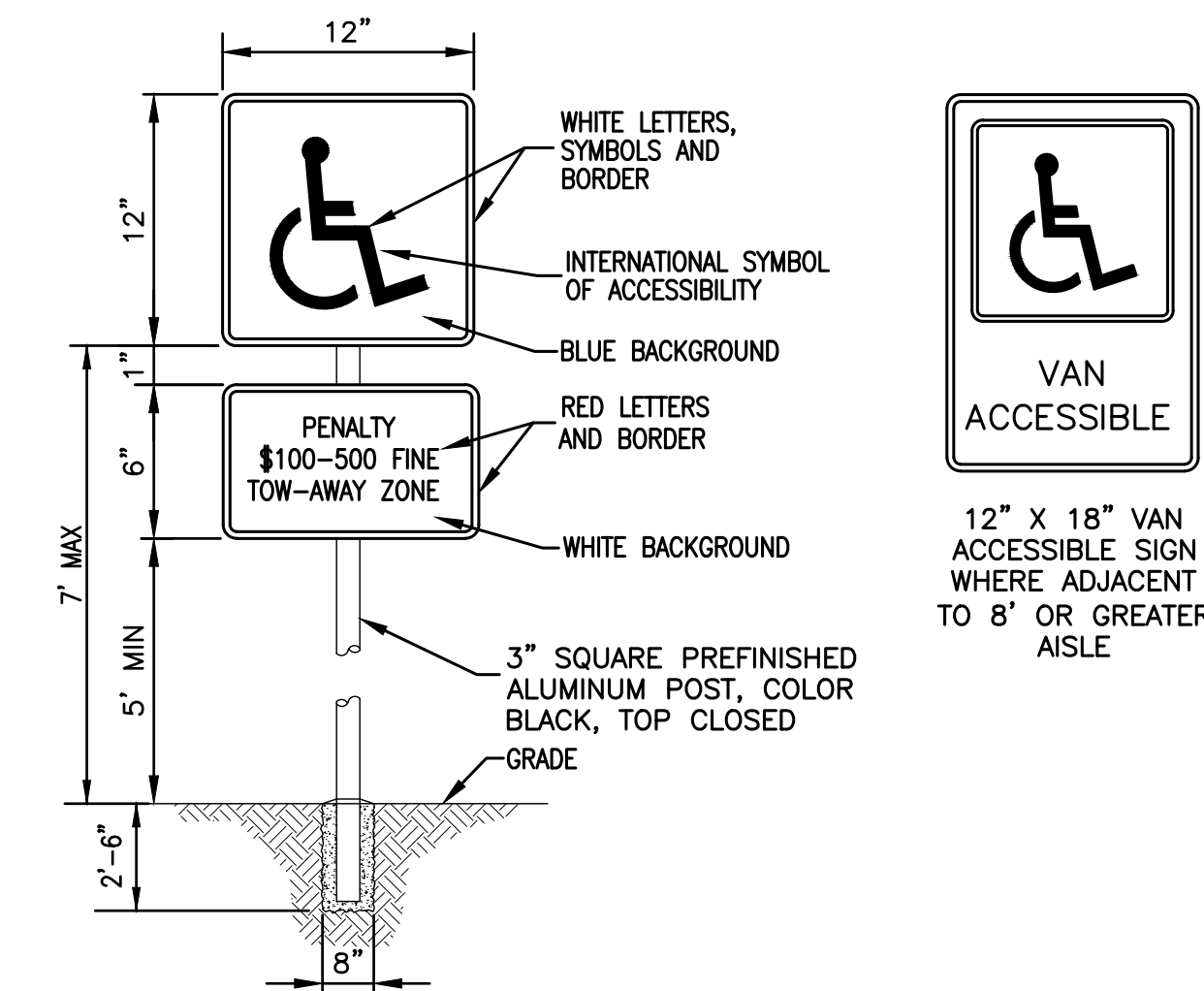
5 CLEANOUT DETAIL
C103 C501 NO SCALE



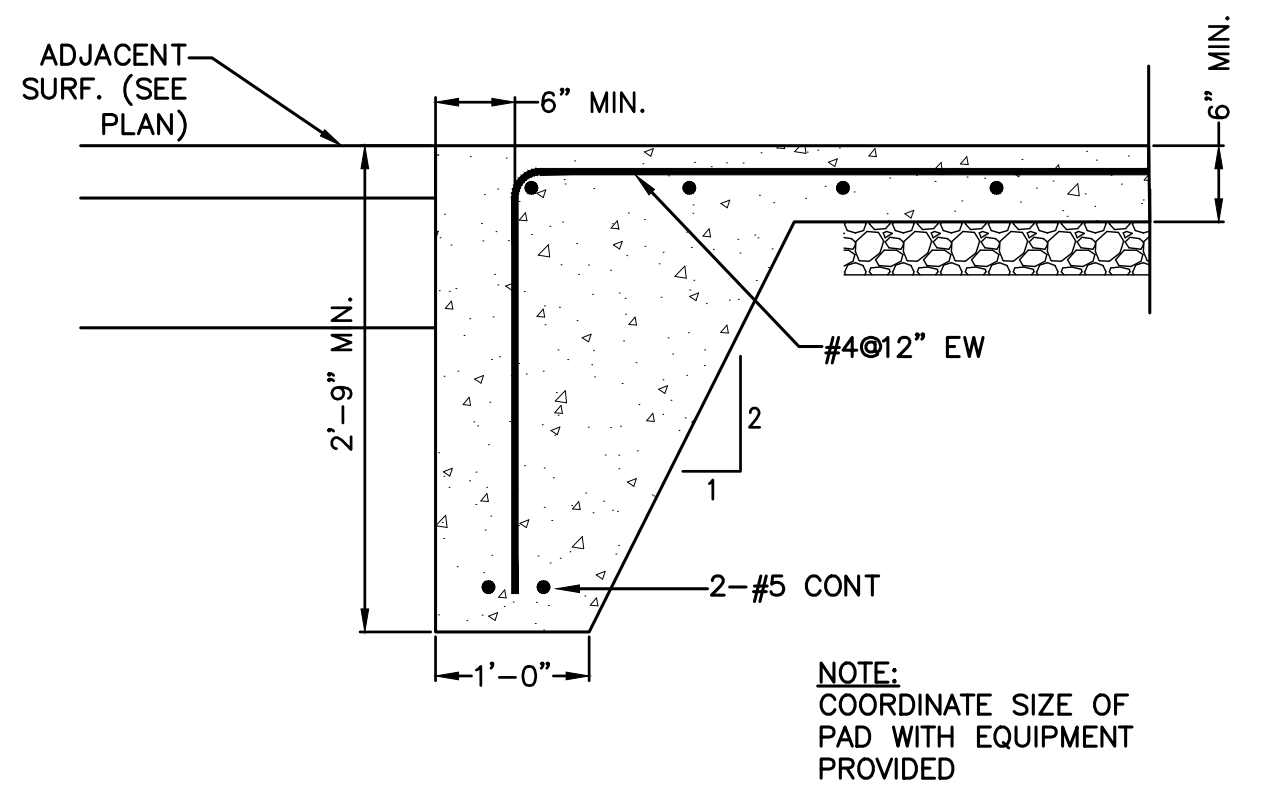
OPTIONAL TURN DOWN SIDEWALK



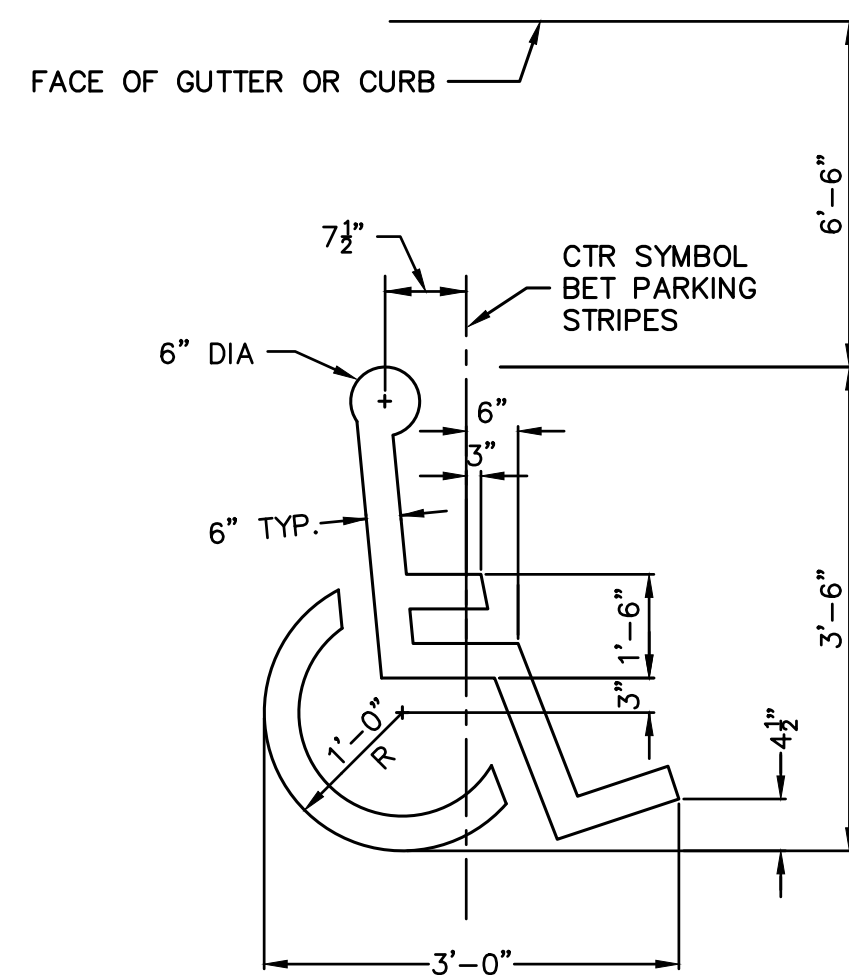
2 SIDEWALK DETAILS
C102 C501 NOT TO SCALE



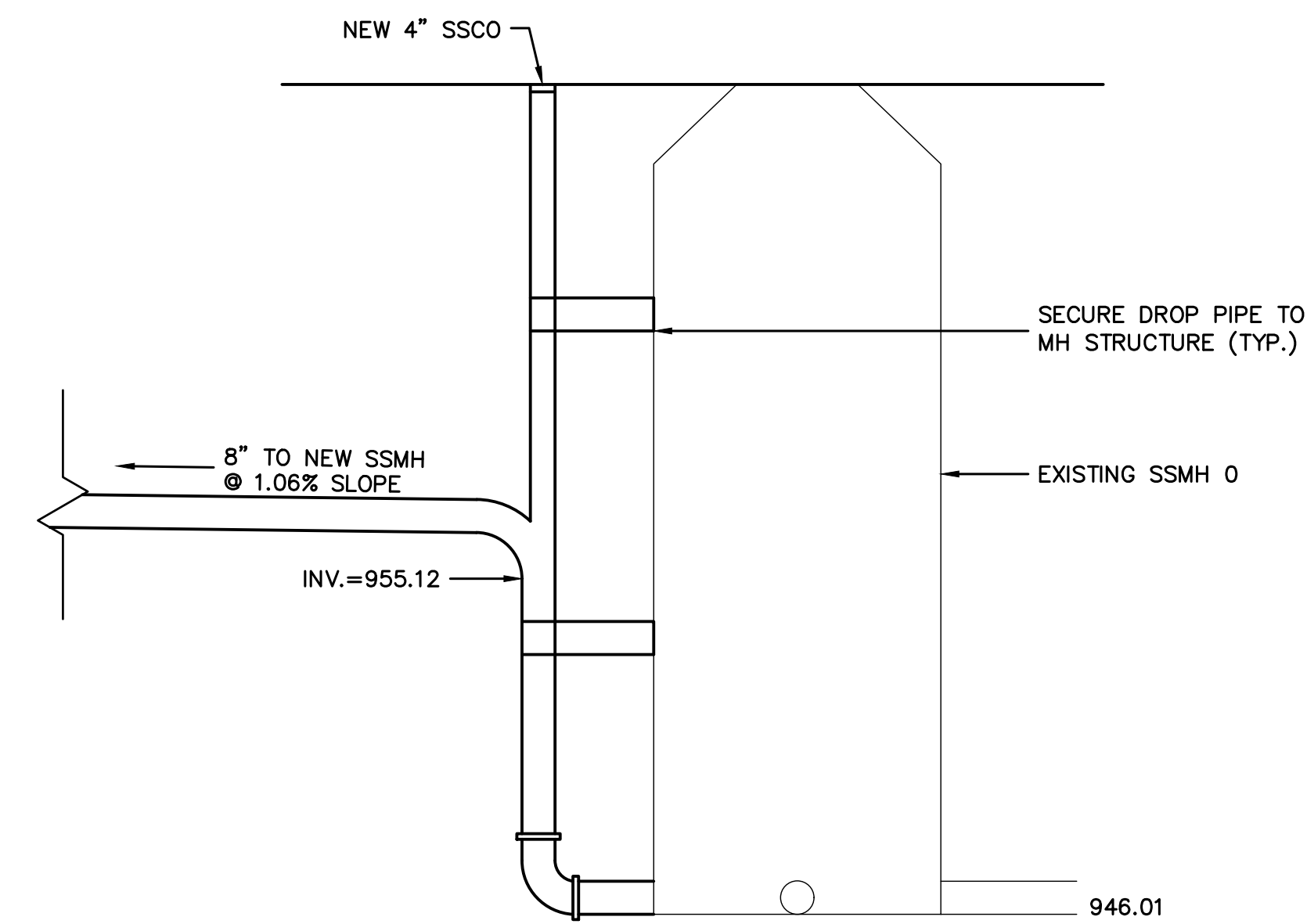
6 HANDICAPPED PARKING SIGN
C105 C501 NO SCALE



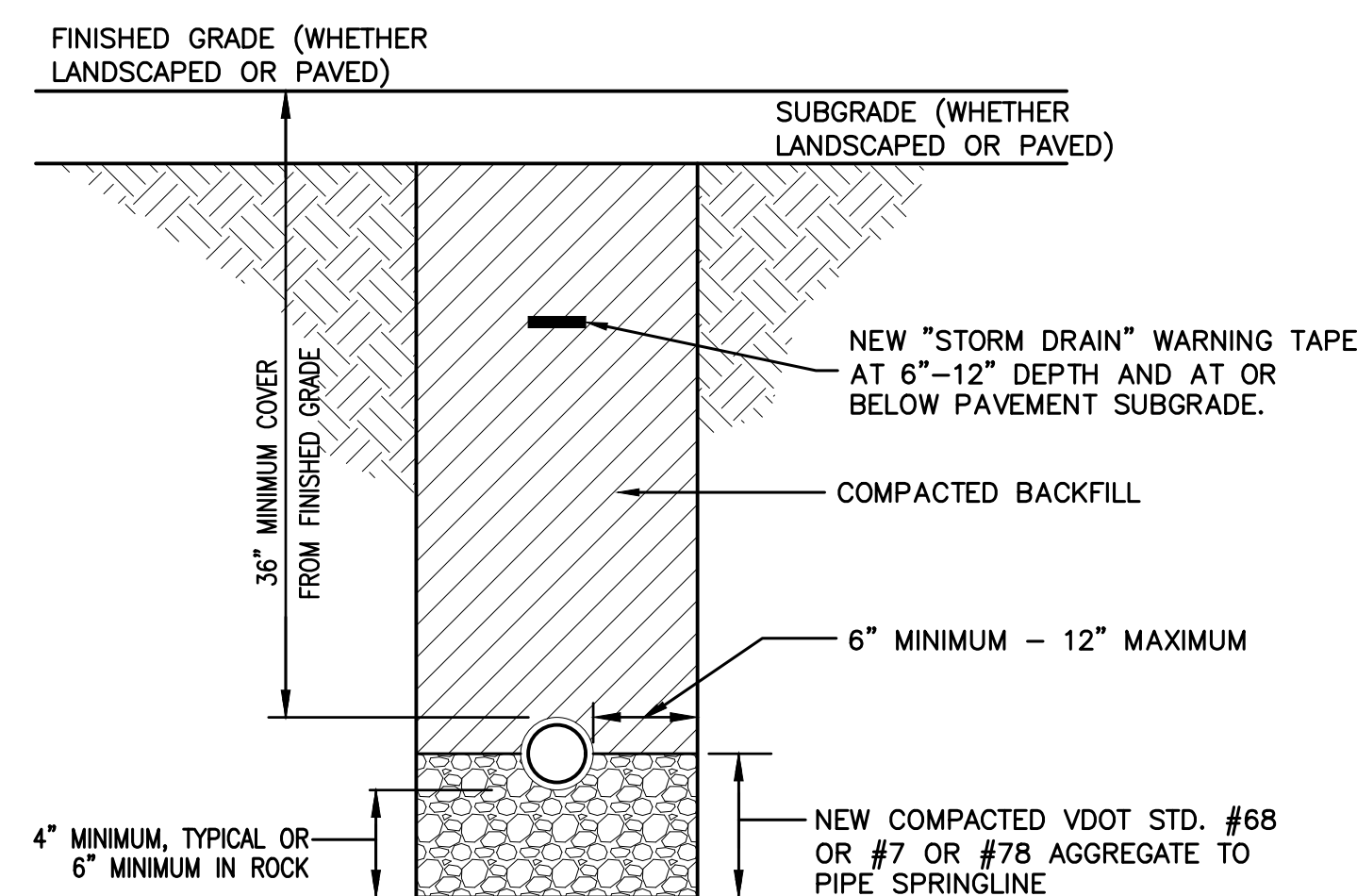
4 TYPICAL EQUIPMENT PAD
C102 C501 NO SCALE APPLICABLE ONLY WHERE NOT SPECIFIED ELSEWHERE



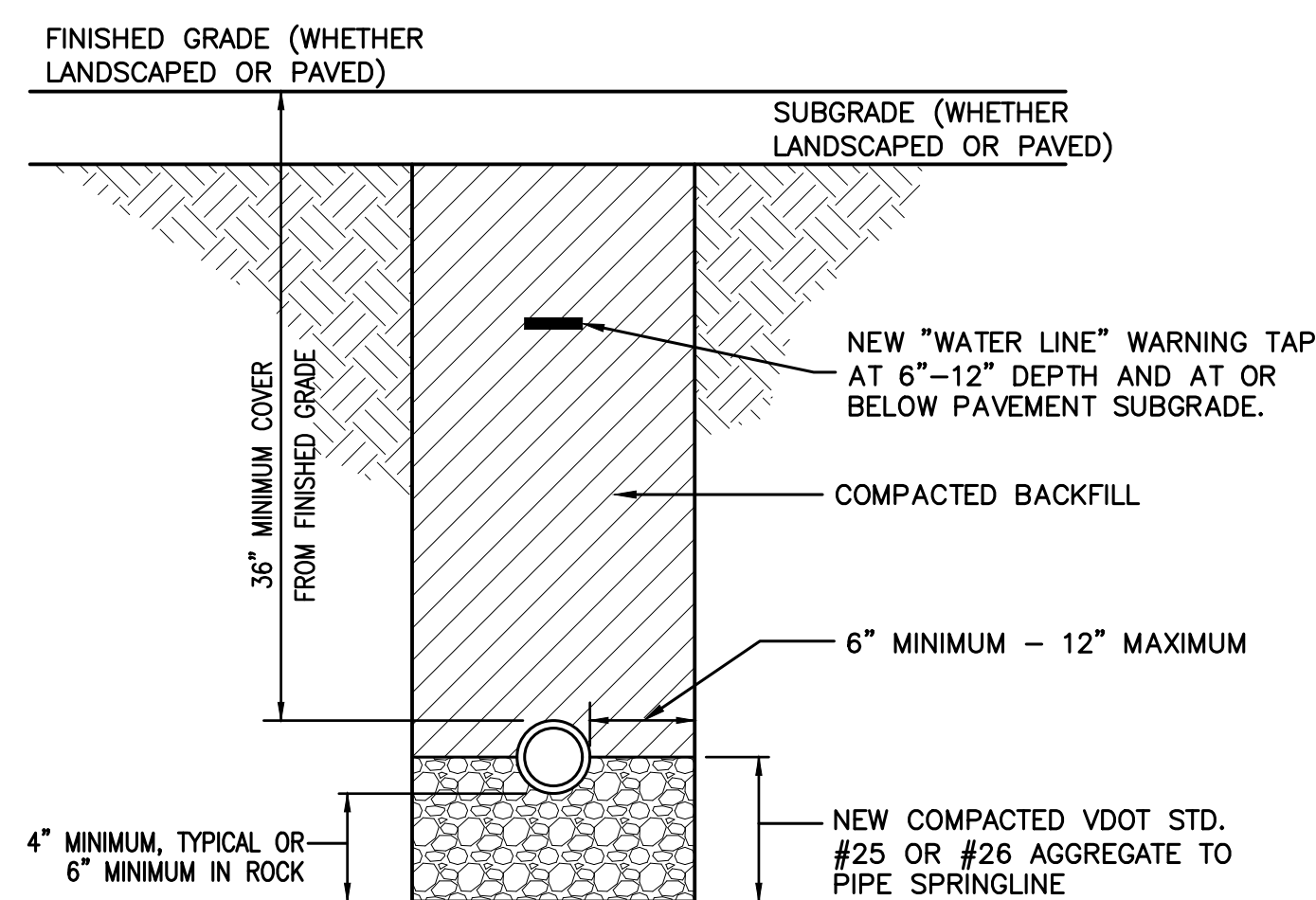
7 HANDICAPPED SYMBOL
C105 C501 NO SCALE



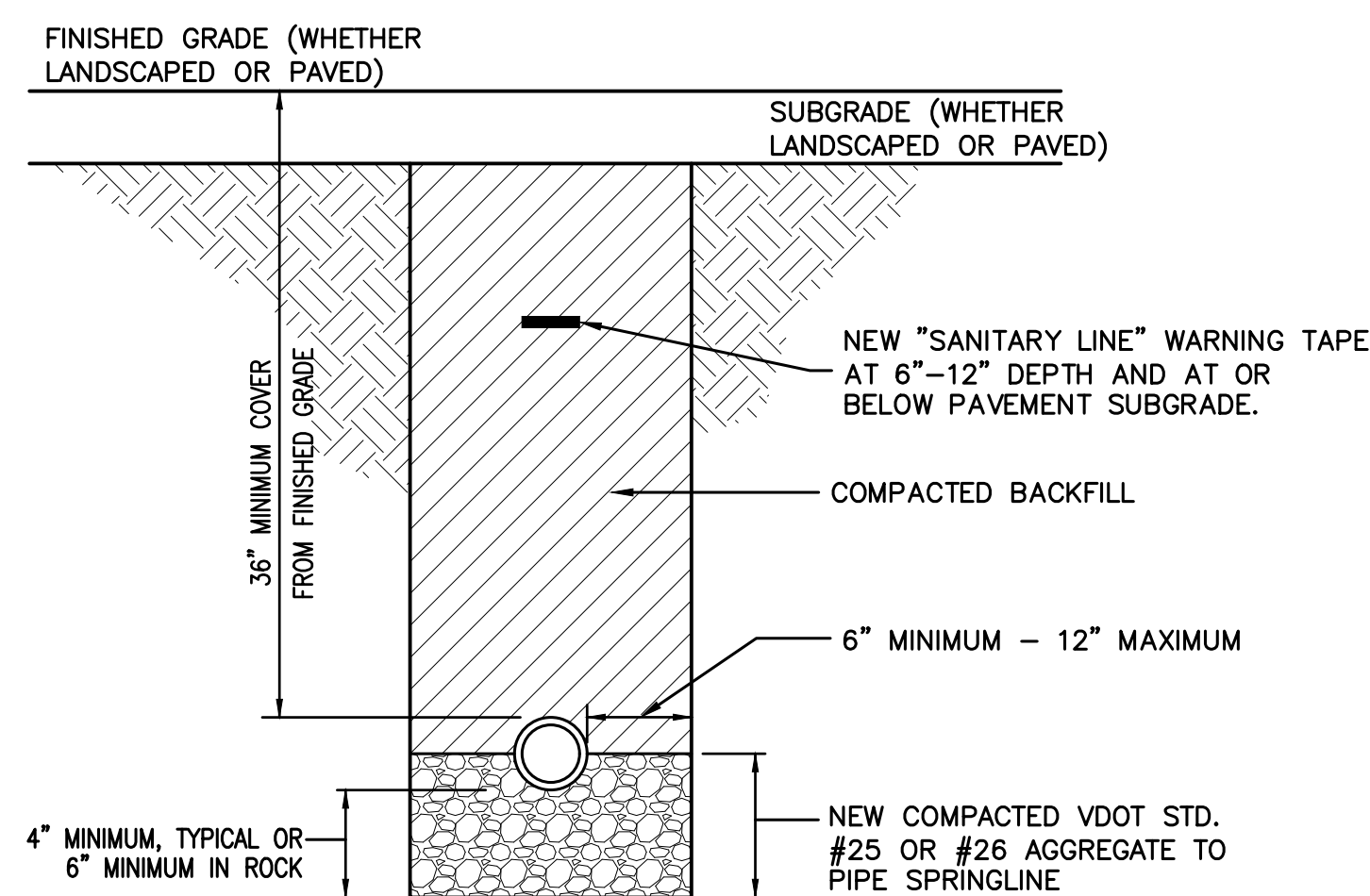
9 OUTSIDE DROP AT EXISTING SSMH 0
C103 C501 NO SCALE



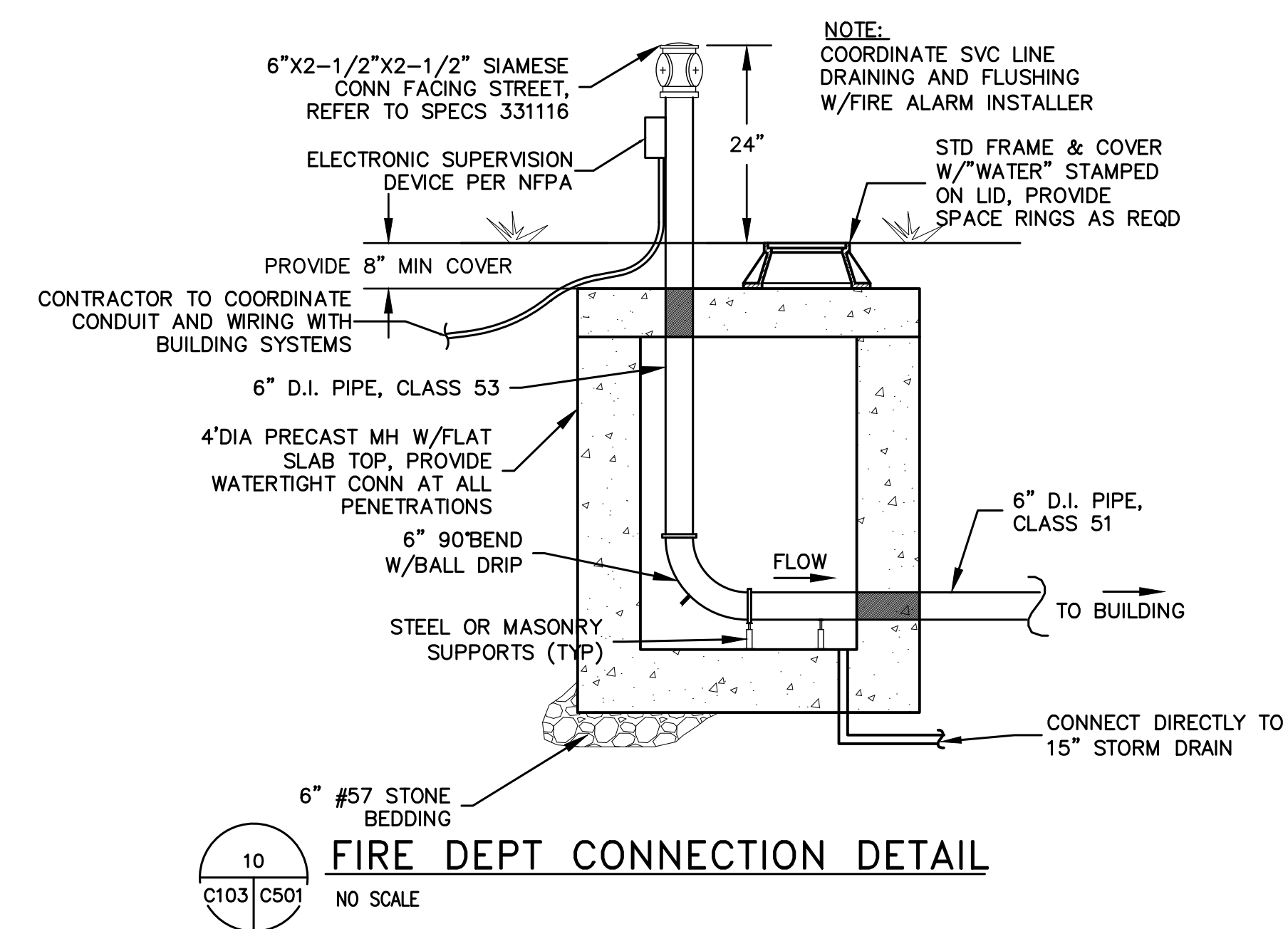
NEW STORM LINE TRENCH SECTION



NEW WATER LINE TRENCH SECTION

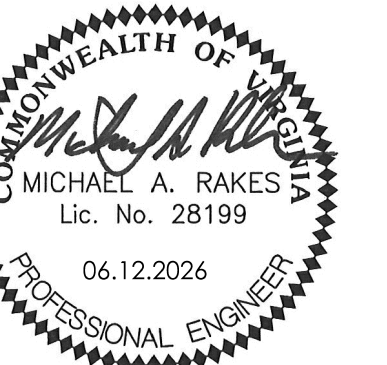


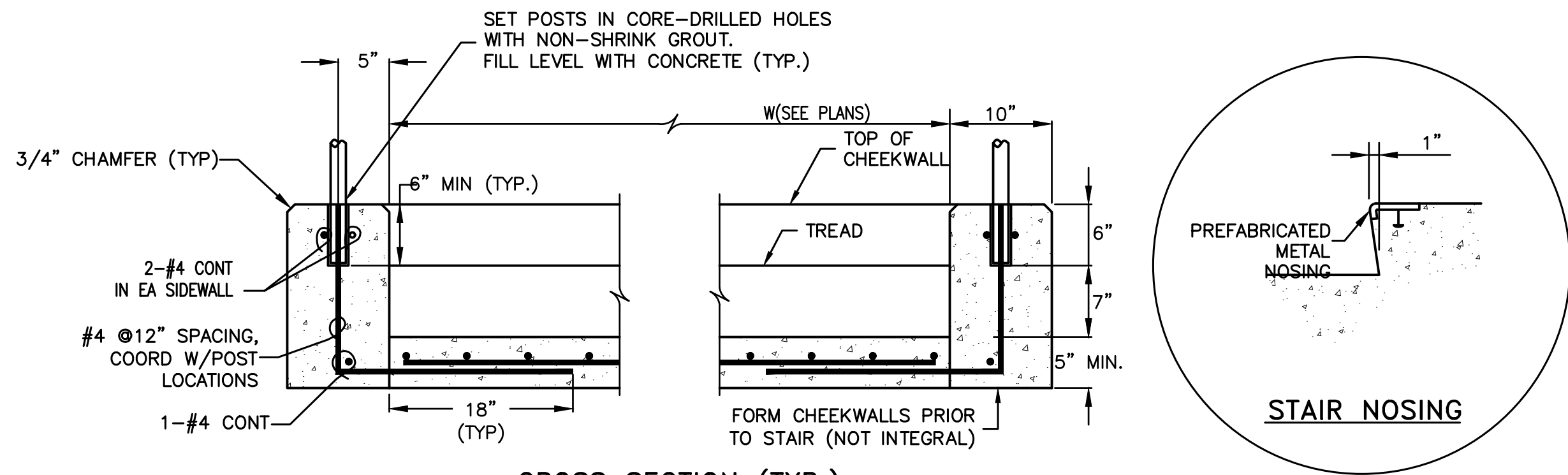
NEW SANITARY LINE TRENCH SECTION



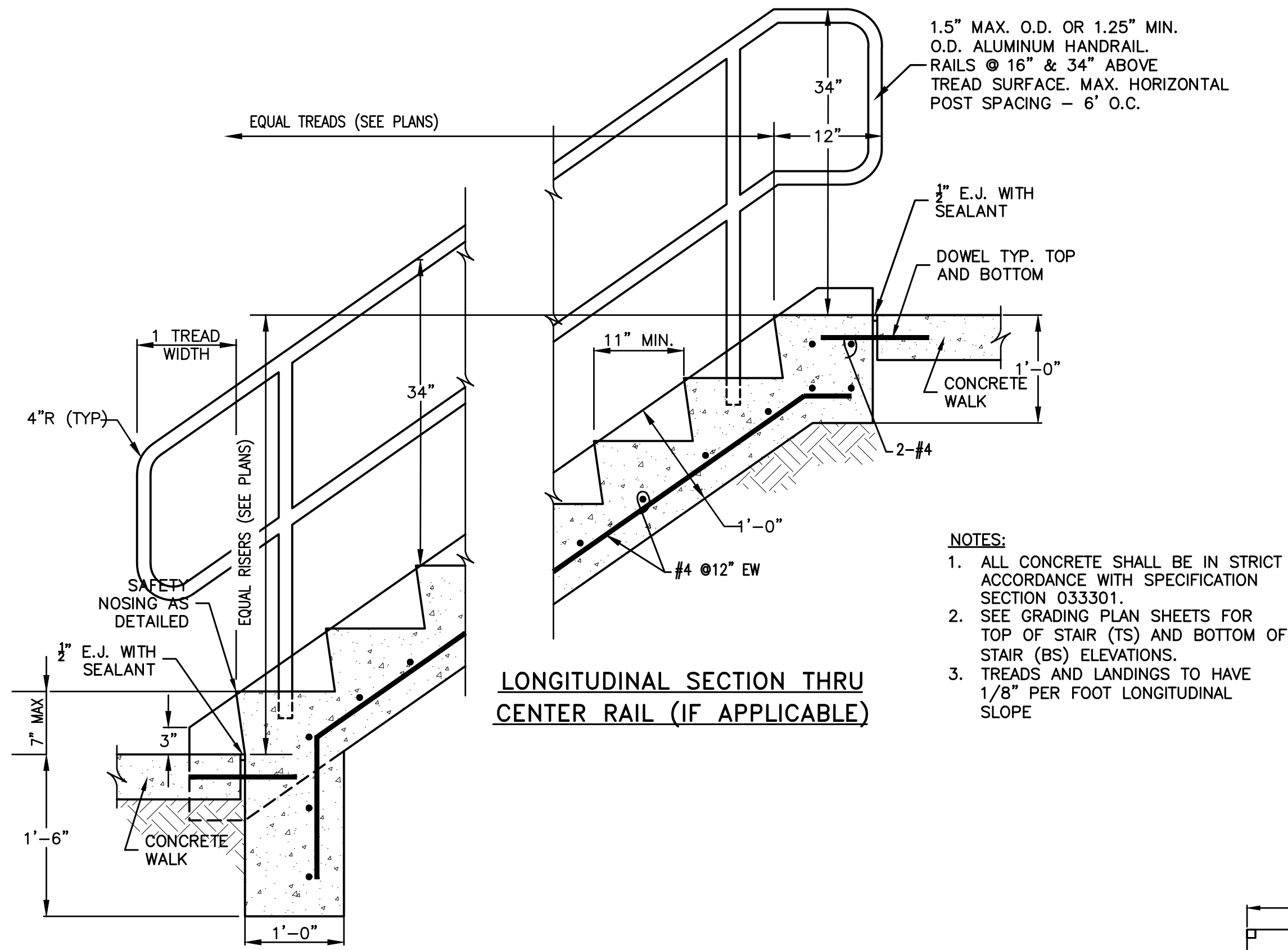
10 FIRE DEPT CONNECTION DETAIL
C103 C501 NO SCALE

8 UTILITY TRENCH SECTIONS
C103 C501 NO SCALE UNLESS DEFINED ELSEWHERE BY SPECS (BOUND OR ON PLAN SHEETS), BACKFILL AND SELECT BACKFILL SHALL BE AS APPROVED BY THE GEOTECHNICAL ENGINEER.



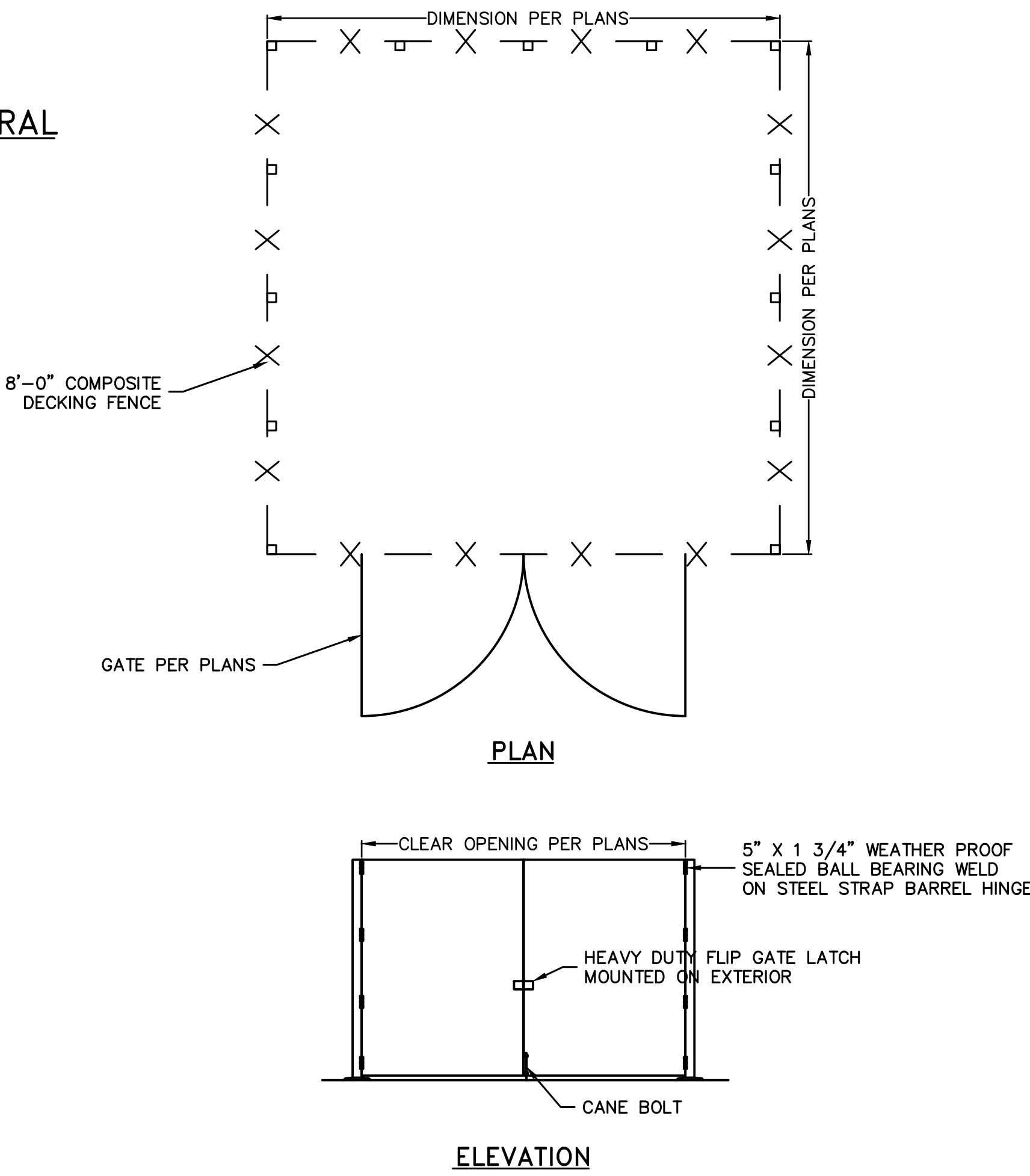


CROSS SECTION (TYP.)



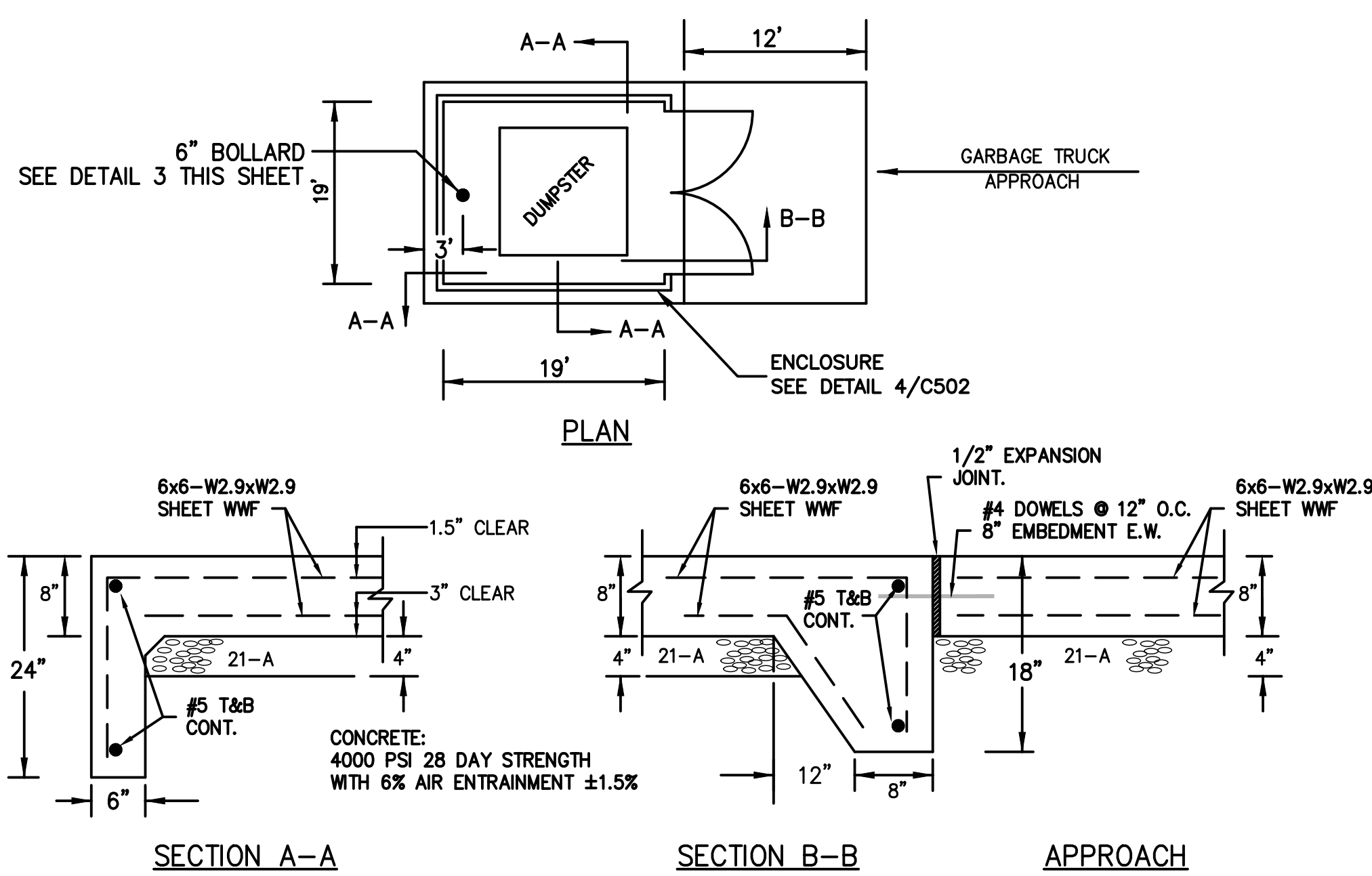
LONGITUDINAL SECTION THRU CENTER RAIL (IF APPLICABLE)

1 TYPICAL EXTERIOR CONCRETE STAIR STRUCTURAL
C102 C502 NO SCALE



PLAN

ELEVATION



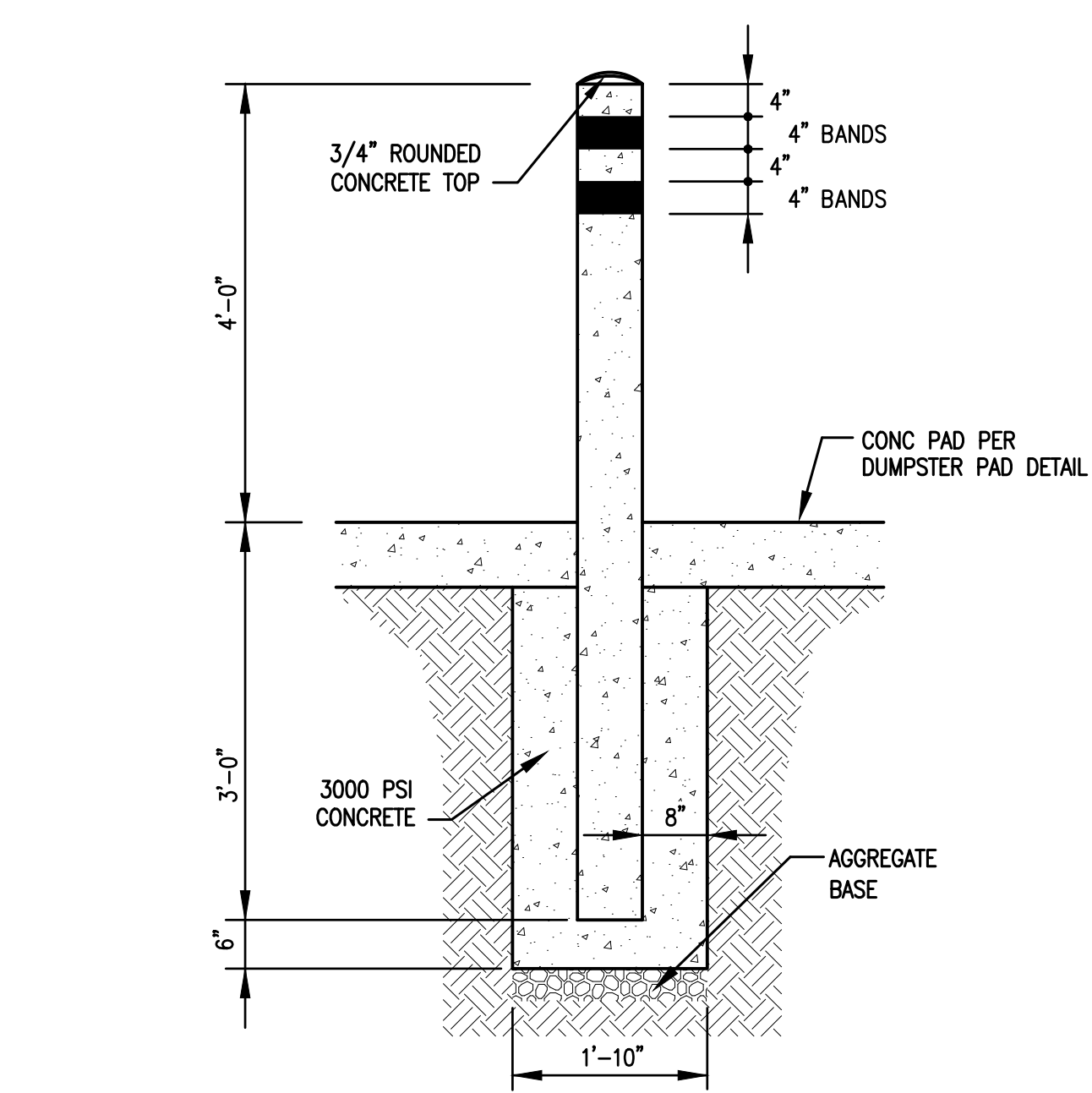
PLAN

SECTION A-A

SECTION B-B

APPROACH

2 DUMPSTER PAD AND ENCLOSURE DETAIL
C102 C502 NO SCALE



3 DUMPSTER BOLLARD DETAIL (6" DIA)
C502 C502 NO SCALE

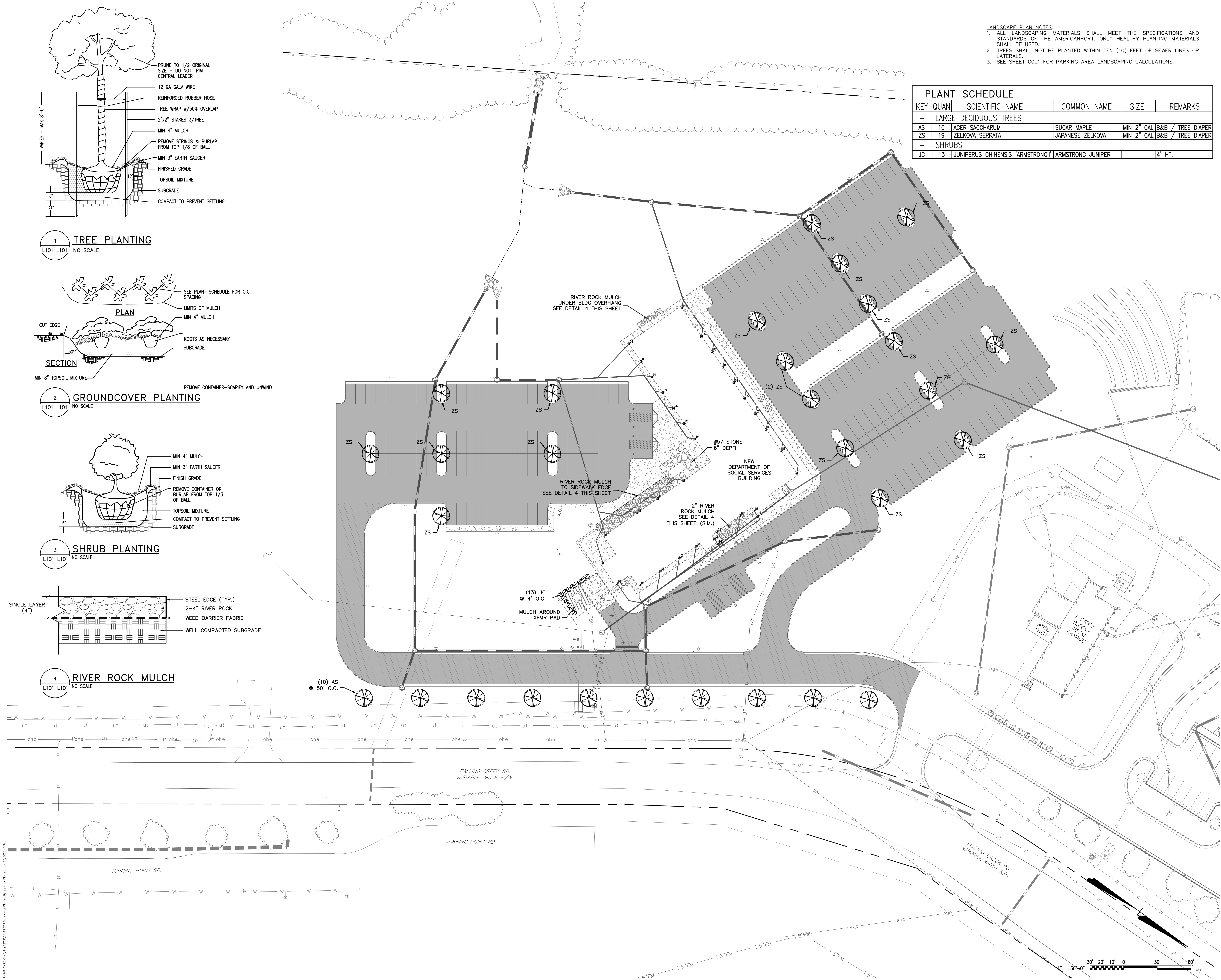
NOTE:
6" DIAMETER SCH 40 STEEL PIPE BOLLARD FILLED WITH 3000 PSI CONCRETE. PAINT WITH RUST PROHIBITIVE PRIMER AND ENAMEL (DARK GREEN W/(2) 4" INTERNATIONAL YELLOW BANDS).

STRUCTURAL GENERAL NOTES:

- DESIGN TO COMPLY WITH VIRGINIA STATEWIDE BUILDING CODE (VUSBC) 2021 AND INTERNATIONAL BUILDING CODE (IBC) 2021.
- DESIGN CRITERIA:
 - UNLESS NOTED OTHERWISE, ALL DESIGN LOADS ARE BASED ON THE FOLLOWING DATA IN ACCORDANCE WITH THE VUSBC.
 - RISK CATEGORY I
 - WIND LOADS
 - ULTIMATE DESIGN WIND SPEED= $V_{ult}=115$ MPH
 - NOMINAL DESIGN WIND SPEED= $V_{nom}=V_{ult}*0.775=90$ MPH
 - EXPOSURE CATEGORY B
 - INTERNAL PRESSURE COEFFICIENT, $C_{pi}=\pm 0.18$
 - THE DESIGN WIND PRESSURE FOR EXTERIOR COMPONENTS AND CLADDING SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7-10.
 - SOIL BEARING CAPACITY:
 - THE STRUCTURE HAS BEEN DESIGNED USING THE FOLLOWING ASSUMED VALUES:
 - ALLOWABLE NET SOIL BEARING PRESSURE: 2000 PSF
 - MAXIMUM TOE SOIL BEARING PRESSURE: 2500 PSF
 - BACKFILL SOIL UNIT WEIGHT: 120 PCF
 - COEFFICIENT OF EARTH PRESSURE AT REST: 0.60
 - COEFFICIENT OF PASSIVE EARTH PRESSURE: 2.5
 - COEFFICIENT OF ACTIVE EARTH PRESSURE: 0.40
 - SLIDING COEFFICIENT OF FRICTION: 0.3
 - THE OWNER SHALL RETAIN A TESTING AGENCY STAFFED WITH A QUALIFIED GEOTECHNICAL ENGINEER LICENSED IN THE COMMONWEALTH OF VIRGINIA TO INSPECT AND APPROVE THE SUBGRADE INCLUDING FILL AND BACKFILL MATERIALS AND OPERATIONS.
 - NO FOUNDATION CONCRETE SHALL BE INSTALLED UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES.
 - ALL CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITIONS OF ACI 318 AND ACI 301.
 - CONCRETE SHALL BE NORMAL WEIGHT WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH (F'C) OF 3000 PSI. PROVIDE 6% +/- 1% AIR.
 - ALL THE DESIGN DETAILING, FABRICATION, AND ERECTION OF ALL STRUCTURAL STEEL SHALL CONFORM TO AISC 360-10 AND AWS D1.1.
 - STRUCTURAL STEEL HSS SHALL BE ASTM A500 GRADE C, FY=50 KSI.
 - STRUCTURAL STEEL PLATES AND ANGLES SHALL BE ASTM A36, FY=36 KSI.
 - ALL STEEL SHALL BE HOT DIP GALVANIZED AND PAINTED AFTER FABRICATION.
 - DO NOT ALTER STEEL MEMBERS AND ASSEMBLIES IN THE FIELD WITHOUT APPROVAL OF THE ARCHITECT.
 - NO CHANGE IN SIZE OR POSITION OF ANY STRUCTURAL ELEMENT SHALL BE MADE UNLESS DETAILED AND NOTED AS A PROPOSED CHANGE ON THE SHOP DRAWINGS AND REVIEWED AND APPROVED BY THE ARCHITECT.
 - ALL WELDING SHALL BE IN STRICT ACCORDANCE WITH AWS D1.1. ELECTRODES SHALL BE 70XX. PROVIDE 3/16" FILLET WELDS UNLESS NOTED OTHERWISE.
 - SIMPSON STRONG TIE TITEN HD SCREW ANCHORS ARE THE BASIS OF DESIGN. OTHER MANUFACTURER'S PRODUCTS MAY BE SUBSTITUTED SUBJECT TO REVIEW AND APPROVAL IF THEY HAVE AN ICC-ES APPROVAL AND THEIR PUBLISHED ALLOWABLE LOAD CAPACITY (FACTOR OF SAFETY OF 4) AND CORROSION RESISTANT FINISH IS EQUAL OR GREATER THAN THE ANCHOR SPECIFIED. INSTALL ALL ANCHORS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
 - SUBMIT SHOP DRAWINGS FOR APPROVAL FOR CONCRETE MIX DESIGN, STEEL SHOP DRAWINGS, AND SCREW ANCHORS.

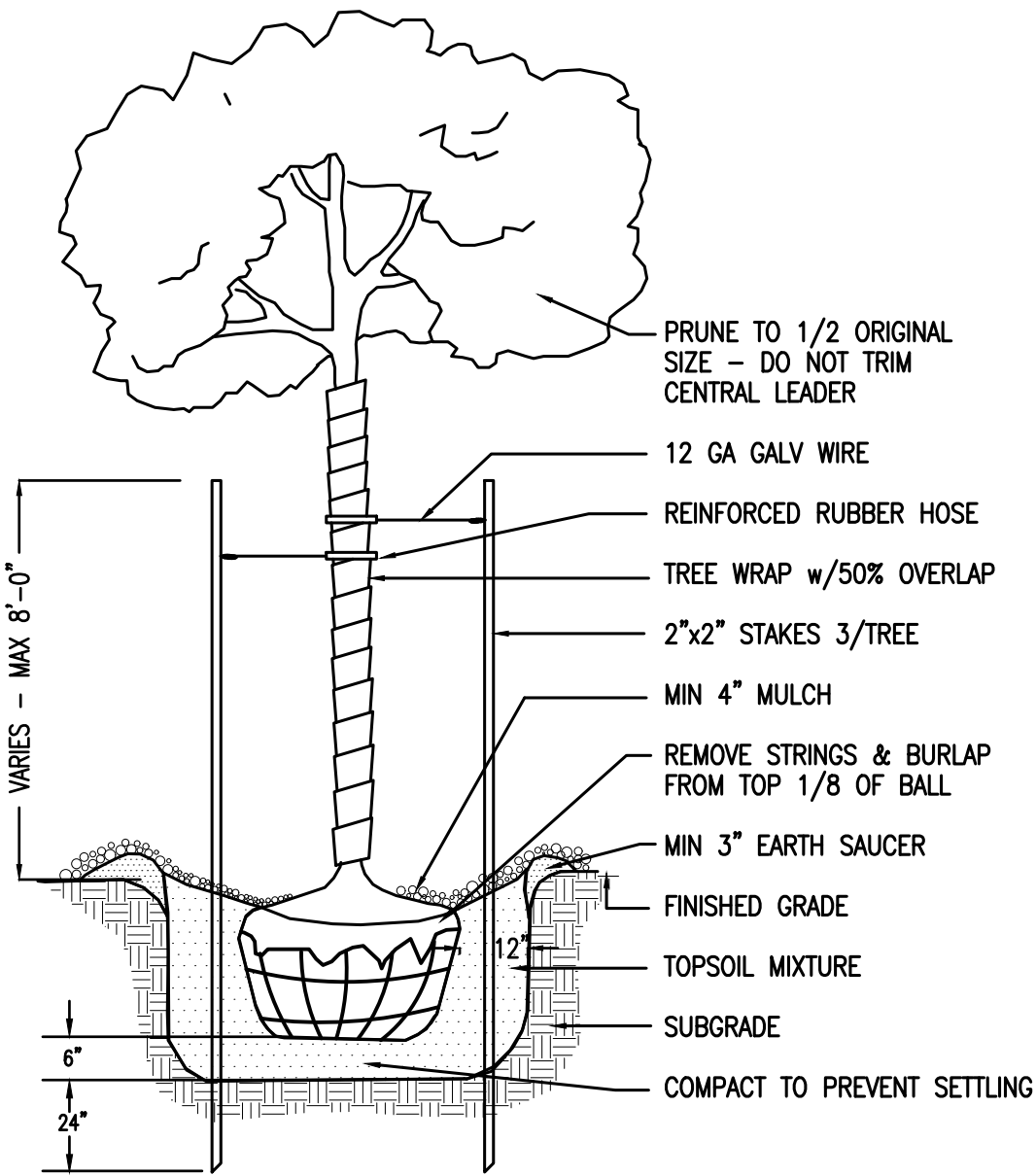
4 ENCLOSURE DETAILS
C502 C502 NO SCALE



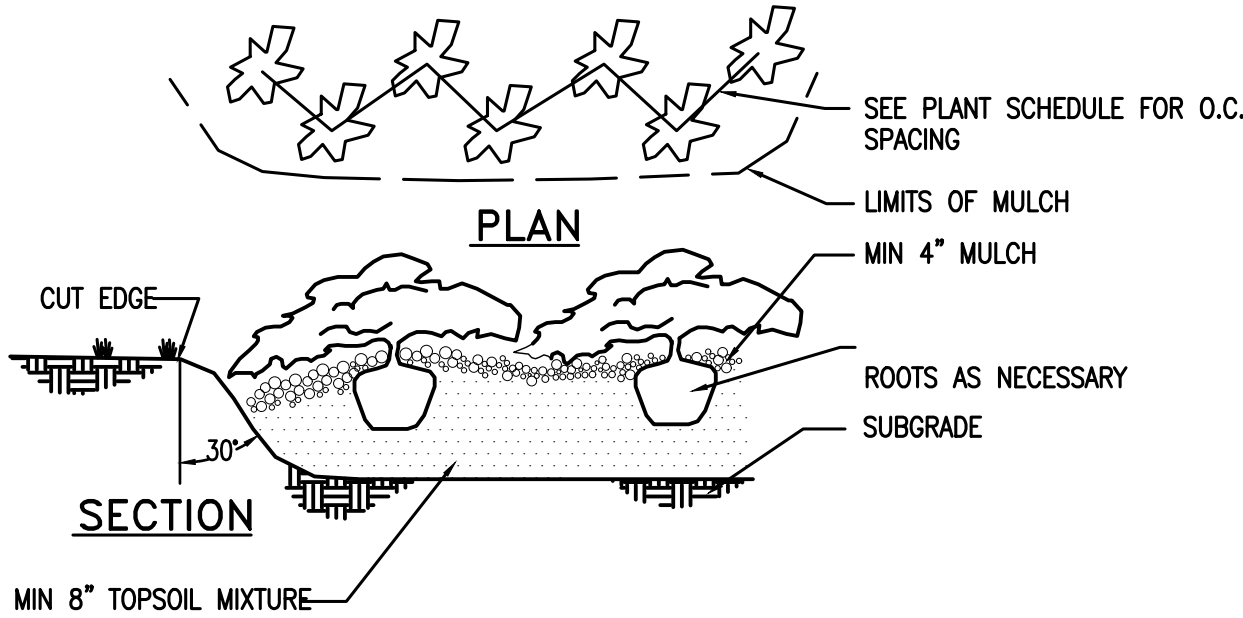


- LANDSCAPE PLAN NOTES:
1. ALL LANDSCAPING MATERIALS SHALL MEET THE SPECIFICATIONS AND STANDARDS OF THE AMERICANHORT. ONLY HEALTHY PLANTING MATERIALS SHALL BE USED.
 2. TREES SHALL NOT BE PLANTED WITHIN TEN (10) FEET OF SEWER LINES OR LATERALS.
 3. SEE SHEET C001 FOR PARKING AREA LANDSCAPING CALCULATIONS.

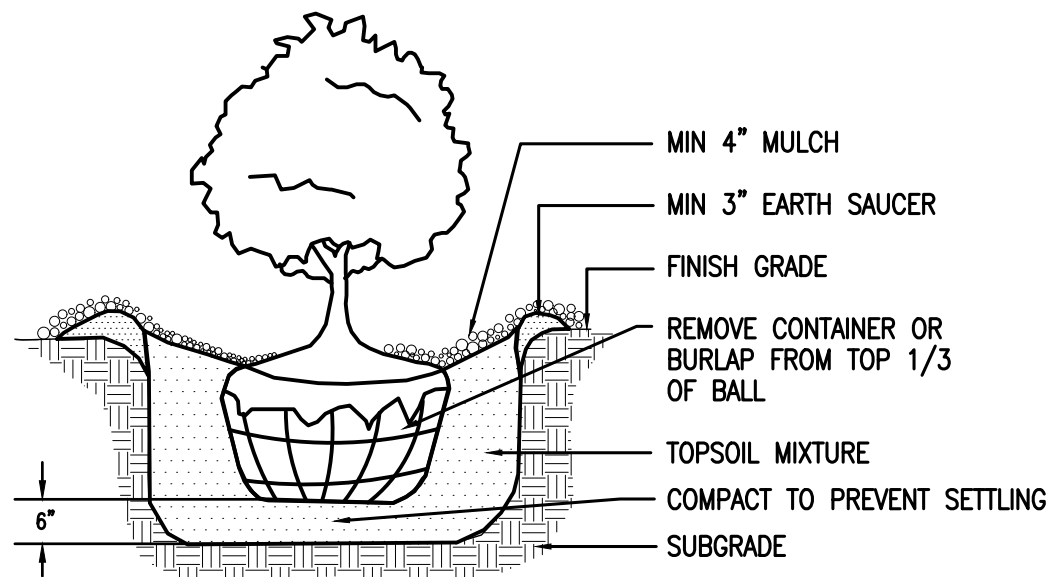
PLANT SCHEDULE					
KEY	QUAN	SCIENTIFIC NAME	COMMON NAME	SIZE	REMARKS
- LARGE DECIDUOUS TREES					
AS	10	ACER SACCHARUM	SUGAR MAPLE	MIN 2" CAL	B&B / TREE DIAPER
ZS	19	ZELKOVA SERRATA	JAPANESE ZELKOVA	MIN 2" CAL	B&B / TREE DIAPER
- SHRUBS					
JC	13	JUNIPERUS CHINENSIS 'ARMSTRONGII'	ARMSTRONG JUNIPER		4' HT.



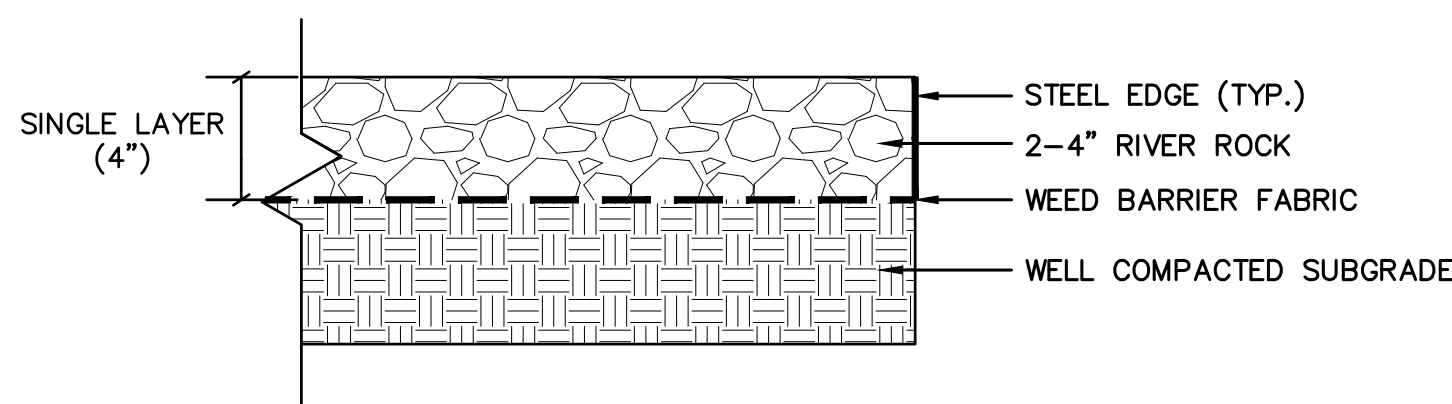
1 TREE PLANTING
L101 L101 NO SCALE



2 GROUNDCOVER PLANTING
L101 L101 NO SCALE



3 SHRUB PLANTING
L101 L101 NO SCALE



4 RIVER ROCK MULCH
L101 L101 NO SCALE



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DEPARTMENT OF SOCIAL
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BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **MAR** DRAWN BY: **GAG**
SHEET ISSUE DATE: **06.12.2026**
PROJECT PHASE: **BID DOCUMENTS**
SHEET REVISIONS:

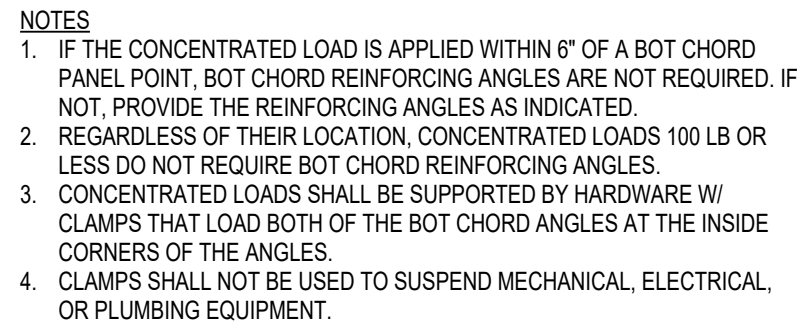
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SHEET NAME:

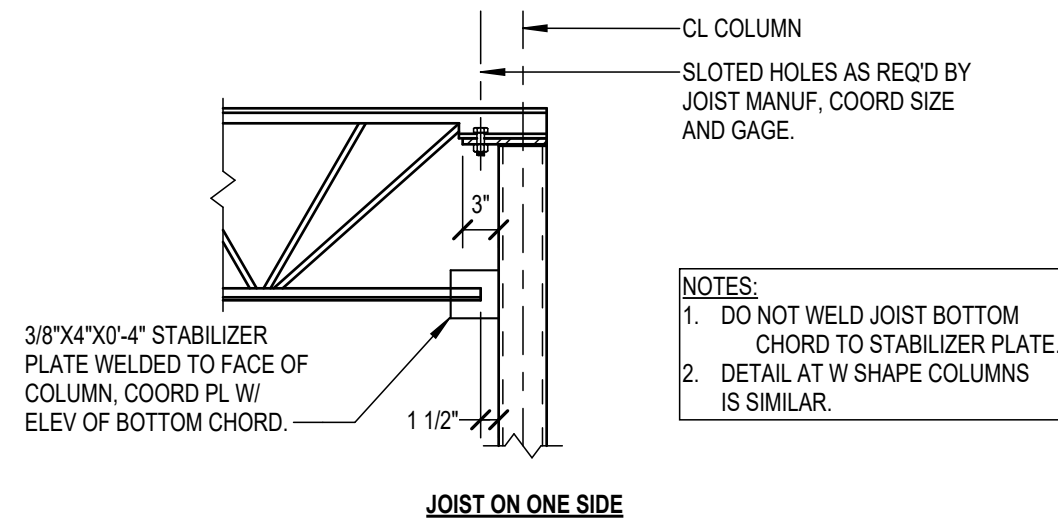
LANDSCAPE PLAN

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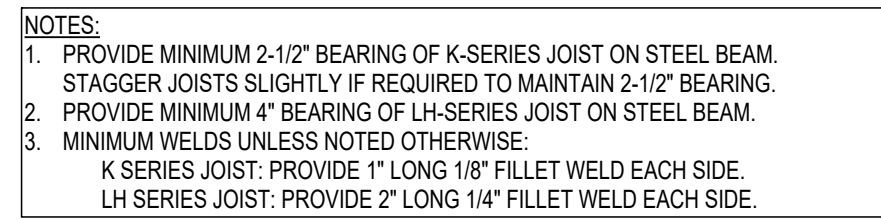
L101



N.T.S.



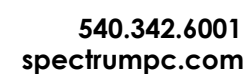
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N.T.S.

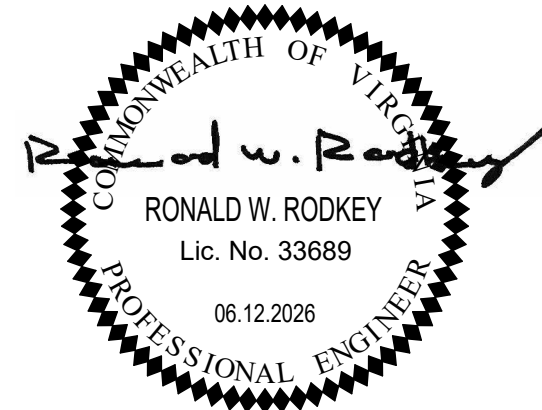


N.T.S.



BEDFORD COUNTY

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SHEET REVISIONS:



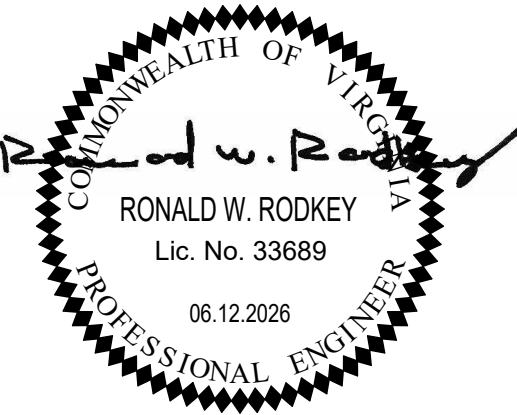
SHEET NUMBER:

S003

**DEPARTMENT OF SOCIAL
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PROJ. MGR.: **JM** CHECKED BY: **RWR** DRAWN BY: **HFR**

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

SHEET REVISIONS:



SHEET NAME:

FOUNDATION PLAN

SHEET NUMBER:

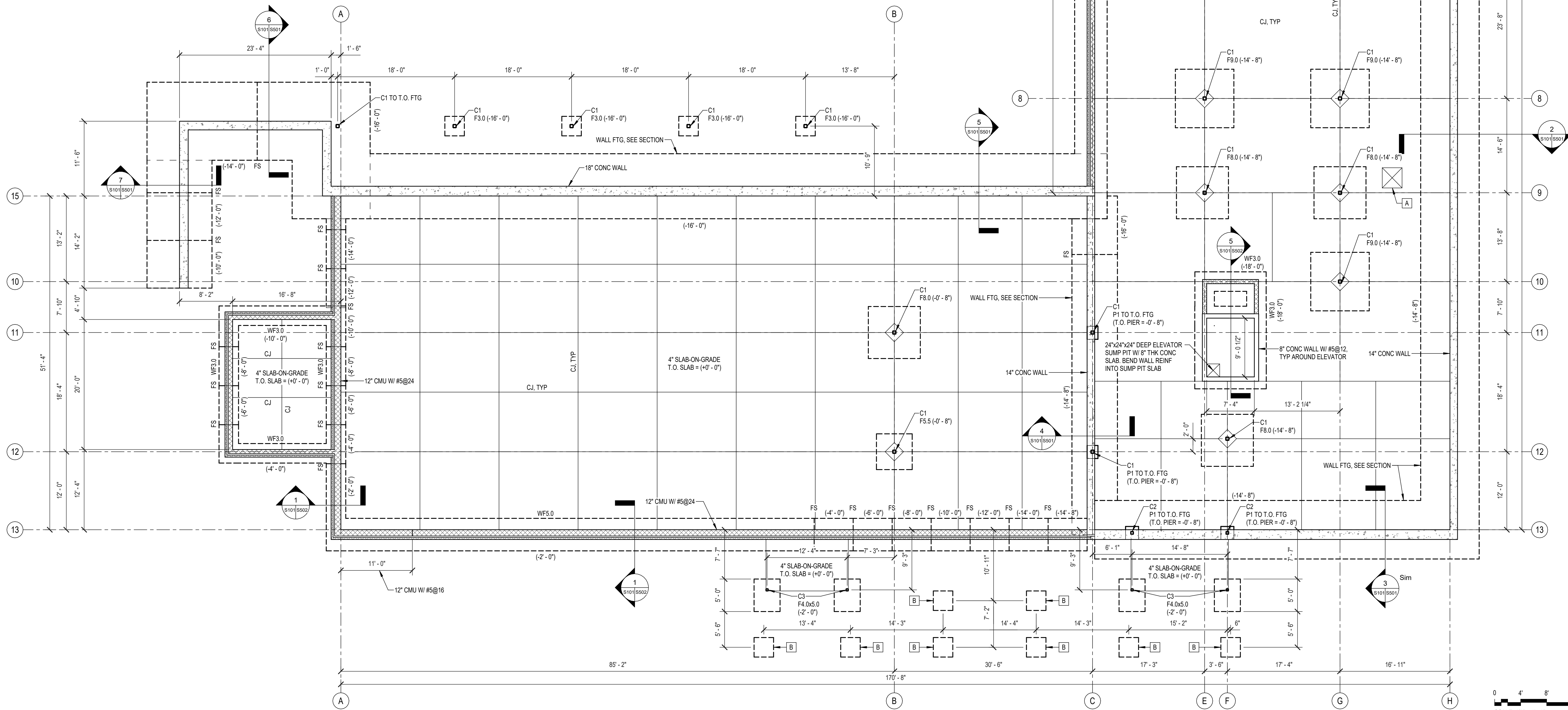
S101

FOUNDATION PLAN NOTES:

- REFER TO GENERAL NOTES AND TYPICAL DETAILS ON SHEETS S001-S003 AND SCHEDULES ON S601.
- REFER TO ARCHITECTURAL DRAWINGS AND STRUCTURAL SECTIONS NO DETAILS FOR DIMENSIONS, ELEVATIONS, AND OFFSETS NOT INDICATED.
- REFERENCE ELEVATION (+0'-0") IS T.O. FIRST FLOOR SLAB. ALL ELEVATIONS ARE NOTED THUS: (+/- X'-X") RELATIVE TO THE REFERENCE ELEVATION.
- "WFX" INDICATES A CONTINUOUS WALL FOOTING. "FX" INDICATES A SPREAD FOOTING. SEE FOOTING SCHEDULE ON S601. TOP OF FOOTING ELEVATIONS ARE NOTED THUS: (+/- X'-X") RELATIVE TO THE REFERENCE ELEVATION.
- "CX" INDICATES STEEL COLUMN TYPE. SEE COLUMN SCHEDULE ON S601 FOR COLUMN, BASE PLATE, AND ANCHOR RODS.
- "CJ" INDICATES SLAB-ON-GRADE CONTROL OR CONSTRUCTION JOINT. CONSTRUCT JOINTS PER THE TYPICAL DETAILS. IF NONE ARE INDICATED, PROVIDE JOINTS AT 15'-0" O.C. MAXIMUM IN EACH DIRECTION. THE RATIO OF THE DIMENSIONS OF THE LONG SIDE TO THE SHORT SIDE SHALL BE 1.5:1 OR LESS.

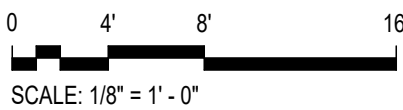
KEYED NOTES:

- A** LOCATION OF RECESSED SLAB FOR SHOWER. SEE ARCH.
- B** F3.0 (2'-0") FOOTINGS FOR MANUFACTURED ALUMINUM CANOPY. DO NOT CONSTRUCT FOOTINGS UNTIL THE CANOPY SUBMITTAL HAS BEEN APPROVED BY THE ENGINEER AND REVISIONS HAVE BEEN MADE TO COORDINATE WITH THE CANOPY REACTIONS AND MOUNTING DETAILS.



FOUNDATION PLAN

SCALE: 1/8" = 1'-0"





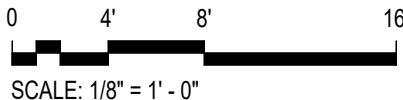
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SHEET REVISIONS

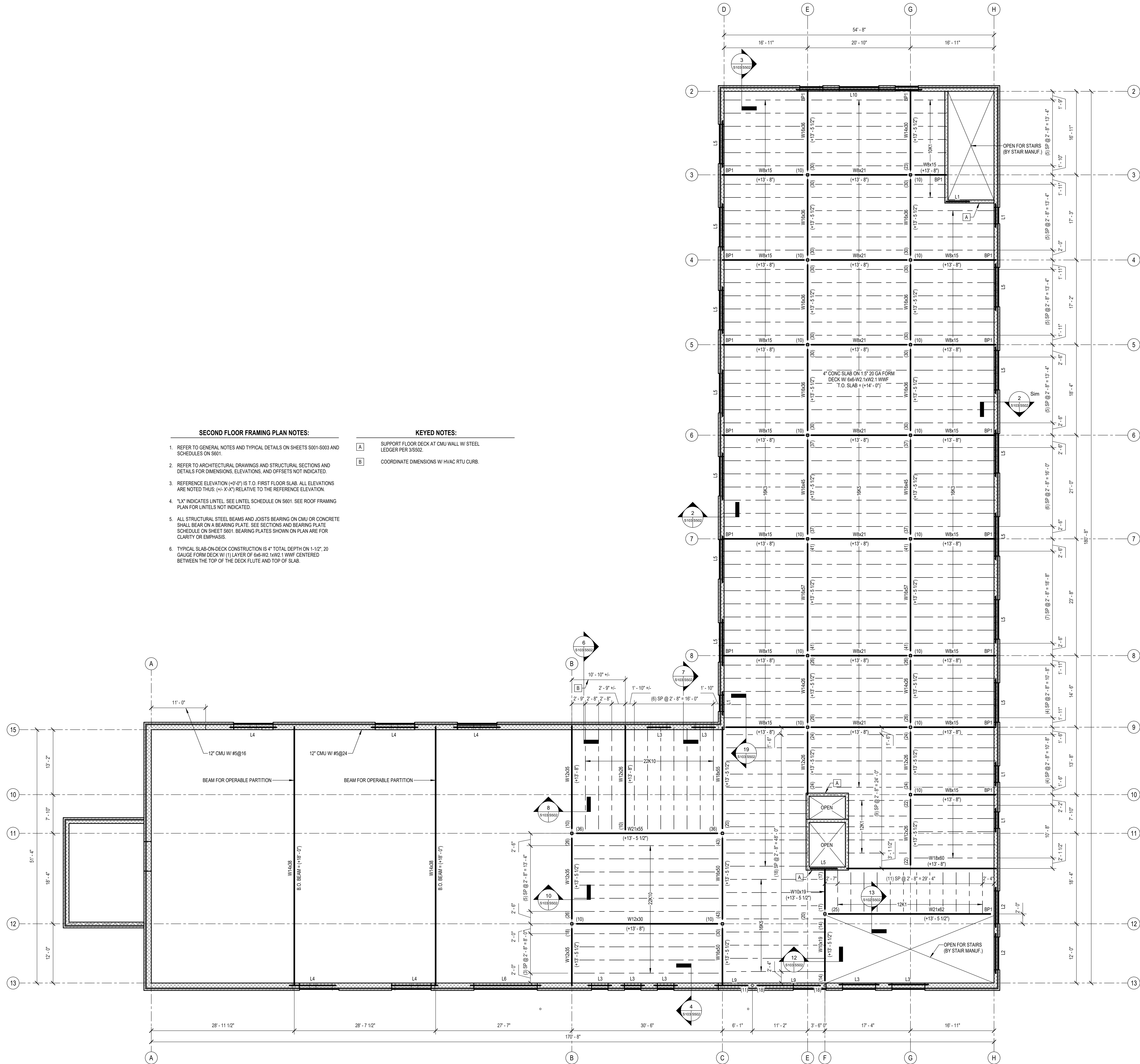


S102



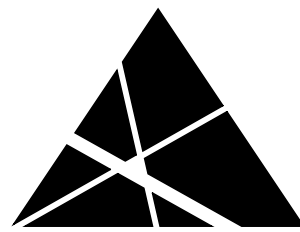
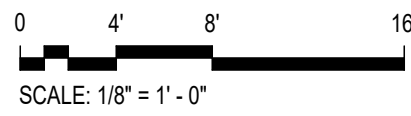
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ORIGINAL SET: ARCH (1/2024) | 4/23/2024 4:03 PM
C:\Users\dwain\OneDrive\Documents\Central\UpperFloorS103.dwg



UPPER FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"



SPECTRUM DESIGN
architects | engineers

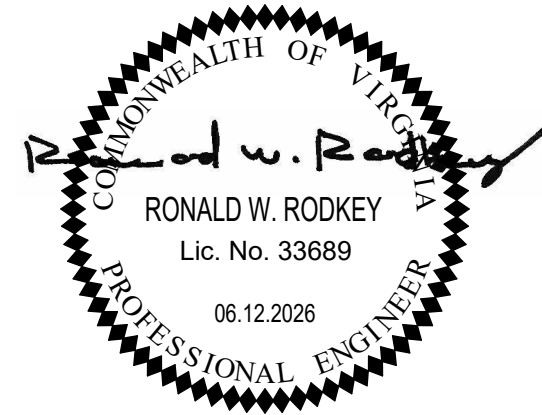
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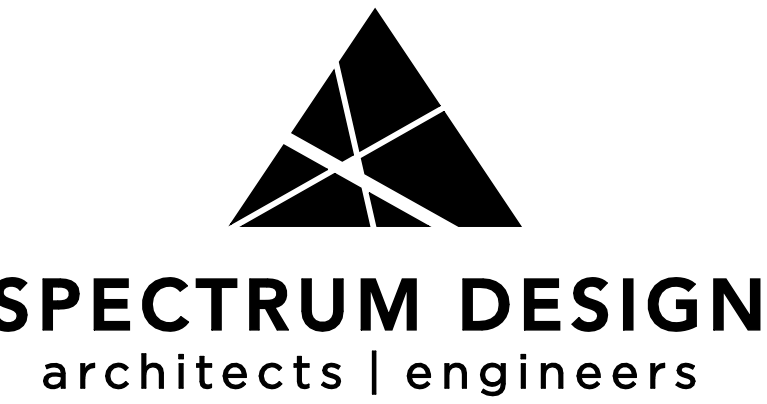
PLAN NORTH
N
SITE NORTH
N

SHEET NAME:

**UPPER FLOOR
FRAMING PLAN**

SHEET NUMBER:

S103



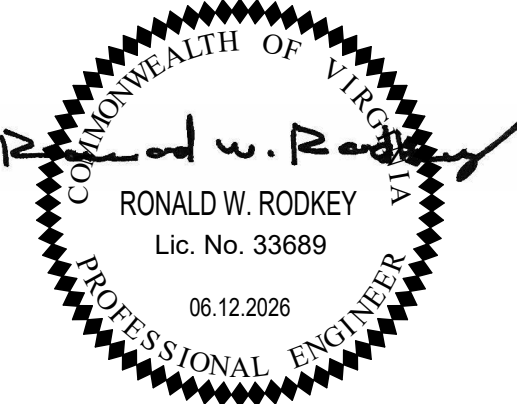
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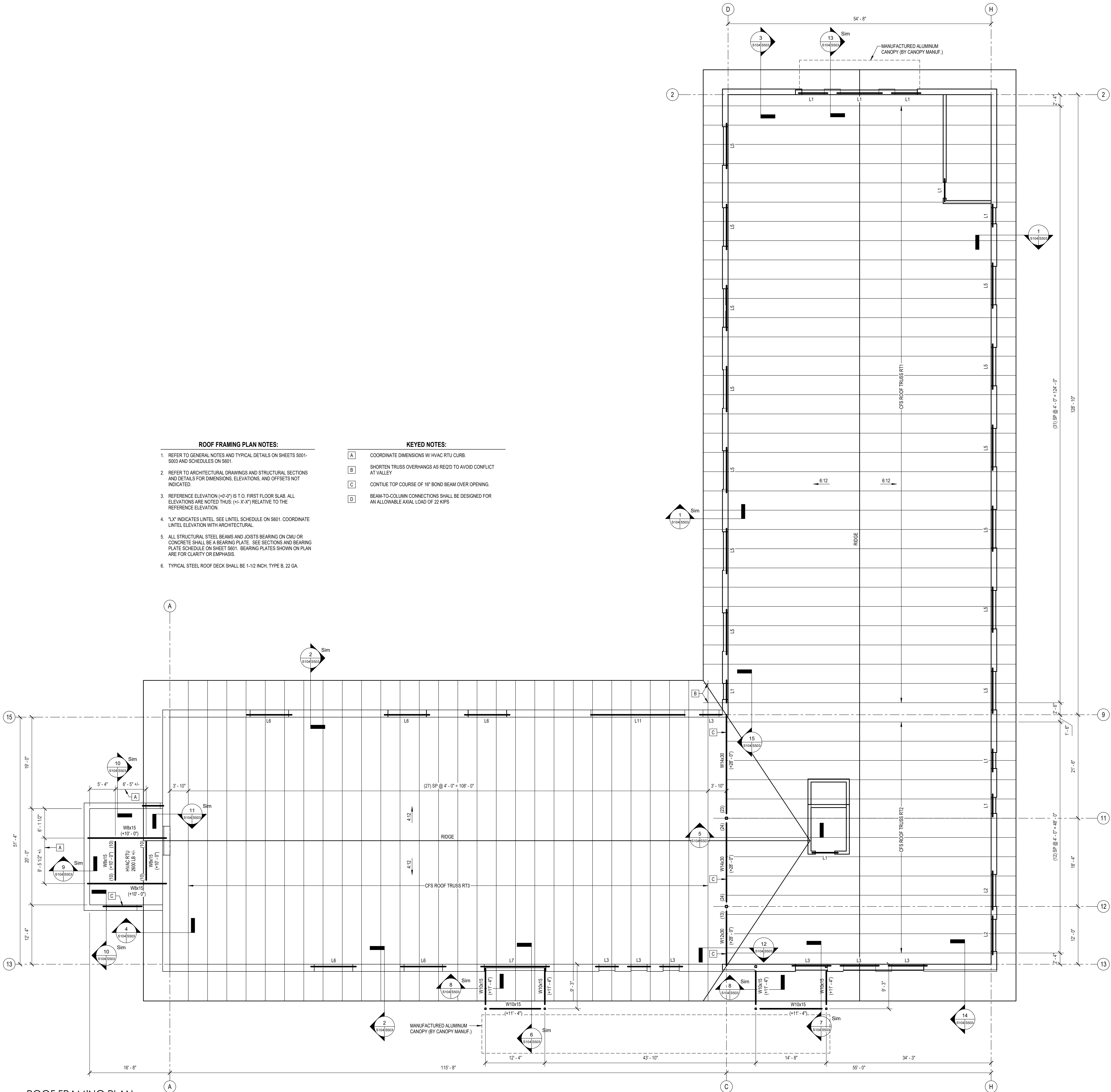
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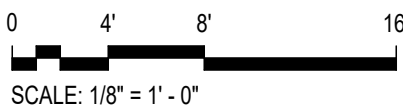
SHEET NAME:
ROOF FRAMING PLAN

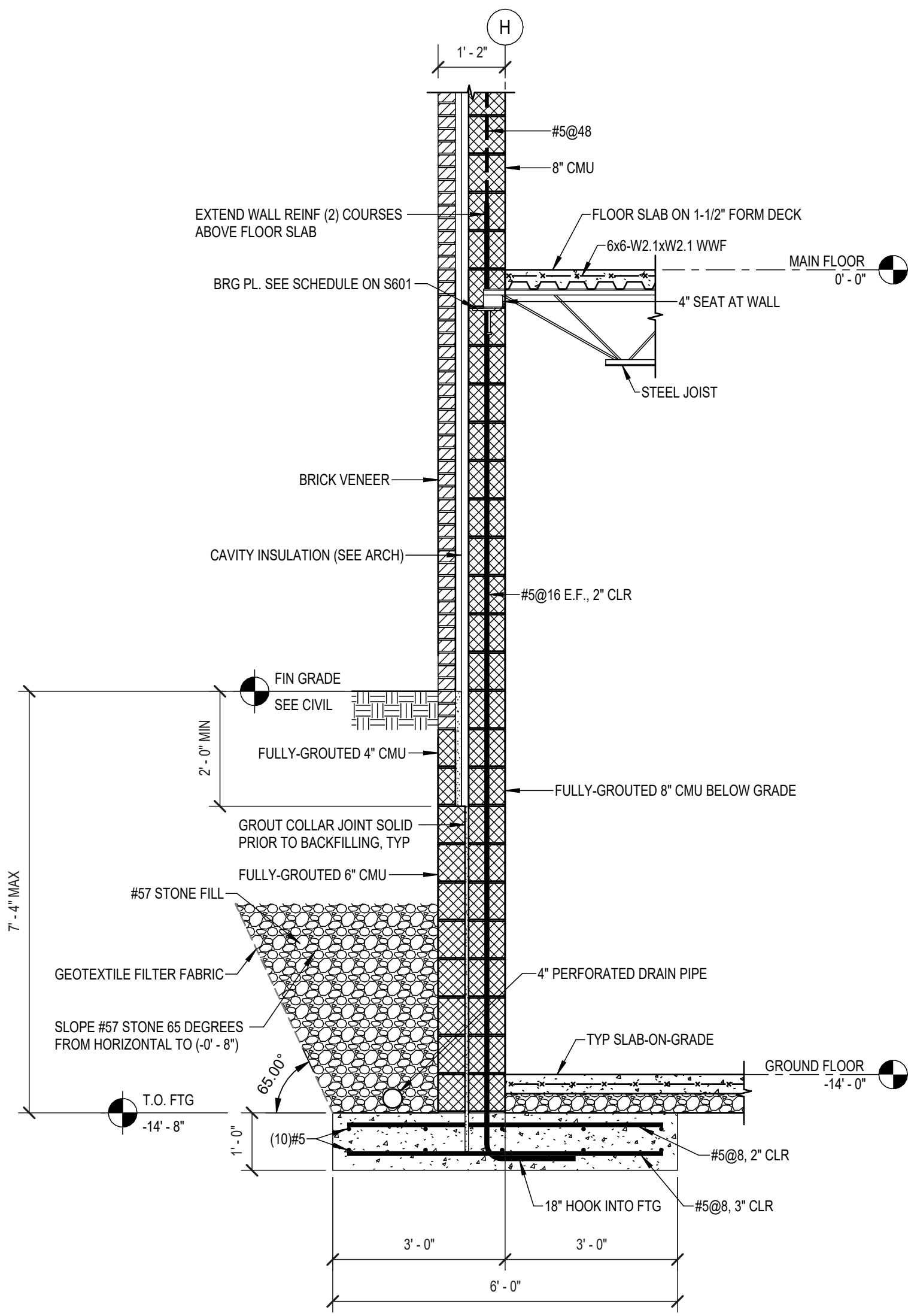
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S104



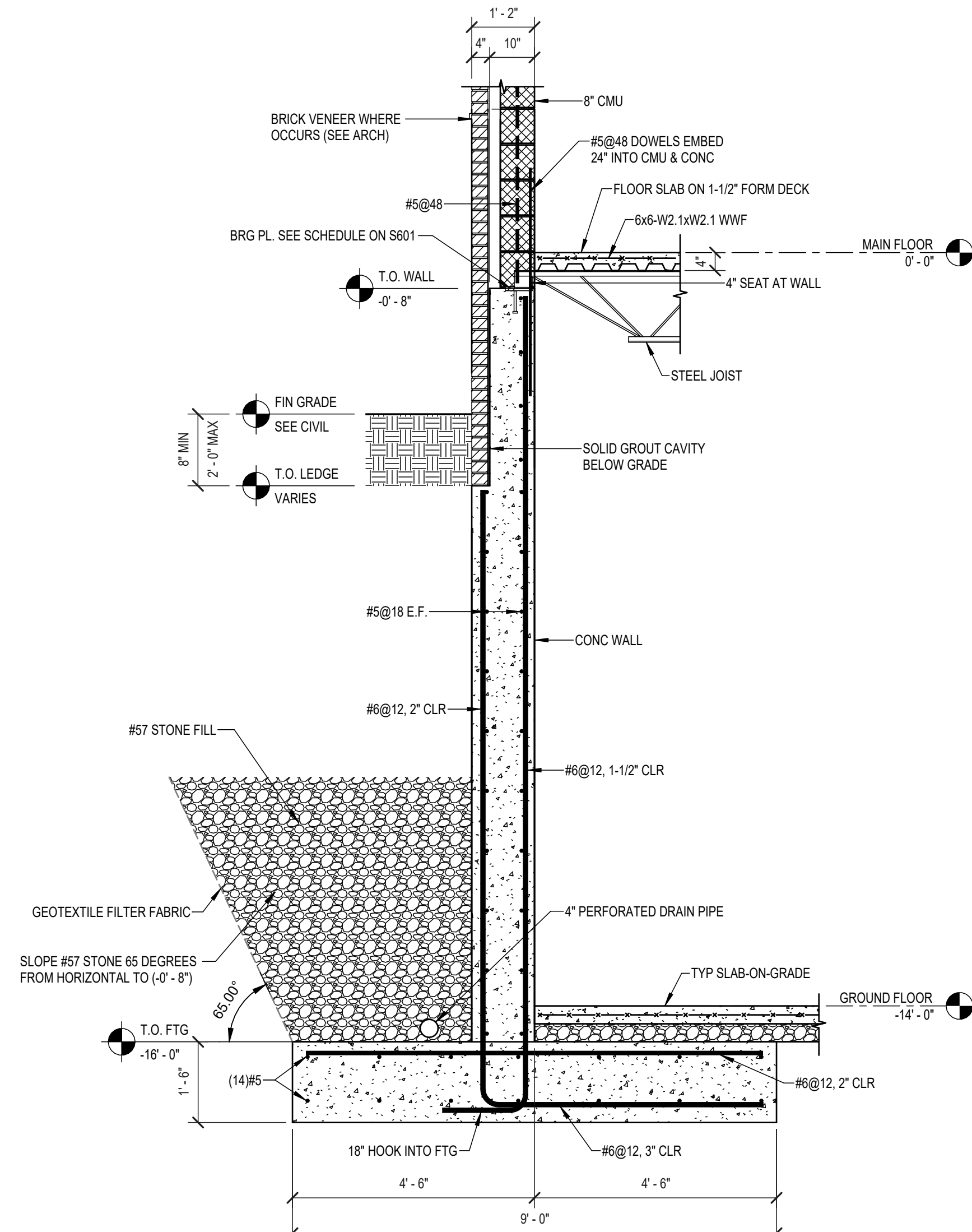
ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"





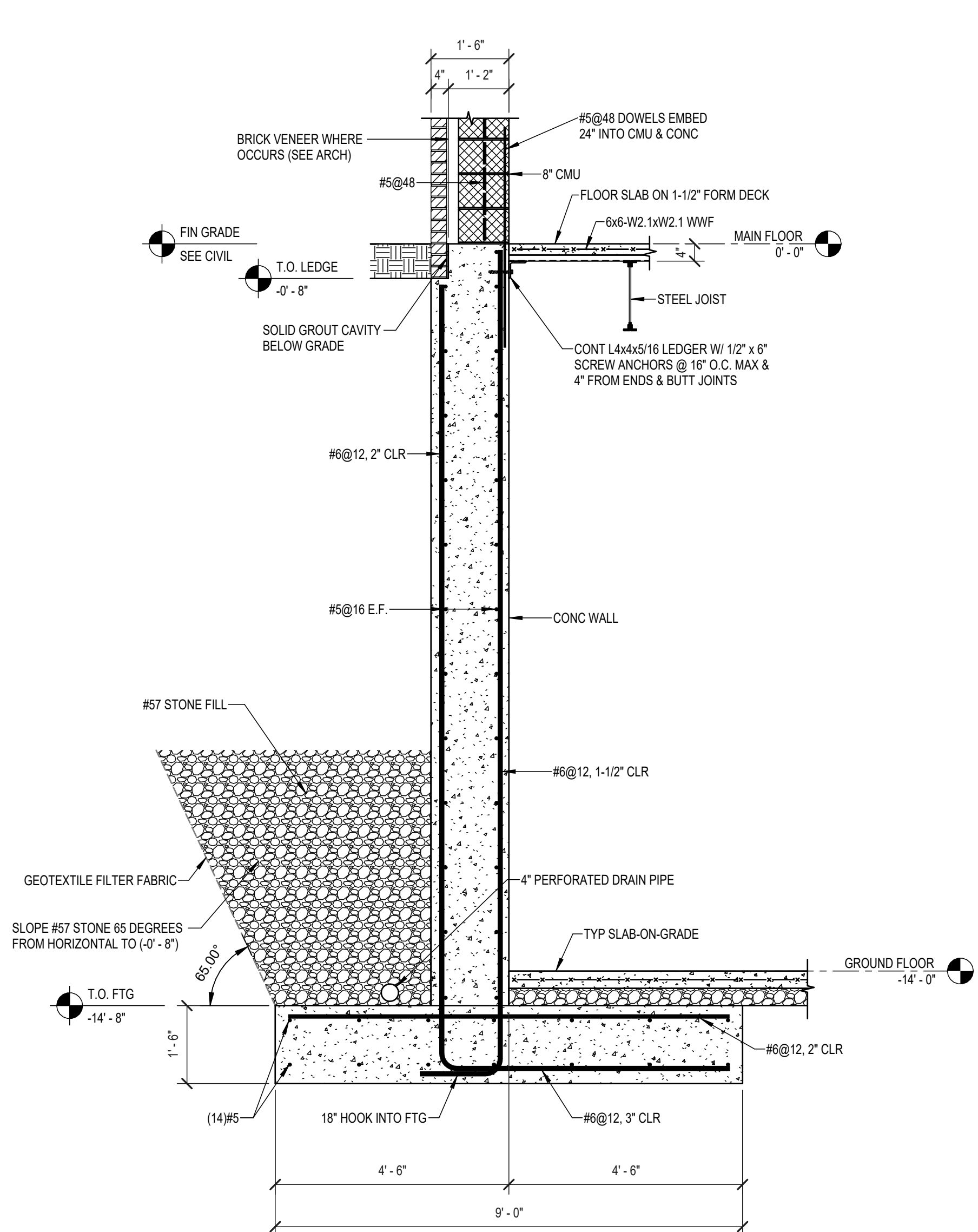
1 SECTION

S501 SCALE: 1/2" = 1'-0"
REF: S101



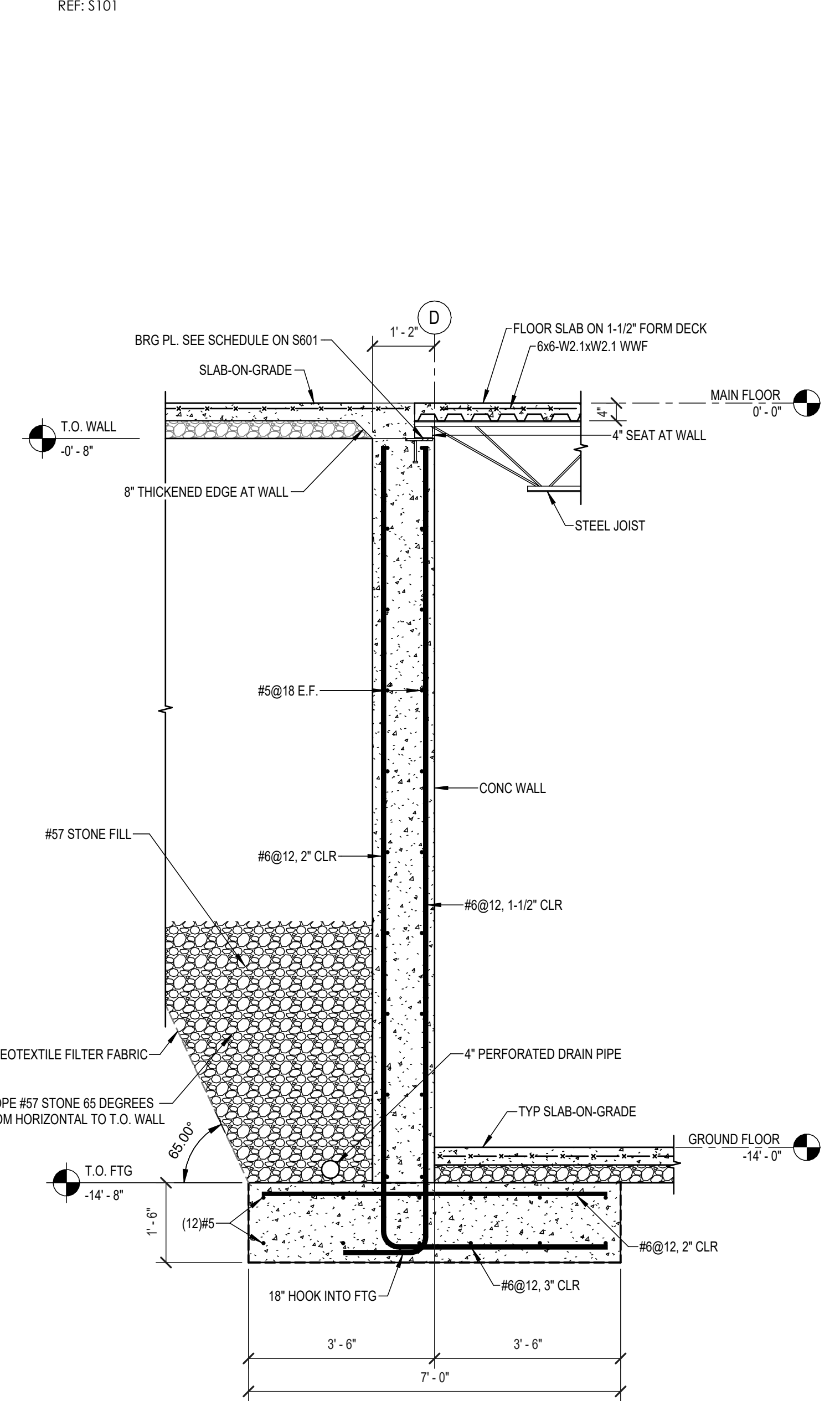
2 SECTION

S501 SCALE: 1/2" = 1'-0"
REF: S101



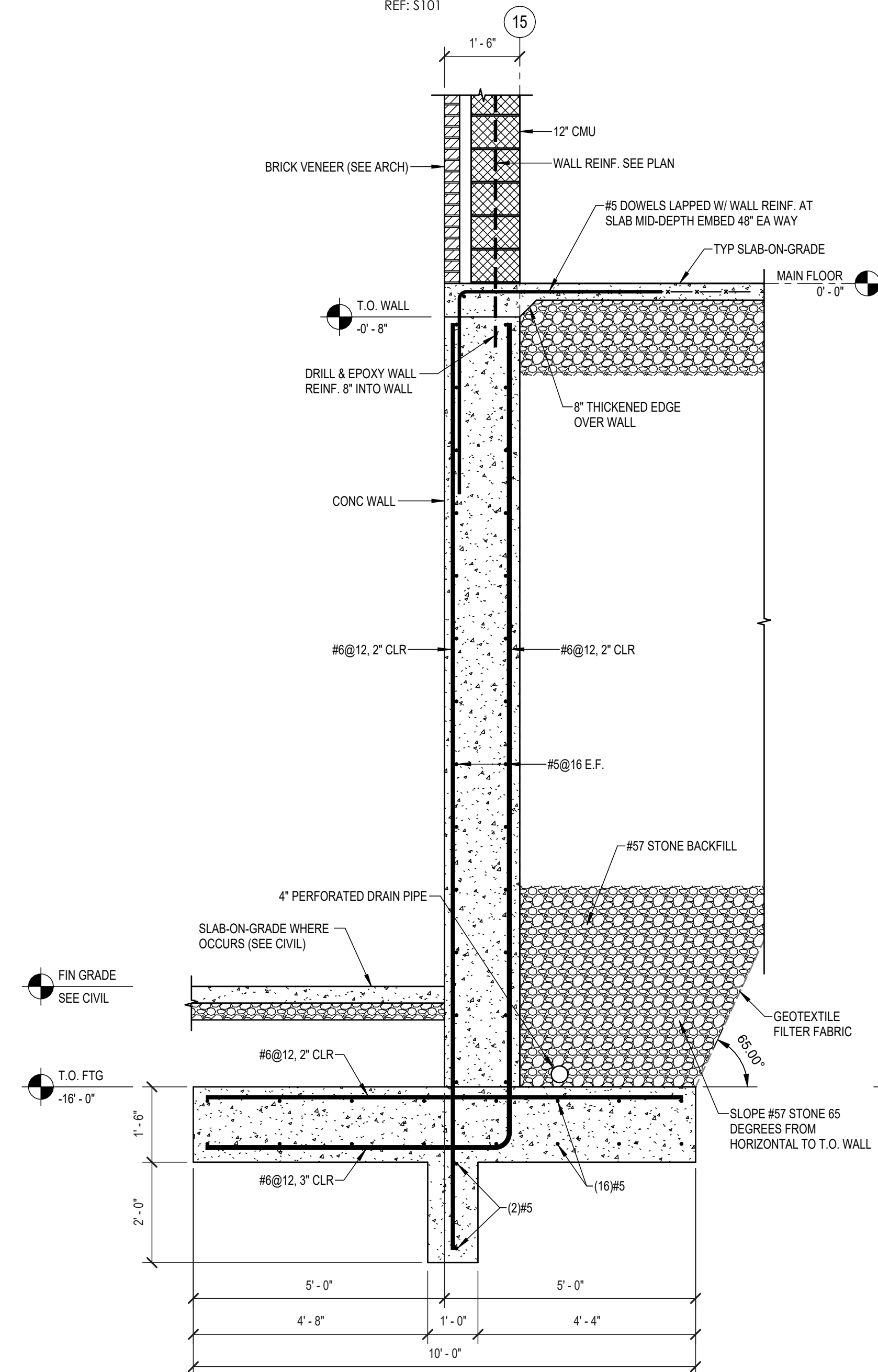
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S501 SCALE: 1/2" = 1'-0"
REF: S101



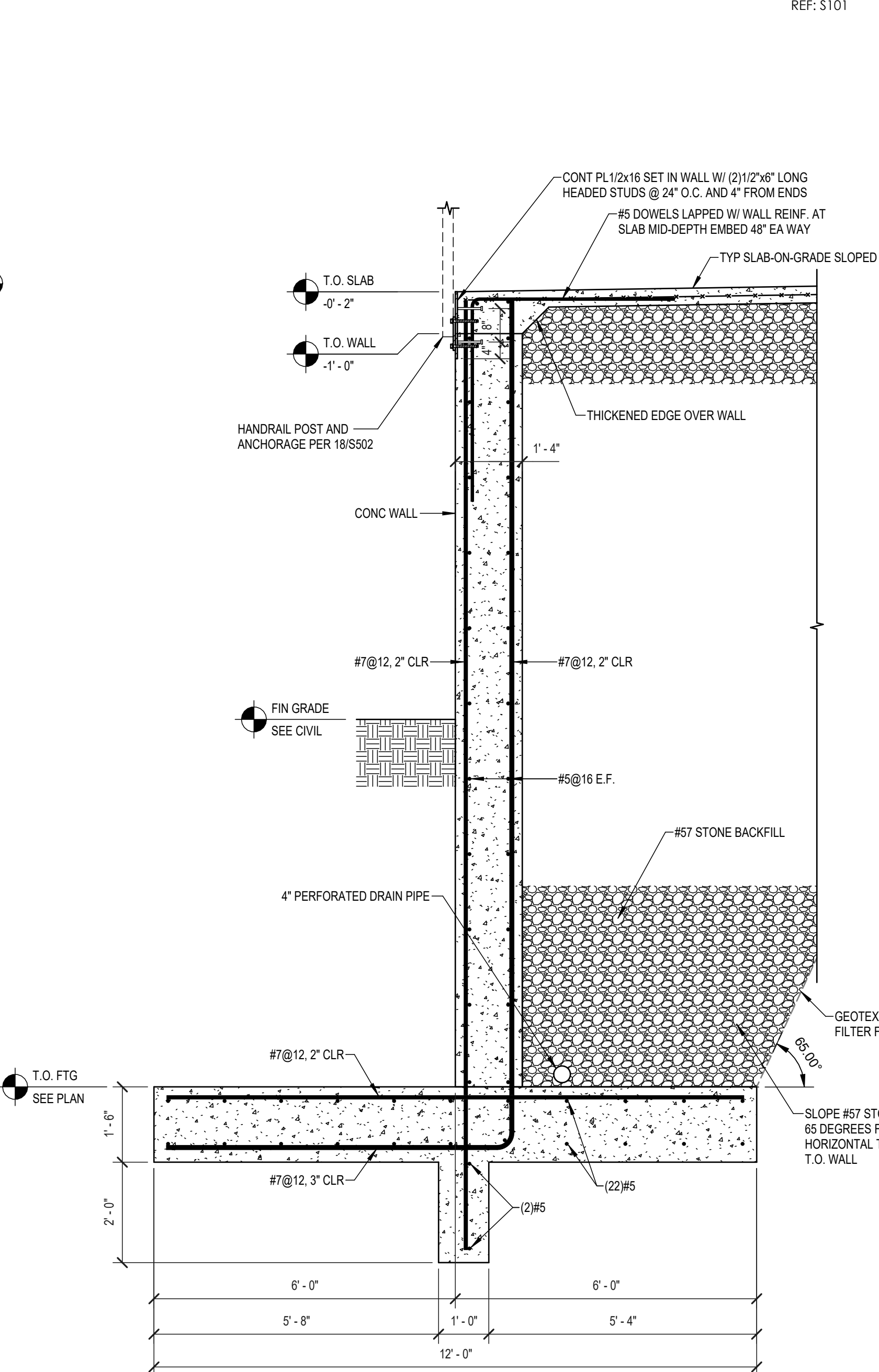
4 SECTION

S501 SCALE: 1/2" = 1'-0"
REF: S101



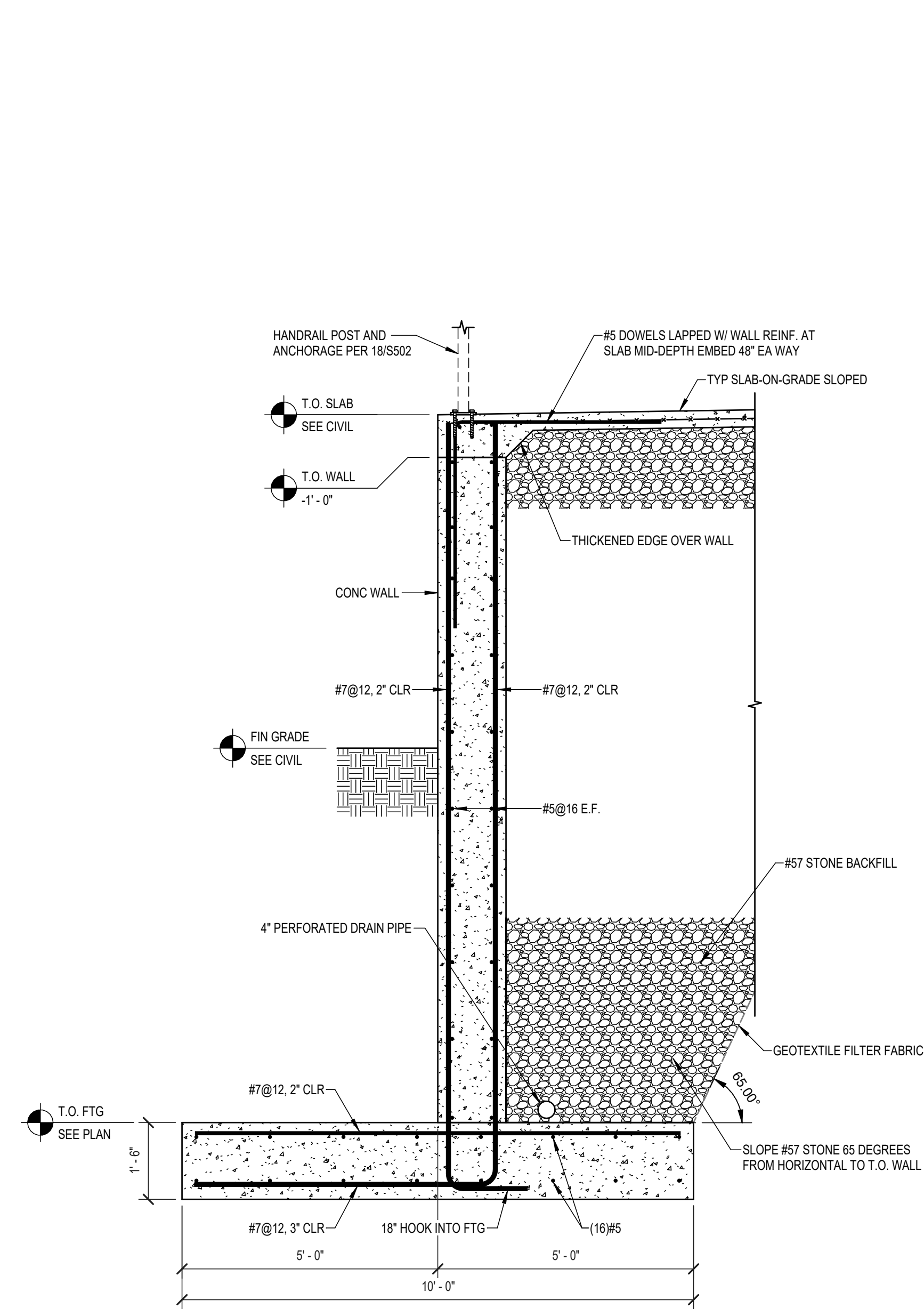
5 SECTION

S501 SCALE: 1/2" = 1'-0"
REF: S101



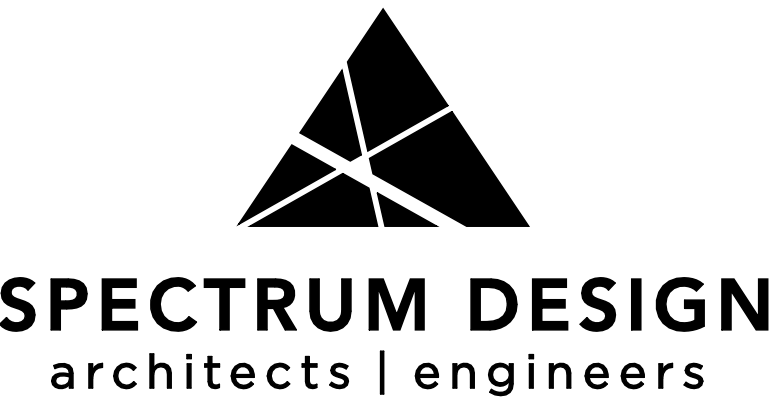
6 SECTION

S501 SCALE: 1/2" = 1'-0"
REF: S101



7 SECTION

S501 SCALE: 1/2" = 1'-0"
REF: S101



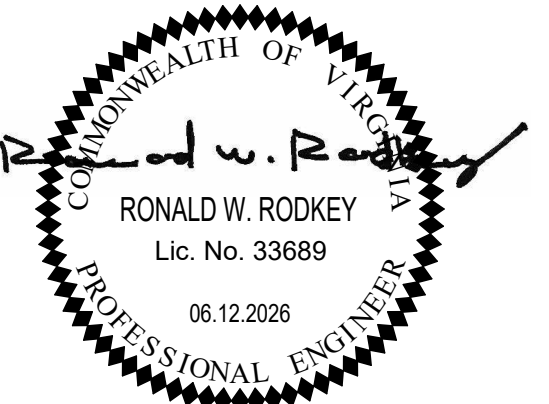
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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **RWR** DRAWN BY: **HFR**

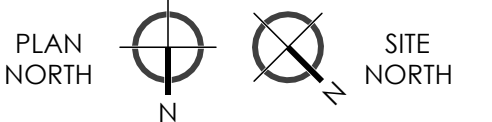
SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

SHEET REVISIONS:

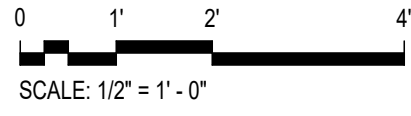


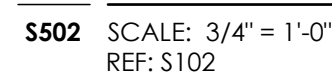
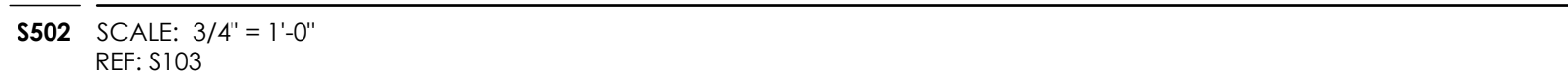
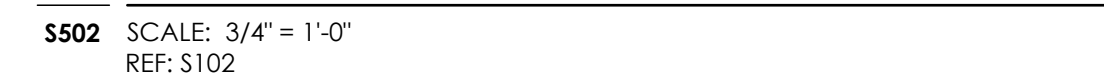
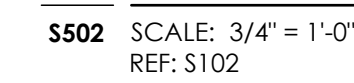
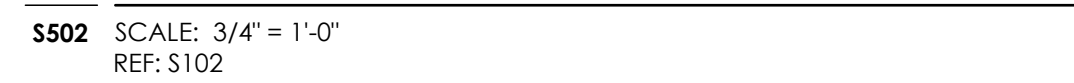
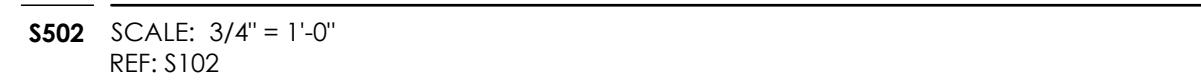
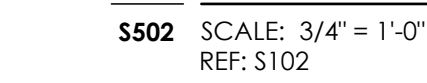
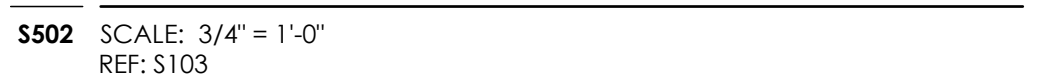
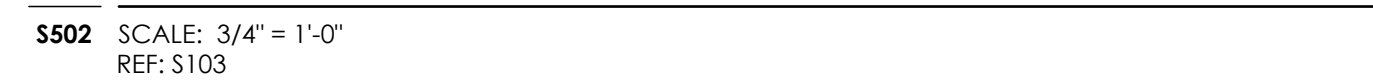
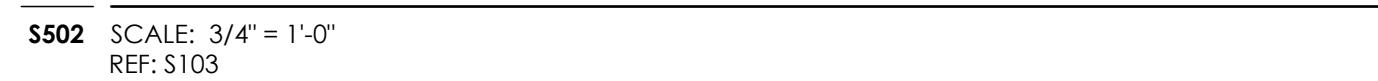
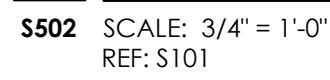
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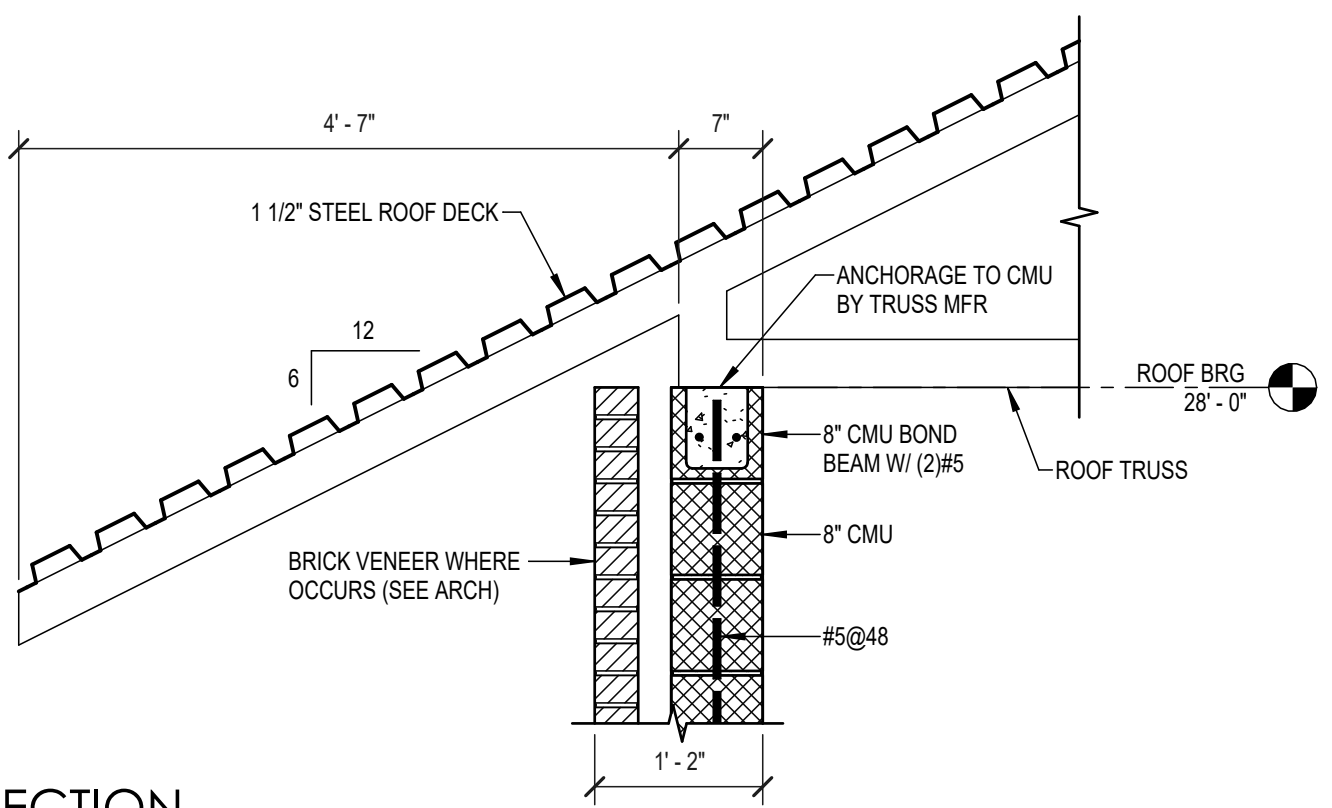
SECTIONS AND DETAILS

SHEET NUMBER:

S501

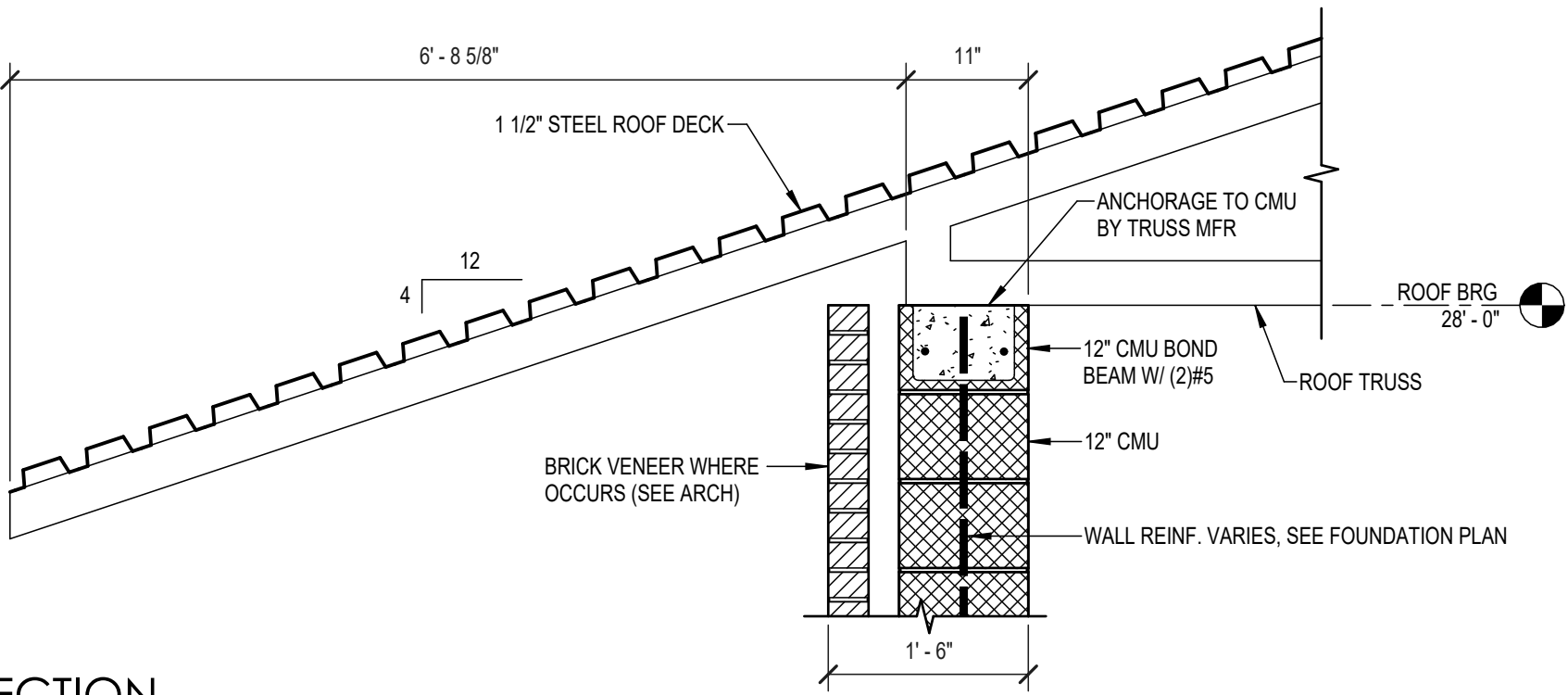






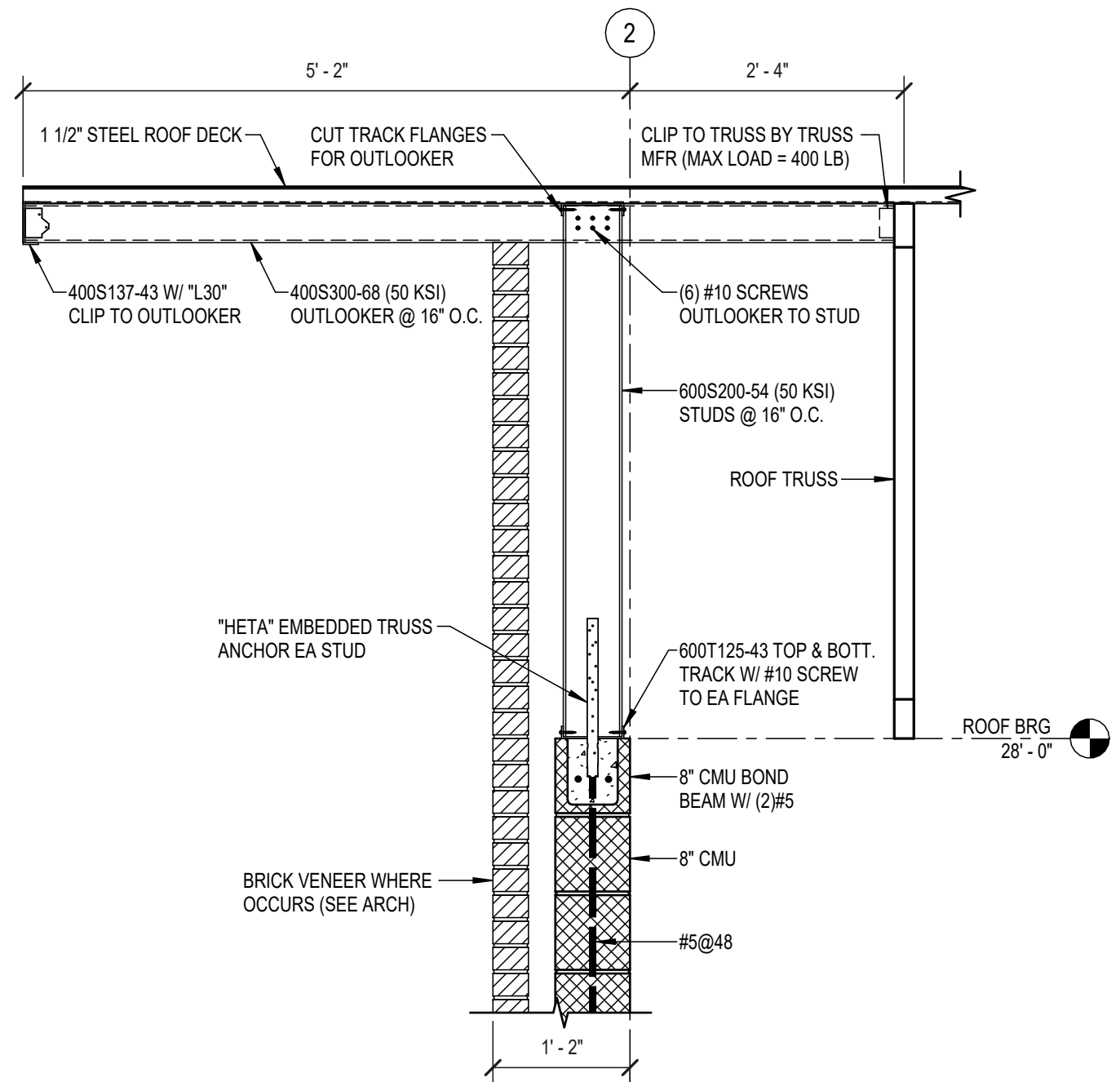
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S503 SCALE: 3/4" = 1'-0"
REF: S104



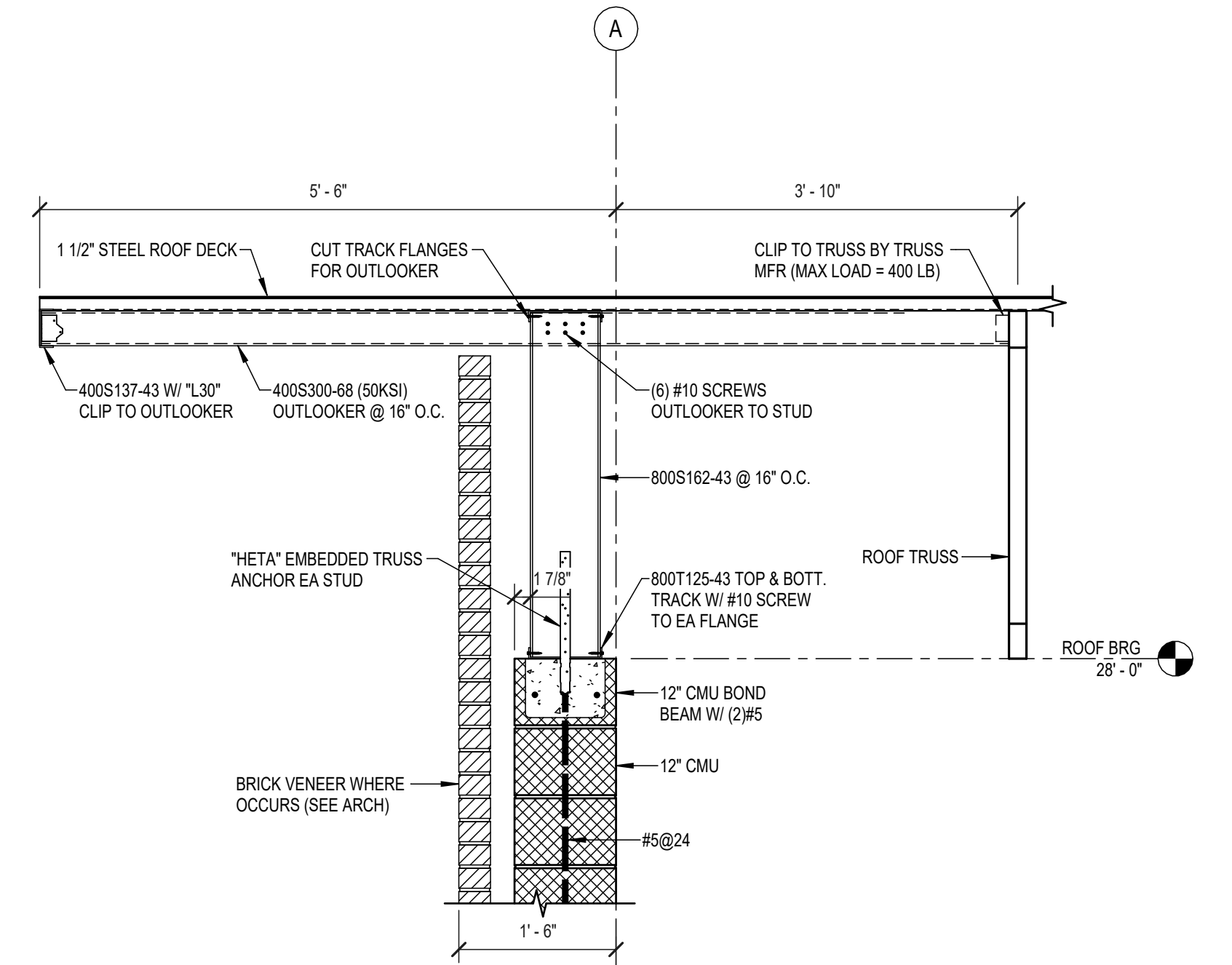
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S503 SCALE: 3/4" = 1'-0"
REF: S104



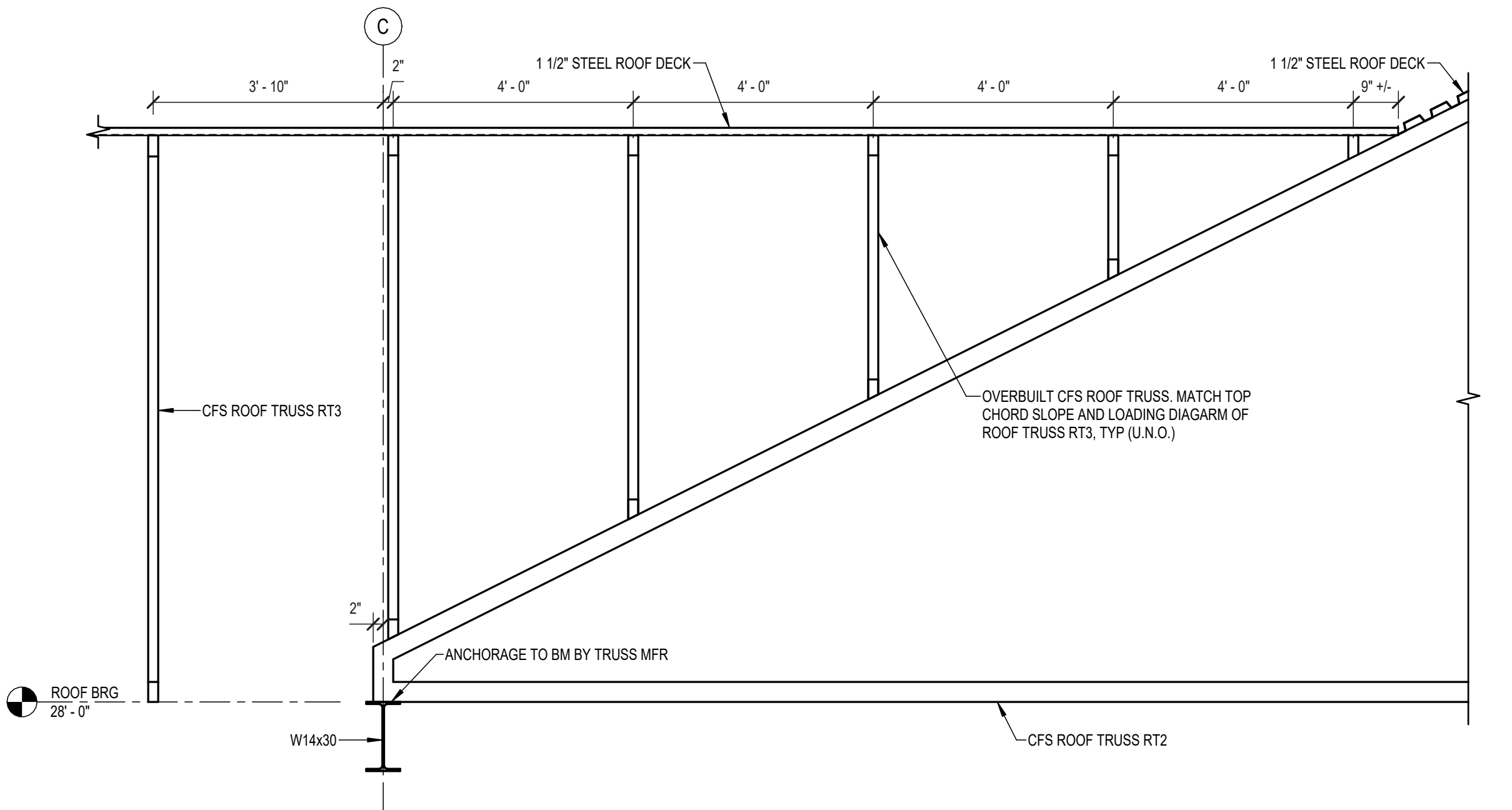
3 SECTION

S503 SCALE: 3/4" = 1'-0"
REF: S104



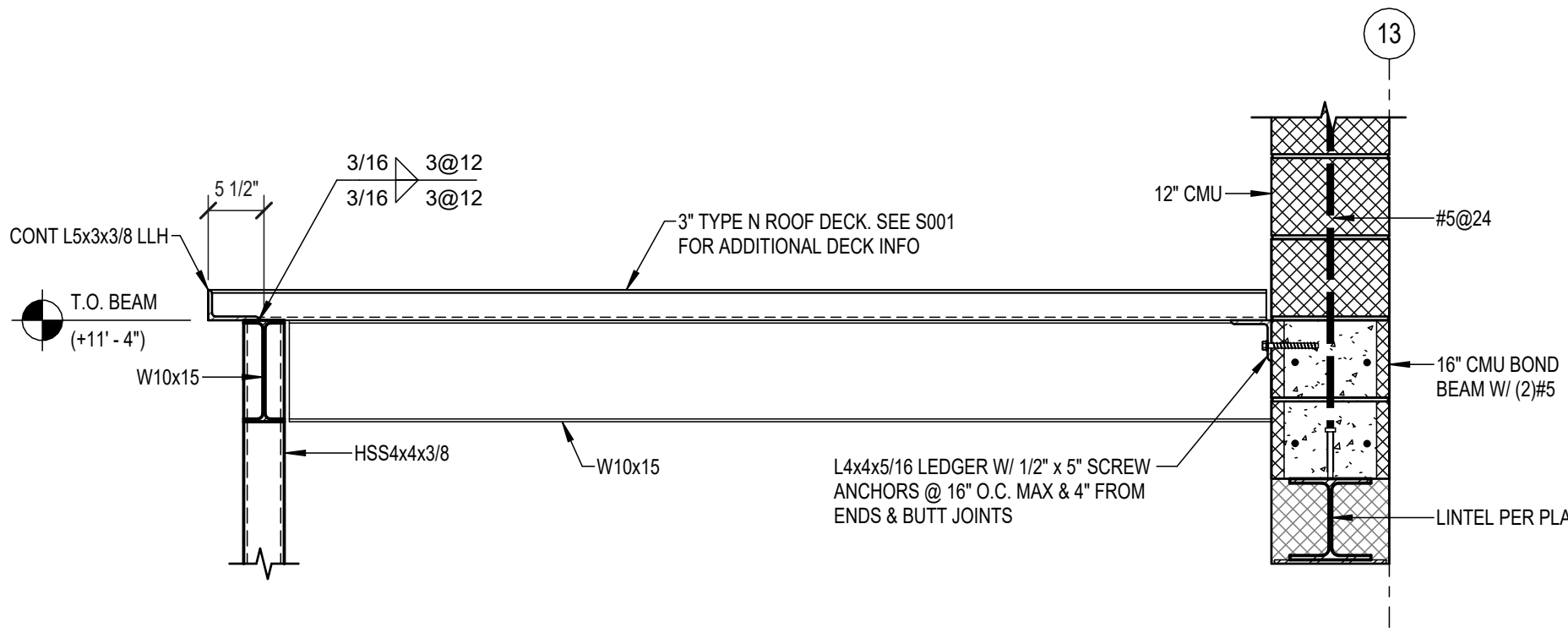
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S503 SCALE: 3/4" = 1'-0"
REF: S104



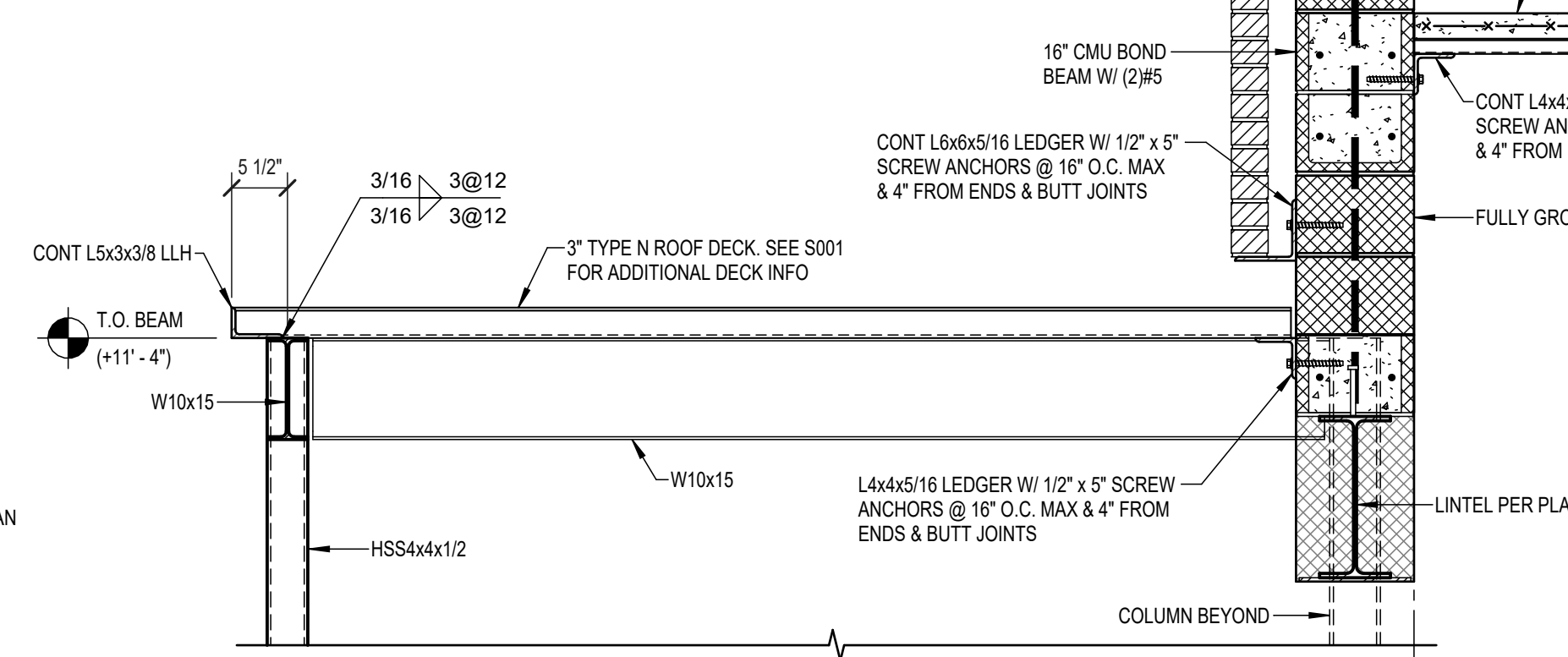
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S503 SCALE: 1/2" = 1'-0"
REF: S104



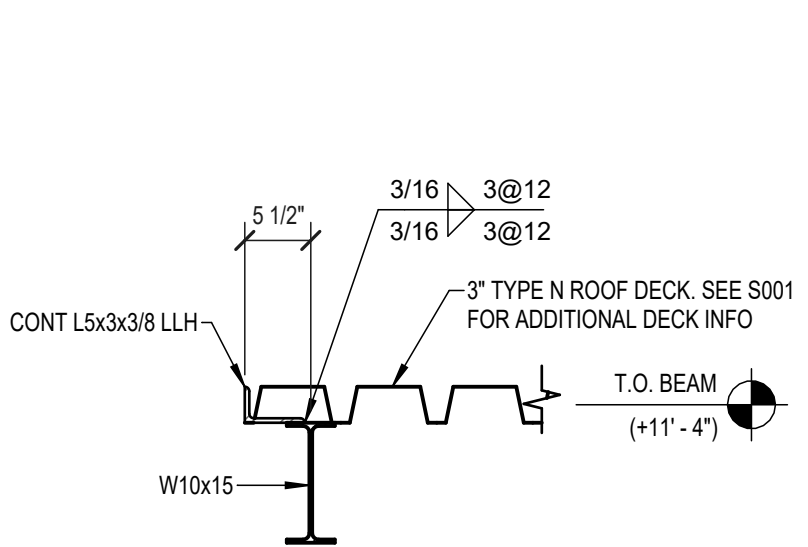
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S503 SCALE: 3/4" = 1'-0"
REF: S104



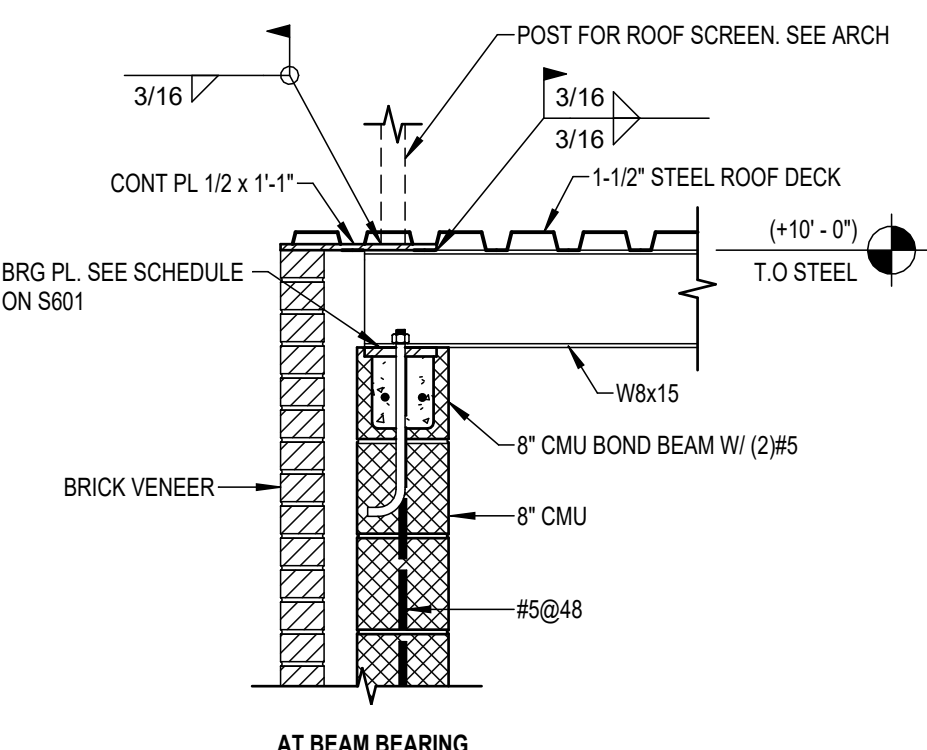
7 SECTION

S503 SCALE: 3/4" = 1'-0"
REF: S104



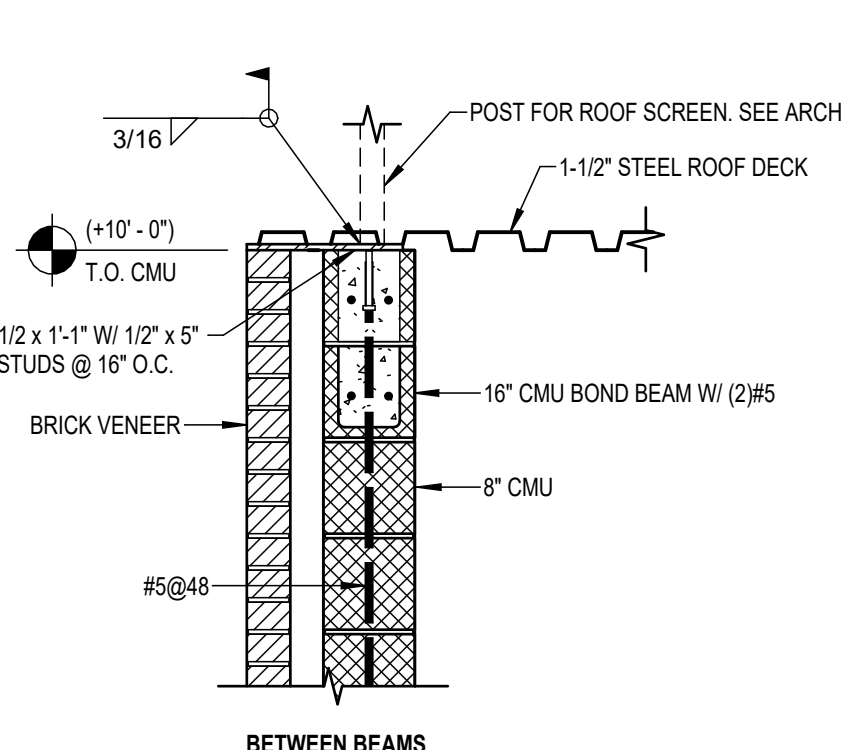
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S503 SCALE: 3/4" = 1'-0"
REF: S104



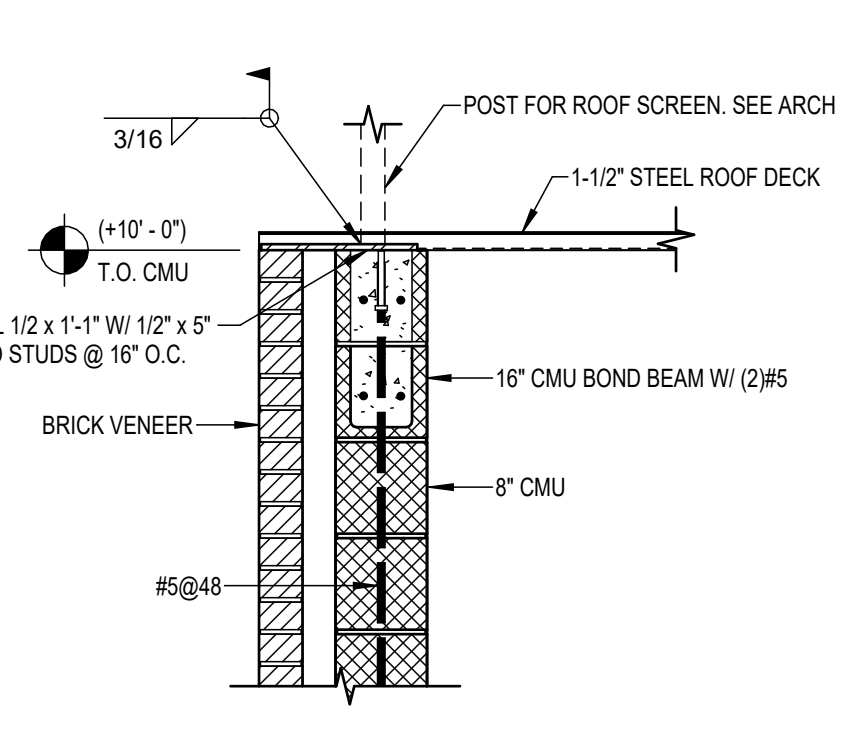
9 SECTION

S503 SCALE: 3/4" = 1'-0"
REF: S104



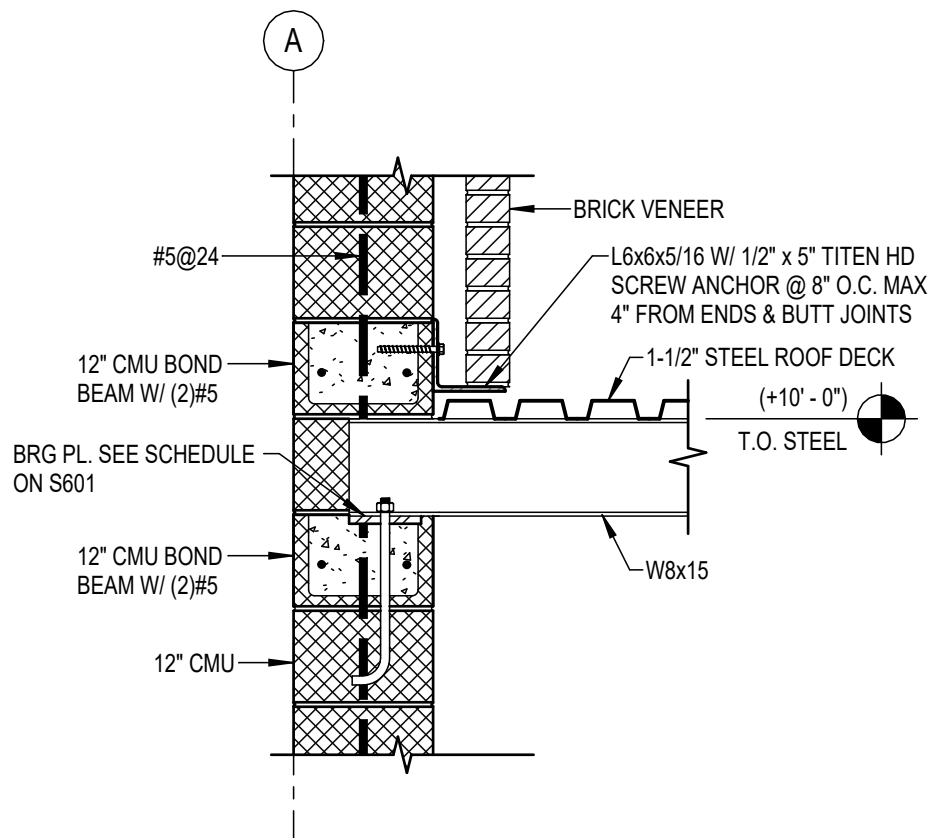
10 SECTION

S503 SCALE: 3/4" = 1'-0"
REF: S104



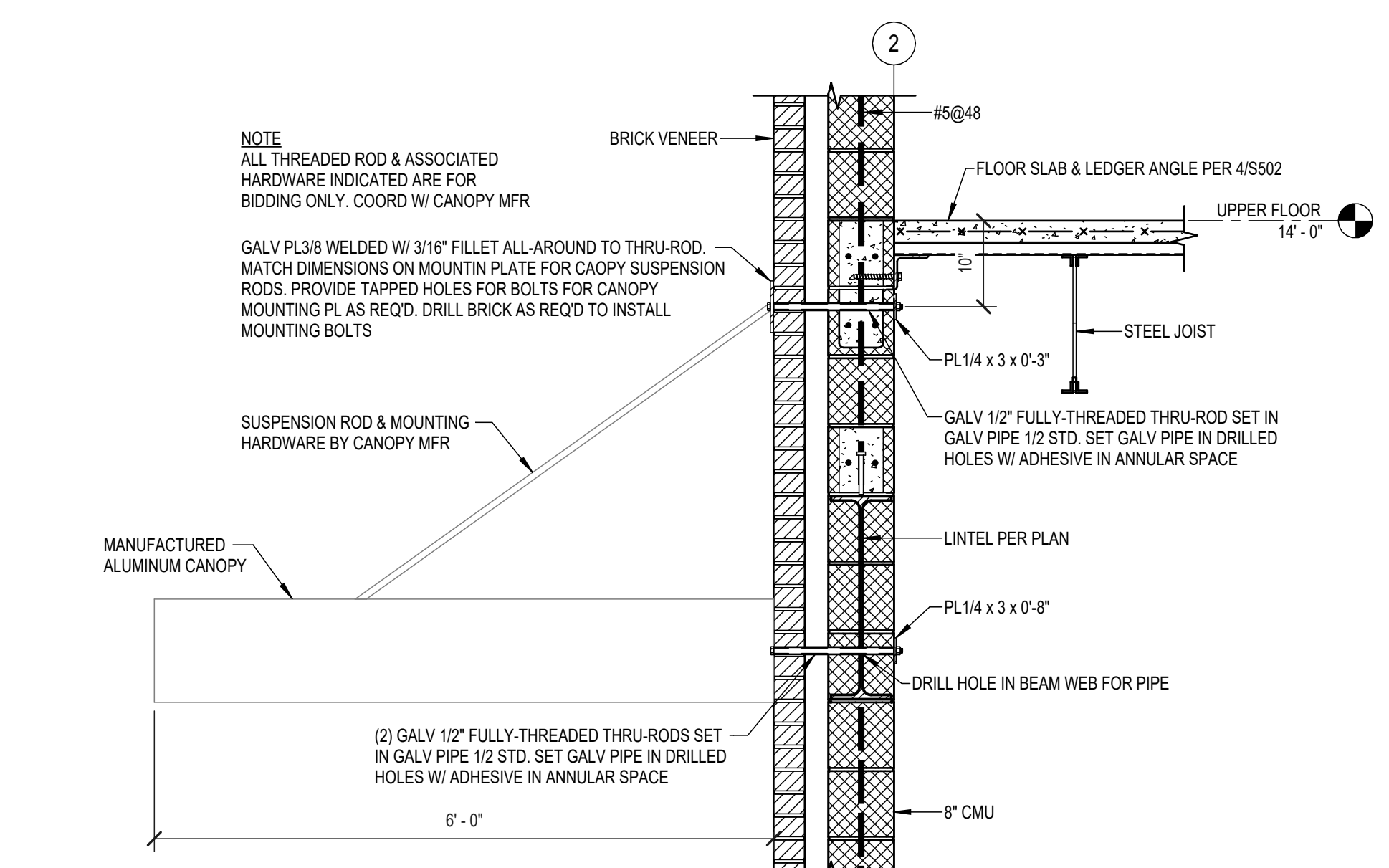
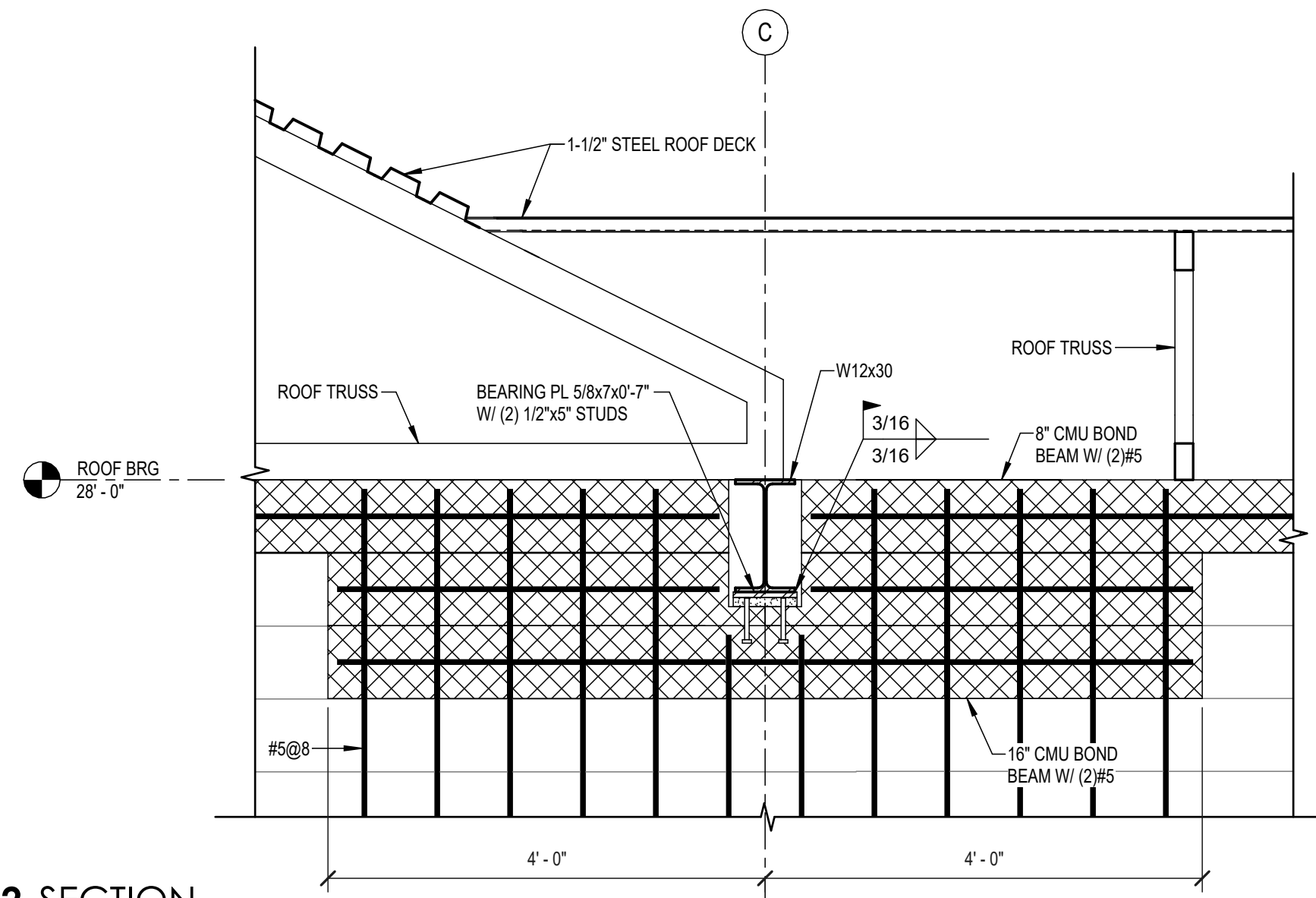
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REF: S104



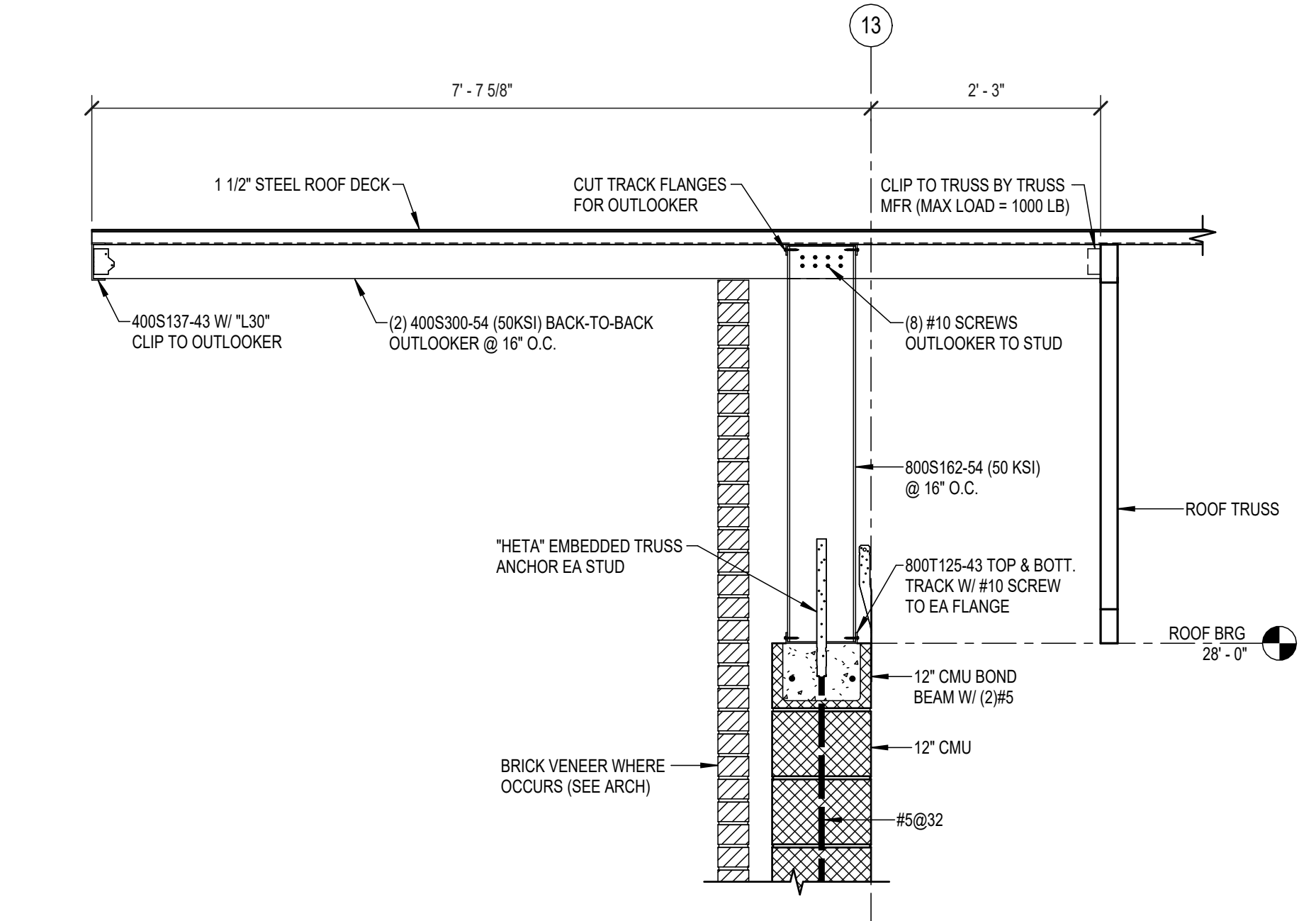
12 SECTION

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REF: S104



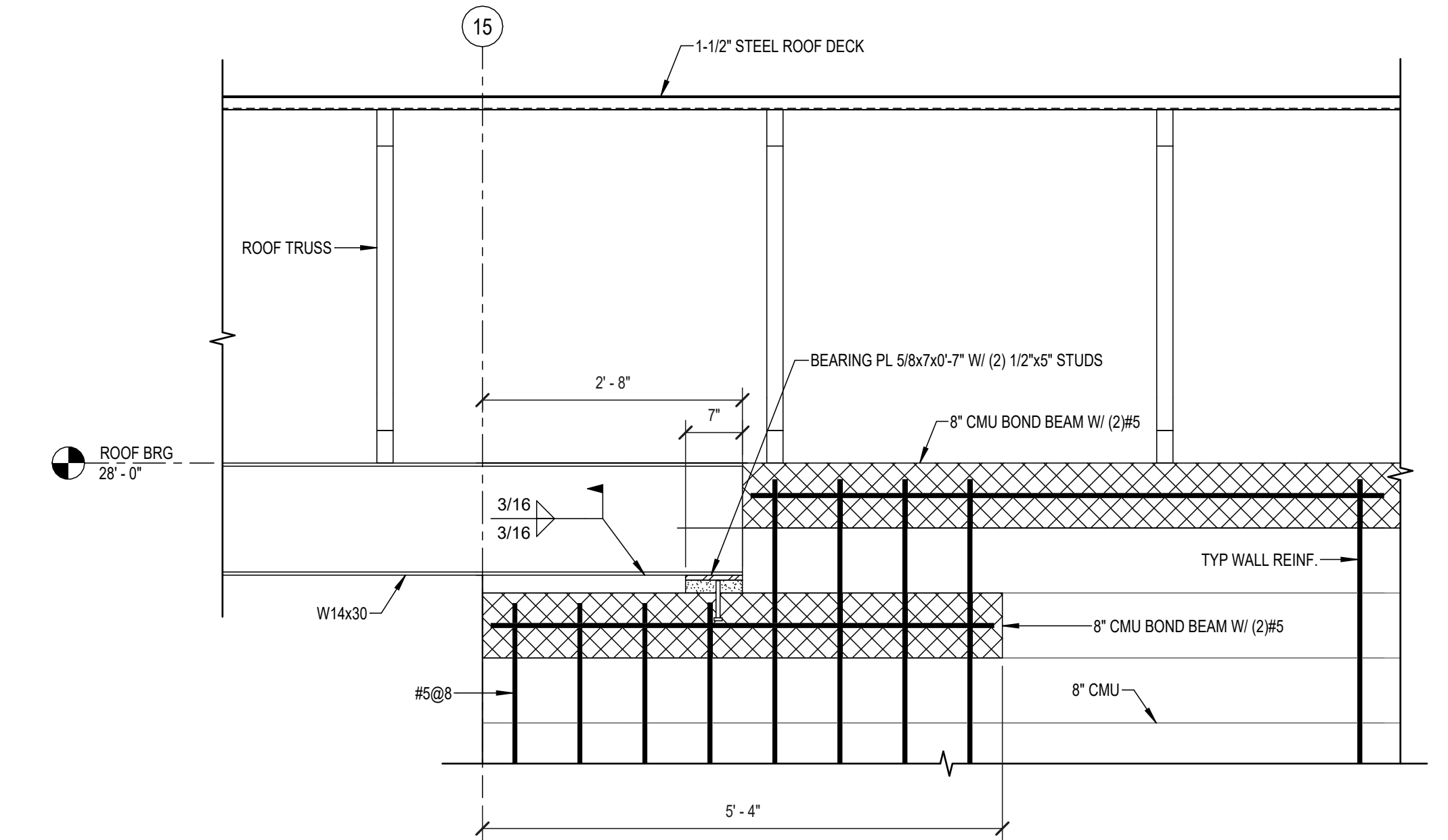
13 SECTION

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REF: S104



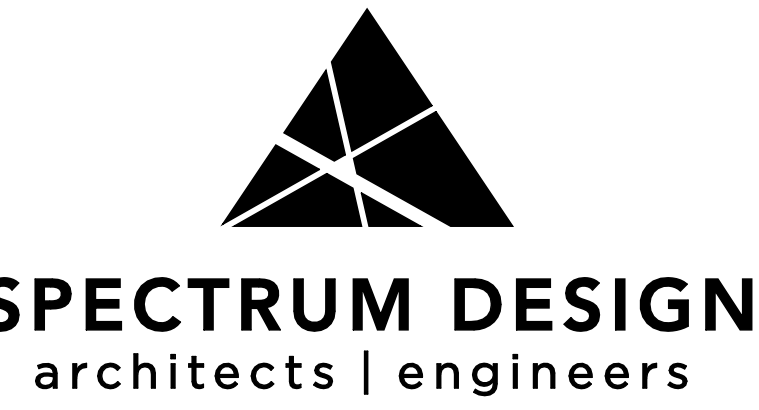
14 SECTION

S503 SCALE: 3/4" = 1'-0"
REF: S104



15 SECTION

S503 SCALE: 3/4" = 1'-0"
REF: S104



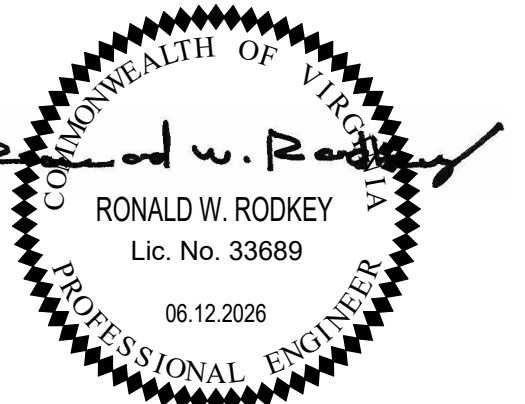
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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: JM CHECKED BY: RWR DRAWN BY: HFR

SHEET ISSUE DATE: 06.12.2026

PROJECT PHASE: BID DOCUMENTS

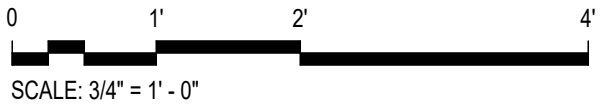
SHEET REVISIONS:

PLAN NORTH SITE NORTH

SHEET NAME: SECTIONS AND DETAILS

SHEET NUMBER:

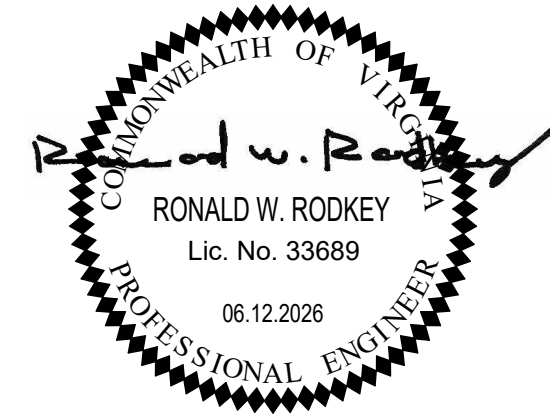
S503



**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: **24112**

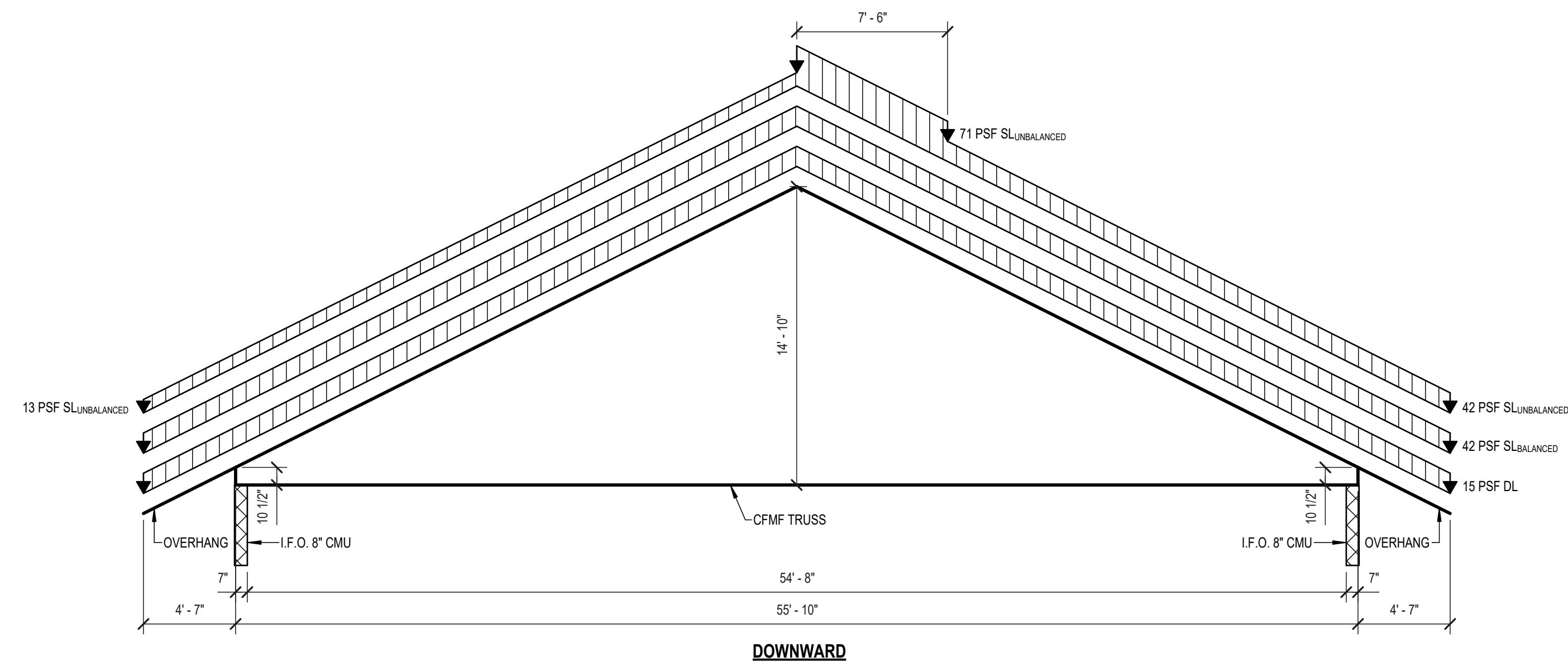


PROJ. MGR.: **JM** CHECKED BY: **RWR** DRAWN BY: **HFR**

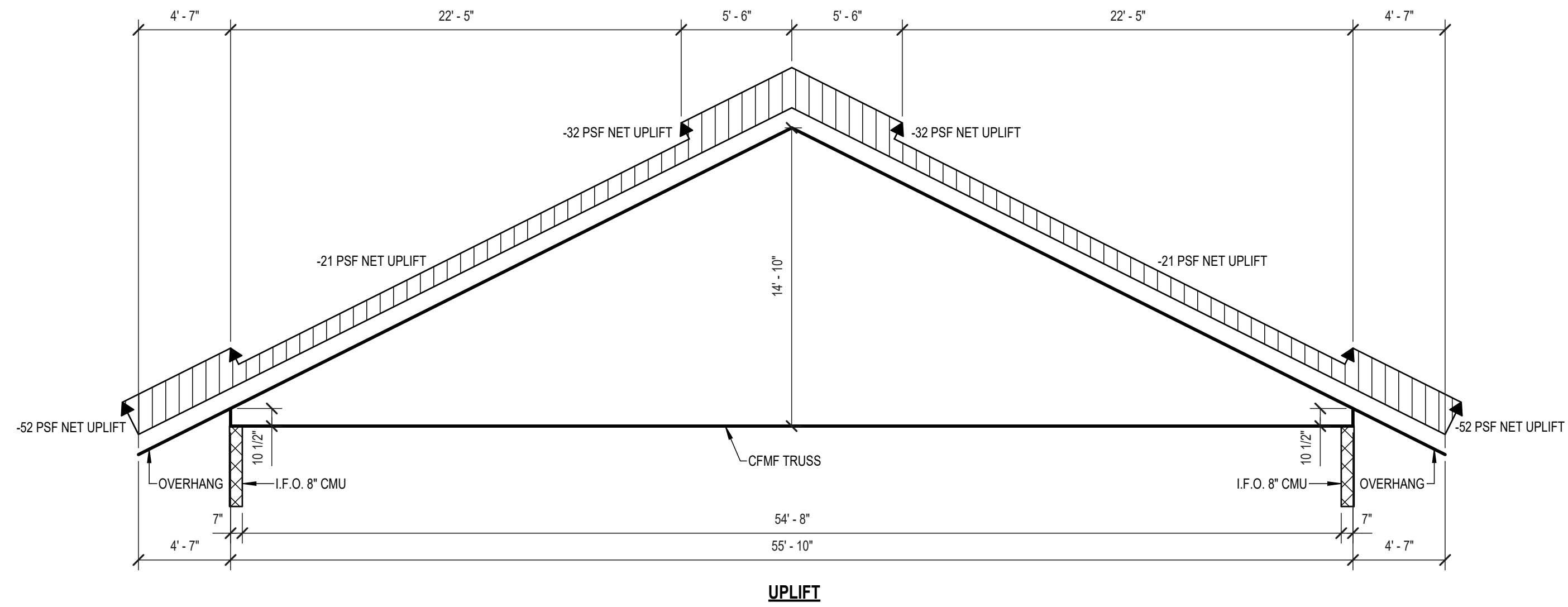
SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

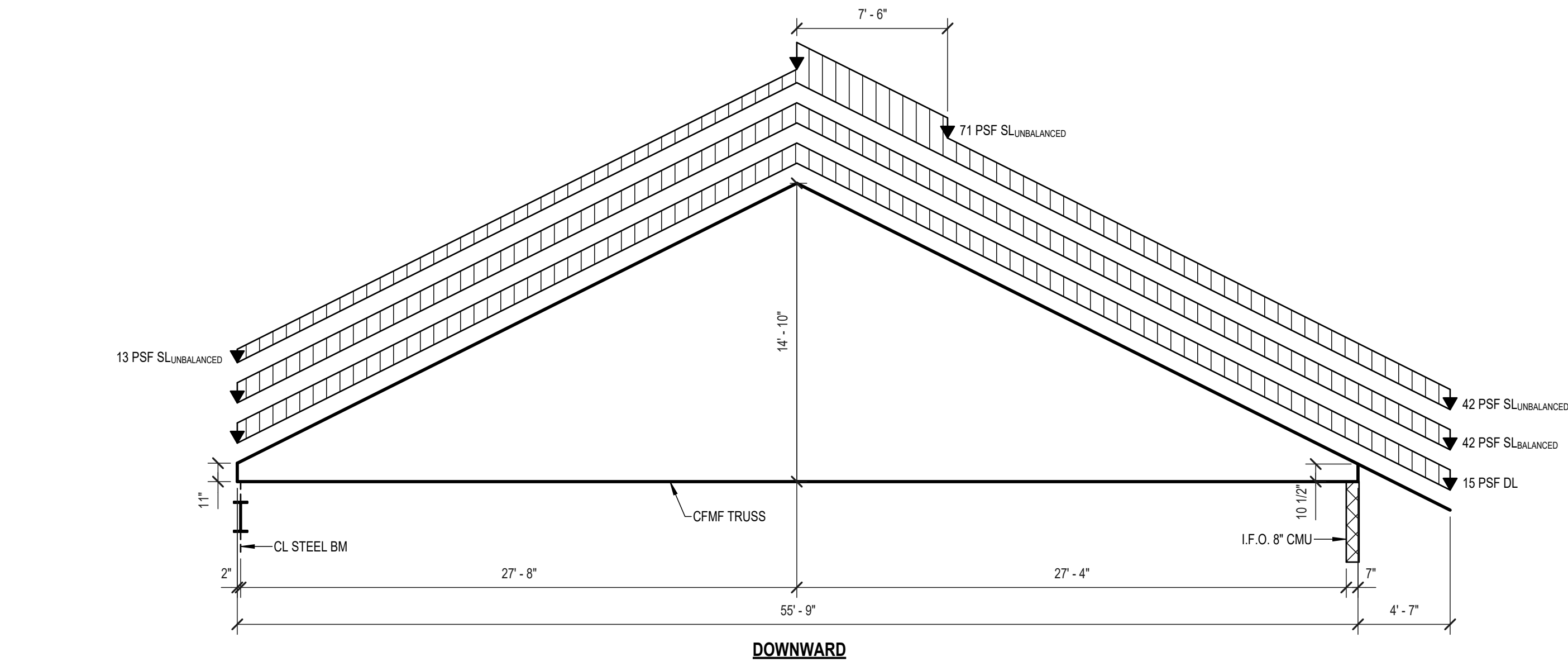
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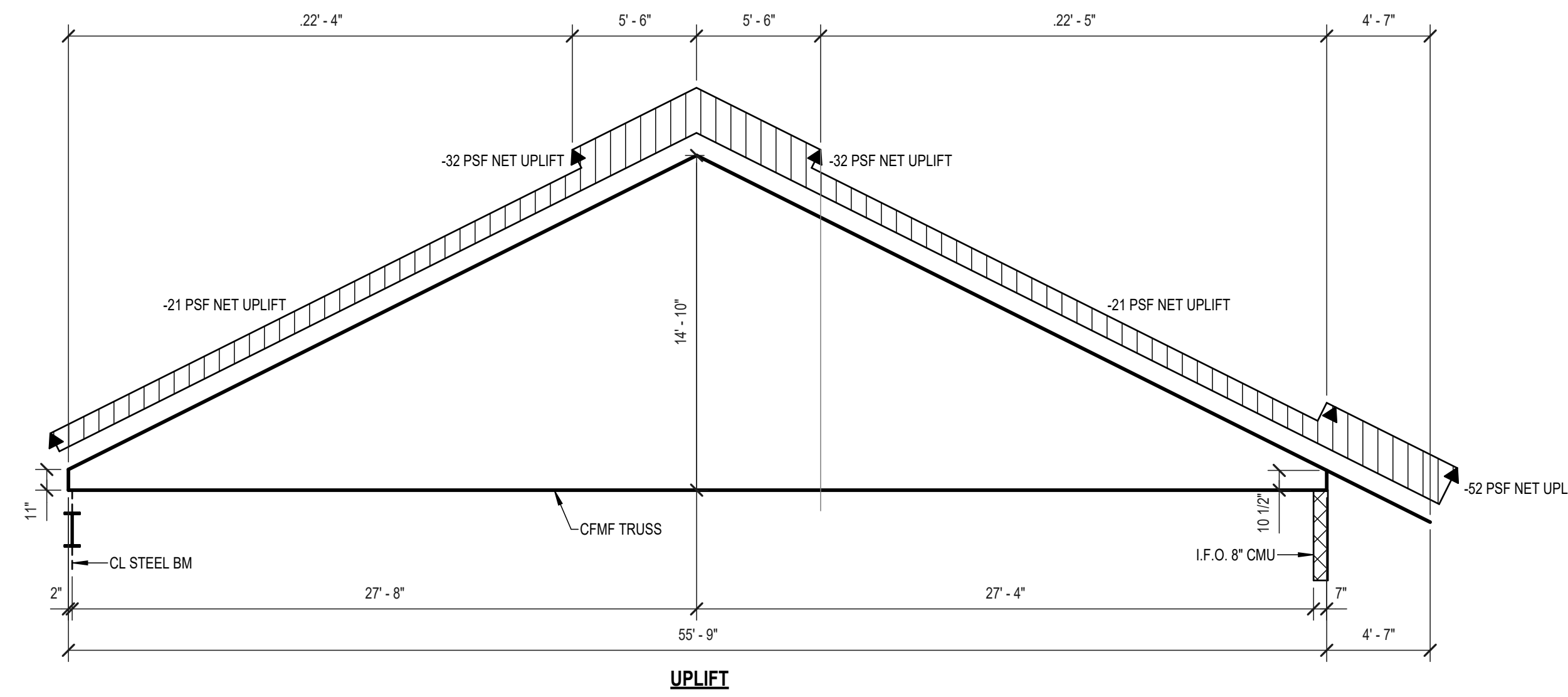
ROOF TRUSS RT1



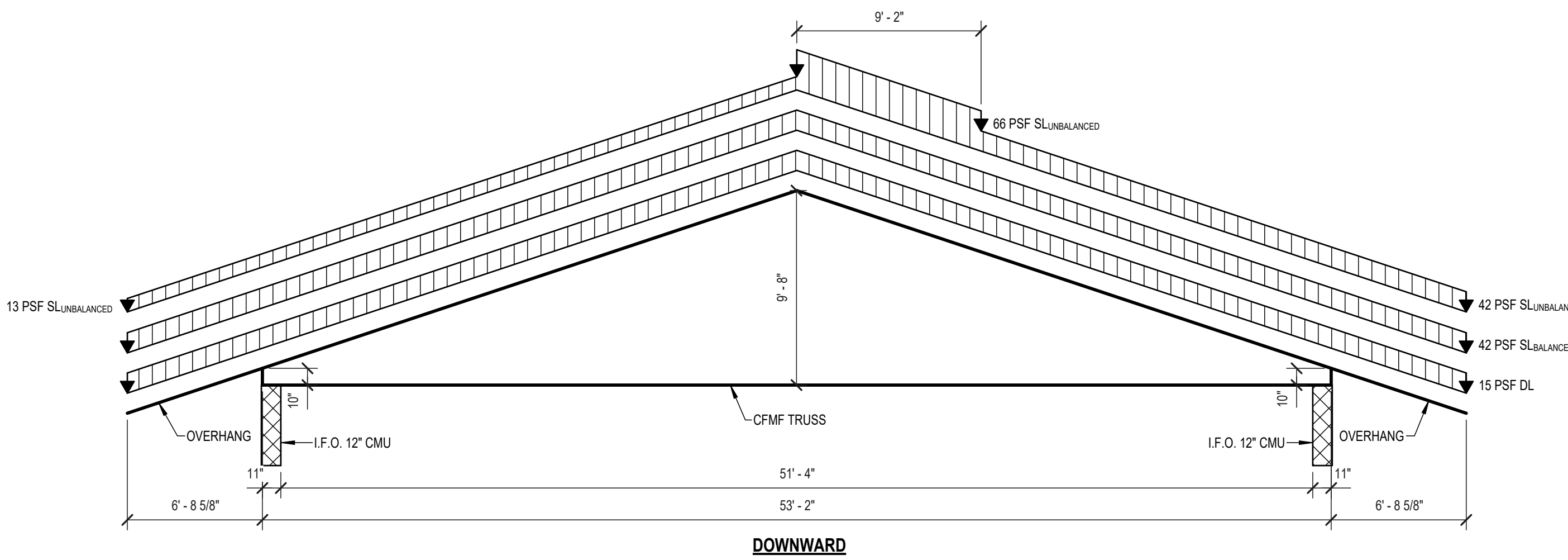
UPLIFT



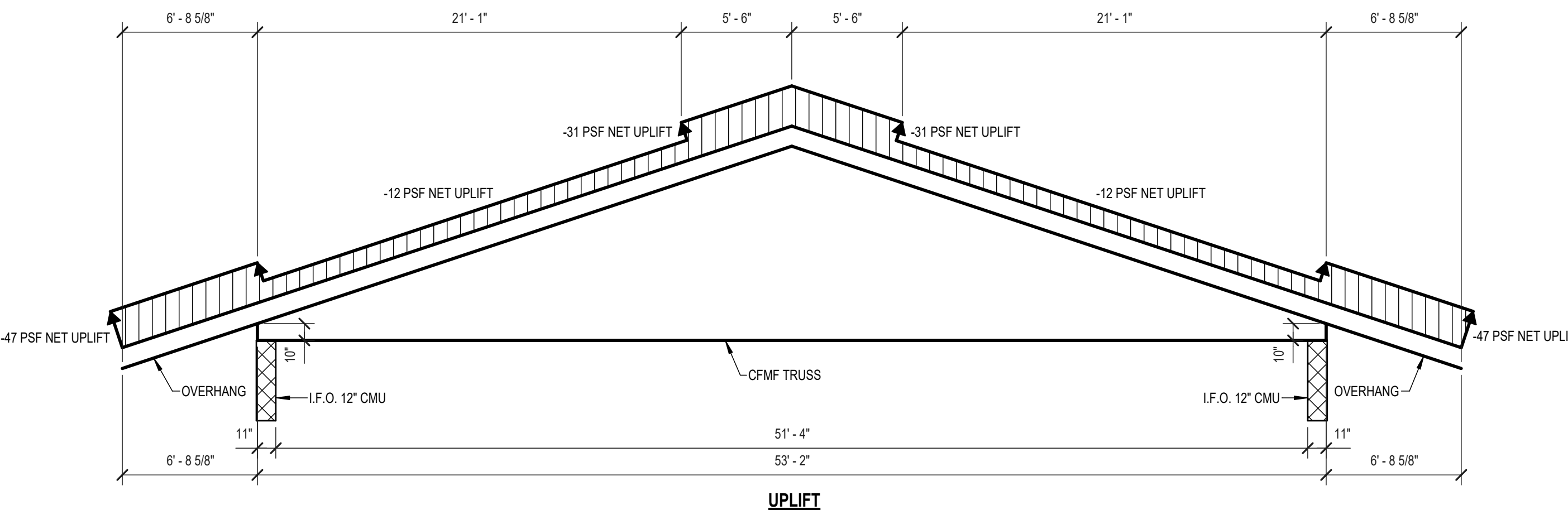
ROOF TRUSS RT2



UPLIFT



ROOF TRUSS RT3



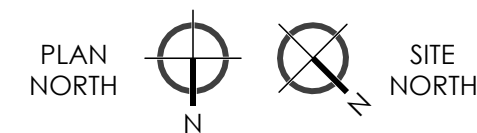
UPLIFT

ROOF TRUSS LOADING DIAGRAMS

SCALE: 3/16" = 1'-0"

NOTES:

1. DEAD LOAD DOES NOT INCLUDE TRUSS SELF-WEIGHT.
2. BALANCED AND UNBALANCED SNOW LOADS SHALL NOT BE APPLIED SIMULTANEOUSLY.
3. UNBALANCED SNOW LOAD SHALL APPLIED TO EACH SIDE OF TRUSS.
4. DOWNWARD LOADS FOR "TRUSS RT2" DO NOT INCLUDE ADDITIONAL LOADS DUE TO OVERBUILD.
5. UPLIFT LOADS ARE BASED ON THE LOAD COMBINATION 0.6D+0.6W.

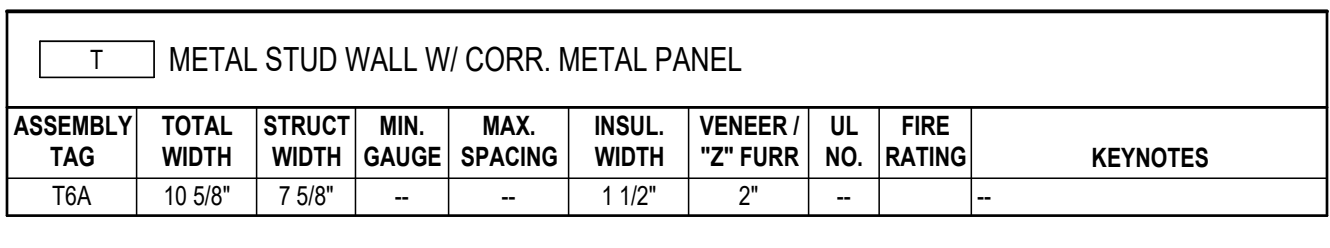
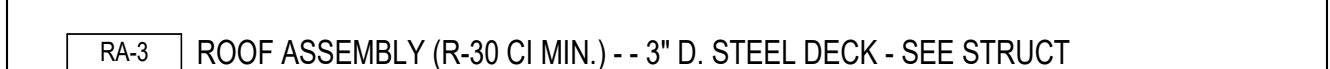
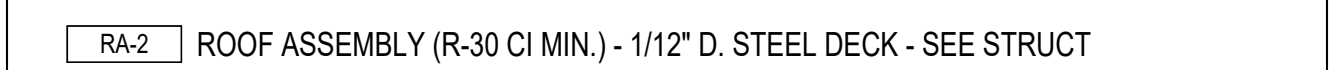
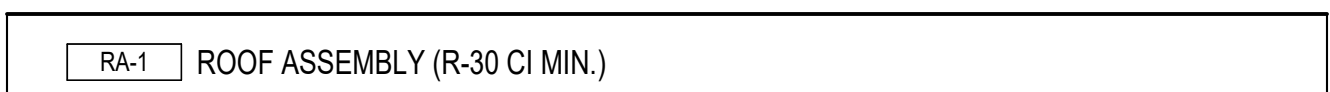
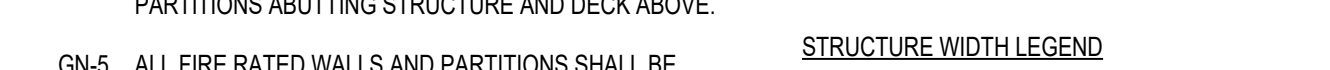
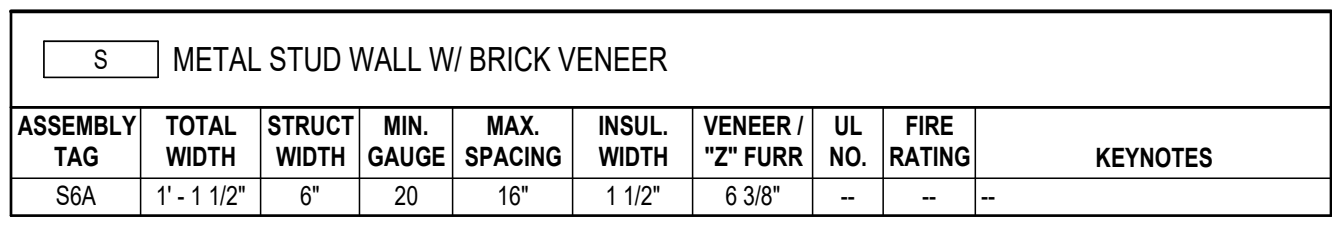
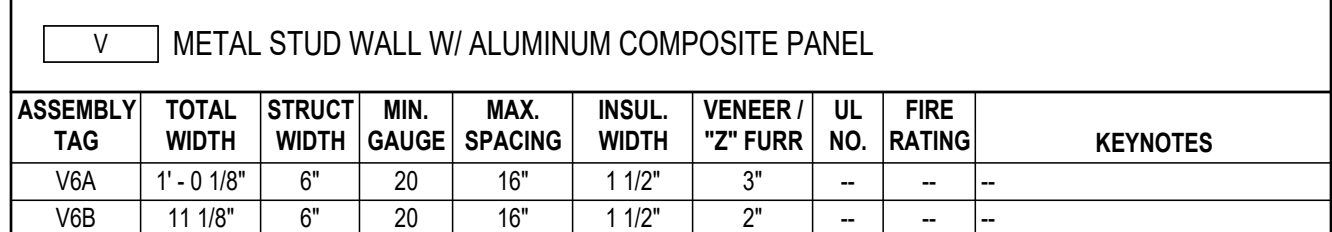
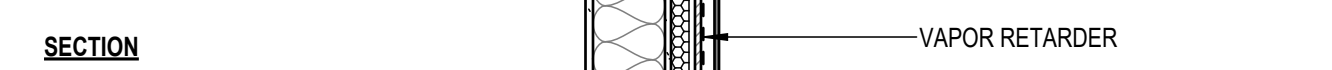
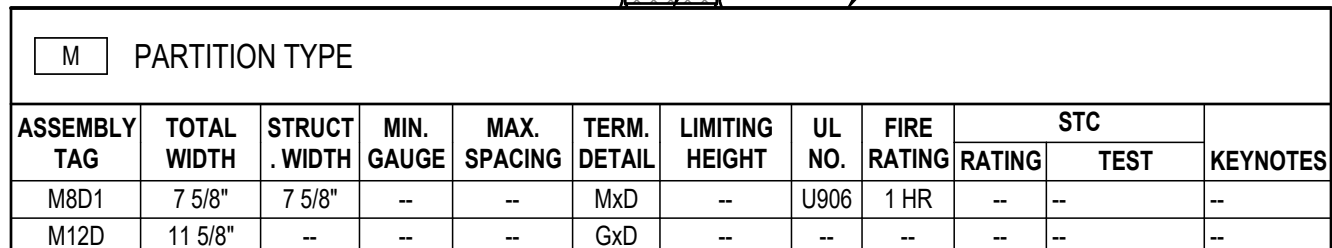
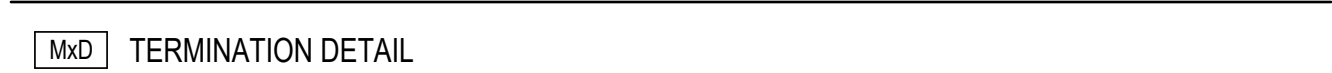
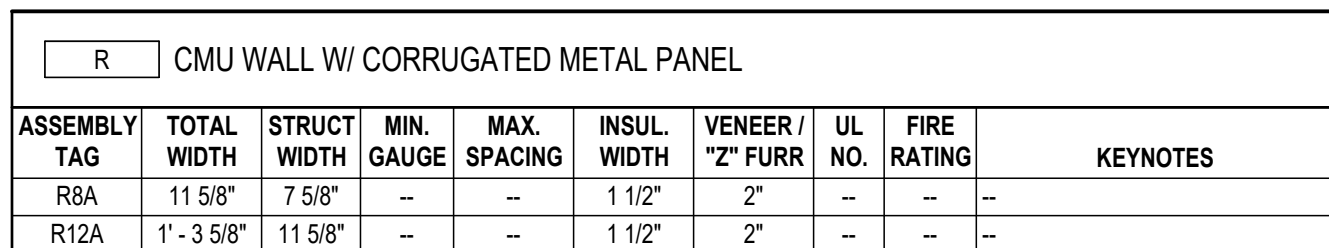
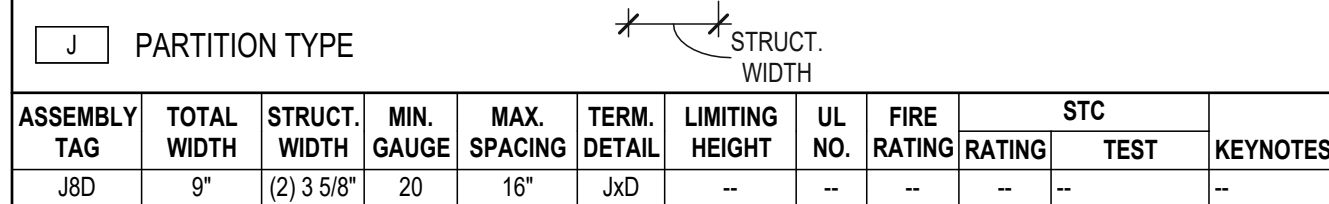
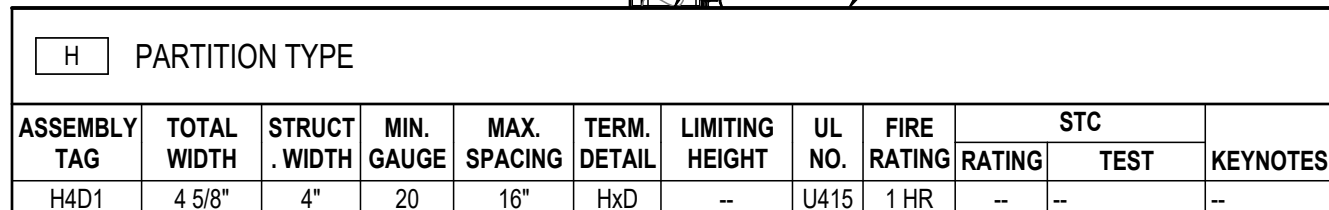
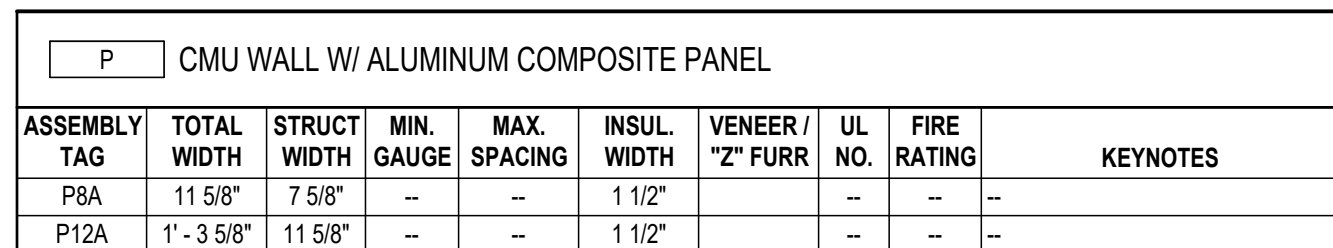
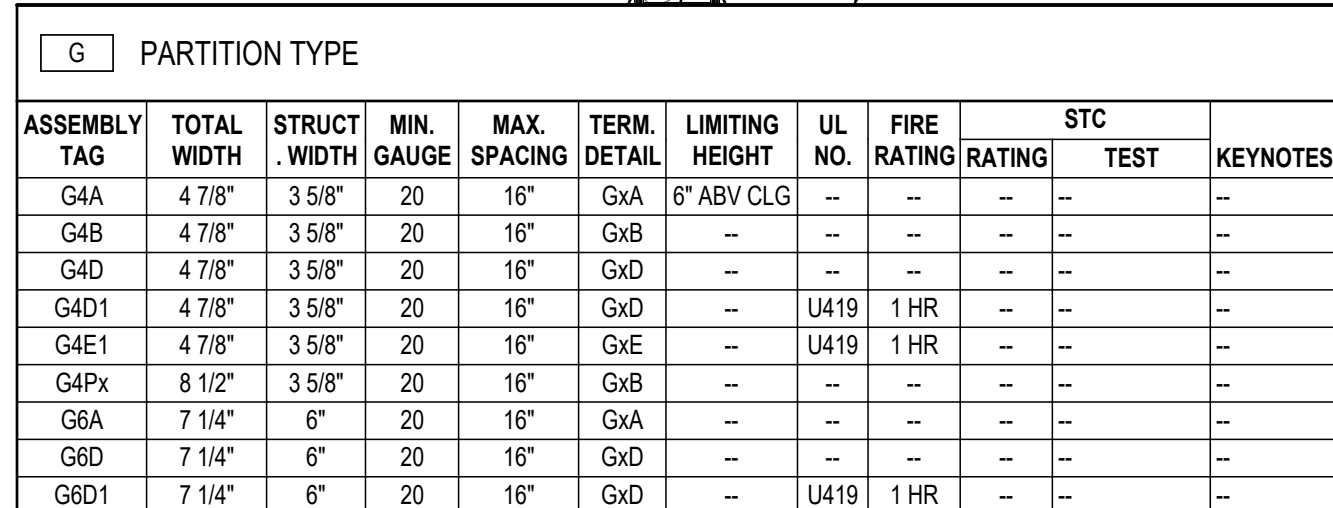
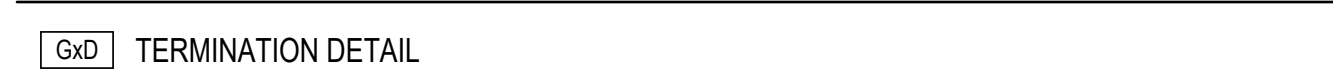
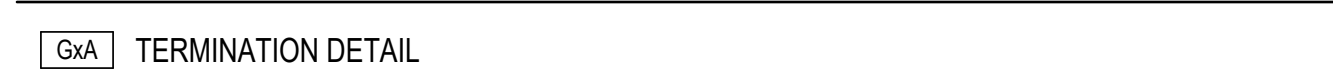
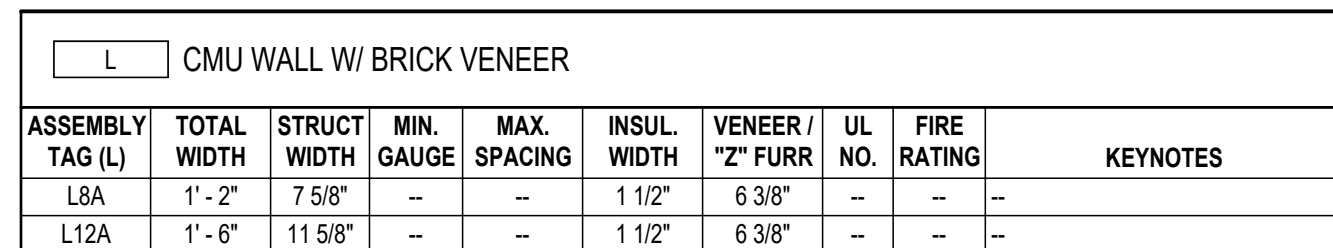
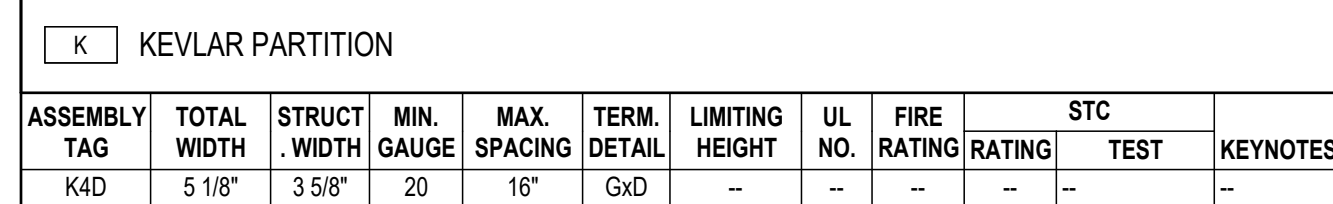
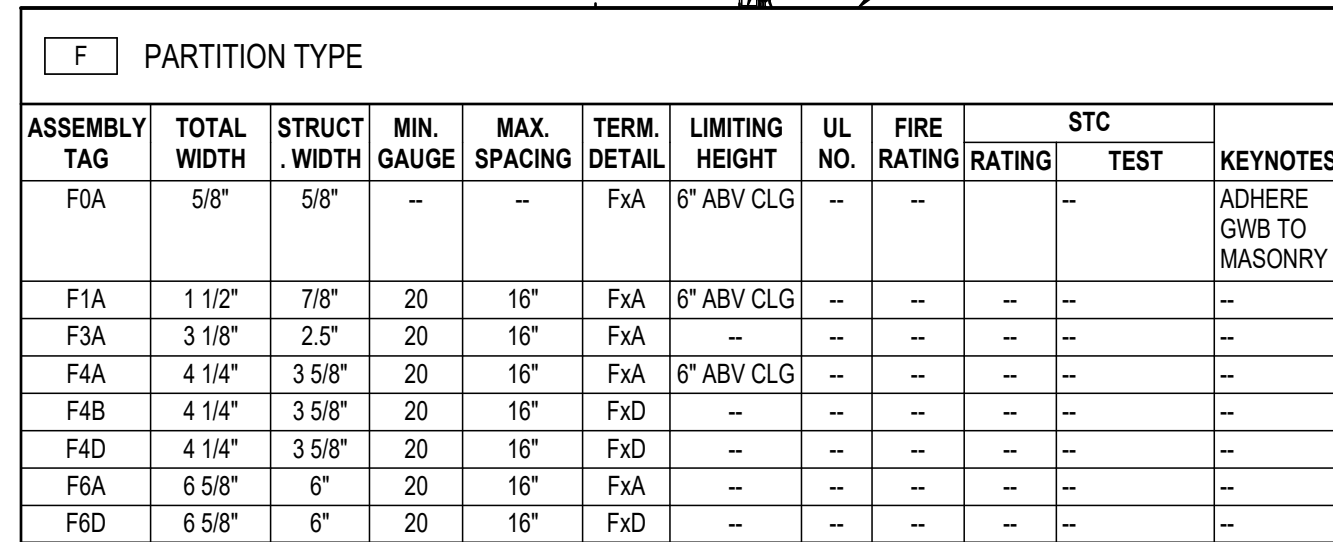
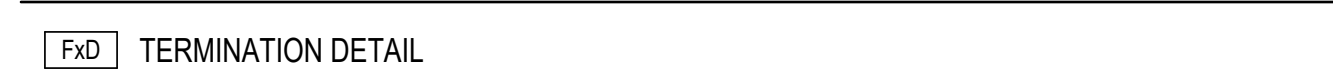


SHEET NAME:

LOADING DIAGRAMS

SHEET NUMBER:

S602



STRUCTURE WIDTH LEGEND

NOMINAL WIDTH	METAL STUD / FURRING	BRICK / CMU	CONCRETE	WOOD
1	7/8"	--	--	3/4"
2	1 5/8"	--	--	1 1/2"
3	2 1/2"	--	--	2 1/2"
4	3 5/8"	3 5/8"	4"	3 1/2"
6	6"	5 5/8"	6"	5 1/2"
8	8"	7 5/8"	8"	7 1/4"
10	10"	9 5/8"	10"	9 1/4"
12	12"	11 5/8"	12"	11 1/4"

ATTIC SPACE, THE FIRE WALLS, FIREBARRIERS, AND CEILING ARE REQUIRED TO HAVE PROTECTED OPENINGS OR DOORS ON THE INSIDE OF ALL CEILING ACCESS DOORS. THESE DOORS MUST BE IDENTIFIED BY SIGNAGE HAVING LETTERS NO SMALLER THAN 1/2 INCH. THE FIRE RESISTANCE RATING OF THE ASSEMBLY AND THE MAXIMUM INTERVALS OF NO MORE THAN EIGHT FEET, AND THE MAXIMUM HEIGHT OF NO MORE THAN EIGHT FEET, AN HOUR FIRE PARTITION."

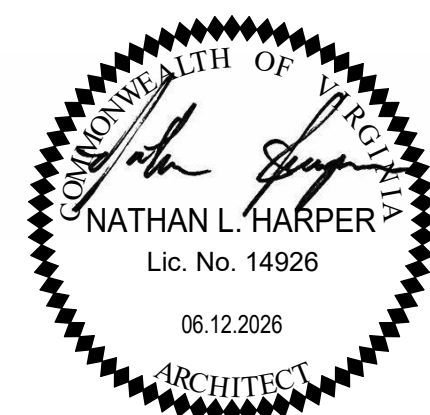


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**DEPARTMENT OF SOCIAL
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BEDFORD COUNTY

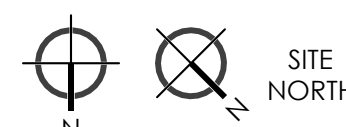
SPECTRUM DESIGN PROJECT NO.: **24112**

PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

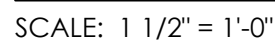
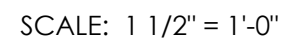
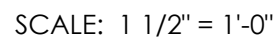
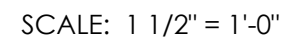
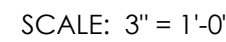


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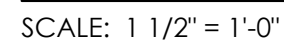
PARTITION TYPES, EXTERIOR WALL & ROOF ASSEMBLIES

SHEET NUMBER:

A002



1. PARTITIONS OR FURRING EXCEEDING 30'-0" SPANS HORIZONTAL OR VERTICAL.
2. WHERE PARTITION ABUTS A STRUCTURAL ELEMENT OR DISSIMILAR WALL.
3. IF CONTROL JOINT LOCATION OCCURS AT DOOR OR WINDOW OPENING, PROVIDE CONTROL JOINTS AT EACH SIDE OF OPENING, ALIGNED WITH EDGE OF FRAME.
4. AT ANY LOCATION OBSERVED TO HAVE EXCESS MOVEMENT DURING CONSTRUCTION.
5. AT CHANGES WITHIN PLANE OF PARTITION.
6. AT EXPANSION JOINTS.



SCALE: 3" = 1'-0"



BEDFORD COUNTY

COMMONWEALTH OF VIRGINIA
NATHAN L. HARPER
Lic. No. 14926
06.12.2026
ARCHITECT

SHEET ISSUE DATE

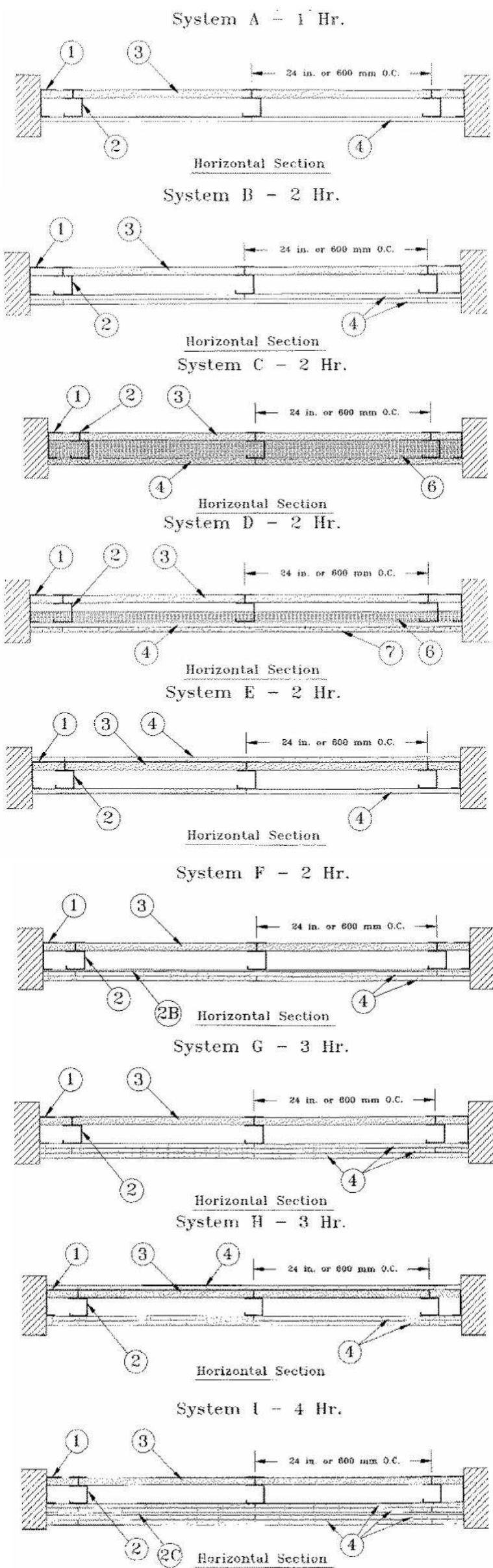
SHEET REVISIONS:



SHEET NUMBER:

A003

NONBEARING WALL RATINGS—1, 2, 3 OR 4 HR
THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL
OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.



1. FLOOR, SIDE AND CEILING RUNNERS—“J”- SHAPED RUNNER, MIN 2-1/2 IN. DEEP (MIN 4 IN. DEEP WHEN SYSTEM C IS USED, WITH UNEQUAL LEGS OF 1 IN. AND 2 IN., FABRICATED FROM MIN 24 MSG (MIN 20 MSG WHEN ITEM 4A, 4B, 4C, 4D OR 7 ARE USED); GALV STEEL RUNNERS POSITIONED WITH SHORT LEG TOWARD FINISHED SIDE OF WALL. RUNNERS ATTACHED TO STRUCTURAL SUPPORTS WITH STEEL FASTENERS LOCATED NOT GREATER THAN 2 IN. FROM ENDS AND NOT GREATER THAN 24 IN. OC. “E”- SHAPED STUDS (ITEM 2A) MAY BE USED AS SIDE RUNNERS IN PLACE OF “J”- SHAPED RUNNERS. RUNNERS MAY BE SUPPLIED WITH SECUREMENT TABS FOR GYPSUM LINER PANELS (REFER TO ITEM 3).

1A. STEEL FRAMING MEMBERS (FLOOR, SIDE, AND CEILING RUNNERS)—AS AN ALTERNATE TO ITEM 1, “J”-SHAPED RUNNER, MIN 2-1/2 IN. DEEP, WITH UNEQUAL LEGS OF 1 IN. AND MIN 2-1/4 IN. FABRICATED FROM MIN. 25 MSG GALV. STEEL (MIN 20 MSG WHEN ITEM 4A, 4B, 4C, 4D, OR 7 ARE USED). RUNNER POSITIONED WITH SHORT LEG TOWARD FINISHED SIDE OF WALL. RUNNERS ATTACHED TO STRUCTURAL SUPPORTS WITH STEEL FASTENERS LOCATED NOT GREATER THAN 2 IN. FROM ENDS AND NOT GREATER THAN 24 IN. OC. RUNNERS MAY BE SUPPLIED WITH SECUREMENT TABS FOR GYPSUM LINER PANELS (REFER TO ITEM 3).

SCAFFO STEEL STUD MANUFACTURING CO—ISTUD SHAFTHALL STEEL FRAMING SYSTEM

2. STEEL STUDS—“C”-H- SHAPED STUDS, MIN 2-1/2 IN. DEEP (MIN 4 IN. DEEP WHEN SYSTEM C IS USED), FABRICATED FROM MIN 25 MSG (MIN 20 MSG WHEN ITEMS 2D, 4A, 4B, 4C, 4D OR 7 IS USED) GALV STEEL. CUT TO LENGTHS 3/8 TO 1/2 IN. LESS THAN FLOOR-TO-CEILING HEIGHT AND SPACED 24 IN. OR 600 MM OC (MAX 16 IN. OC WHEN ITEMS 4A, 4B, 4C, 4D ARE USED).

2A. STEEL STUDS—(NOT SHOWN)—“E”- SHAPED STUDS INSTALLED BACK TO BACK IN PLACE OF “C”-H- SHAPED STUDS (ITEM 2). “E”- SHAPED STUDS SECURED TOGETHER WITH STEEL SCREWS AT A MAXIMUM 12 IN. OC. FABRICATED FROM MIN 25 MSG (MIN 20 MSG WHEN ITEM 2D, 4A, 4B, OR 7 IS USED) GALV STEEL, MIN 2-1/2 IN. DEEP (MIN 4 IN. DEEP WHEN SYSTEM C IS USED), WITH ONE LESS 1 IN. LONG AND TWO LESS 3/4 IN. LONG, SHORTER LEGS 1 IN. APART TO ENGAGE GYPSUM LINER PANELS, CUT TO LENGTHS 3/8 TO 1/2 IN. LESS THAN FLOOR TO CEILING HEIGHTS.

2B. FURRING CHANNELS—(OPTIONAL, NOT SHOWN)—FOR USE WITH SINGLE OR DOUBLE LAYER SYSTEMS. RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25 MSG CORROSION PROTECTED STEEL. INSTALLED HORIZONTALLY AND SPACED VERTICALLY A MAX 24 IN. OC. FLANGE PORTION OF CHANNEL ATTACHED TO EACH INTERSECTING “C”-H OR “E” STUD ON SIDE OF STUD OPPOSITE THE 1 IN. LINER PANELS WITH 1/2 IN. LONG TYPE S OR S-12 PAN-HEAD STEEL SCREWS. WHEN FURRING CHANNELS TO BE INSTALLED VERTICALLY ONLY, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).

2C. FURRING CHANNELS—FOR USE WITH SYSTEM I, “HAT”- SHAPED, 25 MSG GALV STEEL FURRING CHANNELS ATTACHED DIRECTLY OVER THE INNER LAYERS OF WALLBOARD TO EACH STUD WITH 2 IN. LONG TYPE S PAN HEAD STEEL SCREWS. SCREWS ALTERNATE FROM TOP FLANGE TO BOTTOM FLANGE AT EACH STUD INTERSECTION. FURRING CHANNELS SPACED VERTICALLY MAX 24 IN. OC.

2D. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—FOR USE WITH SINGLE OR DOUBLE LAYER SYSTEMS. FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).
A. FURRING CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, 2-9/16 IN. OR 2-23/32 IN. WIDE BY 7/8 IN. DEEP. SPACED MAX. 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD INSTALLED VERTICALLY ONLY AND ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH FURRING CHANNELS (ITEM 2EA) TO STUDS (ITEM 2 OR 2A). CLIPS SPACED MAX. 24 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. RSIC-1 CLIP FOR USE WITH 2-9/16 IN. WIDE FURRING CHANNELS. RSIC-1 (2.75) CLIP FOR USE WITH 2-23/32 IN. WIDE FURRING CHANNELS.

PAC INTERNATIONAL L L C—TYPES RSIC-1, RSIC-1 (2.75)

2E. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).
A. FURRING CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD INSTALLED VERTICALLY ONLY AND ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH FURRING CHANNELS (ITEM 2EA) TO STUDS (ITEM 2 OR 2A). CLIPS SPACED MAX. 24 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. RSIC-1 CLIP FOR USE WITH 2-9/16 IN. WIDE FURRING CHANNELS. RSIC-1 (2.75) CLIP FOR USE WITH 2-23/32 IN. WIDE FURRING CHANNELS.

2F. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—FOR USE WITH SINGLE OR DOUBLE LAYER SYSTEMS. FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).

A. FURRING CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD INSTALLED VERTICALLY ONLY AND ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH FURRING CHANNELS (ITEM 2EA) TO STUDS (ITEM 2 OR 2A). CLIPS SPACED MAX. 24 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. RSIC-1 CLIP FOR USE WITH 2-9/16 IN. WIDE FURRING CHANNELS. RSIC-1 (2.75) CLIP FOR USE WITH 2-23/32 IN. WIDE FURRING CHANNELS.

2G. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—FOR USE WITH SINGLE OR DOUBLE LAYER SYSTEMS. FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).

A. FURRING CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD INSTALLED VERTICALLY ONLY AND ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH FURRING CHANNELS (ITEM 2EA) TO STUDS (ITEM 2 OR 2A). CLIPS SPACED MAX. 24 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. RSIC-1 CLIP FOR USE WITH 2-9/16 IN. WIDE FURRING CHANNELS. RSIC-1 (2.75) CLIP FOR USE WITH 2-23/32 IN. WIDE FURRING CHANNELS.

2H. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—FOR USE WITH SINGLE OR DOUBLE LAYER SYSTEMS. FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).

A. FURRING CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD INSTALLED VERTICALLY ONLY AND ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH FURRING CHANNELS (ITEM 2EA) TO STUDS (ITEM 2 OR 2A). CLIPS SPACED MAX. 24 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. RSIC-1 CLIP FOR USE WITH 2-9/16 IN. WIDE FURRING CHANNELS. RSIC-1 (2.75) CLIP FOR USE WITH 2-23/32 IN. WIDE FURRING CHANNELS.

2I. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—FOR USE WITH SINGLE OR DOUBLE LAYER SYSTEMS. FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).

A. FURRING CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD INSTALLED VERTICALLY ONLY AND ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH FURRING CHANNELS (ITEM 2EA) TO STUDS (ITEM 2 OR 2A). CLIPS SPACED MAX. 24 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS. RSIC-1 CLIP FOR USE WITH 2-9/16 IN. WIDE FURRING CHANNELS. RSIC-1 (2.75) CLIP FOR USE WITH 2-23/32 IN. WIDE FURRING CHANNELS.

2J. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).

A. FURRING CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND TIED TOGETHER WITH DOUBLE STRAND OF NO. 18 AWG GALVANIZED STEEL WIRE. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH FURRING CHANNELS (ITEM 2EA) TO STUDS. CLIPS SPACED 24 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

REGIOU, AMERICA—TYPE SONCLIP

2K. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—RESILIENT CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).

A. RESILIENT CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC. AND PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. ENDS OF ADJOINING CHANNELS OVERLAPPED 6 IN. AND SECURED IN PLACE WITH TWO NO. 5 X 15 X 1/2 IN. PHILIPS MODIFIED TRUSS SCREWS SPACED 2-1/2 IN. FROM THE CENTER OF THE OVERLAP. GYPSUM BOARD ATTACHED TO RESILIENT CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH RESILIENT CHANNELS (ITEM 2KA) TO STUDS. CLIPS SPACED 48 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREW THROUGH THE CENTER HOLE. RESILIENT CHANNELS ARE SECURED TO STUDS WITH ONE NO. 10 X 1/2 IN. PAN-HEAD SELF-DRILLING SCREW.

KEENE BUILDING PRODUCTS CO INC—TYPE RC+ ASSURANCE CLIP

2L. STEEL FRAMING MEMBERS—(OPTIONAL, NOT SHOWN)—FOR USE WITH SINGLE OR DOUBLE LAYER SYSTEMS. FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW, NOT TO BE USED WITH TYPE FRX-G GYPSUM BOARD, LEAD BACKED GYPSUM BOARDS (ITEMS 4A-4D), OR CEMENTITIOUS BACKER UNITS (ITEM 7).

A. FURRING CHANNELS—FORMED OF NO. 25 MSG GALV STEEL, 2-23/32 IN. WIDE BY 7/8 IN. DEEP. SPACED MAX. 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD INSTALLED VERTICALLY ONLY AND ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 4.
B. STEEL FRAMING MEMBERS—USED TO ATTACH FURRING CHANNELS (ITEM 2LA) TO STUDS (ITEM 2 OR 2A). CLIPS SPACED MAX. 24 IN. OC. AND SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

CLARKDIERICH BUILDING SYSTEMS—TYPE CLARKDIERICH SOUND CLIP

2M. STEEL STUDS—(NOT SHOWN)—“C”-H- SHAPED STUDS, MIN 2-1/2 IN. DEEP (MIN 4 IN. DEEP WHEN SYSTEM C IS USED), FABRICATED FROM MIN. 25 MSG (MIN. 20 MSG WHEN ITEMS 2D, 4A, 4B, 4C, 4D, OR 7 IS USED) GALV STEEL. CUT TO LENGTHS 3/8 TO 1/2 IN. LESS THAN FLOOR-TO-CEILING HEIGHT AND SPACED 24 IN. OR 600 MM OC (MAX. 16 IN. OC WHEN ITEMS 4A, 4B, 4C, 4D, OR 4E ARE USED).

2N. STEEL STUDS—AS AN ALTERNATE TO ITEM 2, FOR USE WITH ITEM 1A—“T”-SHAPED STUDS FABRICATED FROM MIN. 25 MSG GALV STEEL (MIN 20 MSG WHEN ITEM 4A, 4B, 4C, 4D, OR 7 ARE USED). MIN. 2-1/2 IN. DEEP. 1-1/2 IN. WIDE. STUDS INSTALLED VERTICALLY AND ATTACHED TO STUDS WITH 1-1/4 IN. LONG TYPE S STEEL SCREWS SPACED 12 IN. OC. ALONG VERTICAL EDGES AND 12 IN. OC IN THE FIELD. WHEN INSTALLED HORIZONTALLY, HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. SCREWS ALONG SIDES OF STUDS OFFSET 4 IN. REQUIRES MIN 4 IN. DEEP FRAMING PER ITEMS 1, 2 AND 3. REQUIRES MIN 3 IN. THICK MINERAL WOOL BATTS PER ITEM 6.

SCAFFO STEEL STUD MANUFACTURING CO—ISTUD SHAFTHALL STEEL FRAMING SYSTEM

3. GYPSUM BOARD—GYPSUM LINER PANELS, NOM 1/2 IN. THICK, 24 IN. OR 600 MM (FOR METRIC SPACING) WIDE. PANELS CUT 1 IN. LESS IN LENGTH THAN FLOOR TO CEILING HEIGHT. VERTICAL EDGES INSERTED INT’ SHAPED SECTION OF C-T STUDS, “H” PORTION OF “C”-H STUDS. THE HOLDING TABS OF THE “T” SHAPED STUD, OR THE GAP BETWEEN THE TWO 3/4 IN. LEGS OF THE “C” STUDS, FREE EDGE OF END PANELS ATTACHED TO LONG LEG OF VERTICAL “J”- RUNNERS WITH 1-5/8 IN. LONG TYPE S STEEL SCREWS SPACED NOT GREATER THAN 12 IN. OC. WHEN WALL HEIGHT EXCEEDS LINER PANEL LENGTH, LINER PANEL MAY BE THICK TO EXTEND TO THE FULL HEIGHT OF THE WALL. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. IN SYSTEM I, BUT, JOINTS IN LINER PANELS ARE STAGGERED MIN 9 IN. BUT, JOINTS BACKED WITH 6 IN. BY 22 IN. STRIPS OF 3/4 IN. THICK GYPSUM WALLBOARD (ITEM 4). WALLBOARD STRIPS CENTERED OVER BUTT JOINTS AND SECURED TO LINER PANELS WITH 5/16 X 1-1/2 IN. LONG TYPE S STEEL SCREWS. THREE SCREWS ALONG THE 22 IN. DIMENSION AT THE TOP AND BOTTOM OF THE STRIPS FOR ALL SYSTEMS. WHEN J-SHAPED RUNNERS (ITEM 1) ARE SUPPLIED, THE SECUREMENT TABS, FREE EDGE OF END PANELS MAY BE SECURED BY BENDING THE SECUREMENT TABS, MAX. 12 IN. OC. TO A 90 DEGREE ANGLE TO SECURELY FRICTION-FIT PANELS IN J-SHAPED RUNNERS.

CGC INC—TYPE SLX

UNITED STATES GYPSUM CO—TYPE SLX

USG BORAL DRYWALL SFZ LLC—TYPE SLX

USG MEXICO S A DE C V—TYPE SLX

UNITED STATES GYPSUM CO—TYPE SLX

USG BORAL DRYWALL SFZ LLC—TYPE SLX

USG MEXICO S A DE C V—TYPE SLX

UNITED STATES GYPSUM CO—TYPE SLX

USG BORAL DRYWALL SFZ LLC—TYPE SLX

USG MEXICO S A DE C V—TYPE SLX

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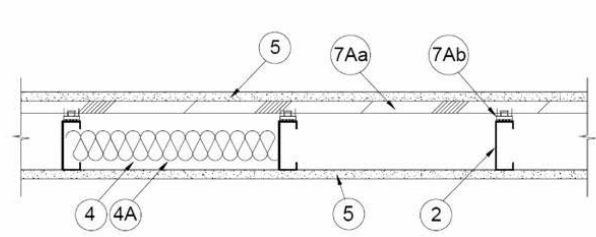
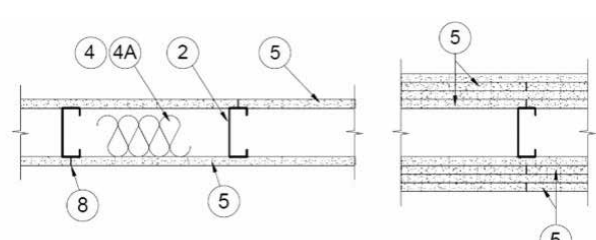
USG MEXICO S A DE C V—TYPE SLX

GYPSUM PANELS, WITH BEVELED, SQUARE OR TAPERED EDGES, NOM 5/8 IN. THICK, 48 IN. OR 1200 MM WIDE, APPLIED VERTICALLY OR HORIZONTALLY, TWO LAYERS OVER THE FLANGE OF THE “C” SECTION OF THE STUDS, ONE LAYER OVER THE FLANGE OF THE “T” SECTION OF THE STUDS. INNER OR BASE LAYER ATTACHED TO STUDS WITH 1 IN. LONG TYPE S STEEL SCREWS SPACED 24 IN. OC WHEN INSTALLED VERTICALLY OR 16 IN. OC WHEN INSTALLED HORIZONTALLY. FACE LAYER ATTACHED TO STUDS WITH 1-5/8

DESIGN NO. U419

DECEMBER 15, 2025

NONBEARING WALL RATINGS—1, 2, 3 OR 4 HR (SEE ITEMS 4 & 5 THROUGH 5J)
*INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA, RESPECTIVELY).



1. FLOOR AND CEILING RUNNERS—(NOT SHOWN)—FOR USE WITH ITEM 2—CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

1A. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—IN LIEU OF ITEM 1—FOR USE WITH ITEM 2B, PROPRIETARY CHANNEL SHAPED RUNNERS, 3-5/8 IN. DEEP ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

CENCO, LLC—TYPE VPER22™ TRACK
CRACO MFG INC.—SMARTTRACKS™
MARINOWARE, DIV OF WARE INDUSTRIES INC.—VIPER22™ TRACK
IMPERIAL MANUFACTURING GROUP INC.—VIPER22™ TRACK

1B. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—IN LIEU OF ITEM 1—FOR USE WITH ITEM 2C, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY 3-5/8 IN. DEEP FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.

CENCO, LLC—TYPE VPER20™ TRACK
MARINOWARE, DIV OF WARE INDUSTRIES INC.—VIPER20™ TRACK
IMPERIAL MANUFACTURING GROUP INC.—VIPER20™ TRACK

1C. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—IN LIEU OF ITEM 1—CHANNEL SHAPED, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

ALLSTEEL & GYPSUM PRODUCTS INC.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
CONSOLIDATED FABRICATORS CORP. BUILDING PRODUCTS DIV.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
QAUIL RUN BUILDING MATERIALS INC.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
SCAFO STEEL STUD MANUFACTURING CO.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
STEEL CONSTRUCTION SYSTEMS INC.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
TELLING INDUSTRIES L.L.C.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
UNITED METAL PRODUCTS INC.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20

1D. FLOOR AND CEILING RUNNERS—(NOT SHOWN)—FOR USE WITH ITEM 2A—CHANNEL SHAPED, FABRICATED FROM MIN 20 MSG CORROSION-PROTECTED OR GALV STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED MAX 24 IN. OC.

1E. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 1)—FOR USE WITH ITEMS 2E, 5F OR 5G OR ONLY 1 CHANNEL SHAPED, FABRICATED FROM MIN 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

CLARKDIETRIKH BUILDING SYSTEMS—CD PROTRAK
DIFWCBS L.L.C.—PROTRAK
MBA METAL FRAMING—PROTRAK
RAM SALES L.L.C.—RAM PROTRAK
STEEL STRUCTURAL PRODUCTS L.L.C.—TRI-S PROTRAK
THE MILL STEEL COMPANY—PROTRAK

1F. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—IN LIEU OF ITEM 1)—FOR USE WITH ITEM 2F, PROPRIETARY CHANNEL SHAPED RUNNERS, MINIMUM WIDTH TO ACCOMMODATE STUD SIZE, WITH 1-1/8 IN. LONG LEGS FABRICATED FROM MIN 0.015 IN. (MIN BARE METAL THICKNESS) GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.

SUPER STUD BUILDING PRODUCTS—THE EDGE

1G. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—FOR USE WITH ITEM 2G, PROPRIETARY CHANNEL SHAPED RUNNERS, MINIMUM WIDTH TO ACCOMMODATE STUD SIZE ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

STUCCO BUILDING SYSTEMS—CROSTUD TRACK

1H. FLOOR AND CEILING RUNNERS—(NOT SHOWN)—CHANNEL SHAPED, FABRICATED FROM MIN 0.02 IN. GALV STEEL, MIN WIDTH TO ACCOMMODATE STUD SIZE, WITH MIN 1 IN. LONG LEGS, FOR USE WITH STUDS SPECIFIED BELOW AND FABRICATED FROM MIN 0.018 IN. GALV STEEL OR THICKER, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED MAX 24 IN. OC.

MARINOWARE, DIV OF WARE INDUSTRIES INC.—VIPER20™ TRACK T100
IMPERIAL MANUFACTURING GROUP INC.—VIPER20™ TRACK T100

1I. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 1)—FOR USE WITH ITEMS 2H, CHANNEL SHAPED, FABRICATED FROM MIN 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

TELLING INDUSTRIES L.L.C.—TRUE-TRAC™

1J. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—IN LIEU OF ITEM 1)—FOR USE WITH ITEM 2J, PROPRIETARY CHANNEL SHAPED RUNNERS, 3-5/8 IN. DEEP ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

1K. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—IN LIEU OF ITEM 1)—FOR USE WITH ITEM 2J, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY 3-5/8 IN. DEEP FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.

1L. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—IN LIEU OF ITEM 1)—FOR USE WITH ITEM 2N, PROPRIETARY CHANNEL SHAPED RUNNERS, 1-1/4 IN. WIDE BY MIN 3-1/2 IN. DEEP FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.

RESCUE METAL FRAMING, L.L.C.—ALPHASTUD

1M. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 1)—FOR USE WITH ITEM 2O, PROPRIETARY CHANNEL SHAPED RUNNERS, MIN WIDTH TO ACCOMMODATE STUD SIZE, GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.

RONDO BUILDING SERVICES PTY LTD—RONDO WALL TRACK

1N. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 1)—FOR USE WITH ITEM 2P, PROPRIETARY CHANNEL SHAPED RUNNERS, MIN WIDTH TO ACCOMMODATE STUD SIZE, GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.

OEGBUILDING MATERIALS—OEGB TRACK

1O. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—IN LIEU OF ITEM 1)—FOR USE WITH ITEM 2O, PROPRIETARY CHANNEL SHAPED RUNNERS, MIN WIDTH TO ACCOMMODATE STUD SIZE, FABRICATED FROM MIN 25 MSG (0.015 IN. MIN. BARE METAL THICKNESS), ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.

CENCO, LLC—TYPE VPER X TRACK

1P. FRAMING MEMBERS—FLOOR AND CEILING RUNNERS—(NOT SHOWN)—ALTERNATE TO ITEM 1)—FOR USE WITH ITEM 2R, CHANNEL SHAPED, PRE-EQUIPPED WITH PROPRIETARY ATTACHMENT CLIPS, MIN 3-5/8 IN. WIDE, LEGS OF TOP RUNNERS MINIMUM 3-1/4 IN. WIDE, LEGS OF BOTTOM RUNNERS MINIMUM 1-1/2 IN. WIDE, RUNNERS ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

CENCO, LLC—TYPE VPER22™

MARINOWARE, DIV OF WARE INDUSTRIES INC.—VIPER22™
IMPERIAL MANUFACTURING GROUP INC.—VIPER22™

2C. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—IN LIEU OF ITEM 2—PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, STUDS CUT 3/8 IN. TO 3/4 IN. LESS IN LENGTH THAN ASSEMBLY HEIGHTS.

CENCO, LLC—TYPE VPER22™

MARINOWARE, DIV OF WARE INDUSTRIES INC.—VIPER22™
IMPERIAL MANUFACTURING GROUP INC.—VIPER22™

2D. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—IN LIEU OF ITEM 2—CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

ALLSTEEL & GYPSUM PRODUCTS INC.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
CONSOLIDATED FABRICATORS CORP. BUILDING PRODUCTS DIV.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
QAUIL RUN BUILDING MATERIALS INC.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
SCAFO STEEL STUD MANUFACTURING CO.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
STEEL CONSTRUCTION SYSTEMS INC.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
TELLING INDUSTRIES L.L.C.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20
UNITED METAL PRODUCTS INC.—TYPE SUPREME D2430EQD AND TYPE SUPREME D20

2E. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 2)—FOR USE WITH ITEMS 5F OR 5G OR 5I OR TYPE ULX ULX ULX, CHANNEL SHAPED STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5F, 5G OR 5I, FABRICATED FROM MIN 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

CLARKDIETRIKH BUILDING SYSTEMS—CD PROSTUD

DIFWCBS L.L.C.—PROSTUD

MBA METAL FRAMING—PROSTUD

RAM SALES L.L.C.—RAM PROSTUD

STEEL STRUCTURAL PRODUCTS L.L.C.—TRI-S PROSTUD

THE MILL STEEL COMPANY—PROSTUD

2F. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—IN LIEU OF ITEM 2—PROPRIETARY CHANNEL SHAPED STEEL STUDS, MINIMUM WIDTH TO ACCOMMODATE STUD SIZE, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

SUPER STUD BUILDING PRODUCTS—THE EDGE

2G. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—IN LIEU OF ITEM 2—PROPRIETARY CHANNEL SHAPED STUDS, MINIMUM WIDTH INDICATED UNDER ITEM 5, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN THE ASSEMBLY HEIGHT.

STUCCO BUILDING SYSTEMS—CROSTUD

2H. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 2)—FABRICATED FROM MIN 0.015 IN. (MIN BARE METAL THICKNESS) GALVANIZED STEEL, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

TELLING INDUSTRIES L.L.C.—TRUE-TRAC™

2I. FRAMING MEMBERS—STEEL STUDS—

2J. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—IN LIEU OF ITEM 2—PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX IF 24 IN. OC, FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, STUDS CUT 3/8 IN. TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2K. FRAMING MEMBERS—STEEL STUDS—AS AN ALTERNATE TO ITEM 2)—FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

EB METAL INC.—NITROSTUD

2L. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 2)—FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

2M. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 2)—FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

2N. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 2)—PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH 3-1/2 IN. AND AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, FABRICATED FROM MIN 0.018 IN. THICK GALV STEEL, STUDS CUT 3/8 IN. TO 3/4 IN. LESS IN LENGTH THAN ASSEMBLY HEIGHT.

RESCUE METAL FRAMING, L.L.C.—ALPHASTUD

2O. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 2)—FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

2P. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 2)—FOR USE WITH ITEM 1, CHANNEL SHAPED STUDS, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

2Q. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 2, FOR USE WITH ITEM 1P)—CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS CLIPPED INTO FLOOR AND CEILING RUNNERS (ITEM 1P) MAX 2-3/8 IN. EXTENSION REVEAL FROM TOP OF STUD TO INSIDE OF CEILING RUNNER.

HYPERFRAME INC.—HYPERSTUD

2R. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 2, FOR USE WITH ITEM 1P)—CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS CLIPPED INTO FLOOR AND CEILING RUNNERS (ITEM 1P) MAX 2-3/8 IN. EXTENSION REVEAL FROM TOP OF STUD TO INSIDE OF CEILING RUNNER.

2S. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—IN LIEU OF ITEM 2)—FOR USE WITH ITEM 1Q, PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, FABRICATED FROM MIN 0.0221 IN. (THICK) GALVANIZED STEEL, STUDS CUT 3/8 IN. TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

JIC INTERNATIONAL DISTRIBUTORS—NON-STRUCTURAL STUDS 3-5/8" AND 6"

2T. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—IN LIEU OF ITEM 2)—FOR USE WITH ITEM 1R, PROPRIETARY CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, FABRICATED FROM MIN 25 MSG (0.018 IN. MIN. BARE METAL THICKNESS), STUDS CUT 3/8 IN. TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2U. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2V. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2W. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2X. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2Y. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2Z. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AA. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AB. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AC. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AD. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AE. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AF. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AG. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AH. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AI. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AJ. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AK. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AL. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AM. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AN. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AO. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AP. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AQ. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AR. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AS. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AT. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AU. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AV. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AW. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AX. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AY. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2AZ. FRAMING MEMBERS—STEEL STUDS—(NOT SHOWN)—ALTERNATE TO ITEM 4 OR 4A, FOR USE WITH TYPE ULX ULX ULX, CHANNEL SHAPED STEEL STUDS, MIN DEPTH AS INDICATED UNDER ITEM 5, SPACED A MAX OF 24 IN. OC, STUDS TO BE CUT 3/8 TO 3/4 IN. LESS IN LENGTHS THAN ASSEMBLY HEIGHTS.

2B. GYPSUM BOARD—(NOT SHOWN)—AS AN ALTERNATE TO ITEM 5 WHEN USED AS THE BASE LAYER ON ONE OR BOTH SIDES OF WALL WHEN 5/8 IN. OR 3/4 IN. THICK PRODUCTS ARE SPECIFIED FOR DIRECT ATTACHMENT ONLY TO STEEL STUDS (ITEM 2A, NOT TO BE USED WITH ITEM 3)—NON 5/8 IN. OR 3/4 IN. MAY BE USED AS ALTERNATE TO ALL 5/8 IN. OR 3/4 IN. SHOWN IN ITEM 5, WALLBOARD PROTECTION ON EACH SIDE OF WALL TABLE, NON 5/8 IN. OR 3/4 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY, VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS, GYPSUM BOARD SECURED TO 20 MSG STEEL STUDS WITH 1-1/4 IN. LONG TYPE 5-1/2 STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD, TO BE USED WITH LEAD BATTEN STRIPS (SEE ITEM 11) OR LEAD DISCS OR TABS (SEE ITEM 12).

RAY-BAR ENGINEERING CORP.—TYPE RB-LBG

2C. GYPSUM BOARD—(FOR USE WITH ITEM 2B)—RATING LIMITED TO 1 HOUR, 5/8 IN. THICK, 48 IN. WIDE, GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY (VERTICAL APPLICATION), THE GYPSUM BOARD IS TO BE INSTALLED ON EACH SIDE OF THE STUDS WITH 1 IN. LONG TYPE 5 COATED STEEL SCREWS SPACED 8 IN. OC STARTING 4 IN. FROM THE EDGE OF THE BOARD AT THE VERTICAL EDGES AND 12 IN. OC STARTING 6 IN. FROM THE EDGE OF THE BOARD AT THE CENTER OF EACH BOARD, GYPSUM BOARDS ARE TO BE SECURED TO THE TOP AND BOTTOM TRACK WITH STARTING SCREWS SPACED 8 IN. OC STARTING 4 IN. FROM THE BOARD EDGE, FASTENERS SHALL NOT PENETRATE THROUGH BOTH THE STUD AND THE TRACK AT THE SAME TIME, ALL HORIZONTAL JOINTS ARE TO BE CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS (HORIZONTAL APPLICATION), THE GYPSUM BOARD IS TO BE INSTALLED ON EACH SIDE OF THE STUDS WITH 1 IN. LONG TYPE 5 COATED STEEL SCREWS SPACED 8 IN. OC STARTING 4 IN. FROM THE EDGE OF THE BOARD AT THE VERTICAL EDGES AND 12 IN. OC STARTING 6 IN. FROM THE EDGE OF THE BOARD AT THE CENTER OF EACH BOARD, GYPSUM BOARDS ARE TO BE SECURED TO THE TOP AND BOTTOM TRACK WITH SCREWS SPACED 8 IN. OC STARTING 4 IN. FROM THE BOARD EDGE, FASTENERS SHALL NOT PENETRATE THROUGH BOTH THE STUD AND THE TRACK AT THE SAME TIME, ALL HORIZONTAL JOINTS ARE TO BE BACKED AS OUTLINED UNDER SECTION VI OF VOLUME 1 IN THE FIRE RESISTIVE DIRECTORY.

CGC INC.—TYPE SCX, ULX

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO.—TYPE SCX

UNITED STATES GYPSUM CO.—TYPE SCX, SCX, ULX, ULX

USG BORAL DRYWALL SFZ LLC—TYPE SCX

GN-1: FINISH GRADES, FOOTINGS, FOUNDATIONS, SIDEWALKS, CURBS, ETC. ARE SHOWN FOR DESIGN INTENT ONLY. SEE CIVIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

GN-2: SITE WALLS AND SITE STAIRS, CURBS, ETC. - SEE CIVIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



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BEDFORD COUNTY

SHEET REVISIONS:

A051 SCALE: 3/64" = 1'-0"

0 16' 32' 64'

SCALE: 3/16" = 1' - 0"

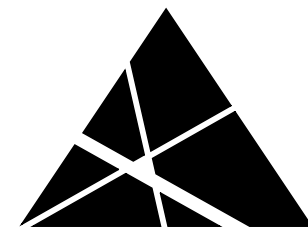


A051

ARCHITECTURAL SITE PLAN GENERAL NOTES

GN-1: FINISH GRADES, FOOTINGS, FOUNDATIONS, SIDEWALKS, CURBS, ETC. ARE SHOWN FOR DESIGN INTENT ONLY. SEE CIVIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

GN-2: SITE WALLS AND SITE STAIRS, CURBS, ETC. - SEE CIVIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



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SPECTRUM DESIGN PROJECT NO.: **24112**

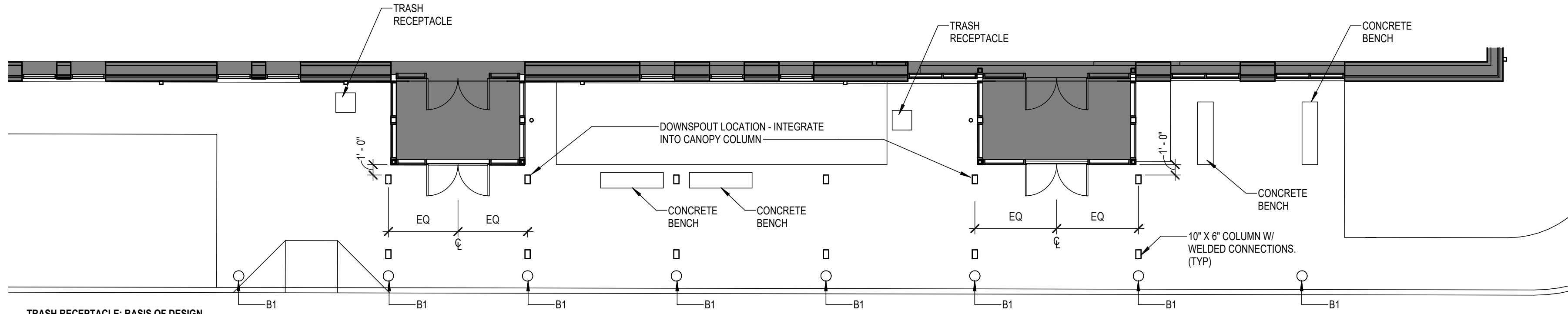


PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

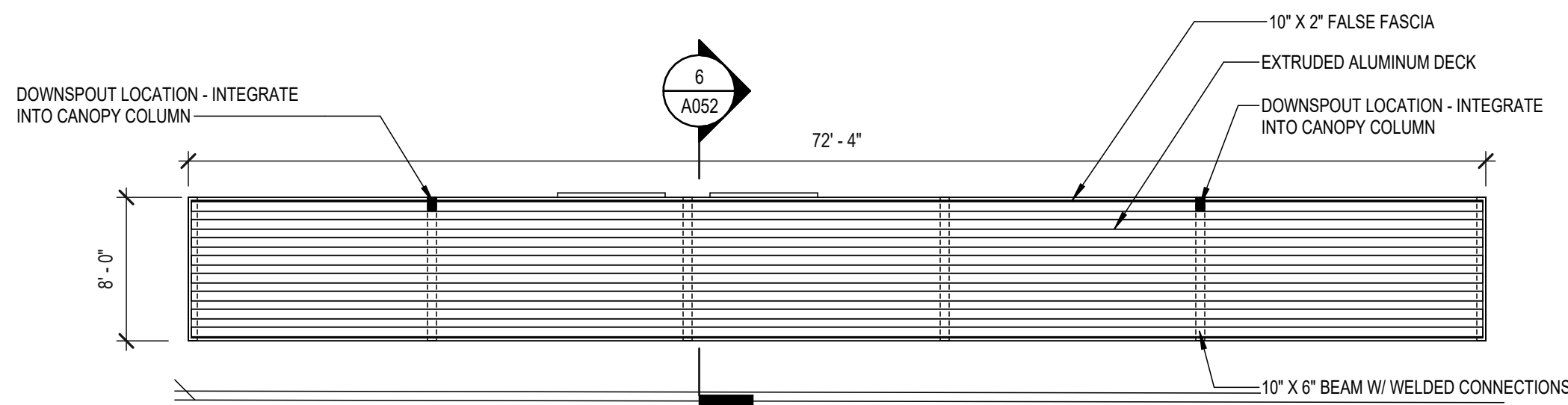


TRASH RECEPTACLE: BASIS OF DESIGN -
BELSON OUTDOORS - LASTING IMPRESSIONS SERIES LITTER RECEPTACLE - MODEL LIS-LTR-RECP

CONCRETE BENCH: BASIS OF DESIGN -
BELSON OUTDOORS - 6" BACKLESS CONCRETE BENCH - ACID WASH FINISH - MODEL TF5026 (INCLUDE ACCESSORY TF1997 LEVELING FEET)

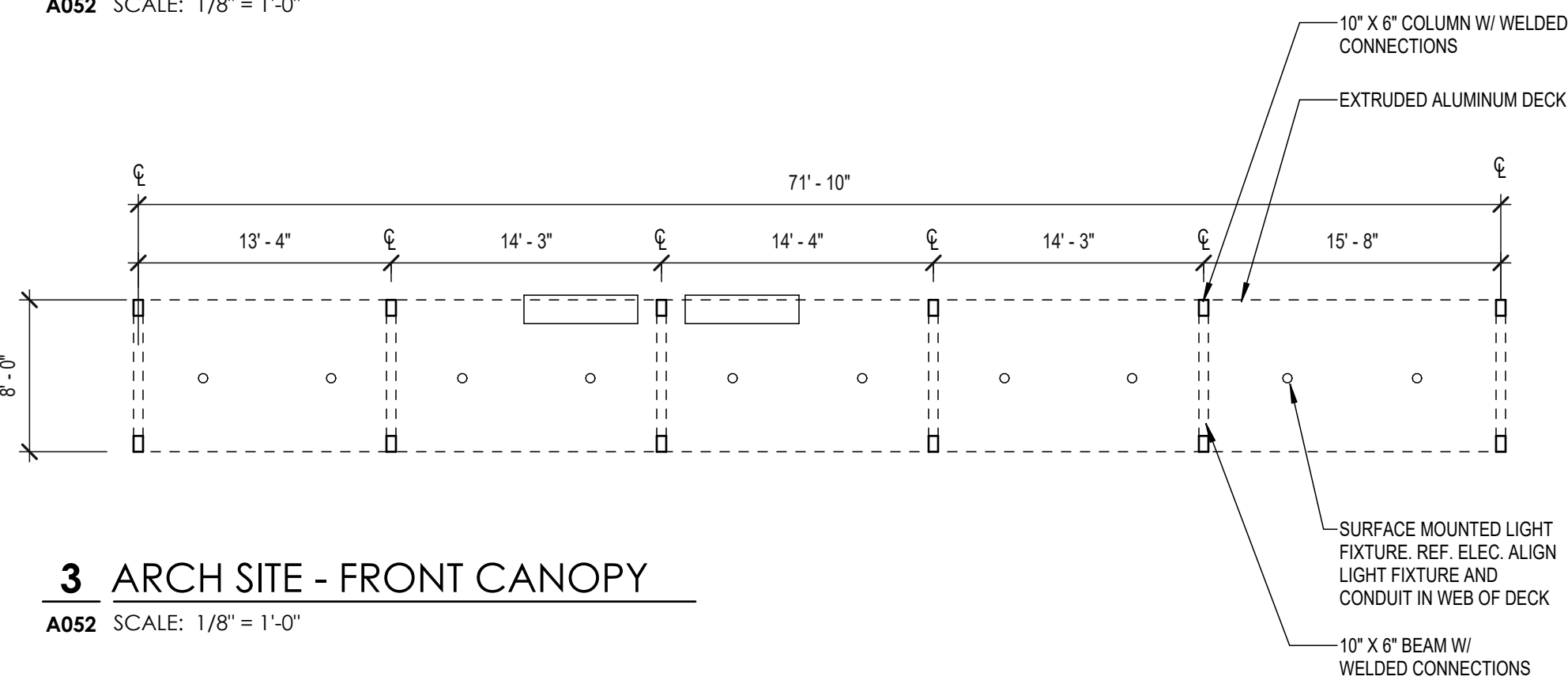
1 ARCH SITE - FRONT

A052 SCALE: 1/8" = 1'-0"
REF: A051



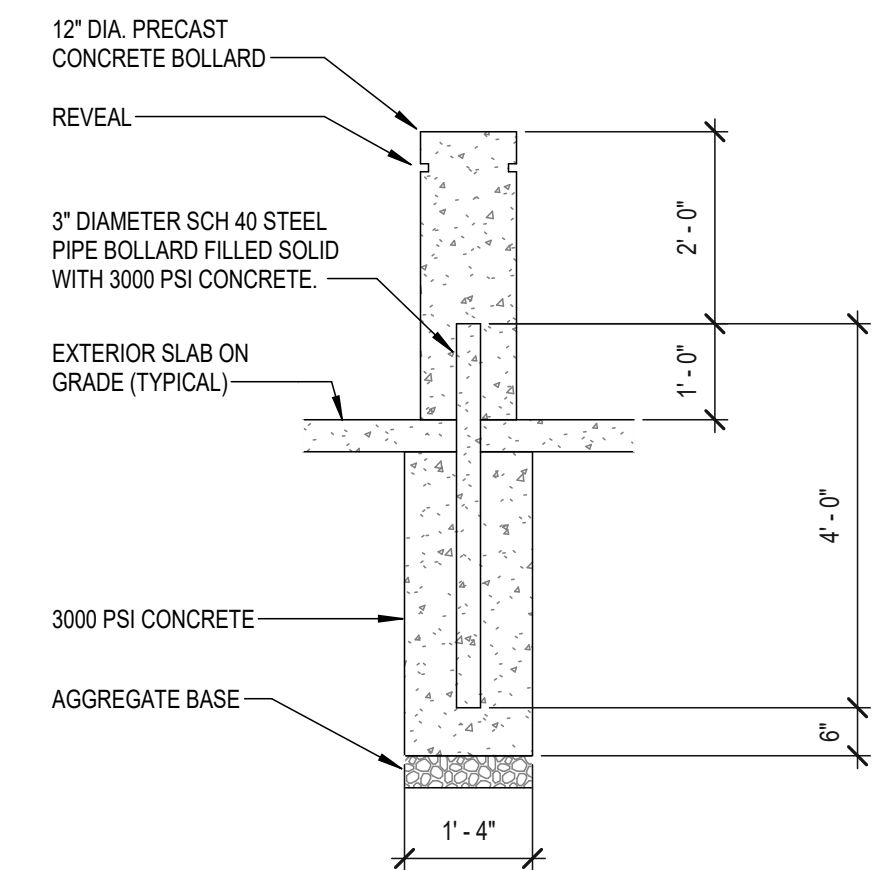
2 ARCH SITE - FRONT CANOPY ROOF

A052 SCALE: 1/8" = 1'-0"



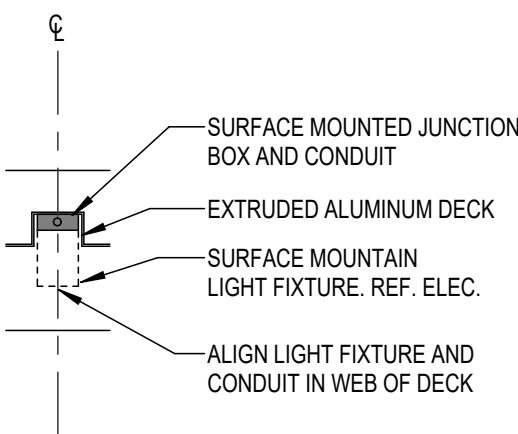
3 ARCH SITE - FRONT CANOPY

A052 SCALE: 1/8" = 1'-0"



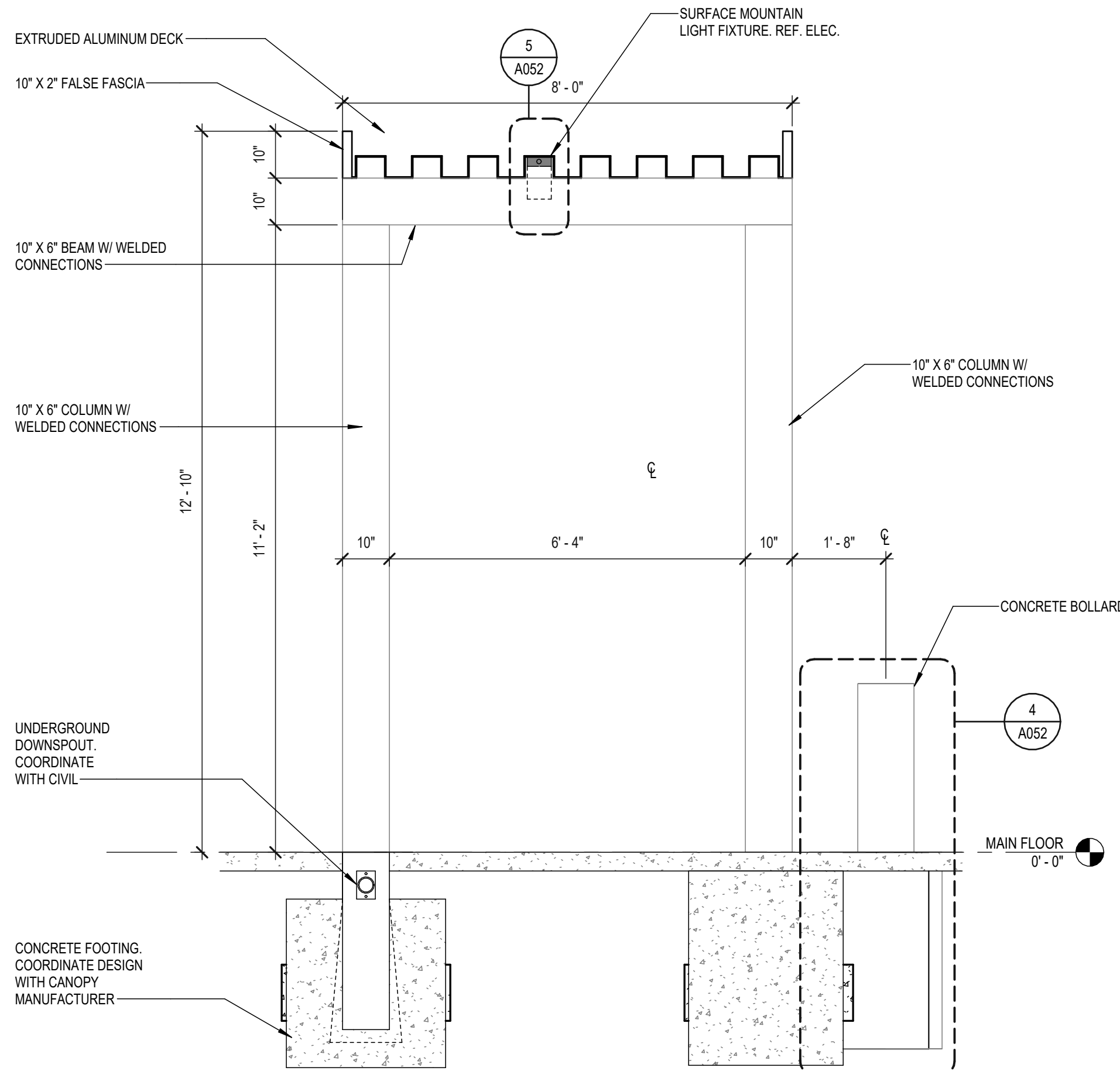
4 PRECAST CONCRETE BOLLARD (B1)

A052 SCALE: 1/2" = 1'-0"
REF: A052



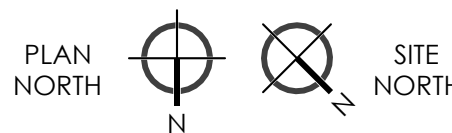
5 CANOPY LIGHT DETAIL

A052 SCALE: 1/2" = 1'-0"
REF: A052



6 CANOPY SECTION (TYP.)

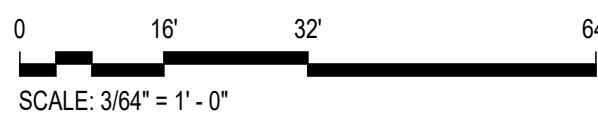
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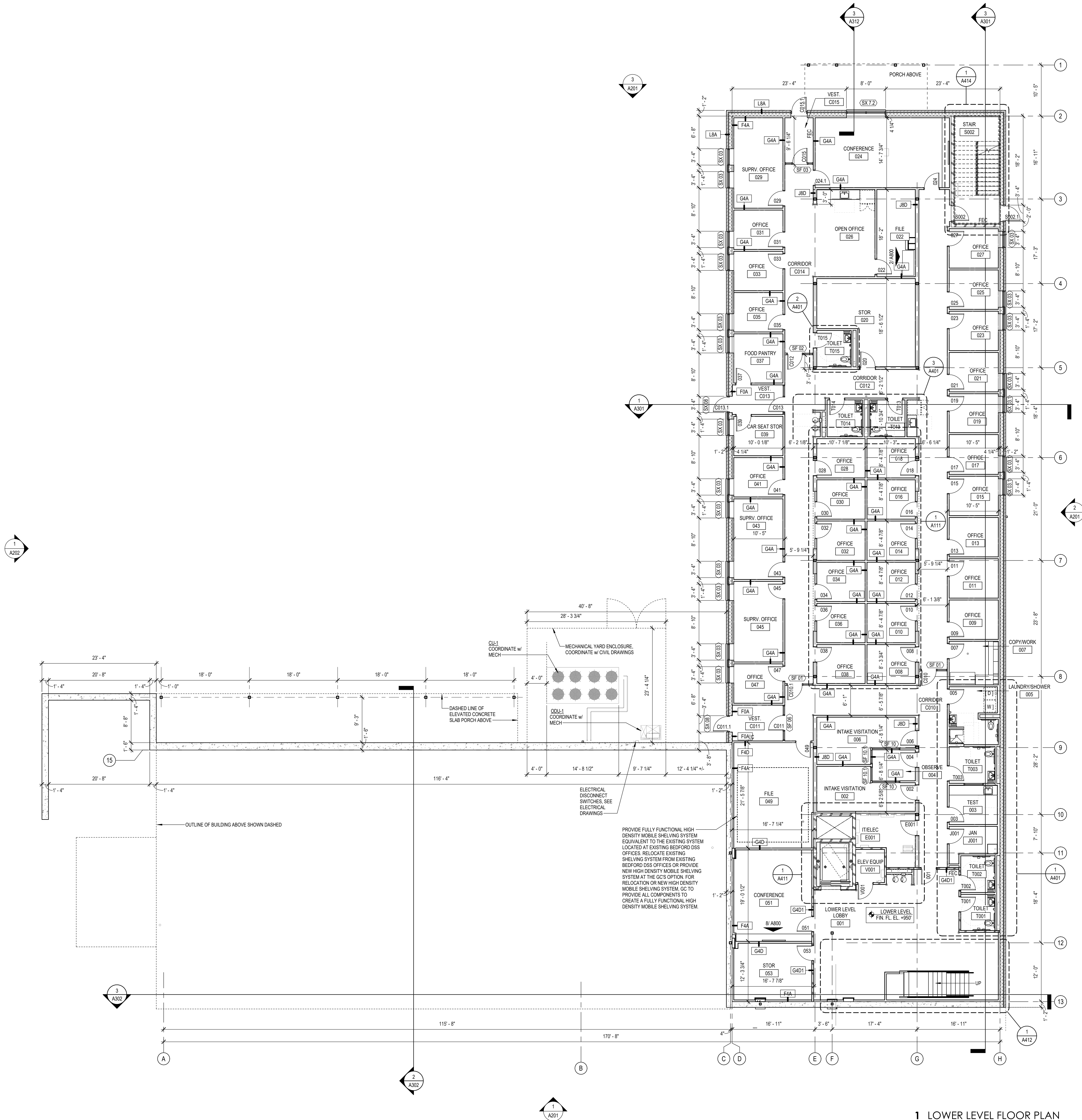
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**ARCHITECTURAL SITE
PLAN DETAILS**

SHEET NUMBER:

A052

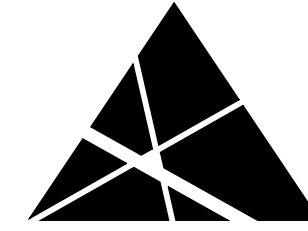


ORIGINAL SET: A101 (1/2024) 1/24/2024 10:00 AM
C:\Users\jharper\OneDrive\Documents\A101 (1/2024) 1/24/2024 10:00 AM



FLOOR PLAN GENERAL NOTES

- GN-1: DIMENSION GUIDELINES:
• NEW CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF FRAMING MEMBERS AT GWB. FACE OF MASONRY, AND CENTERLINE OF STRUCTURAL GRID U.N.O.
• EXISTING CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF PLUMBING FIXTURES = PLAN DIMENSIONS ARE FROM FACE OF FINISH (GWB, TILE, ETC) TO CENTERLINE OF FIXTURE.
• "CLEAR" = DIMENSIONS ARE TO FACE OF FINISH (GWB, TILE, ETC).
- GN-2: WHERE PARTITIONS OF DIFFERENT THICKNESSES ABUT OR ADJOIN IN THE SAME LOCATION, THE EXPOSED / FINISH FACES SHALL BE INSTALLED FLUSH / ALIGNED.
- GN-3: SEE LIFE SAFETY PLANS FOR FIRE EXTINGUISHER CABINET TYPES AND LOCATIONS.
- GN-4: SEE FINISH PLANS FOR TILE LOCATIONS.



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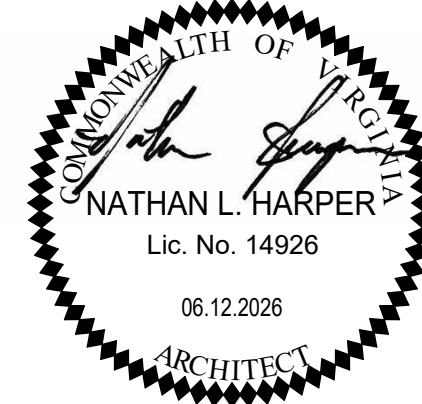
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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112

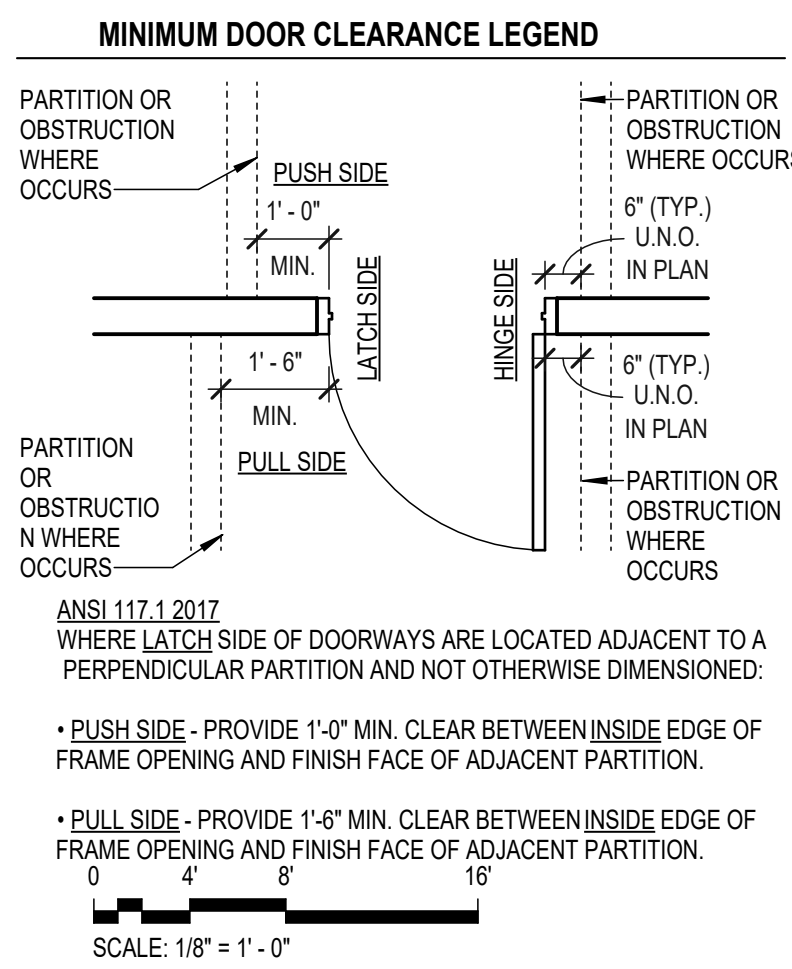


PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:



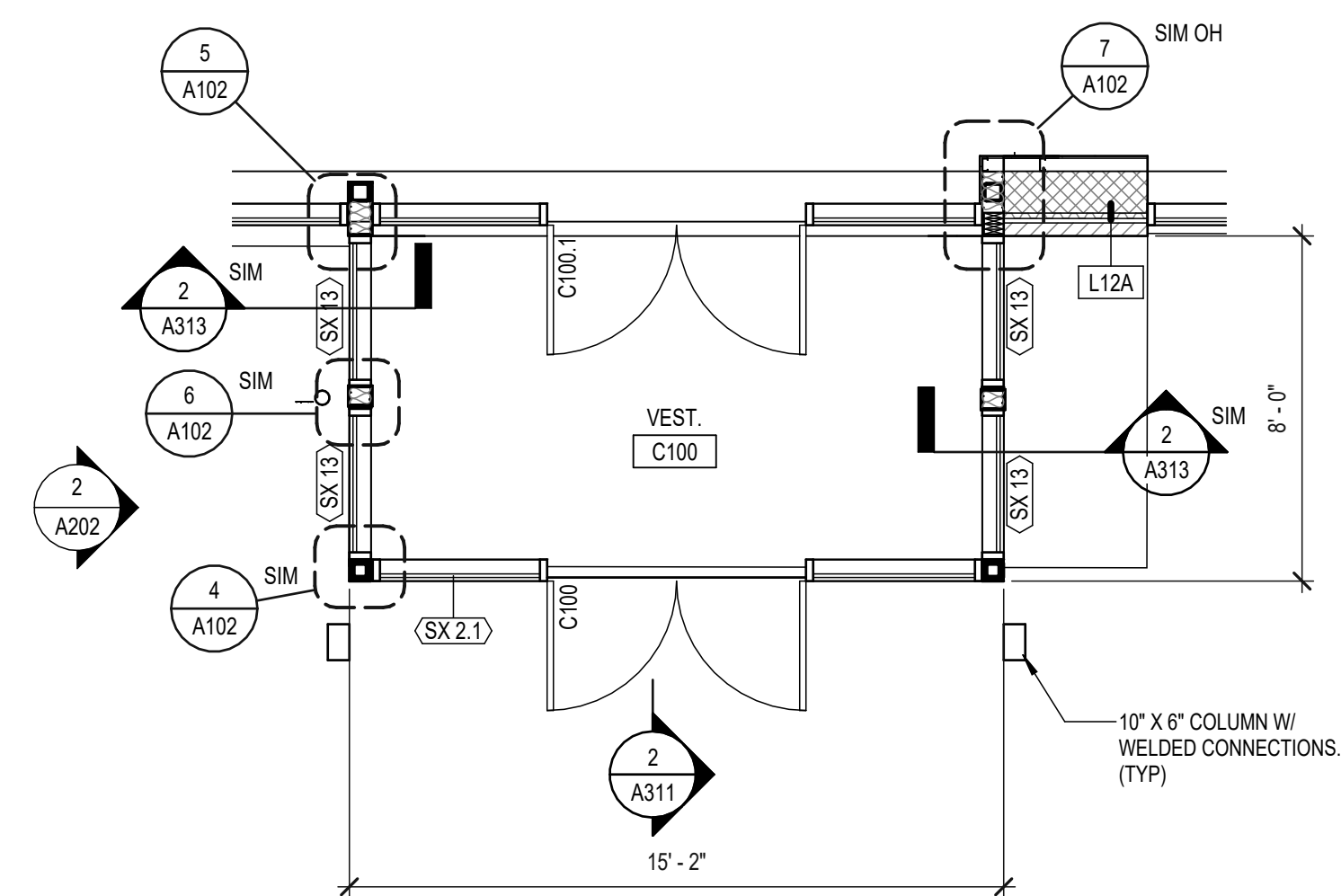
PLAN NORTH
N

SHEET NAME:
LOWER LEVEL FLOOR PLAN

SHEET NUMBER:

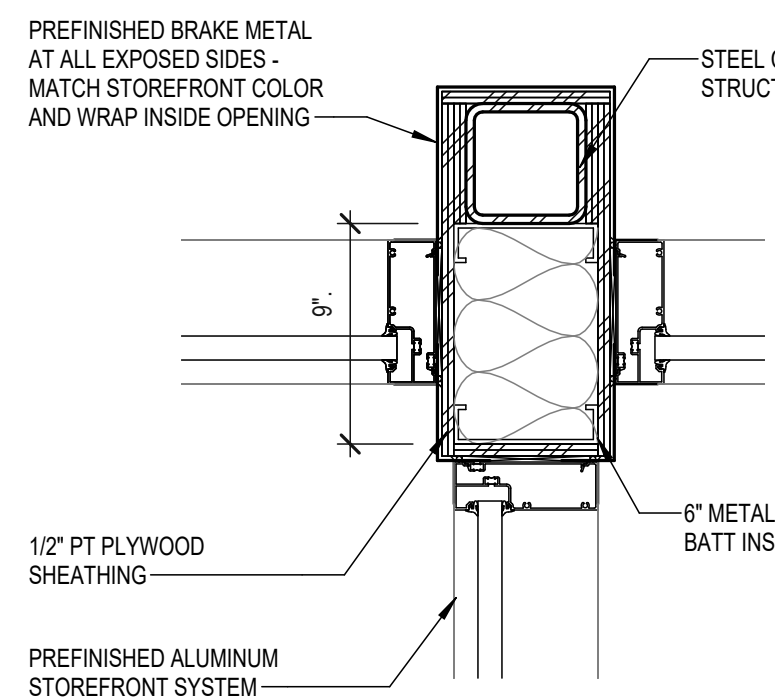
A101

1 LOWER LEVEL FLOOR PLAN
A101 SCALE: 1/8" = 1'-0"



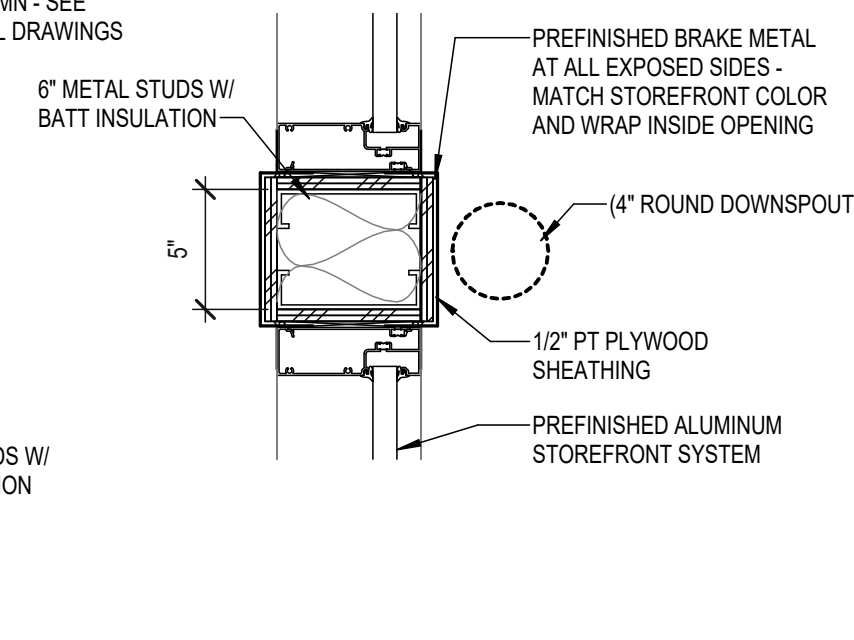
3 C100 VESTIBULE

A102 SCALE: 1/4" = 1'-0"
REF: A102



5 PLAN DETAIL

A102 SCALE: 1 1/2" = 1'-0"
REF: A102

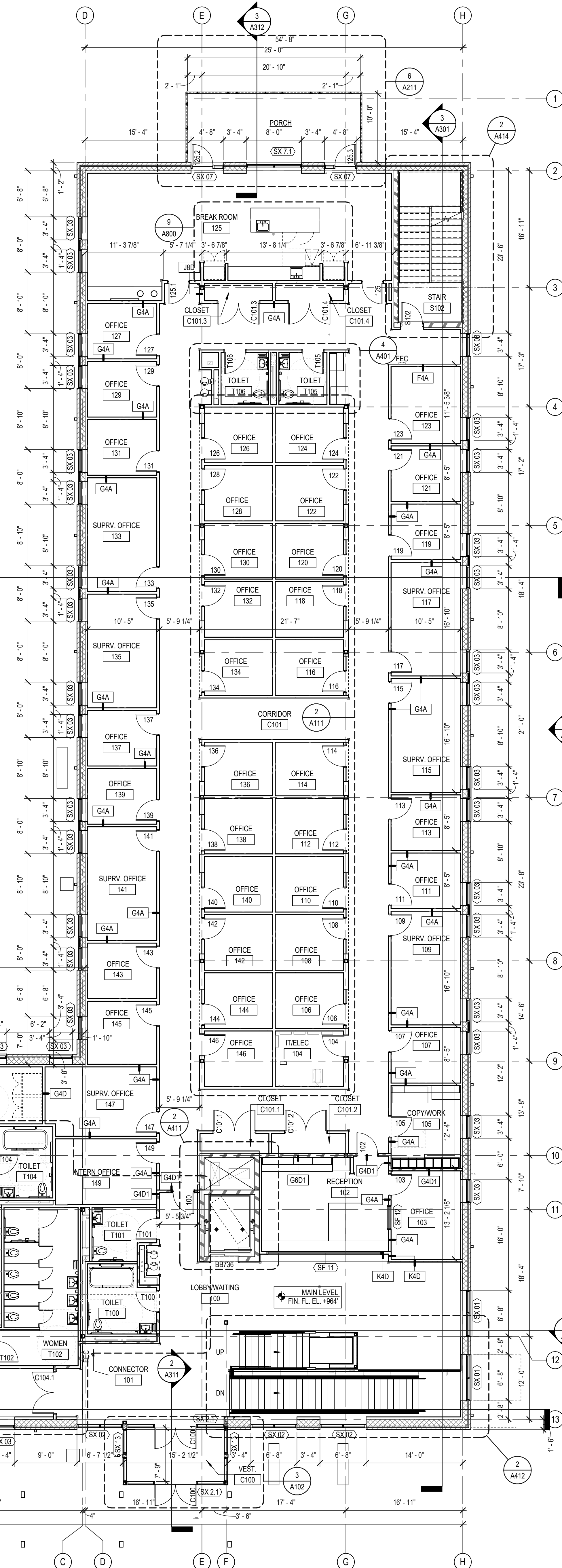


A detailed cross-section diagram of a wall assembly. The diagram shows the following layers from left to right:

- Interior Wall:** A brick or block masonry unit.
- Insulation:** A layer of insulation with a stippled pattern.
- Barrier:** A thin layer labeled "SELF ADHERED AIR / VAPOR BARRIER - EXTEND OVER BLOCKING & WRAP INSIDE OPENING".
- Blocking:** A layer of wood blocking labeled "2x PT WOOD BLOCKING".
- Stud:** A vertical wooden stud labeled "6\" METAL STUDS W/ BATT INSULATION".
- Sheathing:** A layer of wood sheathing labeled "1/2\" PTPLYWOOD SHEATHING".
- Brake:** A layer labeled "PREFINISHED BRAKE MAT AT ALL EXPOSED SIDES MATCH STOREFRONT OR WRAP INSIDE OPENING".
- Aluminum:** A thin layer labeled "PREFINISHED ALUMINUM".

 The diagram also includes labels for "F4A" at the top left and "L2A" at the bottom left.

A102 SCALE: 1 1/2" = 1'-0"
REF: A102



A102 SCALE: 1/8" = 1'-0"

GN-1:	<p>DIMENSION GUIDELINES:</p> <ul style="list-style-type: none"> • NEW CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF FRAMING MEMBERS AT GWB, FACE OF MASONRY, AND CENTERLINE OF STRUCTURAL GRID U.N.O. • EXISTING CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF PLUMBING FIXTURES = PLAN DIMENSIONS ARE FROM FACE OF FINISH (GWB, TILE, ETC) TO CENTERLINE OF FIXTURE. • "CLEAR" = DIMENSIONS ARE TO FACE OF FINISH (GWB, TILE, ETC)
GN-2:	<p>WHERE PARTITIONS OF DIFFERENT THICKNESSES ABUT OR ADJOIN IN THE SAME LOCATION, THE EXPOSED / FINISH FACES SHALL BE INSTALLED FLUSH / ALIGNED.</p>
GN-3:	<p>SEE LIFE SAFETY PLANS FOR FIRE EXTINGUISHER CABINET TYPES AND LOCATIONS.</p>
GN-4:	<p>SEE FINISH PLANS FOR TILE LOCATIONS.</p>



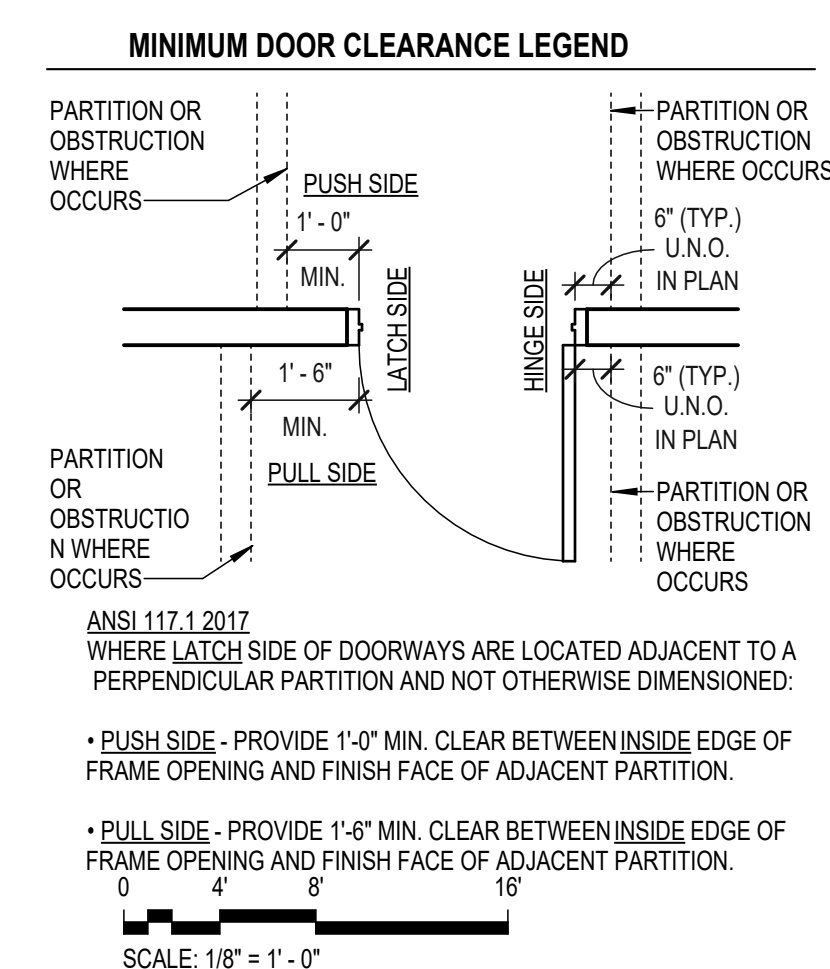
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COMMONWEALTH OF VIRGINIA
NATHAN L. HARPER
Lic. No. 14926
06.12.2026
ARCHITECT

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SHEET REVISIONS:

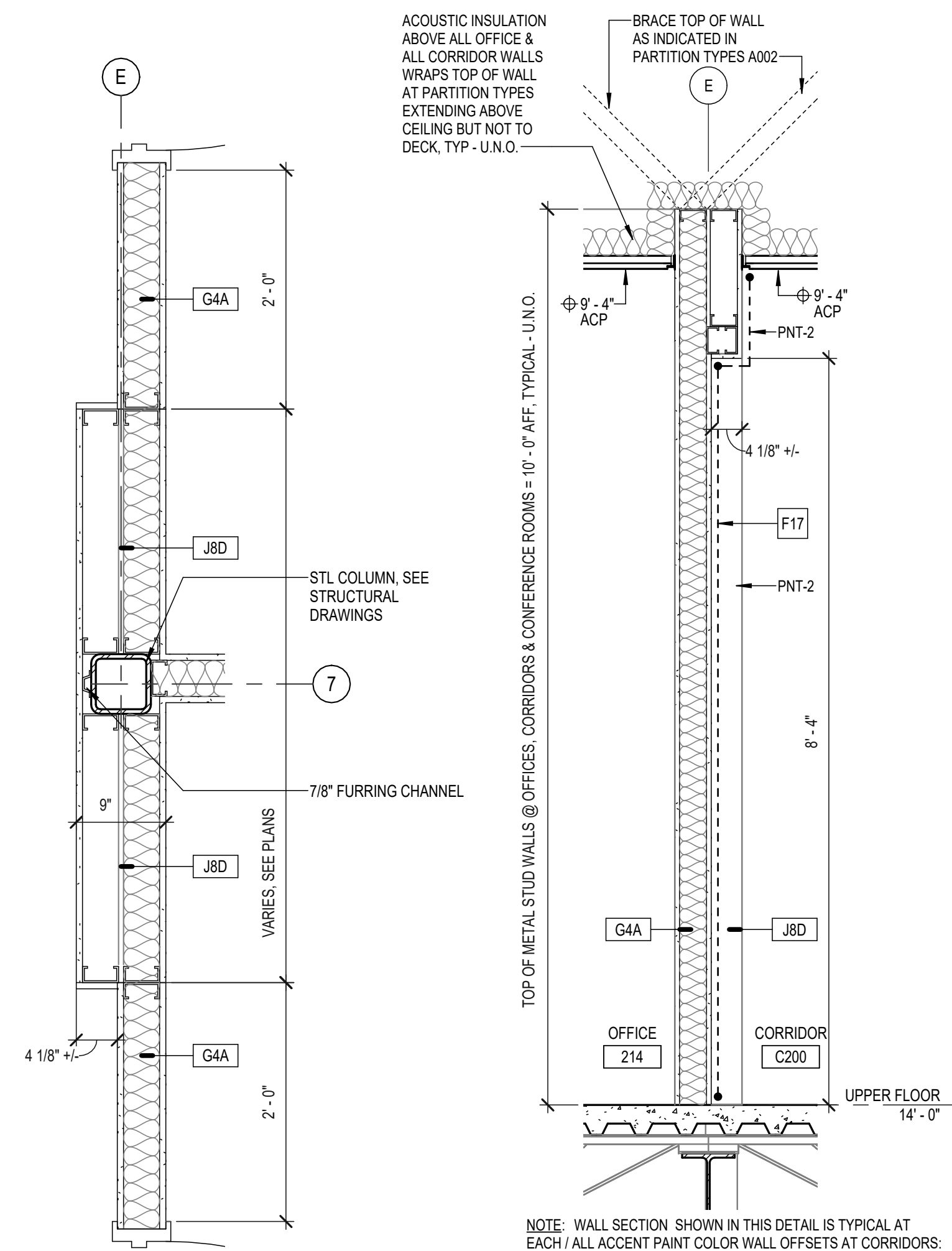


SHEET NAME:

**MAIN LEVEL FLOOR
PLAN**

SHEET NUMBER:

A102

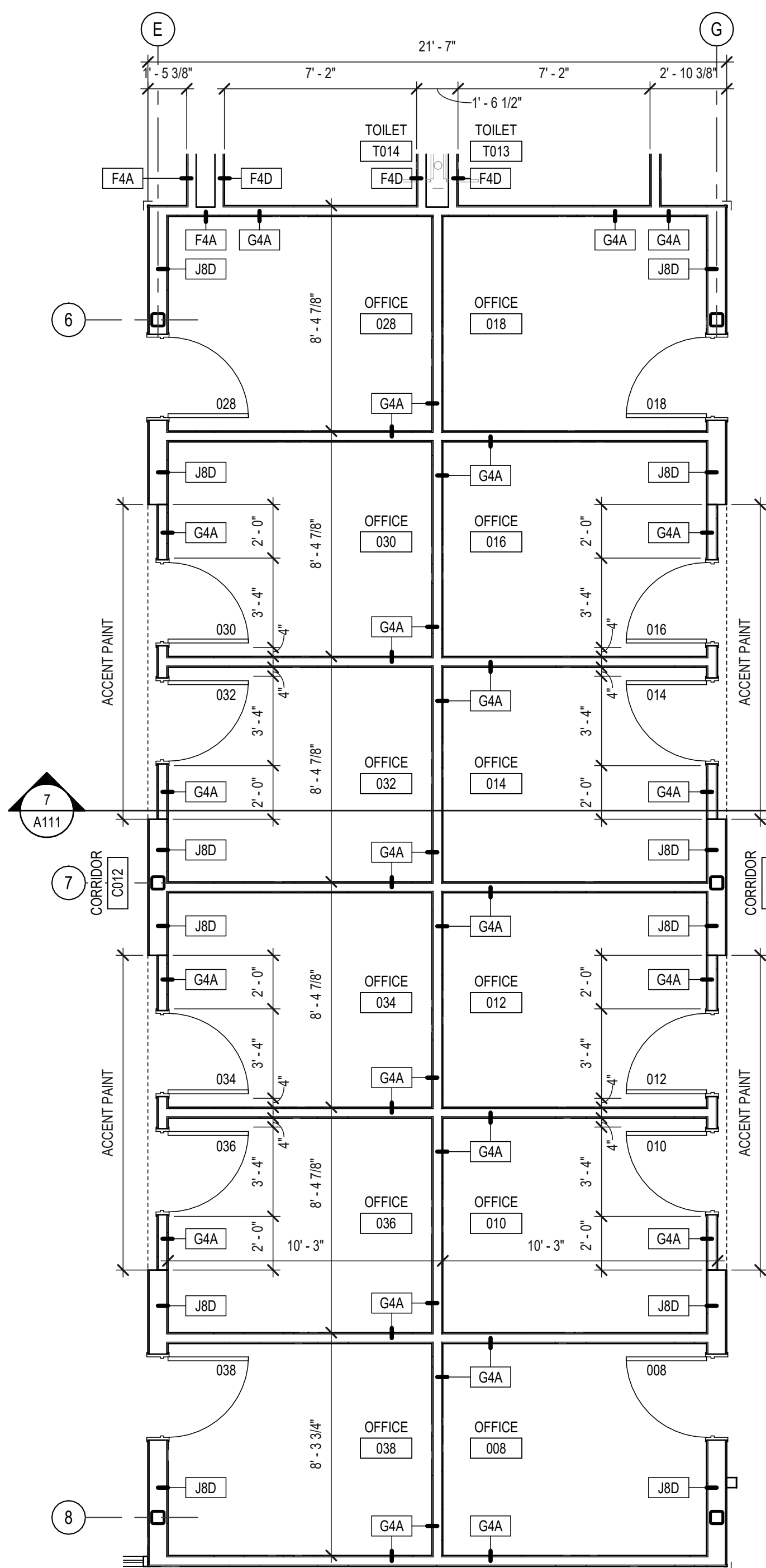


5 ACCENT WALL DETAIL

A111 SCALE: 1" = 1'-0"
REF: A111

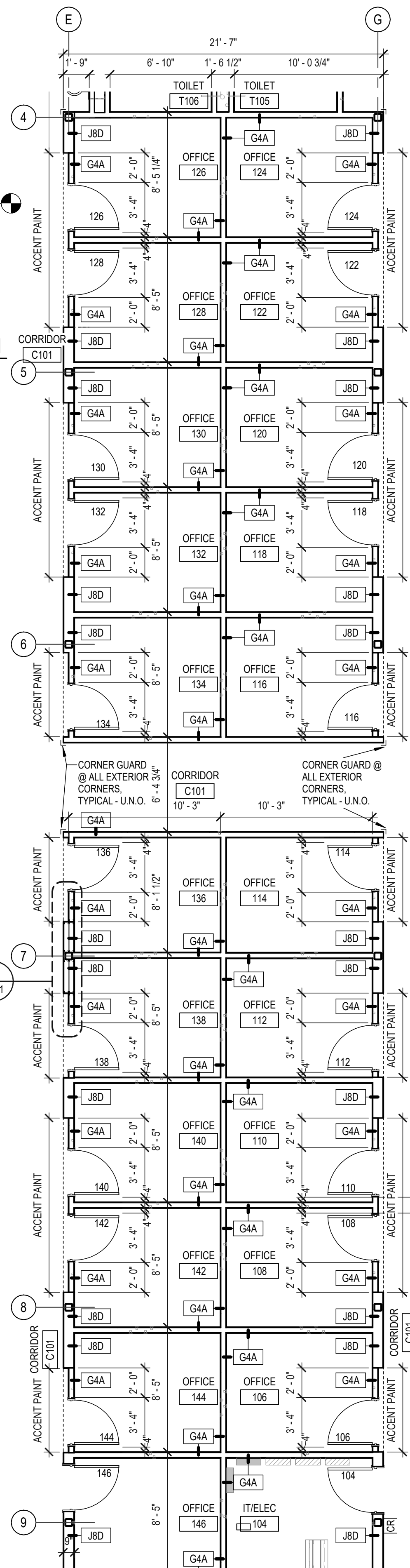
6 CORRIDOR WALL SECTION

A111 SCALE: 3/4" = 1'-0"
REF: A111



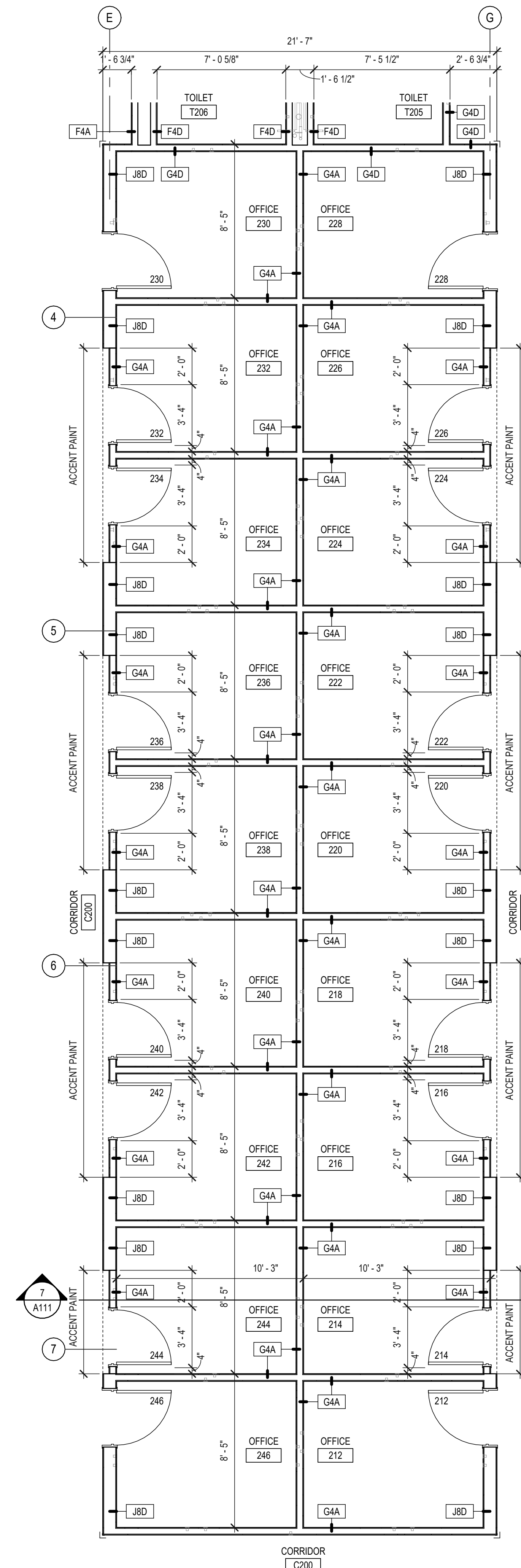
1 GROUND FLOOR ACCENT WALLS @ CORRIDOR

A111 SCALE: 1/4" = 1'-0"
REF: A101



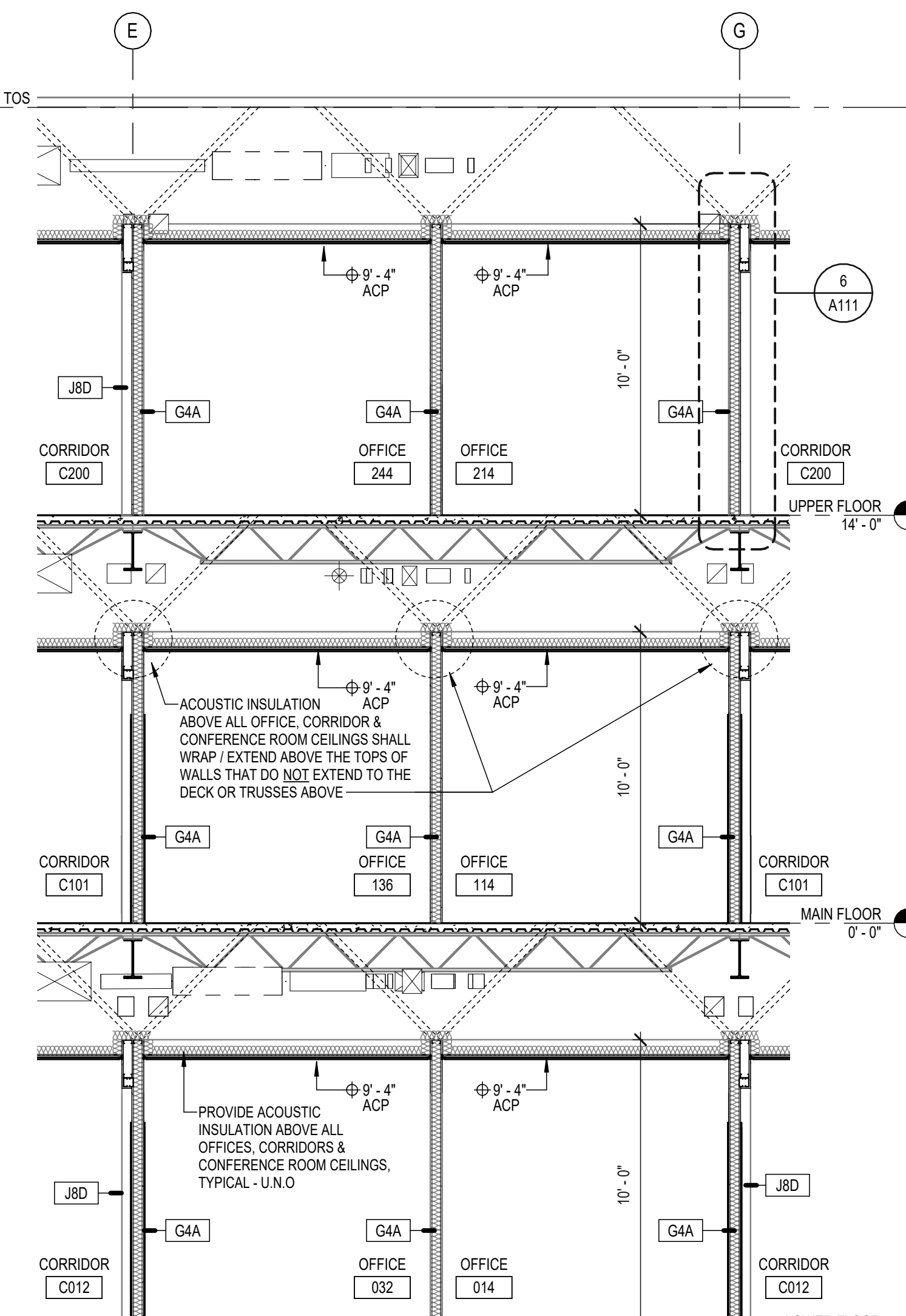
2 1ST FLOOR ACCENT WALLS @ CORRIDOR

A111 SCALE: 3/16" = 1'-0"
REF: A102



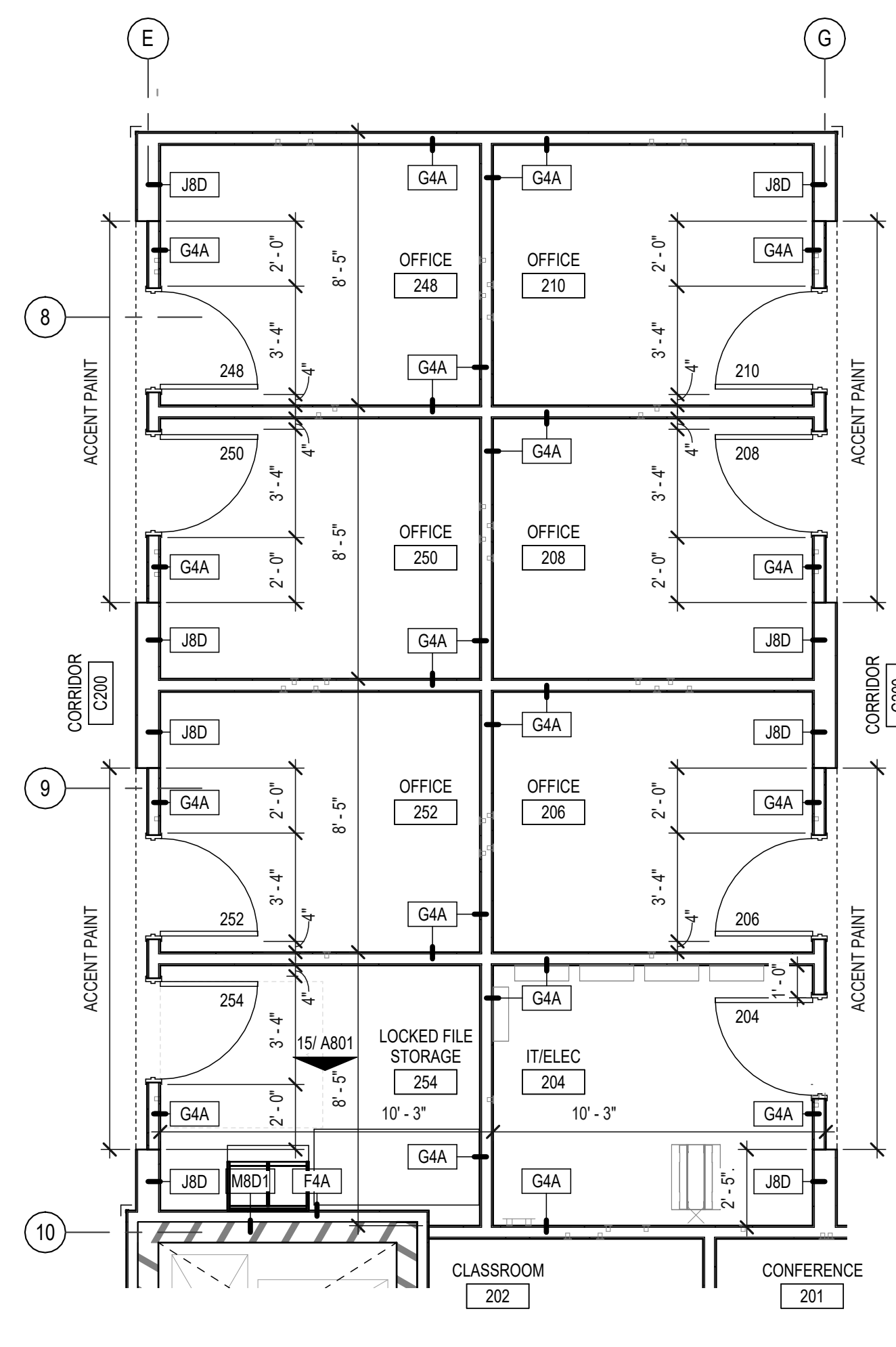
3 2ND FLOOR ACCENT WALLS @ CORRIDOR

A111 SCALE: 1/4" = 1'-0"
REF: A103



7 SECTION THROUGH ACCENT WALLS @ CORRIDORS

A111 SCALE: 1/4" = 1'-0"
REF: A111



4 2ND FLOOR ACCENT WALLS @ CORRIDOR (CON'T)

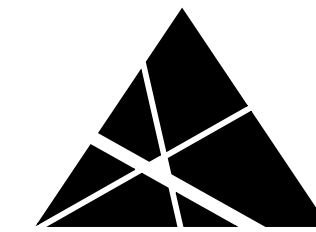
A111 SCALE: 1/4" = 1'-0"
REF: A103

FLOOR PLAN GENERAL NOTES

- GN-1: DIMENSION GUIDELINES:
• NEW CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF FRAMING MEMBERS AT GWB, FACE OF MASONRY, AND CENTERLINE OF STRUCTURAL GRID U.N.O.
• EXISTING CONSTRUCTION = PLAN DIMENSIONS ARE TO FACE OF FINISH (GWB, TILE, ETC) TO CENTERLINE OF FIXTURE.
• "CLEAR" = DIMENSIONS ARE TO FACE OF FINISH (GWB, TILE, ETC).
- GN-2: WHERE PARTITIONS OF DIFFERENT THICKNESSES ABUT OR ADJOIN IN THE SAME LOCATION, THE EXPOSED / FINISH FACES SHALL BE INSTALLED FLUSH / ALIGNED.
- GN-3: SEE LIFE SAFETY PLANS FOR FIRE EXTINGUISHER CABINET TYPES AND LOCATIONS.
- GN-4: SEE FINISH PLANS FOR TILE LOCATIONS.

SHEET KEYNOTES

- F17 EXTENTS OF ACCENT PAINT COLOR: TERMINATE PAINT AT INSIDE CORNERS. COLOR VARIES PER FLOOR. SEE WALL FINISH PLANS FOR ADDITIONAL INFORMATION REGARDING ACCENT PAINT.



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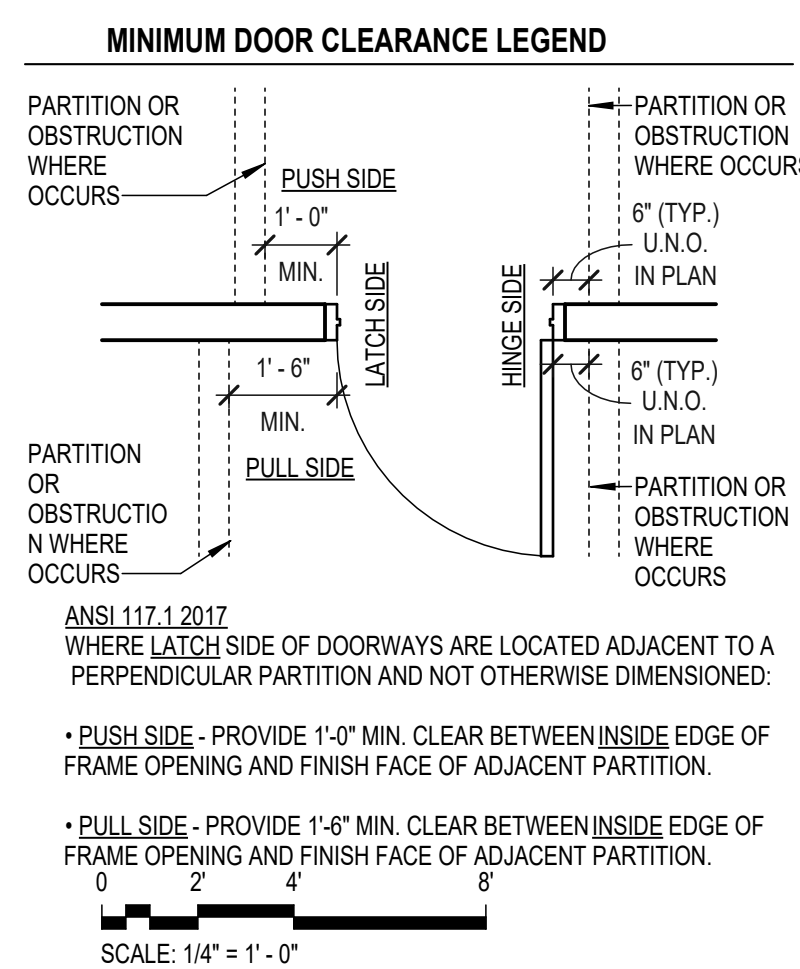


PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:



PLAN NORTH
N

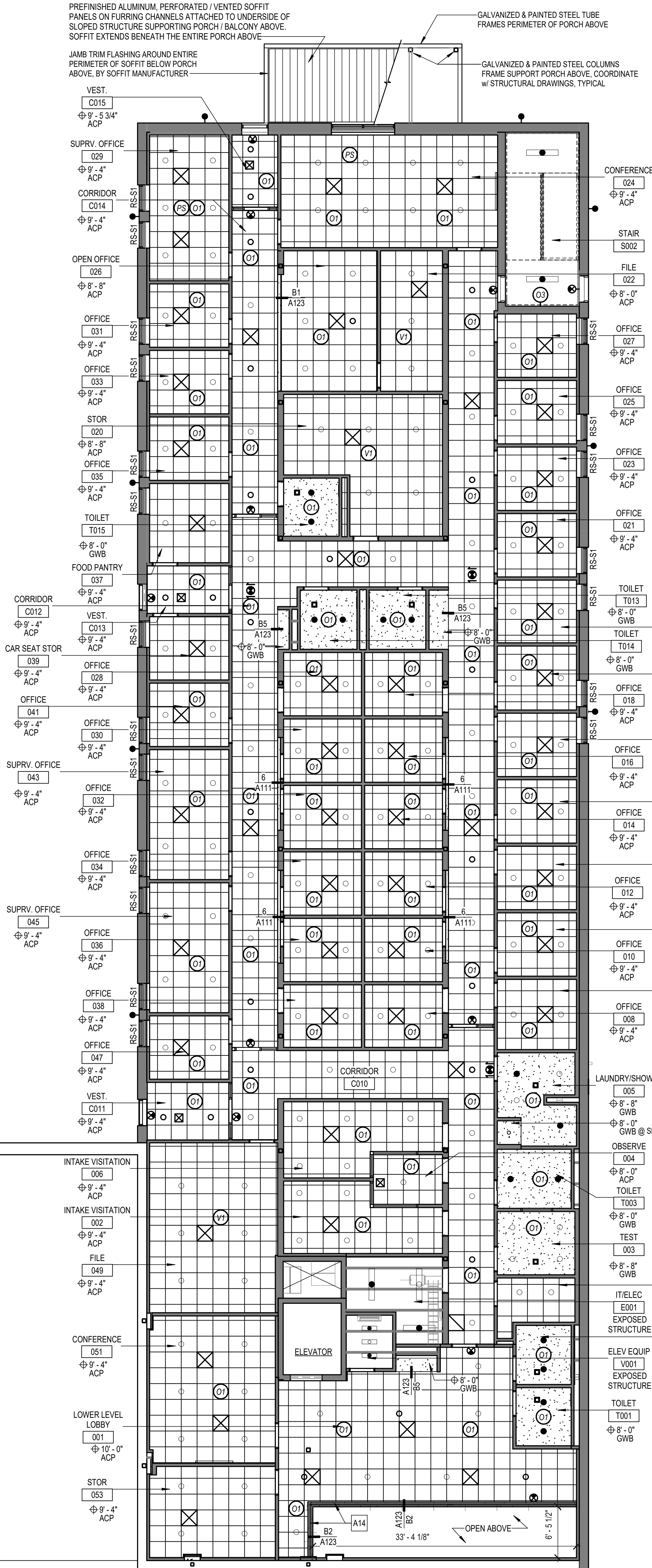
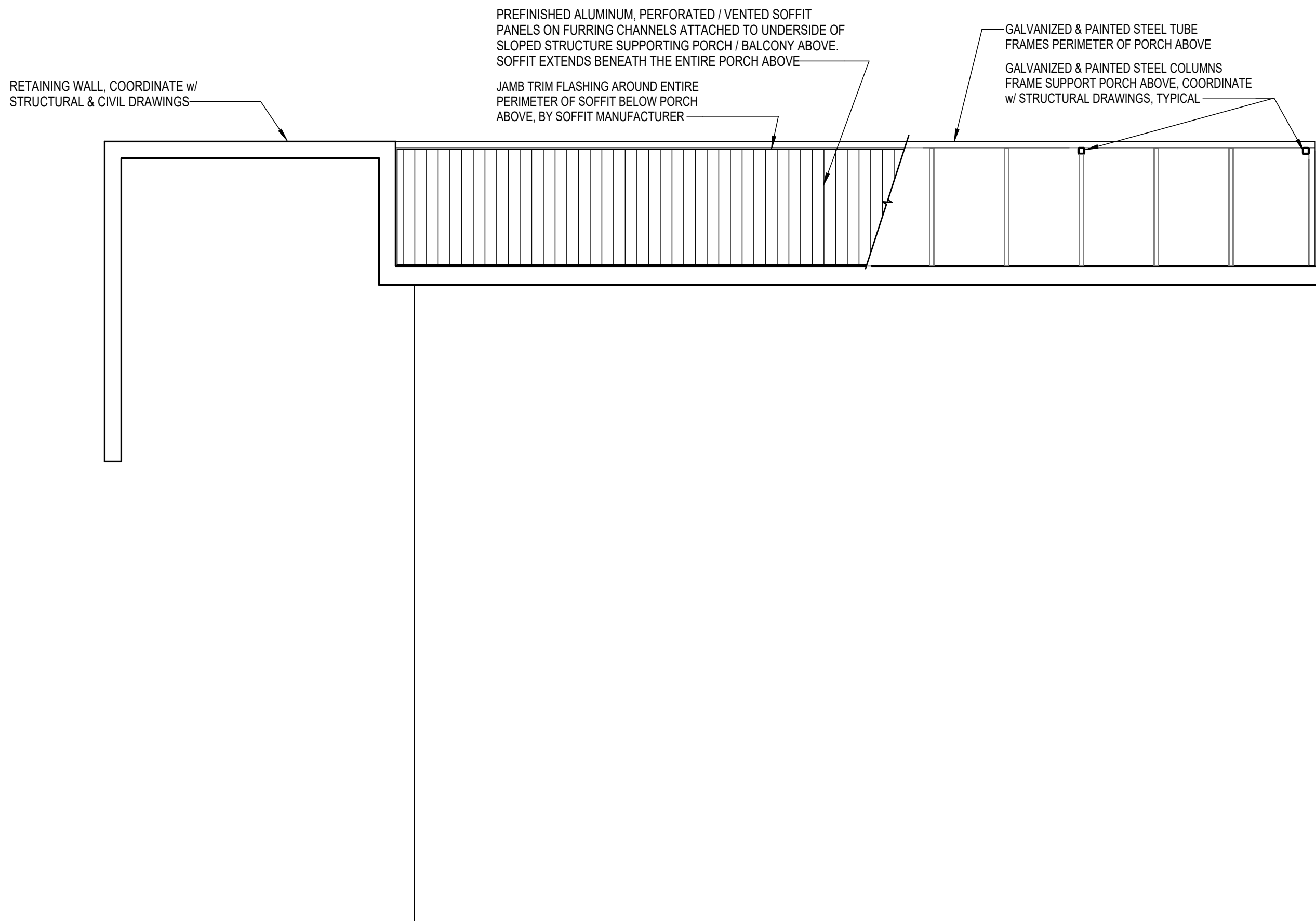
SHEET NAME:

**ENLARGED PLANS @
CORRIDOR ACCENT
WALLS - GROUND, 1ST
& 2ND FLOORS**

SHEET NUMBER:

A111

ORIGINAL SET - ARCH (1/2024) | 4/15/2024 4:42 PM
C:\Users\jharper\OneDrive\Documents\A121\A121.dwg



REFLECTED CEILING GENERAL NOTES

- GN-1: DIMENSION GUIDELINES:
- REFLECTED CEILING PLAN DIMENSIONS ARE FROM FACE OF WALL FINISH (GWB, CMU, ETC) TO FACE OF BULKHEAD FINISH, CENTERLINE OF ACP GRID, CENTERLINE OF STRUCTURAL GRID, ETC, U.N.O.
- GN-2: SUPPORT FRAMING SHOWN AT GWB CEILINGS AND BULKHEADS INDICATES DIMENSIONAL DESIGN INTENT. AT CONTRACTOR'S OPTION, SUBSTITUTE SUSPENDED METAL GRID FRAMING SYSTEM FOR STUD FRAMING AT GWB. CONTRACTOR TO COORDINATE FRAMING AS REQUIRED FOR RECESSED AND SURFACE MOUNTED CEILING ELEMENTS, INCLUDING LIGHTS, BULKHEADS, TRANSITIONS, ROLLER SHADES, PROJECTORS, ETC.
- GN-3: REFER TO MECHANICAL DRAWINGS FOR SIDEWALL MOUNTED SUPPLIES AND RETURNS NOT INDICATED ON RCP.
- GN-4: REFER TO ELECTRICAL DRAWINGS FOR WALL MOUNTED AND UNDER CABINET FIXTURES AND SPEAKERS NOT INDICATED ON RCP.
- GN-5: AT LOCATIONS WHERE ACP WILL BE 6" OR LESS IN WIDTH, USE A 2X4 ACP OF THE SAME TYPE AND MANUFACTURER. FOR EXAMPLE: IN LEB OF A 6X24 ACP NEXT TO A 2X24 ACP, THE PANEL SHALL BE 30X24" AND EXTEND TO THE WALL OR SOFFIT.
- GN-6: PROVIDE ACCESS PANELS FOR ABOVE CEILING ACCESS AT GWB CEILINGS WHERE REQUIRED. SEE PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR EQUIPMENT REQUIRING ACCESS PANELS.
- GN-7: PAINT ALL EXPOSED GWB, EXPOSED STRUCTURE, AND DECK U.N.O.
- SEE FINISH LEGEND AND SCHEDULE.
- GN-8: SEE WALL SECTIONS AND DETAILS FOR CEILING TERMINATIONS AT EXTERIOR WALL.
- GN-9: PAINT COLORS NOTED ARE FOR THE BOTTOM AND SIDES OF BULKHEADS AND SOFFITS - SEE FINISH LEGEND AND SCHEDULE.

SHEET KEYNOTES

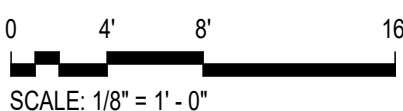
- A14 CONCEALED MOUNT SMOKE BAFLE SYSTEM WRAPS PERIMETER OF CEILING OPENING AT STAIR, CENTER WITHIN BULKHEAD.

REFLECTED CEILING PLAN LEGEND

- GWB CEILING - PAINTED
- EXPOSED STRUCTURE AND METAL DECK ABOVE - PAINTED
- SUSPENDED ACOUSTICAL CEILING PANEL SYSTEM (ACP)
- 2X4 LIGHT FIXTURE, RE: ELEC
- 2X2 LIGHT FIXTURE, RE: ELEC
- PENDANT LIGHT FIXTURE
- WALL MOUNTED LIGHT
- GROUND MOUNTED UP-LIGHT
- EXIT SIGN, RE: ELEC
- AUDIO ENHANCEMENT SYSTEM SPEAKER
- CEILING MOUNTED SPEAKER
- OCCUPANCY SENSOR
- HVAC SUPPLY DIFFUSER, RE: MECH
- HVAC RETURN GRILLE, RE: MECH
- ABOVE FINISH FLOOR (A.F.F.)
- ROLLER SHADE - SINGLE (RS-R1M)
- ROLLER SHADE - DOUBLE (RS-R1M)
- R = RECESSED
- S = SURFACE MOUNT
- NO. OF ROLLERS
- "M" IF MOTORIZED
- NOTE: REFERENCE FRAMED OPENING ELEVATIONS FOR CORRESPONDING LENGTH
- RS-S1M - ROLLER SHADE - PROVIDE (3) MOTORIZED SHADES AT EACH LOCATION ONE SHADE AT HIGH BAY WINDOW AND TWO SHADES AT LOWER OPENING. SHADES AT LOWER OPENING SHALL BE ADJUSTED IN LENGTH TO PREVENT OBSTRUCTION OF EXIT DOOR AND EXIT SIGN.

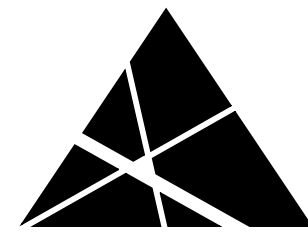
REFLECTED CEILING PLAN WALL LEGEND

- WALLS AND PARTITIONS TERMINATING ABOVE CEILING
- INTERIOR PARTITIONS TERMINATING BELOW CEILING



1 REFLECTED CEILING PLAN - LOWER FLOOR

A121 SCALE: 1/8" = 1'-0"



SPECTRUM DESIGN
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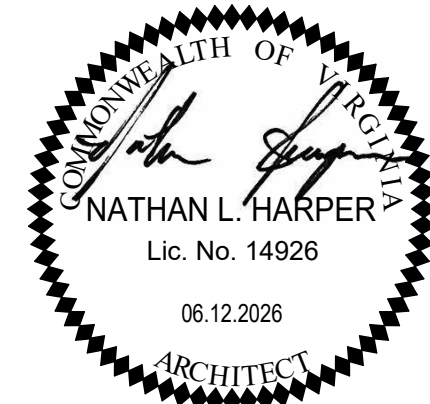
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BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

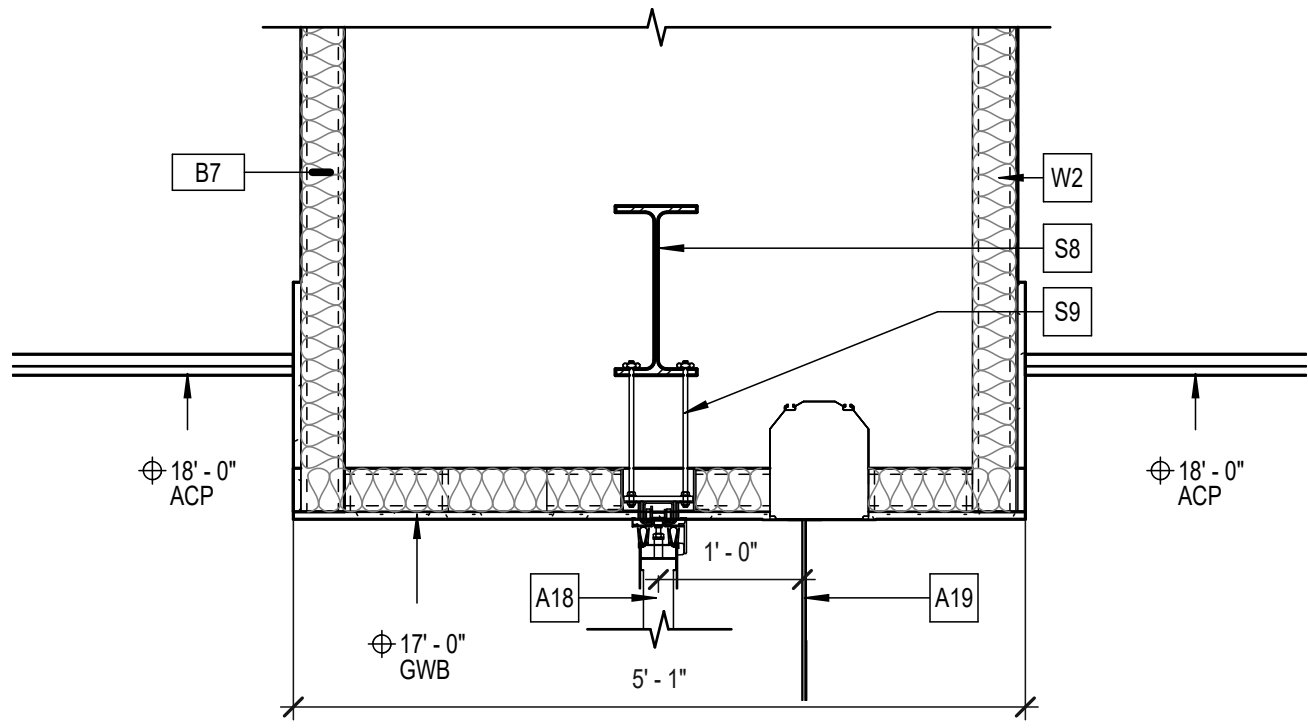
PLAN NORTH

SHEET NAME:

REFLECTED CEILING PLAN - LOWER FLOOR

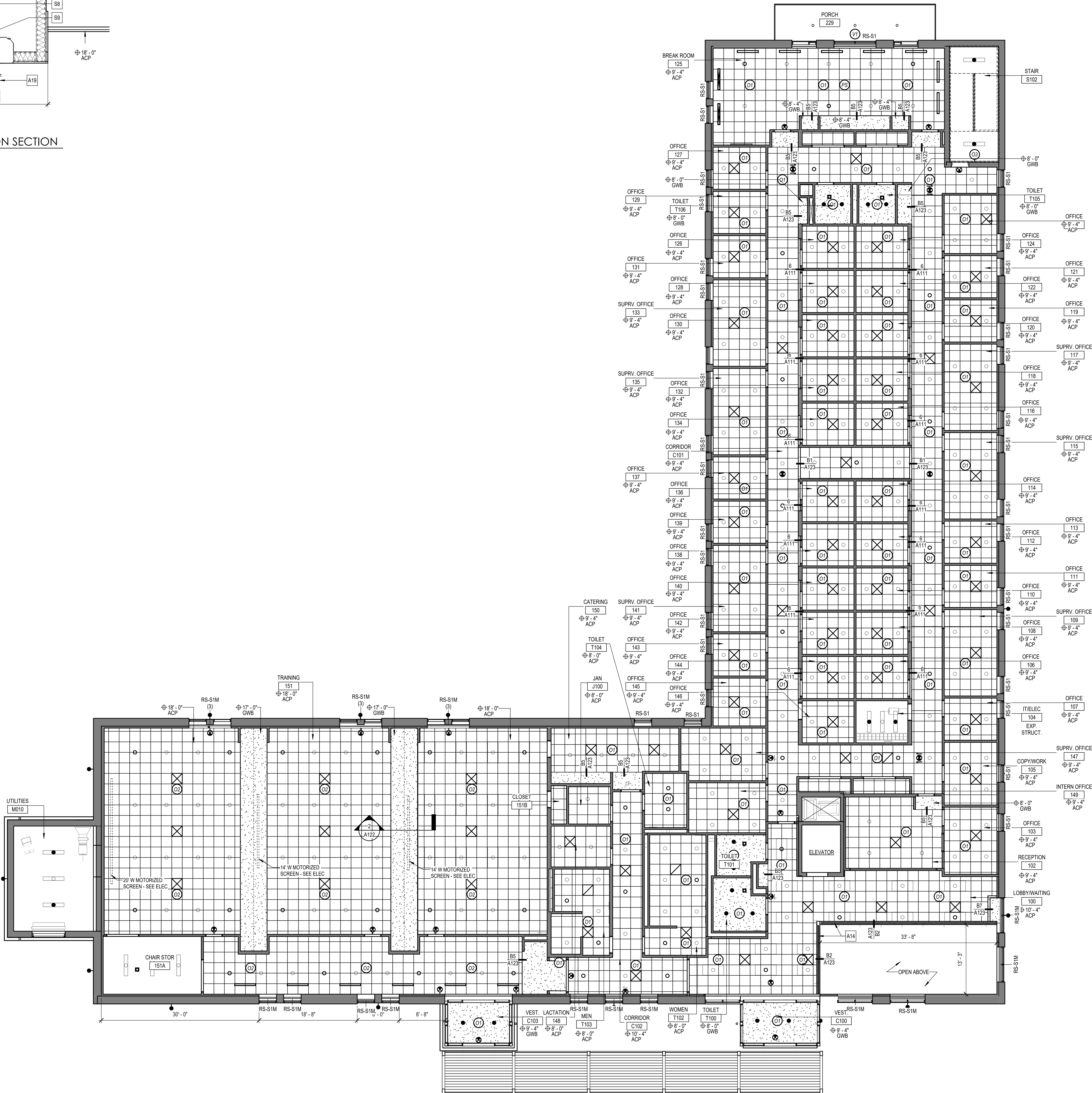
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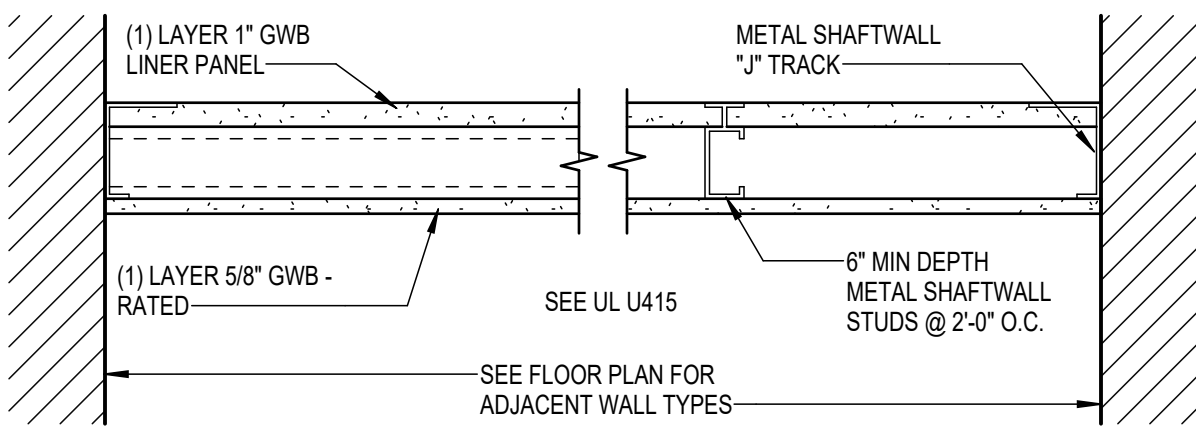
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2 OPERABLE PARTITION SECTION

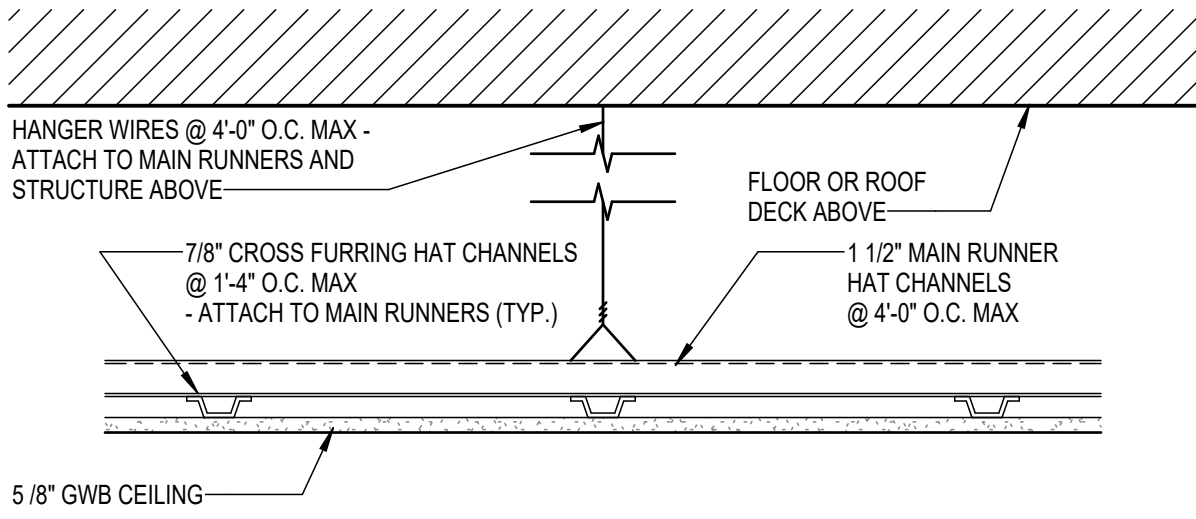
A122 SCALE: 3/4" = 1'-0"
REF: A103





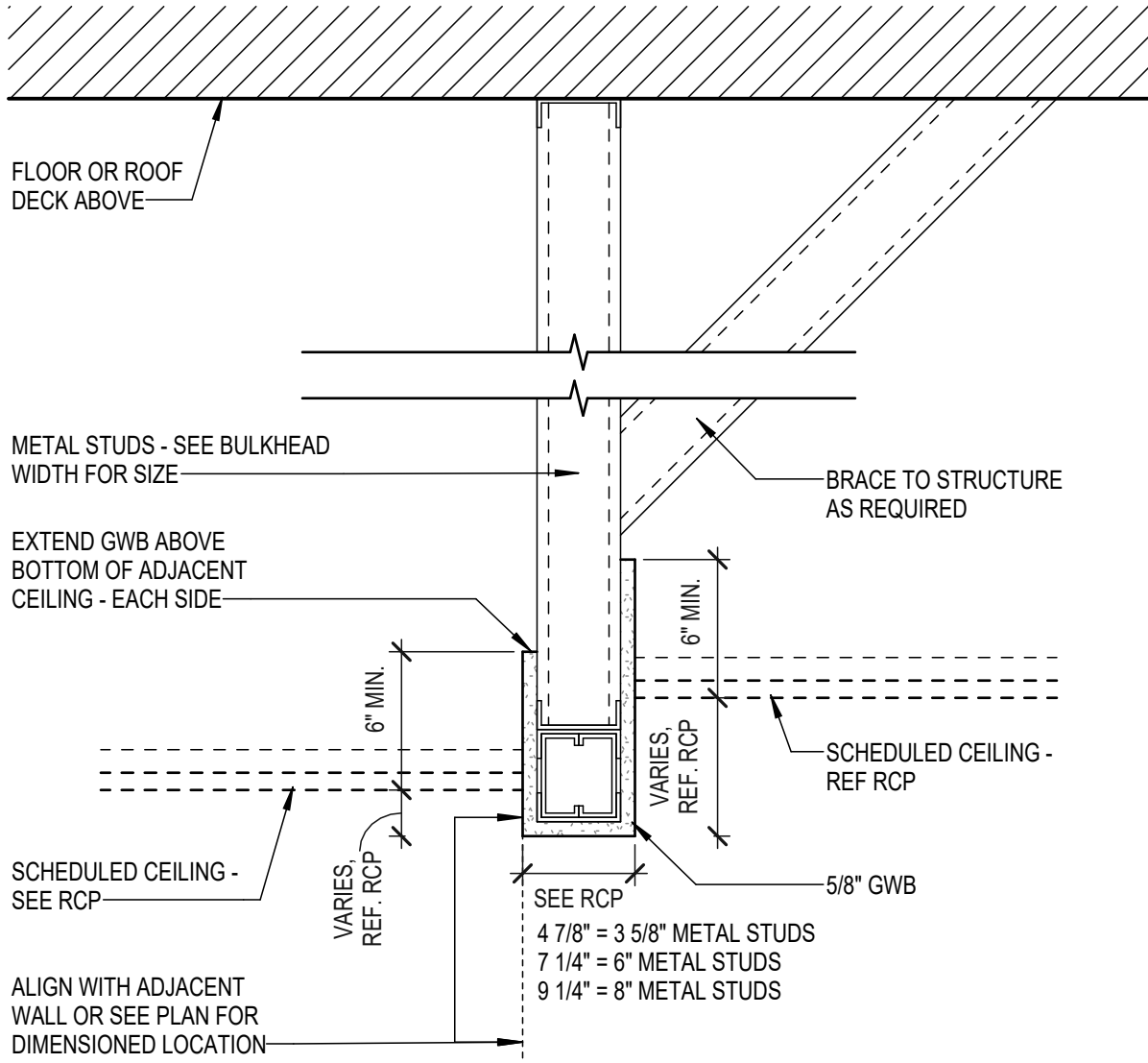
HORIZONTAL SHAFTWALL CEILING (GWB-SH)

SCALE: 1 1/2" = 1'-0"



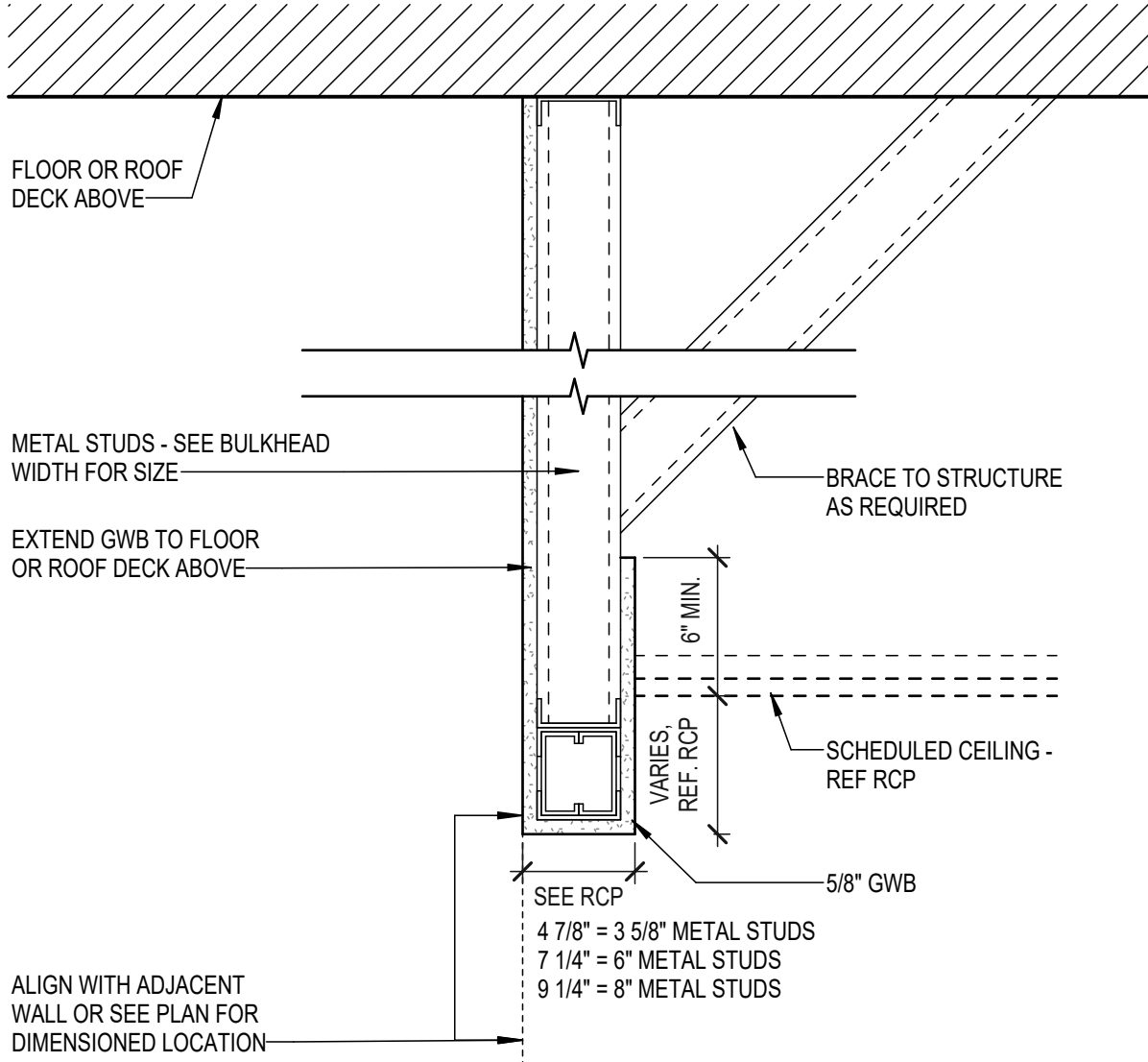
TYP. SUSPENDED GWB CEILING DETAIL

SCALE: 1 1/2" = 1'-0"



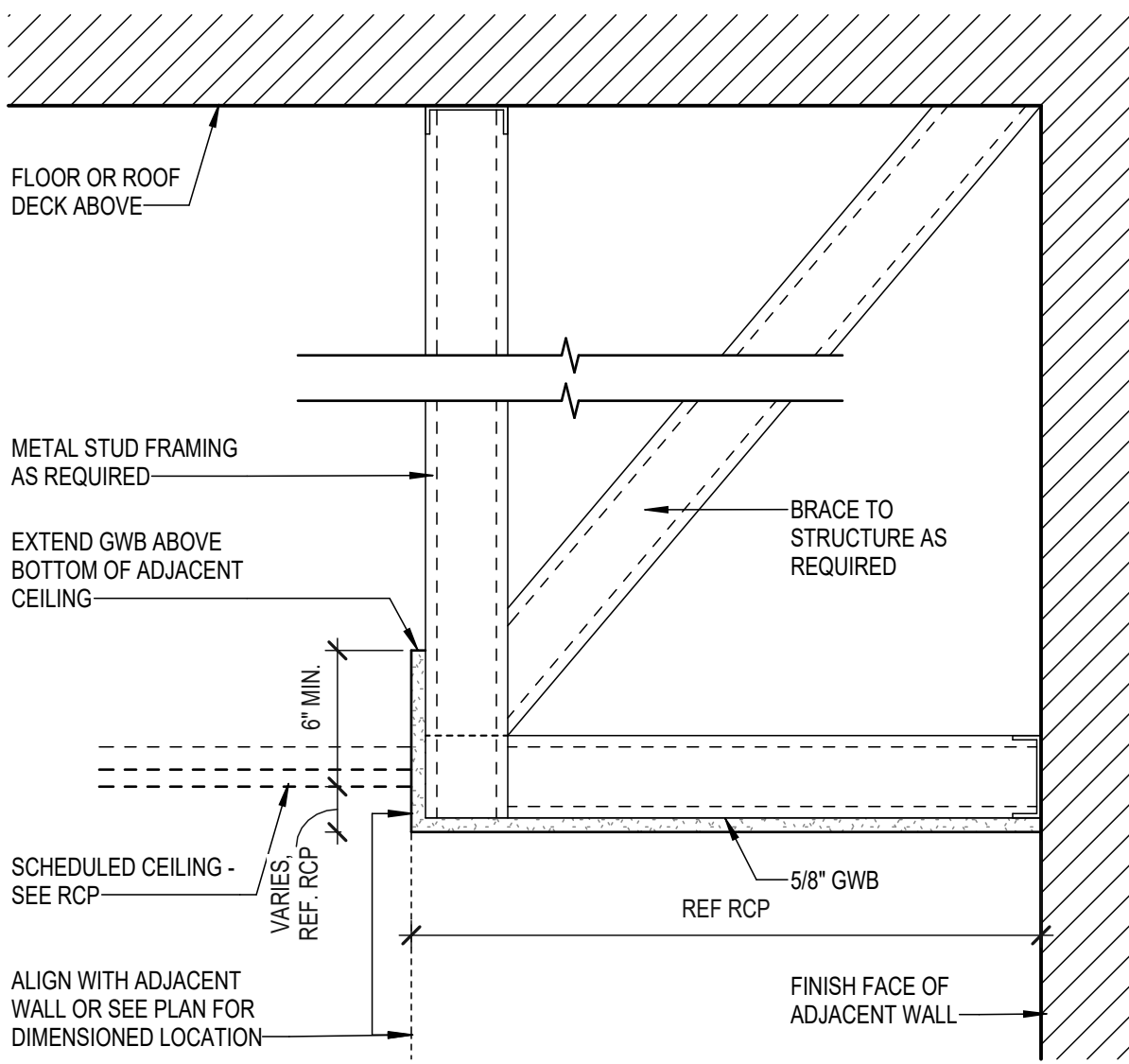
B1 BULKHEAD DETAIL

A123 SCALE: 1 1/2" = 1'-0"



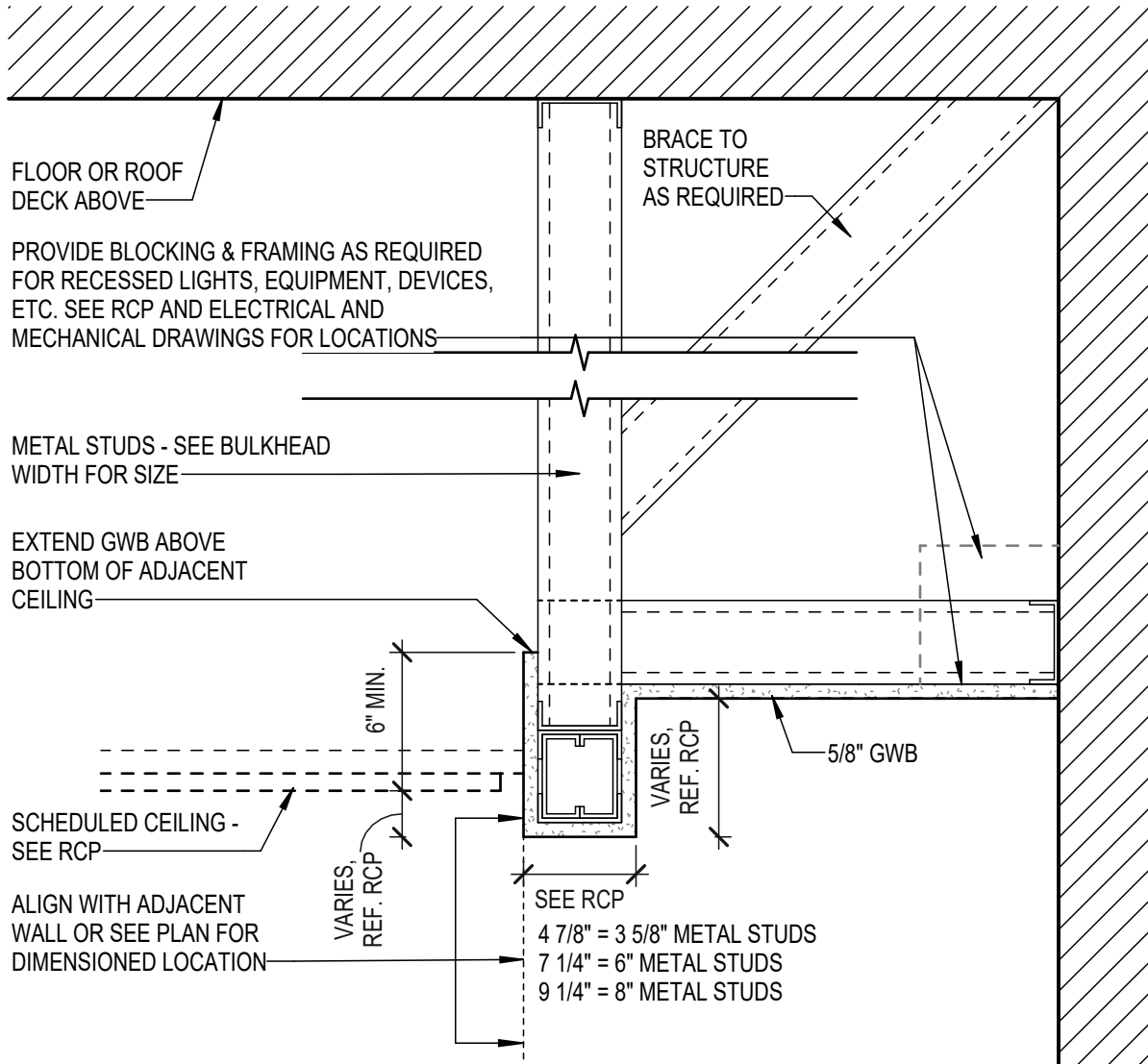
B2 BULKHEAD DETAIL

A123 SCALE: 1 1/2" = 1'-0"



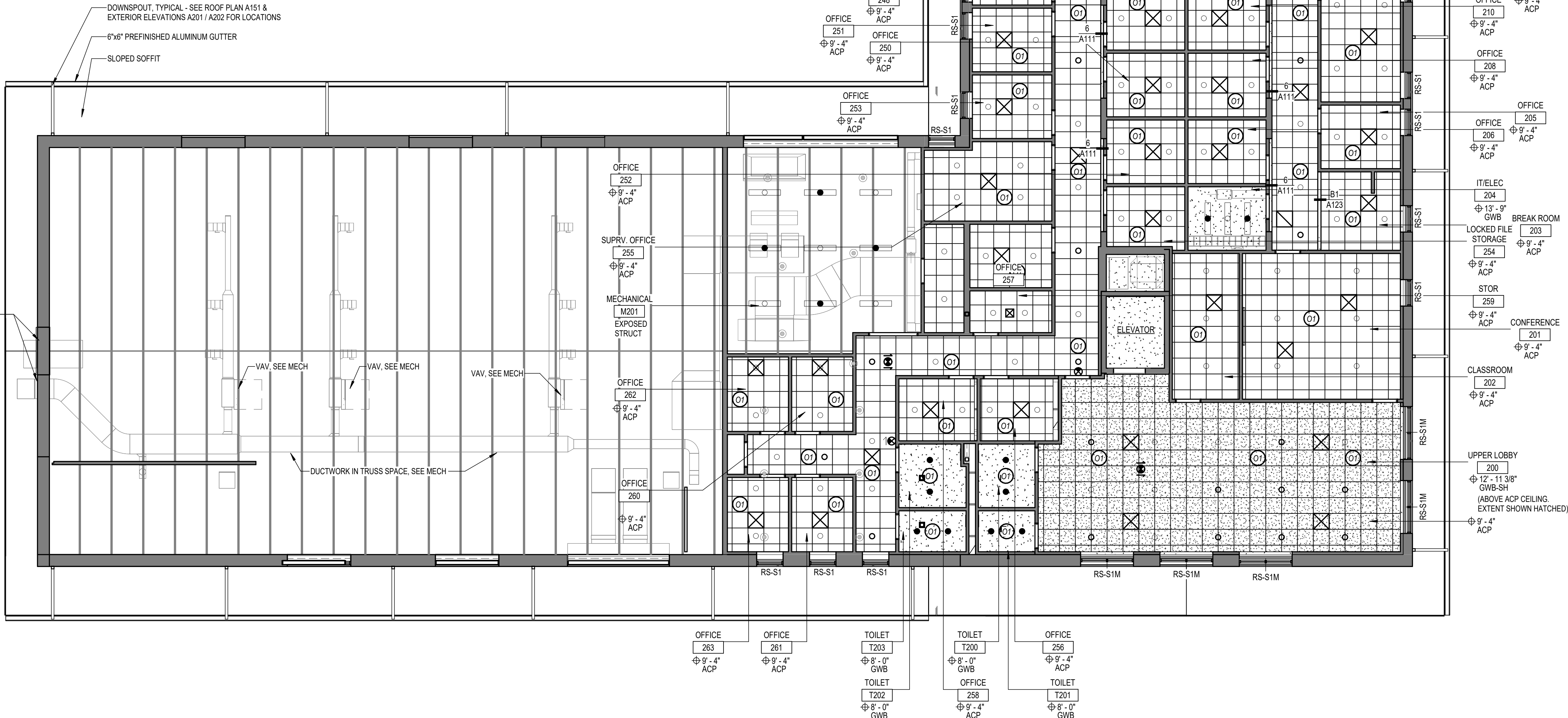
B5 BULKHEAD DETAIL

A123 SCALE: 1 1/2" = 1'-0"



B7 BULKHEAD DETAIL

A123 SCALE: 1 1/2" = 1'-0"



REFLECTED CEILING GENERAL NOTES

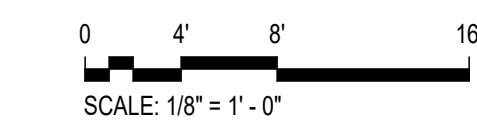
- GN-1: DIMENSION GUIDELINES:
 - REFLECTED CEILING PLAN DIMENSIONS ARE FROM FACE OF WALL FINISH (GWB, CMU, ETC.) TO FACE OF BULKHEAD FINISH.
 - CENTERLINE OF ACP GRID, CENTERLINE OF STRUCTURAL GRID, ETC. U.N.O.
- GN-2: SUPPORT FRAMING SHOWN AT GWB CEILINGS AND BULKHEADS INDICATES DIMENSIONAL DESIGN INTENT. AT CONTRACTOR'S OPTION, SUBSTITUTE SUSPENDED METAL GRID FRAMING SYSTEM FOR STUD FRAMING AT GWB. CONTRACTOR TO COORDINATE FRAMING AS REQUIRED FOR RECESSED AND SURFACE MOUNTED CEILING ELEMENTS, INCLUDING LIGHTS, BULKHEADS, TRANSITIONS, ROLLER SHADES, PROJECTORS, ETC.
- GN-3: REFER TO MECHANICAL DRAWINGS FOR SIDEWALL MOUNTED SUPPLIES AND RETURNS NOT INDICATED ON RCP.
- GN-4: REFER TO ELECTRICAL DRAWINGS FOR WALL MOUNTED AND UNDER CABINET FIXTURES AND SPEAKERS NOT INDICATED ON RCP.
- GN-5: AT LOCATIONS WHERE ACP WILL BE 6" OR LESS IN WIDTH, USE A 2X4 ACP OF THE SAME TYPE AND MANUFACTURER. FOR EXAMPLE: IN LEFT OF A 6X24" ACP NEXT TO A 2X24" ACP, THE PANEL SHALL BE 30X24" AND EXTEND TO THE WALL OR SOFFIT.
- GN-6: PROVIDE ACCESS PANELS FOR ABOVE CEILING ACCESS AT GWB CEILINGS WHERE REQUIRED. SEE PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR EQUIPMENT REQUIRING ACCESS PANELS.
- GN-7: PAINT ALL EXPOSED GWB, EXPOSED STRUCTURE, AND DECK U.N.O. - SEE FINISH LEGEND AND SCHEDULE.
- GN-8: SEE WALL SECTIONS AND DETAILS FOR CEILING TERMINATIONS AT EXTERIOR WALL.
- GN-9: PAINT COLORS NOTED ARE FOR THE BOTTOM AND SIDES OF BULKHEADS AND SOFFITS - SEE FINISH LEGEND AND SCHEDULE.

REFLECTED CEILING PLAN LEGEND

- GWB CEILING - PAINTED
- EXPOSED STRUCTURE AND METAL DECK ABOVE - PAINTED
- SUSPENDED ACOUSTICAL CEILING PANEL SYSTEM (ACP)
- 2X4 LIGHT FIXTURE, RE. ELEC
- 2X2 LIGHT FIXTURE, RE. ELEC
- PENDANT LIGHT FIXTURE
- WALL MOUNTED LIGHT
- GROUND MOUNTED UP-LIGHT
- EXIT SIGN, RE. ELEC
- AUDIO ENHANCEMENT SYSTEM SPEAKER
- CEILING MOUNTED SPEAKER
- OCCUPANCY SENSOR
- HVAC SUPPLY DIFFUSER, RE. MECH
- HVAC RETURN GRILLE, RE. MECH
- ABOVE FINISH FLOOR (A.F.F.)
- ROLLER SHADE - SINGLE
- ROLLER SHADE - DOUBLE
- R = RECESSED
- S = SURFACE MOUNT
- NO. OF ROLLERS
- "M" IF MOTORIZED
- NOTE: REFERENCE FRAMED OPENING ELEVATIONS FOR CORRESPONDING LENGTH
- RS-S1M - ROLLER SHADE - PROVIDE (3) MOTORIZED SHADES AT EACH LOCATION ONE SHADE AT HIGH BAY WINDOW AND TWO SHADES AT LOWER OPENING. SHADES AT LOWER OPENING SHALL BE ADJUSTED IN LENGTH TO PREVENT OBSTRUCTION OF EXIT DOOR AND EXIT SIGN.

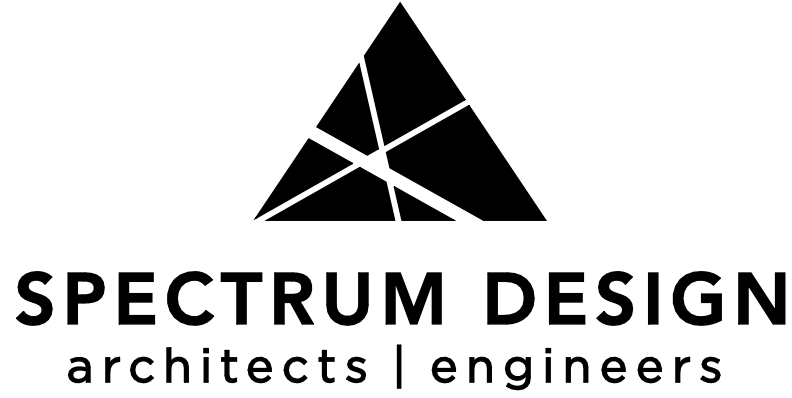
REFLECTED CEILING PLAN WALL LEGEND

- WALLS AND PARTITIONS TERMINATING ABOVE CEILING
- INTERIOR PARTITIONS TERMINATING BELOW CEILING



1 REFLECTED CEILING PLAN - UPPER FLOOR

A123 SCALE: 1/8" = 1'-0"



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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

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06.12.2026

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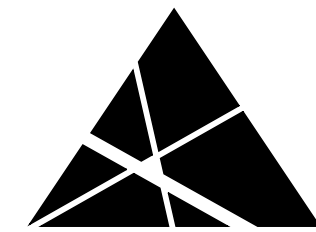
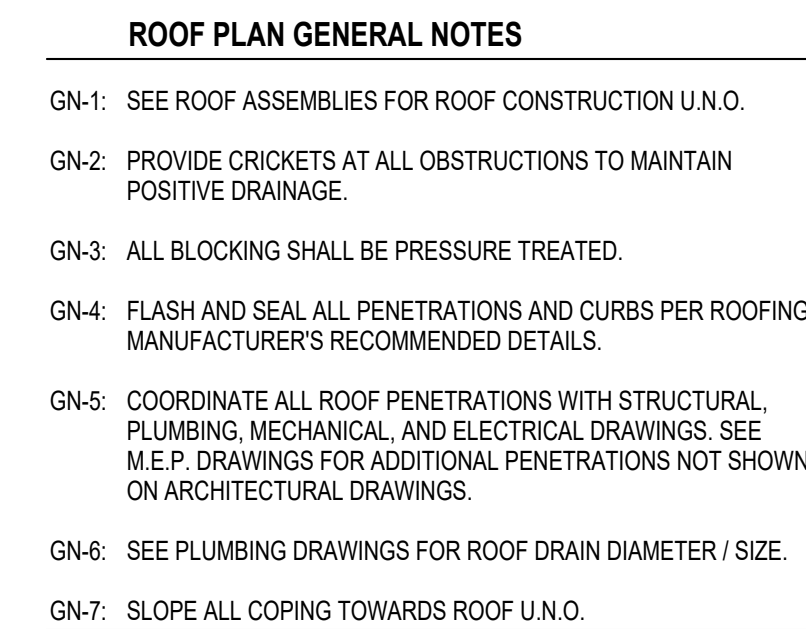
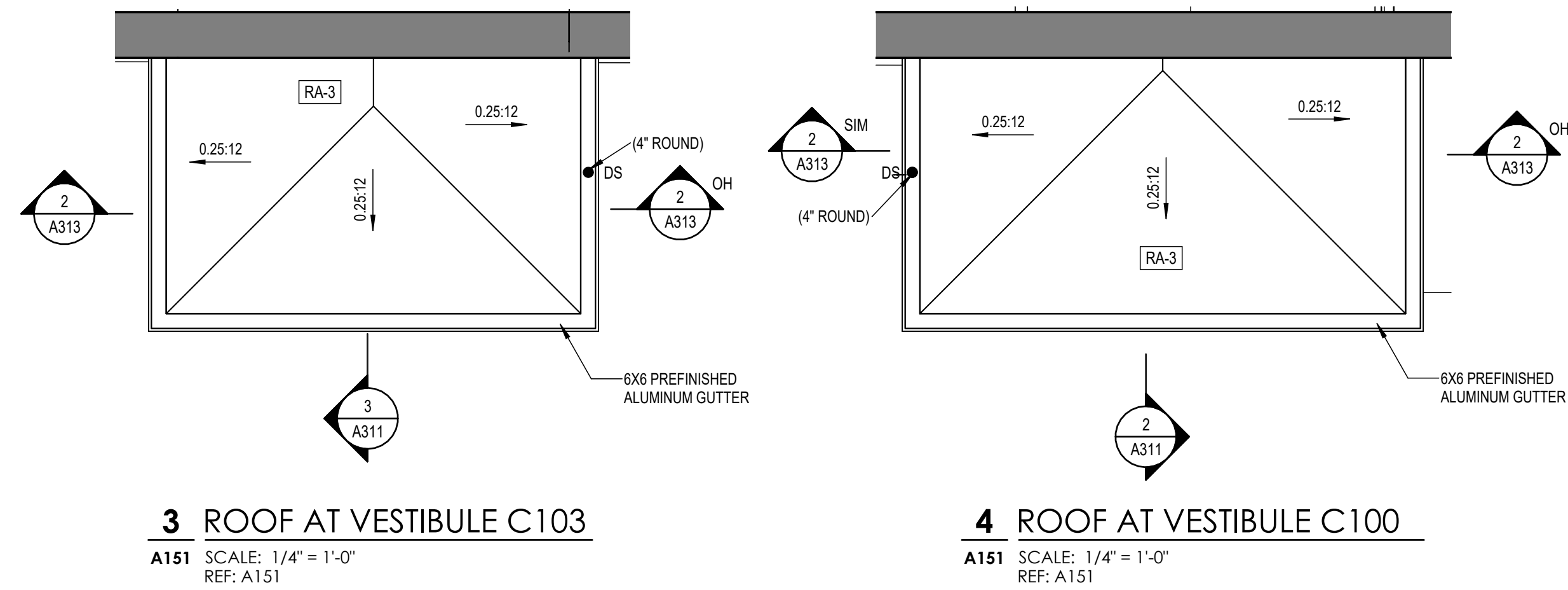
PLAN NORTH
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SHEET NAME:

REFLECTED CEILING PLAN - UPPER FLOOR

SHEET NUMBER:

A123



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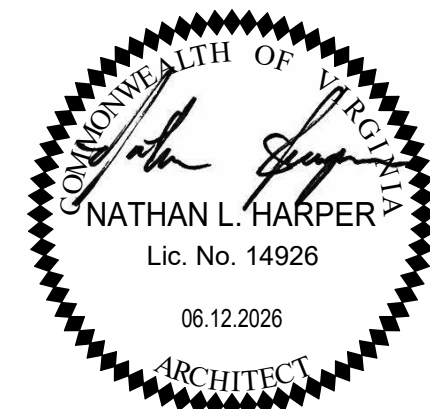
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














PROJ. MGR.: CHECKED BY: DRAWN BY:
JM NLH MCA, TLR, LAC

SHEET ISSUE DATE:
06.12.2026

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BID DOCUMENTS

SHEET REVISIONS:

ROOF LEGEND	
 DS	DOWNSPOUT
 RD	ROOF DRAIN
 OD	OVERFLOW DRAIN
 OS	EMERGENCY OVERFLOW SCUPPER, LOCATE INLET AT 2' ABOVE ADJACENT ROOF LEVEL U.N.O., TYP.
 I	TAPERED INSULATION / CRICKETS
 VTR	VENT THROUGH PIPE THROUGH ROOF
 PP	PITCH POCKET
 SL = 1/4" : 1'-0" (TYP U.N.O.)	ROOF SLOPE & DIRECTION
 MECH	MECHANICAL EQUIPMENT AND DUCTWORK MTD ON ROOF CURBS, SEE MECH
	NEW ROOF WALKWAY PADS, PROVIDE AS SHOWN ON EXISTING AND NEW ROOFS TYP
	ROOF ACCESS LADDER W/ PLATFORM
	GUTTER AND DOWNSPOUT
	MECHANICAL EQUIPMENT SCREEN REF DETAIL AND STRUCT FOR ADDITIONAL INFORMATION
	SMOKE VENT
	TOP PT CURB (T.O.C.) ELEVATION ABOVE HIGHEST ADJACENT ROOF AS NOTED

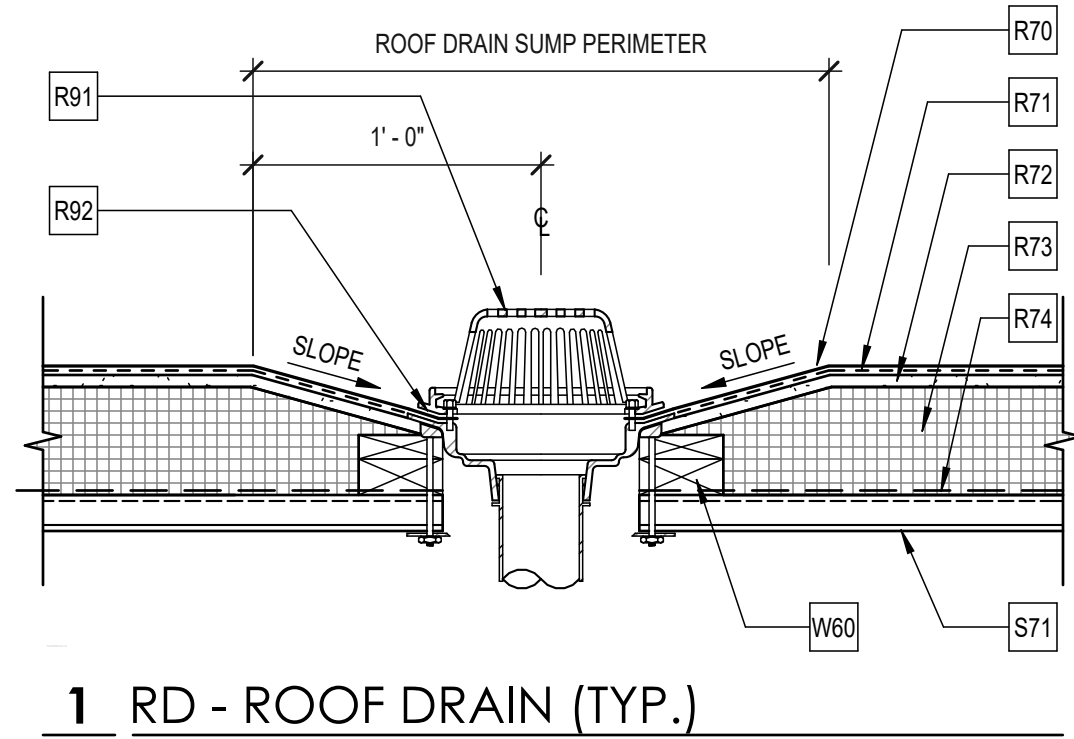


SHEET NAME:
ROOF PLAN

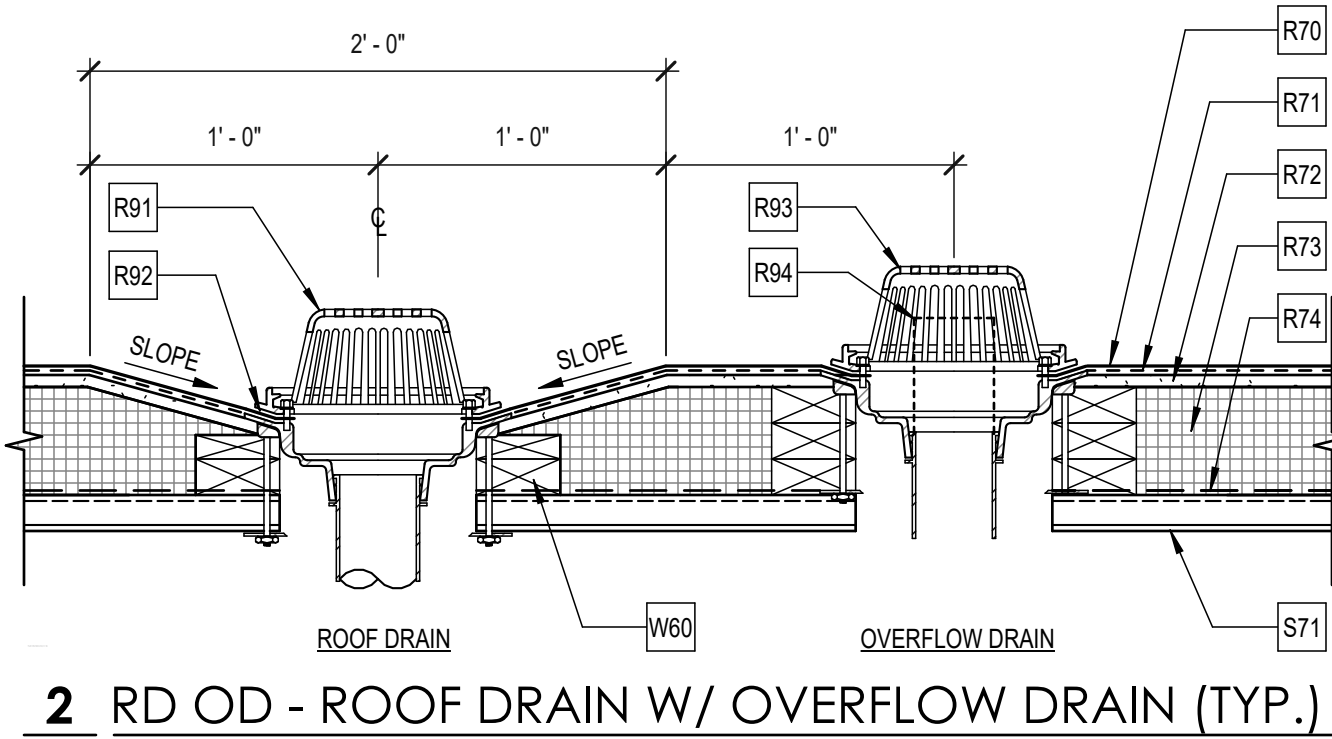
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A151

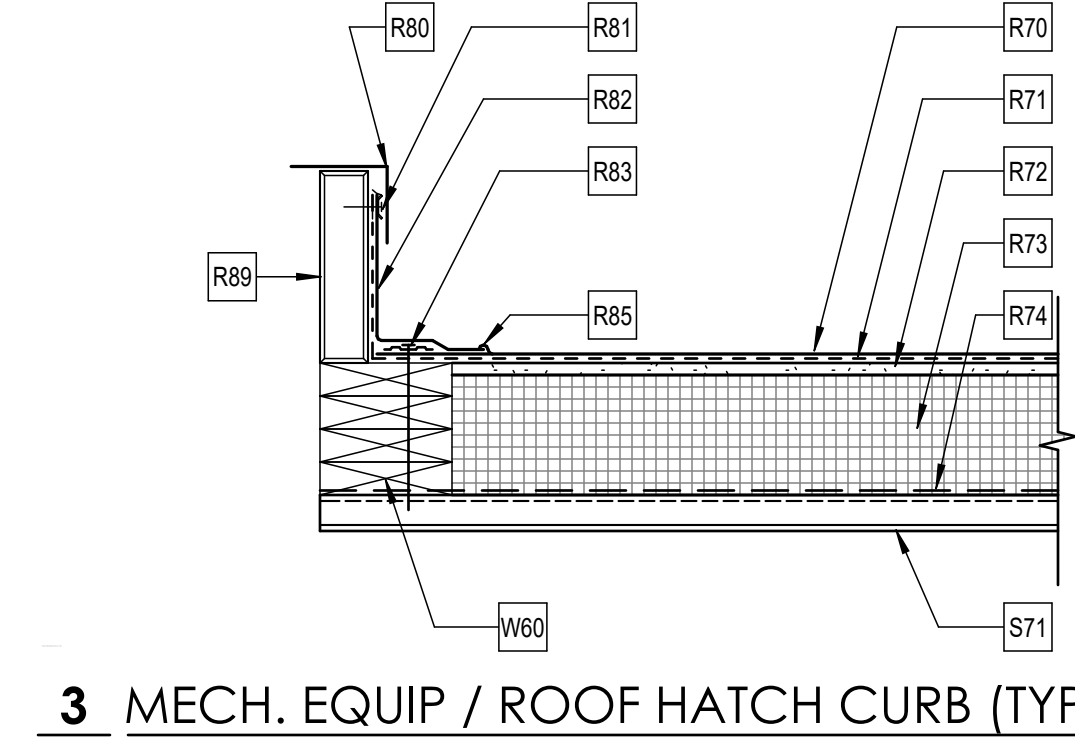
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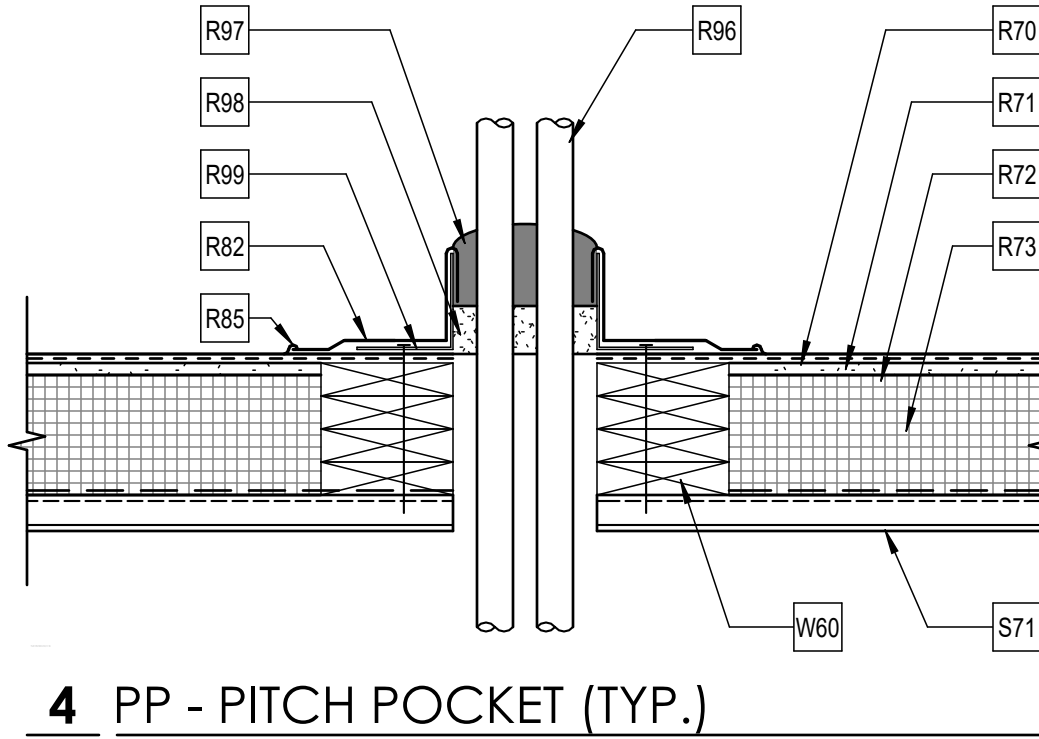
1 RD - ROOF DRAIN (TYP.)
A152 SCALE: 1 1/2" = 1'-0"



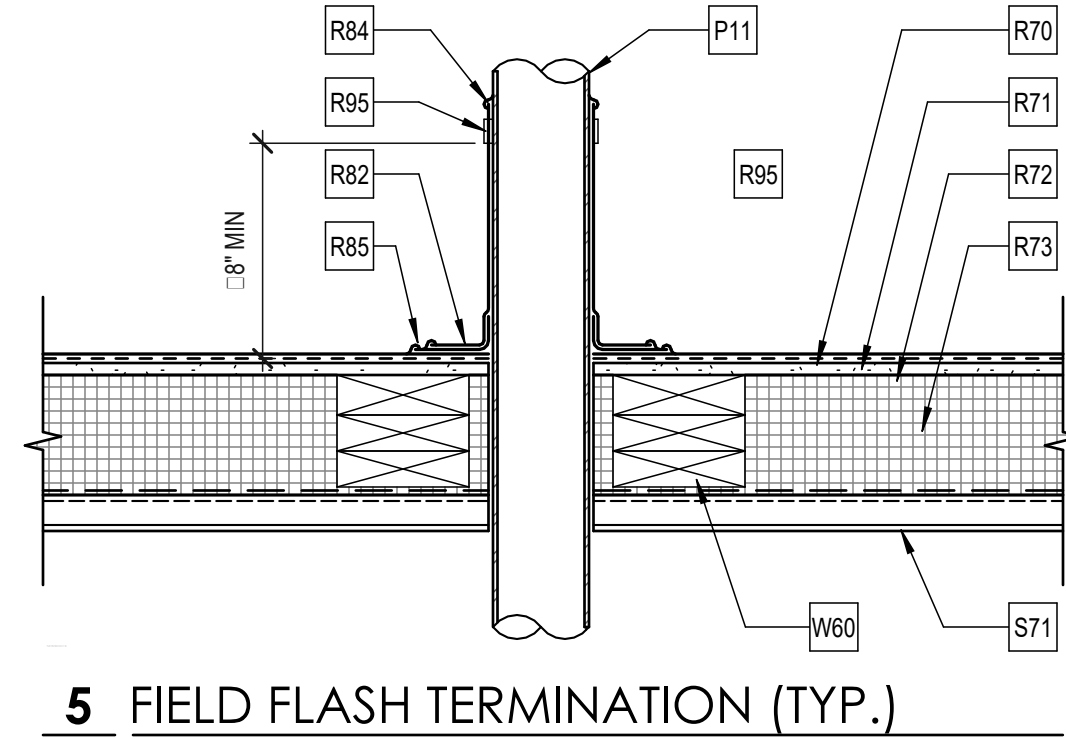
2 RD OD - ROOF DRAIN W/ OVERFLOW DRAIN (TYP.)
A152 SCALE: 1 1/2" = 1'-0"



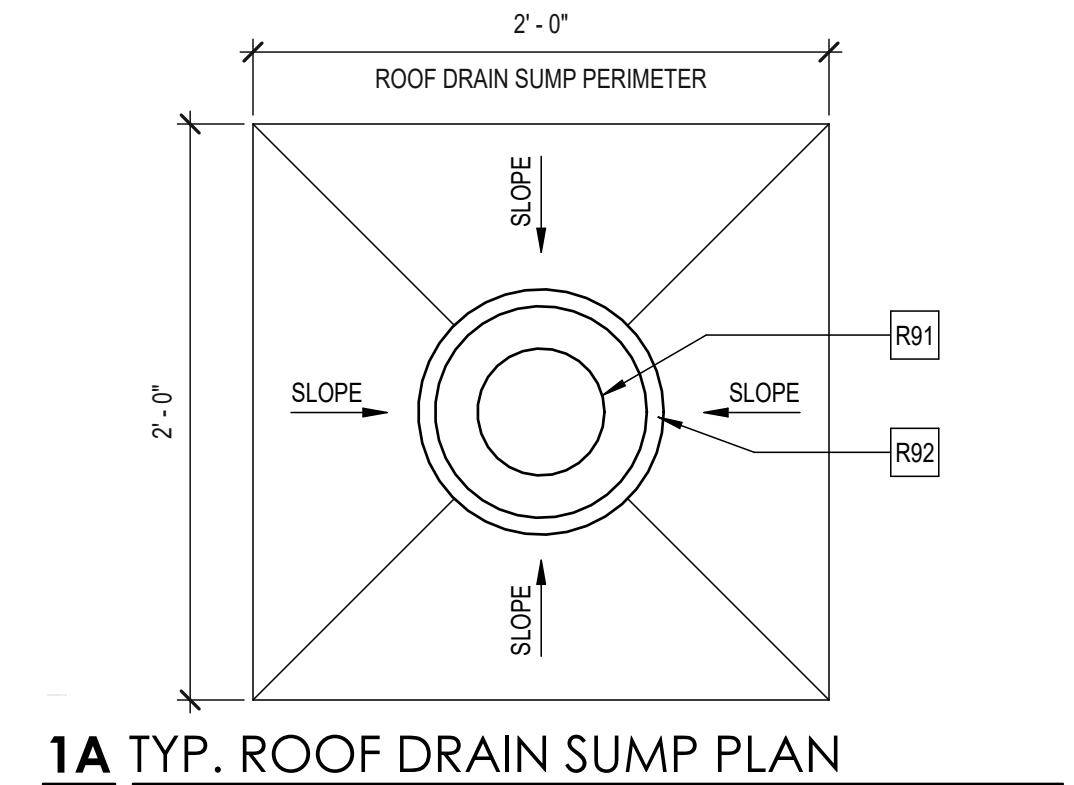
3 MECH. EQUIP / ROOF HATCH CURB (TYP.)
A152 SCALE: 1 1/2" = 1'-0"



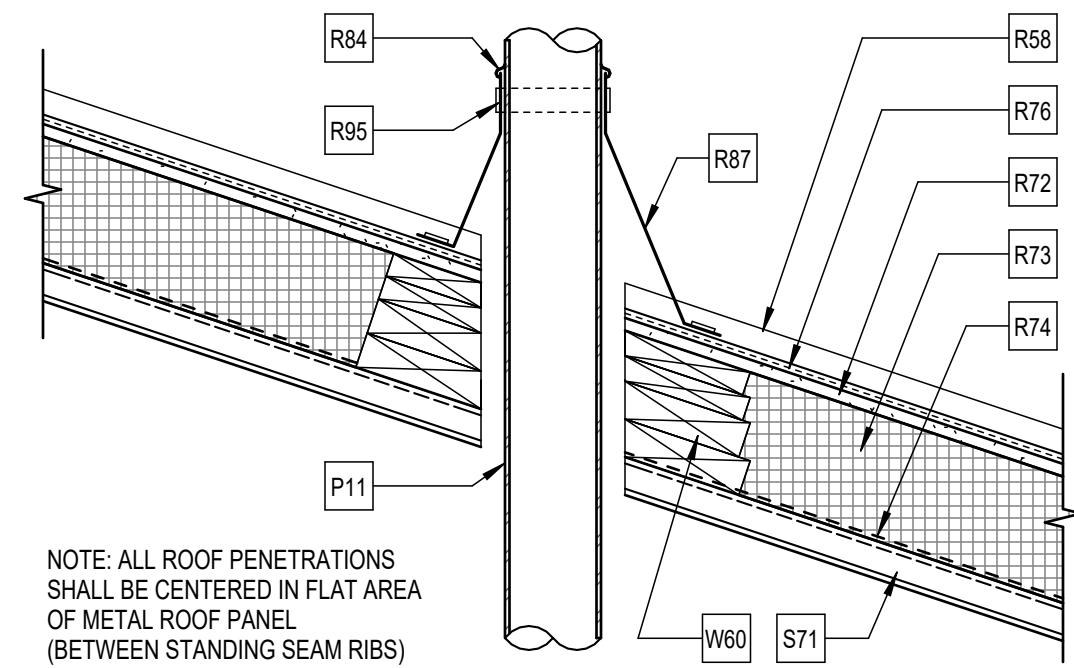
4 PP - PITCH POCKET (TYP.)
A152 SCALE: 1 1/2" = 1'-0"



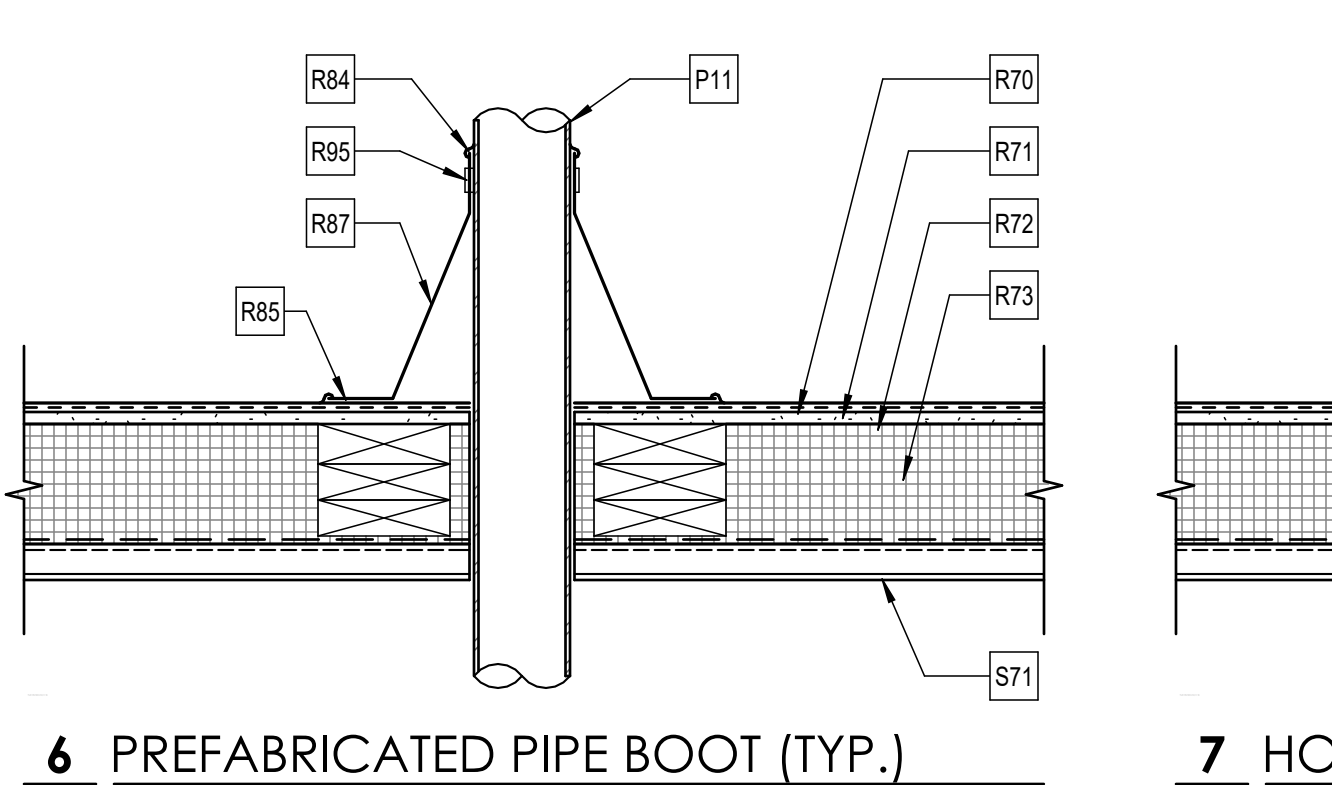
5 FIELD FLASH TERMINATION (TYP.)
A152 SCALE: 1 1/2" = 1'-0"



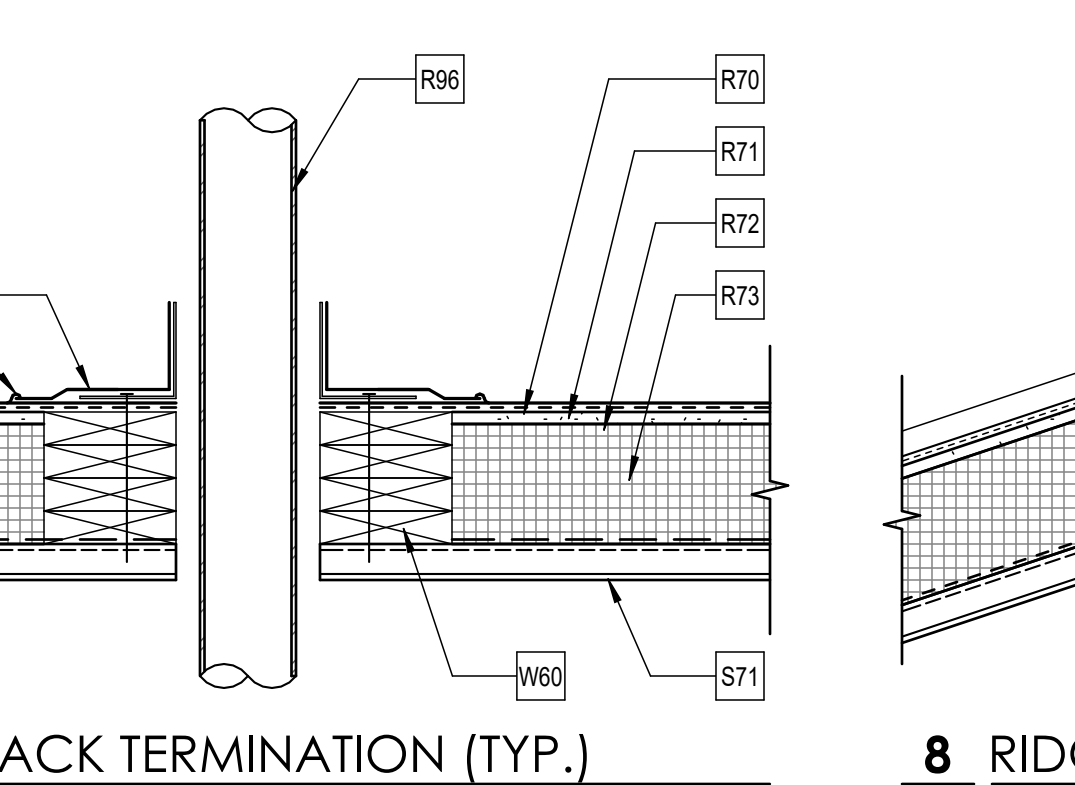
1A TYP. ROOF DRAIN SUMP PLAN
A152 SCALE: 1 1/2" = 1'-0"



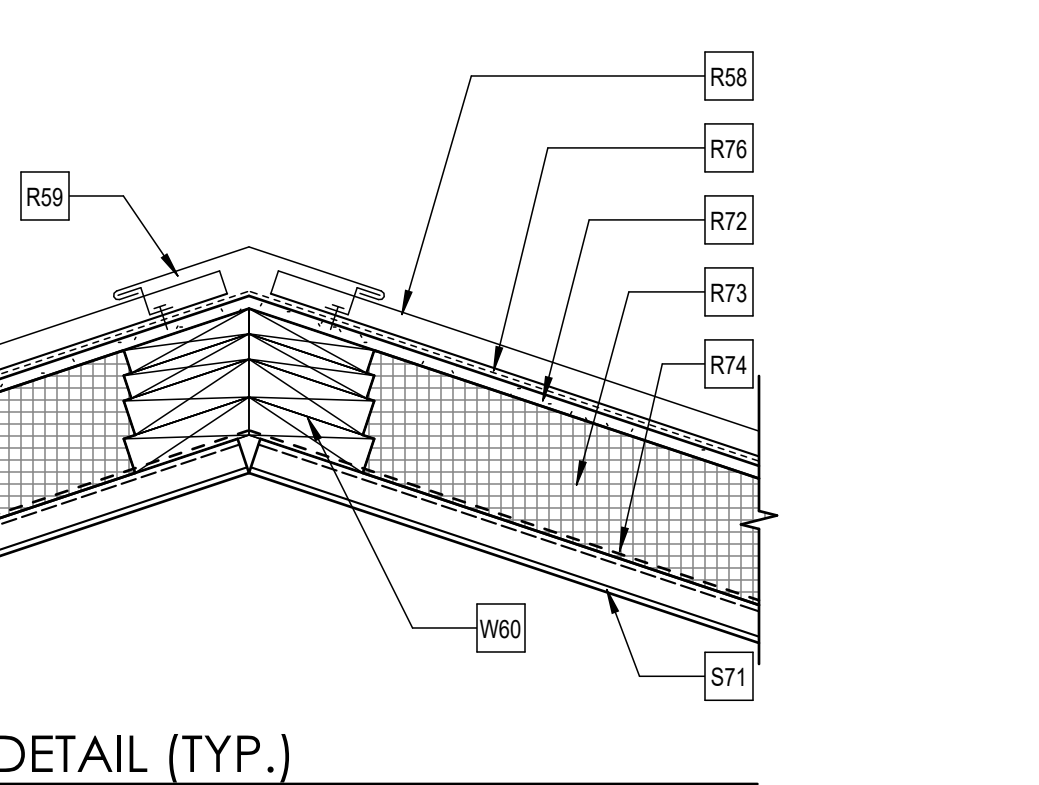
9 METAL ROOF PENETRATION (TYP.)
A152 SCALE: 1 1/2" = 1'-0"



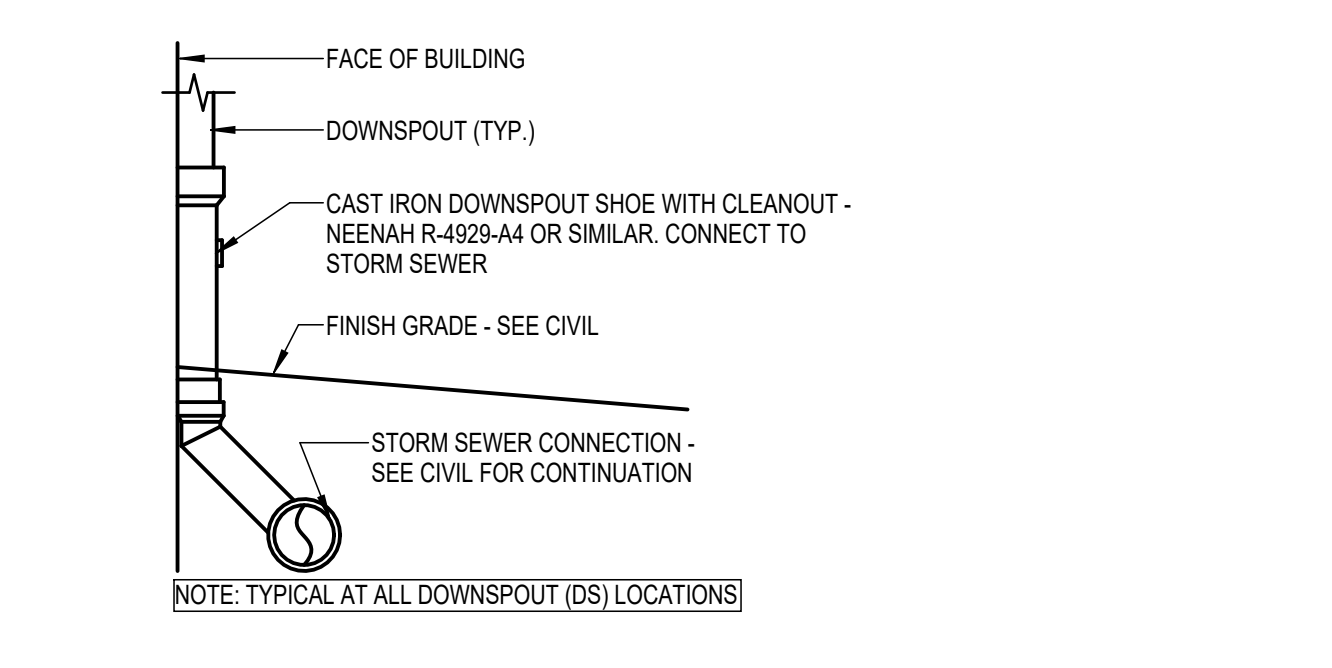
6 PREFABRICATED PIPE BOOT (TYP.)
A152 SCALE: 1 1/2" = 1'-0"



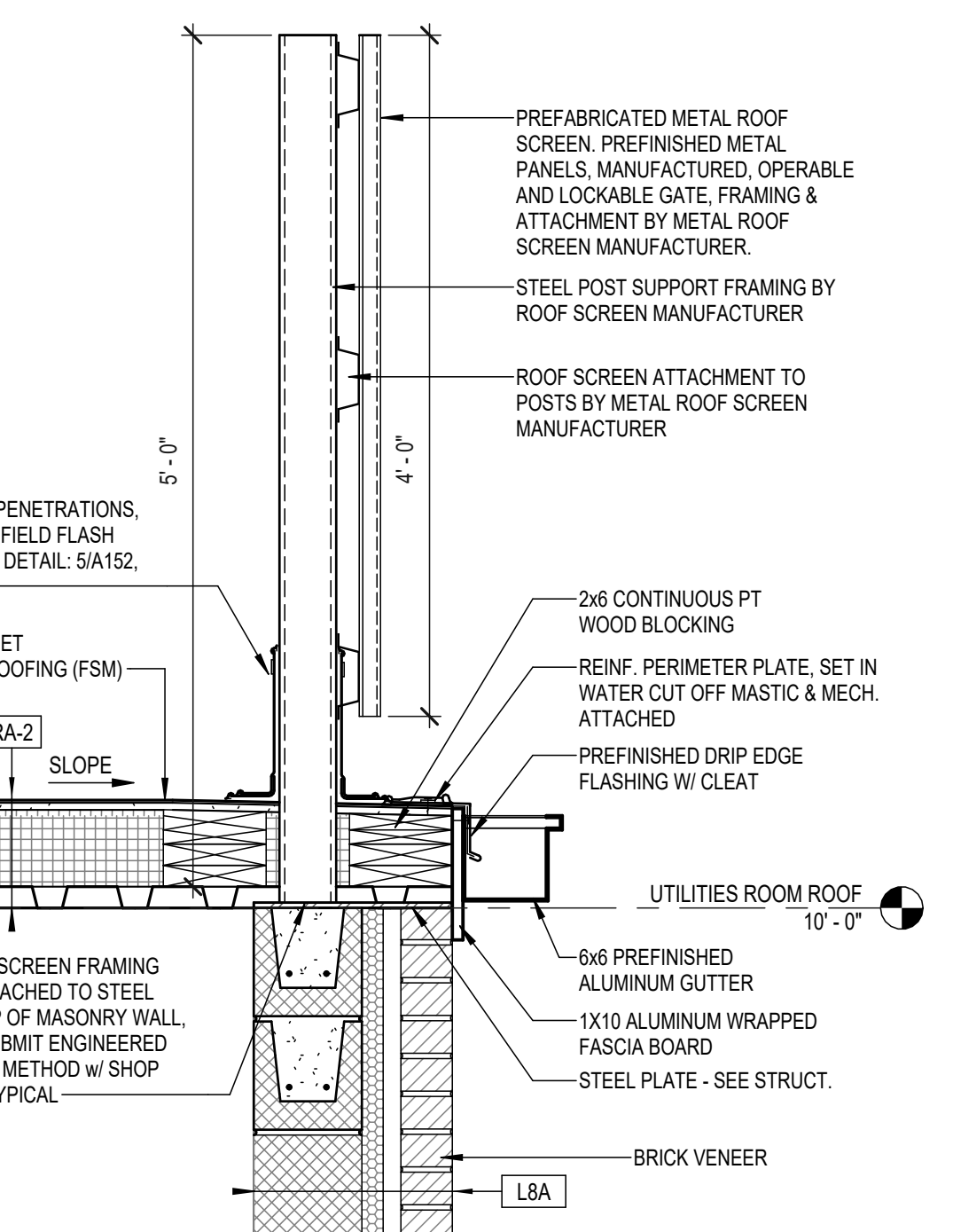
7 HOT STACK TERMINATION (TYP.)
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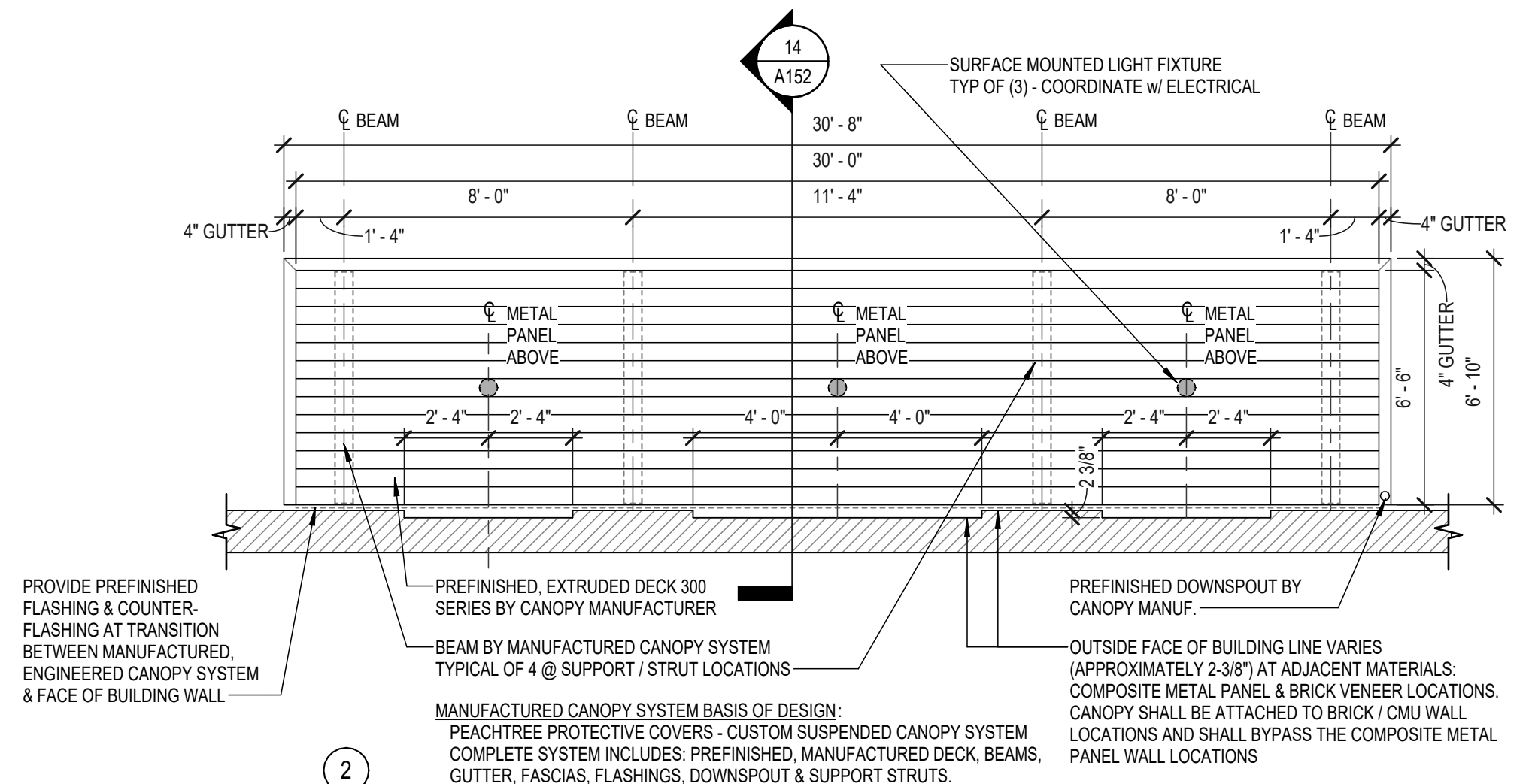
8 RIDGE DETAIL (TYP.)
A152 SCALE: 1 1/2" = 1'-0"



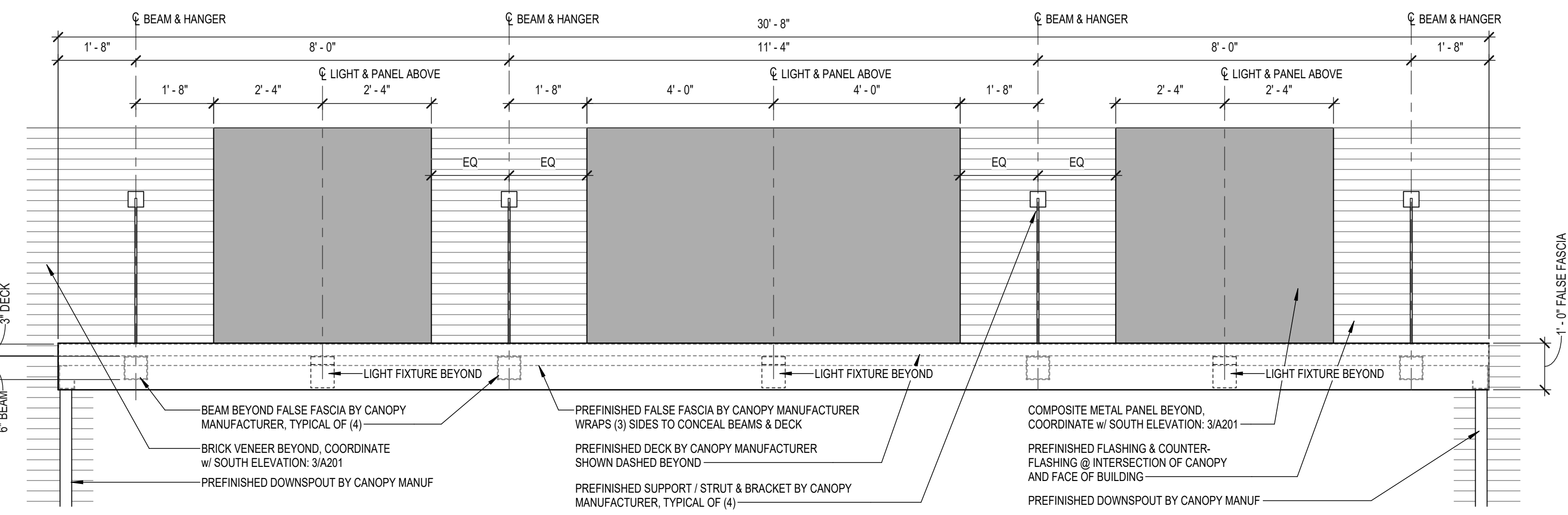
10 DOWNSPOUT TERMINATION (TYP.)
A152 SCALE: 3/4" = 1'-0"



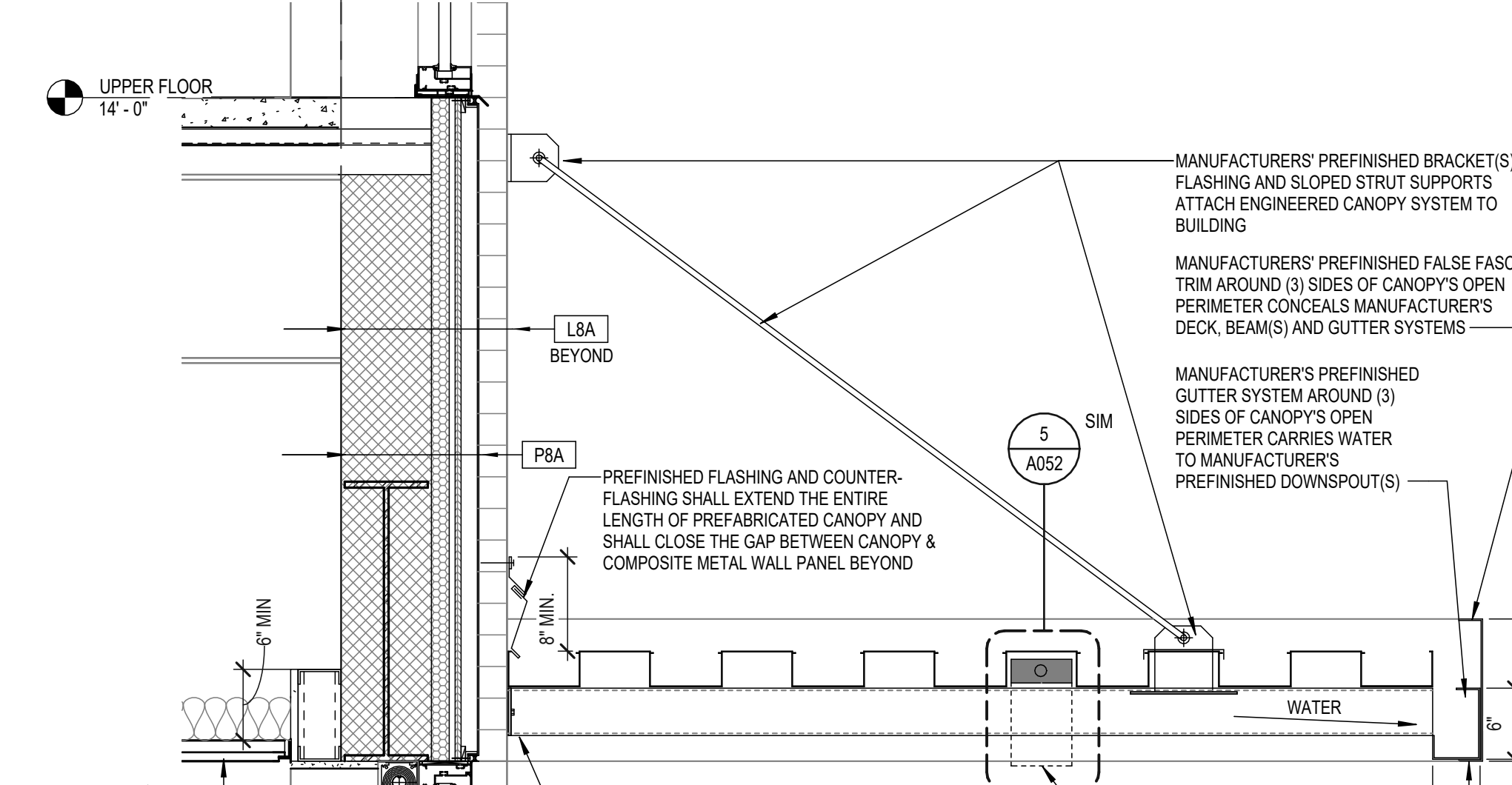
11 ROOF SCREEN DETAIL
A152 SCALE: 1" = 1'-0"



12 BREAK ROOM CANOPY PLAN
A152 SCALE: 1/4" = 1'-0"

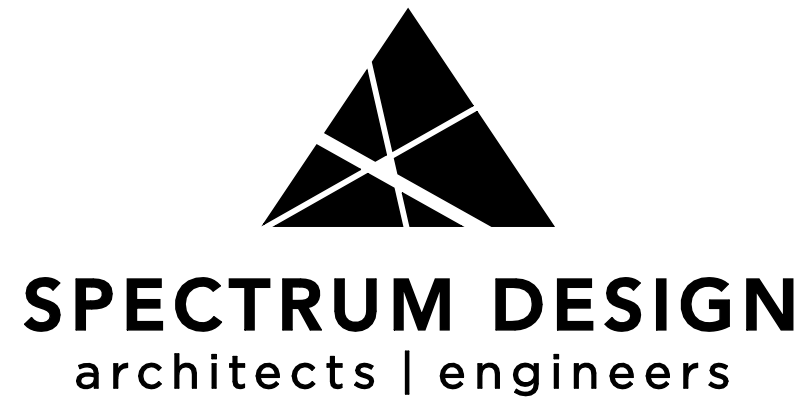


13 BREAK ROOM CANOPY ELEVATION
A152 SCALE: 1/2" = 1'-0"
REF: A201



14 BREAK ROOM CANOPY SECTION
A152 SCALE: 1" = 1'-0"
REF: A152

- ROOF PLAN GENERAL NOTES**
- GN-1: SEE ROOF ASSEMBLIES FOR ROOF CONSTRUCTION U.N.O.
- GN-2: PROVIDE CRICKETS AT ALL OBSTRUCTIONS TO MAINTAIN POSITIVE DRAINAGE.
- GN-3: ALL BLOCKING SHALL BE PRESSURE TREATED.
- GN-4: FLASH AND SEAL ALL PENETRATIONS AND CURBS PER ROOFING MANUFACTURER'S RECOMMENDED DETAILS.
- GN-5: COORDINATE ALL ROOF PENETRATIONS WITH STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS. SEE M.E.P. DRAWINGS FOR ADDITIONAL PENETRATIONS NOT SHOWN ON ARCHITECTURAL DRAWINGS.
- GN-6: SEE PLUMBING DRAWINGS FOR ROOF DRAIN DIAMETER / SIZE.
- GN-7: SLOPE ALL COPING TOWARDS ROOF U.N.O.
- SHEET KEYNOTES**
- P11 VENT PIPE - SEE PLUMBING DRAWINGS
- R70 FLEXIBLE SHEET MEMBRANE ROOFING (FSM)
- R71 BONDING ADHESIVE
- R72 (1) LAYER 1/2" INSULATED COVERBOARD (R-2.5 MIN)
- R73 POLYISO BOARD INSULATION - STAGGERED JOINTS
- R74 VAPOR / AIR BARRIER MEMBRANE
- R80 CURB FLASHING
- R81 TERMINATION BAR
- R82 FSM FLASHING
- R83 FASTENER AND PLATE
- R84 SEALANT
- R85 HEAT WELD AND SEALANT
- R87 PREFABRICATED PIPE BOOT
- R89 PREMANUFACTURED EQUIPMENT CURB
- R91 ROOF DRAIN ASSEMBLY
- R92 SET ROOF DRAIN ELEVATION 1" BELOW SUMP PERIMETER
- R93 OVERFLOW DRAIN ASSEMBLY
- R94 ADJUSTABLE OVERFLOW DRAIN COLLAR
- R95 STAINLESS STEEL BAND CLAMP
- R96 CONDUIT, PIPE POST, ETC.
- R97 MIN. 2" POURABLE SEALER MOUND TO SHED WATER
- R98 NON-SHRINK GROUT OR OTHER ACCEPTABLE FILLER MATERIAL
- R99 MECHANICALLY ATTACHED METAL DAM
- S71 METAL ROOF DECK
- W60 2x P.T. WOOD BLOCKING



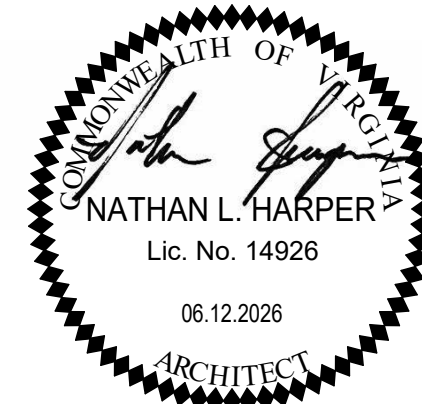
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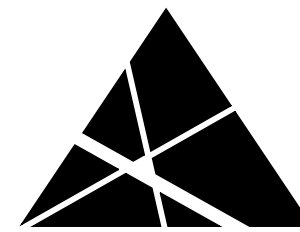
SHEET NAME:

ROOF DETAILS

SHEET NUMBER:

A152

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SCALE: 1/8" = 1'-0"



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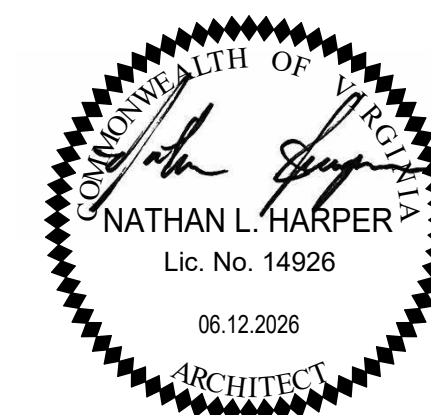
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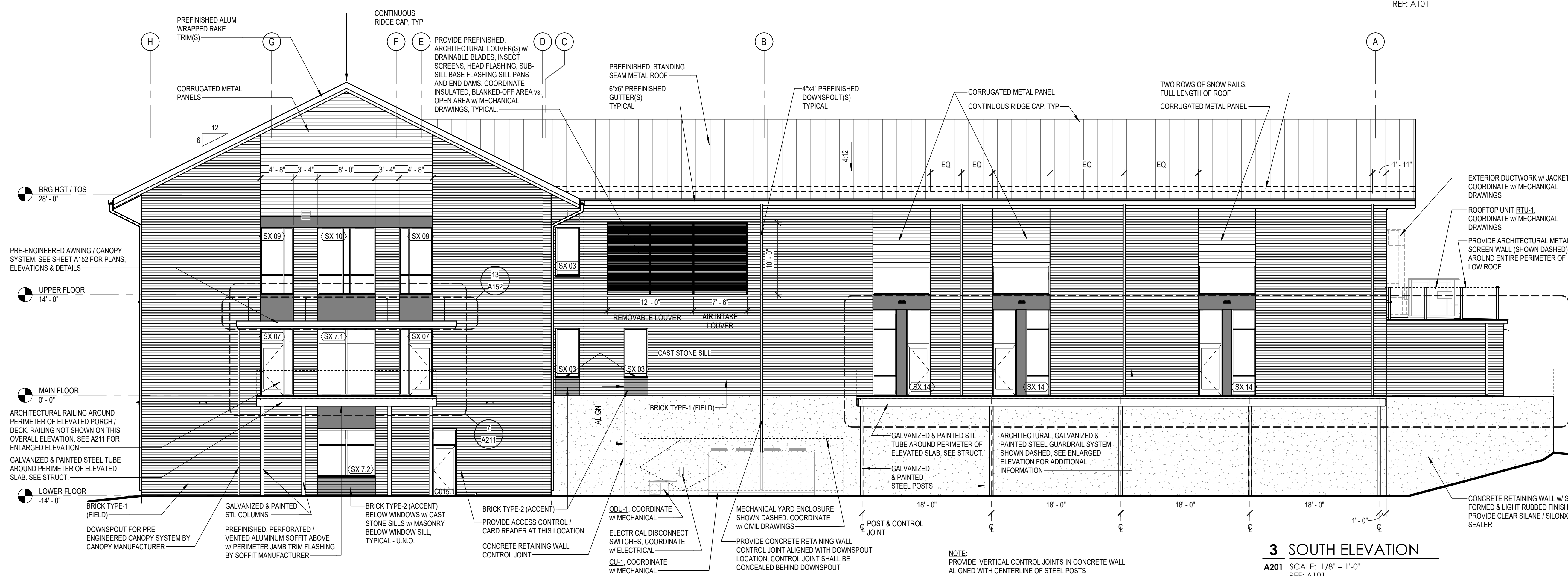
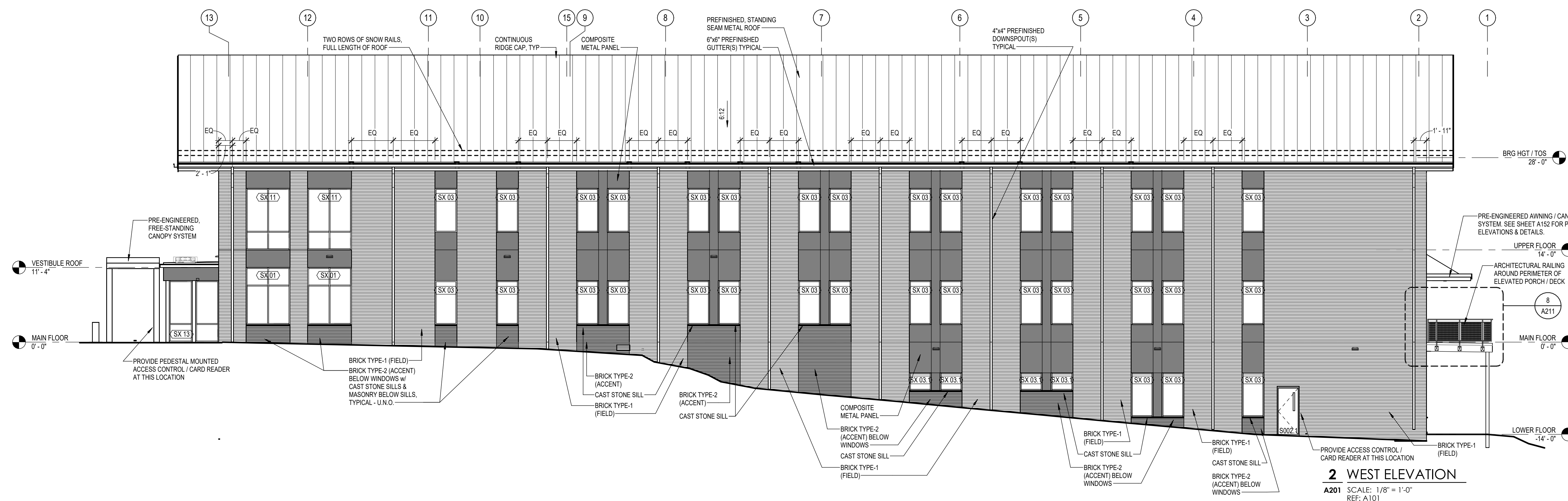
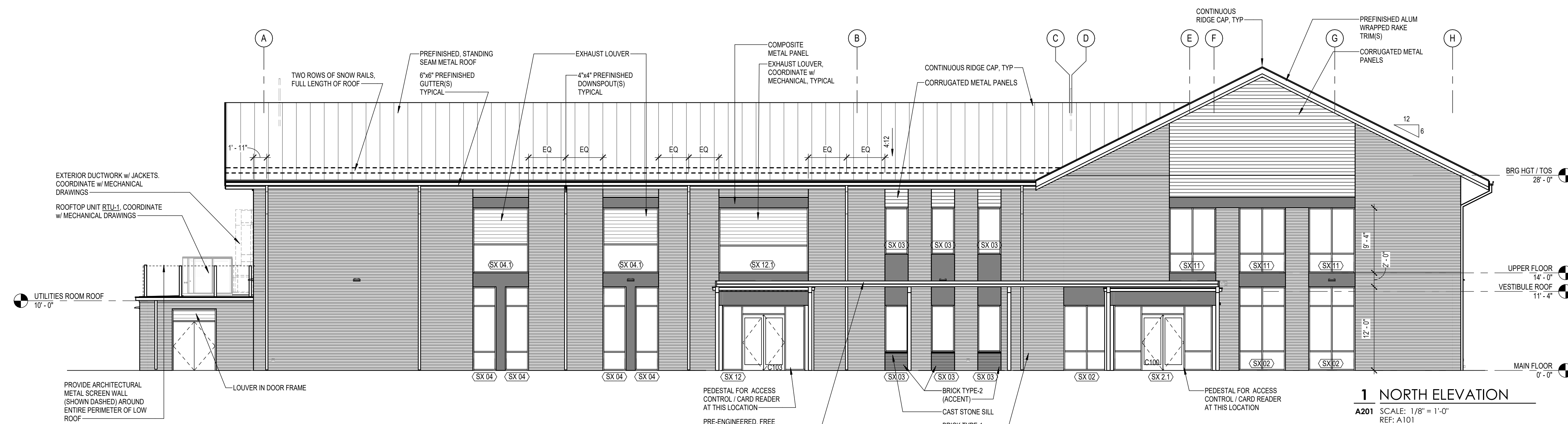
06.12.2026

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SHEET REVISIONS:

EXTERIOR ELEVATION GENERAL NOTES

- GN-1: SEE ROOF ASSEMBLIES FOR ROOF CONSTRUCTION U.N.O.
GN-2: PROVIDE CRICKETS AT ALL OBSTRUCTIONS TO MAINTAIN POSITIVE DRAINAGE.
GN-3: ALL BLOCKING SHALL BE PRESSURE TREATED.
GN-4: FLASH AND SEAL ALL PENETRATIONS AND CURBS PER ROOFING MANUFACTURER'S RECOMMENDED DETAILS.
GN-5: COORDINATE ALL ROOF PENETRATIONS WITH STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS. SEE M.E.P. DRAWINGS FOR ADDITIONAL PENETRATIONS NOT SHOWN ON ARCHITECTURAL DRAWINGS.



EXTERIOR ELEVATION MATERIAL LEGEND

FRAMED OPENINGS INDICATOR

Frame Type	CW = CURTAIN WALL
Frame No.	LVR = LOUVER
Frame Depth	HM = HOLLOW METAL
	SF = STOREFRONT (INTERIOR)
	SX = STOREFRONT (EXTERIOR)
	WN = WINDOW

GLAZING / PANEL LEGEND

GL-1 = 1/4" CLEAR	GL-5 = 1/4" ONE WAY MIRROR GLASS
GL-2 = 1" INSULATED	GL-6 = 1" INSULATED W/ SAFETY FILM
GL-3 = 1" INSULATED SPANDREL	IP = INSULATED METAL PANEL
GL-4 = 1" INSULATED W/ FROSTED FILM	

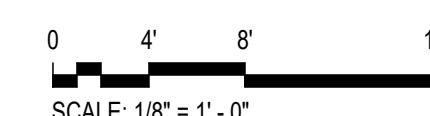


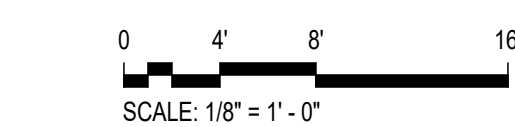
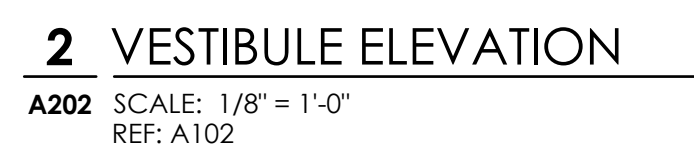
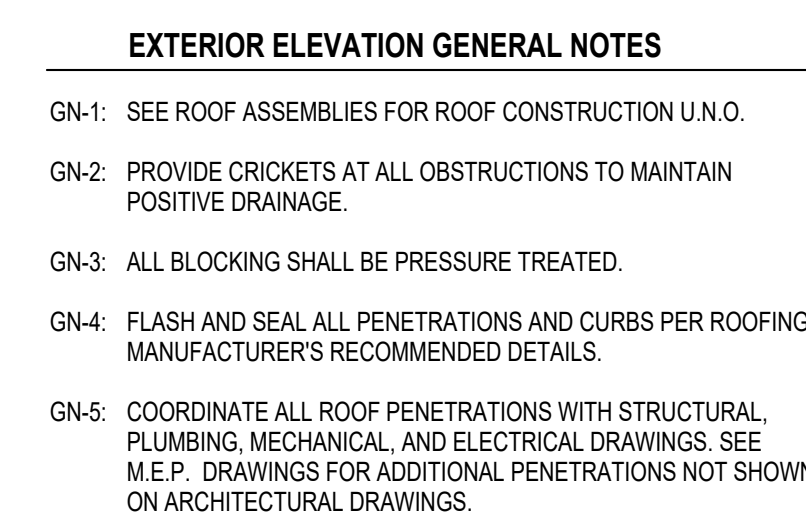
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EXTERIOR ELEVATIONS

SHEET NUMBER:

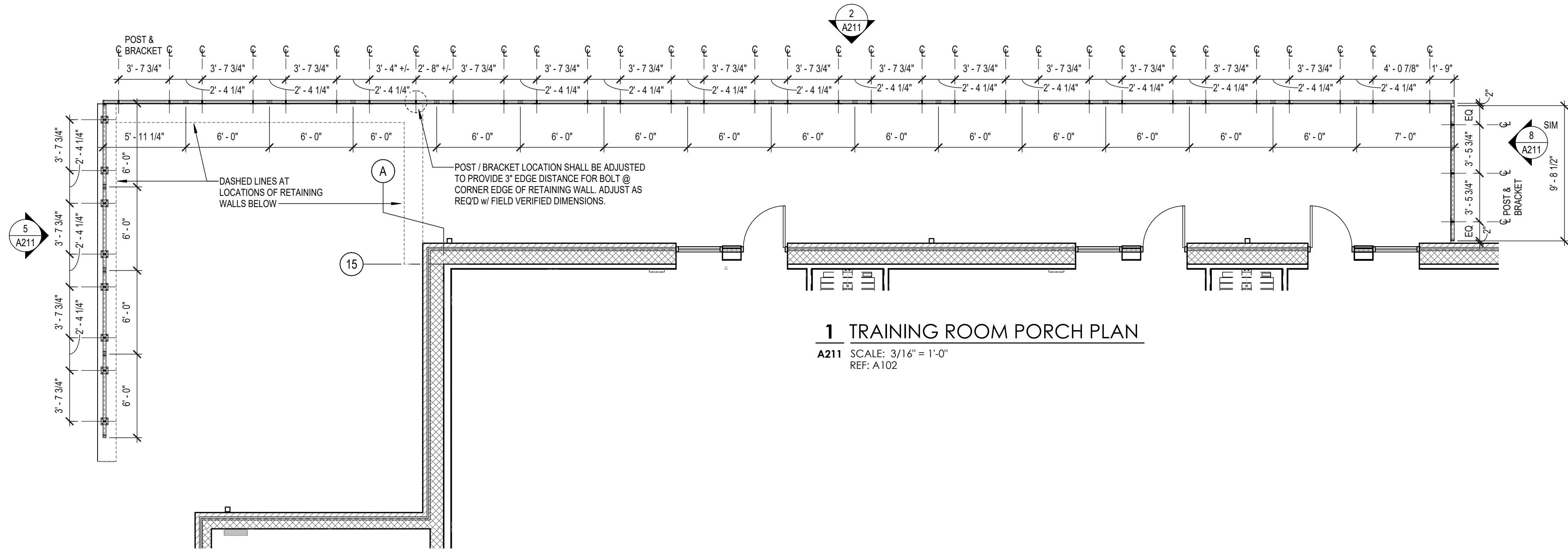
A201





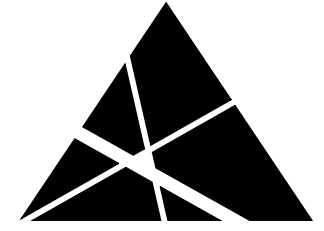
SHEET NUMBER:

A202



- EXTERIOR ELEVATION GENERAL NOTES**
- GN-1: SEE ROOF ASSEMBLIES FOR ROOF CONSTRUCTION U.N.O.
 - GN-2: PROVIDE CRICKETS AT ALL OBSTRUCTIONS TO MAINTAIN POSITIVE DRAINAGE.
 - GN-3: ALL BLOCKING SHALL BE PRESSURE TREATED.
 - GN-4: FLASH AND SEAL ALL PENETRATIONS AND CURBS PER ROOFING MANUFACTURER'S RECOMMENDED DETAILS.
 - GN-5: COORDINATE ALL ROOF PENETRATIONS WITH STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS. SEE M.E.P. DRAWINGS FOR ADDITIONAL PENETRATIONS NOT SHOWN ON ARCHITECTURAL DRAWINGS.

XX SHEET KEYNOTES



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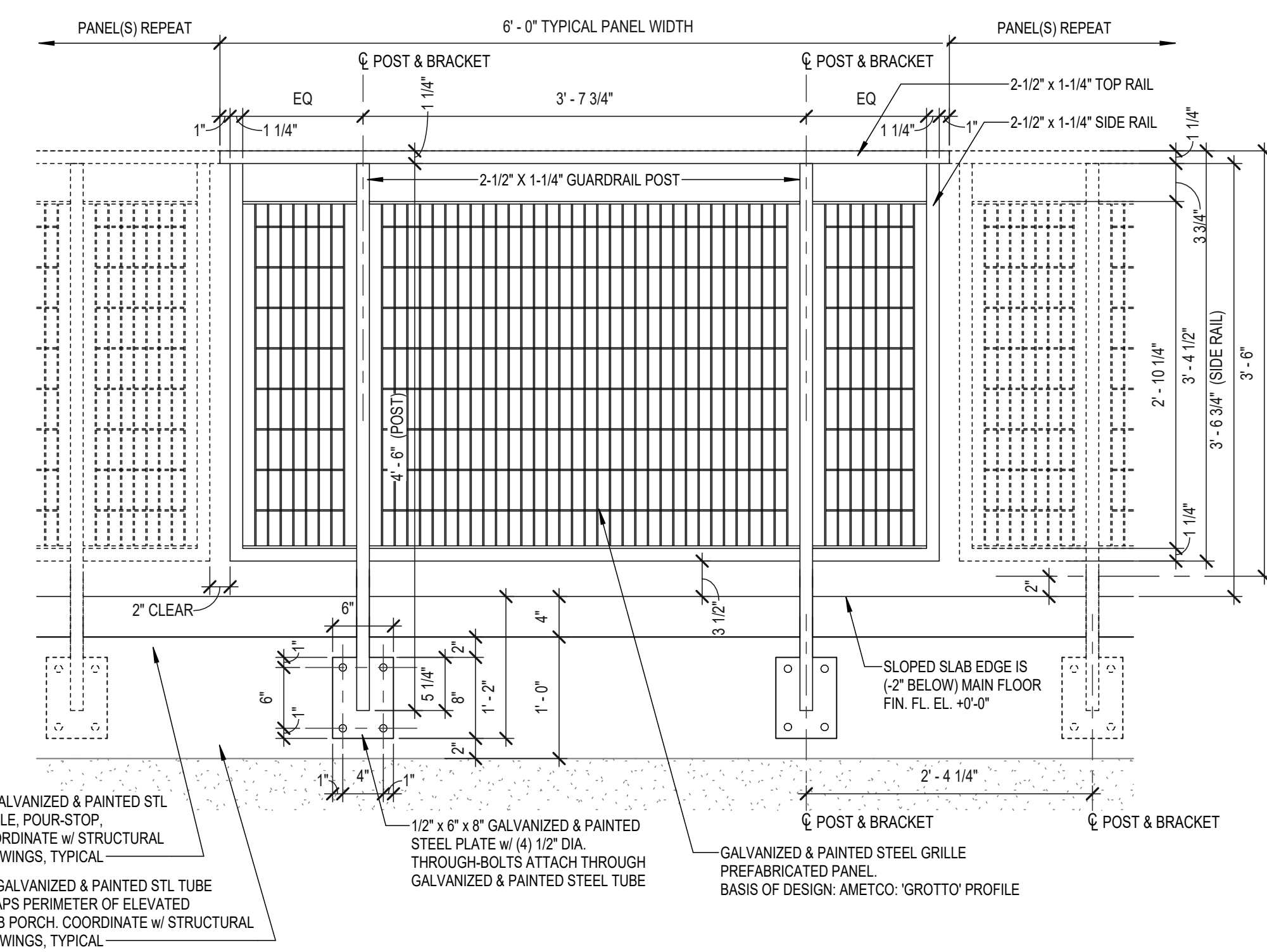
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06.12.2026

PROJECT PHASE:

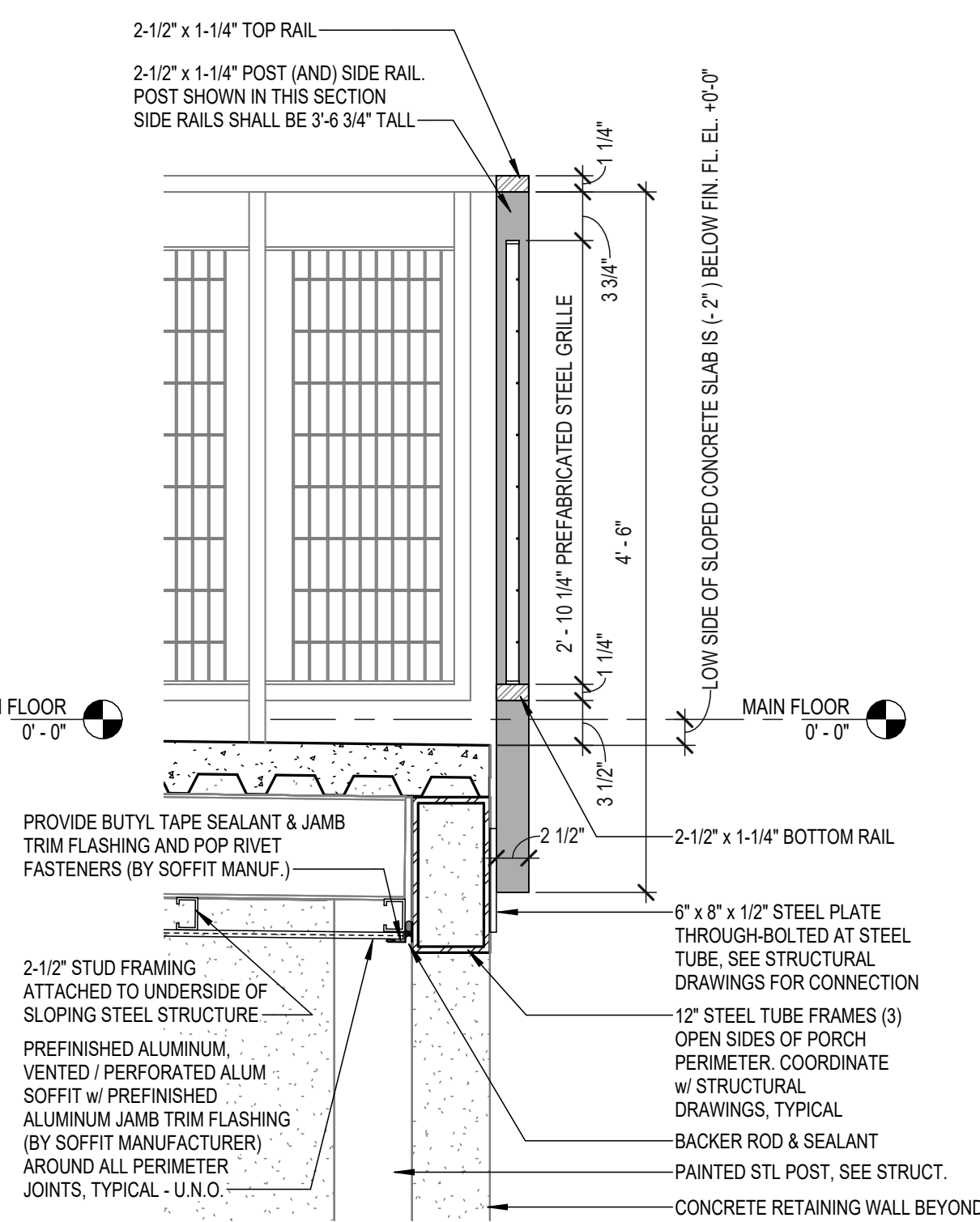
BID DOCUMENTS

SHEET REVISIONS:



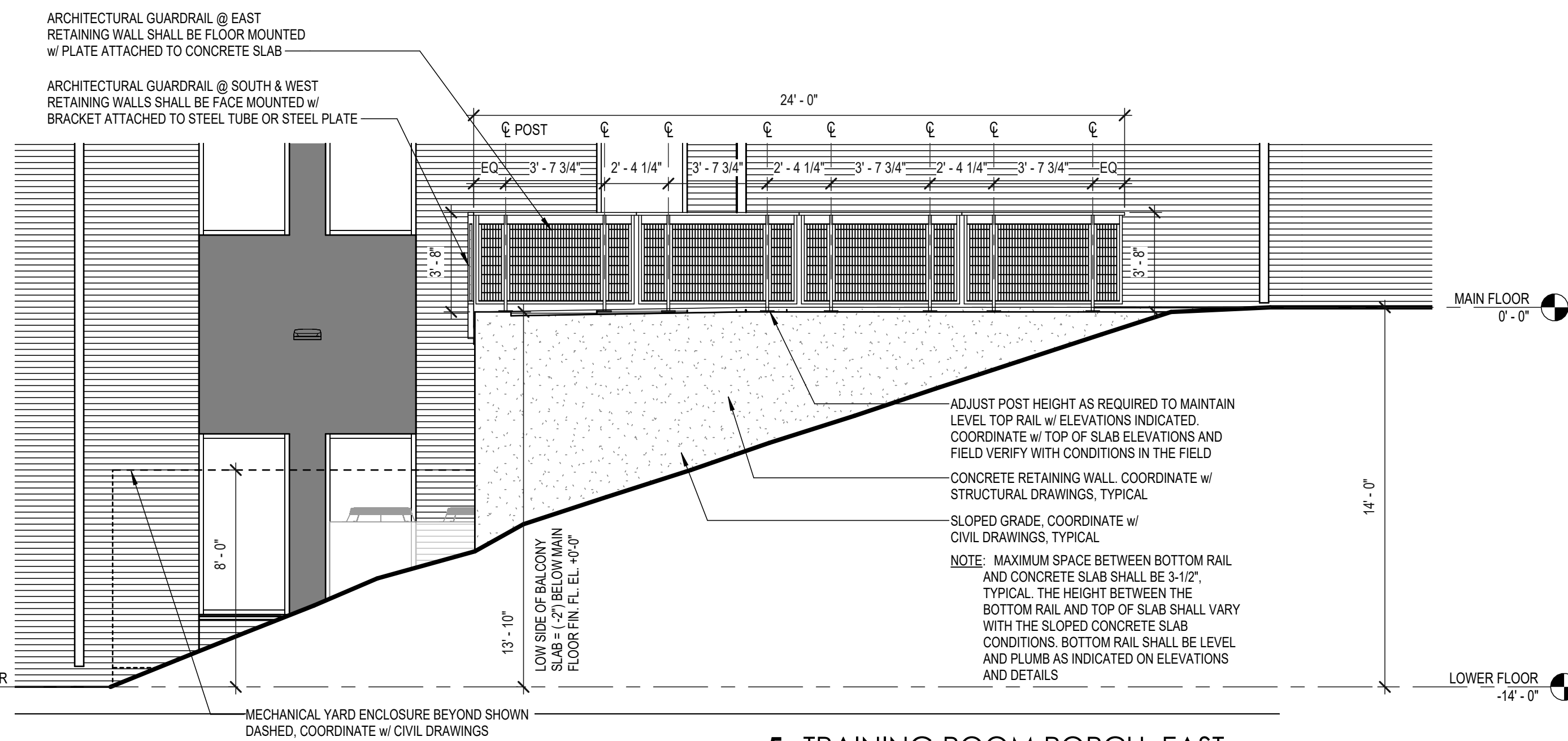
3 TYPICAL TRAINING ROOM PORCH GUARDRAIL PANEL

A211 SCALE: 1" = 1'-0"
REF: A211



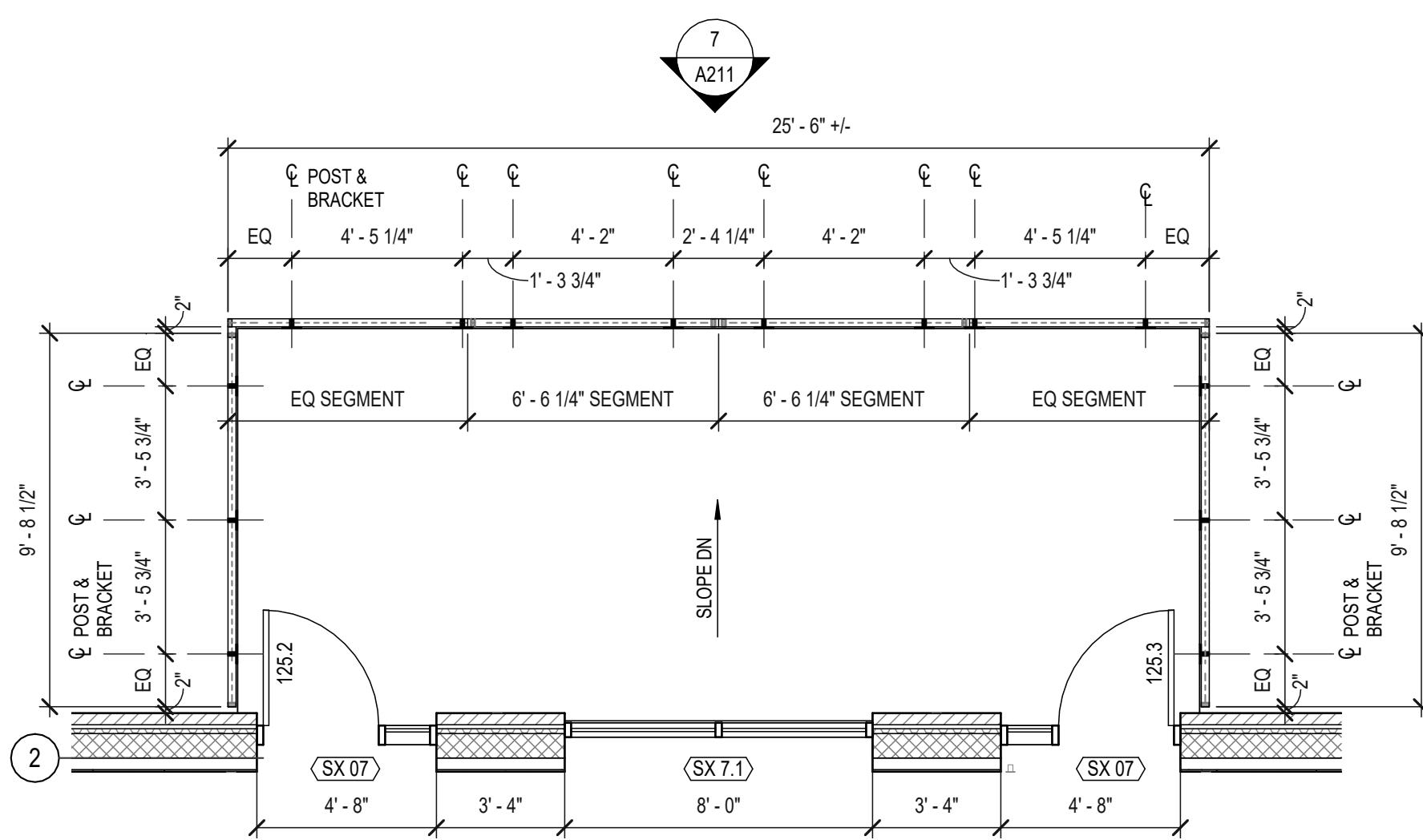
4 SECTION THROUGH GUARDRAIL

A211 SCALE: 1" = 1'-0"
REF: A313



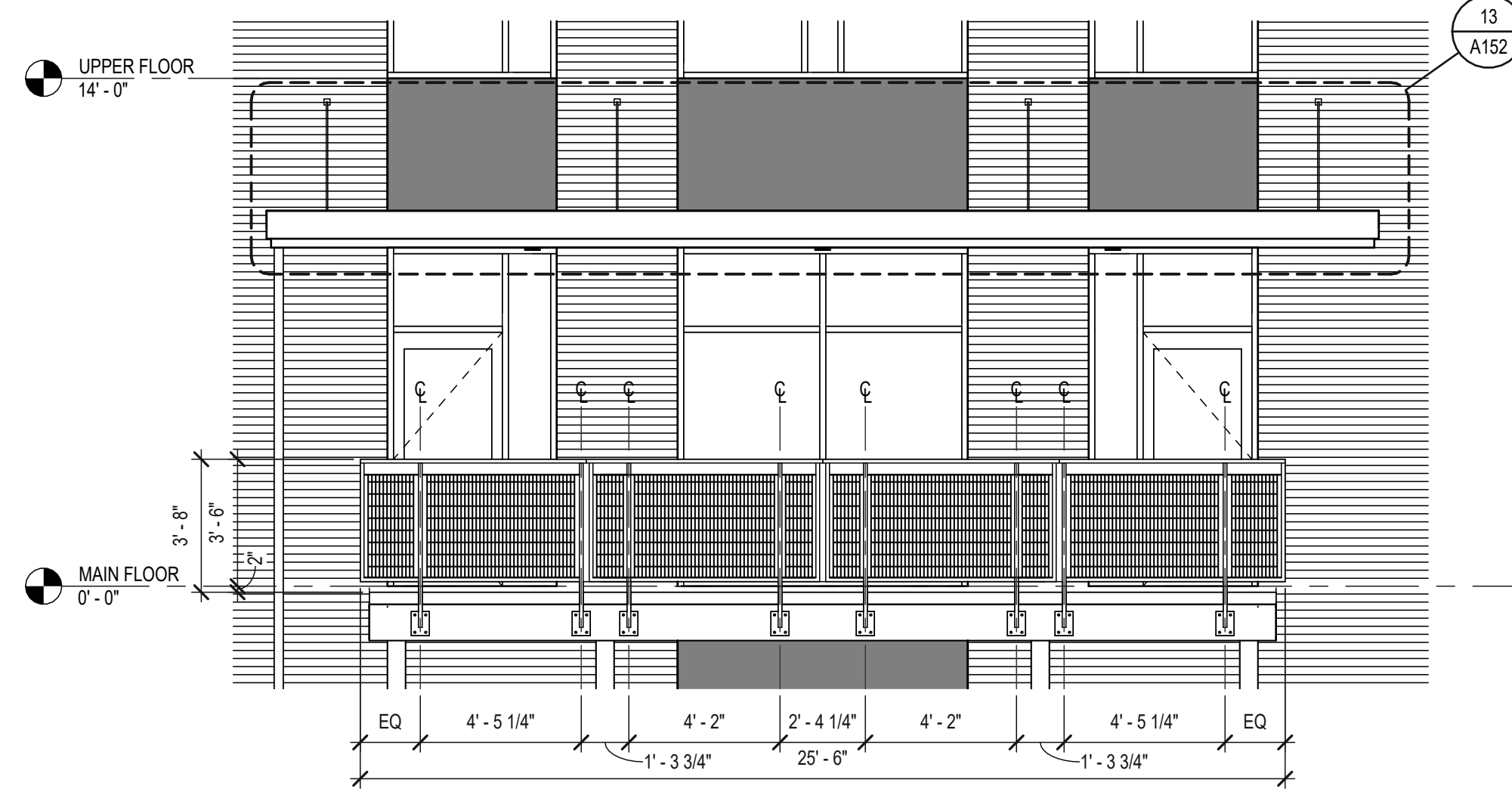
5 TRAINING ROOM PORCH: EAST

A211 SCALE: 1/4" = 1'-0"
REF: A202



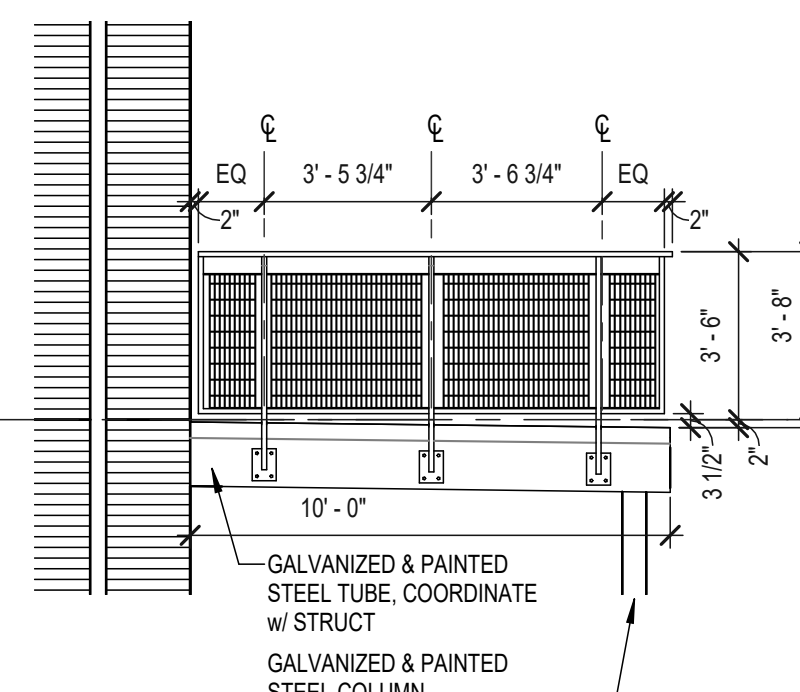
6 BREAK ROOM PORCH PLAN

A211 SCALE: 1/4" = 1'-0"
REF: A102



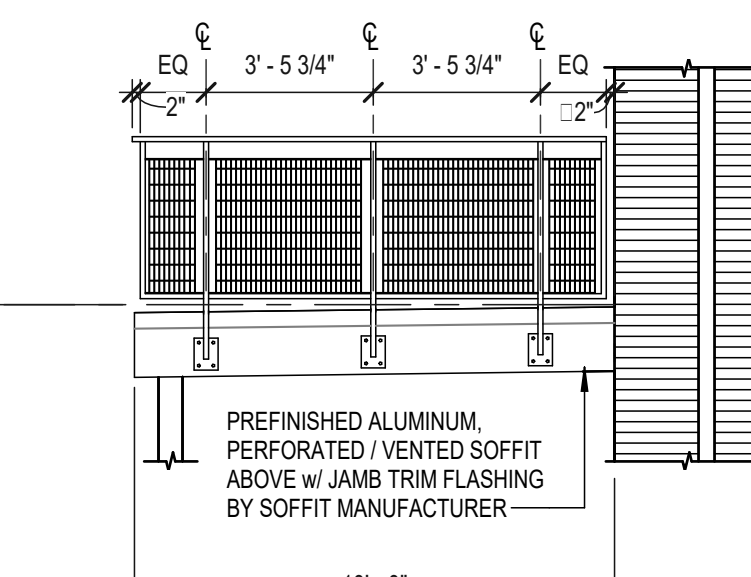
7 BREAK ROOM PORCH: SOUTH

A211 SCALE: 1/4" = 1'-0"
REF: A201



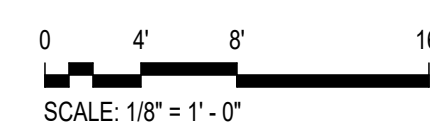
8 BREAK ROOM PORCH: WEST

A211 SCALE: 1/4" = 1'-0"
REF: A201



9 BREAK ROOM PORCH: EAST

A211 SCALE: 1/4" = 1'-0"
REF: A202

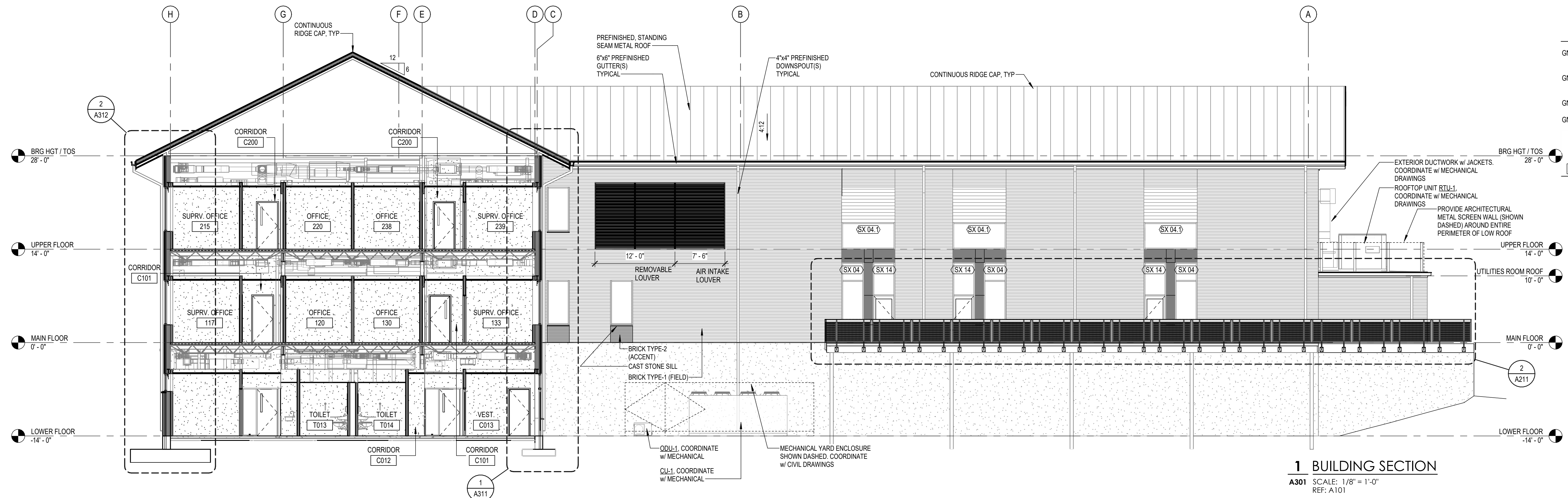


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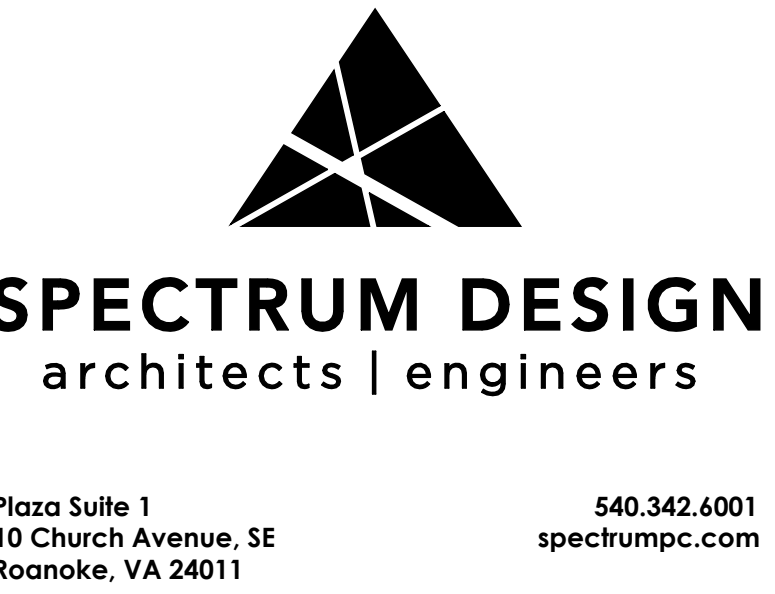
EXTERIOR DETAILS

SHEET NUMBER:

A211



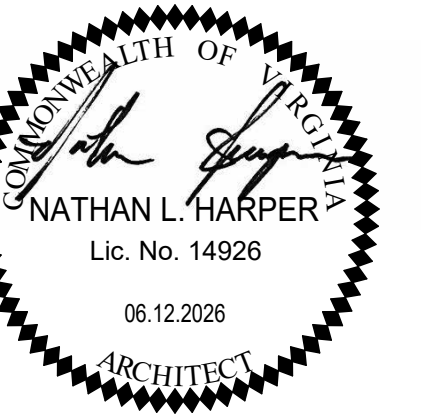
- WALL SECTION & DETAILS GENERAL NOTES**
- GN-1: FINISH GRADES, FOOTINGS, AND FOUNDATIONS ARE SHOWN FOR ILLUSTRATION ONLY - SEE CIVIL AND STRUCTURAL DRAWINGS.
- GN-2: SEE STRUCTURAL DRAWINGS FOR MASONRY REINFORCING, GROUTING, AND BOND BEAMS.
- GN-3: PROVIDE COLD FORMED METAL FRAMING KICKERS AS REQUIRED.
- GN-4: SEE ASSEMBLY SHEET FOR INTERIOR WALL AND PARTITION TYPES, EXTERIOR WALLS, AND ROOF TYPES.
- SHEET KEYNOTES**



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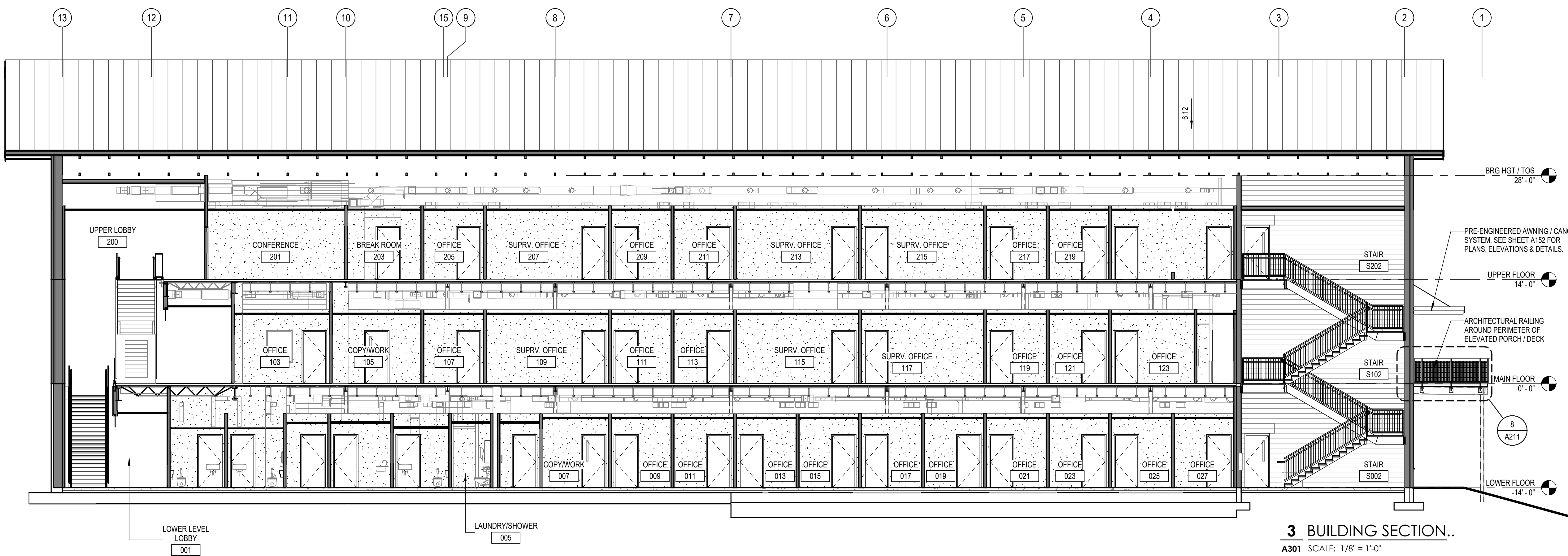
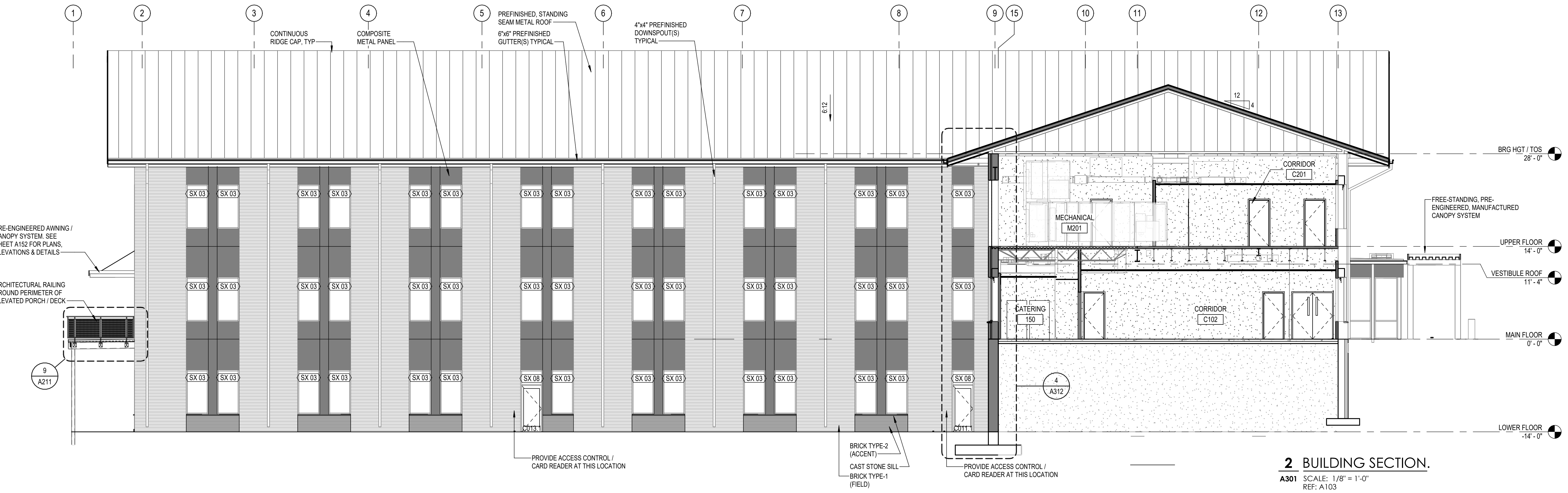


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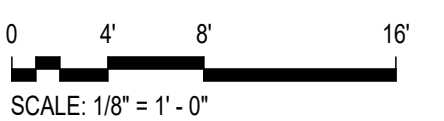
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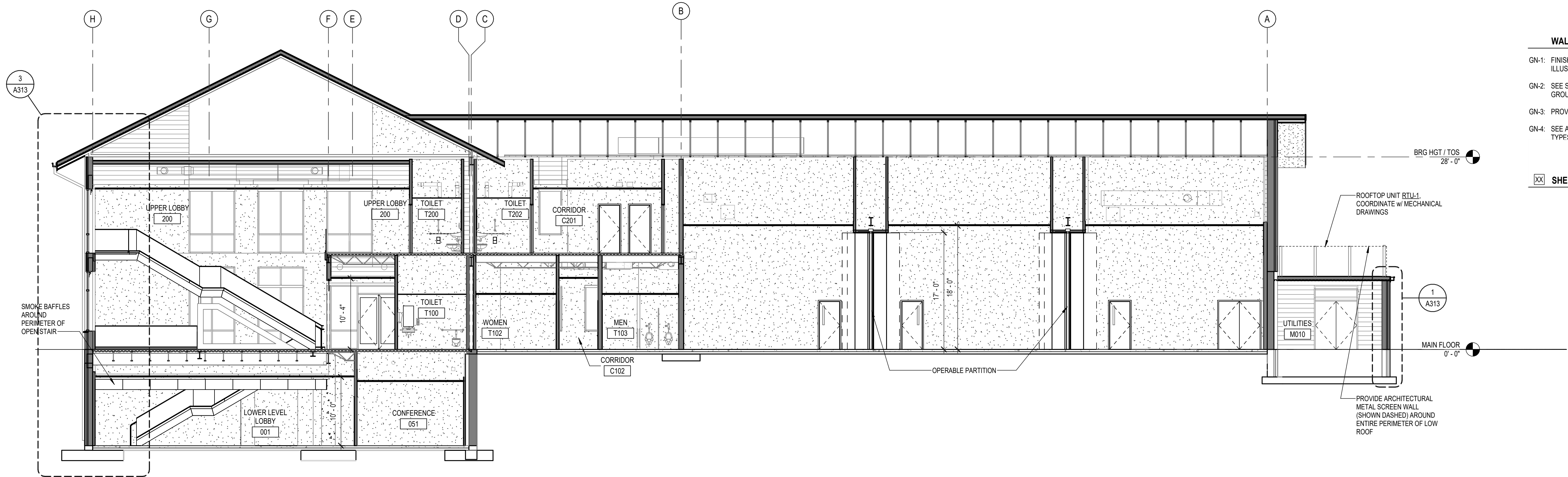


BUILDING SECTIONS

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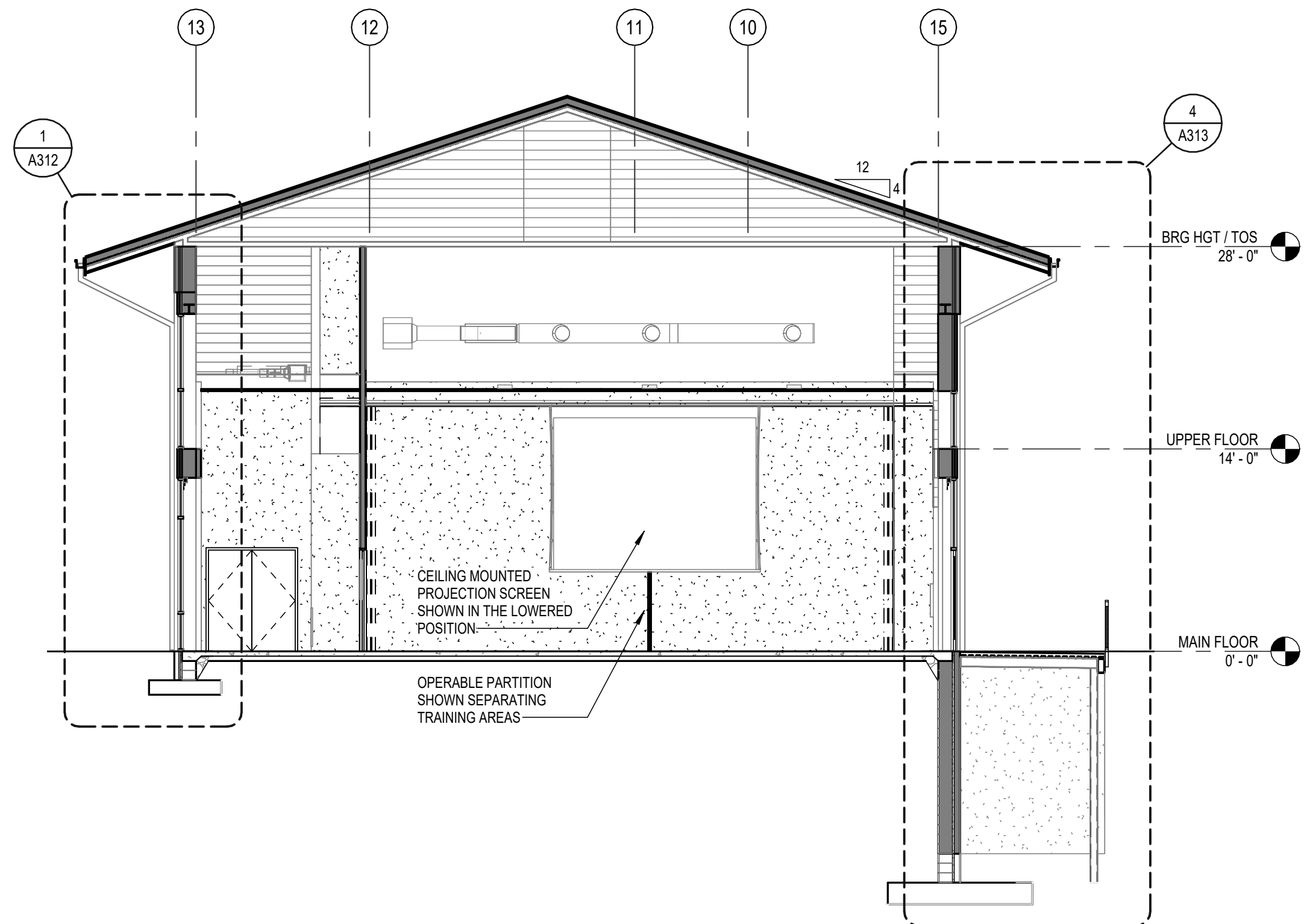
A301





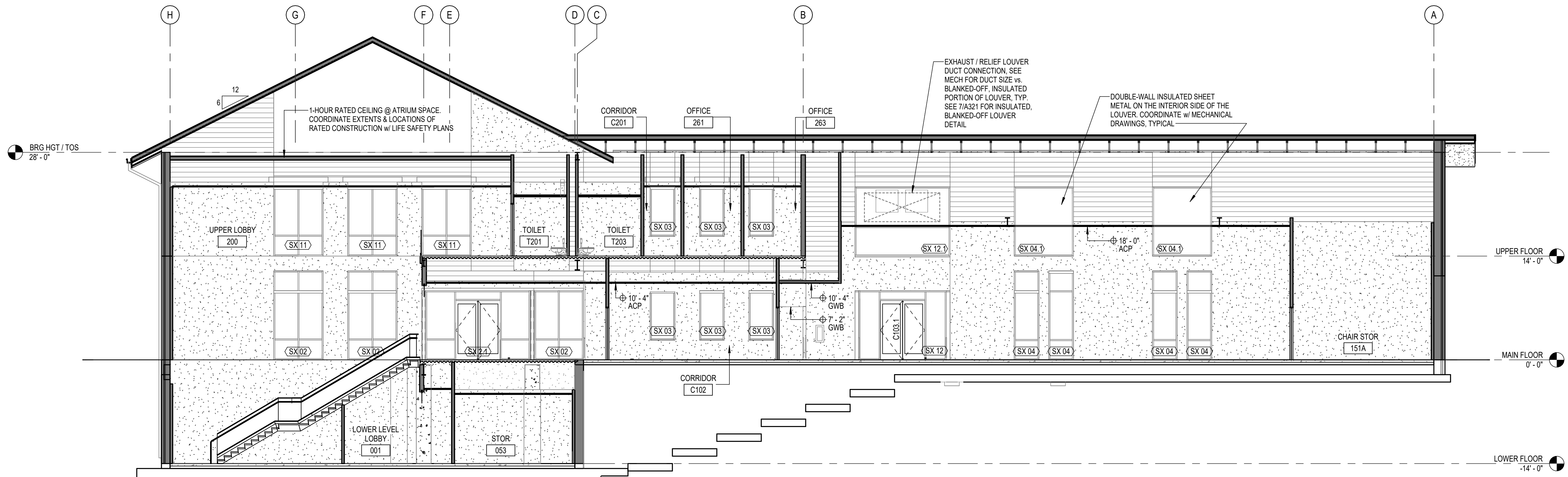
1 BUILDING SECTION .

A302 SCALE: 1/8" = 1'-0"
REF: A102



2 BUILDING SECTION .

A302 SCALE: 1/8" = 1'-0"
REF: A101



3 BUILDING SECTION..

A302 SCALE: 1/8" = 1'-0"
REF: A101

- WALL SECTION & DETAILS GENERAL NOTES**
- GN-1: FINISH GRADES, FOOTINGS, AND FOUNDATIONS ARE SHOWN FOR ILLUSTRATION ONLY - SEE CIVIL AND STRUCTURAL DRAWINGS.
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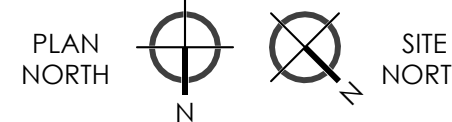
SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

SHEET REVISIONS:



SHEET NAME:

BUILDING SECTIONS

SHEET NUMBER:

A302

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

A311 SCALE: 1/2" = 1'-0"
REF: A102

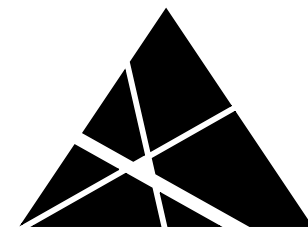
A311 SCALE: 1/2" = 1'-0"
REF: A102

A311 SCALE: 1/2" = 1'-0"
REF: A301

WALL SECTION & DETAILS GENERAL NOTES

- GN-1: FINISH GRADES, FOOTINGS, AND FOUNDATIONS ARE SHOWN FOR ILLUSTRATION ONLY - SEE CIVIL AND STRUCTURAL DRAWINGS.
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PROJECT PHASE:
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SHEET REVISIONS:

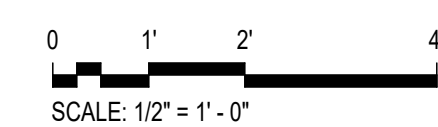


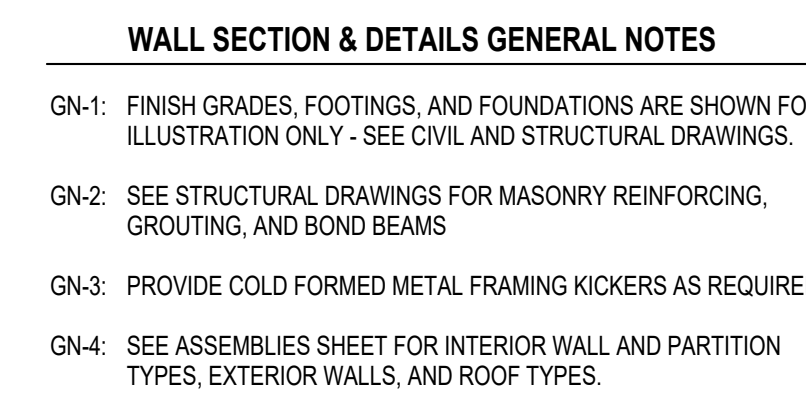
SHEET NAME:

WALL SECTIONS

SHEET NUMBER:

A311





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SHEET REVISIONS:

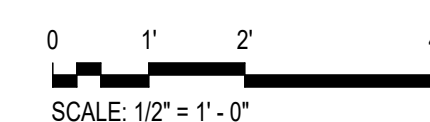


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WALL SECTIONS

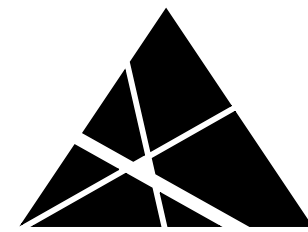
SHEET NUMBER:

A312



WALL SECTION & DETAILS GENERAL NOTES

- GN-1: FINISH GRADES, FOOTINGS, AND FOUNDATIONS ARE SHOWN FOR ILLUSTRATION ONLY - SEE CIVIL AND STRUCTURAL DRAWINGS.
- GN-2: SEE STRUCTURAL DRAWINGS FOR MASONRY REINFORCING, GROUTING, AND BOND BEAMS
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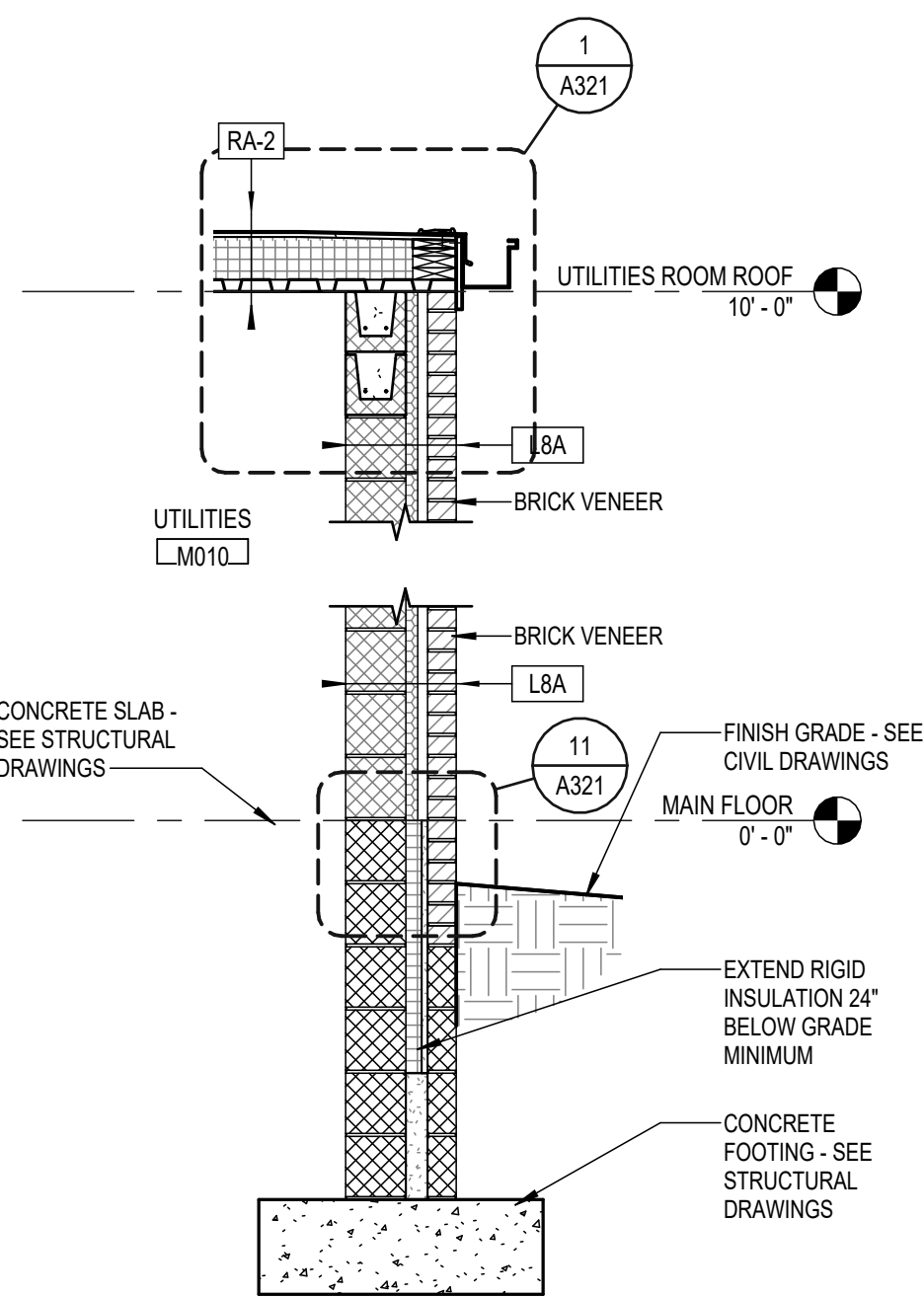
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WALL SECTIONS

SHEET NUMBER:

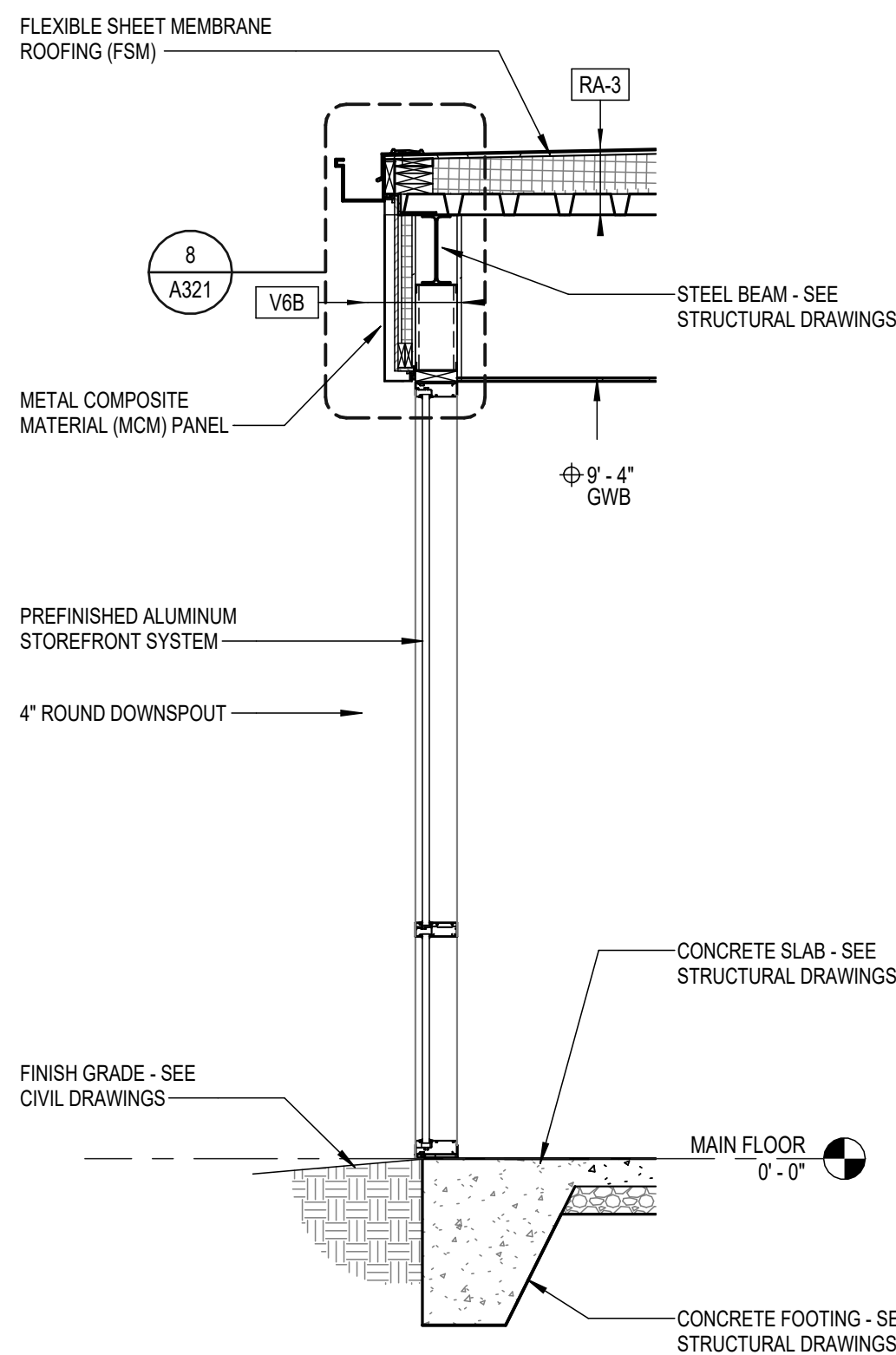
A313

0 1' 2' 4'
SCALE: 1/2" = 1'-0"



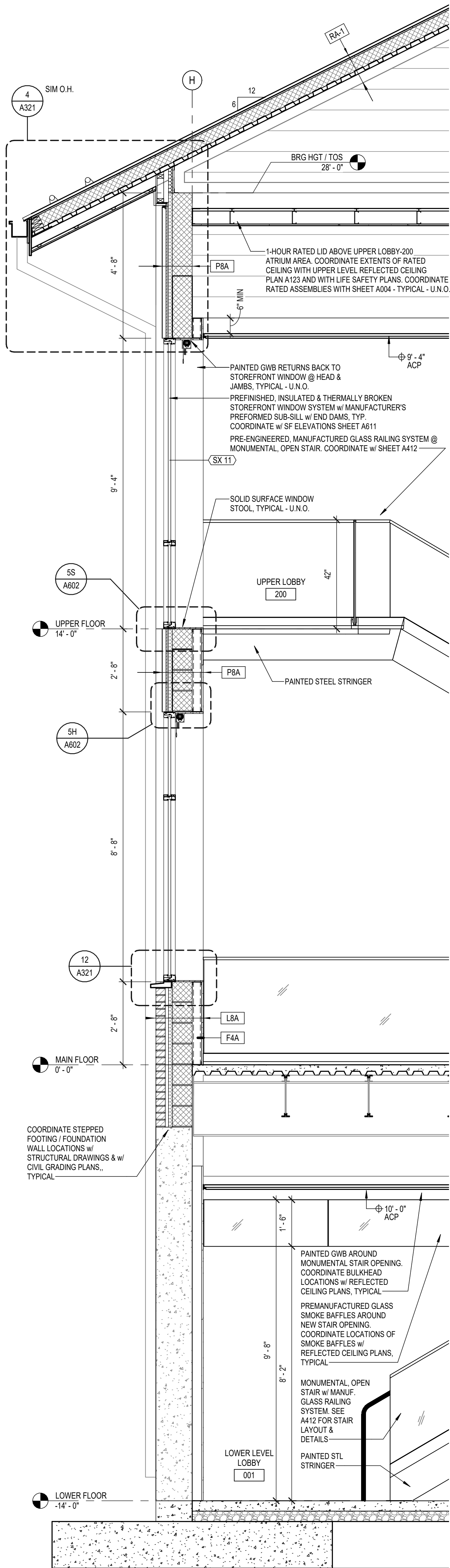
1 WALL SECTION

A313 SCALE: 1/2" = 1'-0"
REF: A151



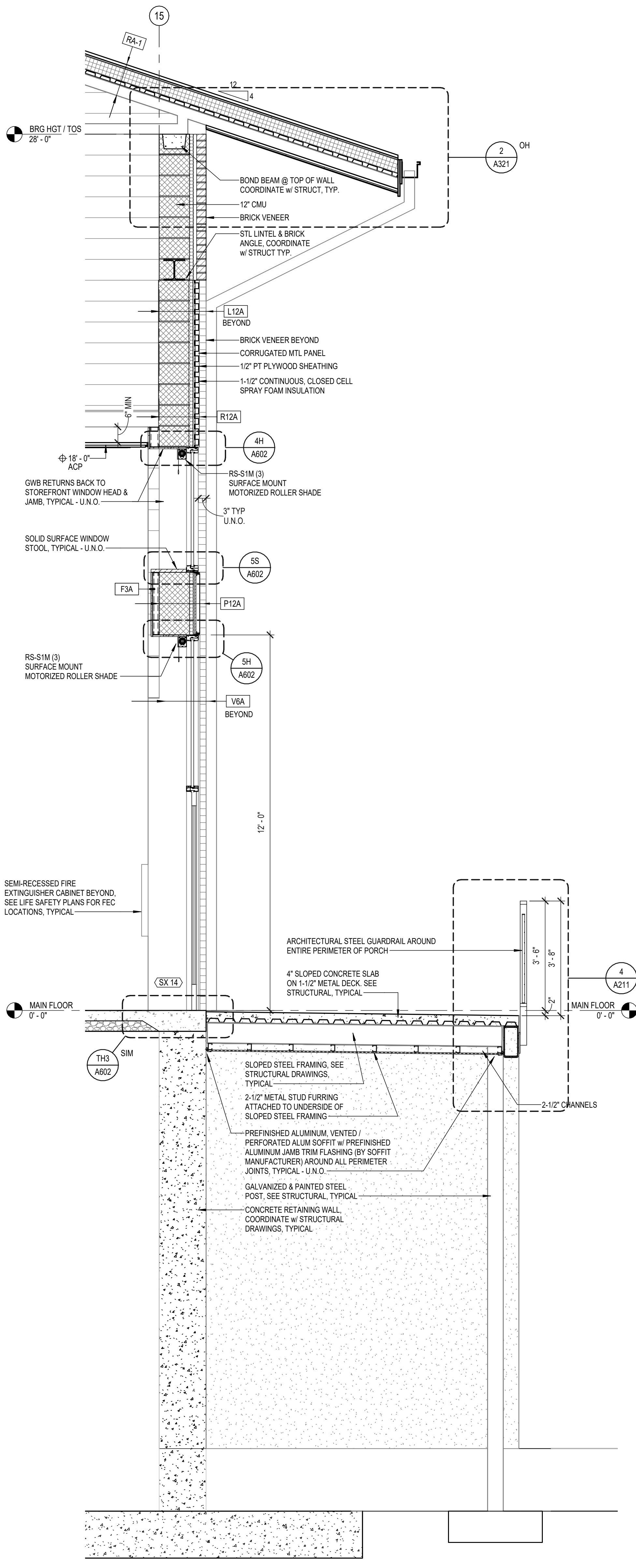
2 VESTIBULE SECTION

A313 SCALE: 1/2" = 1'-0"
REF: A102



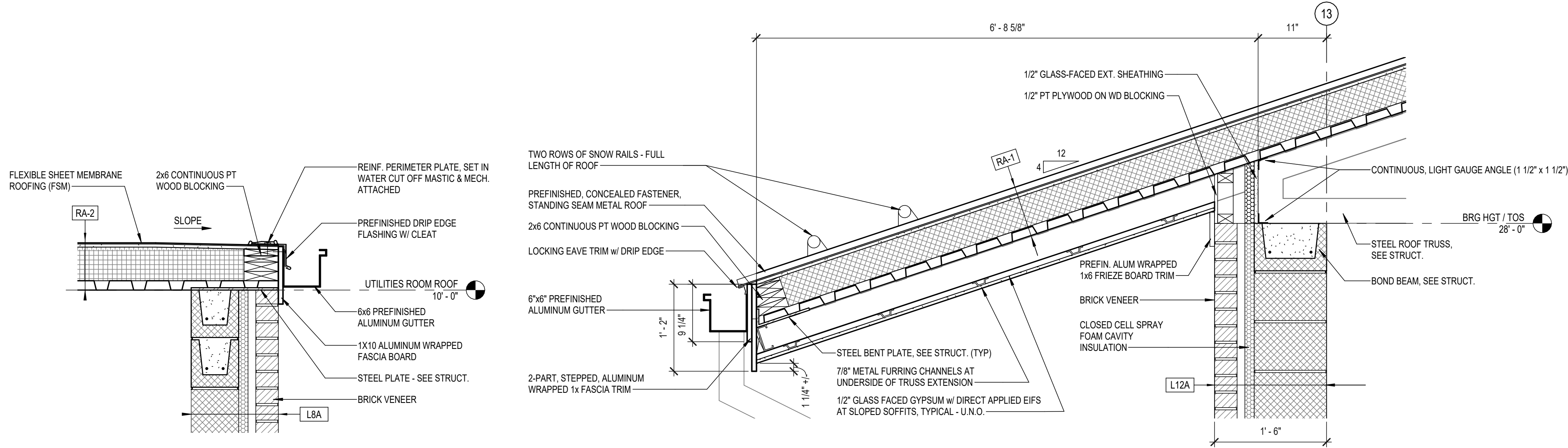
3 WALL SECTION THROUGH WEST WALL OF LOBBY

A313 SCALE: 1/2" = 1'-0"
REF: A302



4 WALL SECTION @ SOUTH WALL OF TRAINING ROOM

A313 SCALE: 1/2" = 1'-0"
REF: A302

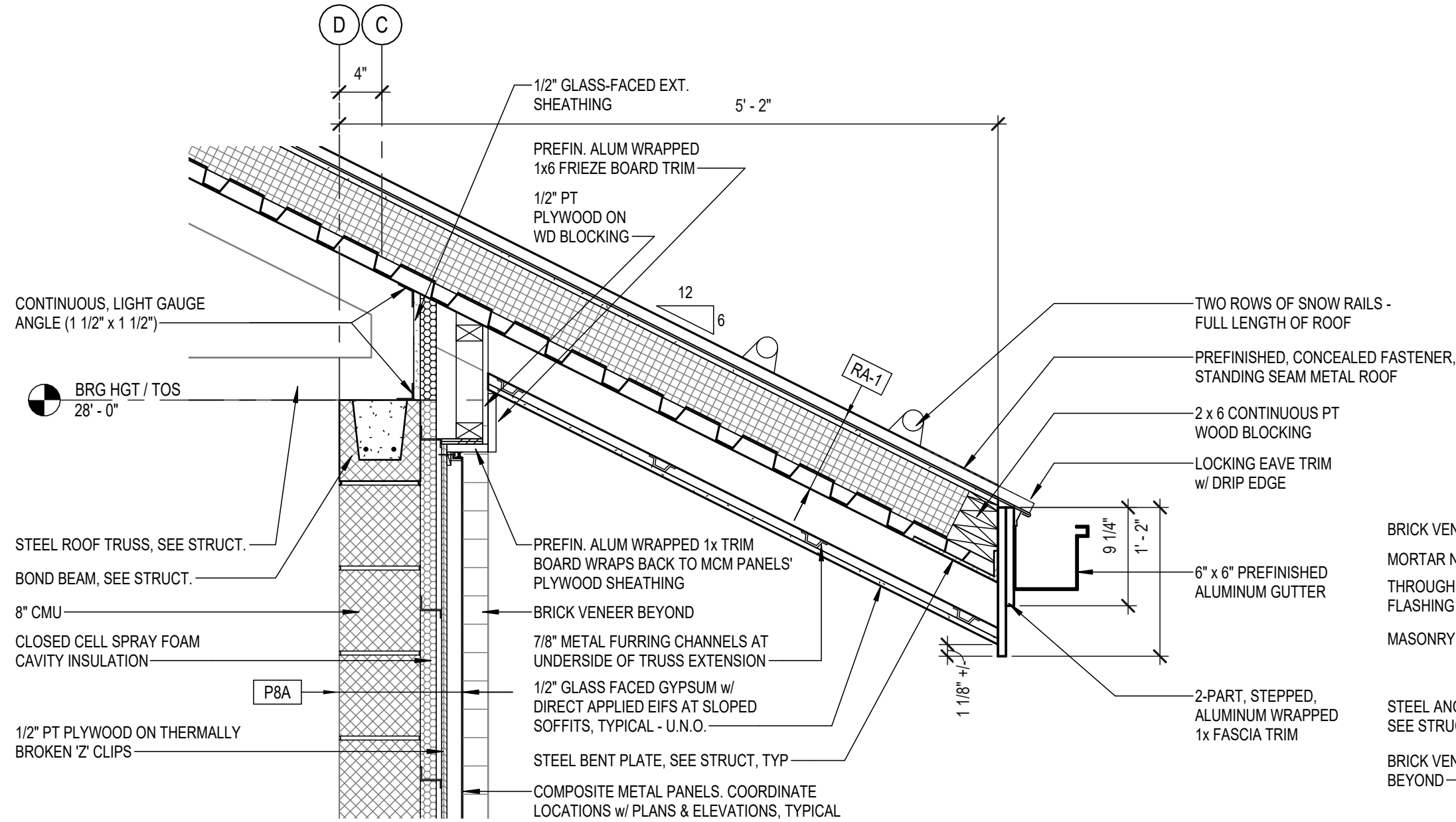


1 ROOF - WALL DETAIL

A321 SCALE: 1" = 1'-0"
REF: A313

2 ROOF - WALL TRANSITION @ BRICK, TYP

A321 SCALE: 1" = 1'-0"
REF: A311

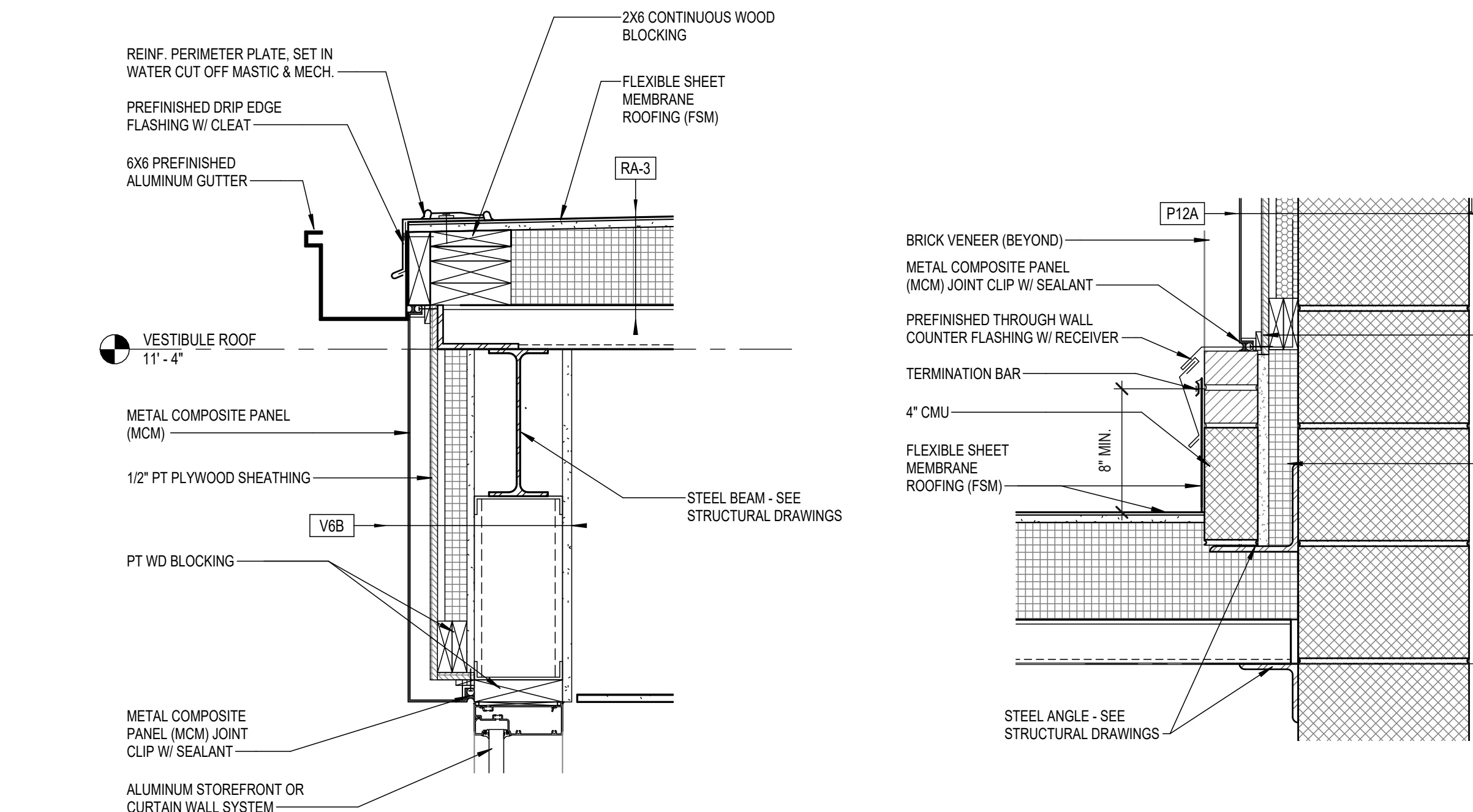


4 ROOF - WALL TRANSITION @ ALUMINUM COMPOSITE PANELS

A321 SCALE: 1" = 1'-0"
REF: A311

5 WALL DETAIL

A321 SCALE: 1 1/2" = 1'-0"
REF: A311

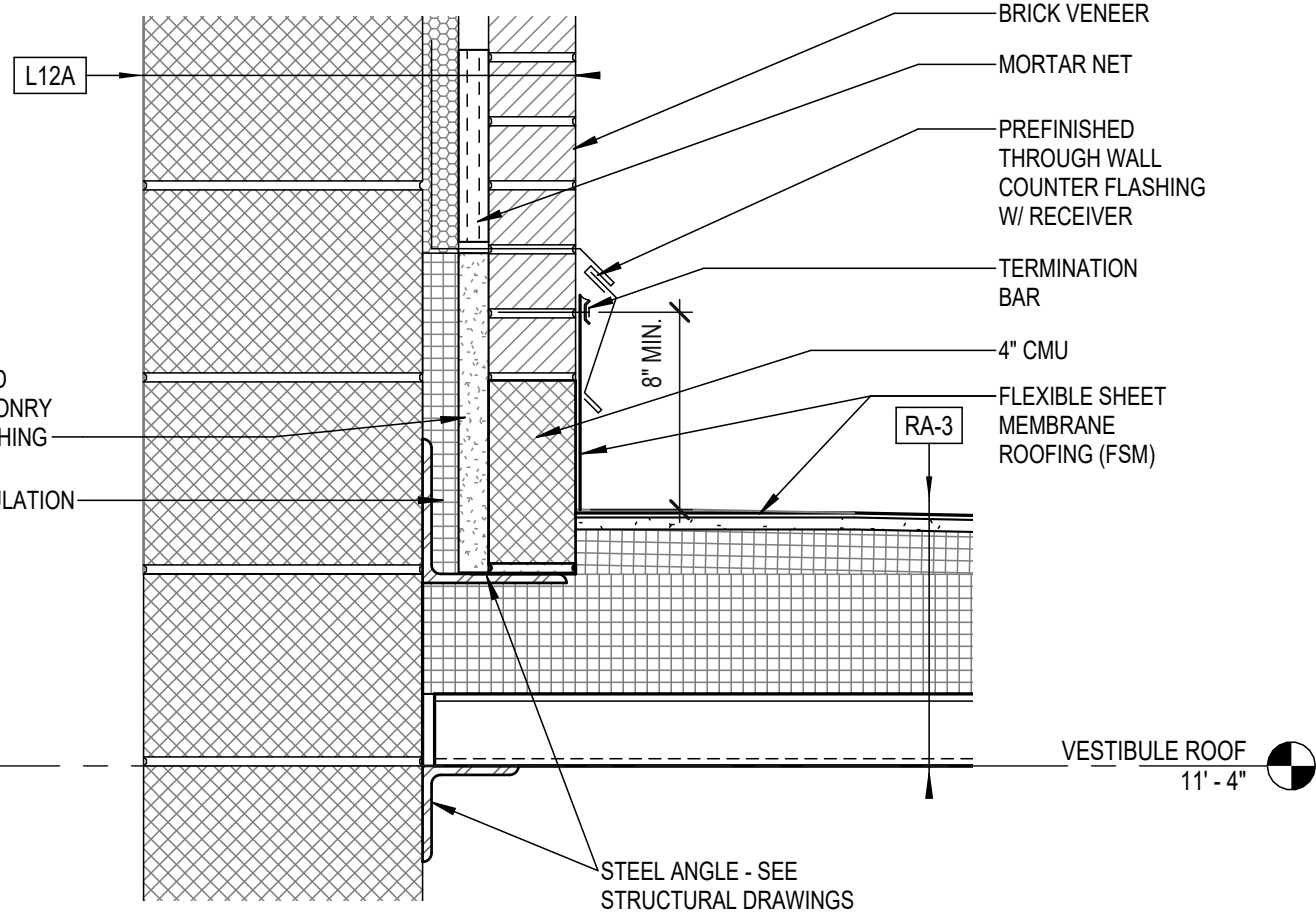


8 VESTIBULE ROOF - EDGE

A321 SCALE: 1 1/2" = 1'-0"
REF: A311

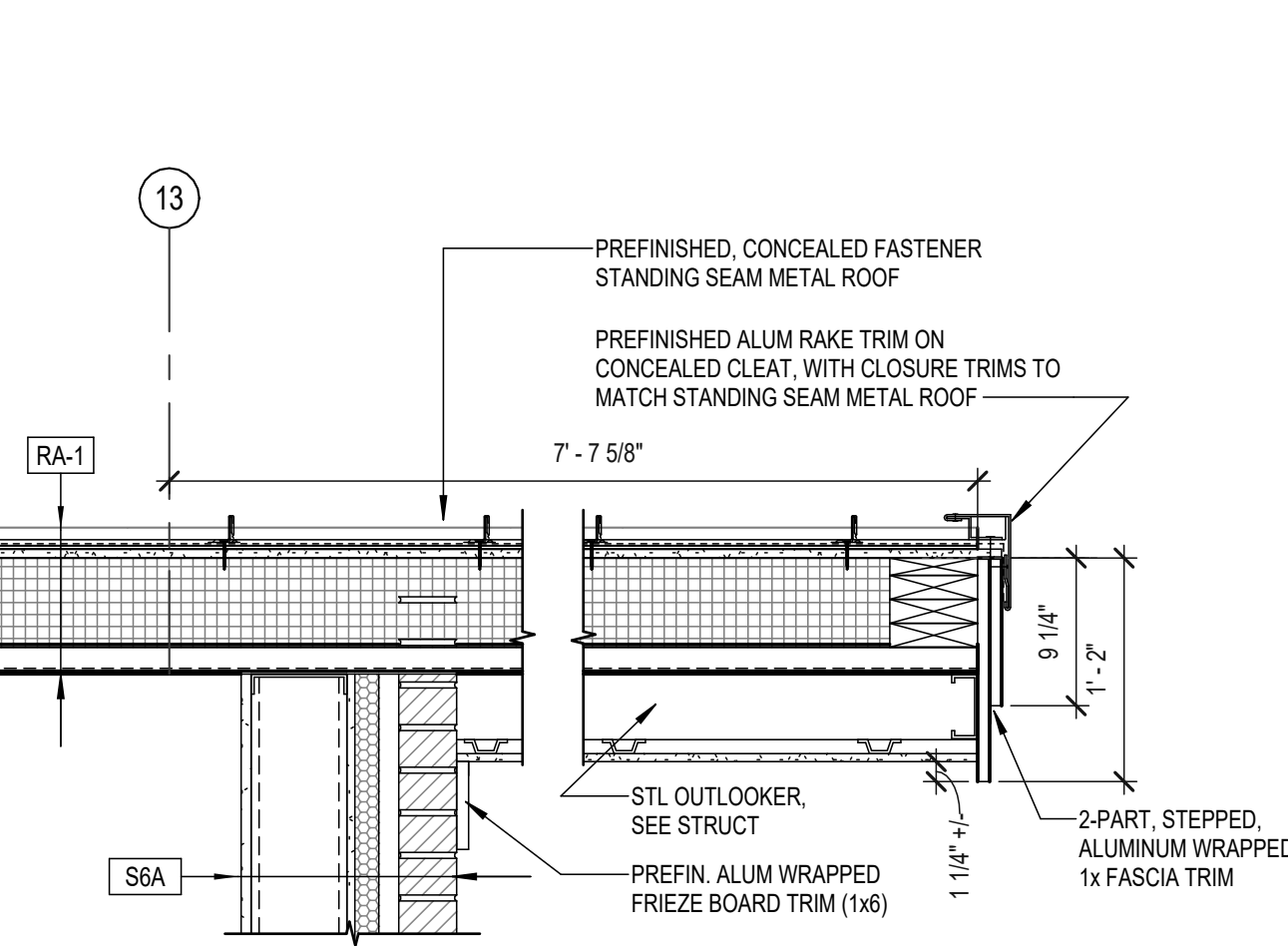
9 VESTIBULE ROOF - MCM

A321 SCALE: 1 1/2" = 1'-0"
REF: A311



10 VESTIBULE ROOF - BRICK

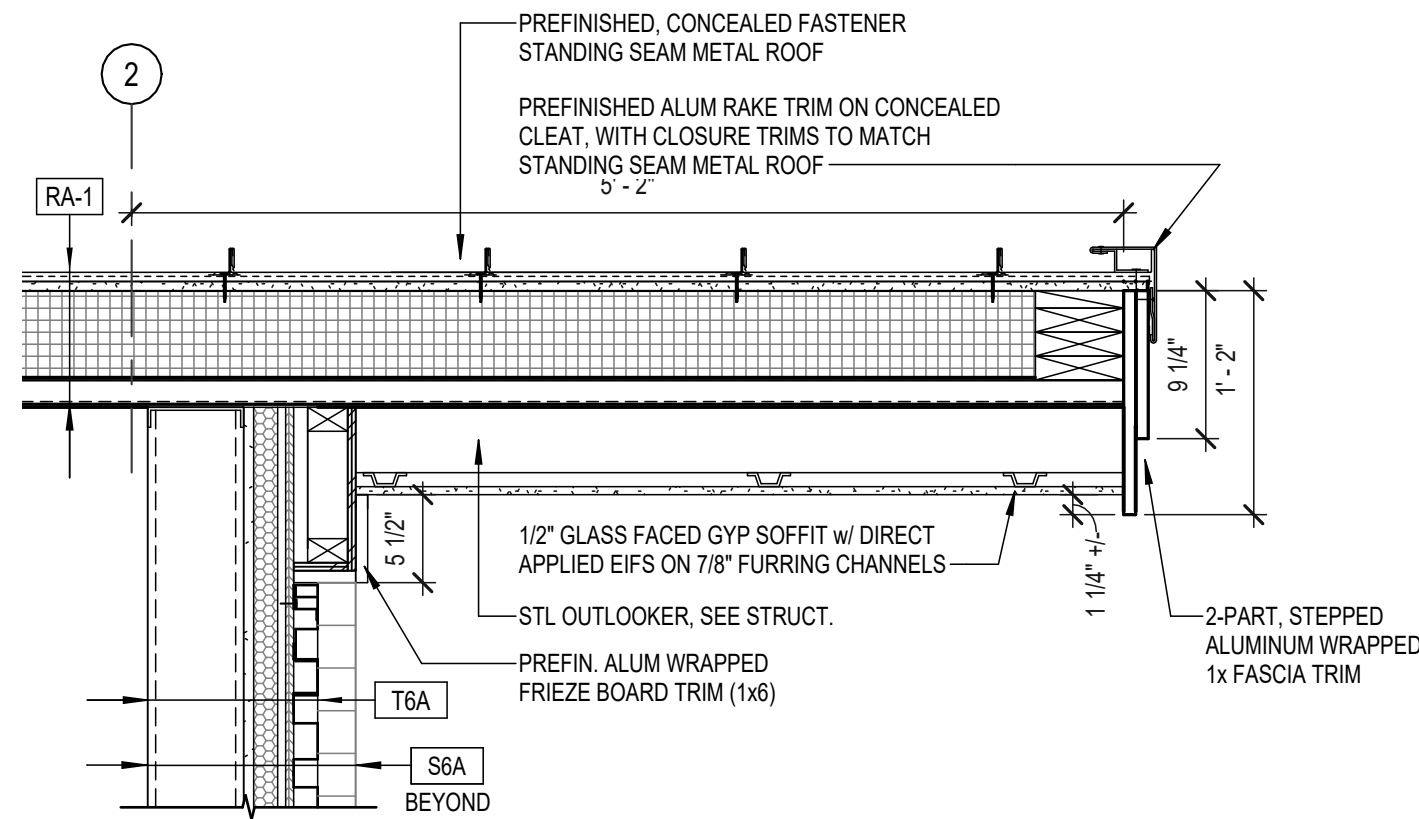
A321 SCALE: 1 1/2" = 1'-0"
REF: A311



3 GABLE END RAKE TRIM DETAIL @ BRICK

A321 SCALE: 1" = 1'-0"
REF: A311

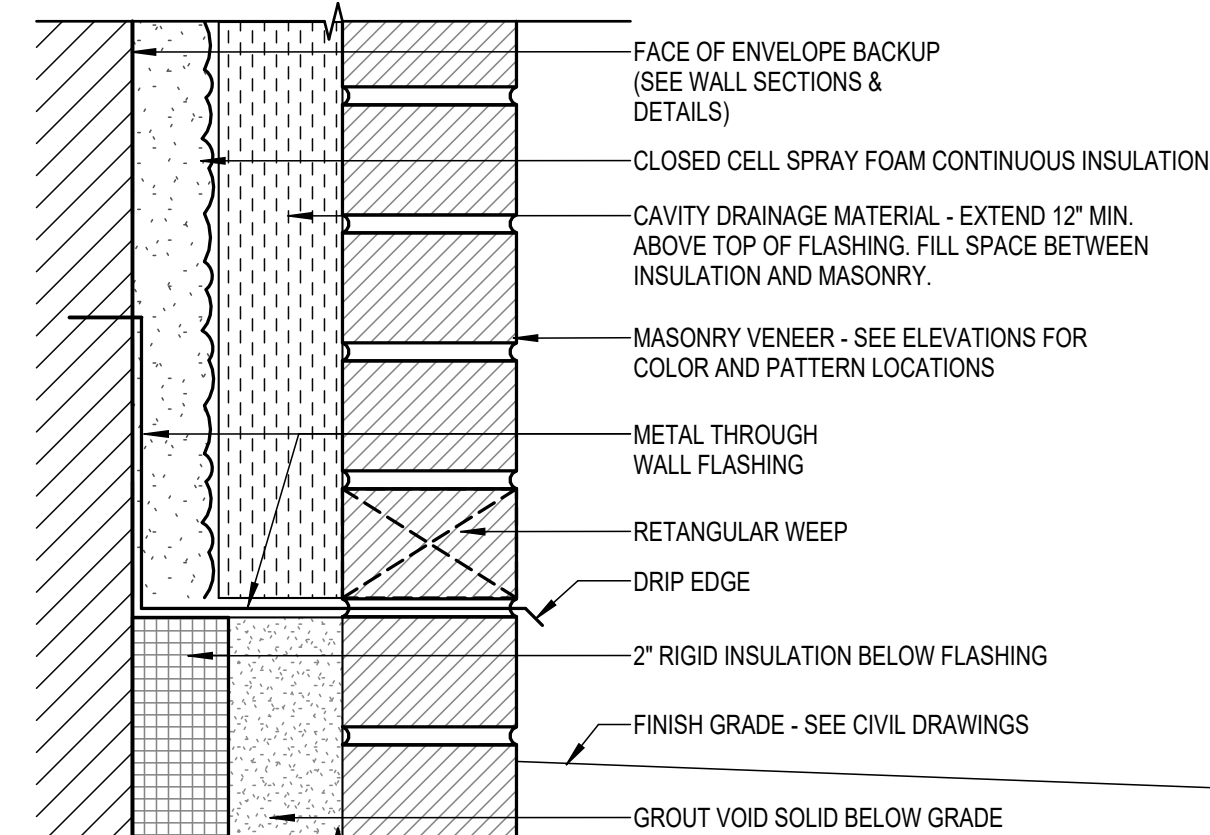
NOTE: GABLE END RAKE TRIM & SOFFIT FASCIA SHALL ALIGN HORIZONTALLY AND VERTICALLY AROUND ENTIRE ROOF PERIMETER.



7 GABLE END RAKE TRIM DETAIL @ CORRUGATED METAL PANEL

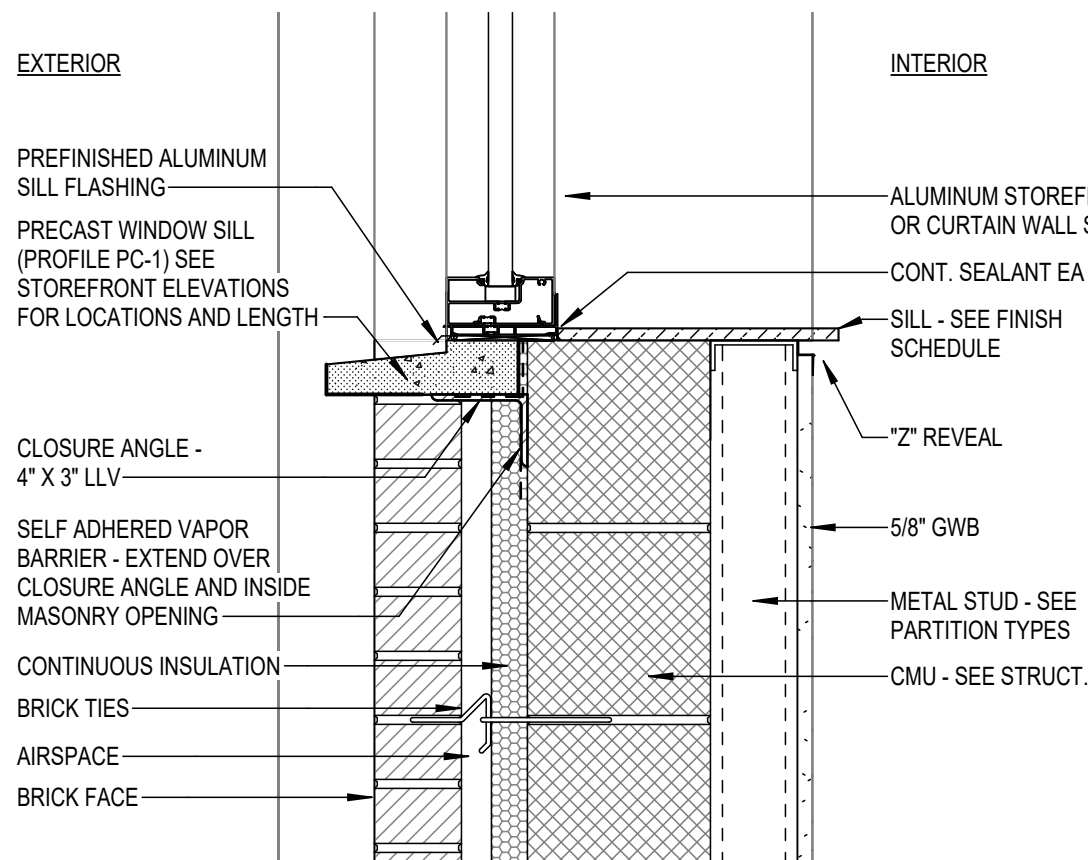
A321 SCALE: 1" = 1'-0"
REF: A312

NOTE: GABLE END RAKE TRIM & SOFFIT FASCIA SHALL ALIGN HORIZONTALLY AND VERTICALLY AROUND ENTIRE ROOF PERIMETER.



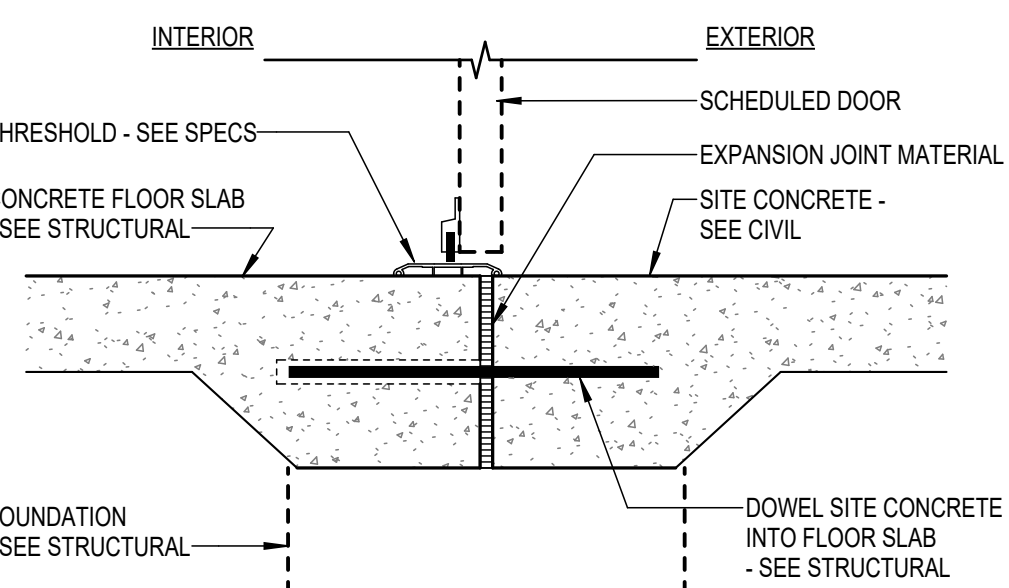
11 TYP. MASONRY WALL FLASHING

A321 SCALE: 3" = 1'-0"
REF: A313



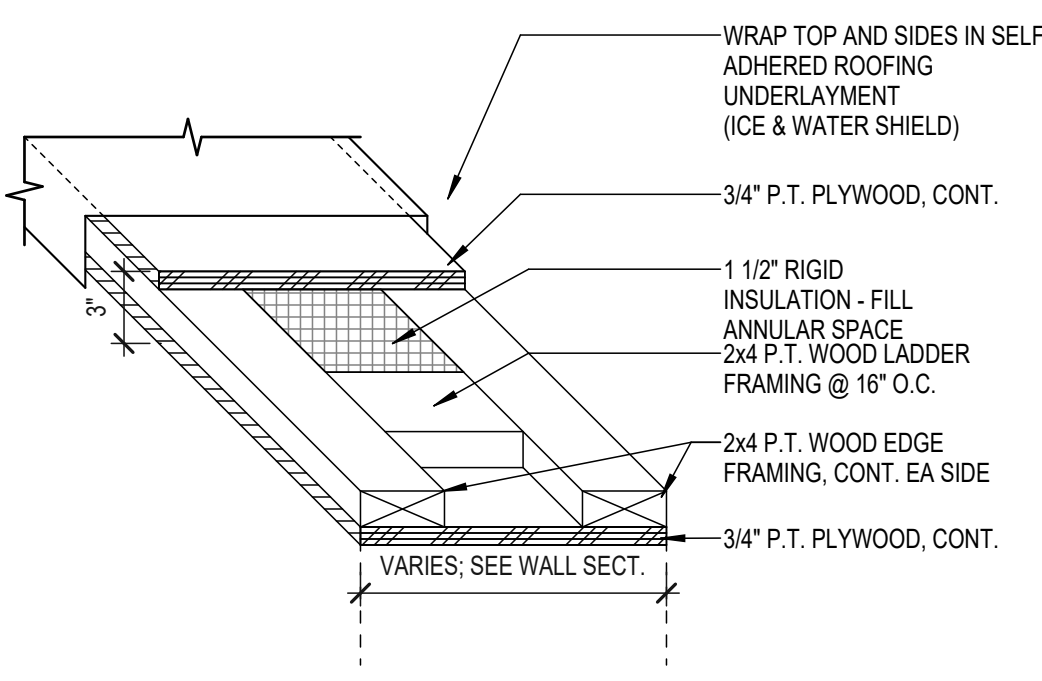
12 SF @ BRICK/CMU W/ STONE SILL

A321 SCALE: 1 1/2" = 1'-0"
REF: A312



13 TYP. DOOR OPENING

A321 SCALE: 1 1/2" = 1'-0"
REF: A311



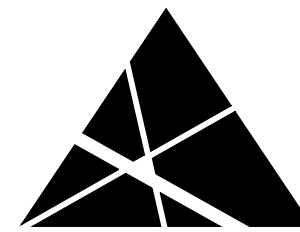
14 DETAIL - PARAPET CAP WOOD BLOCKING

A321 SCALE: 1 1/2" = 1'-0"

WALL SECTION & DETAILS GENERAL NOTES

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SHEET KEYNOTES



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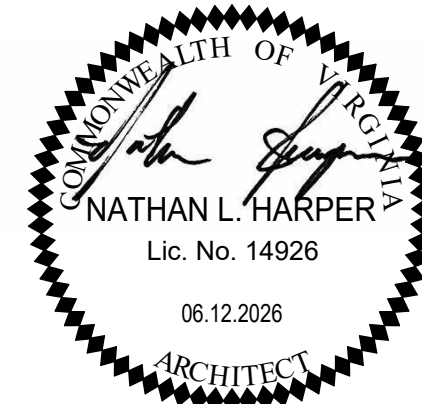
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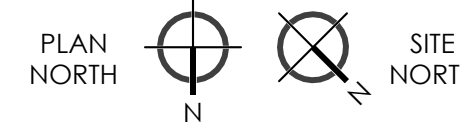
PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:



SHEET NAME:

WALL DETAILS

SHEET NUMBER:

A321

0 0.5' 1' 2'
SCALE: 1 1/2" = 1'-0"

VERTICAL CIRCULATION GENERAL NOTES

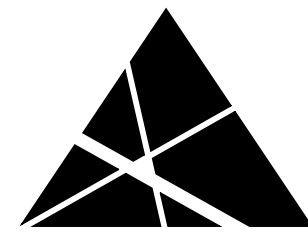
GN-1: FINISH GRADES, FOOTINGS, AND FOUNDATIONS ARE SHOWN FOR ILLUSTRATION ONLY - SEE CIVIL AND STRUCTURAL DRAWINGS.

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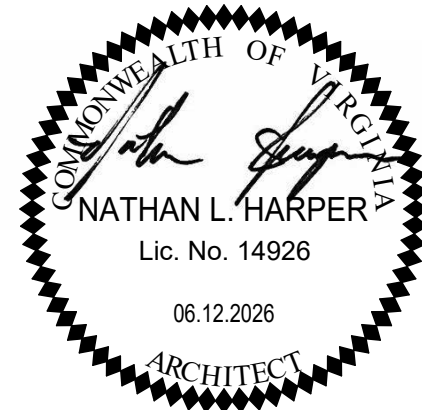
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JM NLH MCA, TLR, LAC

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SHEET NAME:

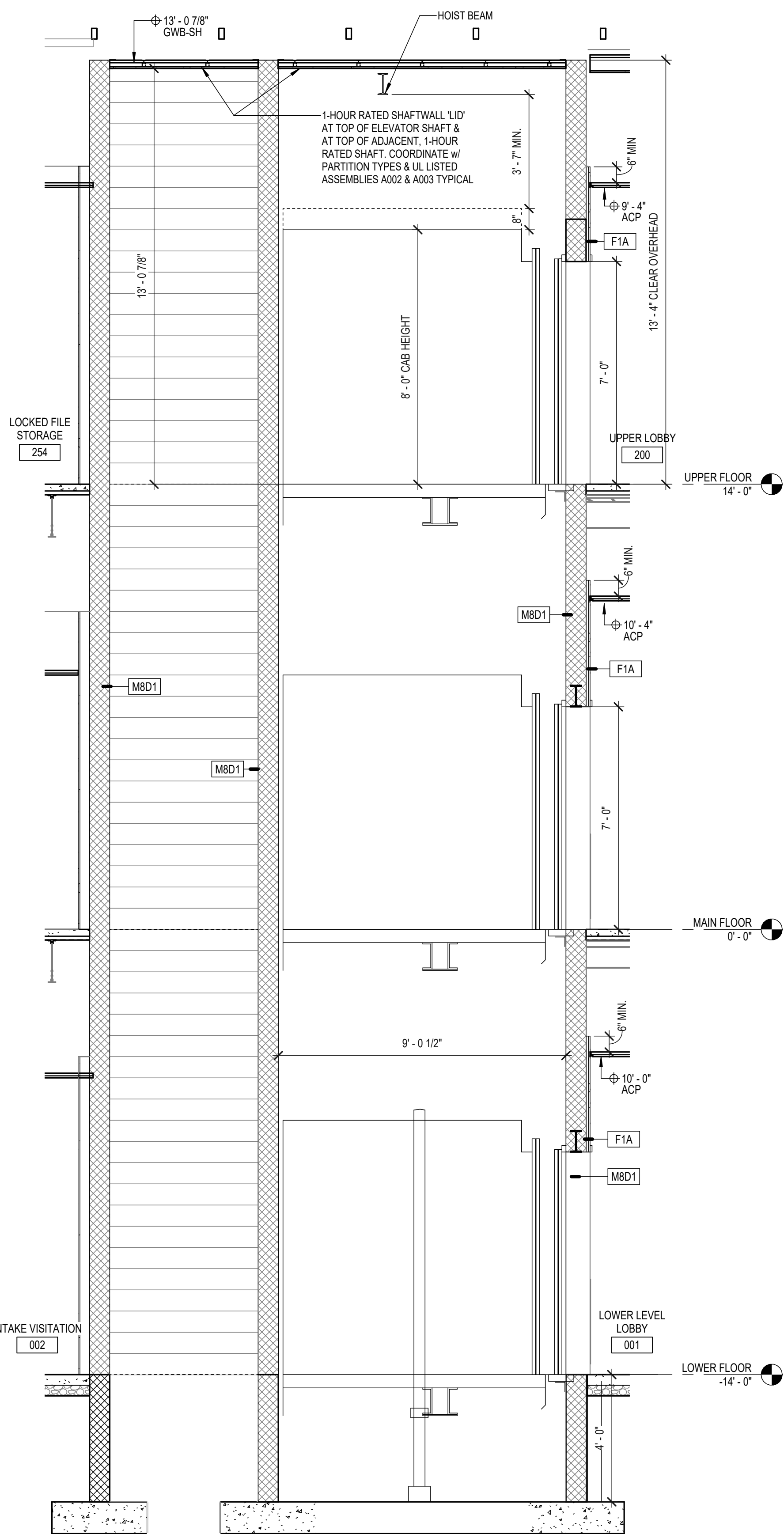
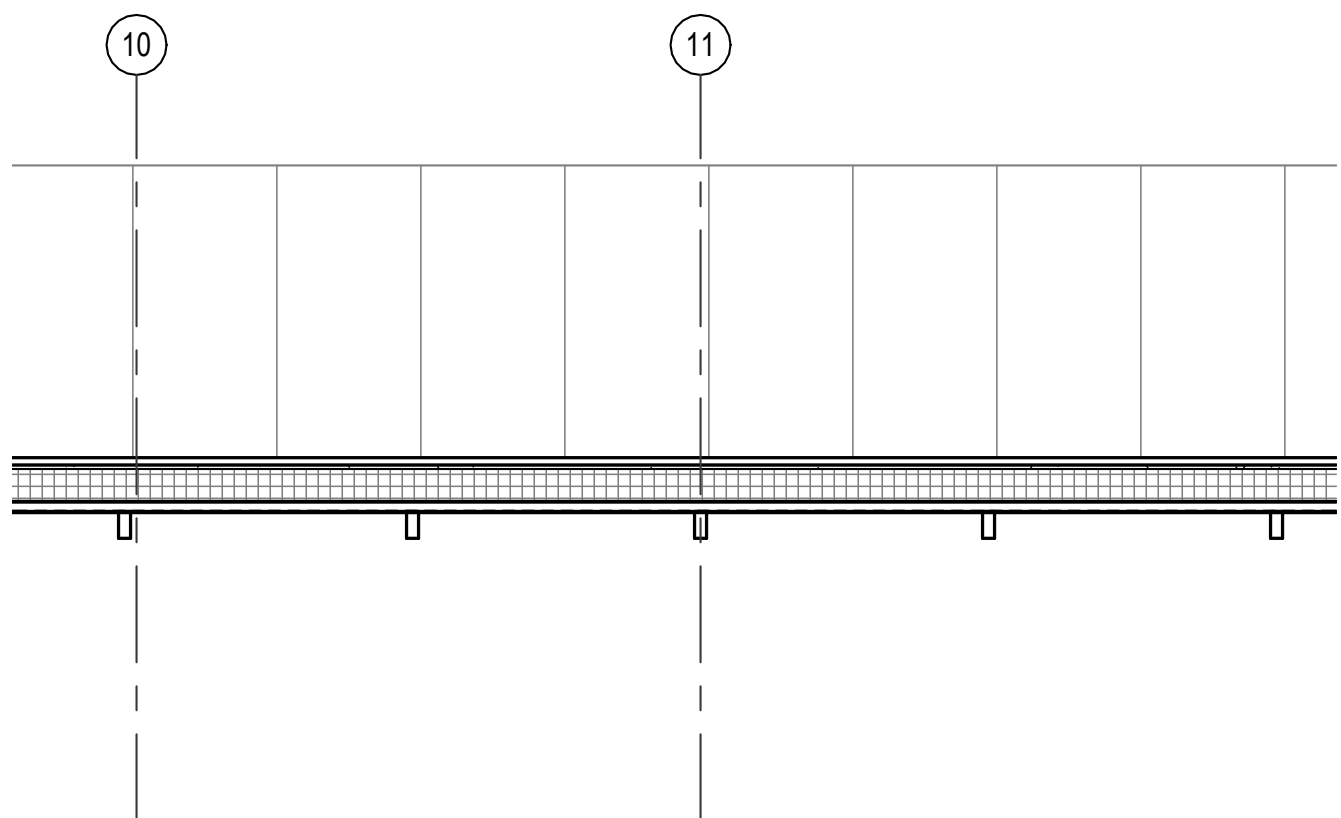
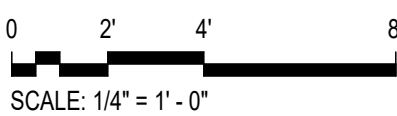
VERTICAL
CIRCULATION PLANS,
SECTIONS, & DETAILS

SHEET NUMBER:

A411

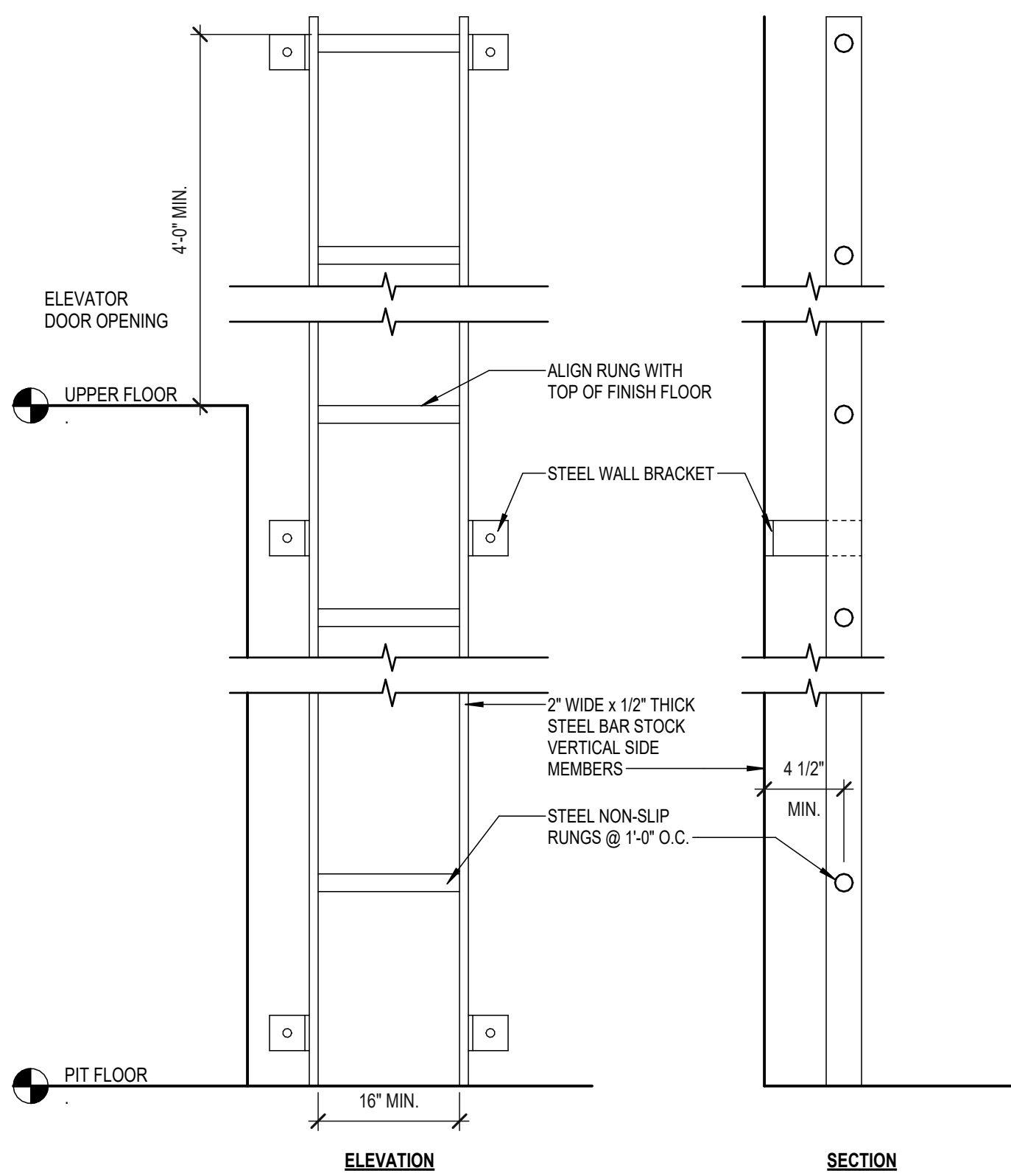
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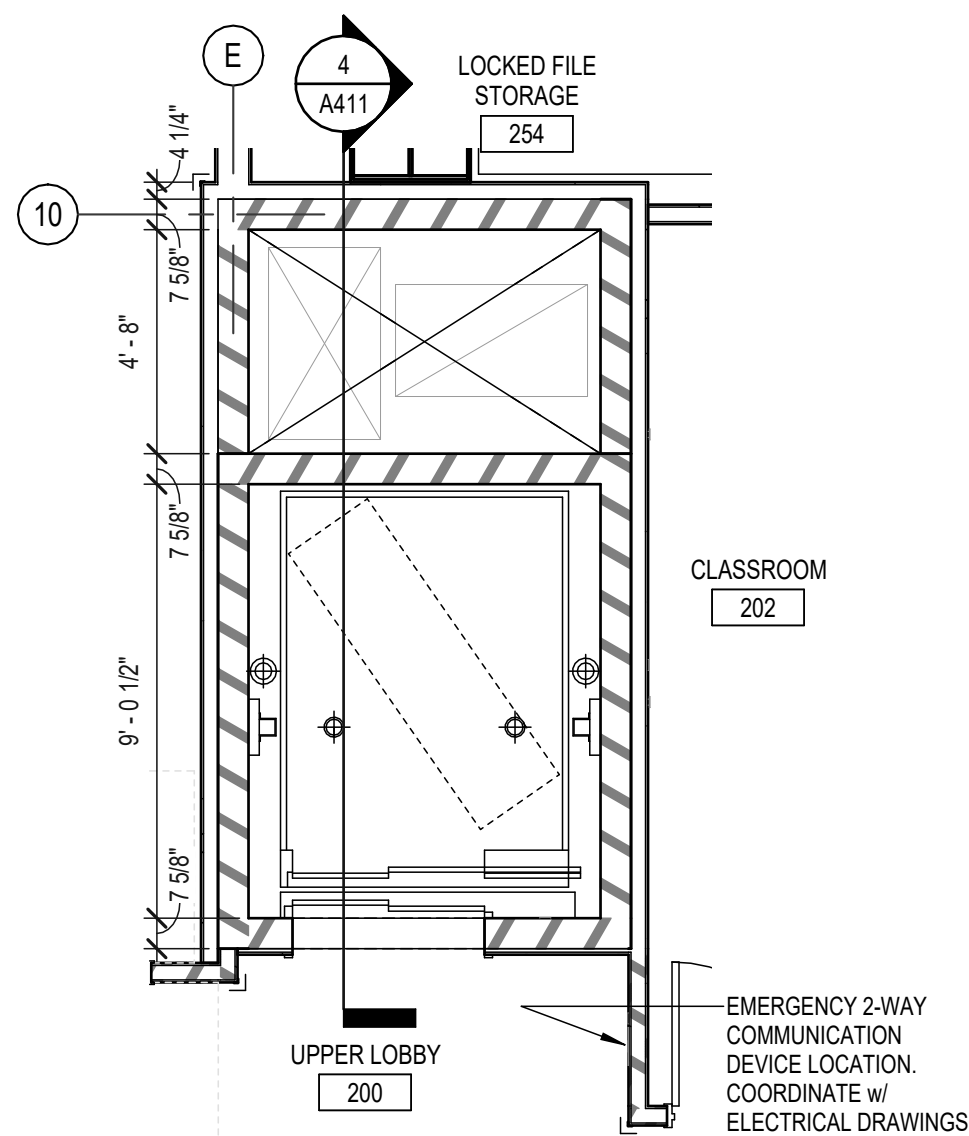
4 ELEVATOR & SHAFT SECTION

A411 SCALE: 3/8" = 1'-0"
REF: A411



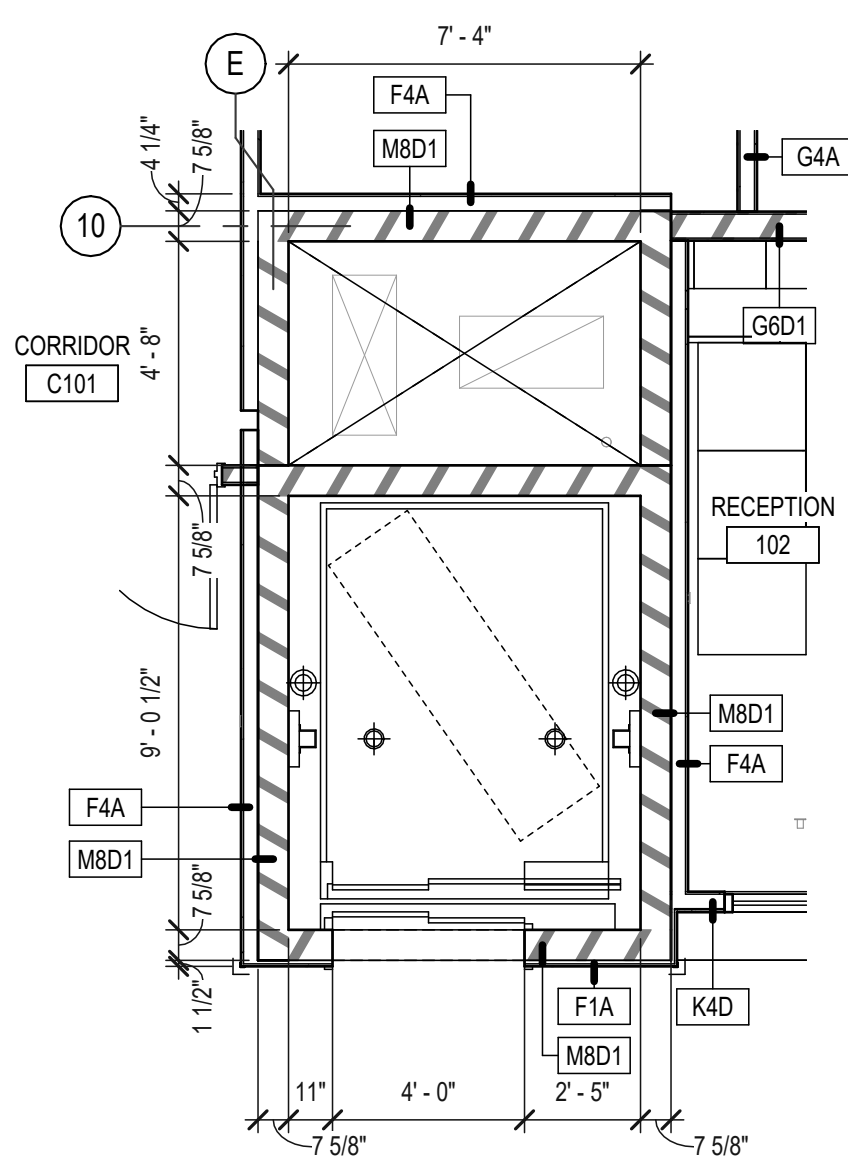
5 ELEVATOR PIT LADDER

A411 SCALE: 1 1/2" = 1'-0"



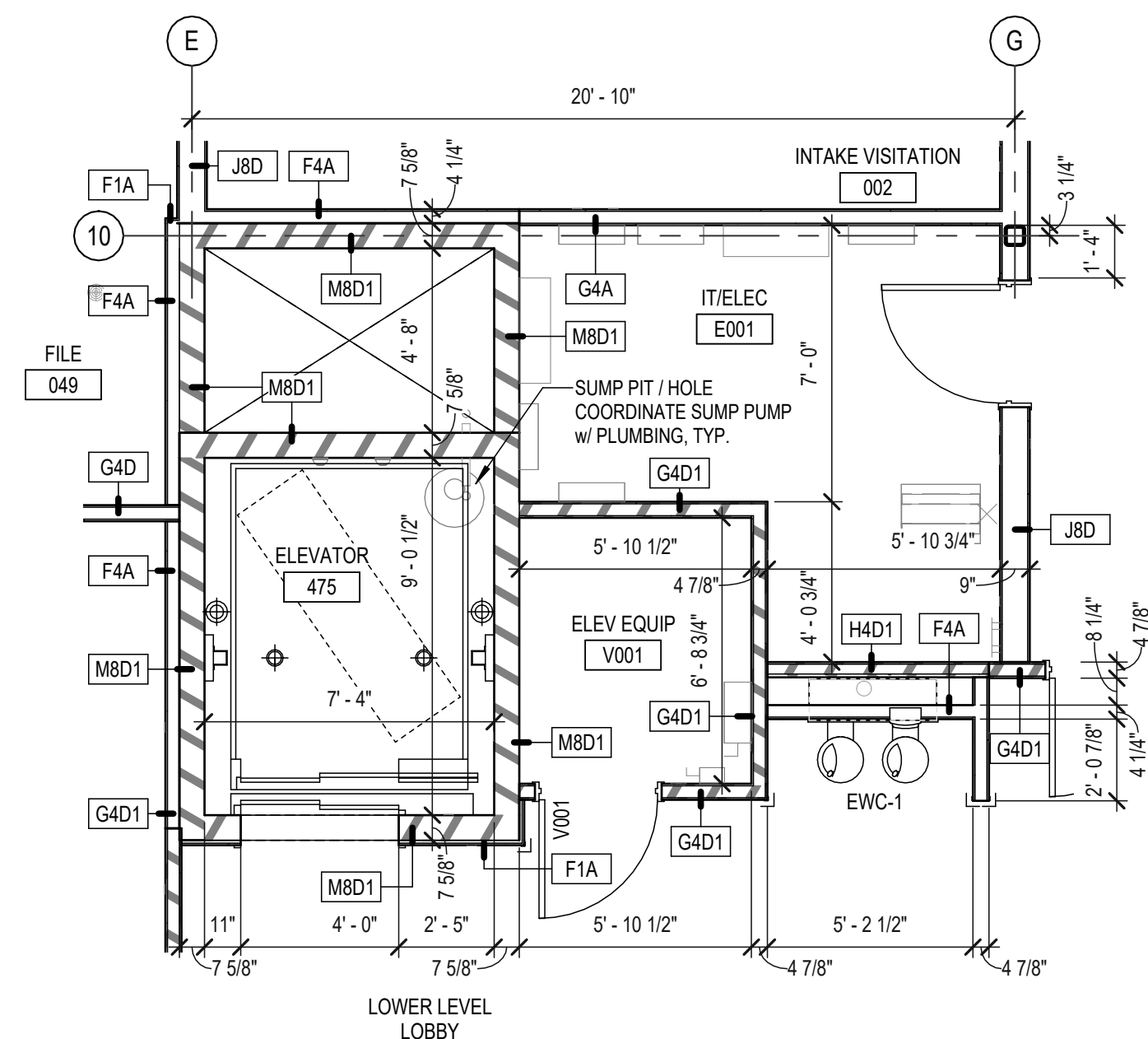
3 SECOND FLOOR ELEVATOR PLAN

A411 SCALE: 1/4" = 1'-0"
REF: A103



2 FIRST FLOOR ELEVATOR PLAN

A411 SCALE: 1/4" = 1'-0"
REF: A102

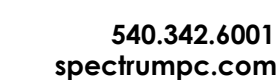


1 LOWER LEVEL ELEVATOR & MACHINE ROOM PLAN

A411 SCALE: 1/4" = 1'-0"
REF: A101



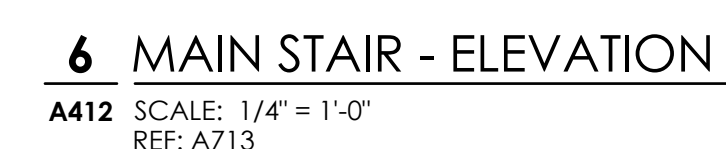
SHEET KEYNOTES	
A4	1 1/2" O.D. STAINLESS STEEL HANDRAIL
A5	TURN GUARDRAIL SYSTEM INTO WINDOW OPENING.
A12	RETURN HANDRAIL TO GLASS GUARDRAIL
A13	RETURN HANDRAIL EXTENSION TO FLOOR
A14	CONCEALED MOUNT SMOKE Baffle SYSTEM WRAPS PERIMETER OF CEILING OPENING AT STAIR. CENTER WITHIN BULKHEAD.
F7	U-CAP AT TOP AND BOTTOM OF LAMINATED GLAZING. MATCH APPEARANCE OF U-CAP AT TOP OF GLASS GUARDRAIL SYSTEM.
F7	THE STAIR TREADS, RISERS, AND LANDINGS, PT-1, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALUMINUM SLIP RESISTANT STAIR NOSINGS AT TILE TREADS, BASIS OF DESIGN: SCHLUTTER TREP-E AND PROVIDE PERIMETER JOINT PROFILE AT: TILE EDGES AT STRINGER AND AT THE CORNER OF THE STAIR ON BOTH MEETS TILE ON RISER, BASIS OF DESIGN: SCHLUTTER DILEX-BWA.



BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: **24112**

SHEET REVISIONS:

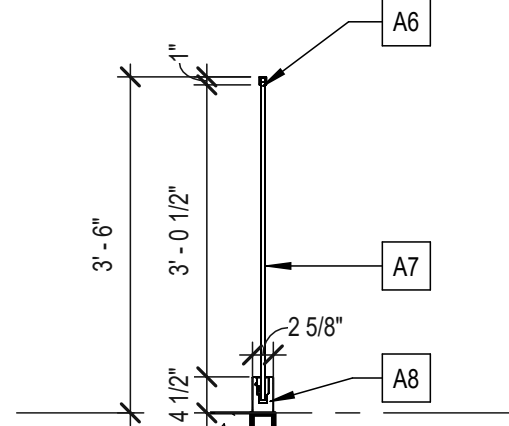


0 2' 4'

SCALE: 1/4" = 1' - 0"

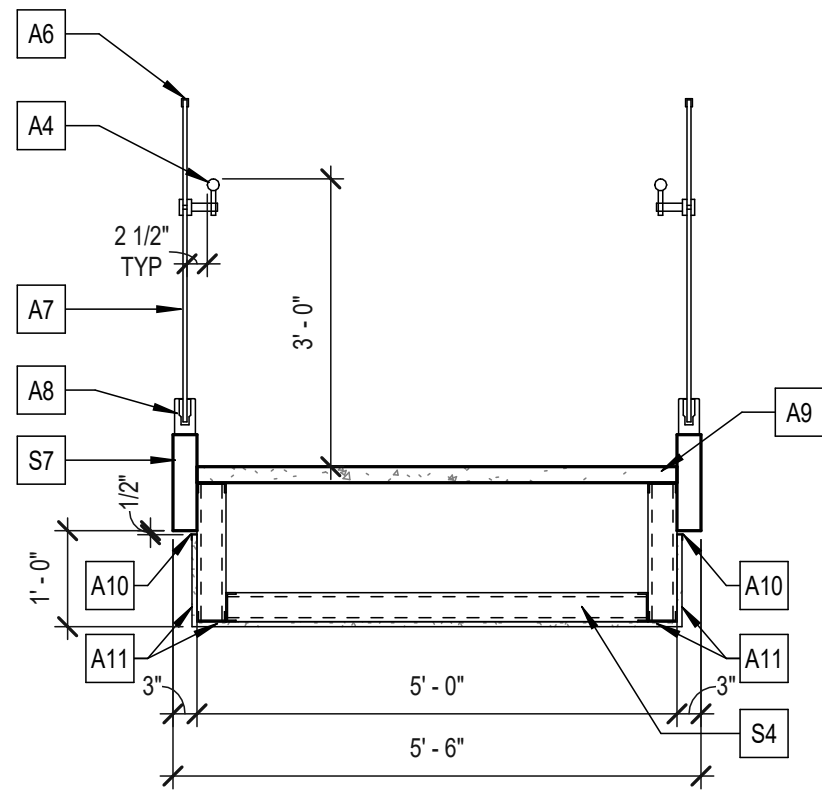
SHEET NUMBER:

A412



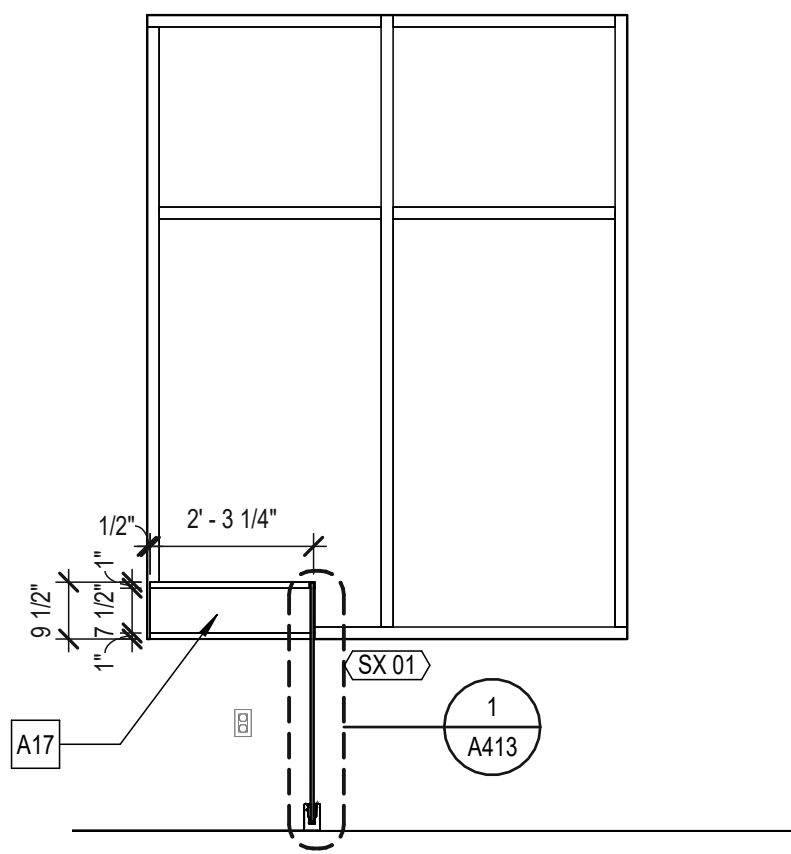
1 GUARDRAIL DETAIL

A413 SCALE: 1/2" = 1'-0"
REF: A412



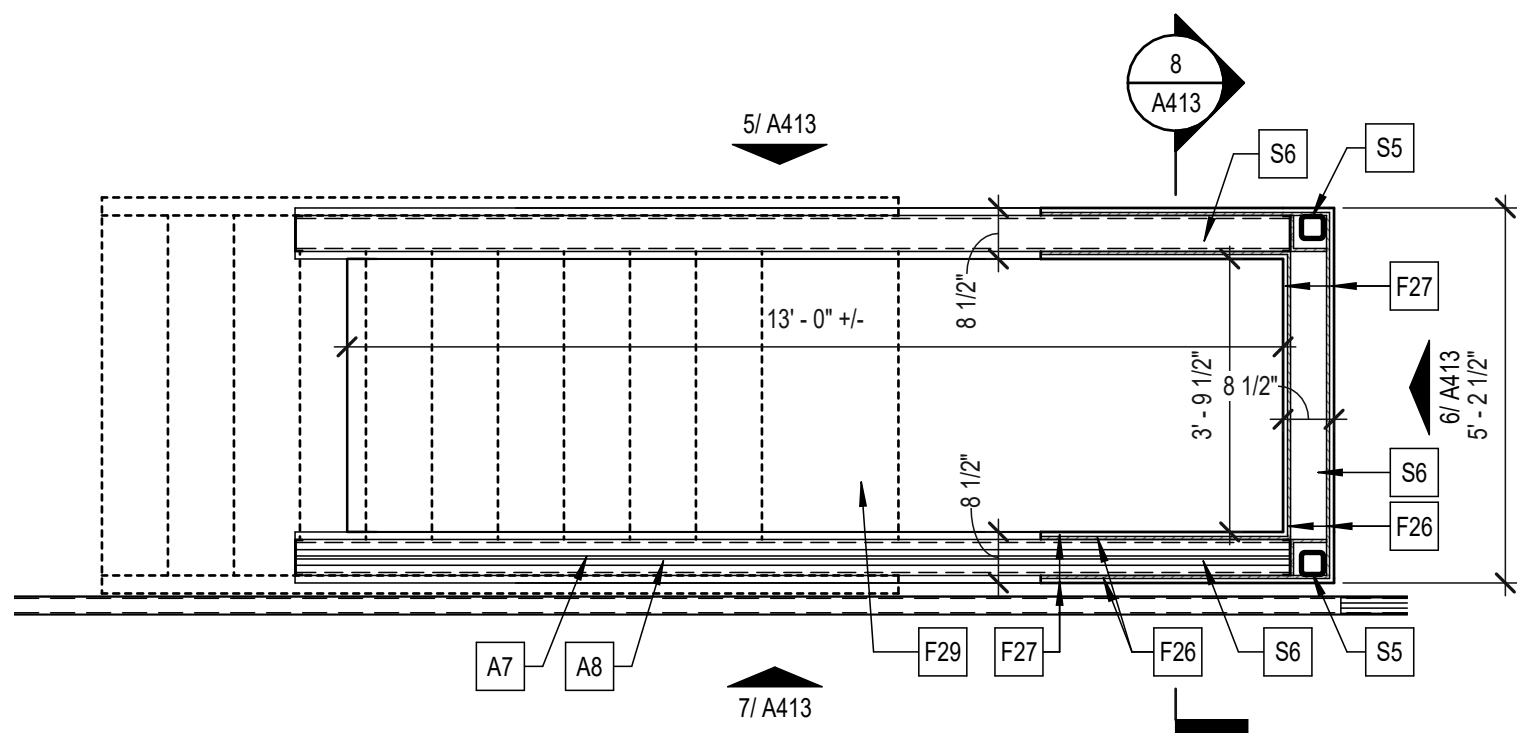
2 STAIR DETAIL

A413 SCALE: 1/2" = 1'-0"
REF: A412



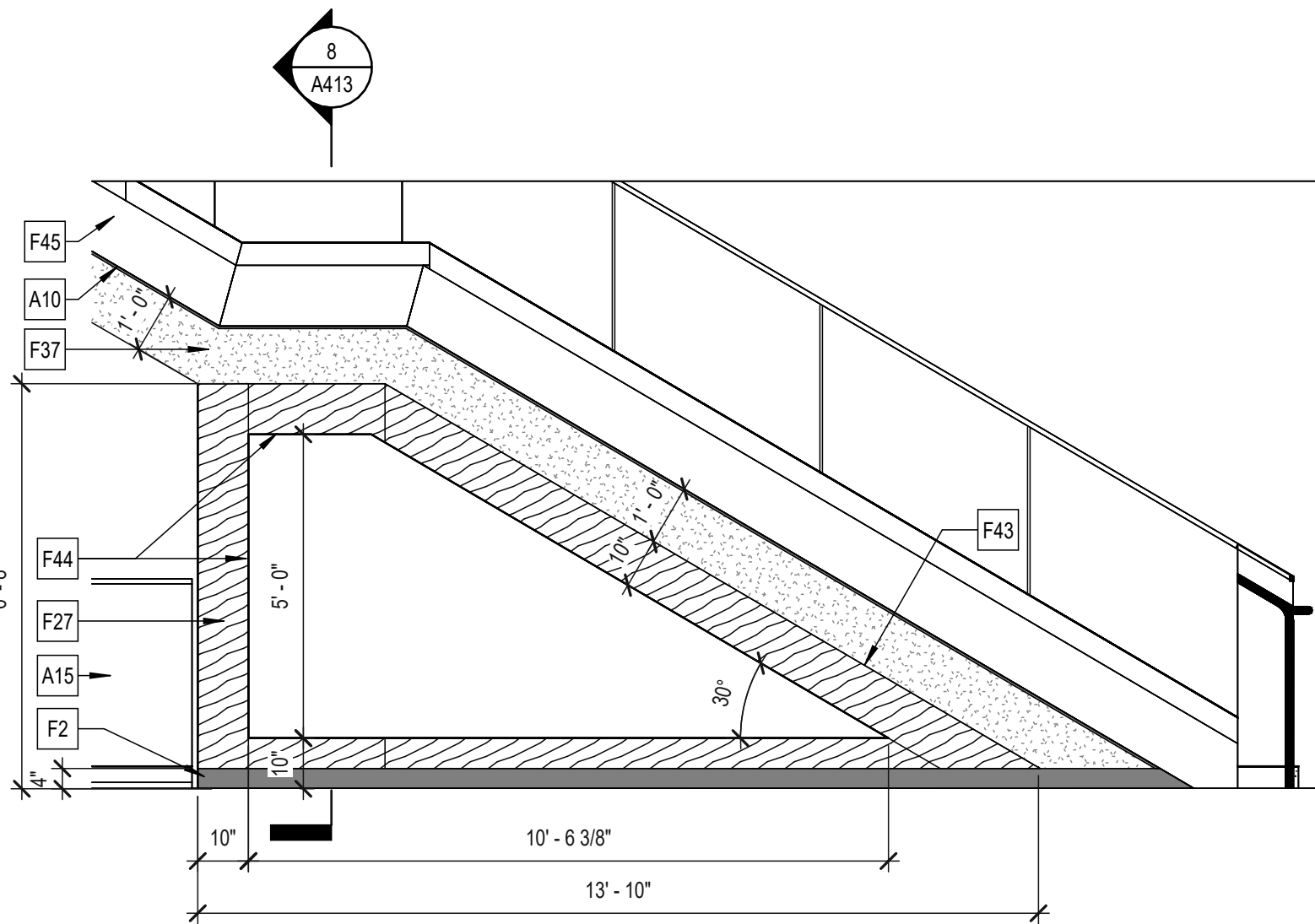
3 GUARDRAIL @ WINDOW DETAIL

A413 SCALE: 3/8" = 1'-0"
REF: A052



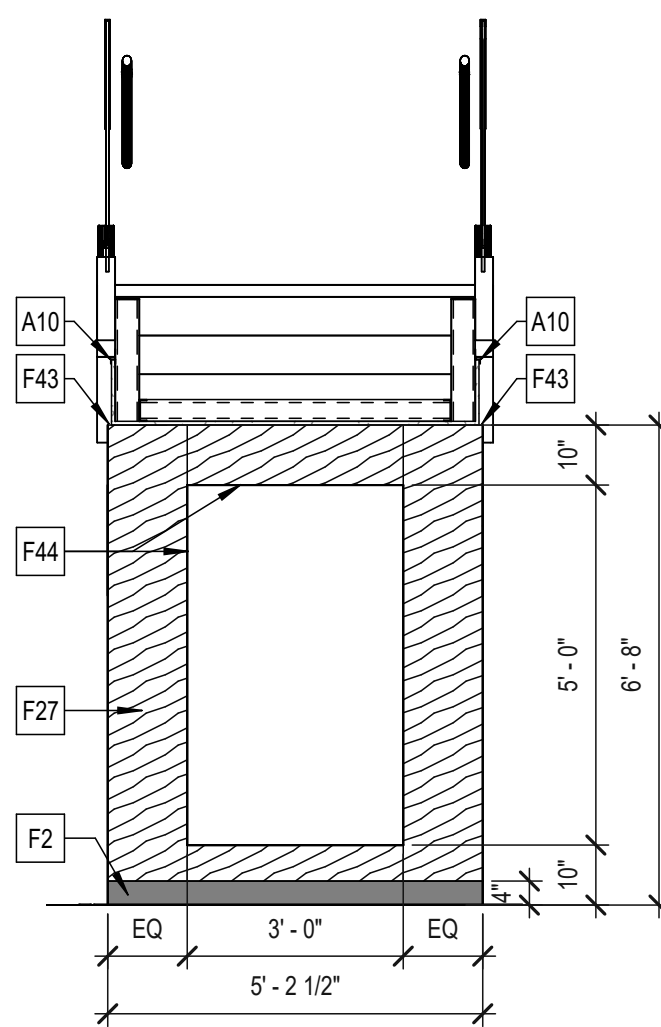
4 STAIR CUBBY PLAN

A413 SCALE: 3/8" = 1'-0"
REF: A412



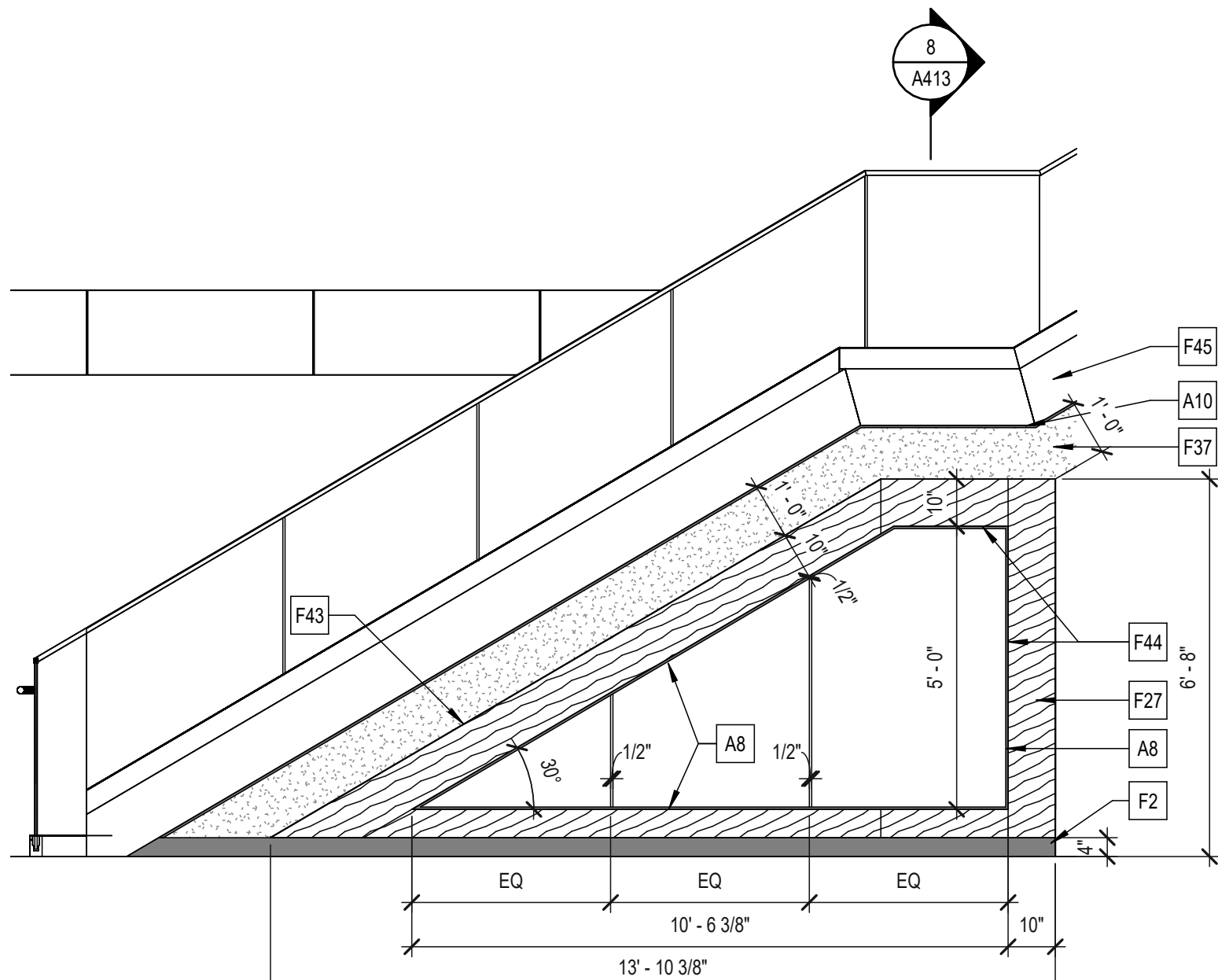
5 STAIR CUBBY

A413 SCALE: 3/8" = 1'-0"
REF: A413



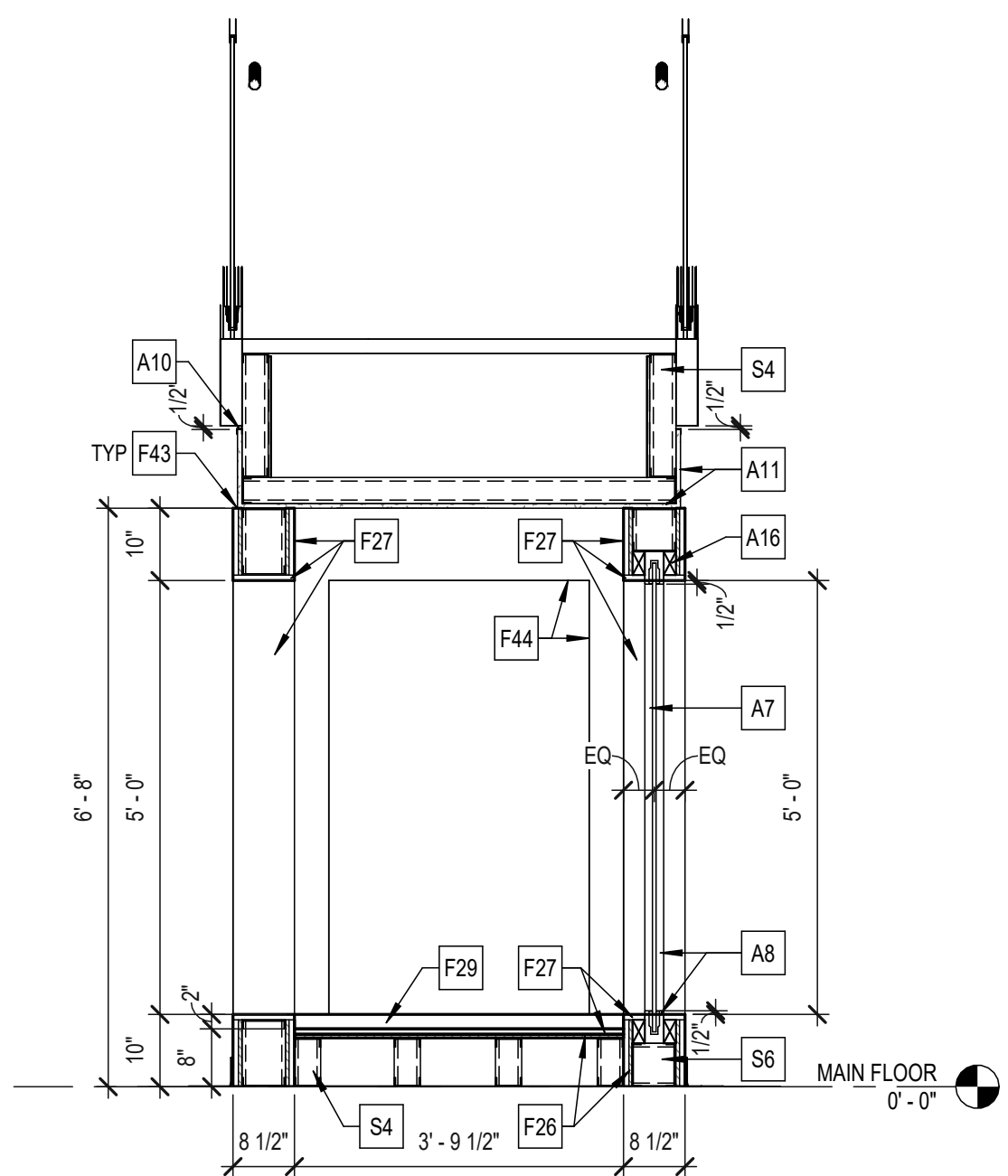
6 STAIR CUBBY

A413 SCALE: 3/8" = 1'-0"
REF: A413



7 STAIR CUBBY

A413 SCALE: 3/8" = 1'-0"
REF: A413



8 STAIR CUBBY DETAIL

A413 SCALE: 1/2" = 1'-0"
REF: A413

VERTICAL CIRCULATION GENERAL NOTES

GN-1: FINISH GRADES, FOOTINGS, AND FOUNDATIONS ARE SHOWN FOR ILLUSTRATION ONLY - SEE CIVIL AND STRUCTURAL DRAWINGS.

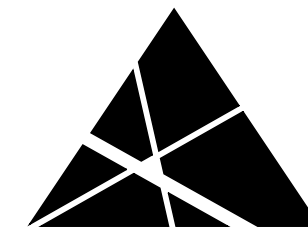
GN-2: SEE STRUCTURAL DRAWINGS FOR MASONRY REINFORCING, GROUTING, AND BOND BEAMS.

GN-3: PROVIDE COLD FORMED METAL FRAMING KICKERS AS REQUIRED.

GN-4: SEE ASSEMBLIES SHEET FOR INTERIOR WALL AND PARTITION TYPES, EXTERIOR WALLS, AND ROOF TYPES.

SHEET KEYNOTES

- A4 1 1/2" O.D. STAINLESS STEEL HANDRAIL
A6 U-CAP AT GUARDRAIL TOP
A7 LAMINATED GLASS GUARDRAIL
A8 ALUMINUM SHOE BASE
A9 2" D. STEEL PAN STAIR WITH CONC. FILL
A10 ALUMINUM F-REVEAL
A11 5/8" GWB
A15 GLASS GUARDRAIL SYSTEM. SEE SECTION FOR ADDITIONAL DETAIL.
A16 WOOD BLOCKING
A17 U-CAP AT TOP AND BOTTOM OF LAMINATED GLAZING. MATCH APPEARANCE OF U-CAP AT TOP OF GLASS GUARDRAIL SYSTEM.
F2 WALL BASE AS SCHEDULED.
F26 1/2" PLYWOOD
F27 3/4" PLYWOOD WITH PLASTIC LAMINATE FINISH - PL-1. SEE FINISH SCHEDULE FOR ADDITIONAL DETAILS.
F29 2" THICK FOAM FLOOR MAT WITH VINYL FINISH.
F37 GWB - PAINT
F43 PROVIDE EDGE-BANDING AT ALL EXPOSED EDGES OF 3/4" PLYWOOD EDGE-BANDING COLOR AND FINISH TO MATCH ADJACENT PLASTIC LAMINATE.
F44 WRAP 3/4" PLYWOOD WITH PLASTIC LAMINATE FINISH INTO OPENING.
F45 STEEL STRINGER - PAINT
S4 3 5/8" METAL STUD FRAMING
S5 COLUMN - SEE STRUCT.
S6 6" METAL STUD FRAMING
S7 STEEL LANDING SUPPORT - SEE STRUCT.



SPECTRUM DESIGN
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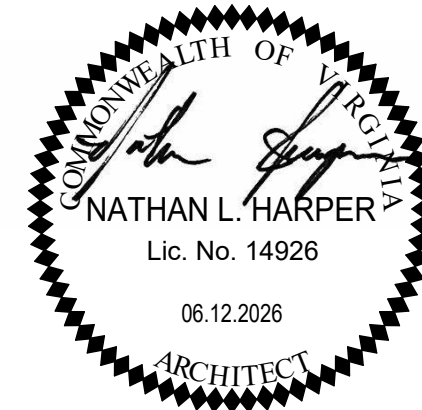
Plaza Suite 1
10 Church Avenue, SE
Roanoke, VA 24011

540.342.4001
spectrumpc.com

DEPARTMENT OF SOCIAL
SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: CHECKED BY: DRAWN BY:
JM NLH MCA, TLR, LAC

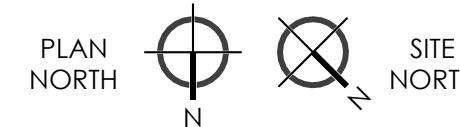
SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

SHEET REVISIONS:



SHEET NAME:

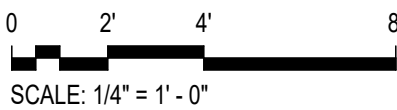
VERTICAL
CIRCULATION PLANS,
SECTIONS, & DETAILS

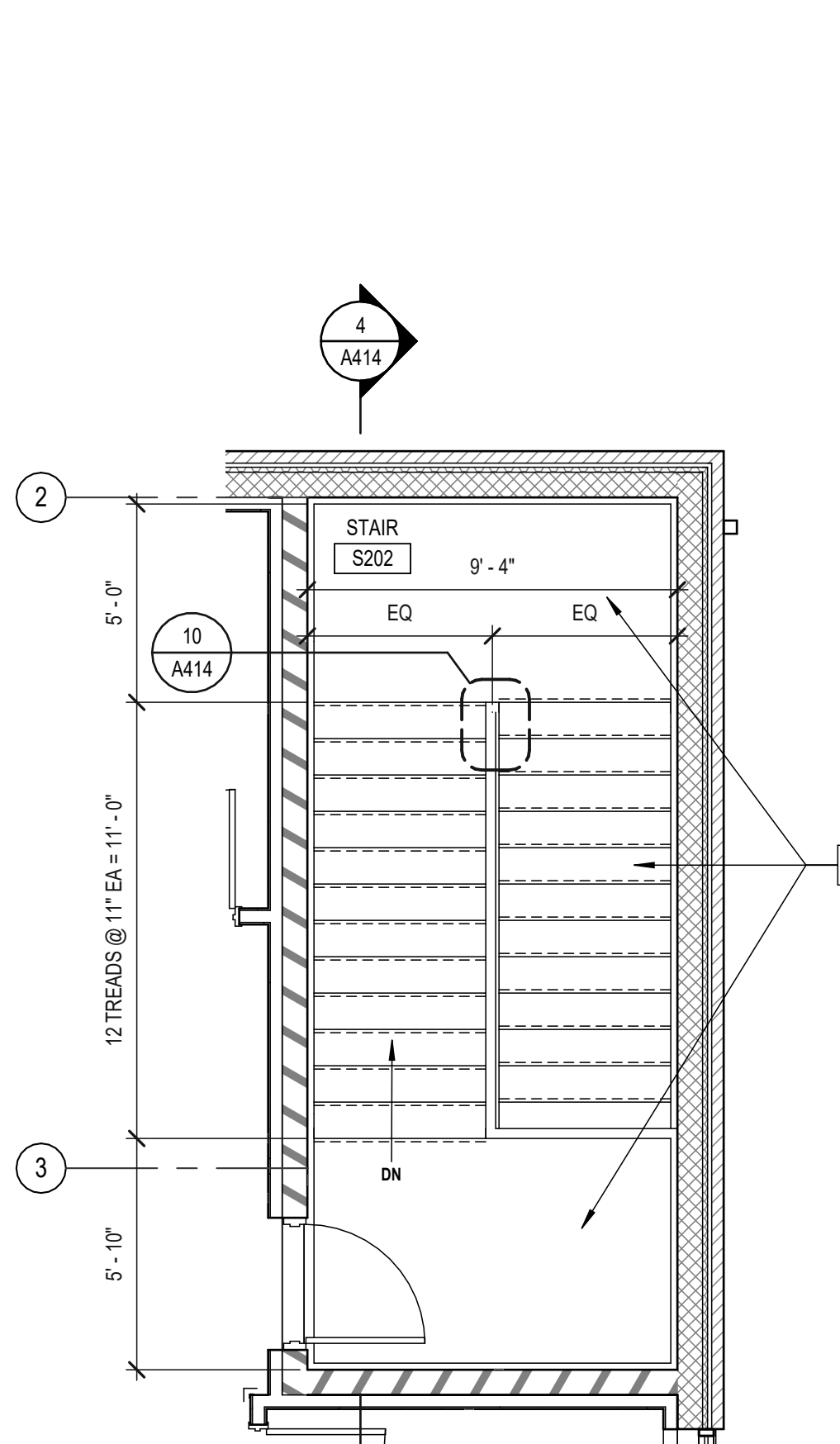
SHEET NUMBER:

A413

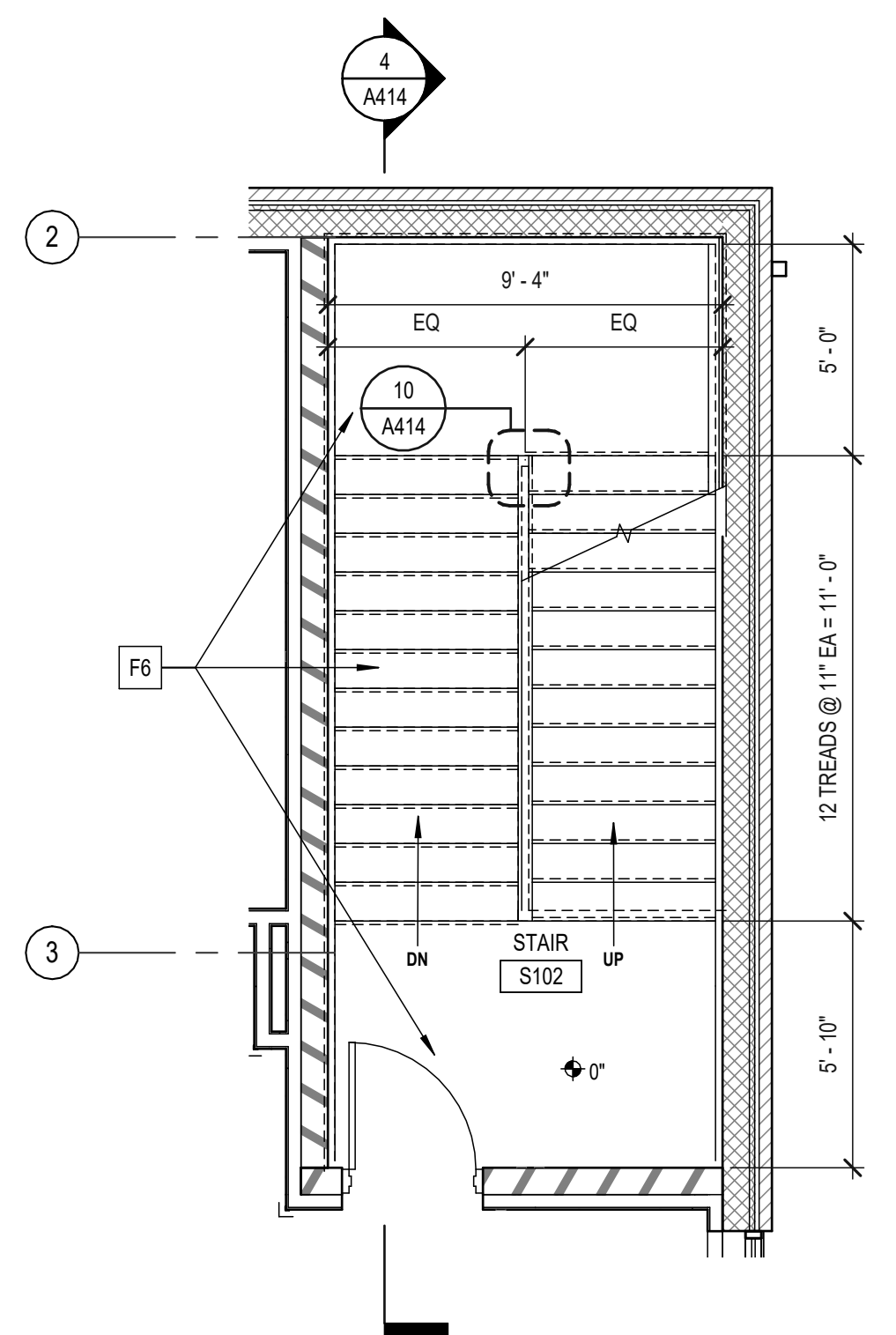
GRAPHICS DISCLAIMER

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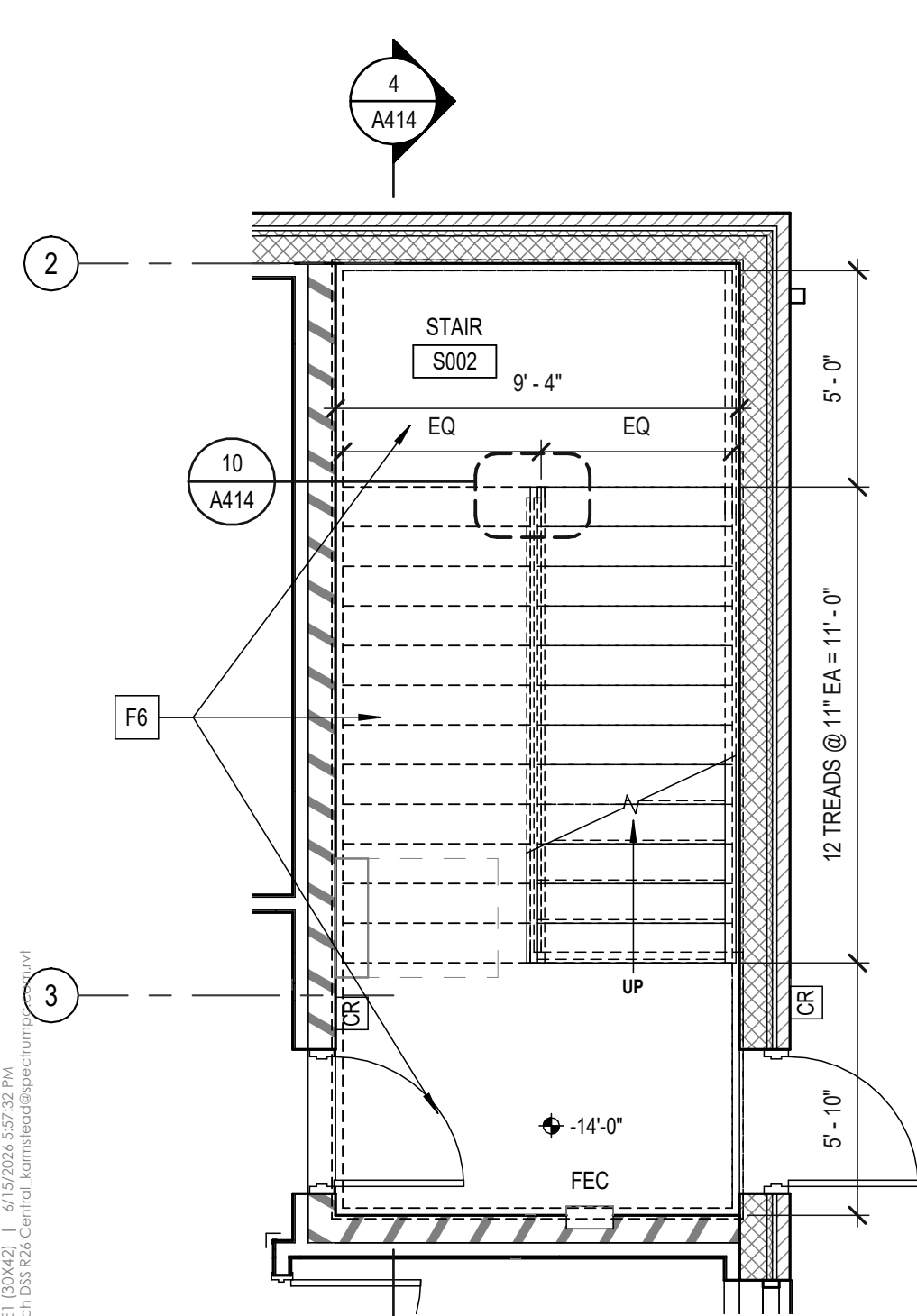




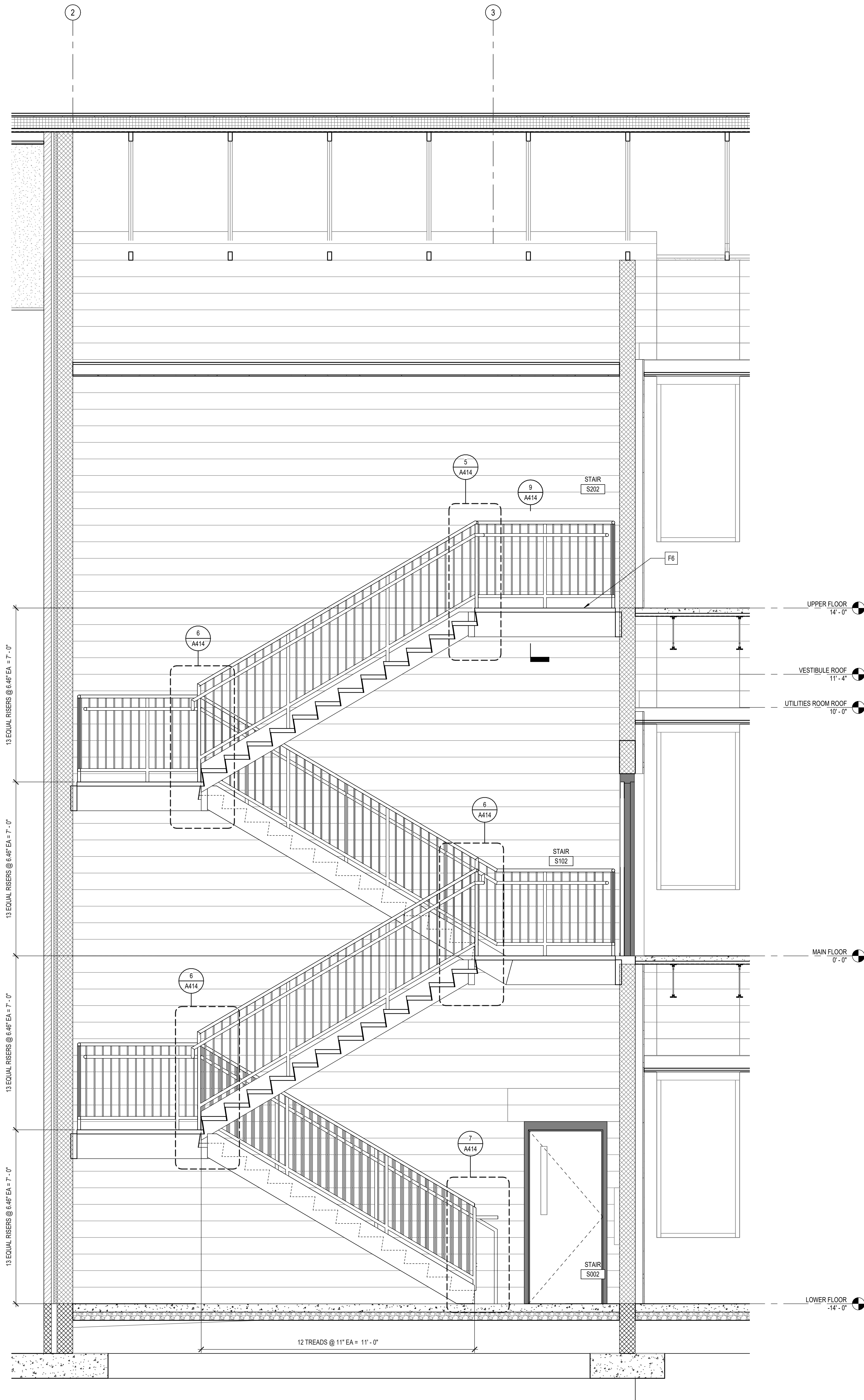
3 STAIR S202 PLAN
A414 SCALE: 1/4" = 1'-0"



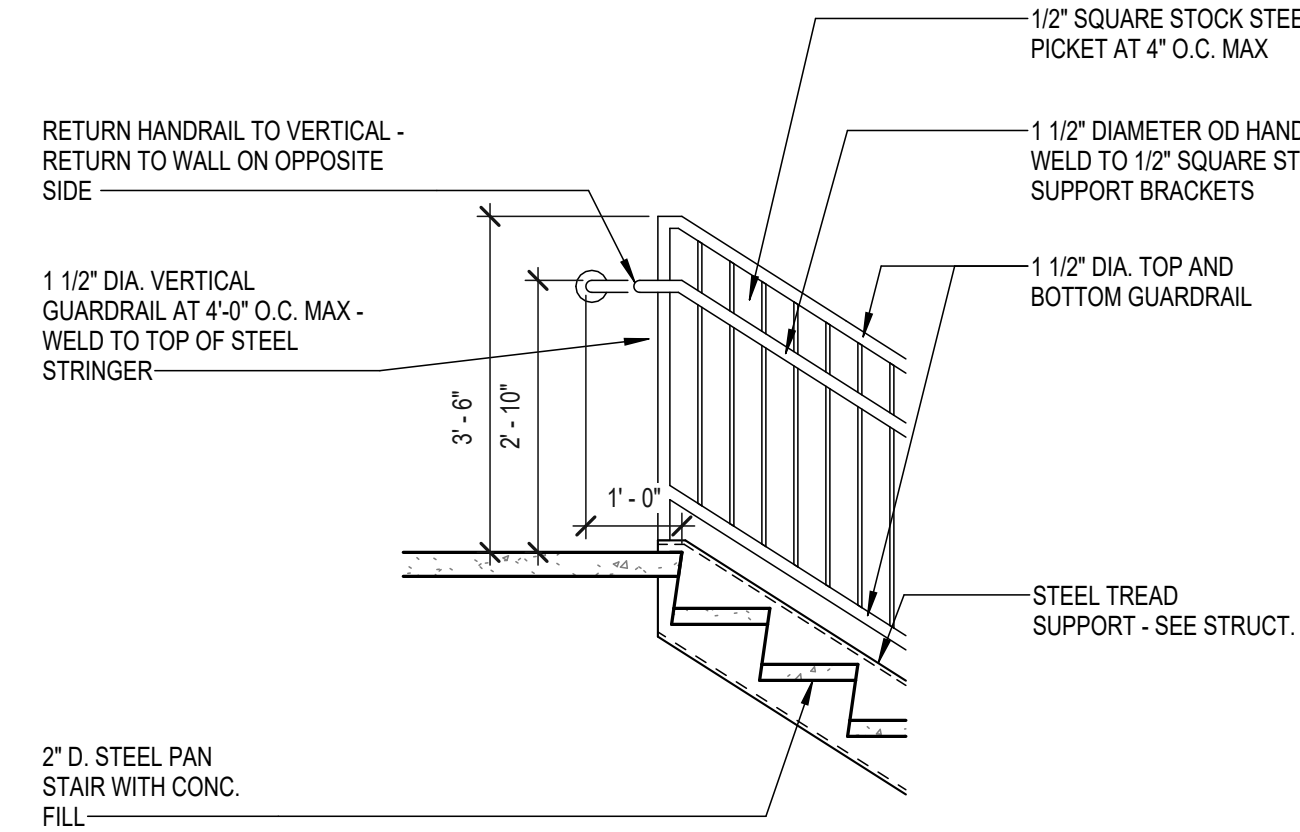
2 STAIR S102 PLAN
A414 SCALE: 1/4" = 1'-0"



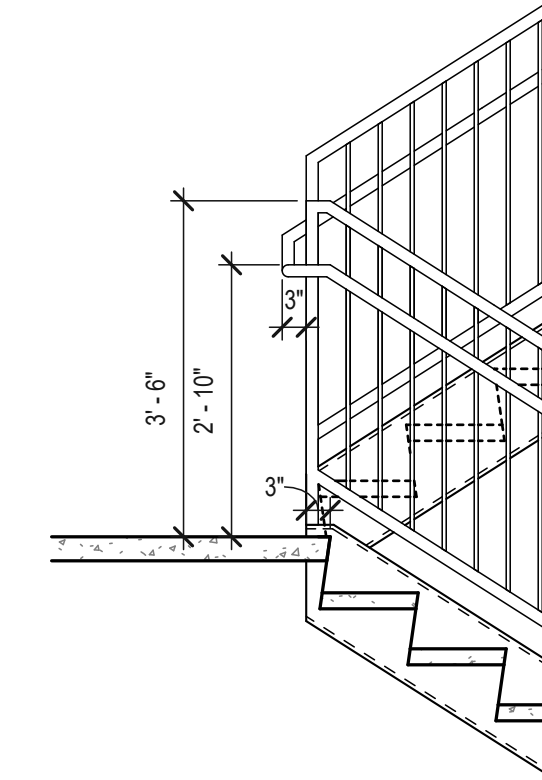
1 STAIR S002 PLAN
A414 SCALE: 1/4" = 1'-0"



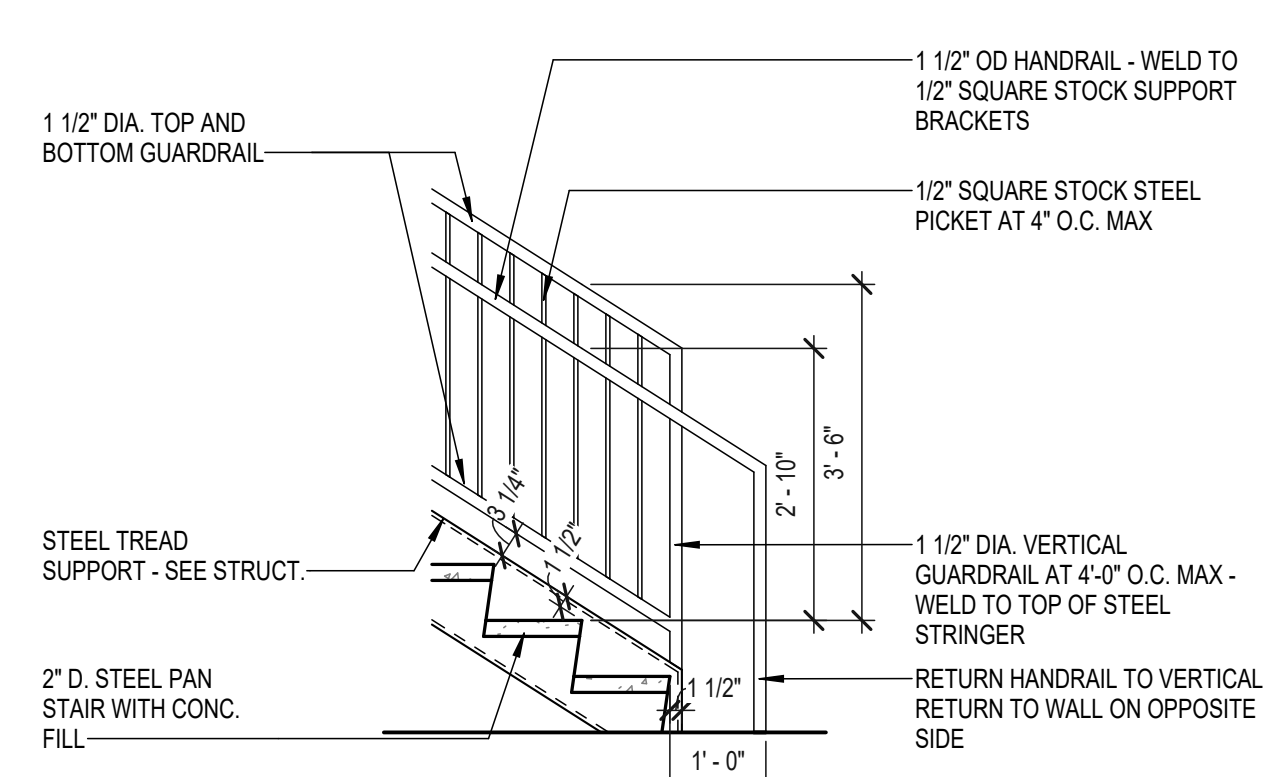
4 SECTION THROUGH STAIR 02
A414 SCALE: 1/2" = 1'-0"
REF: A414



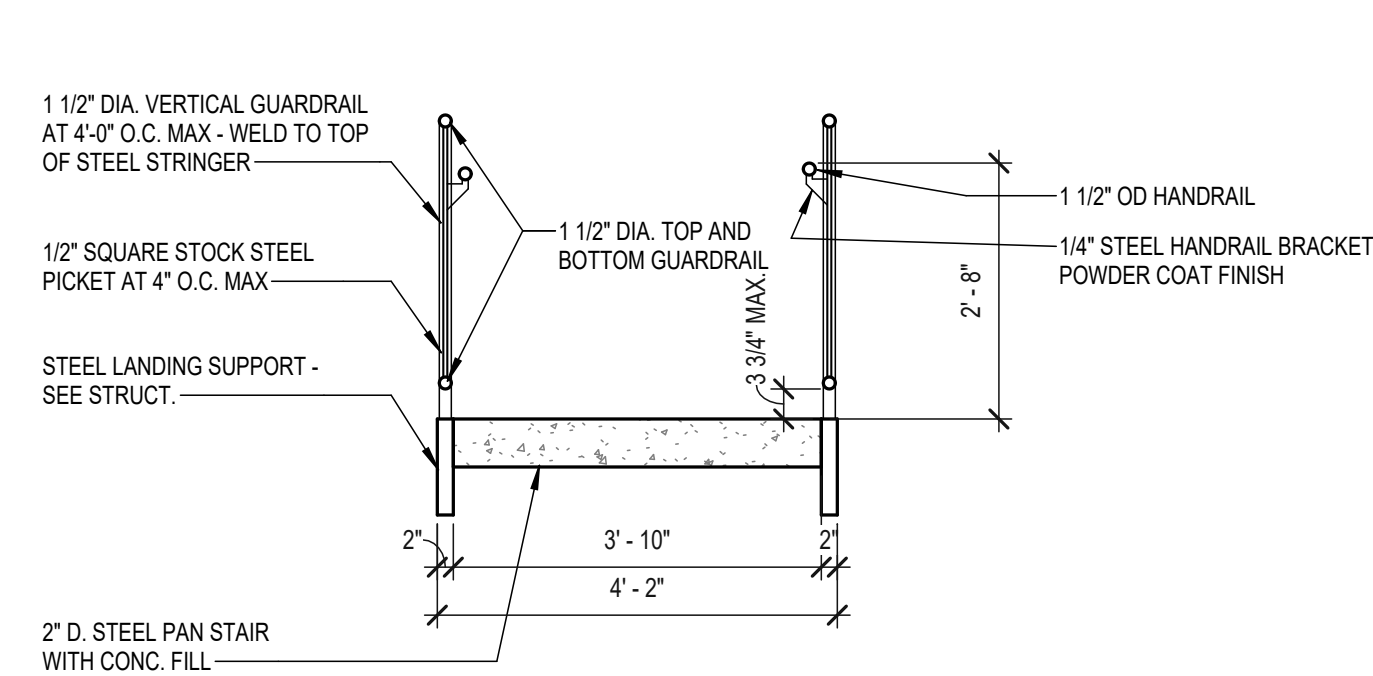
5 STAIR LANDING DETAIL
A414 SCALE: 1/2" = 1'-0"
REF: A414



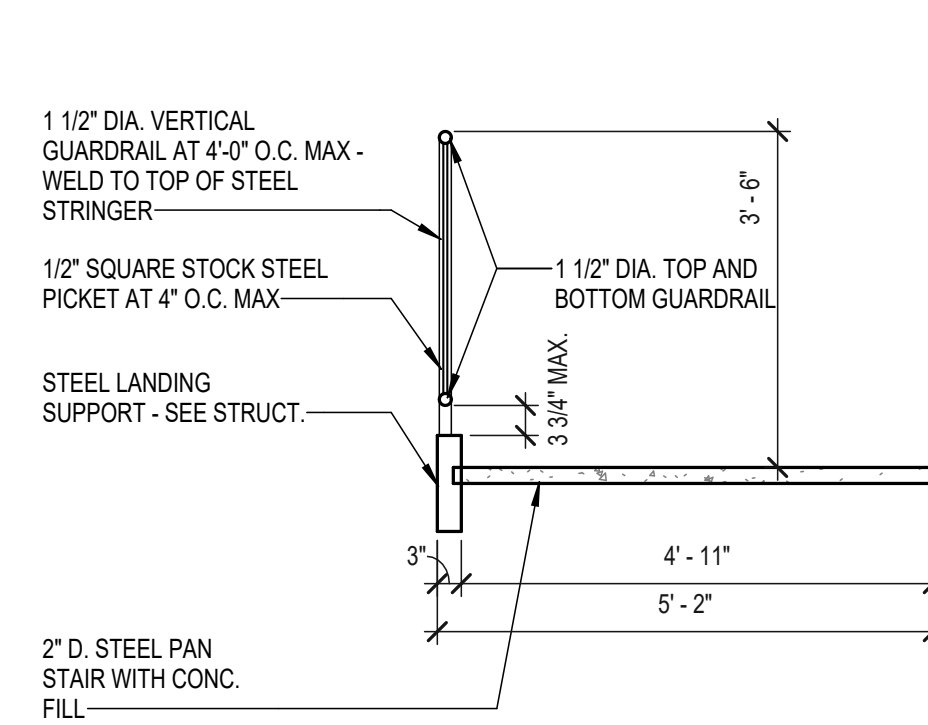
6 STAIR TURN DETAIL
A414 SCALE: 1/2" = 1'-0"
REF: A414



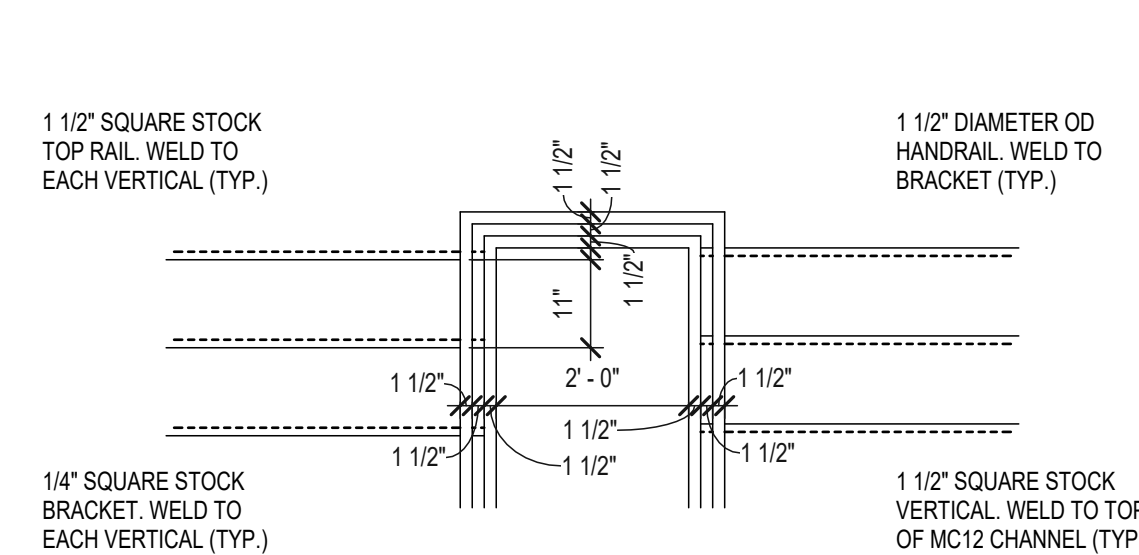
7 STAIR LANDING DETAIL
A414 SCALE: 1/2" = 1'-0"
REF: A414



8 STAIR SECTION
A414 SCALE: 1/2" = 1'-0"



9 LANDING DETAIL
A414 SCALE: 1/2" = 1'-0"
REF: A414



10 STAIR TURN DETAILS
A414 SCALE: 1/2" = 1'-0"
REF: A414

VERTICAL CIRCULATION GENERAL NOTES

GN-1: FINISH GRADES, FOOTINGS, AND FOUNDATIONS ARE SHOWN FOR ILLUSTRATION ONLY - SEE CIVIL AND STRUCTURAL DRAWINGS.

GN-2: SEE STRUCTURAL DRAWINGS FOR MASONRY REINFORCING, GROUTING, AND BOND BEAMS.

GN-3: PROVIDE COLD FORMED METAL FRAMING KICKERS AS REQUIRED.

GN-4: SEE ASSEMBLIES SHEET FOR INTERIOR WALL AND PARTITION TYPES, EXTERIOR WALLS, AND ROOF TYPES.

SHEET KEYNOTES

F6: RUBBER STAIR TREADS, RISERS, AND LANDINGS INCLUDING TOP AND BOTTOM LANDING IN STAIR ENCLOSURE, RUB-1: SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.

SPECTRUM DESIGN
architects | engineers

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Roanoke, VA 24011

540.342.6001
spectrumpc.com

**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

PLAN NORTH
SITE NORTH

SHEET NAME:
**VERTICAL
CIRCULATION PLANS,
SECTIONS, & DETAILS**

SHEET NUMBER:

A414

GRAPHICS DISCLAIMER

3D / ISOMETRIC VIEWS AND GRAPHICS ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. GO TO REFERENCE DETAILED AND DIMENSIONED DRAWINGS FOR THE CONTRACT REQUIREMENTS.

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

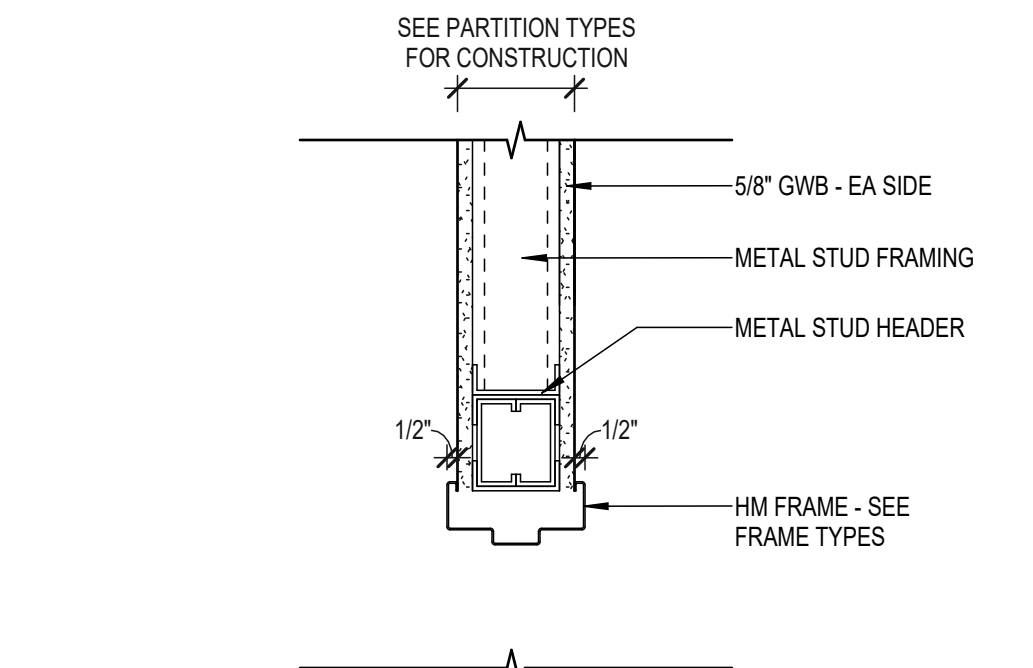
DOOR AND FRAME SCHEDULE														
OPENING NO./ DOOR MARK	DOOR					FIRE RATING	FRAME				HDWRE SET	AC	AO	KEYNOTES
	ELEV	PAIR	MATL	WIDTH	HEIGHT		GLOSS	ELEV	MATL	HEAD				
LOWER FLOOR														
001	NT	--	WD	3'-0"	7'-0"	60 MIN	F1	HM	1HA602	1JA602	27	•		
002	NT	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	02			
003	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03			
004	NT	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	04			
005	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	05			
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009	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03			
010	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03			
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012	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03			
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053	F	--	WD	3'-0"	7'-0"	60 MIN	F1	HM	1HA602	1JA602	11	•		
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C011.1	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	H5A602	5JA602	31	•	•	
C012	NT	--	WD	3'-0"	7'-0"	--	SFCW	AL	1HA602	1JA602	28A	•	•	
C013	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	1HA602	1JA602	08A			
C013.1	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	H5A602	3JA602	32	•	•	
C015	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	1HA602	1JA602	30	•	•	
C015.1	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	3HA602	3JA602	31	•	•	
E001	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	15	•		
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S002	NT	--	WD	3'-0"	7'-0"	60 MIN	F2	HM	10HA602	10JA602	37	•		
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T002	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	30			
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MAIN FLOOR														
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102	F	--	HM	3'-0"	7'-0"	60 MIN	F1	HM	1HA602	1JA602	13			
103	F	--	WD	3'-0"	7'-0"	60 MIN	F1	HM	1HA602	1JA602	03A			

DOOR ELEVATION TYPES

SCALE: 1/4" = 1'-0"

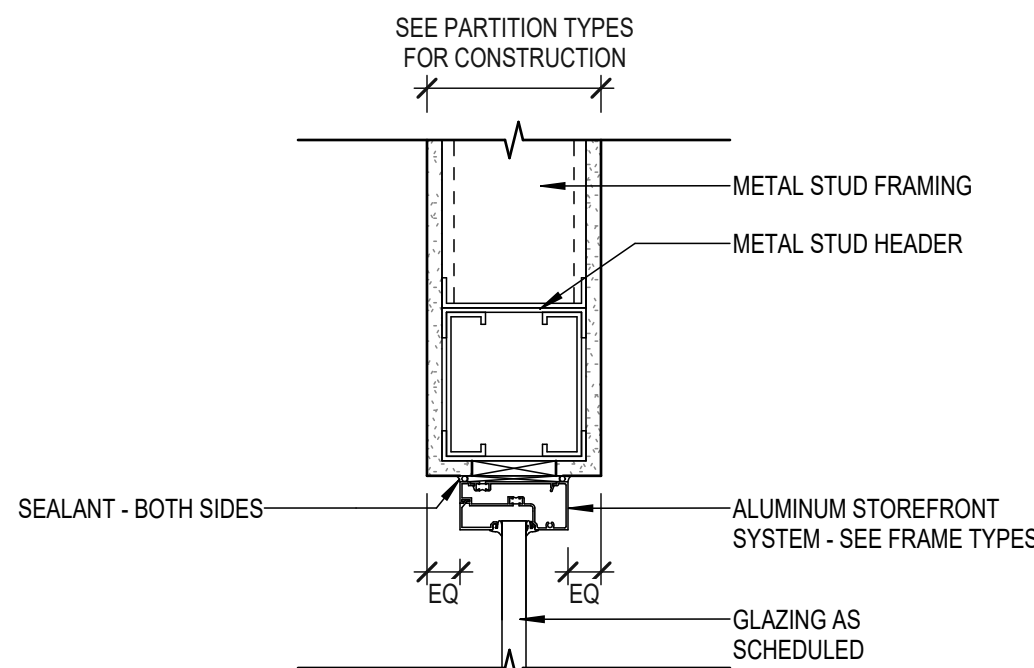
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DOOR AND FRAME SCHEDULE															
OPENING NO./ DOOR MARK	DOOR					FIRE RATING	FRAME				HDWRE SET	AC	AO	KEYNOTES	
	ELEV	PAIR	MATL	WIDTH	HEIGHT		Glass	ELEV	MATL	HEAD					JAMB
104	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	15	*			
105	NT	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	16	*			
106	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
107	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
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109	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
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114	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
115	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
116	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
117	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
118	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
119	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
120	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
121	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
122	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
123	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
124	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
125	HG	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	17				
125.1	HG	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	17				
125.2	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	H5A602	5JA602	18				
125.3	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	H5A602	5JA602	18				
126	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
127	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
128	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
129	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
130	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
131	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
132	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
133	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
134	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
135	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
136	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
137	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
138	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
139	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
140	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
141	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
142	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
143	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
144	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
145	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
146	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
147	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03				
148	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	05				
149	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	03			--	
150	NT	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	19				
150.1	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	20				
151	NT	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	21				
151.1	NT	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	21				
151.2	NT	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	22				
151.3	F	PAIR	WD	6'-0"	7'-0"	--	F1	HM	1HA602	1JA602	23				
151.4	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	H5A602	5JA602	24	*			
151.5	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	H5A602	5JA602	24	*			
151.6	SF	--	AL	3'-0"	7'-0"	--	SFCW	AL	H5A602	5JA602	24	*			
151A	F	PAIR	WD	6'-0"	7'-0"	--	F1	HM	1HA602	1JA602	25				
151B	F	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	26				
BB724	NT	--	WD	3'-0"	7'-0"	--	F1	HM	1HA602	1JA602	22				
BB725	F	PAIR	WD	6'-0"	7'-0"	--	F1	HM	1HA602	1JA602	23				
C100	SF	PAIR	AL	6'-0"	8'-0"	--	SFCW	AL	9HA602	1JA602	34	*	*	*	
C100.1	SF	PAIR	AL	6'-0"	8'-0"	--	SFCW	AL	1HA602	9JA602	35	*	*	*	
C101.1	F	PAIR	WD	6'-0"	7'-0"	--	F1	HM	1HA602	1JA602	36				
C101.2	F	PAIR	WD	6'-0"	7'-0"	--	F1	HM	1HA602	1JA602	36				
C101.3	F	PAIR	WD	6'-0"	7'-0"	--	F1	HM	1HA602	1JA602	36				
C101.4	F	PAIR	WD	6'-0"	7'-0"	--	F1	HM	1HA602	1JA602	36				
C103	SF	PAIR	AL	6'-0"	8'-0"	--	SFCW	AL	9HA602	36	9JA602	36	*	*	
C103.1	SF	PAIR	AL	6'-0"	8'-0"	--	SFCW	AL	1HA602	1JA602	39	*	*	*	
C104	F	PAIR	HM	6'-0"	7'-0"	--	F1	HM	1HA602	1JA602	40			--	
C104.1	NT	PAIR	WD	6'-0"	7'-0"	--	60 MIN	F1	HM	1HA602	1JA602	41	*		
J100	F	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	43			--
M010	F	PAIR	HM	6'-0"	7'-0"	--	--	F3	HM	H5A602	5JA602	45			
S102	NT	--	WD	3'-0"	7'-0"	--	60 MIN	F1	HM	1HA602	1JA602	50	*		
T100	F	--	WD	3'-0"	7'-0"	--	60 MIN	F1	HM	1HA602	1JA602	05			
T101	F	--	WD	3'-0"	7'-0"	--	60 MIN	F1	HM	1HA602	1JA602	05			--
T102	F	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	48			
T103	F	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	48			
T104	F	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	49			
T105	F	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	05			--
T106	F	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	05			--
UPPER FLOOR															
200	NT	--	WD	3'-0"	7'-0"	--	60 MIN	F1	HM	1HA602	1JA602	27			
201	NT	--	WD	3'-0"	7'-0"	--	60 MIN	F1	HM	1HA602	1JA602	11	*		
201.1	NT	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	28	*		
202	NT	--	WD	3'-0"	7'-0"	--	60 MIN	F1	HM	1HA602	1JA602	11	*		
204	F	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	15	*		
205	F	--	WD	3'-0"	7'-0"	--	--	F1	HM	1HA602	1JA602	03			



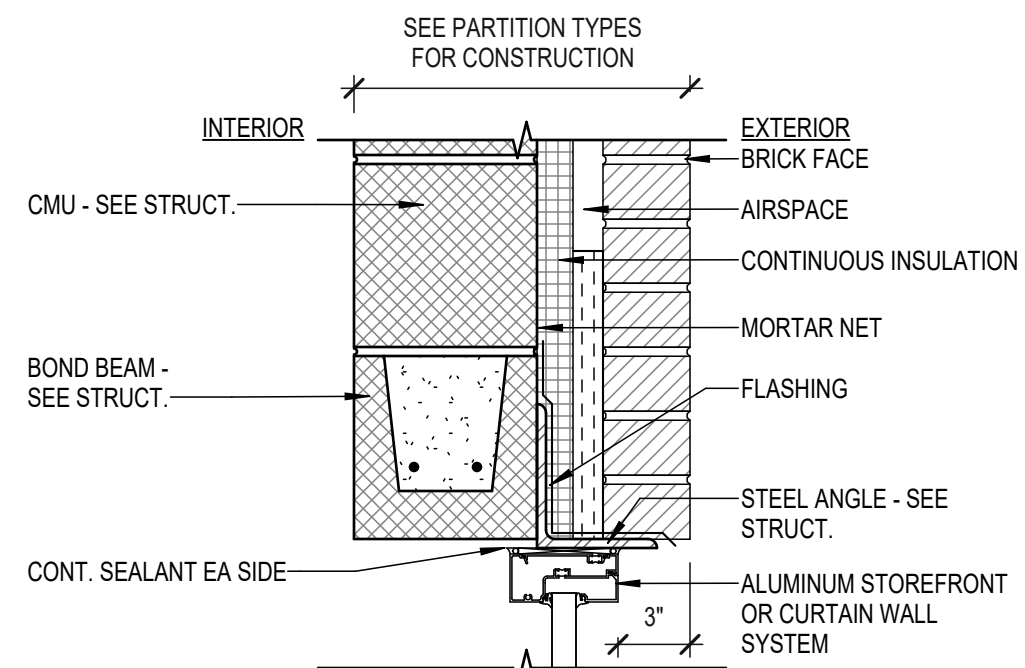
1H HEAD DETAIL - HM @ MTL STUD

A602 SCALE: 1 1/2" = 1'-0"



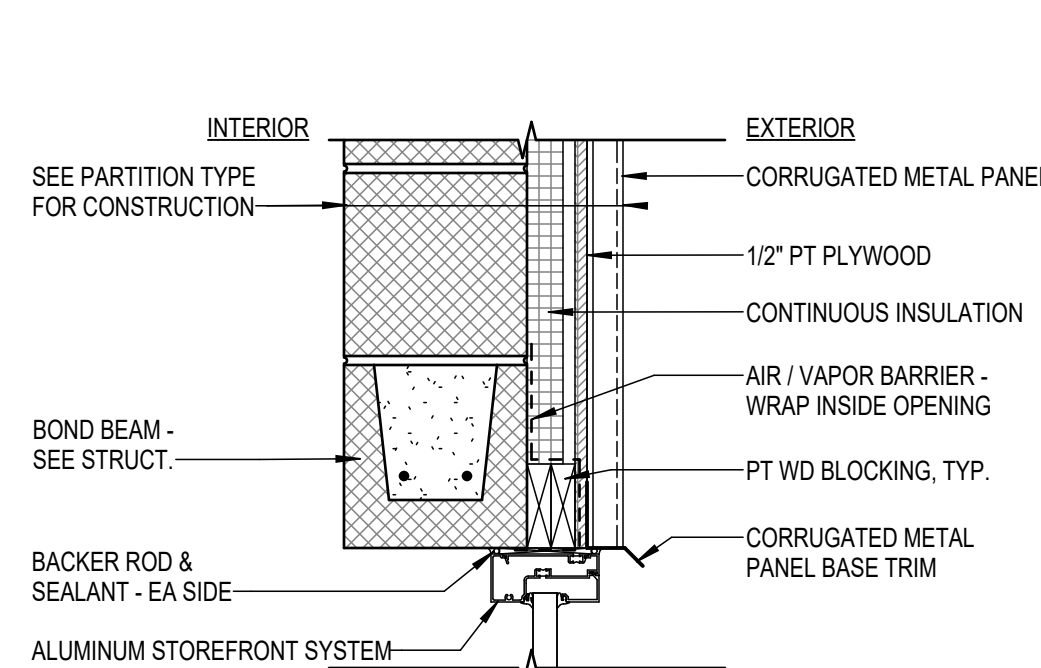
2H HEAD DTL - SF @ MTL STUD

A602 SCALE: 1 1/2" = 1'-0"



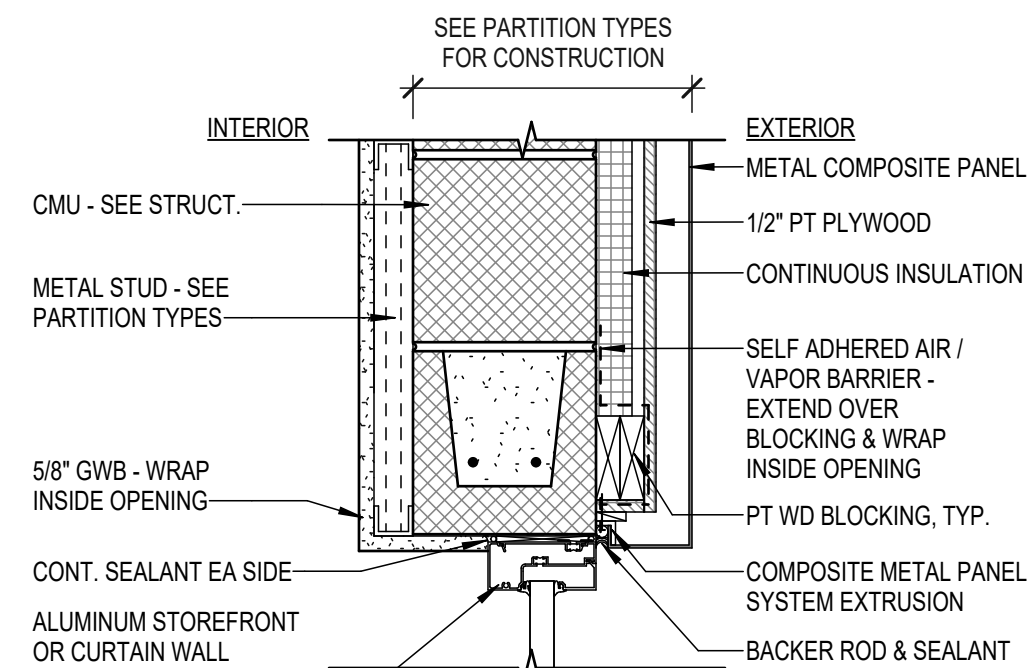
3H HEAD DTL - HM @ CMU / BRICK

A602 SCALE: 1 1/2" = 1'-0"
REF: A312



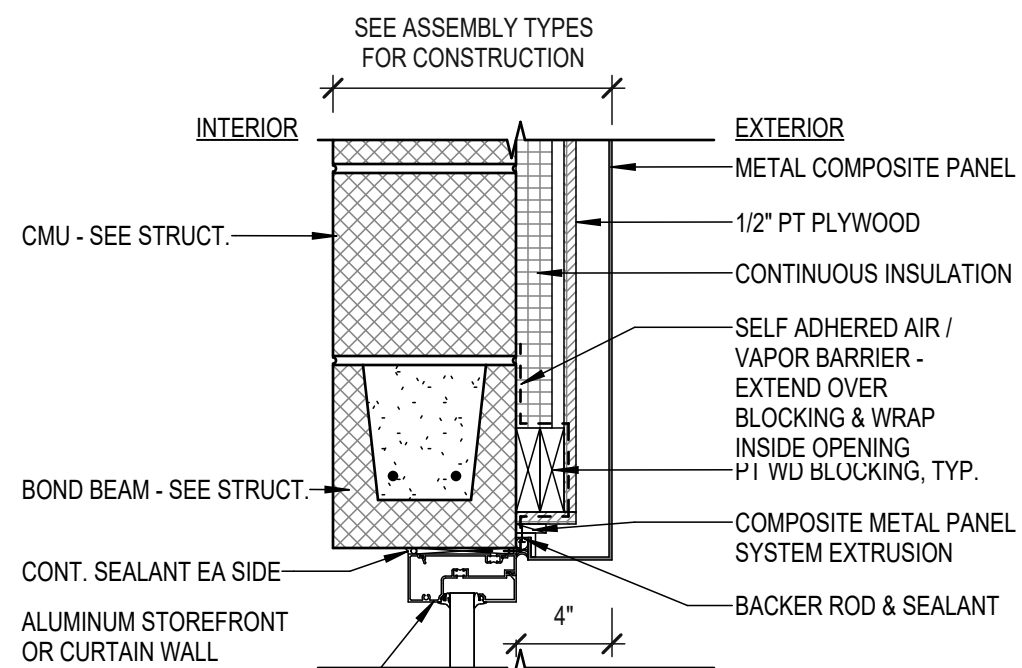
4H HEAD DTL - SF @ CMU / MTL

A602 SCALE: 1 1/2" = 1'-0"
REF: A313



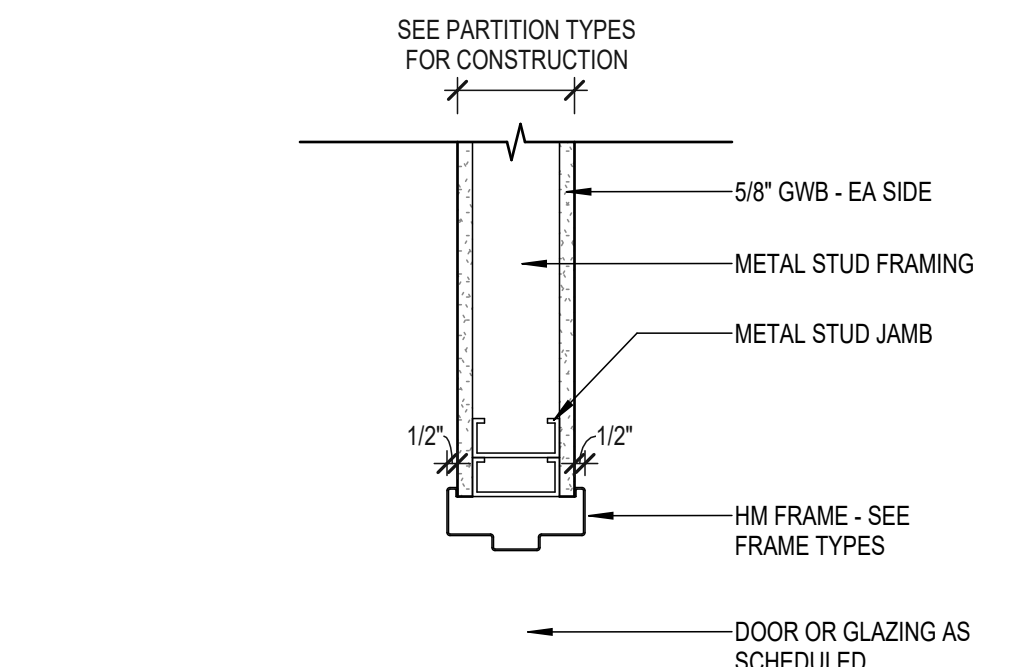
5H HEAD DTL - SF @ CMU / MCM

A602 SCALE: 1 1/2" = 1'-0"
REF: A311



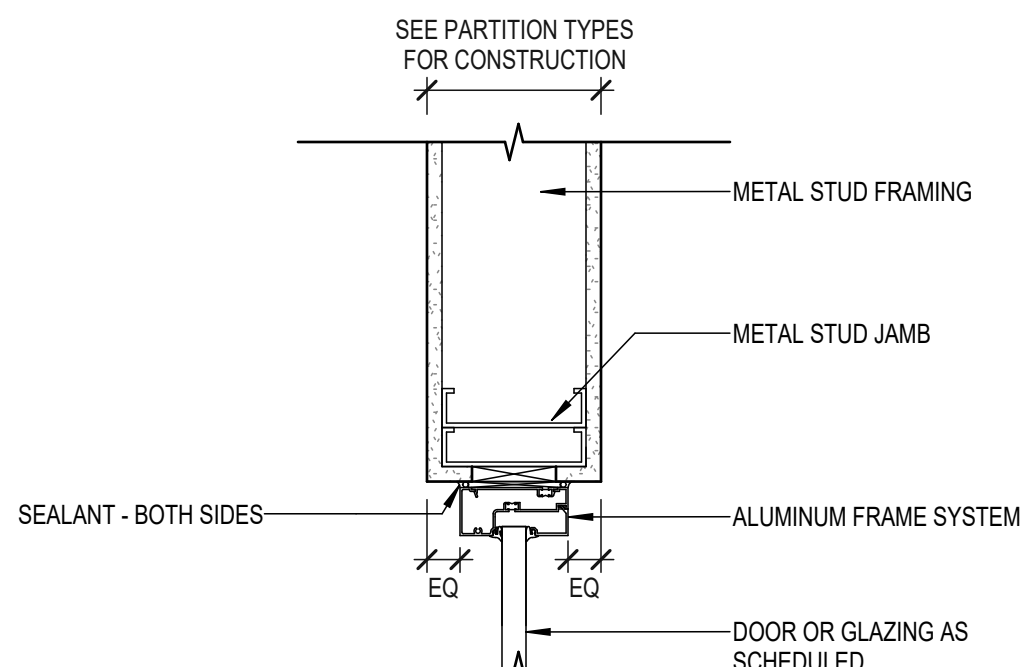
6H HEAD DTL - SF @ CMU / MCM

A602 SCALE: 1 1/2" = 1'-0"



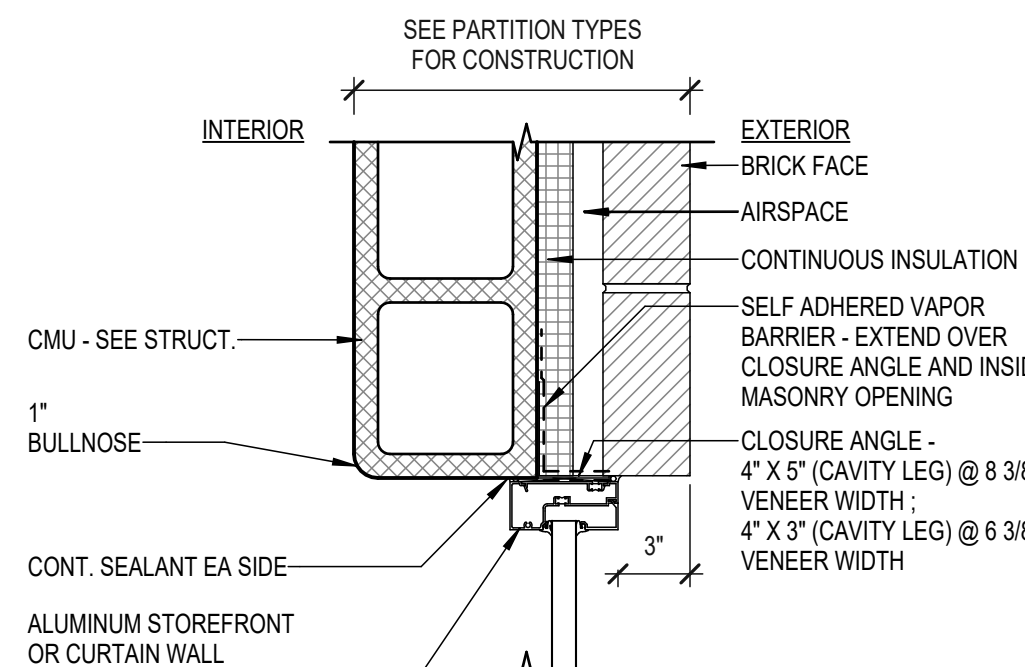
1J JAMB DETAIL - HM @ MTL STUD

A602 SCALE: 1 1/2" = 1'-0"



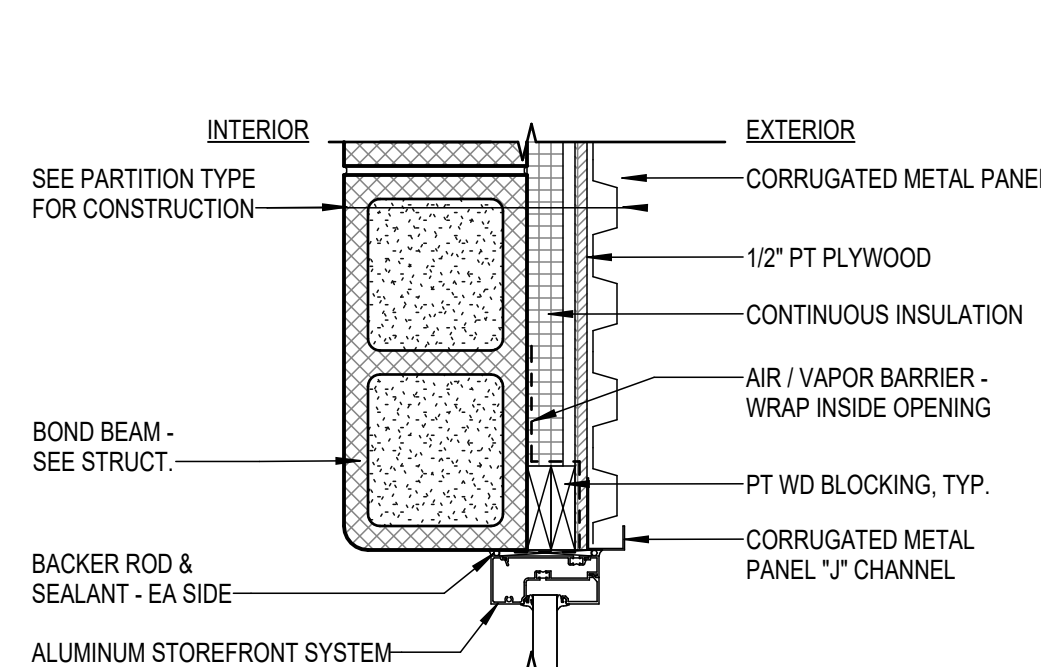
2J JAMB DETAIL - SF @ MTL STUD

A602 SCALE: 1 1/2" = 1'-0"



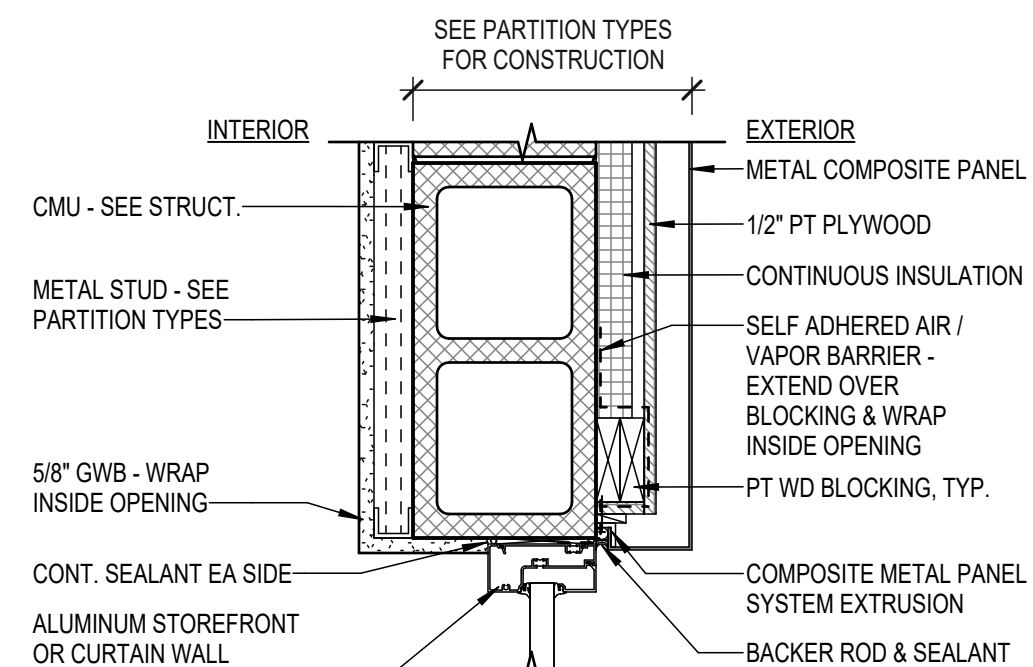
3J JAMB DTL - SF @ CMU / BRICK

A602 SCALE: 1 1/2" = 1'-0"



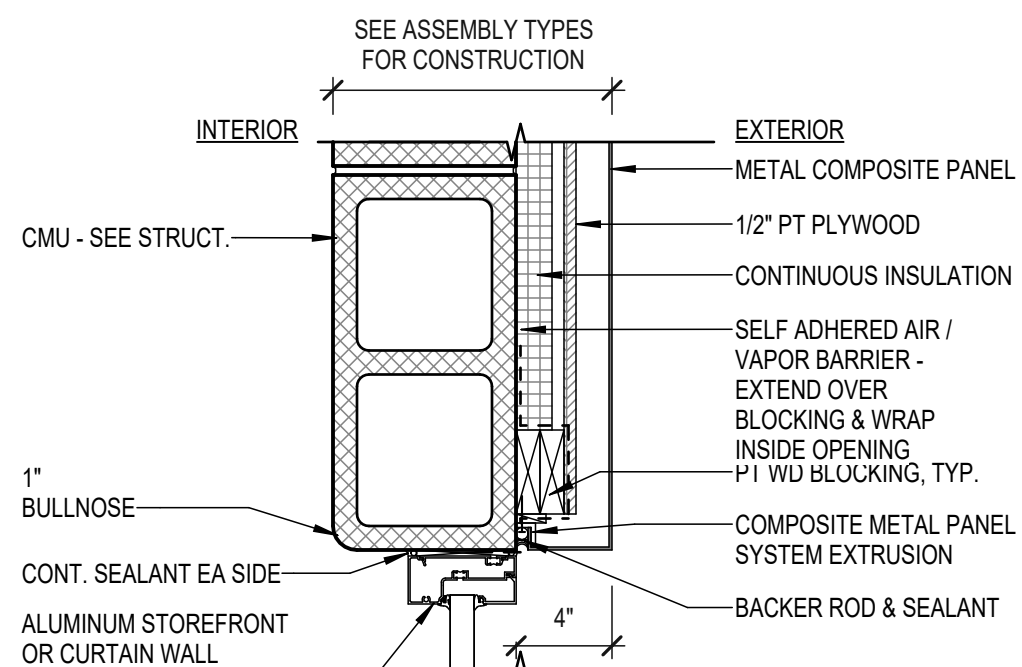
4J JAMB DTL - SF @ CMU / MTL

A602 SCALE: 1 1/2" = 1'-0"



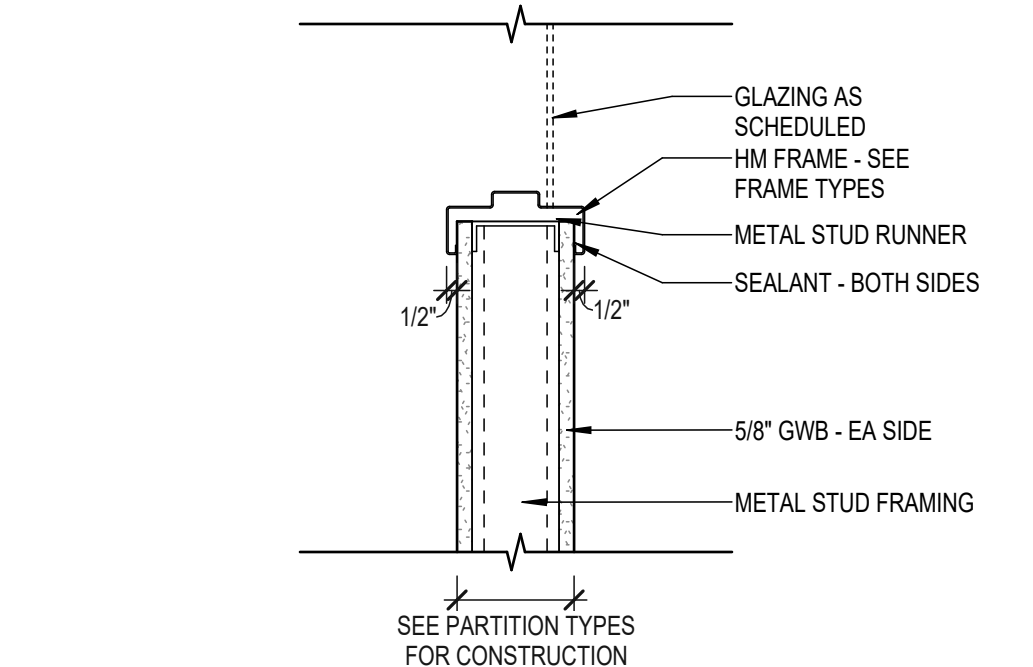
5J HEAD DTL - SF @ CMU / MCM

A602 SCALE: 1 1/2" = 1'-0"



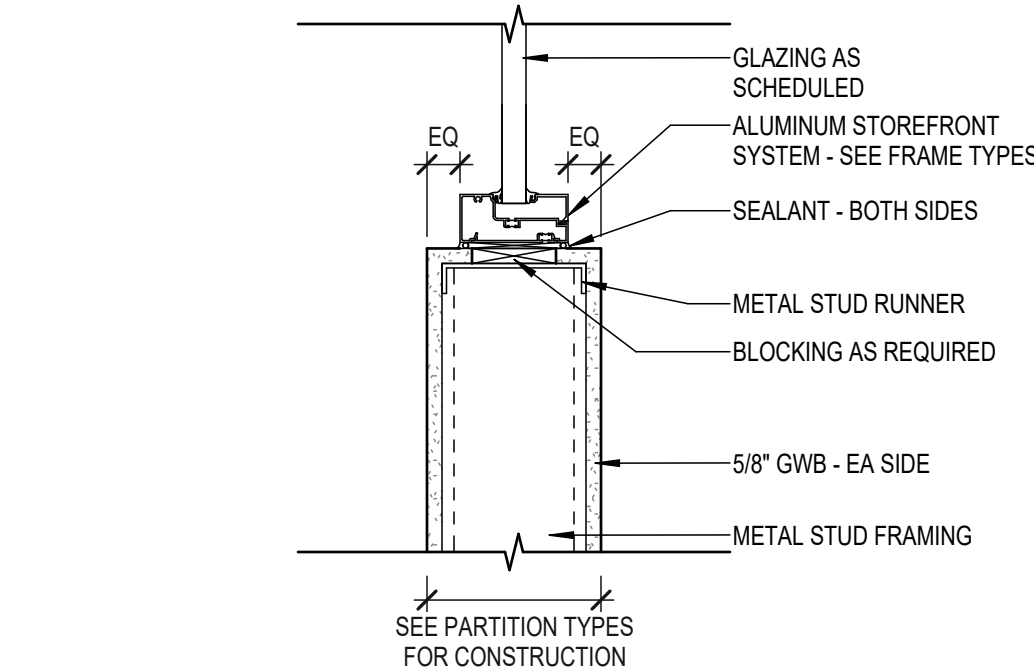
6J JAMB DTL - SF @ CMU / MCM

A602 SCALE: 1 1/2" = 1'-0"



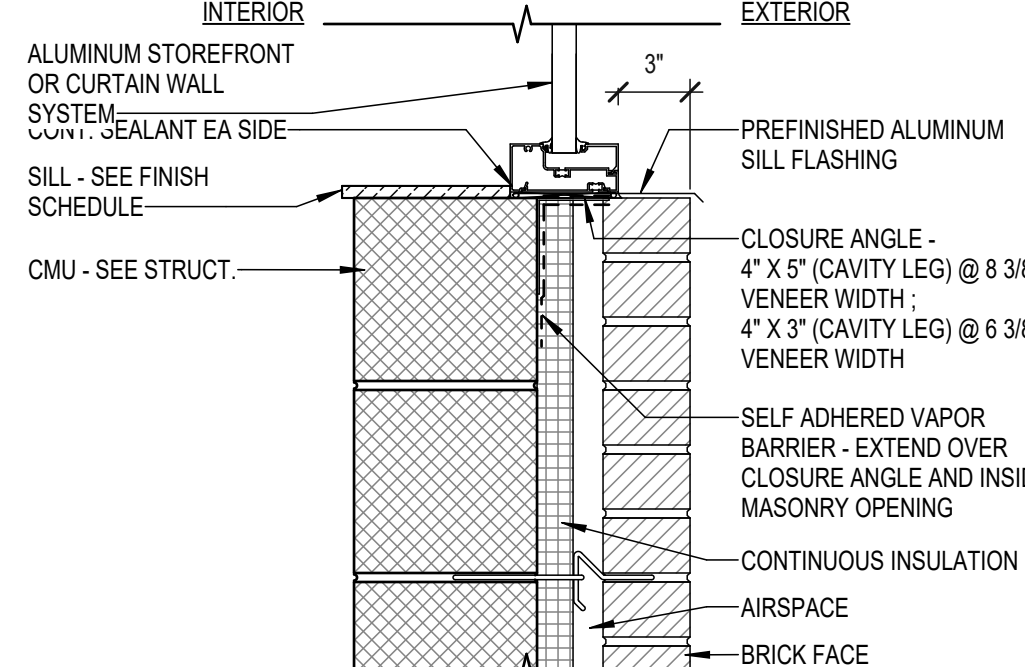
1S SILL DETAIL - HM @ MTL STUD

A602 SCALE: 1 1/2" = 1'-0"



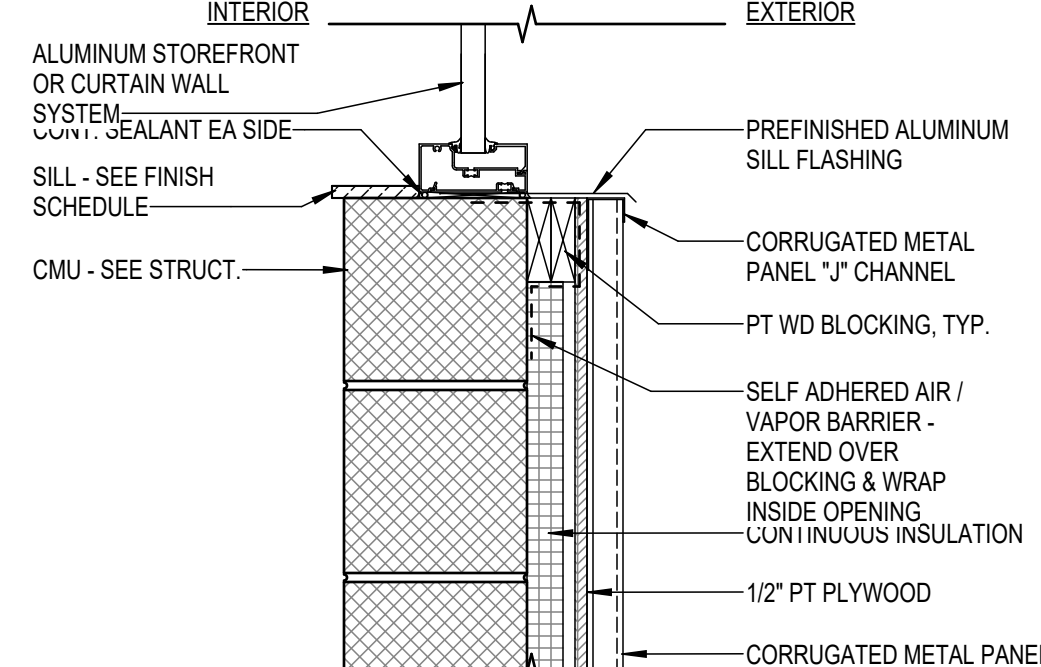
2S SILL DTL - SF @ MTL STUD

A602 SCALE: 1 1/2" = 1'-0"



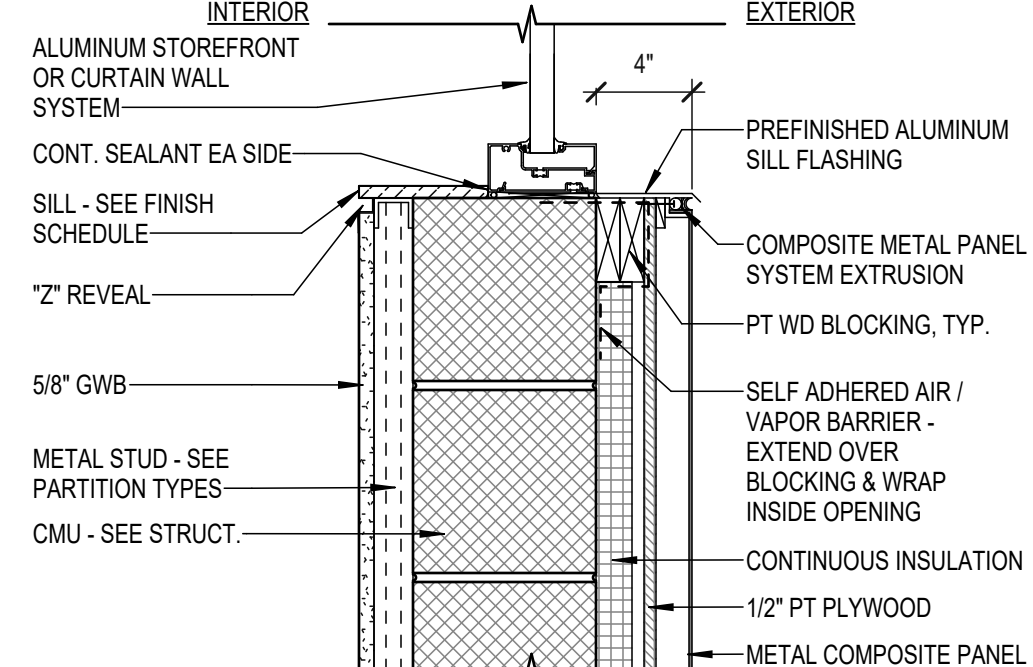
3S SILL DTL - SF @ CMU / BRICK

A602 SCALE: 1 1/2" = 1'-0"



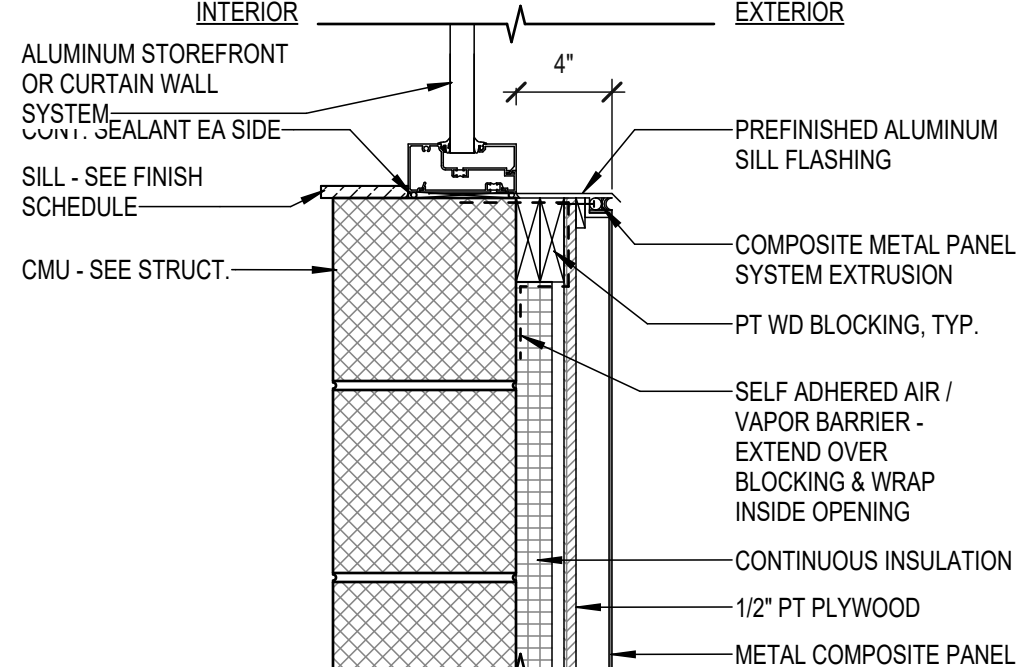
4S SILL DTL - SF @ CMU / MTL

A602 SCALE: 1 1/2" = 1'-0"



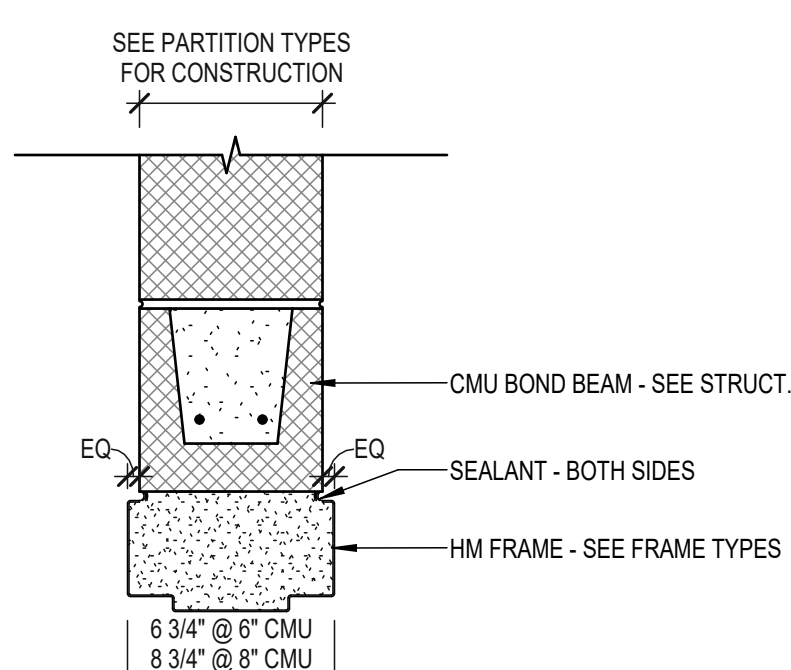
5S SILL DTL - SF @ CMU / MCM

A602 SCALE: 1 1/2" = 1'-0"
REF: A311



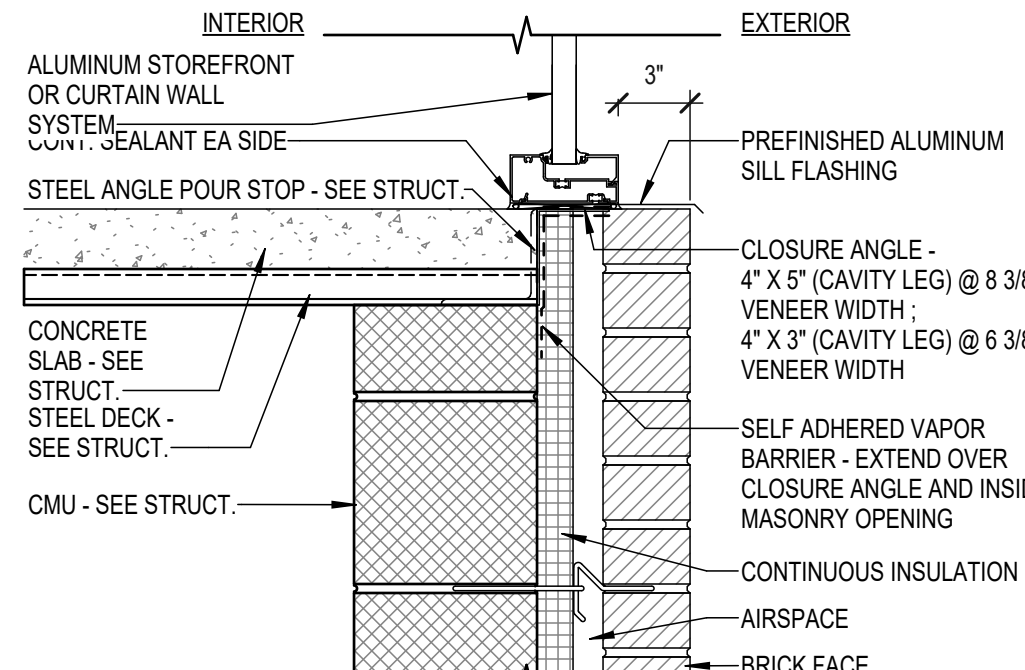
6S SILL DTL - SF @ CMU / MCM

A602 SCALE: 1 1/2" = 1'-0"



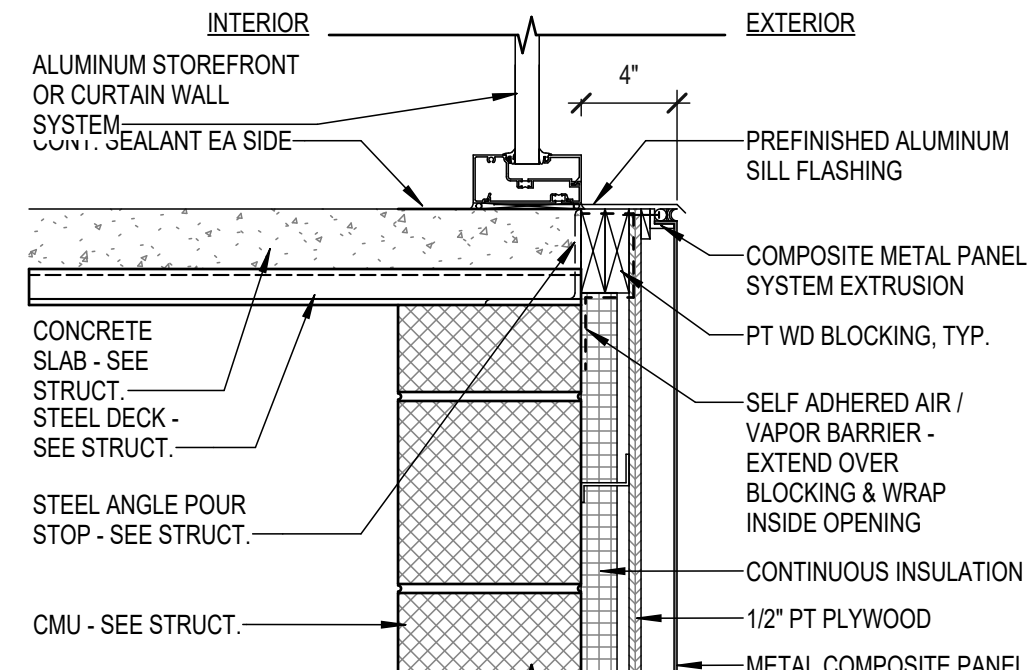
10H HEAD DETAIL - HM @ CMU

A602 SCALE: 1 1/2" = 1'-0"



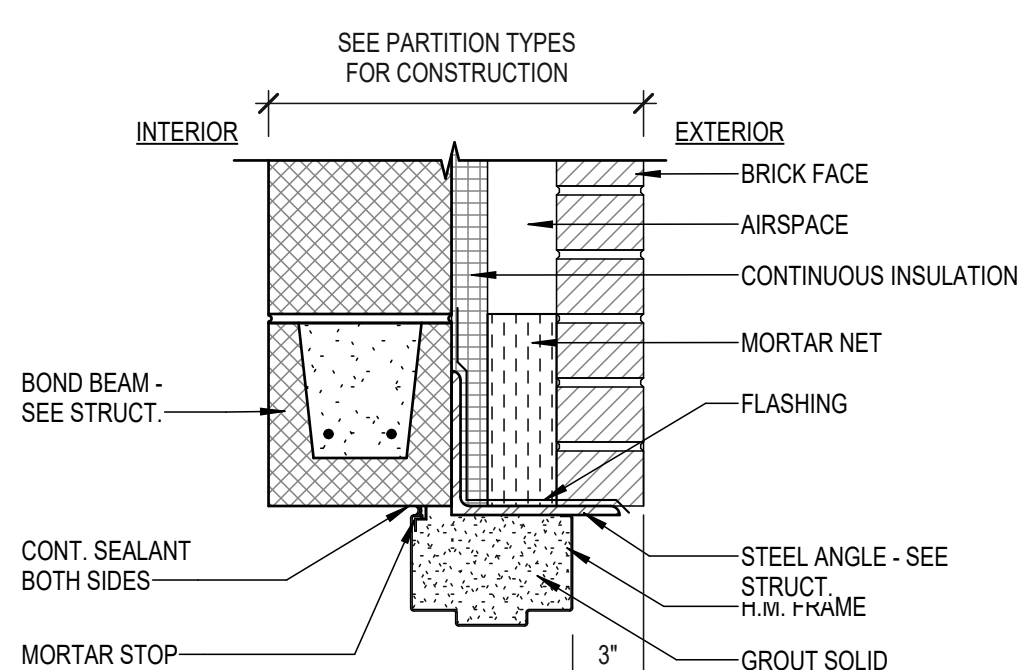
3S2 SILL DTL - SF @ CMU / BRICK

A602 SCALE: 1 1/2" = 1'-0"
REF: A312



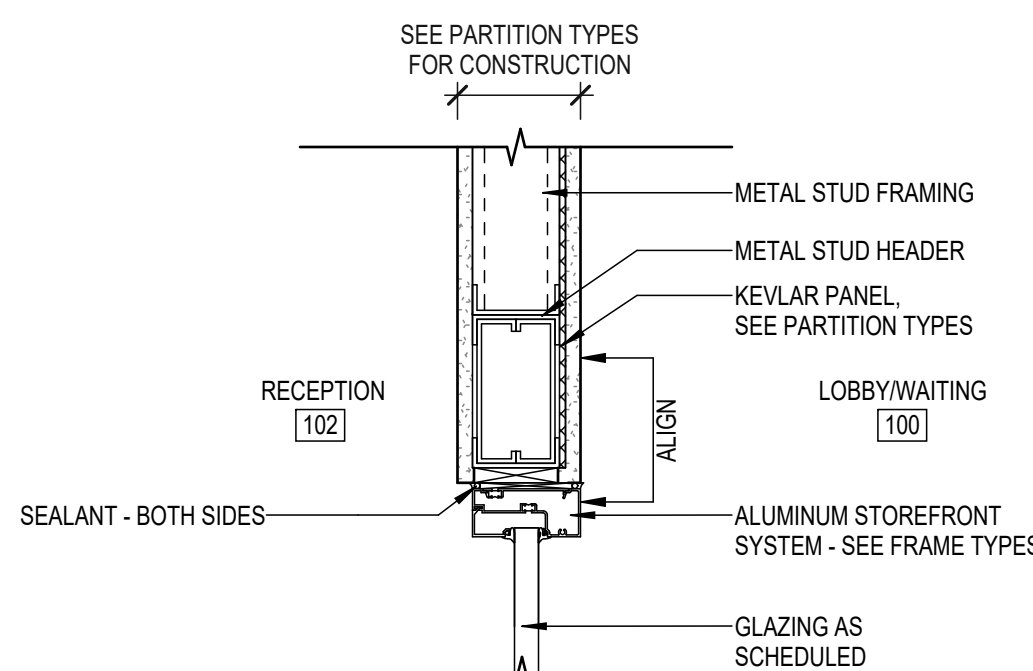
5S2 SILL DTL - SF @ CMU / MCM

A602 SCALE: 1 1/2" = 1'-0"
REF: A312



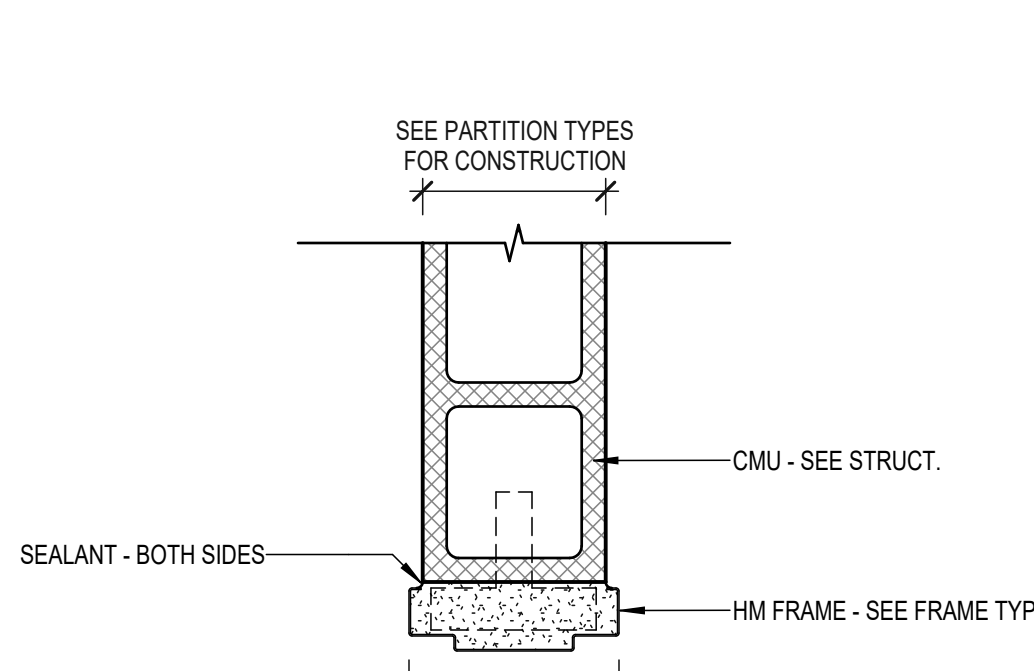
8H HEAD DTL - HM @ CMU / BRICK

A602 SCALE: 1 1/2" = 1'-0"



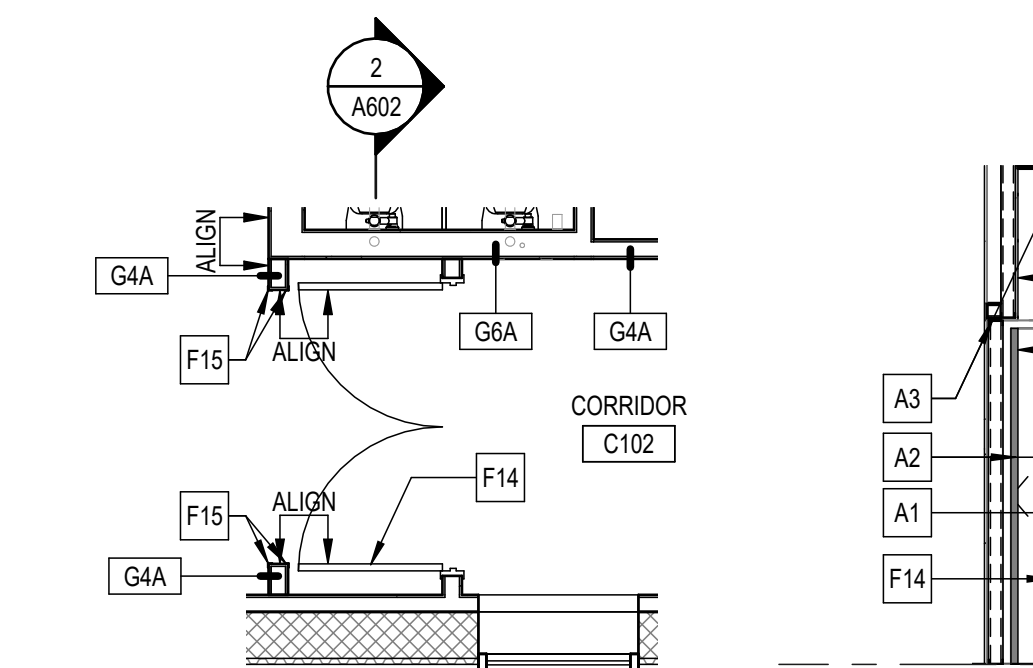
7H HEAD DTL - SF @ RECEPTION

A602 SCALE: 1 1/2" = 1'-0"



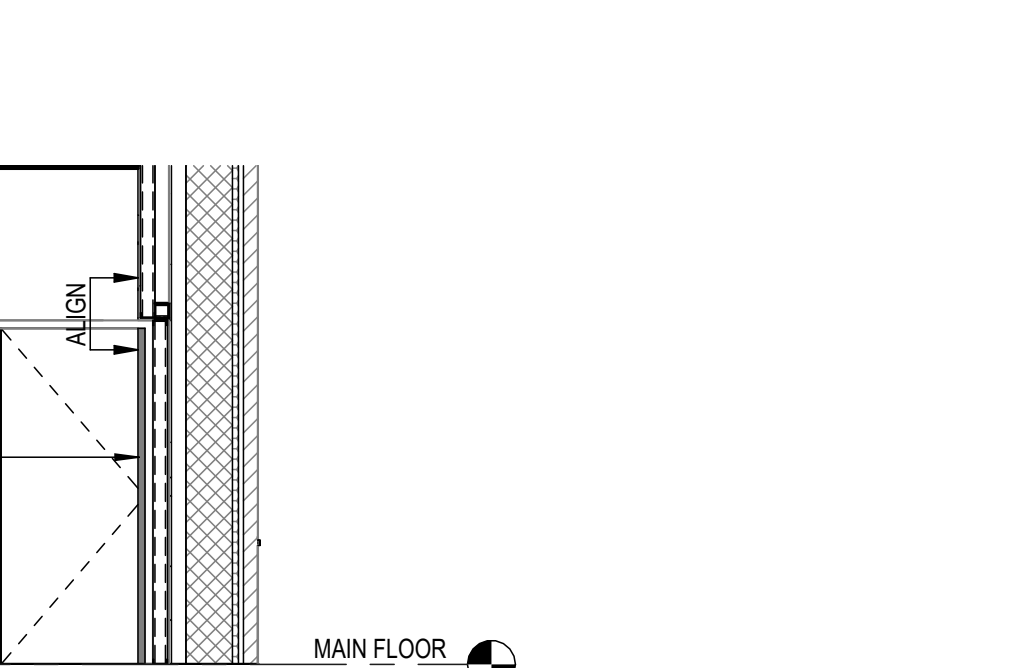
10J JAMB DETAIL - HM @ CMU

A602 SCALE: 1 1/2" = 1'-0"



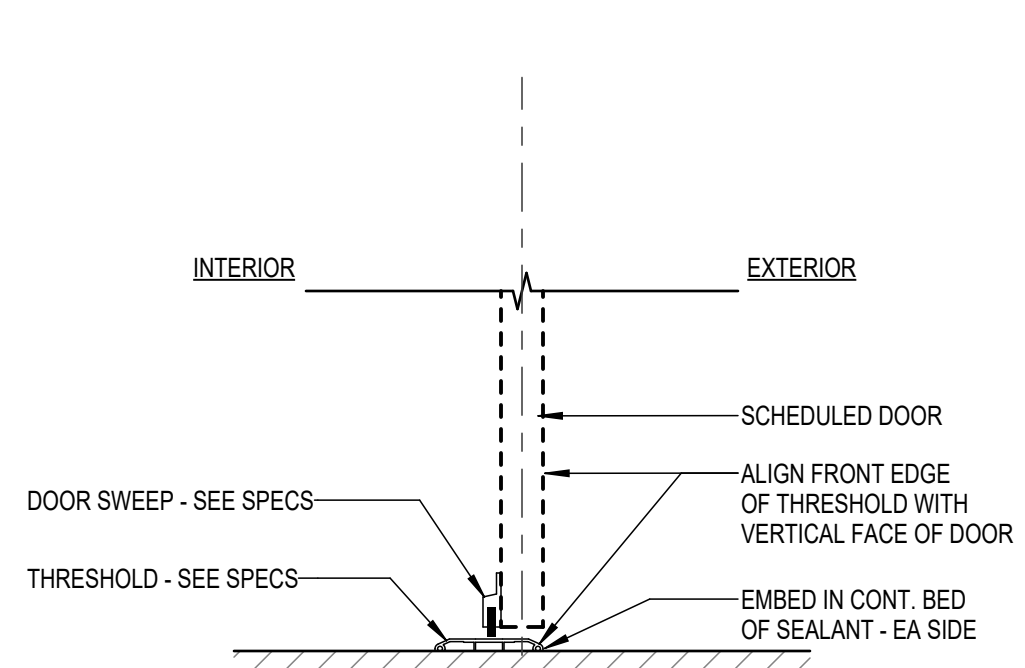
1 PLAN DETAIL

A602 SCALE: 1/4" = 1'-0"
REF: A102



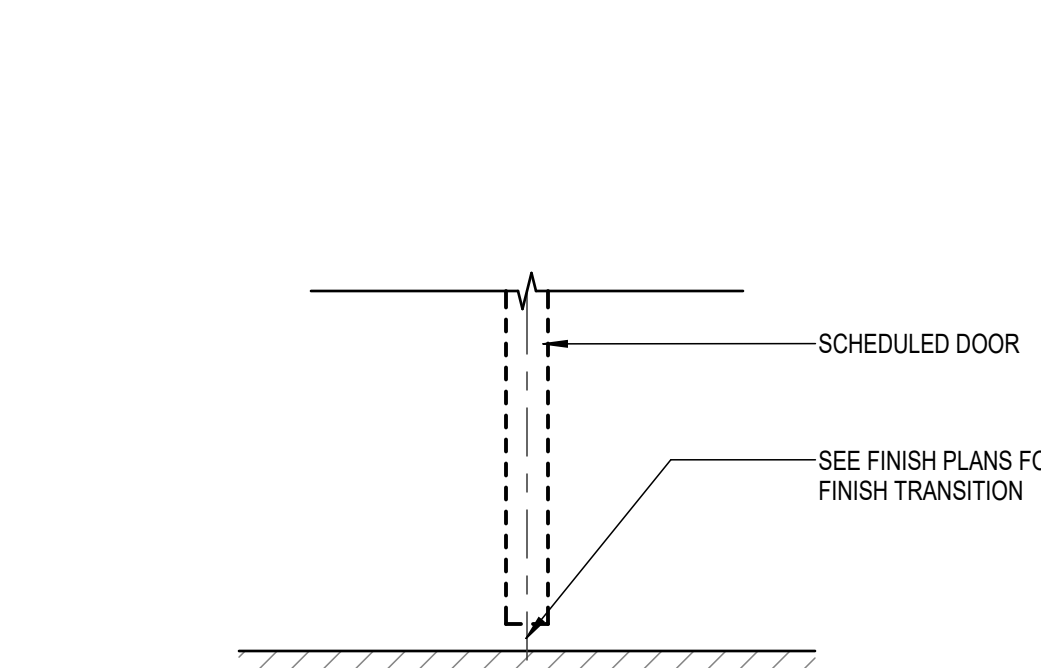
2 TYP. DOOR DETAIL @ HOLD OPENS

A602 SCALE: 1/4" = 1'-0"
REF: A602



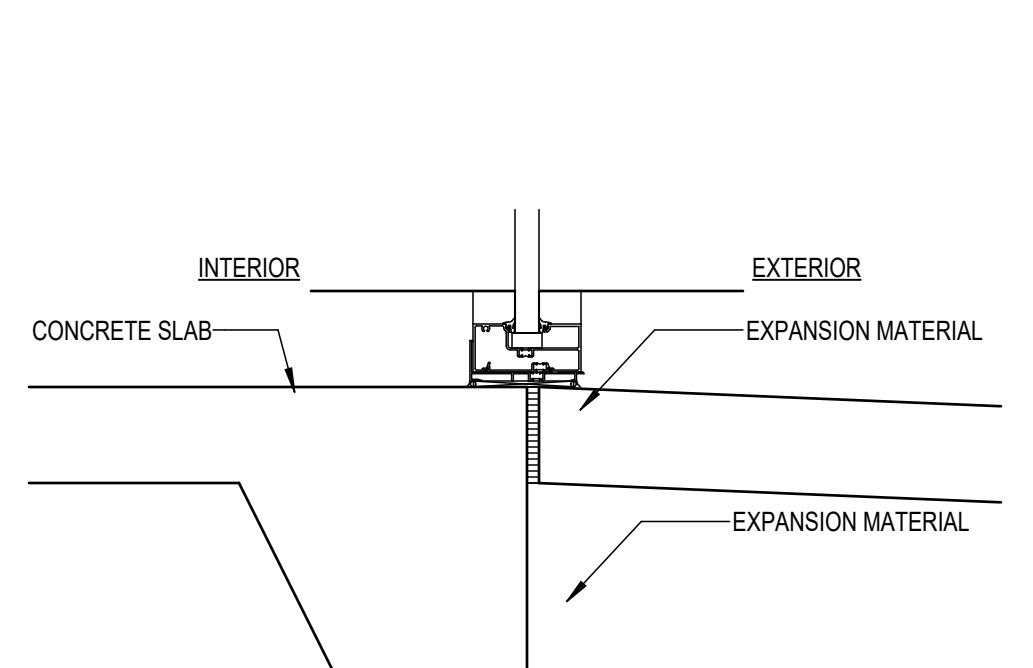
TH1 TYP. THRESHOLD

A602 SCALE: 1 1/2" = 1'-0"



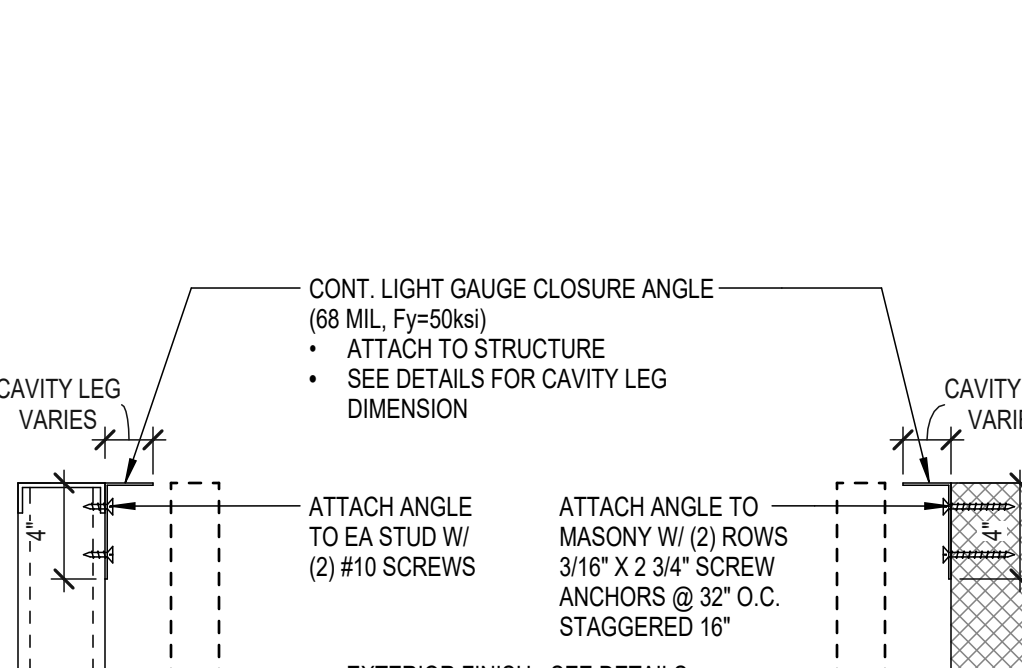
TH2 TYP. DOOR SILL DETAIL

A602 SCALE: 1 1/2" = 1'-0"



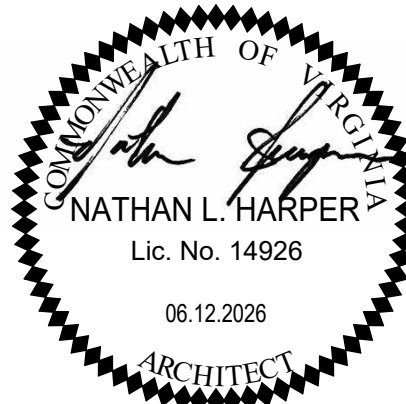
TH3 TYP. THRESHOLD

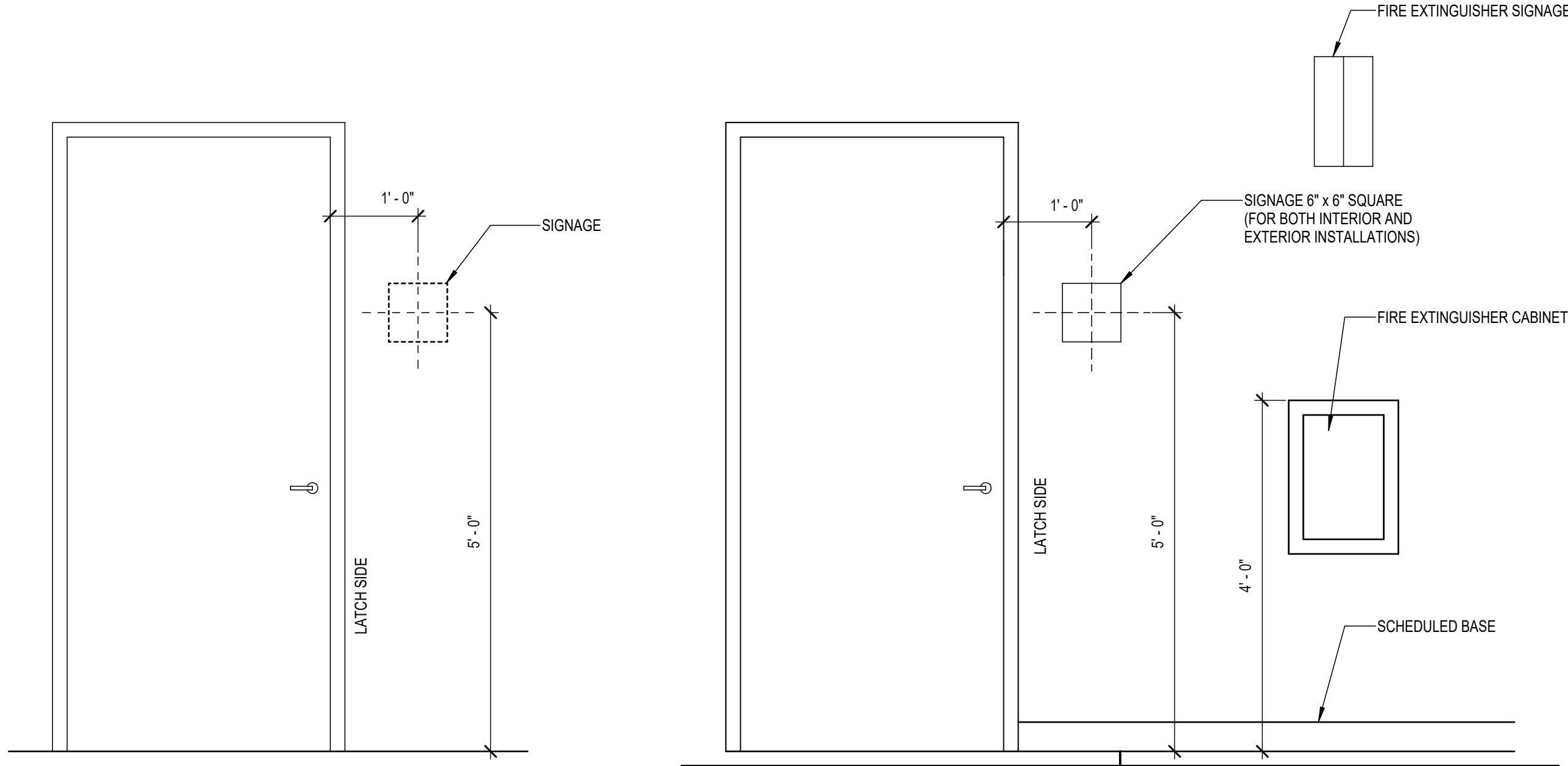
A602 SCALE: 1 1/2" = 1'-0"
REF: A311



TYP. CLOSURE ANGLE

N.T.S. SCALE: 1 1/2" = 1'-0"





TYPICAL SIGNAGE LOCATION

SCALE: 3/4" = 1'-0"

TYPICAL CORRIDOR SIGNAGE

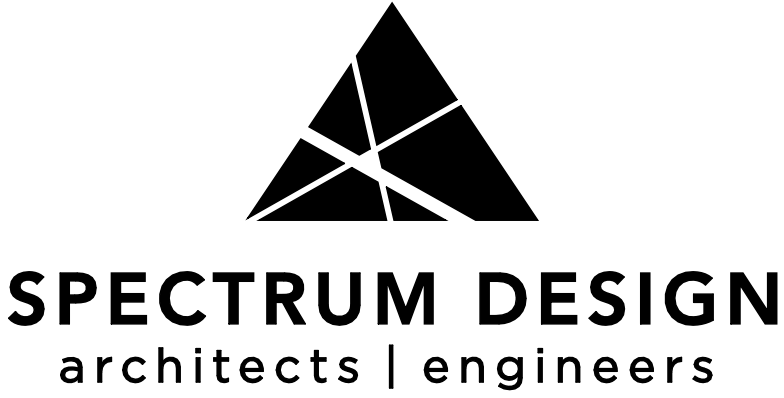
SCALE: 3/4" = 1'-0"

SIGNAGE SCHEDULE			
OPENING NO./ DOOR MARK	SIGNAGE		
	TYP E	ROOM NO.	VERBIAGE
LOWER FLOOR			
001	A		TBD
002	C		INTAKE VISITATION
003	C		TESTING
004	C		OBSERVATION
005	N		SHOWER
006	C		INTAKE VISITATION
007	C		COPY/WORK
008	B		OFFICE
009	B		OFFICE
010	B		OFFICE
011	B		OFFICE
012	B		OFFICE
013	B		OFFICE
014	B		OFFICE
015	B		OFFICE
016	B		OFFICE
017	B		OFFICE
018	B		OFFICE
019	B		OFFICE
020	C		STORAGE
021	B		OFFICE
022	C		FILING
023	B		OFFICE
024	C		CONFERENCE
024.1	C		CONFERENCE
025	B		OFFICE
027	B		OFFICE
028	B		OFFICE
029	B		OFFICE
030	B		OFFICE
031	B		OFFICE
032	B		OFFICE
033	B		OFFICE
034	B		OFFICE
035	B		OFFICE
036	B		OFFICE
037	C		FOOD PANTRY
038	B		OFFICE
039	C		CAR SEAT STORAGE
041	B		OFFICE
043	B		OFFICE
045	B		OFFICE
047	B		OFFICE
049	C		FILING
051	C		CONFERENCE
053	C		STORAGE
BB732	H		ELEVATOR
C010	A		TBD
C010.1	A		TBD
C011	A		EXIT
C011.1	A		EXIT
C012	A		TBD
C013	A		EXIT
C013.1	A		EXIT
C015	A		EXIT
C015.1	A		EXIT
E001	C		ITELECTRICAL
J001	C		JANITOR
S002	J		STAIRS
S002.1	A		EXIT
T001	F		RESTROOM
T002	F		RESTROOM
T003	C		TEST TOILET
T013	F		RESTROOM

SIGNAGE SCHEDULE			
OPENING NO./ DOOR MARK	SIGNAGE		
	TYP E	ROOM NO.	VERBIAGE
MAIN FLOOR			
T014	F		RESTROOM
T015	F		RESTROOM
V001	A		ELEVATOR EQUIPMENT
100	A		TBD
102	C		RECEPTION
103	B		OFFICE
104	C		ITELECTRICAL
105	C		COPY/WORK
106	B		OFFICE
107	B		OFFICE
108	B		OFFICE
109	B		SUPRV. OFFICE
110	B		OFFICE
111	B		OFFICE
112	B		OFFICE
113	B		OFFICE
114	B		OFFICE
115	B		SUPRV. OFFICE
116	B		OFFICE
117	B		SUPRV. OFFICE
118	B		OFFICE
119	B		OFFICE
120	B		OFFICE
121	B		OFFICE
122	B		OFFICE
123	B		OFFICE
124	B		OFFICE
125	C		BREAK ROOM
125.1	C		BREAK ROOM
125.2	A		PORCH
125.3	A		PORCH
126	B		OFFICE
127	B		OFFICE
128	B		OFFICE
129	B		OFFICE
130	B		OFFICE
131	B		OFFICE
132	B		OFFICE
133	B		SUPRV. OFFICE
134	B		OFFICE
135	B		SUPRV. OFFICE
136	B		OFFICE
137	B		OFFICE
138	B		OFFICE
139	B		OFFICE
140	B		OFFICE
141	B		SUPRV. OFFICE
142	B		OFFICE
143	B		OFFICE
144	B		OFFICE
145	B		OFFICE
146	B		OFFICE
147	B		SUPRV. OFFICE
148	L		LACTATION
149	C		INTERN OFFICE
150	C		CATERING
150.1	C		CATERING
151	M		TRAINING
151.1	M		TRAINING
151.2	M		TRAINING
151.3	C		CHAIR STORAGE
151.4	A		EXIT
151.5	A		EXIT
151.6	A		EXIT
151A	C		CHAIR STORAGE
151B	C		CLOSET

SIGNAGE SCHEDULE			
OPENING NO./ DOOR MARK	SIGNAGE		
	TYP E	ROOM NO.	VERBIAGE
UPPER FLOOR			
BB724	M		TRAINING
BB725	C		CHAIR STORAGE
BB736	H		ELEVATOR
C100	A		EXIT
C100.1	A		EXIT
C101.1	C		CLOSET
C101.2	C		CLOSET
C101.3	C		CLOSET
C101.4	C		CLOSET
C103	A		EXIT
C103.1	A		EXIT
C104	A		TBD
J100	C		JANITOR
M010			
S102	J		STAIRS
T100	F		RESTROOM
T101	F		RESTROOM
T102	D		WOMENS
T103	E		MENS
T104	F		RESTROOM
T105	F		RESTROOM
T106	F		RESTROOM
200	A		EXIT
201	C		CONFERENCE
201.1	C		CONFERENCE
202	C		CLASSROOM
204	C		ITELECTRICAL
205	B		OFFICE
206	B		OFFICE
207	B		SUPRV. OFFICE
208	B		OFFICE
209	B		OFFICE
210	B		OFFICE
211	B		OFFICE
212	B		OFFICE
213	B		SUPRV. OFFICE
214	B		OFFICE
215	B		SUPRV. OFFICE
216	B		OFFICE
217	B		OFFICE
218	B		OFFICE
219	B		OFFICE
220	B		OFFICE
221	B		OFFICE
222	B		OFFICE
223	B		OFFICE
224	B		OFFICE
225	B		OFFICE
226	B		OFFICE
227	B		SUPRV. OFFICE
228	B		OFFICE
229	B		SUPRV. OFFICE
230	B		OFFICE
231	B		OFFICE
232	B		OFFICE
233	B		OFFICE
234	B		OFFICE
235	B		OFFICE
236	B		OFFICE
237	B		OFFICE
238	B		OFFICE
239	B		SUPRV. OFFICE
240	B		OFFICE
241	B		SUPRV. OFFICE
242	B		OFFICE
243	B		OFFICE
244	B		OFFICE

SIGNAGE SCHEDULE			
OPENING NO./ DOOR MARK	SIGNAGE		
	TYP E	ROOM NO.	VERBIAGE
245	B		OFFICE
246	B		OFFICE
247	B		OFFICE
248	B		OFFICE
249	B		OFFICE
250	B		OFFICE
251	B		OFFICE
252	B		OFFICE
253	B		OFFICE
254	C		LOCKED FILE STORAGE
255	B		SUPRV. OFFICE
257	B		OFFICE
258	B		OFFICE
259	C		STORAGE
266	B		OFFICE
267	B		OFFICE
268	B		OFFICE
269	B		OFFICE
270	B		OFFICE
C105	H		ELEVATOR
C201.1	C		CLOSET
J200	C		JANITOR
M201	C		MECHANICAL
S202	J		STAIRS
T200	F		TOILET
T201	F.1		TOILET
T202	F		TOILET
T203	F.1		TOILET
T205	F		TOILET
T206	F		TOILET



Plaza Suite 1
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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.:24112



PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

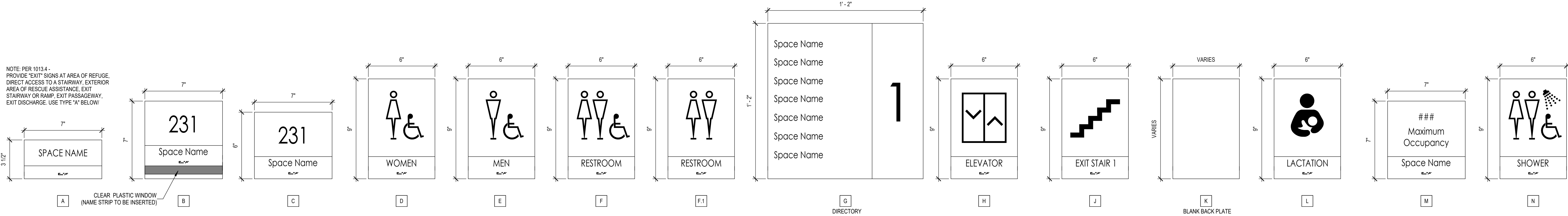
SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

SHEET REVISIONS:



SIGNAGE TYPES - INTERIOR (NEW)

SCALE: 3" = 1'-0"

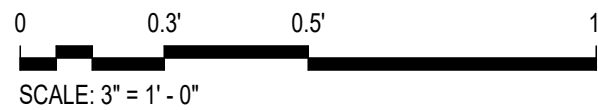


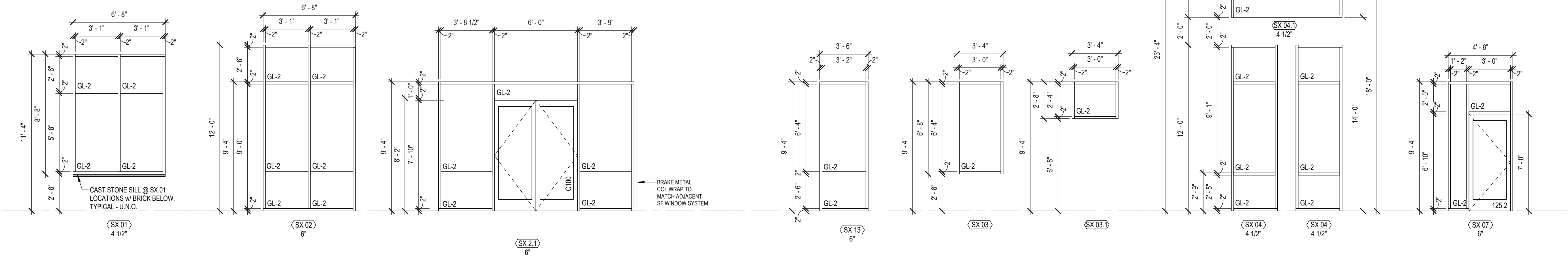
SHEET NAME:

SIGNAGE DETAILS

SHEET NUMBER:

A603





FRAMED OPENINGS INDICATOR

— FRAME TYPE — C/W = CURTAIN WALL
SF XX — FRAME NO. LVR = LOUVER
XX — FRAME DEPTH HM = HOLLOW METAL
SF = STOREFRONT (INTERIOR)
SX = STOREFRONT (EXTERIOR)
WN = WINDOW

GLAZING / PANEL LEGEND

GL-1 = 1/4" CLEAR
GL-2 = 1" INSULATED
GL-3 = 1" INSULATED SPANDREL
GL-4 = 1" INSULATED W/ FROSTED FILM
GL-5 = 1/4" ONE WAY MIRROR GLASS
GL-6 = 1" INSULATED W/ SAFETY FILM
IP = INSULATED METAL PANEL

FRAMED OPENINGS GENERAL NOTES

GN-1: CONTRACTOR TO PROVIDE STOREFRONT AND CURTAIN WALL MANUFACTURER'S PREFORMED SUB-SILL, BASE FLASHINGS, AND END DAMS, TYPICAL.

GN-2: DIMENSIONS SHOWN ARE NOMINAL AND PROVIDED FOR DESIGN INTENT. CONTRACTOR TO FIELD VERIFY ROUGH OPENINGS, AND ACCOUNT FOR JOINTS, SHIMS, SEALANT, ETC.

GN-3: EXTERIOR FRAMES ARE VIEWED FROM EXTERIOR OF BUILDING. INTERIOR WINDOW FRAMES ARE VIEWED FROM EXTERIOR OF ROOM, U.N.O.

GN-4: SOME FRAME TYPES ARE REPEATED. SEE FLOOR PLANS AND ELEVATIONS FOR LOCATIONS AND QUANTITIES.

GN-5: JOINTS SHOWN IN ELEVATION BETWEEN STOREFRONT MEMBERS ARE NOT INTENDED TO SHOW ACTUAL JOINT LOCATIONS.

GN-6: DEPTH OF STOREFRONT FRAMES TO BE 4 1/2" U.N.O.

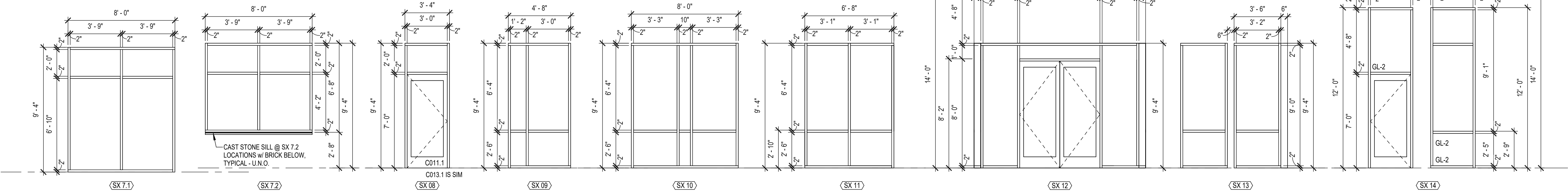
GN-7: ALL GLAZING IN INTERIOR FRAMES SHALL BE TYPE GL-1, U.N.O.

GN-8: ALL GLAZING IN EXTERIOR FRAMES SHALL BE TYPE GL-2, U.N.O.

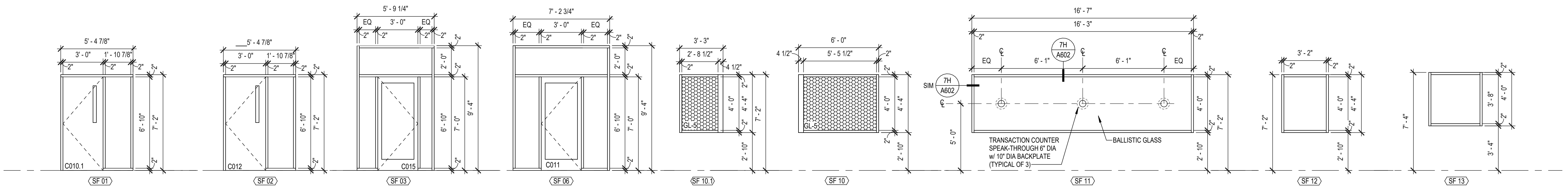
GN-10: GLAZE ALL OPENINGS IN FRAMES, U.N.O.

GN-11: ALL GLAZING SHALL BE SAFETY GLASS, U.N.O.

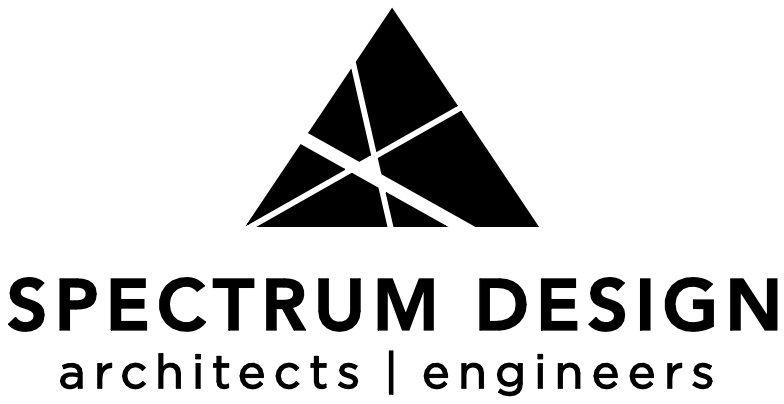
☒ **SHEET KEYNOTES**



EXTERIOR STOREFRONT WINDOW ELEVATIONS
SCALE: 1/4" = 1'-0"



INTERIOR STOREFRONT WINDOW ELEVATIONS
SCALE: 1/4" = 1'-0"



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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.:24112

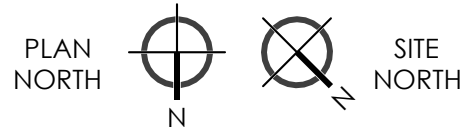


PROJ. MGR.: CHECKED BY: DRAWN BY:
JM NLH MCA, TLR, LAC

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

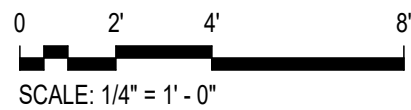
SHEET REVISIONS:



SHEET NAME:
STOREFRONT, CURTAINWALL, & WINDOW ELEVATIONS

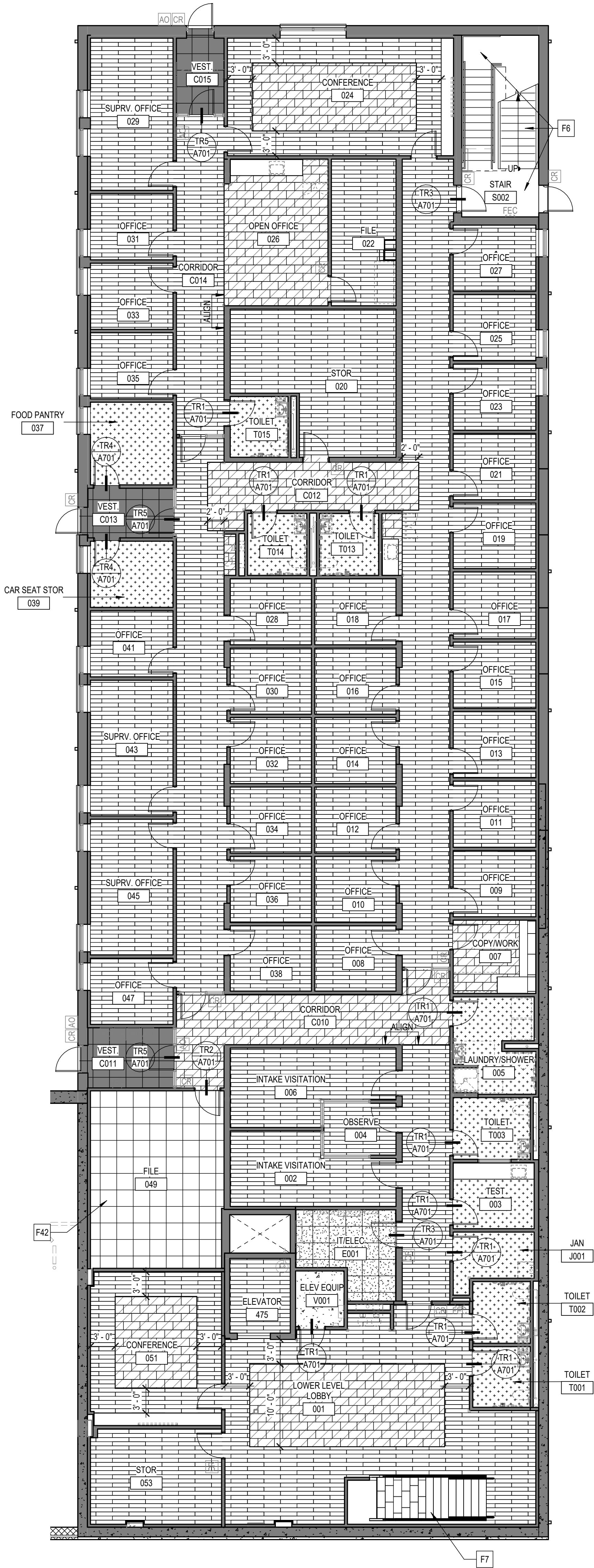
SHEET NUMBER:

A611



ROOM FINISH SCHEDULE									
ROOM NO.	ROOM NAME	FLOOR FINISH	WALL		CEILING		REMARKS		
			BASE	FINISH	MATERIAL	FINISH			
LOWER FLOOR									
001	LOWER LEVEL LOBBY	LVT-1/LVT-2"	WB-1	PNT-1/C T-2"	ACP-1/GWB***	-PNT-CLG	*SEE FLOOR FINISH PLANS **SEE WALL FINISH PLANS ***SEE RCP		
002	INTAKE VISITATION	LVT-1	WB-1	PNT-2	ACP-1	-			
003	TEST	RES-1	RES-1	PNT-2	GW B	PNT-CLG	*EPOXY PAINT - SEE SPECS		
004	OBSERVE	LVT-1	WB-1	PNT-1	ACP-1	-	*EPOXY PAINT - SEE SPECS		
005	LAUNDRY/SHOWER	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	*EPOXY PAINT - SEE SPECS		
006	INTAKE VISITATION	LVT-1	WB-1	PNT-2	ACP-1	-			
007	COPY/WORK	LVT-2	WB-1	PNT-1	ACP-1	-			
008	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
009	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
010	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
011	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
012	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
013	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
014	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
015	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
016	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
017	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
018	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
019	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
020	STOR	LVT-1	WB-1	PNT-1	ACP-1	-			
021	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
022	FILE	LVT-1	WB-1	PNT-1	ACP-1	-			
023	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
024	CONFERENCE	LVT-1/LVT-2"	WB-1	PNT**	ACP-1	-	*SEE FLOOR FINISH PLANS **SEE WALL FINISH PLANS		
025	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
026	OPEN OFFICE	LVT-2	WB-1	PNT**	VARIES*	VARIES*	*SEE RCP **SEE WALL FINISH PLAN		
027	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
028	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
029	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
030	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
031	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
032	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
033	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
034	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
035	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
036	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
037	FOOD PANTRY	RES-1	RES-1	PNT-1	ACP-1	-			
038	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
039	CAR SEAT STOR	RES-1	RES-1	PNT-1	ACP-1	-			
041	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
043	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
045	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
047	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
049	FILE	CPT-1	WB-1	PNT-1	ACP-1	-			
051	CONFERENCE	LVT-1/LVT-2"	WB-1	PNT**	ACP-1	-	*SEE FLOOR FINISH PLANS **SEE WALL FINISH PLANS		
063	STOR	LVT-1	WB-1	PNT-1	ACP-1	-			
475	ELEVATOR	LVT-1	-	SEE SEE SPECS	SEE SPECS	-	SEE ELEVATOR SPEC FOR ADDITIONAL INFORMATION		
C010	CORRIDOR	LVT-1/LVT-2"	WB-1	PNT**	ACP-1	-	*SEE FLOOR FINISH PLANS **SEE WALL FINISH PLANS		
C011	VEST.	CPT-WM	WB-1	PNT-1	ACP-1	-			
C012	CORRIDOR	LVT-1/LVT-2"	WB-1	PNT**	ACP-1	-	*SEE FLOOR FINISH PLANS **SEE WALL FINISH PLANS		
C013	VEST.	CPT-WM	WB-1	PNT-1	ACP-1	-			
C014	CORRIDOR	LVT-1	WB-1	PNT*	ACP-1	-	*SEE WALL FINISH PLAN		
C015	VEST.	CPT-WM	WB-1	PNT-1	ACP-1	-			
E001	I/ELEC	SDT-1"	WB-1	PNT-1	EXPOSED STRUCT	PNT-STR	*COORD. W. / ELEC-SEE ELEC DWGS		
J001	JAN	RES-1	RES-1	PNT-2/C T-3"	ACP-2	-	*SEE WALL FINISH PLAN EPOXY PAINT - SEE SPECS		
S002	STAIR	RUB-1	WB-1	PNT-1	GW B	PNT			
T001	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	*EPOXY PAINT - SEE SPECS		
T002	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	*EPOXY PAINT - SEE SPECS		
T003	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	*EPOXY PAINT - SEE SPECS		
T013	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	*EPOXY PAINT - SEE SPECS		
T014	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	*EPOXY PAINT - SEE SPECS		
T015	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	*EPOXY PAINT - SEE SPECS		
V001	ELEV EQUIP	SC-1	WB-1	PNT-1	EXPOSED STRUCT	PNT-STR			
MAIN FLOOR									
101	CONNECTOR	LVT-1	WB-1	PNT-1	ACP-1	-	*SEE RCP		
102	RECEPTION	LVT-1	WB-1	PNT-1	ACP-1/GWB*	-PNT-CLG			
103	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
104	I/ELEC	SDT-1"	WB-1	PNT-1	EXPOSED STRUCT	PNT-STR	*COORD. W. / ELEC-SEE ELEC DWGS		
105	COPY/WORK	LVT-2	WB-1	PNT-1	ACP-1	-			
106	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
107	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
108	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
109	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
110	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
111	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
112	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
113	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
114	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
115	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
116	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
117	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			
118	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-			

ROOM FINISH SCHEDULE							
ROOM NO.	ROOM NAME	FLOOR FINISH	WALL		CEILING		REMARKS
			BASE	FINISH	MATERIAL	FINISH	
119	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
120	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
121	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
122	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
123	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
124	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
125	BREAK ROOM	LVT-2	WB-1	PNT-1/C T-1"	ACP-1/GWB"	-PNT-CLG	"SEE WALL FINISH PLAN "SEE RCP
126	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
127	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
128	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
129	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
130	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
131	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
132	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
133	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
134	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
135	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
136	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
137	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
138	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
139	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
140	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
141	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
142	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
143	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
144	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
145	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
146	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
147	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
148	LACTATION	LVT-1	WB-1	PNT-2	ACP-1	-	
149	INTERV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
150	CATERING	RES-1	RES-1	PNT-2"	ACP-1/GWB"	-PNT-CLG	"SEE RCP "EPOXY PAINT - SEE SPECS
151A	CHAIR STOR.	LVT-1	WB-1	PNT-1	EXPOSED STRUCT	PNT-STR	
151B	CLOSET	CPT-1	WB-1	PNT-1	ACP-1	-	
229	PORCH	TBD	-	-	-	-	
476	ELEVATOR	LVT-1	-	SEE SPECS	SEE SPECS	SEE SPECS	SEE ELEVATOR SPEC FOR ADDITIONAL INFORMATION
C100	VEST.	CPT-WM	-	-	GW B	PNT-CLG	
C101	CORRIDOR	LVT-1/LVT-2	WB-1	PNT-1/C T-1"	ACP-1/GWB"	VARIES*	"SEE FLOOR FINISH PLANS "SEE WALL FINISH PLANS "SEE RCP
C101.1	CLOSET	LVT-2	WB-1	PNT-1	ACP-1	-	
C101.2	CLOSET	LVT-2	WB-1	PNT-1	ACP-1	-	
C101.3	CLOSET	LVT-2	WB-1	PNT-1	ACP-1	-	
C101.4	CLOSET	LVT-2	WB-1	PNT-1	ACP-1	-	
C102	CORRIDOR	LVT-1	WB-1	PNT-1	VARIES*	VARIES*	"SEE RCP
C103	VEST.	CPT-WM	-	-	GW B	PNT-CLG	
J100	JAN	RES-1	RES-1	PNT-2/C T-3"	ACP-2	-	"SEE WALL FINISH PLAN EPOXY PAINT - SEE SPECS
M10	UTILITIES	SC-1	-	EXPOSED	PNT-STR	EXPOSED STRUCT	
S102	STAIR	RUB-1	WB-1	PNT-1	GW B	PNT-CLG	
T100	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	"EPOXY PAINT - SEE SPECS
T101	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	"EPOXY PAINT - SEE SPECS
T102	WOMEN	RES-1	RES-1	PNT-2"	ACP-2	-	"EPOXY PAINT - SEE SPECS
T103	MEN	RES-1	RES-1	PNT-2"	ACP-2	-	"EPOXY PAINT - SEE SPECS
T104	TOILET	RES-1	RES-1	PNT-2"	ACP-2	-	"EPOXY PAINT - SEE SPECS
T105	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	"EPOXY PAINT - SEE SPECS
T106	TOILET	RES-1	RES-1	PNT-2"	GW B	PNT-CLG	"EPOXY PAINT - SEE SPECS
UPPER FLOOR							
200	UPPER LOBBY	LVT-1	WB-1	PNT-1	ACP-1	-	
201	CONFERENCE	LVT-1	WB-1	PNT"	ACP-1	-	"SEE WALL FINISH PLAN
202	CLASSROOM	LVT-1	WB-1	PNT-1	ACP-1	-	
203	BREAK ROOM	LVT-2	WB-1	PNT"	ACP-1/GWB"	-PNT	"SEE WALL FINISH PLAN "SEE RCP
204	IT/ELEC	SDT-1"	WB-1	PNT-1	GW B	-	"COORD. W. / ELEC. SEE ELEC DWGS
205	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
206	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
207	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
208	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
209	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
210	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
211	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
212	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
213	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
214	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
215	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
216	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
217	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
218	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
219	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
220	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
221	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
222	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
223	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
224	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
225	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
226	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
227	SUPRV. OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
228	OFFICE	LVT-1	WB-1	PNT-1	ACP-1	-	
229	DIRECTOR	LVT-1	WB-1	PNT-1	ACP-1	-	



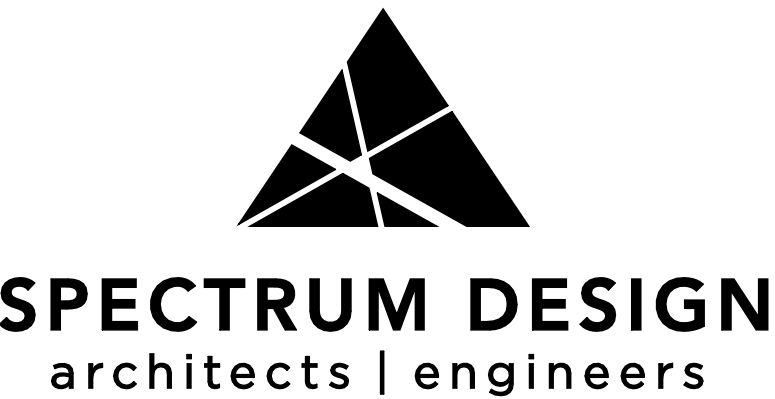
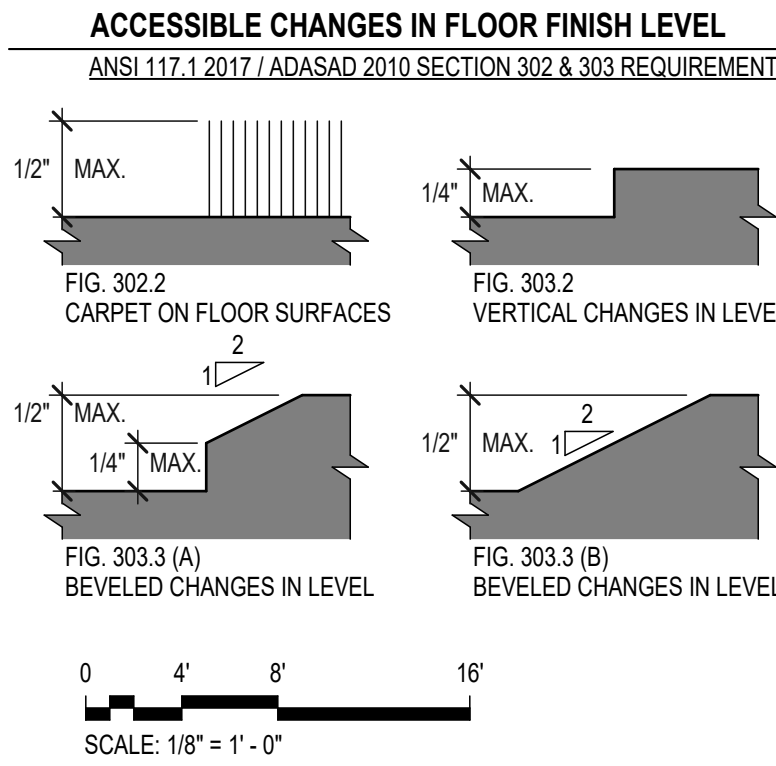
1 FLOOR FINISH PLAN - LOWER FLOOR
A711 SCALE: 1/8" = 1'-0"
REF: A111

FINISH LEGEND	
	FLOOR FINISH TRANSITION WHERE OCCURS
	L
	CG-1
	GWB CONTROL JOINT - SEE A003
	AWP-1
	AWP-2
	AWP-3
	CPT-1
	CPT-2
	CPT-WM
	CT-1
	CT-2
	PT-1
	LVT-1
	LVT-2
	RES-1
	SDT-1
	SC-1

- INTERIOR ELEVATIONS & FINISHES GENERAL NOTES**
- GN-1: NOTES REGARDING FINISH COLORS AND ACCENT PAINT COLORS ARE NOT LIMITED TO THE A700-SERIES DRAWINGS. REFER ALSO TO REFLECTED CEILING PLANS, INTERIOR ELEVATIONS, CASEWORK ELEVATIONS, SECTIONS, DETAILS, AND ENLARGED PLANS.
- GN-2: FOR CLARITY PURPOSES, ACCENT PAINT COLOR NUMBERS, HATCHING PATTERNS AND FLOORING NUMBERS NOTED ARE APPLICABLE ONLY TO THE ROOM, CORRIDOR OR AREA SHOWN IN THE SECTION, PLAN, ELEVATION OR DETAIL NOTED. THEIR PURPOSE SERVES ONLY TO DELINEATE DIFFERENT FINISHES WITHIN A DESIGNATED AREA AND ARE NOT TRANSFERABLE TO THE OVERALL NUMBER UTILIZED.
- GN-3: HATCHES DENOTE FLOORING TYPE ONLY. REFER TO SPEC FOR LAYOUT.
- GN-4: PAINT COLORS TO TERMINATE AT INSIDE CORNERS, U.N.O.
- GN-5: ALL BULKHEADS TO BE PAINTED AN ACCENT COLOR, U.N.O. WHEN ACCENT PAINT COLOR IS NOTED ON A BULKHEAD OR SOFFIT, IT APPLIES TO BOTH THE VERTICAL AND HORIZONTAL SURFACES OF SAID BULKHEAD OR SOFFIT.
- GN-6: USE EPOXY PAINT AT THE FOLLOWING ROOM TYPES:
• CATERING
• JANITORS CLOSETS
• SHOWERS & TOILETS
- GN-7: AT BASE CABINETS, WALL BASE TO EXTEND:
• AROUND SIDES AND ACROSS TOE KICK U.N.O.
• INSIDE CABINET AND ACROSS REAR WALL AT CABINET OPENINGS.

- SHEET KEYNOTES**
- F6 RUBBER STAIR TREADS, RISERS, AND LANDINGS INCLUDING TOP AND BOTTOM LANDING IN STAIR ENCLOSURE, RUB-1. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- F7 TILE STAIR TREADS, RISERS, AND LANDINGS, PT-1. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALUMINUM SLIP RESISTANT STAIR NOSINGS AT TILE TREADS, BASIS OF DESIGN: SCHLITZER TREP-E AND PROVIDE PERIMETER JOINT PROFILE AT TILE EDGES AT STRINGER AND AT INSIDE CORNER WHERE TILE ON TREAD MEETS TILE ON RISER. BASIS OF DESIGN: SCHLITZER DLEX-BWA.
- F42 COORDINATE INSTALLATION OF CARPET WITH INSTALLATION OF HIGH DENSITY MOBILE SHELVING SYSTEM AND COMPONENTS.

FINISH TRANSITIONS		
MARK	SHEET REF	TYPE
TR1	A701	RESILIENT TO RESINOUS/ CONCRETE
TR2	A701	RESILIENT TO CARPET
TR3	A701	RESILIENT TO RESILIENT (2.5MM TO 3MM)
TR4	A701	WALK-OFF CPT TO RESINOUS/ CONCRETE
TR5	A701	RESILIENT TO WALK-OFF CPT
TR6	A701	RESINOUS/ CONCRETE TO CARPET
TR7	A701	TILE TO RESILIENT



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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

PLAN NORTH
N
SITE NORTH
N

SHEET NAME:

FLOOR FINISH PLAN - LOWER FLOOR

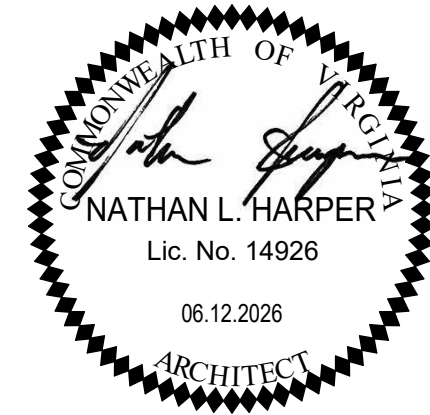
SHEET NUMBER:

A711

**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

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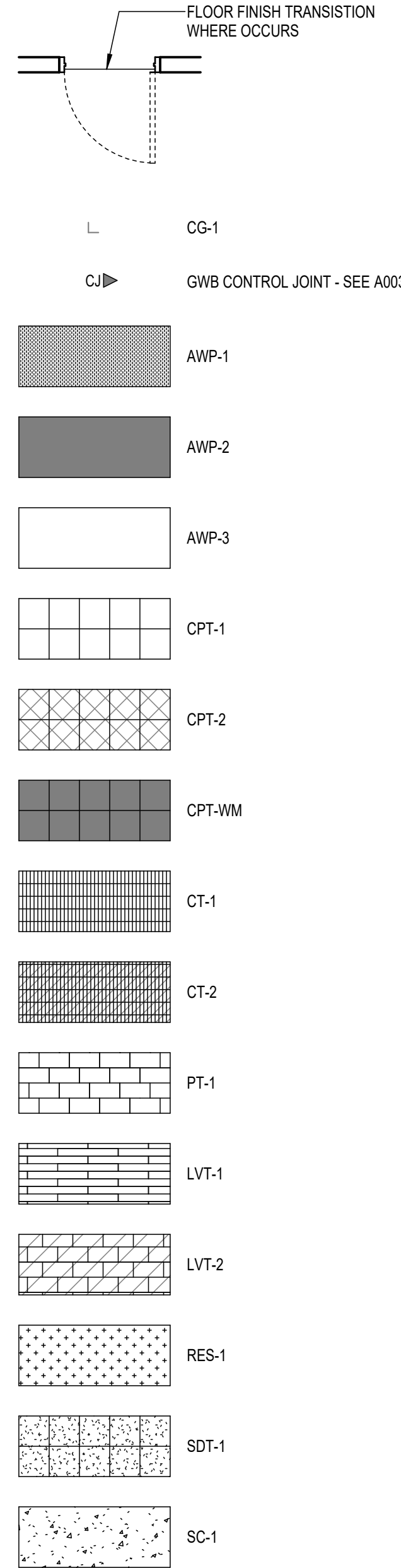
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- GN-6: USE EPOXY PAINT AT THE FOLLOWING ROOM TYPES:
• CATERING
• JANITORS CLOSETS
• SHOWERS & TOILETS
- GN-7: AT BASE CABINETS, WALL BASE TO EXTEND:
• AROUND SIDES AND ACROSS TOE KICK U.N.O.
• INSIDE CABINET AND ACROSS REAR WALL AT CABINET OPENINGS.

SHEET KEYNOTES

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FINISH LEGEND

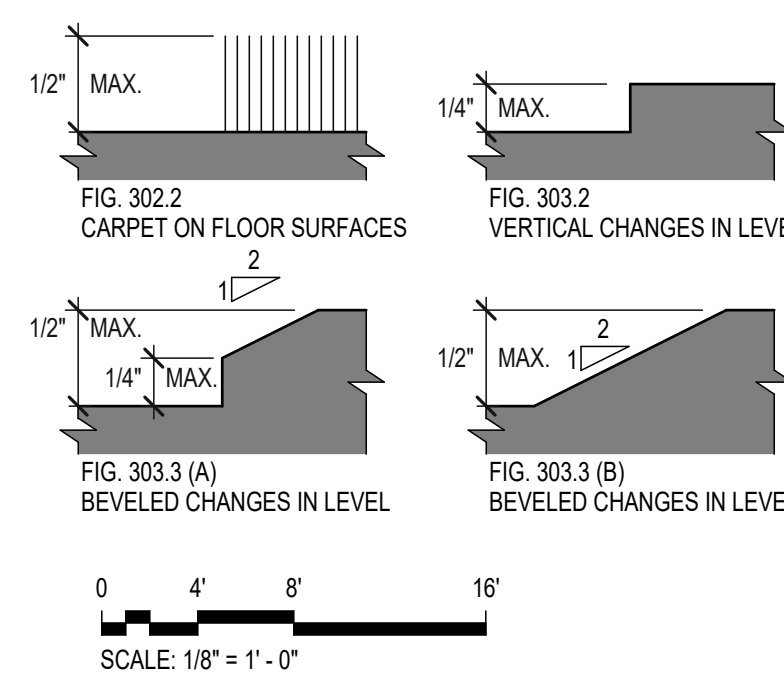


FINISH TRANSITIONS

MARK	SHEET REF	TYPE
TR1	A701	RESILIENT TO RESINOUS/ CONCRETE
TR2	A701	RESILIENT TO CARPET
TR3	A701	RESILIENT TO RESILIENT (2.5MM TO 3MM)
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TR5	A701	RESILIENT TO WALK-OFF CPT
TR6	A701	RESINOUS/ CONCRETE TO CARPET
TR7	A701	TILE TO RESILIENT

ACCESSIBLE CHANGES IN FLOOR FINISH LEVEL

ANSI 117.1 2017 / ADA/ASD 2010 SECTION 302 & 303 REQUIREMENTS



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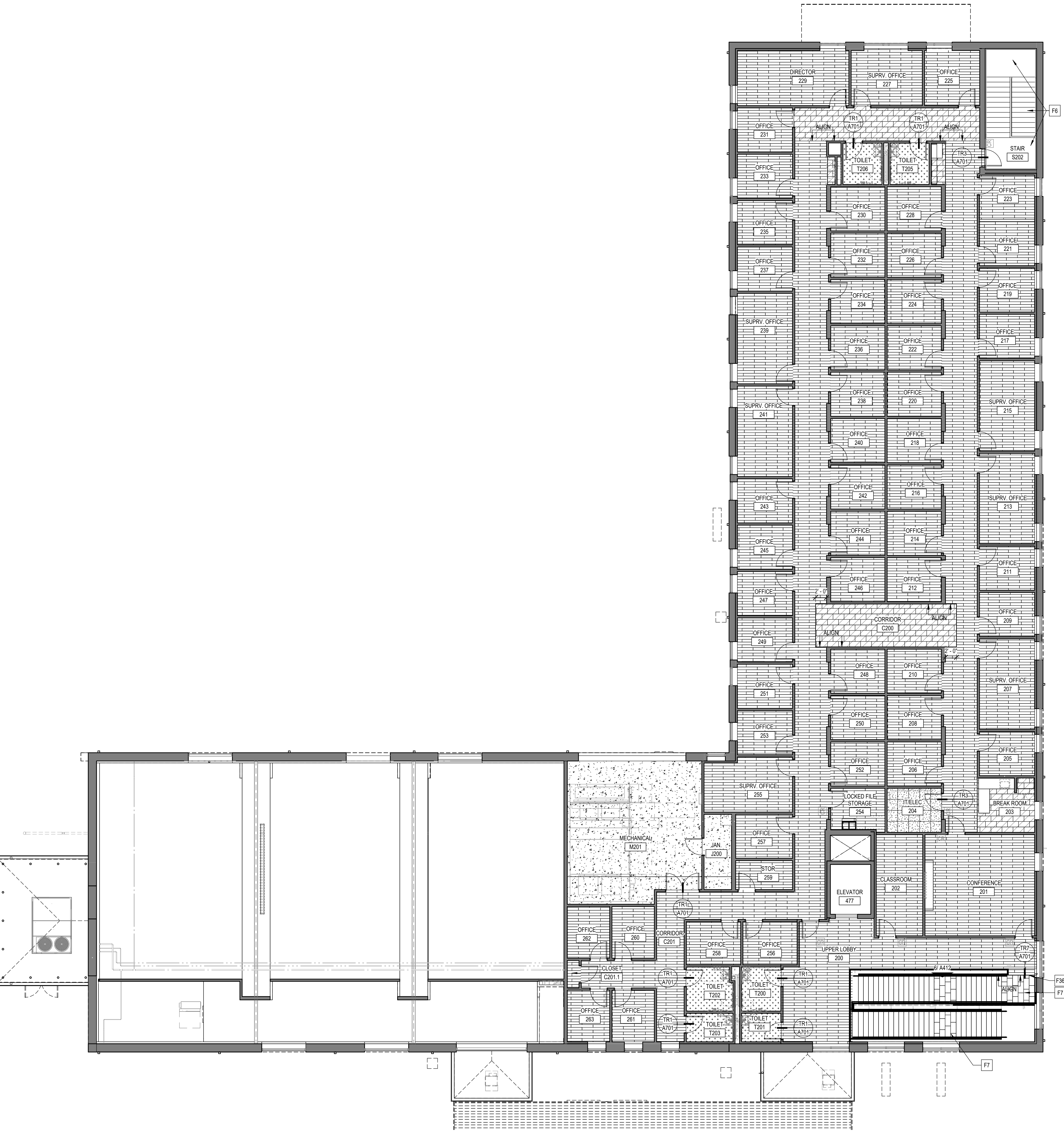
**FLOOR FINISH PLAN -
MAIN FLOOR**

SHEET NUMBER:

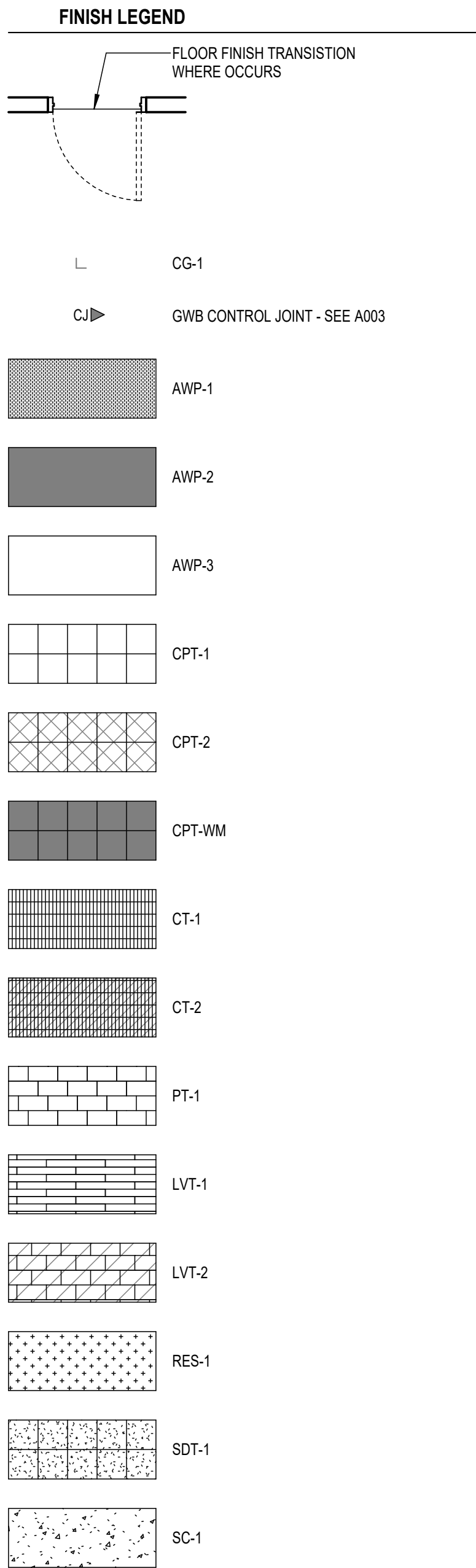
A712

1 FLOOR FINISH PLAN - MAIN FLOOR

A712 SCALE: 1/8" = 1'-0"
REF: A052



1 FLOOR FINISH PLAN - UPPER FLOOR
A713 SCALE: 1/8" = 1'-0"
REF: A111



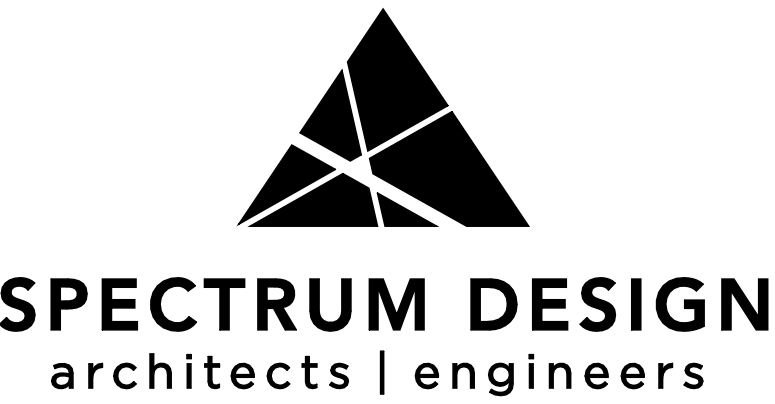
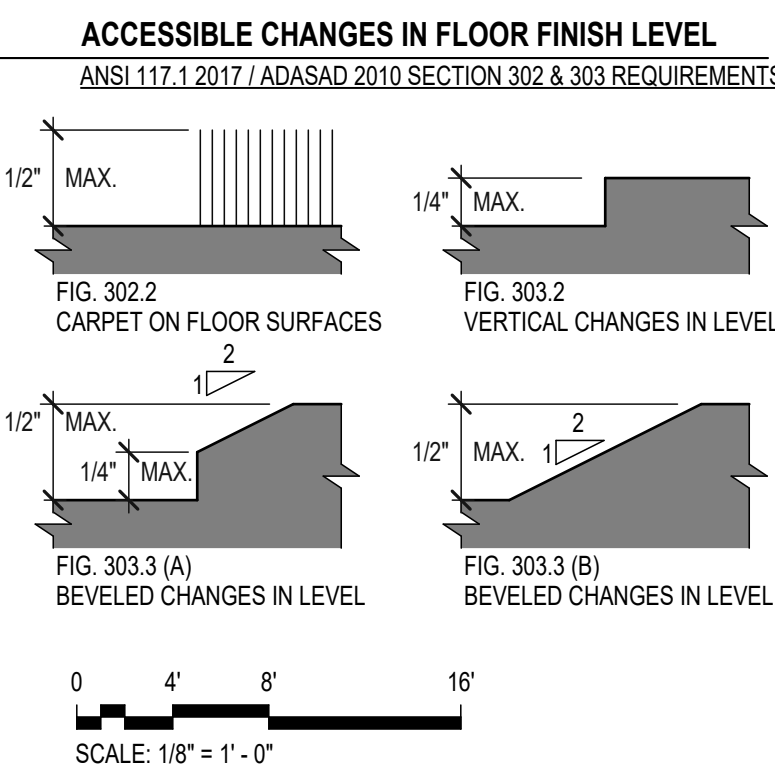
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• JANITORS CLOSETS
• SHOWERS & TOILETS
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- F36 TILE LANDING TO MATCH STAIR WIDTH, ALIGN FLOOR MATERIAL TRANSITION WITH INSIDE FACE OF STRINGER.

FINISH TRANSITIONS		
MARK	SHEET REF	TYPE
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BEDFORD COUNTY

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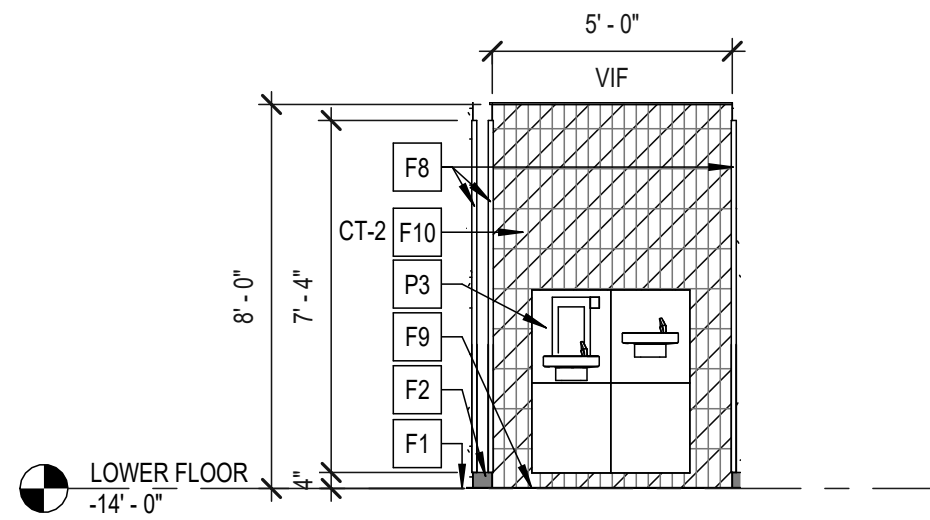
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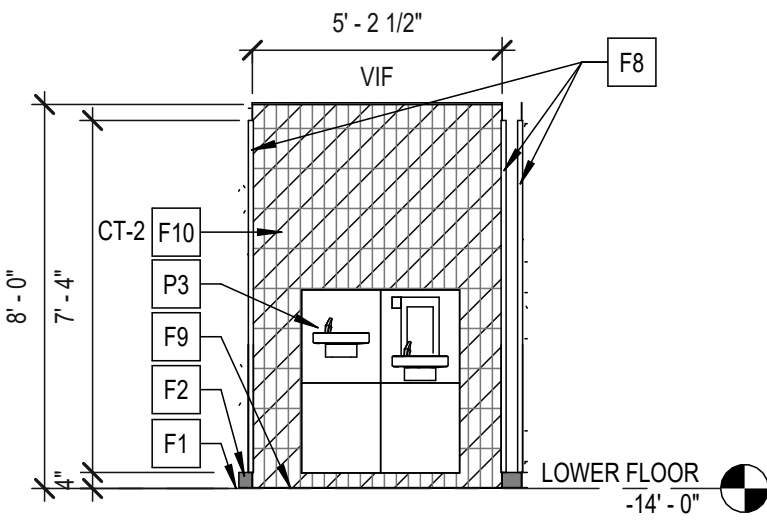
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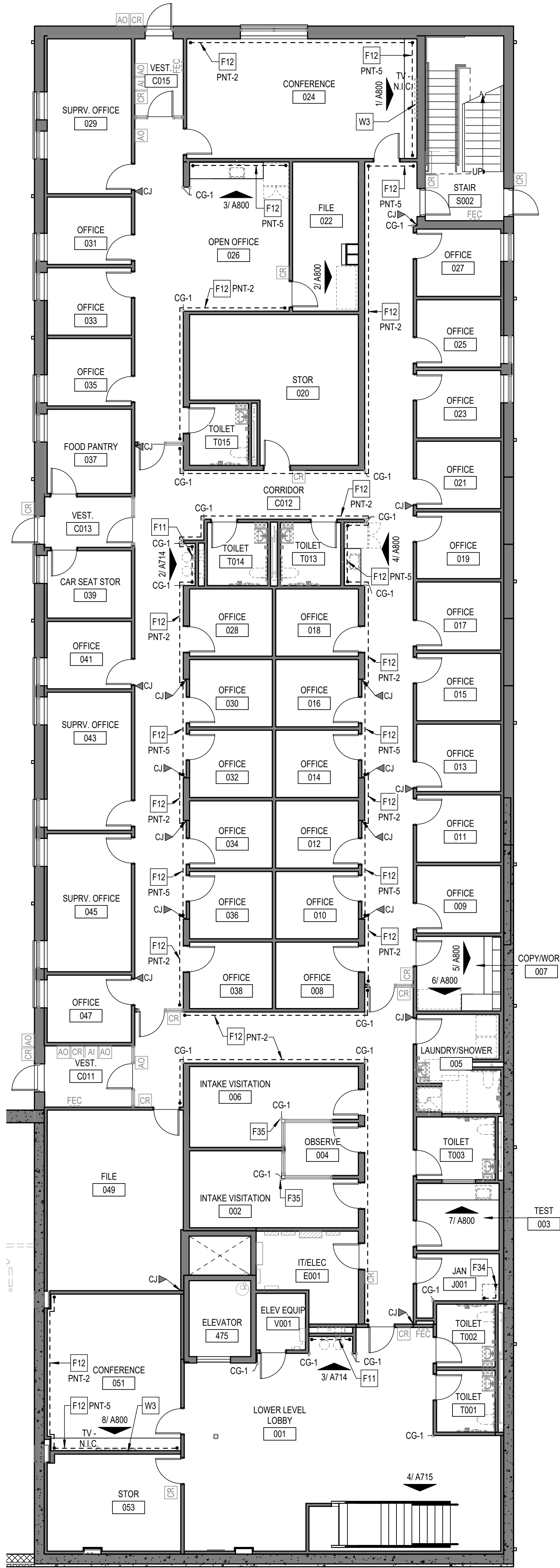
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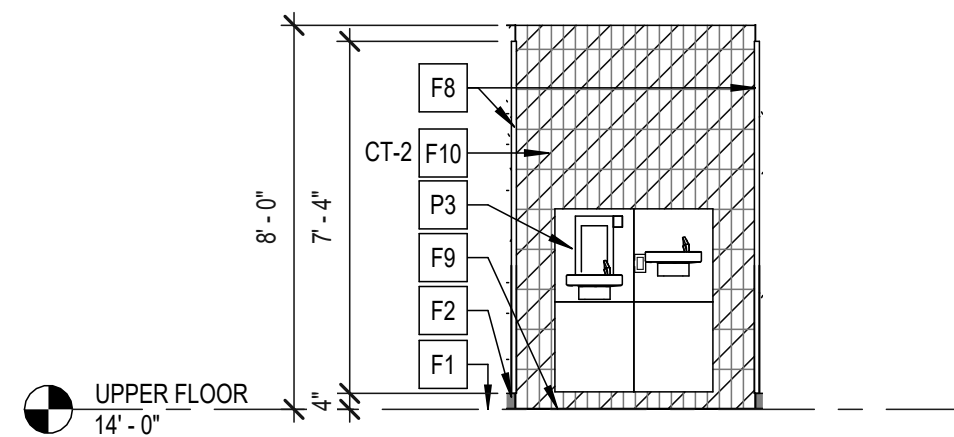


2 WATER COOLER @ CORRIDOR C012
A714 SCALE: 1/4" = 1'-0"
REF: A714

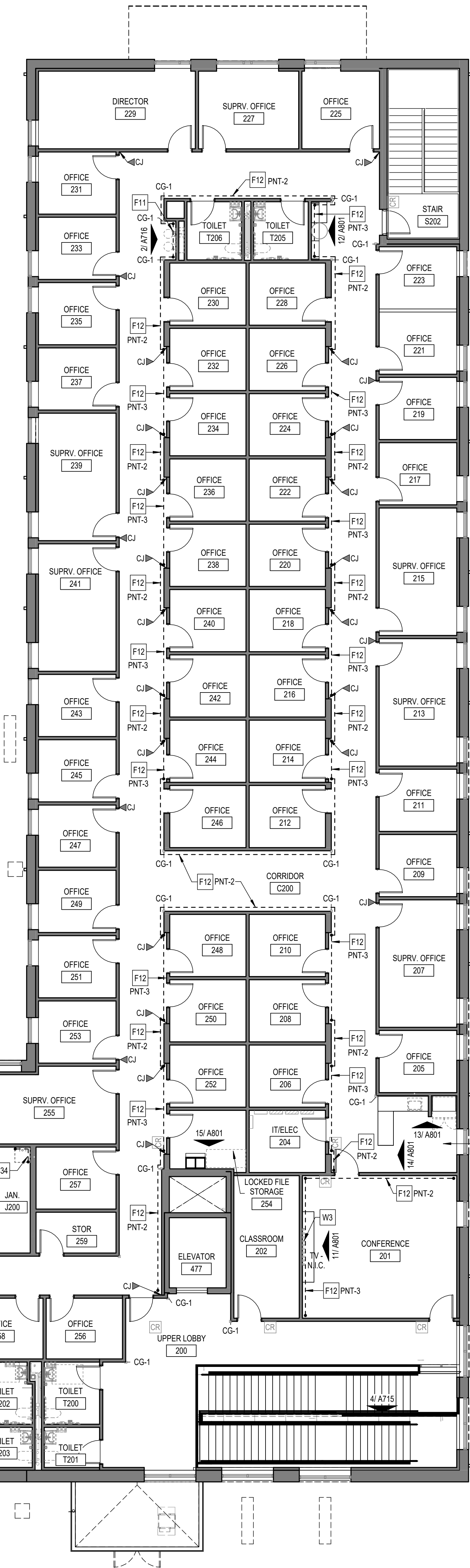


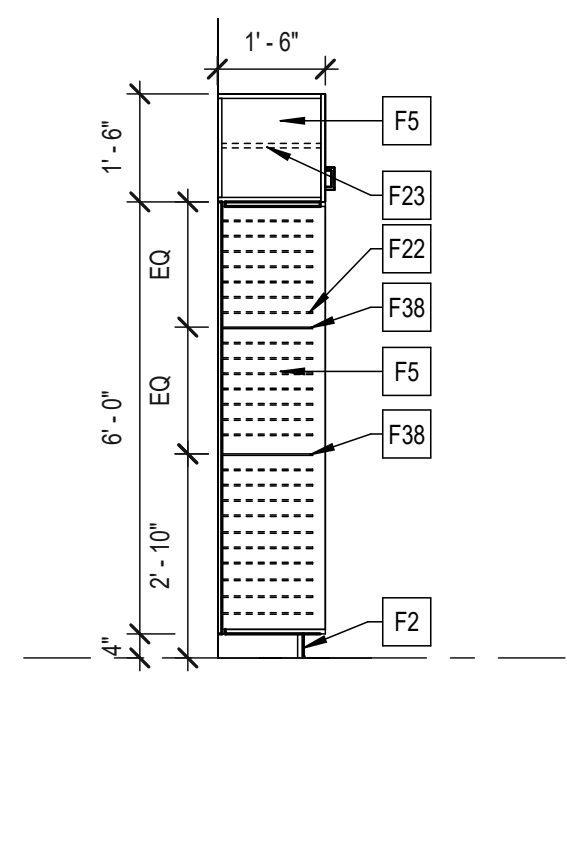
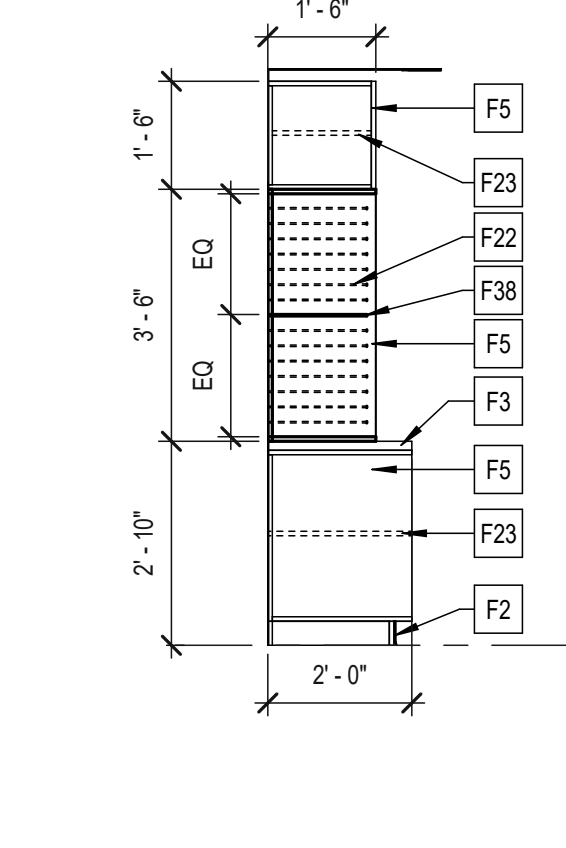
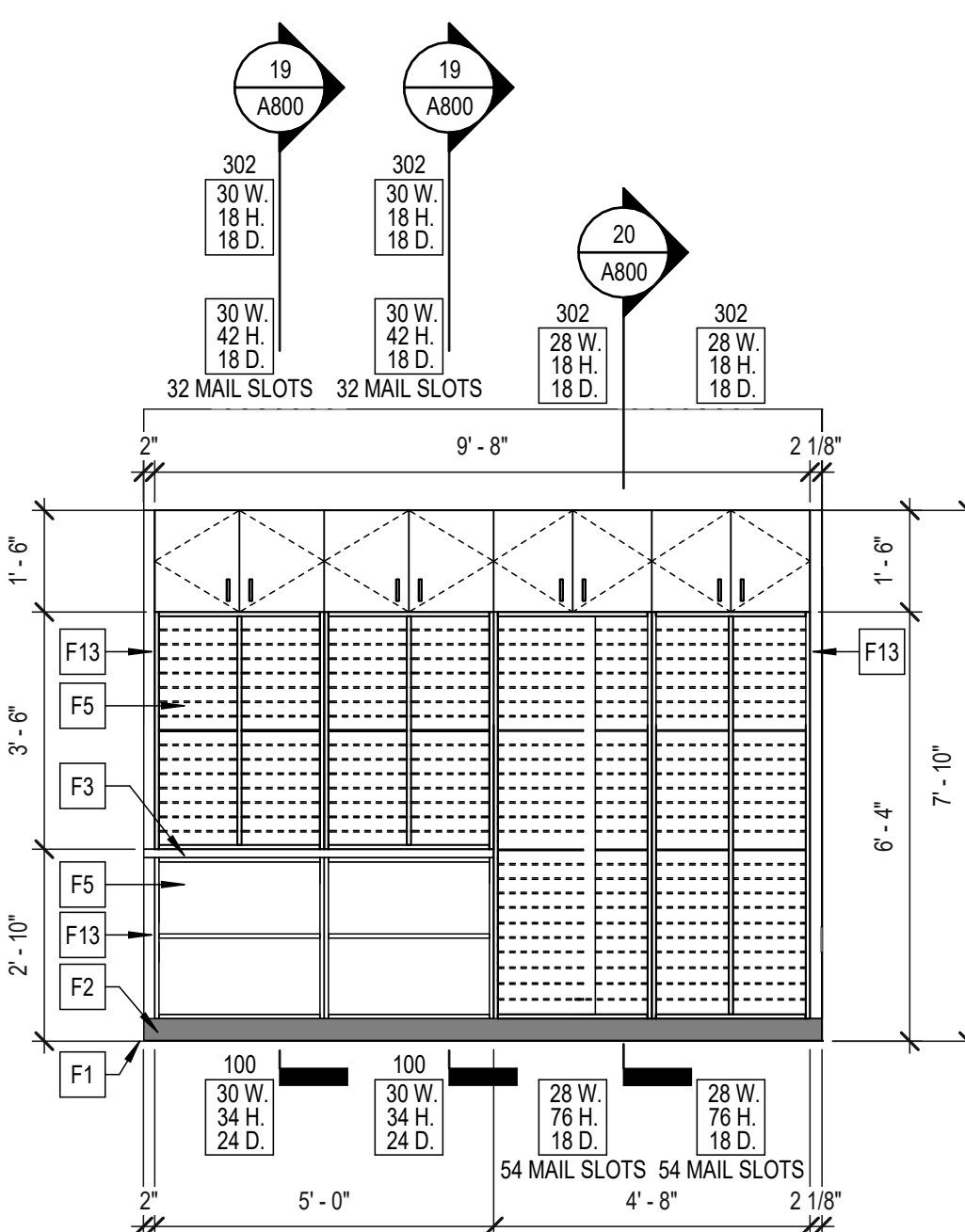
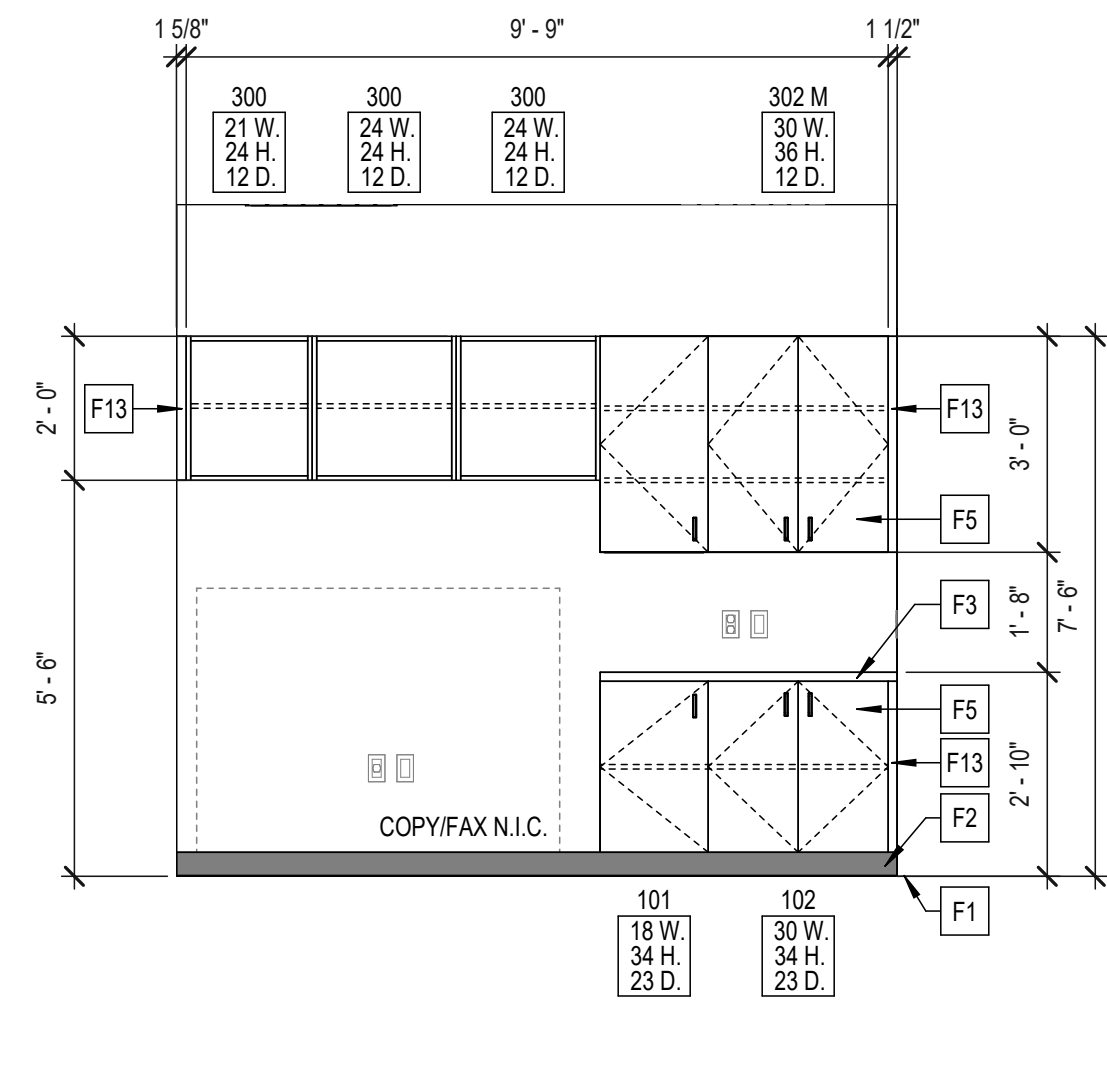
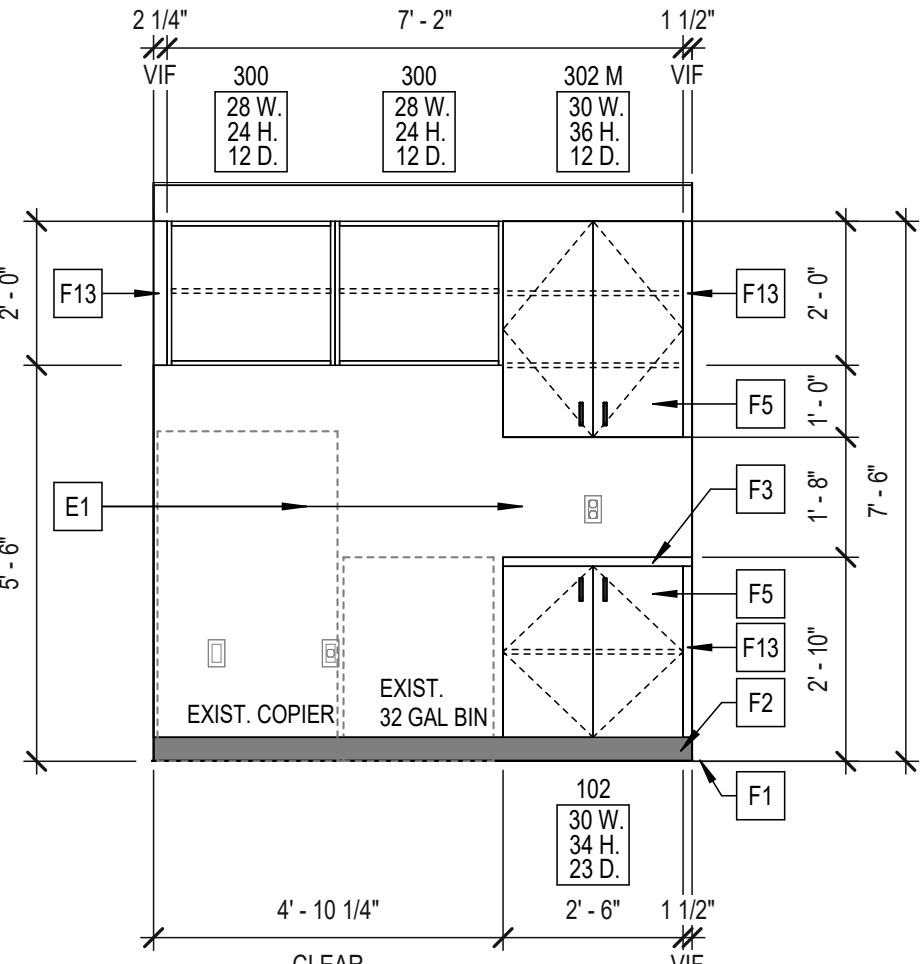
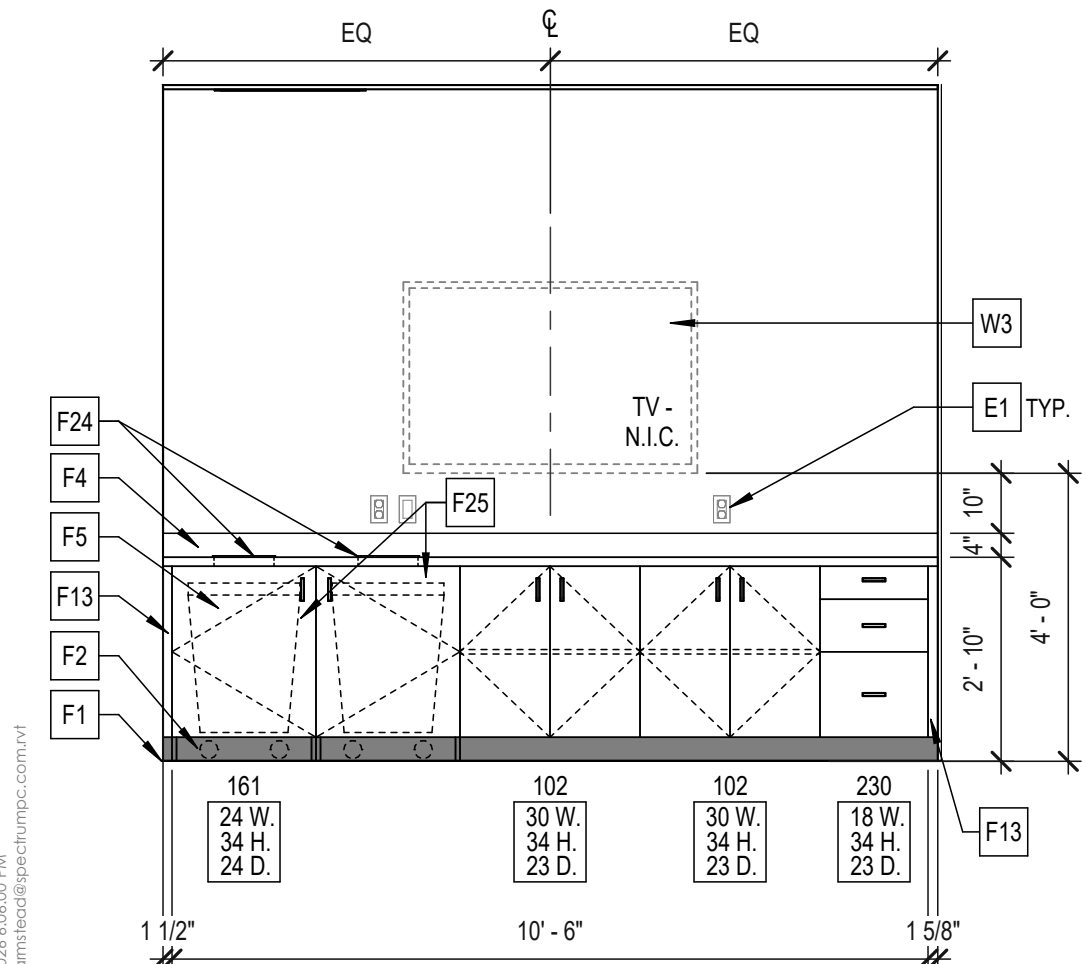
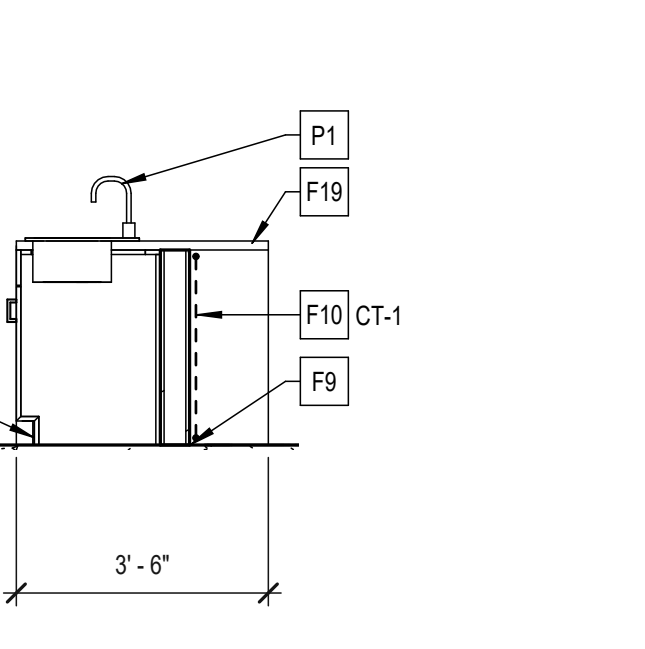
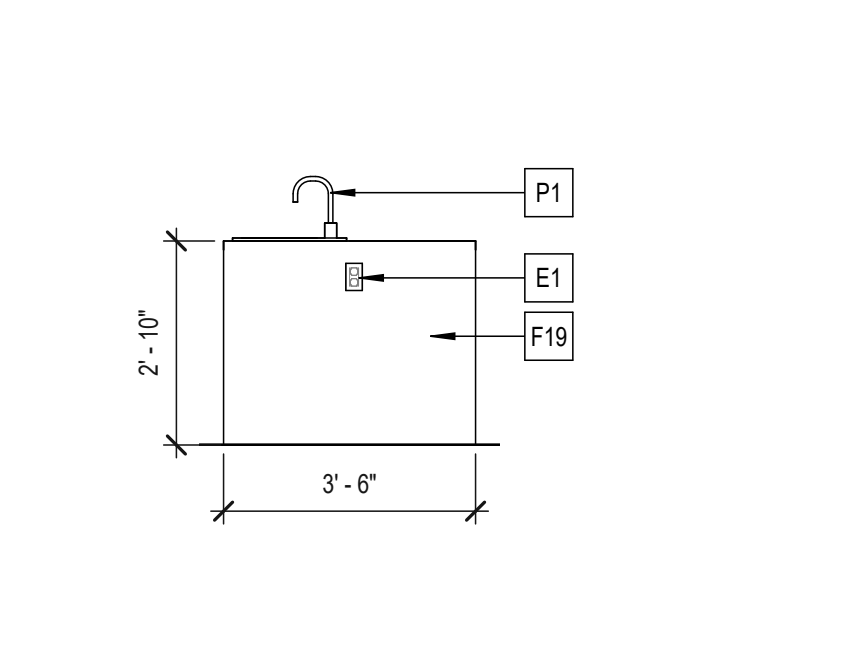
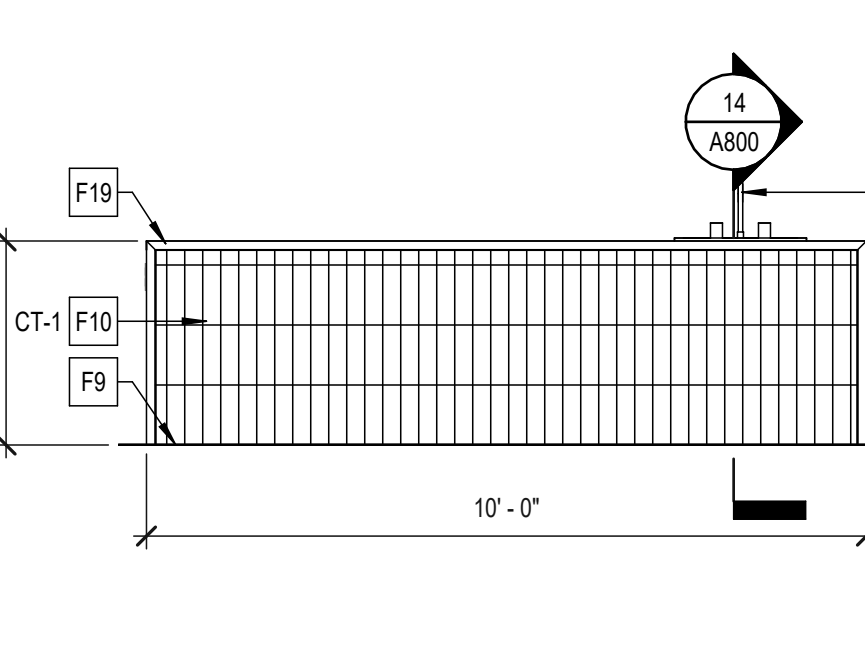
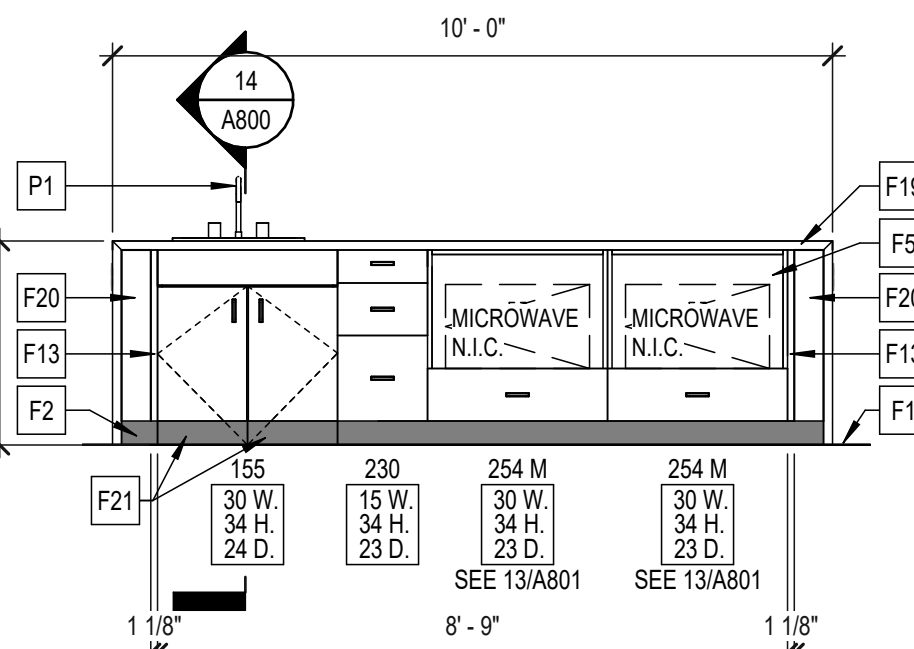
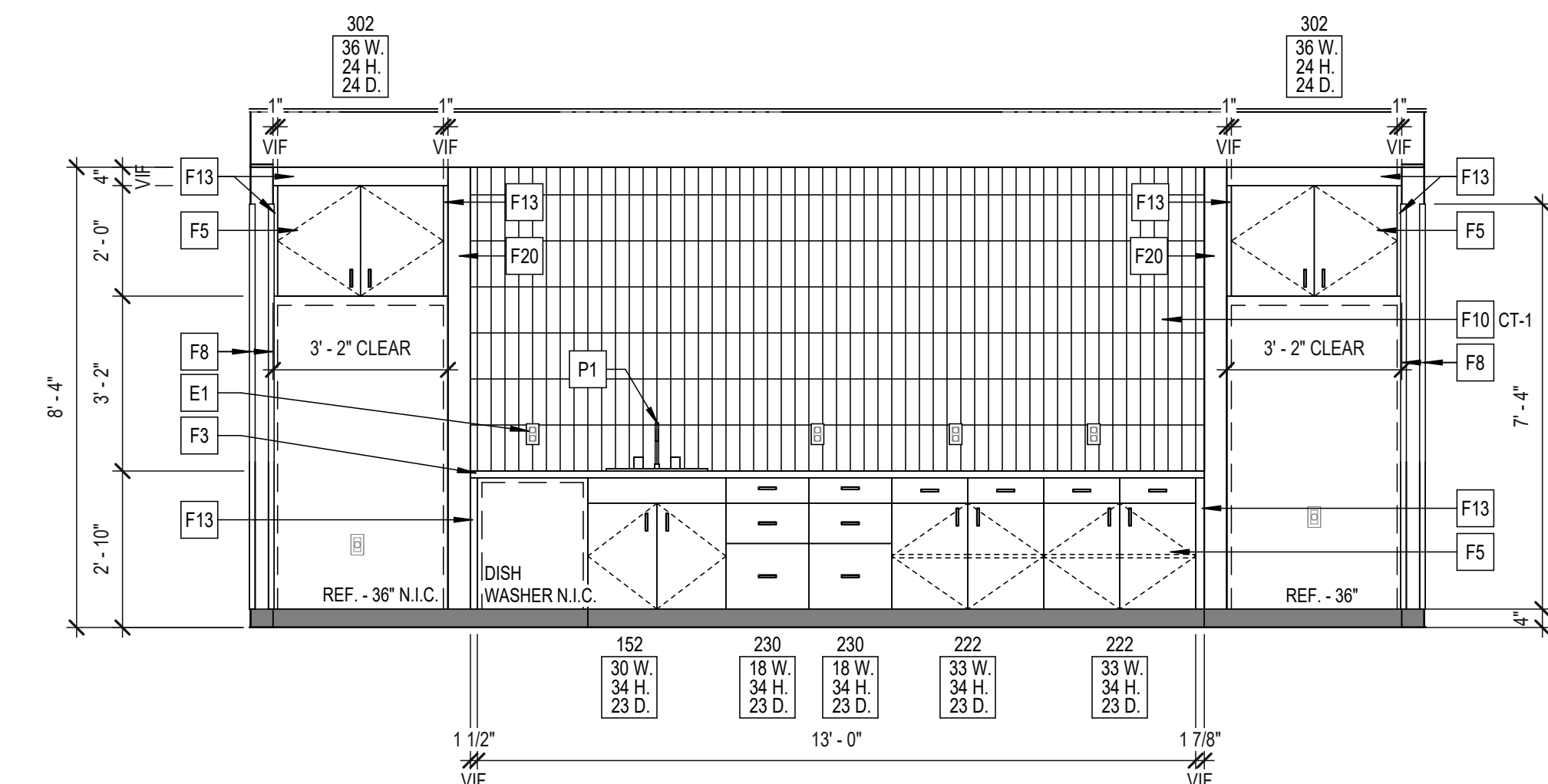
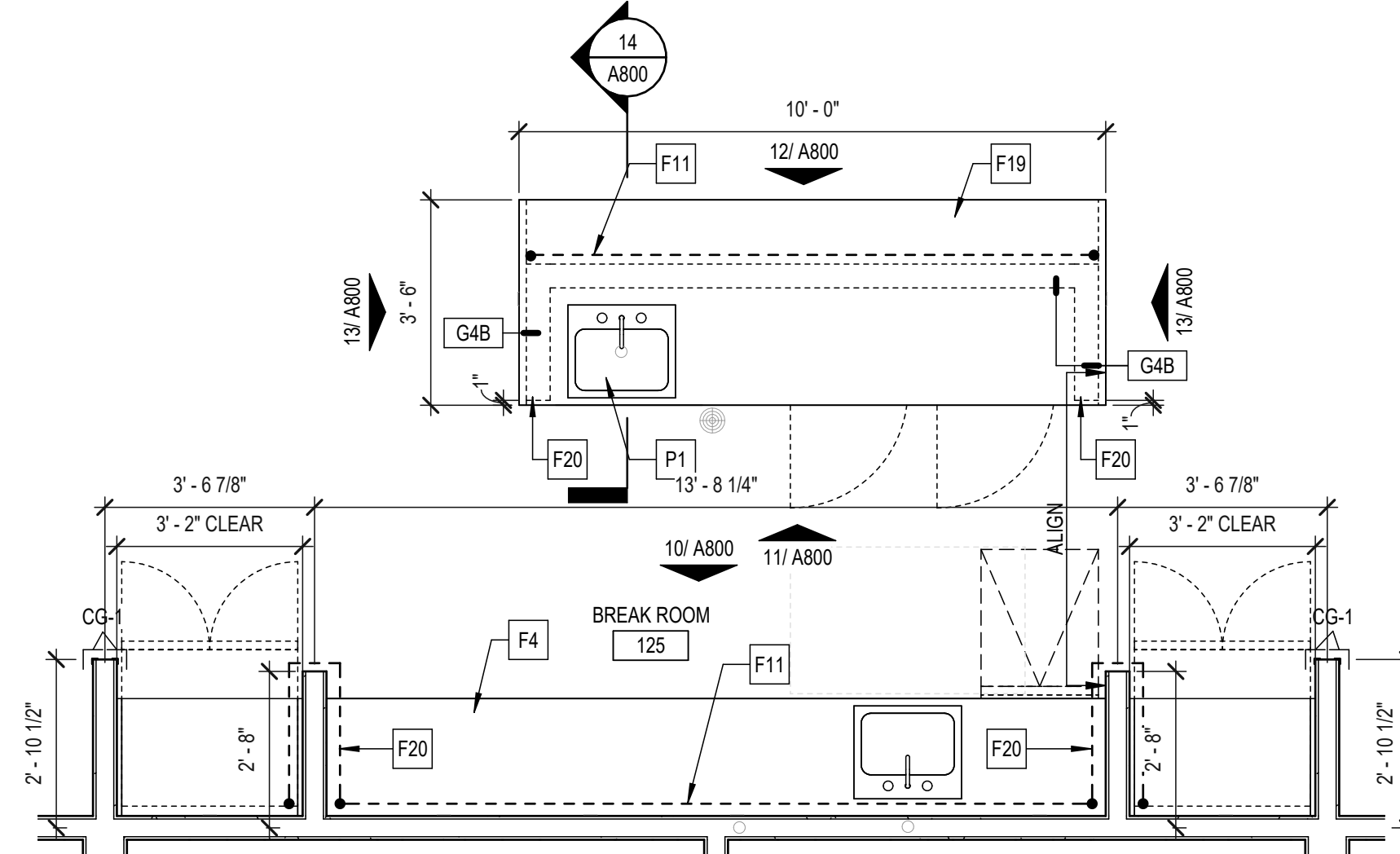
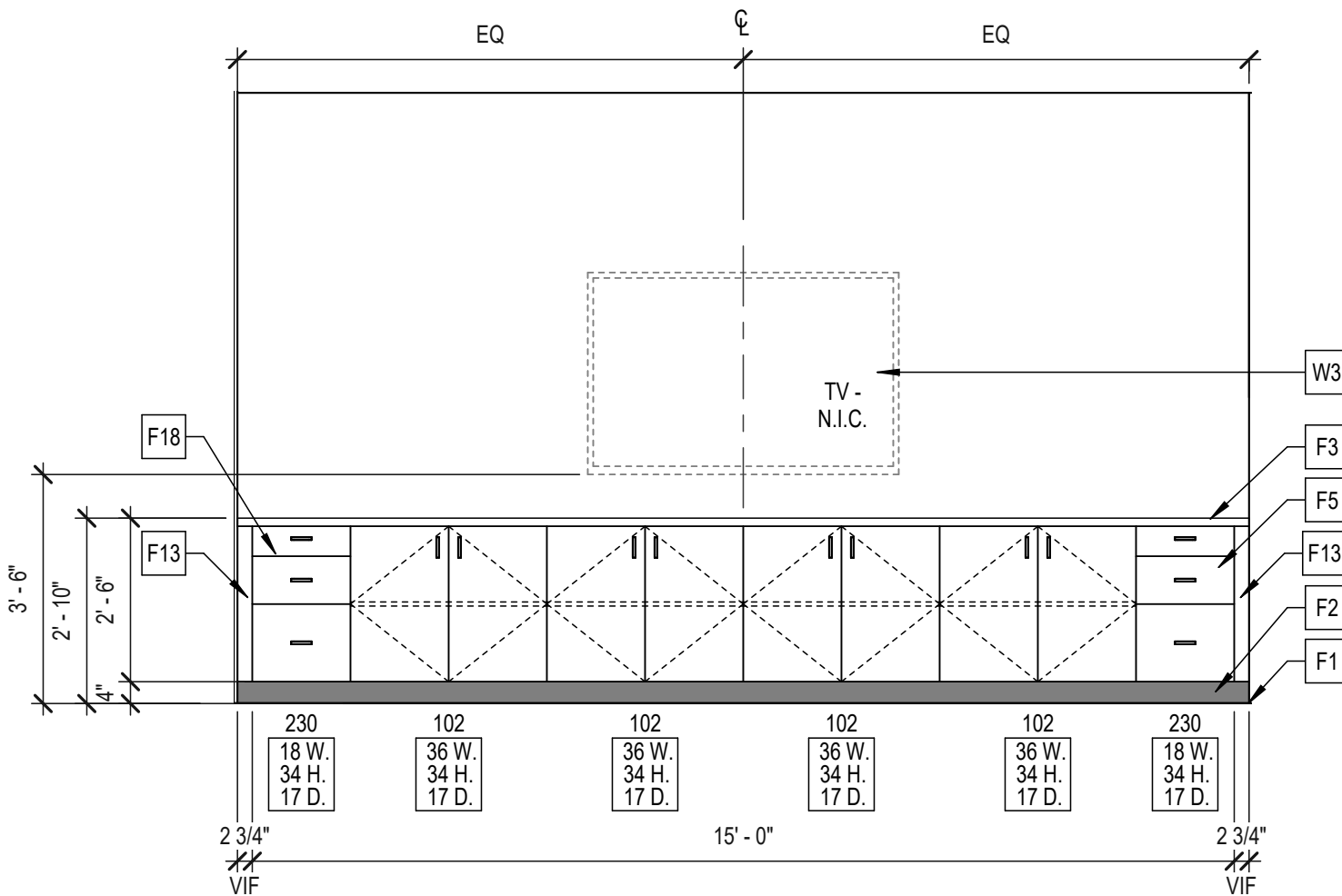
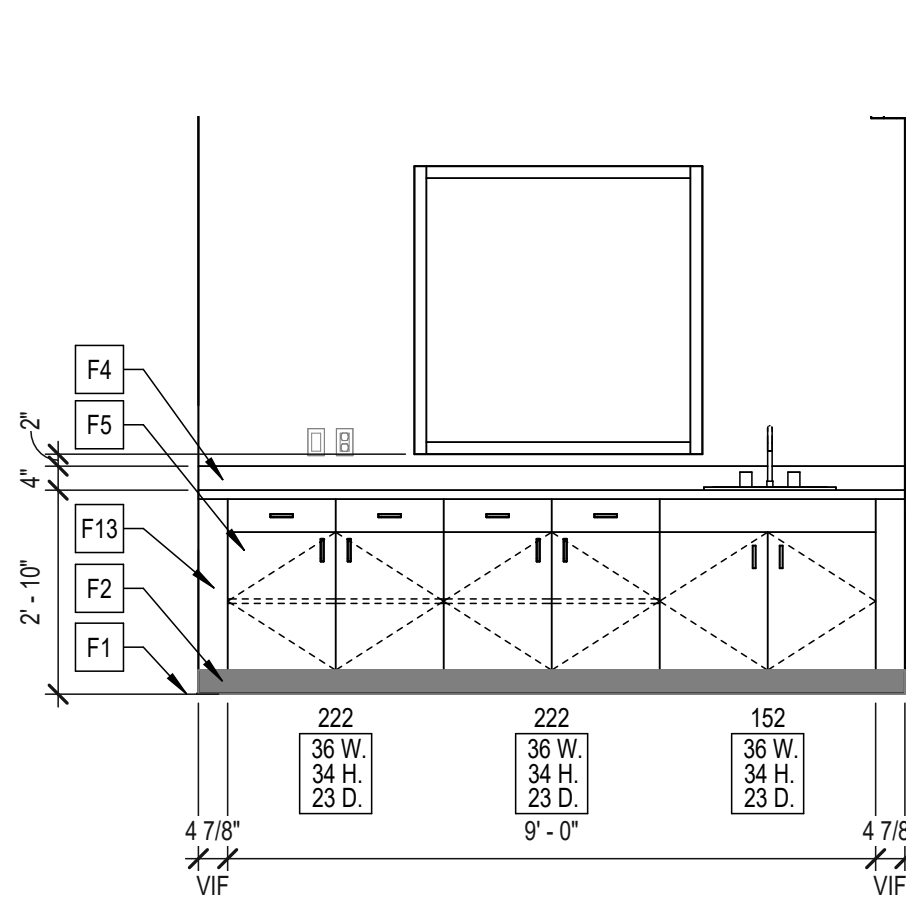
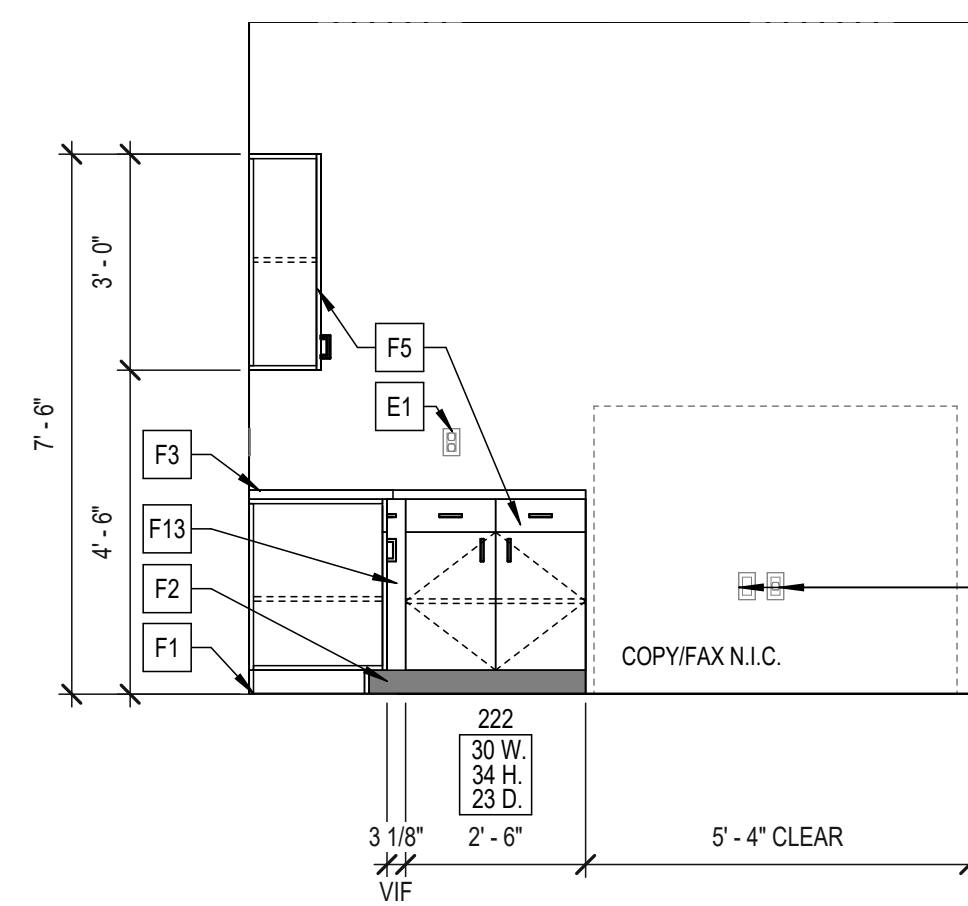
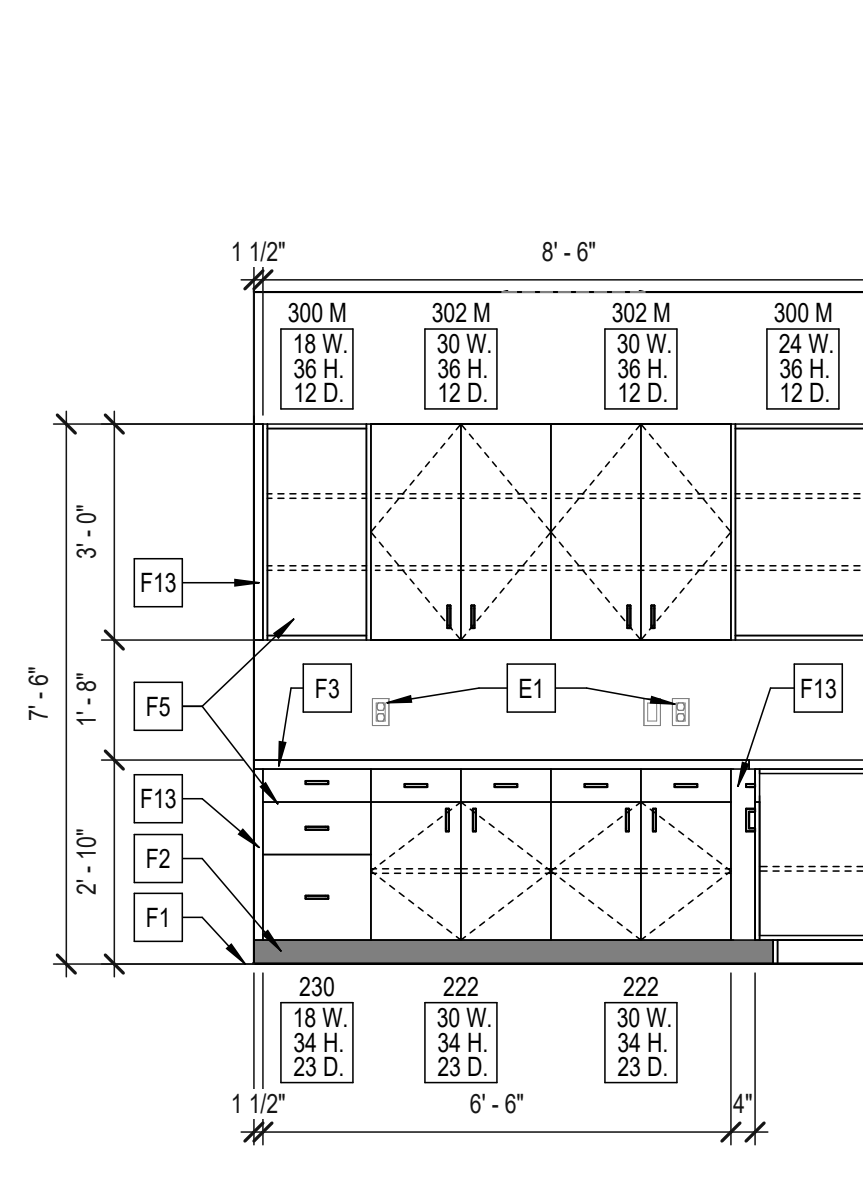
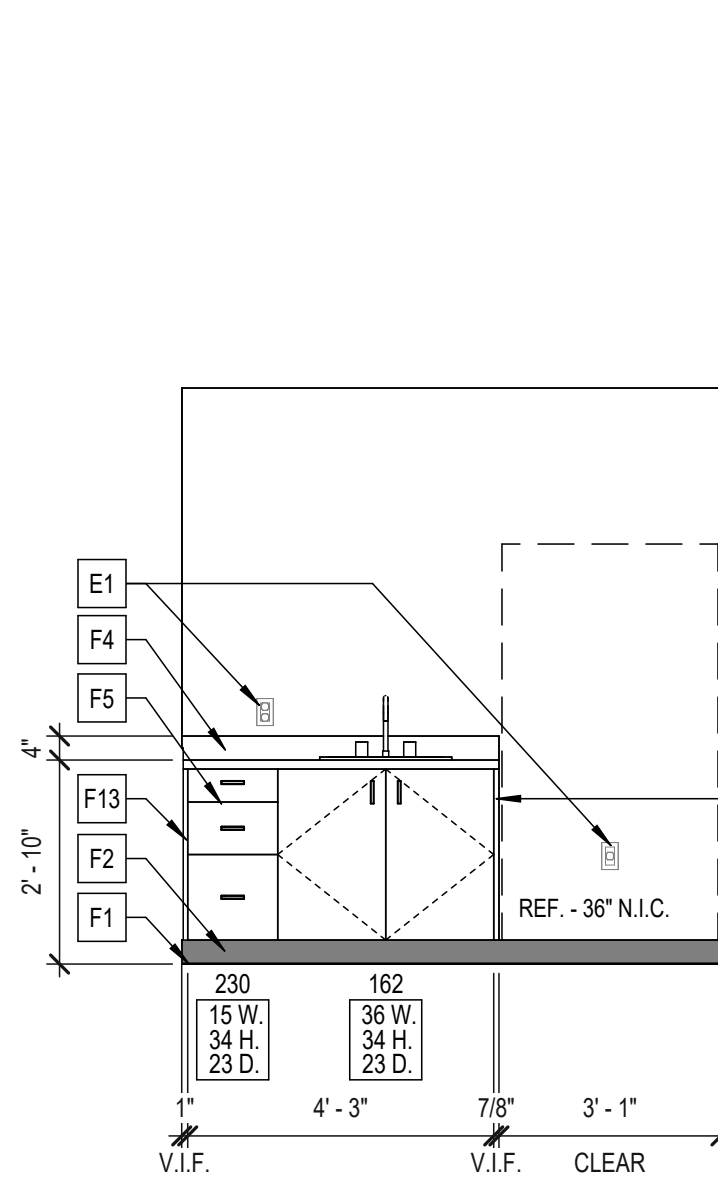
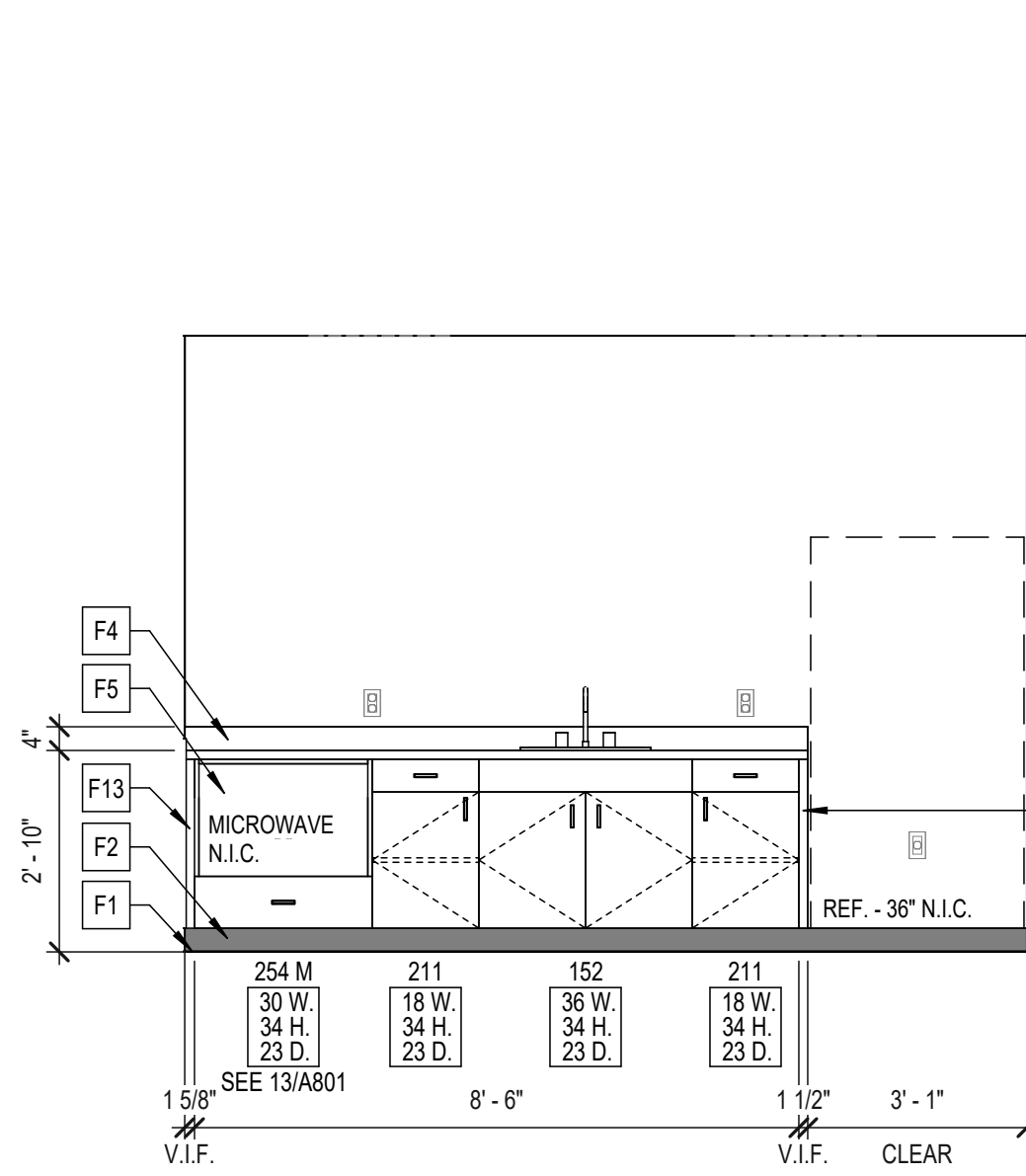
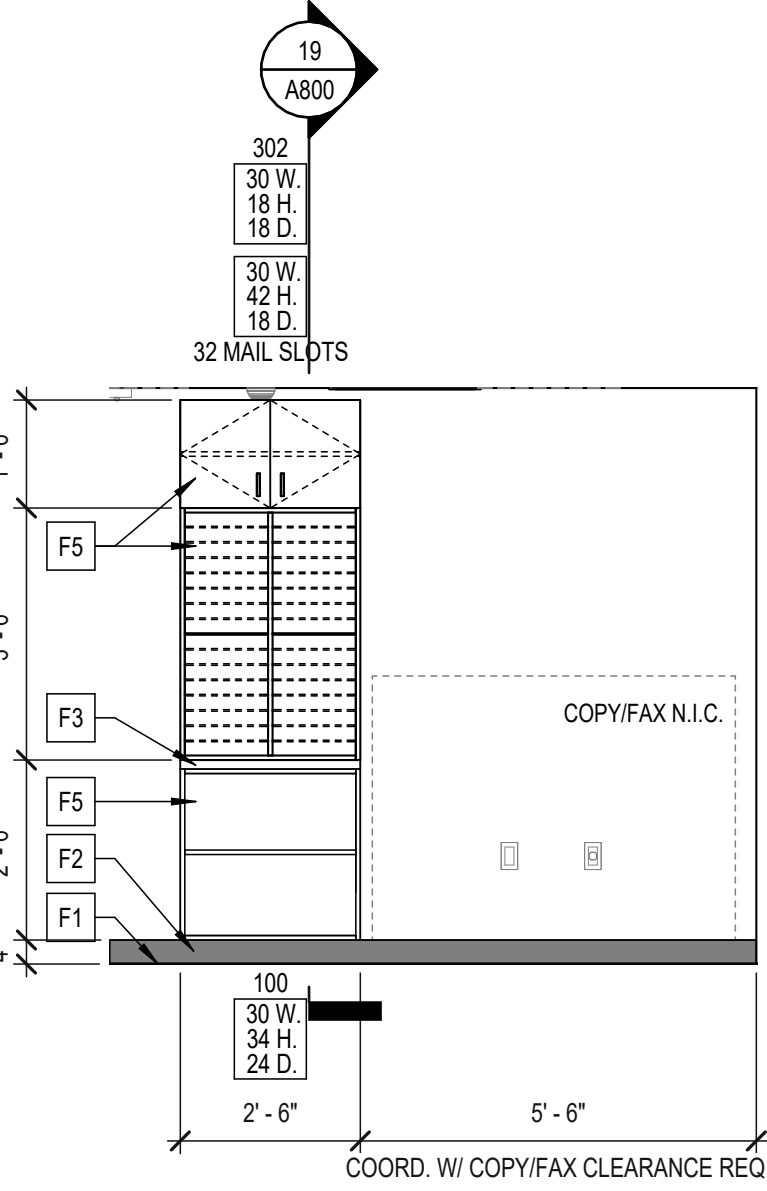
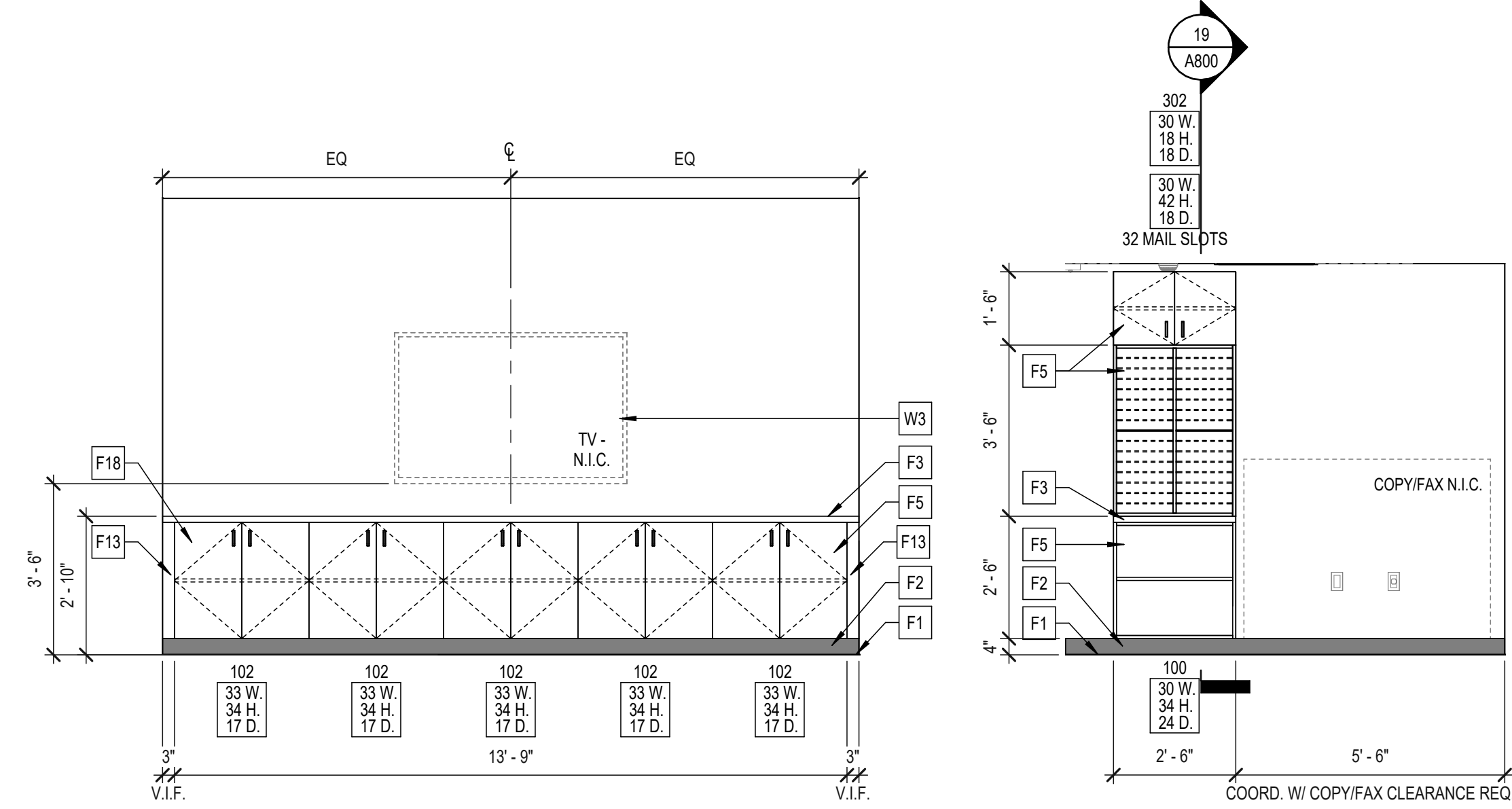
3 WATER COOLER @ LOWER LEVEL LOBBY 001
A714 SCALE: 1/4" = 1'-0"
REF: A714





2 WATER COOLER @ CORRIDOR C200
A716 SCALE: 1/4" = 1'-0"
REF: A716





- CASEWORK GENERAL NOTES**
- GN-1: CASEWORK NUMBERING SYSTEM BASIS:
NAAWS CABINET DESIGN SERIES
- CASEWORK TAG**
- NAAWS CABINET DESIGN SERIES
NUMBER
** "M" = MODIFIED
** "V" = VARIES
MATCH WIDTH OF ADJ. CASEWORK BELOW
MODIFICATION DETAIL OR DESCRIPTION
- 000 M
00 H
00 L
X XXXX
- CASEWORK WIDTH **
NOMINAL CASEWORK HEIGHT
(TOP FACE OF COUNTERTOP IF BASE CABINET)
NOMINAL CASEWORK DEPTH (REAR OF CABINET TO OUTSIDE FACE OF CABINET DOOR)
NOTE: COUNTERTOP MAX DEPTH = 24" FROM FACE OF WALL TO OUTSIDE EDGE OF COUNTERTOP
- GN-2: SHELVING TYPES - SEE CASEWORK ELEVATIONS FOR LOCATIONS AND QUANTITY.
- FIXED SHELVES
ADJUSTABLE SHELVES
- GN-3: GO TO COORDINATE INSTALLATION OF BLOCKING IN WALLS AS REQUIRED TO SUPPORT ALL CASEWORK TYP.
- GN-4: FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS TO ARCHITECT FOR REVIEW.
- GN-5: ALL EXPOSED SURFACES SHALL BE PLASTIC LAMINATE UNLESS NOTED OTHERWISE; COORDINATE WITH SPECIFICATIONS.
- GN-6: CONTINUE FLOORING AND WALL BASE INSIDE OPEN CABINETS AND OPENINGS BETWEEN CABINETS.
- GN-7: CONTINUE WALL BASE ON FACE OF TOE KICK AND FACE OF END PANELS UNLESS NOTED OTHERWISE.
- GN-8: SEE WALL FINISH PLANS FOR CASEWORK ELEVATION MARKERS, TYP.

- SHEET KEYNOTES**
- E1 ELECTRICAL EQUIPMENT - SEE ELECTRICAL DRAWINGS
F1 FLOOR FINISH AS SCHEDULED.
F2 WALL BASE AS SCHEDULED.
F3 SOLID SURFACE COUNTER: SS-1, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
F4 SOLID SURFACE COUNTER & BACKSPLASH: SS-1, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
F5 PLASTIC LAMINATE FINISH ON CASEWORK: PL-1, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
F8 PROVIDE CORNER GUARDS AT ALL EXTERIOR CORNERS AS SHOWN ON WALL FINISH PLANS: CG-1, SEE FINISH SCHEDULE FOR ADDITIONAL DETAILS. HEIGHT & PLACEMENT SHOWN IS TYPICAL FOR ALL CORNERGUARDS.
F9 COVE BASE TRANSITION, BRUSHED STAINLESS STEEL, B&D: SCHLUTER-DILEX-AHKA. SEE FINISH SCHEDULE FOR DETAIL.
F10 WALL TILE, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
F11 EXTENTS OF WALL TILE: TERMINATE TILE AT INSIDE CORNERS. SEE FINISH ELEVATIONS FOR ADDITIONAL DETAILS.
F13 FILLER PANEL, MATCH FINISH OF ADJ. CASEWORK.
F18 PROVIDE LOCK ON ALL CASEWORK DOORS AND DRAWERS SHOWN IN ELEVATION.
F19 SOLID SURFACE COUNTER WITH WATERFALL EDGE: SS-1, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
F20 PLASTIC LAMINATE FINISH ON VISIBLE PORTIONS OF WALL, PLASTIC LAMINATE FINISH TO MATCH ADJACENT CASEWORK.
F21 PROVIDE TOE-LESS WALL BASE ON OPERABLE BASE AT ROLL-UNDER SINK CABINET. INSTALLATION SHALL NOT PREVENT CASEWORK FROM OPERATING AS INTENDED. MATCH FINISH OF TYPICAL WALL BASE.
F22 PROVIDE 1/4" THICK SHELVES WITH TRANSLUCENT LOW PROFILE SHELF SUPPORTS. ALL FACES OF SHELF TO HAVE PLASTIC LAMINATE FINISH TO MATCH ADJ. CASEWORK. SHELVES TO BE ADJUSTABLE AND REMOVEABLE ON 1 1/4" CENTERS WITH MIN. COMPARTMENT 2 1/4" H.
F23 ADJUSTABLE SHELVES.
F24 PROVIDE 1/2" DIA. STAINLESS STEEL GROMMET IN SOLID SURFACE COUNTER, CENTER ABOVE CABINET BELOW.
F25 PROVIDE PLASTIC ROLLING TRASHCANS. COORDINATE SIZE WITH CASEWORK.
F38 FIXED SHELF
P1 SINK - SEE PLUMBING DRAWINGS
W3 PROVIDE ADDITIONAL WALL BLOCKING AT TV MOUNTING LOCATION

SPECTRUM DESIGN
architects | engineers

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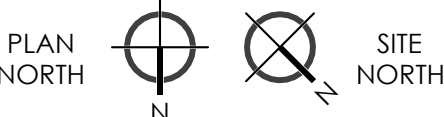


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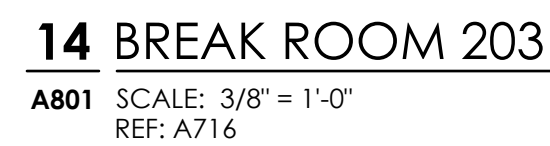
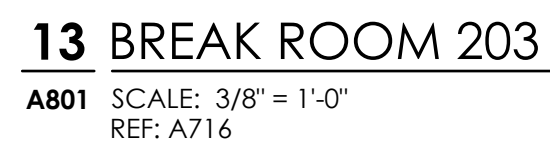
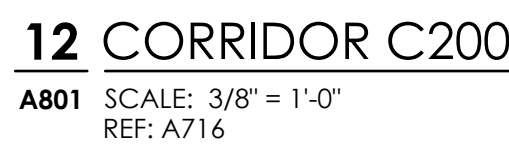
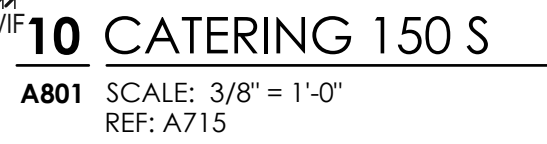
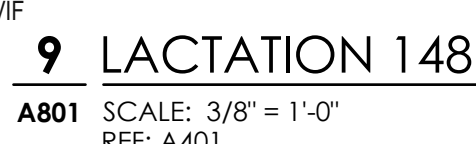
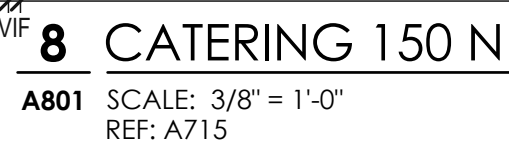
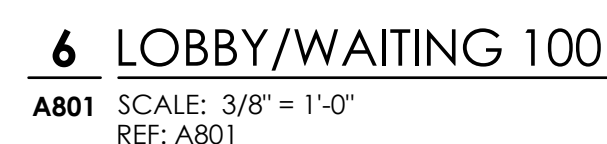
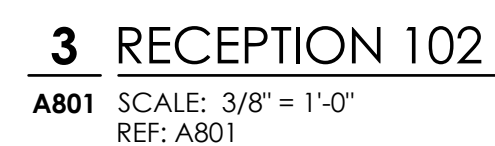
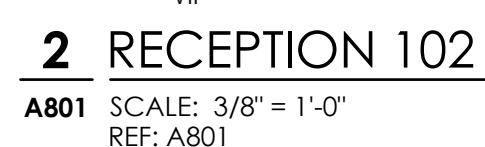
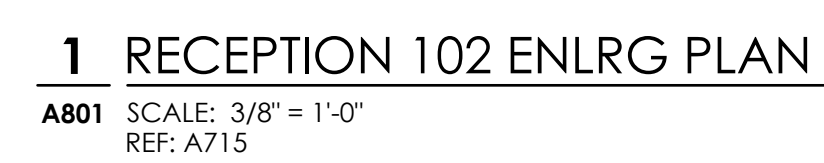
SHEET NAME:

CASEWORK ELEVATIONS & DETAILS

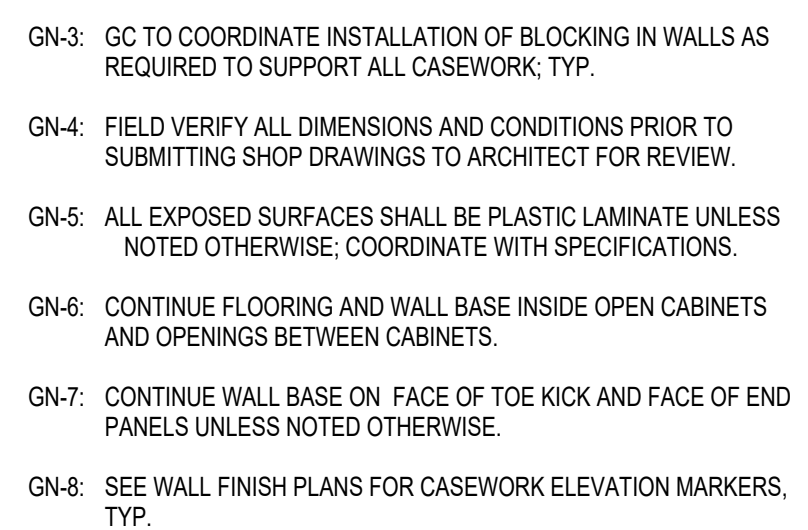
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A800





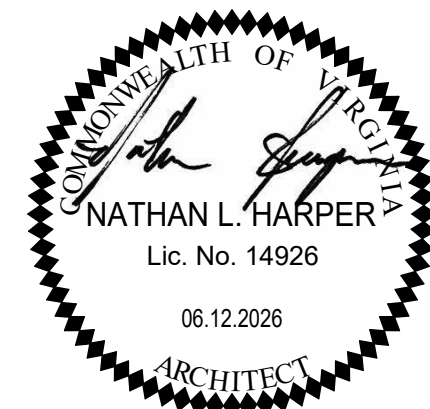
GN-2: SHELVING TYPES - SEE CASEWORK ELEVATIONS
FOR LOCATIONS AND QUANTITY.



XI	SHEET KEYNOTES
E1	ELECTRICAL EQUIPMENT - SEE ELECTRICAL DRAWINGS
F1	FLOOR FINISH AS SCHEDULED.
F2	WALL BASE AS SCHEDULED.
F3	SOLID SURFACE COUNTER: SS-1, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
F4	SOLID SURFACE COUNTER & BACKSPLASH: SS-1, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
F5	PLASTIC LAMINATE FINISH ON CASEWORK: PL-1, SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
F8	PROVIDE CORNER GUARDS AT ALL EXTERIOR CORNERS AS SHOWN ON WALL FINISH PLANS. CG-1, SEE FINISH SCHEDULE FOR ADDITIONAL DETAILS. HEIGHT & PLACEMENT SHOWN IS FOR ALL CORNERS/ANGLES.
F13	FILLER PANEL. MATCH FINISH OF ADJ. CASEWORK.
F18	PROVIDE LOCK ON ALL CASEWORK DOORS AND DRAWERS SHOWN IN ELEVATION.
F27	3/4" PLYWOOD WITH PLASTIC LAMINATE FINISH - PL-1. SEE FINISH SCHEDULE FOR ADDITIONAL DETAILS.
F28	DESIGN RECESSED CASEWORK DRAWER, BASIS OF DESIGN: READY ACCESS SMALL TRANSACTION DRAWER (RA-SM1D 12X17X4). COORDINATE INSTALLATION WITH WALL FINISHES AND ADJACENT CASEWORK AND COUNTERTOP FOR A FLUSH & SECURE FIT WHILE MAINTAINING CLEARANCES FOR DRAWER OPERATION.
F32	FLAT HIDDEN COUNTERTOP SUPPORT BRACKETS AT EACH STUD TO SUPPORT SOLID SURFACE COUNTER. MEET LOWER BLOCKING AND STRAP SUPPORT AS NEEDED.
F33	TURN DOWN SOLID SURFACE COUNTER TO COORD. LOWER COUNTER SURFACE.
F39	PROVIDE PASS-THROUGH GROMMET IN COUNTER. CONFIRM SIZE OF GROMMET AND LOCATIONS WITH OWNERS.
F40	OVERLAP TRANSACTION DRAWER TRIM WITH STOREFRONT FRAME.
F41	ALIGN COUNTER WITH BOTTOM OF TRANSACTION DRAWER TRIM.
P1	SINK - SEE PLUMBING DRAWINGS
V3	PROVIDE ADDITIONAL WALL BLOCKING AT TV MOUNTING LOCATION

**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: **24112**

PROJ. MGR.: **JM** CHECKED BY: **NLH** DRAWN BY: **MCA, TLR, LAC**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

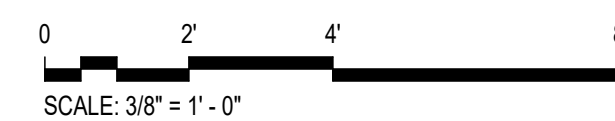
PLAN NORTH SITE NORTH

SHEET NAME:

**CASEWORK
ELEVATIONS & DETAILS**

SHEET NUMBER:

A801





INSTALLATION SHALL MEET AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.

1. SEE SITE PLAN SHEET FOR THE EXTENT OF ALL PIPING LEAVING AND ENTERING BUILDING.
2. MAKE PIPING CONNECTIONS AS REQUIRED TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL BRANCH MAINS, ELBOWS AND CONNECTIONS ARE NOT SHOWN.
3. CHECK WITH ARCHITECTURAL WORKING DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES.
4. SLOPES AND INVERT ELEVATIONS OF SEWERS, MANHOLES, ETC. SHALL BE ESTABLISHED AND VERIFIED BY CONTRACTOR BEFORE ANY PIPING IS INSTALLED. LOCATIONS FOR VERTICAL CLEARANCES SHALL BE TAKEN AT THE JOB SITE BEFORE INSTALLATION OF ANY PIPING.
5. ALL PIPES SHALL BE COORDINATED WITH OTHER DUCTS, PIPES, LIGHTS, STRUCTURAL SYSTEM, CEILING SUPPORTS AND FRAMING BEFORE INSTALLATION. MINOR PIPE OFFSETS SHALL BE PROVIDED AS REQUIRED.
6. ALL PIPING SHALL BE INSTALLED WITH MINIMUM CLEARANCES SHALL BE TAKEN AT THE JOB SITE BEFORE INSTALLATION OF ANY PIPING.
7. WASTE PIPE BELOW FLOOR, VENT PIPING ABOVE CEILING, PIPING OFFSET FOR CLARITY.
8. DOMESTIC WATER PIPING SHALL BE INSTALLED ABOVE DELINGS UNLESS NOTED OTHERWISE. DOMESTIC WATER PIPING SHOWN IN PIPE CHASE WALLS SHALL BE INSTALLED IN CHASE SPACE, PIPING OFFSET FOR CLARITY.
9. DOMESTIC WATER PIPING SHALL NOT BE INSTALLED IN LOCATIONS SUBJECT TO FREEZING OR SPACES EXTERIOR TO BUILDING INSULATION.
10. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS PUBLISHED INSTRUCTIONS.
11. MATERIALS AND INSTALLATION SHALL COMPLY WITH LOCAL CODES. APPLICABLE PROVISIONS OF LATEST EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION, LOCALITY REGULATIONS AND GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.
12. LIMITS OF CONTRACT: DOMESTIC WATER SERVICE, SANITARY AND STORM WATER PIPING SHALL BE EXTENDED UNDER THIS SECTION OF THE SPECIFICATIONS TO POINTS 3' BEYOND THE BUILDING LINES, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. THERE SHALL BE PIPES SHALL BE CAPPED OR PLUGGED AND LEFT READY FOR CONNECTION AND EXTENSION BY OTHERS, AND THE LOCATIONS MARKED WITH A STAKE OR OTHER APPROVED MEANS.
13. MODIFY FLUSH VALVE ON INDICATED HANDICAPPED WATER CLOSETS SO THAT OPERATOR IS ON RIGHT SIDE OF VALVE WHEN FACING THE PLUMBING FIXTURE. LOCATIONS OF HANDICAPPED WATER CLOSETS SHALL BE LOCATED TO ACCOMMODATE THE RETURN AIR PLenum. SEE DRAWINGS FOR WATER CLOSETS TO BE MODIFIED.
14. RETURN AIR PLenum NOTE: ALL MATERIALS LOCATED IN THE RETURN AIR PLenum SHALL MEET THE REQUIREMENTS OF THE INTERNATIONAL MECHANICAL CODE, SECTION 602.2.1.
15. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION OF PIPES WITH ELECTRICAL PANELS WHEN SHOWN NEAR PANELS.

1. THE ENTIRE BUILDING SHALL BE FULLY SPRINKLERED WITH A HYDRAULICALLY CALIBRATED SPRINKLER SYSTEM. THE ELEVATOR AND ELEVATOR MACHINE ROOM SHALL BE PROTECTED BY 272 DEG. F. SPRINKLERS AND THE REMAINING BUILDING SHALL BE PROTECTED BY 161 DEG. F. WET RATED SPRINKLER SYSTEM. ALL SYSTEMS SHALL COMPLY WITH NFPA 13-2019 AND THE 2021 VIRGINIA CONSTRUCTION CODE.
2. CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL SPRINKLERS AND SPRINKLER PIPING WITH OTHER PIPES, DUCTS, LIGHTS, EQUIPMENT, CONDUIT, AND ELECTRICAL. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION. SPRINKLER PIPING SHALL NOT BE INSTALLED WHERE ITS LOCATION IMPAIRS EQUIPMENT, FILTER AND MAINTENANCE ACCESS OR WHERE IT EXHAUSTS INTO AN EXHAUST SYSTEM OR INTO THE EXHAUST CODE. ALL SPRINKLERS TO BE CENTERED IN CEILING TILES. "CENTER OF TILE"
3. PROVIDE UL APPROVED FIRESTOPPING AT ALL LOCATIONS WHERE PIPES PENETRATE RAFTER ASSEMBLIES IN ACCORDANCE WITH SPECIFICATION SECTION 20-00.00, PARAGRAPH 2.04 AND VBC SECTION 712, INCLUDING BUT NOT LIMITED TO BEDROOM ENTRANCES AND TOILET ROOMS.
4. ALL SIDEWALL SPRINKLERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S MAINTENANCE AND CLEARANCE DISTANCES AND SHALL NOT BE LIMITED TO INSTALLATION WITH DEFLECTORS MINIMUM 4 INCHES BELOW CEILINGS AND MAXIMUM 6 INCHES BELOW CEILINGS, OR UP TO 12 INCHES BELOW CEILINGS WHEN LISTED APPROVED.
5. CAREFULLY COORDINATE LOCATIONS OF SPRINKLERS WITH SPACING MOUNTED TO THE MAIN FLOOR. MAINTAIN MINIMUM DISTANCES AND SPACING IN ACCORDANCE WITH THE MANUFACTURERS LISTINGS AND NFPA REQUIREMENTS. SIDEWALL SPRINKLERS SHALL BE INSTALLED WITH DEFLECTORS MINIMUM 5 INCHES BELOW CEILINGS, BUT NOT HIGHER THAN THE BOTTOM OF LIGHT FIXTURES.
6. WATER SUPPLY INFORMATION PROVIDED BY THE CITY OF BEDFORD WATER DEPARTMENT BASED ON A FLOW TEST DATED MARCH 14, 2025 AT HYDRANT # 001365 AT 1307 FALLOUT CREEK ROAD. CONTRACTOR SHALL PERFORM ADDITIONAL FLOW TESTS AS REQUIRED TO VERIFY DATA FOR USE IN DESIGN CALCULATIONS.

STATIC PRESSURE: 94 PSI
RESIDUAL PRESSURE: 24 PSI
FLOW: 817 GPM

ABOVE

BACK FLOW PREVENTER

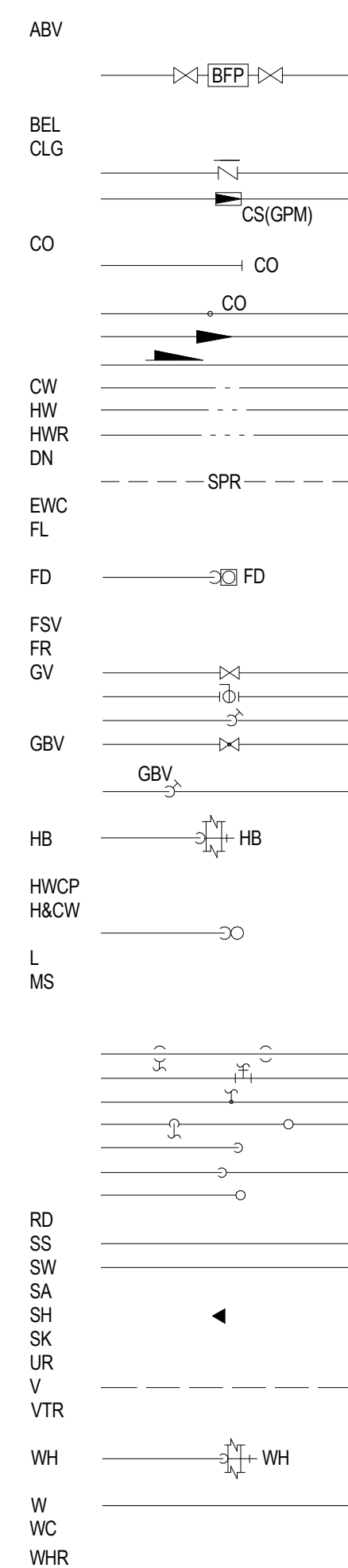
BELOW
CEILING
CHECK VALVE
CIRCUIT SETTER

CLEANOUT
IN HORIZONTAL OR BELOW FLOOR

IN VERTICAL OR FLUSH WITH FLOOR
DIRECTION OF FLOW
DIRECTION OF FLOW DOWN
DOMESTIC COLD WATER PIPE, NEW
DOMESTIC HOT WATER PIPE, NEW
DOMESTIC HOT WATER CIRCULATING PIPE, NEW
DOWN
DRY-PIPE SPRINKLER
ELECTRIC WATER COOLER
FLOOR
FLOOR DRAIN

FLOW SPLITTER VALVE
FROM
GATE VALVE
BALL VALVE
GATE VALVE (IN VERTICAL)
GLOBE VALVE

(GLOBE VALVE, IN VERTICAL)



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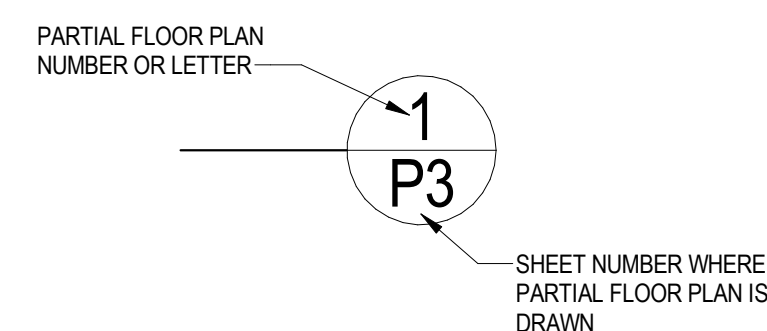
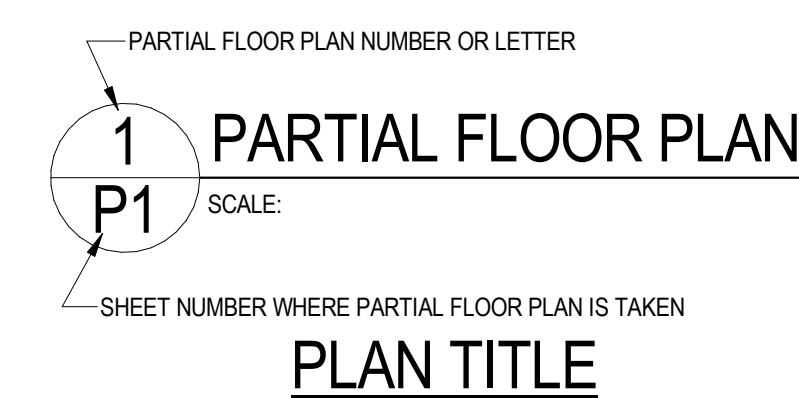
SPECTRUM DESIGN PROJECT NO.: **24112**

PROJ. MGR.: **RCH** CHECKED BY: **MGW** DRAWN BY: **CAD**

SHEET ISSUE DATE
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:



PLAN SYMBOL

PARTIAL FLOOR PLAN IDENTIFICATION



SHEET NAME:

PLUMBING LEGEND, DETAIL AND NOTES

SHEET NUMBER:

P001



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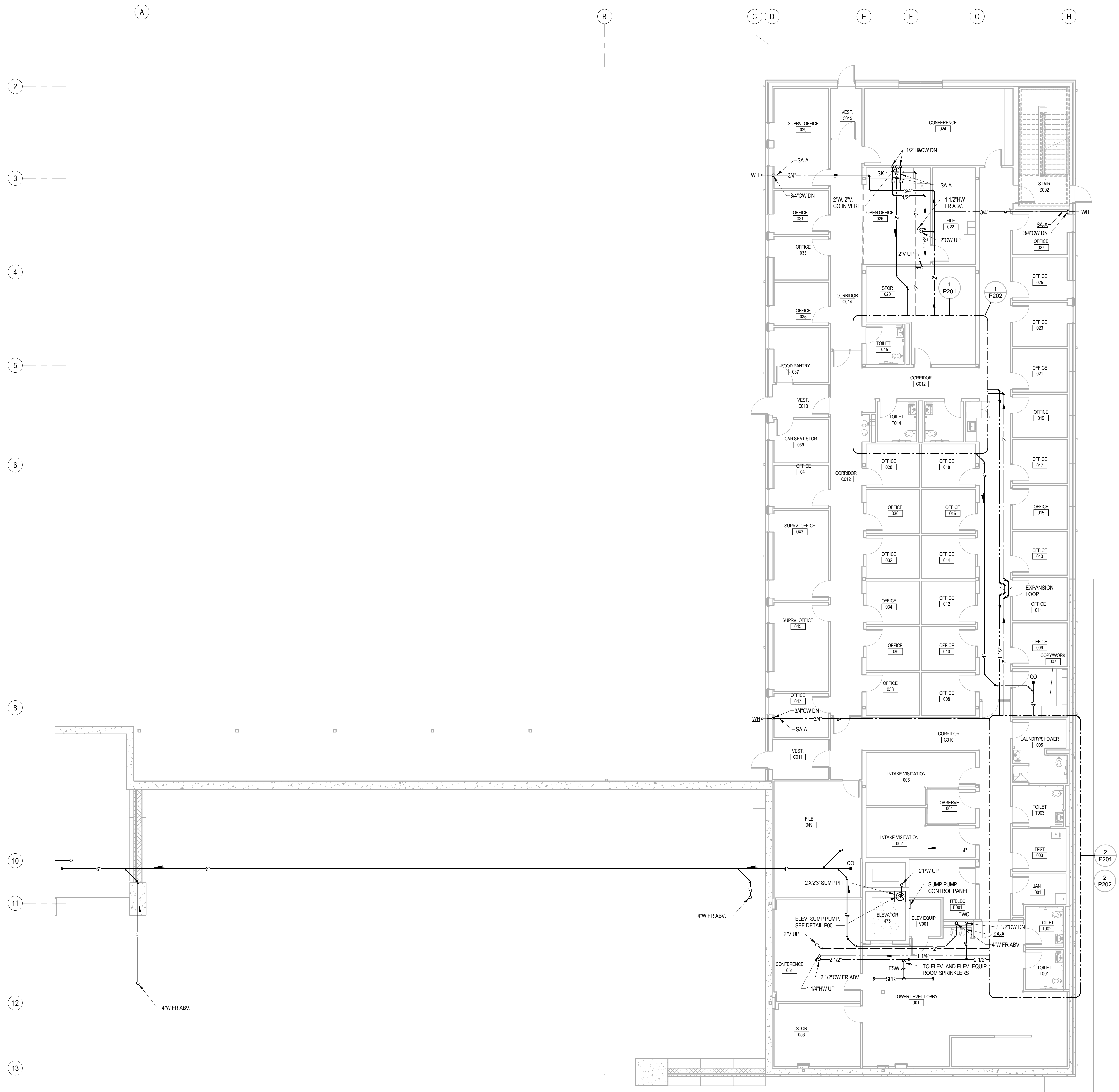
06/12/2026
 RICHARD C.
 HUGHES
 Lic. No. 045688
 PROFESSIONAL ENGINEER

SHEET REVISIONS:

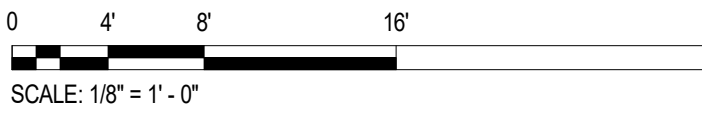
SHEET NAME:

**LOWER LEVEL FLOOR
PLAN - PLUMBING**

SHEET NUMBER:
P101



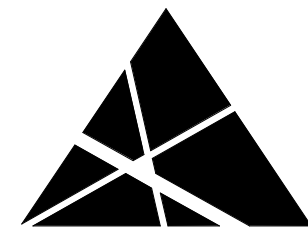
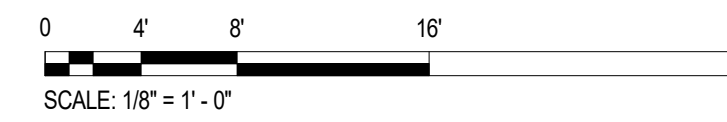
LOWER LEVEL FLOOR PLAN - PLUMBING



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MAIN LEVEL FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



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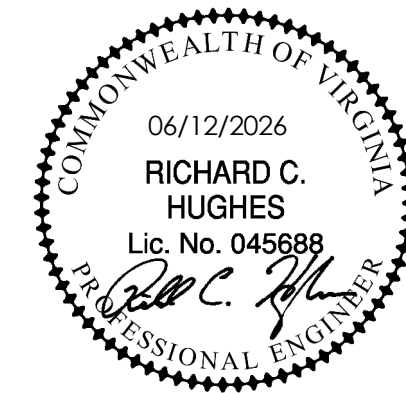
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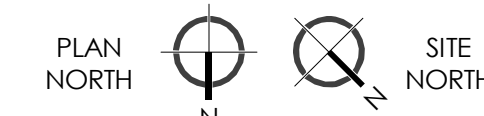


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06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

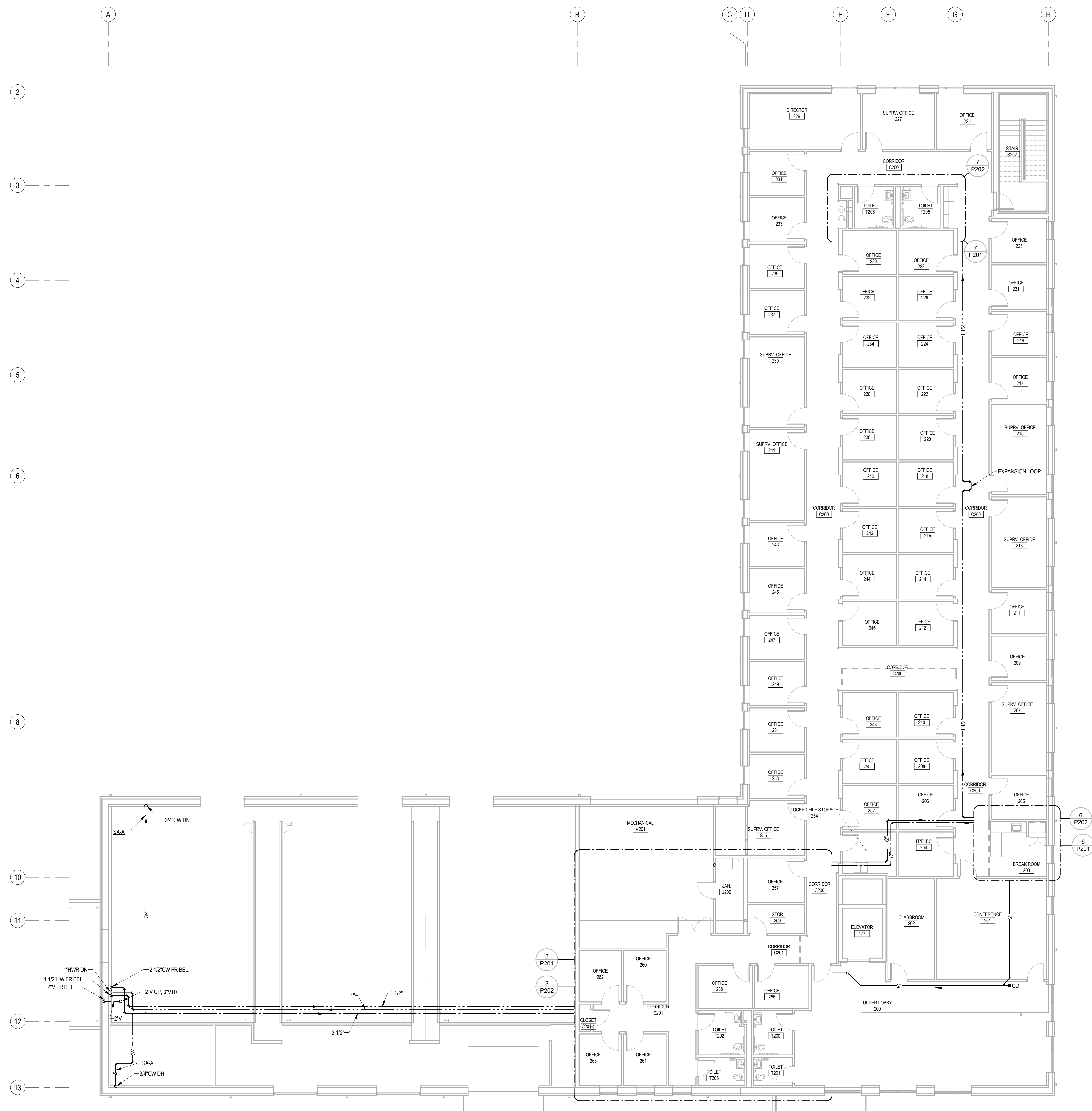


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**MAIN LEVEL FLOOR
PLAN - PLUMBING**

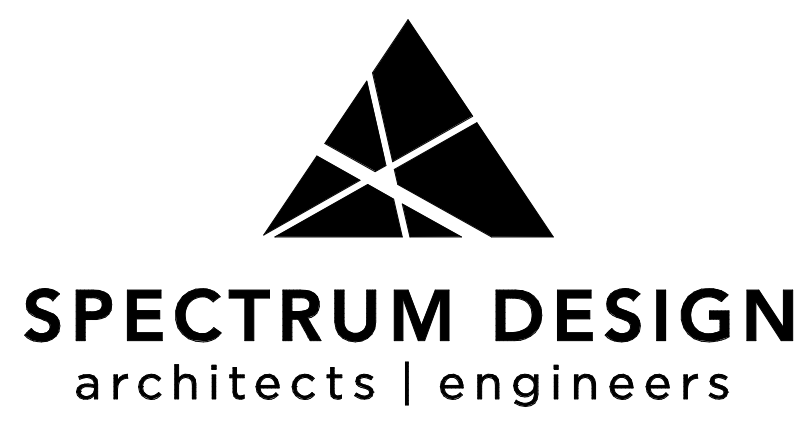
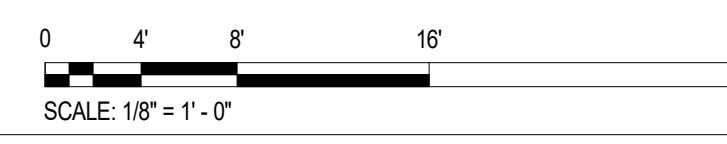
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P102

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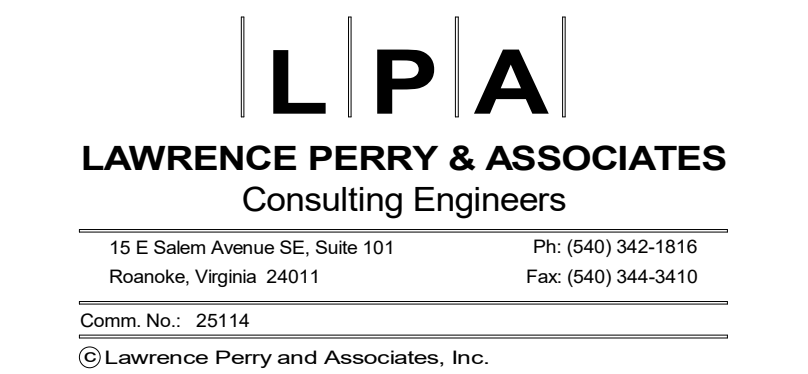


UPPER LEVEL FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



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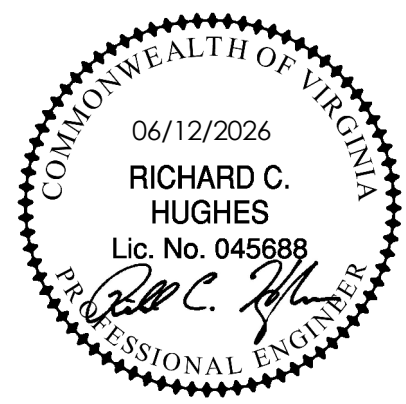
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BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: RCH CHECKED BY: MGW DRAWN BY: CAD

SHEET ISSUE DATE:
06.12.2026

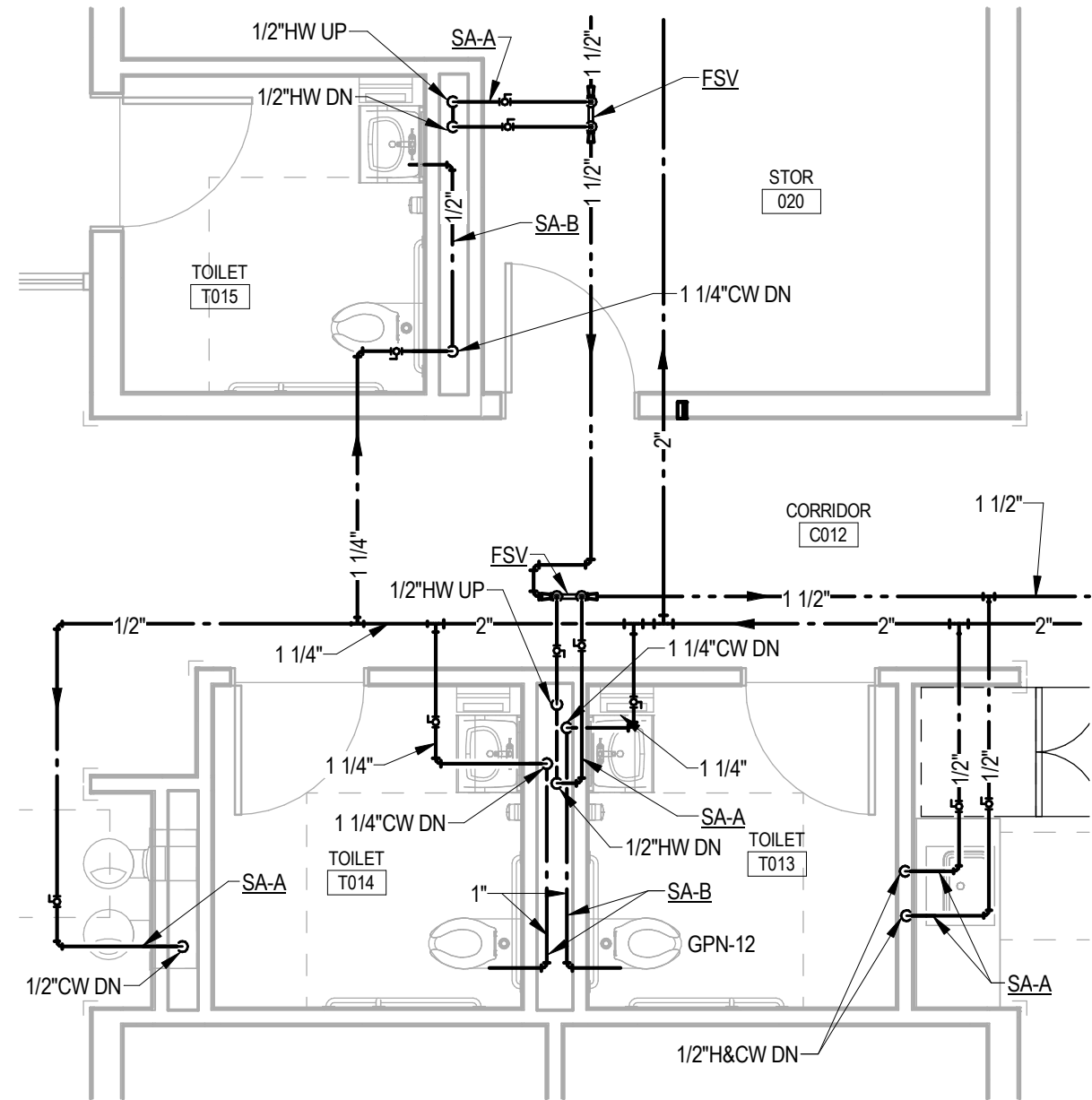
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BID DOCUMENTS

SHEET REVISIONS:

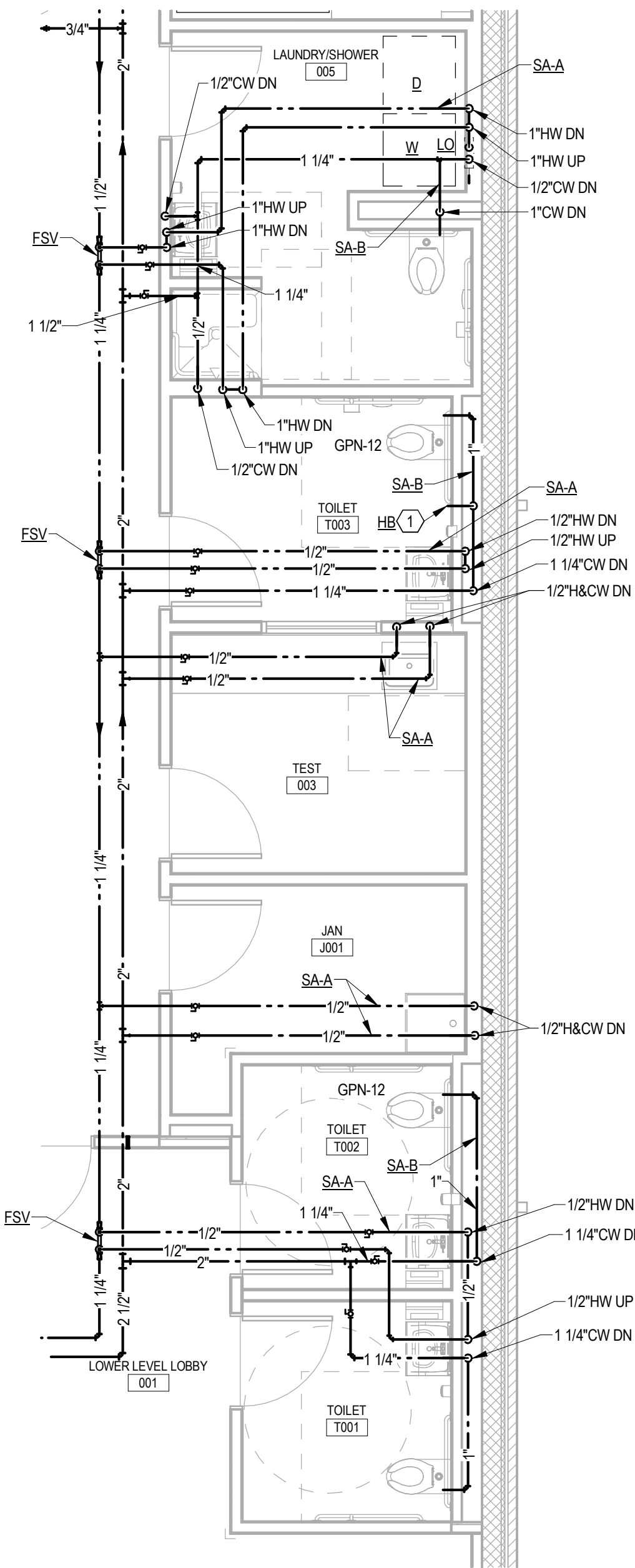


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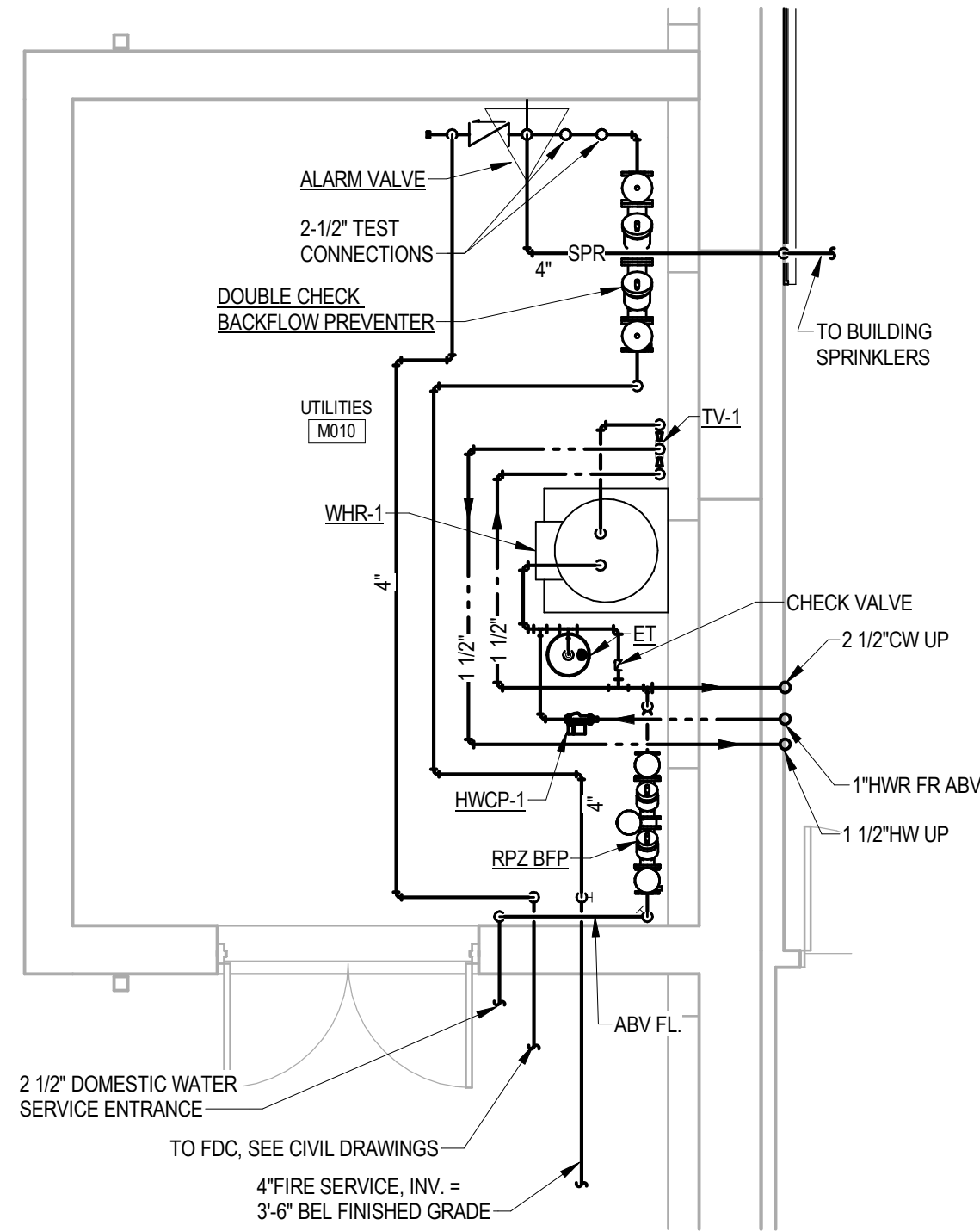
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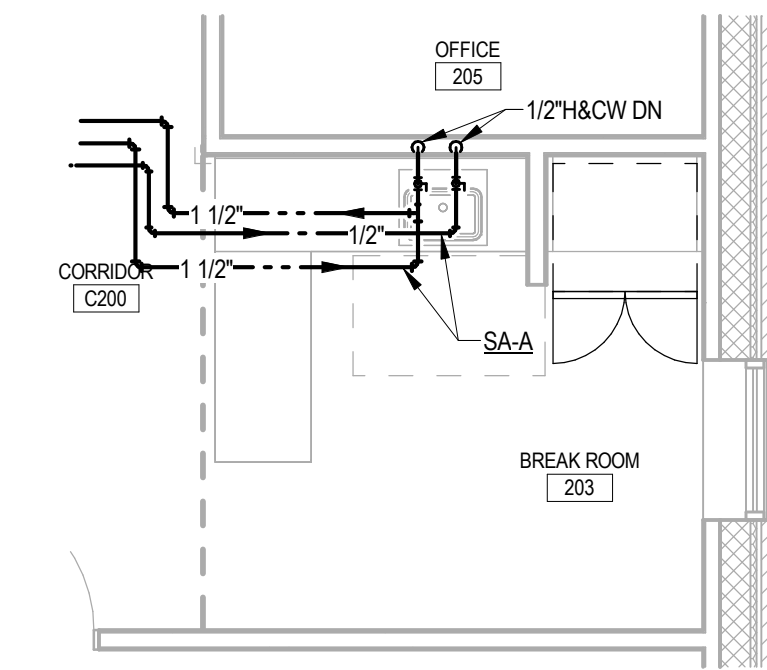
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P101 SCALE: 1/4" = 1'-0"



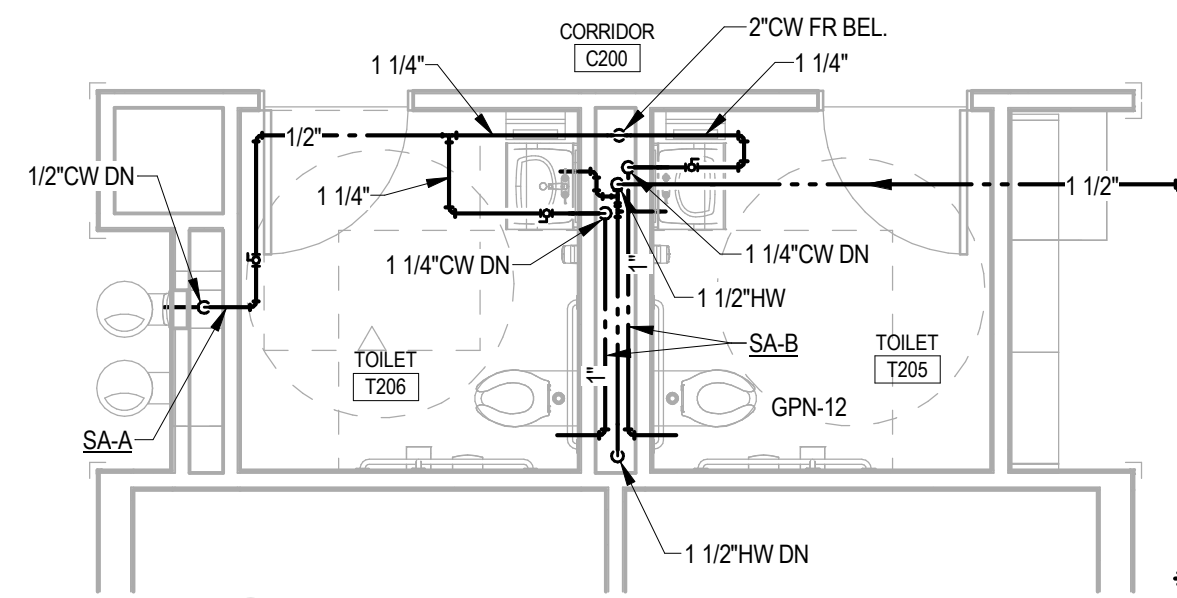
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P101 SCALE: 1/4" = 1'-0"



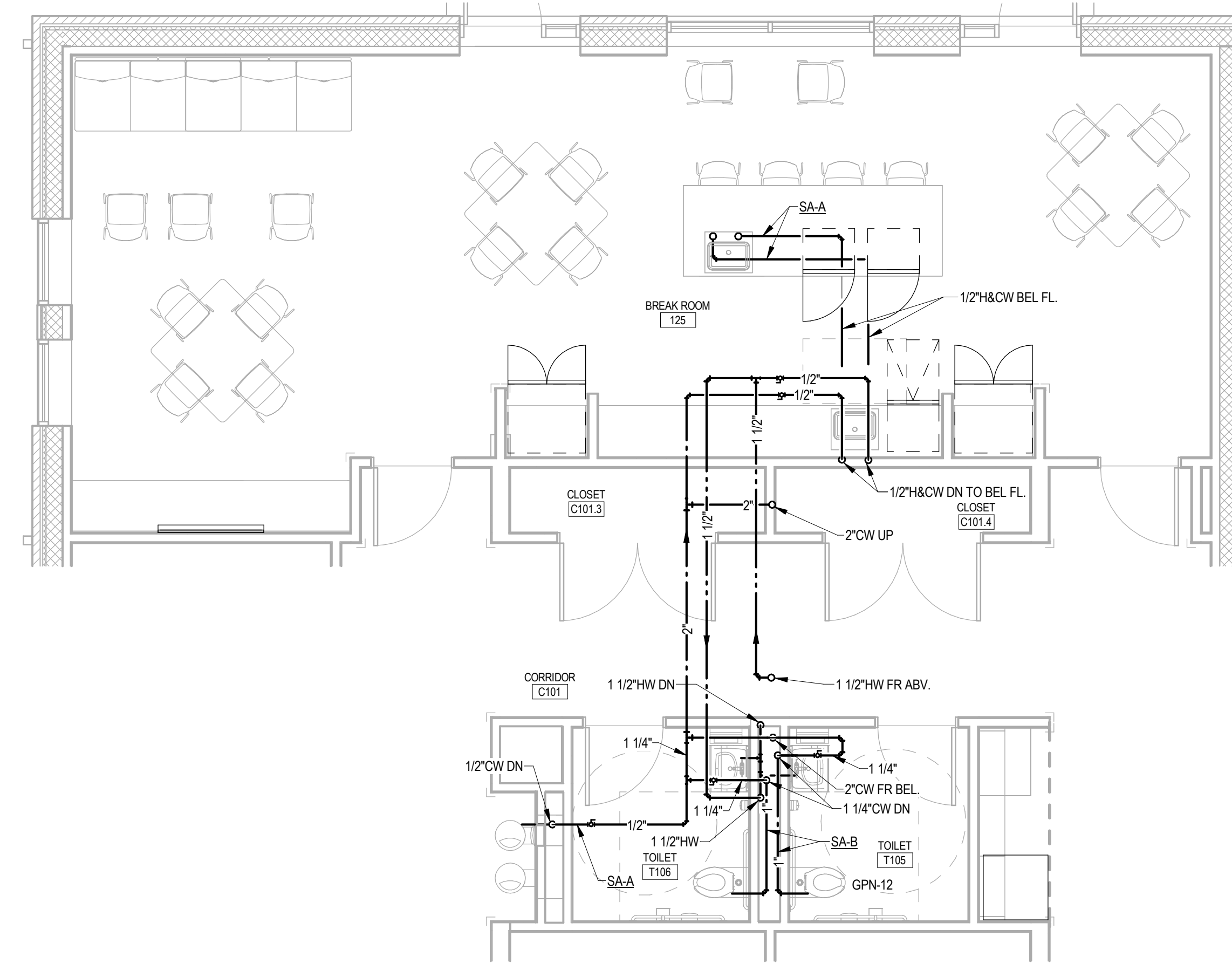
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P102 SCALE: 1/4" = 1'-0"



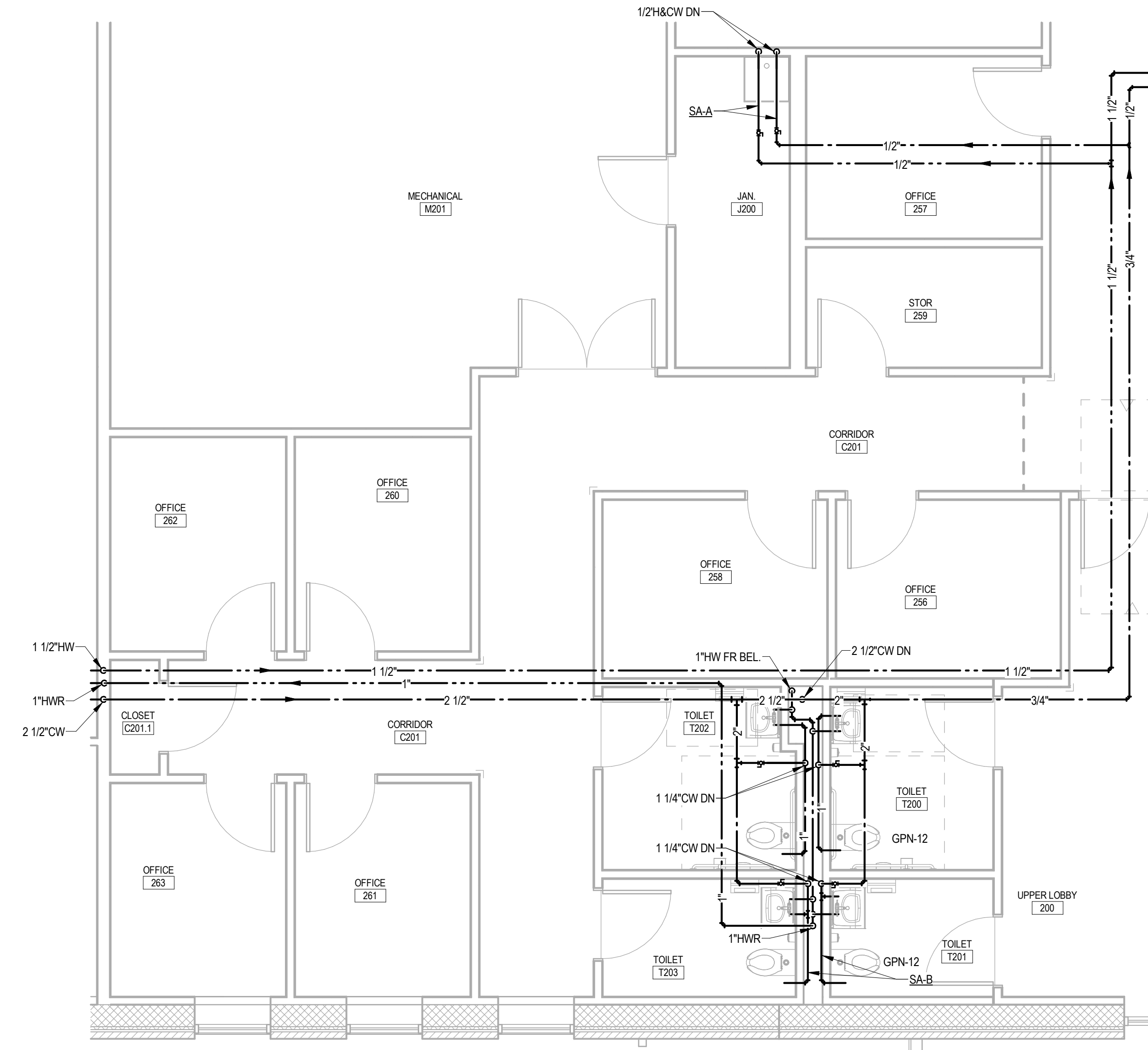
6 PARTIAL PLAN - PLUMBING
P103 SCALE: 1/4" = 1'-0"



7 PARTIAL PLAN - PLUMBING
P103 SCALE: 1/4" = 1'-0"



4 PARTIAL PLAN - PLUMBING
P102 SCALE: 1/4" = 1'-0"



8 PARTIAL PLAN - PLUMBING
P103 SCALE: 1/4" = 1'-0"

PARTIAL PLAN NOTES:

- LOOKING RECESSED HOSE BIBB

0 2 4 8
SCALE: 1/4" = 1'-0"

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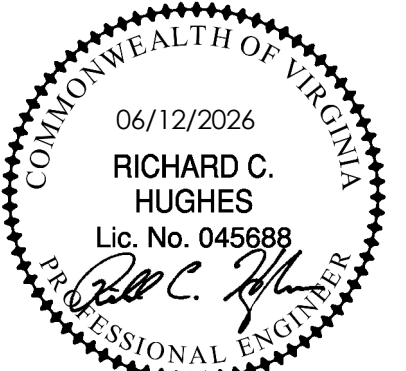
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BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **RCH** CHECKED BY: **MGW** DRAWN BY: **CAD**

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

PLAN NORTH
N
SITE NORTH
N

SHEET NAME:

**ENLARGED PLANS -
DOMESTIC WATER**

SHEET NUMBER:

P201



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SPECTRUM DESIGN PROJECT NO.: **24112**

SHEET ISSUE DATE
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:



ENLARGED PLANS - SANITARY

SHEET NUMBER:

P202

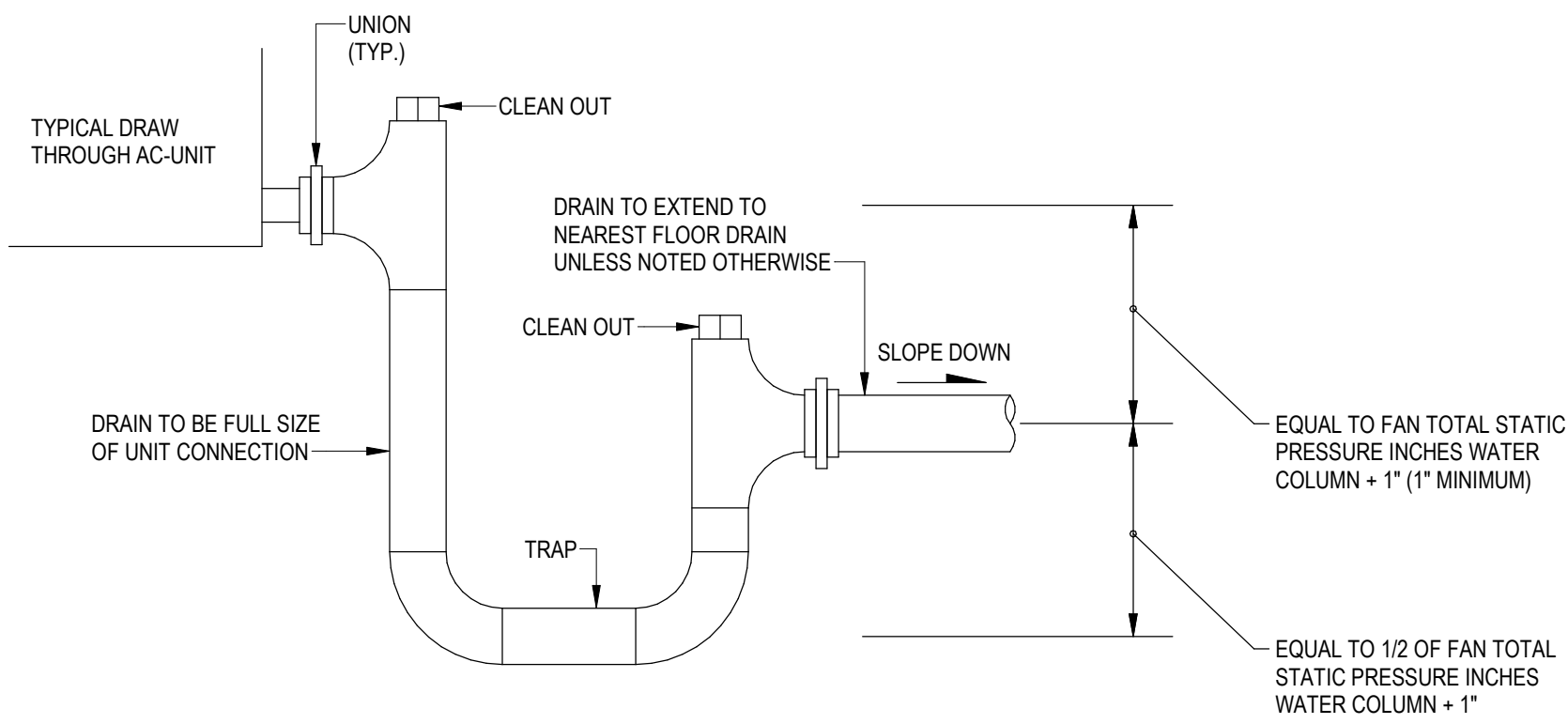
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VARIABLE AIR VOLUME HEATING BOXES: TRANE												
MARK	TYPE	MAX AIR F.D., IN. W.C.	INLET Ø, IN.	COOLING CFM		HEATING CFM	HEATING CAPACITY KW	ELEC VOLTS/PH	MODEL #			NOTES
				MAX	DCV MIN	MIN						
VAV-001	SHUT-OFF	0.25	8	350	---	105	235	2.5	277 / 1	VCEF		1,2,3,4
VAV-002	SHUT-OFF	0.25	6	350	---	105	235	2.5	277 / 1	VCEF		1,2,3,4
VAV-003	SHUT-OFF	0.25	8	700	---	215	470	6.0	480 / 3	VCEF		1,2,3,4
VAV-004	SHUT-OFF	0.25	8	800	---	245	540	7.0	480 / 3	VCEF		1,2,3,4
VAV-005	SHUT-OFF	0.25	10	1000	---	310	675	8.5	480 / 3	VCEF		1,2,3,4
VAV-006	SHUT-OFF	0.25	6	450	---	135	300	4.0	480 / 3	VCEF		1,2,3,4
VAV-007	SHUT-OFF	0.25	8	575	---	175	385	5.0	277 / 1	VCEF		1,2,3,4
VAV-008	SHUT-OFF	0.25	4	225	---	75	150	1.5	277 / 1	VCEF		1,2,3,4
VAV-009	SHUT-OFF	0.25	5	300	---	90	200	2.0	277 / 1	VCEF		1,2,3,4
VAV-010	SHUT-OFF	0.25	5	325	---	105	220	2.0	277 / 1	VCEF		1,2,3,4
VAV-011	SHUT-OFF	0.25	5	275	---	85	185	2.0	277 / 1	VCEF		1,2,3,4
VAV-012	SHUT-OFF	0.25	6	400	---	120	270	2.5	277 / 1	VCEF		1,2,3,4
VAV-013	SHUT-OFF	0.25	5	300	---	90	200	2.0	277 / 1	VCEF		1,2,3,4
VAV-014	SHUT-OFF	0.25	6	450	---	135	300	3.0	277 / 1	VCEF		1,2,3,4
VAV-015	SHUT-OFF	0.25	8	475	---	145	320	3.0	277 / 1	VCEF		1,2,3,4
VAV-016	SHUT-OFF	0.25	8	575	---	175	390	3.5	277 / 1	VCEF		1,2,3,4
VAV-101	SHUT-OFF	0.25	12	1450	---	435	970	12.5	480 / 3	VCEF		1,2,3,4
VAV-102	SHUT-OFF	0.25	4	110	---	35	75	1.0	277 / 1	VCEF		1,2,3,4
VAV-103	SHUT-OFF	0.25	5	250	---	85	170	2.0	277 / 1	VCEF		1,2,3,4
VAV-104	SHUT-OFF	0.25	8	600	---	185	405	5.0	480 / 3	VCEF		1,2,3,4
VAV-105	SHUT-OFF	0.25	8	725	---	220	485	6.0	480 / 3	VCEF		1,2,3,4
VAV-106	SHUT-OFF	0.25	10	925	---	280	625	8.0	480 / 3	VCEF		1,2,3,4
VAV-107	SHUT-OFF	0.25	12	1800	240	540	1200	15.0	480 / 3	VCEF		1,2,3,4,5
VAV-108	SHUT-OFF	0.25	8	725	---	220	485	6.0	480 / 3	VCEF		1,2,3,4
VAV-109	SHUT-OFF	0.25	8	575	---	175	385	5.0	480 / 3	VCEF		1,2,3,4
VAV-110	SHUT-OFF	0.25	8	825	---	255	555	7.0	480 / 3	VCEF		1,2,3,4
VAV-111	SHUT-OFF	0.25	5	300	---	100	200	2.0	277 / 1	VCEF		1,2,3,4
VAV-112	SHUT-OFF	0.25	6	450	---	135	300	3.0	277 / 1	VCEF		1,2,3,4
VAV-113	SHUT-OFF	0.25	6	375	---	115	250	2.5	277 / 1	VCEF		1,2,3,4
VAV-114	SHUT-OFF	0.25	6	450	---	135	300	3.0	277 / 1	VCEF		1,2,3,4
VAV-115	SHUT-OFF	0.25	5	275	---	85	185	2.0	277 / 1	VCEF		1,2,3,4
VAV-116	SHUT-OFF	0.25	6	350	---	105	235	2.5	277 / 1	VCEF		1,2,3,4
VAV-201	SHUT-OFF	0.25	8	450	---	135	300	3.5	277 / 1	VCEF		1,2,3,4
VAV-202	SHUT-OFF	0.25	6	375	---	115	250	2.5	277 / 1	VCEF		1,2,3,4
VAV-203	SHUT-OFF	0.25	4	200	---	60	135	1.5	277 / 1	VCEF		1,2,3,4
VAV-204	SHUT-OFF	0.25	8	700	---	210	465	6.0	480 / 3	VCEF		1,2,3,4
VAV-205	SHUT-OFF	0.25	8	675	---	210	460	6.0	480 / 3	VCEF		1,2,3,4
VAV-206	SHUT-OFF	0.25	8	500	---	150	335	4.5	480 / 3	VCEF		1,2,3,4
VAV-207	SHUT-OFF	0.25	8	525	---	165	360	4.5	480 / 3	VCEF		1,2,3,4
VAV-208	SHUT-OFF	0.25	6	400	---	120	270	3.5	277 / 1	VCEF		1,2,3,4
VAV-209	SHUT-OFF	0.25	8	750	---	225	505	6.5	480 / 3	VCEF		1,2,3,4
VAV-210	SHUT-OFF	0.25	6	450	---	135	300	4.0	480 / 3	VCEF		1,2,3,4
VAV-211	SHUT-OFF	0.25	6	425	---	130	285	3.5	277 / 1	VCEF		1,2,3,4
VAV-212	SHUT-OFF	0.25	8	575	---	175	385	5.0	480 / 3	VCEF		1,2,3,4
VAV-213	SHUT-OFF	0.25	8	575	---	175	385	5.0	480 / 3	VCEF		1,2,3,4
VAV-214	SHUT-OFF	0.25	6	450	---	135	300	3.5	277 / 1	VCEF		1,2,3,4
VAV-215	SHUT-OFF	0.25	10	1075	---	325	720	9.0	480 / 3	VCEF		1,2,3,4
VAV-216	SHUT-OFF	0.25	5	375	---	115	250	2.5	277 / 1	VCEF		1,2,3,4
VAV-217	SHUT-OFF	0.25	6	450	---	135	300	2.5	277 / 1	VCEF		1,2,3,4
VAV-218	SHUT-OFF	0.25	5	400	---	120	270	2.5	277 / 1	VCEF		1,2,3,4
VAV-219	SHUT-OFF	0.25	5	300	---	100	200	2.0	277 / 1	VCEF		1,2,3,4
VAV-220	SHUT-OFF	0.25	8	500	---	150	335	3.0	277 / 1	VCEF		1,2,3,4
VAV-221	SHUT-OFF	0.25	6	450	---	135	300	3.0	277 / 1	VCEF		1,2,3,4
VAV-301	SHUT-OFF	0.25	12	1550	250	465	1035	13.5	480 / 3	VCEF		1,2,3,4,5
VAV-302	SHUT-OFF	0.25	12	1550	250	465	1035	13.5	480 / 3	VCEF		1,2,3,4,5
VAV-303	SHUT-OFF	0.25	12	1550	250	465	1035	13.5	480 / 3	VCEF		1,2,3,4,5
VAV-304	SHUT-OFF	0.25	8	550	---	165	370	4.5	480 / 3	VCEF		1,2,3,4
VAV-305	SHUT-OFF	0.25	10	925	---	280	620	7.0	480 / 3	VCEF		1,2,3,4
VAV-306	SHUT-OFF	0.25	10	1250	---	375	835	10.5	480 / 3	VCEF		1,2,3,4
NOTES: 1. BOX AIR PRESSURE DROP (INCLUDING HEATING COIL) SHALL NOT EXCEED THE SCHEDULED QUANTITY. 2. ELECTRIC HEATERS SHALL HAVE SCR CONTROL. 3. PROVIDE STEP-DOWN TRANSFORMER FROM SCHEDULED UNIT VOLTAGE TO 24V. PROVIDE DISCONNECT SWITCH. 4. ROUND DUCT FROM MAIN TO VAV INLET SHALL MATCH SCHEDULED INLET DIMENSION UNLESS OTHERWISE NOTED. 4. PROVIDE MINIMUM DEMAND CONTROL VENTILATION (DCV) SETPOINT AS NOTED.												

FANS: GREENHECK									
MARK	TYPE	CFM	ESP	RPM	MOTOR HP	VOLTS/PH	UNIT WEIGHT (LBS)	MODEL	NOTES
IEF-1	INLINE	350	0.40	1,297	1/4	115/1	50	SQ-98-VG	1,2,4
IEF-2	INLINE	375	0.40	1,867	1/4	115/1	50	SQ-98-VG	1,2,4
IEF-3	INLINE	550	0.40	1,653	1/4	115/1	50	SQ-98-VG	1,2,4
IEF-4	INLINE	2,150	0.50	1,795	1	280/3	84	SQ-12-M2-VG	1,2,3,5
IEF-5	INLINE	300	0.40	1,221	1/4	115/1	50	SQ-98-VG	1,2,4
IEF-6	INLINE	350	0.40	1,297	1/4	115/1	50	SQ-98-VG	1,2,3,6
IEF-7	INLINE	350	0.40	1,297	1/4	115/1	50	SQ-98-VG	1,2,3,6
IEF-8	INLINE	350	0.40	1,297	1/4	115/1	50	SQ-98-VG	1,2,3,6
NOTES: 1. PROVIDE FACTORY INSTALLED DISCONNECT SWITCH. 2. PROVIDE LINE-VOLTAGE COOLING-ONLY THERMOSTAT. 3. PROVIDE LINE-VOLTAGE COOLING-ONLY THERMOSTAT. 4. ROUND DUCT FROM MAIN TO VAV INLET SHALL MATCH SCHEDULED INLET DIMENSION UNLESS OTHERWISE NOTED. 4. PROVIDE MINIMUM DEMAND CONTROL VENTILATION (DCV) SETPOINT AS NOTED.									
1. PROVIDE FACTORY INSTALLED DISCONNECT SWITCH.					2. PROVIDE SPEED CONTROLLER FOR AIR BALANCE OF FAN.				
3. PROVIDE LINE-VOLTAGE COOLING-ONLY THERMOSTAT.					4. RUN CONTINUOUSLY DURING BUILDING OCCUPIED MODE.				
5. INTERLOCK FAN WITH INTAKE AND EXHAUST MOTOR OPERATED DAMPERS.					6. PROVIDE FAN INLET GUARD COVER.				

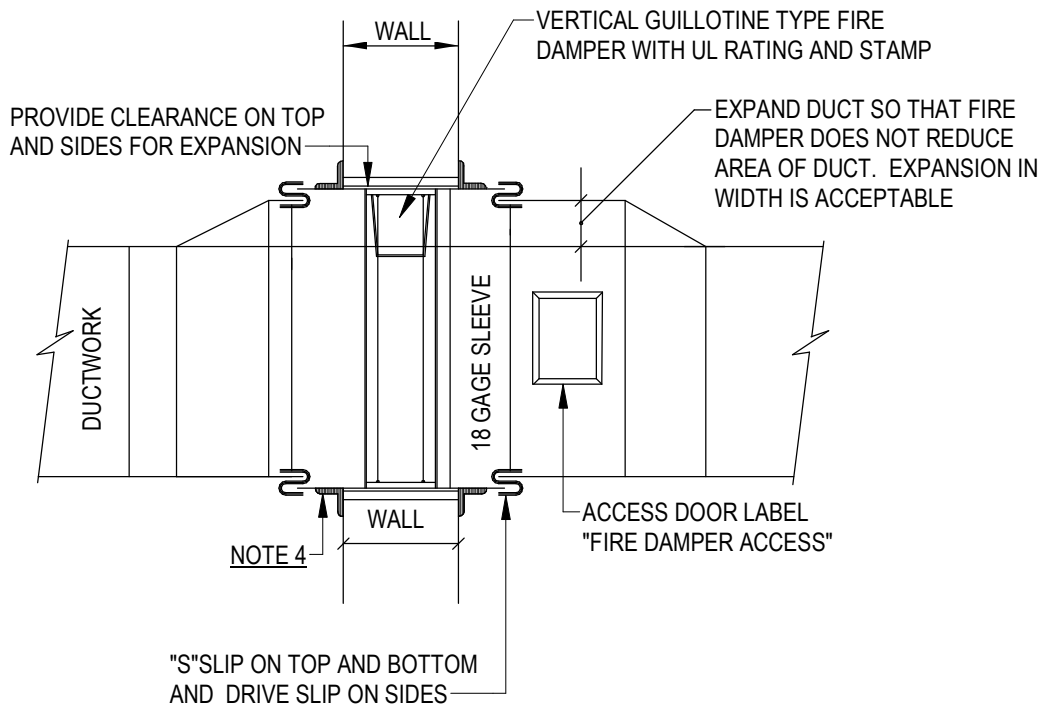
SPLIT SYSTEM HEAT PUMP: TRANE											
MARK	TYPE	AIRFLOW (CFM) (HIGH/MED/LOW)	COOLING		HEATING		ELECTRICAL			MODEL	NOTES
			TOTAL CAP (MBH)	EAT COOLING DEG F. DB/WB	TOTAL CAP (MBH)	EAT HEATING DEG F.	V/PH	MCA	MOCP		
DSS-1	WALL-MOUNTED	385 / 325 / 265	12	80 / 67	---	---	POWERED BY OUTDOOR UNIT			PKA-AL12NL	2,3,4
ODU-1	OUTDOOR CONDENSING UNIT	---	---	---	---	---	208 / 1	16	27	PUY-AK12NL	1,5
NOTES: 1. COOLING AND HEATING CAPACITY BASED ON ARI CONDITIONS. 2. FURNISH WITH SEVEN DAY PROGRAMMABLE THERMOSTAT, MANUFACTURER CONTROLS, AND CONDENSATE DRAIN ALARM. 3. PROVIDE 208V CONDENSATE DRAIN PUMP PER MANUFACTURER SPECIFICATIONS, AND DISCONNECT SWITCH. 4. COOLING OPERATION ONLY. LOCK OUT HEATING MODE. 5. MOUNT ON HOUSEKEEPING PAD.											

AIR HANDLING UNITS: TRANE			
UNIT MARK	AHU-1 / CU-1	RTU-1	
AREA SERVED	OFFICE WING	TRAINING WING	
CV OR VAV	MULTI-ZONE VAV	MULTI-ZONE VAV	
SUPPLY FAN AIRFLOW, CFM	25,000	6,475	
ESP, IN. W.C.	1.50	1.50	
MOTOR Hp	15	4.8	
OUTSIDE AIRFLOW, CFM (DCV / DESIGN)	4460 / 4570	835 / 1670	
RETURN FAN AIRFLOW, CFM	22,500	---	
ESP, IN. W.C.	1.50	---	
MOTOR Hp	15	---	
COOLING COIL (DX)	---	---	
TOTAL CAPACITY, MBH	1,025.7	234.9	
SENSIBLE CAPACITY, MBH	685.5	171.6	
ENT. AIR TEMP. * F, DB / WB	80 / 67	82.5 / 68.3	
LEAV. AIR TEMP. * F, DB / WB	55.0 / 53.6	58.4 / 56.9	
HEAT PUMP MODE	---	---	
TOTAL CAPACITY, MBH	---	235.9	
HEATING AIRFLOW, CFM	---	4,315	
ENT. AIR TEMP. * F, DB / WB	---	45	
LEAV. AIR TEMP. * F, DB / WB	---	84.2	
HEATING	---	---	
HEATING AIRFLOW, CFM	16,665	4,315	
CAPACITY, KW	224.8	72	
ENT. AIR TEMP. * F, DB / WB	45	45	
LEAV. AIR TEMP. * F, DB / WB	80	79.5	
FILTERS (TYPE)	---	---	
SUPPLY	MERV 13	MERV 13	
UNIT ELECTRICAL, V / Ph	460/3	460/3	
MCA / MOP, A	---	142 / 150	
SCCR, KAIC	---	65	
CIRCUIT 1 MCA / MOP, A	86.65 / 125	---	
CIRCUIT 1 SCCR, KAIC	65	---	
CIRCUIT 2 MCA / MOP, A	282.47 / 300	---	
CIRCUIT 2 SCCR, KAIC	N/A	---	
ESTIMATED UNIT WEIGHT, LBS	12,206	2,582	
UNIT MODEL NO.	PSCA052	WSK240A4SQR	
OUTDOOR CONDENSING UNIT	---	---	
NOMINAL CAPACITY, MBH	960	---	
UNIT ELECTRICAL, V / Ph	460 / 3	---	
MCA / MOP, A	178 / 200	---	
SCCR, KAIC	65	---	
ESTIMATED UNIT WEIGHT, LBS	5,351	---	
UNIT MODEL NO.	INTELLICORE 80T	---	
AHU-1 / CU-1 NOTES:			
1. COOLING SELECTIONS BASED ON 93.1°F AMBIENT TEMP.			
2. HEAT PUMP HEATING PERFORMANCE BASED ON 45°F AMBIENT TEMP.			
3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH FOR AHU & CU.			
4. PROVIDE FACTORY MOUNTED VFDs.			
5. MOUNT CU-1 ON HOUSEKEEPING PAD W/ MANUFACTURER VIBRATION PADS.			
6. MOUNT AHU-1 ON HOUSEKEEPING PAD.			
7. SUPPLY FAN EXTERNAL STATIC PRESSURE INCLUDES 0.25 INCHES H2O FOR FILTER LOADING.			
8. PROVIDE ENTHALPHY ECONOMIZER.			
RTU-1 NOTES:			
1. COOLING SELECTIONS BASED ON 93.1°F AMBIENT TEMP.			
2. HEATING SELECTIONS BASED ON 13°F AMBIENT TEMP.			
3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH AND FACTORY WIRED GFI OUTLET.			
4. PROVIDE FACTORY MOUNTED VFD.			
5. PROVIDE 14" CURB SUITABLE FOR PITCHED ROOF.			
6. SUPPLY FAN EXTERNAL STATIC PRESSURE INCLUDES 0.25 INCHES H2O FOR FILTER LOADING.			
7. PROVIDE ENTHALPHY ECONOMIZER KIT WITH BAROMETRIC RELIEF DAMPER.			



COOLING COIL CONDENSATE DRAIN

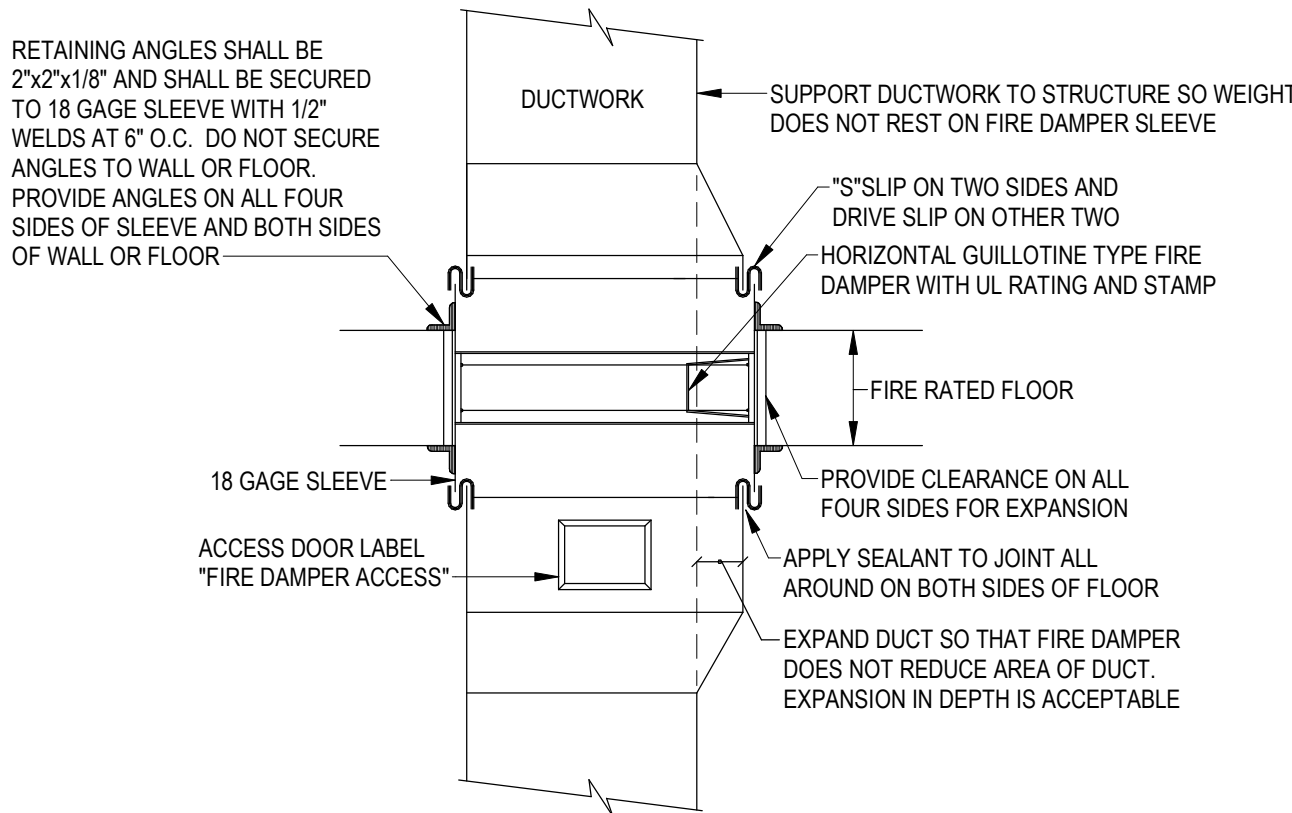
NO SCALE



- NOTE:
1. INSTALL ALL FIRE DAMPERS IN ACCORDANCE WITH THE N.F.P.A. PAMPHLET NO. 90A AND LOCAL CODES.
 2. APPLY SEALANT TO JOINT ALL AROUND ON BOTH SIDES OF WALL.
 3. FASTEN FIRE DAMPER FRAME TO SLEEVE WITH 1/2" WELDS AT 6" O.C.
 4. RETAINING ANGLES SHALL BE 2"x2"x1/8" AND SHALL BE SECURED TO 18 GAUGE SLEEVE WITH 1/2" WELDS AT 6" O.C. DO NOT SECURE ANGLES TO WALL OR FLOOR. PROVIDE ANGLES ON ALL FOUR SIDES OF SLEEVE AND BOTH SIDES OF WALL OR FLOOR.

FIRE DAMPER AT FIRE RATED WALL DETAIL

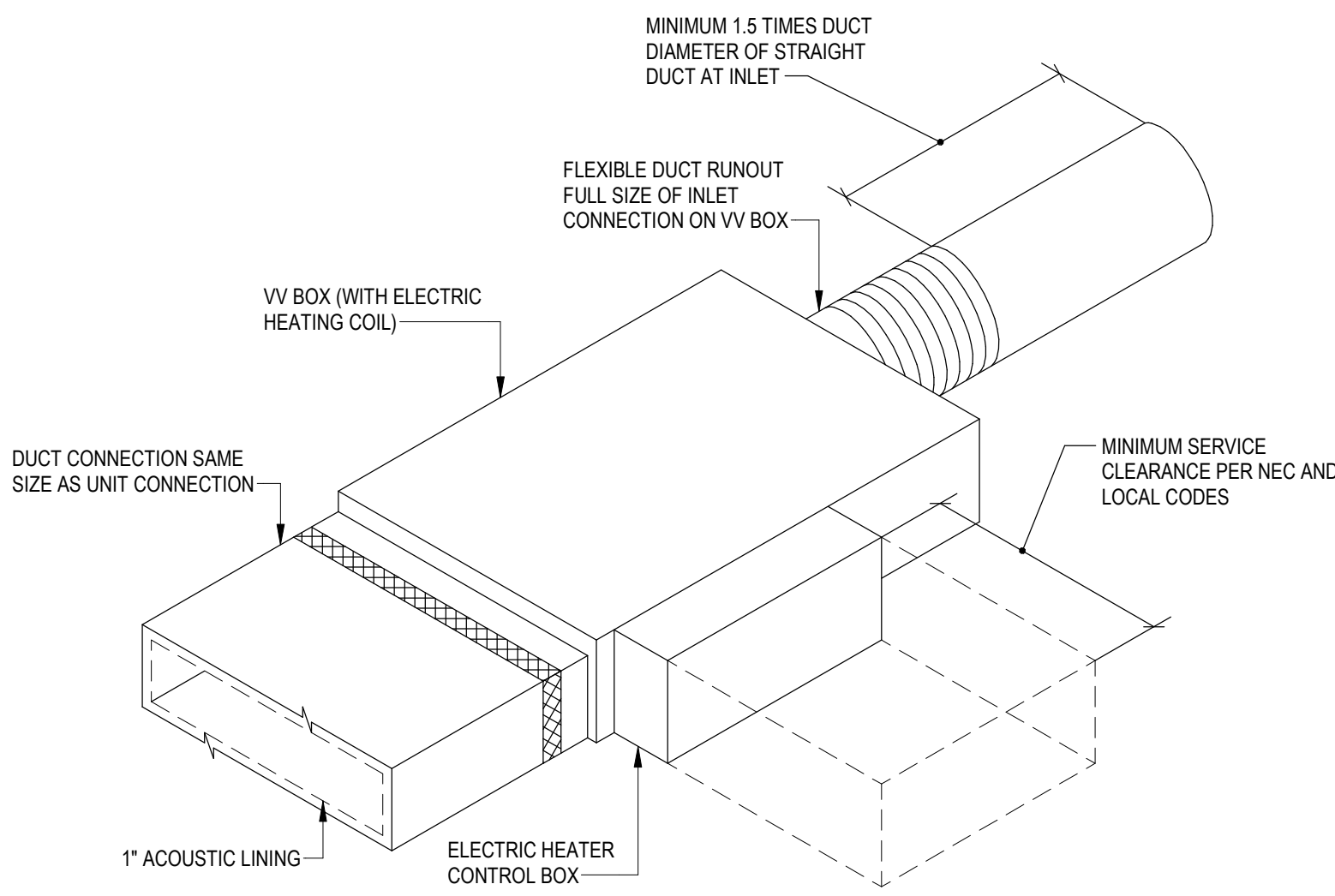
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- NOTE:
1. INSTALL ALL FIRE DAMPERS IN ACCORDANCE WITH THE N.F.P.A. PAMPHLET NO. 90A AND LOCAL CODES.
 2. FASTEN FIRE DAMPER FRAME TO SLEEVE WITH 1/2" WELDS AT 6" O.C.

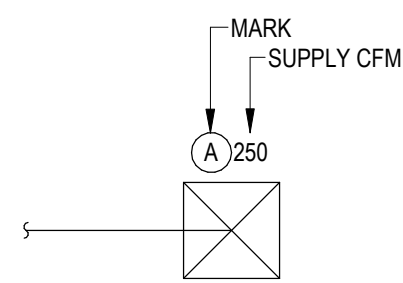
FIRE DAMPER AT FIRE RATED FLOOR DETAIL

NO SCALE



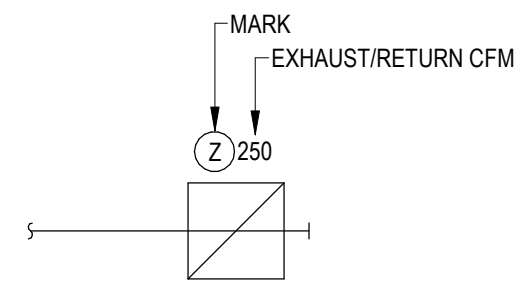
VARIABLE VOLUME SHUT-OFF BOX WITH ELECTRIC HEAT CONNECTION DETAIL

SCHEMATIC



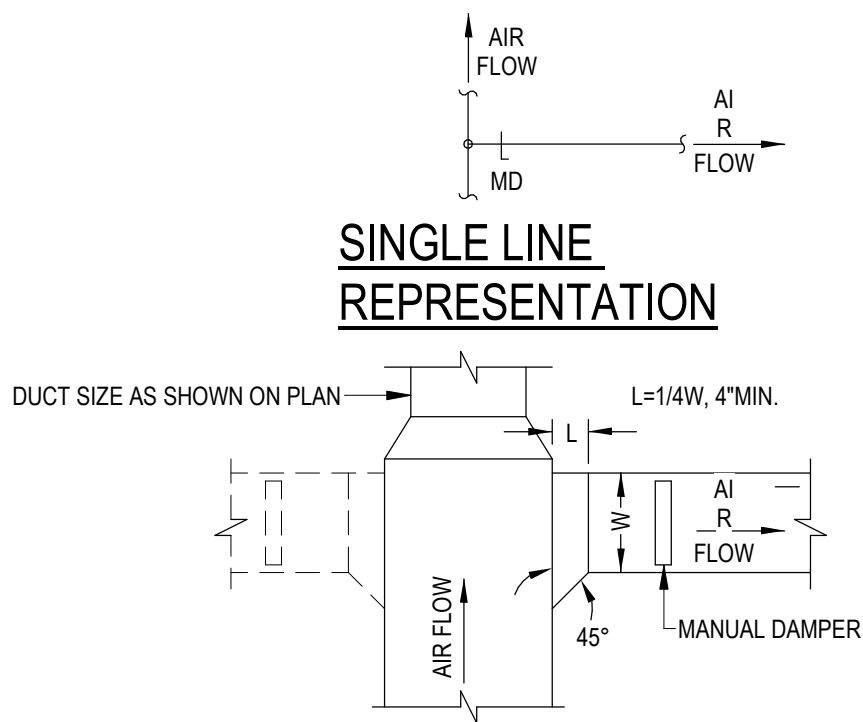
DIFFUSER SIZING DETAIL

NO SCALE



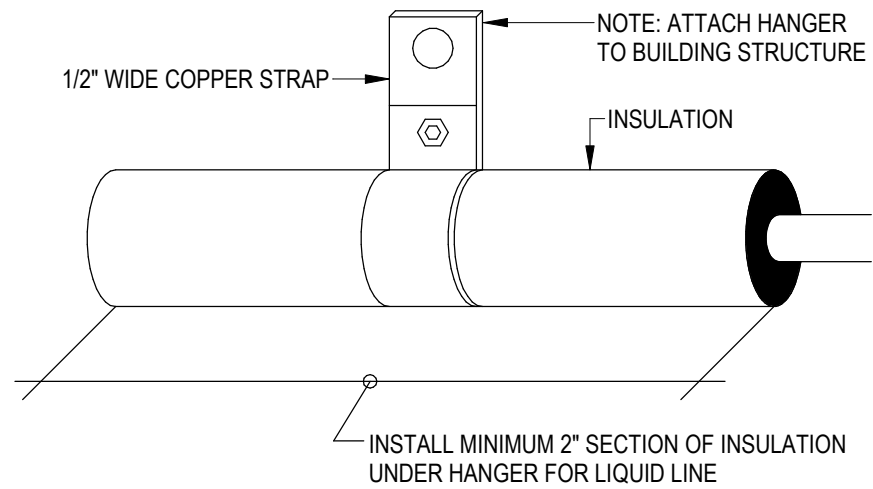
REGISTER SIZING DETAIL

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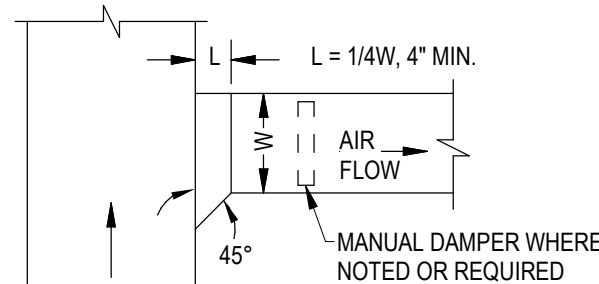
LATERAL BRANCH DUCT DETAIL

SCHEMATIC



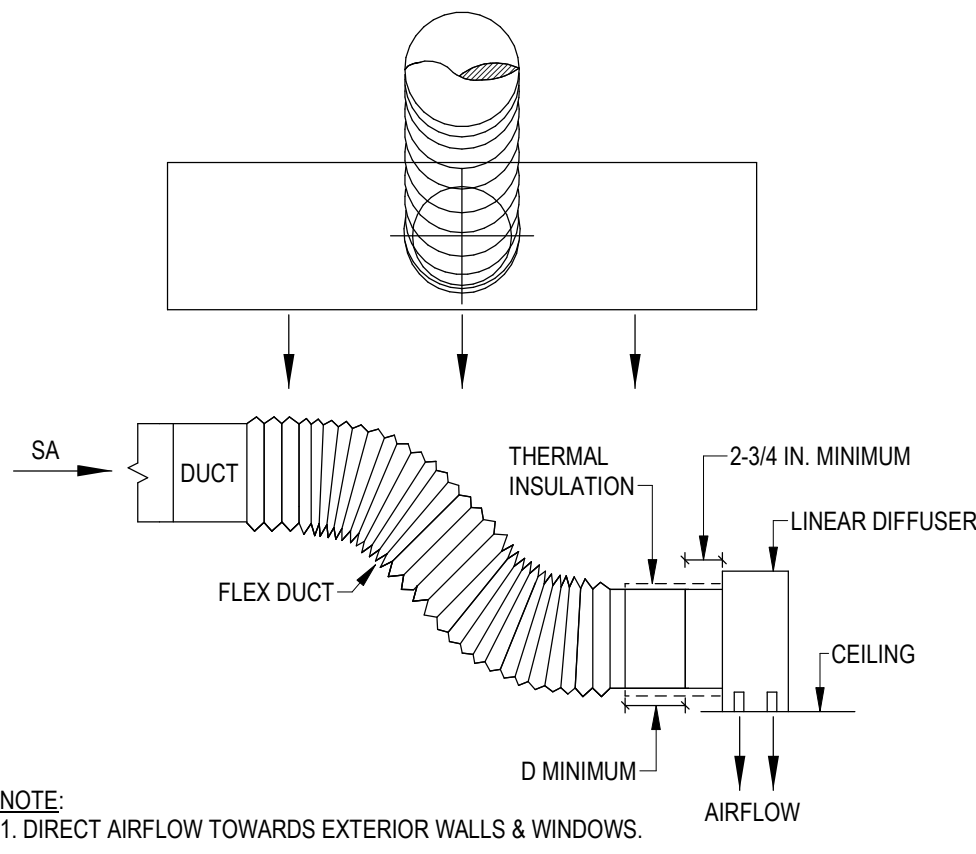
REFRIGERANT PIPING HANGER DETAIL

NO SCALE



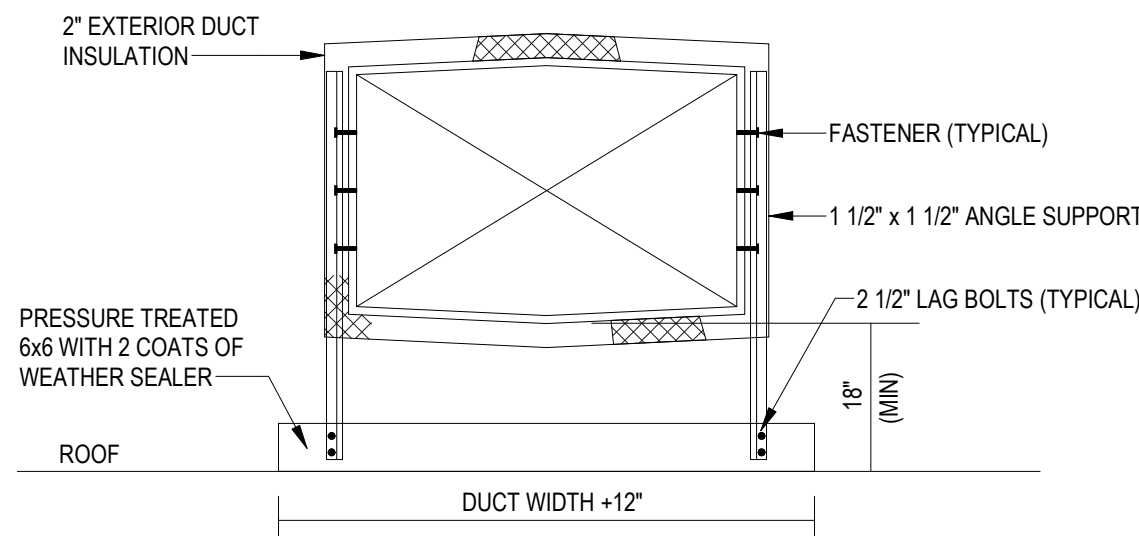
BRANCH DUCT CONNECTION DETAIL

SCHEMATIC



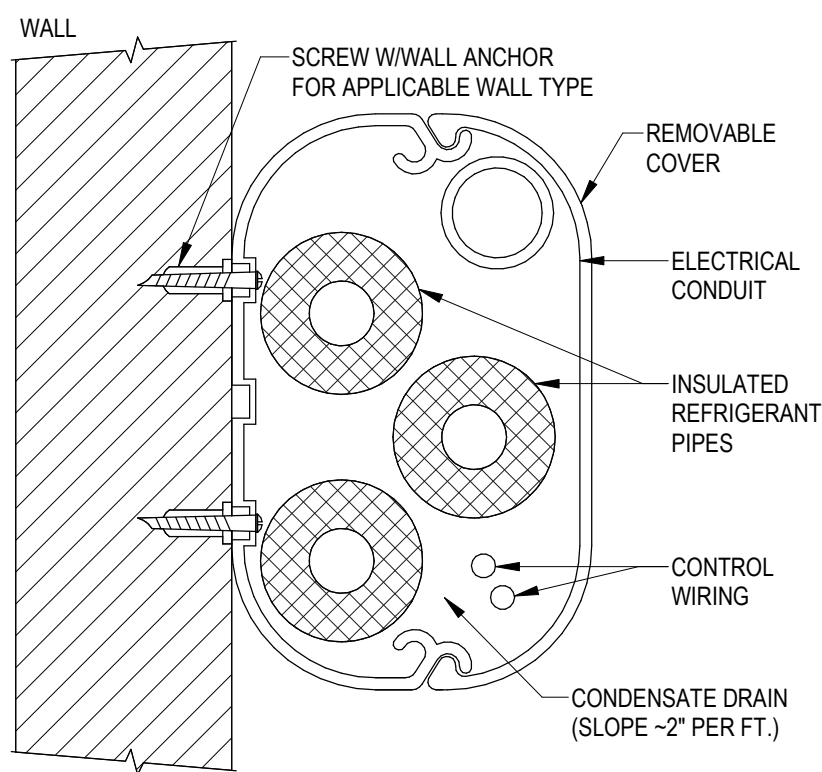
SLOT DIFFUSER DETAIL

NO SCALE



ROOF DUCT-MOUNTING DETAIL

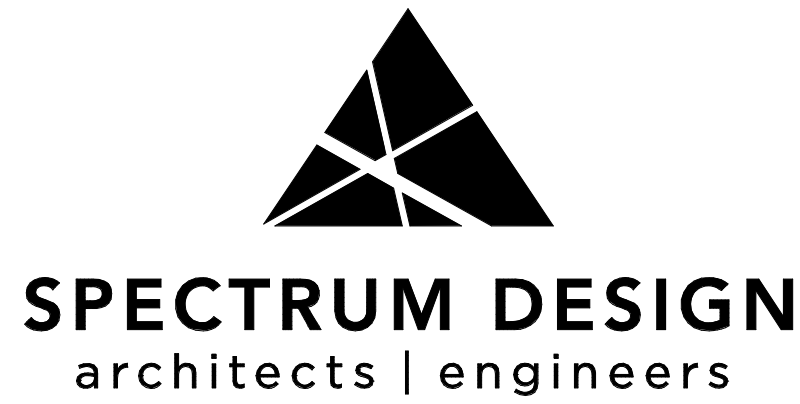
NO SCALE



NOTE:
PIPE COVER SHALL BE SLIMDUCT MANUFACTURED BY AIRTECH OR EQUAL FOR CONCEALING ALL PIPES, CONDUITS AND WIRING WHERE OTHERWISE EXPOSED ON THE EXTERIOR OF THE BUILDING. CONTRACTOR SHALL SELECT FROM EITHER SIZE SD-100 (4"W X 2-W"D) OR SD-140 (5-6"W X 3-Z"D) TO MATCH THE APPLICABLE QUANTITY AND SIZE OF CONCEALED ITEMS. UTILIZE MATCHING FITTINGS FOR ALL CHANGES IN DIRECTION. COORDINATE COLOR. SELECTION OF WHITE OR IVORY WITH OWNER. INSTALL COVER AS RECOMMENDED BY MANUFACTURER FOR A NEAT FINISHED APPEARANCE.

EXTERIOR PIPE COVER DETAIL

NO SCALE



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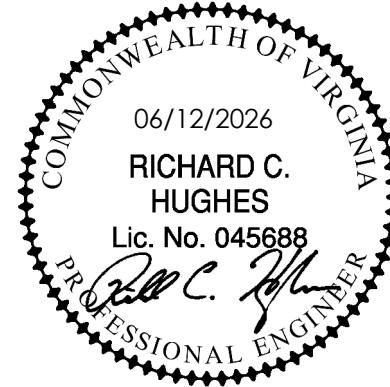
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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: CHECKED BY: DRAWN BY:
RCH RCH JCW

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

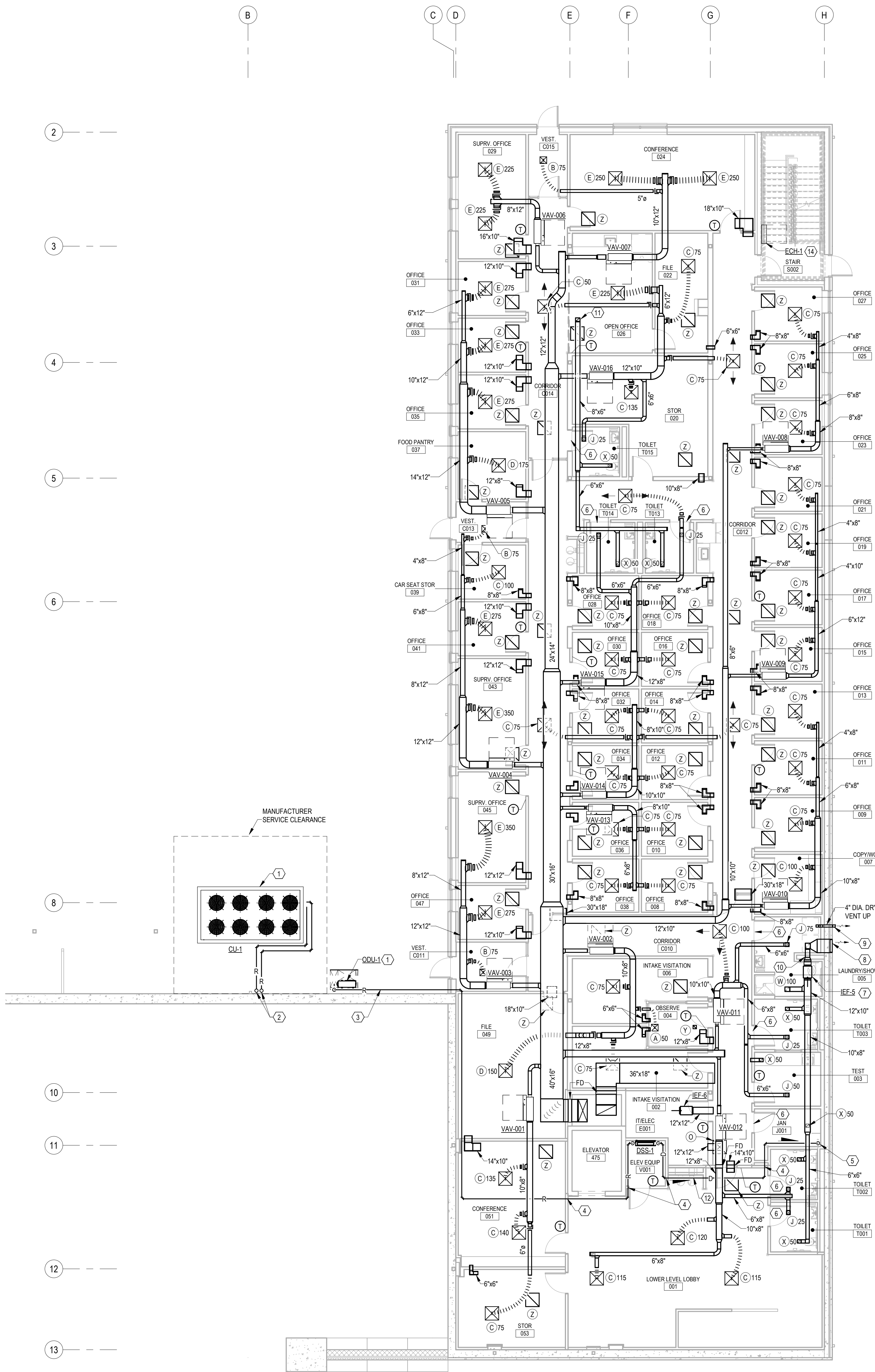
SHEET REVISIONS:

SHEET NAME:

HVAC DETAILS

SHEET NUMBER:

M002



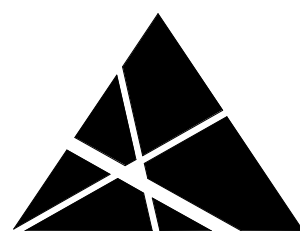
LOWER LEVEL FLOOR PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- GRILLS, REGISTER, AND DIFFUSERS SMALLER THAN 24"x24" SHALL BE CENTERED IN CEILING TILES.
- ALL TRANSFER DUCT DIMENSIONS ARE OUTSIDE DUCT DIMENSIONS AND INCLUDE 1" ACOUSTICAL LINING.

PLAN NOTES: ⑦

- PROVIDE CONCRETE EQUIPMENT BASE FOR OUTDOOR CONDENSING UNIT. SEE SPEC 230000 SECTION 2.5.K FOR BASE REQUIREMENTS.
- DUAL-CIRCUIT REFRIGERANT PIPING UP ALONG EXTERIOR TO/FROM ASSOCIATED INDOOR UNIT AHU-1.
- EXTERIOR REFRIGERANT PIPE TIGHT TO WALL.
- PROVIDE FIRESTOPPING AT PIPE PENETRATION THRU 1-HR RATED WALL.
- SPILL CONDENSATE TO JANITOR MOP SINK.
- UNDERCUT DOOR 1/2".
- PROVIDE CEILING ACCESS DOOR FOR INLINE EXHAUST FAN.
- 24"x10" EXHAUST LOUVER. KEEP DUCT TIGHT TO BOTTOM OF STRUCTURE ABOVE BEFORE PENETRATING EXTERIOR.
- 4" DIA. EXHAUST VENT. KEEP VENT TIGHT TO BOTTOM OF STRUCTURE ABOVE BEFORE PENETRATING EXTERIOR. PROVIDE EXTERIOR RAIN CAP WITH BACKDRAFT DAMPER.
- PROVIDE BACKDRAFT DAMPER AT FAN OUTLET AND COORDINATE DUCT WITH PIPING IN PLUMBING CHASE.
- 6"x6" EA DUCT UP. PROVIDE FIRE DAMPER AT SLAB PENETRATION.
- ROUTE CONDENSATE PIPE TO AVOID ELECTRICAL ROOM.
- MAIN BAS PANEL. LOCATE 4'-0" AFF.
- FLOOR MOUNT CABINET UNIT HEATER BELOW STAIRS. COORDINATE INSTALLATION WITH FLOORING.



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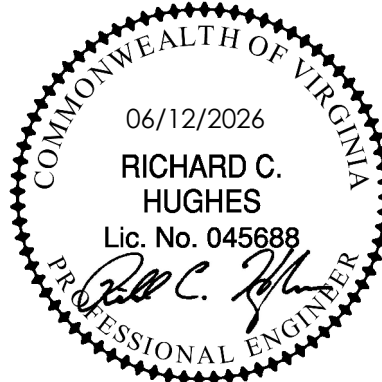
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**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



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SHEET ISSUE DATE:
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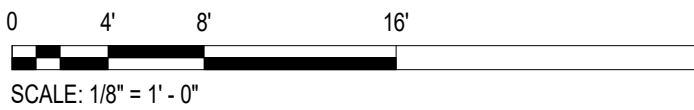
SHEET REVISIONS:



SHEET NAME:
**LOWER LEVEL FLOOR
PLAN - MECHANICAL**

SHEET NUMBER:

M101



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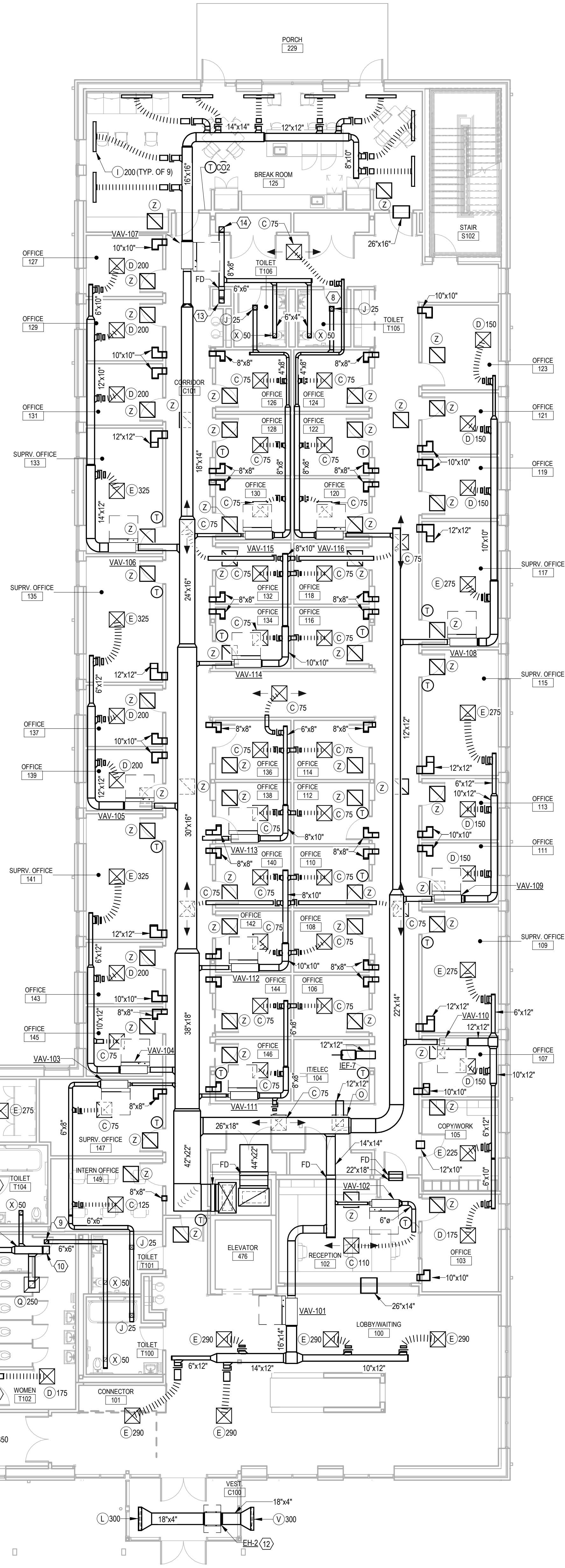
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GENERAL NOTES:

1. ALL TRANSFER DUCT DIMENSIONS ARE OUTSIDE DUCT DIMENSIONS AND INCLUDE 1" ACOUSTICAL LINING.

PLAN NOTES: (E)

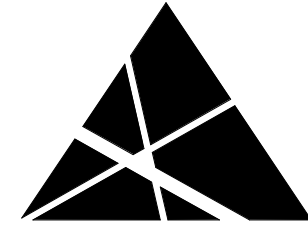
1. MOUNT BOTTOM OF UNIT HEATER 7'-0" AFF. COORDINATE LOCATION WITH PLUMBING TO AVOID PIPING.
2. 36"x24" EXHAUST LOUVER. LOCATE LOUVER AND ASSOCIATED FAN TIGHT TO STRUCTURE ABOVE.
3. 72"x18" INTAKE LOUVER. LOCATE ABOVE DOOR WITHIN DOOR FRAMING.
4. PROVIDE FAN INLET GUARD.
5. SA & RA DUCT TO/FROM RTU-1 ON ROOF ABOVE. SEE M103 FOR EXTERIOR DUCTWORK CONNECTING TO RTU1 ON FLOOR ABOVE.
6. SA DUCT DN. COORDINATE DUCT WITH PLUMBING PIPING IN CHASE.
7. DUAL-CIRCUIT REFRIGERANT PIPING UP ALONG EXTERIOR TO/FROM ASSOCIATED INDOOR UNIT AHU-1 ON FLOOR ABOVE.
8. UNDERCUT DOOR 1/2".
9. 6"x6" EA DUCT UP TO IEF-2. PROVIDE FIRE DAMPER AT SLAB PENETRATION.
10. 12"x10" EA DUCT UP TO IEF-3. PROVIDE FIRE DAMPER AT SLAB PENETRATION.
11. TRANSFER DUCT SHALL PENETRATE WALL ABOVE TRAINING ROOM CEILING.
12. PROVIDE CEILING ACCESS DOOR FOR EQUIPMENT MAINTENANCE.
13. 8"x8" EA DUCT DN.
14. 8"x8" EA DUCT UP. PROVIDE FIRE DAMPER AT SLAB PENETRATION.
15. RETURN AIR DUCT SMOKE DETECTOR. SEE ELECTRICAL DRAWINGS.



MAIN LEVEL FLOOR PLAN - MECHANICAL

SCALE: 1/8" = 1'-0"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"



SPECTRUM DESIGN
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Roanoke, VA 24011

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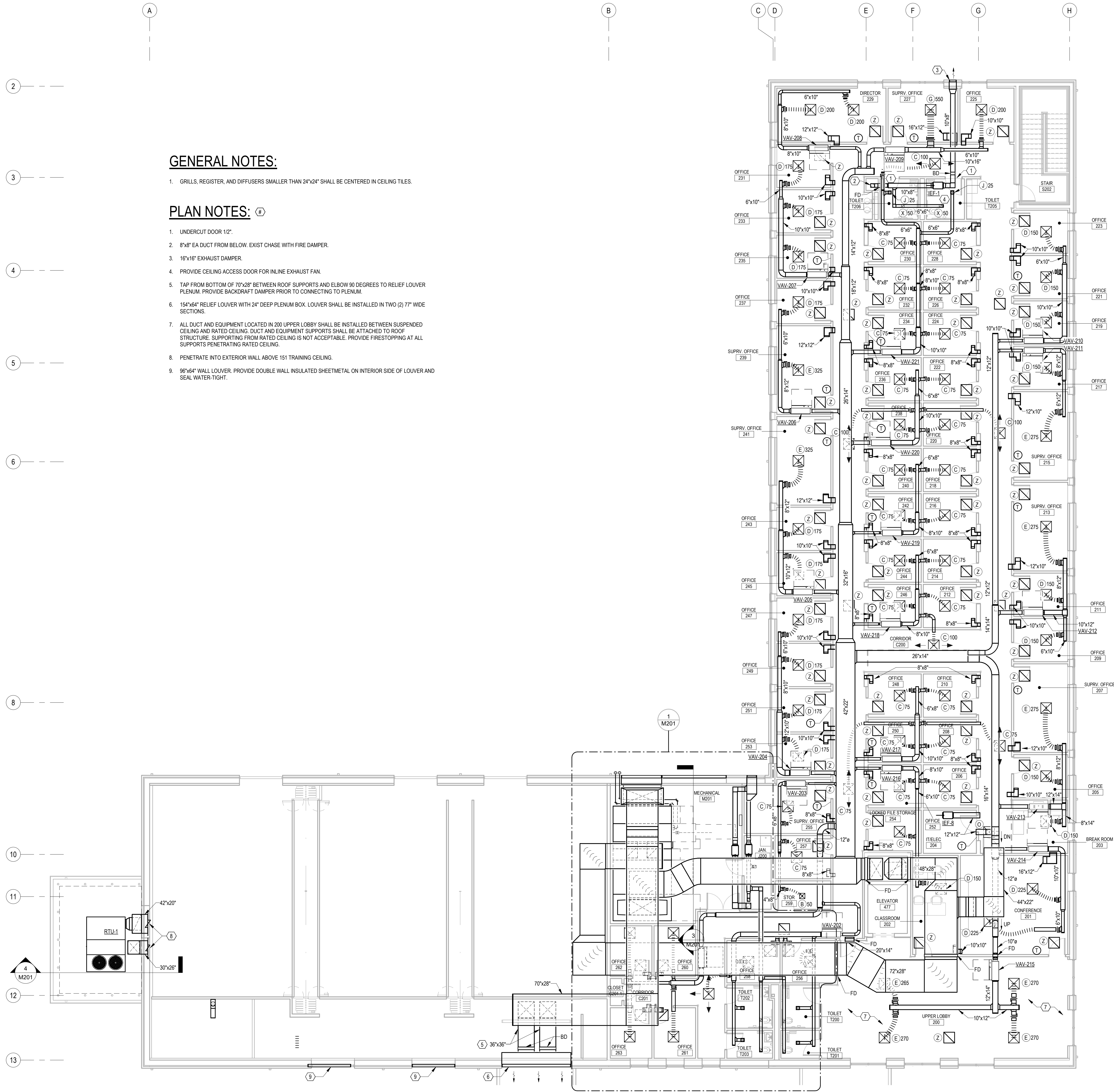
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**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24

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GENERAL NOTES:

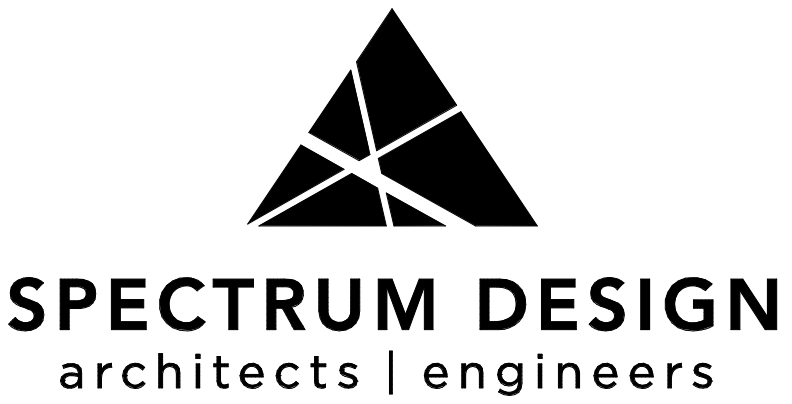
1. GRILLS, REGISTER, AND DIFFUSERS SMALLER THAN 24"x24" SHALL BE CENTERED IN CEILING TILES.

PLAN NOTES: (7)

1. UNDERCUT DOOR 1/2".
2. 8"x8" EA DUCT FROM BELOW. EXIST CHASE WITH FIRE DAMPER.
3. 16"x16" EXHAUST DAMPER.
4. PROVIDE CEILING ACCESS DOOR FOR INLINE EXHAUST FAN.
5. TAP FROM BOTTOM OF 10"x28" BETWEEN ROOF SUPPORTS AND ELBOW 90 DEGREES TO RELIEF LOUVER PLENUM. PROVIDE BACKDRAFT DAMPER PRIOR TO CONNECTING TO PLENUM.
6. 154"x64" RELIEF LOUVER WITH 24" DEEP PLENUM BOX. LOUVER SHALL BE INSTALLED IN TWO (2) 77" WIDE SECTIONS.
7. ALL DUCT AND EQUIPMENT LOCATED IN 200 UPPER LOBBY SHALL BE INSTALLED BETWEEN SUSPENDED CEILING AND RATED CEILING. DUCT AND EQUIPMENT SUPPORTS SHALL BE ATTACHED TO ROOF STRUCTURE. SUPPORTING FROM RATED CEILING IS NOT ACCEPTABLE. PROVIDE FIRESTOPPING AT ALL SUPPORTS PENETRATING RATED CEILING.
8. PENETRATE INTO EXTERIOR WALL ABOVE 151 TRAINING CEILING.
9. 96"x64" WALL LOUVER. PROVIDE DOUBLE WALL INSULATED SHEETMETAL ON INTERIOR SIDE OF LOUVER AND SEAL WATER-TIGHT.

UPPER LEVEL FLOOR PLAN - MECHANICAL

SCALE: 1/8" = 1'-0"



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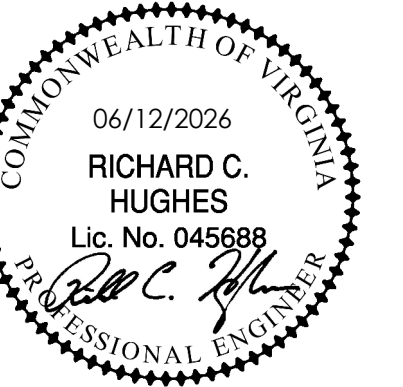
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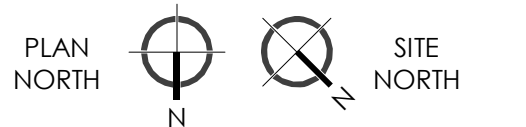
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PROJECT PHASE:

BID DOCUMENTS

SHEET REVISIONS:



SHEET NAME:

UPPER LEVEL FLOOR
PLAN - MECHANICAL

SHEET NUMBER:

M103





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**DEPARTMENT OF SOCIAL
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SPECTRUM DESIGN PROJECT NO.: **24112**



06.12.2026
PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:








SHEET NAME:









**HVAC ENLARGED
PLANS AND SECTIONS
VIEWS**



M201

ELECTRICAL LEGEND - LOW VOLTAGE			ELECTRICAL LEGEND - LIGHTING		
MTG. HGT.	SYMBOL	DESCRIPTION	MTG. HGT.	SYMBOL	DESCRIPTION
1'-8" TO TOP		COMMUNICATION (DATA AND/OR VOICE) OUTLET, WALL.			LIGHTING FIXTURE TYPE DESIGNATION.
		COMMUNICATION (DATA AND/OR VOICE) OUTLET, CEILING.			LIGHTING FIXTURE, LED, CEILING MOUNTED. SYMBOL SIZE VARIES WITH LIGHTING FIXTURE TYPE.
1'-8" TO TOP		CABLE TELEVISION OUTLET, WALL.			LIGHTING FIXTURE, LED, CEILING MOUNTED CONNECTED ON EMERGENCY CIRCUIT* (TYPICAL FOR ALL LIGHTING FIXTURES WITH SOLID FILL OR WITH 'E' DESIGNATION)
		WIRELESS ACCESS POINT (WAP), CEILING MOUNTED.			LIGHTING FIXTURE, LED, WALL MOUNTED. SYMBOL SIZE VARIES WITH LIGHTING FIXTURE TYPE. WALL MOUNTED AS NOTED IN LIGHT FIXTURE SCHEDULE OR ON DRAWINGS.
8'-0" TO TOP		WIRELESS ACCESS POINT (WAP), WALL MOUNTED.			LIGHTING FIXTURE, LED, CEILING MOUNTED.
		RECESSED CAST-IN PLACE COMBINATION RECEPTACLE/TELECOM MULTISERVICE FLOOR BOX. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS. ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "E" = EMERGENCY RECEPTACLE (RED IN COLOR). "TR" = TAMPER RESISTANT RECEPTACLE. "SS" = SURGE SUPPRESSOR RECEPTACLE. "C" = LOAD CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR AND RELAY PANEL. "UP" = COMBINATION DUPLEX RECEPTACLE AND DUAL USE OUTLETS. "GF" = GROUND FAULT.			LIGHTING FIXTURE, LED, WALL MOUNTED.
		POKE-THRU ASSEMBLY COMBINATION RECEPTACLE/TELECOM MULTISERVICE FLOOR BOX. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS. ALPHA-	8'-0" TO BOTTOM, UNO		LED EXIT SIGN, CEILING MOUNTED. SHADED QUADRANT(S) INDICATES FACE(S). PROVIDE ARROWS AS INDICATED ON DRAWINGS.
					LED EXIT SIGN, WALL MOUNTED. SHADED QUADRANT(S) INDICATES FACE(S). PROVIDE ARROWS AS INDICATED ON DRAWINGS.
					SITE LIGHTING FIXTURE, POST SINGLE ARM MOUNTED.

		ELECTRICAL LEGEND - LIGHTING CONTROLS		
		MTG. HGT.	SYMBOL	DESCRIPTION
		4'-0" TO TOP	\$P _a	GENERAL USE SWITCH, SINGLE POLE, LOWER CASE ALPHABETIC SUBSCRIPT, WHERE SHOWN, INDICATES LOADS CONTROLLED. (TYPICAL FOR ALL SWITCHES). "WP" - WATERPROOF.
		4'-0" TO TOP	\$3	GENERAL USE SWITCH, THREE WAY.
		4'-0" TO TOP	\$4	GENERAL USE SWITCH, FOUR WAY.
		4'-0" TO TOP	\$L1	LOW VOLTAGE LIGHTING CONTROL, WALL BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
		4'-0" TO TOP	\$L2	LOW VOLTAGE LIGHTING CONTROL, WALL BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
		4'-0" TO TOP	\$V1	SWITCH WITH INTEGRAL VACANCY SENSOR, WALL BOX MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
		4'-0" TO TOP	\$OD	COMBINATION 0-10V DIMMER AND OCCUPANCY SENSOR, WALL BOX MOUNTED. TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
			○1	OCCUPANCY SENSOR, CEILING MOUNTED. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS.
			○V1	VACANCY SENSOR, CEILING MOUNTED. NUMBER INDICATES TYPE AS
















ELECTRICAL LEGEND - SECURITY		
MTG. HGT.	SYMBOL	DESCRIPTION
8'-0" TO TOP		SECURITY SYSTEM (CCTV SURVEILLANCE) VIDEO CAMERA, CEILING.
8'-0" TO TOP		SECURITY SYSTEM (CCTV SURVEILLANCE) VIDEO CAMERA, WALL.
4'-0" TO TOP OF BUTTONS		ALARM SECURITY DOOR COMMUNICATION CALL SYSTEM - CALL STATION, SURFACE OR FLUSH WALL MOUNTED.
4'-0" TO TOP		ACCESS CONTROL SYSTEM CARD READER OR KEYPAD, WALL.
4'-0" TO TOP		HANDICAPPED DOOR OPERATOR PADDLE SWITCH, WALL OR BOLLARD MOUNTED.

	MTG. HGT.	SYMBOL	DESCRIPTION
	1'-8" TO TOP		RECEPTACLE, DUPLEX, WALL, ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "SS" = SURGE SUPPRESSOR RECEPTACLE "H" = HORIZONTALLY MOUNTED, "C" = LOAD CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR AND RELAY PANEL, "U" = COMBINATION DUPLEX RECEPTACLE AND DUAL USB OUTLETS, "WP" = WHILE-IN-USE WEATHER-PROOF COVER PLATE.
			RECEPTACLE, DUPLEX, CEILING, ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT.
	1'-8" TO TOP		RECEPTACLE, DUPLEX GFCI, WALL, ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "H" = HORIZONTALLY MOUNTED, "WP" = WHILE-IN-USE WEATHER-PROOF COVER PLATE.
	1'-8" TO TOP		RECEPTABLES, TWO DUPLEX (QUAD) IN A TWO GANG OUTLET BOX, WALL, ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "SS" = SURGE SUPPRESSOR RECEPTACLE, "C" = LOAD CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR AND RELAY PANEL, "U" = COMBINATION DUPLEX RECEPTACLE AND DUAL USB OUTLETS, "WP" = WHILE-IN-USE WEATHER-PROOF COVER PLATE.
	1'-8" TO TOP		RECEPTACLE, SIMPLEX (SINGLE) WALL, ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "H" = HORIZONTALLY MOUNTED, "WP" = WHILE-IN-USE WEATHER-PROOF COVER PLATE.
	1'-8" TO TOP		RECEPTACLE, SPECIAL PURPOSE, WALL. NEMA TYPE IS NOTED ON DRAWINGS OR IN SPECIFICATIONS.
	1'-8" TO TOP		JUNCTION BOX, WALL.
			JUNCTION BOX, CEILING.

ELECTRICAL LEGEND - GENERAL		
MTG. HGT.	SYMBOL	DESCRIPTION
		PLAN NOTE DESIGNATION.
		REVISION DESIGNATION.
	NL1R3-25	CIRCUIT DESIGNATION. DESIGNATION SHOWN INDICATES PANEL NL1R3 AND CIRCUIT NUMBER 25.
<u>NOTES (ELECTRICAL LEGEND):</u>		
<ol style="list-style-type: none"> 1. THESE ARE STANDARD ELECTRICAL SYMBOLS AND MAY NOT ALL APPEAR ON THE PROJECT DRAWINGS. HOWEVER, WHEREVER AN ELECTRICAL SYMBOL APPEARS ON THE PROJECT DRAWINGS, THE ITEM SHALL BE FURNISHED AND INSTALLED. 2. MOUNTING HEIGHTS NOTE IN THIS SCHEDULE ARE FROM FINISHED FLOOR TO TOP OF OUTLET OR EQUIPMENT. UNO, WHERE THE MOUNTING HEIGHT INDICATED ON THE DRAWINGS IS DIFFERENT FROM THE LEGEND, THE DRAWING TAKES PRECEDENT. SEE DRAWINGS FOR MOUNTING HEIGHTS NOT INDICATED IN THE LEGEND. MOUNTING HEIGHT NOTED ON THE DRAWINGS ARE FROM FINISHED FLOOR TO TOP OF DEVICE. 3. SEE ELECTRICAL ABBREVIATIONS FOR ALPHABETIC SUBSCRIPT WITH SYMBOL, UNO. 4. REFER TO DETAILS ON DRAWINGS FOR ADDITIONAL INFORMATION. 		

ELECTRICAL LEGEND - RACEWAYS		
MTG. HGT.	SYMBOL	DESCRIPTION
	— — — —	CONDUIT EXPOSED.
	— — — —	CONDUIT CONCEALED IN OR BELOW FLOOR SLAB OR BELOW GRADE.
	— — — —	CONDUIT CONCEALED IN WALL OR ABOVE CEILING.
	- - - - -	EXISTING CONDUIT TO BE REMOVED.
	— — — — ○	CONDUIT TURNED UP.
	— — — — ●	CONDUIT TURNED DOWN.

ELECTRICAL LEGEND - POWER EQUIPMENT		
MTG. HGT.	SYMBOL	DESCRIPTION
		GROUND CONNECTION.
1'-0" TO BOTTOM		GROUND BAR MOUNT WITH LONG DIMENSION HORIZONTAL.
		GROUND ROD.
		ELECTRIC MOTOR CONNECTION
6'-0" TO TOP		208/120 VOLT SURFACE OR FLUSH MOUNTED PANELBOARD.
6'-0" TO TOP		480/277 VOLT SURFACE OR FLUSH MOUNTED PANELBOARD.
5'-0" TO TOP		NON-FUSIBLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. NUMBER INDICATES SAFETY SWITCH 3-POLE/60 AMP RATINGS.
5'-0" TO TOP		FUSIBLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. NUMBER INDICATES SAFETY SWITCH 3-POLE/60 AMP RATINGS/45 AMP FUSES.
5'-0" TO TOP		ENCLOSED CIRCUIT BREAKER, WALL OR EQUIPMENT MOUNTED. NUMBER INDICATES 3-POLE/60 AMP RATING.
5'-0" TO TOP		TOGGLE SWITCH, HORSEPOWER RATED, WALL OR EQUIPMENT MOUNTED. SINGLE POLE UNLESS SHOWN WITH NUMBER INDICATING NUMBER OF POLES EACH OTHER. "F" DENOTES FLUSH MOUNTED.
5'-0" TO TOP		MANUAL MOTOR STARTER WITH FLT LIGHT, WALL OR EQUIPMENT MOUNTED. "F" DENOTES FLUSH MOUNTED.
5'-0" TO TOP		COMBINATION MAGNETIC MOTOR STARTER AND FUSIBLE SAFETY SWITCH, WALL OR EQUIPMENT MOUNTED. NUMBER INDICATES 3-POLE/30 AMP RATING/15 AMP FUSES/ NEMA SIZE 0 STARTER.
		RECESSED CAST-IN-PLACE COMBINATION RECEPTACLE/TELECOM MULTISERVICE FLOOR BOX. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS. ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "E" = EMERGENCY RECEPTACLE (RED IN COLOR), "TR" = TAMPER RESISTANT RECEPTACLE. "SS" = SURGE SUPPRESSOR RECEPTACLE. "C" = LOAD CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR AND RELAY PANEL. "D" = COMBINATION DUPLEX RECEPTACLE AND DUAL USB OUTLETS. "GF" = GROUND FAULT.
		POKE-THRU ASSEMBLY COMBINATION RECEPTACLE/TELECOM MULTISERVICE FLOOR BOX. NUMBER INDICATES TYPE AS SCHEDULED ON DRAWINGS OR IN SPECIFICATIONS. ALPHA-NUMERIC OR NUMERIC SUBSCRIPT, WHERE SHOWN, INDICATES CIRCUIT. "E" = EMERGENCY RECEPTACLE (RED IN COLOR), "TR" = TAMPER RESISTANT RECEPTACLE. "SS" = SURGE SUPPRESSOR RECEPTACLE. "C" = LOAD CONTROLLED RECEPTACLE VIA OCCUPANCY SENSOR AND RELAY PANEL. "D" = COMBINATION DUPLEX RECEPTACLE AND DUAL USB OUTLETS. "GF" = GROUND FAULT.

ELECTRICAL LEGEND - FIRE ALARM		
MTG. HGT.	SYMBOL	DESCRIPTION
	ERC, DR	
		SMOKE DETECTOR, CEILING. "ERC" = ELEVATOR RECALL. "DR" = DOOR RELEASE.
AS NOTED OR DETAILED		SMOKE DETECTOR, WALL.
	 D	SMOKE DETECTOR, DUCT TYPE. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
		HEAT DETECTOR, CEILING.
AS NOTED OR DETAILED	 H	HEAT DETECTOR, WALL.
4'-0" TO TOP		HANDICAPPED DOOR OPERATOR PADDLE SWITCH, WALL OR BOLLARD MOUNTED.
4'-0" TO TOP		FIRE ALARM MANUAL PULL STATION, WALL.
8'-0" TO TOP	 K ₃₀	FIRE ALARM HORN (AS INDICATED IN SPECIFICATIONS) WITH INTEGRAL VISUAL DEVICE, WALL. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
8'-0" TO TOP	 F ₃₀	FIRE ALARM VISUAL DEVICE, WALL. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
	 K ₃₀	FIRE ALARM HORN (AS INDICATED IN SPECIFICATIONS) WITH INTEGRAL VISUAL DEVICE, CEILING. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
	 F ₃₀	FIRE ALARM VISUAL DEVICE, CEILING. NUMBER INDICATES VISUAL DEVICE MINIMUM CANDELA RATING.
		SPRINKLER SYSTEM WATER FLOW DETECTOR SWITCH.
		SPRINKLER SYSTEM VALVE SUPERVISORY (TAMPER) SWITCH.
6'-0" TO TOP	 FACP	MAIN FIRE ALARM CONTROL PANEL, WALL.
5'-0" TO TOP	 FAAP	FIRE ALARM ANNUNCIATOR PANEL, WALL.

ELECTRICAL ABBREVIATIONS

A OR AMP	AMPERE	IG	ISOLATED GROUND
ABD	ABANDONED	IMC	INTERMEDIATE METAL CONDUIT
ABV	ABOVE	INC	INCANDESCENT
AC	ALTERNATING CURRENT	INIT	INITIAL
ACB	ABOVE COUNTER BACKSPASH	JB	JUNCTION BOX
AF OR AFI	ARC FAULT INTERRUPTER	KCAL	THOUSAND CIRCUULAR MILS
AFD	ADJUSTABLE FREQUENCY DRIVE	KNOCK	KNOCKOUT
AF	ABOVE FINISHED FLOOR	KV	KILOVOLT
AIC	AMPERS INTERRUPTING CAPACITY	KVA	KILOVOLT-AMPERE
ALP	ALUMINUM IN PLACE	KVAR	KILOVOLT-AMPERE REACTIVE
AL	ALUMINUM	KW	KILOWATT
AM	AMMETER	KWH	KILOWATT-HOUR
AMPL	AMPLIFIER	LA	LIGHTNING ARRESTER
ASYM	ASYMMETRICAL	LED	LIGHT EMITTING DIODE
ATG	AUTOMATIC TRANSFER SWITCH	LPS	LOW PRESSURE SODIUM
AWG	AMERICAN WIRE GAGE	LPT	LIGHTING RELAY PANEL
BAS	BUILDING AUTOMATION SYSTEM	LSTS	LUMENS
BD	BELOW	LUM	LUMENS OF LUMINAIRE
BE	BUS DUCT	MAG	MAGNETIC
BT	BOTTOM	MAN	MANUAL
BOT	BOTTOM	MATV	MASTER ANTENNA TELEVISION
BRKR	BREAKER	MCA	MINIMUM CIRCUIT AMPACITY
C	COUNTERTOP	MCB	MAIN CIRCUIT BREAKER
CA	CABLE	MCC	MOTOR CONTROL CENTER
CAB	CABINET	MCM	THOUSAND CIRCUULAR MILS
CAV	CABLE TV	MD	MAIN DISTRIBUTION FRAME
CB	CIRCUIT BREAKER	M/G	MOTORGENERATOR
CCTV	CLOSED CIRCUIT TELEVISION	MH	METAL HALIDE OR MOUNTING HEIGHT
CF	COMPACT FLUORESCENT	MIN	MINIMUM
CL	CIRCUIT	MLO	MAIN LUGS ONLY
CLG	CEILING	MMS	MANUAL MOTOR STARTER
CND	CONDUIT	MNS	MASS NOTIFICATION SYSTEM
CNTR	CENTER	MOPC	MAXIMUM OVER CURRENT PROTECTION
COMB	COMBINATION	MOD	MOTOR OPERATED DAMPER
COND	CONDUCTOR	MOT	MOTOR
CONN	CONNECTION	MS	MAGNETIC STARTER
CONT	CONTACTOR	MTD	MOUNTED
CR	CORROSION RESISTANT	MTG	MOUNTING
CTL	CURRENT TRANSFORMER	MTR	METER
CU	COPPER	MV	MERCURY VAPOR
CW	COLD WATER	N OR NORM	NORMAL
DB	DOOR BELL	NEC	NATIONAL ELECTRICAL CODE
DC	DIRECT CURRENT	NEUT	NEUTRAL
DN	DIMENSION	NFSS	NON-FUSIBLE SAFETY SWITCH
DISC	DISCONNECT	NL	NIGHT LIGHT
DIV	DIVISION	NO	NUMBER
DR	DOOR RELEASE SERVICE	OH	OVERHEAD
DWS	DOOR SWITCH OR DISPLAY SCREEN	P	POLE
DWG	DRAWING	PB	PULL BOX OR PUSHBUTTON
E OR EMER	EMERGENCY	PBS	PUSHBUTTON STATION
EC	EMPTY CONDUIT	PH	PHASE
ECC	EXIST OND AND NEW CONDOS	PAN	PANEL OR PANELBOARD
ECON	EQUIPMENT GROUNDING EQUIPMENT	PANLBD	PANELBOARD
EL	EXIST RELOCATED TO THIS LOCATION	PRI	PRIMARY
ELEC	ELECTRIC OR ELECTRICAL	PT	POTENTIAL TRANSFORMER
ELEV	ELEVATOR	PCV	POLYVINYL CHLORIDE
EM	EXIST REMOVED	PWR	POWER
EML	EXIST REMOVED AND RELOCATED	QTY	QUANTITY
ENCL	EXIST REMOVED AND NEW INSTALLED	RB	RELAY BASE
ENCL	ELECTRICAL METALLIC TUBING	REC	RECEPTACLE
ENCLOSURE		REFRIG	REFRIGERATOR
ENG	ENGINE	RGS	RIGID GALVANIZED STEEL CONDUIT
EP	EXPLOSION PROOF	SJO	SPACE ONLY
EQUIP	EQUIPMENT	SB	SOUNDER BASE
ER	EXIST TO REMAIN	SCCR	SHORT CIRCUIT CURRENT RATING
ERC	ELEVATOR RECALL	SMP	MOTOR OPERATED SMOKE DAMPER
EW	ELECTRIC WATER COOLER	SEC	SECONDARY
EXIST	EXISTING	SL	SINGLE STATION
EXT	EXTENSION	SMR	SURFACE METAL RACEWAY
FA	FIRE ALARM	SN	SOLID NEUTRAL
FACP	FIRE ALARM CONTROL PANEL	SPE	SPECIAL PURPOSE
FACU	FIRE ALARM CONTROL UNIT	SPD	SPRUE PROTECTIVE DEVICE
FEED	FEEDER	SPR	SPEAKER
FC	FOOTCANDLE	SR	SURFACE RACEWAY
FLUOR	FLUORESCENT	SS	SURFACE SUPPRESSOR
FSD	FIRE-SMOKE DAMPER	STR	STARTER
FSDSD	FIRE/SMOKE DAMPER WITH INTEGRAL DUST SMOKE DETECTOR	SW	SWITCH
FSS	FUSIBLE SAFETY SWITCH	SWBD	SWITCHBOARD
FXTR	FIXTURE	SWGR	SWITCHGEAR
GD	GARAGE DOOR	SYM	SYMMETRICAL
GEN	GENERATOR	TC	TIME CLOCK
GF OR GFI	GROUND FAULT INTERRUPTER	TEL	TELEPHONE
GFP	GROUND FAULT PROTECTION/PROTECTED	TR	TAMPER RESISTANT
GND	GROUND	TV	TELEVISION
GTD	GEN TRANSFER DEVICE	TP	TYPICAL
H OR HOR	HORIZONTAL	U	USB CHARGER
HG	HOSPITAL GRADE	UC	UNDERCOUNTER
HD	HEIGHT	UF	UNDERFLOOR
HID	HIGH-INTENSITY DISCHARGE	UG	UNDERGROUND
HP	HAND-OFF-AUTOMATIC	UNO	UNDERWRITERS' LABORATORIES
HPS	HORSEPOWER OR HEAT PUMP	UNO	UNLESS NOTED OTHERWISE
HPR	HIGH POWER FACTOR	V	VOLT
HPS	HIGH PRESSURE SODIUM	VA	VOLT-AMPERE
HTR	HEATER	VAR	VOLT-AMPERE REACTIVE
HW	HOT WATER	VERT	VERTICAL
HZ	HERTZ	VM	VOLTMETER
I	INTERCOM OR INTERRUPTING CAPACITY	W	WATT OR WIRE
IDF	INTERMEDIATE DISTRIBUTION FRAME	WG	WIRE GUARD
		WP	WEATHER-RESIST
		XFMR	TRANSFORMER

NOTE (ELECTRICAL ABBREVIATIONS):

1. ALL ABBREVIATIONS LISTED MAY NOT APPLY TO THIS PROJECT. REFER TO OTHER ABBREVIATION LISTS

ELSEWHERE IN THESE DOCUMENTS FOR ABBREVIATIONS NOT LISTED HERE.

GENERAL NOTES:

1. ALL VFD'S WILL BE FURNISHED BY THE MECHANICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL MOUNT THE VFD'S UNLESS THEY ARE INTEGRAL TO THE EQUIPMENT SERVED). CONNECT THE LINE SIDE POWER WIRING AND THE LOAD SIDE WIRING TO THE VFD'S. THE WIRING SHALL BE IN CONFORMANCE WITH THE EQUIPMENT. ALL CONTROL AND INTERLOCK WIRING FOR THE VFD'S WILL BE BY THE CONTROL SYSTEM CONTRACTOR.
2. LOAD SIDE CONDUCTOR AND CONDUIT SIZES FROM DISCONNECT SWITCHES, STARTERS AND VFD'S TO EQUIPMENT SHALL BE THE SAME AS LINE SIDE CONDUCTORS AND CONDUIT.
3. CAREFULLY COORDINATE ALL ELECTRICAL EQUIPMENT LOCATIONS WITH DUCTWORK, PIPING AND MECHANICAL EQUIPMENT. MAINTAIN ALL CLEARANCES AND SPACES REQUIRED BY THE NEC.
4. WHERE MULTIPLE CIRCUITS ARE COMBINED IN A SINGLE CONDUIT, DERATE CONDUCTORS BY THE NEC.
5. SEE SPECIFICATION SECTION 26 0510 FOR REQUIREMENTS REGARDING OVERSIZING CONDUCTORS FOR 1-POLE 15- AND 20- AMP CIRCUITS TO REDUCE VOLTAGE DROP. THESE OVERSIZING REQUIREMENTS TAKE PRECEDENCE OVER THE SPECIFICATIONS AND SCHEDULES SHOWN IN THE PANEL SCHEDULES. OVERSIZED CONDUCTORS FOR VOLTAGE DROP ON OTHER CIRCUITS ARE INDICATED IN THE PANEL SCHEDULES.
6. UNLESS INDICATED OTHERWISE, ALL EXIT SIGNS AND THE VOLTAGE SENSING TERMINALS OF ALL EMERGENCY BATTERY PACKS AND GDT'S SHALL BE CONNECTED AHOLD OF ALL SWITCHES, RELAYS, SENSORS AND POWER PACKS WITH #12 AND #12 LIGHTING FIXTURES IN 1/2" CONDUIT.
7. ALL EMERGENCY LIGHTING FIXTURES SHALL BE MARKED SO AS TO BE IDENTIFIED BY VISUAL INSPECTION FOR TESTING PURPOSES. IDENTIFICATION SHALL BE BY ONE 1/2" RED SELF-STICK DOT ON THE VERTICAL PORTION OF THE FIXTURE FOR THE TOP OF THE LENS.
8. EXACT LOCATION AND ORIENTATION OF OCCUPANCY SENSORS SHALL BE AS RECOMMENDED BY MANUFACTURER TO OBTAIN COMPLETE COVERAGE. IF THE CONTRACTOR USES A SENSOR THAT HAS A COVERAGE PATTERNS DIFFERENT FROM THAT WHICH IS SPECIFIED, AND AS A RESULT ADDITIONAL SENSORS ARE REQUIRED TO COMPLETELY COVER A SPACE, THE CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS AS REQUIRED. SENSORS SHALL BE PARALLEL WITH EACH OTHER AT AN ADDITIONAL COST TO THE FIRM. VOLTAGE SENSING PERCENT VOLTAGE SHALL BE SET TO NO MORE THAN 30 MINUTES.
9. UNLESS INDICATED OTHERWISE, SWITCHES AND OCCUPANCY SENSORS IN ROOMSPACE SHALL CONTROL ALL LIGHTING FIXTURES IN THAT ROOMSPACE.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL PANELBOARD AND SWITCHBOARD FEEDER ENTRANCE LOCATIONS (TOP, BOTTOM, SIDE).
11. WHERE SMOKE OR FIRE/SMOKE DAMPERS ARE CONTROLLED BY MORE THAN ONE DETECTOR, CONNECT SUCH THAT ANY OF THE DETECTORS WILL DISCONNECT POWER TO THE DAMPER.
12. DUCT SMOKE DETECTORS FOR AIR HANDLING EQUIPMENT SHALL BE INSTALLED IN THE DUCT(S) BEFORE ANY BRANCH TAKE-OFFS. CONTROL WIRING FROM SMOKE DETECTOR CONTROL RELAY WILL BE PROVIDED BY CONTROL SYSTEM CONTRACTOR. WHERE DUCTWORK CONFIGURATION IS SUCH THAT ONE DETECTOR WILL NOT PROPERLY DETECT ALL DUCTS, ADDITIONAL DETECTORS WILL BE PROVIDED. FIRE SARM SYSTEM SUPPLIER SHALL MAKE THIS DETERMINATION BEFORE SUBMITTING HIS BID.
13. ELEVATOR FIRE ALARM INTERFACE SHALL BE AS FOLLOWS: SMOKE DETECTORS IN ELEVATOR LOBBIES, MACHINE ROOMS, PITs, AND AT THE TOP OF ELEVATOR HOISTWAYS. WHEN IN ALARM STATUS, SHALL IMMEDIATELY SEND THE FIRE ALARM SYSTEM INTO ALARM MODE AND SHALL IMMEDIATELY SEND A SIGNAL TO THE ELEVATOR CONTRACTOR TO INITIATE PHASE 1 RECALL. WHEN IN ALARM STATUS, THE CONTRACTOR SHALL IMMEDIATELY SEND AN ALTERNATE FLOOR, PARK AND OPEN DOORS. PER NFPA 72 SECTION 21.3.1.3 SECTION 21.3.9 AND PER 2019 ASME A17.1, 2.27.3.2. HEAT DETECTORS IN ELEVATOR MACHINE ROOMS AND ELEVATOR HOISTWAYS AND ELEVATOR CLOSETS SHALL BE LOCATED AT A LOCATION THAT IS NOT NEARER TO THE SPRINKLER THAN THE SPRINKLER. PER NFPA 72 SECTION 21.4.1.1. THE HEAT DETECTORS TO BE LOCATED WITH 20" OF EACH SPRINKLER HEAD. SHALL BE USED TO SHUT DOWN THE ELEVATOR PRIOR TO SPRINKLER OPERATION. PER NFPA 72 SECTION 21.4.2 AND PER 2019 ASME A17.1, 2.27.3.2. THE HEAT DETECTORS ARE IN ALARM STATUS, THE CONTRACTOR SHALL IMMEDIATELY SEND THE FIRE ALARM SYSTEM INTO ALARM MODE AND START A DELAY THAT WILL ALLOW THE ELEVATOR TO TRAVEL FROM THE TOP OF THE HOISTWAY TO THE LOWEST RECALL LEVEL PRIOR TO ACTIVATING THE SHUT-TURN DEVICE IN THE CONTRACTOR'S LOCAL ELEVATOR TERMINATION. PER NFPA 72 SECTION 21.4.2 AND PER 2019 ASME A17.1, 2.27.3.2. ALL ELEVATOR HOISTWAY, PIT, AND MACHINE ROOM SMOKE AND HEAT DETECTORS SHALL HAVE AN EXTRA SET OF CONTACTS TO OPERATE THE IN-CAR FIRE HALL WHEN IN ALARM STATUS. PER NFPA 72 SECTION 21.3.1.4 AND PER 2019 ASME A17.1, 2.27.3.2. ALL ELEVATOR HOISTWAYS REQUIRED TWO RELAYS TO FLUSH PAST. CIRCUITS TO SHUT DOWN ELEVATOR POWER SHALL BE MONITORED FOR THE PRESENCE OF OPERATING VOLTAGE. PER NFPA 72 SECTION 21.4.4. LOSS OF VOLTAGE TO THE CONTROL CIRCUIT FOR THE DISCONNECTING MEANS SHALL CAUSE A SHUT-DOWN OF THE ELEVATOR. PER 2019 ASME A17.1, 2.27.3.2. PER NFPA 72 SECTION 21.4.5. PER NFPA 72 SECTION 21.4.5. COMPLY WITH 2019 ASME A17.1, V.005, AND NFPA 72 SECTION 21.3.1.4.
14. WHEREVER DOOR HOLD-OPEN DEVICES ARE SHOWN, THE SYSTEM SMOKE DETECTORS SHOWN ON BOTH SIDES OF THE DOOR SHALL BE USED TO COMPLY WITH THE 2019 NFA 72. THE HOLD-OPEN DEVICES SHALL AUTOMATICALLY CLOSE THE DOORS IN LOSS OF POWER OR BY THE SMOKE DETECTORS, PER USC.
15. PROVIDE ALL 120-VOLT POWER NEEDED FOR THE FIRE ALARM SYSTEM. PROVIDE CIRCUIT BREAKER LOGS AND CLEARLY INDICATE IN THE DIRECTORY THAT THEY ARE FIRE ALARM CIRCUITS. PROVIDE RED BREAKER, RED CIRCUIT BREAKER LOG AND RED END OF LINE IDENTIFICATION. PROVIDE RED END OF LINE IDENTIFICATION. SHALL BE DETERMINED BY THE FIRE ALARM SUPPLIER AND INCLUDED IN BID. ALL POWER SUPPLIES SHALL BE LOCATED IN UTILITY-STYLE SPACES (MECH/ELECTROOM ROOMS, HOUSEKEEPING CLOSETS, TRASH ROOMS, ETC.).
16. CAREFULLY COORDINATE LOCATIONS OF ALL LIGHTING FIXTURES, OCCUPANCY SENSORS, SMOKE AND HEAT DETECTORS, FIRE ALARM NOTIFICATION APPLIANCES AND OTHER ELECTRICAL, CEILING FIXTURES WITH SPRINKLER SCHEDULES AND CEILING SCHEDULES. COORDINATE WITH THE CONTRACTOR TO PREVENT LIGHTING FIXTURES ON LOW LEVELS SUCH THAT FIXTURES WILL NOT INTERFERE WITH DOOR SWINGS.
17. PROVIDE SHALLOW BOXES FOR NEW DEVICES IN FURRED WALLS. COORDINATE DEPTH WITH ARCHITECTURAL.
18. WHERE OUTLETS ARE SHOWN ABOVE A COUNTER OR SIMILAR SURFACE WITH A SPECIFIC MOUNTING HEIGHT, COORDINATE WITH THE ARCHITECT WITH THE MOUNTING HEIGHT. EXISTING SPACE IS TIGHT IN MANY AREAS, PARTICULARLY ABOVE CEILINGS, AND THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO COORDINATE ALL ELECTRICAL WORK WITH BOTH NEW AND EXISTING PIPING, DUCTWORK, CONDUIT, ETC. NO CHANGE ORDERS WILL BE APPROVED FOR ADDITIONAL WORK DUE TO THE CONTRACTOR NEGLECTING TO VISIT THE SITE AND GATHER ALL NECESSARY INFORMATION.
19. FOR WALL DEVICES MOUNTED ABOVE ARCHITECTURAL ITEMS (SUCH AS FIRE ALARM STROBES OR CLOCKS MOUNTED ABOVE MARKERBOARDS, TACKBOARDS OR SMARTBOARDS), COORDINATE MOUNTING HEIGHTS OF WALL DEVICES SUCH THAT THEY DO NOT INTERFERE WITH ARCHITECTURAL ITEMS.
20. WHERE SURFACE RACEWAY IS USED. COORDINATE WITH MARKERBOARD, TACKBOARD AND SMARTBOARD LOCATIONS IN ORDER TO AVOID INTERFERENCE WITH RACEWAY.
21. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL, FLOOR AND CEILING CONSTRUCTION, AND PROVIDE NECESSARY RATED DEVICES AND FIRE SEALANT FOR PENETRATIONS. WHERE NEW DEVICES ARE SHOWN REQUIRED IN RATED PARTITIONS, CAREFULLY COORDINATE LOCATIONS AND OFFSETS.
22. PROVIDE CORD AND PUSHS TO MATE AND MATCH WITH RECTANGLE TYPE COVER FOR ALL RESIDENTIAL-TRAPPEE DEVICES, DRYERS, DISHWASHERS, AND OTHER APPLIANCES.
23. PROVIDE ALL 120-VOLT POWER NEEDED BY THE BAS. COORDINATE WITH THE CONTROLS SPECIFICATIONS AND CONTRACTOR.
24. FOR ALL EXTERIOR UNDERGROUND CONDUIT AND WIRING, CAREFULLY COORDINATE ALL WORK WITH EXISTING SOIL CONDITIONS TO AVOID CONFLICTS. NOTIFY ENGINEER IF REQUIRED. PROVIDE ALL NECESSARY MATERIALS THAT BE DIFFERENT FROM WHAT IS SHOWN ON THE DRAWINGS.
25. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID IN ORDER TO VERIFY ALL EXISTING CONDITIONS, TO DETERMINE THE FULL EXTENT OF DEMOLITION WORK REQUIRED, AND TO DETERMINE THE FULL EXTENT OF RELOCATION AND MODIFICATION WORK REQUIRED FOR ELECTRICAL WORK (DUE TO OTHER CONSTRUCTION, INTERFERING OR ANY OTHER REASON). EXISTING SPACE IS TIGHT IN MANY AREAS, PARTICULARLY ABOVE CEILINGS, AND THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO COORDINATE ALL ELECTRICAL WORK WITH BOTH NEW AND EXISTING PIPING, DUCTWORK, CONDUIT, ETC. NO CHANGE ORDERS WILL BE APPROVED FOR ADDITIONAL WORK DUE TO THE CONTRACTOR NEGLECTING TO VISIT THE SITE AND GATHER ALL NECESSARY INFORMATION.



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**DEPARTMENT OF SOCIAL
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BEDFORD COUNTY

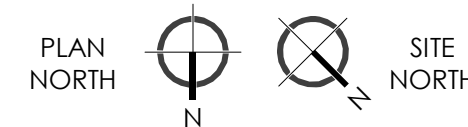
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SHEET ISSUE DATE
06.12.2026

PROJECT PHASE:
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SHEET REVISIONS



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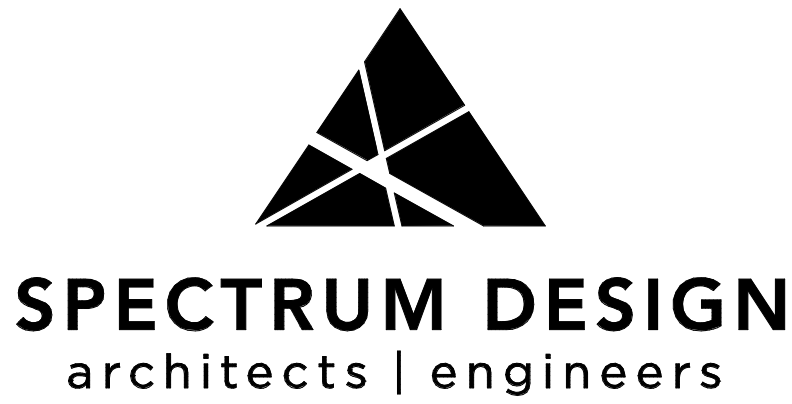
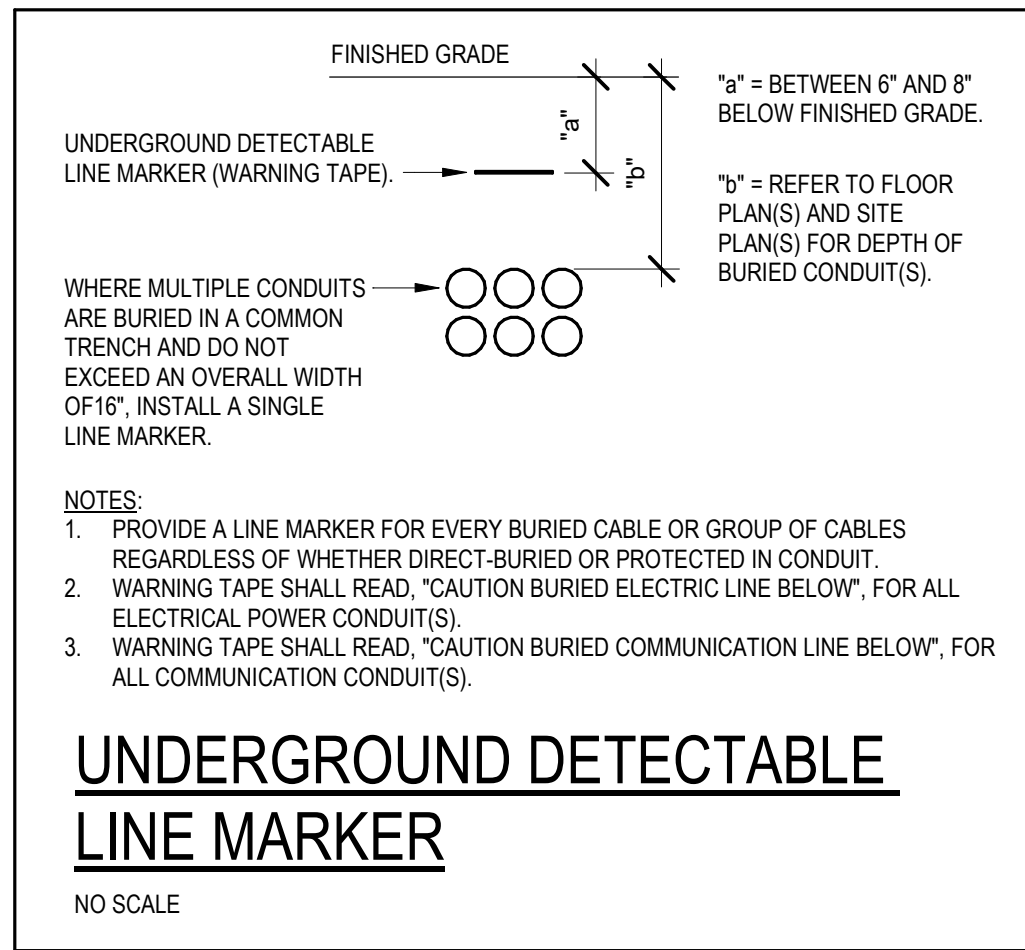
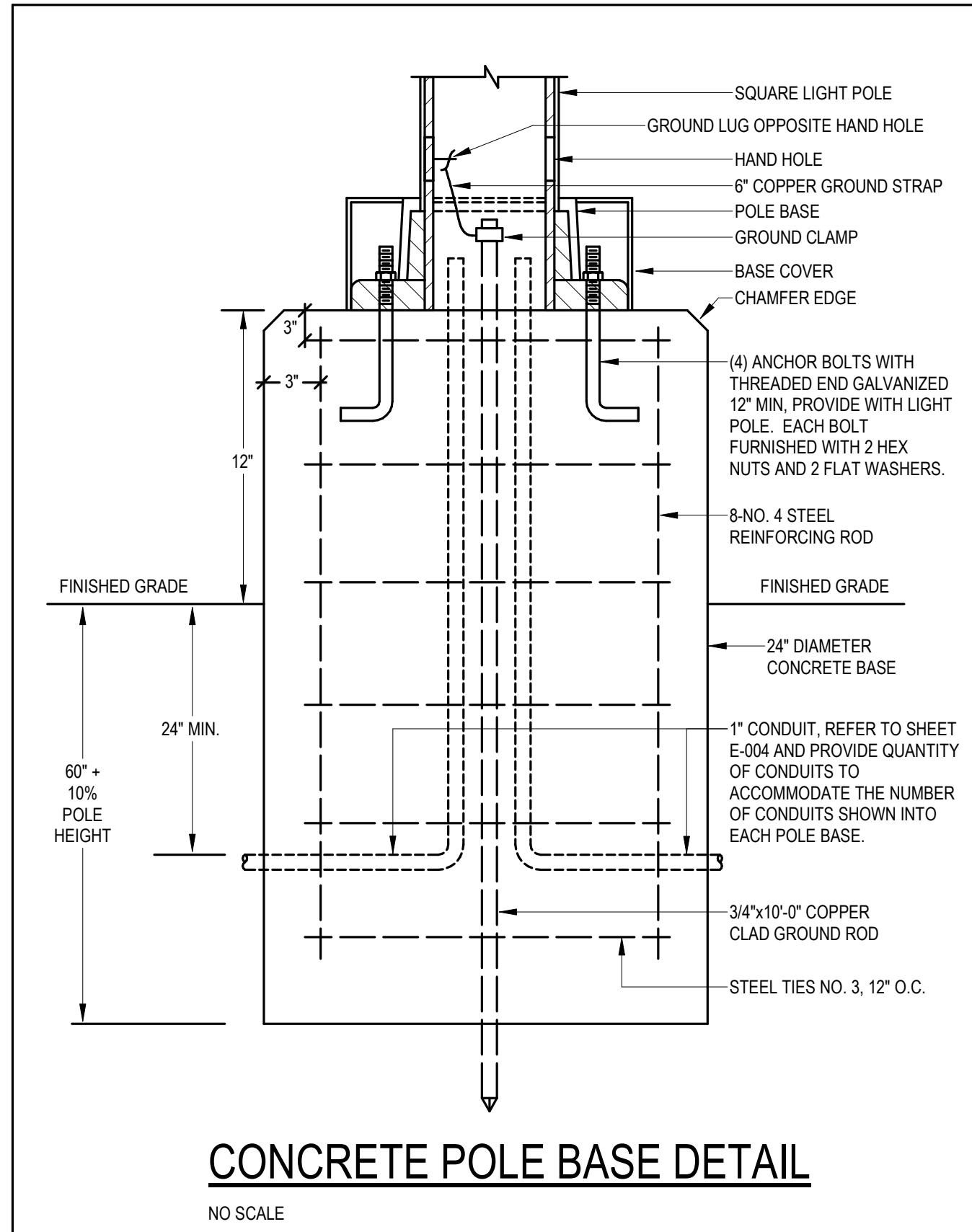
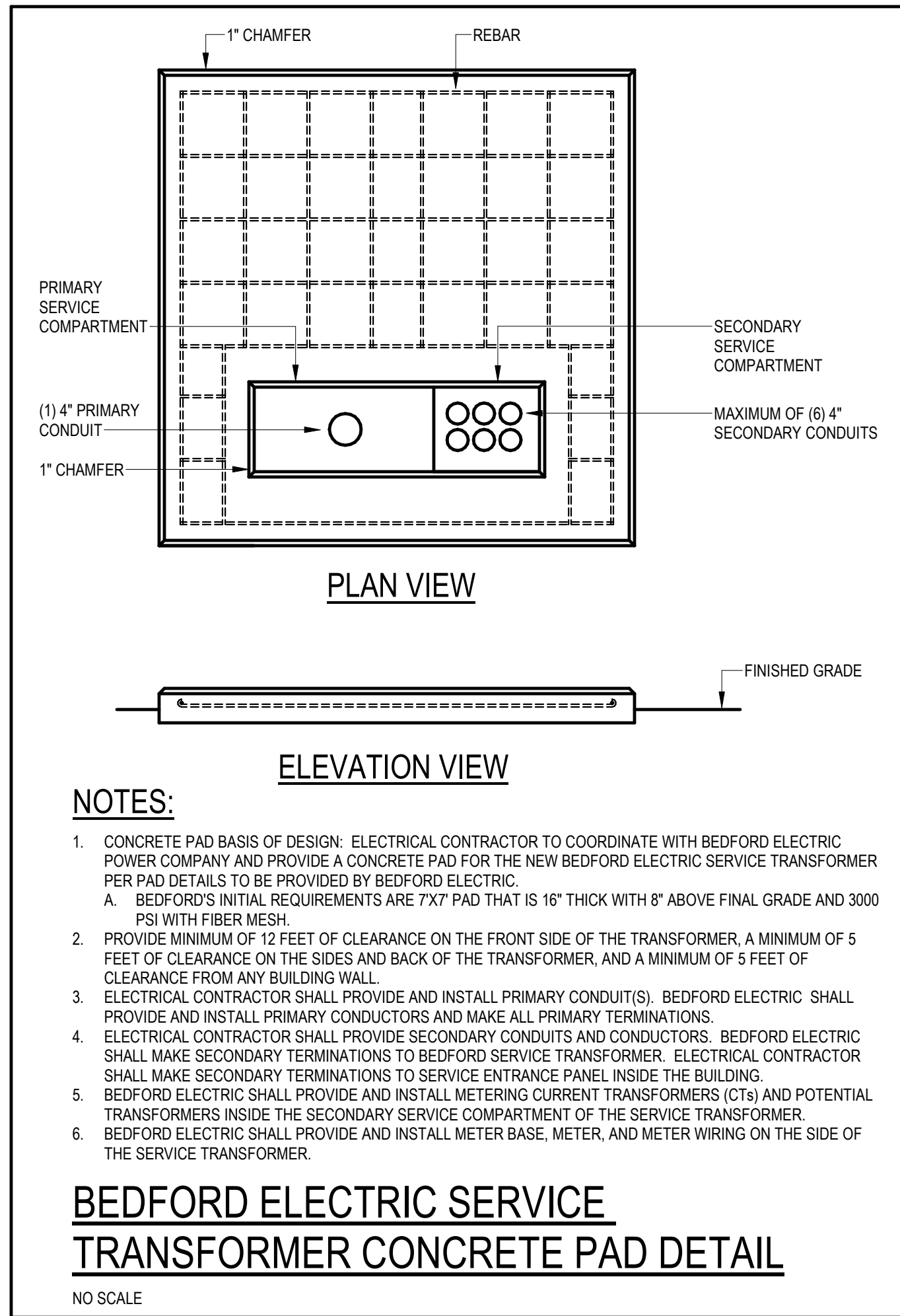
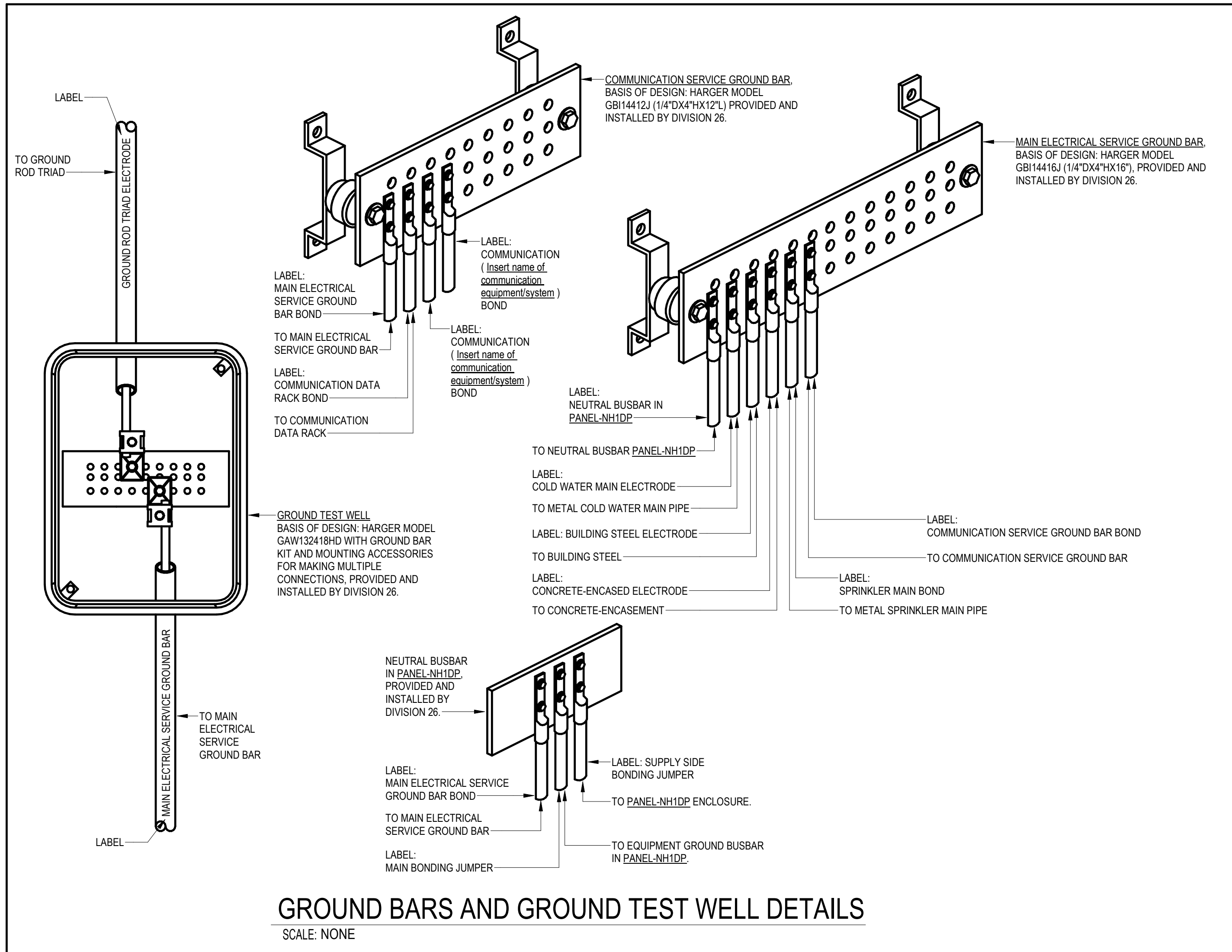
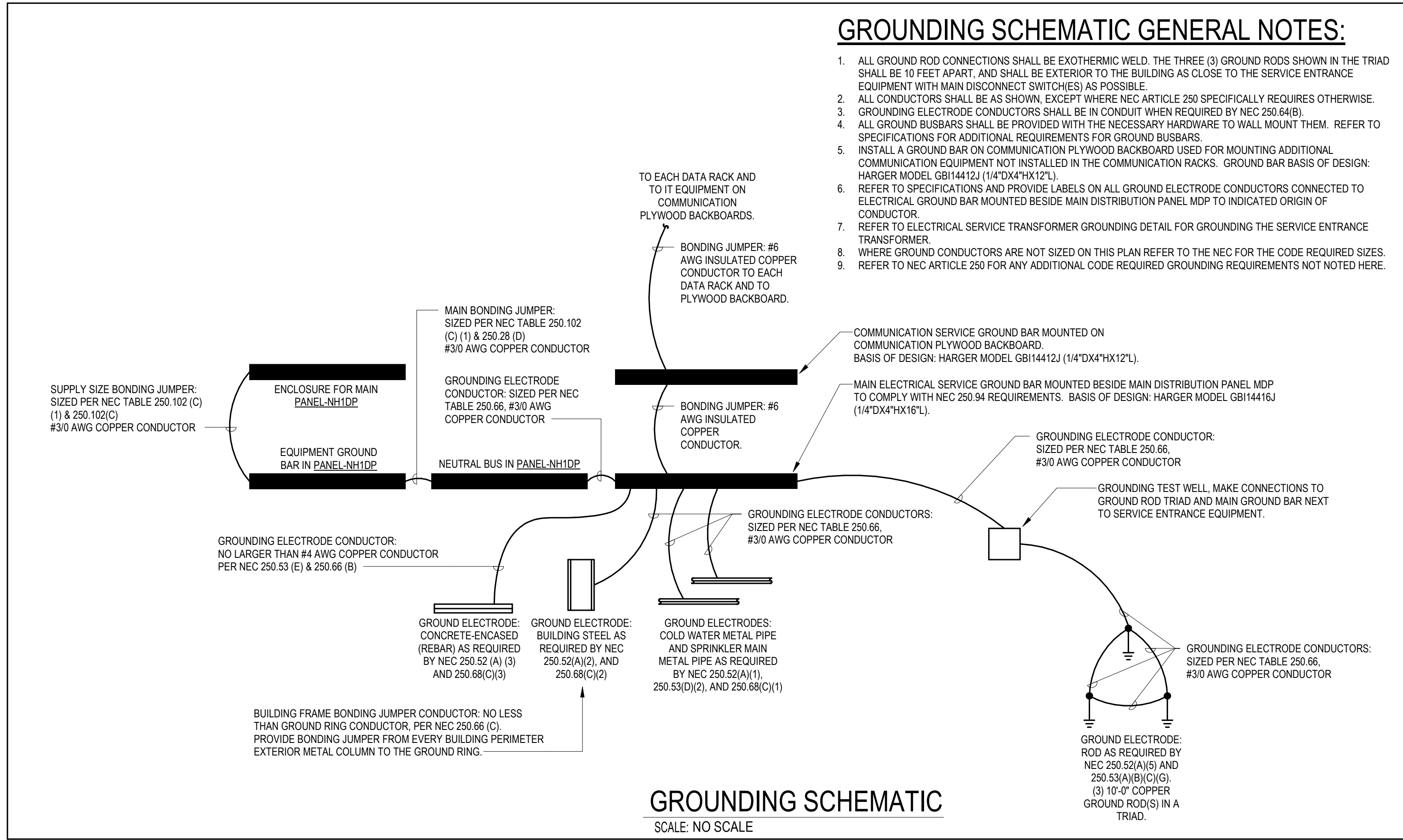
ELECTRICAL LEGEND, ABBREVIATIONS, AND NOTES

SHEET NUMBER

E001

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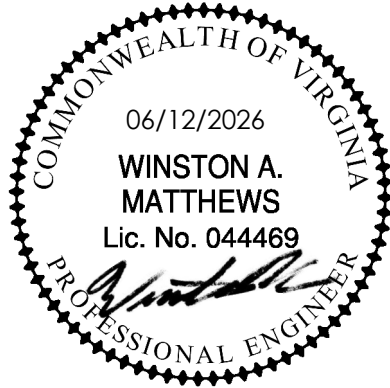
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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

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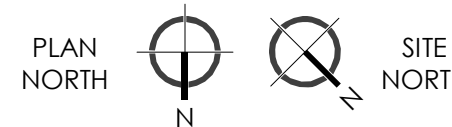
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SHEET ISSUE DATE:

06.12.2026
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PROJECT PHASE:

SHEET REVISIONS:



SHEET NAME:

ELECTRICAL GROUNDING SCHEMATICS AND DETAILS

SHEET NUMBER:

E003

GENERAL NOTES:

- ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE. ALSO NOTE THAT PER SPECIFICATIONS, THE SMALLEST SIZE CONDUIT UNDER GRADE OR BELOW SLAB SHALL BE 1" CONDUIT.
- PROVIDE UNDERGROUND DETECTABLE LINE MARKERS OVER TOP OF ALL BURIED CONDUITS BELOW FINISHED GRADE, REFER TO DETAIL ON SHEET E003.

LIGHT FIXTURE SCHEDULE NOTES:

- REFER TO LIGHT FIXTURE SCHEDULE NOTES ON SHEET E101.

SITE LIGHT FIXTURE SCHEDULE

TYPE	MOUNTING	LAMP TYPE	MANUFACTURE & CATALOG NUMBER (BASIS OF DESIGN)	REMARKS
K1	BUILDING WALL	-	-	REFER TO MAIN BUILDING LIGHT FIXTURE SCHEDULE ON SHEET E102
S1	POLE, CONCRETE BASE	16,000 LUMEN LED	LIGHT HEAD: GARDCO: OFF-S-16L-840-AFR-AR1-UNV LIGHT POLE: VALMOUNT: DS330-500W300-FBC-AB	COLOR FINISHES AS SELECTED BY OWNER AND ARCHITECT. MOUNT LIGHT FIXTURE AT 29'-6" ABOVE FINISHED GRADE.
S2	POLE, CONCRETE BASE	16,000 LUMEN LED	LIGHT HEAD: GARDCO: OFF-S-16L-840-T4M-AR1-UNV, OFF-S-HIS-T4-1 LIGHT POLE: VALMOUNT: DS330-500W300-FBC-AB	COLOR FINISHES AS SELECTED BY OWNER AND ARCHITECT. MOUNT LIGHT FIXTURE AT 29'-6" ABOVE FINISHED GRADE.
S3	POLE, CONCRETE BASE	16,000 LUMEN LED	LIGHT HEAD: GARDCO: OFF-S-16L-840-TSN-AR1-UNV LIGHT POLE: VALMOUNT: DS330-500W300-FBC-AB	COLOR FINISHES AS SELECTED BY OWNER AND ARCHITECT. MOUNT LIGHT FIXTURE AT 29'-6" ABOVE FINISHED GRADE.
S4	POLE, CONCRETE BASE	(2) 16,000 LUMEN LEDS	LIGHT HEADS: GARDCO: OFF-S-16L-840-T4M-AR1-UNV LIGHT POLE: VALMOUNT: DS330-500W300-FBC-AB	(2) LIGHTS ON POLE 180 DEGREES APART. COLOR FINISHES AS SELECTED BY OWNER AND ARCHITECT. MOUNT LIGHT FIXTURE AT 29'-6" ABOVE FINISHED GRADE.

PLAN NOTES: (E)

- ALL NEW EXTERIOR LIGHTING BRANCH CIRCUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINAL FINISHED GRADE TO TOP OF CONDUITS. REFER TO SHEET E002 FOR EXTERIOR LIGHTING CONTRACTOR DETAIL FOR CIRCUITS TO ALL NEW EXTERIOR LIGHT FIXTURES. REFER TO SHEET E002 FOR BRANCH CIRCUIT VOLTAGE DROP CALCULATIONS FOR SIZE OF WIRING BETWEEN EACH SITE POLE LIGHT AND TO LIGHTING CONTRACTOR.
- REFER TO SHEET E002 FOR 24"x24"x24" MANHOLE DETAIL. LOGO FOR ELECTRICAL HANDHOLES SHALL BE "ELECTRICAL". LOGO FOR COMMUNICATION HANDHOLES SHALL BE "COMMUNICATIONS".
- REFER TO SHEET E003 FOR LIGHT FIXTURE CONCRETE POLE BASE DETAIL.
- REFER TO SHEET E101 AND E102 AND LIGHTING CONTRACTOR LC1 DETAIL ON SHEET E002 FOR CIRCUITING INFORMATION ON TYPE K1 BUILDING MOUNTED LIGHT FIXTURES.
- PROVIDE NEW COMMUNICATION SERVICE TO BUILDING FROM EXISTING COMMUNICATIONS PEDESTAL NEXT TO POWER POLE. CONDUITS SHALL BE INSTALLED A MINIMUM OF 36" BELOW FINAL FINISHED GRADE TO TOP OF CONDUITS.
- PROVIDE 1" CONDUIT FROM FIRE PIP IN UTILITIES M010 TO TAMPER SWITCH AT PIV ON SITE. CONDUIT SHALL BE A MINIMUM OF 24" BELOW FINAL FINISHED GRADE TO TOP OF CONDUIT. PROVIDE FIRE ALARM WIRING AS REQUIRED TO CONNECT TO TAMPER SWITCH AT PIV.
- BEDFORD ELECTRIC METER/METER BASE TO BE PROVIDED AND INSTALLED BY BEDFORD ELECTRIC. CONDUIT BETWEEN BEDFORD ELECTRIC METER/METER BASE TO BE PROVIDED AND INSTALLED BY BEDFORD ELECTRIC. BEDFORD ELECTRIC TO INSTALL THE METER BASE ON THE SIDE OF THEIR SERVICE TRANSFORMER.
- REFER TO ELECTRICAL RISER DIAGRAM ON SHEET E200 FOR SIZE AND QUANTITY OF BOTH UNDERGROUND SECONDARY SERVICE FEEDERS BETWEEN BEDFORD ELECTRIC SERVICE TRANSFORMER AND MAIN SERVICE PANELS. ELECTRICAL CONTRACTOR TO PROVIDE SECONDARY SERVICE FEEDERS. ALL CONDUITS SHALL BE BURIED A MINIMUM OF 36" BELOW FINAL FINISHED GRADE TO TOP OF CONDUIT.
- BEDFORD ELECTRIC SERVICE TRANSFORMER TO BE PROVIDED AND INSTALLED BY BEDFORD ELECTRIC. SERVICE GROUNDING AT BEDFORD ELECTRIC SERVICE TRANSFORMER TO BE PROVIDED AND INSTALLED BY BEDFORD ELECTRIC. BEDFORD ELECTRIC TO PROVIDE ALL PRIMARY AND SECONDARY SERVICE TERMINATIONS TO THE PRIMARY AND SECONDARY SERVICE FEEDERS. ELECTRICAL CONTRACTOR TO COORDINATE WITH BEDFORD ELECTRIC TO DETERMINE IF PIN CONNECTORS ARE REQUIRED ON THE END OF THE SECONDARY SERVICE FEEDERS WHERE THEY CONNECT TO BEDFORD ELECTRIC SERVICE TRANSFORMER. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL SERVICE TRANSFORMER CONCRETE PAD, REFER TO SHEET E003 AND COORDINATE WITH BEDFORD ELECTRIC FOR CONCRETE PAD BASE DETAIL.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL (1) 4" SCHEDULE PVC CONDUIT FROM POWER POLE TO NEW BEDFORD SERVICE TRANSFORMER, BURIED A MINIMUM OF 36" BELOW FINAL FINISHED GRADE TO TOP OF CONDUIT. BEDFORD ELECTRIC ONLY REQUESTED (1) 4" CONDUIT FOR THE PRIMARY DURING DESIGN PHASE. COORDINATE WITH BEDFORD ELECTRIC DURING CONSTRUCTION PHASE AND VERIFY THEY ONLY REQUIRED ONE CONDUIT OR IF THEY ARE REQUESTING SOMETHING ELSE. COORDINATE WITH BEDFORD ELECTRIC DURING CONSTRUCTION PHASE TO DETERMINE HOW TO EXTEND THE 4" CONDUIT UP THE POWER POLE. BEDFORD ELECTRIC TO PROVIDE AND INSTALL THE PRIMARY CONDUCTORS.



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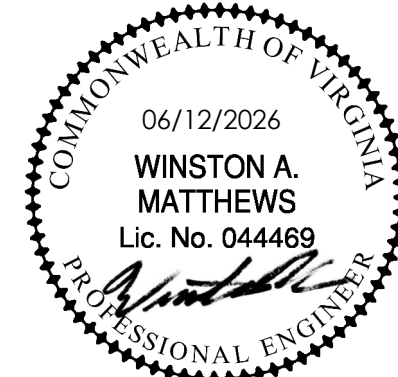
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**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **RCH** CHECKED BY: **WAM** DRAWN BY: **MAS**

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

SHEET REVISIONS:

LIGHTING CONTROLS - SEQUENCE OF OPERATIONS:

- EXTERIOR BUILDING MOUNTED AND POLE MOUNTED LIGHT FIXTURES.
 - EMERGENCY EGRESS EXTERIOR LIGHTS: THE EMERGENCY EGRESS EXTERIOR LIGHT FIXTURES SHALL BE CONNECTED THROUGH A HOA SWITCH, LIGHTING CONTACTOR, EXTERIOR PHOTOSENSOR, AND LIGHTING LOAD CONTROLLERS. REFER TO LIGHT CONTACTOR DETAIL ON SHEET E002. WHEN THE HOA SWITCH IS SET TO "A", THE EXTERIOR LIGHTS WILL BE AUTOMATICALLY CONTROLLED BY THE PHOTOCELL, TURNING EXTERIOR LIGHTS ON AT DUSK AND OFF AT DAWN. WHEN THE HOA SWITCH IS SET TO "O", THE EXTERIOR LIGHTS WILL BE MANUALLY TURNED ON AND STAY ON UNTIL SWITCHED TO EITHER "O" OR "A". WHEN THE HOA SWITCH IS SET TO "O", THE EXTERIOR LIGHTS WILL BE MANUALLY TURNED OFF AND STAY OFF UNTIL SWITCHED TO EITHER "O" OR "A".
 - PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS EXTERIOR LIGHTING CIRCUIT. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NORMAL POWER LIGHTING CIRCUIT (AHEAD OF LIGHTING INVERTER AND AHEAD OF LIGHTING CONTACTOR). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS EXTERIOR LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING THE LIGHTING CONTACTOR CONTROLS. THE LIGHT EMERGENCY EGRESS LIGHT FIXTURES WOULD BE DIRECTLY CONNECTED TO THE EMERGENCY LIGHT CIRCUIT POWERED BY THE LIGHTING INVERTER.

ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

SCALE: 1" = 20'

PLAN NORTH
N
SITE NORTH

SHEET NAME:

ELECTRIC SITE PLAN

SHEET NUMBER:

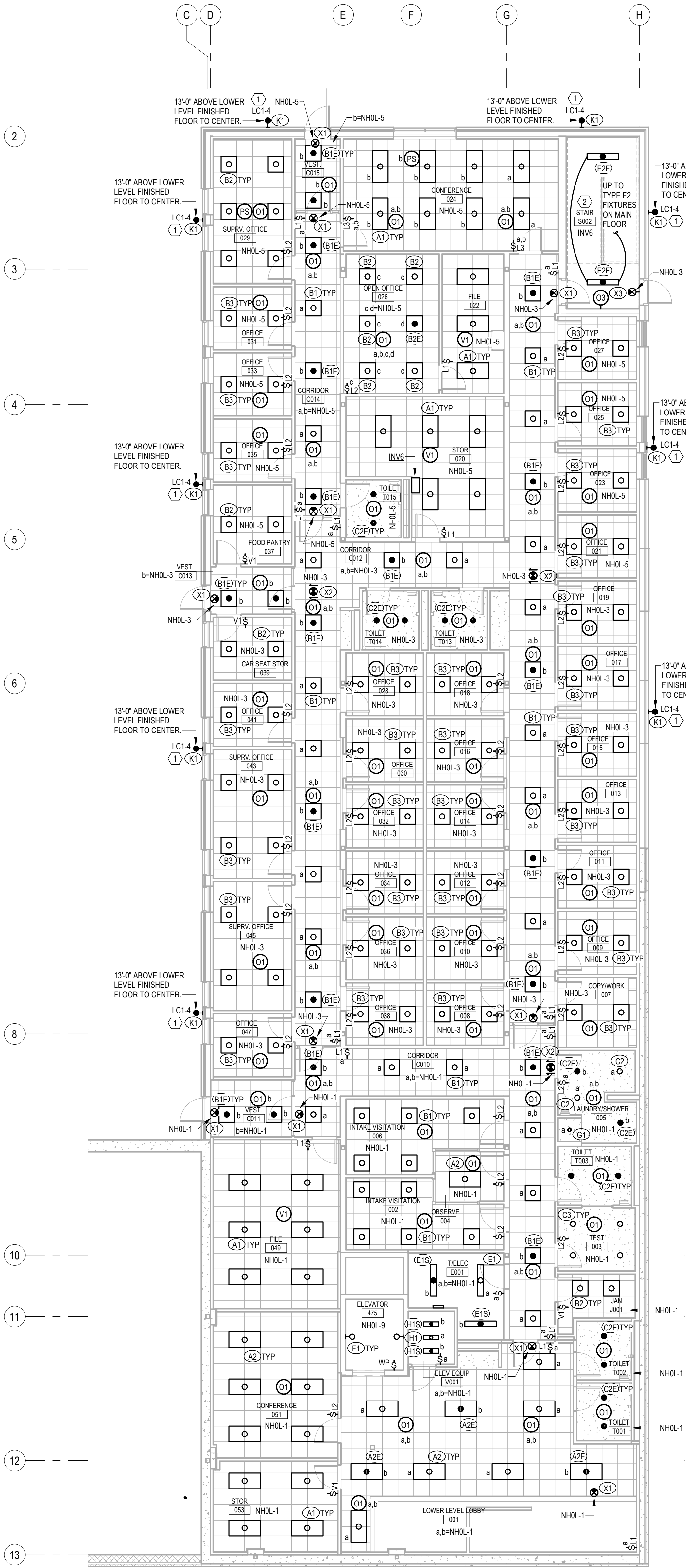
E004

LIGHTING CONTROLS - SEQUENCE OF OPERATIONS (ROOM BY ROOM)

1. INTAKE VISITATION 002, 006, TEST 003, OBSERVE 004, COPY WORK 007, OFFICE 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 021, 023, 025, 027, 028, 030, 031, 032, 033, 034, 036, 038, 041, 043, 047, SUPRV OFFICE 048, CONFERENCE 051.
- A. GENERAL LIGHTS: THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING THE ROOM. THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. THE LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE SLS WALL DIMMER(S).
- B. AUTOMATIC RECEPTACLE CONTROL: THE CONTROLLED RECEPTABLES, INDICATED WITH A "C" LABEL ON SHEET E111, IN THIS SPACE SHALL BE CONTROLLED BY CEILING MOUNTED LOW-VOLTAGE OCCUPANCY SENSORS (SAME SENSORS AS FOR THE LIGHT FIXTURES). THE CONTROLLED RECEPTABLES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE CONTROLLED RECEPTABLES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. CONTRACTOR TO PROVIDE A LOAD CONTROL RELAY FOR THE CIRCUIT TO THE CONTROLLED RECEPTABLES.
2. CONFERENCE 024.
- A. GENERAL LIGHTS: THE "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING THE ROOM. THE "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. THE "4" LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE SLS WALL DIMMER(S). EACH ZONE SHALL BE CONTROLLED INDIVIDUALLY.
- B. DAYLIGHT HARVESTING LIGHTS: THE "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM AND RASE/LOWER TO 50 FOOTCANDLES AT 2.5 FEET ABOVE THE FLOOR FOR DAYLIGHT HARVESTING. THE "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. THE "4" LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE SLS WALL DIMMER(S). EACH ZONE SHALL BE CONTROLLED INDIVIDUALLY. THESE DAYLIGHT HARVESTING LIGHT FIXTURES SHALL MAINTAIN THE SETTING OF THE MANUAL OVERRIDE CONTROLS UNTIL THE ROOM IS VACANT AND THE LIGHTS HAVE BEEN TURNED AUTOMATICALLY TURNED OFF.
- C. AUTOMATIC RECEPTACLE CONTROL: THE CONTROLLED RECEPTABLES, INDICATED WITH A "C" LABEL ON SHEET E111, IN THIS SPACE SHALL BE CONTROLLED BY CEILING MOUNTED LOW-VOLTAGE OCCUPANCY SENSORS (SAME SENSORS AS FOR THE LIGHT FIXTURES). THE CONTROLLED RECEPTABLES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE CONTROLLED RECEPTABLES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. CONTRACTOR TO PROVIDE A LOAD CONTROL RELAY FOR THE CIRCUIT TO THE CONTROLLED RECEPTABLES.
3. SUPRV OFFICE 029.
- A. DAYLIGHT HARVESTING LIGHTS: THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM AND RASE/LOWER TO 50 FOOTCANDLES AT 2.5 FEET ABOVE THE FLOOR FOR DAYLIGHT HARVESTING. THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. THE LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE SLS WALL DIMMER. THESE DAYLIGHT HARVESTING LIGHT FIXTURES SHALL MAINTAIN THE SETTING OF THE MANUAL OVERRIDE CONTROLS UNTIL THE ROOM IS VACANT AND THE LIGHTS HAVE BEEN TURNED AUTOMATICALLY TURNED OFF.
- B. AUTOMATIC RECEPTACLE CONTROL: THE CONTROLLED RECEPTABLES, INDICATED WITH A "C" LABEL ON SHEET E111, IN THIS SPACE SHALL BE CONTROLLED BY CEILING MOUNTED LOW-VOLTAGE OCCUPANCY SENSORS (SAME SENSORS AS FOR THE LIGHT FIXTURES). THE CONTROLLED RECEPTABLES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE CONTROLLED RECEPTABLES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. CONTRACTOR TO PROVIDE A LOAD CONTROL RELAY FOR THE CIRCUIT TO THE CONTROLLED RECEPTABLES.
4. OPEN OFFICE 026.
- A. GENERAL LIGHTS: THE "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING THE ROOM. THE "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. THE "4" LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE SLS WALL DIMMER(S).
- B. EMERGENCY EGRESS LIGHTS: ALL "4" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "4" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "4" EMERGENCY EGRESS LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR. NO LOW-VOLTAGE WALL CONTROLS FOR THESE EMERGENCY EGRESS LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
- C. AUTOMATIC RECEPTACLE CONTROL: THE CONTROLLED RECEPTABLES, INDICATED WITH A "C" LABEL ON SHEET E111, IN THIS SPACE SHALL BE CONTROLLED BY CEILING MOUNTED LOW-VOLTAGE OCCUPANCY SENSORS (SAME SENSORS AS FOR THE LIGHT FIXTURES). THE CONTROLLED RECEPTABLES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE CONTROLLED RECEPTABLES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. CONTRACTOR TO PROVIDE A LOAD CONTROL RELAY FOR THE CIRCUIT TO THE CONTROLLED RECEPTABLES.
5. LAUNDRY SHOWER 005.
- A. GENERAL LIGHTS: ALL "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THEN ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "4" LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR. NO LOW-VOLTAGE WALL CONTROLS FOR THESE LIGHT FIXTURES. THE "4" LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE SLS WALL DIMMER.
- B. EMERGENCY EGRESS LIGHTS: ALL "4" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "4" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "4" EMERGENCY EGRESS LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR. NO LOW-VOLTAGE WALL CONTROLS FOR THESE EMERGENCY EGRESS LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
6. TOILET 1001, 1003, 1013, 1014, 1015.
- A. EMERGENCY EGRESS LIGHTS: ALL EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE EMERGENCY EGRESS LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR. NO LOW-VOLTAGE WALL CONTROLS FOR THESE EMERGENCY EGRESS LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
7. ITELEC E001, ELEV EQUIP V001.
- A. GENERAL LIGHTS: THE "4" LIGHT FIXTURES WILL HAVE TO BE MANUALLY TURNED "ON/OFF" VIA THE 5 TOGGLE WALL SWITCH.
- B. EMERGENCY EGRESS LIGHTS: THE "4" EMERGENCY EGRESS LIGHT FIXTURES IN THE ROOM SHALL AUTOMATICALLY TURN ON VIA THE INTEGRAL OCCUPANCY SENSOR IN EACH TYPE E1S OR H1S LIGHT FIXTURE. THE EMERGENCY EGRESS LIGHTS SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSORS TO 15 MINUTES. THERE ARE NO MANUAL CONTROLS FOR THESE EGRESS LIGHT FIXTURES. ONLY TO BE CONTROLLED VIA THE INTEGRAL OCCUPANCY SENSORS.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
8. FOOD PANTRY 007, CAR SEAT STOR 008, STOR 001, JAN 001.
- A. GENERAL LIGHTS: THE LIGHT FIXTURES WILL HAVE TO BE MANUALLY TURNED ON WHEN ENTERING THE ROOM. THE LIGHT FIXTURE(S) WILL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 5 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE VACANCY SENSOR TO 5 MINUTES. THE LIGHT FIXTURE(S) CAN MANUALLY BE TURNED ON/OFF VIA THE S1 WALL COMBINATION WALL MOUNTED SENSOR SWITCH.
9. STOR 002, FILE ROOM 022, 045.
- A. GENERAL LIGHTS: THE LIGHT FIXTURE(S) WILL HAVE TO BE MANUALLY TURNED ON WHEN ENTERING THE ROOM. THE LIGHT FIXTURE(S) WILL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 5 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE VACANCY SENSOR TO 5 MINUTES. THE LIGHT FIXTURE(S) CAN MANUALLY BE TURNED ON/OFF VIA THE S1 WALL MOUNTED SWITCHES.
10. LOWER LEVEL LOBBY 001, CORRIDOR 012, 014, VEST 011, 013, 015.
- A. GENERAL LIGHTS: ALL "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE CORRIDOR. THE "4" LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THEN CORRIDOR IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "4" LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF VIA THE S1 WALL MOUNTED SWITCHES.
- B. EMERGENCY EGRESS LIGHTS: ALL "4" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "4" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "4" EMERGENCY EGRESS LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR. NO LOW-VOLTAGE WALL CONTROLS FOR THESE EMERGENCY EGRESS LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
11. STAIR 5002.
- A. EMERGENCY EGRESS STAIRWAY LIGHTS: WHEN THE STAIRS ARE OCCUPIED THE EMERGENCY EGRESS LIGHT FIXTURES WILL TURN ON TO 100% LIGHT LEVELS. WHEN THE STAIRS ARE VACANT FOR 15 MINUTES, THE EMERGENCY EGRESS LIGHT FIXTURES WILL DIM TO 10% LIGHT LEVELS. THE LIGHT FIXTURES ARE ON 24/7/365, NO WALL CONTROLS FOR THE LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
12. ELEVATOR PIT ELEV 015.
- A. ELEVATOR LIGHTS: THE LIGHT FIXTURE(S) WILL HAVE TO BE MANUALLY TURNED ON/OFF VIA THE WALL MOUNTED TOGGLE SWITCH.
13. EXTERIOR BUILDING MOUNTED LIGHT FIXTURES.
- A. EMERGENCY EGRESS EXTERIOR LIGHTS: THE EMERGENCY EGRESS LIGHT FIXTURES SHALL BE CONNECTED THROUGH A H-O-A SWITCH, LIGHTING CONTACTOR, EXTERIOR PHOTOSENSOR, AND LIGHTING LOAD CONTROLLERS. REFER TO LIGHT CONTACTOR DETAIL ON SHEET E002. WHEN THE HOA SWITCH IS SET TO "A", THE EXTERIOR LIGHTS WILL BE AUTOMATICALLY CONTROLLED BY THE PHOTOCELL TURNING EXTERIOR LIGHTS ON AT DUSK AND OFF AT DAWN. WHEN THE HOA SWITCH IS SET TO "H", THE EXTERIOR LIGHTS WILL BE MANUALLY TURNED ON AND STAY ON UNTIL SWITCHED TO EITHER "O" OR "A". WHEN THE HOA SWITCH IS SET TO "O", THE EXTERIOR LIGHTS WILL BE MANUALLY TURNED OFF AND STAY OFF UNTIL SWITCHED TO EITHER "O" OR "A".
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS EXTERIOR LIGHTING CIRCUIT. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NORMAL POWER LIGHTING CIRCUIT (AHEAD OF LIGHTING INVERTER AND AHEAD OF LIGHTING CONTACTOR). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS EXTERIOR LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING THE LIGHTING CONTACTOR CONTROLS. THE LIGHT EMERGENCY EGRESS LIGHT FIXTURES WOULD BE DIRECTLY CONNECTED TO THE EMERGENCY LIGHT CIRCUIT POWERED BY THE LIGHTING INVERTER.

LIGHTING SENSOR AND SWITCH SCHEDULE

TYPE	MOUNTING	PERFORMANCE SPECIFICATION
PS	CEILING	CEILING MOUNTED PHOTOSENSOR CAPABLE OF WORKING WITH THE APPROVED LIGHT FIXTURE MANUFACTURER'S DRIVERS/BALLASTS, CONTROL MODULES, AND SENSOR INTERFACES TO IMPLEMENT DAYLIGHT HARVESTING. PHOTOSENSOR SHALL BE ABLE TO MAINTAIN A SPECIFIC LIGHT LEVEL IN THE SPACE BY ALLOWING THE CONTROL SYSTEM TO AUTOMATICALLY RAISE OR LOWER THE LIGHT LEVELS BASED ON THE DAYLIGHT LEVELS OUTSIDE. PHOTOSENSOR SHALL BE CALIBRATED THROUGH THE LIGHT CONTROL SYSTEM THAT IT IS CONNECTED TO. MEETS IEC 801-2 AND IS TESTED TO WITHSTAND 15KV ELECTROSTATIC DISCHARGE WITHOUT DAMAGE. SENSOR WIRING INSULATION IS RATED TO 800 VOLTS. CLASS 2 OPERATION WITH VOLTAGES NOT TO EXCEED 36 VOLTS DC. TEMPERATURE RANGE OF 0 DEGREES C TO 45 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS. PROVIDE WITH MANUFACTURER REQUIRED POWER PACKS.
S1	WALL (45" AFF TO CENTER)	2-BUTTON SWITCH "ON/OFF". MOUNTS IN ANY SINGLE-GANG WALL BOX. CLASS 2 OPERATION WITH VOLTAGES NOT TO EXCEED 35 VOLTS DC. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS.
S1.2	WALL (45" AFF TO CENTER)	2-BUTTON 0-10V DIMMER WITH "ON/OFF/RAISE/LOWER". MOUNTS IN ANY SINGLE-GANG WALL BOX. CLASS 2 OPERATION WITH VOLTAGES NOT TO EXCEED 35 VOLTS DC. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS.
S1.3	WALL (45" AFF TO CENTER)	3-BUTTON WALL STATION WITH 0-10V RAISE AND LOWER BUTTONS. BUTTON 1 TURNS ON/SELECTS "4" LIGHT FIXTURES, BUTTON 2 TURNS ON/SELECTS "4" LIGHT FIXTURES, BUTTON 3 TURNS ALL LIGHT FIXTURES OFF. ONCE YOU PRESS A BUTTON THE LED LIGHT NEXT TO THE BUTTON TURNS ON TO INDICATE THE LIGHT ZONE THAT IS OPERATIONAL AND THEN YOU CAN RASE/LOWER THE LIGHT LEVELS OF THE LIGHT FIXTURES IN THAT ZONE. MOUNTS IN ANY SINGLE-GANG WALL BOX. CLASS 2 OPERATION WITH VOLTAGES NOT TO EXCEED 36 VOLTS DC. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS.
S1.4	WALL (45" AFF TO CENTER)	5-BUTTON WALL STATION WITH 0-10V RAISE AND LOWER BUTTONS. BUTTON 1 TURNS ON/SELECTS "4" LIGHT FIXTURES, BUTTON 2 TURNS ON/SELECTS "4" LIGHT FIXTURES, BUTTON 3 TURNS ON/SELECTS "4" LIGHT FIXTURES, BUTTON 4 TURNS ON/SELECTS "4" LIGHT FIXTURES, BUTTON 5 TURNS ALL LIGHT FIXTURES OFF. ONCE YOU PRESS A BUTTON THE LED LIGHT NEXT TO THE BUTTON TURNS ON TO INDICATE THE LIGHT ZONE THAT IS OPERATIONAL AND THEN YOU CAN RASE/LOWER THE LIGHT LEVELS OF THE LIGHT FIXTURES IN THAT ZONE. MOUNTS IN ANY SINGLE-GANG WALL BOX. CLASS 2 OPERATION WITH VOLTAGES NOT TO EXCEED 36 VOLTS DC. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS.
S1.SC	WALL (45" AFF TO CENTER)	5-BUTTON WALL STATION FOR A PROGRAMMED SCENE CONTROLS. REFER TO THE SEQUENCE OF OPERATIONS ON SHEET E102 ON HOW TO PROGRAM EACH BUTTON. MOUNTS IN ANY SINGLE-GANG WALL BOX. CLASS 2 OPERATION WITH VOLTAGES NOT TO EXCEED 36 VOLTS DC. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS.
S1.V1	WALL (45" AFF TO CENTER)	VACANCY SENSOR SWITCH (MANUAL ON/OFF). OPERATING VOLTAGE OF 277 VOLTS. VACANCY SENSOR SHALL BE PIR TECHNOLOGY. MOUNTS IN ANY SINGLE-GANG WALL BOX. SENSOR SHALL HAVE A 180 DEGREES FIELD-OF-VIEW WITH UP TO 900 SQUARE FEET MAJOR MOTION COVERAGE AND 400 SQUARE FEET OF MINOR MOTION COVERAGE. LIGHTING LOAD OF 6 AMPS. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR AUTO-OFF TIME DELAYS AND ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS.
O1	CEILING	CEILING MOUNTED OCCUPANCY SENSOR (AUTO ON/OFF). OCCUPANCY SENSOR SHALL BE DUAL TECHNOLOGY (PIR AND ULTRASONIC). CLASS 2 OPERATION WITH VOLTAGES 20 - 24 VOLTS DC. SENSOR SHALL HAVE A 360 DEGREES FIELD-OF-VIEW WITH UP TO 2000 SQUARE FEET MOTION COVERAGE AT 10 TO 12 FEET MOUNTING HEIGHT. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR AUTO-OFF TIME DELAYS AND ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS. PROVIDE WITH MANUFACTURER REQUIRED POWER PACKS.
O2	CEILING	HIGH BAY CEILING MOUNTED OCCUPANCY SENSOR (AUTO ON/OFF). OCCUPANCY SENSOR SHALL BE DUAL TECHNOLOGY (PIR AND ULTRASONIC). CLASS 2 OPERATION WITH VOLTAGES 20 - 24 VOLTS DC. SENSOR SHALL HAVE A 360 DEGREES FIELD-OF-VIEW WITH UP TO 42 FEET RADIUS MOTION COVERAGE AT 30 FEET MOUNTING HEIGHT. TEMPERATURE RANGE OF 0 DEGREES C TO 30 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR AUTO-OFF TIME DELAYS AND ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS. PROVIDE WITH MANUFACTURER REQUIRED POWER PACKS.
V1	CEILING	CEILING MOUNTED VACANCY SENSOR (MANUAL ON/OFF). VACANCY SENSOR SHALL BE PIR TECHNOLOGY. CLASS 2 OPERATION WITH VOLTAGES 20 - 24 VOLTS DC. SENSOR SHALL HAVE A 360 DEGREES FIELD-OF-VIEW WITH UP TO 2000 SQUARE FEET MOTION COVERAGE AT 10 TO 12 FEET MOUNTING HEIGHT. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR AUTO-OFF TIME DELAYS AND ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS. PROVIDE WITH MANUFACTURER REQUIRED POWER PACKS.
O3	WALL	WALL CORNER MOUNTED OCCUPANCY SENSOR (AUTO ON/OFF). OCCUPANCY SENSOR SHALL BE DUAL TECHNOLOGY (PIR AND ULTRASONIC). CLASS 2 OPERATION WITH VOLTAGES 20 - 24 VOLTS DC. SENSOR SHALL HAVE A 90 DEGREES FIELD-OF-VIEW WITH UP TO 200 SQUARE FEET OF MAJOR MOTION COVERAGE AND 125 SQUARE FEET OF MINOR MOTION AT 7 TO 9 FEET MOUNTING HEIGHT. TEMPERATURE RANGE OF 0 DEGREES C TO 40 DEGREES C. MAXIMUM 90% RELATIVE HUMIDITY. REFER TO THE "LIGHTING CONTROLS" ON EACH LIGHTING FLOOR PLAN FOR AUTO-OFF TIME DELAYS AND ADDITIONAL OPERATION/PROGRAMMING REQUIREMENTS. PROVIDE WITH MANUFACTURER REQUIRED POWER PACKS.



LOWER LEVEL FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MOUNTING	LUMEN LED	WATTS	MANUFACTURER & CATALOG NUMBER (BASIS OF DESIGN)	REMARKS
A1	RECESSED CEILING	3800 LUMEN LED	27	DAY-BRITE: 2FGXG38L840-4-FS-UNV-DIM	
A2	RECESSED CEILING	4300 LUMEN LED	31	DAY-BRITE: 2FGXG43L840-4-FS-UNV-DIM	
A3	RECESSED CEILING	4800 LUMEN LED	36	DAY-BRITE: 2FGXG48L840-4-FS-UNV-DIM	PROVIDE INTEGRAL BOONIE 10W SELF-TESTING BATTERY PACK.
A4	RECESSED CEILING	5400 LUMEN LED	41	DAY-BRITE: 2FGXG54L840-4-FS-UNV-DIM	
A4E	RECESSED CEILING	5400 LUMEN LED	41	DAY-BRITE: 2FGXG54L840-4-FS-UNV-DIM-BSL10LST	PROVIDE INTEGRAL BOONIE 10W SELF-TESTING BATTERY PACK.
B1	RECESSED CEILING	3000 LUMEN LED	22	DAY-BRITE: 2FGXG30L840-2-FS-UNV-DIM	
B2	RECESSED CEILING	3800 LUMEN LED	28	DAY-BRITE: 2FGXG38L840-2-FS-UNV-DIM	PROVIDE INTEGRAL BOONIE 10W SELF-TESTING BATTERY PACK.
B2E	RECESSED CEILING	3800 LUMEN LED	28	DAY-BRITE: 2FGXG38L840-2-FS-UNV-DIM-BSL10LST	PROVIDE INTEGRAL BOONIE 10W SELF-TESTING BATTERY PACK.
B3	RECESSED CEILING	4500 LUMEN LED	34	DAY-BRITE: 2FGXG45L840-2-FS-UNV-DIM	
C2	RECESSED CEILING	1000 LUMEN LED	11	LIGHTOLIER: 4RM-CL1084M210U-CARDLCC	PROVIDE INTEGRAL EMERGENCY BATTERY PACK WITH CEILING MOUNTED TEST SWITCH.
C3	RECESSED CEILING	1500 LUMEN LED	16	LIGHTOLIER: 4RM-CL1584M210U-CARDLCC	
C3E	RECESSED CEILING	1500 LUMEN LED	16	LIGHTOLIER: 4RM-CL1584M210U-CARDLCC	PROVIDE INTEGRAL EMERGENCY BATTERY PACK WITH CEILING MOUNTED TEST SWITCH.
E1	PENDANT CEILING	5500 LUMEN LED	41.2	DAY-BRITE: FSS-4-55-840-UNV-DIM	PENDANT MOUNT LIGHT FIXTURE 9'-0" AFF TO BOTTOM OF LIGHT FIXTURE, UNLESS NOTED OTHERWISE.
E1S	PENDANT CEILING	5500 LUMEN LED	41.2	DAY-BRITE: FSS-4-55-840-UNV-DIM-SWZCS-EM10	PENDANT MOUNT LIGHT FIXTURE 9'-0" AFF TO BOTTOM OF LIGHT FIXTURE, UNLESS NOTED OTHERWISE. PROVIDE INTEGRAL OCCUPANCY CONTROLS THAT CAN COMMUNICATE WITH OTHER TYPE E1S LIGHT FIXTURES IN THE SAME ROOM. PROVIDE WITH INTEGRAL NOMINAL 1100 LUMEN BATTERY PACK.
E2E	SURFACE CEILING	5500 LUMEN LED	41.2	DAY-BRITE: FSS-4-55-840-UNV-DIM-EM10	PROVIDE WITH INTEGRAL NOMINAL 1100 LUMEN BATTERY PACK.
F1	SURFACE WALL	4300 LUMEN LED	33	DAY-BRITE: V3W243L840-UNV-DIM	COORDINATE WITH ELEVATOR INSTALLER AND ELEVATOR INSPECTOR FOR FINAL WALL MOUNTING HEIGHT FOR LIGHT FIXTURES IN ELEVATOR PIT AND TOP OF ELEVATOR SHAFT.
G1	SURFACE CEILING	1000 LUMEN LED	14.7	LIGHTOLIER: S7886K10W12U1	COLOR FINISH SHALL BE WHITE, UNLESS OTHERWISE NOTED BY ARCHITECT. LIGHT FIXTURE SHALL BE WET RATED AND NON-CONDUCTIVE FOR SHOWER APPLICATION.
H1	PENDANT CEILING	2000 LUMEN LED	17.1	DAY-BRITE: FSS220L840-UNV-DIM	PENDANT MOUNT LIGHT FIXTURE 9'-0" AFF TO BOTTOM OF LIGHT FIXTURE, UNLESS NOTED OTHERWISE.
H1S	PENDANT CEILING	2000 LUMEN LED	17.1	DAY-BRITE: FSS220L840-UNV-DIM-SWZCS, WITH EXTERNAL BATTERY PACK	PENDANT MOUNT LIGHT FIXTURE 9'-0" AFF TO BOTTOM OF LIGHT FIXTURE, UNLESS NOTED OTHERWISE. PROVIDE INTEGRAL OCCUPANCY CONTROLS THAT CAN COMMUNICATE WITH OTHER TYPE H1S LIGHT FIXTURES IN THE SAME ROOM. PROVIDE AN EXTERNAL NOMINAL 1100 LUMEN BATTERY PACK.
K1	SURFACE WALL	8000 LUMEN LED	53	STONOCO LPW32-L7-840-UNV-DIM	"= ARCHITECT TO SELECT COLOR FINISH. REFER TO FLOOR PLANS FOR MOUNTING HEIGHTS.
X1	RECESSED CEILING	LED	3	PHILIPS CHLORIDE: ER44RLDU1RM	PROVIDE CHEVRON ARROWS WHERE SHOWN ON THE FLOOR PLANS. PROVIDE WITH INTEGRAL BATTERY PACK WITH SELF-DIAGNOSTICS/SELF-TEST FEATURE.
X2	RECESSED CEILING	LED	3	PHILIPS CHLORIDE: ER44RLDU2R	PROVIDE CHEVRON ARROWS WHERE SHOWN ON THE FLOOR PLANS. PROVIDE WITH INTEGRAL BATTERY PACK WITH SELF-DIAGNOSTICS/SELF-TEST FEATURE.
X3	SURFACE WALL	LED	3	PHILIPS CHLORIDE: ER44RLDU1RM	WALL MOUNT AT 8'-0" AFF TO THE BOTTOM OF THE EXIT SIGN, UNLESS NOTED OTHERWISE. PROVIDE WITH INTEGRAL BATTERY PACK WITH SELF-DIAGNOSTICS/SELF-TEST FEATURE.

LIGHT FIXTURE SCHEDULE NOTES:

- BASIC REQUIREMENTS FOR ELECTRICAL SYSTEMS: REFER TO BIDDING INSTRUCTION BELOW FOR BIDDING THE LIGHT FIXTURE SCHEDULE ABOVE.
- ONLY AFTER THE BIDDING PROCESS IS COMPLETED AND CONTRACT HAS BEEN SIGNED SHALL VALUE ENGINEERING (VE) SUBSTITUTION LIGHT FIXTURES BE CONSIDERED.

BIDDING INSTRUCTIONS:

A. PRODUCTS ARE GENERALLY SPECIFIED BY A PERFORMANCE SPECIFICATION AND/OR BY MANUFACTURER'S NAME AND MODEL NUMBER OR TRADE NAME.

- WHEN SPECIFIED ONLY BY A PERFORMANCE SPECIFICATION, THE CONTRACTOR MAY USE ANY MANUFACTURER WHO MEETS THE PERFORMANCE SPECIFICATION AND APPLICABLE CODES.
- WHEN SEVERAL PRODUCTS/MANUFACTURERS ARE SPECIFIED TOGETHER, THEN THE CONTRACTOR HAS THE OPTION OF USING ANY PRODUCT/MANUFACTURER LISTED. THE CONTRACTOR'S BID SHALL BE SUBJECT TO THE REQUIREMENTS OF "SUBSTITUTIONS" NOTED BELOW.
- WHEN SEVERAL PRODUCTS/MANUFACTURERS ARE SPECIFIED TOGETHER AND THE SYSTEM DESIGN IS BASED ON ONE OF THE LISTED PRODUCTS BY SPECIFIC MODEL NUMBER(S) OR CATALOG NUMBER(S), THE CONTRACTOR HAS THE OPTION OF USING THE ONE SPECIFIC PRODUCT OR ONE PRODUCT/MANUFACTURER LISTED. HOWEVER, WHEN ANOTHER LISTED PRODUCT/MANUFACTURER IS USED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THAT THE PRODUCT(S) ARE COMPATIBLE WITH BUILDING DESIGN, ELECTRICAL DESIGN, AND MECHANICAL DESIGN. ARE EQUAL TO THE BASIS-OF-DESIGN PRODUCT IN QUALITY, APPEARANCE, CONSTRUCTION AND PERFORMANCE, INCLUDING LAMPING AND LENSES FOR LIGHTING FIXTURES. ARCHITECT/ENGINEER'S DESIGN MODIFICATIONS ARE THE ARCHITECT/ENGINEER. THE CONTRACTORS BID SHALL BE COMPLETED ON THE USE OF THE LISTED PRODUCTS/MANUFACTURERS WITHOUT EXCEPTION. SUBSTITUTIONS WILL ONLY BE CONSIDERED AFTER THE CONTRACT HAS BEEN SIGNED AND SHALL BE SUBJECT TO THE REQUIREMENTS OF "SUBSTITUTIONS" NOTED BELOW.
- WHEN ONE OR MORE MANUFACTURERS NAME IS LISTED WITH THE BASIS-OF-DESIGN, THE CONTRACTORS BID SHALL BE COMPLETED ON THE USE OF THE LISTED PRODUCT(S) ONLY. SUBSTITUTIONS WILL ONLY BE CONSIDERED AFTER THE CONTRACT HAS BEEN SIGNED AND SHALL BE SUBJECT TO THE REQUIREMENTS OF "SUBSTITUTIONS" NOTED BELOW.
- A REQUEST FOR SUBSTITUTIONS WILL NOT BE CONSIDERED DURING BIDDING UNLESS THE SPECIFIED PRODUCT IS DISCONTINUED.
- APPROVAL FOR A SUBSTITUTION IS GRANTED. SAMPLES SHALL BE SUBMITTED IF AND AS REQUESTED BY ENGINEER.
- APPROVAL OF SUBSTITUTIONS PRIOR TO SHOP DRAWING SUBMITTAL WILL NOT BE GRANTED.

SUBSTITUTIONS

A. ANY SUBSTITUTION TO THE BASIS OF DESIGN LIGHT FIXTURES SHALL REQUIRE COMPLETE PHOTOMETRIC POINT-BY-POINT CALCULATIONS (AT NO ADDITIONAL COST TO THE CONTRACT) OF ALL AREAS (ROOMS) THE SUBSTITUTE LIGHT FIXTURES WILL BE INSTALLED. THE PHOTOMETRIC CALCULATIONS SHALL INCLUDE SUBSTITUTE LIGHT FIXTURE(S) AND ANY NON-SUBSTITUTE LIGHT FIXTURE(S) WHERE THEY ARE ALL IN THE SAME AREA (ROOM). ARCHITECT/ENGINEER SHALL THEN REVIEW SUBSTITUTION CUT SHEETS AND PHOTOMETRIC CALCULATIONS TO DETERMINE IF THE LIGHT FIXTURES ARE EQUAL TO THE BASIS OF DESIGN.

B. SUBSTITUTIONS ARE UNDERSTOOD TO MEAN THAT THE CONTRACTOR:

- HAS PERSONALLY INVESTIGATED THE PROPOSED SUBSTITUTION AND HAS DETERMINED THAT IT IS EQUAL OR SUPERIOR IN ALL RESPECTS, INCLUDING APPEARANCE, TO THE ITEM SPECIFIED.
- WILL PROVIDE THE SAME GUARANTEE FOR THE SUBSTITUTION THAT THEY WOULD FOR THE EQUIPMENT SPECIFIED.
- HAS COORDINATED THE INSTALLATION OF THE SUBSTITUTE, PROVIDING DESIGN MODIFICATIONS AND CHANGES AS REQUIRED FOR THE WORK TO BE COMPLETE IN ALL RESPECTS.
- HAS COORDINATED THE INSTALLATION OF THE SUBSTITUTE WITH THE GENERAL CONTRACTOR PERTAINING TO CHANGES REQUIRED FOR THE WORK TO BE COMPLETE WITH ALL TRADES (ALL CHANGES SHALL BE PROVIDED WITHOUT ADDITIONAL COST TO THE CONTRACT).
- ALL REQUIRED DESIGN MODIFICATIONS AND/OR CHANGES SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR THE SUBSTITUTE EQUIPMENT.
- HAS COORDINATED WITH THE LIGHT CONTROLS MANUFACTURER TO ENSURE SUBSTITUTION WILL WORK WITH SPECIFIED LIGHT CONTROLS AND SEQUENCE OF OPERATIONS.
- HAS PROVIDED THE AMOUNT OF CREDIT DUE THE OWNER IF THE SUBSTITUTION IS ACCEPTED.

C. THE ARCHITECT/ENGINEER WILL INDICATE ON WHICH OF THESE ITEMS THE CONTRACTOR MAY SUBMIT SHOP DRAWINGS FOR REVIEW. THE ACCEPTANCE BY THE ARCHITECT/ENGINEER OF ANY OR ALL OF THOSE ITEMS LISTED BY THE CONTRACTOR FOR REVIEW SHALL NOT CONSTITUTE AN APPROVAL OF THE SUBSTITUTE BUT SHALL MEAN THAT THE CONTRACTOR MAY THEN SUBMIT DETAILED SHOP DRAWINGS FOR REVIEW. WHEN A REQUEST FOR SUBSTITUTION IS GRANTED, THE ARCHITECT/ENGINEER WILL REVIEW SHOP DRAWINGS AS FOLLOWS:

- IF SHOP DRAWINGS FOR THE SUBSTITUTE EQUIPMENT ARE MARKED "AMEND & RESUBMIT" ON FIRST SUBMITTAL, THE CONTRACTOR IS ALLOWED TO RESUBMIT FOR TWO ADDITIONAL REVIEWS, UNLESS THE ARCHITECT/ENGINEER PROVIDES OTHER INSTRUCTIONS. IF AFTER THE THIRD REVIEW, THE SUBSTITUTE EQUIPMENT IS NOT ACCEPTED, THE SPECIFIED EQUIPMENT SHALL BE PROVIDED WITHOUT ANY ADDITIONAL COST TO THE CONTRACT.
- IF SHOP DRAWINGS FOR THE SUBSTITUTE EQUIPMENT ARE MARKED "REJECTED" - SEE REMARKS" AT ANY SUBMITTAL LEVEL, THE CONTRACTOR SHALL STOP ANY FURTHER SUBMITTALS OF ANY SUBSTITUTE EQUIPMENT. THE ARCHITECT/ENGINEER WILL NOT REVIEW ANY ADDITIONAL SUBSTITUTE EQUIPMENT AND THE CONTRACTOR SHALL SUBMIT AND PROVIDE THE SPECIFIED EQUIPMENT WITHOUT ANY ADDITIONAL COST TO THE CONTRACT.

PLAN NOTES:

- REFER TO LIGHTING CONTACTOR "LC1" WIRING DIAGRAM ON SHEET E002 FOR CIRCUITING INFORMATION ON THE EXTERIOR BUILDING MOUNTED LIGHT FIXTURES.
- REFER TO "CONTROLS WIRING DIAGRAM - STAIR 5002" ON SHEET E002 FOR CIRCUITING AND WIRING REQUIREMENTS FOR STAIR LIGHTS.



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L P A

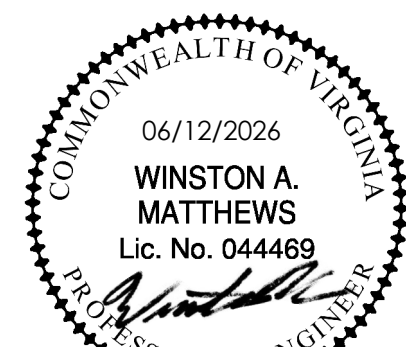
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DEPARTMENT OF SOCIAL
SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: CHECKED BY: DRAWN BY:
RCH WAM MAS

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

SHEET REVISIONS:

PLAN NORTH SITE NORTH

SHEET NAME:

LOWER LEVEL FLOOR
PLAN - LIGHTING, LIGHT
FIXTURE AND LIGHTING
CONTROL SCHEDULES

SHEET NUMBER:

E101

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

LIGHTING CONTROLS - SEQUENCE OF OPERATIONS (ROOM BY ROOM)

1. RECEPTION 102, OFFICE 103, 107, 108, 110, 111, 112, 113, 114, 116, 118, 119, 120, 121, 122, 123, 124, 126, 127, 128, 129, 130, 131, 132, 133, 136, 137, 138, 139, 140, 142, 143, 144, 145, 146, SUPRV. OFFICE 109, 115, 117, 135, 141, 147, COPY / WORK 105.
- A. GENERAL LIGHTS: THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING THE ROOM. THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. THE LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE S/L2 WALL DIMMER(S).
- B. AUTOMATIC RECEPTACLE CONTROL: THE CONTROLLED RECEPTACLES, INDICATED WITH A "C" LABEL, ON SHEET E112, IN THIS SPACE SHALL BE CONTROLLED BY CEILING MOUNTED LOW-VOLTAGE OCCUPANCY SENSORS (SAME SENSORS AS FOR THE LIGHT FIXTURES). THE CONTROLLED RECEPTACLES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE CONTROLLED RECEPTACLES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. CONTRACTOR TO PROVIDE A LOAD CONTROL RELAY FOR THE CIRCUIT TO THE CONTROLLED RECEPTACLES.
2. BREAK ROOM 125.
- A. DAYLIGHT HARVESTING LIGHTS: THE "g" LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM AND RAISE/LOWER TO 50 FOOTCANDLES AT 2.5 FEET ABOVE THE FLOOR FOR DAYLIGHT HARVESTING. THE "g" LIGHT FIXTURE SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. THE "g" LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE S/L2 WALL DIMMER(S). EACH ZONE SHALL BE CONTROLLED INDIVIDUALLY. THESE DAYLIGHT HARVESTING LIGHT FIXTURES SHALL MAINTAIN THE SETTING OF THE MANUAL OVERRIDE CONTROLS UNTIL THE ROOM IS VACANT AND THE LIGHTS HAVE TURNED AUTOMATICALLY TURNED OFF.
- B. EMERGENCY EGRESS LIGHTS: ALL "b" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "b" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "b" EMERGENCY EGRESS LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR, NO LOW-VOLTAGE WALL CONTROLS FOR THESE EMERGENCY EGRESS LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
3. CATERING 150.
- A. GENERAL LIGHTS: THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING THE ROOM. THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR(S) TO 15 MINUTES. THE LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE S/L2 WALL DIMMER(S).
4. TRAINING 151.
- A. GENERAL LIGHTS:
- a. WHEN BOTH WALL PARTITIONS "A" AND "B" ARE CLOSED: AREA 1 IS A SEPARATE ROOM, AREA 2 IS A SEPARATE ROOM, AND AREA 3 IS A SEPARATE ROOM. PROGRAM THESE THREE AREAS AS THREE SEPARATE ROOMS. THE "b" AND "d" AND "g" LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING THE THREE RESPECTIVE ROOMS. THE "b" AND "d" AND "g" LIGHT FIXTURE ZONES CAN BE MANUALLY TURNED ON/OFF/RAISED/DIMMED VIA THE RESPECTIVE S/L4 WALL DIMMERS IN EACH OF THE THREE ROOMS; EACH ZONE WILL BE CONTROLLED INDIVIDUALLY. THE "a,b" AND "d,e" AND "g,h" LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN OFF WHEN THE RESPECTIVE ROOMS ARE VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSORS TO 15 MINUTES.
- b. WHEN BOTH WALL PARTITIONS "A" AND "B" ARE OPEN: AREAS 1, 2, 3 AREA ALL ONE ROOM. PROGRAM THESE THREE AREAS AS ONE LARGE ROOM. PROGRAM THESE THREE AREAS AS ONE LARGE ROOM. THE "a,b,d,e,g,h" LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING ANY OF THE THREE AREAS. THE S/L4 WALL DIMMERS IN AREAS 1, 2, AND 3 WILL CONTROL THE "a,b,d,e,g,h" LIGHT FIXTURE ZONES SIMULTANEOUSLY BY ANY OF THE S/L4 WALL DIMMERS IN AREAS 1, 2, AND 3. PROGRAM THE S/L4 WALL DIMMERS SO BUTTON 1 CONTROLS "a,b" AND BUTTON 2 CONTROLS "c,d,e,f". THE "a,b,d,e,g,h" LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING TWO RESPECTIVE ROOMS. THE S/L4 WALL DIMMERS IN AREAS 1, 2, AND 3 WILL CONTROL THE "a,b" LIGHTING FIXTURE ZONES. PROGRAM THE S/L4 WALL DIMMERS SO BUTTON 1 CONTROLS "a" AND BUTTON 2 CONTROLS "b". THE S/L4 WALL DIMMERS IN AREAS 2 AND 3, PROGRAM THE WALL DIMMERS S/L4 SO BUTTON 1 CONTROLS "d,e" AND BUTTON 2 CONTROLS "b,e". THE "a,b" AND "d,e,g,h" LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN OFF WHEN THE RESPECTIVE ROOMS ARE VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSORS TO 15 MINUTES.
- c. WHEN WALL PARTITION "A" IS CLOSED AND WALL PARTITION "B" IS OPEN: AREA 1 IS A SEPARATE ROOM, AREAS 2 AND 3 ARE COMBINED IN TO A ROOM. THE "a,b" AND "d,e,g,h" LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING TWO RESPECTIVE ROOMS. THE S/L4 WALL DIMMERS IN AREAS 1 AND 2 WILL CONTROL THE "a,b,d,e" LIGHTING FIXTURE ZONES SIMULTANEOUSLY BY ANY OF THE S/L4 WALL DIMMERS IN AREAS 1 AND 2. PROGRAM THE S/L4 WALL DIMMERS SO BUTTON 1 CONTROLS "a,d" AND BUTTON 2 CONTROLS "b,e". THE S/L4 WALL DIMMERS IN AREA 3 WILL CONTROL THE "g,h" LIGHTING FIXTURE ZONES. PROGRAM THE S/L4 WALL DIMMERS SO BUTTON 1 CONTROLS "g" AND BUTTON 2 CONTROLS "h". THE "a,b,d,e" AND "g,h" LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN OFF WHEN THE RESPECTIVE ROOMS ARE VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSORS TO 15 MINUTES.
- B. EMERGENCY EGRESS LIGHTS:
- a. WHEN BOTH WALL PARTITIONS "A" AND "B" ARE CLOSED: AREA 1 IS A SEPARATE ROOM, AREA 2 IS A SEPARATE ROOM, AND AREA 3 IS A SEPARATE ROOM. PROGRAM THESE THREE AREAS AS THREE SEPARATE ROOMS. THE "c" AND "f" AND "I" EMERGENCY EGRESS LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING THE THREE RESPECTIVE ROOMS. THE "c" AND "f" AND "I" EMERGENCY EGRESS LIGHT FIXTURE ZONES CAN BE MANUALLY RAISED TO 100% OR DIMMED NO LOWER THAN 50% VIA THE RESPECTIVE S/L4 WALL DIMMERS IN EACH OF THE THREE ROOMS; EACH ZONE WILL BE CONTROLLED INDIVIDUALLY. THE "c" AND "f" AND "I" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE RESPECTIVE ROOMS ARE VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSORS TO 15 MINUTES. THE S/L4 WALL DIMMERS WILL NOT BE ABLE TO TURN ANY OF THE EMERGENCY EGRESS LIGHT FIXTURE ZONES OFF, ONLY THE OCCUPANCY SENSORS CAN TURN THE EMERGENCY EGRESS LIGHT FIXTURES ZONES OFF AND ONLY WHEN THE ROOM IS VACANT.
- b. WHEN BOTH WALL PARTITIONS "A" AND "B" ARE OPEN: AREAS 1, 2, 3 AREA ALL ONE ROOM. PROGRAM THESE THREE AREAS AS ONE LARGE ROOM. THE "c,f,I" EMERGENCY EGRESS LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING ANY OF THE THREE AREAS. THE S/L4 WALL DIMMERS IN AREAS 1, 2, AND 3 WILL CONTROL THE "c,f,I" EMERGENCY EGRESS LIGHT FIXTURE ZONES SIMULTANEOUSLY BY ANY OF THE S/L4 WALL DIMMERS IN AREAS 1, 2, AND 3. PROGRAM THE S/L4 WALL DIMMERS SO BUTTON 3 CONTROLS "c,f,I". THE "c,f,I" EMERGENCY EGRESS LIGHT FIXTURE ZONES CAN BE MANUALLY RAISED TO 100% OR DIMMED NO LOWER THAN 50%. THE S/L4 WALL DIMMERS WILL NOT BE ABLE TO TURN ANY OF THE EMERGENCY EGRESS LIGHT FIXTURE ZONES OFF, ONLY THE OCCUPANCY SENSORS CAN TURN THE EMERGENCY EGRESS LIGHT FIXTURES ZONES OFF AND ONLY WHEN THE ROOM IS VACANT.
- c. WHEN WALL PARTITION "A" IS CLOSED AND WALL PARTITION "B" IS OPEN: AREA 1 IS A SEPARATE ROOM, AREAS 2 AND 3 ARE COMBINED IN TO A ROOM. THE "c" AND "f" EMERGENCY EGRESS LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING TWO RESPECTIVE ROOMS. THE S/L4 WALL DIMMERS IN AREAS 1 AND 2 WILL CONTROL THE "c,f" EMERGENCY EGRESS LIGHTING FIXTURE ZONE. PROGRAM THE S/L4 WALL DIMMERS SO BUTTON 3 CONTROLS "c,f". THE S/L4 WALL DIMMERS IN AREAS 2 AND 3, PROGRAM THE WALL DIMMERS S/L4 SO BUTTON 3 CONTROLS "c,f". THE "c,f" EMERGENCY EGRESS LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN OFF WHEN THE RESPECTIVE ROOMS ARE VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSORS TO 15 MINUTES.
- d. WHEN WALL PARTITION "B" IS CLOSED AND WALL PARTITION "A" IS OPEN: AREAS 1 AND 2 ARE COMBINED IN TO A ROOM, AREA 3 IS A SEPARATE ROOM. THE "c,f" AND "f" LIGHT FIXTURE ZONES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING TWO RESPECTIVE ROOMS. THE S/L4 WALL DIMMERS IN AREAS 1 AND 2 WILL CONTROL THE "c,f" LIGHTING FIXTURE ZONES SIMULTANEOUSLY BY ANY OF THE S/L4 WALL DIMMERS IN AREAS 1 AND 2. PROGRAM THE S/L4 WALL DIMMERS SO BUTTON 3 CONTROLS "c,f". THE S/L4 WALL DIMMERS IN AREA 3 WILL CONTROL THE "f" LIGHTING FIXTURE ZONES. PROGRAM THE S/L4 WALL DIMMERS SO BUTTON 3 CONTROLS "f". THE "c" AND "f" EMERGENCY EGRESS LIGHT FIXTURE ZONES CAN BE MANUALLY RAISED TO 100% OR DIMMED NO LOWER THAN 50%. THE S/L4 WALL DIMMERS WILL NOT BE ABLE TO TURN ANY OF THE EMERGENCY EGRESS LIGHT FIXTURE ZONES OFF, ONLY THE OCCUPANCY SENSORS CAN TURN THE EMERGENCY EGRESS LIGHT FIXTURES ZONES OFF AND ONLY WHEN THE ROOM IS VACANT.
- e. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
- C. SCENE CONTROLLER (WALL PARTITIONS "A" AND "B" CLOSED): THE S/L5C IS A SCENE CONTROLLER WITH 5 BUTTONS. THE BUTTONS WILL BE PRE-PROGRAMMED SCENES. SET BELOW.
- a. BUTTON 1 (AREA 1) - 100%: ALL ZONES "a,b,c" SHALL BE RAISED TO 100%. BUTTON 1 (AREA 2) - 100%: ALL ZONES "d,e,f" SHALL BE RAISED TO 100%. BUTTON 1 (AREA 3) - 100%: ALL ZONES "g,h,i" SHALL BE RAISED TO 100%.
- b. BUTTON 2 (AREA 1) - 75% DIM: ZONES "a,b,c" WILL BE DIMMED TO 75%. BUTTON 2 (AREA 2) - 75%: ALL ZONES "d,e,f" SHALL BE RAISED TO 75%. BUTTON 2 (AREA 3) - 75%: ALL ZONES "g,h,i" SHALL BE RAISED TO 75%.
- c. BUTTON 3 (AREA 1) - 50% DIM: ZONES "a,b,c" WILL BE DIMMED TO 50%. BUTTON 3 (AREA 2) - 50%: ALL ZONES "d,e,f" SHALL BE RAISED TO 50%. BUTTON 3 (AREA 3) - 50%: ALL ZONES "g,h,i" SHALL BE RAISED TO 50%.
- d. BUTTON 4 (AREA 1) - 10% DIM: ZONES "a,b,c" WILL BE DIMMED TO 10%. ZONES "c" WILL BE DIMMED TO 10%. ZONES "d" WILL BE DIMMED TO 10%. ZONES "e" WILL BE DIMMED TO 10%. ZONES "f" WILL BE DIMMED TO 10%. ZONES "g" WILL BE DIMMED TO 10%. ZONES "h" WILL BE DIMMED TO 10%. ZONES "i" WILL BE DIMMED TO 10%.
- e. BUTTON 5 (AREA 1) - 10% DIM: ZONES "a,b,c" WILL BE DIMMED TO 10%. ZONES "d" WILL BE DIMMED TO 10%. ZONES "e" WILL BE DIMMED TO 10%. ZONES "f" WILL BE DIMMED TO 10%. ZONES "g" WILL BE DIMMED TO 10%. ZONES "h" WILL BE DIMMED TO 10%. ZONES "i" WILL BE DIMMED TO 10%.
- NOTE: THAT IF ROOM IS OCCUPIED WHEN PRESSING THE "OFF" BUTTON ALL LIGHT ZONES SHALL TURN OFF EXCEPT ZONES "c,f,I" (EMERGENCY EGRESS ZONE) SHALL DIM DOWN TO 50% UNTIL THE ROOM HAS BEEN VACANT FOR 15 MINUTES.
- D. SCENE CONTROLLER (WALL PARTITIONS "A" AND "B" OPEN): THE S/L5C IS A SCENE CONTROLLER WITH 5 BUTTONS. THE BUTTONS WILL BE PRE-PROGRAMMED SCENES. SET BELOW.
- a. BUTTON 1 (AREA 1) - 100%: ALL ZONES "a,b,c,d,e,f,g,h,i" SHALL BE RAISED TO 100%.
- b. BUTTON 2 (AREA 1) - 75% DIM: ZONES "a,b,c,d,e,f,g,h,i" SHALL BE RAISED TO 75%.
- c. BUTTON 3 (AREA 1) - 50% DIM: ZONES "a,b,c,d,e,f,g,h,i" SHALL BE RAISED TO 50%.
- d. BUTTON 4 (AREA 1) - 10% DIM: ZONES "a,b,c,d,e,f,g,h,i" WILL BE DIMMED TO 10%. ZONES "c" WILL BE DIMMED TO 10%. ZONES "d" WILL BE DIMMED TO 10%. ZONES "e" WILL BE DIMMED TO 10%. ZONES "f" WILL BE DIMMED TO 10%. ZONES "g" WILL BE DIMMED TO 10%. ZONES "h" WILL BE DIMMED TO 10%. ZONES "i" WILL BE DIMMED TO 10%.
- e. BUTTON 5 (AREA 1) - 10% DIM: ZONES "a,b,c,d,e,f,g,h,i" WILL BE DIMMED TO 10%. ZONES "d" WILL BE DIMMED TO 10%. ZONES "e" WILL BE DIMMED TO 10%. ZONES "f" WILL BE DIMMED TO 10%. ZONES "g" WILL BE DIMMED TO 10%. ZONES "h" WILL BE DIMMED TO 10%. ZONES "i" WILL BE DIMMED TO 10%.
- NOTE: THAT IF ROOM IS OCCUPIED WHEN PRESSING THE "OFF" BUTTON ALL LIGHT ZONES SHALL TURN OFF EXCEPT ZONES "c,f,I" (EMERGENCY EGRESS ZONE) SHALL DIM DOWN TO 50% UNTIL THE ROOM HAS BEEN VACANT FOR 15 MINUTES.
- F. SCENE CONTROLLER (WALL PARTITION "A" IS OPEN AND WALL PARTITION "B" IS CLOSED): THE S/L5C IS A SCENE CONTROLLER WITH 5 BUTTONS. THE BUTTONS WILL BE PRE-PROGRAMMED SCENES. SET BELOW.
- a. BUTTON 1 (AREAS 1,2) - 100%: ALL ZONES "a,b,c,d,e,f" SHALL BE RAISED TO 100%. BUTTON 1 (AREA 3) - 100%: ALL ZONES "g,h,i" SHALL BE RAISED TO 100%.
- b. BUTTON 2 (AREAS 1,2) - 75% DIM: ZONES "a,b,c,d,e,f" WILL BE DIMMED TO 75%. BUTTON 2 (AREA 3) - 75%: ALL ZONES "g,h,i" SHALL BE RAISED TO 75%.
- c. BUTTON 3 (AREAS 1,2) - 50% DIM: ZONES "a,b,c,d,e,f" WILL BE DIMMED TO 50%. BUTTON 3 (AREA 3) - 50%: ALL ZONES "g,h,i" SHALL BE RAISED TO 50%.
- d. BUTTON 4 (AREAS 1,2) - 10% DIM: ZONES "a,b,c,d,e,f" WILL BE DIMMED TO 10%. ZONES "c" WILL BE DIMMED TO 10%. ZONES "d" WILL BE DIMMED TO 10%. ZONES "e" WILL BE DIMMED TO 10%. ZONES "f" WILL BE DIMMED TO 10%. ZONES "g" WILL BE DIMMED TO 10%. ZONES "h" WILL BE DIMMED TO 10%. ZONES "i" WILL BE DIMMED TO 10%.
- e. BUTTON 5 (AREAS 1,2) - 10% DIM: ZONES "a,b,c,d,e,f" WILL BE DIMMED TO 10%. ZONES "c" WILL BE DIMMED TO 10%. ZONES "d" WILL BE DIMMED TO 10%. ZONES "e" WILL BE DIMMED TO 10%. ZONES "f" WILL BE DIMMED TO 10%. ZONES "g" WILL BE DIMMED TO 10%. ZONES "h" WILL BE DIMMED TO 10%. ZONES "i" WILL BE DIMMED TO 10%.
- NOTE: THAT IF ROOM IS OCCUPIED WHEN PRESSING THE "OFF" BUTTON ALL LIGHT ZONES SHALL TURN OFF EXCEPT ZONES "c,f,I" (EMERGENCY EGRESS ZONE) SHALL DIM DOWN TO 50% UNTIL THE ROOM HAS BEEN VACANT FOR 15 MINUTES.
5. LACTATION 148.
- A. GENERAL LIGHTS: THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON TO 50% LIGHT LEVELS WHEN ENTERING THE ROOM. THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE LIGHT FIXTURES CAN MANUALLY BE TURNED ON/OFF/RAISED/DIMMED VIA THE S/D3 COMBINATION WALL MOUNTED SENSOR/DIMMER.
6. TOILET T100, WOMEN T100, MEN T100.
- A. GENERAL LIGHTS: ALL "g" LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "g" LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "g" LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR, NO LOW-VOLTAGE WALL CONTROLS FOR THESE LIGHT FIXTURES.
- B. EMERGENCY EGRESS LIGHTS: ALL "b" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "b" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "b" EMERGENCY EGRESS LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR, NO LOW-VOLTAGE WALL CONTROLS FOR THESE EMERGENCY EGRESS LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
7. TOILET T101, T102, T106.
- A. EMERGENCY EGRESS LIGHTS: ALL EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE EMERGENCY EGRESS LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR, NO LOW-VOLTAGE WALL CONTROLS FOR THESE EMERGENCY EGRESS LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
8. ITELEC 104, UTILITIES M010.
- A. GENERAL LIGHTS: THE "g" LIGHT FIXTURES WILL HAVE TO BE MANUALLY TURNED "ON/OFF" VIA THE S/TOGGLE WALL SWITCH.
- B. EMERGENCY EGRESS LIGHTS: THE "b" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "b" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSORS TO 15 MINUTES. THERE ARE NO MANUAL CONTROLS FOR THESE EGRESS LIGHT FIXTURES, ONLY TO BE CONTROLLED VIA THE INTEGRAL OCCUPANCY SENSORS.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
9. CHAIR STORAGE 151A, JAN 100.
- A. GENERAL LIGHTS: THE LIGHT FIXTURE(S) WILL HAVE TO BE MANUALLY TURNED ON WHEN ENTERING THE ROOM. THE LIGHT FIXTURE(S) WILL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 5 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE VACANCY SENSOR TO 5 MINUTES. THE LIGHT FIXTURE(S) CAN MANUALLY BE TURNED ON/OFF VIA THE S/V1 COMBINATION WALL MOUNTED SENSOR/SWITCH.
10. LOBBY / WAITING 100, CHILDREN'S PLAY AREA 101, CORRIDOR C101, C102, C103, C104, TRAINING LOBBY / COMMONS C104, HALL 104.
- A. GENERAL LIGHTS: ALL "g" LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE CORRIDOR. THE "g" LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE CORRIDOR IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "g" LIGHT FIXTURE(S) CAN MANUALLY BE TURNED ON/OFF VIA THE S/L1 WALL MOUNTED SWITCHES).
- B. EMERGENCY EGRESS LIGHTS: ALL "b" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON WHEN ENTERING THE ROOM. THE "b" EMERGENCY EGRESS LIGHT FIXTURES SHALL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES. SET THE TIME DELAY ON THE OCCUPANCY SENSOR TO 15 MINUTES. THE "b" EMERGENCY EGRESS LIGHT FIXTURES CAN ONLY BE TURNED ON/OFF VIA THE CEILING MOUNTED OCCUPANCY SENSOR, NO LOW-VOLTAGE WALL CONTROLS FOR THESE EMERGENCY EGRESS LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
11. PORCH 226.
- A. GENERAL LIGHTS: THE "c" LIGHT FIXTURE(S) WILL HAVE TO BE MANUALLY TURNED ON WHEN ENTERING THE ROOM. THE "c" LIGHT FIXTURE(S) WILL AUTOMATICALLY TURN OFF WHEN THE ROOM IS VACANT FOR 15 MINUTES, UNLESS MANUALLY TURNED OFF. SET THE TIME DELAY ON THE VACANCY SENSOR TO 15 MINUTES. THE "c" LIGHT FIXTURE(S) CAN MANUALLY BE TURNED ON/OFF VIA THE "c" S/L1 WALL MOUNTED SWITCH.
12. STAIR 5002.
- A. EMERGENCY EGRESS STAIRWAY LIGHTS: WHEN THE STAIRS ARE OCCUPIED THE EMERGENCY EGRESS LIGHT FIXTURES WILL TURN ON TO 100% LIGHT LEVELS. WHEN THE STAIRS ARE VACANT FOR 15 MINUTES, THE EMERGENCY EGRESS LIGHT FIXTURES WILL DIM TO 10% LIGHT LEVELS. THE LIGHT FIXTURES ARE ON 24/7/365, NO WALL CONTROLS FOR THE LIGHT FIXTURES.
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS LIGHTING FIXTURES. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NEAREST NORMAL POWER LIGHTING CIRCUIT VIA THE HOMERUN (AHEAD OF ANY CONTROLS). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING ANY OCCUPANCY SENSOR CONTROLS TO THE EMERGENCY EGRESS LIGHT FIXTURES.
13. EXTERIOR BUILDING MOUNTED LIGHT FIXTURES.
- A. EMERGENCY EGRESS EXTERIOR LIGHTS: THE EMERGENCY EGRESS LIGHT FIXTURES SHALL BE CONNECTED THROUGH A H-O-A SWITCH, LIGHTING INVERTER, EXTERIOR PHOTOSENSOR, AND LIGHTING LOAD CONTROLLERS. REFER TO LIGHT CONTACTOR DETAIL ON SHEET E002, WHEN THE HOA SWITCH IS SET TO "A", THE EXTERIOR LIGHTS WILL BE AUTOMATICALLY CONTROLLED BY THE PHOTOCELL TURNING EXTERIOR LIGHTS ON AT DUSK AND OFF AT DAWN. WHEN THE HOA SWITCH IS SET TO "H", THE EXTERIOR LIGHTS WILL BE MANUALLY TURNED ON AND STAY ON UNTIL SWITCHED TO EITHER "H" OR "A". WHEN THE HOA SWITCH IS SET TO "O", THE EXTERIOR LIGHTS WILL BE MANUALLY TURNED OFF AND STAY OFF UNTIL SWITCHED TO EITHER "H" OR "A".
- a. PROVIDE A UL924 AUTOMATIC LOAD CONTROL RELAY FOR THE EMERGENCY EGRESS EXTERIOR LIGHTING CIRCUIT. WIRE SO THAT THE SENSING CIRCUIT IS CONNECTED TO THE NORMAL POWER LIGHTING CIRCUIT (AHEAD OF LIGHTING INVERTER AND AHEAD OF LIGHTING CONTACTOR). IF THE NORMAL POWER CIRCUIT IS LOST THE EMERGENCY EGRESS EXTERIOR LIGHT FIXTURES WILL AUTOMATICALLY TURN ON OVERRIDING THE LIGHTING CONTACTOR CONTROLS. THE LIGHT EMERGENCY EGRESS LIGHT FIXTURES WOULD BE DIRECTLY CONNECTED TO THE EMERGENCY LIGHT CIRCUIT POWERED BY THE LIGHTING INVERTER.

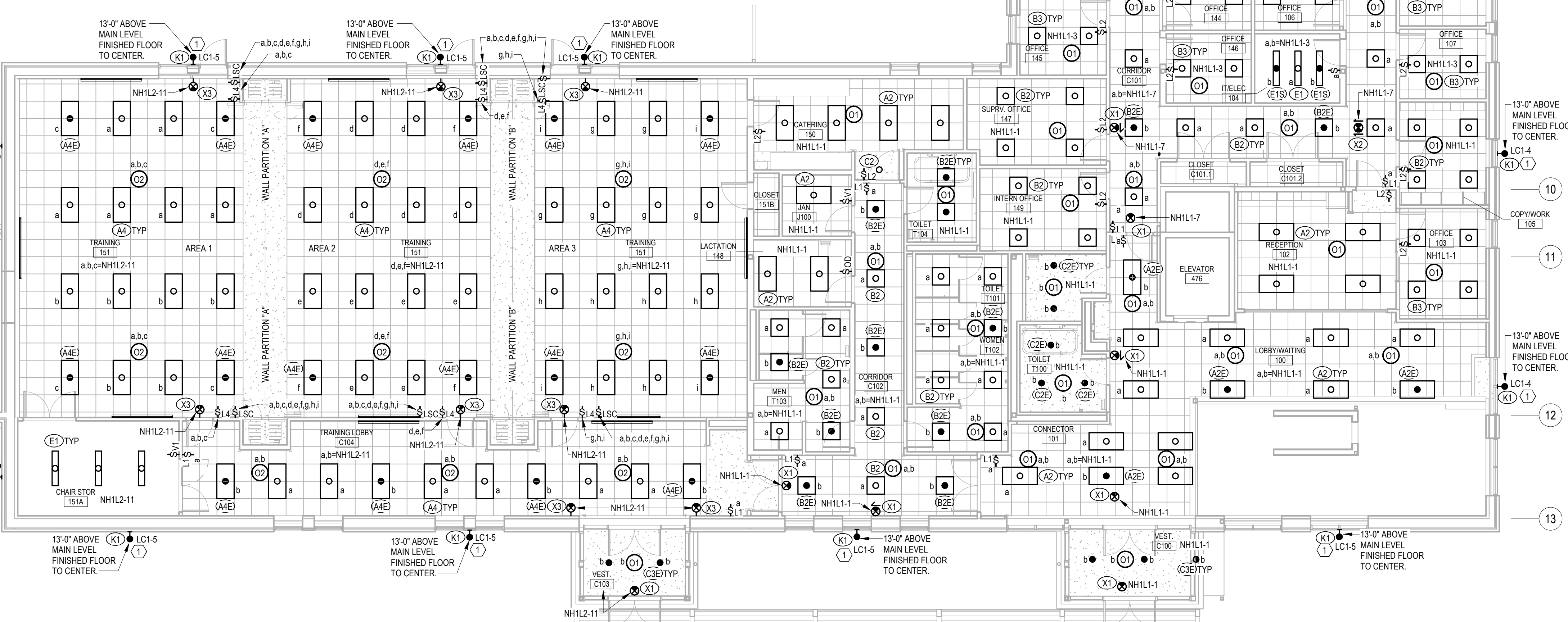
INVERTER SCHEDULE					
INVERTER	AREA SERVED	LIGHTING CIRCUIT	CONNECTED LOAD (W)	MINIMUM INVERTER SIZE (W)	VOLTAGE/ PHASE
INV1	EGRESS LIGHTS - NORTH PARKING LOT POLE LIGHTS	NH1L2-1	820	950	277/1
INV2	EGRESS LIGHTS - SOUTH PARKING LOT POLE LIGHTS	NH1L2-3	612	725	277/1
INV3	EGRESS LIGHTS - EAST ROAD POLE LIGHTS	NH1L2-5	720	830	277/1
INV4	EGRESS LIGHTS - NORTH WING EXTERIOR BUILDING MOUNTED LIGHTS	NH1L2-7	639	750	277/1
INV5	EGRESS LIGHTS - SOUTH WING EXTERIOR BUILDING MOUNTED LIGHTS	NH1L2-9	531	625	277/1
INV6	EGRESS LIGHTS - STAIR 5002	NH1L-7	261	300	277/1

INVERTER SCHEDULE NOTES:

- MANUFACTURER RECOMMENDATIONS IS TO DERATE THE INVERTER BY 15% FOR INRUSH CURRENTS.
- PROVIDE ADDITIONAL SUPPORTS ON THE WALL TO ACCOMMODATE THE WEIGHT OF THE INVERTERS.

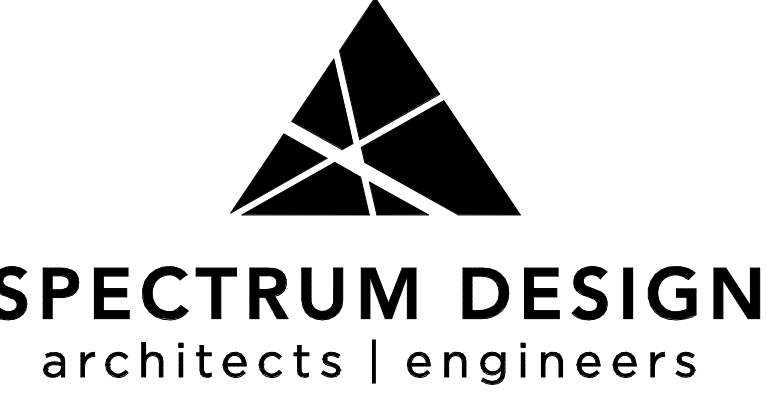
PLAN NOTES:

- REFER TO LIGHTING CONTACTOR "LC" WIRING DIAGRAM ON SHEET E002 FOR CIRCUITING INFORMATION ON THE EXTERIOR BUILDING MOUNTED LIGHT FIXTURES.
- REFER TO "CONTROLS WIRING DIAGRAM - STAIR 5002" ON SHEET E002 FOR CIRCUITING AND WIRING REQUIREMENTS FOR STAIR LIGHTS.



MAIN LEVEL FLOOR PLAN - LIGHTING

SCALE: 1/8" = 1'-0"



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DEPARTMENT OF SOCIAL SERVICES BUILDING

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



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RCH WAM MAS

SHEET ISSUE DATE:

06.12.2026

PROJECT PHASE:

BID DOCUMENTS

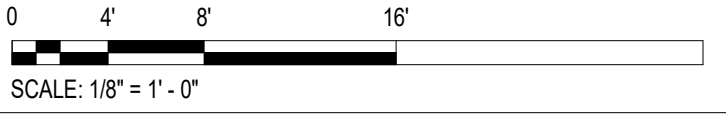
SHEET REVISIONS:



MAIN LEVEL FLOOR PLAN - LIGHTING

SHEET NUMBER:

E102





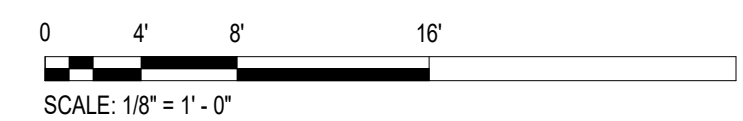
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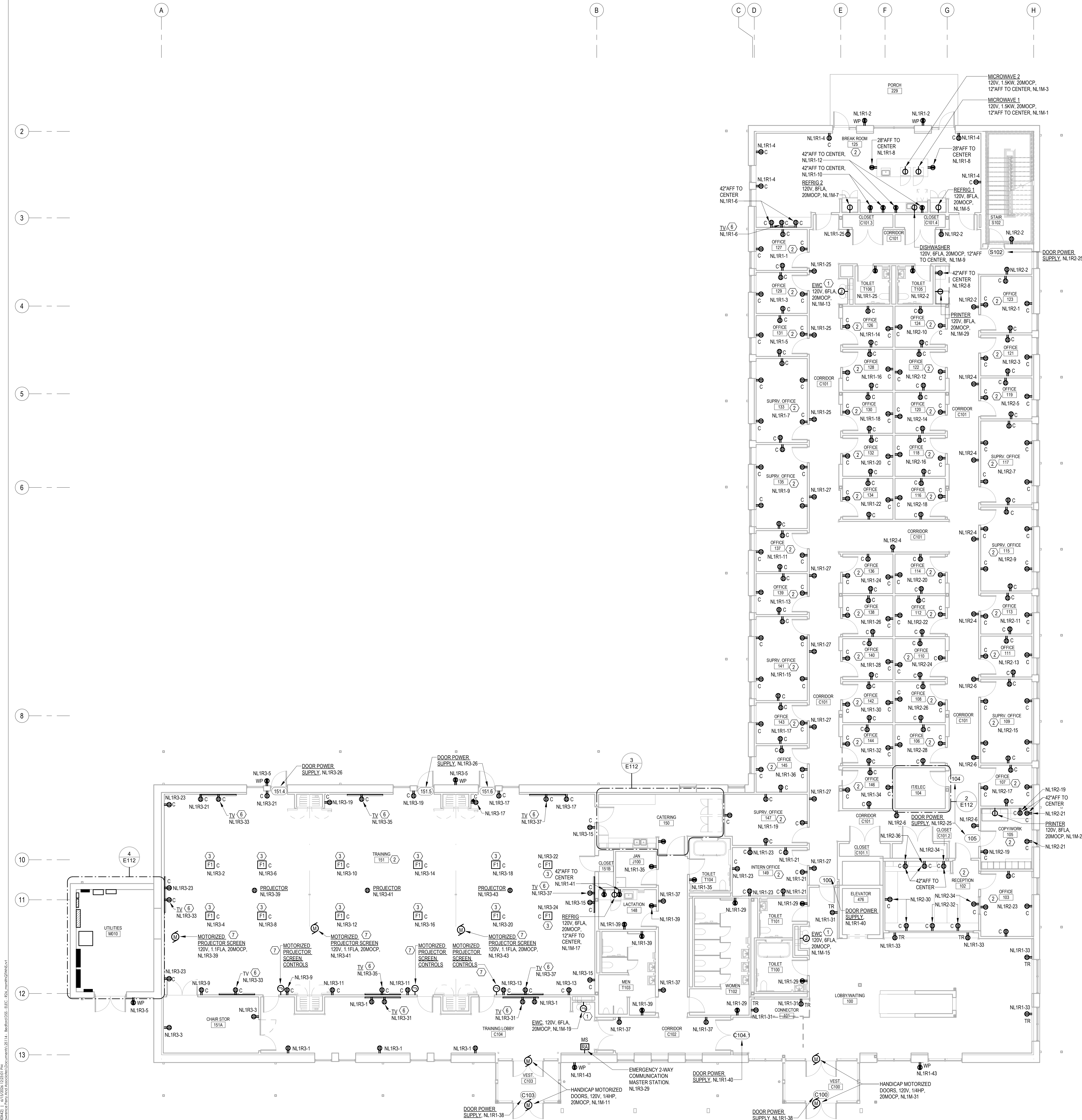
SCALE: 1/8" = 1' - 0"



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E111

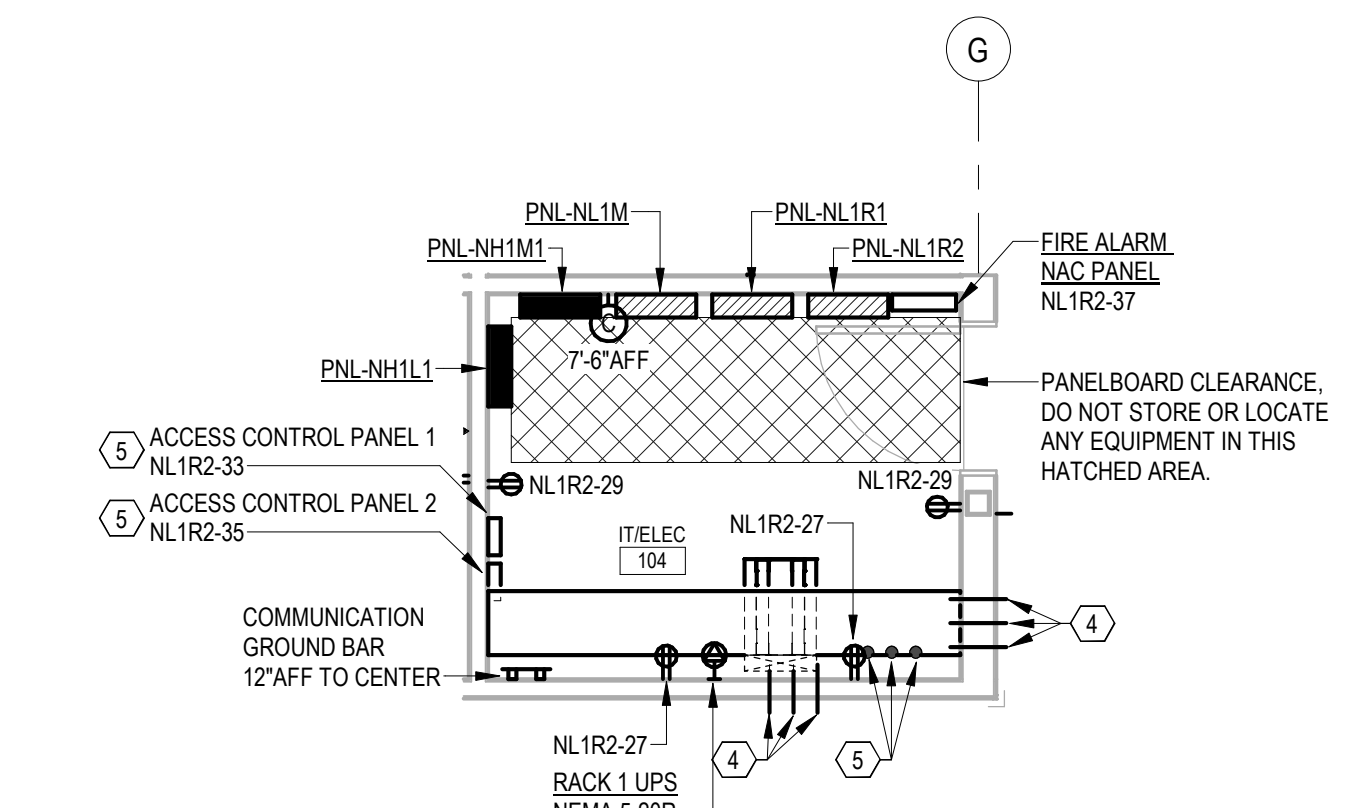




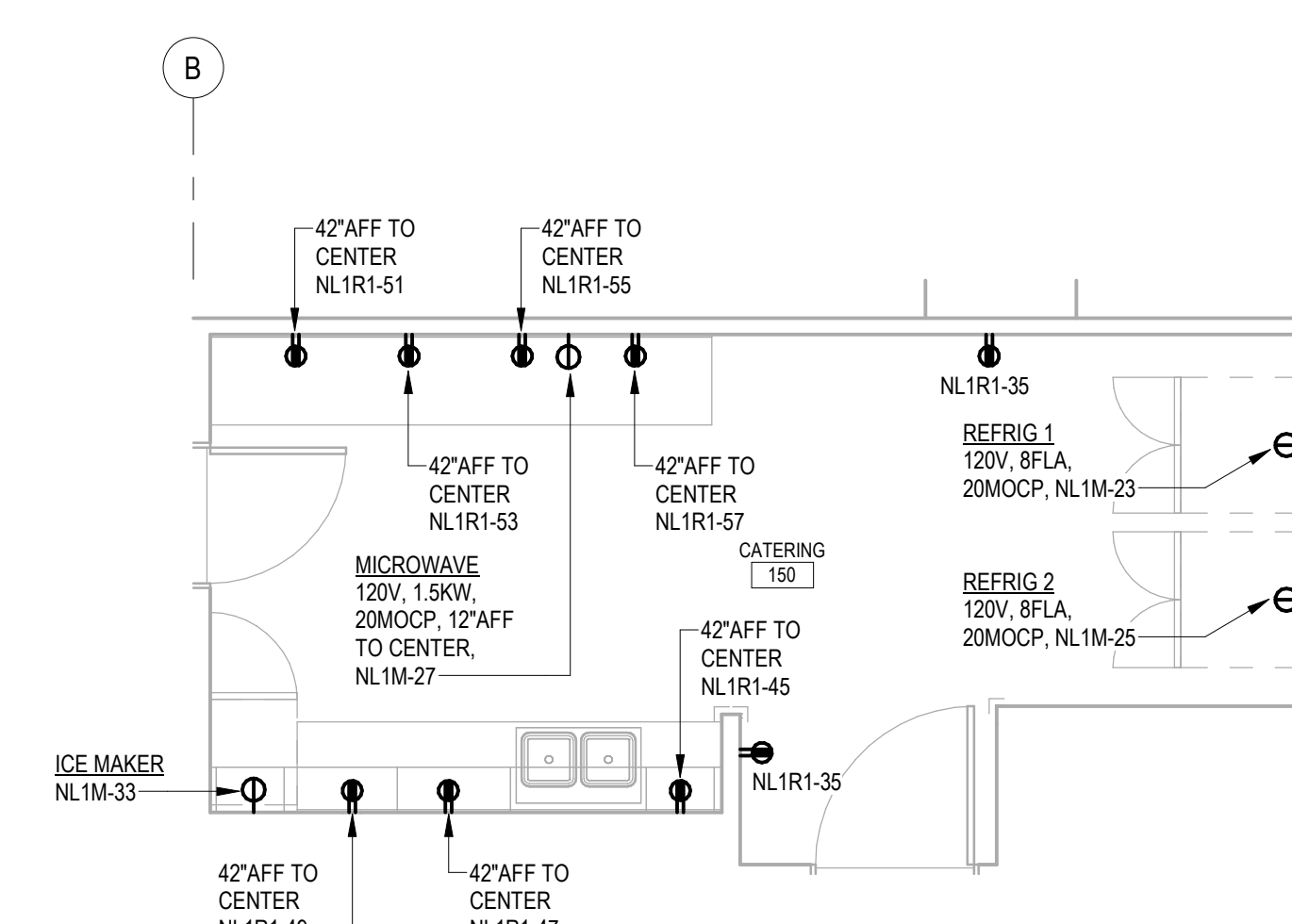
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E112
MAIN LEVEL FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"

PLAN NOTES: #

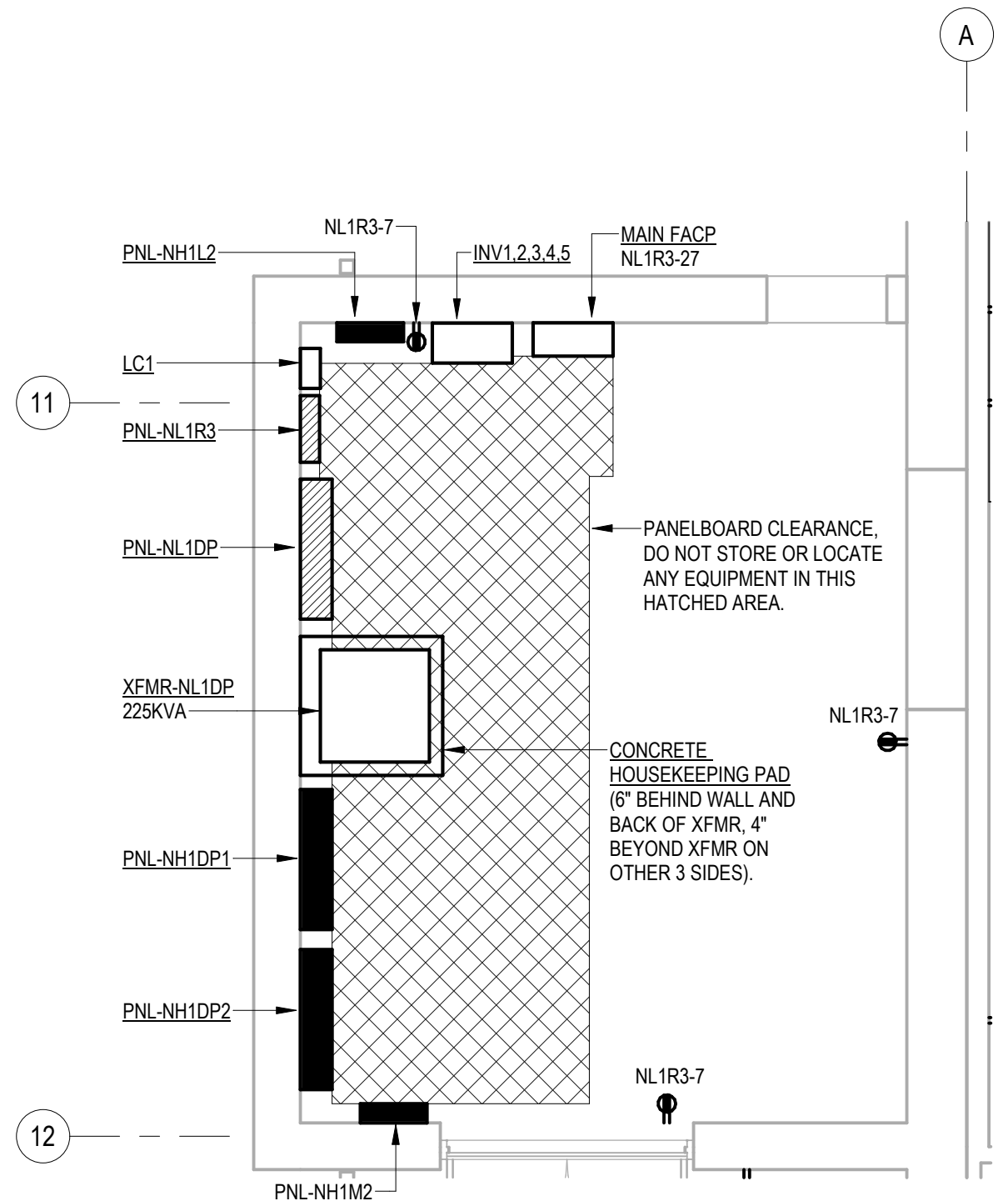
- COORDINATE WITH ELECTRIC WATER COOLER (EWC) INSTALLER AND APPROVED EWC SUBMITTAL FOR THE FINAL ROUGH-IN LOCATION AND REQUIREMENTS. PROVIDE A RECEPTACLE WHERE THE EWC IS PROVIDED WITH A CORD-&PLUG. PROVIDE A DIRECT CONNECTION WHERE THE EWC IS NOT PROVIDED WITH A CORD-&PLUG. CIRCUIT BREAKER IN PANEL SHALL BE GROUND FAULT CIRCUIT INTERRUPTER PROTECTED, SO A GROUND FAULT RECEPTACLE AT THE EWC IS NOT REQUIRED.
- THE DUPLEX RECEPTACLE LABELED WITH A "C" IS A SPLIT WIRE CONTROLLED RECEPTACLE WHERE THE TOP HALF OF THE RECEPTACLE IS CONTROLLED AND THE BOTTOM HALF OF THE RECEPTACLE IS UNCONTROLLED. THE TOP HALF CONTROLLED RECEPTACLE SHALL BE POWERED THROUGH A PLUG LOAD CONTROL POWER PACK, CONNECTED TO THE CIRCUIT INDICATED, AND CONTROLLED BY THE LOW-VOLTAGE OCCUPANCY SENSOR IN THE CEILING. UTILIZE THE SAME LOW-VOLTAGE OCCUPANCY SENSOR THAT CONTROLS THE LIGHT FIXTURES IN THE ROOM. REFER TO SHEET E102 FOR LIGHTING CONTROLS.
- ONE DUPLEX RECEPTACLE IN THE FLOOR BOX SHALL BE A "C" CONTROLLED RECEPTACLE THAT SHALL BE POWERED THROUGH A PLUG LOAD CONTROL POWER PACK, CONNECTED TO THE CIRCUIT INDICATED, AND CONTROLLED BY THE LOW-VOLTAGE OCCUPANCY SENSOR IN THE CEILING. UTILIZE THE SAME LOW-VOLTAGE OCCUPANCY SENSOR THAT CONTROLS THE LIGHT FIXTURES IN THE ROOM. REFER TO SHEET E102 FOR LIGHTING CONTROLS. THE OTHER DUPLEX IN THE FLOOR BOX SHALL BE HARDWIRED TO THE CIRCUIT INDICATED.
- PROVIDE (3) 4" WALL SLEEVES MOUNTED 10'-4" AFF. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR, WHERE WALL IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL.
- PROVIDE (3) 4" CONDUIT PATHWAYS FROM CEILING IN OBSERVE 004 TO FLOOR OF IT/ELEC 104. START CONDUITS 0'-6" BELOW BOTTOM OF FINISHED MAIN FLOOR SLAB AND END CONDUITS 0'-6" ABOVE TOP OF FINISHED FIRST FLOOR SLAB. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR, WHERE WALL AND/OR FLOOR IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL AND/OR FLOOR.
- PRIOR TO ROUGHING IN RECESSED WALL BACK-BOX FOR TV, COORDINATE WITH TV INSTALLER FOR THE REQUIRED VERTICAL MOUNTING HEIGHT AND HORIZONTAL LOCATION THE RECEPTACLE WILL NEED TO BE LOCATED BEHIND THE TV TO NOT INTERFERE WITH THE TV WALL MOUNTING BRACKET.
- COORDINATE FINAL LOCATION OF MOTORIZED PROJECTOR SCREEN WALL CONTROLLER WITH OWNER AND ARCHITECT AND PROVIDE WALL BOX AND CONCEALED CONDUIT FROM WALL BOX TO MOTORIZED SCREEN. COORDINATE WITH MOTORIZED SCREEN INSTALLER FOR FINAL ROUGH-IN LOCATIONS AND PROVIDE ALL 120 VOLT POWER CONNECTIONS.



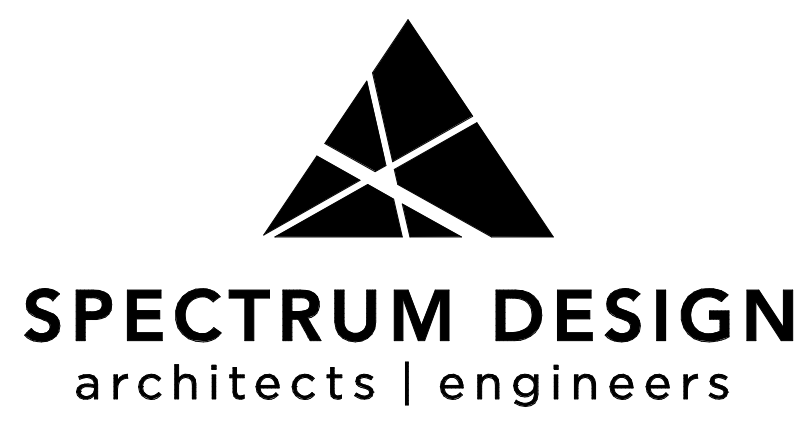
2
E112E119
ENLARGED IT/ELEC 104
SCALE: 1/4" = 1'-0"



3
E112E119
ENLARGED CATERING 149
SCALE: 1/4" = 1'-0"



4
E112E119
ENLARGED UTILITIES M010
SCALE: 1/4" = 1'-0"



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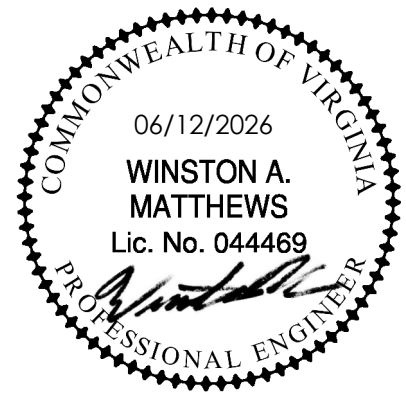
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BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112

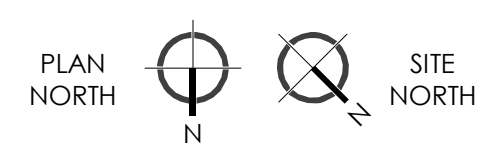


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SHEET ISSUE DATE:
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PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

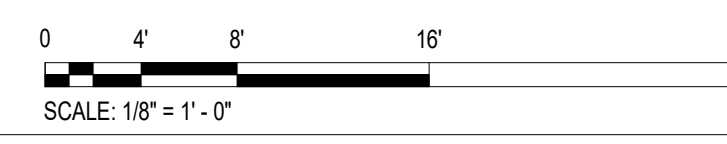


SHEET NAME:

MAIN LEVEL FLOOR
PLAN - POWER

SHEET NUMBER:

E112





1 UPPER LEVEL FLOOR PLAN - POWER
E113 SCALE: 1/8" = 1'-0"

- 0 4' 8' 16'
- SCALE: 1/8" = 1' - 0"



ORIGINAL SIZE ARCH (1/8\"/>

PLAN NOTES: ⑦

- VARIABLE AIR VOLUME TERMINAL (VAV) IS PROVIDED WITH AN INTEGRAL PRE-WIRED DISCONNECT SWITCH FROM THE VAV MANUFACTURER.
 - WHERE FINAL APPROVED VAV IS NOT PROVIDED WITH A PRE-WIRED PACKAGE THEN ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE-VOLTAGE WIRING AND CONNECTIONS BETWEEN THE INTEGRAL DISCONNECT SWITCH AND THE VAV PER THE MANUFACTURER'S WIRING DIAGRAMS IN THE APPROVED SHOP DRAWINGS.
 - WHERE FINAL APPROVED VAV IS NOT PROVIDED WITH AN INTEGRAL DISCONNECT SWITCH THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A DISCONNECT SWITCH SIZED PER APPROVED MANUFACTURER'S REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL THEN PROVIDE ALL LINE-VOLTAGE WIRING AND CONNECTIONS BETWEEN THE DISCONNECT SWITCH AND THE VAV PER THE MANUFACTURER'S WIRING DIAGRAMS IN THE APPROVED SHOP DRAWINGS.
- ELECTRIC HEATERS (EH-1, EH-2, EH-1) ARE PROVIDED WITH AN INTEGRAL PRE-WIRED DISCONNECT SWITCHES FROM THE MANUFACTURER OF THE HEATERS.
 - WHERE FINAL APPROVED HEATERS ARE NOT PROVIDED WITH A PRE-WIRED PACKAGE THEN ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE-VOLTAGE WIRING AND CONNECTIONS BETWEEN THE INTEGRAL DISCONNECT SWITCHES AND THE HEATERS PER THE MANUFACTURER'S WIRING DIAGRAMS IN THE APPROVED SHOP DRAWINGS.
 - WHERE FINAL APPROVED HEATERS ARE NOT PROVIDED WITH INTEGRAL DISCONNECT SWITCHES THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL DISCONNECT SWITCHES SIZED PER APPROVED MANUFACTURER'S REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL THEN PROVIDE ALL LINE-VOLTAGE WIRING AND CONNECTIONS BETWEEN THE DISCONNECT SWITCHES AND THE HEATERS PER THE MANUFACTURER'S WIRING DIAGRAMS IN THE APPROVED SHOP DRAWINGS.
 - THE THERMOSTATS FOR THE HEATERS ARE SPECIFIED TO BE LOW-VOLTAGE, WHICH ALL LOW-VOLTAGE WIRING AND CONNECTION SHALL BE BY THE MECHANICAL CONTRACTOR. WHERE FINAL APPROVED HEATERS ARE PROVIDED WITH LINE-VOLTAGE THERMOSTATS THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE-VOLTAGE WIRING BETWEEN THE THERMOSTATS AND THE HEATERS PER THE MANUFACTURER'S WIRING DIAGRAMS IN THE APPROVED SHOP DRAWINGS.
- THE NEW EXHAUST FAN (EF-4) IS PROVIDED WITH FACTORY MOUNTED AND WIRED DISCONNECT SWITCH. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE-VOLTAGE WIRING CONNECTIONS AND MECHANICAL CONTRACTOR SHALL PROVIDE ALL LOW-VOLTAGE WIRING CONNECTIONS. ELECTRICAL CONTRACTOR TO PROVIDE MANUAL MOTOR STARTERS FOR ALL 120 VOLT SINGLE-PHASE FRACTIONAL HORSEPOWER EXHAUST FANS IN NEMA 1 ENCLOSURES, REFER TO SPECIFICATIONS FOR REQUIRED MANUAL MOTOR STARTERS AND INSTALL IN A NEMA 1 ENCLOSURE. LOCATE THE MANUAL MOTOR STARTER IN ATTIC NEXT TO EXHAUST FAN. PROVIDE LABEL ON MANUAL MOTOR STARTER AS TO THE NAME OF THE FAN AND THE ELECTRICAL CIRCUIT FEEDING IT.
 - WHERE FINAL APPROVED EXHAUST FAN IS NOT PROVIDED WITH PRE-WIRED INTEGRAL DISCONNECT SWITCH THEN THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE-VOLTAGE WIRING AND CONNECTIONS BETWEEN THE INTEGRAL DISCONNECT SWITCH AND THE EXHAUST FAN PER THE MANUFACTURER'S WIRING DIAGRAMS IN THE APPROVED SHOP DRAWINGS.
 - WHERE FINAL APPROVED EXHAUST FAN IS NOT PROVIDED WITH INTEGRAL DISCONNECT SWITCH THEN THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL AN INTEGRAL DISCONNECT SWITCH SIZED PER APPROVED MANUFACTURER'S REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL THEN PROVIDE ALL LINE-VOLTAGE WIRING AND CONNECTIONS BETWEEN THE INTEGRAL DISCONNECT SWITCH AND THE EXHAUST FAN PER THE MANUFACTURER'S WIRING DIAGRAMS IN THE APPROVED SHOP DRAWINGS.
- WITH THE NEW WATER HEATER WHR-1 BEING IN THE SAME ROOM AND WITHIN SIGHT OF THE ELECTRICAL PANEL SERVING THE WATER HEATER A DISCONNECT SWITCH FOR THE WATER HEATER IS NOT REQUIRED. THE BREAKER IN THE PANEL NH1M2 POWERING THIS WATER HEATER WILL ACT AS THE SERVICE DISCONNECT.
- PROVIDE A MANUAL MOTOR STARTER TO BE INSTALLED 4' AFF TO TOP FOR NEW HOT WATER CIRCULATION PUMP (HWCP-1).
- COORDINATE WITH PLUMBING INSTALLER FOR TYPE OF POWER CONNECTIONS TO SENSORS IN FAUCETS AND/OR FLUSH VALVES. PROVIDE DIRECT CONNECTION OR PROVIDE RECEPTACLE AS REQUIRED. PROVIDE GFCI CIRCUIT BREAKER IN PANEL THAT POWERS THESE SENSORS.
- PROVIDE AND INSTALL WALL BOXES FOR WALL CONTROLLERS FOR MOTORIZED WINDOW SHADES. PROVIDE CONDUIT BETWEEN THE WALL BOXES (WALL CONTROLLERS) AND THE MOTORS IN THE MOTORIZED SHADES. ALL CONDUIT SHALL BE CONCEALED IN FINISHED WALLS. COORDINATE WITH APPROVED MOTORIZED WINDOW SHADE SUBMITTAL FOR FINAL QUANTITY OF WALL CONTROLLERS. COORDINATE WITH ARCHITECT AND OWNER REPRESENTATIVE FOR LOCATION TO INSTALL THE WALL CONTROLLERS. MOTORIZED WINDOW SHADE INSTALLER TO PROVIDE AND INSTALL THE WALL CONTROLLERS AND THE LOW-VOLTAGE WIRING BETWEEN THE SHADES AND THE WALL CONTROLLER AND TEST THE OPERATION OF THE SHADES.



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Consulting Engineers

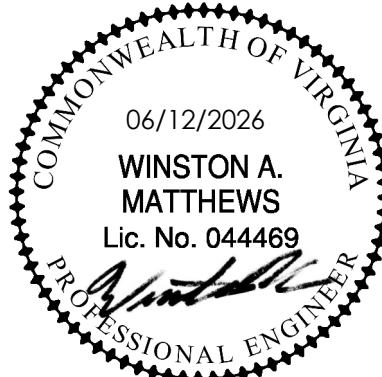
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Owner No.: 25114
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**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: 24112



PROJ. MGR.: **RCH** CHECKED BY: **WAM** DRAWN BY: **MAS**

SHEET ISSUE DATE:
06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:

PLAN NORTH
N

SHEET NAME:

**MAIN LEVEL FLOOR
PLAN - MECHANICAL &
PLUMBING POWER**

SHEET NUMBER:

E115

0 4' 8' 16'
SCALE: 1/8" = 1'-0"



0 4' 8' 16'

SCALE: 1/8" = 1' - 0"

E116



SCALE: 1/8" = 1'-0"

- 0 4' 8' 16'
- SCALE: 1/8" = 1' - 0"

PROVIDE RACK 2-WAY COMMUNICATION SYSTEM OR EQUAL. THE SYSTEM SHALL BE PROVIDED WITH AN EMERGENCY CALL STATION MODEL # 2400-805P/ WITH FLUSH MOUNT BACK BOX @ UPPER LEVEL ELEVATOR LOBBY. THE 2-WAY COMMUNICATION SYSTEM MASTER STATION SHOWN IN MAIN LEVEL DRAWING LBOY C104 SHALL BE MODEL # 2500-205M/ WITH FLUSH MOUNT BACK BOX. THE UPS PROVIDED SHALL BE MOUNTED WITHIN MASTER STATION CABINET AND CONNECTED TO THE UPS BATTERY. THE EMERGENCY CALL STATION SHALL BE PROVIDED WITH A 2-WAY COMMUNICATION SYSTEM MASTER STATION CONTRACTOR TO PROVIDE AND INSTALL THE PHONE LINE. THE EMERGENCY CALL STATION SHALL BE PROGRAMMED TO CALL THE 2-WAY COMMUNICATION SYSTEM MASTER STATION IN THE LOBBY. AND IF THERE IS NO ANSWER THE CALL SHALL BE FORWARDED TO CALL OUTSIDE THE BUILDING TO THE EMERGENCY CALL STATION. THE EMERGENCY CALL STATION SHALL BE (1) TWISTED PAIR WHERE SHIELDED PAIR PER SECTION DOES NOT EXCEED 25 OHMS RESISTANCE.

WIRING SHALL BE: 24 AWG (0-600 FEET), 22 AWG (600-750 FEET), 20 AWG (750-1000 FEET), 18 AWG (1000-1800 FEET), 16 AWG (1800-3000 FEET), 14 AWG (3000-5000 FEET), OR AS REQUIRED TO MAINTAIN NO MORE THAN 25 OHMS RESISTANCE. REFER TO PROTECTION OF DIVISION 27 WIRING AND PROVIDE THE REQUIRED 2-HOUR FIRE-RATED CABINING. PROVIDE THE CODE REQUIRED "AREA OF REFUGE SIGNAGE" AT THE EMERGENCY CALL STATION AND AT LOCATIONS WHERE REQUIRED TO LEAD TO THE "AREA OF REFUGE." COORDINATE ALL SIGNAGE WITH ARCHITECT. THE SYSTEM SHALL BE INSTALLED TO MEET ADA REQUIREMENTS. PROVIDE "AREA OF REFUGE" WITH PRODUCT DATA OF EQUIPMENT AND WIRING, INCLUDE IN THE SUBMITTAL A WIRING DIAGRAM AND FLOOR PLAN DRAWINGS, SHOWING LOCATION OF ALL DEVICES. TEST THE SYSTEM TO ENSURE IT WORKS PER MANUFACTURER SPECIFICATIONS. PROVIDE DEMONSTRATION TO OWNER MAINTENANCE PERSONNEL.

4. ANY CEILING USED AS RETURN AIR PLenum WITH DIVISION 27 CEILING ABOVE THE CEILING/NO IN CONDUNIT SHALL BE PLENUM RATED.

2. REFER TO 2016 NFPA 72 AND 2016 USFSC (VCC) FOR WIRING SURVIVABILITY REQUIREMENTS.

A. 1. 12-2 PATHWAY SURVIVABILITY IS DEFINED BY THE FOLLOWING LEVELS:

a. LEVEL 0: PATHWAYS SHALL NOT BE REQUIRED TO HAVE ANY PROVISIONS FOR PATHWAY SURVIVABILITY.

b. LEVEL 1: PATHWAY SURVIVABILITY LEVEL 1 SHALL CONSIST OF PATHWAYS IN BUILDING THAT ARE FULLY PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13, STANDARDS FOR THE INSTALLATION OF SPRINKLER SYSTEMS, WITH ANY INTERCONNECTING CONDUITS, CABLES, OR OTHER PHYSICAL PATHWAYS INSTALLED IN METAL RACEWAYS.

c. LEVEL 2: PATHWAY SURVIVABILITY LEVEL 2 SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING:

1. 2-HOUR FIRE-RATED CABLE INTEGRITY (C) CABLE. REFER TO 2-HOUR FIRE-RATED CABLES AND BARRIER WRAP¹ BELOW FOR OPTIONAL CABLE MANUFACTURERS.

2. 2-HOUR FIRE-RATED CABLE SYSTEM ELECTRICAL CIRCUIT PROTECTIVE SYSTEMS². REFER TO 2-HOUR FIRE-RATED CABLES AND BARRIER WRAP¹ BELOW FOR OPTIONAL CABLE MANUFACTURERS.

3. 2-HOUR FIRE-RATED ENCLOSURE OR PROTECTED AREA. REFER TO 2-HOUR FIRE-RATED CABLES AND BARRIER WRAP¹ BELOW FOR OPTIONAL BARRIER WRAP MANUFACTURER.

d. LEVEL 3: PATHWAY SURVIVABILITY LEVEL 3 SHALL CONSIST OF PATHWAYS IN BUILDINGS THAT ARE FULLY PROTECTED BY AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13, STANDARDS FOR THE INSTALLATION OF SPRINKLER SYSTEMS, AND ONE OR MORE OF THE FOLLOWING:

1. 2-HOUR FIRE-RATED CABLE INTEGRITY (C) CABLE. REFER TO 2-HOUR FIRE-RATED CABLES AND BARRIER WRAP¹ BELOW FOR OPTIONAL CABLE MANUFACTURERS.

2. 2-HOUR FIRE-RATED CABLE SYSTEM ELECTRICAL CIRCUIT PROTECTIVE SYSTEMS². REFER TO 2-HOUR FIRE-RATED CABLES AND BARRIER WRAP¹ BELOW FOR OPTIONAL CABLE MANUFACTURERS.

3. 2-HOUR FIRE-RATED ENCLOSURE OR PROTECTED AREA. REFER TO 2-HOUR FIRE-RATED CABLES AND BARRIER WRAP¹ BELOW FOR OPTIONAL BARRIER WRAP MANUFACTURER.

4. 2-HOUR PERFORMANCE ALTERNATIVES APPROVED BY THE AUTHORITY HAVING JURISDICTION.

B. 1. NFPA 72 AND 24.1 REFERS TO THE AREA OF RESCUE (2-WAY COMMUNICATION SYSTEM).

2. INSTALL THE 2-WAY COMMUNICATION SYSTEM CIRCUITS TO EACH FLOOR ACCORDING TO PATHWAY SURVIVABILITY LEVELS 2 OR 3, UNLESS OTHERWISE REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.

1. PROVIDE THE 2-HOUR FIRE-RATED CABLE BETWEEN THE 2-WAY COMMUNICATION SYSTEM MASTER STATION IN THE WEST ENTRY TO EACH EMERGENCY CALL PHONE THROUGHOUT THE BUILDING, UNLESS ONE OF THE OTHER OPTIONS IS MORE COST EFFECTIVE.

2. PROVIDE THE 2-HOUR FIRE-RATED CABLE BETWEEN THE 2-WAY COMMUNICATION SYSTEM MASTER STATIONS UPS IN THE BACKFLOW PREVENTER ROOM TO THE EMERGENCY ELECTRICAL PANEL, PROVIDING POWER TO IT IN THE EMERGENCY ELECTRICAL ROOM IN THE BASEMENT.

C. 2-HOUR FIRE-RATED CABLES AND BARRIER WRAP:

1. PYRMAX (SYSTEM 1855 TWISTED PAIR): 2-HOUR FIRE-RATED, MINERAL INSULATED COPPER-SHEATHED FIRE ALARM AND VOICE COMMUNICATION CABLE.

2. OMNISCABLE (UTALKIN TYPE MC CABLE): 2-HOUR FIRE-RATED POWER MC CABLES, #12 AWG TO 750 MCM.

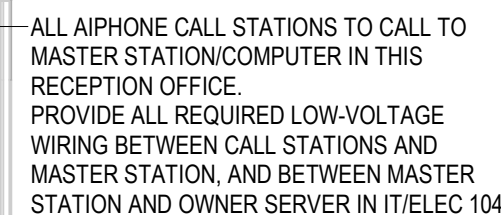
3. COMTAN CABLE (NTPALK): 2-HOUR FIRE-RATED CMC CABLES, #14 AWG TO #16 AWG.

4. STI THERMAL BARRIER WRAP: 1-HR AND 2-HOUR RATINGS.

3. NOTES:

a. 1. LOW-VOLTAGE SYSTEMS REQUIRING 2-HOUR RATING APPLIES TO THE LOW-VOLTAGE COMMUNICATION CABLES AND THE POWER CIRCUITS FEEDING THE SYSTEMS THAT KEEP THEM OPERATIONAL.

b. 2. TO MAINTAIN THEIR 2-HOUR RATINGS, C) AND MC CABLE INSTALLATION MUST STRICTLY FOLLOW THE UL SYSTEM GUIDELINES FOR THAT CABLE. THIS INCLUDES WHAT IT IS INSTALLED IN, WHAT THE CORD OR CONDUIT IS ATTACHED TO, TERMINATIONS, MANUFACTURER OF EACH COMPONENT, ETC. AS SPECIFIED BY THE CABLE MANUFACTURER.



- PROVIDE (3) "WALL SLEEVES MOUNTED 10'-4" AFF. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL.
2. PROVIDE A 2' WALL SLEEVE MOUNTED 10'-4" AFF. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL.
3. PROVIDE (3) "WALL SLEEVES MOUNTED 11'-4" AFF. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL.

FOR ALL FLOOR SLABS ABOVE TOP OF FINISHED FIRST FLOOR OF ITC/ELEC LOA START CONDITIONS 5'-8" BELOW BOTTOM OF FINISHED MAIN FLOOR SLAB AND END CONDITIONS 5'-8" ABOVE TOP OF FINISHED FIRST FLOOR SLAB. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL AND/OR FLOOR IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL AND/OR FLOOR.

FOR ALL FLOOR SLABS FROM TOP OF FINISHED SECOND FLOOR DOWN TO BOTTOM OF FINISHED UPPER SUB-BASMENT FLOOR. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL AND/OR FLOOR IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL AND/OR FLOOR.

FOR ALL VERTICAL PENETRATIONS THROUGH ROOF OR FLOOR SLAB TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. HORIZONTAL LOCATION DATA DROP WILL NEED TO BE LOCATED BEHIND THE TV TO NOT INTERFERE WITH THE TV WALL MOUNTING BRACKET.



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PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS

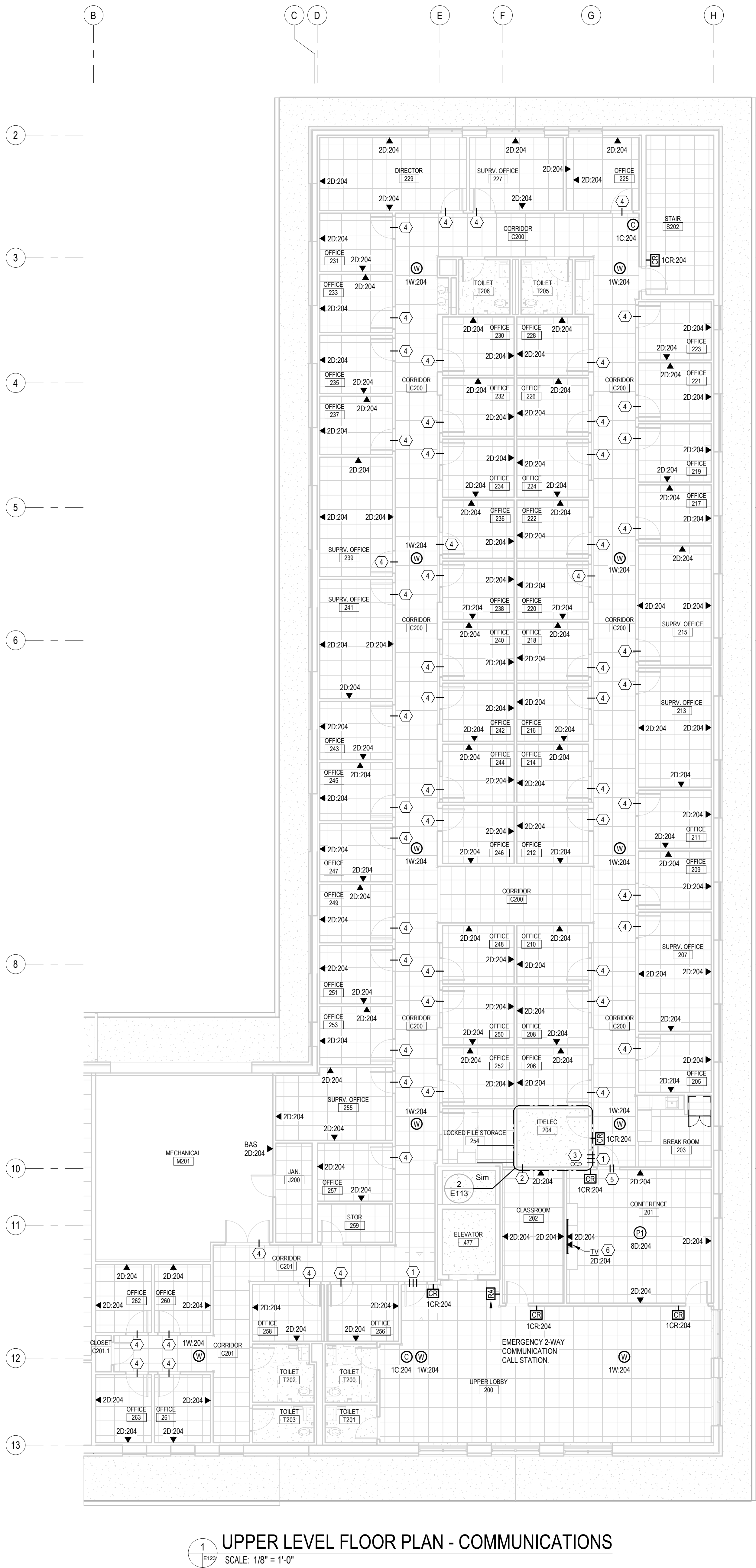


SHEET NUMBER:

E1 22



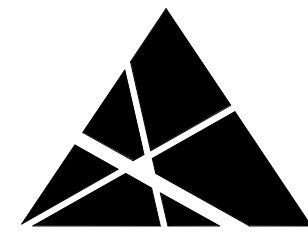
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1
E123
UPPER LEVEL FLOOR PLAN - COMMUNICATIONS
SCALE: 1/8" = 1'-0"

PLAN NOTES: (7)

1. PROVIDE (3) 4" WALL SLEEVES MOUNTED 10'-4" AFF. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL.
2. PROVIDE (3) 4" WALL SLEEVES MOUNTED 11'-0" AFF. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL.
3. PROVIDE (3) 4" CONDUIT PATHWAYS FROM CEILING IN CLOSET C101.2 TO FLOOR OF ITELEC 204. START CONDUITS 0'-6" BELOW BOTTOM OF FINISHED UPPER FLOOR SLAB AND END CONDUITS 0'-6" ABOVE TOP OF FINISHED UPPER FLOOR SLAB. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL AND/OR FLOOR IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL AND/OR FLOOR.
4. PROVIDE A 2" WALL SLEEVE MOUNTED 10'-4" AFF. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL.
5. PROVIDE (2) 2" WALL SLEEVES MOUNTED 10'-4" AFF. TO BE PROVIDED AND INSTALLED BY DIVISION 26 ELECTRICAL CONTRACTOR. WHERE WALL IS FIRE RATED PROVIDE FIRE RATED SLEEVES EQUAL TO THE RATING OF THE WALL.
6. PRIOR TO ROUGHING IN RECESSED COMMUNICATION WALL BACK BOX FOR TV, COORDINATE WITH TV INSTALLER FOR THE REQUIRED VERTICAL MOUNTING HEIGHT AND HORIZONTAL LOCATION THE DATA DROP WILL NEED TO BE LOCATED BEHIND THE TV TO NOT INTERFERE WITH THE TV WALL MOUNTING BRACKET.



SPECTRUM DESIGN
architects | engineers

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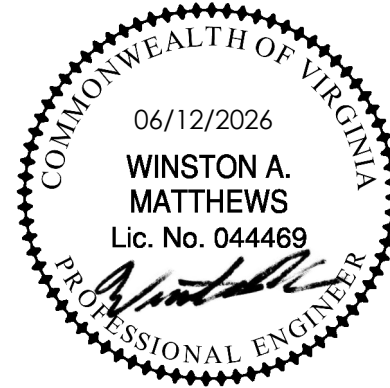
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PROJ. MGR.: CHECKED BY: DRAWN BY:
RCH WAM MAS

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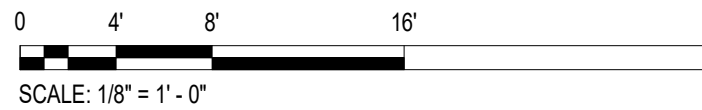


SHEET NAME:

**UPPER LEVEL FLOOR
PLAN -
COMMUNICATIONS**

SHEET NUMBER:

E123





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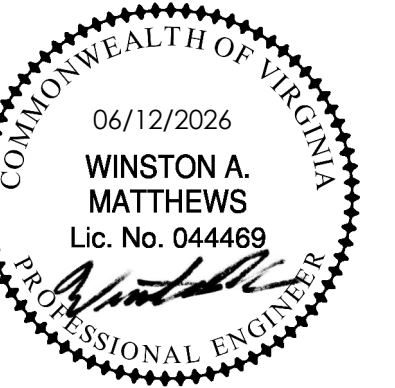
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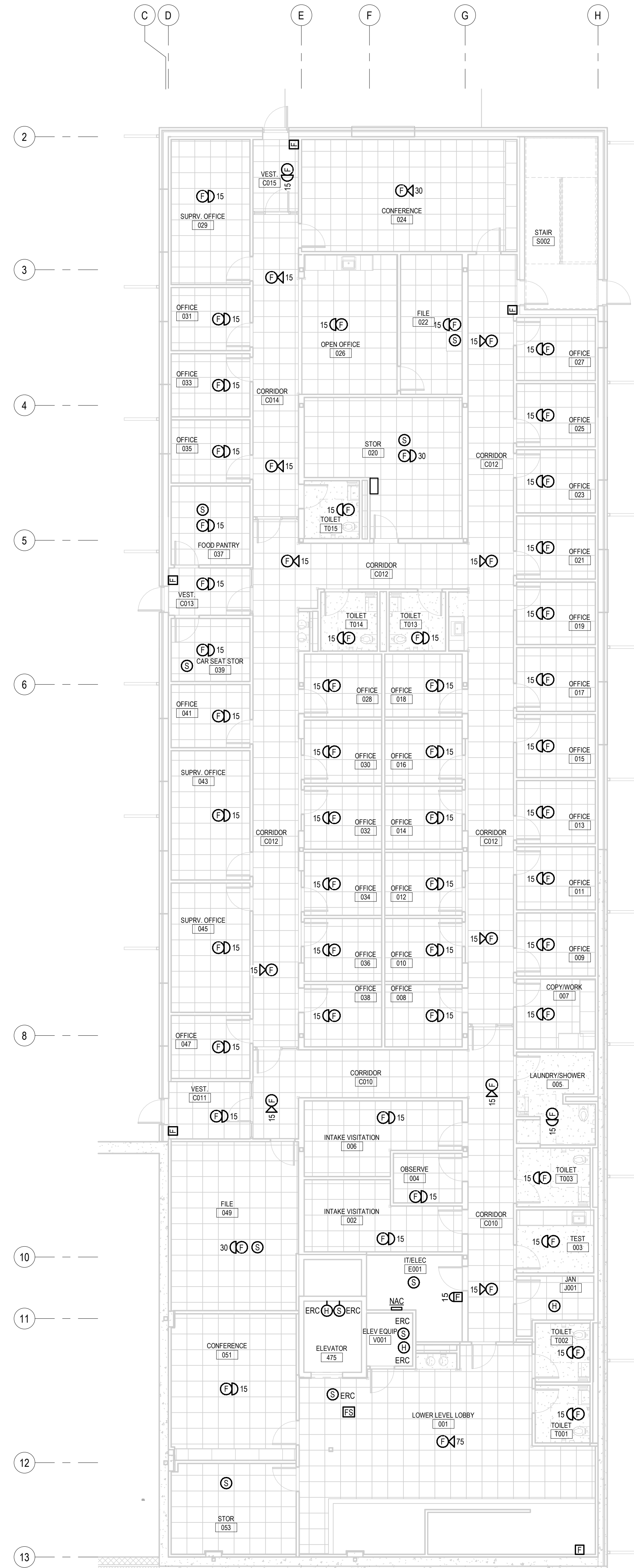
SPECTRUM DESIGN PROJECT NO.: **24112**

PROJ. MGR.: **RCH** CHECKED BY: **WAM** DRAWN BY: **MAS**

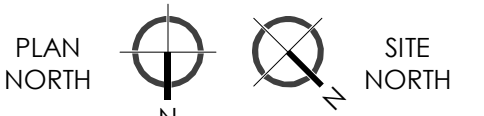
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PROJECT PHASE: BID DOCUMENTS

SHEET REVISIONS:



1 LOWER LEVEL FLOOR PLAN - FIRE ALARM
SCALE: 1/8" = 1'-0"

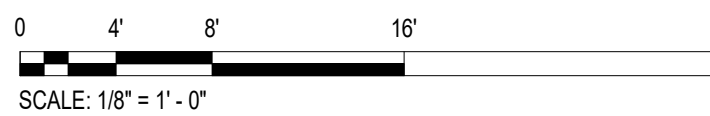


SHEET NAME:

**LOWER LEVEL FLOOR
PLAN - FIRE ALARM**

SHEET NUMBER:

E131





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SHEET NAME:

**MAIN LEVEL FLOOR
PLAN - FIRE ALARM**

SHEET NUMBER:
E132



DESIGNATION	DESCRIPTION	ECN
50A-4W-G	COPPER (4) #8 AWG CU + (1) #10 AWG CU GND IN 1" CONDUIT.	EQ PN DF
70A-3W-G	COPPER (3) #4 AWG CU + (1) #8 AWG CU GND IN 1-1/4" CONDUIT.	DIS N
100A-4W-G	COPPER (4) #3 AWG CU + (1) #8 AWG CU GND IN 1-1/2" CONDUIT. ALUMINUM: (4) #1 AWG AL + (1) #6 AWG AL GND IN 1-1/2" CONDUIT.	DIS N
125A-3W-G	COPPER (3) #1 AWG CU + (1) #6 AWG CU GND IN 1-1/2" CONDUIT. ALUMINUM: (3) #2/0 AWG AL + (1) #4 AWG AL GND IN 1-1/2" CONDUIT.	VC L H
125A-4W-G	COPPER (4) #1 AWG CU + (1) #6 AWG CU GND IN 2" CONDUIT. ALUMINUM: (4) #2/0 AWG AL + (1) #4 AWG AL GND IN 2" CONDUIT.	LE 0 1 2
125A-4W-OG	COPPER (4) #1 AWG CU + (1) #6 AWG CU GND IN 2" CONDUIT. ALUMINUM: (4) #2/0 AWG AL + (1) #2/0 AWG AL GND IN 2" CONDUIT.	0 1 2
150A-3W-G	COPPER (3) #1/0 AWG CU + (1) #6 AWG CU GND IN 2" CONDUIT. ALUMINUM: (3) #3/0 AWG AL + (1) #4 AWG AL GND IN 2" CONDUIT.	SD R M L 1,2
150A-4W-G	COPPER (4) #1/0 AWG CU + (1) #6 AWG CU GND IN 2" CONDUIT. ALUMINUM: (4) #3/0 AWG AL + (1) #6 AWG AL GND IN 2" CONDUIT.	
200A-3W-G	COPPER (3) #3/0 AWG CU + (1) #6 AWG CU GND IN 2-1/2" CONDUIT. ALUMINUM: (3) #250 MCM AL + (1) #4 AWG AL GND IN 2-1/2" CONDUIT.	
200A-4W-G	COPPER (4) #3/0 AWG CU + (1) #6 AWG CU GND IN 2-1/2" CONDUIT. ALUMINUM: (4) #250 MCM AL + (1) #4 AWG AL GND IN 2-1/2" CONDUIT.	
300A-3W-G	COPPER (3) #350 MCM CU + (1) #4 AWG CU GND IN 3" CONDUIT. ALUMINUM: (3) #500 MCM AL + (1) #2 AWG AL GND IN 3" CONDUIT.	
350A-3W-G	COPPER 2 SETS OF (3) #4/0 AWG CU + (1) #3 AWG AL GND IN (2) 2" CONDUITS. ALUMINUM 3 SETS OF (3) #4/0 AWG AL + (1) #1 AWG AL GND IN (2) CONDUITS.	
800A-4W-G	COPPER 2 SETS OF (4) #500 MCM CU + (1) #10 AWG CU GND IN (2) 4" CONDUITS + 1 SPARE 4" CONDUIT. ALUMINUM 3 SETS OF (4) #400 MCM AL + (1) #3/0 AWG AL GND IN (3) 4" CONDUITS + 1 SPARE 4" CONDUIT.	
800A-XFMR	COPPER 2 SETS OF (4) #500 MCM CU IN (2) 4" CONDUITS + 1 SPARE 4" CONDUIT; (1) #3/0 AWG CU GND IN 4" CONDUIT. ALUMINUM 3 SETS OF (4) #400 MCM AL IN (3) 4" CONDUITS + 1 SPARE 4" CONDUIT; (1) #250 MCM AL GND IN 4" CONDUIT.	

EQUIPMENT:
PNL = PANELBOARD
DISC = DISCONNECT SWITCH
XMR = TRANSFORMER

DISTRIBUTION SYSTEMS:
N = NORMAL RANGE

VOLTAGE:
L = 208Y/120 VOLT
H = 480Y/277 VOLT

LEVEL:
0 = LOWER LEVEL
1 = MAIN LEVEL
2 = UPPER LEVEL

SUBSCRIPTS:
SB = SWITCHBOARD
R = RECEPTACLE PANEL
M = MECHANICAL PANEL
L = LIGHTING PANEL
1,2,3...SUBSCRIPTS FOR ADDITIONAL EQUIPMENT

POWER METERING LOADS

- TOTAL LIGHTING LOADS = LGT 1 + LGT 2 + LGT 3 + LGT 4
- TOTAL RECEPTACLE LOADS = REC 1 + REC 2 + REC 3 + REC 4 + REC 5 + REC 6 + REC 7
- TOTAL MECHANICAL LOADS = MECH 1 + MECH 2 + MECH 3 + MECH 4 + MECH 5 + MECH 6 + MECH 7 + MECH 8
- TOTAL BUILDING LOAD = TOTAL + MECH 8

MECHANICAL M20

PROVIDE ENGRAVED NAMEPLATES FOR ALL ELECTRICAL AND MECHANICAL EQUIPMENT SHOWN ON THIS RISER AND ANY OTHER ELECTRICAL EQUIPMENT NOTE IN SPECIFICATION 260553. LABELS SHALL BE PROVIDED WITH THE SPECIFIED MULTIPLE LINES OF TEXT (FIRST LINE: NAME OF EQUIPMENT; SECOND LINE: VOLTAGE, PHASE, AND NUMBER OF WIRES; THIRD LINE: WHAT FEELS THIS PIECE OF EQUIPMENT). LABELS SHALL ALSO BE PROVIDED WITH THE SPECIFIED FACE/LETTERING COLORS.



SCALE: NONE



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ELECTRICAL RISER DIAGRAM

SHEET NUMBER:

E200

VOLTAGE: 480Y/277V
SYSTEM: 3PH, 4W
SOLID NEUTRAL: YES

MAIN: 125A MLO
BUS RATING: 125A
GROUND BUS: YES

INTEGRAL SPD: YES
MOUNTING: SURFACE
INTERRUPT RATING: 25,000 AIC

CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3
1	VAV-001 - FILE 049	15/1	#12	#12	#12	12"	H	2.5			2	VAV-003 - VEST C011	15/3	#12	-	#12	12"	H	2		
3	VAV-002 - CORRIDOR C010	15/1	#12	#12	#12	12"	H		2.5	4	4	VAV-003 - VEST C011	-	#12	-	-	-	H		2	
5	VAV-007 - OPEN OFFICE 026	25/1	#10	#10	#10	3/4"	H			5	6	VAV-003 - VEST C011	-	#12	-	-	-	H			2
7	VAV -008 - OFFICE 023	15/1	#12	#12	#12	12"	H	1.5			8	VAV-004 - OFFICE 043	15/3	#12	-	#12	12"	H	2.33		
9	VAV-009 - OFFICE 015	15/1	#12	#12	#12	12"	H			2	10	VAV-004 - OFFICE 043	-	#12	-	-	-	H		2.33	
11	VAV-010 - COPY/WORK 007	15/1	#12	#12	#12	12"	H				12	VAV-004 - OFFICE 043	-	#12	-	-	-	H			2.33
13	VAV-011 - CORRIDOR C010	15/1	#12	#12	#12	12"	H	2			14	VAV-005 - VEST C013	15/3	#12	-	#12	12"	H	2.83		
15	VAV-012 - CORRIDOR C010	20/1	#12	#12	#12	12"	H		2.5		16	VAV-005 - VEST C013	-	#12	-	-	-	H		2.83	
17	VAV-013 - OFFICE 036	15/1	#12	#12	#12	12"	H			2	18	VAV-005 - VEST C013	-	#12	-	-	-	H			2.83
19	VAV-014 - OFFICE 034	15/1	#12	#12	#12	12"	H	3			20	VAV-006 - CORRIDOR C014	15/3	#12	-	#12	12"	H	1.33		
21	VAV-015 - OFFICE 030	15/1	#12	#12	#12	12"	H		3		22	VAV-006 - CORRIDOR C014	-	#12	-	-	-	H		1.33	
23	VAV-016 - STOR 020	20/1	#12	#12	#12	12"	H			3.5	24	VAV-006 - CORRIDOR C014	-	#12	-	-	-	H			1.33
25	SPARE	20/1	-	-	-	-	-	-			26	ECH-1 - STAIR S002	15/3	#12	-	#12	12"	H	1		
27	SPARE	20/1	-	-	-	-	-	-			28	ECH-1 - STAIR S002	-	#12	-	-	-	H		1	
29	SPARE	20/1	-	-	-	-	-	-			30	ECH-1 - STAIR S002	-	#12	-	-	-	H			1
31	SPARE	15/1	-	-	-	-	-	-			32	SPACE ONLY	-	-	-	-	-	-	-		
33	SPARE	15/1	-	-	-	-	-	-			34	SPACE ONLY	-	-	-	-	-	-	-		
35	SPARE	15/1	-	-	-	-	-	-			36	SPACE ONLY	-	-	-	-	-	-	-		
37	SPACE ONLY	-	-	-	-	-	-	-			38	SPACE ONLY	-	-	-	-	-	-	-		
39	SPACE ONLY	-	-	-	-	-	-	-			40	SPACE ONLY	-	-	-	-	-	-	-		
41	SPACE ONLY	-	-	-	-	-	-	-			42	SPACE ONLY	-	-	-	-	-	-	-		
43	SPACE ONLY	-	-	-	-	-	-	-			44	SPACE ONLY	-	-	-	-	-	-	-		
45	SPACE ONLY	-	-	-	-	-	-	-			46	SPACE ONLY	-	-	-	-	-	-	-		
47	SPACE ONLY	-	-	-	-	-	-	-			48	SPACE ONLY	-	-	-	-	-	-	-		
49	SPD	20/3	#12	#12	#12	3/4"	N	.03			50	SPACE ONLY	-	-	-	-	-	-	-		
51	SPD	-	#12	-	-	-	N		.03		52	SPACE ONLY	-	-	-	-	-	-	-		
53	SPD	-	#12	-	-	-	N			.03	54	SPACE ONLY	-	-	-	-	-	-	-		

PHASE LOAD TOTALS

18.5219.5222.02

LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND	LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING	0	1.25	0	KITCHEN EQUIPMENT	0	1.0	0
REC TO 10 KVA	0	1.0	0	CONTINUOUS	0	1.25	0
REC REMAINING	0	0.5	0	NON-CONTINUOUS	.09	1.0	.09
SPACE HEATING	59.97	1.0	59.97	DEMAND	0	1.0	0
AIR CONDITIONING	0	0.0	0				
NON-SEASONAL MOTORS	0	1.0	0	TOTAL CONNECTED LOAD	60.1	KVA	72.3
LARGEST MOTOR	0	0.25	0	MIN. FEEDER / PANEL CAPACITY	60.1	KVA	72.3
WATER HEATING	0	1.0	0	OVERALL DEMAND FACTOR	1.00		

AMPS

AMPS

VOLTAGE: 480Y/277V
SYSTEM: 3PH, 4W
SINGLE NEUTRAL: YES

MAIN: 225A MLO
BUS RATING: 225A
GROUND BUS: YES

INTEGRAL SPD: YES
MOUNTING: SURFACE
INTERRUPT RATING: 25,000 AC

CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	
1	VAV-201 - CORRIDOR C201	201I	#12	#12	#12	1/2"	H	3.5			2	VAV-204 - OFFICE 253	153I	#12	-	#12	1/2"	H	2			
3	VAV-202 - CORRIDOR C201	151I	#12	#12	#12	1/2"	H		2.5		4	VAV-204 - OFFICE 253	-	#12	-	-	-	H		2		
5	VAV-203 - SUPPLY OFFICE 255	151I	#12	#12	#12	1/2"	H			1.5	6	VAV-204 - OFFICE 253	-	#12	-	-	-	H			2	
7	VAV-208 - OFFICE 231	201I	#12	#12	#12	1/2"	H	3.5			8	VAV-205 - OFFICE 245	153I	#12	-	#12	1/2"	H	2			
9	VAV-211 - OFFICE 217	201I	#12	#12	#12	1/2"	H		3.5		10	VAV-205 - OFFICE 245	-	#12	-	-	-	H		2		
11	VAV-214 - BREAK ROOM 203	201I	#12	#12	#12	1/2"	H			3.5	12	VAV-205 - OFFICE 245	-	#12	-	-	-	H			2	
13	VAV-216 - OFFICE 252	151I	#12	#12	#12	1/2"	H	2.5			14	VAV-206 - SUPPLY OFFICE 239	153I	#12	-	#12	1/2"	H	1.5			
15	VAV-217 - OFFICE 250	151I	#12	#12	#12	1/2"	H		2.5		16	VAV-206 - SUPPLY OFFICE 239	-	#12	-	-	-	H		1.5		
17	VAV-218 - OFFICE 246	151I	#12	#12	#12	1/2"	H			2.5	18	VAV-206 - SUPPLY OFFICE 239	-	#12	-	-	-	H			1.5	
19	VAV-219 - OFFICE 242	151I	#12	#12	#12	1/2"	H	2			20	VAV-207 - OFFICE 235	153I	#12	-	#12	1/2"	H	1.5			
21	VAV-220 - OFFICE 238	151I	#12	#12	#12	1/2"	H		3		22	VAV-207 - OFFICE 235	-	#12	-	-	-	H		1.5		
23	VAV-221 - OFFICE 234	151I	#12	#12	#12	1/2"	H			3	24	VAV-207 - OFFICE 235	-	#12	-	-	-	H			1.5	
25	SPARE	151I	-	-	-	-	-	-	-	-	26	VAV-209 - CORRIDOR C200	153I	#12	-	#12	1/2"	H	2.17			
27	SPARE	151I	-	-	-	-	-	-	-	-	28	VAV-209 - CORRIDOR C200	-	#12	-	-	-	H		2.17		
29	SPARE	151I	-	-	-	-	-	-	-	-	30	VAV-209 - CORRIDOR C200	-	#12	-	-	-	H			2.17	
31	SPARE	201I	-	-	-	-	-	-	-	-	32	VAV-210 - OFFICE 219	153I	#12	-	#12	1/2"	H	1.33			
33	SPARE	201I	-	-	-	-	-	-	-	-	34	VAV-210 - OFFICE 219	-	#12	-	-	-	H		1.33		
35	SPARE	201I	-	-	-	-	-	-	-	-	36	VAV-210 - OFFICE 219	-	#12	-	-	-	H			1.33	
37	SPACE ONLY	-	-	-	-	-	-	-	-	-	38	VAV-212 - OFFICE 211	153I	#12	-	#12	1/2"	H	1.67			
39	SPACE ONLY	-	-	-	-	-	-	-	-	-	40	VAV-212 - OFFICE 211	-	#12	-	-	-	H		1.67		
41	SPACE ONLY	-	-	-	-	-	-	-	-	-	42	VAV-212 - OFFICE 211	-	#12	-	-	-	H			1.67	
43	SPACE ONLY	-	-	-	-	-	-	-	-	-	44	VAV-213 - BREAK ROOM 203	153I	#12	-	#12	1/2"	H	1.67			
45	SPACE ONLY	-	-	-	-	-	-	-	-	-	46	VAV-213 - BREAK ROOM 203	-	#12	-	-	-	H		1.67		
47	SPACE ONLY	-	-	-	-	-	-	-	-	-	48	VAV-213 - BREAK ROOM 203	-	#12	-	-	-	H			1.67	
49	SPACE ONLY	-	-	-	-	-	-	-	-	-	50	VAV-215 - UPPER LOBBY 200	153I	#12	-	#12	1/2"	H	3			
51	SPACE ONLY	-	-	-	-	-	-	-	-	-	52	VAV-215 - UPPER LOBBY 200	-	#12	-	-	-	H		3		
53	SPACE ONLY	-	-	-	-	-	-	-	-	-	54	VAV-215 - UPPER LOBBY 200	-	#12	-	-	-	H			3	
55	SPD	203I	#12	#12	#12	3/4"	N	.03			56	SPACE ONLY	-	-	-	-	-	-	-			
57	SPD	-	#12	-	-	-	N		.03		58	SPACE ONLY	-	-	-	-	-	-	-			
59	SPD	-	#12	-	-	-	N			.03	60	SPACE ONLY	-	-	-	-	-	-	-			
PHASE LOAD TOTALS																				28.37	28.37	27.37

LOADS (KVA)

CONNECTED0
LIGHTING0 1.25
REC TO 10 KVA0 1.0
REC REMAINING0 0.5
SPACE HEATING84.02 1.0 84.02
AIR CONDITIONING0 0.0
NON-SEASONAL MOTORS0 1.0
LARGEST MOTOR0 0.25
WATER HEATING0 1.0

LOADS (KVA)

CONNECTED0
KITCHEN EQUIPMENT0 1.0
CONTINUOUS0 1.25
NON-CONTINUOUS0.09 1.0 0.09
DEMAND0 1.0 0

101.2 KVA
101.2 AMPS

MIN. FEEDER / PANEL CAPACITY
OVERALL DEMAND FACTOR1.00

VOLTAGE: 480Y/277V
SYSTEM: 3PH, 4W
SINGLE NEUTRAL: YES

MAIN: 225A MLO
BUS RATING: 225A
GROUND BUS: YES

INTEGRAL SPD: YES
MOUNTING: SURFACE
INTERRUPT RATING: 25,000 AIC

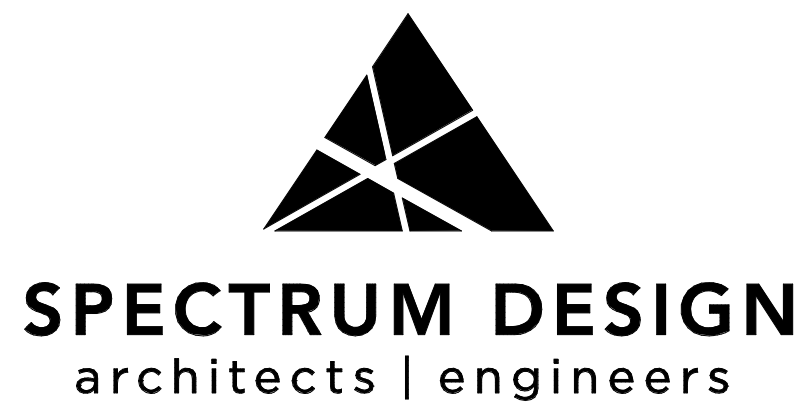
CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3
1	VAV-102 - RECEPTION 102	15/1	#12	#12	1/2"	H	1				2	VAV-101 - LOBBY/WAITING 100	20/3	#12	-	#12	1/2"	H	4.17		
3	VAV-103 - SURVRY OFFICE 147	15/1	#12	#12	1/2"	H		2			4	VAV-101 - LOBBY/WAITING 100	-	#12	-	-	-	H		4.17	
5	VAV-111 - OFFICE 146	15/1	#12	#12	1/2"	H					2	6	VAV-101 - LOBBY/WAITING 100	-	#12	-	-	-	H		4.17
7	VAV-112 - OFFICE 142	15/1	#12	#12	1/2"	H	3				8	VAV-104 - OFFICE 145	15/3	#12	-	#12	1/2"	H	1.67		
9	VAV-113 - OFFICE 138	15/1	#12	#12	1/2"	H		2.5			10	VAV-104 - OFFICE 145	-	#12	-	-	-	H		1.67	
11	VAV-114 - OFFICE 134	15/1	#12	#12	1/2"	H					3	12	VAV-104 - OFFICE 145	-	#12	-	-	-	H		1.67
13	VAV-115 - OFFICE 130	15/1	#12	#12	1/2"	H	2				14	VAV-105 - OFFICE 139	15/3	#12	-	#12	1/2"	H	2		
15	VAV-116 - OFFICE 120	15/1	#12	#12	1/2"	H		2.5			16	VAV-105 - OFFICE 139	-	#12	-	-	-	H		2	
17	SPARE	15/1	-	-	-	-					18	VAV-105 - OFFICE 139	-	#12	-	-	-	H			2
19	SPARE	15/1	-	-	-	-	-				20	VAV-106 - SURVRY OFFICE 133	20/3	#12	-	#12	1/2"	H	2.67		
21	SPARE	15/1	-	-	-	-					22	VAV-106 - SURVRY OFFICE 133	-	#12	-	-	-	H		2.67	
23	SPARE	15/1	-	-	-	-					24	VAV-106 - SURVRY OFFICE 133	-	#12	-	-	-	H			2.67
25	SPARE	20/1	-	-	-	-	-				26	VAV-107 - CORRIDOR C101	25/3	#10	-	#10	3/4"	H	5		
27	SPARE	20/1	-	-	-	-	-				28	VAV-107 - CORRIDOR C101	-	#10	-	-	-	H		5	
29	SPARE	20/1	-	-	-	-	-				30	VAV-107 - CORRIDOR C101	-	#10	-	-	-	H			5
31	EH2 - VEST C100	15/3	#12	-	#12	1/2"	H	2			32	VAV-108 - SURVRY OFFICE 117	15/3	#12	-	#12	1/2"	H	2		
33	EH2 - VEST C100	-	#12	-	-	-	H		2		34	VAV-108 - SURVRY OFFICE 117	-	#12	-	-	-	H		2	
35	EH2 - VEST C100	-	#12	-	-	-	H			2	36	VAV-108 - SURVRY OFFICE 117	-	#12	-	-	-	H			2
37	SPACE ONLY	-	-	-	-	-	-				38	VAV-109 - OFFICE 111	15/3	#12	-	#12	1/2"	H	1.67		
39	SPACE ONLY	-	-	-	-	-	-				40	VAV-109 - OFFICE 111	-	#12	-	-	-	H		1.67	
41	SPACE ONLY	-	-	-	-	-	-				42	VAV-109 - OFFICE 111	-	#12	-	-	-	H			1.67
43	SPACE ONLY	-	-	-	-	-	-				44	VAV-110 - OFFICE 107	15/3	#12	-	#12	1/2"	H	2.33		
45	SPACE ONLY	-	-	-	-	-	-				46	VAV-110 - OFFICE 107	-	#12	-	-	-	H		2.33	
47	SPACE ONLY	-	-	-	-	-	-				48	VAV-110 - OFFICE 107	-	#12	-	-	-	H			2.33
49	SPD	20/3	#12	#12	#12	3/4"	N	.03			50	SPACE ONLY	-	-	-	-	-	-	-		
51	SPD	-	#12	-	-	-	N		.03		52	SPACE ONLY	-	-	-	-	-	-	-		
53	SPD	-	#12	-	-	-	N			.03	54	SPACE ONLY	-	-	-	-	-	-	-		

PHASE LOAD TOTALS

29.5430.5428.54

LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND	LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING	0	1.25	0	KITCHEN EQUIPMENT	0	1.0	0
REC TO 10 KVA	0	1.0	0	CONTINUOUS	0	1.25	0
REC REMAINING	0	0.5	0	NON-CONTINUOUS	.09	1.0	.09
SPACE HEATING	88.53	1.0	88.53	DEMAND	0	1.0	0
AIR CONDITIONING	0	0.0	0				
NON-SEASONAL MOTORS	0	1.0	0	TOTAL CONNECTED LOAD	88.6	KVA	106.6
LARGEST MOTOR	0	0.25	0	MIN. FEEDER / PANEL CAPACITY	88.6	KVA	106.6
WATER HEATING	0	1.0	0	OVERALL DEMAND FACTOR	1.00		

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Comm. No.: 25114

©Lawrence Perry and Associates, Inc.

**DEPARTMENT OF SOCIAL
SERVICES BUILDING**

BEDFORD COUNTY

SPECTRUM DESIGN PROJECT NO.: **24112**



PROJ. MGR.: **RCH** CHECKED BY: **WAM** DRAWN BY: **MAS**

SHEET ISSUE DATE

06.12.2026

PROJECT PHASE:
BID DOCUMENTS

SHEET REVISIONS:



SHEET NAME:

ELECTRICAL PANEL SCHEDULES

SHEET NUMBER:

E21 1

PANEL NL0DP

VOLTAGE: 208Y/120V SYSTEM: 3PH, 4W SOLID NEUTRAL: YES											MAIN: 800A MLO BUS RATING: 800A GROUND BUS: YES											INTEGRAL SPD: YES MOUNTING: SURFACE INTERRUPT RATING: 35,000 AIC										
CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3											
1	SPD	603	#6	#6	#10	1"	N	.03			2	PANEL NL2R2	1503	#10	#10	#6	2"	SF	9.51													
3	SPD	-	#6	-	-	-	N		.03		4	PANEL NL2R2	-	#10	-	-	-	SF			9.27											
5	SPD	-	#6	-	-	-	N			.03	6	PANEL NL2R2	-	#10	-	-	-	SF				9.91										
7	SPD	-	-	-	-	-	-	-	-		8	PANEL NL2R1	1503	#10	#10	#6	2"	SF	11.19													
9	SPD	-	-	-	-	-	-	-	-		10	PANEL NL2R1	-	#10	-	-	-	SF			11.37											
11	SPD	-	-	-	-	-	-	-	-		12	PANEL NL2R1	-	#10	-	-	-	SF				10.83										
13	SPD	-	-	-	-	-	-	-	-		14	PANEL NL1R2	1503	#10	#10	#6	2"	SF	9.91													
15	SPD	-	-	-	-	-	-	-	-		16	PANEL NL1R2	-	#10	-	-	-	SF			8.37											
17	SPD	-	-	-	-	-	-	-	-		18	PANEL NL1R2	-	#10	-	-	-	SF				7.47										
19	PANEL NL0R2	1503	#10	#10	#6	2"	SF	8.55			20	PANEL NL1R1	1503	#10	#10	#6	2"	SF	10.35													
21	PANEL NL0R2	-	#10	-	-	-	-	-	7.26		22	PANEL NL1R1	-	#10	-	-	-	SF			11.25											
23	PANEL NL0R2	-	#10	-	-	-	-	-		9.67	24	PANEL NL1R1	-	#10	-	-	-	SF				9.17										
25	PANEL NL0R1	1503	#10	#10	#6	2"	SF	9.75			26	PANEL NL2M	1003	#3	#3	#8	1-1/2"	SF	1.75													
27	PANEL NL0R1	-	#10	-	-	-	-	-	8.91		28	PANEL NL2M	-	#3	-	-	-	-	SF			1.81										
29	PANEL NL0R1	-	#10	-	-	-	-	-		7.71	30	PANEL NL2M	-	#3	-	-	-	-	SF			1.93										
31	PANEL NL0M	1003	#3	#3	#8	1-1/2"	SF	8.14			32	PANEL NL1M	1003	#3	#3	#8	1-1/2"	SF	7.22													
33	PANEL NL0M	-	#3	-	-	-	-	-	6.65		34	PANEL NL1M	-	#3	-	-	-	-	SF			6.75										
35	PANEL NL0M	-	#3	-	-	-	-	-		6.8	36	PANEL NL1M	-	#3	-	-	-	-	SF			5.14										
37	SPACE ONLY (250 AMP FRAME)	-	#3	-	-	-	-	-	-		38	SPACE ONLY (250 AMP FRAME)	-	#3	-	-	-	-	-	-												
39	SPACE ONLY (250 AMP FRAME)	-	-	-	-	-	-	-	-		40	SPACE ONLY (250 AMP FRAME)	-	-	-	-	-	-	-	-												
41	SPACE ONLY (250 AMP FRAME)	-	-	-	-	-	-	-	-		42	SPACE ONLY (250 AMP FRAME)	-	-	-	-	-	-	-	-												
NOTE 1: FEEDER SIZES SHOWN IN THIS PANEL SCHEDULE ARE FOR COPPER FEEDERS. REFER TO RISER DIAGRAM ON SHEET E200 FOR ALUMINUM SIZE FEEDERS OF 100 AMP AND LARGER.																		PHASE LOAD TOTALS				76.4	71.67	68.66								

LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND	LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING	.15	1.25	.19	KITCHEN EQUIPMENT	14.18	0.65	9.22
REC TO 10 KVA	10	1.0	10	CONTINUOUS	19.8	1.25	24.75
REC REMAINING	138.86	0.5	69.43	NON-CONTINUOUS	10.02	1.0	10.02
SPACE HEATING	0	0.0	0	DEMAND	0	1.0	0
AIR CONDITIONING	2.7	1.0	2.7	TOTAL CONNECTED LOAD	216.7	KVA	602
NON-SEASONAL MOTORS	21.02	1.0	21.02	MIN. FEEDER / PANEL CAPACITY	148	KVA	411
LARGEST MOTOR	2.5	0.25	.63	OVERALL DEMAND FACTOR	0.68		
WATER HEATING	0	1.0	0				

PANEL NL0R2

VOLTAGE: 208Y/120V SYSTEM: 3PH, 4W SOLID NEUTRAL: YES											MAIN: 225A MLO BUS RATING: 225A GROUND BUS: YES											INTEGRAL SPD: YES MOUNTING: SURFACE INTERRUPT RATING: 22,000 AIC										
CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	CKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3											
1	RECEPTACLES - OFFICE 027	201	#12	#12	#12	1/2"	R	.72			2	RECEPTACLES - CONFERENCE 024	201	#12	#12	#12	1/2"	R	.72													
3	RECEPTACLES - OFFICE 025	201	#12	#12	#12	1/2"	R		.72		4	RECEPTACLES - CONFERENCE 024	201	#12	#12	#12	1/2"	R		.9												
5	RECEPTACLES - OFFICE 023	201	#12	#12	#12	1/2"	R			.72	6	RECEPTACLES - ROOMS C012, S002	201	#12	#12	#12	1/2"	R			.72											
7	RECEPTACLES - OFFICE 021	201	#12	#12	#12	1/2"	R	.72			8	RECEPTACLES - CORRIDOR C012	201	#12	#12	#12	1/2"	R	.72													
9	RECEPTACLES - OFFICE 019	201	#12	#12	#12	1/2"	R		.72		10	RECEPTACLE - CORRIDOR C012	201	#12	#12	#12	1/2"	R		.18												
11	RECEPTACLES - OFFICE 017	201	#12	#12	#12	1/2"	R			.72	12	RECEPTACLES - CORRIDOR C010	201	#12	#12	#12	1/2"	R			.54											
13	RECEPTACLES - OFFICE 015	201	#12	#12	#12	1/2"	R	.72			14	RECEPTACLES - OFFICE 018	201	#12	#12	#12	1/2"	R	.72													
15	RECEPTACLES - OFFICE 013	201	#12	#12	#12	1/2"	R		.72		16	RECEPTACLES - OFFICE 016	201	#12	#12	#12	1/2"	R		.72												
17	RECEPTACLES - OFFICE 011	201	#12	#12	#12	1/2"	R			.72	18	RECEPTACLES - OFFICE 014	201	#12	#12	#12	1/2"	R			.72											
19	RECEPTACLES - OFFICE 009	201	#12	#12	#12	1/2"	R	.72			20	RECEPTACLES - OFFICE 012	201	#12	#12	#12	1/2"	R	.72													
21	RECEPTACLES - COPYWORK 007	201	#12	#12	#12	1/2"	R		.54		22	RECEPTACLES - OFFICE 010	201	#12	#12	#12	1/2"	R		.72												
23	RECEPTACLES - COPYWORK 007	201	#12	#12	#12	1/2"	R			.36	24	RECEPTACLES - OFFICE 008	201	#12	#12	#12	1/2"	R			.72											
25	RECEPTACLES - ROOMS 005, T003	201	#12	#12	#12	1/2"	R	.36			26	RECEPTACLES - OBSERVE 004	201	#12	#12	#12	1/2"	R	.54													
27	RECEPTACLES - TEST 003	201	#12	#12	#12	1/2"	R		.72		28	RECEPTACLE - ELEVATOR 475 PIT	201	#12	#12	#12	1/2"	R		.18												
29	RECEPTACLES - ROOMS J001, T001, T002	201	#12	#12	#12	1/2"	R			.72	30	DOOR POWER 007, S002, S002.1, C010	201	#12	#12	#12	1/2"	C			1.2											
31	RECEPTACLES - ITELEC E001	201	#12	#12	#12	1/2"	R	.36			32	DOOR POWER SUPPLIES 001, 053, E001	201	#12	#12	#12	1/2"	C	.9													
33	RECEPTACLES - ITELEC E001	201	#12	#12	#12	1/2"	R		.36		34	ELEVATOR CAB LIGHTS	201	#12	#12	#12	1/2"	L		.15												
35	FLOOR RACK REC - ITELEC E001	201	#12	#12	#12	1/2"	C			1.9	36	SPARE	201	-	-	-	-	-	-	-	-											
37	ACCESS CONTROL PANEL 1 - ITELEC E001	201	#12	#12	#12	1/2"	C	.6			38	SPARE	201	-	-	-	-	-	-	-	-											
39	ACCESS CONTROL PANEL 2 - ITELEC E001	201	#12	#12	#12	1/2"	C		.6		40	SPARE	201	-	-	-	-	-	-	-	-											
41	FIRE ALARM NAC PANEL - ITELEC E001	201	#12	#12	#12	1/2"	C			.6	42	SPARE	201	-	-	-	-	-	-	-	-											
43	SPARE	201	-	-	-	-	-	-	-	-	44	SPARE	201	-	-	-	-	-	-	-	-											
45	SPARE	201	-	-	-	-	-	-	-	-	46	SPARE	201	-	-	-	-	-	-	-	-											
47	SPARE	201	-	-	-	-	-	-	-	-	48	SPARE	201	-	-	-	-	-	-	-	-											
49	SPARE	201	-	-	-	-	-	-	-	-	50	SPARE	201	-	-	-	-	-	-	-	-											
51	SPARE	201	-	-	-	-	-	-	-	-	52	SPACE ONLY	-	-	-	-	-	-	-	-	-											
53	SPARE	201	-	-	-	-	-	-	-	-	54	SPACE ONLY	-	-	-	-	-	-	-	-	-											
55	SPACE ONLY	-	-	-	-	-	-	-	-	-	56	SPACE ONLY	-	-	-	-	-	-	-	-	-											
57	SPACE ONLY	-	-	-	-	-	-	-	-	-	58	SPACE ONLY	-	-	-	-	-	-	-	-	-											
59	SPACE ONLY	-	-	-	-	-	-	-	-	-	60	SPACE ONLY	-	-	-	-	-	-	-	-	-											
61	SPACE ONLY	-	-	-	-	-	-	-	-	-	62	SPACE ONLY	-	-	-	-	-	-	-	-	-											
63	SPACE ONLY	-	-	-	-	-	-	-	-	-	64	SPACE ONLY	-	-	-	-	-	-	-	-	-											
65	SPACE ONLY	-	-	-	-	-	-	-	-	-	66	SPACE ONLY	-	-	-	-	-	-	-	-	-											
67	SPD	303	#10	#10	#10	3/4"	N	.03			68	SPACE ONLY	-	-	-	-	-	-	-	-	-											
69	SPD	-	#10	-	-	-	N		.03		70	SPACE ONLY	-	-	-	-	-	-	-	-	-											
71	SPD	-	#10	-	-	-	N			.03	72	SPACE ONLY	-	-	-	-	-	-	-	-	-											
NOTE 1. PROVIDE LOCKABLE BREAKER(S) FOR CIRCUIT(S) 41																PHASE LOAD TOTALS				8.55	7.26	9.6										

VOLTAGE: 208Y120V
SYSTEM: 3PH, 4W
SOLID NEUTRAL: YES

MAIN: 100A MLO
BUS RATING: 100A
GROUND BUS: YES

INTEGRAL SPD: YES
MOUNTING: SURFACE
INTERRUPT RATING: 22,000 AIC

OKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	OKT	LOAD SERVED	BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3
1	RECEPTACLES - TRAINING LOBBY C104	201	#12	#12	#12	12"	R	9			2	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R	36		
3	RECEPTACLES - CHAIR STOR 151A	201	#12	#12	#12	12"	R		36		4	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R		36	
5	RECEPTACLES - EXTERIOR	201	#12	#12	#12	12"	R			54	6	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R			36
7	RECEPTACLES - UTILITIES M10, ROOF	201	#12	#12	#12	12"	R	72			8	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R	36		
9	RECEPTACLES - TRAINING 151	201	#12	#12	#12	12"	R		36		10	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R		36	
11	RECEPTACLES - TRAINING 151	201	#12	#12	#12	12"	R			36	12	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R		36	
13	RECEPTACLES - TRAINING 151	201	#12	#12	#12	12"	R	36			14	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R	36		
15	RECEPTACLES - TRAINING 151	201	#12	#12	#12	12"	R			54	16	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R		36	
17	RECEPTACLES - TRAINING 151	201	#12	#12	#12	12"	R			54	18	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R			36
19	RECEPTACLES - TRAINING 151	201	#12	#12	#12	12"	R	36			20	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R	36		
21	RECEPTACLES - TRAINING 151	201	#12	#12	#12	12"	R		36		22	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R		36	
23	RECEPTACLES - TRAINING 151	201	#12	#12	#12	12"	R			54	24	FLOOR BOX RECEPTACLES - ROOM 151	201	#12	#12	#12	12"	R			36
25	LIGHTING CONTACTOR LCL1	201	#12	#12	#12	12"	L	18			26	DOOR POWER SUPPLIES 151.4, 151.5, 151.6	201	#12	#12	#12	12"	C	9		
27	MAIN FIRE ALARM CONTROL PANEL	201	#12	#12	#12	12"	C		6		28	SPARE	201	-	-	-	-	-	-	-	-
29	EMER 2-WAY COMM SYSTEM MASTER STATION	201	#12	#12	#12	12"	C		6	30	SPARE	201	-	-	-	-	-	-	-	-	-
31	TV - TRAINING LOBBY C104	201	#12	#12	#12	12"	R	36			32	SPARE	201	-	-	-	-	-	-	-	-
33	TV - TRAINING 151	201	#12	#12	#12	12"	R			54	34	SPARE	201	-	-	-	-	-	-	-	-
35	TV - TRAINING 151	201	#12	#12	#12	12"	R			36	36	MOTORIZED WINDOW SHADES - 151	201	#12	#12	#12	12"	M			72
37	TV - TRAINING 151	201	#12	#12	#12	12"	R			54	38	MOTORIZED WINDOW SHADES - C140	201	#12	#12	#12	12"	M	48		
39	PROJECTOR AND SCREEN - TRAINING 151	201	#12	#12	#12	12"	N			31	40	HMCP-1 UTILITIES M010	151	#12	#12	#12	12"	W			118
41	PROJECTOR AND SCREEN - TRAINING 151	201	#12	#12	#12	12"	N			31	42	MODS - UTILITIES M010	201	#12	#12	#12	12"	M			24
43	PROJECTOR AND SCREEN - TRAINING 151	201	#12	#12	#12	12"	N	31			44	IEF-4 UTILITIES M010	153	#12	-	#12	12"	M	55		
45	SPARE	201	-	-	-	-	-	-	-	-	46	IEF-4 UTILITIES M010	-	#12	-	-	-	M		55	
47	SPARE	201	-	-	-	-	-	-	-	-	48	IEF-4 UTILITIES M010	-	#12	-	-	-	M			55
49	SPARE	201	-	-	-	-	-	-	-	-	50	SPACE ONLY	-	-	-	-	-	-	-	-	-
51	SPARE	201	-	-	-	-	-	-	-	-	52	SPACE ONLY	-	-	-	-	-	-	-	-	-
53	SPARE	201	-	-	-	-	-	-	-	-	54	SPACE ONLY	-	-	-	-	-	-	-	-	-
55	SPARE	201	-	-	-	-	-	-	-	-	56	SPACE ONLY	-	-	-	-	-	-	-	-	-
57	SPARE	201	-	-	-	-	-	-	-	-	58	SPACE ONLY	-	-	-	-	-	-	-	-	-
59	SPARE	201	-	-	-	-	-	-	-	-	60	SPACE ONLY	-	-	-	-	-	-	-	-	-
61	SPARE	201	-	-	-	-	-	-	-	-	62	SPACE ONLY	-	-	-	-	-	-	-	-	-
63	SPARE	201	-	-	-	-	-	-	-	-	64	SPACE ONLY	-	-	-	-	-	-	-	-	-
65	SPARE	201	-	-	-	-	-	-	-	-	66	SPACE ONLY	-	-	-	-	-	-	-	-	-
67	SPD	303	#10	#10	#10	34"	N	.03			68	SPACE ONLY	-	-	-	-	-	-	-	-	-
69	SPD	-	#10	-	-	-	N		.03		70	SPACE ONLY	-	-	-	-	-	-	-	-	-
71	SPD	-	#10	-	-	-	N			.03	72	SPACE ONLY	-	-	-	-	-	-	-	-	-

NOTE 1. PROVIDE LOCKABLE BREAKER(S) FOR CIRCUIT(S) 27, 29

PHASE LOAD TOTALS

7.13

6.27

6.23

LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND	LOADS (KVA)	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING	18	1.25	23	KITCHEN EQUIPMENT	0	1.0	0
REC TO 10 KVA	10	1.0	10	CONTINUOUS	2.1	1.25	2.63
REC REMAINING	2.06	0.5	1.03	NON-CONTINUOUS	1.02	1.0	1.02
SPACE HEATING	0	0.0	0	DEMAND	0	1.0	0
AIR CONDITIONING	0	0.0	0				
NON-SEASONAL MOTORS	3.05	1.0	3.09				
LARGEST MOTOR	1.66	0.25	4.1	TOTAL CONNECTED LOAD	19.6	KVA	54.5 AMPS
WATER HEATING	1.18	1.0	1.18	MIN. FEEDER / PANEL CAPACITY	19.6	KVA	54.4 AMPS
				OVERALL DEMAND FACTOR	1.00		



E213

ORIGINAL USE ARCH E (20A2) 1 4/13/2024 1:23:09 PM
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PANEL NL2R1																																												
VOLTAGE: 208Y/120V SYSTEM: 3PH, 4W SOLID NEUTRAL: YES												MAIN: 225A MLO BUS RATING: 225A GROUND BUS: YES																INTEGRAL SPD: YES MOUNTING: SURFACE INTERRUPT RATING: 22,000 AIC																
OKT	LOAD SERVED											BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3	OKT	LOAD SERVED											BKR	PHASE	NEUT	GND	COND	DMD	L1	L2	L3			
1	RECEPTACLES - OFFICE 225											201	#12	#12	#12	1/2"	R	.72				2	RECEPTACLES - ROOMS C200, T206											201	#12	#12	#12	1/2"	R	.9				
3	RECEPTACLES - SURRV OFFICE 227											201	#12	#12	#12	1/2"	R		1.08			4	RECEPTACLES - CORRIDOR C200											201	#12	#12	#12	1/2"	R		1.08			
5	RECEPTACLES - DIRECTOR 229											201	#12	#12	#12	1/2"	R			1.08	6	RECEPTACLES - OFFICE 230											201	#12	#12	#12	1/2"	R			.72			
7	RECEPTACLES - OFFICE 231											201	#12	#12	#12	1/2"	R	.72			8	RECEPTACLES - OFFICE 232											201	#12	#12	#12	1/2"	R	.72					
9	RECEPTACLES - OFFICE 233											201	#12	#12	#12	1/2"	R		.72		10	RECEPTACLES - OFFICE 234											201	#12	#12	#12	1/2"	R		.72				
11	RECEPTACLES - OFFICE 235											201	#12	#12	#12	1/2"	R			.72	12	RECEPTACLES - OFFICE 236											201	#12	#12	#12	1/2"	R			.72			
13	RECEPTACLES - OFFICE 237											201	#12	#12	#12	1/2"	R	.72			14	RECEPTACLES - OFFICE 238											201	#12	#12	#12	1/2"	R	.72					
15	RECEPTACLES - SURRV OFFICE 239											201	#12	#12	#12	1/2"	R		1.08		16	RECEPTACLES - OFFICE 240											201	#12	#12	#12	1/2"	R		.72				
17	RECEPTACLES - SURRV OFFICE 241											201	#12	#12	#12	1/2"	R			1.08	18	RECEPTACLES - OFFICE 242											201	#12	#12	#12	1/2"	R			.72			
19	RECEPTACLES - OFFICE 256											201	#12	#12	#12	1/2"	R	.72			20	RECEPTACLES - OFFICE 244											201	#12	#12	#12	1/2"	R	.72					
21	RECEPTACLES - OFFICE 243											201	#12	#12	#12	1/2"	R		.72		22	RECEPTACLES - OFFICE 246											201	#12	#12	#12	1/2"	R		.72				
23	RECEPTACLES - OFFICE 245											201	#12	#12	#12	1/2"	R			.72	24	RECEPTACLES - OFFICE 248											201	#12	#12	#12	1/2"	R			.72			
25	RECEPTACLES - OFFICE 247											201	#12	#12	#12	1/2"	R	.72			26	RECEPTACLES - OFFICE 250											201	#12	#12	#12	1/2"	R	.72					
27	RECEPTACLES - OFFICE 249											201	#12	#12	#12	1/2"	R		.72		28	RECEPTACLES - OFFICE 252											201	#12	#12	#12	1/2"	R		.72				
29	RECEPTACLES - OFFICE 251											201	#12	#12	#12	1/2"	R			.72	30	RECEPTACLES - ROOMS J200, 254, 259											201	#12	#12	#12	1/2"	R			.72			
31	RECEPTACLES - OFFICE 253											201	#12	#12	#12	1/2"	R	.72			32	DOOR POWER SUPPLIES 201, 201, 202											201	#12	#12	#12	1/2"	C	.9					
33	RECEPTACLES - SURRV OFFICE 255											201	#12	#12	#12	1/2"	R		1.08		34	SPARE											201	-	-	-	-	-	-	-	-	-		
35	RECEPTACLES - OFFICE 257											201	#12	#12	#12	1/2"	R			.72	36	SPARE											201	-	-	-	-	-	-	-	-	-		
37	RECEPTACLES - OFFICE 262											201	#12	#12	#12	1/2"	R	.72			38	SPARE											201	-	-	-	-	-	-	-	-	-		
39	RECEPTACLES - OFFICE 260											201	#12	#12	#12	1/2"	R		.72		40	SPARE											201	-	-	-	-	-	-	-	-	-		
41	RECEPTACLES - OFFICE 263											201	#12	#12	#12	1/2"	R			.72	42	SPARE											201	-	-	-	-	-	-	-	-	-		
43	RECEPTACLES - OFFICE 261											201	#12	#12	#12	1/2"	R	.72			44	SPARE											201	-	-	-	-	-	-	-	-	-		
45	RECEPTACLES - OFFICE 258											201	#12	#12	#12	1/2"	R			.72	46	SPARE											201	-	-	-	-	-	-	-	-	-		
47	RECEPTACLES - MECHANICAL M201											201	#12	#12	#12	1/2"	R			.72	48	SPARE											201	-	-	-	-	-	-	-	-	-		
49	RECEPTACLES - ROOMS T200, T201, T202, T203											201	#12	#12	#12	1/2"	R	.72			50	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
51	RECEPTACLES - CORRIDOR C201											201	#12	#12	#12	1/2"	R		.54		52	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
53	RECEPTACLES - UPPER LOBBY 200											201	#12	#12	#12	1/2"	R			.72	54	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
55	SPARE											201	-	-	-	-	-	-	-	-	56	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
57	SPARE											201	-	-	-	-	-	-	-	-	58	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
59	SPARE											201	-	-	-	-	-	-	-	-	60	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
61	SPARE											201	-	-	-	-	-	-	-	-	62	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
63	SPARE											201	-	-	-	-	-	-	-	-	64	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
65	SPARE											201	-	-	-	-	-	-	-	-	66	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
67	SPD											303	#10	#10	#10	3/4"	N	.03			68	SPACE ONLY											-	-	-	-	-	-	-	-	-	-		
69	SPD											-	#10	-	-	-	-	N		.03		70	SPACE ONLY											-	-	-	-	-	-	-	-	-	-	
71	SPD											-	#10	-	-	-	-	N			.03		72	SPACE ONLY											-	-	-	-	-	-	-	-	-	-
PHASE LOAD TOTALS																										11.19	11.37	10.83																
LOADS (KVA)												CONNECTED	DEMAND FACTOR	DEMAND	LOADS (KVA)												CONNECTED	DEMAND FACTOR	DEMAND															
LIGHTING												0	1.25	0	KITCHEN EQUIPMENT												0	1.0	0															
REC TO 10 KVA												10	1.0	10	CONTINUOUS												.9	1.25	1.13															
REC REMAINING												22.4	0.5	11.2	NON-CONTINUOUS												.09	1.0	.09															
SPACE HEATING												0	0.0	0	DEMAND												0	1.0	0															
AIR CONDITIONING												0	0	0													0	1.0	0															
NON-SEASONAL MOTORS												0	1.0	0																														
LARGEST MOTOR												0	0.25	0																														
WATER HEATING												0	1.0	0																														
															TOTAL CONNECTED LOAD												33.4	KVA	92.8	AMPS														
															MIN. FEEDER / PANEL CAPACITY												22.4	KVA	62.3	AMPS														
															OVERALL DEMAND FACTOR												0.67																	