

ATTACHMENT S.3

VIRGINIA RAILWAY EXPRESS

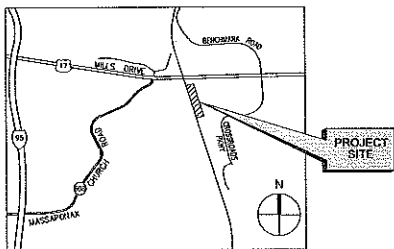
NORTHERN VIRGINIA TRANSPORTATION COMMISSION
 POTOMAC AND RAPPAHANNOCK TRANSPORTATION COMMISSION



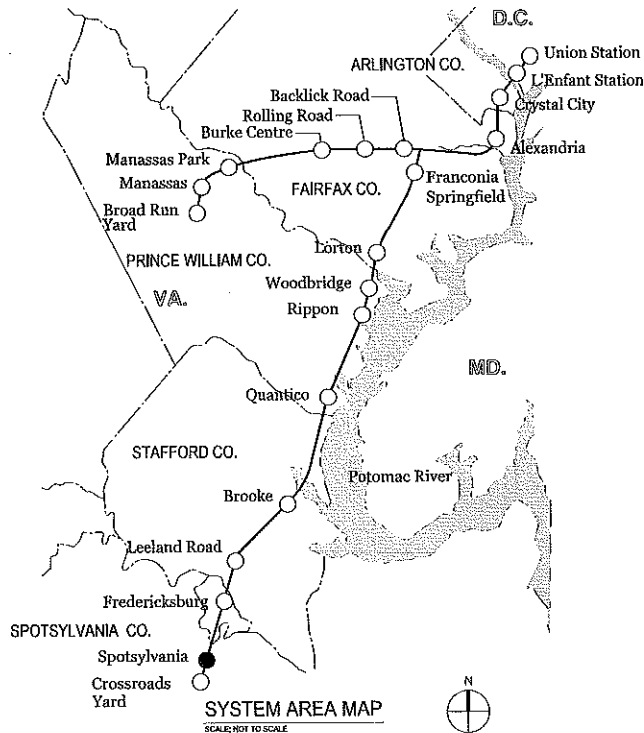
100% SUBMITTAL

SPOTSYLVANIA STATION

9442 Crossroads Parkway
 Fredericksburg, VA 22408



VICINITY MAP
 (NOT TO SCALE)



SYSTEM AREA MAP
 SCALE: NOT TO SCALE

LEGEND

- STATION SITE IN CONTRACT
- STATION / YARD SITES NOT IN CONTRACT

SHEET LIST

GENERAL

- G-000 COVER SHEET & DRAWING INDEX
- G-001 PROJECT SUMMARY & CODE ANALYSIS

CIVIL

- C-001 CIVIL SYMBOLS AND NOTES
- C-100 EXISTING CONDITIONS PLAN
- C-101 EXISTING CONDITIONS PLAN
- C-200 PLATFORM LAYOUT PLAN & PROFILE
- C-201 SITE LAYOUT PLAN
- C-202 SITE LAYOUT PLAN
- C-300 GRADING AND DRAINAGE PLAN
- C-301 GRADING AND DRAINAGE PLAN
- C-302 STORM DRAIN PROFILES
- C-400 EROSION AND SEDIMENT CONTROL PLAN
- C-401 EROSION AND SEDIMENT CONTROL PLAN
- C-402 EROSION AND SEDIMENT CONTROL NOTES
- C-500 UTILITY PLAN
- C-501 UTILITY PLAN
- C-600 MISCELLANEOUS DETAILS
- C-601 MISCELLANEOUS DETAILS
- C-602 MISCELLANEOUS DETAILS
- C-603 EROSION AND SEDIMENT CONTROL DETAILS
- C-700 CONSTRUCTION PHASING PLAN
- D-000 PLATFORM SECTIONS
- D-001 PLATFORM SECTIONS
- D-002 PLATFORM SECTIONS
- D-003 PLATFORM SECTIONS
- D-004 PLATFORM SECTIONS
- D-005 PLATFORM SECTIONS
- D-006 PLATFORM SECTIONS

ARCHITECTURAL

- A-001 LEGENDS, ABBREVIATIONS AND SYMBOLS
- A-002 ADA COMPLIANCE
- A-101 KEY PLAN
- A-102 HEADHOUSE FLOOR PLAN
- A-201 ROOF PLAN
- A-301 EXTERIOR ELEVATIONS
- A-302 EXTERIOR ELEVATIONS
- A-401 BUILDING SECTIONS
- A-402 CANOPY SECTIONS
- A-501 INTERIOR ELEVATIONS
- A-502 REFLECTED CEILING PLAN
- A-701 CEILING DETAILS
- A-702 ROOF & CANOPY DETAILS
- A-800 DETAILS
- A-900 DOOR DETAILS & WALL TYPES
- A-900 GRAPHICS DETAILS

STRUCTURAL

- S-100 GENERAL STRUCTURAL NOTES
- S-101 FOUNDATION & TRANSFER KEY PLAN
- S-200 FLOOR & FOUNDATION PLAN
- S-300 ELEVATION & ROOF PLAN
- S-310 WALKWAY CANOPY SECTION & DETAILS
- S-300 PLATFORM DETAILS
- S-301 TYPICAL SLAB DETAILS
- S-302 TYPICAL DETAILS
- S-300 PLATFORM CANOPY SECTION & DETAILS

PLUMBING

- P-101 SCHEDULES, DETAILS, LEGEND, AND SOIL PLAN PLUMBING
- P-102 HEADHOUSE FLOOR PLAN PLUMBING

MECHANICAL (HVAC)

- M-101 HEADHOUSE FLOOR PLAN MECHANICAL

ELECTRICAL

- E-001 ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES
- E-010 ONE LINE DIAGRAM & SCHEMATIC
- E-011 PANEL, SCHEDULES & CONTROL DIAGRAM
- E-100 ELECTRICAL SITE PLAN
- E-201 ELECTRICAL STATION PLAN
- E-202 ELECTRICAL HEAD HOUSE FLOOR PLAN
- E-300 ELECTRICAL DETAILS & LIGHTING SCHEDULE
- E-400 PHOTOGRAPHIC ANALYSIS

LANDSCAPE

- L-100 LANDSCAPE PLAN
- L-101 LANDSCAPE DETAILS

APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			STV Incorporated 2722 Merrifield Drive, Suite 350 Fairfax, Virginia 22031	SPOTSYLVANIA STATION COVER SHEET & DRAWING INDEX	FIG. NO. 013-013
						DRAWING NO. G-000 SCALE: NONE SHEET NO. 1 OF 66					
APPROVED BY COUNTY						CHECKED BY:					
						DATE:					

CODE & STANDARDS

THE WORK OF THIS PROJECT SHALL COMPLY WITH 2009 VIRGINIA UNIFORM STATEWIDE BUILDING CODE "VUSBC" WHICH INCLUDES THE ADOPTED AND AMENDED VERSIONS OF THE FOLLOWING:

- 2009 IBC INTERNATIONAL BUILDING CODE
- 2009 IPC INTERNATIONAL PLUMBING CODE
- 2009 IMC INTERNATIONAL MECHANICAL CODE
- 2009 IECC INTERNATIONAL ENERGY CONSERVATION CODE
- 2009 IFGC INTERNATIONAL FUEL GAS CODE
- 2008 NEC NATIONAL ELECTRICAL CODE
- 2009 SFPC VIRGINIA STATEWIDE FIRE PREVENTION CODE
- 2003 ICC/ANSI A117.1 ACCESSIBILITY STANDARDS
- 2010 NFPA 130: STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEMS

THE CONTRACTOR SHALL COMPLY WITH ALL RAILROAD (CSXT & VRE), LOCAL, STATE AND FEDERAL SAFETY AND ENVIRONMENTAL REGULATIONS.

CONTRACTOR IS REQUIRED TO PROVIDE TRAFFIC CONTROL PLAN, STAGING PLAN, WORK AREA SAFETY AND SECURITY PLAN.

DESIGN SPECIFICATIONS AS FOLLOWS:

PROJECT/ CODE SUMMARY

1. DESCRIPTION:

THE WORK WILL CONSIST OF THE CONSTRUCTION OF A NEW HEADHOUSE BUILDING WITH SUPPORTING TOILET AREAS AND RAIL PLATFORM, TO BE LOCATED NEAR THE EXISTING VIRGINIA RAIL EXPRESS (VRE) RAIL YARD.

WORK INCLUDES SITE DEVELOPMENT OF NEW UTILITY CONNECTIONS FOR DOMESTIC WATER, SANITARY SEWER, STORM DRAIN, ELECTRICAL LIGHTING.

2. OWNER NAME:

CROSSROADS ASSOCIATES LLC
C/O LESTER DEVELOPMENT CORPORATION
PO BOX 4991
MARTINSVILLE, VA 24115

3. TOTAL SITE AREA: 102.71 ACRES
DISTURBED SITE = ± 4.7 ACRES

4. TAX MAP NUMBER: 37-A-41A

5. ZONING: I-1

FRONT SETBACK: 40'-0"
SIDE SETBACKS: 10'-0"
REAR SETBACKS: 20'-0"
MAX. LOT AREA: NONE
FLOOR AREA RATIO: 1.0
MAX. HEIGHT: 40'-0"
HEIGHT PROPOSED: 23'-6" A.F.F. (DIFFERS FROM BLDG. CODE DETERMINATION)

LANDSCAPING:

REQUIRED: MAINTAIN 10 % TREE CANOPIES OF THE ENTIRE SITE (20 YEAR LEVEL)
EXISTING: N/A
PROVIDED: N/A
TRANSITIONAL
SCREENING: N/A

PARKING LOT LANDSCAPING BY SEPARATE CONTRACT

6. OCCUPANCY USE / GROUP:

"U" PLATFORM AND TOILETS

7. TYPE OF CONSTRUCTION:

5B

8. BUILDING AREA:

HEADHOUSE (GROSS): 1,176 SF
AREA MODIFICATIONS : N/A
FLOOR AREA RATIO: 0.0003

9. INCIDENTAL USE AREAS (IBC TABLE 508):

NO INCIDENTAL USES OCCUR.

10. NUMBER OF LEVELS:

"U": 1 = 1 BASIC ALLOWABLE

11. BUILDING HEIGHT:

"U": 23'-6" < 40' BASIC ALLOWABLE

NO HEIGHT MODIFICATIONS REQUIRED.

12. CONSTRUCTION FIRE RESISTANCE (IBC TABLE 601):

STRUCTURAL FRAME: 0 HR
BEARING WALLS, EXTERIOR 0 HR
BEARING WALLS, INTERIOR 0 HR
NON BEARING WALLS, EXTERIOR 0 HR
NON BEARING WALLS, INTERIOR 0 HR
FLOORS 0 HR
ROOF 0 HR

13. PROTECTION OF EXTERIOR WALLS (IBC TABLE 602):

U OCC. NORTH ELEVATION > 30' = 0 HR
EAST ELEVATION > 30' = 0 HR
SOUTH ELEVATION > 30' = 0 HR
WEST ELEVATION > 30' = 0 HR

14. ALLOWABLE AREA OF OPENINGS (IBC 705.8):

UNPROTECTED/NON-SPRINKLERED:
NORTH ELEVATION > 30' NO LIMIT
EAST ELEVATION > 30' NO LIMIT
SOUTH ELEVATION > 30' NO LIMIT
WEST ELEVATION > 30' NO LIMIT

PROTECTED: NONE PROPOSED

15. FIRE SPRINKLER REQUIREMENTS (IBC 903):

IBC 903.2.11 - NOT REQUIRED

16. STANDPIPE REQUIREMENTS (IBC 905):

NOT APPLICABLE

17. FIRE EXTINGUISHERS (IBC 906):

NOT APPLICABLE

18. EGRESS (SEE CODE/EGRESS PLAN FOR MORE INFO):

NOT APPLICABLE

19. ACCESSIBILITY:

PER VUSBC CHAPTER 11, AND ICC/ANSI A117.1

20. PLUMBING FIXTURES (PER IPC TABLE 403.1):

NONE REQUIRED

21. ROOF DRAIN CALCULATIONS :



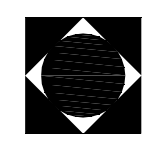
AREA:
HEADHOUSE: 1395 SF
WALKWAY: 740 SF
PLATFORM CANOPY 3748 SF

GENERAL NOTES

1. WORK ON THIS STRUCTURE REQUIRES WORKING WITH AN EXISTING CSXT & VRE RIGHT OF WAY. EVERY EFFORT HAS BEEN MADE TO IDENTIFY DISCREPANCIES AND ENSURE THAT THE DETAILS ARE DEPICTED CORRECTLY. THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION AVAILABLE. HOWEVER, SINCE THIS IS AN EXISTING R.O.W., THE CONTRACTOR CAN EXPECT AND SHOULD PLAN ON ENCOUNTERING VARIANCES AND DEVIATIONS BETWEEN THE INFORMATION FOUND IN THESE DRAWINGS AND EXISTING SITE CONDITIONS. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS IN CONSTRUCTION DETAILS AND QUANTITIES. DRAWING SCALES THAT ARE SHOWN ON THE PROJECT PLANS ARE TO BE CONSIDERED AS BEING APPROXIMATE AND SHALL NOT BE RELIED UPON FOR PURPOSES OF PREPARING BIDS, ORDERING AND FABRICATING MATERIALS, NOR CALCULATING MEASUREMENT FOR PAYMENT. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DETAILS INCLUDING GEOMETRY AND ELEVATIONS PRIOR TO THE FABRICATION AND INSTALLATION OF ANY MATERIAL. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, OR AUTHORIZED REPRESENTATIVE, COPIES OF FIELD SURVEYS AND VERIFICATIONS FOR INCLUSION INTO THE CONSTRUCTION RECORDS FOR THE PROJECT.
2. THE CONTRACTOR SHALL COMPLY WITH ALL RAILROAD (CSXT & VRE), LOCAL, STATE, AND FEDERAL SAFETY AND ENVIRONMENTAL REGULATIONS.
3. CONTRACTOR TO COMPLY WITH ALL NOISE ORDINANCES, IF APPLICABLE
4. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TRANSPORTATION AND SERVICES NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES, REGULATIONS, AND THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL NOT CONDUCT MAJOR ACTIVITIES OFF SITE THAT WILL PRODUCE NOISE, DUST, ACCESS INTERFERENCE, OR OTHER IMPACTS TO OPERATIONS DURING WEEKDAY RUSH HOURS PRIOR TO 8 A.M. OR AFTER 5 P.M.
6. THE CONTRACTOR SHALL SCHEDULE ALL ACTIVITIES SUCH THAT DISRUPTIONS TO VRE, AMTRAK, AND CSXT OPERATIONS ARE MINIMIZED. WEEKEND AND NIGHT WORK SHOULD BE EXPECTED.
7. THE CONTRACTOR SHALL SUBMIT A DETAILED PROGRESS SCHEDULE AND SEQUENCING PLAN A MINIMUM OF 30 DAYS PRIOR TO THE START OF WORK.
8. THE CONTRACTOR SHALL COORDINATE LOCATION AND SCHEDULE OF STAGING AREAS WITH VRE.
9. THE CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN A MINIMUM OF 30 DAYS PRIOR TO THE START OF WORK.
10. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL/ENGINEER DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE AND AT NO ADDITIONAL EXPENSE THE THE OWNER OR ARCHITECT/ENGINEER.
11. REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION SHALL BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESET ANY SIGN POSTS OR OTHER APPURTENANCES REMOVED DURING THE CONSTRUCTION TO FACILITATE HIS WORK, EXCEPT WHERE SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
13. SPECIAL NOTICE TO CONTRACTORS: ALL CONTRACTORS PERFORMING WORK ON THE PREMISES SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING A REASONABLE AND PRUDENT SAFETY PROGRAM INCLUDING BUT NOT LIMITED TO THE ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER THE GENERAL PUBLIC, VISITORS AND STAFF OF THE OWNER.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED BY GOVERNING JURISDICTIONS THAT HAVE NOT ALREADY BEEN OBTAINED BY VRE.
15. THE CONTRACTOR SHALL USE REASONABLE AND NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF VRE COMMUTERS IF THE NORTH PLATFORM IS PUT INTO SERVICE AFTER COMPLETION OF PHASE 1.

RAILROAD (CSXT & VRE) COORDINATION

1. TEMPORARY CONSTRUCTION CLEARANCES TO BE USED SHALL BE AS SPECIFIED BY THE RAILROAD'S DIVISION MANAGER. CLEARANCES WILL BE COORDINATED THROUGH CSXT CHIEF ENGINEER DESIGN, CONSTRUCTION, AND CAPACITY OR HIS REPRESENTATIVE.
2. THE CONTRACTOR SHALL COORDINATE WITH CSXT & VRE AND OBTAIN APPROVALS PRIOR TO PERFORMING ANY WORK ON OR NEAR THE TRACKS.
3. THE CONTRACTOR WILL BE REQUIRED TO ACQUIRE RIGHT OF ENTRY AGREEMENT WITH CSXT & VRE PRIOR TO WORKING ON THEIR RIGHT OF WAY. CSXT MAY TAKE UP TO 60 DAYS TO ISSUE.
4. THE CONTRACTOR MUST COORDINATE CONSTRUCTION ACTIVITIES WITH CSXT & VRE. FLAGGING SERVICES MAY TAKE UP TO 45 DAYS TO OBTAIN. FLAGMEN ARE PROVIDED BASED ON AVAILABILITY. THERE ARE NO GUARANTEES THAT A FLAGMAN WILL BE PROVIDED IN THE TIME LISTED.
5. THE CONTRACTOR SHALL MAINTAIN CONTACT WITH THE CSXT FLAGMAN AND FOLLOW HIS INSTRUCTIONS AT ALL TIMES.
6. VRE WILL SCHEDULE AND PAY FOR FLAGMEN.
7. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND RAILROAD SIGNALS AND FOR MAINTAINING THE UTILITIES AND RAILROAD SIGNALS THROUGHOUT THE DURATION OF THE PROJECT, UNLESS NOTED OTHERWISE.

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: AWP				STV Incorporated 2722 Merrilee Drive, Suite 350 Fairfax, Virginia 22031	IFB NO: 013-013
		10/11/12			30% SUBMITTAL	DRAWN BY: KEF					DRAWING NO: G-001
		11/21/12			60% SUBMITTAL	CHECKED BY: AWP					SCALE: NONE
APPROVED BY COUNTY		01/11/13			90% SUBMITTAL	DATE: 03/27/13				SHEET NO: 2 OF 66	
		03/27/13			ISSUE FOR BID						

SPOTSYLVANIA STATION

PROJECT SUMMARY
& CODE ANALYSIS

GENERAL NOTES

- CONSTRUCTION ACCESS AND ACTIVITIES SHALL AT NO TIME BLOCK OR RESTRICT REGULAR OPERATIONS WITHIN CSX RIGHT-OF-WAY.
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE A COMPILATION OF SURVEY AND BEST AVAILABLE RECORDS. THEY ARE NOT GUARANTEED. CONTRACTOR SHALL TEST PIT AND PHYSICALLY FIELD VERIFY LOCATION OF ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT MISS UTILITY AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK OR CONSTRUCTION WORK WITHIN THE VICINITY OF PUBLIC UTILITY LINES IN THE PROJECT LIMITS.
- ANY DAMAGE TO UTILITIES OR PROPERTY AS A RESULT OF CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION SHALL BE REPAIRED AND/OR RESTORED IN KIND TO A CONDITION EQUAL OR BETTER THAN EXISTING AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.
- ANY DISTURBED AREAS NOT PAVED OR LANDSCAPED SHALL RECEIVE 2" MINIMUM TOPSOIL, SEEDING OR PERMANENTLY STABILIZED AS NOTED ON THESE PLANS.
- REFER TO VIRGINIA EROSION AND SEDIMENTATION CONTROL STANDARDS FOR DETAILS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO PRE-CONSTRUCTION CONDITION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS REQUIRED BY GOVERNING JURISDICTIONS THAT HAVE NOT ALREADY BEEN OBTAINED BY VRE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL CURRENT REQUIREMENTS OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION, VIRGINIA EROSION AND SEDIMENT CONTROL MANUAL, SPOTSYLVANIA COUNTY, AND OTHER REFERENCES AS NOTED ON THE PLANS.
- THE CONTRACTOR SHALL PERFORM ALL WORK IN A MANNER THAT WILL INSURE THE SAFETY OF THE GENERAL PUBLIC AND EMPLOYEES OF THE CONTRACTOR, ETC.
- REFER TO THE VIRGINIA DEPARTMENT OF TRANSPORTATION'S 2007 ROAD AND BRIDGE SPECIFICATION.
- CONTRACTOR IS RESPONSIBLE FOR GRADING AND EXCAVATION TO INCLUDE ALL WORK FOR THE PLATFORM CONSTRUCTION INCLUDING INSTALLATION OF TRACK UNDERDRAIN AND GRADING REQUIRED TO TIE TO EXISTING GRADE. SEE CROSS SECTIONS AND DETAILS FOR MORE INFORMATION.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ADJACENT TRACKWORK, SPOTSYLVANIA PARK AND RIDE LOT CONSTRUCTION, AND RELOCATION OF UTILITIES BY OTHERS.

APPENDIX C

SOLID WASTE NOTE:
ALL REFUSE MUST BE DISPOSED OF AT COUNTY-APPROVED DISPOSAL SITES.

FLOOD PLAIN NOTE:
NO PORTION OF THE LAND HEREON IS LOCATED IN THE F.I.R.M. 100-YEAR SPECIAL FLOOD AREA ZONE "A", AS INDICATED ON MAP #5103080225C DATED FEBRUARY 18, 1998. HOWEVER, THIS LAND IS LOCATED IN ZONE "X" (AREAS OUTSIDE OF THE 500-YEAR FLOODPLAIN).

RPA NOTES:
CHESAPEAKE BAY PRESERVATION ACT (CBPA) IS AN OVERLAY DISTRICT FOR THE ENTIRE SPOTSYLVANIA COUNTY AND THE PARCEL DESCRIBED WITHIN THIS PLAN LIES WITHIN THE RMA FEATURES AND DOES NOT CONTAIN RPA FEATURES WITHIN THE CHESAPEAKE BAY PRESERVATION AREA OVERLAY DISTRICT.

CONSTRUCTION WASTE NOTE:
PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, ALL STOCKPILED MATERIALS, INCLUDING BUT NOT LIMITED TO STUMPS, BRUSH, AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PROPERTY AND DISPOSED OF IN ACCORDANCE WITH CHAPTER 19 OF THE COUNTY CODE (SOLID WASTE) OR ANY OTHER STATE OR FEDERAL REGULATIONS.

LANDSCAPE NOTE:
PRIOR TO DEVELOPMENT, THE BOUNDARIES OF THE CONSTRUCTION FOOTPRINT SHALL BE CLEARLY MARKED ON THE PROPERTY AND SUITABLE PROTECTIVE BARRIERS SHALL BE ERECTED FIVE (5) FEET OUTSIDE OF THE DRIP LINE OF ANY TREE OR STAND OF TREES TO BE PRESERVED WITHIN 100 FEET OF THE CONSTRUCTION FOOTPRINT. THE BARRIERS SHALL REMAIN ERECTED THROUGHOUT ALL PHASES OF CONSTRUCTION. THE STORAGE OF EQUIPMENT, MATERIALS, DEBRIS, OR FILL SHALL NOT BE ALLOWED WITHIN THE AREA PROTECTED BY THE BARRIER. REQUIRED LANDSCAPE MATERIAL, PLANTING, AND MAINTENANCE OF BEST MANAGEMENT PRACTICES SHALL CONFORM TO CHAPTER 6A OF THE SPOTSYLVANIA COUNTY CODE.

BUILDING OFFICE NOTICE:
A SEPARATE PERMIT REVIEW AND APPROVAL WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION OF ALL RETAINING WALLS, LIGHTING, FREE STANDING SIGNS, AND ALL PROPOSED STRUCTURES

E&S FIELD MEASURES NOTE:
ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS FIELD CONDITIONS WARRANT.

TRANSPORTATION NOTE:
A SEPARATE PERMIT REVIEW AND APPROVAL IS REQUIRED THROUGH VIRGINIA DEPARTMENT OF TRANSPORTATION PRIOR TO ANY CONSTRUCTION OF ALL ROAD NETWORK AND ENTRANCES. VDOT APPROVAL IS REQUIRED FOR WORK IN

THE RIGHT-OF-WAY.

SEEDING NOTE:
CONTRACTOR SHALL SEED OR MULCH ALL DENUDED OR DISTURBED AREAS IN ACCORDANCE WITH VIRGINIA EROSION & SEDIMENT CONTROL REGULATIONS STANDARDS MS-1, MS-2, & MS-3.

DEMOLITION NOTE:
A SEPARATE DEMOLITION PERMIT IS REQUIRED.

SIGNAGE NOTE:
A SEPARATE SIGN PERMIT IS REQUIRED.

CONSTRUCTION/DEMOLITION MATERIALS NOTE:
NO BURNING OF CONSTRUCTION OR DEMOLITION MATERIALS ON SITE.

PASS NOTE:
DUE TO RECENT FINDINGS OF POSSIBLE ACID SULFATE SOILS (PASS) WITHIN SPOTSYLVANIA COUNTY, IT IS RECOMMENDED THAT THE DEVELOPER, BUILDERS AND ENGINEERS BE AWARE THAT IF ACID SULFATE SOILS AS WELL AS OTHER SOILS THAT PRODUCE A PH OF <4 ARE PRESENT ON THE PROJECT SITE EXTENSIVE TREATMENT TO BRING THE SOILS ACID/PH LEVEL TO AN ACCEPTABLE LEVEL TO SUSTAIN ANY FORM OF PLANT GROWTH MAY BE REQUIRED.

LEGEND

- EXISTING RAILROAD CENTERLINE
- EXISTING 1' CONTOUR
- ELECTRICAL EQUIPMENT
- ELECTRIC METER
- RAIL SIGNAL POLE
- EXISTING PLANTATION PIPELINE
- EXISTING FIBER OPTIC LINE
- EXISTING ELECTRICAL LINE
- EXISTING WATERLINE
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- LIMITS OF CONSTRUCTION
- PROPOSED SANITARY SEWER
- PROPOSED WATERLINE
- PROPOSED ELECTRIC LINE
- PROPOSED 1' CONTOUR
- FUTURE 1' CONTOUR (GRADING BY OTHERS)
- TEMPORARY 1' CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED INLET
- PROPOSED MANHOLE OR JUNCTION BOX
- KEYED NOTE
- EROSION CONTROL MEASURE
- PROPOSED UNDERDRAIN
- PROPERTY LINE

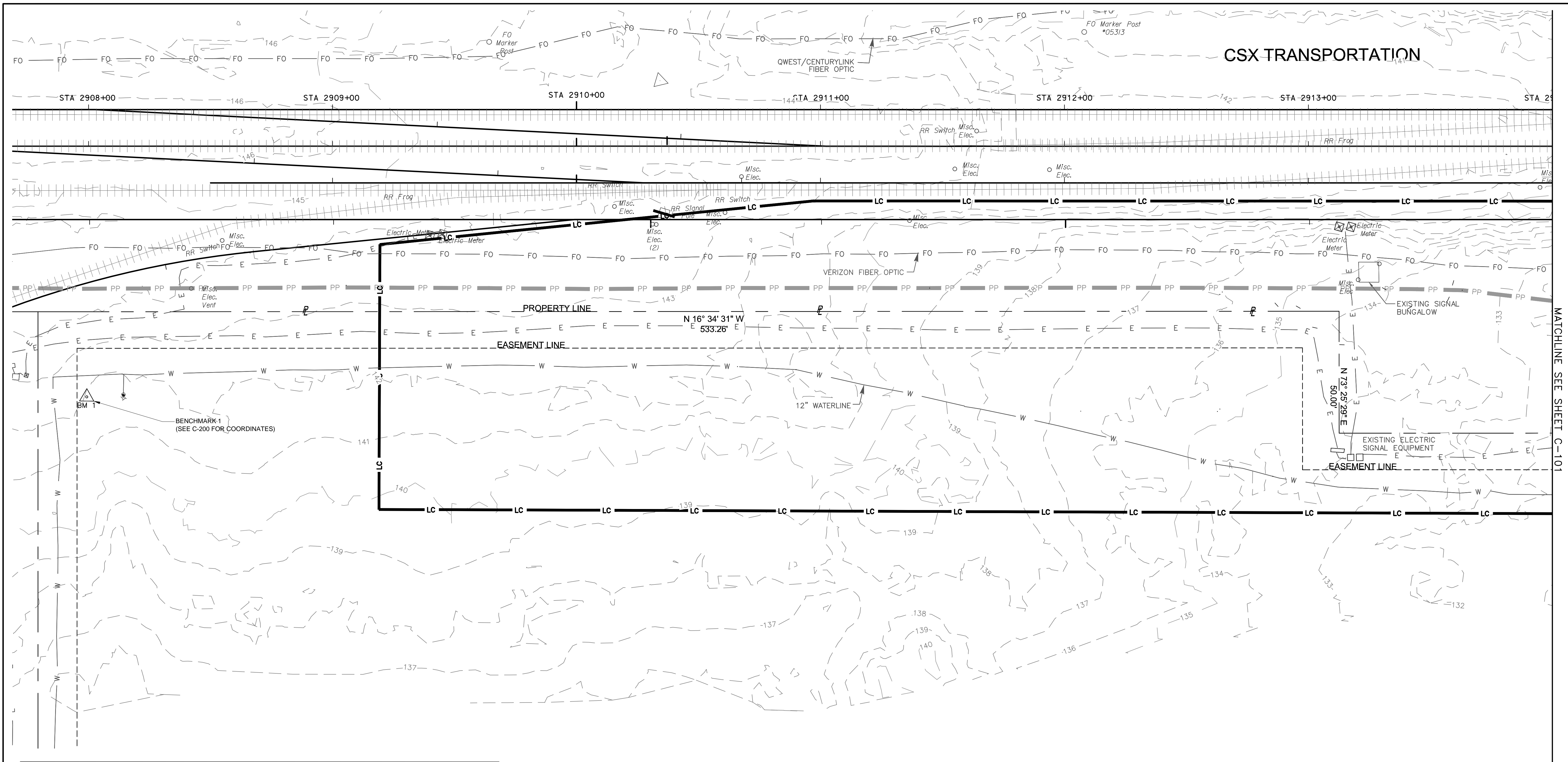
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		01/11/13			90% SUBMITTAL	JSN
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						AWP
						DATE:
						03/27/13

COMMONWEALTH OF VIRGINIA
Christopher Dale KOCHER
Lic. No. 047992
3/27/13
PROFESSIONAL ENGINEER

RAILWAY VIRGINIA EXPRESS

STV Incorporated
2722 Merrilee Drive, Suite 350
Fairfax, Virginia 22031

SPOTSYLVANIA STATION	IFB NO: 013-013
CIVIL SYMBOLS AND NOTES	DRAWING NO: C-001
	SCALE: NONE
	SHEET NO: 3 OF 66



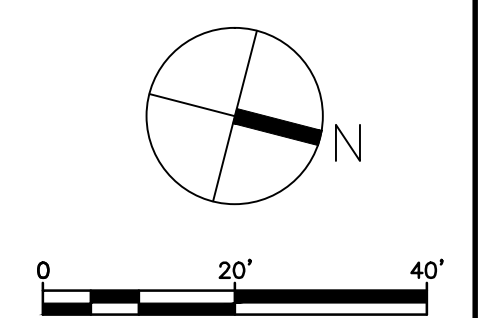
CSX TRANSPORTATION

MATCHLINE SEE SHEET C-101

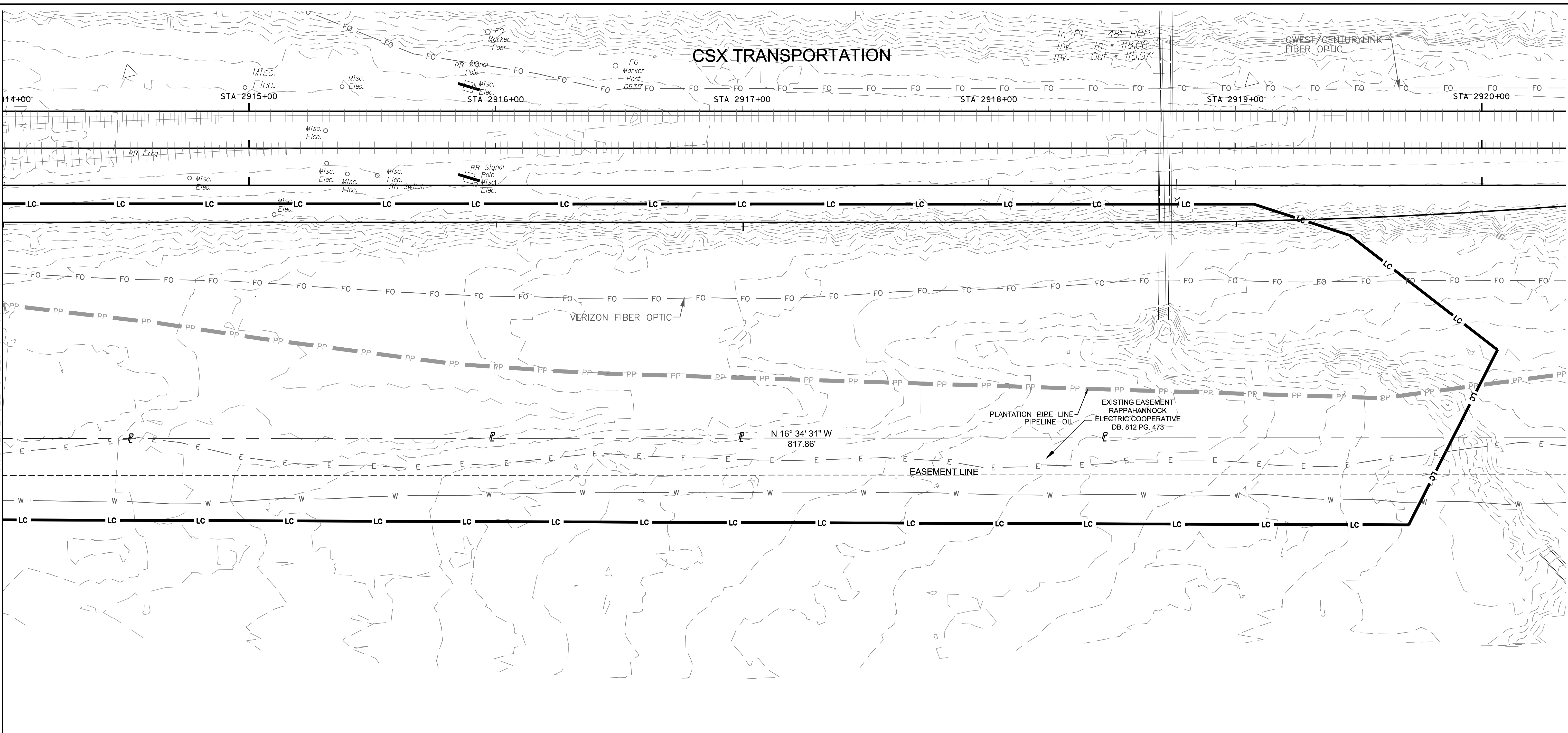
NOTES

PARCEL TAX MAP ID: 47-41A
 CURRENT USE: VACANT
 PROPOSED USE: TRAIN STATION (VRE)

THIS PROJECT IS LOCATED APPROXIMATELY 0.4 MILES SOUTHWEST OF THE INTERSECTION OF CROSSROADS PARKWAY AND MILLS DR.



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION EXISTING CONDITIONS PLAN	IFB NO:
		10/11/12			30% SUBMITTAL	CDK					013-013
		11/21/12			60% SUBMITTAL	DRAWN BY: JSN					DRAWING NO: C-100
		01/11/13			90% SUBMITTAL	CHECKED BY: AWP					SCALE: 1" = 20'
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE: 03/27/13				SHEET NO: 4 OF 66	

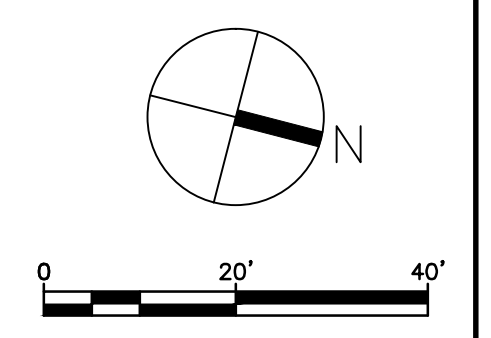


MATCHLINE SEE SHEET C-100

NOTES

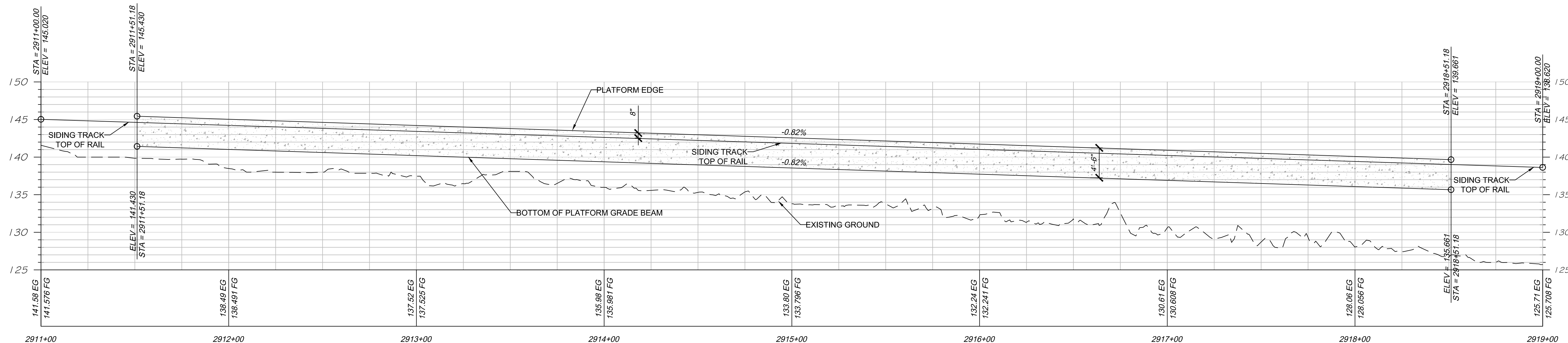
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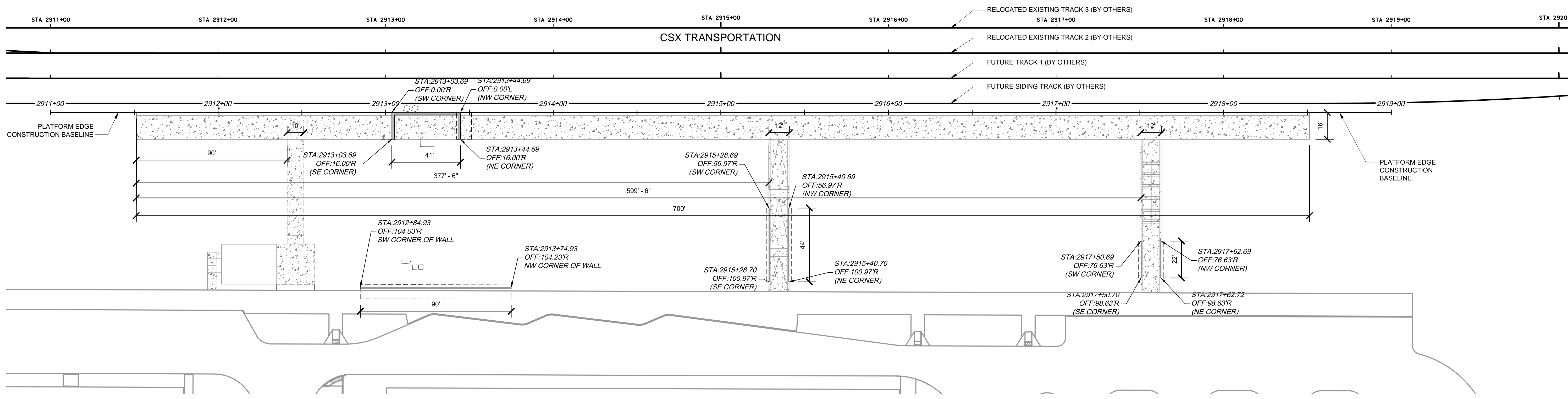


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APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:				SCALE:	
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						DATE:				SHEET NO:	
						03/27/13				5 OF 66	

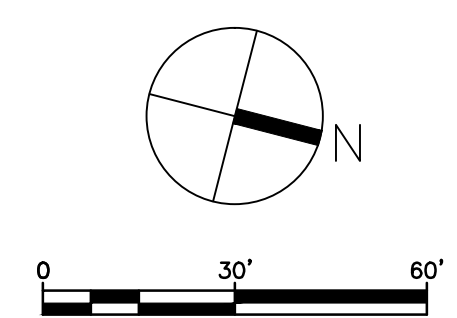
2722 Merrilee Drive, Suite 350
 Fairfax, Virginia 22031



PROFILE VIEW OF PROPOSED PLATFORM EDGE
SCALE: 1"=30' H; 1"=7.5' V



LAYOUT NOTES:
 HORIZONTAL DATUM: UTM, ZONE 18
 VERTICAL DATUM: NAD 83
 BENCHMARKS:
 BM 1: 13887627.685 N, 939630.621 E
 BM 2: 13888883.125 N, 939363.539 E
 BASELINE DATA:
 STA 2911+00: 13887566.540 N, 939588.737 E
 BASELINE BEARING: N14°23'17.74"W



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	CDK
		11/21/12			60% SUBMITTAL	DRAWN BY: JSN
		01/11/13			90% SUBMITTAL	CHECKED BY: AWP
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE: 03/27/13

DESIGNED BY: CDK
 DRAWN BY: JSN
 CHECKED BY: AWP
 DATE: 03/27/13



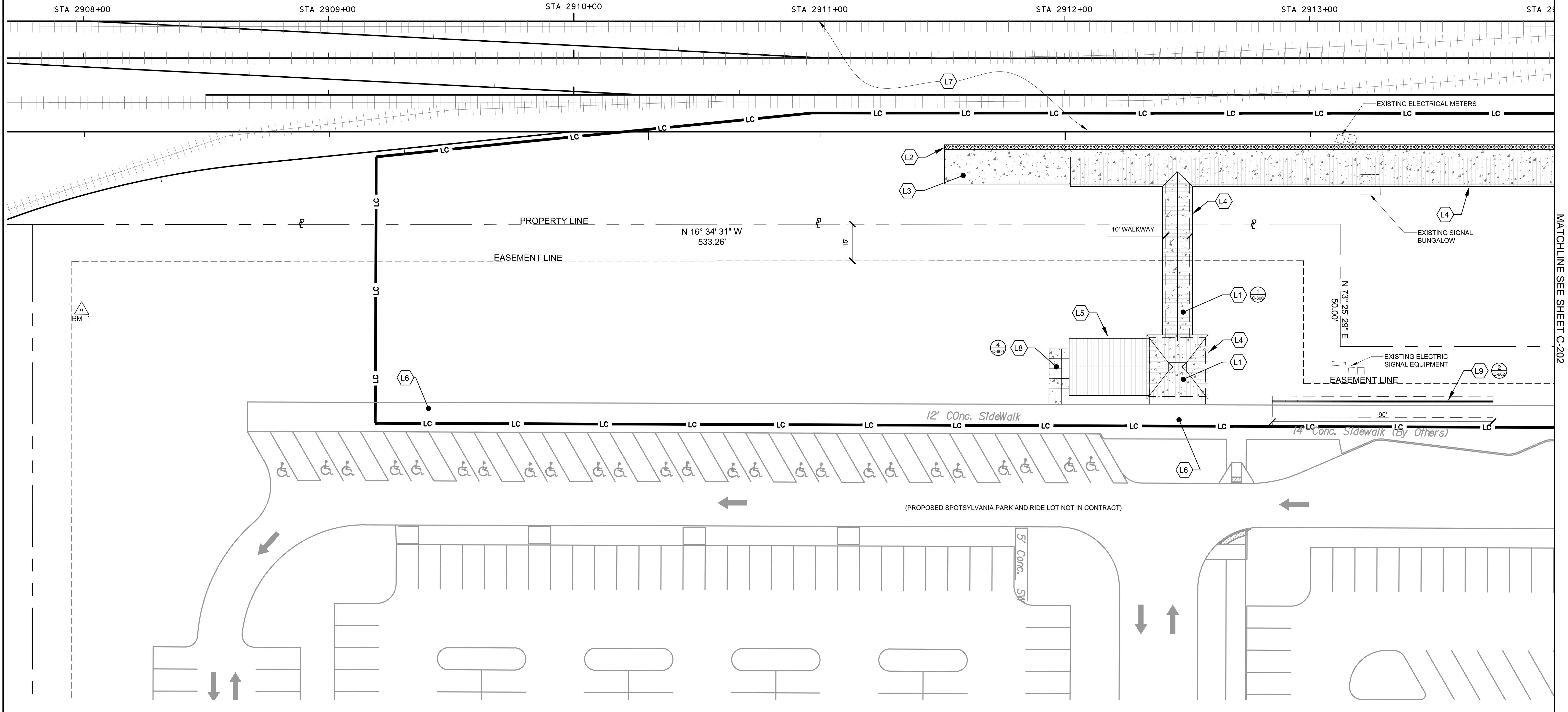
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SPOTSYLVANIA STATION

**PLATFORM LAYOUT
 PLAN & PROFILE**

IFB NO:	013-013
DRAWING NO:	C-200
SCALE:	1" = 30'
SHEET NO:	6 OF 66

CSX TRANSPORTATION



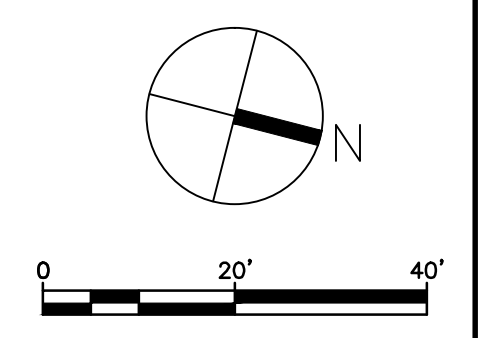
MATCHLINE SEE SHEET C-202

KEYED NOTES

- L1. PROVIDE 6" CONCRETE WALKWAY.
- L2. PROVIDE TACTILE WARNING STRIP (TRUNCATED DOMES).
- L3. PROVIDE 700 LF OF CONCRETE STATION PLATFORM FROM STA: 2911+51.18 TO STA. 2918+51.18 SEE STRUCTURAL PLANS FOR DETAILS.
- L4. PROVIDE OVERHEAD CANOPY. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILS.
- L5. PROVIDE STATION HEADHOUSE. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR DETAILS.
- L6. CONCRETE SIDEWALKS AND RAMPS ALONG EDGE OF PARKING LOT BY OTHERS.
- L7. ALL TRACK WORK AND SIGNAL RELOCATION BY OTHERS.
- L8. PROVIDE 4" CONCRETE WALKWAY. SEE DETAILS.
- L9. PROVIDE 90 LF CONCRETE RETAINING WALL. TOP OF WALL SHALL BE 12" FROM EDGE OF FUTURE SIDEWALK. SEE DETAIL ON SHEET C-602.

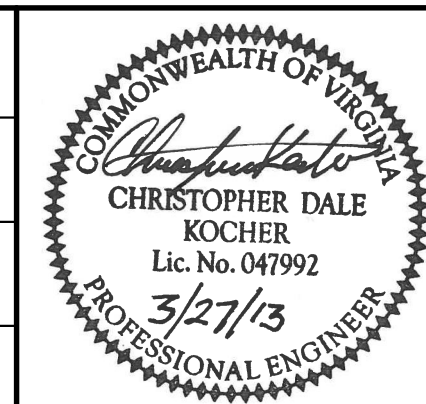
HATCH LEGEND

- TRUNCATED DOMES
- PROPOSED CONCRETE WALKWAY



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
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		11/21/12			60% SUBMITTAL	DRAWN BY: JSN
		01/11/13			90% SUBMITTAL	CHECKED BY: AWP
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DESIGNED BY: CDK
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 CHECKED BY: AWP
 DATE: 03/27/13



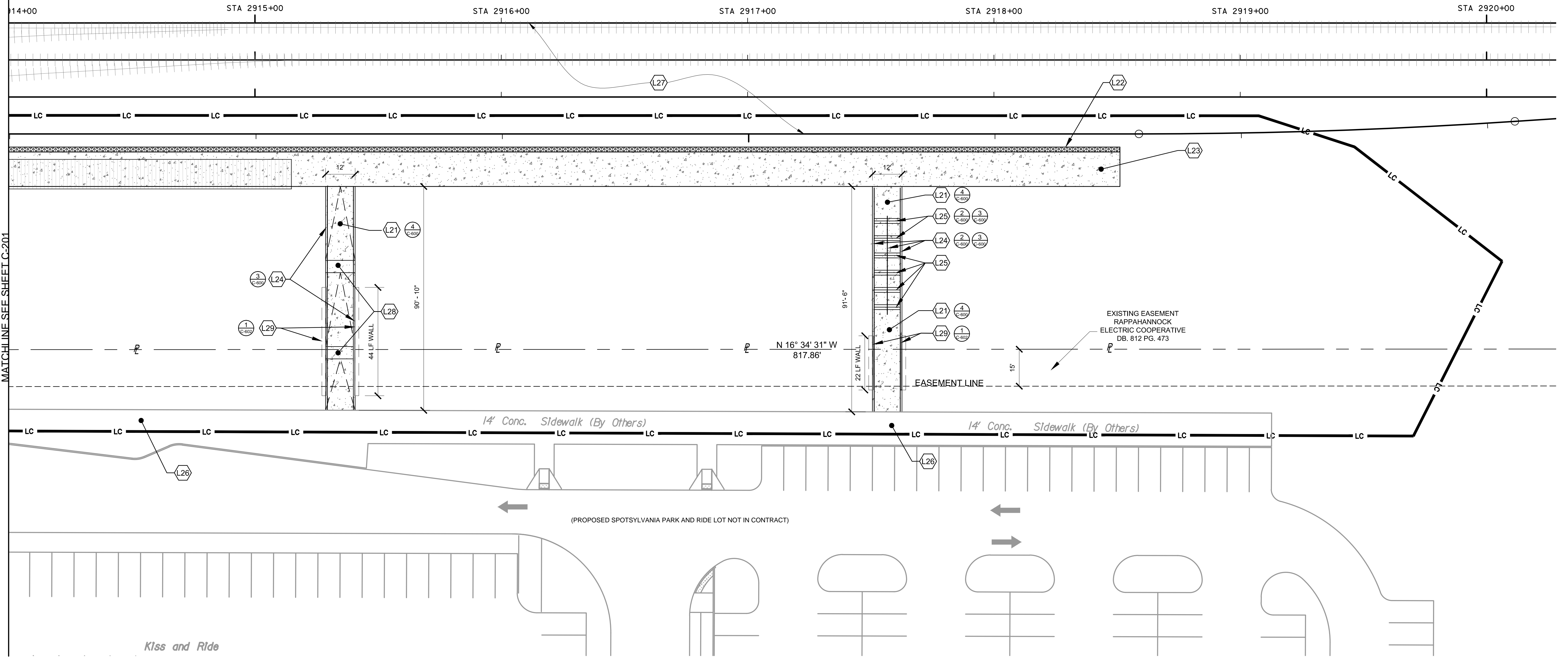
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SPOTSYLVANIA STATION

SITE LAYOUT PLAN

IFB NO:	013-013
DRAWING NO:	C-201
SCALE:	1" = 20'
SHEET NO:	7 OF 66

CSX TRANSPORTATION

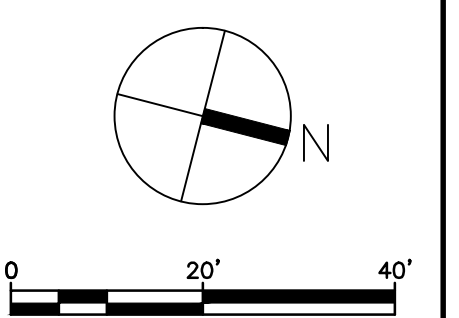


KEYED NOTES

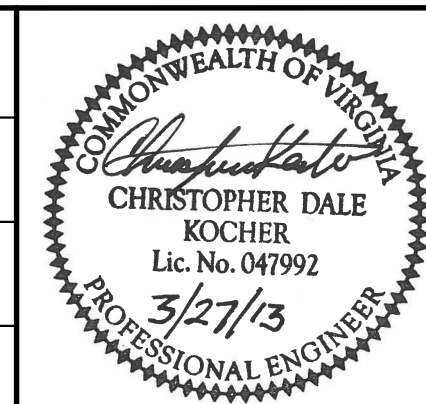
- L21. PROVIDE 4" CONCRETE WALKWAY.
- L22. PROVIDE TACTILE WARNING STRIP (TRUNCATED DOMES).
- L23. PROVIDE 700 LF OF CONCRETE STATION PLATFORM FROM STA: 2911+51.18 TO STA. 2918+51.18. SEE STRUCTURAL PLANS FOR DETAILS.
- L24. PROVIDE ADA COMPLIANT RAILINGS WITH HANDRAILS ALONG OUTSIDE OF ENTIRE CONCRETE WALKWAY LENGTH. PROVIDE CENTER HANDRAILS ALONG STAIRS.
- L25. PROVIDE 3-7" CONCRETE STAIR RISERS WITH HANDRAILS ATTACHED TO RAILINGS.
- L26. CONCRETE SIDEWALKS AND RAMPS BY OTHERS.
- L27. ALL TRACK WORK AND SIGNAL RELOCATION BY OTHERS.
- L28. PROVIDE 5' LANDING, LONGITUDINAL SLOPE = 0%, TRANSVERSE SLOPE = 2%.
- L29. PROVIDE CONCRETE RETAINING WALL STRUCTURE. PROVIDE POSITIVE DRAINAGE AWAY FROM WALL EXCEPT IN SWALE. WALLS SHALL TERMINATE 12" BEHIND EDGE OF FUTURE SIDEWALK BY OTHERS. SEE DETAIL.

HATCH LEGEND

- TRUNCATED DOMES
- PROPOSED CONCRETE WALKWAY



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APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE: 03/27/13



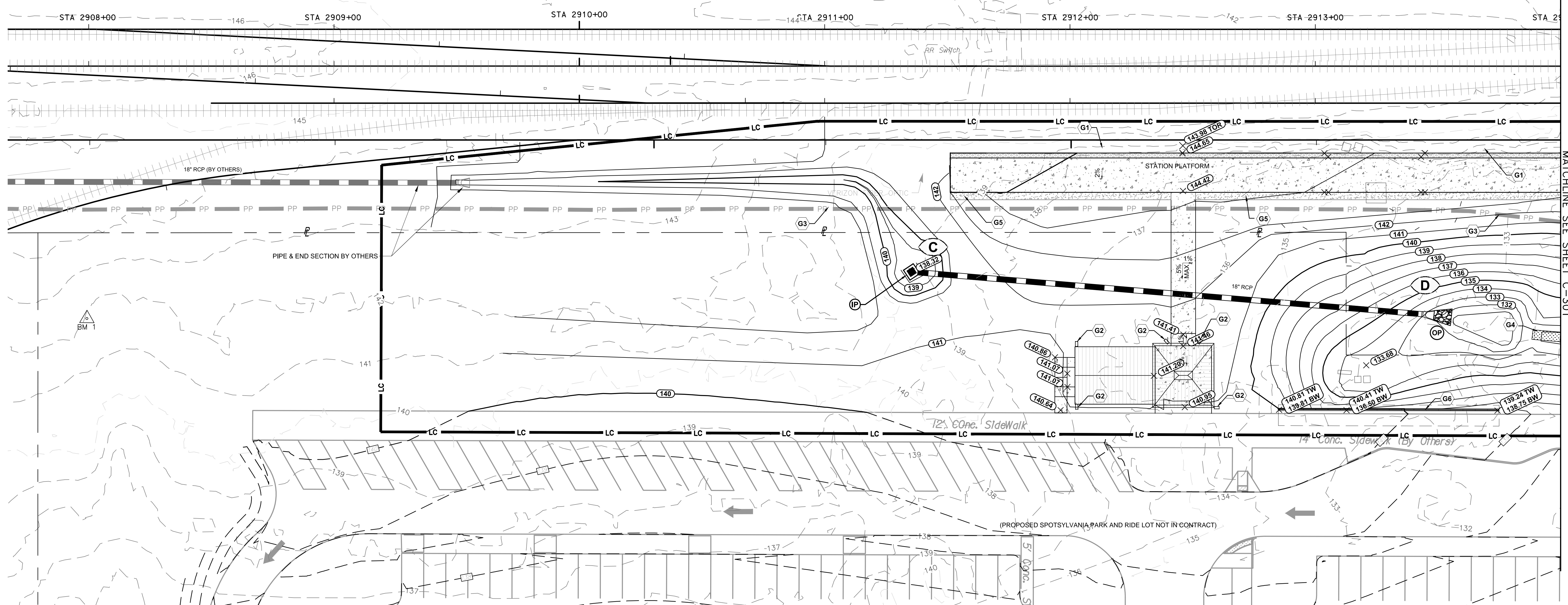
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SPOTSYLVANIA STATION

SITE LAYOUT PLAN

IFB NO:	013-013
DRAWING NO:	C-202
SCALE:	1" = 20'
SHEET NO:	8 OF 66

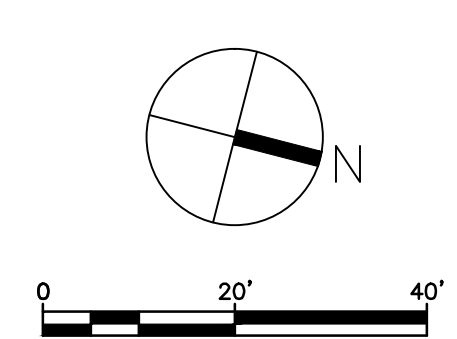
CSX TRANSPORTATION



- ### KEYED NOTES
- G1. PROVIDE 6" PERFORATED PVC UNDERDRAIN FOR BALLAST FRENCH DRAIN.
 - G2. PROVIDE SPLASH BLOCK FOR DOWNSPOUT.
 - G3. CONTRACTOR TO AVOID & PROTECT UTILITY (PLANTATION PIPELINE).
 - G4. CONSTRUCT GRASSED SWALE BMP WITH CHECK DAMS PER VIRGINIA STORMWATER MANAGEMENT HANDBOOK STANDARDS AND SPECIFICATIONS. SEE BMP SCHEDULE FOR DETAILS.
 - G5. PROVE 3' WIDE GRAVEL STRIP FOR CANOPY RUNOFF. USE 6" VDOT #57 STONE AND COORDINATE WITH ARCHITECTURAL PLANS, SHEET A402.
 - G6. PROVIDE REINFORCED CONCRETE RETAINING WALL. SEE DETAIL 2, SHEET C-602.

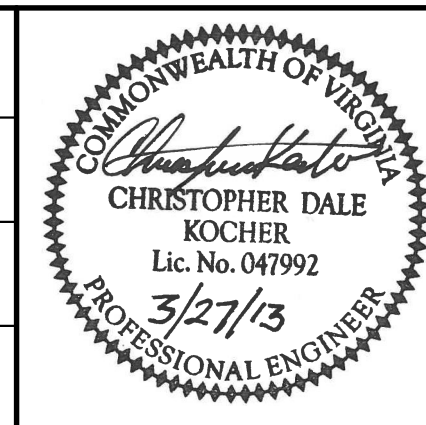
LEGEND

	KEYED NOTE		EXISTING PLANTATION PIPELINE
	STRUCTURE I.D.		EXISTING STORM DRAIN
	PROPOSED STORM DRAIN		UNDERDRAIN
	RIPRAP		PROPOSED MANHOLE
	GRAVEL		PROPOSED INLET
	EXISTING CONTOUR	STANDARD EROSION AND SEDIMENT CONTROL MEASURES	
	PROPOSED CONTOUR		CHECK DAM
	FUTURE CONTOUR (GRADING BY OTHERS)		OUTLET PROTECTION
	LIMITS OF CONSTRUCTION		
	PROPOSED SPOT ELEVATION		



APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

DESIGNED BY:
CDK
DRAWN BY:
JSN
CHECKED BY:
AWP
DATE:
03/27/13



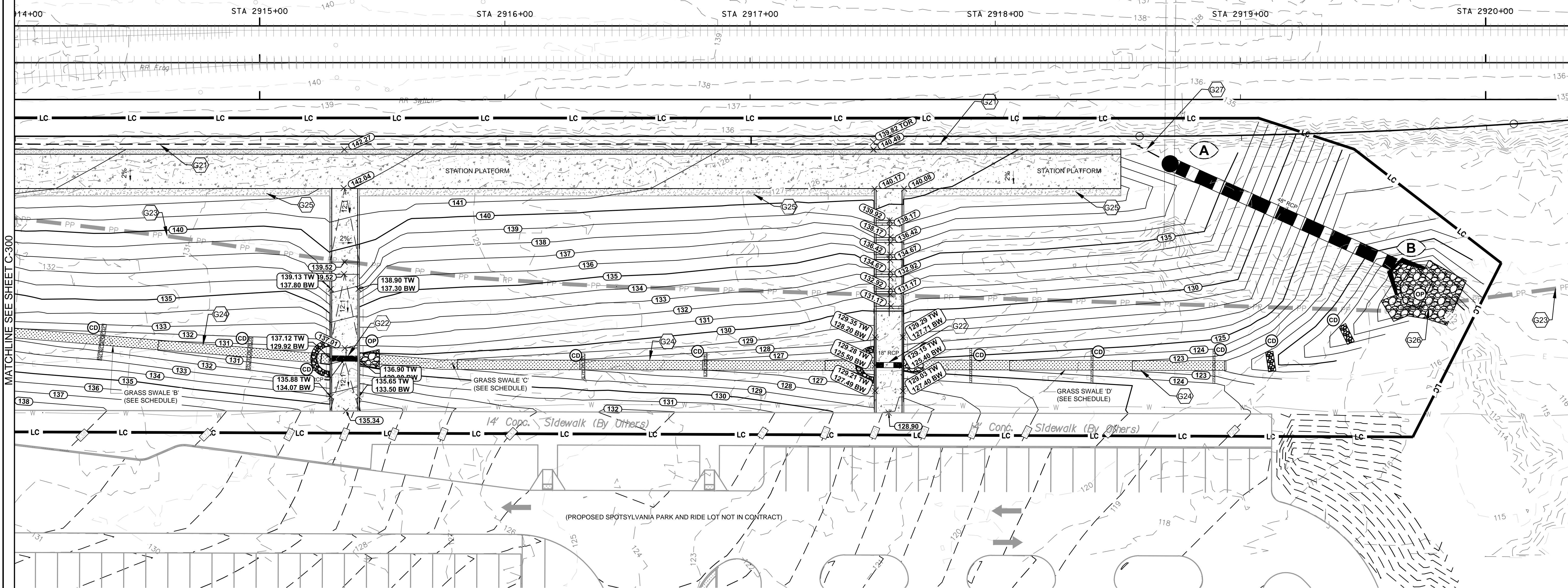
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SPOTSYLVANIA STATION
GRADING AND DRAINAGE PLAN

IFB NO: 013-013
DRAWING NO: C-300
SCALE: 1" = 20'
SHEET NO: 9 OF 66

CSX TRANSPORTATION

In. PL. 48" RCP
 Inv. In = 118.06
 Inv. Out = 115.97



MATCHLINE SEE SHEET C-300

KEYED NOTES

- G21. PROVIDE 6" PERFORATED PVC UNDERDRAIN FOR BALLAST FRENCH DRAIN AND CONNECT TO PROPOSED MANHOLE.
- G22. INSTALL 18" RCP CULVERT THROUGH PEDESTRIAN WALKWAY AND RETAINING WALLS. INSTALL ANTI-SEEP COLLAR AND PIPE CRADLE PER VDOT STANDARD DETAILS FOR SEEPAGE PROTECTION. PIPE ENDS SHALL BE FLUSH WITH RETAINING WALL.
- G23. CONTRACTOR TO AVOID & PROTECT UTILITY (PLANTATION PIPELINE)
- G24. CONSTRUCT GRASSED SWALE WITH CHECK DAMS PER VSWMH STANDARDS AND SPECIFICATIONS. SEE SCHEDULE, THIS SHEET, AND DETAIL, SHEET C-603.
- G25. PROVIDE 3' WIDE GRAVEL STRIP FOR CANOPY RUNOFF. USE 6" VDOT #57 STONE AND COORDINATE WITH ARCHITECTURAL PLANS, SHEET A402.
- G26. INSTALL VDOT STD OUTLET PROTECTION, EC-1 CLASS III TYPE B INSTALLATION (W=12' & L=20'). EXTEND RIPRAP 10' UPHILL OF CONTRIBUTING DITCH INFLOW. INSTALLATIONS SHALL BE IN ACCORDANCE WITH VDOT STANDARDS AND SPECS.
- G27. TIE 6" PERFORATED PVC UNDERDRAIN TO PROPOSED MANHOLE.

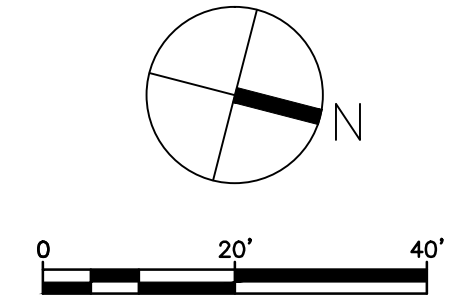
LEGEND

	KEYED NOTE		PROPOSED SPOT ELEVATION
	STRUCTURE I.D.		EXISTING PLANTATION PIPELINE
	PROPOSED STORM DRAIN		EXISTING STORM DRAIN
	RIPRAP OUTLET PROTECTION		UNDERDRAIN
	GRAVEL		PROPOSED MANHOLE
	EXISTING CONTOUR		PROPOSED INLET
	PROPOSED CONTOUR		STANDARD EROSION AND SEDIMENT CONTROL MEASURES
	FUTURE CONTOUR (GRADING BY OTHERS)		OUTLET PROTECTION
	LIMITS OF CONSTRUCTION		CHECK DAM

I.D.	TYPE	TOP EL	INV IN	INV OUT
A	VDOT STD JB-1 w/SAFETY SLAB	139.22	115.98 (W)	115.88
B	VDOT STD EW-2	119.73	114.98 (S)	
C	VDOT STD DI-1	138.67		134.00
D	VDOT STD ES-1	135.33	133.00 (S)	

SWALE I.D.	X	Y	Z
B	18"	15"	4'
C	15"	12"	4'
D	12"	10"	4'

SEE DETAIL SHEET C-603



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

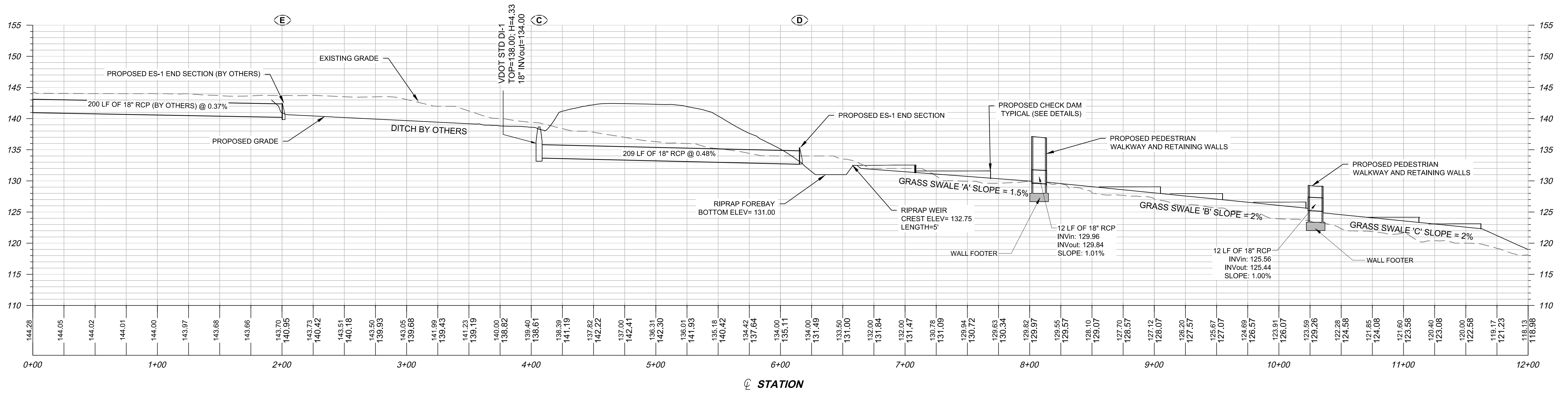
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JSN
 CHECKED BY:
AWP
 DATE:
03/27/13



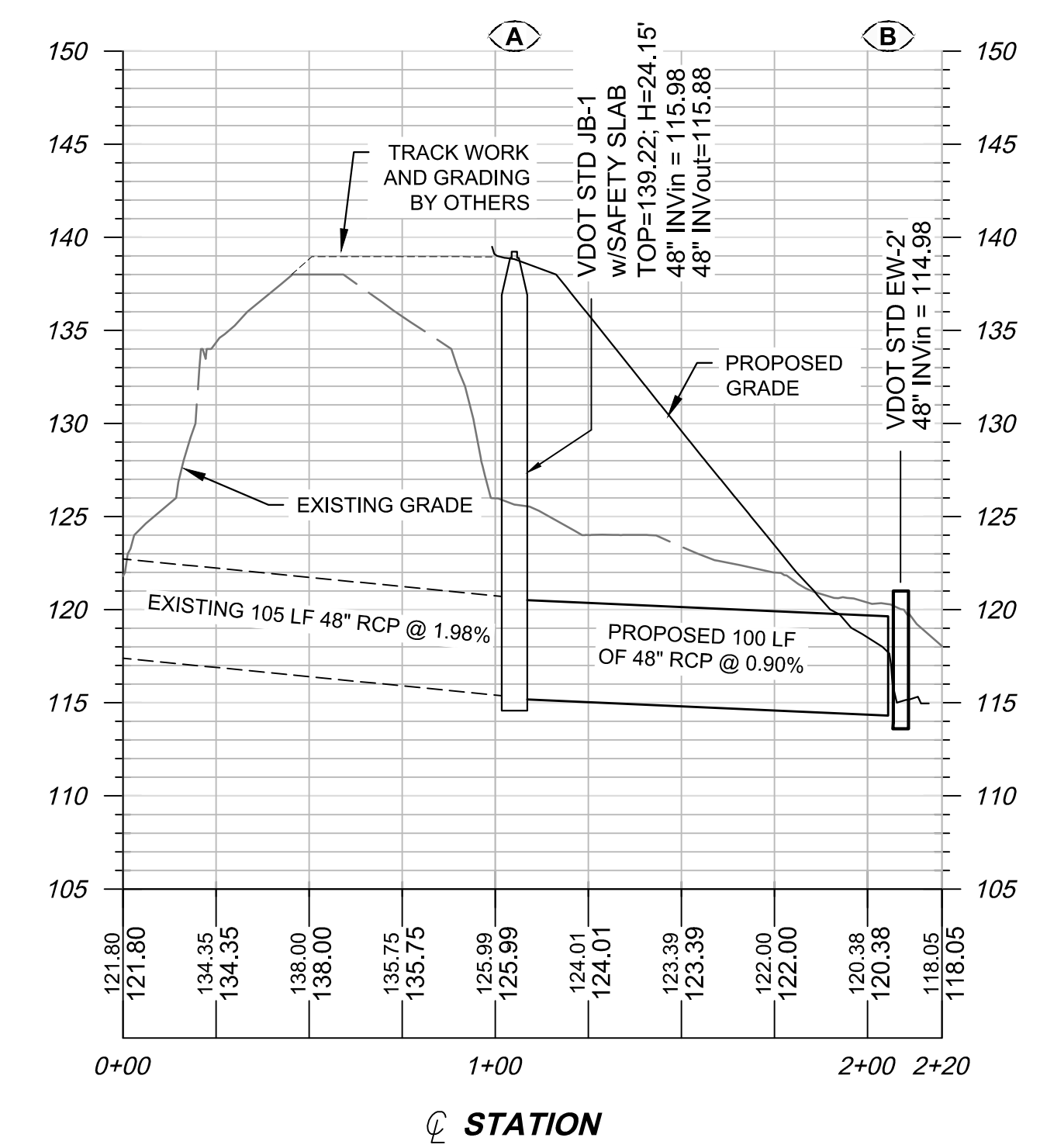
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SPOTSYLVANIA STATION
GRADING AND DRAINAGE PLAN

IFB NO:	013-013
DRAWING NO:	C-301
SCALE:	1" = 20'
SHEET NO:	10 OF 66



PROFILE VIEW OF GRASSED SWALES AND CULVERTS
SCALE: 1"=40' H; 1"=8' V

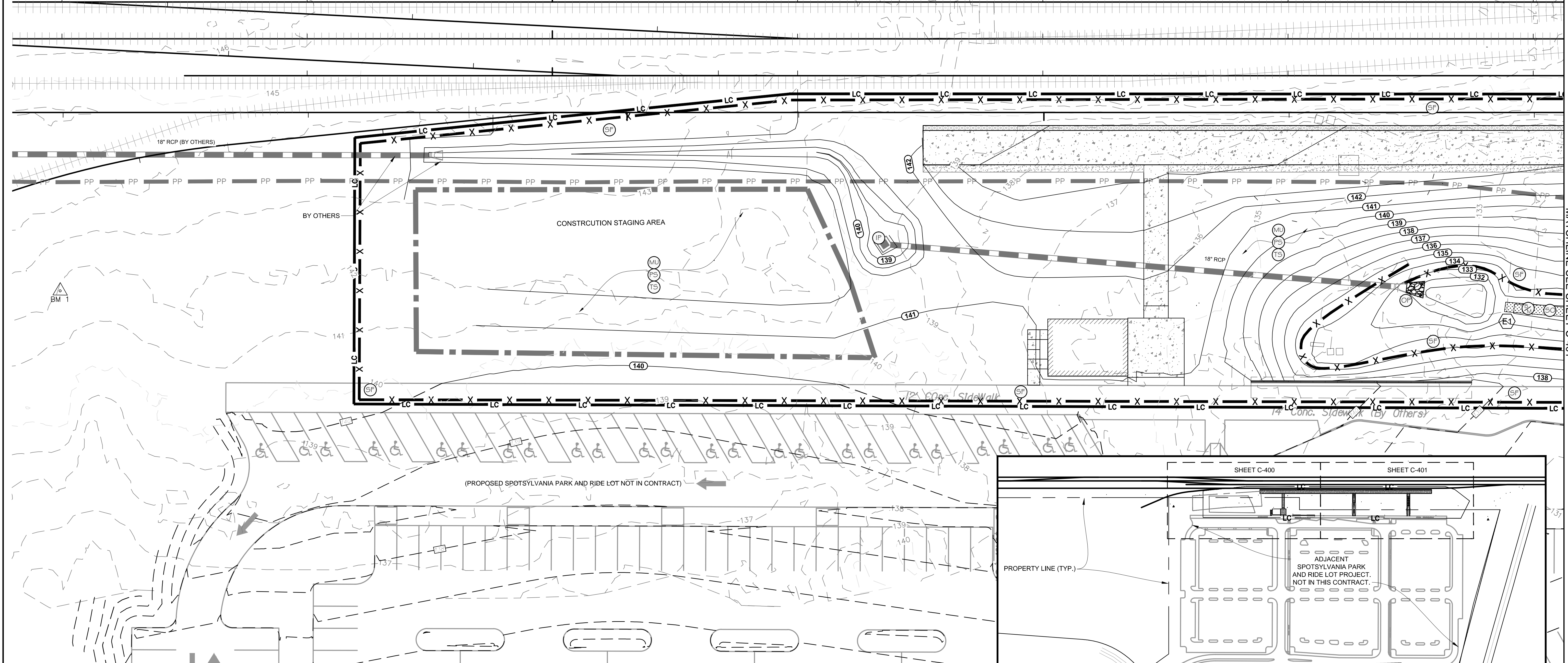


PROFILE VIEW OF PROPOSED STORM DRAIN
SCALE: 1"=40' H; 1"=8' V

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION STORM DRAIN PROFILES	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	DRAWN BY:					DRAWING NO:	C-302
		11/21/12			60% SUBMITTAL	CHECKED BY:					SCALE:	AS SHOWN
		01/11/13			90% SUBMITTAL	DATE:					SHEET NO:	11 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID							

CSX TRANSPORTATION

STA 2908+00 STA 2909+00 STA 2910+00 STA 2911+00 STA 2912+00 STA 2913+00 STA 2914+00



MATCHLINE SEE SHEET C-401

KEYED NOTES

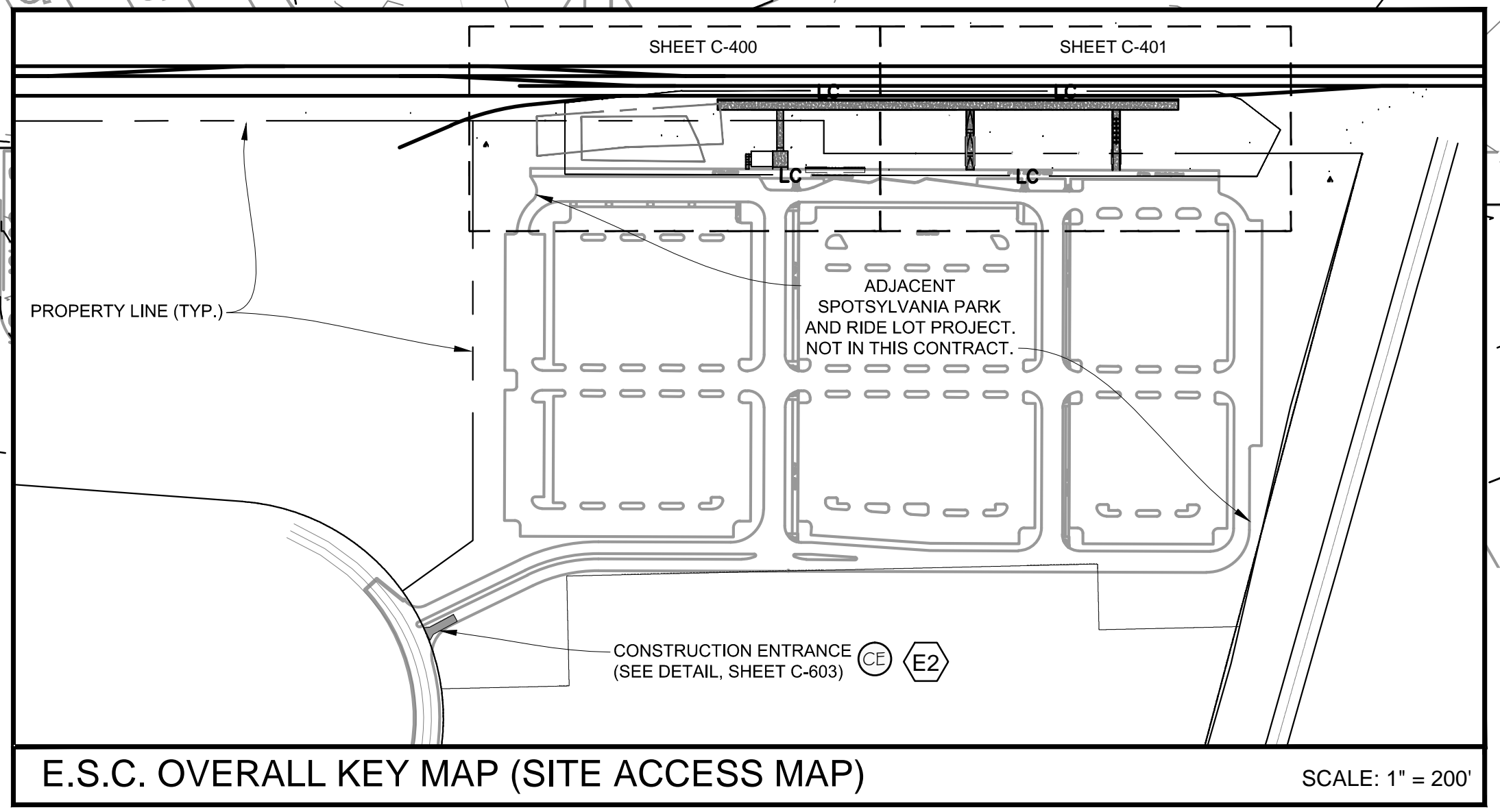
- E1. FINAL SODDING FOR GRASS SWALES SHALL NOT BE INSTALLED UNTIL ALL CONTRIBUTING AREAS HAVE BEEN STABILIZED.
- E2. PROVIDE CONSTRUCTION ENTRANCE AT CROSSROADS PARKWAY AS PART OF THIS CONTRACT. CONTRACTOR SHALL USE WATER TRUCK OR OTHER WATER SOURCE FOR TRUCK WASH.

SEQUENCE OF CONSTRUCTION

1. INSTALL CONSTRUCTION ENTRANCE, (CE).
2. INSTALL SILT FENCE, (SF).
3. CONSTRUCT GRADING AND INSTALL STORM DRAIN. (IP) (OP)
4. INSTALL PERMANENT SEEDING (PS).
5. INSTALL SODDING, CHECK DAMS, AND BMP FINAL VEGETATION (SC).

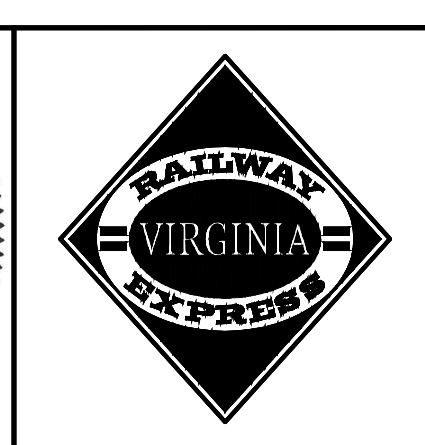
E.S.C. LEGEND

- | | |
|----------------------------|---------------------------|
| (CE) CONSTRUCTION ENTRANCE | (PS) PERMANENT SEEDING |
| (SF) SILT FENCE | (BM) BLANKETS AND MATTING |
| (OP) OUTLET PROTECTION | (SO) SODDING |
| (CD) ROCK CHECK DAMS | (ML) MULCHING |
| (TS) TEMPORARY SEEDING | |
| (IP) INLET PROTECTION | |



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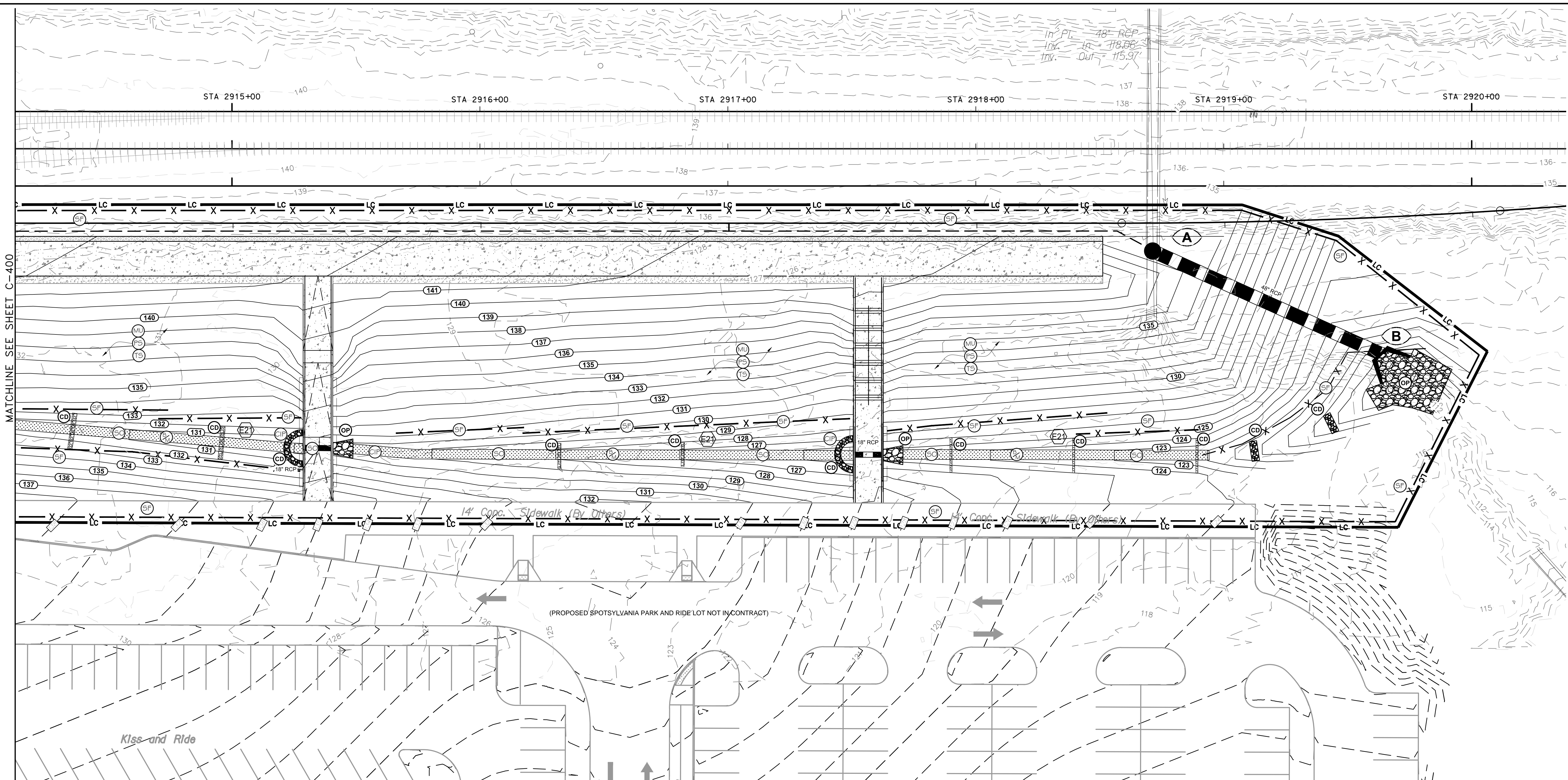


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SPOTSYLVANIA STATION

EROSION AND SEDIMENT CONTROL PLAN

IFB NO:	013-013
DRAWING NO:	C-400
SCALE:	1" = 20'
SHEET NO:	12 OF 66



KEYED NOTES

E21. FINAL SODDING FOR GRASS SWALES SHALL NOT BE INSTALLED UNTIL ALL CONTRIBUTING AREAS HAVE BEEN STABILIZED.

- SEQUENCE OF CONSTRUCTION**
1. INSTALL CONSTRUCTION ENTRANCE (CE).
 2. INSTALL SILT FENCE (SF).
 3. CONSTRUCT GRADING AND INSTALL STORM DRAIN (SD).
 4. INSTALL CULVERT INLET PROTECTION (CIP).
 5. INSTALL PERMANENT SEEDING (PS).
 6. INSTALL SODDING, CHECK DAMS, AND BMP FINAL VEGETATION (EO).

- E.S.C. LEGEND**
- | | |
|--------------------------------|---------------------------|
| (CE) CONSTRUCTION ENTRANCE | (TS) TEMPORARY SEEDING |
| (SF) SILT FENCE | (PS) PERMANENT SEEDING |
| (CIP) CULVERT INLET PROTECTION | (BM) BLANKETS AND MATTING |
| (OP) OUTLET PROTECTION | (SC) SODDING |
| (CD) ROCK CHECK DAMS | (ML) MULCHING |
| (IP) INLET PROTECTION | |

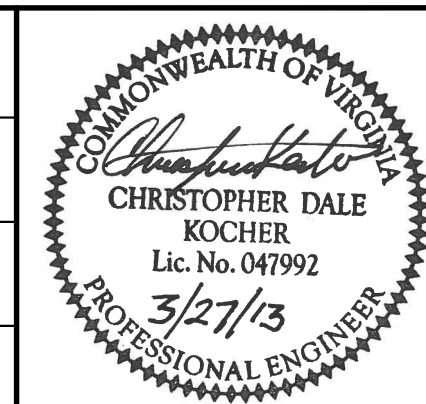
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

DESIGNED BY:
CDK

DRAWN BY:
JSN

CHECKED BY:
AWP

DATE:
03/27/13



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SPOTSYLVANIA STATION

EROSION AND SEDIMENT CONTROL PLAN

IFB NO: 013-013

DRAWING NO: C-401

SCALE: 1" = 20'

SHEET NO: 13 OF 66

PROJECT E&SC NARRATIVE

THE PROJECT IS LOCATED ADJACENT TO CSX MAINLINE TRACK NEAR VRE'S CROSSROADS YARD IN SPOTSYLVANIA COUNTY, VIRGINIA. A NEW VRE STATION WILL BE CONSTRUCTED ONSITE INCLUDING NEW PLATORM, CANOPY AND HEADHOUSE.

THE EXISTING SITE CONSISTS OF AN UNDEVELOPED LOT. THE PROJECT IS IN THE WESTERN PORTION OF THE SITE ADJACENT TO CSX MAINLINE TRACK TO THE WEST, BENCHMARK ROAD TO THE SOUTH, FUTURE VDOT PARKING LOT TO THE EAST AND US ROUTE 17 TO THE NORTH. OFF-SITE FILL AND/OR BORROW AREAS ARE NOT ANTICIPATED. THE AREA OF DISTURBANCE IS NOT CURRENTLY IN USE AND CONSISTS OF DIRT ROADS WITH SOME TREES AND VEGETATION. THE SITE DRAINS TO THE MASSAPONAX CREEK AND THEN ULTIMATELY INTO THE RAPPAHANNOCK RIVER.

SOIL CLASSIFICATION IS DIVIDED INTO TWO CATEGORIES. STRATUM A (FROM 0 FEET TO 5 FEET) IS DESCRIBED AS GENERALLY FIRM, SILTY GRAVEL FILL, MOIST, BLACK, BROWN AND GRAY. STRATUM B (FROM 5 FEET TO 25 FEET) IS DESCRIBED AS GENERALLY FIRM SANDY LEAN CLAY (CL), CLAYEY SAND (SC), POORLY GRADED GRAVEL (GP), MOIST TO WET, BROWN, ORANGE, AND GRAY.

THE EXISTING AREA TO THE NORTH OF THE PROPOSED STATION WILL BE THE MOST CRITICAL AREA IN PRESERVING THE EXISTING SLOPE AND PREVENTING SEDIMENT-LADEN RUNOFF. PERMANENT SEEDING WILL BE PLACED ON THE SLOPE TO PREVENT EROSION AFTER CONSTRUCTION, AND SILT FENCE WILL BE PLACED DOWN SLOPE OF THE PROPOSED BUILDING DURING CONSTRUCTION TO COLLECT SEDIMENT-LADEN RUNOFF. ROCK CHECK DAMS WILL BE UTILIZED IN SWALES TO THE NORTH OF THE PROPOSED STATION. INLET PROTECTION WILL BE PLACED ON OR AROUND ALL STORM INLETS INSIDE OF THE AREA OF DISTURBANCE.




VIRGINIA DCR MINIMUM STANDARD NOTES

1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
2. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
3. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
4. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
5. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
6. SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.
 - a. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE ACRES.
 - b. SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA. THE OUTFALL SYSTEM SHALL, AT A MINIMUM, MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A 25-YEAR STORM OF 24-HOUR DURATION. RUNOFF COEFFICIENTS USED IN RUNOFF CALCULATIONS SHALL CORRESPOND TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED.

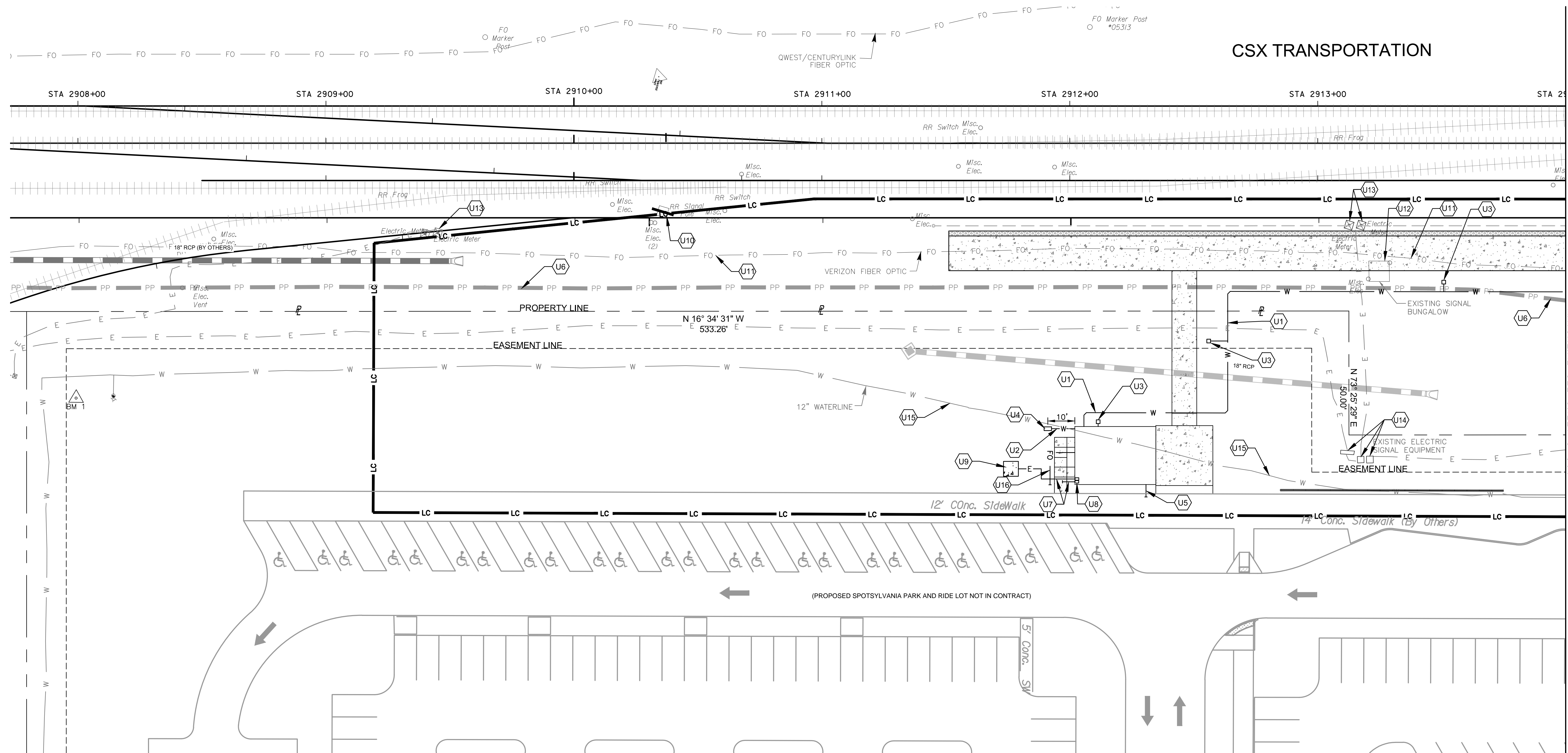
7. CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.
8. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.
9. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.
10. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
11. BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.
12. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.
13. WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.
14. ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.
15. THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.
16. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
 - a. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
 - b. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - c. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF SITE PROPERTY.
 - d. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
 - e. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
 - f. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.
17. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
18. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
19. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER

RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA:

- a. CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED.
- b. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:
 - (1) THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION; OR
 - (2) (a) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS.
 - (b) ALL PREVIOUSLY CONSTRUCTED MAN MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND
 - (c) PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.
- c. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL:
 - (1) IMPROVE THE CHANNELS TO A CONDITION WHERE A TEN YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL BED OR BANKS; OR
 - (2) IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES; OR
 - (3) DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR
 - (4) PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE PLAN-APPROVING AUTHORITY TO PREVENT DOWNSTREAM EROSION.
- d. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.
- e. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT.
- f. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, THEY SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.
- g. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.
- h. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE.
- i. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY.

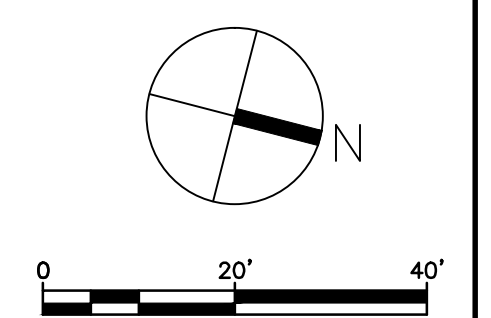
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				STV Incorporated 2722 Merrilee Drive, Suite 350 Fairfax, Virginia 22031	SPOTSYLVANIA STATION	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	CDK						DRAWING NO:	C-402
		11/21/12			60% SUBMITTAL	JSN							
APPROVED BY COUNTY		01/11/13			90% SUBMITTAL	AWP						SHEET NO:	14 OF 66
		03/27/13			ISSUE FOR BID	DATE:							

CSX TRANSPORTATION



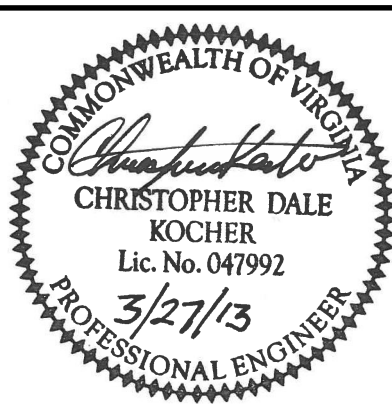
KEYED NOTES

- U1. PROVIDE 1" DUCTILE IRON WATERLINE W/ MECHANICAL JOINTS.
- U2. PROVIDE 2" DUCTILE IRON WATERLINE W/ MECHANICAL JOINTS.
- U3. PROVIDE HOSE BIB. SEE SHEET P-101 & P102 FOR DETAILS.
- U4. PROVIDE 2" WATER METER IN CROCK & BACKFLOW PREVENTER IN UTILITY CLOSET. SEE PLUMBING PLANS FOR DETAILS.
- U5. PROVIDE 4" SCH. 40 PVC SANITARY LINE.
- U6. CONTRACTOR TO AVOID & PROTECT UTILITY (PLANTATION PIPELINE).
- U7. PROVIDE ELECTRICAL CONDUIT. SEE ELECTRICAL PLANS FOR DETAILS.
- U8. PROVIDE NEW ELECTRICAL METER ON EXTERIOR WALL OF ELECTRICAL CLOSET. SEE ELECTRICAL PLANS FOR DETAILS.
- U9. PROVIDE CONCRETE PAD. (TRANSFORMER BY OTHERS).
- U10. EXISTING SIGNAL EQUIPMENT TO REMAIN DURING PHASE 1 OF CONSTRUCTION. WILL BE RELOCATED BY OTHERS AT A FUTURE DATE.
- U11. EXISTING COMMUNICATIONS DUCT BANK. TO BE RELOCATED BY OTHERS.
- U12. EXISTING SIGNAL BUNGALOW TO REMAIN DURING PHASE 1 OF CONSTRUCTION. WILL BE RELOCATED BY OTHERS AT A FUTURE DATE.
- U13. EXISTING ELECTRICAL METERS TO REMAIN DURING PHASE 1 OF CONSTRUCTION. WILL BE RELOCATED BY OTHERS AT A FUTURE DATE.
- U14. EXISTING ELECTRICAL BOXES TO REMAIN. CONTRACTOR TO AVOID & PROTECT AND CONSTRUCT AROUND UTILITY.
- U15. EXISTING 12" WATERLINE TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION OF STATION HEAD-HOUSE AND FRONT RETAINING WALL.
- U16. CONTRACTOR TO INSTALL (2) 4" COMMUNICATIONS CONDUITS. CONNECTION WILL BE MADE FROM PEDESTAL NEAR SITE ENTRANCE AT CROSSROADS PARKWAY PER VERIZON SERVICE AGREEMENT. COORDINATE INSTALLATION WITH SPOTSYLVANIA PARK AND RIDE LOT WORK.



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

DESIGNED BY:
CDK
DRAWN BY:
JSN
CHECKED BY:
AWP
DATE:
03/27/13



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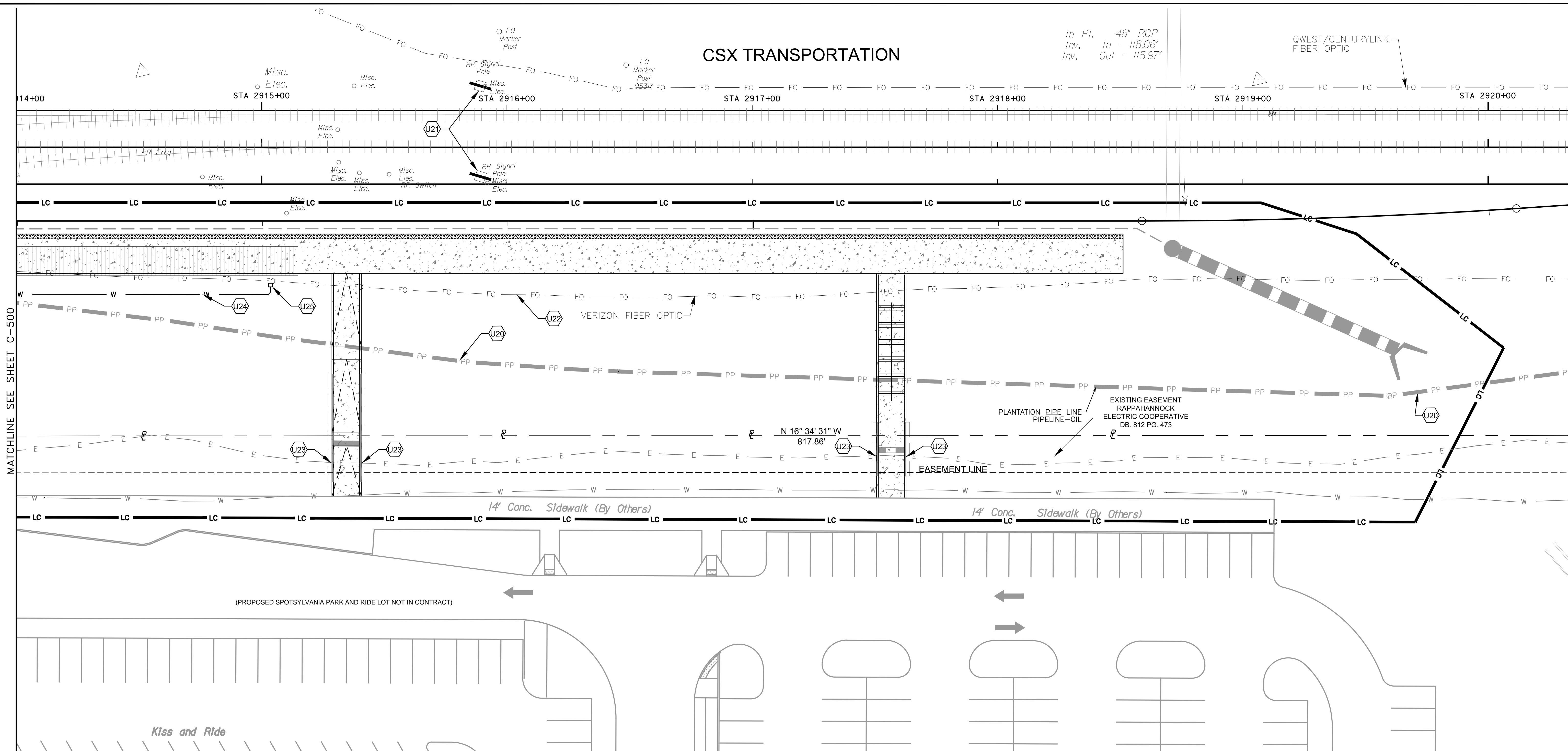
SPOTSYLVANIA STATION
UTILITY PLAN

IFB NO:	013-013
DRAWING NO:	C-500
SCALE:	1" = 20'
SHEET NO:	15 OF 66

CSX TRANSPORTATION

In PI. 48" RCP
 Inv. In = 118.06'
 Inv. Out = 115.97'

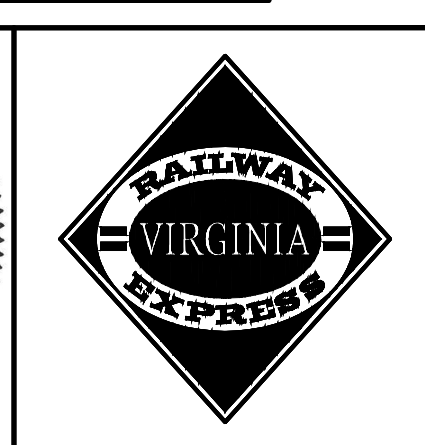
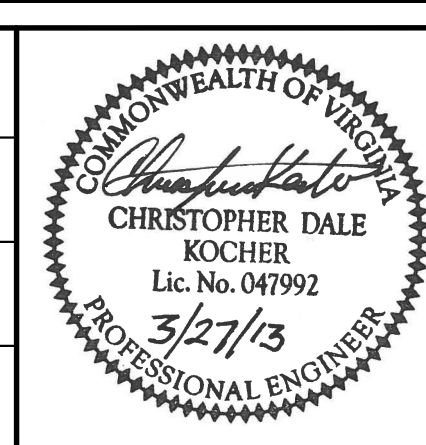
QWEST/CENTURYLINK
 FIBER OPTIC



MATCHLINE SEE SHEET C-500

KEYED NOTES	
U20. CONTRACTOR TO AVOID & PROTECT UTILITY (PLANTATION PIPELINE).	U24. PROVIDE 1" DUCTILE IRON WATERLINE WITH MECHANICAL JOINTS.
U21. EXISTING UTILITIES IMPACTED BY FUTURE TRACKWORK AND GRADING INCLUDING CSX SIGNALS ARE TO BE RELOCATED UNDER SEPARATE CONTRACT.	U25. PROVIDE HOSE BI. SEE P-101 & P-102 FOR DETAILS.
U22. EXISTING COMMUNICATIONS DUCT BANK. TO BE RELOCATED BY OTHERS.	
U23. CONTRACTOR SHALL TEST PIT EXISTING ELECTRICAL LINE IN AREAS OF PROPOSED RETAINING WALL. AN EMPTY CONDUIT CHASE SHALL BE PROVIDED THROUGH THE WALL PER REQUEST OF RAPPAHANNOCK ELECTRIC.	

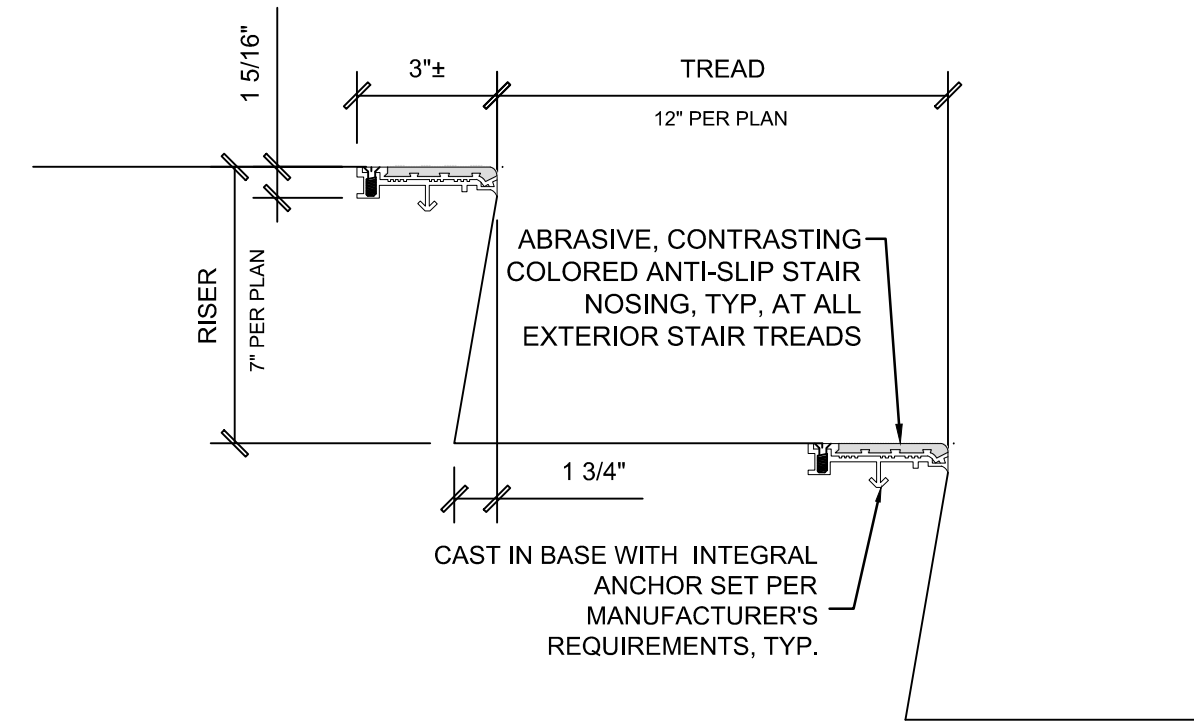
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		11/21/12			60% SUBMITTAL	DRAWN BY: JSN
		01/11/13			90% SUBMITTAL	CHECKED BY: AWP
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE: 03/27/13



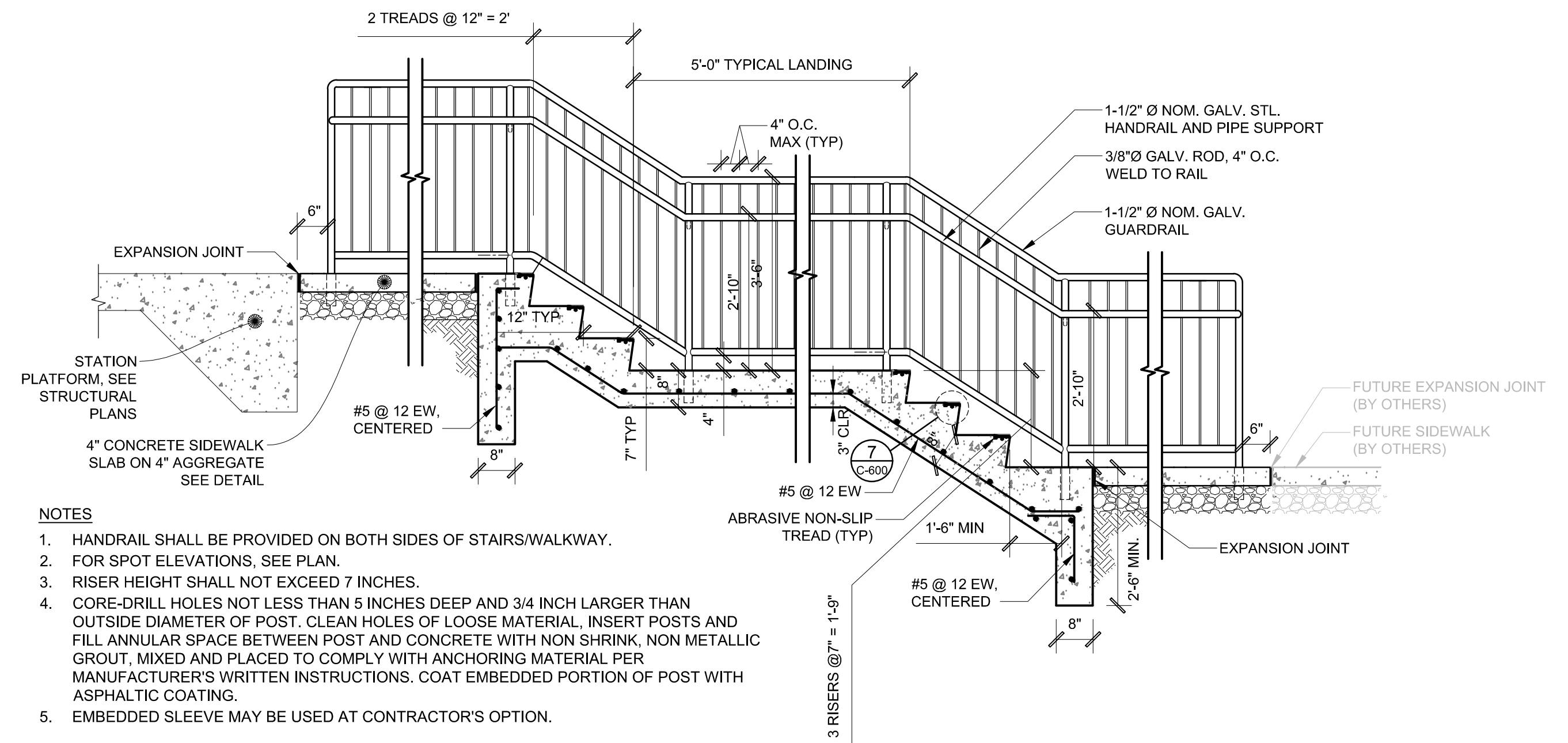
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 Fairfax, Virginia 22031

SPOTSYLVANIA STATION
UTILITY PLAN

IFB NO:	013-013
DRAWING NO:	C-501
SCALE:	1" = 20'
SHEET NO:	16 OF 66

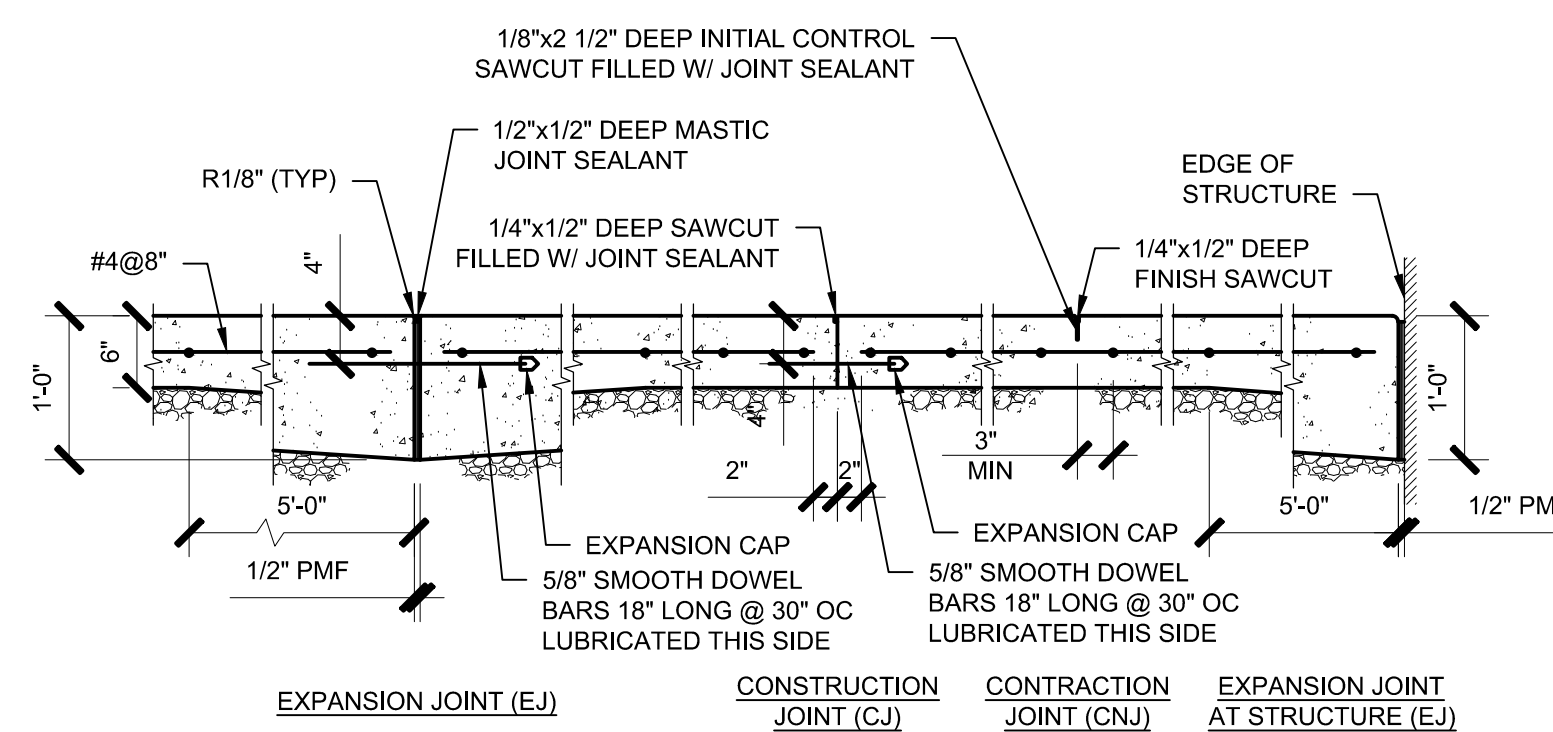


7
C-600 STAIR NOSING



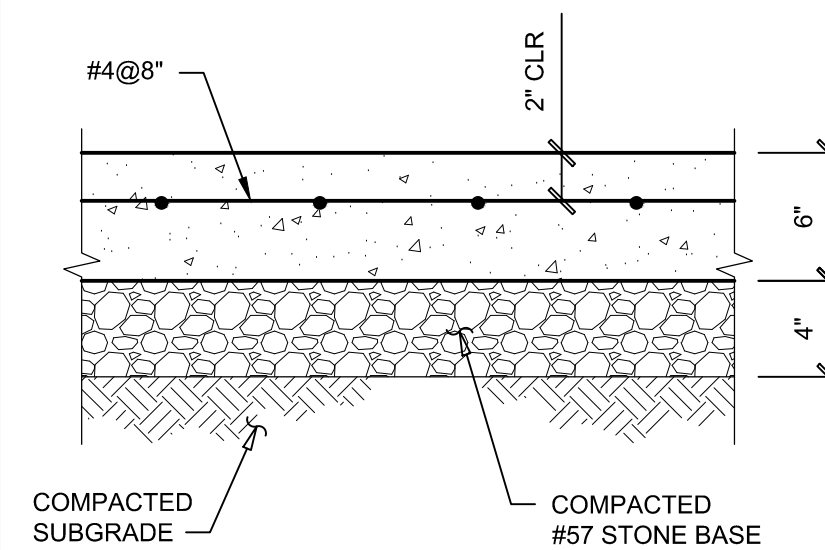
- NOTES**
- HANDRAIL SHALL BE PROVIDED ON BOTH SIDES OF STAIRS/WALKWAY.
 - FOR SPOT ELEVATIONS, SEE PLAN.
 - RISER HEIGHT SHALL NOT EXCEED 7 INCHES.
 - CORE-DRILL HOLES NOT LESS THAN 5 INCHES DEEP AND 3/4 INCH LARGER THAN OUTSIDE DIAMETER OF POST. CLEAN HOLES OF LOOSE MATERIAL. INSERT POSTS AND FILL ANNULAR SPACE BETWEEN POST AND CONCRETE WITH NON SHRINK, NON METALLIC GROUT, MIXED AND PLACED TO COMPLY WITH ANCHORING MATERIAL PER MANUFACTURER'S WRITTEN INSTRUCTIONS. COAT EMBEDDED PORTION OF POST WITH ASPHALTIC COATING.
 - EMBEDDED SLEEVE MAY BE USED AT CONTRACTOR'S OPTION.

3
C-600 CONCRETE STAIRS AND RAILING



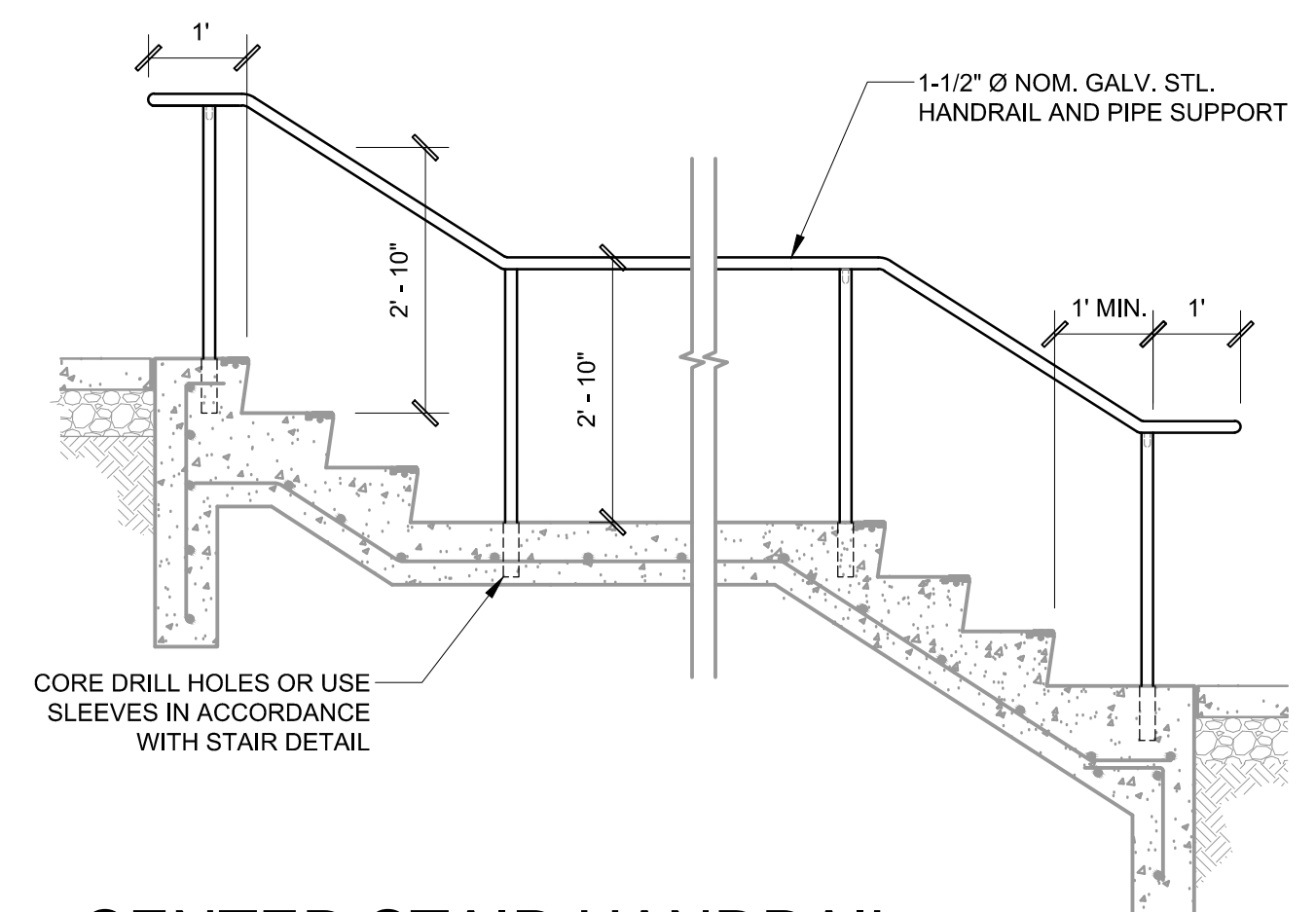
5
C-600 CONCRETE PAVEMENT JOINTS

- NOTE**
- SEE CONCRETE PAVEMENT DETAIL.

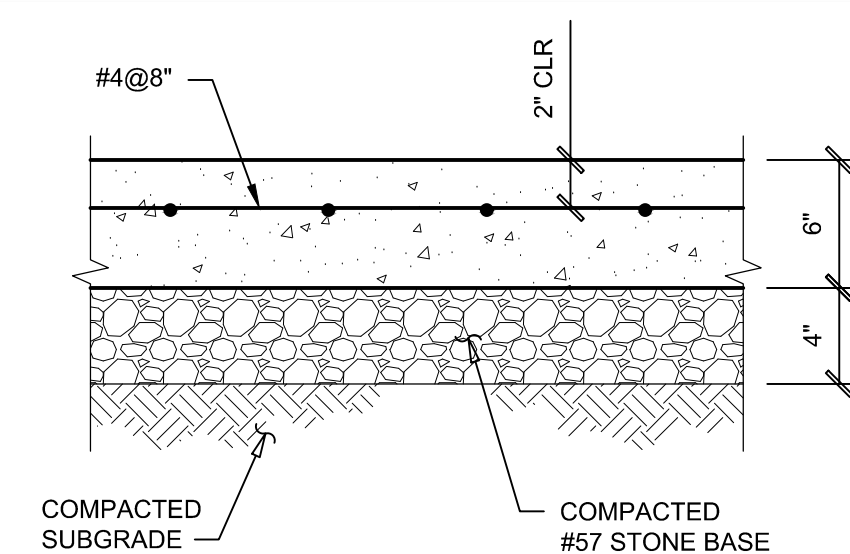


4
C-600 4" CONCRETE PAVEMENT

- NOTES:**
- SEE CONCRETE PAVEMENT JOINTS DETAIL.
 - REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION.

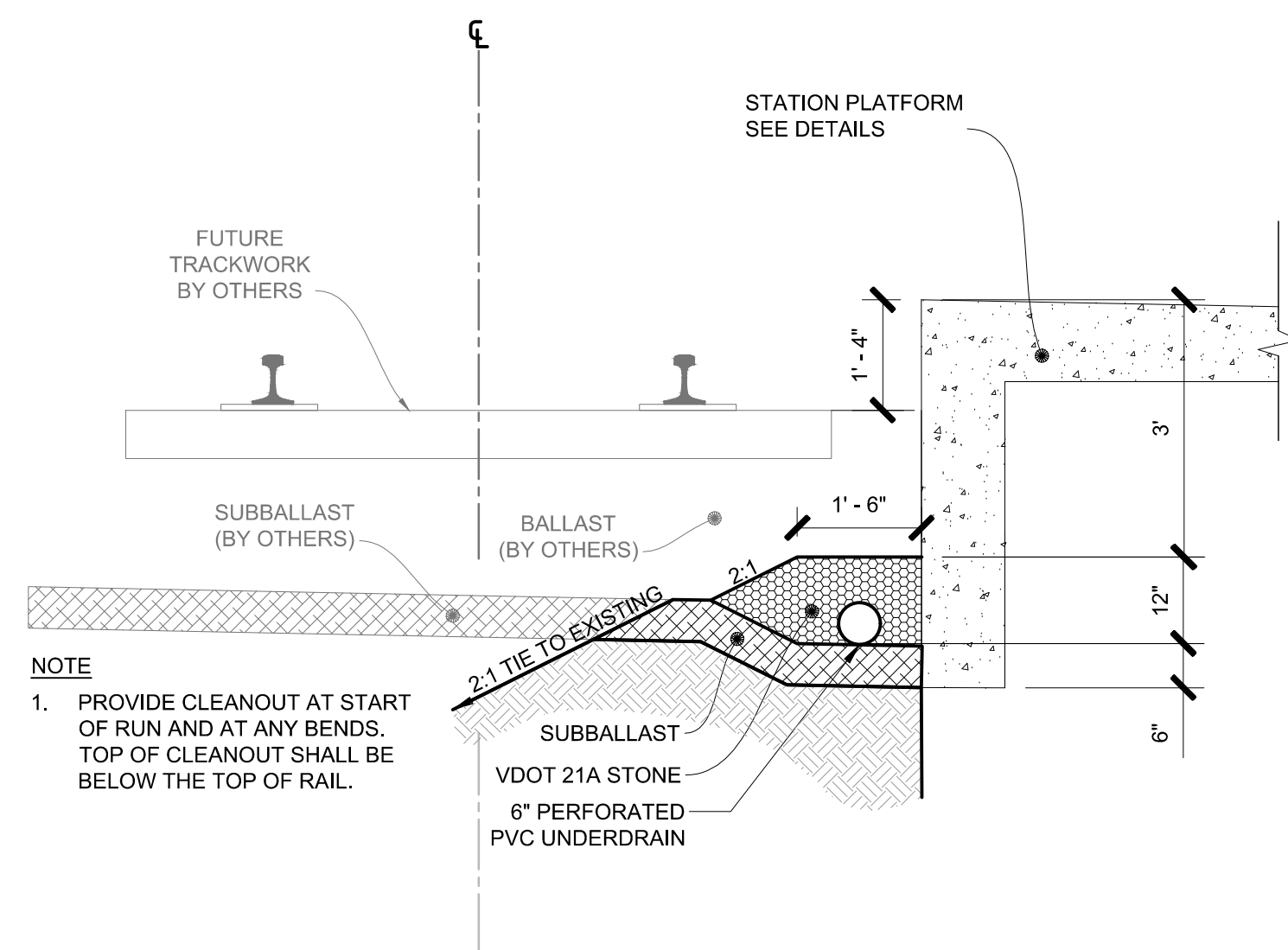


2
C-600 CENTER STAIR HANDRAIL



1
C-600 6" CONCRETE PAVEMENT

- NOTES:**
- SEE CONCRETE PAVEMENT JOINTS DETAIL.
 - REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION.

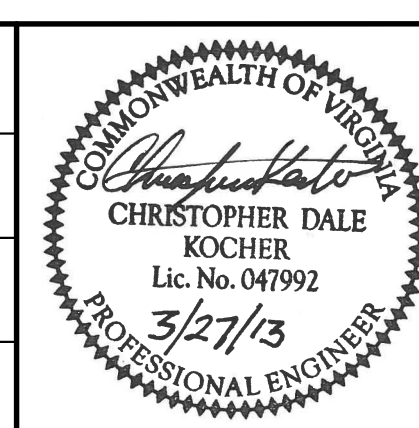


6
C-600 UNDERDRAIN ALONG PLATFORM

- NOTE**
- PROVIDE CLEANOUT AT START OF RUN AND AT ANY BENDS. TOP OF CLEANOUT SHALL BE BELOW THE TOP OF RAIL.

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	CDK
		11/21/12			60% SUBMITTAL	DRAWN BY: JSN
		01/11/13			90% SUBMITTAL	CHECKED BY: AWP
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE: 03/27/13

DESIGNED BY: CDK
DRAWN BY: JSN
CHECKED BY: AWP
DATE: 03/27/13

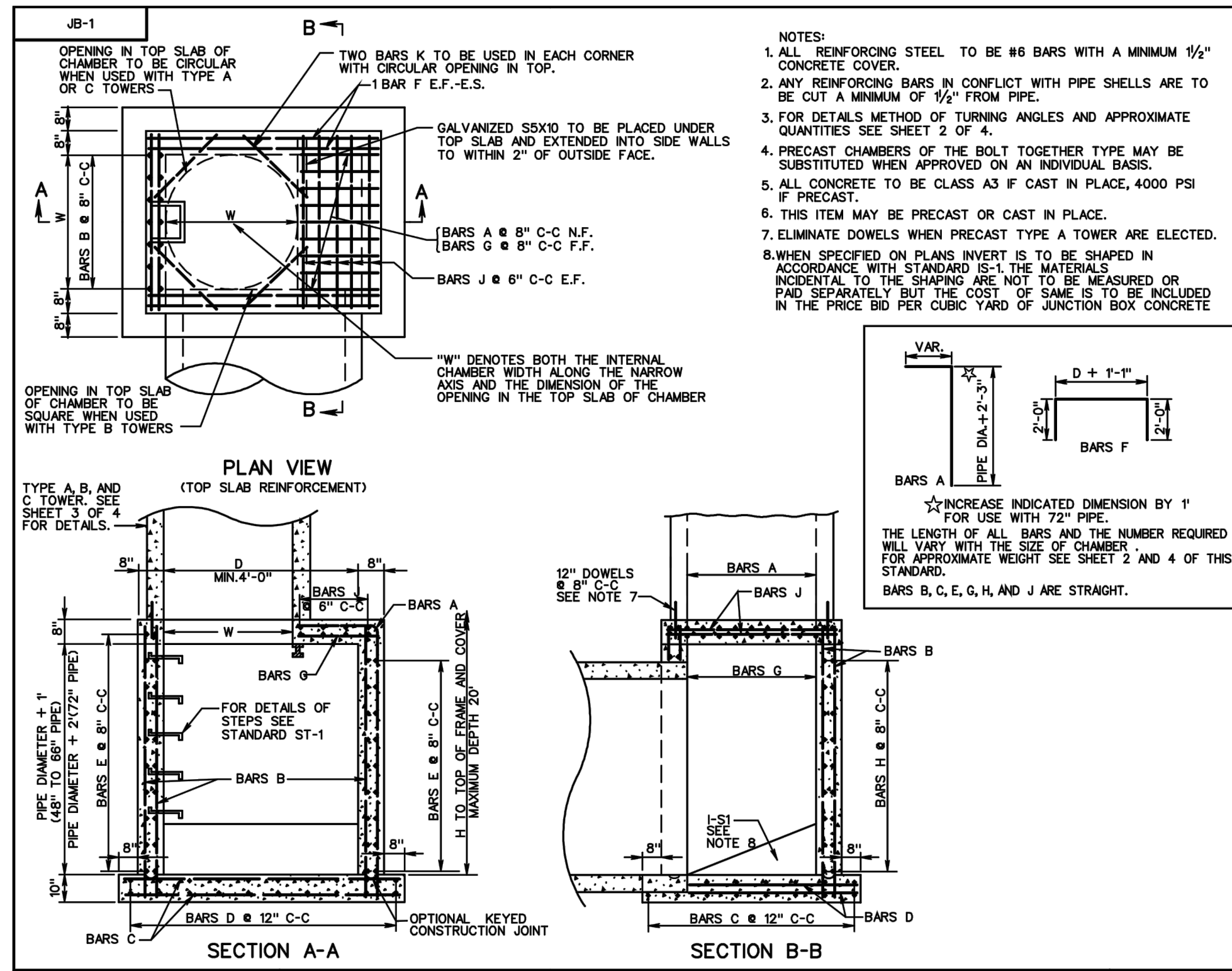


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SPOTSYLVANIA STATION

**MISCELLANEOUS
DETAILS**

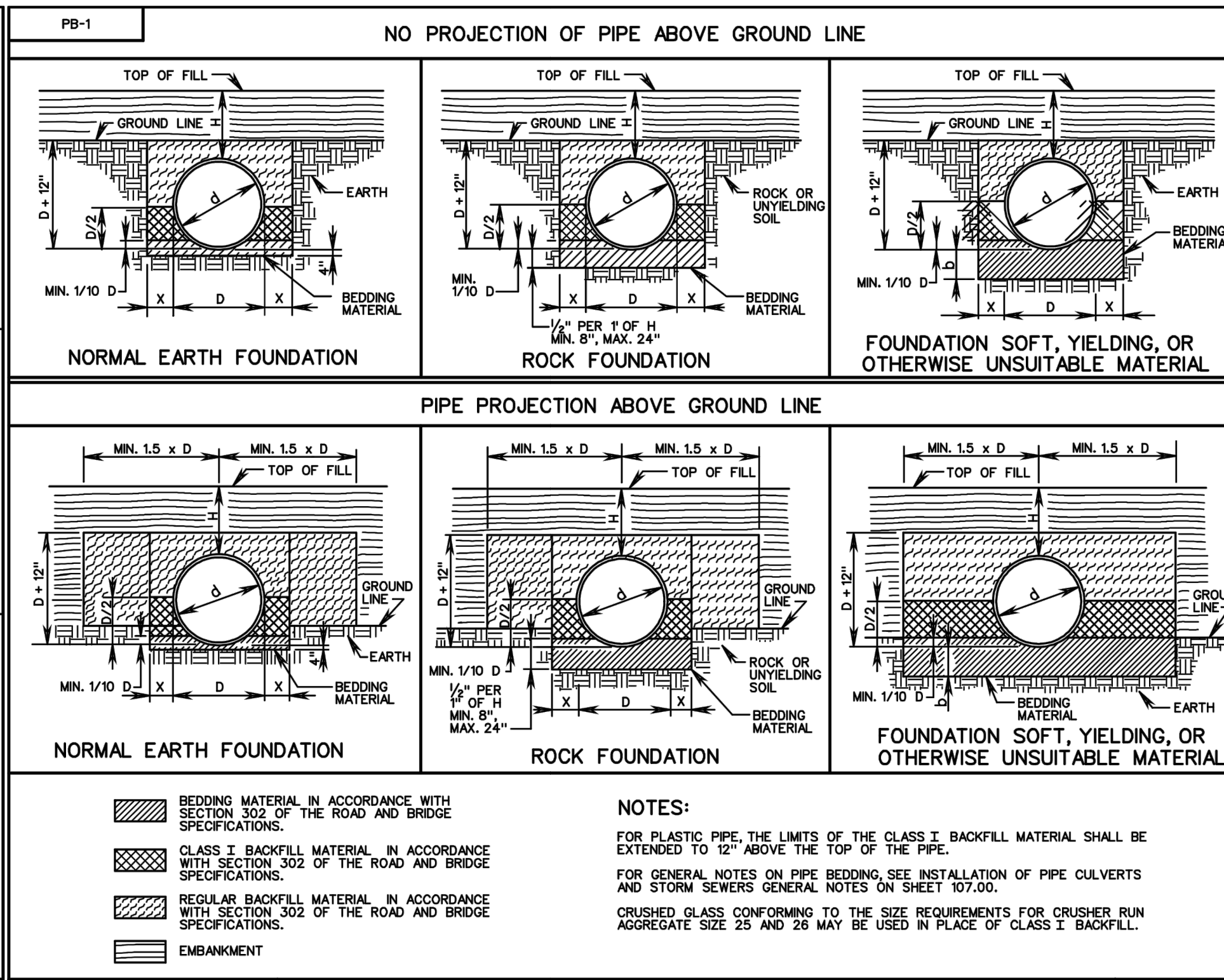
IFB NO:	013-013
DRAWING NO:	C-600
SCALE:	NONE
SHEET NO:	17 OF 66



VDOT
ROAD AND BRIDGE STANDARDS
SHEET 1 OF 4
106.10

JUNCTION BOX CHAMBER DETAILS FOR 48" - 72" PIPE CULVERTS MAX. DEPTH (H) = 20'
VIRGINIA DEPARTMENT OF TRANSPORTATION

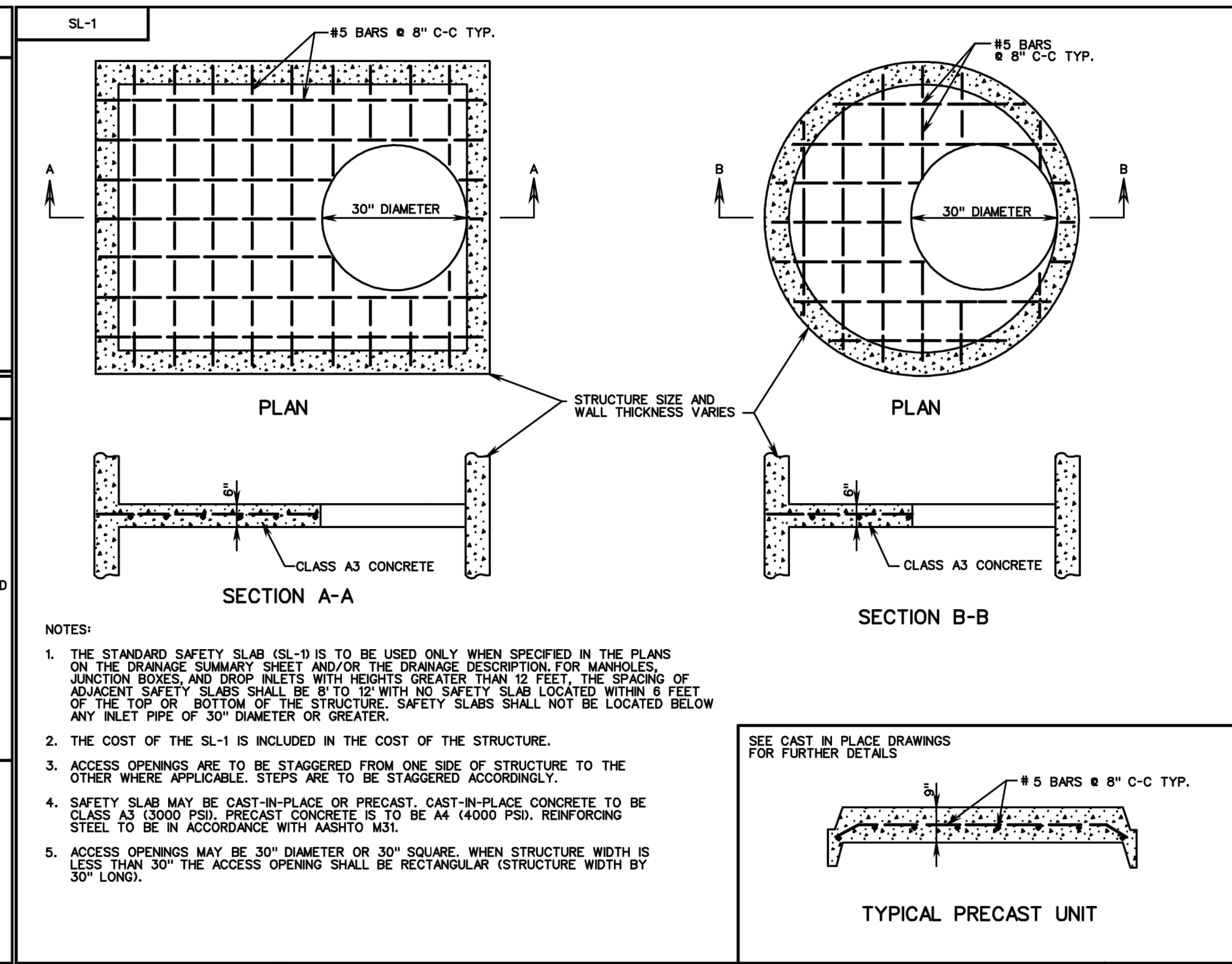
SPECIFICATION REFERENCE
105
233
302



VDOT
ROAD AND BRIDGE STANDARDS
SHEET 1 OF 4
107.01

INSTALL. OF PIPE CULVERTS AND STORM SEWERS CIRC. PIPE BEDDING AND BACKFILL - METHOD "A"
VIRGINIA DEPARTMENT OF TRANSPORTATION

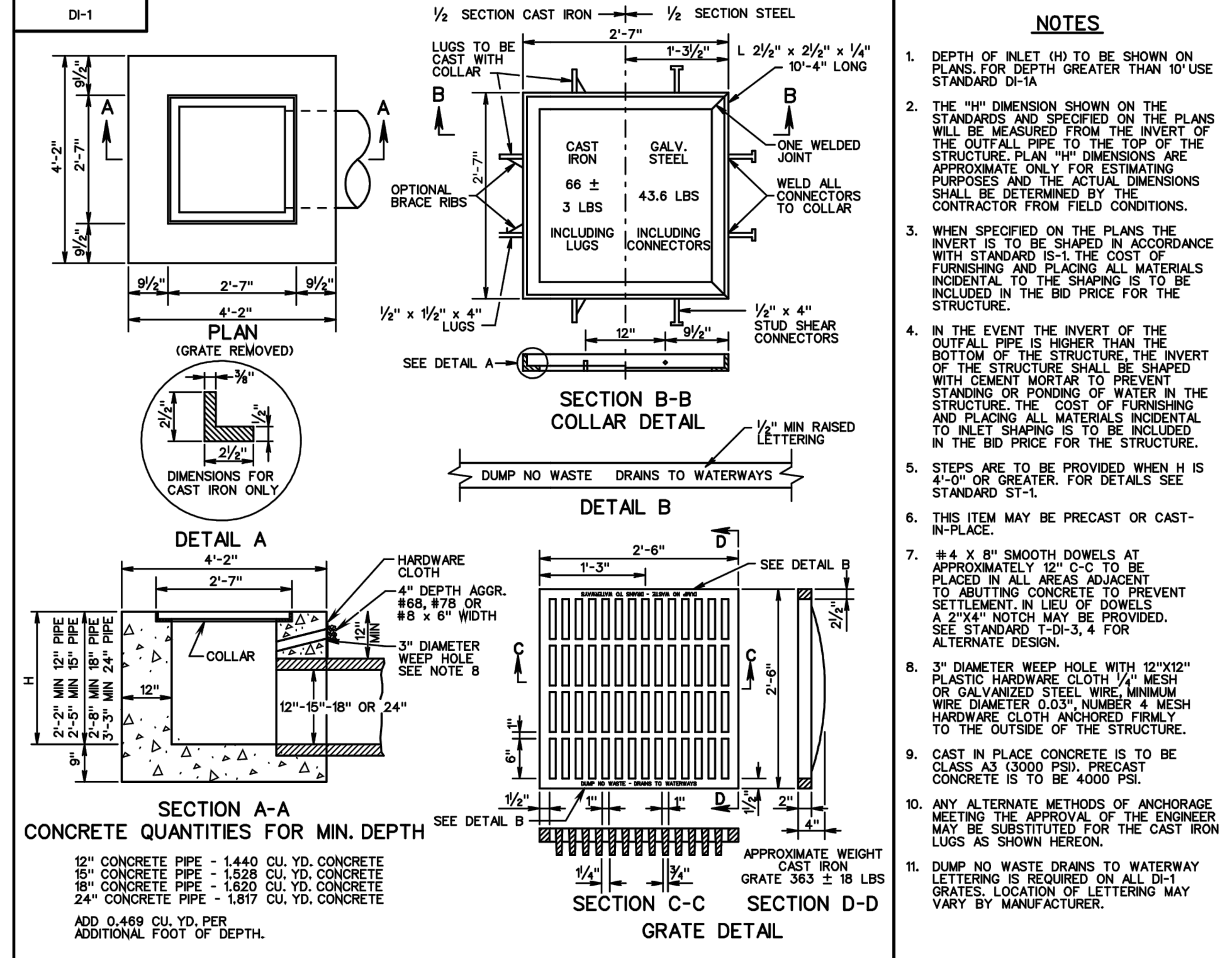
SPECIFICATION REFERENCE
302
303



VDOT
ROAD AND BRIDGE STANDARDS
SHEET 1 OF 1
106.14

TYPICAL CONCRETE SAFETY SLAB FOR DROP INLETS, MANHOLES AND JUNCTION BOXES
VIRGINIA DEPARTMENT OF TRANSPORTATION

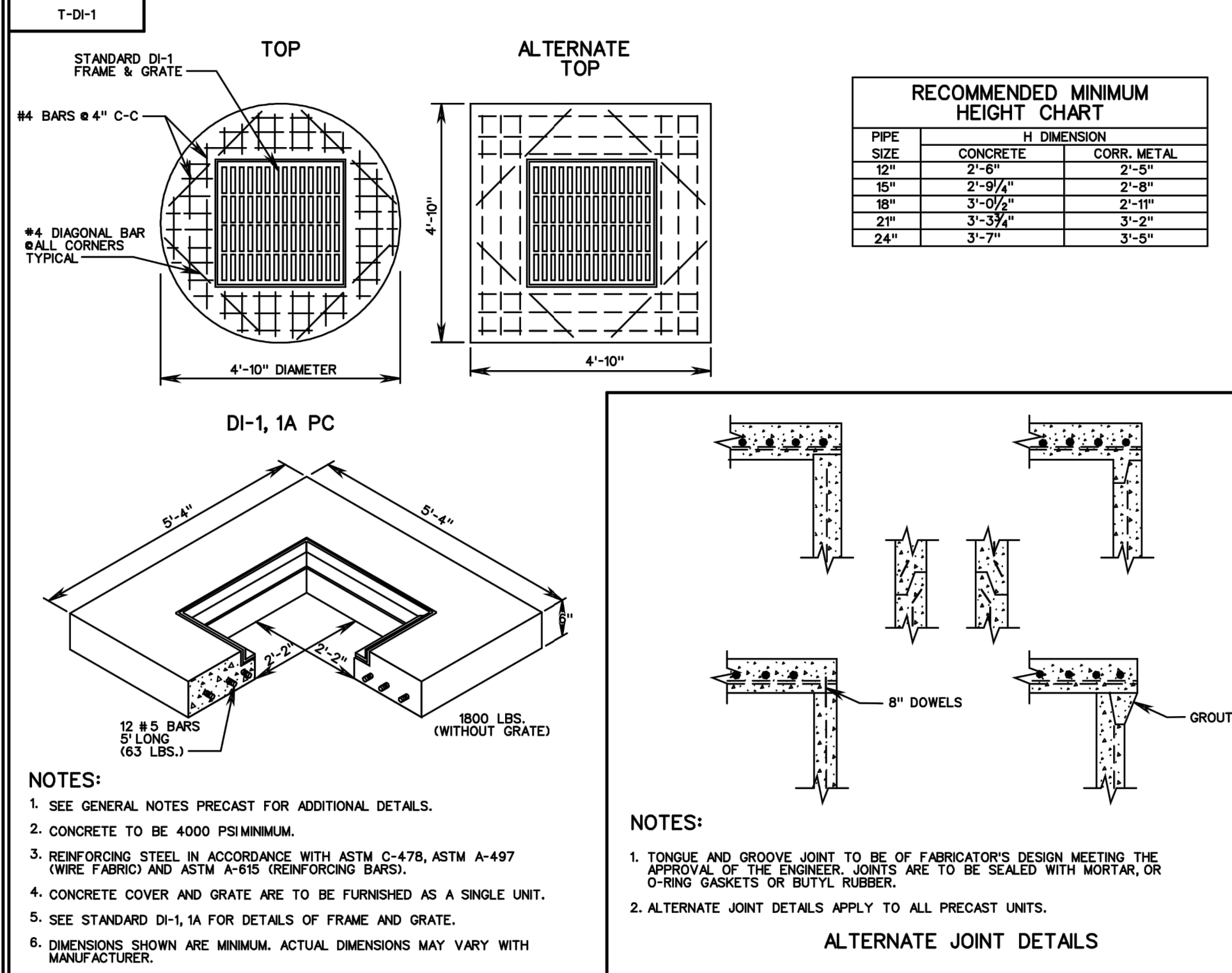
SPECIFICATION REFERENCE
302



VDOT
ROAD AND BRIDGE STANDARDS
SHEET 1 OF 1
104.01

STANDARD DROP INLET
12" - 24" PIPE: MAXIMUM DEPTH (H) = 10'
VIRGINIA DEPARTMENT OF TRANSPORTATION

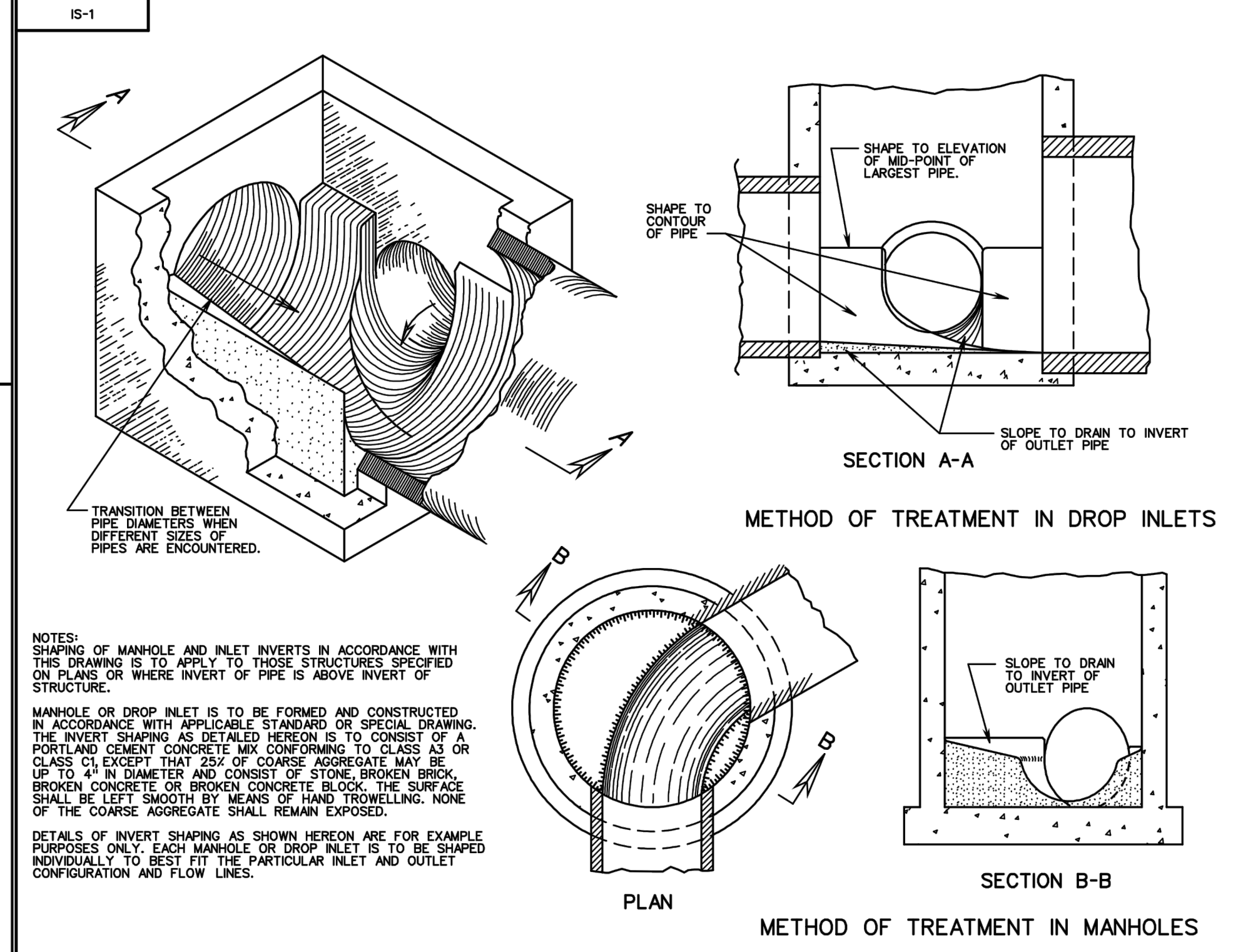
SPECIFICATION REFERENCE
233
302



VDOT
ROAD AND BRIDGE STANDARDS
SHEET 1 OF 1
103.03

STANDARD PRECAST TOP UNITS
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE
105
233
302



VDOT
ROAD AND BRIDGE STANDARDS
SHEET 1 OF 1
108.08

STANDARD METHOD OF SHAPING MANHOLE & INLET INVERTS
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE
302

APPROVED BY	REV. NO.	DATE	BY	APP BY	DESCRIPTION
VRE		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
COUNTY		03/27/13			ISSUE FOR BID

DESIGNED BY: CDK
DRAWN BY: JSN
CHECKED BY: AWP
DATE: 03/27/13

COMMONWEALTH OF VIRGINIA
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER DALE KOCHER
Lic. No. 047992
3/27/13

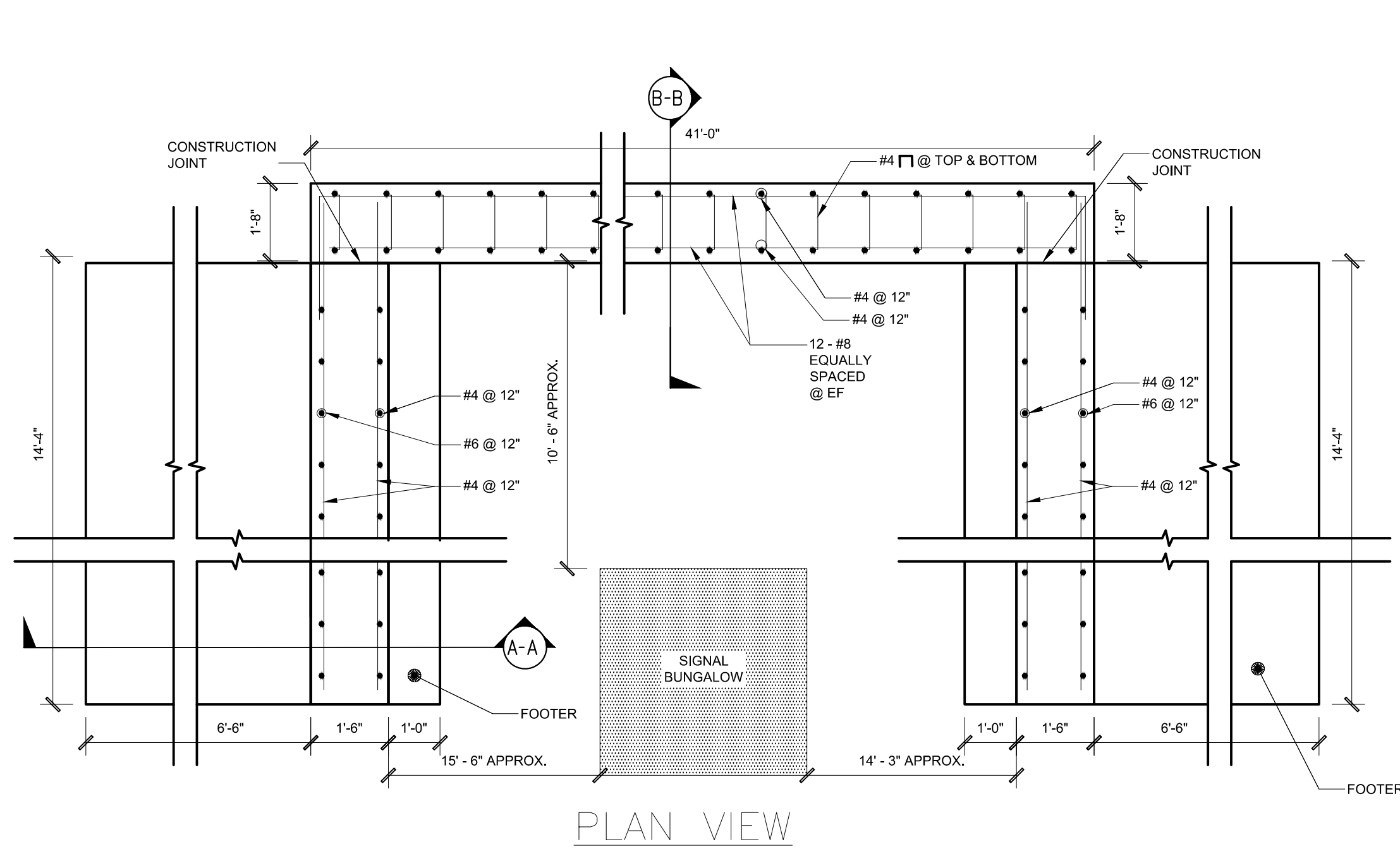
RAILWAY VIRGINIA EXPRESS

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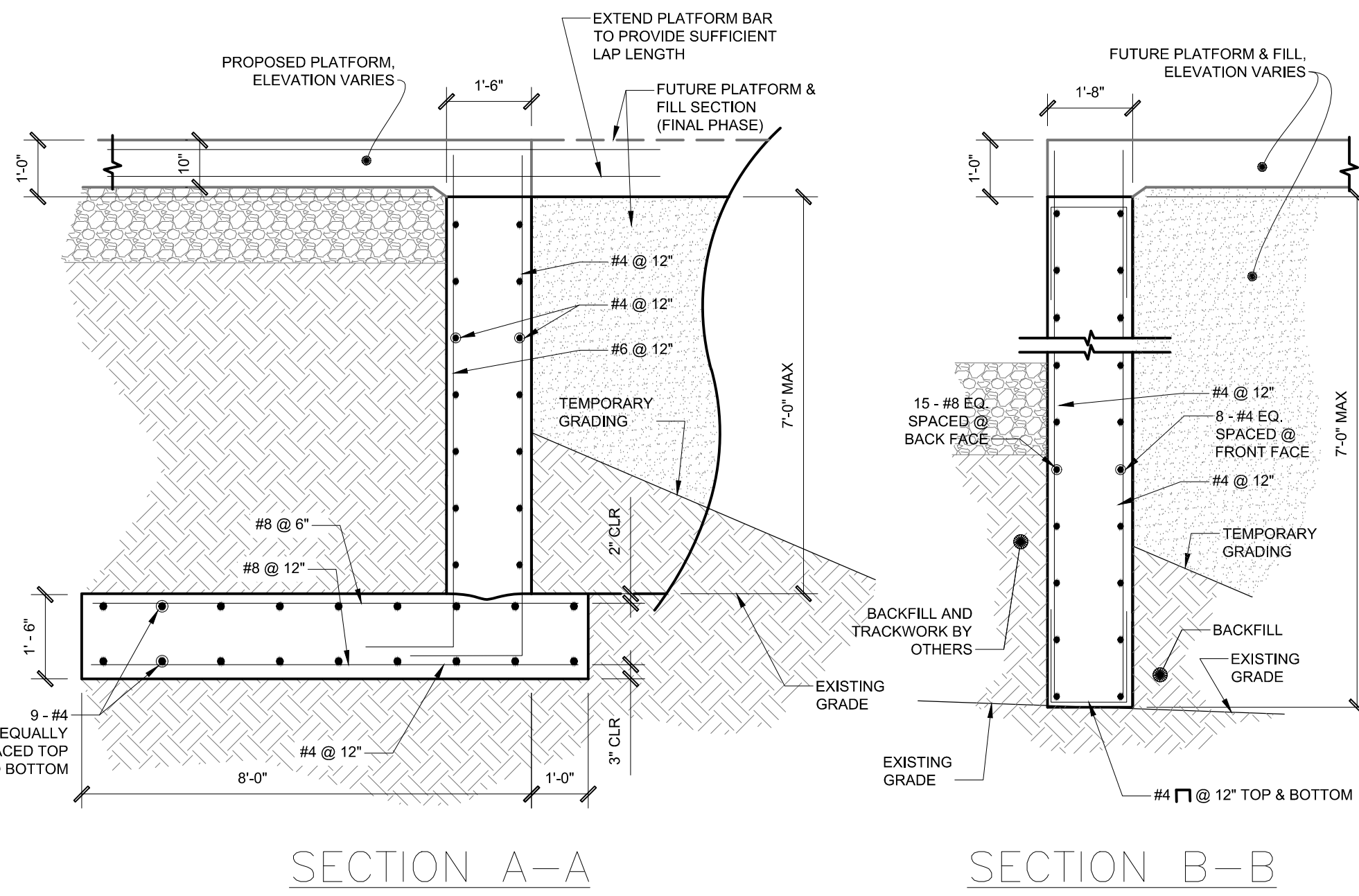
SPOTSYLVANIA STATION

MISCELLANEOUS DETAILS

IFB NO: 013-013
DRAWING NO: C-601
SCALE: NONE
SHEET NO: 18 OF 66

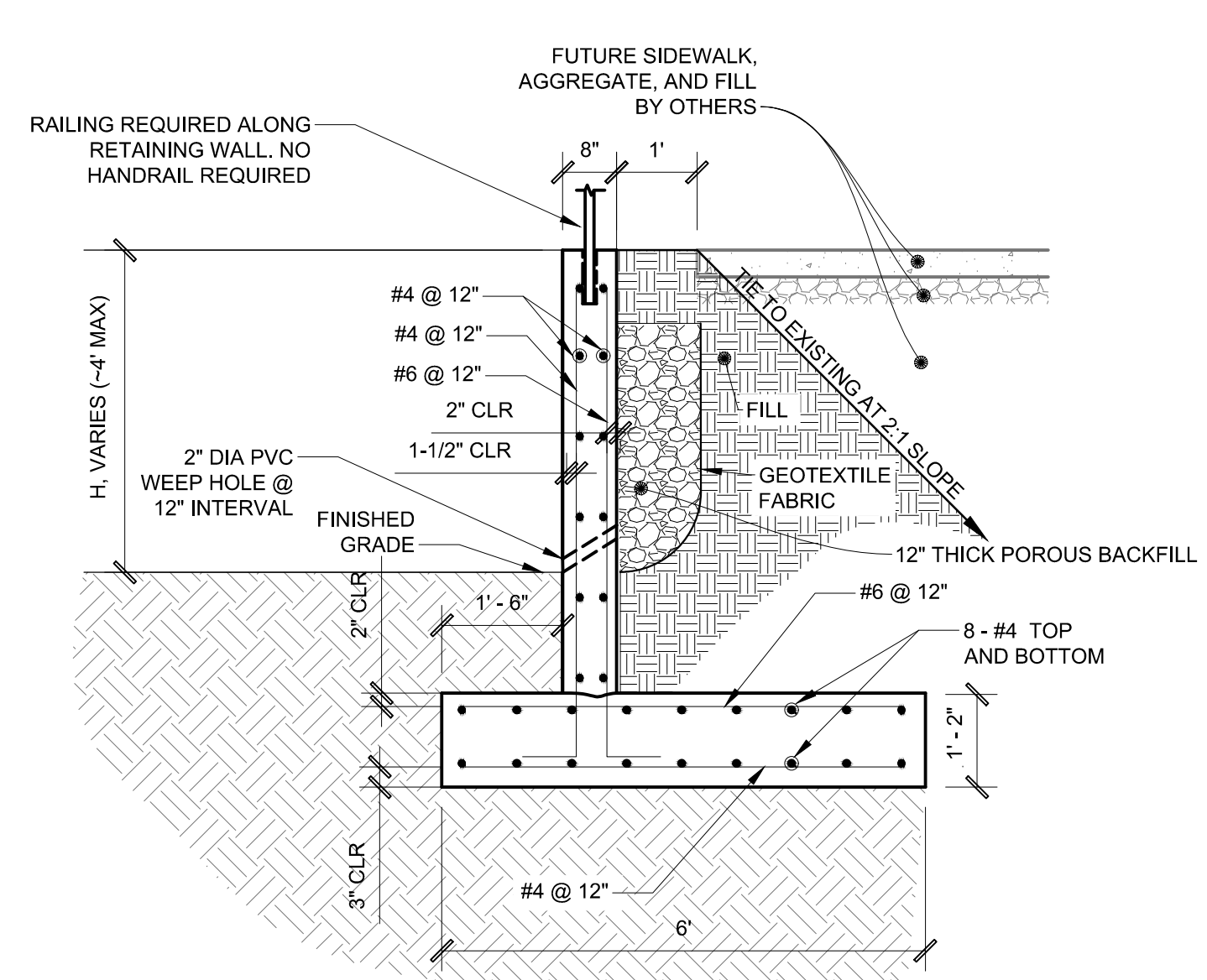


PLAN VIEW



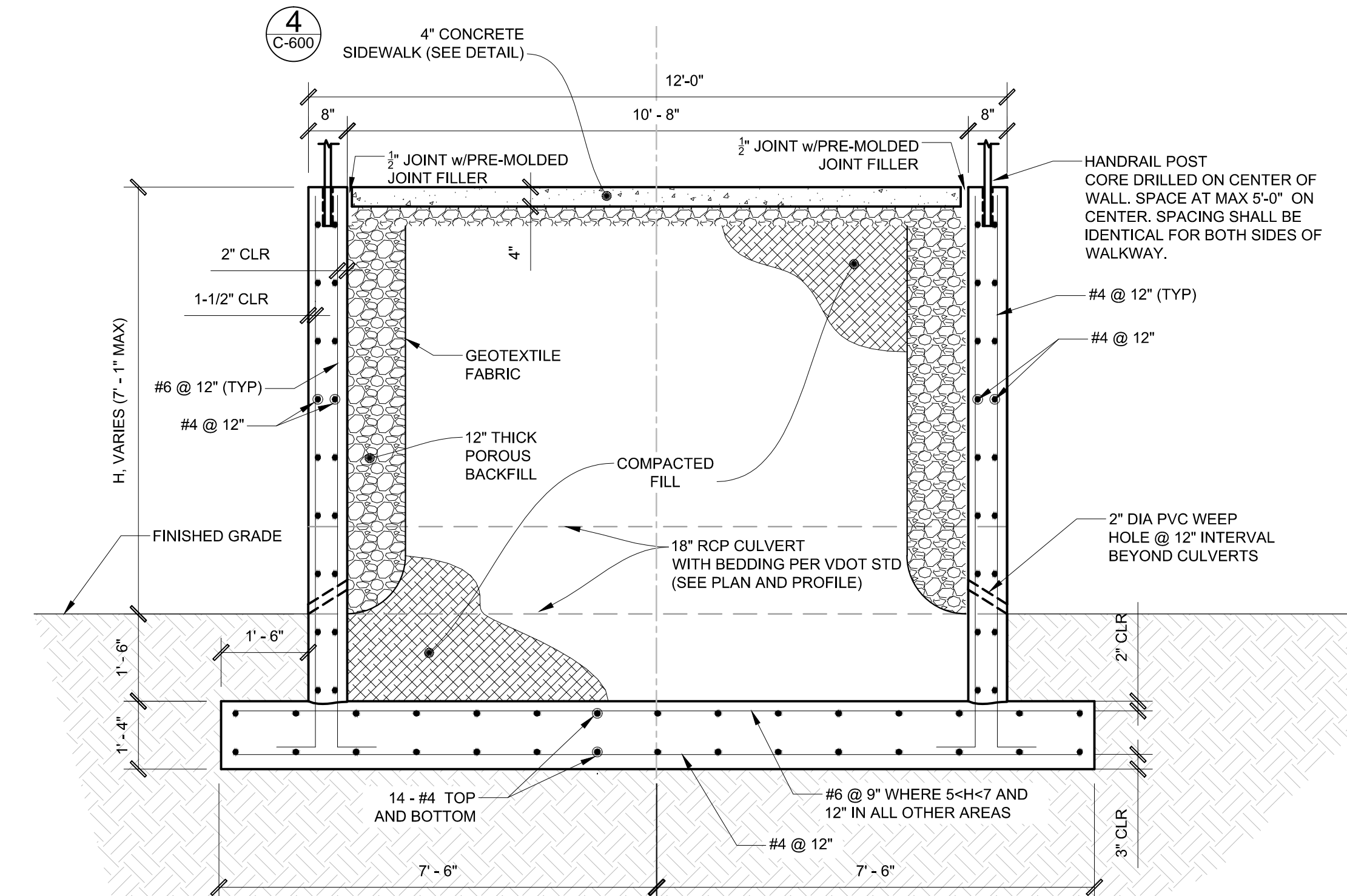
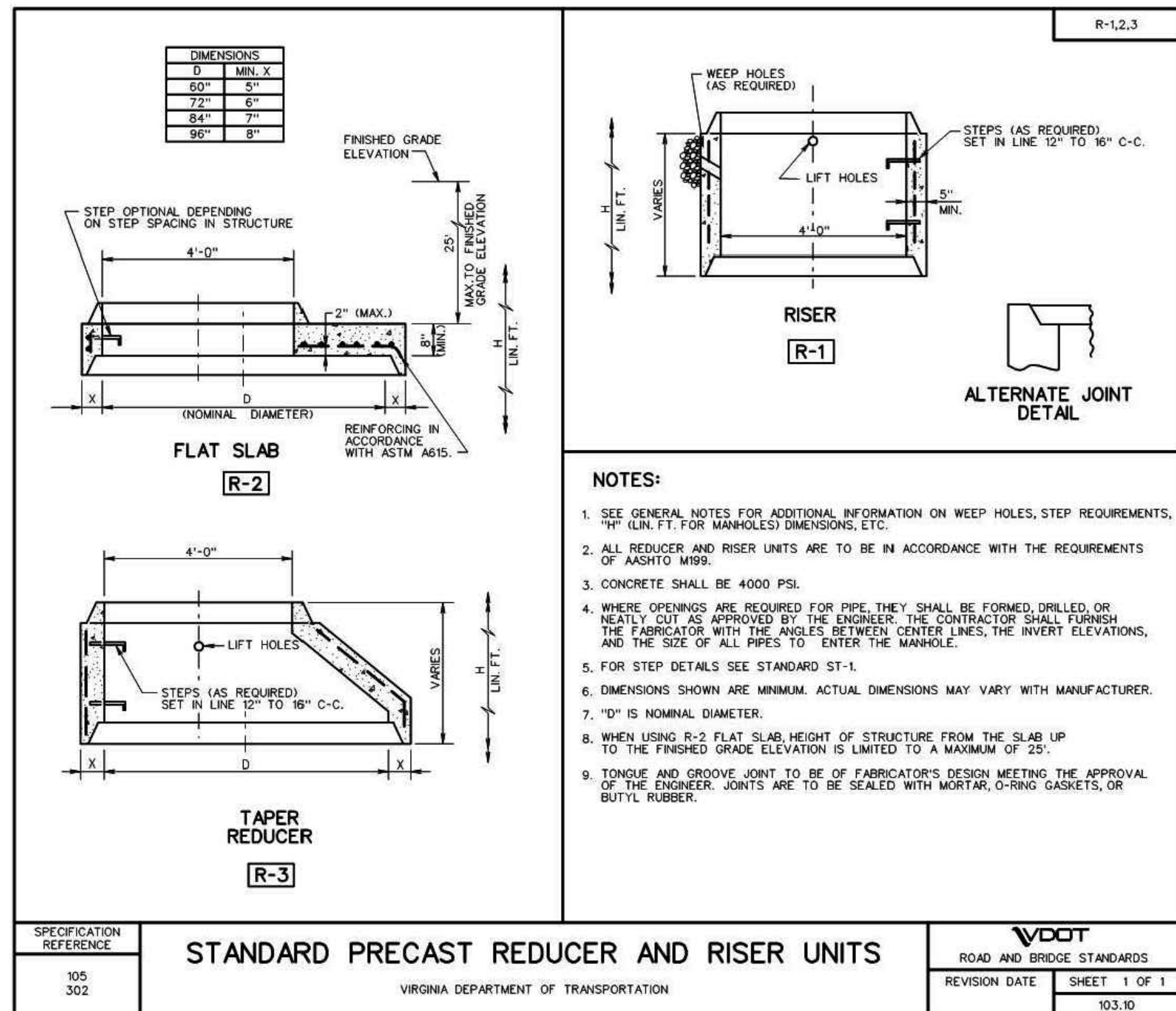
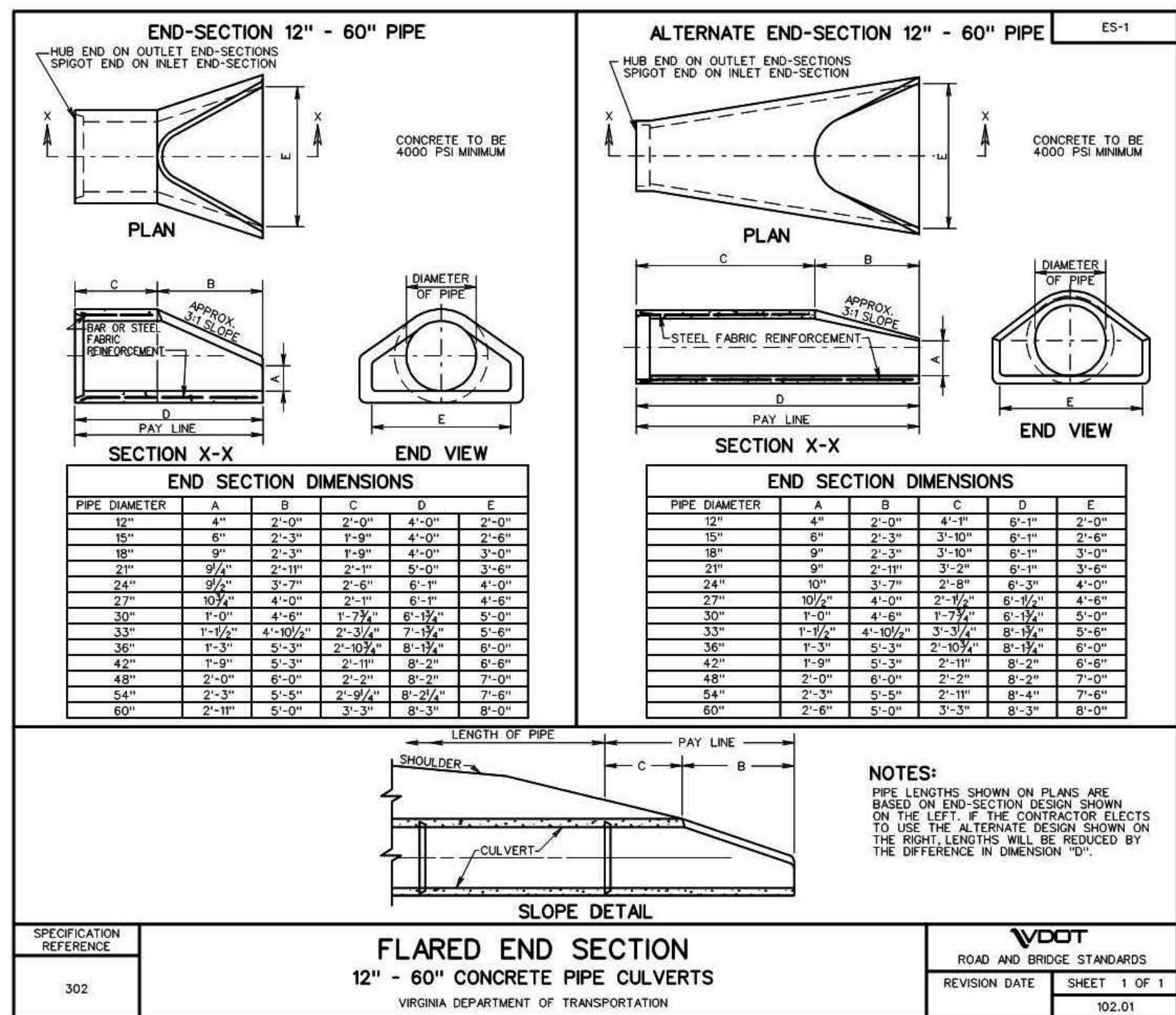
SECTION A-A

SECTION B-B



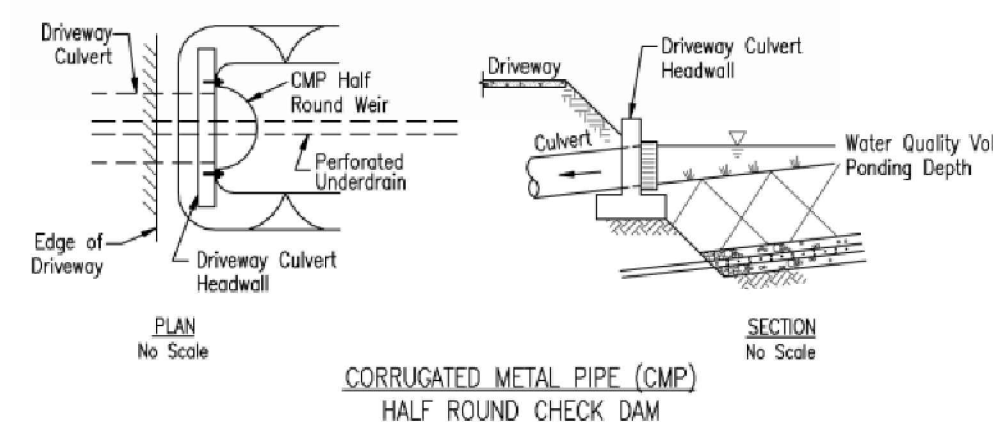
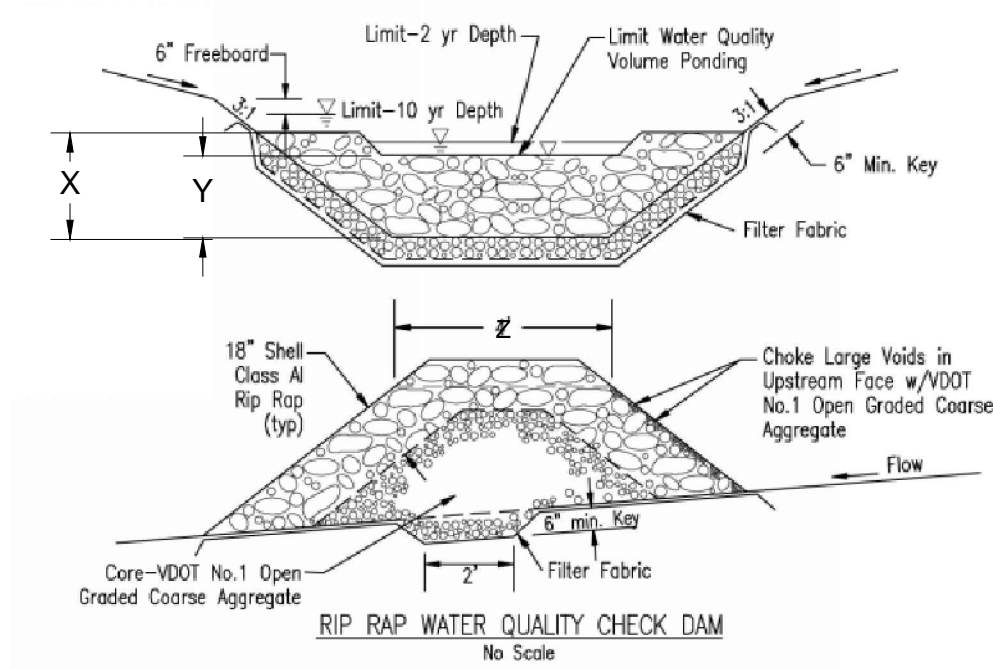
2 RETAINING WALL ALONG SIDEWALK
C-602

3 PLATFORM RETAINING WALL
C-602



1 PEDESTRIAN WALKWAY RETAINING WALLS
C-602

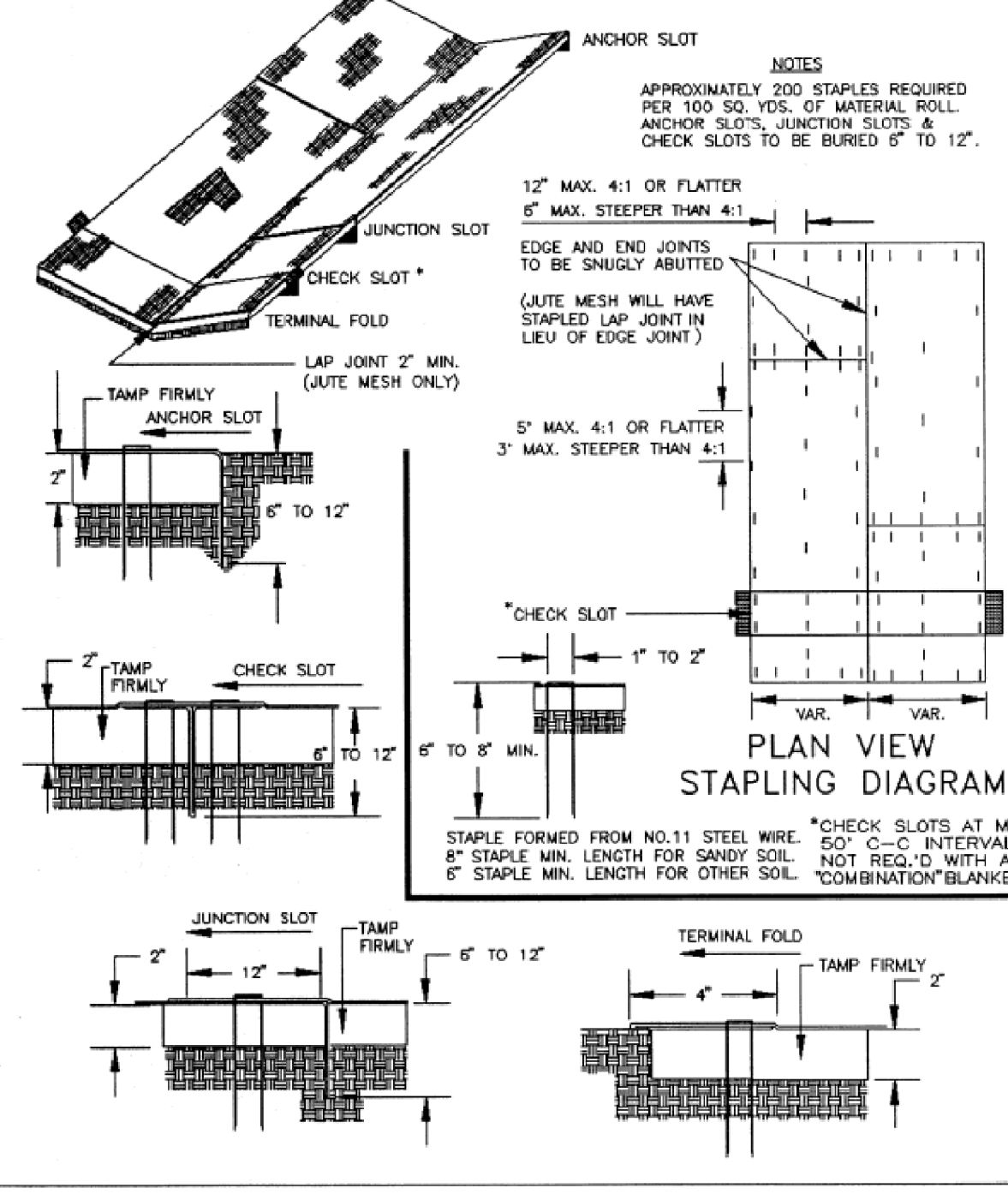
APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			STV Incorporated 2722 Merrilee Drive, Suite 350 Fairfax, Virginia 22031	IFB NO:	013-013
						DRAWN BY:				DRAWING NO:	C-602
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:				SCALE:	NONE
						DATE:				SHEET NO:	19 OF 66



ML-13-3

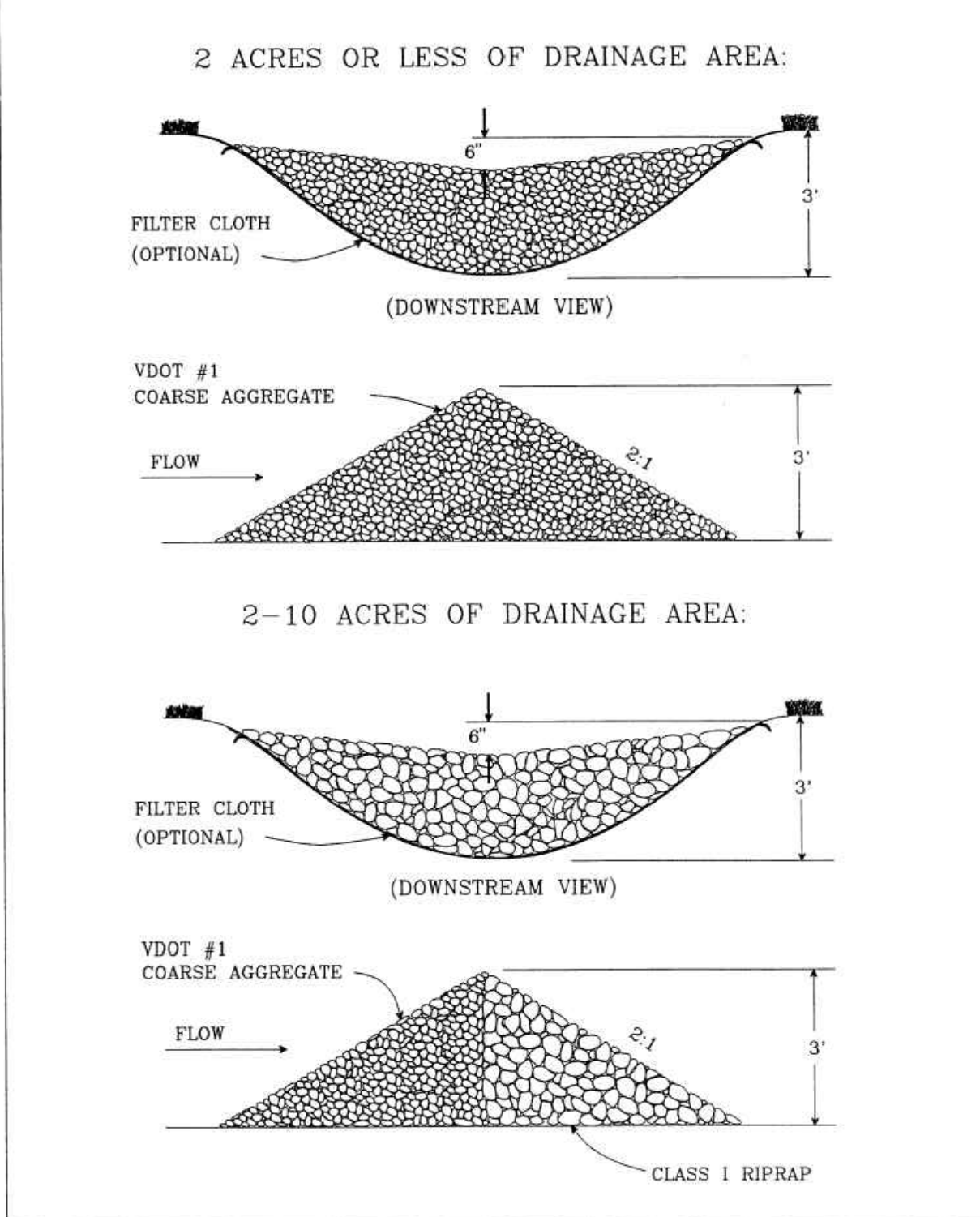
BMP CHECK DAM SCHEDULE				
SWALE I.D.	X	Y	Z	
B	18"	15"	4'	
C	15'	12"	4'	
D	12'	10"	4'	

TYPICAL TREATMENT - 1 (SOIL STABILIZATION BLANKET) INSTALLATION CRITERIA



Source: VDOT Road and Bridge Standards Plate 3.36-2

ROCK CHECK DAM



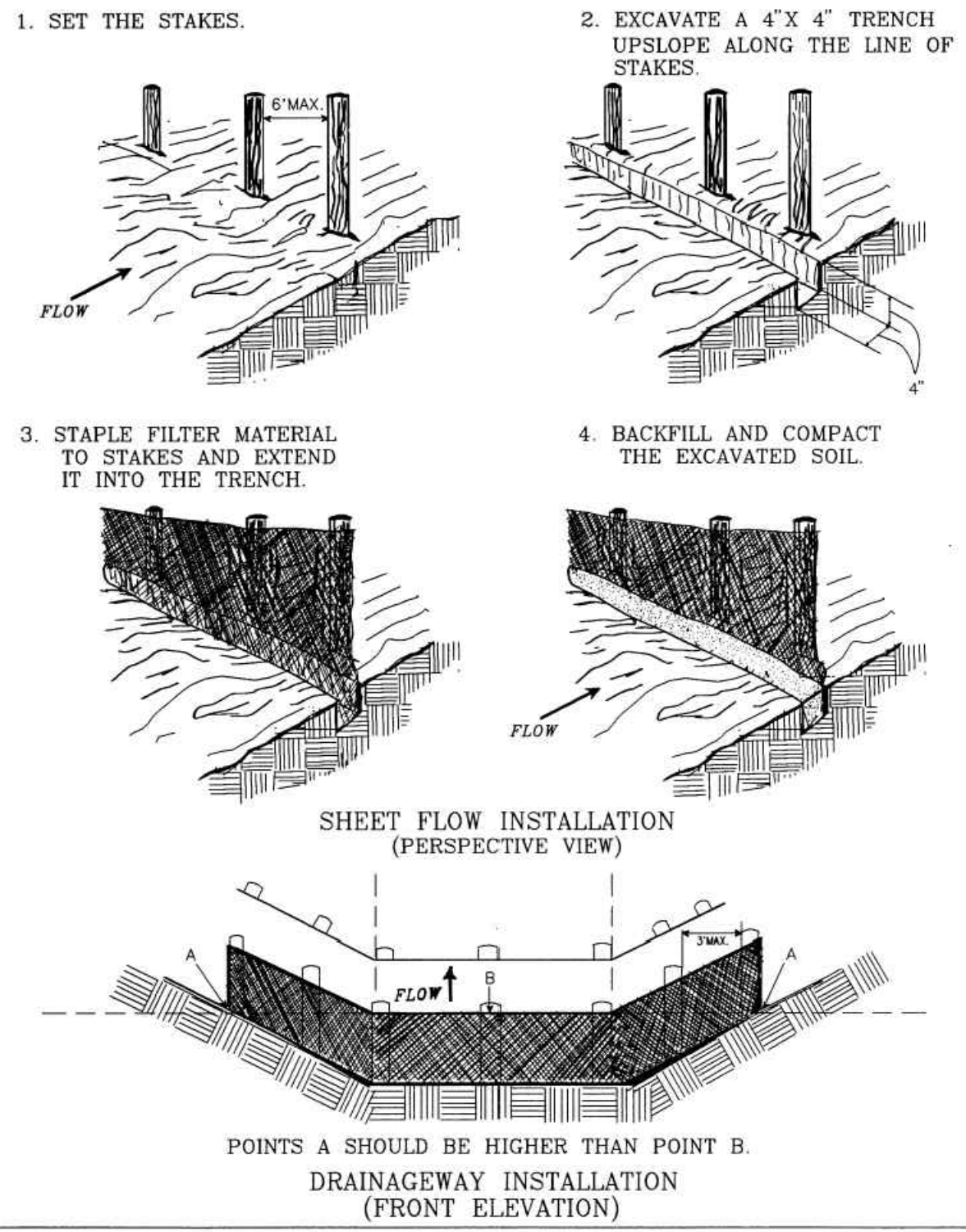
Source: Va. DSWC Plate 3.20-1

STONE CONSTRUCTION ENTRANCE



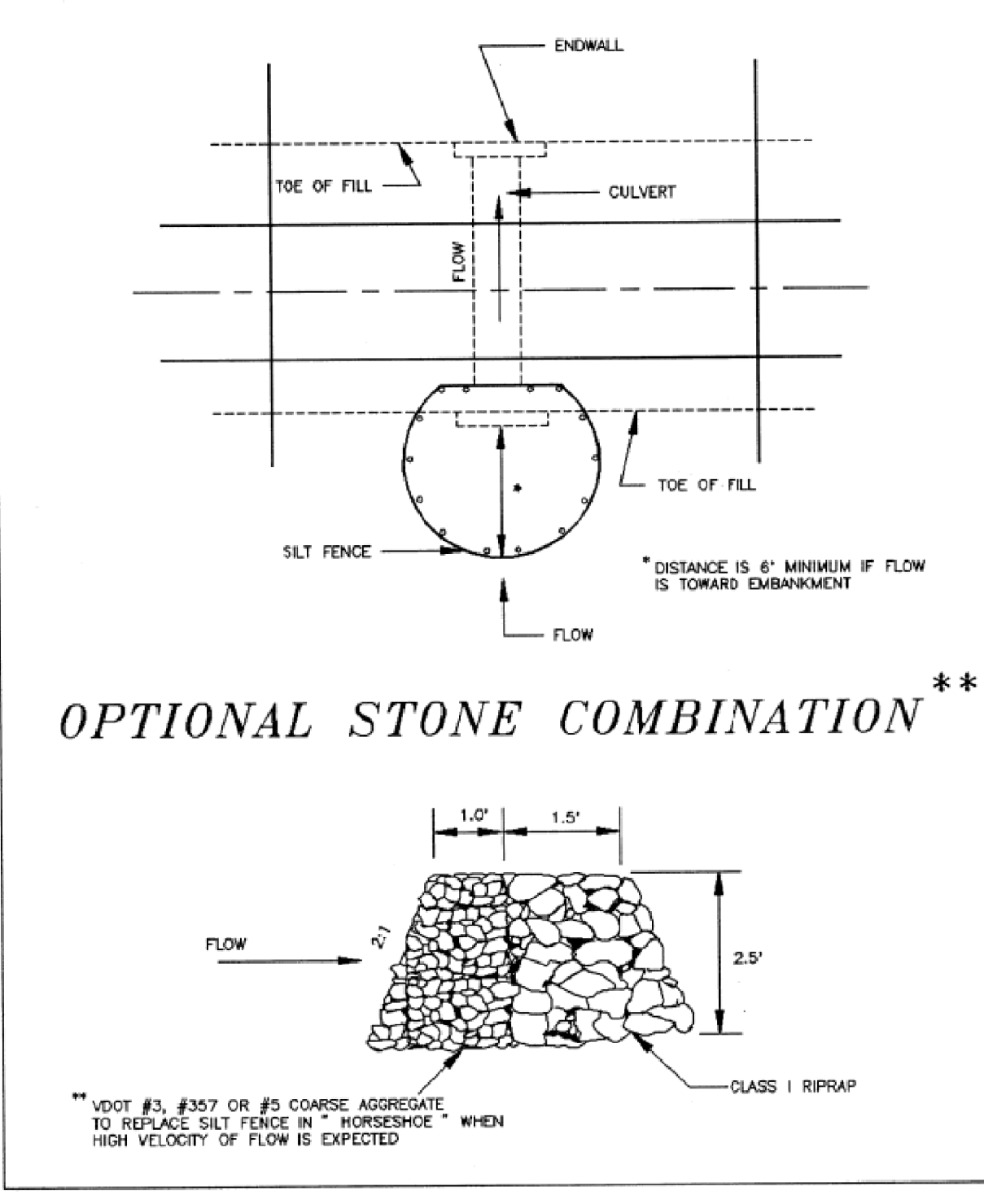
Source: Adapted from 1983 Maryland Standards for Soil Plate 3.02-1

CONSTRUCTION OF A SILT FENCE (WITHOUT WIRE SUPPORT)



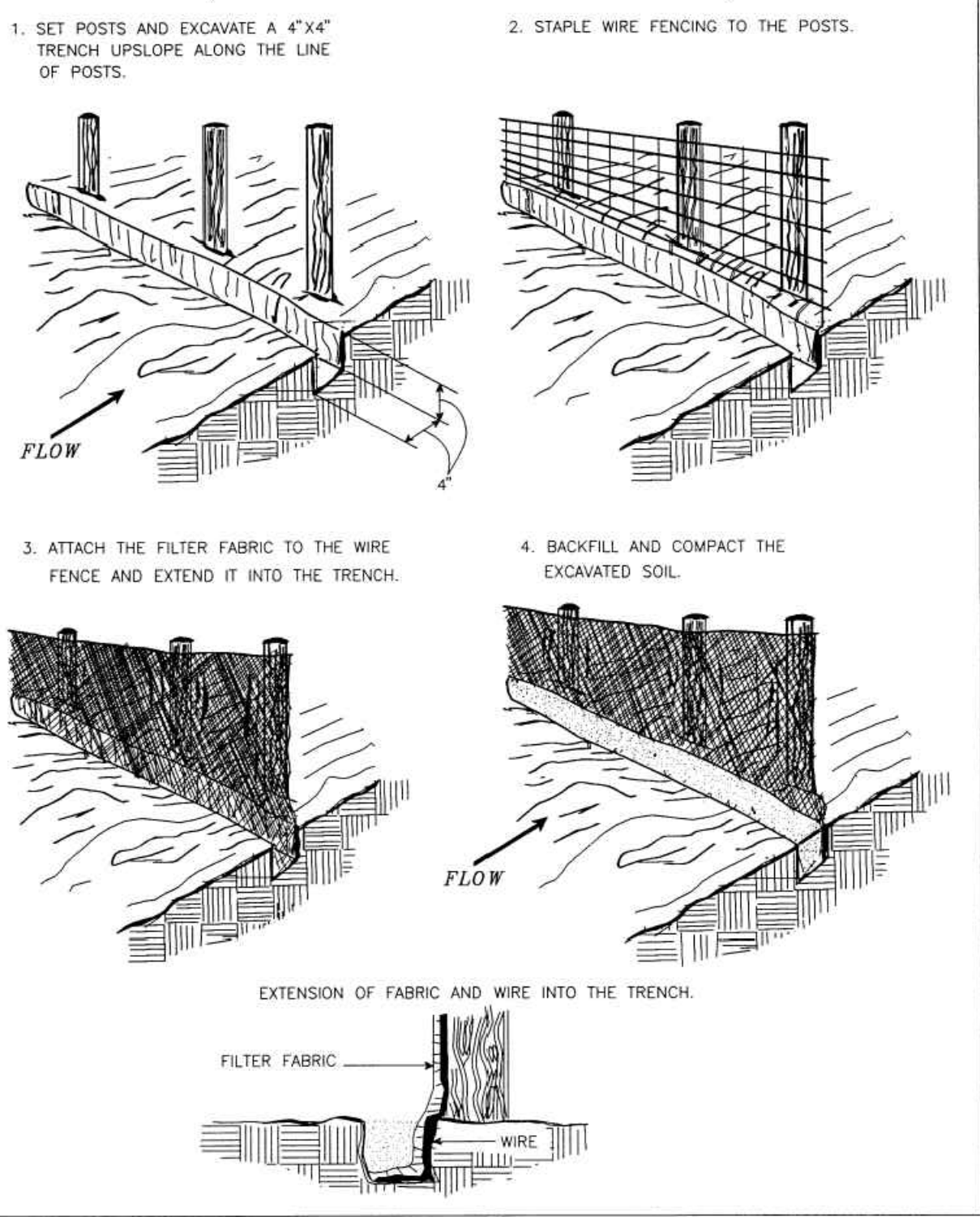
Source: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyant Plate 3.05-2

SILT FENCE CULVERT INLET PROTECTION



Source: Adapted from VDOT Standard Sheets and Va. DSWC Plate 3.08-1

CONSTRUCTION OF A SILT FENCE (WITH WIRE SUPPORT)



Source: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyant Plate 3.05-1

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	CDK
		11/21/12			60% SUBMITTAL	DRAWN BY: JSN
		01/11/13			90% SUBMITTAL	CHECKED BY: AWP
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE: 03/27/13

COMMONWEALTH OF VIRGINIA

CHRISTOPHER DALE KOCHER
Lic. No. 047992

3/27/13

PROFESSIONAL ENGINEER



STV Incorporated

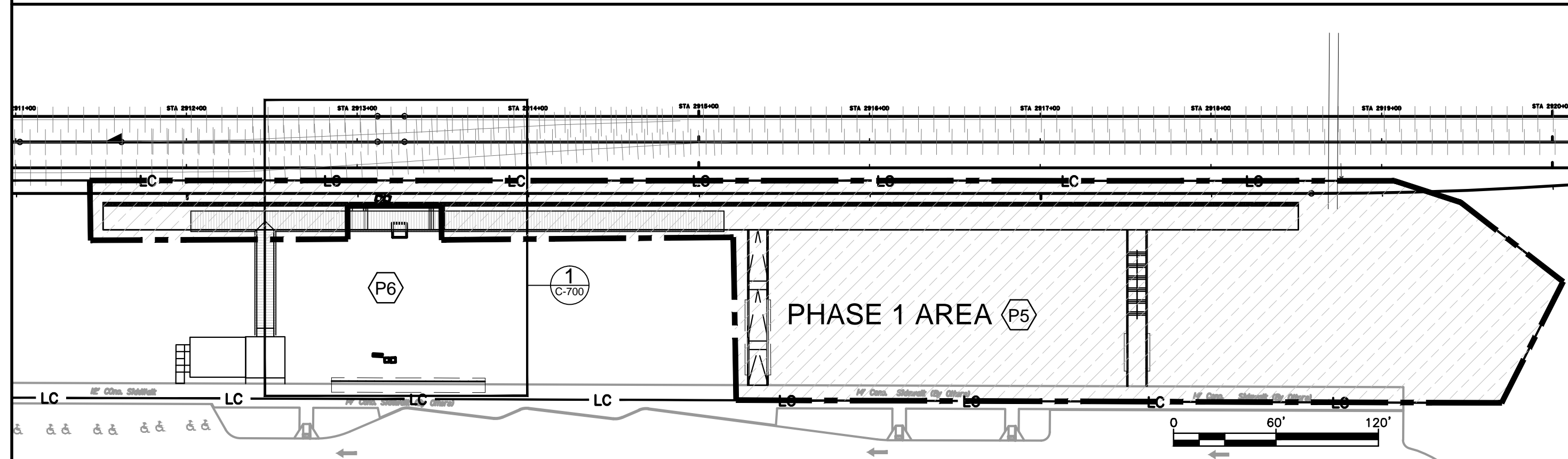
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Fairfax, Virginia 22031

SPOTSYLVANIA STATION

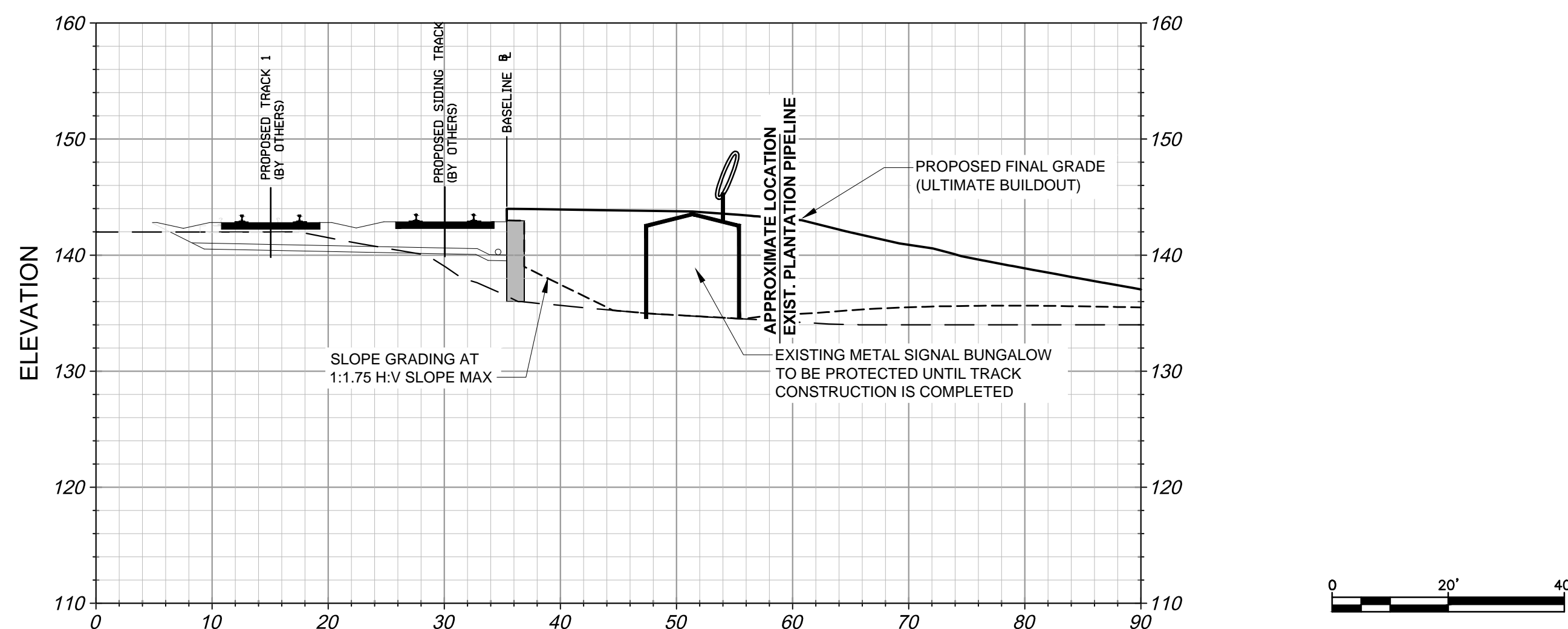
EROSION AND SEDIMENT CONTROL DETAILS

IFB NO:	013-013
DRAWING NO:	C-603
SCALE:	
SHEET NO:	20 OF 66

CONSTRUCTION PHASING OVERVIEW



SECTION OF TEMPORARY GRADING AT SIGNAL BUNGALOW (STA 2913+50.00)

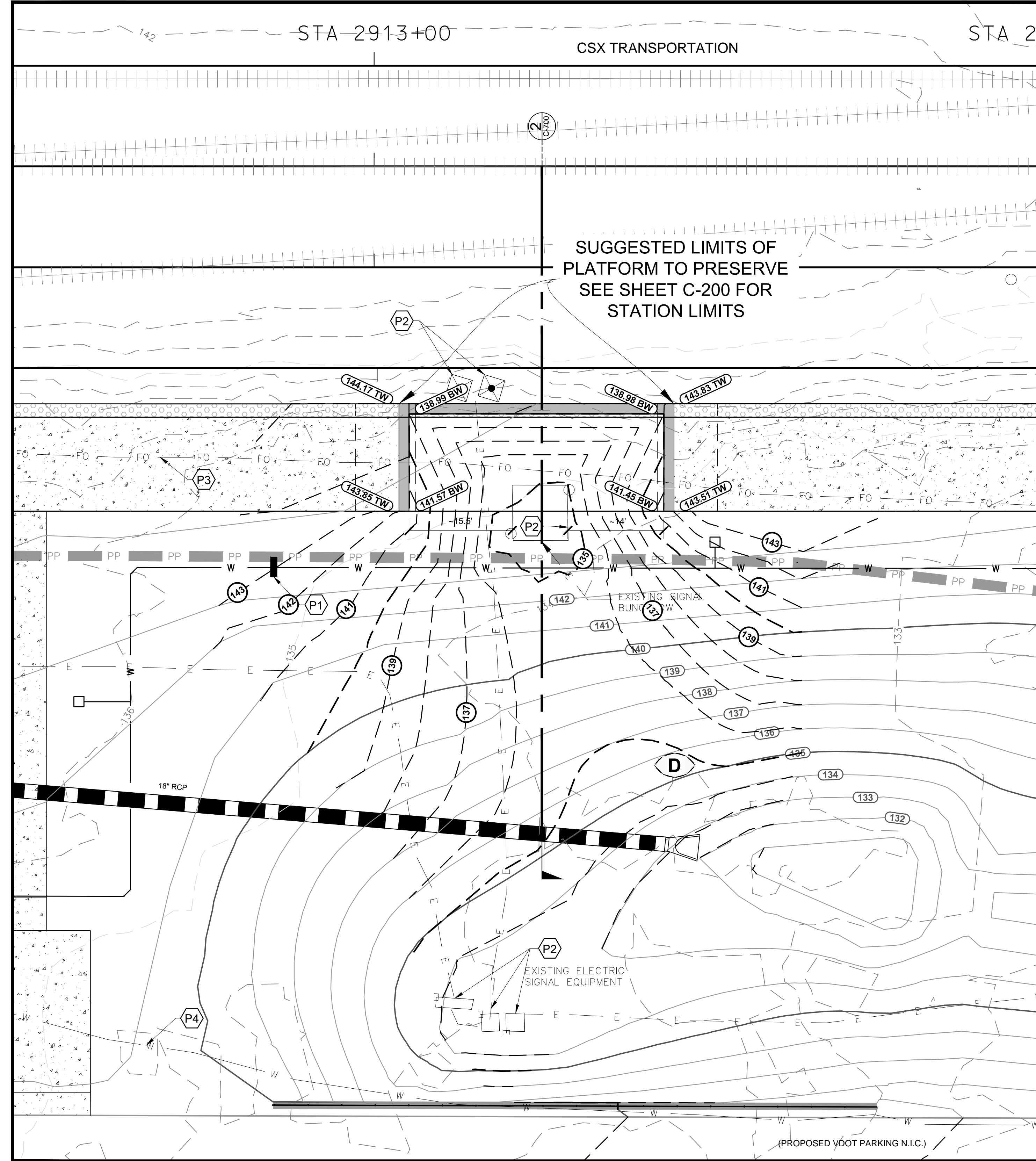


KEYED NOTES

- P1. PROVIDE TEMPORARY WATERLINE CAP UNTIL FINAL GRADING IS COMPLETE, THEN INSTALL REMAINING PORTION OF WATERLINE BEYOND STA 2912+85.
- P2. EXISTING ELECTRICAL UTILITIES TO REMAIN UNTIL THE TRACKWORK IS COMPLETE AND CSX PROVIDES NEW, POWERED SIGNAL AND SWITCHES.
- P3. EXISTING FIBER OPTIC TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION OF PLATFORM.
- P4. EXISTING 12" WATERLINE TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION OF STATION HEAD-HOUSE.
- P5. CONTRACTOR SHALL COMPLETE PHASE 1 CONSTRUCTION WITHIN 120 DAYS OF CONTRACT EXECUTION. THIS INCLUDES THE PORTION OF THE STATION PLATFORM FROM THE ACCESSIBLE RAMP (APPROXIMATE STA 2915+27) TO THE NORTH END OF PLATFORM ALONG WITH THE AREA SHOWN IN PHASING DIAGRAM ABOVE. PLATFORM AREA SOUTH OF 2915+27 SHOULD ALSO BE CONSTRUCTED NEXT ASSUMING ADJACENT TRACK WORK WILL SOON FOLLOW. CONTRACTOR MAY BEGIN CONSTRUCTION ON OTHER AREAS OF SITE IN ADDITION TO PHASE 1 WORK, BUT SIGNAL UTILITIES ARE TO BE PROTECTED AS SHOWN IN DETAIL 1, THIS SHEET.
- P6. CONSTRUCTION IN THIS AREA SHALL BE PHASED WITH INTERIM WORK PRIOR TO CSX SIGNAL AND SWITCH RELOCATION. ALL OTHER FINAL PLATFORM AND SITE WORK SHALL BE PERFORMED THEREAFTER.
- P7. THE CONTRACTOR SHALL USE REASONABLE AND NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF VRE COMMUTERS IF THE NORTH PLATFORM IS PUT INTO SERVICE AFTER COMPLETION OF PHASE 1.

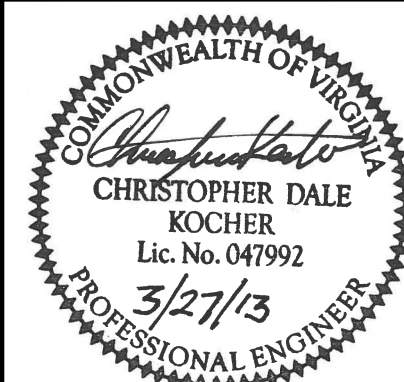
LEGEND

- PP EXISTING PLANTATION PIPELINE
- FO EXISTING FIBER OPTIC LINE
- E EXISTING ELECTRICAL LINE
- W EXISTING WATERLINE
- PROPOSED STORM DRAIN
- XXX EXISTING 1' CONTOUR
- W PROPOSED WATERLINE
- XXX PROPOSED 1' CONTOUR
- XXX TEMPORARY 1' CONTOUR



INTERIM CONSTRUCTION SEQUENCING DETAIL

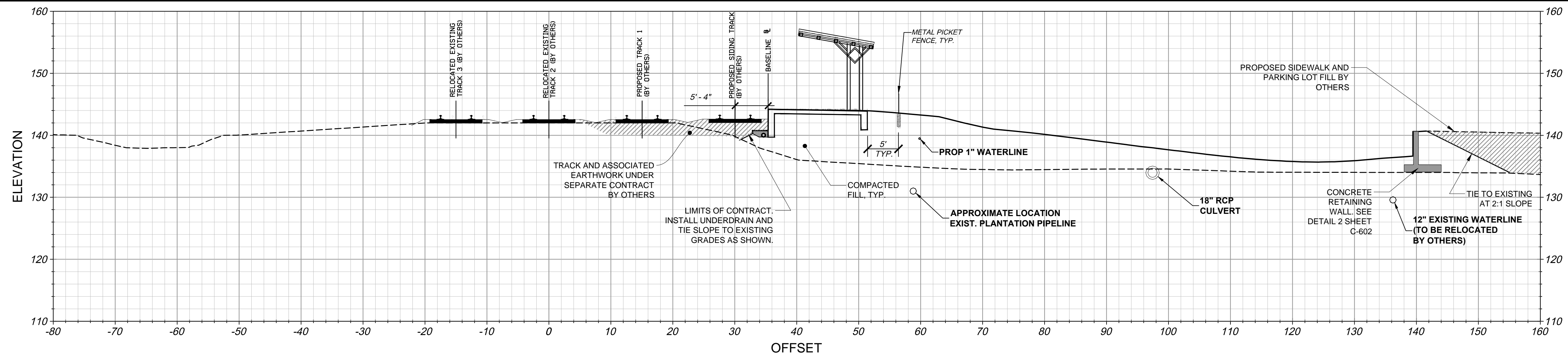
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		11/21/12			60% SUBMITTAL	DRAWN BY: JSN
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APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE: 03/27/13



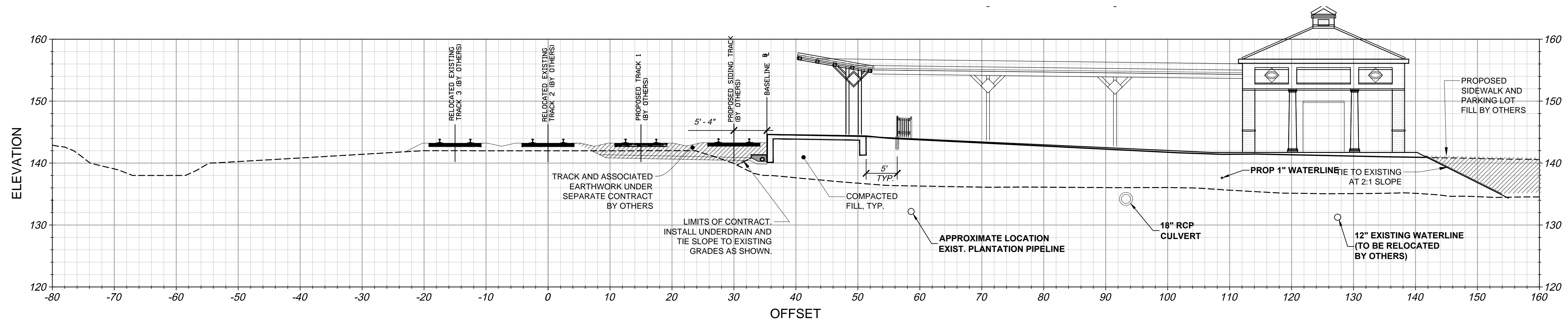
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SPOTSYLVANIA STATION
CONSTRUCTION PHASING PLAN

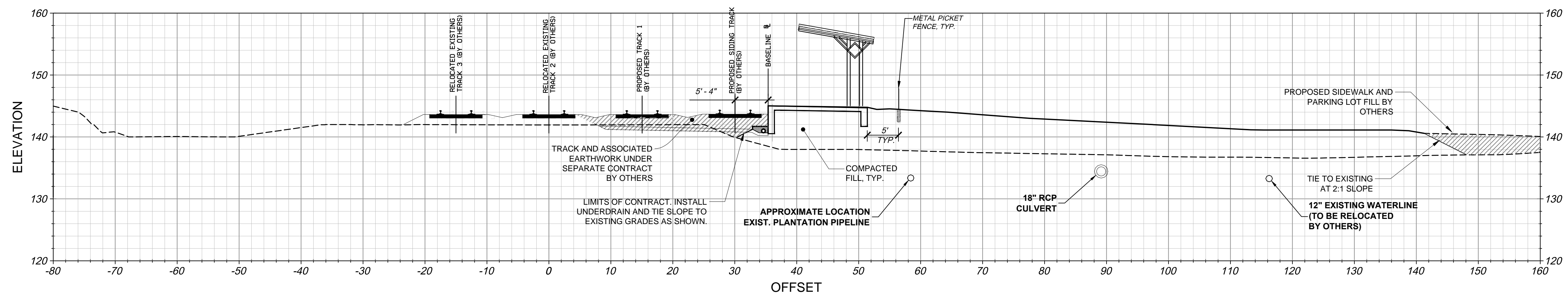
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DRAWING NO:	C-700
SCALE:	AS SHOWN
SHEET NO:	21 OF 66



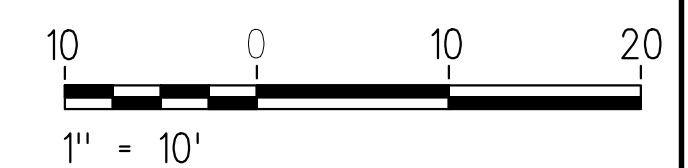
PLATFORM SECTION 2913+00 (3) C-800



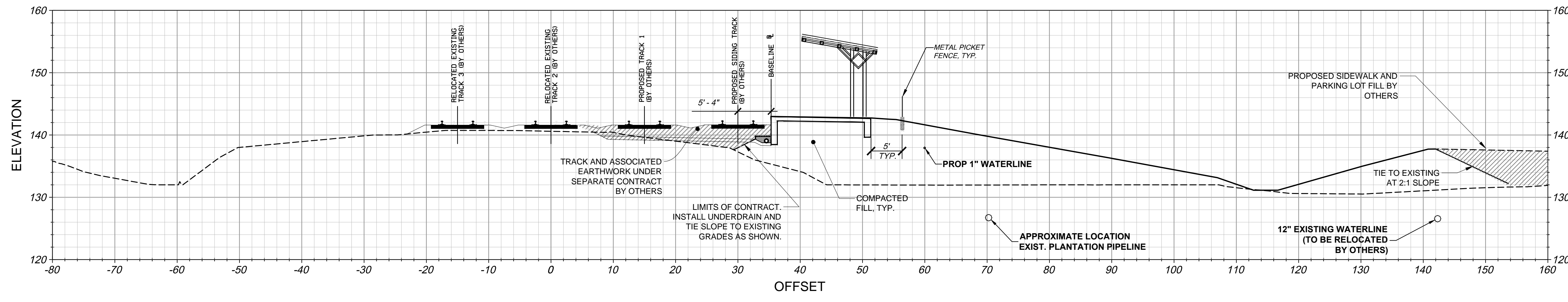
PLATFORM SECTION 2912+50 (2) C-800



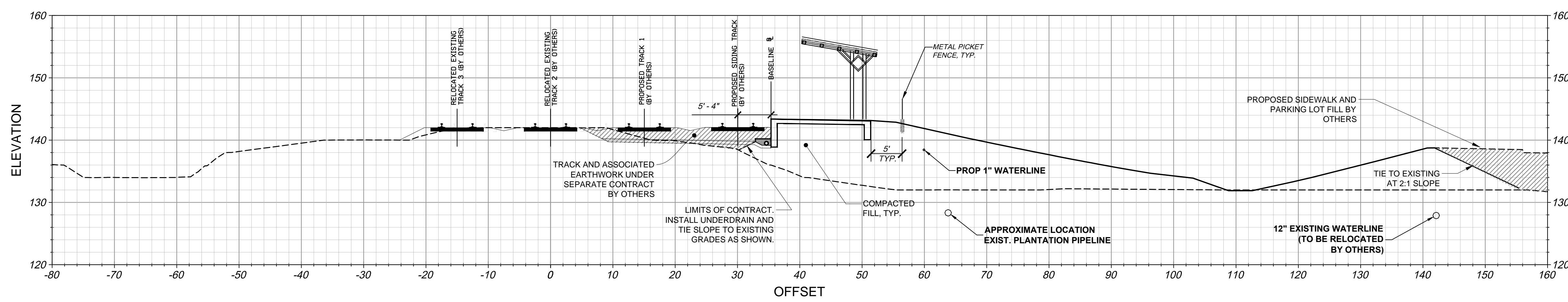
PLATFORM SECTION 2912+00 (1) C-800



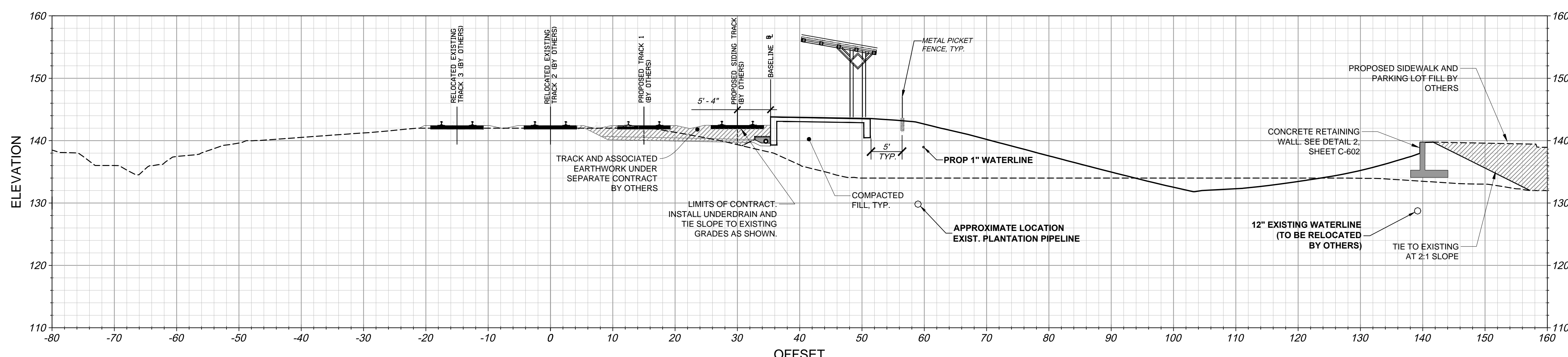
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION PLATFORM SECTIONS	IFB NO:	013-013
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APPROVED BY COUNTY		01/11/13			90% SUBMITTAL	DATE:					SHEET NO:	22 OF 66
		03/27/13			ISSUE FOR BID	AWP						



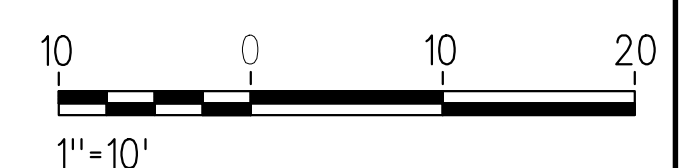
PLATFORM SECTION 2914+50 3
C-801



PLATFORM SECTION 2914+00 2
C-801



PLATFORM SECTION 2913+50 1
C-801



APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	CDK
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	JSN
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						AWP
						DATE:
						03/27/13

COMMONWEALTH OF VIRGINIA
Christopher Dale Kocher
 CHRISTOPHER DALE KOCHER
 Lic. No. 047992
 3/27/13
 PROFESSIONAL ENGINEER

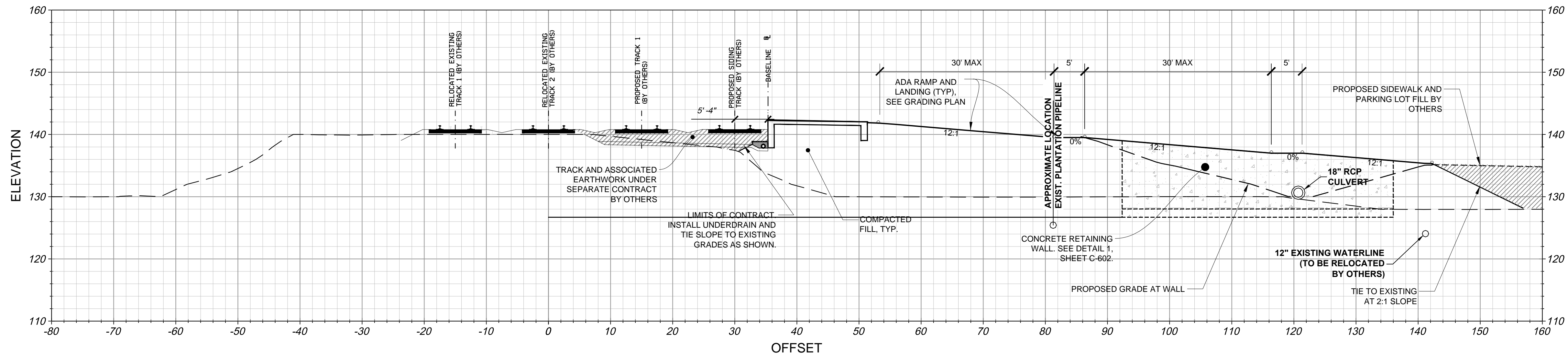


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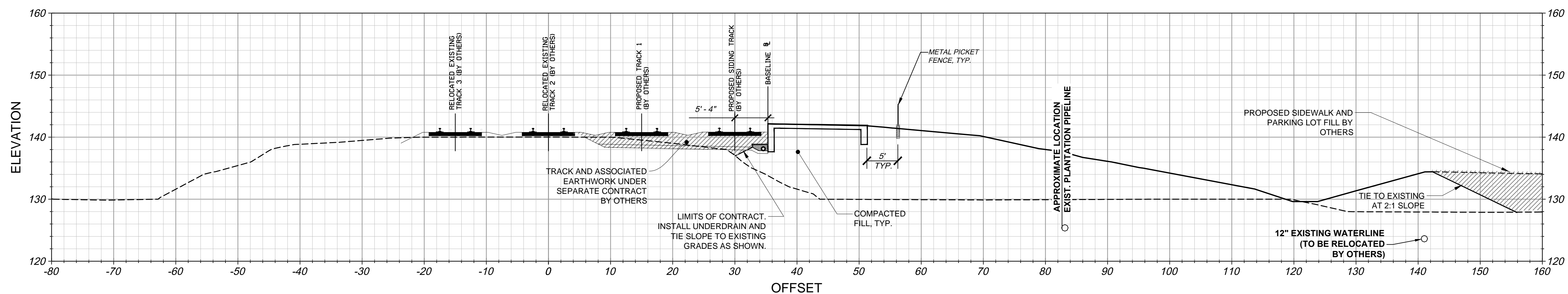
SPOTSYLVANIA STATION

PLATFORM SECTIONS

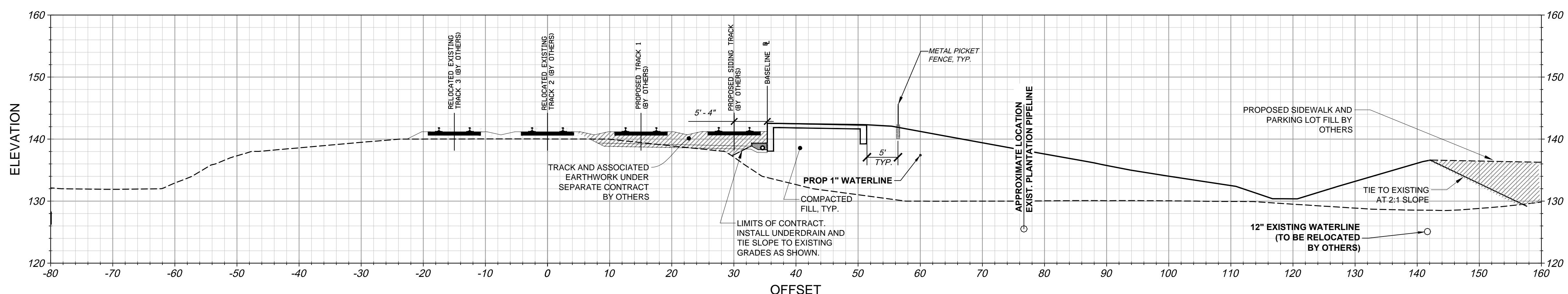
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DRAWING NO:	C-801
SCALE:	1" = 10'
SHEET NO:	23 OF 66



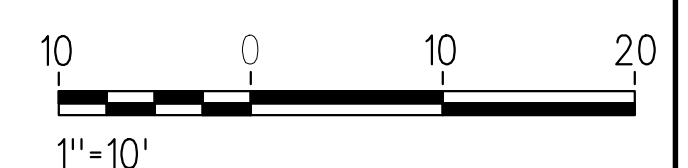
PLATFORM SECTION 2915+60 3
C-802



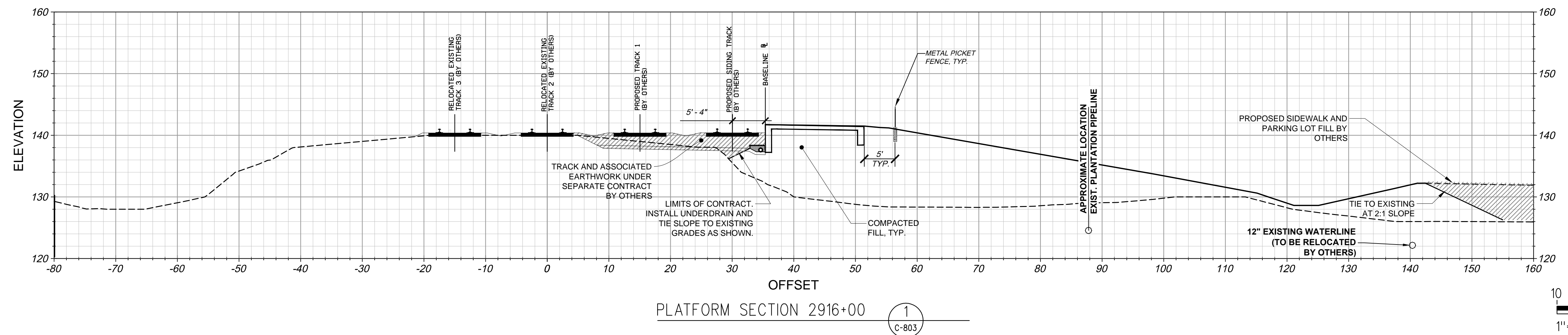
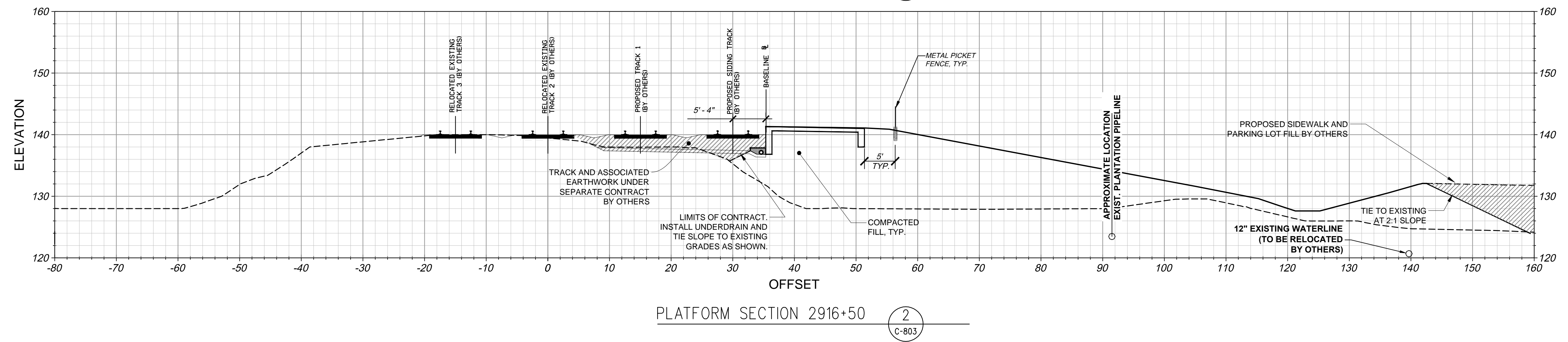
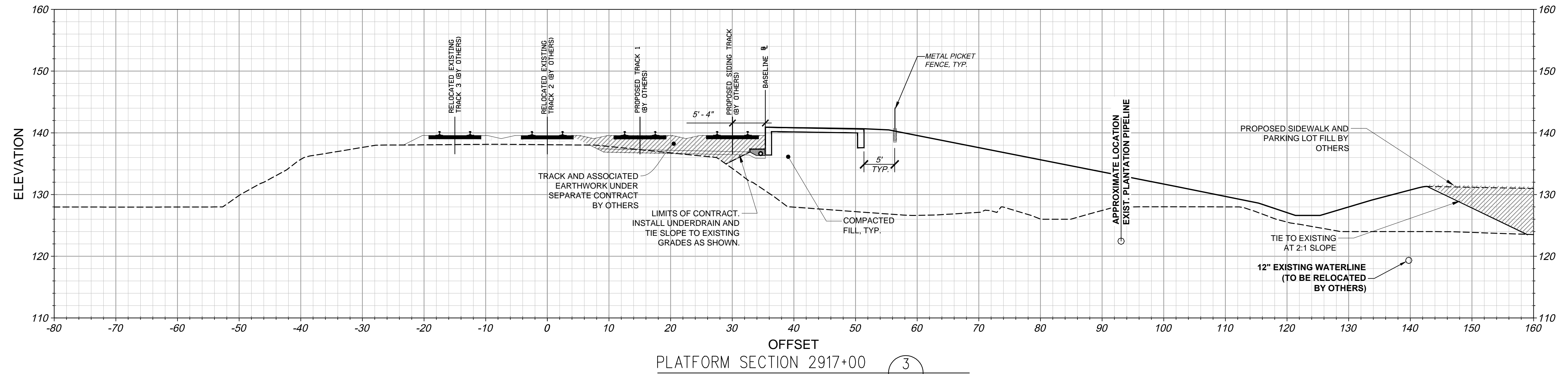
PLATFORM SECTION 2915+50 2
C-802



PLATFORM SECTION 2915+00 1
C-802

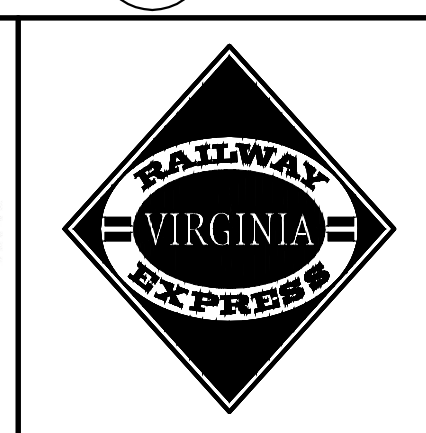


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		11/21/12			60% SUBMITTAL	JSN				CHECKED BY:	AWP				
		01/11/13			90% SUBMITTAL					DATE:	03/27/13				
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID										



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	CDK
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	JSN
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						AWP
						DATE:
						03/27/13

COMMONWEALTH OF VIRGINIA
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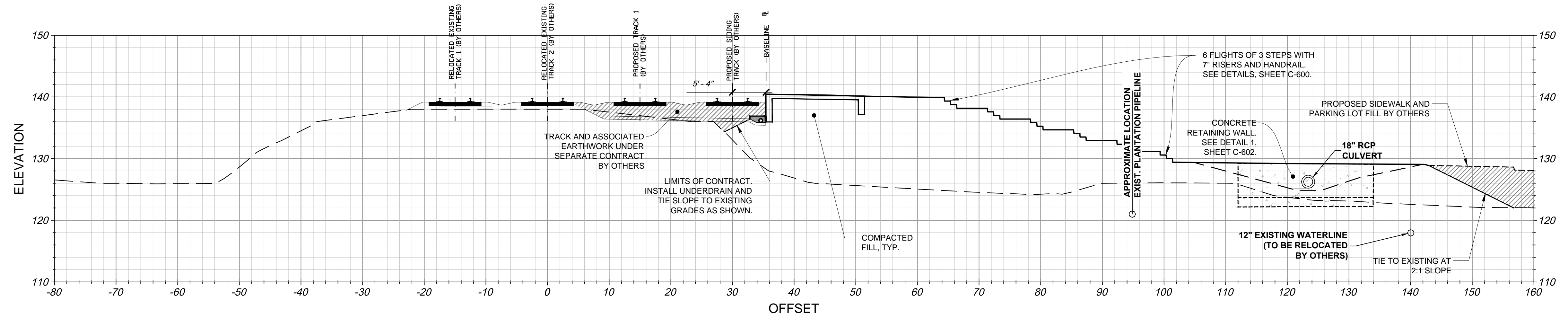


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SPOTSYLVANIA STATION

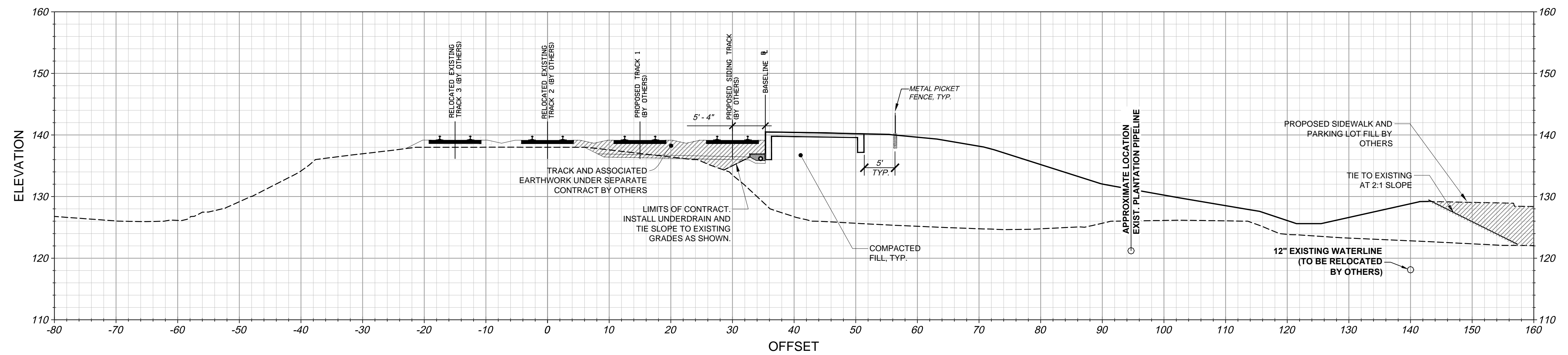
PLATFORM SECTIONS

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DRAWING NO:	C-803
SCALE:	1" = 10'
SHEET NO:	25 OF 66



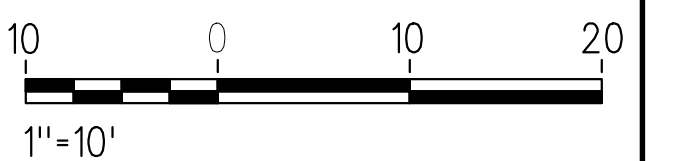
PLATFORM SECTION 2917+56

2
C-804



PLATFORM SECTION 2917+50

1
C-804

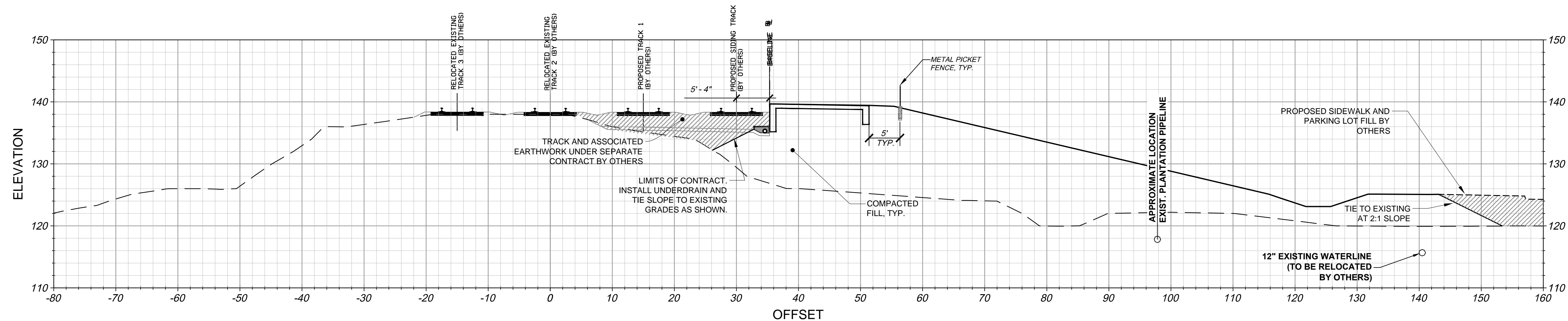


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APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
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						DATE:
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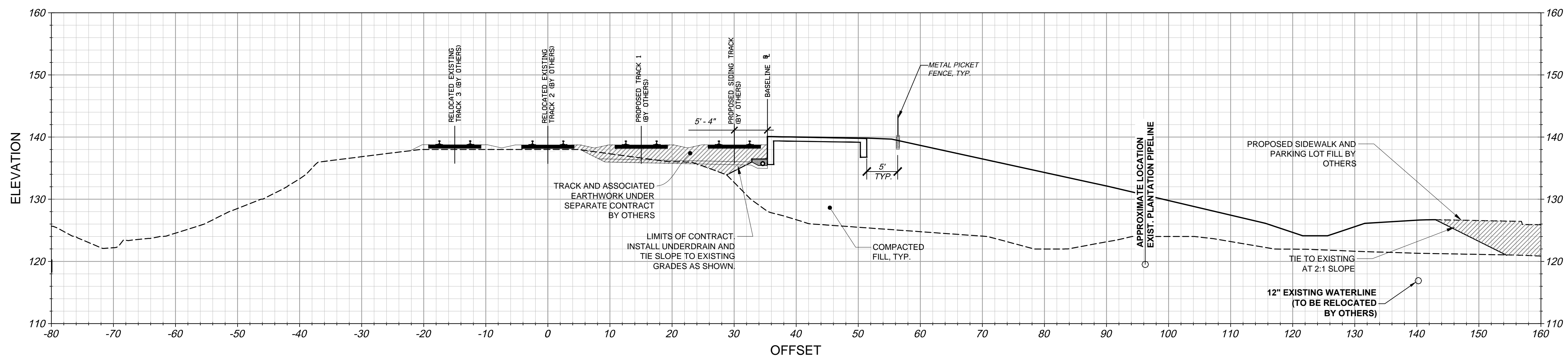
SPOTSYLVANIA STATION
PLATFORM SECTIONS

IFB NO:	013-013
DRAWING NO:	C-804
SCALE:	1" = 10'
SHEET NO:	26 OF 66



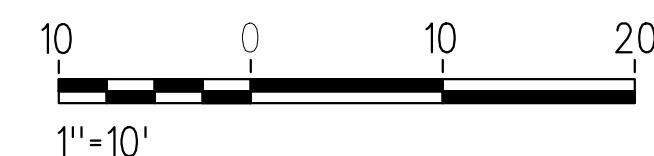
PLATFORM SECTION 2918+50

2
C-805



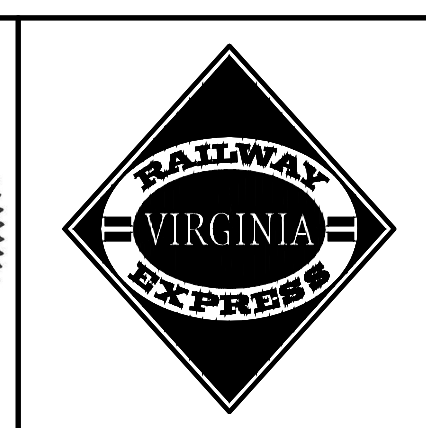
PLATFORM SECTION 2918+00

1
C-805



APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
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APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
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						DATE:
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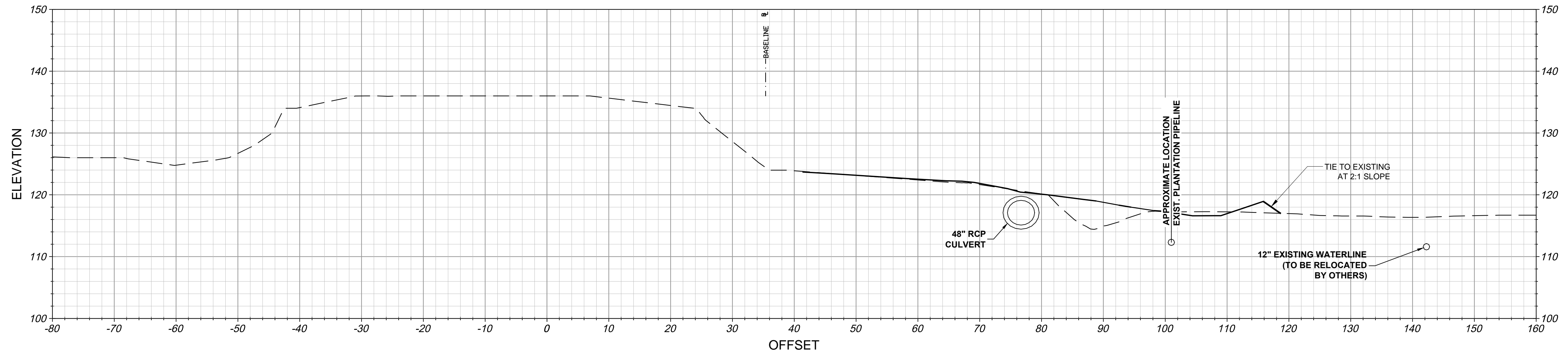


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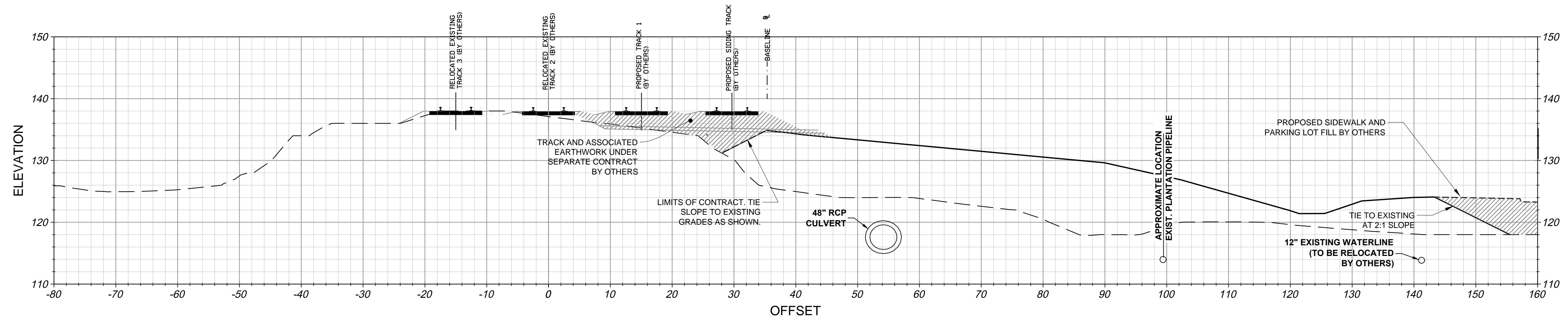
SPOTSYLVANIA STATION

PLATFORM SECTIONS

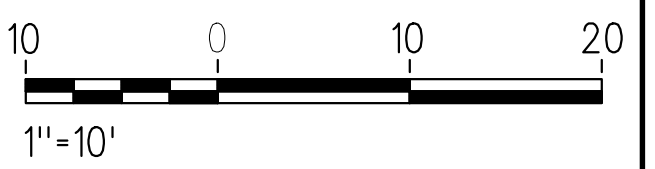
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SHEET NO:	27 OF 66

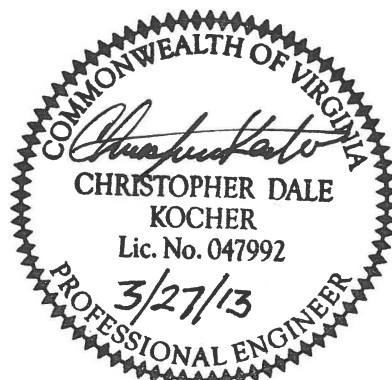


PLATFORM SECTION 2919+50 2
C-806



PLATFORM SECTION 2919+00 1
C-806



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						DRAWN BY:				CDK	DRAWING NO:	C-806		
						CHECKED BY:				JSN	SCALE:	1" = 10'		
APPROVED BY COUNTY						DATE:				AWP	SHEET NO:	28 OF 66		

ABBREVIATIONS

<p>A</p> <p>AB ANCHOR BOLT AC ASPHALT CONCRETE A/C AIR CONDITIONER ACT ACOUSTICAL CEILING TILE AD AREA DRAIN ADDNL ADDITIONAL ADJ ADJUSTABLE ADR ACCESS DOOR AESS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL AFF ABOVE FINISH FLOOR AHU AIR HANDLER UNIT ALUM ALUMINUM ANCH ANCHOR AP ACCESS PANEL APPROX APPROXIMATE ARCH ARCHITECTURAL AUTO AUTOMATIC AW AREAWAY</p> <p>B</p> <p>B BASE CABINET BD BOARD BLDG BUILDING BLK, BLKG BLOCK, BLOCKING BM BEAM, BENCH MARK BO BOTTOM OF BOT BOTTOM BRG BEARING</p> <p>C</p> <p>CAB CABINET CB CATCH BASIN C/C CENTER TO CENTER CCTV CLOSED CIRCUIT TELEVISION CFM CUBIC FEET PER MINUTE CG CORNER GUARD CIP CAST-IN-PLACE CJ CONTROL JOINT CLG CEILING CLK CAULK CL CLOSET CLR CENTER LINE CMU CONCRETE MASONRY UNIT CNTR COUNTER COL COLUMN COMM COMMUNICATION COMP COMPRESSIBLE CONC CONCRETE CONN CONNECTION CONST CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR CORR CORRIDOR CP COMMUNICATION PANEL CPT CARPET CS CONCRETE SLAB CT CERAMIC TILE CTG COATING</p> <p>D</p> <p>DBL DOUBLE DDCA DOUBLE DETECTOR CHECK ASSEMBLY DEMO DEMOLITION DET DETAIL DFT DRINKING FOUNTAIN DIA DIAMETER DIFF DIFFUSER DIM DIMENSION DN DOWN DR DOOR DRW DRAWER DS DOWNSPOUT DTL DETAIL DWG DRAWING</p> <p>E</p> <p>EA EACH EF EACH FACE EJ EXPANSION JOINT EL ELEVATION ELEC ELECTRIC, ELECTRICAL ELEV ELEVATION, ELEVATOR EMER EMERGENCY ENCL ENCLOSURE EP EPOXY PAINT, ELECTRICAL PANEL EPDM ETHYLENE PROPYLENE DIENE MONOMER EQ EQUAL EQPT EQUIPMENT ES EACH SIDE EWC ELECTRIC WATER COOLER EXIST EXISTING EXP EXPANSION, EXPANDING, EXPOSED EXT EXTERIOR</p> <p>F</p> <p>FC FILLER PANEL FD FILE CABINET FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FDN FOUNDATION FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER CABINET FFL FINISHED FLOOR FG FINISH GRADE FH FIRE HYDRANT FHC FIRE HOSE CABINET FIN FINISH FL, FLR FLOOR FLUOR FLUORESCENT FNR FEMININE NAPKIN RECEPTACLE FNTD FEMININE NAPKIN TAMPON DISPENSER FOC FACE OF CONCRETE FOP FACE OF PARTITION FOS FACE OF STUDS FOW FACE OF WALL FP FIREPROOF, FIREPROOFING FSS FOLDING SHOWER SEAT FT FOOT, FEET FTG FOOTING FURN FURNISH FURRN FURNISHING FVC FIRE VALVE CABINET</p>	<p>G</p> <p>GA GAUGE GALV GALVANIZED GB GYPSUM BOARD GC GENERAL CONTRACTOR GL GLASS GFRC GLASS-FIBER REINFORCED CONCRETE GND GROUND GRD GRADE GRB GRAB BAR GYP GYPSUM</p> <p>H</p> <p>HB HOSE BIBB HCP HANDICAPPED HD HEAD HDWD HARDWOOD H, HGT HEIGHT HM HOLLOW METAL HORIZ, HOR HORIZONTAL HPT HIGH POINT HR HANDRAIL, HOUR HSS HOLLOW STRUCTURAL SHAPE HVAC HEATING, VENTILATING AND AIR CONDITIONING HW HOT WATER HEATER</p> <p>I</p> <p>IBC INTERNATIONAL BUILDING CODE IECC INTERNATIONAL ENERGY CONSERVATION CODE IFGC INTERNATIONAL FUEL GAS CODE IMC INTERNATIONAL MECHANICAL CODE IMP INSULATED METAL PANEL IN INCH INSUL INSULATION INT INTERIOR IPC INTERNATIONAL PLUMBING CODE</p> <p>J</p> <p>JAN JANITOR JST JOIST JT JOINT</p> <p>K</p> <p>KIPS THOUSAND POUNDS KS KNEE SPACE</p> <p>L</p> <p>L LONG, LENGTH LAM LAMINATED LAV LAVATORY LBS POUNDS LC LOCKABLE CABINET LF LINEAR FEET LKR LOCKER LLH LONG LEG HORIZONTAL LLV LONG LEG VERTICAL</p> <p>M</p> <p>MAS MASONRY MATL MATERIAL MAX MAXIMUM MBH MOP AND BROOM HOOK MDO MEDIUM DENSITY OVERLAY MECH MECHANICAL MEMB MEMBRANE MFR MANUFACTURER, MANUFACTURED MH MANHOLE MHS MOP HOLDER SHELF MIN MINIMUM MIR MIRROR MISC MISCELLANEOUS MO MASONRY OPENING MOD MODULAR MPH MILES PER HOUR MRGB MOISTURE RESISTANT GYPSUM BOARD MTD MOUNTED MTL METAL MUL MULLION</p> <p>N</p> <p>N NORTH NEC NATIONAL ELECTRICAL CODE NIC NOT IN CONTRACT NOM NOMINAL NO NUMBER NTS NOT TO SCALE</p> <p>O</p> <p>OA OVERALL OC ON CENTER OCC OCCUPANCY OD OUTSIDE DIAMETER OR DIMENSION OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OFF OFFICE OFI OWNER FURNISHED, OWNER INSTALLED OH OVERHEAD OPNG OPENING OPP OPPOSITE</p> <p>P</p> <p>PART PARTICLE PIV PRESSURE INDICATOR VALVE PL PLATE PLAM PLASTIC LAMINATE PLAS PLASTER PLBG PLUMBING PLYWD PLYWOOD PN PORCELAIN TILE PR PAIR PREFAB PREFABRICATED PREFIN PREFINISHED PSF POUNDS PER SQUARE FOOT PT POINT, PRESSURE TREATED, PAINT PTD PAPER TOWEL DISPENSER PTDR PAPER TOWEL DISPENSER RECEPTACLE</p>	<p>R</p> <p>R RISER, RADIUS, THERMAL RESISTANCE RB RESILIENT BASE RCP REFLECTED CEILING PLAN RD ROOF DRAIN RDO ROOF DRAIN OVERFLOW REC RECESSED REF, RE REFERENCE REFR REFRIGERATOR REINF REINFORCING REQ, REQ'D REQUIRED RE SINUSOUS RESIL RESILIENT REV REVISION, REVISED RM ROOM RO ROUGH OPENING ROBE ROBE HOOK</p> <p>S</p> <p>SCR SHOWER CURTAIN ROD SD SMOKE DETECTOR, SOAP DISPENSER SECT SECTION SF SQUARE FEET SFFPC VIRGINIA STATEWIDE FIRE PREVENTION CODE SH SPRINKLER HEAD, SHELF, SHEET SHT SHEET SHWR SHOWER SIM SIMILAR SK SINK SP SPACE, STANDPIPE, SPEAKER SPEC SPECIFICATION SPKLR SPRINKLER SND SANITARY NAPKIN DISPENSER SNR SANITARY NAPKIN RECEPTACLE SQ SQUARE SS STAINLESS STEEL STC SOUND TRANSMISSION CLASS STANDARD STD STIFFENER STL, ST STEEL STOR STORAGE STRUCT STRUCTURAL, STRUCTURE SUSP SUSPENDED SYM SYMMETRICAL</p> <p>T</p> <p>T TILE, TREAD, TOP, TRANSFORMER T&B TOP AND BOTTOM TB TOWEL BAR TEL TELEPHONE TEMP TEMPERED TERR TERRAZZO TH THICK, THRESHOLD THRU THROUGH TLT TOILET TO TOP OF TOC TOP OF CURB, TOP OF CONCRETE TOS TOP OF STEEL TOW TOP OF WALL TP TELEPHONE PANEL TTD TOILET TISSUE DISPENSER TV TELEVISION TYP TYPICAL</p> <p>U</p> <p>UC UNDER COUNTER, UNDER CABINET UL UNDERWRITERS' LABORATORIES UNEXC UNEXCAVATED UNO UNLESS NOTED OTHERWISE UR URINAL</p> <p>V</p> <p>V VOLTS VCT VINYL COMPOSITION TILE VB VAPOR BARRIER, VALVE BOX VDS VINYL DIVIDER STRIP VERT VERTICAL VEST VESTIBULE VT VINYL TILE VUSBC VIRGINIA UNIFORM STATEWIDE BUILDING CODE</p> <p>W</p> <p>W WEST, WIDE, WALL CABINET W/ WITH WB WALL BASE WC WATER CLOSET WD WOOD WDW WINDOW WG WIRE GLASS W/O WITHOUT WP WATERPROOF, WORKING POINT WM WATERMETER WWF WELDED WIRE FABRIC</p> <p>Y</p> <p>Y YARD DRAIN</p> <p>@</p> <p>@ AT</p>
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SYMBOLS

SECTION CUT

TOP - SECTION IDENTIFICATION NO.
BOTTOM - DRAWING ON WHICH SECTION IS DRAWN
OUTSIDE - OPTIONAL ANNOTATIONS

EXTERIOR ELEVATION

TOP - ELEVATION IDENTIFICATION NO.
BOTTOM - DRAWING ON WHICH ELEVATION IS DRAWN
OUTSIDE - OPTIONAL ANNOTATIONS

DETAIL INDICATION

TOP - DETAIL OR ASSEMBLY IDENTIFICATION NO.
BOTTOM - DRAWING ON WHICH DETAIL IS DRAWN
OUTSIDE - OPTIONAL ANNOTATIONS

DETAIL REFERENCE BUBBLE

TOP - DETAIL OR ASSEMBLY IDENTIFICATION NO.
BOTTOM - DRAWING ON WHICH DETAIL IS DRAWN
OUTSIDE - OPTIONAL ANNOTATIONS

PLAN

TOP - DETAIL OR ASSEMBLY IDENTIFICATION NO.
BOTTOM RIGHT - SCALE
BOTTOM LEFT - DRAWING ON WHICH DETAIL IS DRAWN
IS DRAWN
OUTSIDE - OPTIONAL ANTECEDENT DRAWING

NORTH SYMBOL

ROOM IDENTIFICATION NUMBER

COLUMN LINE AND GRID BUBBLE

DOOR, WINDOW, LOUVER TYPE AND NO.

MATERIAL KEYNOTE

SIGNAGE

PARTITION TYPE

INTERIOR ELEVATION MARK

ELEVATION DATUM POINT AND/OR WORK POINT

EQUIPMENT NUMBER

FENCE LINE

PROPERTY LINE

ARCHITECTURAL MATERIAL SYMBOLS

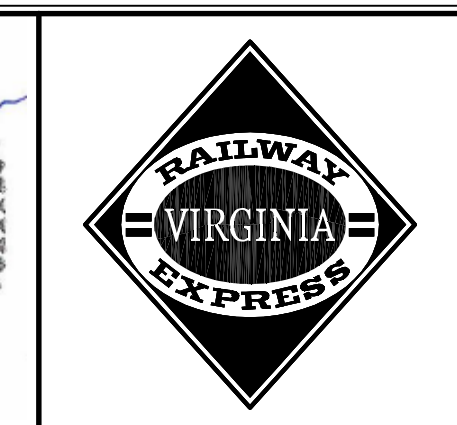
EARTH ETC.		GRAVEL		PARTITION	
CONCRETE		WOOD		BLOCKING	
METALS	STEEL	ALUMINUM	GYPSUM	WALLBOARD	
BRICK	FACE	COMMON	GLASS	LARGE SCALE	SMALL SCALE
CMU		INSULATION	BATTS OR LOOSE	RIGID	

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL NEW AND EXISTING CONDITIONS AND DIMENSIONS AT JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AT ONCE, AND AT LEAST FIVE (5) DAYS PRIOR TO PROCEEDING WITH WORK, OF ANY INCONSISTENCIES OR OMISSIONS DISCOVERED.
2. DIMENSIONS: DO NOT SCALE DRAWINGS. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS. AT LEAST FIVE (5) DAYS PRIOR TO COMMENCING WORK, DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL THE WORK OF ALL TRADES. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATIONS BEFORE THE COMMENCEMENT OR RESUMPTION OF WORK.
3. THE CONTRACTOR SHALL PROTECT ALL FINISHED WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AND SHALL REPLACE AND REPAIR ALL DAMAGE CAUSED BY NEW WORK TO EXISTING AREAS OF THE SITE. CONSTRUCTION WORK, FINISH CONSTRUCTION WORK, ELECTRICAL AND MECHANICAL SYSTEMS CAUSED BY THE CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND ARCHITECT TO MATCH EXISTING CONDITIONS OR AS FOUND PRIOR TO THE DAMAGE.
4. POWER DRIVEN FASTENERS SHALL BE USED ONLY IN PROTECTED LOCATIONS.
5. FIRE EXTINGUISHERS: MAINTAIN FULLY CHARGED, UL LABELED, MINIMUM 10 LB. ABC FIRE EXTINGUISHER AT EVERY LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2A WITHIN A 75 FOOT TRAVEL DISTANCE OF ALL PORTIONS OF BUILDING WITHIN SCOPE.
6. FINAL CLEAN UP AND DISPOSAL: REMOVE DEBRIS, RUBBISH AND WASTE MATERIAL FROM THE OWNER'S PROPERTY TO A LAWFUL DISPOSAL AREA AND PAY ALL HAULING AND DUMPING COSTS. CONFORM TO PERTAINING FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDERS. UPON COMPLETION OF WORK, ALL CONSTRUCTION AREAS SHALL BE LEFT VACUUM-CLEAN AND FREE FROM DEBRIS. CLEAN ALL DUST, DIRT, STAINS, HAND MARKS, PAINT SPOTS, DROPPINGS, AND OTHER BLEMISHES.
7. CONTACT BETWEEN DISSIMILAR METALS SHALL BE PROTECTED BY COATING WITH BITUMINOUS PAINT, BY THE USE OF TAPE, OR BY OTHER METHODS. SEE SPECIFICATIONS.
8. FIRE SAFETY METHODS DURING CONSTRUCTION SHALL COMPLY WITH LOCAL FIRE CODES FOR FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION OF A BUILDING.
9. PROTECTION DURING WELDING: CONFORM TO LOCAL CODES. FURTHER PROTECT OCCUPANTS AND THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND THE LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION. CONTACT THE LOCAL FIRE AUTHORITY FOR THE WELDING PERMIT.
10. THE CONTRACTOR SHALL MAINTAIN PROPER BARRICADES, RAILINGS, GUARDS, LIGHTS, OR ANY OTHER TEMPORARY DEVICES NECESSARY FOR THE PROTECTION OF LIFE AND PROPERTY
11. INTERIOR WALL AND CEILING FINISHES SHALL NOT EXCEED A FLAME-SPREAD CLASSIFICATION OF 25 (CLASS A).
12. WHERE A SPECIFIC CONDITION IS DETAILED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS ARE THE SAME UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE
13. LARGER SCALE DETAIL DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DETAIL DRAWINGS
14. CONTRACTOR SHALL COORDINATE, IN ADVANCE OF INSTALLATION, WITH ALL EQUIPMENT MANUFACTURERS FOR ALL ROUGH-IN REQUIREMENTS
15. CONTRACTOR SHALL PROVIDE APPROVED WALL BACKING FOR ALL WALL-HUNG EQUIPMENT ACCORDING TO EITHER TYPICAL BACKING DETAIL ON THE PROJECT DRAWING OR MANUFACTURER'S STANDARD DETAIL, WHICHEVER IS MORE STRINGENT.
16. CONTRACTOR SHALL PROVIDE AND INSTALL ACCESS PANELS, SIZED AS REQUIRED AT ALL CONCEALED MECHANICAL AND PLUMBING ITEMS THAT REQUIRE SERVICE OR ACCESS (VALVES, FIRE DAMPERS, BALANCING DAMPERS, DUCT HEATERS, ETC.). ACCESS PANELS IN RATED CEILING AND PARTITIONS SHALL HAVE APPROPRIATE U.L. LABEL.

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

DESIGNED BY: AWP	
DRAWN BY: KEF	
CHECKED BY: AWP	
DATE: 03/27/13	



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<h1 style="margin: 0;">SPOTSYLVANIA STATION</h1> <h2 style="margin: 0;">LEGENDS, ABBREVIATIONS AND SYMBOLS</h2>	<p>IFB NO: 013-013</p> <p>DRAWING NO: A-001</p> <p>SCALE: NONE</p> <p>SHEET NO: 29 OF 66</p>
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9 NOT USED

7 WATER CLOSET
SCALE: N.T.S.

6 LAVATORY
SCALE: N.T.S.

3 TYPICAL ACCESSIBLE TOILET PLAN
SCALE: N.T.S.

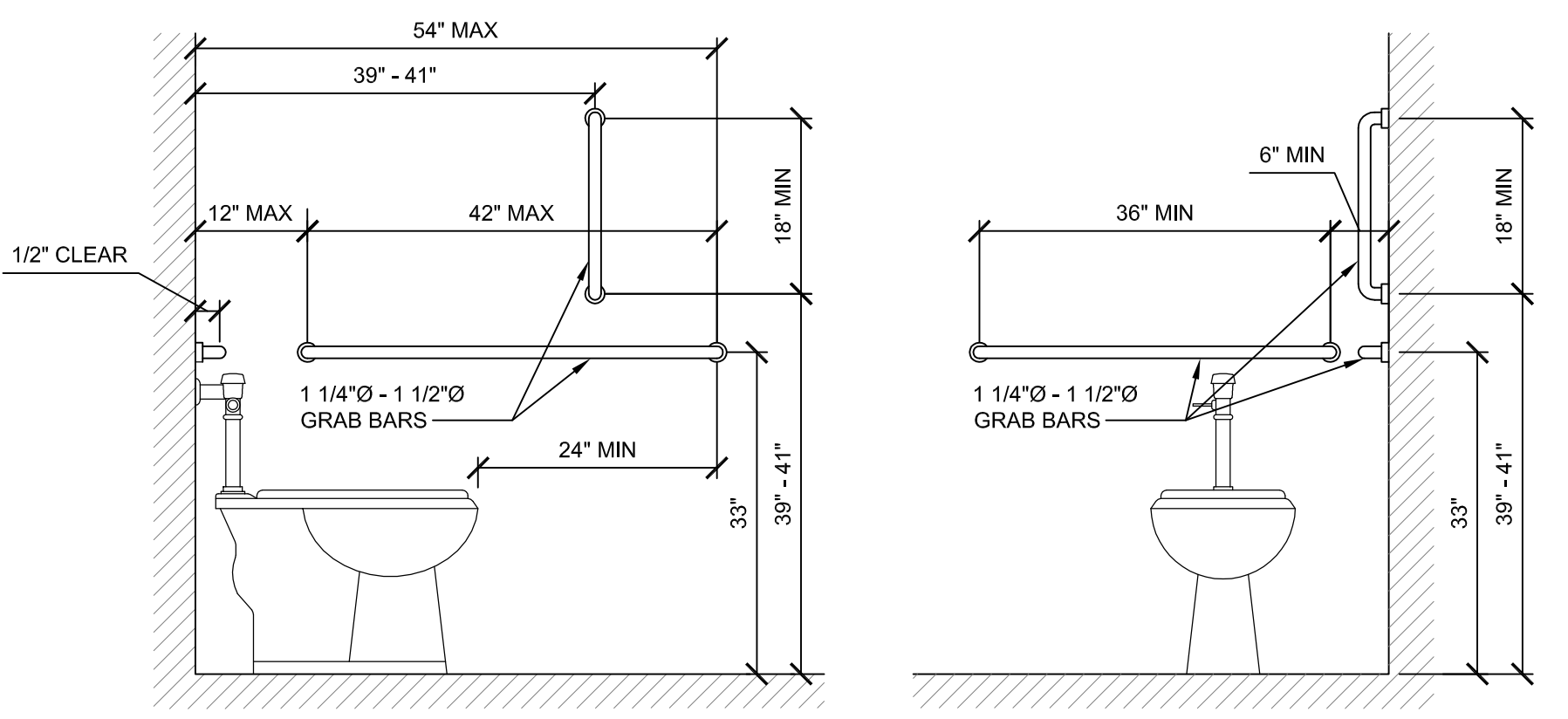
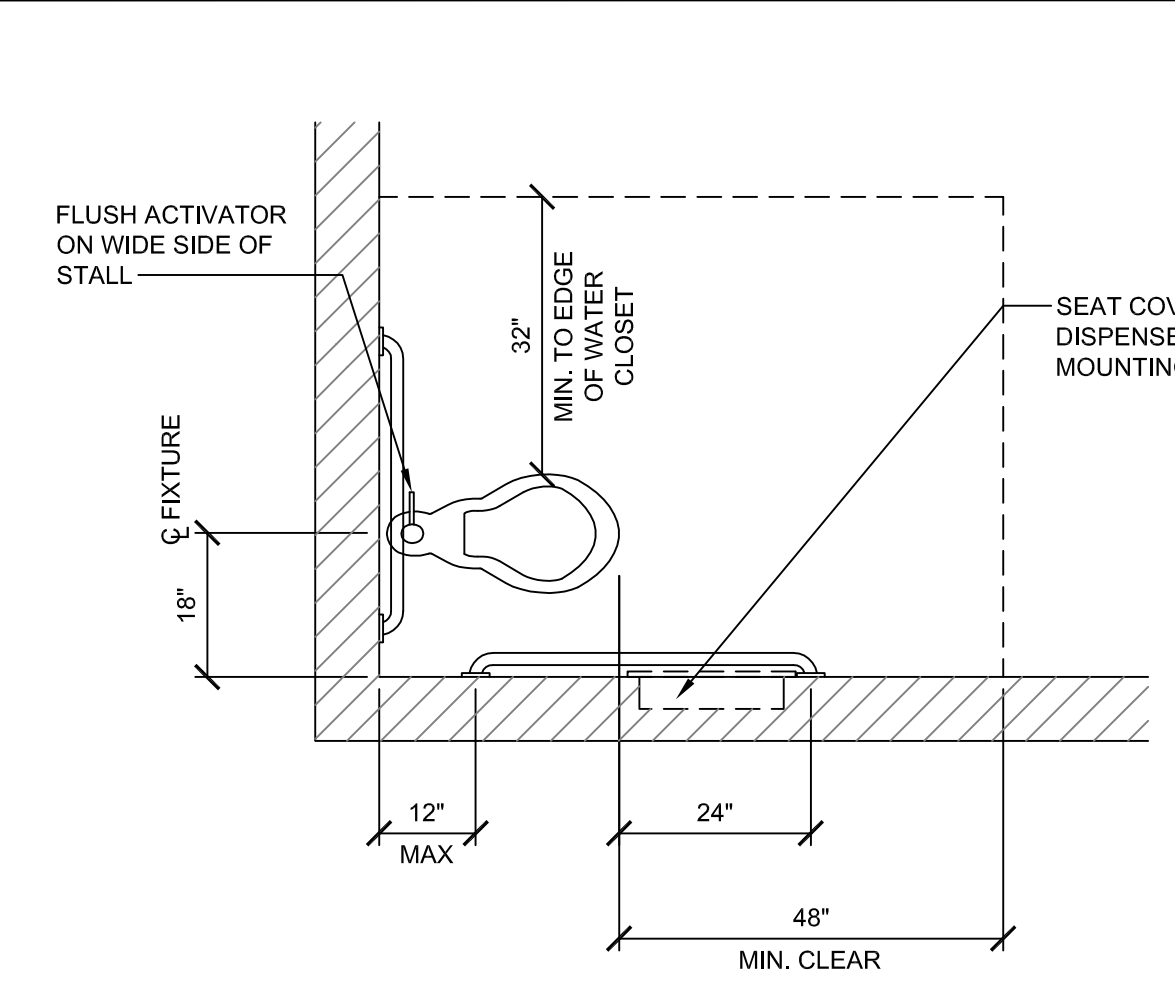
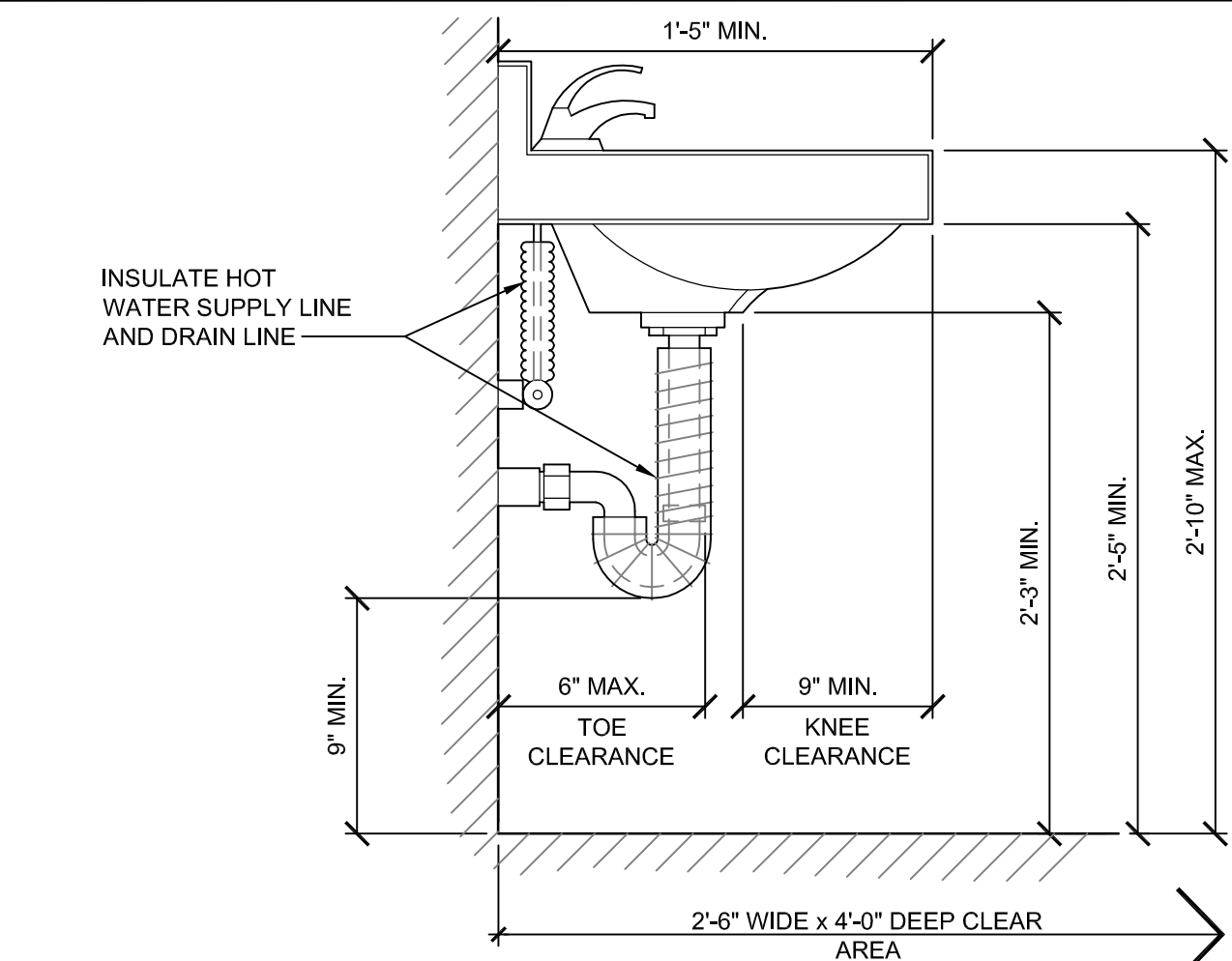
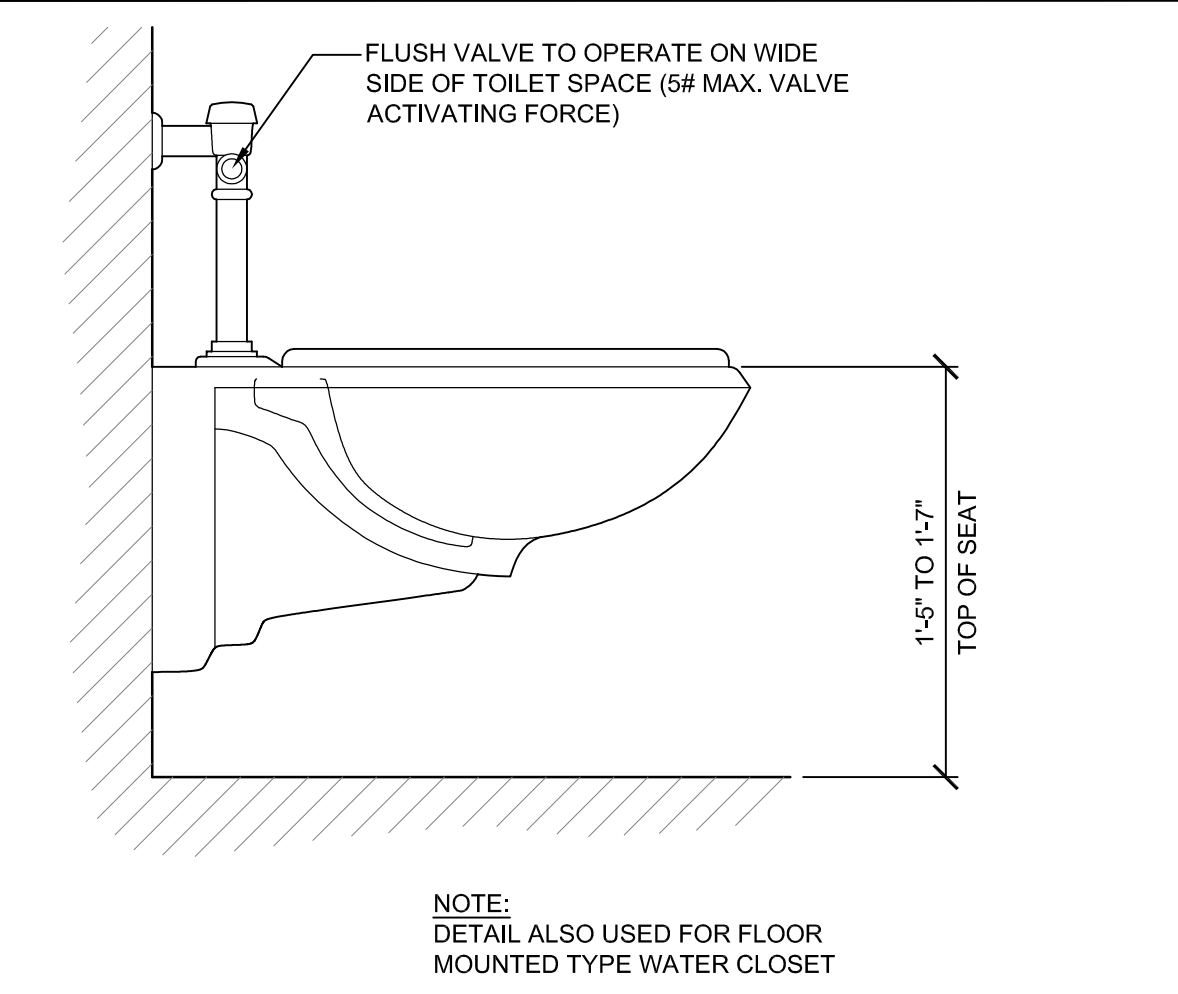
5 TOILET ACCESSORIES (GRAB BARS)
SCALE: N.T.S.

2 URINAL
SCALE: N.T.S.

8 NOT USED

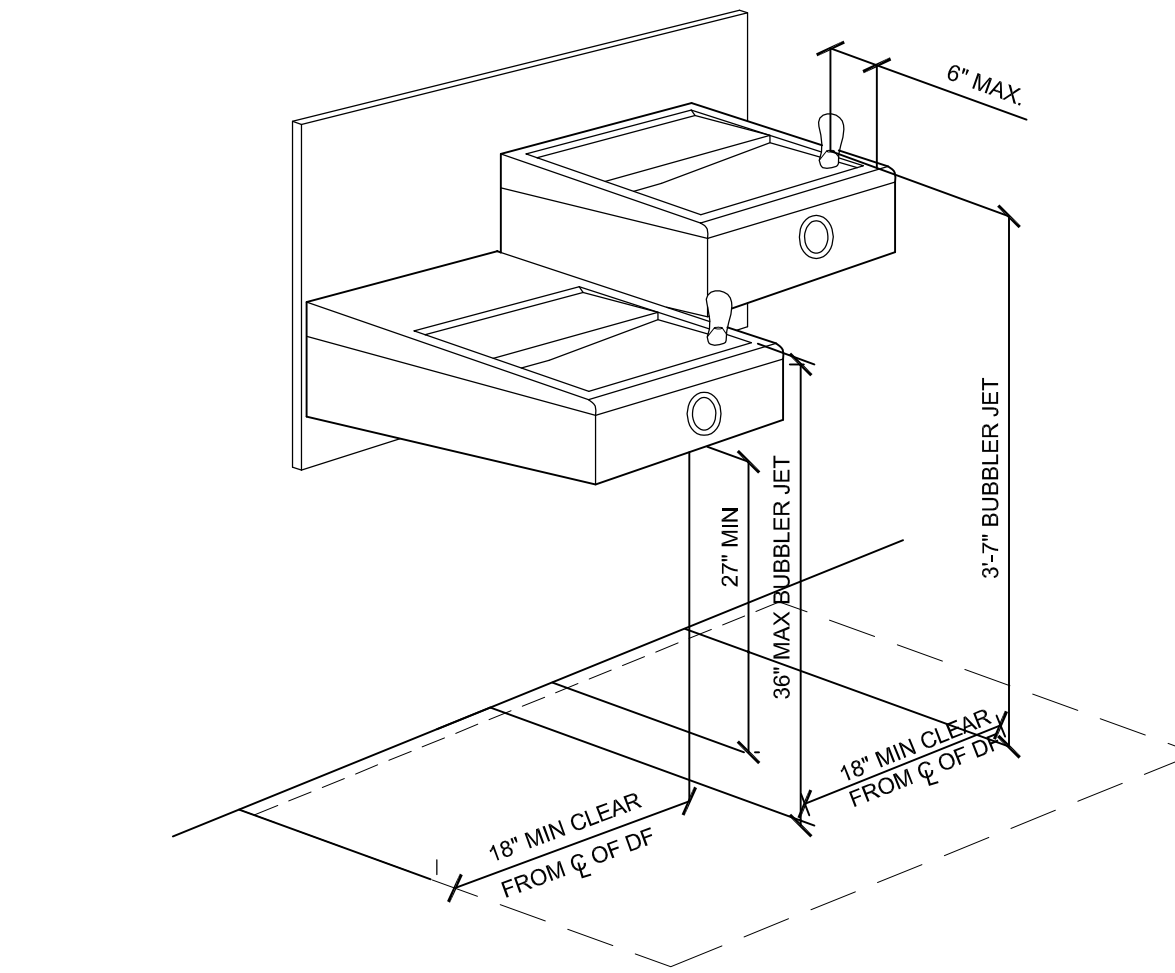
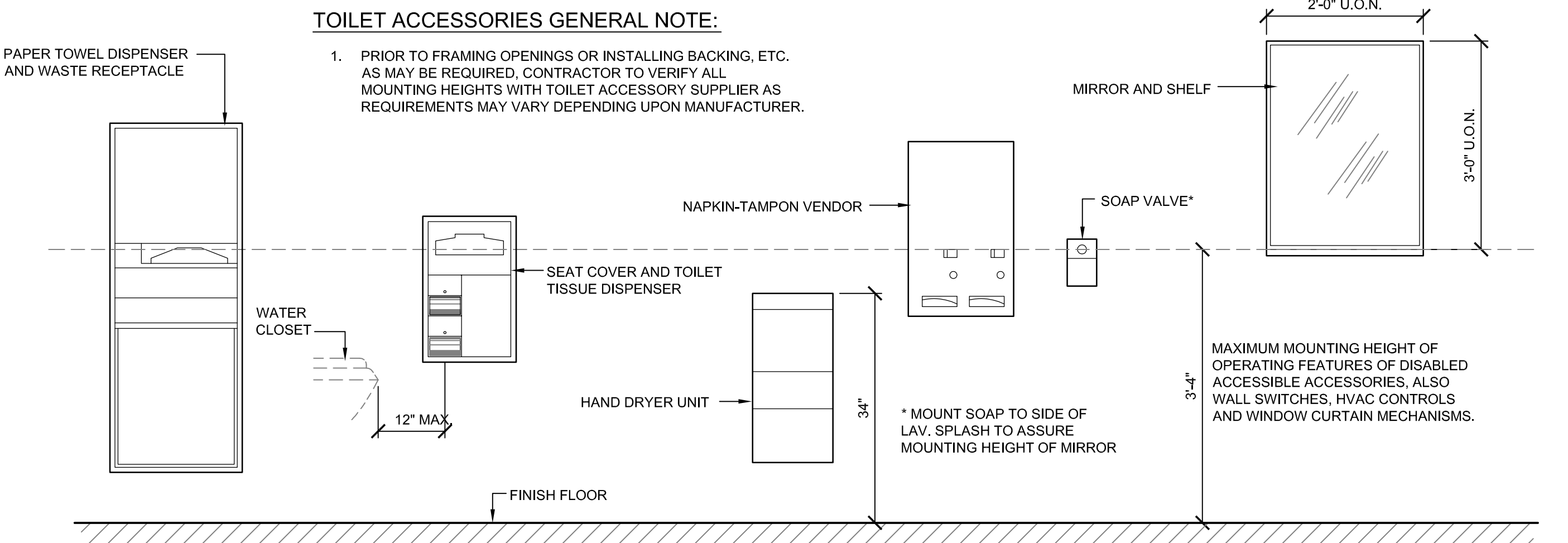
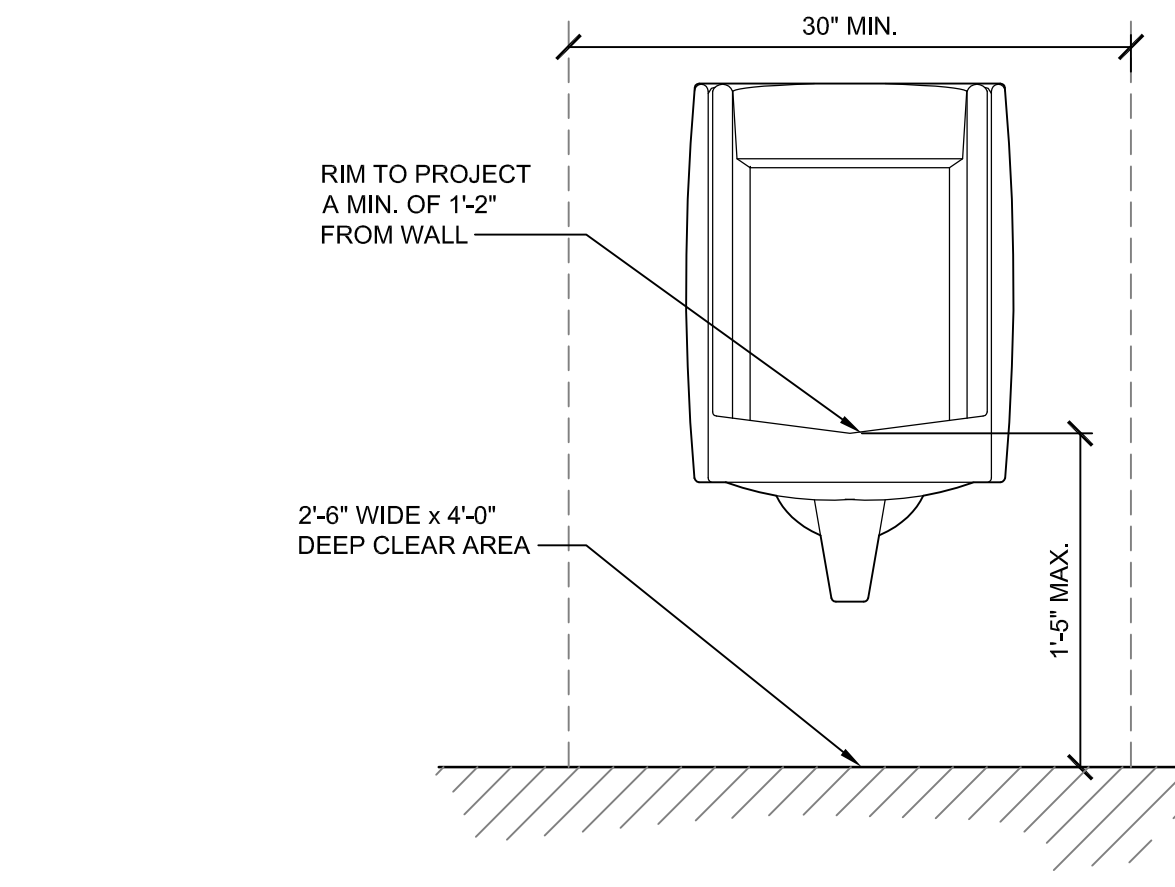
4 TOILET ACCESSORIES
SCALE: N.T.S.

1 TYPICAL DRINKING FOUNTAIN
SCALE: N.T.S.



GRAB BAR NOTES:

- IF TANK TYPE TOILET IS USED, A MIN. 3'-0" LONG, BAR MAY BE SET AT MAX. 3'-0" HIGH AT REAR WALL, AND A 3'-6" MIN. LONG SIDE AT 2'-9" HIGH WITH BAR END 2'-0" IN FRONT OF TOILET.
- DIMENSIONS INDICATED ABOVE, EXCEPT (2'-9" ABOVE FLOOR), ARE TYPICAL AND ARE SUBJECT TO PRIOR TO INSTALLATION. VERIFICATION WITH EACH GRAB BAR MANUFACTURER.
- THE GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MIN. RADIUS OF 1/8".



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	AWP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						AWP
						DATE:
						03/27/13

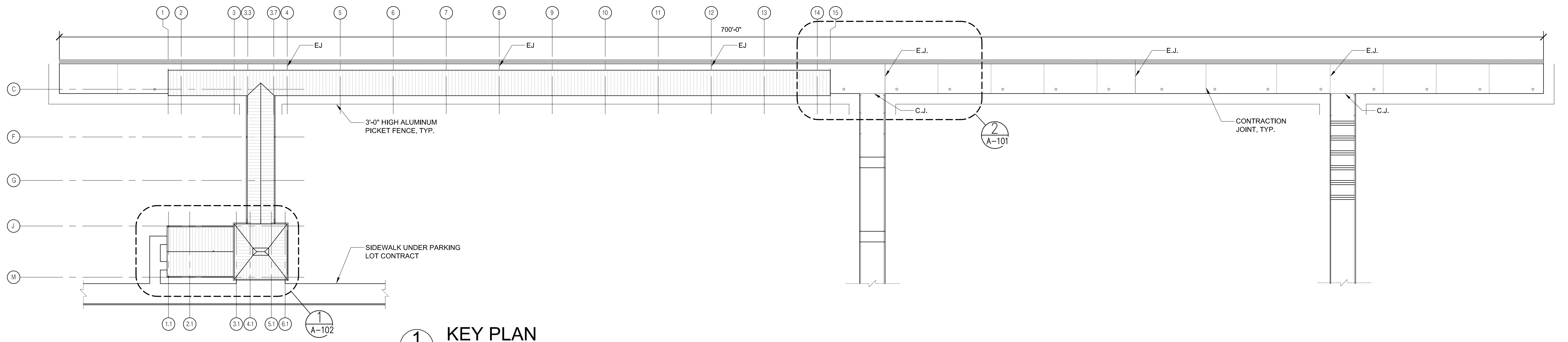
COMMONWEALTH OF VIRGINIA
ANDREW WALSH PITTMAN
Lic. No. 0401014245
5-27-2013
ARCHITECT



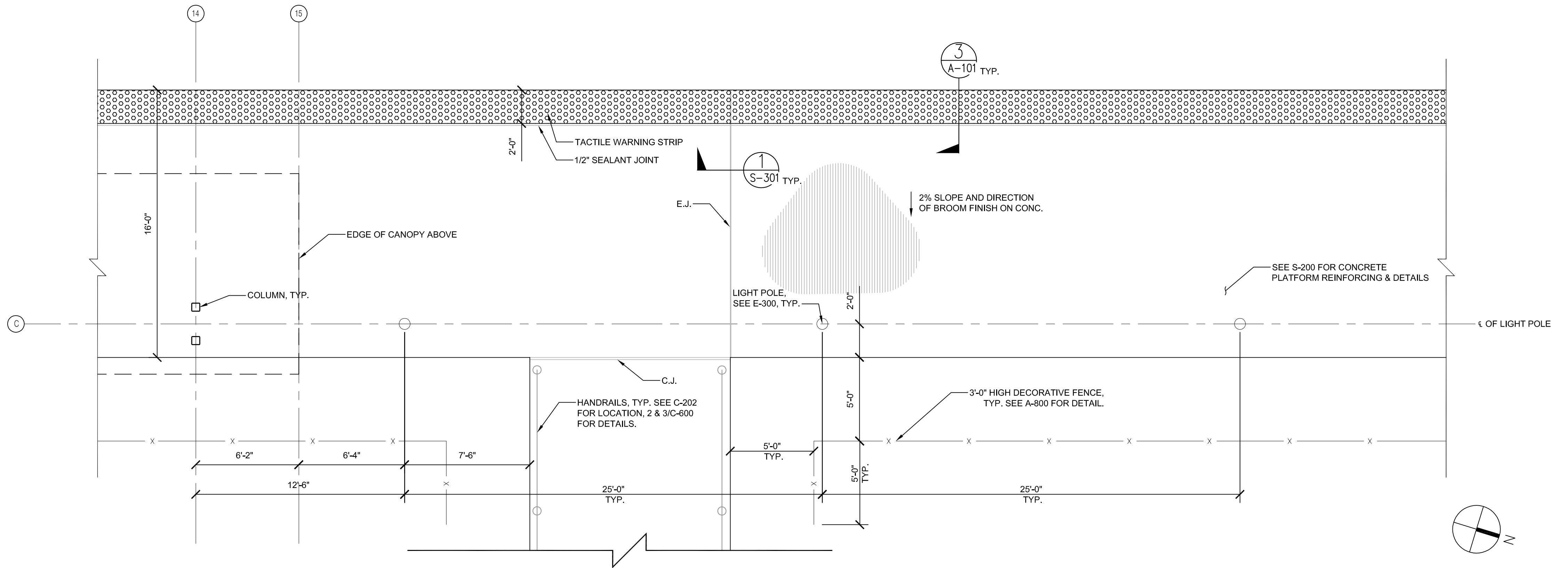
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SPOTSYLVANIA STATION
ADA COMPLIANCE

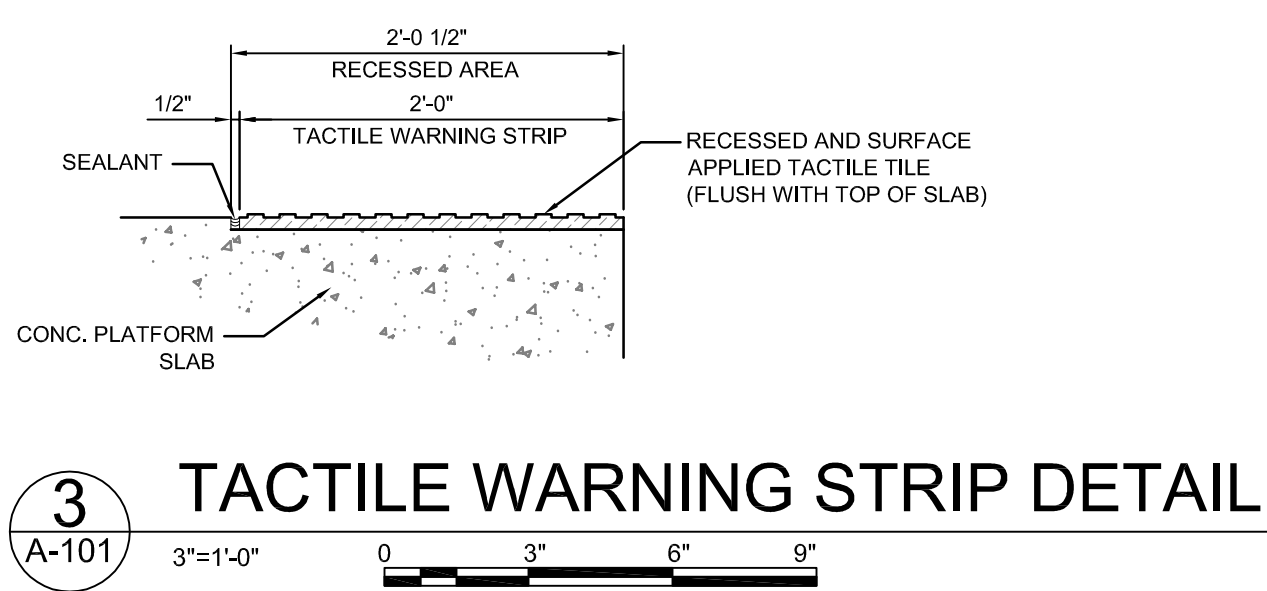
IFB NO: 013-013
DRAWING NO: A-002
SCALE: AS NOTED
SHEET NO: 30 OF 66



1 KEY PLAN
NOT TO SCALE



2 PARTIAL PLATFORM PLAN
1/4"=1'-0"



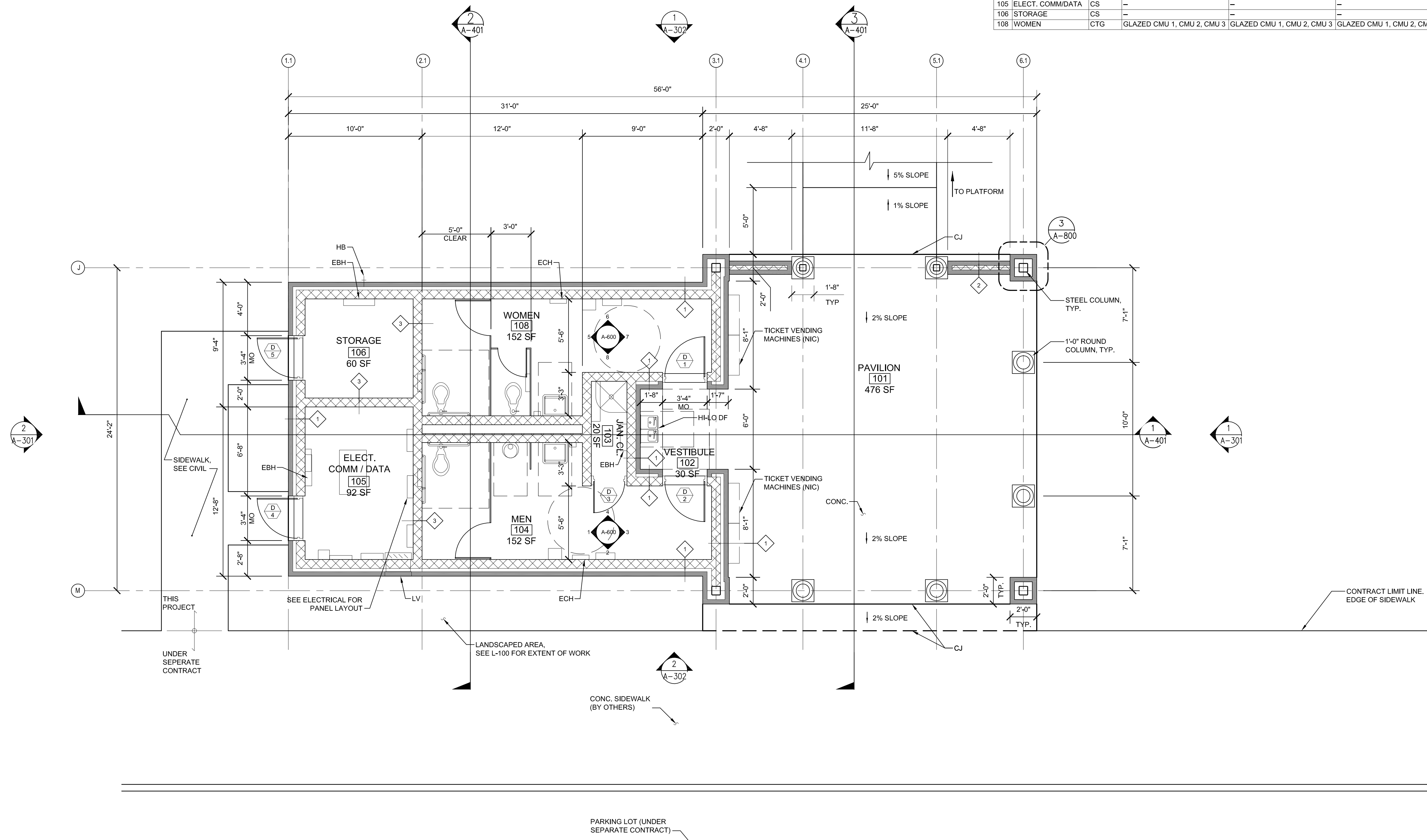
3 TACTILE WARNING STRIP DETAIL
3"=1'-0"

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION KEY PLAN	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	AWP					DRAWING NO:	A-101
		11/21/12			60% SUBMITTAL	KEF / OO					SCALE:	AS NOTED
		01/11/13			90% SUBMITTAL	CHECKED BY:					SHEET NO:	31 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE:						
						03/27/13						

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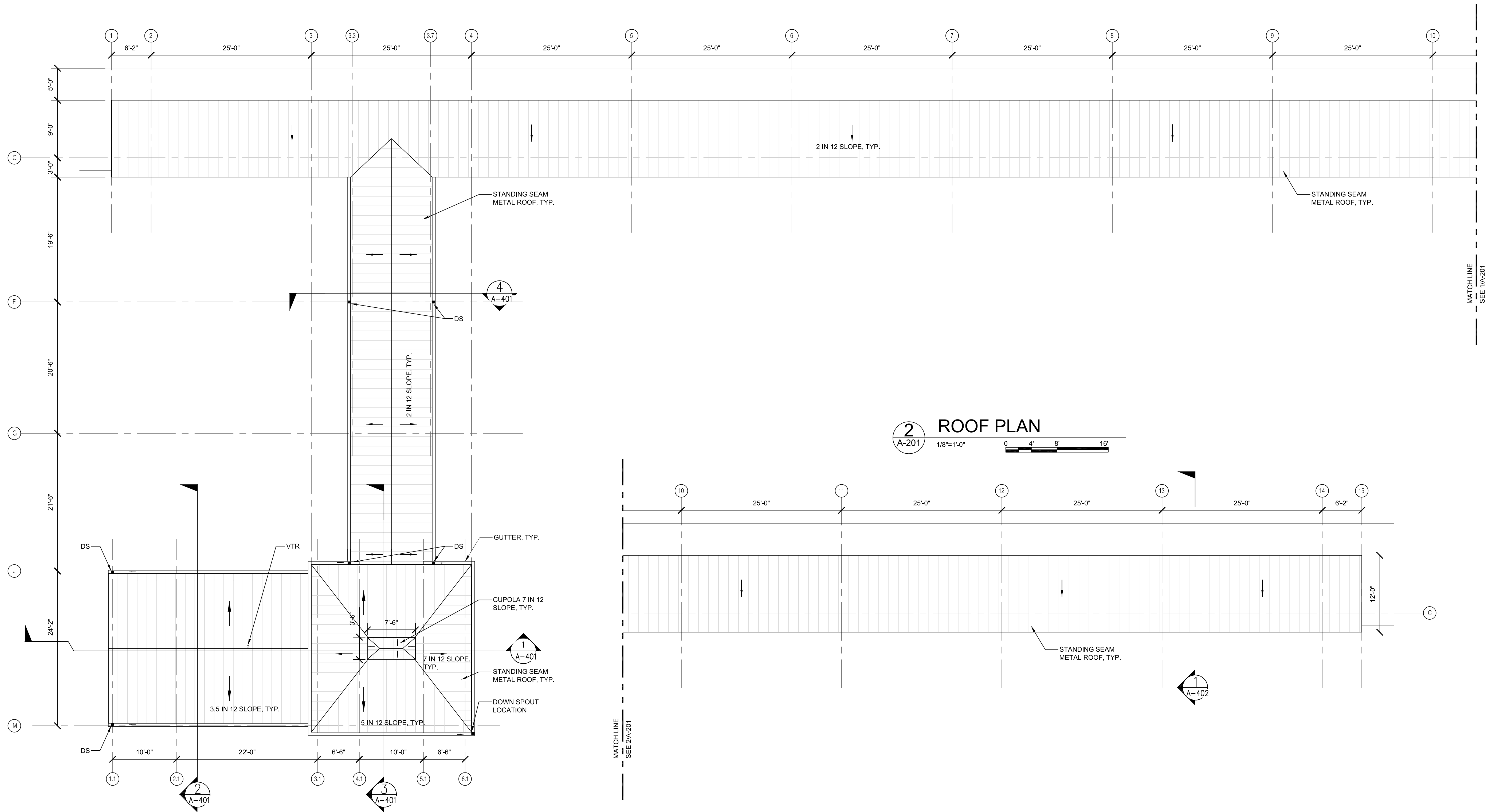
FINISH SCHEDULE

NO.	ROOM NAME	FLOOR FINISH	WALL FINISH				CEILING FINISH
			NORTH	WEST	SOUTH	EAST	
101	PAVILION	CS	N/A	BRICK	BRICK	N/A	EXPOSED STRUCT
102	VESTIBULE	CS	N/A	BRICK	BRICK	BRICK	EXT. GYP. BD. PT
103	JAN. CL.	CTG	-	-	-	-	GYP. BOARD, PT
104	MEN	CTG	GLAZED CMU 1, CMU 2, CMU 3	GLAZED CMU 1, CMU 2, CMU 3	GLAZED CMU 1, CMU 2, CMU 3	GLAZED CMU 1, CMU 2, CMU 3	GYP. BOARD, PT
105	ELECT. COMM/DATA	CS	-	-	-	-	GYP. BOARD, PT
106	STORAGE	CS	-	-	-	-	GYP. BOARD, PT
108	WOMEN	CTG	GLAZED CMU 1, CMU 2, CMU 3	GLAZED CMU 1, CMU 2, CMU 3	GLAZED CMU 1, CMU 2, CMU 3	GLAZED CMU 1, CMU 2, CMU 3	GYP. BOARD, PT



1 FLOOR PLAN
 A-102 1/4"=1'-0" 0 2' 4' 8"

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION HEADHOUSE FLOOR PLAN	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	AWP					DRAWING NO:	A-102
		11/21/12			60% SUBMITTAL	KEF / OO					SCALE:	1/4" = 1'-0"
		01/11/13			90% SUBMITTAL	CHECKED BY:					SHEET NO:	32 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE:						

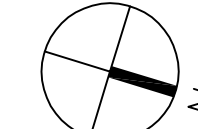


2 ROOF PLAN
A-201 1/8"=1'-0" 0 4' 8' 16'

1 CANOPY ROOF PLAN
A-201 1/8"=1'-0" 0 4' 8' 16'

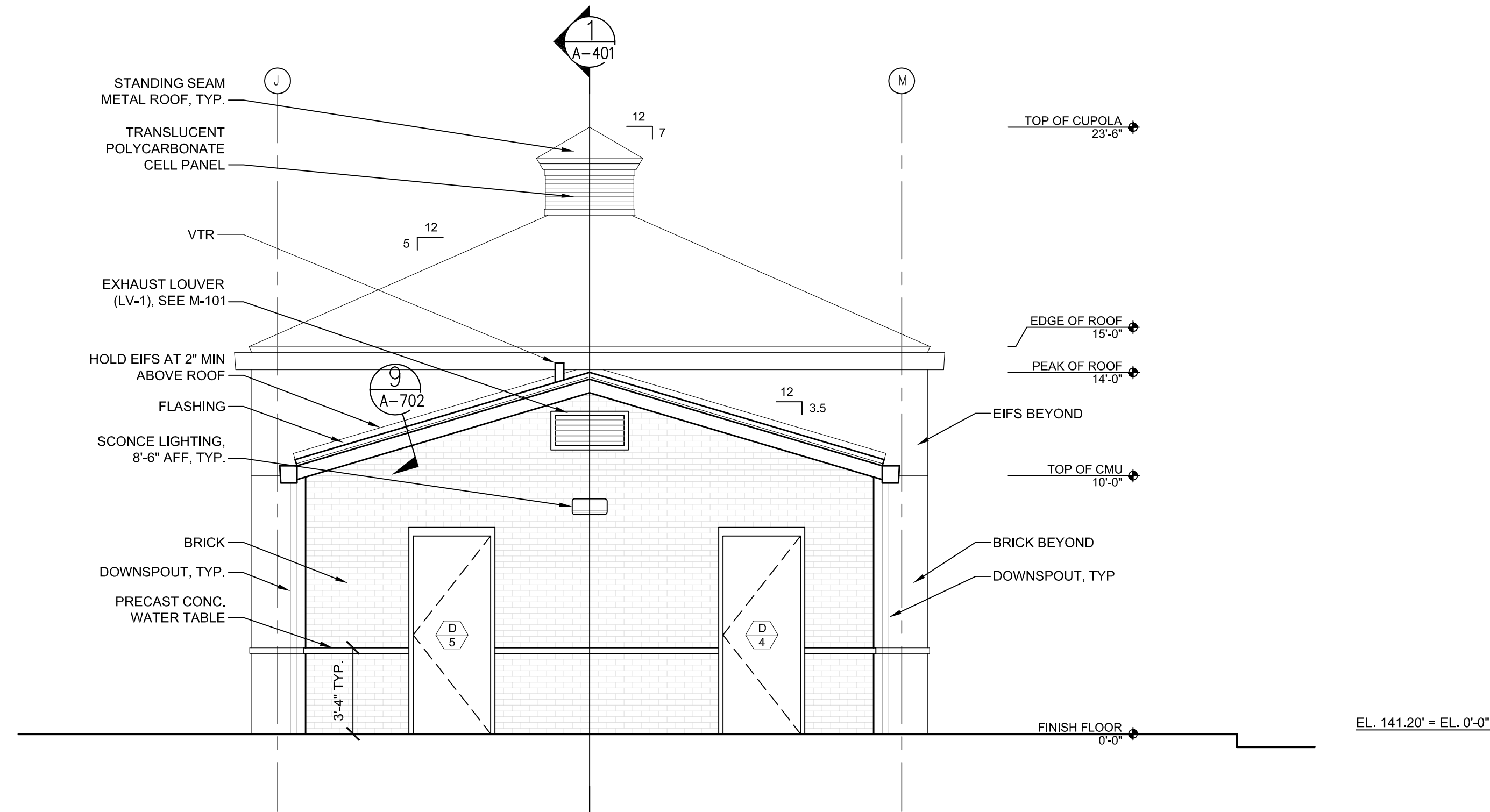
MATCHLINE
SEE 1/A-201

MATCHLINE
SEE 2/A-201

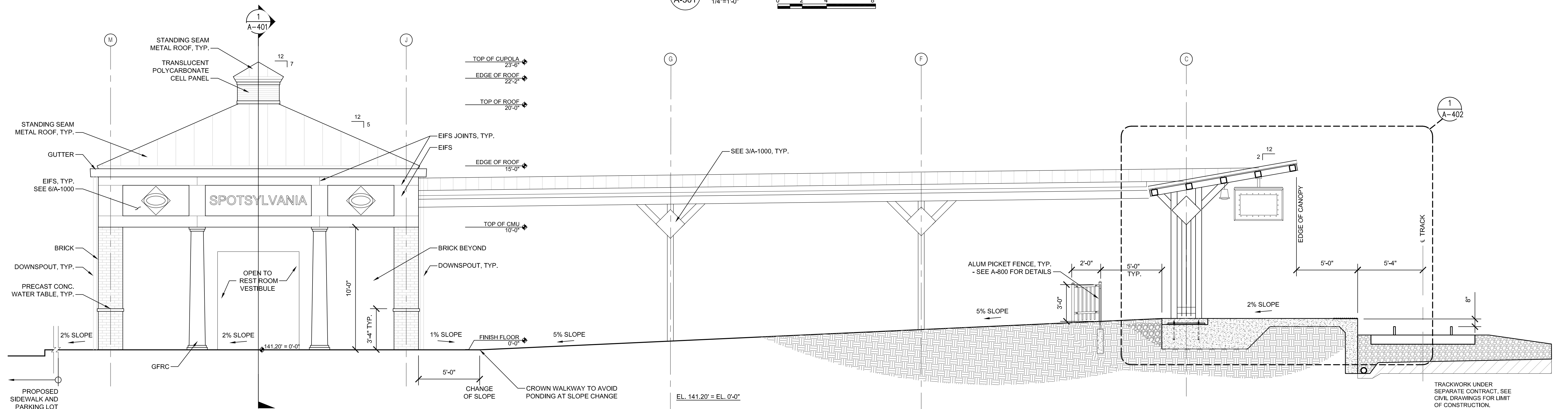


APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION ROOF PLAN	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	AWP					DRAWING NO:	A-201
		11/21/12			60% SUBMITTAL	KEF / OO					SCALE:	1/8" = 1'-0"
		01/11/13			90% SUBMITTAL	CHECKED BY:					SHEET NO:	33 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	DATE:						
						03/27/13						

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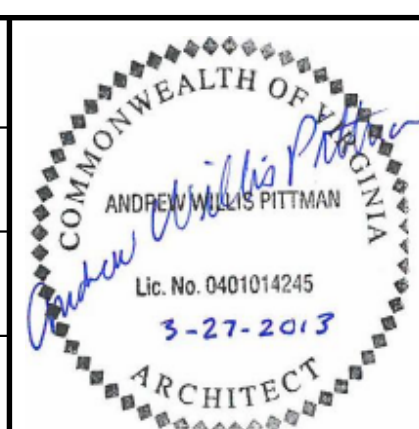
2 SOUTH ELEVATION
 A-301 1/4"=1'-0" 0 2' 4' 8'



1 NORTH ELEVATION
 A-301 1/4"=1'-0" 0 2' 4' 8'

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

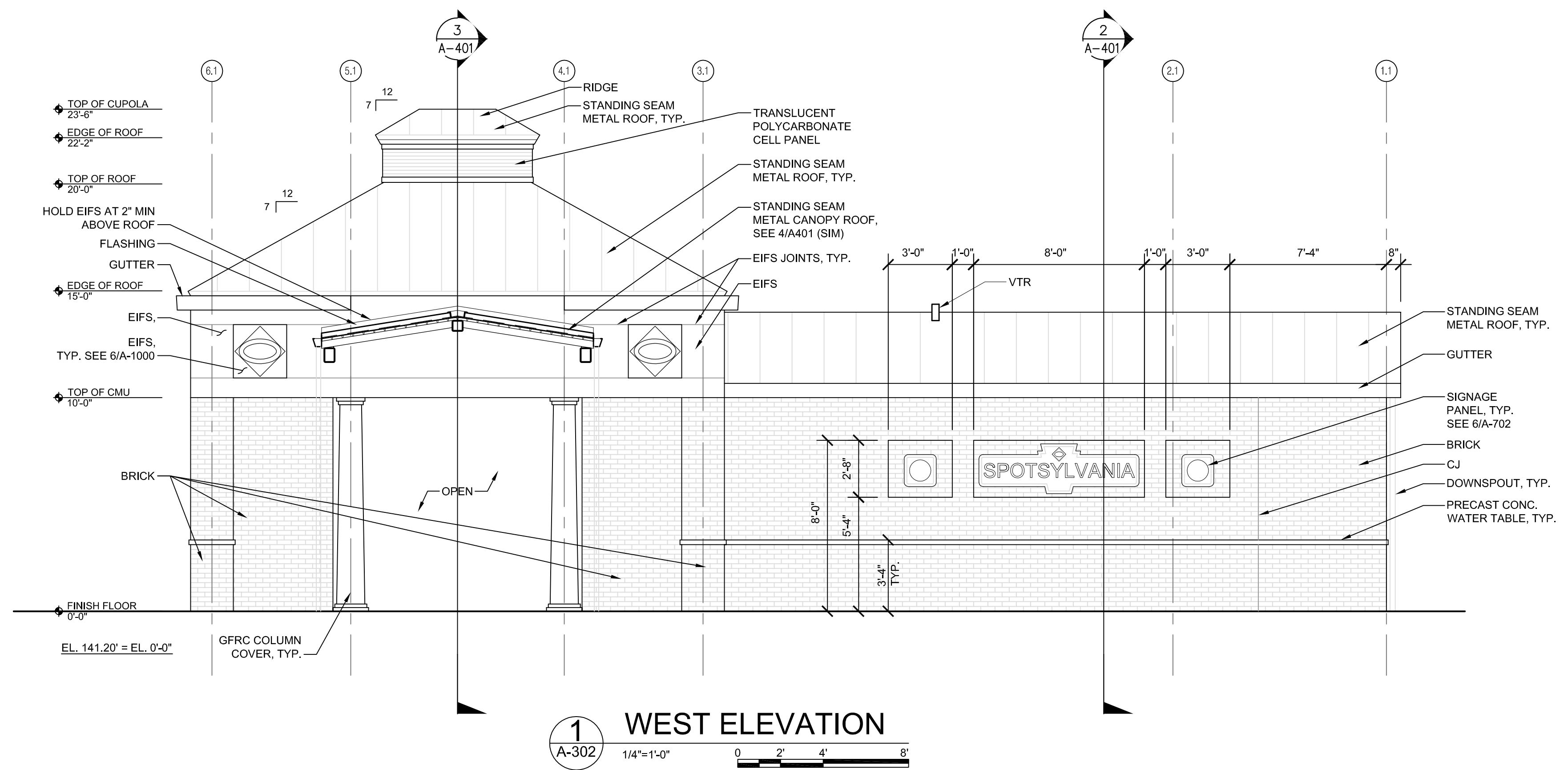
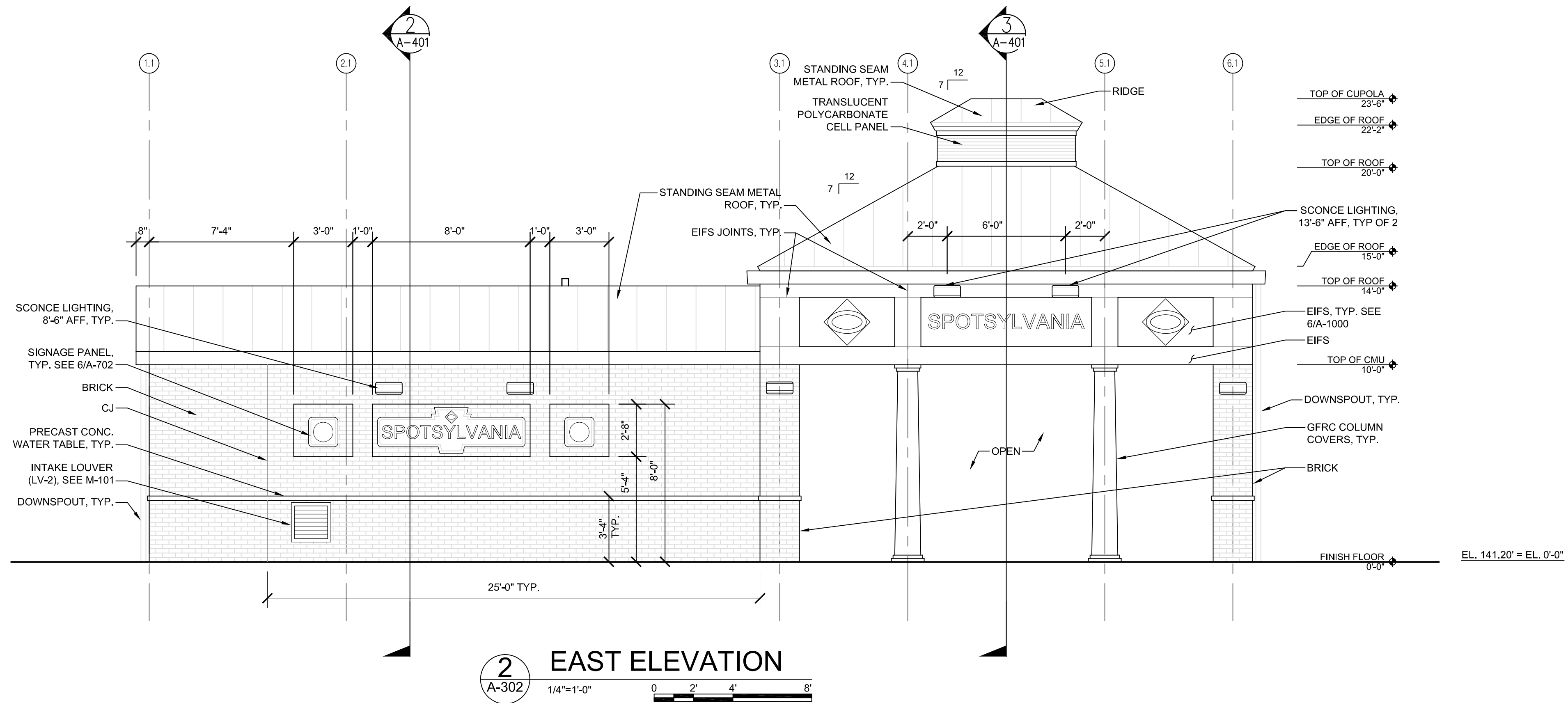
DESIGNED BY:
AWP
 DRAWN BY:
KEF / OO
 CHECKED BY:
AWP
 DATE:
03/27/13



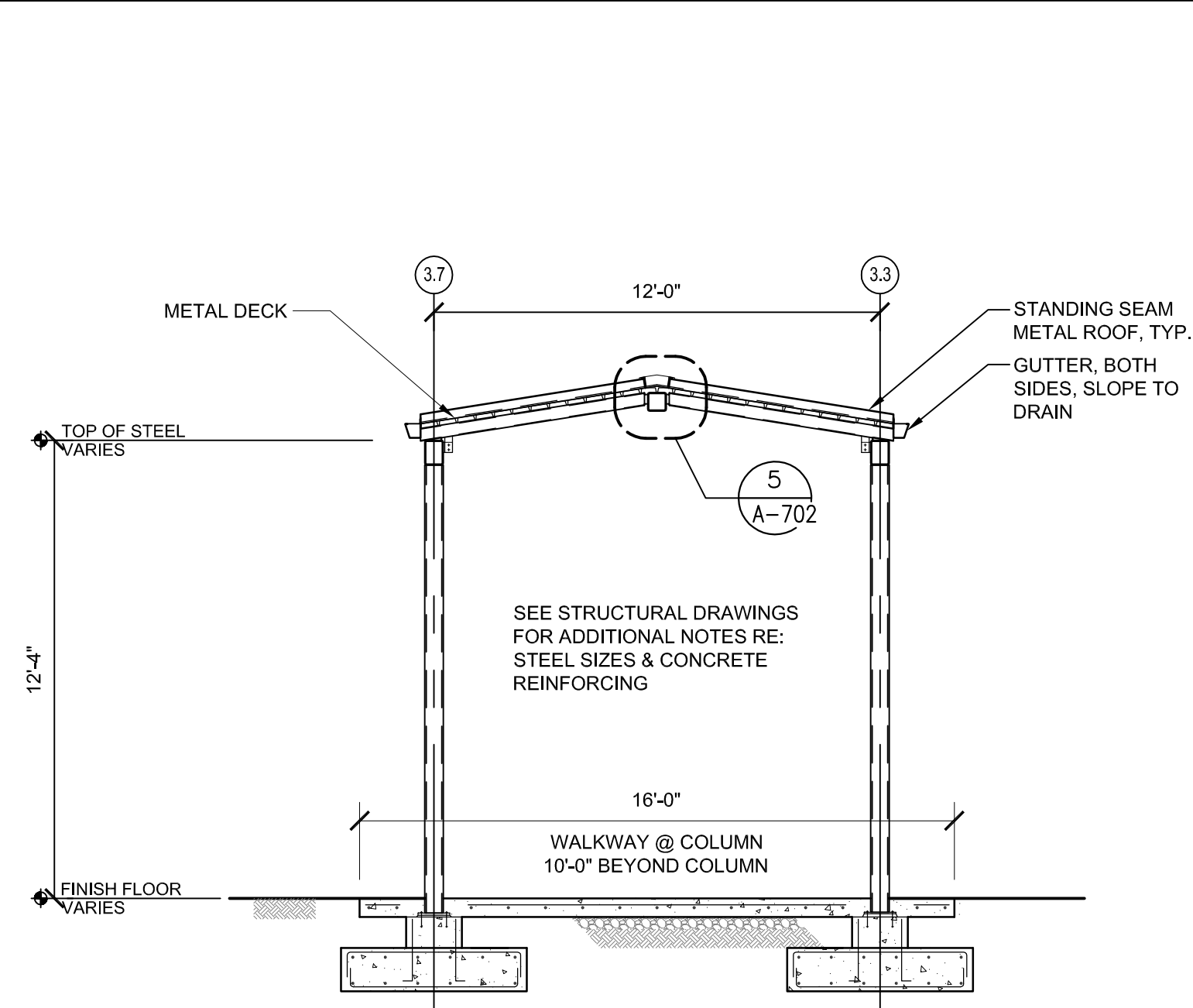
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SPOTSYLVANIA STATION
EXTERIOR ELEVATIONS

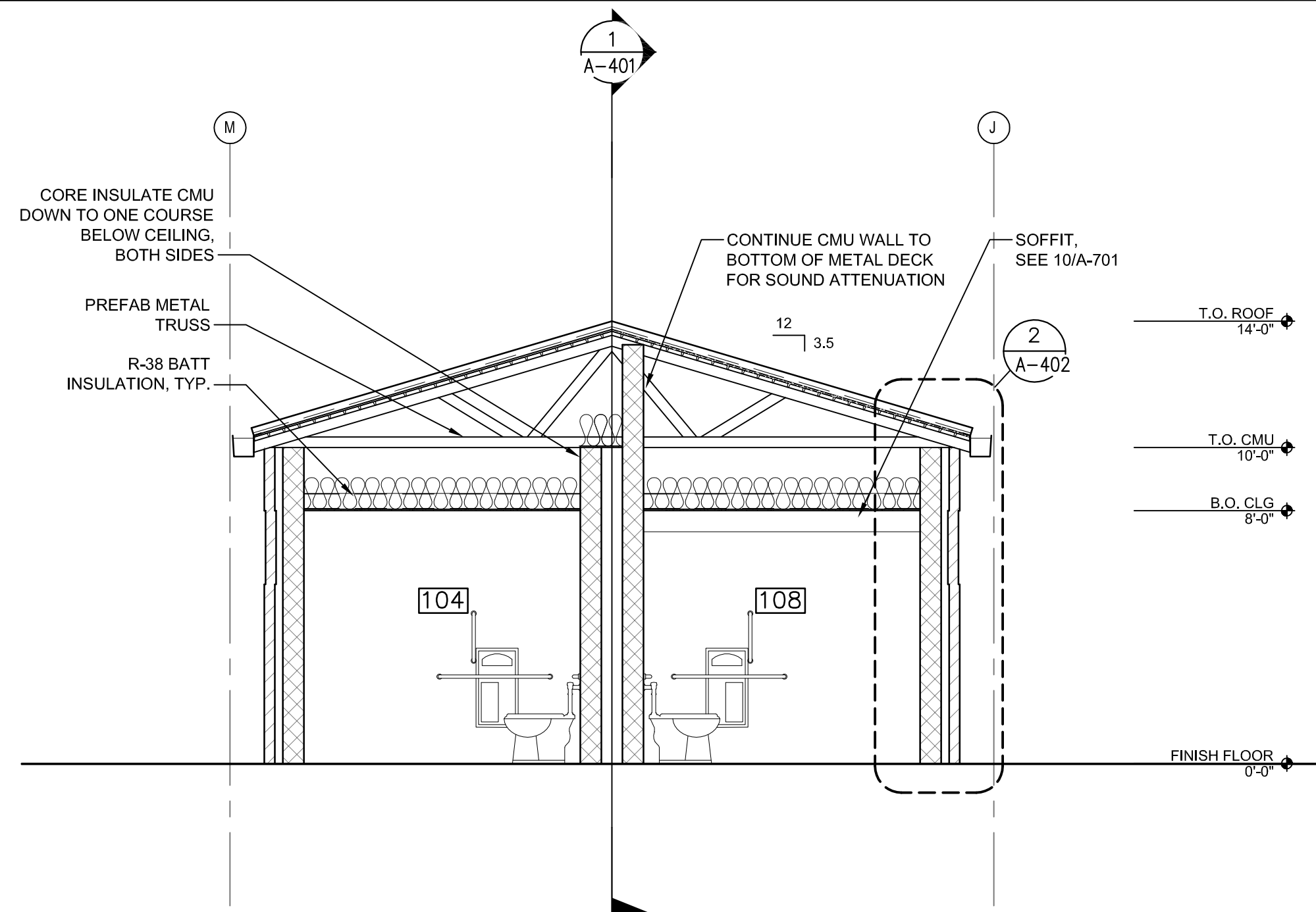
IFB NO:
013-013
 DRAWING NO:
A-301
 SCALE:
1/4" = 1'-0"
 SHEET NO:
34 OF 66



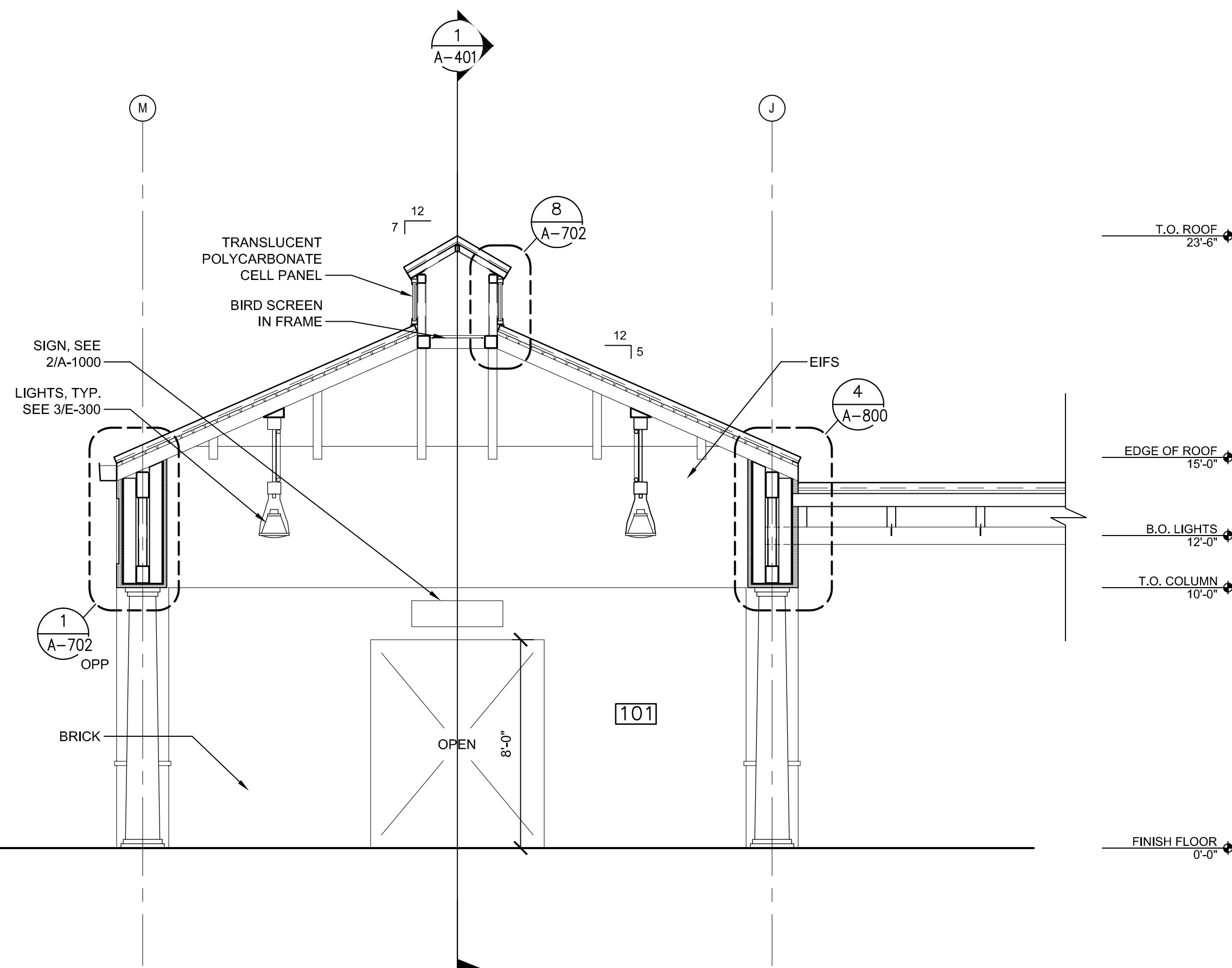
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		10/11/12			30% SUBMITTAL	AWP					DRAWING NO:	A-302	SCALE:	1/4" = 1'-0"
		11/21/12			60% SUBMITTAL	KEF / OO					CHECKED BY:	AWP	SHEET NO:	35 OF 66
		01/11/13			90% SUBMITTAL						DATE:	03/27/13		
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID									



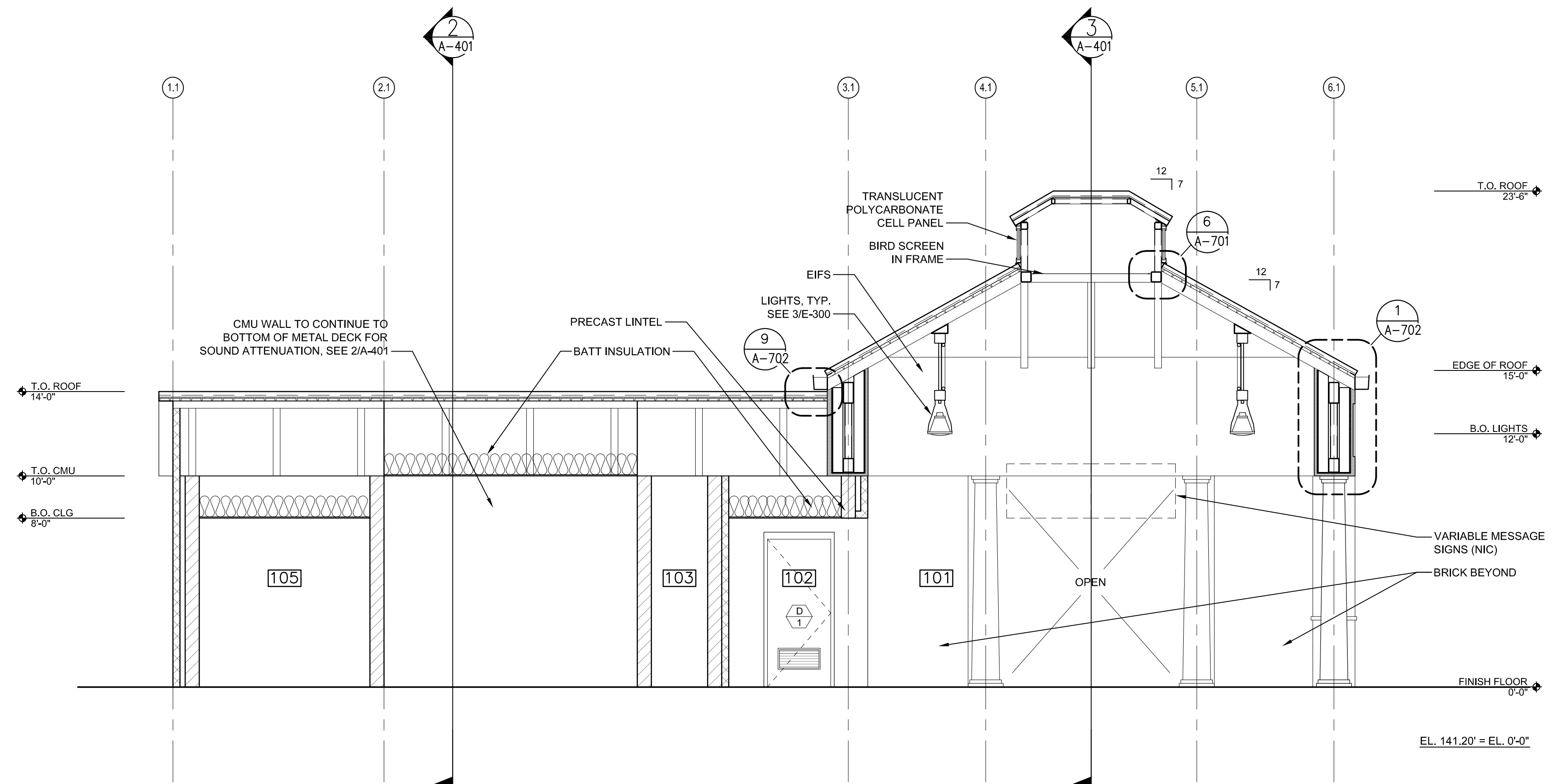
4 WALKWAY SECTION
A-401 1/4"=1'-0" 0 2' 4' 8"



2 BUILDING SECTION
A-401 1/4"=1'-0" 0 2' 4' 8"



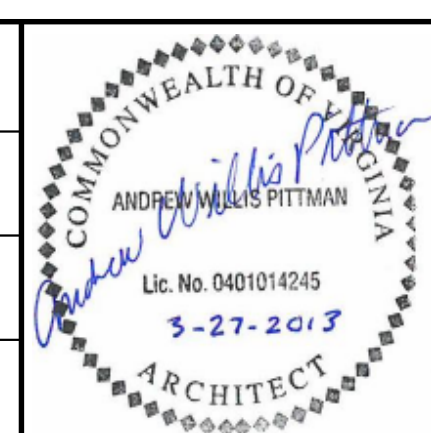
3 BUILDING SECTION
A-401 1/4"=1'-0" 0 2' 4' 8"



1 BUILDING SECTION
A-401 1/4"=1'-0" 0 2' 4' 8"

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

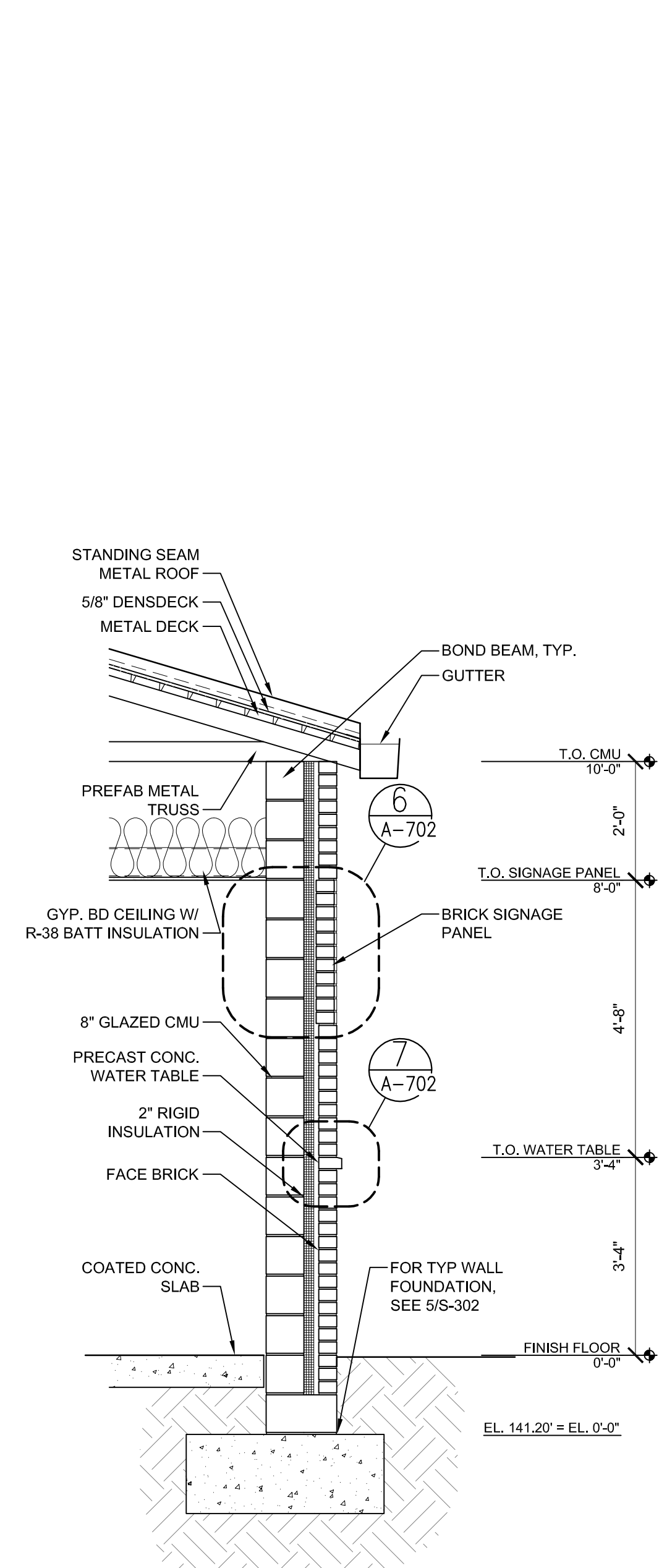
DESIGNED BY:
AWP
DRAWN BY:
KEF / OO
CHECKED BY:
AWP
DATE:
03/27/13



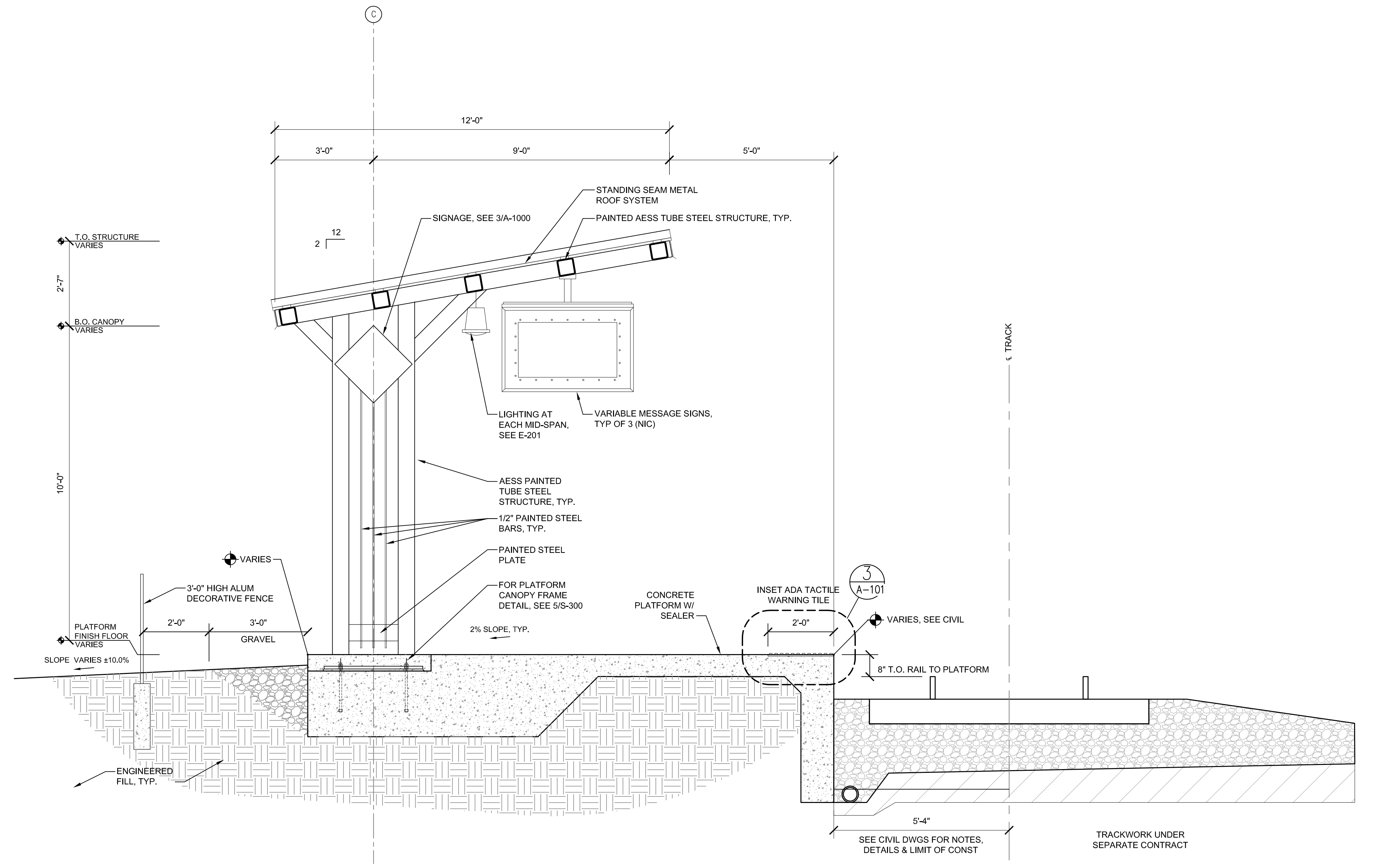
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SPOTSYLVANIA STATION
BUILDING SECTIONS

IFB NO: 013-013
DRAWING NO: A-401
SCALE: 1/4" = 1'-0"
SHEET NO: 36 OF 66

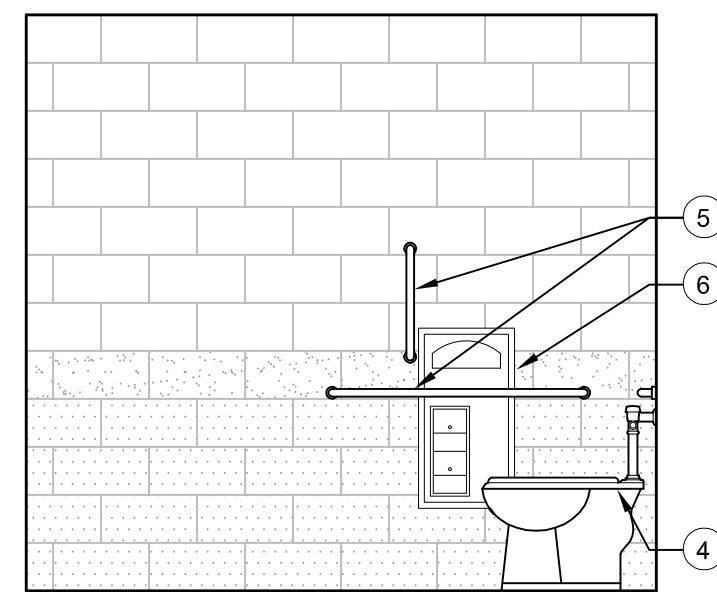


2 WALL SECTION 1
 A-402 1/2"=1'-0" 0 1' 2' 4"

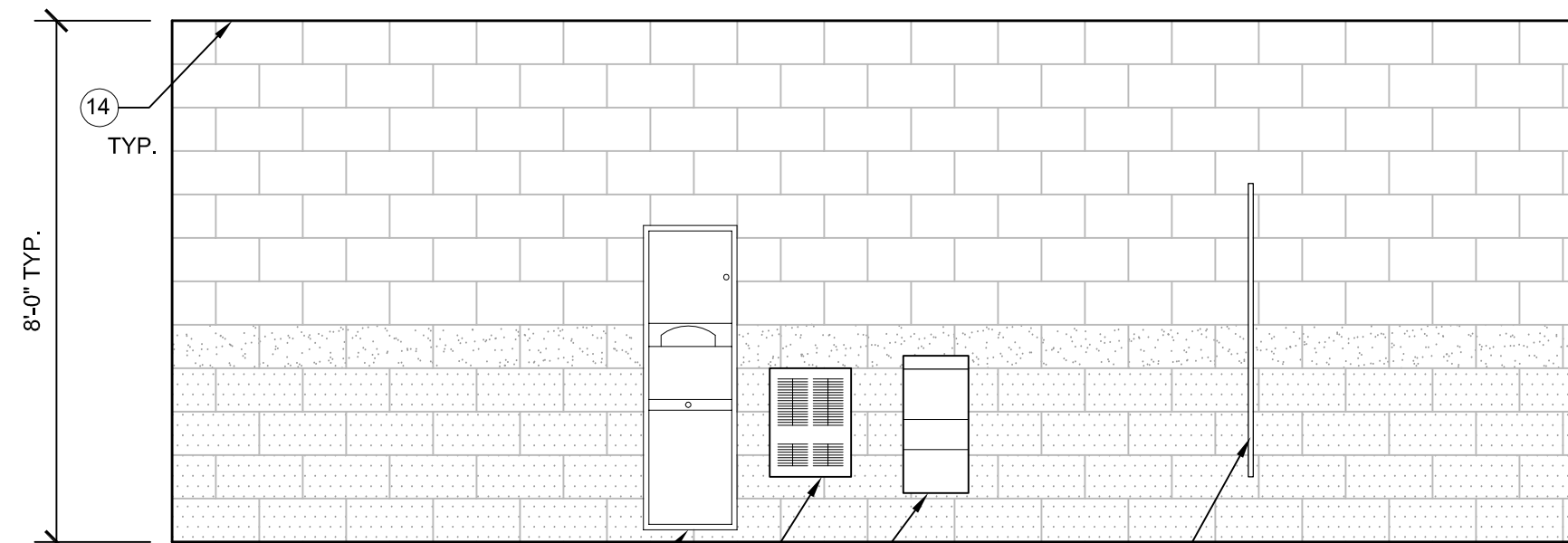


1 CANOPY SECTION
 A-402 1/2"=1'-0" 0 1' 2' 4"

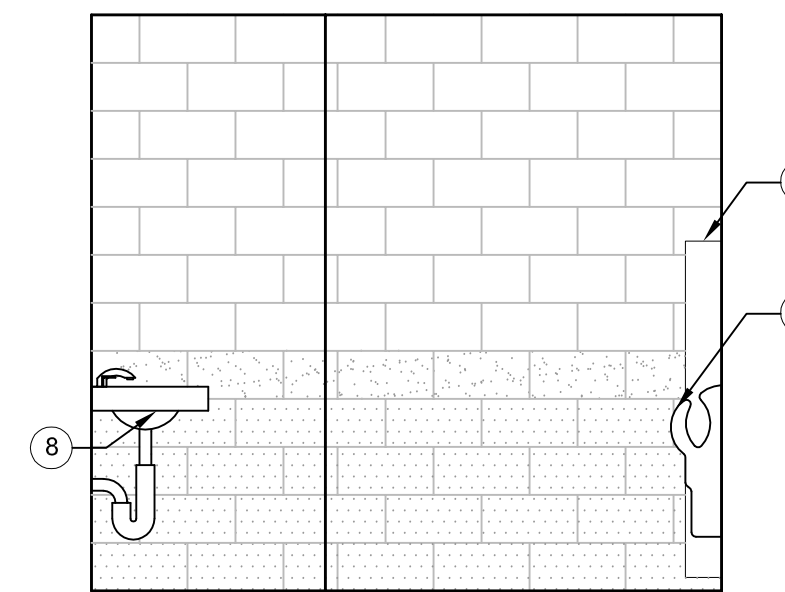
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION		IFB NO:		
		10/11/12			30% SUBMITTAL	AWP								013-013
		11/21/12			60% SUBMITTAL	KEF / OO								DRAWING NO:
		01/11/13			90% SUBMITTAL									A-402
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:								SCALE:
						AWP					SHEET NO:	37 OF 66		
						DATE:								
						03/27/13								
										CANOPY SECTION				



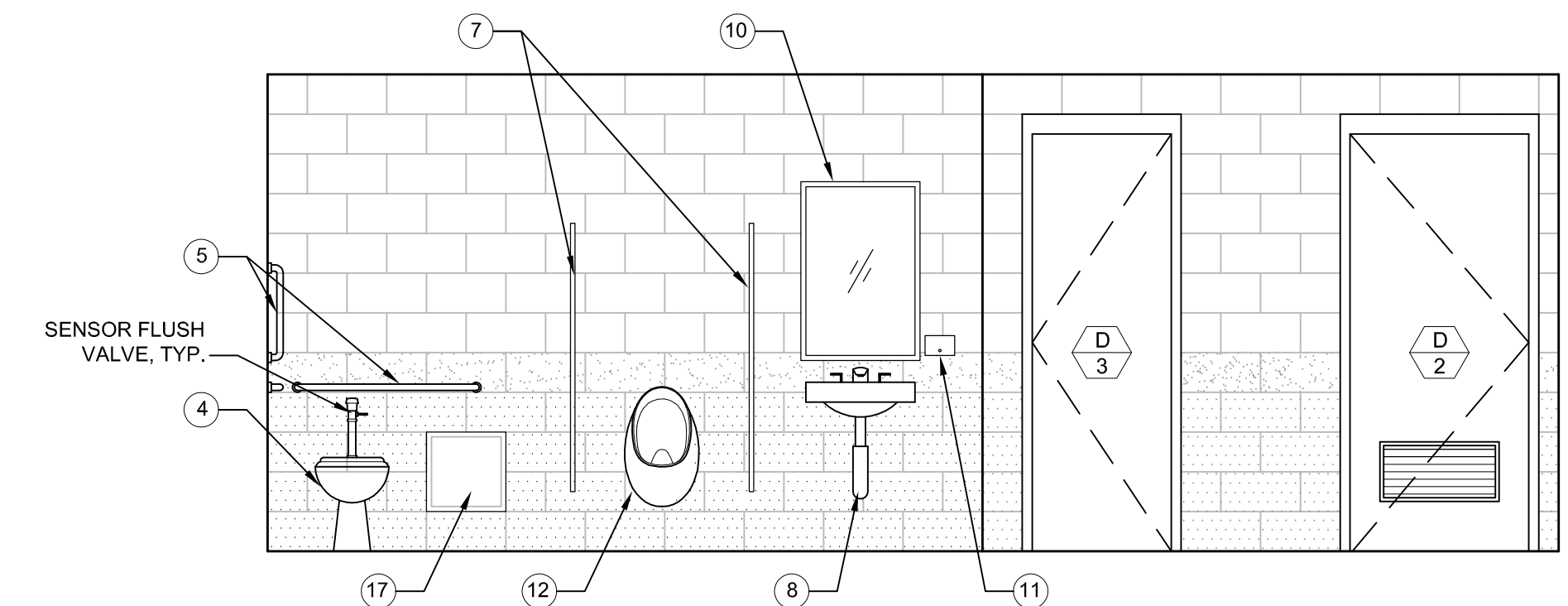
1 SOUTH
A-600 3/8"=1'-0" 0 2' 4' 6'



2 WEST
A-600 3/8"=1'-0" 0 2' 4' 6'

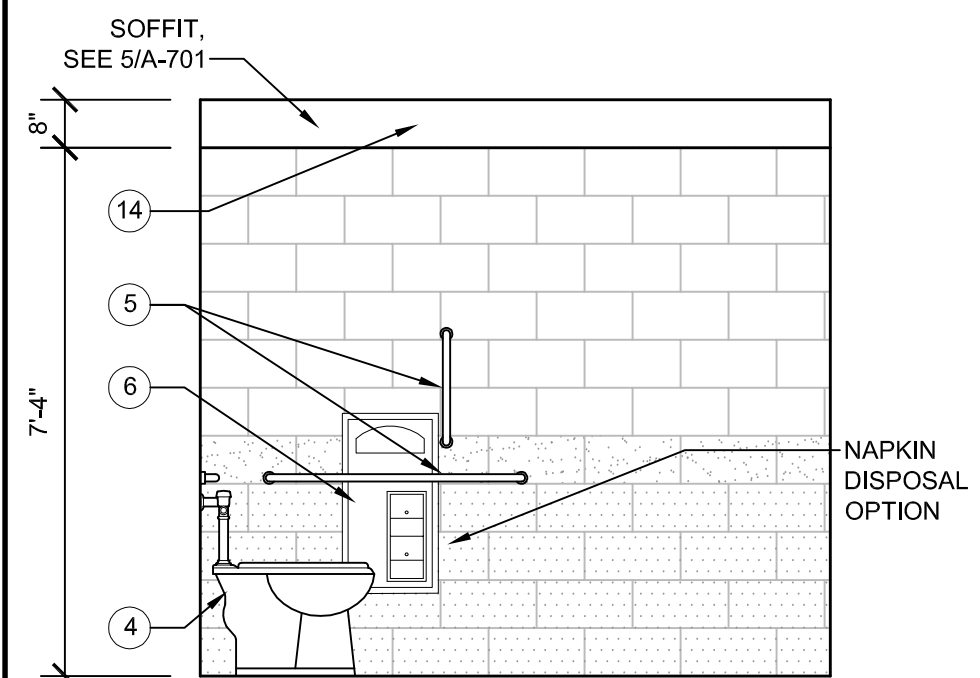


3 NORTH
A-600 3/8"=1'-0" 0 2' 4' 6'

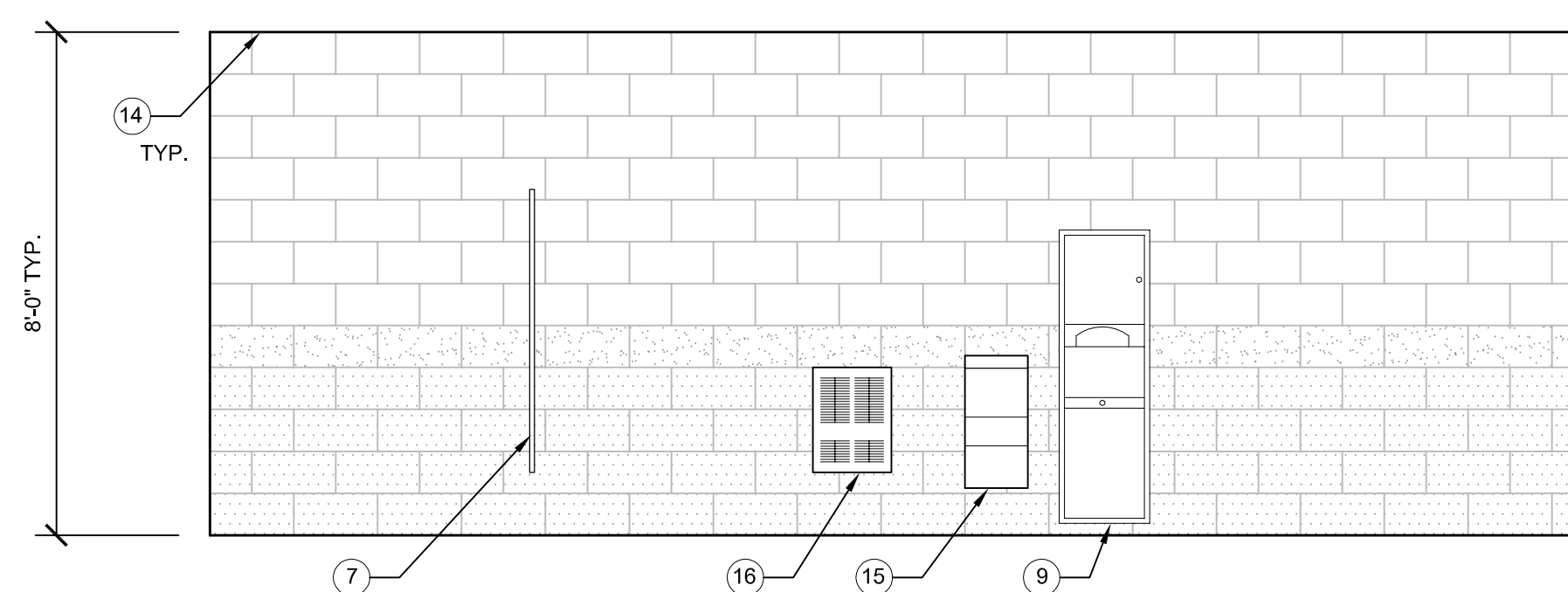


4 EAST
A-600 3/8"=1'-0" 0 2' 4' 6'

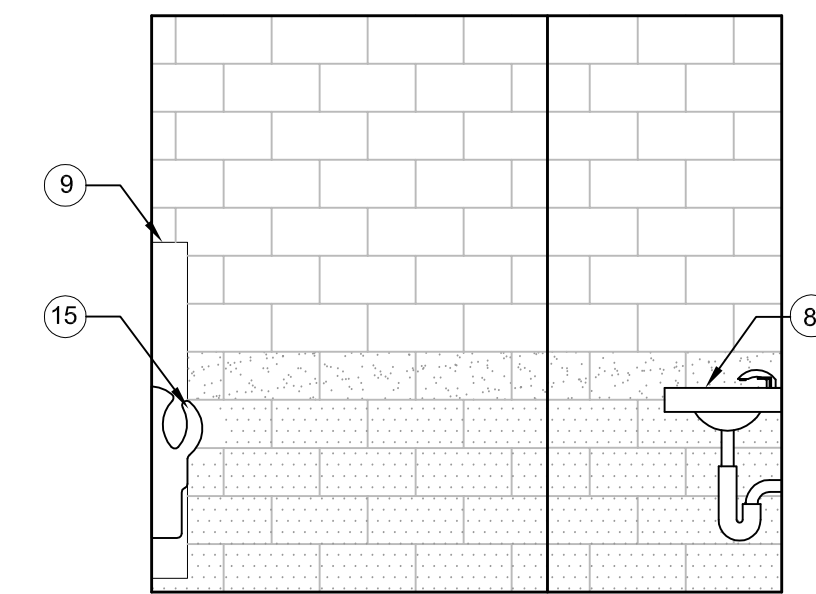
MENS TOILET - 104



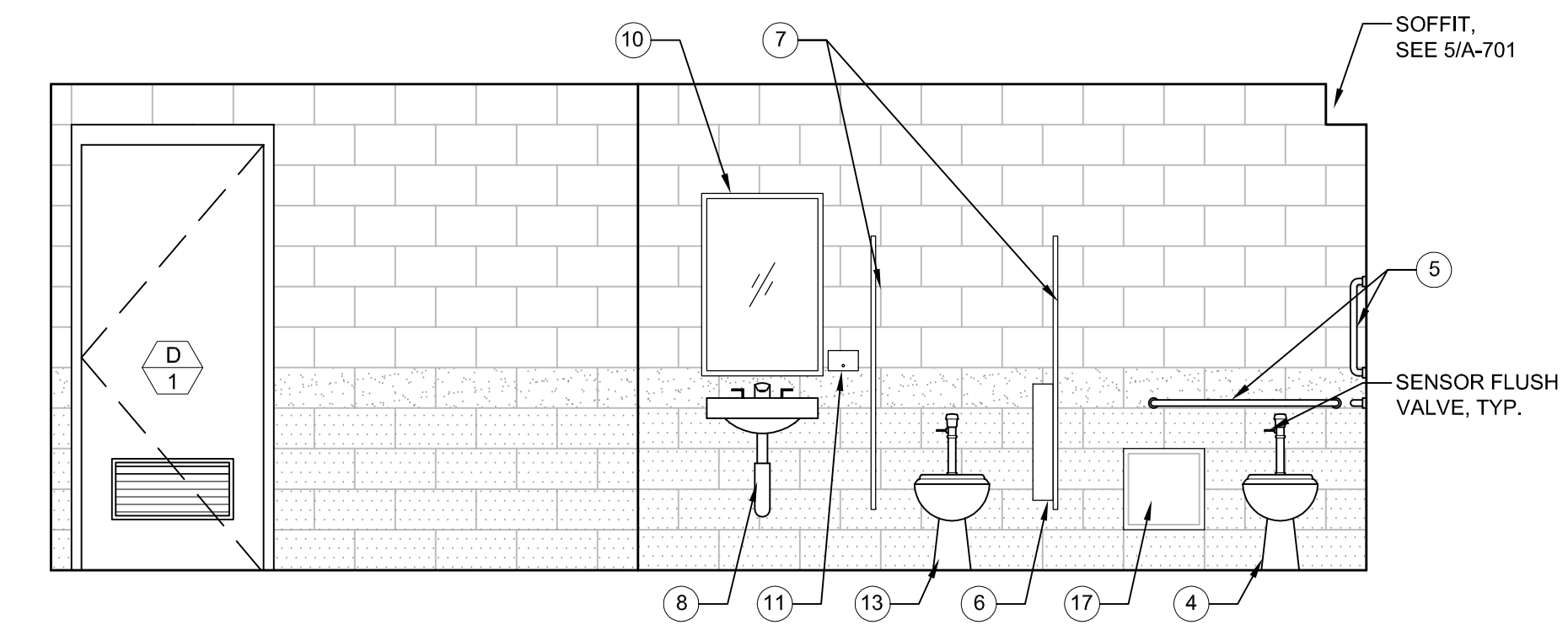
5 SOUTH
A-600 3/8"=1'-0" 0 2' 4' 6'



6 EAST
A-600 3/8"=1'-0" 0 2' 4' 6'



7 NORTH
A-600 3/8"=1'-0" 0 2' 4' 6'

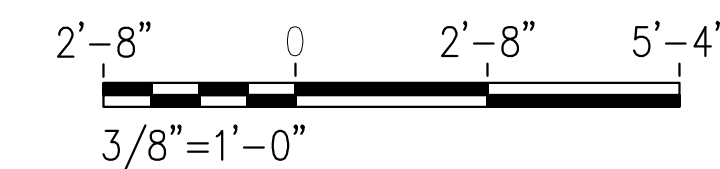


8 WEST
A-600 3/8"=1'-0" 0 2' 4' 6'

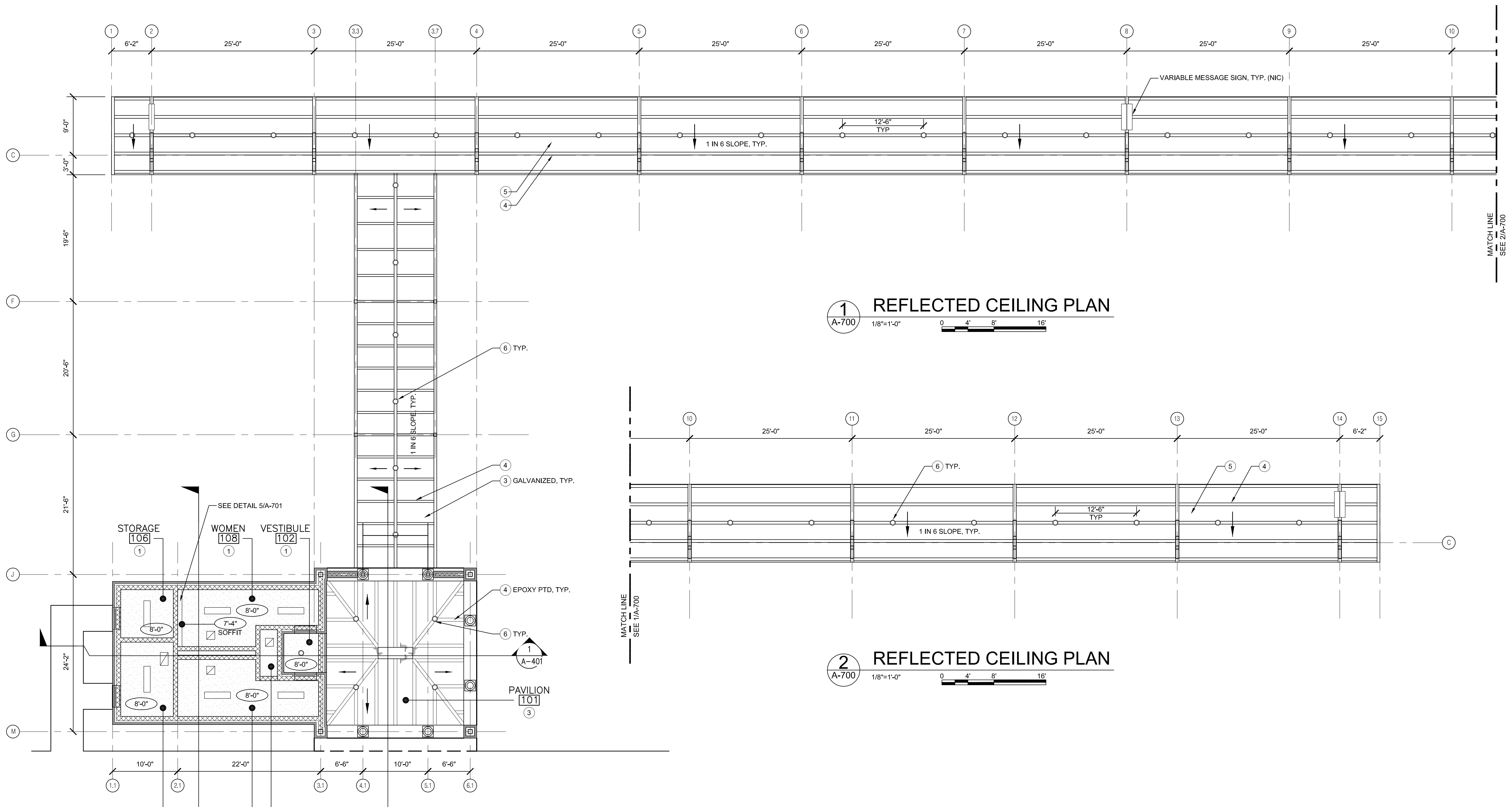
WOMENS TOILET - 108

LEGEND

- 1 GLAZED CMU-1 (GREY)
- 2 GLAZED CMU-2 (RED)
- 3 GLAZED CMU-3 (BLUE)
- 4 ADA TOILET
- 5 GRAB BAR
- 6 PAPER DISPENSER
- 7 STAINLESS STEEL PARTITION
- 8 ADA LAV W/ TEMP. SHIELDS
- 9 TOWEL DISPENSER
- 10 MIRROR
- 11 SOAP DISPENSER
- 12 URINAL
- 13 TOILET
- 14 MR GYP. BD. CLG.
- 15 HAND DRYER
- 16 ELECTRIC CABINET UNIT HEATER
- 17 ACCESS PANEL



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION INTERIOR ELEVATIONS	IFB NO:	013-013		
		10/11/12			30% SUBMITTAL	AWP					DRAWING NO:	A-600	SCALE:	3/8" = 1'-0"
		11/21/12			60% SUBMITTAL	KEF / OO							SHEET NO:	38 OF 66
APPROVED BY COUNTY		01/11/13			90% SUBMITTAL	CHECKED BY:								
		03/27/13			ISSUE FOR BID	DATE:								
						03/27/13								



1 REFLECTED CEILING PLAN
A-700 1/8"=1'-0" 0 4' 8' 16'

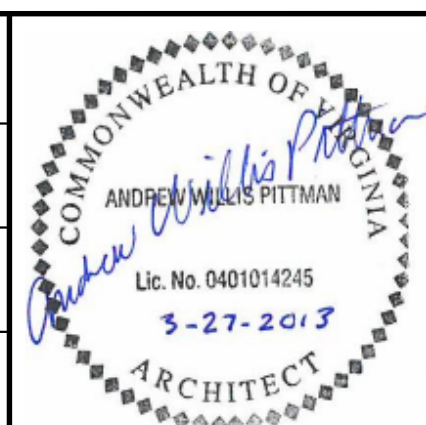
2 REFLECTED CEILING PLAN
A-700 1/8"=1'-0" 0 4' 8' 16'

LEGEND

MATERIAL	FINISH
1 GYP. BOARD	PTD.
2 NOT USED	--
3 METAL DECK	GALVANIZED
4 STRUCT. STL.	AESS PAINT
5 STANDING SEAM	GALVANIZED
6 LIGHT, SEE ELEC	

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

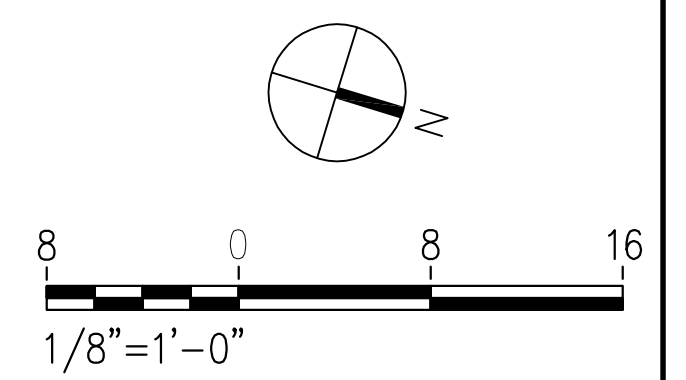
DESIGNED BY:
AWP
DRAWN BY:
KEF / OO
CHECKED BY:
AWP
DATE:
03/27/13



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SPOTSYLVANIA STATION
REFLECTED CEILING PLAN

IFB NO:	013-013
DRAWING NO:	A-700
SCALE:	1/8" = 1'-0"
SHEET NO:	39 OF 66

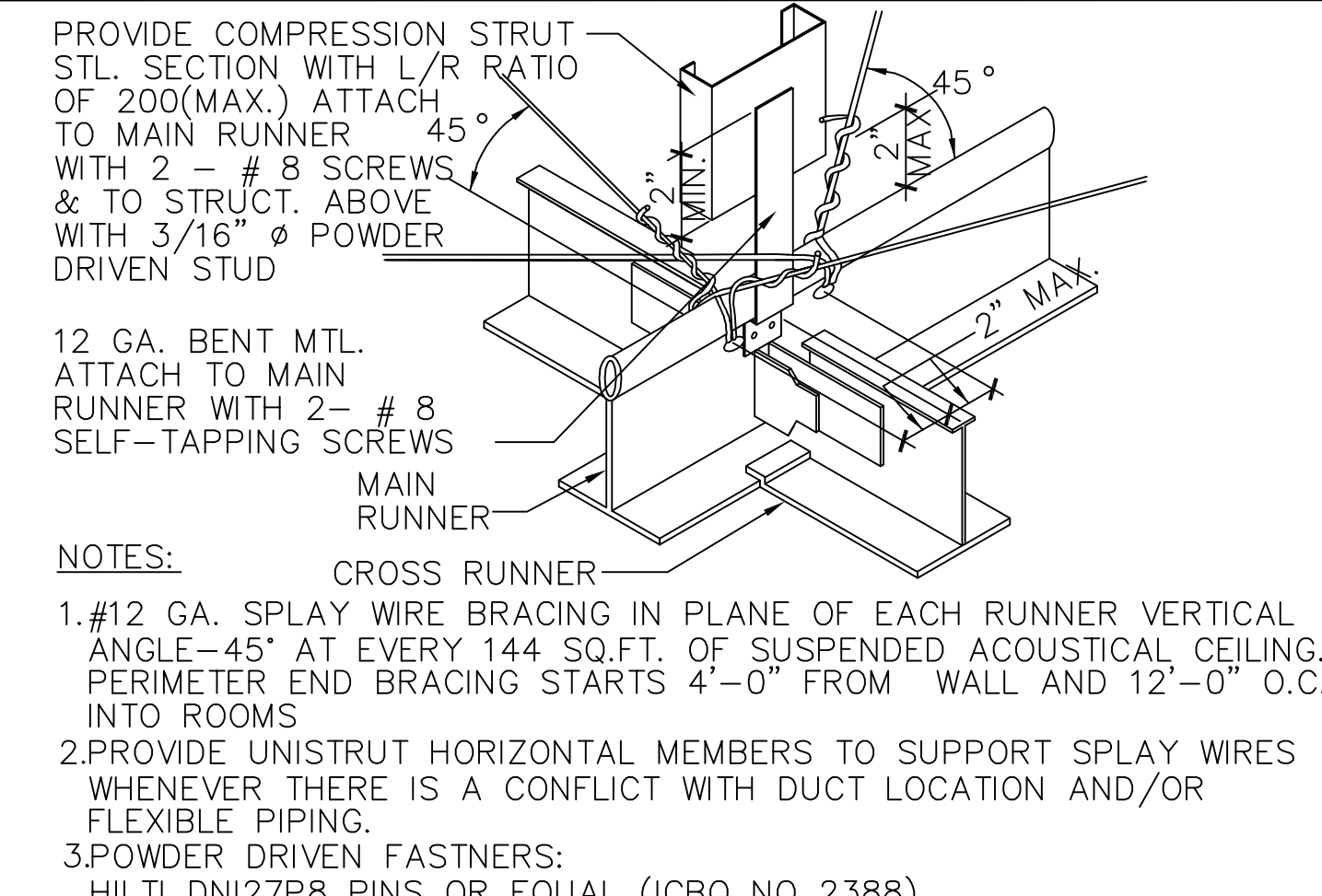


12 NOT USED

9 NOT USED

6 REMOVABLE BIRD SCREEN
SCALE: 3" = 1'-0"

3 SEISMIC BRACING AT TEE BAR
SCALE: 3" = 1'-0"

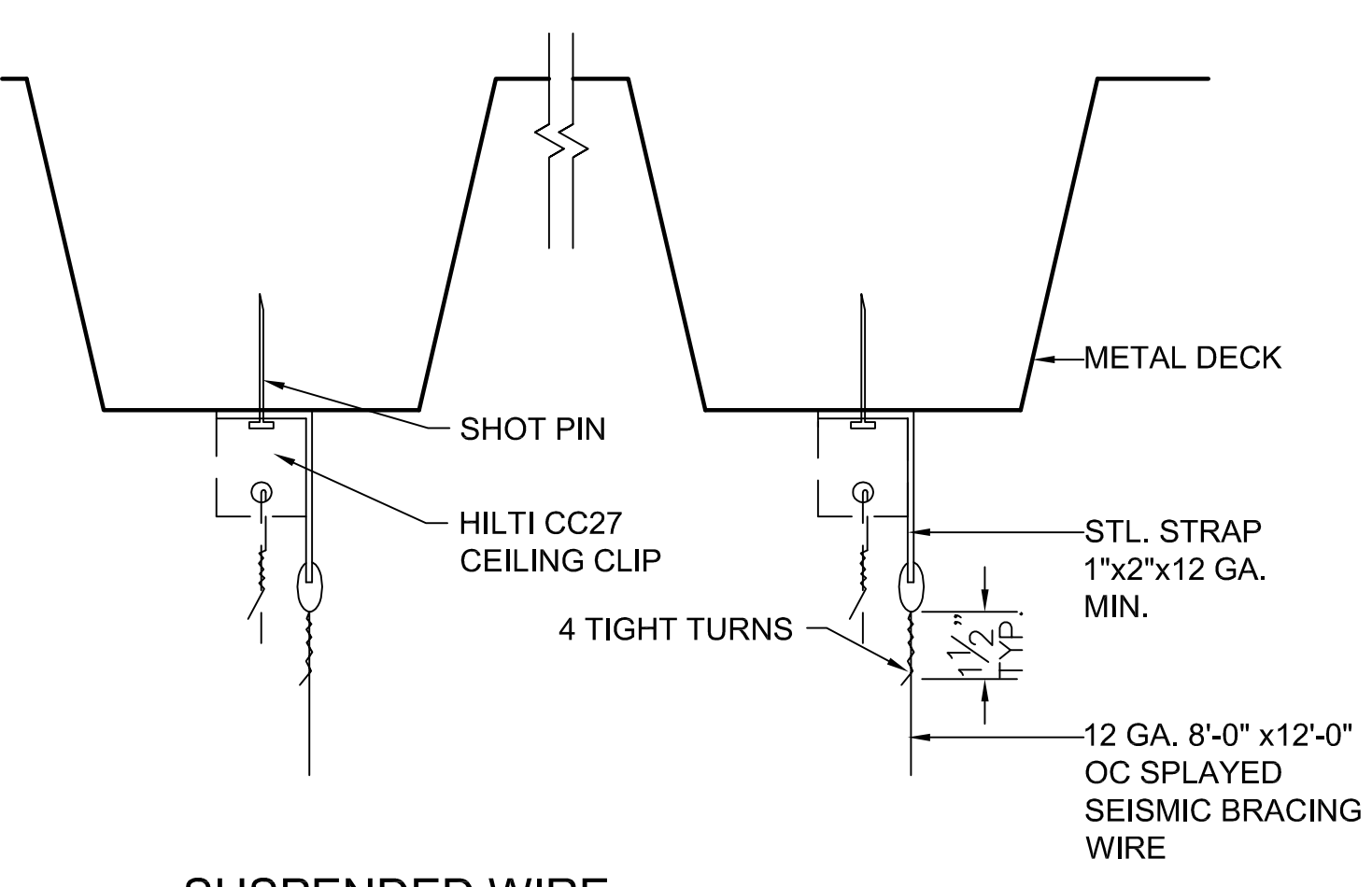
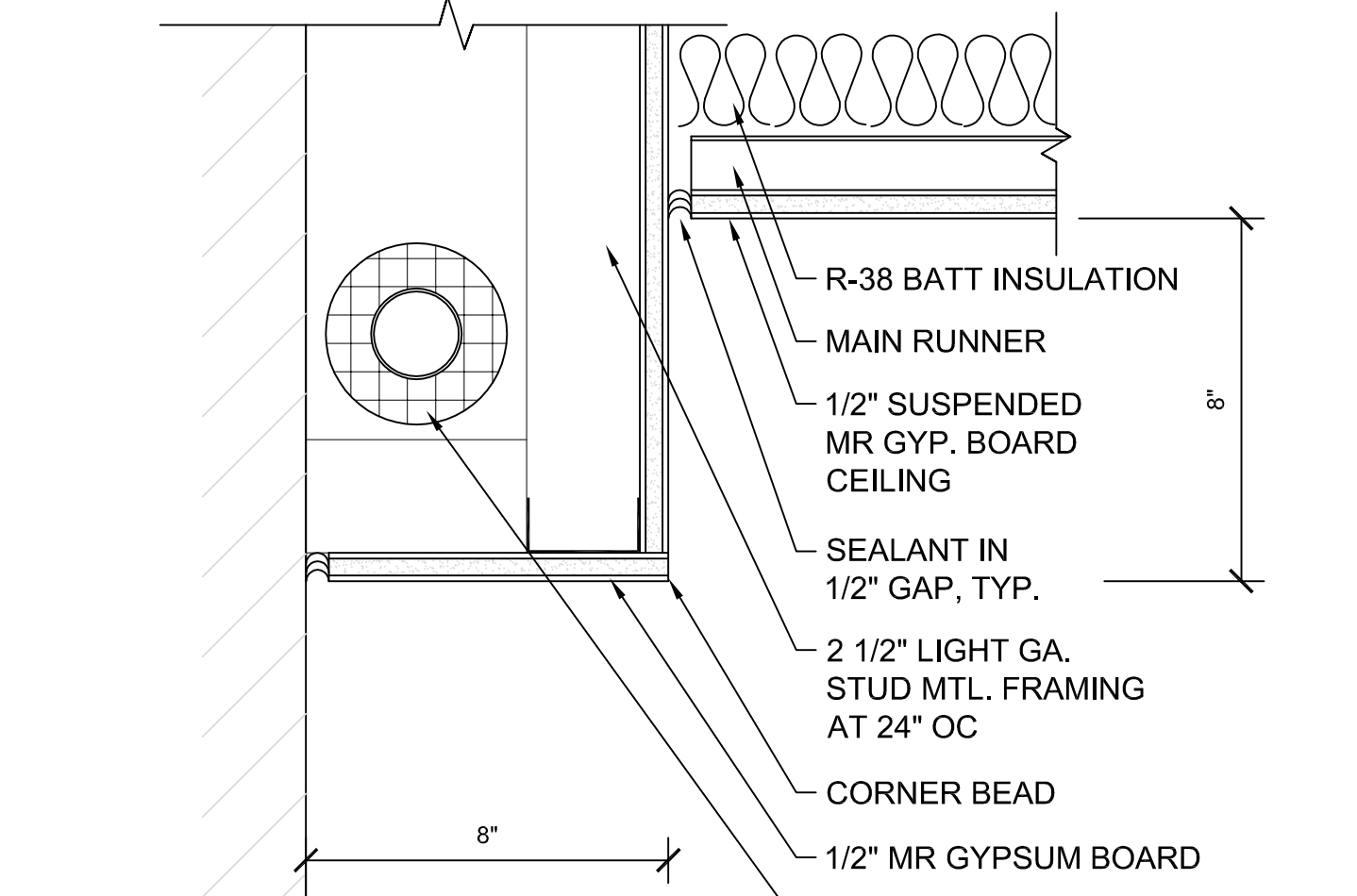
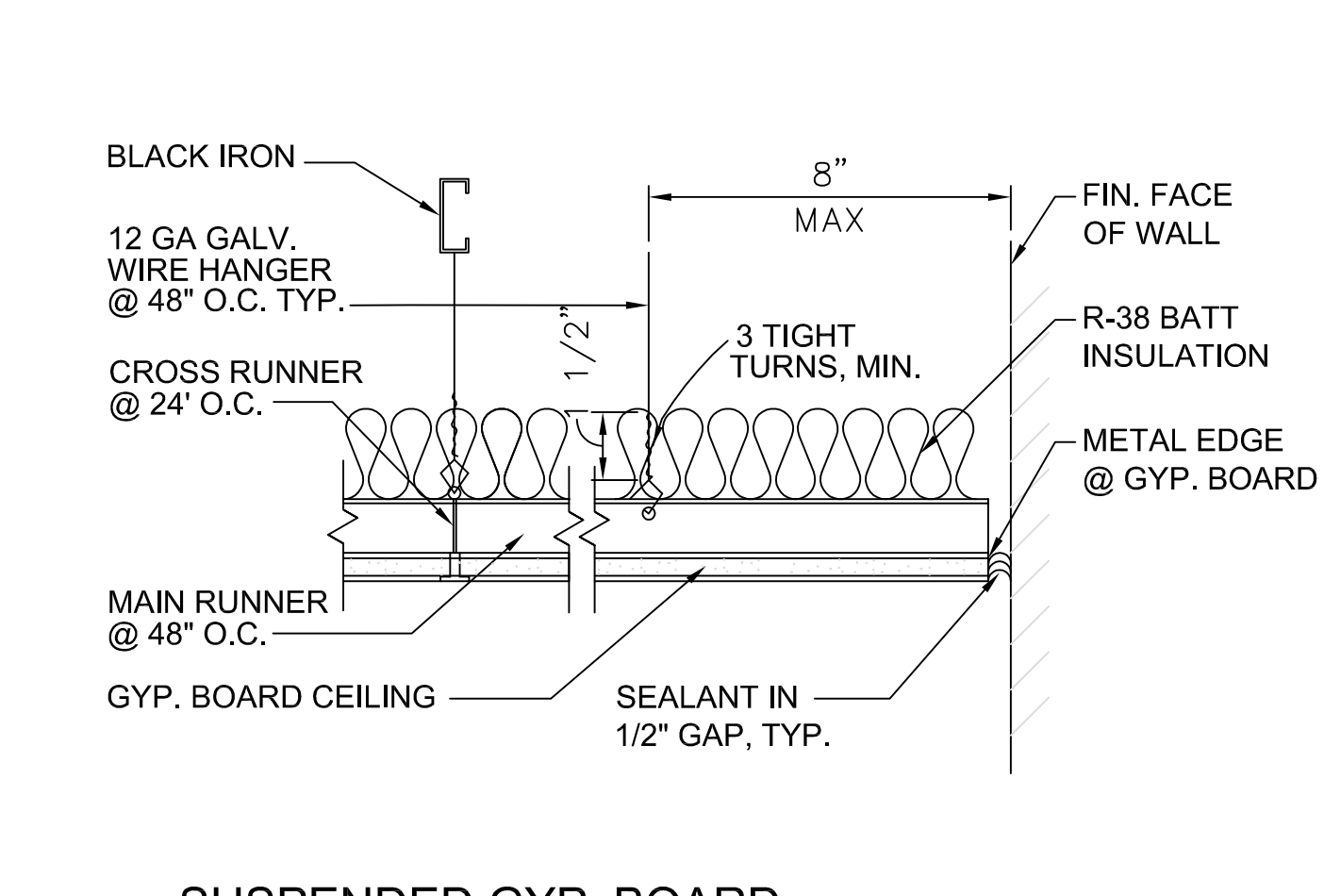


11 NOT USED

8 SUSPENDED GYP. BOARD CEILINGS AT PERIMETER
SCALE: 3" = 1'-0"

5 SOFFIT CEILING
SCALE: 3" = 1'-0"

2 SUSPENDED WIRE ATTACHEMENT OPTIONS
SCALE: 3" = 1'-0"

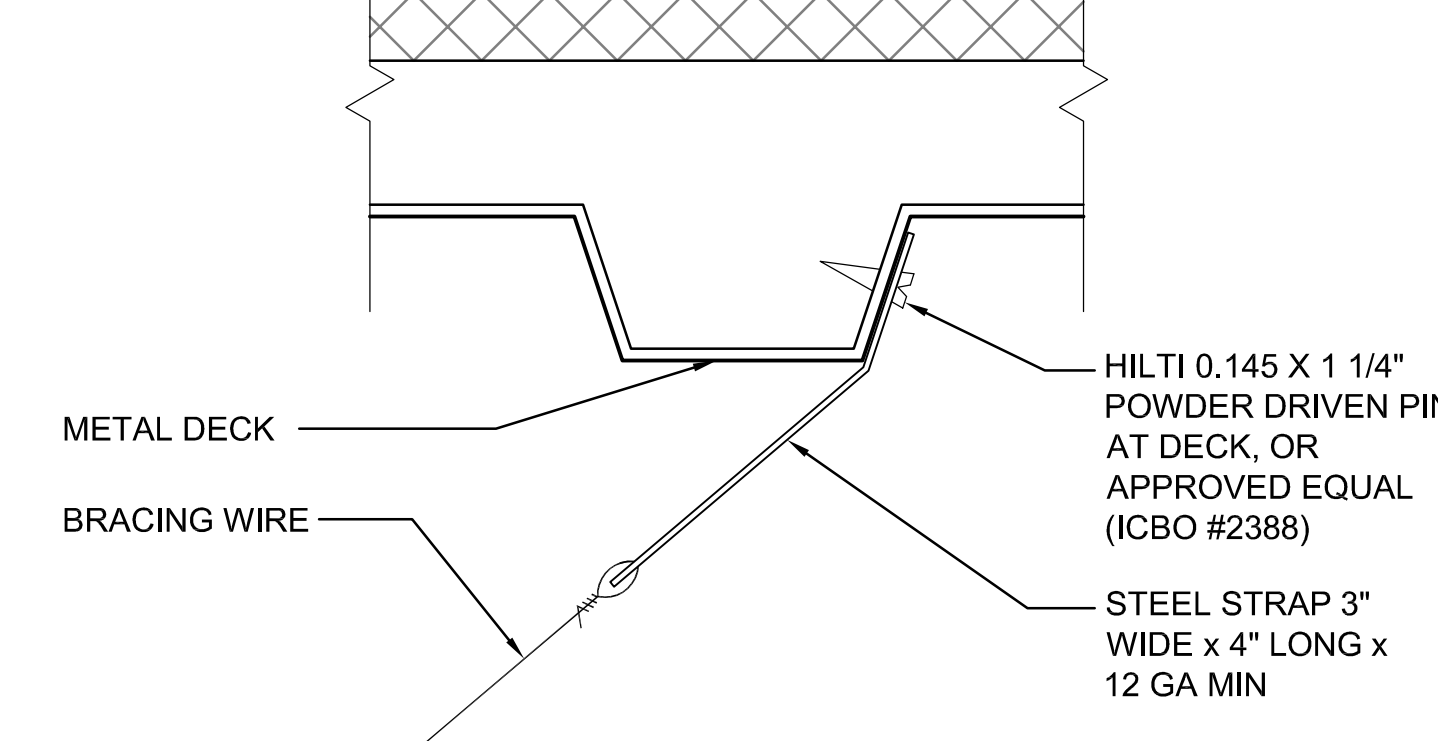
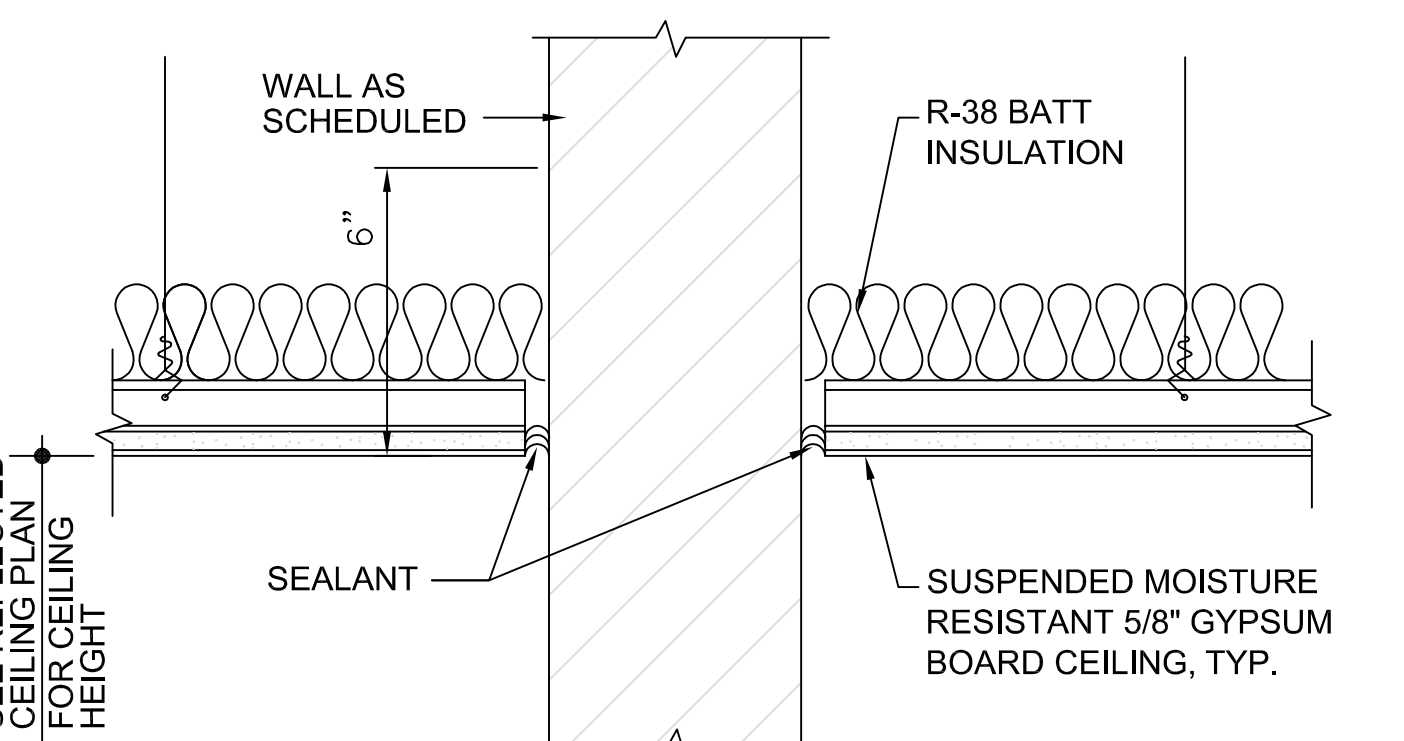


10 NOT USED

7 TYPICAL PARTITION AT CEILING PANEL
SCALE: 3" = 1'-0"

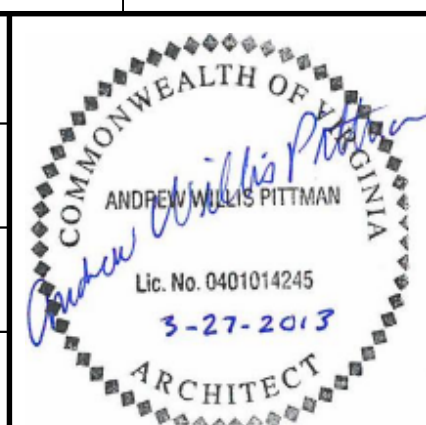
4 BRACING WIRE CONN. TO MTL. DECK
SCALE: 3" = 1'-0"

1 GENERAL NOTES: SUSPENDED CEILINGS
SCALE: NONE



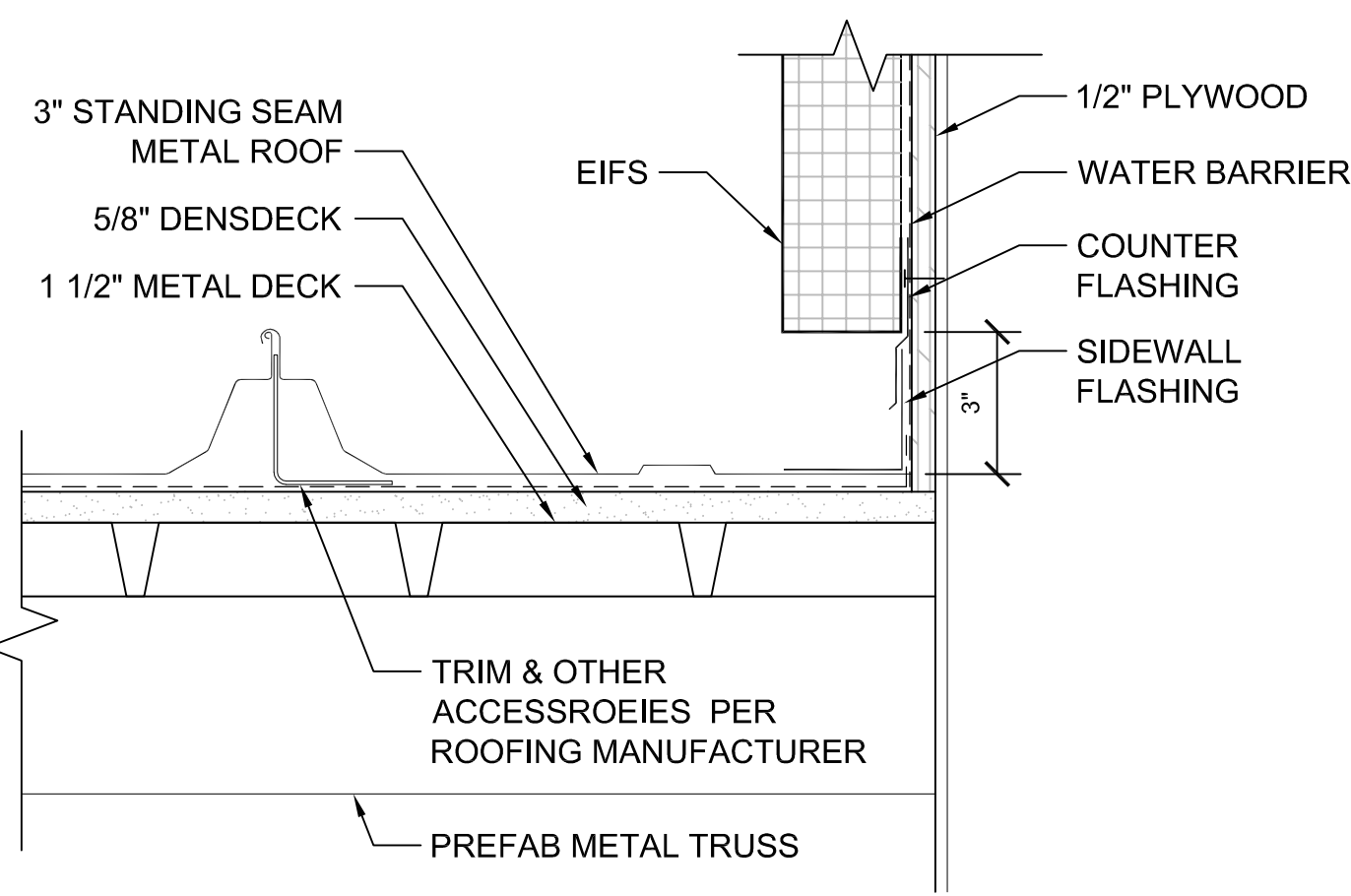
GENERAL NOTES: SUSPENDED GYP. BOARD CEILINGS
A) ALL CEILINGS SHALL USE A HEAVY DUTY BLACK IRON SUB FRAME SUSPENSION SYSTEM.

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	AWP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF / OO
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						AWP
						DATE:
						03/27/13

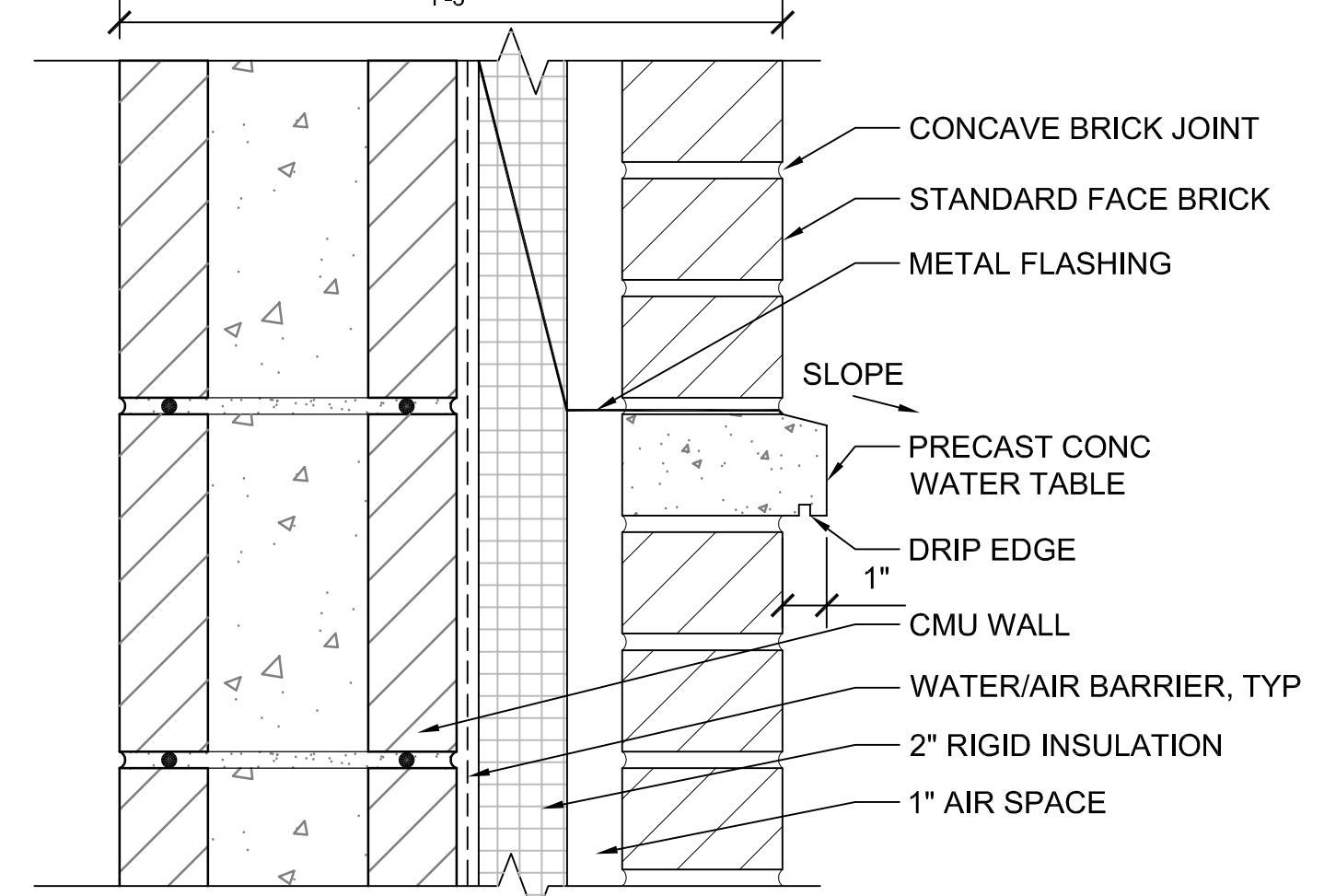


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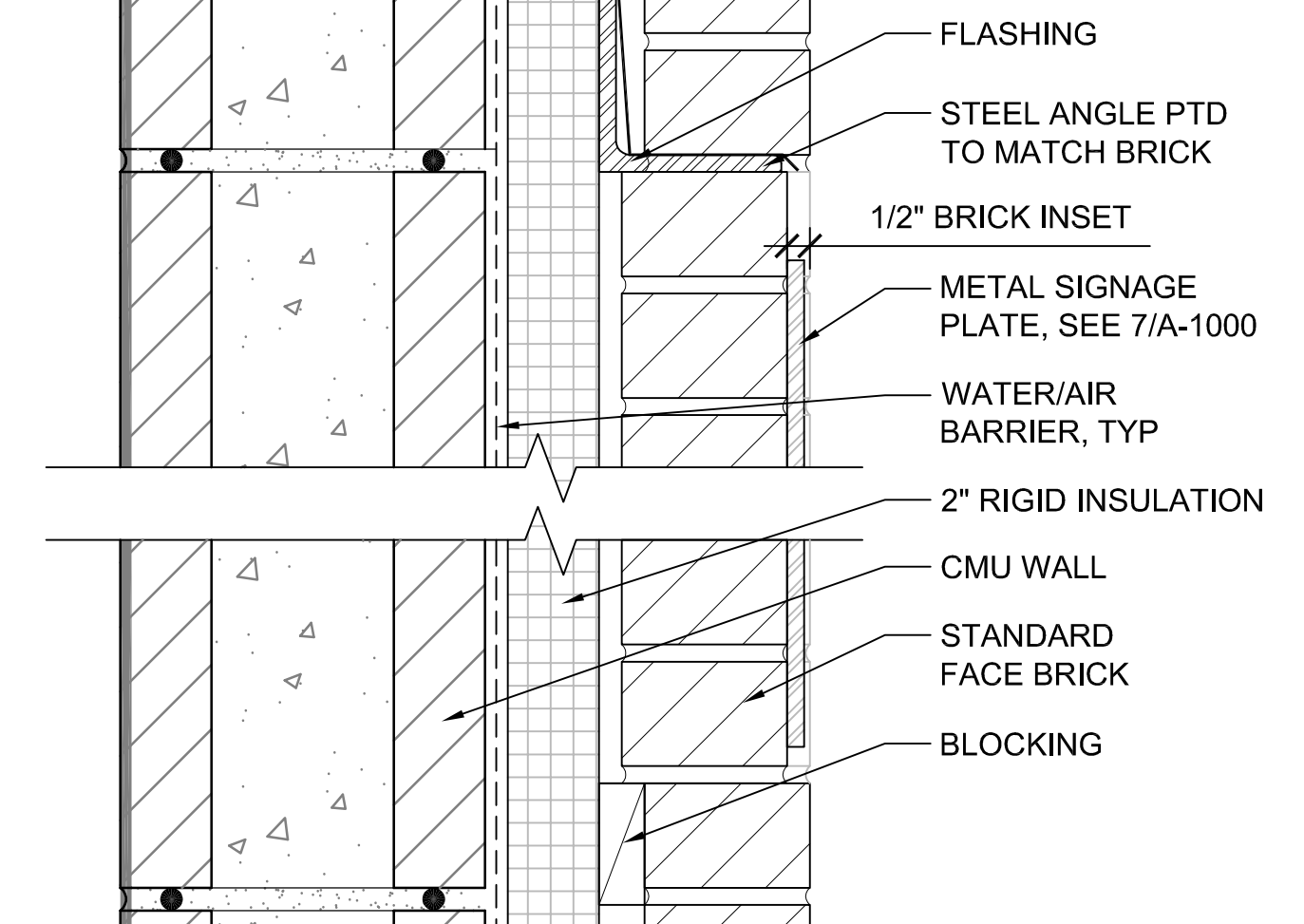
SPOTSYLVANIA STATION
CEILING DETAILS
IFB NO: 013-013
DRAWING NO: A-701
SCALE: AS NOTED
SHEET NO: 40 OF 66



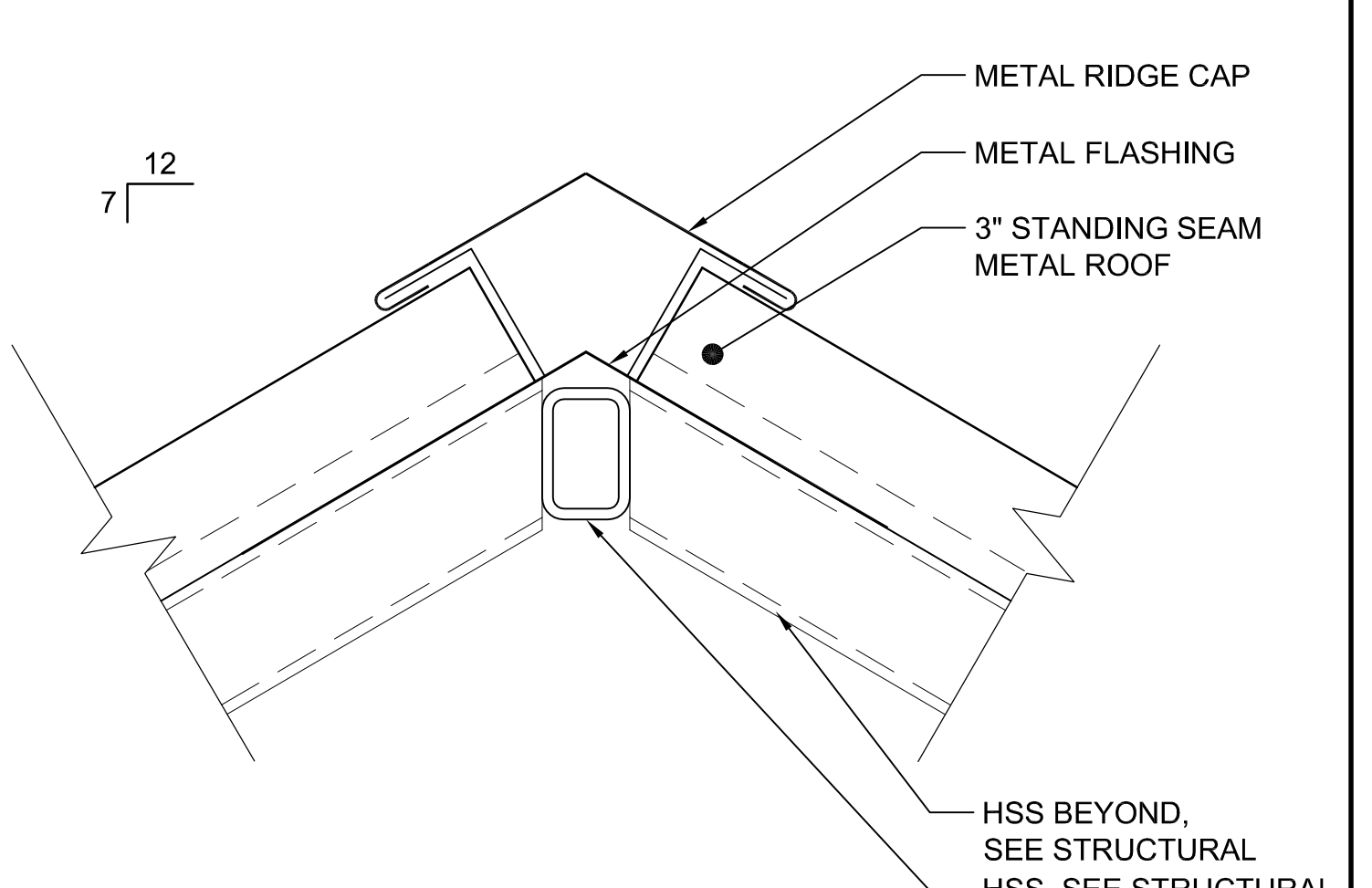
9 HEADHOUSE FLASHING
SCALE: 3" = 1'-0"



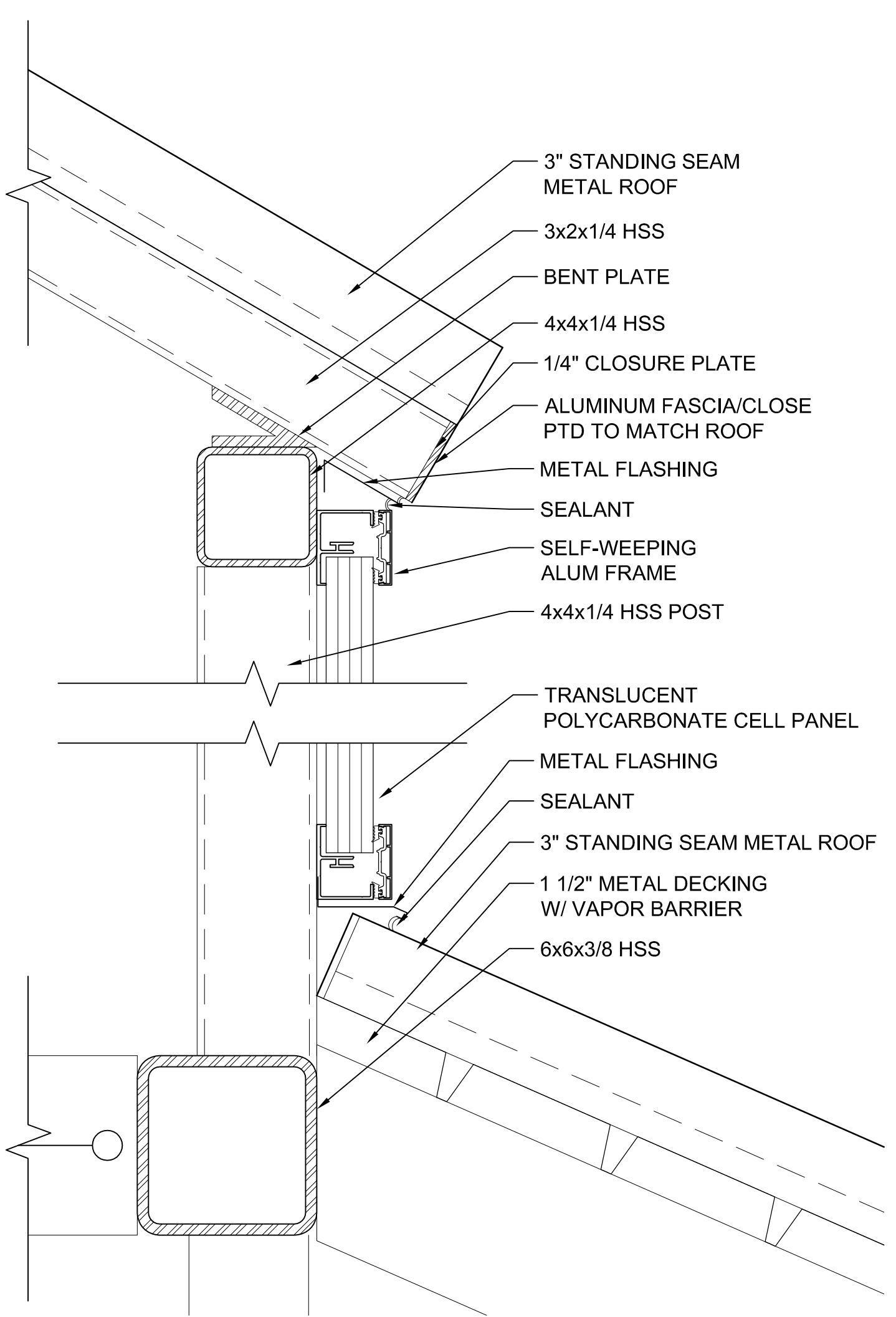
7 PRECAST CONC. WATER TABLE
SCALE: 3" = 1'-0"



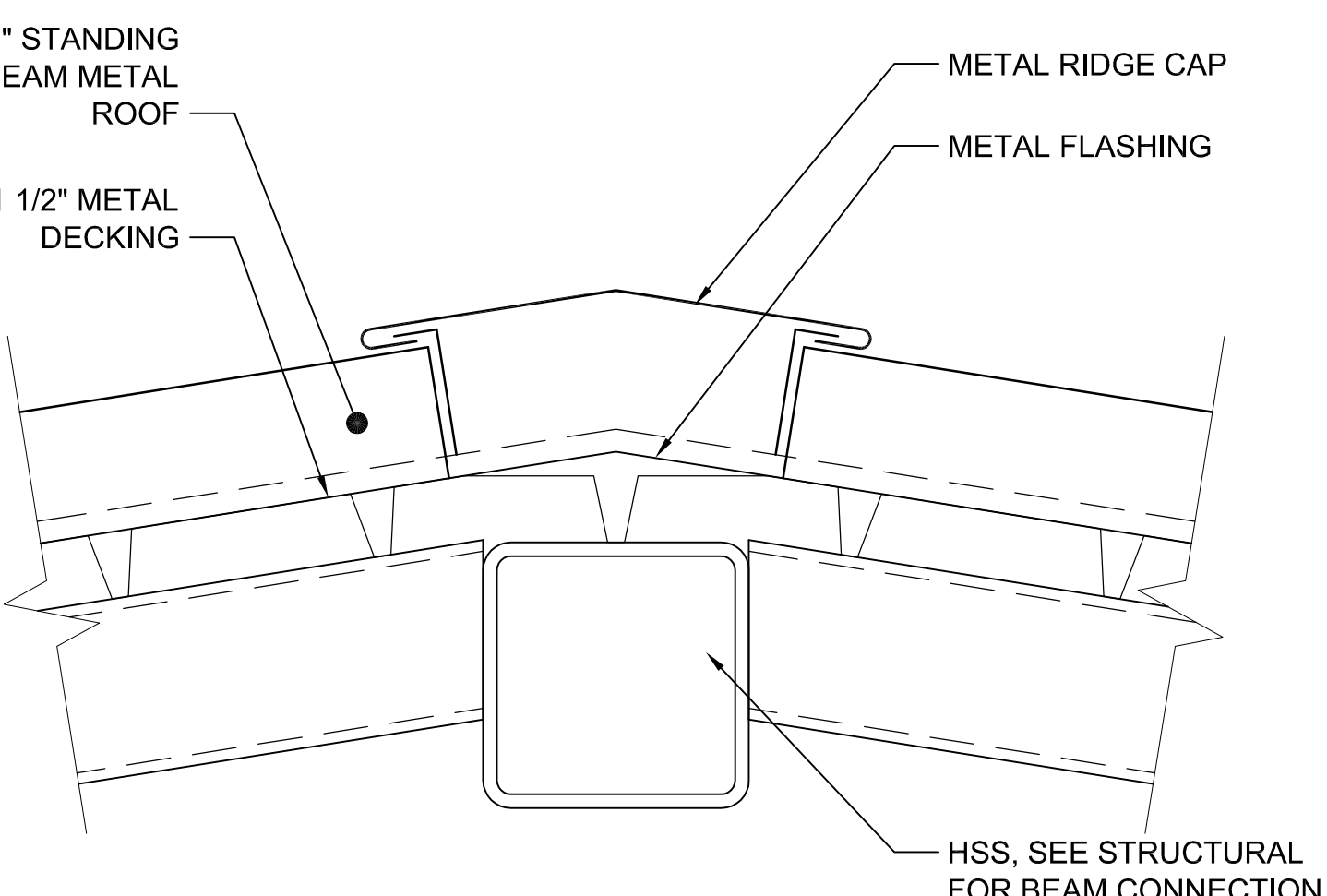
6 INSET SIGNAGE PANEL
SCALE: 3" = 1'-0"



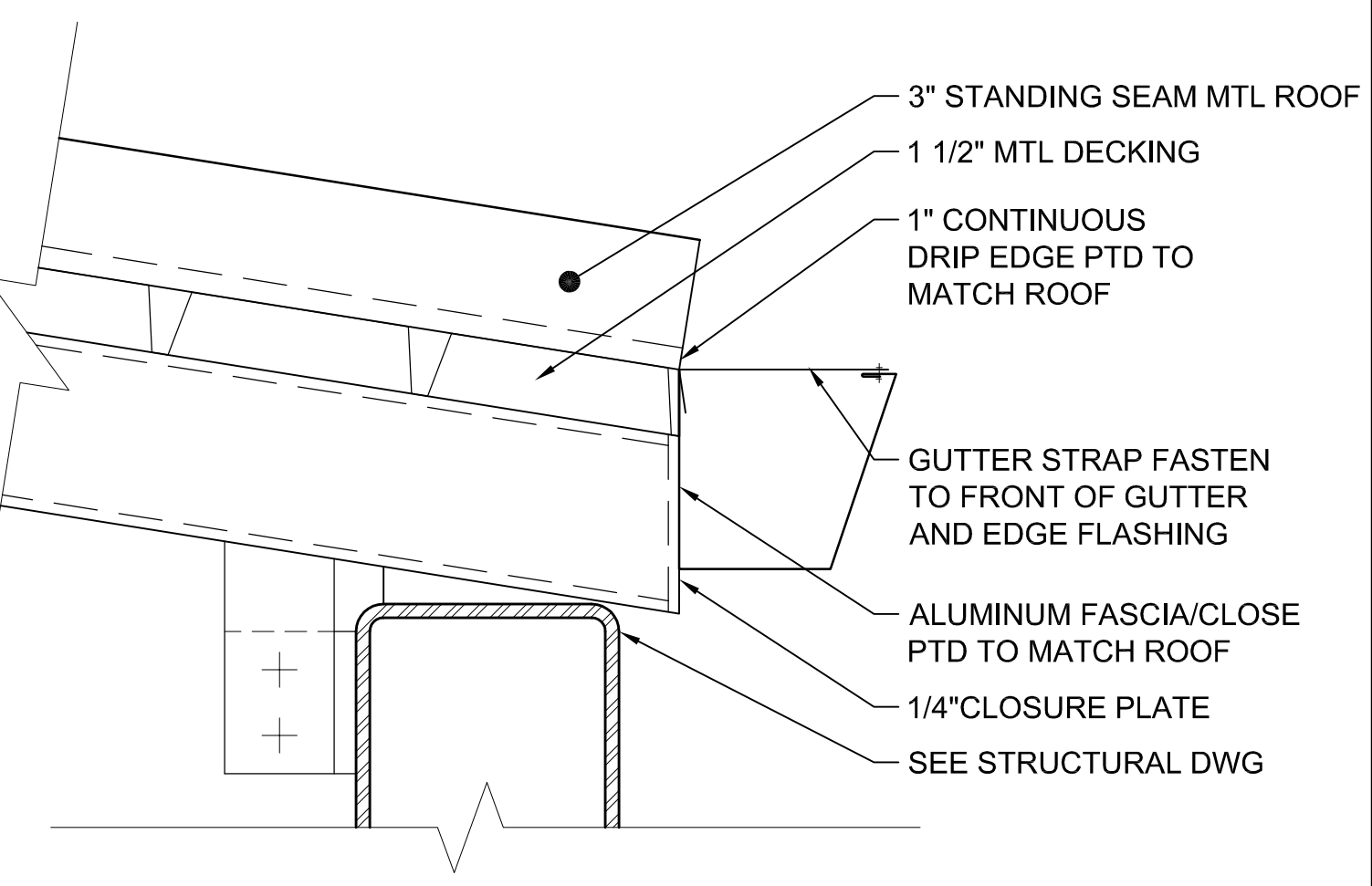
2 CUPOLA ROOF RIDGE
SCALE: 3" = 1'-0"



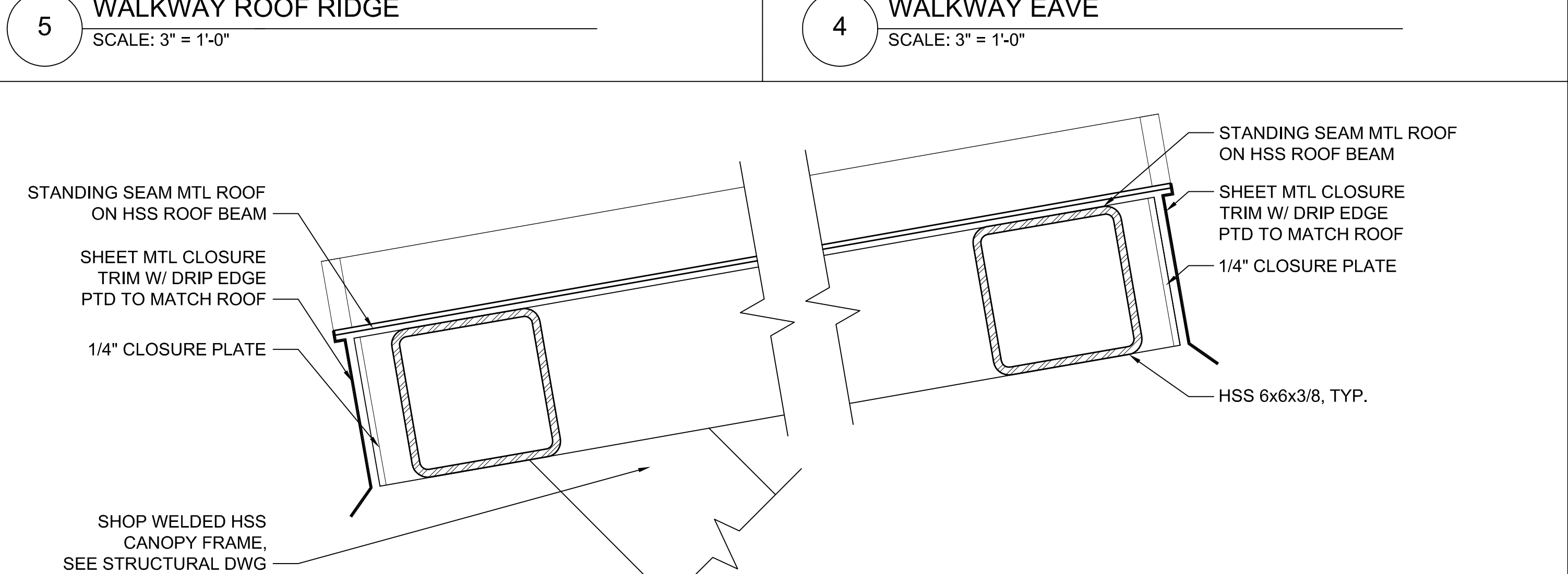
8 CUPOLA POLYCARBONATE PANEL
SCALE: 3" = 1'-0"



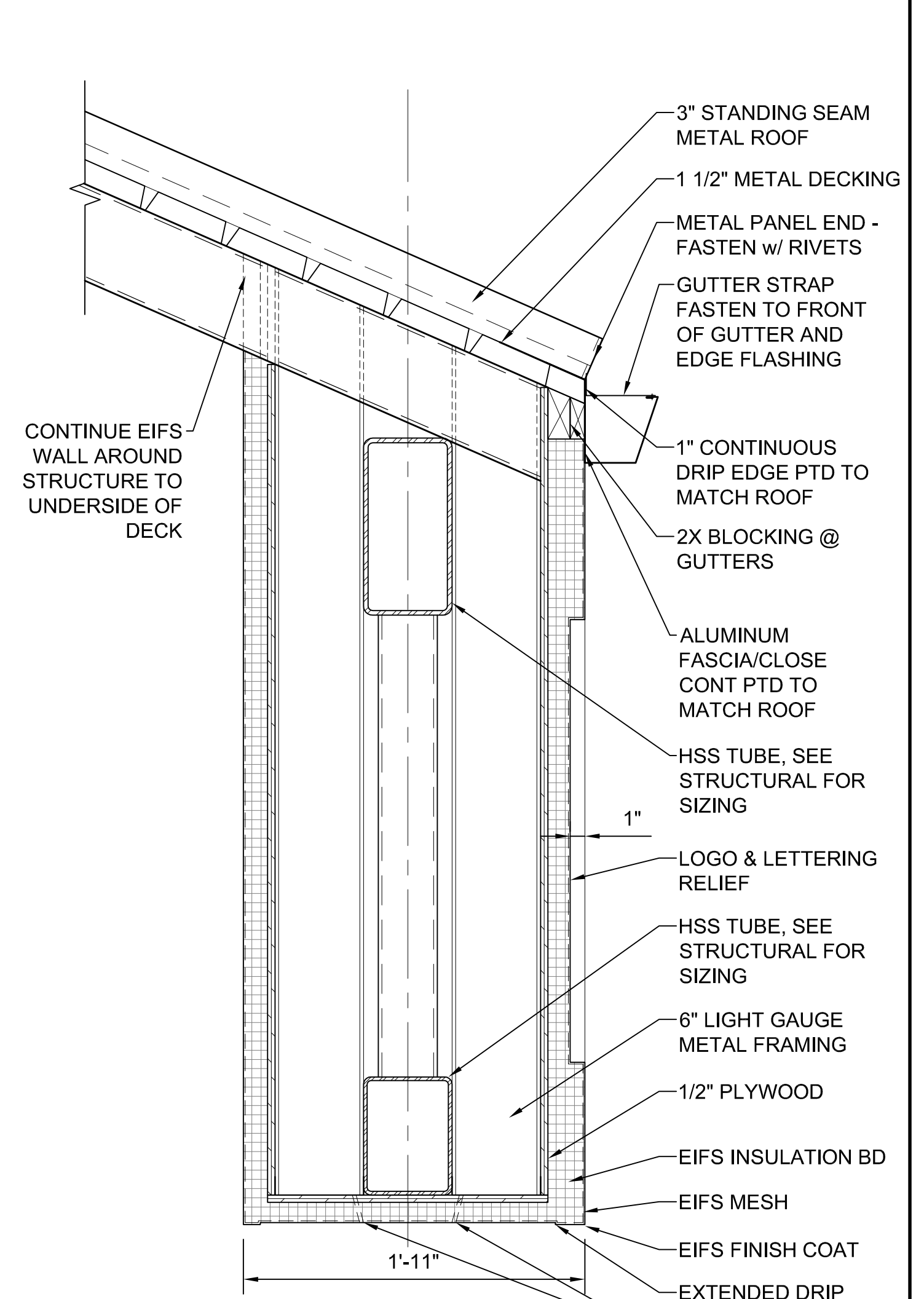
5 WALKWAY ROOF RIDGE
SCALE: 3" = 1'-0"



4 WALKWAY EAVE
SCALE: 3" = 1'-0"



3 CANOPY EAVE
SCALE: 3" = 1'-0"



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

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	OO
		11/21/12			60% SUBMITTAL	OO
		01/11/13			90% SUBMITTAL	OO
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	AWP
						DATE: 03/27/13

DESIGNED BY: OO
DRAWN BY: OO
CHECKED BY: AWP
DATE: 03/27/13



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SPOTSYLVANIA STATION
ROOF & CANOPY DETAILS

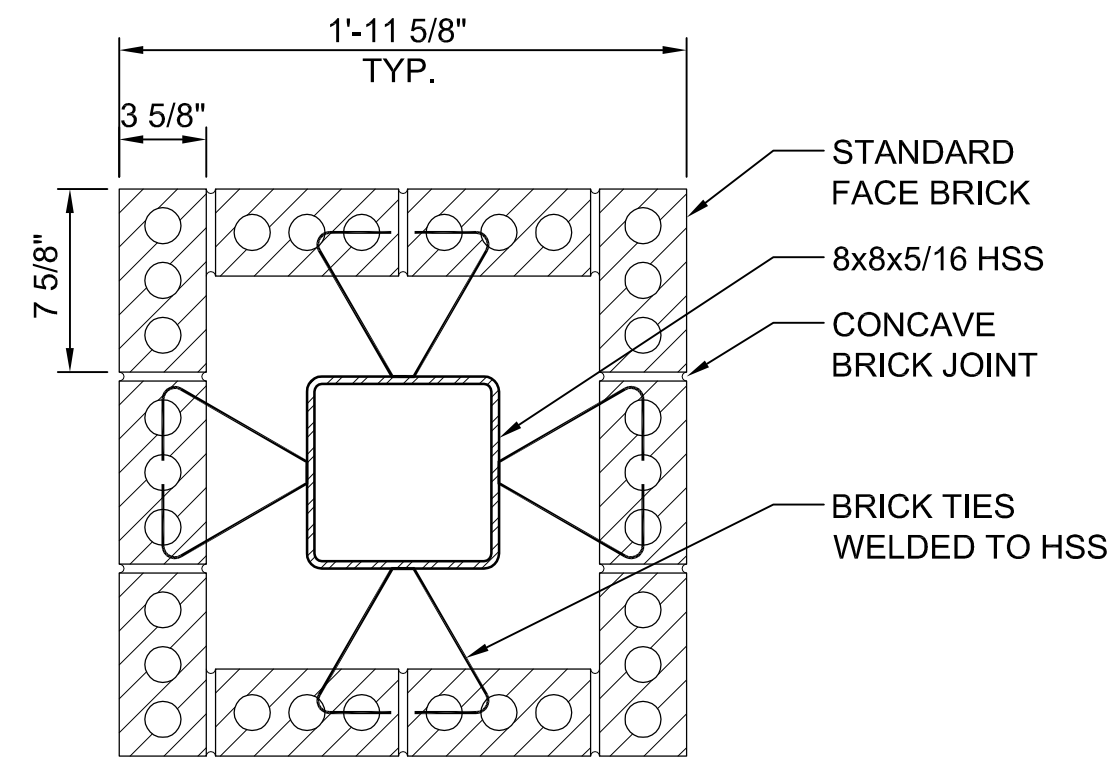
IFB NO: 013-013
DRAWING NO: A-702
SCALE: AS NOTED
SHEET NO: 41 OF 66

11 NOT USED

8 NOT USED

5 NOT USED

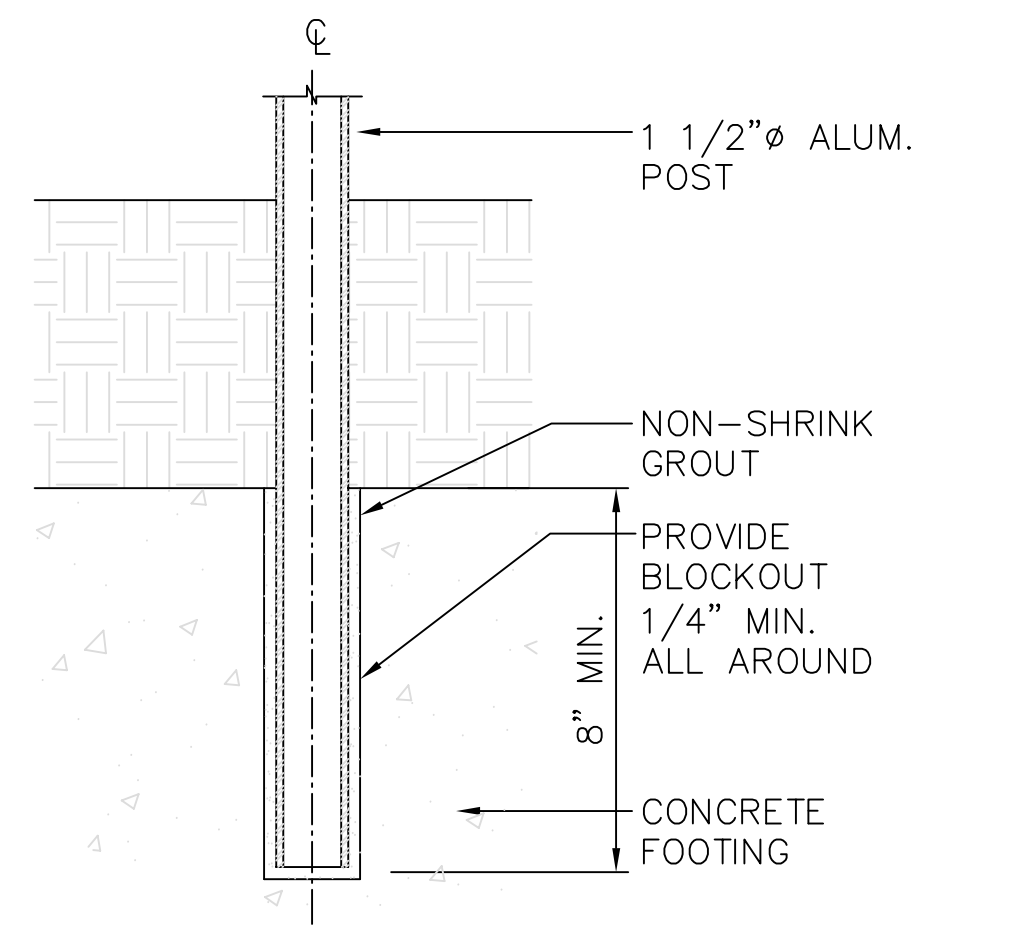
3 BRICK VENEER COLUMN
SCALE: 1 1/2" = 1'-0"



10 NOT USED

7 NOT USED

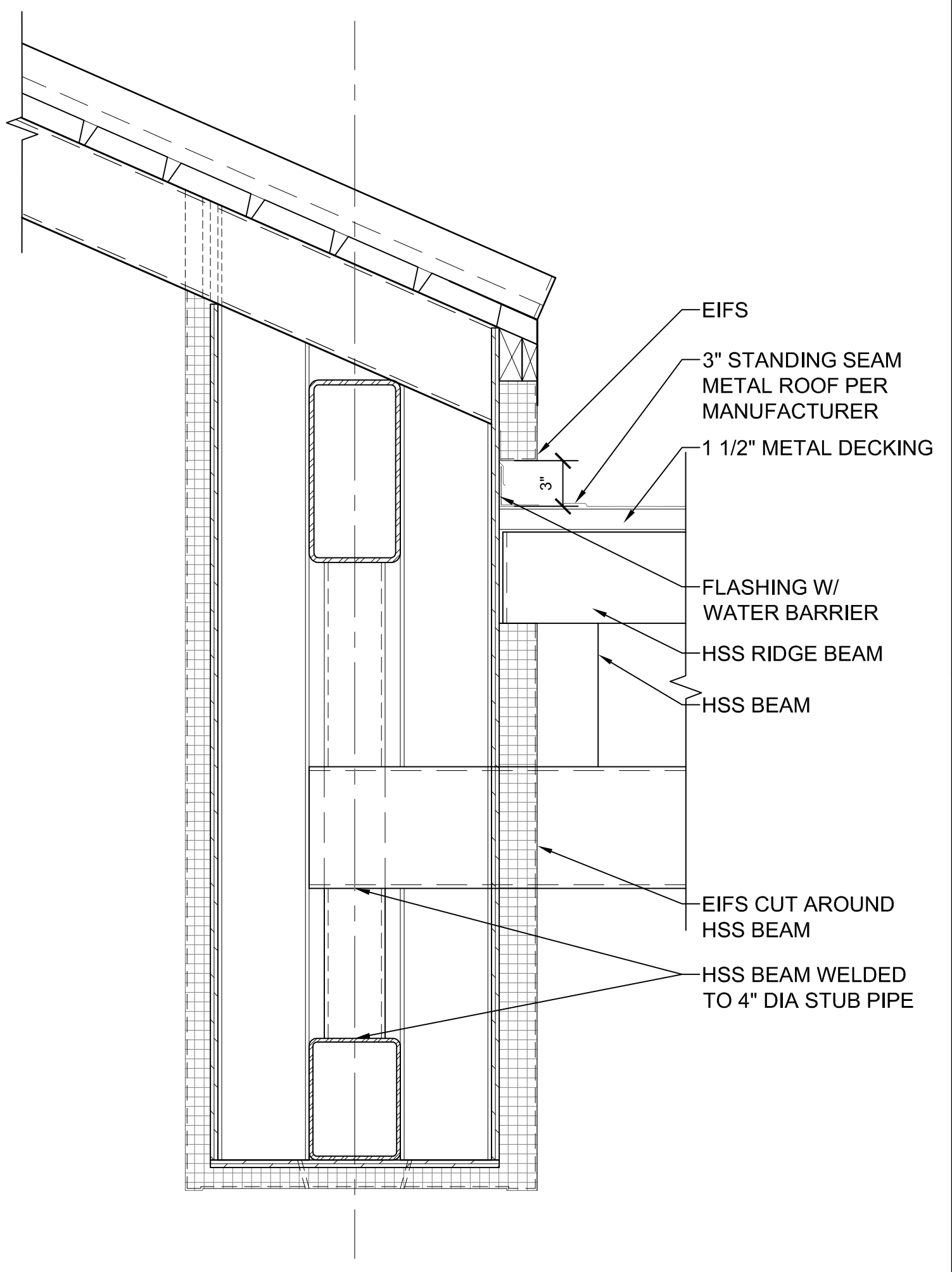
2 FENCE POST
SCALE: 3" = 1'-0"



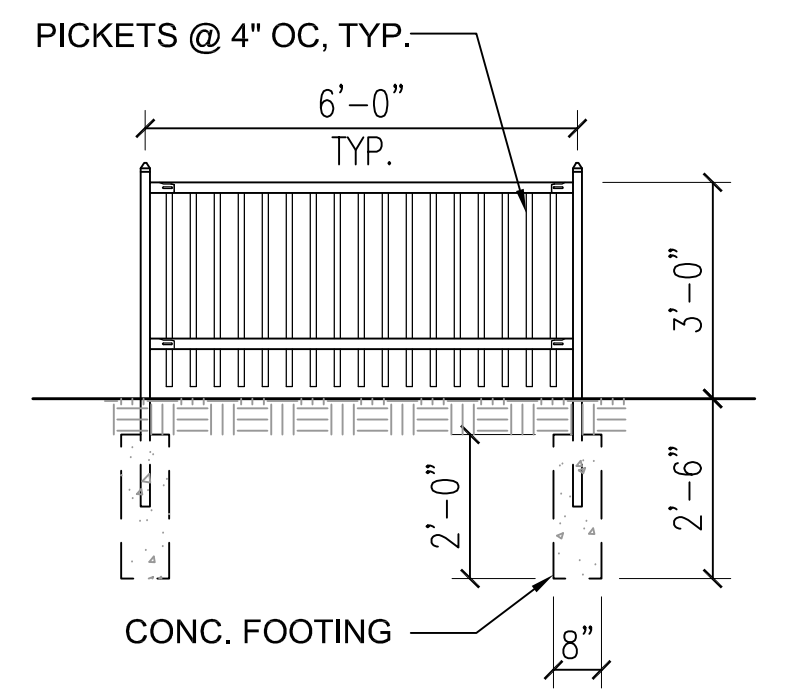
9 NOT USED

6 NOT USED

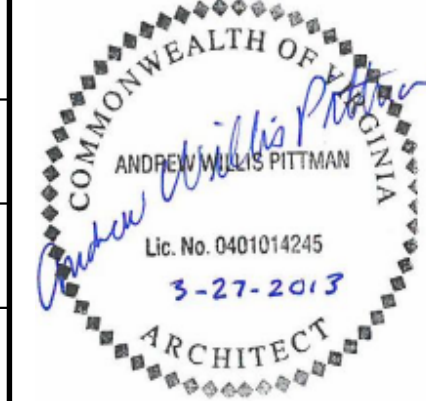
4 HEADHOUSE & WALKWAY CONNECTION
SCALE: 1 1/2" = 1'-0"



1 TYP. ALUM. PICKET FENCE
SCALE: 3/8" = 1'-0"



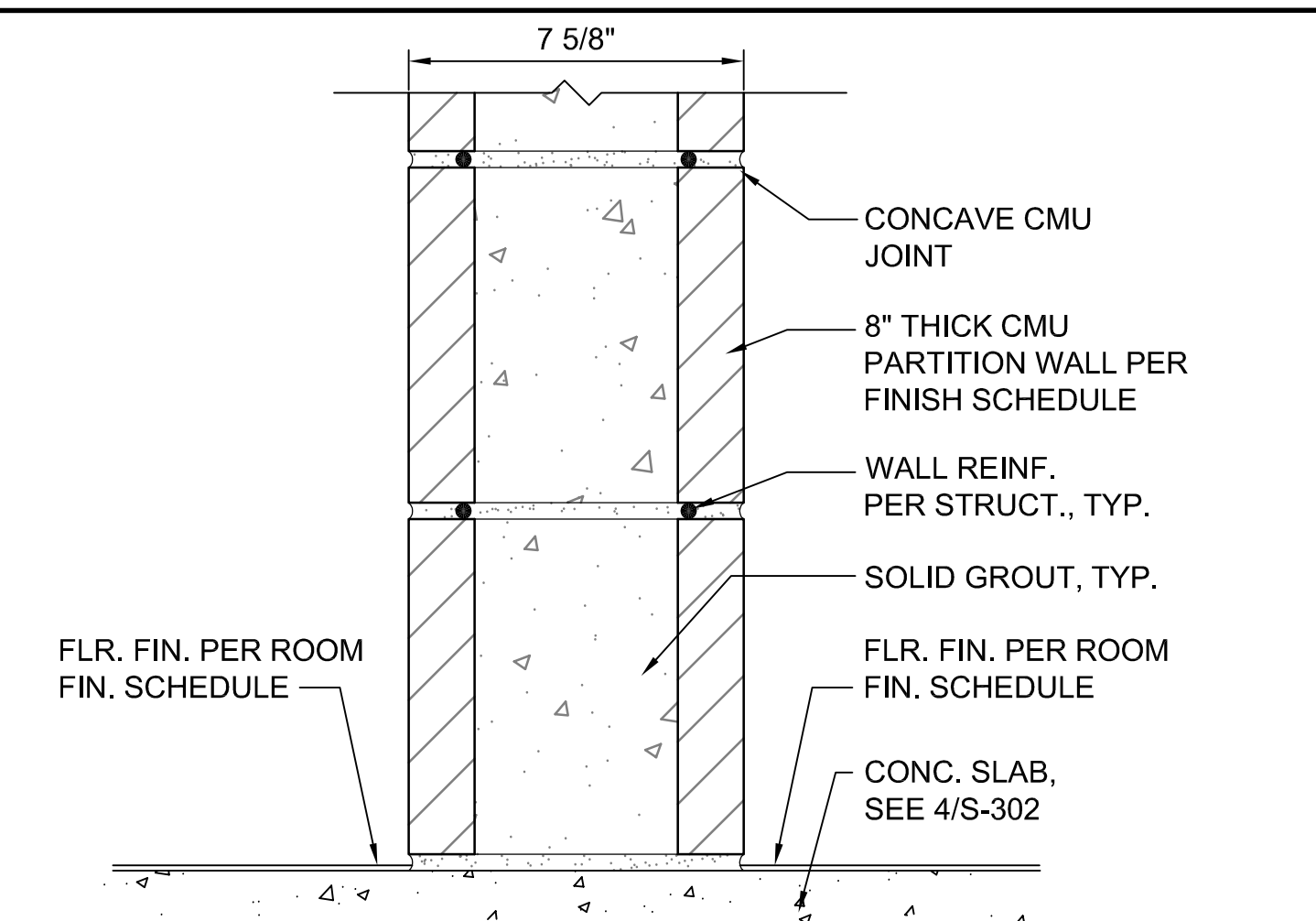
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	AWP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF / OO
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						AWP
						DATE:
						03/27/13



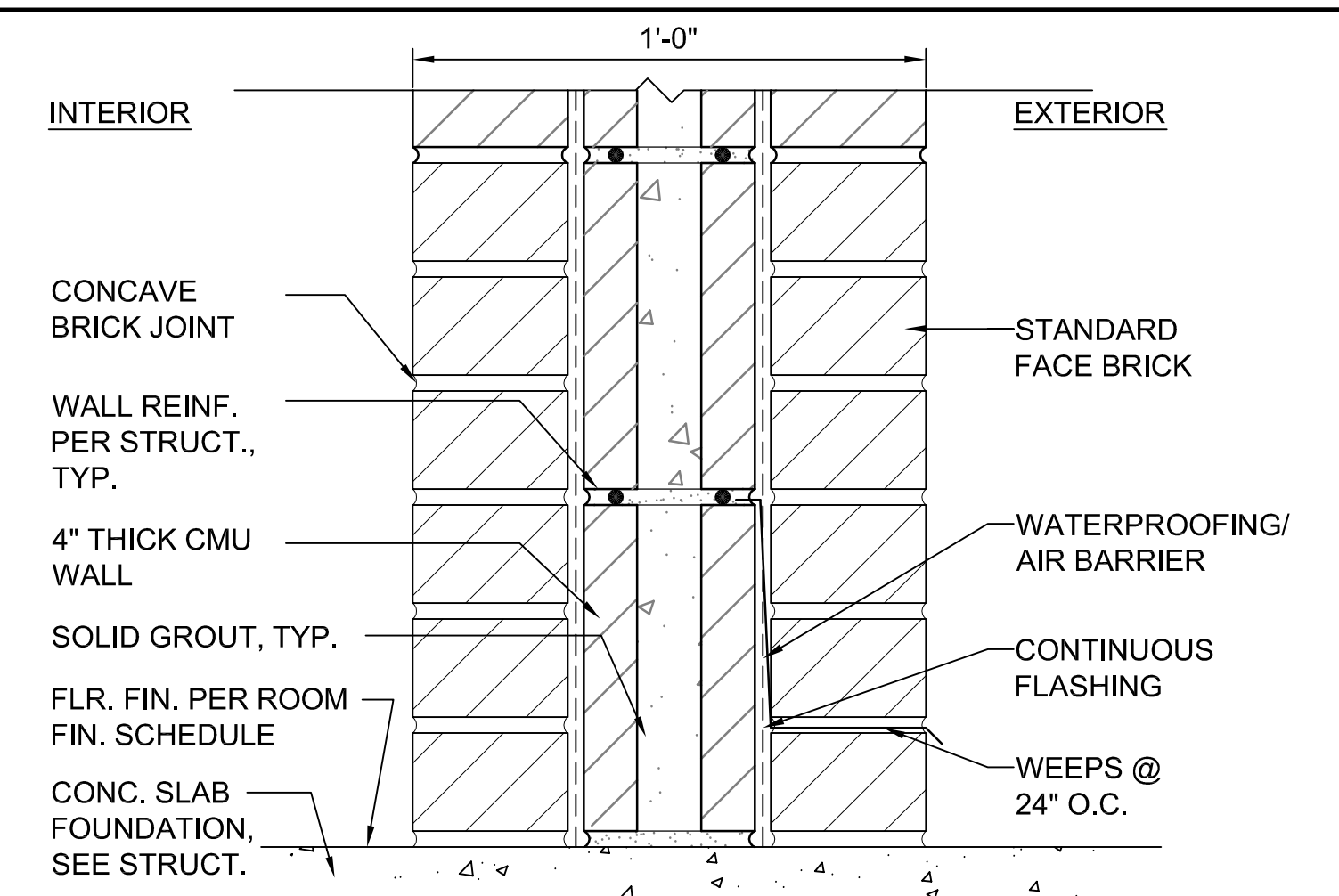
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Fairfax, Virginia 22031

SPOTSYLVANIA STATION
DETAILS

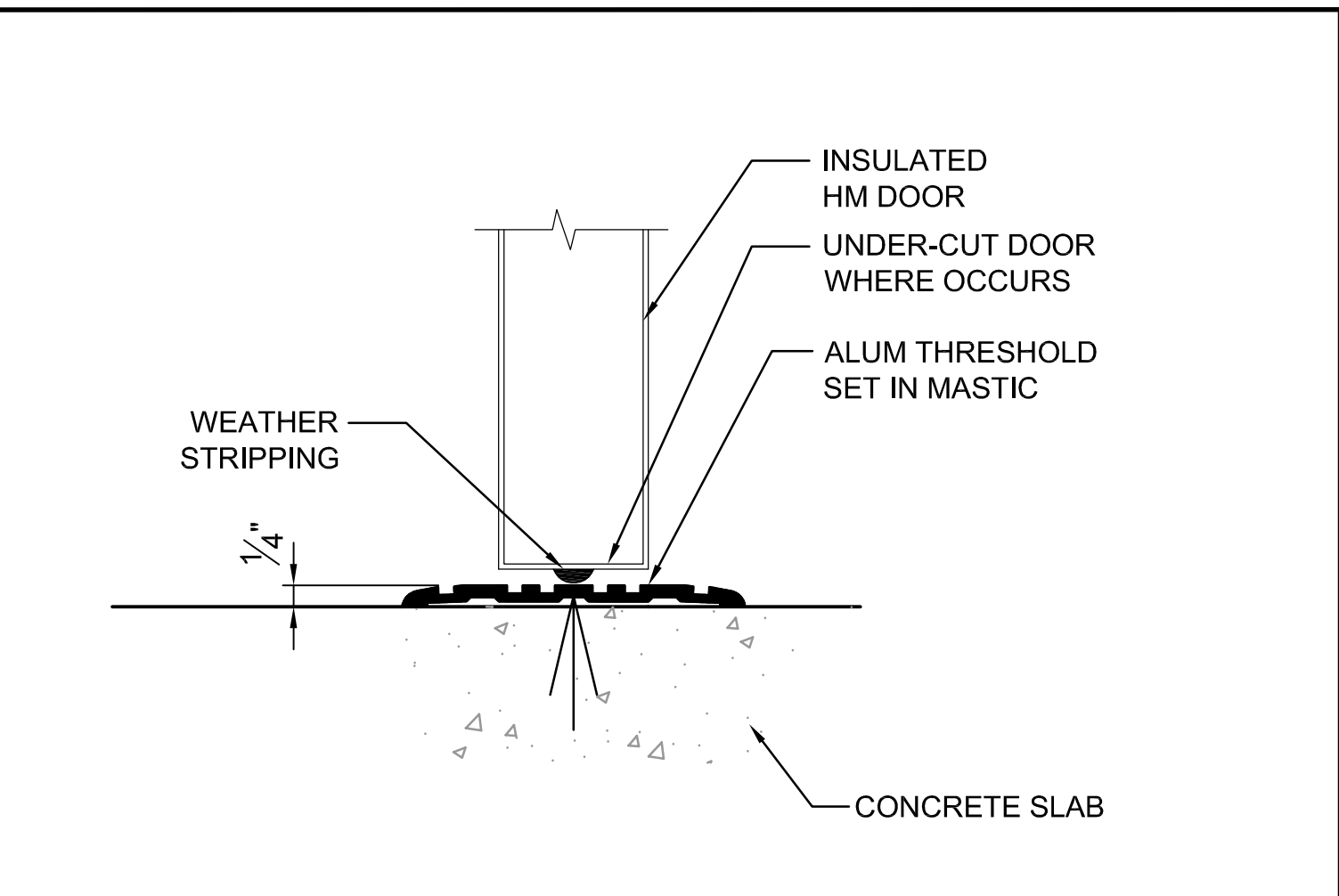
IFB NO:	013-013
DRAWING NO:	A-800
SCALE:	AS NOTED
SHEET NO:	42 OF 66



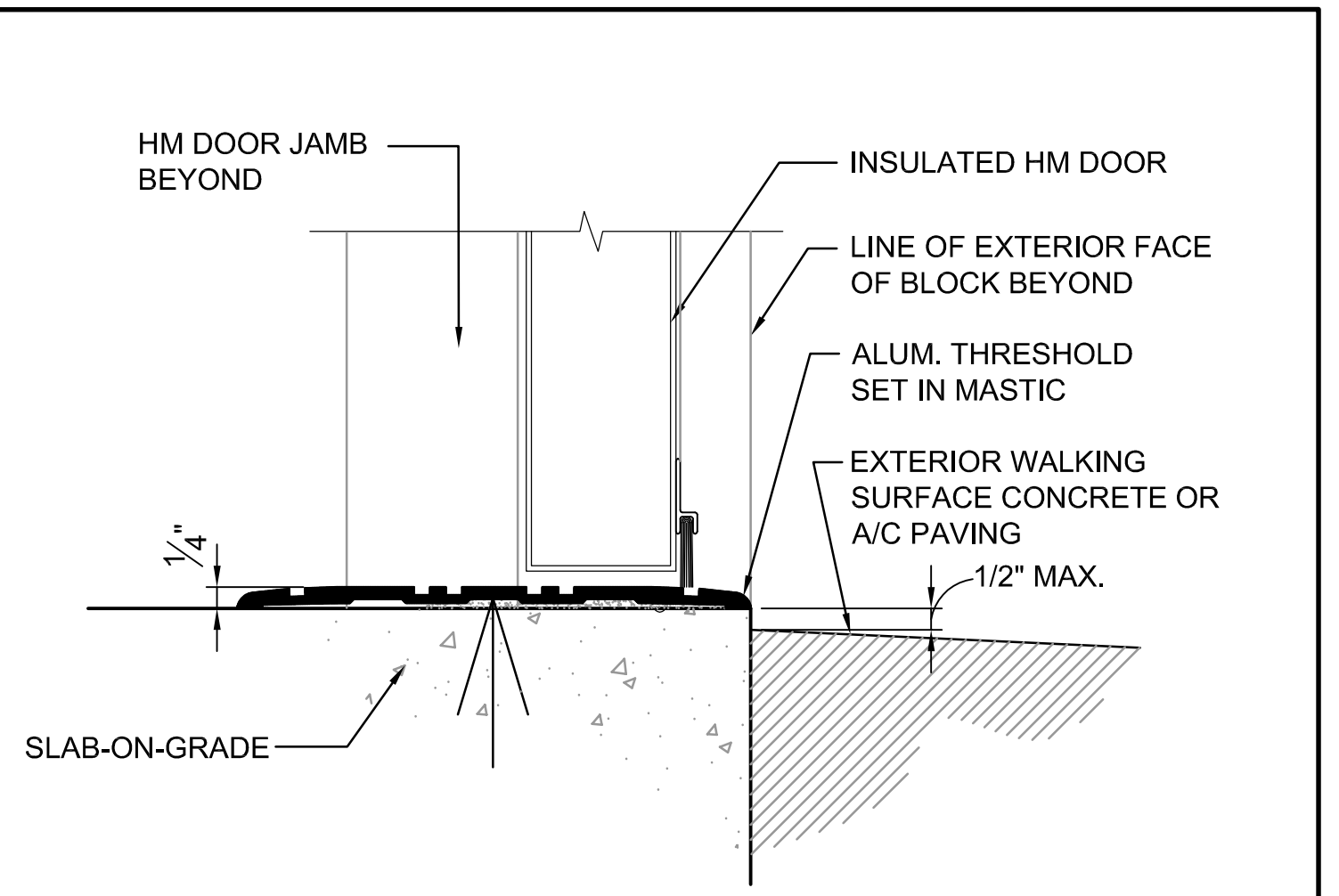
11 WALL TYPE 3
SCALE: 3" = 1'-0"



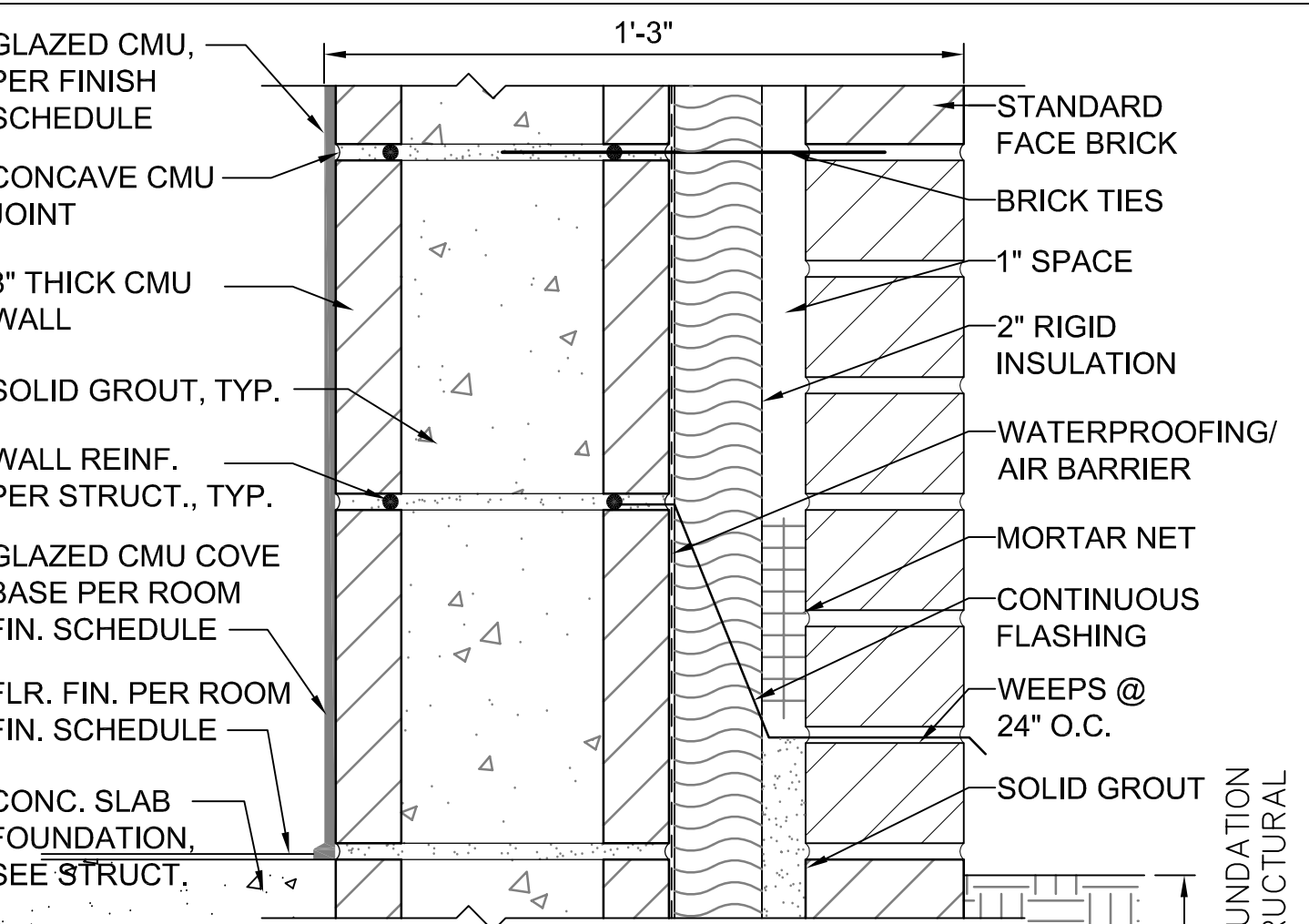
10 WALL TYPE 2
SCALE: 3" = 1'-0"



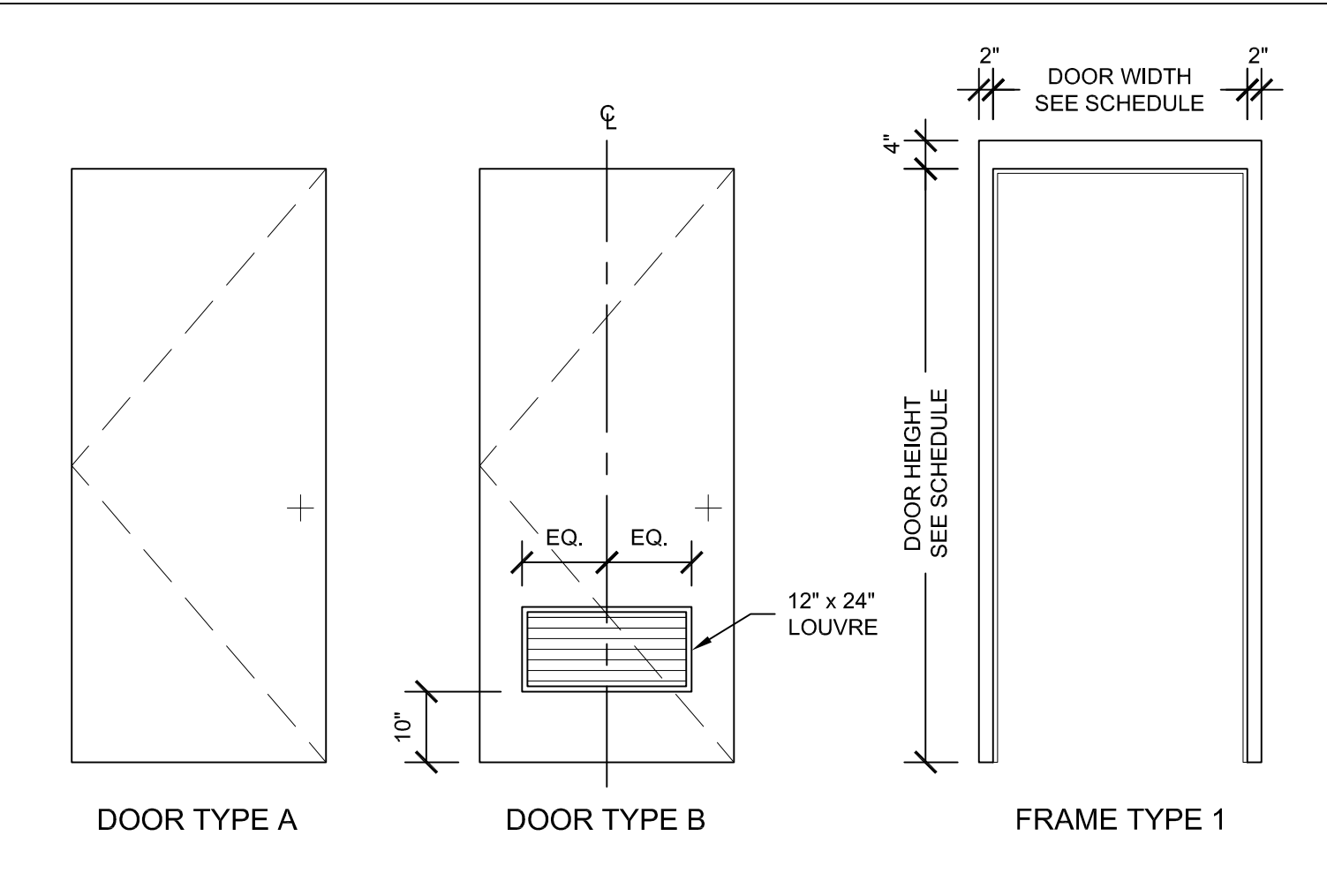
6 THRESHOLD AT CONCRETE - TYPE 2
SCALE: 3" = 1'-0"



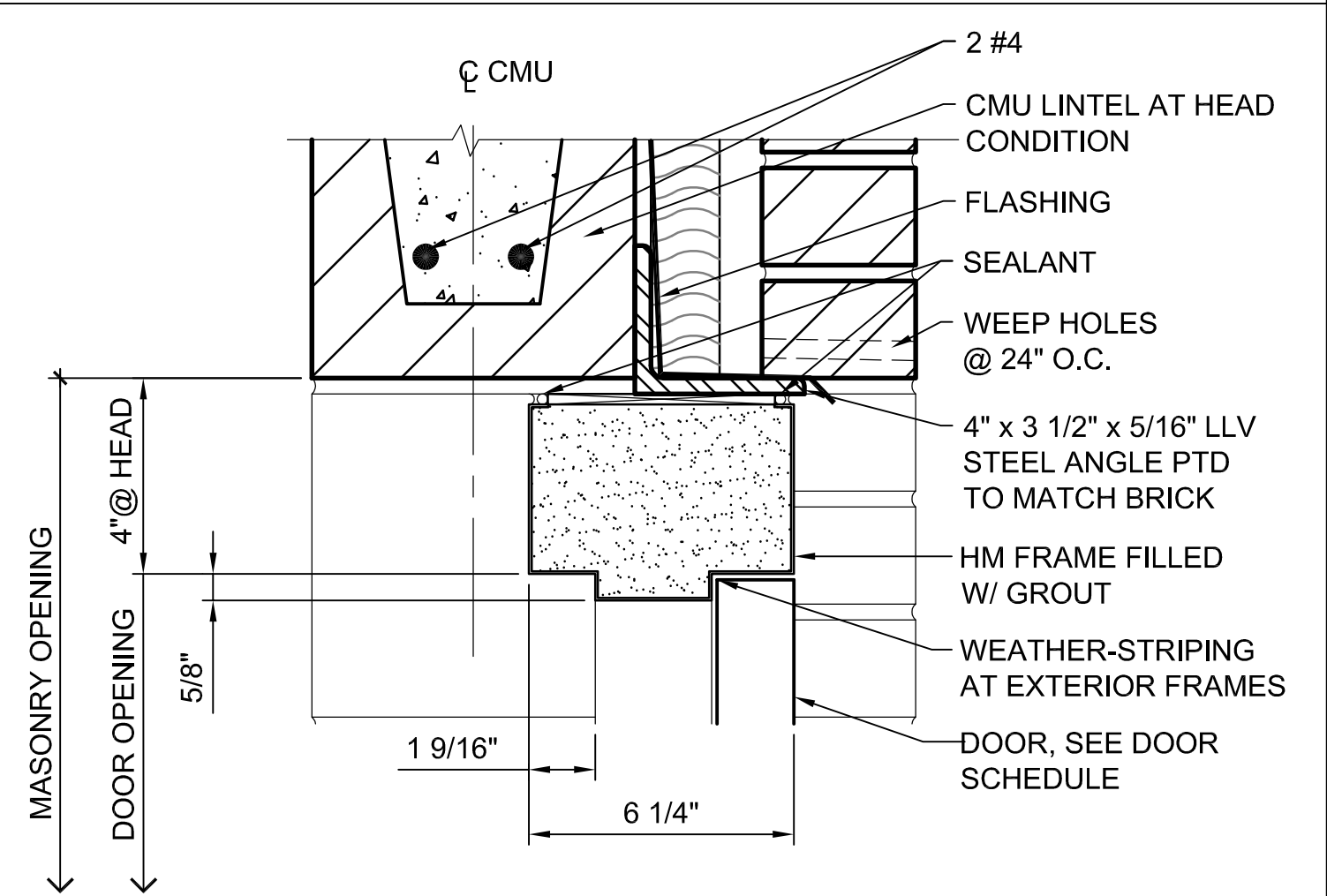
3 THRESHOLD AT EXTERIOR - TYPE 1
SCALE: 3" = 1'-0"



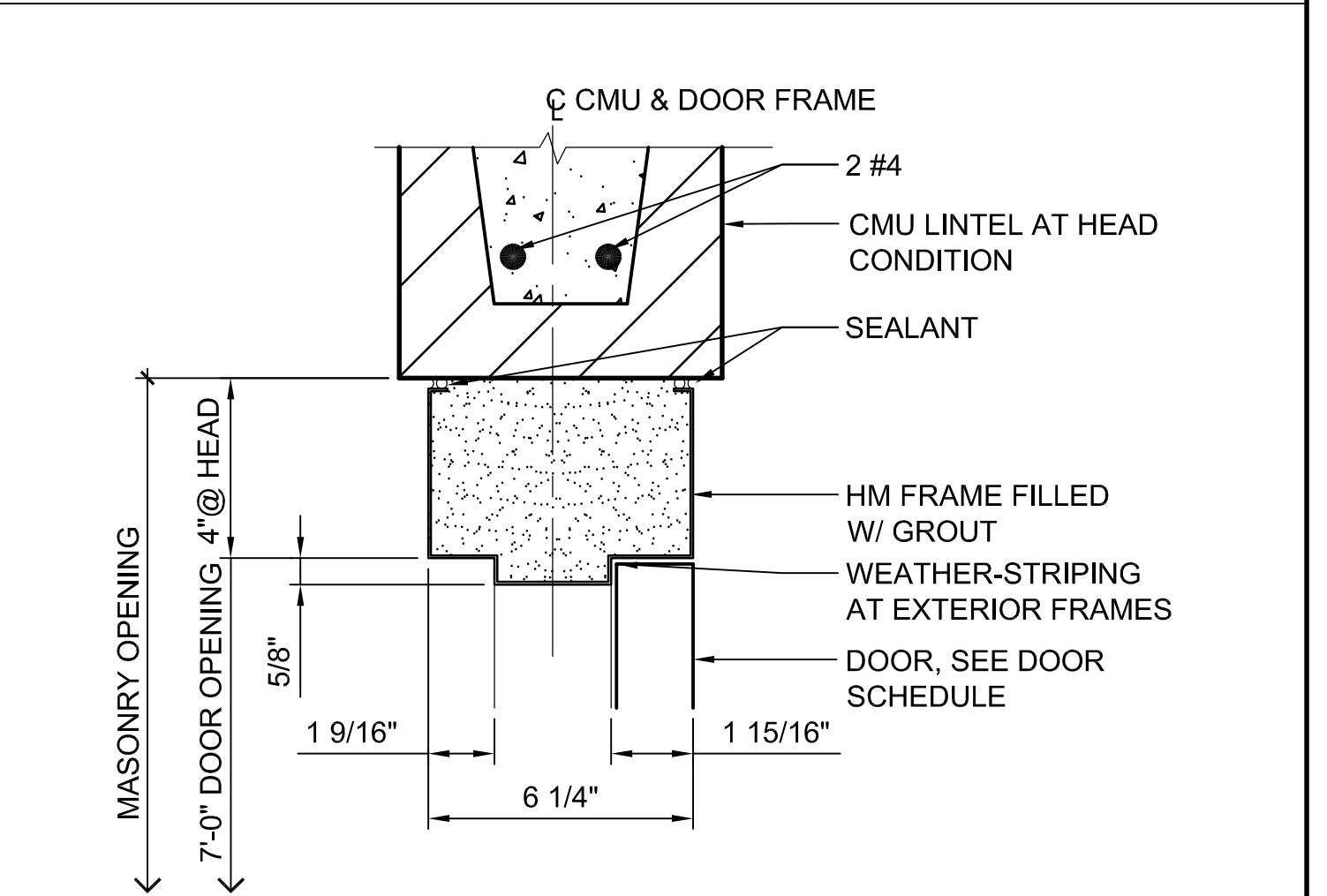
9 WALL TYPE 1
SCALE: 3" = 1'-0"



8 DOOR & FRAME TYPE
SCALE: 1/2" = 1'-0"



5 HEAD AT BRICK / CMU - TYPE 2
SCALE: 3" = 1'-0"

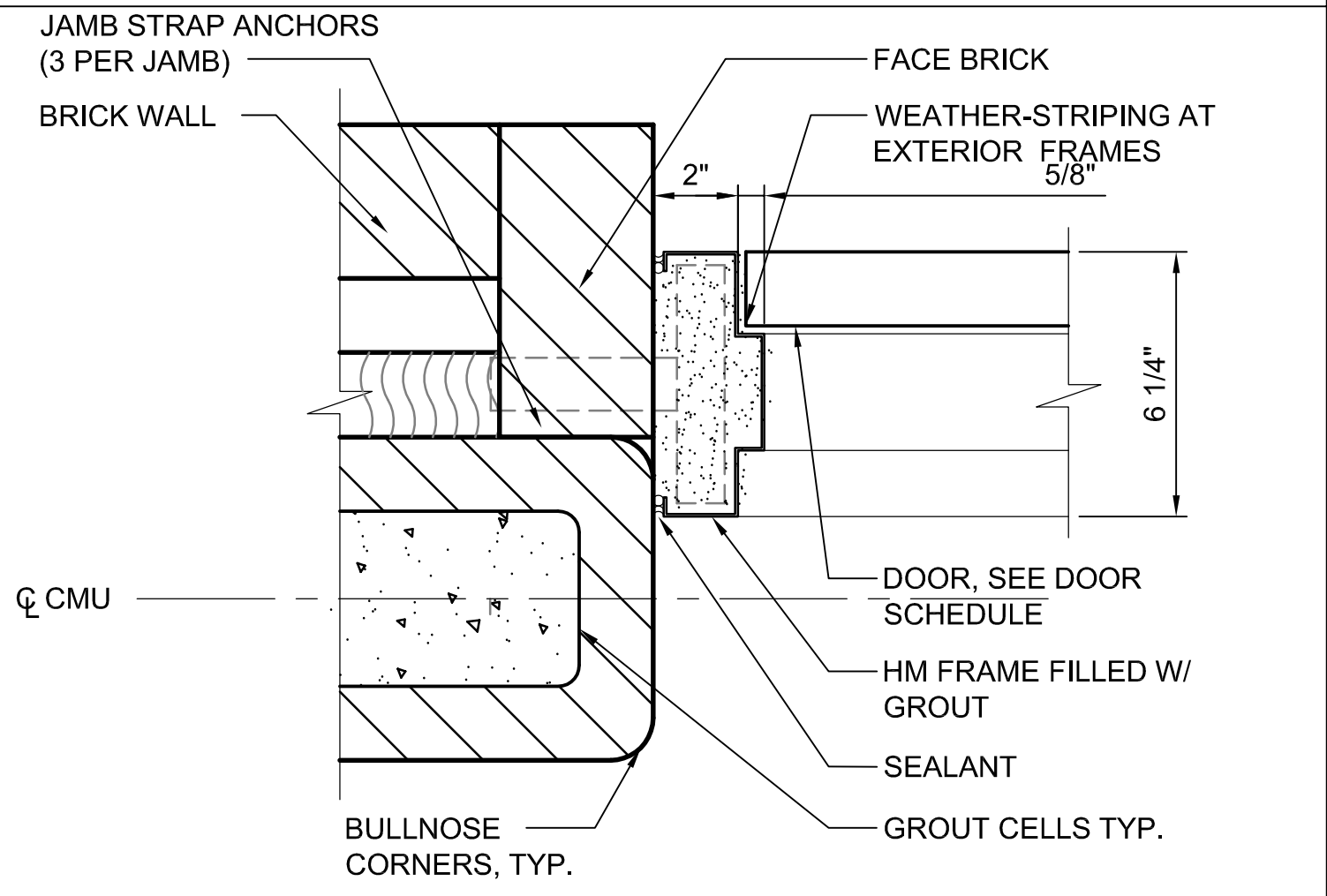


2 HEAD AT CMU - TYPE 1
SCALE: 3" = 1'-0"

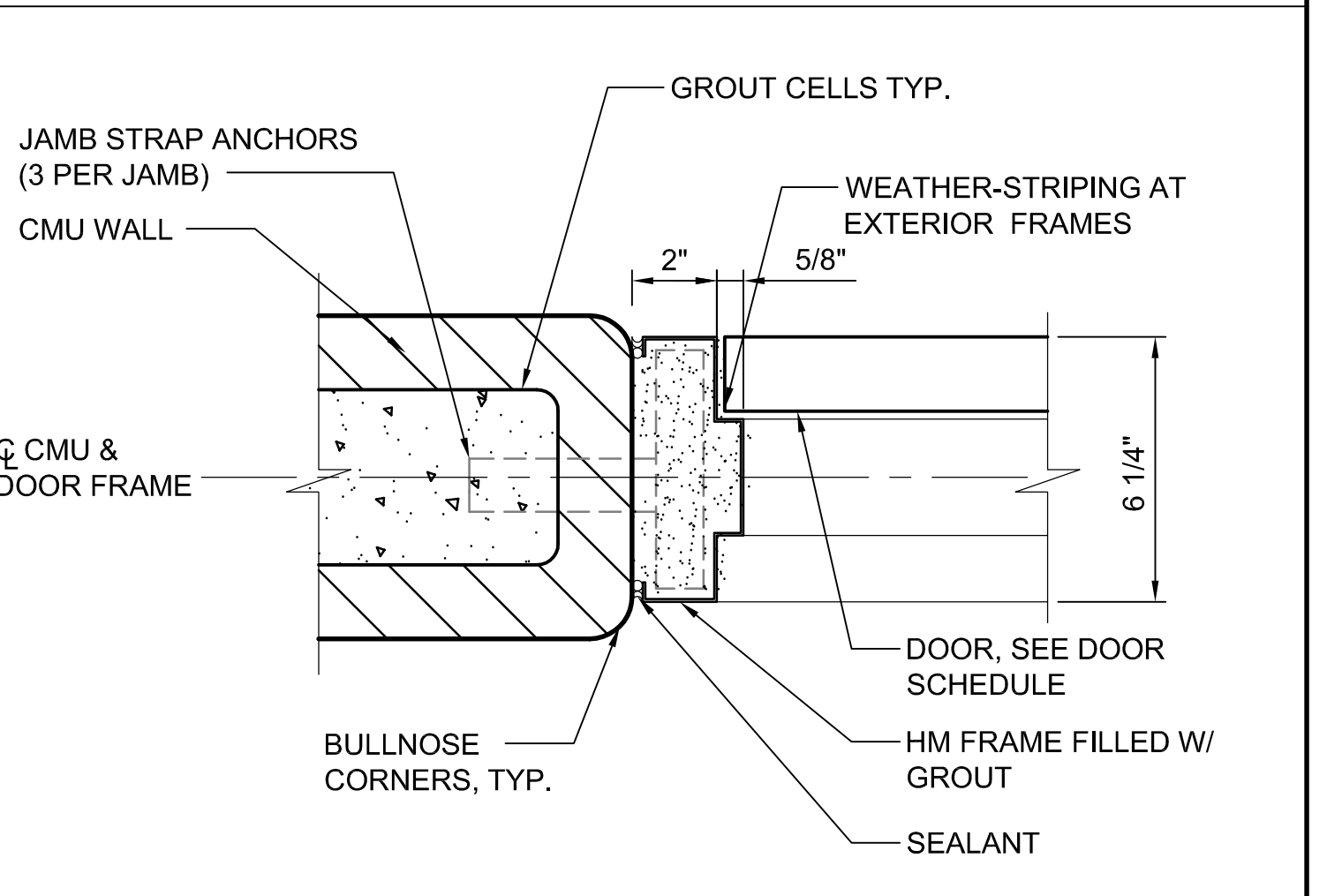
DOOR SCHEDULE															
NO.	FROM	TO	DOOR						FRAME			DETAIL			REMARKS
			TYPE	WIDTH	HGT	MATL	FIN	HW	TYPE	MATL	FIN	JAMB	HEAD	THOLD	
*D1	102 VESTIBULE	108 WOMEN	B	3'-0"	7'-0"	HM	PTD	1	1	HM	PTD	2	2	2	TIME PROGRAMMABLE LOCK
*D2	102 VESTIBULE	104 MEN	B	3'-0"	7'-0"	HM	PTD	1	1	HM	PTD	2	2	2	TIME PROGRAMMABLE LOCK
D3	103 JAN. CL.	104 MEN	A	2'-4"	7'-0"	HM	PTD	2	1	HM	PTD	1	1	-	UNDERCUT
*D4	105 ELEC. / COMM	EXTERIOR	A	3'-0"	7'-8"	HM	PTD	3	1	HM	PTD	2	2	1	CARD READER
*D5	106 STORAGE	EXTERIOR	A	3'-0"	7'-8"	HM	PTD	3	1	HM	PTD	2	2	1	CARD READER

1. *HM DOORS TO BE INSULATED
2. ALL DOORS & FRAMES TO BE GALVANIZED

7 DOOR SCHEDULE
SCALE: NONE

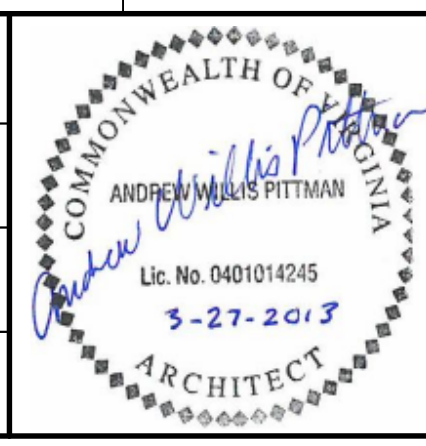


4 JAMB AT BRICK / CMU - TYPE 2
SCALE: 3" = 1'-0"



1 JAMB AT CMU - TYPE 1
SCALE: 3" = 1'-0"

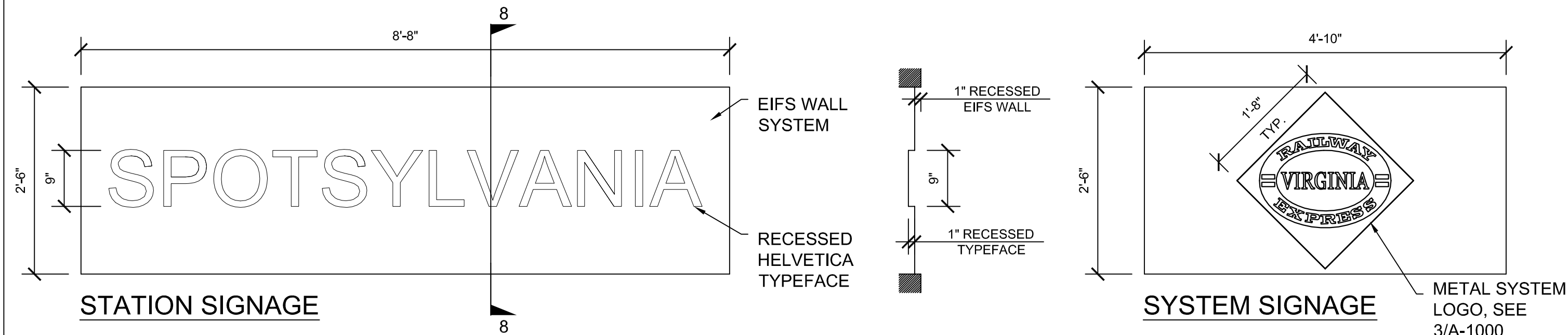
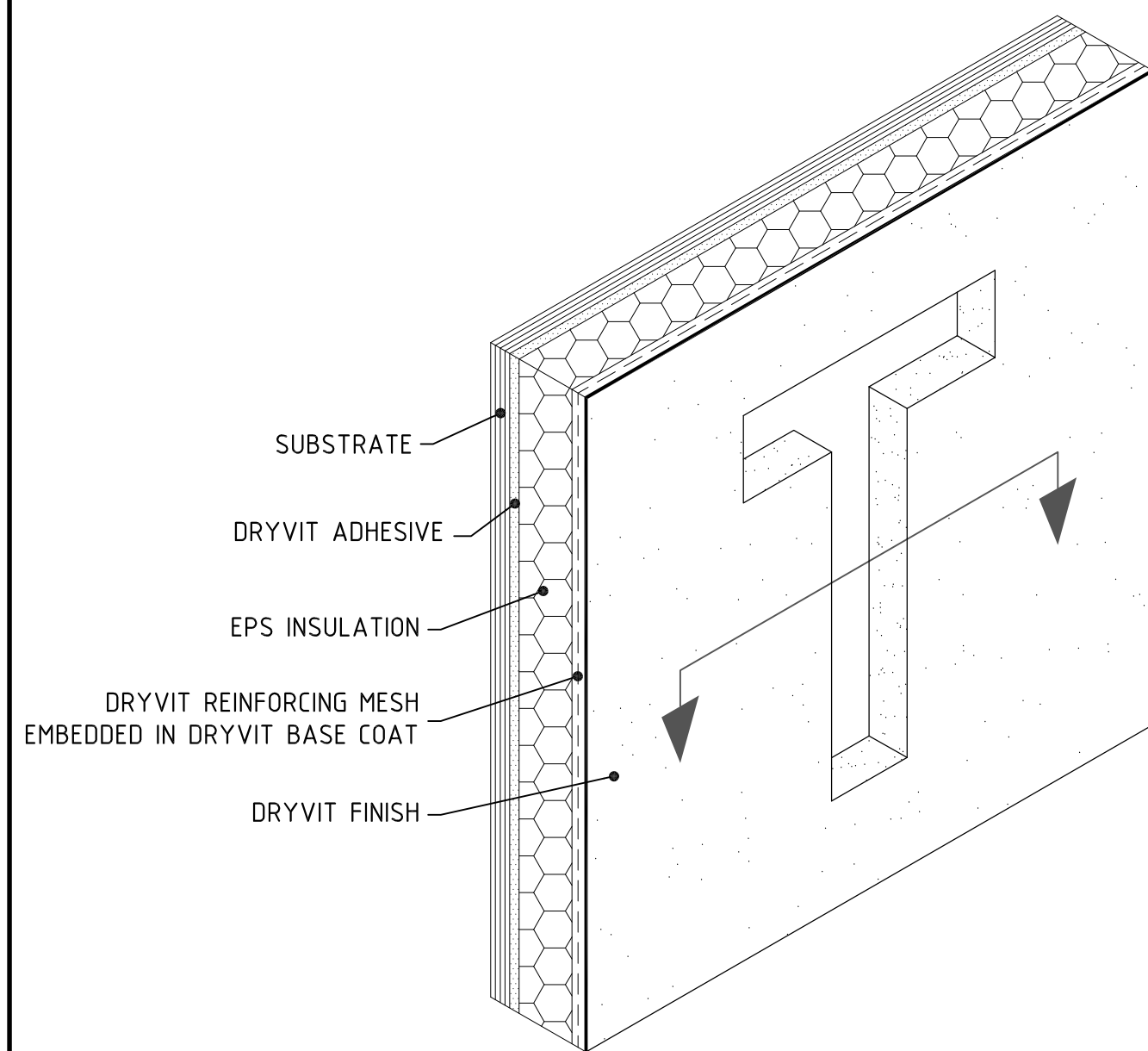
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	AWP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF / OO
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						AWP
						DATE:
						03/27/13



SPOTSYLVANIA STATION

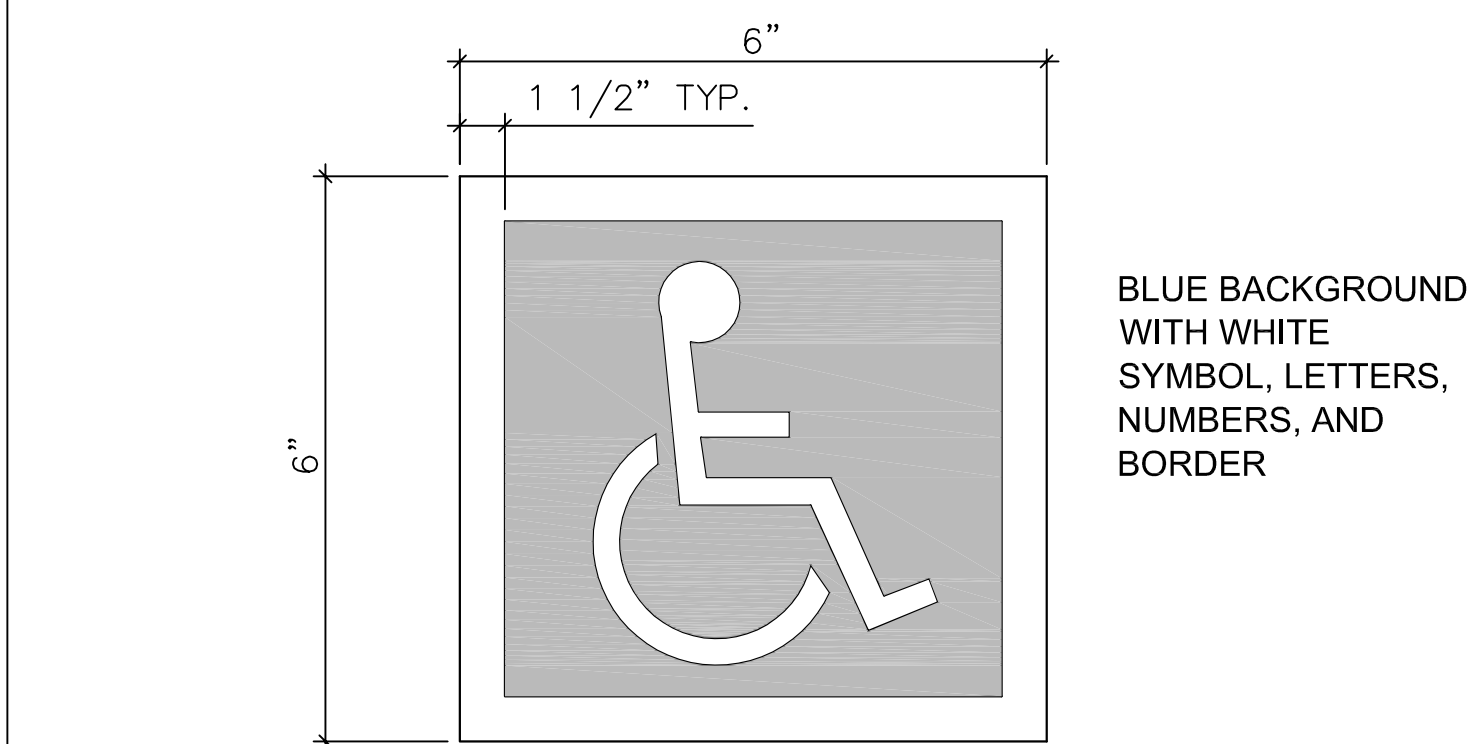
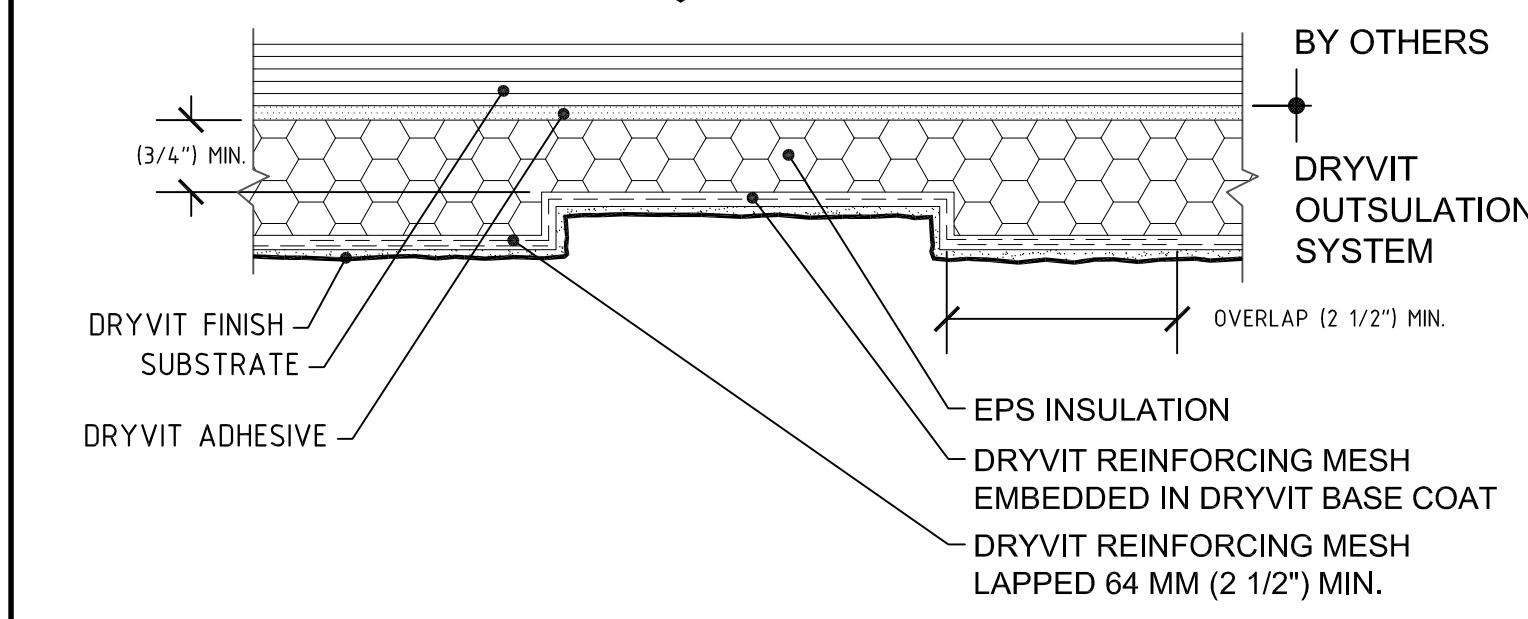
DOOR DETAILS & WALL TYPES

IFB NO: 013-013
DRAWING NO: A-900
SCALE: AS NOTED
SHEET NO: 43 OF 66

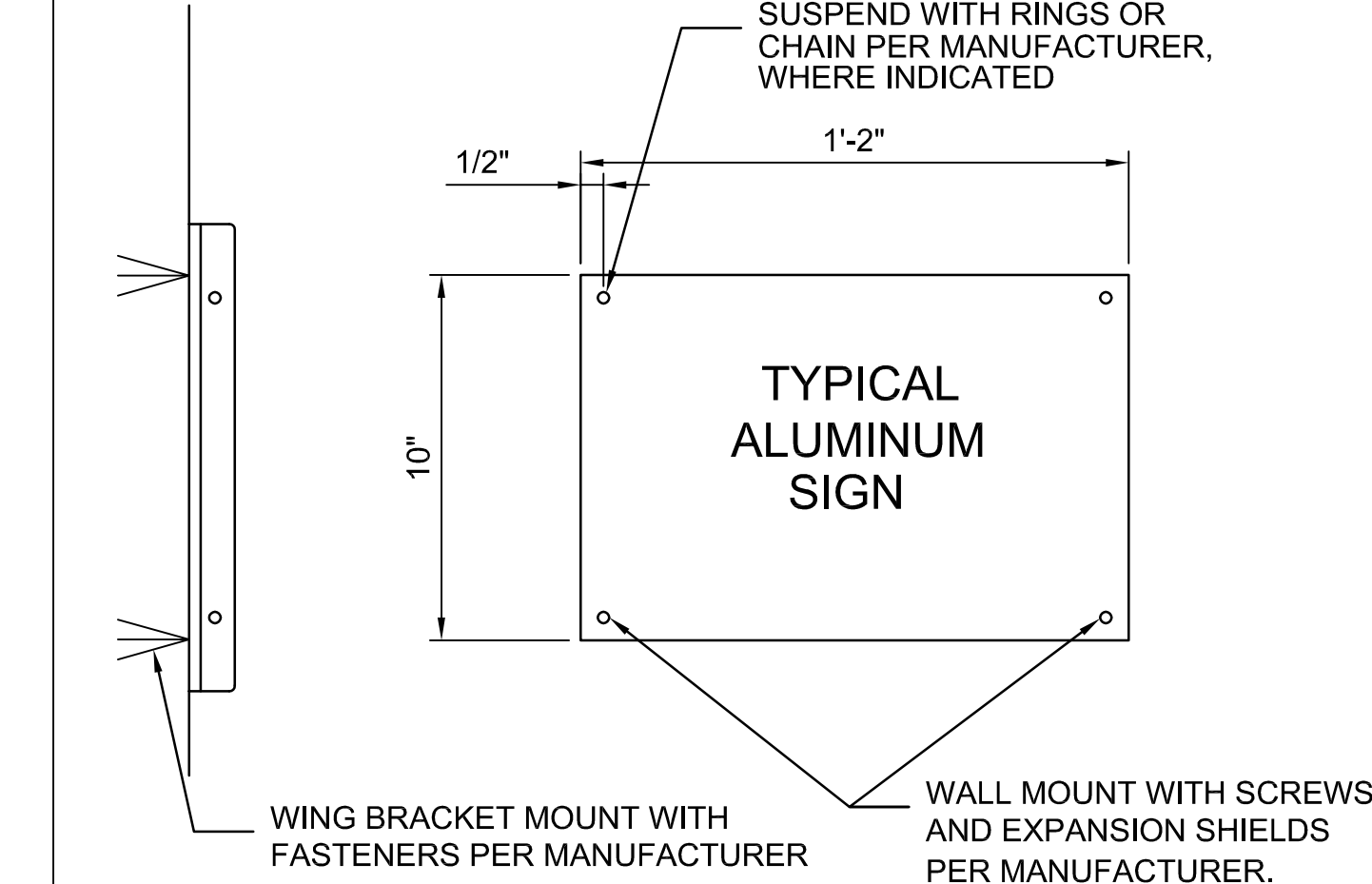


6 DRYVIT/SYNTHETIC STUCCO SIGNAGE
SCALE: N.T.S.

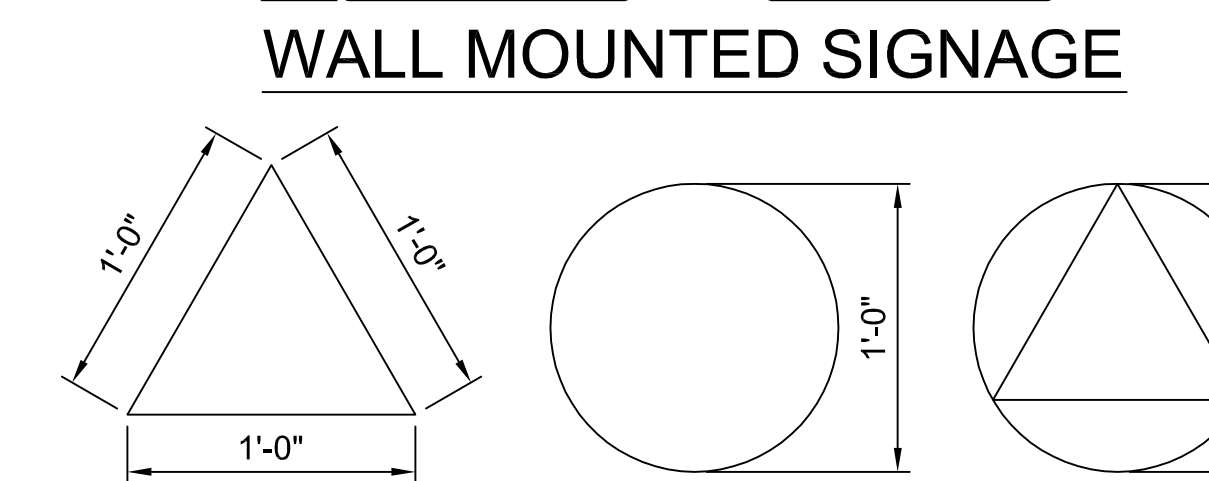
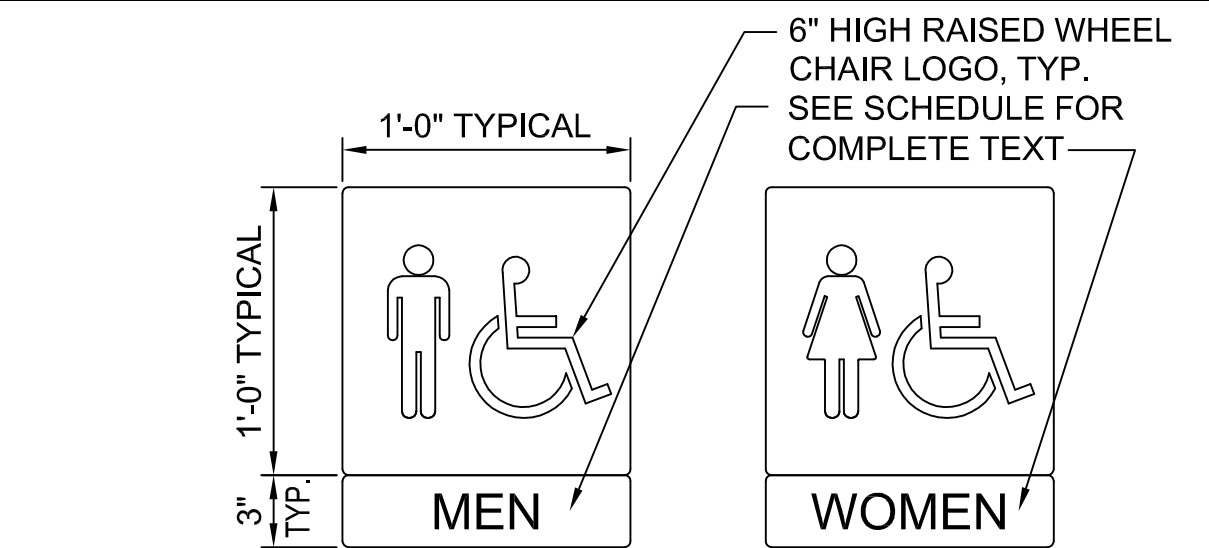
2 TOILET SIGN
SCALE: N.T.S.



5 INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA)
SCALE: N.T.S.

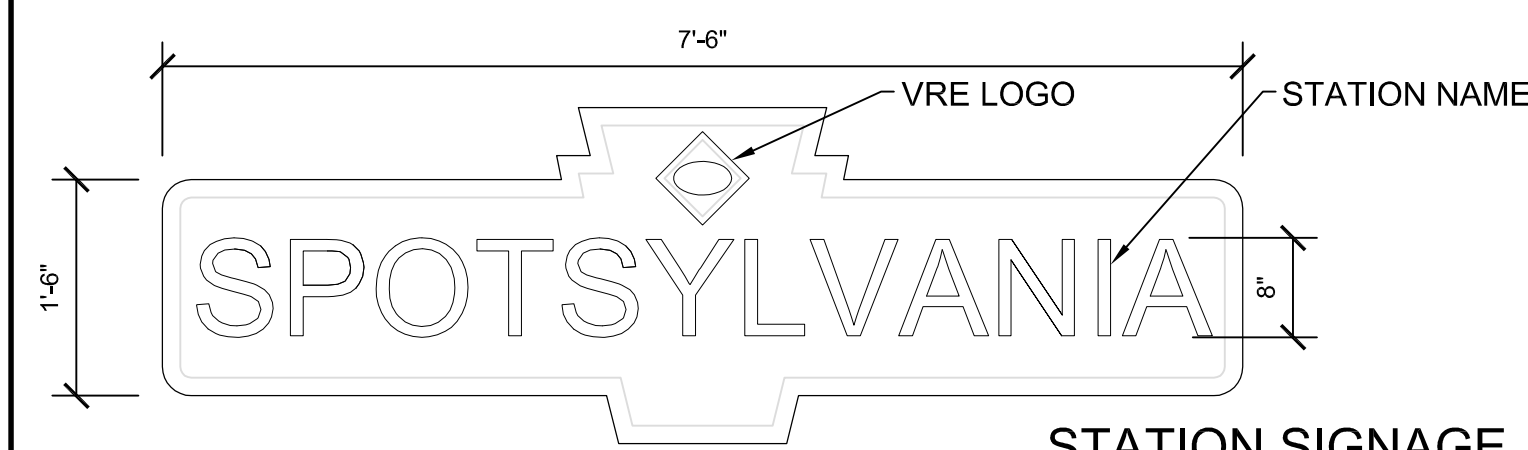


4 STANDARD ROOM SIGN
SCALE: N.T.S.

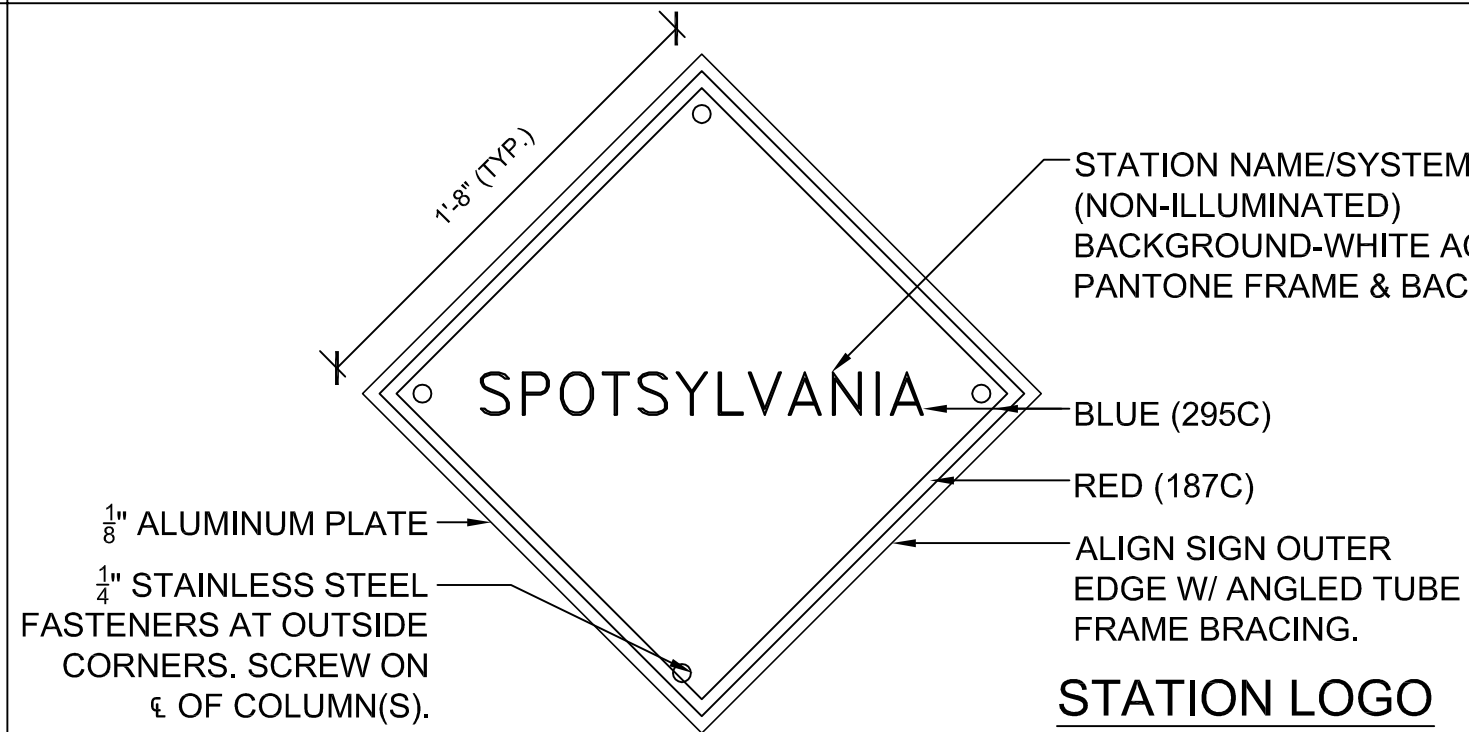


DOOR MOUNTED SIGNAGE
PUBLIC TOILET ROOM SIGNS:
ADA WHITE SYMBOLS ON ADA BLUE BACKGROUND.

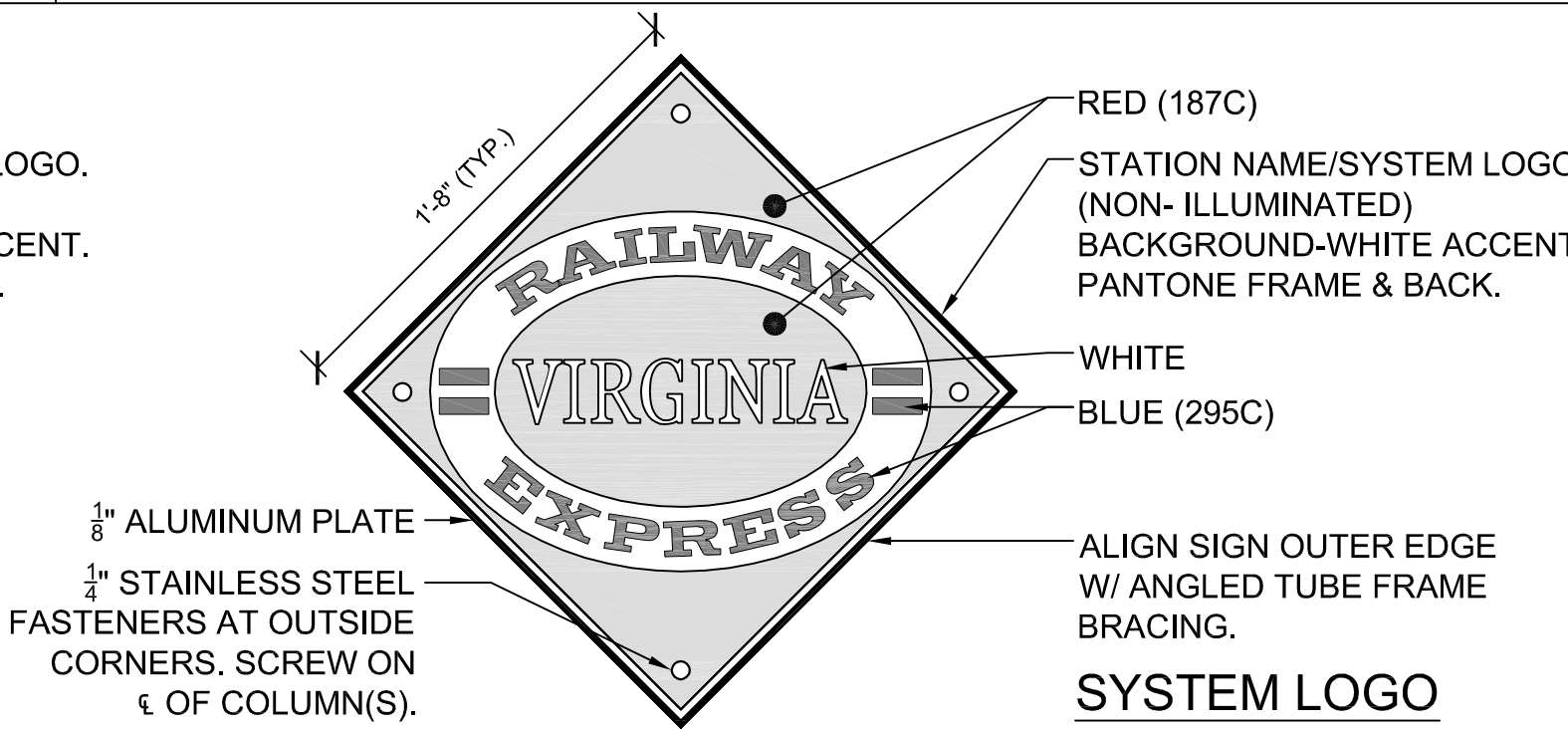
8 DRYVIT RECESSED GRAPHICS
SCALE: N.T.S.



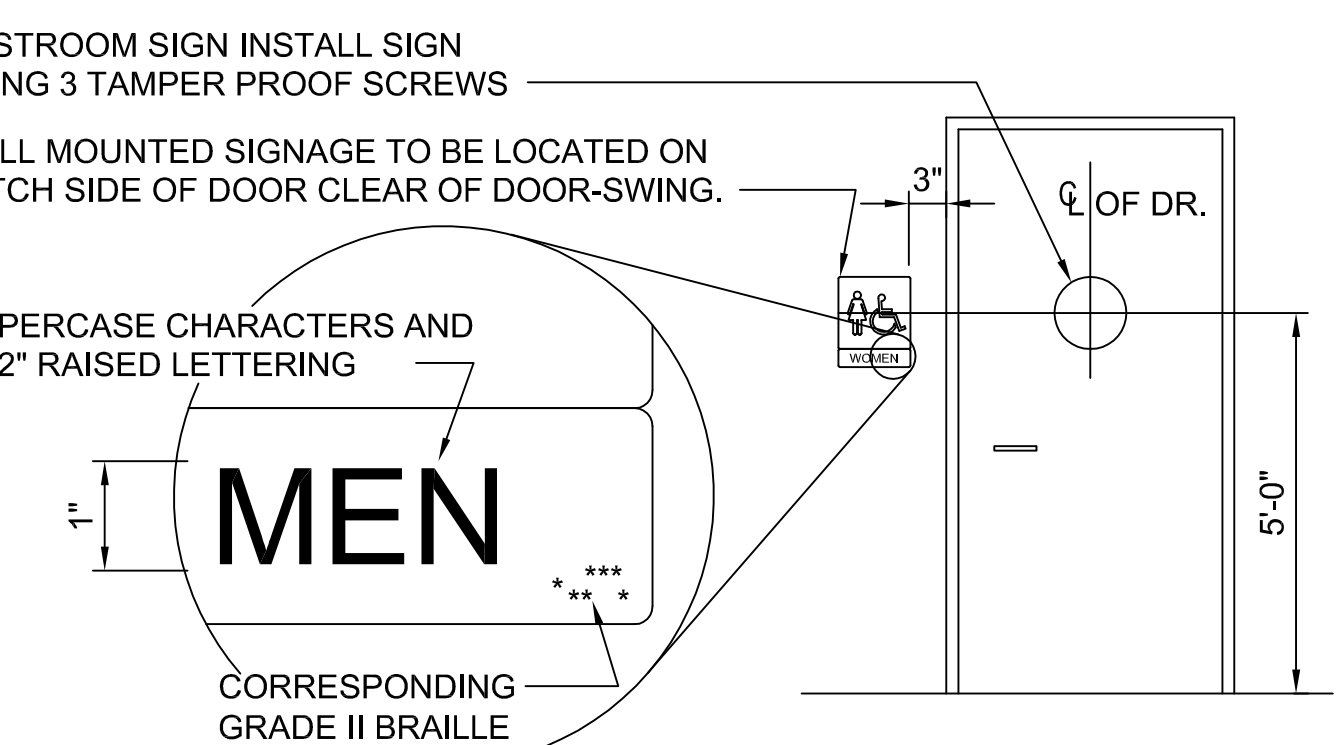
7 METAL SIGNAGE
SCALE: N.T.S.



3 STATION AND SYSTEM LOGO
N.T.S.



- NOTES:**
1. THE TWO SIGNS SHALL BE ALTERNATED ON EVERY OTHER FRAME.
 2. THE SYSTEM LOGO SIGNS SHALL BE ON EACH SIDE OF CANOPY FRAME.
 3. THE STATION NAME SIGNS SHALL BE ON EACH SIDE OF CANOPY FRAME.
 4. MATCH EXISTING STATION SIGNS.
 5. APPLY CLEAR VINYL LAMINATE TO ALUMINUM SIGNS.
 6. OWNER MAY REFER CONTRACTOR TO SAMPLE SIGN.



1 TYPICAL ACCESSIBLE RESTROOMS
SCALE: N.T.S.

APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION GRAPHICS DETAILS	IBB NO:	013-013
		10/11/12			30% SUBMITTAL	AWP					DRAWING NO:	A-1000
		11/21/12			60% SUBMITTAL	KEF / OO					SCALE:	AS NOTED
APPROVED BY COUNTY		01/11/13			90% SUBMITTAL	CHECKED BY:					SHEET NO:	44 OF 66
		03/27/13			ISSUE FOR BID	DATE:						

A. GENERAL

1. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYINGS AND BRACINGS REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORKS AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORT, ETC.. IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE METHOD, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DIMENSIONS INCIDENT TO THE WORK. ALL DIMENSIONS SHALL BE COORDINATED PRIOR TO PROCEEDING WITH LAYOUT, CONSTRUCTION OR FABRICATION. THE CONTRACTOR SHALL NOTIFY IMMEDIATELY THE ENGINEER OF ANY DIMENSIONAL DISCREPENCIES.
4. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE NOR ISSUE DIRECTIONS AS TO SAFETY PRECAUTIONS AND PROGRAMS.
6. THE CONTRACTOR SHALL COORDINATE ALL MECHANICAL OPENINGS WITH MECHANICAL ENGINEERS. FINAL SIZES AND LOCATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL.
7. THE CONTRACTOR SHALL REFER TO THE SOIL REPORT IN THE PROJECT SPECIFICATIONS FOR ALL REQUIREMENTS RELATIVE TO SITE PREPARATION, EARTHWORK, ETC..

B. CODES

1. INTERNATIONAL BUILDING CODE (I.B.C.) 2009.
2. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES ASCE 7-05.
3. AMERICAN INSTITUTE OF STEEL CONSTRUCTION AISC 9th EDITION.
4. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI318-05.

C. DESIGN LOADS

1. LIVE LOADS:
 - a. FLOOR 100 PSF
 - b. PARTITIONS 20 PSF (ACTUAL WT. FOR CMU)
2. SNOW LOADS:
 - a. GROUND SNOW LOAD Pg = 25 PSF
3. WIND LOADS:
 - a. BASIC WIND SPEED (3-SECOND GUST)..... 90 MPH
 - b. EXPOSURE C
4. SEISMIC LOADS:
 - a. SEISMIC SITE CLASS C
 - b. SEISMIC DESIGN CATEGORY A
 - c. SHORT TERM SRA 0.16
 - d. 1.0 SEC SRA 0.053

D. CAST IN PLACE CONCRETE

1. UNLESS NOTED OTHERWISE, ALL CAST IN PLACE CONCRETE SHALL BE AIR ENTRAINED WITH A MAXIMUM SLUMP OF 4 INCHES. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE ACI 318 AND ACI 301. CONCRETE SHALL ATTAIN MINIMUM 28 DAY STRENGTH OF 4000 PSI.
2. ALL REINFORCING STEEL FOR CONCRETE SHALL CONFORM TO ASTM SPECIFICATIONS A 615, GRADE 60 FOR BARS AND A 185 FOR WELDED WIRE FABRIC. REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH CURRENT ACI "MANUAL OF STANDARD PRACTICES FOR DETAILING REINFORCED CONCRETE STRUCTURES". BAR LAPS SHALL BE CLASS "B" TENSION LAPS. PROVIDE CONCRETE COVER OVER REINFORCING BARS IN ACCORDANCE WITH ACI 318. HOOKS SHOWN SHALL BE STANDARD HOOKS UNLESS OTHERWISE DIMENSIONED.
3. CONCRETE SURFACE SEALER SHALL BE SIKATOP 144 AS MANUFACTURED BY THE SIKA CORPORATION OR APPROVED EQUAL.
4. UNLESS SHOWN OTHERWISE, THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3 IN.
 - b. CONCRETE EXPOSED TO EARTH OR WEATHER
 1. NO. 6 THROUGH NO. 18 2 IN.
 2. NO. 5 AND SMALLER 1½ IN.
 - c. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
 1. SLABS, WALLS: ¾ IN.
 2. BEAMS, COLUMNS 1½ IN.

E. MASONRY

1. MATERIALS:
 - a. HOLLOW CMU ASTM C90, GRADE N, TYPE I.
 - b. SOLID CMU ASTM C145, GRADE N.
 - c. MINIMUM NET COMPRESSIVE STRENGTH f'm = 2000 PSI.
 - d. MORTAR ASTM C270, TYPE S.
 - e. GROUT ASTM C476
 - f. JOINT REINFORCING ASTM A82
 - g. REINFORCING BARS ASTM A615, GRADE 60.
2. UNLESS NOTED OTHERWISE, REINFORCE MASONRY WALLS WITH LADDER TYPE JOINT REINFORCEMENT AT 16 INCHES O.C. VERTICAL. PROVIDE PREFABRICATED TEES AND CORNERS AT WALL INTERSECTIONS.
3. UNLESS NOTED OTHERWISE, PROVIDE #5 VERTICAL BARS AT 4 FEET O.C. (MAXIMUM) HORIZONTALLY AT MIDDLE OF ALL MASONRY WALLS. LOCATE BAR AT CORNERS, INTERSECTIONS AND EACH SIDE OF WALL OPENINGS. PROVIDE CONTINUOUS BOND BEAMS REINFORCED WITH 2 #5 AT TOP OF ALL WALLS.
4. ALL VERTICAL REINFORCING IN MASONRY WALLS SHALL BE EXTENDED TO THE TOP OF THE WALLS.
5. ALL SPLICES IN REINFORCING SHALL BE LAPPED 48 BAR DIAMETER.

F. STRUCTURAL STEEL

1. STRUCTURAL STEEL W-SHAPES SHALL CONFORM TO ASTM A992 GR 50.
2. STRUCTURAL STEEL ANGLES AND PLATES SHALL CONFORM TO ASTM A36 U.N.O.
3. STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500 GRADE B.
4. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE CURRENT EDITION OF AISC "SPECIFICATIONS FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS". ALL EXPOSED TO WEATHER EXTERIOR STEEL SHALL BE PAINTED. CONNECTION BOLTS SHALL BE PAINTED TO MATCH STRUCTURAL STEEL.
5. ALL WELDING SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE D1.1" USING E70XX ELECTRODES.
6. UNLESS OTHERWISE NOTED OR APPROVED, ANCHOR BOLT MATERIAL SHALL CONFORM TO THE FOLLOWING:
 - a. THREADED RODS: ASTM F1554, GR 55
 - b. NUTS: ASTM A563, GR A HEAVY HEX
 - c. THREADS: UNC PER ANSI B1.1 CLASS 2A FIT
 - d. WASHERS: ASTM F436 TYPE 1
 - e. NUTS, BOLTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153, UNO.
7. ALL CONNECTIONS SHALL BE IN STRICT ACCORDANCE WITH THE AISC SPECIFICATIONS AND AWS CODES. UNLESS OTHERWISE SHOWN, ALL BOLTED FRAMING CONNECTIONS SHALL BE 3/4" DIAMETER ASTM A 325-N BOLTS DESIGNED AND DETAILED AS BEARING TYPE WITH THREADS IN THE SHEAR PLANE, IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. CONNECTIONS NOT SHOWN SHALL BE AS SHOWN IN TABLE II OF THE AISC ALLOWABLE STRESS DESIGN OF SIMPLE SHEAR CONNECTIONS" USING THE MAXIMUM NUMBER OF ROWS OF BOLTS FOR EACH BEAM SIZE. ALL WELDED FRAMING CONNECTIONS SHALL HAVE A CAPACITY NO LESS THAN THAT OF AN EQUIVALENT BOLTED CONNECTION AS STATED ABOVE.

G. LINTELS

1. PROVIDE LINTELS OR SLEEVES AT ALL PENETRATIONS IN NON-BEARING AND BEARING MASONRY WALLS AT DOORS, WINDOWS, MECHANICAL SERVICES, ELECTRICAL SERVICES, EQUIPMENT, ETC. NOT SPECIFICALLY SHOWN ON THE DRAWINGS, IN ACCORDANCE WITH THE LINTEL SCHEDULE.
2. ALL LINTELS SHALL HAVE 8" MINIMUM BEARING EACH END, UNLESS NOTED OTHERWISE, AND SHALL BE SET ON A FULL BED OF MORTAR.

LINTEL SCHEDULE
(NON-BEARING WALLS)
PROVIDE ONE ANGLE FOR EACH 4" OF MASONRY THICKNESS AS FOLLOWS:
 OPENINGS TO 3'-0": L 3½ x 3½ x ¼
 OPENINGS 3'-0" TO 5'-0": L 4 x 3½ x ¼ LLV
 OPENINGS 5'-2" TO 8'-0": L 6 x 3½ x ¼ LLV
 PROVIDE MINIMUM 8" BEARING EACH END OF ANGLE LINTEL.

WHERE REQUIRED FOR ARCHITECTURAL REASONS, OR AS NOTED, PROVIDE PRECAST CONCRETE LINTELS FOR INTERIOR WALLS OF SAME TEXTURE AS ADJACENT MASONRY AS FOLLOWS:
 OPENINGS TO 7'-0": 4" WALLS - 4"x8" W/ 1-#4 T&B
 OPENINGS TO 7'-0": 6" WALLS - 6"x8" W/ 1-#5 T&B
 OPENINGS TO 7'-0": 8" WALLS - 8"x8" W/ 2-#4 T&B
 OPENINGS TO 7'-0": 12" WALLS - 12"x8" W/ 3-#4 T&B
 PROVIDE 8" MINIMUM BEARING EACH END OF PRECAST CONCRETE LINTEL.

H. METAL DECK




1. ALL DECKING SHALL BE CONTINUOUS OVER 2 OR MORE SUPPORTS.
2. ROOF SHALL BE 18" WIDE BY 3" DEEP METAL SHEET PANEL (REFER TO PROJECT SPECIFICATION).
3. UNLESS NOTED OTHERWISE, ROOF SUBDECKING SHALL BE VULCRAFT 1½" DEEP, TYPE B (WIDE RIB), 20 GA GALVANIZED CONFORMING TO ASTM A653.

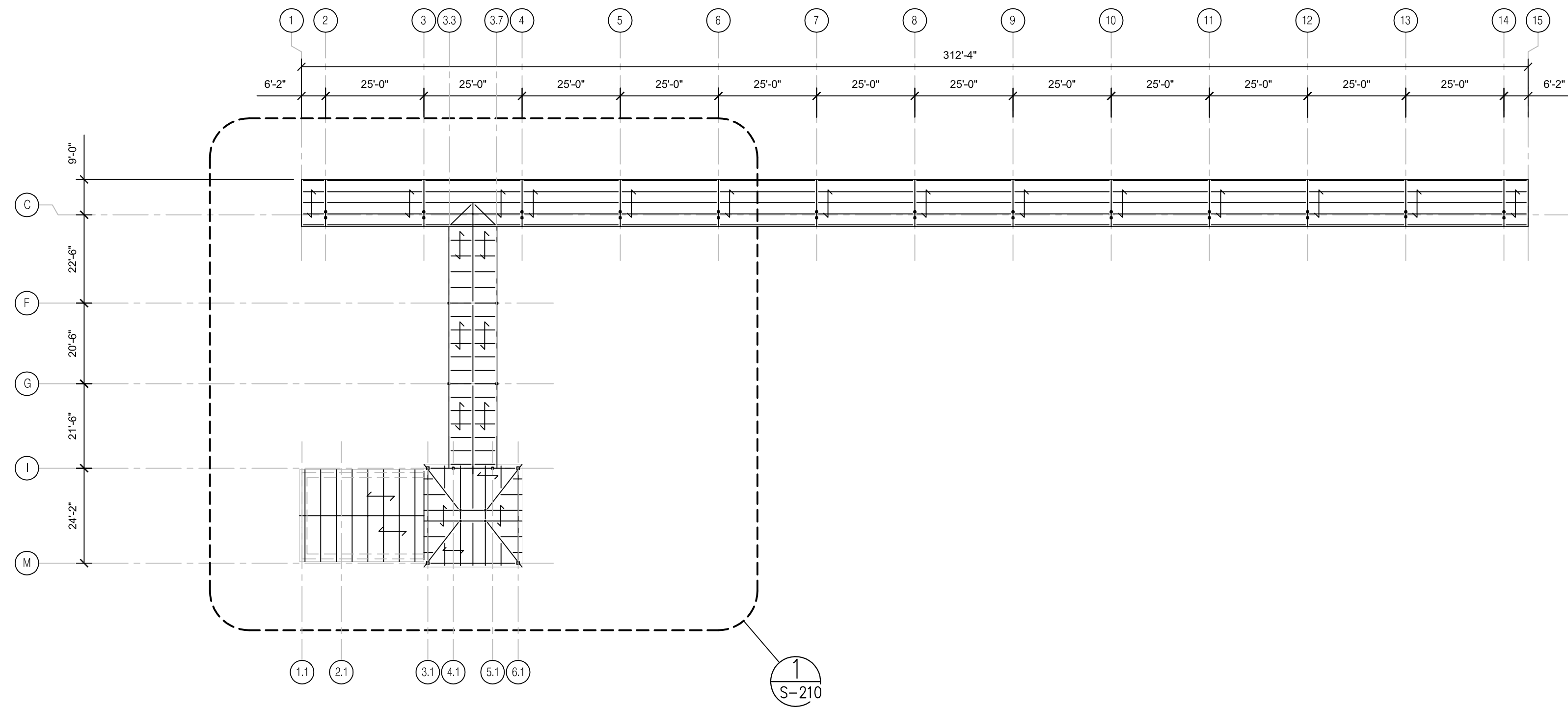
I. LIGHT-GAGE ROOF SYSTEM

1. THE LIGHT GAGE ROOF SYSTEM DRAWINGS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF AND STAMPED BY AN ENGINEER REGISTERED AS A PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF VIRGINIA.
 2. a. THE LIGHT GAGE ROOF SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH APPLICABLE CODES.
 - b. THE LIGHT GAGE ROOF SYSTEM DESIGN ENGINEER SHALL INCLUDE IN HIS DESIGN ALL LOADS IMPOSED ON THE ROOF. THE LIGHT GAGE ROOF SYSTEM SHOP DRAWING SHALL INCLUDE A DETAILED LOAD SUMMARY INCLUDING ADEQUATE VENDOR INFORMATION TO SUBSTANTIATE THE DESIGN LOAD ASSUMPTIONS.
3. THE SHOP DRAWING SHALL INCLUDE THE LIGHT GAGE ROOF SYSTEM REACTION FOR THE FOLLOWINGS/COMBINATIONS:
 - a. LIVE.
 - b. DEAD.
 - c. WIND (FROM EACH DIRECTION, UNFACTORED).
4. LIGHT GAGE ROOF SYSTEM SUPPORTS SHALL BE PLACED ON THE CMU WALLS SHOWN. THE CONTRACTOR SHALL COORDINATE ALL FINAL DETAILS AND DIMENSIONS TO INSURE THAT THE LIGHT GAGE ROOF SYSTEM IS COMPATIBLE WITH THE BUILDING.
5. THE LIGHT GAGE ROOF SYSTEM MANUFACTURER SHALL DESIGN AND PROVIDE ALL ITEMS NECESSARY TO ADEQUATELY ANCHOR THE LIGHT GAGE ROOF SYSTEM TO THE BUILDING INCLUDING ANCHOR BOLTS.

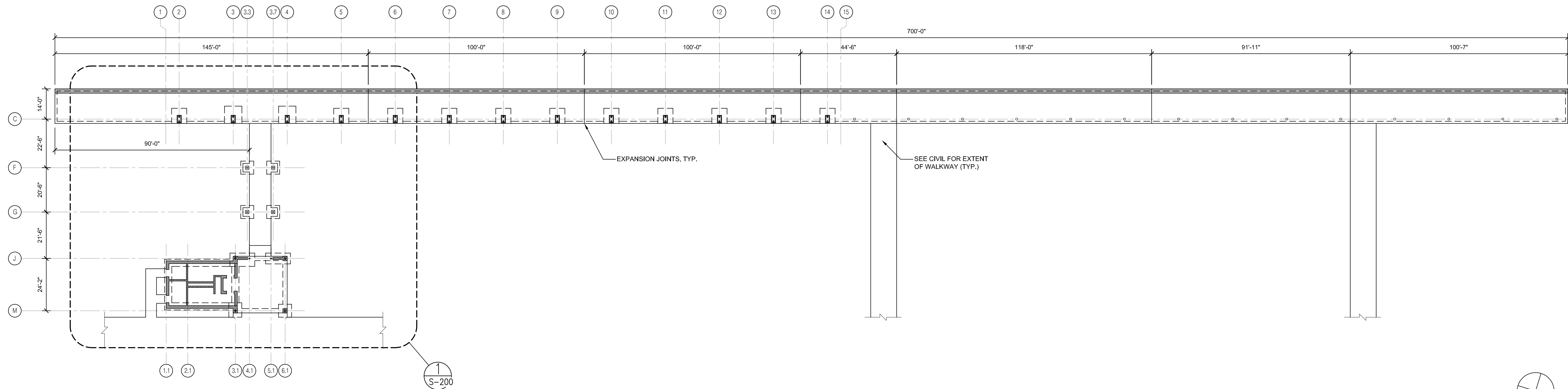
J. FOUNDATIONS

1. ALL SUBGRADE, FOOTING EXCAVATIONS SHALL BE PREPARED ACCORDING TO RECOMMENDATIONS STATED IN THE GEOTECHNICAL REPORT BY GEOCONCEPTS ENGINEERING, INC. DATED NOV 27, 2012.
2. PROVIDE A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 2500 PSF BELOW ALL THE FOOTINGS AND TO A DISTANCE OUTSIDE THEIR PERIMETER SO AS TO INSURE PROPER FOUNDATION PERFORMANCE AS VERIFIED BY THE GEOTECHNICAL ENGINEER.
3. ALL SUBGRADE, FOOTING EXCAVATIONS, COMPACTED FILL AND BACKFILL SHALL BE INSPECTED AND TESTED BY A GEOTECHNICAL ENGINEER REGISTERED AS A PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF VIRGINIA TO VERIFY CONFORMANCE WITH THE RECOMMENDATIONS HEREIN.
4. ALL BACKFILL AGAINST WALLS SHALL BE ONLY PLACED AFTER THE CONCRETE SLAB WERE IN PLACE AND ACHIEVED THE DESIGN STRENGTH OF 4000 PSI.



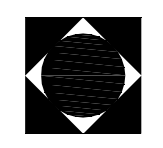
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: FP	   <p>STV Incorporated 2722 Merrilee Drive, Suite 350 Fairfax, Virginia 22031</p>	IFB NO: 013-013
		10/11/12			30% SUBMITTAL	DRAWN BY: KEF		DRAWING NO: S-100
		11/21/12			60% SUBMITTAL	CHECKED BY: FP		SCALE: NONE
		01/11/13			90% SUBMITTAL	DATE: 03/27/13		SHEET NO: 45 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID			GENERAL STRUCTURAL NOTES



2 FRAMING KEY PLAN
S-101 NOT TO SCALE

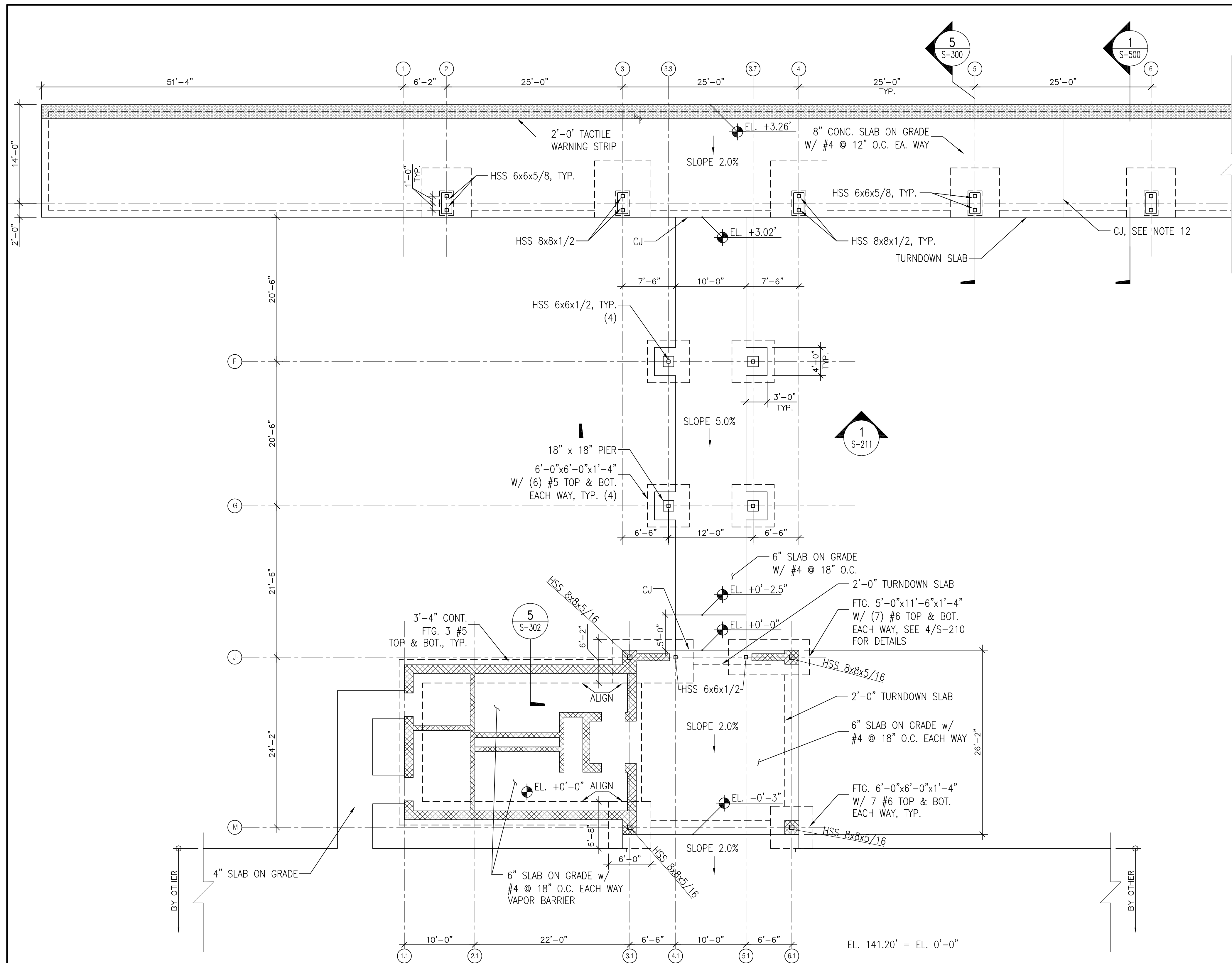


1 FOUNDATION KEY PLAN
S-101 NOT TO SCALE

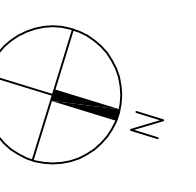
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 STV Incorporated 2722 Merrilee Drive, Suite 350 Fairfax, Virginia 22031	SPOTSYLVANIA STATION		IFB NO:		
		10/11/12			30% SUBMITTAL	FP								013-013
		11/21/12			60% SUBMITTAL	DRAWN BY:								DRAWING NO:
		01/11/13			90% SUBMITTAL	KEF								S-101
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:								SCALE:
						FP					SHEET NO:	46 OF 66		
						DATE:								
						03/27/13								

SPOTSYLVANIA STATION

FOUNDATION & FRAMING
KEY PLAN



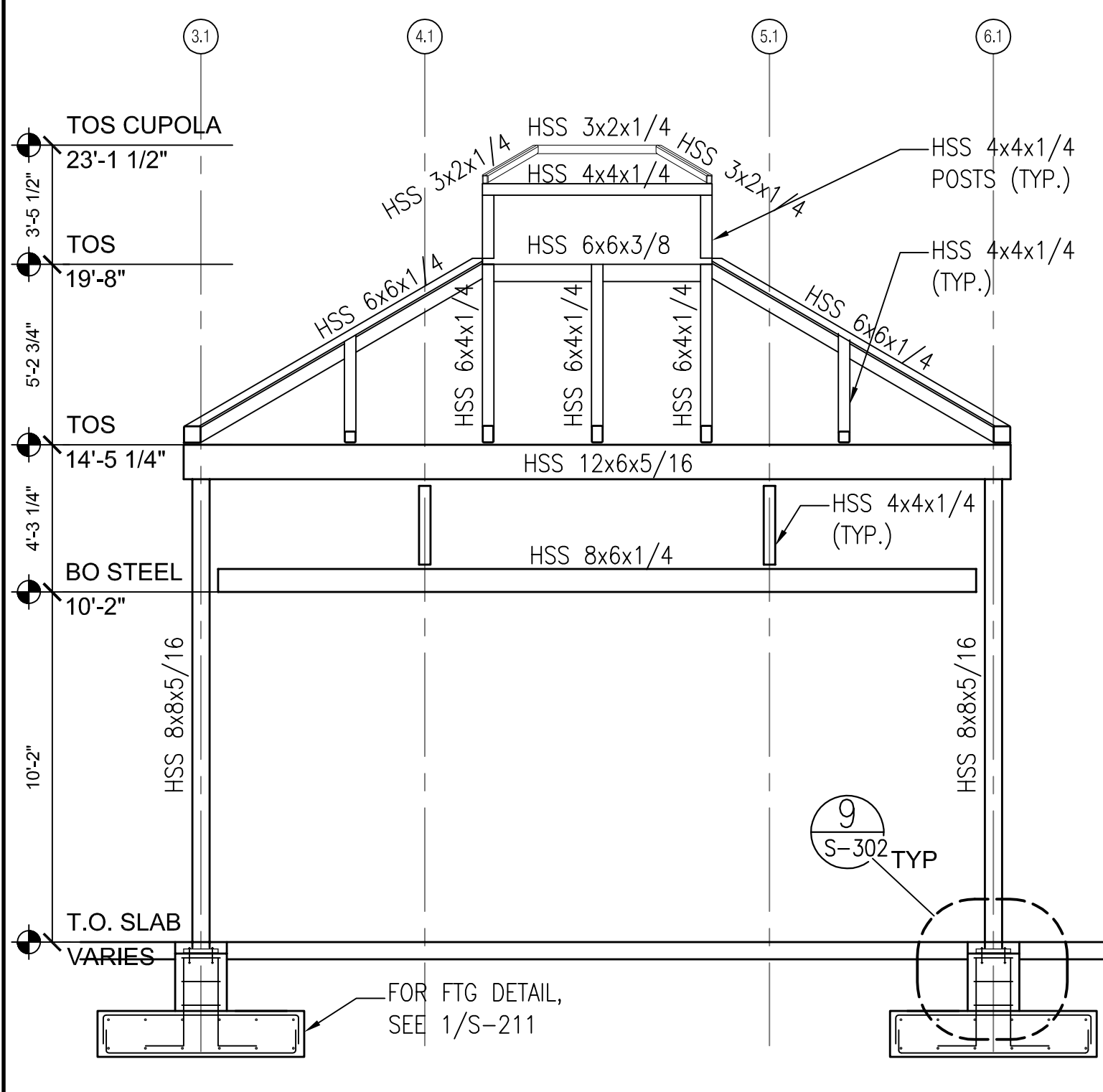
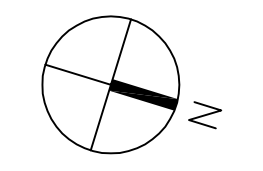
1 FLOOR & FOUNDATION PLAN
 S-200 1/8"=1'-0" 0 4' 8' 16'



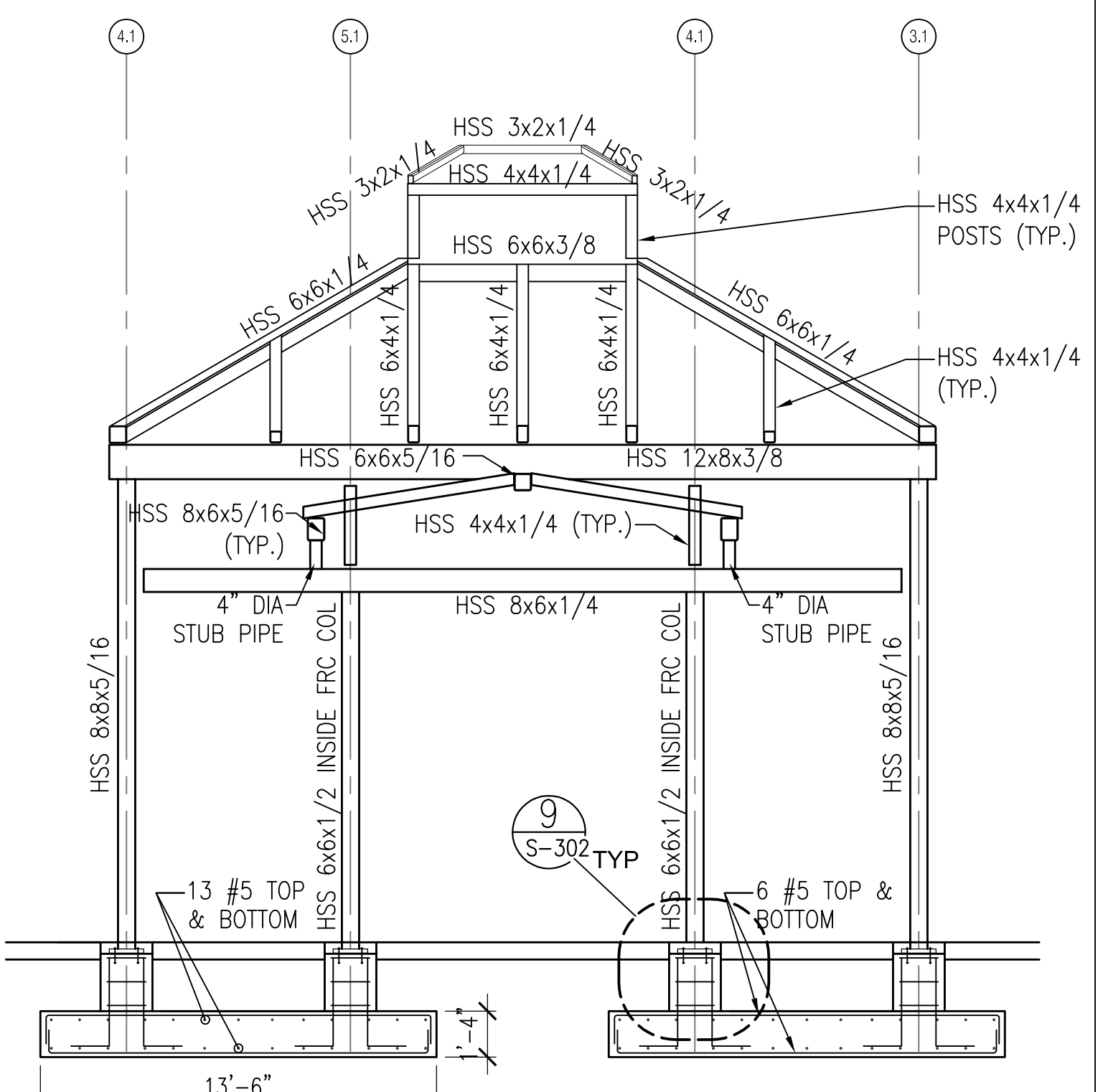
FOUNDATION NOTES:

1. FOR GENERAL NOTES SEE SHEET S-100
2. BOTTOM OF FOOTINGS SHALL BE 2'-0" MIN. BELOW FINISH GRADE U.N.O.
3. $\text{xxx}'\text{-x}''$ INDICATES TOP OF FOOTING ELEVATION
4. INDICATES AREA OF SLAB DEPRESSION. PER DETAIL 2/S-302.
5. \bullet EL. 0.00' INDICATES TOP OF SLAB ELEVATION. 141.20' = 0'-0"
6. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ELEVATIONS, PENETRATIONS, FLOOR SLOPES, DEPRESSIONS, DRAINS, WALL TYPES, AND OTHER INFORMATION NOT SHOWN.
7. NO CONCRETE SHALL BE POURED IN ANY FOUNDATION UNTIL EXCAVATION HAS BEEN INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
9. THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL FOOTING PENETRATIONS WHICH MAY BE REQUIRED BY OTHER DISCIPLINES PRIOR TO EXCAVATING FOUNDATIONS, ALL SLEEVES THROUGH FOUNDATION WALLS AND UNDER FOOTING TO BE INSTALLED PRIOR TO FOUNDATION POUR.
10. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED FULL DESIGN STRENGTH.
11. FOUNDATIONS SHALL BE POURED ON NATURAL SOIL OR COMPACTED FILL.
12. EXPANSION JOINTS TO BE LOCATED ON THE PLATFORM SLAB SPACED APPROXIMATELY 100 FEET APART AND MIDSPAN BETWEEN COLUMNS. SEE ARCH DRAWINGS FOR LOCATION OF CJ AND EJ.

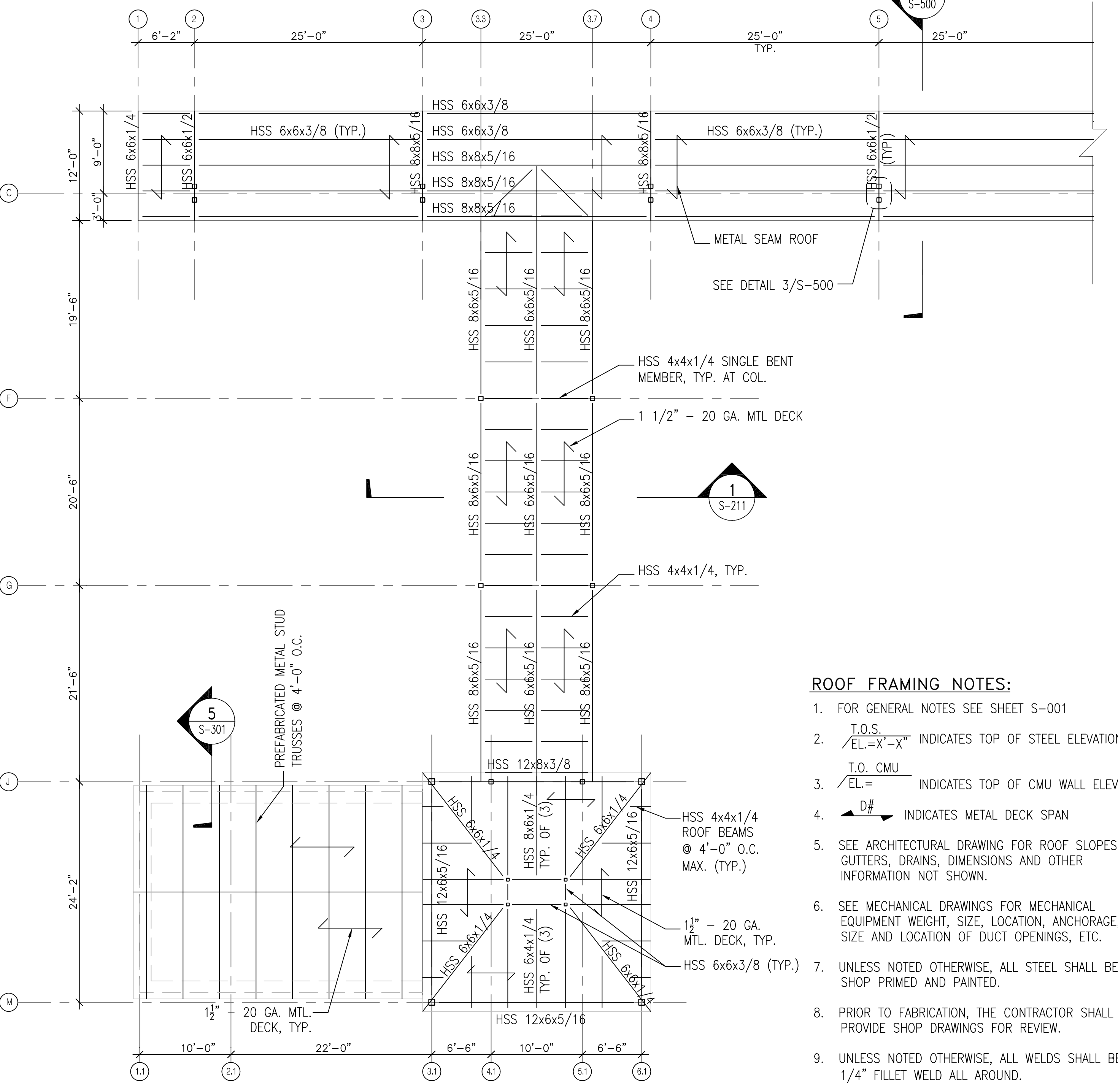
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION FLOOR & FOUNDATION PLAN	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	FP					DRAWING NO:	S-200
		11/21/12			60% SUBMITTAL	KEF					SCALE:	1/8" = 1'-0"
		01/11/13			90% SUBMITTAL	FP					SHEET NO:	47 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:	DATE:					
						FP	03/27/13					



5 PARTIAL WEST ELEVATION
SCALE: 1/4" = 1'-0"

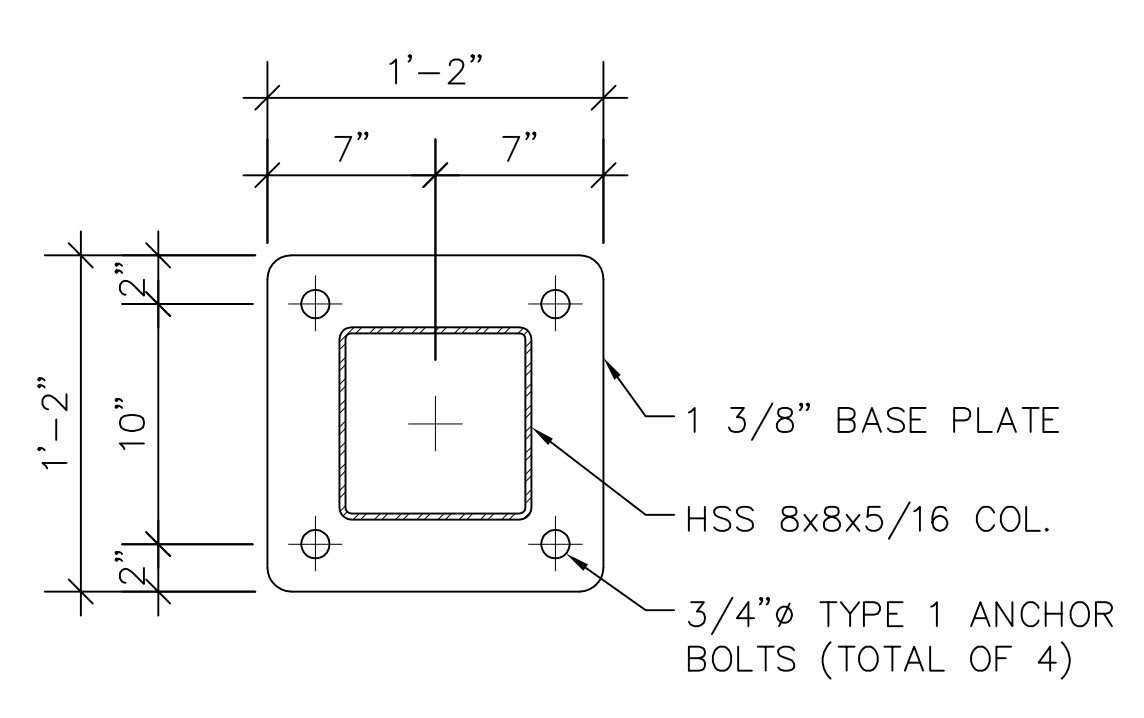


4 PARTIAL EAST ELEVATION
SCALE: 1/4" = 1'-0"

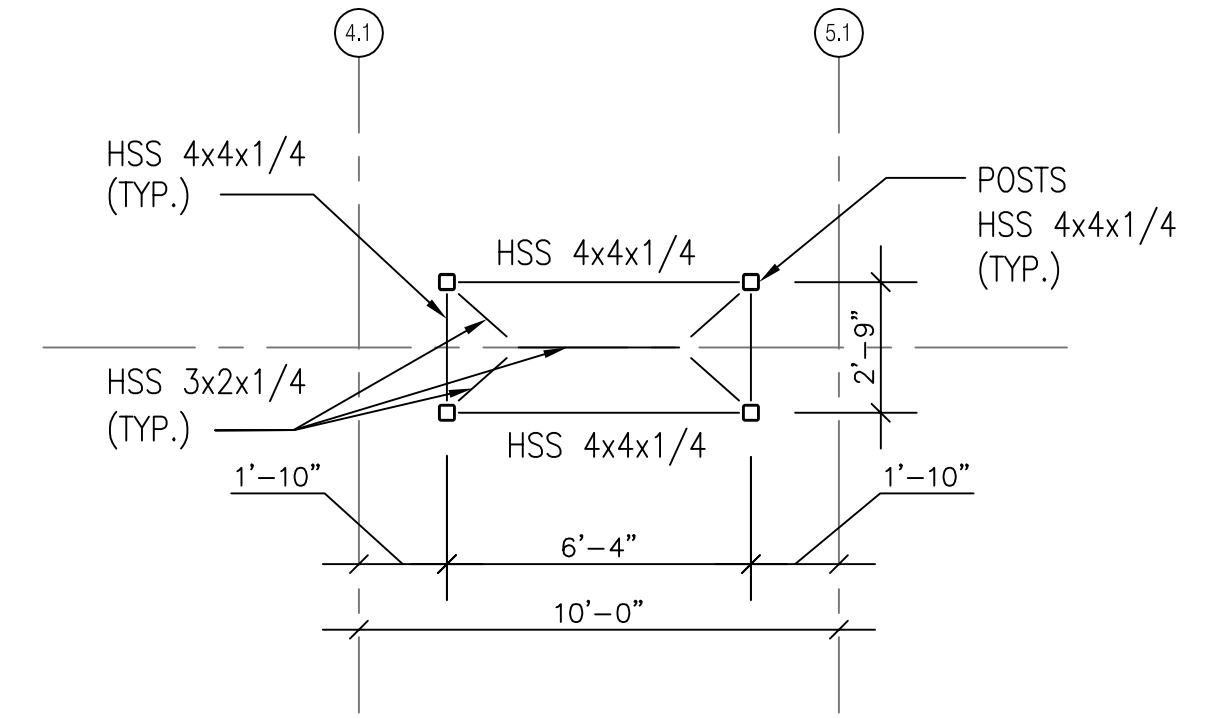


1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

- ROOF FRAMING NOTES:**
- FOR GENERAL NOTES SEE SHEET S-001
 - T.O.S.
EL=X'-X" INDICATES TOP OF STEEL ELEVATION
 - T.O. CMU
EL=X' INDICATES TOP OF CMU WALL ELEVATION
 - D# INDICATES METAL DECK SPAN
 - SEE ARCHITECTURAL DRAWING FOR ROOF SLOPES, GUTTERS, DRAINS, DIMENSIONS AND OTHER INFORMATION NOT SHOWN.
 - SEE MECHANICAL DRAWINGS FOR MECHANICAL EQUIPMENT WEIGHT, SIZE, LOCATION, ANCHORAGE, SIZE AND LOCATION OF DUCT OPENINGS, ETC.
 - UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE SHOP PRIMED AND PAINTED.
 - PRIOR TO FABRICATION, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW.
 - UNLESS NOTED OTHERWISE, ALL WELDS SHALL BE 1/4" FILLET WELD ALL AROUND.

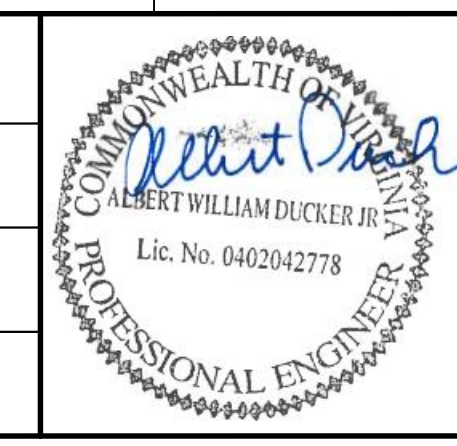


3 HEADHOUSE COL. BASE PLATE DETAIL
SCALE: 1 1/2" = 1'-0"



2 CUPOLA FRAMING PLAN
SCALE: 1/4" = 1'-0"

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	FP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						FP
						DATE:
						03/27/13

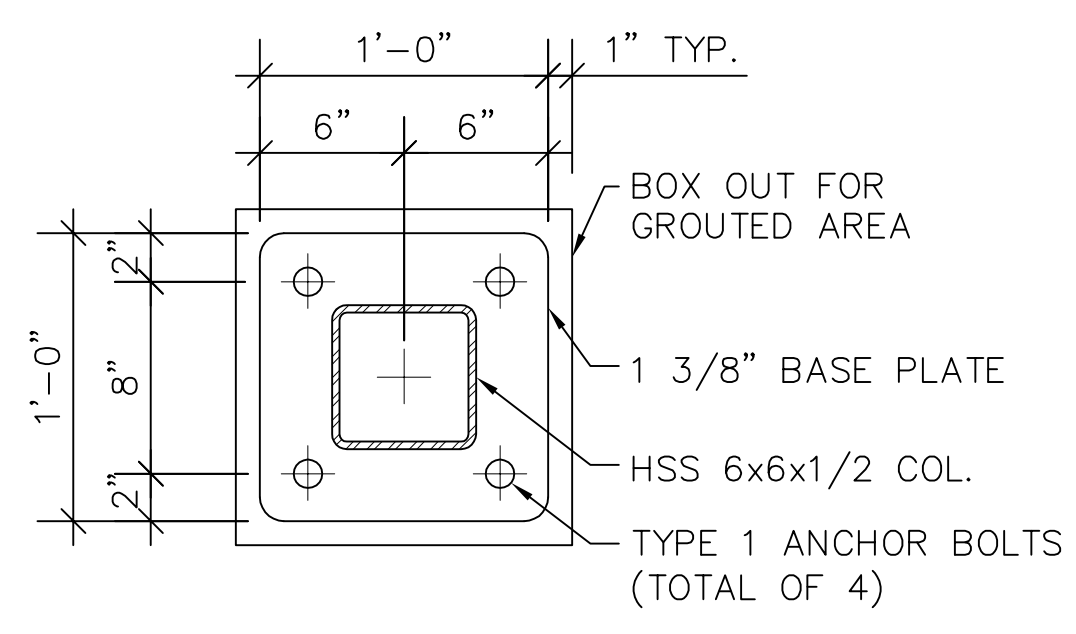


STV Incorporated
2722 Merrilee Drive, Suite 350
Fairfax, Virginia 22031

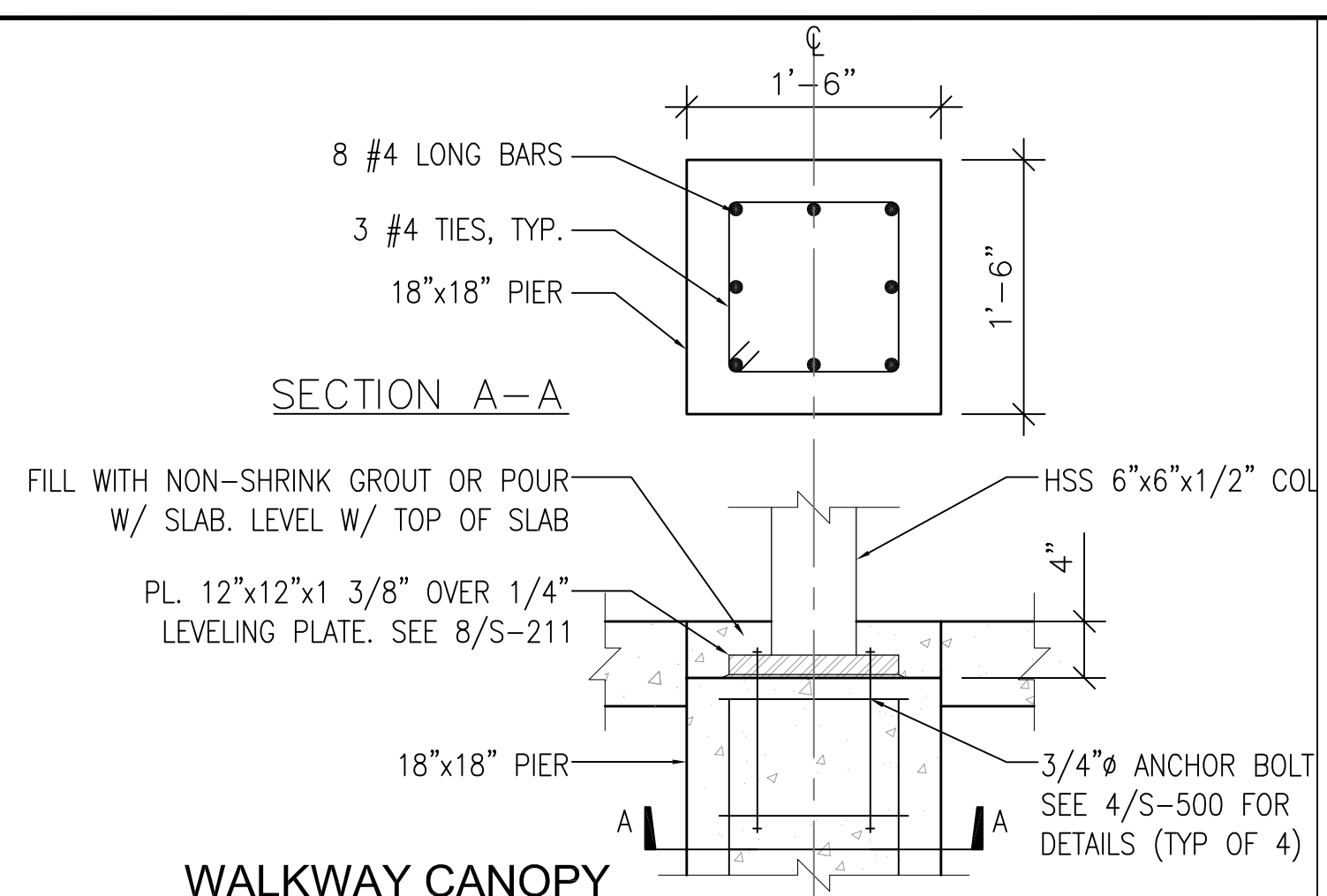
SPOTSYLVANIA STATION

ELEVATION & ROOF PLAN

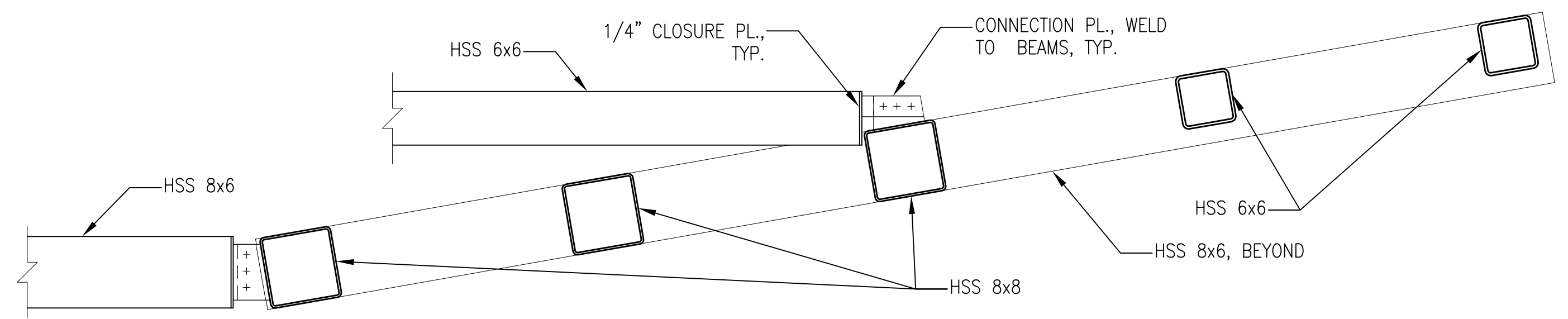
IFB NO:	013-013
DRAWING NO:	S-210
SCALE:	AS NOTED
SHEET NO:	48 OF 66



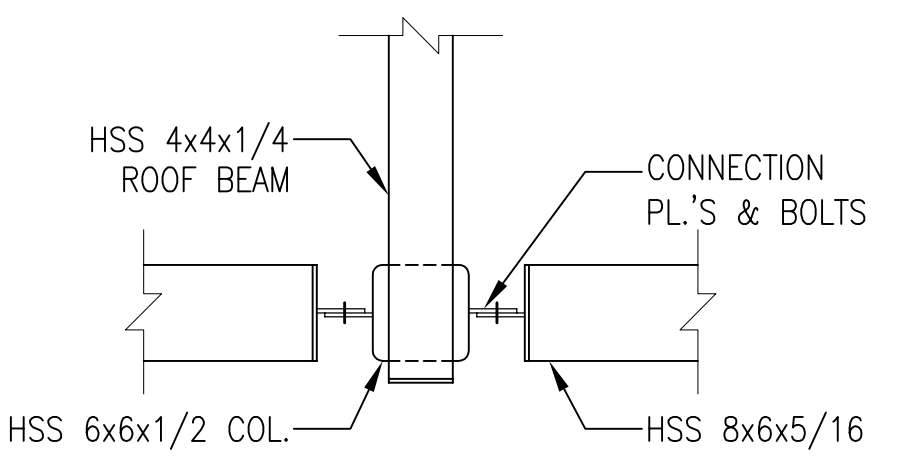
8 WALKWAY CANOPY BASE PLATE DETAIL
SCALE: 1 1/2" = 1'-0"



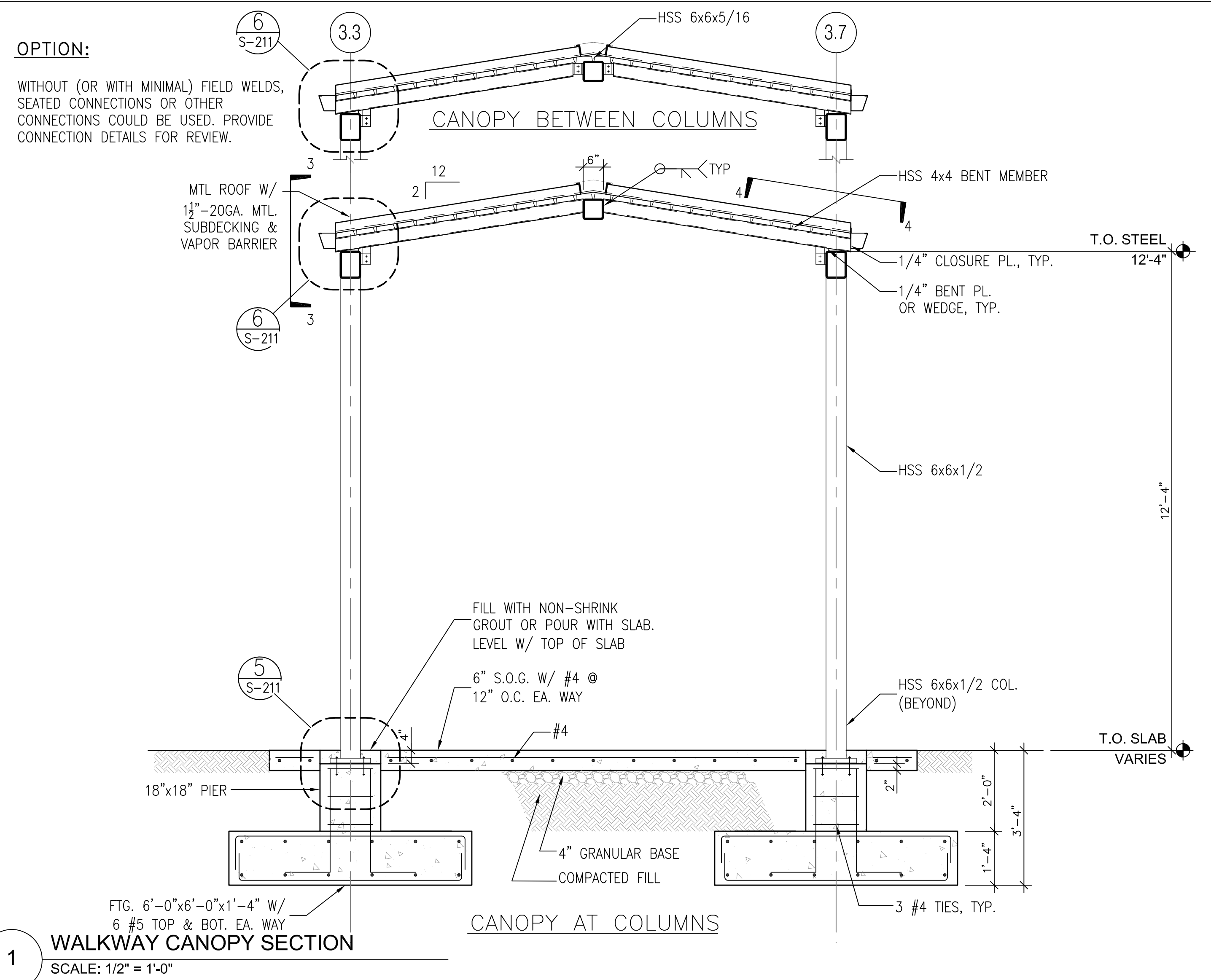
5 WALKWAY CANOPY COLUMN BASE DETAIL
SCALE: 1" = 1'-0"



2 WALKWAY & PLATFORM CANOPY CONNECTION DETAIL
SCALE: 1" = 1'-0"

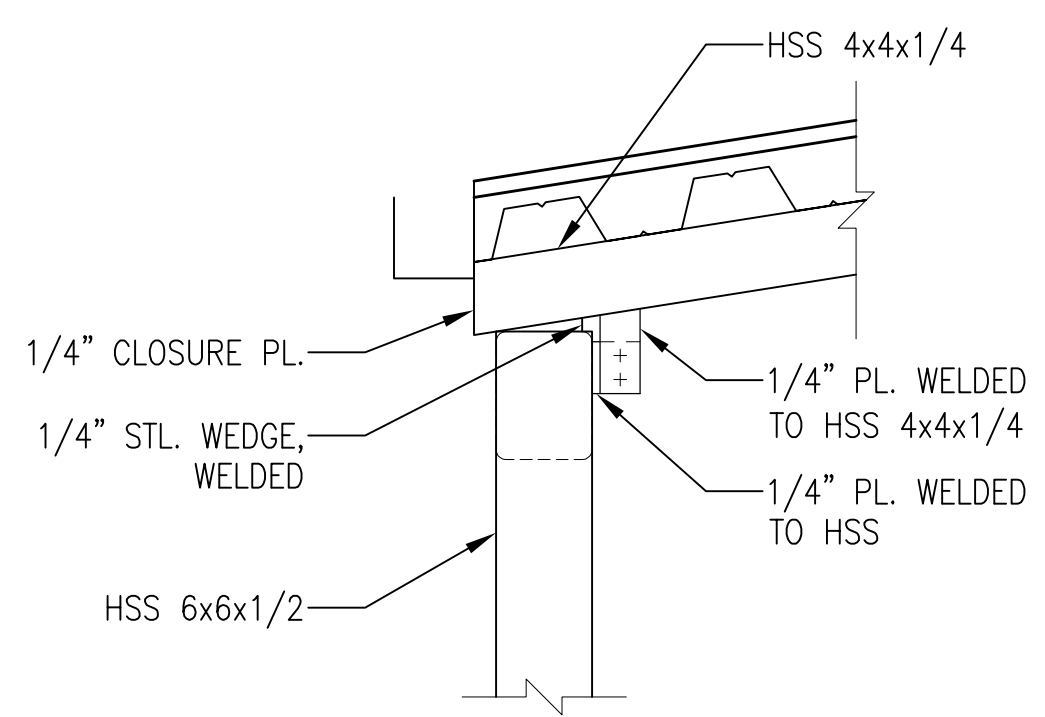


4 BEAM/COLUMN CONNECTION DETAIL
SCALE: 1" = 1'-0"

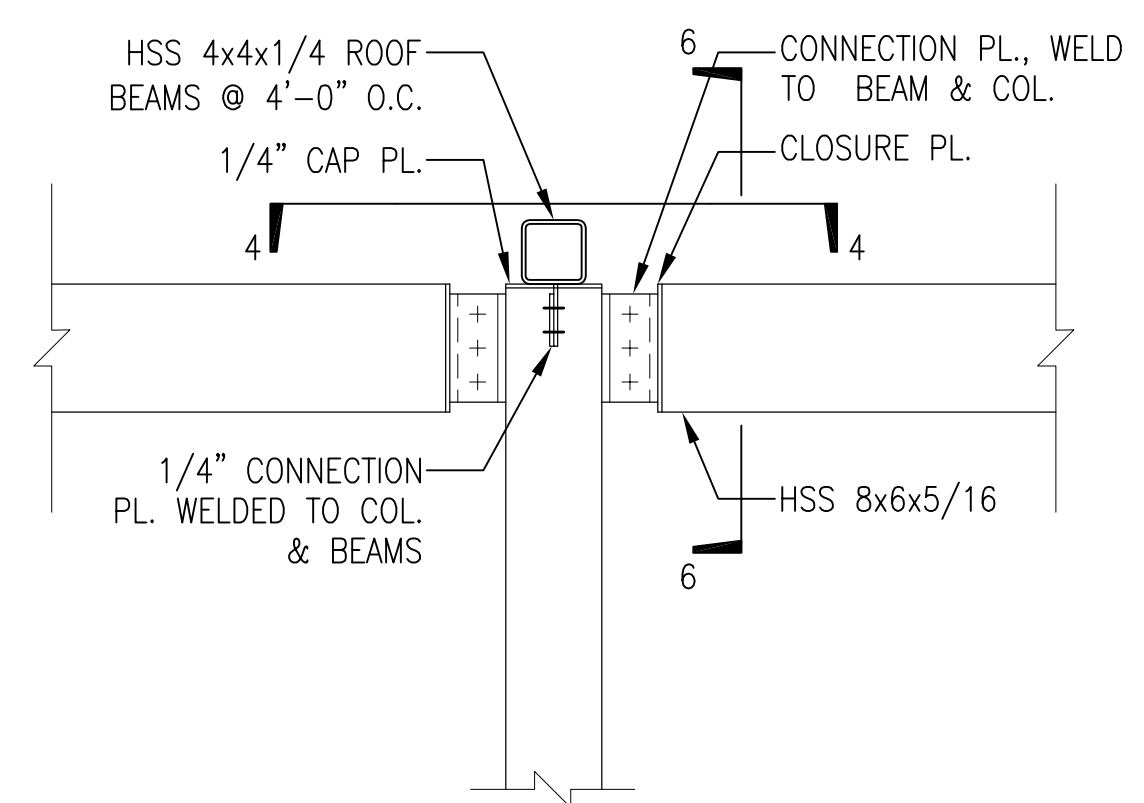


1 WALKWAY CANOPY SECTION
SCALE: 1/2" = 1'-0"

7 NOT USED



6 TYP. ROOF BEAM CONNECTION DETAIL
SCALE: 1" = 1'-0"

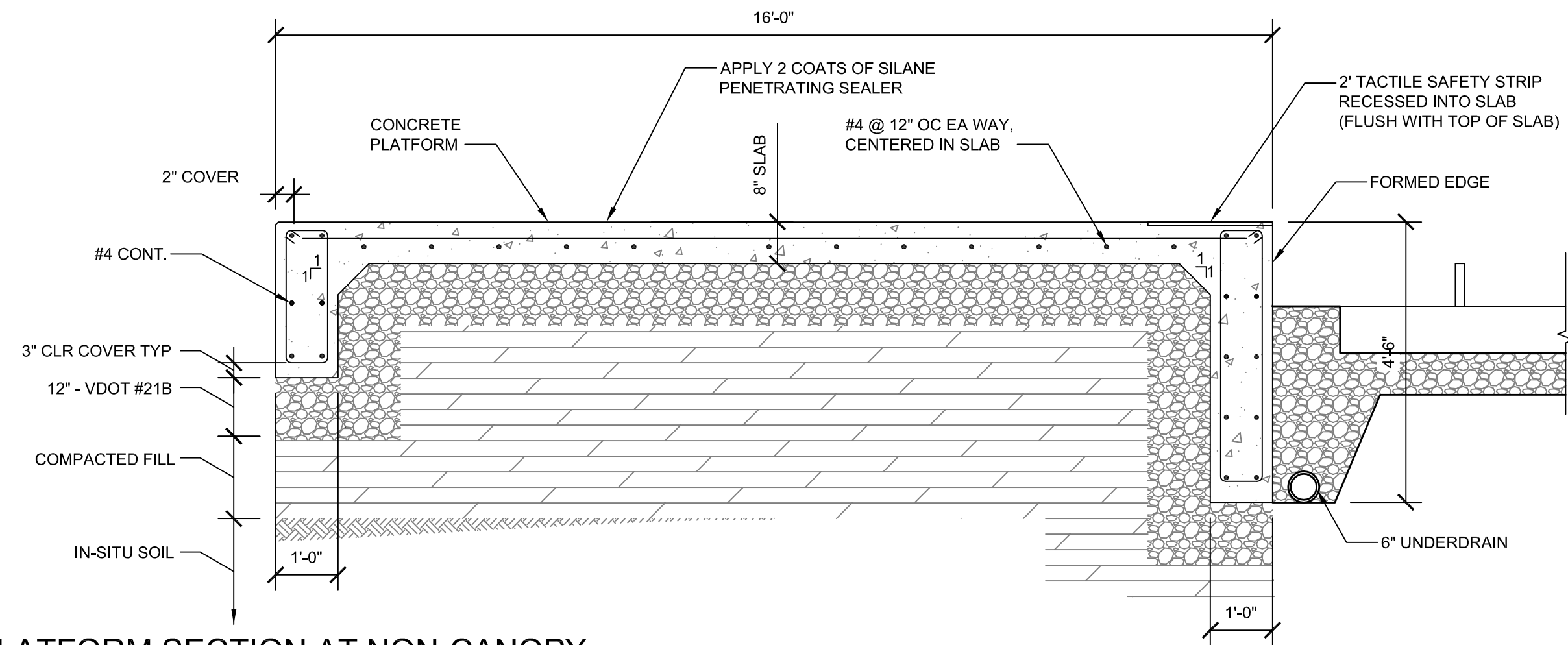


3 BEAM/COLUMN CONNECTION DETAIL
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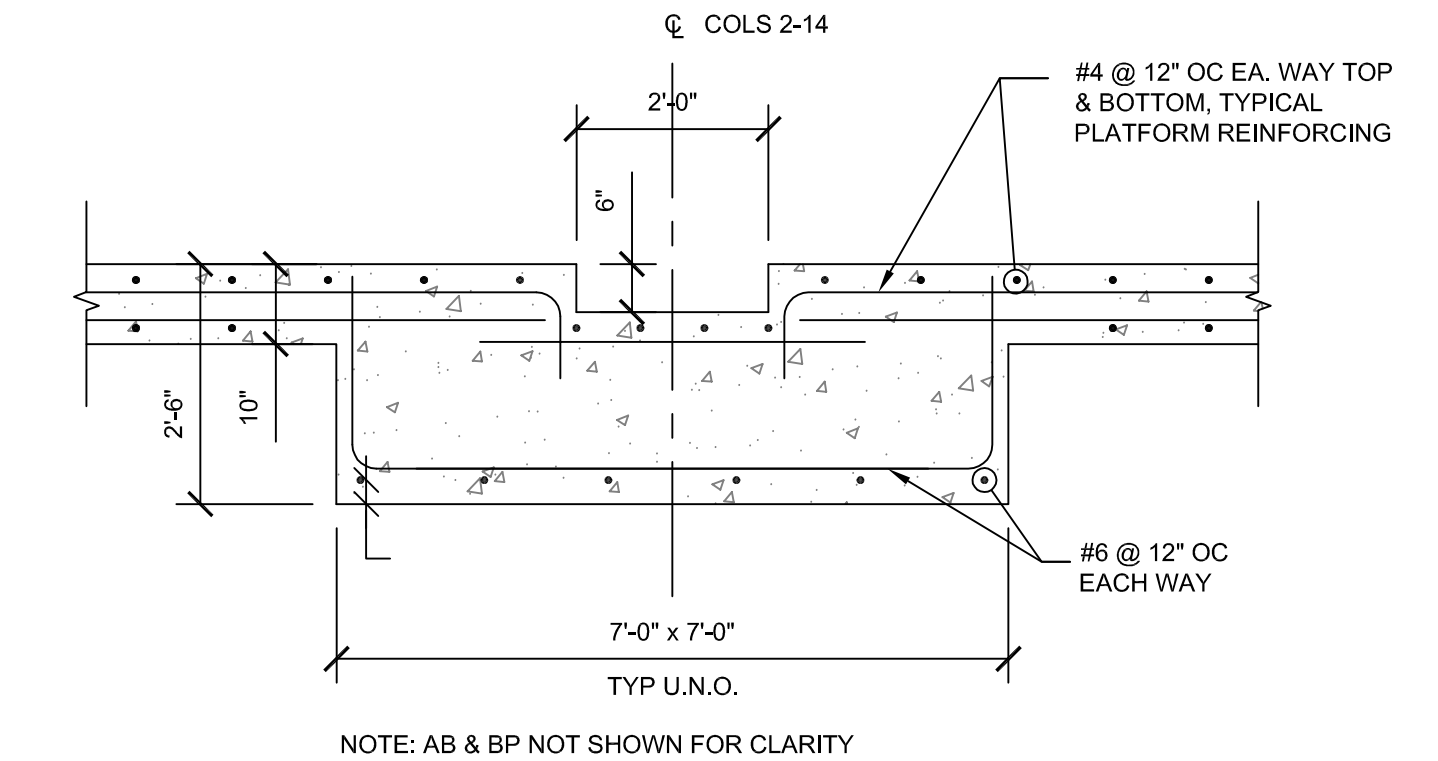
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION WALKWAY CANOPY SECTION & DETAILS	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	FP					DRAWING NO:	S-211
		11/21/12			60% SUBMITTAL	KEF					SCALE:	AS NOTED
		01/11/13			90% SUBMITTAL	FP					SHEET NO:	49 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:						
						DATE:						
						03/27/13						

9 NOT USED

6 PLATFORM SECTION AT NON-CANOPY
SCALE: 1/2" = 1'-0"

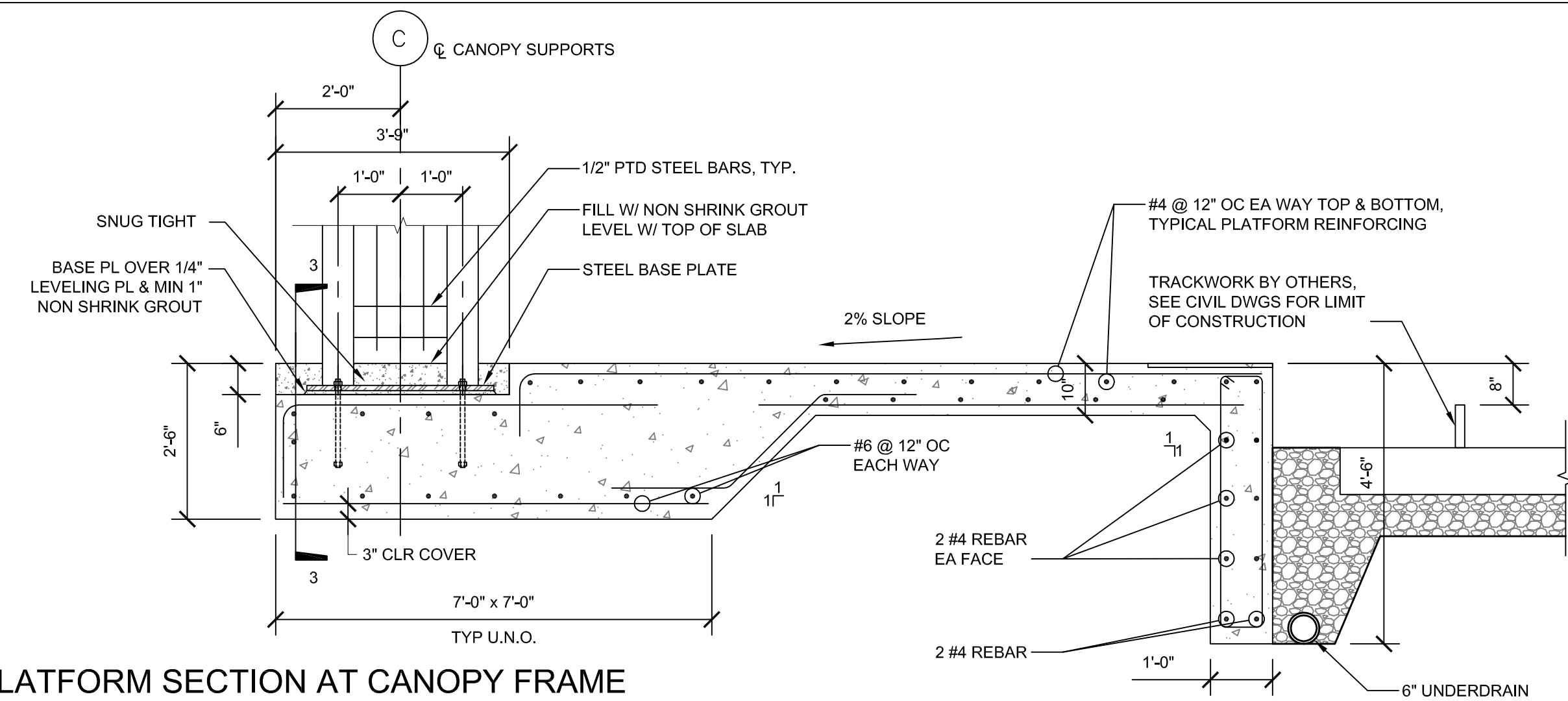


3 SECTION AT CANOPY FRAME FOOTING
1/2" = 1'-0"

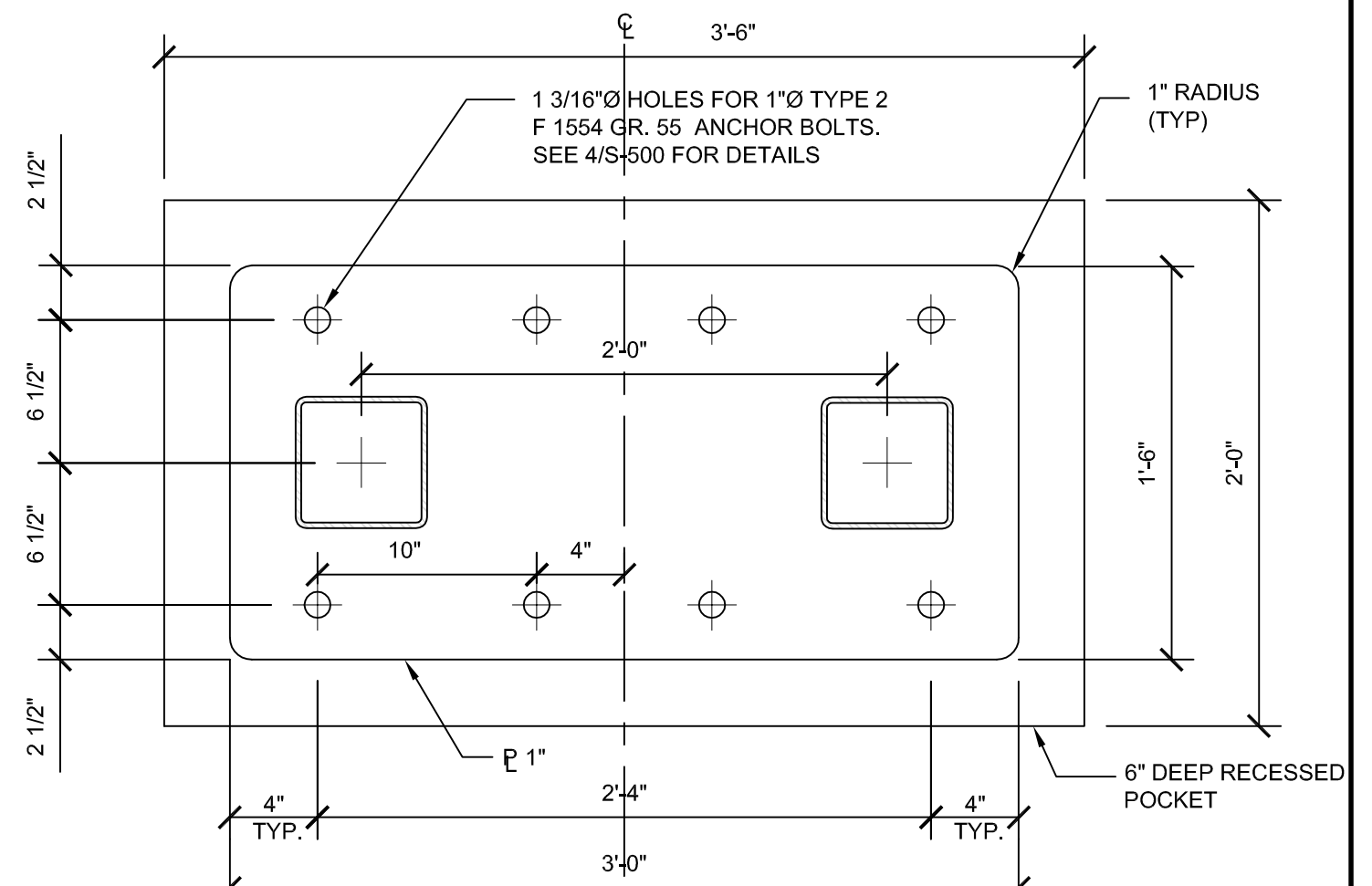


8 NOT USED

5 PLATFORM SECTION AT CANOPY FRAME
SCALE: 1/2" = 1'-0"

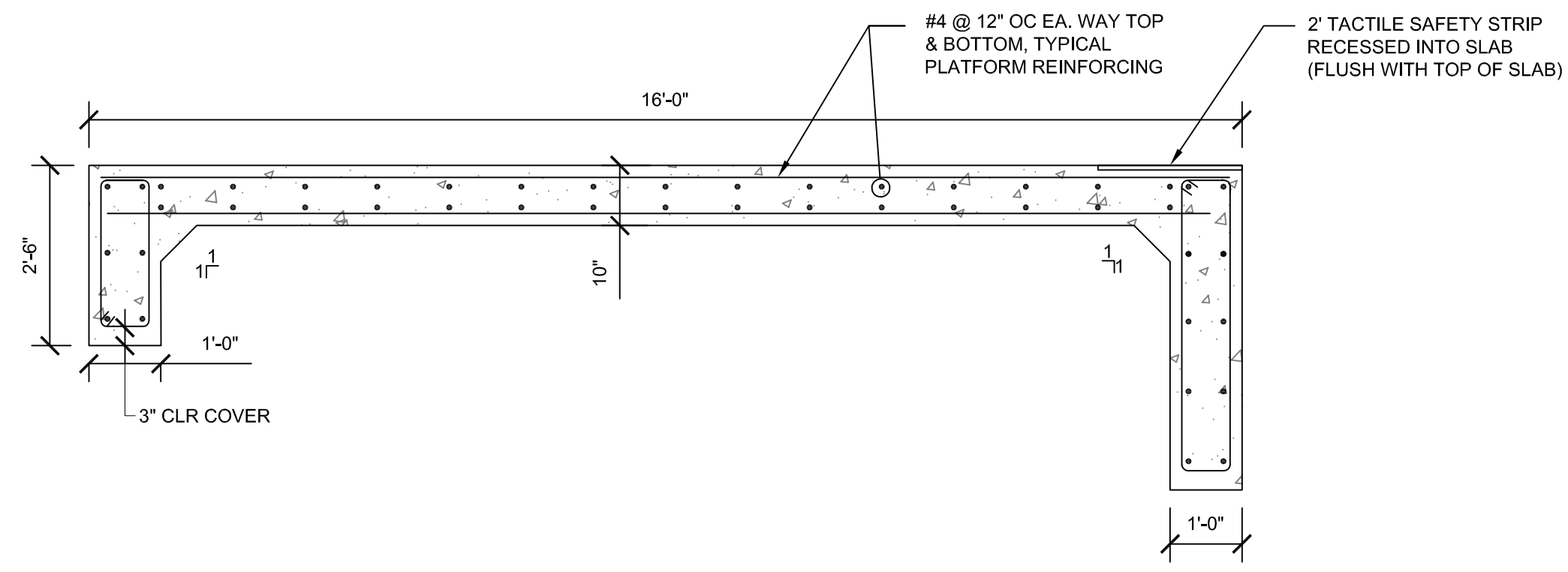


2 CANOPY COLUMN BASE PLATE
SCALE: 1 1/2" = 1'-0"

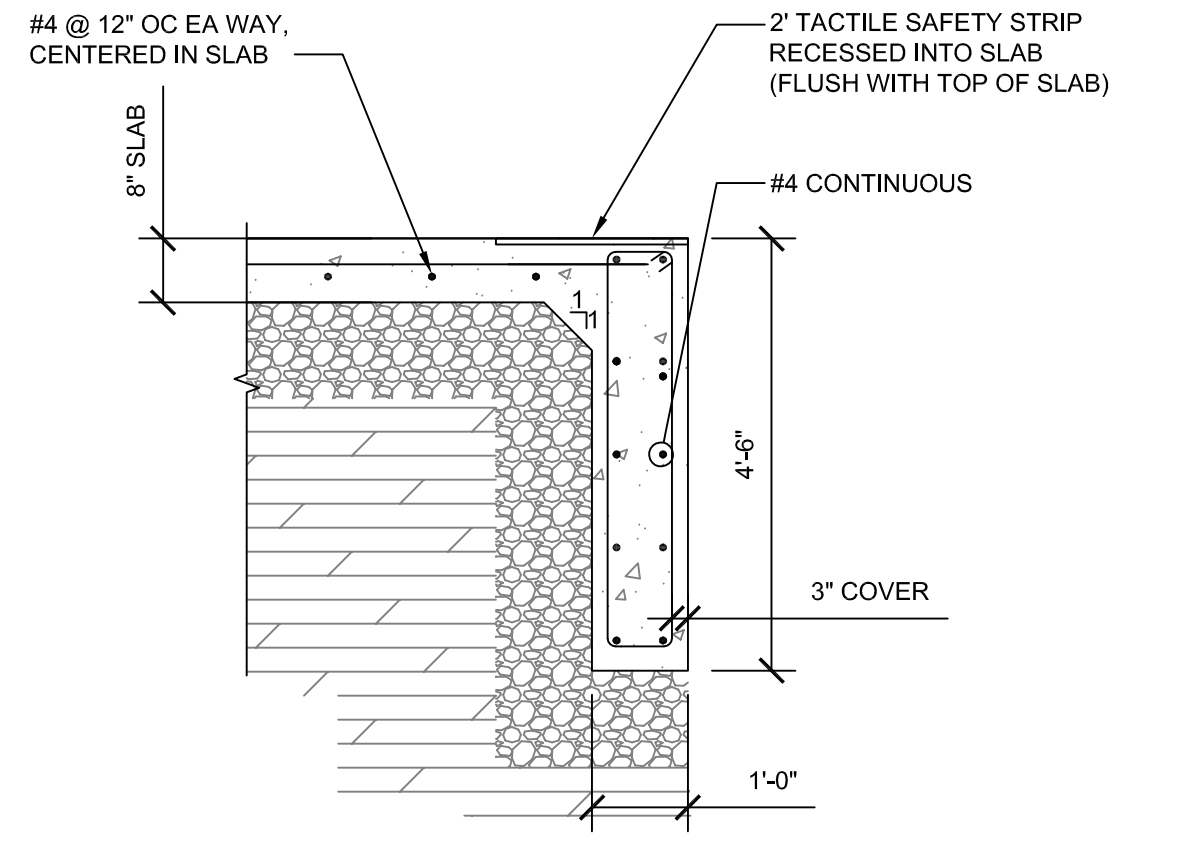


7 NOT USED

4 PLATFORM SECTION AT CANOPY
SCALE: 1/2" = 1'-0"

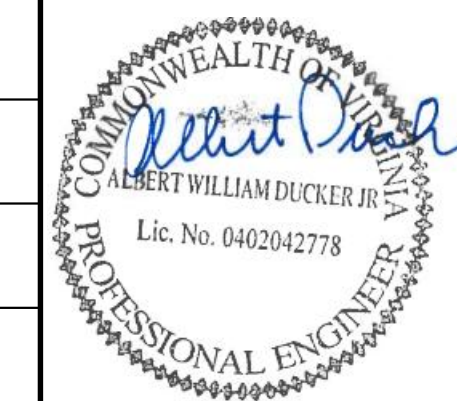


1 CONNECTION AT PLATFORM END
SCALE: 1/2" = 1'-0"



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	FP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						FP
						DATE:
						03/27/13

DESIGNED BY: FP
DRAWN BY: KEF
CHECKED BY: FP
DATE: 03/27/13



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SPOTSYLVANIA STATION
PLATFORM DETAILS

IFB NO: 013-013
DRAWING NO: S-300
SCALE: AS NOTED
SHEET NO: 50 OF 66

11 NOT USED

8 NOT USED

5 WALL SECTION
SCALE: 1" = 1'-0"

3 TYPICAL REINFORCEMENT LAYOUT AT CORNER OF WALL
SCALE: N.T.S.

10 NOT USED

7 NOT USED

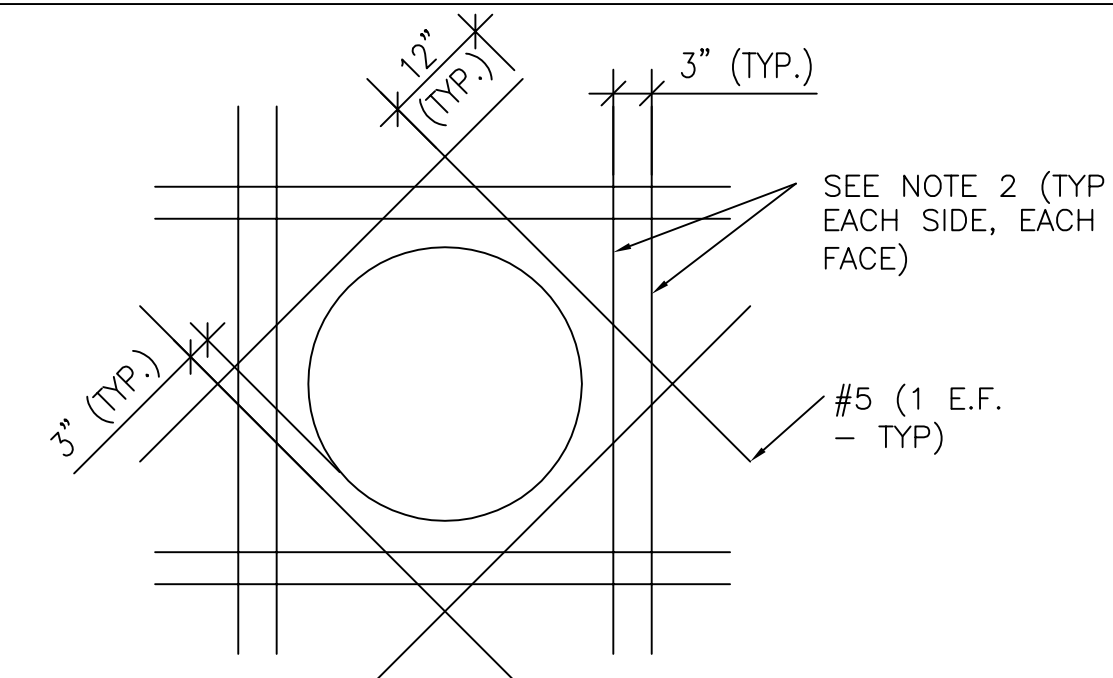
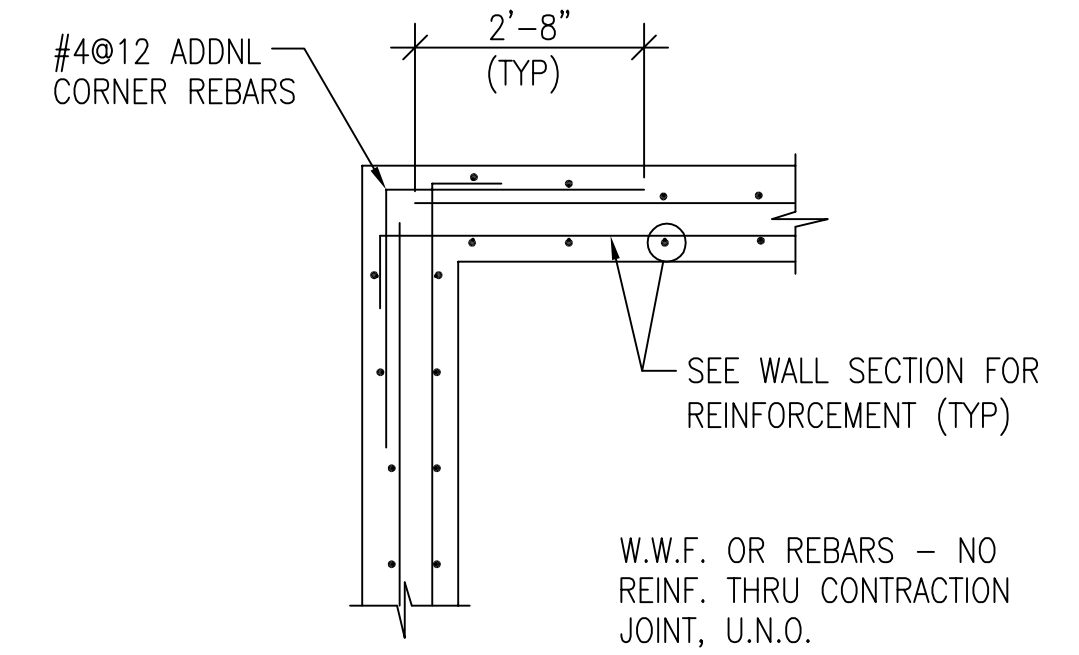
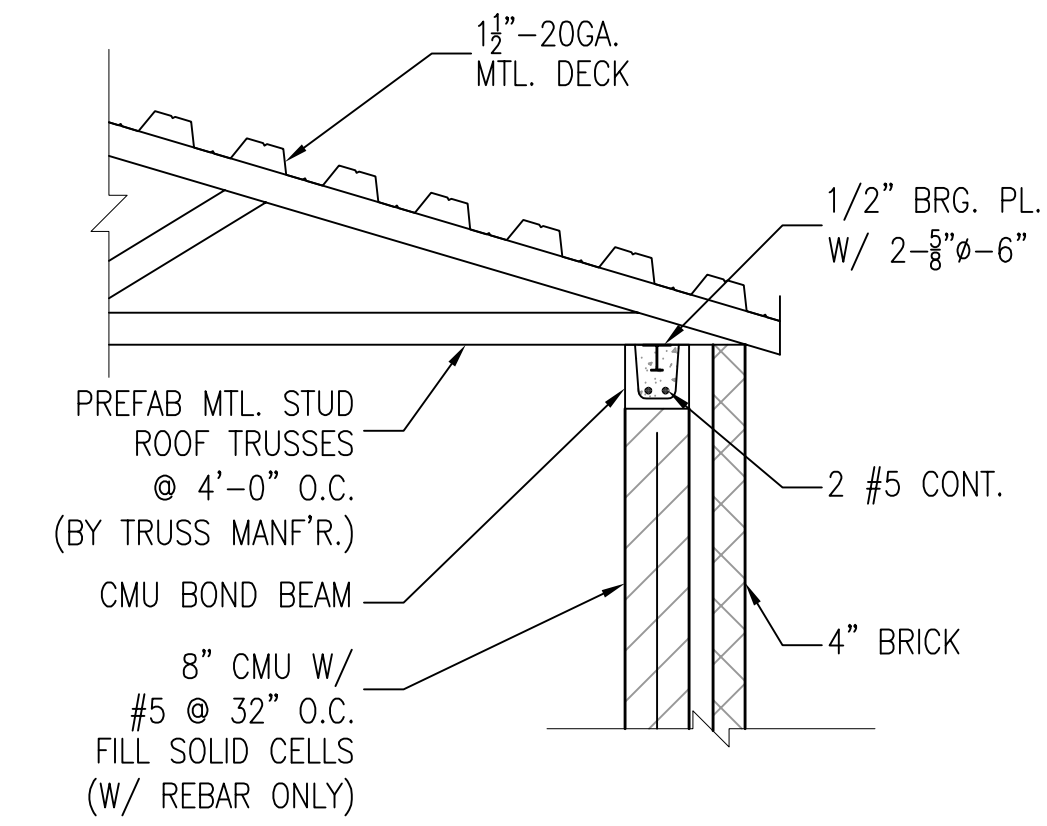
4 TYPICAL REINFORCEMENT AT SLAB OPENING
SCALE: N.T.S.

2 TYPICAL REINFORCEMENT AT RE-ENTRANT CORNER OF SLAB
SCALE: N.T.S.

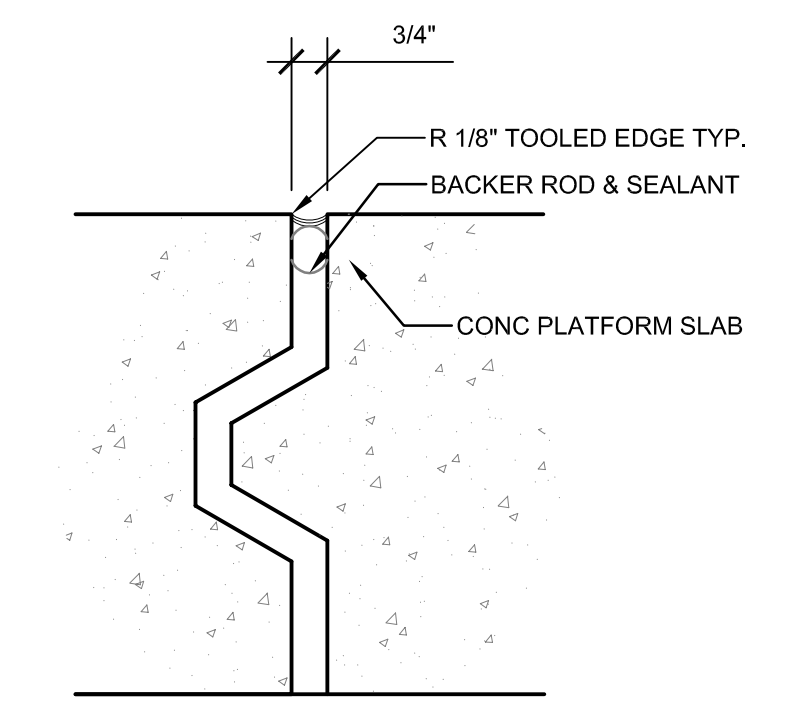
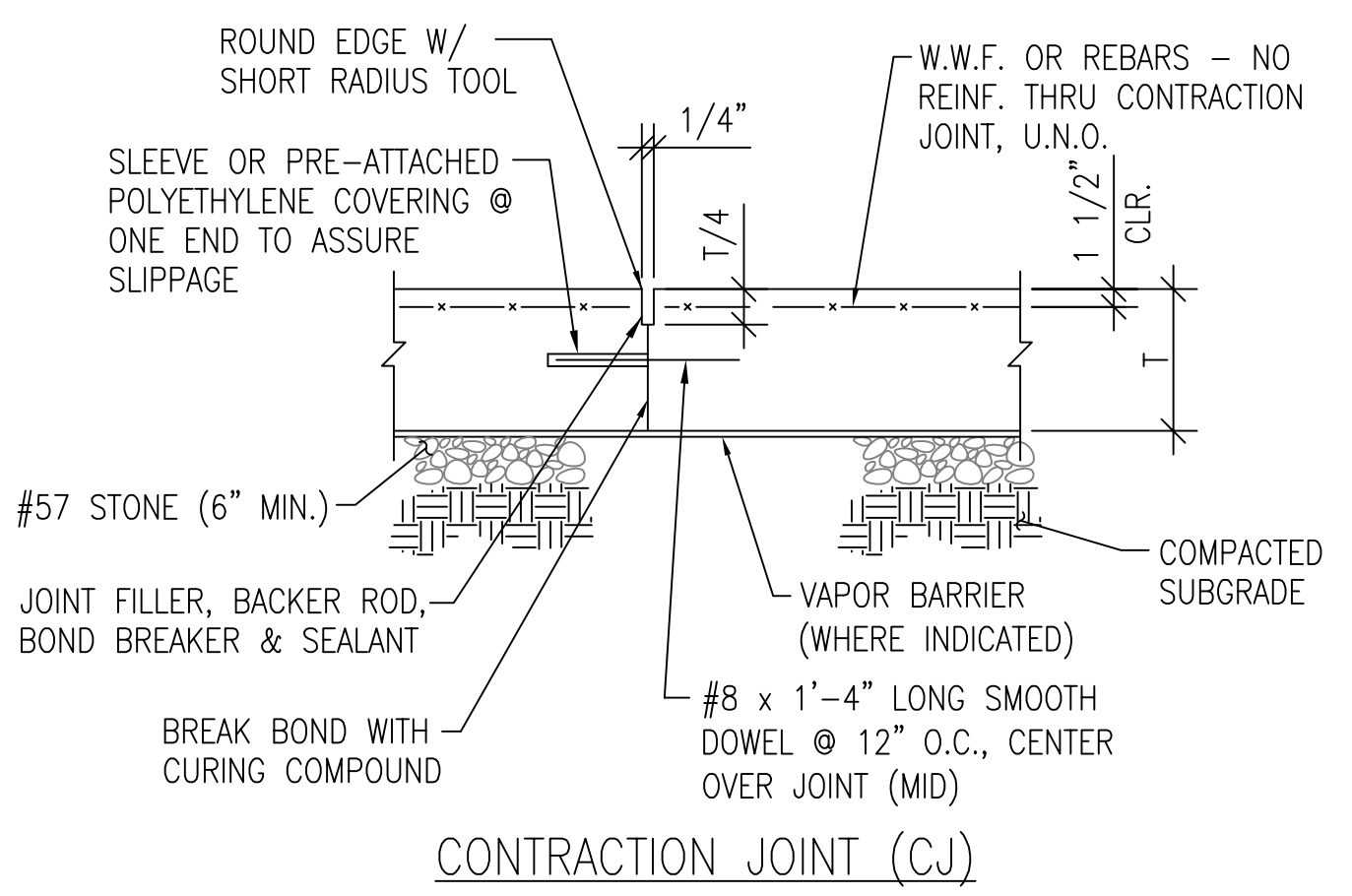
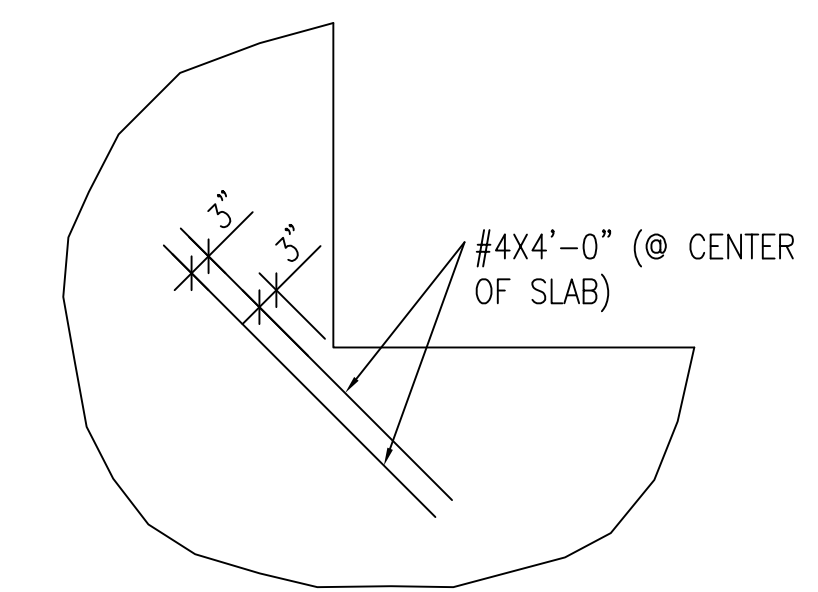
9 NOT USED

6 NOT USED

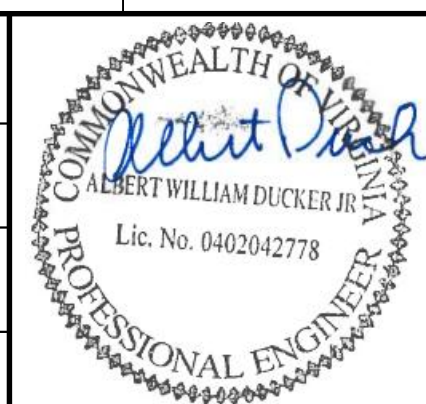
1 TYPICAL JOINT DETAILS FOR SLAB ON GRADE
SCALE: N.T.S.



- NOTES:
1. ROUND OPENING SHOWN. RECTANGULAR OPENING SIMILAR.
 2. PROVIDE ADDITIONAL REBARS WITH SAME SIZE AND EQUALS TO HALF OF THE NUMBER OF REBARS TO BE CUT.
 3. NO ADDITIONAL REBARS IS REQUIRED FOR OPENING SMALLER THAN 12" DIAMETER OR 12"x12" SQUARE.



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	FP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						FP
						DATE:
						03/27/13



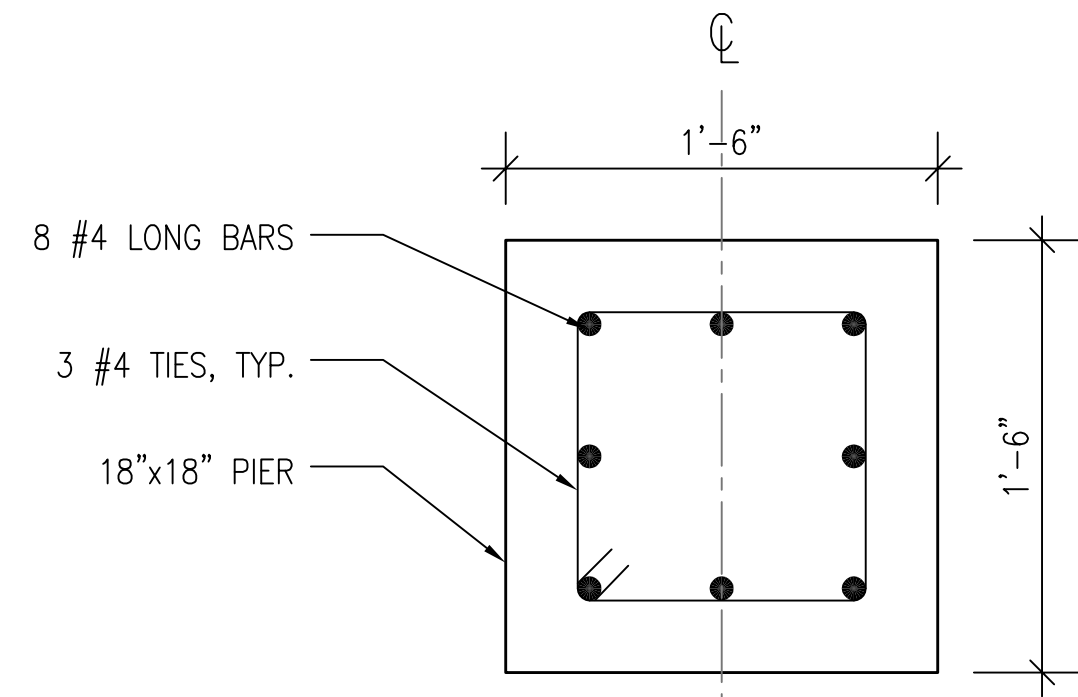
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SPOTSYLVANIA STATION

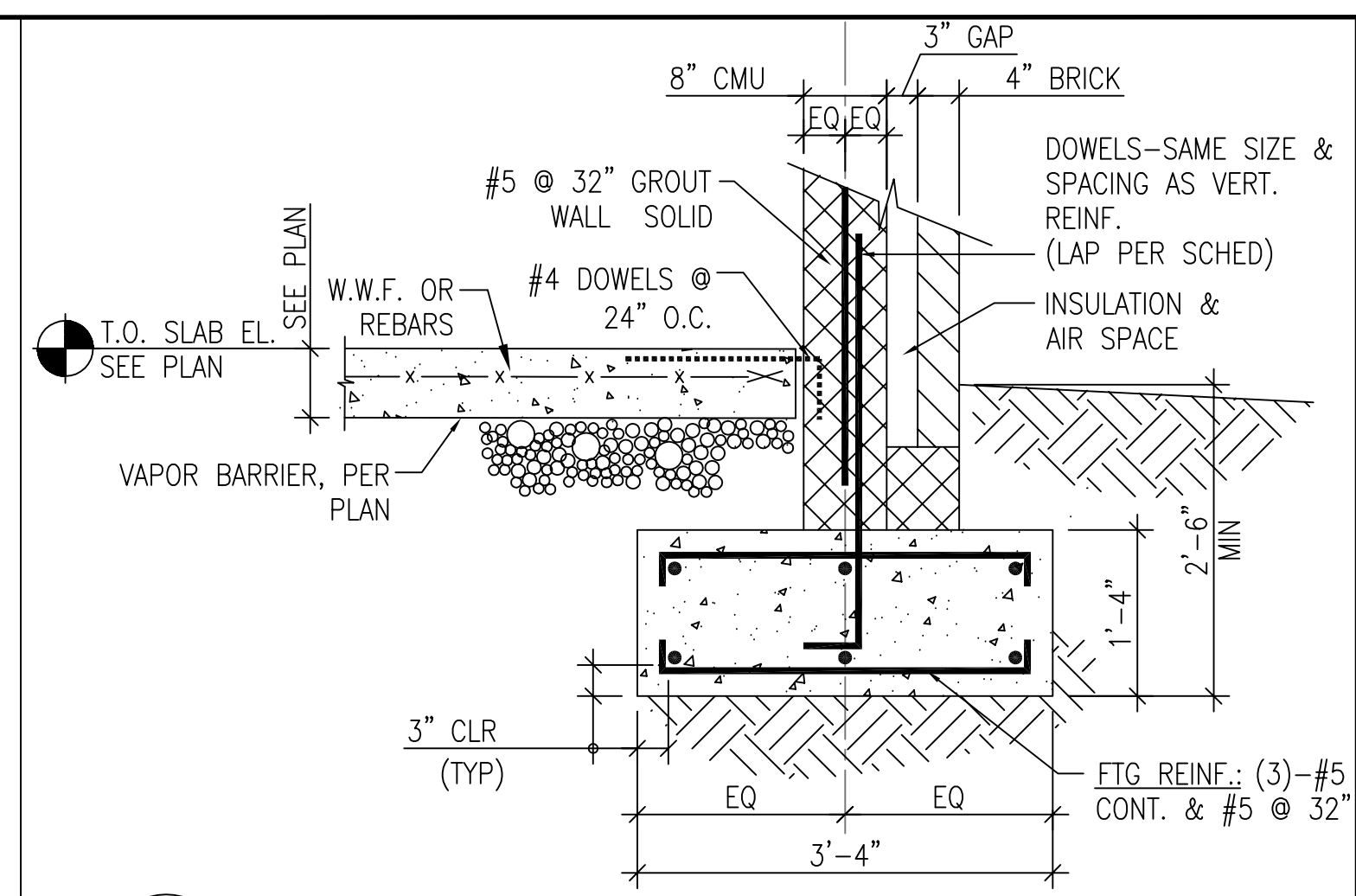
TYPICAL SLAB DETAILS

IFB NO:	013-013
DRAWING NO:	S-301
SCALE:	AS NOTED
SHEET NO:	51 OF 66

11 NOT USED



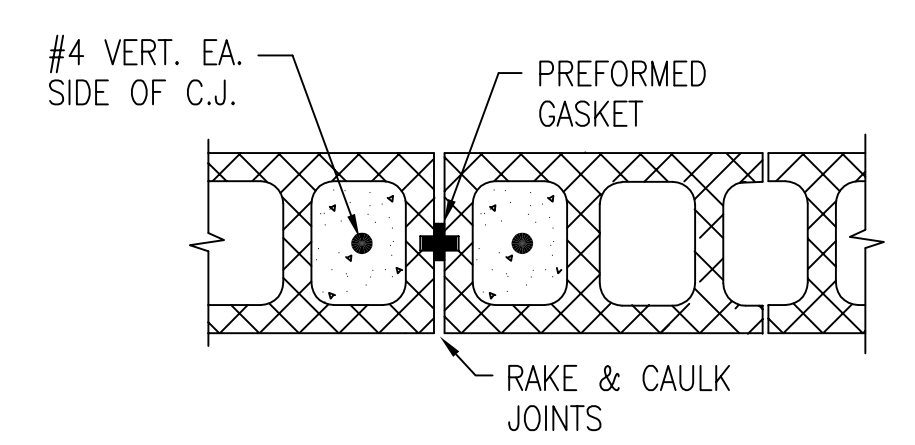
8 TYPICAL PIER DETAIL
SCALE: 1 1/2" = 1'-0"



5 TYPICAL FOUNDATION SECTION
SCALE: 3/4" = 1'-0"

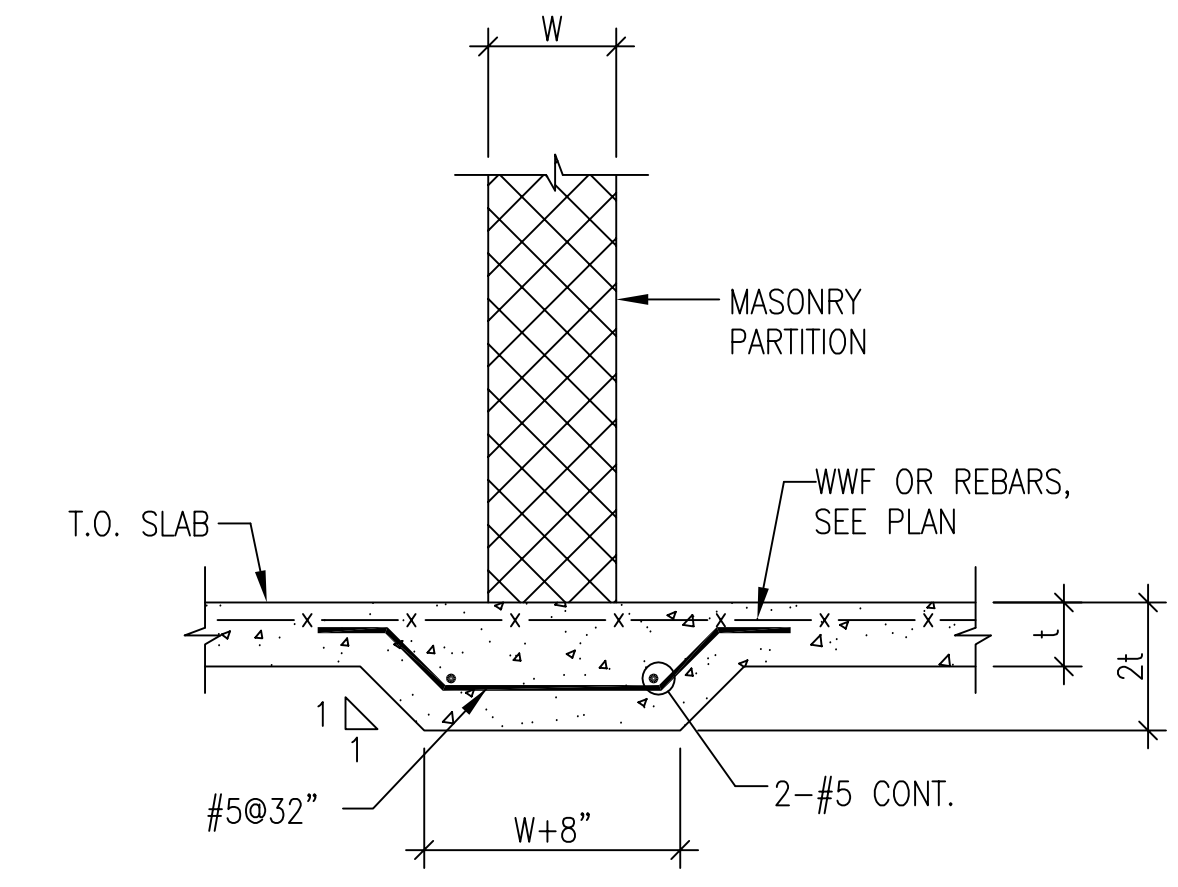
3 NOT USED
SCALE: N.T.S.

10 NOT USED

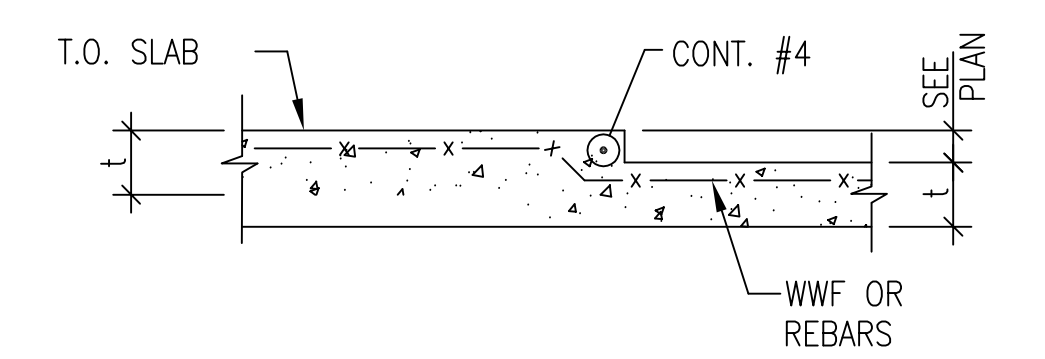


• PROVIDE CONTROL JOINTS AT A MAX. SPACING OF 25'
• MASONRY CONTROL JOINTS IN CMU ARE NOT REQUIRED TO ALIGN WITH CONTROL JOINTS IN BRICK VENEER. SEE ARCH. DWGS. FOR LOCATIONS OF BRICK CONTROL JOINTS.

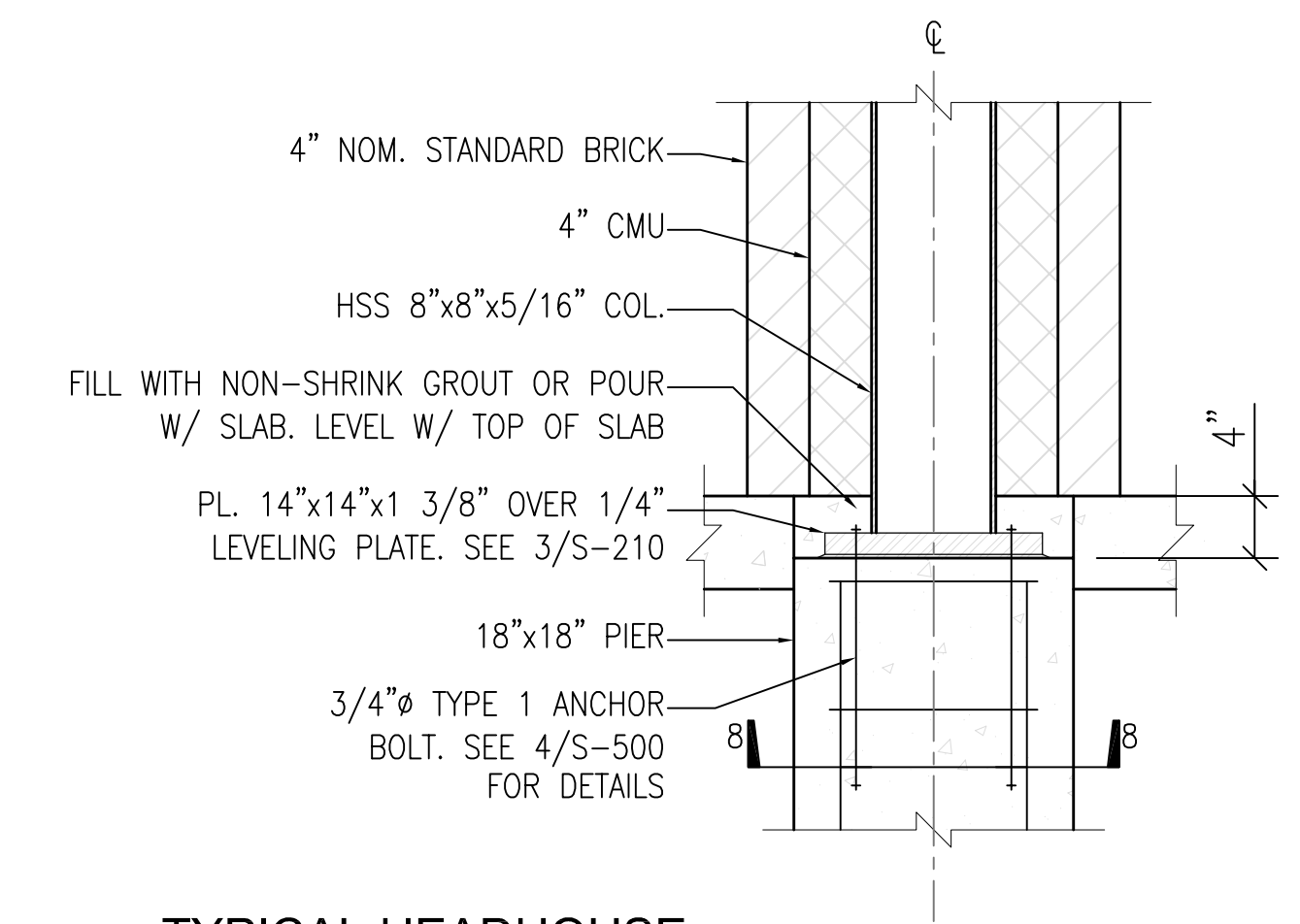
7 MASONRY CONTROL JOINT
SCALE: N.T.S.



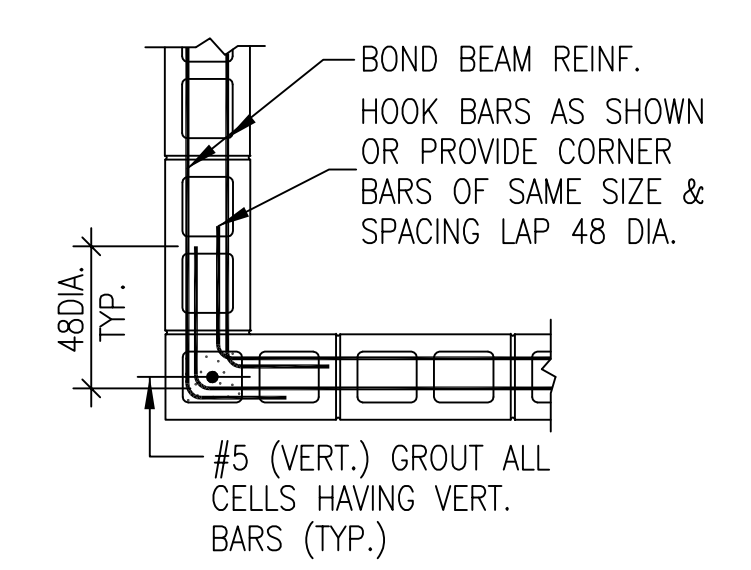
4 THICKENED SLAB UNDER MASONRY PARTITION WALLS
SCALE: N.T.S.



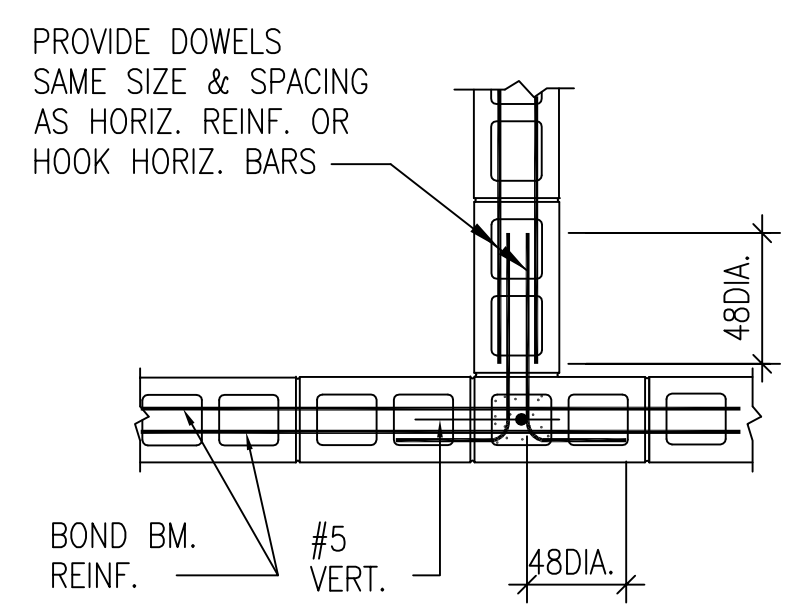
2 SLAB DEPRESSION
SCALE: N.T.S.



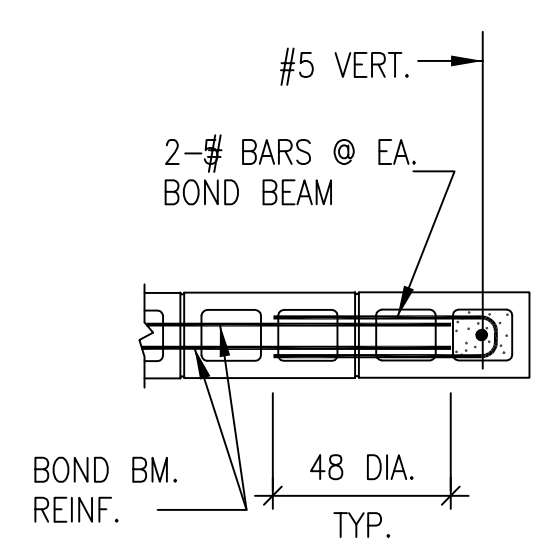
9 TYPICAL HEADHOUSE COLUMN BASE DETAIL
SCALE: 1" = 1'-0"



CORNER



INTERSECTION

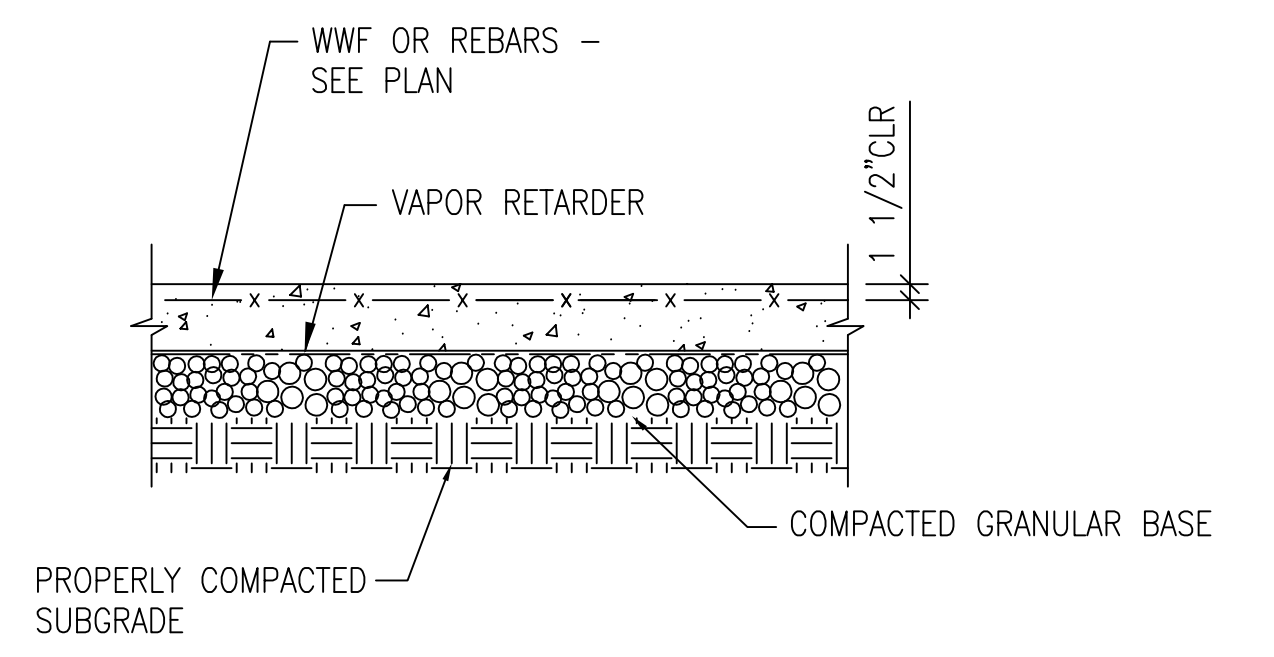


WALL END & DOOR/WINDOW JAMBS

NOTES:
1. CORNERS AND INTERSECTIONS UNLESS OTHERWISE NOTED OR SPECIFIED, AT POINTS WHERE CONCRETE MASONRY WALLS MEET OR INTERSECT, LAY 50% OF UNITS IN MASONRY BOND WITH ALTERNATE UNITS HAVING A BEARING OF NOT LESS THAN 8". SEE PLANS FOR MASONRY WALL REINF. PROVIDE FULL SOLID MASONRY WALLS WHERE REQ'D ON PLANS.

2. DOWELS UNLESS OTHERWISE NOTED OR SPECIFIED, PROVIDE DOWELS FROM CONCRETE FOOTING OR WALL BELOW WITH SAME SIZE AND SPACING AS VERTICAL BARS AT LEVEL BELOW. LAP 48 BAR DIAMETERS MINIMUM U.N.O.

6 TYPICAL 8" MASONRY WALL DETAILS
SCALE: N.T.S.



1 TYPICAL SLAB ON GRADE
SCALE: N.T.S.

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		10/11/12			30% SUBMITTAL	FP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						FP
						DATE:
						03/27/13

COMMONWEALTH OF VIRGINIA
Professional Engineer
Albert William Ducker, Jr.
Lic. No. 0402042778



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Fairfax, Virginia 22031

SPOTSYLVANIA STATION
TYPICAL DETAILS

IFB NO:	013-013
DRAWING NO:	S-302
SCALE:	AS NOTED
SHEET NO:	52 OF 66

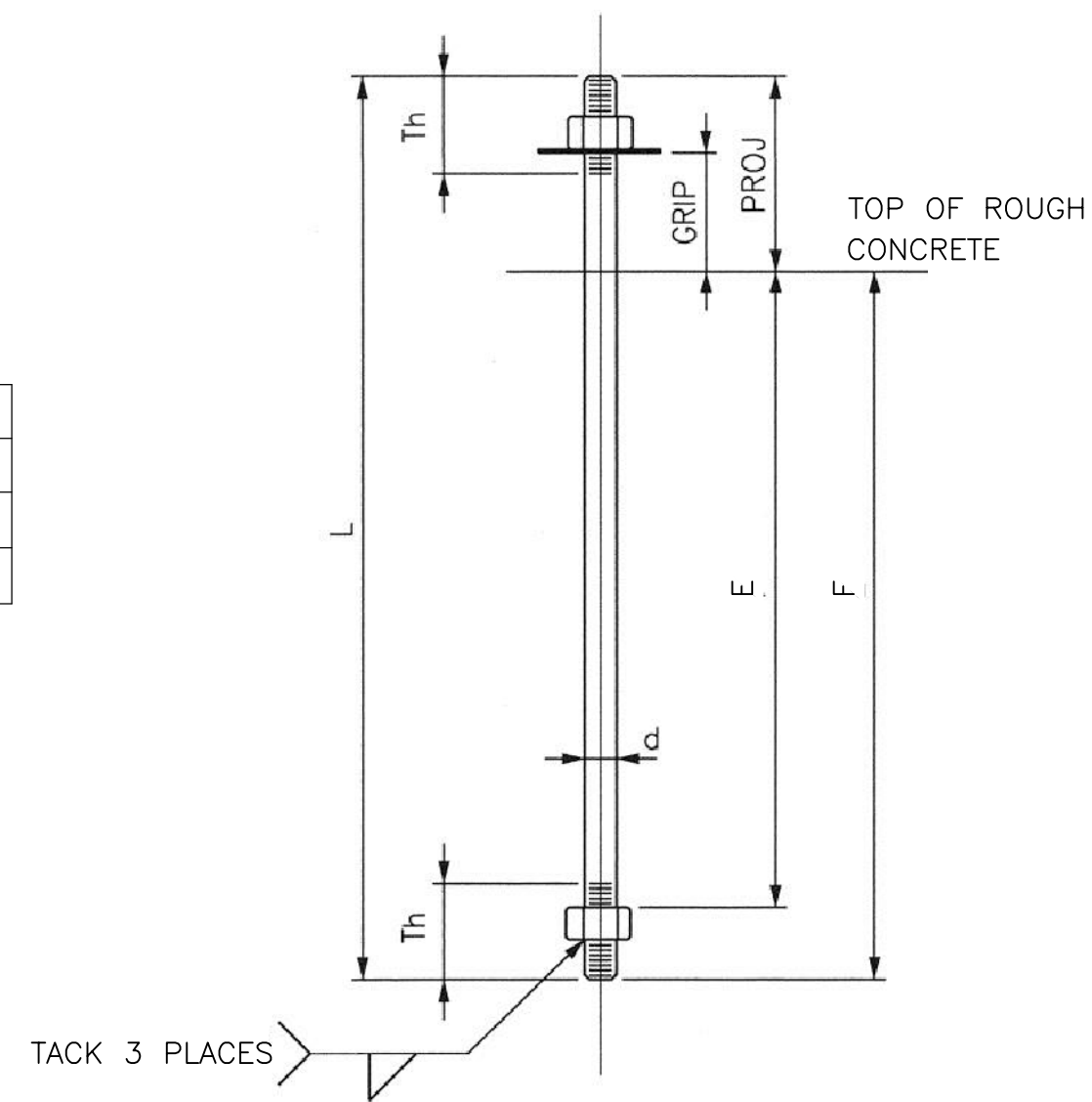
ROOF FRAMING NOTES:

1. UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE SHOP PRIMED AND PAINTED.
2. PRIOR TO FABRICATION, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW.
3. UNLESS OTHERWISE NOTED, ALL WELDS SHALL BE 1/4" FILLET WELD ALL AROUND.

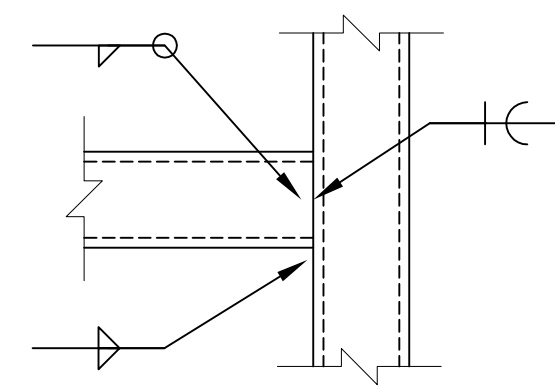
6 NOT USED

5 NOT USED

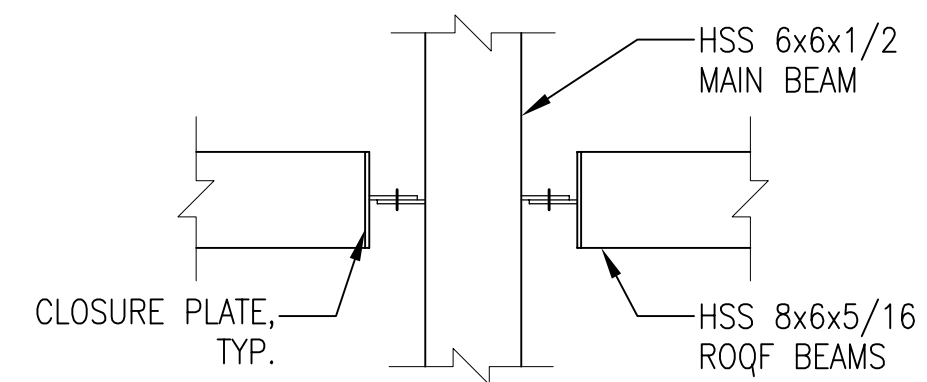
BOLT TYPE	DIMENSION: INCHES			
	d	E	F	Th
1	3/4	10	11 1/4	2 3/4
2	1	16	17 1/2	3 1/2



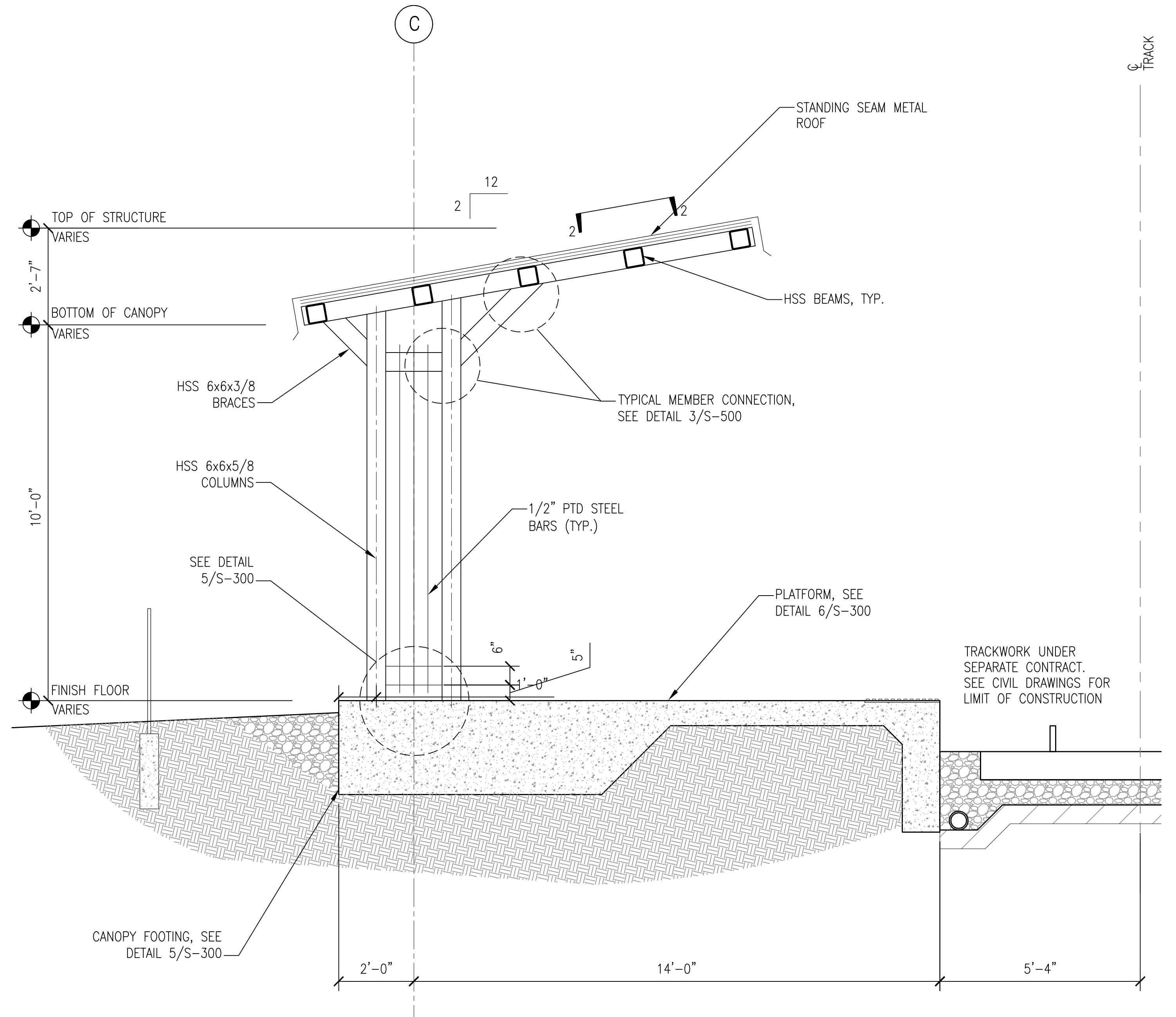
4 ANCHOR BOLT DESCRIPTION
SCALE: N.T.S.



3 BRACING CONNECTION DETAIL
SCALE: 1" = 1'-0"



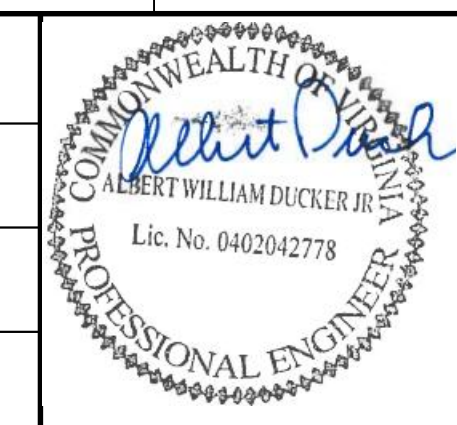
2 CANOPY ROOF BEAMS CONNECTION DETAIL
SCALE: 1" = 1'-0"



1 PLATFORM CANOPY SECTION (TYP)
SCALE: 1/4" = 1'-0"

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	AWP
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	KEF
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						AWP
						DATE:
						03/27/13

DESIGNED BY: AWP
DRAWN BY: KEF
CHECKED BY: AWP
DATE: 03/27/13



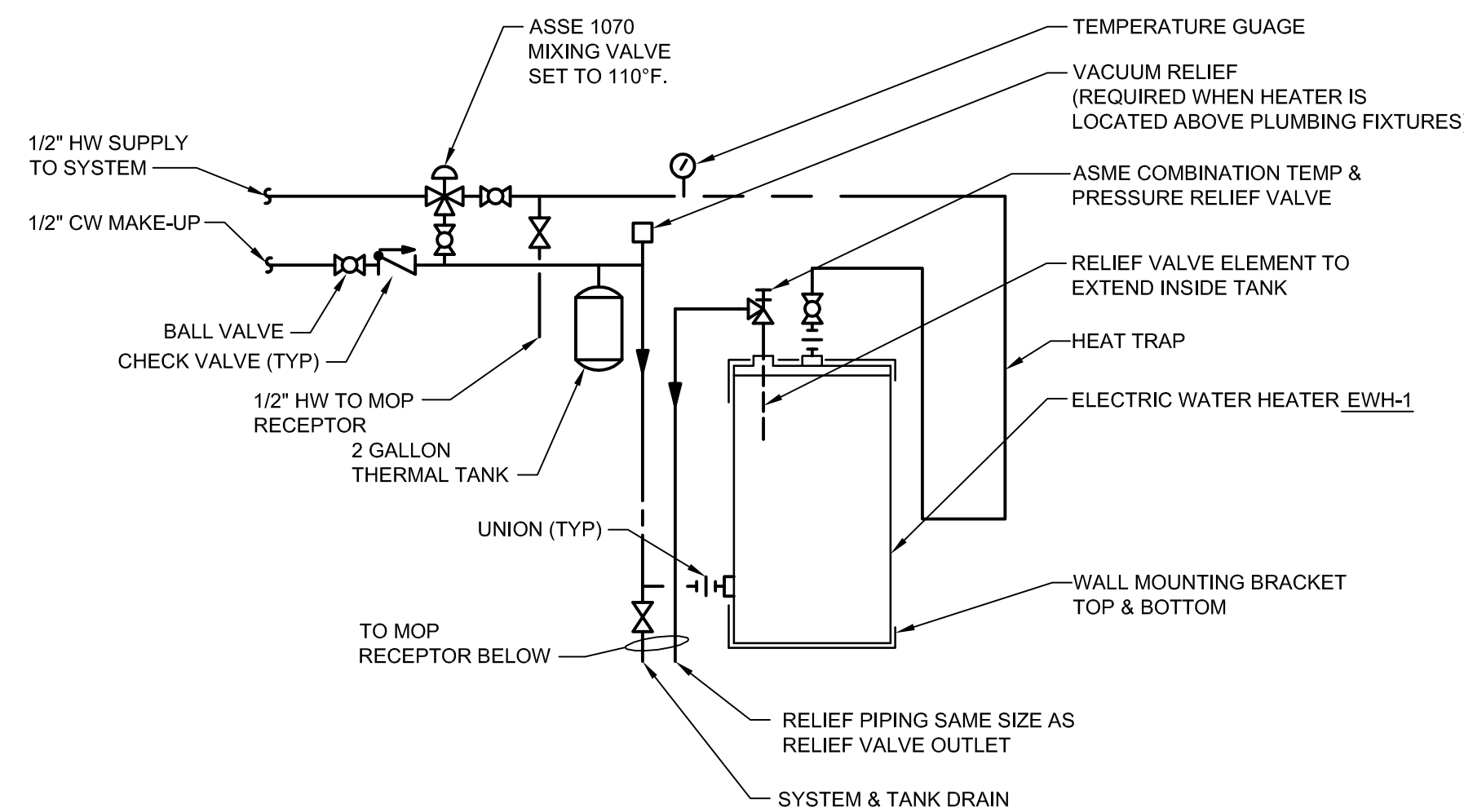
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SPOTSYLVANIA STATION
PLATFORM CANOPY SECTION & DETAILS

IFB NO:	013-013
DRAWING NO:	S-500
SCALE:	AS NOTED
SHEET NO:	53 OF 66

PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	BASIS OF DESIGN	CW	HW	WASTE	VENT	REMARKS
P-1	WATER CLOSET - ADA	SLOAN - WETS 2000-1.28-ES-S	1"	-	4"	2"	ADA HEIGHT, FLOOR MOUNTED W/ 1.28 GPF HARD-WIRED, CONCEALED SENSOR OPERATED FLUSH VALVE.
P-2	WATER CLOSET	SLOAN - WETS 2000-1.28-ES-S	1"	-	4"	2"	FLOOR MOUNTED W/ 1.28 GPF HARD-WIRED, CONCEALED SENSOR OPERATED FLUSH VALVE.
P-3	URINAL	SLOAN - WEUS-1000.1301-0.125 ES-S	3/4"	-	2"	2"	WALL MOUNTED W/ 0.125 GPF HARD-WIRED, CONCEALED SENSOR OPERATED FLUSH VALVE.
P-4	LAVATORY	AMER. STD. LUCERNE #0355.012 W/ SLOAN #	1/2"	1/2"	1 1/2"	1 1/4"	WALL HUNG / ADA, PROVIDE 0.5 GPM MANUAL FAUCET, GRID DRAIN, TRAP AND KEYED SHUT-OFFS, AND CONCEALED ARM CARRIER.
P-5	MOP RECEPTOR	FIAT TERRAZZO	1/2"	1/2"	3"	2"	FLOOR MOUNTED TERRAZZO WITH STAINLESS STEEL SERVICE SINK FAUCET.
P-6	WATER FOUNTAIN	HAWS #1119FR	(2)1/2"	-	(2)1 1/2"	1 1/4"	BH-LEVEL, WALL HUNG, FROSTPROOF, VANDAL-RESISTANT UNIT. PROVIDE TRAPS, SUPPLIES WITH SHUTOFF AND WALL CARRIER.
WH	WALL HYDRANT	WOODFORD MODEL 65	3/4"	-	-	-	FROST PROOF EXPOSED WALL HYDRANT WITH KEYED OPERATOR AND VACUUM BREAKER.
YH	YARD HYDRANT	WOODFORD MODEL Y95	3/4"	-	-	-	FLUSH MOUNT FROST PROOF YARD HYDRANT WITH KEYED OPERATOR, BOX, AND VACUUM BREAKER.
FD	FLOOR DRAIN	JOSAM 30000 SERIES	-	-	4"	-	CAST IRON BODY WITH 8"Ø NICKELØY STRAINER AND PROSET TRAP GUARD INSERT.

WATER HEATER SCHEDULE							
NO.	DESCRIPTION	BASIS OF DESIGN	STORAGE VOLUME (GALLONS)	ELEMENT TOTAL WATTAGE	GALLONS PER HOUR AT 90°F	ELECTRICAL (VOLTS/PH)	REMARKS
EW-1	ELECTRIC, STORAGE	BRADFORD WHITE M-1-20L6DS	19	4.5 KW	21	240/1	SEE DETAIL



ELECTRIC WATER HEATER DETAIL
SCALE: NONE

PLUMBING NOTES

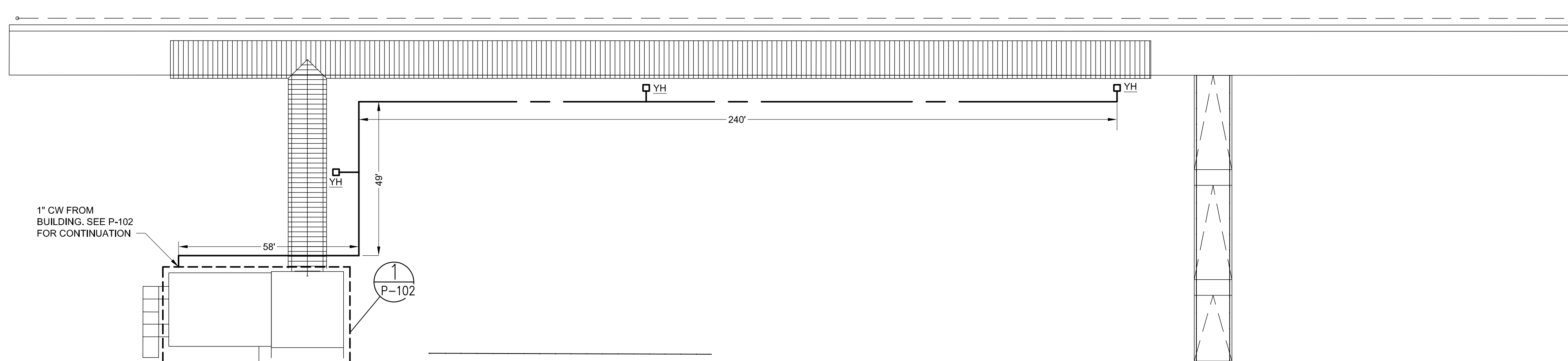
- SERVICE, WASTE & VENT ROUGH-INS INCLUDING FLOOR DRAINS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ROUGH-INS WITH THE ACTUAL EQUIPMENT OR FIXTURES TO BE INSTALLED.
- NO PIPING SHALL BE RUN ABOVE ELECTRICAL PANELS, SWITCHBOARDS OR MOTOR CONTROL CENTERS. MAINTAIN A 3'-6" SPACE IN FRONT OF EQUIPMENT AS TO MAINTAIN SERVICEABILITY.
- PROVIDE STOP VALVES AT ALL PLUMBING FIXTURES. PROVIDE SHUTOFF VALVES AT ALL ITEMS OF EQUIPMENT. PROVIDE MAIN AND BRANCH SHUTOFF VALVES AS INDICATED ON THE DRAWINGS AND AS REQUIRED BY THE INTERNATIONAL PLUMBING CODE.
- PROVIDE CLEANOUTS ON ALL SOIL AND WASTE LINES AT THE BASE OF ALL NEW STACKS AND AT ALL CHANGES OF DIRECTION OF HORIZONTAL RUNS OF PIPING. INSTALL CLEANOUTS AT INTERVALS OF 100'-0" FOR ALL STRAIGHT HORIZONTAL RUNS OF PIPING. CLEANOUTS ON BRANCH PIPING IN CHASES SERVING GROUPS OF FIXTURES SHALL BE INSTALLED 6" ABOVE THE HIGHEST FLOOD LEVEL RIM OF THE HIGHEST FIXTURE CONNECTED TO THE BRANCH.
- PROVIDE DRAIN BIBBS AT ALL LOW POINTS OR TRAPPED SECTIONS OF WATER PIPING.
- VERIFY ACCURACY OF ALL INVERTS AND SET DRAINAGE PIPING TO THE INDICATED INVERTS. WHEN INVERT ELEVATIONS ARE NOT INDICATED HORIZONTAL DRAINAGE PIPING 3" AND LARGER SHALL PITCH 1/8" PER FOOT MINIMUM AND PIPING SMALLER THAN 3" SHALL PITCH AT 1/4" PER FOOT MINIMUM.
- PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER JOINING DISSIMILAR PIPE METALS.
- SEAL ALL WALLS AND FLOORS PENETRATED BY PIPING AS SPECIFIED. PROVIDE ESCUTCHEON PLATES OR WALL PLATES AS SPECIFIED FOR PIPING EXPOSED TO VIEW.
- CONNECT PLUMBING TO EQUIPMENT ITEMS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- ALL WALL HYDRANTS AND HOSE BIBBS SHALL BE A MINIMUM OF 1'-6" ABOVE FINISHED FLOOR, FINAL EXTERIOR GRADES OR PAVEMENTS. PROVIDE AN ACCESSIBLE ISOLATION VALVE NEAR EACH HOSE BIBB AND WALL HYDRANT.
- PROVIDE INSERTS AS SPECIFIED BETWEEN SUPPORT SHIELD AND PIPING, UNDER THE FINISH JACKET FOR PIPING 2" AND LARGER FOR SYSTEMS REQUIRING INSULATION.
- CONTRACTOR SHALL CHECK & VERIFY EXISTING CONDITIONS & DIMENSIONS IN THE BUILDING BEFORE THE START OF ANY NEW WORK.
- RISES AND DROPS: ALL REQUIRED PIPING RISES & DROPS MAY NOT BE SHOWN. PROVIDE ALL RISES AND DROPS AS REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	ELBOW - UP
	ELBOW - DOWN
	BOTTOM TAKE-OFF
	TOP TAKE-OFF
	COLD WATER (CW)
	HOT WATER (HW)
	ABOVE GROUND SANITARY SEWER (SAN)
	BELOW GROUND SANITARY SEWER (SAN)
	SANITARY VENT
	BALL VALVE
	GATE VALVE
	CHECK VALVE
	YARD HYDRANT
	HOSE BIBB OR WALL HYDRANT
	WATER HAMMER ARRESTER
	FLOOR DRAIN W/TRAP GUARD (SIZE AS SHOWN)

TECHNICAL TERMS

DESIGNATION	DESCRIPTION
BFP	BACKFLOW PREVENTER
CW	COLD WATER
EXIST	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HW	HOT WATER
HWR	HOT WATER RETURN
MV	MIXING VALVE
PDI	PLUMBING & DRAINAGE INSTITUTE
RPZ	REDUCED PRESSURE ZONE
SAN	SANITARY
TYP	TYPICAL
VTR	VENT THROUGH ROOF



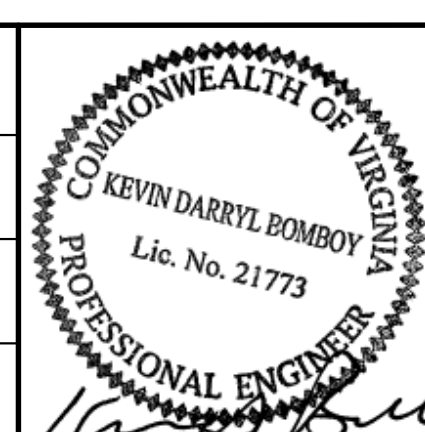
SITE PLAN

SCALE: N.T.S.

1
P-101

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	KJB
		11/21/12			60% SUBMITTAL	KJB
		01/11/13			90% SUBMITTAL	KJB
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	RFS
						DATE: 03/27/13

DESIGNED BY:
KJB
DRAWN BY:
KJB
CHECKED BY:
RFS
DATE:
03/27/13



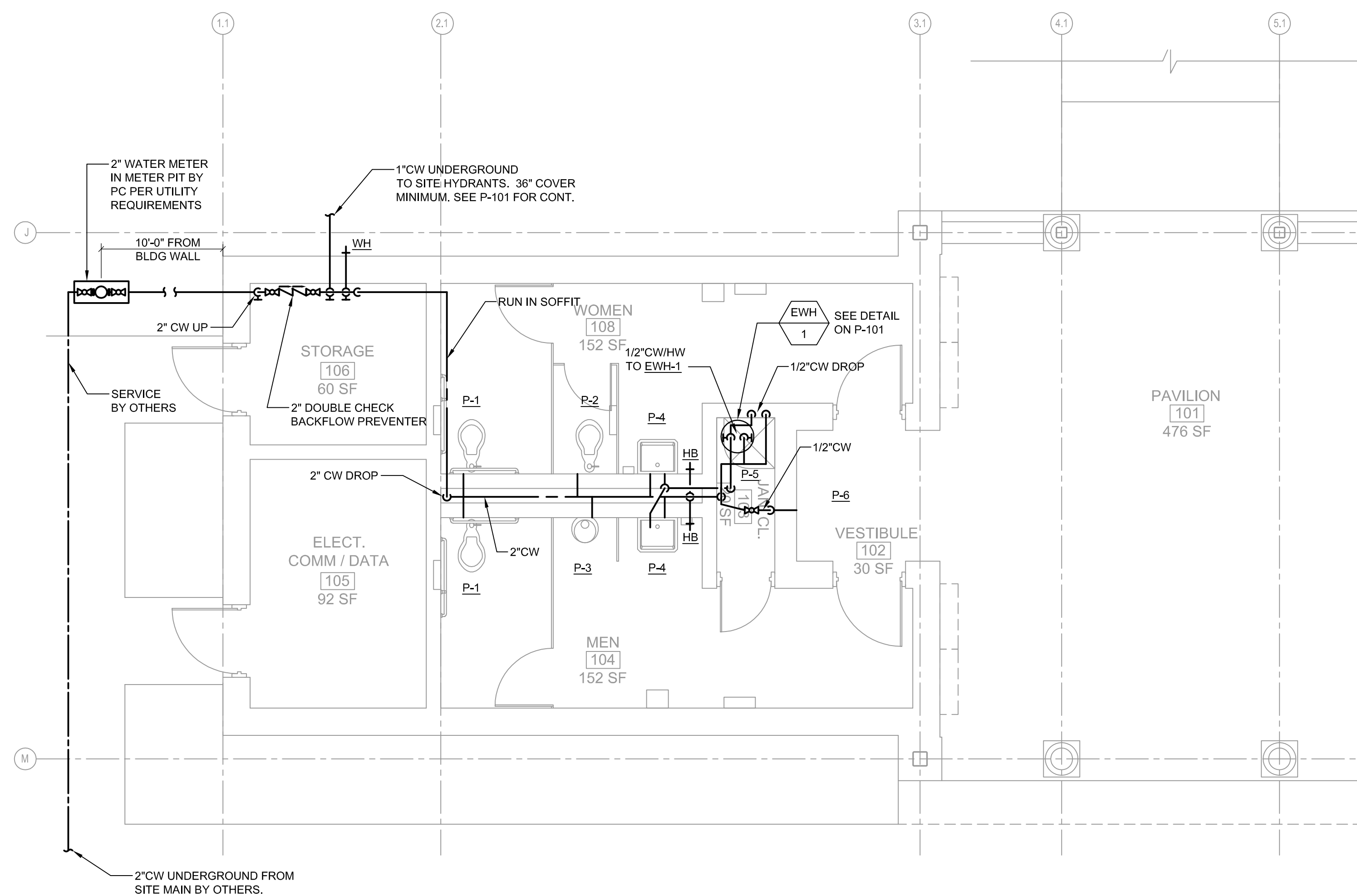
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SPOTSYLVANIA STATION
SCHEDULES, DETAILS, LEGEND, AND SITE PLAN PLUMBING

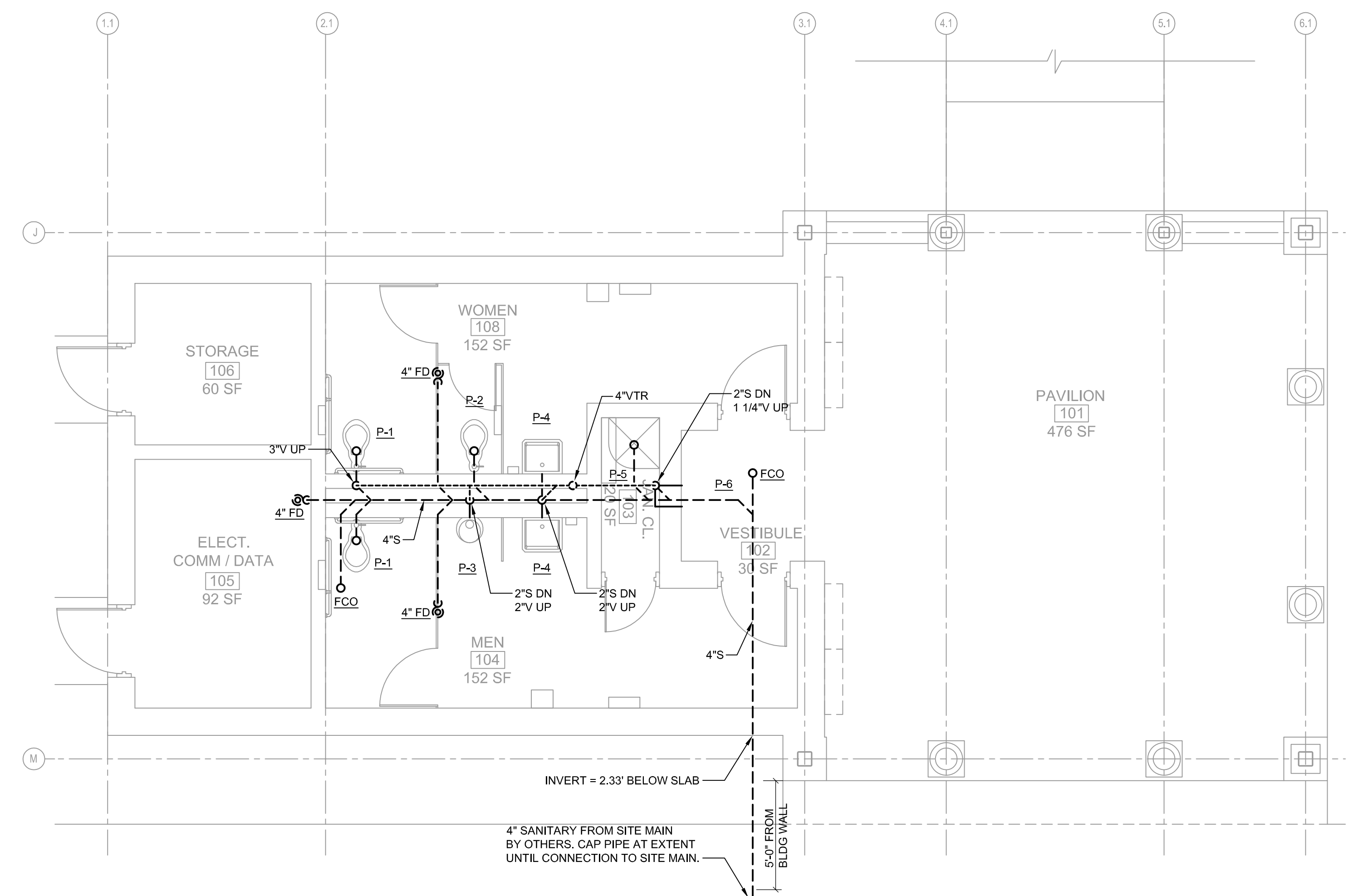
IFB NO:	013-013
DRAWING NO:	P-101
SCALE:	NTS
SHEET NO:	54 OF 66

GENERAL NOTES

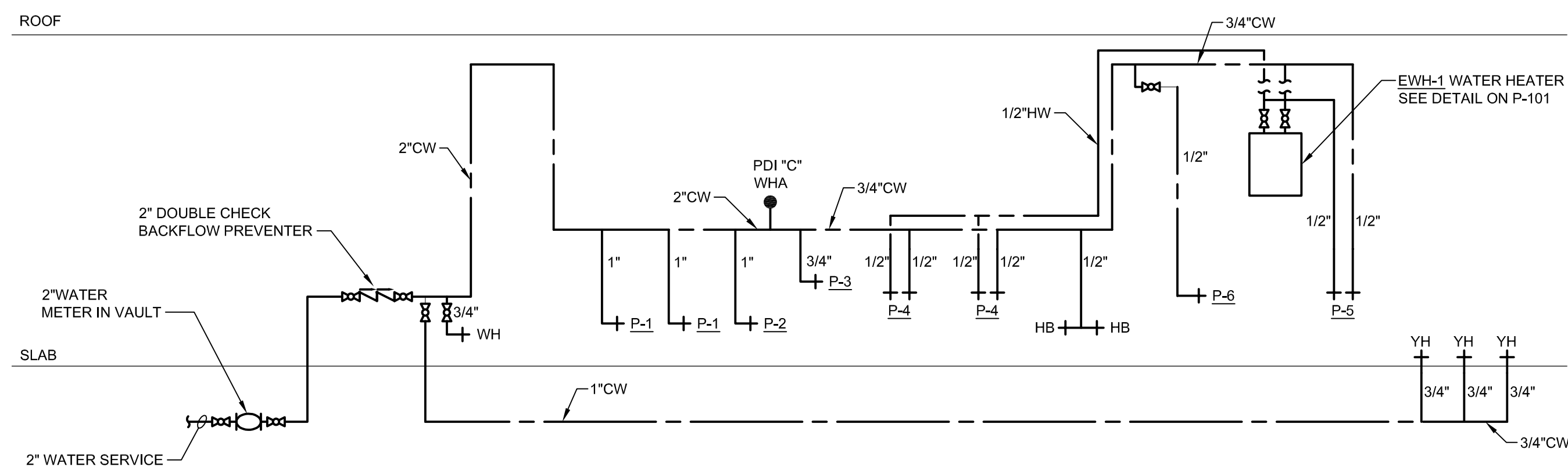
1. REFER TO DRAWING P-101 FOR GENERAL NOTES, SCHEDULES AND DETAILS.
2. FINISHED FLOOR ELEVATION = 0.00'. REFER TO CIVIL PLANS FOR ACTUAL DATUM ELEVATIONS.



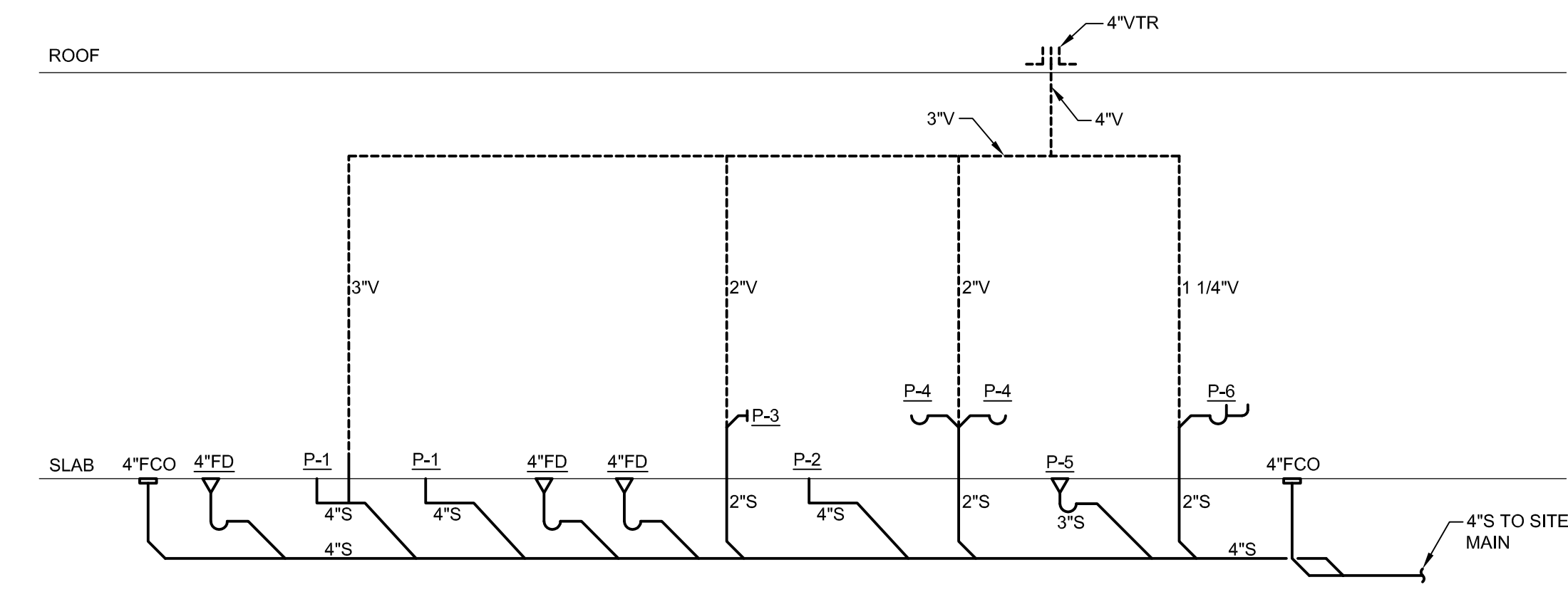
FLOOR PLAN-DOMESTIC WATER 1
P-102



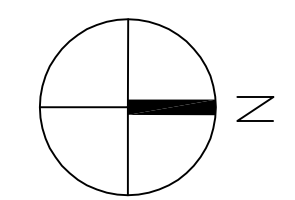
FLOOR PLAN-SANITARY 2
P-102



RISER DIAGRAM - WATER 3
P-102

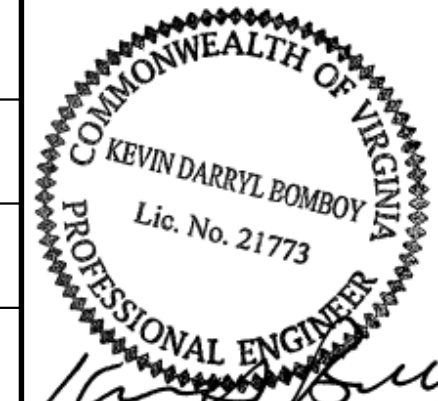


RISER DIAGRAM - SANITARY 4
P-102



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

DESIGNED BY:
KJB
DRAWN BY:
KJB
CHECKED BY:
RFS
DATE:
03/27/13



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SPOTSYLVANIA STATION
HEADHOUSE FLOOR PLAN
PLUMBING

IFB NO:	013-013
DRAWING NO:	P-102
SCALE:	1/4" = 1'-0"
SHEET NO:	55 OF 66

LOUVER SCHEDULE												
MARK	MFR	MODEL NO.	TYPE	BLADE DEPTH	INTAKE/ EXHAUST	MIN. NET FREE AREA (SQ. FT.)	CFM	VELOCITY (FPM)	P.D. (IN. W.G.)	DIMENSIONS	MOUNTING HEIGHT (AFF)	NOTES
LV-1	GREENHECK	EDJ-401	STATIONARY J BLADE ALUMINUM	4"	EXHAUST	1.80	1200	670	0.07"	18'H x 36"W	11'	-
LV-2	GREENHECK	EDJ-401	STATIONARY J BLADE ALUMINUM	4"	INTAKE	1.76	725	400	0.02"	24'H x 24"W	1.0'	1

NOTES:
 1. PROVIDE MOTORIZED INTAKE DAMPER. DAMPER IS TO BE INTERLOCKED WITH EXHAUST FAN F-1 OPERATION.

FAN SCHEDULE											
MARK	MFR	MODEL	TYPE	CFM	RPM	EXTERNAL SP (IN WG)	DRIVE	MOTOR			NOTES
								RPM	WATTS	V/PH/Hz	
F-1	GREENHECK	SP-A900	CEILING FAN	750	950	0.35"	DIRECT	950	285	120/1/60	NOTES 2, 3
F-2	GREENHECK	SP-B150	CEILING FAN	150	1050	0.35"	DIRECT	1050	129	120/1/60	NOTES 1, 3
F-3	GREENHECK	SP-B110	CEILING FAN	75	762	0.35"	DIRECT	762	80	120/1/60	NOTES 1, 3

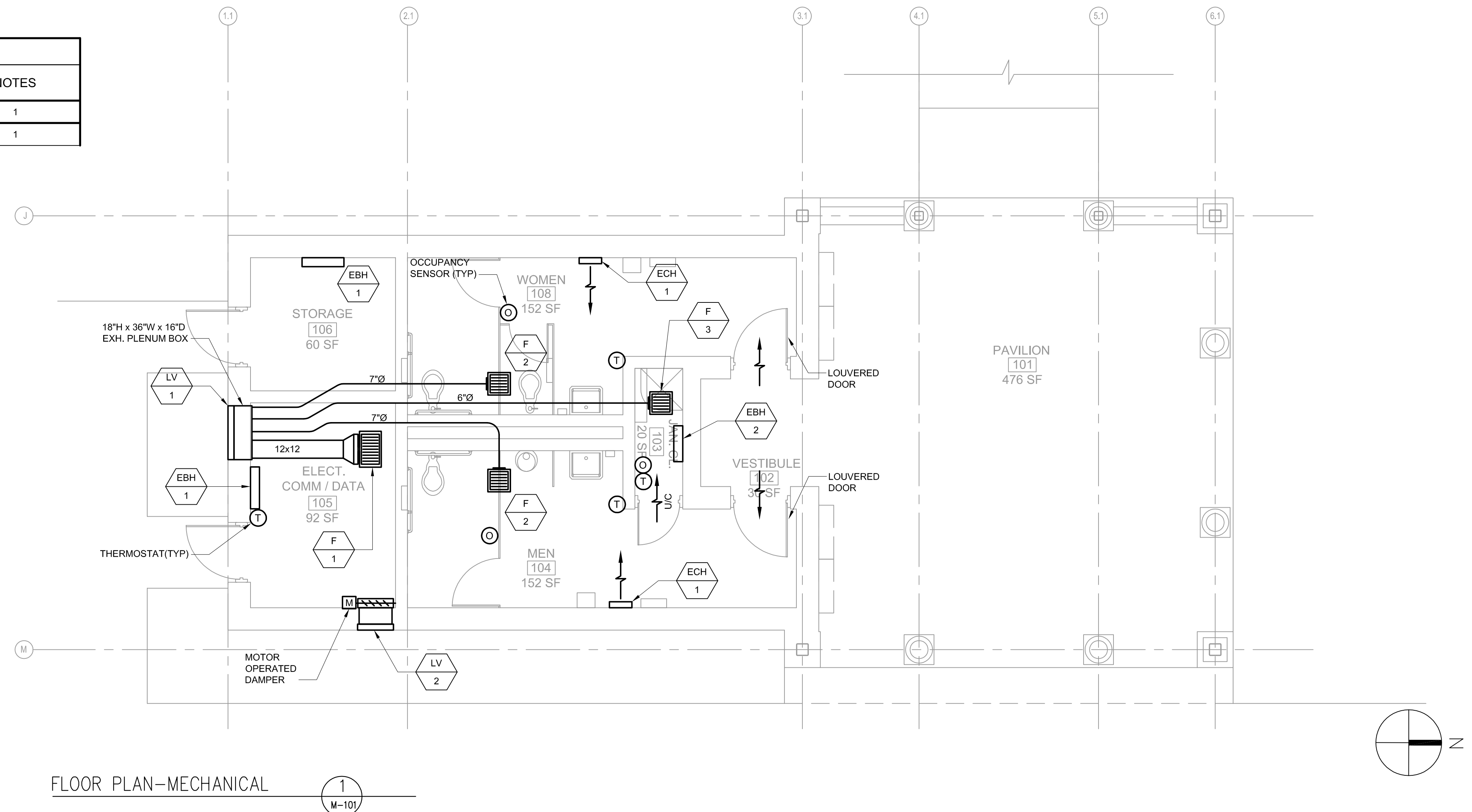
NOTES:
 1. FAN TO BE DUAL-CONTROLLED BY THERMOSTAT SET AT 80 DEG. F. AND OCCUPANCY SENSOR WITH 15 MINUTE OCCUPANCY LAG.
 2. FAN TO BE CONTROLLED BY THERMOSTAT SET AT 80 DEG. F.
 3. UNIT TO INCLUDE SOLID STATE SPEED CONTROLLER MOUNTED IN FAN HOUSING, INTEGRAL BACKDRAFT DAMPER(S), AND MANUFACTURER'S CEILING GRILLE.

ELECTRIC CABINET UNIT HEATER SCHEDULE										
MARK	MFR	MODEL NO.	MBH	CFM	Kw	VOLTS	PHASE	MOUNT TYPE	DIMENSIONS	NOTES
ECH-1	BRASCH	BWH4824	13.6	100	4.8	240	1	SURFACE WALL MOUNT	20"H x 15"W x 4"D	1

NOTES:
 1. PROVIDE HEAVY DUTY UNIT WITH INTEGRAL DISCONNECT SWITCH, INTEGRAL THERMOSTAT, AND VANDALPROOF ENCLOSURE. MOUNT UNIT AT 12" AFF.

ELECTRIC BASEBOARD HEATER SCHEDULE										
MARK	MFR	MODEL NO.	MBH	WATTS	VOLTS	PHASE	MOUNT TYPE	DIMENSIONS	NOTES	
EBH-1	BRASCH	B28-500A	1700	500	120	1	SURFACE MOUNT	6"H x 28"W x 2.5"D	1	
EBH-2	BRASCH	B24-375A	1300	375	120	1	SURFACE MOUNT	6"H x 24"W x 2.5"D	1	

NOTES:
 1. PROVIDE HEAVY DUTY UNIT WITH INTEGRAL DISCONNECT SWITCH, INTEGRAL THERMOSTAT, AND VANDALPROOF ENCLOSURE.



FLOOR PLAN-MECHANICAL
 1
 M-101

GENERAL NOTES

- DUCTWORK AND PIPING SHOWN INDICATES CONNECTION TO EQUIPMENT USED FOR BASIS OF DESIGN. COORDINATE DUCTWORK AND PIPING CONNECTIONS WITH ACTUAL EQUIPMENT PROVIDED.
- COORDINATE SUPPORT SIZES WITH ACTUAL EQUIPMENT PROVIDED.
- CONTRACTOR SHALL INSTALL ALL AUTOMATIC CONTROL DEVICES AS INDICATED ON THESE DRAWINGS AND AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

TECHNICAL TERMS

DESIGNATION	DESCRIPTION
CFM	CUBIC FEET PER MINUTE (AIRFLOW)
EBH	ELECTRIC BASEBOARD HEATER
ECH	ELECTRIC CABINET HEATER
EF	EXHAUST FAN
LV	LOUVER
U/C	UNDERCUT DOOR
R	REGISTER (EXHAUST)

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION HEADHOUSE FLOOR PLAN MECHANICAL	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	KJB					DRAWING NO:	M-101
		11/21/12			60% SUBMITTAL	KJB					SCALE:	1/4" = 1'-0"
		01/11/13			90% SUBMITTAL	KJB					SHEET NO:	56 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:						
						DATE:						
						03/27/13						




























Kevin Darryl Bomboy
 3/27/13

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 Fairfax, Virginia 22031

ELECTRICAL ABBREVIATIONS

AC	ALTERNATING CURRENT	TEL	TELEPHONE
A/C	AIR CONDITIONER	THRU	THROUGH
A, AMP	AMPERE	TSTAT	THERMOSTAT
AF	ABOVE FINISHED FLOOR	TRANSF	TRANSFORMER OR TRANSFER
AIC	AMPERE INTERRUPTING RATING	TYM	TICKET VENDING MACHINE
AL	ALUMINUM	TYP	TYPICAL
ANCH	ANCHOR	UG, UGE	UNDERGROUND ELECTRICAL
APPROX	APPROXIMATE	UT, UGT	UNDERGROUND TELEPHONE
ARCH.	ARCHITECT	V	VOLTS
BLD	BUILDING	VA	VIRGINIA
BKR	CIRCUIT BREAKER	VAC	VOLTS A.C.
BOT.	BOTTOM	VMS	VARIABLE MESSAGE SIGN
C	CONDUIT	W	WIDE OR WIRE
CKT(CIR)	CIRCUIT	W/	WITH
CL	CENTERLINE	W/O	WITHOUT
CO	COMPANY	WP	WEATHERPROOF
COL.	COLUMN	WW	WIREFRAY
COM	COMMUNICATIONS		
CU	COPPER		
CONC	CONCRETE		
CONT	CONTROL OR CONTINUOUS		
CT	CURRENT TRANSFORMER		
DIA	DIAMETER		
DN	DOWN		
DP	DEEP		
E	EXISTING, EMPTY		
EA	EACH		
EC	EMPTY CONDUIT		
ELEC(ELE)	ELECTRICAL		
EMBED	EMBEDMENT DEPTH		
ENCL	ENCLOSURE		
EQUIP	EQUIPMENT		
EXP	EXPANSION		
EXT	EXTERIOR		
FACP	FIRE ALARM CONTROL PANEL		
FIXT.	FIXTURE		
FLA	FULL LOAD AMPS		
FR	FROM		
GALV	GALVANIZED		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER (5 MILLIAMP SENSITIVITY)		
GND	GROUND		
HDSS	HEAVY DUTY SAFETY SWITCH		
HP	HORSEPOWER		
JB	JUNCTION BOX		
KAIC	1000 AIC		
KVA	KILOVOLT-AMPERES		
KW	KILOWATTS		
LED	LIGHT EMITTING DIODE		
LTS	LIGHTS		
LVL	LEVEL		
MECH	MECHANICAL		
MCB	MAIN CIRCUIT BREAKER		
MD	DAMPED MOTOR		
MTD	MOUNTED		
NEC	NATIONAL ELECTRICAL CODE		
NC	NORMALLY CLOSED		
NITE	NIGHT		
NO	NORMALLY OPEN		
NF	NON-FUSED		
NTS	NOT TO SCALE		
OC	OVER CURRENT PROTECTION		
OD	OUTSIDE DIAMETER		
OH, OHE	OVERHEAD ELECTRICAL		
OPN'G	OPENING		
P	POLE OR PHASE		
PL	PLATE		
PNL, PANEL	CIRCUIT BREAKER PANELBOARD		
PRI	PRIMARY VOLTAGE (ABOVE 600 VOLTS)		
PT	PAINT		
PWR	POWER		
RECEPT	RECEPTACLE		
RQ'D	REQUIRED		
RQM'TS	REQUIREMENTS		
SEC	SECONDARY VOLTAGE (600 VOLTS OR LESS)		
SEL	SELECTED		
SPR	STANDARD PRACTICE RECOMMENDATION, SIZE FOR CRUSHED STONE		
SP	SPACE		
SS	STAINLESS STEEL		
STR	STRUCTURE		
SVC	SERVICE		
SURF	SURFACE		
SW	SWITCH		
TRANSF	TRANSFORMER		

ELECTRICAL SYMBOLS

	POINT OF CONNECTION TO DEVICE AND CIRCUIT RUN. IF SIZE NOTED HASH MARKS INDICATE NUMBER OF CONDUCTORS EXCEPT GROUNDS. ARROW HEADS INDICATE NUMBER OF CIRCUITS. SOLID LINE INDICATES WIRING EXPOSED OR CONCEALED ABOVE CEILING. BROKEN LINE INDICATES WIRING BELOW GRADE OR FLOOR SLAB.
	LIGHTING SWITCH, FLUSH OR SURFACE MOUNTED WP INDICATES WEATHERPROOF M INDICATES HORSEPOWER RATED 3 INDICATES THREE WAY
	KEY OPERATED
	LIGHTING SWITCH, SURFACE MOUNTED
	STANDARD RANGE 360 DEGREE SENSOR LOW VOLTAGE CEILING MOUNTED, DUAL TECHNOLOGY
	LIGHT POLE
	PENDANT FIXTURE
	WALL MOUNTED FIXTURE
	CEILING SURFACE MOUNTED OR PENDANT MOUNTED FLUORESCENT LIGHTING FIXTURE. LETTER INDICATES TYPE.
	20 AMP DUPLEX CONVENIENCE RECEPTACLE, FLUSH MOUNTED WP INDICATES WEATHERPROOF. PROVIDE LOCKING COVER FOR WP RECEPTACLE.
	GFCI RECEPTACLE
	DUPLEX RECEPTACLE, SURFACE MOUNTED WP INDICATES WEATHERPROOF. PROVIDE LOCKING COVER FOR WP RECEPTACLE.
	DC DOOR CONTROL / CARD READER
	ELECTRIC MOTOR, HP, VOLTAGE, PHASE AS INDICATED
	HEAVY DUTY SAFETY SWITCH, POLES AND RATING AS NOTED NF- NON FUSED F- FUSED NEMA ENCLOSURE AS NOTED
	MANUAL MOTOR STARTING SWITCH
	JUNCTION OR PULL BOX, UNLESS INDICATED OR SPECIFIED USE TYPE AS REQUIRED BY THE NEC FOR THE APPLICATION
	CONDUIT OR CABLE TURN DOWN
	CONDUIT OR CABLE TURN UP
	LINE VOLTAGE THERMOSTAT WITH THERMOMETER AND MANUAL RANGE ADJUSTMENT
	PHASE
	FIRE ALARM PULL STATION WITH HORN AND STROBE ABOVE
	FIRE ALARM SMOKE DETECTOR
	FIRE ALARM WITH HORN AND STROBE
	DETAIL NUMBER
	DETAIL OR LARGE SCALE PLAN CALLOUT
	SHEET WHERE DETAIL IS FOUND

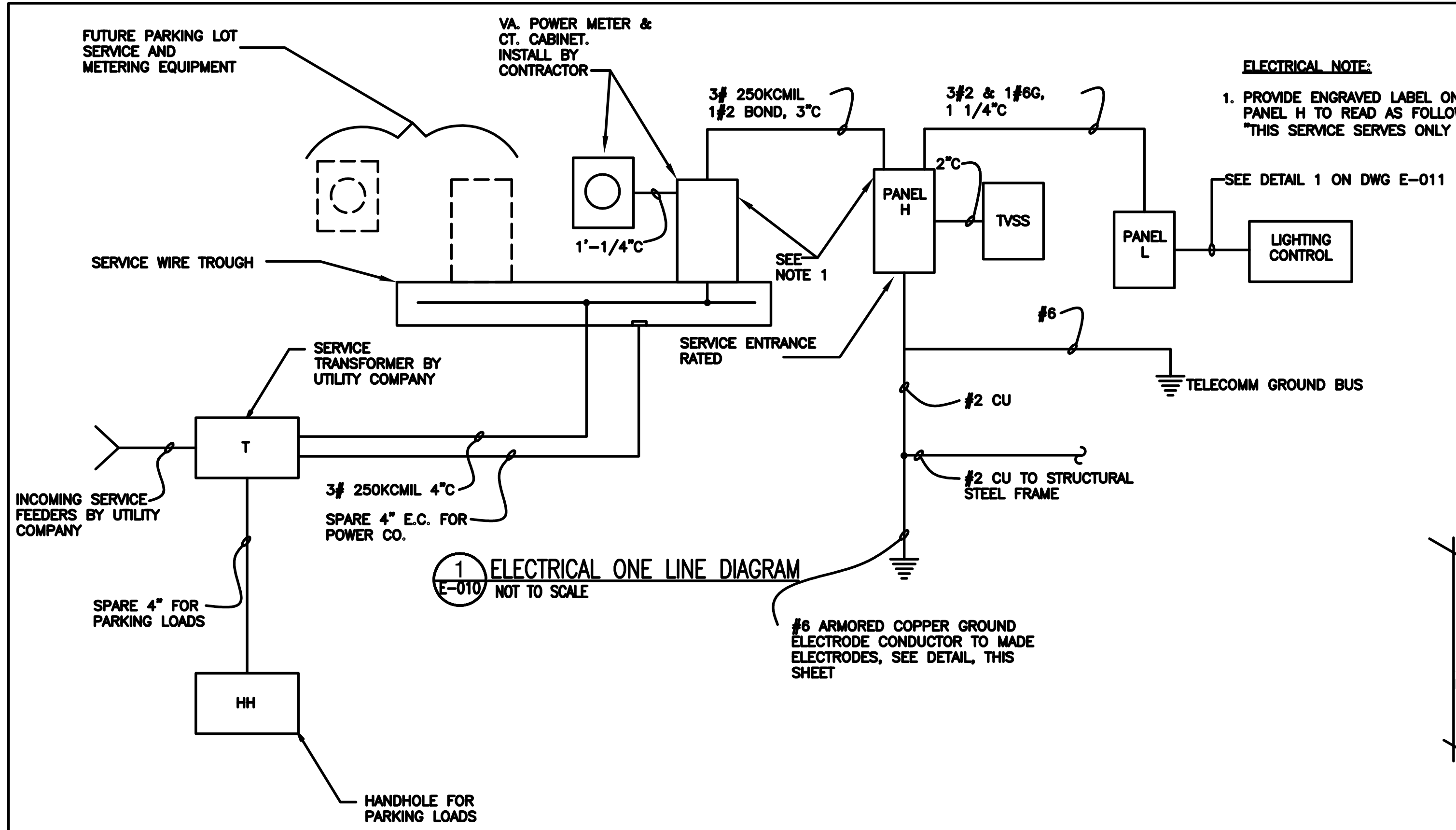
GENERAL ELECTRICAL CONSTRUCTION NOTES

- THE DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENT OF THE ELECTRICAL SYSTEMS
- LOCATIONS OF LINES AND EQUIPMENT SHALL BE DETERMINED FROM ACTUAL FIELD CONDITIONS. THE OUTLINES OF THE CONSTRUCTION SHOWN ON THE ELECTRICAL DRAWINGS ARE INTENDED ONLY AS A GUIDE TO INDICATE RELATIVE LOCATIONS OF THE WORK. REFER TO THE EQUIPMENT SUPPLIER'S INSTALLATION INSTRUCTIONS FOR EXACT LOCATIONS AND ARRANGEMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER RELATION OF HIS WORK TO THE FACILITY STRUCTURES AND TO THE WORK OF OTHER TRADES. NO ADDITIONAL COMPENSATION NOR EXTENSION OF COMPLETION TIME WILL BE GRANTED FOR EXTRA WORK CAUSED BY THE LACK OF COORDINATION.
- DUE TO MINOR DIFFERENCES IN VARIOUS MANUFACTURER'S EQUIPMENT CONNECTIONS THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS INSTALLATION WITH THAT EQUIPMENT ACTUALLY FURNISHED AND SHALL VERIFY THE CORRECT SIZES AND DETAILS OF INSTALLATION BEFORE ROUGHING IN.
- THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH THE GENERAL CONSTRUCTION SUPERINTENDENT REGARDING THE LOCATION OF EQUIPMENT, DOOR SWINGS, BLOCK COURSING, ALIGNMENT OF THIS AND OTHER SIMILAR FEATURES BEFORE ROUGHING IN FOR SWITCHES, RECEPTACLES, THERMOSTATS, AND SIMILAR WIRING DEVICES.
- THE CORRECT NUMBER OF WIRES IS NOT INDICATED FOR MOST BRANCH CIRCUITS, ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM.
- ALL POWER DISTRIBUTION SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE STATE AND LOCAL ORDINANCES.
- UNDERGROUND CONDUITS MAY BE PVC SCHEDULE 40 OR GALVANIZED RIGID STEEL. GALVANIZED RIGID STEEL CONDUIT SHALL BE PAINTED WITH P & B ASPHALTIC PAINT. WHERE PVC CONDUITS ARE USED A GROUNDING CONDUCTOR SHALL BE INSTALLED.

GENERAL NOTES

- SEE DWG. E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES.
- SEE DWG. E-010 FOR ONE-LINE DIAGRAM AND RISER DIAGRAM.
- SEE DWG. E-011 FOR PANEL SCHEDULES AND CONTROL DIAGRAMS.
- SEE DWG. E-100 FOR ELECTRICAL SITE PLAN.
- SEE DWG. E-201 FOR ELECTRICAL STATION PLAN.
- SEE DWG. E-202 FOR ELECTRICAL HEADHOUSE FLOOR PLAN.
- SEE DWG. E-300 FOR ELECTRICAL DETAILS AND LIGHTING SCHEDULE.

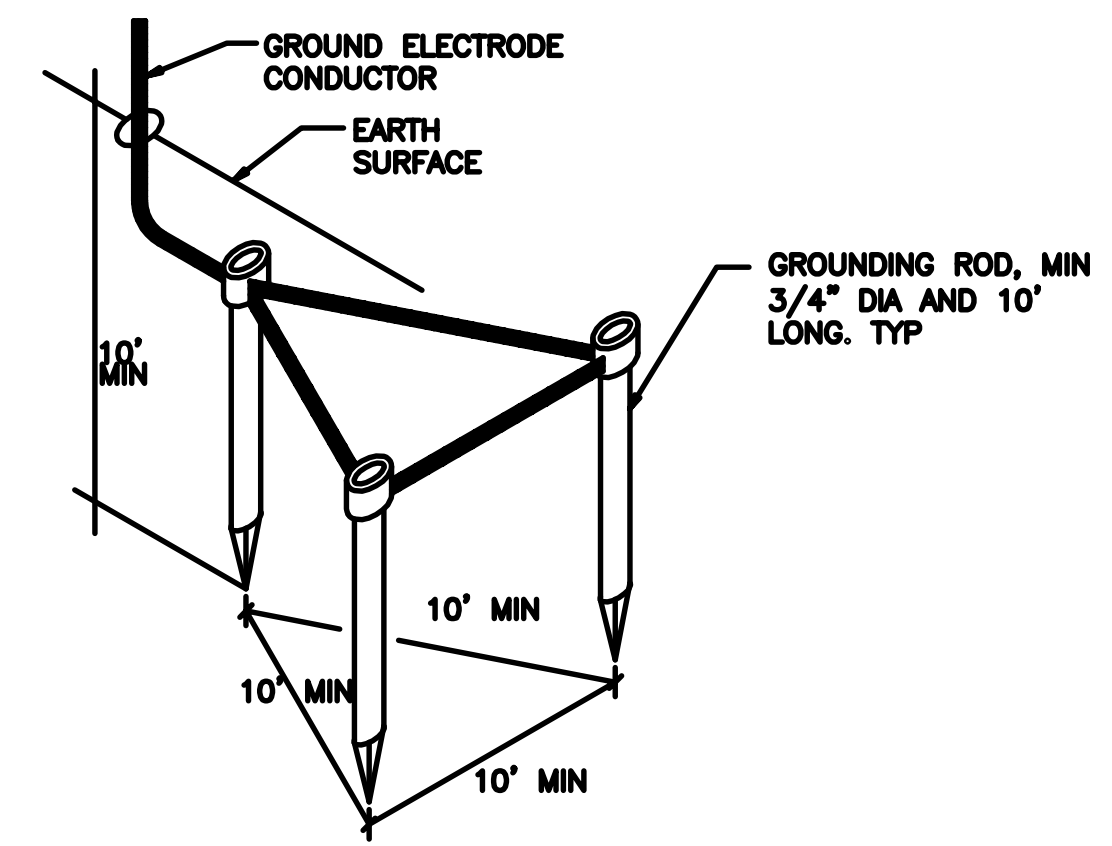
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:	T.G.				STV Incorporated 2722 Merrilee Drive, Suite 350 Fairfax, Virginia 22031	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	DRAWN BY:	L.W.					DRAWING NO:	E-001
		11/21/12			60% SUBMITTAL	CHECKED BY:	F.T.					SCALE:	NONE
APPROVED BY COUNTY		01/11/13			90% SUBMITTAL	DATE:	03/27/13					SHEET NO:	57 OF 66
		03/27/13			ISSUE FOR BID								



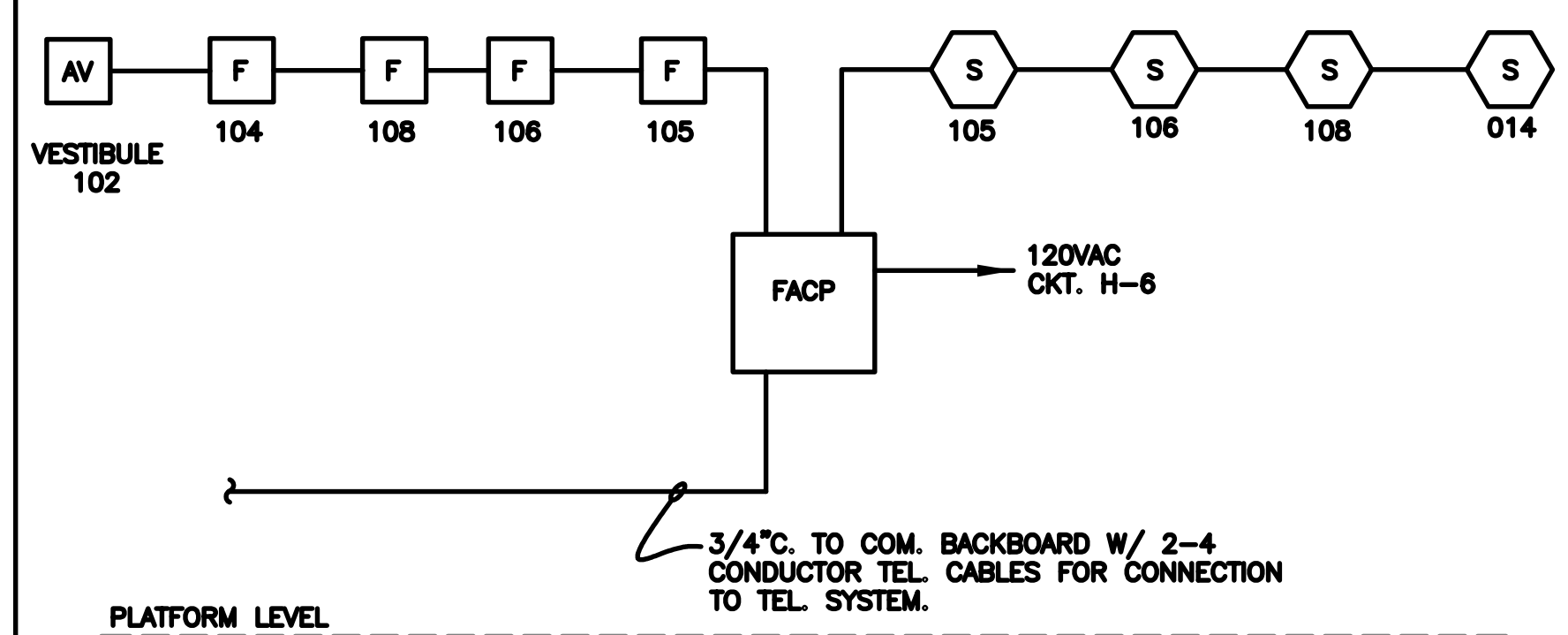
1 ELECTRICAL ONE LINE DIAGRAM
E-010 NOT TO SCALE

ELECTRICAL NOTE:
1. PROVIDE ENGRAVED LABEL ON CT CABINET AND PANEL H TO READ AS FOLLOWS:
"THIS SERVICE SERVES ONLY THE HEADHOUSE AND STATION."

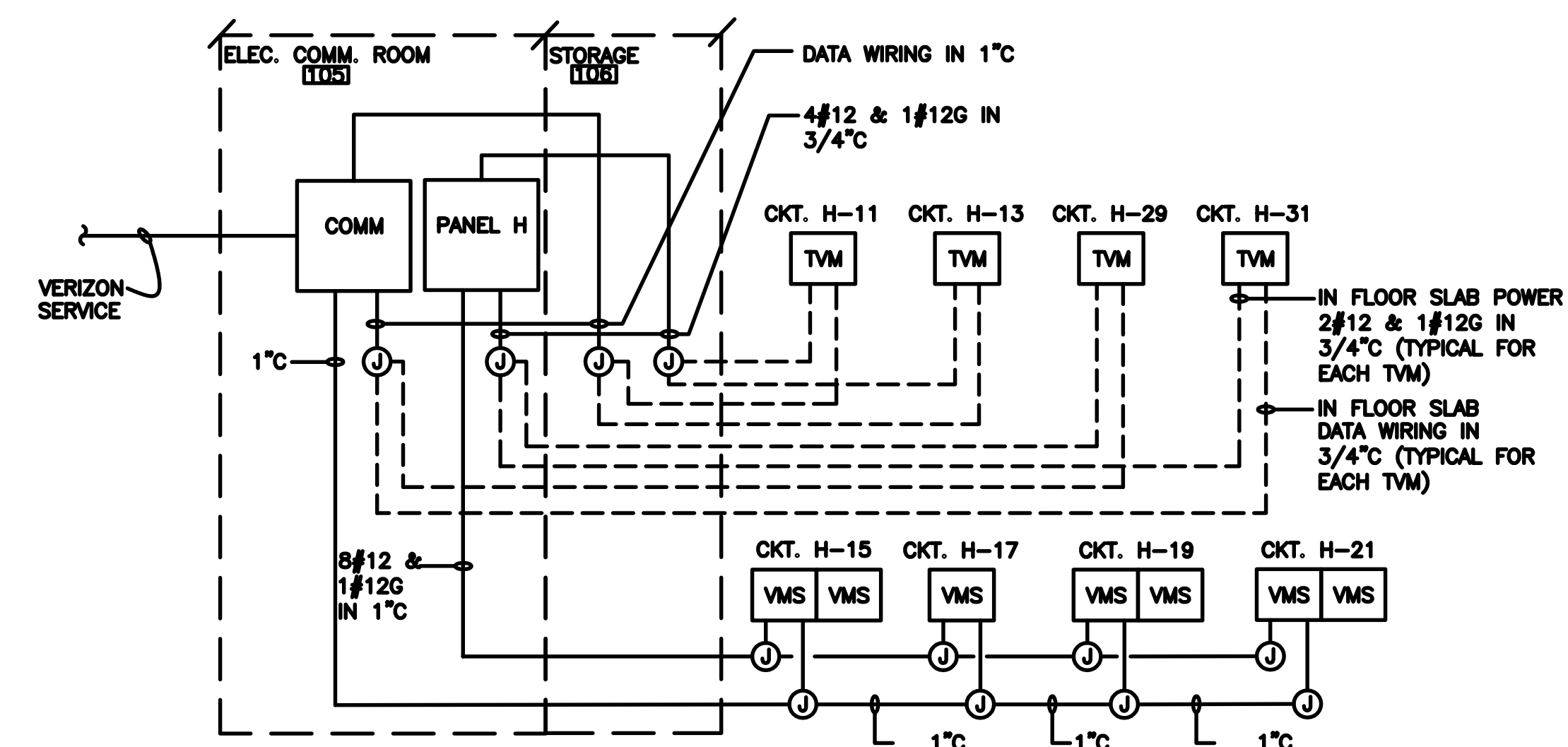
- GENERAL NOTES**
1. SEE DWG. E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES.
 2. SEE DWG. E-010 FOR ONE-LINE DIAGRAM AND RISER DIAGRAM.
 3. SEE DWG. E-011 FOR PANEL SCHEDULES AND CONTROL DIAGRAMS.
 4. SEE DWG. E-100 FOR ELECTRICAL SITE PLAN.
 5. SEE DWG. E-201 FOR ELECTRICAL STATION PLAN.
 6. SEE DWG. E-202 FOR ELECTRICAL HEADHOUSE FLOOR PLAN.
 7. SEE DWG. E-300 FOR ELECTRICAL DETAILS AND LIGHTING SCHEDULE.



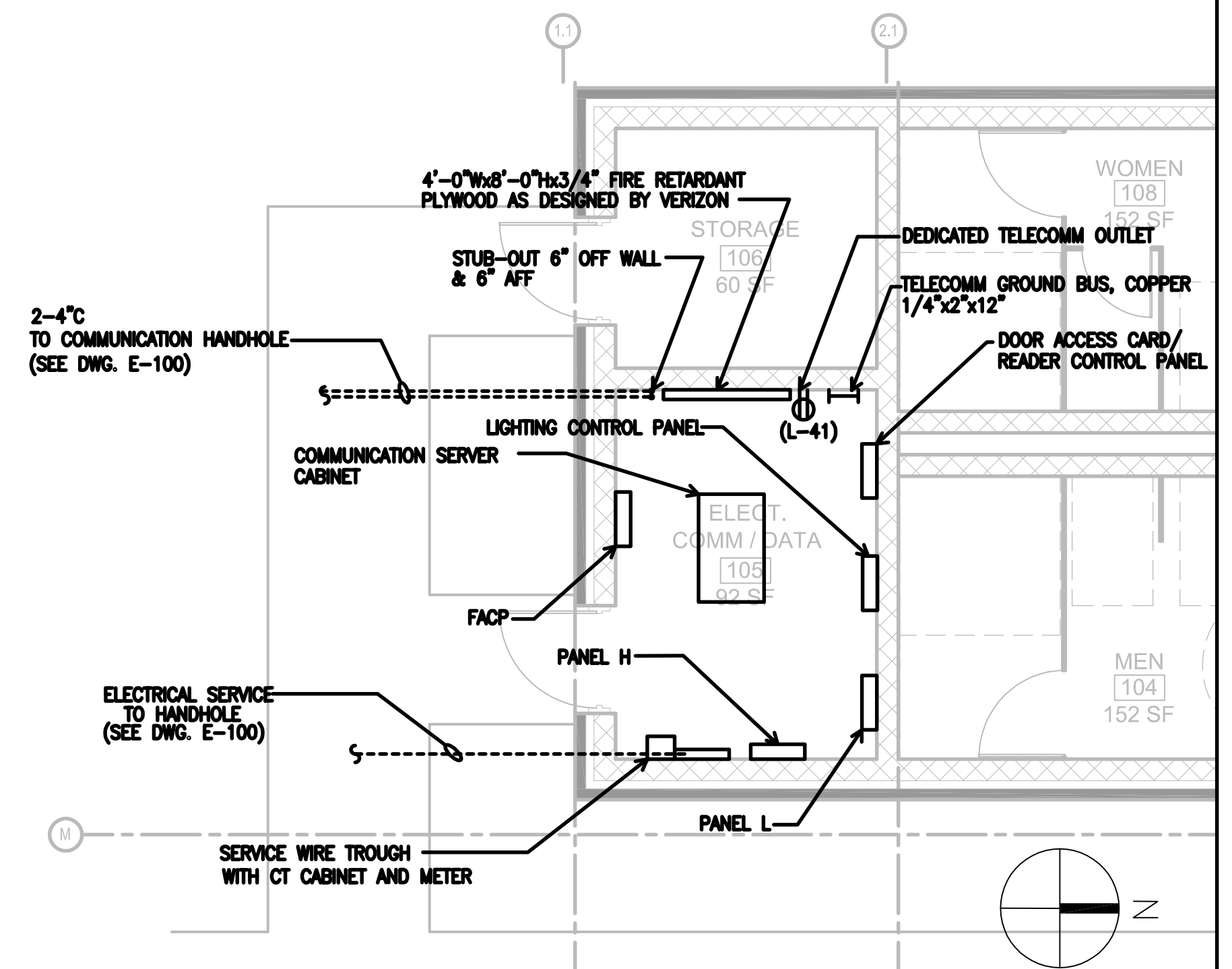
2 DETAIL GROUNDING ELECTRODE
E-010 NOT TO SCALE



3 FIRE ALARM RISER DIAGRAM
E-010 NOT TO SCALE



4 TVM AND VMS RISER DIAGRAM
E-010 NOT TO SCALE

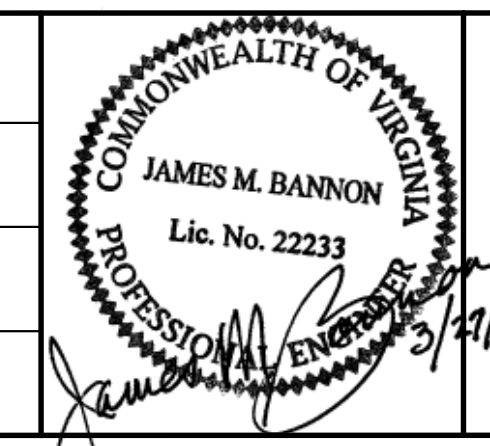


5 ELECTRICAL ROOM-105
E-010 EQUIPMENT LAYOUT
SCALE: 1/4"=1'-0"



NOTE: SMOKE DETECTORS SHALL BE LOW AMBIENT TYPE SUITABLE FOR USE IN BELOW 32F ENVIRONMENT, APOLLO FIRE PROTECTION "ORBIS" DETECTOR OR EQUAL.

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	T.G.
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	L.W.
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						F.T.
						DATE:
						03/27/13



STV Incorporated
2722 Merrilee Drive, Suite 350
Fairfax, Virginia 22031

SPOTSYLVANIA STATION
ONE LINE DIAGRAM AND RISER DIAGRAM

IFB NO:	013-013
DRAWING NO:	E-010
SCALE:	AS NOTED
SHEET NO:	58 OF 66

PANELBOARD NO: VRE-SPOTSYLVANIA PANEL "H"														
SECTION: ONE MOUNTING: SURFACE				VOLTAGE: 240/120 PHASE: 1 WIRE: 3				BUS: 225A MAIN: 200/2 MCB INTERRUPTING RATING: 10KAIC						
LOCATION: HEADHOUSE - ELECTRICAL ROOM 100% NEUTRAL														
CKT NO.	DESCRIPTION	LOAD (KVA)				CIRCUIT BREAKER		LOAD (KVA)				DESCRIPTION	CKT NO.	
		LTS	REC	MECH	MISC	AMPS	POLES	LTS	REC	MECH	MISC			
1	CABINET AC POWER			0.885		20	1					0.36	RECEPTACLES HEADHOUSE	2
3	CABINET STRIP OUTLET			1.5		20	1					0.36	RECEPTACLES HEADHOUSE	4
5	RECEPTACLE NEMA 5-20R					20	1							6
7	RECEPTACLE NEMA 5-20R					20	1							8
9	CABINET UPS BATTERY				1.44	20	1					4.5	EBH-1	10
11	TVM			0.5		20	1							12
13	TVM			0.5		20	1					4.8	EBH-1	14
15	VMS			0.7		20	1							16
17	VMS			0.35		20	1					4.8	EBH-1	18
19	VMS			0.7		20	1					0.285	F-1	20
21	VMS			0.7		20	1					0.250	P-1, P-2, P-3	22
23	BLDG. EXT. REC.			0.4		20	1					0.129	F-2	24
25	PLATFORM EXT. REC.			0.4		20	1					0.129	F-2	26
27	LV-1, LV-2			0.72		20	1					0.08	F-3	28
29	TVM			0.5		20	1					0.5	EBH-1	30
31	TVM			0.5		20	1					0.5	EBH-1	32
33	GFI RECEPTACLE NEMA 5-20R			0.36		20	1					0.375	EBH-2	34
35	MISC. LOAD			0.2		20	1						SPARE	36
37	MISC. LOAD			0.2		20	1						SPARE	38
39	CABINET AC POWER			0.885		20	1						LIGHTING PANEL PANEL "L"	40
41	TELECOMM OUTLET			0.8		20	1			100	2	4.77		42
43	SPARE					20	1						SPARE	44
45	SPARE					20	1						SPARE	46
47	SPARE					20	1						SPARE	48
49	SPARE					20	1						SPARE	50
51	SPARE					20	1						SPARE	52
53	SPARE					20	1						SPARE	54

PANELBOARD NO: VRE-SPOTSYLVANIA PANEL "L"														
SECTION: ONE MOUNTING: SURFACE				VOLTAGE: 240/120 PHASE: 1 WIRE: 3				BUS: 100A MAIN: 100/2 MCB INTERRUPTING RATING: 10KAIC						
LOCATION: HEADHOUSE - ELECTRICAL ROOM 100% NEUTRAL														
CKT NO.	DESCRIPTION	LOAD (KVA)				CIRCUIT BREAKER		LOAD (KVA)				DESCRIPTION	CKT NO.	
		LTS	REC	MECH	MISC	AMPS	POLES	LTS	REC	MECH	MISC			
1	CANOPY LIGHTS	0.45				20	1					0.375	POLE LIGHTS	2
3	CANOPY LIGHTS	0.375				20	1					0.375	POLE LIGHTS	4
5	CANOPY LIGHTS	0.375				20	1					0.3	POLE LIGHTS	6
7	CANOPY LIGHTS	0.375				20	1					0.194	WALL MOUNTED LIGHTS	8
9	CANOPY LIGHTS	0.375				20	1						SPARE	10
11	CANOPY LIGHTS	0.45				20	1					0.32	LIGHTS HEADHOUSE	12
13	CANOPY LIGHTS	0.375				20	1					0.131	LIGHTS HEADHOUSE	14
15	POLE LIGHTS	0.3				20	1						SPARE	16
17	POLE LIGHTS	0.3				20	1						SPARE	18
19	SPARE					20	1						SPARE	20
21	SPARE					20	1						SPARE	22
23	SPARE					20	1					0.3	MISC. LOAD	24

- GENERAL NOTES**
- SEE DWG. E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES.
 - SEE DWG. E-010 FOR ONE-LINE DIAGRAM AND RISER DIAGRAM.
 - SEE DWG. E-011 FOR PANEL SCHEDULES AND CONTROL DIAGRAMS.
 - SEE DWG. E-100 FOR ELECTRICAL SITE PLAN.
 - SEE DWG. E-201 FOR ELECTRICAL STATION PLAN.
 - SEE DWG. E-202 FOR ELECTRICAL HEADHOUSE FLOOR PLAN.
 - SEE DWG. E-300 FOR ELECTRICAL DETAILS AND LIGHTING SCHEDULE.

PANELBOARD NO:

SUBTOTAL CONNECTED KVA	3.375			1.995			SUBTOTAL CONNECTED KVA
				5.37			TOTAL CONNECTED KVA

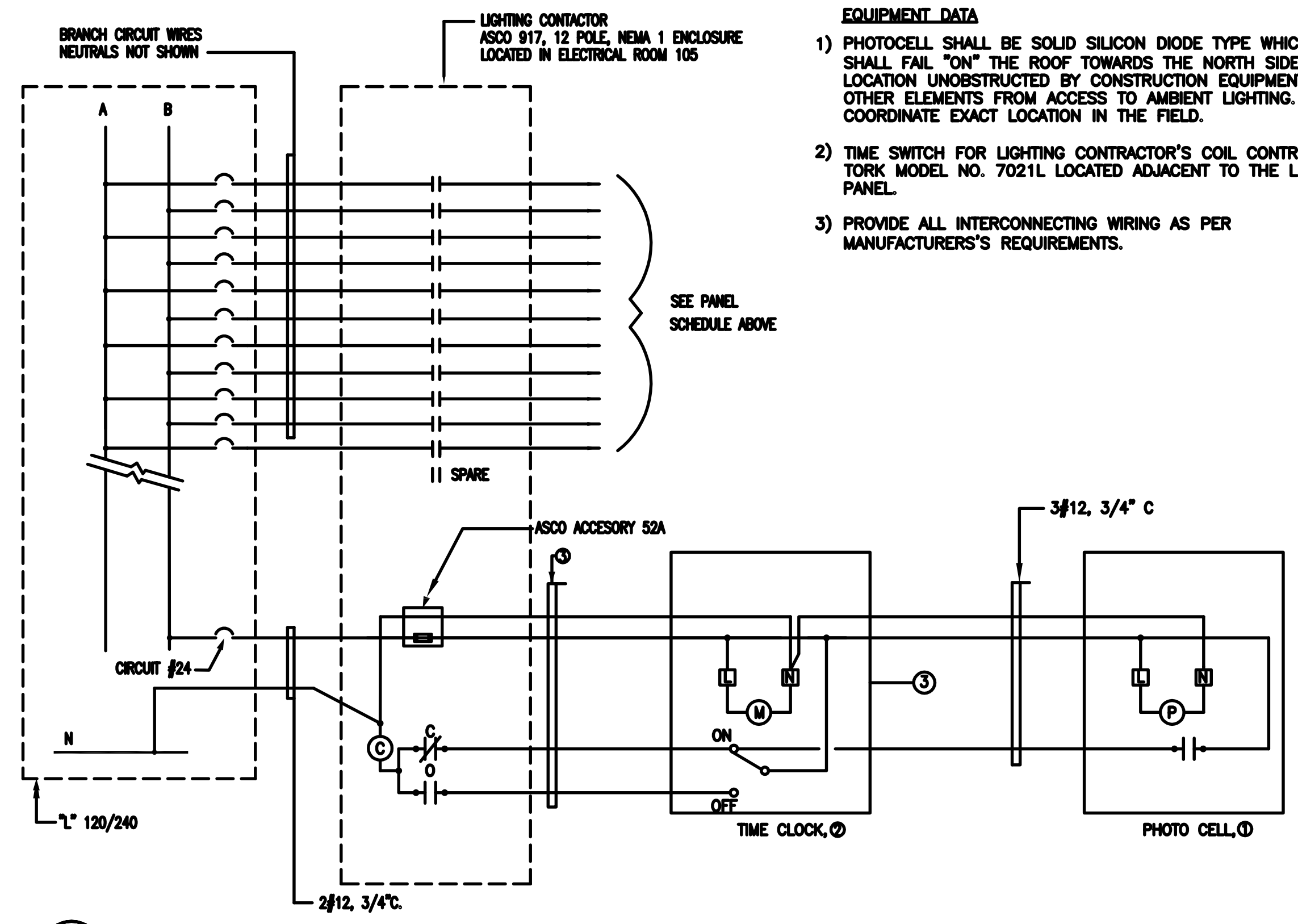
PHASE BALANCE							LOAD SUMMARY						
	LTS	REC	MECH	MISC	TOTAL	% DIF	LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL
PHASE A CONNECTED VA							5.37				5.37		
PHASE B CONNECTED VA													
AVERAGE PHASE CONNECTED KVA													

NOTE 1 - 100% OF FIRST 10 KVA + 80% REMAINING

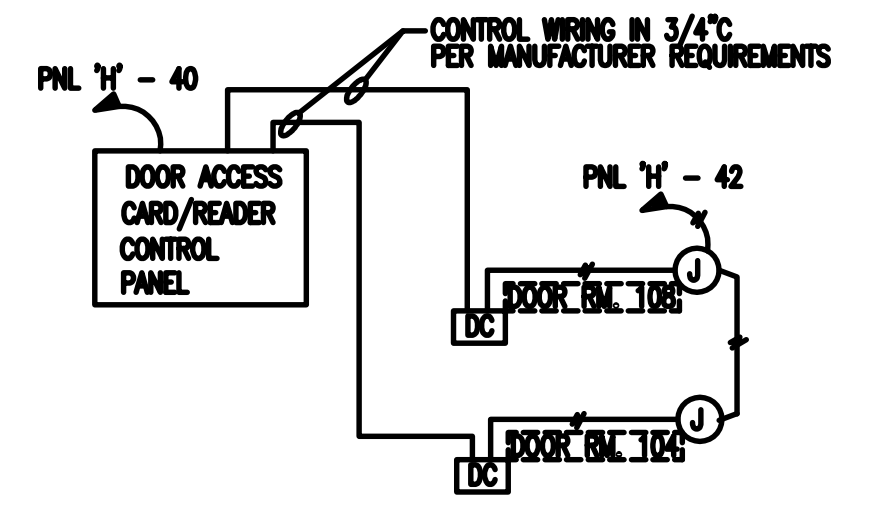
SUBTOTAL CONNECTED KVA	2.48	9.85	5.37	0.72	11.598	4.75	SUBTOTAL CONNECTED KVA
			5.37	0.72	14.088	14.6	TOTAL CONNECTED KVA

PHASE BALANCE							LOAD SUMMARY						
	LTS	REC	MECH	MISC	TOTAL	% DIF	LTS	REC	MECH	MISC	SUBTOT	SPARE	TOTAL
PHASE A CONNECTED VA							5.37	0.72	14.088	14.6	34.178		
PHASE B CONNECTED VA													
AVERAGE PHASE CONNECTED KVA													

NOTE 1 - 100% OF FIRST 10 KVA + 80% REMAINING



- EQUIPMENT DATA**
- PHOTOCELL SHALL BE SOLID SILICON DIODE TYPE WHICH SHALL FAIL "ON" THE ROOF TOWARDS THE NORTH SIDE AT A LOCATION UNOBSTRUCTED BY CONSTRUCTION EQUIPMENT OR OTHER ELEMENTS FROM ACCESS TO AMBIENT LIGHTING. COORDINATE EXACT LOCATION IN THE FIELD.
 - TIME SWITCH FOR LIGHTING CONTRACTOR'S COIL CONTROL TORK MODEL NO. 7021L LOCATED ADJACENT TO THE LIGHTING PANEL.
 - PROVIDE ALL INTERCONNECTING WIRING AS PER MANUFACTURERS'S REQUIREMENTS.



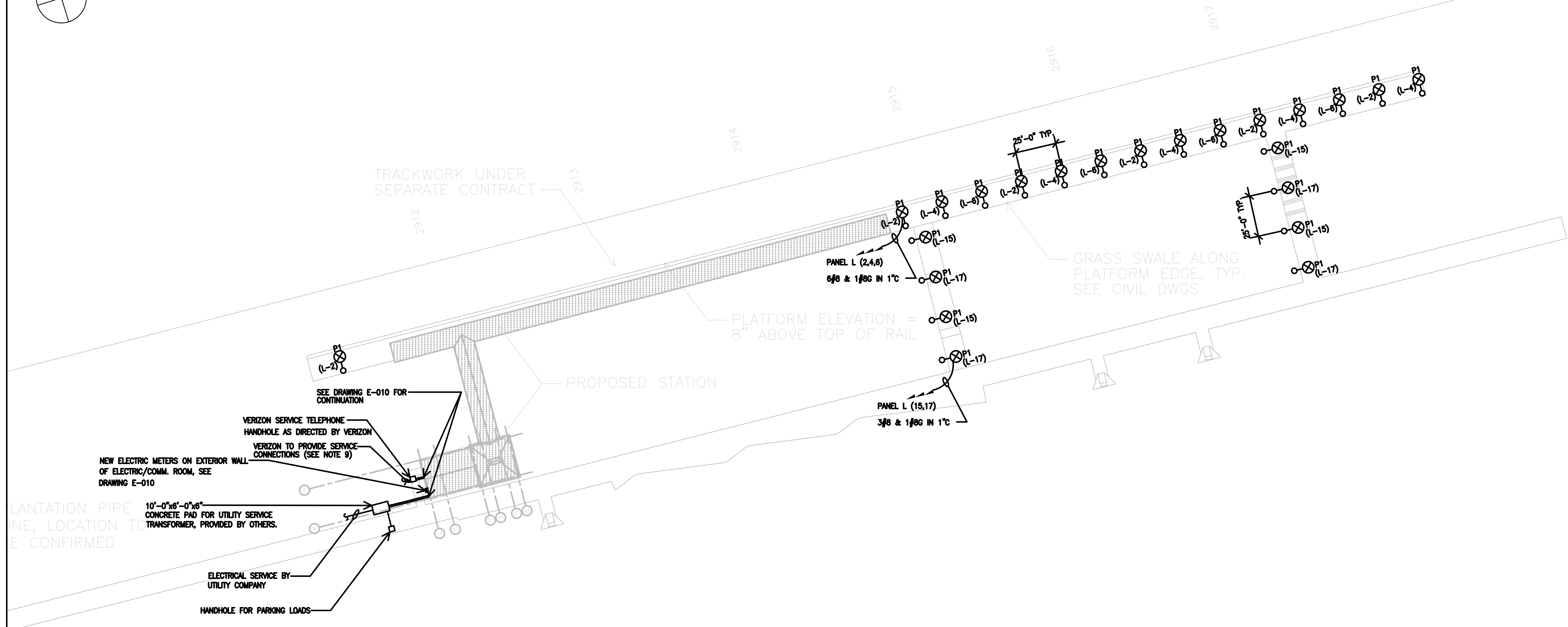
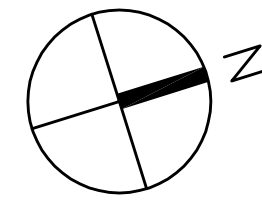
1 LIGHTING CONTROL DIAGRAM
E-011 NOT TO SCALE

2 DOOR ACCESS CONTROL BLOCK DIAGRAM
E-011 NOT TO SCALE

APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION PANEL SCHEDULES & CONTROL DIAGRAMS	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	T.G.					DRAWING NO:	E-011
		11/21/12			60% SUBMITTAL	L.W.					SCALE:	AS NOTED
		01/11/13			90% SUBMITTAL	F.T.					SHEET NO:	59 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:						
						DATE:						
						03/27/13						

GENERAL NOTES

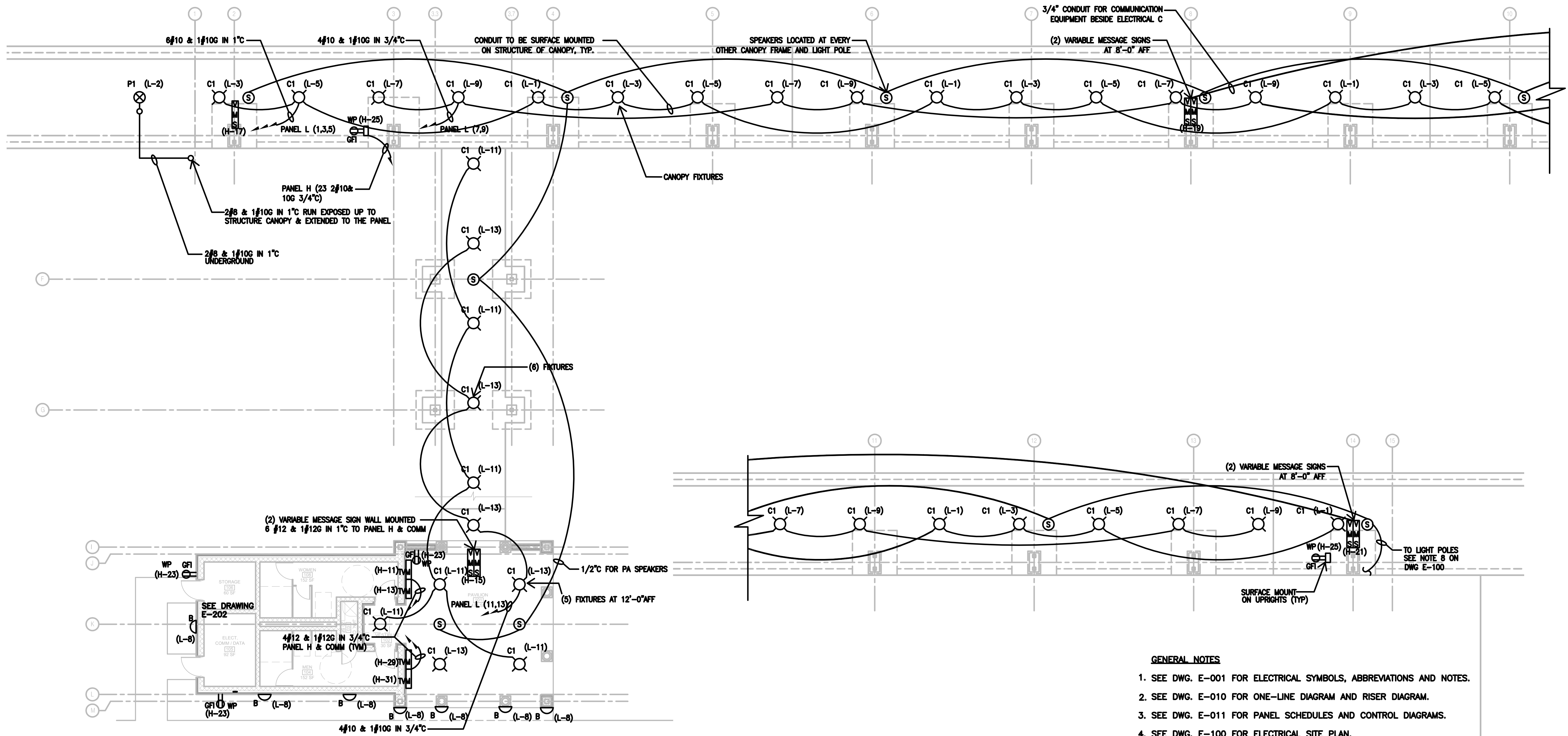
1. SEE DWG. E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES.
2. SEE DWG. E-010 FOR ONE-LINE DIAGRAM AND RISER DIAGRAM.
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4. SEE DWG. E-100 FOR ELECTRICAL SITE PLAN.
5. SEE DWG. E-201 FOR ELECTRICAL STATION PLAN.
6. SEE DWG. E-202 FOR ELECTRICAL HEADHOUSE FLOOR PLAN.
7. SEE DWG. E-300 FOR ELECTRICAL DETAILS AND LIGHTING SCHEDULE.
8. PROVIDE 1/2" C FOR PA SPEAKERS MOUNTED AT EVERY OTHER LIGHT POLE.
9. COORDINATE ALL REQUIREMENTS WITH VERIZON.



1 ELECTRICAL SITE PLAN
 E-100 1/32"=1'-0" 0 16' 32' 64'

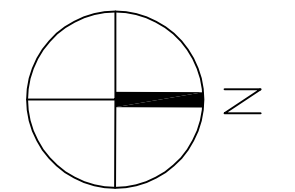
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION ELECTRICAL SITE PLAN	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	T.G.					DRAWING NO:	E-100
		11/21/12			60% SUBMITTAL	L.W.					SCALE:	1/32" = 1'-0"
		01/11/13			90% SUBMITTAL	F.T.					SHEET NO:	60 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:						
						DATE:						
						03/27/13						

2722 Merrilee Drive, Suite 350
 Fairfax, Virginia 22031

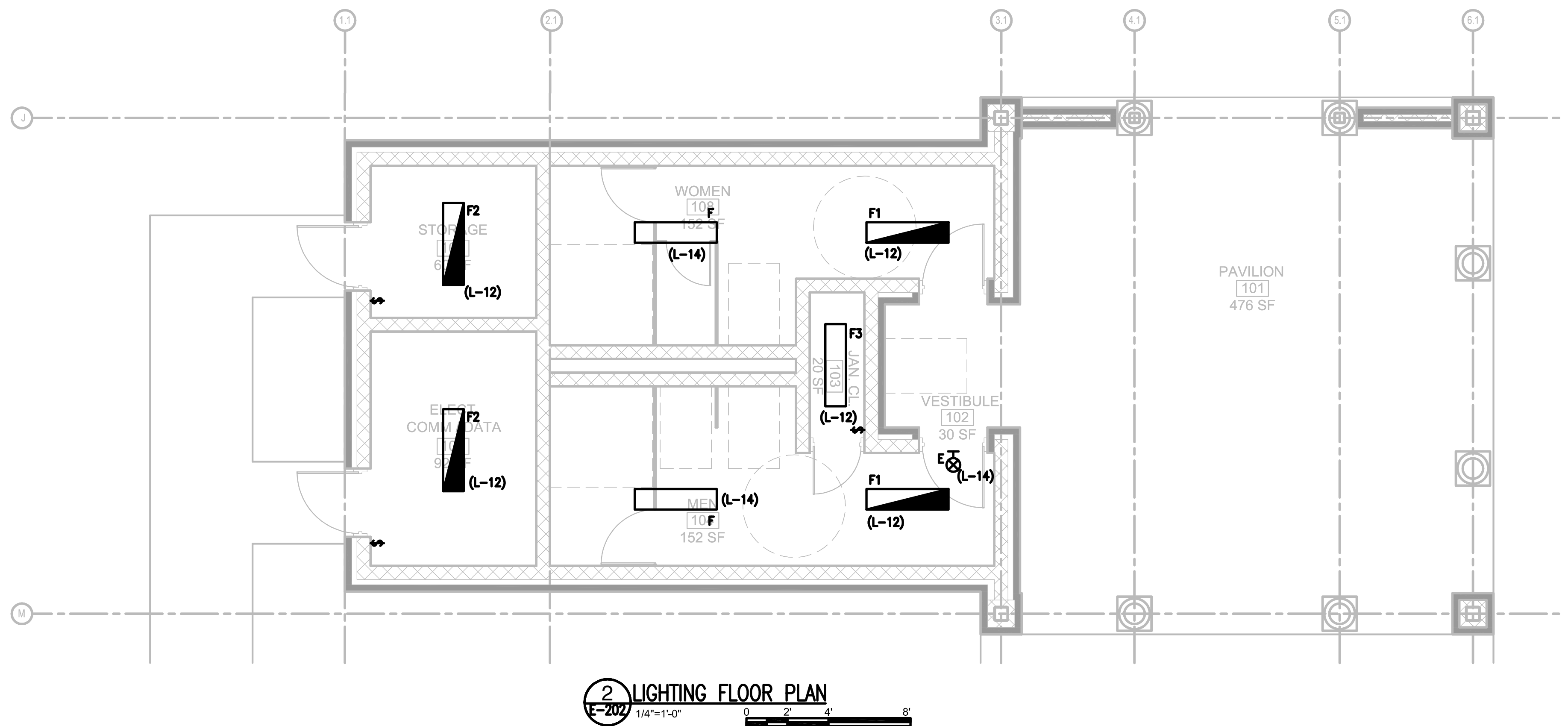
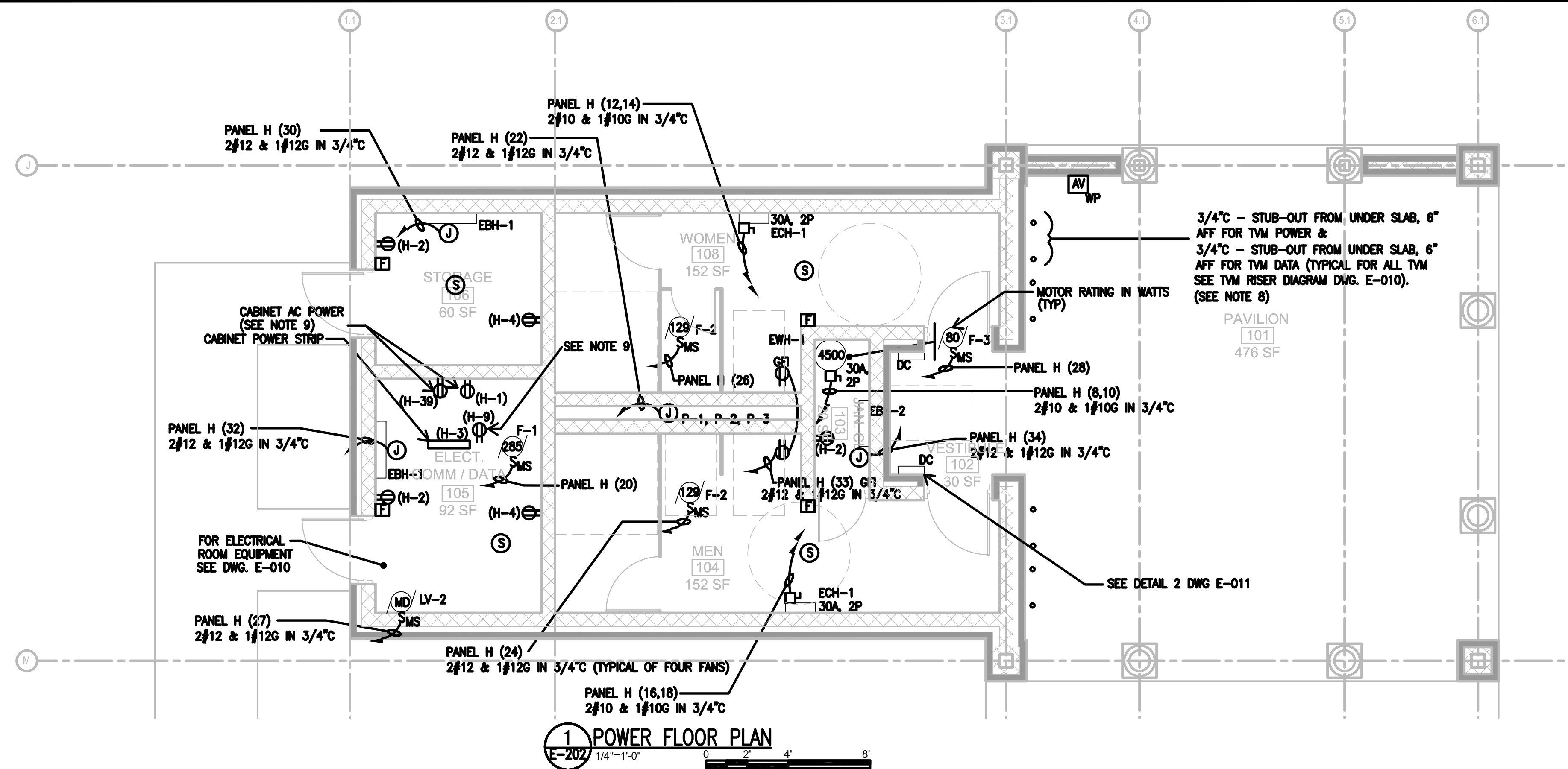


1 ELECTRICAL STATION PLAN
 E-201 1/8"=1'-0" 0 4' 8' 16'

- GENERAL NOTES**
1. SEE DWG. E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES.
 2. SEE DWG. E-010 FOR ONE-LINE DIAGRAM AND RISER DIAGRAM.
 3. SEE DWG. E-011 FOR PANEL SCHEDULES AND CONTROL DIAGRAMS.
 4. SEE DWG. E-100 FOR ELECTRICAL SITE PLAN.
 5. SEE DWG. E-201 FOR ELECTRICAL STATION PLAN.
 6. SEE DWG. E-202 FOR ELECTRICAL HEADHOUSE FLOOR PLAN.
 7. SEE DWG. E-300 FOR ELECTRICAL DETAILS AND LIGHTING SCHEDULE.
 8. FOR EXACT LOCATION OF LIGHTS REFER TO ARCHITECTURAL DRAWINGS.



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION ELECTRICAL STATION PLAN	IFB NO:			
		10/11/12			30% SUBMITTAL	T.G.								013-013
		11/21/12			60% SUBMITTAL	L.W.								DRAWING NO: E-201
		01/11/13			90% SUBMITTAL	F.T.								SCALE: 1/8" = 1'-0"
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	F.T.					SHEET NO: 61 OF 66			
						DATE: 03/27/13								

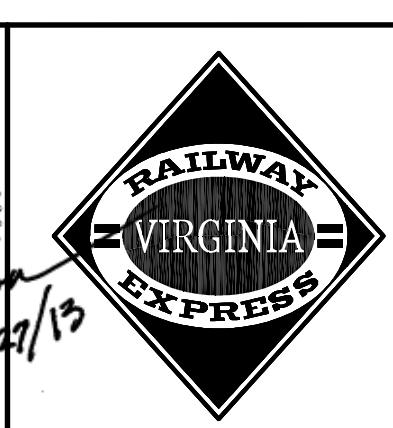
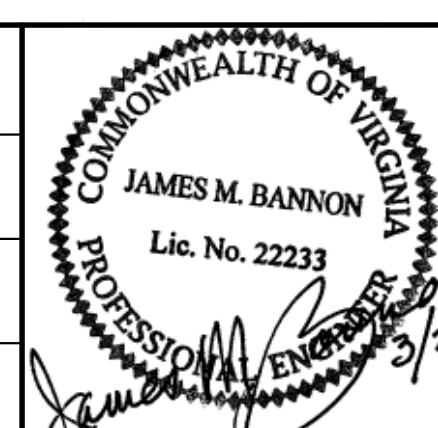


GENERAL NOTES

1. SEE DWG. E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES.
2. SEE DWG. E-010 FOR ONE-LINE DIAGRAM AND RISER DIAGRAM.
3. SEE DWG. E-011 FOR PANEL SCHEDULES AND CONTROL DIAGRAMS.
4. SEE DWG. E-100 FOR ELECTRICAL SITE PLAN.
5. SEE DWG. E-201 FOR ELECTRICAL STATION PLAN.
6. SEE DWG. E-202 FOR ELECTRICAL HEADHOUSE FLOOR PLAN.
7. SEE DWG. E-300 FOR ELECTRICAL DETAILS AND LIGHTING SCHEDULE.
8. COORDINATE ALL STUB LOCATIONS WITH EQUIPMENT SUPPLIER AND FINAL LOCATION DETERMINED IN FIELD.
9. COORDINATE FINAL LOCATION AND NEMA CONFIGURATION WITH EQUIPMENT SUPPLIER.

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	T.G.
		11/21/12			60% SUBMITTAL	DRAWN BY:
		01/11/13			90% SUBMITTAL	L.W.
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:
						F.T.
						DATE:
						03/27/13

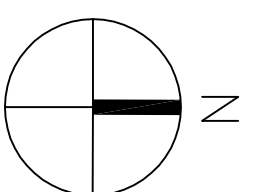
DESIGNED BY:
T.G.
DRAWN BY:
L.W.
CHECKED BY:
F.T.
DATE:
03/27/13



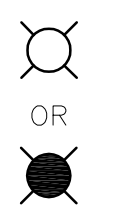
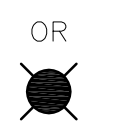
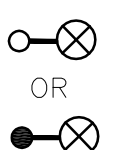
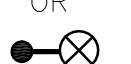


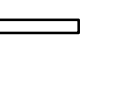



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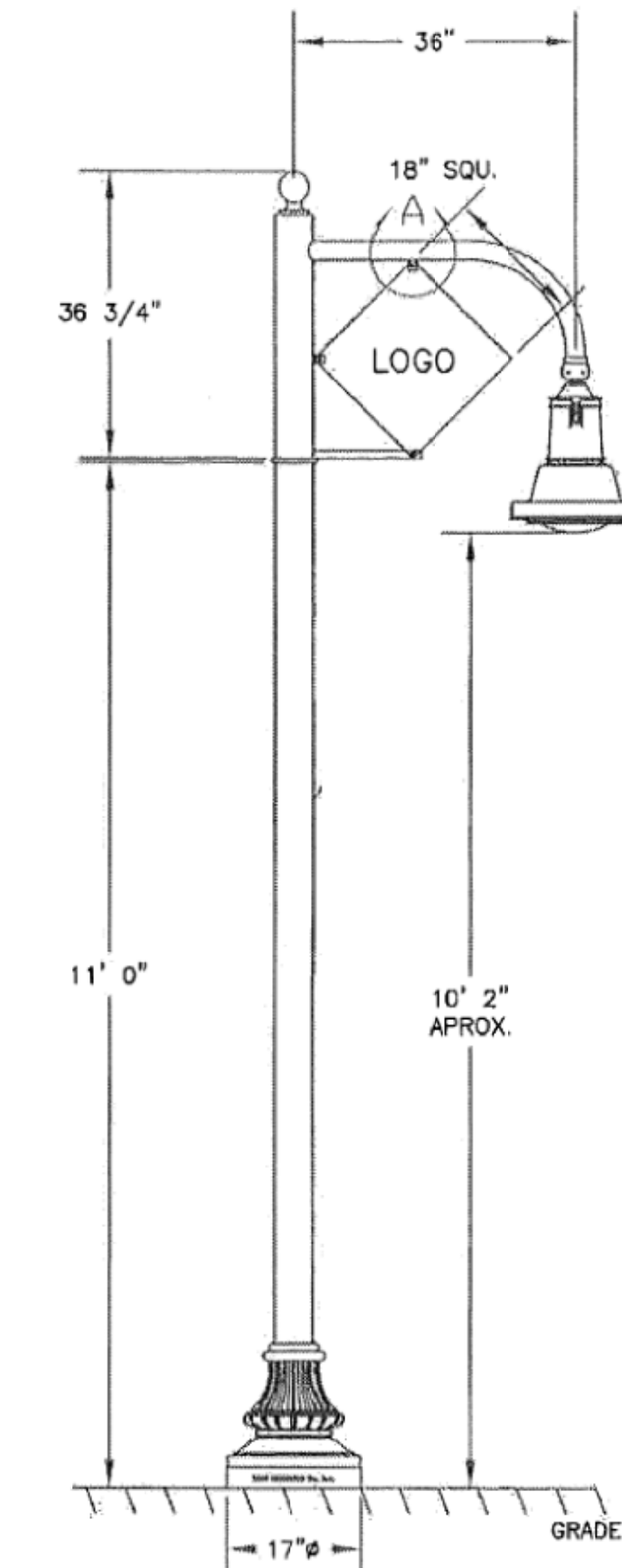
SPOTSYLVANIA STATION
ELECTRICAL HEADHOUSE FLOOR PLAN

IFB NO:	013-013
DRAWING NO:	E-202
SCALE:	1/4" = 1'-0"
SHEET NO:	62 OF 66



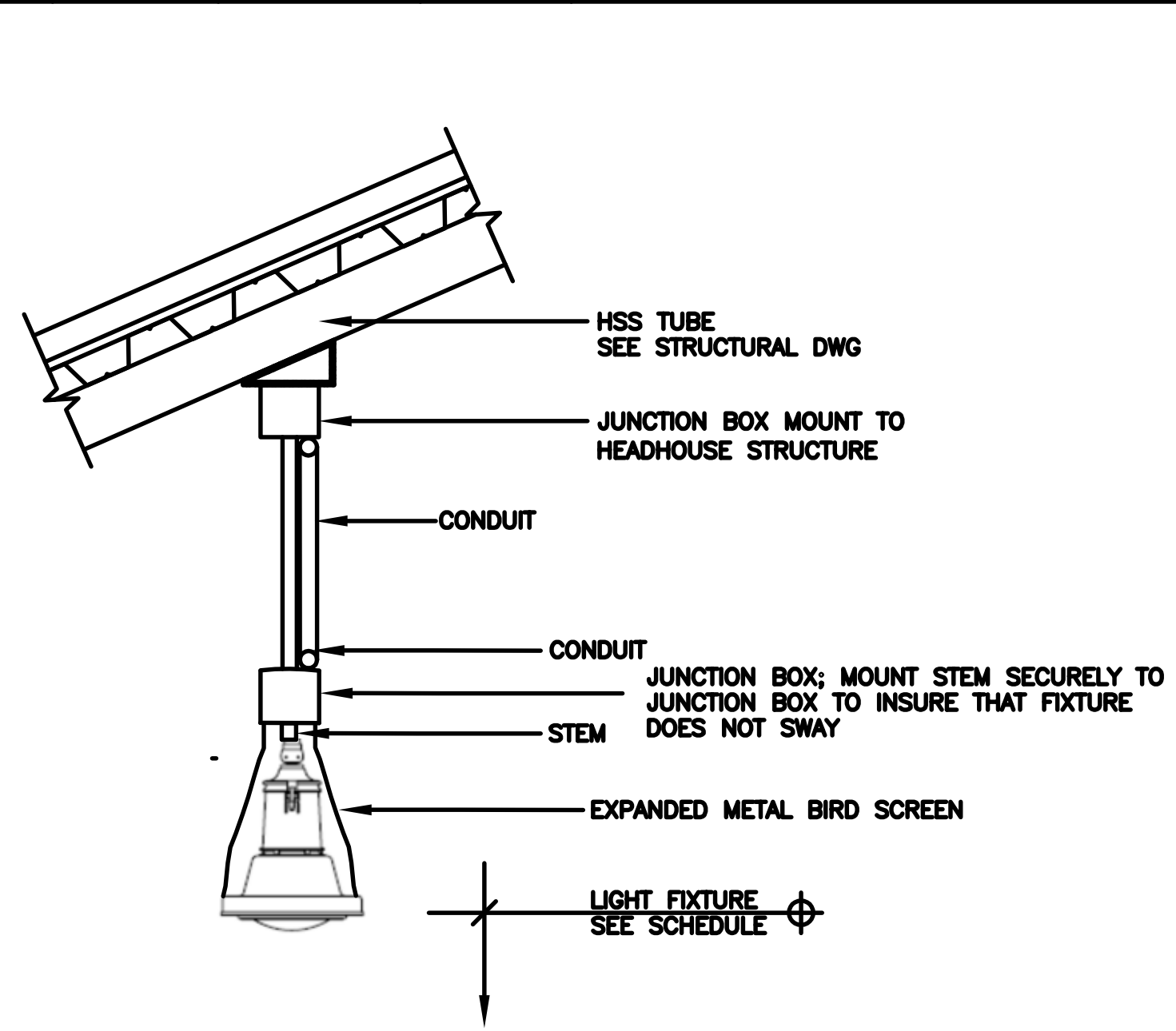
LIGHTING SCHEDULE

LABEL	SYMBOL	LAMP	NOMINAL MT. HT.	DESCRIPTION	LUMINAIRE MANUFACTURER/MODEL NO.	MOUNTING ARM MANUFACTURER/MODEL NO.	POLE MFG/MODEL NO.	NOTES
C1	 OR 	75 W LED	9'-2" AFF 12'-0"	PENDANT MOUNTED LUMINAIRE WITH SAG LENS, 120 VOLT SINGLE PHASE OPERATION, SOLID STATE LIGHTING WITH TEXTURED BLACK POWDERCOAT FINISH AT HEADHOUSE	STRESSCRETE GROUP 8000 SERIES CAT. NO. K805-FASA-III-75 (SSL)-8000-120-KPL10 BLACK, 120 VOLT (OR APPROVED EQUAL)	N/A	N/A	MOUNT FIXTURE AT 9'-2" ABOVE FINISHED GROUND UNLESS OTHERWISE NOTED. 12'-0" AT HEADHOUSE
P1	 OR 	75 W LED	10'-2" AFF	POLE MOUNTED LUMINAIRE WITH SAG LENS, 120 VOLT SINGLE PHASE OPERATION, SOLID STATE LIGHTING WITH TEXTURED BLACK POWDERCOAT FINISH	STRESSCRETE GROUP 8000 SERIES CAT. NO. K705-FASA-III-75 (SSL)-5000-120-KPL10 BLACK, 120 VOLT (OR APPROVED EQUAL)	KA-T-1	KS882-A-10	MOUNT FIXTURE AT 10'-0" ABOVE GROUND
B		47W LED	8'-6" AFF	WALL MOUNTED 120V SINGLE PHASE OPERATION 120 VOLT SINGLE PHASE OPERATION, SOLID STATE LIGHTING WITH TEXTURED BLACK POWDERCOAT FINISH	LITHONIA OR EQUAL	WSR LED BBW	N/A	WALL MOUNTED HEADHOUSE
E		3W LED	TOP MTD	HIGH IMPACT THERMAL PLASTIC HOUSING, ENERGY EFFICIENT 120V LED EXIT SIGN WITH INTEGRATED LED EMERGENCY LIGHT BAR, RED LETTERS, WHITE HOUSING.	LITHONIA			WALL, PENDANT OR ARM MOUNT AS INDICATED, OR REQUIRED FOR THE LOCATION.
F		2-32W T8 FLUORESCENT	SURF MTD	4' SURFACE CEILING MOUNT FLUORESCENT 120V, FLAT-BOTTOM ACRYLIC PRISMATIC DIFFUSER, INJECTION-MOLDED LUMINOUS ENDS	LITHONIA, OR EQUAL	2AW	N/A	TOILETS
F1		2-32W T8 FLUORESCENT	SURF MTD	SAME AS ABOVE EXCEPT EMERGENCY BATTERY PACK	LITHONIA, OR EQUAL	2AW-EL	N/A	TOILETS
F2		2-32W T8 FLUORESCENT	8'-6" AFF	4' PENDANT MOUNTED FLUORESCENT, 120V GENERAL PURPOSE STRIP WITH EMERGENCY BATTERY PACK	LITHONIA, OR EQUAL	C2-EL	N/A	STORAGE/ELECT. ROOM
F3		2-32W T8 FLUORESCENT	8'-6" AFF	SAME AS ABOVE EXCEPT NO EMERGENCY BATTERY PACK	LITHONIA, OR EQUAL	C2	N/A	JANITOR CLOSET

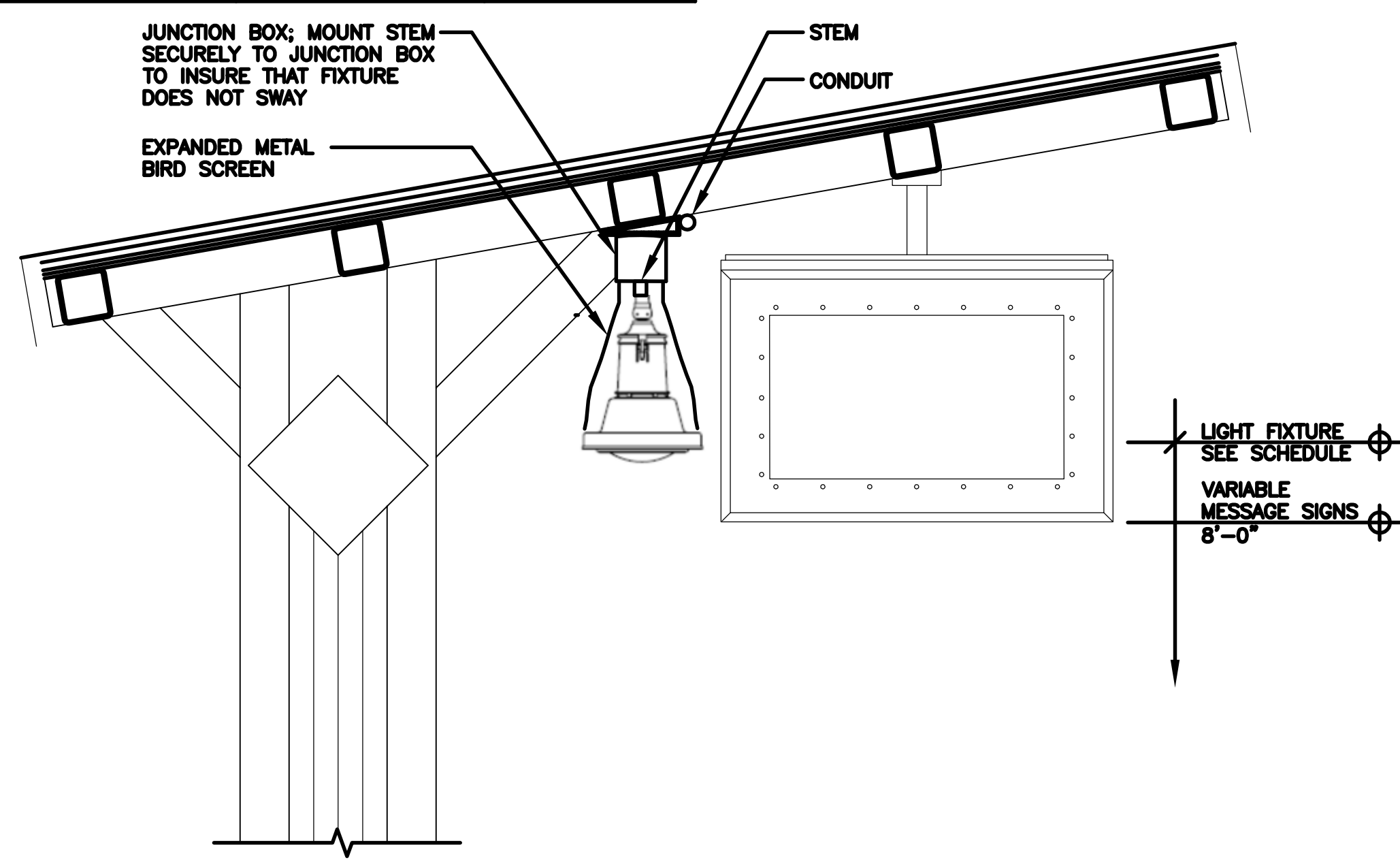


1 PLATFORM FIXTURE - TYPE P1
E-300 NOT TO SCALE

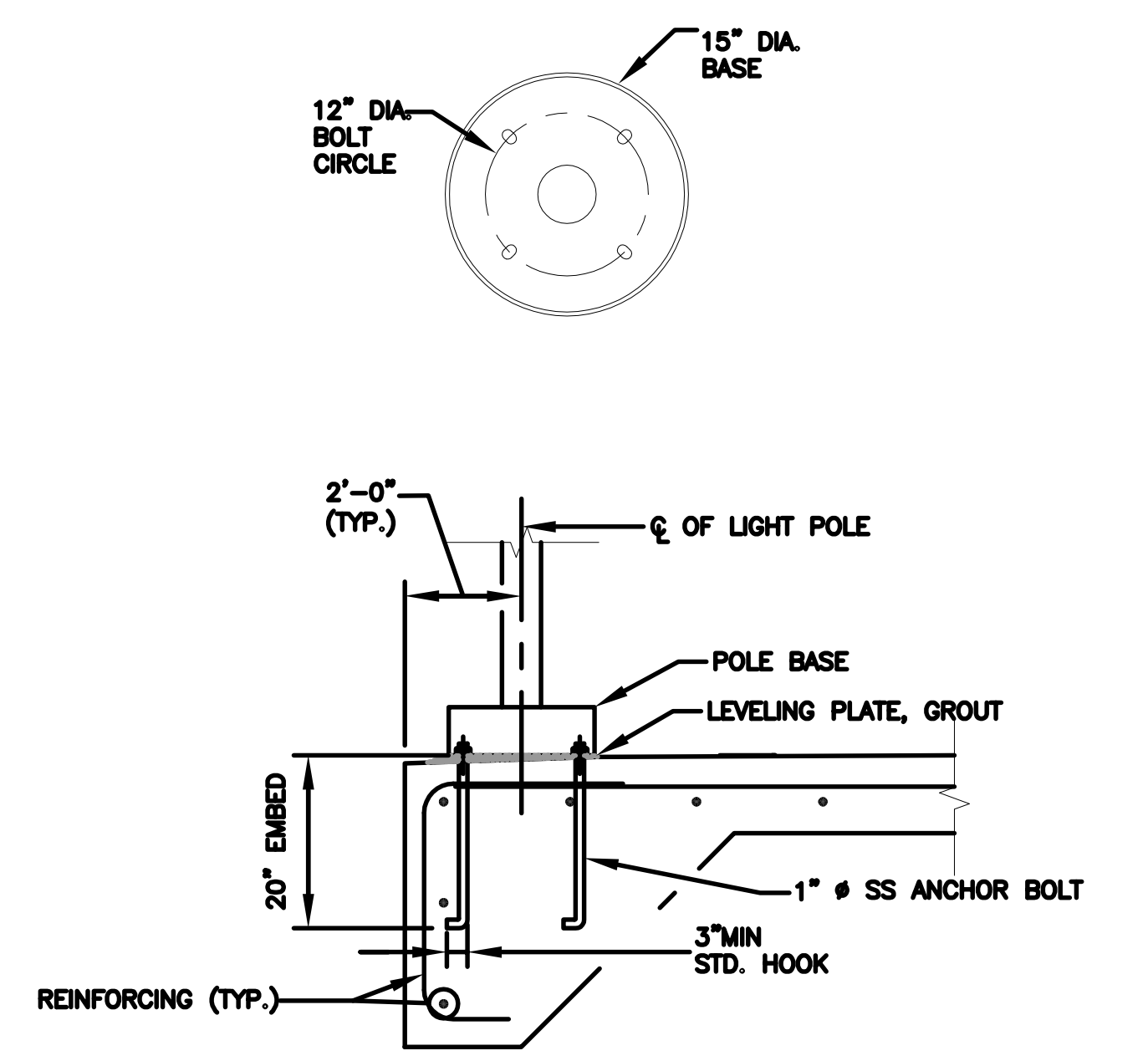
- GENERAL NOTES**
- SEE DWG. E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES.
 - SEE DWG. E-010 FOR ONE-LINE DIAGRAM AND RISER DIAGRAM.
 - SEE DWG. E-011 FOR PANEL SCHEDULES AND CONTROL DIAGRAMS.
 - SEE DWG. E-100 FOR ELECTRICAL SITE PLAN.
 - SEE DWG. E-201 FOR ELECTRICAL STATION PLAN.
 - SEE DWG. E-202 FOR ELECTRICAL HEADHOUSE FLOOR PLAN.
 - SEE DWG. E-300 FOR ELECTRICAL DETAILS AND LIGHTING SCHEDULE.



3 HEADHOUSE FIXTURE - TYPE C1
E-300 NOT TO SCALE



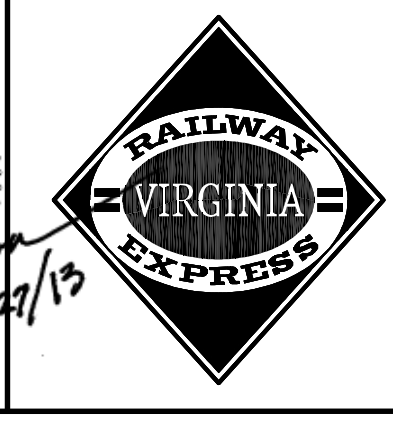
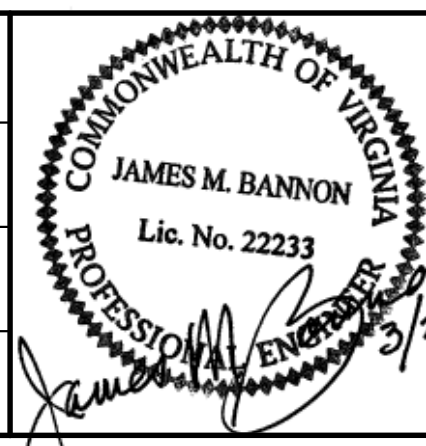
4 PLATFORM CANOPY FIXTURE - TYPE C1
E-300 NOT TO SCALE



2 SECTION
E-300 NOT TO SCALE

APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION
		10/11/12			30% SUBMITTAL
		11/21/12			60% SUBMITTAL
		01/11/13			90% SUBMITTAL
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID

DESIGNED BY:
T.G.
DRAWN BY:
L.W.
CHECKED BY:
F.T.
DATE:
03/27/13



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Fairfax, Virginia 22031

SPOTSYLVANIA STATION

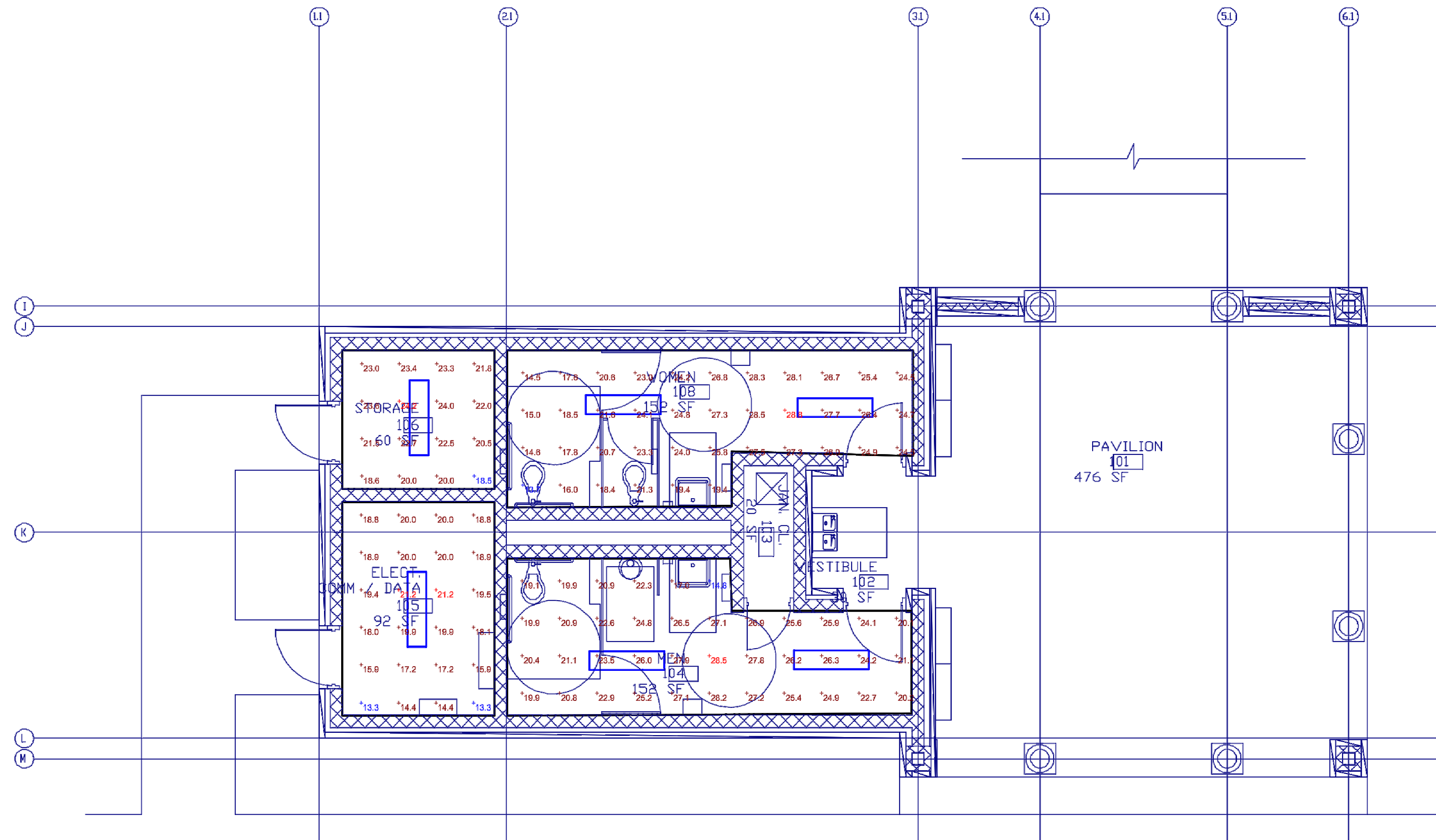
ELECTRICAL DETAILS AND LIGHTING SCHEDULE

IFB NO: 013-013
DRAWING NO: E-300
SCALE: AS NOTED
SHEET NO: 63 OF 66

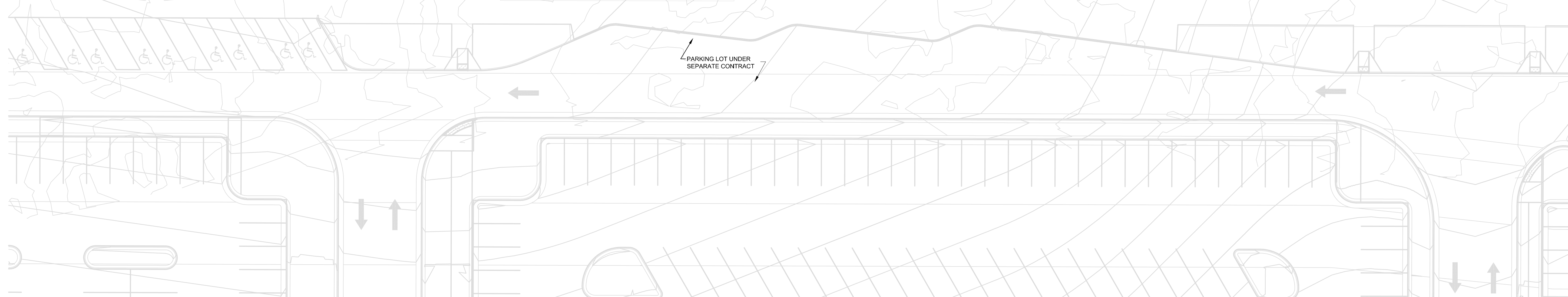
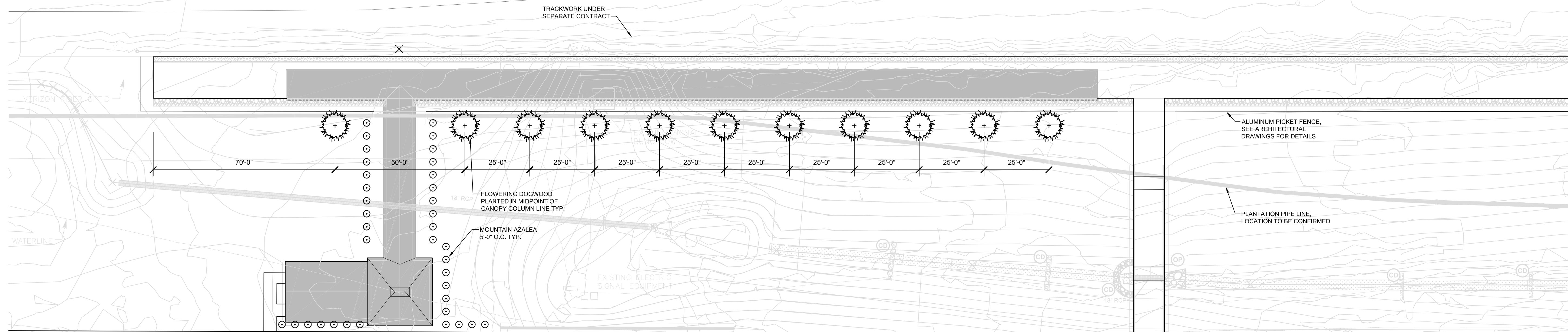
GENERAL NOTES

1. SEE DWG. E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES.
2. SEE DWG. E-010 FOR ONE-LINE DIAGRAM AND RISER DIAGRAM.
3. SEE DWG. E-011 FOR PANEL SCHEDULES AND CONTROL DIAGRAMS.
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8. COORDINATE ALL STUB LOCATIONS WITH EQUIPMENT SUPPLIER AND FINAL LOCATION DETERMINED IN FIELD.
9. COORDINATE FINAL LOCATION AND NEMA CONFIGURATION WITH EQUIPMENT SUPPLIER.

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
ELECT. COMM/DATA RM105	+	18.1 fc	21.2 fc	13.3 fc	1.6:1	1.4:1
MEN RM104	+	23.5 fc	28.5 fc	14.8 fc	1.9:1	1.6:1
STORAGE RM106	+	21.9 fc	24.2 fc	18.5 fc	1.3:1	1.2:1
WOMEN RM108	+	22.9 fc	28.8 fc	13.7 fc	2.1:1	1.7:1

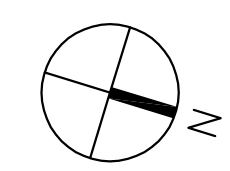


APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION		IFB NO:	
												013-013	
													DRAWING NO:
													E-400
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:					SCALE:	NONE	
						DATE:						SHEET NO:	
						03/27/13						64 OF 66	

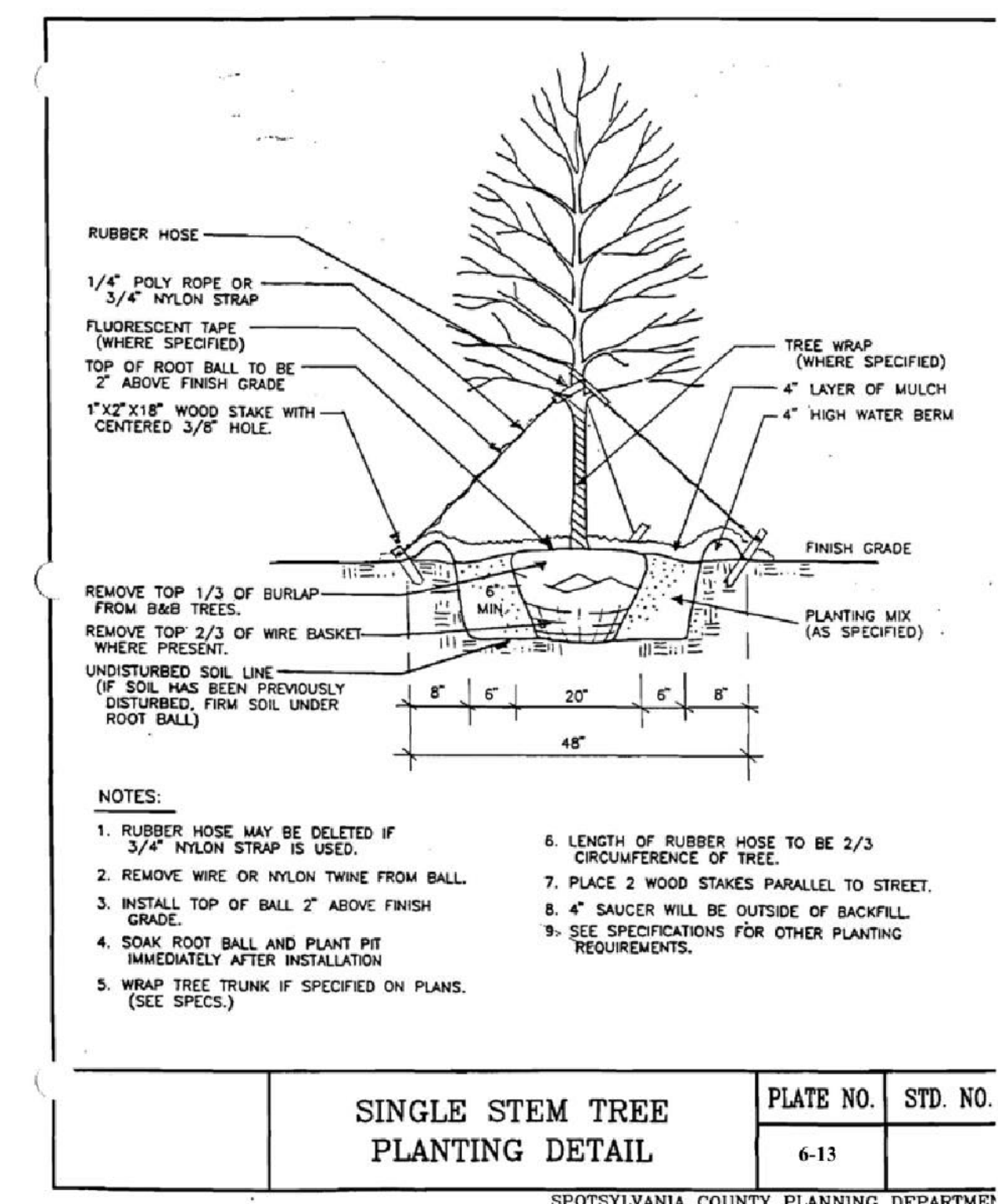
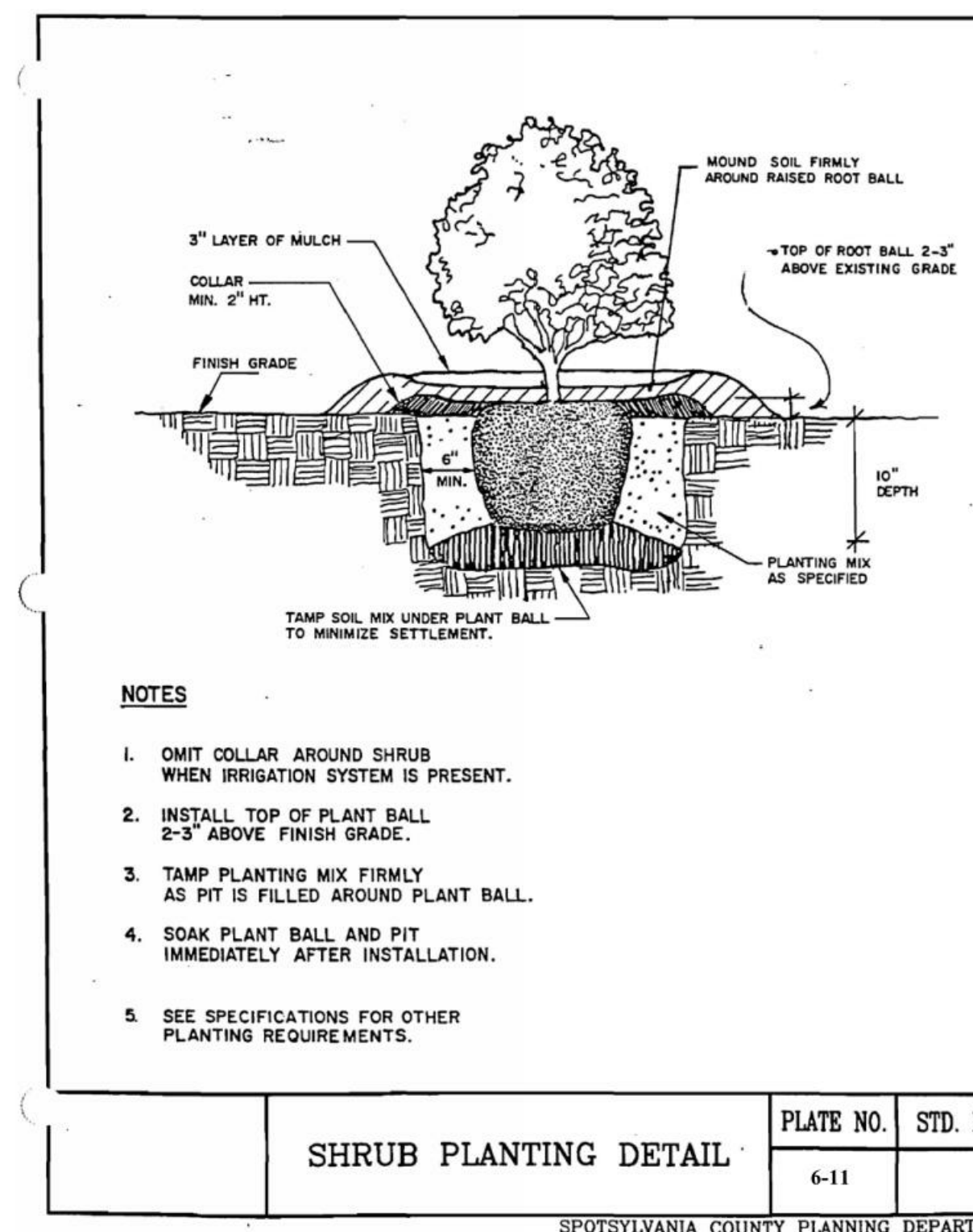
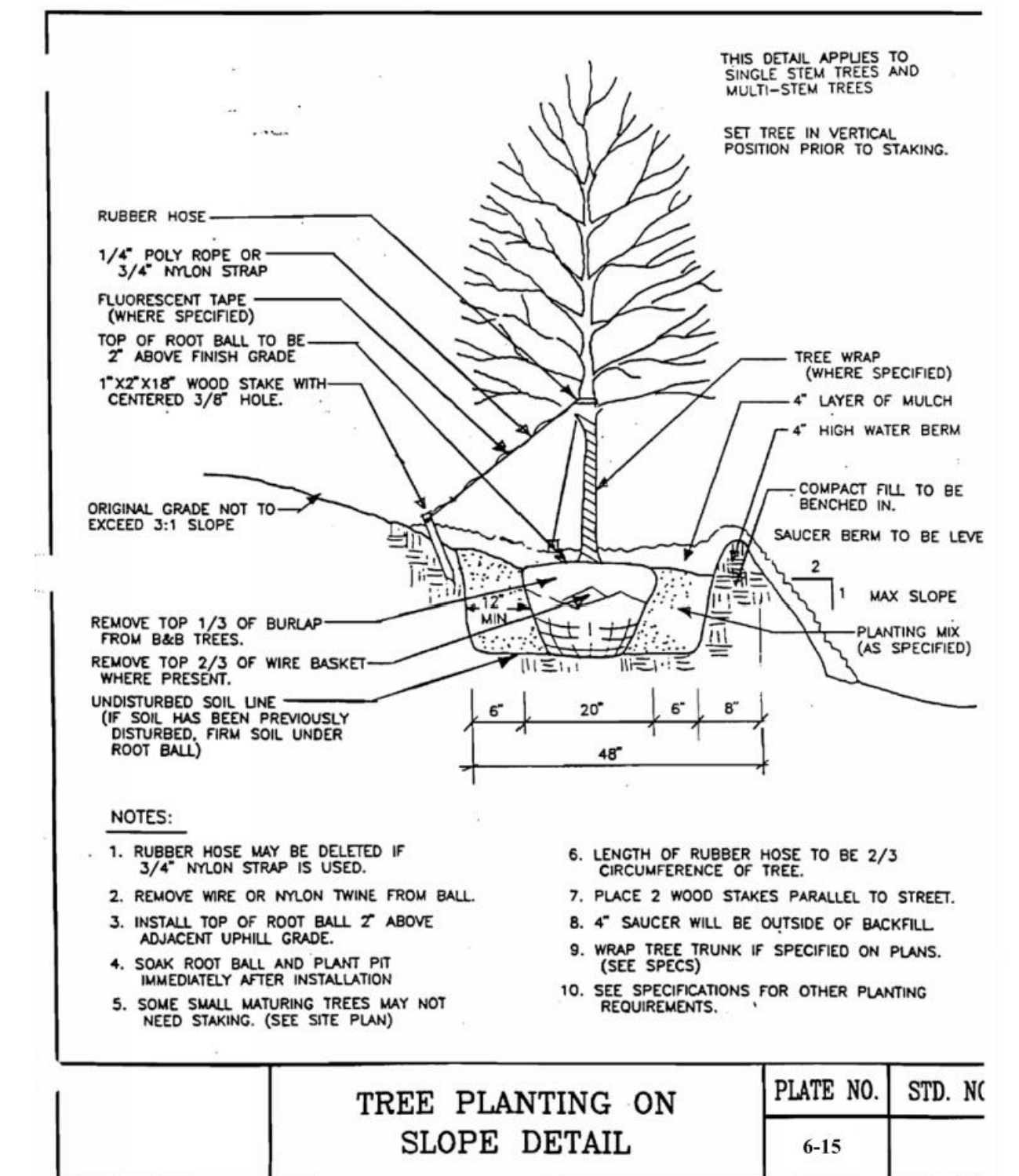


PLANTING SCHEDULE

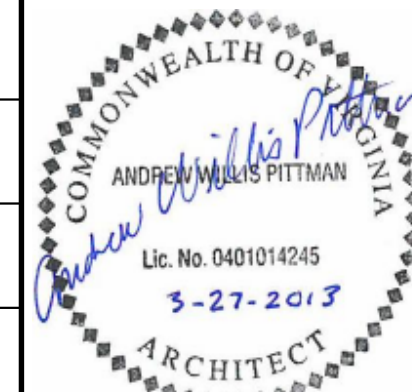
QTY.	NAME		REMARKS
	COMMON	SCIENTIFIC	
11	FLOWERING DOGWOOD	CORNUS FLORIDA	1 1/2" CALIPER
37	MOUNTAIN AZALEA	RHODODENDRON CANESCENS	5 GALLON CONTAINER



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				SPOTSYLVANIA STATION LANDSCAPE PLAN	IFB NO:	013-013
		10/11/12			30% SUBMITTAL	OO					DRAWING NO:	L-100
		11/21/12			60% SUBMITTAL	OO					SCALE:	1" = 20'-0"
		01/11/13			90% SUBMITTAL						SHEET NO:	65 OF 66
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY:						
						DATE:						
						03/27/13						
2722 Merrilee Drive, Suite 350 Fairfax, Virginia 22031												



APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
		10/11/12			30% SUBMITTAL	OO
		11/21/12			60% SUBMITTAL	OO
		01/11/13			90% SUBMITTAL	
APPROVED BY COUNTY		03/27/13			ISSUE FOR BID	CHECKED BY: AWP
						DATE: 03/27/13



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 2722 Merrilee Drive, Suite 350
 Fairfax, Virginia 22031

SPOTSYLVANIA STATION

LANDSCAPE DETAILS

IFB NO:	013-013
DRAWING NO:	L-101
SCALE:	NONE
SHEET NO:	66 OF 66