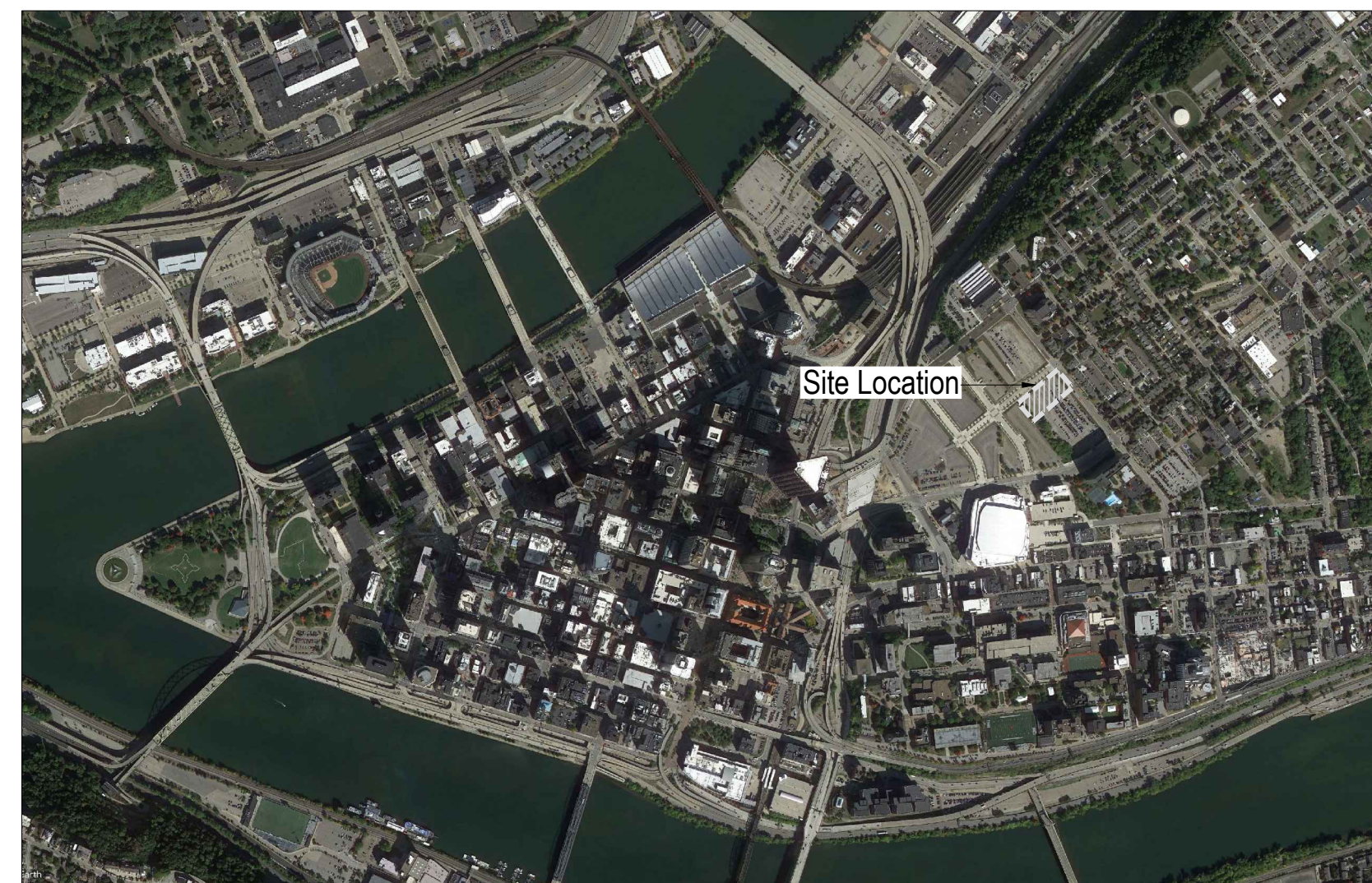


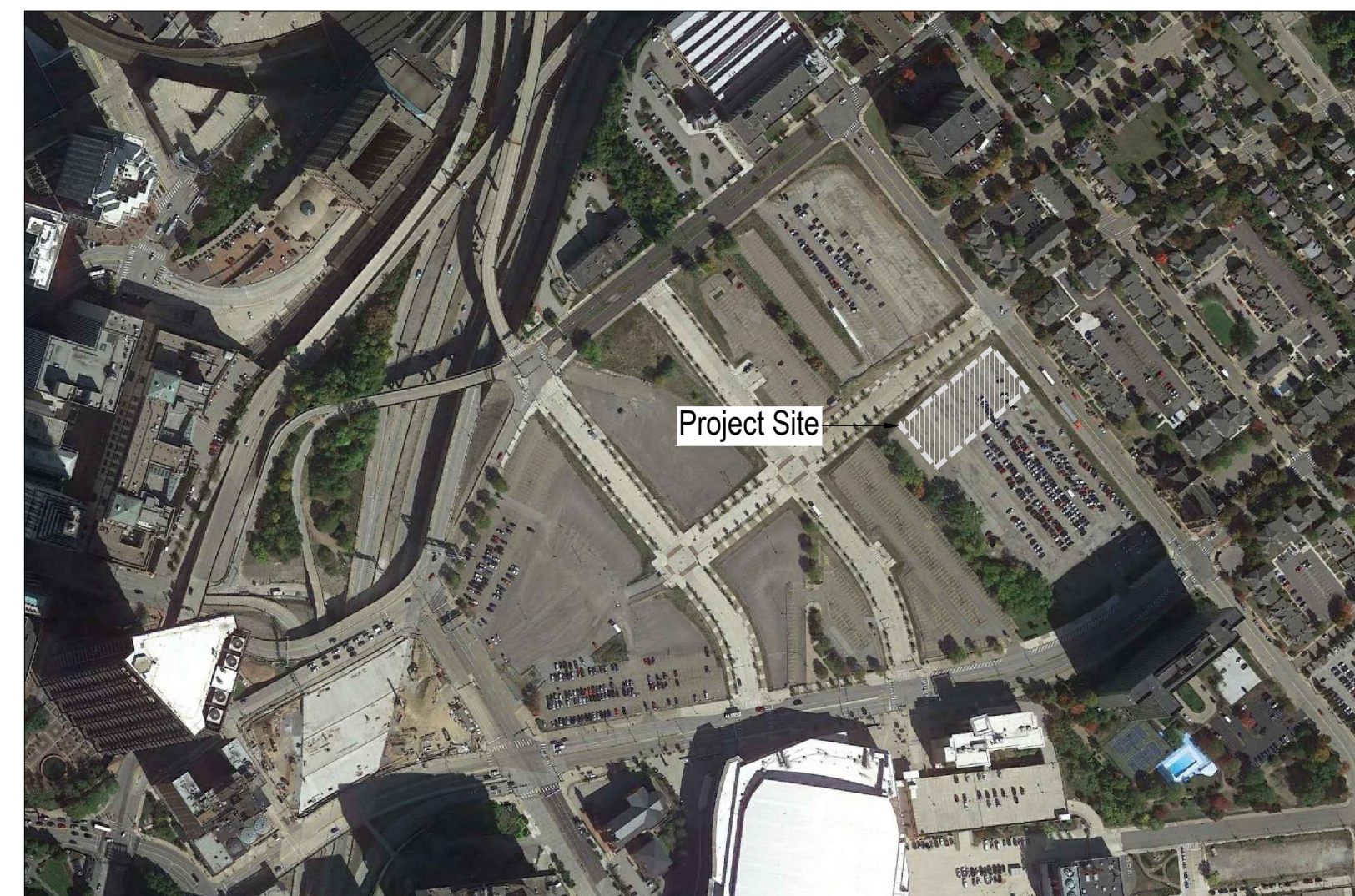
# Lower Hill - Curtain Call

## Pittsburgh, Allegheny County, Pennsylvania

100% Construction Documents  
April 28, 2023



Context Map



Project Location Map

### Lower Hill - Curtain Call Location Plans

NTS

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Lower Hill-Curtain Call  
Pittsburgh, PA

Project Number:  
21020-1  
Drawn by:  
DM | CT  
Checked by:  
FB | DM  
Date:  
April 28, 2023

Revisions:

Scale:

Sheet Name:  
**Cover Sheet**

Submission:  
100% Construction Documents

Sheet Number:  
**CS100**

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GENERAL & PROJECT SPECIFIC REQUIREMENT NOTES:

1. Contractor to provide material samples, product cut sheets, product mockups, etc. for all site and landscape related improvements per the specifications.
2. Contractor to supply the source of all landscaping materials.
3. Contractor to supply unit cost for all site and landscape improvements required by the drawings and specifications. Unit costs to include material cost, transportation cost, labor and installation cost, and warranty.
4. Contractor to coordinate with Landscape Architect for tree tagging at the selected nursery prior to approval.

SURVEY/PRIOR TO CONSTRUCTION NOTES:

1. Existing boundary line, topographic and site utility information is based upon PAR provided survey plans with additional spot elevations provided by Urban Terrain, actual conditions may have changed since survey was performed. Contractor shall verify existing conditions in the field and report any discrepancies to landscape architect.
2. Contractor shall obtain and review all relevant drawings, details and specifications prior to beginning construction. Any discrepancies shall be brought to the attention of the Landscape Architect immediately.
3. Parking of all non-construction vehicles to be directed by the PAR.
4. Contractor shall protect all existing utilities and site improvements that are noted to remain and shall coordinate with Pennsylvania One Call System, Inc. to verify location of all utilities.
5. Contractor is responsible for installing and maintaining a construction fence around the perimeter of work for the duration of the construction.
6. Contractor shall coordinate locations of alternate walks with the PAR.
7. Contractor is responsible for maintaining access to all buildings during the course of this project. The Contractor shall coordinate with the PAR to determine a construction schedule.
8. All fuel storage tanks need to be double walled and in a containment bed.
9. Protect all trees in and near the limit of work per the detail shown below. However, it is understood that some trees are closer to the existing and/or proposed walks and it will be difficult to remain outside the of the dripline during construction. In these instances protect the trees to the greatest extents possible.

DEMOLITION NOTES:

1. Erosion and sediment control measures around areas of demolition shall be installed prior to initiation of demolition activities. Refer to E&S plan for details.
2. Contractor shall remove and properly dispose off-site all items noted to be removed. All items become the property of the contractor unless otherwise noted.
3. Saw cut all pavement prior to excavation. Saw cut pavement full depth where pavement is to be removed and where it abuts pavement to remain. Pavement removal includes subbase materials. Saw cut concrete pavement to the next nearest existing joint.
4. Conduits and wiring required for the continuity of lighting, outlets, systems, and equipment that is to remain shall remain undisturbed or to be reconnected as required to maintain service.
5. Contractor to protect all features that are to remain.
6. Remove trees and shrubs indicated on the demolition plan in their entirety, including the root ball.

SITE NOTES

1. The existence and locations of underground utilities indicated on the drawings are not guaranteed. Locate and identify existing underground and overhead services and utilities within contract limit work areas. Notify PAR and landscape architect immediately of any conflict with utilities or existing site elements including those shown and not shown on survey. Provide adequate means of protection of utilities and services designated to remain. Repair utilities damaged during site work operations at Contractors expense.
2. Control dust caused by the work. Dampen surfaces as required. Comply with pollution control regulations of governing authorities.
3. Protect existing buildings, paving, and other services or facilities on site and adjacent to the site from damage caused by site work operations. Cost of repair and restoration of damaged items at Contractor's expense.
4. All proposed site improvements are to be staked in field for approval by PAR and landscape architect prior to construction. Any discrepancies or conflicts with existing conditions or other drawings shall be reported to the landscape architect immediately for proper clarification or adjustment.
5. Verify all dimensions and elevations in field prior to installation.
6. Contractor is responsible for pedestrian safety and circulation during construction of each area including but not limited to all signage, barriers, and temporary work.
7. All disturbed areas to be regraded to ensure positive drainage away from building and seeded if not in planting area.
8. Concrete Mixes: Prepare and submit design mixes, proportioned according to ACI 211.1 and ACI 301, with the following properties:
  - a. Compressive Strength (28 Days): 3500 psi (24.1 MPa).
  - b. Slump: 4 inches (100 mm).
  - c. Air Content: 4.5 to 7.0 percent.
10. Leave formwork, for beam soffits, joists, slabs, and other structural elements, that supports weight of concrete in place until concrete has achieved 28-day design compressive strength.
11. Vapor Retarder: Place, protect, and repair vapor-retarder sheets according to ASTM E 1643.
12. Concrete Placement: Deposit concrete continuously and avoid segregation. Deposit concrete in forms in horizontal layers no deeper than 24 inches (600 mm), avoiding cold joints.
  - a. Consolidate concrete with mechanical vibrating equipment.
  - b. Screed and initial-float concrete floors and slabs using bull floats or darbies to form a uniform and open-textured surface plan, free of humps or hollows, before excess moisture or bleed water appears on the surface. Do not disturb slab surfaces before starting finishing operations.
  - c. Comply with ACI 306.1 for cold-weather concrete placement.
  - d. Place concrete according to recommendations in ACI 305R when hot-weather conditions exist.
  - e. Broom Finish: Apply a broom finish to exterior concrete, brooming with fiber-bristle broom perpendicular to main traffic route, to platforms, steps, and ramps, and elsewhere as indicated.
  - f. Exposed Aggregate: Selected, hard, and durable; washed; free of materials with deleterious reactivity to cement or that cause staining; from a single source, with gap-graded coarse aggregate as follows:
    - f.a. Aggregate Sizes: 3/8 to 5/8 inch (10 to 16 mm) nominal.
    - f.b. Aggregate Source, Shape, and Color: TBD.
13. Cross slope on walks to be a maximum of 2% ensuring proper drainage across all walks.
14. Apply evaporation retarder to unformed concrete surfaces if hot, dry, or windy conditions cause excessive moisture loss.
15. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.
16. Cure formed and unformed concrete for at least seven days by moisture curing, moisture-retaining-cover curing, or curing compound.
17. Testing Agency: Contractor will engage a qualified independent testing and inspecting agency to sample materials, perform tests, and submit test reports during concrete placement. Tests shall be performed according to ACI 301.
18. Defective Concrete: Repair and patch defective areas when approved by landscape architect. Remove and replace concrete that cannot be repaired and patched to landscape architect's approval.
19. Install Expansion Joints where new concrete meets existing concrete and at locations shown on plan, approximately 20'-0" o.c. Scorelines and expansion joints in all new concrete to be tooled. All expansion joints to be caulked. Submit product data sheet and color selections for approval prior to installation.
20. Seal concrete with Prosoco Saltguard WB or approved equal. Submit product data sheet for approval prior to installation.
21. Coordinate all utilities with engineering and landscape architectural drawings.
22. Contractor to verify electrical feed for relocated light fixtures.
23. Install conduit 2'-0" minimum below finished grade.

GRADING NOTES:

1. Contractor shall verify all existing grades in the field and report any discrepancies to the landscape architect. Contractor shall stake all elevations to be approved by the landscape architect before construction.
2. All lines and grade work not presently established at the site shall be laid out by a registered land surveyor or professional civil engineer employed by the contractor in accordance with the contract documents. Contractor shall establish permanent benchmarks and bounds and replace any which are destroyed or disturbed.
3. Spot elevations shall govern over proposed contours.
4. Contractor shall ensure consistent slope between spot elevations.
5. At ridge lines, high points and low points, contractor shall transition grade to avoid a point or sharp edge.
6. Contractor shall not perform work outside the designated site boundary, if field conditions warrant off-site grading, permission shall be obtained by contractor from the affected property owners.
7. All sidewalks, stoops, terraces and other paved areas shall slope away from building(s) at 2.0%.
8. For slope construction 3:1 and steeper the contractor shall coordinate with a geotechnical engineer on the suitability of soils planned for these slopes and follow recommendations set forth by the geotechnical engineer for slope construction. Top soil placement on slopes shall be installed in a benched pattern.
9. Contractor to coordinate topsoil required or to be removed for the project with owner. Owner to supply topsoil or location of topsoil to be used, contractor is responsible for amending the soil as required to meet the specification.



Landscape  
Architecture

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**Lower Hill-Curtain Call**  
Pittsburgh, PA

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21020-1

Drawn by:  
DM | CT

Checked by:  
FB | DM

Date:  
April 28, 2023

Revisions:

Scale:

Sheet Name:

**Construction Notes**

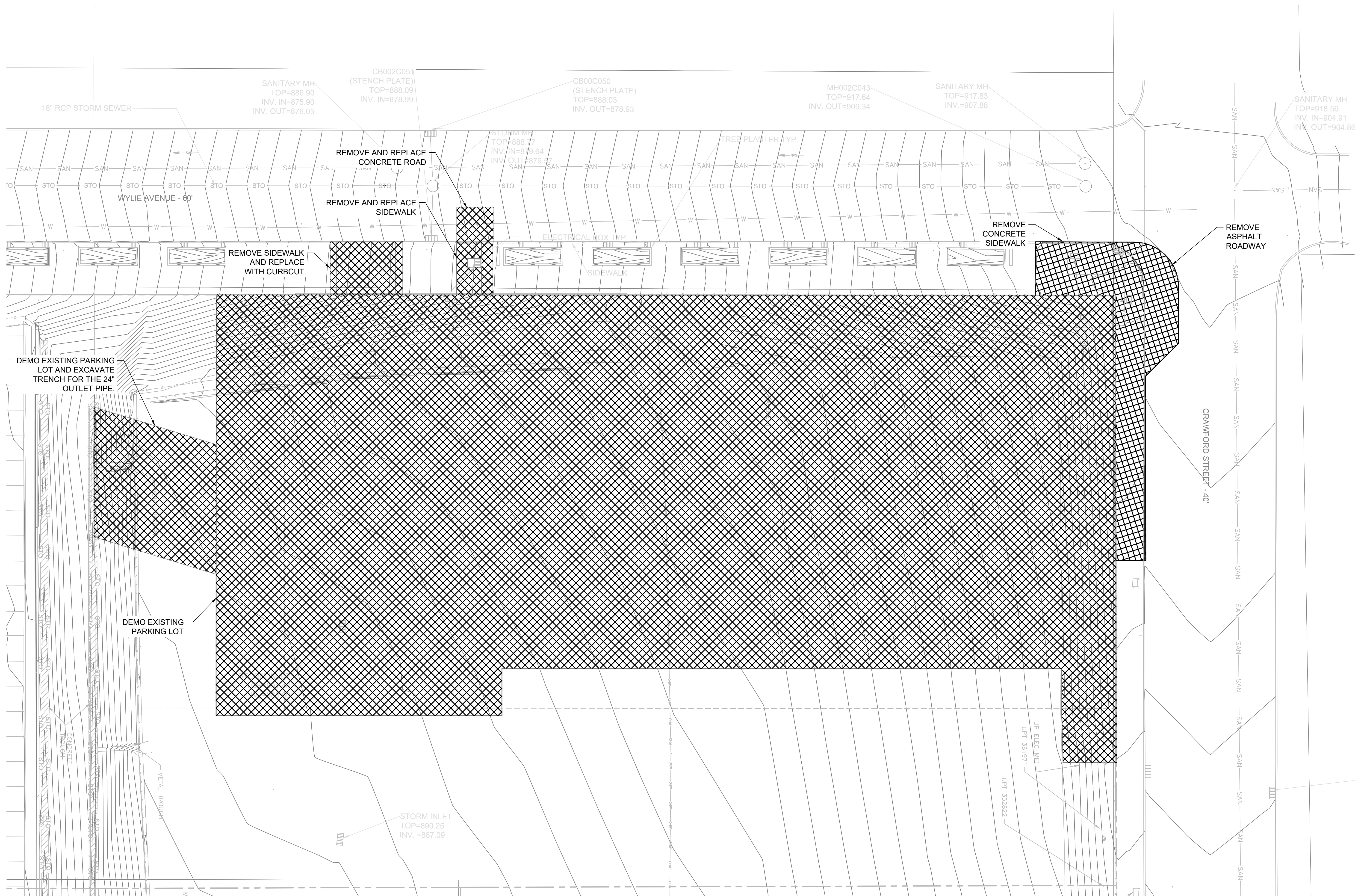
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**CN100**

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PROPOSED LEGEND		EXISTING LEGEND	
DEMO HATCH		SANITARY LINE	
ASPHALT		STORM LINE	
CONCRETE		WATER LINE	
		MAJOR CONTOUR LINE	
		MINOR CONTOUR LINE	
		CHAINLINK FENCE	
		GUIDERAIL	
		OVERHEAD WIRE	
		PROPERTY LINE	



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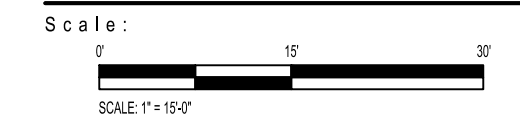
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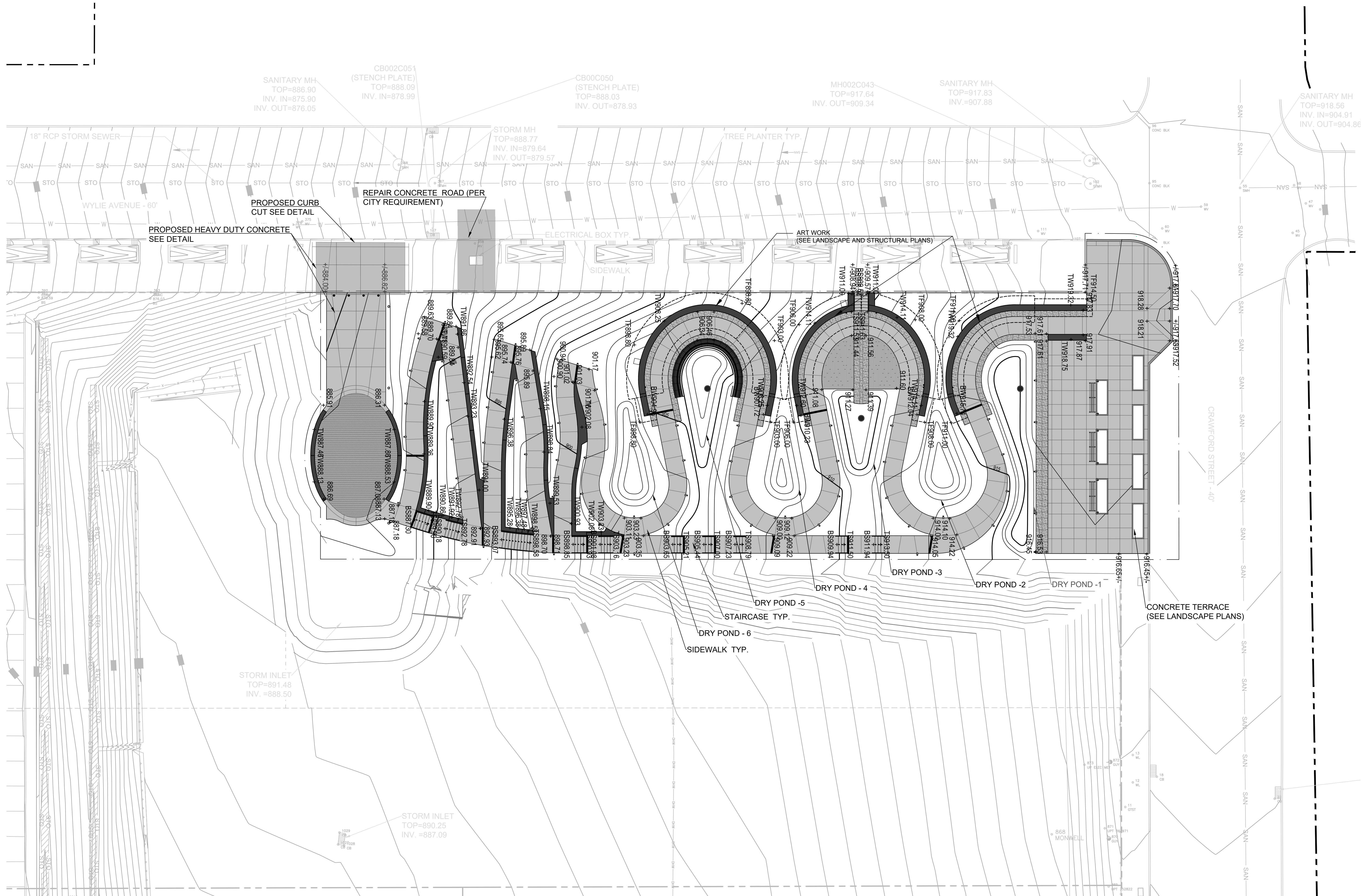
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**SITE DEMOLITION PLAN**

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PROPOSED LEGEND		EXISTING LEGEND	
CONCRETE		SANITARY LINE	
ASPHALT		STORM LINE	
PAVERS		WATER LINE	
WOOD DECK		MAJOR CONTOUR LINE	
		MINOR CONTOUR LINE	
		GUIDERAIL	
		CHAINLINK FENCE	
		OVERHEAD WIRE	

**NOTES:**  
 1. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR PROPOSED SIDEWALK, ART WORK, AND PAVERS WITHIN THE PROPERTY LINE OF THE PROJECT.



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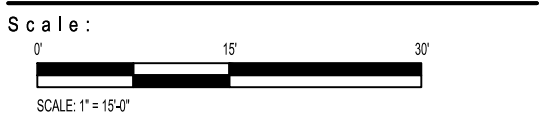


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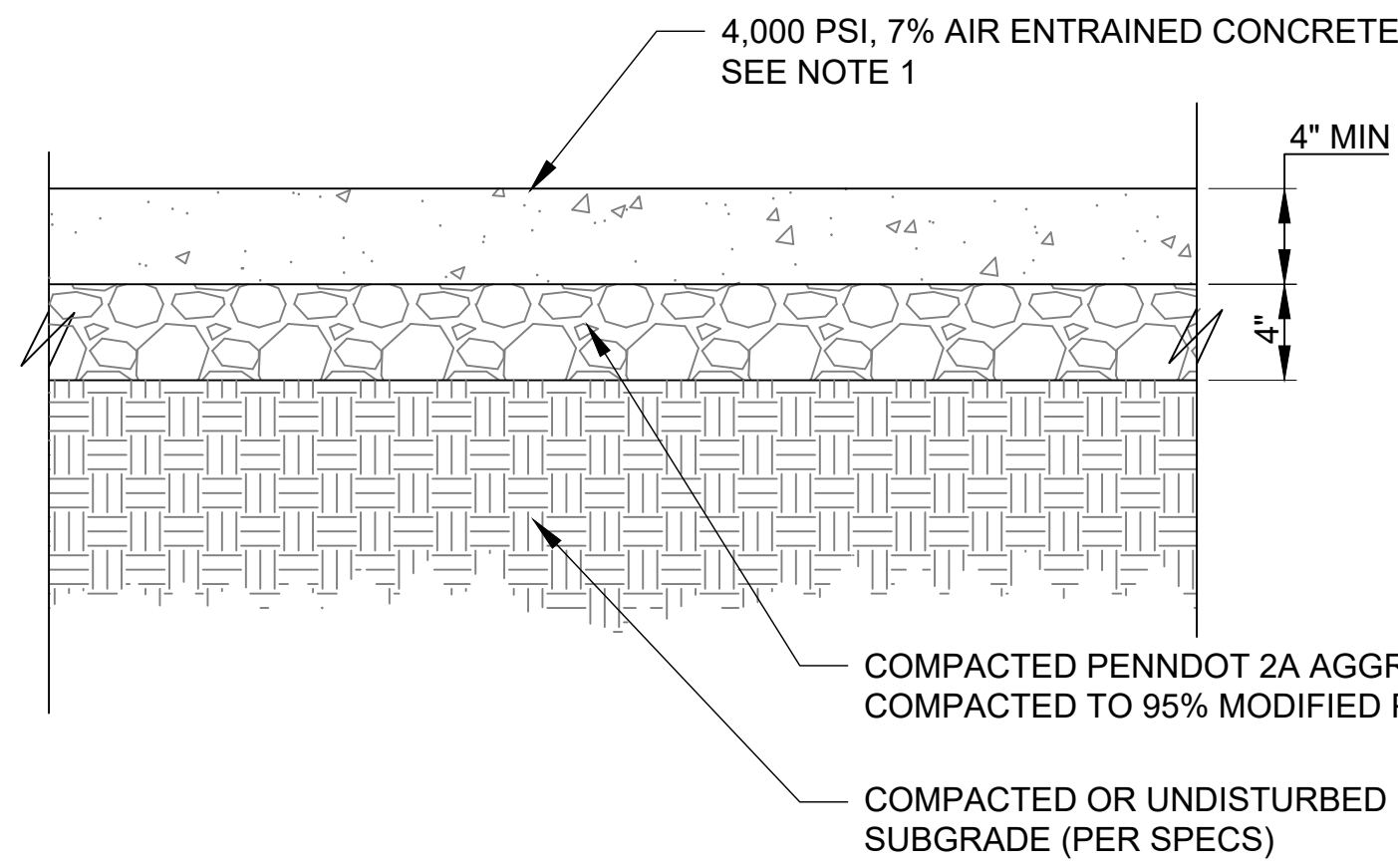


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**SITE IMPROVEMENTS PLAN**

Submission:  
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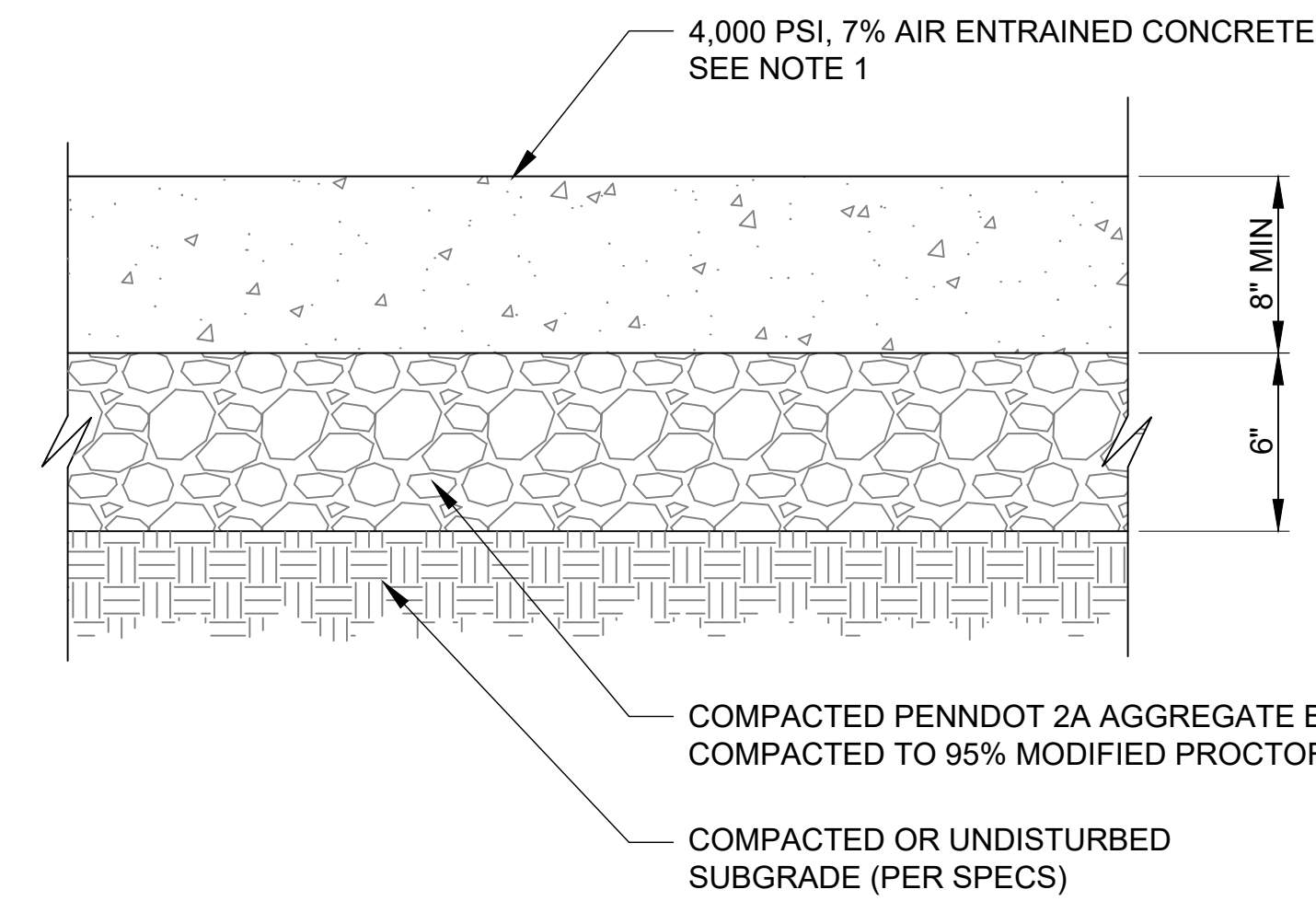
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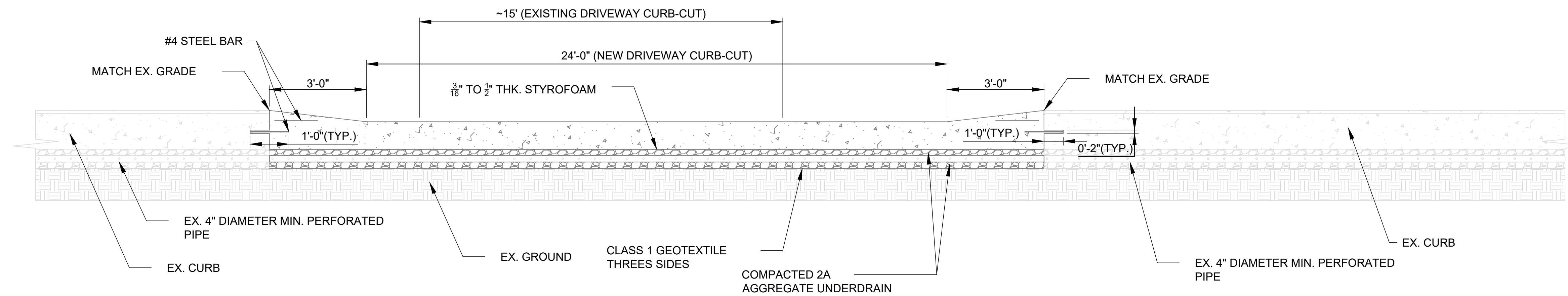
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 - BARRICADE WB244, EUCLID CHEMICAL CO.  
 - SS HARDEN X SI, SEALSOURCE INTERNATIONAL, LLC.
  2. REINFORCE CONCRETE WITH MACRO SYNTHETIC FIBER REINFORCEMENT AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
  3. F'C=4000 PSI MINIMUM.
  4. SEE CONCRETE CONTROL JOINT DETAIL.

**1** STANDARD DUTY CONCRETE PAVEMENT PAD SECTION  
SCALE: NTS

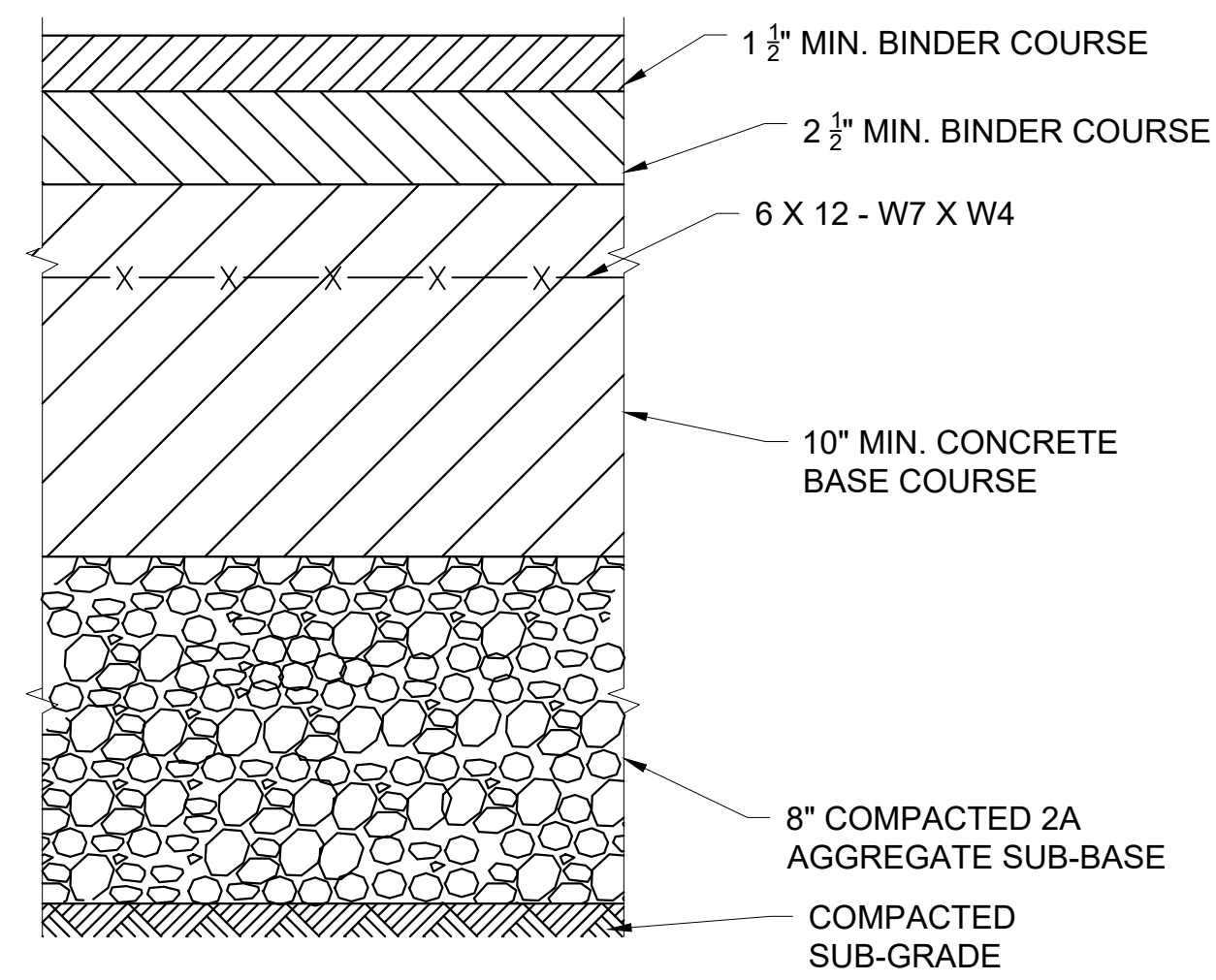


- NOTES:
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 - SS HARDEN X SI, SEALSOURCE INTERNATIONAL, LLC.
  2. REINFORCE CONCRETE WITH MACRO SYNTHETIC FIBER REINFORCEMENT AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.
  3. F'C=4000 PSI MINIMUM.
  4. SEE CONCRETE CONTROL JOINT DETAIL.

**2** HEAVY DUTY CONCRETE PAVEMENT PAD SECTION  
SCALE: NTS

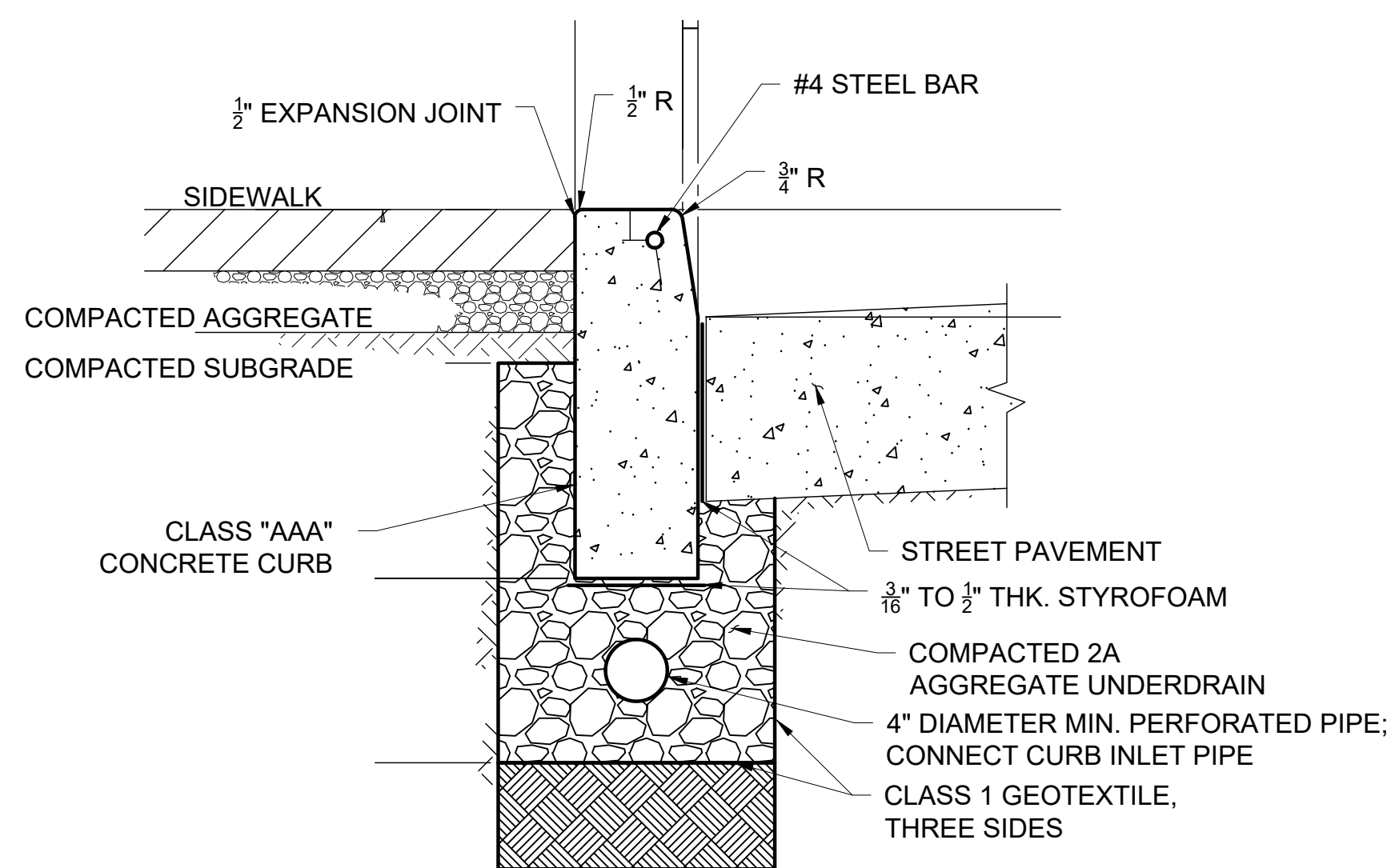


**3** CURB CUT DETAIL (WYLIE AVENUE)  
SCALE: 1" = 40'



**BITUMINOUS PAVEMENT FOR PRIMARY (ARTERIAL AND COLLECTOR) STREETS**  
CITY OF PITTSBURGH STANDARDS OF CONSTRUCTION

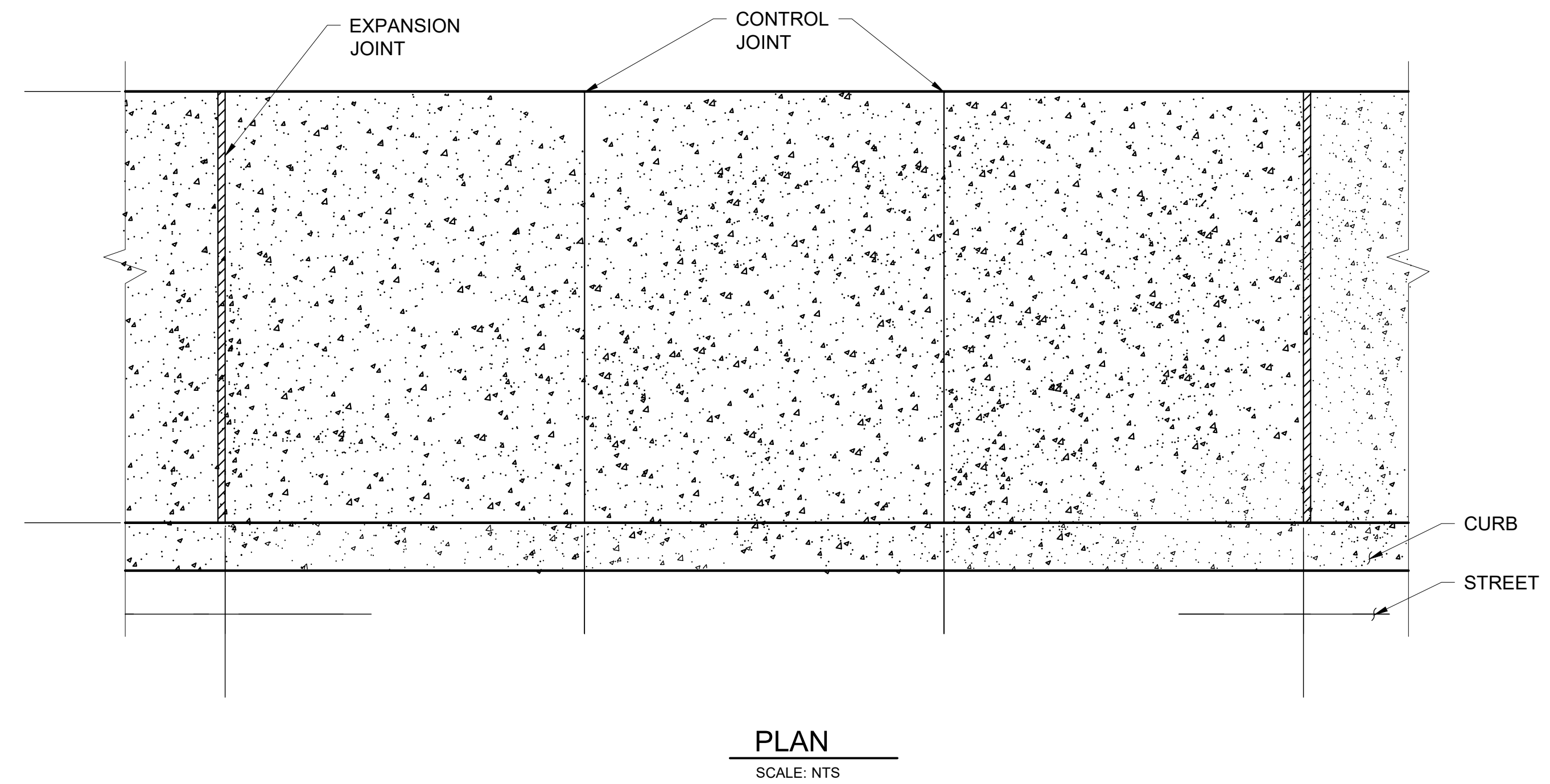
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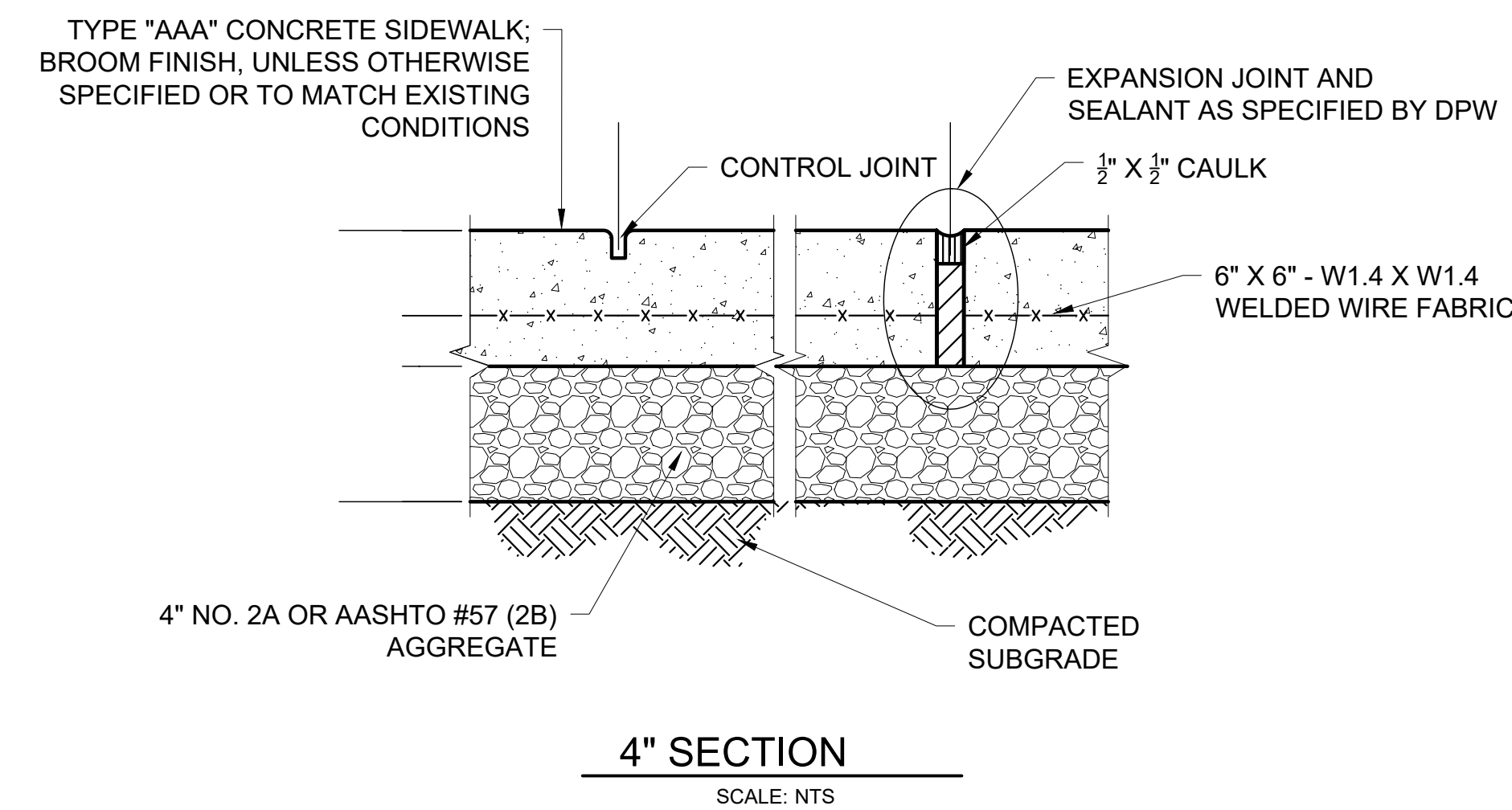
- NOTES:
1. CURB CONSTRUCTION JOINTS SHALL BE SPACED AT A MAXIMUM OF 10'-0", AND SHALL COINCIDE WITH TRANSVERSE JOINTS IN PAVEMENT AND/OR BASE.
  2. EXTEND ALL PAVEMENT JOINTS THROUGH CURB.
  3. ALL CONCRETE CURB SHALL BE CURED BY THE SAME METHOD AS CONCRETE PAVEMENT OR BASE COURSE.
  4. PERFORATED PIPE MAY BE OMITTED FROM UNDERDRAIN AS DIRECTED BY THE DPW.

**CONCRETE DEEP CURB 7" REVEAL**  
CITY OF PITTSBURGH STANDARDS OF CONSTRUCTION

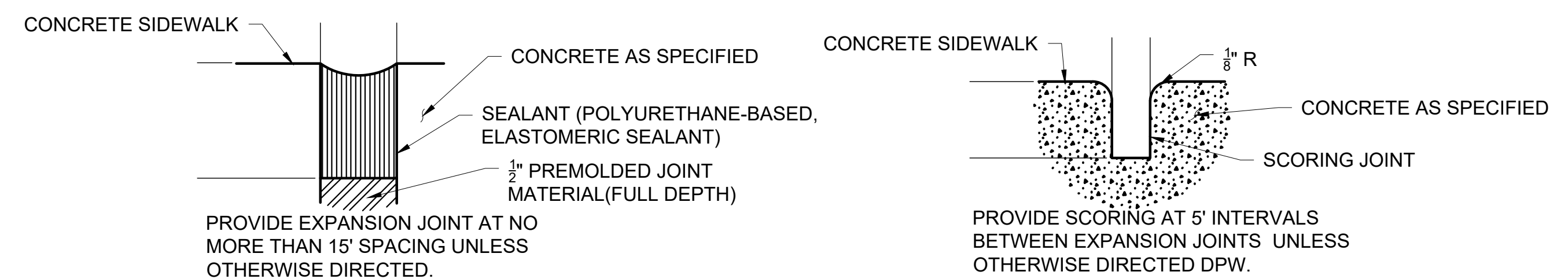
9 SCALE: NTS



PLAN  
SCALE: NTS



4" SECTION  
SCALE: NTS



**EXPANSION JOINT**

SCALE: NTS

NOTES:

1. 4" REINFORCED SIDEWALK REQUIRED IN AREAS OF PERSONAL VEHICLE LOADING AND/OR TRAFFIC, OR WHERE SUCH USE ARE EXPECTED, OR WHERE MANDATED BY THE DPW.
2. PADOT CLASS "AAA" SHALL HAVE COMPRESSIVE CAPACITY OF 4000 PSI AT 28 DAYS.
3. ALL PAVEMENT JOINT SHALL BE EXTENDED THROUGH CURB WHEN COINCIDENTAL WITH CURB JOINT.
4. EACH PAD SHALL NOT EXCEED 36.0 SF.

**CONTROL JOINT**

SCALE: NTS

**REINFORCED CONCRETE SIDEWALK DETAIL**  
CITY OF PITTSBURGH STANDARDS OF CONSTRUCTION

10 SCALE: NTS



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**SITE IMPROVEMENTS  
DETAILS**

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**C102**

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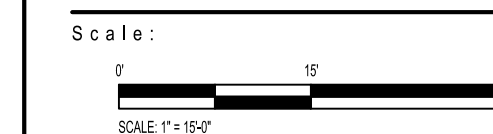
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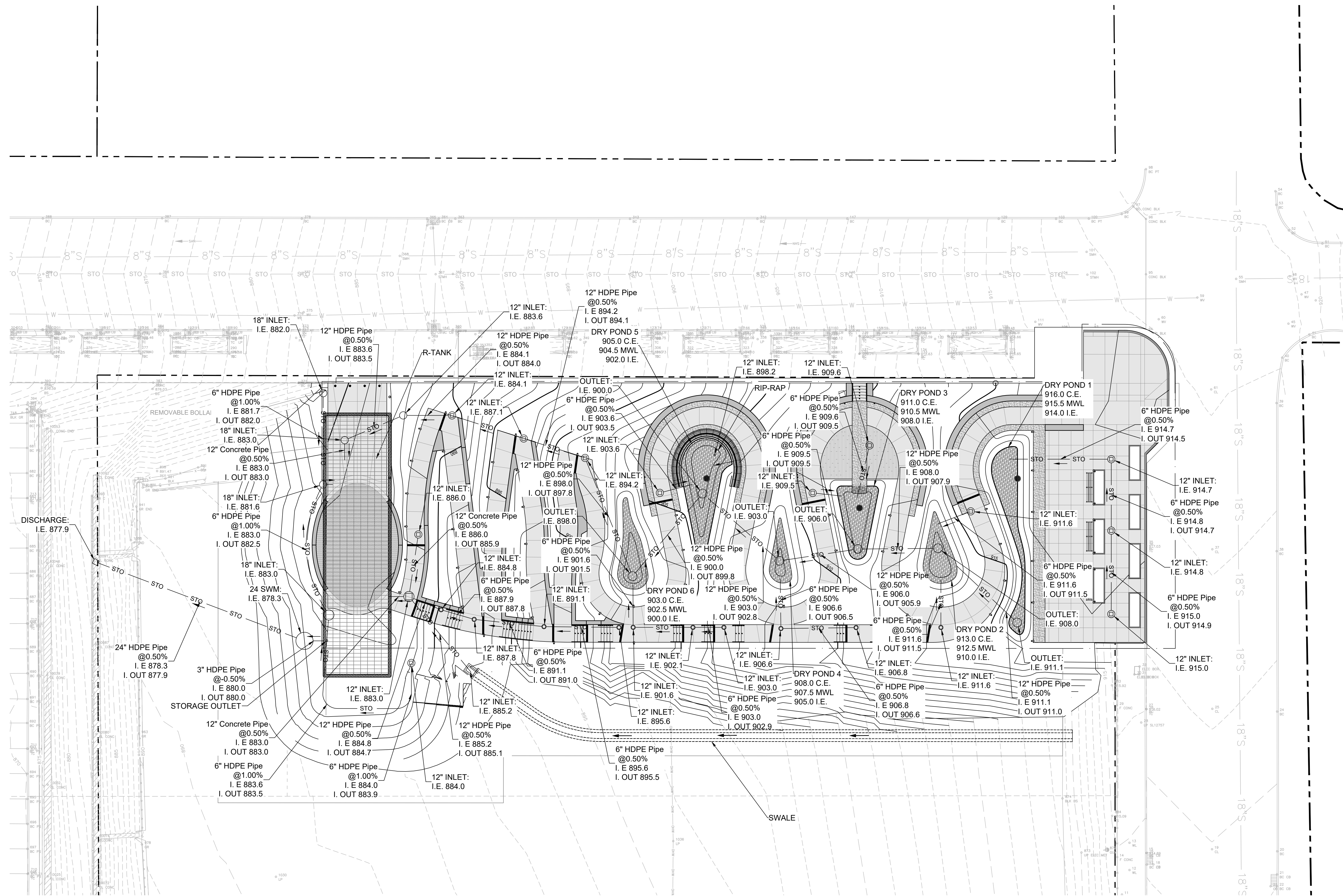
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SITE GRADING &  
DRAINAGE PLAN

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Sheet Number:

C300

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PROPOSED LEGEND

18" INLET WITH BEEHIVE GRATE	○
12" SWMH	⊕
24" SWMH	⊗
STORM LINE	— STO —

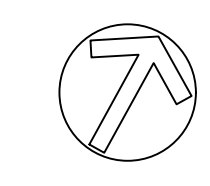
EXISTING LEGEND

OVERHEAD WIRE	— OHW — OHW
SANITARY LINE	— SFL — SFL
STORM LINE	— STO — STO
WATER LINE	— W — W
MAJOR CONTOUR LINE	— W — W
MINOR CONTOUR LINE	--- ---

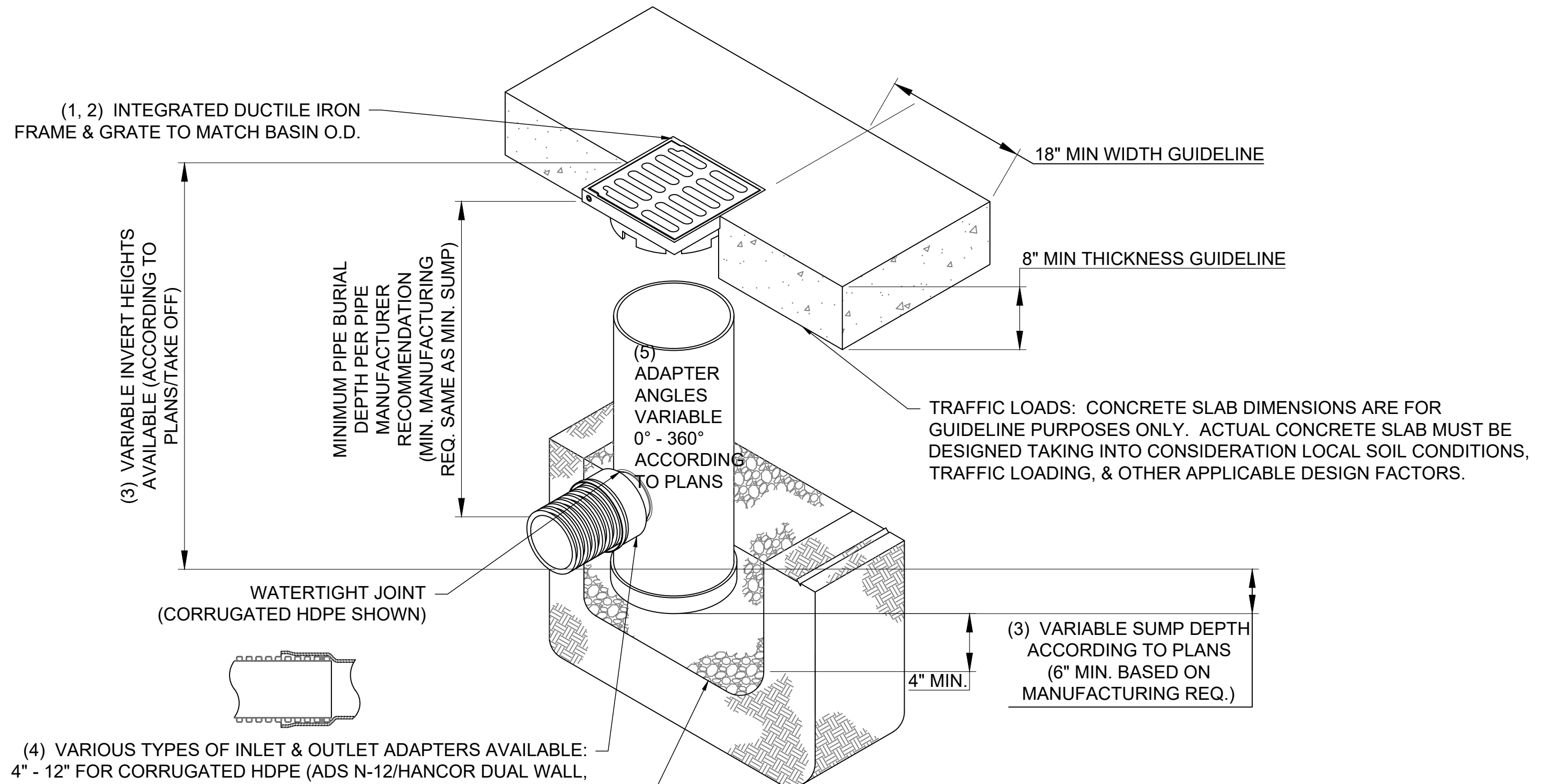
NOTE:  
\*DRAIN INLETS SHOULD BE CONSTRUCTED WITH THE ELEVATION OF THE TOP GRATE AT THE FINAL SURFACE LEVEL OR BELOW IT NO MORE THAN HALF AN INCH (1/2"), AND ALL SURROUNDING SURFACE MUST SLOPE THROUGH THE INLET. THERE SHOULD NOT BE ANY IMPEDIMENT FOR ALL THE SURROUNDING AREA TO DRAIN INTO THE INLETS INTERIOR. IF IT IS NECESSARY, THE SURROUNDING AREA SHOULD BE MODIFIED TO SLOPE TOWARD THE DRAIN INLET WITH A RECOMMENDED SLOPE OF 5% BUT NO LESS THAN 2%.

ACRONYMS:

I.E.	INVERT ELEVATION
I. OUT	INVERT OUT ELEVATION
C.E.	CREST ELEVATION
M.W.L.	MAX WATER ELEVATION







(1, 2) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.

18" MIN WIDTH GUIDELINE

8" MIN THICKNESS GUIDELINE

(3) VARIABLE INVERT HEIGHTS AVAILABLE (ACCORDING TO PLANS/TAKE OFF)

MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION (MIN. MANUFACTURING REQ. SAME AS MIN. SUMP)

(5) ADAPTER ANGLES VARIABLE 0° - 360° ACCORDING TO PLANS

TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS.

WATERTIGHT JOINT (CORRUGATED HDPE SHOWN)

(3) VARIABLE SUMP DEPTH ACCORDING TO PLANS (6" MIN. BASED ON MANUFACTURING REQ.)

(4) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 12" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC

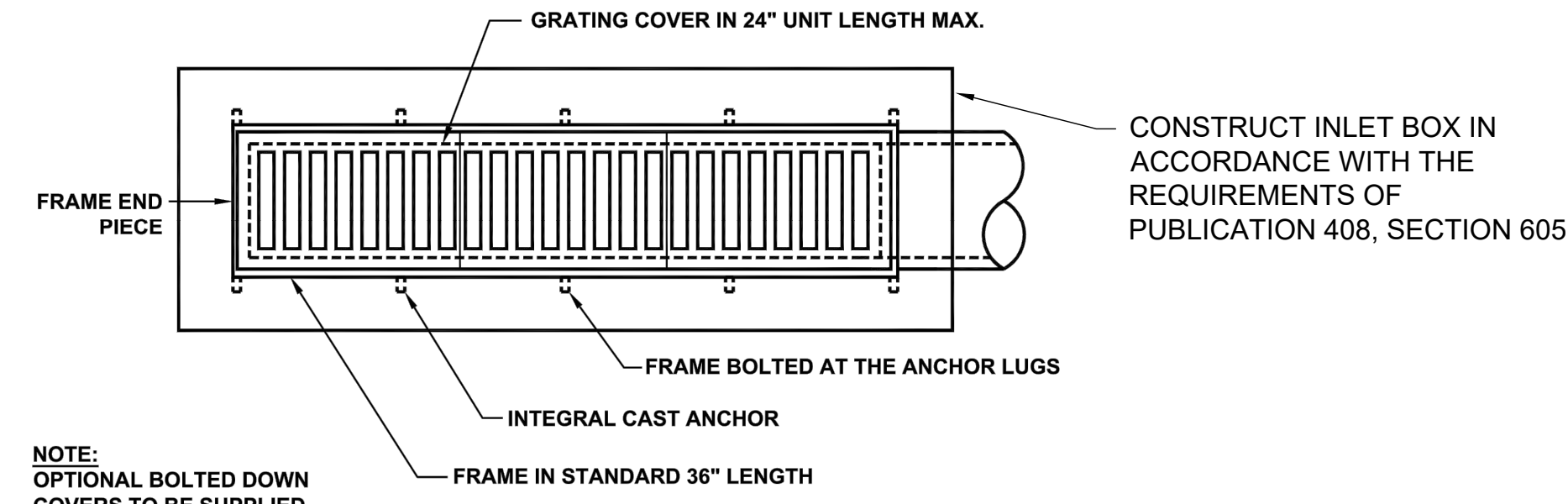
THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

GRATE OPTIONS	LOAD RATING	PART #
PEDESTRIAN	MEETS H-10	1299CGP
STANDARD	MEETS H-20	1299CGS
SOLID COVER	MEETS H-20	1299CGC
PEDESTRIAN BRONZE	N/A	1299CGPB
DOME	N/A	1299CGD
DROP IN GRATE	LIGHT DUTY	1201DI

**17 NYLOPLAST 18" DRAIN BASIN**

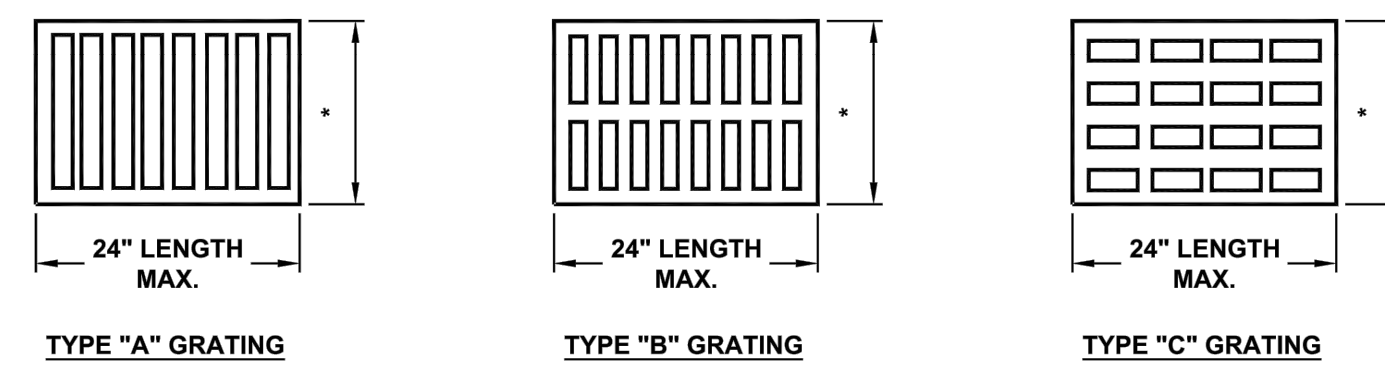
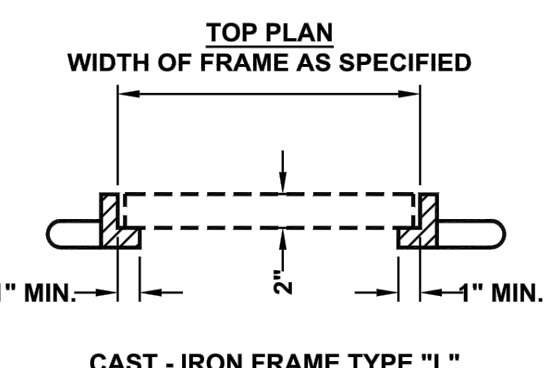
SCALE: NTS

- NOTES:
- 1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
  - 2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
  - 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
  - 4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
  - 5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.



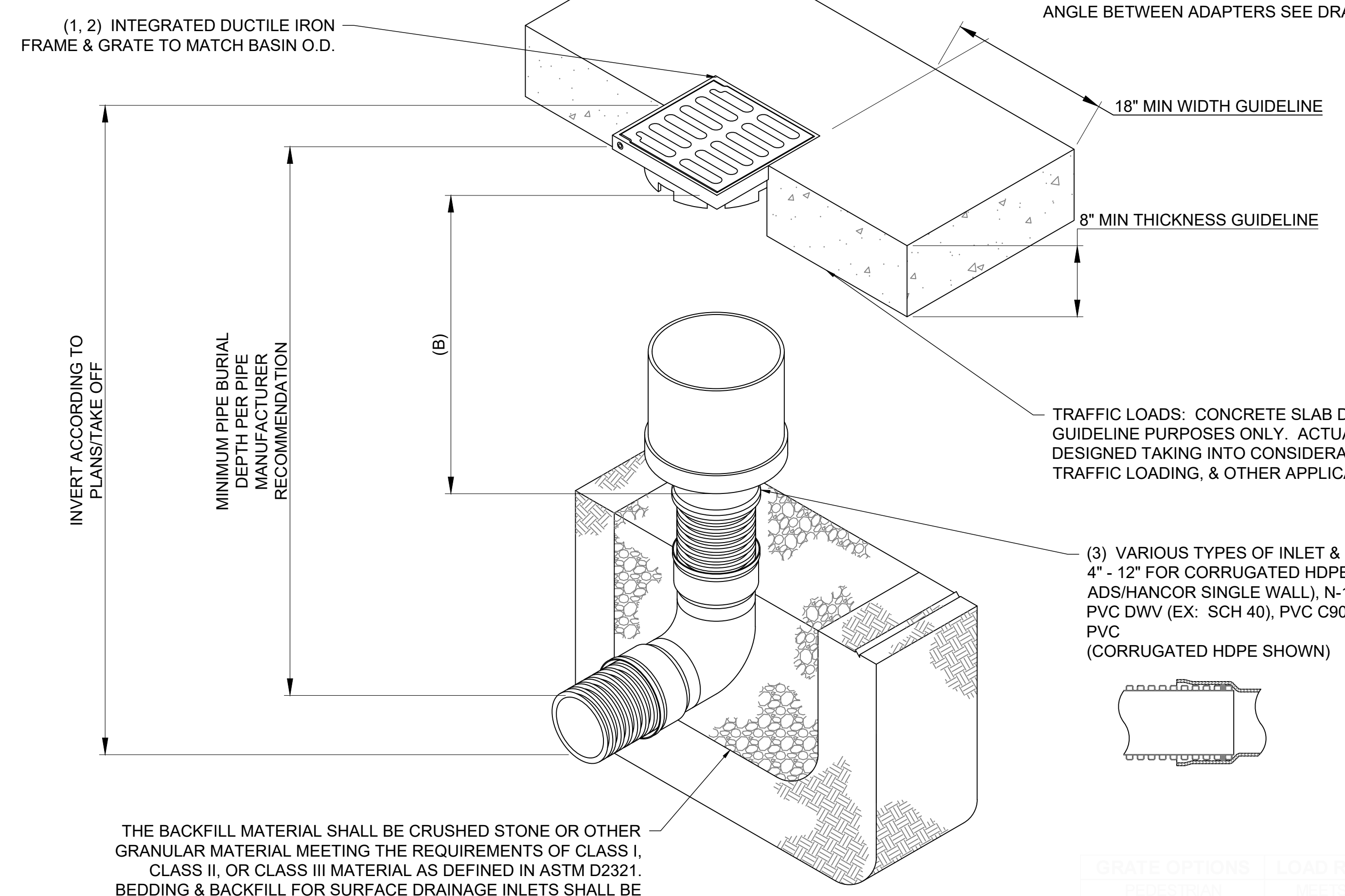
CONSTRUCT INLET BOX IN ACCORDANCE WITH THE REQUIREMENTS OF PUBLICATION 408, SECTION 605

NOTE: OPTIONAL BOLTED DOWN COVERS TO BE SUPPLIED IF SPECIFIED.



**TRENCH DRAIN DETAIL**

SCALE: NTS



(1, 2) INTEGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.

18" MIN WIDTH GUIDELINE

8" MIN THICKNESS GUIDELINE

INVERT ACCORDING TO PLANS/TAKE OFF

MINIMUM PIPE BURIAL DEPTH PER PIPE MANUFACTURER RECOMMENDATION

(B)

TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS.

(3) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 12" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC (CORRUGATED HDPE SHOWN)

ADAPTER SIZE	B
4"	10.50
6"	11.50
8"	11.50
10"	11.25
12"	6.00

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

**18 NYLOPLAST 12" INLINE DRAIN**

SCALE: NTS

- NOTES:
- 1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
  - 2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
  - 3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
  - 4 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.
  - 5 - DIMENSIONS ARE IN INCHES



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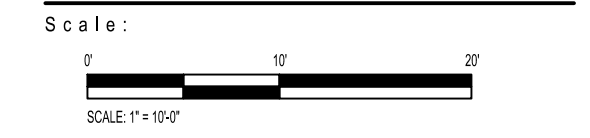


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**Lower Hill-Curtain Call**  
Pittsburgh, PA

Project Number:  
21020:1  
Drawn by:  
BN | SD  
Checked by:  
CS | BD  
Date:  
April 28, 2023  
Revisions:

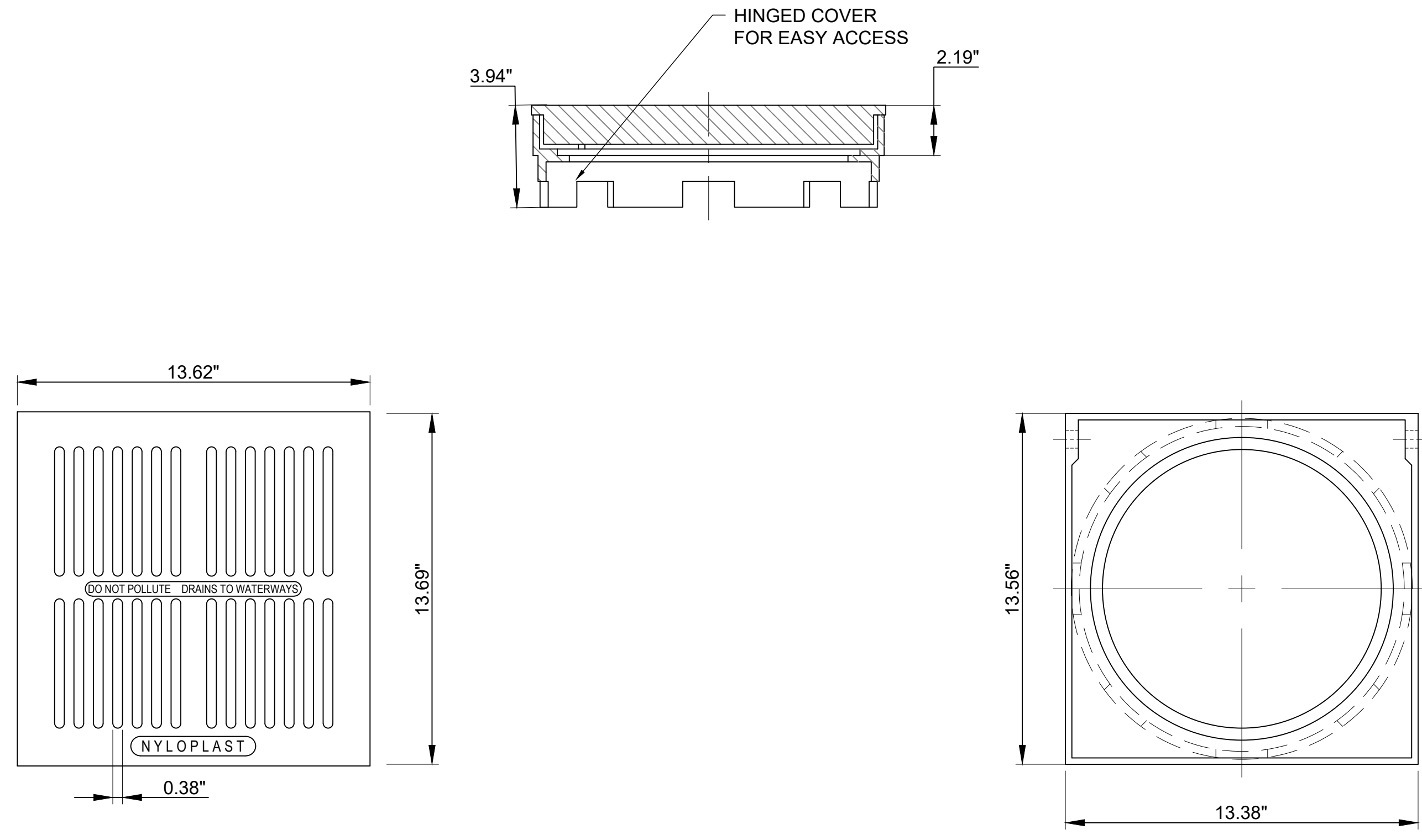


**SITE GRADING DETAIL**

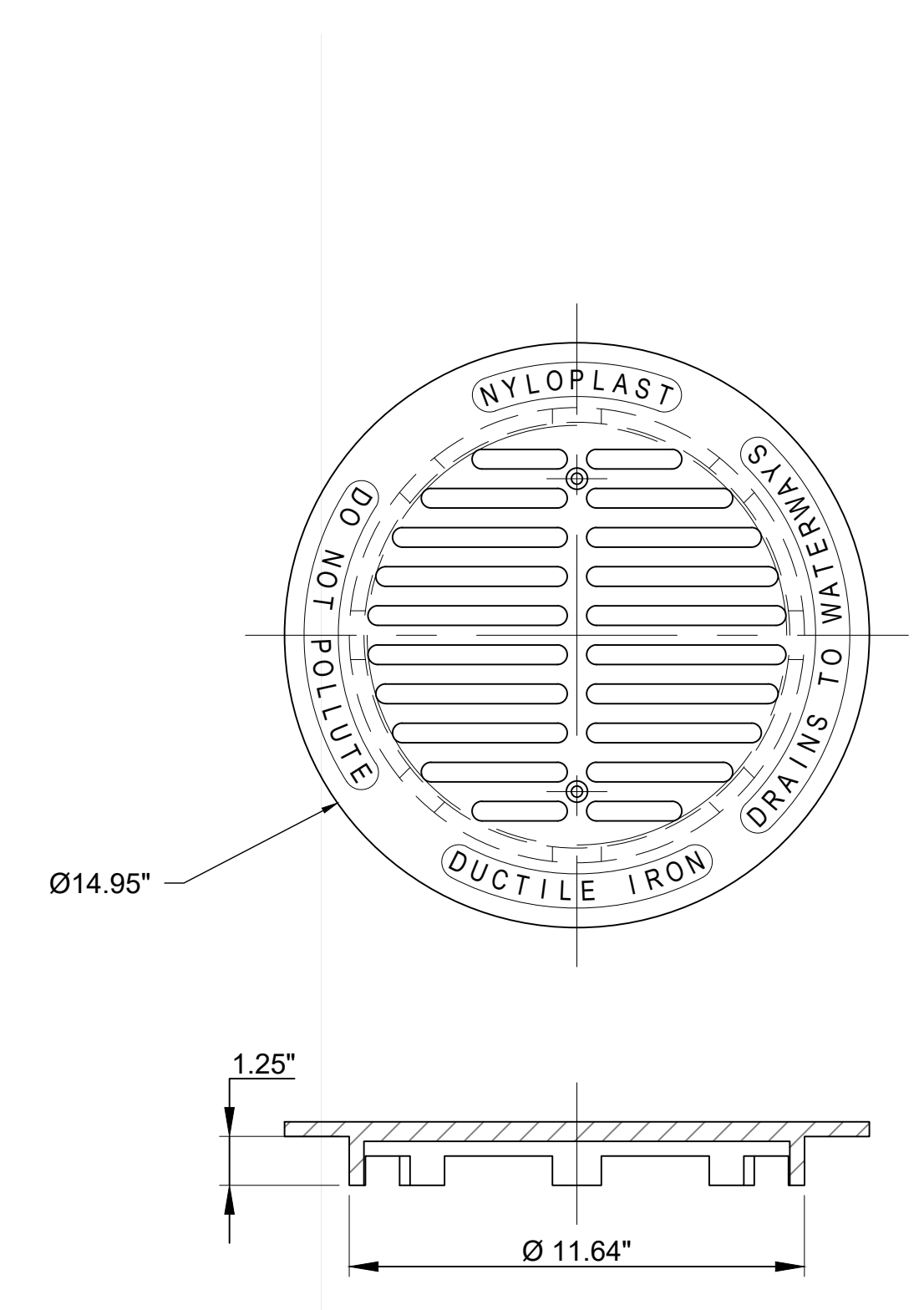
Submission:  
100% Construction Documents

Sheet Number:  
**C301**

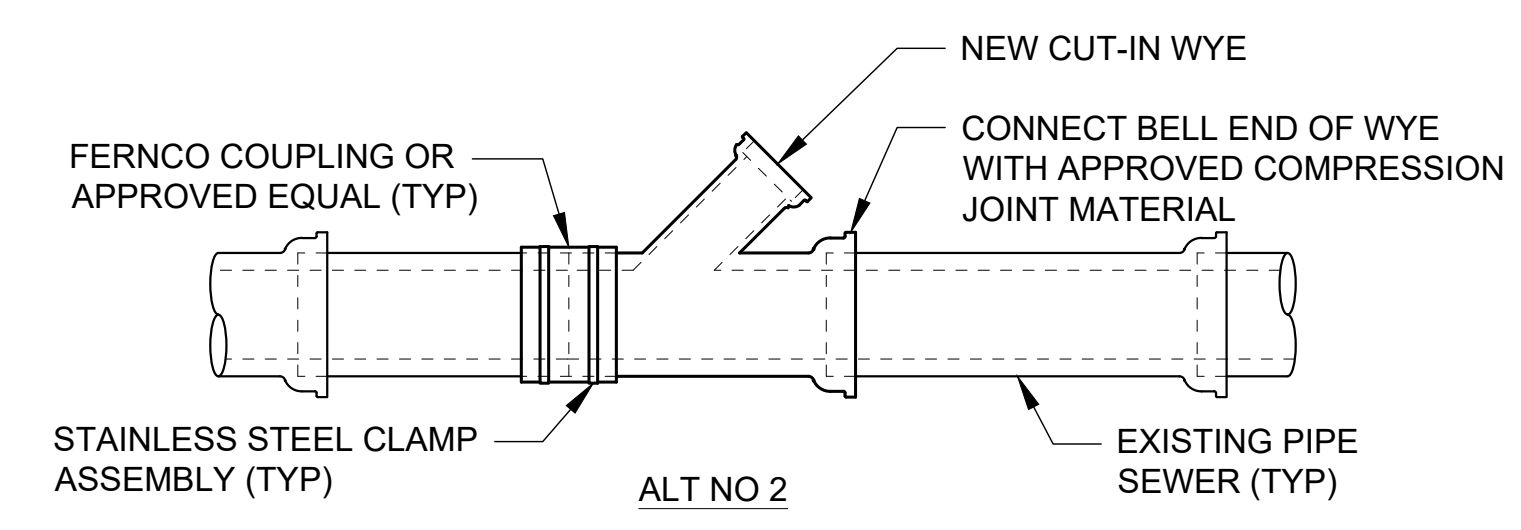
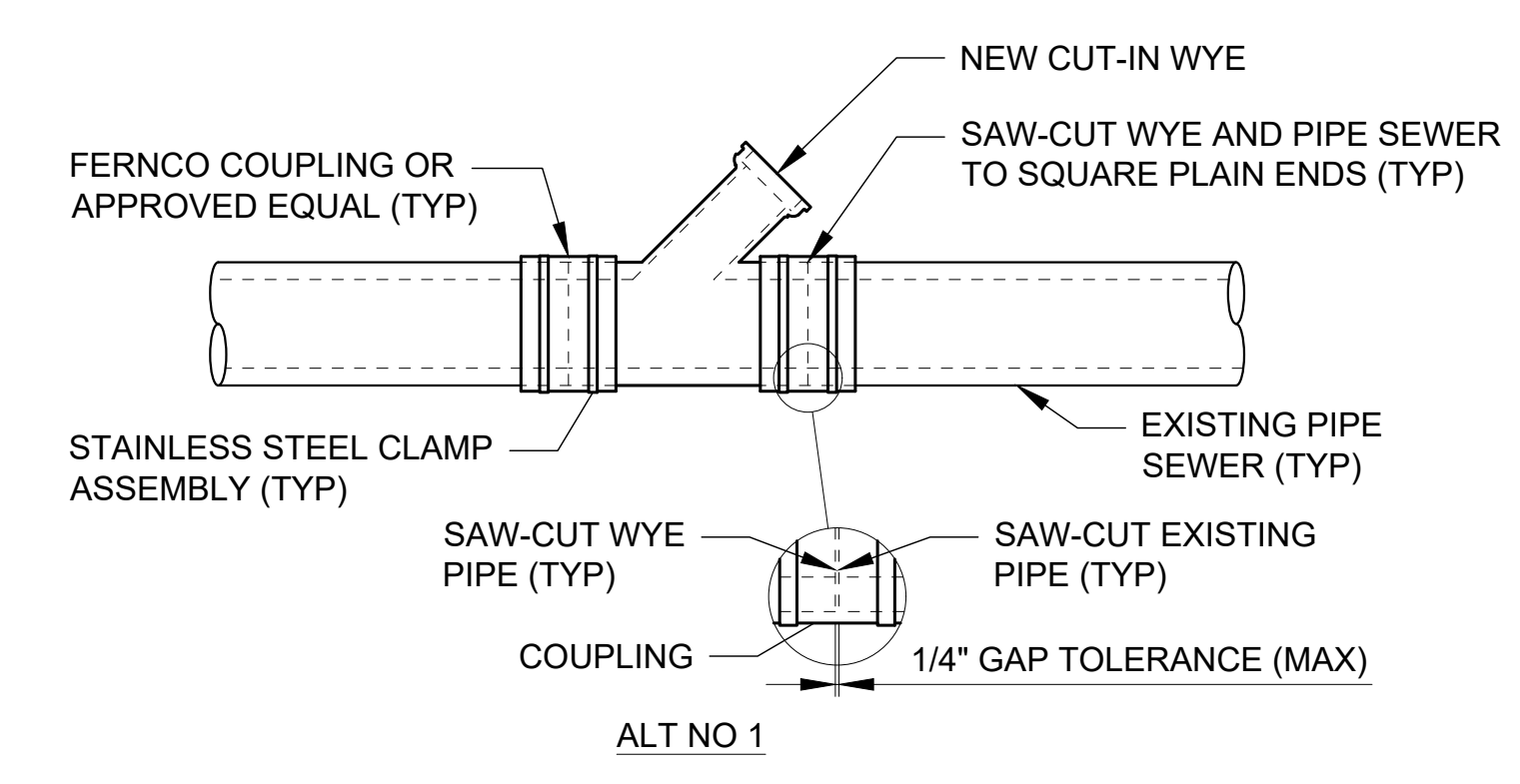
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19 NYLOPLAST 12 IN BRONZE GRATE ASSEMBLY  
SCALE: NTS



20 NYLOPLAST 12\"/>



- NOTES:
1. SAW-CUT EXISTING PIPE SEWER, NO BREAK-IN OR HAMMER CONNECTIONS PERMITTED. JOINTS MUST BE INSPECTED BY PWSA BEFORE AND AFTER FLEXIBLE COUPLINGS ARE INSTALLED.
  2. WYE MATERIAL WILL MATCH SEWER MAIN MATERIAL.
  3. PIPE MAIN ID OF NEW WYE SECTION WILL MATCH ID OF EXISTING PIPE SEWER MAIN.
  4. WYE LOCATION WILL BE LOCATED AT 2 O'CLOCK OR 10 O'CLOCK ON BARREL OF PIPE SEWER.

29 ST-7  
CUT-IN WYE PIPE TRANSITION  
SCALE: NTS



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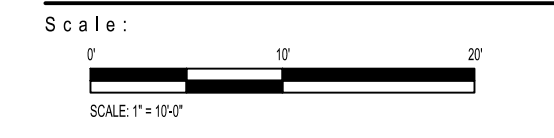
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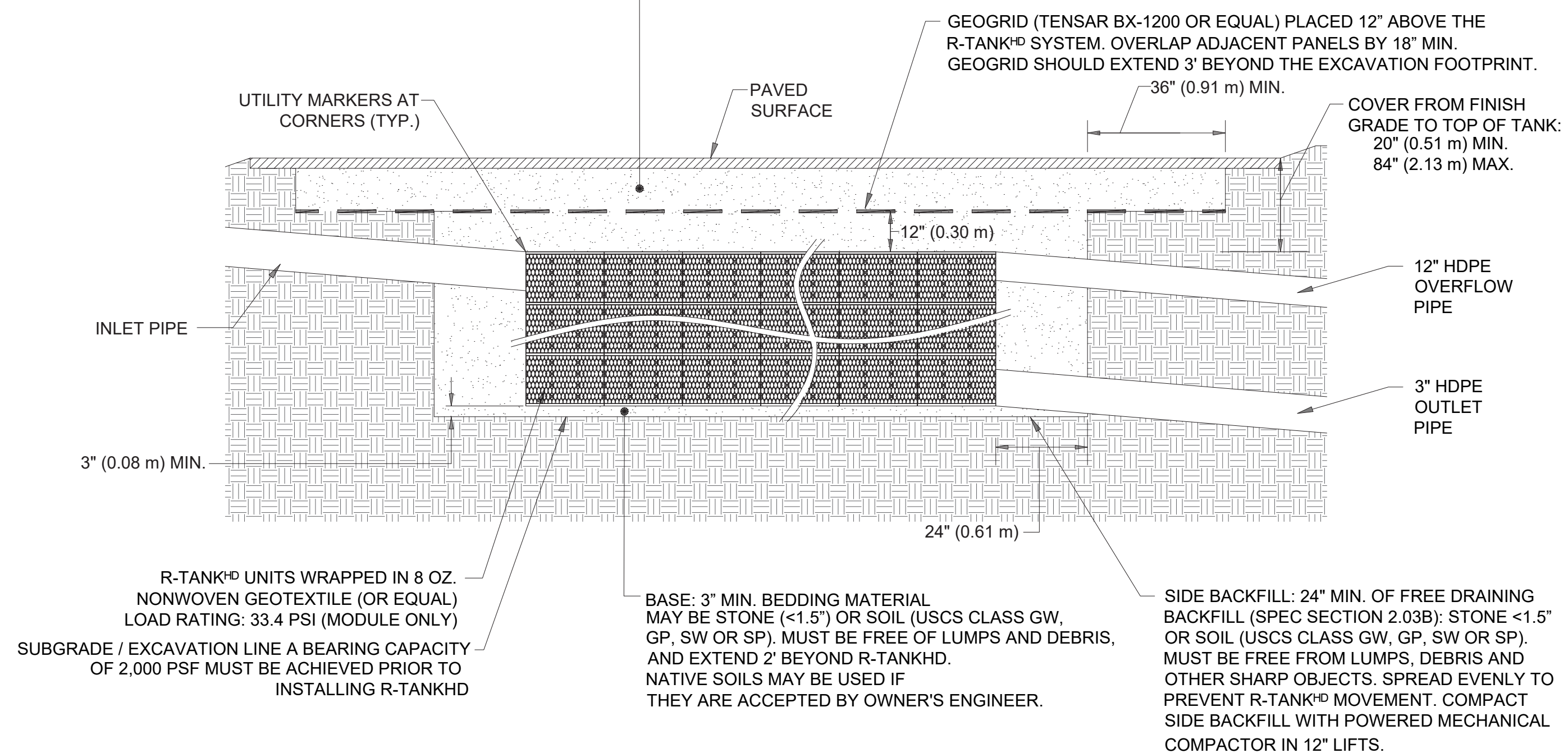
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Sheet Number:  
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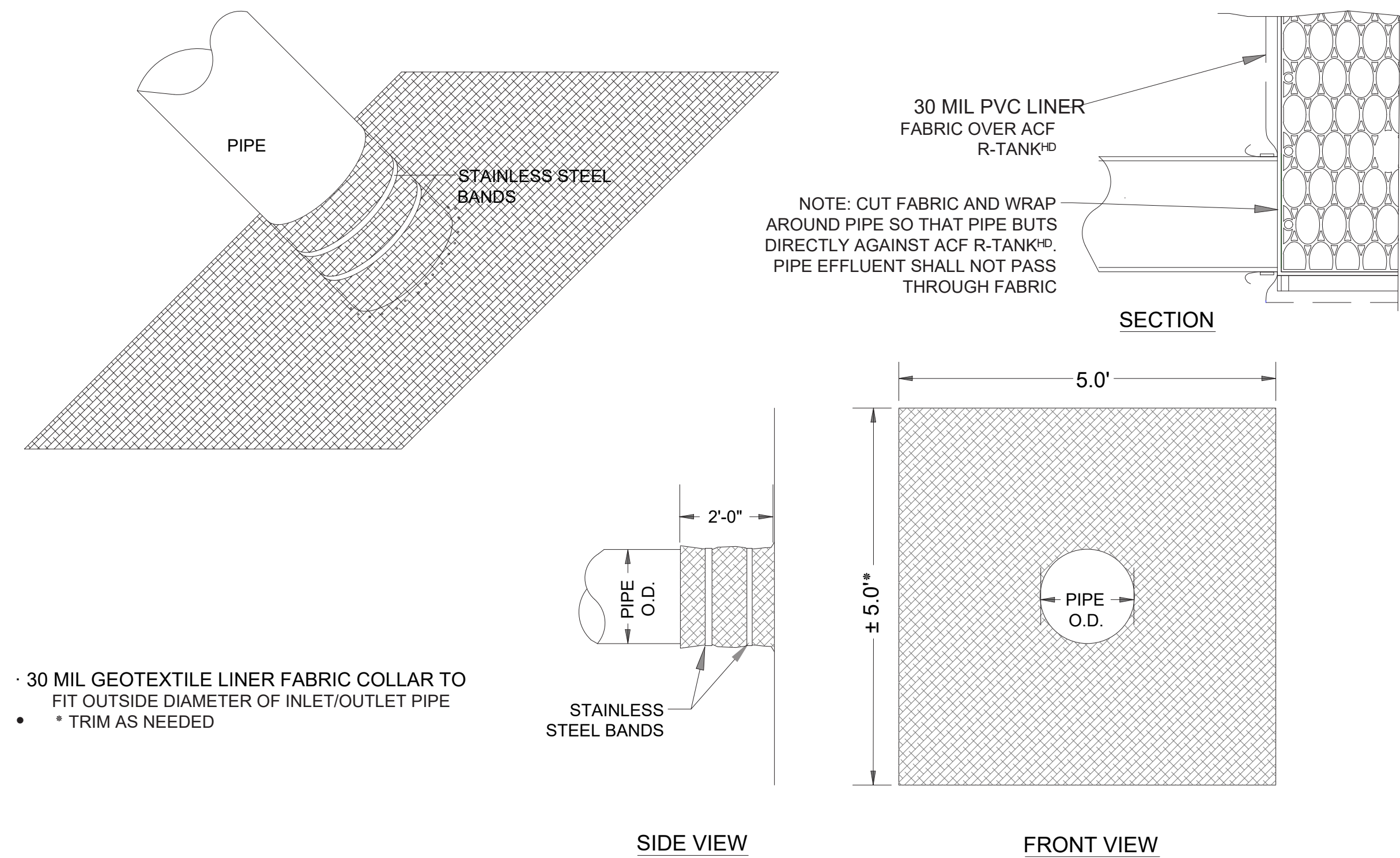
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TOTAL COVER: 20" MINIMUM AND 84" MAXIMUM. FIRST 12" MUST BE FREE DRAINING BACKFILL (SPEC SECTION 2.03B); STONE <1.5" OR SOIL (USCS CLASS GW, GP, SW OR SP). ADDITIONAL FILL MAY BE STRUCTURAL FILL (SPEC SECTION 2.03C); STONE OR SOIL (USCS CLASS SM, SP, SW, GM, GP OR GW) WITH MAX CLAY CONTENT <10%, MAX 25% PASSING NO. 200 SIEVE, AND MAX PLASTICITY INDEX OF 4. A MIN. 12" COVER MUST BE MAINTAINED BETWEEN BACKFILL EQUIPMENT AND THE TOP OF THE R-TANK™ SYSTEM AT ALL TIMES. TOTAL HEIGHT OF TOP BACKFILL SHOULD NOT EXCEED 7'. CONTACT ACF ENVIRONMENTAL IF MORE THAN 7' OR LESS THAN 20" OF TOP BACKFILL IS REQUIRED (FROM TOP OF TANK TO TOP OF PAVEMENT).

- NOTES:
- FOR COMPLETE MODULE DATA, SEE APPROPRIATE R-TANK® MODULE SHEET.
  - INSTALLATIONS PER THIS DETAIL MEET GUIDELINES OF HL-93 LOADING PER THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, CUSTOMARY U.S. UNITS, 7TH EDITION, 2014 WITH 2015 AND 2016 INTERIM REVISIONS.
  - PRE-TREATMENT STRUCTURES NOT SHOWN.
  - FOR INFILTRATION APPLICATIONS, GEOTEXTILE ENVELOPING R-TANK SHALL BE ACF M200 (PER SPEC SECTION 2.02A) AND BASE SHALL BE 4" MIN. UNCOMPACTED FREE DRAINING BACKFILL (SPEC SECTION 2.03A) TO PROVIDE A LEVEL BASE. SURFACE MUST BE SMOOTH, FREE OF LUMPS OR DEBRIS, AND EXTEND 2' BEYOND R-TANK® FOOTPRINT.



21 HEAVY DUTY MODULE ACF-R TANK  
SCALE: NTS

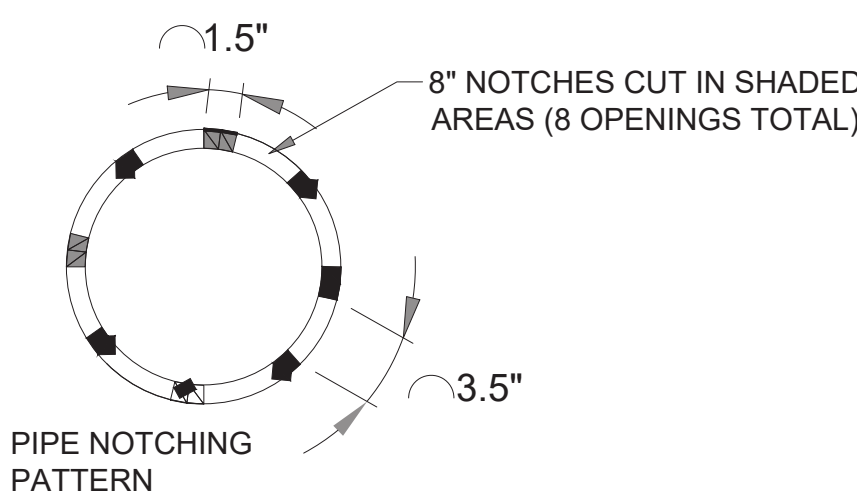


23 GEOTEXTILE PIPE BOOT FOR R-TANK®  
SCALE: NTS

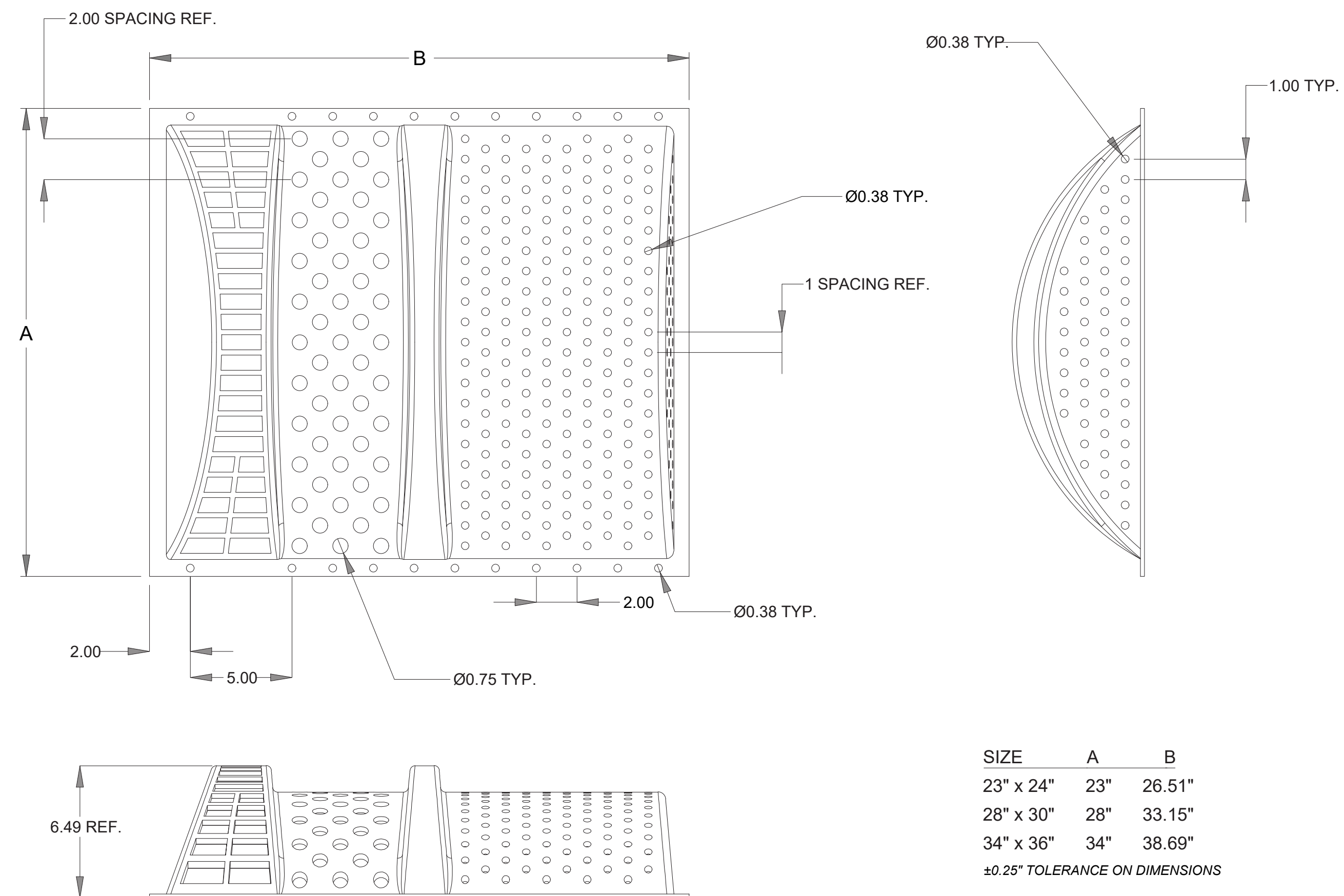
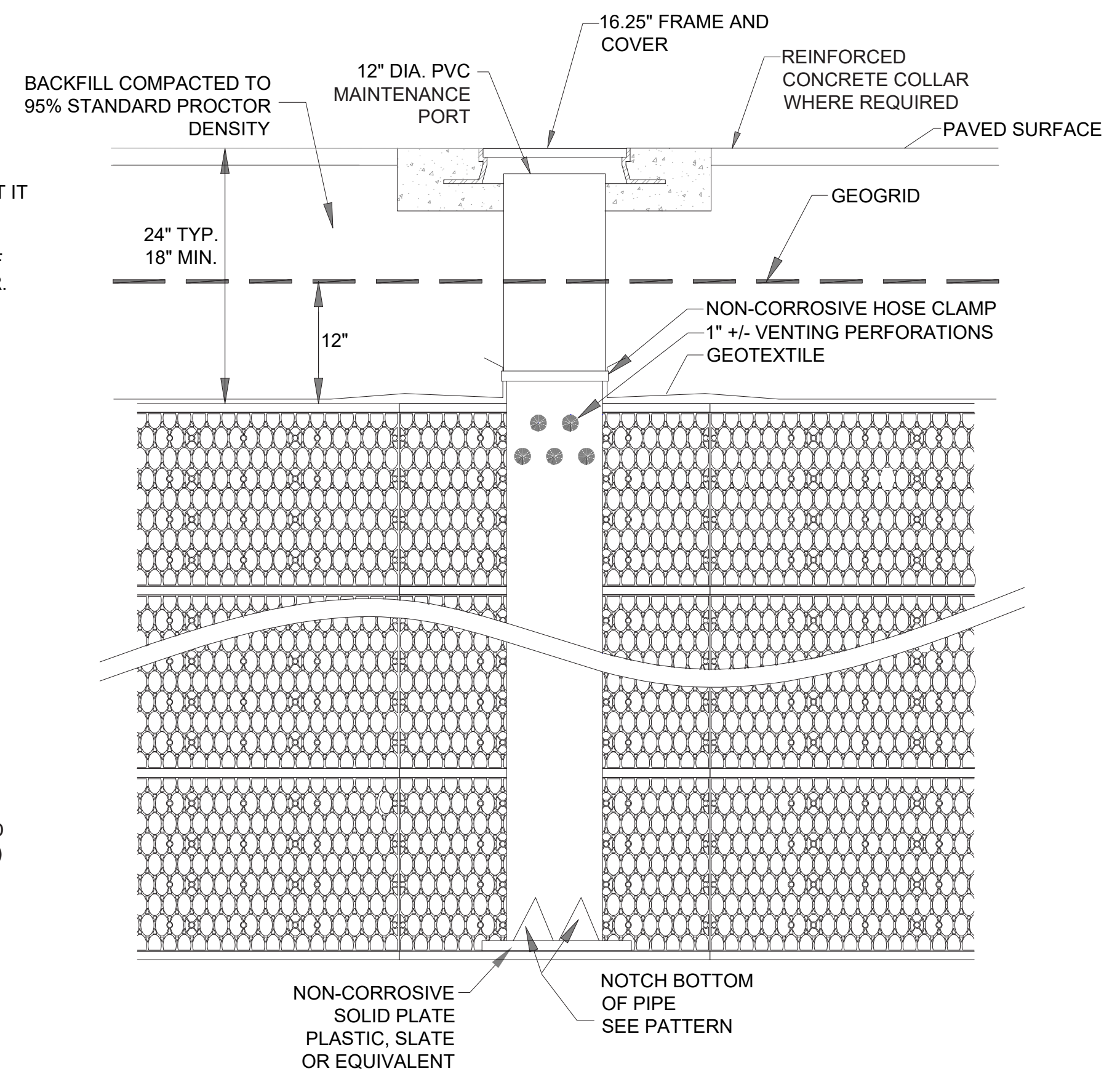
- NOTES
- THIS PORT IS USED TO PUMP WATER INTO THE SYSTEM AND RE-SUSPEND ACCUMULATED SEDIMENT SO THAT IT MAY BE PUMPED OUT.
  - MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION DURING THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER. FLUSH AS NEEDED.
  - ONLY R-TANK® AND R-TANKSD MAY BE USED IN TRAFFIC APPLICATIONS.

DEPTH SUMMARY

TYPE	A	B
R-TANK	12" MIN - 36" MAX	AS SHOWN ON PLANS
R-TANK®	20" MIN - 6.99" MAX	12"
R-TANKSD	18" MIN - 9.99" MAX	12"



22 R-TANK® TYPICAL MAINTENANCE PORT  
SCALE: NTS



20 TRASH GUARD PLUS DETAIL  
SCALE: NTS



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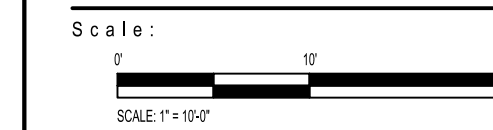
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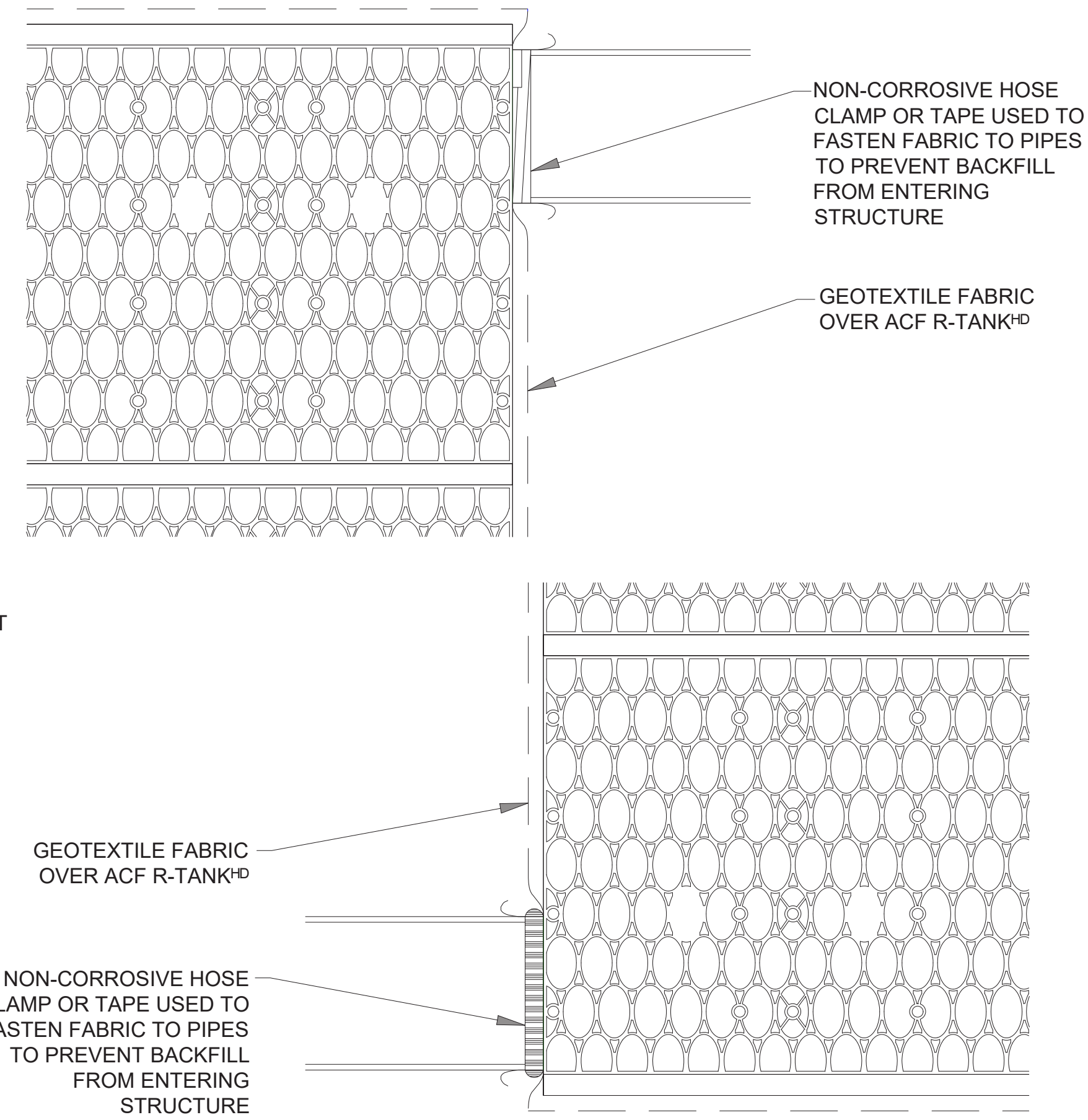
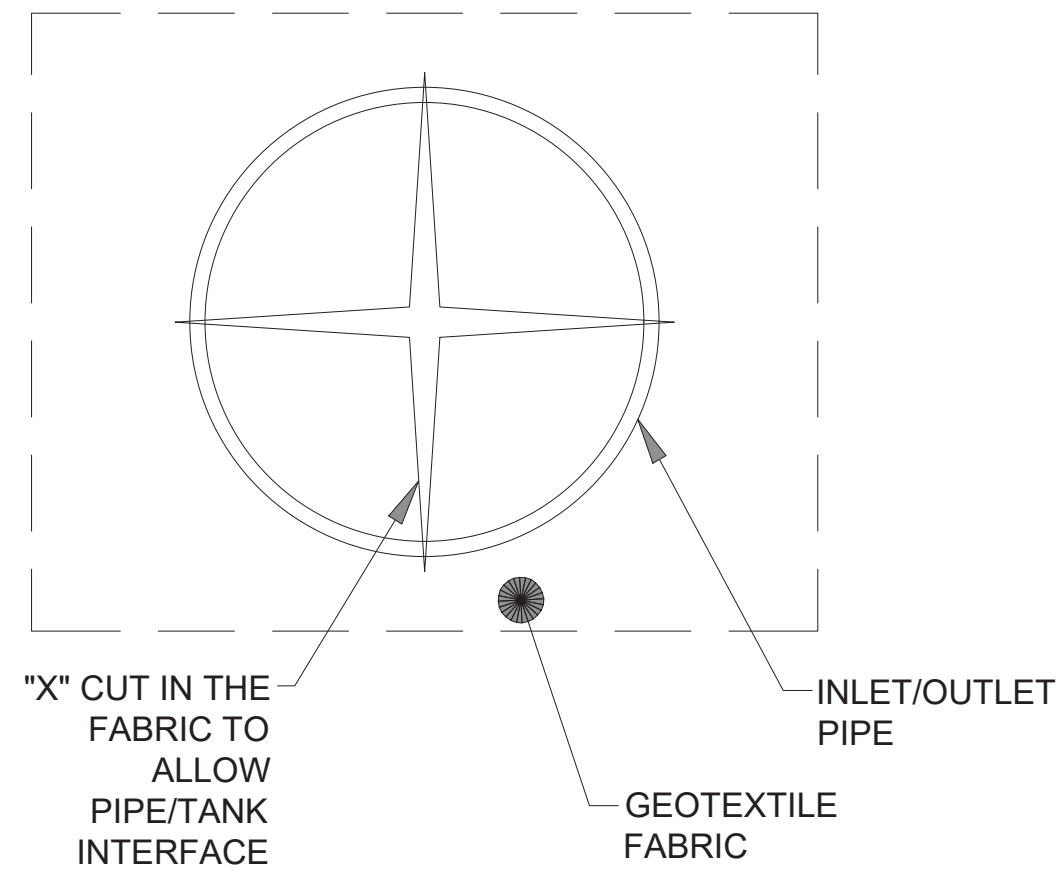
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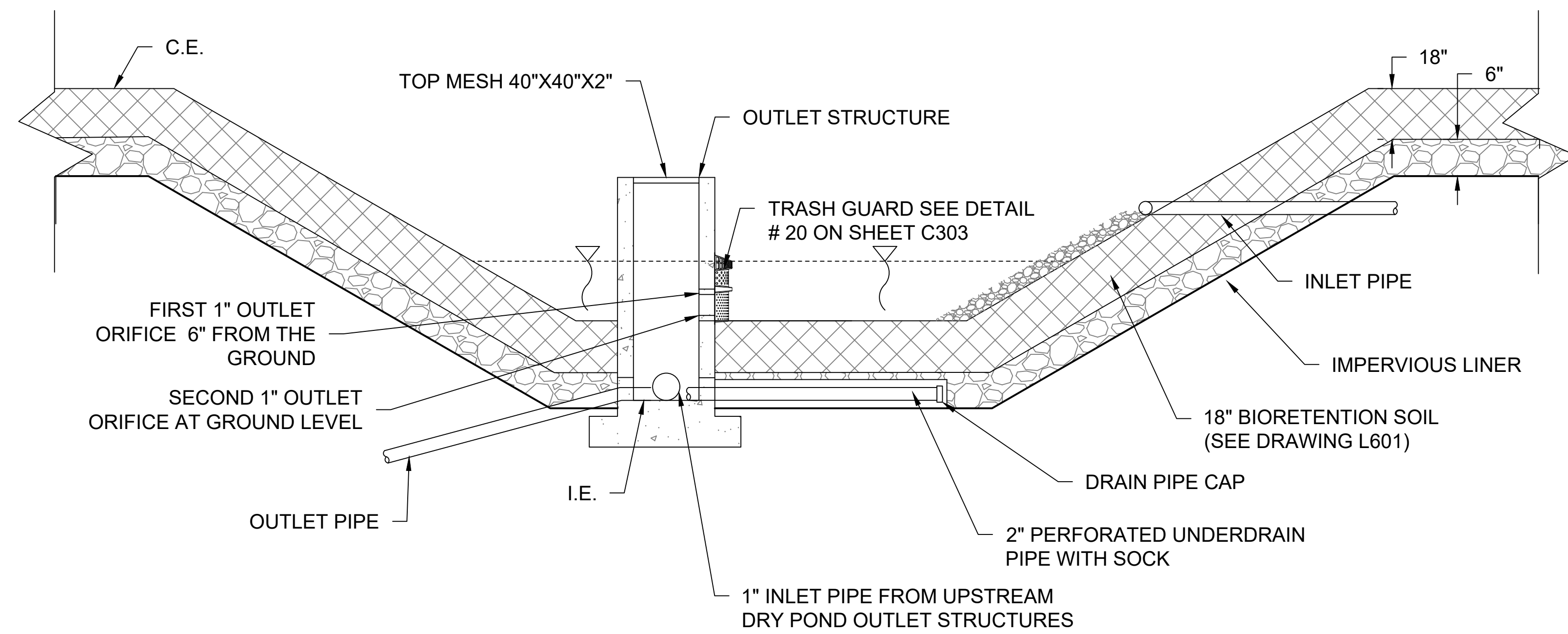
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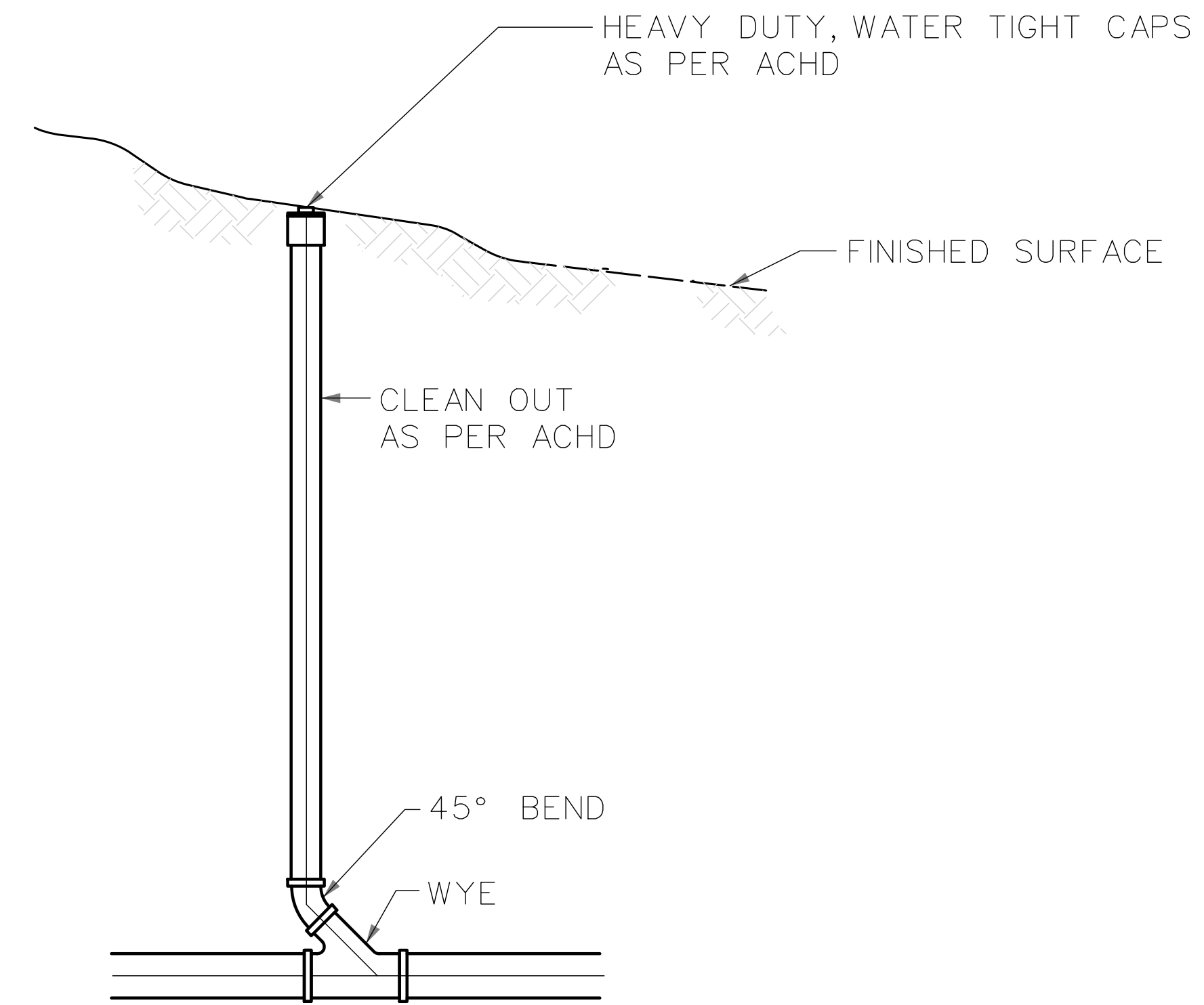
END VIEW OF PIPE/FABRIC CONNECTION. CUT AN "X" IN THE FABRIC SLIGHTLY LARGER THAN PIPE, PULL THE FABRIC AROUND THE PIPE TO CREATE THE "BOOT" AND THEN SECURE WITH A HOSE-CLAMP.



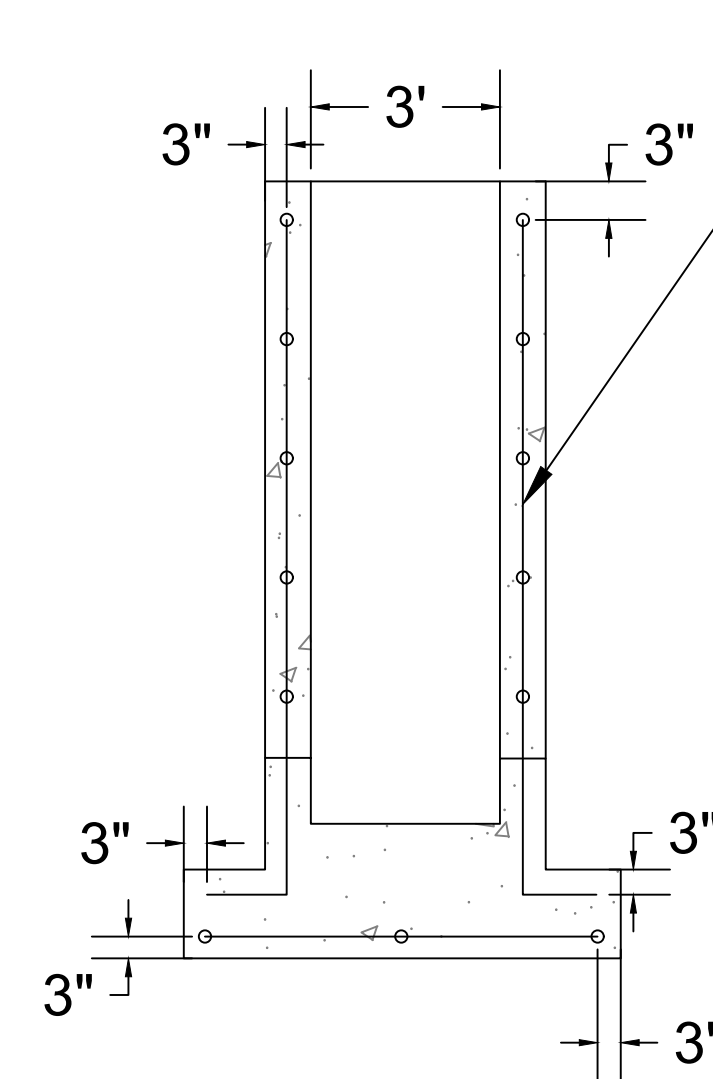
25 R-TANK<sup>HD</sup> TYPICAL TANK INLET/OUTLET DETAIL  
SCALE: NTS



27 DRY POND  
SCALE: NTS



26 CLEANOUT  
SCALE: NTS



CONSTRUCT INLET BOX IN ACCORDANCE WITH THE REQUIREMENTS OF PUBLICATION 408, SECTION 605

DRY POND			
NAME	OUTLET STRUCTURE HEIGHT	# OF UNDERDRAIN LINES	OUTLET PIPE INVERT
DRY POND 01	6	2	911.14
DRY POND 02	5	1	908.00
DRY POND 03	6	2	906.00
DRY POND 04	6	1	903.00
DRY POND 05	5	2	900.00
DRY POND 06	5	1	898.00

28 STRUCTURE DETAILS  
SCALE: NTS



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Revisions:



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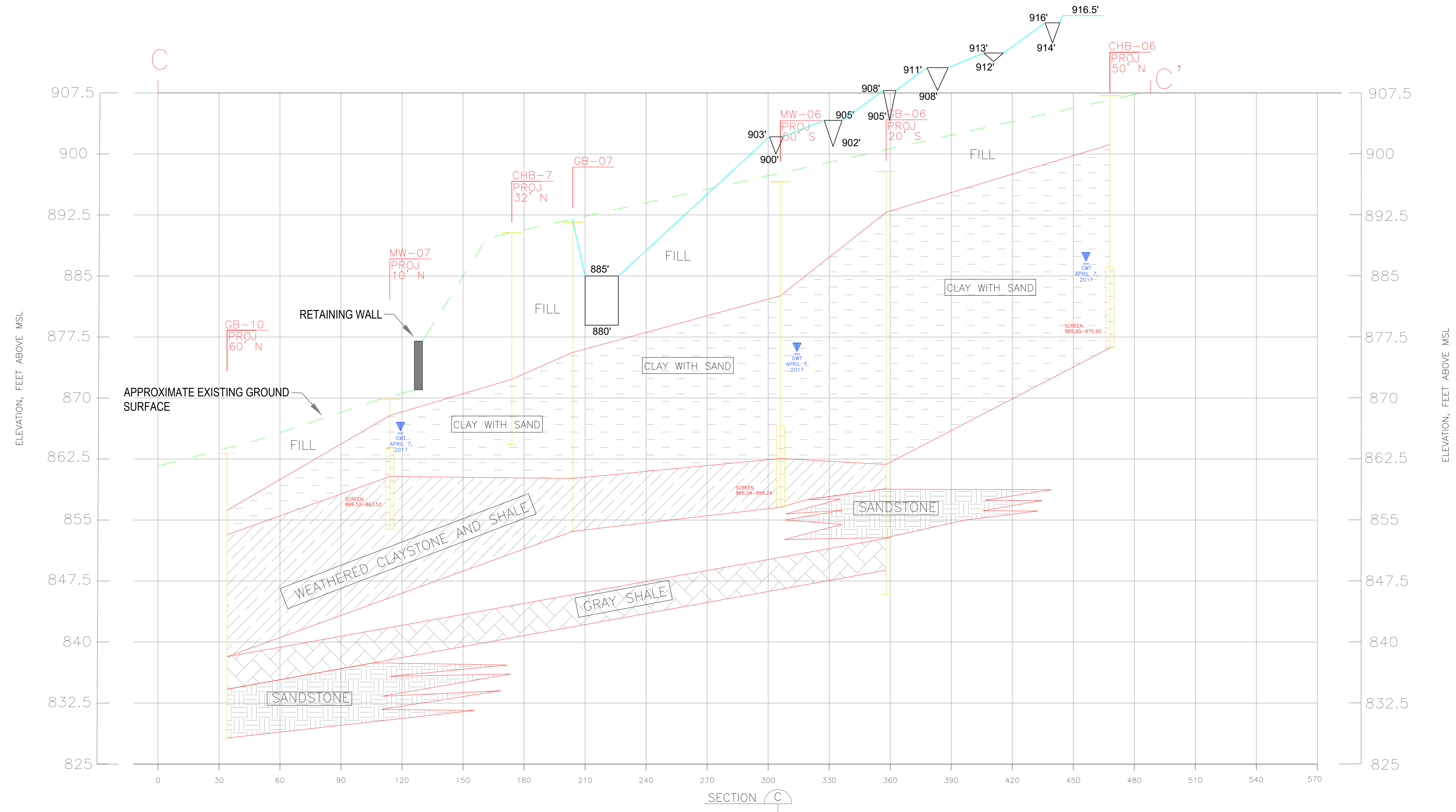
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# GEOLOGICAL CROSS-SECTION C-C' LOOKING NORTHEAST



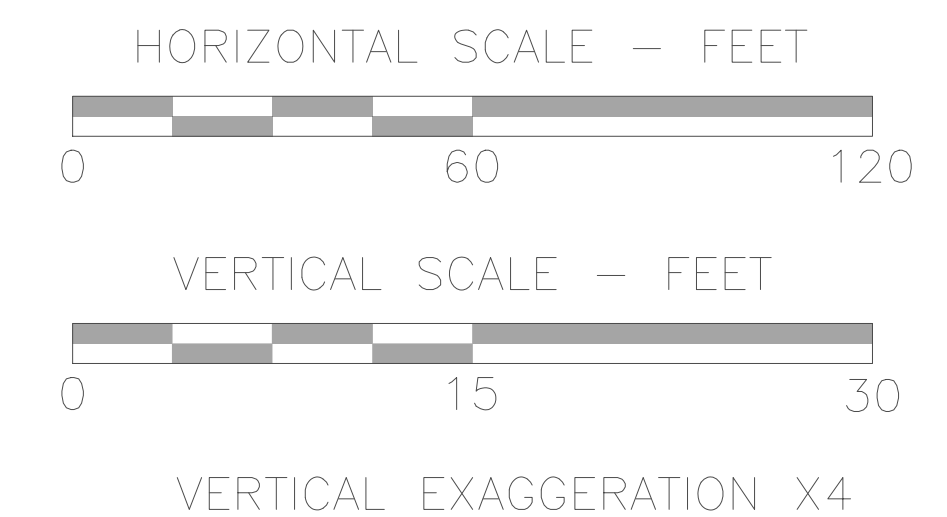
### LEGEND

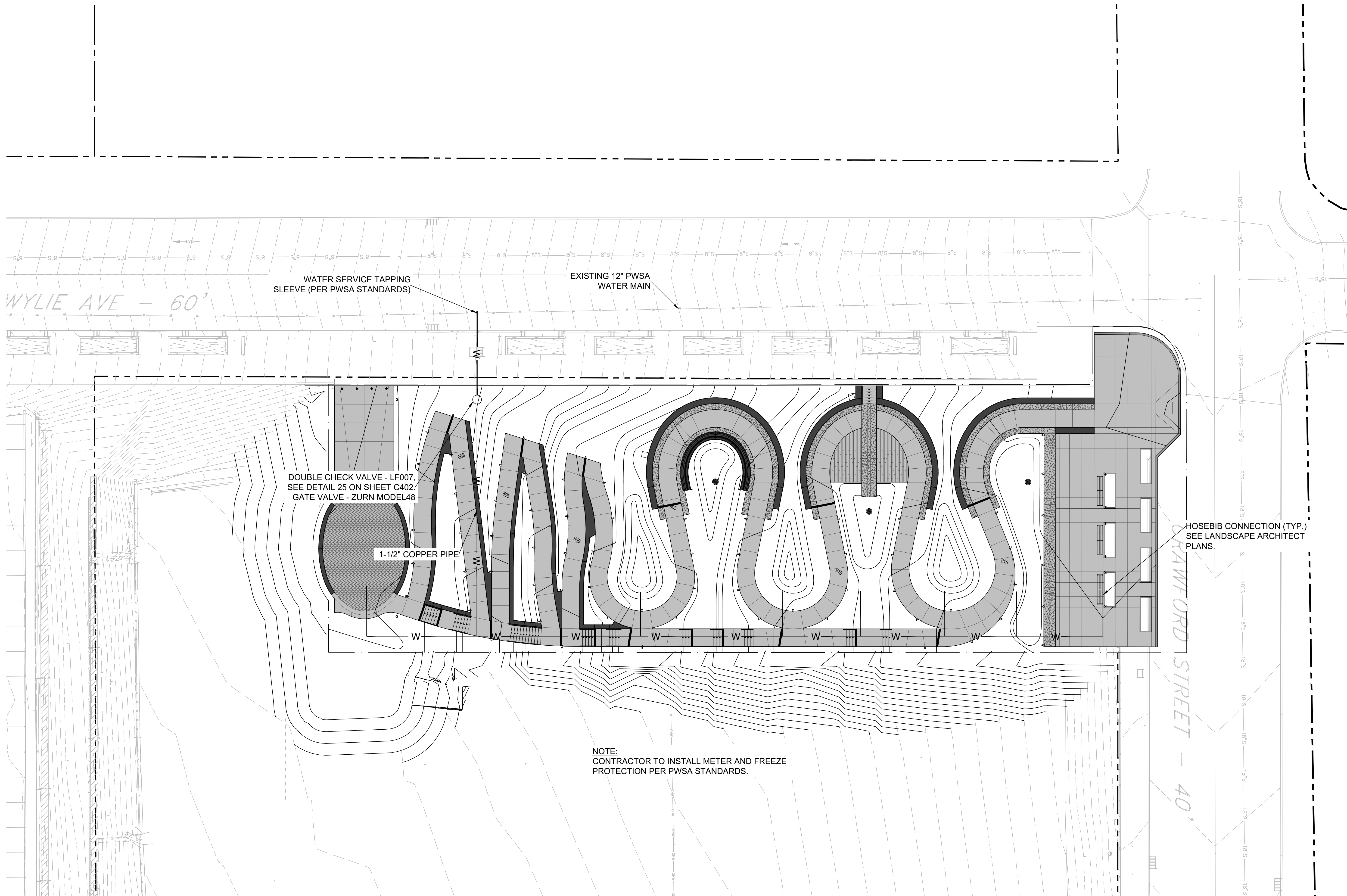
SAMPLE ID  
SOIL BORING / MONITORING WELL  
BOTTOM OF BORING

- FILL (CLAY/GRAVEL/DEMO DEBRIS)
- CLAY WITH SAND
- WEATHERED CLAYSTONE AND SHALE

- SHALE
- SANDSTONE
- POND
- WATER RESERVOIR

- MATERIAL BOUNDARY
- APPROXIMATE EXISTING GROUND SURFACE
- GROUNDWATER LEVEL  
APRIL 7, 2017
- SITE GRADING & DRAINAGE PROFILE





WATER SERVICE TAPPING SLEEVE (PER PWSA STANDARDS)

EXISTING 12" PWSA WATER MAIN

DOUBLE CHECK VALVE - LF007, SEE DETAIL 25 ON SHEET C402. GATE VALVE - ZURN MODEL48

1-1/2" COPPER PIPE

HOSEBIB CONNECTION (TYP.) SEE LANDSCAPE ARCHITECT PLANS.

NOTE: CONTRACTOR TO INSTALL METER AND FREEZE PROTECTION PER PWSA STANDARDS.

PROPOSED LEGEND		EXISTING LEGEND	
LIMIT OF DISTURBANCE	— — — — —	LIMIT OF DISTURBANCE	— — — — —
SANITARY LINE	- - - - -	SANITARY LINE	- - - - -
STORM LINE	· · · · ·	STORM LINE	· · · · ·
WATER LINE	— — — — —	WATER LINE	— — — — —
MAJOR CONTOUR	— — — — —	MAJOR CONTOUR	— — — — —
MINOR CONTOUR LINE	- - - - -	MINOR CONTOUR LINE	- - - - -
UNDERGROUND ELECTRIC	— — — — —	PROPERTY LINE	— — — — —



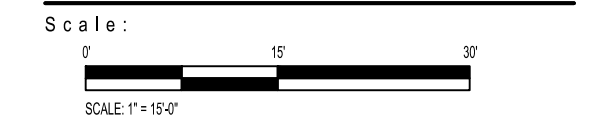
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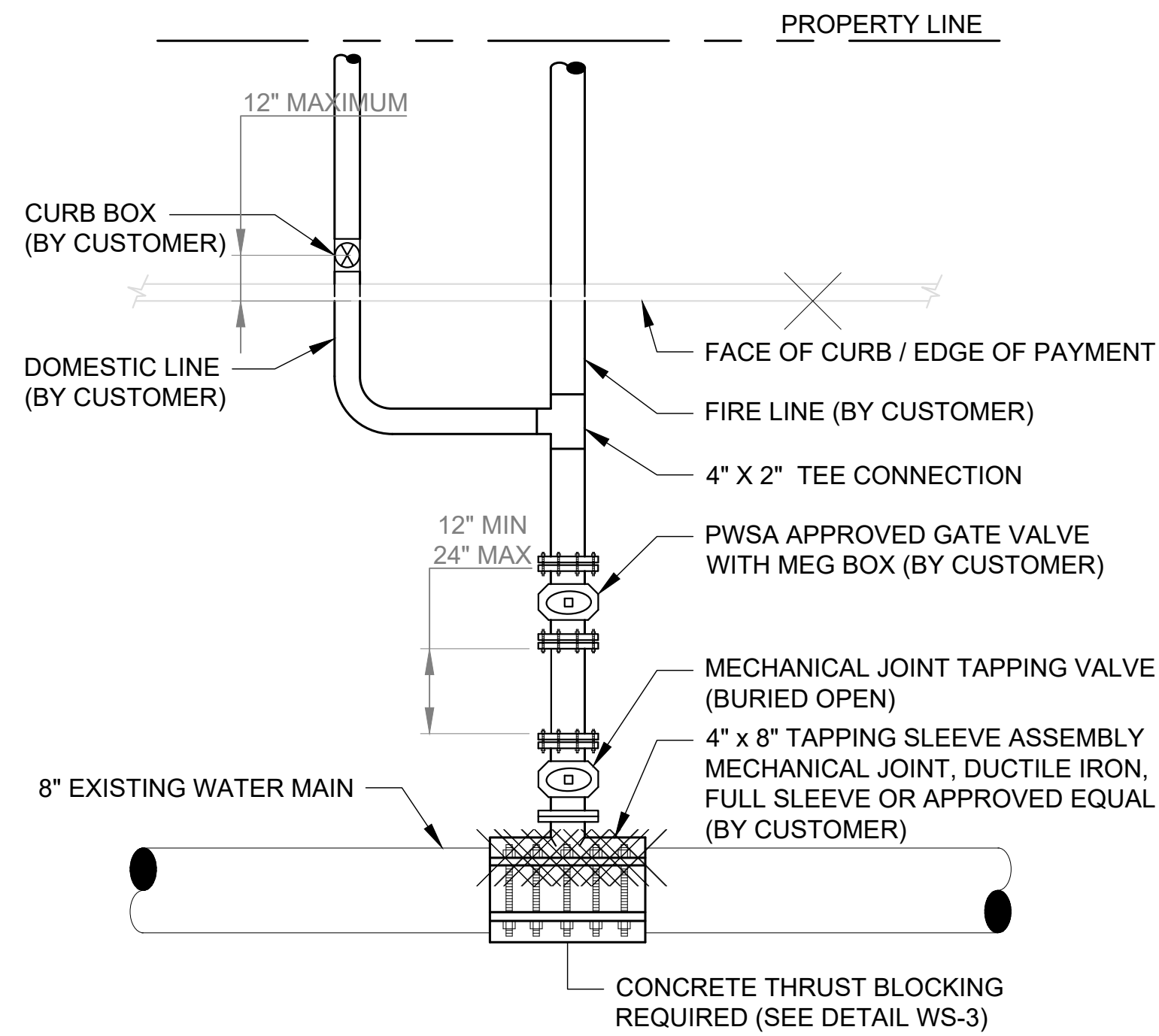


Sheet Name:  
**WATER SUPPLY PLAN**

Submission:  
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Sheet Number:  
**C400**

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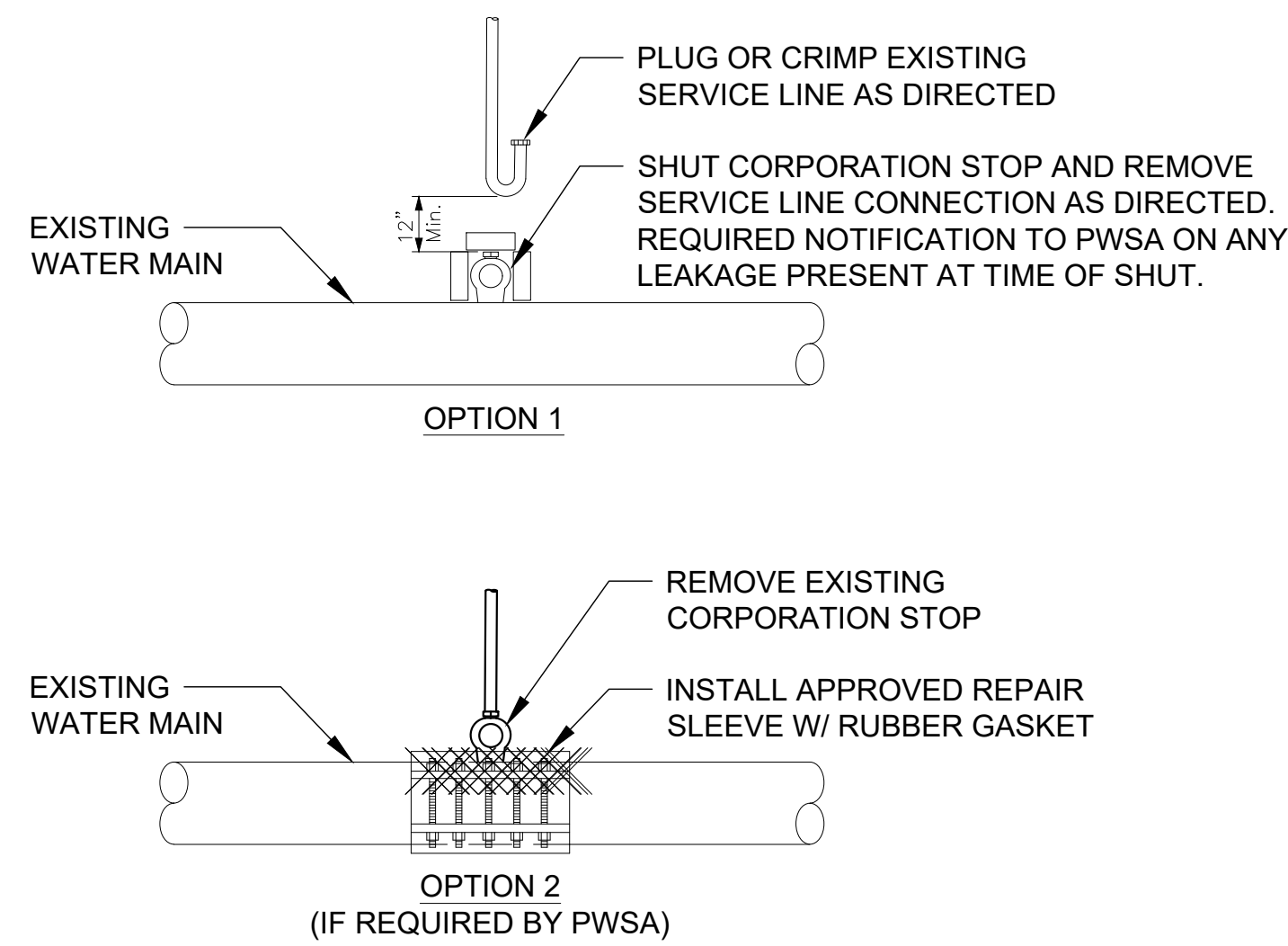


- NOTES:
1. PWSA PERFORMS ACTUAL TAP TO MAIN ONLY AND MAINTAINS METER; ALL OTHER WORK BY CUSTOMER.
  2. TAPPING TEE SHALL BE FULL SLEEVE; SADDLE STYLE NOT PERMITTED.
  3. CUSTOMER IS REQUIRED TO ENTER VALUES FOR ALL DIMENSION FIELDS ABOVE.
  4. CUT-IN TEE CONNECTION ALSO ACCEPTABLE AND IS REQUIRED FOR SIZE ON SIZE (e.g. 8" TAP ON 8" MAIN).
  5. CENTERING OF TAPPING TEE CONNECTION SHALL BE 18" MINIMUM FROM EXISTING WATER MAIN BELL/HUB OR OTHER EXISTING SERVICE CONNECTIONS.
  6. CUSTOMER IS RESPONSIBLE FOR, MAINTAINS, AND OWNS, INCLUDING THE TAPPING TEE ASSEMBLY, FROM THE MAIN TO THE BUILDING.
  7. ADDITIONAL BACKFLOW PREVENTION (RPZ TYPE) REQUIRED INTERNALLY ON COMMERCIAL OR HIGH HAZARD PROPERTIES.
  8. ALL VALVES MUST BE "RIGHT TURN TO OPEN".
  9. PRIVATE SERVICE LINE MATERIAL AND EQUIPMENT SHALL CONFORM TO ALLEGHENY COUNTY PLUMBING CODE, ARTICLE XV.

**WS-C1**  
SINGLE SERVICE CONNECTION  
(4" AND LARGER)

21

SCALE: NTS

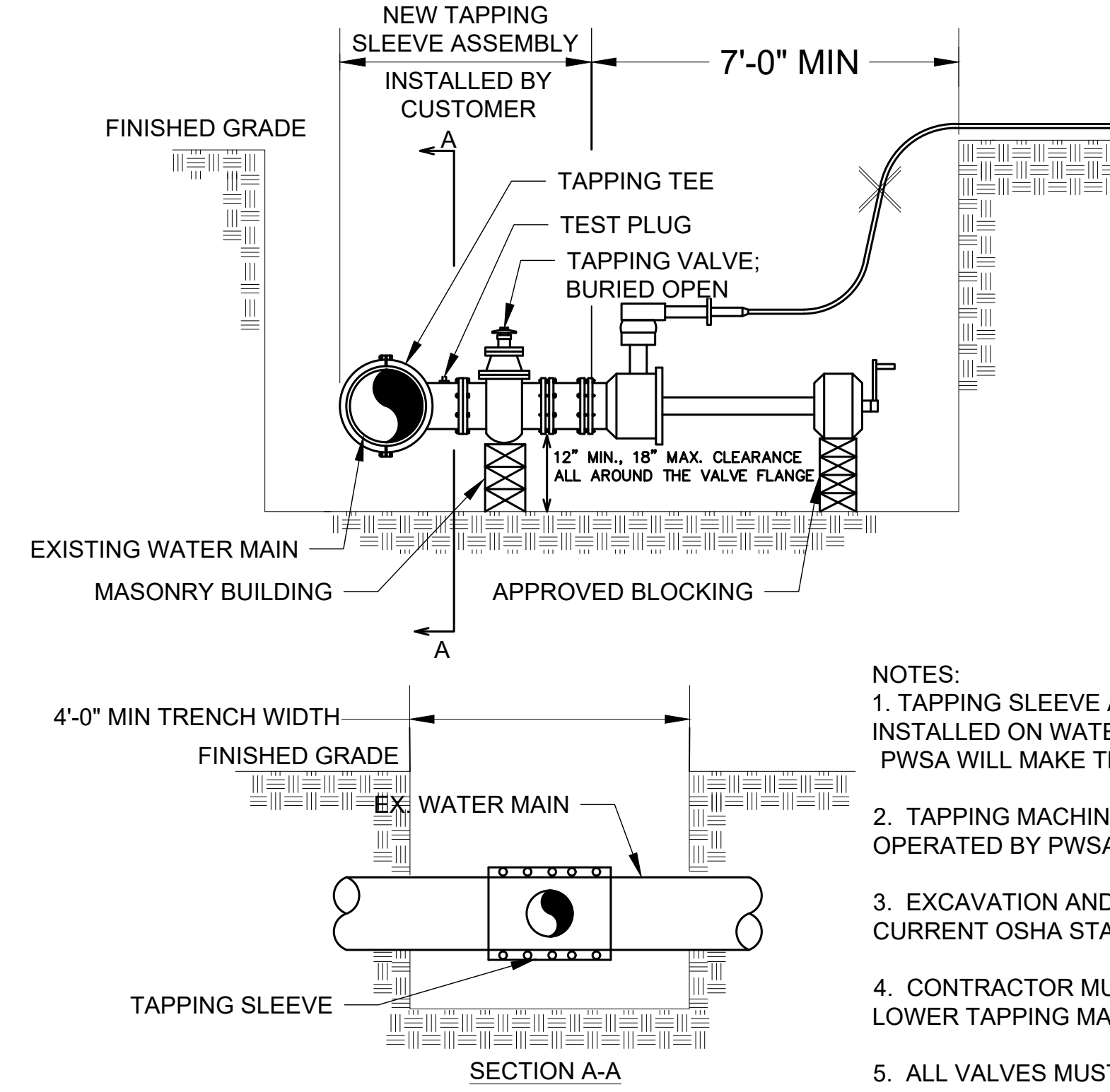


- NOTES:
1. OPTION 2 REQUIRES MAIN LINE SHUT; THIS WOULD BE ADDITIONAL PWSA CHARGE.
  2. TERMINATION OPTION FROM ABOVE AS DIRECTED BY PWSA

**WS-ST3**  
TYPICAL WATER TAP SERVICE TERMINATION FOR 2" AND SMALLER CONNECTION

23

SCALE: NTS

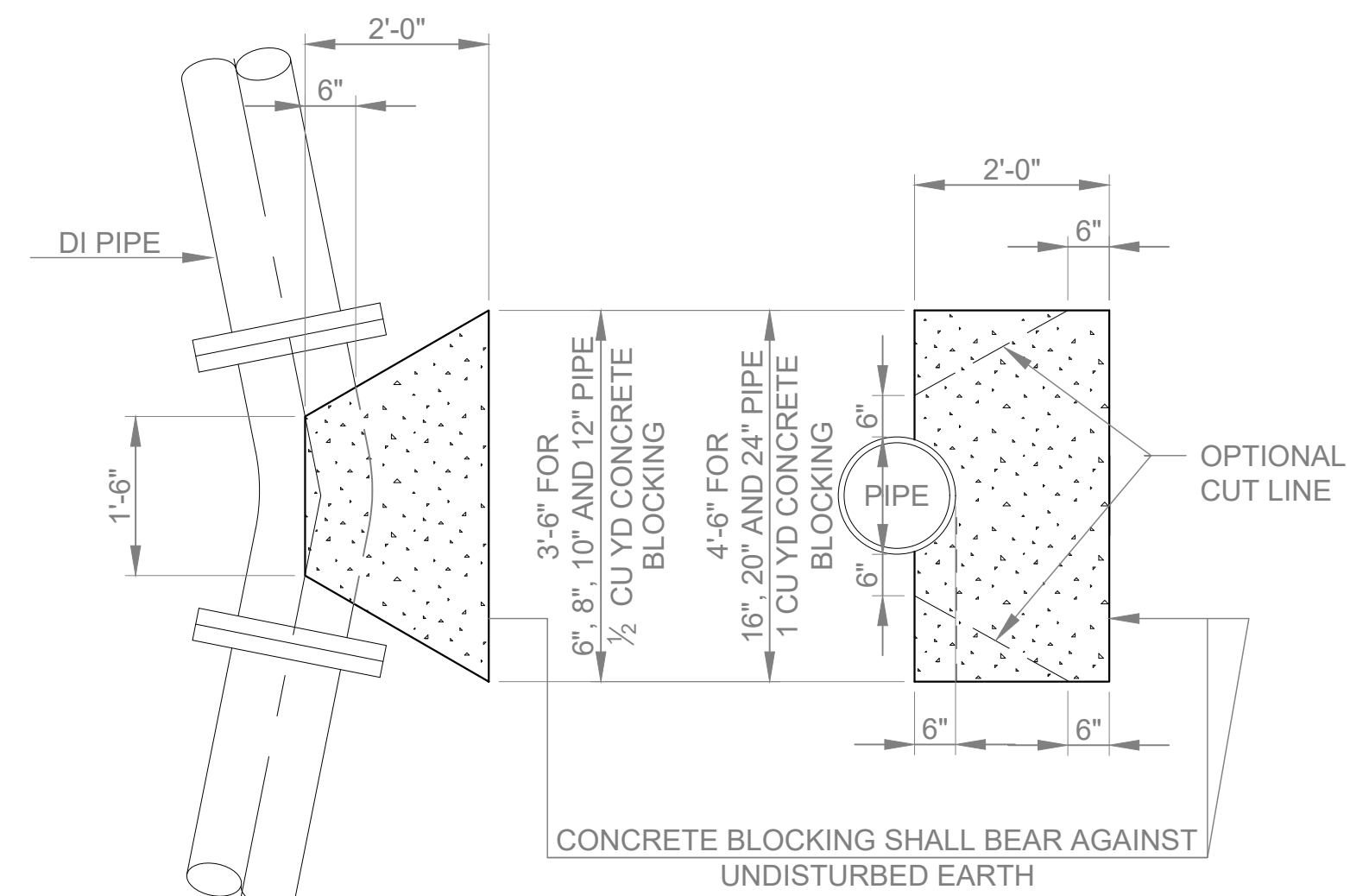


- NOTES:
1. TAPPING SLEEVE AND TAPPING GATE TO BE INSTALLED ON WATER MAIN BY THE CONTRACTOR. PWSA WILL MAKE THE ACTUAL TAP.
  2. TAPPING MACHINE TO BE MOUNTED AND OPERATED BY PWSA.
  3. EXCAVATION AND SHORING REQUIRED AS PER CURRENT OSHA STANDARDS.
  4. CONTRACTOR MUST SUPPLY EQUIPMENT TO LOWER TAPPING MACHINE IN TO TRENCH.
  5. ALL VALVES MUST BE "RIGHT TURN TO OPEN".

**WS-B**  
TRENCH REQUIREMENTS FOR 4" THROUGH 12" LIVE WATER TAP

22

SCALE: NTS



- NOTES:
1. CONCRETE THRUST BLOCKING SHALL BE PROVIDED AT ALL TEES, BENDS, CAPS AND PLUGS. IN ADDITION, ALL PIPE BENDS SHALL BE HARNESSSED WITH MECHANICAL JOINT RETAINER GLANDS, USEING EITHER SET SCREW OR LUG TYPE RETAINING SYSTEM, AS DIRECTED.
  2. CONCRETE THRUST BLOCKS SHALL BE MINIMUM 4000PSI CEMENT CONCRETE.
  3. SEE DETAIL WS-VB AND WS-VBL FOR VERTICAL BENDS REQUIREMENTS.

**WS-3**  
CONCRETE BLOCKING FOR PRESSURE PIPE

24

SCALE: NTS



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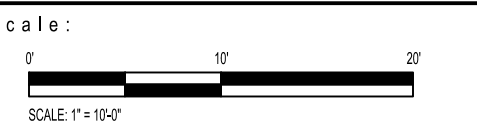
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Pittsburgh, PA

Project Number:  
21020:1  
Drawn by:  
BN | SD  
Checked by:  
CS | BD  
Date:  
April 28, 2023  
Revisions:



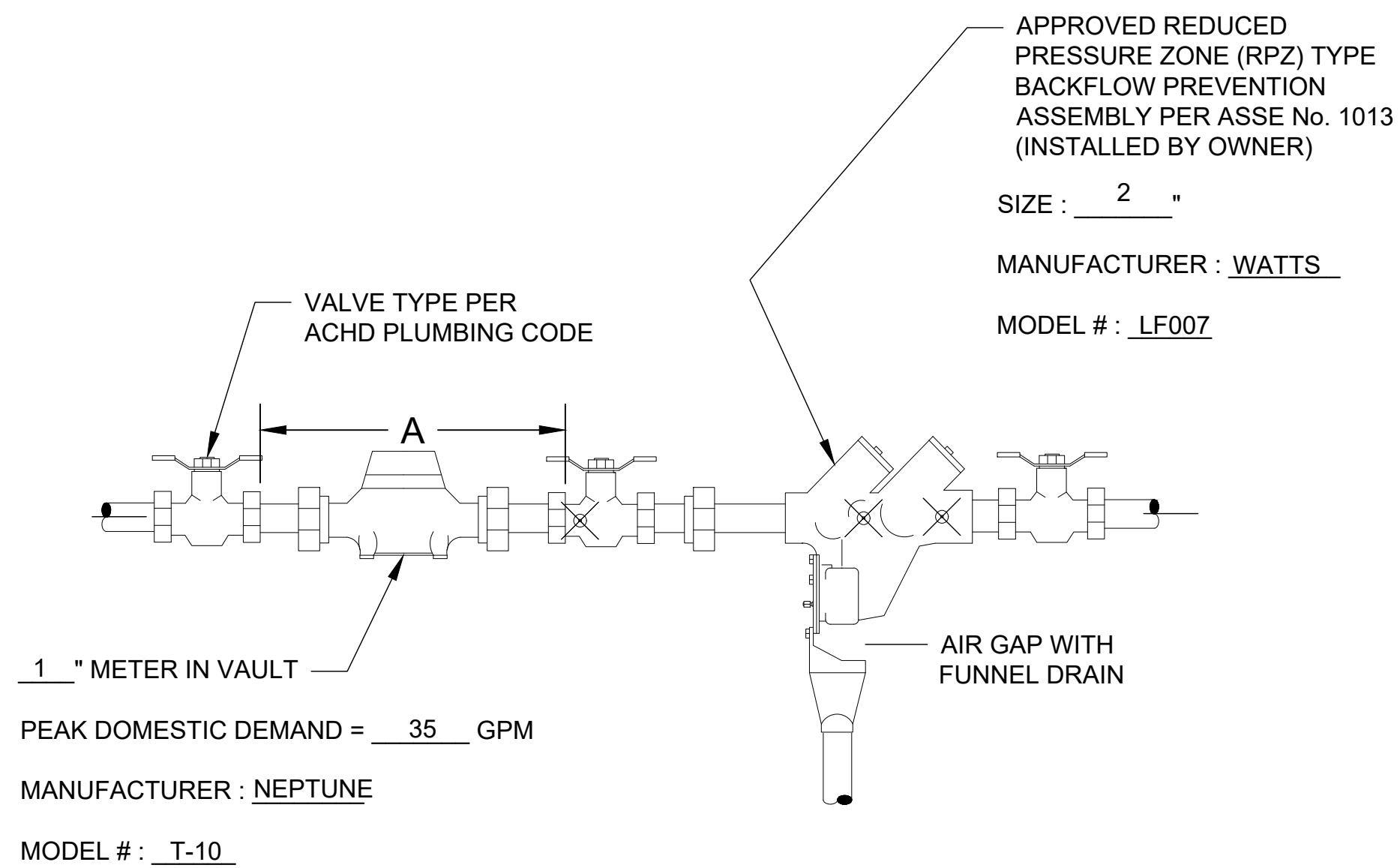
Sheet Name:  
**WATER SUPPLY DETAIL**

Submission:  
100% Construction Documents

Sheet Number:

**C401**

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**WS-5CDI**  
DOMESTIC SERVICE INTERNAL METER SETTING  
COMMERCIAL AND MULTI-FAMILY

25

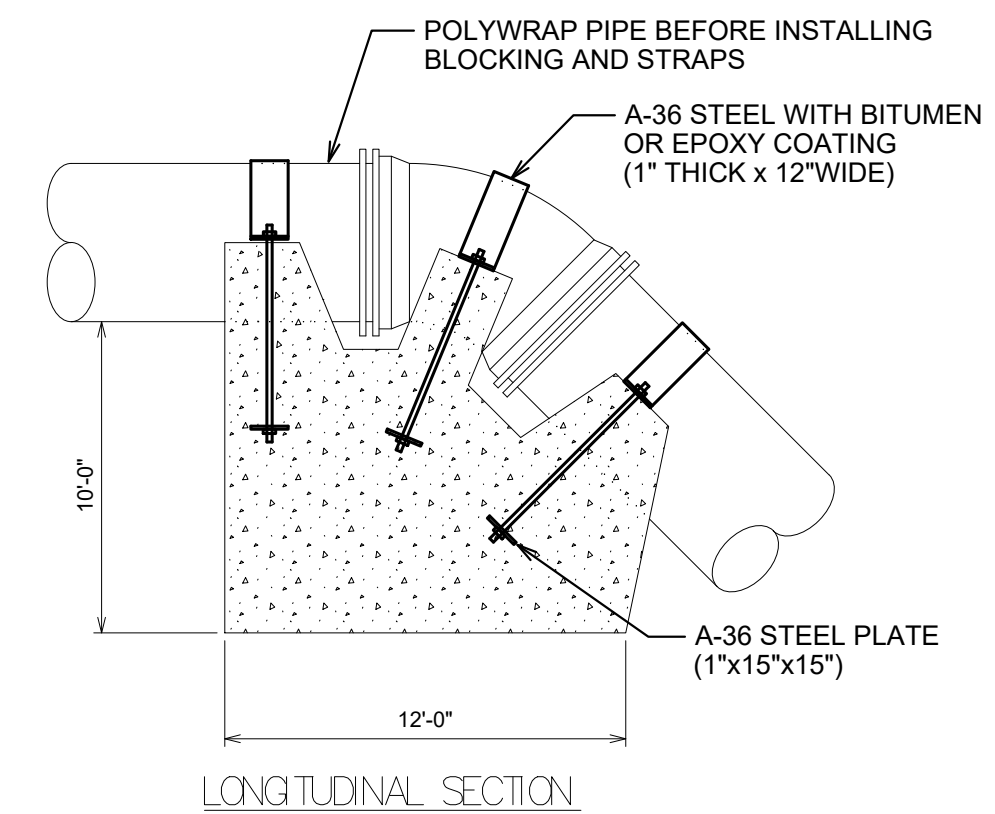
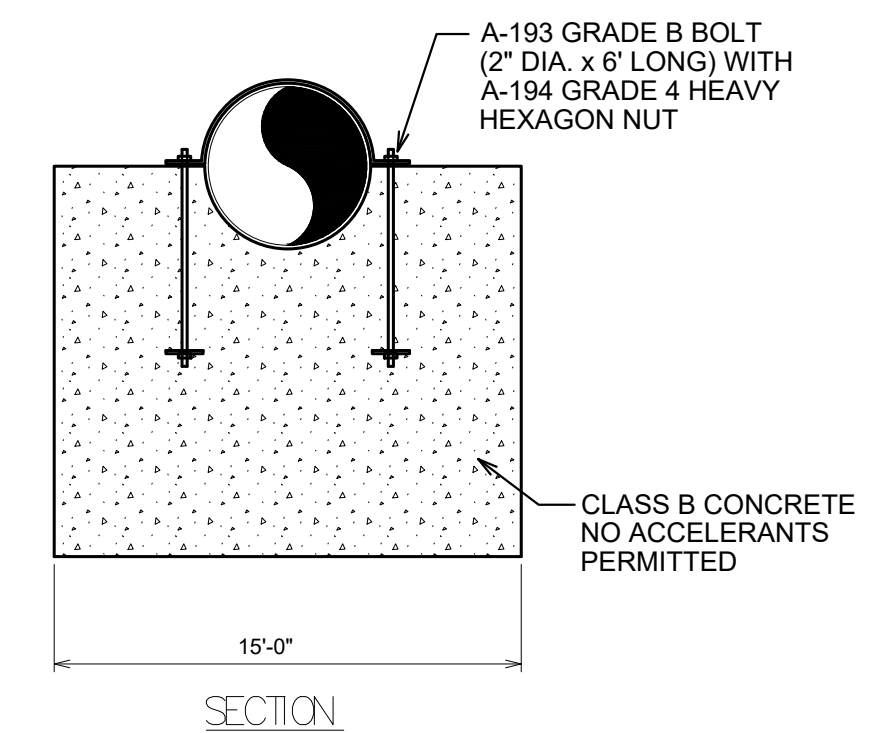
SCALE: NTS

**NOTES:**

- METER TO BE INSTALLED IN A WARM, NON-FREESING, ACCESSIBLE AREA WITHIN DWELLING, A MINIMUM OF 2'-0" FROM FLOOR AND A MAXIMUM OF 3'-0" FROM POINT OF ENTRY AND/OR FROM INSIDE WALL.
- SEE ACHD PLUMBING CODE FOR ADDITIONAL PIPING AND PRESSURE REGULATOR REQUIREMENTS.
- PROPER METER ACCESS REQUIRED. METER SETTING CAN NOT BE IN A RESTRICTED AREA (EG UNDER STEPS, BEHIND FURNACE OR HOT WATER TANK), OR IN OTHER OBSTRUCTED AREAS IN ANY WAY.
- METER SETTING VALUES:

SIZE	COUPLING SPACE A	METER TAIL-PIECE	FLOW (GPM)
5/8"	12.5"	1/2"	20
5/8" x 3/4"	12.5"	3/4"	20
3/4"	14.25"	3/4"	30
1"	16.5"	1"	50

- THE METER AND MXU SHALL BE PURCHASED FROM AND INSTALLED BY PWSA.
- METER ASSEMBLY SETTINGS MUST BE INSTALLED BY THE CUSTOMER BEFORE THE METER WILL BE SET INCLUDING METER SIGNAL WIRING.
- CUSTOMER SHALL PROVIDE PROPER DRAIN AT METER SETTING LOCATION.
- METER MUST BE INSTALLED IN A HORIZONTAL POSITION ONLY.
- CUSTOMER TO BE PROVIDE DATA FOR PROPER PWSA SIZING AND PEAK DOMESTIC DEMAND.



**NOTE:**

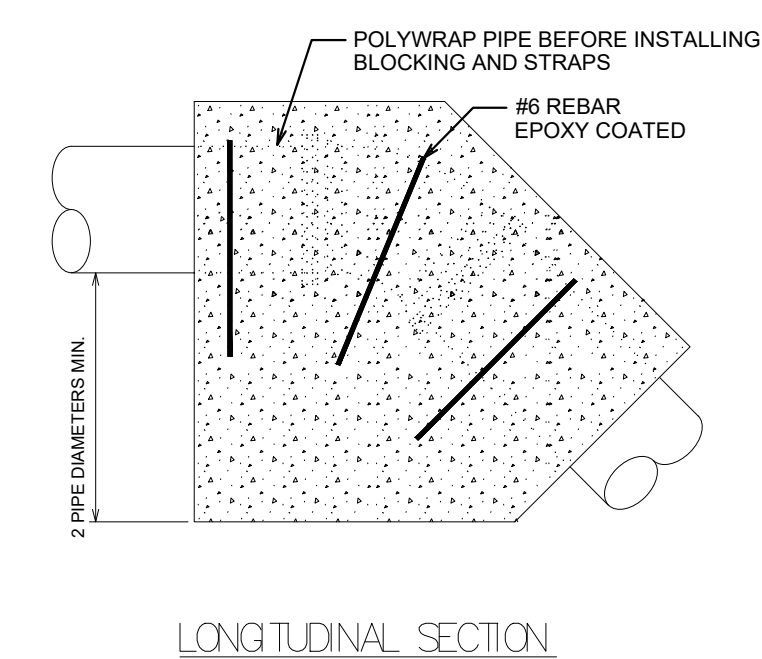
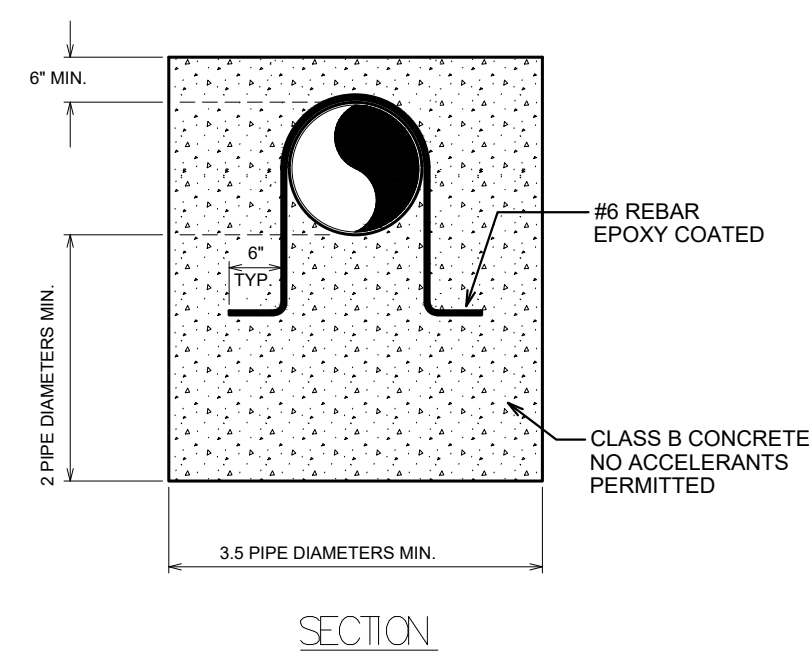
- THE DETAIL REPRESENTS THE APPROXIMATE BLOCCING CONFIGURATION AND ASSUMES SOLID SOIL AND PROPER BURIAL.
- EXACT SHAPE AND SIZE TO BE DETERMINED IN THE FIELD.
- POOR SOIL CONDITIONS WILL GREATLY INCREASE THE SIZE OF THE CONCRETE BLOCK.

**WS-VBL**

**VERTICAL THRUST BLOCK FOR LARGE PIPE**

26

SCALE: NTS



**NOTE:**

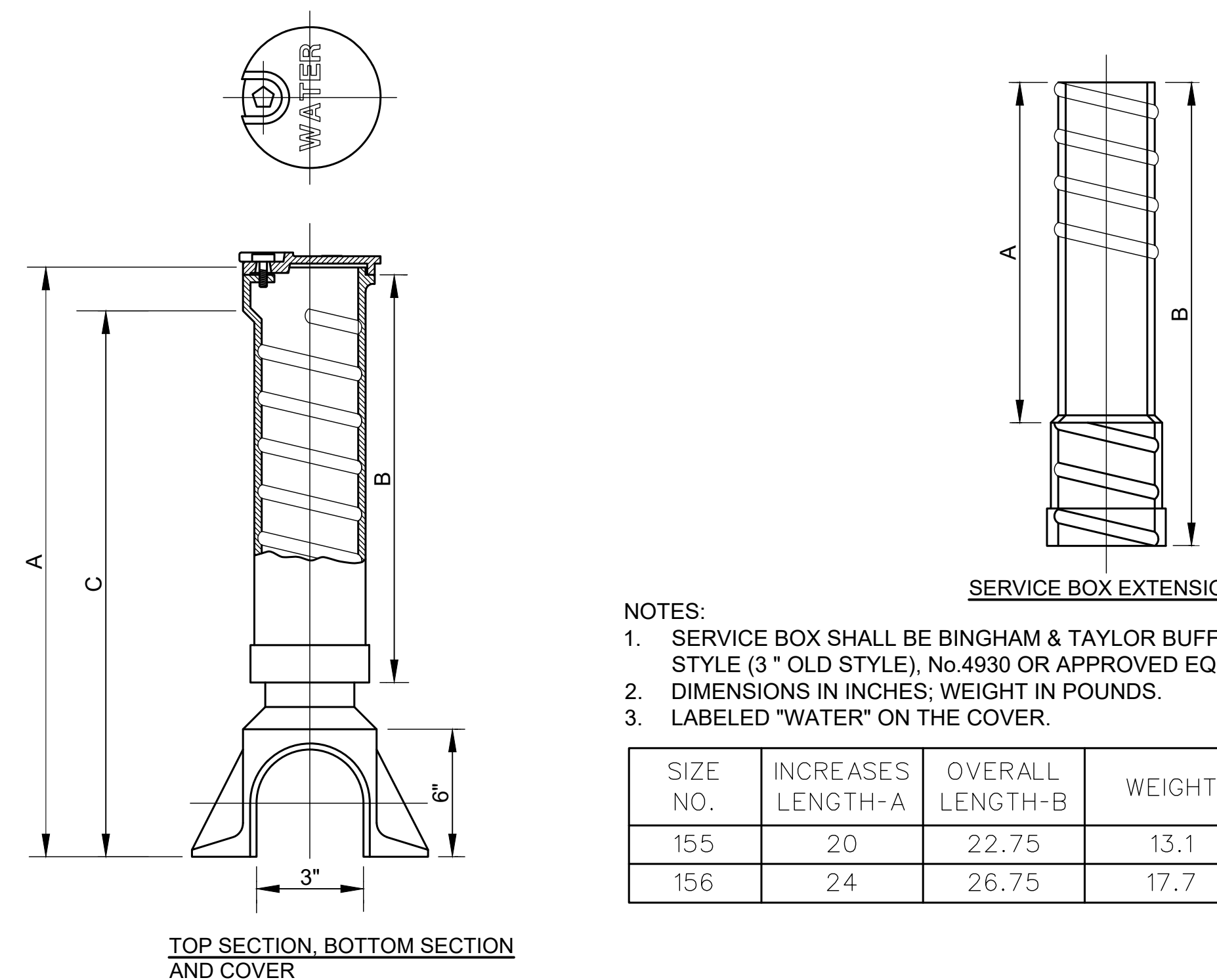
- THE DETAIL REPRESENTS THE APPROXIMATE BLOCCING CONFIGURATION AND ASSUMES SOLID SOIL AND PROPER BURIAL.
- EXACT SHAPE AND SIZE TO BE DETERMINED IN THE FIELD.
- POOR SOIL CONDITIONS WILL GREATLY INCREASE THE SIZE OF THE CONCRETE BLOCK.

**WS-VB**

**VERTICAL THRUST BLOCK FOR SMALL PIPE**

27

SCALE: NTS



**NOTES:**

- SERVICE BOX SHALL BE BINGHAM & TAYLOR BUFFALO STYLE (3 " OLD STYLE), No 4930 OR APPROVED EQUAL.
- DIMENSIONS IN INCHES; WEIGHT IN POUNDS.
- LABELLED "WATER" ON THE COVER.

SIZE NO.	INCREASES LENGTH-A	OVERALL LENGTH-B	WEIGHT
155	20	22.75	13.1
156	24	26.75	17.7

SIZE NO.	EXTENSION RANGE - A	TOP SECTION & COVER			BOTTOM SECTION			TOTAL WEIGHT
		NO.	WEIGHT	DIM. B	NO.	WEIGHT	DIM. C	
2	24" - 39"	9	19.6	18	2	14.1	23.0	32.7

**WCB-1**

**3" CURB SERVICE BOX DETAIL**

28

SCALE: NTS



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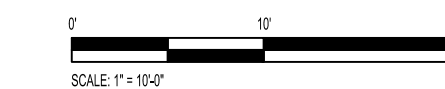
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Scale:



Sheet Name:

**WATER SUPPLY DETAIL**

Submission:

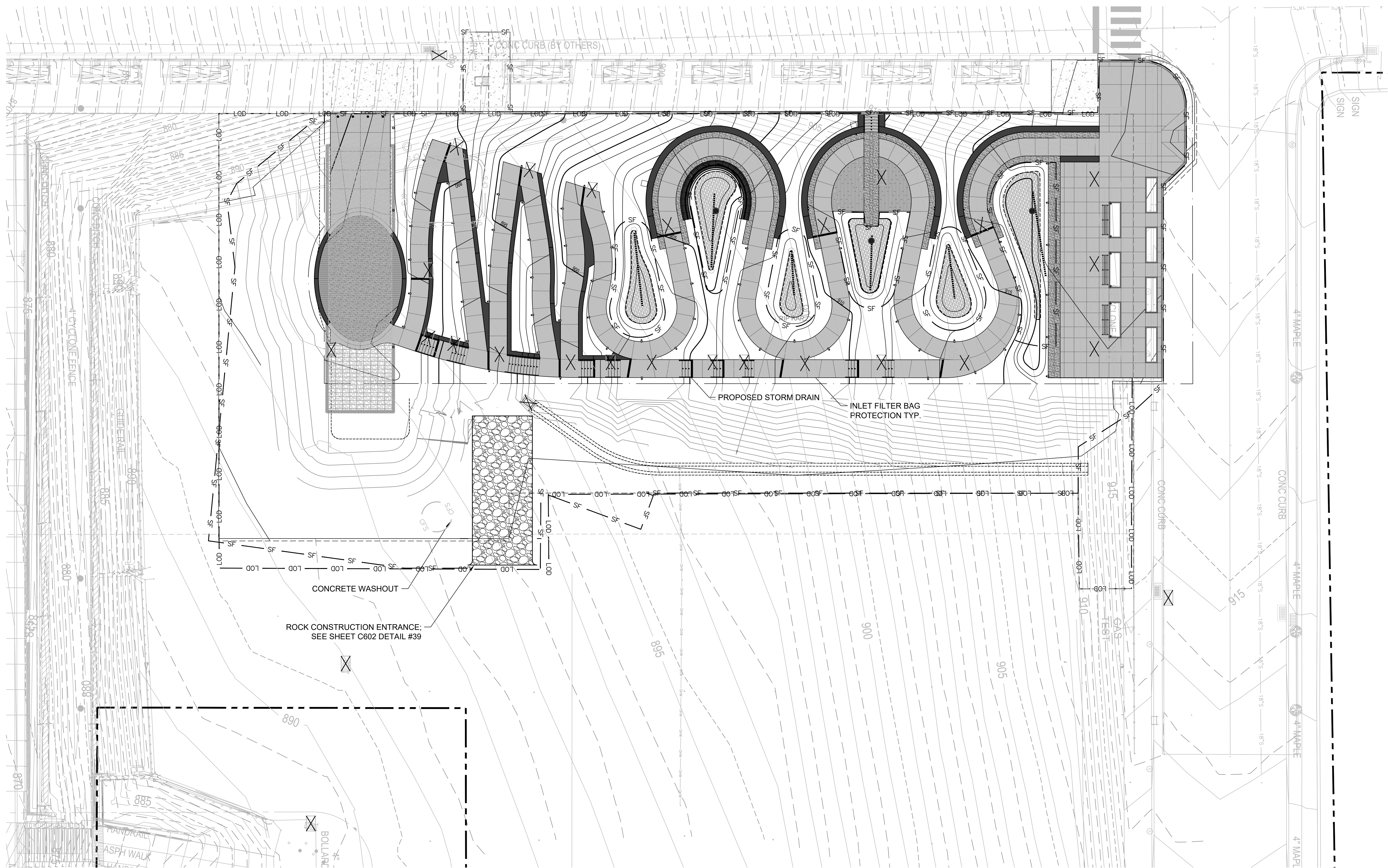
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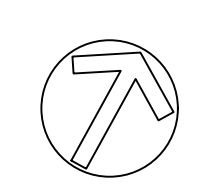
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PROPOSED LEGEND		EXISTING LEGEND	
LIMIT OF DISTURBANCE	— LOD —	PROPERTY LINE	- - - - -
SILT FENCE	— SF —	MAJOR CONTOUR	— — — — —
COMPOST FILTER SOCK	— CFS —	MINOR CONTOUR LINE	— — — — —
STORM LINE	— STO —	OVERHEAD WIRE	— OHW —
MAJOR CONTOUR	— — — — —	STORM LINE	— STO —
MINOR CONTOUR LINE	- - - - -	SANITARY LINE	— SANT —



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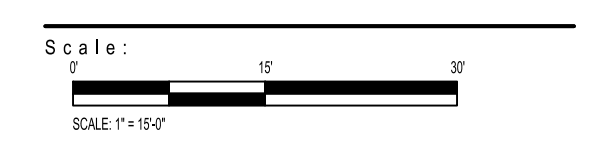
**HOOD**  
STUDIO  
ARTIST

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Sheet Name:  
**E & S CONTROL PLAN**

Submission:  
100% Construction Documents

Sheet Number:  
**C600**

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**GENERAL NOTES:**

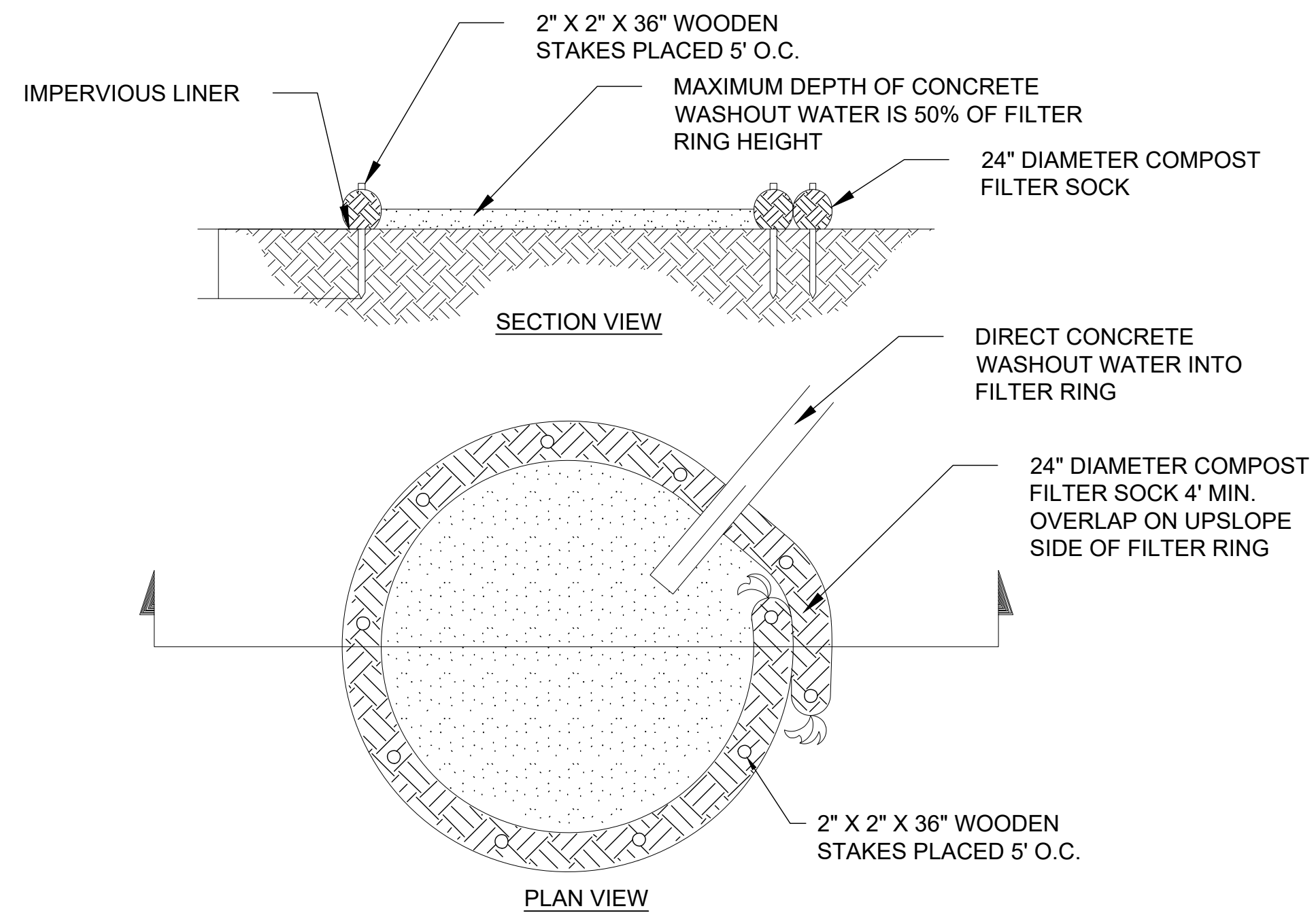
- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT) PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPs SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE USING A PUMPED WATER FILTER BAG, OVER UNDISTURBED VEGETATED AREAS.
- VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM LOTS (SPECIFY LOT NUMBERS) ONTO (SPECIFY ROAD NAMES).
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF UPSLOPE OF AN ESTABLISHED E&S BMP AS NOTED IN THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES — 6 TO 12 INCHES ON COMPACTED SOILS — PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- E&S BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPs.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPs SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- FAILURE TO CORRECTLY INSTALL E&S BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPs MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.

**STAGING OF CONSTRUCTION ACTIVITIES:**

THE FOLLOWING SEQUENCE OF CONSTRUCTION ACTIVITIES HAVE BEEN DEVELOPED TO PROVIDE THE CONTRACTOR WITH A GENERAL PROCEDURE FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENT. THE PROCEDURE IS INTENDED TO ADDRESS THE POTENTIAL FOR SEDIMENT POLLUTION AND ACCELERATED EROSION AS A RESULT OF THE PROJECT CONSTRUCTION.

**SEQUENCE OF CONSTRUCTION:**

- INSTALL ROCK CONSTRUCTION ENTRANCE AT THE ANTICIPATED ENTRANCE TO THE CONSTRUCTION AREA.
- INSTALL SEDIMENT FILTER BAG INLET PROTECTION IN THE EXISTING DRAINS WITHIN THE PROJECT LIMITS OF DISTURBANCE, IF IDENTIFIED IN THE FIELD. INSTALL SUPPLEMENTAL INLET PROTECTION TO AVOID SEDIMENTATION OF THE STORM SEWER SYSTEM.
- INSTALL COMPOST FILTER SOCK IN THE ALIGNMENTS PRESENTED ON THE E&SPC PLAN DRAWINGS.
- ESTABLISH TOPSOIL STOCKPILE AREA.
- DEMOLISH THE EXISTING HARDSCAPE FEATURES AS NOTED IN THE BID DOCUMENTS.
- PERFORM CLEAR AND GRUBBING ACTIVITIES WITHIN THE PROJECT LIMITS OF DISTURBANCE TO REMOVE THE EXISTING VEGETATION NOT DEMARCATED BY TEMPORARY PROTECTIVE FENCING.
- REMOVE TOPSOIL AND STOCKPILE AT THE DESIGNATED ONSITE LOCATION FOR REUSE PRIOR TO ESTABLISHING PERMANENT VEGETATIVE STABILIZATION.
- PERFORM ROUGH EARTHWORK ACTIVITIES AS PRESENTED ON THE E&SPC PLAN DRAWINGS.
- ESTABLISH CONCRETE WASHOUT FACILITY ONSITE FOR WASHING OF CONCRETE TRUCKS.
- INSTALL PROPOSED HARDSCAPE FEATURES AND PERFORM FINE GRADING ACTIVITIES, APPLYING THE STOCKPILED TOPSOIL TO AREAS TO BE SEEDED.
- INSTALL TREES AND PLANTINGS. APPLY MULCH OR THE PERMANENT SEED MIX TO THE NON-PAVED AREAS TO STABILIZED, AS INDICATED IN THE BID DOCUMENTS.
- RETAIN EROSION AND SEDIMENT CONTROLS IN PLACE UNTIL 70% UNIFORM PERENNIAL VEGETATIVE STABILIZATION IS ACHIEVED AT AREAS TO BE SEEDED OR UNTIL EXPOSED EARTH SURFACES ARE COVERED WITH A PERMANENT AGGREGATE, MULCH, OR HARDSCAPE MATERIAL.
- REMOVE EROSION AND SEDIMENT CONTROLS UPON STABILIZATION OF ALL SURFACES.

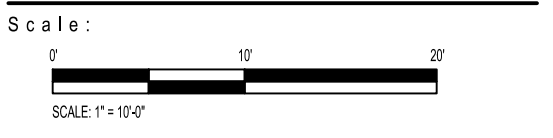


**37 CONCRETE WASHOUT FACILITY**  
SCALE:NTS



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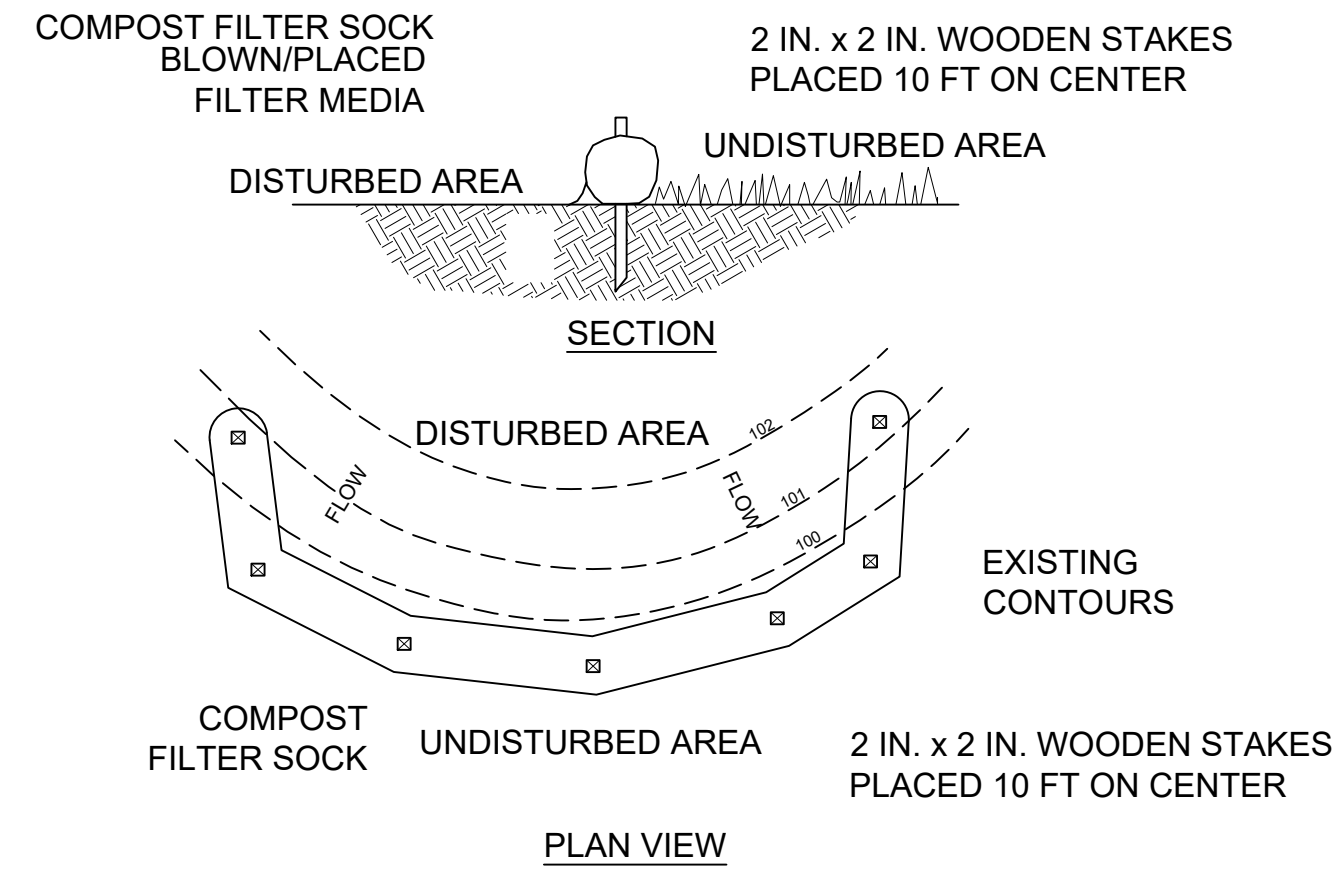


Sheet Name:  
**E & S CONTROL DETAIL**

Submission:  
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Sheet Number:  
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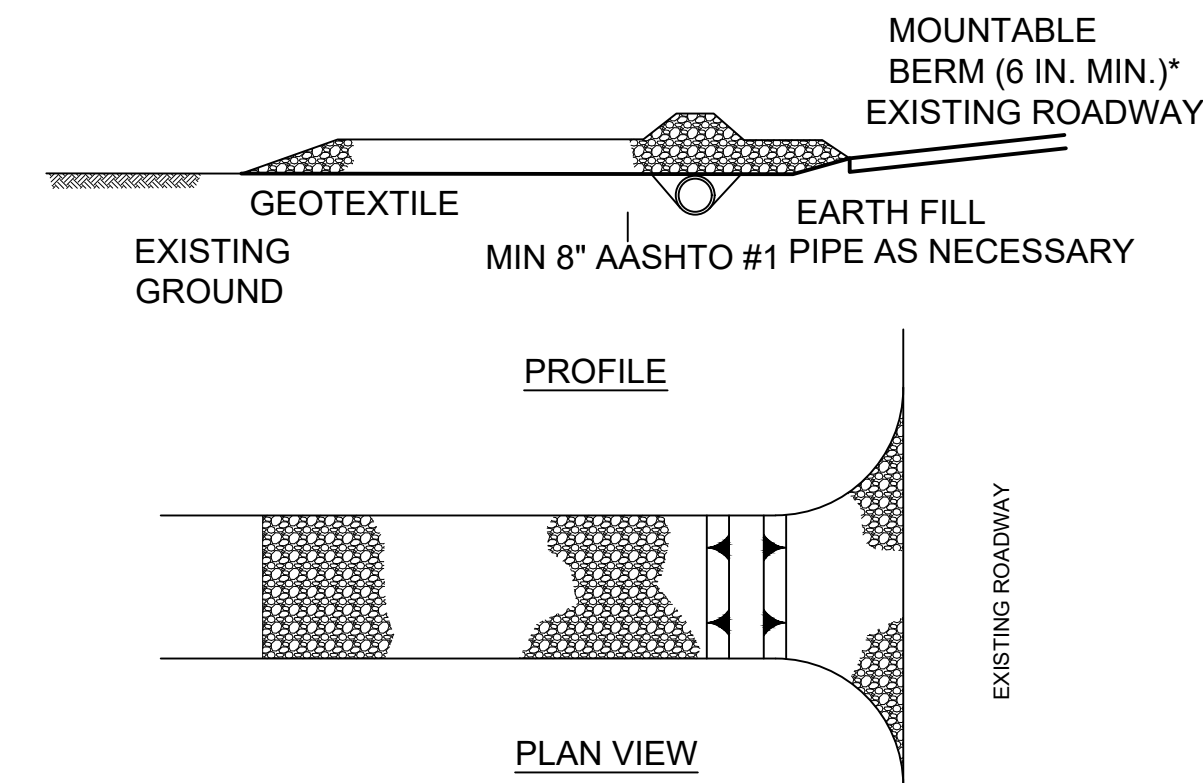


**NOTES:**

- SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PADEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PADEP EROSION CONTROL MANUAL.
- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
- COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

**38 COMPOST FILTER SOCK**

SCALE: NTS



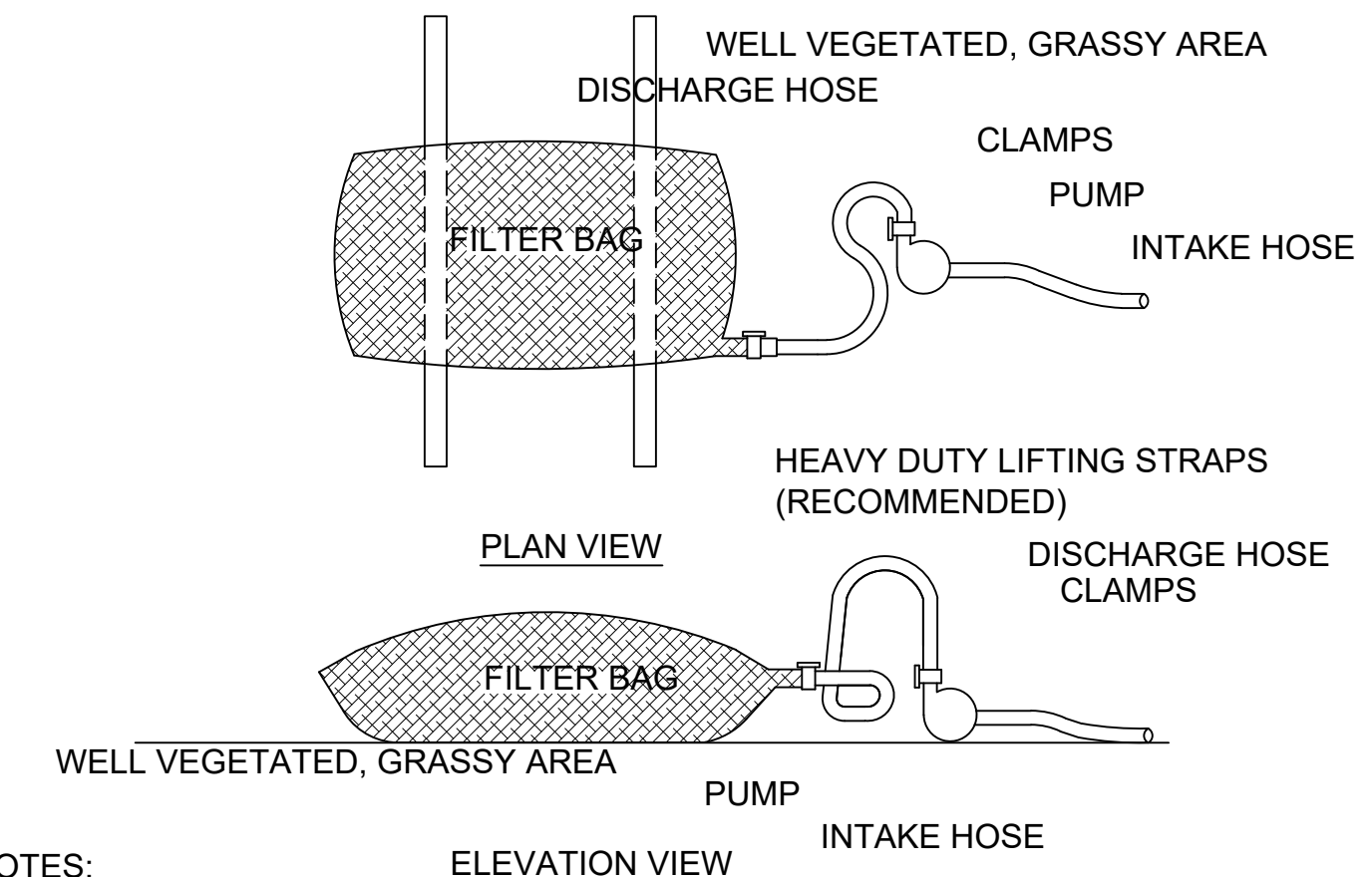
\* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

**NOTES:**

- REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
- RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
- MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
- MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

**39 ROCK CONSTRUCTION ENTRANCE**

SCALE: NTS



**NOTES:**

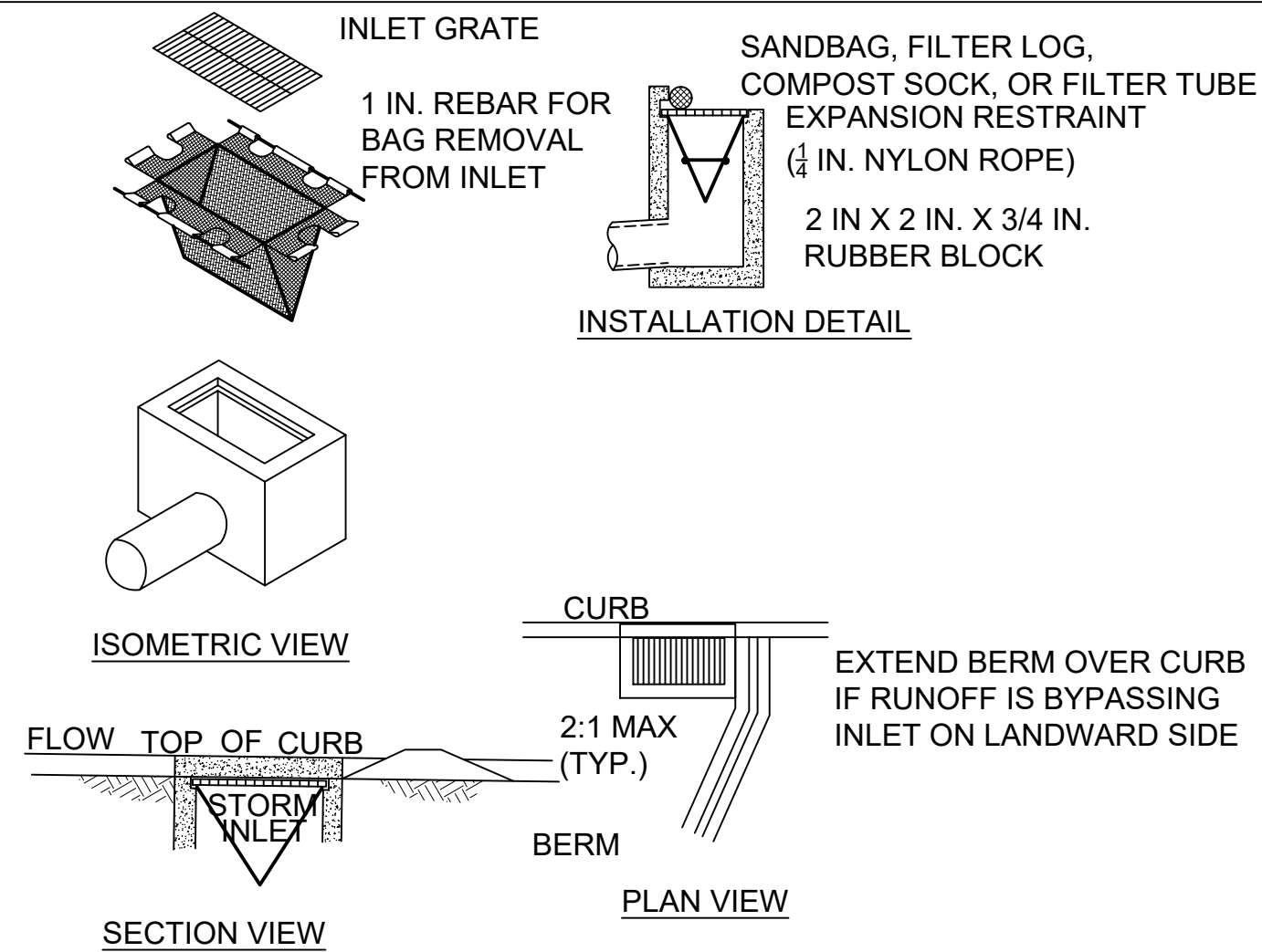
LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4633	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
- BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
- NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HO OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.
- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
- FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

**40 PUMPED WATER FILTER BAG**

SCALE: NTS

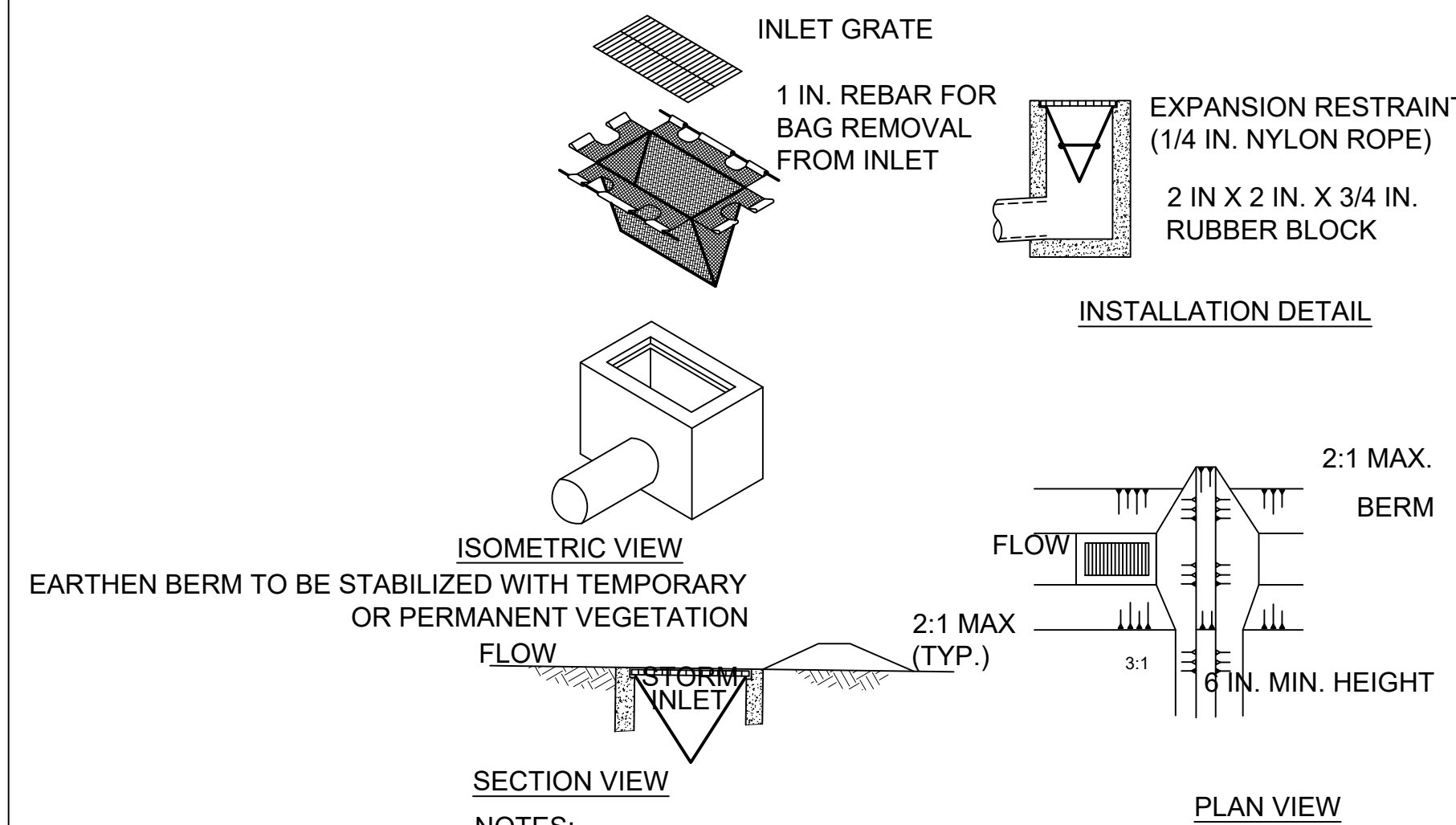


**NOTES:**

- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
- ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.
- AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
- INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
- DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

**41 FILTER BAG INLET PROTECTION - TYPE C INLET**

SCALE: NTS



**NOTES:**

- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
- ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.
- AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
- INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
- DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

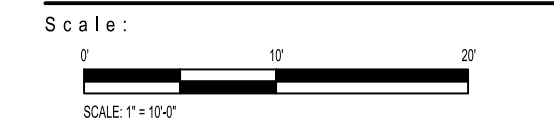
**42 FILTER BAG INLET PROTECTION - TYPE M INLET**

SCALE: NTS



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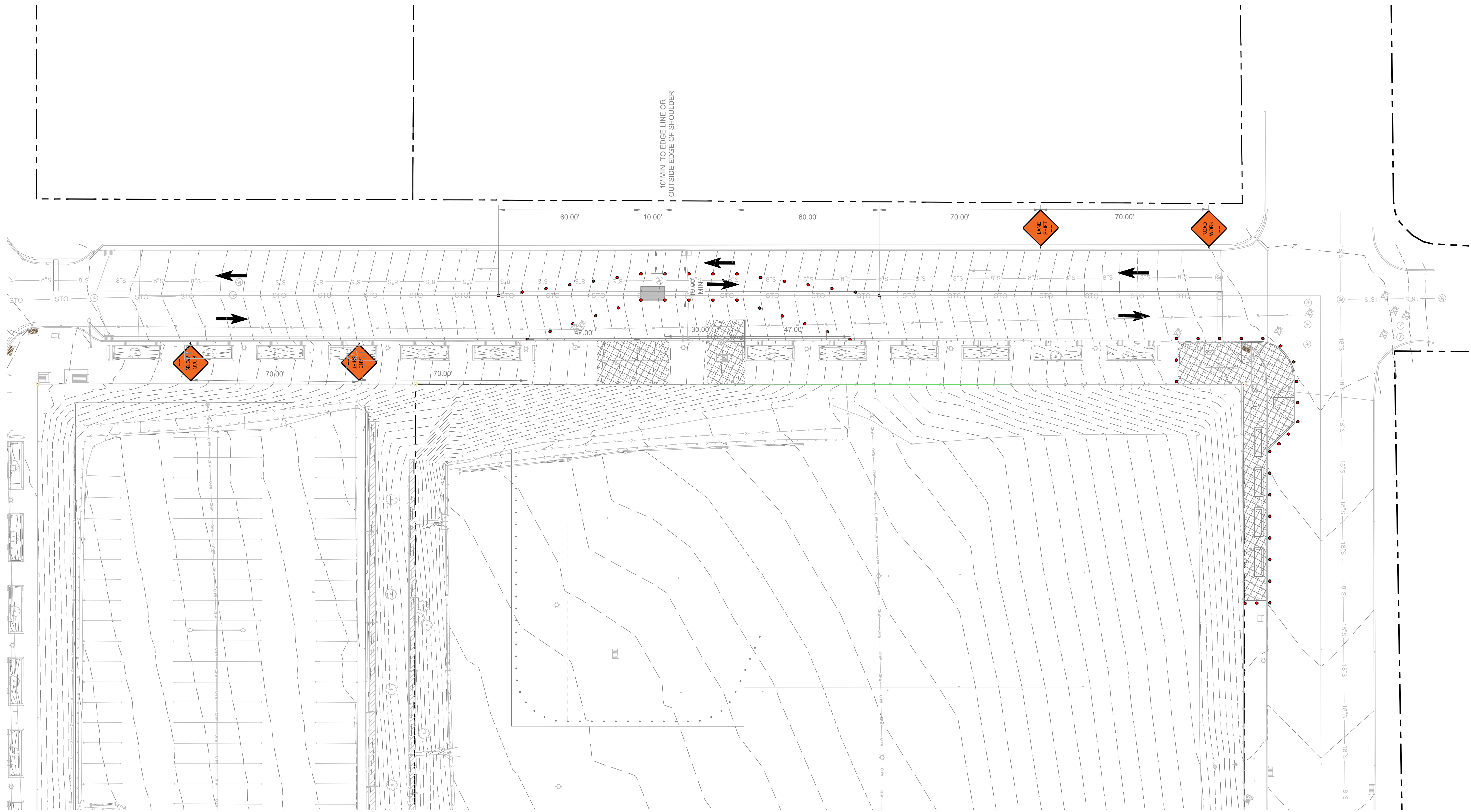
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Sheet Name:  
**E & S CONTROL DETAIL**  
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**C602**

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10' MIN. TO EDGE LINE OR  
OUTSIDE EDGE OF SHOULDER

**PROPOSED LEGEND**

PROPERTY LINE	---
MAJOR CONTOUR	---
MINOR CONTOUR LINE	---

**EXISTING LEGEND**

MAJOR CONTOUR	---
MINOR CONTOUR LINE	---
OVERHEAD WIRE	OHW
PROPERTY LINE	---
STORM LINE	STO
SANITARY LINE	---

**MPT LEGEND**

CHANNELIZING DEVICES	•••
SIGN LOCATION	↑
WORK SPACE	▨
SIGN	◆
10'x6'-1" THICK STEEL PLATE	■



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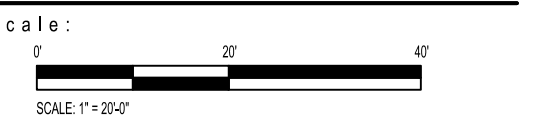


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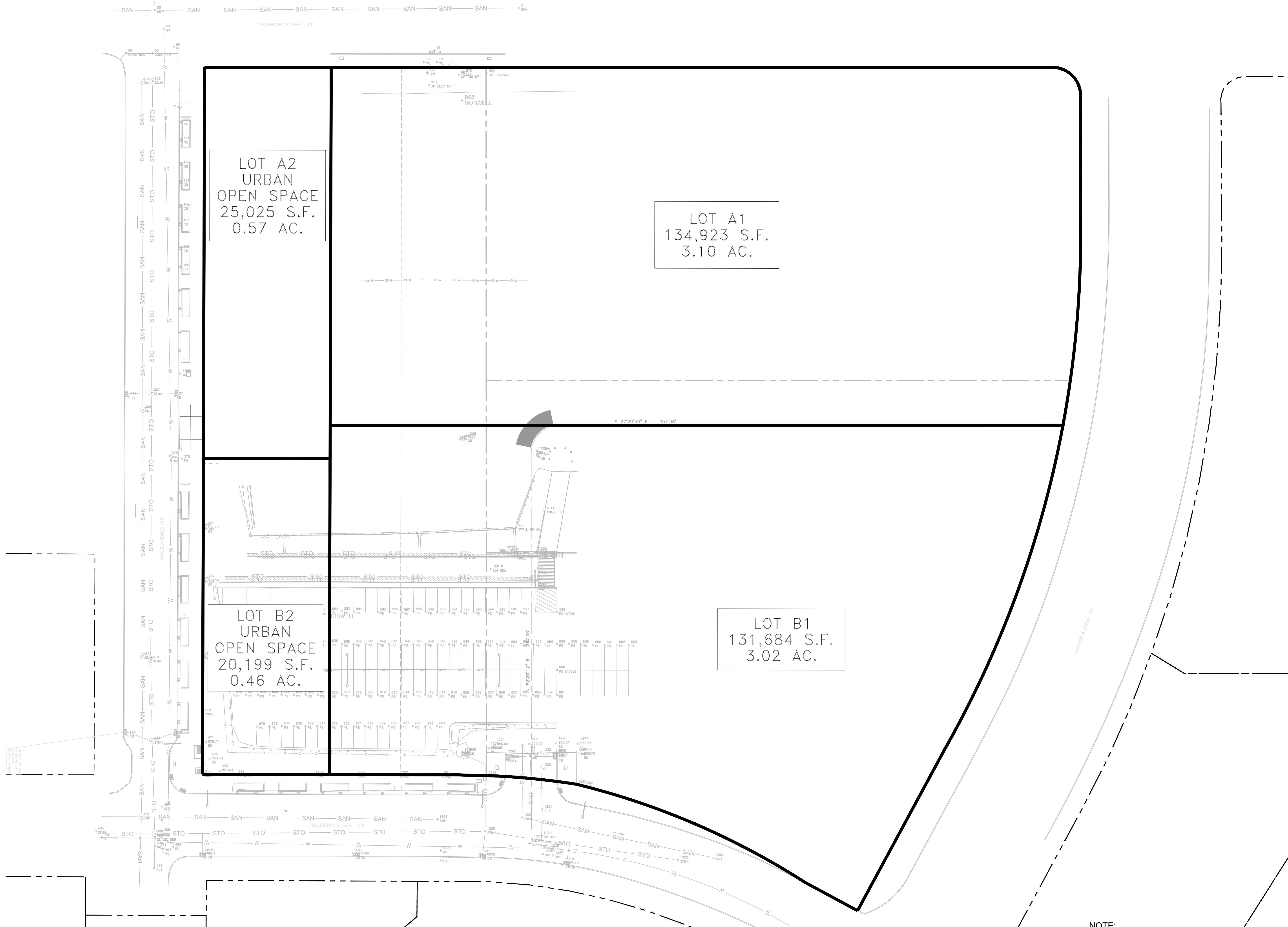
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OF TRAFFIC PLAN**  
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LOT A2  
URBAN  
OPEN SPACE  
25,025 S.F.  
0.57 AC.

LOT A1  
134,923 S.F.  
3.10 AC.

LOT B2  
URBAN  
OPEN SPACE  
20,199 S.F.  
0.46 AC.

LOT B1  
131,684 S.F.  
3.02 AC.

**NOTE:**  
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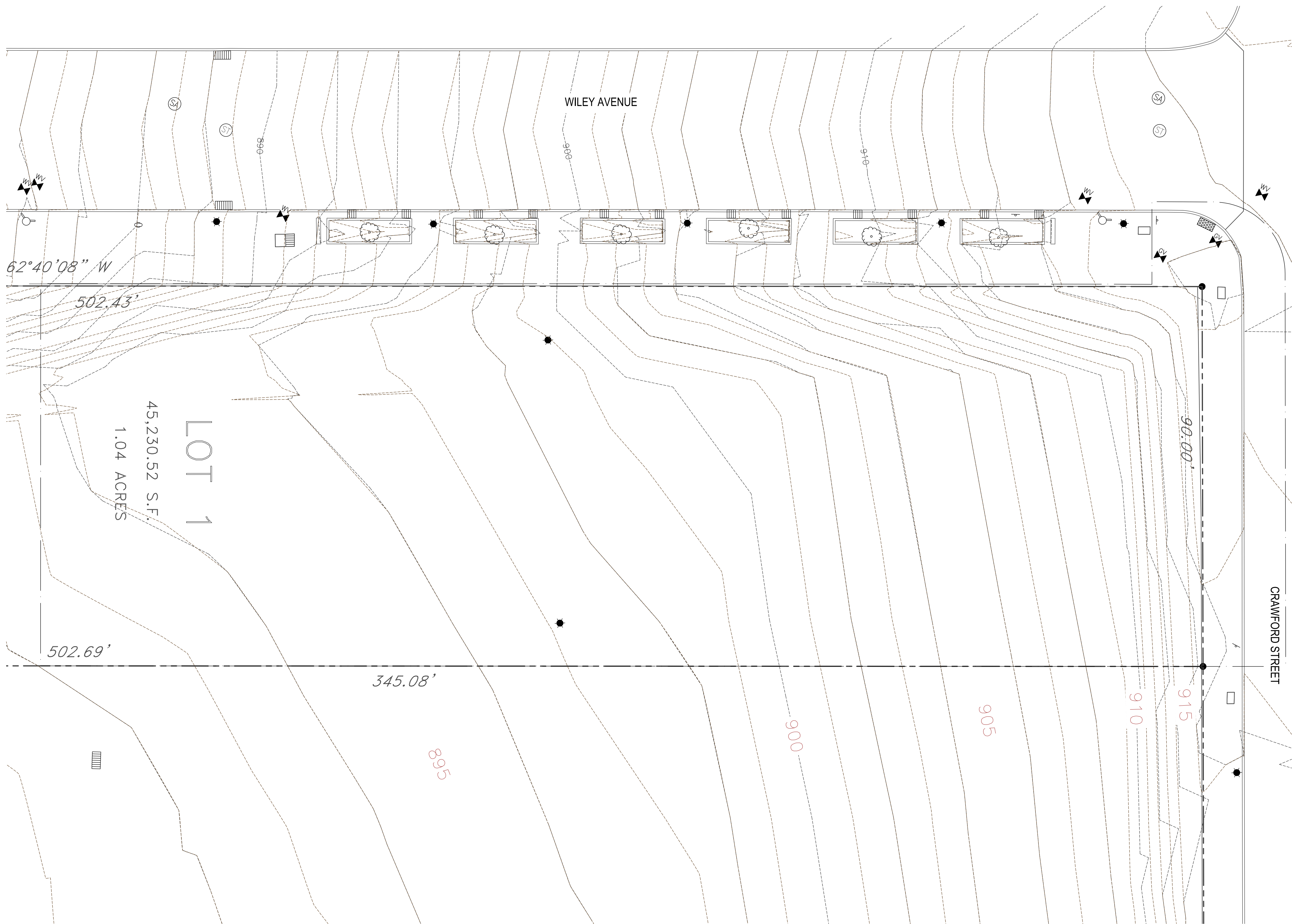


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**PROPOSED  
SUBDIVISION PLAN**

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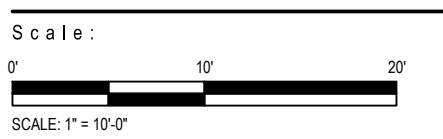
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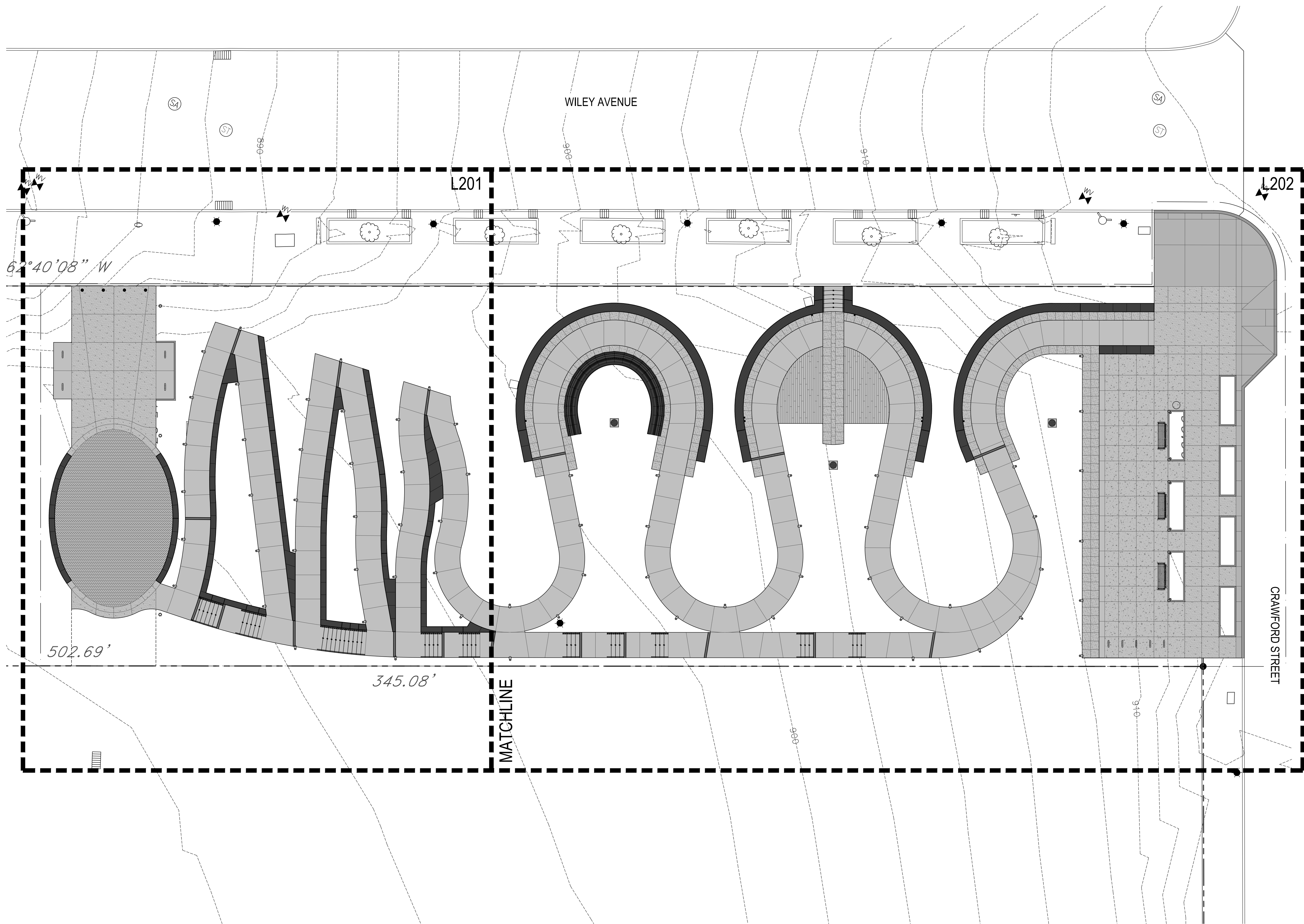


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**Existing Conditions**

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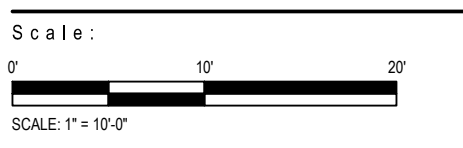
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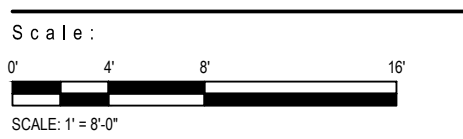
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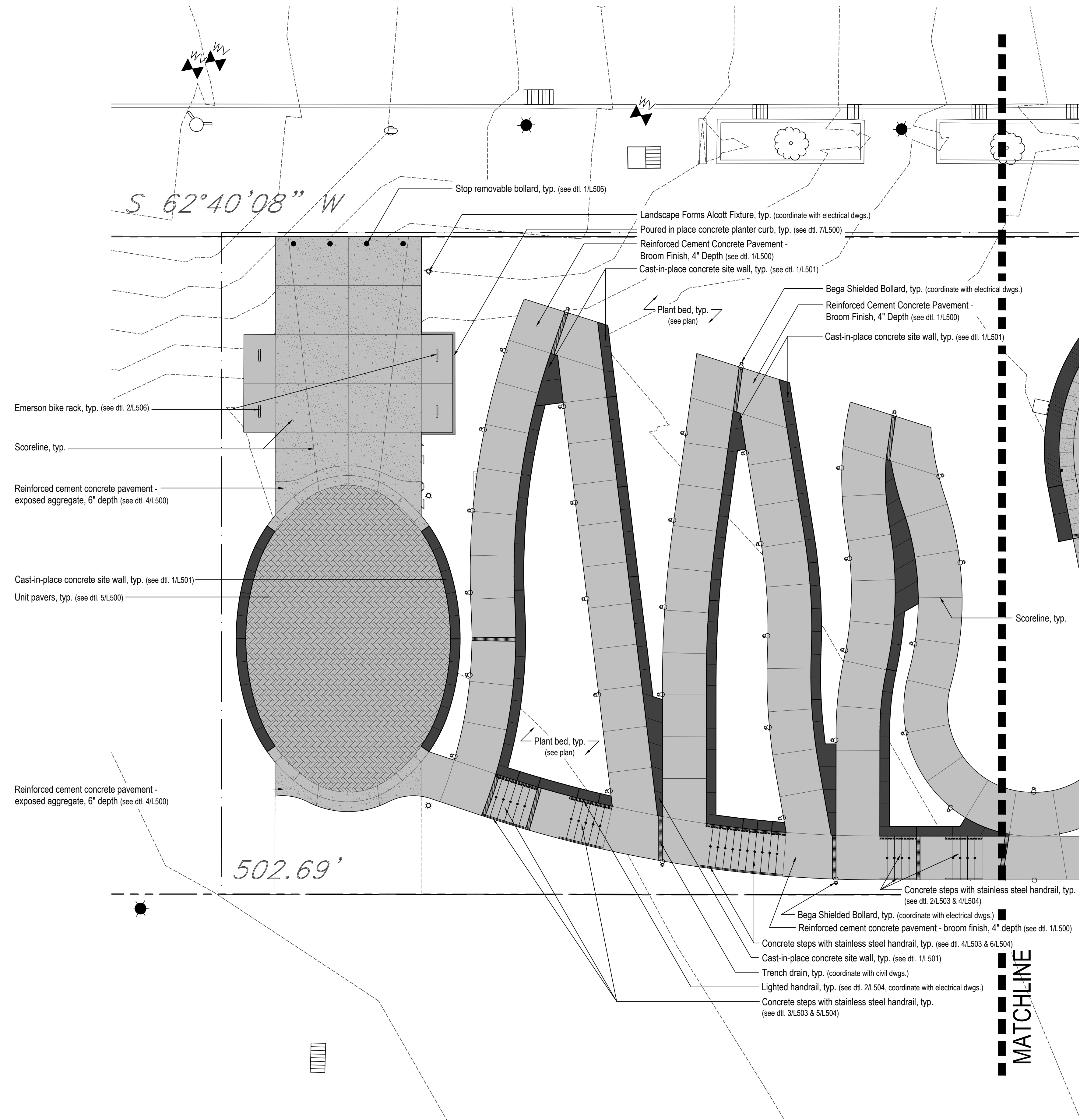
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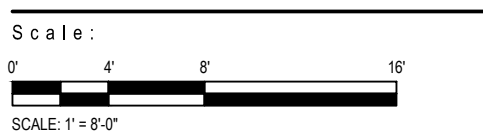
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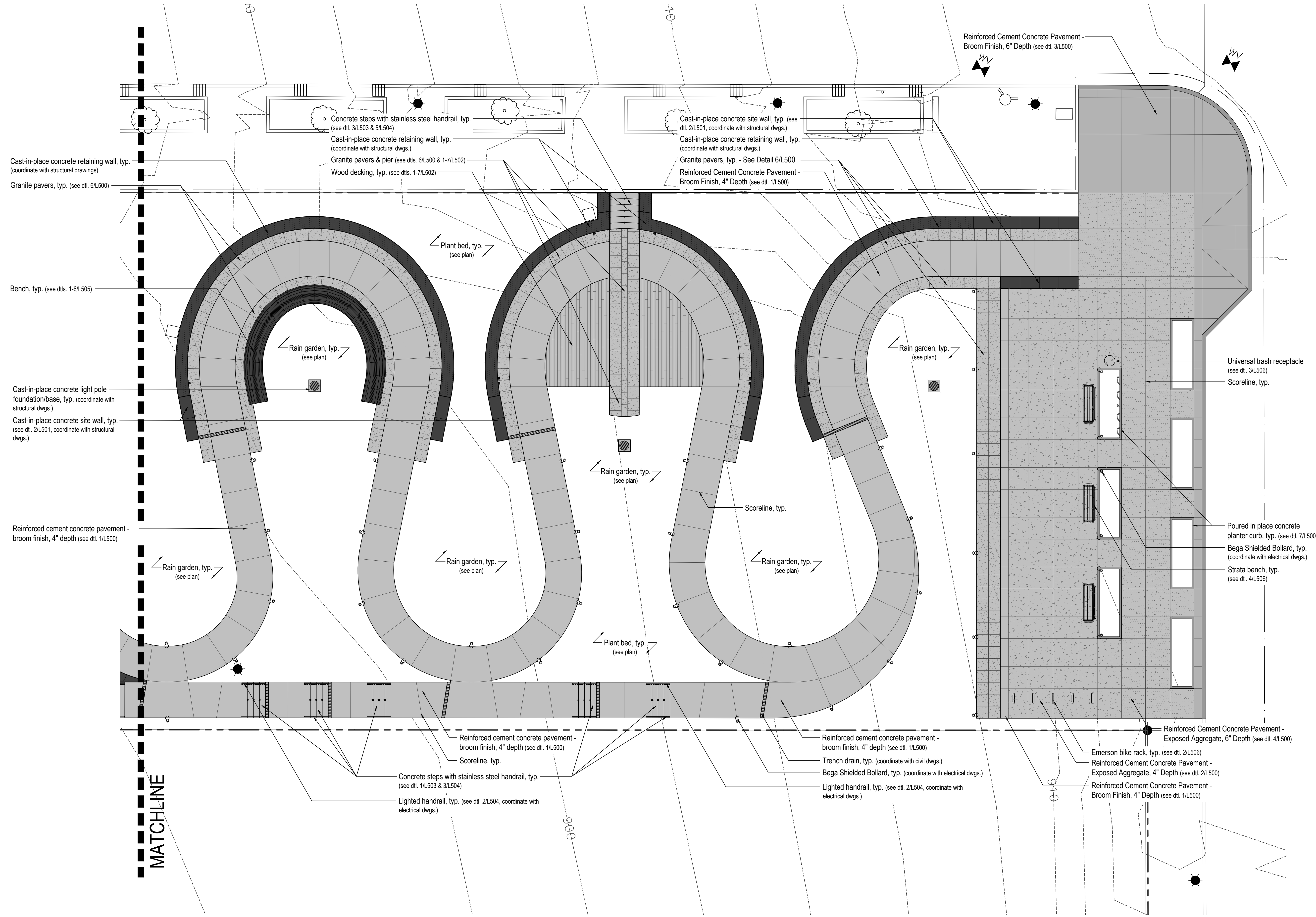
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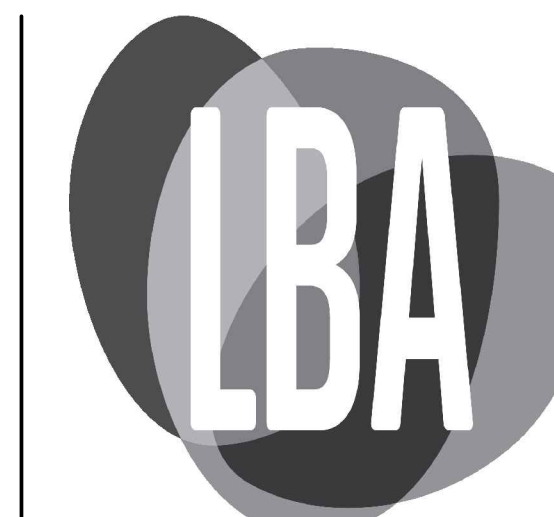
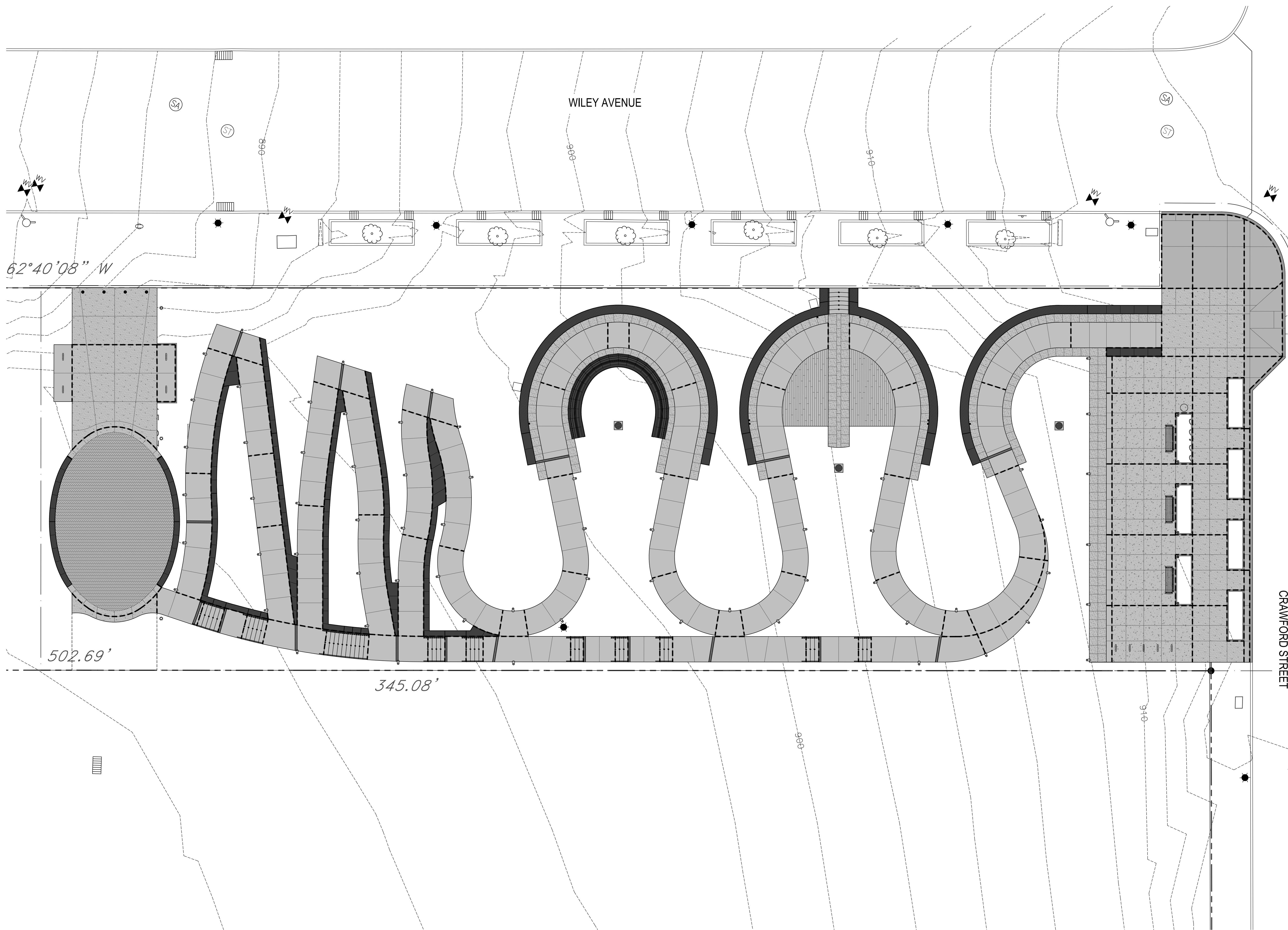
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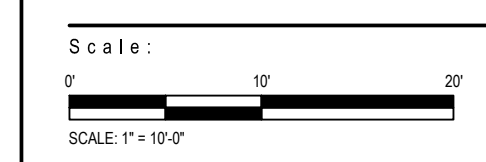
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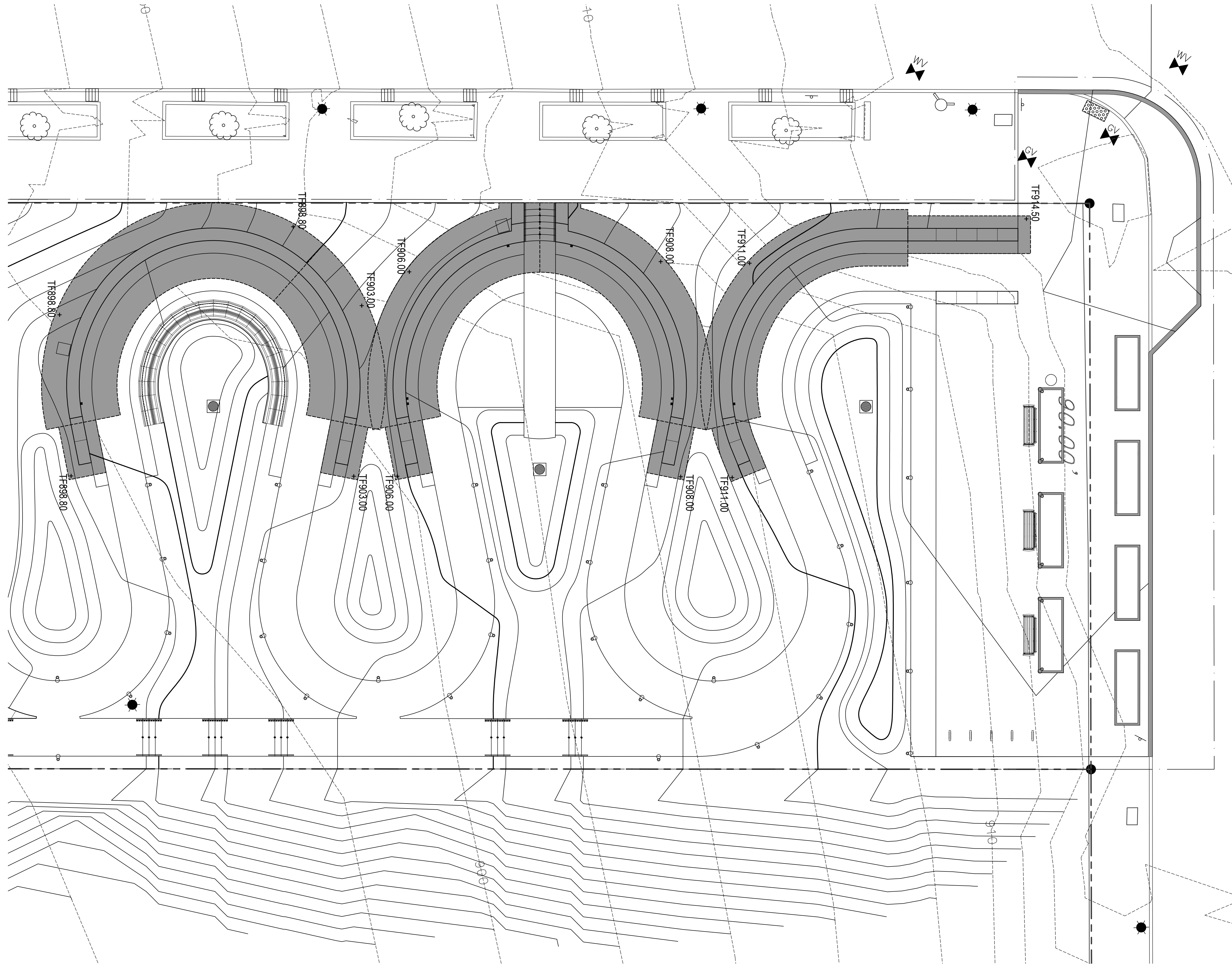
Sheet Name:  
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Plan - Expansion Joints**

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Sheet Name:  
**Site Curtain Wall  
Footer Plan**

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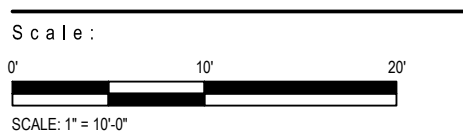
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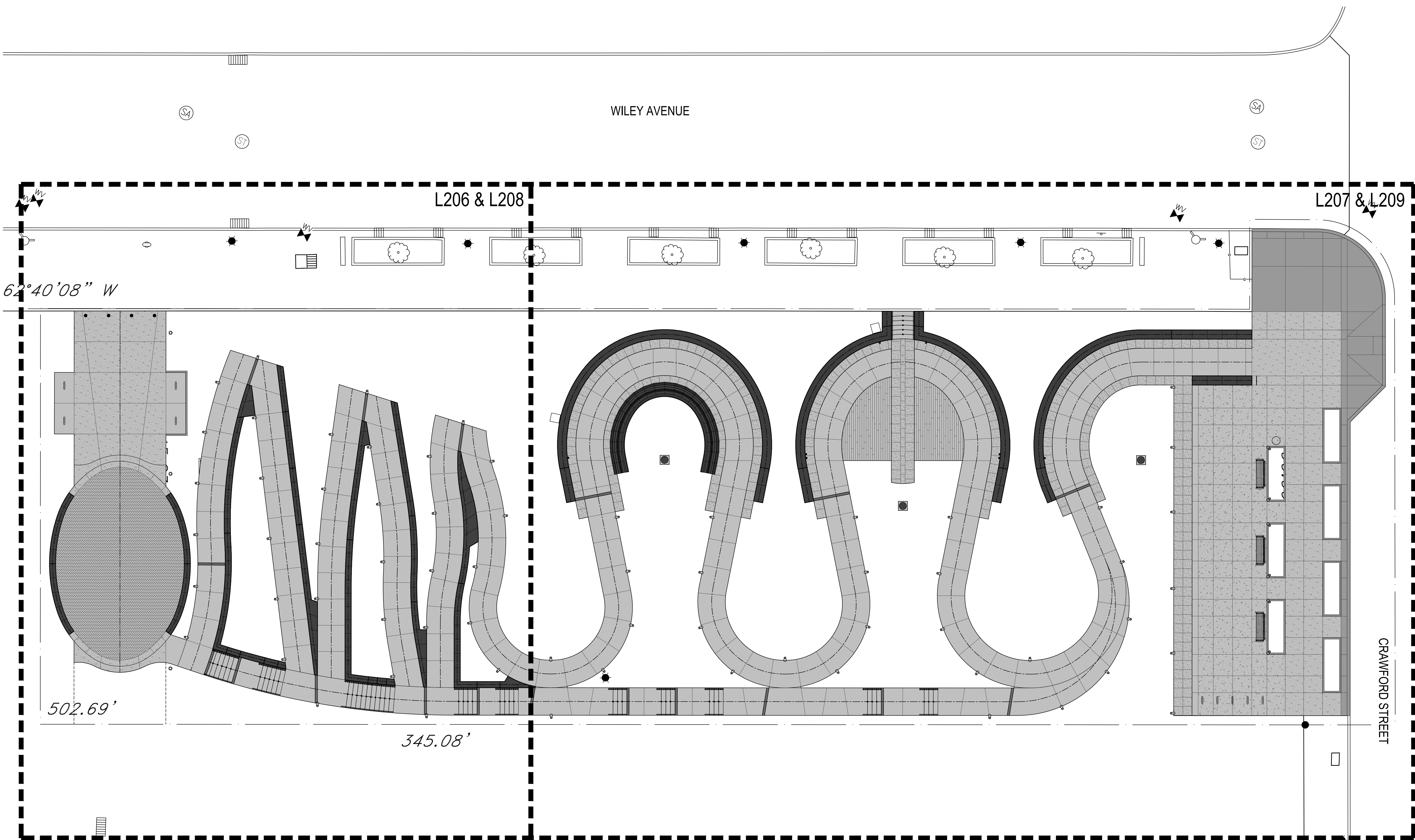
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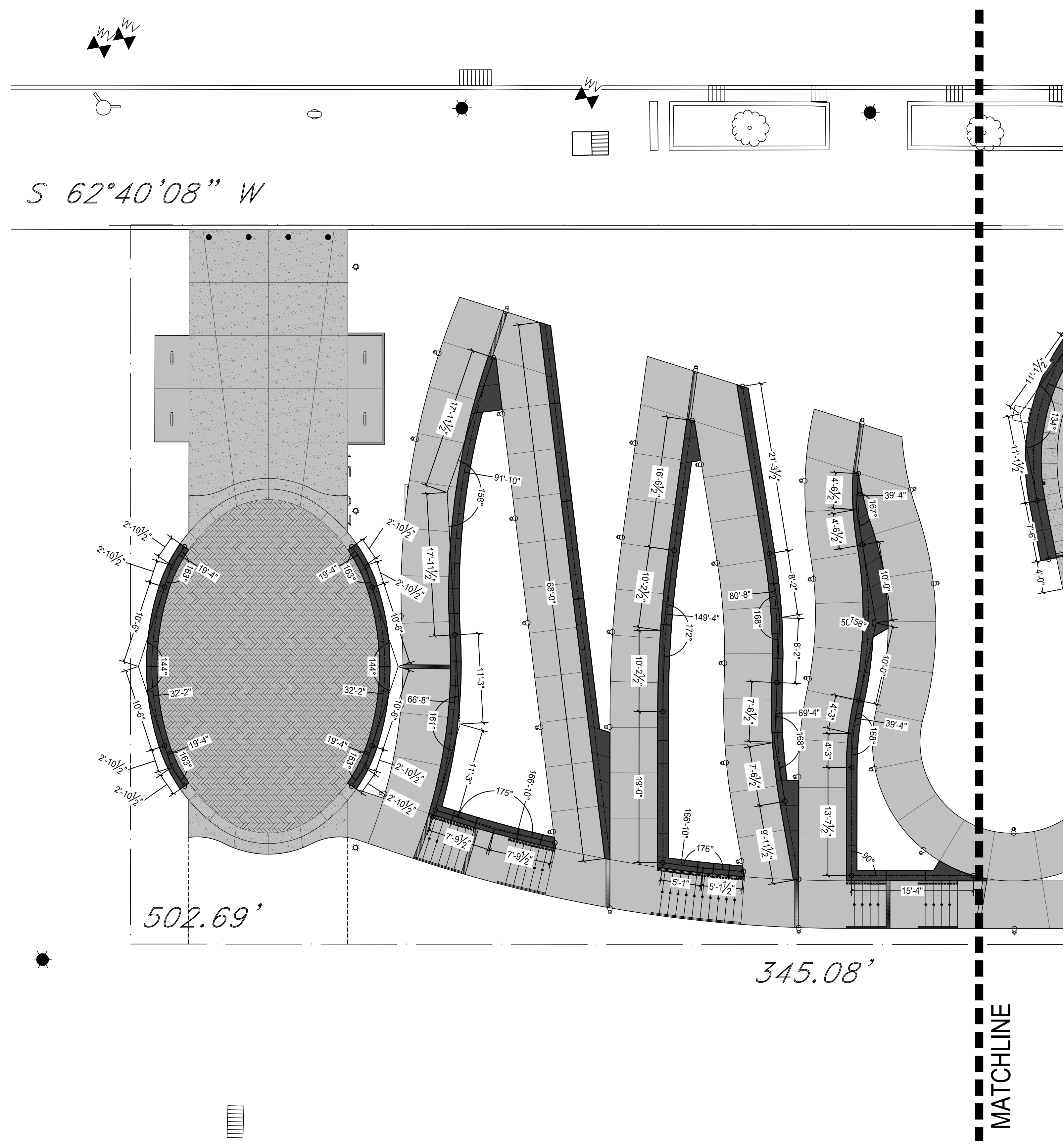
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S 62°40'08" W

502.69'

345.08'

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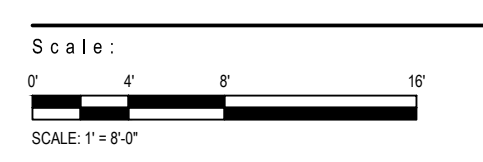
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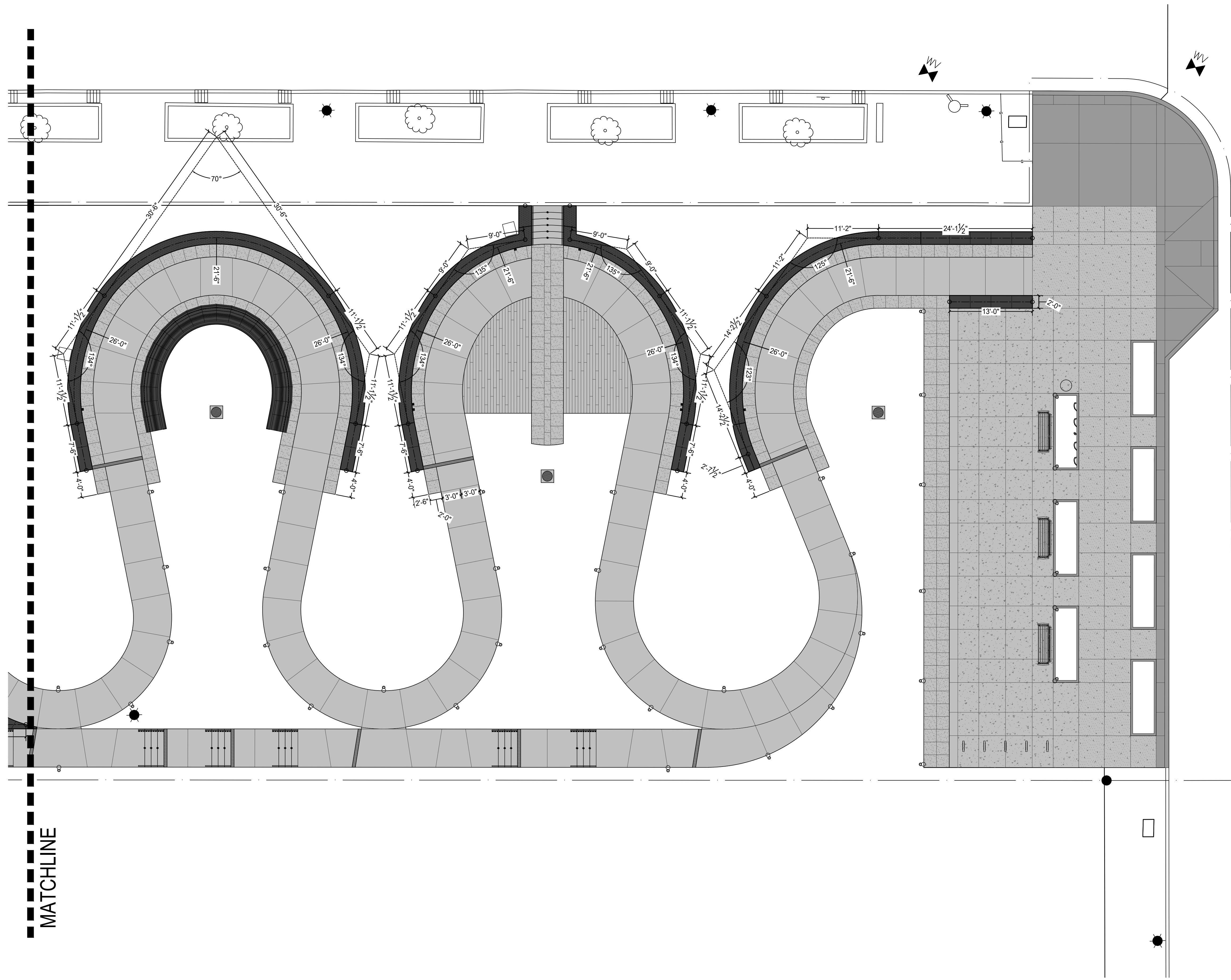


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Site Layout Plan - Walls

Submission:  
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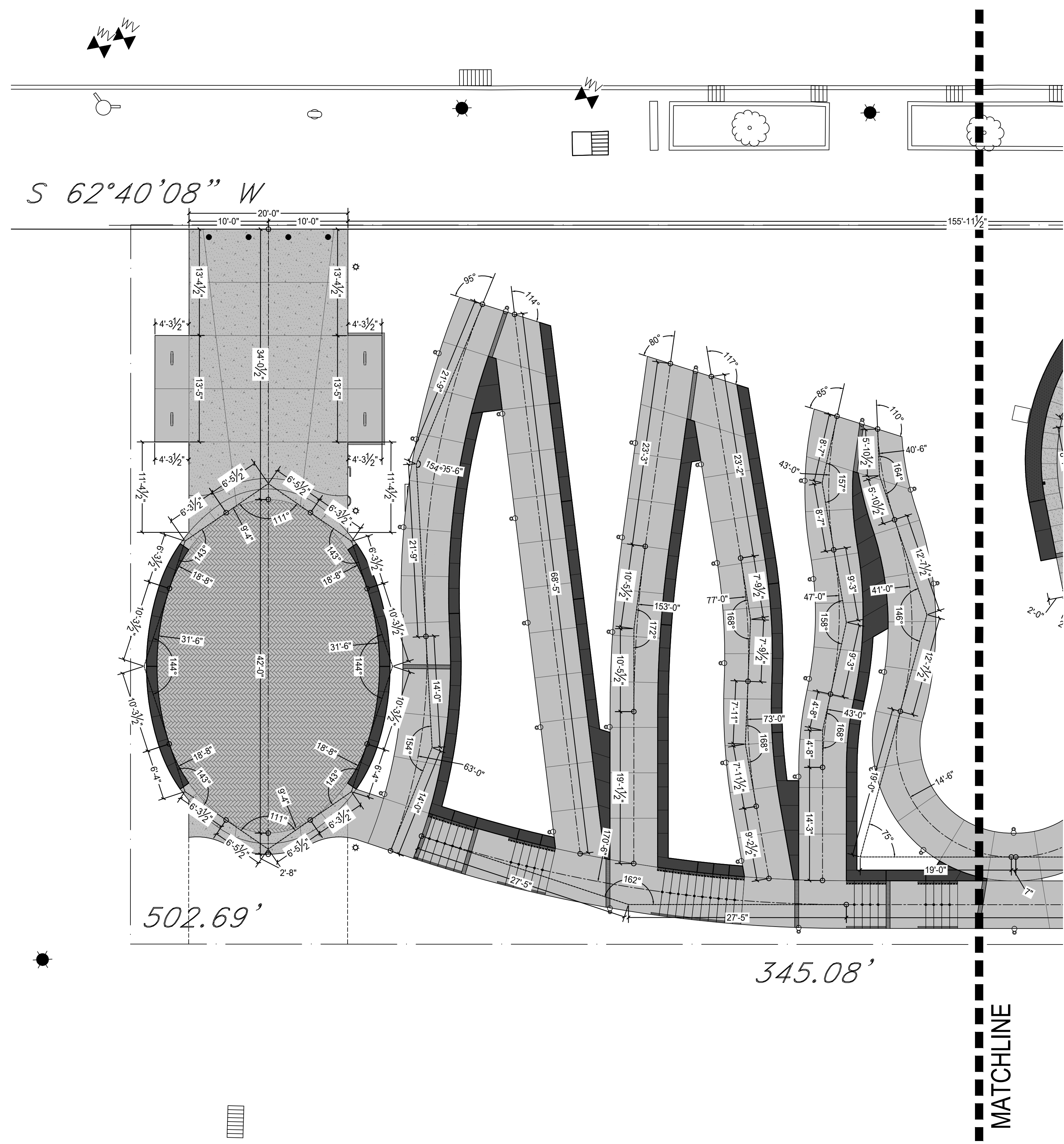
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Walls**

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Sheet Number:

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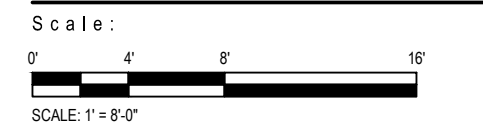
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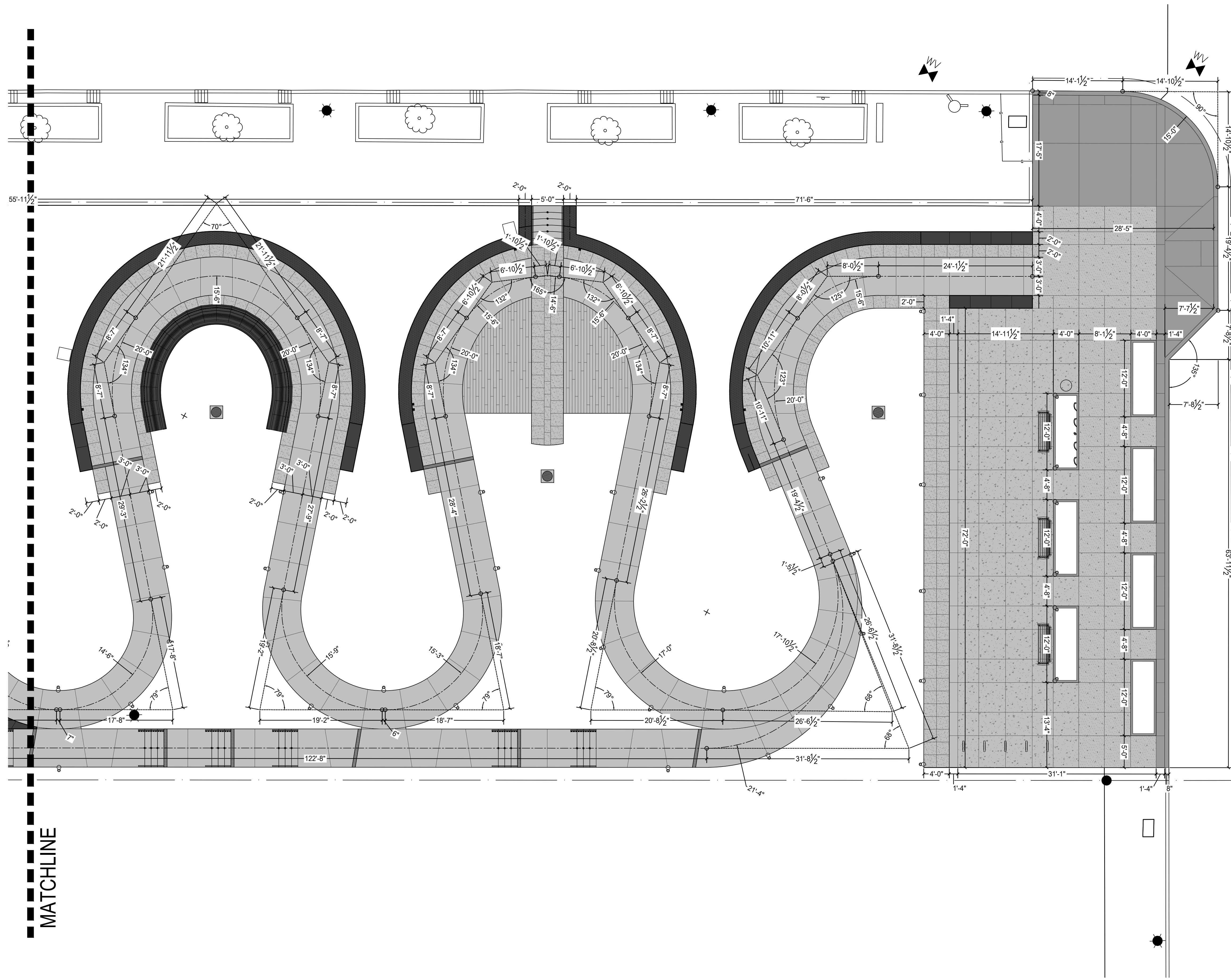


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**Site Layout Plan -  
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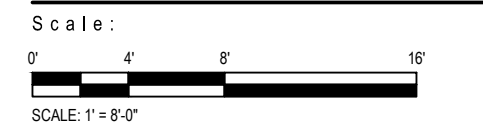
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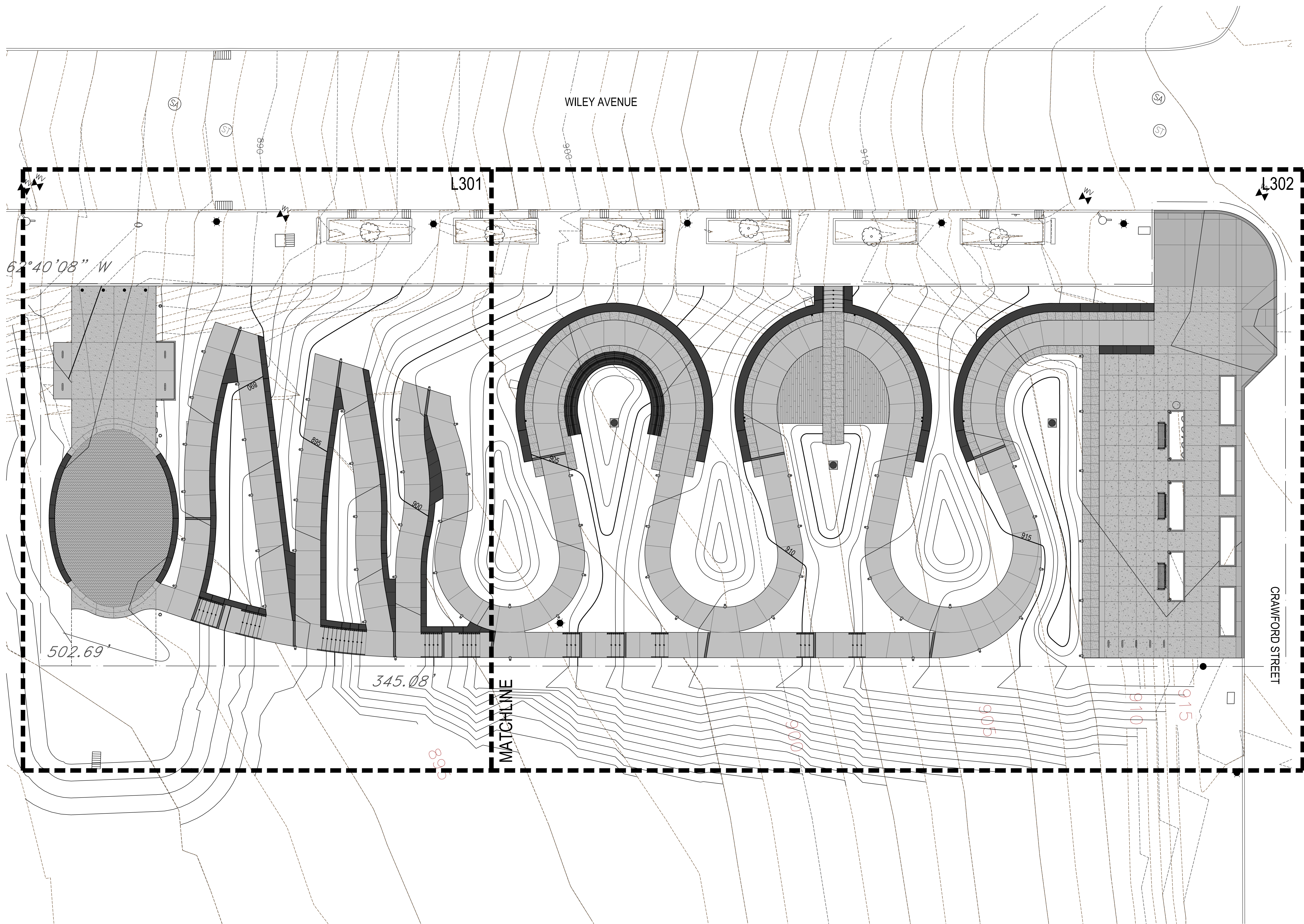
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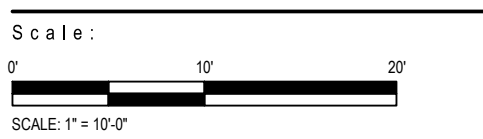
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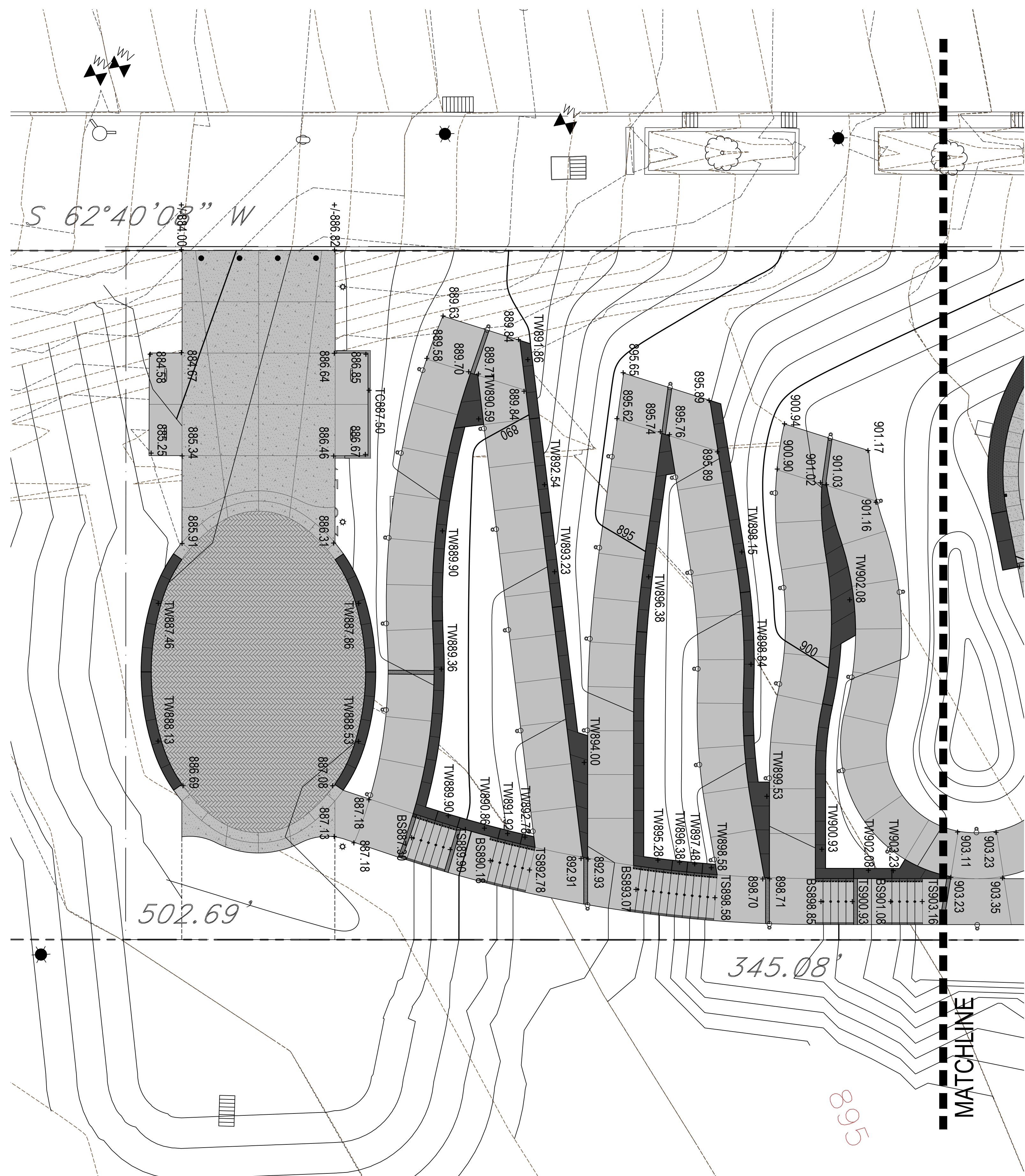


Sheet Name:  
**Site Grading Plan**

Submission:  
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Sheet Number:  
**L300**

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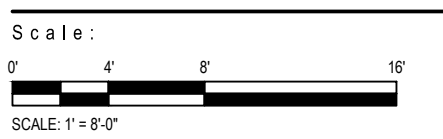
3016 FILBERT street  
studio 2  
OAKLAND, CA 94608  
510.595.0688  
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**Lower Hill-Curtain Call**  
Pittsburgh, PA

Project Number:  
21020-1  
Drawn by:  
DM | CT  
Checked by:  
FB | DM  
Date:  
April 28, 2023

Revisions:



Sheet Name:  
**Site Grading Plan**

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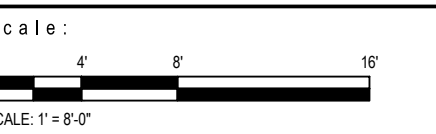
Project Number:  
21020-1

Drawn by:  
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Checked by:  
FB | DM

Date:  
April 28, 2023

Revisions:

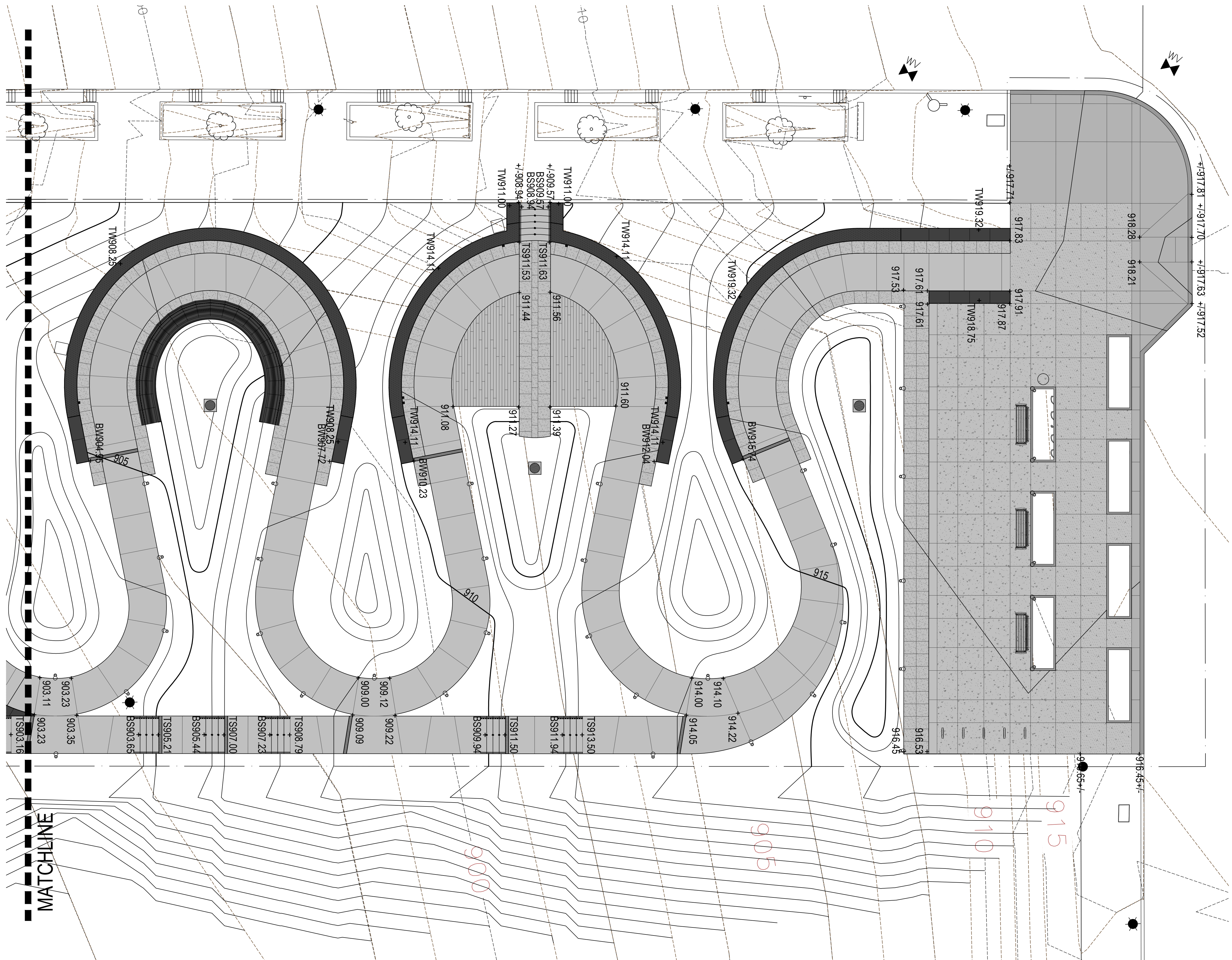


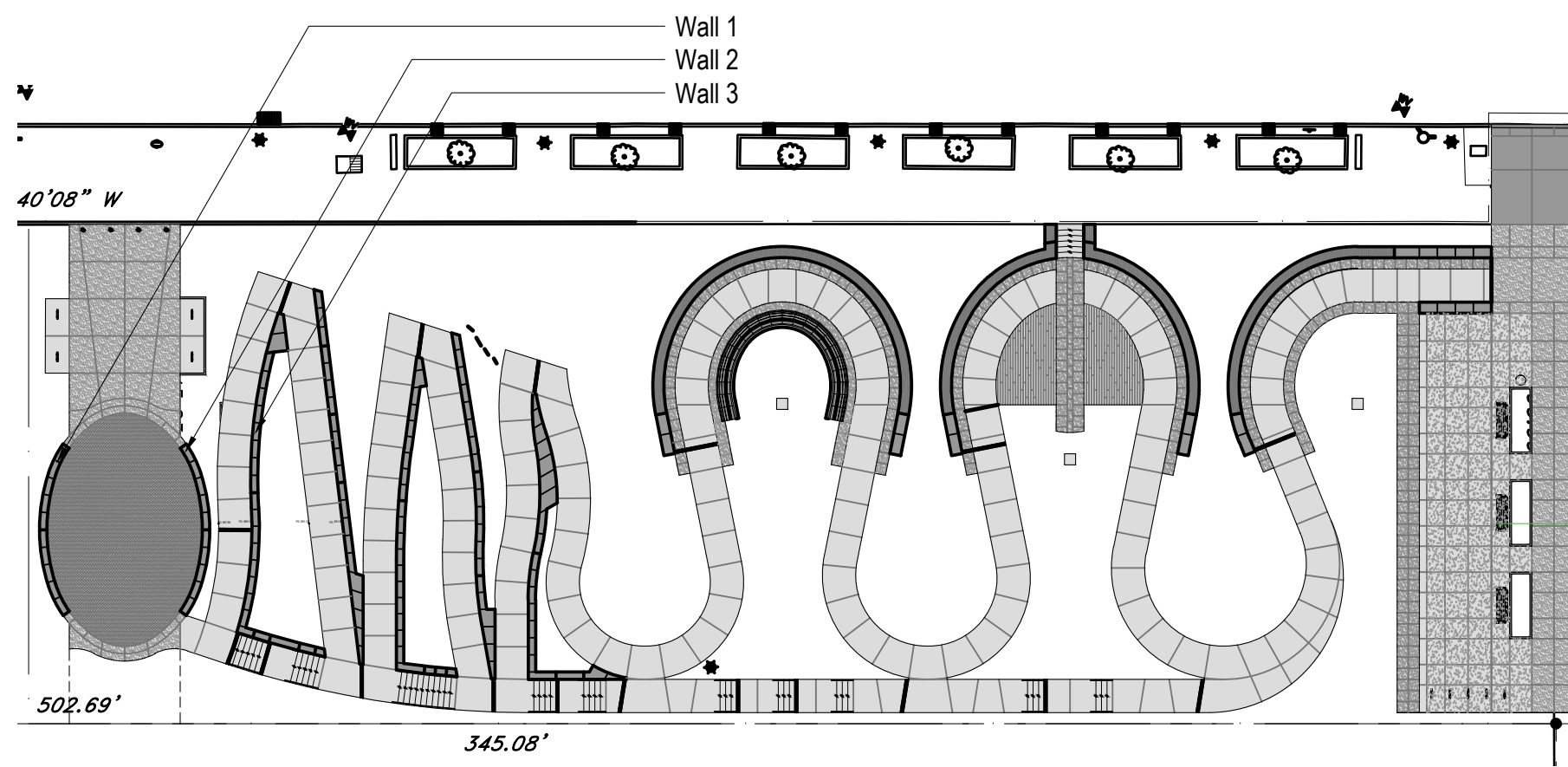
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**Site Grading Plan**

Submission:  
**100% Construction Documents**

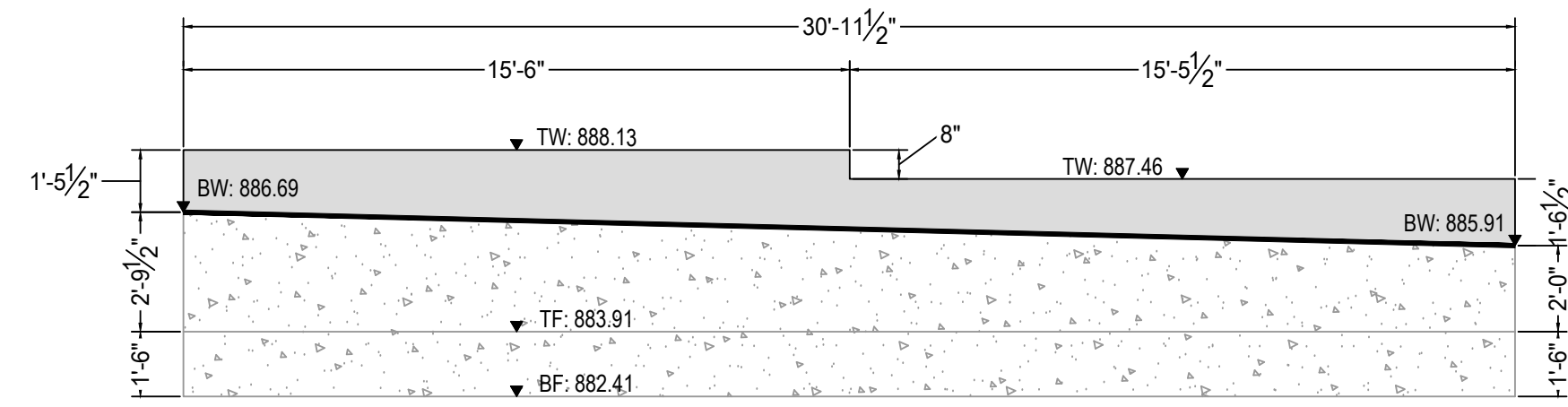
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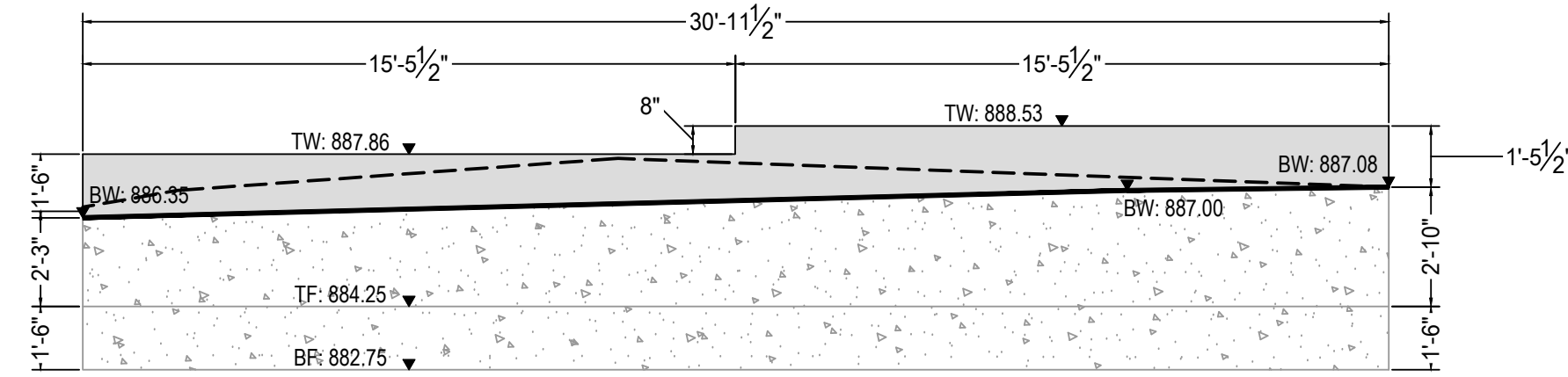




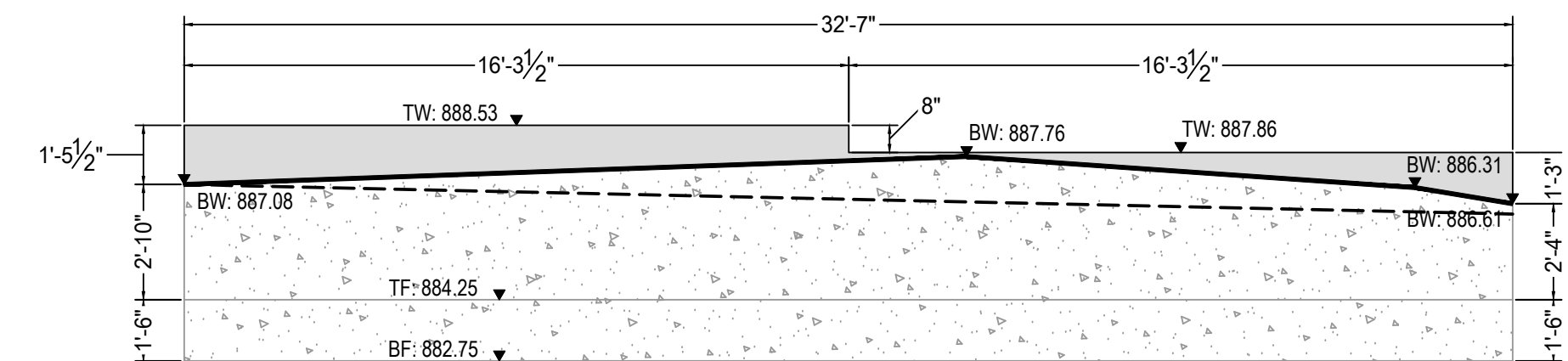
Wall Elevation Key Plan  
Scale: 1"=30'-0"



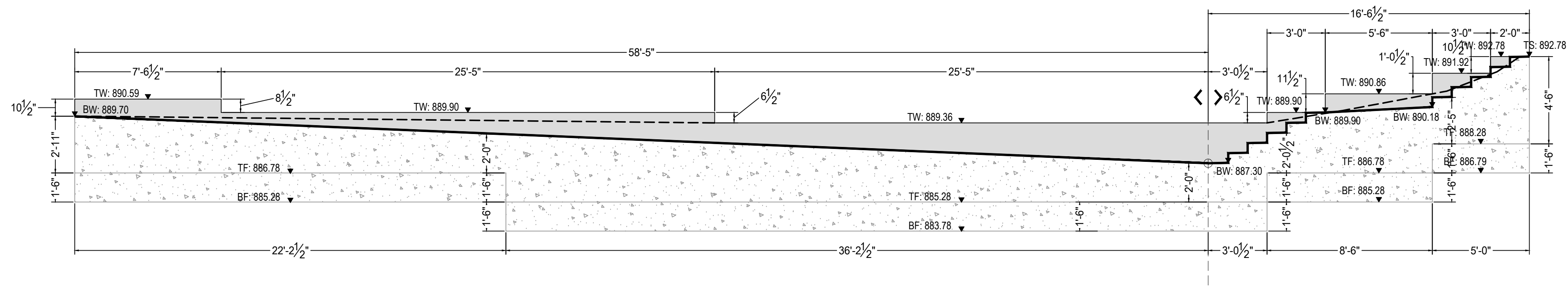
1 Wall Elevation 1  
Scale: 1"=4'-0"



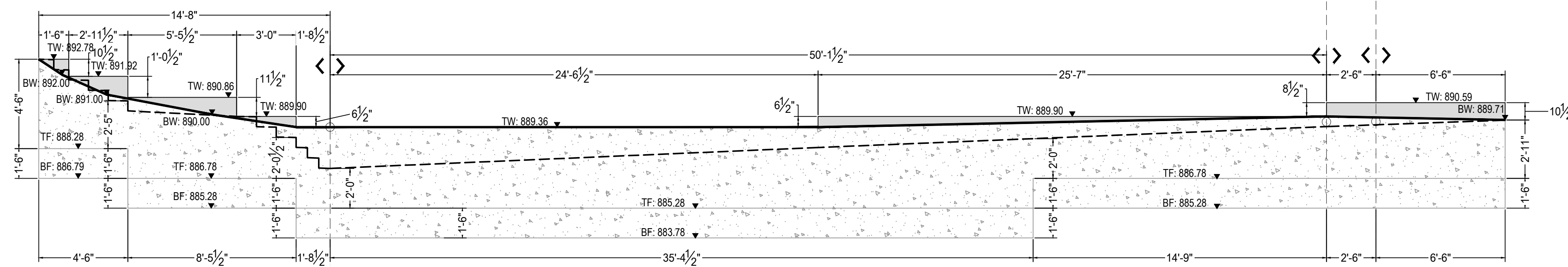
2 Wall Elevation 2 - Side A  
Scale: 1"=4'-0"



3 Wall Elevation 2 - Side B  
Scale: 1"=4'-0"



4 Wall Elevation 3 - Side A  
Scale: 1"=4'-0"



5 Wall Elevation 3 - Side B  
Scale: 1"=4'-0"



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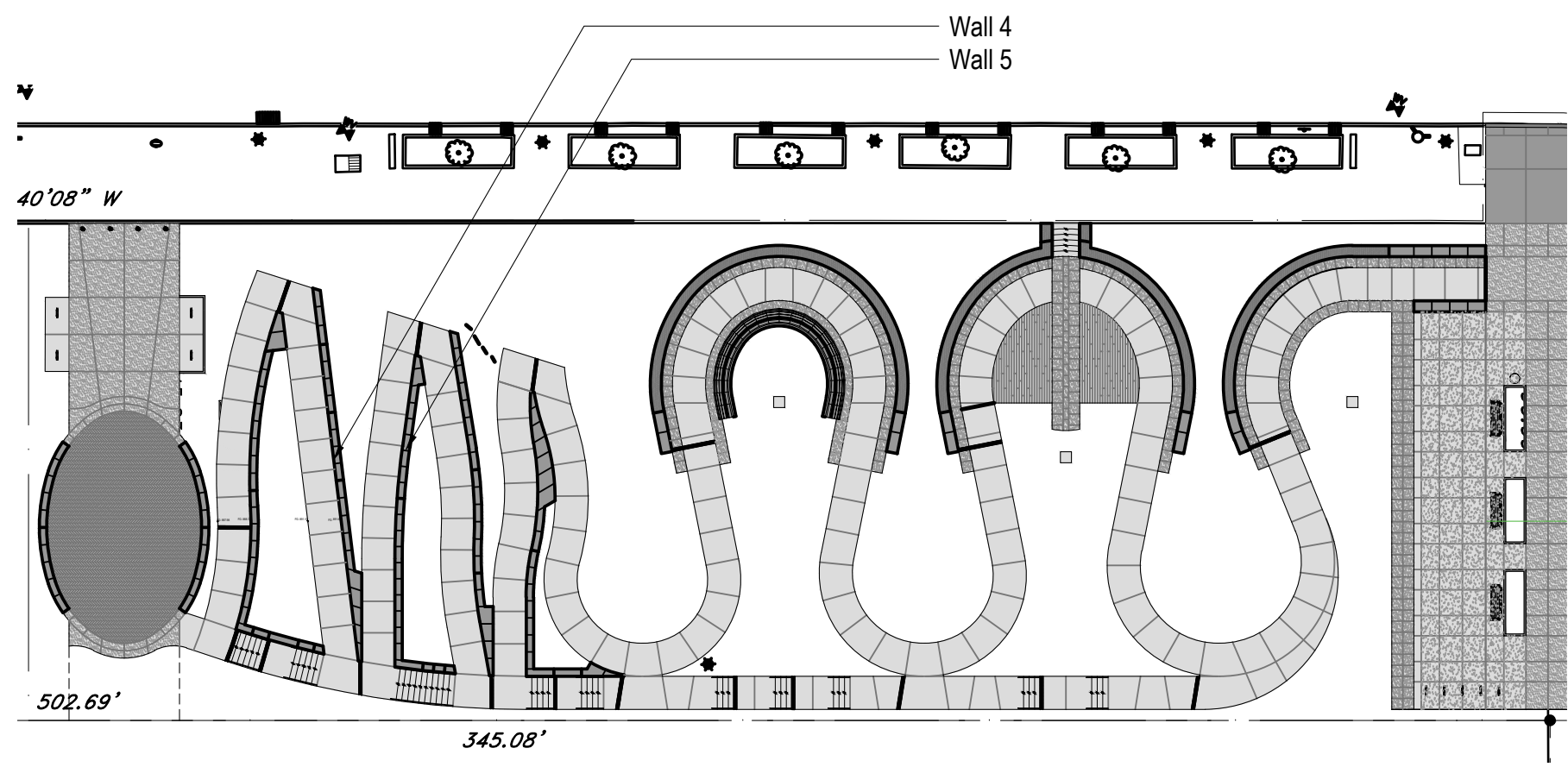
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Sheet Name:  
Developed Wall  
Elevations

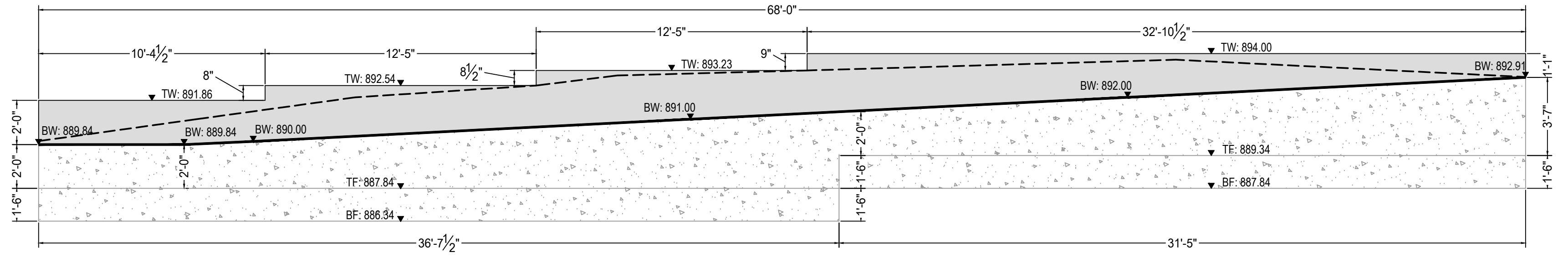
Submission:  
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Sheet Number:  
L400

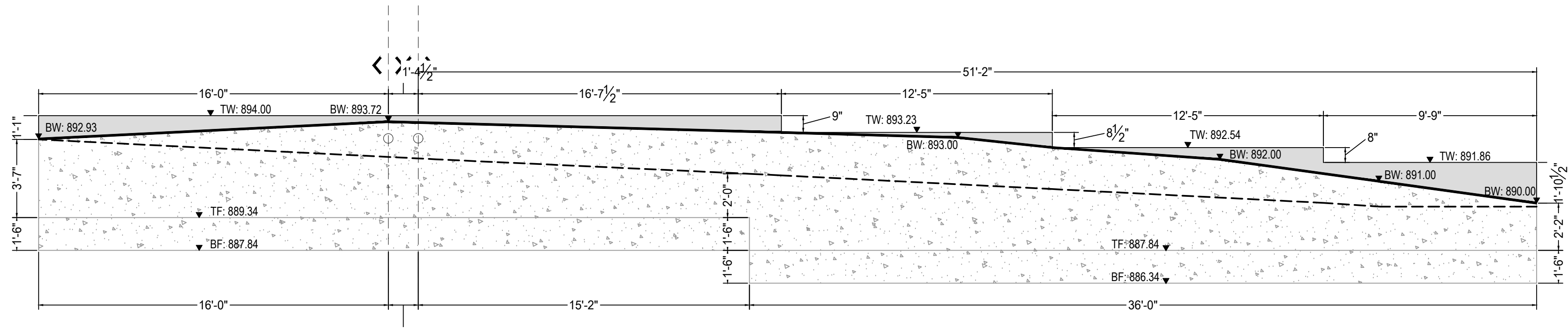
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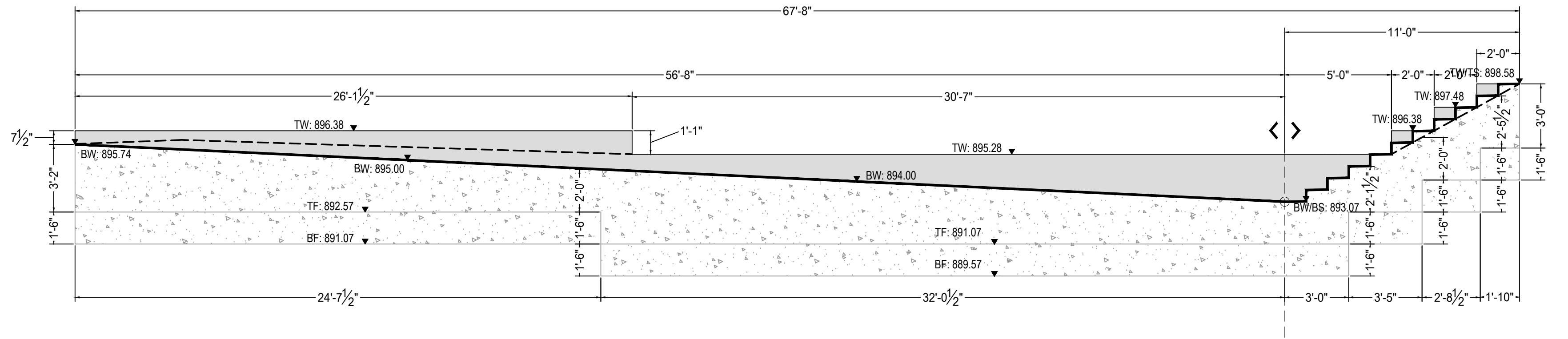
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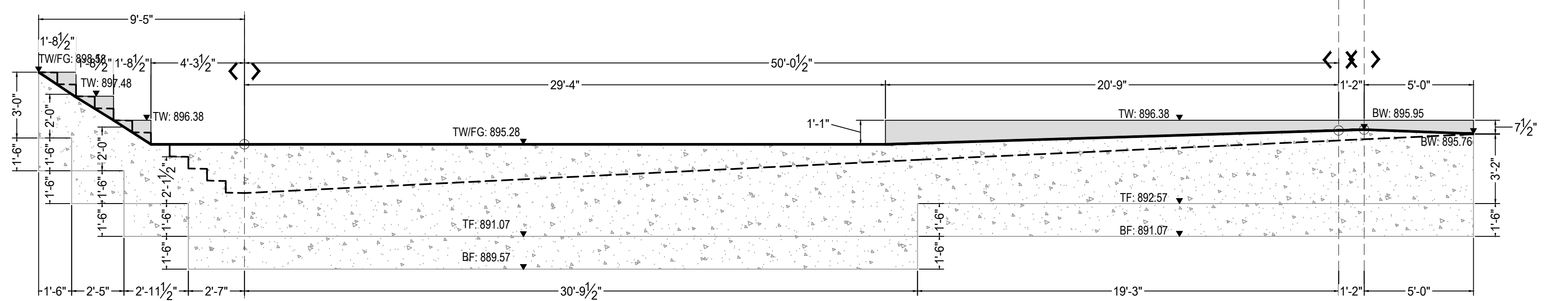
1 Wall Elevation 4 - Side A  
Scale: 1"=4'-0"



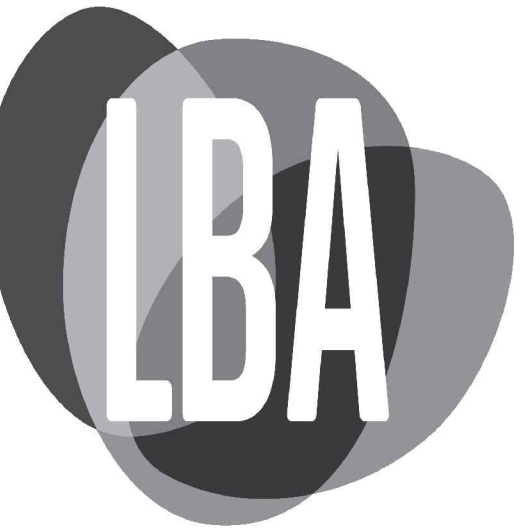
2 Wall Elevation 4 - Side B  
Scale: 1"=4'-0"



3 Wall Elevation 5 - Side A  
Scale: 1"=4'-0"



4 Wall Elevation 5 - Side B  
Scale: 1"=4'-0"



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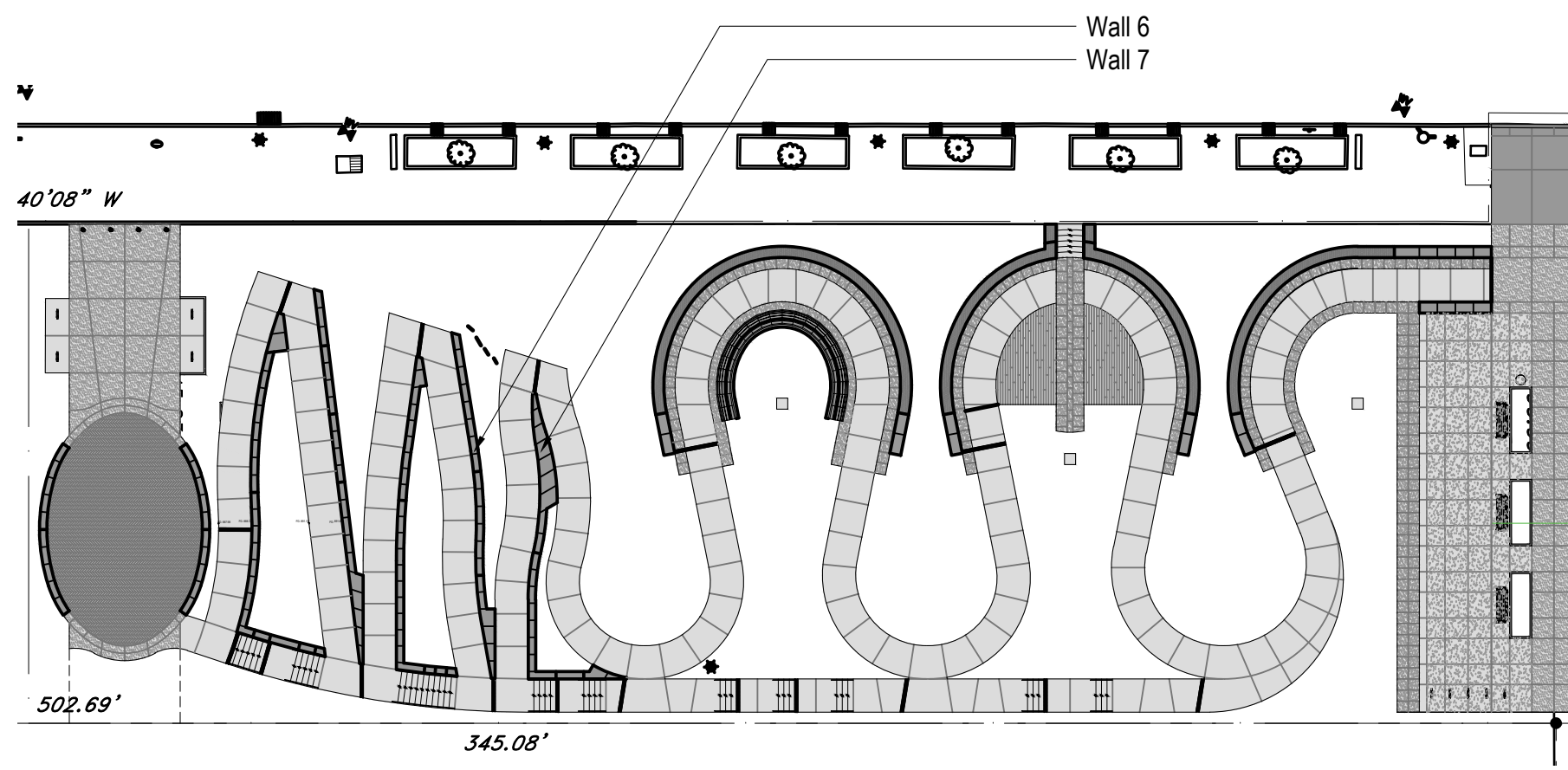
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Sheet Name:  
Developed Wall Elevations

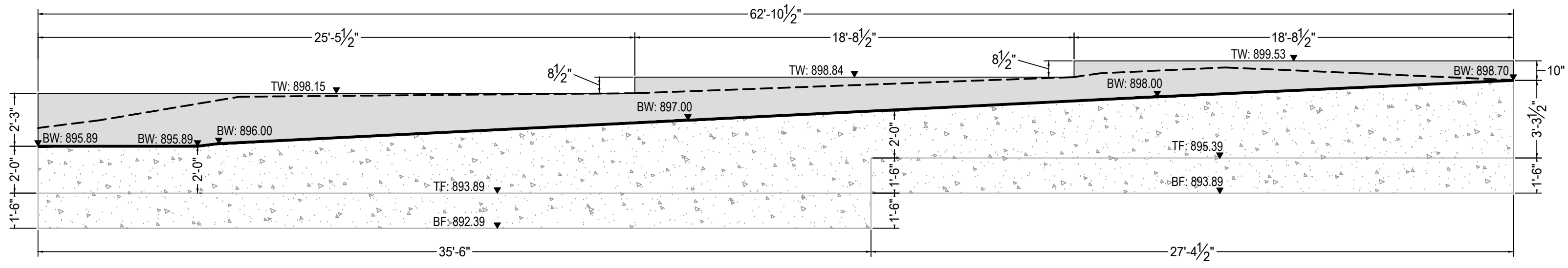
Submission:  
100% Construction Documents

Sheet Number:  
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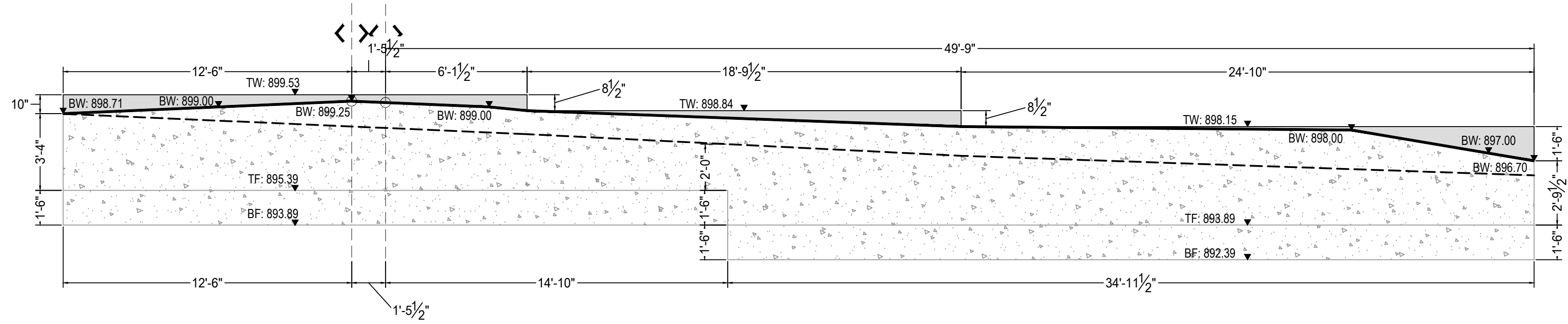
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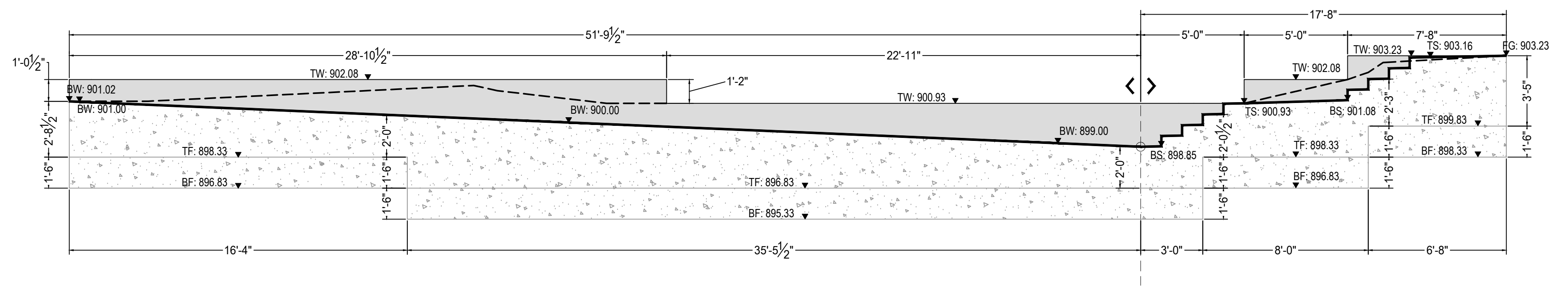
Wall Elevation Key Plan  
Scale: 1"=30'-0"



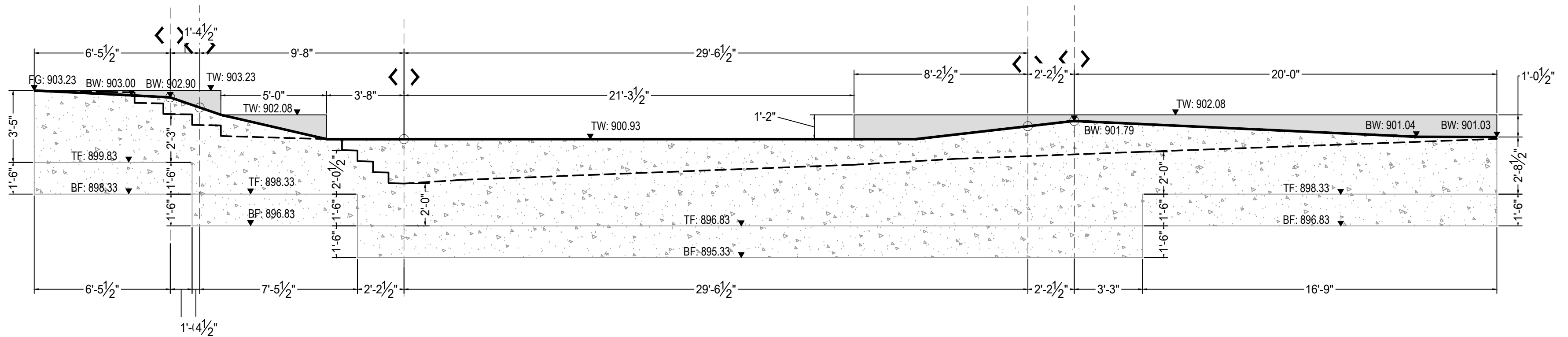
1 Wall Elevation 6 - Side A  
Scale: 1"=4'-0"



2 Wall Elevation 6 - Side B  
Scale: 1"=4'-0"



3 Wall Elevation 7 - Side A  
Scale: 1"=4'-0"



4 Wall Elevation 7 - Side B  
Scale: 1"=4'-0"



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Scale:  
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Sheet Name:  
Developed Wall  
Elevations

Submission:  
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Sheet Number:

L402

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April 28, 2023

Revisions:

Scale:  
as noted

Sheet Name:

Developed Wall Elevations

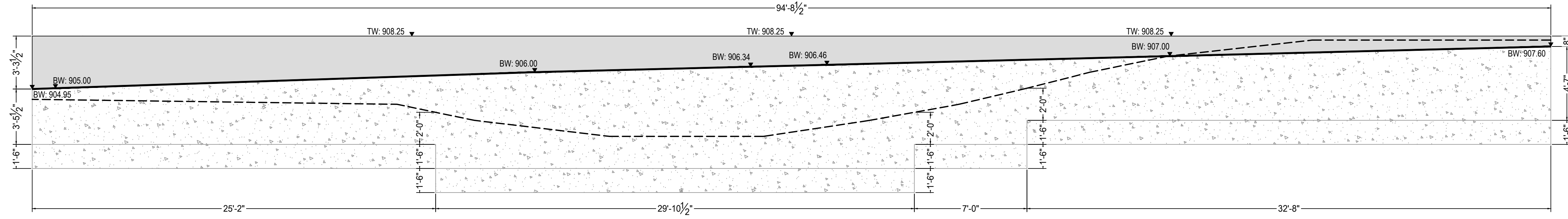
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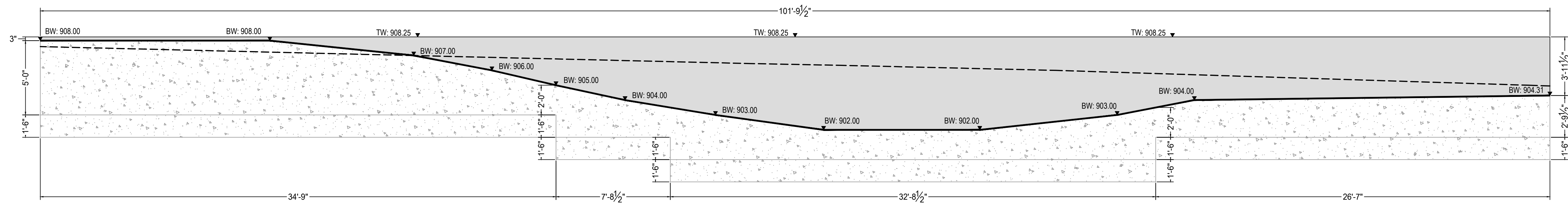
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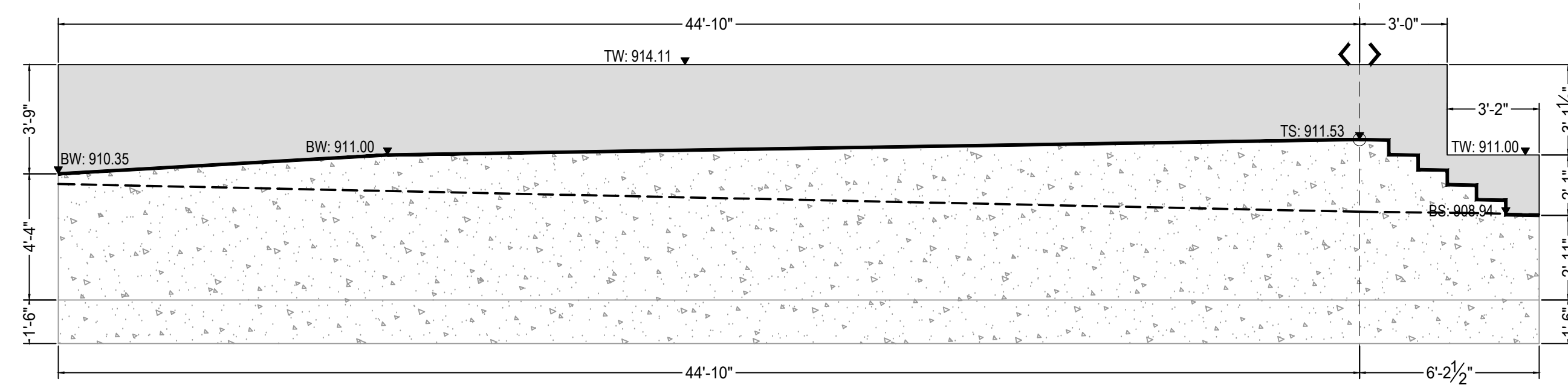
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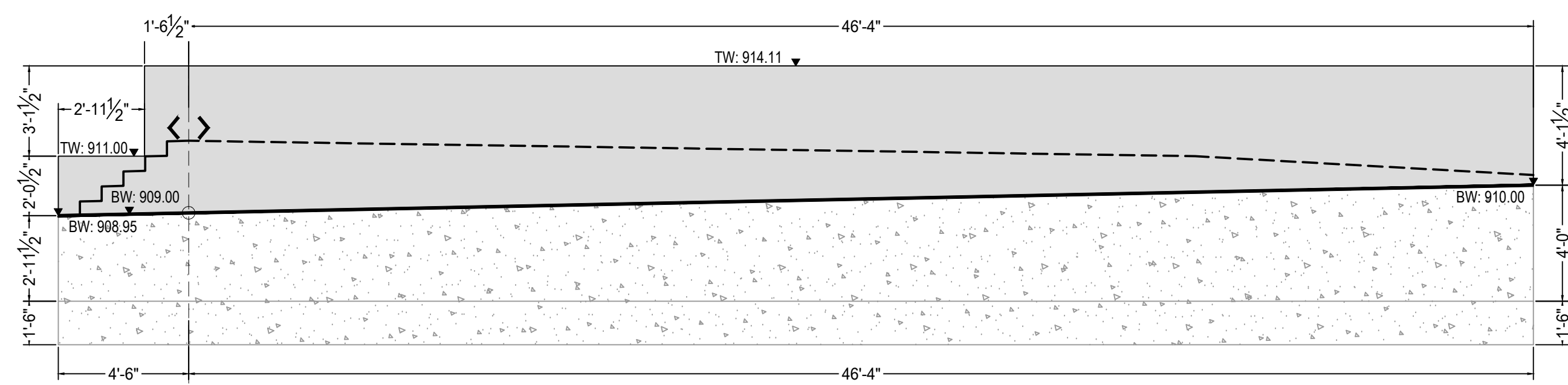
1 Wall Elevation 8 - Side A  
L403 Scale: 1"=4'-0"



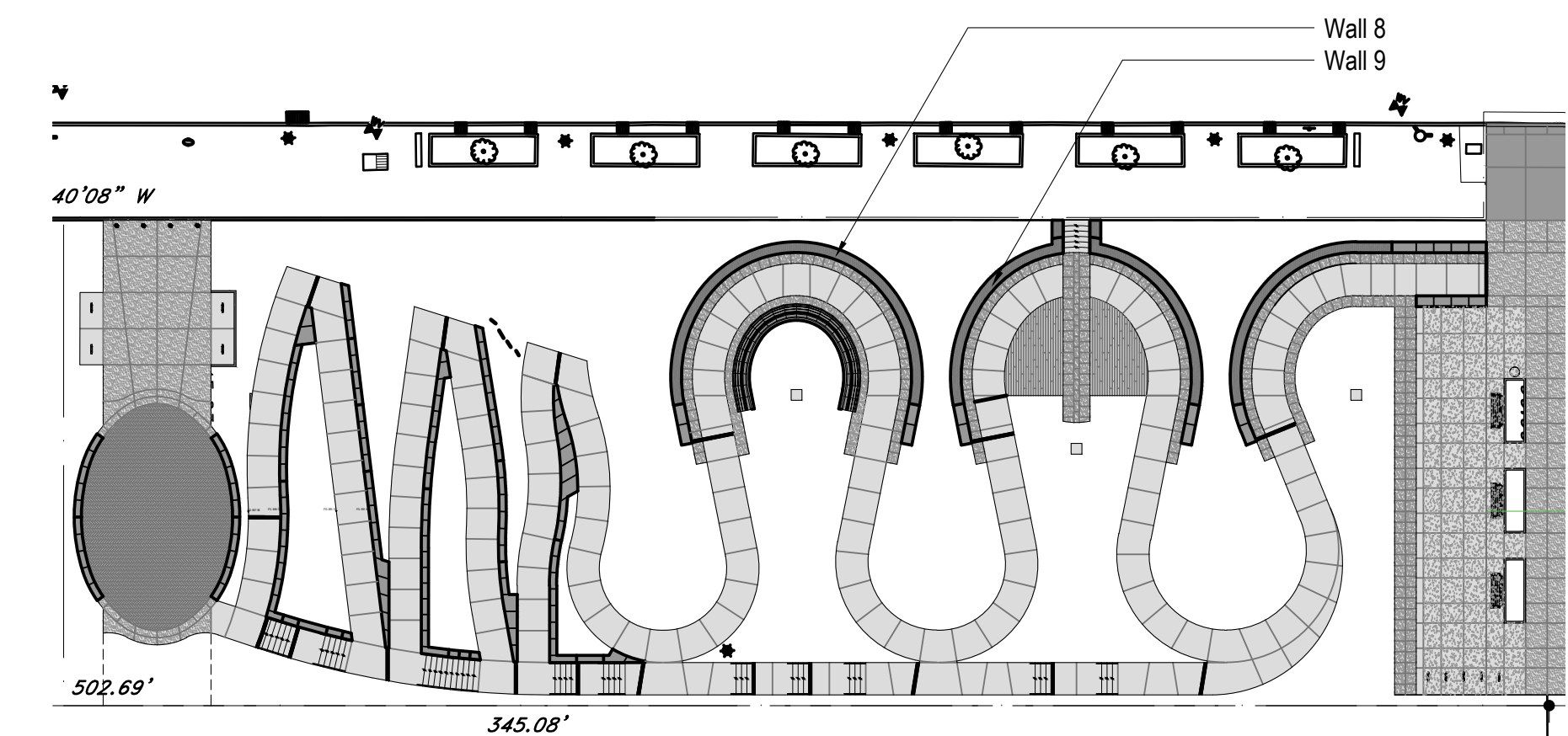
2 Wall Elevation 8 - Side B  
L403 Scale: 1"=4'-0"



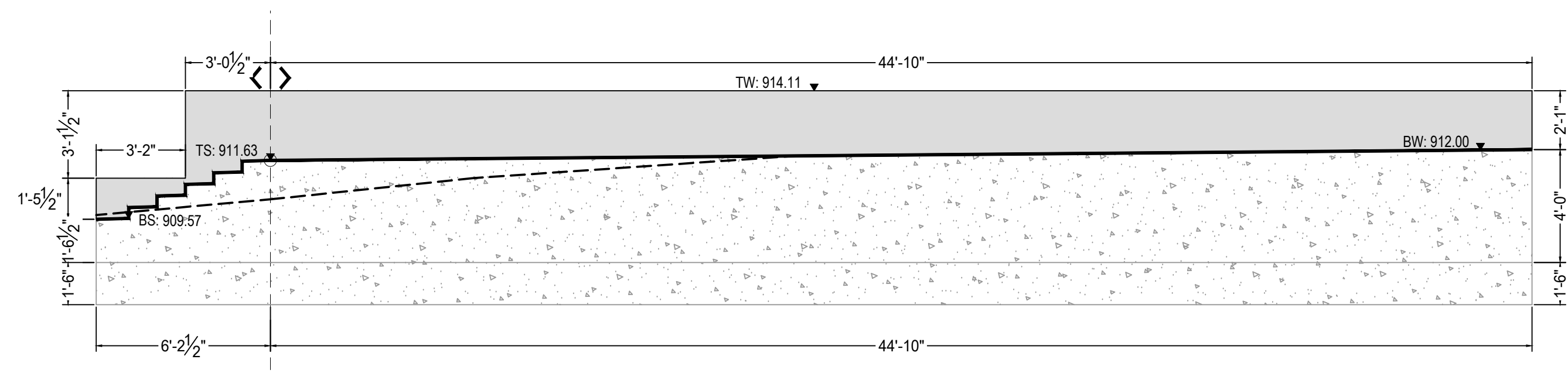
3 Wall Elevation 9 - Side A  
L403 Scale: 1"=4'-0"



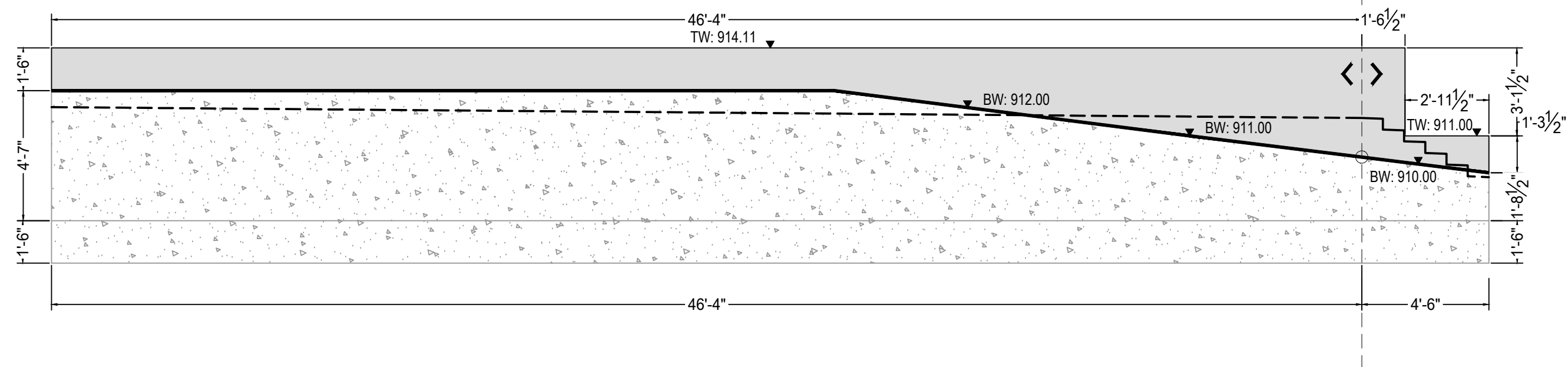
4 Wall Elevation 9 - Side B  
L403 Scale: 1"=4'-0"



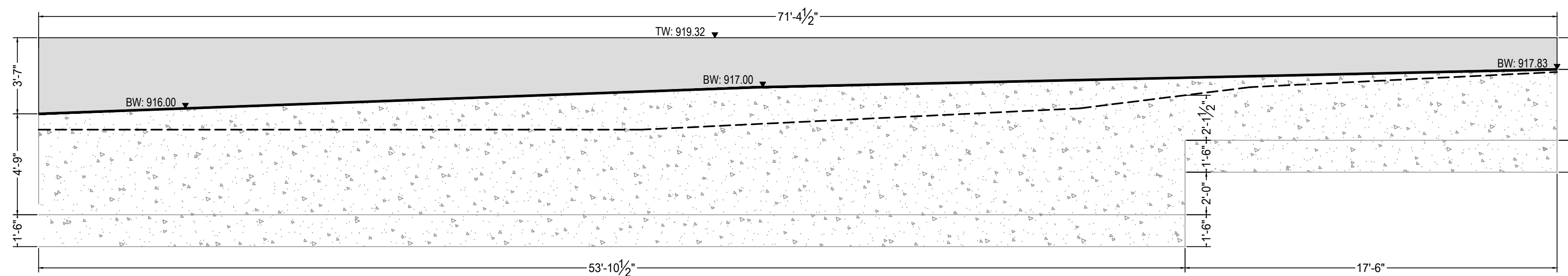
Wall Elevation Key Plan  
Scale: 1"=30'-0"



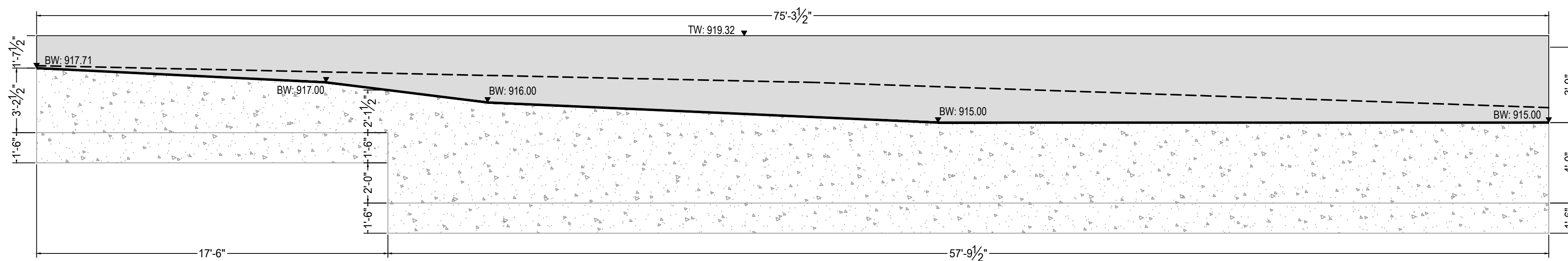
1 Wall Elevation 10 - Side A  
L404 Scale: 1"=4'-0"



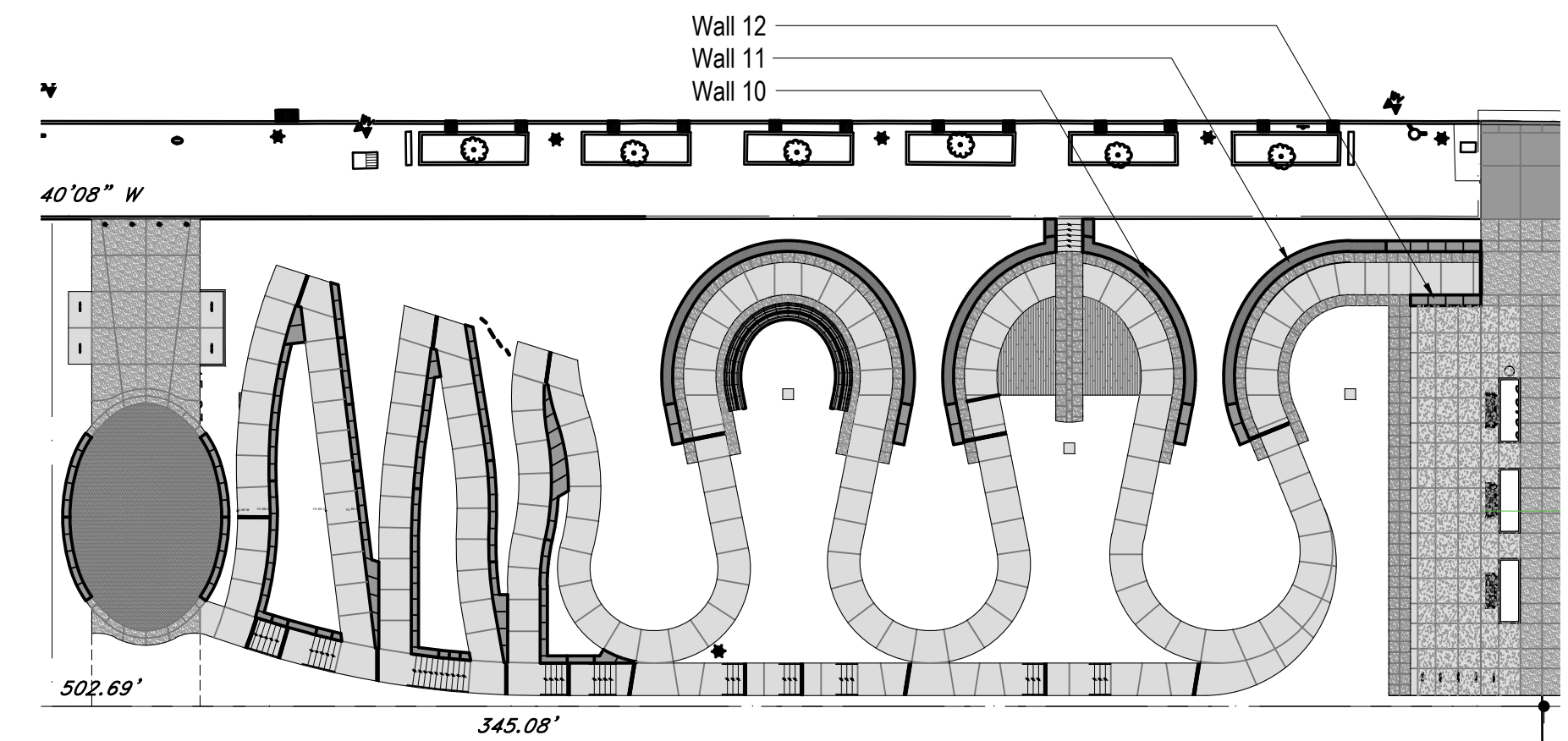
2 Wall Elevation 10 - Side B  
L404 Scale: 1"=4'-0"



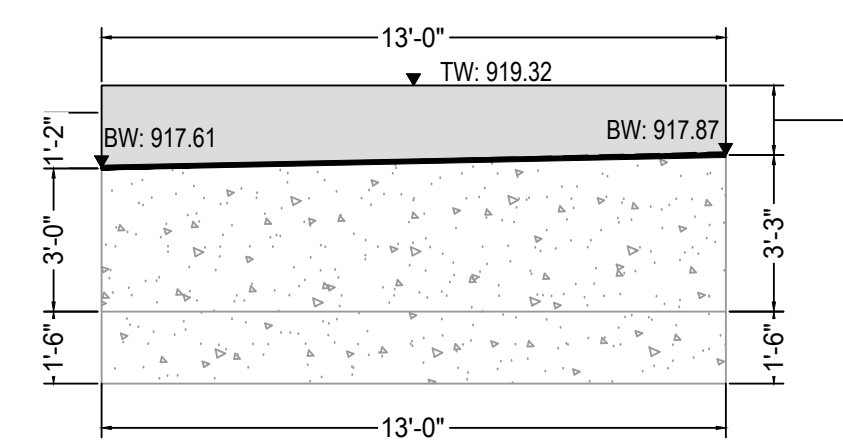
3 Wall Elevation 11 - Side A  
L404 Scale: 1"=4'-0"



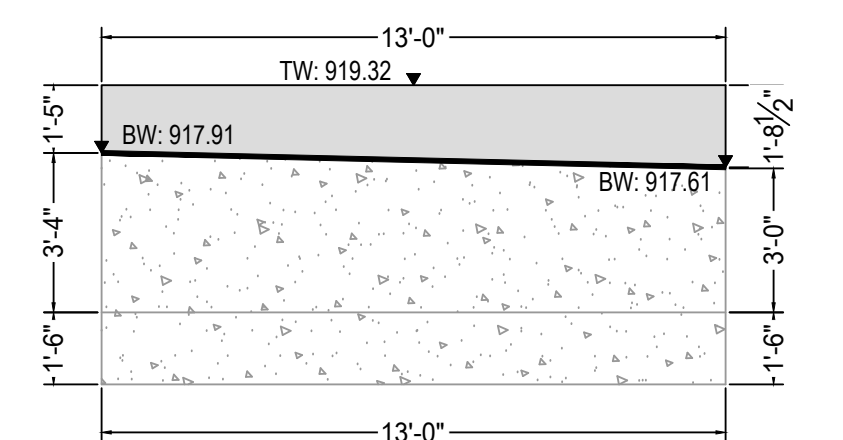
4 Wall Elevation 11 - Side B  
L404 Scale: 1"=4'-0"



Wall Elevation Key Plan  
Scale: 1"=30'-0"



5 Wall Elevation 12 - Side A  
L404 Scale: 1"=4'-0"



6 Wall Elevation 12 - Side B  
L404 Scale: 1"=4'-0"



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April 28, 2023

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Scale:

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Sheet Name:

Developed Wall  
Elevations

Submission:

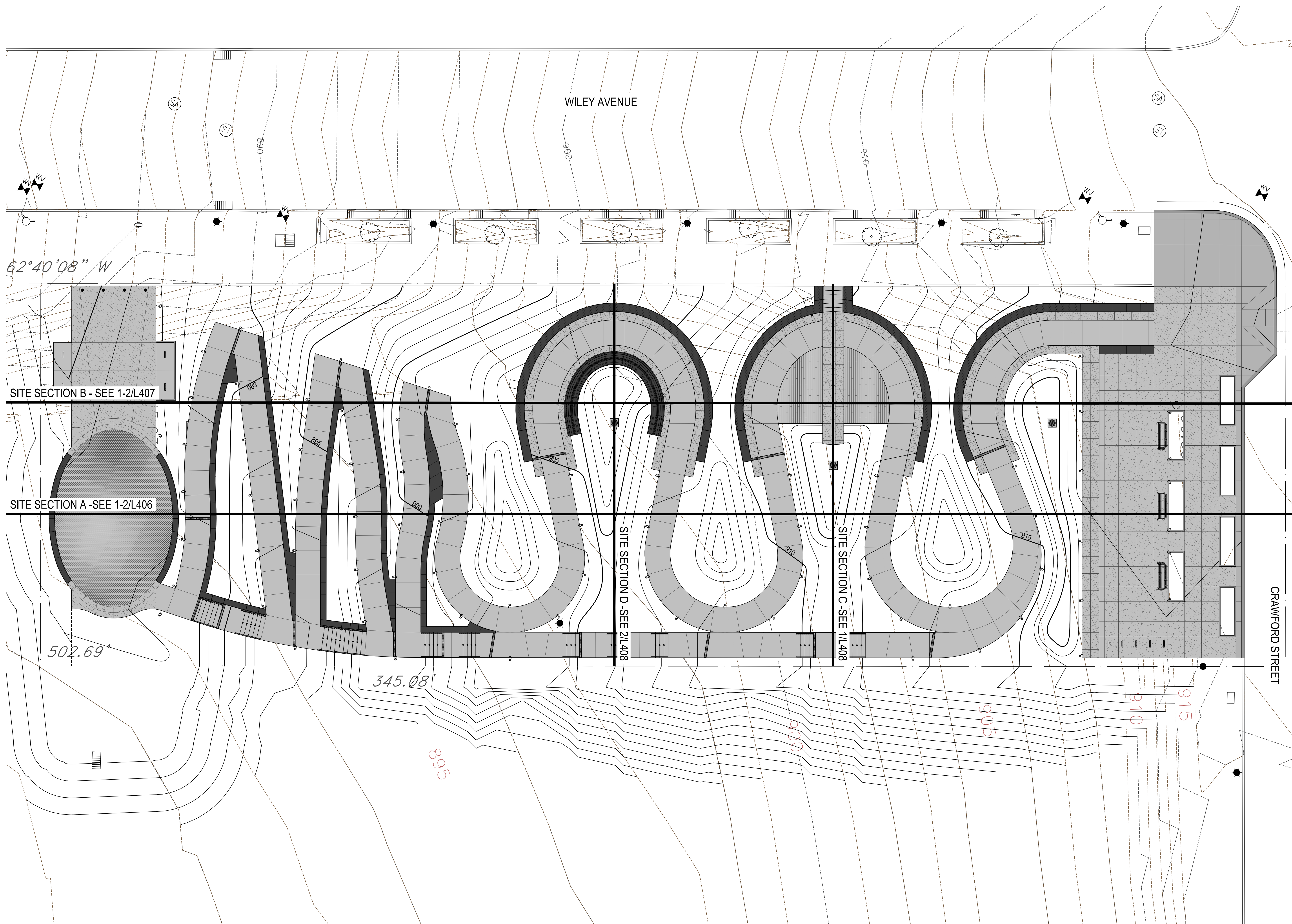
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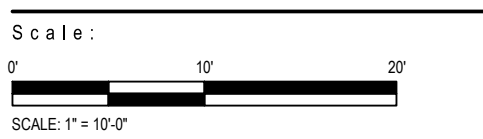
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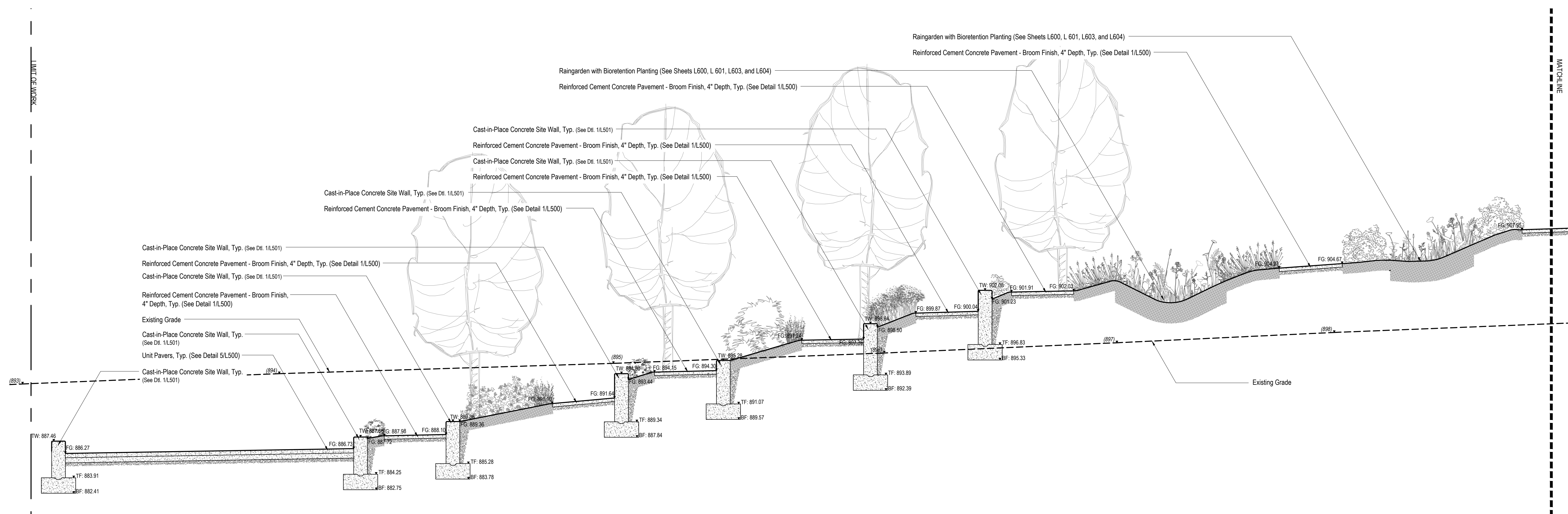


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**Site Section  
Reference Plan**

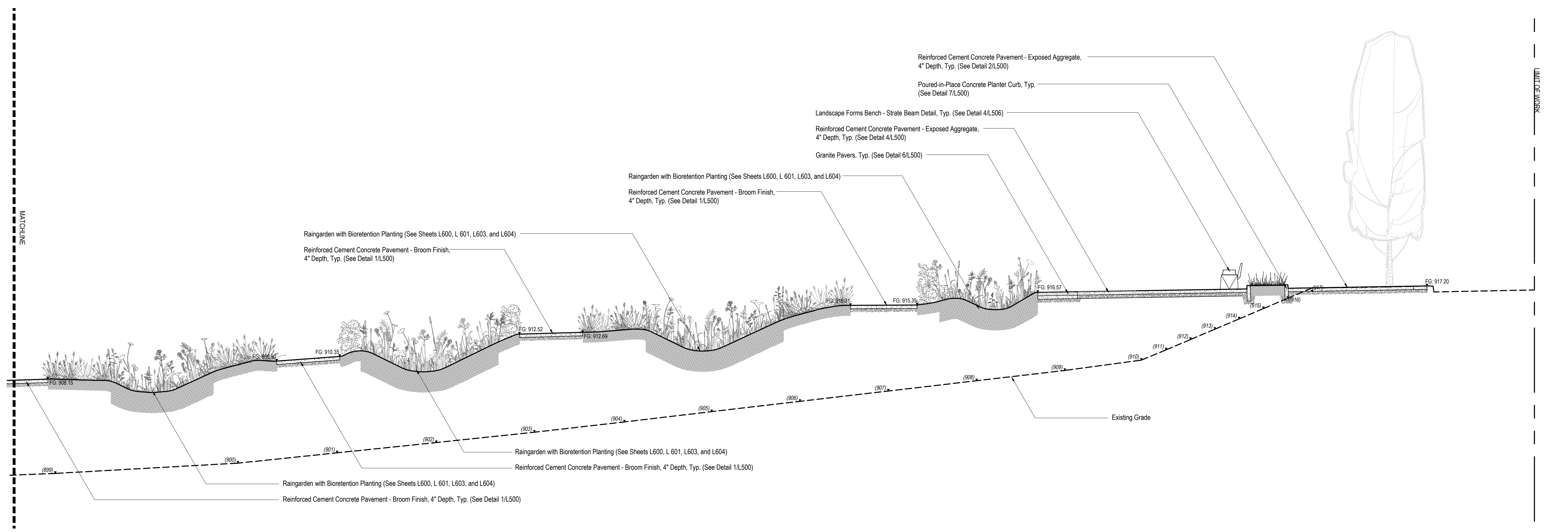
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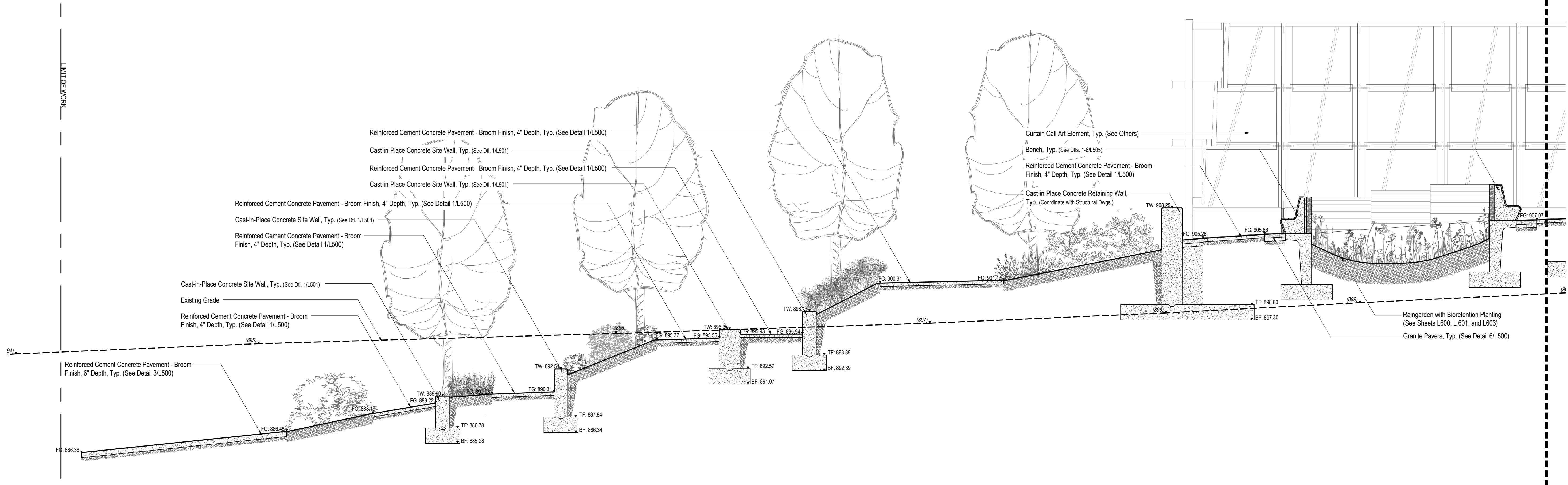
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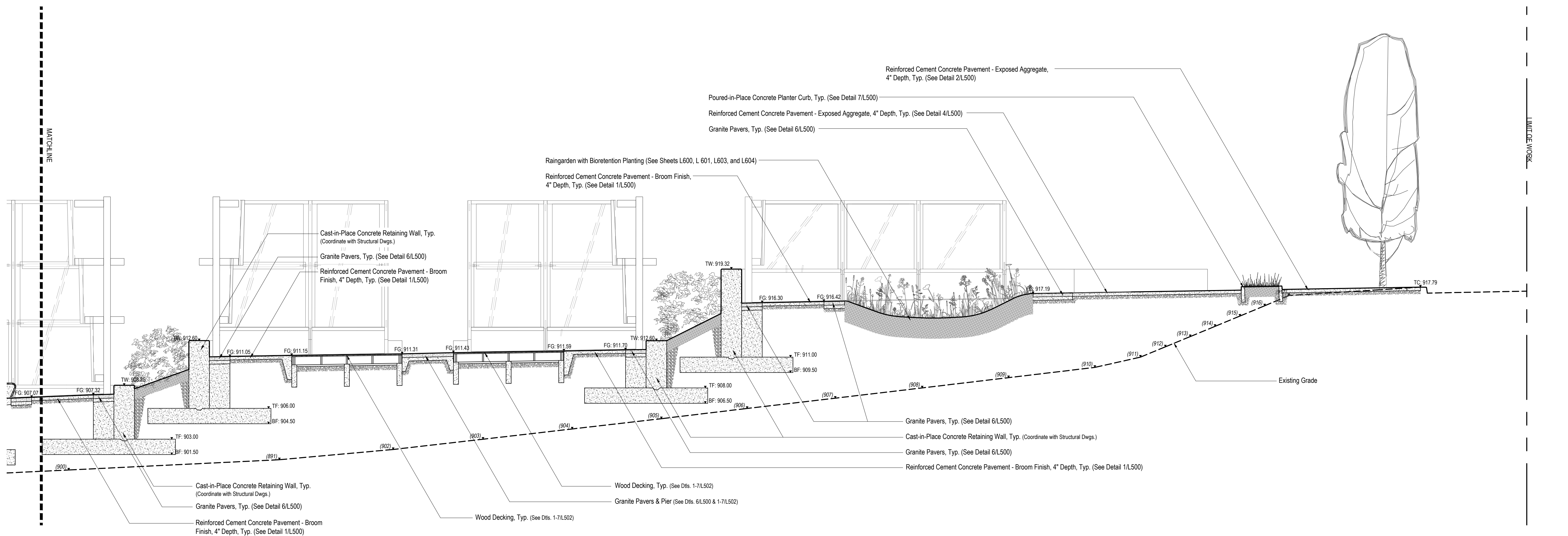
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L406 SCALE: 1"=5'



2 SECTION A - PART 2  
L406 SCALE: 1"=5'



1 SECTION B - PART 1  
SCALE: 1"=5'



2 SECTION B - PART 2  
SCALE: 1"=5'



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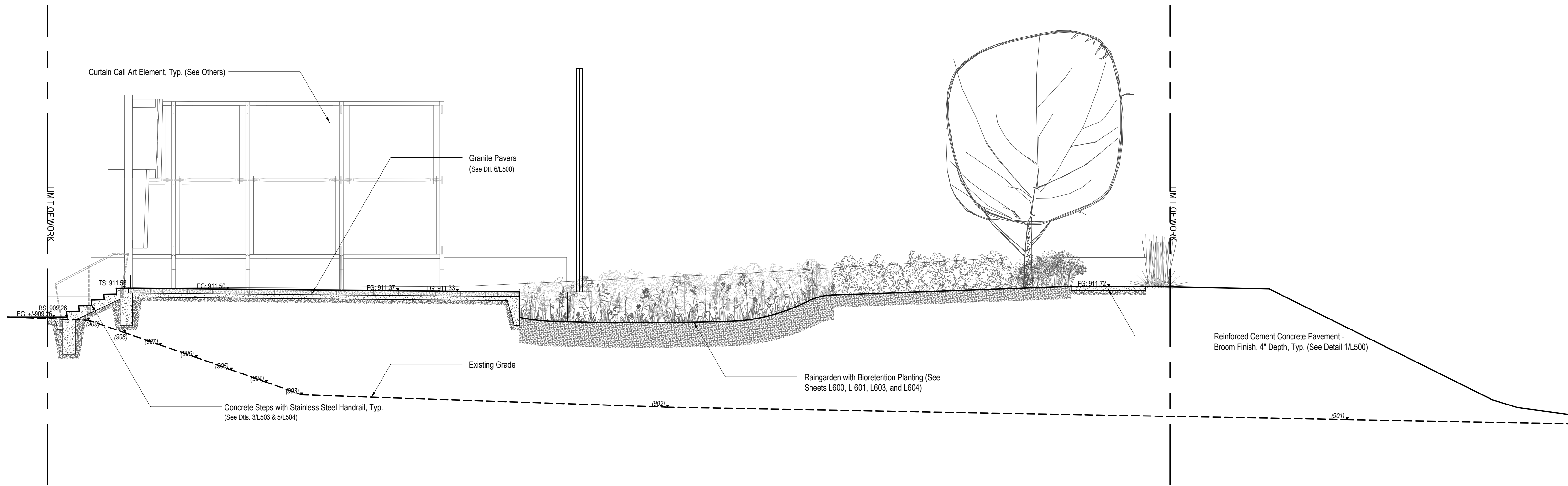
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**Site Sections**

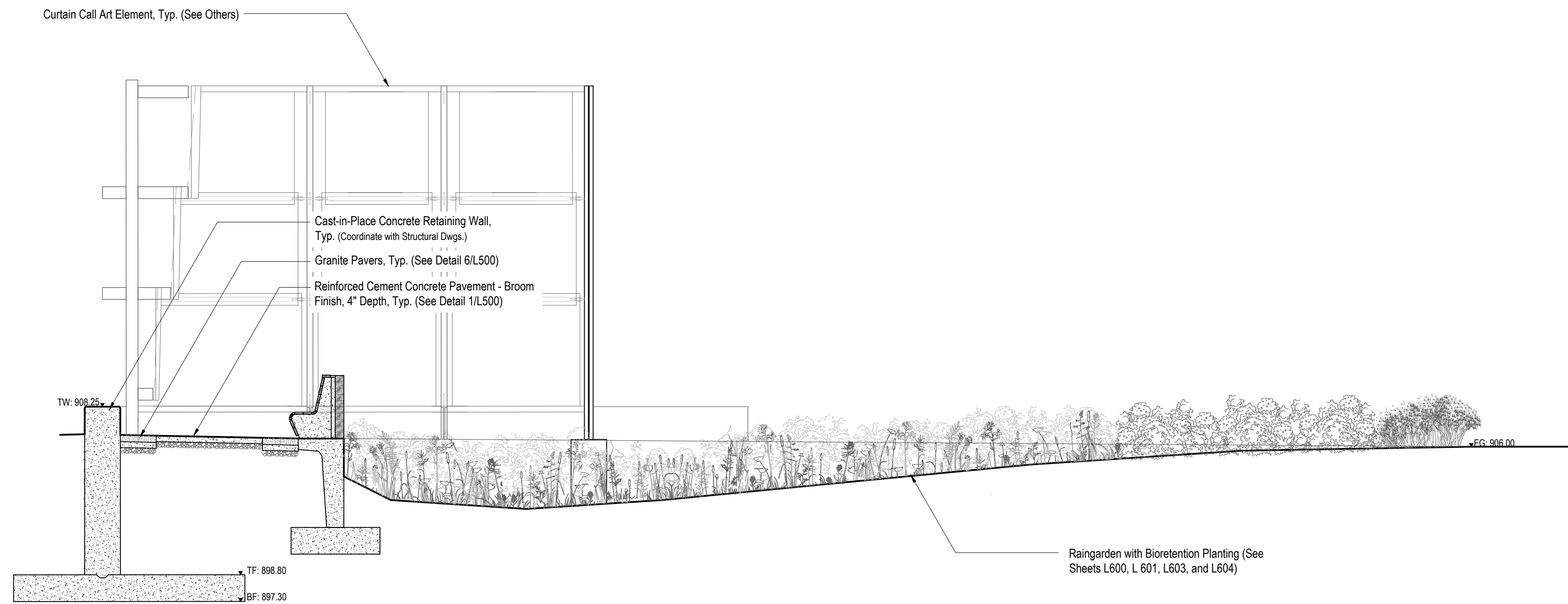
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Sheet Number:  
**L407**

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1 SECTION C  
L408 SCALE: 1"=5'



2 SECTION D  
L408 SCALE: 1"=5'



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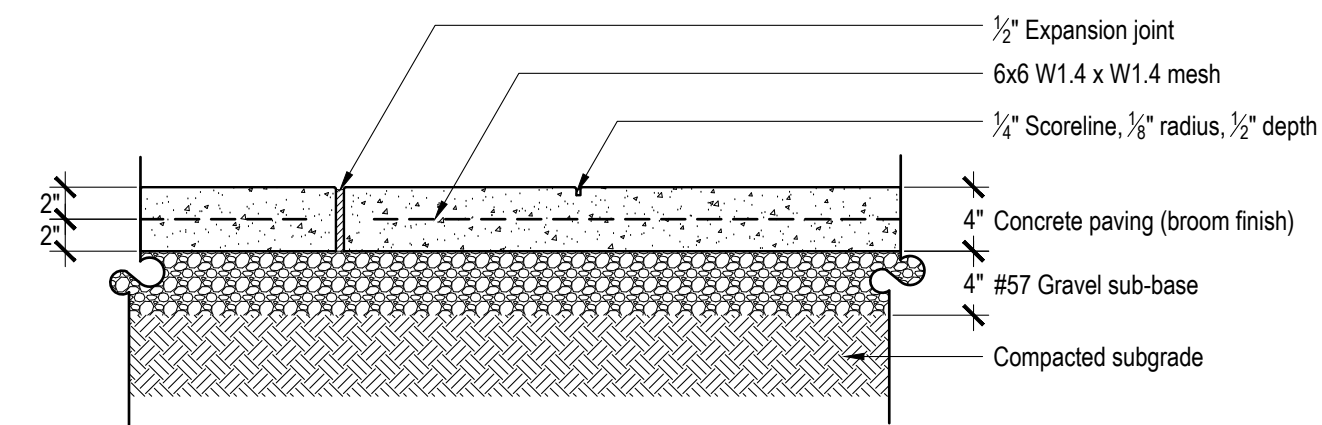
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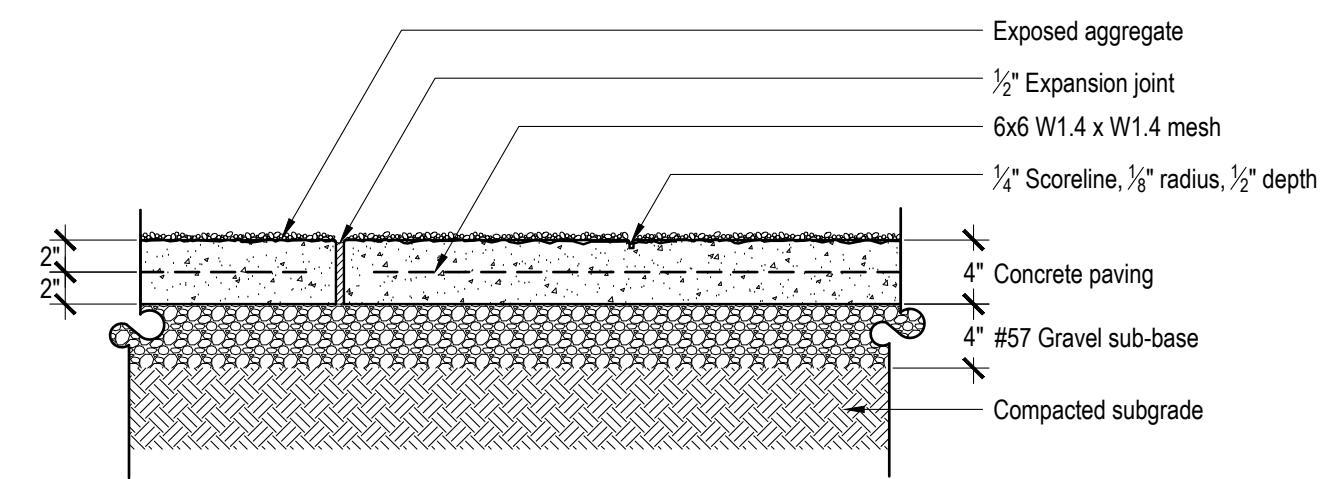
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Sheet Number:  
L408

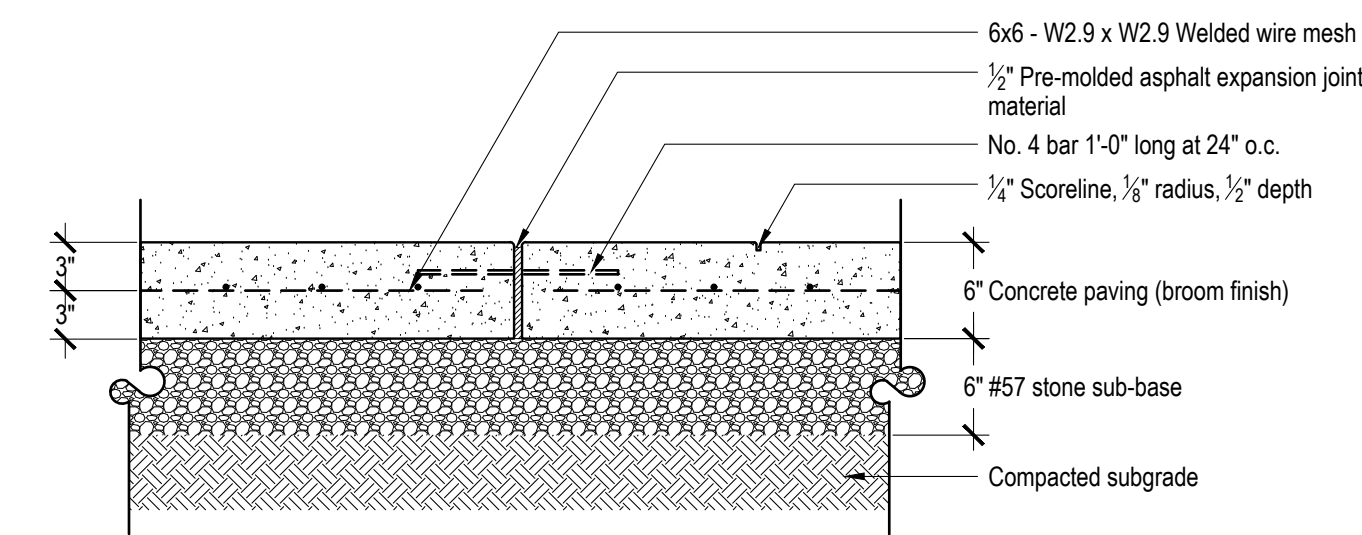
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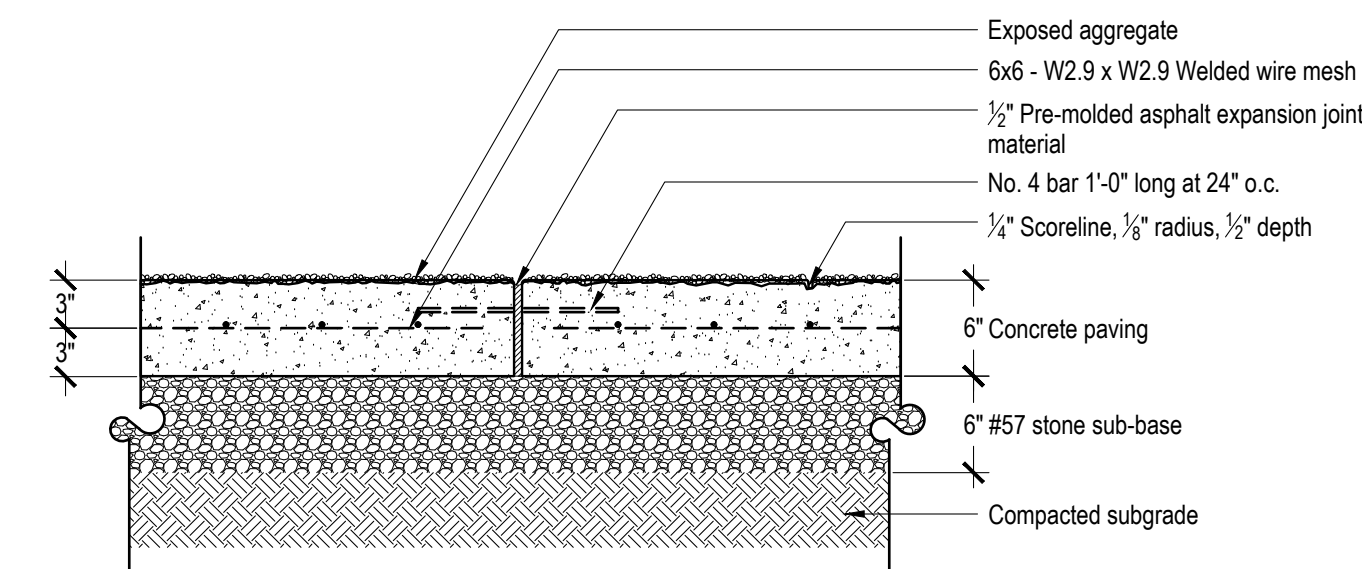
1 Reinforced Cement Concrete Pavement - Broom Finish, 4" Depth  
Scale: 1"=1'-0"



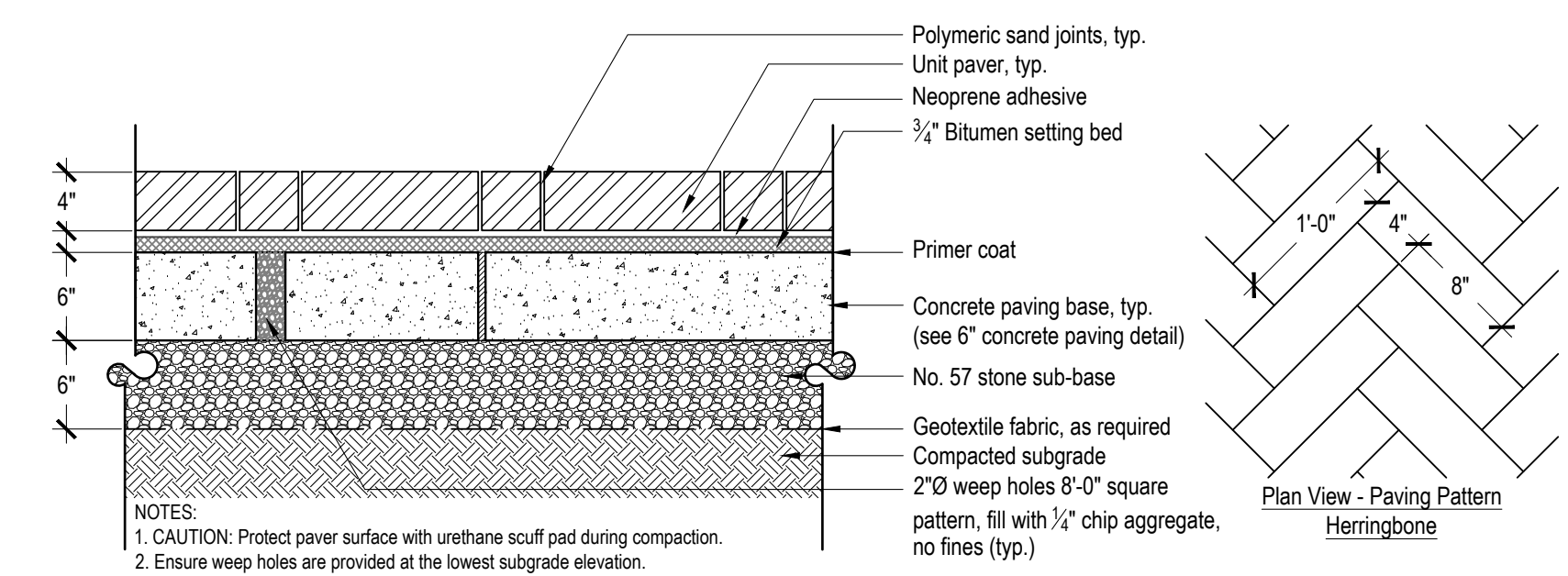
2 Reinforced Cement Concrete Pavement - Exposed Aggregate, 4" Depth  
Scale: 1"=1'-0"



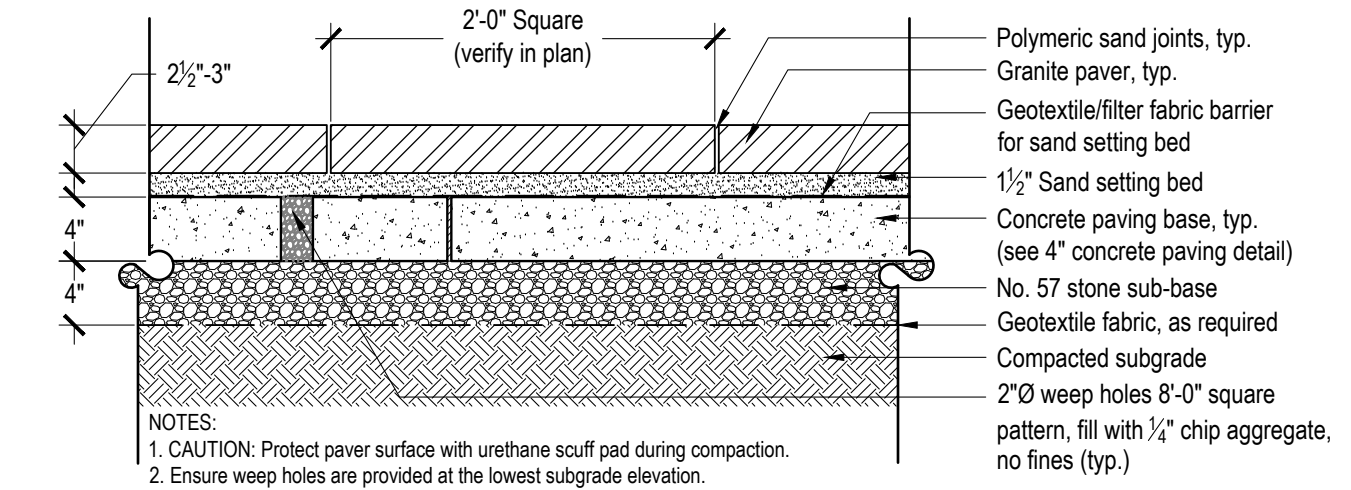
3 Reinforced Cement Concrete Pavement - Broom Finish, 6" Depth  
Scale: 1"=1'-0"



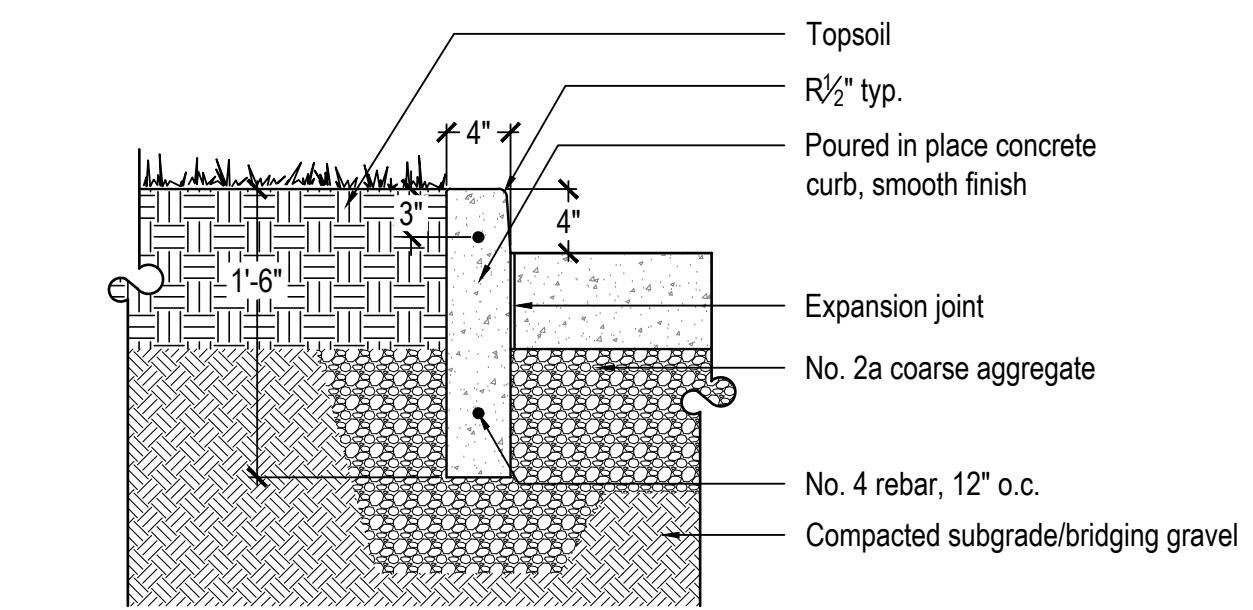
4 Reinforced Cement Concrete Pavement - Exposed Aggregate, 6" Depth  
Scale: 1"=1'-0"



5 Unit Paver Detail  
Scale: 1"=1'-0"



6 Granite Paver Detail  
Scale: 1"=1'-0"



7 Poured In Place Concrete Planter Curb  
Scale: 1"=1'-0"



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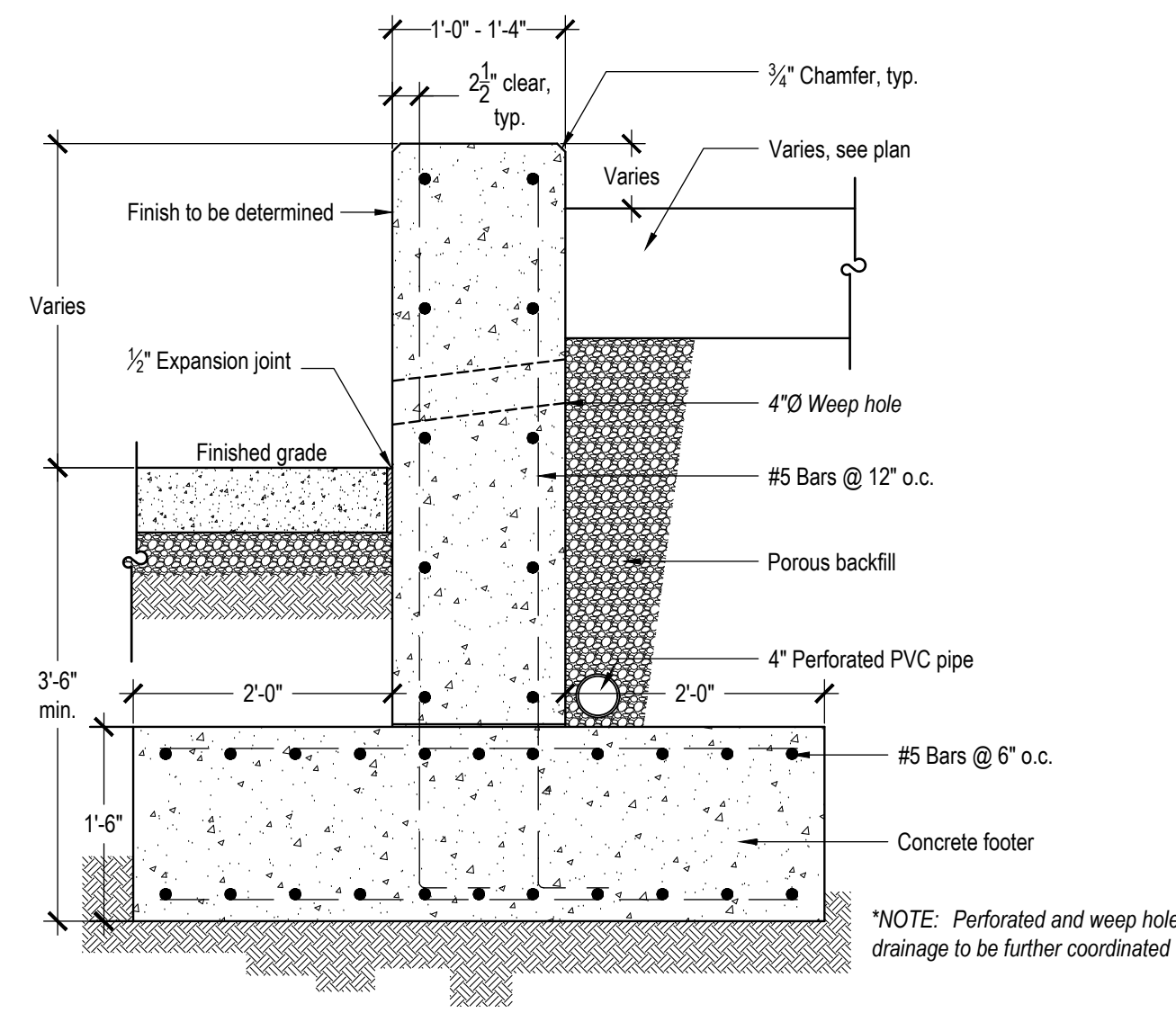
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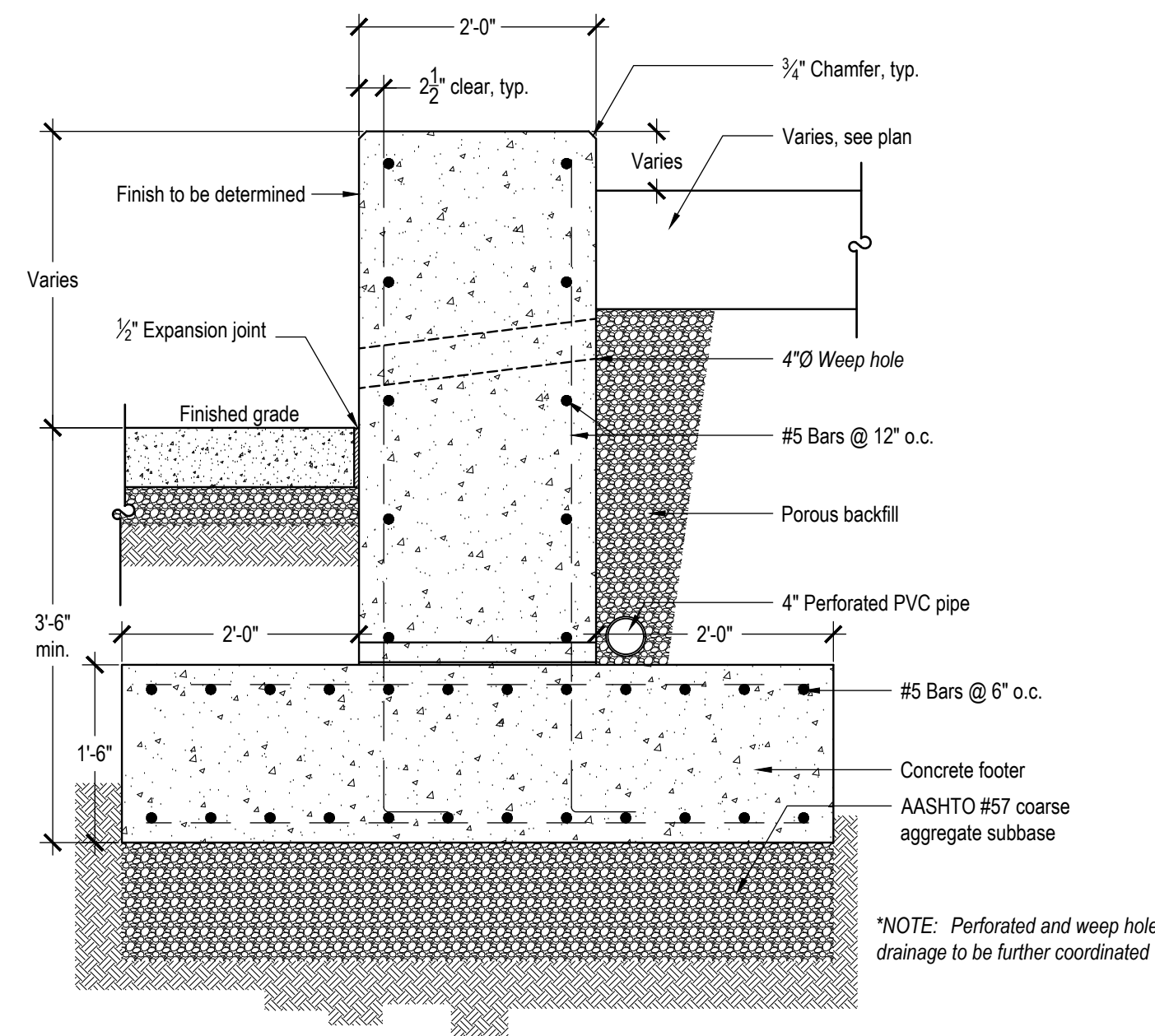
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100% Construction Documents

Sheet Number:  
L500

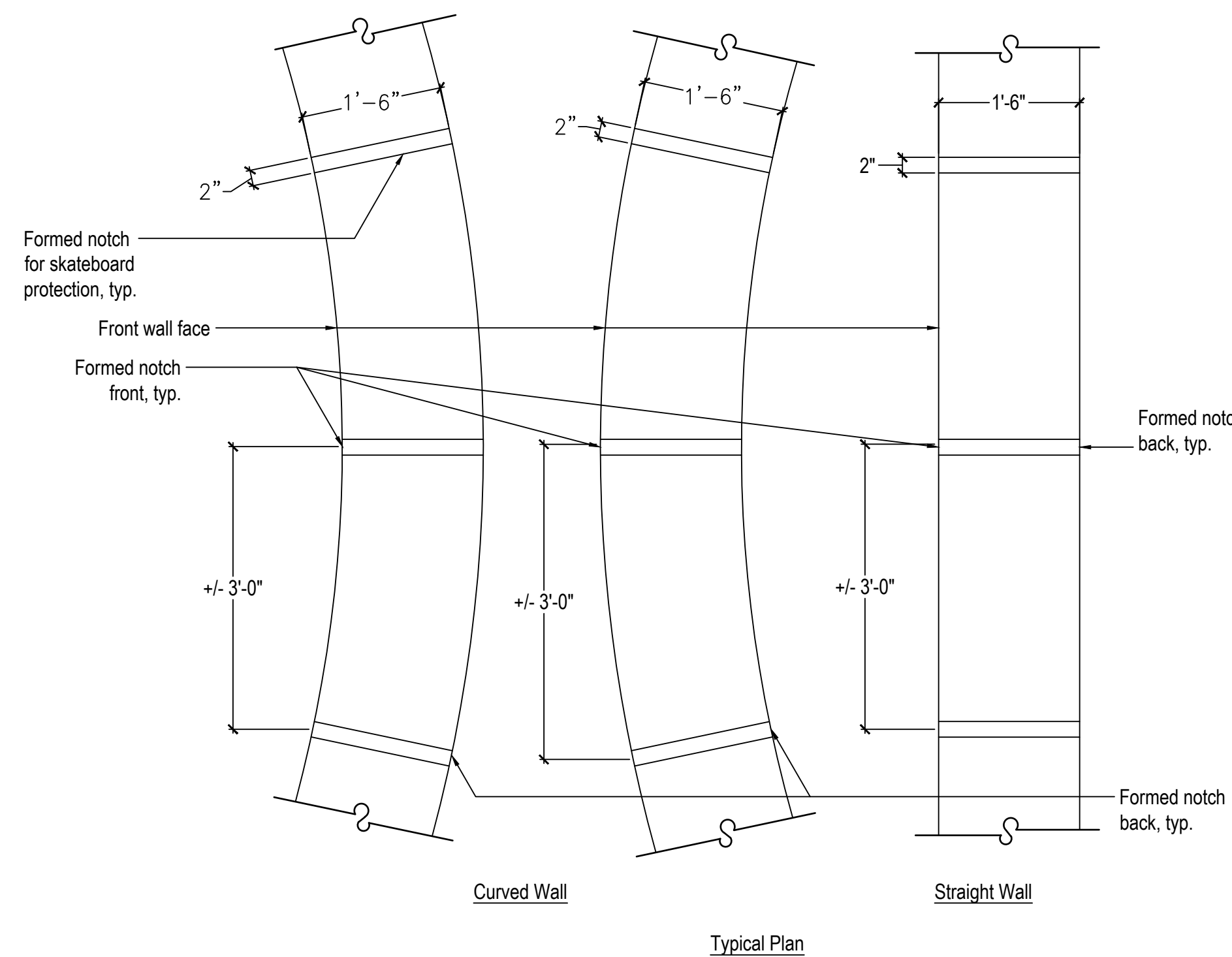
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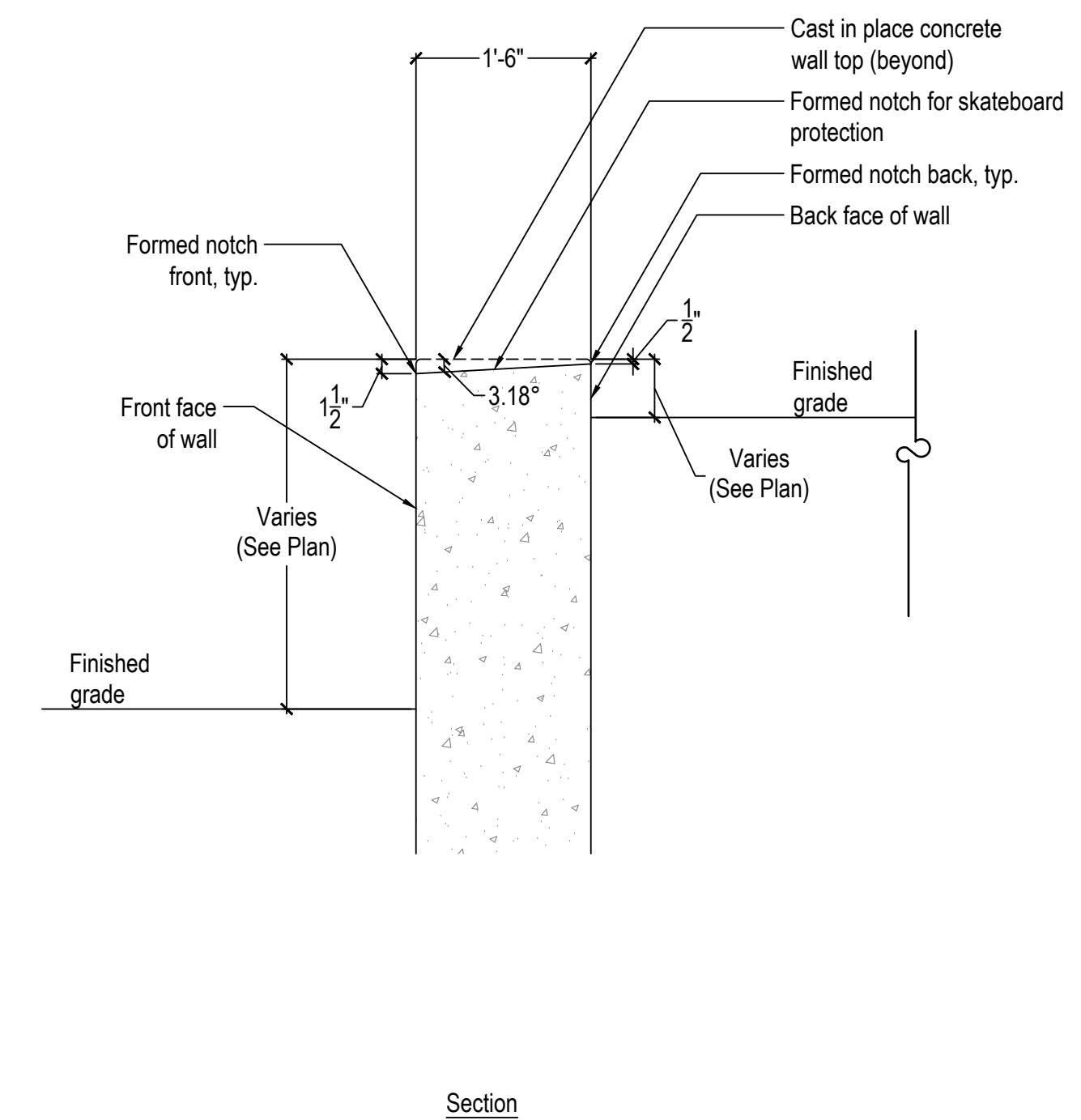
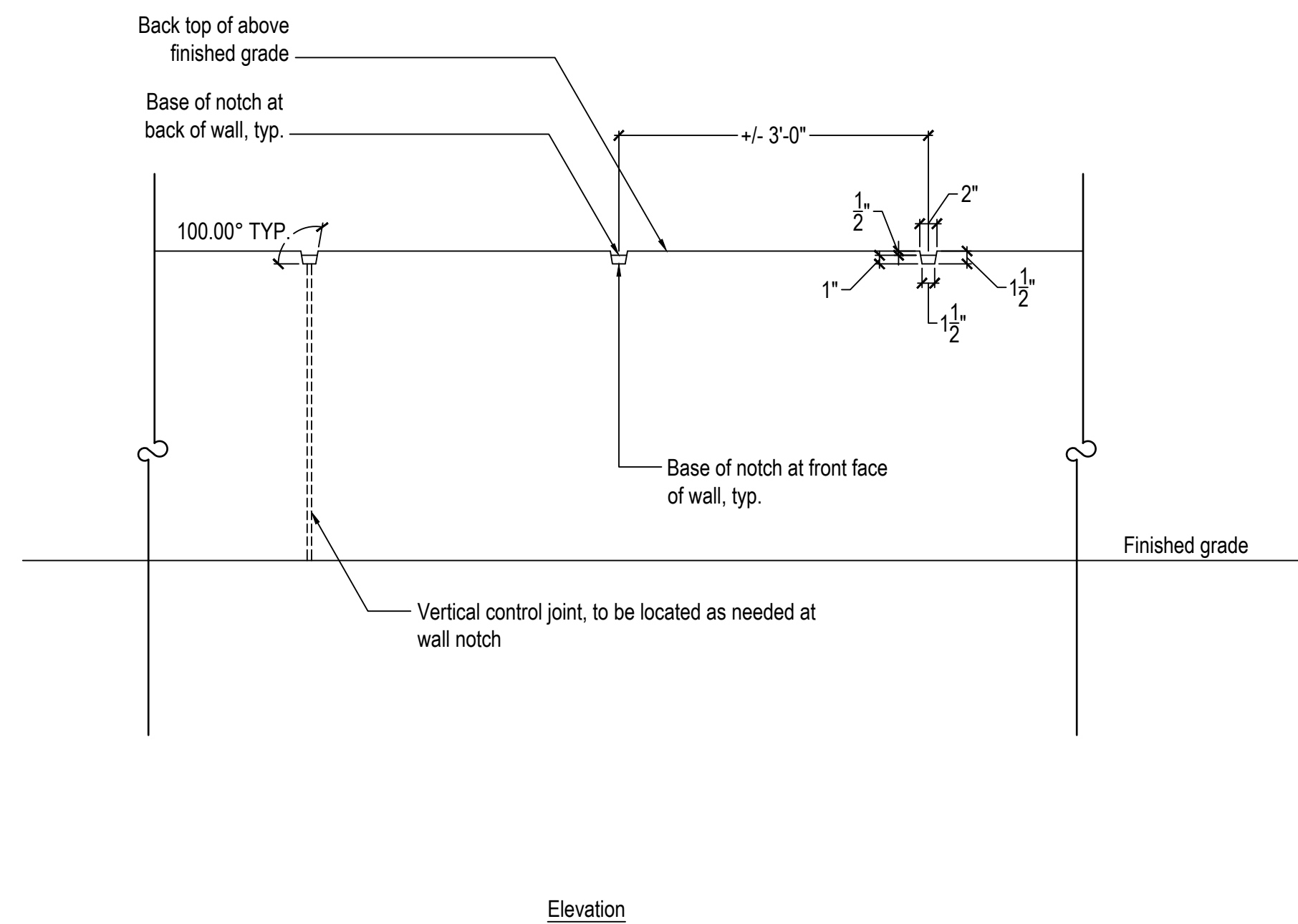
1 Cast-in-place Concrete Site Wall Detail  
Scale: 3/4"=1'-0"



2 Cast-in-place Concrete Site Wall Detail  
Scale: 3/4"=1'-0"



3 Cast-In-Place Concrete Wall Notch  
Scale: 3/4"=1'-0"



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Pittsburgh, PA

Project Number:  
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Drawn by:  
DM | CT  
Checked by:  
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Date:  
April 28, 2023

Revisions:

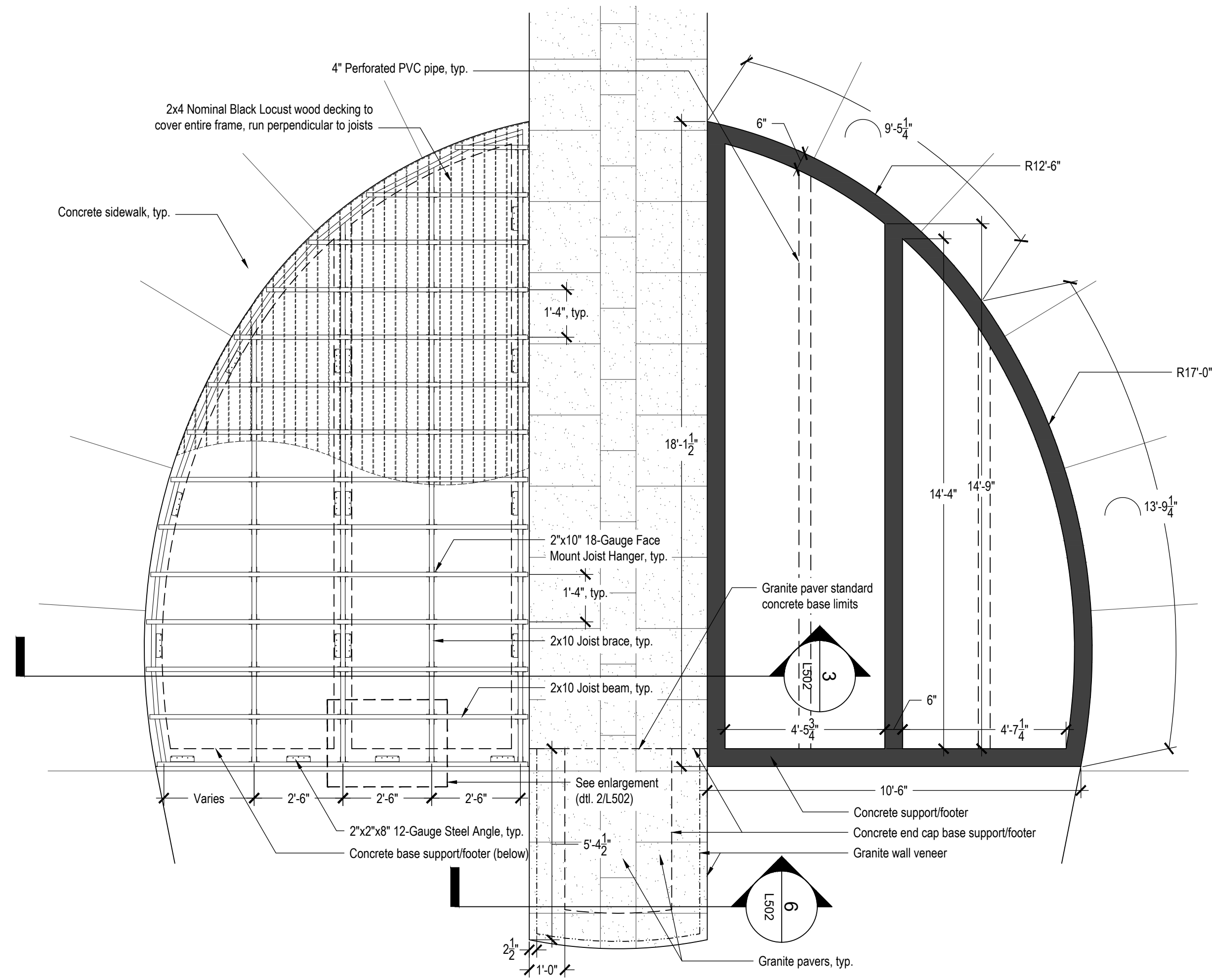
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Sheet Name:  
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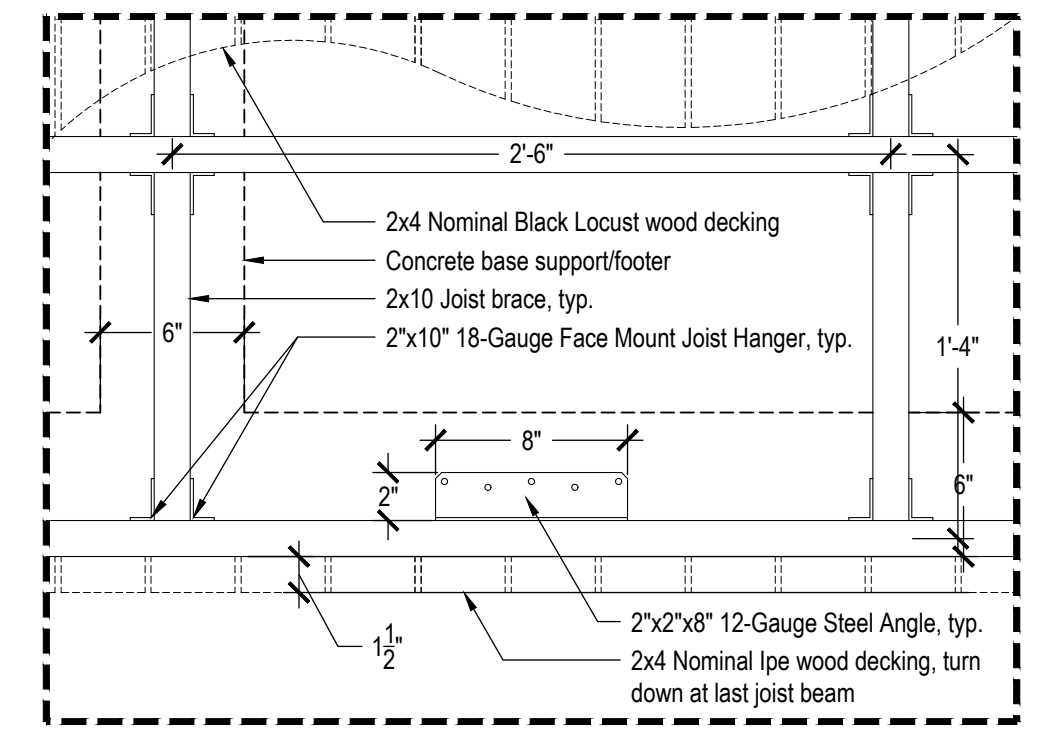
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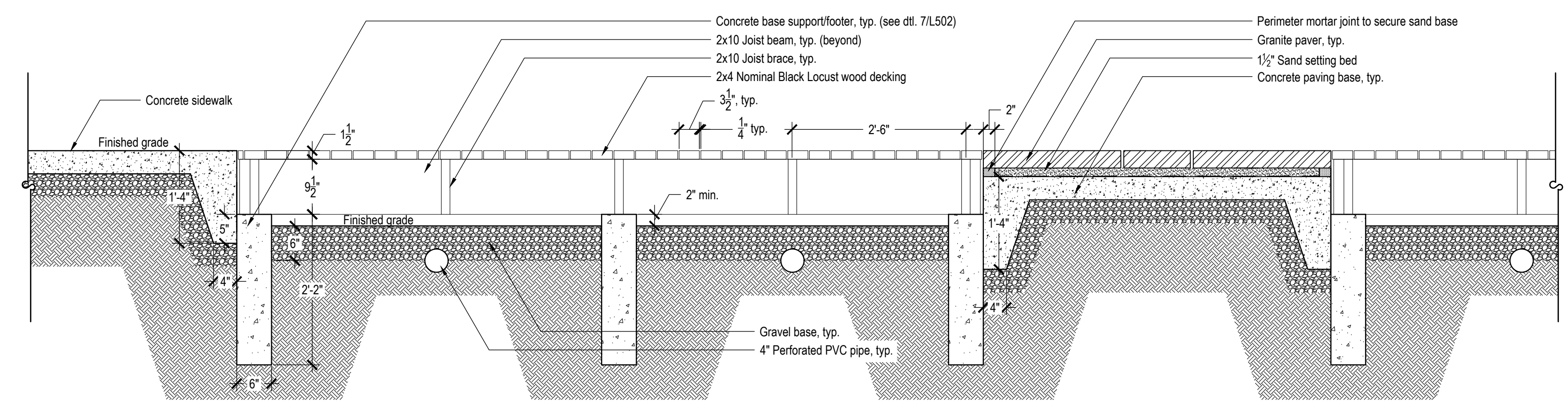
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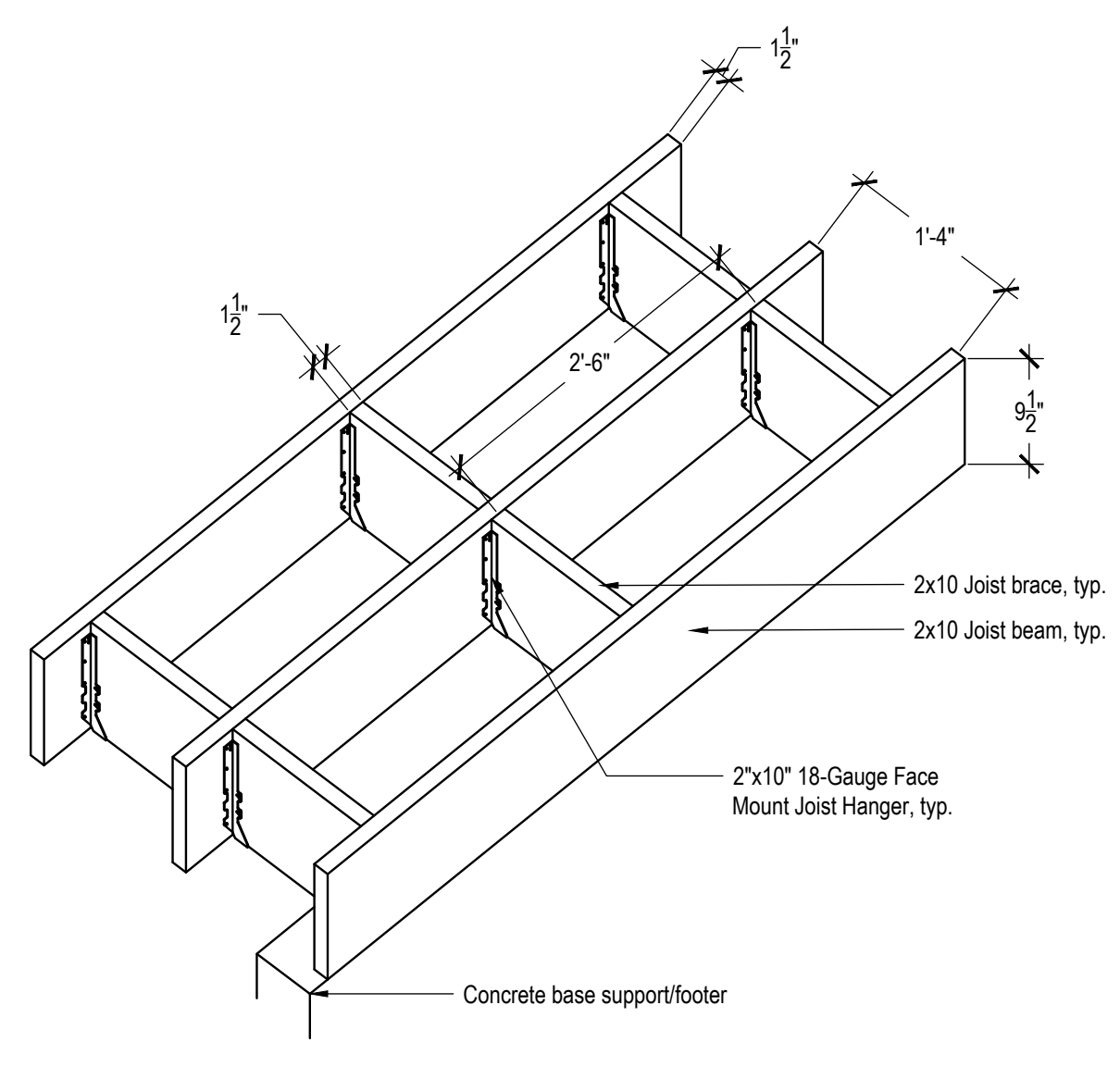
1 Deck | Granite Pier Detailed Plan  
L502 Scale: 1/32"=1'-0"



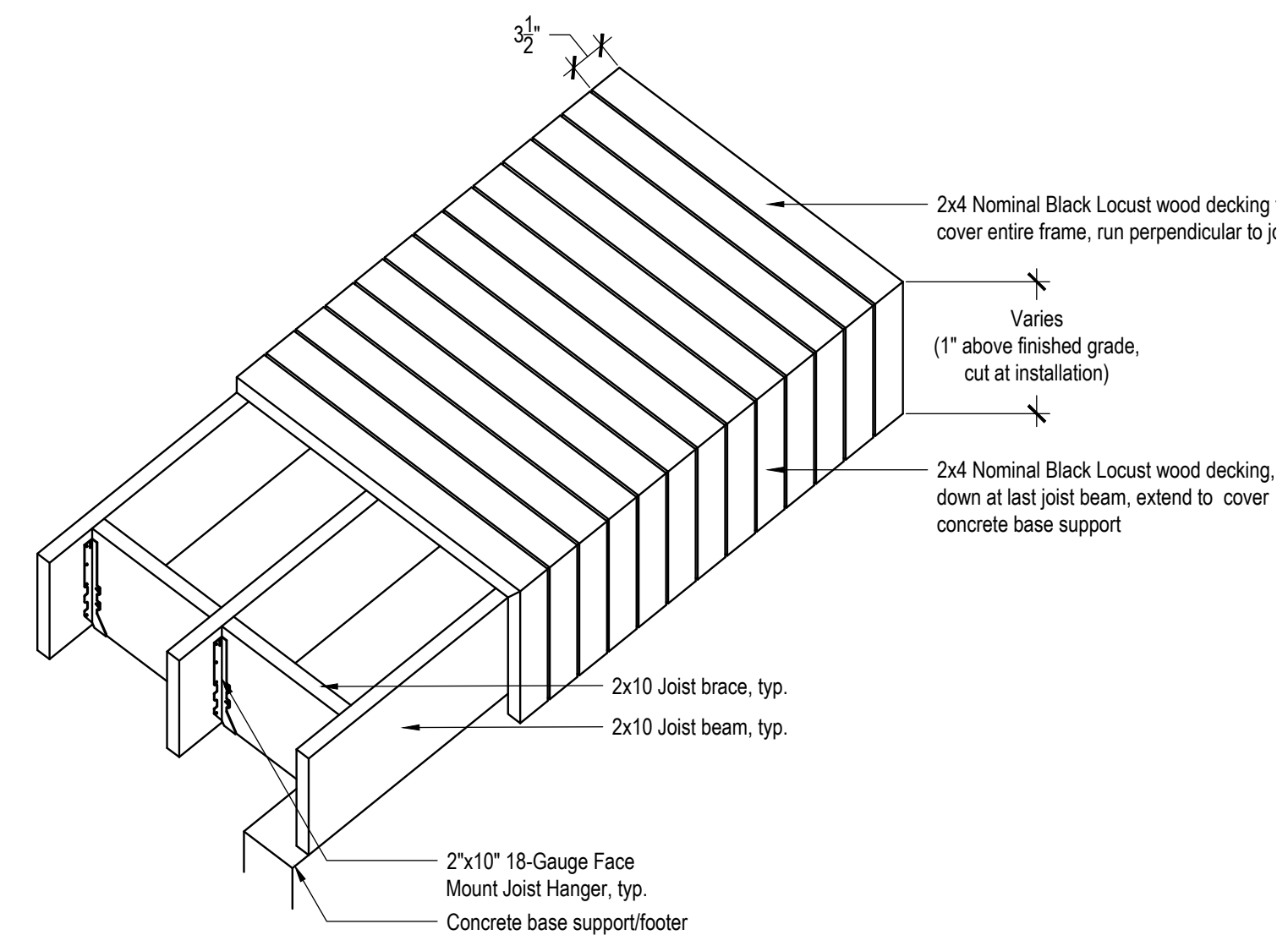
2 Deck Frame Enlarged Plan  
L502 Scale: 1 1/2"=1'-0"



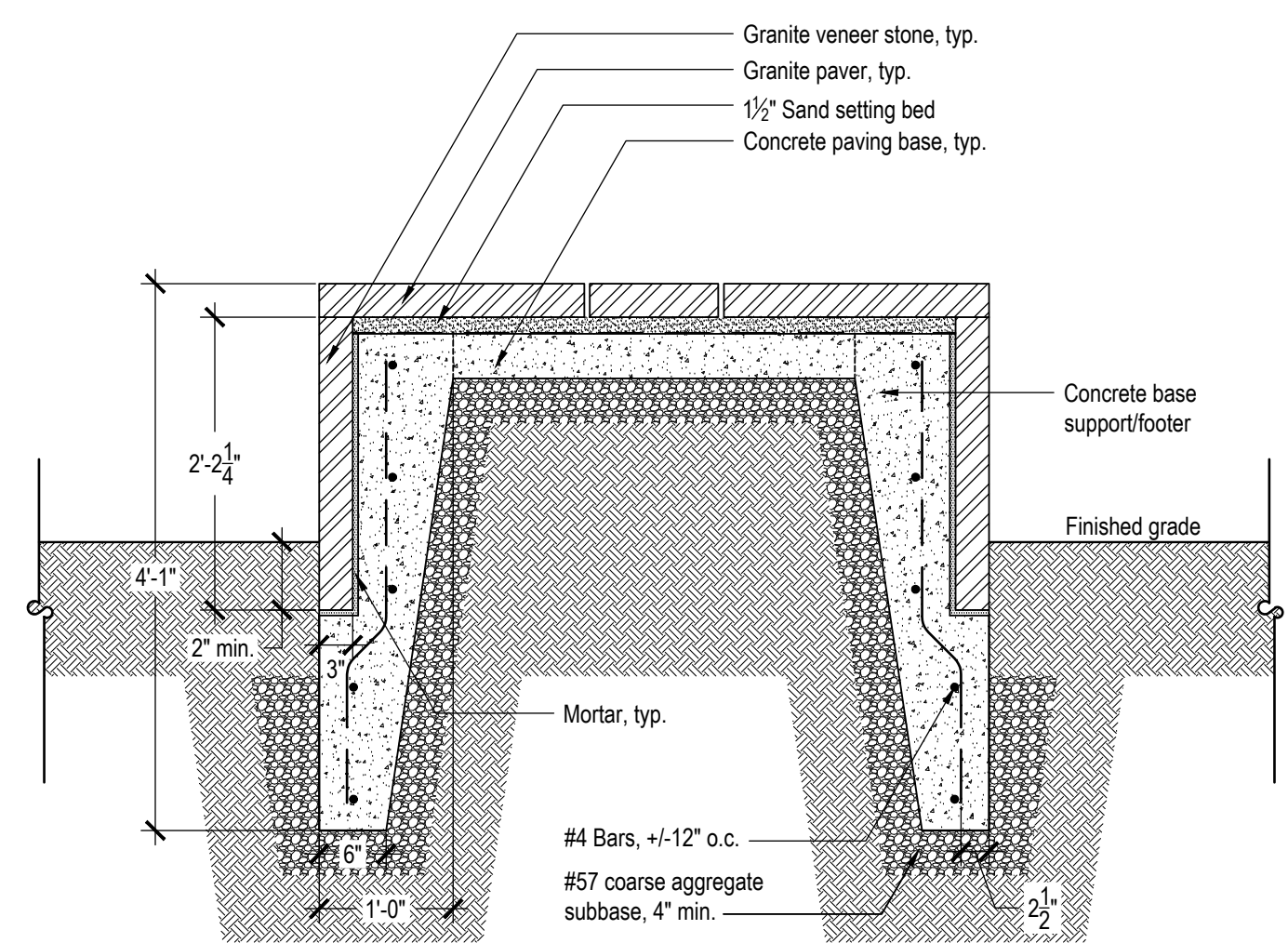
3 Deck | Granite Pier Section Detail  
L502 Scale: 3/4"=1'-0"



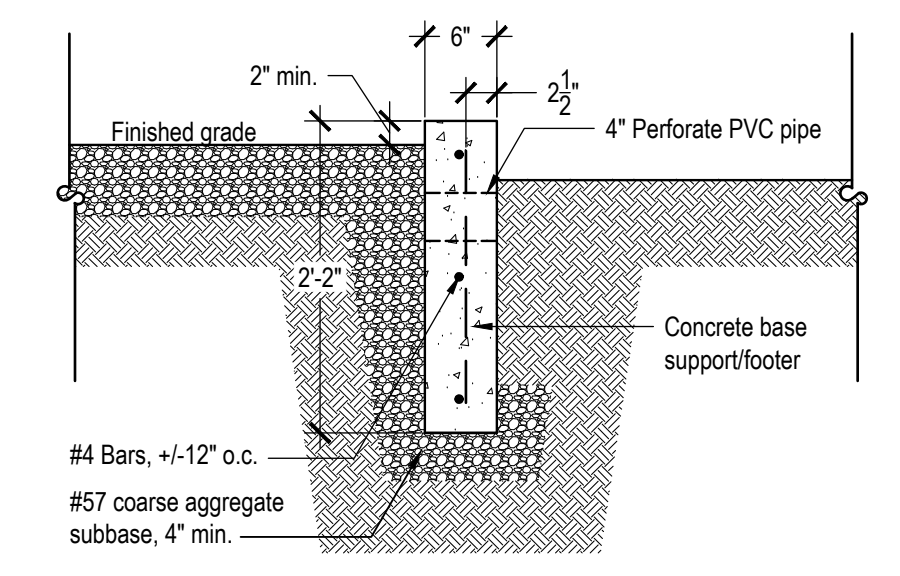
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L502 Scale: 3/4"=1'-0"



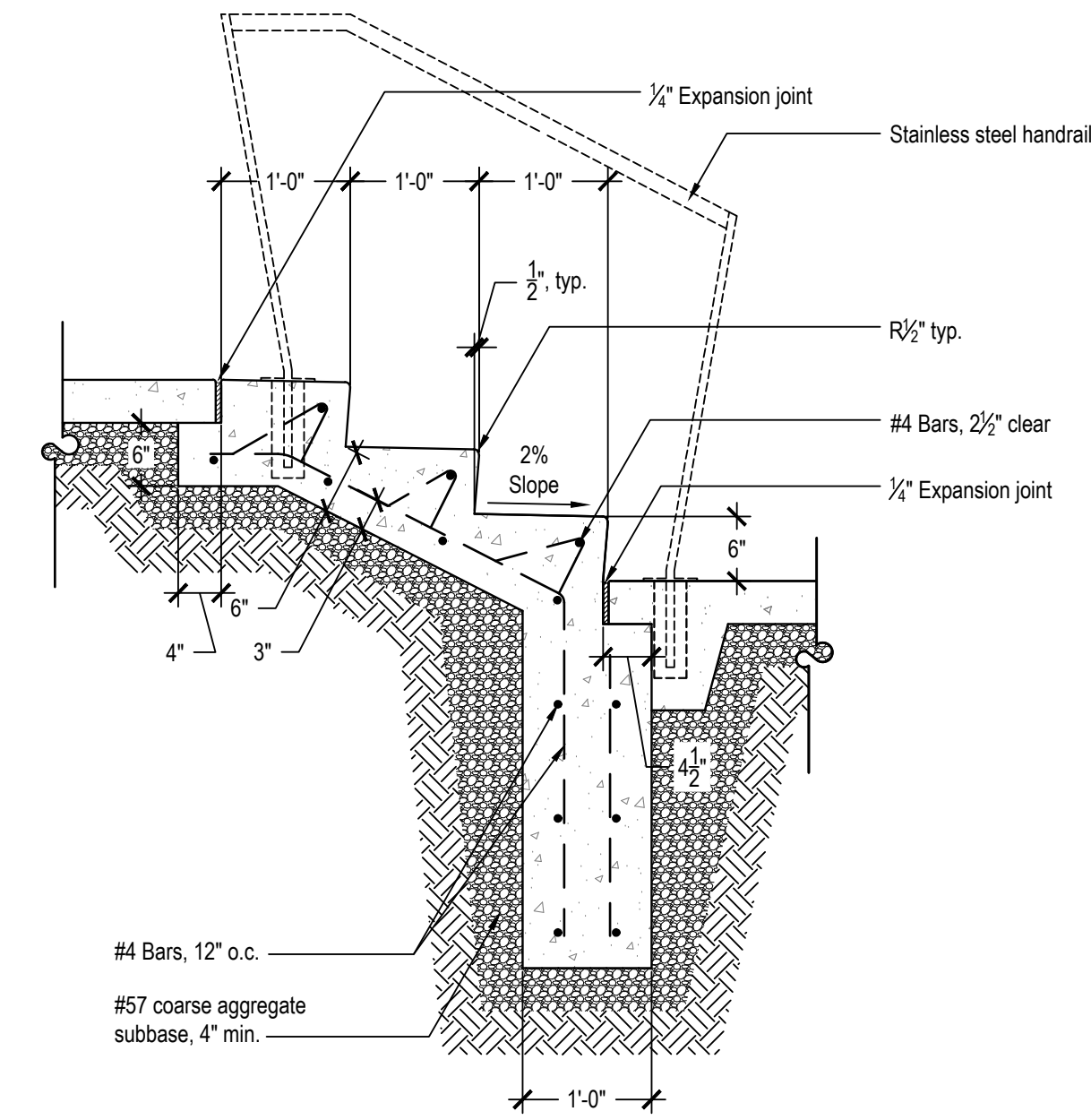
5 Deck Frame/Cover Detail  
L502 Scale: 3/4"=1'-0"



6 Granite Paver Pier Detail  
L502 Scale: 3/4"=1'-0"

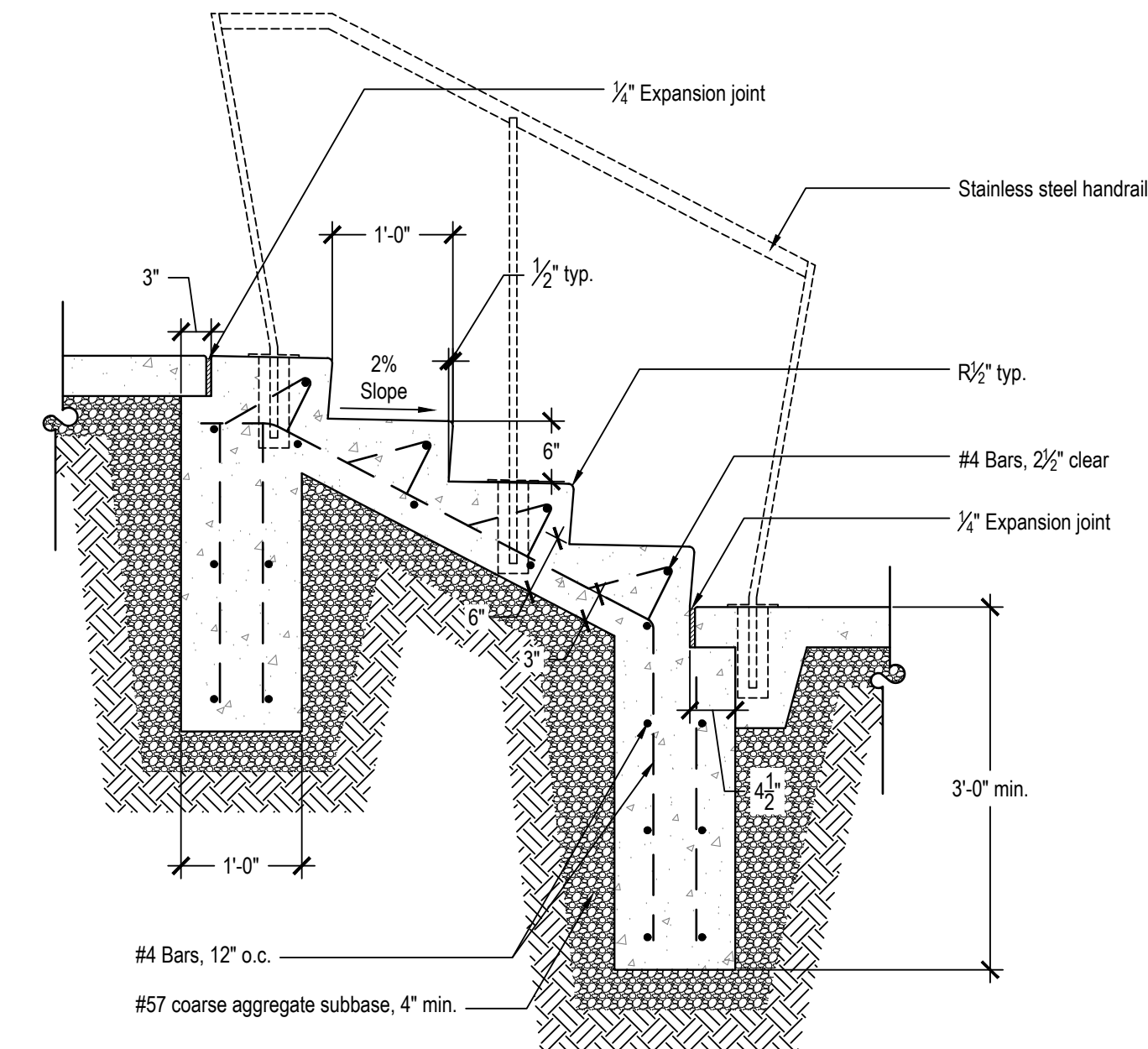


7 Concrete Base Support/Footer Detail  
L502 Scale: 3/4"=1'-0"



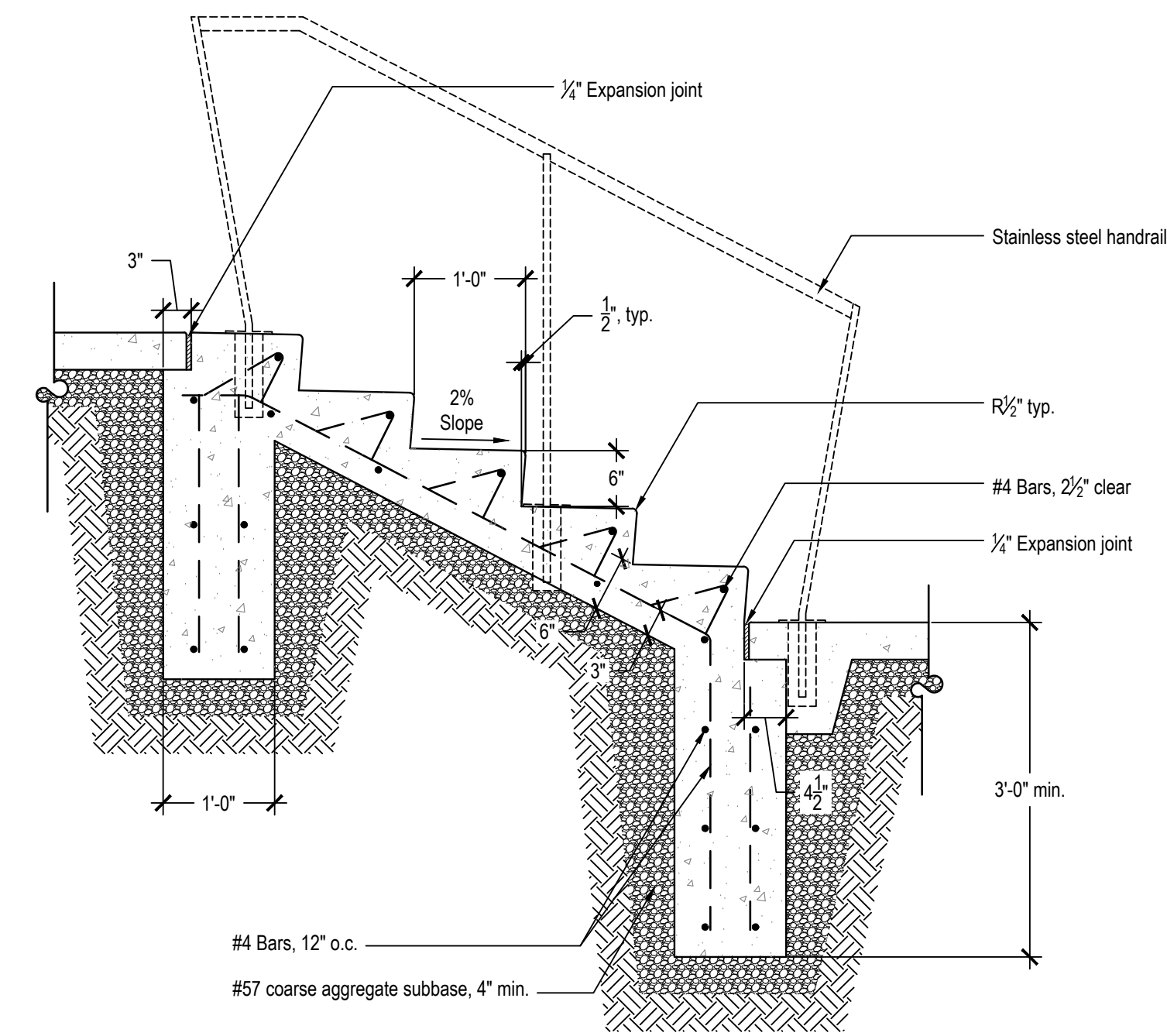
1  
L503  
1  
L503

Poured In Place Concrete Stairs - Broom Finish - Three Steps  
Scale: 3/4"=1'-0"



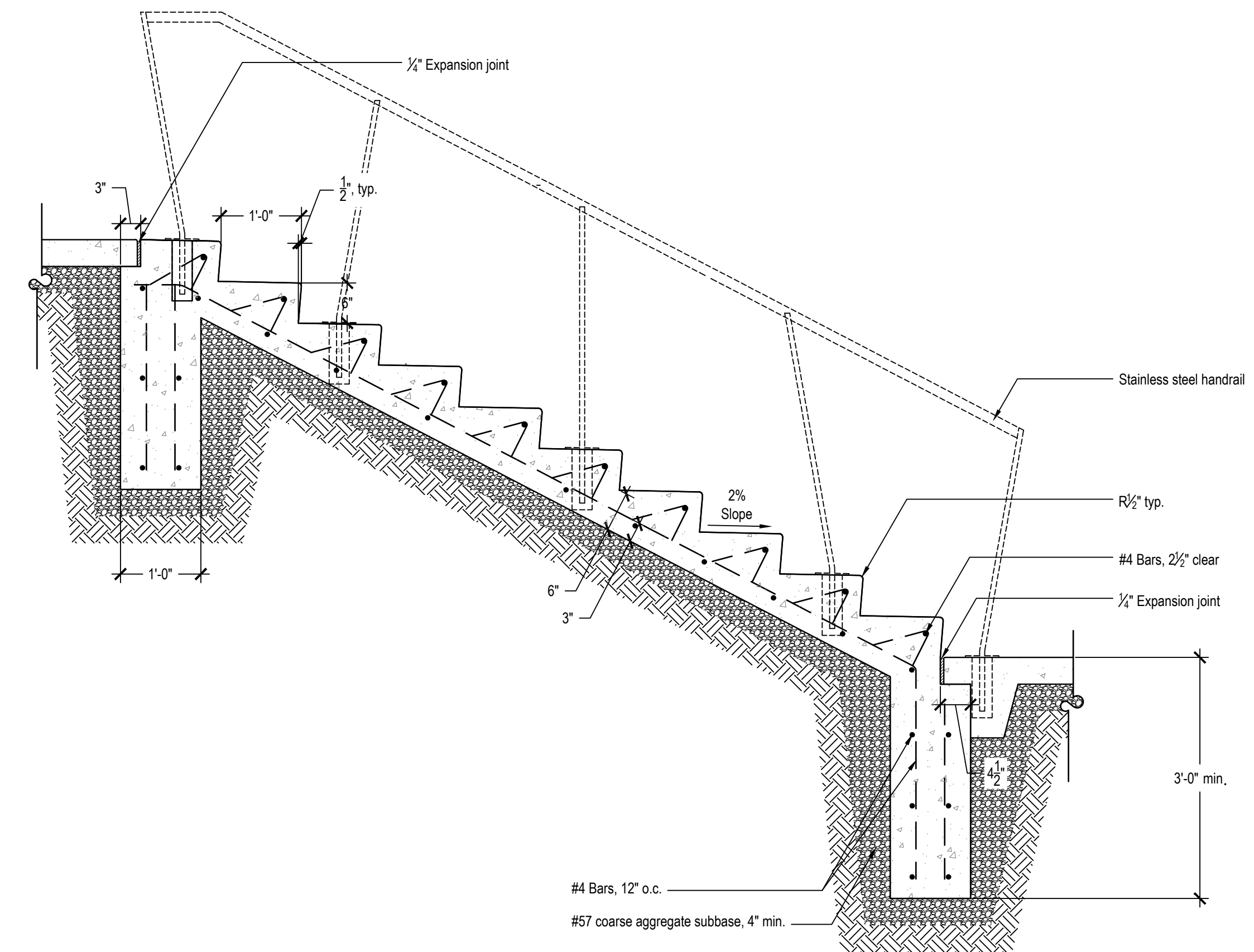
2  
L503  
2  
L503

Poured In Place Concrete Stairs - Broom Finish - Four Steps  
Scale: 3/4"=1'-0"



3  
L503  
3  
L503

Poured In Place Concrete Stairs - Broom Finish - Five Steps  
Scale: 3/4"=1'-0"



4  
L503  
4  
L503

Poured In Place Concrete Stairs - Broom Finish - Ten Steps  
Scale: 3/4"=1'-0"



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Revisions:

Scale:  
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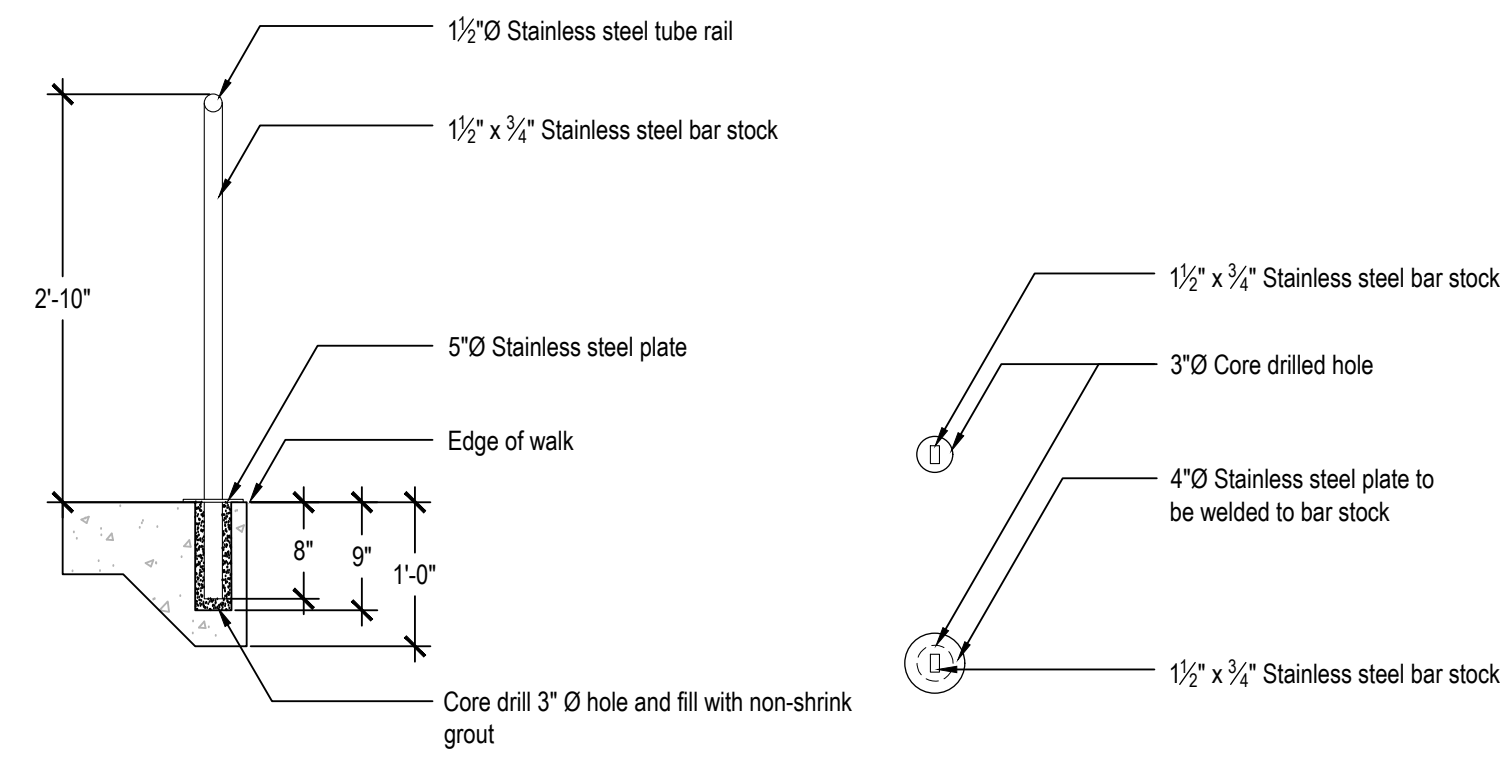
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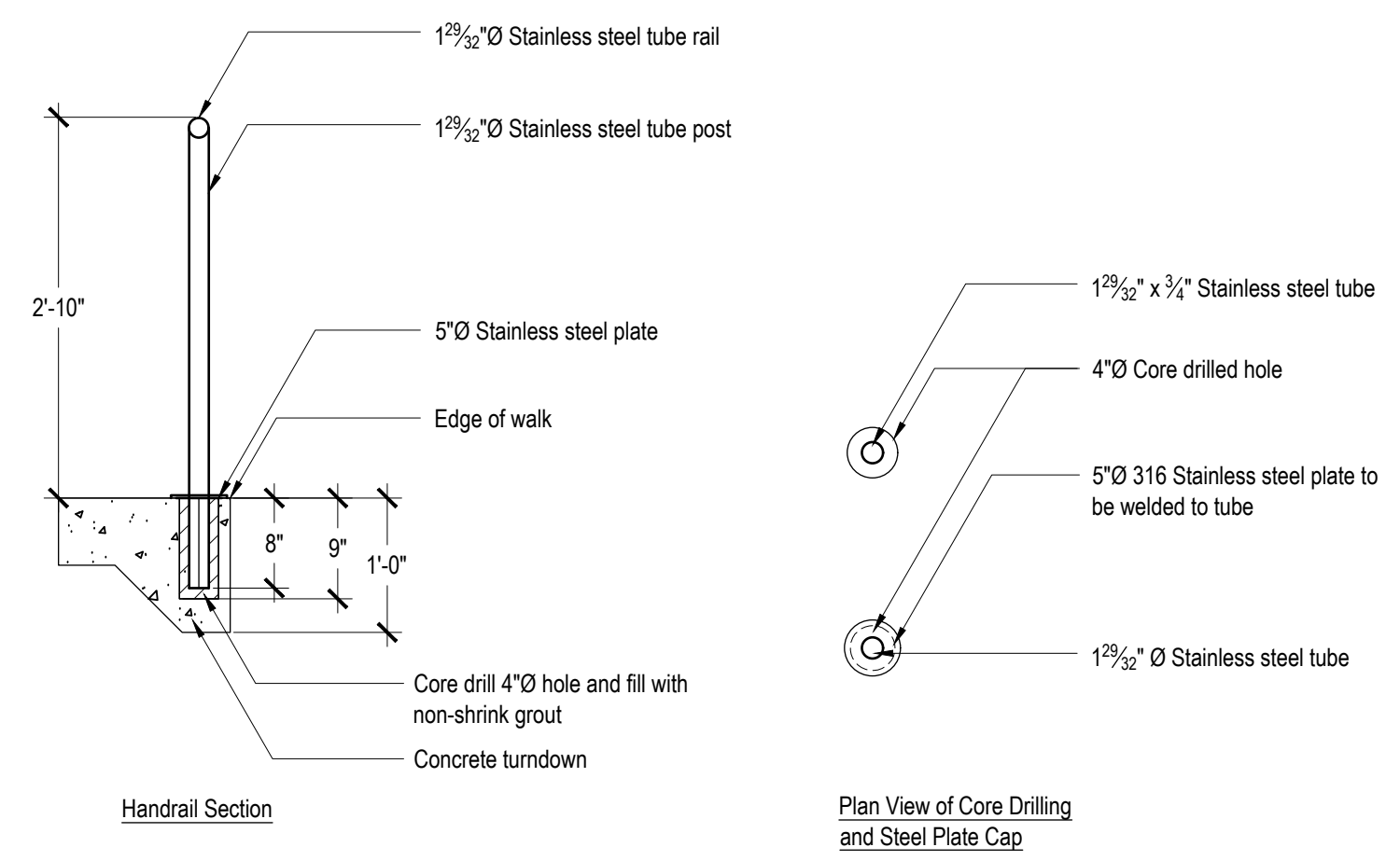
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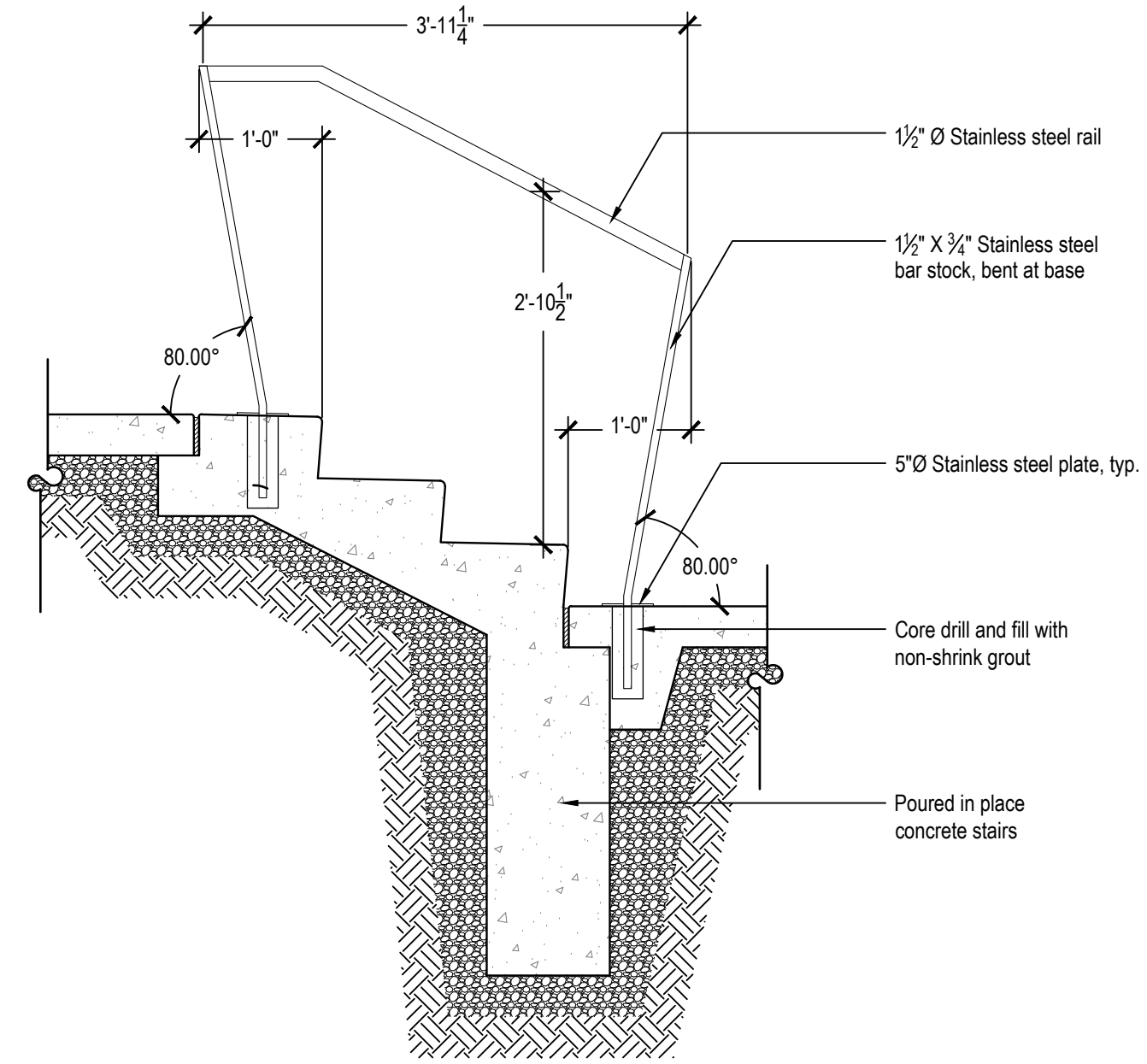




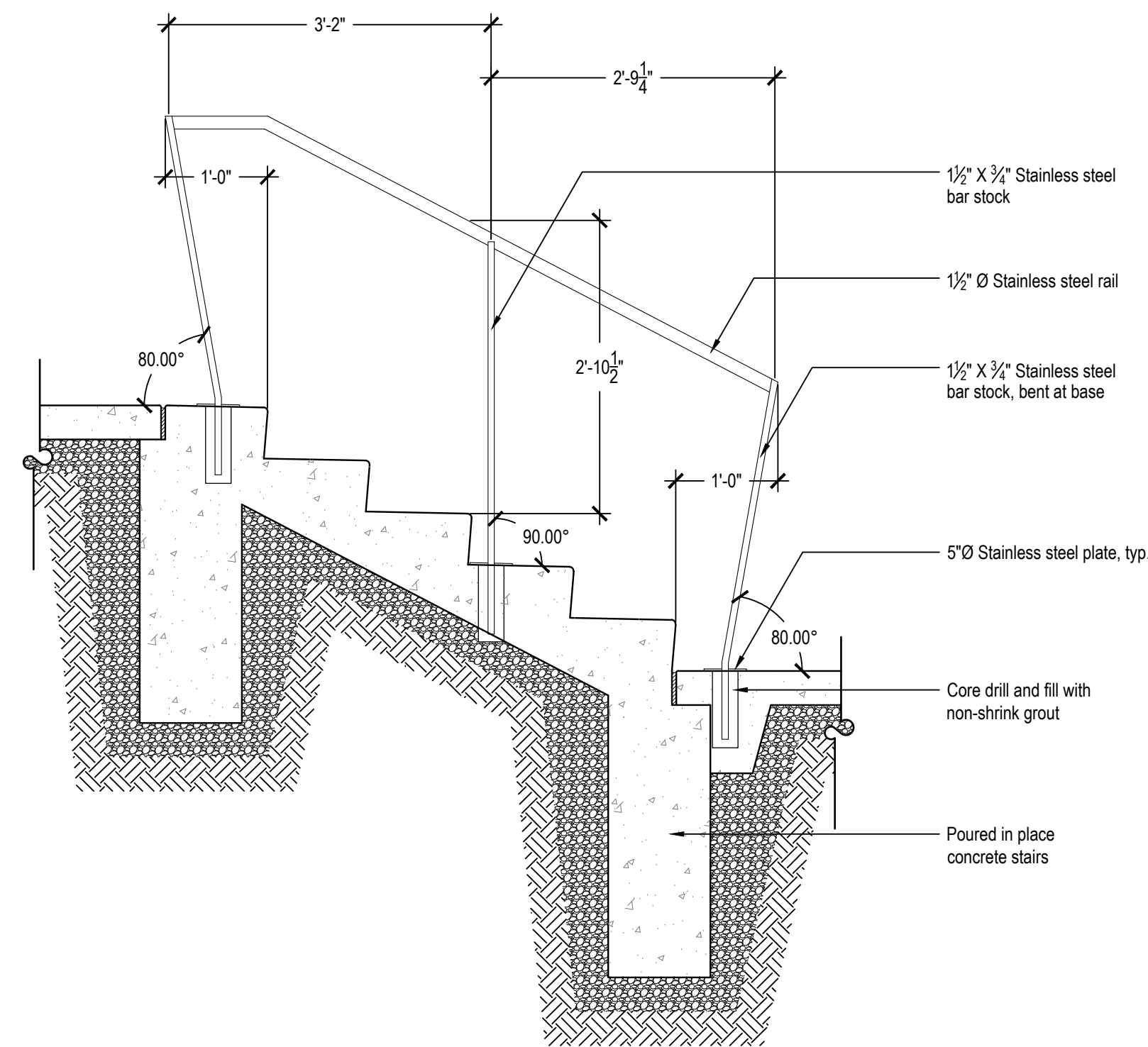
**1** Stainless Steel Stair Handrail  
Scale: 3/4"=1'-0"



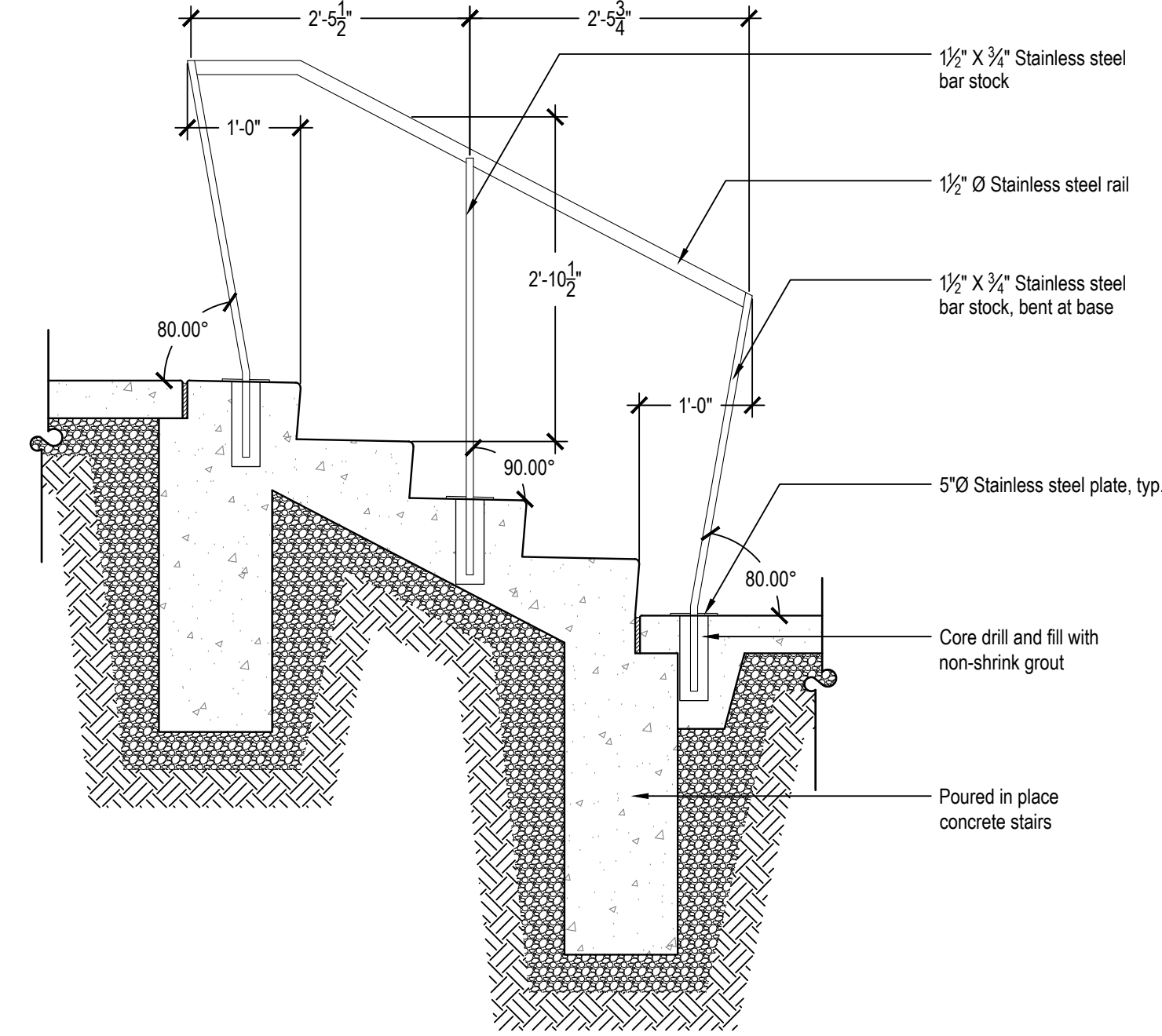
**2** Illuminated Stair Handrail  
Scale: 3/4"=1'-0"



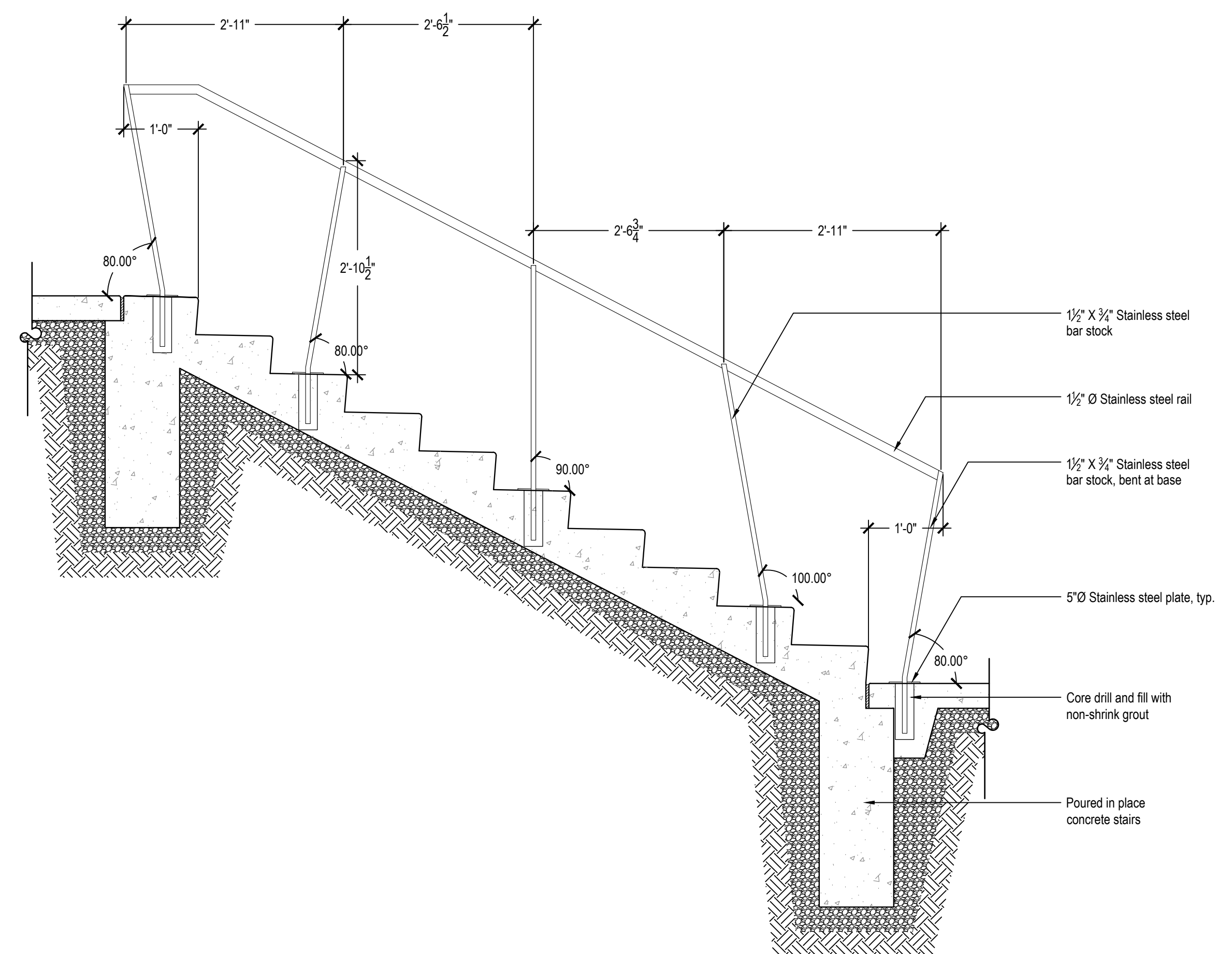
**3** Stainless Steel Handrail - Three Steps  
Scale: 3/4"=1'-0"



**5** Stainless Steel Handrail - Five Steps  
Scale: 3/4"=1'-0"



**4** Stainless Steel Handrail - Four Steps  
Scale: 3/4"=1'-0"



**6** Stainless Steel Handrail - Ten Steps  
Scale: 3/4"=1'-0"

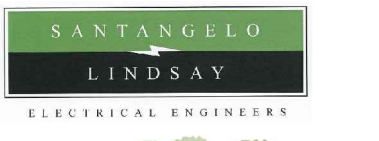


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Revisions:

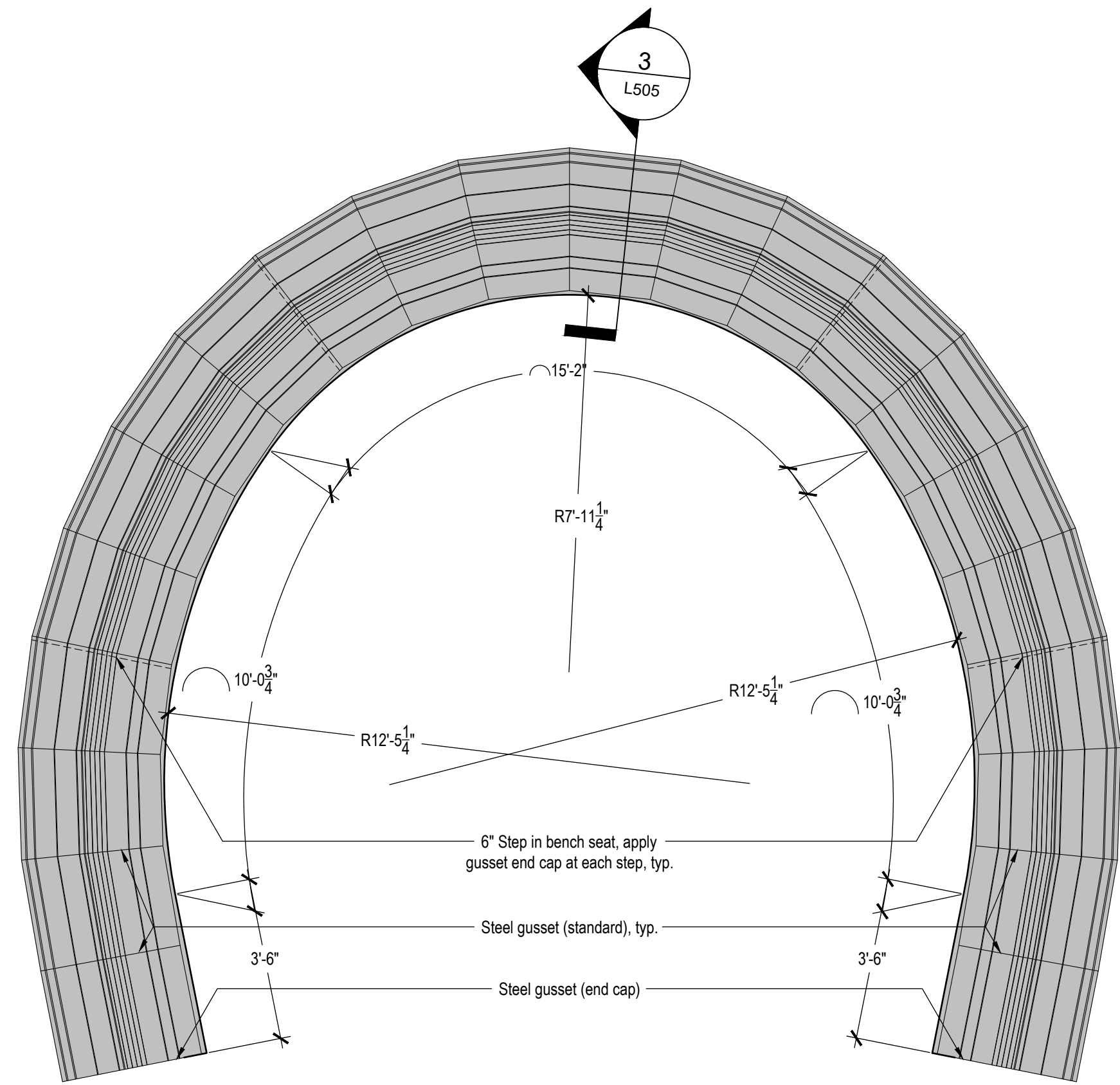
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Sheet Name:  
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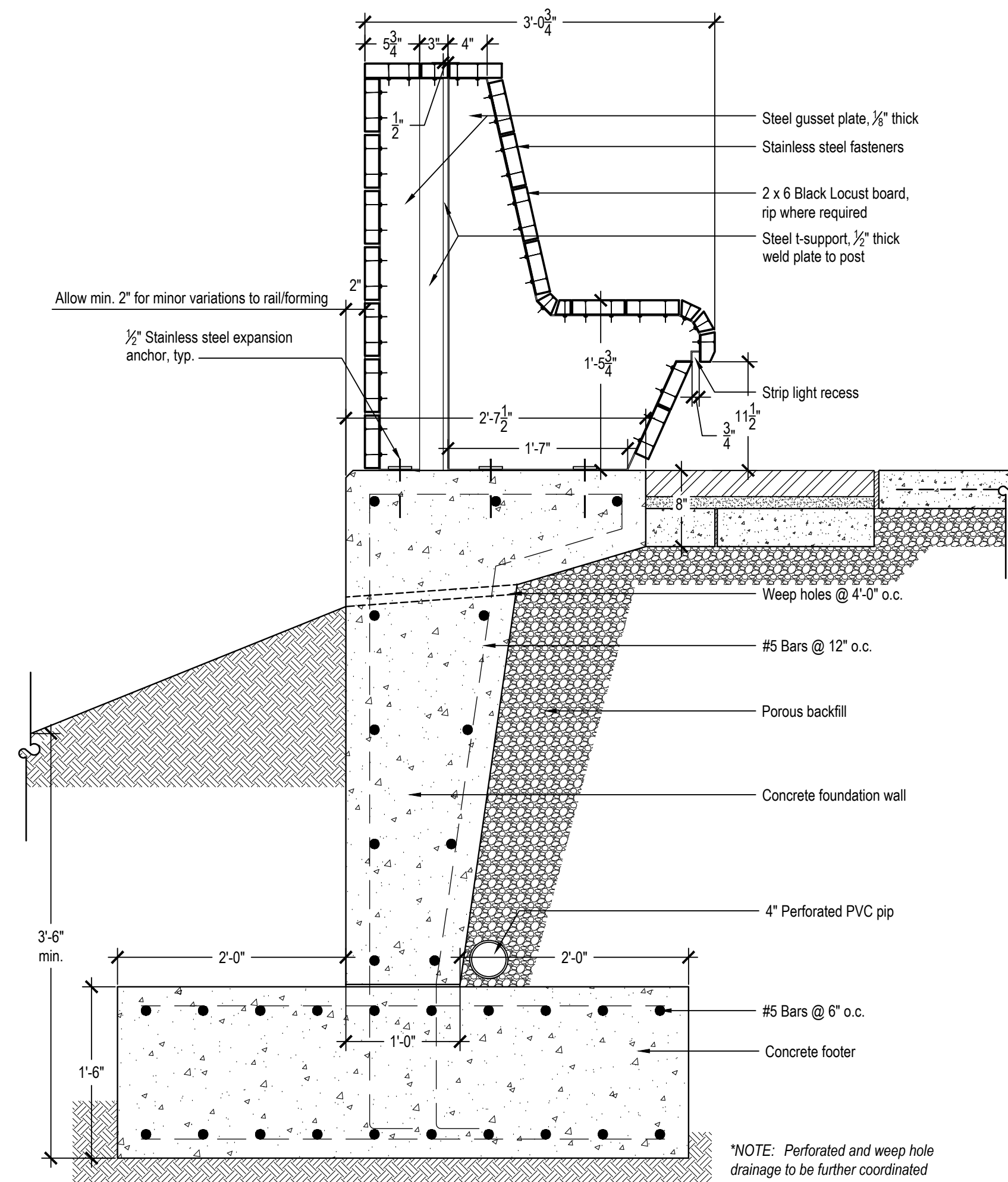
Submission:  
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Sheet Number:  
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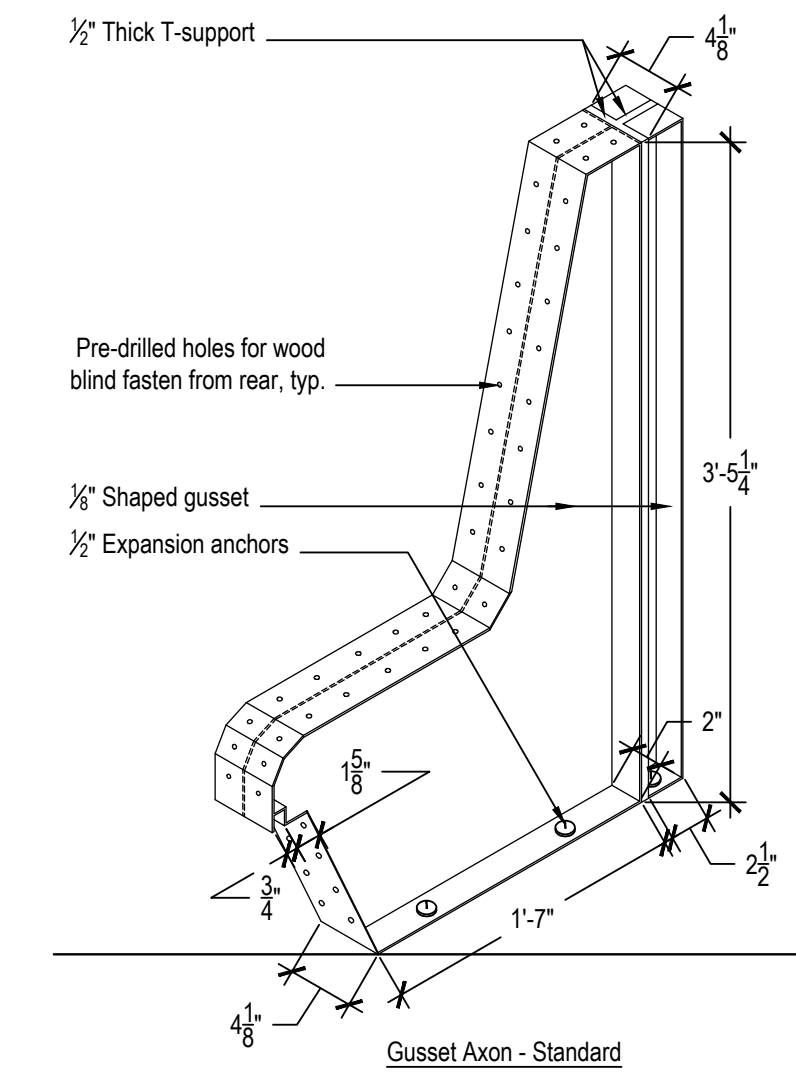
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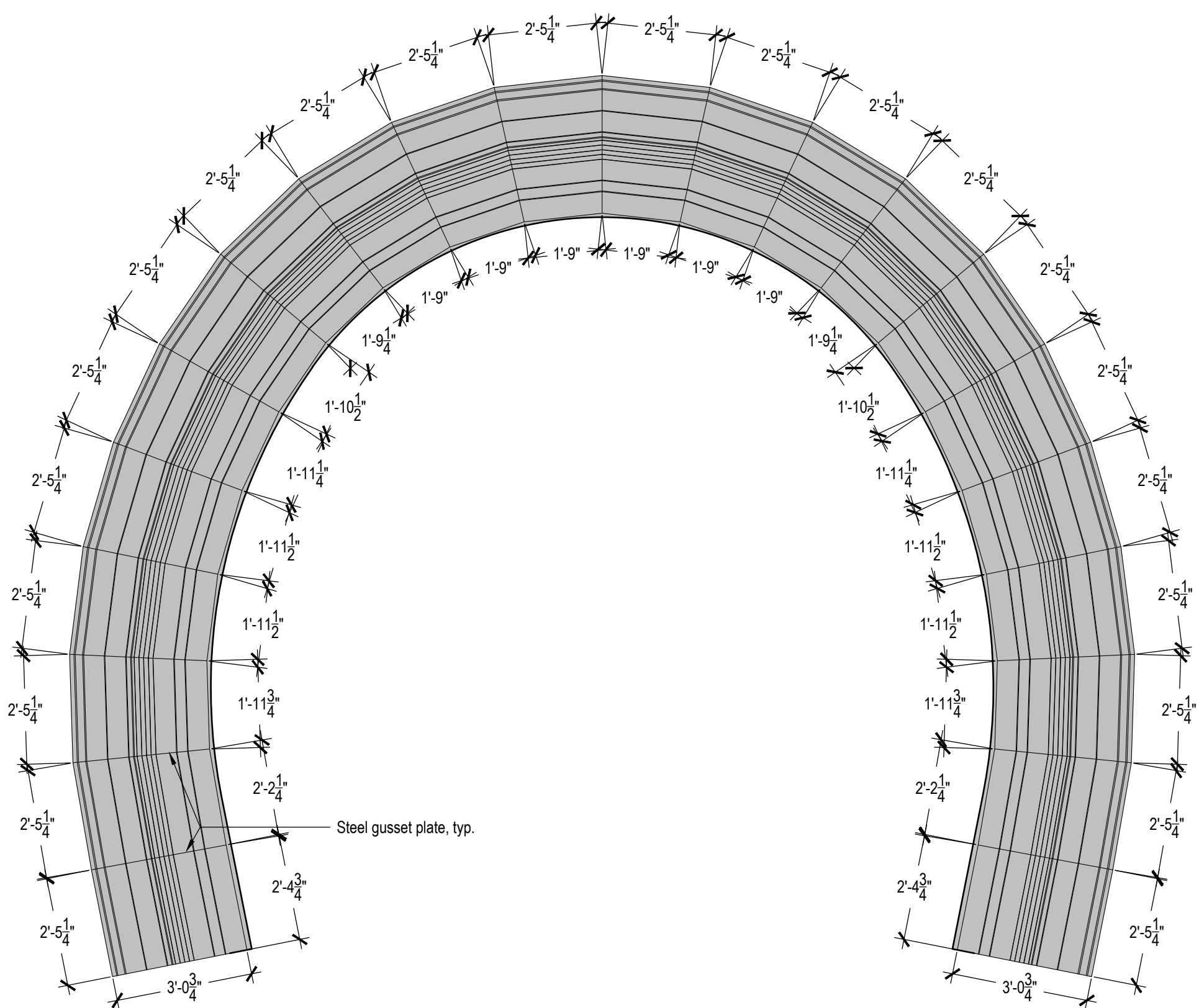
1 Bench - Plan Layout  
Scale: 1/2"=1'-0"



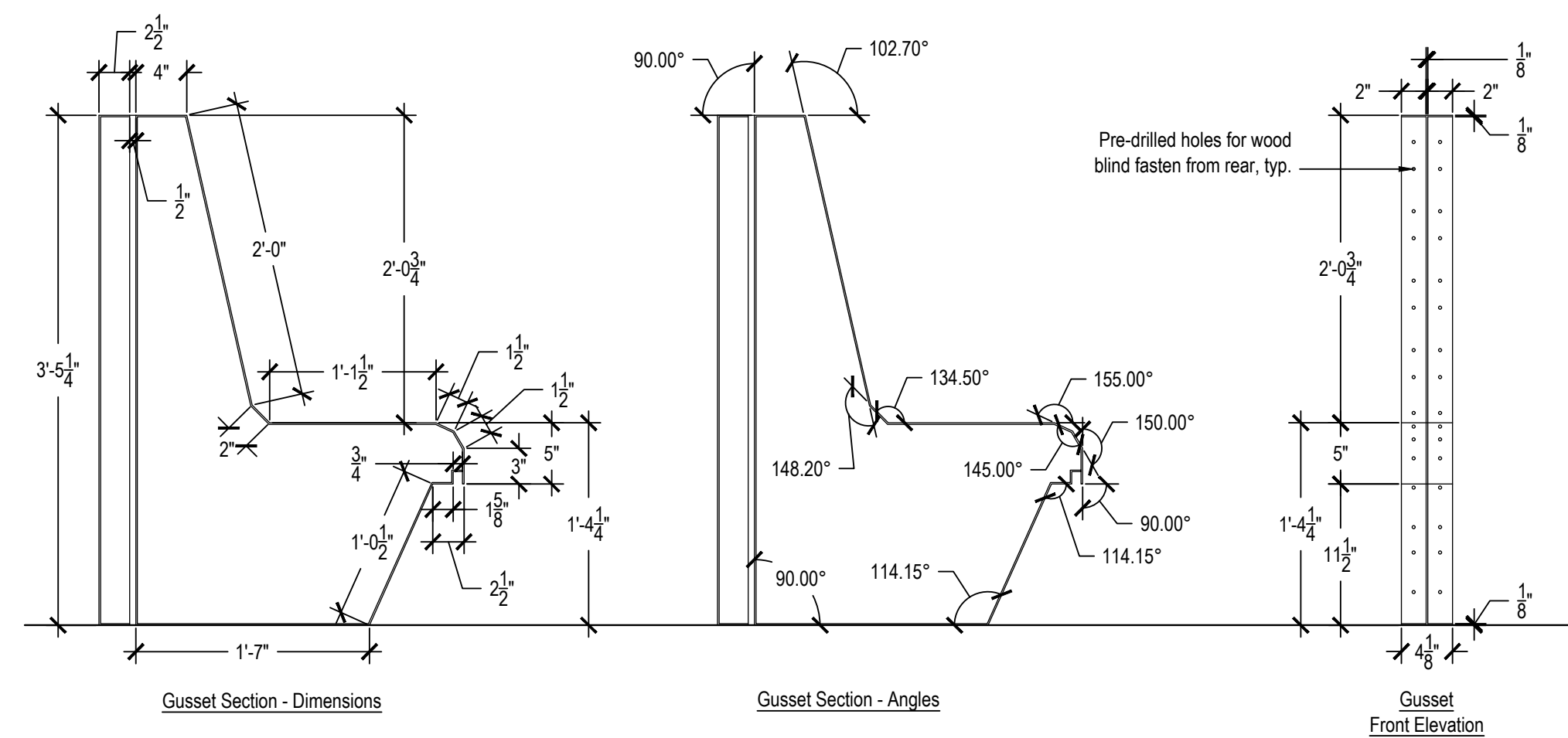
3 Bench Detail  
Scale: 1"=1'-0"



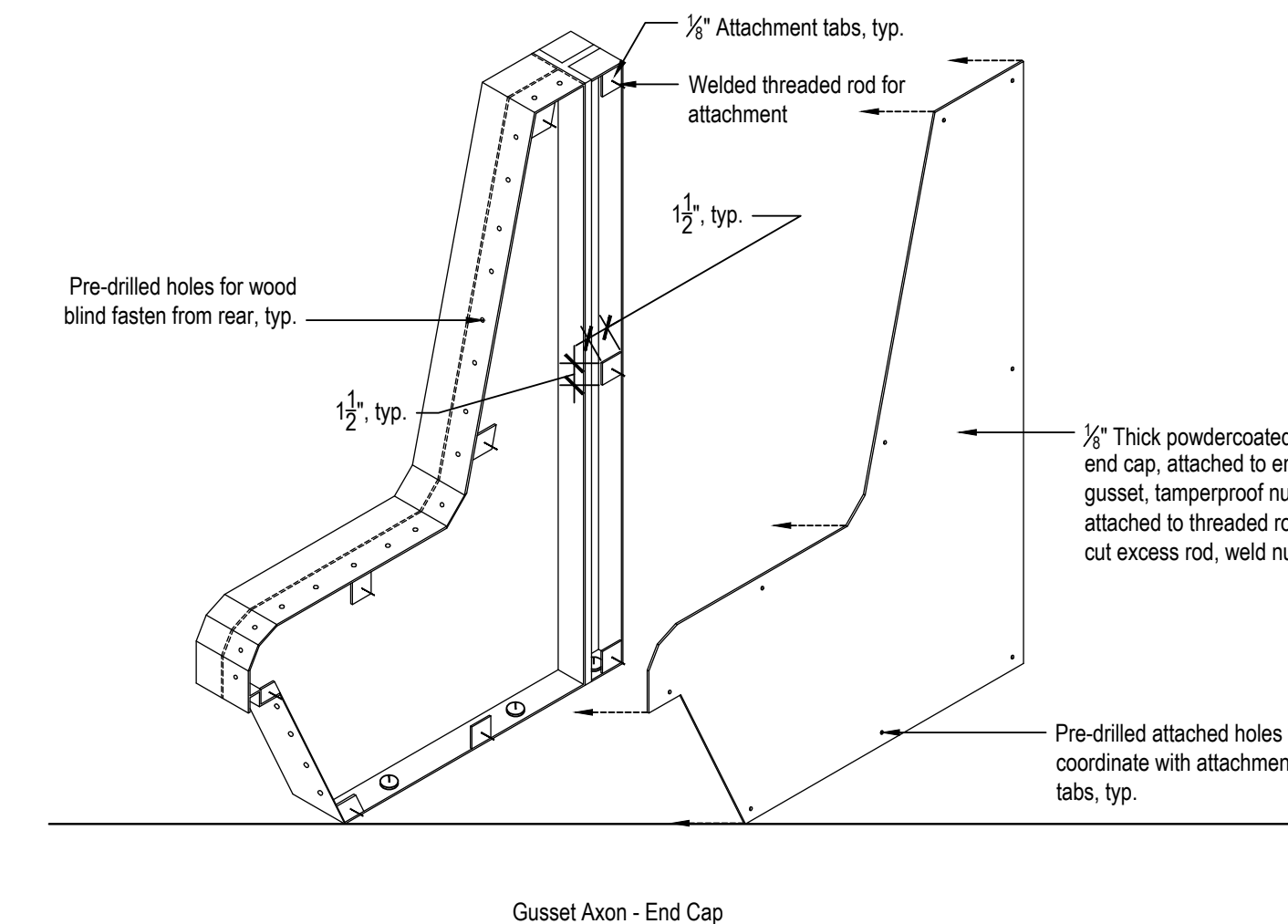
Gusset Axon - Standard



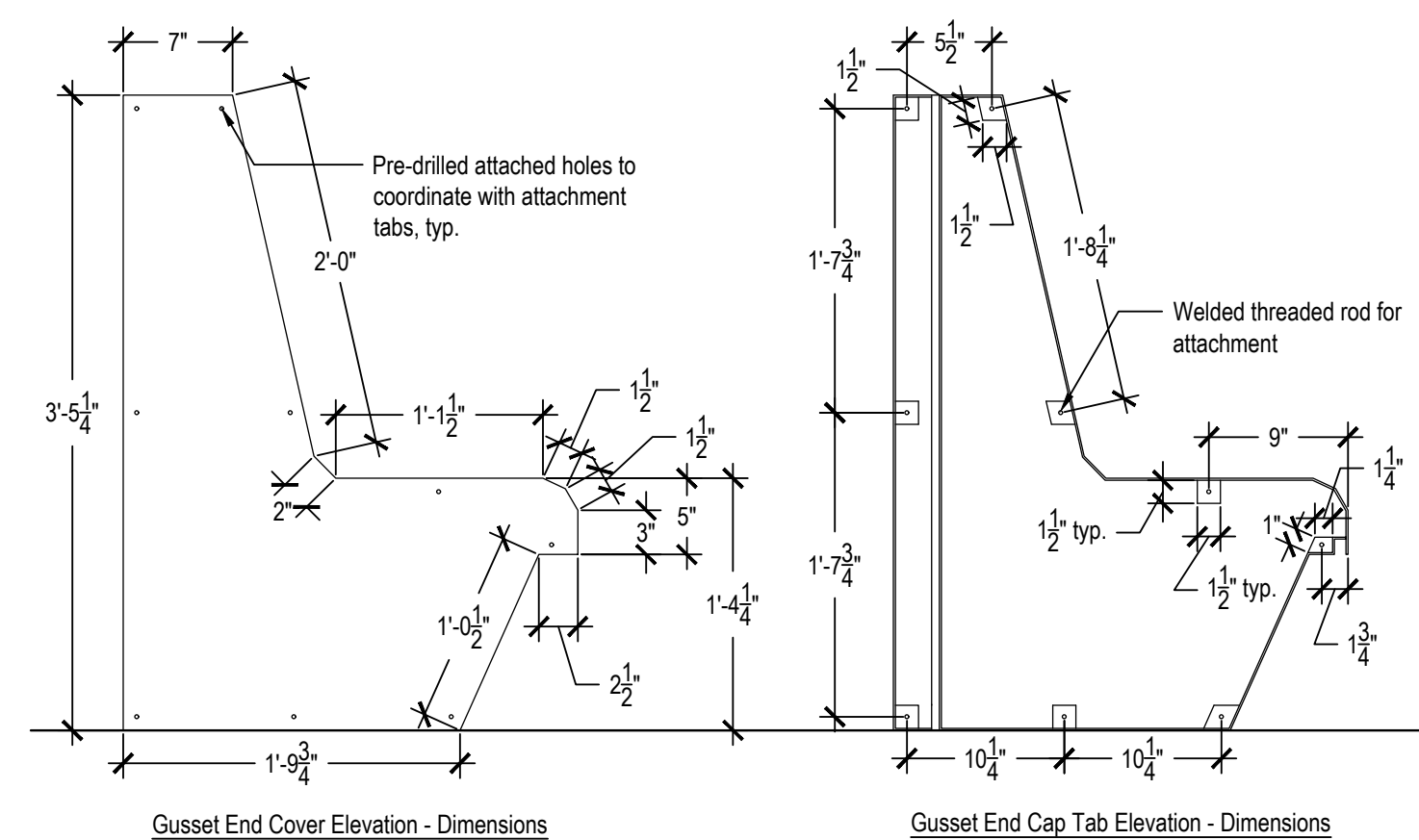
2 Bench - Plan Layout  
Scale: 1/32"=1'-0"



4 Gusset Detail  
Scale: 1"=1'-0"

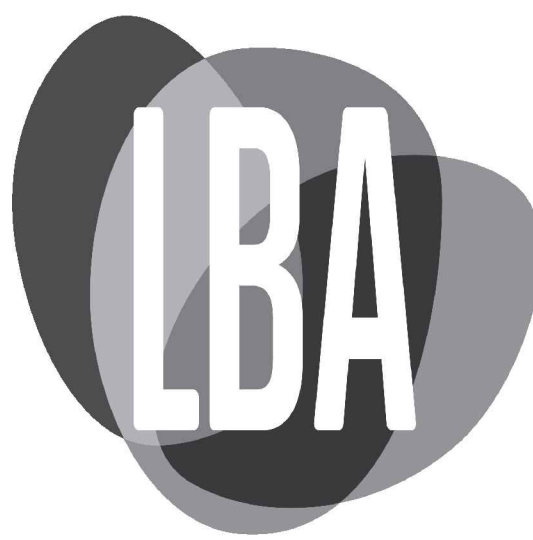


Gusset Axon - End Cap



5 Gusset Detail  
Scale: 1"=1'-0"

6 Gusset Detail  
Scale: 1"=1'-0"



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Scale:  
as noted

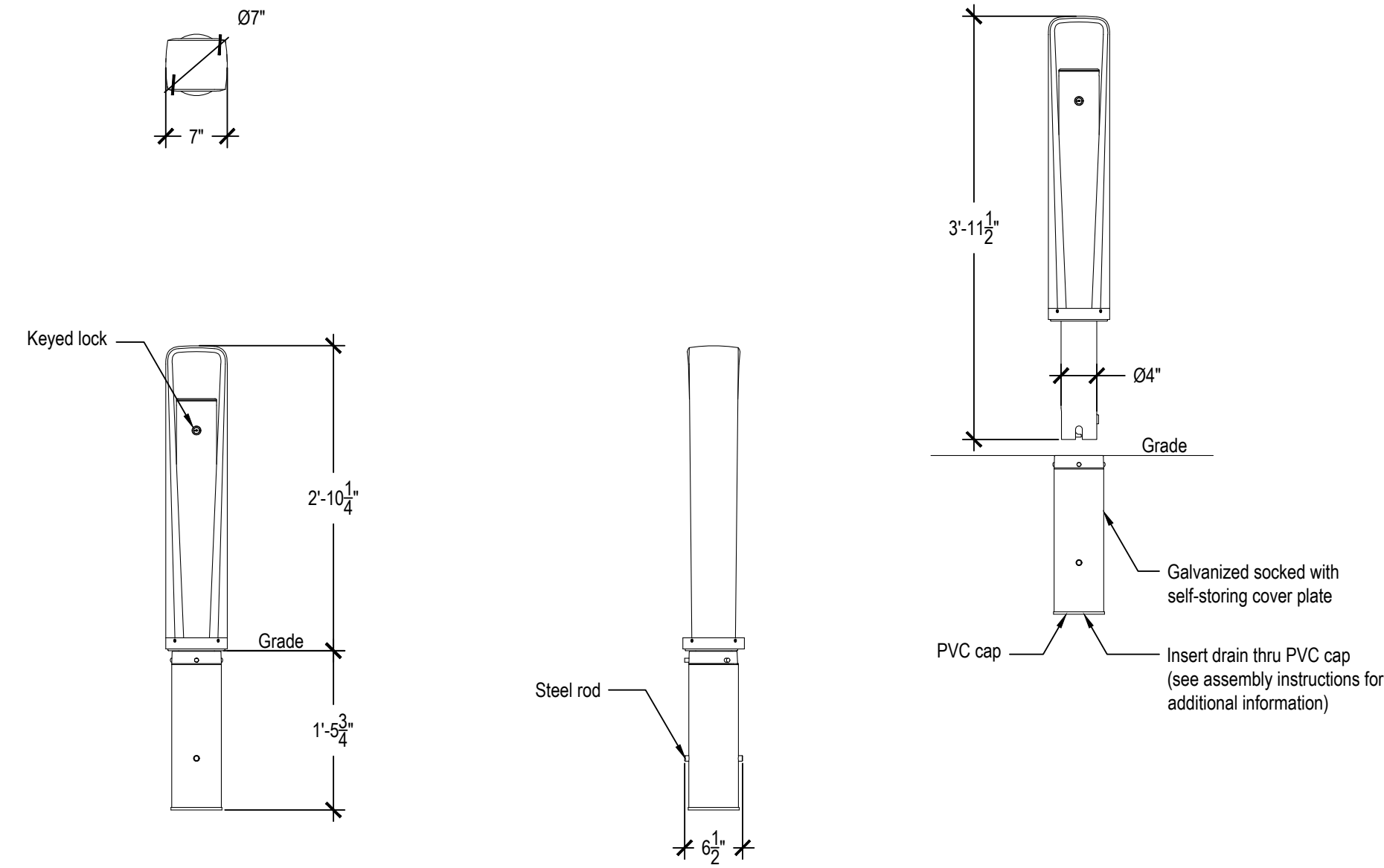
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Site Details

Submission:  
100% Construction Documents

Sheet Number:

L505

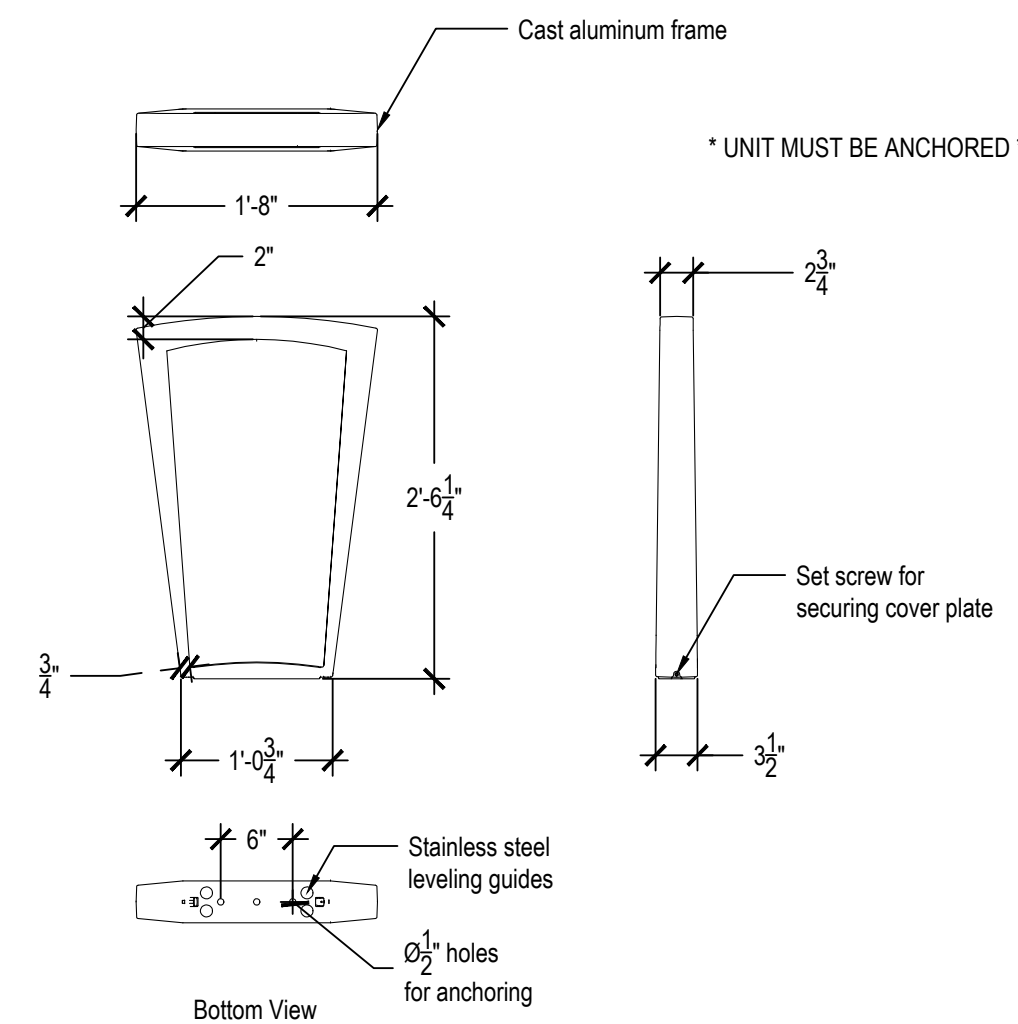
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Drawing: SP278-05  
Dimensions are in inches  
U.S. Patent No.: D608,913

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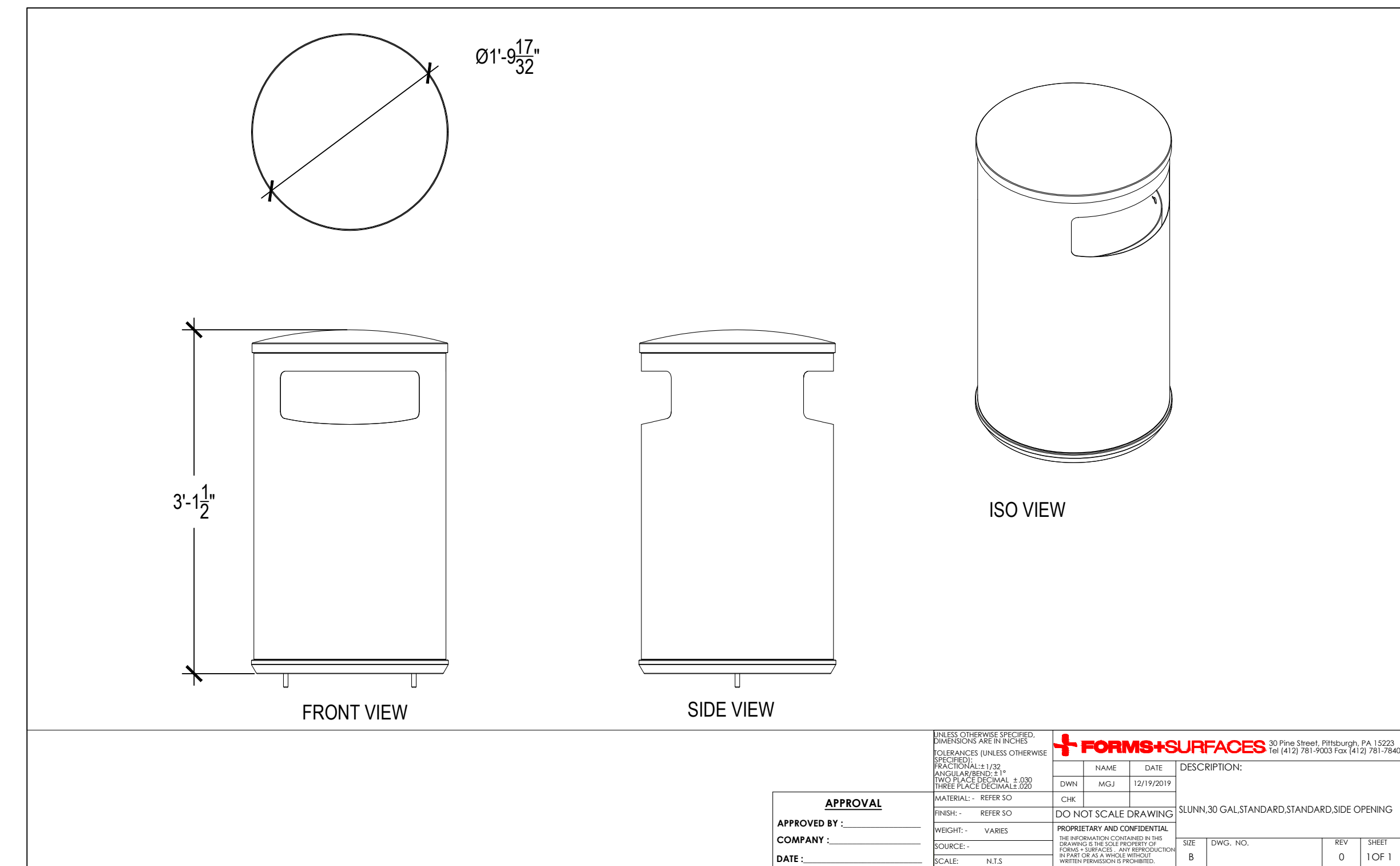
1 Removable Bollard - Landscape Forms | Stop™  
L506 Scale: 3/4"=1'-0"



Drawing: SP278-05  
Dimensions are in inches  
U.S. Patent No.: D608,913

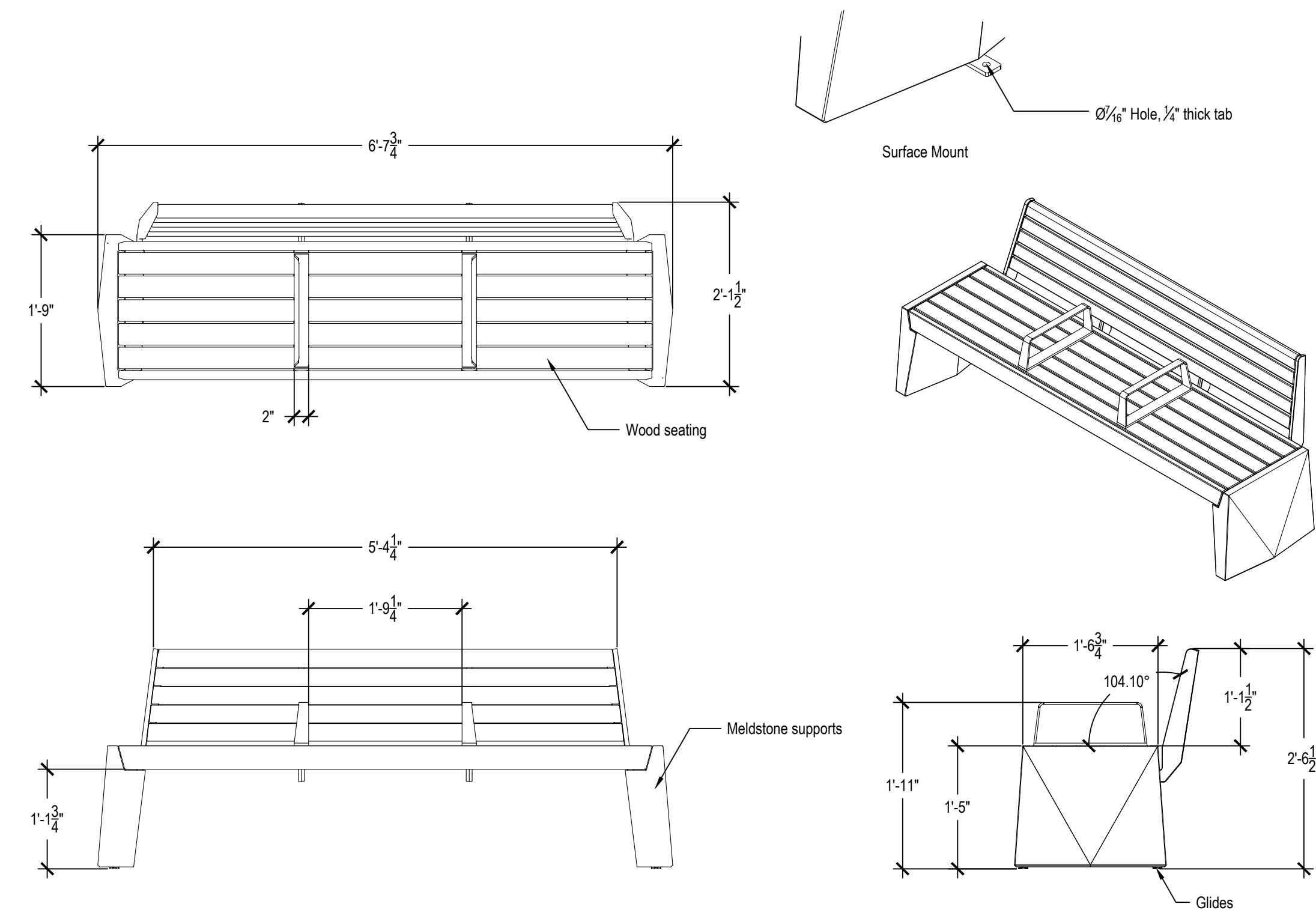
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2 Bike Rack - Landscape Forms | Emerson  
L506 Scale: 3/4"=1'-0"



3 Trash Receptacle - Forms+Surfaces | Universal  
L506 Scale: 3/4"=1'-0"

Surface mount; with anchor tabs, anchoring hardware not included.



Drawing: BK1007  
Dimensions are in inches  
U.S. Patent No.: D774,816

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4 Bench - Landscape Forms | Strata Beam  
L506 Scale: 3/4"=1'-0"



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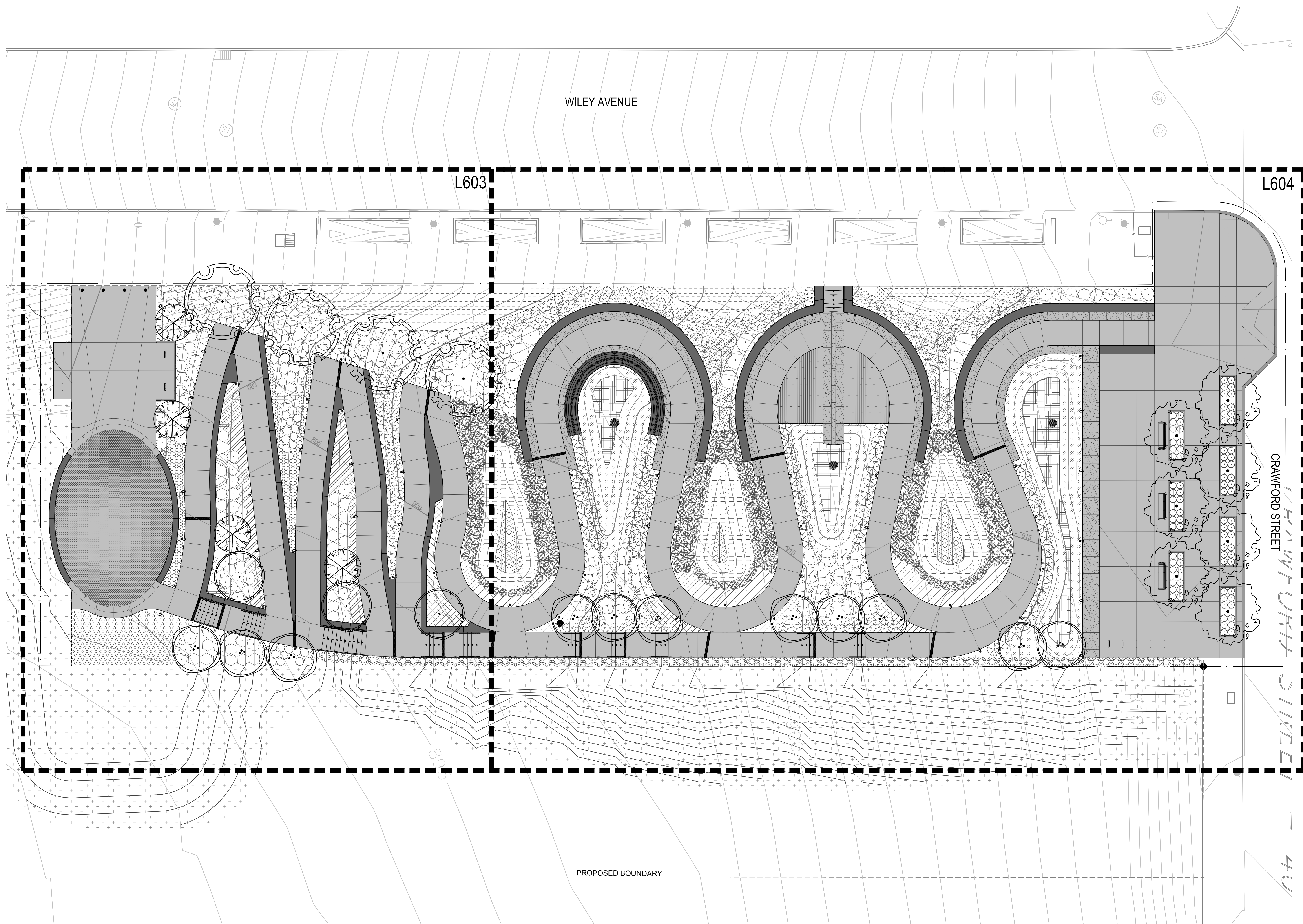
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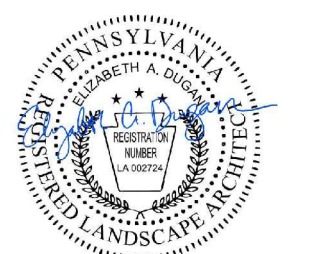
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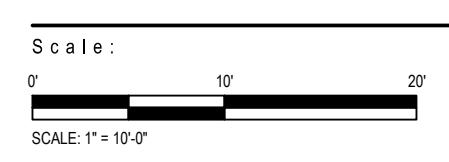


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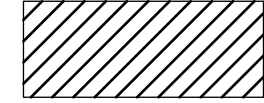
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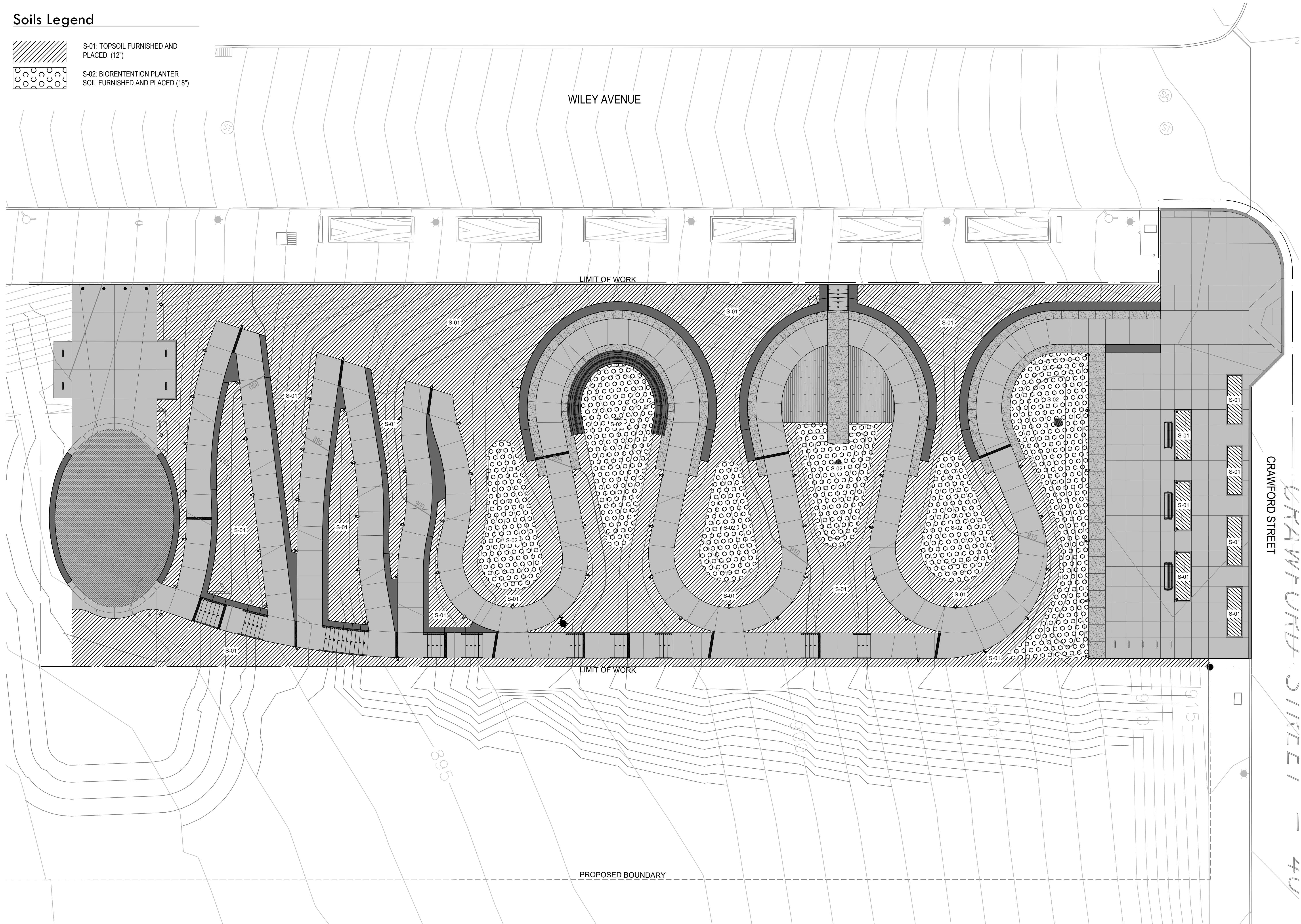
Submission:  
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Sheet Number:  
**L600**

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**Soils Legend**

-  S-01: TOPSOIL FURNISHED AND PLACED (12")
-  S-02: BIORENTENTION PLANTER SOIL FURNISHED AND PLACED (18")



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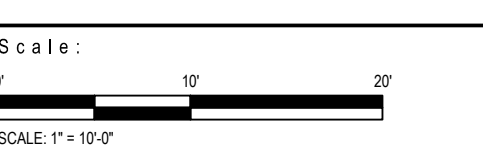
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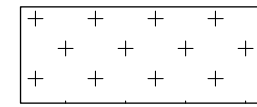
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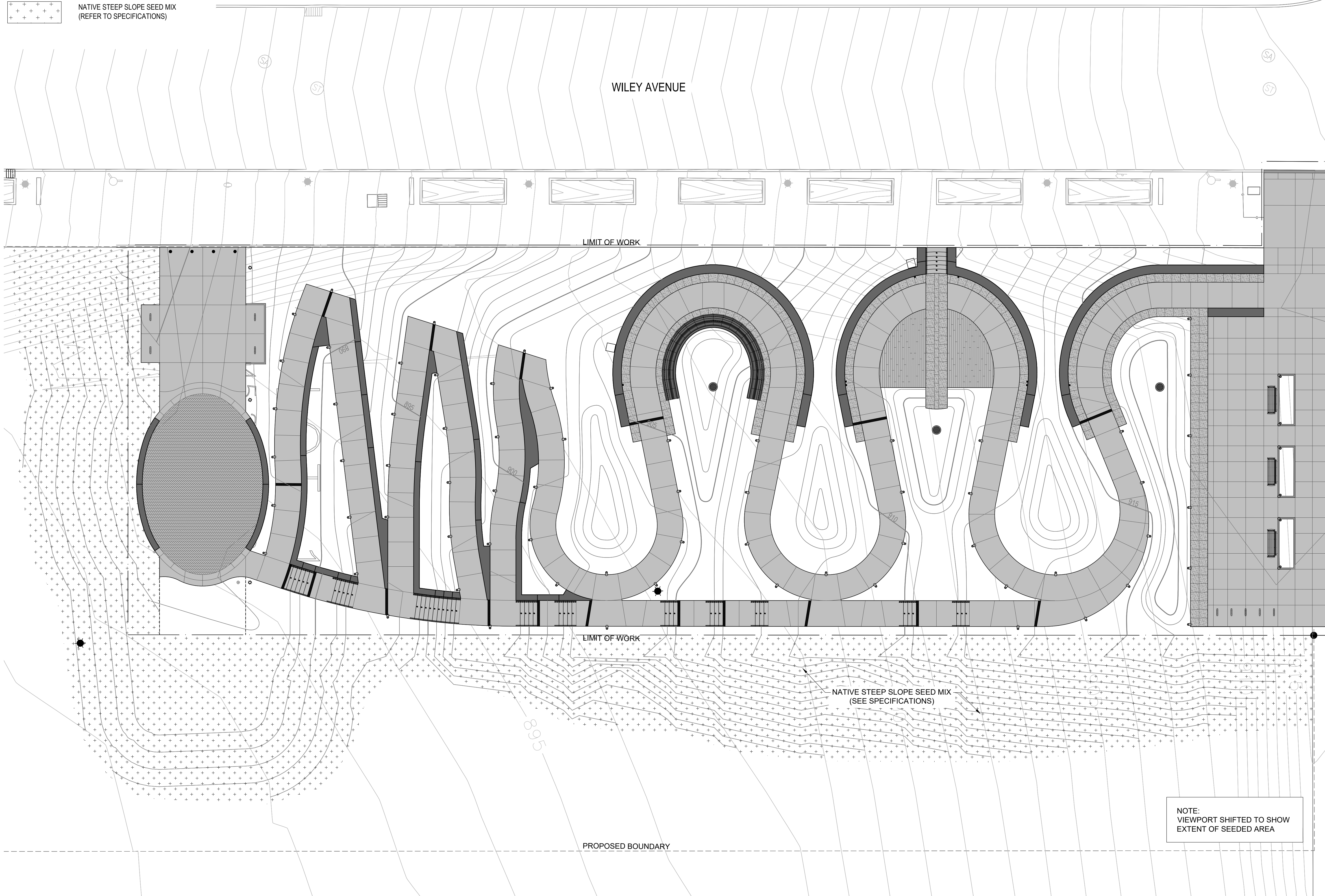
Submission:  
**100% Construction Documents**

Sheet Number:  
**L601**

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**Legend**


 NATIVE STEEP SLOPE SEED MIX  
 (REFER TO SPECIFICATIONS)



NOTE:  
VIEWPORT SHIFTED TO SHOW  
EXTENT OF SEEDED AREA



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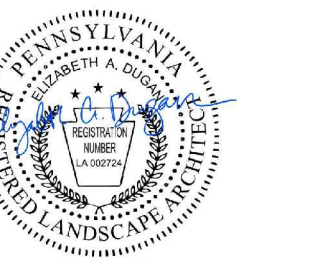
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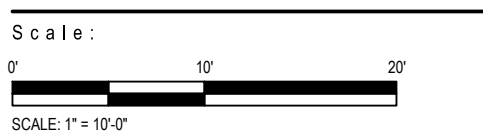


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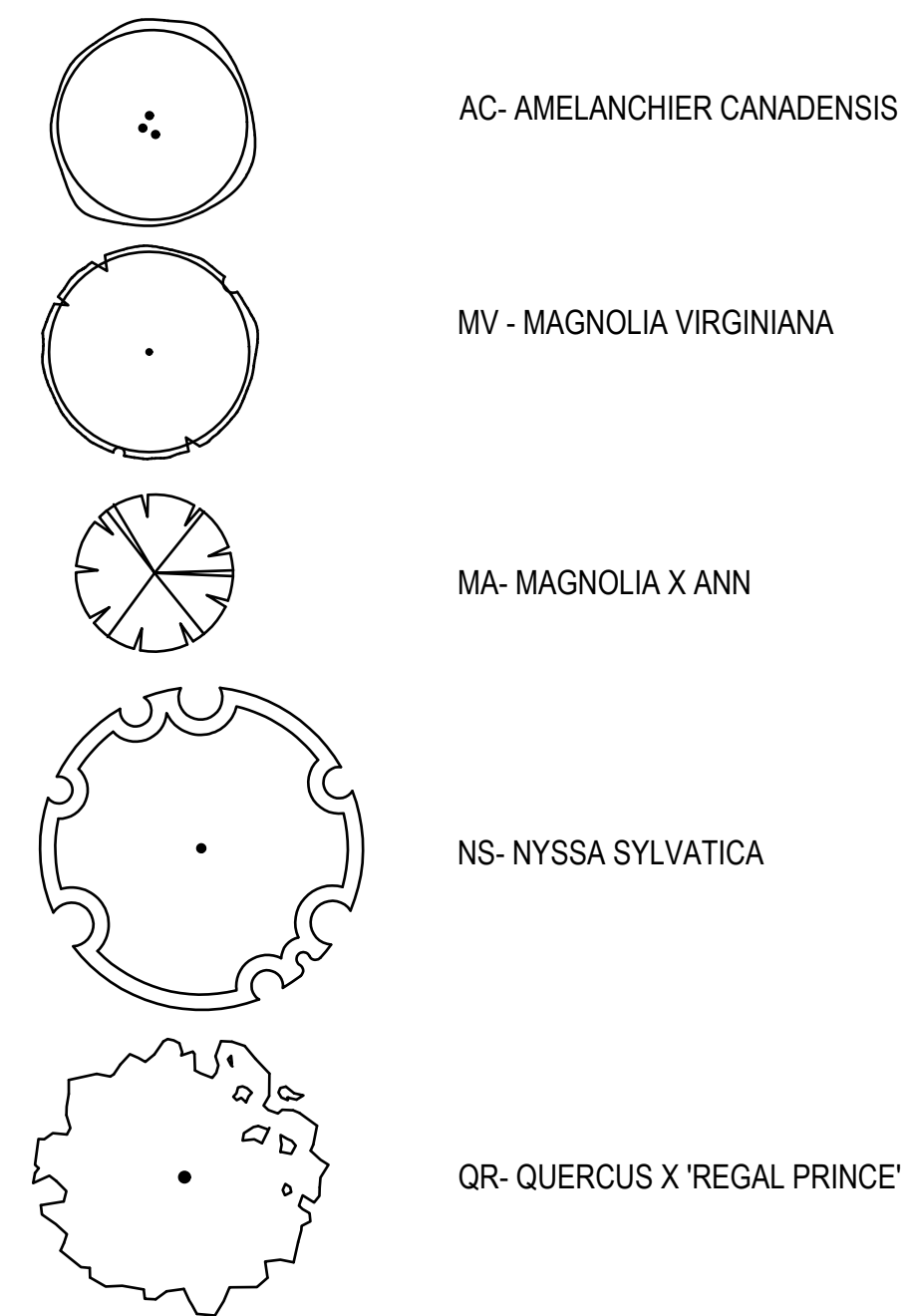
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Submission:  
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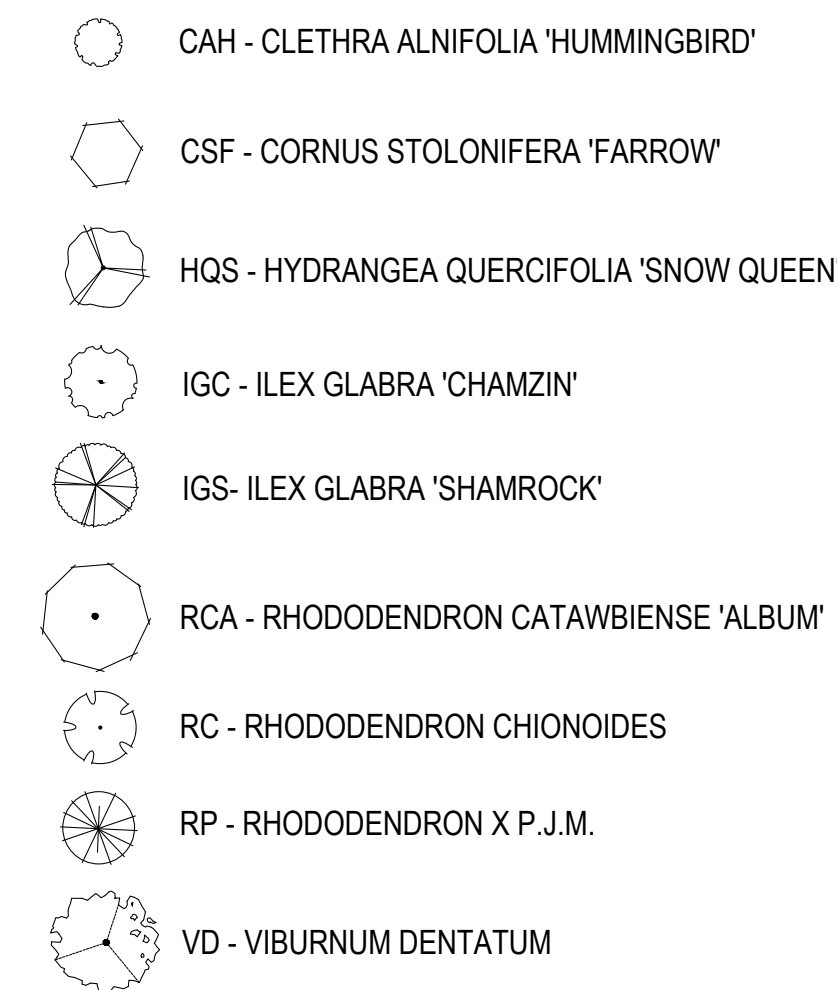
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### Tree Legend



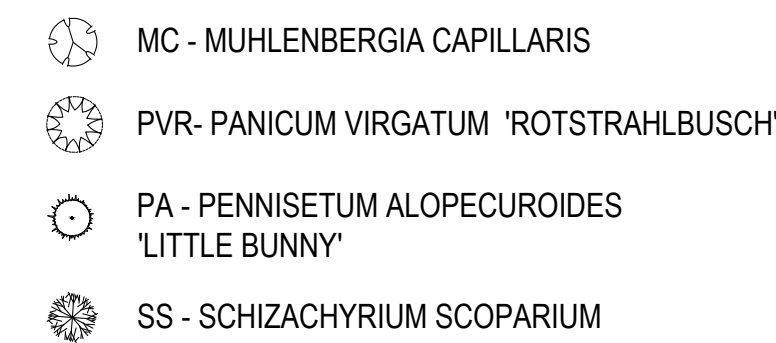
### Shrub Legend



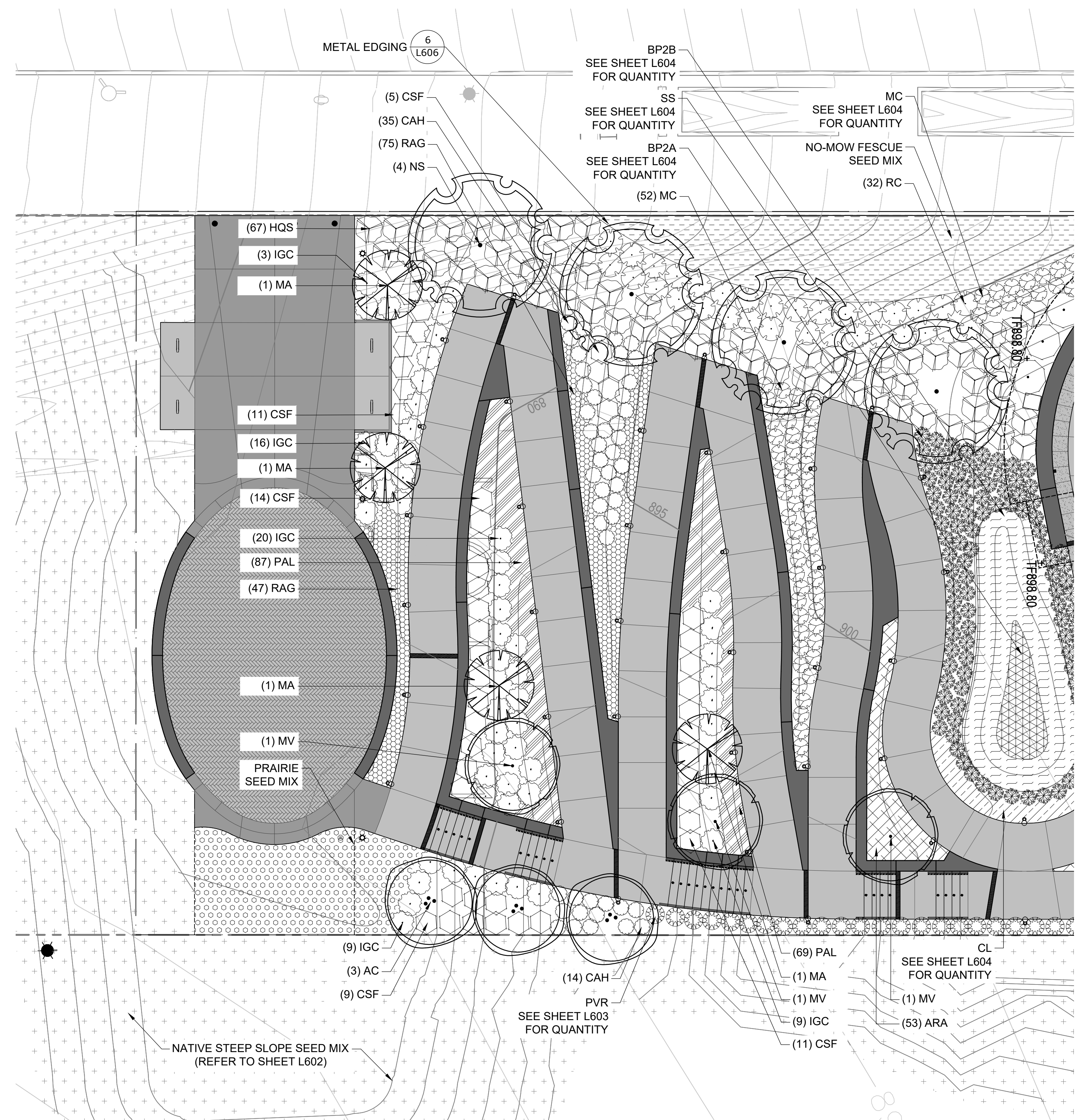
### Perennials & Groundcovers



### Ornamental Grasses



NOTE:  
 1. REFER TO L605/L606 FOR PLANTING SCHEDULES AND DETAILS.  
 2. REFER TO L300s FOR SITE IMPROVEMENTS PLANS.



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Revisions:

Scale:  
 0 2 4 8 16  
 SCALE 1/8" = 1'-0"

Sheet Name:  
**Landscape Plan Enlargement**

Submission:  
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Sheet Number:  
**L603**

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### Tree Legend

- AC - AMELANCHIER CANADENSIS
- MV - MAGNOLIA VIRGINIANA
- MA - MAGNOLIA X ANN
- NS - NYSSA SYLVATICA
- QR - QUERCUS X 'REGAL PRINCE'

### Shrub Legend

- CAH - CLETHRA ALNIFOLIA 'HUMMINGBIRD'
- CSF - CORNUS STOLONIFERA 'FARROW'
- HQS - HYDRANGEA QUERCIFOLIA 'SNOW QUEEN'
- IGC - ILEX GLABRA 'CHAMZIN'
- IGS - ILEX GLABRA 'SHAMROCK'
- RCA - RHODODENDRON CATAWBIENSE 'ALBUM'
- RC - RHODODENDRON CHIONOIDES
- RP - RHODODENDRON X P.J.M.
- VD - VIBURNUM DENTATUM

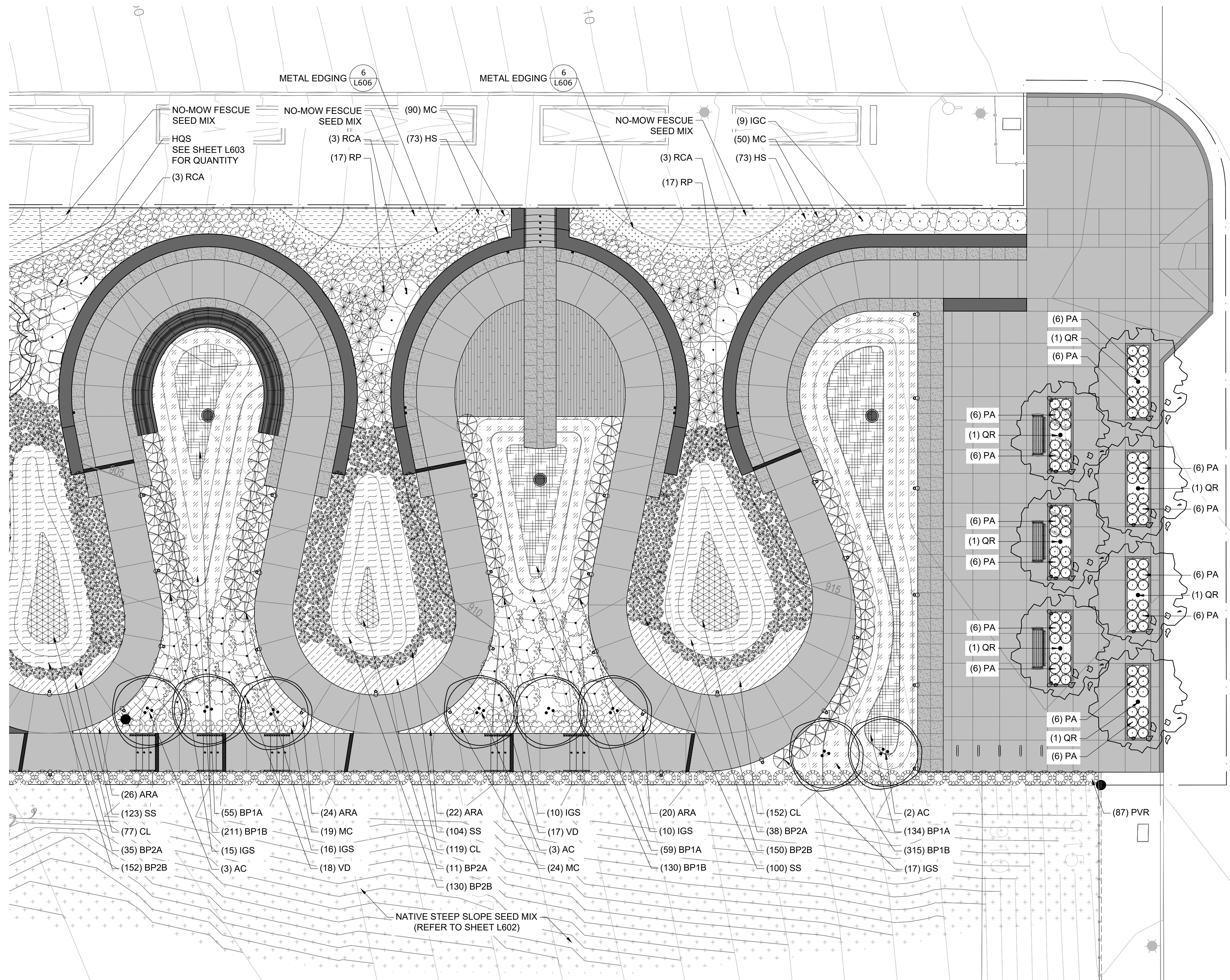
### Perennials & Groundcovers

- ARA - AGASTACHE RUGOSA F. ALBIFLORA
- CL - COREOPSIS LANCEOLATA
- HS - HEUCHERA SANGUINEA
- PAL - PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'
- RAG - RUDBECKIA 'AMERICAN GOLD RUSH'
- BP1A - BIORETENTION PLANTING MIX 1A
- BP1B - BIORETENTION PLANTING MIX 1B
- BP2A - BIORETENTION PLANTING MIX 2A
- BP2B - BIORETENTION PLANTING MIX 2B
- NO-MOW FESCUE SEED MIX (REFER TO SPECIFICATIONS)
- PRAIRIE SEED MIX (REFER TO SPECIFICATIONS)
- NATIVE STEEP SLOPE SEED MIX (REFER TO SPECIFICATIONS)

### Ornamental Grasses

- MC - MUHLENBERGIA CAPILLARIS
- PVR - PANICUM VIRGATUM 'ROTSTRAHLBUSCH'
- PA - PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'
- SS - SCHIZACHYRIUM SCOPARIUM

NOTE:  
 1. REFER TO L605/L606 FOR PLANTING SCHEDULES AND DETAILS.  
 2. REFER TO L300s FOR SITE IMPROVEMENTS PLANS.





TREE SCHEDULE					
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE (MIN.)	CONDITION	NOTES
11	AMELANCHIER CANADENSIS	AUTUMN BRILLIANCE SERVICEBERRY	5'-6" HT.	B&B	SINGLE TRUNK, INSTALL TREGATOR ORIGINAL WATERING BAG- REFER TO SPECIFICATIONS
3	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	2- 21/2" CAL	B&B	SINGLE TRUNK, INSTALL TREGATOR ORIGINAL WATERING BAG- REFER TO SPECIFICATIONS
4	MAGNOLIA X 'ANN'	ANN MAGNOLIA	5'-6" HT.	B&B	SINGLE TRUNK, MATCHING SPECIMENS, INSTALL TREGATOR ORIGINAL WATERING BAG- REFER TO SPECIFICATIONS
4	NYSSA SYLVATICA	BLACK TUPELO	3" CAL.	B&B	INSTALL TREGATOR ORIGINAL WATERING BAG- REFER TO SPECIFICATIONS
7	QUERCUS X 'REGAL PRINCE'	REGAL PRINCE OAK	3" CAL.	B&B	STREET TREES, MATCHING SPECIMENS, INSTALL TREGATOR ORIGINAL WATERING BAG- REFER TO SPECIFICATIONS

NOTE:  
1) QUANTITIES SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES FOR PLANTING AREAS.  
2) B&B = BALLED & BURLAPPED, CONT= CONTAINER, O.C.= ON CENTER SPACING, GAL=GALLON

SHRUB SCHEDULE						
QUANTITY	CODE	BOTANICAL NAME	COMMON NAME	SIZE (MIN.)	CONDITION	NOTES
49	CAH	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	18"-24" HT.	#3 CONT	FULL AND BUSHY TO GROUND
50	CSF	CORNUS STOLONIFERA 'FARROW'	ARCTIC FIRE RED TWIG DOGWOOD	2-3' HT.	#5 CONT	FULL AND BUSHY TO GROUND
67	HQS	HYDRANGEA QUERCIFOLIA 'SNOW QUEEN'	SNOW QUEEN OAKLEAF HYDRANGEA	3'-4' HT.	B&B	FULL AND BUSHY TO GROUND
66	IGC	ILEX GLABRA 'CHAMZIN'	NORDIC INKBERRY HOLLY	18"-24" HT.	#5 CONT	FULL AND BUSHY TO GROUND
68	IGS	ILEX GLABRA 'SHAMROCK'	SHAMROCK HOLLY	18"-24" HT.	#5 CONT	FULL AND BUSHY TO GROUND
9	RCA	RHODODENDRON CATAWBIENSE 'ALBUM'	WHITE CATAWBA RHODODENDRON	3-4' HT.	B&B	FULL AND BUSHY TO GROUND
32	RC	RHODODENDRON 'CHIONOIDES'	CHIONOIDES RHODODENDRON	18"-24" HT.	#5 CONT	FULL AND BUSHY TO GROUND
34	RP	RHODODENDRON X PJM	PJM RHODODENDRON	18"-24" HT.	#5 CONT	FULL AND BUSHY TO GROUND
35	VD	VIBURNUM DENTATUM	ARROWOOD VIBURNUM	3-4' HT.	B&B	FULL AND BUSHY TO GROUND

NOTE:  
1) QUANTITIES SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES FOR PLANTING AREAS.  
2) B&B = BALLED & BURLAPPED, CONT= CONTAINER, O.C.= ON CENTER SPACING, GAL=GALLON

PERENNIALS, ORNAMENTAL GRASSES & GROUNDCOVERS						
QUANTITY	CODE	BOTANICAL NAME	COMMON NAME	SIZE (MIN.)	CONDITION	NOTES
145	ARA	AGASTACHE RUGOSA F. ALBIFLORA	KOREAN MINT	#1 CONT.	CLUMP	SPACING 18" O.C.
348	CL	COREOPSIS LANCEOLATA	LANCE-LEAVED COREOPSIS	#1 CONT.	CLUMP	SPACING 12" O.C.
146	HS	HEUCHERA SANGUINEA	CORAL BELLS	#1 CONT.	CLUMP	SPACING 12" O.C.
235	MC	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	#2 CONT	CONT.	SPACING AS SHOWN ON PLAN
87	PVR	PANICUM VIRGATUM 'ROTSTRAHLBUSCH'	RED SWITCHGRASS	2-3' HT.	CONT.	SPACING AS SHOWN ON PLAN
84	PA	PENNISETUM ALOPECUROIDES 'LITTLE BUNNY'	LITTLE BUNNY FOUNTAIN GRASS	#2 CONT.	CONT.	SPACING AS SHOWN ON PLAN
156	PAL	PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'	LITTLE SPIRE RUSSIAN SAGE	#2 CONT	CLUMP	SPACING 18" O.C.
122	RAG	RUDBECKIA 'AMERICAN GOLD RUSH'	AMERICAN GOLD RUSH BLACK-EYED SUSAN	#1 CONT.	CLUMP	SPACING 18" O.C.
327	SS	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	#2 CONT	CONT.	SPACING AS SHOWN ON PLAN
248	BP1A	BIO RETENTION MIX 1A	25% CAREX VULPINOIDEA 25% ASCLEPIAS INCARNATA 25% LIATRIS SPICATA 25% HELENIUM AUTUMNALE	#2 CONT.	CONT.	SPACING 18" O.C.
656	BP1B	BIO RETENTION MIX 1B	25% ANDROPOGON VIRGINICUS 25% HELIOPSIS HELIANTHOIDES 25% AQUILEGIA CANADENSIS 'CORBETT' 25% ECHINACEA PURPUREA	#2 CONT.	CONT.	SPACING 18" O.C.
84	BP2A	BIO RETENTION MIX 2A	25% JUNCUS EFFUSUS 25% EUTROCHILUM PURPUREUM 25% ASCLEPIAS INCARNATA 'ICE BALLET' 25% HELENIUM 'MARDI GRAS'	#2 CONT.	CONT.	SPACING 18" O.C.
432	BP2B	BIO RETENTION MIX 2B	25% ANDROPOGON VIRGINICUS 25% AQUILEGIA CANADENSIS 25% RATIBIDA PINNATA 25% ASTER NOVAE-ANGLIAE	#2 CONT.	CONT.	SPACING 18" O.C.
NA	NA	NATIVE STEEP SLOPE SEED MIX	REFER TO SPECIFICATIONS	NA	NA	NA
NA	NA	NO-MOW FESCUE SEED MIX	REFER TO SPECIFICATIONS	NA	NA	NA
NA	NA	PRAIRIE SEED MIX	SCHIZACHYRIUM SCOPARIUM SEED MIX, REFER TO SPECIFICATIONS	NA	NA	NA

NOTE:  
1) QUANTITIES SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES FOR PLANTING AREAS.  
2) B&B = BALLED & BURLAPPED, CONT= CONTAINER, O.C.= ON CENTER SPACING  
3) GRASSES, GROUNDCOVERS AND PERENNIALS UTILIZE TRIANGULAR SPACING. REFER TO PLANS FOR HATCHED AREAS.

**GENERAL NOTES**

**PRIOR TO CONSTRUCTION:**

- CONTRACTOR SHALL OBTAIN ALL RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS, REVIEW DRAWINGS AND PROPOSED WORK PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND SITE IMPROVEMENTS THAT ARE NOTED TO REMAIN AND SHALL COORDINATE WITH PENNSYLVANIA ONE CALL SYSTEM, INC. TO VERIFY LOCATION OF ALL UTILITIES. CALL 1-800-242-1776.

**GENERAL PLANTING:**

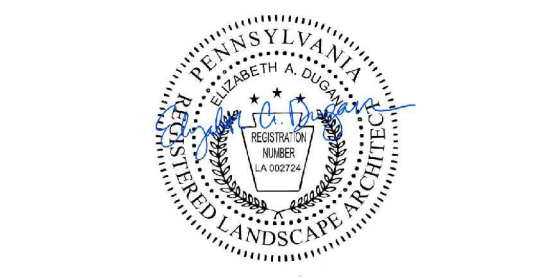
- COORDINATE PLANTINGS WITH EXISTING AND PROPOSED UTILITY LOCATIONS AND NOTIFY OWNER'S REPRESENTATIVE OF ANY UTILITIES OR FEATURES THAT INTERFERE WITH PROPOSED IMPROVEMENTS.
- UTILIZE ONLY PLANTS GROWN IN THE SAME USDA PLANTING ZONES (PER THE USDA PLANT HARDINESS MAP) AS THOSE OF THE PROJECT SITE.
- ALL PLANTS SHALL BE FURNISHED AND INSTALLED IN STRICT ACCORDANCE WITH THE "AMERICAN STANDARD FOR NURSERY STOCK". ANSI Z60.1, AS PUBLISHED AND APPROVED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL PLANTS TO BE STAKED IN THE FIELD BY CONTRACTOR FOR APPROVAL OF OWNER'S REPRESENTATIVE PRIOR TO PLANTING INSTALLATION.
- CONTRACTOR SHALL INSTALL ALL PLANT MATERIALS IN LOCATIONS AND TO DEPTHS AS SHOWN ON PLAN OR ON DETAILS.
- PROVIDE MULCH RING AROUND INDIVIDUAL TREES (BOTH EXISTING AND PROPOSED). 4" MINIMUM MULCH RING - AT ORNAMENTAL/FLOWERING TREES.
- REFER TO SPECIFICATIONS FOR MULCH.
- NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN THE PLANT SCHEDULE AND PLAN PRIOR TO ORDERING PLANT MATERIALS.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE CALENDAR YEAR AFTER WRITTEN NOTICE OF ACCEPTANCE OF ALL PLANTING WORK.
- NO SUBSTITUTIONS FOR PLANT SPECIES AND VARIETIES WILL PERMITTED WITH OUT APPROVAL BY OWNER'S REPRESENTATIVE.
- SHOULD THERE BE A DISCREPANCY BETWEEN THE PLANT SCHEDULES AND THE PLANTING PLAN, THE FOLLOWING GOVERNS:
  - NUMBER OF PLANT MATERIAL- PLANTING PLAN GOVERNS
  - SIZE OF PLANTS - LARGEST SIZE GOVERNS
  - TYPE OF PLANT MATERIAL - AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

**TOPSOIL:**

- TOPSOIL SHALL BE SUPPLIED BY THE CONTRACTOR. TOPSOIL MUST BE TESTED ACCORDING TO SPECIFICATIONS PRIOR TO ITS USE. TOPSOIL TEST RESULTS AND AMENDMENT RECOMMENDATIONS SHALL BE PROVIDED BY THE CONTRACTOR TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- TOPSOIL SHALL BE 6 INCHES IN LAWN AREAS AND 12 INCHES IN PLANTING BEDS.



**Lower Hill-Curtain Call**  
Pittsburgh, PA



Project Number:  
21020-1  
Drawn by:  
AT  
Checked by:  
LD | DM  
Date:  
April 28, 2023

Revisions:

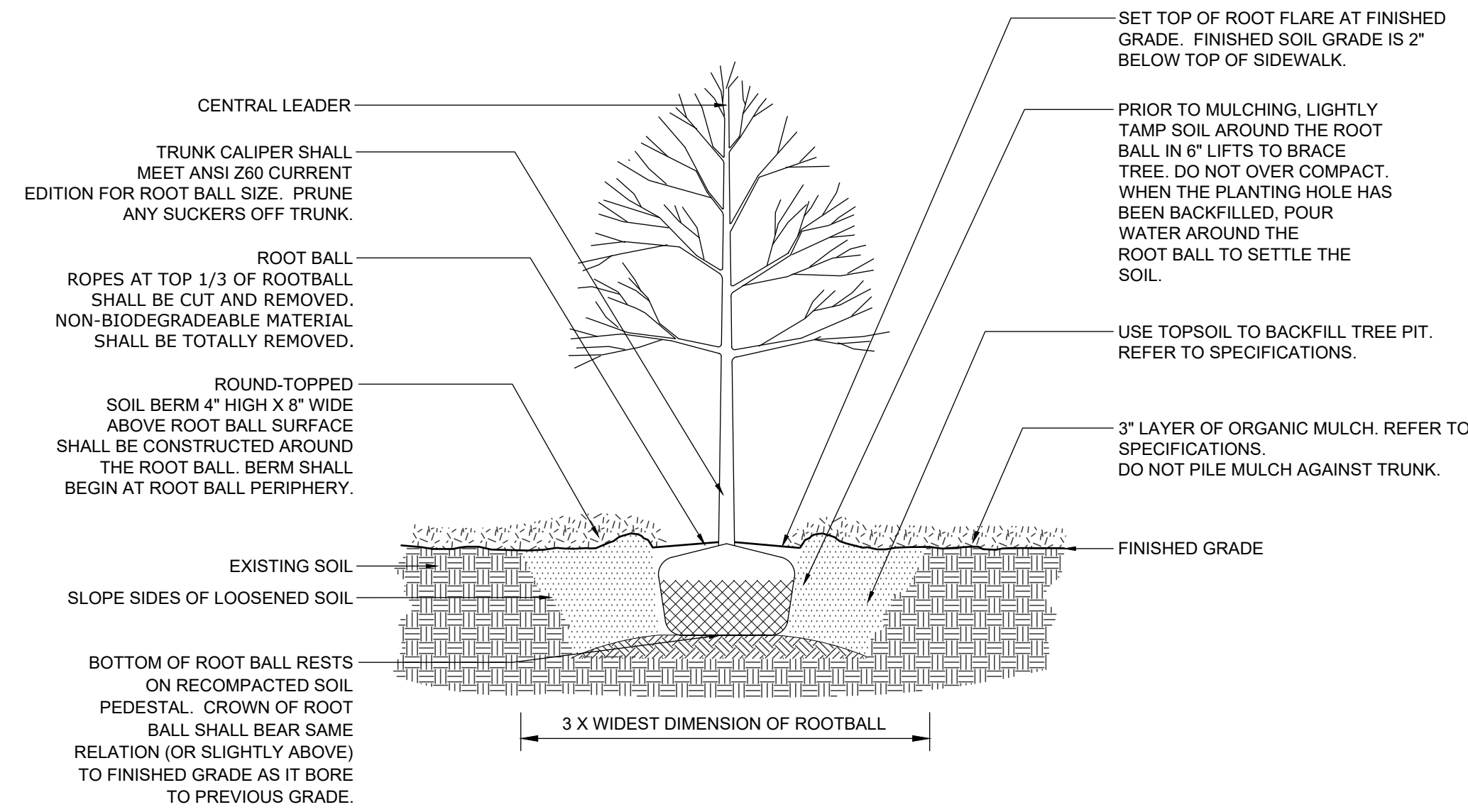
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as noted

Sheet Name:  
**Plant Schedules**

Submission:  
100% Construction Documents

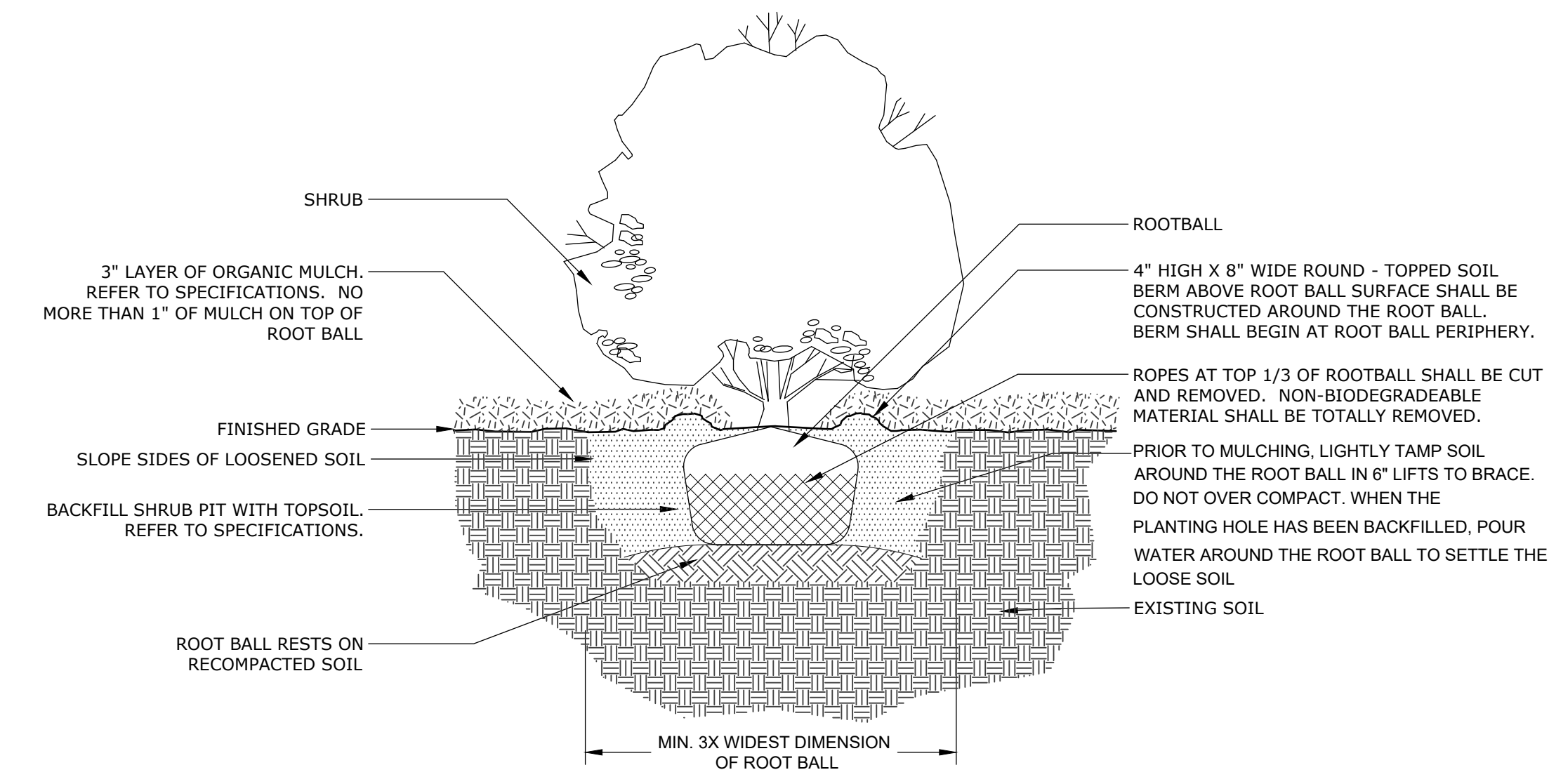
Sheet Number:  
**L605**

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PLANTS DUG WITH FIRM, NATURAL BALLS OF EARTH IN WHICH THEY ARE GROWN, WITH BALL SIZE NOT LESS THAN DIAMETER AND DEPTH RECOMMENDED BY ANSI Z60.1 FOR TYPE AND SIZE OF TREE OR SHRUB REQUIRED, WRAPPED, TIED, RIGIDLY SUPPORTED, AND DRUM-LACED AS RECOMMENDED BY ANSI Z60.1 CURRENT EDITION.

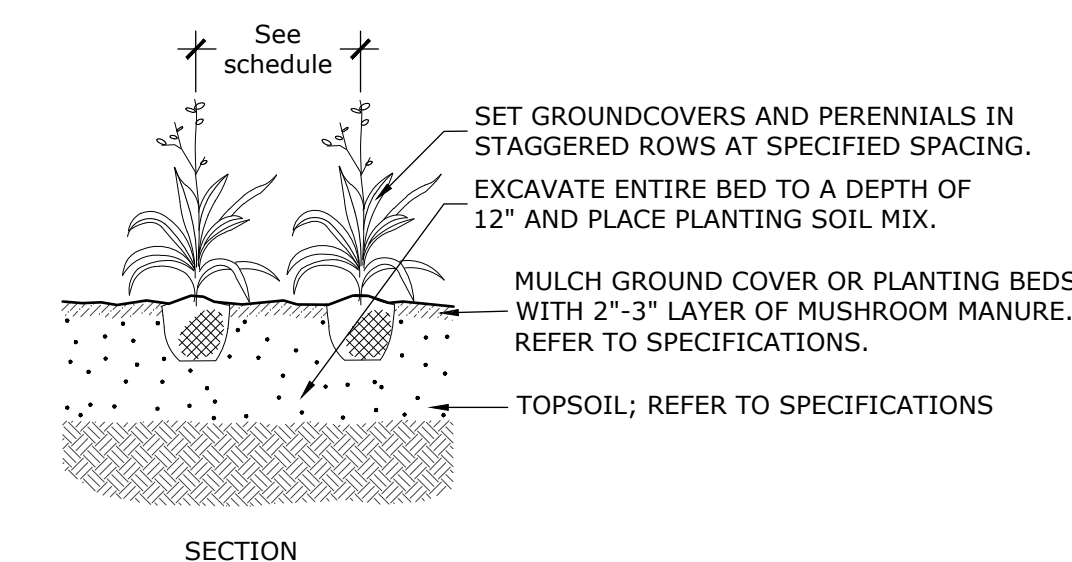
1 Deciduous Tree Planting  
L606 Scale: 1/2" = 1'



NOTE: BALLED AND BURLAPPED PLANTS DUG WITH FIRM, NATURAL BALLS OF EARTH IN WHICH THEY ARE GROWN, WITH BALL SIZE NOT LESS THAN DIAMETER AND DEPTH RECOMMENDED BY ANSI Z60.1-1996 FOR TYPE AND SIZE OF TREE OR SHRUB REQUIRED; WRAPPED, TIED, RIGIDLY SUPPORTED, AND DRUM-LACED AS RECOMMENDED BY ANSI Z60.1-1996.

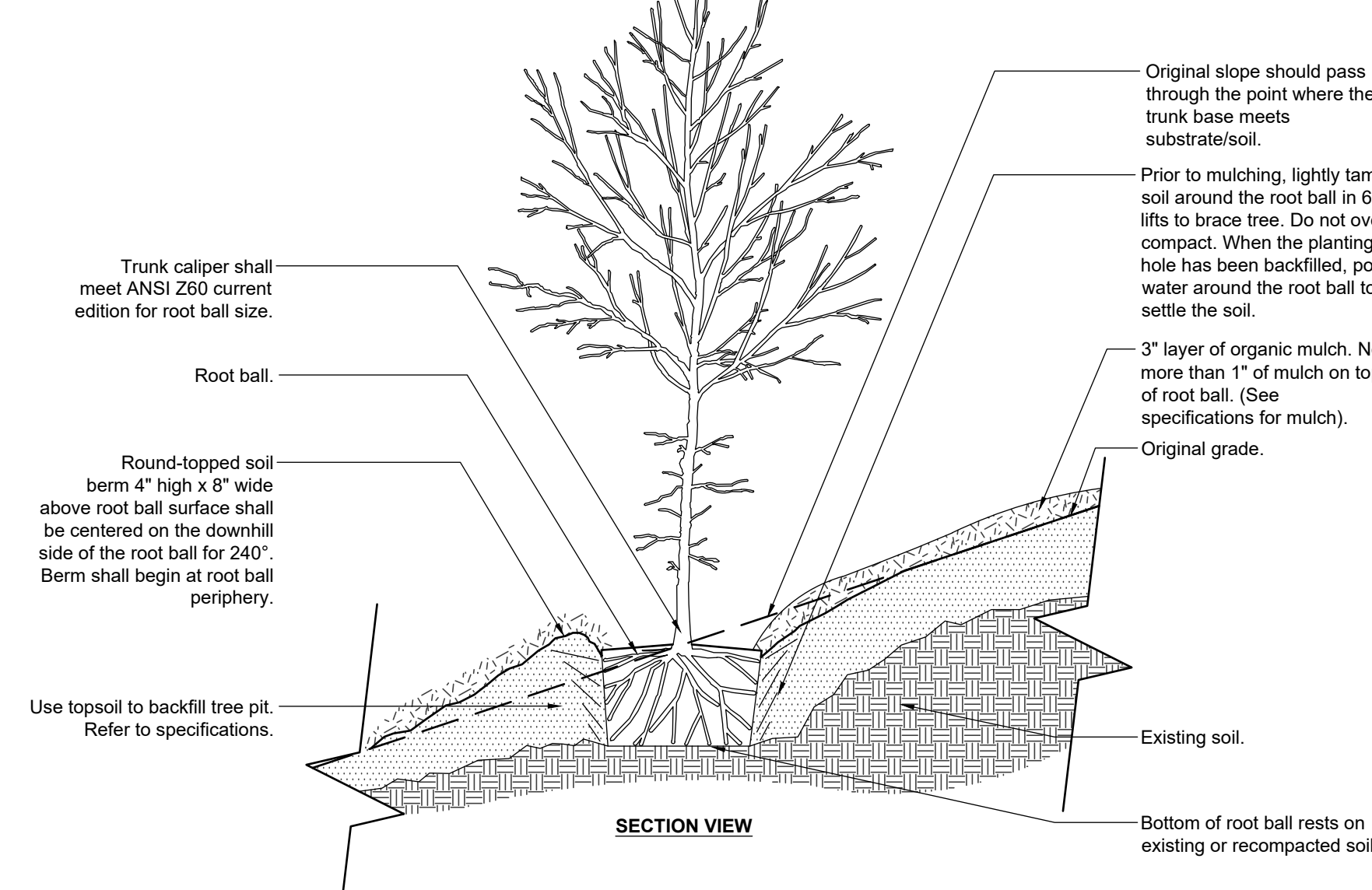
ALL CONTAINER GROWN PLANTS SHALL BE HEALTHY, VIGOROUS, WELL ROOTED, AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE GROWING. A CONTAINER GROWN PLANT SHALL HAVE A WELL-ESTABLISHED ROOT SYSTEM REACHING THE SIDES OF THE CONTAINER TO MAINTAIN A FIRM ROOT BALL. CONTAINER SHALL BE RIGID ENOUGH TO HOLD BALL SHAPE AND PROTECT ROOT MASS DURING SHIPPING AND BE SIZED ACCORDING TO ANSI Z60.1-CURRENT EDITION FOR KIND, TYPE, AND SIZE OF PLANT REQUIRED.

4 Shrub Planting  
L606 Scale: 3/4" = 1'



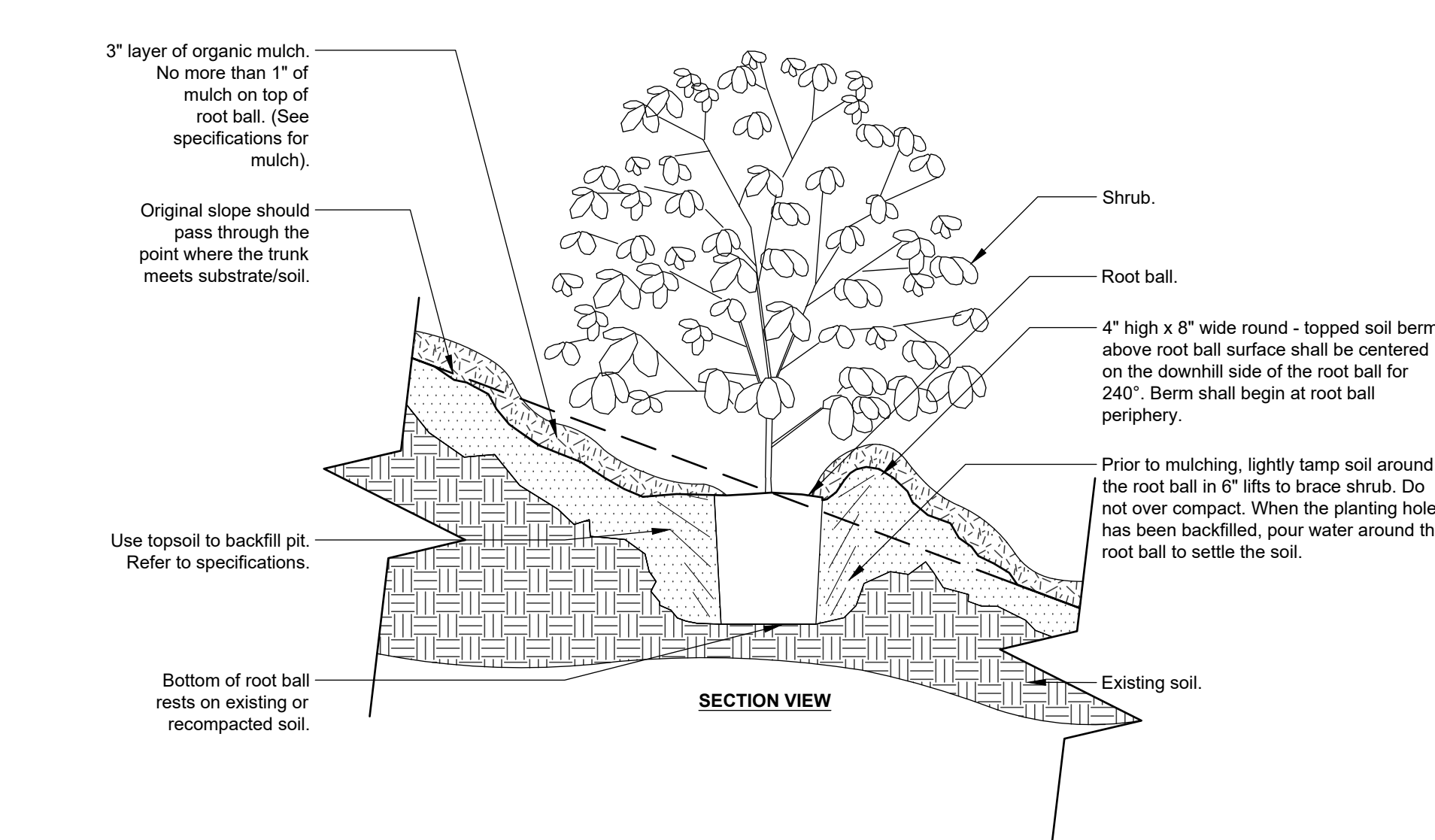
NOTE: ALL CONTAINER GROWN PERENNIAL PLANTS AND GROUNDCOVERS SHALL BE HEALTHY, VIGOROUS, WELL ROOTED, AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE GROWING. A CONTAINER GROWN PERENNIAL PLANT SHALL HAVE A WELL-ESTABLISHED ROOT SYSTEM REACHING THE SIDES OF THE CONTAINER TO MAINTAIN A FIRM ROOT BALL. CONTAINER SHALL BE RIGID ENOUGH TO HOLD BALL SHAPE AND PROTECT ROOT MASS DURING SHIPPING AND BE SIZED ACCORDING TO ANSI Z60.1-CURRENT EDITION FOR KIND, TYPE, AND SIZE OF PLANT REQUIRED.

7 Perennial and Groundcover Planting  
L606 Scale: NTS



PLANTS DUG WITH FIRM, NATURAL BALLS OF EARTH IN WHICH THEY ARE GROWN, WITH BALL SIZE NOT LESS THAN DIAMETER AND DEPTH RECOMMENDED BY ANSI Z60.1 FOR TYPE AND SIZE OF TREE OR SHRUB REQUIRED, WRAPPED, TIED, RIGIDLY SUPPORTED, AND DRUM-LACED AS RECOMMENDED BY ANSI Z60.1 CURRENT EDITION.

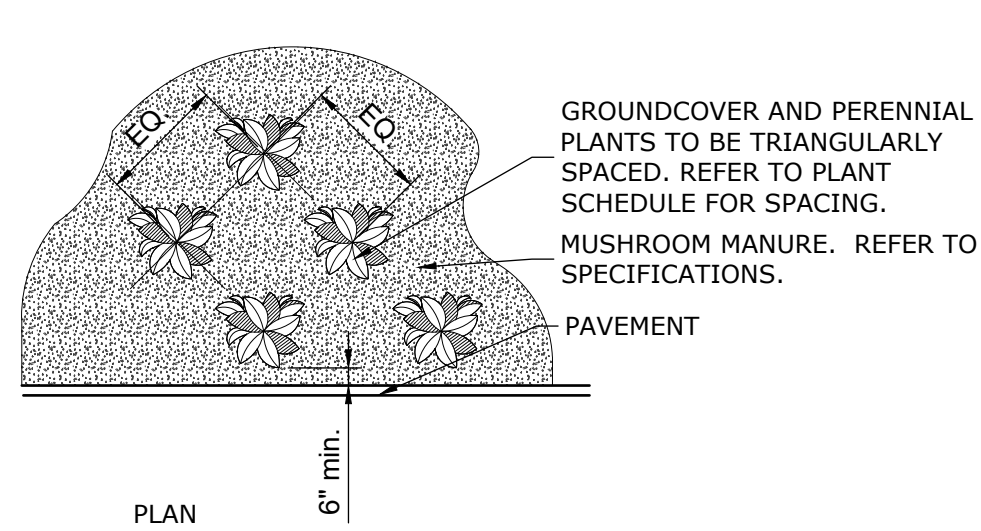
2 Deciduous Tree Planting on Slope  
L606 Scale: 1/2" = 1'



NOTE: BALLED AND BURLAPPED PLANTS DUG WITH FIRM, NATURAL BALLS OF EARTH IN WHICH THEY ARE GROWN, WITH BALL SIZE NOT LESS THAN DIAMETER AND DEPTH RECOMMENDED BY ANSI Z60.1-1996 FOR TYPE AND SIZE OF TREE OR SHRUB REQUIRED; WRAPPED, TIED, RIGIDLY SUPPORTED, AND DRUM-LACED AS RECOMMENDED BY ANSI Z60.1-1996.

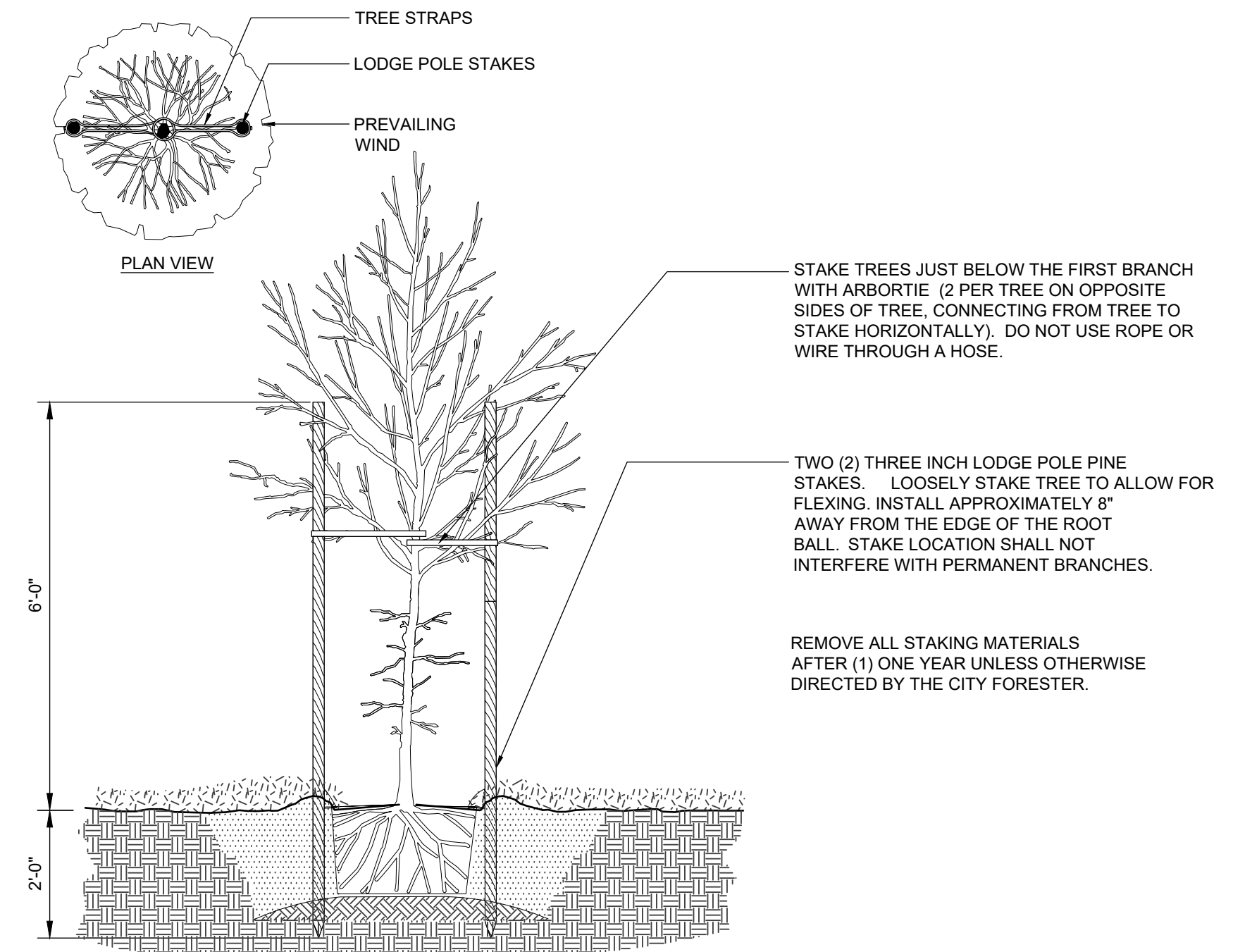
ALL CONTAINER GROWN PLANTS SHALL BE HEALTHY, VIGOROUS, WELL ROOTED, AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE GROWING. A CONTAINER GROWN PLANT SHALL HAVE A WELL-ESTABLISHED ROOT SYSTEM REACHING THE SIDES OF THE CONTAINER TO MAINTAIN A FIRM ROOT BALL. CONTAINER SHALL BE RIGID ENOUGH TO HOLD BALL SHAPE AND PROTECT ROOT MASS DURING SHIPPING AND BE SIZED ACCORDING TO ANSI Z60.1-CURRENT EDITION FOR KIND, TYPE, AND SIZE OF PLANT REQUIRED.

5 Shrub Planting on Slope  
L606 Scale: 3/4" = 1'

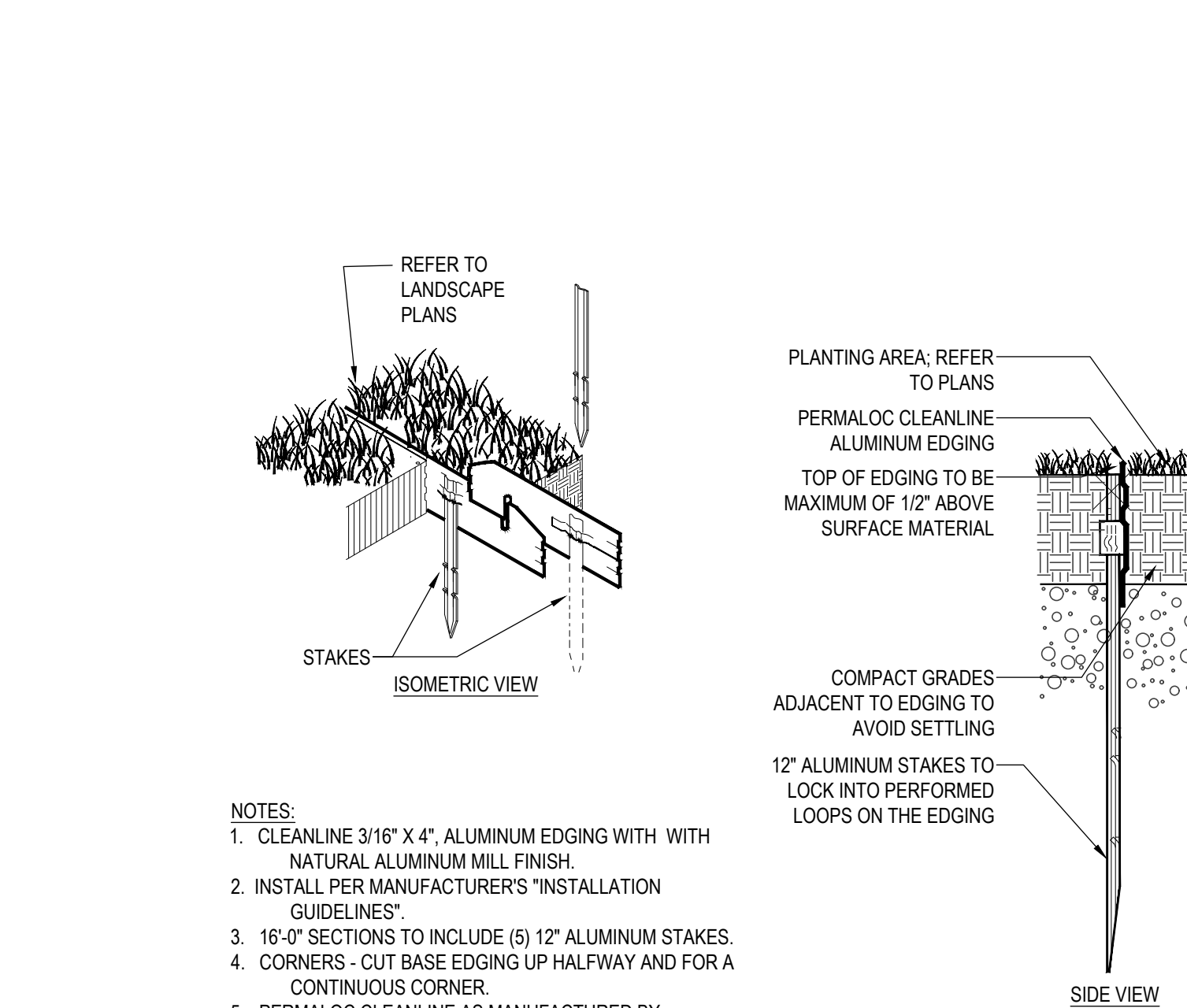


NOTE: 1- SEE PLANTING LEGEND FOR PERENNIAL OR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION. 2- SMALL ROOTS (1/4\"/>

5 Shrub Planting on Slope  
L606 Scale: 3/4" = 1'



3 Tree Staking - 2 Lodge Poles  
L606 Scale: 1/2" = 1'



NOTES:  
1. CLEANLINE 3/16" X 4", ALUMINUM EDGING WITH NATURAL ALUMINUM MILL FINISH.  
2. INSTALL PER MANUFACTURER'S INSTALLATION GUIDELINES.  
3. 16" SECTION TO INCLUDE (5) 12" ALUMINUM STAKES.  
4. CORNERS - CUT BASE EDGING UP HALF WAY AND FOR A CONTINUOUS CORNER.  
5. PERMALOC CLEANLINE AS MANUFACTURED BY PERMALOC CORPORATION. WWW.PERMALOC.COM OR APPROVED EQUIVALENT

6 Metal Edging  
L606 Scale: NTS



Landscape Architecture

95 South Tenth Street  
Pittsburgh, Pennsylvania 15203  
www.lbaquattro.com  
412.488.8822

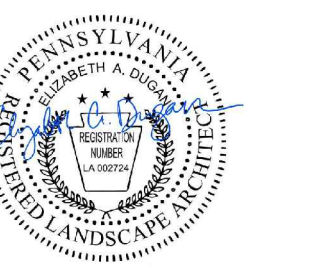
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STUDIO  
ARTIST

HOOD DESIGN STUDIO, Inc.

3016 FILBERT street  
studio 2  
OAKLAND, CA 94608  
510.595.0688  
www.hooddesignstudio.com



Lower Hill-Curtain Call  
Pittsburgh, PA



Project Number:  
21020-1  
Drawn by:  
AT  
Checked by:  
LD | DM  
Date:  
April 28, 2023

Revisions:

Scale:

as noted

Sheet Name:

Planting Details

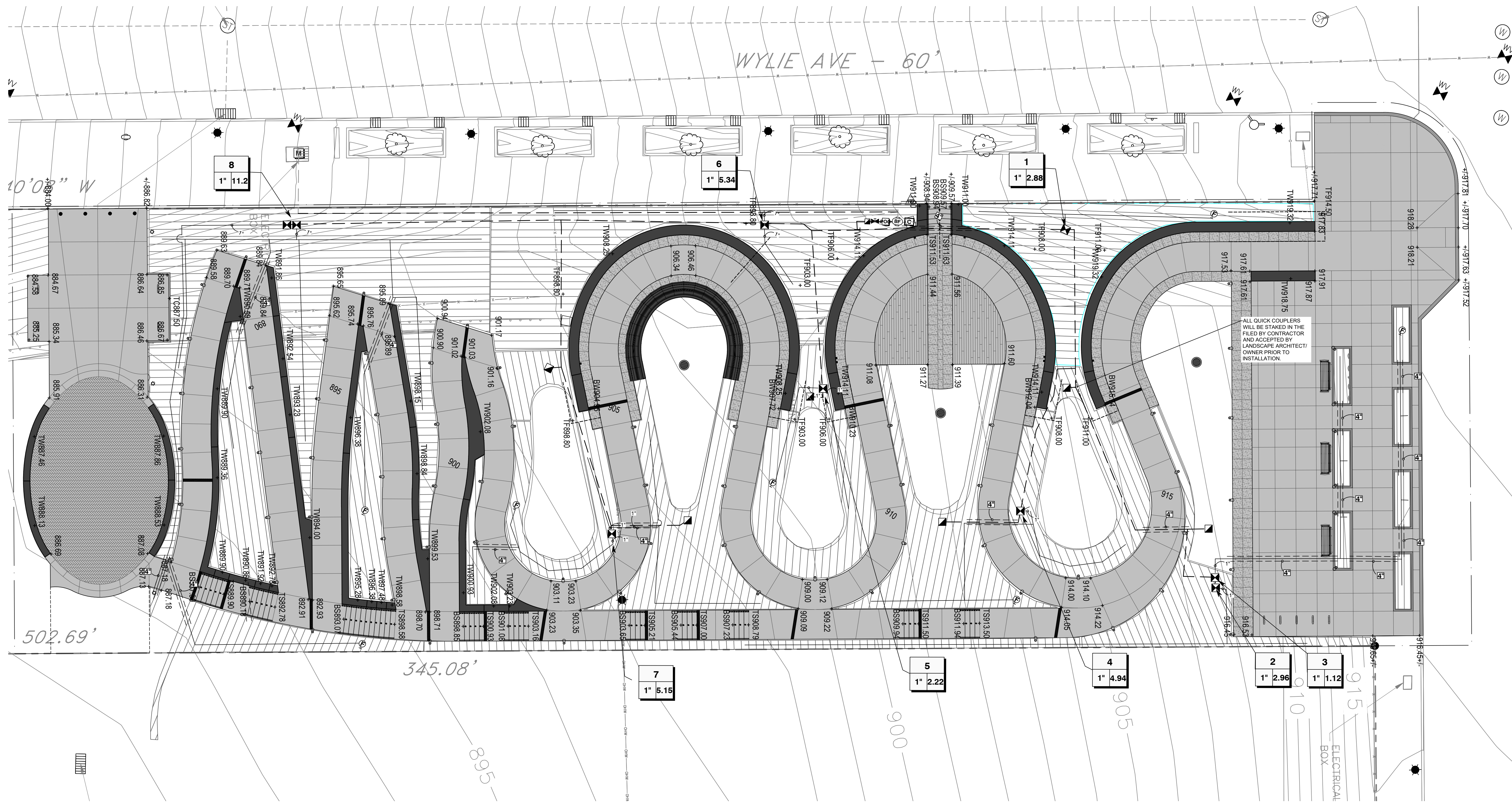
Submission:

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Sheet Number:

L606

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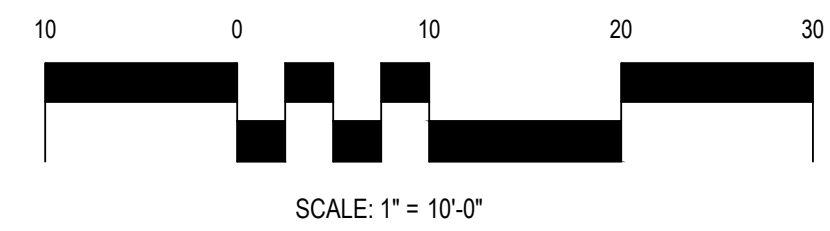


# IRRIGATION PLAN

SCALE: 1"=10'-0"

### IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL	SYMBOL	MANUFACTURER/MODEL
	Rain Bird XCZPGA-100-PRF 1"		Irrigation Lateral Line: PVC Class 200 SDR 21 1"
	Netafim TLSOV Flush Valve		Irrigation Mainline: PVC Class 200 SDR 21 1"
	Area to Receive Dripline TLCV 06-18-xxx		Pipe Sleeve: PVC Schedule 40 4"
SYMBOL	MANUFACTURER/MODEL	Valve Callout	
	Rain Bird 5-RC 1" Quick Coupler		Valve Number
	Shut Off Valve		Valve Flow
	1" RPZ Backflow in Enclosure		Valve Size
	Rain Bird ESPLXME2 Controller		
	Rain Bird RSD-BEx Rain Sensor		
	Existing Meter and Meter Vault		
	Point of Connection 1"		



**LBA**  
Landscape  
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95 South Tenth Street  
Pittsburgh, Pennsylvania 15203  
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**HOOD**  
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Lower Hill-Curtain Co  
Pittsburgh, PA

Project Number:  
21020:1  
Drawn by:  
DLB  
Checked by:  
SL  
Date:  
April 28, 2023  
Revisions:

Scale:  
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SCALE: 1"=10'-0"

Sheet Name:  
Irrigation Plan

Submission:  
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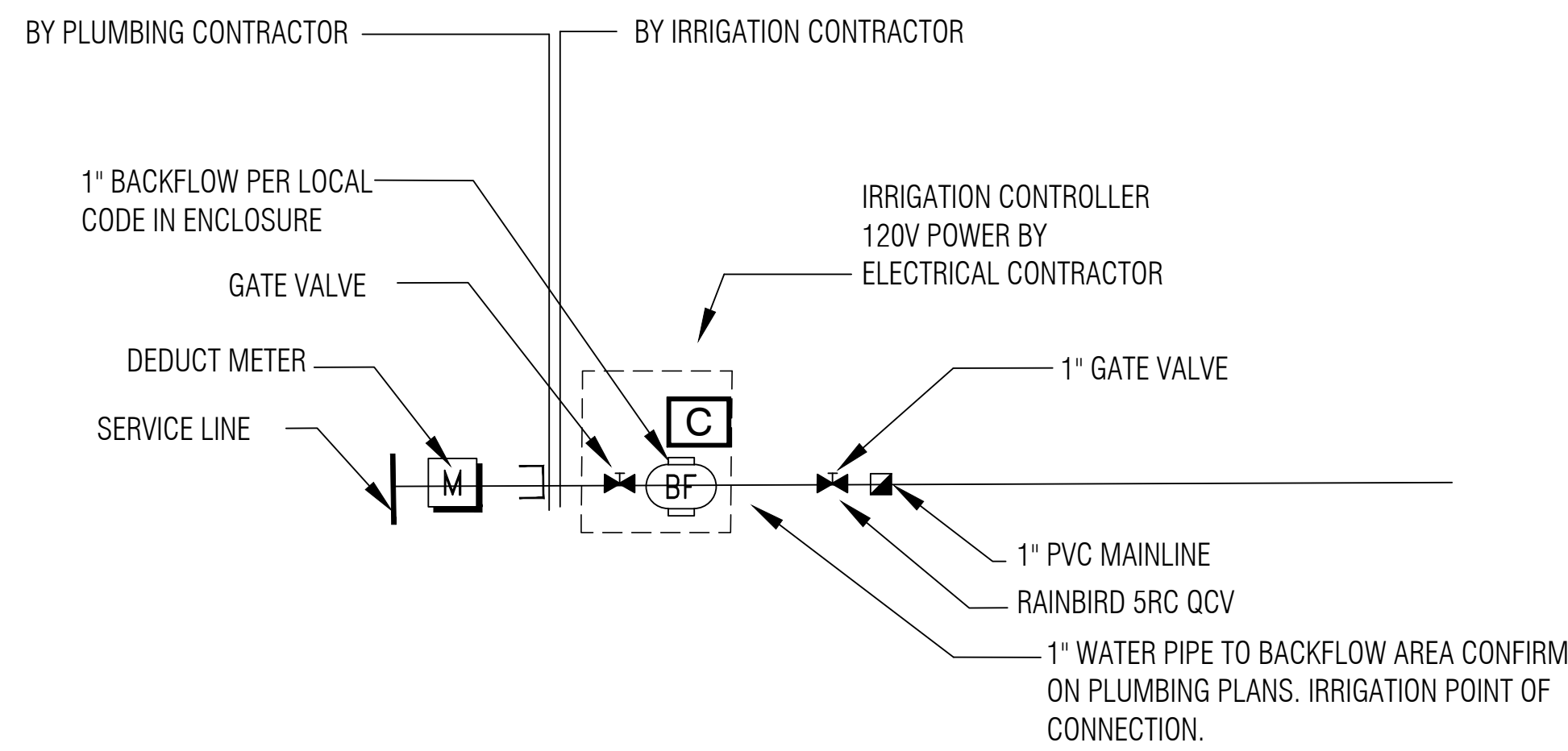
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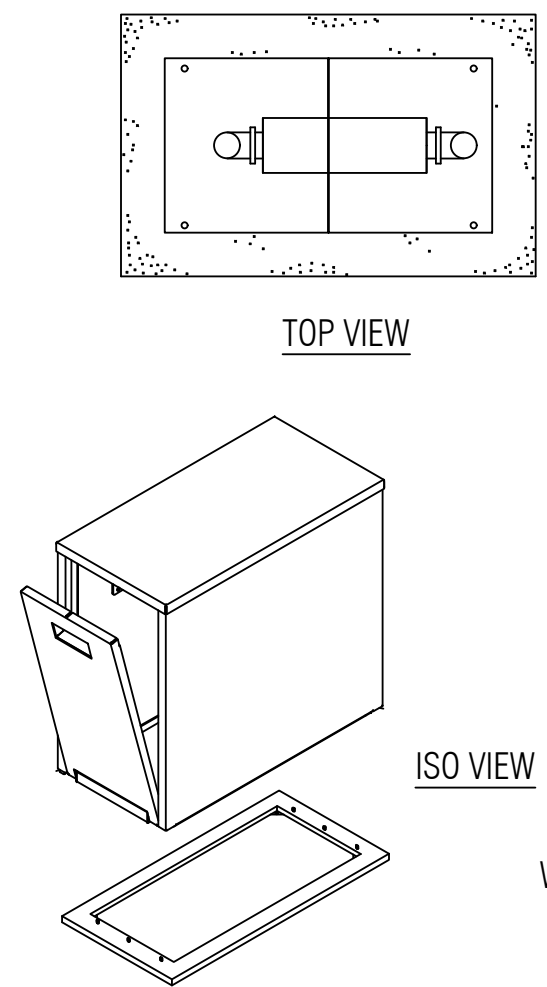
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**WC<sup>3</sup> DESIGN**  
Irrigation Design & Consulting  
www.wc3design.com  
Tel: (844) 231-7042  
Columbus, OH | Louisville, KY  
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**STOP - CALL BEFORE YOU DIG!**  
PENNSYLVANIA LAW REQUIRES  
THREE WORKING DAYS NOTICE  
PENNSYLVANIA ONE CALL SYSTEM, INC.  
 1-800-242-1776

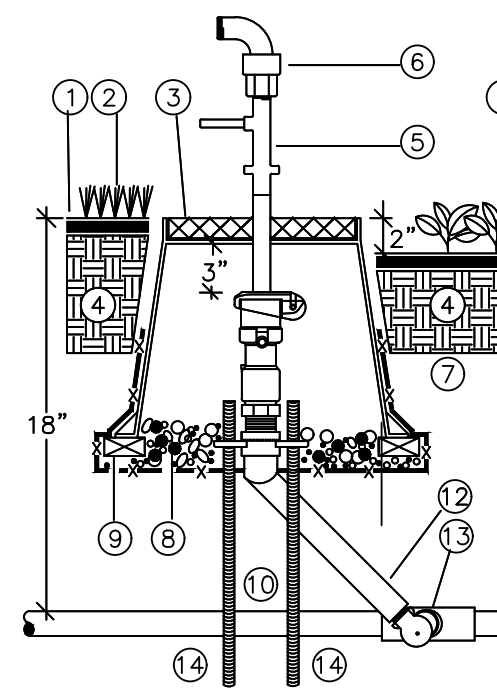


**1 POINT OF CONNECTION**  
NOT TO SCALE



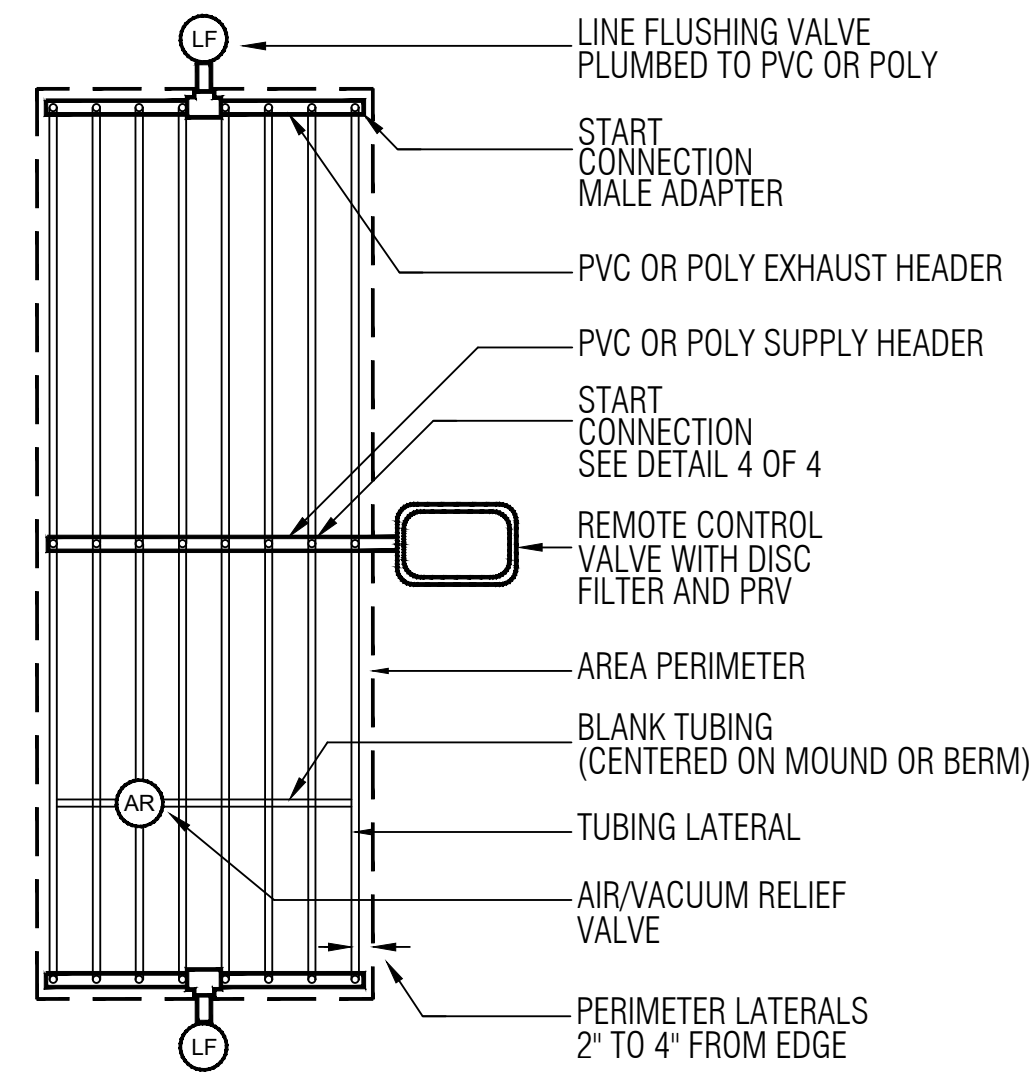
**2 BACKFLOW ENCLOSURE**  
NOT TO SCALE

QCV RAINBIRD MODEL # 5-RC, KEY# 55-K, HOSE SWIVEL # SH-2

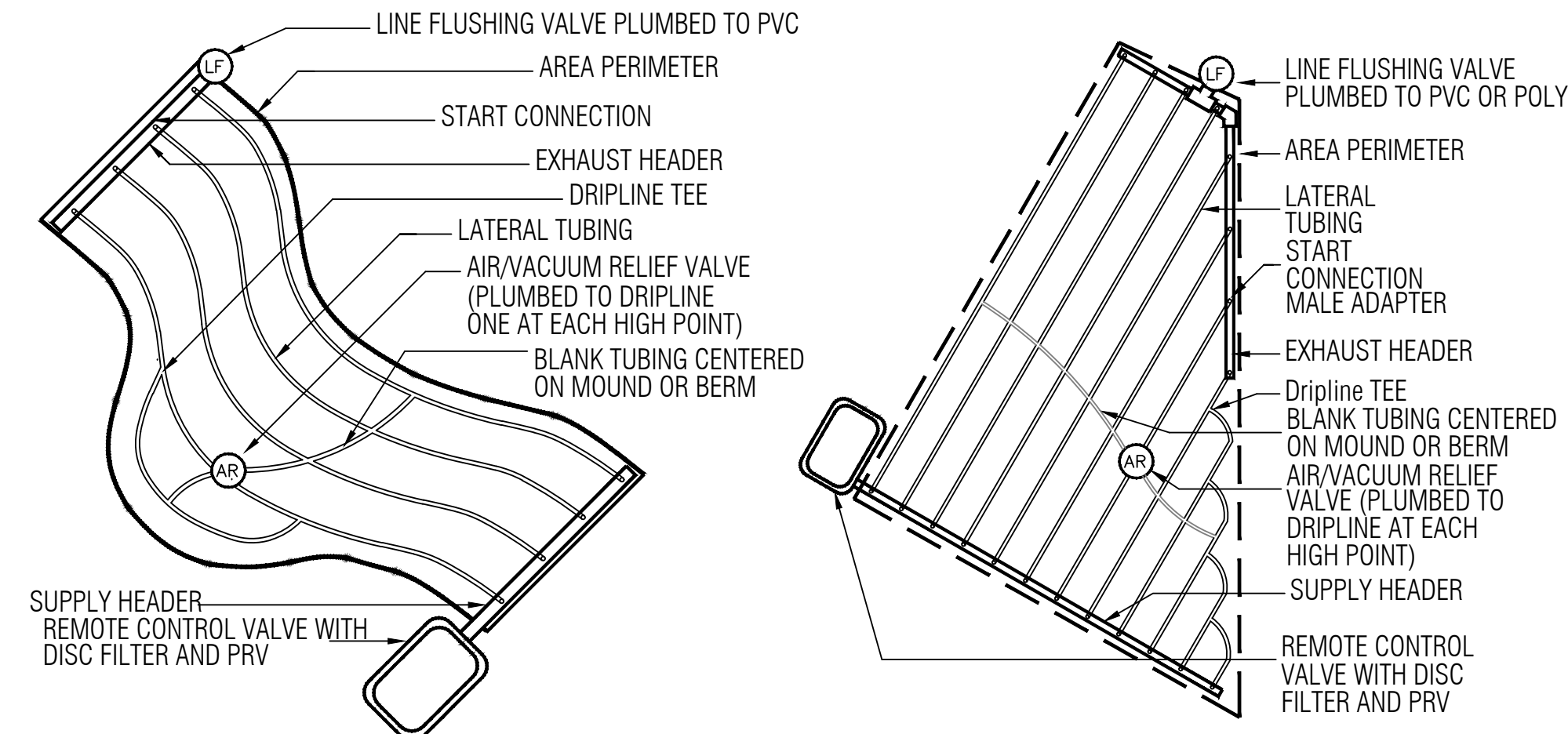


- 1 FINISH GRADE
- 2 PLANT MATERIAL OR TURF
- 3 VALVE BOX, 10" RND
- 4 CLEAN SOIL, AMENDED/NATIVE FREE OF ROCK AND DEBRIS
- 5 QUICK COUPLER KEY, #55-K,
- 6 Q.C. HOSE SWIVEL, # SH-2,
- 7 QUICK COUPLER VALVE 5-RC,
- 8 3/4" CRUSHED ROCK
- 9 BRICK SUPPORTS 1 OF 4
- 10 MAINLINE, CL200 PVC PRESSURE PIPE, SIZE PER PLAN.
- 11 SWING JOINT 1" SIZE PER QUICK COUPLER VALVE INLET.
- 12 TEE OR ELBOW, PVC SCH 40, SIZE PER PLAN.
- 13 REBAR, 1/2"x30".

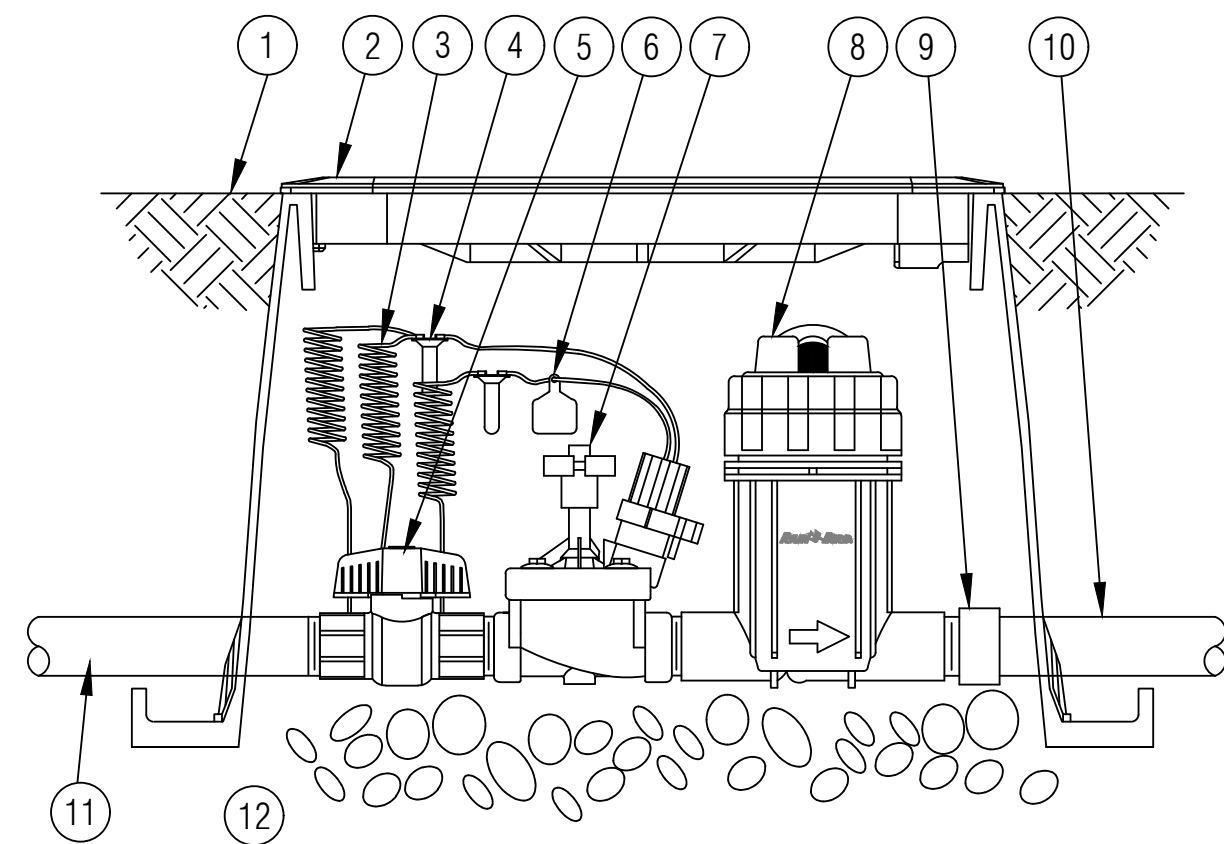
**3 QUICK COUPLER VALVE**  
NOT TO SCALE



**4 DRIPLINE INSTALLATION**  
NOT TO SCALE

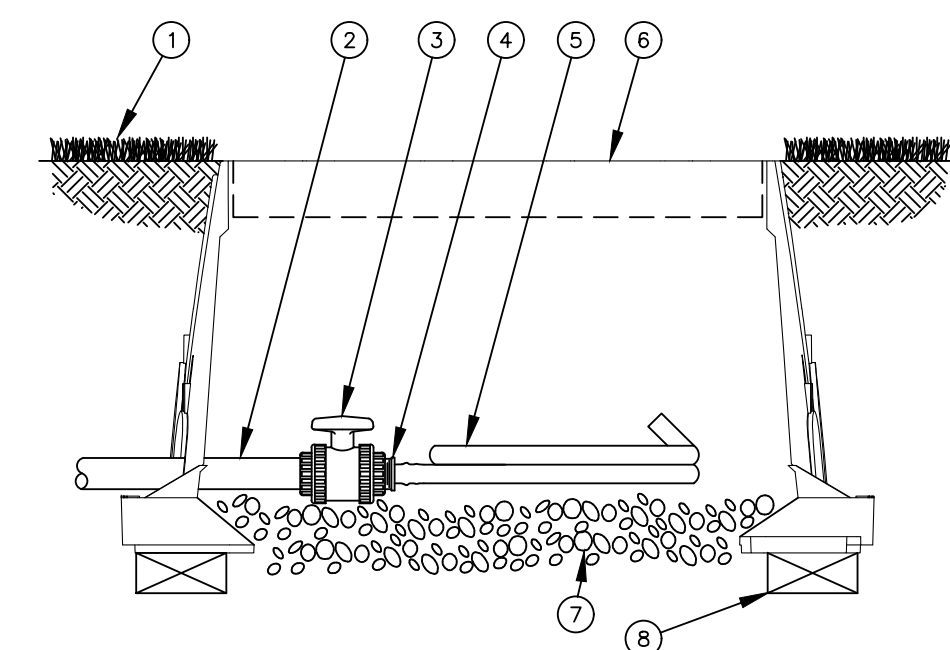


**6 FLUSH VALVE**  
NOT TO SCALE



- 1 FINISH GRADE/TOP OF MULCH
- 2 VALVE BOX WITH COVER: RAIN BIRD VB-STD
- 3 30-INCH LINEAR LENGTH OF WIRE, COILED
- 4 WATERPROOF CONNECTION:
- 5 1-INCH BALL VALVE
- 6 ID TAG
- 7 REMOTE CONTROL VALVE: RAIN BIRD PESB (INCLUDED IN XCZPGA-100-PRF KIT)
- 8 PRESSURE REGULATING QUICK CHECK BASKET FILTER: RAIN BIRD PRB-QKCHK-100 (INCLUDED IN XCZPGA-100-PRF KIT)
- 9 PVC SCH 40 FEMALE ADAPTOR
- 10 LATERAL PIPE
- 11 MAINLINE PIPE
- 12 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

**5 DRIP ZONE VALVE KIT**  
NOT TO SCALE



- 1 FINISH GRADE/TURF
- 2 PVC DRIP MANIFOLD PIPE
- 3 PVC 1" X 3/4" TRUE UNION BALL VALVE
- 4 EASY FIT MIPT X BARB ADAPTER: RAIN BIRD XFD-MA-075
- 5 LANDSCAPE DRIPLINE TUBING: RAIN BIRD XF SERIES BLANK TUBING
- 6 12-INCH VALVE BOX WITH COVER: RAIN BIRD VB-STD
- 7 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 8 BRICK (1 OF 2)

**IRRIGATION GENERAL NOTES**

1. THE IRRIGATION SYSTEM IS DIAGRAMMATIC BASED UPON THE INFORMATION PROVIDED BY THE OWNER OR THE OWNER'S REPRESENTATIVE. THE SUCCESSFUL CONTRACTOR IS RESPONSIBLE TO INSTALL A SYSTEM THAT WILL PROPERLY COVER ALL AREAS INDICATED ON THE DESIGN. ACTUAL LAYOUT OF PIPING, SPRINKLER HEADS, VALVES, CONTROLLERS AND OTHER RELATED EQUIPMENT SHALL BE DETERMINED ON SITE. FIELD CHANGES SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. IRRIGATION CONTRACTOR MUST BE FULLY AWARE OF THE EXISTING CONDITIONS PRIOR TO BIDDING. SITE WILL BE MADE AVAILABLE FOR INSPECTION. COORDINATE WITH LA.

IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, STRUCTURES AND UTILITIES AND MAKE THE NECESSARY ADJUSTMENTS TO ACCOMMODATE THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS. THERE MAY BE TIMES WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADES OR DIMENSIONS THAT EXIST MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING, SUCH OBSTRUCTIONS SHOULD BE BROUGHT TO THE ATTENTIONS OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND COSTS THAT OCCUR.

2. THIS SYSTEM SHALL BE INSTALLED USING ACCEPTED AND QUALITY INSTALLATION STANDARDS AS USED IN THE INDUSTRY. ALL MANUFACTURERS SPECIFICATIONS WILL BE FOLLOWED.

3. LATERAL LINE PIPING A MIN. OF 12" OF COVER AND MAINLINE SHALL BE A MIN. OF 16"-18" OF COVER. ALL BACKFILL SURROUNDING THE PIPE SHALL BE CLEANED OF MATERIALS LARGER THAN 1" IN SIZE.

4. THERE WILL BE NO SUBSTITUTIONS OR CHANGES TO THE IRRIGATION DESIGN ALLOWED WITHOUT DIRECT, WRITTEN APPROVAL FROM THE IRRIGATION CONSULTANT OR LANDSCAPE ARCHITECT.

5. SYSTEM DESIGN IS BASED ON PRESSURE AND FLOW INFORMATION PROVIDED BY OTHERS. STATIC PRESSURE WAS GIVEN AS 65-70 PSI AND THE SIZE OF THE P.O.C. IS AS INDICATED ON THE DRAWING. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURES PRIOR TO CONSTRUCTION. REPORT DIFFERENCES BETWEEN REQUIREMENTS AND THE ACTUAL READINGS TO THE OWNER'S REPRESENTATIVE.

6. PIPING SHOWN IN PAVED AREA WITHOUT PLANTED IS DIAGRAMMATIC AND SHALL BE LOCATED INSIDE OF THE PLANTED AREA OR TURF AREA APPROXIMATELY 1' FROM ANY HARDSCAPE.

7. ALL VALVES SHALL BE PLACED IN THE APPROXIMATE AREA AS SHOWN ON THE PLANS.

8. IRRIGATION CONTRACTOR IS TO LOCATE ALL WATERLINES AND UTILITIES AS NEEDED FOR THE IRRIGATION. ALL INFORMATION IS TO BE VERIFIED PRIOR TO ANY INSTALLATION OF THE PROJECT.

9. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL CLEAN UP ASSOCIATED WITH HIS WORK.

10. IRRIGATION CONTRACTOR SHALL ALL PROVIDE THE FIRST WINTERIZATION, SPRING TURN ON, HEAD ADJUSTMENTS AND CONTROLLER MAINTENANCE IN BID.

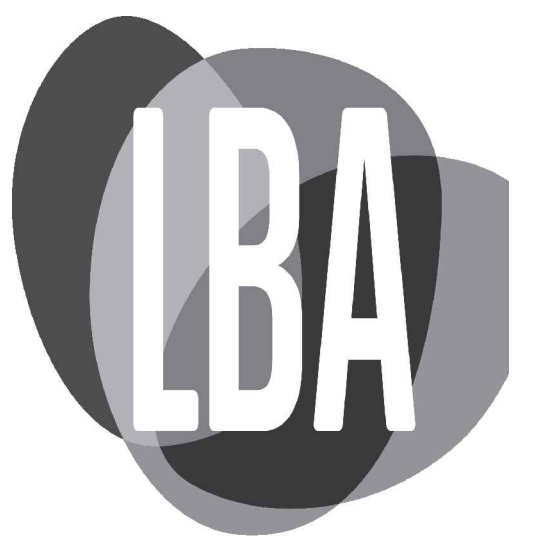
11. ALL UNSIZED PIPE TO BE 1" PVC.

Inlet Pressure psi	DRIPLINE MAX DISTANCES					
	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (GPH)	Nominal Flow (GPH)	Nominal Flow (GPH)	Nominal Flow (GPH)	Nominal Flow (GPH)	Nominal Flow (GPH)
15	0.6	0.9	0.6	0.9	0.6	0.9
20	255	194	357	273	448	343
30	291	220	408	313	514	394
40	350	266	494	378	622	478
50	396	302	560	428	705	541
	434	333	614	470	775	594

**NOTES:**

1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON NETAFIM WEB SITE (WWW.NETAFIM.COM) FOR SUGGESTED SPACING.

2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.



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Pittsburgh, PA



Project Number:  
21020:1  
Drawn by:  
DLB  
Checked by:  
SL  
Date:  
April 28, 2023  
Revisions:

Scale:  
as noted

Sheet Name:  
**Irrigation Notes & Details**  
Submission:  
100% Construction Documents  
Sheet Number:

11.2

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Lower Hill-Curtain Call  
Pittsburgh, PA

Project Number:  
21020-1  
Drawn by:  
MEL  
Checked by:  
JRV  
Date:  
April 28, 2023

Revisions:

Scale:

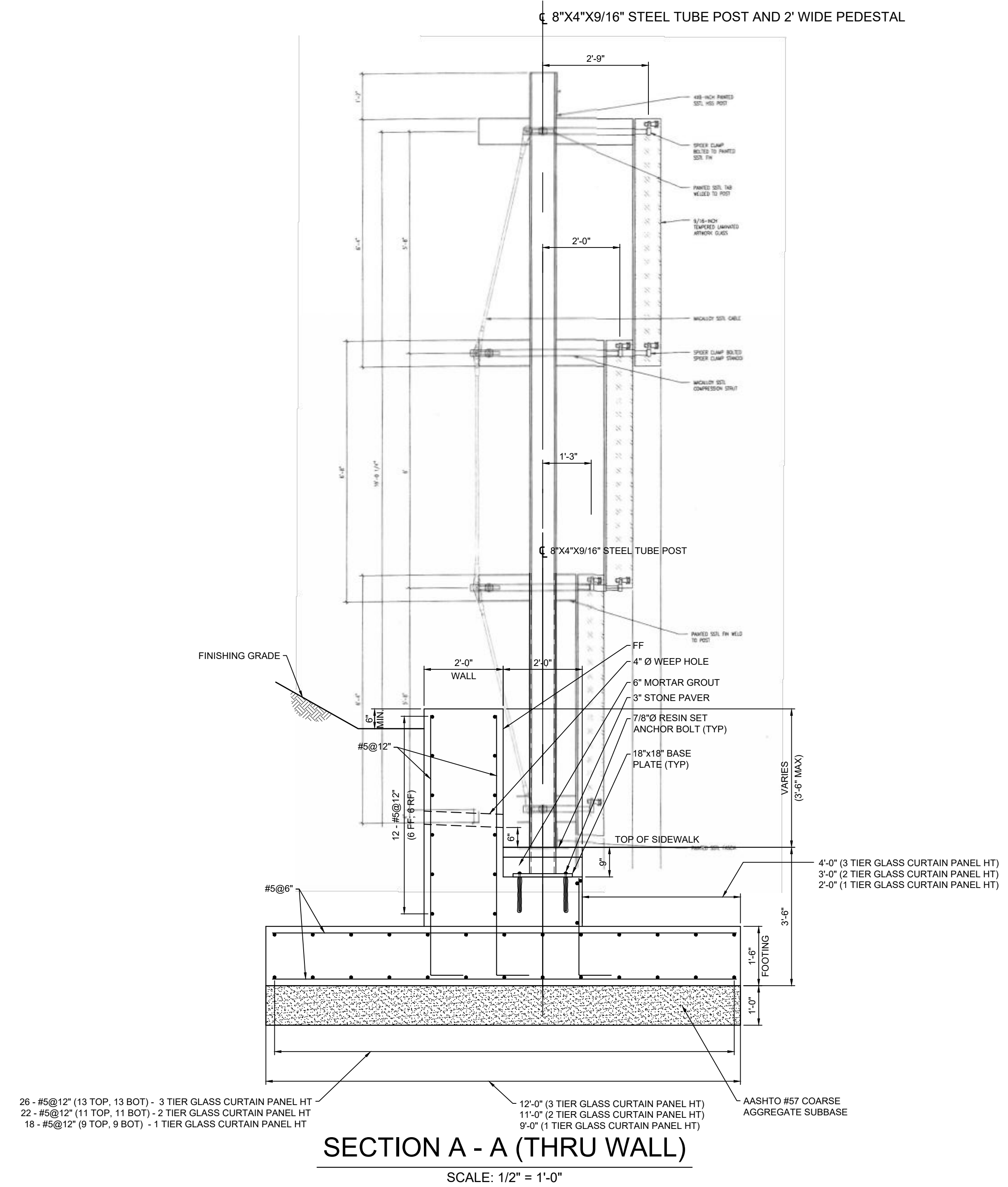
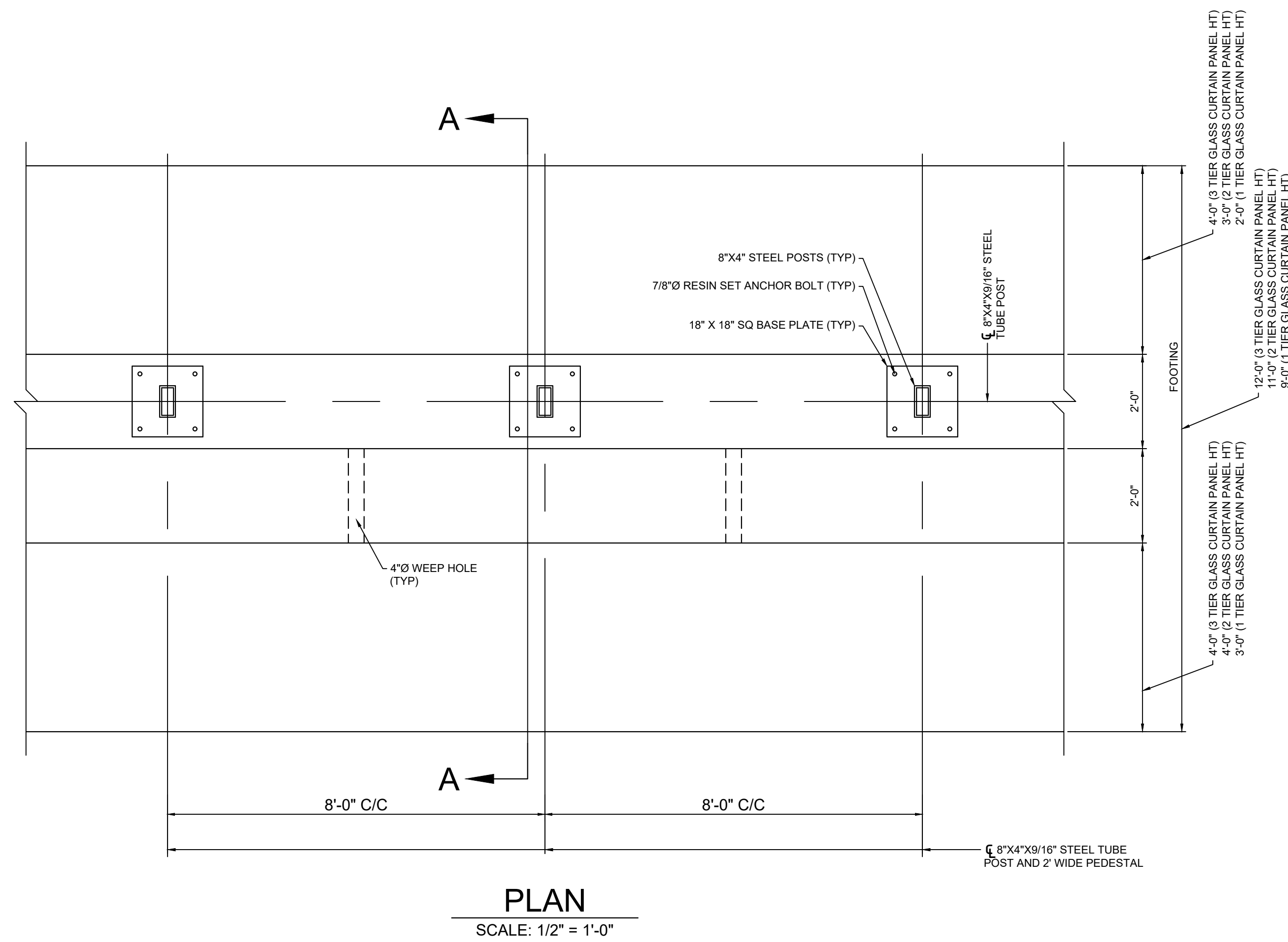
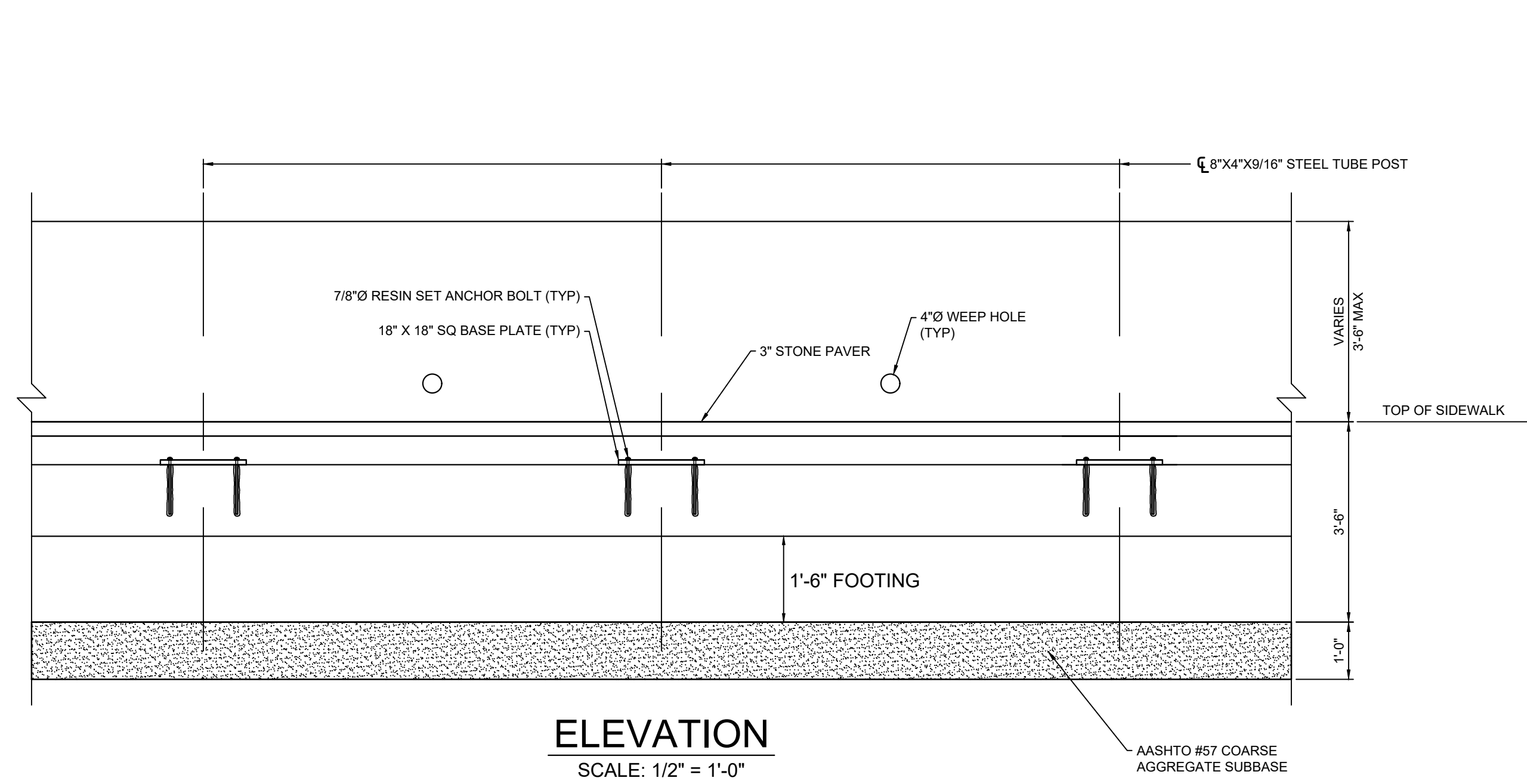
Sheet Name:  
STRUCTURE FOUNDATION  
PLAN, ELEVATION, AND  
SECTION  
Submission:

100% Construction Documents

Sheet Number:

S-100

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Pittsburgh, PA

Project Number:  
21020-1  
Drawn by:  
MEL  
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JRV  
Date:  
April 28, 2023

Revisions:

Scale:

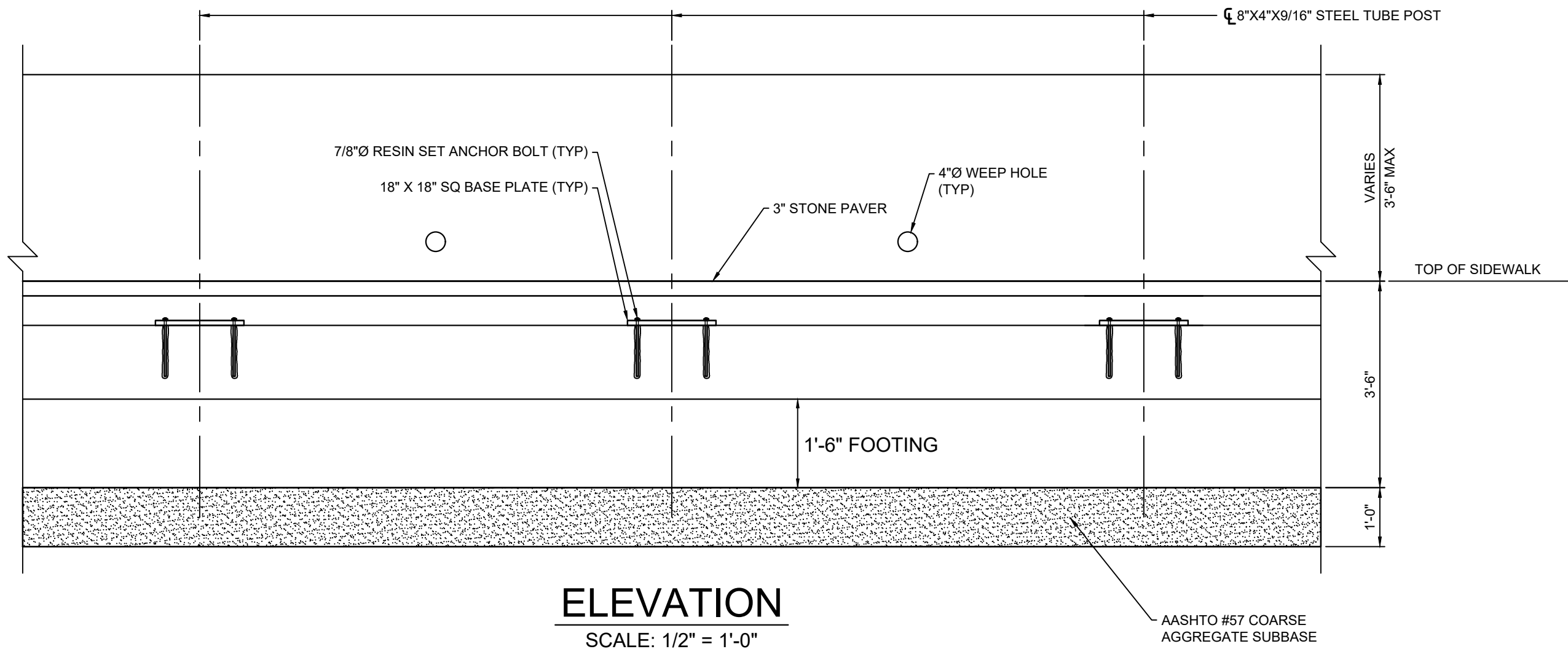
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STRUCTURE FOUNDATION  
DETAILS

Submission:  
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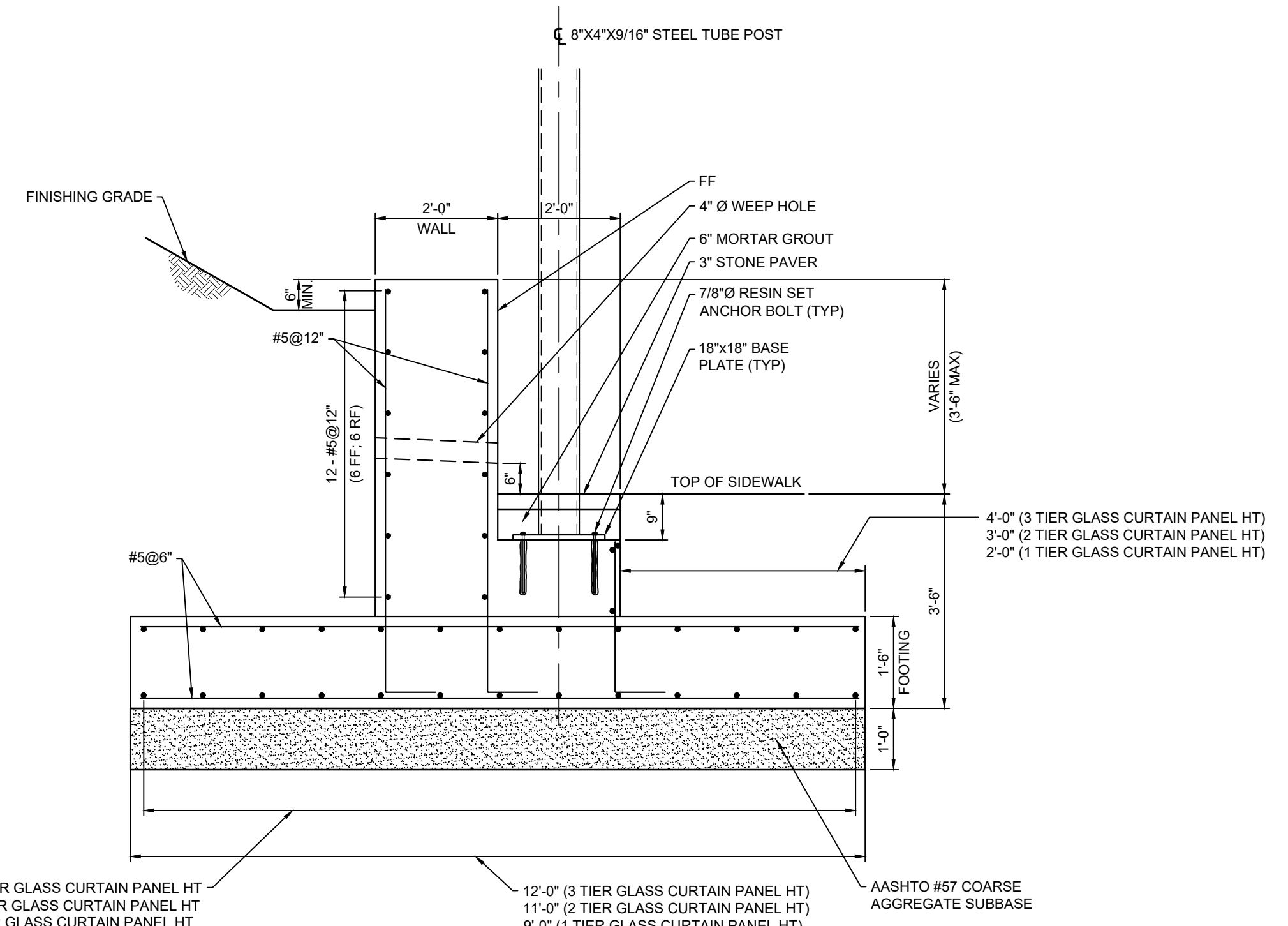
Sheet Number:

S-101

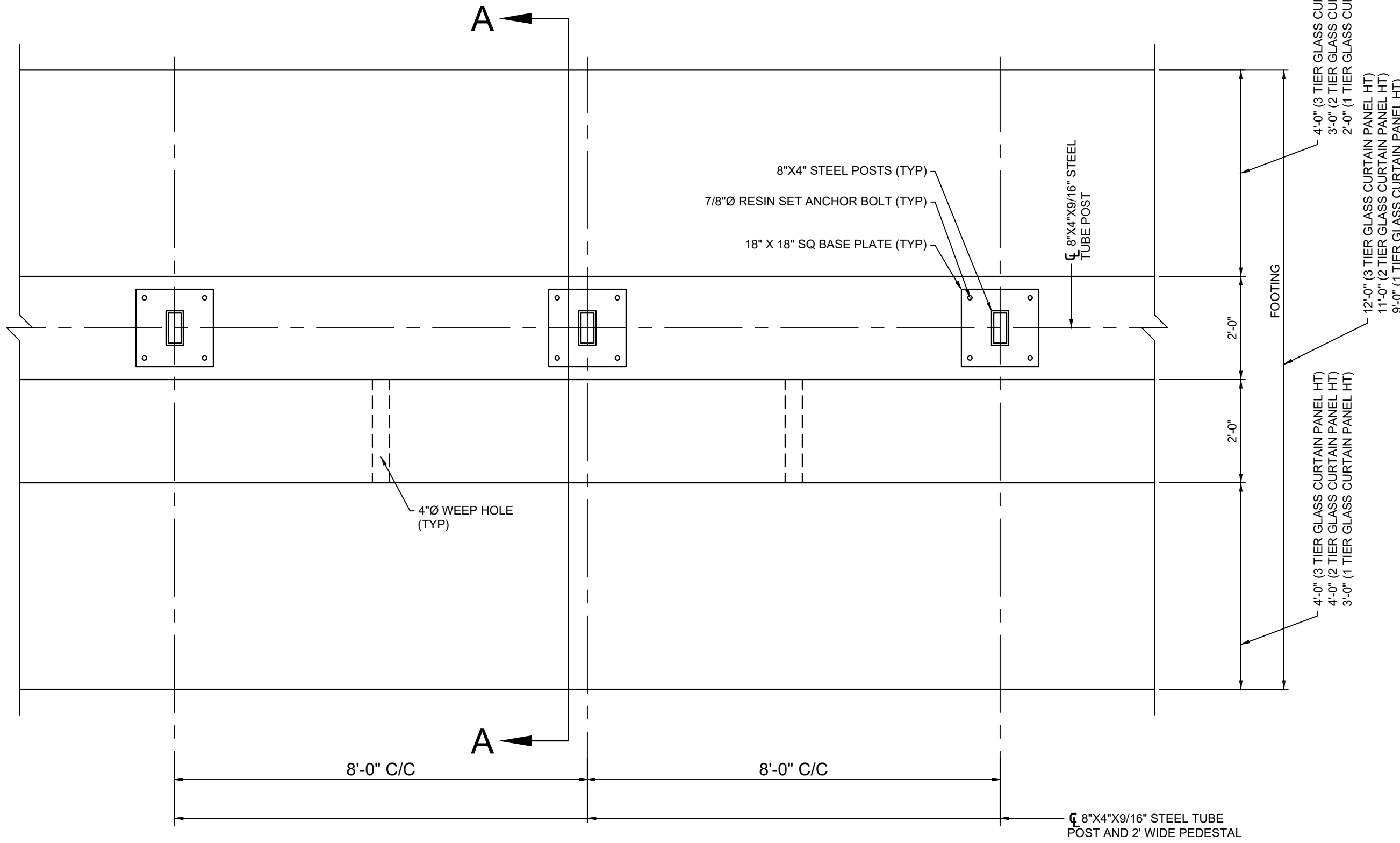
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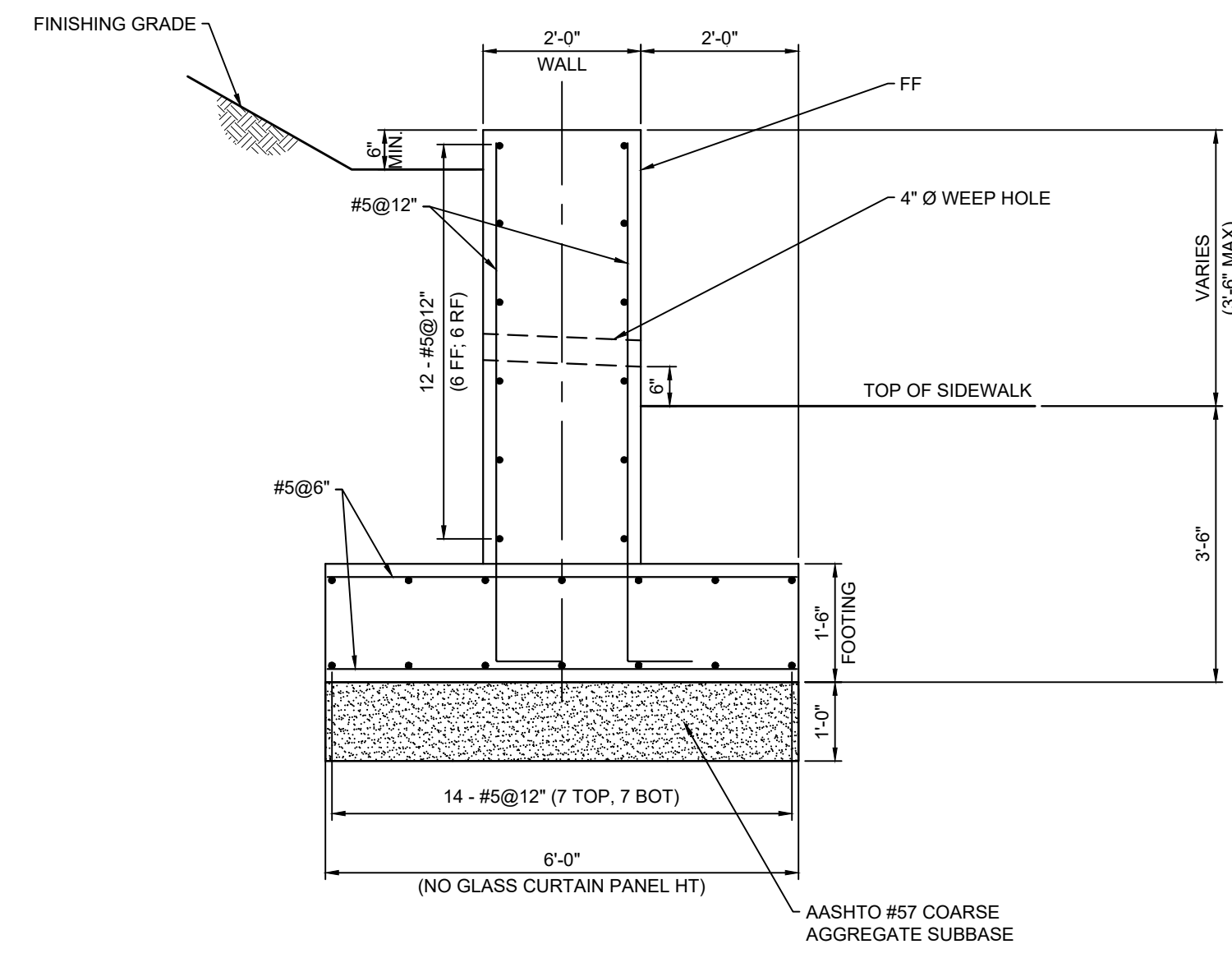
ELEVATION  
SCALE: 1/2" = 1'-0"



SECTION A - A (THRU WALL)  
SCALE: 1/2" = 1'-0"

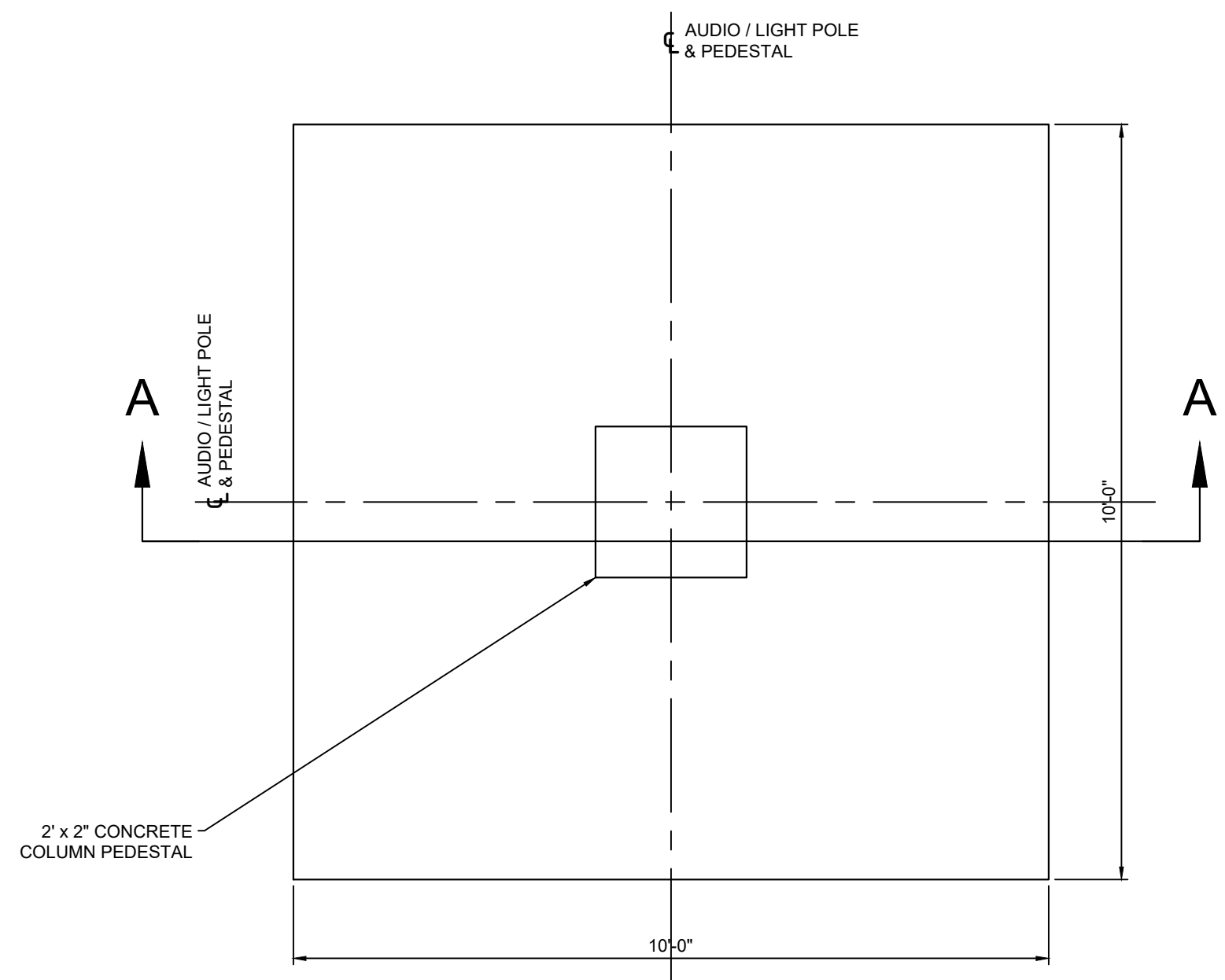


PLAN  
SCALE: 1/2" = 1'-0"

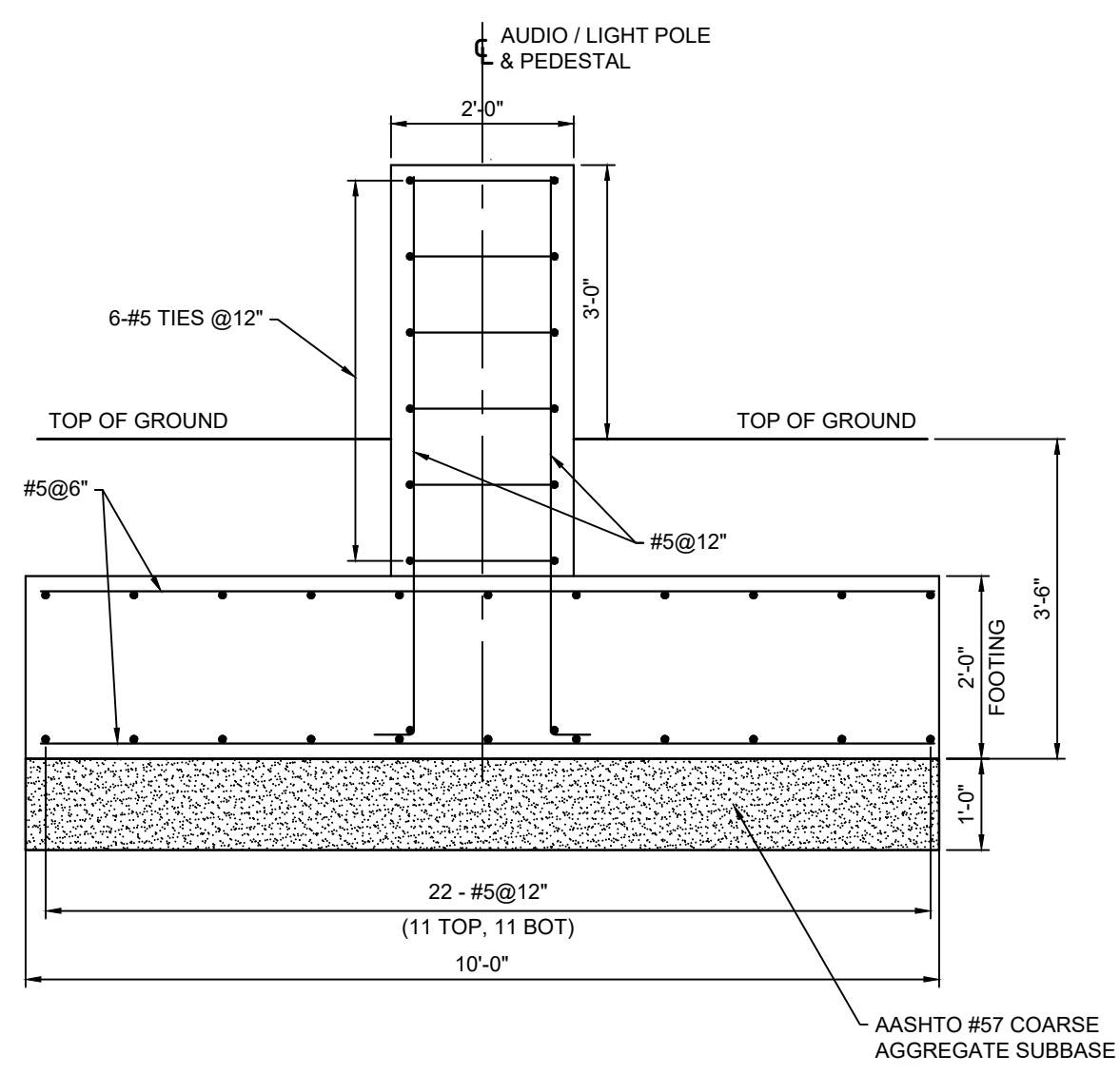


SECTION A - A (THRU WALL)  
BEYOND CURTAIN ENDS  
SCALE: 1/2" = 1'-0"

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**LIGHT POLE FOUNDATION PLAN**  
SCALE: 1/2" = 1'-0"



**SECTION A-A  
(THRU FOUNDATION)**  
SCALE: 1/2" = 1'-0"



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Project Number:  
21020-1  
Drawn by:  
MEL  
Checked by:  
JRV  
Date:  
April 28, 2023

Revisions:

Scale:

Sheet Name:  
**AUDIO AND LIGHTING  
FOUNDATION DETAILS**

Submission:  
**100% Construction Documents**

Sheet Number:

**S-102**

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STRUCTURAL NOTES:

GENERAL

1. AT NO ADDITIONAL COST TO THE OWNER, CONTRACTOR SHALL VISIT AND EXAMINE THE SITE TO FULLY UNDERSTAND ALL THE CONDITIONS PERTAINING TO THE SCOPE OF WORK, UNDERSTAND DIFFICULTIES TO BE ENCOUNTERED AND MATERIALS REQUIRED FOR THE COMPLETE INSTALLATION OF THE WORK SHOWN IN THE BIDDING/ CONTRACT DOCUMENTS. CONTRACTOR SHALL MODIFY LAYOUT WITH THE APPROVAL OF THE ENGINEER WHERE REQUIRED TO CLEAR UNFORESEEN OBSTRUCTIONS AT NO ADDITIONAL COST TO THE OWNER.
2. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE STATE STATUTES AND U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS (OSHA). COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE. THE CONTRACTOR ALONE WILL BE RESPONSIBLE FOR THE EXECUTION OF THE WORK IN ACCORDANCE WITH ALL APPLICABLE HEALTH AND SAFETY REQUIREMENTS. THE ENGINEER SHALL NOT INSPECT THE WORK OR THE METHODS OF CONSTRUCTION FOR COMPLIANCE WITH THESE REQUIREMENTS.
3. COORDINATE WITH OWNER FOR APPROVAL OF ANY CONSTRUCTION RELATED UTILITY SYSTEMS INTERRUPTIONS OR OUTAGES. SHUTDOWN OF OPERATING EQUIPMENT REQUIRED TO FACILITATE CONTRACTORS WORK WILL BE DONE BY OWNER ONLY.
4. ALL DIMENSIONS ARE TO BE VERIFIED EITHER BY FIELD MEASUREMENTS FOR EXISTING STRUCTURES OR BY SHOP DRAWINGS FOR EQUIPMENT FURNISHED. STRUCTURAL DIMENSIONS NOT SHOWN BUT CONTROLLED BY OR RELATED TO EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR WITH THE MANUFACTURER PRIOR TO CONSTRUCTION.
5. IF A CONFLICT IS FOUND BETWEEN DIFFERENT PORTIONS OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. CONTINUED CONSTRUCTION OF THE AREA IN CONFLICT SHALL BE AT THE CONTRACTOR'S OWN RISK UNTIL THE CONFLICT IS RESOLVED BY THE ENGINEER.
6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFE ERECTION OF ALL STRUCTURES AND IS TO PROVIDE ALL NECESSARY BRACING AND SUPPORTS.
7. ALL NEW CONSTRUCTION MATERIALS SHALL HAVE A MINIMUM TWO-HOUR FIRE RATING.
8. STRUCTURAL DESIGN SPECIFICATIONS
  - INTERNATIONAL BUILDING CODE (IBC)
  - CITY OF PITTSBURGH BUILDING STANDARDS AND ORDINANCES
  - AISC MANUAL OF STEEL CONSTRUCTION ALLOWABLE STRESS DESIGN
  - ACI318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
  - AWS D1.1 M/D1.1 STRUCTURAL WELDING CODE - STEEL
9. DESIGN WIND LOAD OF 12.8 PSF (WIND VELOCITY OF 90 MPH WITH 3-SECOND GUSTS)
10. PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUBLICATION 408/2011 AND CONTRACT SPECIFICATIONS.

CONCRETE

1. PROVIDE 2 INCHES CONCRETE COVER ON REINFORCEMENT BARS, EXCEPT AS NOTED.
2. USE PENNDOT CLASS AA CEMENT CONCRETE ( $f'_c = 4,000$  PSI) IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 301, PRODUCED AND TRANSPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C94.
3. A HIGHER-CLASS CONCRETE MAY BE SUBSTITUTED FOR A LOWER-CLASS CONCRETE AT NO ADDITIONAL COST TO THE OWNER.
4. PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF ASTM A 615, A996 OR A706. DO NOT WELD GRADE 60 REINFORCING STEEL BARS UNLESS SPECIFIED. GRADE 40 REINFORCING STEEL BARS MAY BE SUBSTITUTED WITH A PROPORTIONAL INCREASE IN CROSS-SECTIONAL AREA. DO NOT USE RAIL STEEL ASTM A996 REINFORCING BARS WHERE BENDING OR WELDING OF THE REINFORCEMENT BARS IS INDICATED.
5. USE EPOXY-COATED REINFORCING BARS UNLESS INDICATED OTHERWISE.
6. RAKE-FINISH ALL HORIZONTAL CONSTRUCTION JOINTS, EXCEPT AS INDICATED.
7. CHAMFER EXPOSED CONCRETE EDGES 1 INCH BY 1 INCH, EXCEPT AS NOTED.
8. ALL DIMENSIONS SHOWN ARE HORIZONTAL EXCEPT AS NOTED.
9. DIMENSIONS SHOWN ARE FOR A NORMAL TEMPERATURE OF 68 DEGREES FAHRENHEIT.

STRUCTURAL STEEL

1. STEEL ERECTOR SHALL REVIEW AND UTILIZE SHOP AND ERECTION DRAWINGS PREPARED BY THE FABRICATOR, AND FURNISH ANY ANCHOR BOLTS AND/OR EMBEDMENTS NOT FURNISHED WITH THE FABRICATED STEEL PRE-PURCHASED BY THE OWNER.
2. STRUCTURAL STEEL SHALL BE IN CONFORMANCE WITH ASTM A709 GRADE 50 ( $F_y = 50$  KSI), UNLESS OTHERWISE DESIGNATED ON THE DRAWINGS.
3. STRUCTURAL STEEL TUBING SHALL BE IN CONFORMANCE WITH ASTM A500, GRADE B, UNLESS OTHERWISE DESIGNATED ON THE DRAWINGS.
4. BOLTS IN STRUCTURAL STEEL CONNECTIONS SHALL BE ASTM A325 UNLESS OTHERWISE DESIGNATED ON THE DRAWINGS.
5. ANCHOR BOLTS SHALL BE IN CONFORMANCE WITH ASTM F1554, 55 KSI YIELD STRENGTH, UNLESS OTHERWISE DESIGNATED ON THE DRAWINGS.
6. THREADED RODS SHALL BE STAINLESS STEEL IN CONFORMANCE WITH ASTM F593, GRADE 304, UNLESS OTHERWISE DESIGNATED ON THE DRAWINGS.
7. USE E-70XX ELECTRODES FOR WELDING WHICH SHALL BE PERFORMED IN CONFORMANCE WITH AWS D 1.1 M/D 1.1.
8. PRIOR TO PLACING WELD, THOROUGHLY CLEAN ALL PORTIONS OF ALL SURFACES TO RECEIVE WELDS OF ALL FOREIGN MATTER, INCLUDING PAINT FILM, FOR A DISTANCE OF 2 INCHES FROM EACH SIDE OF THE OUTSIDE LINES OF THE WELD.
9. TACK WELDS SHALL BE MADE WITH THE SAME TYPE OF ELECTRODE AND INCORPORATE IN THE FINAL WELD. NO OTHER TACK WELDING WILL BE PERMITTED.
10. STRUCTURAL STEEL SHALL BE GALVANIZED IN CONFORMANCE WITH ASTM A153.



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Project Number:  
21020-1  
Drawn by:  
MEL  
Checked by:  
JRV  
Date:  
April 28, 2023

Revisions:

Scale:

Sheet Name:  
STRUCTURAL NOTES

Submission:  
100% Construction Documents

Sheet Number:

S-103

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**GENERAL NOTES:**

- CONSTRUCTION DETAILS NOT SHOWN ON THE DRAWINGS ARE TO CONFORM TO PA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS: RC-80M DATED JUNE 1, 2010 RC-84M DATED JUNE 1, 2010
- THE STANDARD SPECIFICATIONS FOR THIS PROJECT ARE PA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUBLICATION 408/2020, AND ALL OF ITS SUPPLEMENTS AND SPECIAL PROVISIONS.
- COORDINATE METERED ELECTRIC SERVICE WITH DUQUESNE LIGHT COMPANY. CONTACT JIM SLOSS, 469 HERSHEY ROAD, PITTSBURGH, PA 15234 412-393-7814
- PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR WITH ALL CIRCUITS. DO NOT CONNECT THE NEUTRAL TO GROUND. CONNECT THE EQUIPMENT GROUNDING CONDUCTOR TO EACH POLE. PROVIDE WITH THE SAME INSULATION AND SIZE AS THE CIRCUIT CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS INCLUDED WITH THE CIRCUIT ITEM QUANTITIES;
- PROVIDE HEAT SHRINK SPLICES IN JUNCTION BOXES THAT CANNOT BE PROVIDED WITH POSITIVE DRAINAGE.
- ALL WORK TO BE PERFORMED AS REQUIRED BY APPLICABLE SECTION OF THE NATIONAL ELECTRIC CODE, LATEST EDITION, AND ALL GOVERNING LOCAL CODES, LAWS, AND/OR REGULATIONS.
- SYSTEM AND EQUIPMENT GROUNDING CONTINUITY TO BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND AS SHOWN ON PLANS.
- DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL DETAILS OF EXISTING CONSTRUCTION, MOUNTING, WIRING AND RACEWAYS. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO INSTALLATION. CONTRACTOR WILL COORDINATE ALL WORK WITH OTHER DIVISION TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. LOCATE ALL FIXTURES, DEVICES, ETC. IN ORDER TO AVOID INTERFERENCES.
- DO NOT SCALE DRAWINGS. UTILITY LOCATIONS ARE BASED ON EXISTING MAPPING. VERIFY UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION OF TRENCHING AND POLE FOUNDATIONS.
- THE CONTRACTOR SHALL WORK IN STRICT COORDINATION WITH LOCAL UTILITY COMPANIES TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES PRIOR TO COMMENCEMENT OF THIS WORK. ALL DAMAGES INCURRED TO EXISTING UTILITIES WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL PAYMENT. PER ACT 187, MAINTAIN A MINIMUM 18" CLEARANCE FROM ALL UNDERGROUND UTILITIES.
- PROVIDE PULL BOX WHERE REQUIRED FOR EACH CONDUIT RUN TO LIMIT THE NUMBER OF BENDS TO 270° INCLUDING CONDUIT OFFSETS. INSTALL EXPANSION/DEFLECTION OF FITTINGS EVERY 150-FEET OF THE CONDUIT RUN.
- WHERE DISSIMILAR METALS COME INTO CONTACT, PAINT THE JOINT INSIDE AND OUT WITH APPROVED COATING TO EXCLUDE MOISTURE FROM THE JOINT OR PROVIDE SUITABLE INSULATING BARRIERS SEPARATING THE METALS.
- THREE WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC. PHONE NUMBER IS 1-800-242-1776. SERIAL NUMBERS \_\_\_\_\_, \_\_\_\_\_, CITY OF PITTSBURGH.

**ABBREVIATIONS:**

C	CONDUIT
DBC	DIRECT BURIAL CONDUIT
DIA	DIAMETER
FT	FOOT/FEET
G/GND	GROUND
JB	JUNCTION BOX
LT	LEFT
MFG	MANUFACTURER
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OCT	OCTAGONAL
OH	OVERHEAD
PROJ	PROJECTION
RT	RIGHT
STA	STATION
TYP	TYP
W/O	WITH OUT

**LEGEND:**

- LED POST TOP LUMINAIRE WITH MATCHING POST, 14' MOUNTING HEIGHT
- LED BOLLARD PATHWAY LUMINAIRE
- ▬ LED UNDER BENCH STRIP LIGHTING
- LED LIGHTED HANDRAIL LUMINAIRE
- REMOTE DRIVER JUNCTION BOX
- ☑ LANDSCAPE JUNCTION BOX
- DIRECT BURIAL CONDUIT (SIZED AS MARKED)
- ☒ LIGHTING POWER SUPPLY ENCLOSURE (PAD MOUNTED)
- ☒ AV ENCLOSURE (POLE MOUNTED)
- SURFACE MOUNT JUNCTION BOX 6"x6"x4" (STAINLESS STEEL WITH NEOPRENE COVER)
- MULTIHEAD LIGHT POLE (REFERENCE ART LIGHTING ASSEMBLY SCHEDULE)
- ▬ LINEAR DOWNLIGHT AT CURTAIN CALL FASCIA (L2)

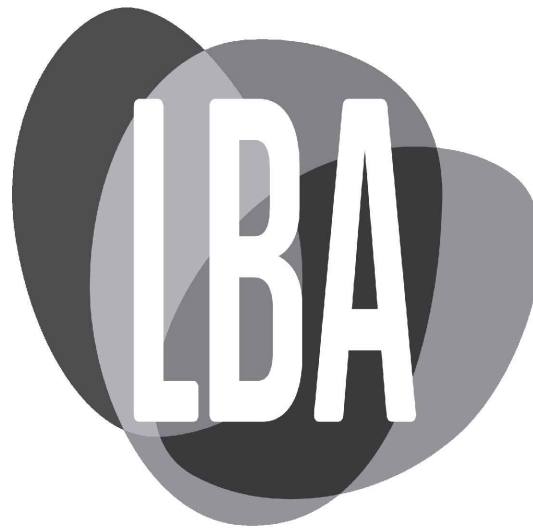
SWITCH/ RELAY	DIMMER MODULE	DESCRIPTION	DIMMING ZONE	LOAD (W)	POWER CIRCUIT	NOTES
1	1	LIGHT TOWER L1C TOP 2 LUMINAIRES	1		"A" - 6, 8	
	2	LIGHT TOWER L1C TOP MIDDLE 2 LUMINAIRES	2			
	3	LIGHT TOWER L1C TOP BOTTOM 2 LUMINAIRES	3			
	4	LIGHT TOWER L1C BOTTOM TOP 2 LUMINAIRES	4			
	5	LIGHT TOWER L1C BOTTOM MIDDLE 2 LUMINAIRES	5			
	6	LIGHT TOWER L1C BOTTOM ROW 2 LUMINAIRES	6			
2	7	LIGHT TOWER L1B TOP ROW 2 LUMINAIRES	7		"A" - 9, 11	
	8	LIGHT TOWER L1B SECOND ROW 2 LUMINAIRES	8			
	9	LIGHT TOWER L1B THIRD ROW 2 LUMINAIRES	9			
	10	LIGHT TOWER L1B BOTTOM ROW 2 LUMINAIRES	10			
3	11	LIGHT TOWER L1A ALL THREE LUMINAIRES	11		"A" - 10	
4	12	L2 LINEAR GRAZERS RAINGARDEN C	12		"A" - 12	0-10V TO ELV CONVERTER
5	13	L2 LINEAR GRAZERS RAINGARDEN B	13		"A" - 14	0-10V TO ELV CONVERTER
6	14	L2 LINEAR GRAZERS RAINGARDEN B2	14		"A" - 16	0-10V TO ELV CONVERTER
7	15	L2 LINEAR GRAZERS RAINGARDEN A	15		"A" - 18	0-10V TO ELV CONVERTER
8	-	LED PEDESTRIAN POST TOPS			"A" - 1, 3	SWITCHING ONLY
9	-	LED BOLLARDS #1			"A" - 5, 7	SWITCHING ONLY
10	-	LED BOLLARDS #2			"A" - 2, 4	SWITCHING ONLY
11	-	LED HANDRAIL			"A" - 17	SWITCHING ONLY
12	-	LED STRIP UNDER BENCH			"A" - 19	SWITCHING ONLY

TYPE	CATALOG NUMBER	SOURCE	LUMENS	MOUNTING	MOUNTING HEIGHT	QUANTITY	DESCRIPTION
●	LANDSCAPE FORMS -ALCOTT #AC-048L3-035F-27K-UV1-14	60W LED 2700K	2870	ANCHOR BASE	14'	X	
○	BEGA-US #77221-K3-BLK-79817	10W LED 2700K	643	ANCHOR BASE	39"	X	
—	COLE LIGHTING #LR5P-LED-SS/1.9-REM	LED 2700K	205 PER FOOT	-	-	X	LIGHTED HANDRAIL, 1.9" DIA. REMOTE DRIVER WITH WATERPROOF JUNCTION BOXES
▬	GLLS VIVID S-160 STATIC #NF-11B-1-02-2W-E-WW-120J	LED 2700K	155 PER FOOT	UNDER BENCH	-	X	LED STRIP TO MOUNT UNDER BENCH. PROVIDE CHANNEL AND REMOTE DRIVER AND WATERPROOF JUNCTION BOXES.

\* MANUFACTURER'S AND CATALOG NUMBERS SHOWN ARE THE BASIS OF DESIGN. EQUIVALENT PRODUCTS, APPROVED BY THE ENGINEER, ARE ALSO PERMITTED.

SYMBOL	DESCRIPTION	SIZE
A	3#10AWG, #10G	1" DBC
A1	2#10AWG, #10G	1" DBC
B	3#8AWG, #8G	1 1/2" DBC
B1	2#8AWG, #8G	1 1/2" DBC
C	3#10AWG, #10G	1" DBC
	2#12AWG (0-10V DIMMING ZONE 1)	1 1/2" DBC
	2#12AWG (0-10V DIMMING ZONE 2)	
	2#12AWG (0-10V DIMMING ZONE 3)	
	2#12AWG (0-10V DIMMING ZONE 4)	
	2#12AWG (0-10V DIMMING ZONE 5)	
2#12AWG (0-10V DIMMING ZONE 6)		
D	3#10AWG, #10G	1" DBC
	2#12AWG (0-10V DIMMING ZONE 7)	1 1/2" DBC
	2#12AWG (0-10V DIMMING ZONE 8)	
	2#12AWG (0-10V DIMMING ZONE 9)	
	2#12AWG (0-10V DIMMING ZONE 10)	
2#12AWG (0-10V DIMMING ZONE 11)		
E	2#10AWG, #10G (ELV DIMMING ZONE 12)	1 1/2" DBC
	2#10AWG (ELV DIMMING ZONE 13)	
	2#10AWG (ELV DIMMING ZONE 14)	
	2#10AWG (ELV DIMMING ZONE 15)	
F1	2#10AWG, #10G	1" DBC
G	2#8AWG #12G (RECEPTACLE) 2#8AWG (RECEPTACLE)	1 1/2" DBC
H	PULL CORD	1" DBC

SYMBOL	ASSEMBLY TYPE	ASSEMBLY DESCRIPTION	LIGHTING FIXTURE COMPONENT(S) MANUFACTURER AND MODEL #	FIXTURE QTY PER ASSEMBLY	POLE HEIGHT (FT)	FIXTURE WATTAGE	FIXTURE TYPE	VOLTAGE (V)	DIMMING	ASSEMBLY WATTAGE	COMMENTS
○	L1A	MULTI-HEAD LIGHT POLE	LUMINAIRE: LUMENPULSE #LBM 27K WFL BK DIM SY UL 20FT BK UY SN	12	13	26W	LED	120	0-10V	312W	REFERENCE DRAWING E2.01 AND CURTAIN CALL ART PLANS FOR MORE DETAILS. REFERENCE CURTAIN CALL ART PLANS FOR MOUNTING DETAILS.
			POLE: LUMENPULSE - LUMENTECH #PL-T 6 R 13 BK SB AB								
			LUMINAIRE: LUMENPULSE #LBM 27K NF LSLV BK DIM SY UL 20FT BK UY SN	4		26W	LED	120	0-10V		
○	L1B	MULTI-HEAD LIGHT POLE	LUMINAIRE: LUMENPULSE #LBM 27K M LSLV BK DIM SY UL 20FT BK UY SN	2	18	26W	LED	120	0-10V	208W	REFERENCE DRAWING E2.01 AND CURTAIN CALL ART PLANS FOR MORE DETAILS. REFERENCE CURTAIN CALL ART PLANS FOR MOUNTING DETAILS.
			LUMINAIRE: LUMENPULSE #LBM 27K FL LSLV BK DIM SY UL 20FT BK UY SN	2		26W	LED	120	0-10V		
			POLE: LUMENPULSE - LUMENTECH #PL-T 6 R 18 BK SB AB								
○	L1C	MULTI-HEAD LIGHT POLE	LUMINAIRE: LUMENPULSE #LBM 27K WFL BK DIM SY UL 30FT BK UY SN	3	24	26W	LED	120	0-10V	79W	REFERENCE DRAWING E2.01 AND CURTAIN CALL ART PLANS FOR MORE DETAILS. REFERENCE CURTAIN CALL ART PLANS FOR MOUNTING DETAILS.
			POLE: LUMENPULSE - LUMENTECH #PL-T 6 R 24 BK SB AB								
▬	L2	LINEAR DOWNLIGHT AT CURTAIN WALL FASCIA	ECOSENSE TROV #L50-E48-06-27-90-MULTI-ASYM	44		6WLF	LED	120	0-10V		PROVIDE IP66 RATING. PROVIDE ELV MODULE #LDCM-PL-120-010V-GR FOR EACH CIRCUIT RUN
			N/A								



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Lower Hill-Curtain Call  
Pittsburgh, PA

Project Number: 21020-1  
Drawn by: DM | CT  
Checked by: FB | DM  
Date: April 28, 2023

Revisions:

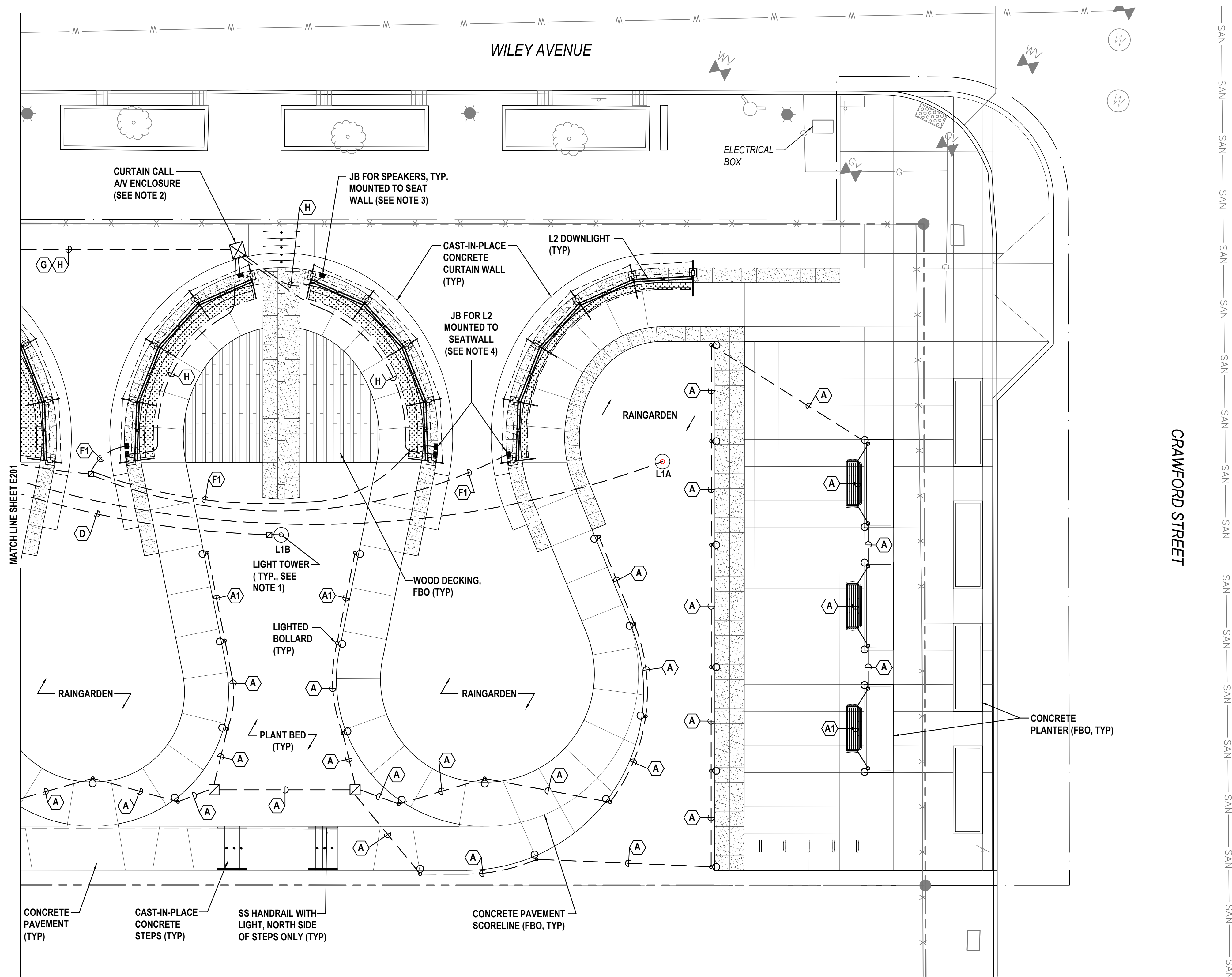
Scale: N/A

Sheet Name: General Notes

Submission: 100% Construction Documents

Sheet Number: E100

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**NOTES:**

1. REFERENCE CURTAIN CALL PUBLIC ART INSTALLATION PLANS.
2. REFERENCE AV PLANS TA-001 THROUGH TA-601. SEE MOUNTING DETAIL ON E302.
3. TRANSITION FROM DIRECT BURIAL TO EXPOSED CONDUIT (GALVANIZED RIGID STEEL) AT SEATWALL AND EXTEND CONDUIT TO THE A/V EQUIPMENT SURFACE MOUNTED JUNCTION BOX. PROVIDE FLEXIBLE 1" CONDUIT TO BOTTOM FITTING IN STEEL POST AND FROM TOP FITTING TO SPEAKER CLUSTER LOCATION. (TYPICAL OF 4 LOCATIONS.) REFERENCE AUDIO/VISUAL PLANS FOR ADDITIONAL DETAILS.
4. TRANSITION FROM DIRECT BURIAL TO EXPOSED CONDUIT (GALVANIZED RIGID STEEL) AT SEATWALL AND EXTEND CONDUIT TO THE 'L2' SURFACE MOUNTED JUNCTION BOX. PROVIDE FLEXIBLE 1" CONDUIT TO CONTINUOUS LINEAR DOWNLIGHTING (L2) MOUNTED TO 'L' ANGLE ABOVE CURTAIN WALL FASCIA. REFERENCE CURTAIN CALL ART PLANS.

**REFERENCES:**

1. FOR GENERAL NOTES, SEE SHEET E100.
2. FOR LEGEND, SEE SHEET E100.
3. FOR LIGHTING FIXTURE SCHEDULE, SEE SHEET E100.



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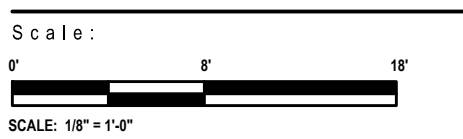
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**Lower Hill-Curtain Call**  
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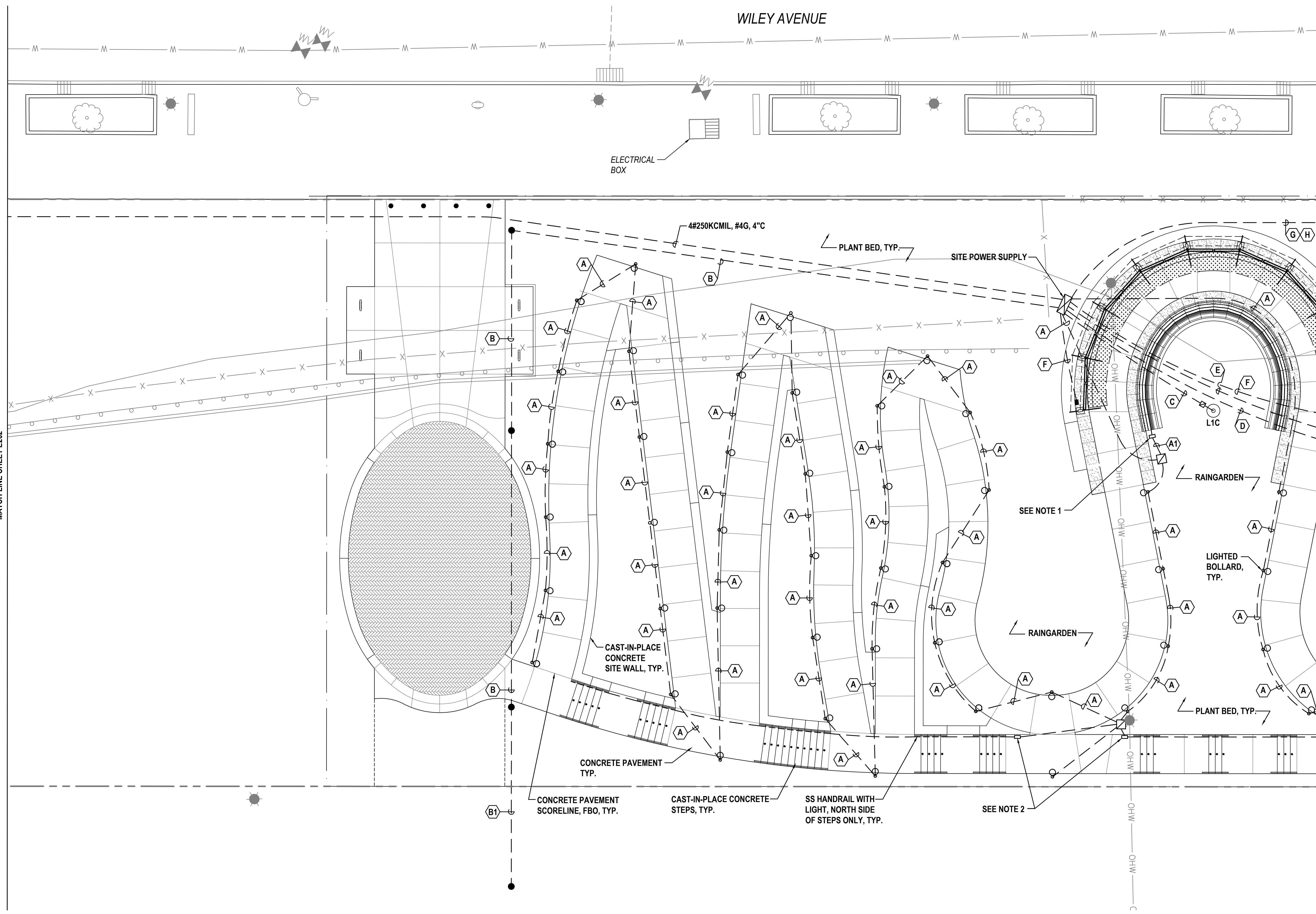


Sheet Name:  
**Site Lighting Plan**

Submission:  
100% Construction Documents

Sheet Number:  
**E200**

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**NOTES:**

1. REMOTE DRIVER JB FOR UNDER BENCH STRIP LIGHTING. COORDINATE LOCATION WITH ARCHITECT. REFERENCE LANDSCAPE PLANS FOR MOUNTING LOCATION.
2. REMOTE DRIVER JB FOR LIGHTED HANDRAIL. COORDINATE LOCATION WITH ARCHITECT. REFERENCE LANDSCAPE PLANS FOR MORE DETAILS.

**REFERENCES:**

1. FOR GENERAL NOTES, SEE SHEET E100.
2. FOR LEGEND, SEE SHEET E100.
3. FOR LIGHTING FIXTURE SCHEDULE, SEE SHEET E100.



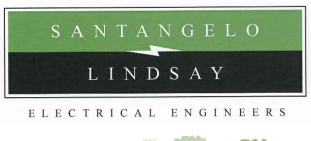
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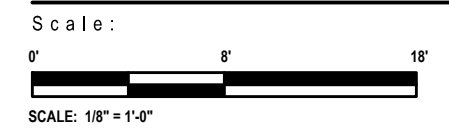
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**Lower Hill-Curtain Call**  
Pittsburgh, PA

Project Number:  
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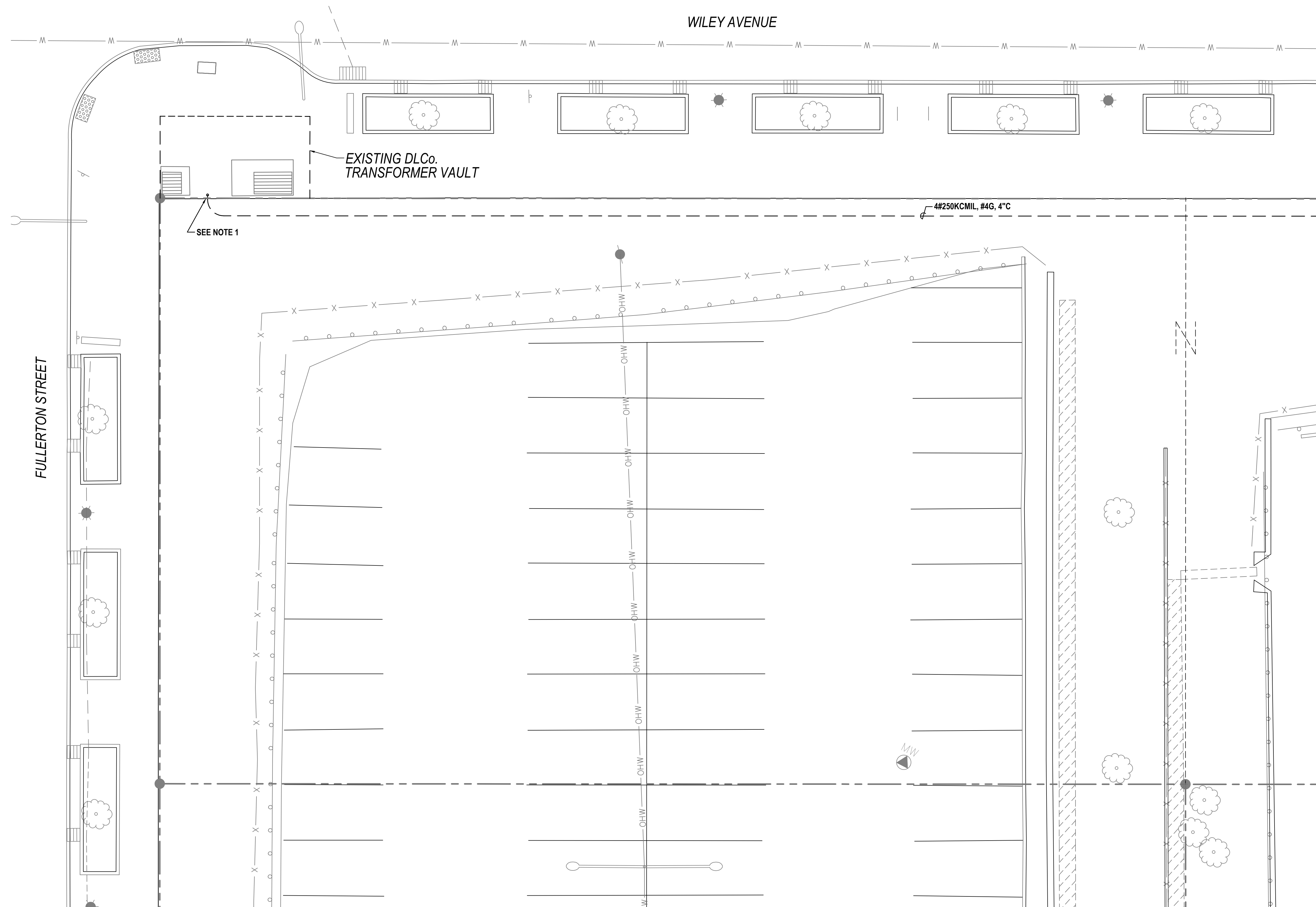
Sheet Name:  
**Site Lighting Plan**

Submission:  
100% Construction Documents

Sheet Number:

**E201**

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FULLERTON STREET

WILEY AVENUE

EXISTING DLCo.  
TRANSFORMER VAULT

SEE NOTE 1

4#250KCMIL, #4G, 4\"/>

MATCH LINE SHEET E201



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Date:  
April 28, 2023

Revisions:



Sheet Name:  
**Site Lighting Plan**

Submission:  
100% Construction Documents

Sheet Number:  
**E202**

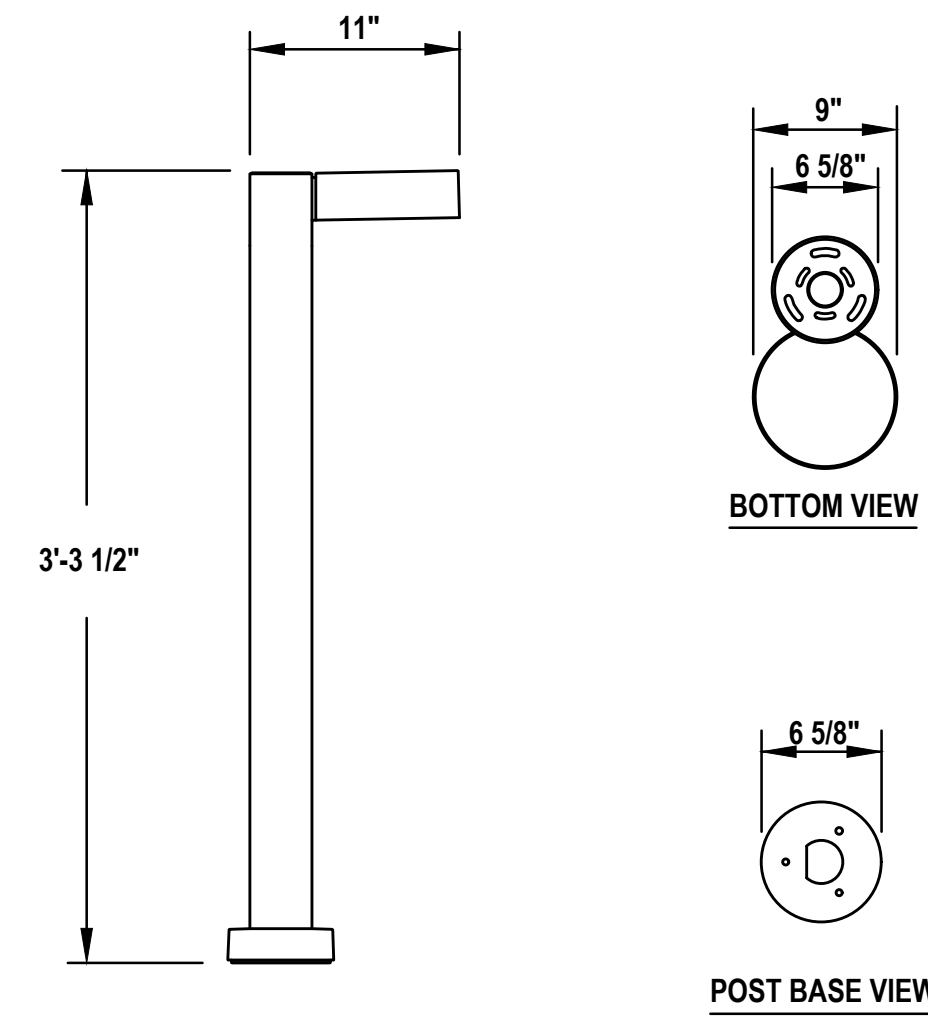
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**NOTES:**

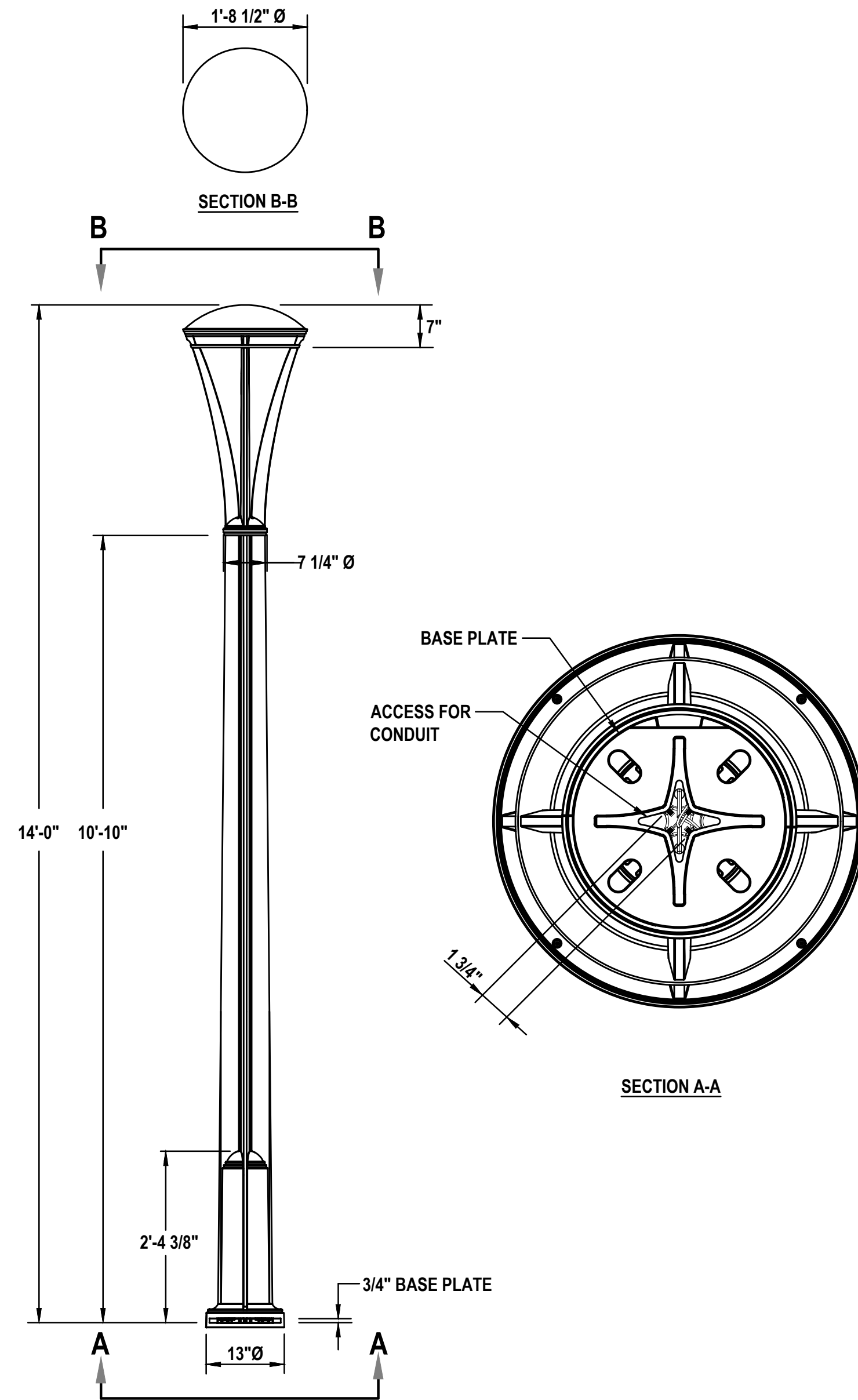
1. COORDINATE SERVICE WITH DUQUESNE LIGHT COMPANY.

**REFERENCES:**

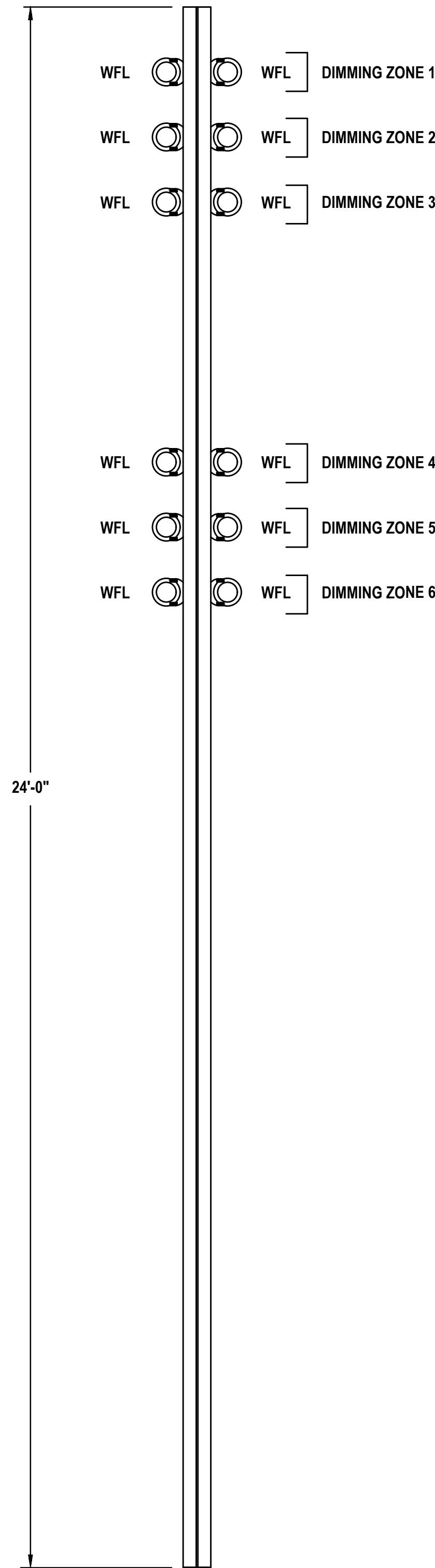
1. FOR GENERAL NOTES, SEE SHEET E100.
2. FOR LEGEND, SEE SHEET E100.
3. FOR LIGHTING FIXTURE SCHEDULE, SEE SHEET E100.



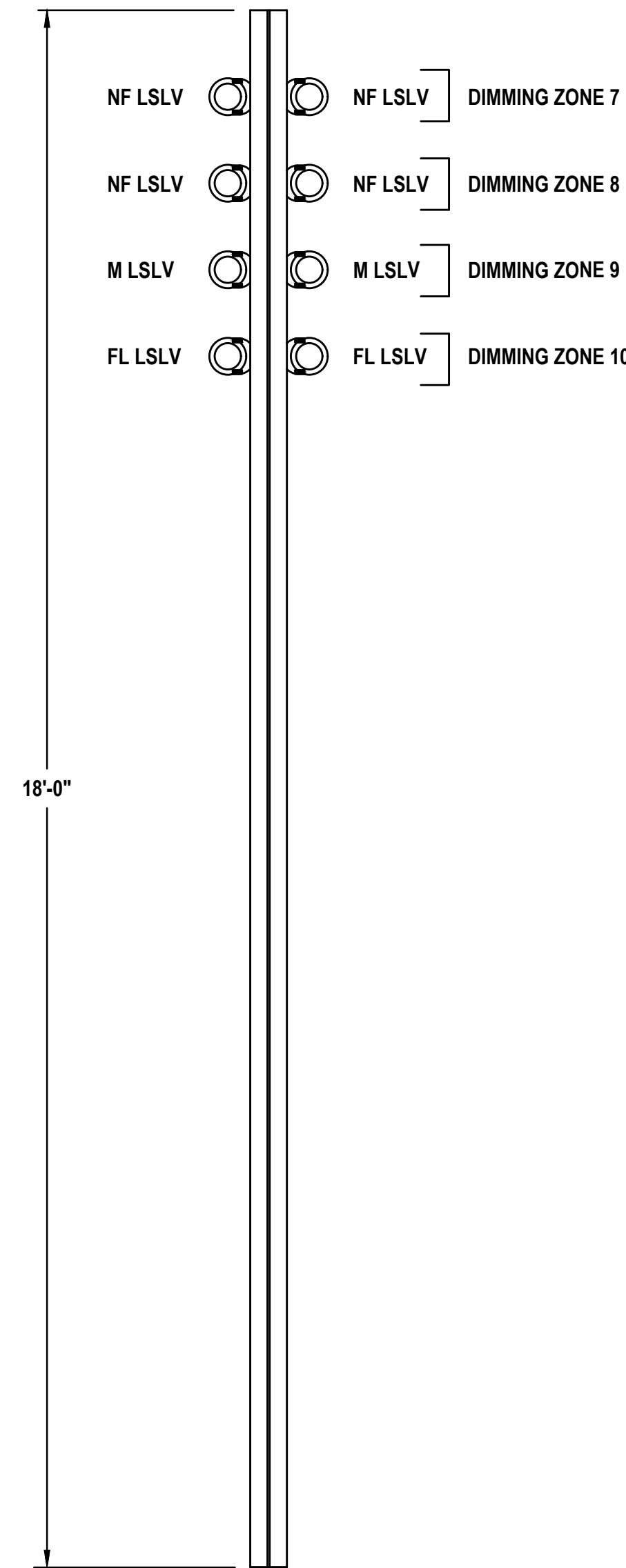
1 BOLLARD LIGHT - SHIELDED DIRECT LIGHT  
E201 SCALE: NTS



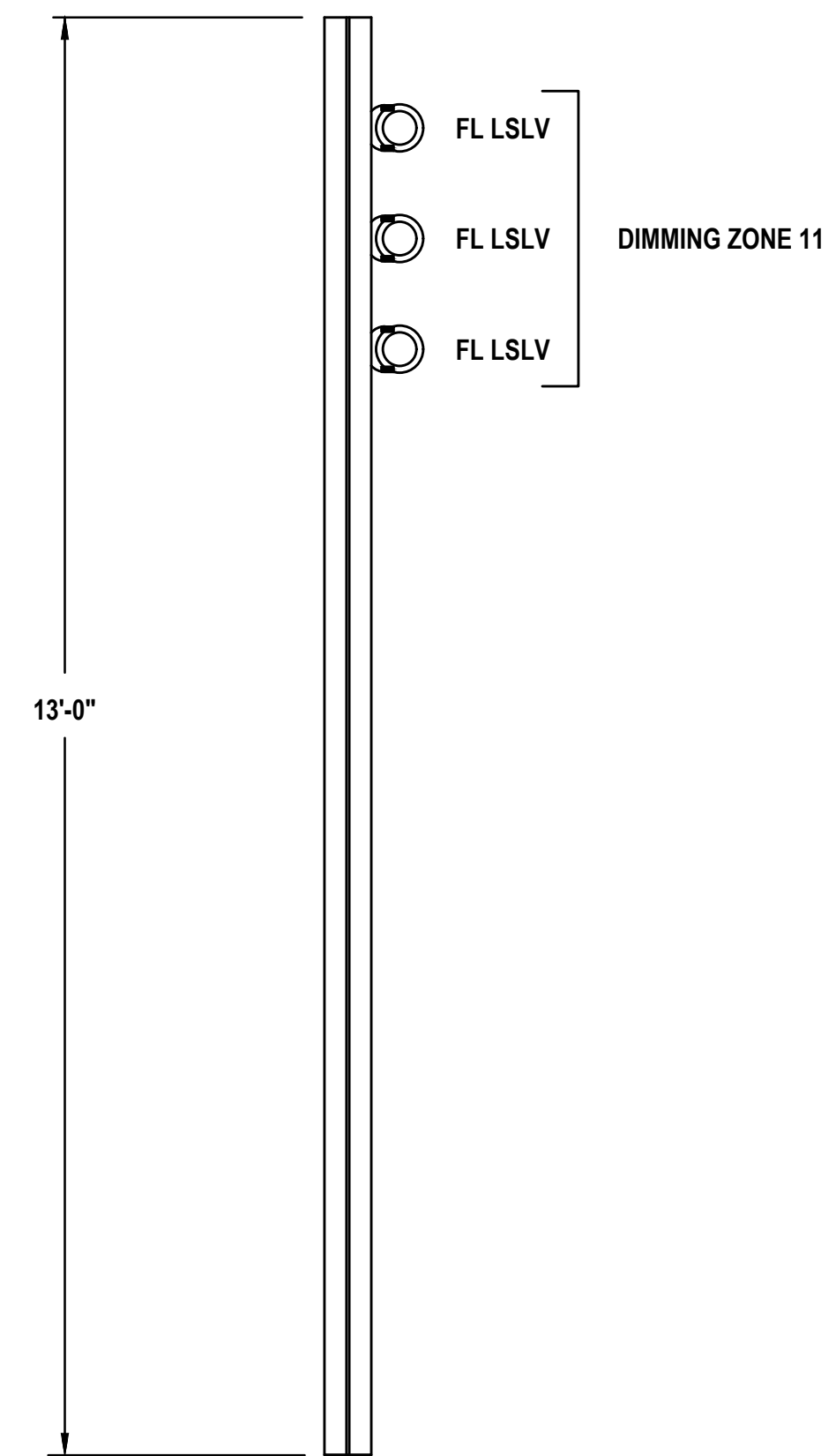
2 AREA LIGHT  
E201 SCALE: NTS



3 POLE L1C  
E201 SCALE: NTS



4 POLE L1B  
E201 SCALE: NTS



5 POLE L1A  
E201 SCALE: NTS



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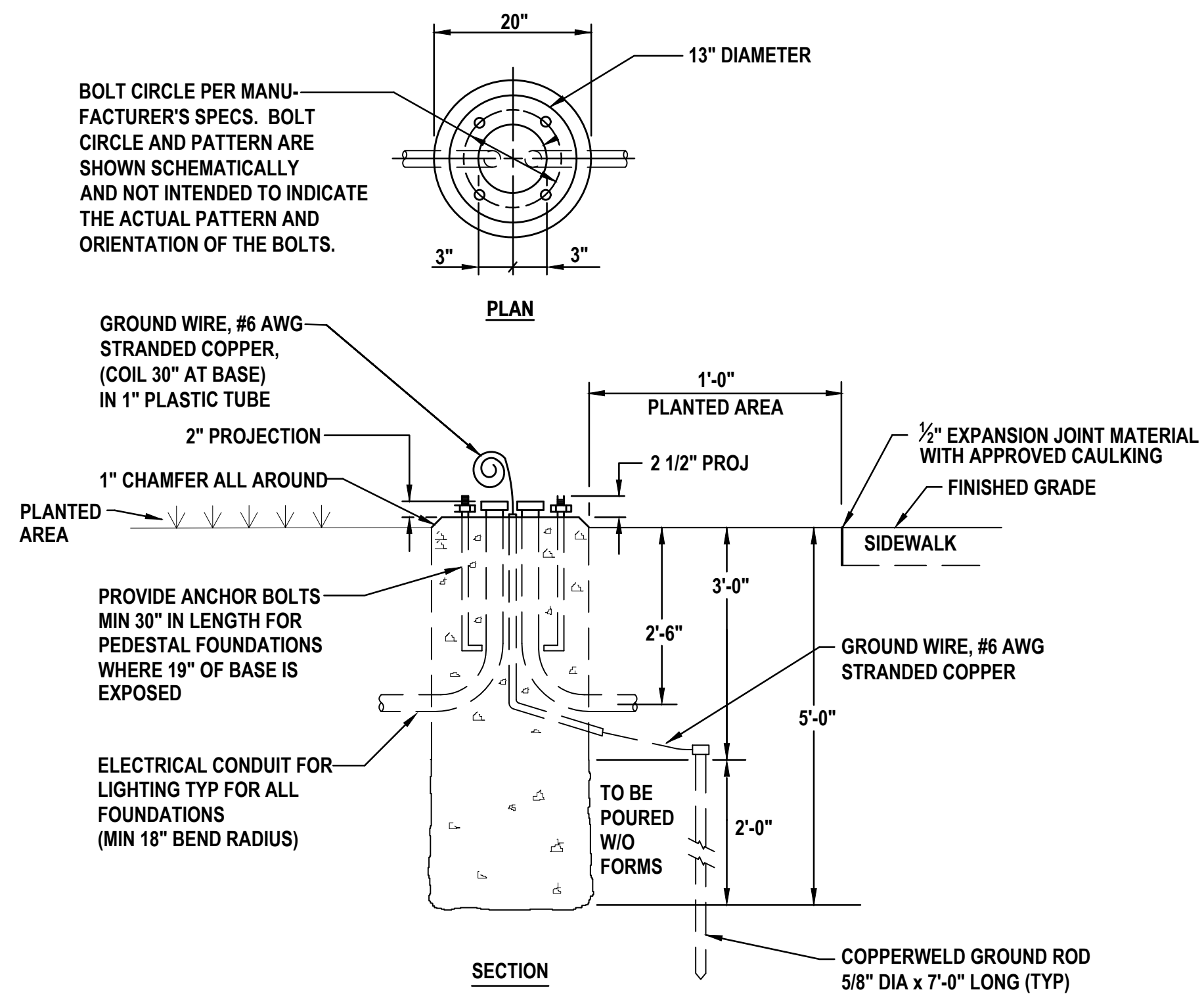
Scale:  
as noted

Sheet Name:  
Electrical Details 1

Submission:  
100% Construction Documents

Sheet Number:  
E300

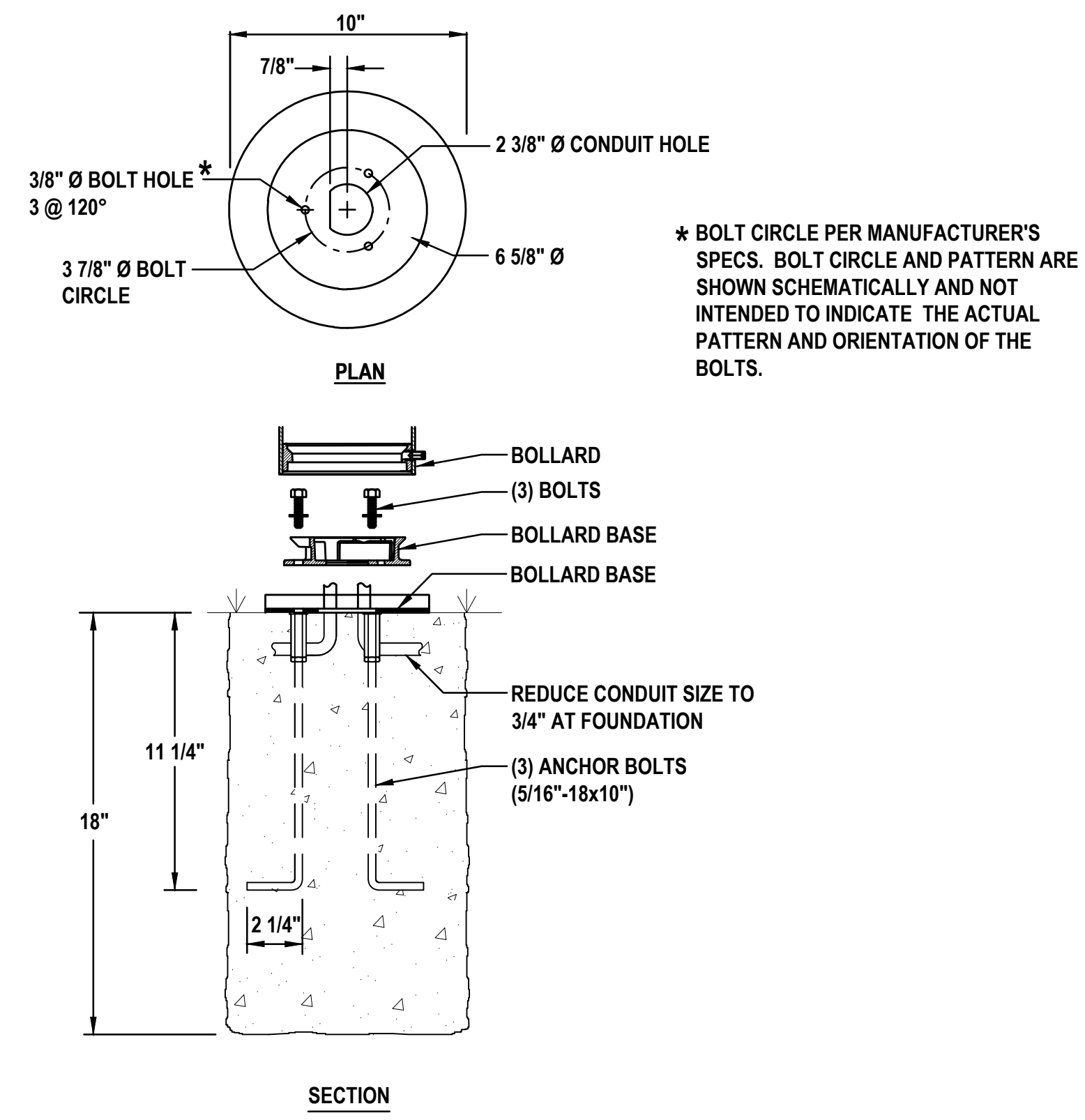
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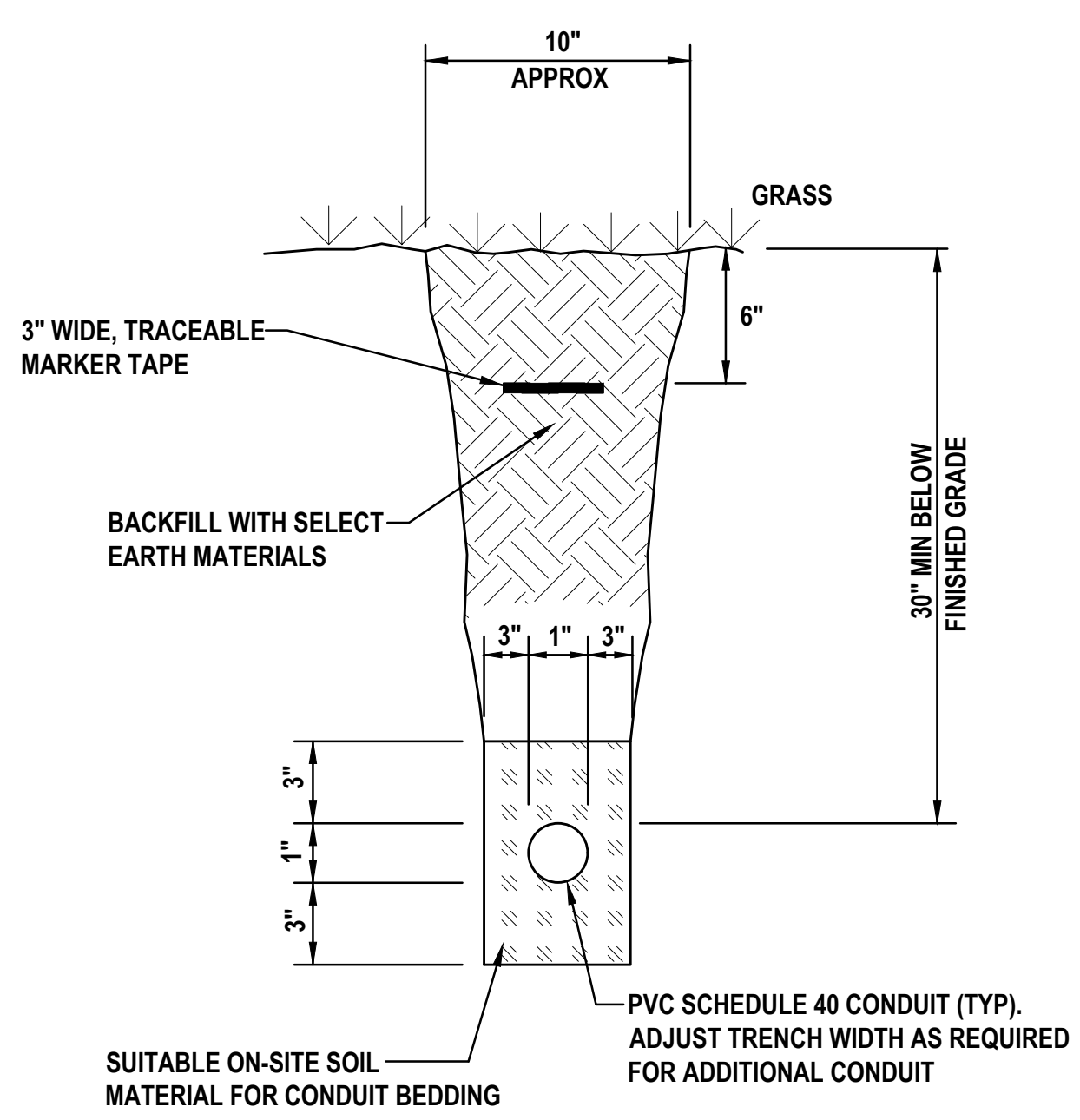
**NOTE:**

1. PAYMENT FOR POLE FOUNDATION INCLUDES EXCAVATION, REMOVAL AND DISPOSAL OF EXCESS EXCAVATED MATERIAL.

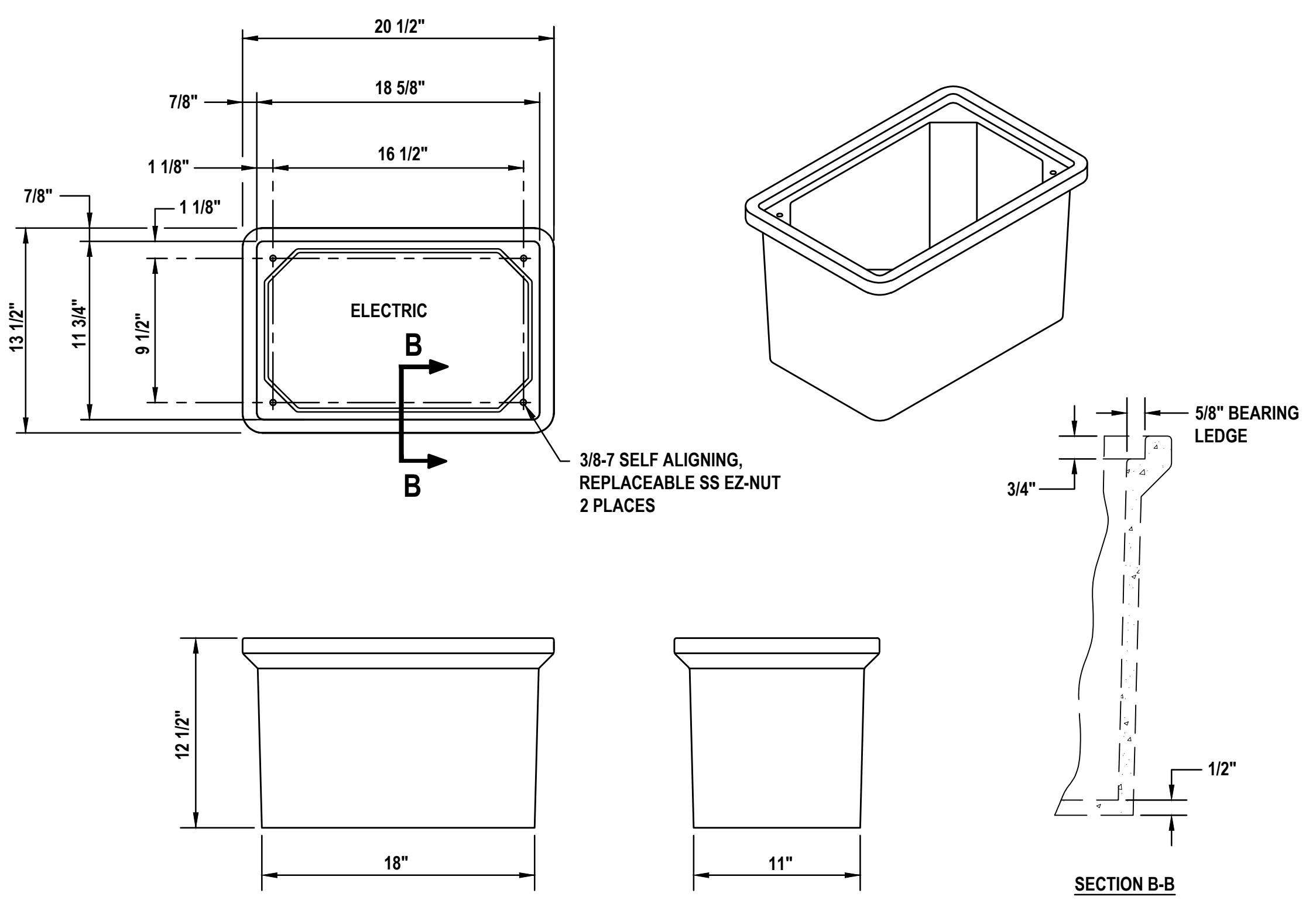
**1** LIGHT POLE FOUNDATION - IN PLANTED AREAS  
E201 SCALE: NTS  
TYPICAL FOR FOUNDATIONS IN LAWN AREAS.



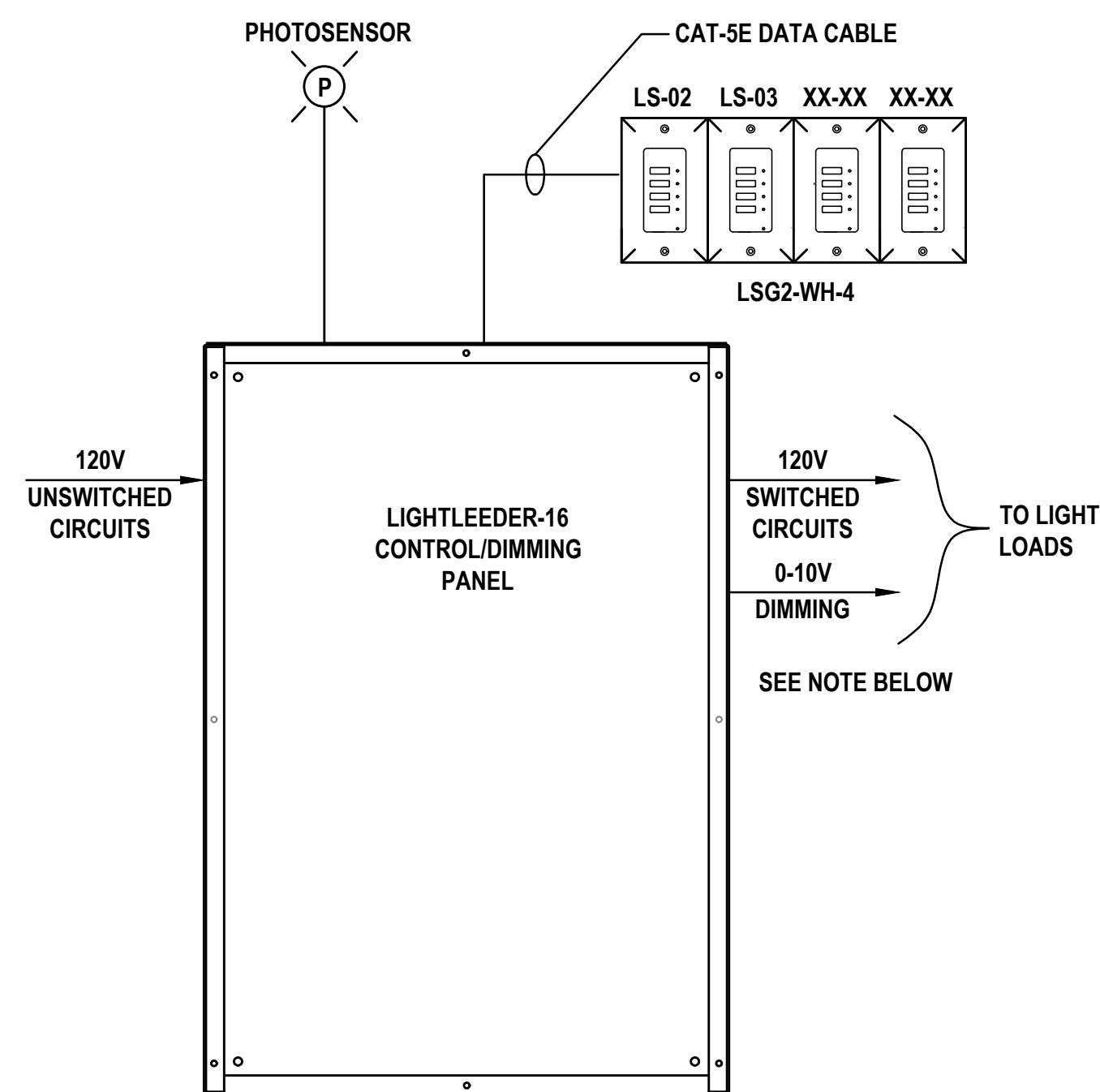
**2** BOLLARD FOUNDATION  
E201 SCALE: NTS



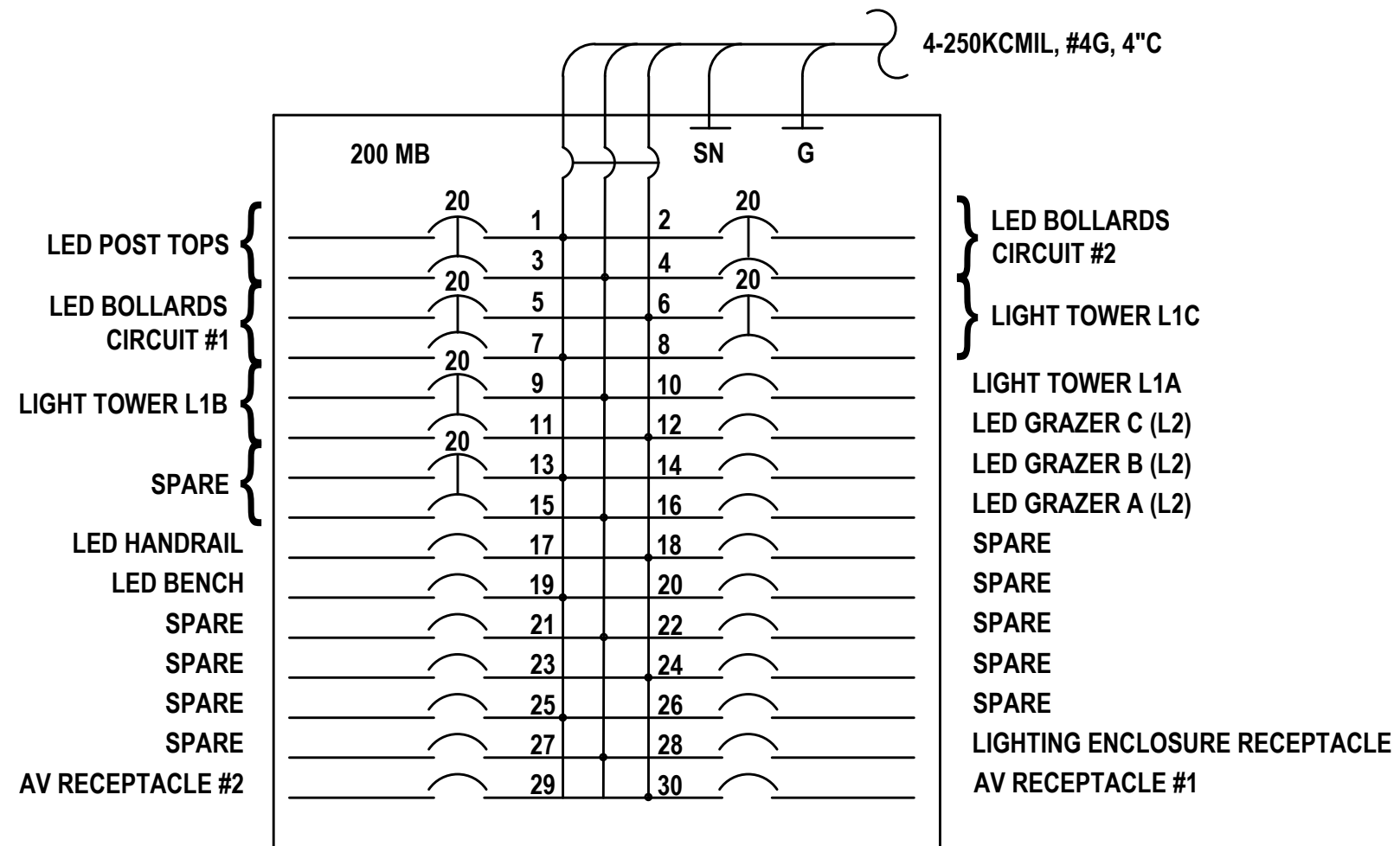
**3** CONDUIT TRENCH IN EARTH  
E201 SCALE: NTS



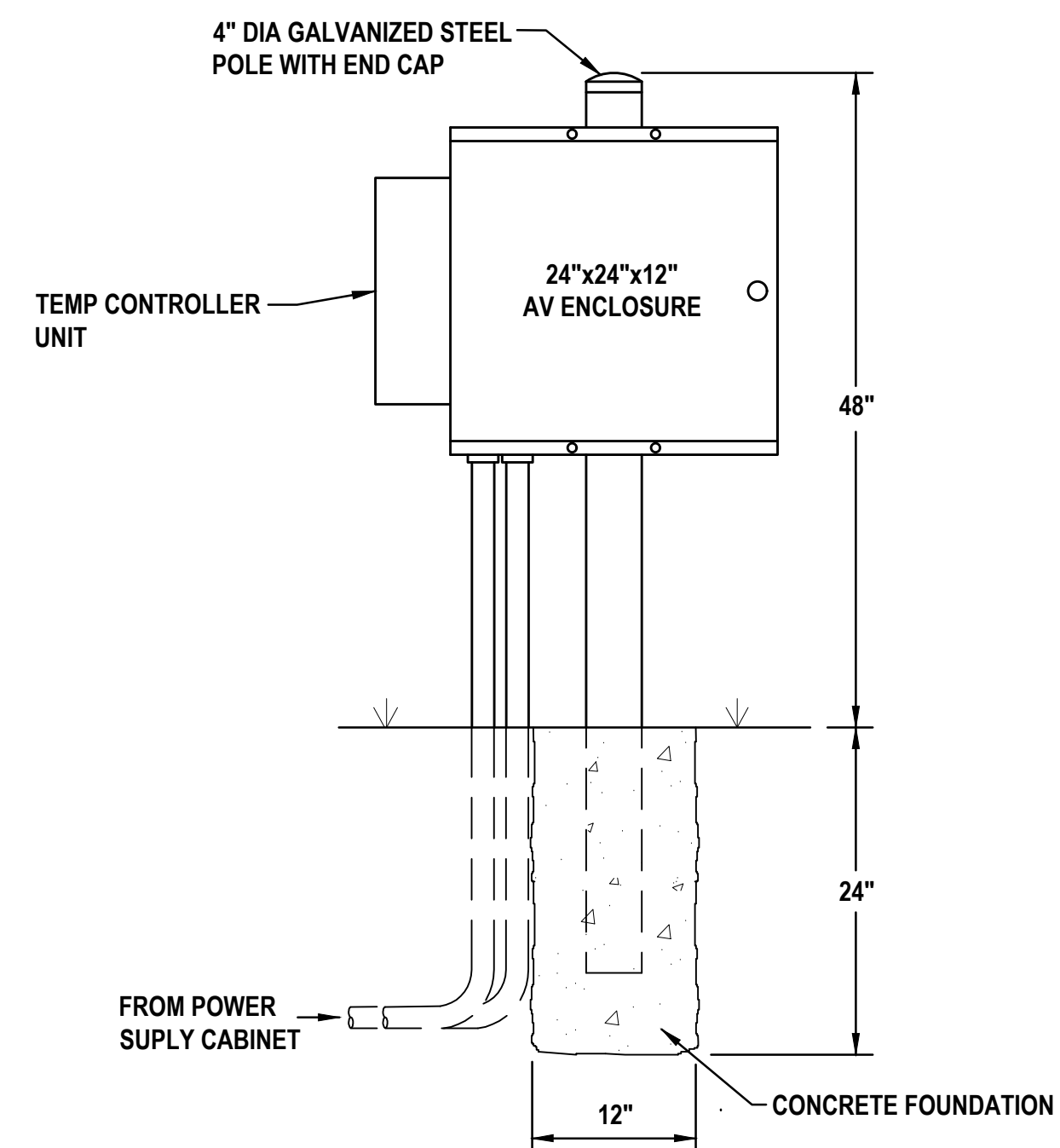
**4** JUNCTION BOX - TYPE B  
E201 SCALE: NTS



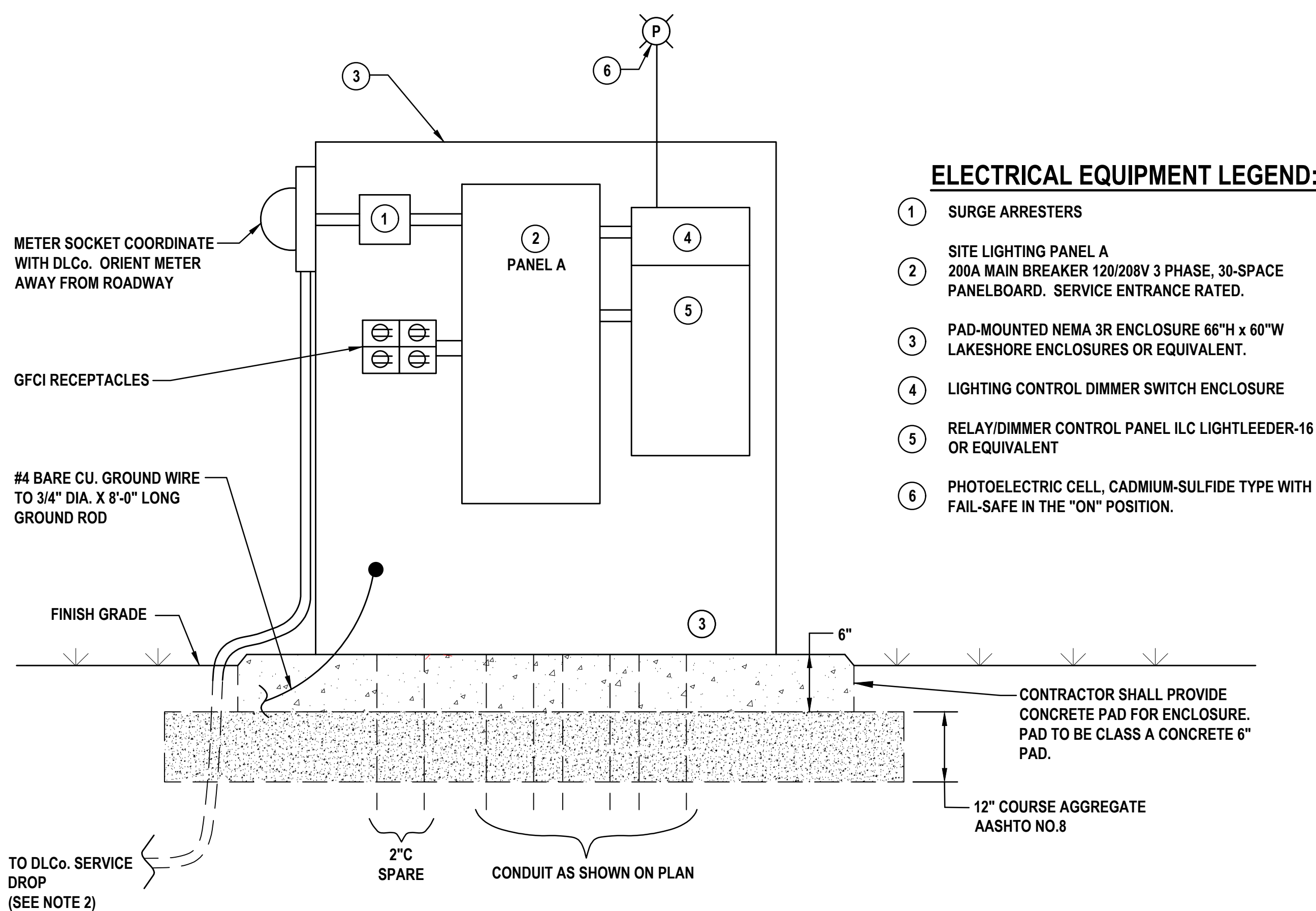
1 TYPICAL LIGHTING CONTROL DIMMING DIAGRAM  
SCALE: NTS  
NOTE: USE CLASS 1 WIRE FOR CONTROL WIRE.



2 "PANEL A" IN CONTROL CABINET #1  
SCALE: NTS  
120/208V, 3 Ø, 4 WIRE  
ALL BREAKERS 20A TRIP UNLESS NOTED



3 AV ENCLOSURE MOUNTING DETAIL  
SCALE: NTS  
PROVIDE MIER #BW-124AHT WITH POLE MOUNTING KIT.  
REFERENCE AUDIO/VISUAL PLANS FOR MORE DETAILS



**ELECTRICAL EQUIPMENT LEGEND:**

- 1 SURGE ARRESTERS
- 2 SITE LIGHTING PANEL A  
200A MAIN BREAKER 120/208V 3 PHASE, 30-SPACE  
PANELBOARD. SERVICE ENTRANCE RATED.
- 3 PAD-MOUNTED NEMA 3R ENCLOSURE 66"H x 60"W  
LAKESHORE ENCLOSURES OR EQUIVALENT.
- 4 LIGHTING CONTROL DIMMER SWITCH ENCLOSURE
- 5 RELAY/DIMMER CONTROL PANEL ILC LIGHTLEEDER-16  
OR EQUIVALENT
- 6 PHOTOELECTRIC CELL, CADMIUM-SULFIDE TYPE WITH  
FAIL-SAFE IN THE "ON" POSITION.

4 CONTROL CABINET INTERIOR SCHEMATIC DIAGRAM  
SCALE: NTS

**LIGHTING CONTROL CABINET NOTES:**

1. PROVIDE LAKESHORE ENCLOSURE OR EQUIVALENT.
2. CONDUIT AND WIRE FROM SERVICE DROP ARE INCIDENTAL TO POWER SUPPLY.
3. COORDINATE SERVICE WITH DUQUESNE LIGHT COMPANY.
4. REFERENCE PANELBOARD SCHEDULE FOR CIRCUIT QUANTITY AND DETAILS.

SHEET LIST	
LSK0.0	CURTAIN CALL - GENERAL NOTES + SCHEDULES
LSK1.1	CURTAIN CALL - OVERALL SITE PLAN
LSK1.2	CURTAIN CALL - LAYOUT PLAN
LSK1.3	CURTAIN CALL - AUDIO AND LIGHTING PLAN
LSK2.0	CURTAIN CALL - UNROLLED ELEVATIONS
LSK2.1	CURTAIN CALL AREA A - UNIT ELEVATION AND SECTION
LSK2.2	CURTAIN CALL AREA B - UNIT ELEVATION AND SECTION
LSK2.3	CURTAIN CALL AREA C - UNIT ELEVATION AND SECTION
LSK2.4	CURTAIN CALL - SITE SECTION
LSK6.1	CURTAIN CALL AREA A - FRAMING DETAILS
LSK6.2	CURTAIN CALL AREA A - FRAMING DETAILS
LSK6.3	CURTAIN CALL AREA B - FRAMING DETAILS
LSK6.4	CURTAIN CALL AREA B - FRAMING DETAILS
LSK6.5	CURTAIN CALL AREA C - FRAMING DETAILS
LSK6.6	CURTAIN CALL AREA C - FRAMING DETAILS
LSK7.1	CURTAIN CALL AREA A - ASSEMBLY AXONS
LSK7.2	CURTAIN CALL AREA B - ASSEMBLY AXONS
LSK7.3	CURTAIN CALL AREA C - ASSEMBLY AXONS
LSK7.4	CURTAIN CALL - GLASS DETAILS
LSK7.5	CURTAIN CALL - FASCIA DETAILS
LSK8.1	CURTAIN CALL - LIGHT TOWER
LSK8.2	CURTAIN CALL - FASCIA LIGHTING
LSK8.3	CURTAIN CALL - AUDIO SYSTEM ATTACHMENT
TA-001	CURTAIN CALL - AUDIOVISUAL SYMBOLS AND NOTES
TA-002	CURTAIN CALL - AUDIOVISUAL SCHEDULES
TA-101	CURTAIN CALL - AUDIOVISUAL FLOOR PLAN
TA-501	CURTAIN CALL - AUDIOVISUAL RISER DIAGRAM
TA-601	CURTAIN CALL - AUDIOVISUAL DETAILS
S100	CURTAIN CALL - STRUCTURE OVERVIEW
S101	CURTAIN CALL - STRUCTURE OVERVIEW
S200	CURTAIN CALL - STRUCTURE DETAILS

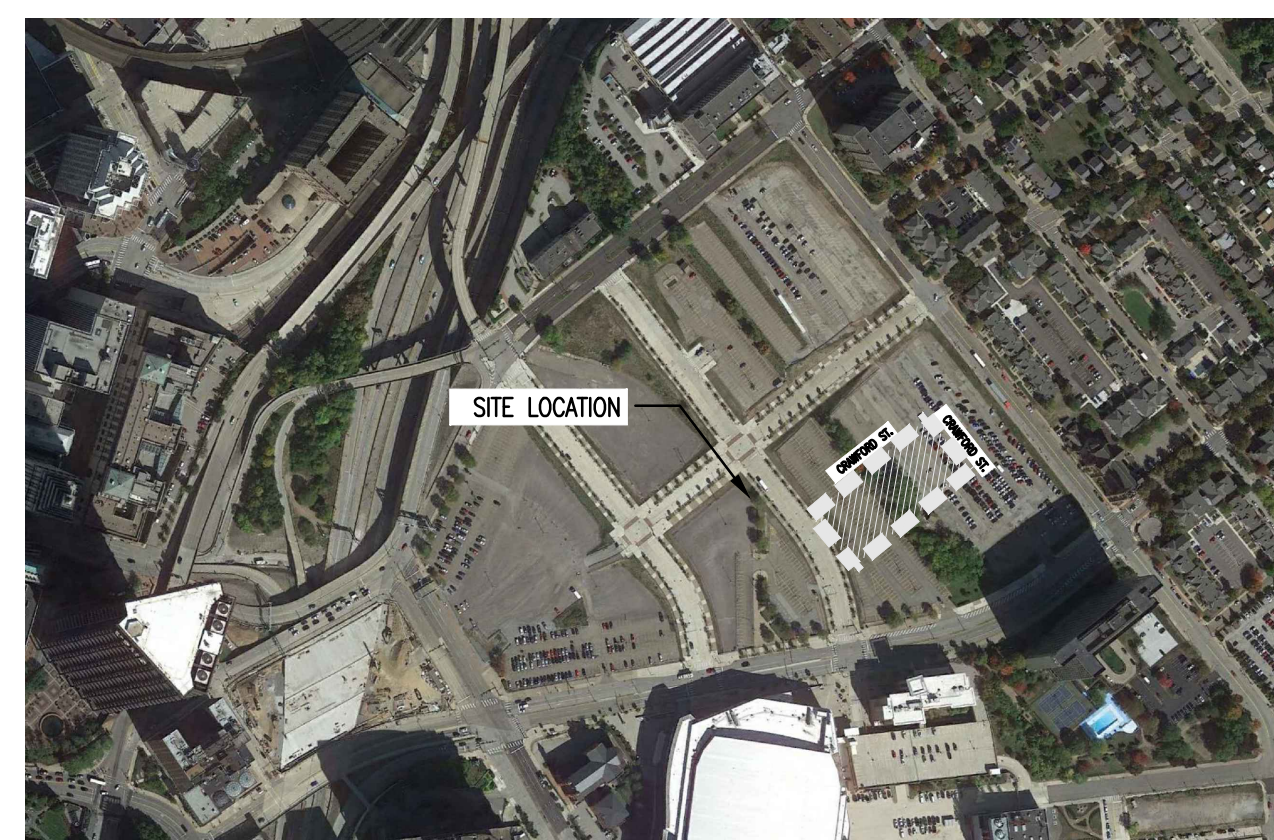
# CURTAIN CALL public art installation



## 2 CURTAIN CALL - SCHEMATIC PERSPECTIVE SCALE: NTS



CONTEXT MAP



PROJECT LOCATION MAP

## 1 LOWER HILL - CURTAIN CALL LOCATION PLANS SCALE: NTS

SITE WALLS SCHEDULE								
KEY	SYMBOL	DESCRIPTION / LOCATION	MATERIAL / MODEL	COLOR / FINISH	QTY.	DETAIL NUMBER	SPEC. SECTION	COMMENTS
W1		GLASS CURTAIN WALL	9/16-INCH TEMPERED LAMINATED ARTWORK GLASS WITH AN 8BG IMAGE INTERLAYER	-	SF	2/LSK7.4	-	MAX 4 SAMPLES TO BE PROVIDED BY FABRICATOR FOR REVIEW BY HDS AND OWNER.
W3		WALL FRAMING	CUSTOM STRUCTURAL FRAME	PAINTED STEEL FRAME WITH ANTI-GRAFFITI COATING	LF	1,2,3/LSK6.1 1,2,3/LSK6.2 1,2,3/LSK6.3 1,2,3/LSK6.4 1,2,3/LSK6.5 1,2,3/LSK6.6	-	ONE IN PERSON MOCK-UP REVIEW BY HDS AND OWNER AT FABRICATOR'S FACILITY AT 50% SHOP DRAWING SUBMITTAL. MOCK-UP SHALL INCLUDE TWO CONNECTED CURTAIN CALL MODULE UNITS, FRAME, GLASS, HARDWARE AND FASCIA. IF NECESSARY, THERE WILL BE ONE MOCK-UP REVIEW BY HDS AND OWNER PM AT FABRICATOR'S FACILITY AT 100% SHOP DRAWING SUBMITTAL.
W3		WALL POST	CUSTOM STRUCTURAL POST	PAINTED STEEL POST WITH ANTI-GRAFFITI COATING	26	SEE PLAN	-	POST SHALL BE CUT TO LENGTH ON SITE AND THE BASE PLATE WELDED ON SITE. ONE IN PERSON MOCK-UP REVIEW BY HDS AND OWNER AT FABRICATOR'S FACILITY AT 50% SHOP DRAWING SUBMITTAL. MOCK-UP SHALL INCLUDE TWO CONNECTED CURTAIN CALL MODULE UNITS, FRAME, GLASS, HARDWARE AND FASCIA. IF NECESSARY, THERE WILL BE ONE MOCK-UP REVIEW BY HDS AND OWNER PM AT FABRICATOR'S FACILITY AT 100% SHOP DRAWING SUBMITTAL.

AUDIO AND VISUAL SCHEDULE								
KEY	SYMBOL	DESCRIPTION / LOCATION	MATERIAL / MODEL	COLOR / FINISH	QTY.	DETAIL NUMBER	SPEC. SECTION	COMMENTS
L1A		MULTI-HEAD LIGHT POLE IN RAINGARDEN AREA A	LUMENPULSE LBM LED FLOODLIGHTS MOUNTED ON LMT SMARTPOLE PL-T; SEE MANUFACTURER SKETCH	WHITE	1/ 3 FIXTURES	LSK8.1	-	LIGHTING DESIGNER SHALL PROVIDE ONE LIGHTING MOCK-UP TO INCLUDE A SELECTION OF SAMPLE FIXTURES TO SUPPORT THE DESIGN CONCEPTS FOR INTEGRATION INTO FABRICATOR'S MOCK-UP AT 50% AND 100% SHOP DRAWINGS. ELECTRICAL CONTRACTOR TO PROVIDE ON-SITE AMING MOCK-UP.
L1B		MULTI-HEAD LIGHT POLE IN RAINGARDEN AREA B	LUMENPULSE LBM LED FLOODLIGHTS MOUNTED ON LMT SMARTPOLE PL-T; SEE MANUFACTURER SKETCH	WHITE	1/ 8 FIXTURES	LSK8.1	-	LIGHTING DESIGNER SHALL PROVIDE ONE LIGHTING MOCK-UP TO INCLUDE A SELECTION OF SAMPLE FIXTURES TO SUPPORT THE DESIGN CONCEPTS FOR INTEGRATION INTO FABRICATOR'S MOCK-UP AT 50% AND 100% SHOP DRAWINGS. ELECTRICAL CONTRACTOR TO PROVIDE ON-SITE AMING MOCK-UP.
L1C		MULTI-HEAD LIGHT POLE IN RAINGARDEN AREA C	LUMENPULSE LBM LED FLOODLIGHTS MOUNTED ON LMT SMARTPOLE PL-T; SEE MANUFACTURER SKETCH	WHITE	1/ 12 FIXTURES	LSK8.1	-	LIGHTING DESIGNER SHALL PROVIDE ONE LIGHTING MOCK-UP TO INCLUDE A SELECTION OF SAMPLE FIXTURES TO SUPPORT THE DESIGN CONCEPTS FOR INTEGRATION INTO FABRICATOR'S MOCK-UP AT 50% AND 100% SHOP DRAWINGS. ELECTRICAL CONTRACTOR TO PROVIDE ON-SITE AMING MOCK-UP.
L2		LINEAR DOWNLIGHTING AT ARTWORK FASCIA	ECOSENSE TROV L50-E-48-06-27-90-MULT-ASY M	STANDARD	44	1/LSK8.2	-	LIGHTING DESIGNER SHALL PROVIDE ONE LIGHTING MOCK-UP TO INCLUDE A SELECTION OF SAMPLE FIXTURES TO SUPPORT THE DESIGN CONCEPTS FOR INTEGRATION INTO FABRICATOR'S MOCK-UP AT 50% AND 100% SHOP DRAWINGS. VERIFY FIXTURE LENGTH PRIOR TO ORDERING. ELECTRICAL CONTRACTOR TO PROVIDE ON-SITE AMING MOCK-UP.
A1		CUSTOM AUDIO SPEAKER CLUSTER MOUNTED ON CURTAIN CALL FRAME	LEON/TERRA TR50-MTM 70V, SEE MANUFACTURER SKETCH	WHITE	4	1/LSK8.3	-	ONE MOCK-UP TO TEST FEASIBILITY OF SPEAKER PROTOTYPES, AMPLIFIERS, AND PLAYBACK SYSTEM TO ILLUSTRATE THE DESIGN CONCEPTS IN A EXTERIOR TEMPORARY AUDIO ENVIRONMENT REPRESENTATIVE OF FINAL INSTALLATION.

## 4 MATERIALS SCHEDULE SCALE: NTS

### NOTES

- CONTRACTOR AND INSTALLER IS RESPONSIBLE FOR PROVIDING COMPLETE, OPERATIONAL SYSTEMS AND INSTALLATIONS. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND INSTALLER UNLESS OTHERWISE NOTED.
- ALL DIMENSIONAL NOTES AND DETAILS SHOWING A PORTION OF A DRAWING SHALL APPLY TYPICALLY TO ALL OPPOSITE HAND AND/OR SIMILAR CONDITIONS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR AND INSTALLER IS RESPONSIBLE TO FIELD INVESTIGATE, AND VERIFY ALL CONDITIONS, ELEVATIONS AND DIMENSIONS OF THE PROJECT, AS SHOWN ON OR REFERENCED ON THE DRAWINGS. IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS OR GRADES IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE OWNER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES AND SUBCONTRACTORS.
- REFER TO SURVEY PROVIDED BY COSMOS TECHNOLOGIES (SURVEYOR) DATED 04.18.2022 FOR ALL NOTES AND INFORMATION RELATED TO EXISTING AND PROPOSED UTILITIES PRIOR TO ANY SITE DEMOLITION OR CLEARING OR ASSOCIATED WITH ANY SITE GRADING OR TRENCHING OPERATIONS.
- VERIFY ABOVE AND BELOW GROUND UTILITY LOCATIONS AND COORDINATE INSTALLATION OF ART SCULPTURE COMPONENTS.
- CONTRACTOR SHALL MAINTAIN A QUALIFIED ENGLISH SPEAKING SUPERVISOR ON THE SITE AT ALL TIMES; DURING CONSTRUCTION THROUGH COMPLETION OF PUNCH LIST ITEMS.

### CODES AND REGULATIONS

- CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS INCLUDING BUT NOT LIMITED TO:
- 2018 UNIFORM CONSTRUCTION CODE, AS AMENDED
  - CITY OF PITTSBURGH MUNICIPAL CODE
  - AMERICANS WITH DISABILITIES ACT
  - ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MAINTENANCE DISTRICT FOR AIRBORNE PARTICULATE (DUST).

### SITE LAYOUT AND GRADING NOTES

- REFER TO CIVIL AND SITE UTILITY DRAWINGS TO BE PROVIDED BY COSMOS SURVEY DATED 04.18.2022 FOR INFORMATION RELATED TO SITE PREPARATION AND UTILITIES PRIOR TO ANY SITE INSTALLATION OR CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, LANDSCAPE, GRADING, ETC. AS APPLICABLE, AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.

### DEFERRED SUBMITTALS

ALL ITEMS DESIGNATED IN THESE DOCUMENTS AS DEFERRED SUBMITTAL, OR AS ELEMENTS DESIGNATED TO BE FINALIZED DURING THE SHOP DRAWING AND/OR FABRICATION PHASE OF WORK SHALL BE CONSIDERED DEFERRED SUBMITTAL AND SHALL MEET THE REQUIREMENTS STATED BELOW.

ARTIST, INCLUDING THEIR FABRICATORS, SUBCONTRACTORS AND/OR CONSULTANTS, SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIREMENTS OF THE DEFERRED SUBMITTAL PROCESS, INCLUDING BUT NOT LIMITED TO, SUBMITTING SHOP DRAWINGS AND RELATED DOCUMENTS FOR REVIEW TO THE OWNER AND LAOR PRIOR TO SUBMITTING TO THE AUTHORITY HAVING JURISDICTION (AHL) IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

ITEMS INCLUDED AS DEFERRED SUBMITTALS INCLUDE, BUT ARE NOT LIMITED TO:

- CURTAIN CALL FRAME SHOP DRAWINGS
- GLASS SHOP DRAWINGS
- REQUIRED HARDWARE
- BASE PLATE MOUNTING DETAILS
- FABRICATION SAMPLES
- AUDIOVISUAL SYSTEMS DRAWINGS
- AUDIOVISUAL SYSTEMS SPECIFICATIONS



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CURTAIN CALL -  
GENERAL NOTES AND  
SCHEDULES  
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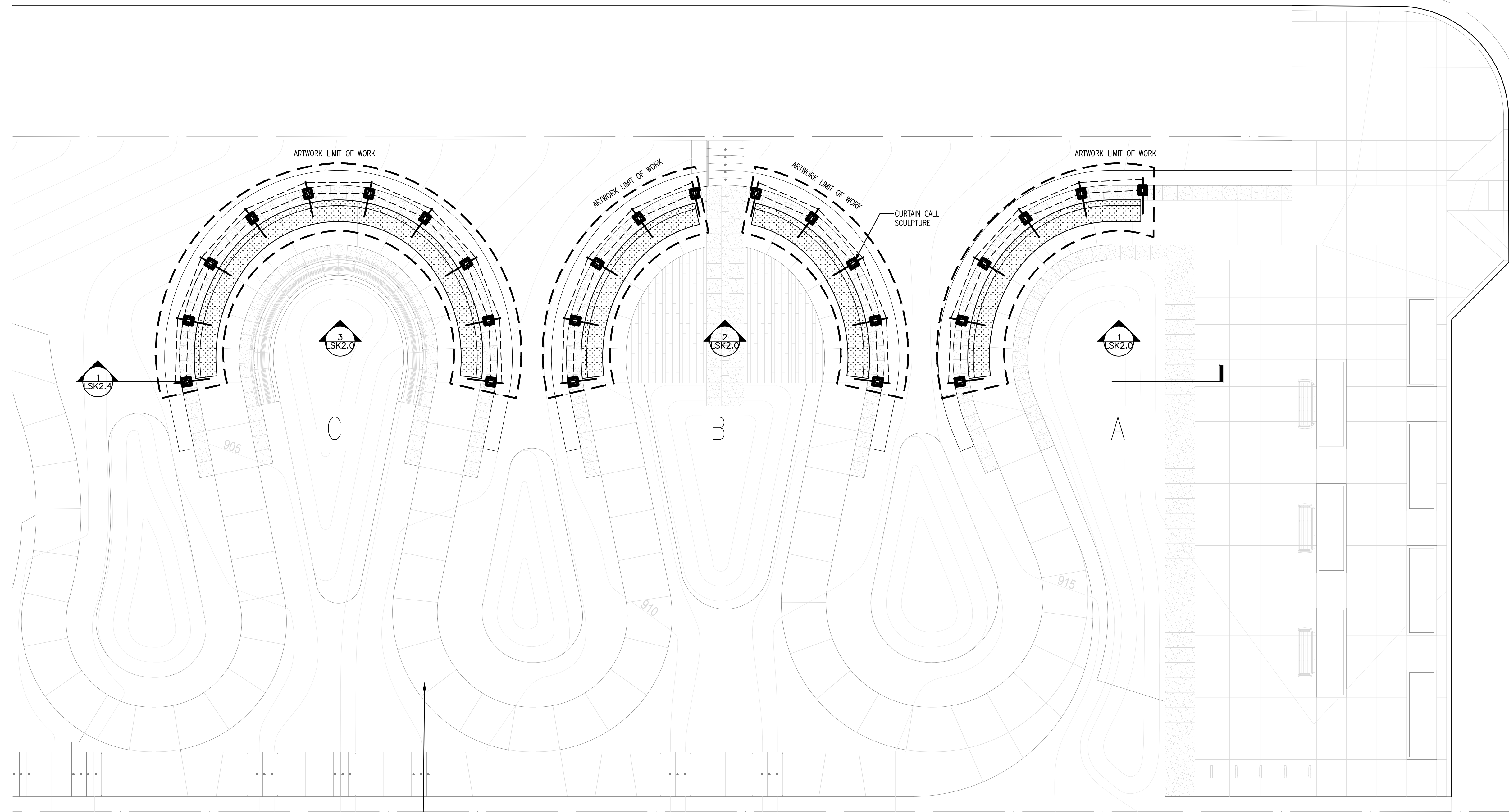
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WYLIE AVENUE



PATHWAY AND STEPS, BY OTHERS. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS

NOTES:

1. REFER TO CIVIL FOR ALL EXISTING CONDITIONS CONSIDERATIONS.
2. REFER TO CIVIL DRAWINGS FOR GRADING INFORMATION.
3. REFER TO LANDSCAPE DRAWINGS FOR PATH & STEPS LAYOUT AND DIMENSIONS.



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CURTAIN CALL -  
OVERALL SITE PLAN

Submission:  
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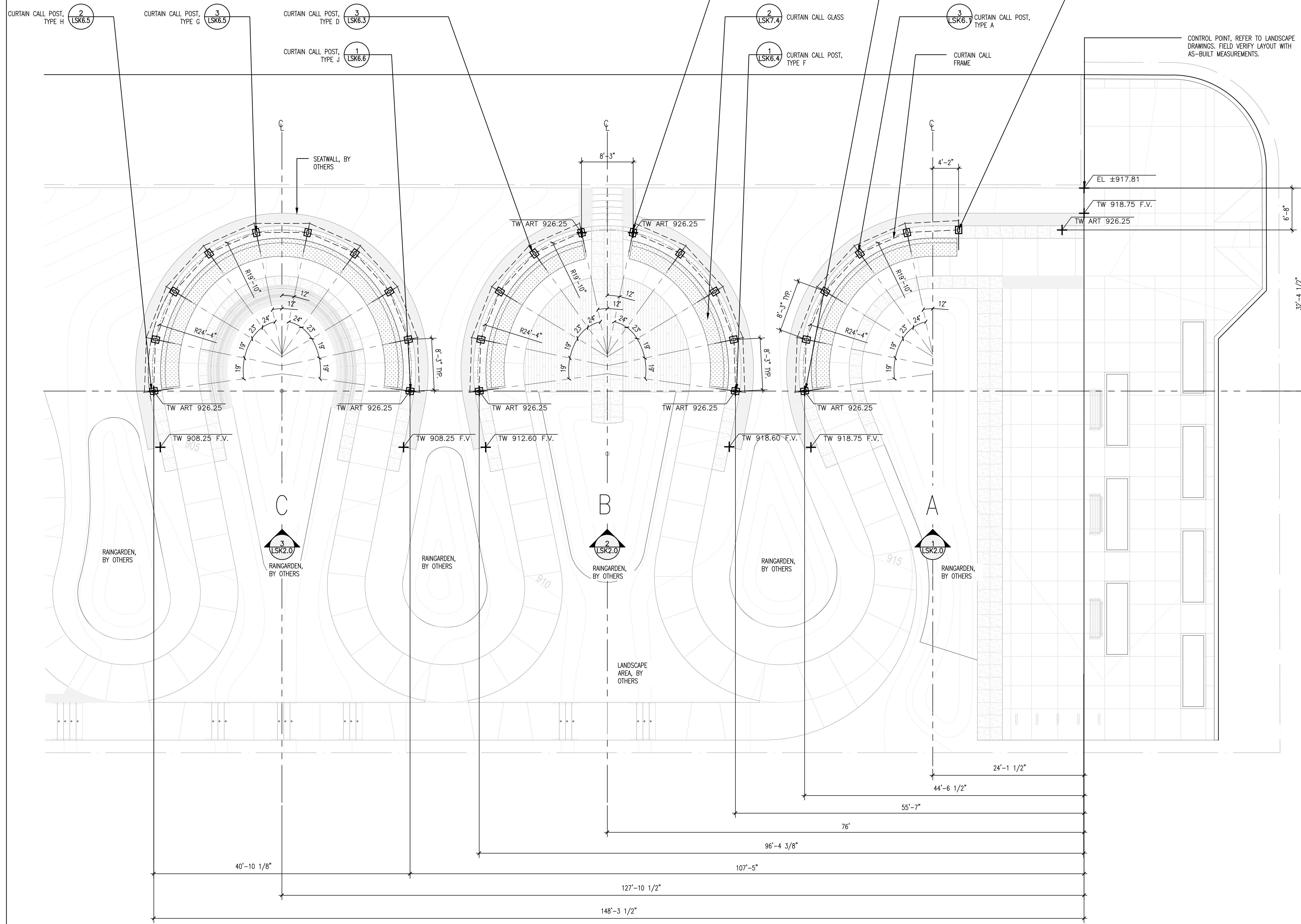
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1 OVERALL SITE PLAN  
SCALE: 1/8"=1'-0"

WYLIE AVE.



NOTES:

- REFER TO CIVIL DRAWINGS FOR OVERALL SITE LAYOUT.
- REFER TO LANDSCAPE ARCHITECTURE DRAWINGS FOR PAVING AND PLANTING INFORMATION.
- REFER TO STRUCTURAL DETAILS FOR INFORMATION ABOUT SITE STRUCTURES.

SITE WALLS SCHEDULE

KEY	SYMBOL	DESCRIPTION / LOCATION	DETAIL NUMBER
W1		GLASS CURTAIN WALL	2/LSK7.4
W3		WALL FRAMING	1,2,3/LSK6.1 1,2,3/LSK6.2 1,2,3/LSK6.3 1,2,3/LSK6.4 1,2,3/LSK6.5 1,2,3/LSK6.6
W3		WALL POST	SEE PLAN



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CURTAIN CALL LAYOUT PLAN

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1 CURTAIN CALL - LAYOUT PLAN  
 SCALE: 1/8"=1'-0"



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Sheet Name:  
**CURTAIN CALL -  
AUDIO AND LIGHTING PLAN**

Submission:  
**100% Construction Documents**

Sheet Number:  
**LSK1.3**

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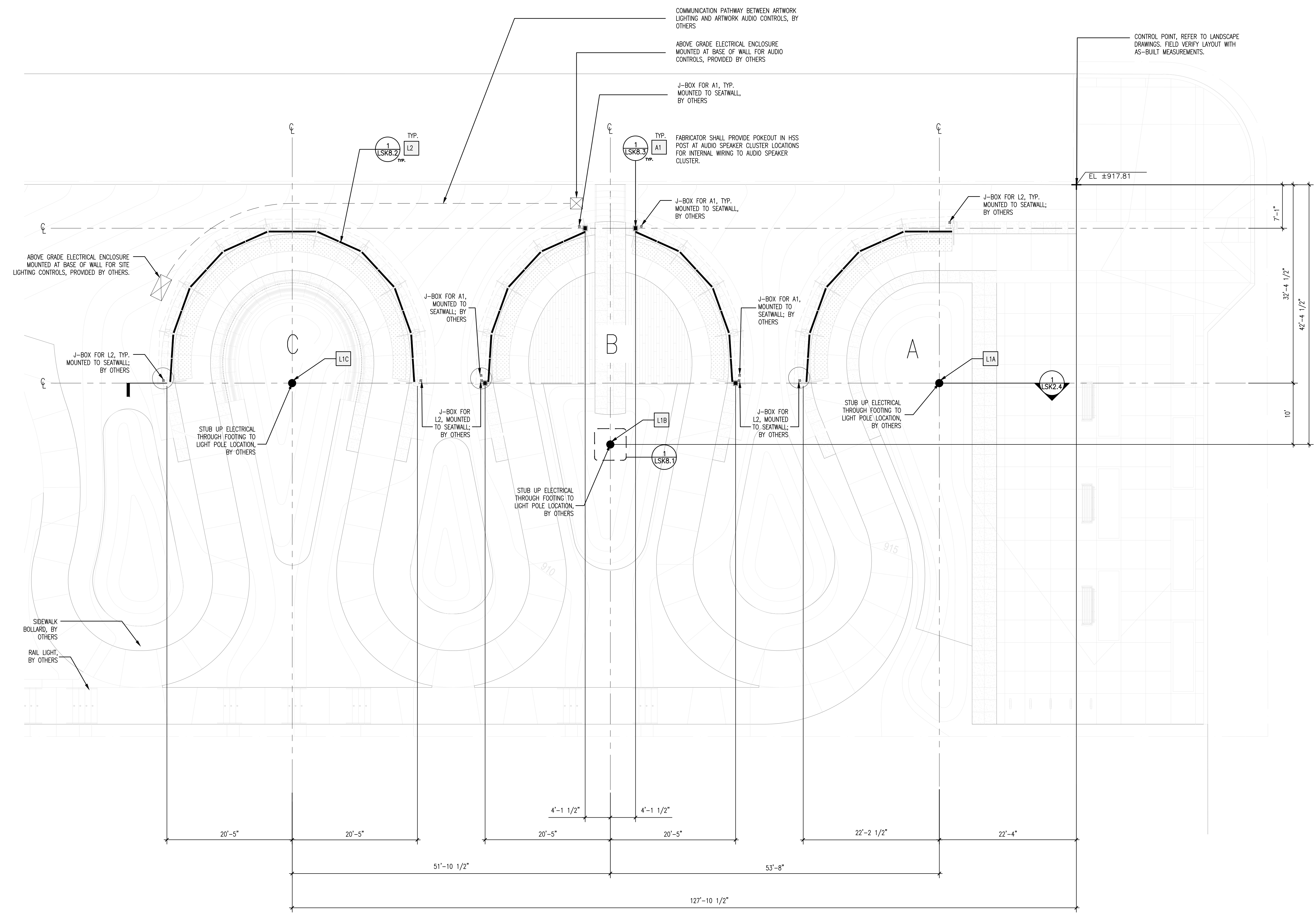
**NOTES:**

1. LIGHTING PLAN SHOWS CONCEPTUAL REFERENCE ONLY. REFER TO LANDSCAPE ARCHITECT'S ELECTRICAL DRAWINGS.
2. ELECTRICAL CONTRACTOR SHALL CONNECT NEW ARTWORK LIGHTING TO EXISTING SITE POWER.
3. REFER TO CIVIL DRAWINGS FOR OVERALL SITE LAYOUT.
4. REFER TO LANDSCAPE ARCHITECTURE DRAWINGS FOR PAVING AND PLANTING INFORMATION.
5. REFER TO STRUCTURAL DETAILS FOR INFORMATION ABOUT SITE STRUCTURES.
6. FABRICATOR SHALL PROVIDE POKEOUT IN POST HSS BASE ON WHICH A1 SPEAKER CLUSTERS ARE MOUNTED.
7. FABRICATOR SHALL PROVIDE POKEOUT IN FASCIA AT L2 J-BOX LOCATIONS TO L2 FIXTURE.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE L2 DOWNLIGHTING AT EACH CURTAIN AREA IN TWO EQUAL RUNS STARTING FROM THE J-BOX LOCATIONS. EACH RUN SHALL BE CONTROLLED SEPARATELY SO THE FASCIA CAN BE EVENLY ILLUMINATED OVER ITS VARIABLE HEIGHT.
9. AUDIO SYSTEM DRAWINGS AND SPECIFICATIONS SHALL BE PROVIDED AS A DEFERRED SUBMITTAL.
10. A/E CONTRACTOR SHALL REFER TO AUDIO SYSTEM DRAWINGS AND SPECIFICATIONS TO PROCURE AND INSTALL AUDIO ELECTRONIC COMPONENTS, TERMINATE CABLING, CONFIGURE, TEST, AND COMMISSION THE AUDIO SYSTEM.

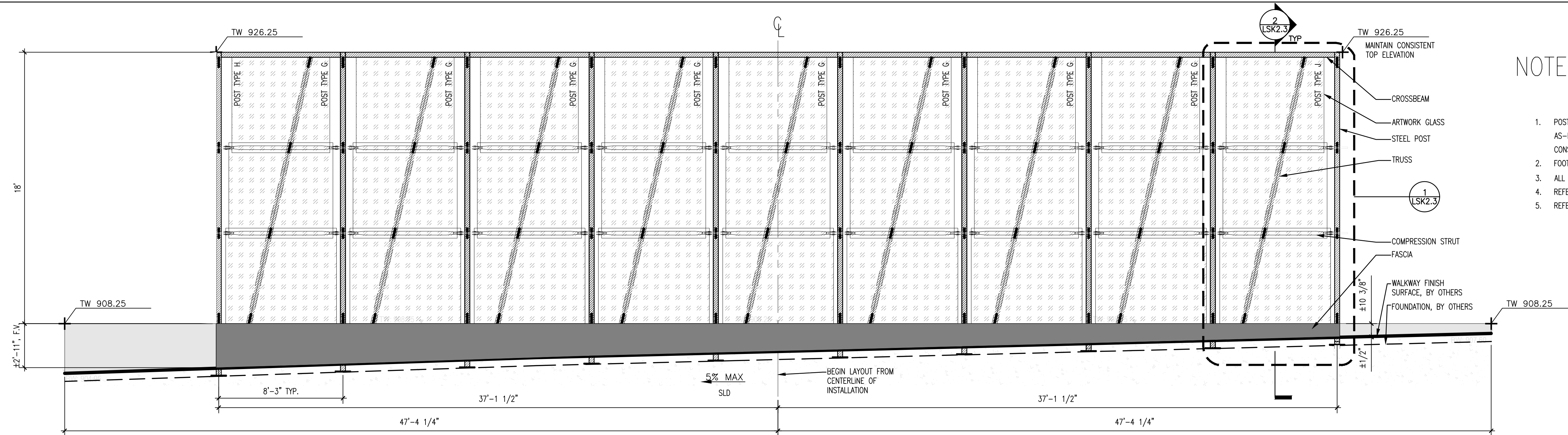
**AUDIO AND VISUAL SCHEDULE**

KEY	SYMBOL	DESCRIPTION / LOCATION
L1A	●	MULTI-HEAD LIGHT POLE IN RAINGARDEN AREA A
L1B	●	MULTI-HEAD LIGHT POLE IN RAINGARDEN AREA B
L1C	●	MULTI-HEAD LIGHT POLE IN RAINGARDEN AREA C
L2	—	LINEAR DOWNLIGHTING AT ARTWORK FASCIA
A1	■	CUSTOM AUDIO SPEAKER CLUSTER MOUNTED ON CURTAIN CALL FRAME

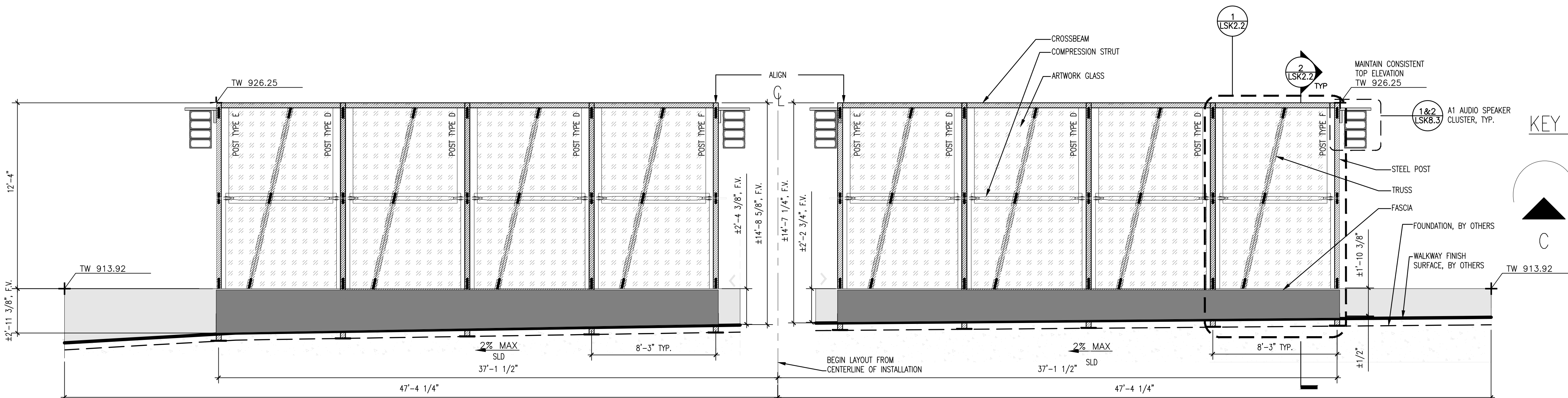
KEY	QTY.	DETAIL NUMBER	SPEC. SECTION
L1A	1/ 3 FIXTURES	LSK8.1	
L1B	1/ 8 FIXTURES	LSK8.1	
L1C	1/ 12 FIXTURES	LSK8.1	
L2	44	1/LSK8.2	
A1	4	1/LSK8.3	



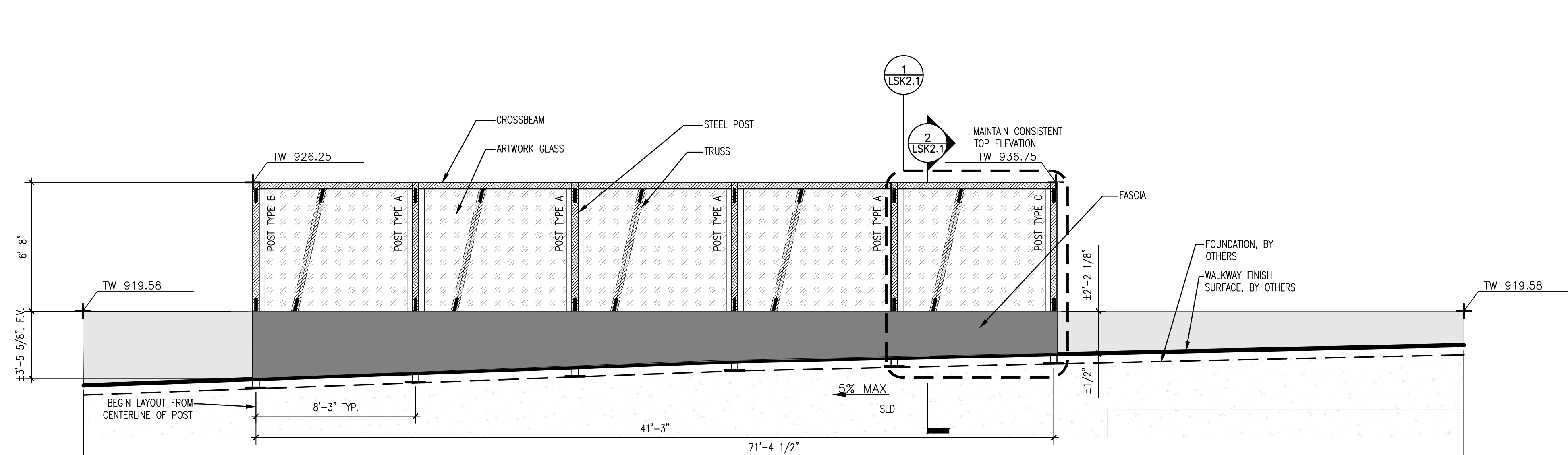
**1 CURTAIN CALL - AUDIO AND VISUAL LAYOUT PLAN**  
SCALE: 1/8"=1'-0"



3 CURTAIN CALL AREA C – UNFOLDED ELEVATION  
SCALE: 1/4"=1'-0"



2 CURTAIN CALL AREA B – UNFOLDED ELEVATION  
SCALE: 1/4"=1'-0"

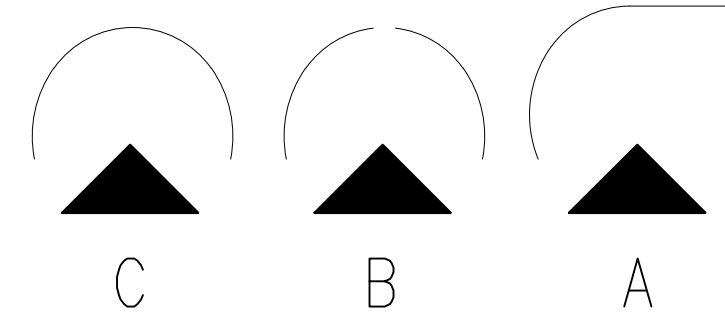


1 CURTAIN CALL AREA A – UNFOLDED ELEVATION  
SCALE: 1/4"=1'-0"

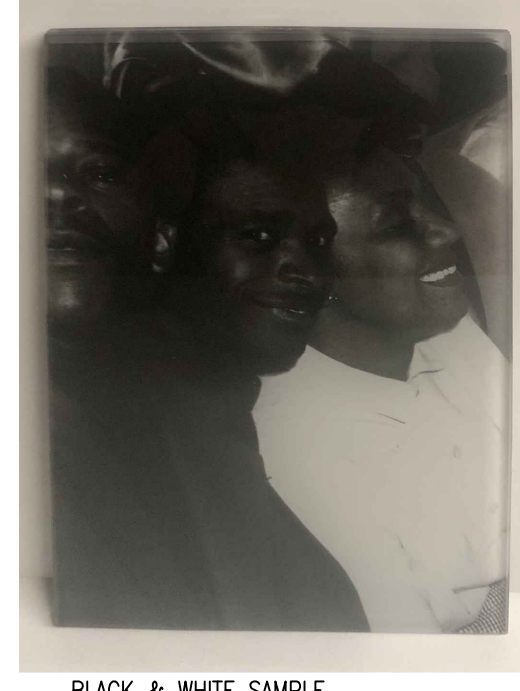
NOTES:

1. POSTS SHALL BE CUT TO LENGTH ON SITE BASED PER AS-BUILT FOOTING ELEVATIONS. LEVEL POSTS TO MAINTAIN CONSTANT TOP ELEVATION.
2. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
3. ALL ELEVATIONS SHALL BE FIELD VERIFIED (F.V)
4. REFER TO CIVIL FOR ALL EXISTING CONDITIONS.
5. REFER TO CIVIL DRAWINGS FOR GRADING INFORMATION.

KEY PLAN



COLOR SAMPLE



BLACK & WHITE SAMPLE

LAMINATED GLASS WITH SGB INTERLAYER

COMMUNITY IMAGES DIGITIZED AND PRINTED ON SGB INTERLAYER WITH 200% WHITE INVERSE

4 CURTAIN CALL – ARTWORK GLASS SAMPLES  
NTS



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CURTAIN CALL  
UNROLLED ELEVATIONS

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NOTES:

1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION.
3. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT.
4. FABRICATOR SHALL PROVIDE DISCRETE WEEP HOLES ON HSS MEMBERS. VERIFY THROUGH DEFERRED SHOP DRAWING SUBMITTAL.
5. GLASS SHALL BE LAMINATED WITH SBG INTERLAYER, PER GLASS SE.



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CURTAIN CALL AREA A-  
ELEVATION AND SECTION

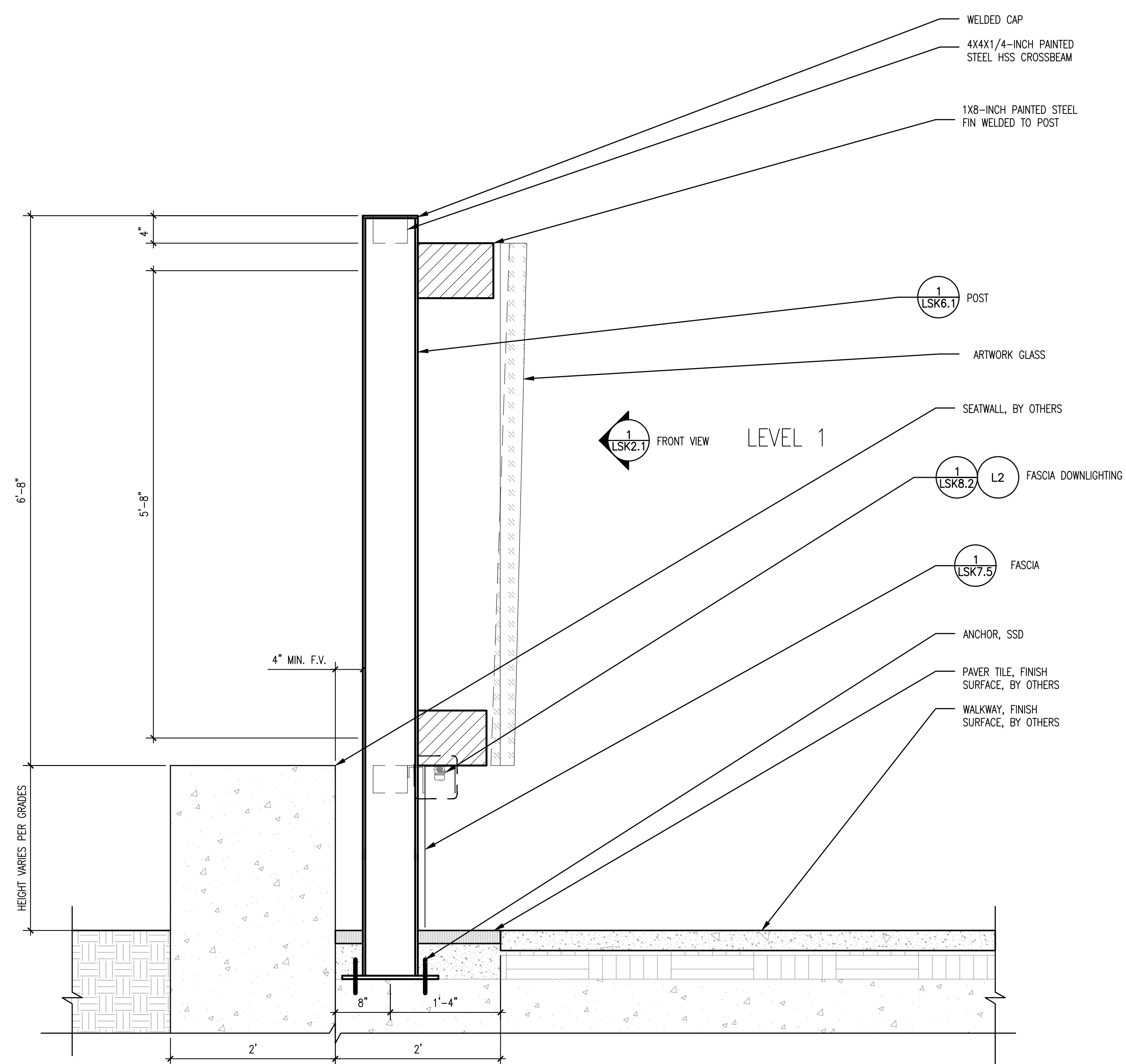
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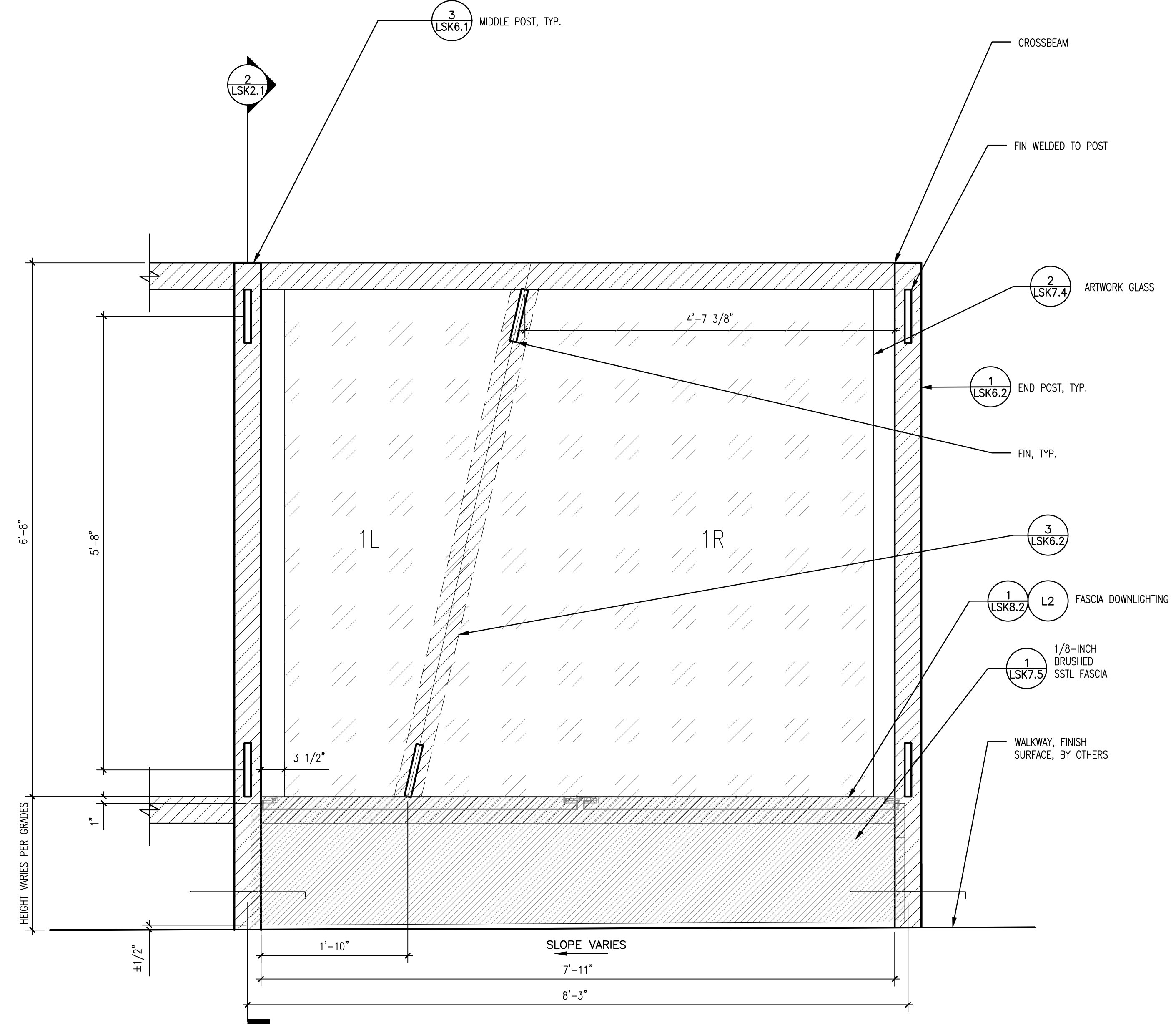
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2 CURTAIN CALL AREA A – TYPICAL UNIT SECTION  
SCALE: 1"=1'-0"



1 CURTAIN CALL AREA A – TYPICAL UNIT FRONT VIEW ELEVATION  
SCALE: 1"=1'-0"

- NOTES:
1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
  2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION.
  3. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT.
  4. FABRICATOR SHALL PROVIDE DISCRETE WEEP HOLES ON HSS MEMBERS. VERIFY THROUGH DEFERRED SHOP DRAWING SUBMITTAL.
  5. GLASS SHALL BE LAMINATED WITH SBG INTERLAYER, PER GLASS SE.



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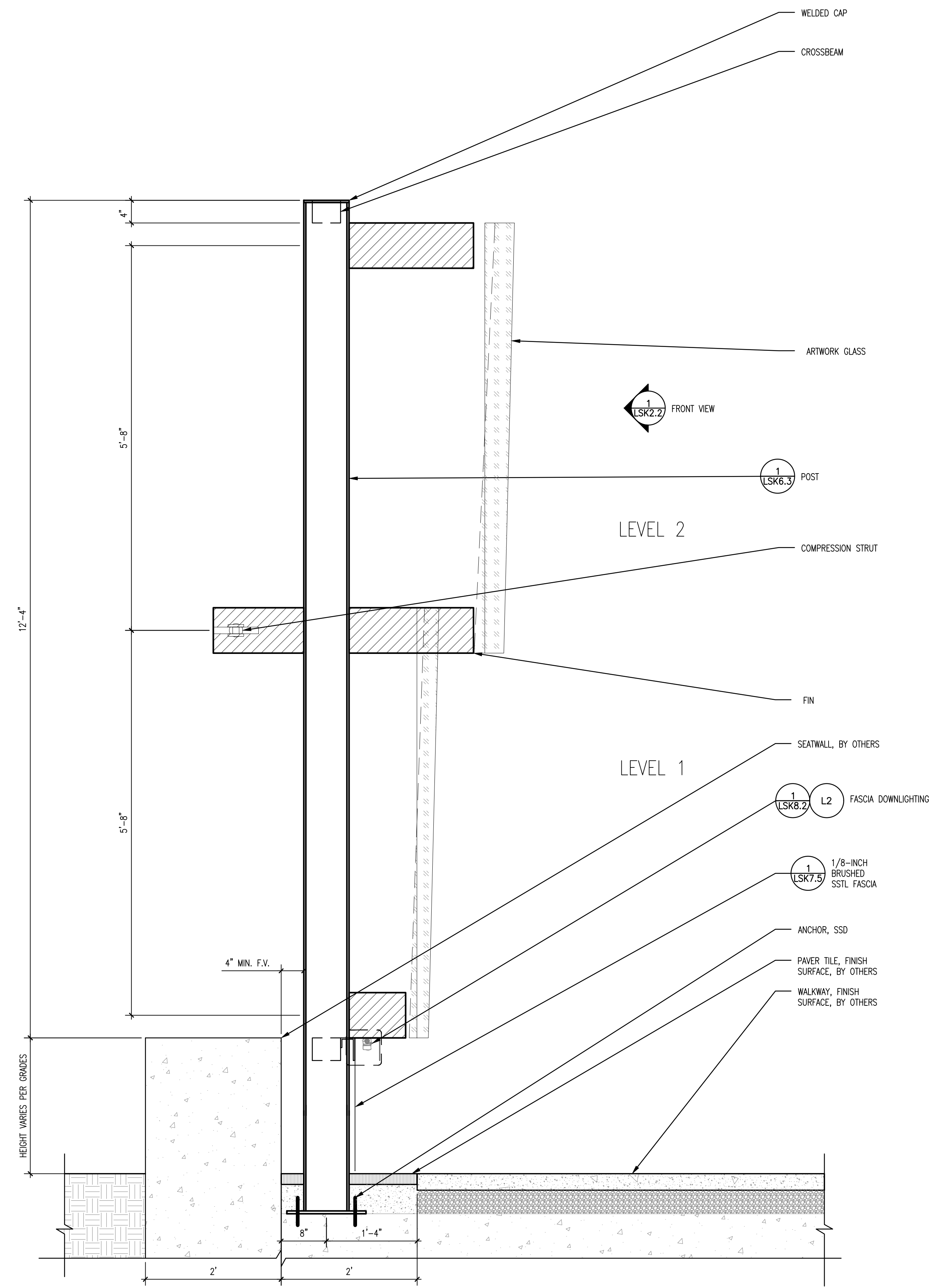
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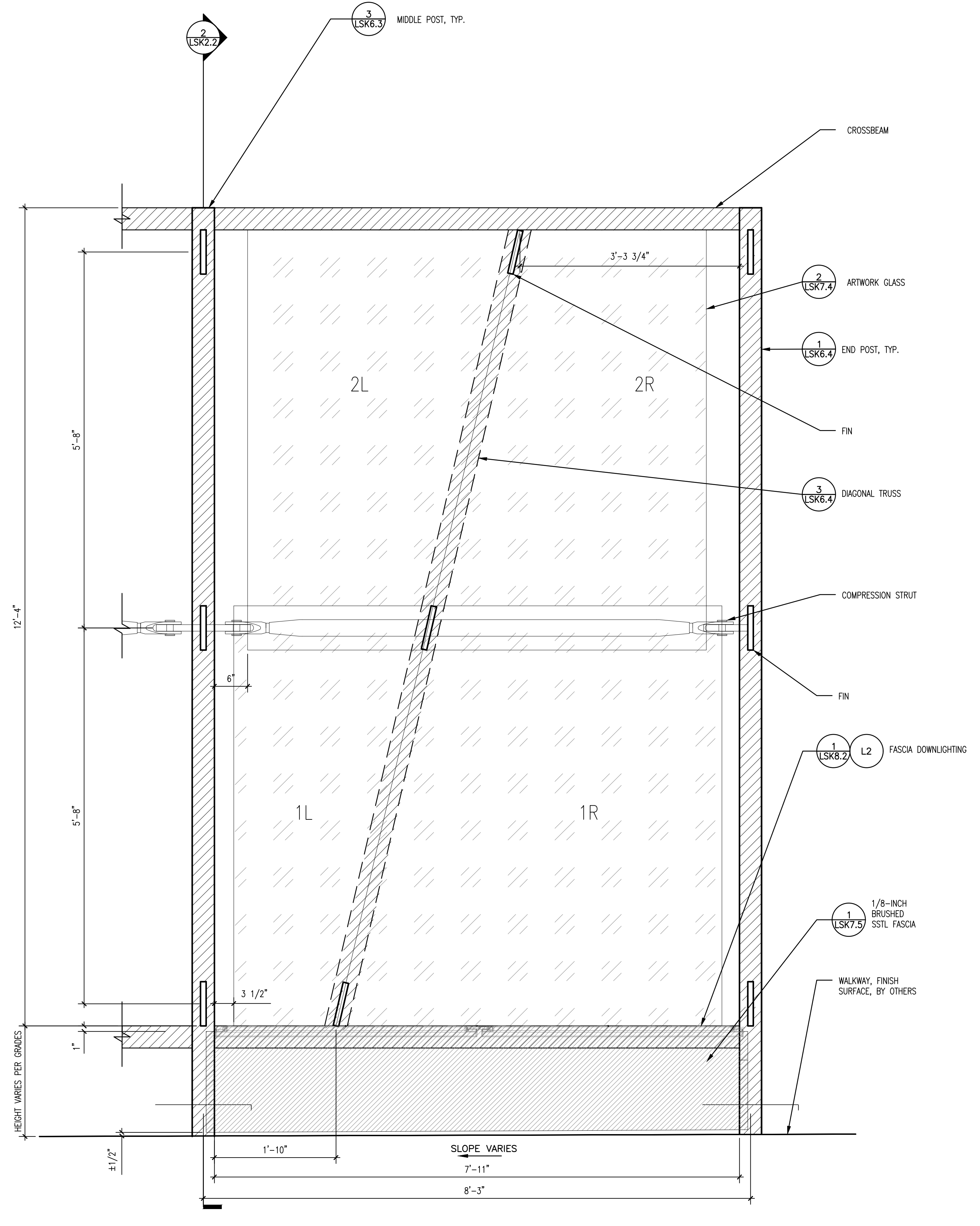
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**CURTAIN CALL AREA B- ELEVATION AND SECTION**  
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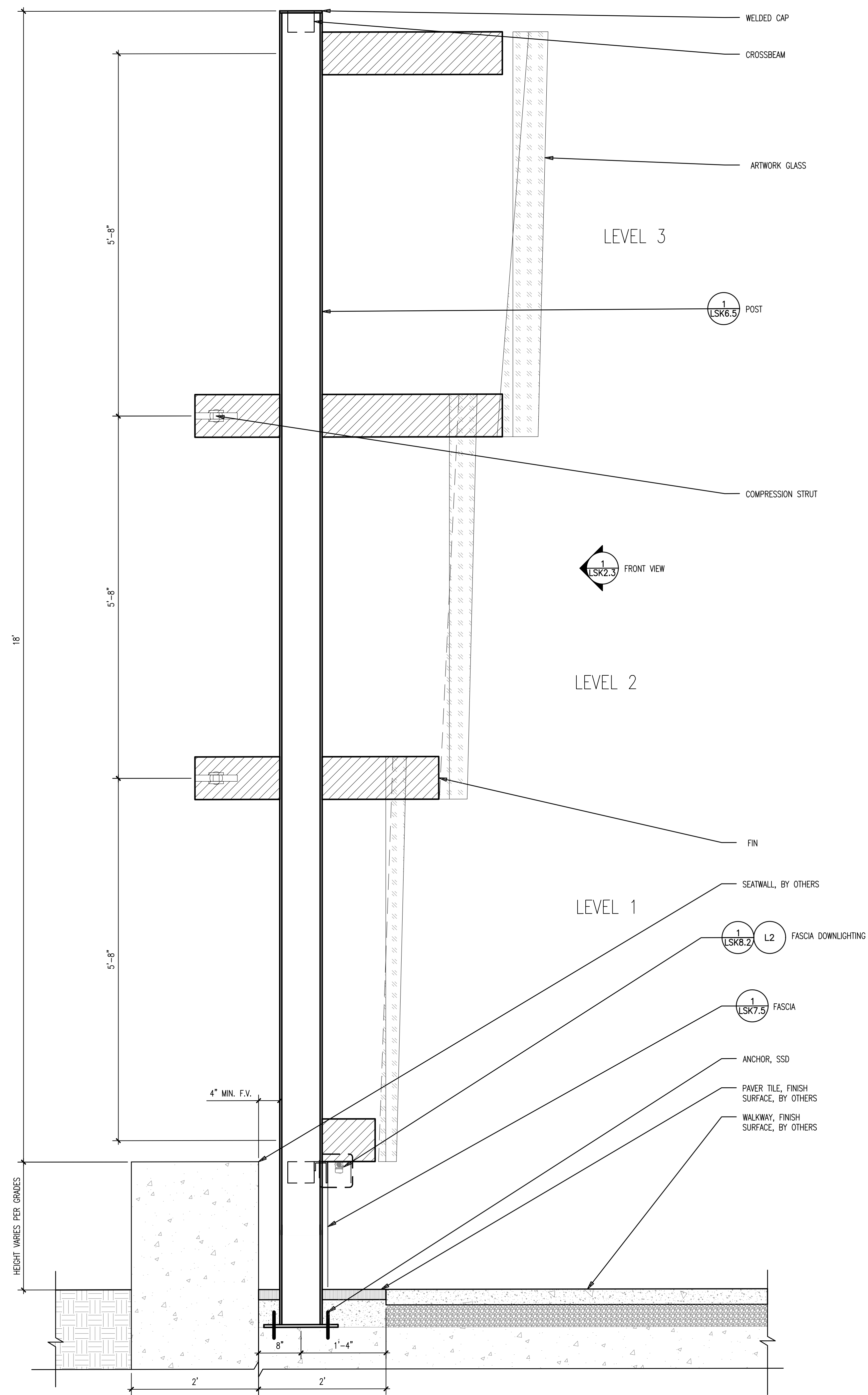
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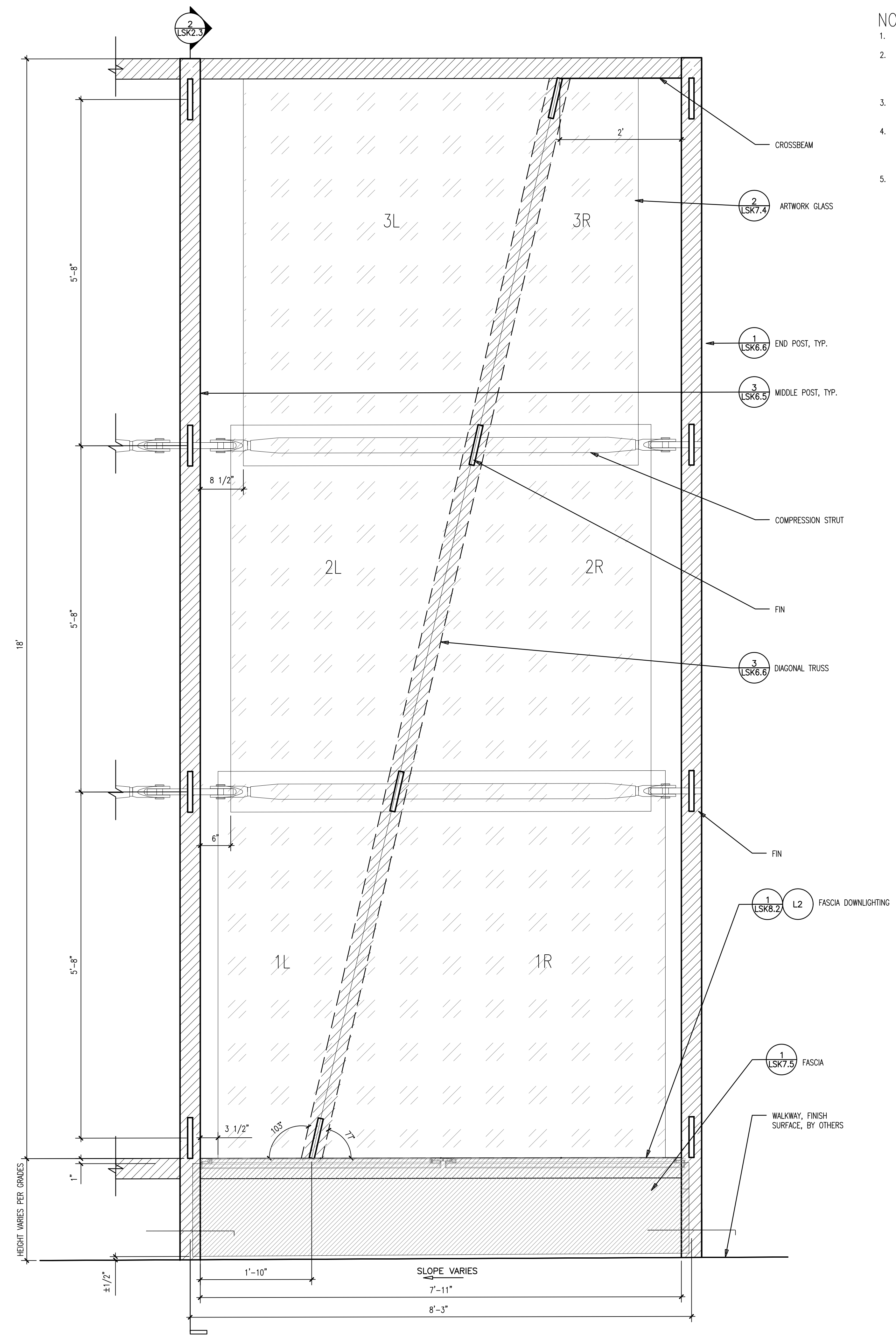
2 CURTAIN CALL AREA B – TYPICAL UNIT SECTION  
 SCALE: 1"=1'-0"



1 CURTAIN CALL AREA B – TYPICAL UNIT FRONT ELEVATION  
 SCALE: 1"=1'-0"



2 CURTAIN CALL AREA C – TYPICAL UNIT SECTION  
SCALE: 1"=1'-0"



1 CURTAIN CALL AREA C – TYPICAL UNIT FRONT VIEW ELEVATION  
SCALE: 1"=1'-0"

NOTES:

1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT.
3. FABRICATOR SHALL PROVIDE DISCRETE WEEP HOLES ON HSS MEMBERS. VERIFY THROUGH DEFERRED SHOP DRAWING SUBMITTAL.
4. GLASS SHALL BE LAMINATED WITH SBG INTERLAYER, PER GLASS SE.



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CURTAIN CALL AREA C-  
ELEVATION AND SECTION

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CURTAIN CALL  
SITE SECTION

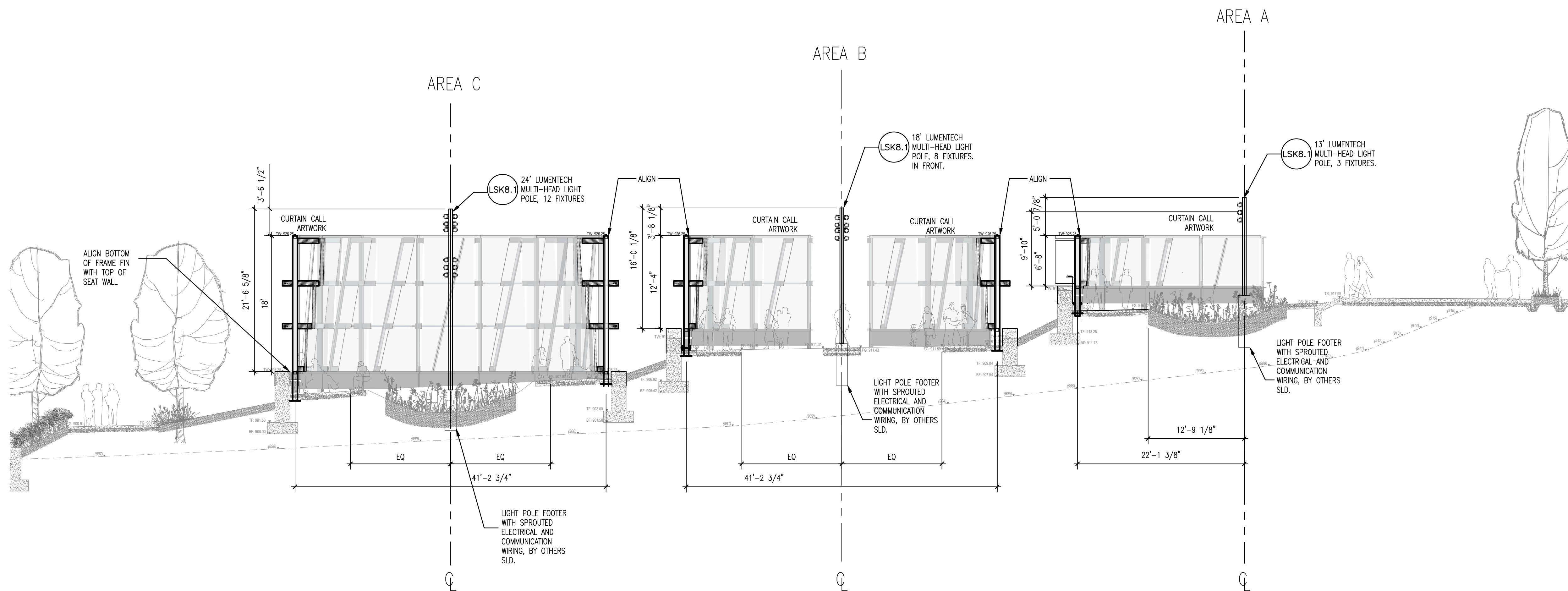
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1 CURTAIN CALL - SITE SECTION  
SCALE: 1/8"=1'-0"





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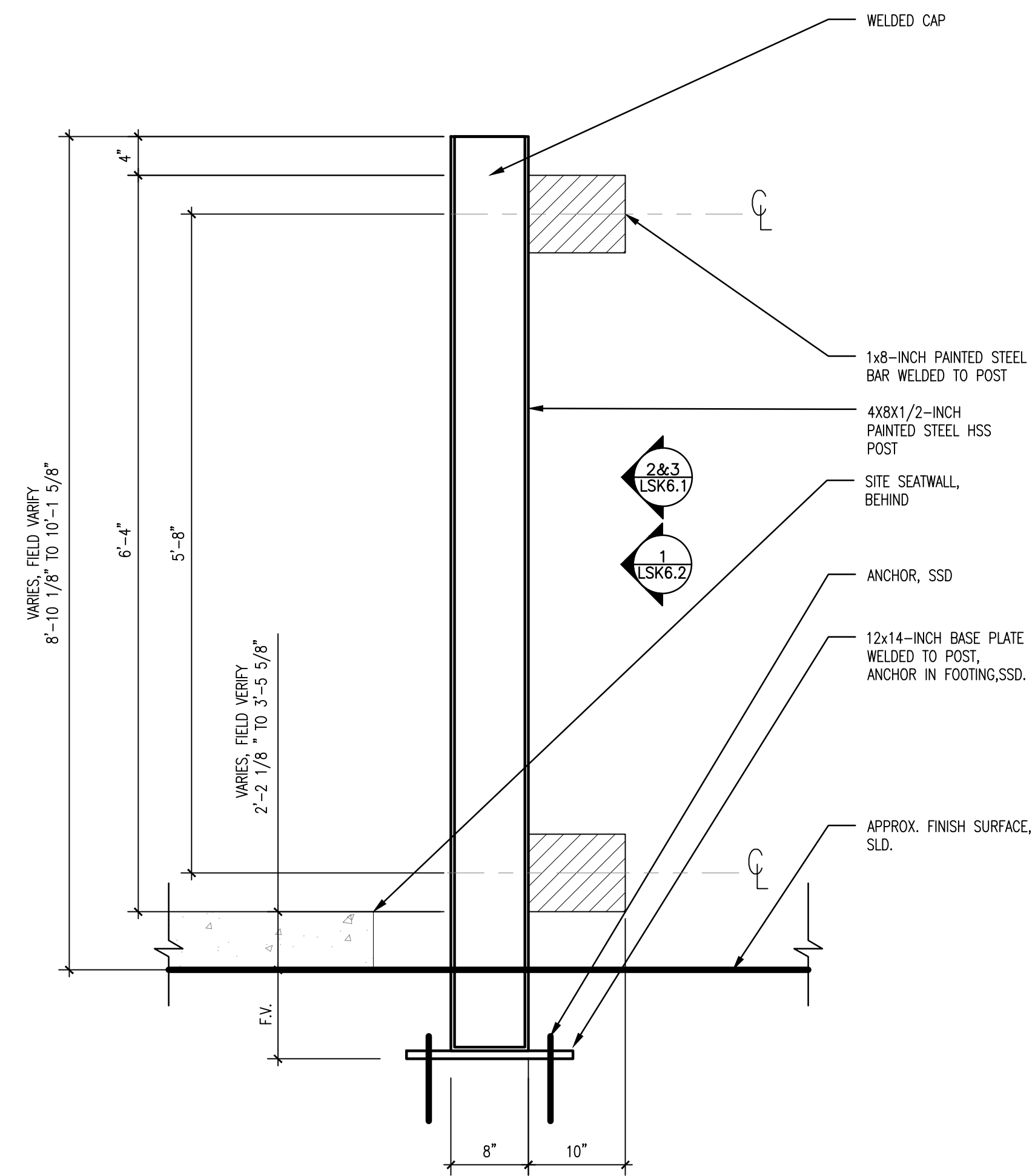
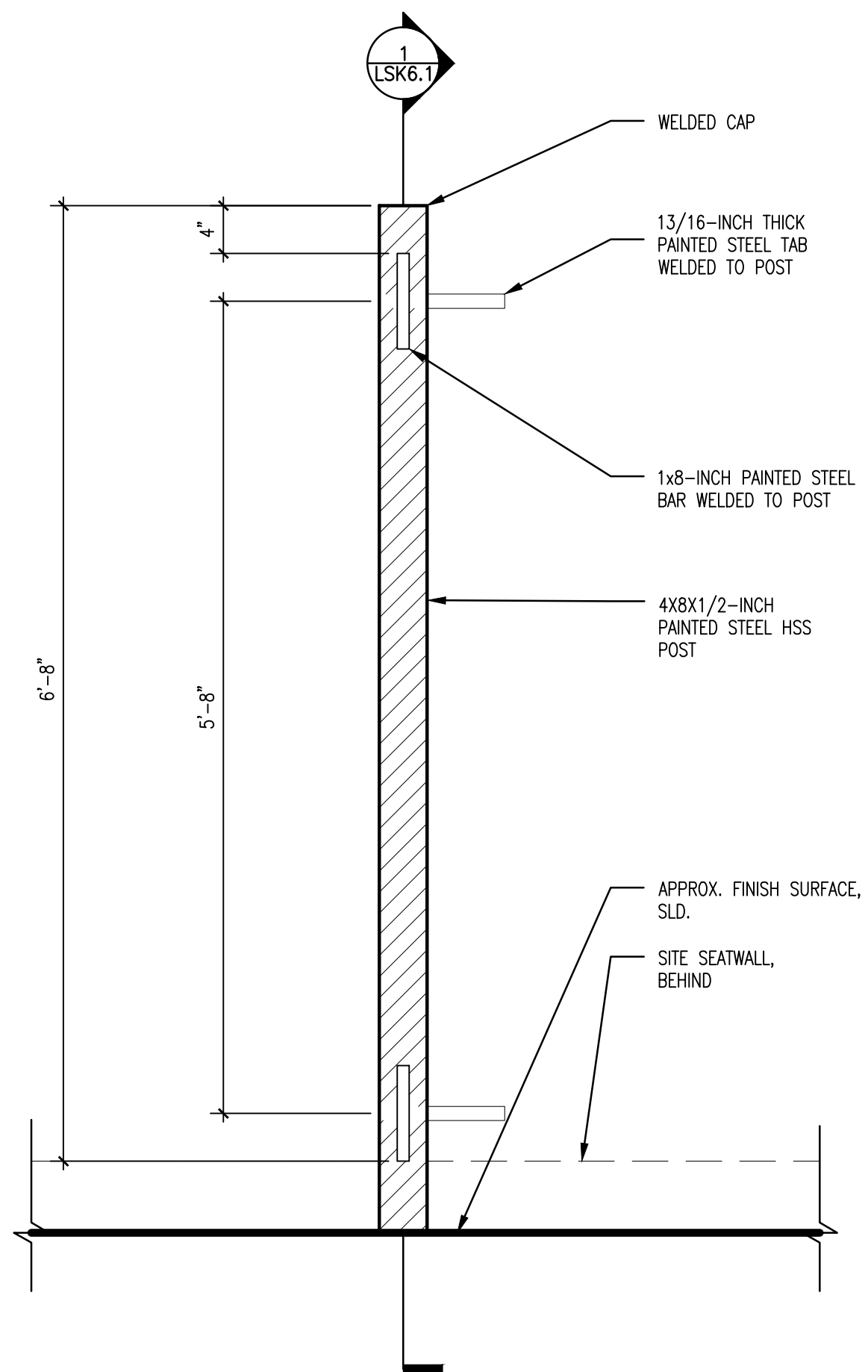
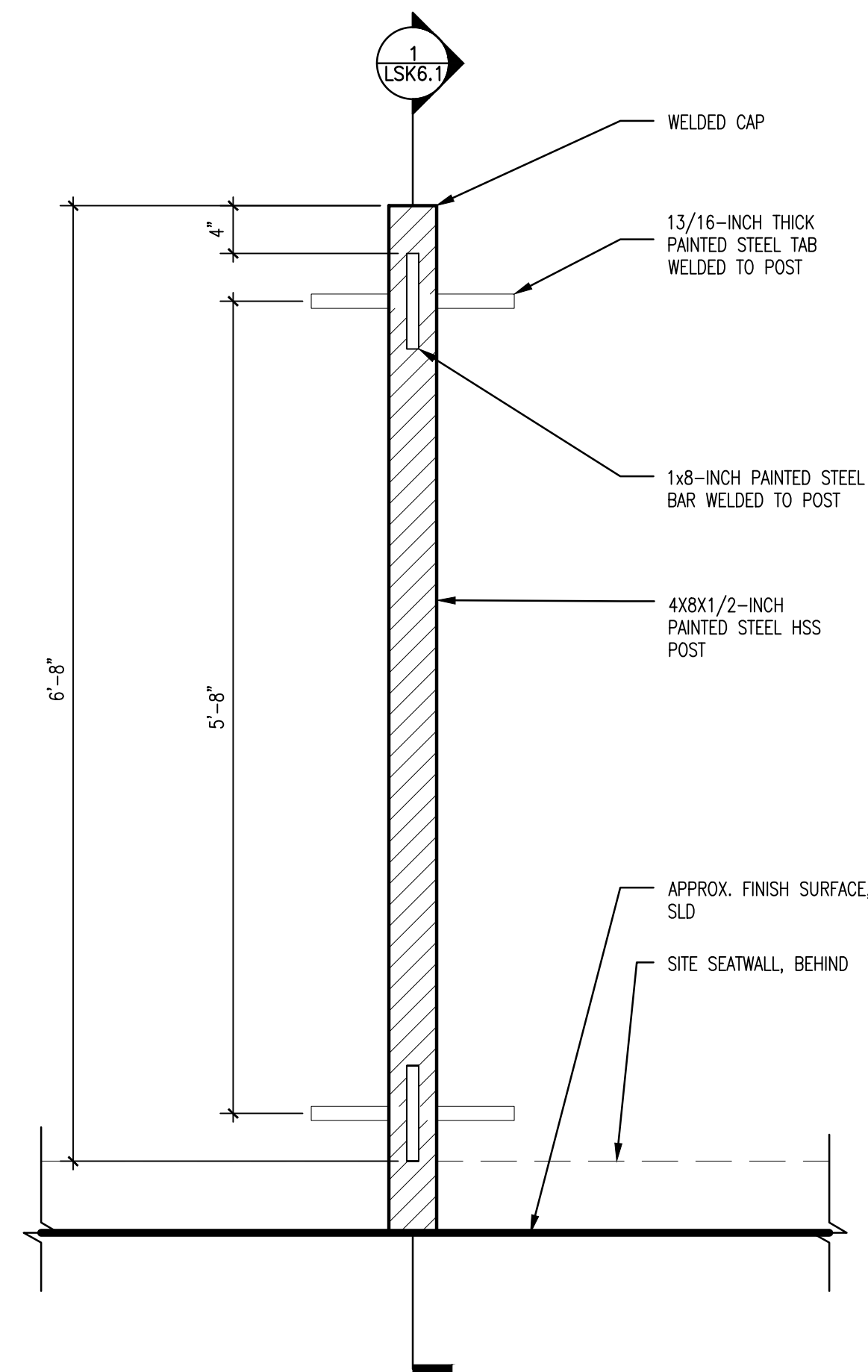
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NOTES:

1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION.
3. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT. REFER TO SHEET LSK2.1 FOR UNIT'S COMPOSITE AND FOOTING ASSEMBLY.



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CURTAIN CALL AREA A-  
FRAMING DETAILS

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3 AREA A, POST TYPE A - ELEVATION  
SCALE: 1"=1'-0"

2 AREA A, POST TYPE B - ELEVATION  
SCALE: 1"=1'-0"

1 CURTAIN CALL, POST AREA A, TYPES A, B & C - SECTION TYP.  
SCALE: 1"=1'-0"



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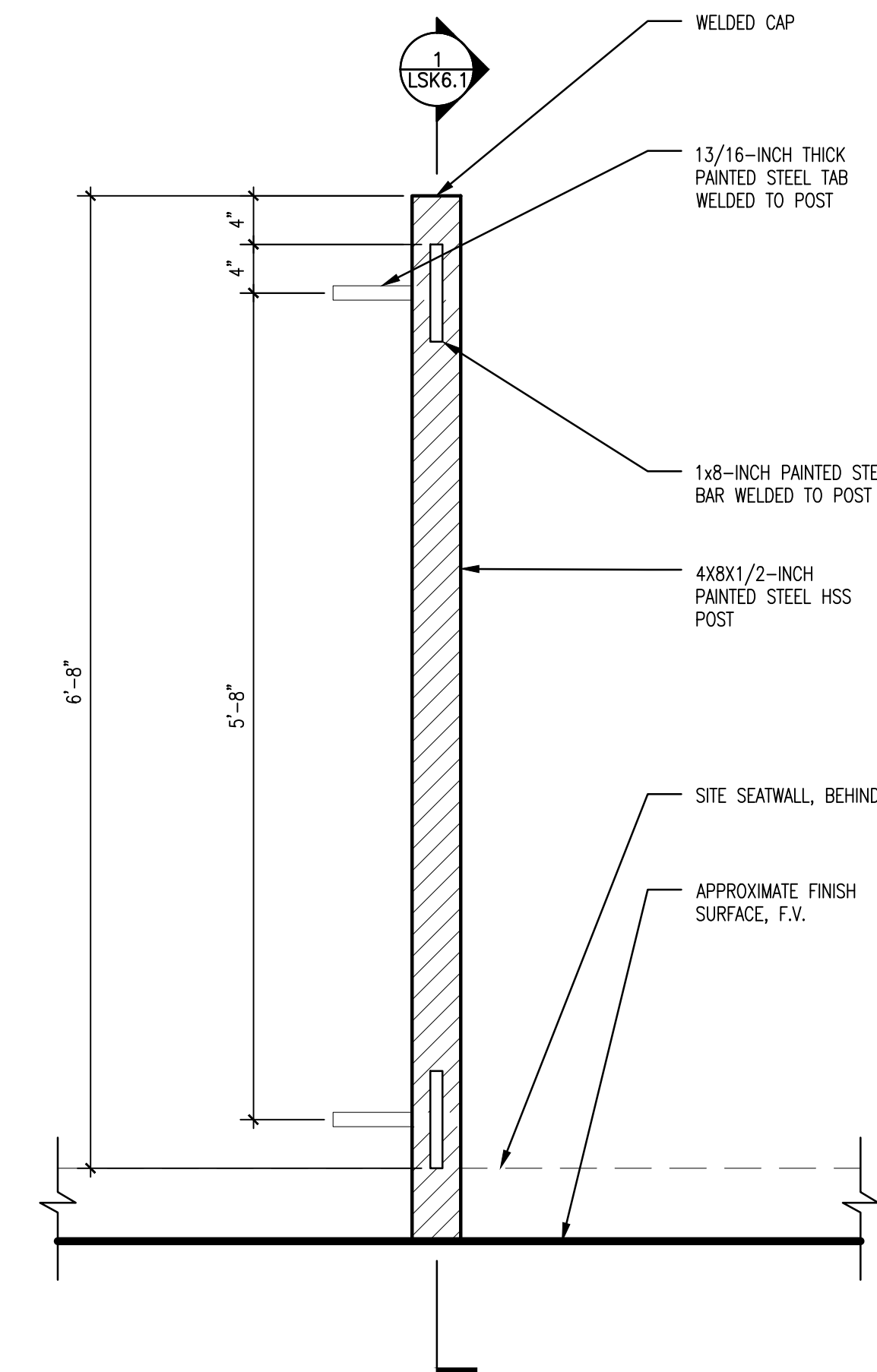
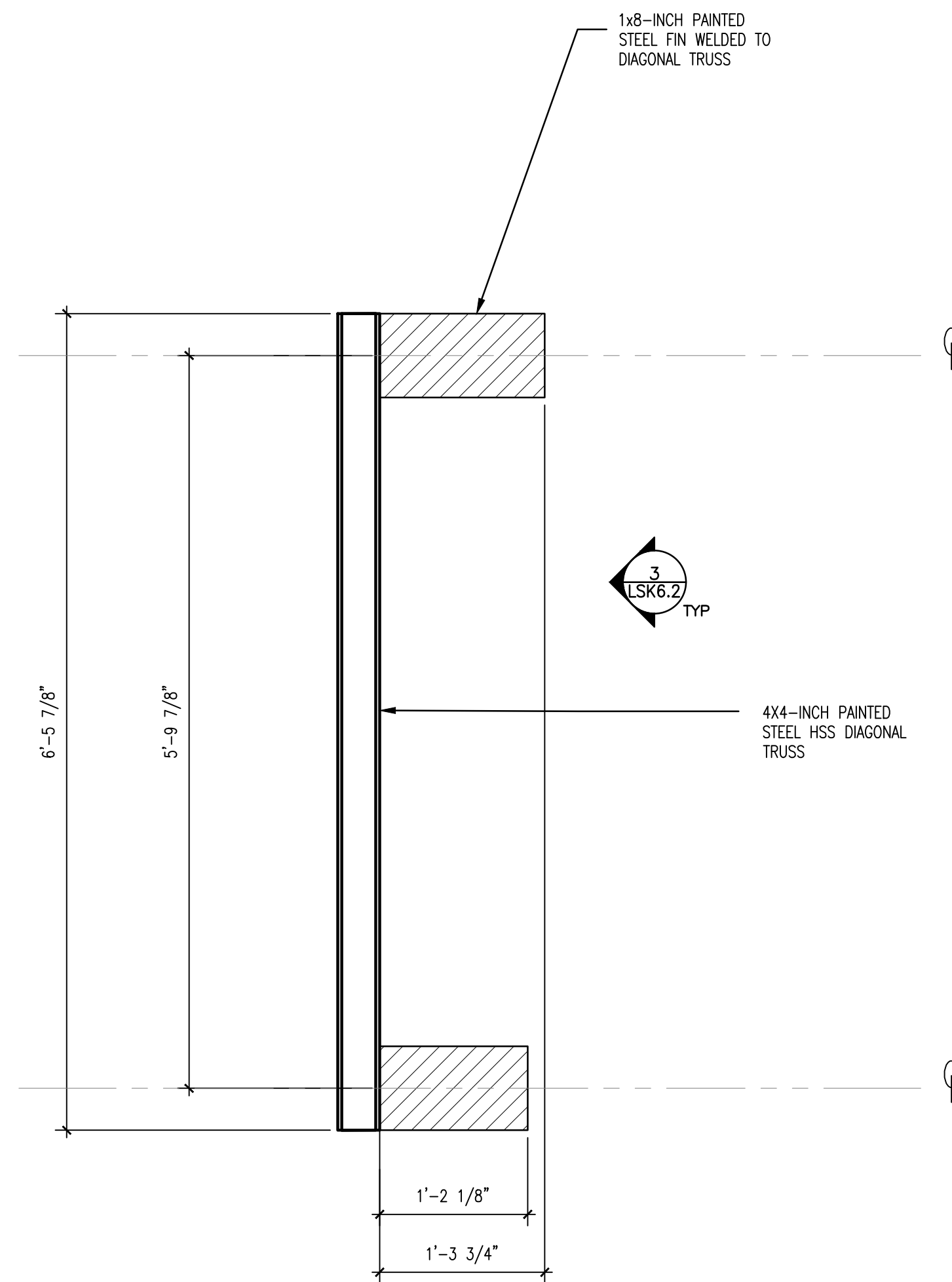
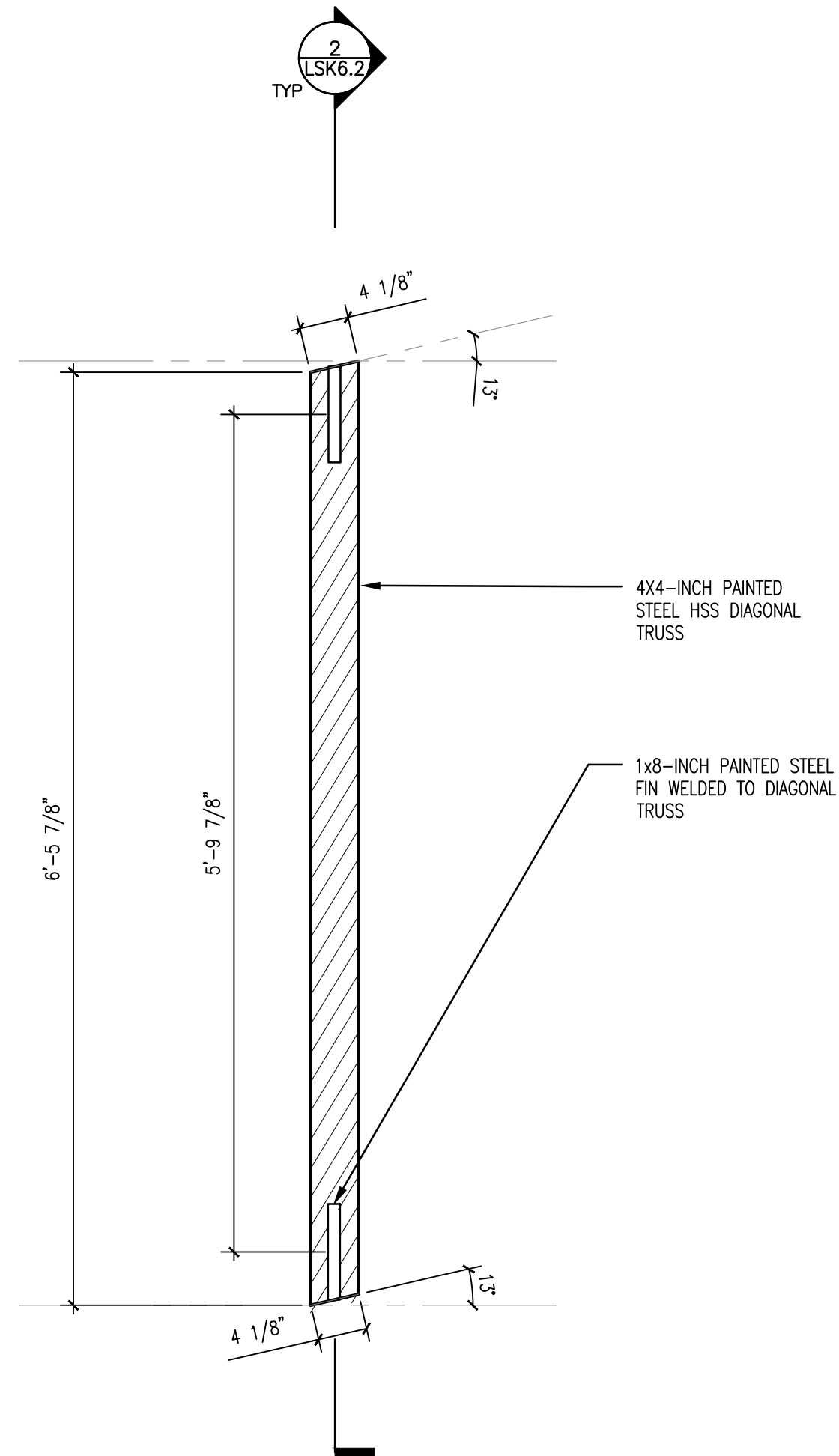
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NOTES:

1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION.
3. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT AND LEVELED WITH GROUT.
4. DIAGONAL FINNS ARE BASED OFF OF A 2-INCH BUFFER FROM GLASS PANEL SEAM LOCATION. FABRICATOR TO CONFIRM BUFFER DISTANCE IN MOCK-UP.
5. FABRICATOR SHALL PROVIDE WEEP HOLES ON DISCRETE HSS MEMBERS. PROVIDE IN DEFERRED SHOP DRAWING SUBMITTAL.
6. REFER TO SHEET LSK2.1 FOR UNIT'S COMPOSITE AND FOOTING ASSEMBLY.



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CURTAIN CALL AREA A -  
FRAMING DETAILS

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Sheet Number:

LSK6.2

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3 AREA A - DIAGONAL TRUSS ELEVATION  
SCALE: 1"=1'-0"

2 AREA A - DIAGONAL TRUSS SECTION  
SCALE: 1"=1'-0"

1 AREA A, POST TYPE C - ELEVATION  
SCALE: 1"=1'-0"



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21020-1  
Drawn by:  
SS  
Checked by:  
AD  
Date:  
April 28, 2023

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Scale:

Sheet Name:

CURTAIN CALL AREA B-  
FRAMING DETAILS

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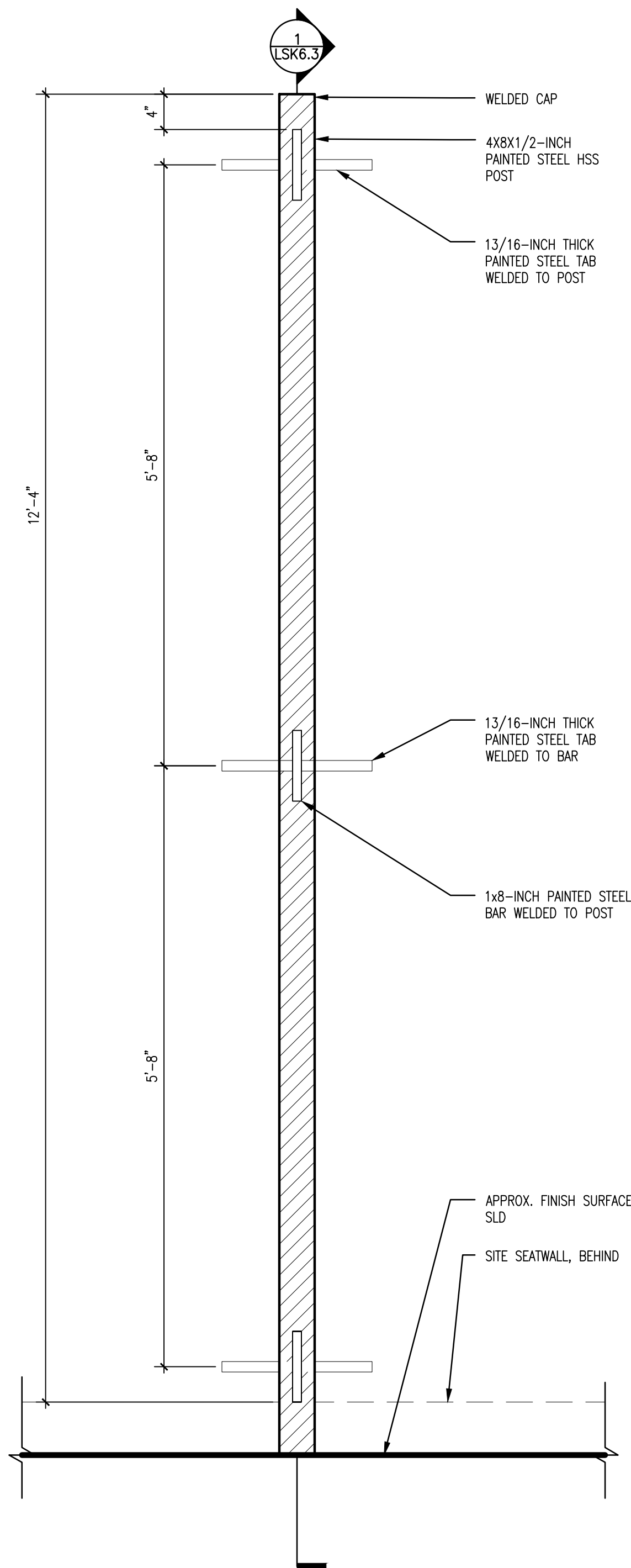
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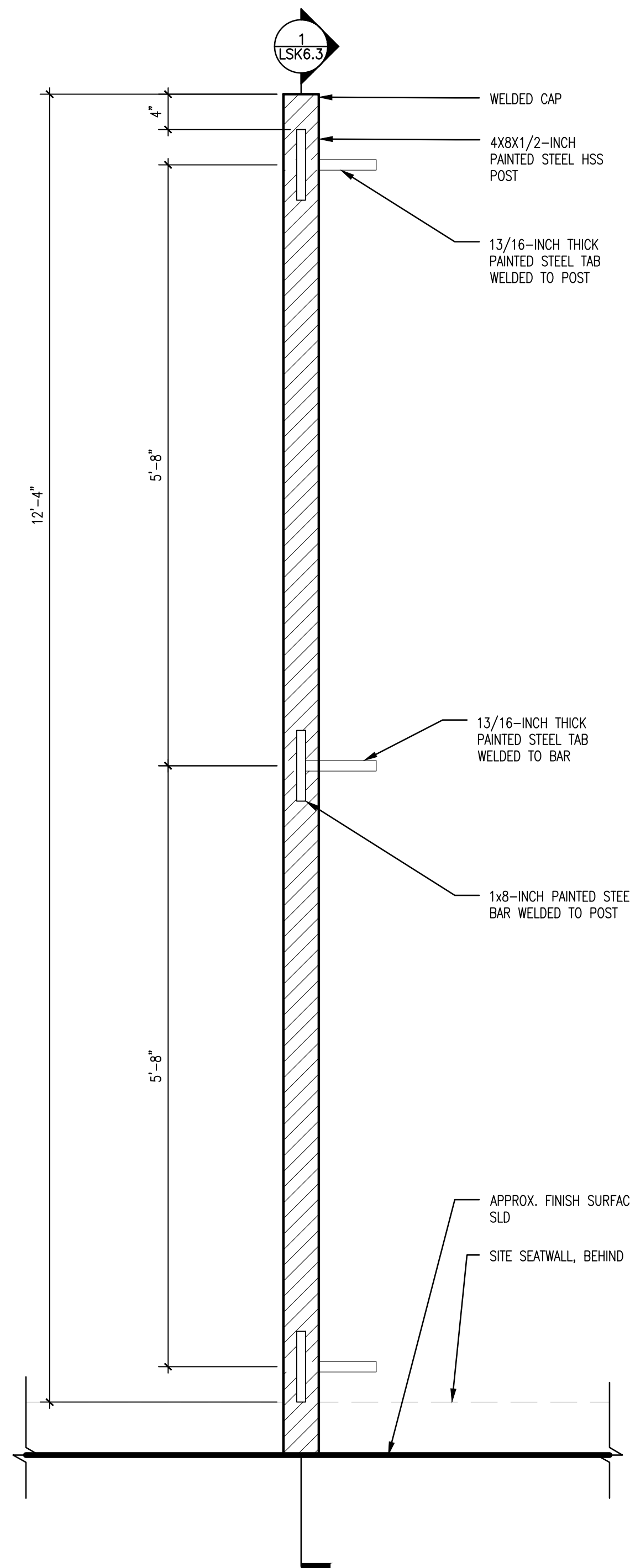
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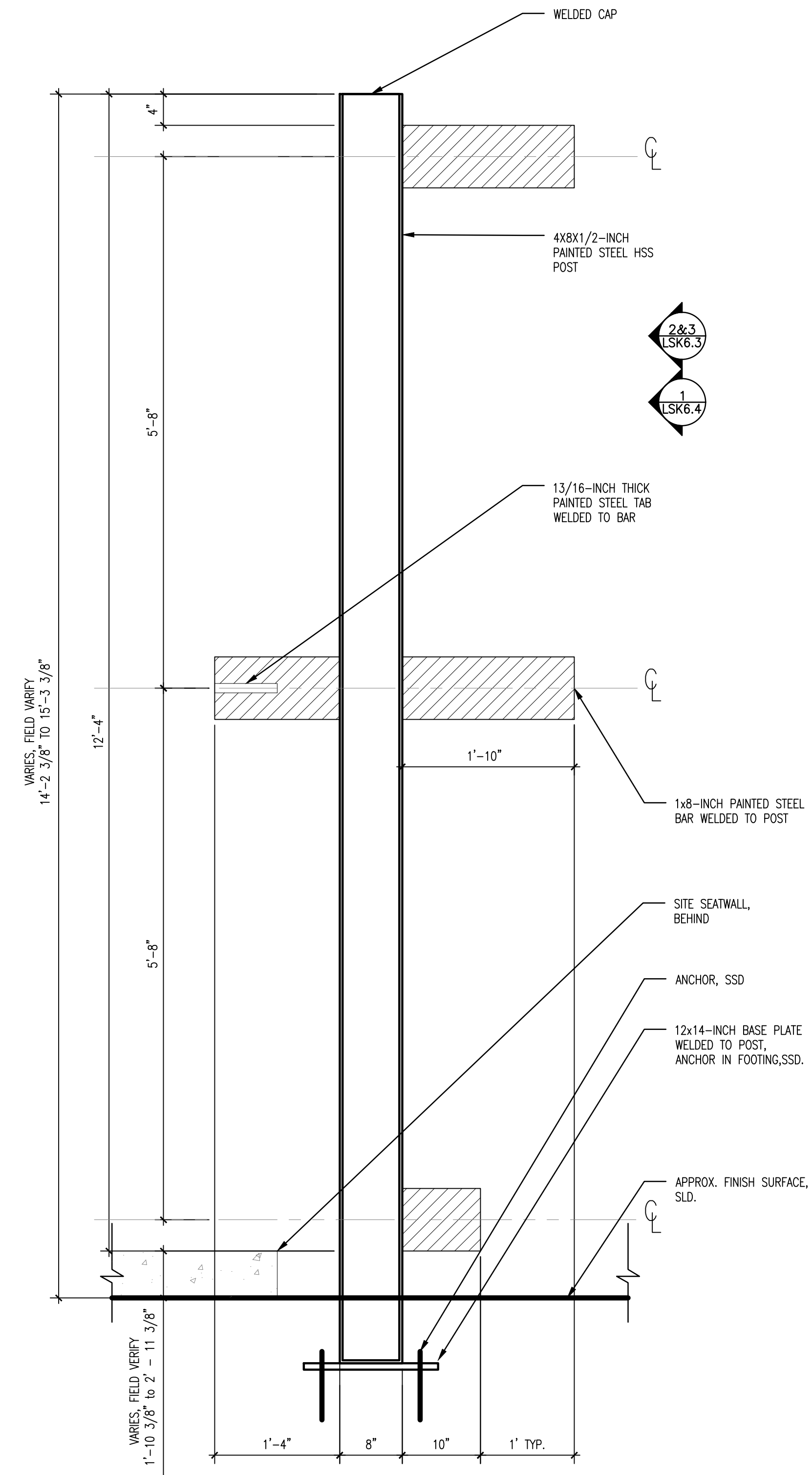
1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION.
3. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT. REFER TO SHEET LSK2.2 FOR UNIT'S COMPOSITE AND FOOTING ASSEMBLY.



3 AREA B, POST TYPE D - ELEVATION  
SCALE: 1"=1'-0"



2 AREA B, POST TYPE E - ELEVATION  
SCALE: 1"=1'-0"



1 CURTAIN CALL POST AREA B, TYPES D, E, F - SECTION TYP.  
SCALE: 1"=1'-0"



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CURTAIN CALL AREA B -  
FRAMING DETAILS

Submission:

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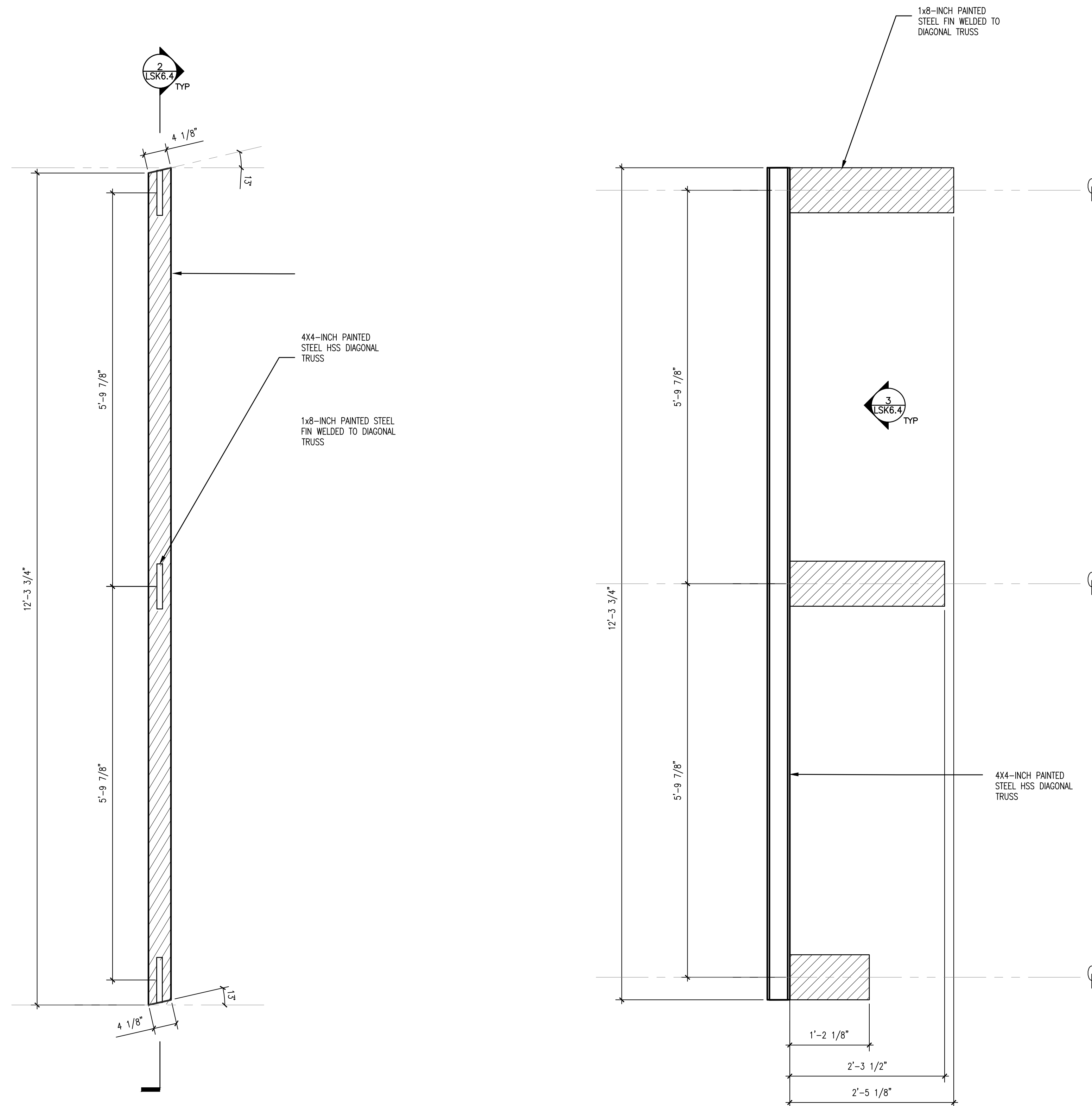
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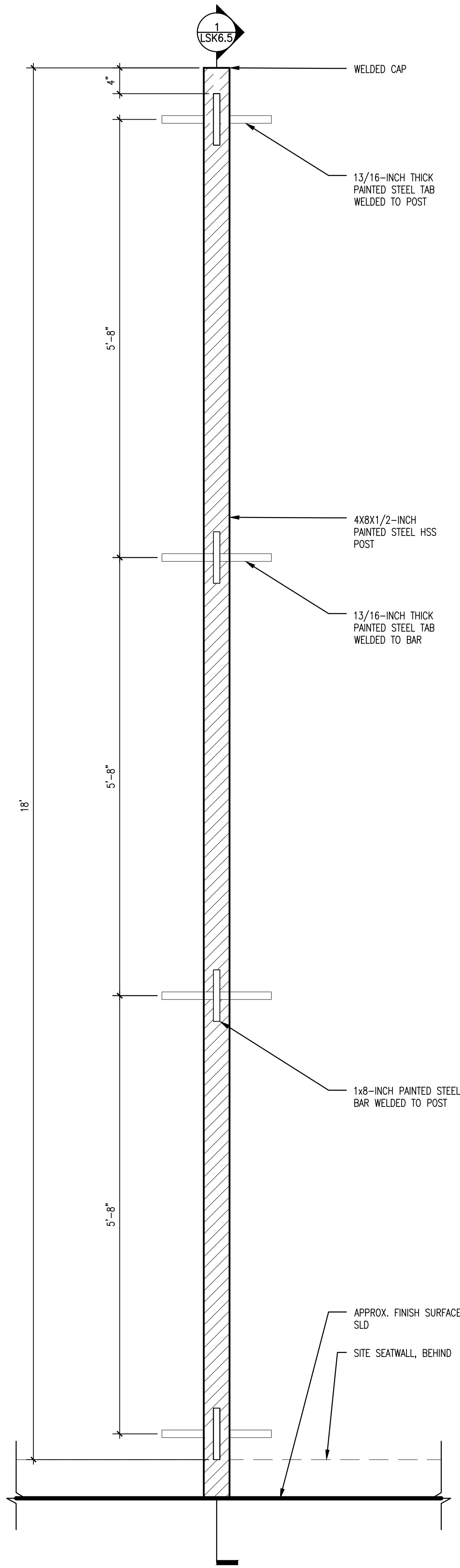
1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION.
3. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT AND LEVELED WITH GROUT.
4. DIAGONAL FINNS ARE BASED OFF OF A 2-INCH BUFFER FROM GLASS PANEL SEAM LOCATION. FABRICATOR TO CONFIRM BUFFER DISTANCE IN MOCK-UP.
5. FABRICATOR SHALL PROVIDE WEEP HOLES ON DISCRETE HSS MEMBERS. PROVIDE IN DEFERRED SHOP DRAWING SUBMITTAL.
6. REFER TO SHEET LSK2.2 FOR UNIT'S COMPOSITE AND FOOTING ASSEMBLY.



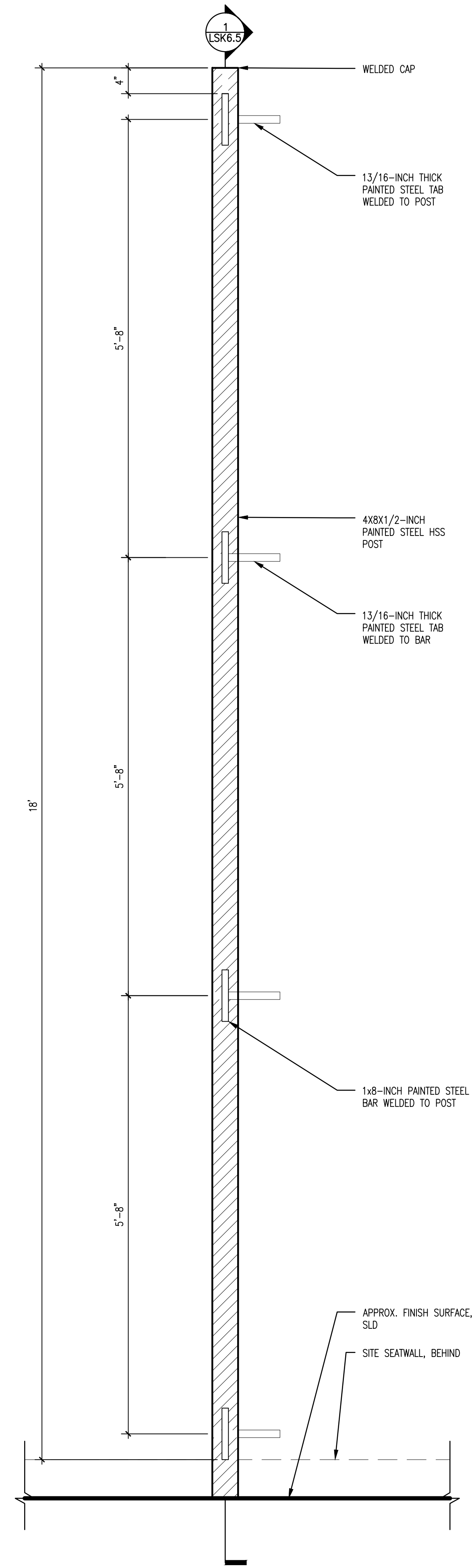
3 AREA B - DIAGONAL TRUSS ELEVATION  
SCALE: 1"=1'-0"

2 AREA B - DIAGONAL TRUSS SECTION  
SCALE: 1"=1'-0"

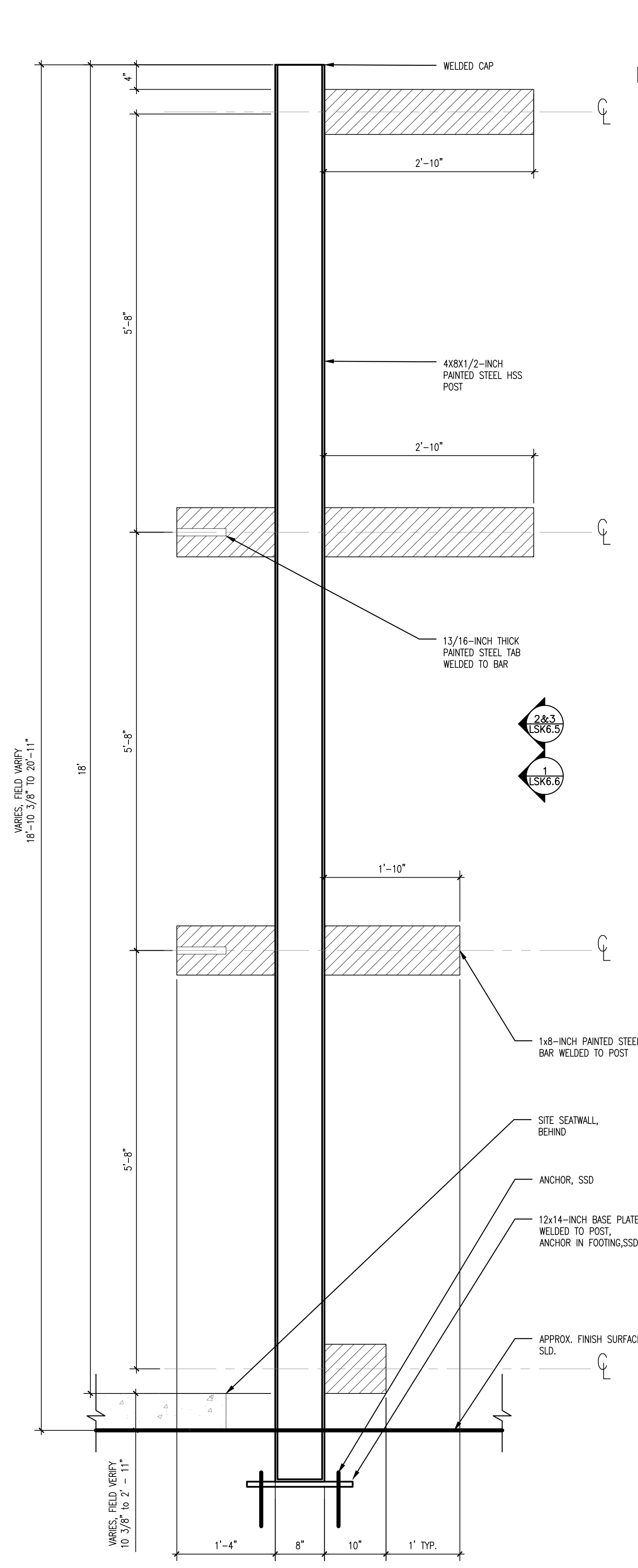
1 AREA B, POST TYPE F - ELEVATION  
SCALE: 1"=1'-0"



3 AREA C, POST TYPE G - ELEVATION  
SCALE: 1"=1'-0"



2 AREA C, POST TYPE H - ELEVATION  
SCALE: 1"=1'-0"



1 CURTAIN CALL POST AREA C, TYPES G, H, J - SECTION TYP.  
SCALE: 1"=1'-0"

NOTES:

1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION.
3. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT. REFER TO SHEET LSK2.3 FOR UNIT'S COMPOSITE AND FOOTING ASSEMBLY.



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Scale:

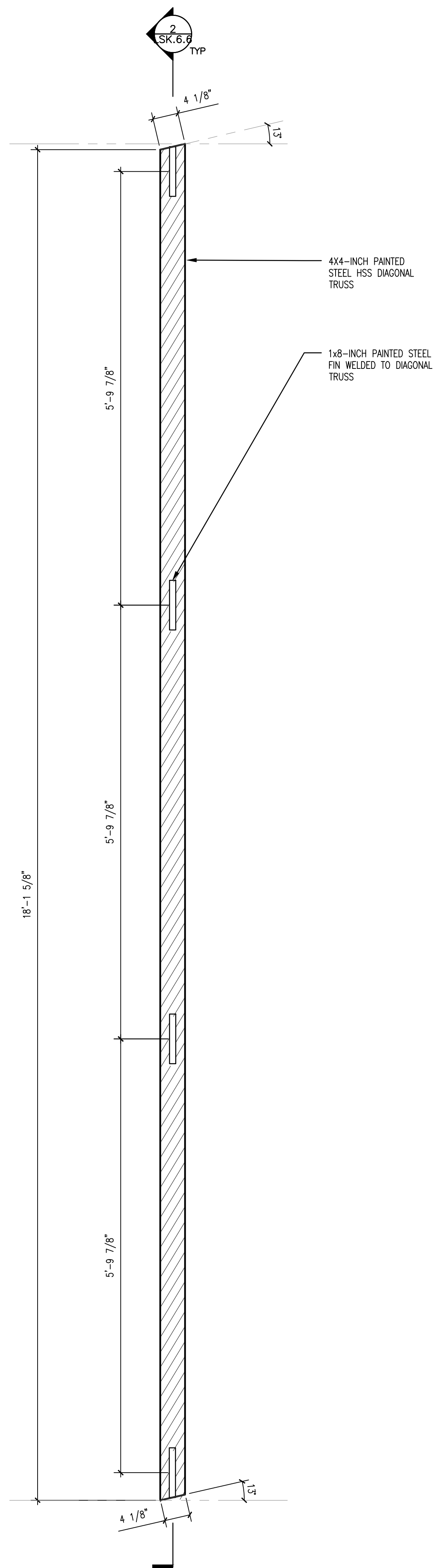
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**CURTAIN CALL AREA C-  
FRAMING DETAILS**

Submission:  
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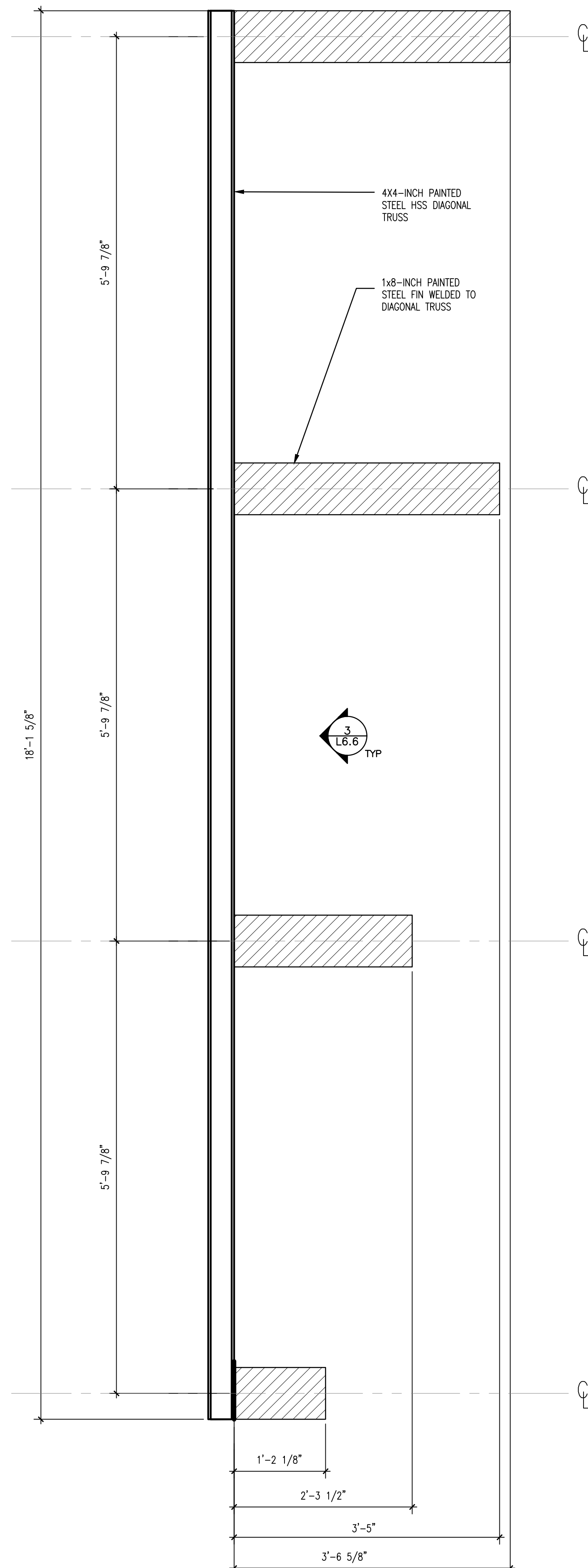
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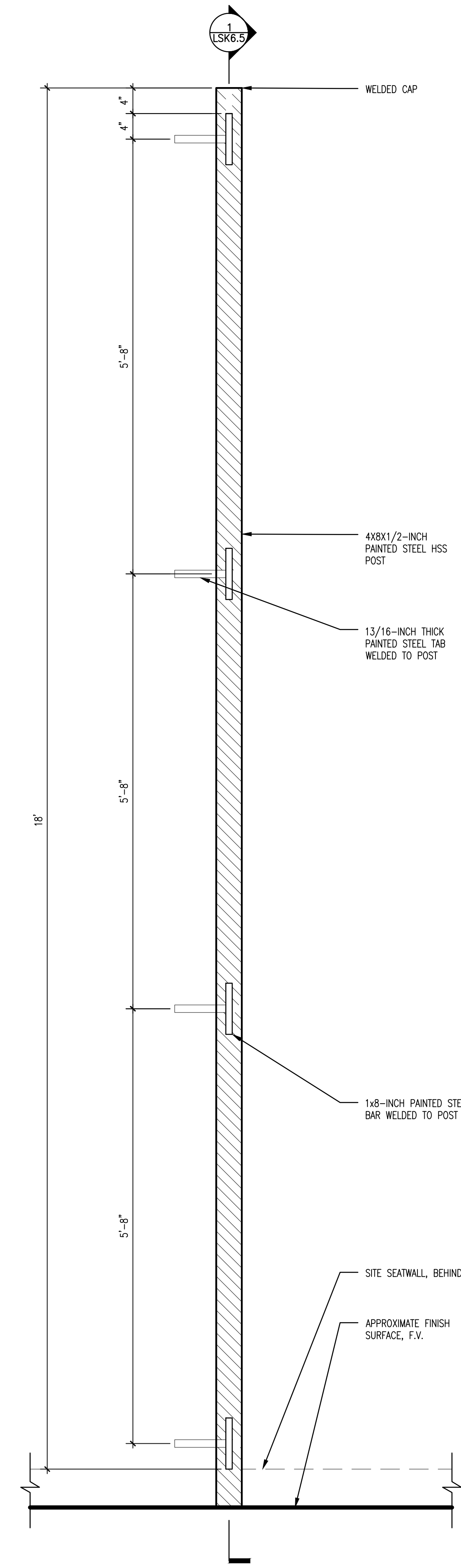
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3 CURTAIN CALL AREA C - DIAGONAL TRUSS ELEVATION  
SCALE: 1"=1'-0"



2 CURTAIN CALL AREA C - DIAGONAL TRUSS SECTION  
SCALE: 1"=1'-0"



1 AREA C, POST TYPE J - ELEVATION  
SCALE: 1"=1'-0"

NOTES:

1. FOOTINGS AND ANCHORING PER STRUCTURAL DRAWINGS.
2. POSTS SHALL BE CUT TO LENGTH ON SITE PER AS-BUILT ELEVATIONS. LEVEL POSTS TO MAINTAIN CONTINUOUS TOP ELEVATION.
3. BASE PLATE SHALL BE WELDED ON SITE AFTER POSTS ARE CUT AND LEVELED WITH GROUT.
4. DIAGONAL FINNS ARE BASED OFF OF A 2-INCH BUFFER FROM GLASS PANEL SEAM LOCATION. FABRICATOR TO CONFIRM BUFFER DISTANCE IN MOCK-UP.
5. FABRICATOR SHALL PROVIDE WEEP HOLES ON DISCRETE HSS MEMBERS. PROVIDE IN DEFERRED SHOP DRAWING SUBMITTAL.
6. REFER TO SHEET LSK2.3 FOR UNIT'S COMPOSITE AND FOOTING ASSEMBLY.



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CURTAIN CALL AREA C -  
FRAMING DETAILS

Submission:

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Sheet Number:

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NOTES:

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CURTAIN CALL AREA A -  
ASSEMBLY AXONS

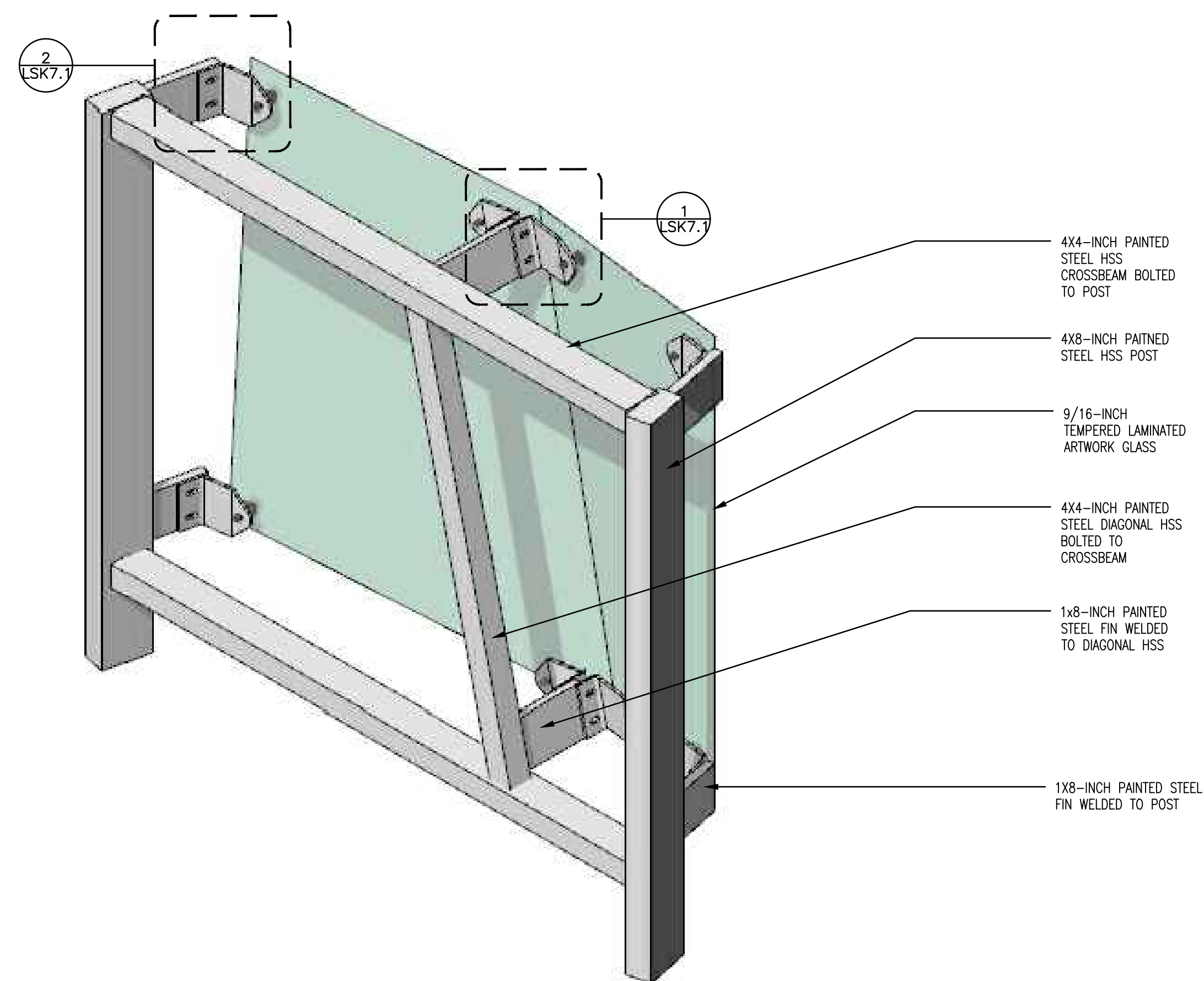
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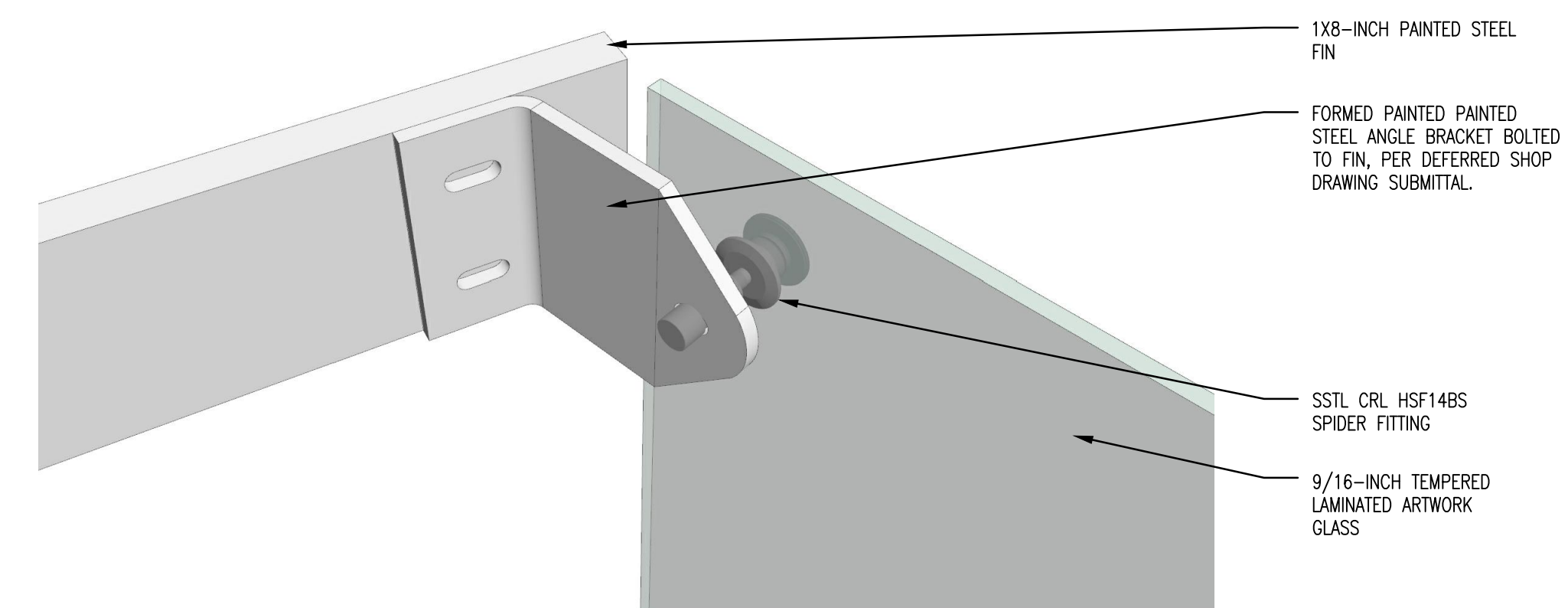
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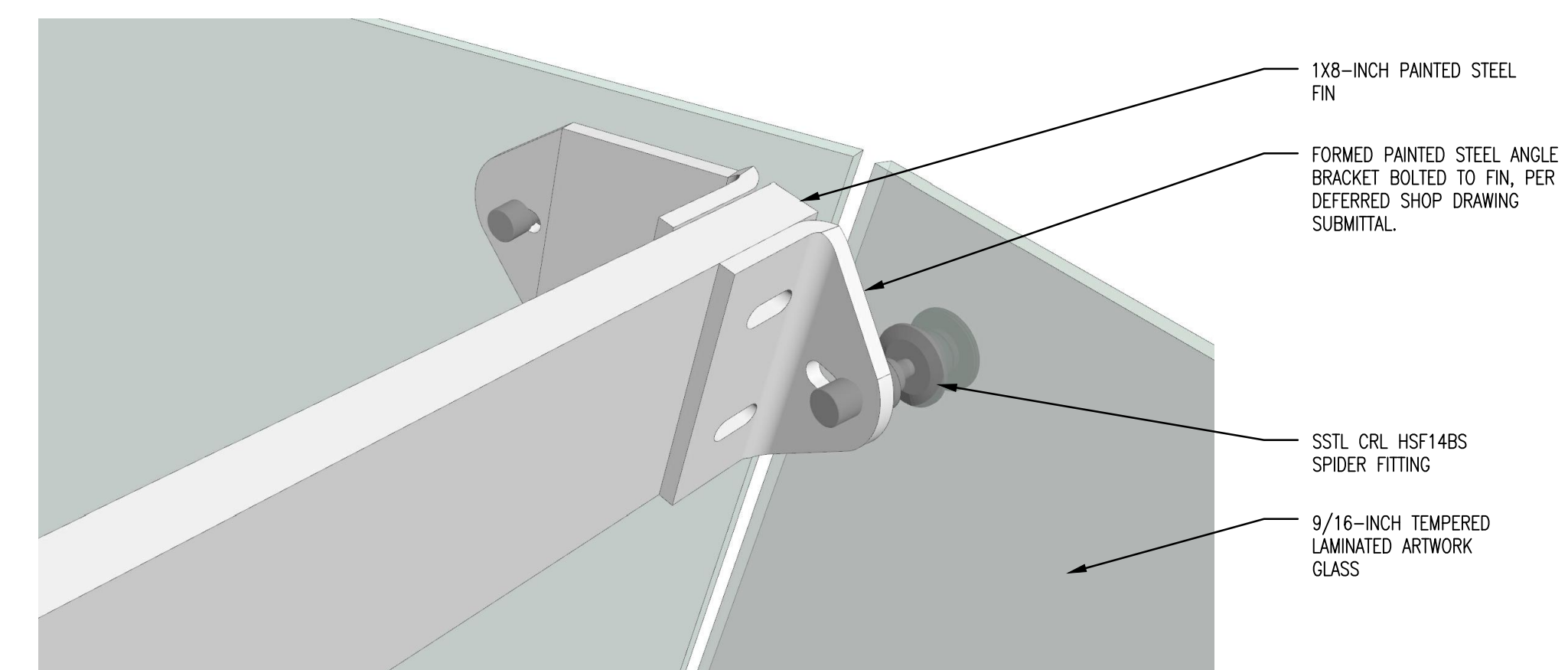
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3 AREA A - TYPICAL GLASS AND FRAME ASSEMBLY AXON  
NTS



2 GLASS ATTACHMENT AT SINGLE PANEL EDGE  
NTS



1 GLASS ATTACHMENT AT SINGLE PANEL INTERSECTION  
NTS



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CURTAIN CALL AREA B -  
ASSEMBLY AXONS

Submission:

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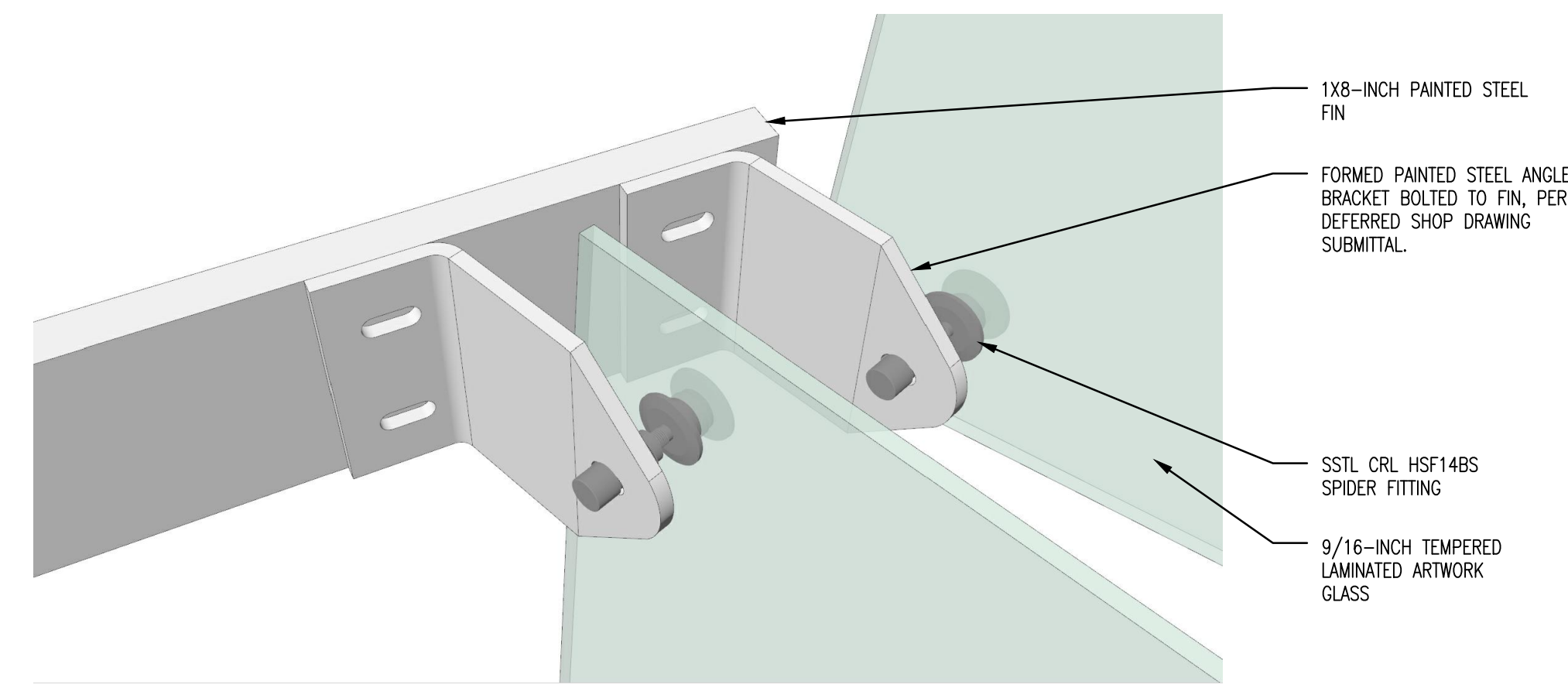
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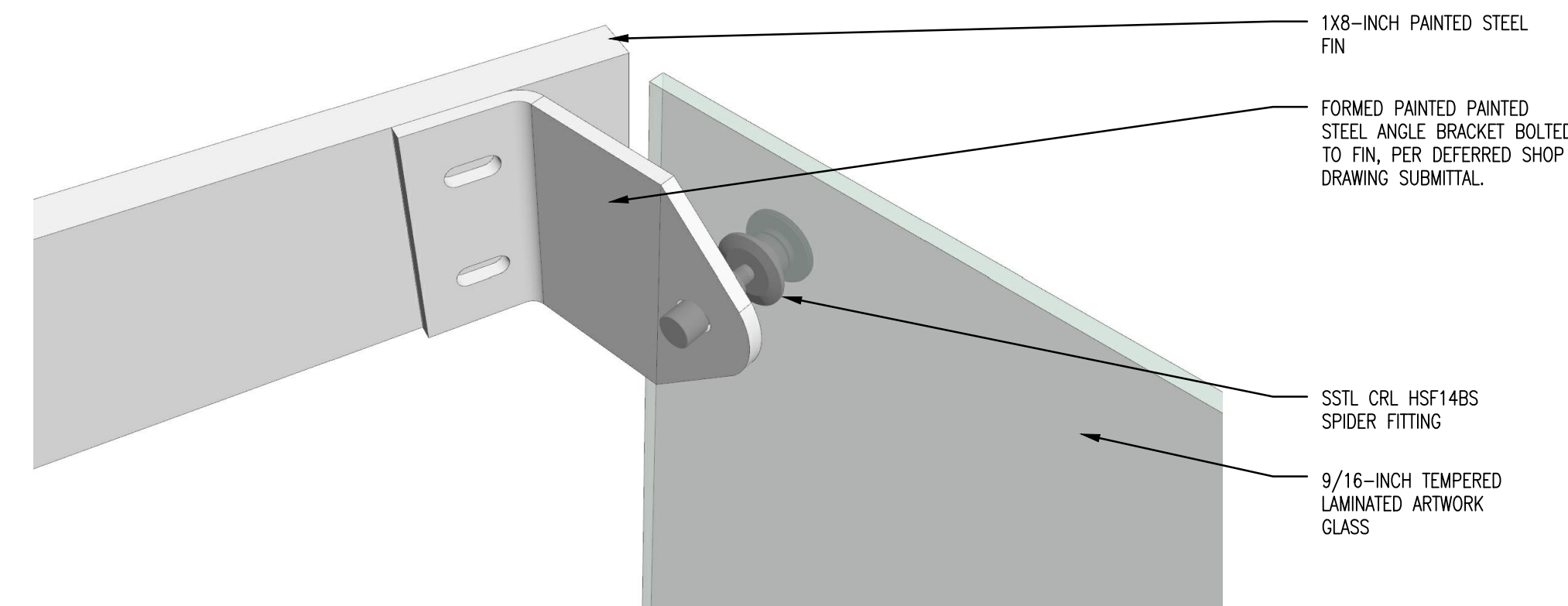
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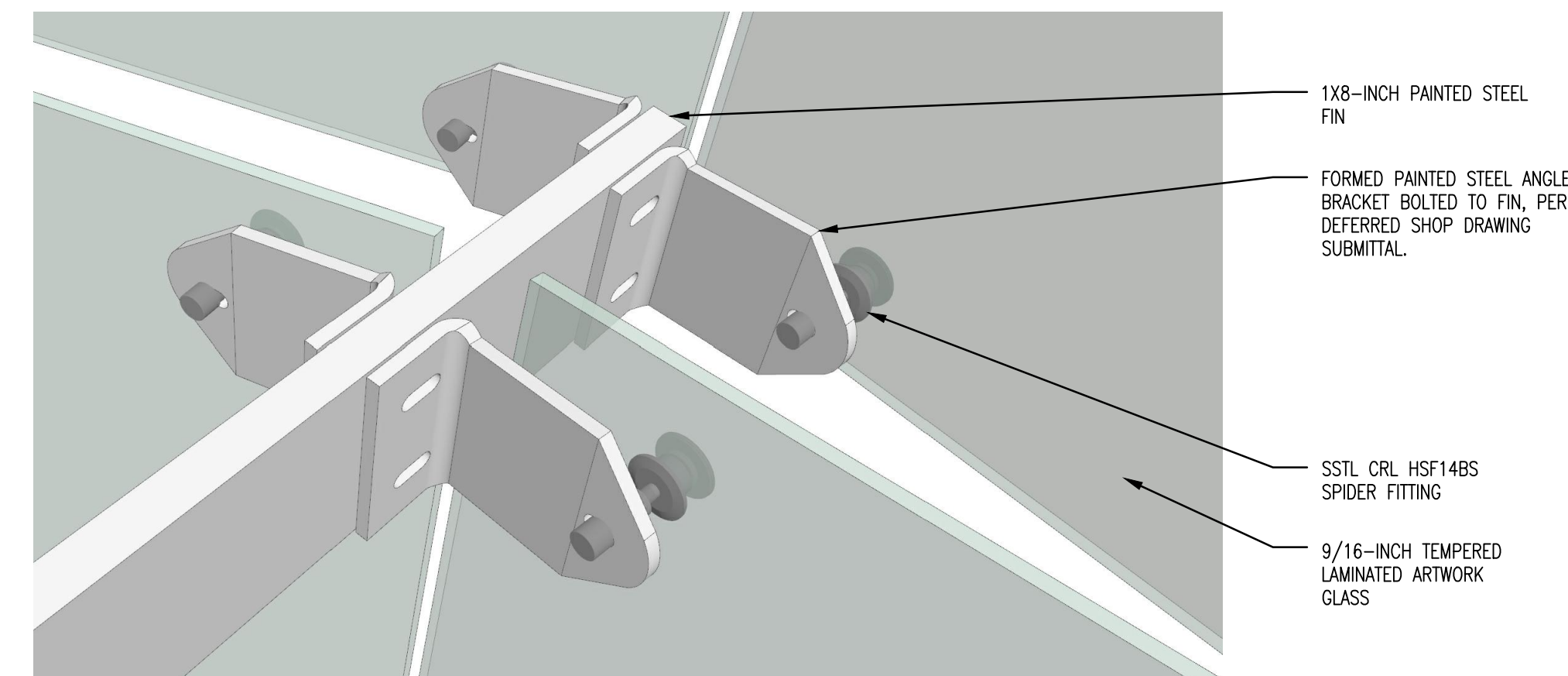
- 1. FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO GLASS ENGINEER FOR FINAL REVIEW AND APPROVAL OF GLASS COMPOSITION, SUPPORT SPECIFICATION, AND LAYOUT.



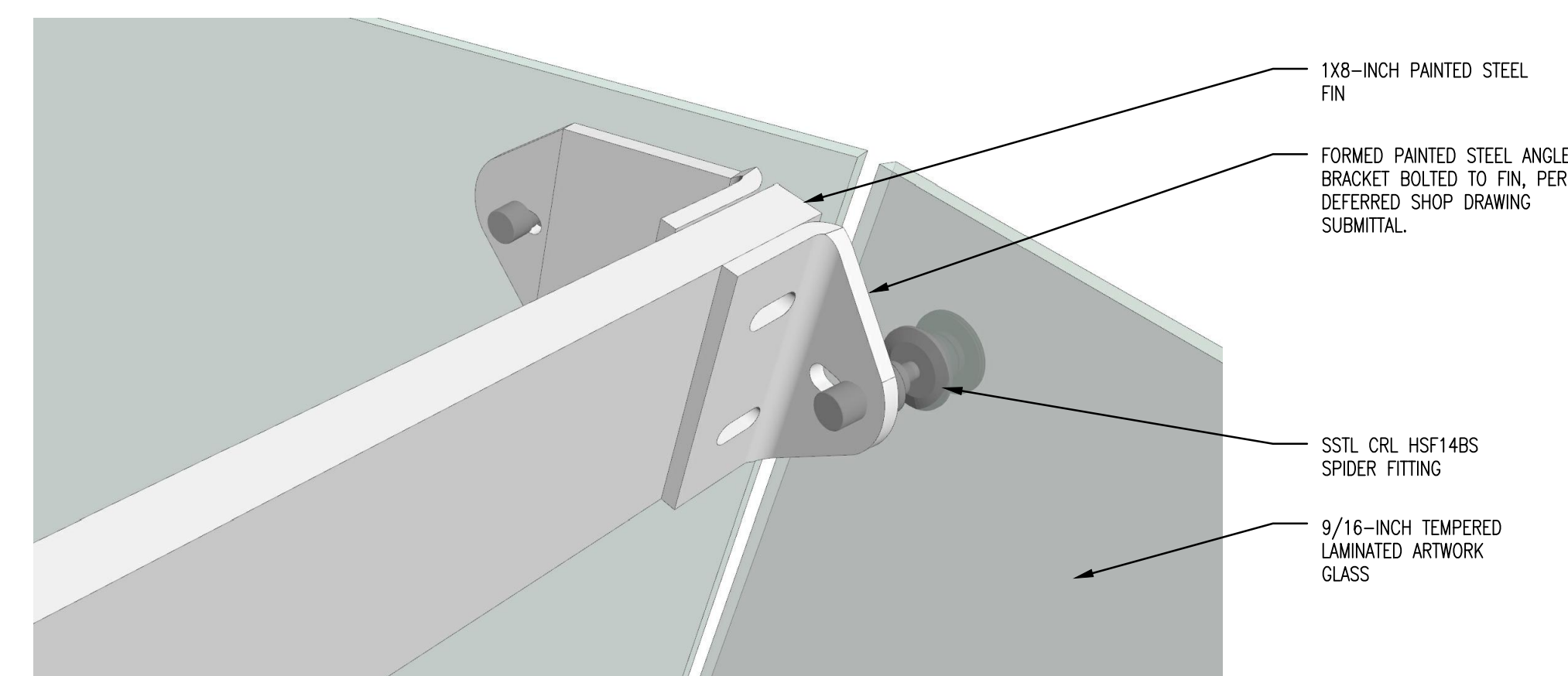
4 GLASS ATTACHMENT AT DOUBLE PANEL EDGE  
NTS



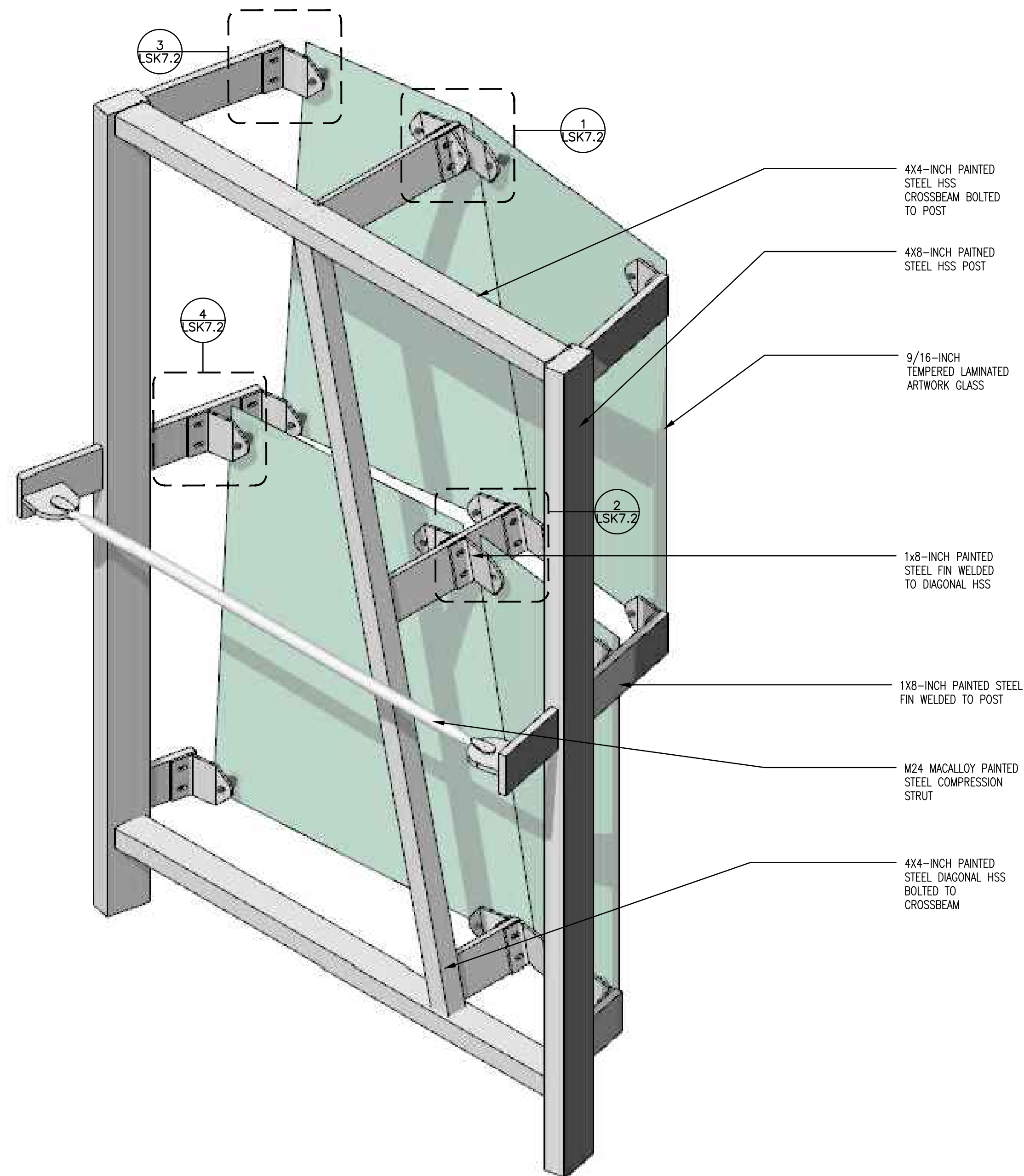
3 GLASS ATTACHMENT AT SINGLE PANEL EDGE  
NTS



2 GLASS ATTACHMENT AT DOUBLE PANEL INTERSECTION  
NTS

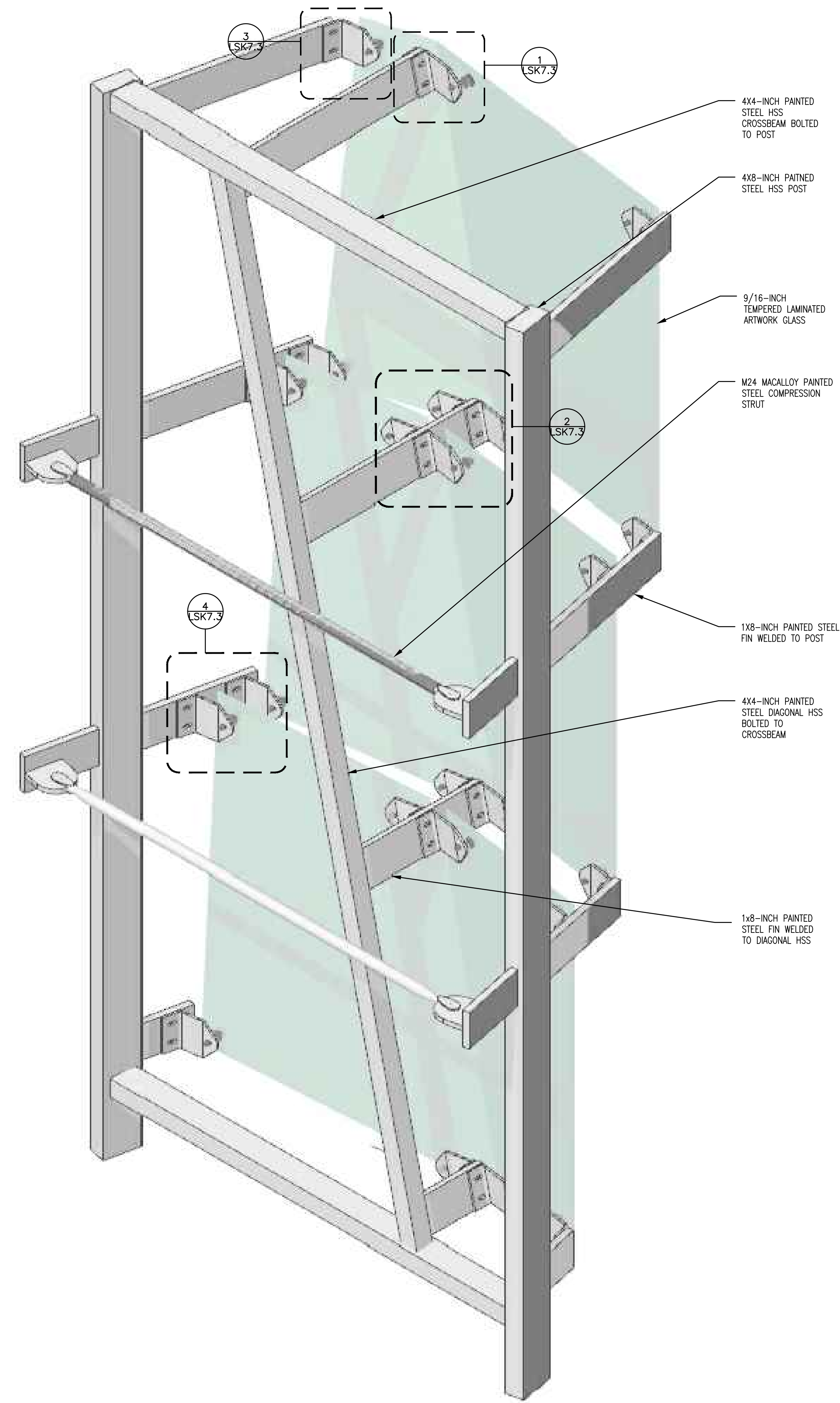


1 GLASS ATTACHMENT AT SINGLE PANEL INTERSECTION  
NTS

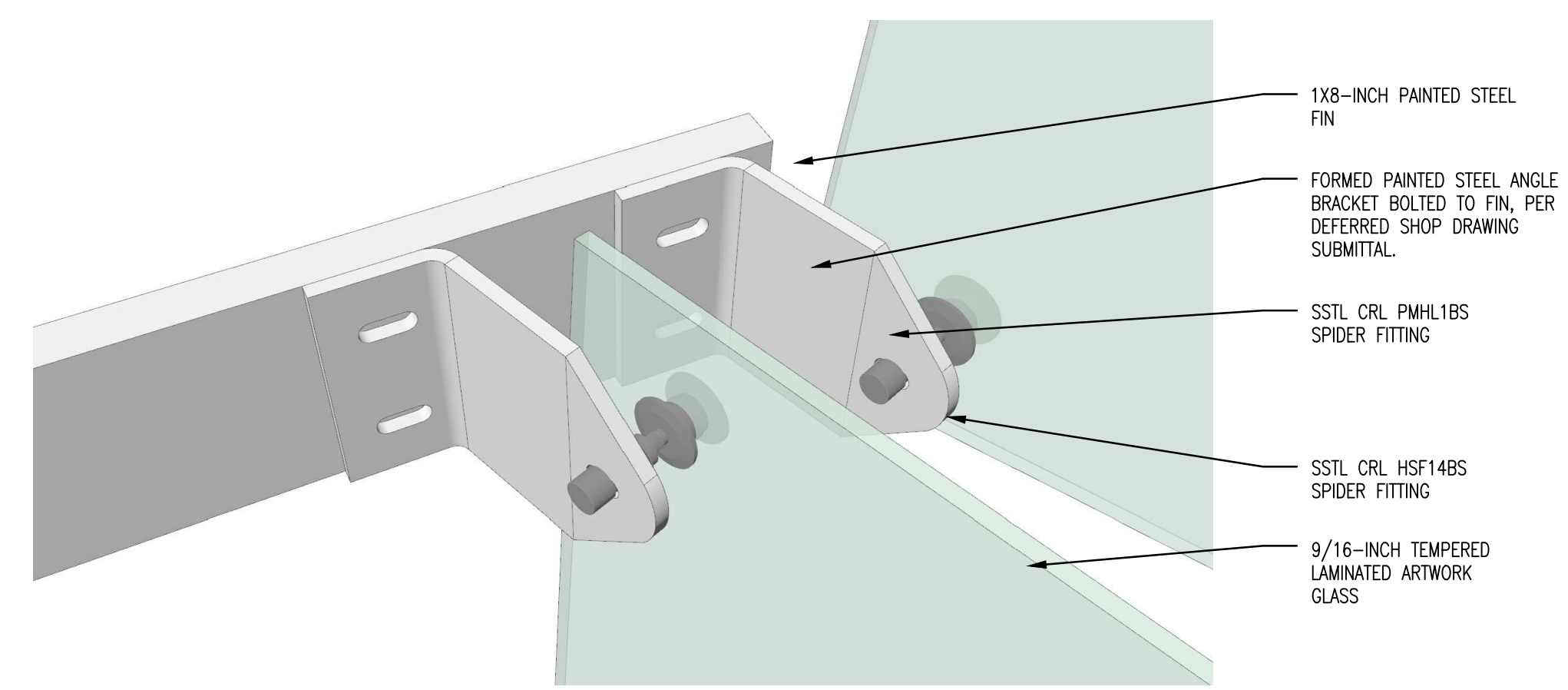


5 AREA B - TYPICAL GLASS AND FRAME ASSEMBLY AXON  
NTS

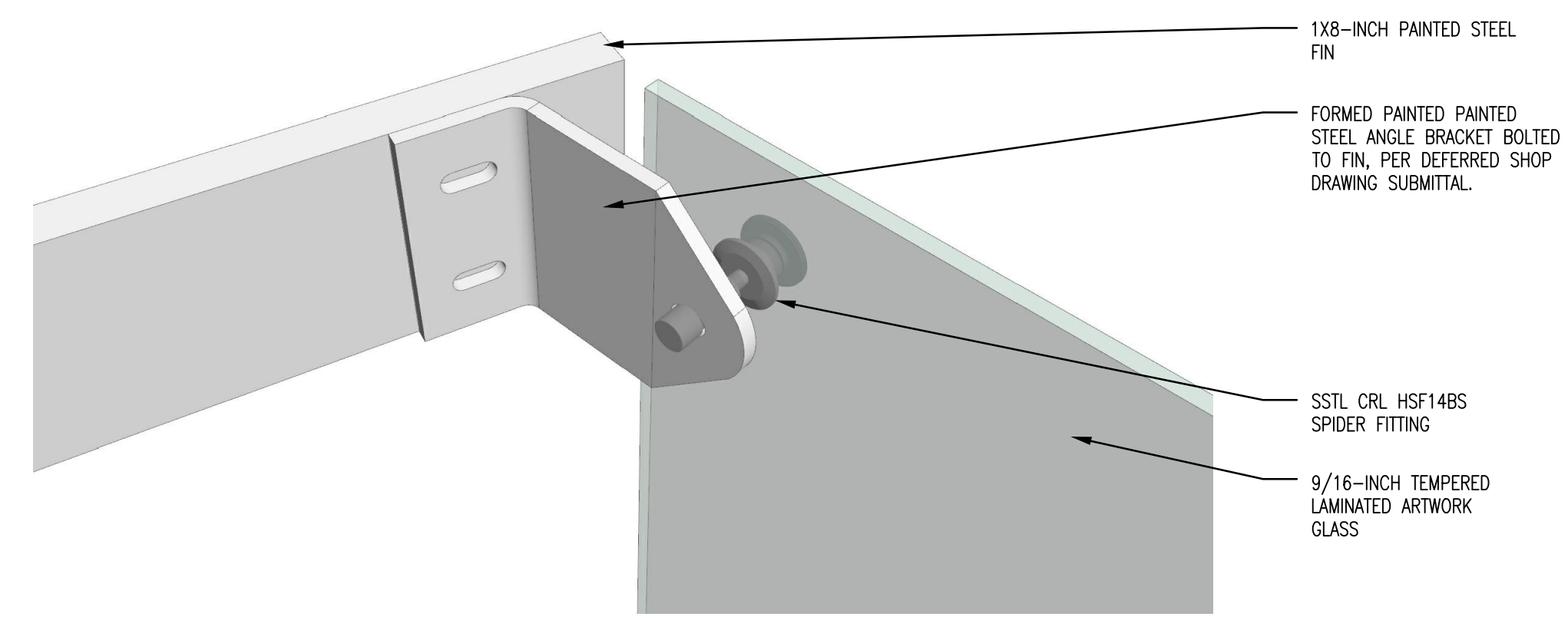




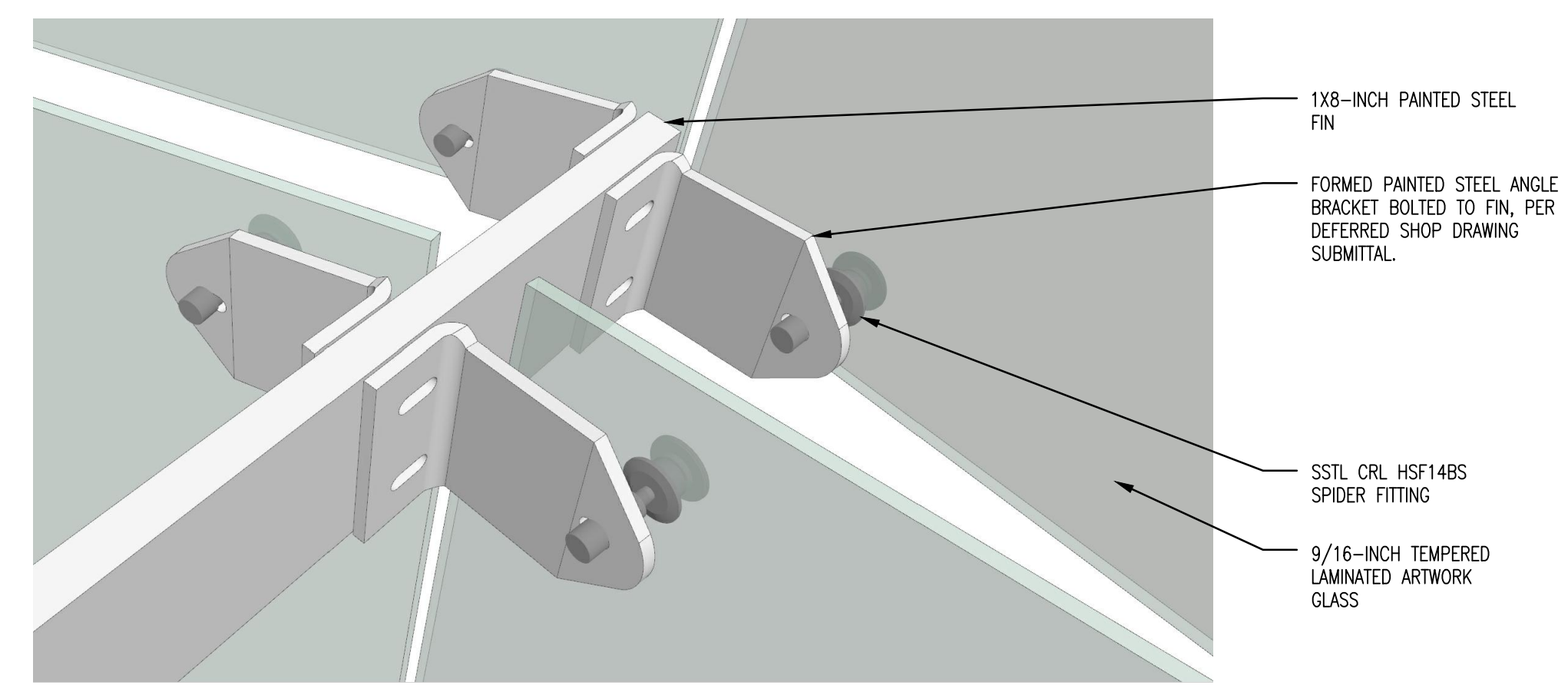
5 AREA C – TYPICAL GLASS AND FRAME ASSEMBLY AXON  
NTS



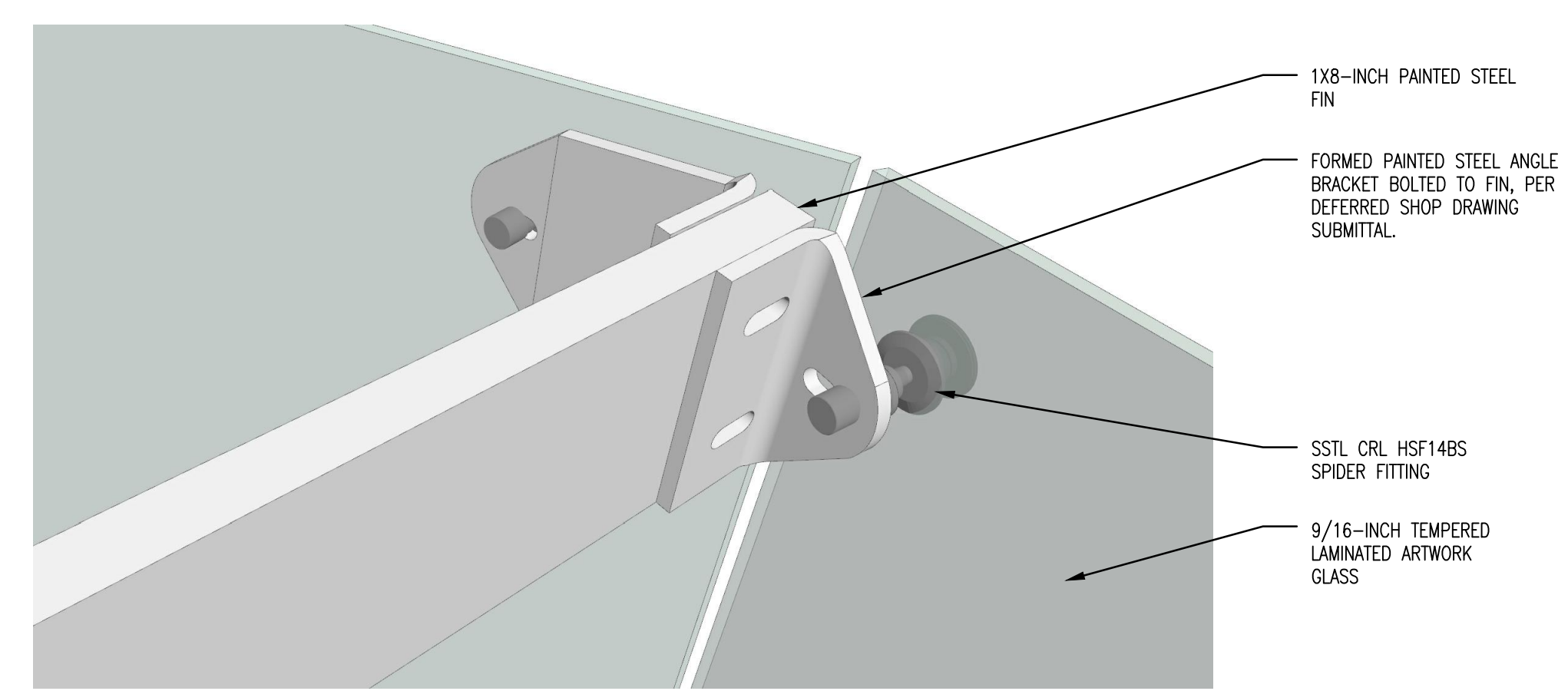
4 GLASS ATTACHMENT AT DOUBLE PANEL EDGE  
NTS



3 GLASS ATTACHMENT AT SINGLE PANEL EDGE  
NTS



2 GLASS ATTACHMENT AT DOUBLE PANEL INTERSECTION  
NTS



1 GLASS ATTACHMENT AT SINGLE PANEL INTERSECTION  
NTS

NOTES:

- FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO GLASS ENGINEER FOR FINAL REVIEW AND APPROVAL OF GLASS COMPOSITION, SUPPORT SPECIFICATION, AND LAYOUT.



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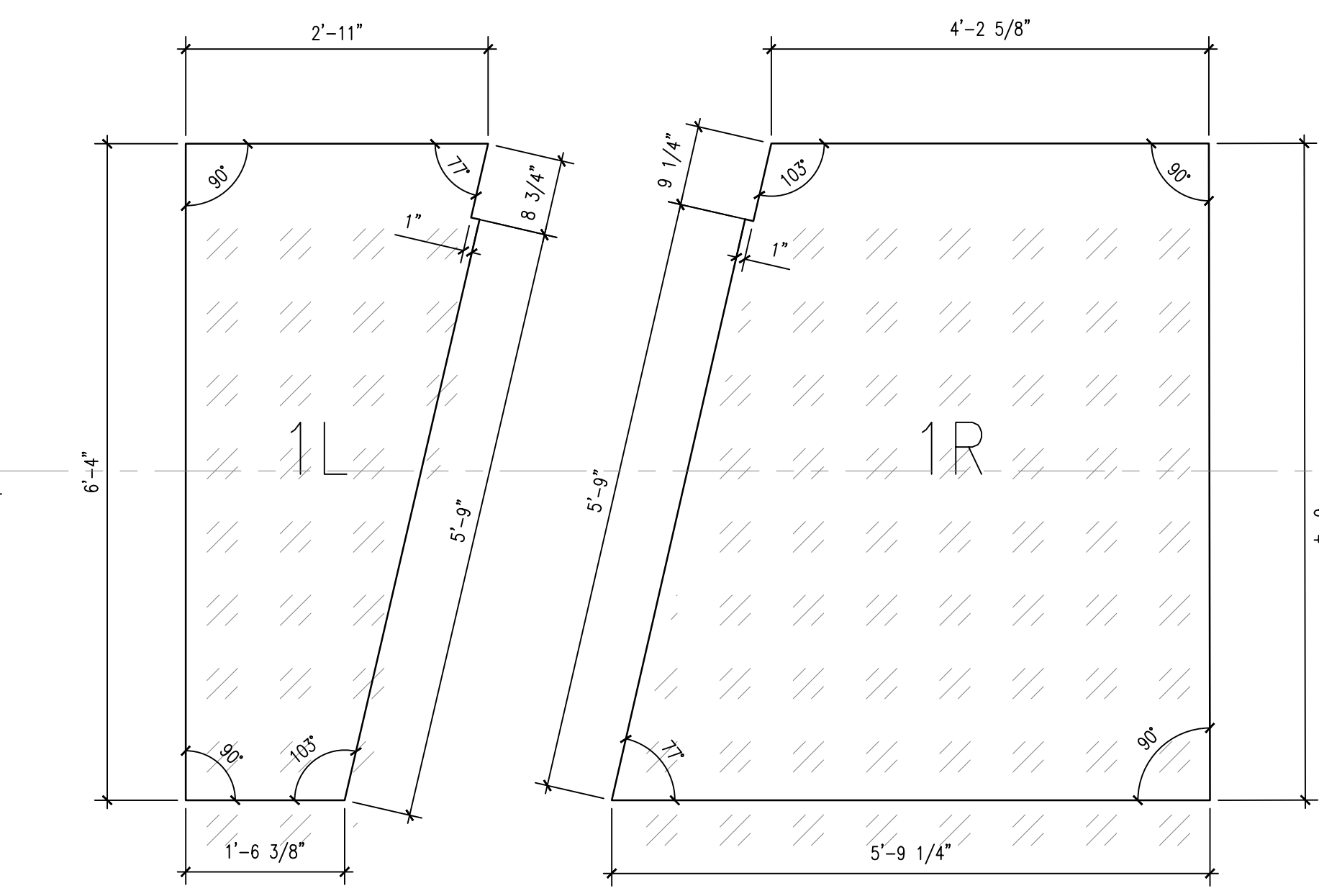
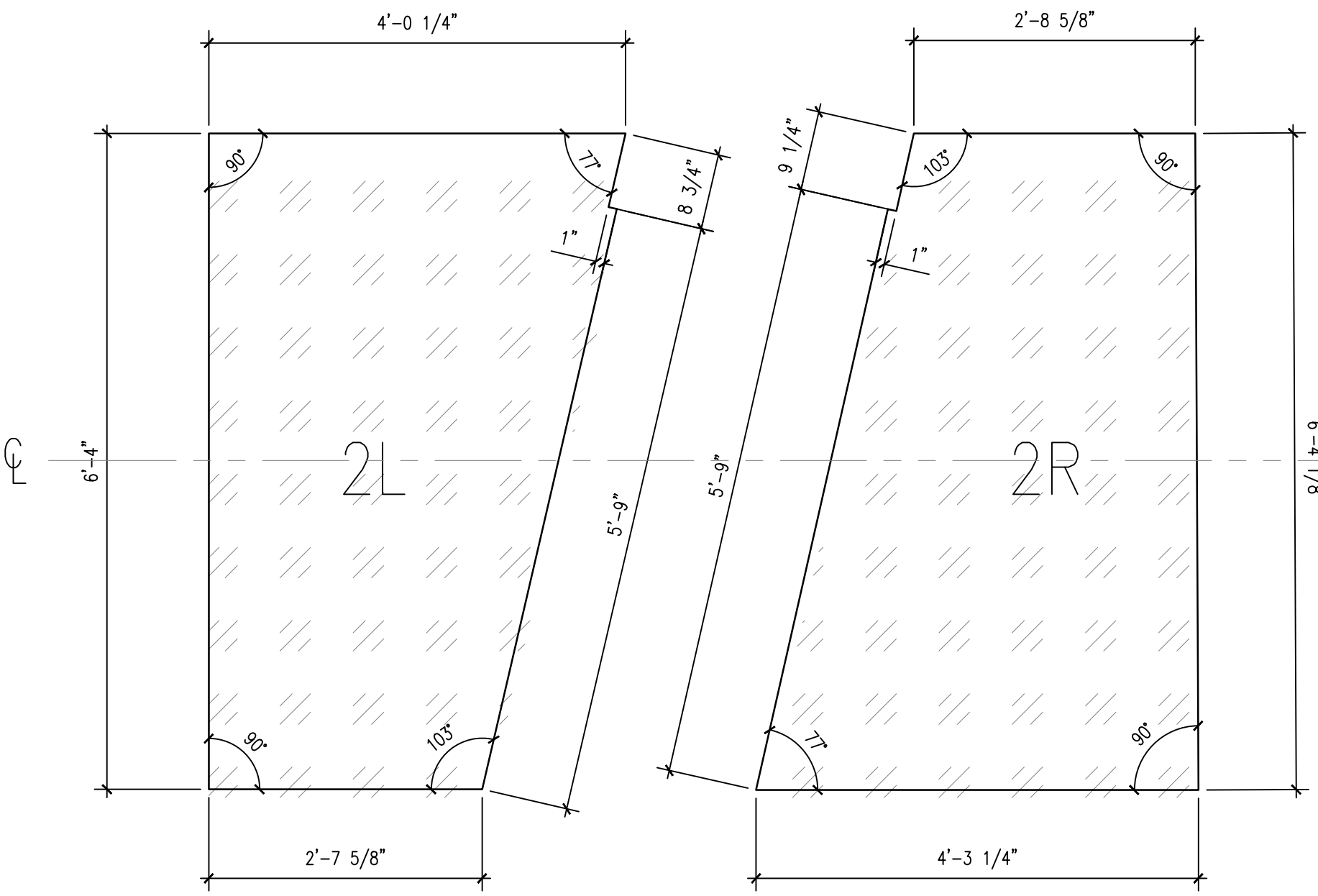
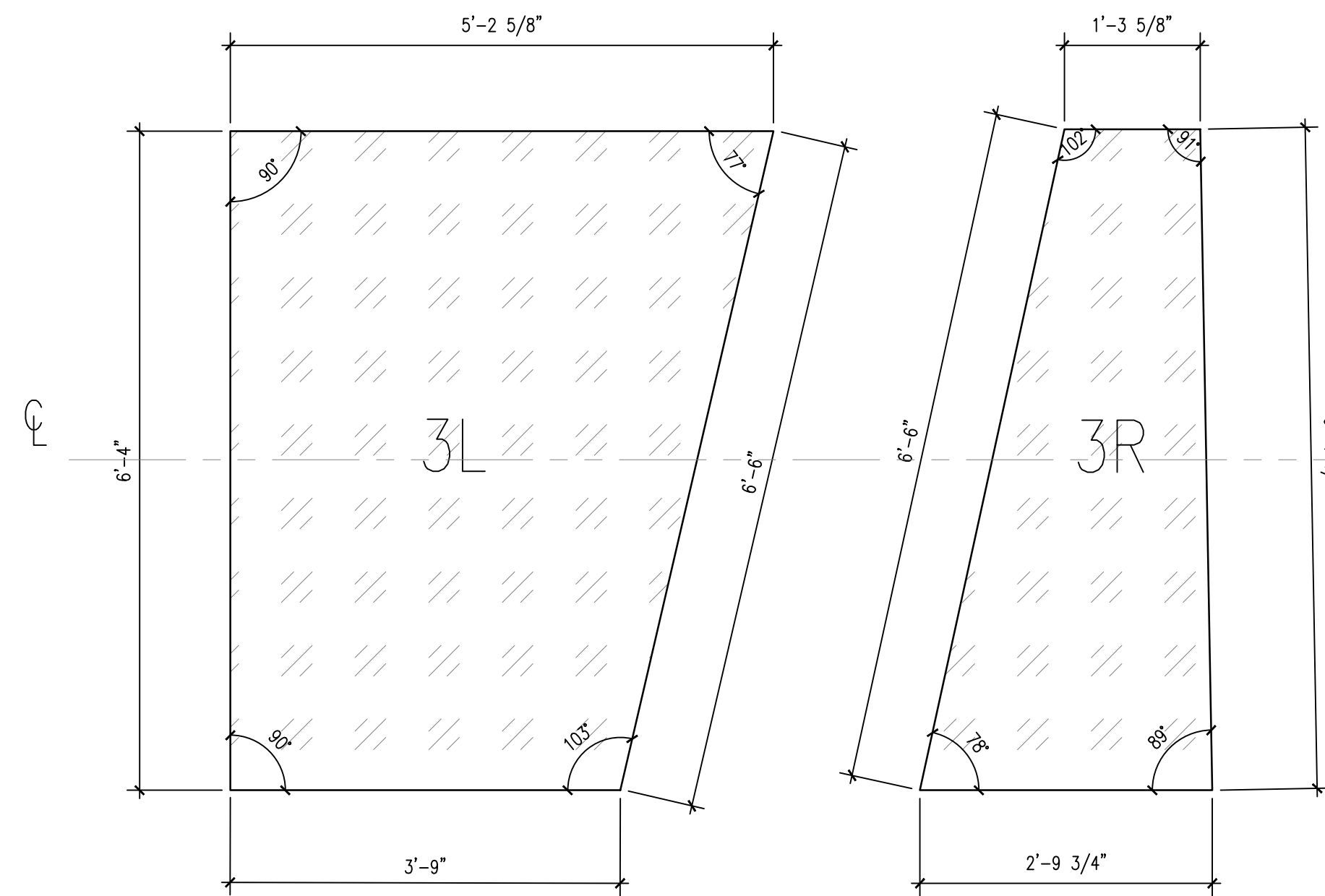
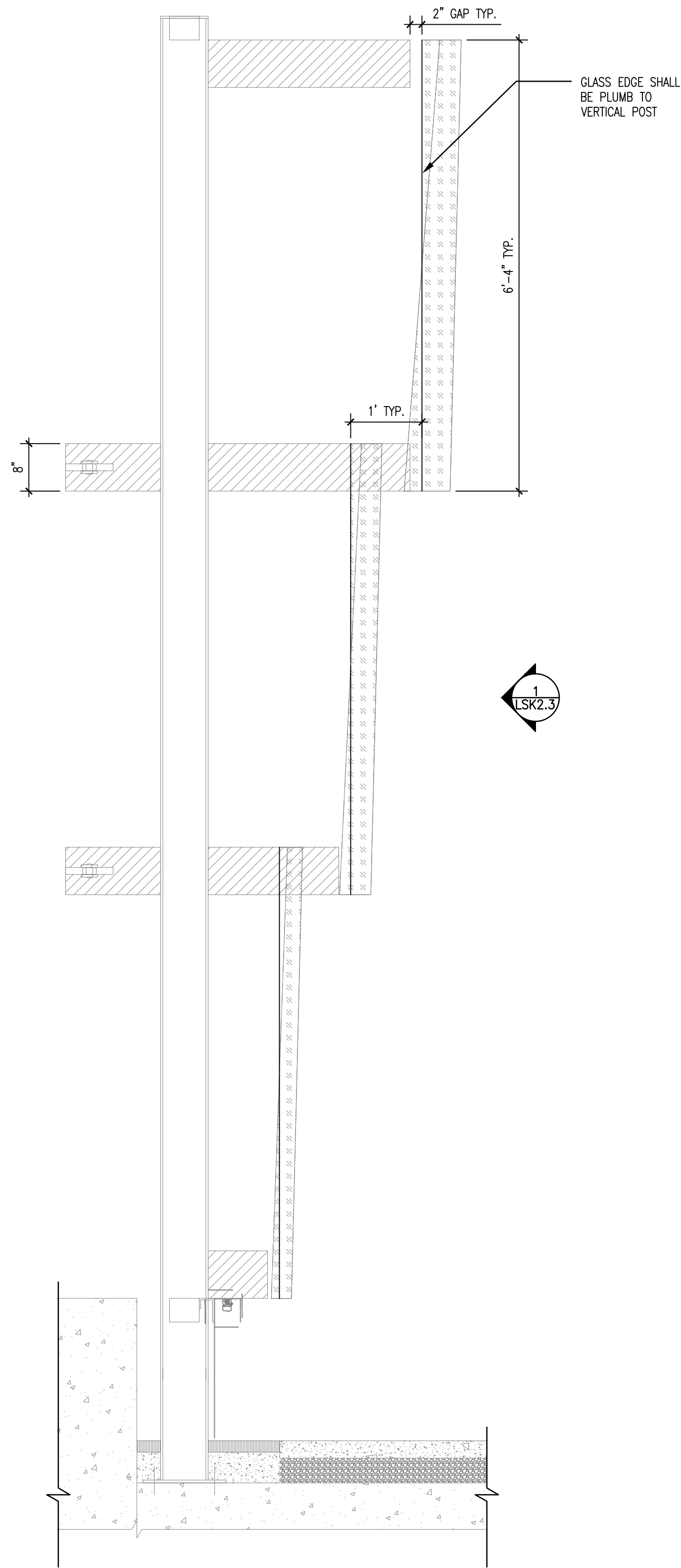
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**CURTAIN CALL AREA C - ASSEMBLY AXONS**

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**LSK7.3**

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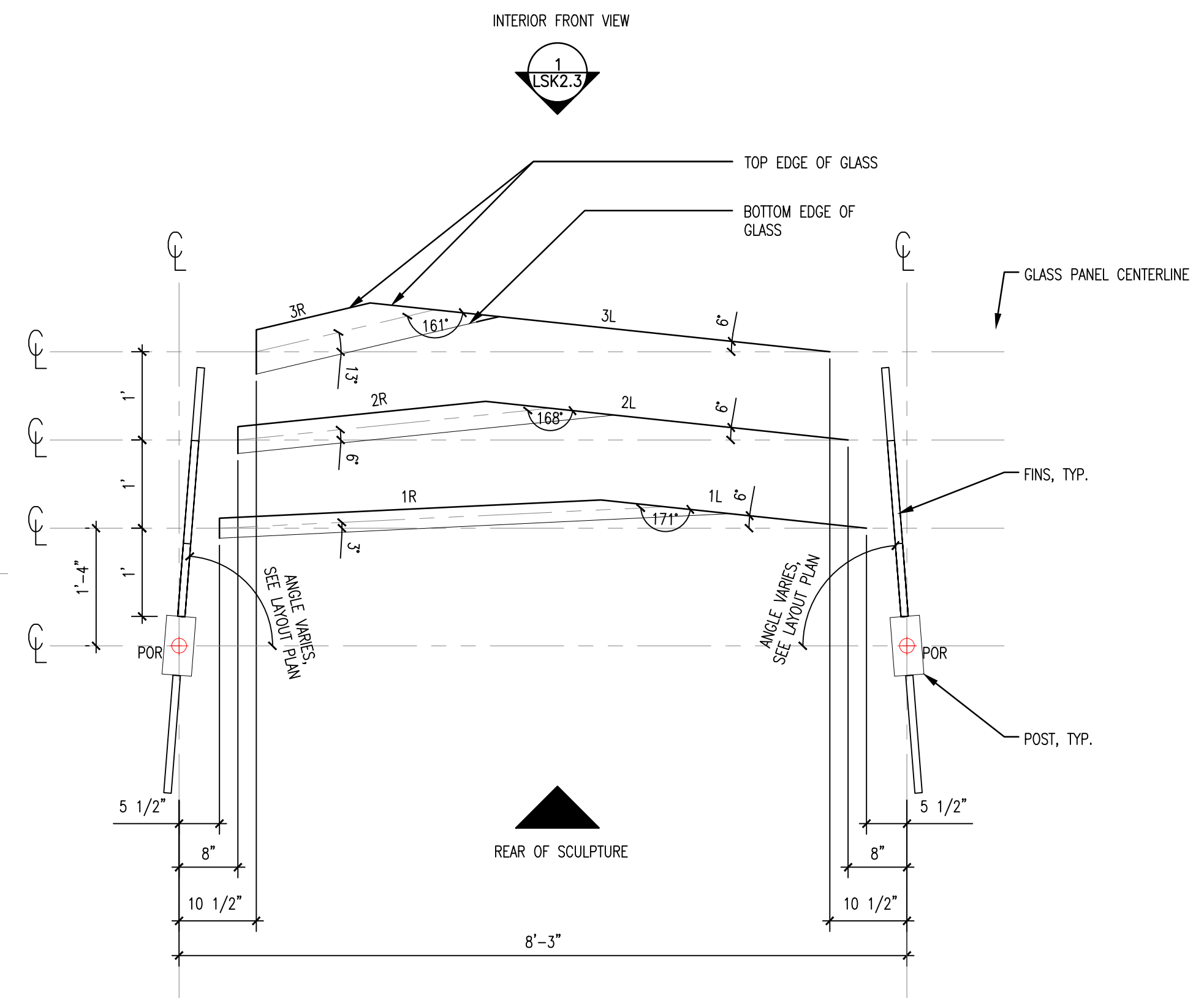
- NOTES:
- FABRICATOR SHALL LEAVE 1/2-INCH GAP AT DIAGONAL GLASS PANEL INTERSECTION
  - ALL GLASS PANELS SHALL HAVE HOLES FOR SPIDER CLAMP ATTACHMENT, REFER TO DEFERRED SHOP DRAWING SUBMITTAL.
  - ALL EDGES SHALL BE POLISHED AND BEVELED SO THEY ARE NOT SHARP.
  - GLASS SHALL BE LAMINATED WITH SBG INTERLAYER, PER GLASS ENGINEER.
  - FABRICATOR SHALL SUBMIT SHOP DRAWINGS TO GLASS ENGINEER FOR FINAL REVIEW AND APPROVAL OF GLASS COMPOSITION, SUPPORT SPECIFICATION, AND LAYOUT.

LEGEND:

P.O.R = POINT OF REFERENCE; (ALL DIMENSIONS ON THIS PAGE ARE TO P.O.R., ANGLE OF POST AND FINS VARY AS SHOWN ON LAYOUT PLAN.)

GLASS PANEL CENTERLINE

GLASS PANEL SCHEDULE				
LABEL	SECTION A	SECTION B	SECTION C	TOTAL
1L	5	8	9	22
1R	5	8	9	22
2L	0	8	9	17
2R	0	8	9	17
3L	0	0	9	9
3R	0	0	9	9



3 CURTAIN CALL - GLASS PANEL SECTION  
SCALE: 3/4"=1'-0"

2 CURTAIN CALL - GLASS PANEL GEOMETRY  
SCALE: 3/4"=1'-0"

1 CURTAIN CALL - GLASS PLAN  
SCALE: 3/4"=1'-0"



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CURTAIN CALL -  
FASCIA DETAILS

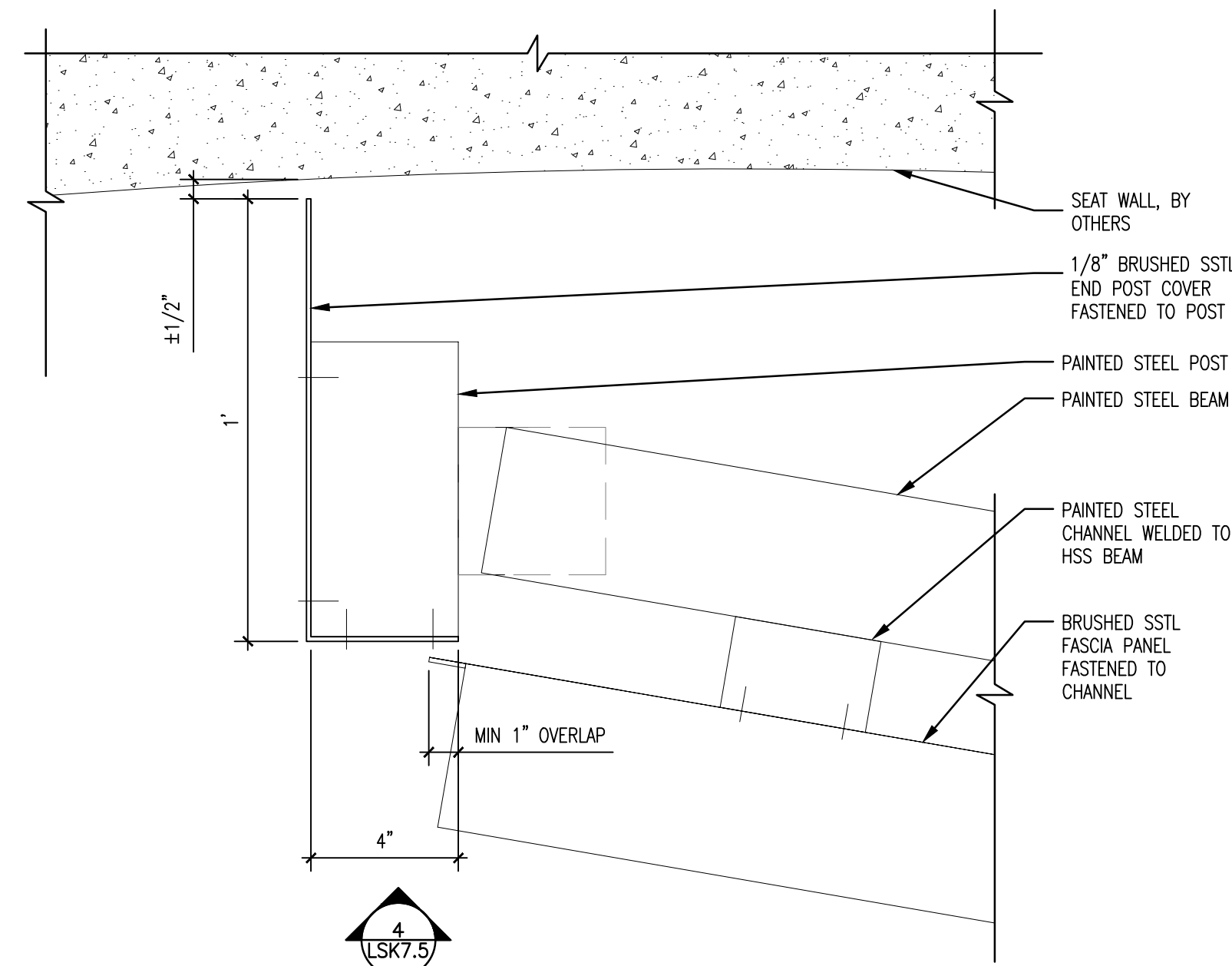
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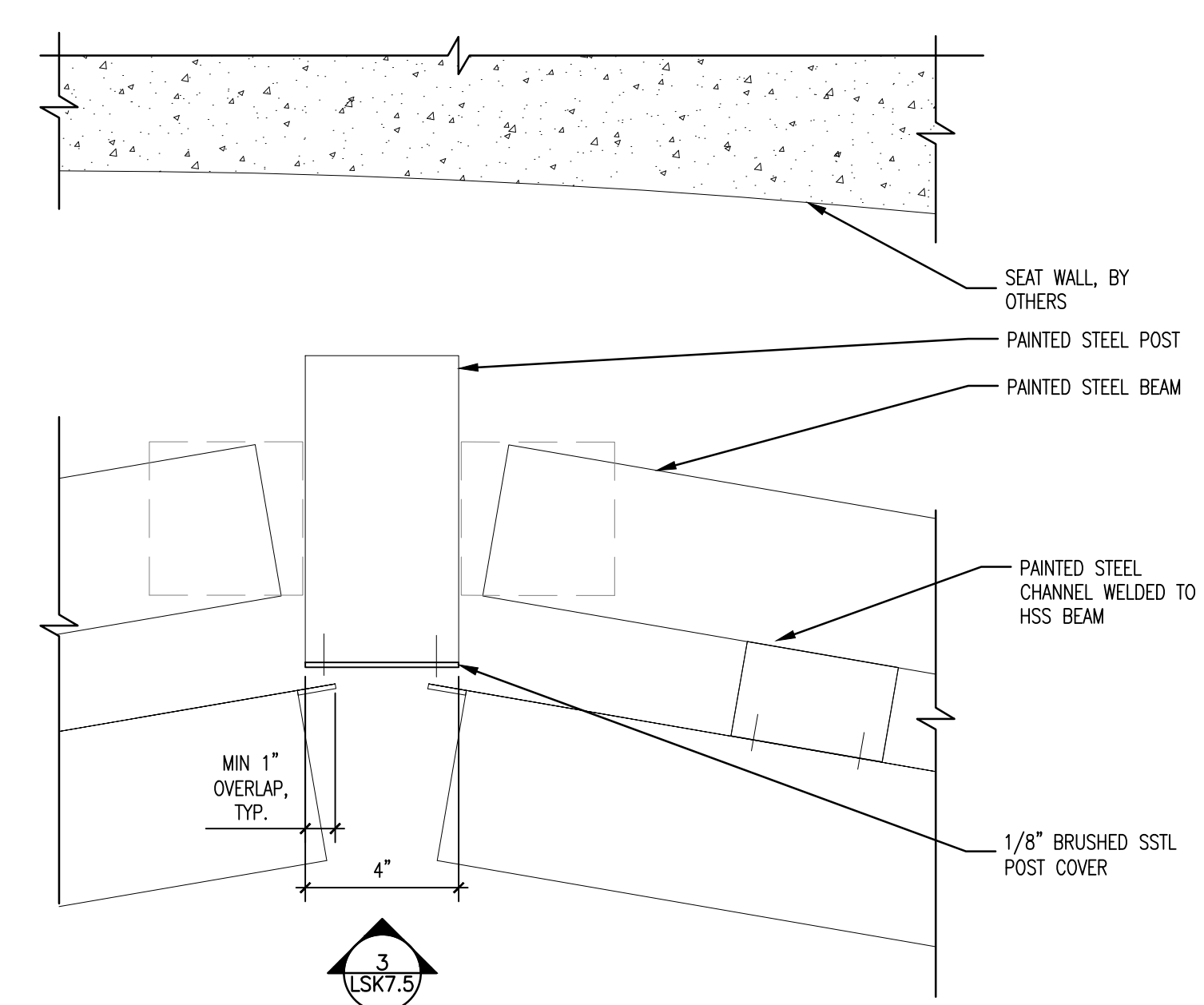
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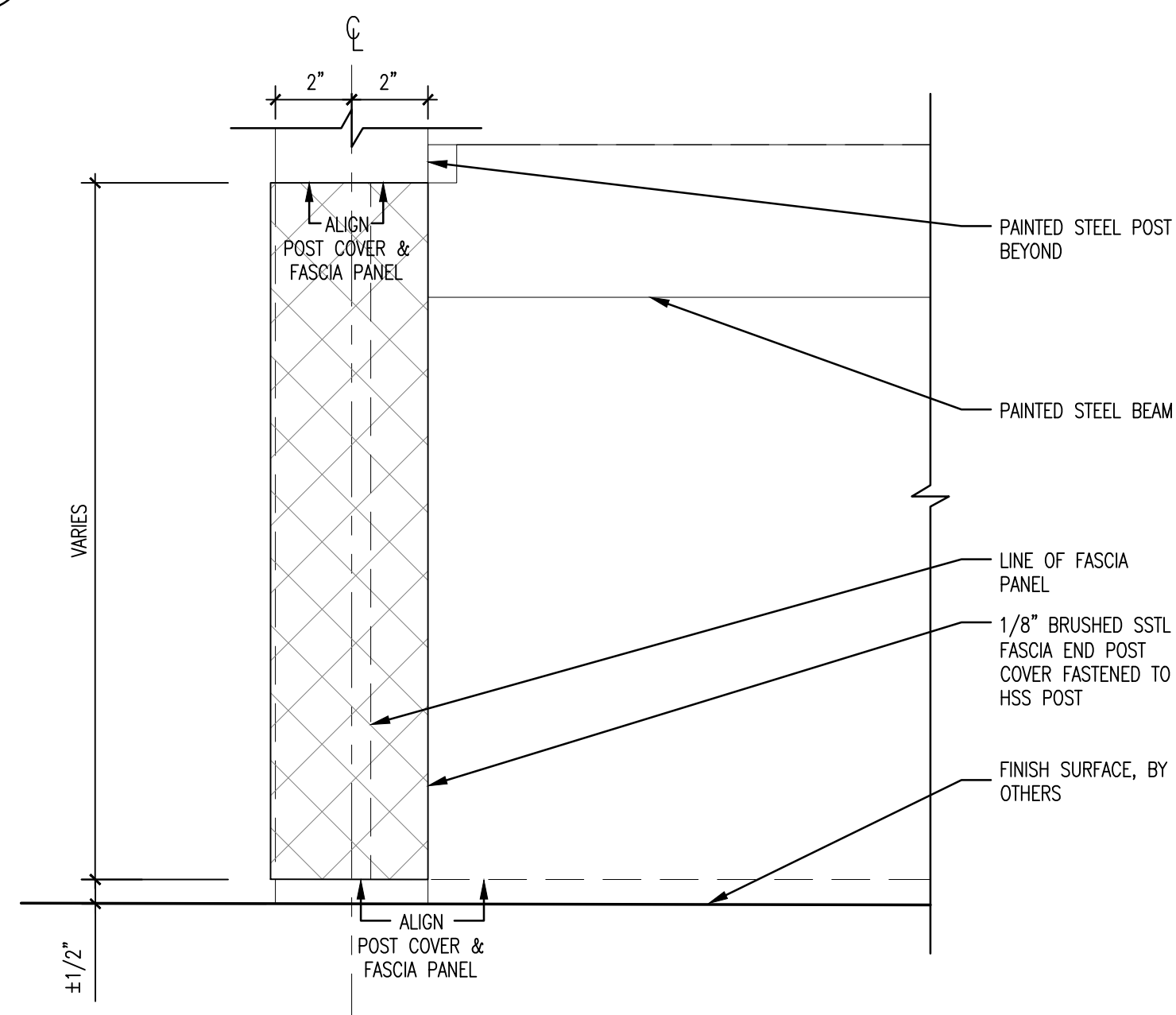
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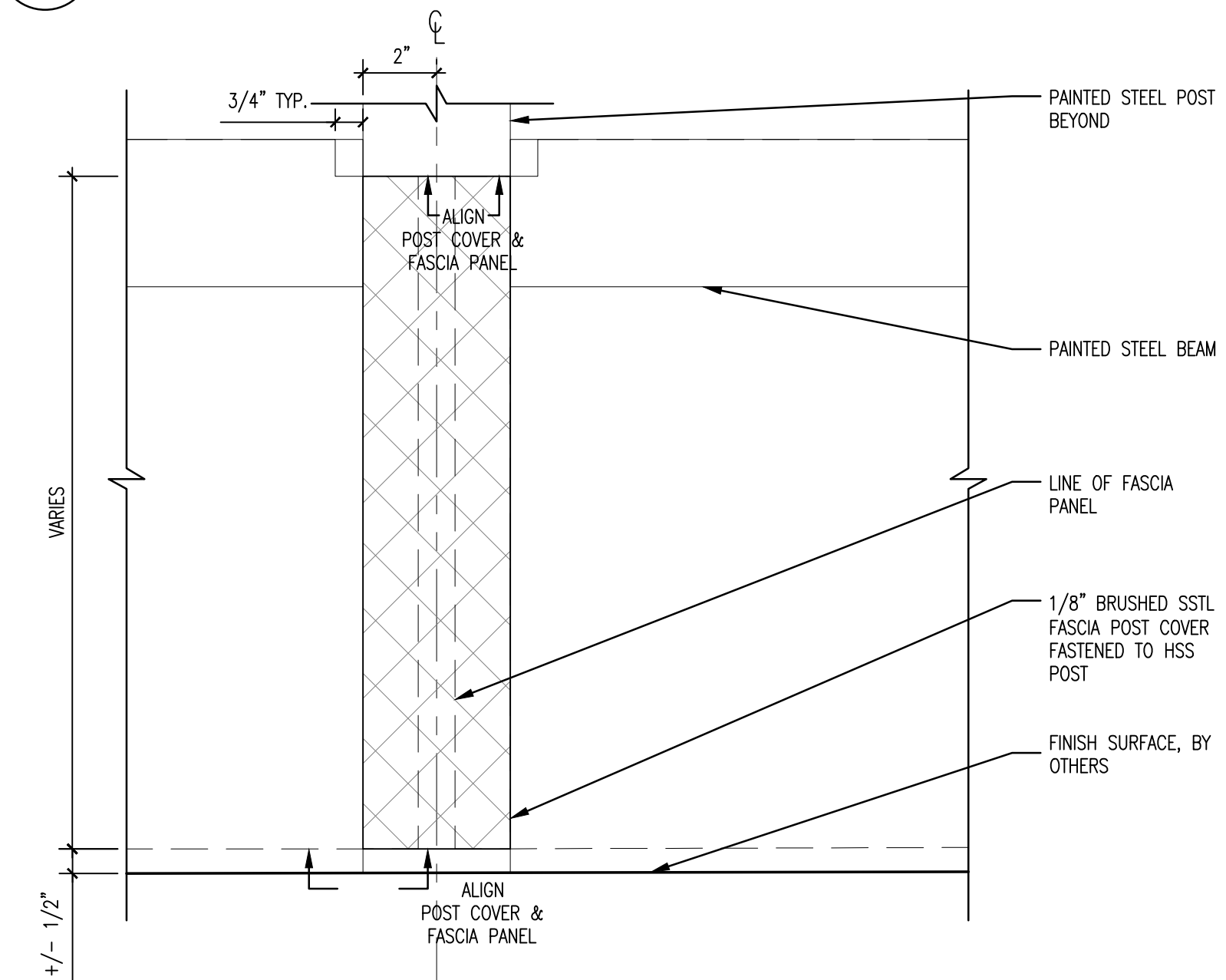
5 FASCIA END POST COVER PLAN, ALL TYPES  
SCALE: 3"=1'-0"



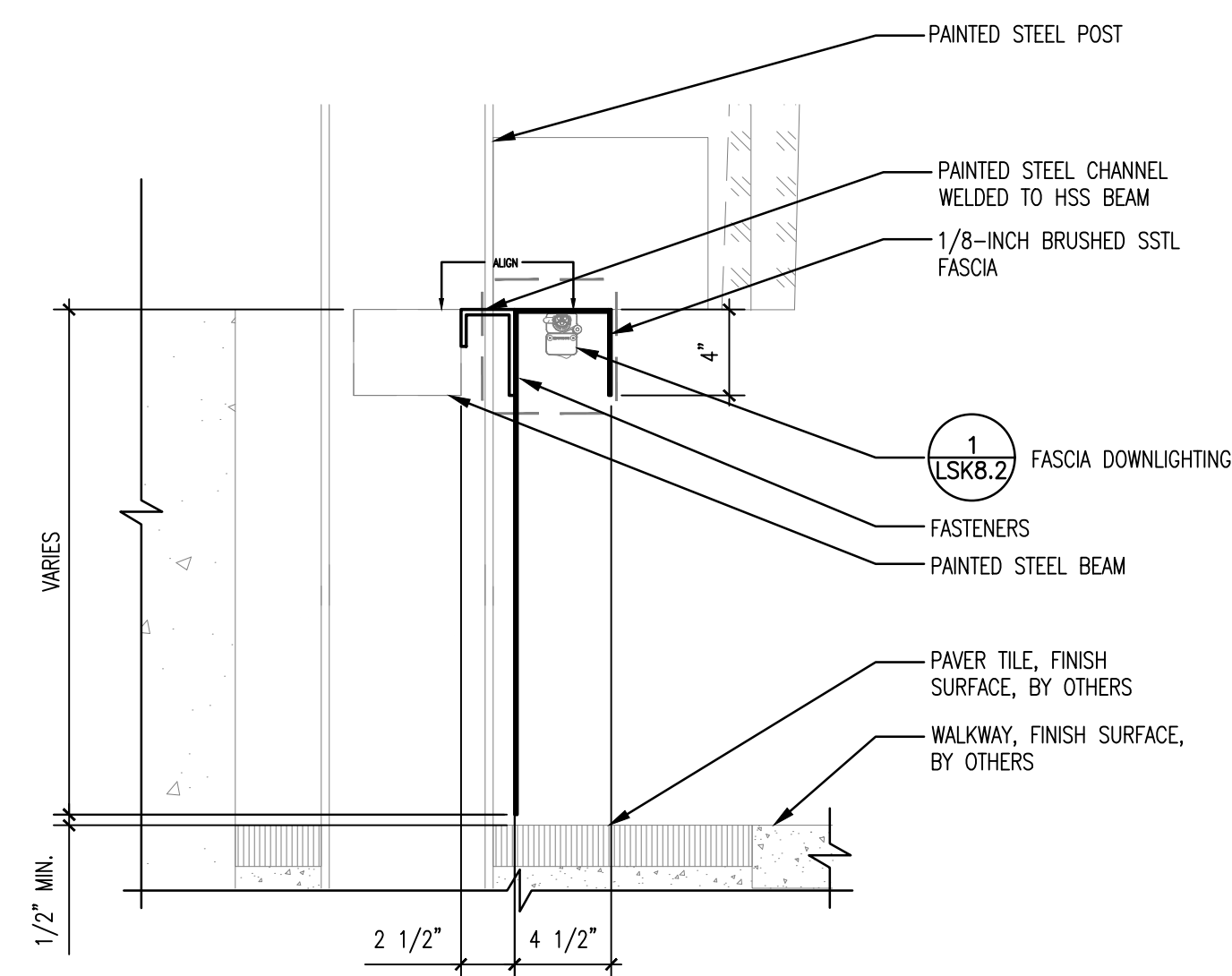
3 FASCIA MIDDLE POST COVER PLAN, ALL TYPES  
SCALE: 3"=1'-0"



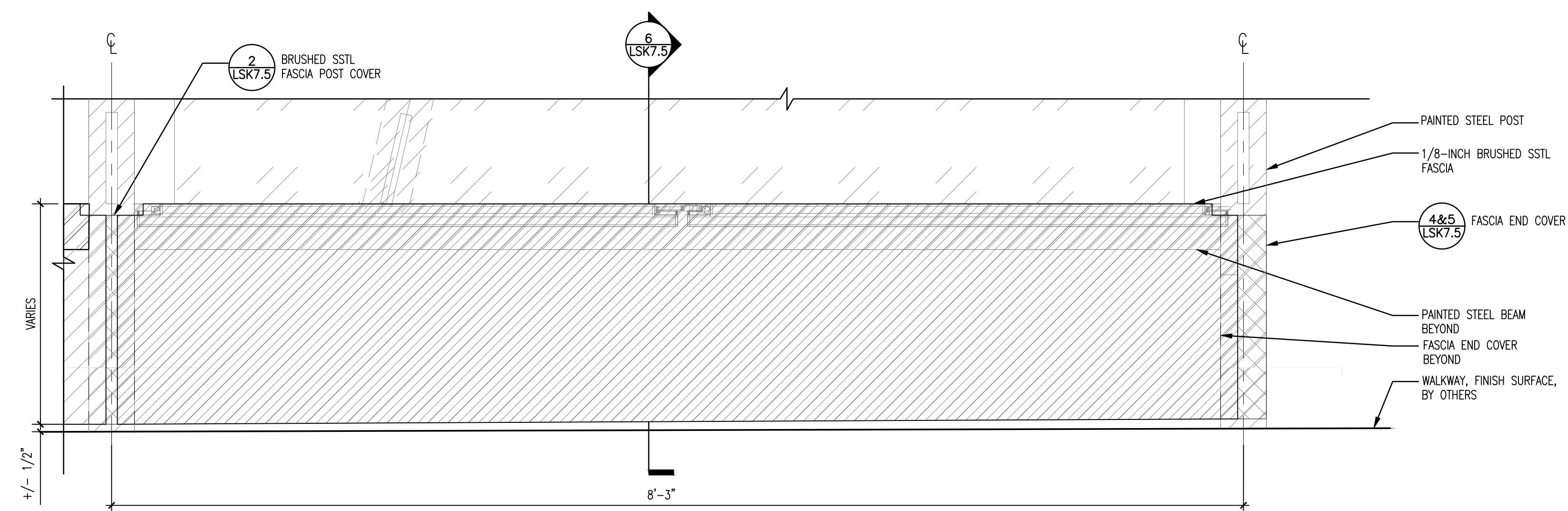
4 FASCIA END POST COVER ELEVATION, ALL TYPES  
SCALE: 3"=1'-0"



2 FASCIA MIDDLE POST COVER ELEVATION, ALL TYPES  
SCALE: 3"=1'-0"



6 CURTAIN CALL - FASCIA PANEL SECTION TYPICAL  
SCALE: 1-1/2"=1'-0"



1 CURTAIN CALL - FASCIA ASSEMBLY ELEVATION  
SCALE: 1-1/2"=1'-0"



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CURTAIN CALL  
LIGHT TOWER

Submission:

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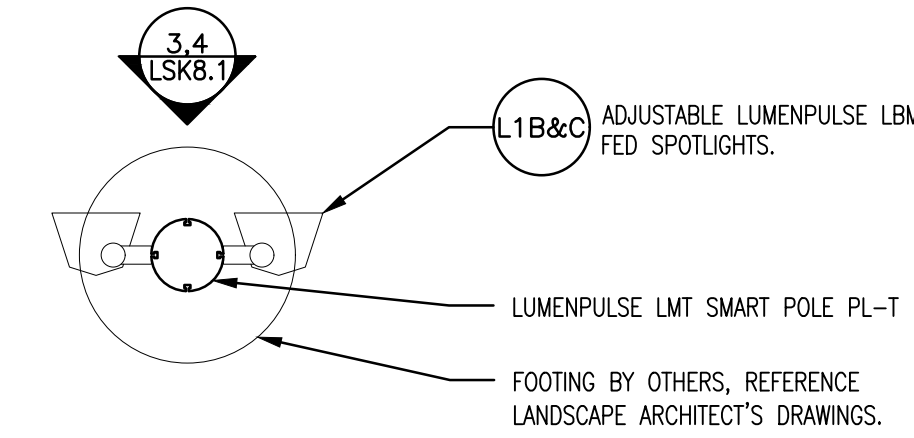
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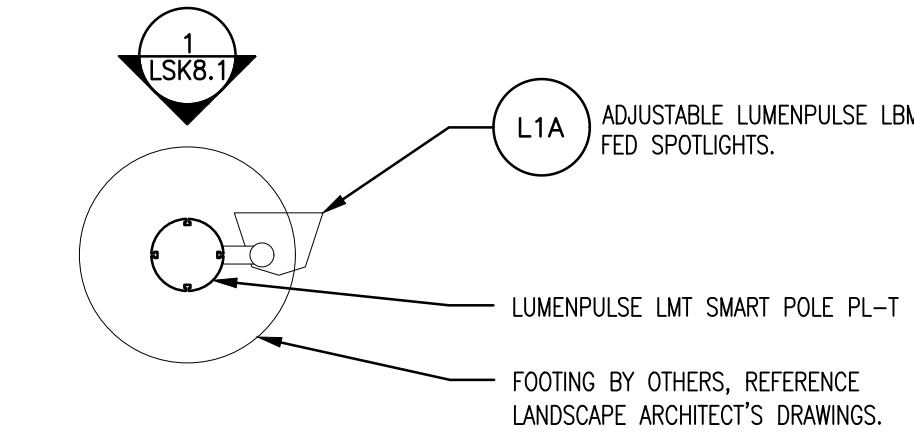
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- FOR REFERENCE ONLY, INCORPORATE INTO LAQUATRA BONCI'S ELECTRICAL DRAWINGS FOR FINAL CONSTRUCTION DOCUMENTS.
- ELECTRICAL STUB UP THROUGH CENTER OF FOOTING SHALL BE PROVIDED BY OTHERS.
- COMMUNICATION STUB UP THROUGH CENTER OF FOOTING SHALL BE PROVIDED BY OTHERS.
- FOOTING DESIGN BY OTHERS.
- ELECTRICAL CONTRACTOR SHALL INSTALL ARTWORK LIGHT POLE AND CONNECT ARTWORK LIGHT FIXTURES.
- REFER TO MANUFACTURER SKETCH.
- REFER TO MATERIALS SCHEDULE FOR LIGHT FIXTURE TYPES & QUANTITIES.

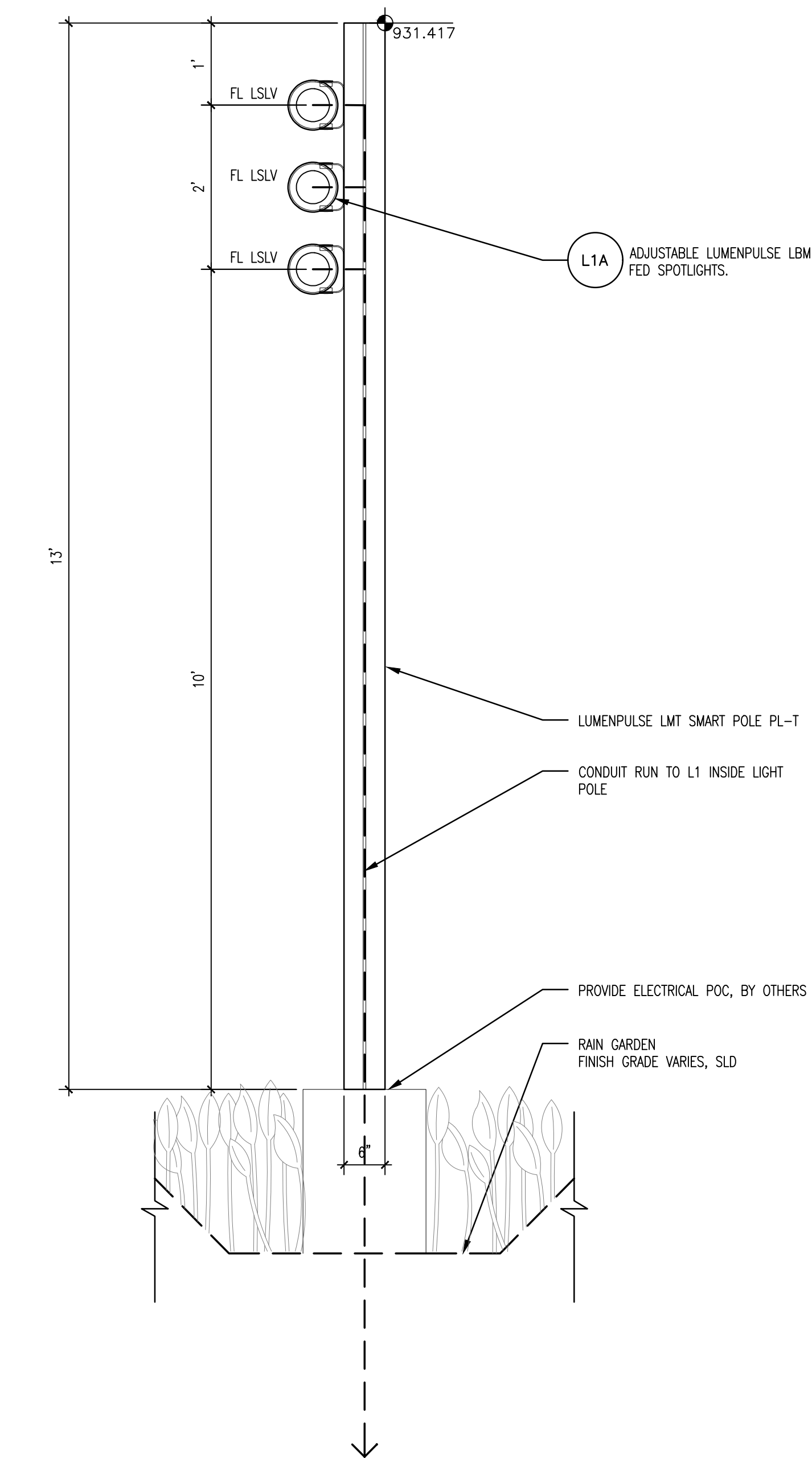


AREAS B AND C

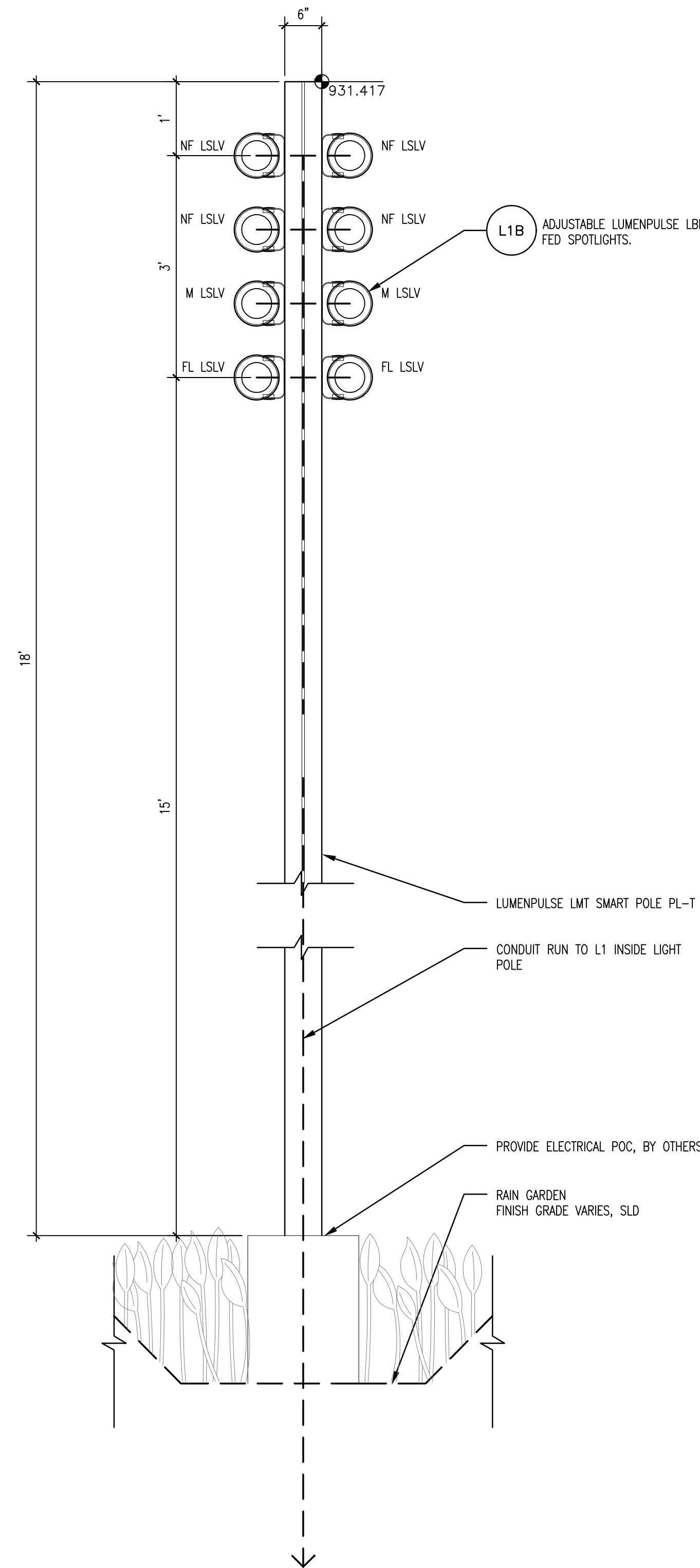


AREA A

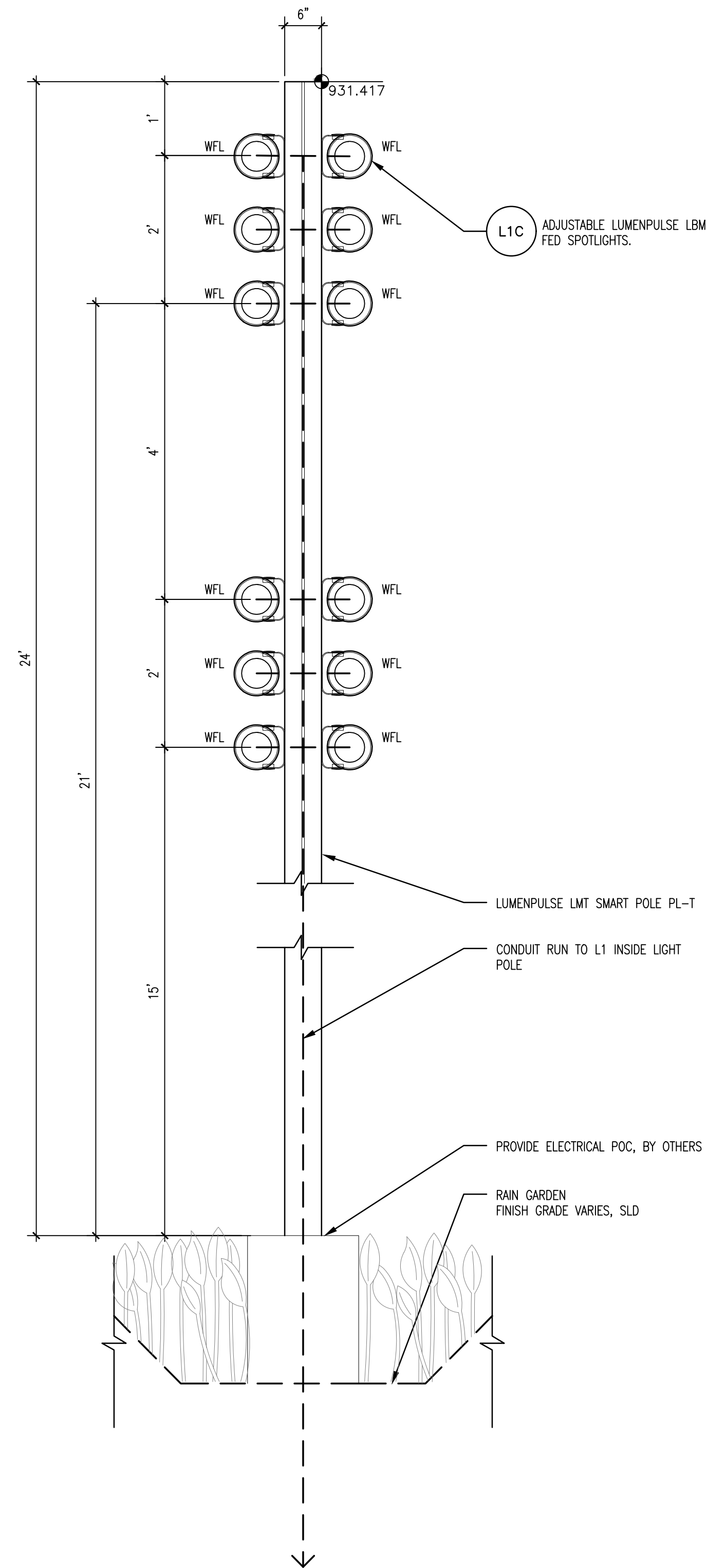
2 LIGHT TOWER PLAN, L1  
SCALE: 3/4"=1'-0"



1 AREA A - LIGHT TOWER ELEVATION, L1  
SCALE: 3/4"=1'-0"



3 AREA B - LIGHT TOWER LEFT ELEVATION, L1  
SCALE: 3/4"=1'-0"



4 AREA C - LIGHT TOWER LEFT ELEVATION, L1  
SCALE: 3/4"=1'-0"

NOTES:

1. FOR REFERENCE ONLY, INCORPORATE INTO LAOR ELECTRICAL DRAWINGS FOR FINAL CONSTRUCTION DOCUMENTS.
2. ELECTRICAL CONTRACTOR SHALL CONNECT ARTWORK LIGHT FIXTURES TO POWER CONNECTION AT ADJACENT J-BOX, SEE LA ELECTRICAL PLAN.
3. REFER TO MATERIALS SCHEDULE FOR LIGHT FIXTURE TYPES & QUANTITIES.



Landscape  
Architecture

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HOOD  
STUDIO  
ARTIST

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Lower Hill-Curtain Call  
Pittsburgh, PA

Project Number:  
21020-1  
Drawn by:  
SS  
Checked by:  
AD  
Date:  
April 28, 2023

Revisions:

Scale:

Sheet Name:

CURTAIN CALL  
FASCIA LIGHTING

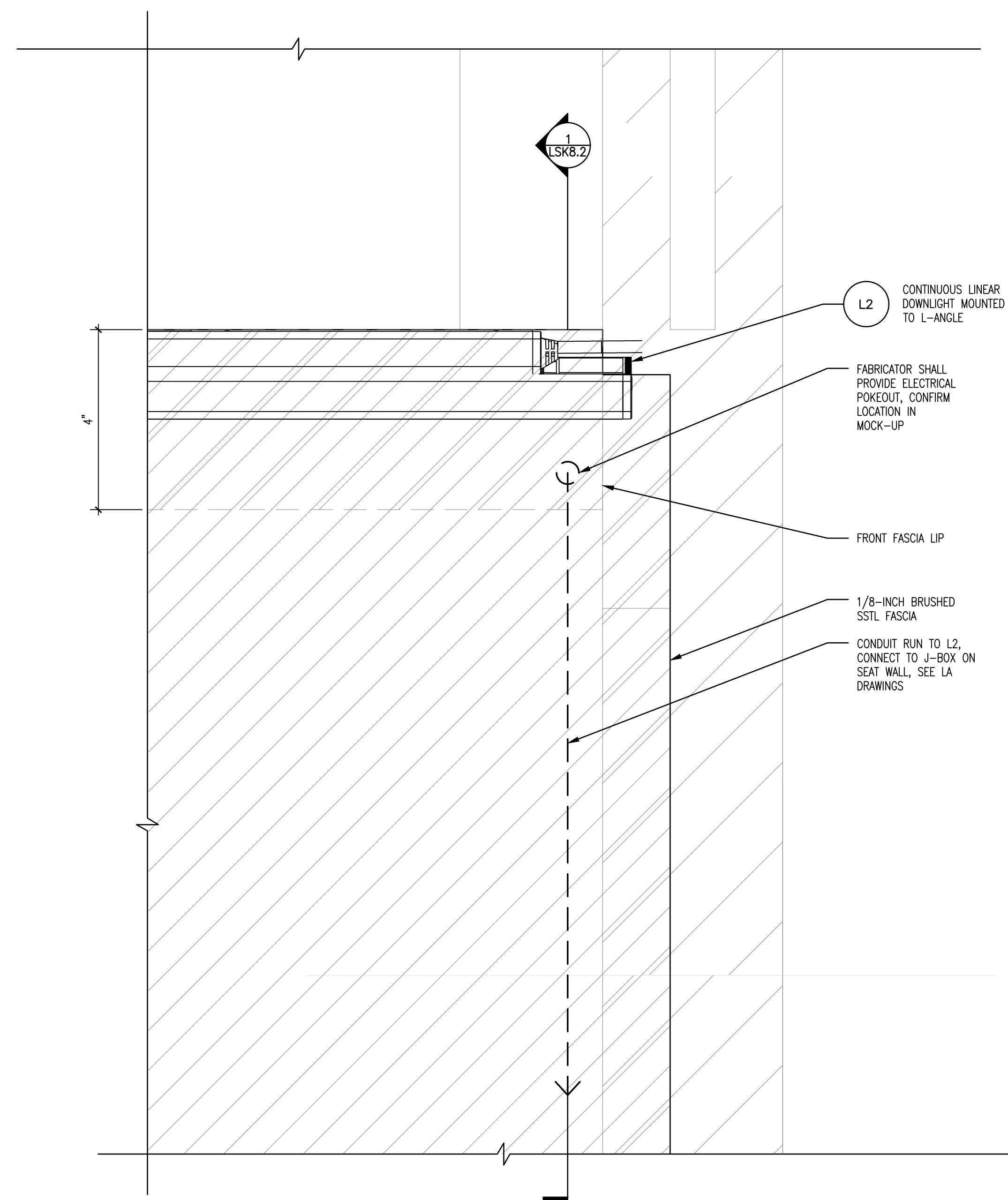
Submission:

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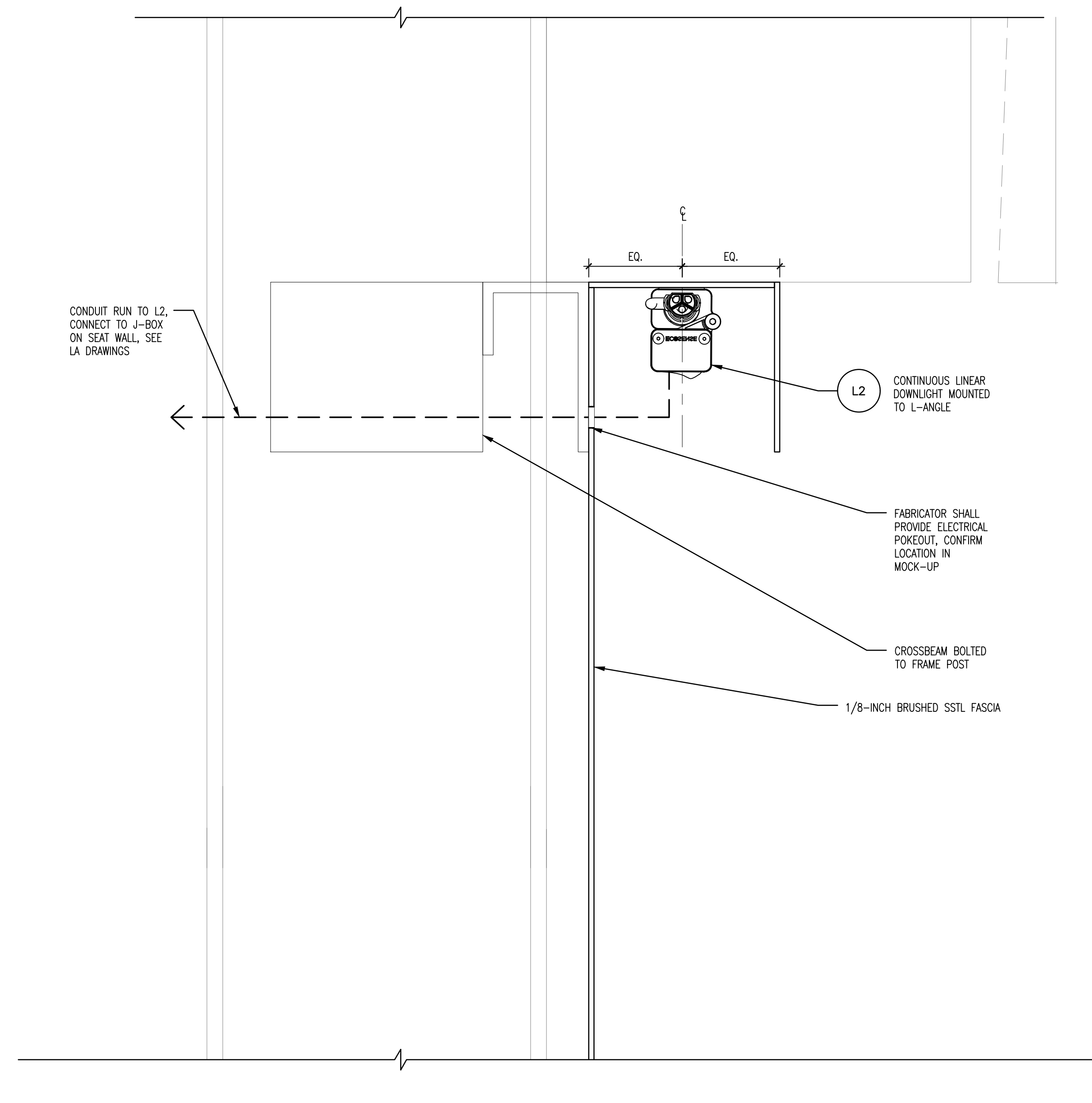
Sheet Number:

LSK8.2

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2 L2 ATTACHMENT ELEVATION  
SCALE: 6"=1'-0"



1 L2 ATTACHMENT SECTION  
SCALE: 6"=1'-0"

NOTES:

1. FOR REFERENCE ONLY, INCORPORATE INTO LAQUATRA BONCI'S ELECTRICAL DRAWINGS FOR FINAL CONSTRUCTION DOCUMENTS.
2. AUDIO SYSTEM DRAWINGS AND SPECIFICATIONS TO BE PROVIDED A DEFERRED SUBMITTAL.
3. A/V CONTRACTOR SHALL REFER TO AUDIO SYSTEM DRAWINGS AND SPECIFICATIONS TO PROCURE AND INSTALL AUDIO ELECTRONIC COMPONENTS, TERMINATE CABLING, CONFIGURE, TEST AND COMMISSION THE AUDIO SYSTEM.
4. REFER TO MATERIALS SCHEDULE FOR LIGHT FIXTURE TYPES & QUANTITIES.



Landscape Architecture

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21020:1  
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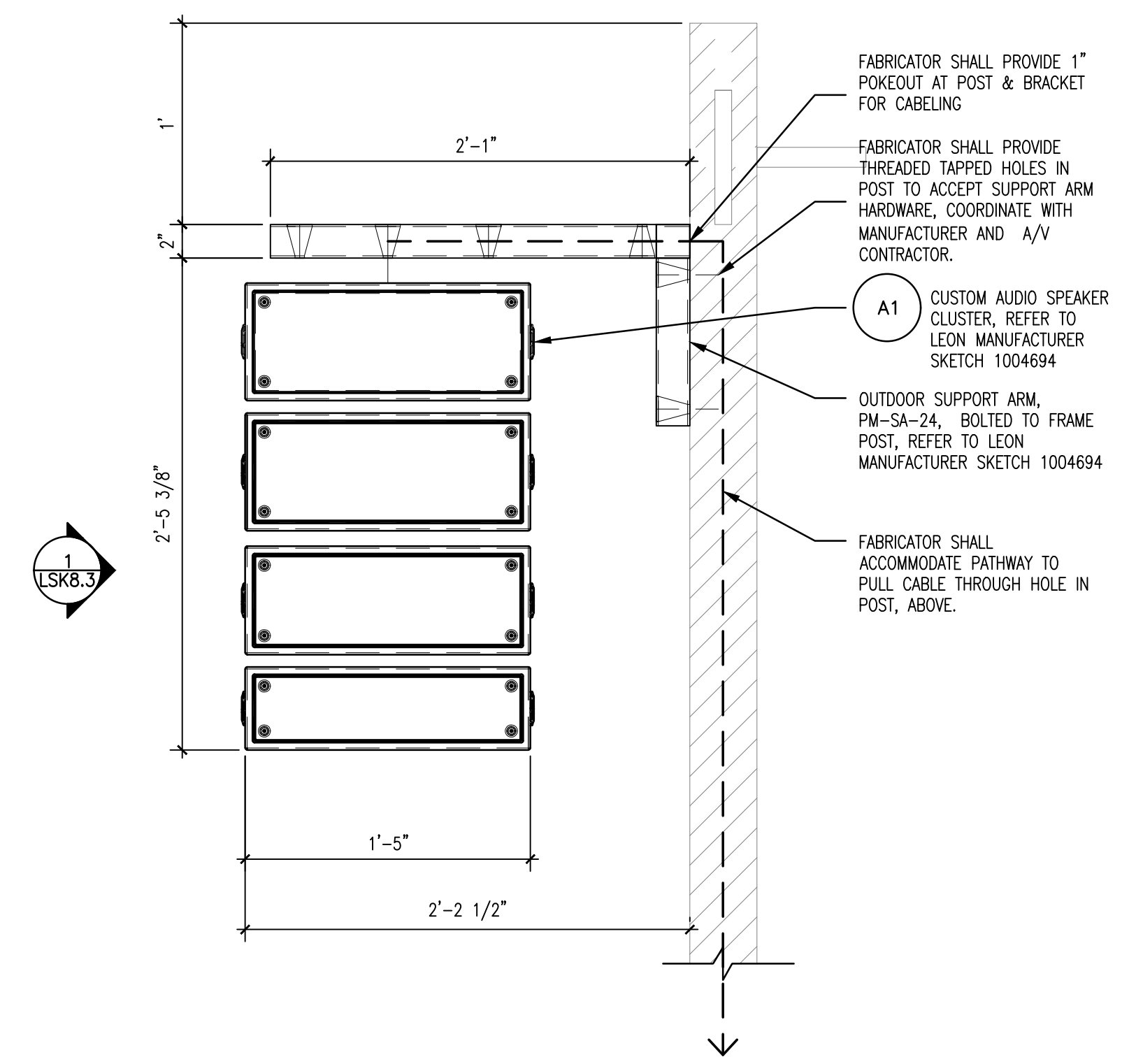
Sheet Name:  
CURTAIN CALL  
AUDIO SYSTEM  
ATTACHMENT

Submission:  
100% Construction Documents

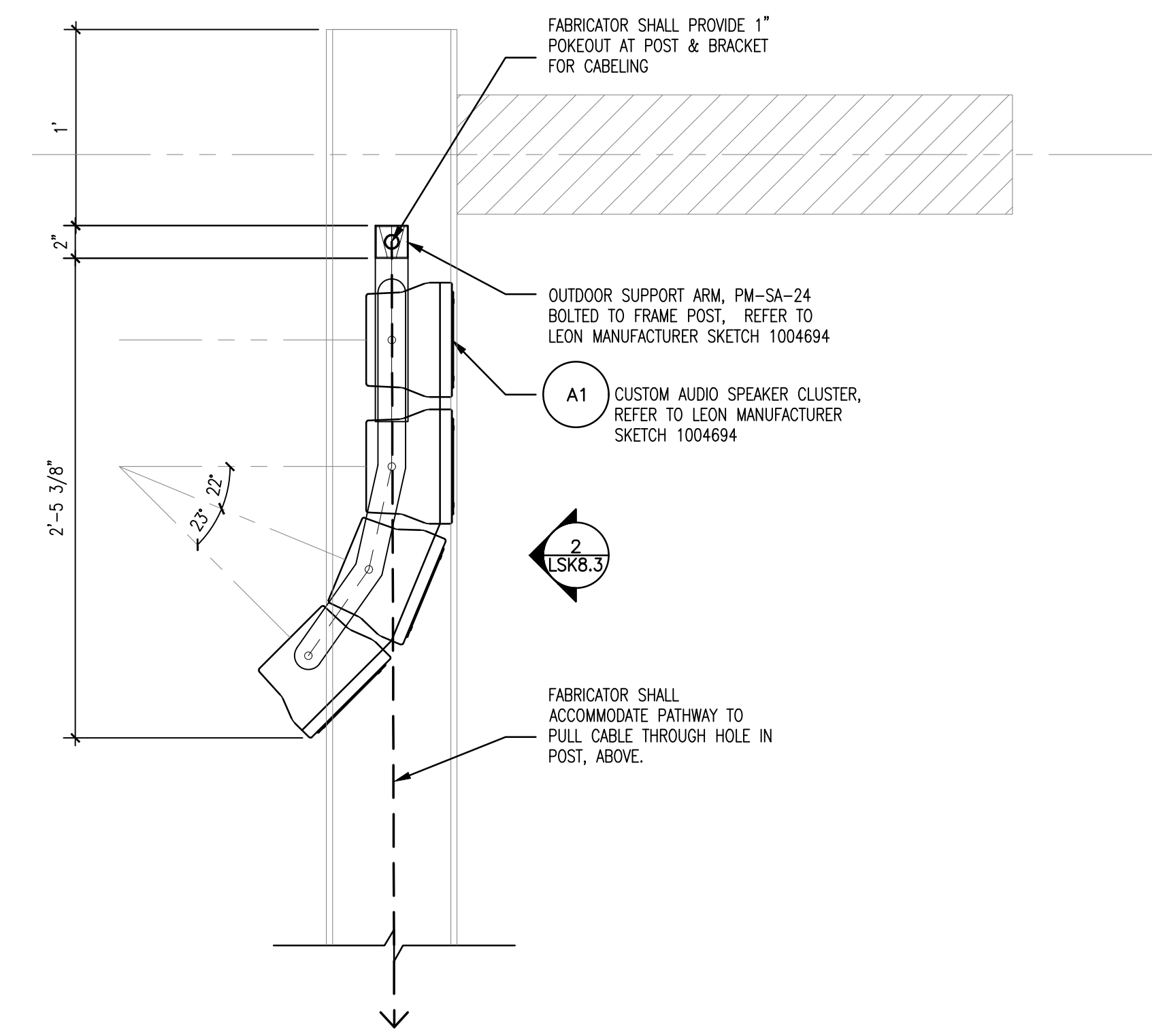
Sheet Number:

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2 SPEAKER ATTACHMENT ELEVATION  
SCALE: 1-1/2"=1'-0"



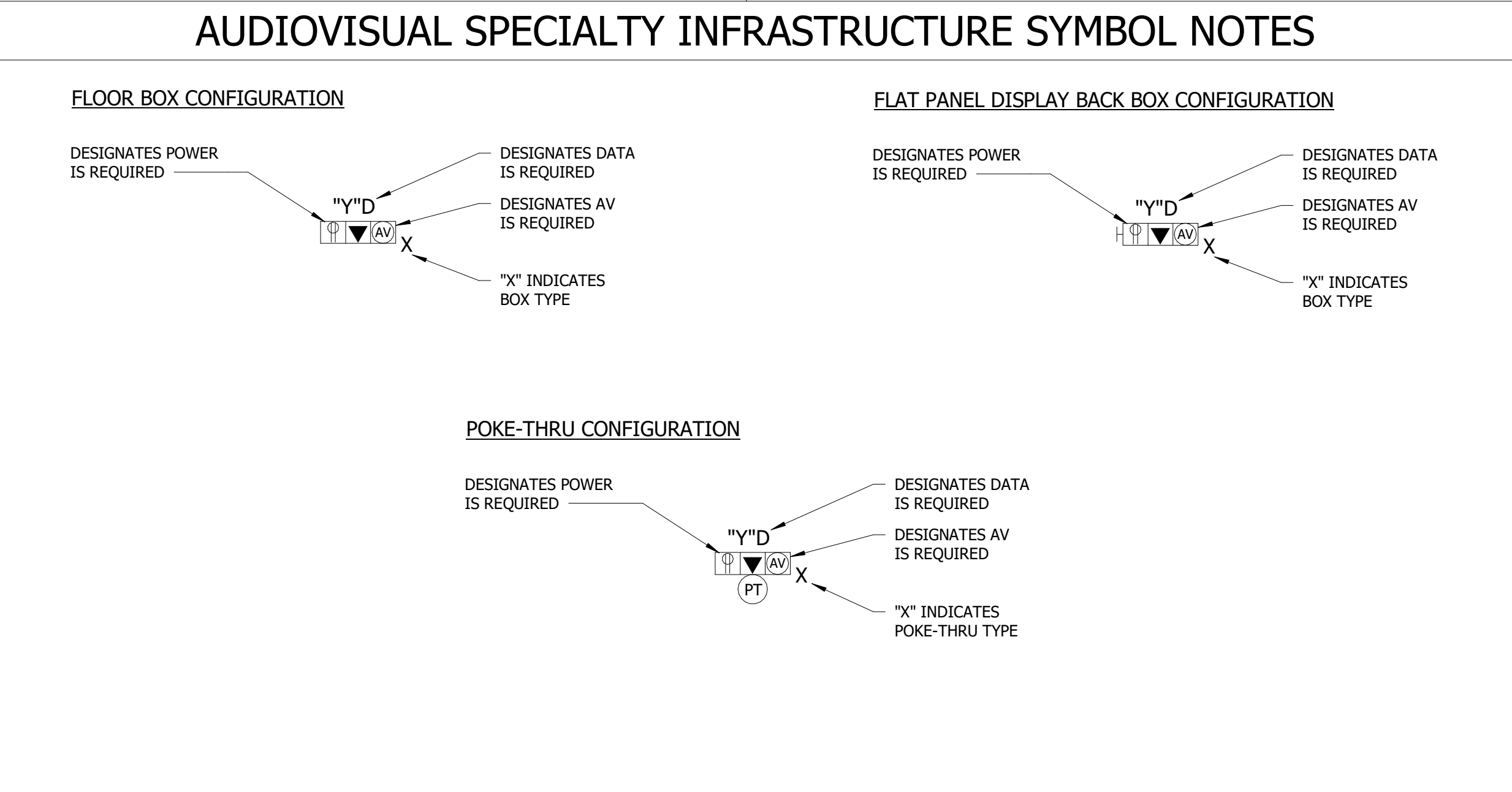
1 SPEAKER ATTACHMENT LEFT ELEVATION  
SCALE: 1-1/2"=1'-0"

ABBREVIATIONS	
A/E	ARCHITECT/ENGINEER
ADA	AMERICANS WITH DISABILITIES ACT
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ARCH	ARCHITECT
AV	AUDIOVISUAL
AVC	AUDIOVISUAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS
BFF	BELOW FINISH FLOOR
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL
CAT	CATEGORY
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CD	CONSTRUCTION DOCUMENTS
CL	CENTERLINE
CLG	CEILING
CONTR	CONTRACTOR
DEMO	DEMOLITION
DIA	DIAGRAM
EC	ELECTRICAL CONTRACTOR
EG	EQUIPMENT GROUND
ELEC	ELECTRICAL
EMER	EMERGENCY
ENCL	ENCLOSURE
EQ	EQUAL DIMENSION
EQUIV.	EQUIVALENT
FB	FLOOR BOX
FT	FEET
FP	FIRE PROTECTION
FPT	FLOOR POKE-THRU
GND	GROUND
GC	GENERAL CONTRACTOR
HT	HEIGHT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
IDS	INTRUSION DETECTION SYSTEM
IN	INCHES
I/O	AUDIOVISUAL I/O PANEL
J-BOX	JUNCTION BOX
LAN	LOCAL AREA NETWORK
LV	LOW VOLTAGE
KP	KEYPAD
M	MICROPHONE
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
NEC	NATIONAL ELECTRICAL CODE
NTS	NOT TO SCALE
PB	PULL BOX
PBB	PRIMARY BONDING BUSBAR
PT	POKE THRU
PTZ	PAN / TILT / ZOOM
PWR	POWER
QTY	QUANTITY
RCDD	REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
RECPT	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RU	RACK UNIT
S	SPEAKER
SB	SPECIALTY BACK BOX
SBB	SECONDARY BONDING BUSBAR
TE	TELECOMMUNICATIONS ENCLOSURE
TC	TELECOMMUNICATIONS CONTRACTOR
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TV	TELEVISION
TP	TOUCH PANEL
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTIL	UTILITY
WP	WEATHERPROOF
WAP	WIRELESS ACCESS POINT

AUDIOVISUAL SYMBOLS	
<b>WALL MOUNTED DEVICES</b>	
	WALL MOUNTED SPECIALTY AC POWER RECEPTACLE. "X" INDICATES TYPE, SEE INFRASTRUCTURE SCHEDULE.
	WALL MOUNTED DUPLEX AC POWER RECEPTACLE 120V/20A AFF UNLESS OTHERWISE NOTED.
	WALL MOUNTED DOUBLE DUPLEX AC POWER RECEPTACLE 120V/20A UNLESS OTHERWISE NOTED.
	WALL MOUNTED AC POWER PULL BOX. 120V/20A UNLESS OTHERWISE NOTED.
	WALL MOUNTED CAMERA. PROVIDED BY AVC.
	WALL MOUNTED SPEAKER. PROVIDED BY AVC.
	WALL MOUNTED FLAT PANEL DISPLAY BACK BOX FOR POWER, DATA AND AUDIOVISUAL. "X" INDICATES TYPE, SEE INFRASTRUCTURE SCHEDULE.
	WALL MOUNTED AUDIOVISUAL DEVICE. "X" INDICATES TYPE, SEE INFRASTRUCTURE SCHEDULE.
<b>FLOOR MOUNTED DEVICES</b>	
	FLOOR CONDUIT PENETRATION
	FLOOR BOX FOR POWER, DATA AND AUDIOVISUAL. "X" INDICATES TYPE, SEE INFRASTRUCTURE SCHEDULE.
	POKE-THRU FOR POWER, DATA AND AUDIOVISUAL. "X" INDICATES TYPE, SEE INFRASTRUCTURE SCHEDULE.
	AUDIOVISUAL DEVICE FOR FLOOR BOX/POKE-THRU.
	AUDIOVISUAL EQUIPMENT RACK
	FLOOR BOX/POKE-THRU SPECIALTY AC POWER RECEPTACLE "X"V,"X"A, UNLESS OTHERWISE NOTED.
	FLOOR BOX/POKE-THRU DUPLEX AC POWER RECEPTACLE 120V/20A UNLESS OTHERWISE NOTED.
	FLOOR BOX/POKE-THRU DOUBLE DUPLEX AC POWER RECEPTACLE 120V/20A UNLESS OTHERWISE NOTED.
	FLOOR BOX/POKE-THRU AC POWER PULL BOX, 120V/20A UNLESS OTHERWISE NOTED.
<b>MISCELLANEOUS ITEMS</b>	
	SINGLE WALL ELEVATION MARKER
	MULTI WALL ELEVATION MARKER
	ROOM SECTION MARKER
	ENLARGED PLAN CALLOUT MARKER

- ### GENERAL NOTES
- ALL WALL MOUNTED OUTLETS ARE TO BE MOUNTED AT 18" AFF (TO CL OF BOX), UNLESS OTHERWISE NOTED. INSTANCE BELOW IS TYPICAL OF TWO BOXES ON THE SAME VERTICAL PLANE.
  - ALL POWER RECEPTACLES AND TELECOMMUNICATIONS OUTLETS ARE FOR AV REFERENCE ONLY. REFER TO ELECTRICAL AND TELECOMMUNICATIONS DRAWINGS FOR FINAL LOCATIONS.
  - THE AUDIOVISUAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SAFETY. THE ARCHITECT AND/OR ENGINEER WILL ASSUME NO RESPONSIBILITY FOR WORKMAN'S OR PEDESTRIAN'S SAFETY.
  - NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL BE CONSTRUCTED TO CONFLICT WITH ANY NATIONAL, STATE, MUNICIPAL, OR LOCAL LAW OR REGULATIONS.
  - THE WORK UNDER THIS CONTRACT SHALL INCLUDE THE FURNISHING OF ALL NECESSARY MATERIALS, TOOLS, AND LABOR FOR A COMPLETE AND WORKING INSTALLATION AS DEFINED BY THE PLANS AND SPECIFICATIONS.
  - THE AUDIOVISUAL CONTRACTOR AT THE SITE SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PERTAINING TO THE INSTALLATION OF THE AUDIOVISUAL SYSTEMS. WHEN THE CONTRACTOR UNCOVERS CONDITIONS NOT INDICATED ON THE PLANS OR IN THE SPECIFICATIONS, THEY SHALL NOTIFY THE ARCHITECT AND/OR ENGINEER PRIOR TO PROCEEDING WITH ANY WORK. FAILURE TO NOTIFY WILL MAKE THE CONTRACTOR RESPONSIBLE FOR ALL COSTS AND CONSEQUENCES OF SUCH FAILURE.
  - CONTRACTOR SHALL CLEAN UP ALL DEBRIS AT THE END OF EACH WORK DAY.
  - ALL CONDUITS RUN IN EXPOSED AREAS SHALL BE MOUNTED TIGHT TO THE UNDERSIDE OF THE STRUCTURAL STEEL. COORDINATE EXACT LOCATIONS OF EQUIPMENT WITH OTHER CONSTRUCTION TRADES
  - EXACT LOCATIONS OF FLOOR BOXES, SHALL BE COORDINATED WITH FURNITURE AND EQUIPMENT PLANS.
  - ALL DEVICES SHOWN ON THE EXTERIOR OF THE BUILDING SHALL BE WEATHERPROOF TYPE.

- ### INDUSTRY STANDARDS
- AUDIOVISUAL INSTALLATION SHALL COMPLY WITH THE MOST CURRENT VERSION OF THE FOLLOWING STANDARDS:
- AMERICANS WITH DISABILITIES ACT, 2010
- ANSI/ASA S12.60; ACOUSTICAL PERFORMANCE CRITERIA, DESIGN REQUIREMENTS, AND GUIDELINES FOR SCHOOLS
- ANSI/INFOCOMM 2M-2010, STANDARD GUIDE FOR AUDIOVISUAL SYSTEMS DESIGN AND COORDINATION PROCESS (PROJECT MANAGEMENT PROCESS)
- ANSI/INFOCOMM 3M-2011 PROJECTED IMAGE SYSTEM CONTRAST RATIO
- ANSI/INFOCOMM 4: 2012 AUDIOVISUAL SYSTEMS ENERGY MANAGEMENT
- ANSI/INFOCOMM V202.01:2016, DISPLAY IMAGE SIZE FOR 2D CONTENT IN AUDIOVISUAL SYSTEMS
- AV DESIGN REFERENCE MANUAL, FROM INFOCOMM INTERNATIONAL
- DAVIS AND DAVIS, 1987 "SOUND SYSTEM ENGINEERING"
- GIDDINGS, 1990, "AUDIO SYSTEMS DESIGN AND INSTALLATION"
- INFOCOMM, AV/IT INFRASTRUCTURE GUIDELINES FOR HIGHER EDUCATION
- AV 9000:2012 QUALITY MANAGEMENT SYSTEM CONDUIT, PATHWAY, AND DEDICATED EQUIPMENT ROOM CONSIDERATIONS
- AUDIOVISUAL SYSTEM DESIGN AND COORDINATION COMPONENTS, FROM INFOCOMM INTERNATIONAL
- ANSI/TIA-568.0-E - GENERIC TELECOMMUNICATIONS CABLING FORCUSTOMER PREMISES, 2020
- ANSI/TIA-568.1-E - COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARD, 2020
- ANSI/TIA-568.2-D - BALANCED TWISTED-PAIR TELECOMMUNICATIONS CABLING AND COMPONENTS STANDARD, 2018
- ANSI/TIA-568.3-D - OPTICAL FIBER CABLING COMPONENTS STANDARD, 2016
- ANSI/TIA-568.4-D - BROADBAND COAXIAL CABLING AND COMPONENTS STANDARD, 2017
- ANSI/TIA-569-E - TELECOMMUNICATIONS PATHWAYS AND SPACES, 2019
- ANSI/TIA/EIA-598-D - OPTICAL FIBER CABLE COLOR CODING, 2014
- ANSI/TIA-606-D - ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE, 2021
- ANSI/TIA-607-D - COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS, 2019
- ANSI/TIA-758-B - CUSTOMER-OWNED OUTSIDE PLANT TELECOMMUNICATIONS INFRASTRUCTURE STANDARD, 2012
- NFPA 70 - NATIONAL ELECTRICAL CODE (NEC)
- NFPA 75 - STANDARD FOR THE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT
- NFPA 76 - STANDARD FOR THE FIRE PROTECTION OF TELECOMMUNICATIONS FACILITIES
- BICSI - TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 14TH EDITION, 202



DRAWING LIST	
SHEET NO.	SHEET NAME
TA-001	AUDIOVISUAL SYMBOLS AND NOTES
TA-002	AUDIOVISUAL SCHEDULES
TA-101	AUDIOVISUAL FLOOR PLAN
TA-501	CURTAIN CALL - AUDIOVISUAL RISER DIAGRAM
TA-601	AUDIOVISUAL DETAILS



Lower Hill-Curtain Call  
Pittsburgh, PA

Project Number:  
21020:1

Drawn by:  
BR

Checked by:  
-

Date:  
March 31st, 2023

Revisions:

Scale:  
NTS

Sheet Name:  
AUDIOVISUAL SYMBOLS AND NOTES

Submission:  
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Sheet Number:

# TA-001

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Lower Hill-Curtain Call  
Pittsburgh, PA

### INFRASTRUCTURE TYPE SCHEDULE

TYPE	FUNCTION	MANUFACTURER	MODEL	ENCLOSURE DESCRIPTION	MOUNTING STYLE	POWER REQUIREMENTS	DETAIL
J1	24 x 24 OUTDOOR NEMA4 TEMP CONTROLLED ENCLOSURE W/ POWER	MIER	BW-124ACHT	NEMA 4 OUTDOOR ENCLOSURE - 2000BTU AC / 150W HEATER	SURFACE MOUNT - 24" ABOVE GRADE	120V/20A (x2) DUAL DUPLEX 5-20R	1/TA-601
J2	SINGLE GANG NEMA 3R OUTDOOR JUNCTION BOX	HUBBELL/BELL OR EQUIV.	5387-0 OR EQUIV.	MID-SPAN PULL BOX W/COVER	SURFACE MOUNT TO WALL ADJACENT TO POST	-	

INFRASTRUCTURE SCHEDULE NOTES:

- TELECOM OUTLETS THAT ARE SHOWN ON THE AUDIOVISUAL TA-SERIES INFRASTRUCTURE DRAWINGS ARE REPRESENTATIVE OF TELECOM CONNECTIVITY REQUIREMENTS IN SUPPORT OF THE AUDIOVISUAL SYSTEMS. THE LOCATION OF TELECOM OUTLETS ASSOCIATED WITH AUDIOVISUAL EQUIPMENT IN RELATION TO OTHER AUDIOVISUAL INFRASTRUCTURE MAY BE CRITICAL. REFER TO THE STRUCTURED CABLING SYSTEM SPECIFICATIONS AND TT-SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
- TECHNICAL POWER RECEPTACLES, INCLUDING THOSE WITHIN COMPOUND FLOOR BOXES, WALL BOXES, OR CEILING BOXES, ARE PROVIDED BY ELECTRICAL CONTRACTOR AND APPEAR ON THE ELECTRICAL DRAWINGS. THESE TECHNICAL POWER RECEPTACLES ALSO APPEAR ON THE AUDIOVISUAL TA-SERIES INFRASTRUCTURE DRAWINGS FOR COORDINATION AND LOCATION PURPOSES. THE LOCATION OF TECHNICAL POWER RECEPTACLES IN RELATION TO OTHER AUDIOVISUAL INFRASTRUCTURE MAY BE CRITICAL. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING INFORMATION.

Project Number:

21020:1

Drawn by:

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March 31st, 2023

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AUDIOVISUAL SCHEDULES

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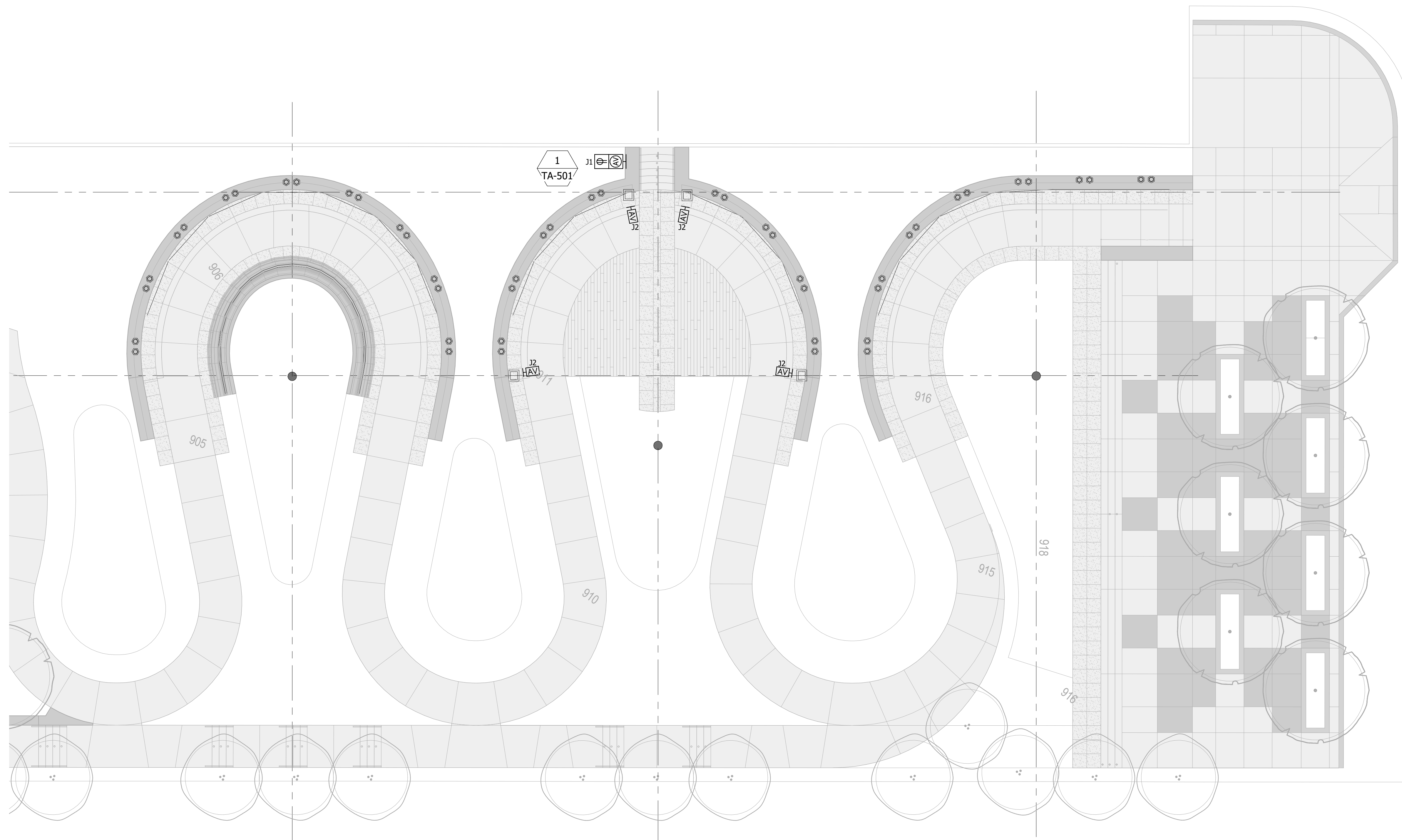
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① Level 1 AV Infrastructure Plan  
 Scale: 1/8" = 1'-0"

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 -  
 Date:  
 March 31st, 2023

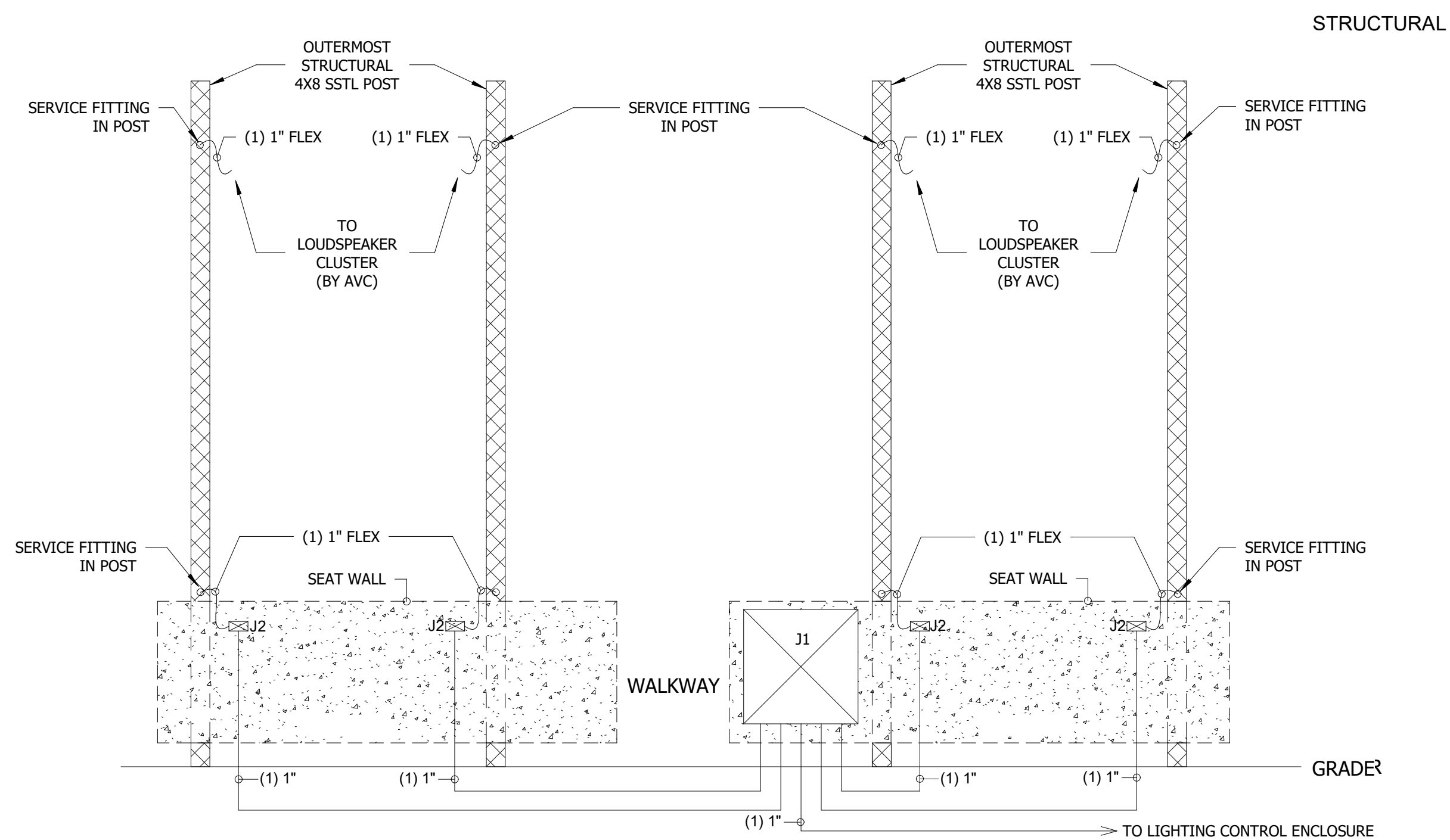
Revisions:

Scale:  
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Sheet Name:  
 AUDIOVISUAL FLOOR PLAN

Submission:  
 100% Construction Documents

Sheet Number:  
**TA-101**



NOTES:  
1. J1 BOX MOUNTED TO EXTERIOR SIDE OF SEAT WALL. SEE PLANS FOR LOCATION.  
2. J2 BOXES MOUNTED TO INTERIOR SIDE OF SEAT WALL. SEE PLANS FOR LOCATION.

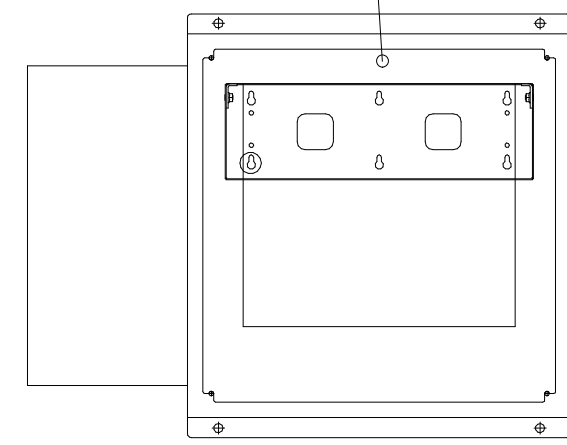
① RISER DIAGRAM - CURTAIN CALL AREA B  
Scale: 1/2" = 1'-0"

INFRASTRUCTURE TYPE RISER DEVICE LEGEND		
TAG	DESCRIPTION	Detail
J1	MIER BW-124ACHT TEMP CONTROLLED NEMA4 ENCLOSURE	1/TA-601
J2	OUTDOOR NEMA3 RATED 4X2 PULL BOX	-

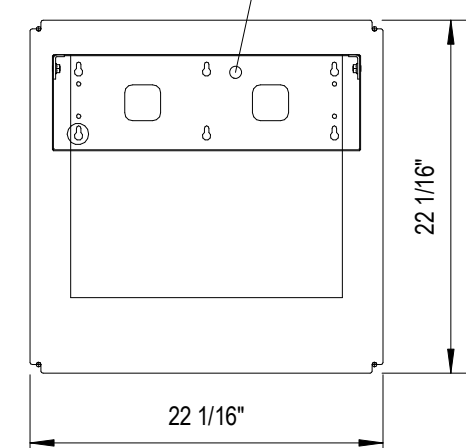
**RISER DIAGRAM GENERAL NOTES:**

- ALL CONDUIT RUNS SHALL BE STEEL, THIN-WALL ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE INDICATED. (ALSO REFER TO NOTE 6 BELOW)
- TERMINATE ALL CONDUIT STUBS ABOVE ACCESSIBLE CEILING IN INDICATED SPACES. NYLON BUSHINGS SHALL BE PROVIDED ON ALL CONDUIT STUBS.
- PROVIDE PULL STRING IN ALL CONDUIT RUNS.
- COMPLY WITH INDUSTRY STANDARDS AND BEST PRACTICES IN CONDUIT ROUTING PROVIDING APPROPRIATE QUANTITY OF PULL BOXES ALONG ANY PATH WITH MULTIPLE BENDS REGARDLESS OF WHAT IS INDICATED IN THE RISER DIAGRAMS.
- CONTRACTOR SHALL COMPLY WITH INDUSTRY STANDARDS AND BEST PRACTICES IN REGARD TO APPLICATION APPROPRIATE PRODUCTS FOR OUTDOOR OR DIRECT BURIAL USE.

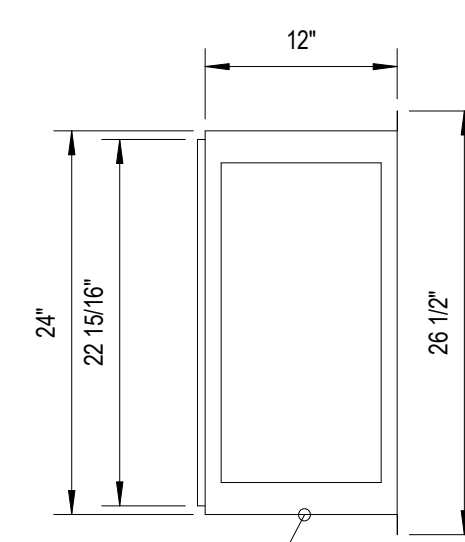
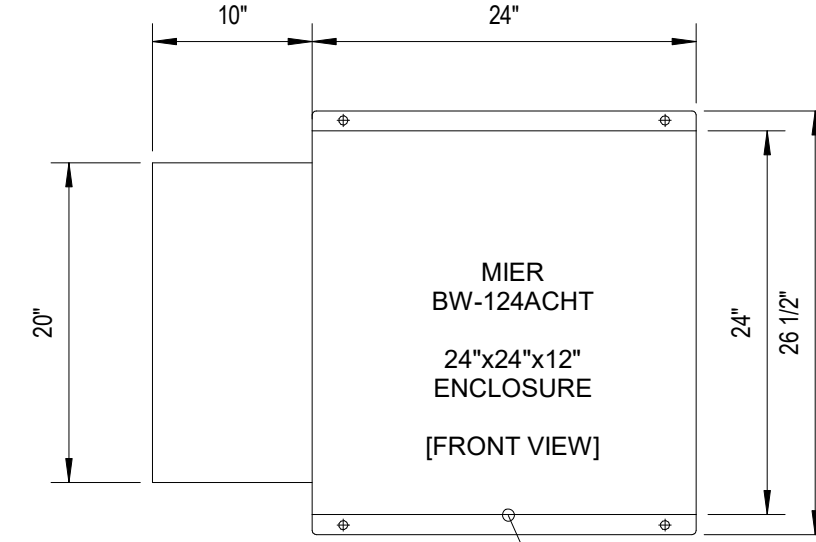
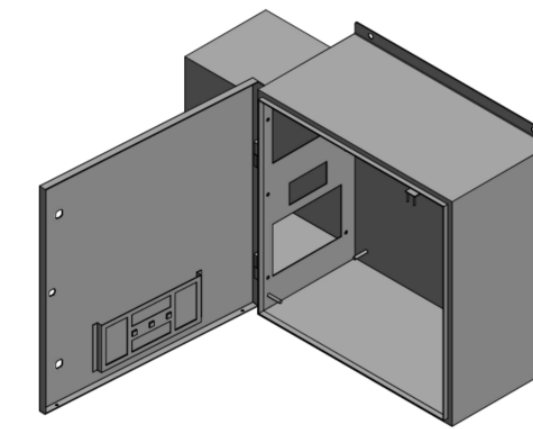
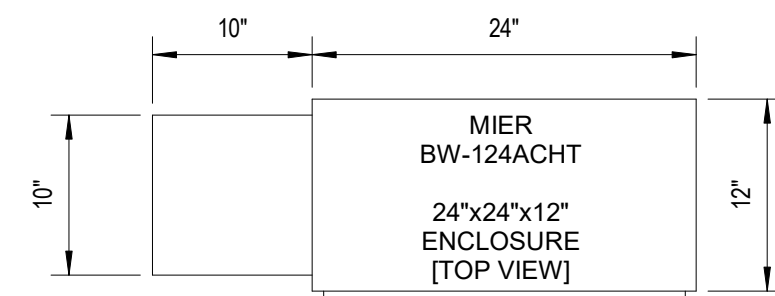
BW-124PO BACK PANEL W/ VPM-4 VERTICAL PANEL MOUNT RACK RAIL SHOWN MOUNTED WITHIN MEIR BW-124ACHT ENCLOSURE



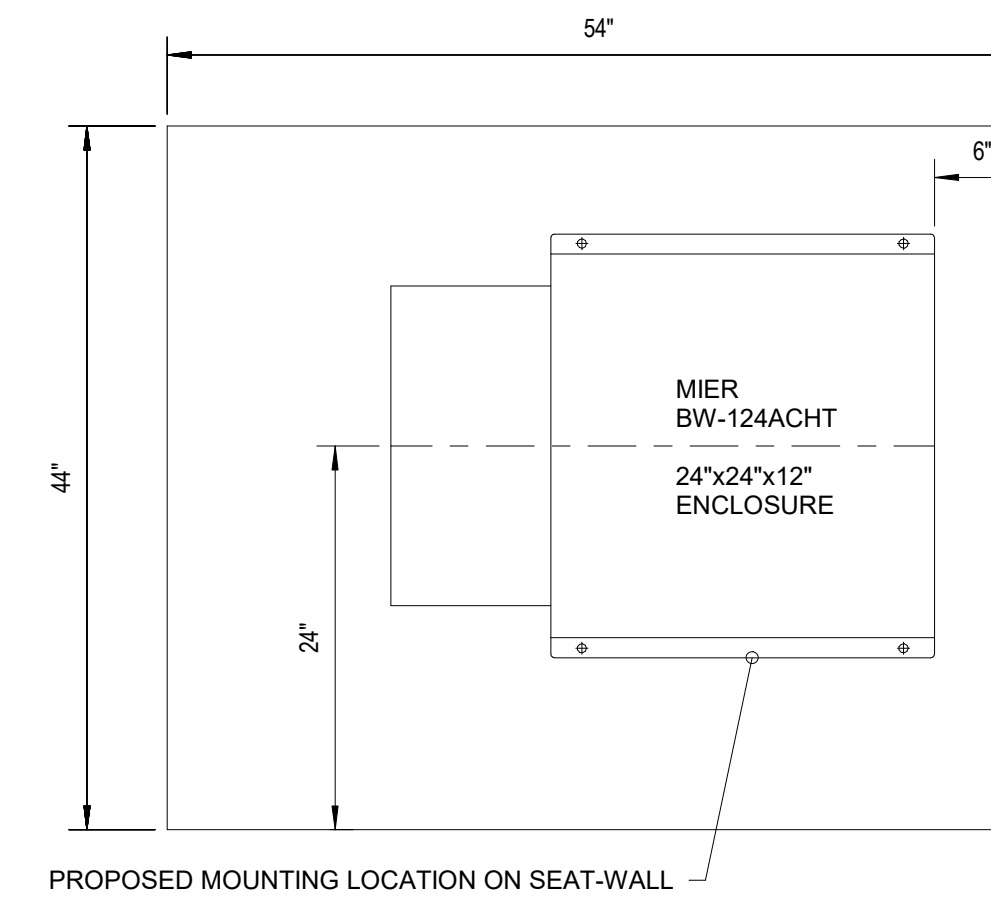
MIDDLE ATLANTIC VPM-4 VERTICAL PANEL MOUNT RACK RAIL (BY AUDIOVISUAL CONTRACTOR)



MIER BW-124PO  
22" X 22" BACK PANEL  
FOR 24" X 24" ENCLOSURES



ALL AV CONDUIT ENTRIES  
PER AUDIOVISUAL RISER DIAGRAM  
REFER TO NOTES BELOW



**NOTES ON INSTALLER OR END-USER MODIFICATION TO NEMA RATED ENCLOSURES:**

INSTALLERS OR END-USERS OF ELECTRICAL ENCLOSURES OFTEN MODIFY THE ENCLOSURE TO MEET THEIR INSTALLATION APPLICATIONS. TYPICAL MODIFICATIONS INCLUDE CUTTING HOLES IN THE ENCLOSURE TO RUN POWER AND CABLE INTO THE ENCLOSURE OR FOR AN ANTENNA. IN ORDER TO KEEP THE NEMA RATING INTEGRITY OF THE ENCLOSURE, AND PROTECT THE EQUIPMENT MOUNTED WITHIN, MIER PRODUCTS' ENGINEERING TEAM RECOMMENDS ANY RGS FITTING HOLES OR MODIFICATIONS BE SEALED WITH LIQUID-TIGHT CONDUIT FITTINGS. MOST INSTALLERS REMEMBER TO DO THIS AROUND THE OUTSIDE OF THE HOLES THEY CREATE, BUT YOU MUST ALSO REMEMBER TO SEAL THE INSIDE OF THE HOLE AS "GROUND CONDENSATION" MAY COME UP THROUGH WIRING CONDUIT RUNNING INTO THE GROUND, OR RAIN AND MOISTURE DROPLETS MAY TRAVEL THROUGH PVC OR PIPE COMING INTO THE ENCLOSURE FROM ABOVE, ALLOWING MOISTURE INSIDE THE ENCLOSURE. MIER RECOMMENDS ALL HOLES BE CUT INTO THE BOTTOM OF THE ENCLOSURE, SO THE ENTIRE UNIT CAN ACT AS A RAIN/SNOW/MOISTURE SHIELD. INSTALLERS OR END-USERS MAY TEST THEIR MODIFICATIONS IN THE FIELD WITH THE PROLONGED DIRECT WATER SPRAY METHOD. WE RECOMMEND INSTALLERS OR END-USERS PERFORM INSPECTIONS OF ALL MODIFICATIONS OVER TIME TO MAKE CERTAIN THEIR MODIFICATIONS CONTINUE TO MEET THE REQUIRED NEMA CRITERIA.

- MIER'S UL RECOGNIZED ENCLOSURE HEATERS WITH THERMOSTATS MAY BE ADDED INSIDE MIER'S NEMA 4, NEMA 4X OR NEMA 6/6P ENCLOSURES AND KEEP COMPONENTS WARM IN COLDER CLIMATES, AND RETAIN THE NEMA RATING
- MIER'S UL LISTED AND NEMA 4 THERMOSTATICALLY CONTROLLED AIR-CONDITIONERS ARE ADDED TO MIER'S ACE AND ACHT SERIES ENCLOSURES AND KEEP THE NEMA RATING
- WHEN INSTALLERS USE FITTINGS OR OTHER ACCESSORIES WITH AN OUTDOOR ENCLOSURE, THE ENTIRE ENCLOSURE DROPS TO THE LOWEST RATING OF THE FITTING OR ACCESSORY.

DO NOT MOUNT ENCLOSURES EQUIPPED WITH AIR-CONDITIONERS ON WALLS OF APARTMENTS, OFFICES, CONDOS OR HOMES DUE TO SLIGHT VIBRATION FROM THE AC.

NOTES ON MAINTENANCE OF NEMA RATED ENCLOSURES: ENCLOSURES WITH FILTERS FOR AIR-CONDITIONERS, FANS, OR VENTS SHOULD BE PROPERLY MAINTAINED AND CLEANED PER THE MANUFACTURER'S GUIDELINES. ENCLOSURES WITH GASKETS SHOULD BE PERIODICALLY INSPECTED TO MAKE CERTAIN THE GASKETS REMAIN IN GOOD CONDITION AND CONTINUE TO SEAL.

① TEMPERATURE CONTROLLED OUTDOOR ENCLOSURE DETAIL  
Scale: 1" = 1'-0"



Landscape  
Architecture



Lower Hill-Curtain Call  
Pittsburgh, PA

Project Number:  
21020:1  
Drawn by:  
BR  
Checked by:  
-  
Date:  
March 31st, 2023

Revisions:

Scale:  
NTS

Sheet Name:  
AUDIOVISUAL DETAILS

Submission:  
100% Construction Documents

Sheet Number:

**TA-601**

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**GENERAL NOTES**

**1.0 DESIGN CRITERIA**

- 1.1 Design Codes:
  - a. IBC 2018
  - b. ANSI/ASCE-7 2016
- 1.2 Live Loads:
  - a. Lateral Live load 5 psf
- 1.3 Snow Load: Not applicable for this configuration.
- 1.4 Wind Load:
  - a. Wind Risk Category II
  - b. Basic wind speed (3 sec. gust) 110 mph
  - c. Wind Exposure category B
  - d. Components & Cladding per ASCE-7 16 psf min.

**2.0 STRUCTURAL STEEL**

- 2.1 Structural steel work shall be in accordance with the AISC "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings" (ASD - 15th Edition) and the "Code of Standard Practice for Steel Buildings and Bridges".
- 2.2 Structural steel shall conform to the following:
  - a. Channels, angles, plates and miscellaneous connection material: ASTM A36 with a minimum yield strength of 36,000 psi, u.n.o.
  - b. Steel Tubing: ASTM A500, Grade B, with a minimum yield strength of 46,000 psi for square and rectangular and 42,000 psi for round.
  - c. Steel sheet and miscellaneous connection material: Type 316 Stainless Steel alloy with a minimum yield strength of 42,000 psi, u.n.o.]
- 2.3 Anchor bolts shall be Type 316 Stainless Steel, u.n.o.
- 2.4 Structural Steel Fabricator shall provide for vertical and horizontal field adjustment of support assemblies.
- 2.5 The Structural Steel Fabricator, and/or General Contractor, shall verify existing dimensions and conditions at the site. Any discrepancy found shall be reported to the Architect prior to preparation of shop drawings. Shop drawings shall include field measurements and conditions.
- 2.6 Cuts, holes, coping, etc. shall be shown on the shop drawings and made in the shop.

**3.0 STRUCTURAL STEEL CONNECTIONS**

- 3.1 All steel details and connections shall be in accordance with the requirements of "Specification for Structural Steel Building" and "Code of Standard Practice for Steel Buildings and Bridges" (ASD - 15th Edition).
- 3.2 For connection design and detailing, set connection work point at intersection of member centerlines, u.n.o.
- 3.3 Welding shall be in accordance with the "Structural Welding Code ANSI/AWS D1.1", American Welding Society, latest edition. Use E70XX electrodes.
- 3.4 Field welded surfaces shall be cleaned, ground smooth, and coated with appropriate primer/paint as specified.

**4.0 POST INSTALLED ANCHORS**

- 4.1 Post installed anchors shall be used only where specified on structural drawings.
- 4.2 The installation of post installed anchors for missing or misplaced cast in place anchors shall be approved by the engineer of record (EOR).
- 4.3 Anchors shall be installed in strict accordance with manufacturer's printed installation instructions in conjunction with edge distance, spacing and embedment depths as indicated on the drawings.
- 4.4 The contractor shall arrange for a manufacturer's field representative to provide installation training for all products to be used, prior to the commencement of work. Only trained installers shall perform post installed anchor installation. A record of training shall be kept on site and be made available to the EOR/IOB as requested.
- 4.5 Concrete adhesive anchors must be installed in concrete aged a minimum of 21 days (ACI 318-11 D.2.2).

**5.0 SPECIAL INSPECTIONS FOR KSS SCOPE**

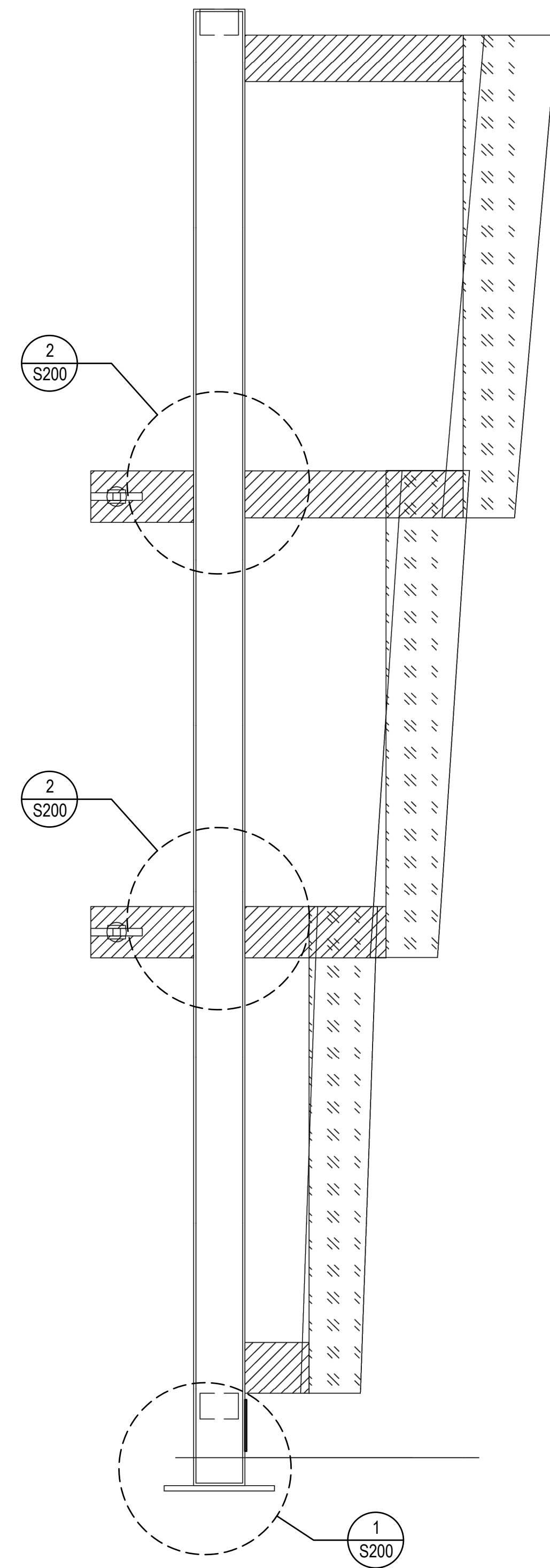
- 5.1 INSPECTION AGENCY:
  - a. Inspection agency or individual shall be retained by the owner or contractor to conduct the inspections and testing outlined below and as defined in Chapter 17 of the International Building Code
  - b. Special Inspectors shall keep records of all inspections and tests and submit records to the Architect.

**STRUCTURAL STEEL**

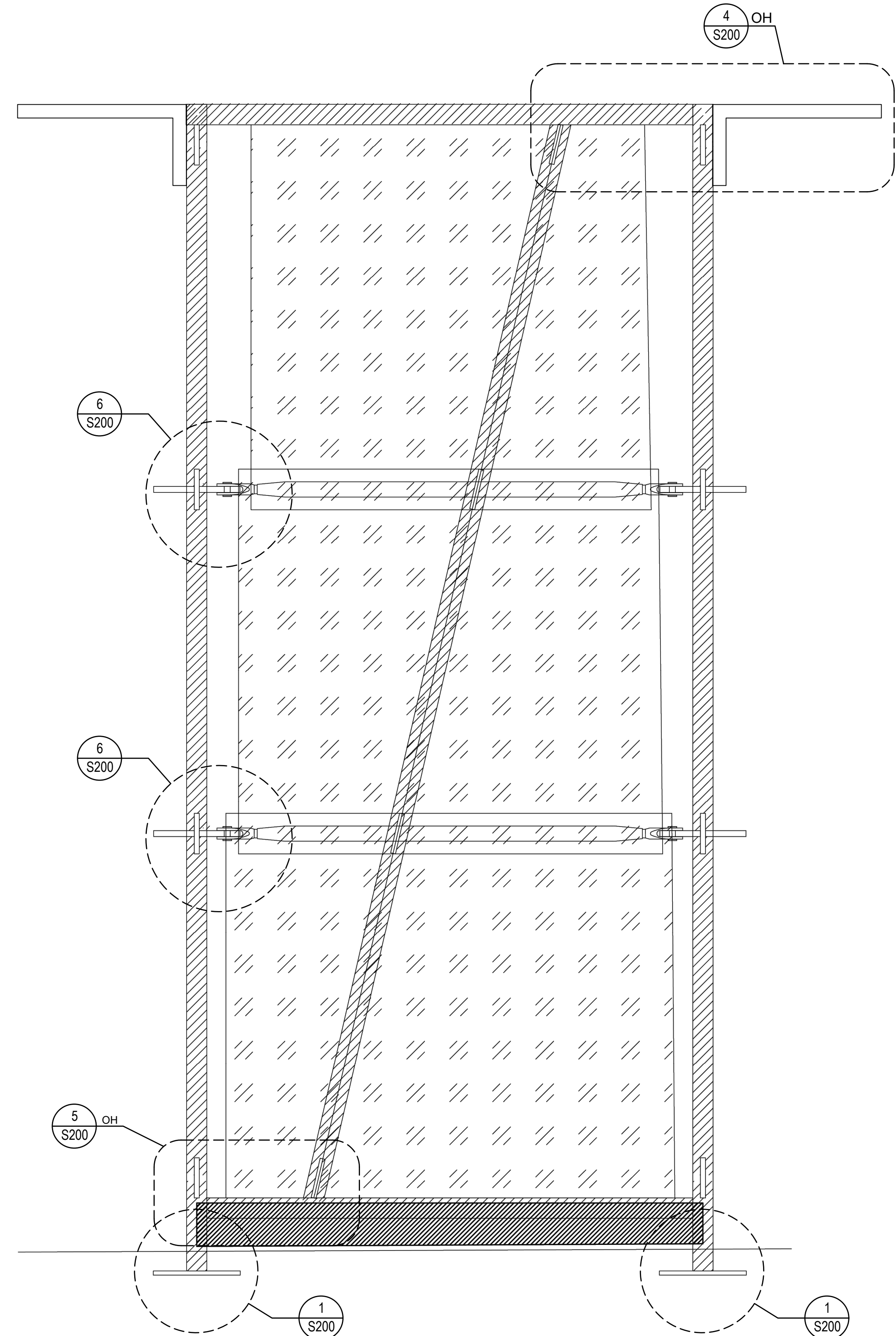
- Material Certificates of Compliance Periodic
- Welding - Fillet welds < 5/16" Periodic
- Inspection of steel frame connections Periodic

**ANCHOR BOLTS**

- Anchor bolt placement Periodic
- Post-installed anchors Periodic



**CURTAIN CALL - TYPICAL UNIT SECTION**  
SCALE: 3/4"=1'-0"



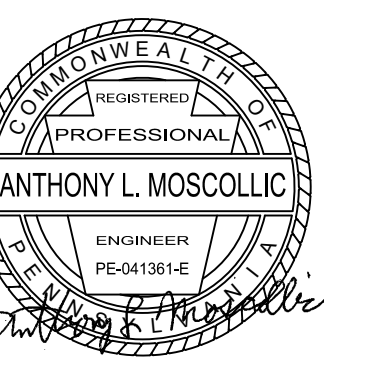
**CURTAIN CALL - TYPICAL UNIT ELEVATION**  
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Landscape Architecture



Lower Hill-Curtain Call  
Pittsburgh, PA



Project Number: 21020:1  
 Drawn by: SPG | JLM  
 Checked by: SPG  
 Date: March 31st, 2023

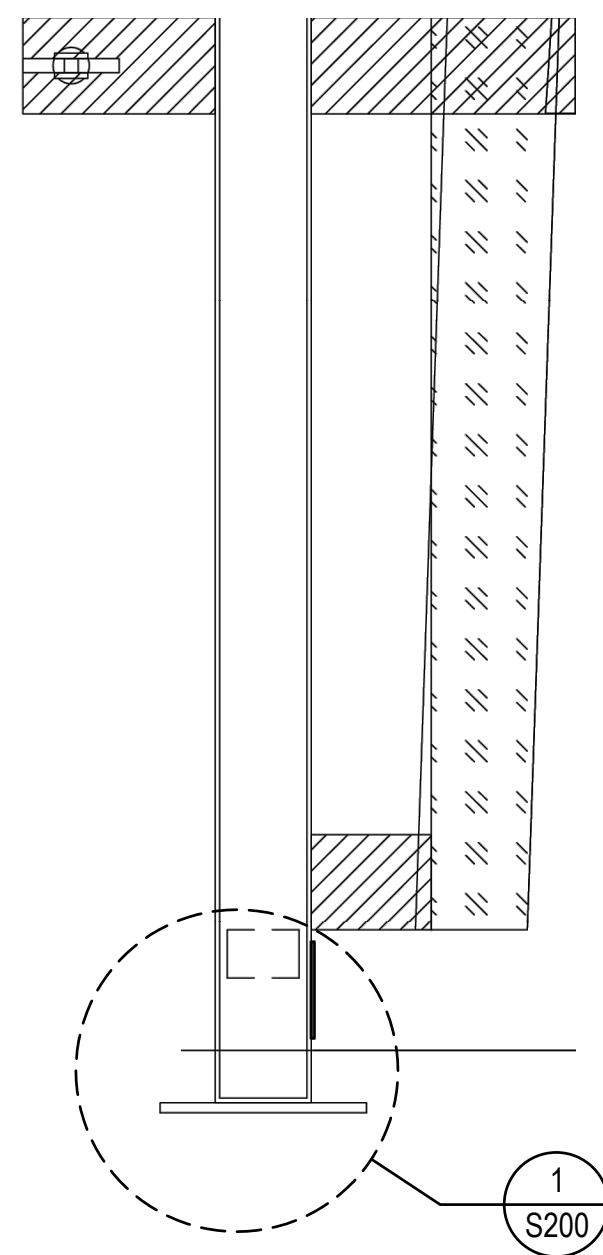
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 Sheet Name:  
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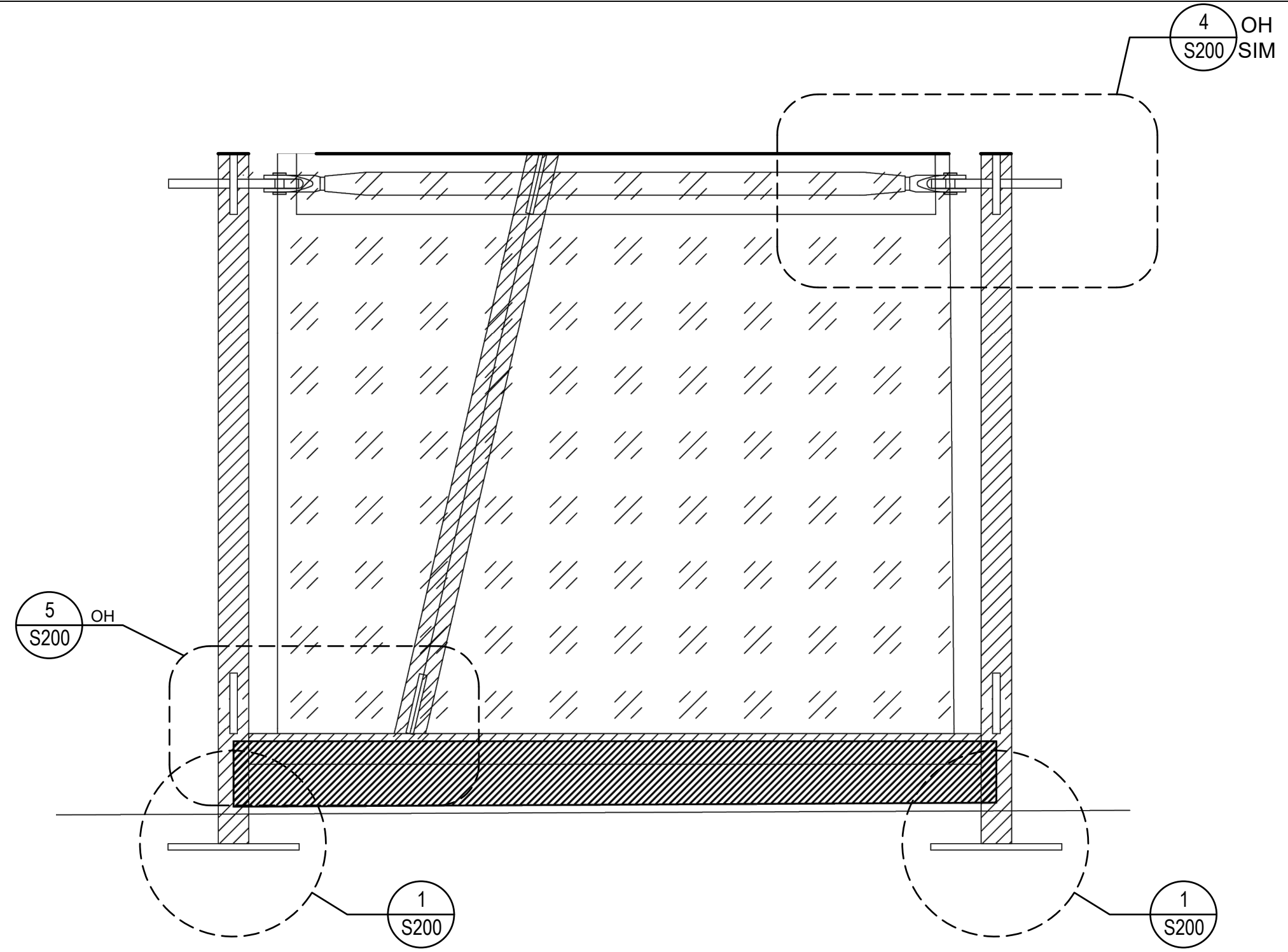
Submission:  
 100% Construction Documents

Sheet Number:  
**S100**

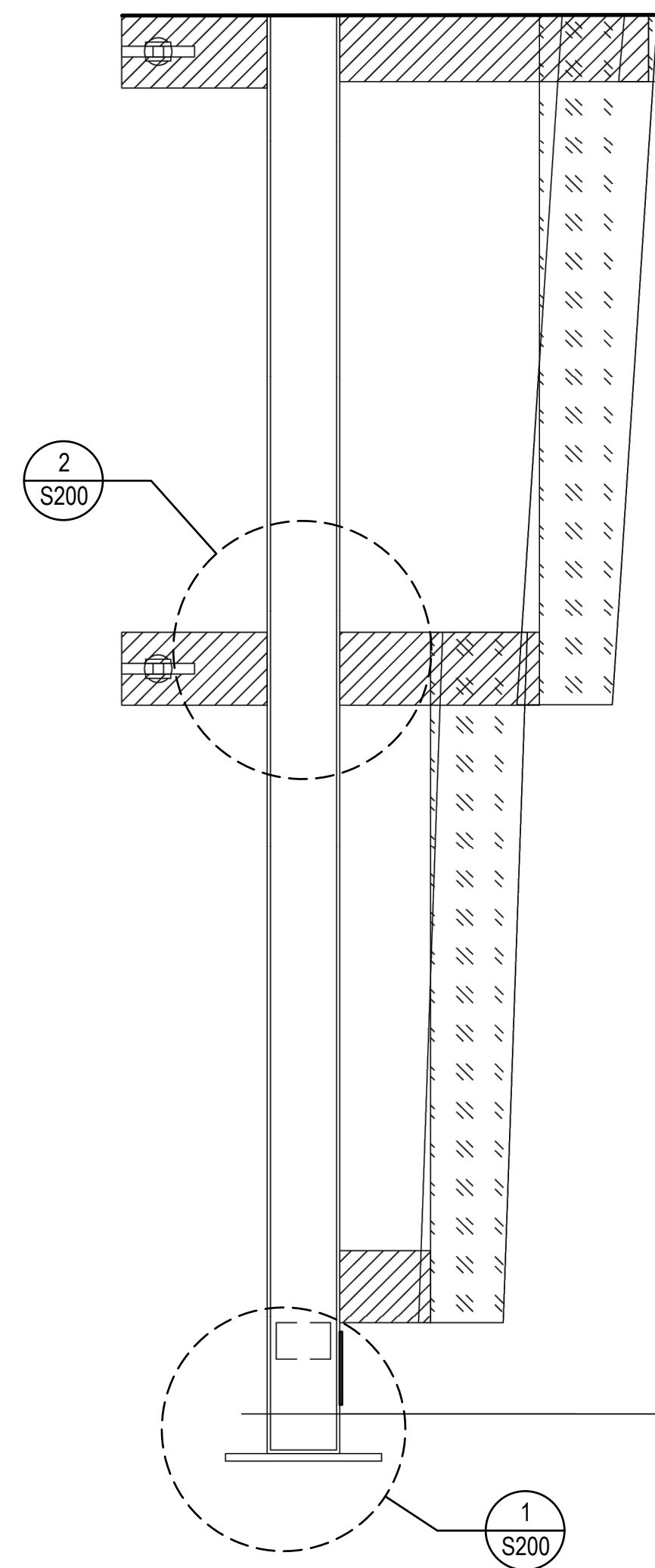
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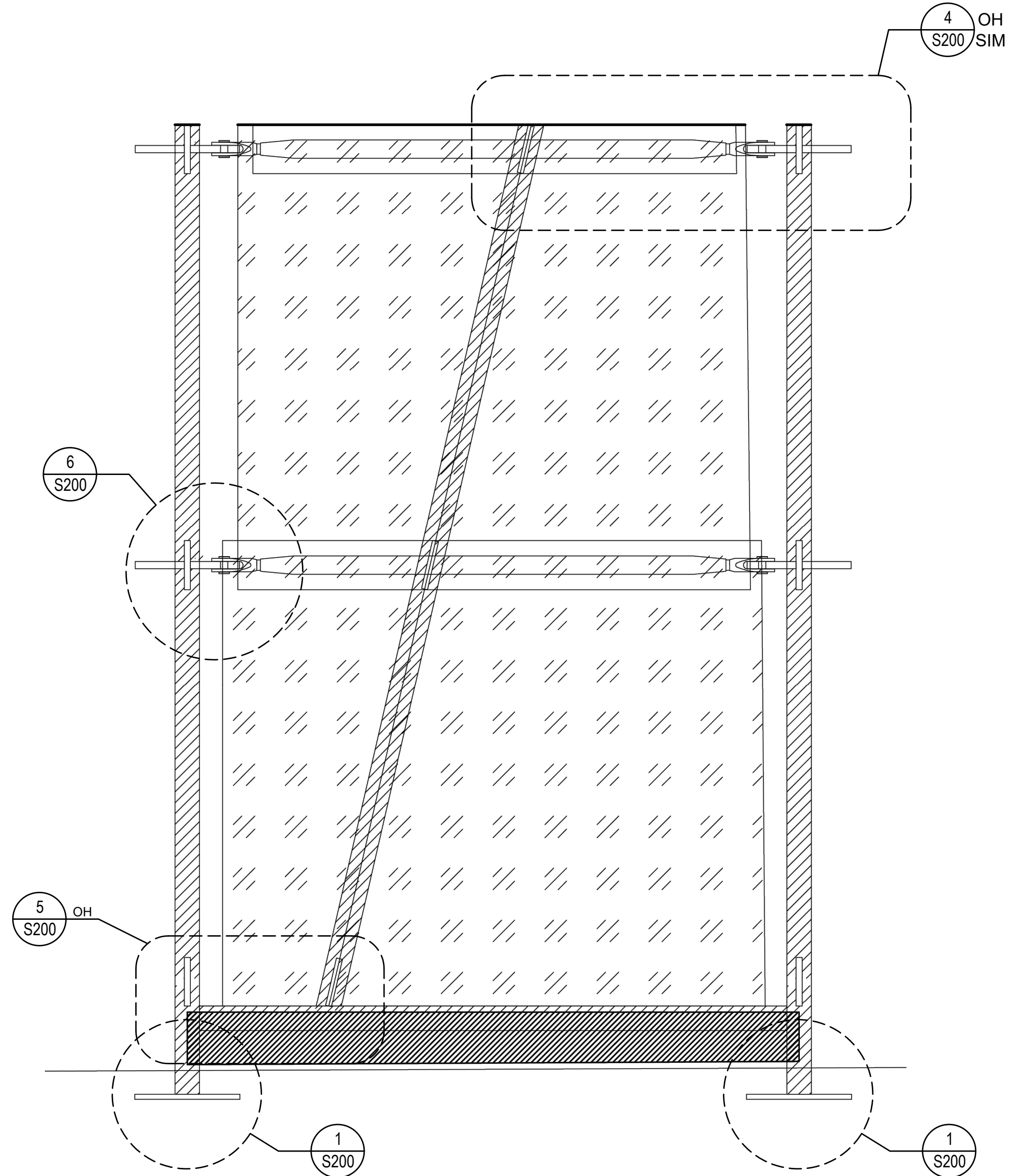
CURTAIN CALL - TYPICAL UNIT SECTION  
SCALE: 3/4"=1'-0"



CURTAIN CALL - TYPICAL UNIT ELEVATION  
SCALE: 3/4"=1'-0"



CURTAIN CALL - TYPICAL UNIT SECTION  
SCALE: 3/4"=1'-0"



CURTAIN CALL - TYPICAL UNIT ELEVATION  
SCALE: 3/4"=1'-0"



Landscape  
Architecture



Lower Hill-Curtain Call  
Pittsburgh, PA



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Revisions:

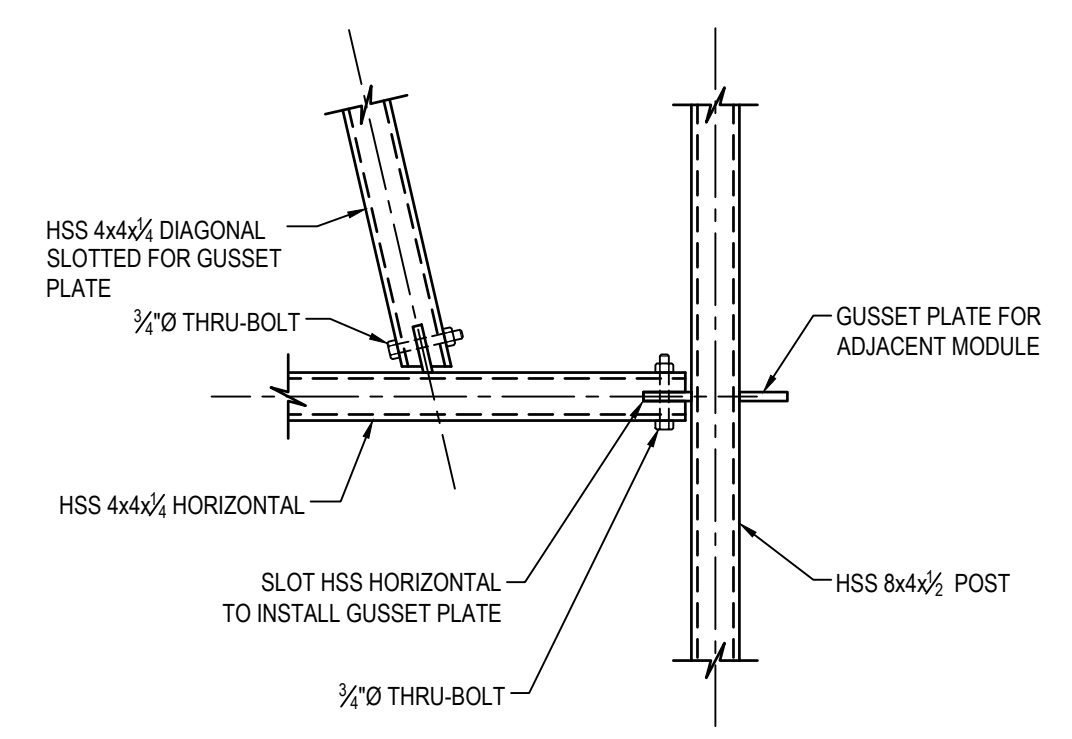
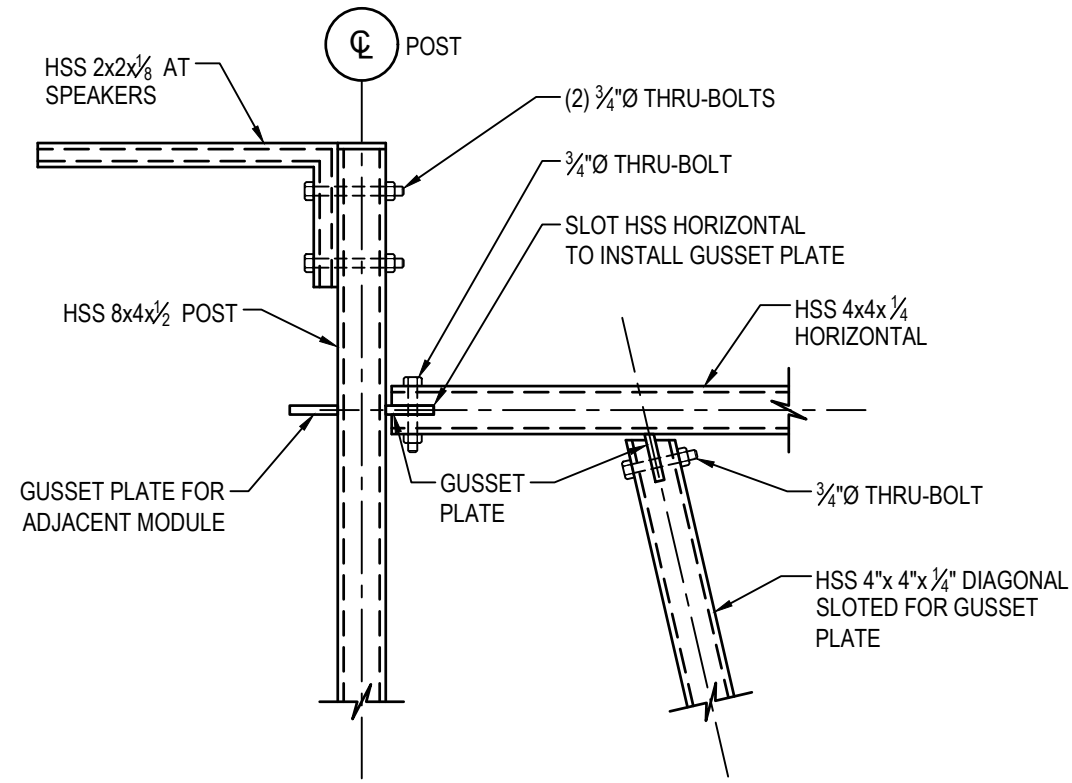
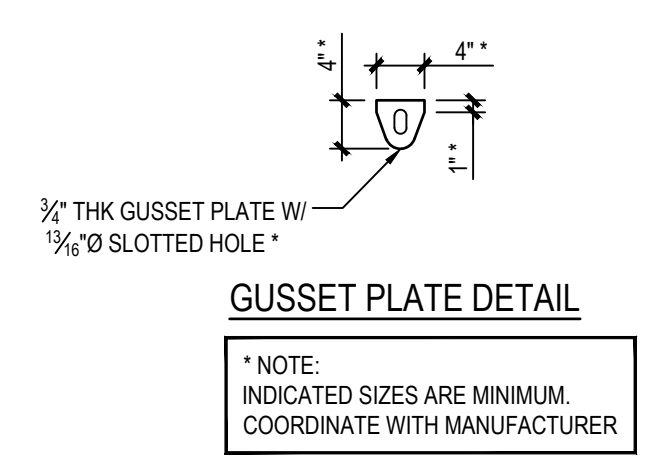
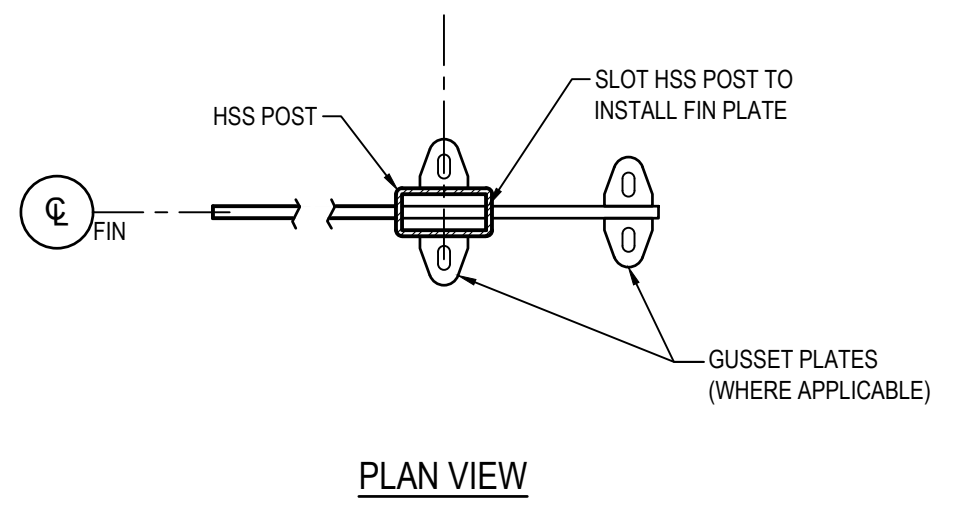
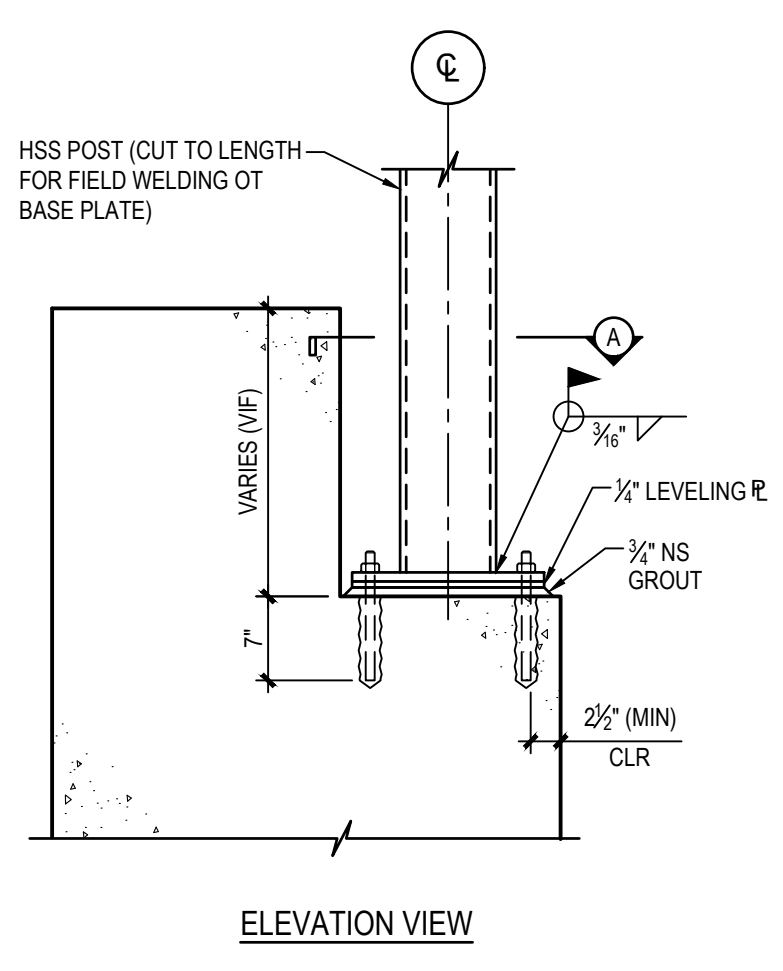
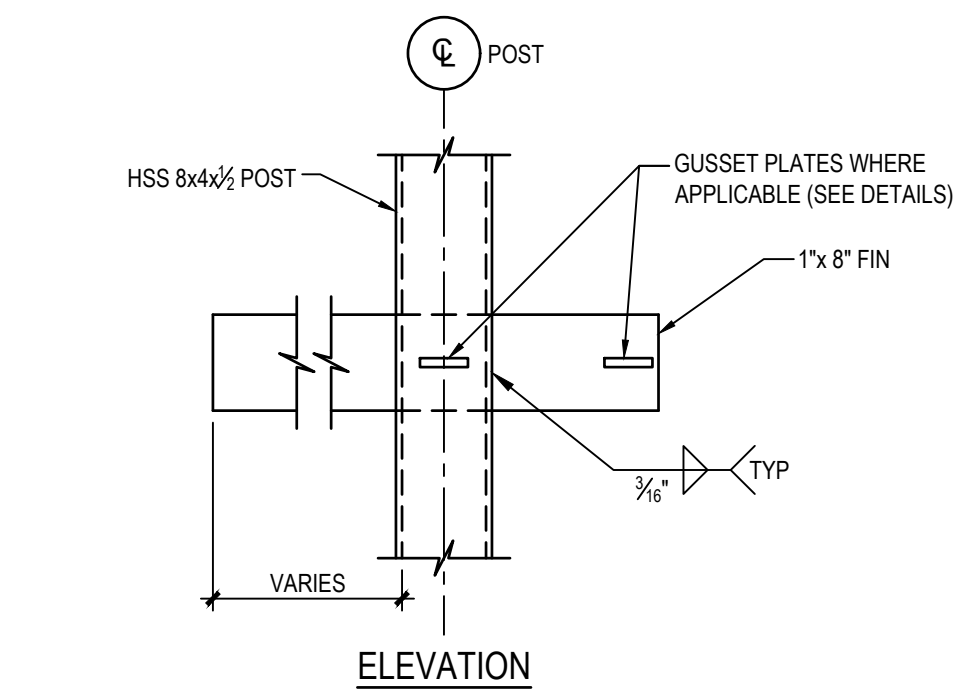
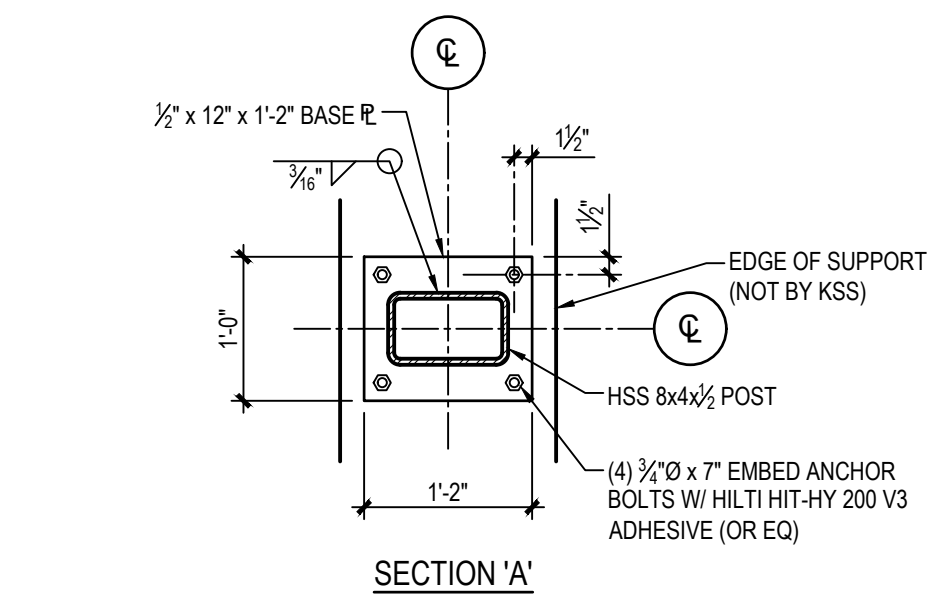
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Curtain Call - Structure Overview

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100% Construction Documents

Sheet Number:  
**S101**

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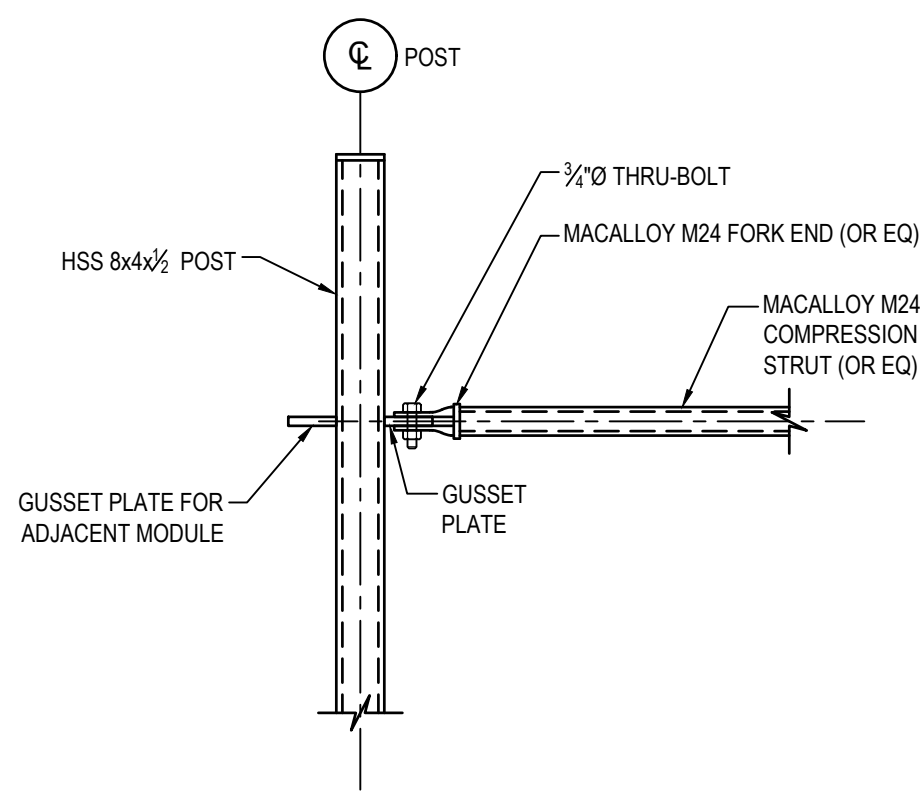
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**SECTION**  
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**SECTION**  
SCALE: 3/4"=1'-0" (5) S100



**SECTION**  
SCALE: 3/4"=1'-0" (6) S100



Project Number:  
21020:1  
Drawn by:  
SPG | JLM  
Checked by:  
SPG  
Date:  
March 31st, 2023

Revisions:

Scale:

Sheet Name:  
Curtain Call - Structure Details

Submission:  
100% Construction Documents

Sheet Number:  
**S200**