

CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PORTLAND, MAINE



VOLUME 1:
CIVIL DRAWINGS
STRUCTURAL DRAWINGS

VOLUME 2:
ARCHITECTURAL DRAWINGS
FOOD SERVICE

VOLUME 3:
FIRE PROTECTION
PLUMBING DRAWINGS
MECHANICAL DRAWINGS
ELECTRICAL DRAWINGS

PROJECT ADDRESS:
ONE CIVIC CENTER SQUARE
PORTLAND, ME 04101

CONSTRUCTION DOCUMENTS

01-21-13

Signature	Date
Owner: _____	_____
Architect: _____	_____
Contractor: _____	_____

REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	NW ENTRY F.S.E CON. DOCS	08-23-2012
0	CONSTRUCTION DOCS	07-27-2012



SHEET No.
G0.01

COMM No.
3757.00

WBRC
ARCHITECTS • ENGINEERS

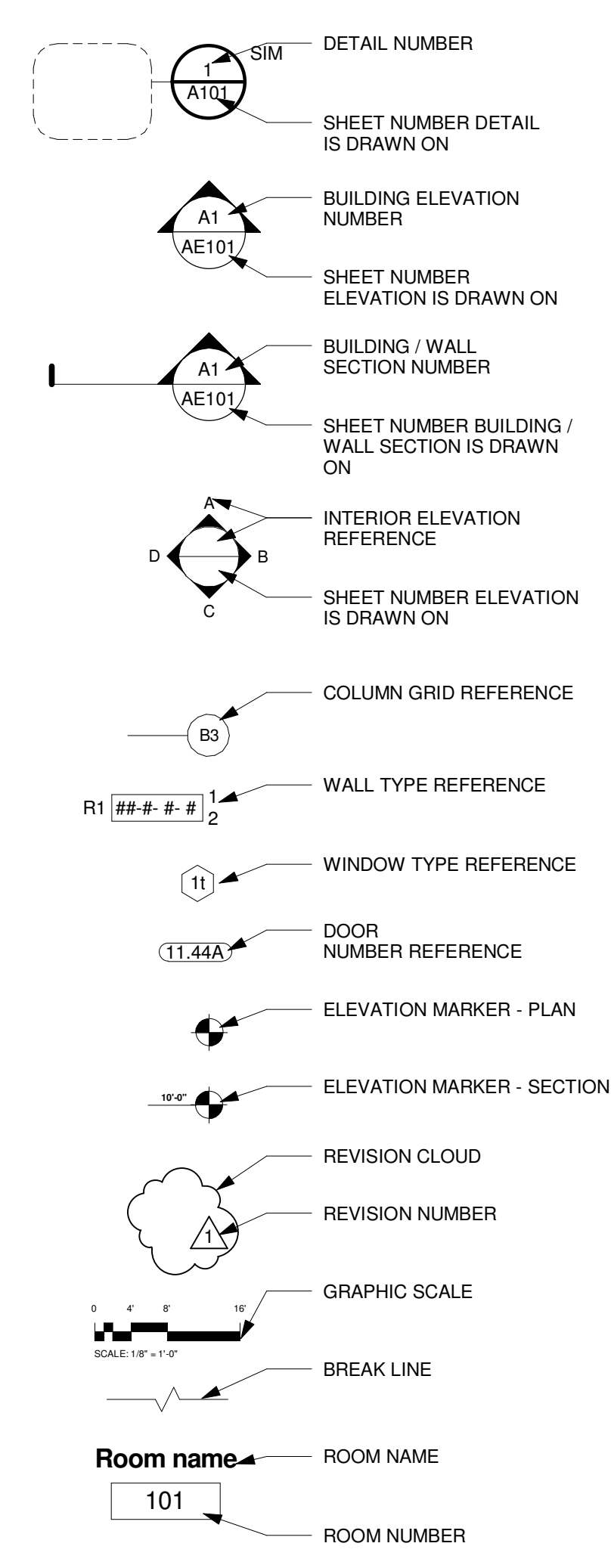
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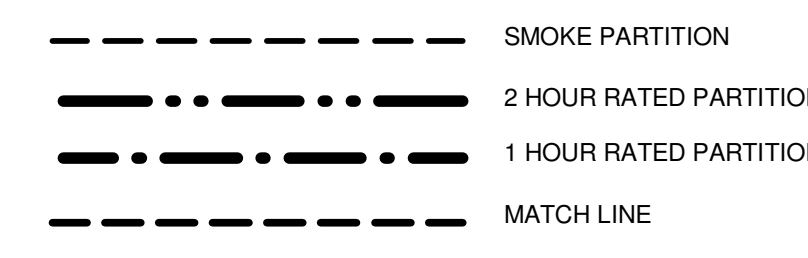
CIANBRO

AB ANCHOR BOLT, AUGER BORING	GA GAUGE	QT QUARRY TILE
ABI ALTERNATE BID ITEM	GALV GALVANIZED	R RADIUS, RISER
AC ACOUSTIC AIR CONDITIONING, ASPHALTIC CONCRETE	GC GENERAL CONTRACTOR	ROP REFLECTED CEILING PLAN
AD ACCESS DOOR	GF/GI GOVT. FURNISHED/GOVT. INSTALLED	RD ROOF DRAIN, ROAD
ADD ALTERNATIVE ALTERNATE	GI GALVANIZED IRON	RECEP RECEPTACLE
ADJ ADJUSTABLE	GOV/T GOVERNMENT	REF REFRIGERATOR
AFF ABOVE FINISH FLOOR	GPM GALLONS PER MINUTE	REINF REINFORCEMENT
AHU AIR HANDLING UNIT	GR GRADE	REQD REQUIRED
ALT ALTERNATE	GRAN GRANULAR	REV REVISION
ALUM ALUMINUM	GRD GROUND	RF RESINOUS FLOOR
ANOD ANODIZE	GWB GYPSUM WALLBOARD	RL RAIN LEADER
AP ACCESS PANEL	GYP GYPSUM	RM ROOM
APC ACOUSTIC PANEL CEILING	HGT HEIGHT	RO ROUGH OPENING
APPROX APPROXIMATE	HAV HEATING AND VENTILATING	RS RESILIENT STAIR ACCESSORY
ARCH ARCHITECTURAL	HB HOSE BIB	RT RUBBER TILE
ASB ASBESTOS	HC HANDICAPPED	
ASPH ASPHALT	HDW HARDWARE	
AUTO AUTOMATIC	HWOD HARDWOOD	
AWP ACOUSTIC WALL PANEL	HM HOLLOW METAL	
	HWAC HOLLOW CORE WOOD DOOR	
	HDC HANDICAPPED	
BDRM BEDROOM	HWAC HOLLOW CORE WOOD DOOR	
BIT CONC BITUMINOUS CONCRETE	IN INSIDE DIAMETER	
BJ BAR JOIST	INCL INCLUSIVE	
BLDG BUILDING	INFO INFORMATION	
BLK BLOCK	INSU INSULATION, INSULATED	
BM BEAM, BENCHMARK	INT INTERIOR	
BOT BOTTOM	IWP IMPACT RESISTANT WALL PROTECTION	
BRD BOARD		
BRG BEARING	JAN JANITOR CLOSET	
BS BOTTOM OF STEP	JCT JUNCTION	
BSMT BASEMENT		
BTWN BETWEEN		
BW BOTTOM OF WALL		
CAB CABINET		
CAP CAPACITY		
CC CENTER TO CENTER		
CEM CEMENT		
CFM CUBIC FEET PER MINUTE		
CFS CUBIC FEET PER SECOND		
CG CORNER GUARD		
CI CAST IRON		
CIR CIRCULATING		
CJ CONSTRUCTION JOINT, CONTROL JOINT		
CLG CEILING		
CLO CLOSET		
CLR CLEAR		
CL CENTERLINE		
CMU CONCRETE MASONRY UNITS		
CMU G1 GLAZED CMU, ONE SIDE		
CMU G2 GLAZED CMU, TWO SIDES		
COL COLUMN		
COMP COMPARTMENT		
CONC CONCRETE		
CONN CONNECTION		
CONST CONSTRUCTION		
CONT CONTINUOUS		
CPT CARPET		
CS/CI CONTRACTOR SUPPLIED/ CONTRACTOR INSTALLED		
CS/OI CONTRACTOR SUPPLIED/OWNER INSTALLED		
CSK COUNTER SINK		
CT CERAMIC TILE		
CTE CONNECT TO EXISTING		
CTR CENTER		
CUH CABINET UNIT HEATER		
Ø DIAMETER		
DF DRINKING FOUNTAIN		
DFD DOOR FRAME DIMENSION		
DH DOUBLE HUNG		
DIA DIAMETER		
DIM DIMENSION		
DN DOWN		
DTL DETAIL		
DWG DRAWING		
E EAST		
EA EACH		
EL ELEV ELEVATION		
ELEC ELECTRIC		
EMERG EMERGENCY		
EPS EXTRUDED POLYSTYRENE		
EQ EQUAL		
EQUIP EQUIPMENT		
ETC ETCETERA		
EW EACH WAY		
EXIST EXISTING		
EXP EXPANSION, EXPOSED		
EXP JT EXPANSION JOINT		
EXT EXTERIOR		
FBO FURNISHED BY OTHERS		
FCO FLOOR CLEAN-OUT		
FD FLOOR DRAIN, FOOTING DRAIN		
FE FIRE EXTINGUISHER		
FF FINISH FLOOR		
FFE FINISHED FLOOR ELEVATION		
FG FINISH GRADE, FIBERGLASS		
FHC FIRE HOSE CABINET		
FIG FIGURE		
FIN FINISH		
FO FUEL OIL		
FOF FACE OF FOUNDATION		
FOR FUEL OIL RETURN		
FOU FOUNDATION		
FP FIREPROOF		
FR FRAME, FIRE RESISTANT		
FS FLOOR SINK		
FT FOOT, FEET, FINNED TUBE		
FTG FOOTING		
FWP FABRIC WALL PANEL		
FURNISHED BY OTHERS		
FLOOR CLEAN-OUT		
FLOOR DRAIN, FOOTING DRAIN		
FIRE EXTINGUISHER		
FINISH FLOOR		
FINISHED FLOOR ELEVATION		
FINISH GRADE, FIBERGLASS		
FIRE HOSE CABINET		
FIGURE		
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FUEL OIL		
FACE OF FOUNDATION		
FUEL OIL RETURN		
FOUNDATION		
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FRAME, FIRE RESISTANT		
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FABRIC WALL PANEL		

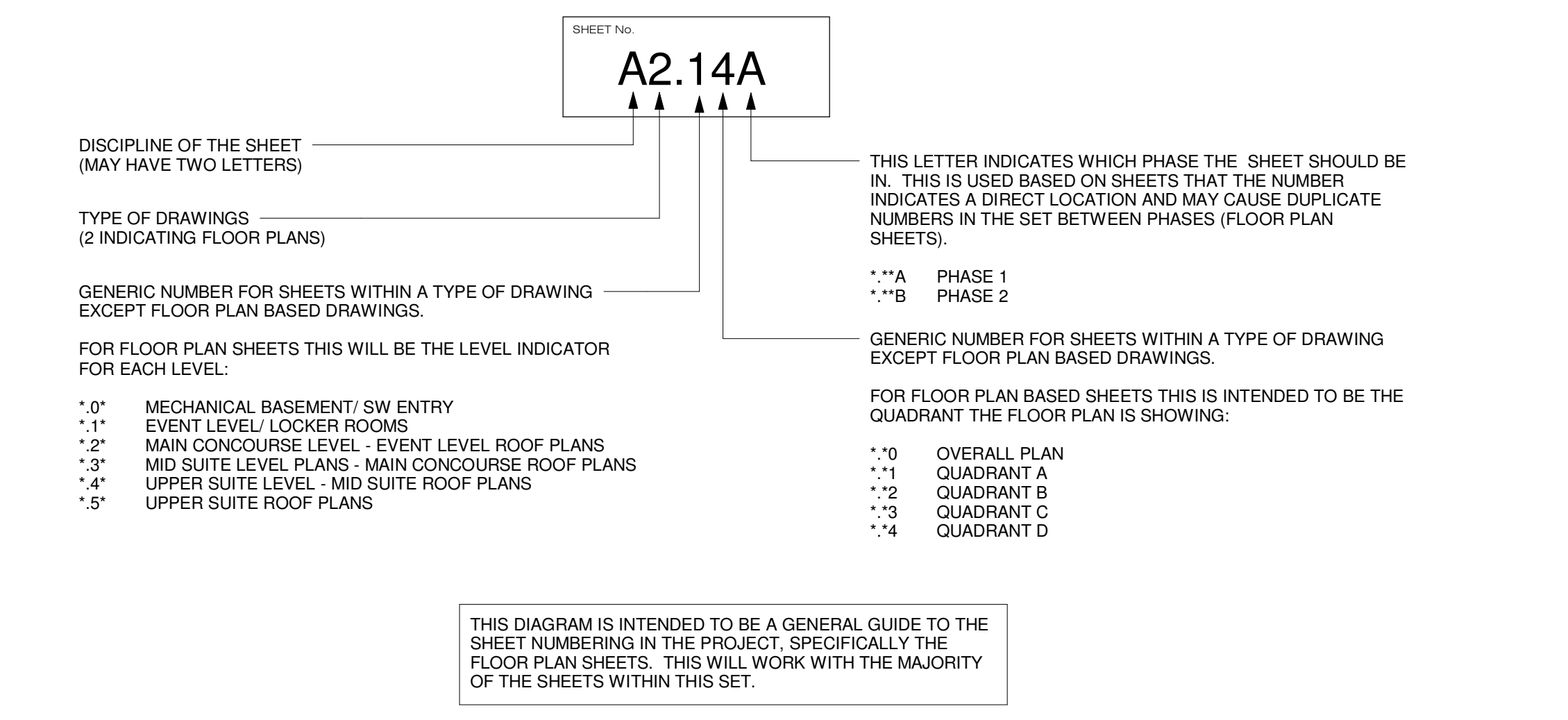
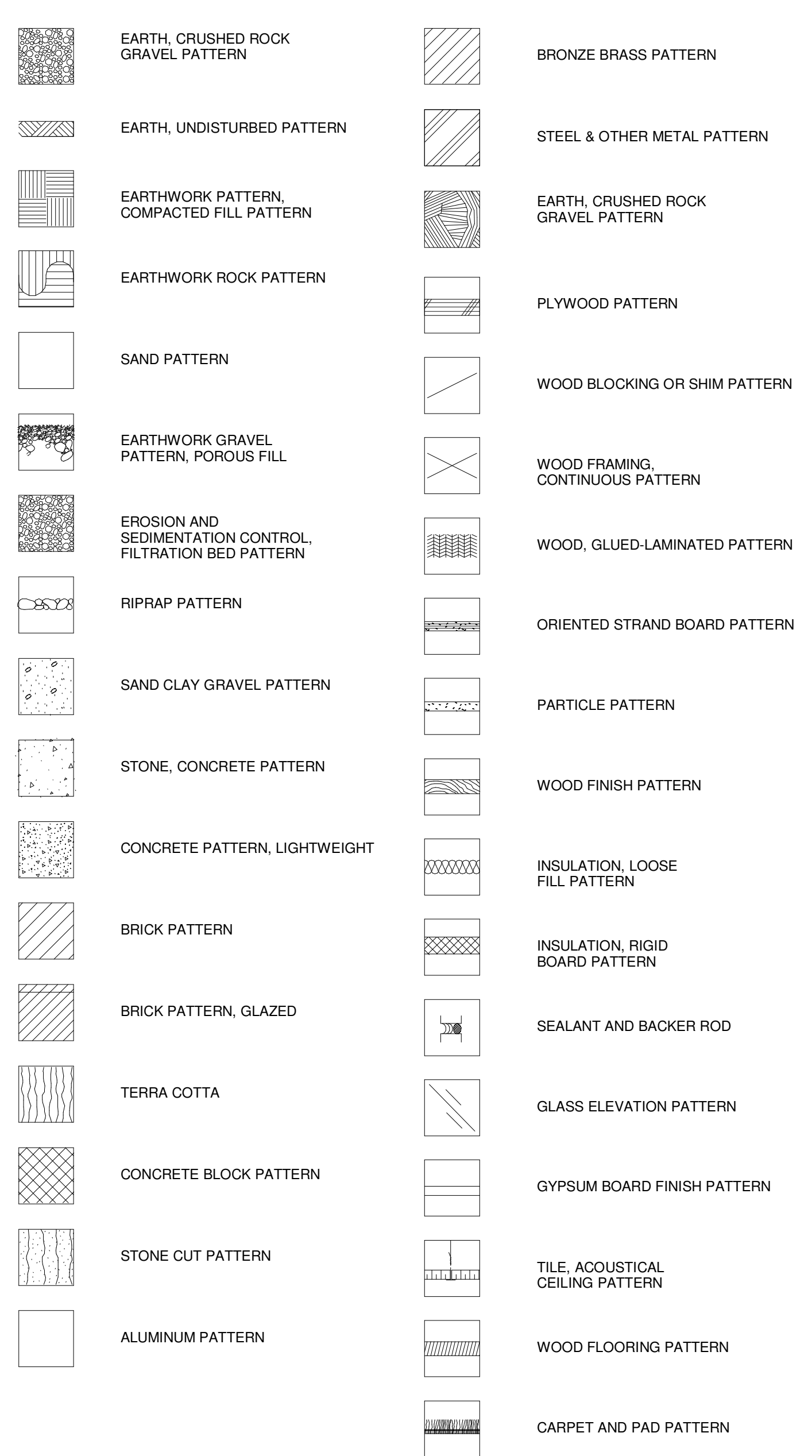
SYMBOLS



LINETYPES



HATCH PATTERNS

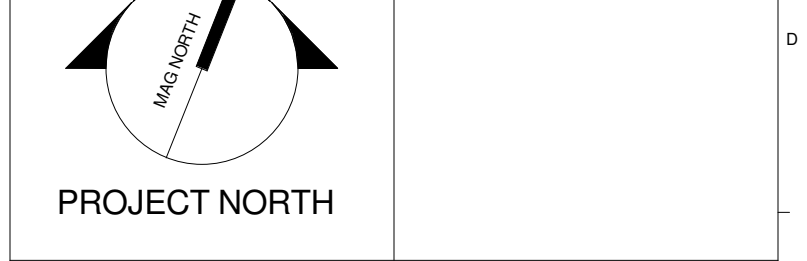


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REV. DESCRIPTION DATE

CONSTRUCTION DOCUMENTS

01-21-13
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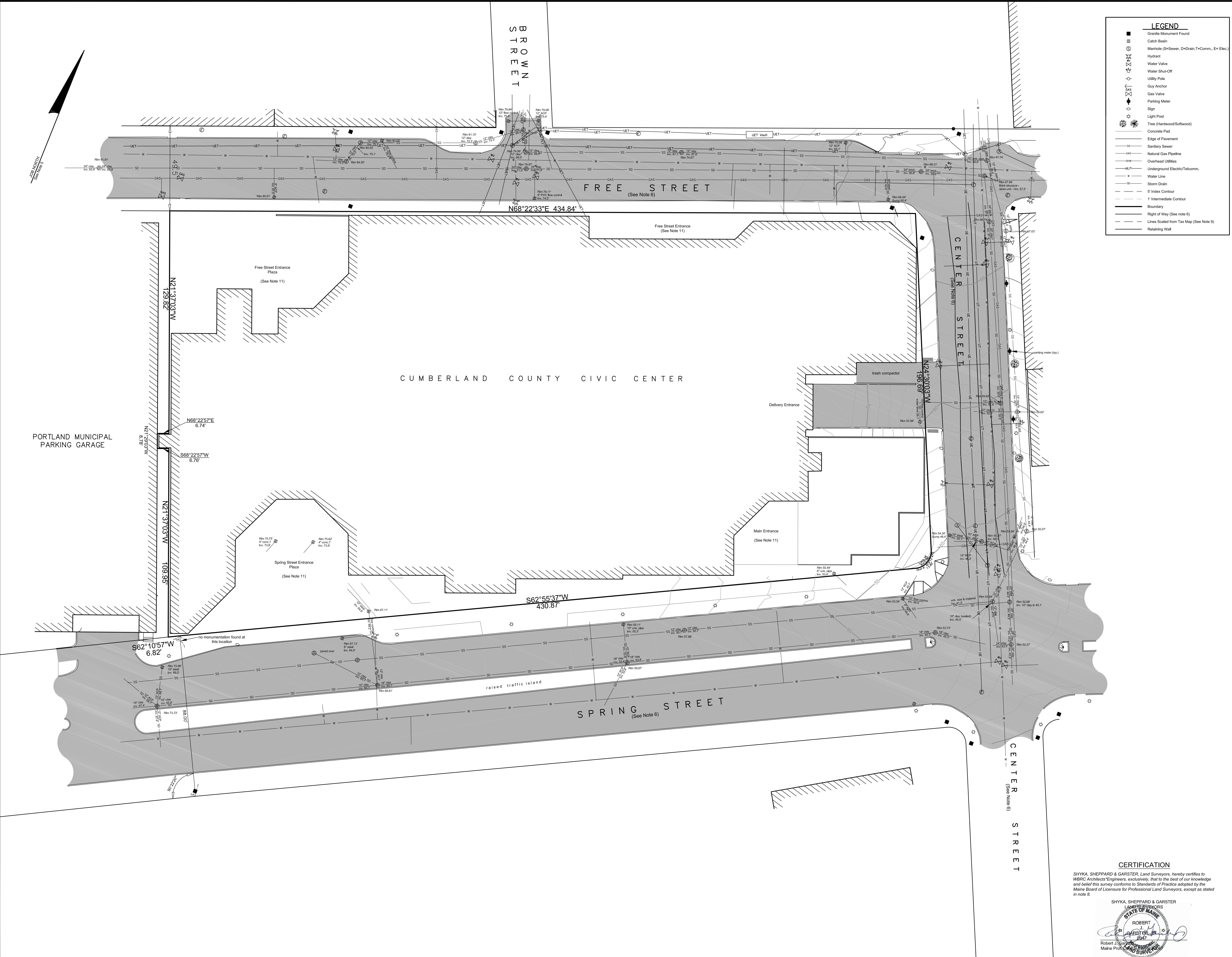


CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

SYMBOLS AND ABBREVIATIONS

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SCALE:	As indicated
PROJECT MANAGER:	JRB
DRAWN BY:	RAD
CHECKED BY:	MEJ
SHEET No.	G0.03

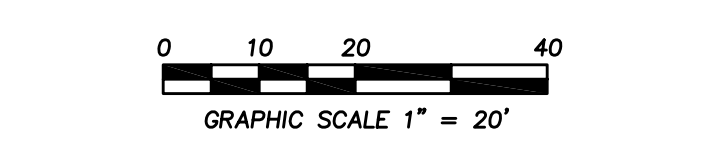


LEGEND

- Granite Monument Found
- ⊕ Catch Basin
- ⊖ Manhole (S=Sewer, D=Drain, T=Comm., E= Elec.)
- ⊙ Hydrant
- ⊙ Water Valve
- ⊙ Water Shut-Off
- ⊙ Utility Pole
- ⊙ Guy Anchor
- ⊙ Gas Valve
- ⊙ Parking Meter
- ⊙ Sign
- ⊙ Light Post
- ⊙ Tree (Hardwood/Softwood)
- ▭ Concrete Pad
- ▭ Edge of Pavement
- Sanitary Sewer
- Natural Gas Pipeline
- Overhead Utilities
- Underground Electric/Telcomm.
- Water Line
- Storm Drain
- 5' Index Contour
- 1' Intermediate Contour
- Boundary
- Right of Way (See Note 6)
- Lines Scaled from Tax Map (See Note 9)
- Retaining Wall

- Notes:**
- Title Reference:**
Cumberland County Registry of Deeds, Book 3634, Page 82.
 - Plan Reference:**
A. "Cumberland County Recreation Center," dated Sept. 18, 1974, provided by the City of Portland Engineering Office, Sheets X1 (Survey Plan), X2 (Site Plan) and U1 (Utility Plan).
B. The following plans were provided by the City of Portland Engineering Office:
1. "Spring Street", dated July 1925, Sheet 1 of 3.
2. "Free Street", dated September 1925, noted 9/26/27.
C. "As-Built Drawing, Spring-Middle Arterial, General Plan Station 28+50 to 32+10," prepared by Fay, Spofford, & Thorndike, Inc., revised April 4, 1973, provided by the City of Portland Engineering Office.
D. "Portland Renewal Authority, Maine Way Me-R-28, Condominium Area IV, Parcels A & B," prepared by Owen Haskell, Inc., dated August 5, 1974, recorded in the Cumberland County Registry of Deeds, Plan Book 104, Page 20.
3. **Tax Map Information:**
City of Portland Tax Map 38, Lot 15.
4. **Area Information:**
Total Area = 2,258 acres.
5. **Basis of Bearings:**
Bearings shown on this plan refer to Job North, based on the plans shown in Note 2A.
6. **Road Information:**
Spring Street Arterial: The location for Spring Street is based on the plans in Note 2, and on granite monuments found. Spring Street is 84 feet wide as shown in the plan in Note 2B1.
Center Street: The location for Center Street is based on the plans in Note 2, and on granite monuments found. The width of Center Street is 60 feet wide as shown in the plan in Note 2.
Free Street: The location for Free Street is based on the plans in Note 2, and on granite monuments found. Free Street is 49.5 feet wide as shown in the plan in Note 2B2.
7. **Utility Information:**
The location shown on this plan for above and underground utilities, including water, electricity, telephone, sewer, and storm drains are approximate and should be verified before any excavation. Federal and State Laws require anyone performing any sort of excavation, including digging, boring, backfilling or grading to notify "DIG SAFE", (1-888-344-7233), at least 72 hours before they begin work. The underground utilities shown have been located from field survey information and from existing drawings. Shyka, Sheppard, and Garster, Land Surveyors (SSG) makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. SSG further does not warrant that the underground utilities are in the exact location indicated, although SSG does certify that they are located as accurately as possible from information available. SSG has not physically located the underground utilities.
Underground utilities shown on this plan were taken from the plans in Note 2.
8. Some variations between distances and bearings shown hereon and those contained in previous deeds and plans are not noted because such variations are: insignificantly small, due to obvious scrivener's errors, or due to the basis of bearing shown. No report was prepared and monuments were not set at all corners.
9. Abutting property lines were taken from the City of Portland Tax Maps. Abutting property owner information taken from the City of Portland tax records.
10. Elevations and contours shown on this plan are based on finished floor elevations as shown on the plans in Note 2A.
11. Easements for maintenance, replacement, and repair of the plaza areas were reserved by the City of Portland in Book 3634, Page 82.
12. An easement for the installation, maintenance, and repair of three phase power was granted to Central Maine Power Company, Inc. in Book 3796, Page 159.

THIS SHEET IS FOR REFERENCE ONLY & IS NOT PART OF THE CONSTRUCTION DOCUMENTS



BOUNDARY & TOPOGRAPHIC PLAN OF
CUMBERLAND COUNTY CIVIC CENTER

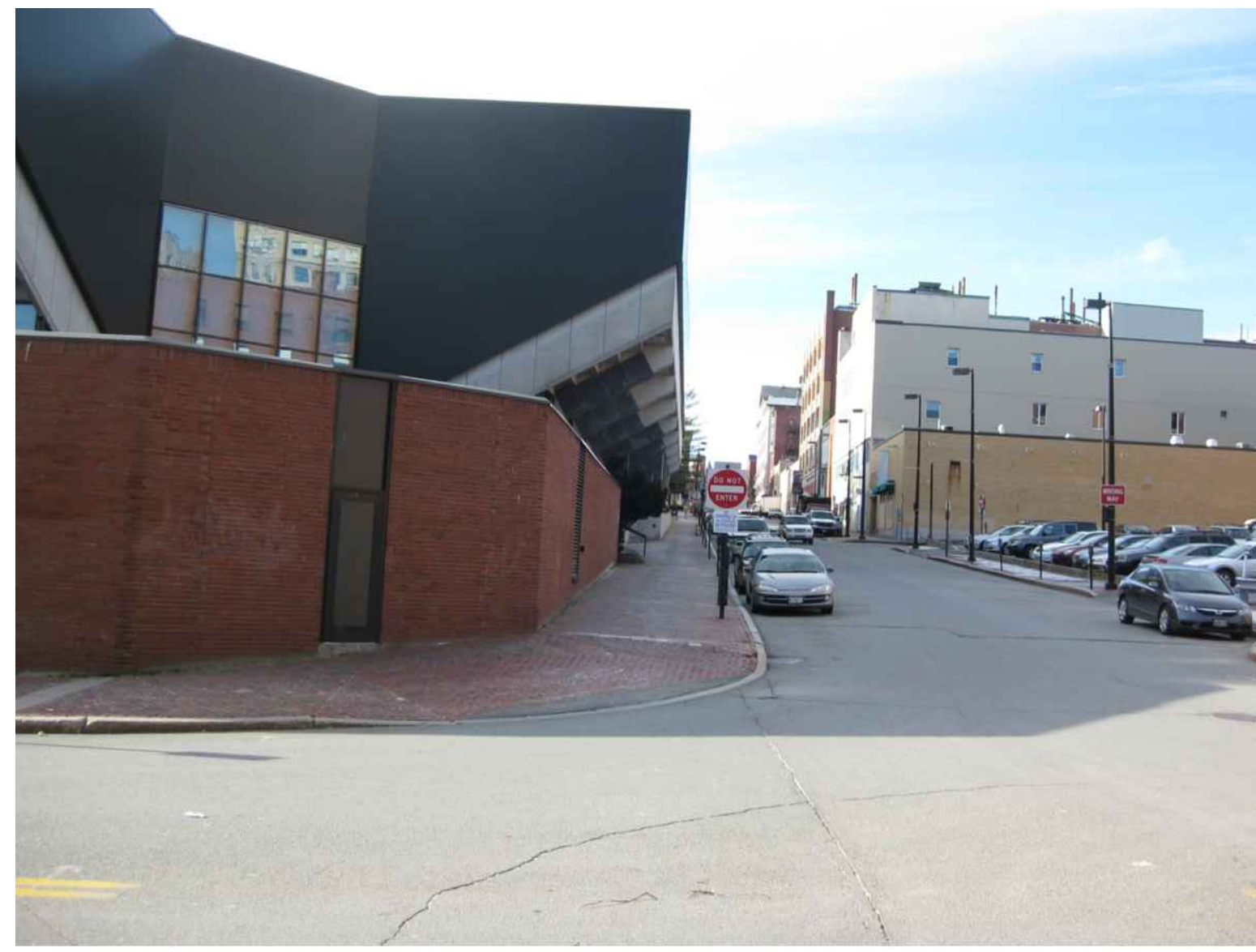
Spring Street, Portland Maine
Prepared for
WBRC Architects*Engineers
44 Central Street, Bangor, ME 04401

CERTIFICATION
SHYKA, SHEPPARD & GARSTER, Land Surveyors, hereby certifies to WBRC Architects*Engineers, exclusively, that to the best of our knowledge and belief this survey conforms to Standards of Practice adopted by the Maine Board of Licensure for Professional Land Surveyors, except as stated in note 8.

SHYKA, SHEPPARD & GARSTER
LAND SURVEYORS
STATE OF MAINE
ROBERT J. GARSTER
Robert J. Garster
Maine Professional Land Surveyor

Prepared by
SHYKA, SHEPPARD & GARSTER
LAND SURVEYORS
6 STATE ST., SUITE 301
BANGOR, MAINE 04401
TEL: (207) 942-1955

SCALE:	1" = 20'	DATE:	Feb. 13, 2012
BOOK:	CRLSN	SHEET No.:	
SSG CAD File:	12-105		1 of 1
PROJECT No.:	12-105		



N1 SITE PHOTO

NO SCALE



N5 SITE PHOTO

NO SCALE



N10 SITE PHOTO

NO SCALE



N14 SITE PHOTO

NO SCALE

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J1 SITE PHOTO

NO SCALE



J5 SITE PHOTO

NO SCALE



J10 SITE PHOTO

NO SCALE



J14 SITE PHOTO

NO SCALE



E1 SITE PHOTO

NO SCALE



E5 SITE PHOTO

NO SCALE



E10 SITE PHOTO

NO SCALE



E14 SITE PHOTO

NO SCALE

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REV.	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS 01.21.2013

CURRENT ISSUE STATUS:



A1 SITE PHOTO

NO SCALE



A5 SITE PHOTO

NO SCALE



A10 SITE PHOTO

NO SCALE



A14 SITE PHOTO

NO SCALE

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BANGOR, MAINE 207-941-4511 PORTLAND, MAINE 207-638-4511 SARASOTA, FLORIDA 941-557-9100

CUMBERLAND COUNTY CIVIC CENTER RENOVATION PROJECT PORTLAND, MAINE

CENTER STREET SITE PHOTOS

SHEET TITLE:	CENTER STREET SITE PHOTOS
WBRC CAD FILE:	3757.D0
PROJECT NO.:	3757.00
SCALE:	NO SCALE
PROJECT MANAGER:	MEJ
DRAWN BY:	CHP
CHECKED BY:	ARB
SHEET NO.:	GR901

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N5 SITE PHOTO

NO SCALE



N10 SITE PHOTO

NO SCALE



N14 SITE PHOTO

NO SCALE



J1 SITE PHOTO

NO SCALE



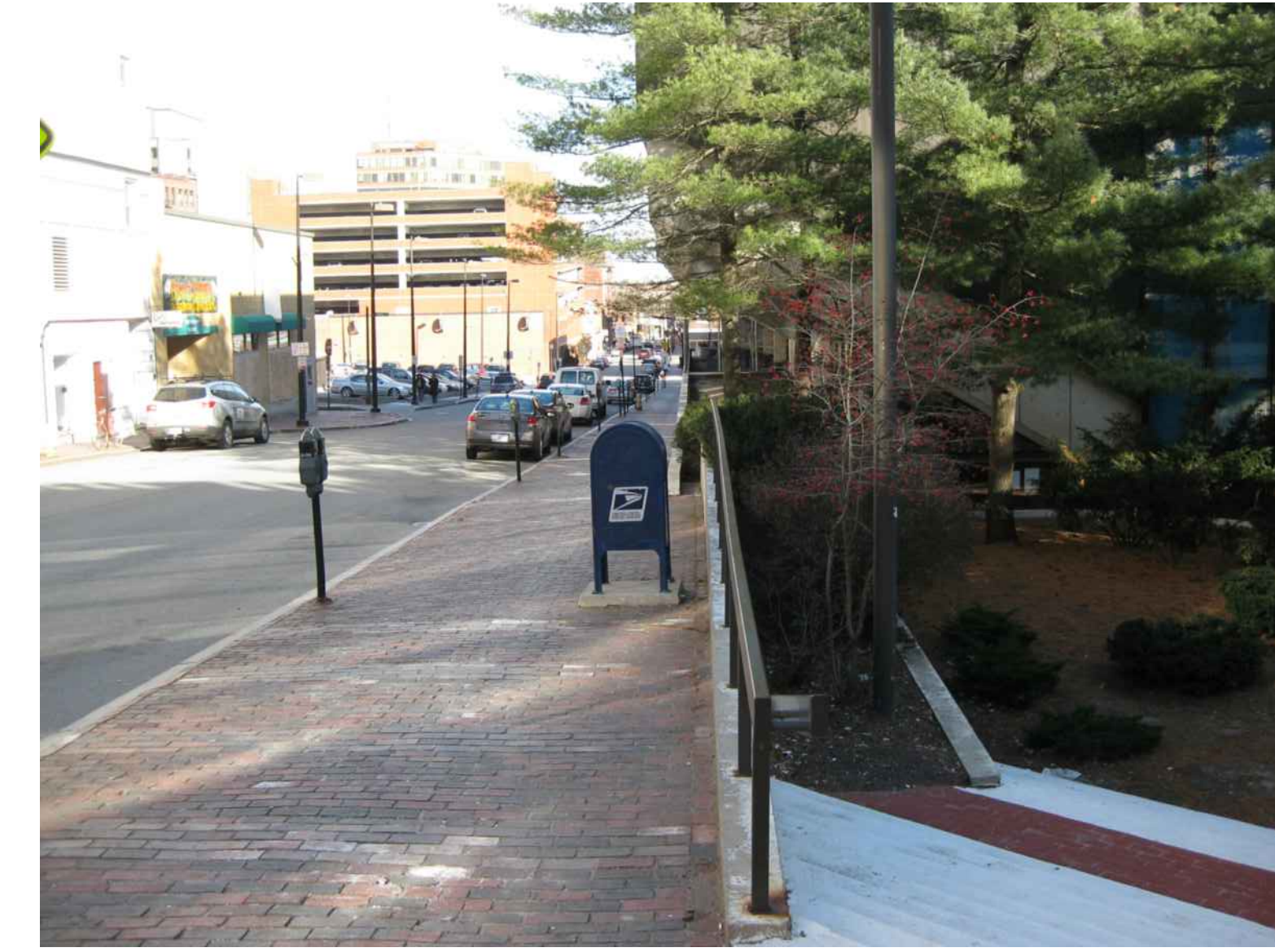
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NO SCALE



J10 SITE PHOTO

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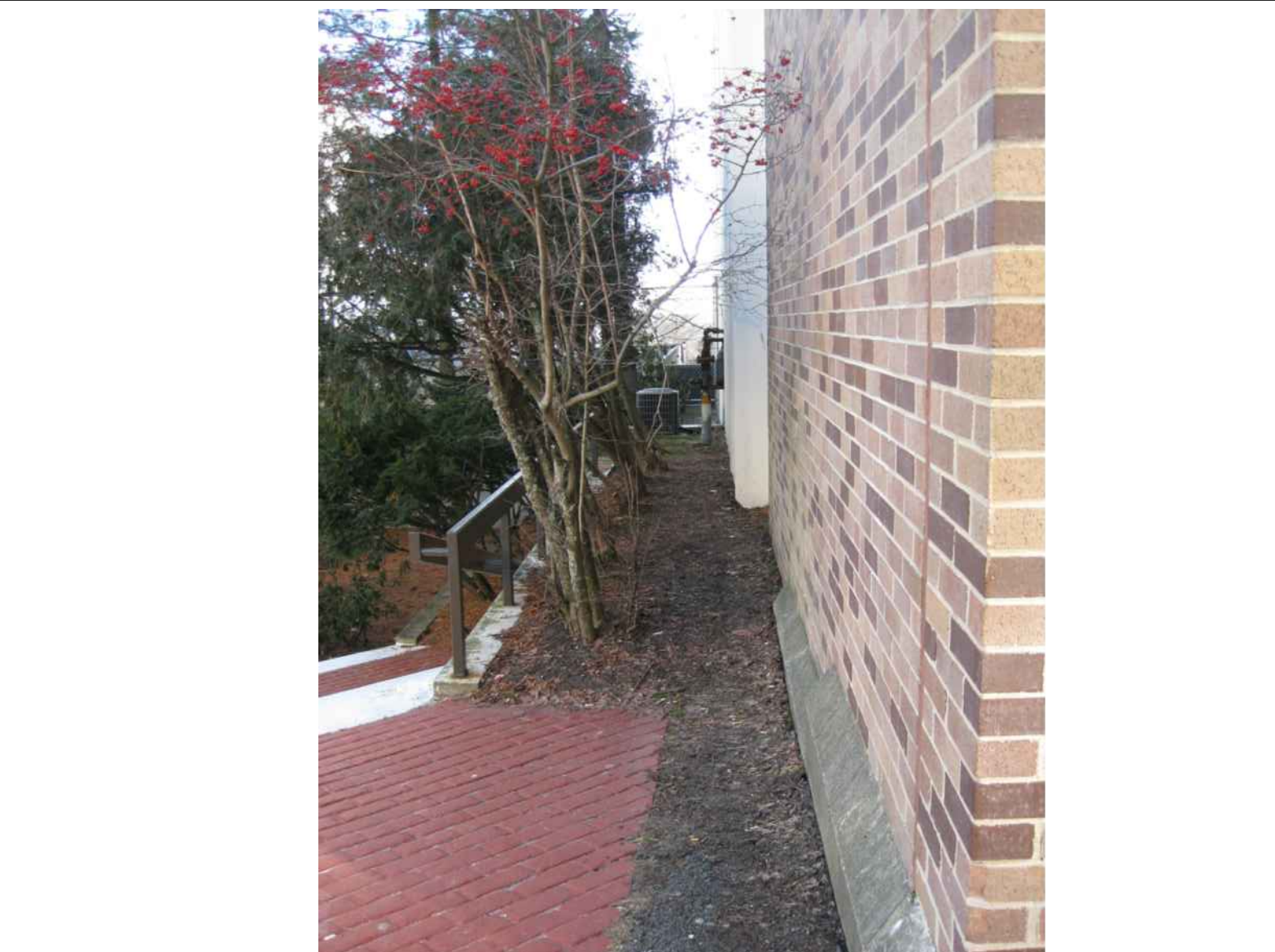
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A1 SITE PHOTO

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A10 SITE PHOTO

NO SCALE



A14 SITE PHOTO

NO SCALE

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REV.	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
01.21.2013

CURRENT ISSUE STATUS:

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BANGOR, MAINE 207-941-4511
PORTLAND, MAINE 207-538-4511
SANARAZA, FLORIDA 904-391-9100

CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

FREE STREET SITE PHOTOS

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WBRC CAD FILE:	3757.DWG
PROJECT NO.:	NO SCALE
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PROJECT MANAGER:	MEJ
DRAWN BY:	CHP
CHECKED BY:	ARB
SHEET NO.:	GR902

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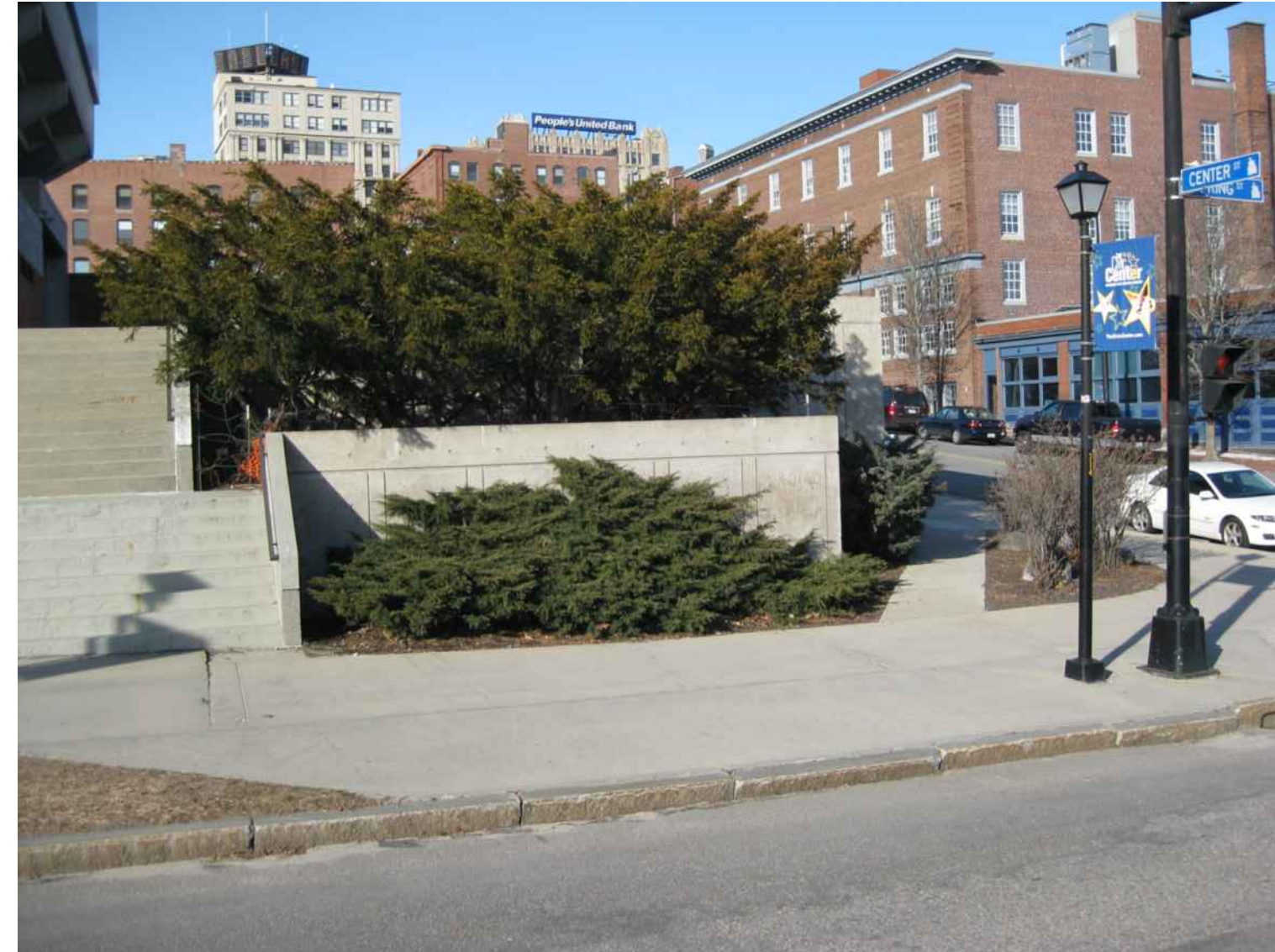
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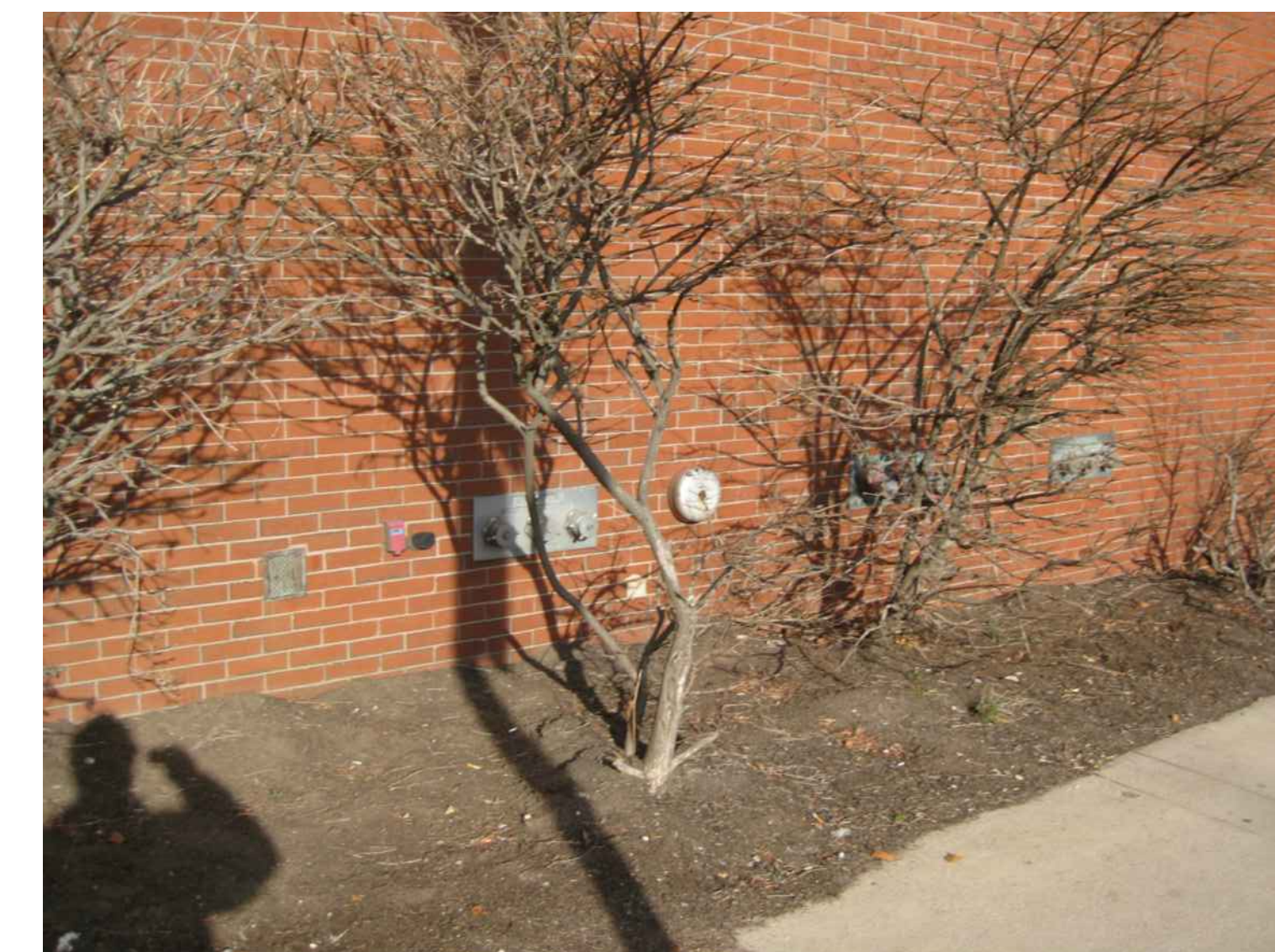
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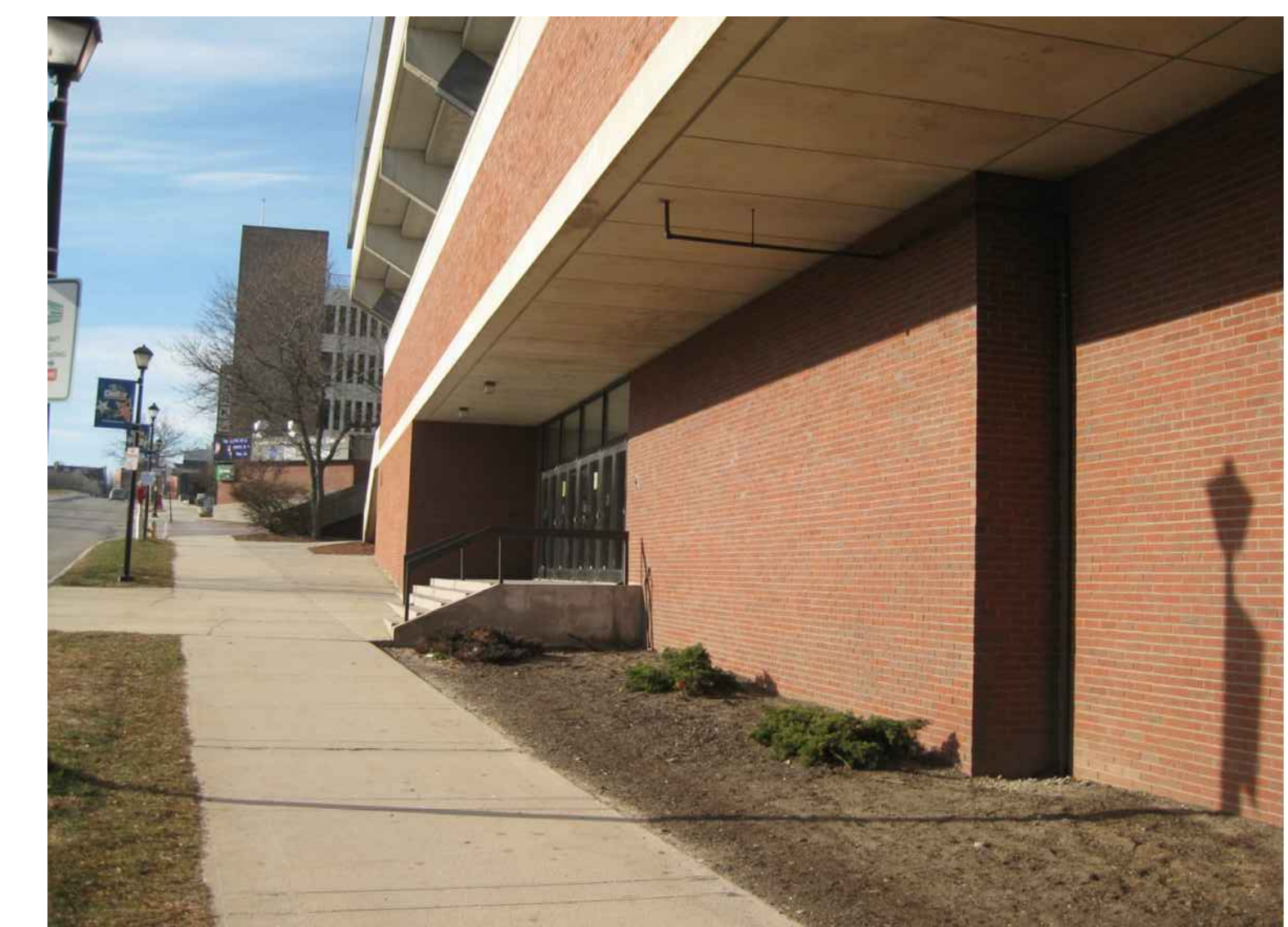
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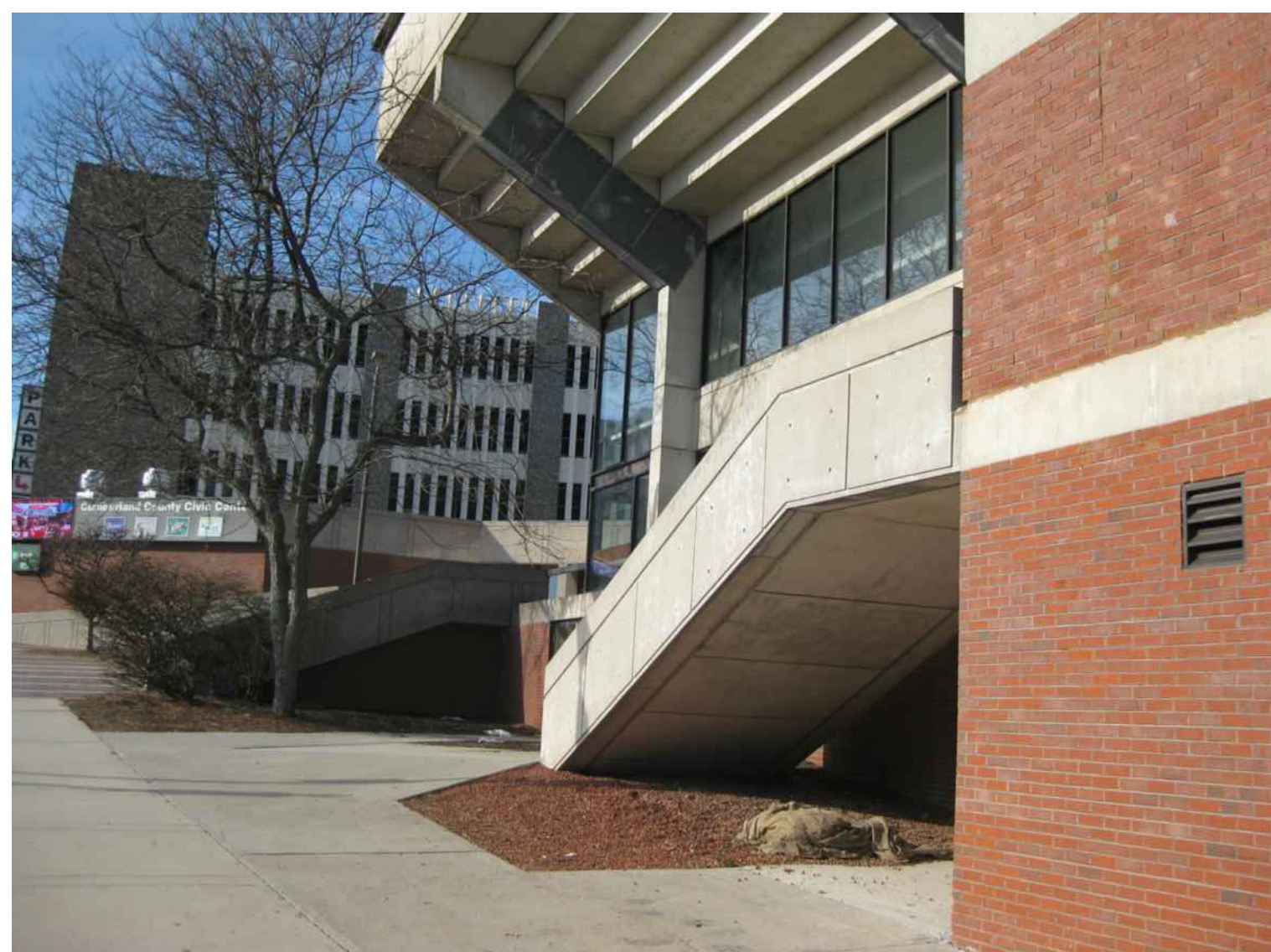
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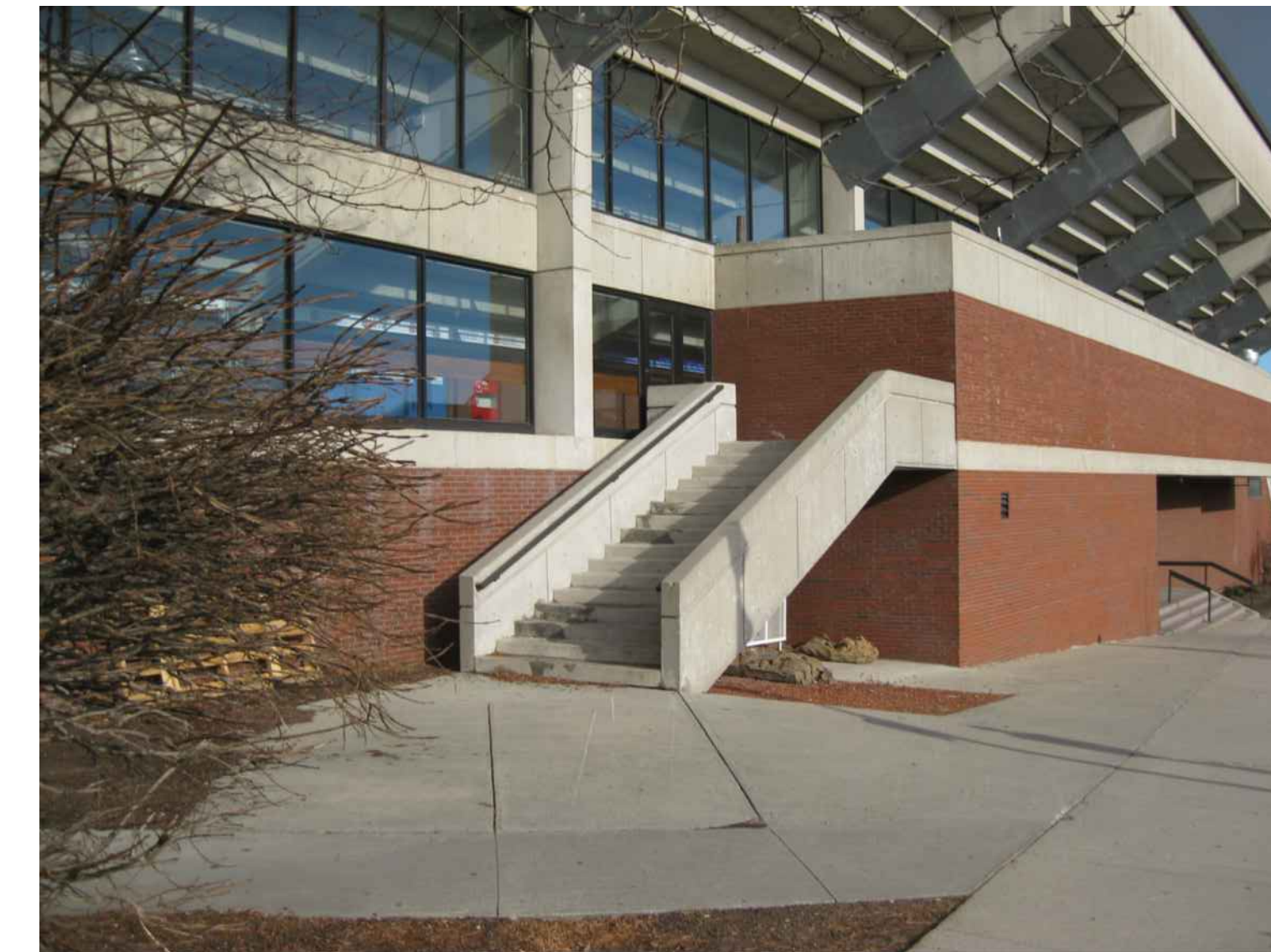
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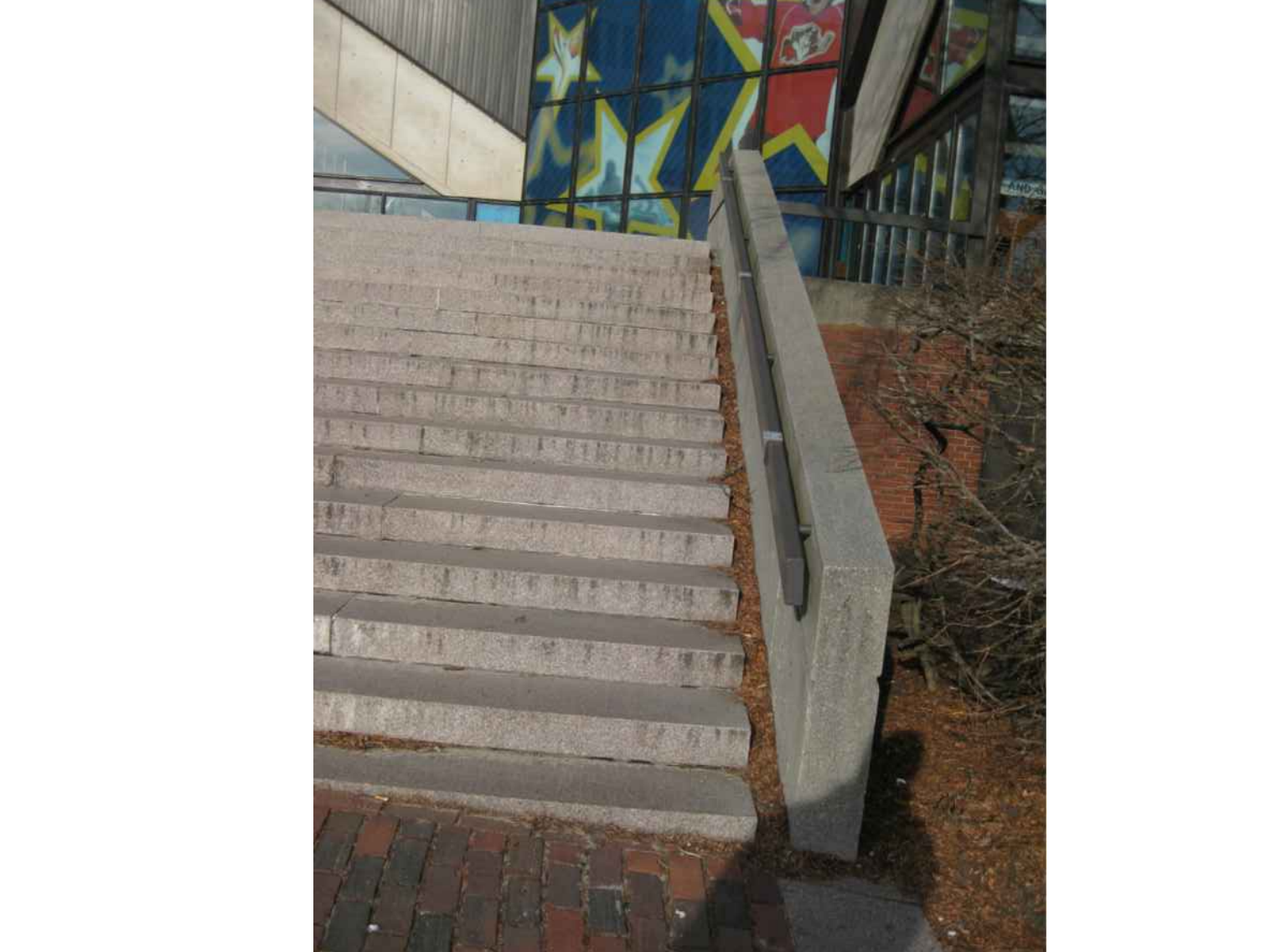
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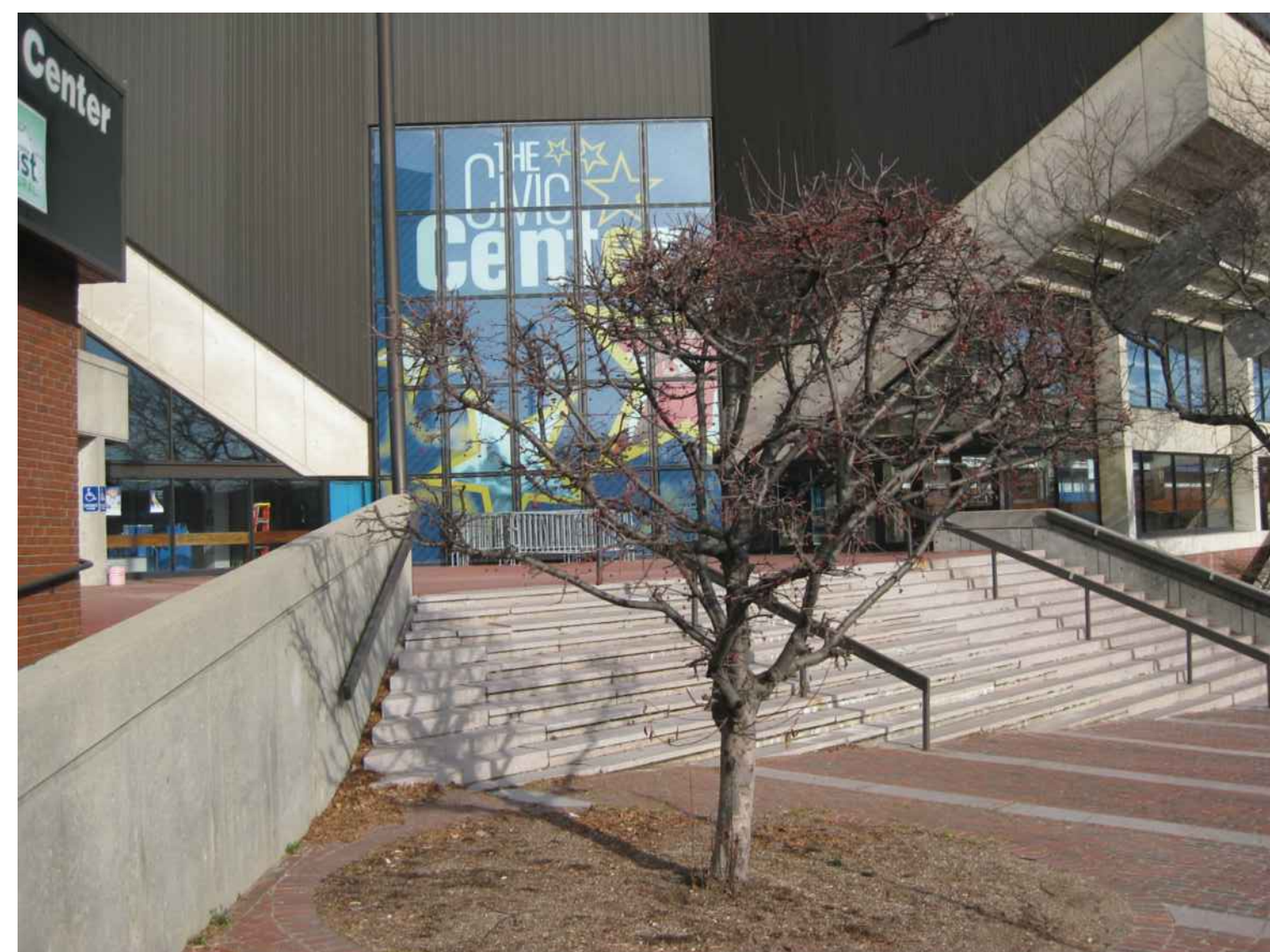
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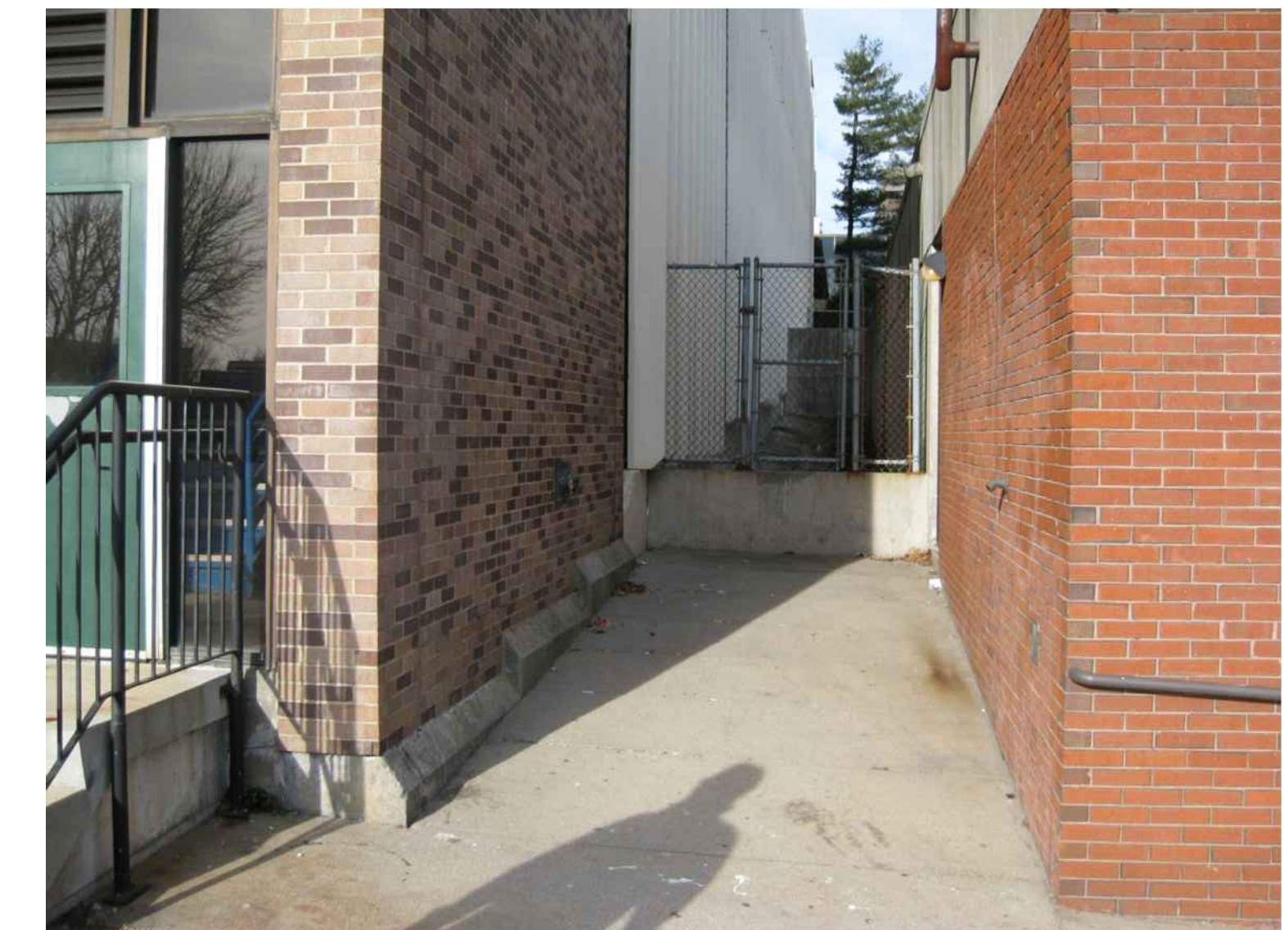
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PORTLAND, MAINE 207-438-4511
SANASSETA, FLORIDA 904-397-9100

**CUMBERLAND COUNTY
CIVIC CENTER RENOVATION**

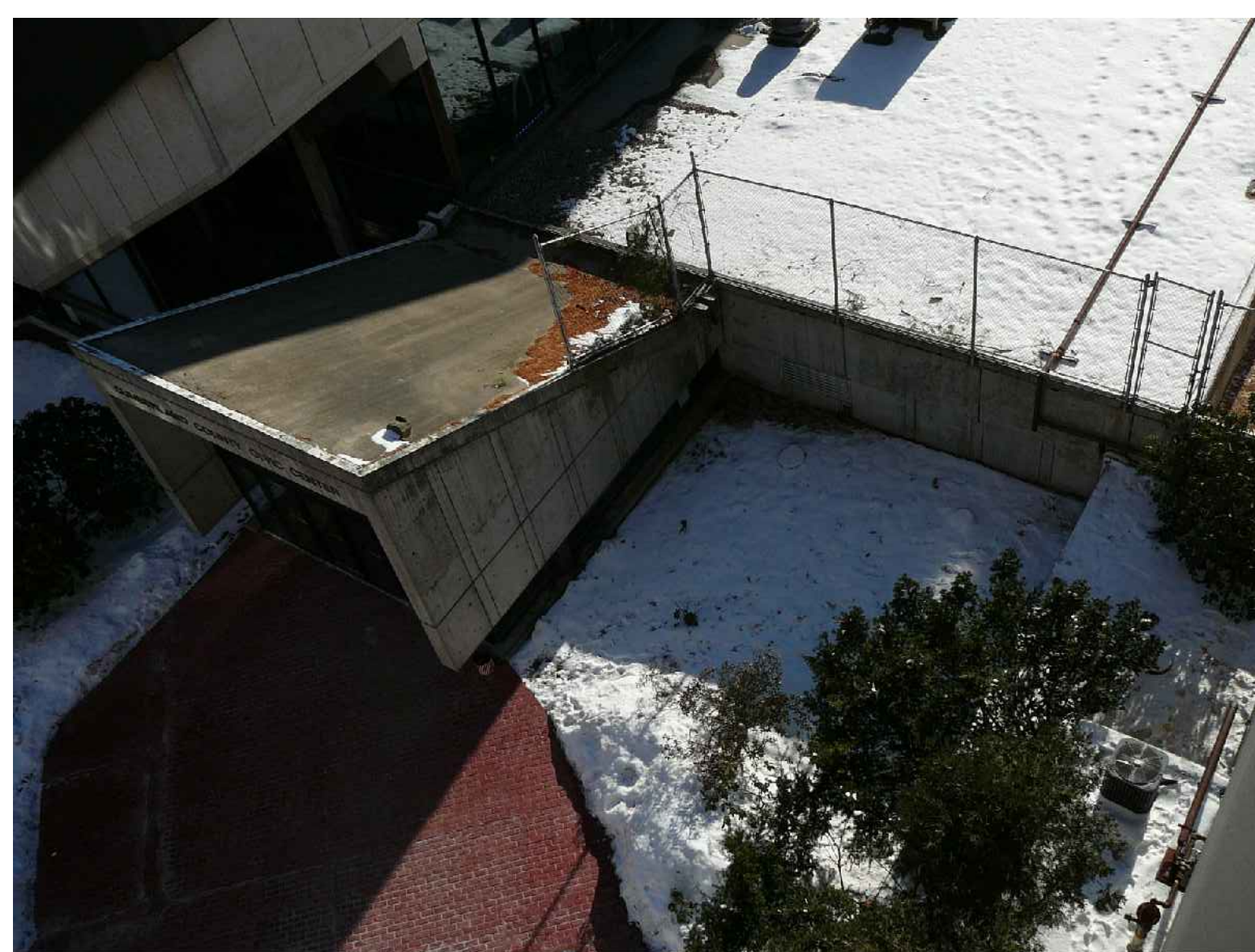
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**SPRING STREET
SITE PHOTOS**

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DRAWN BY:	CHP
CHECKED BY:	ARB
SHEET NO.:	GR903

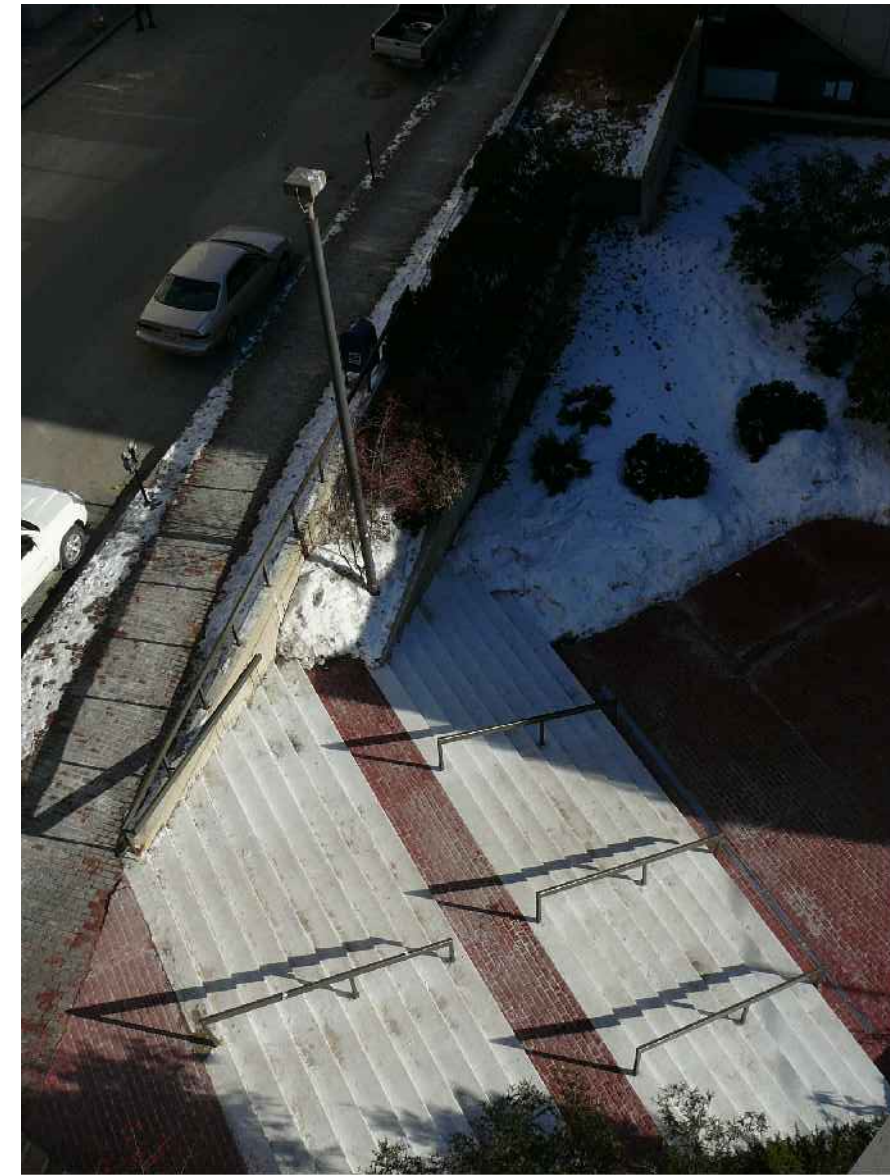
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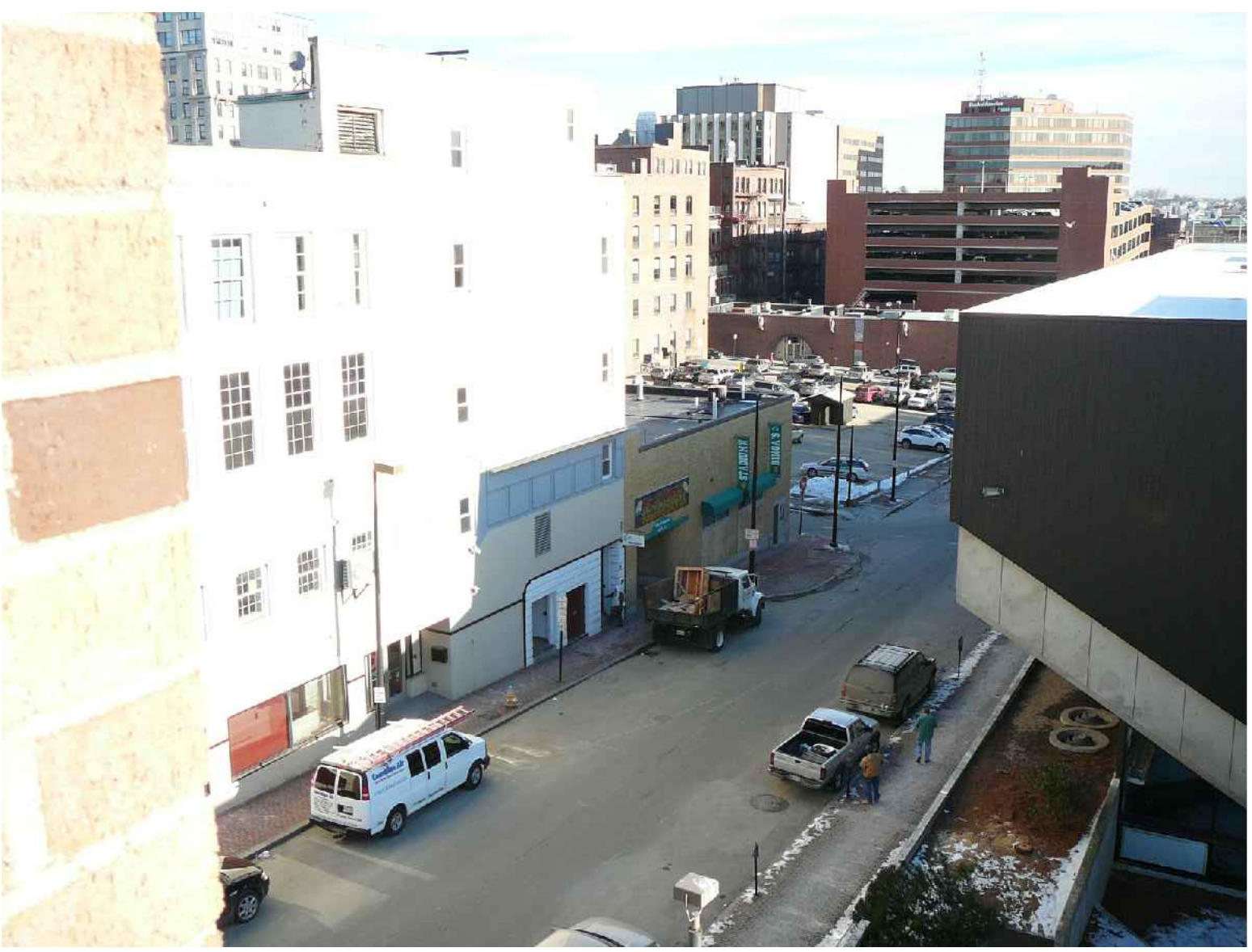
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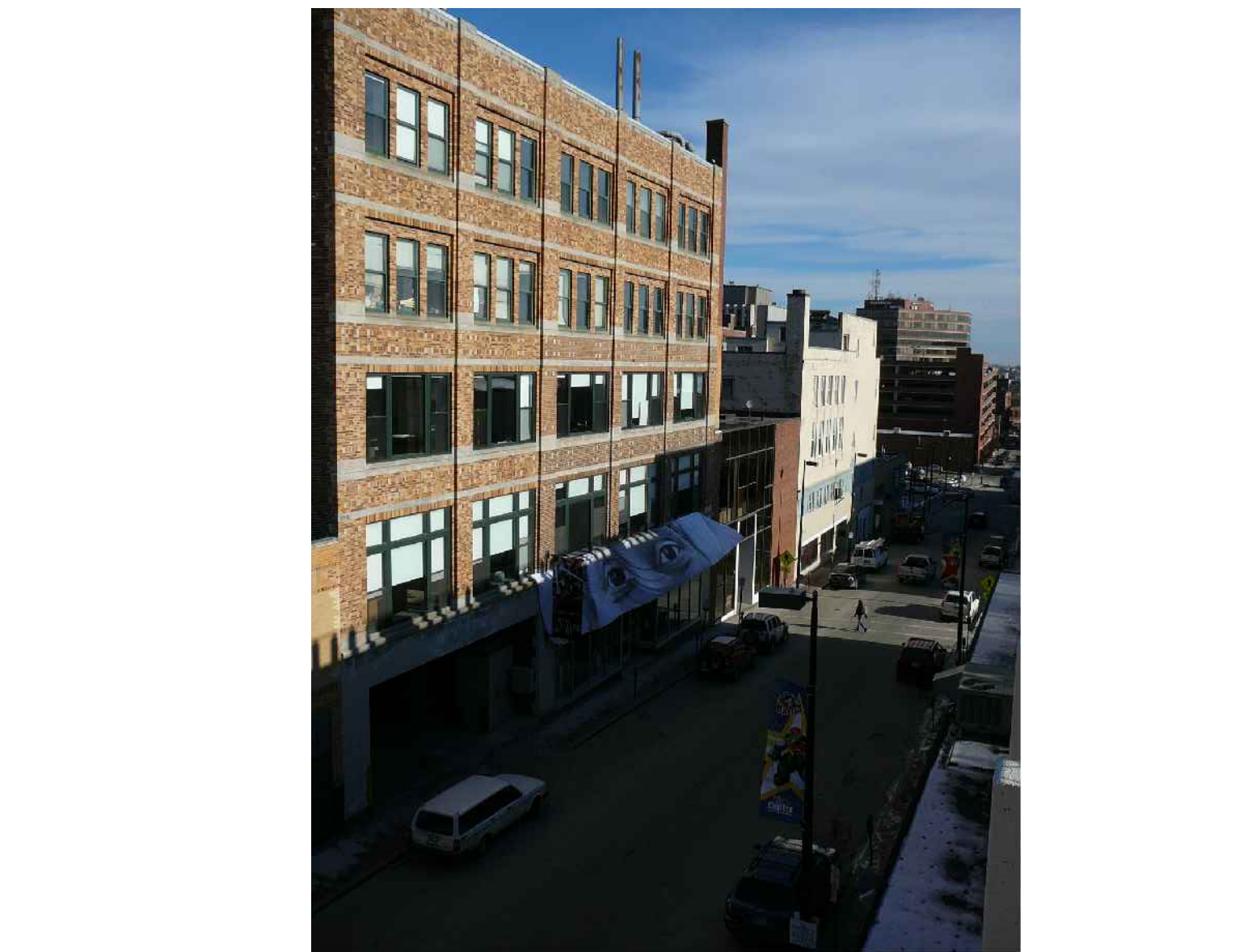
N14 SITE PHOTO

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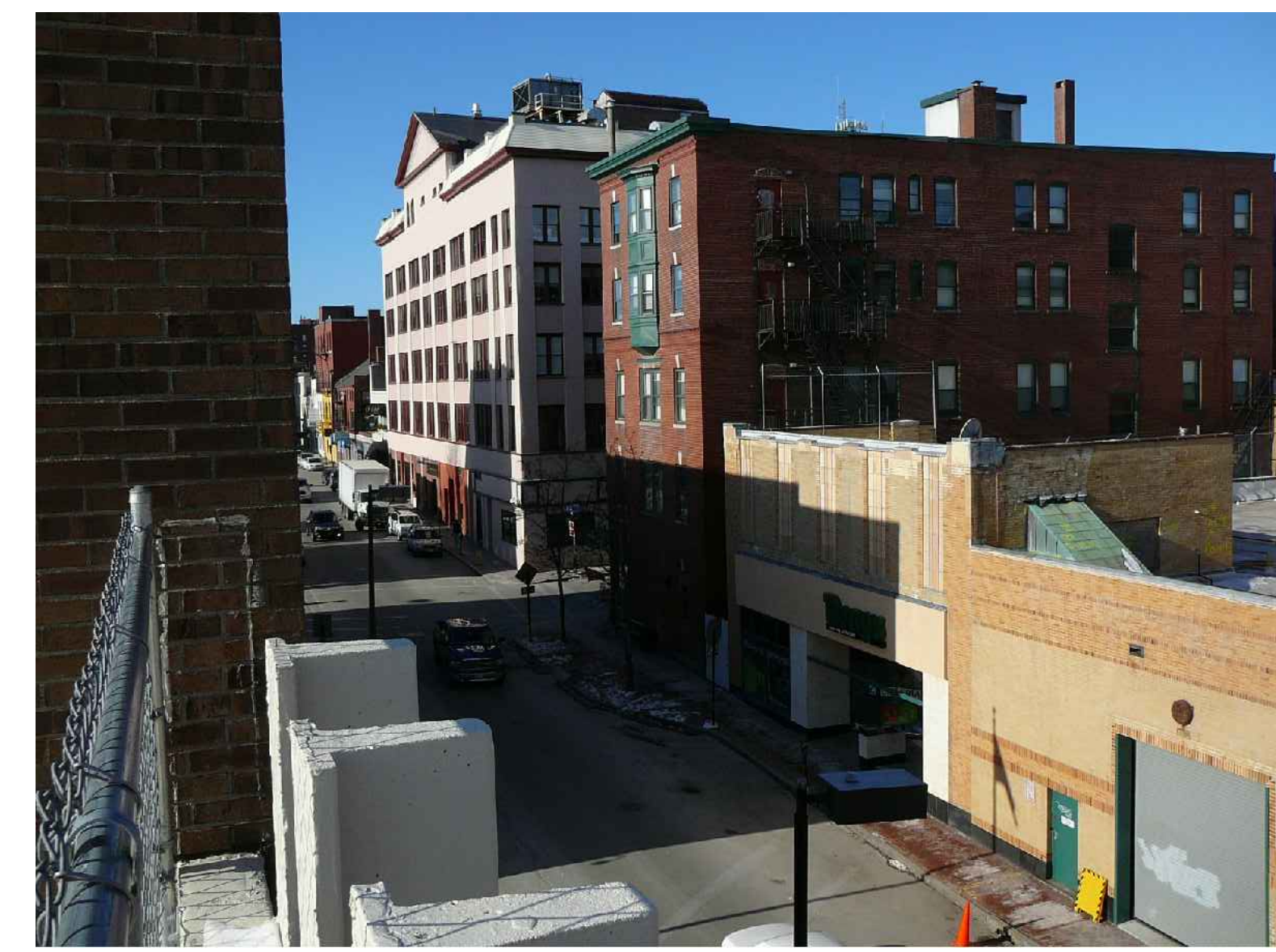
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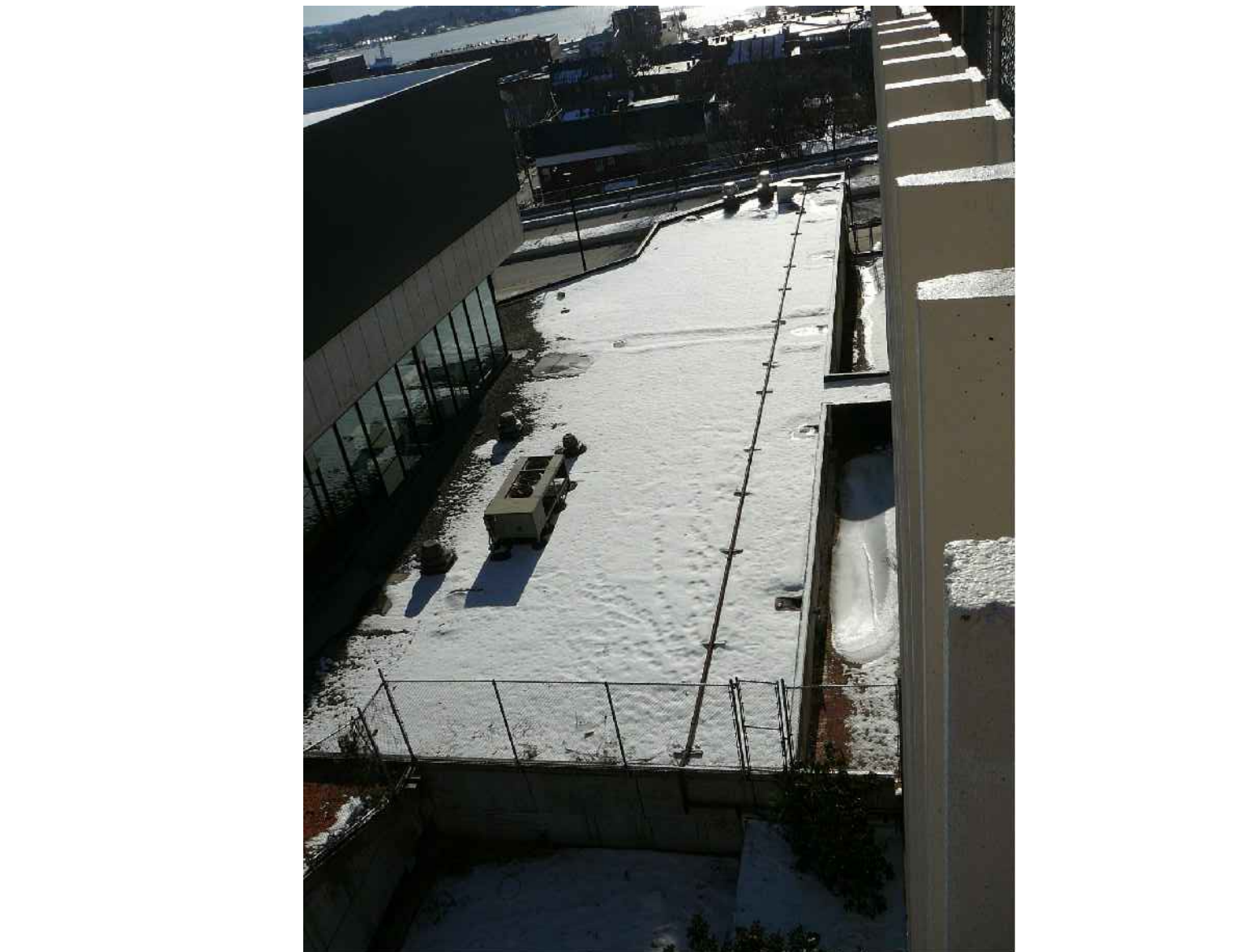
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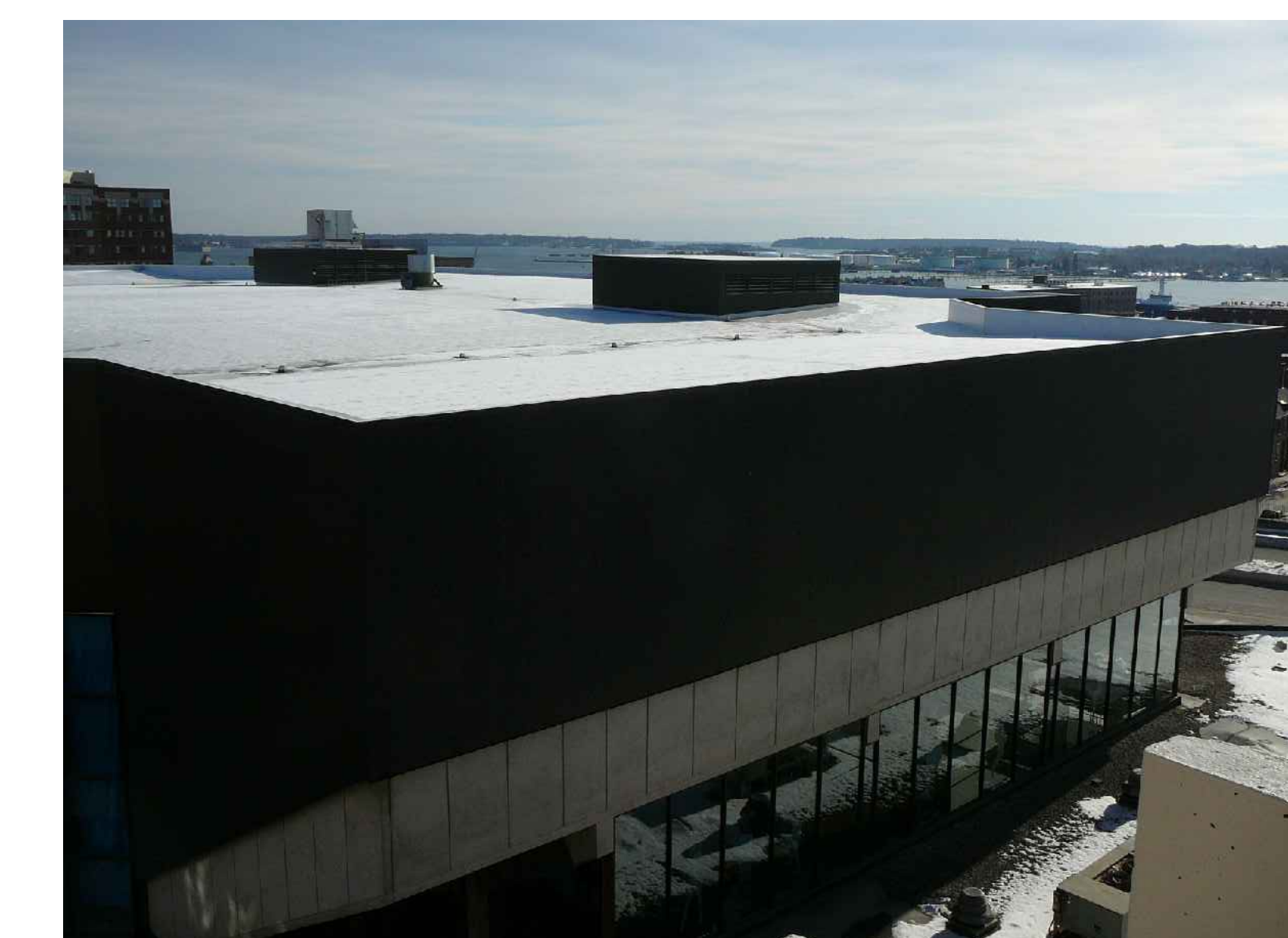
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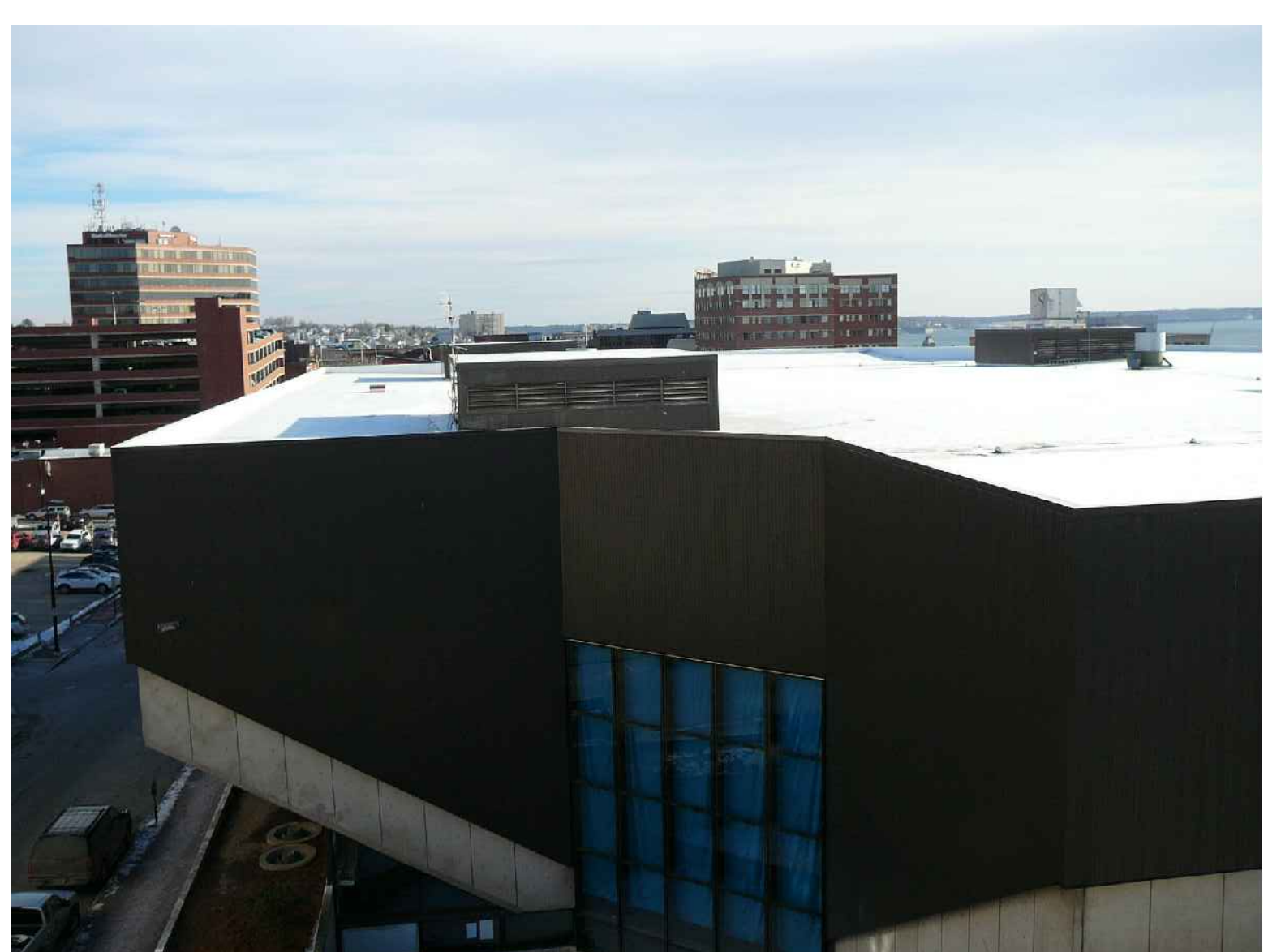
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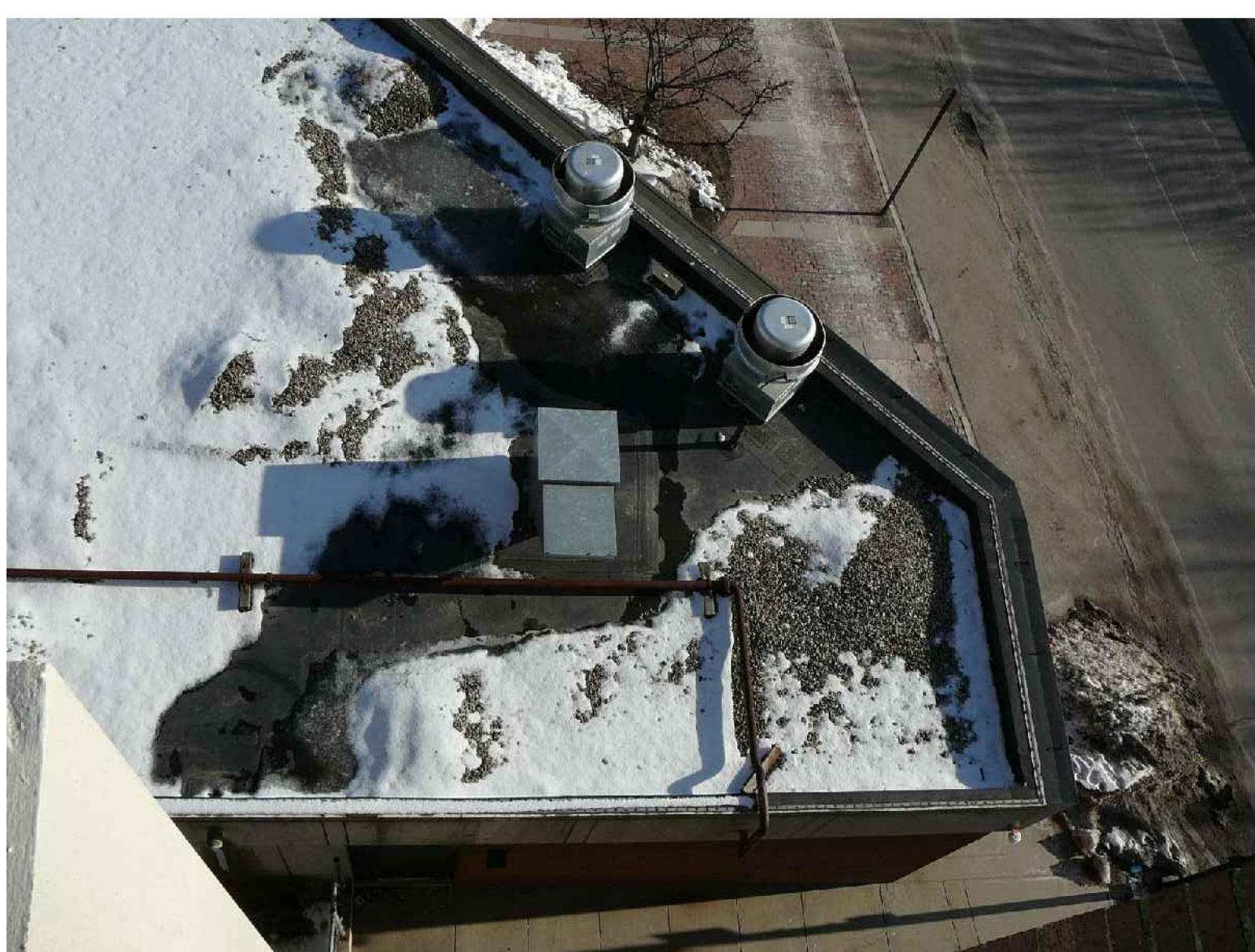
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CONSTRUCTION DOCUMENTS 01.21.2013

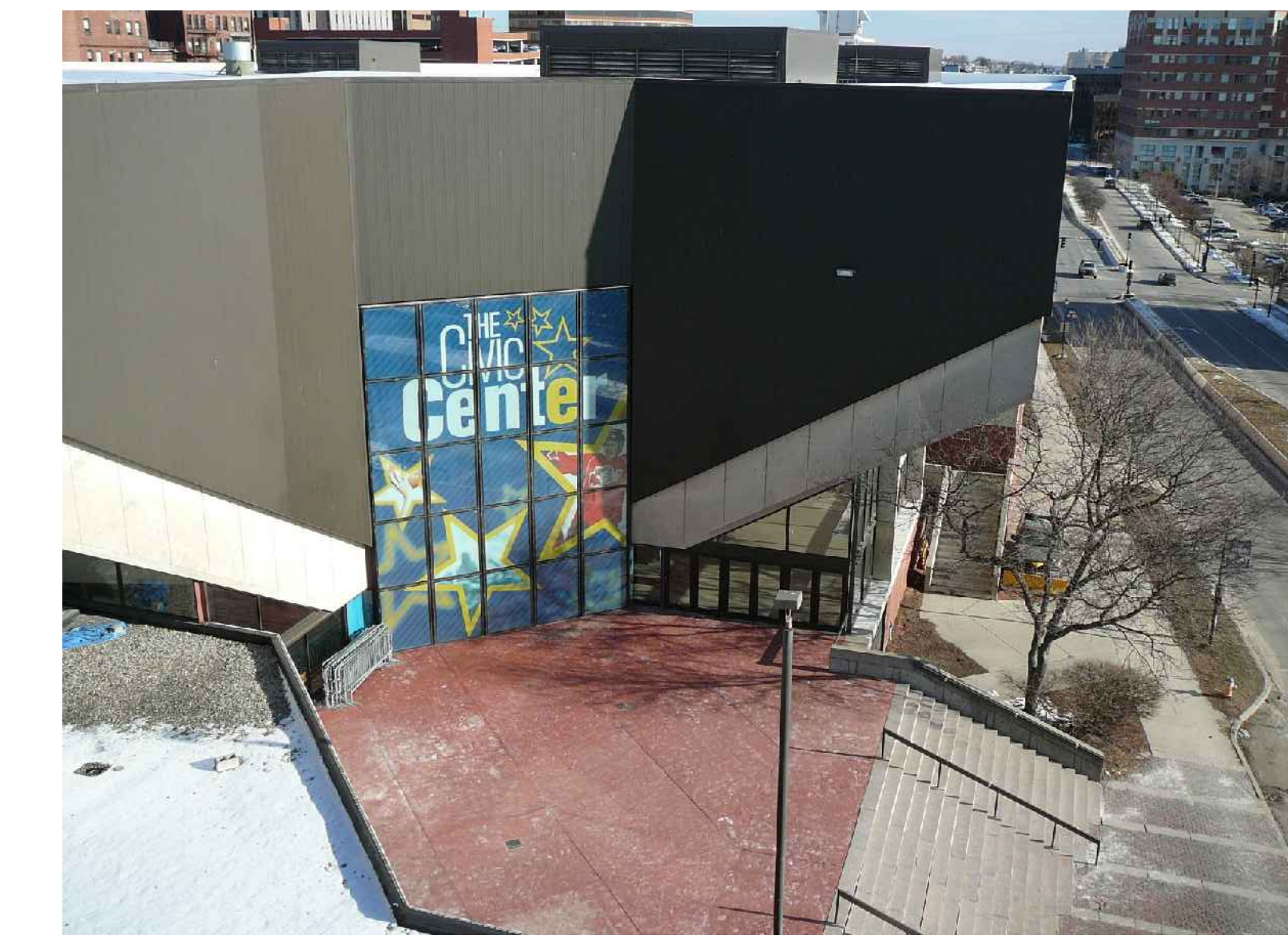
CURRENT ISSUE STATUS:



A1 SITE PHOTO



A5 SITE PHOTO



A10 SITE PHOTO



A14 SITE PHOTO

WBRC ARCHITECTS + ENGINEERS

BANGOR, MAINE 207-641-4511 PORTLAND, MAINE 207-638-4511 SARASOTA, FLORIDA 941-557-9100

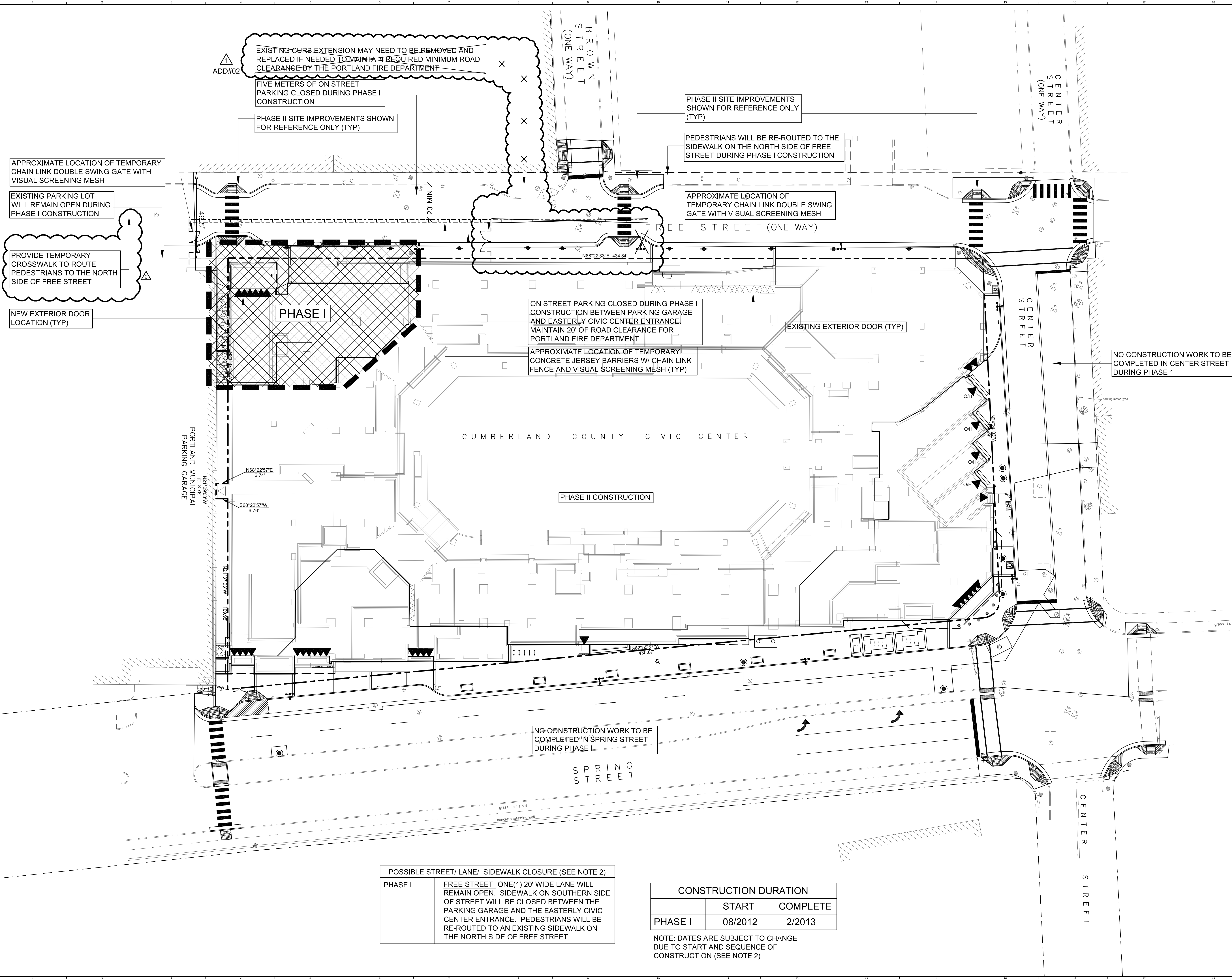
CUMBERLAND COUNTY CIVIC CENTER RENOVATION

ELEVATED SITE PHOTOS

SHEET TITLE:	ELEVATED SITE PHOTOS	SHEET NO.:	GR904
WBRC CAD FILE:	3757.D0	GRAPHIC SCALE:	1" = 100'
PROJECT NO.:	NO SCALE	DRAWN BY:	CHP
SCALE:	NO SCALE	CHECKED BY:	ARB

Jan 18, 2013 - 1:30pm 1:3701-3000@15700 Cumberland Cty Civic Center Renovation12 Design\Drawings\Site\15700-Gr904.dwg bobjrichards

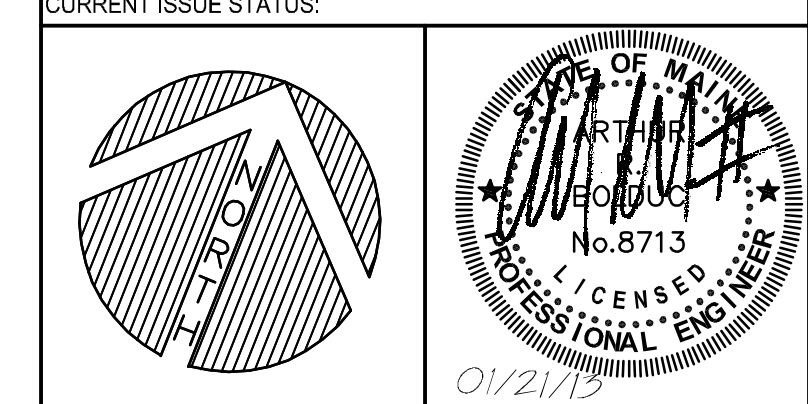
GENERAL NOTES:
 1. THE SECURITY FENCE SHALL BE SUPPLIED AND INSTALLED BY THE FENCING CONTRACTOR. THE ACTUAL LOCATION OF THE TEMPORARY SECURITY FENCING MAY VARY DEPENDING ON THE SEQUENCE OF CONSTRUCTION. THE FENCING CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY SECURITY FENCING THROUGHOUT THE DURATION OF THE CONTRACT AND AS THE CONSTRUCTION SCHEDULE PROGRESSES THIS TEMPORARY FENCING SHALL REMAIN. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON VISUAL SCREENING MESH. THE FENCING CONTRACTOR SHALL REMOVE TEMPORARY FENCE ONCE WORK IS COMPLETE.
 2. COORDINATE ALL CONSTRUCTION ACTIVITIES WITHIN THE STREET R.O.W.'S WITH THE OFFICIALS AND STAFF OF THE CITY OF PORTLAND PUBLIC SERVICES, AS WELL AS AGENCIES THAT HAVE JURISDICTION AND AUTHORITY.
 3. THE CONTRACTOR SHALL MAINTAIN SAFE ACCESS TO ALL THE EXIST. BUILDING WITHIN THE PROJECT LIMITS, WHICH INCLUDES H.C. ACCESS, CUSTOMER ACCESS, EMERGENCY VEHICLE ACCESS DELIVERY TRUCK ACCESS, AND TEMPORARY ACCESS. THE ACCESS TO THE BUILDING SHALL BE COORDINATED WITH THE OWNER. THESE ACCESSES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION DURATION. WEEKEND WORK AND/OR PHASING OF WORK MAY BE REQUIRED TO COMPLETE REQUIRED SITE IMPROVEMENTS.



CONSTRUCTION PHASING
 PHASE I

4	CONSTRUCTION DOCUMENTS	01-21-2013
3	NW ENTRY CONSTRUCTION DOCS	10-31-2012
2	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
ADD	ADDENDUM #2	09-21-2012
0	NW ENTRY F.S.E CON DOCS	08-23-2012
REV.	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
 01.21.2013



WBRC
 ARCHITECTS • ENGINEERS
 WWW.WBRC.COM
 BANGOR, MAINE 207-947-4818
 ROCKLAND, MAINE 207-584-4818
 SARASOTA, FLORIDA 941-375-2885

CUMBERLAND COUNTY CIVIC CENTER RENOVATION
 PROJECT: PORTLAND, MAINE

SITE PHASING PLAN - PHASE I

SHEET TITLE:	375700-PH100.DWG
WBRC CAD FILE:	3757.00
PROJECT NO.:	3757.00
SCALE:	1"=20'
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB
SHEET NO.:	PH100

POSSIBLE STREET/ LANE/ SIDEWALK CLOSURE (SEE NOTE 2)

PHASE I	FREE STREET: ONE(1) 20' WIDE LANE WILL REMAIN OPEN. SIDEWALK ON SOUTHERN SIDE OF STREET WILL BE CLOSED BETWEEN THE PARKING GARAGE AND THE EASTERLY CIVIC CENTER ENTRANCE. PEDESTRIANS WILL BE RE-ROUTED TO AN EXISTING SIDEWALK ON THE NORTH SIDE OF FREE STREET.
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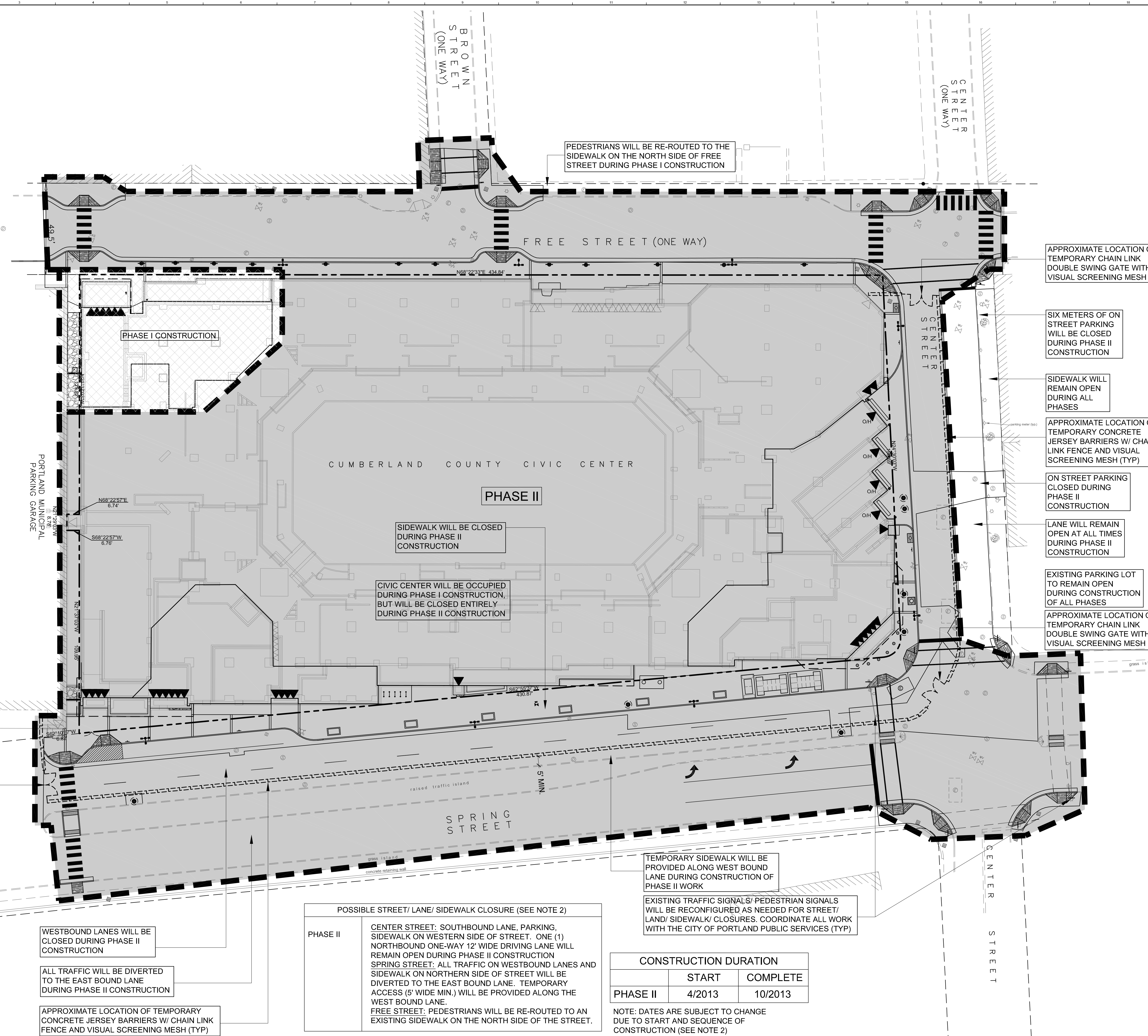
CONSTRUCTION DURATION

	START	COMPLETE
PHASE I	08/2012	2/2013

NOTE: DATES ARE SUBJECT TO CHANGE DUE TO START AND SEQUENCE OF CONSTRUCTION (SEE NOTE 2)

1:\Users\jwb\Documents\375700-Cumberland_City_Civic_Center_Renovations\2_Design\Drawings\375700-01-00-01.dwg 1/21/13 10:54am

GENERAL NOTES:
 1. THE SECURITY FENCE SHALL BE SUPPLIED AND INSTALLED BY THE FENCING CONTRACTOR. THE ACTUAL LOCATION OF THE TEMPORARY SECURITY FENCING MAY VARY DEPENDING ON THE SEQUENCE OF CONSTRUCTION. THE FENCING CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY SECURITY FENCING THROUGHOUT THE DURATION OF THE CONTRACT AND AS THE CONSTRUCTION SCHEDULE PROGRESSES THIS TEMPORARY FENCING SHALL REMAIN. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON VISUAL SCREENING MESH. THE FENCING CONTRACTOR SHALL REMOVE TEMPORARY FENCE ONCE WORK IS COMPLETE.
 2. COORDINATE ALL CONSTRUCTION ACTIVITIES WITHIN THE STREET R.O.W.'S WITH THE OFFICIALS AND STAFF OF THE CITY OF PORTLAND PUBLIC SERVICES, AS WELL AS AGENCIES THAT HAVE JURISDICTION AND AUTHORITY.
 3. THE CONTRACTOR SHALL MAINTAIN SAFE ACCESS TO ALL THE EXIST. BUILDING WITHIN THE PROJECT LIMITS, WHICH INCLUDES H.C. ACCESS, CUSTOMER ACCESS, EMERGENCY VEHICLE ACCESS DELIVERY TRUCK ACCESS, AND TEMPORARY ACCESS. THE ACCESS TO THE BUILDING SHALL BE COORDINATED WITH THE OWNER. THESE ACCESSES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION DURATION. WEEKEND WORK AND/OR PHASING OF WORK MAY BE REQUIRED TO COMPLETE REQUIRED SITE IMPROVEMENTS.



APPROXIMATE LOCATION OF TEMPORARY CHAIN LINK DOUBLE SWING GATE WITH VISUAL SCREENING MESH

SIX METERS OF ON STREET PARKING WILL BE CLOSED DURING PHASE II CONSTRUCTION

SIDEWALK WILL REMAIN OPEN DURING ALL PHASES

APPROXIMATE LOCATION OF TEMPORARY CONCRETE JERSEY BARRIERS W/ CHAIN LINK FENCE AND VISUAL SCREENING MESH (TYP)

ON STREET PARKING CLOSED DURING PHASE II CONSTRUCTION

LANE WILL REMAIN OPEN AT ALL TIMES DURING PHASE II CONSTRUCTION

EXISTING PARKING LOT TO REMAIN OPEN DURING CONSTRUCTION OF ALL PHASES

APPROXIMATE LOCATION OF TEMPORARY CHAIN LINK DOUBLE SWING GATE WITH VISUAL SCREENING MESH

SIDEWALK WILL BE CLOSED DURING PHASE II CONSTRUCTION

CIVIC CENTER WILL BE OCCUPIED DURING PHASE I CONSTRUCTION, BUT WILL BE CLOSED ENTIRELY DURING PHASE II CONSTRUCTION

PEDESTRIANS WILL BE RE-ROUTED TO THE SIDEWALK ON THE NORTH SIDE OF FREE STREET DURING PHASE I CONSTRUCTION

APPROXIMATE LOCATION OF TEMPORARY CHAIN LINK DOUBLE SWING GATE WITH VISUAL SCREENING MESH

TEMPORARY SIDEWALK WILL BE PROVIDED ALONG WEST BOUND LANE DURING CONSTRUCTION OF PHASE II WORK

EXISTING TRAFFIC SIGNALS/ PEDESTRIAN SIGNALS WILL BE RECONFIGURED AS NEEDED FOR STREET/ LAND/ SIDEWALK/ CLOSURES. COORDINATE ALL WORK WITH THE CITY OF PORTLAND PUBLIC SERVICES (TYP)

WESTBOUND LANES WILL BE CLOSED DURING PHASE II CONSTRUCTION

ALL TRAFFIC WILL BE DIVERTED TO THE EAST BOUND LANE DURING PHASE II CONSTRUCTION

APPROXIMATE LOCATION OF TEMPORARY CONCRETE JERSEY BARRIERS W/ CHAIN LINK FENCE AND VISUAL SCREENING MESH (TYP)

POSSIBLE STREET/ LANE/ SIDEWALK CLOSURE (SEE NOTE 2)	
PHASE II	CENTER STREET: SOUTHBOUND LANE, PARKING, SIDEWALK ON WESTERN SIDE OF STREET. ONE (1) NORTHBOUND ONE-WAY 12' WIDE DRIVING LANE WILL REMAIN OPEN DURING PHASE II CONSTRUCTION SPRING STREET: ALL TRAFFIC ON WESTBOUND LANES AND SIDEWALK ON NORTHERN SIDE OF STREET WILL BE DIVERTED TO THE EAST BOUND LANE. TEMPORARY ACCESS (5' WIDE MIN.) WILL BE PROVIDED ALONG THE WEST BOUND LANE. FREE STREET: PEDESTRIANS WILL BE RE-ROUTED TO AN EXISTING SIDEWALK ON THE NORTH SIDE OF THE STREET.

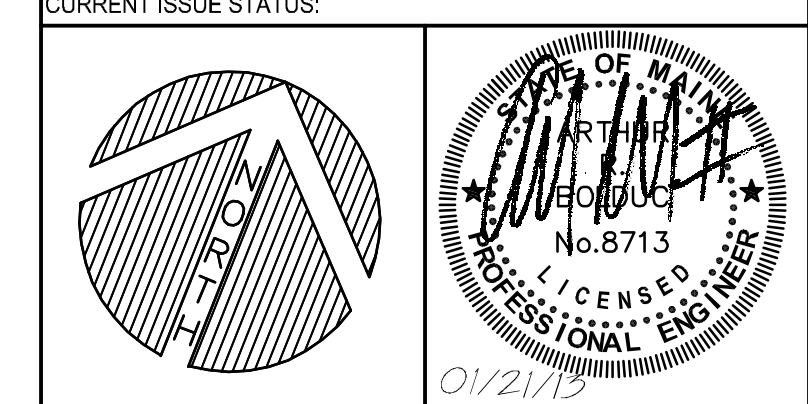
CONSTRUCTION DURATION		
	START	COMPLETE
PHASE II	4/2013	10/2013

NOTE: DATES ARE SUBJECT TO CHANGE DUE TO START AND SEQUENCE OF CONSTRUCTION (SEE NOTE 2)

CONSTRUCTION PHASING	
PHASE I	
PHASE II	

REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
0	NW ENTRY F.S.E CON DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01.21.2013



CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

SITE PHASING PLAN - PHASE II	
SHEET TITLE:	375700-PH100.DWG
WBRC CAD FILE:	3757.00
PROJECT NO.:	3757.00
SCALE:	1"=20'
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB
SHEET NO. PH101	

Jan 21, 2013 10:57am
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REMOVALS NOTES:

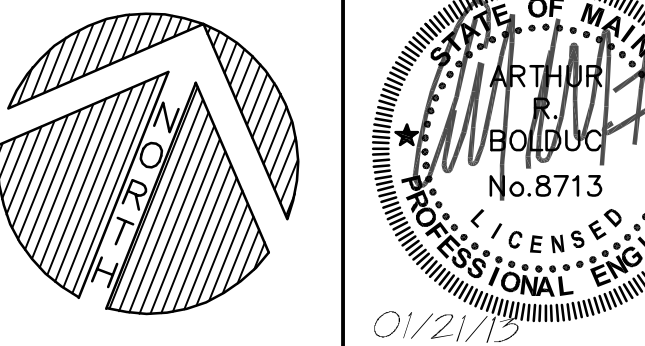
- SEE NOTES R1 THROUGH R5 ON SHEET G1006 FOR ADDITIONAL REMOVALS INFORMATION.
- CLEARING LIMITS SHALL EXTEND ONLY TO SUCH A POINT NECESSARY TO COMPLETE EARTHWORK ACTIVITIES.
- THE UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE AND IS BASED ON A SURVEY COMPLETED BY SHYKA, SHEPPARD & GARSTER LAND SURVEYORS. THE SITE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY SITE CLEARING, GRUBBING AND EARTHWORK ACTIVITIES.
- ALL SOIL AND EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY WORK. SEE G3101 FOR MORE INFORMATION. THE SITE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL SOIL AND EROSION CONTROL MEASURES.
- SOME TREE TRIMMING NOT SHOWN ON THIS PLAN MAY BE NECESSARY FOR CONSTRUCTION PURPOSES. THE SITE CONTRACTOR SHOULD EVALUATE AND SCHEDULE ACCORDINGLY.
- SEE PHASING PLANS FOR ADDITIONAL INFORMATION RELATED TO SEQUENCE OF CONSTRUCTION, SIDEWALK/LANE CLOSURES & APPROXIMATE LOCATION OF SECURITY FENCING/GATES.
- SITE CONTRACTOR SHALL COORDINATE WITH THE CITY OF PORTLAND OFFICIALS / STAFF WHEN WORKING WITHIN THE SPRING, CENTER AND FREE STREET R.O.W.'S.
- IN ALL LOCATIONS INDICATING "FULL DEPTH" HOT MIX ASPHALT, INSTALL PAVEMENT TO MATCH EXISTING SURFACE. ALL SITE IMPROVEMENT WORK SHALL BE COMPLETED PRIOR TO GRINDING EXISTING PAVEMENT & PAVEMENT OVERLAY INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN SAFE ACCESS TO ALL THE EXIST. BUILDINGS WITHIN THE PROJECT LIMITS, WHICH INCLUDES H.C. ACCESS, CUSTOMER ACCESS, EMERGENCY VEHICLE ACCESS, DELIVERY TRUCK ACCESS, AND TEMPORARY ACCESS. THE ACCESS TO THE BUILDING SHALL BE COORDINATED WITH THE OWNER. THESE ACCESSES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION DURATION. WEEKEND WORK AND/OR PHASING OF WORK MAY BE REQUIRED TO COMPLETE REQUIRED SITE IMPROVEMENTS.
- CONTRACTOR TO MAINTAIN ACCESS TO ALL FIRE HYDRANTS WITHIN THE CONSTRUCTION LIMITS AT ALL TIMES.
- SEE SHEETS PH100 AND PH101 FOR PHASING OF CONSTRUCTION.
- SEE SITE LEGGE REMOVALS PLAN, SHEET CD102 FOR ADDITIONAL INFORMATION.

EXISTING	LEGEND	PROPOSED
	STREET LIGHTING	
	BUILDING LIGHTING	
	WATER SHUTOFF / GATE VALVE	
	PARKING METER	
	ELECTRICAL COMM. MANHOLE	
	MANHOLE	
	SEWER MANHOLE	
	GAS SHUTOFF	
	CATCH BASIN	
	FIRE HYDRANT	
	SIGN	
	PAVEMENT REMOVALS	
	LIMITS OF CONSTRUCTION	
	PROPERTY SETBACK	
	PROPERTY LINE	
	ABUTTING PROPERTY LINE	

REV.	DESCRIPTION	DATE
5	CONSTRUCTION DOCUMENTS	01-21-2013
4	NW ENTRY CONSTRUCTION DOCS	10-31-2012
3	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
2	NW ENTRY F.S.E CON DOCS	08-23-2012
1	ADDENDUM #1	08.09.12

CONSTRUCTION DOCUMENTS
01.21.2013

CURRENT ISSUE STATUS:

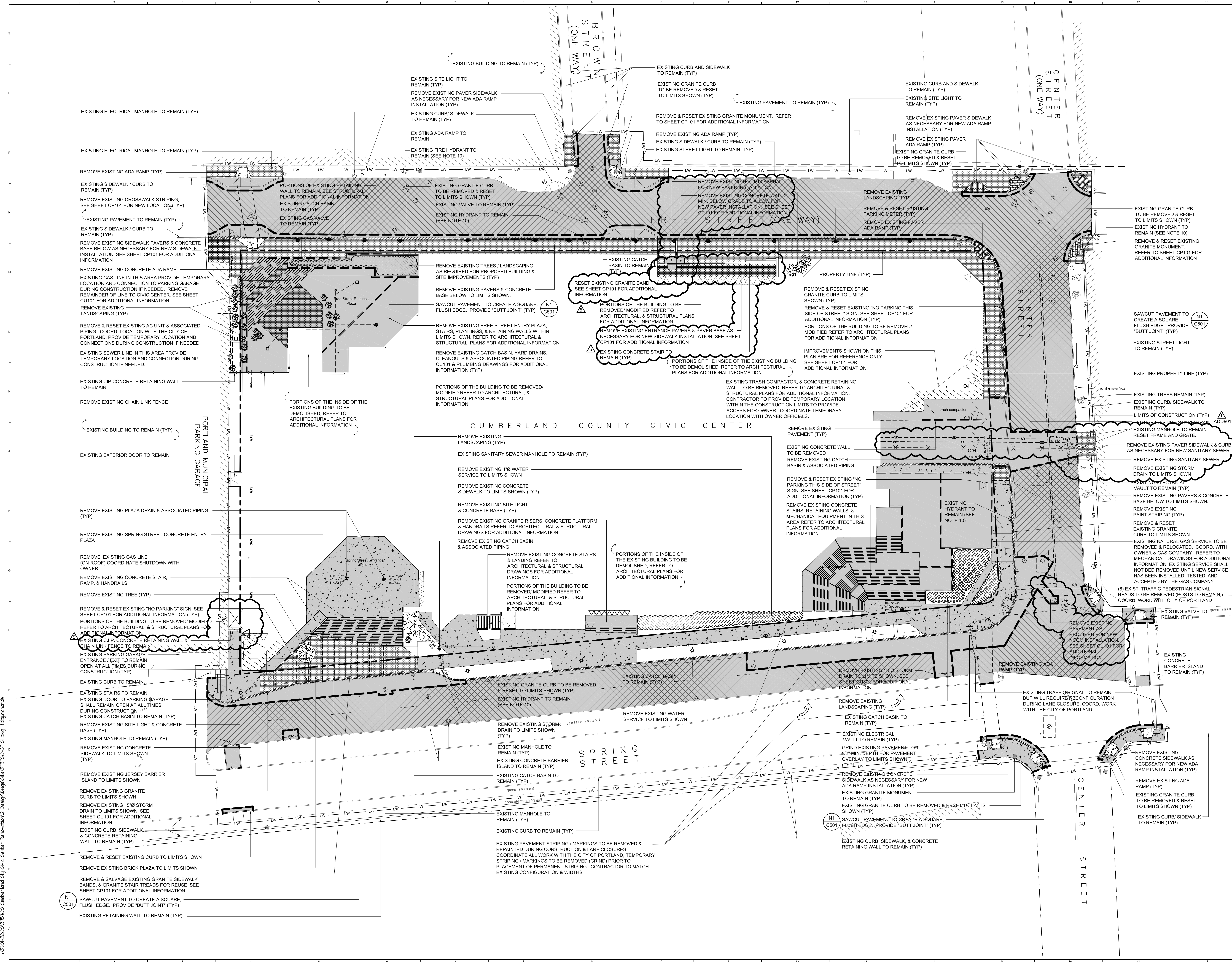


CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

SITE REMOVALS PLAN

SHEET TITLE:	375700-SP101.DWG
WBRC CAD FILE:	
PROJECT NO.:	3757.00
SCALE:	1"=20'
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB
SHEET NO.:	CD101



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BROWN STREET (ONE WAY)

CENTER STREET (ONE WAY)

FREE STREET (ONE WAY)

CUMBERLAND COUNTY CIVIC CENTER

SPRING STREET

CENTER STREET

G12. THE CONTRACTOR SHALL CARRY THE MINIMUM LEDGE QUANTITIES IN THE BASE BID TO DRILL, BLAST AND REMOVE THE FOLLOWING LEDGE QUANTITIES WITHIN THE TRENCHES AND MASS AREAS INDICATED:

"MASS" ROCK REMOVAL: 900 CY
"TRENCH" ROCK REMOVAL: 100 CY

LEDGE QUANTITIES IN EXCESS OF THE LISTED QUANTITIES SHALL BE REMOVED AS REQUIRED TO COMPLETE THE BUILDING AND SITE IMPROVEMENTS AS DETAILED IN THE CONSTRUCTION DOCUMENTS, AND SHALL BE PAID FOR THRU THE "EXCESS ROCK REMOVAL" ALLOWANCE INDICATED IN THE CONTRACT DOCUMENTS

SINK COMBS DETHLEFS

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Sink Combs
Dethlefs, P.C.

475 Lincoln Street
Suite 110
Denver, Colorado 80202

303.308.0200
FAX 303.502.0222

GEOTECHNICAL EXPLORATION AND LEDGE REMOVAL NOTES:

G1. BORING, PROBES AND OTHER SUBSURFACE INVESTIGATIONS ARE NOT WARRANTED TO SHOW ACTUAL SUBSURFACE CONDITIONS EXCEPT AT LOCATIONS OF SAID BORINGS, TEST, OR INVESTIGATIONS, AND THESE POINTS ARE SUBJECT TO INACCURACIES INHERENT IN METHODS USED AND TO VARIATIONS IN THE INVESTIGATOR'S INTERPRETATION OF SOIL LAYERS.

G2. THE OWNER AND ARCHITECT WILL MAKE NO ATTEMPT TO WARRANT THE INTERPRETIVE LEDGE CONTOUR DATA SHOWN ON THIS PLAN. THE INTERPRETIVE DATA IS PROVIDED ONLY AS AN AID TO THE BIDDER. IT IS THE BIDDER'S RESPONSIBILITY TO DRAW HIS/HER OWN CONCLUSIONS OF SUBSURFACE CONDITIONS FROM THE TEST DATA PROVIDED WITHIN THE SPECIFICATIONS.

G3. THE OWNER AND ARCHITECT DO NOT WARRANT THE QUANTITY OF LEDGE REMOVAL AS REQUIRED FOR THE PROPOSED BUILDING AND SITE IMPROVEMENTS.

G4. ALL LEDGE SHALL BE EXPOSED, SURVEYED BY A LICENSED STATE OF MAINE PROFESSIONAL LAND SURVEYOR, AND QUANTIFIED BY A LICENSED STATE OF MAINE PROFESSIONAL ENGINEER USING THE "AVERAGE END AREA" OR OTHER METHOD DEEMED SUITABLE BY THE OWNER AND ARCHITECT.

G5. LEDGE ENCOUNTERED THAT VARIES FROM THAT SHOWN ON THIS PLAN SHALL BE BROUGHT TO THE ARCHITECT'S IMMEDIATE ATTENTION ONCE THE LEDGE IS CLASSIFIED AS ROCK. IT SHALL BE QUANTIFIED BY THE METHODS DESCRIBED ABOVE BEFORE PROCEEDING FURTHER. SURVEY DATA, QUANTITY DATA AND CROSS-SECTION COMPUTATIONS SHALL BE PROVIDED TO THE ARCHITECT BY THE CONTRACTOR FOR EVALUATION BY THE OWNER AND ARCHITECT. THE OWNER AND ARCHITECT WILL DETERMINE IF ANY CONTRACT MODIFICATIONS WILL BE NECESSARY TO AVOID EXCESS LEDGE REMOVALS.

G6. THE CONTRACTOR AGREES, IN SIGNING HIS/HER CONTRACT, THAT HE/SHE WILL MAKE NO ADDITIONAL CLAIMS AGAINST THE OWNER OR THE ARCHITECT, IF HE/SHE FINDS THAT ACTUAL CONDITIONS ENCOUNTERED IN PERFORMING THE WORK DO NOT CONFORM TO THE CONDITIONS PRESENTED, AND SHALL NOT BE GRANTED ADDITIONAL COMPENSATION FOR CLAIMS MADE FOR COSTS INCURRED TO DRILL, BLAST, OR REMOVE SAID LEDGE PRIOR TO EXPOSING, CLASSIFYING, QUANTIFYING, AND RECEIVING AN EXECUTED CHANGE ORDER FOR THE ADDITIONAL WORK IN QUESTION.

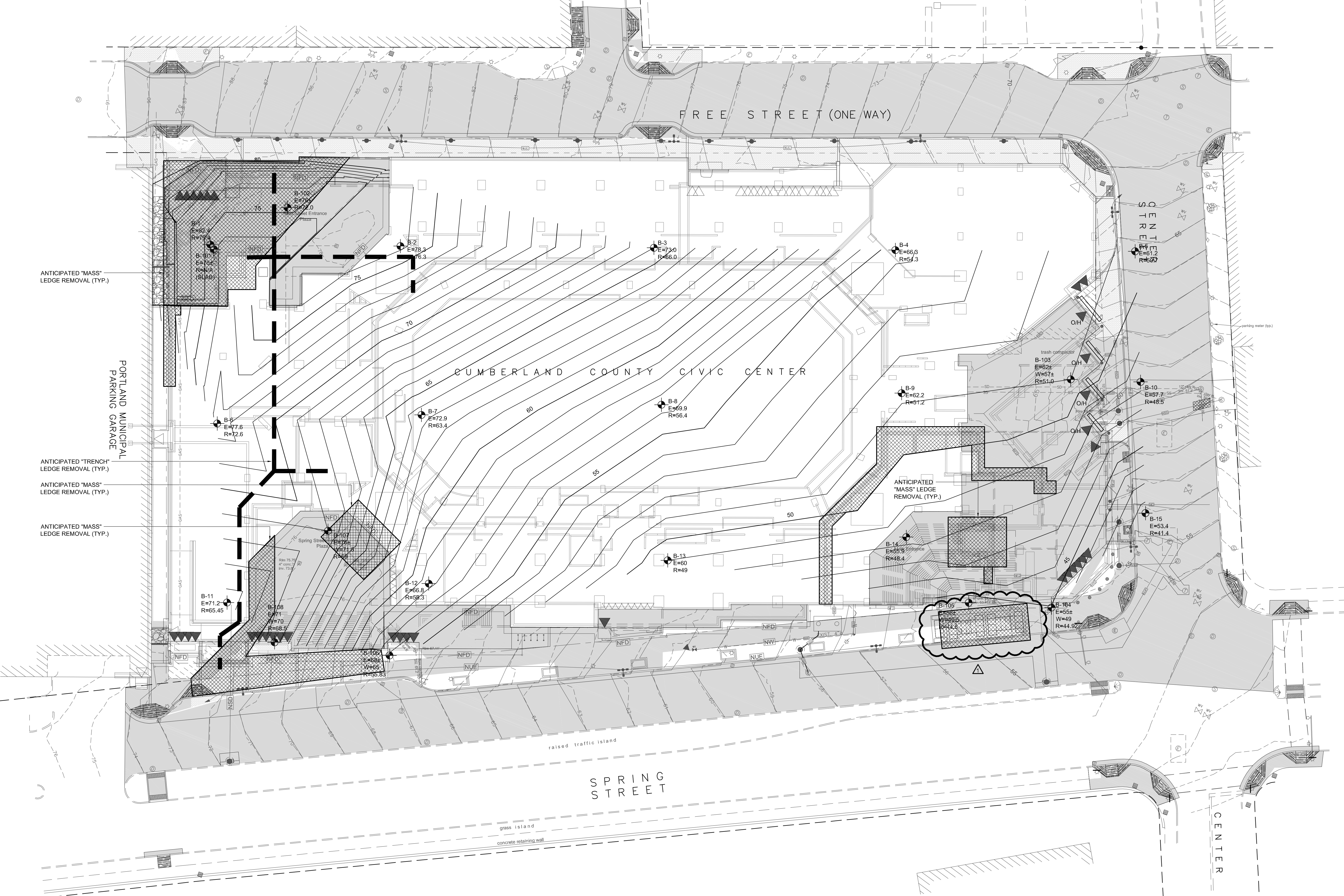
G7. REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON BLASTING NOTIFICATION, DRILL PATTERN LAYOUT AND SCHEDULING.

G8. INTERPRETIVE LEDGE PROFILE BASED ON A GEOTECHNICAL REPORT BY S.W. COLE ENGINEERING INC.

G9. BORING LOGS INCLUDED IN THE DRAWING SET.

G10. SEE SHEETS PH100 AND PH101 FOR PHASING OF CONSTRUCTION.

G11. REFER TO SHEET CD101 FOR ADDITIONAL INFORMATION.



ANTICIPATED "MASS" LEDGE REMOVAL (TYP.)

ANTICIPATED "TRENCH" LEDGE REMOVAL (TYP.)

ANTICIPATED "MASS" LEDGE REMOVAL (TYP.)

ANTICIPATED "MASS" LEDGE REMOVAL (TYP.)

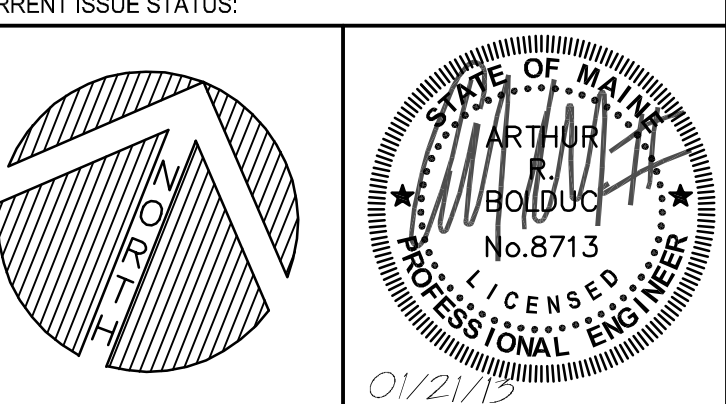
ANTICIPATED "MASS" LEDGE REMOVAL (TYP.)

LEGEND

EXISTING	PROPOSED
UTILITY POLE	UTILITY POLE
GRAY WIRE	GRAY WIRE
WATER SHUTOFF VALVE	SEWER MANHOLE
CATCH BASIN DRAIN MANHOLE	SEWER MANHOLE
SIGN	SEWER MANHOLE
TREE (HARDWOOD, SOFTWOOD)	SEWER MANHOLE
CONTOURS	CONTOURS
LEDGE CONTOURS	LEDGE CONTOURS
MASS LEDGE REMOVAL	MASS LEDGE REMOVAL
TRENCH LEDGE REMOVAL	TRENCH LEDGE REMOVAL

REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
0	NW ENTRY F.S.E CON DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01.21.2013



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BANGOR, MAINE 207-947-4818
ROCKLAND, MAINE 207-584-4818
SARASOTA, FLORIDA 941-375-2862

CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

SITE LEDGE REMOVALS PLAN

WBRC CAD FILE:	375700-SP101.DWG
PROJECT No.:	3757.00
SCALE:	1"=20'
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB
SHEET No.:	CD102

Jan 21, 2013 10:46am
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Portland, ME

475 Lincoln Street
Suite 110
Denver, Colorado 80202

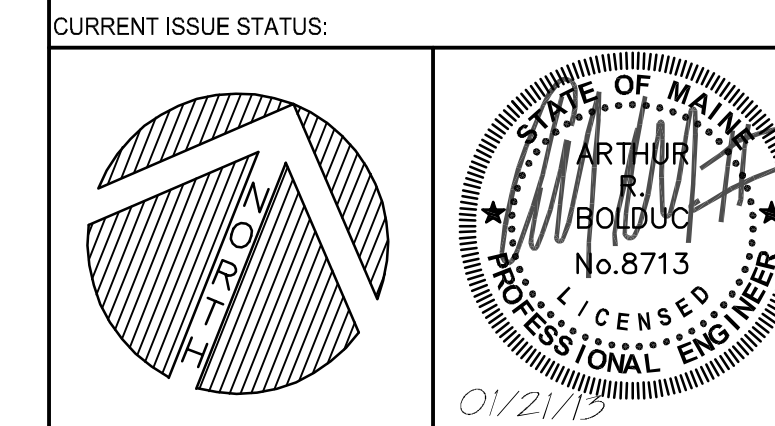
303.308.0200
FAX 303.552.0222

- LAYOUT NOTES:**
- SEE NOTES L1 THROUGH L3 ON SHEET 01006 FOR ADDITIONAL LAYOUT INFORMATION.
 - ALL CURB RADI SHALL BE 5' UNLESS OTHERWISE NOTED.
 - COORDINATE ALL SIDEWALK LOCATIONS WITH ARCH. AND STRUCTURAL DRAWINGS TO VERIFY NEW EXTERIOR DOOR LOCATIONS. FIELD ADJUST AS REQUIRED.
 - REFER TO STRUCTURAL SHEETS FOR NEW FOUNDATION LAYOUT. COORDINATE LAYOUT WITH FOUNDATION CONTRACTOR.
 - SEE SHEET CU101 FOR ADDITIONAL INFORMATION RELATED TO THE LAYOUT OF SITE LIGHTS AND UTILITY POLES AND THEIR RESPECTIVE CONDUIT AND WIRING. COORDINATE LAYOUT WITH THE ELECTRICAL CONTRACTOR.
 - ALL PROPOSED IMPROVEMENT WORK WITHIN THE STREET R.O.W. SHALL MEET THE CITY OF PORTLAND TECHNICAL MANUAL STANDARDS.
 - ALL PROPOSED SIDEWALK ADA HANDICAP RAMPS AND CROSSWALK LAYOUT AND LOCATIONS SHALL BE APPROVED PRIOR TO CONSTRUCTION BY THE CITY OF PORTLAND'S BIKE/PEDESTRIAN COORDINATOR BRUCE HYMAN (409-9243).
 - SEE SHEETS PH100 AND PH101 FOR PHASING OF CONSTRUCTION.
 - FINAL CROSSWALK MARKINGS SHALL BE APPROVED BY THE CITY OF PORTLAND TRAFFIC ENGINEER PRIOR TO COMPLETING WORK.

EXISTING	LEGEND	PROPOSED
	STREET LIGHTING	
	WATER SHUTOFF / GATE VALVE	
	ELECTRIC COMM. MANHOLE	
	PARKING METER	
	MANHOLE	
	SEWER MANHOLE	
	GAS SHUTOFF	
	CATCH BASIN	
	FIRE HYDRANT	
	SIGN	
	PAVEMENT	
	CONCRETE SIDEWALK	
	PAVER SIDEWALK	
	CIP CONCRETE RETAINING WALL	
	PROPERTY SETBACK	
	ABUTTING PROPERTY LINE	

REV.	DESCRIPTION	DATE
8	CONSTRUCTION DOCUMENTS	01-21-2013
7	SMR15	01-17-2013 (R)
6	RRR103	01-03-2013
5	NW ENTRY CONSTRUCTION DOCS	10-31-2012
4	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
3	ADDENDUM #2	09-21-2012
2	NW ENTRY F.S.E CON DOCS	08-23-2012
1	ADDENDUM #1	08-09-12 (R)

CONSTRUCTION DOCUMENTS 01.21.2013

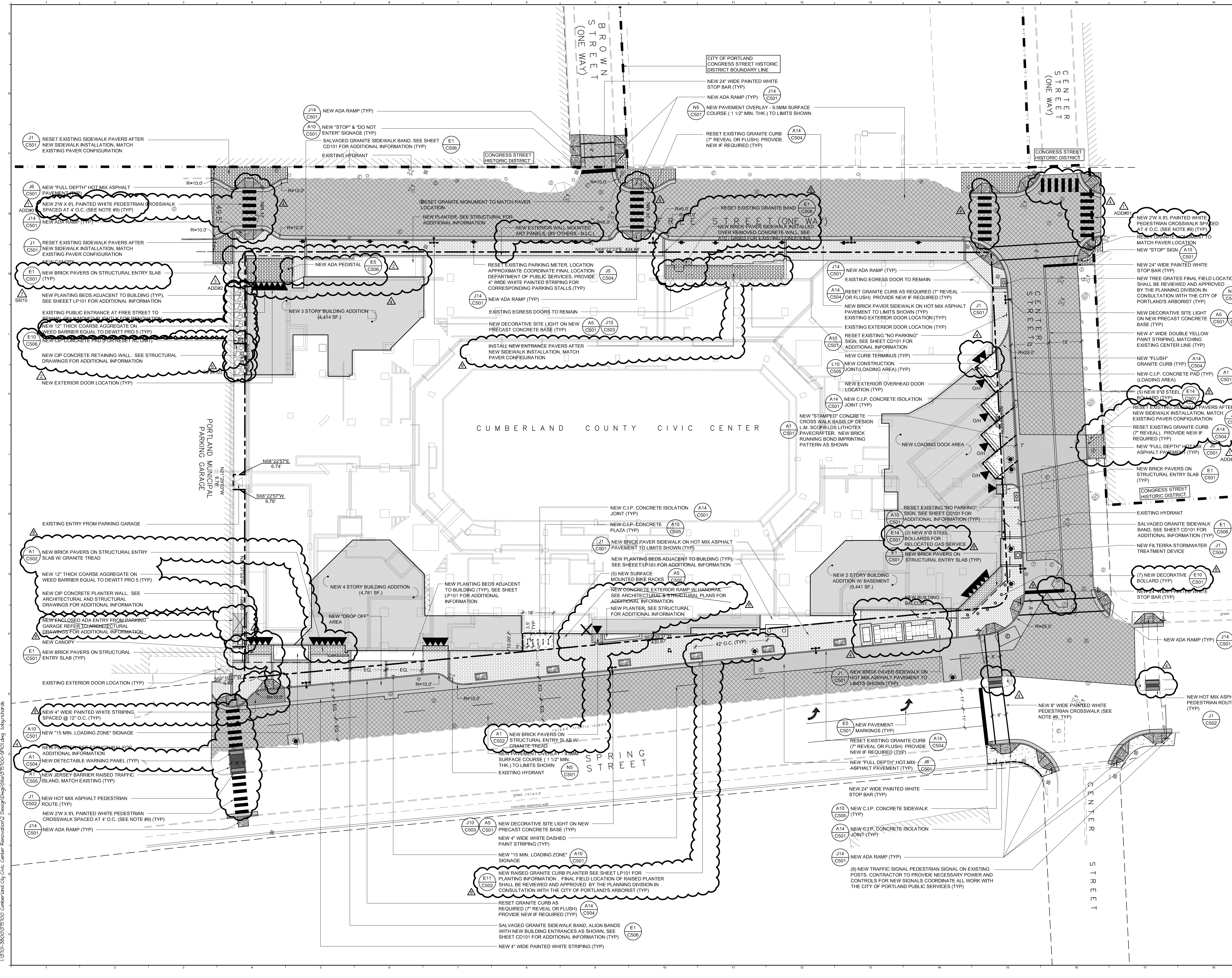


CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

SITE LAYOUT & MATERIALS PLAN

SHEET TITLE:	375700-SP101.DWG
WBRC CAD FILE:	3757.00
PROJECT NO.:	3757.00
SCALE:	1"=20'
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB
SHEET NO.:	CP101



1:10 1/2"=20' 01/21/13 10:15 AM Cumberland County Civic Center Renovation 2 Design\Drawings\375700-SP101.dwg lsbjrbz

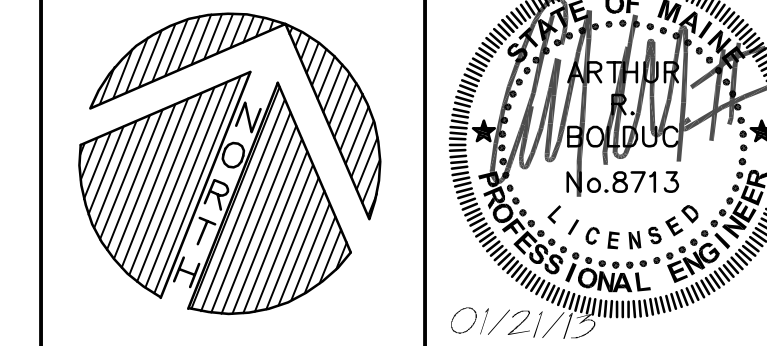
- GRADING NOTES:**
- SEE NOTES G1 THROUGH G8 ON SHEET G0006 FOR ADDITIONAL GRADING INFORMATION.
 - ALL DISTURBED AREAS NOT RECEIVING PAVEMENT SHALL BE PROVIDED WITH LOAM AND SEED PER THE CONTRACT DOCUMENTS.
 - PROPOSED GRADING SHOWN ON THIS PLAN IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY SHYKA, SHEPPARD & GARSTER LAND SURVEYORS.
 - TEST PIT LOCATION AND INFORMATION PROVIDED BY S.W. COLE ENGINEERING INC. AND IS LOCATED IN THE DRAWING SET.
 - SEE SHEETS PH100 AND PH101 FOR PHASING OF CONSTRUCTION.

EXISTING	LEGEND	PROPOSED
⊙	STREET LIGHTING	⊙
⊗	WATER SHUTOFF / GATE VALVE	⊗
⊕	ELECTRIC COMM. MANHOLE	⊕
⊙	PARKING METER	⊙
⊕	MANHOLE	⊕
⊕	SEWER MANHOLE	⊕
⊕	GAS SHUTOFF	⊕
⊕	CATCH BASIN	⊕
⊕	FIRE HYDRANT	⊕
⊕	SIGN	⊕
---	PAVEMENT	---
---	SIDEWALK	---
---	CIP CONCRETE RETAINING WALL	---
---	CONTOURS	---
---	TEMP. SALT INLET PROTECTION	---
---	PROPERTY SETBACK	---
---	PROPERTY LINE	---
---	ABUTTING PROPERTY LINE	---

REV.	DESCRIPTION	DATE
4	CONSTRUCTION DOCUMENTS	01-21-2013
3	NW ENTRY CONSTRUCTION DOCS	10-31-2012
2	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
1	ADDENDUM #2	09-21-2012
0	NW ENTRY F.S.E. CON DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01.21.2013

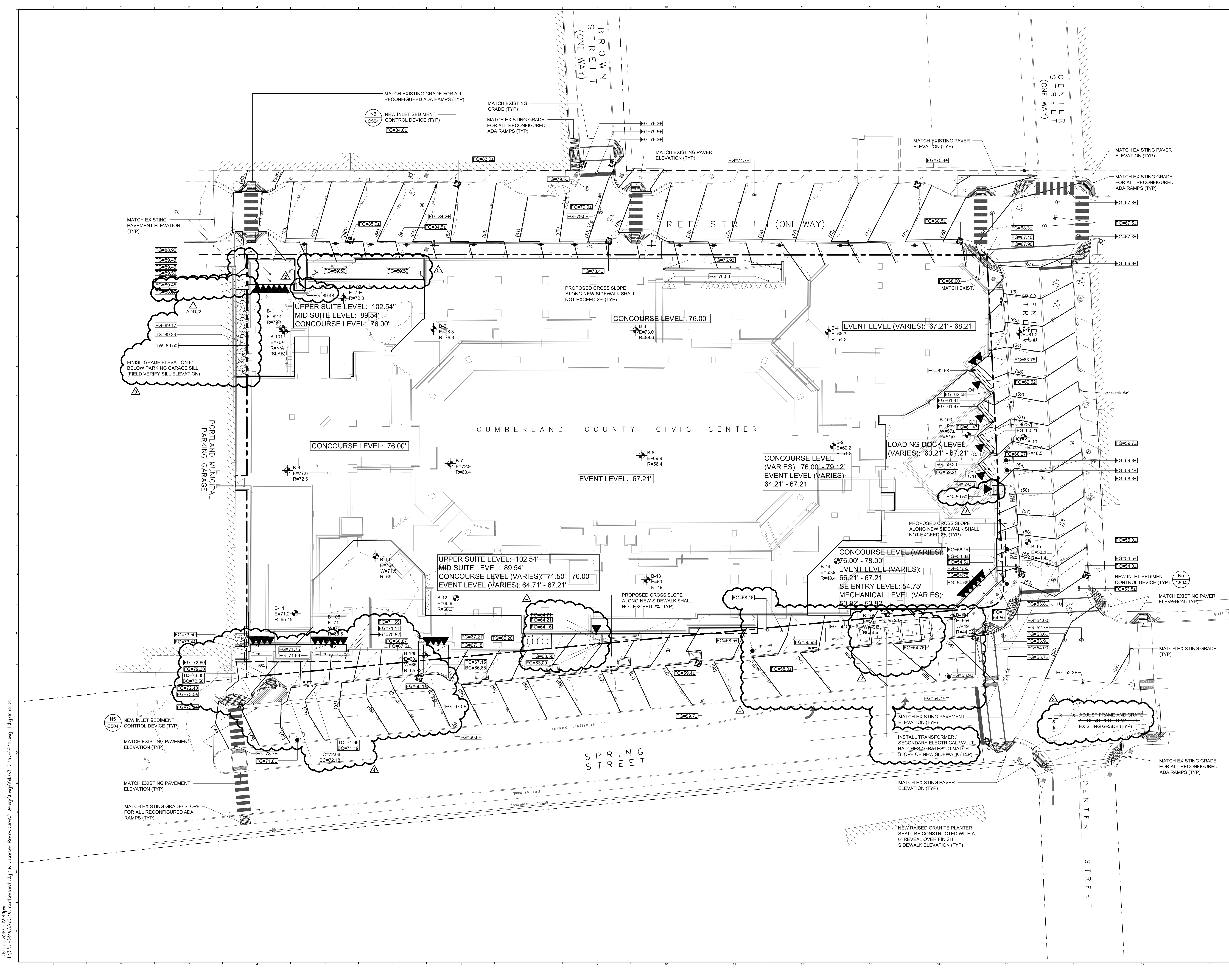
CURRENT ISSUE STATUS:



CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

SITE GRADING & EROSION CONTROL PLAN

SHEET TITLE	375700-SP101.DWG
WBRC CAD FILE	3757.00
PROJECT NO.	3757.00
SCALE	1"=20'
PROJECT MANAGER	MEJ
DRAWN BY	JWB
CHECKED BY	ARB
SHEET NO.	CG101



1:10' 10' 20' 30' 40' 50' 60' 70' 80' 90' 100' 110' 120' 130' 140' 150' 160' 170' 180' 190' 200' 210' 220' 230' 240' 250' 260' 270' 280' 290' 300' 310' 320' 330' 340' 350' 360' 370' 380' 390' 400' 410' 420' 430' 440' 450' 460' 470' 480' 490' 500' 510' 520' 530' 540' 550' 560' 570' 580' 590' 600' 610' 620' 630' 640' 650' 660' 670' 680' 690' 700' 710' 720' 730' 740' 750' 760' 770' 780' 790' 800' 810' 820' 830' 840' 850' 860' 870' 880' 890' 900' 910' 920' 930' 940' 950' 960' 970' 980' 990' 1000'

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 303.308.0200
 FAX 303.522.2222

- UTILITY NOTES:**
- SEE NOTES E1 THROUGH U8 ON SHEET 01006 FOR ADDITIONAL UTILITY INFORMATION.
 - ALL TRENCH EXCAVATION AND BACKFILL FOR ELECTRICAL SYSTEMS SHALL BE BY THE SITE CONTRACTOR. CONDUIT, PULL BOXES, RISER POLES, LIGHT BASES, ETC. SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. LIGHT POLES SHALL BE PROVIDED AND INSTALLED BY CMP.
 - SITE CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY PROPOSED WORK.
 - PROVIDE 4" MIN. RIGID INSULATION BETWEEN WATER LINE AND SANITARY SEWER LINE. EXTEND 8" IN ALL DIRECTIONS WHERE THEY CROSS.
 - DOMESTIC WATER DISTRIBUTION AND FIRE SUPPRESSION PIPING AND APPURTENANCES SHALL BE SUPPLIED AND INSTALLED BY SITE CONTRACTOR. ALL EXCAVATION AND BACKFILL REQUIRED FOR ANY PART OF THE WATER SUPPLY SYSTEM AND FIRE SUPPRESSION PIPING SHALL BE BY THE SITE CONTRACTOR. COORDINATE INSTALLATION OF PIPING WITH THE PLUMBING AND MECHANICAL CONTRACTORS. PIPING FOR NEW BUILDING SHALL BE SUPPLIED AND INSTALLED BY THE PLUMBING CONTRACTOR FROM THE BUILDING TO A COORDINATED POINT LOCATED 10' FROM THE BUILDING PENETRATION.
 - ALL NEW CATCH BASINS THAT DISCHARGE INTO THE CITY OF PORTLAND'S MUNICIPAL SYSTEM SHALL HAVE A 3' SUMP.
 - THE PROPOSED SIZE OF THE GREASE TRAP SHALL BE APPROVED BY PUBLIC SERVICES DEPARTMENT PRIOR TO INSTALLATION. (STEPHEN HARRIS 874-8943)
 - ALL PROPOSED SEWER MANHOLES SHALL MEET THE REQUIREMENTS OF SECTION II OF THE CITY OF PORTLAND'S TECHNICAL MANUAL AND CHANNEL CONFIGURATION SHALL BE APPROVED PRIOR TO AND AFTER CONSTRUCTION BY THE WASTEWATER COORDINATOR. (JOHN EMERSON 318-0239)
 - REFER TO DETAIL N11 C506 FOR CONCRETE STRUCTURE SCHEDULE.
 - SEE SHEETS PH100 AND PH101 FOR PHASING OF CONSTRUCTION.
 - ALL TEST PITS SHALL BE CONDUCTED PRIOR TO ORDERING ANY STRUCTURES OR PIPE. PROVIDE ALL TEST PIT ELEVATIONS TO THE ENGINEER FOR INVERT ELEVATION VERIFICATION.
 - REMOVE AND RESET EXISTING FRAMES AND GRATES AS NECESSARY TO MATCH PROPOSED GRADES AND CURB LINE.
 - SEE SHEET CU302 AND SHEET CU303 FOR UTILITY PLAN AND PROFILES.
 - CONTRACTOR SHALL COORDINATE W/COMP FOR SITE LIGHTING CONNECTION POINTS. CONTRACTOR SHALL ASSUME CONNECTION POINT IS 250 FEET FROM LAST POLE IN CIRCUIT.

EXISTING	LEGEND	PROPOSED	
	STREET LIGHTING		WATER SHUTOFF GATE VALVE
	ELECTRIC CONDUIT MANHOLE		PARKING METER
	SEWER MANHOLE		GAS SHUTOFF
	CATCH BASIN		FIRE HYDRANT
	SIGN		PAVEMENT
	SIDEWALK		CIP CONCRETE RETAINING WALL
	GAS TERMINATION MANHOLE		WATER TERMINATION MANHOLE
	FOOTING DRAIN		CLEANOUT
	SANITARY SEWER		UNDERGROUND ELECTRIC
	UNDERGROUND SECONDARY UNDERGROUND PRIMARY		PROPERTY SETBACK
	PROPERTY LINE		ABUTTING PROPERTY LINE

REV.	DESCRIPTION	DATE
6	CONSTRUCTION DOCUMENTS	01-21-2013
5	NW ENTRY CONSTRUCTION DOCS	10-31-2012
4	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
3	ADDENDUM #2	08-21-2012
2	NW ENTRY F.S.E CON DOCS	08-23-2012
1	ADDENDUM #1	08-09-12

CONSTRUCTION DOCUMENTS
 01.21.2013

CURRENT ISSUE STATUS:

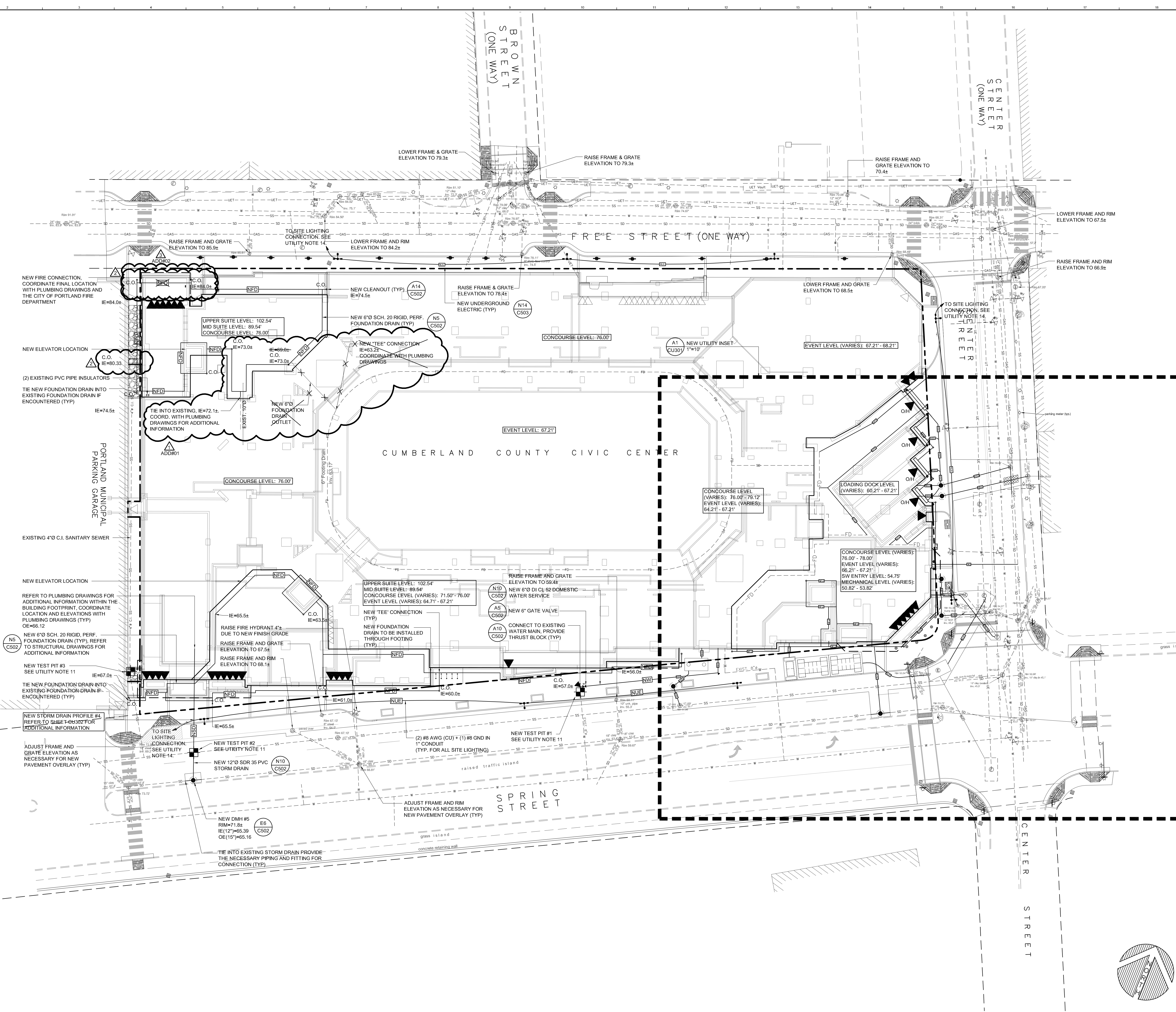
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
 PROJECT: PORTLAND, MAINE

SITE UTILITY PLAN

SHEET TITLE: 375700-SP101.DWG
 WBRC CAD FILE: 3757.00
 PROJECT NO.: 3757.00
 SCALE: 1"=20'
 PROJECT MANAGER: MEJ
 DRAWN BY: JWB
 CHECKED BY: ARB/SJL

GRAPHIC SCALE: 0' 10' 20' 30'
 SHEET NO.: CU101



Jan 21, 2013 12:52pm
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- UTILITY NOTES:**
- SEE NOTES E1 THROUGH U8 ON SHEET 0006 FOR ADDITIONAL UTILITY INFORMATION.
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 - SEE SHEET CU302 AND SHEET CU303 FOR UTILITY PLAN AND PROFILES.
 - CONTACT CENTRAL MAINE POWER COMPANY FOR TRANSFORMER VAULT CONTRACT DRAWINGS.

REV.	DESCRIPTION	DATE
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1	ADDENDUM #1	08.09.12 (R)

CONSTRUCTION DOCUMENTS
01.21.2013

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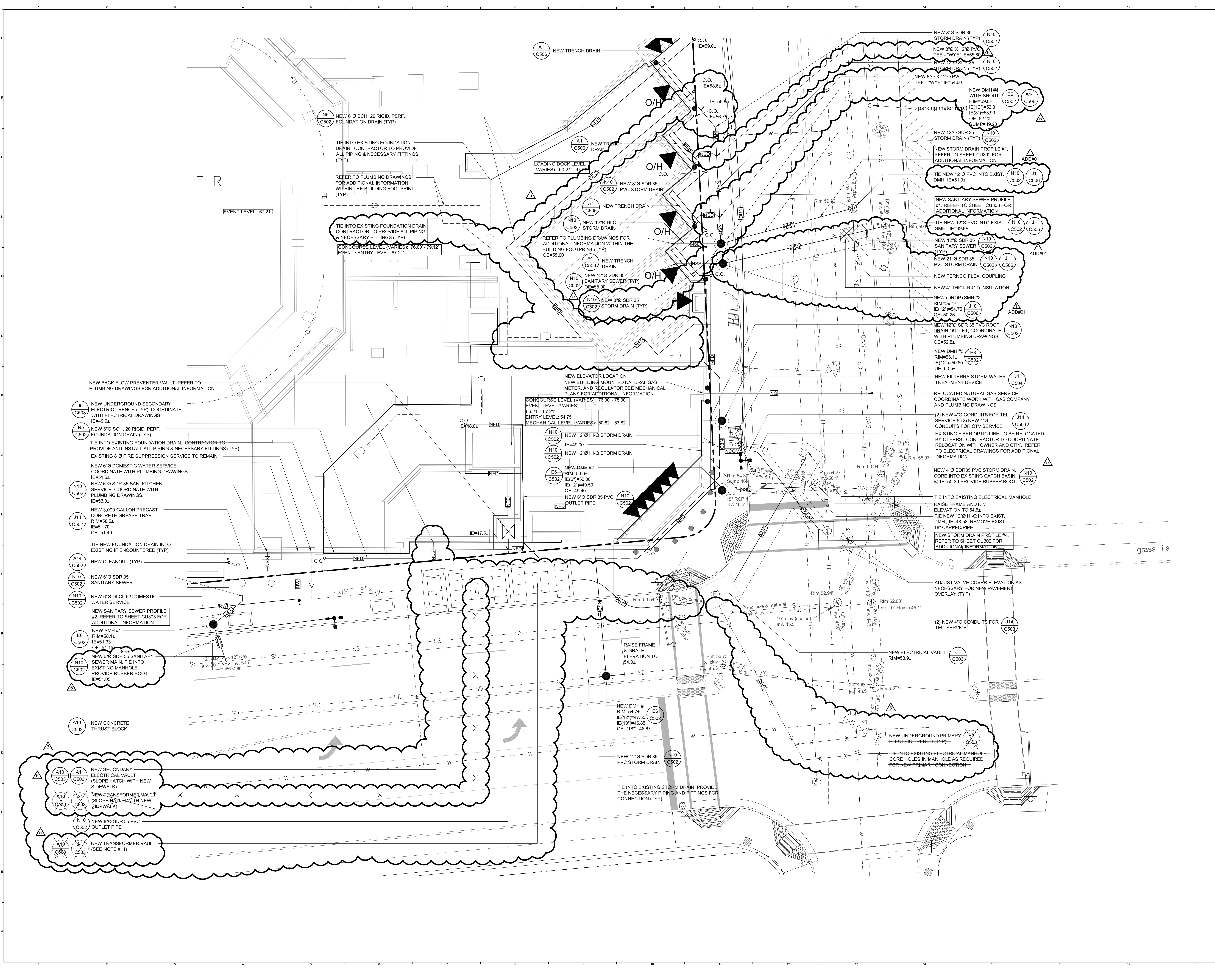
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

SITE LARGE SCALE UTILITY PLAN

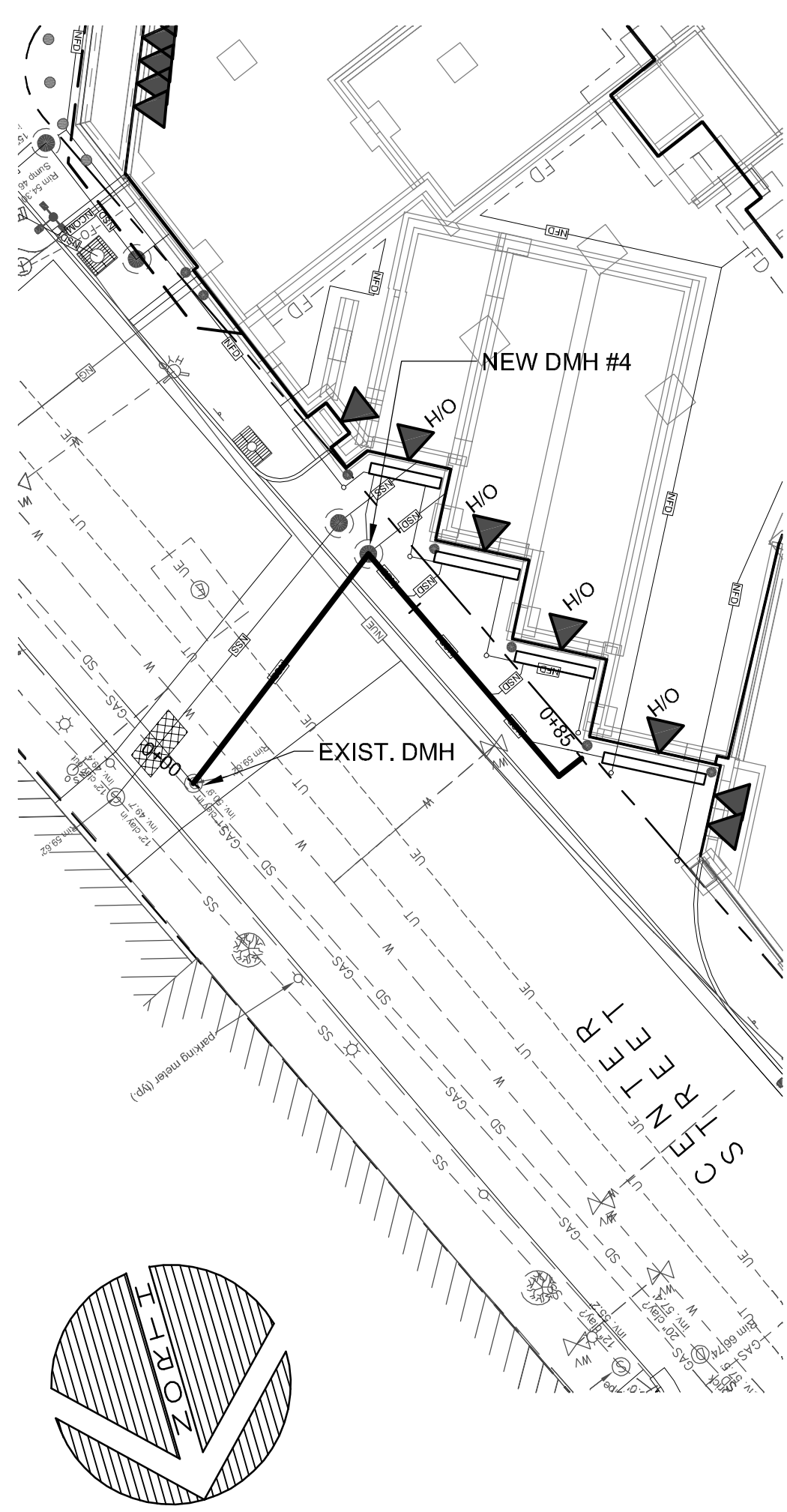
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PROJECT No.:	3757.00
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PROJECT MANAGER:	MEJ
DRAWN BY:	TAR
CHECKED BY:	ARB/SJL
SHEET No.:	CU301



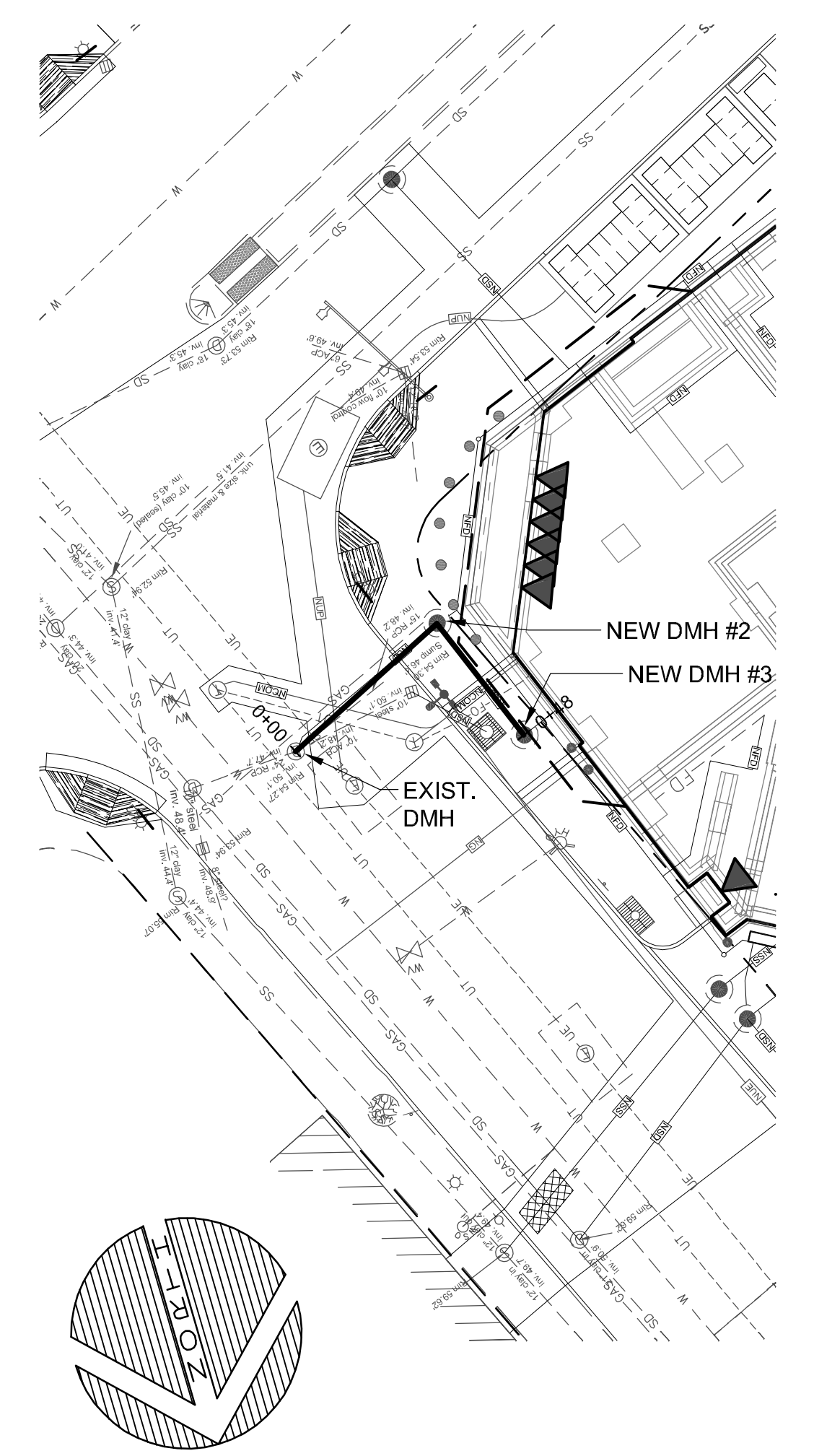
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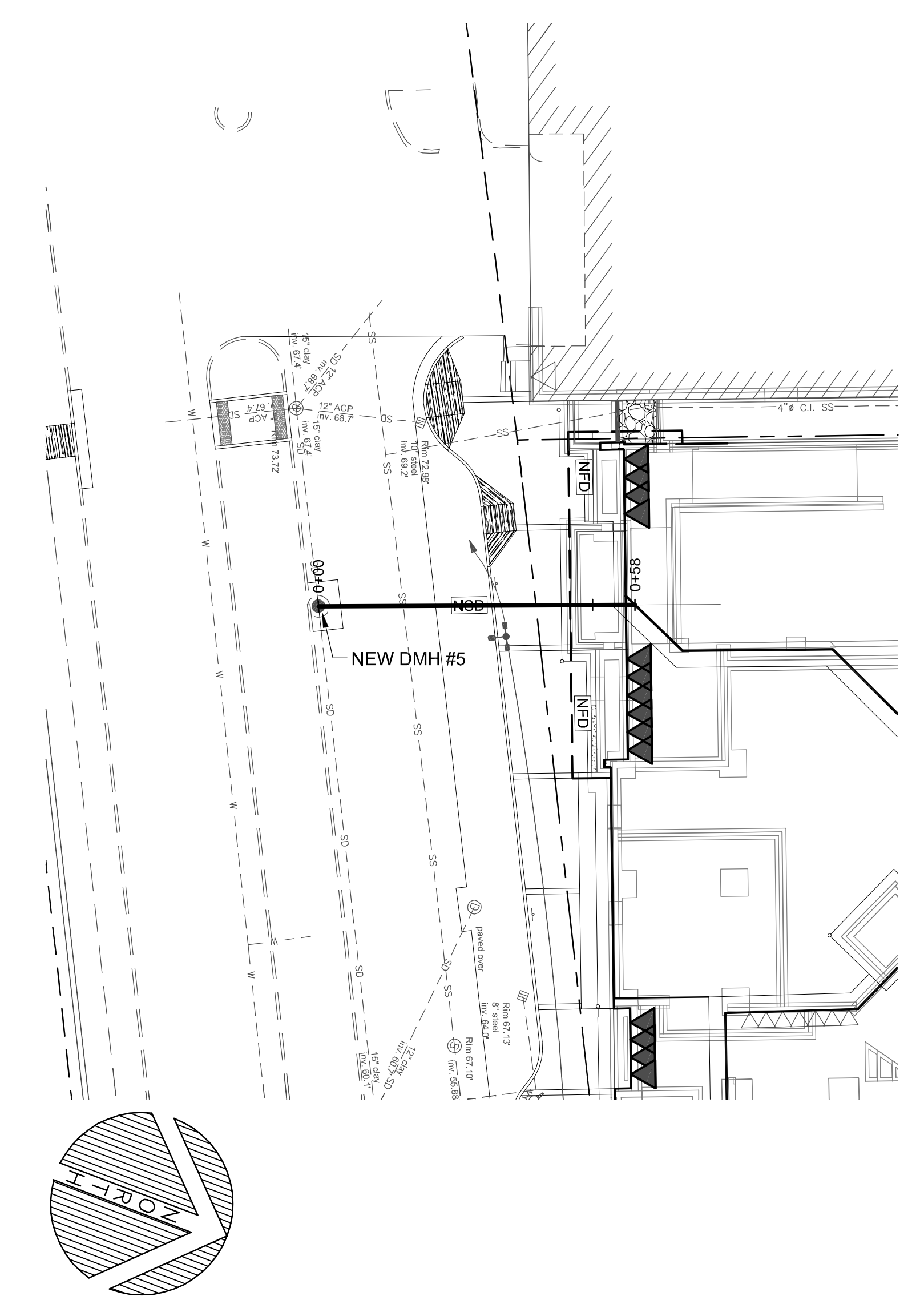
J1 PLAN VIEW: NEW STORM DRAIN #1
SCALE: 1"=20'



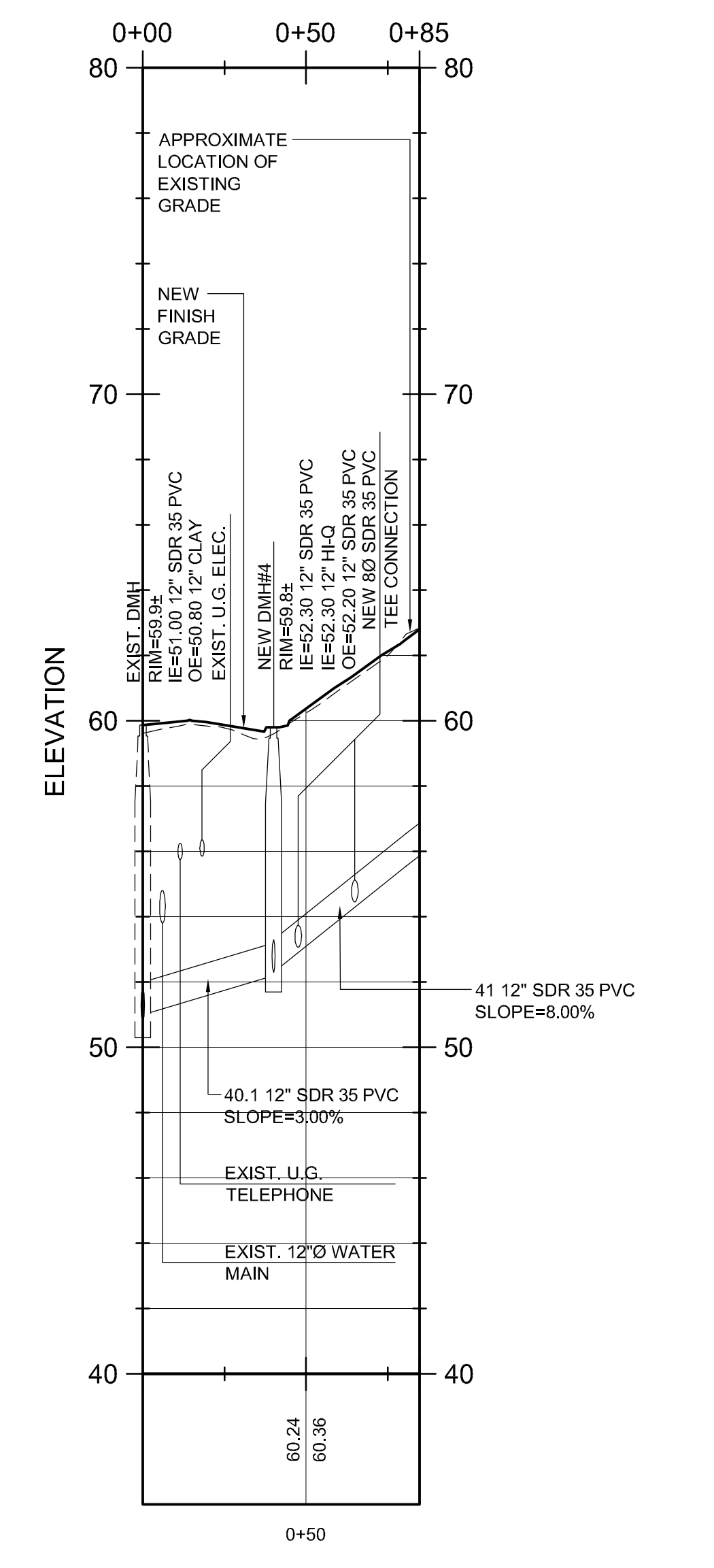
J5 PLAN VIEW: NEW STORM DRAIN #2
SCALE: 1"=20'

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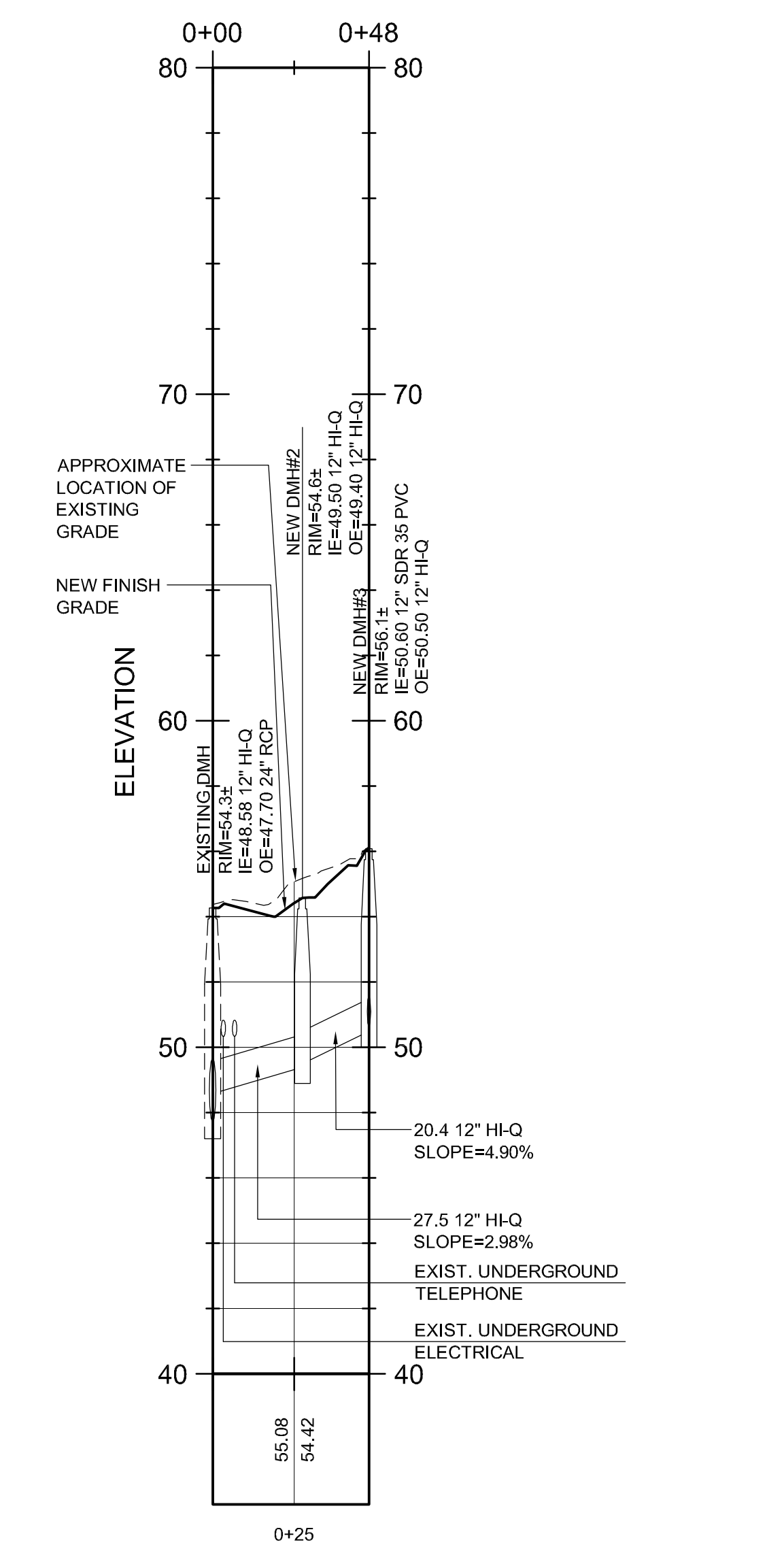
J9



J14 PLAN VIEW: NEW STORM DRAIN #4
SCALE: 1"=20'



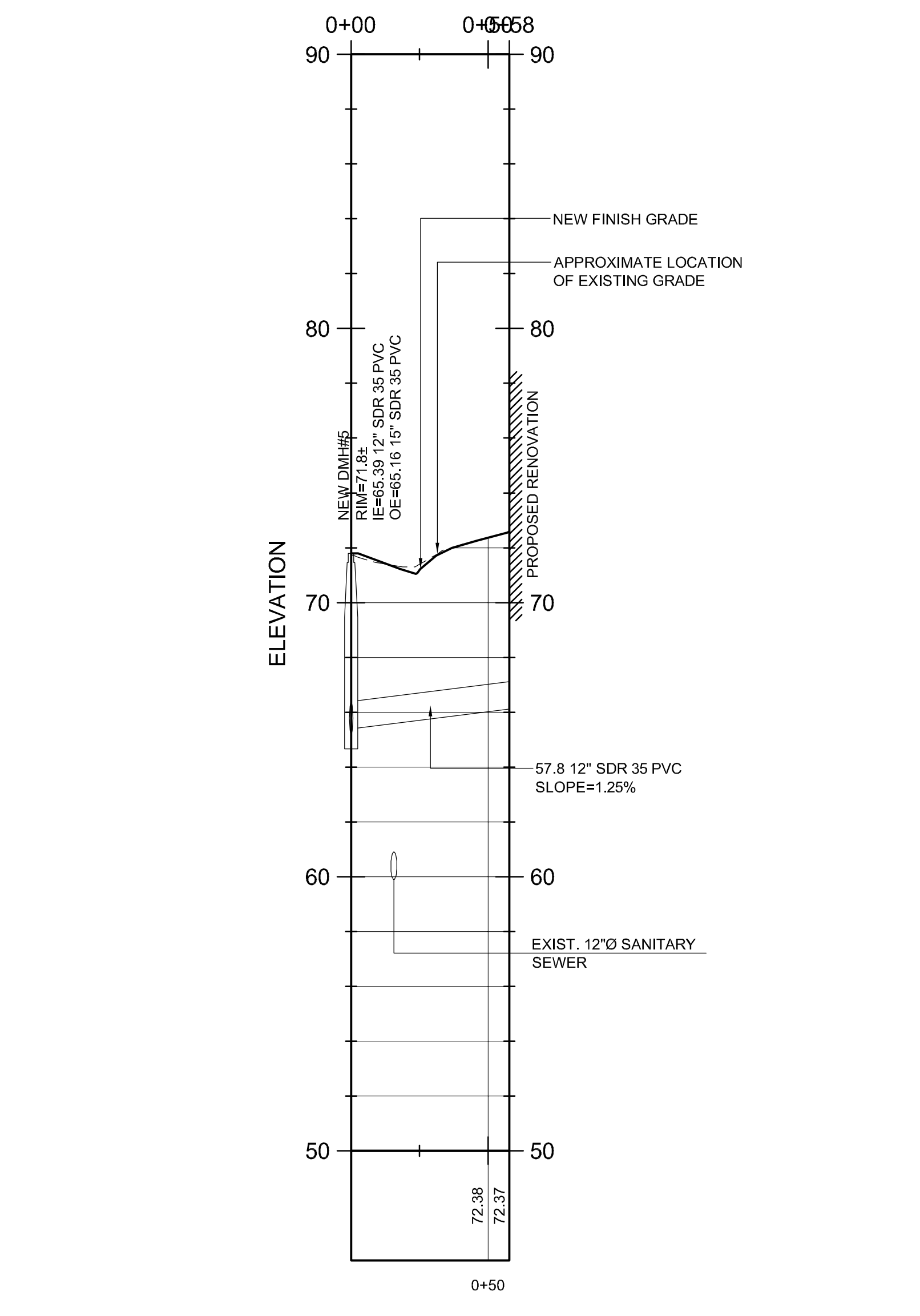
A1 PLAN VIEW: NEW STORM DRAIN #1
SCALE: 1"=4' VERTICAL, 1"=40' HORIZONTAL



A5 PLAN VIEW: NEW STORM DRAIN #2
SCALE: 1"=4' VERTICAL, 1"=40' HORIZONTAL

~NOT USED~

A9

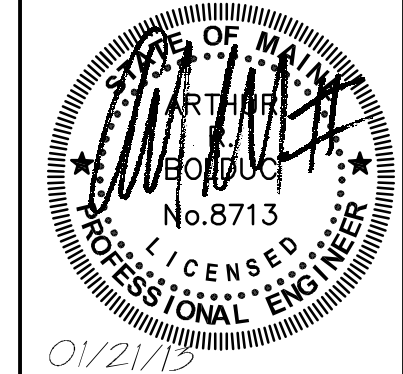


A14 PLAN VIEW: NEW STORM DRAIN #4
SCALE: 1"=4' VERTICAL, 1"=40' HORIZONTAL

REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
0	NW ENTRY F.S.E CON DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01.21.2013

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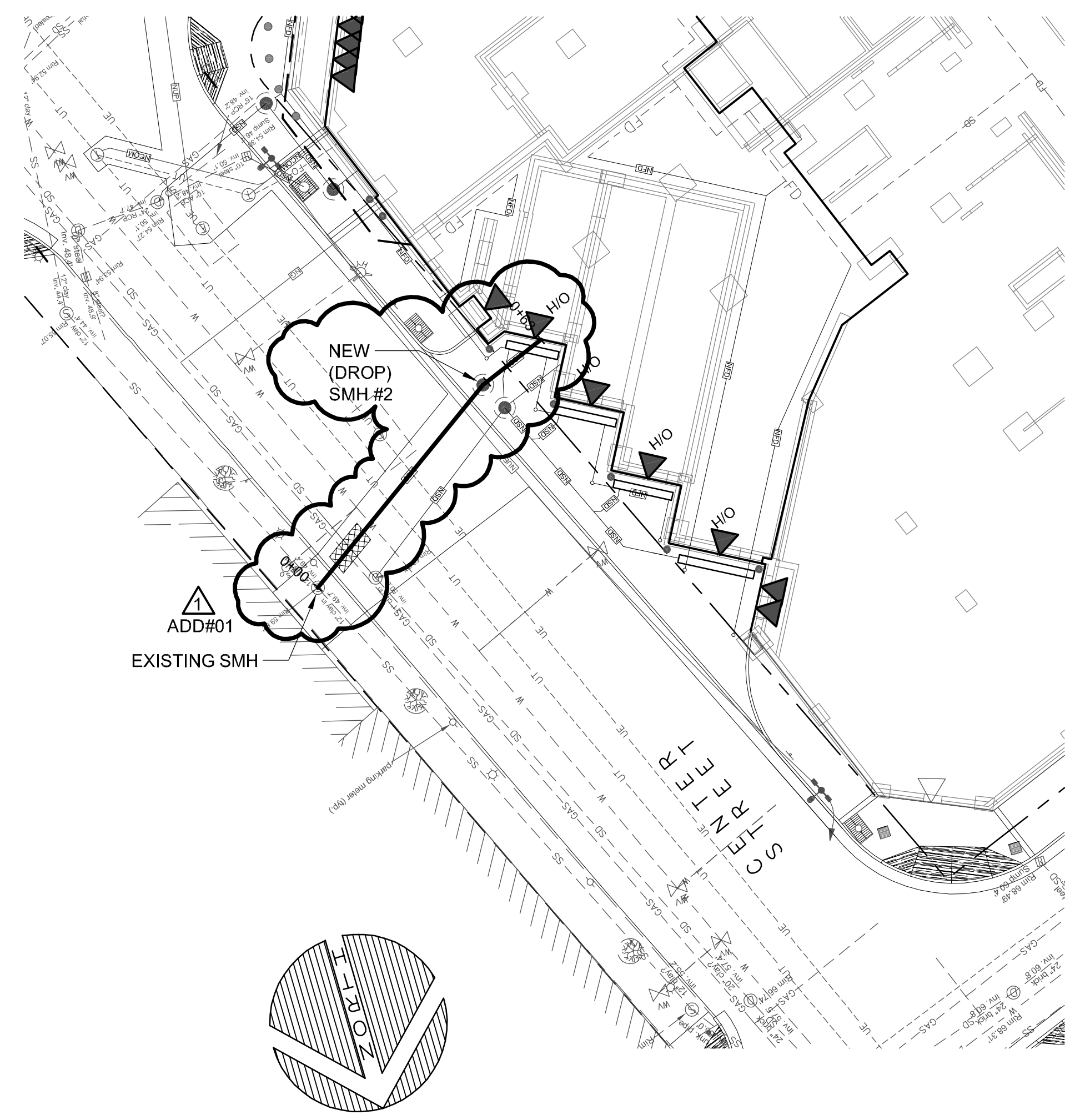
CUMBERLAND COUNTY
CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

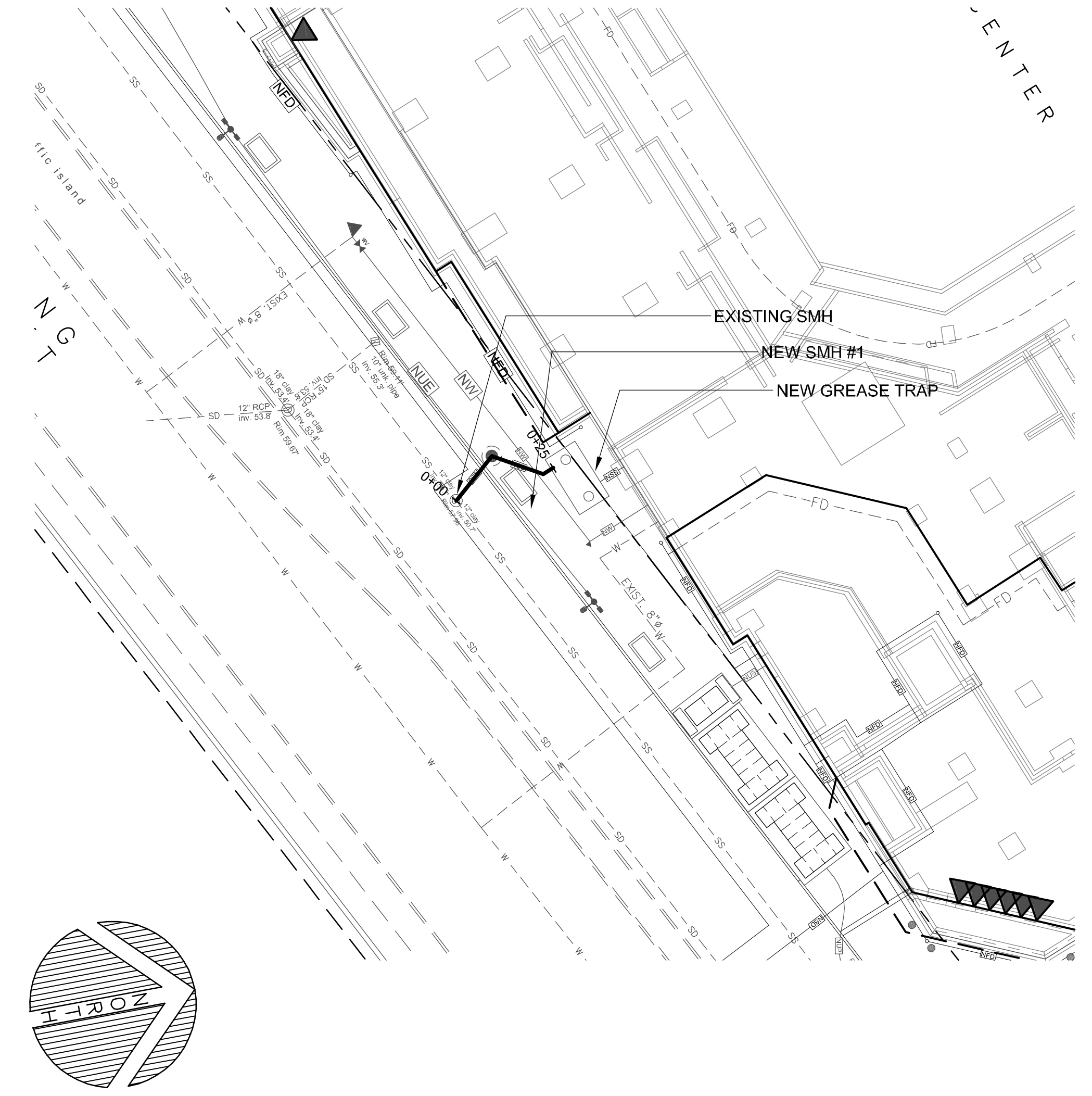
SITE UTILITY
PLAN & PROFILE

SHEET TITLE:	SITE UTILITY PLAN & PROFILE	SHEET NO.:	CU302
WBRC CAD FILE:	375700-CU302.DWG	SCALE:	AS NOTED
PROJECT NO.:	3757.00	DRAWN BY:	TAR
SCALE:	AS NOTED	CHECKED BY:	ARB

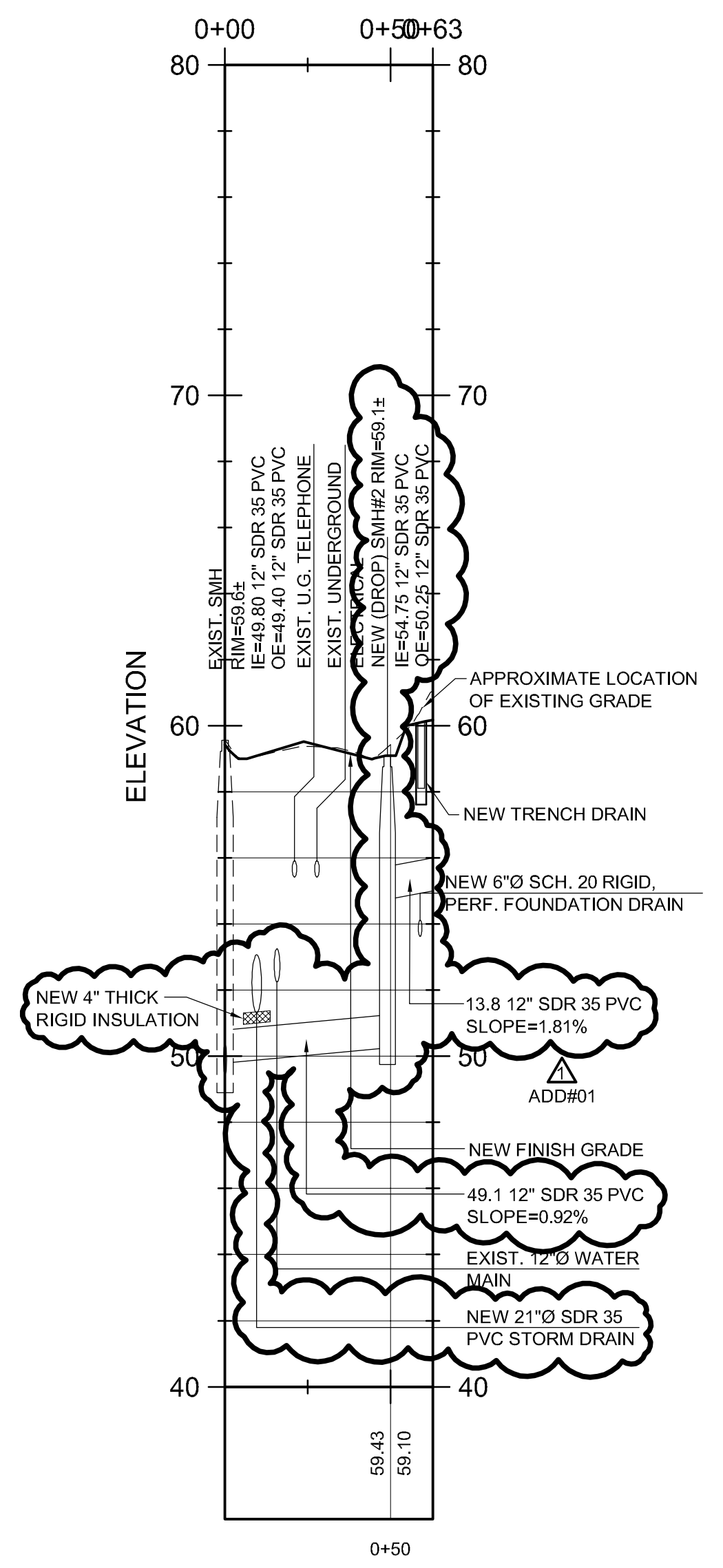
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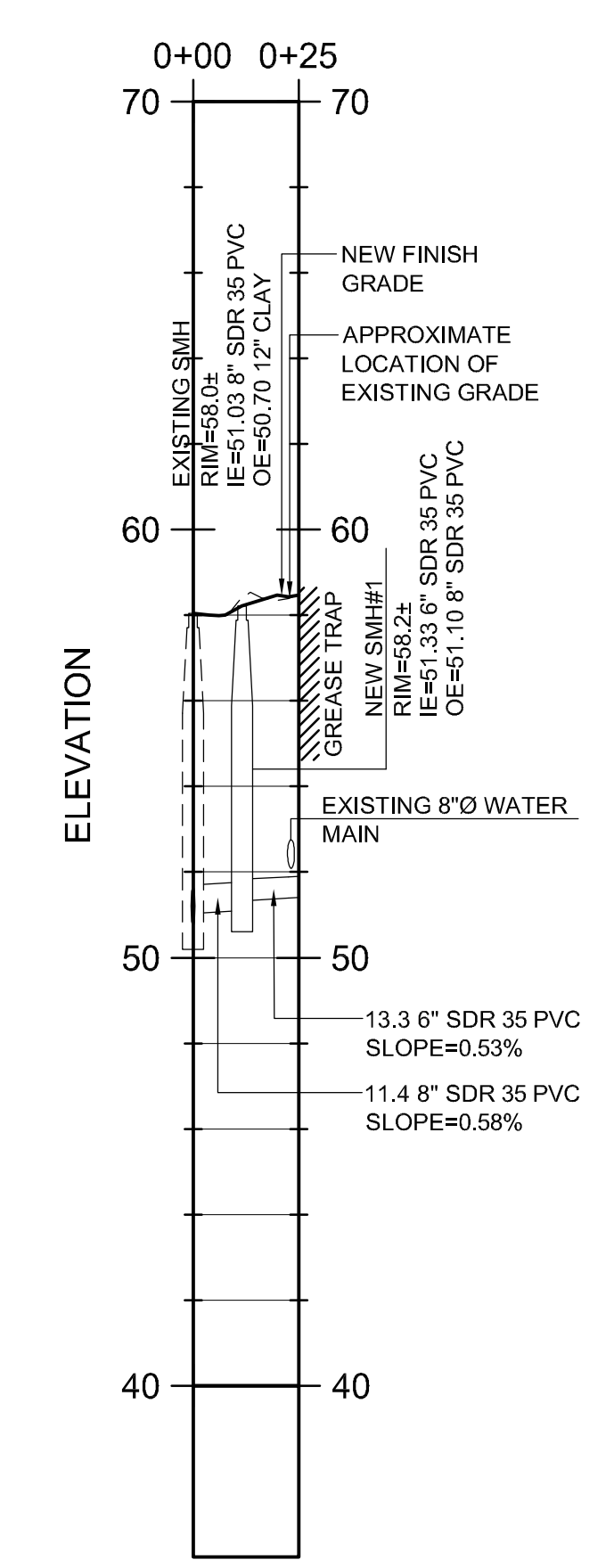
J1 PLAN VIEW: NEW SANITARY SEWER #1
SCALE: 1"=20'



J9 PLAN VIEW: NEW SANITARY SEWER #2
SCALE: 1"=20'



A1 PLAN VIEW: NEW SANITARY SEWER #1
SCALE: 1"=4' VERTICAL 1"=40' HORIZONTAL

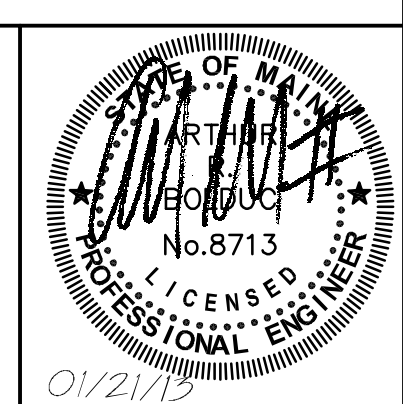


A9 PLAN VIEW: NEW SANITARY SEWER #2
SCALE: 1"=4' VERTICAL 1"=40' HORIZONTAL

REV.	DESCRIPTION	DATE
5	CONSTRUCTION DOCUMENTS	01-21-2013
4	NW ENTRY CONSTRUCTION DOCS	10-31-2012
3	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
2	NW ENTRY F.S.E CON DOCS	08-23-2012
1	ADDENDUM #1	08.09.12 (R)

CONSTRUCTION DOCUMENTS
01.21.2013

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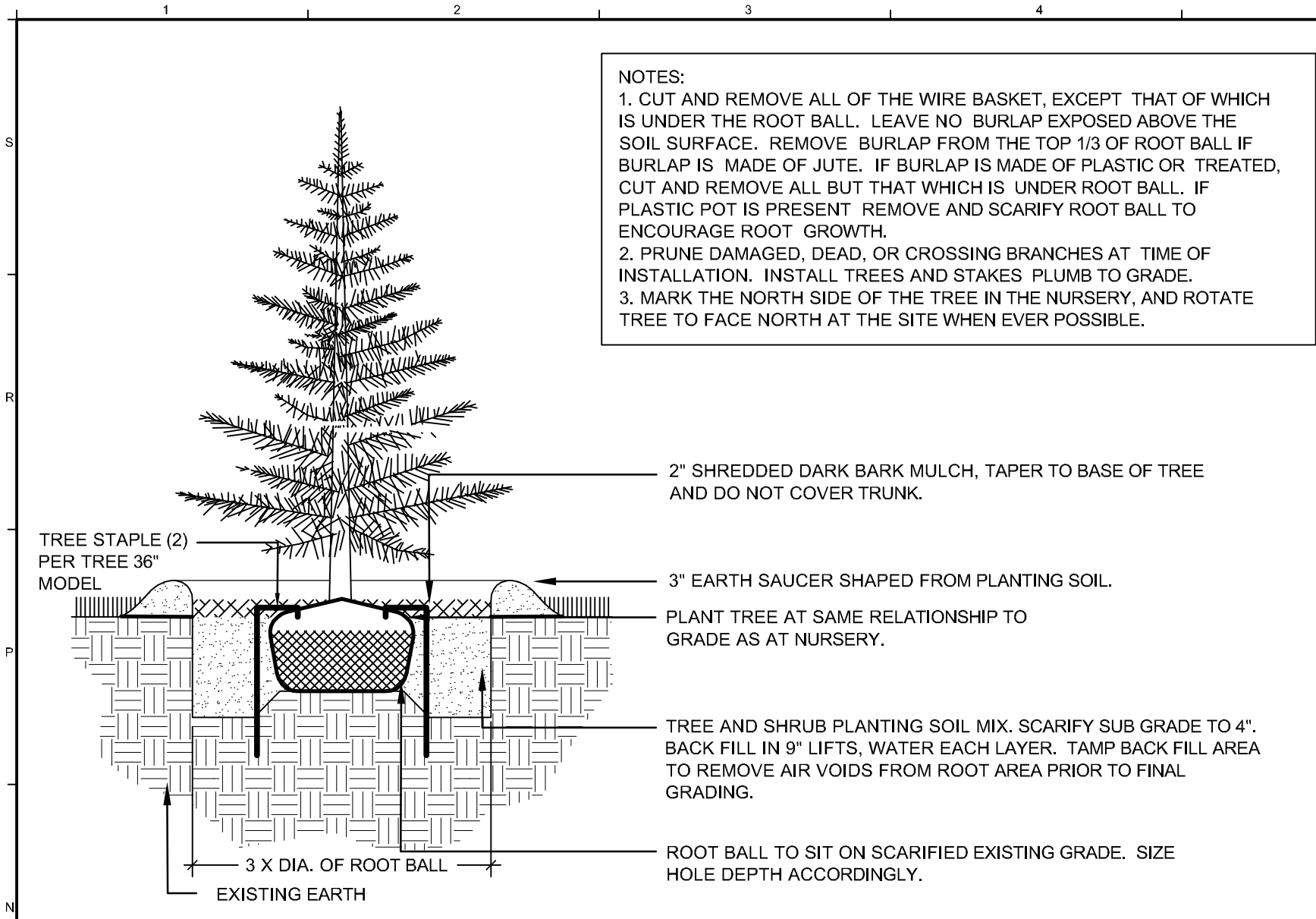
**CUMBERLAND COUNTY
CIVIC CENTER RENOVATION**
PROJECT: PORTLAND, MAINE

**SITE UTILITY
PLAN & PROFILE**

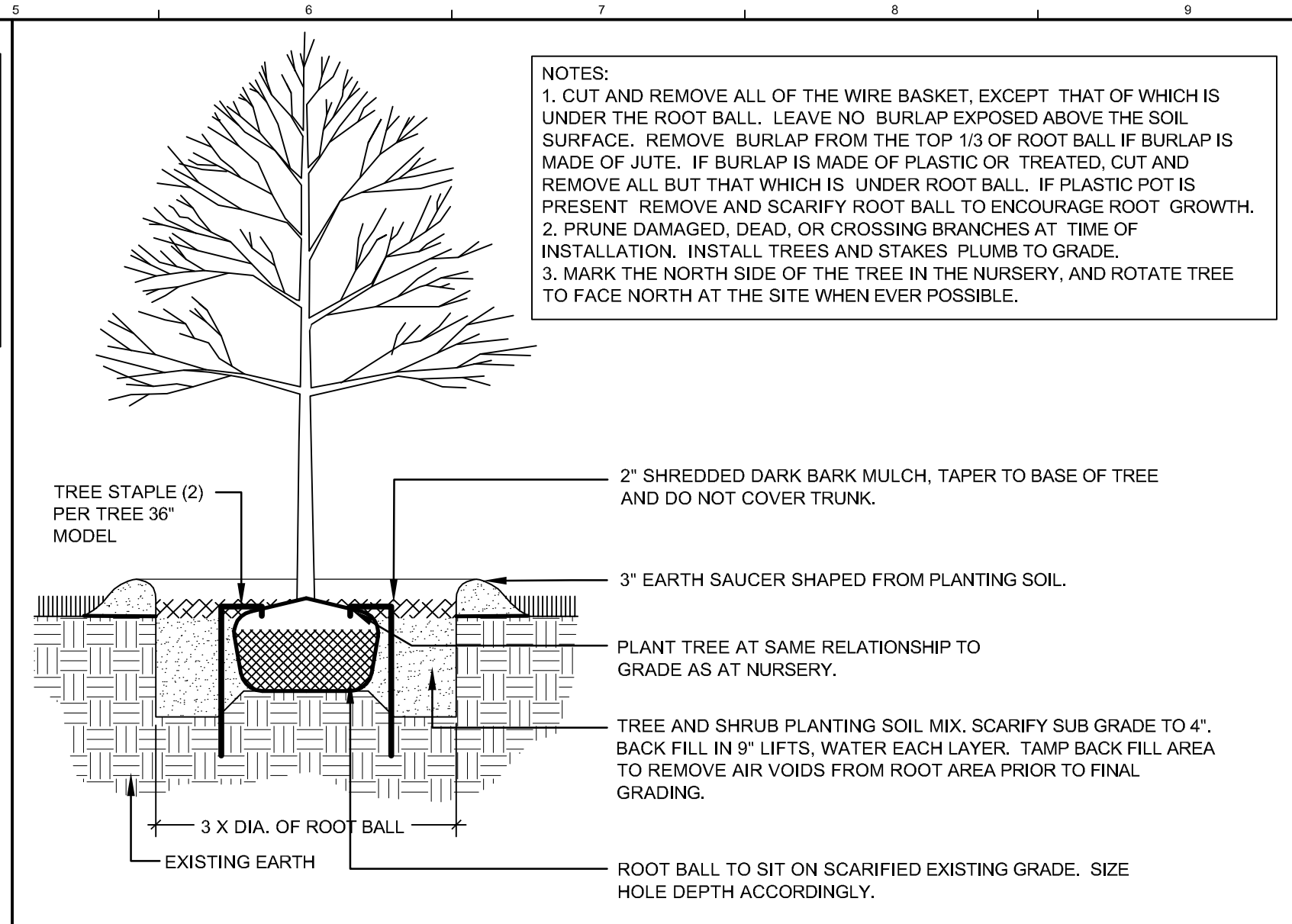
SHEET TITLE:	375700-CU302.DWG
WBRC CAD FILE:	3757.00
PROJECT NO.:	3757.00
SCALE:	AS NOTED
PROJECT MANAGER:	MEJ
DRAWN BY:	TAR
CHECKED BY:	ARB

SHEET NO. **CU303**

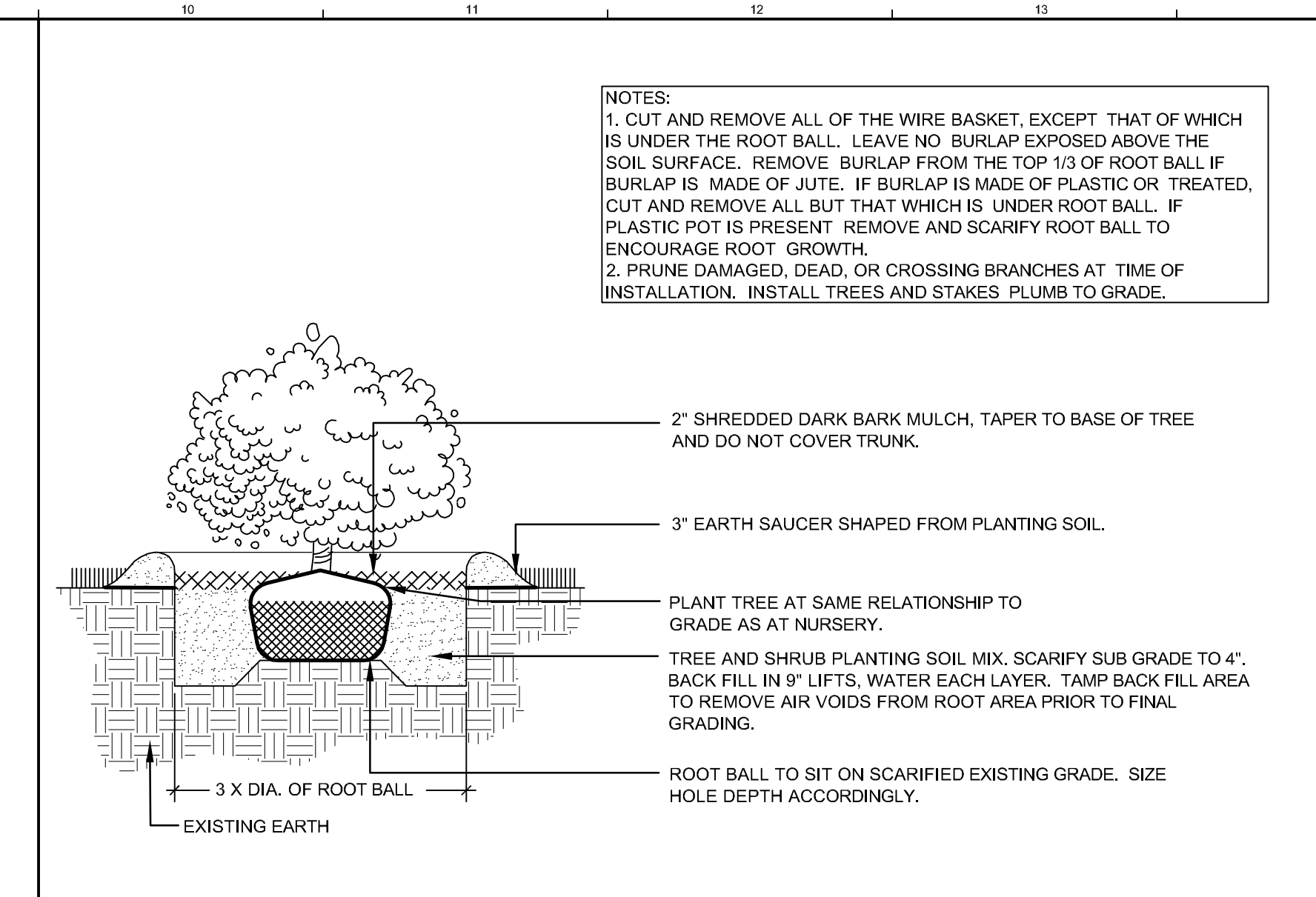
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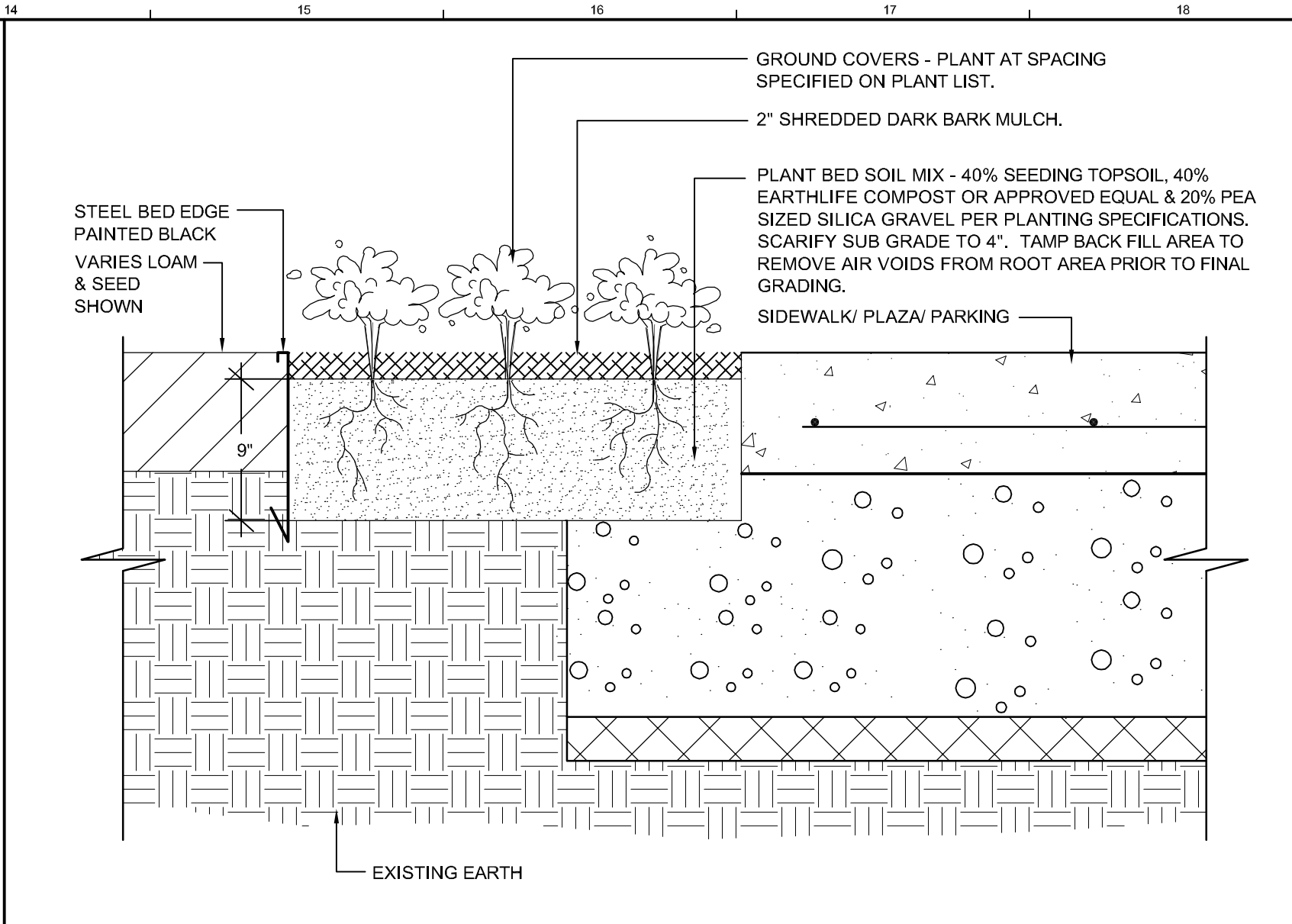
M1 CONIFEROUS TREE
NO SCALE



M5 DECIDUOUS TREE
NO SCALE

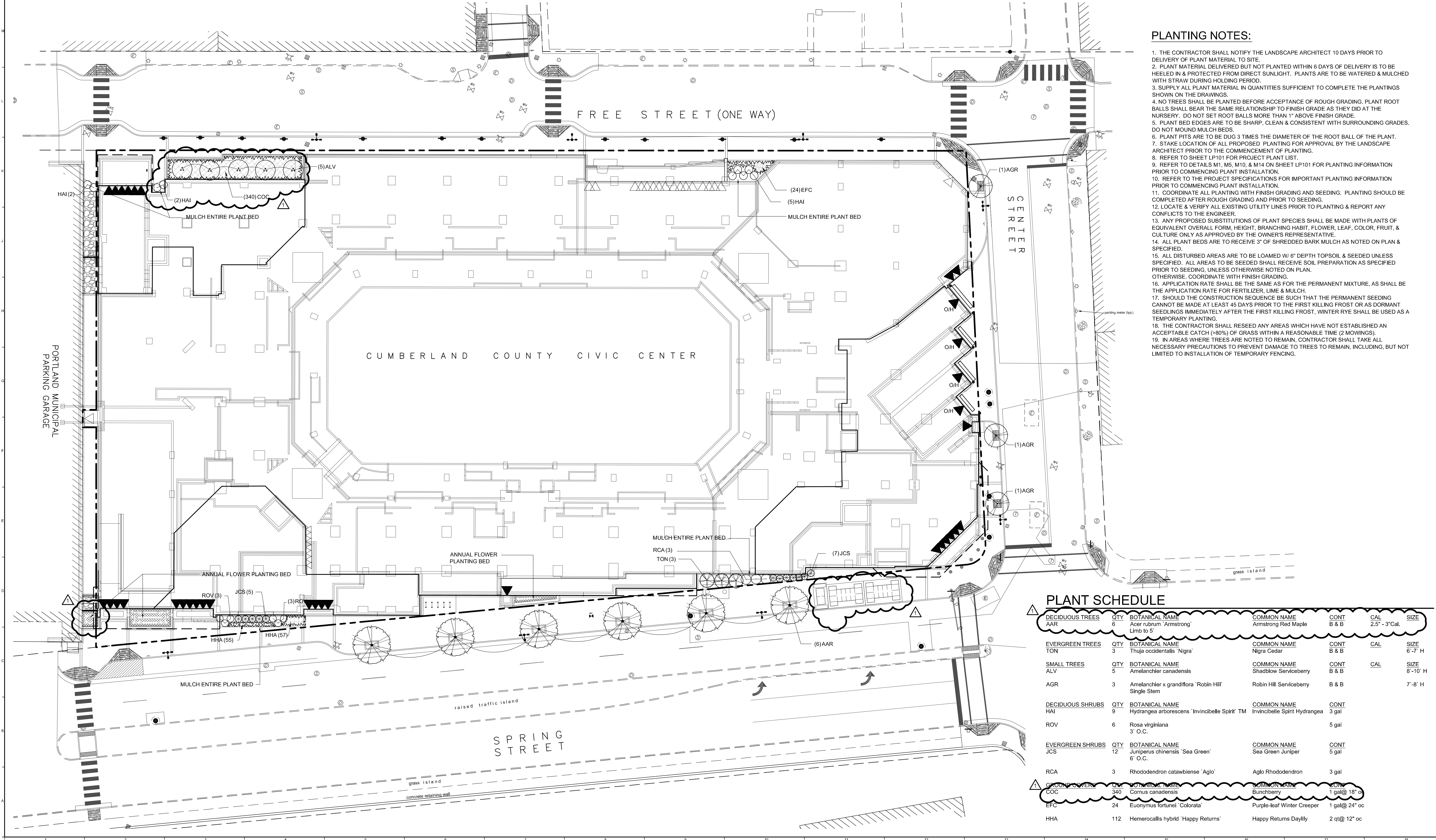


M10 SHRUB
NO SCALE



M14 GROUND COVER
NO SCALE

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- PLANTING NOTES:**
1. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT 10 DAYS PRIOR TO DELIVERY OF PLANT MATERIAL TO SITE.
 2. PLANT MATERIAL DELIVERED BUT NOT PLANTED WITHIN 6 DAYS OF DELIVERY IS TO BE HELED IN & PROTECTED FROM DIRECT SUNLIGHT. PLANTS ARE TO BE WATERED & MULCHED WITH STRAW DURING HOLDING PERIOD.
 3. SUPPLY ALL PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTINGS SHOWN ON THE DRAWINGS.
 4. NO TREES SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING. PLANT ROOT BALLS SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS THEY DID AT THE NURSERY. DO NOT SET ROOT BALLS MORE THAN 1" ABOVE FINISH GRADE.
 5. PLANT BED EDGES ARE TO BE SHARP, CLEAN & CONSISTENT WITH SURROUNDING GRADES. DO NOT MOUND MULCH BEDS.
 6. PLANT PITS ARE TO BE DUG 3 TIMES THE DIAMETER OF THE ROOT BALL OF THE PLANT.
 7. STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.
 8. REFER TO SHEET LP101 FOR PROJECT PLANT LIST.
 9. REFER TO DETAILS M1, M5, M10, & M14 ON SHEET LP101 FOR PLANTING INFORMATION PRIOR TO COMMENCING PLANT INSTALLATION.
 10. REFER TO THE PROJECT SPECIFICATIONS FOR IMPORTANT PLANTING INFORMATION PRIOR TO COMMENCING PLANT INSTALLATION.
 11. COORDINATE ALL PLANTING WITH FINISH GRADING AND SEEDING. PLANTING SHOULD BE COMPLETED AFTER ROUGH GRADING AND PRIOR TO SEEDING.
 12. LOCATE & VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING & REPORT ANY CONFLICTS TO THE ENGINEER.
 13. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT, & CULTURE ONLY AS APPROVED BY THE OWNER'S REPRESENTATIVE.
 14. ALL PLANT BEDS ARE TO RECEIVE 3" OF SHREDDED BARK MULCH AS NOTED ON PLAN & SPECIFIED.
 15. ALL DISTURBED AREAS ARE TO BE LOAMED W/ 6" DEPTH TOPSOIL & SEEDED UNLESS SPECIFIED. ALL AREAS TO BE SEEDED SHALL RECEIVE SOIL PREPARATION AS SPECIFIED PRIOR TO SEEDING, UNLESS OTHERWISE NOTED ON PLAN.
 16. APPLICATION RATE SHALL BE THE SAME AS FOR THE PERMANENT MIXTURE, AS SHALL BE THE APPLICATION RATE FOR FERTILIZER, LIME & MULCH.
 17. SHOULD THE CONSTRUCTION SEQUENCE BE SUCH THAT THE PERMANENT SEEDING CANNOT BE MADE AT LEAST 45 DAYS PRIOR TO THE FIRST KILLING FROST OR AS DORMANT SEEDLINGS IMMEDIATELY AFTER THE FIRST KILLING FROST, WINTER RYE SHALL BE USED AS A TEMPORARY PLANTING.
 18. THE CONTRACTOR SHALL RESEED ANY AREAS WHICH HAVE NOT ESTABLISHED AN ACCEPTABLE CATCH (~80%) OF GRASS WITHIN A REASONABLE TIME (2 MOWINGS).
 19. IN AREAS WHERE TREES ARE NOTED TO REMAIN, CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO TREES TO REMAIN, INCLUDING, BUT NOT LIMITED TO INSTALLATION OF TEMPORARY FENCING.

EXISTING	LEGEND	PROPOSED
	STREET LIGHTING	
	BUILDING LIGHTING	
	WATER SHUTOFF / GATE VALVE	
	ELECTRO COMP. MANHOLE	
	PARKING METER	
	MANHOLE	
	SEWER MANHOLE	
	GAS SHUTOFF	
	CATCH BASIN	
	FIRE HYDRANT	
	SIGN	
	PAVEMENT	
	SIDEWALK	
	CP CONCRETE RETAINING WALL	
	PROPERTY SETBACK	
	PROPERTY LINE	
	ABUTTING PROPERTY LINE	

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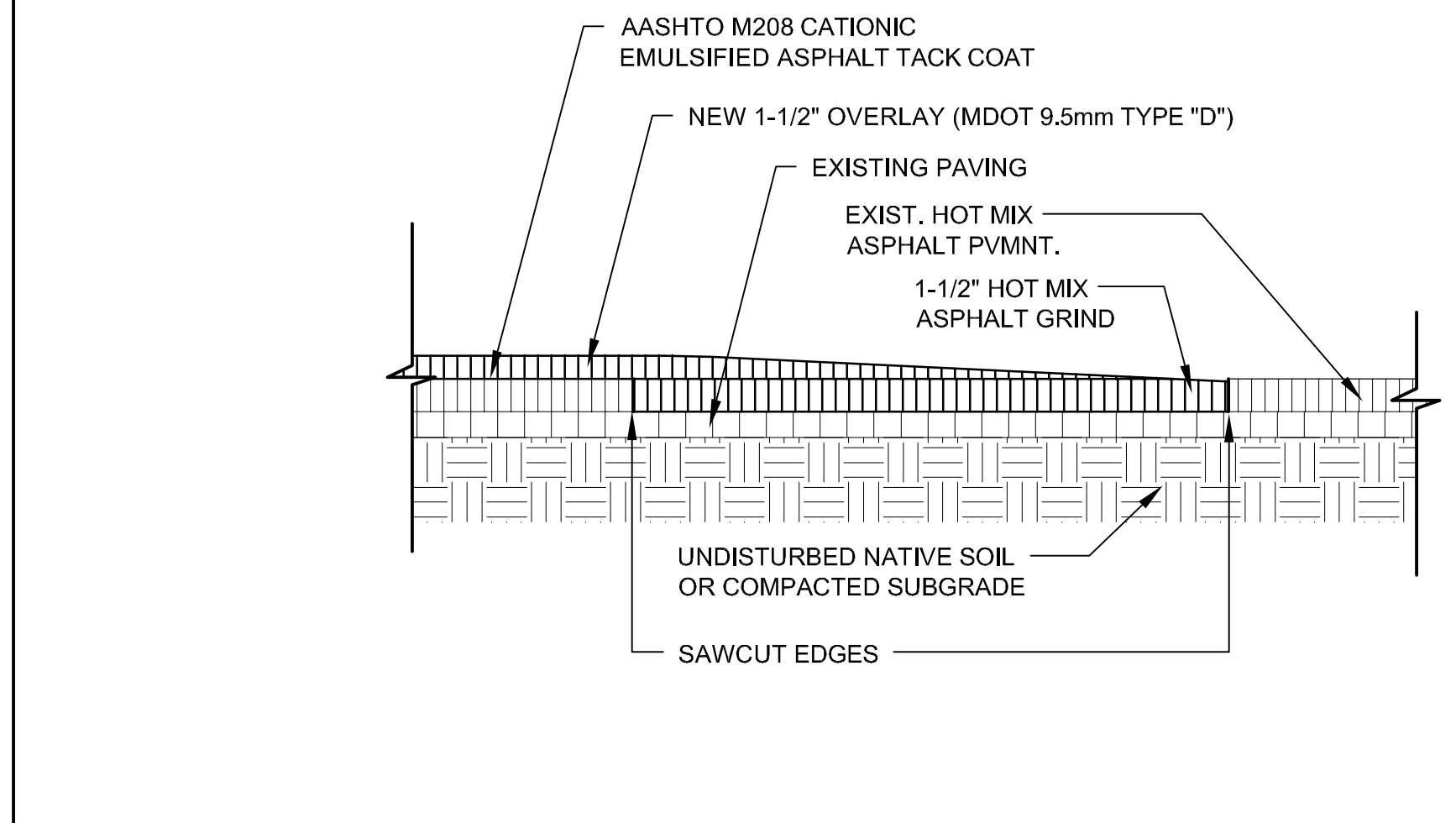
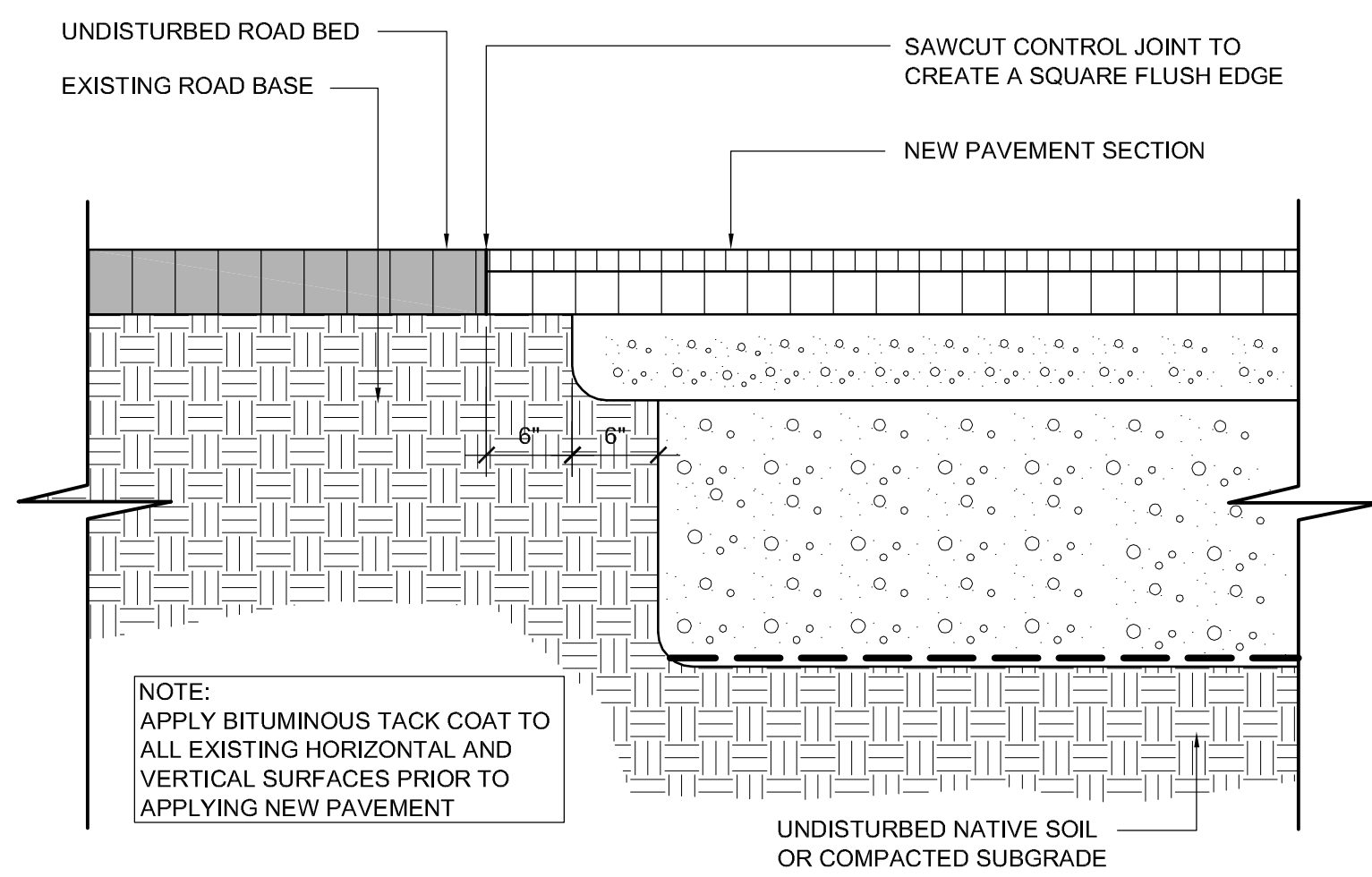
CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

SITE PLANTING PLAN
SHEET TITLE: 375730-LP101.DWG
WBRC CAD FILE: 3757.00
PROJECT NO.: 3757.00
SCALE: 1"=20'
PROJECT MANAGER: MEJ
DRAWN BY: JWB
CHECKED BY: PFB
SHEET NO.: LP101

PLANT SCHEDULE

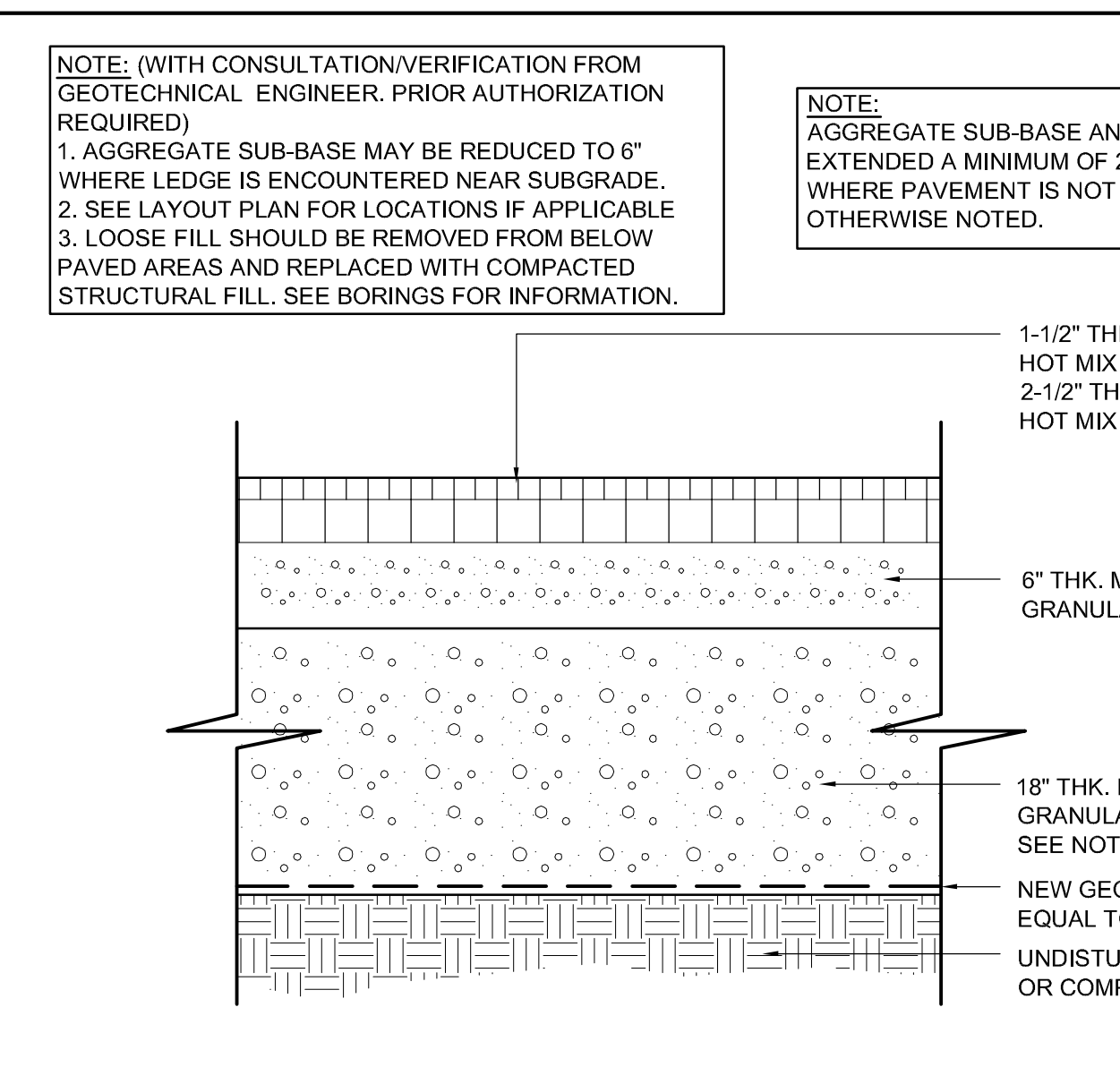
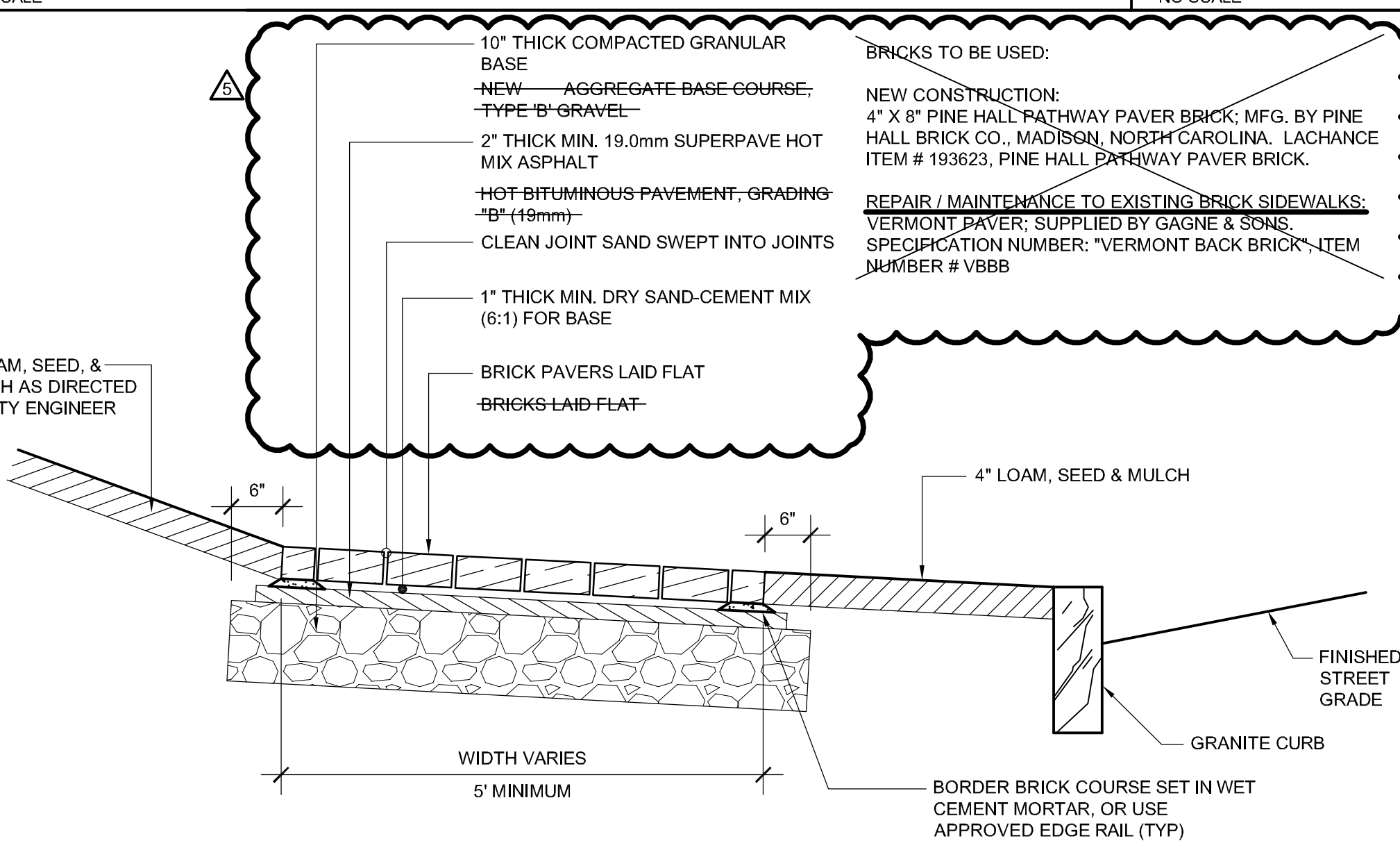
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
AAR	6	Acer rubrum 'Armstrong' Limb to 5'	Armstrong Red Maple	B & B	2.5' - 3" Cal.	
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
TON	3	Thuja occidentalis 'Nigra'	Nigra Cedar	B & B		6'-7' H
SMALL TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
ALV	5	Amelanchier canadensis	Shadblow Serviceberry	B & B		8'-10' H
AGR	3	Amelanchier x grandiflora 'Robin Hill' Single Stem	Robin Hill Serviceberry	B & B		7'-8' H
DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
HAI	9	Hydrangea arborescens 'Invincible Spirit'™	Invincible Spirit Hydrangea	3 gal		
ROV	6	Rosa virginiana 3" O.C.		5 gal		
EVERGREEN SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
JCS	12	Juniperus chinensis 'Sea Green'	Sea Green Juniper	5 gal		
RCA	3	Rhododendron catarabiense 'Aglo'	Aglo Rhododendron	3 gal		
GROUND COVER	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
COC	340	Cornus canadensis	Burnsberry	1 gal@ 18" oc		
EFC	24	Euonymus fortunei 'Colorata'	Purple-leaf Winter Creeper	1 gal@ 24" oc		
HHA	112	Hemerocallis hybrid 'Happy Returns'	Happy Returns Daylily	2 qt@ 12" oc		

1:10 2/12/2013 12:54pm
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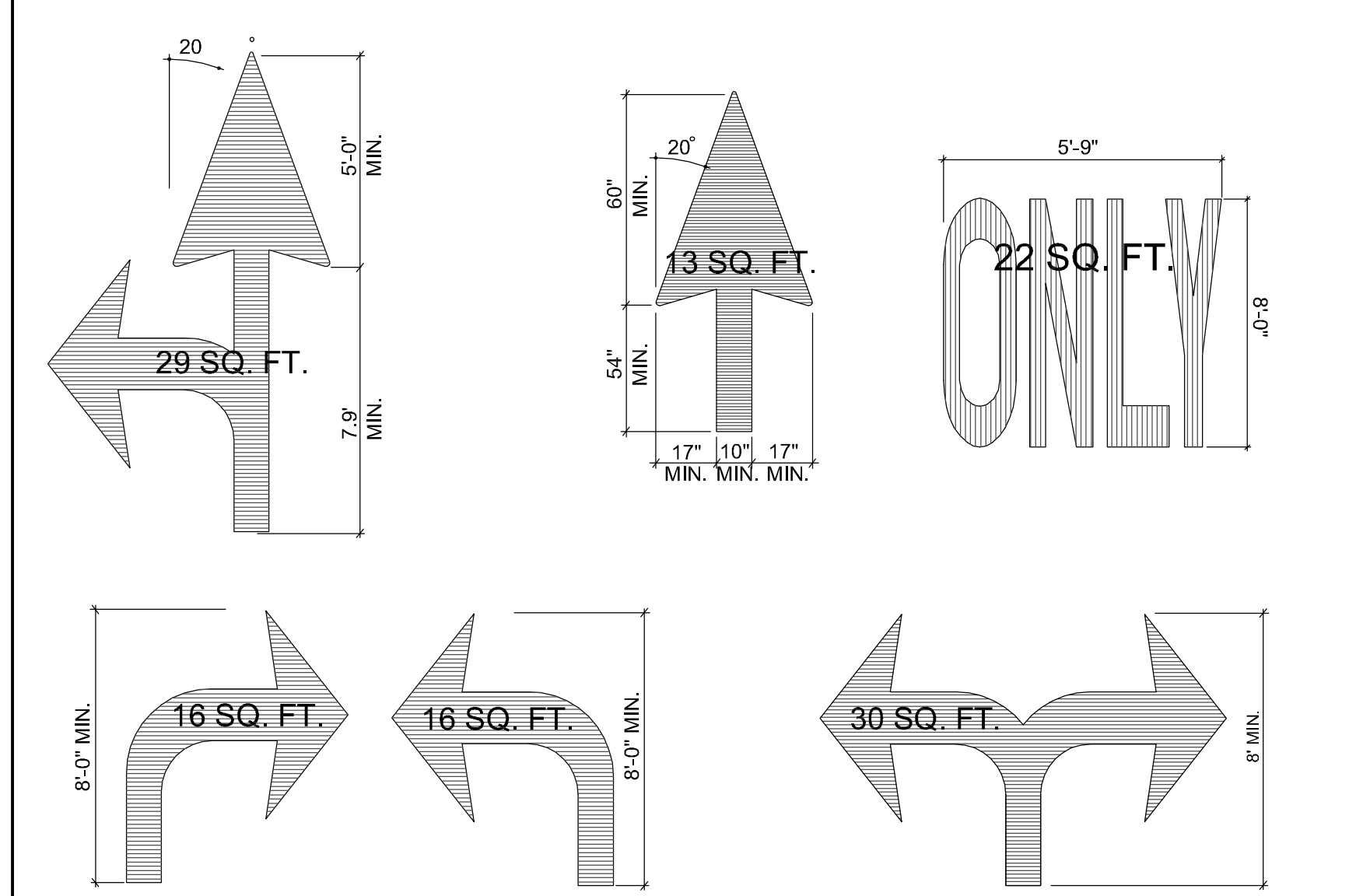
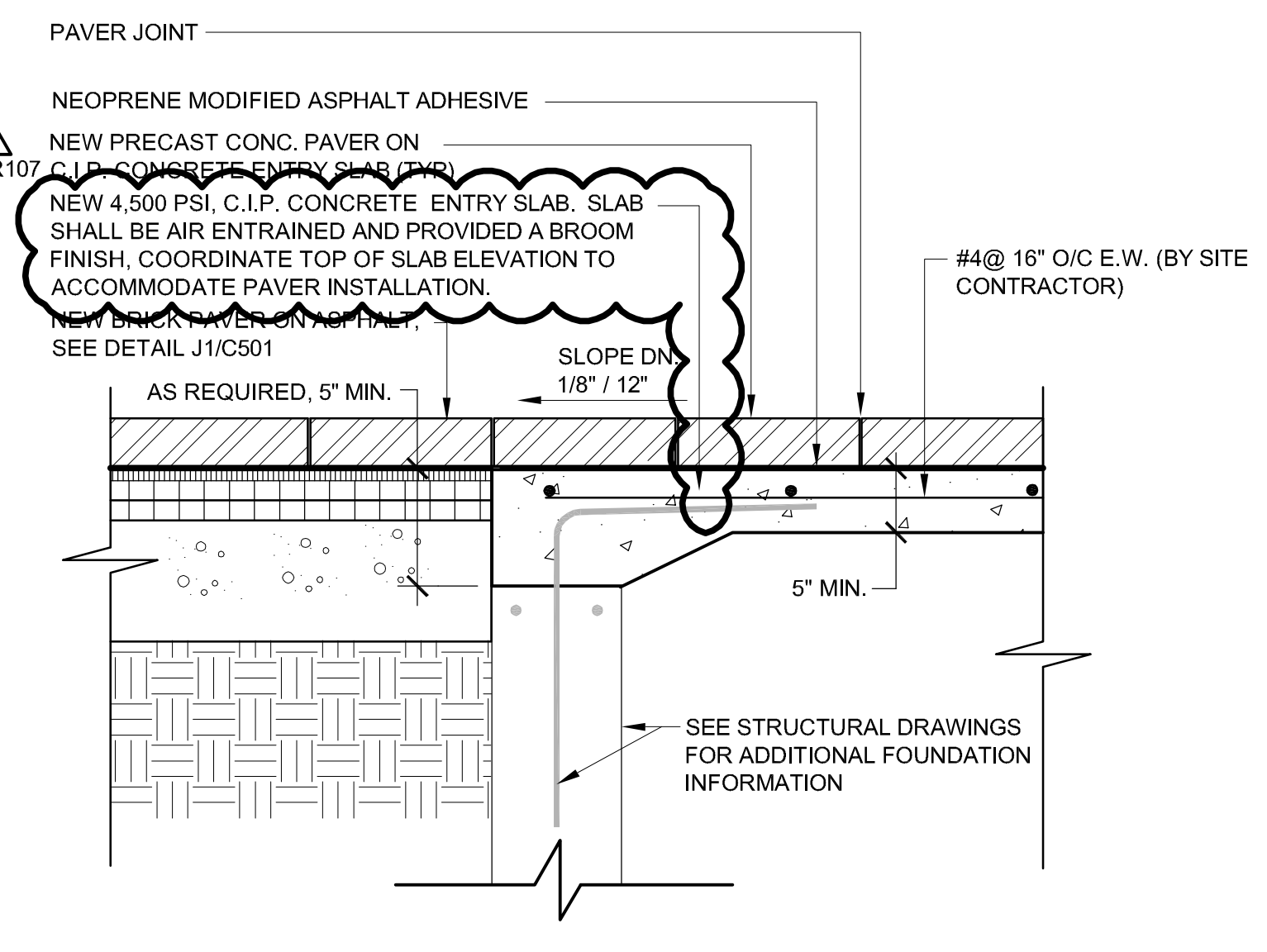
N1 HOT MIX ASPHALT BUTT JOINT

N5 NEW HOT MIX ASPHALT OVERLAY



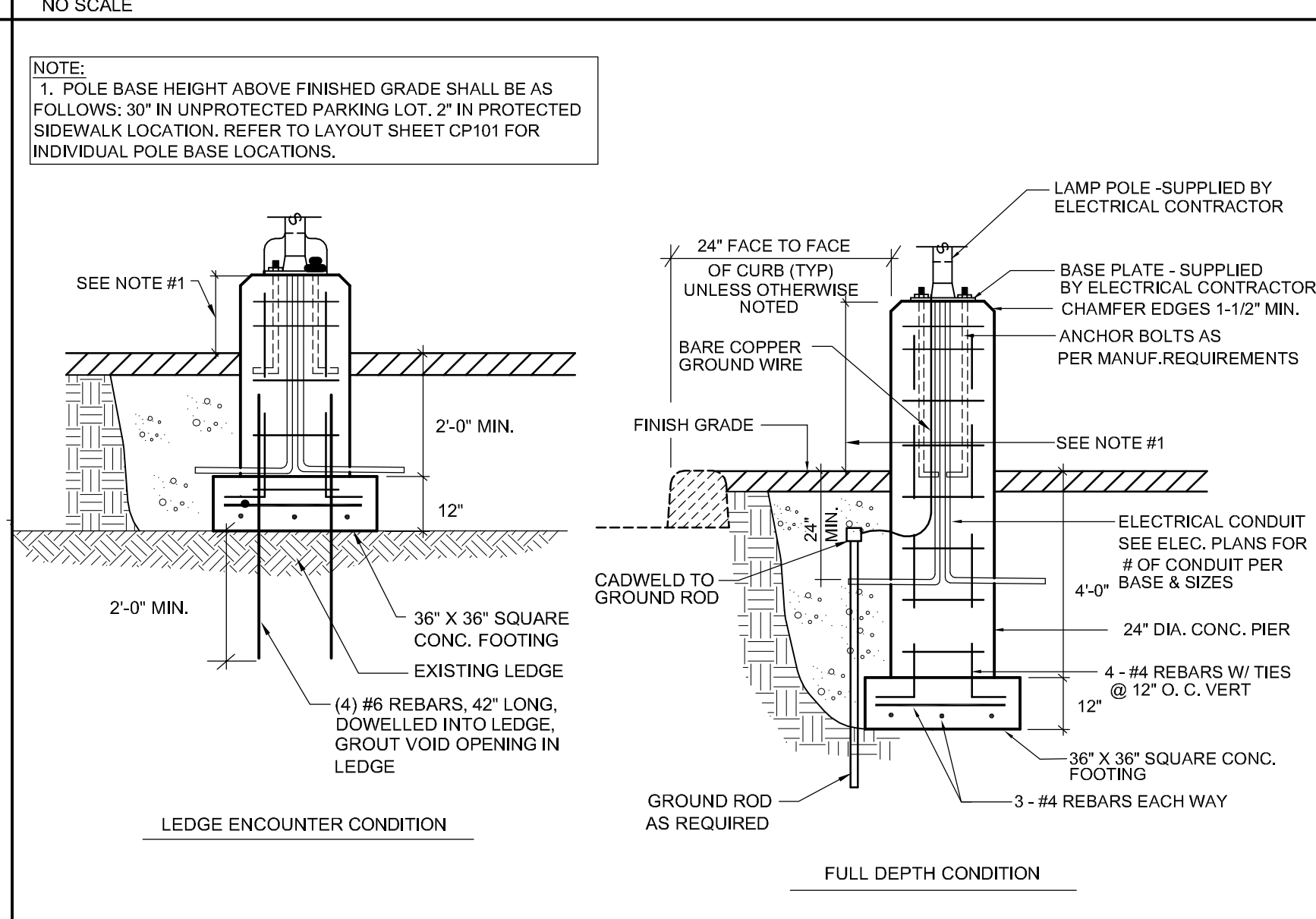
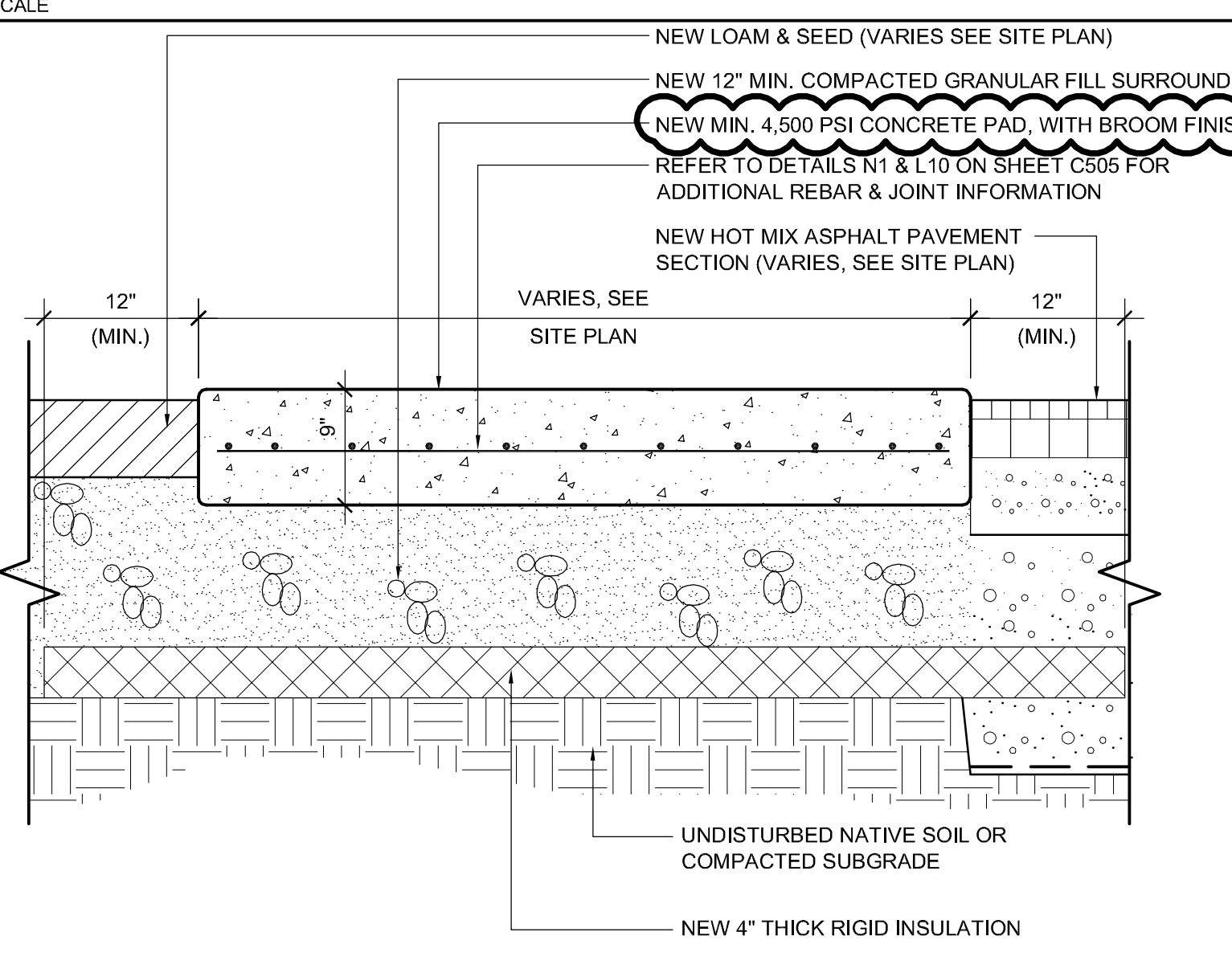
J1 NEW BRICK PAVER ON ASPHALT

J6 NEW FULL DEPTH HOT MIX ASPHALT PAVEMENT



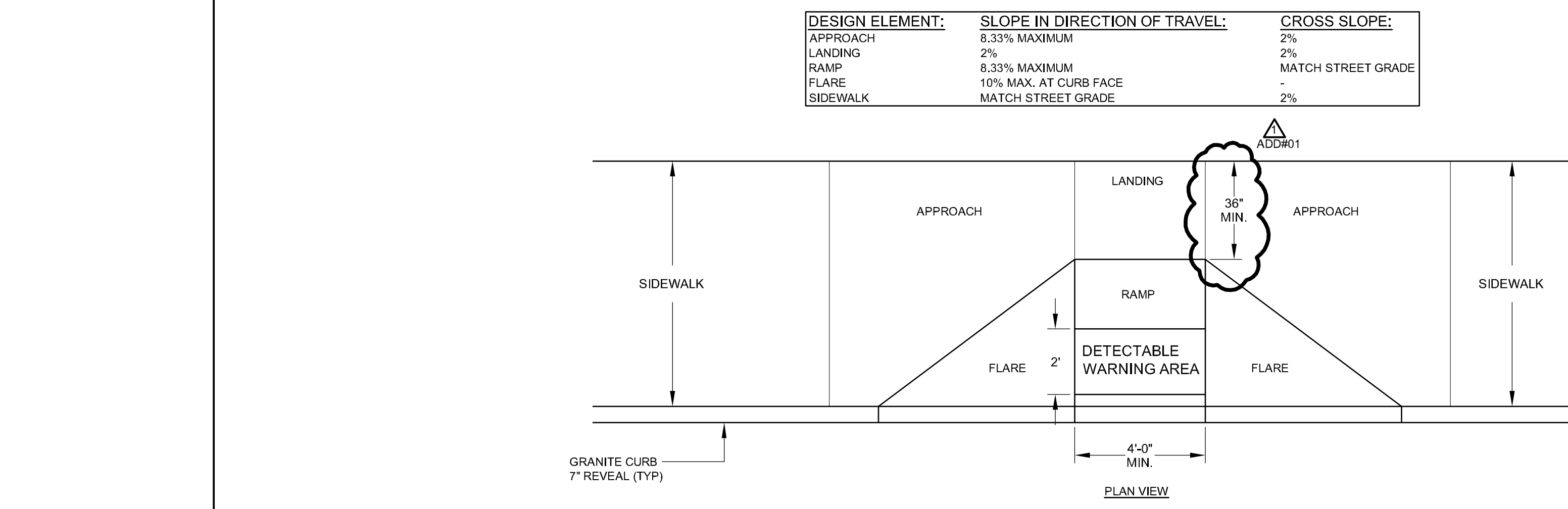
E1 NEW BRICK PAVER ON STRUCTURAL ENTRY SLAB

E5 NEW PAINTED PAVEMENT MARKINGS

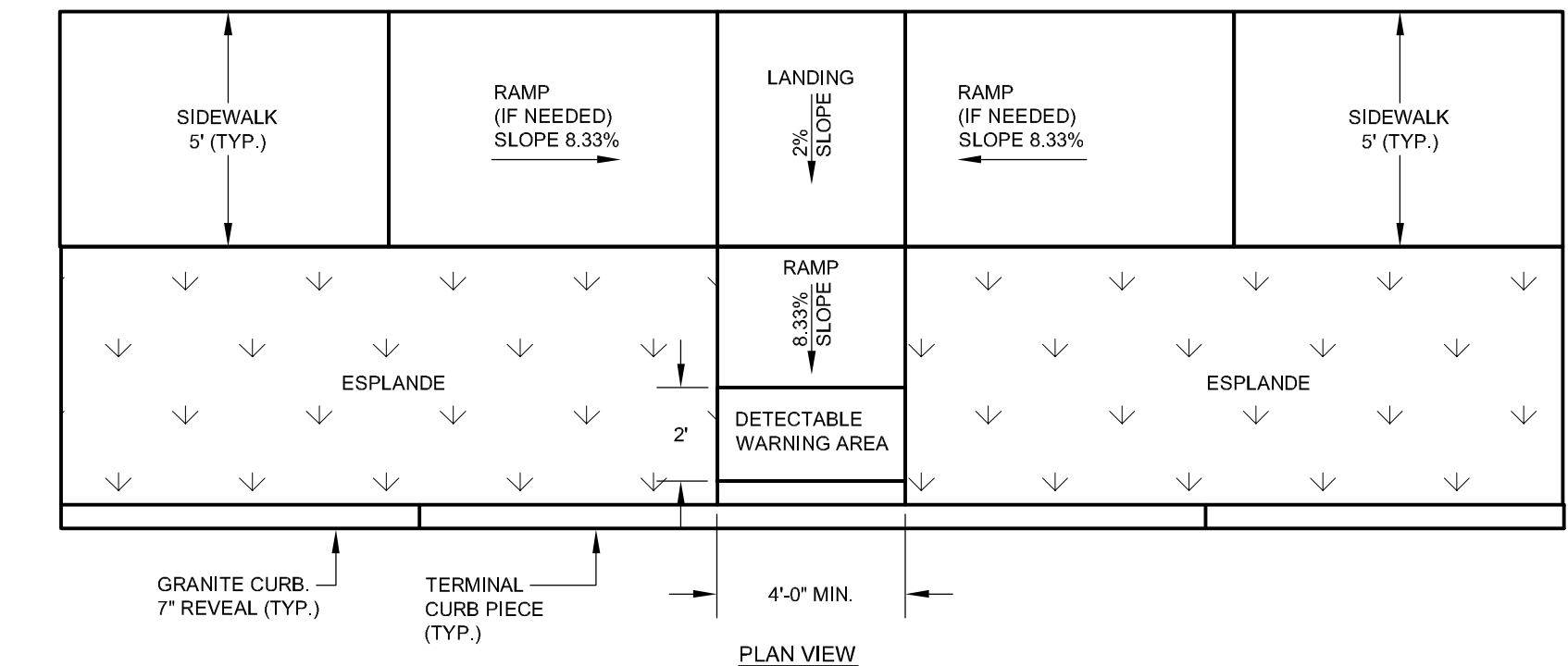


A1 NEW C.I.P. CONCRETE PAD (LOADING AREA)

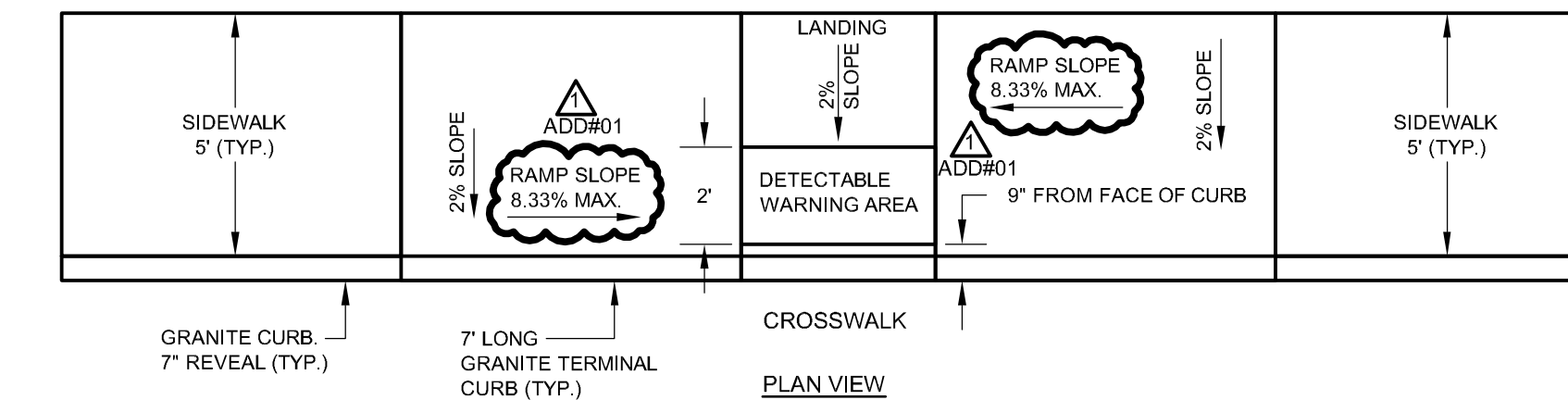
A5 NEW CONCRETE LIGHT BASE



PERPENDICULAR ADA RAMP LAYOUT FOR WIDE SIDEWALK WITH NO ESPLANADE

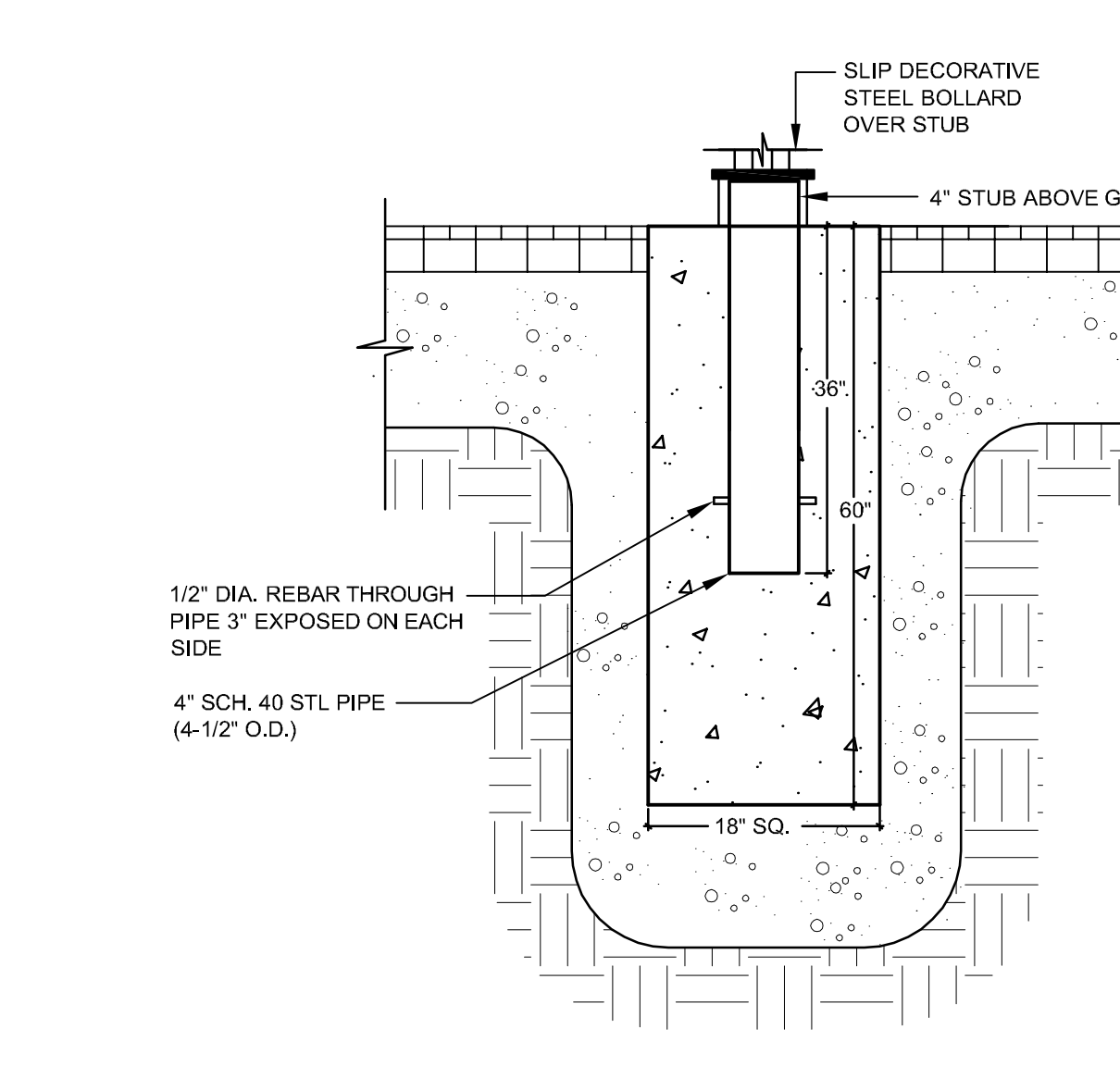


PERPENDICULAR ADA RAMP LAYOUT FOR NARROW SIDEWALK WITH ESPLANADE

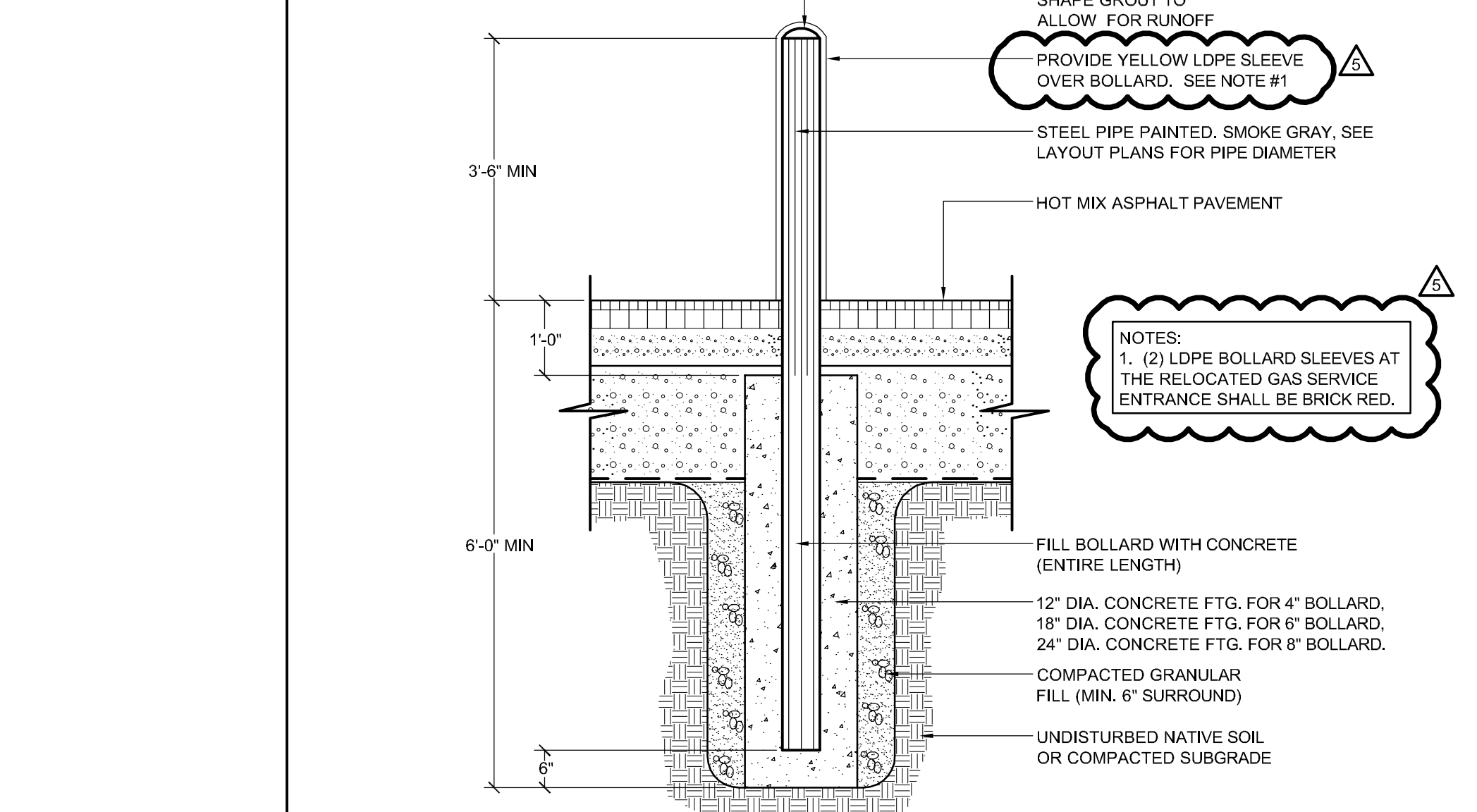


PARALLEL SIDEWALK RAMP LAYOUT FOR NARROW SIDEWALK WITH NO ESPLANADE

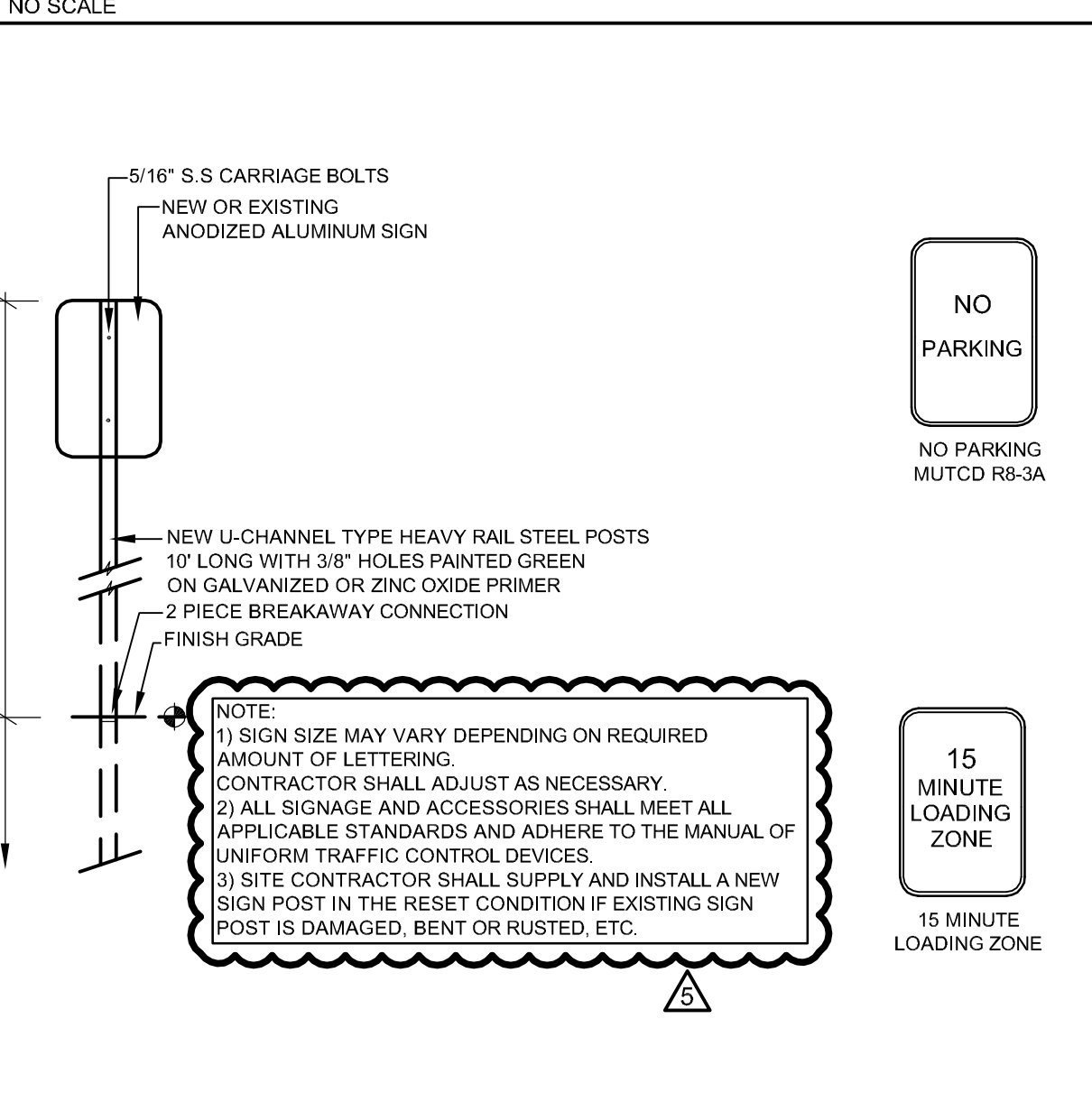
J14 NEW ADA RAMP



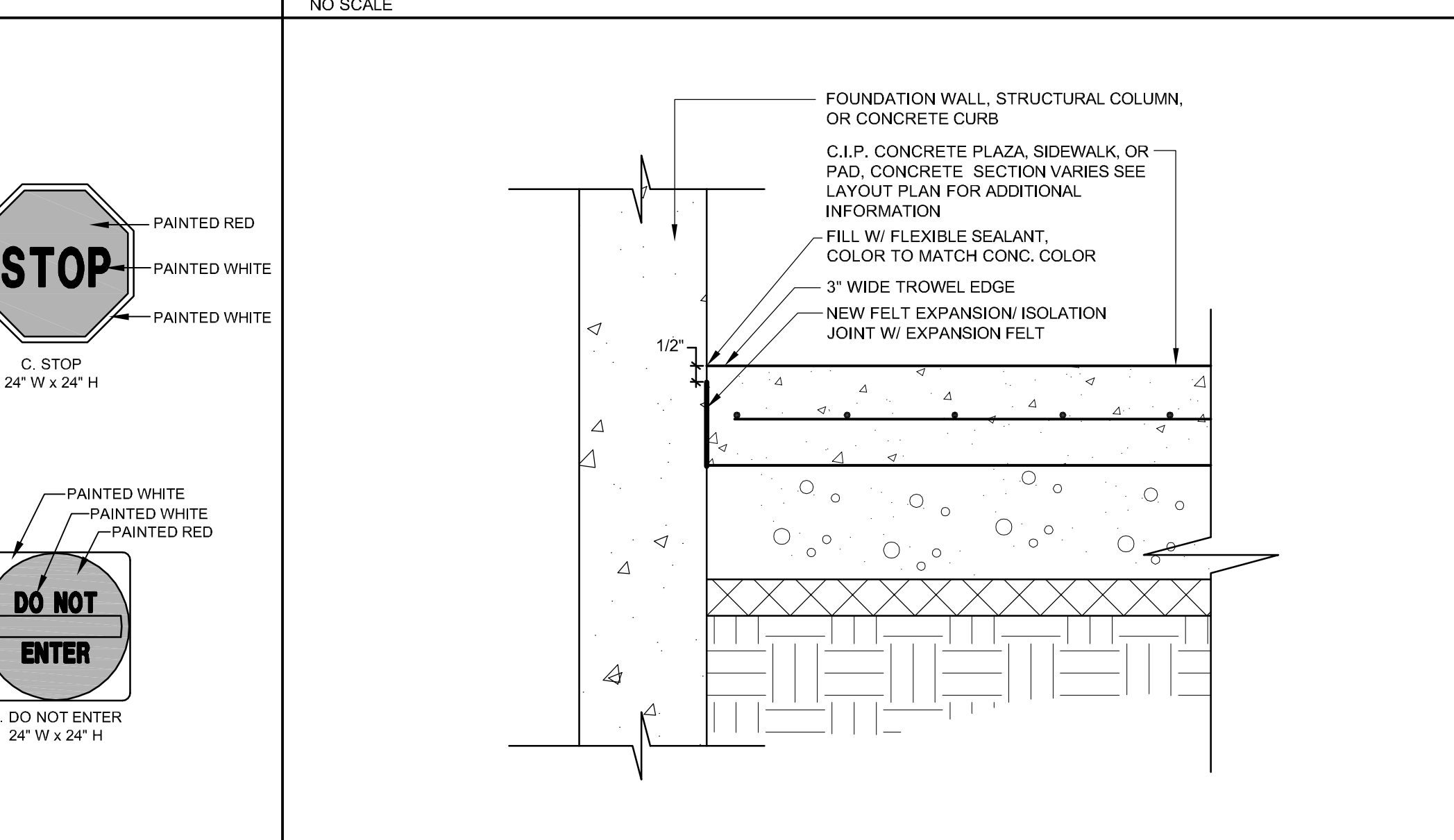
E10 NEW DECORATIVE STEEL BOLLARD



E14 NEW STEEL BOLLARD



A10 SIGNAGE

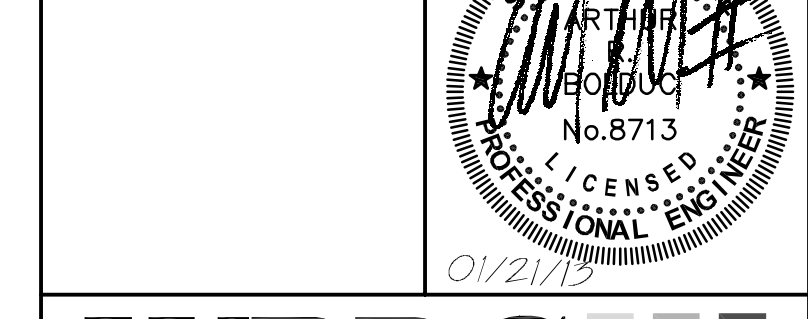


A14 NEW C.I.P. CONCRETE ISOLATION JOINT

REV.	DESCRIPTION	DATE
5	CONSTRUCTION DOCUMENTS	01-21-2013
4	NW ENTRY CONSTRUCTION DOCS	10-31-2012
3	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
2	NW ENTRY F.S.E CON DOCS	08-23-2012
1	ADDENDUM #1	08.09.12 (R)

CONSTRUCTION DOCUMENTS
01.21.2013

CURRENT ISSUE STATUS:



WBRC ARCHITECTS ENGINEERS
 WWW.WBRC.COM
 BANGOR, MAINE 207-947-4318
 PORTLAND, MAINE 207-489-4318
 SARASOTA, FLORIDA 941-375-2862

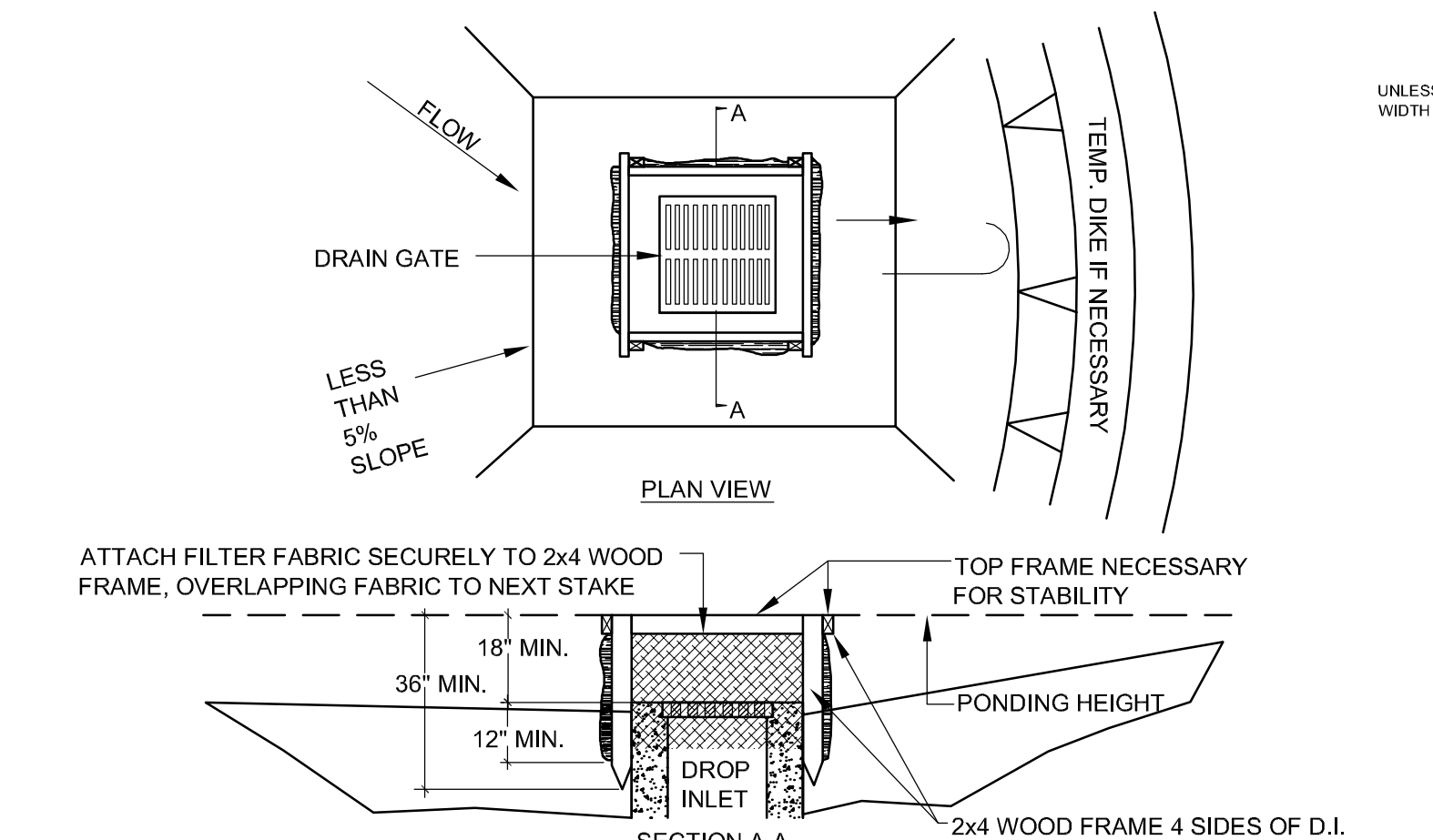
CUMBERLAND COUNTY CIVIC CENTER RENOVATION
 PROJECT: PORTLAND, MAINE

SITE DETAILS

SHEET TITLE:	375700-C501.DWG
WBRC CAD FILE:	3757.00
PROJECT NO.:	AS SHOWN
SCALE:	AS SHOWN
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB
SHEET NO.:	C501

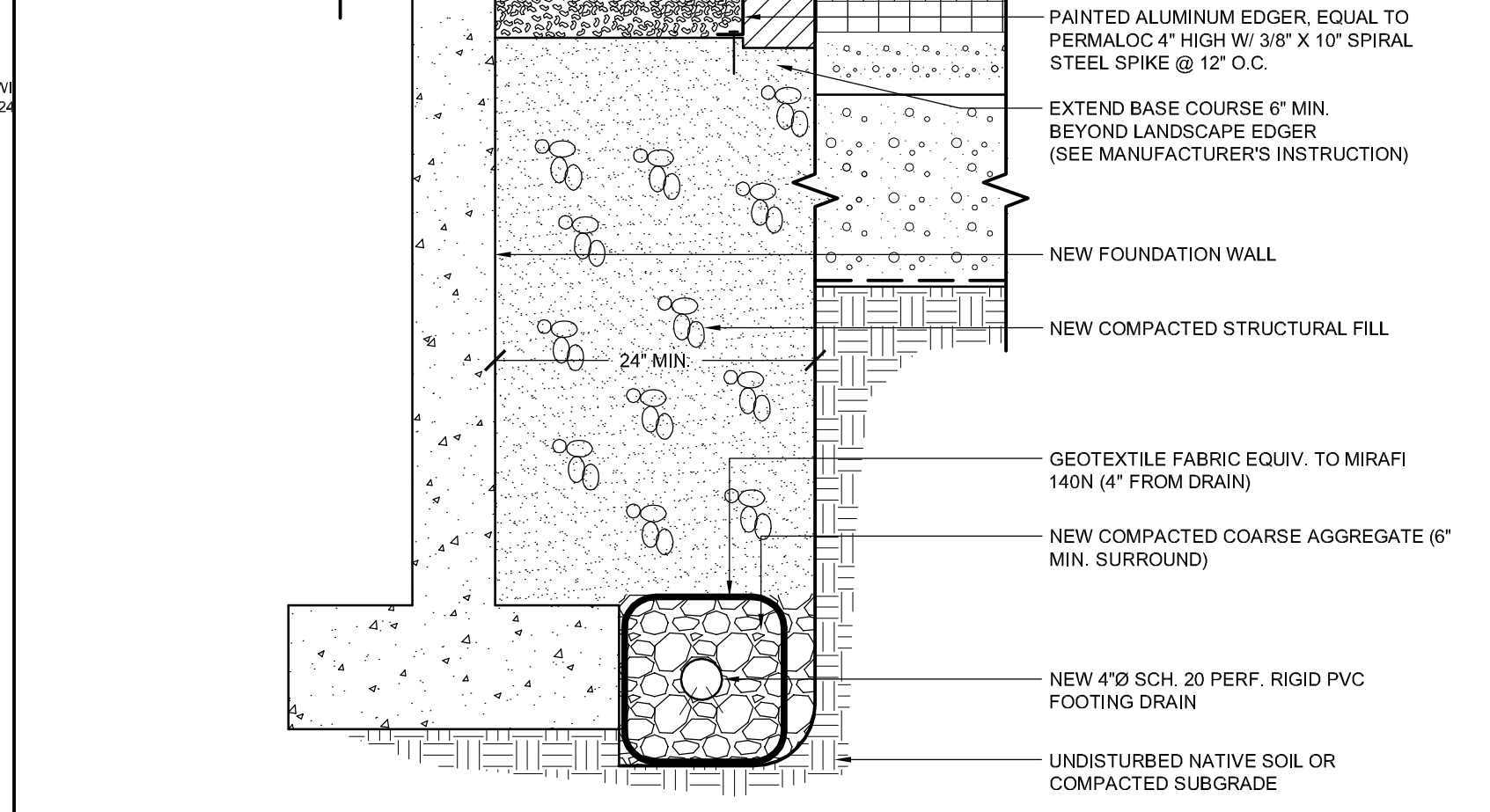
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NOTES:
 1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%)
 2. USE 2"x4" (100x50MM) WOOD OR EQUIVALENT METAL STAKES, 3" (76MM) LENGTH
 3. INSTALL 2"x4" (100x50MM) WOOD TOP FRAME TO INSURE STABILITY.
 4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. A TEMP. DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.



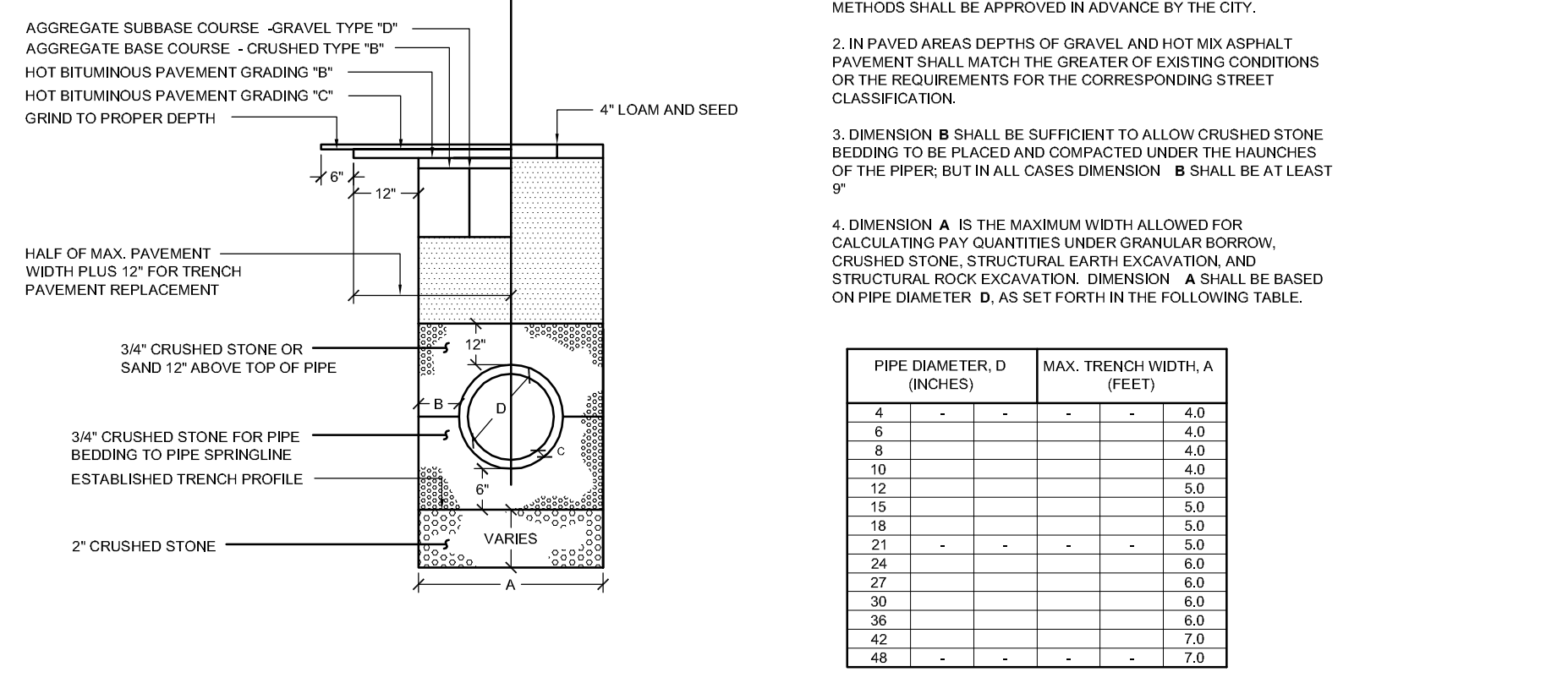
N1 TEMPORARY INLET PROTECTION
NO SCALE

UNLESS OTHERWISE NOTED, WIDTH IS EAVE WIDTH + 12" OR 24" WHICHEVER IS GREATER



N5 NEW FOUNDATION DRAIN
NO SCALE

NOTES:
 DEPTH OF BITUMINOUS PAVEMENT AND AGGREGATE COURSES SHALL BE DETERMINED BY STREET CLASSIFICATION.
 ANY ALTERNATE TRENCHING OR PAVEMENT METHODS SHALL BE APPROVED IN ADVANCE BY THE CITY OF PORTLAND, DEPARTMENT OF PUBLIC SERVICES.



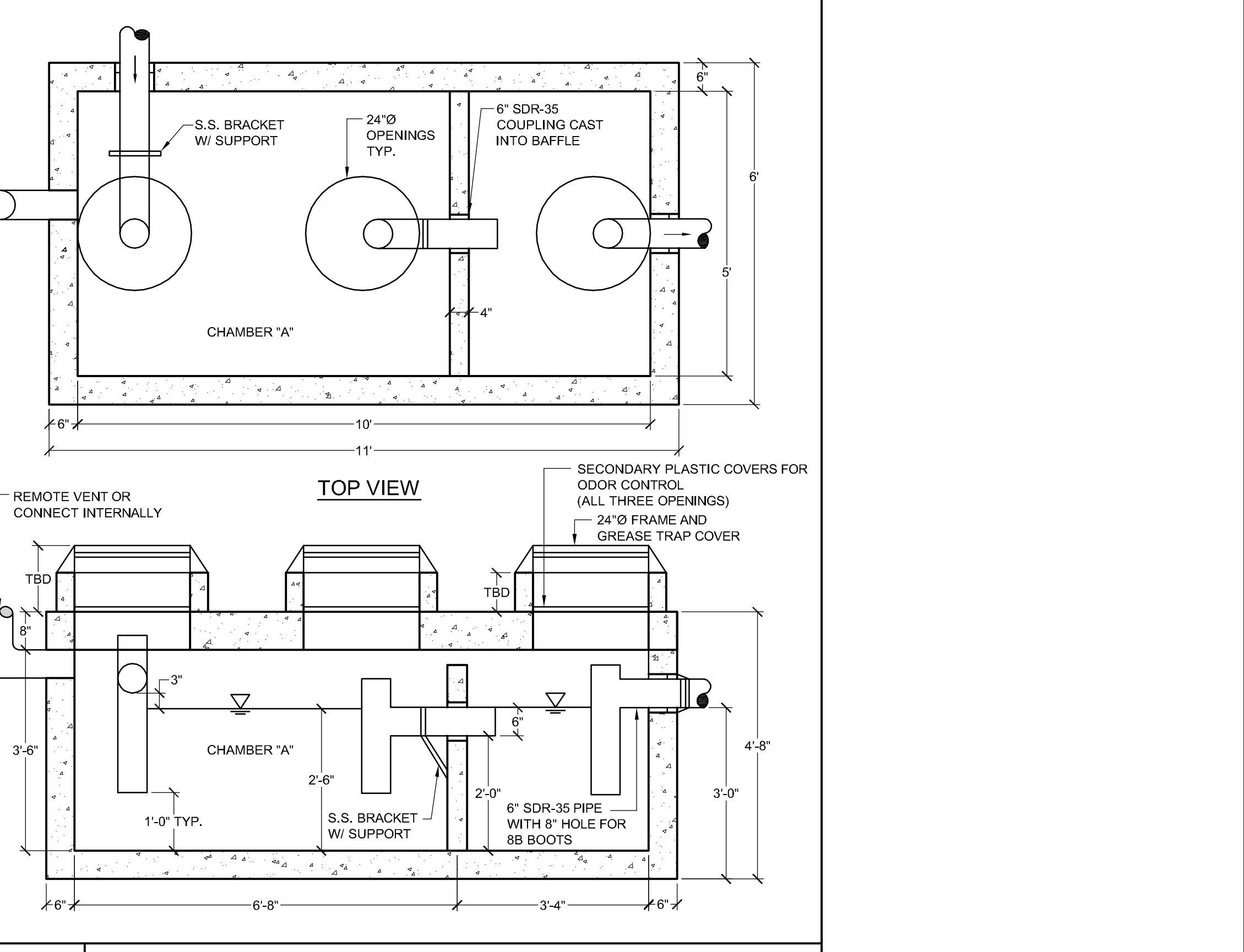
TYPICAL PIPE TRENCH INSTALLATION
NOT TO SCALE

TYPICAL PIPE INSTALLATION - NOTES
NOT TO SCALE

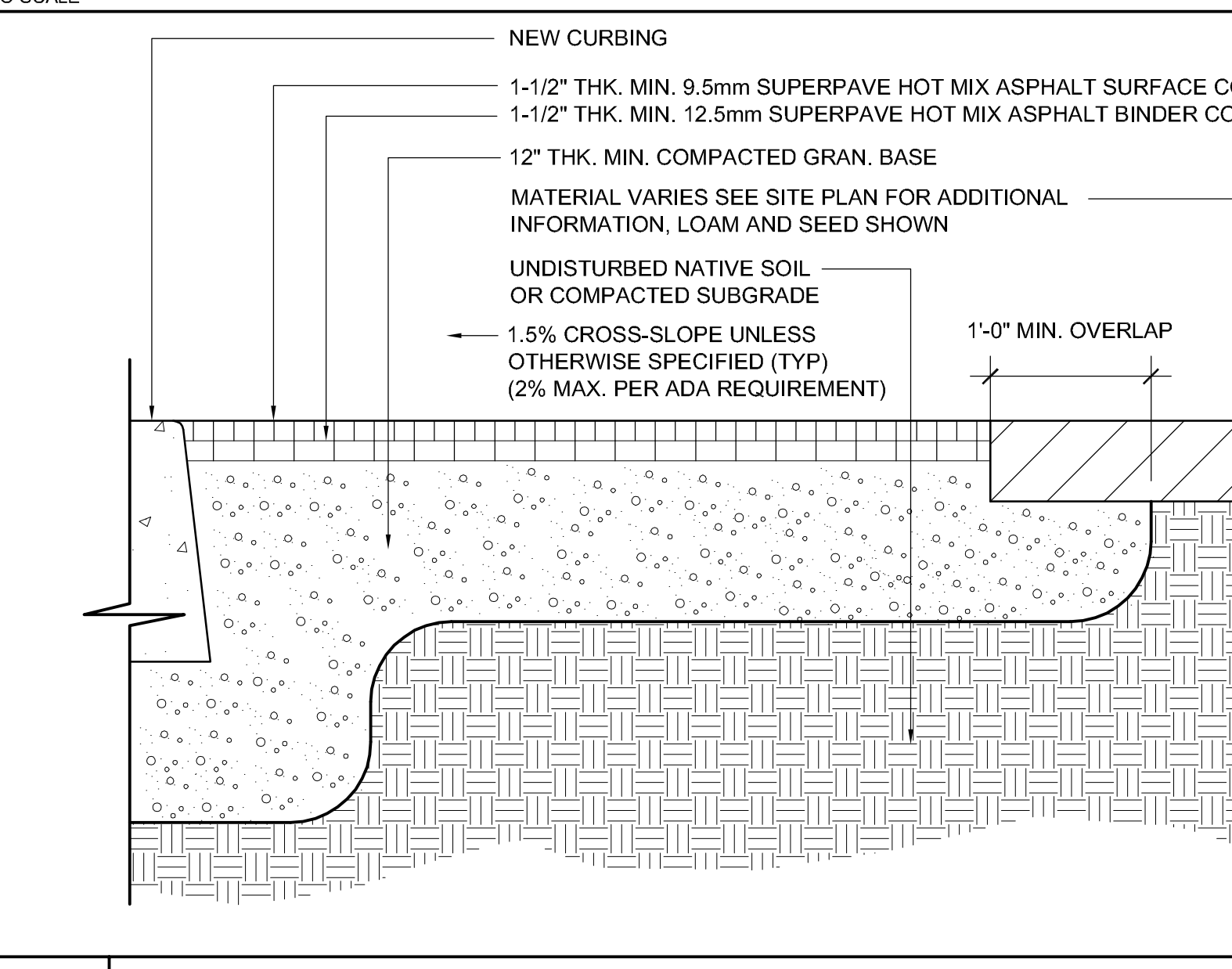
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 475 Lincoln Street, Suite 110, Denver, Colorado 80202
 303.308.0300, FAX 303.502.0222

DESIGN NOTES:
 1. CONCRETE 5000 PSI AT 28 DAYS.
 2. H-20 LOADING.
 3. JOINTS SEALED WITH BUTYL RUBBER JOINT SEALANT (AASHTO M-19).
 4. ALL TEES/Baffles PROVIDED BY PRECAST.

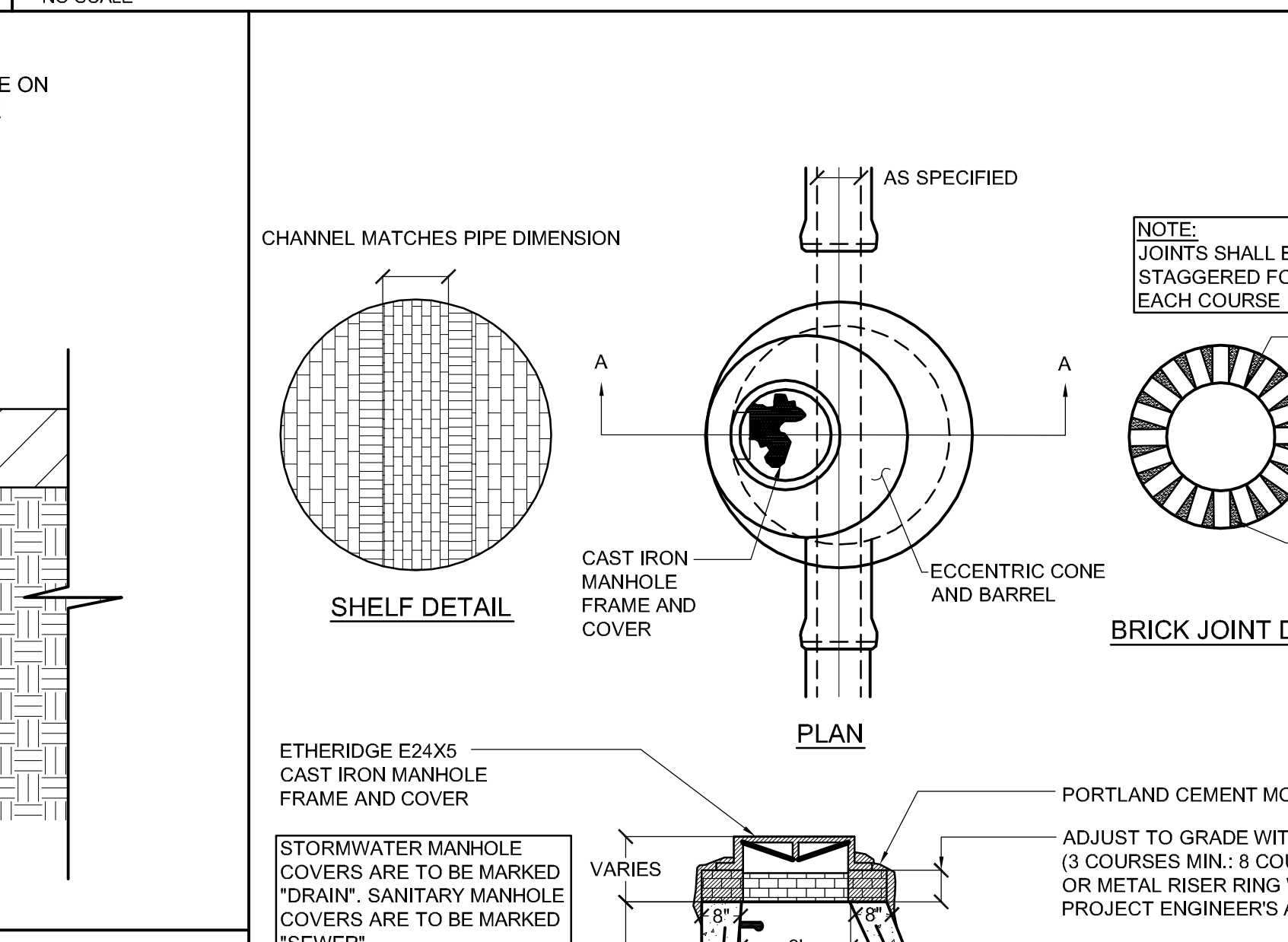
THIS STRUCTURE MUST DISCHARGE TO A CITY OF PORTLAND STANDARD MANHOLE WITH CHANNEL (CONTROL/SAMPLING MANHOLE).
 FORMULA FOR SIZING THE TRAP: CHAMBER "A" (2/3 OF TANK VOLUME) MUST BE EQUIVALENT TO THE AVERAGE DAILY PROCESS FLOW FROM THE FACILITY WITH NO SANITARY OR OTHER EXTRANEOUS WASTES FLOWING THROUGH IT.



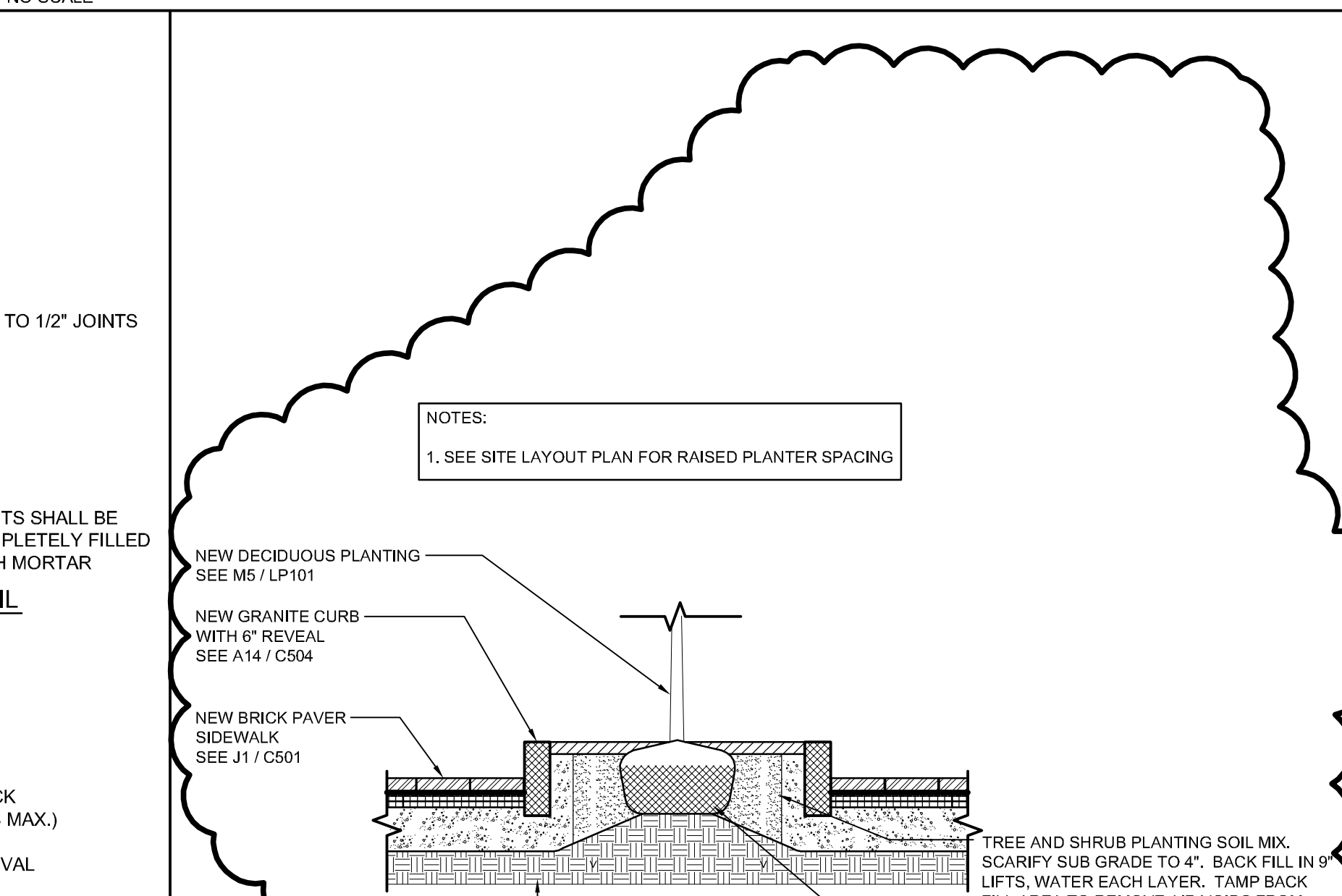
J14 NEW PRECAST CONCRETE GREASE TRAP
NO SCALE



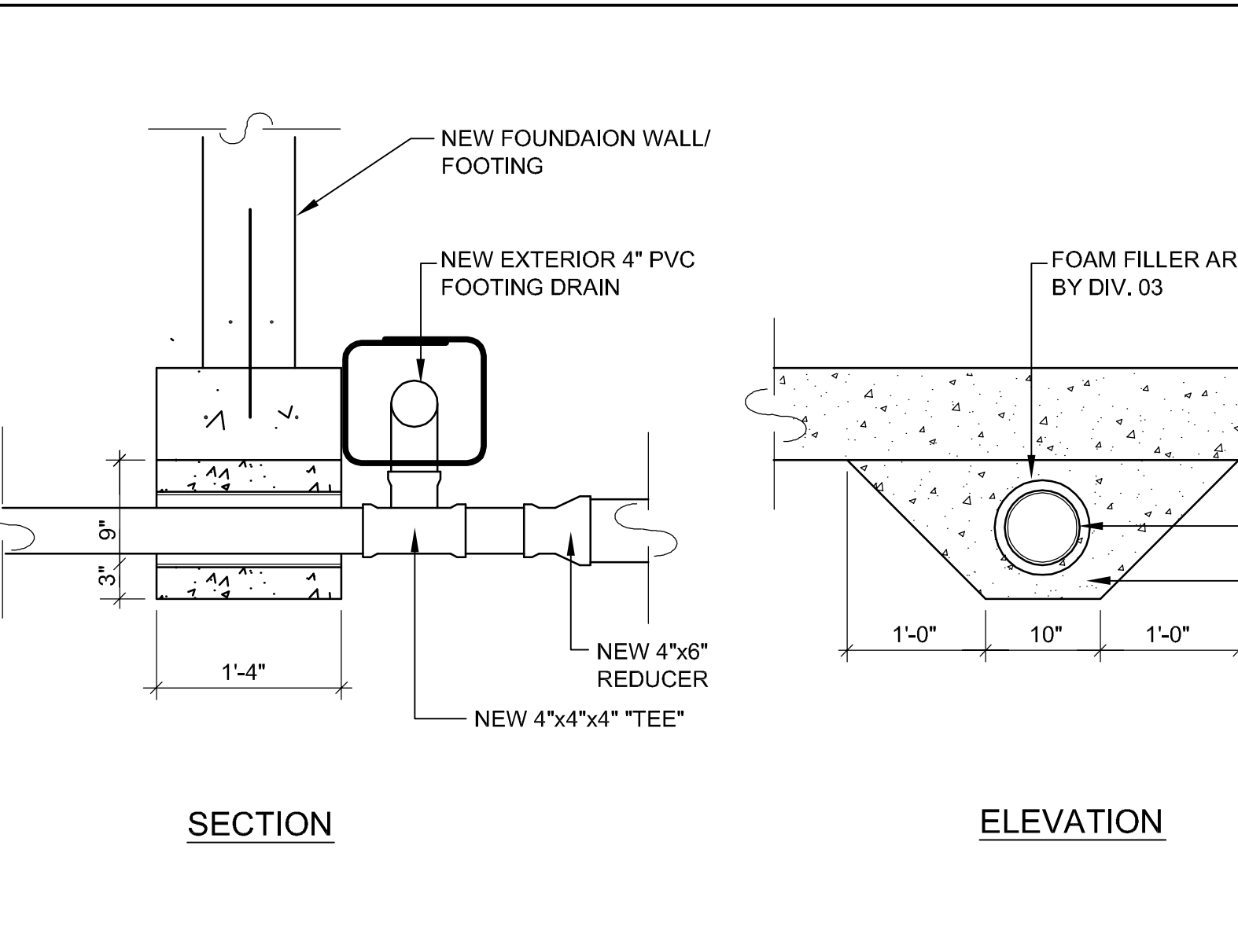
J1 NEW HOT MIX ASPHALT PEDESTRIAN ROUTE
NO SCALE



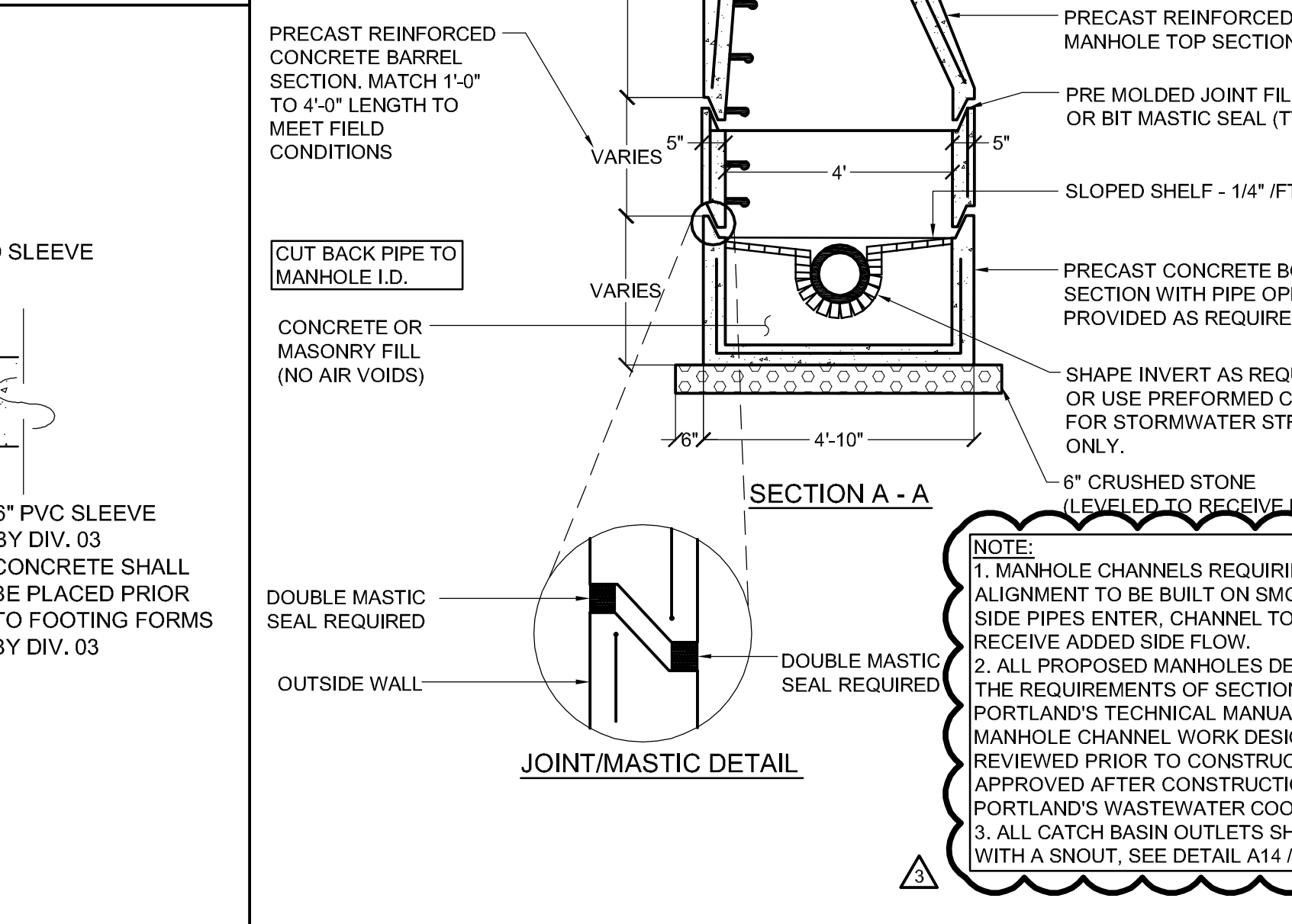
E6 NEW MANHOLE
NO SCALE



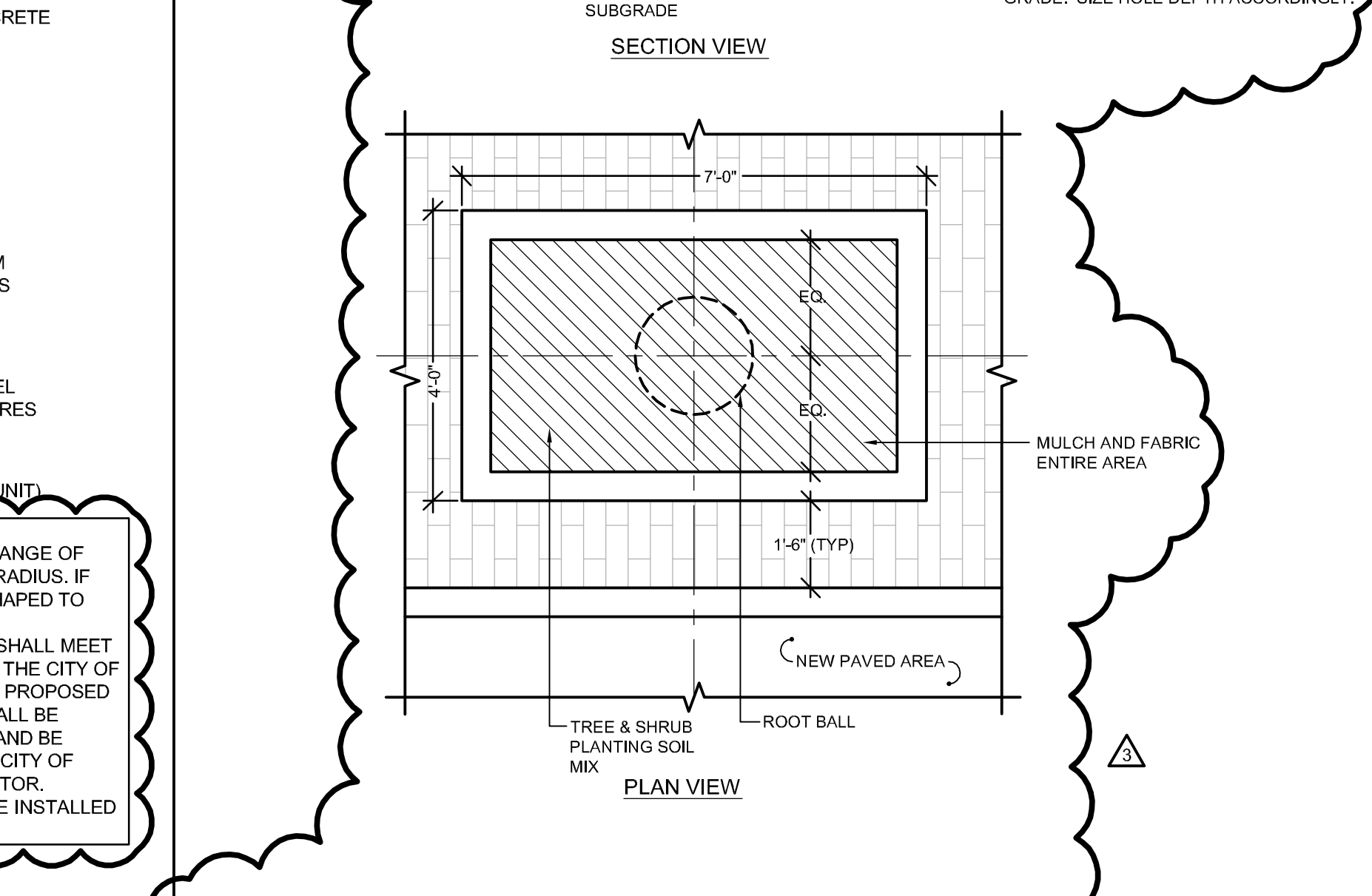
E11 NEW RAISED GRANITE CURB PLANTER
NO SCALE



E1 NEW PIPE UNDER FOOTING
NO SCALE



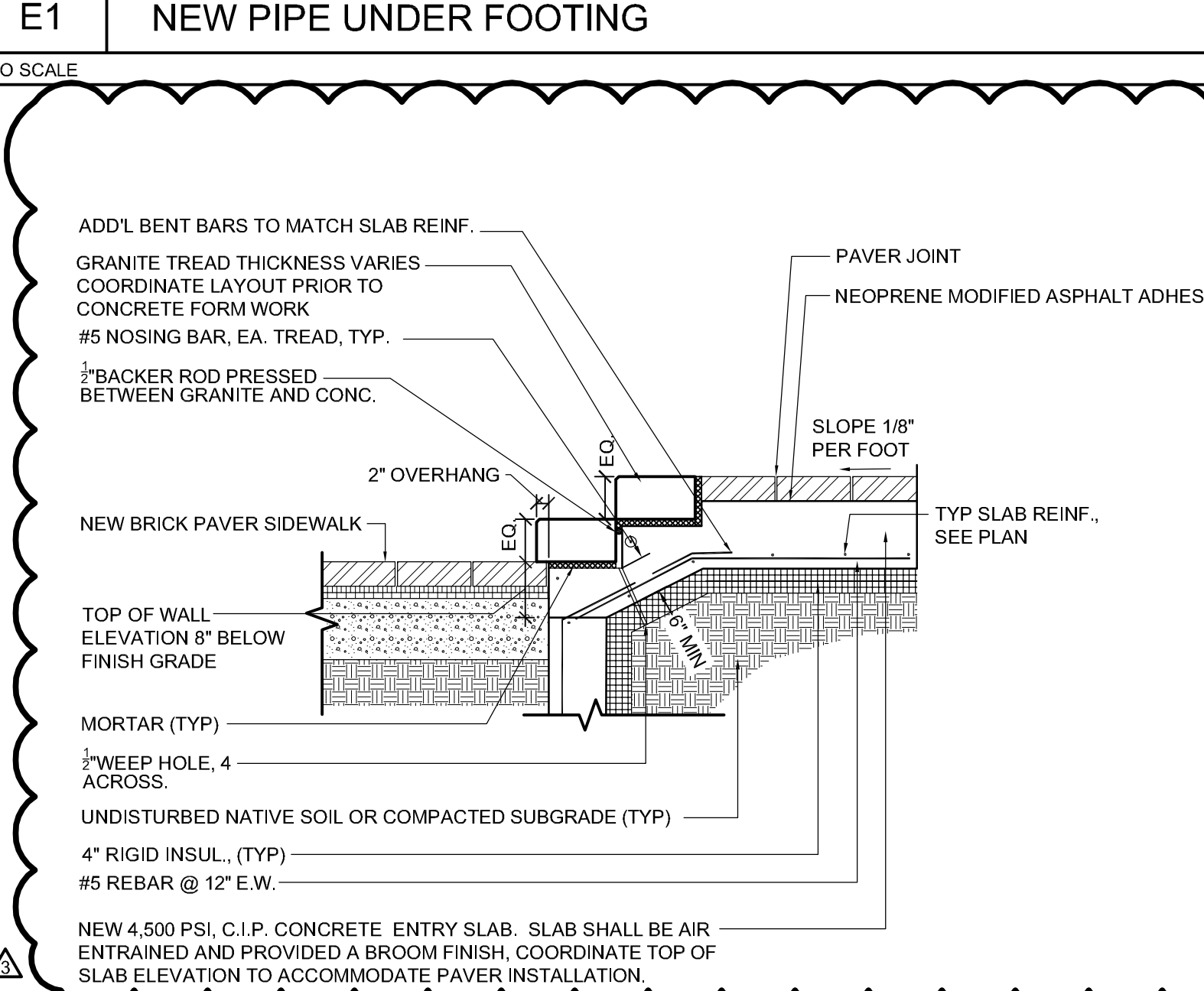
E6 NEW MANHOLE
NO SCALE



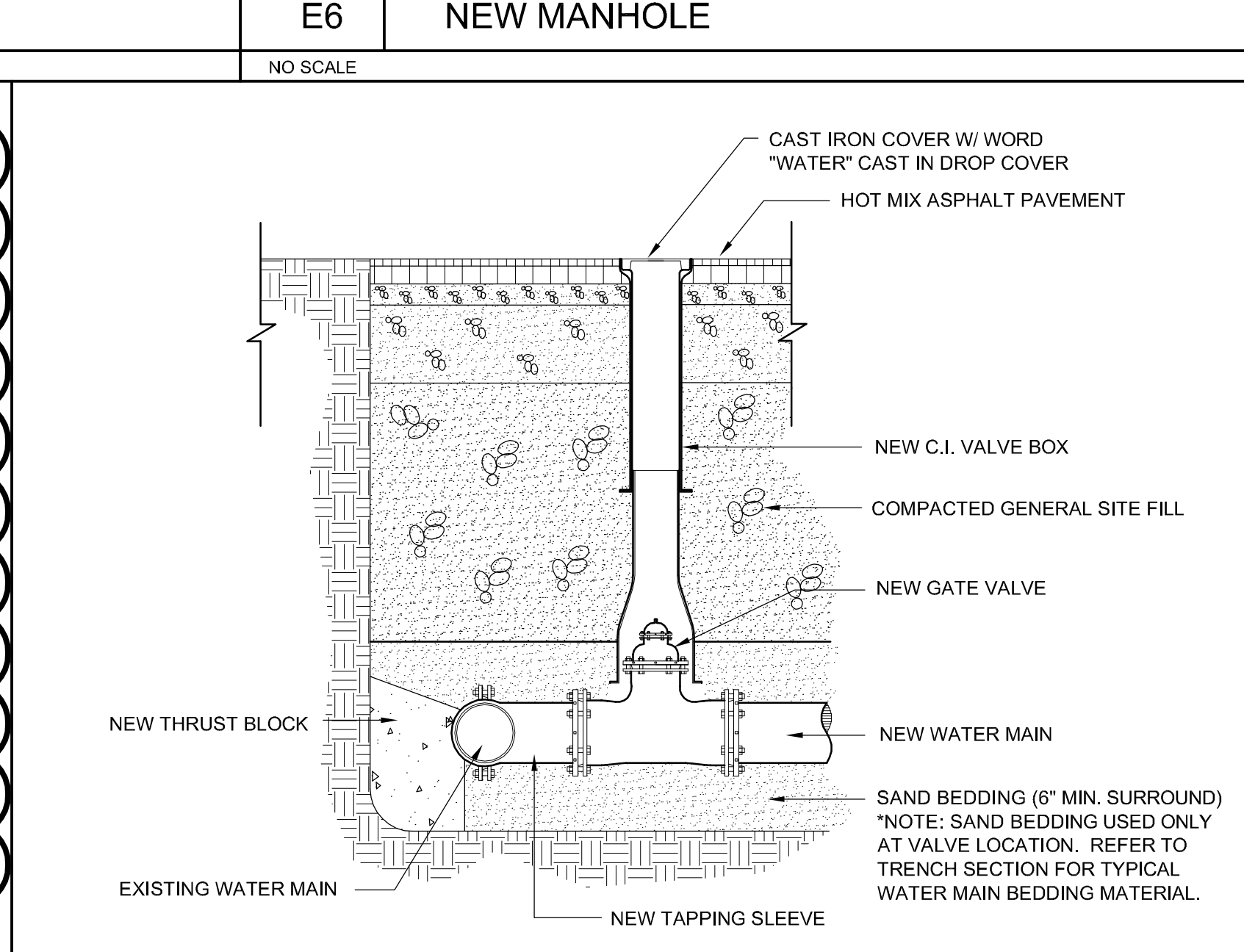
E11 NEW RAISED GRANITE CURB PLANTER
NO SCALE

~NOT USED~

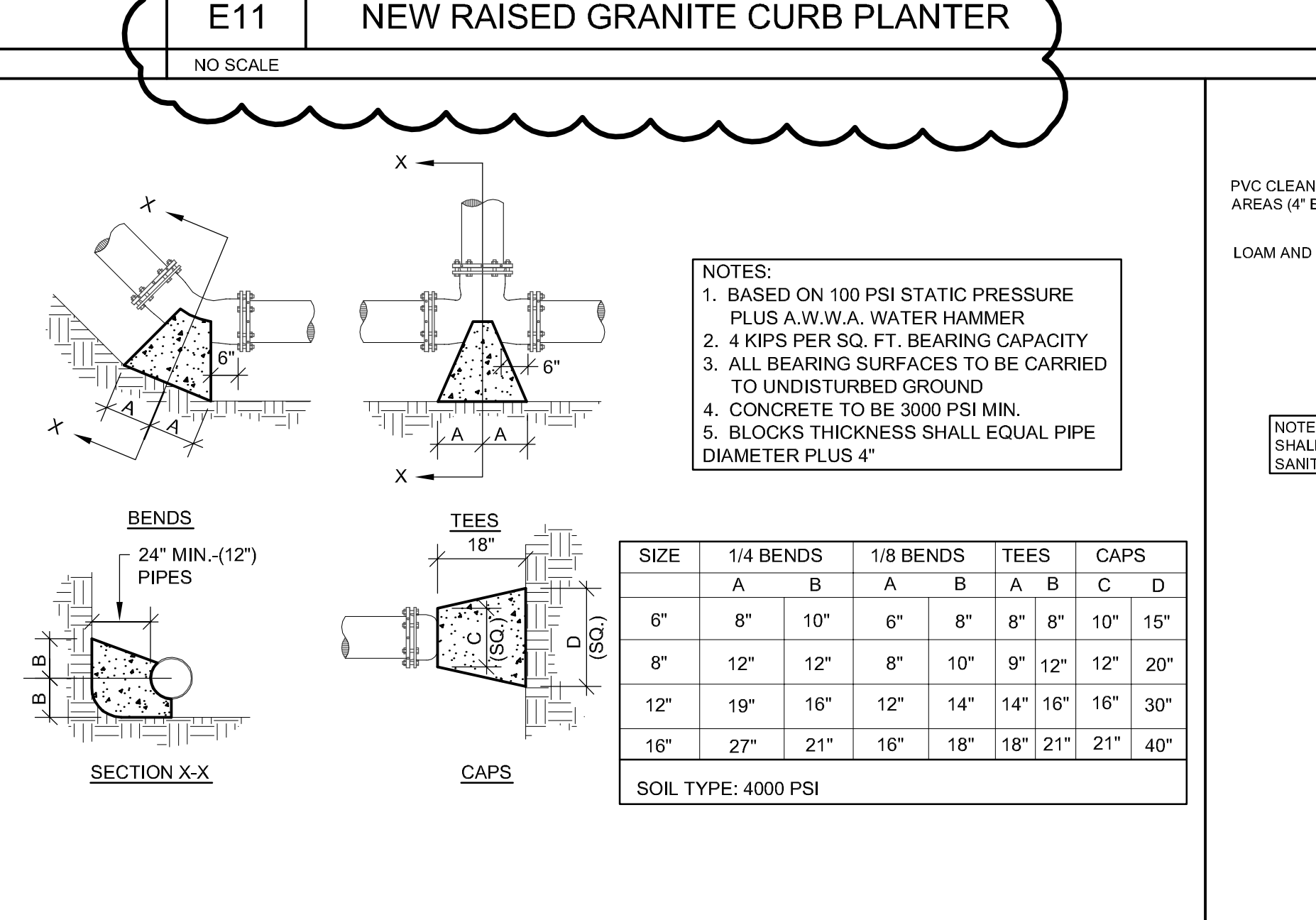
E14
NO SCALE



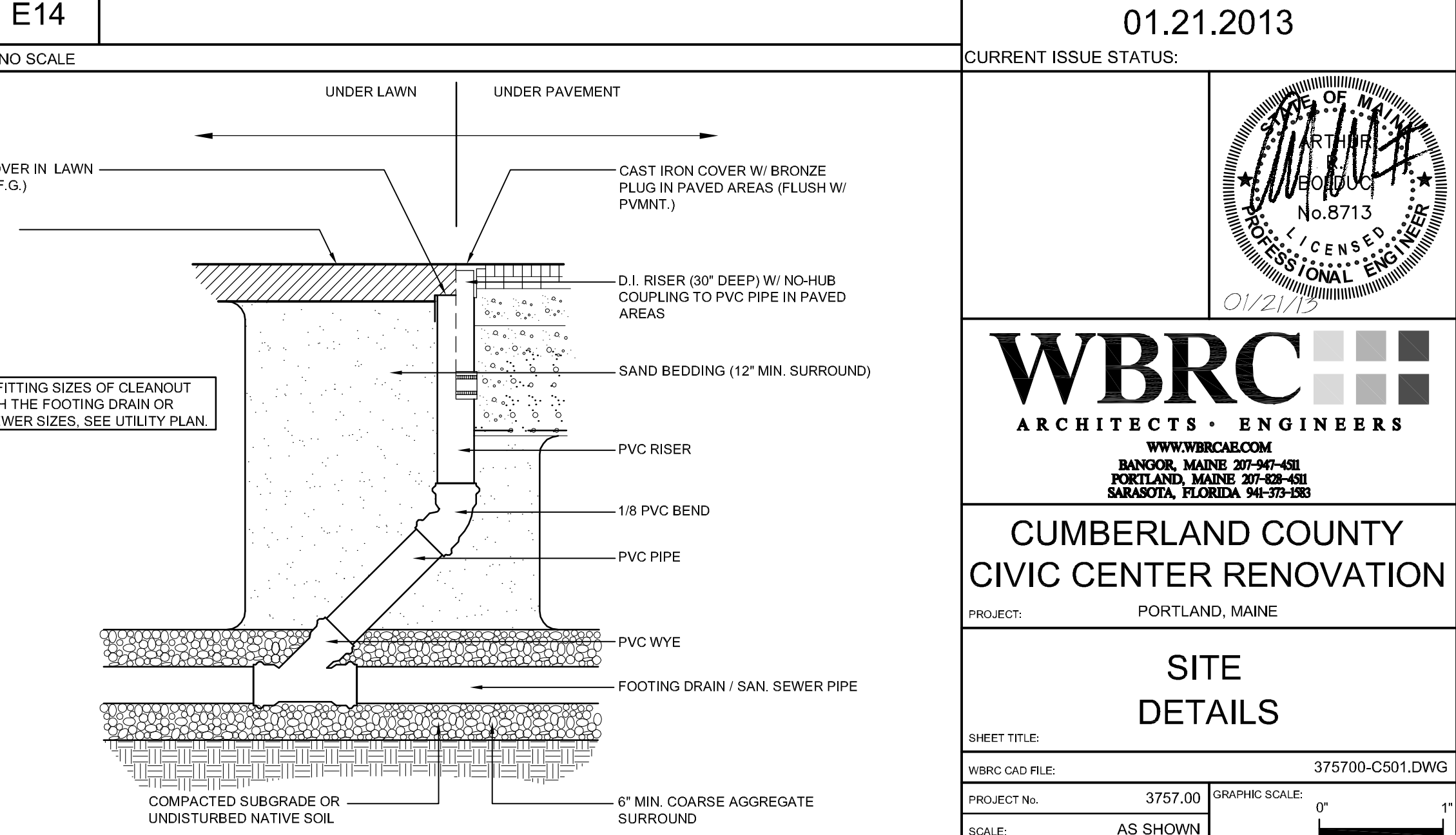
A1 NEW STRUCTURAL ENTRY SLAB WITH GRANITE TREAD
NO SCALE



A5 NEW GATE VALVE
NO SCALE



A10 NEW THRUST BLOCK
NO SCALE



A14 NEW CLEANOUT
NO SCALE

REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
0	NW ENTRY F.S.E CON DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01.21.2013

CURRENT ISSUE STATUS:

WBRC ARCHITECTS ENGINEERS
 WWW.WBRC.COM
 BANGOR, MAINE 207-947-4818
 ROCKLAND, MAINE 207-581-4510
 SARASOTA, FLORIDA 941-375-2826

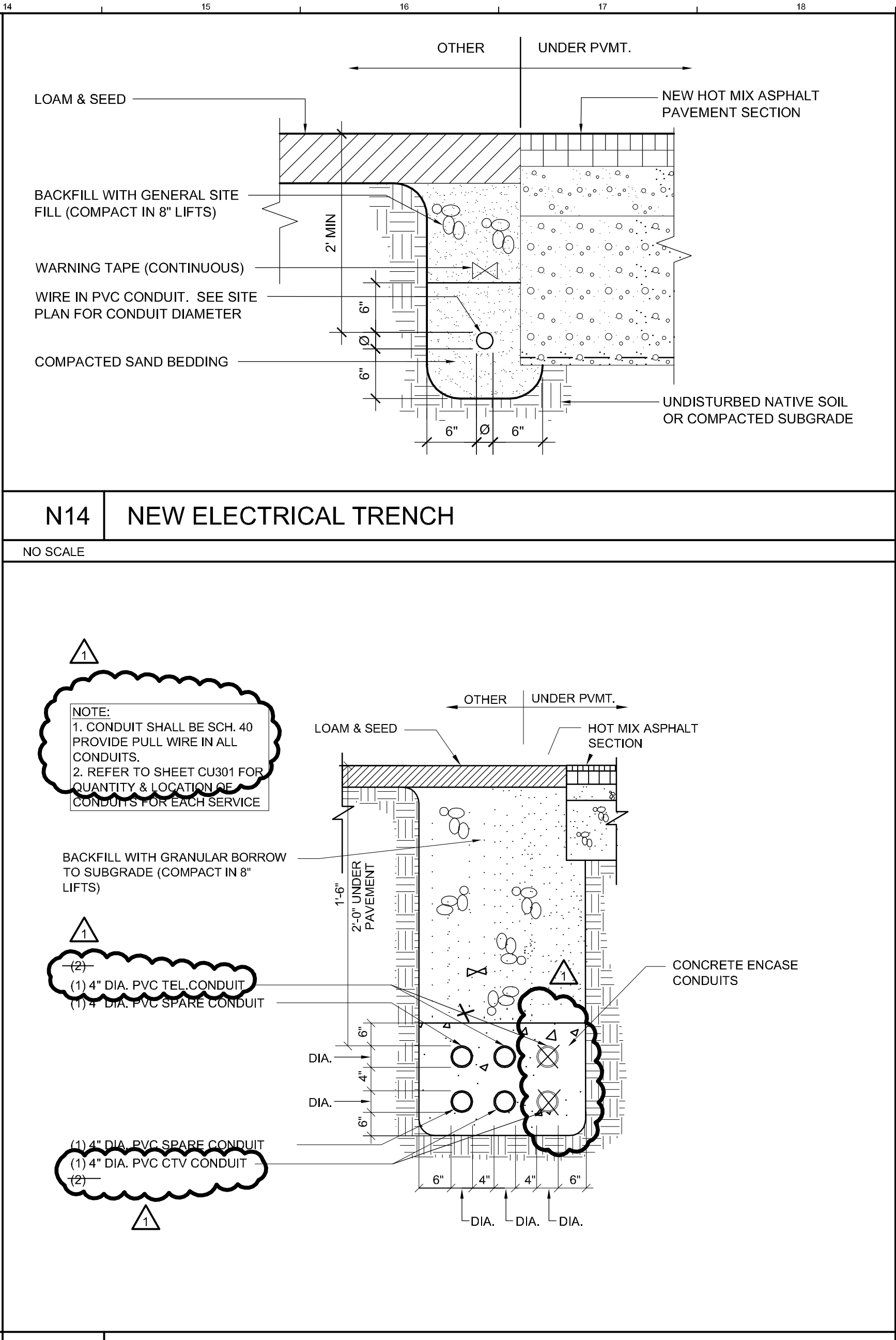
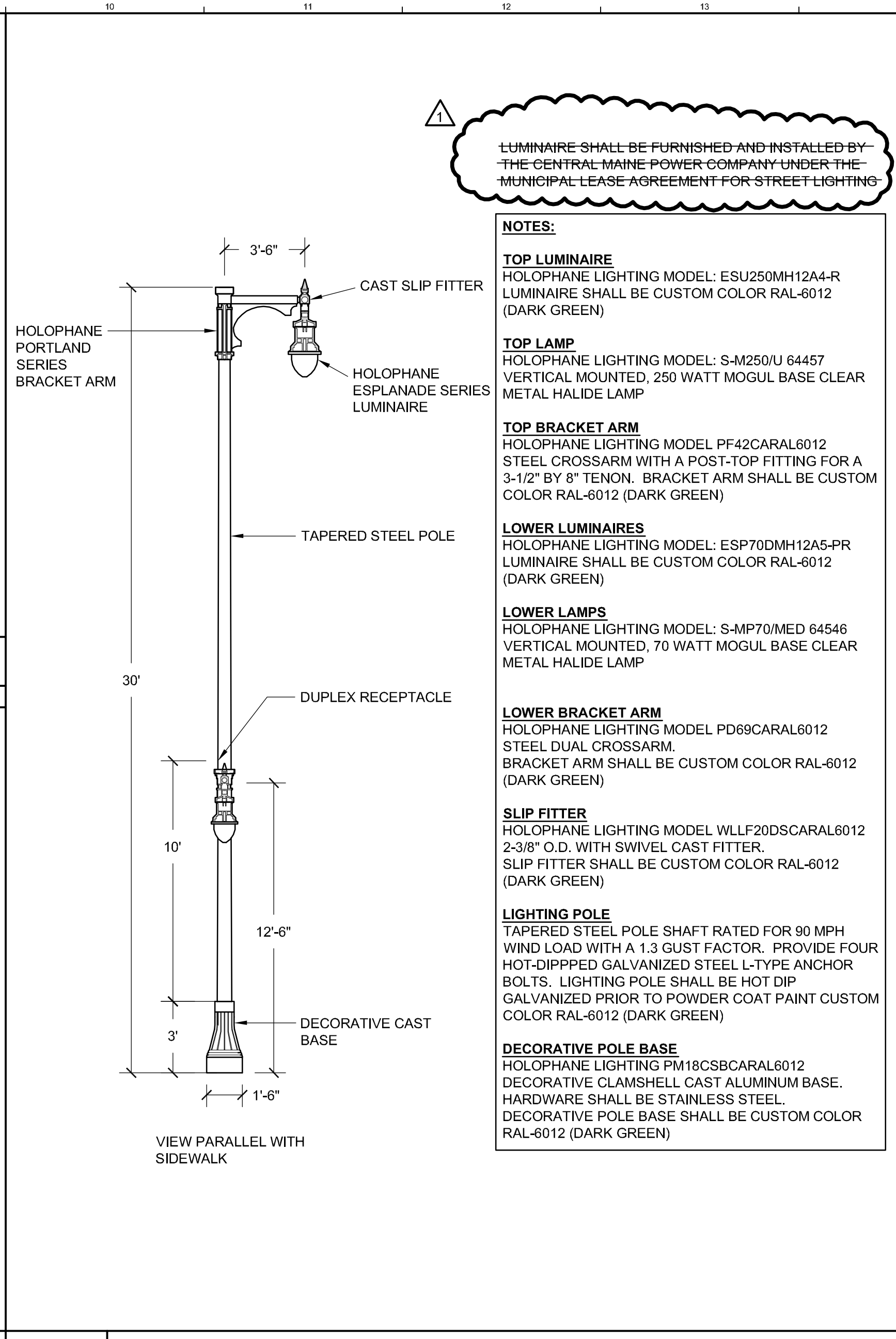
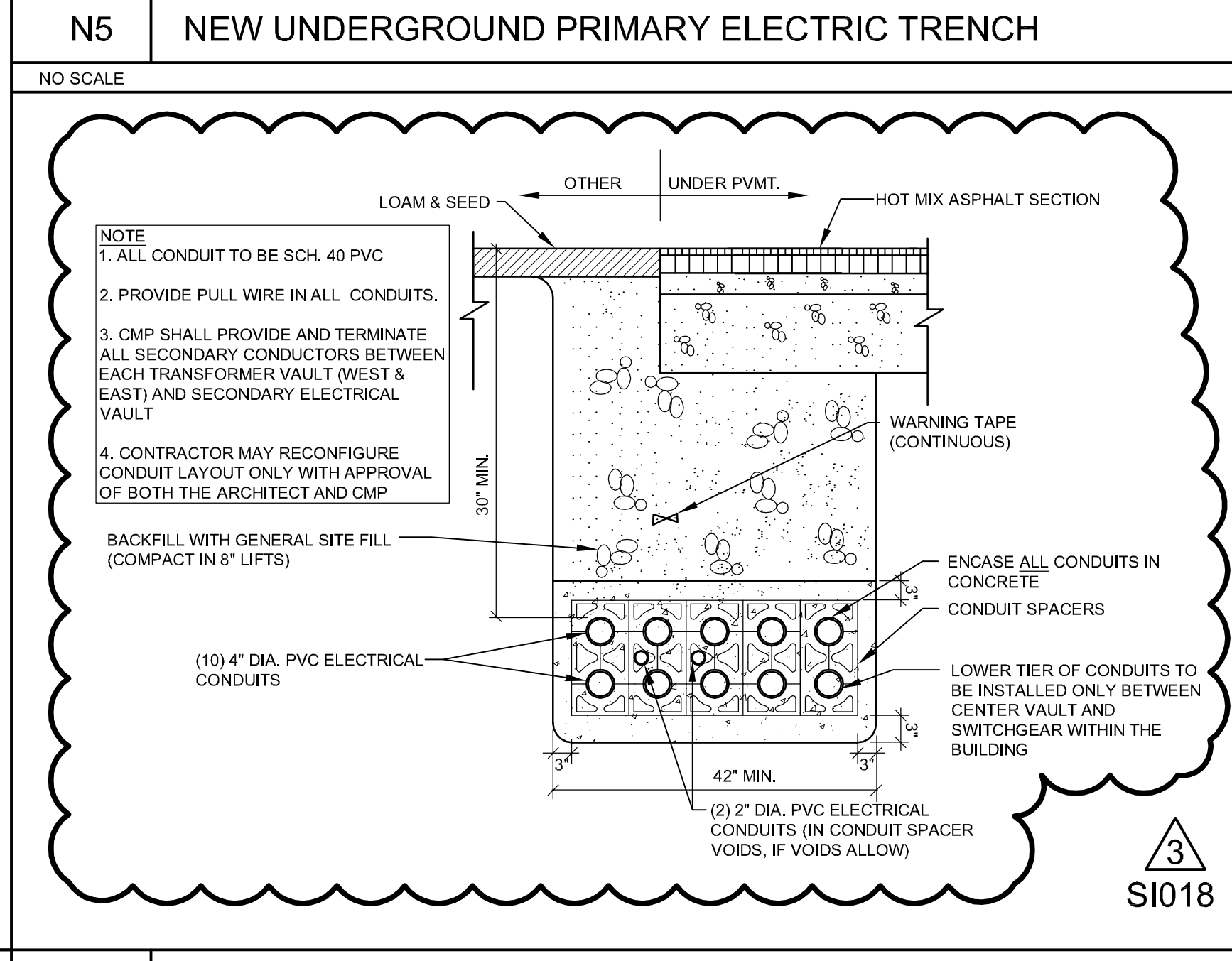
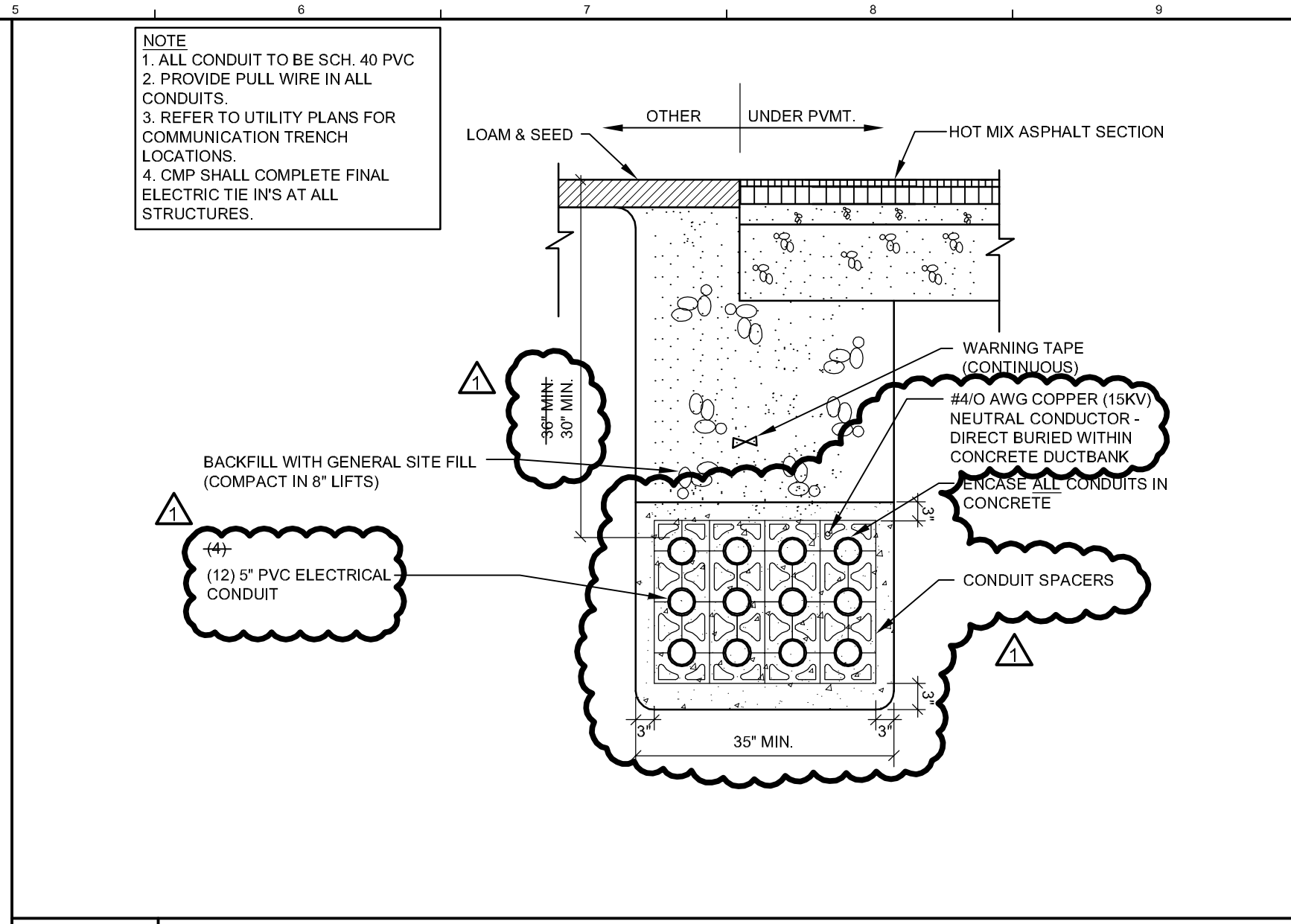
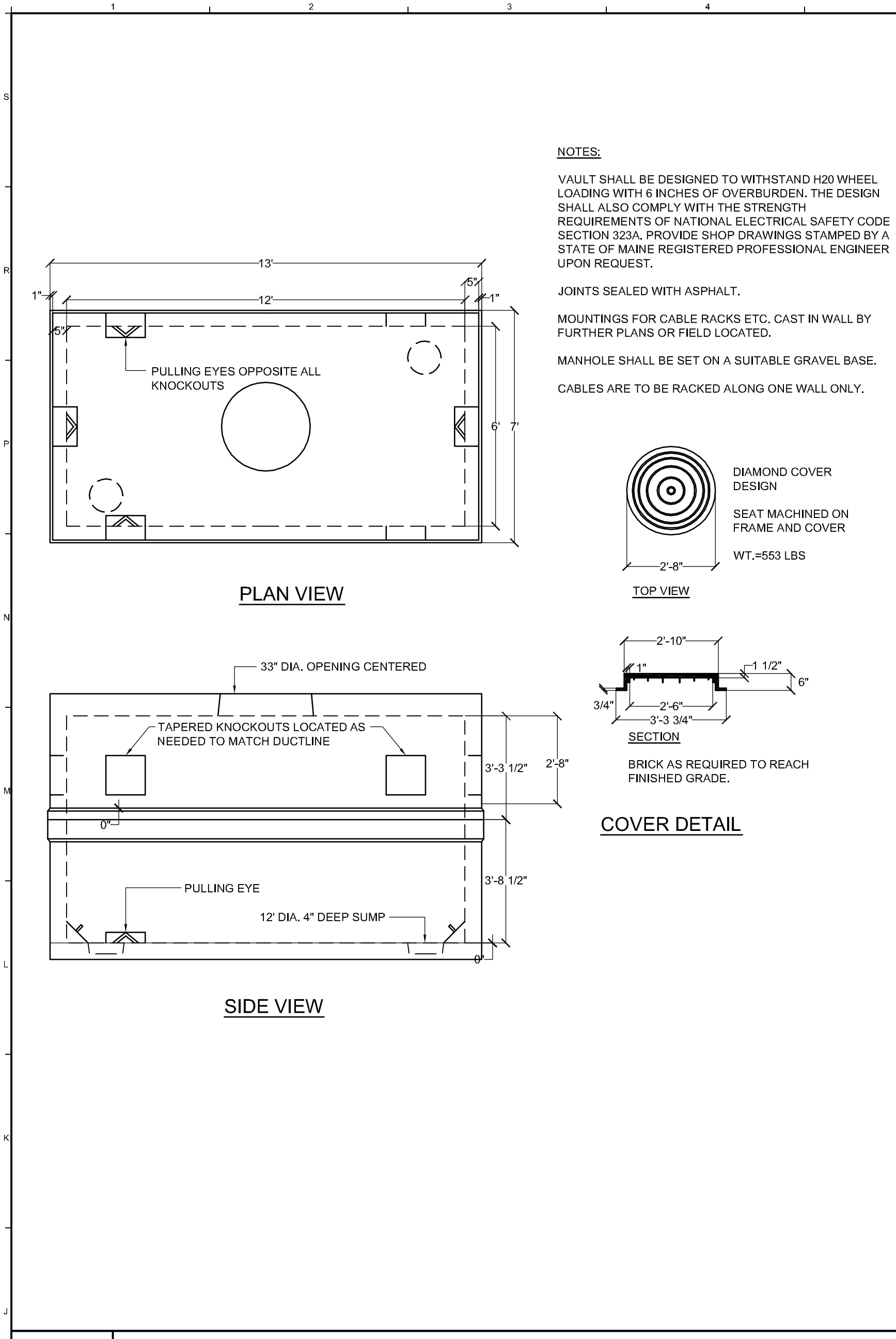
CUMBERLAND COUNTY CIVIC CENTER RENOVATION
 PROJECT: PORTLAND, MAINE

SITE DETAILS

SHEET TITLE:	375700-C501.DWG
WBRC CAD FILE:	3757.00
PROJECT NO.:	3757.00
SCALE:	AS SHOWN
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB

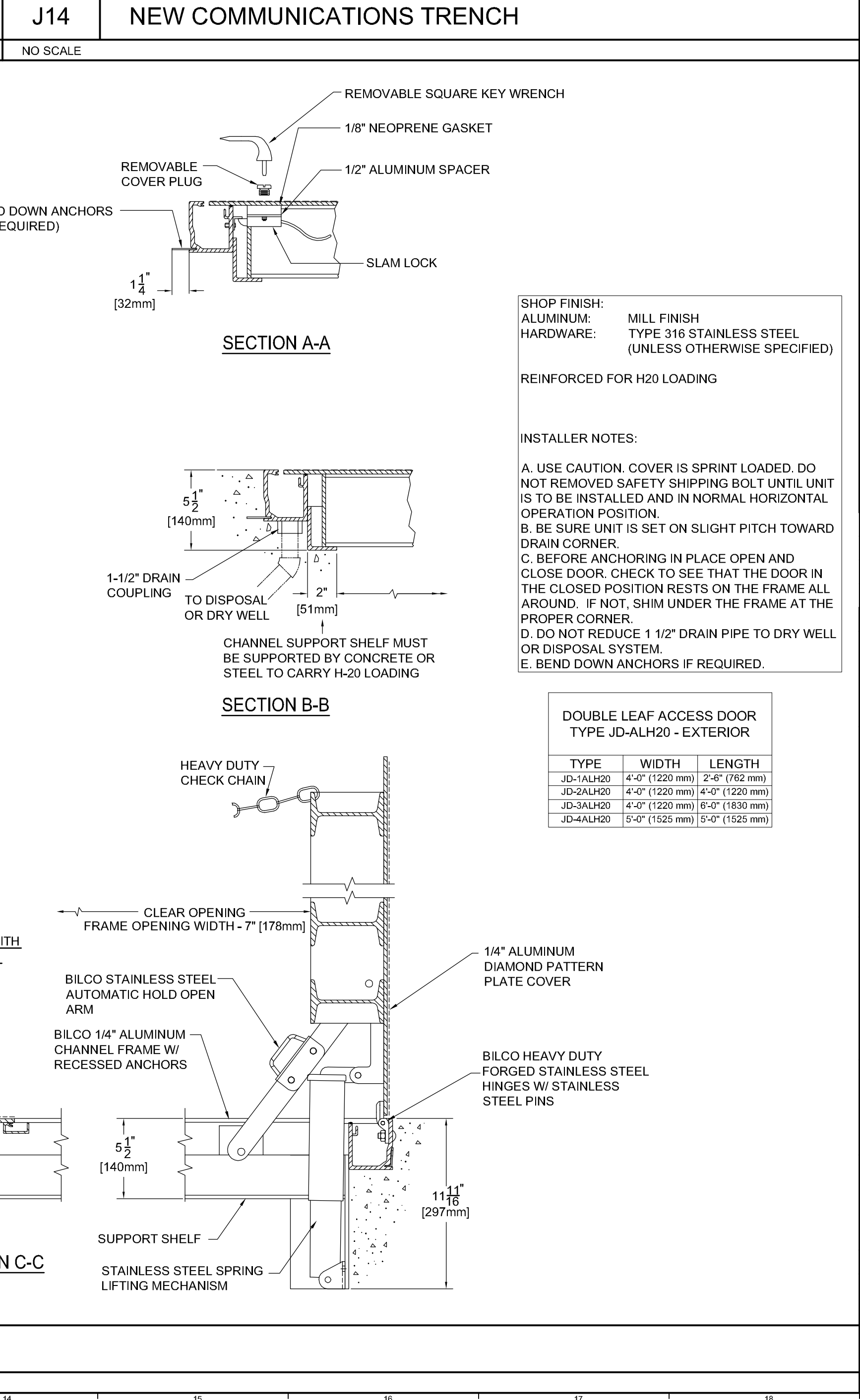
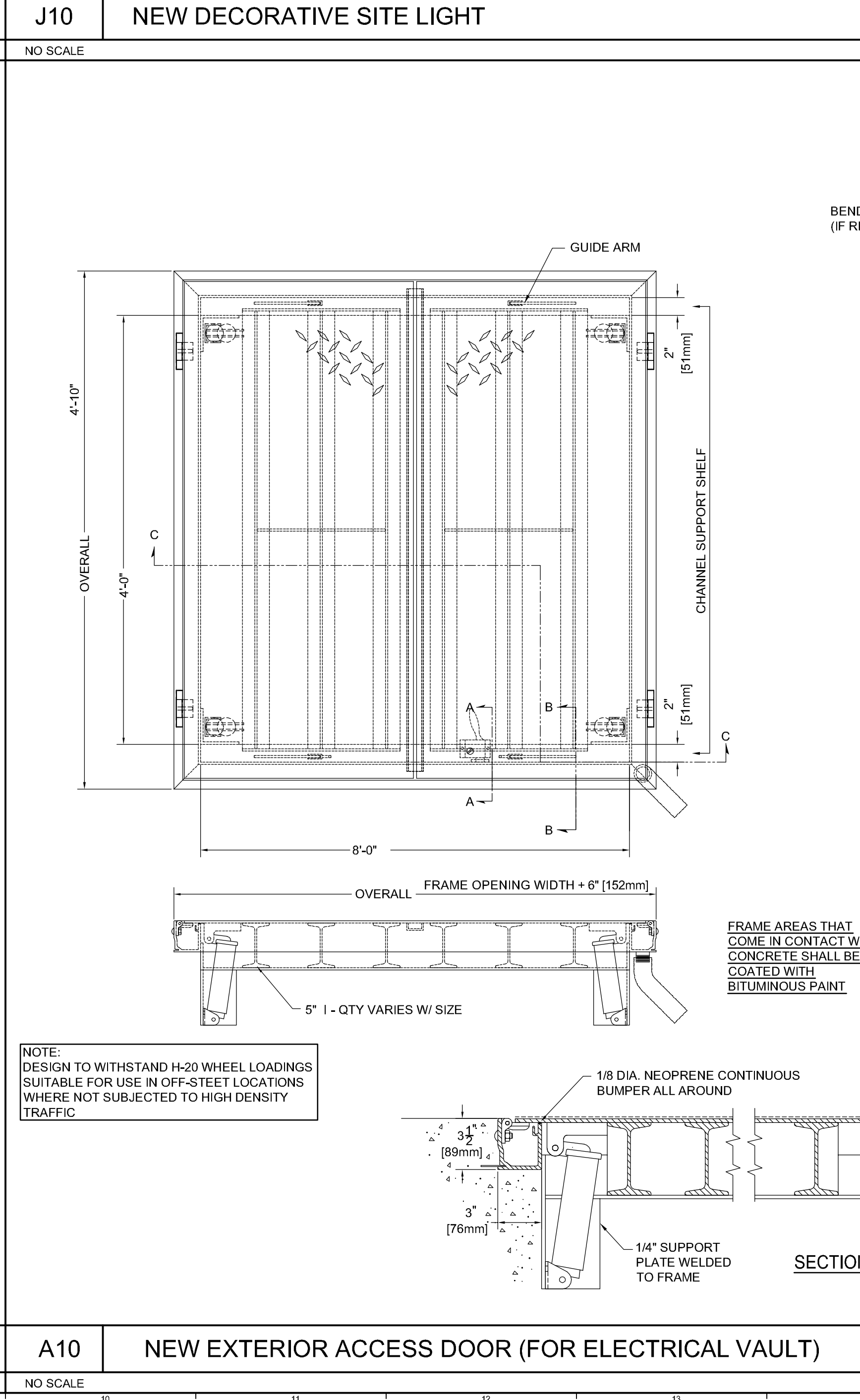
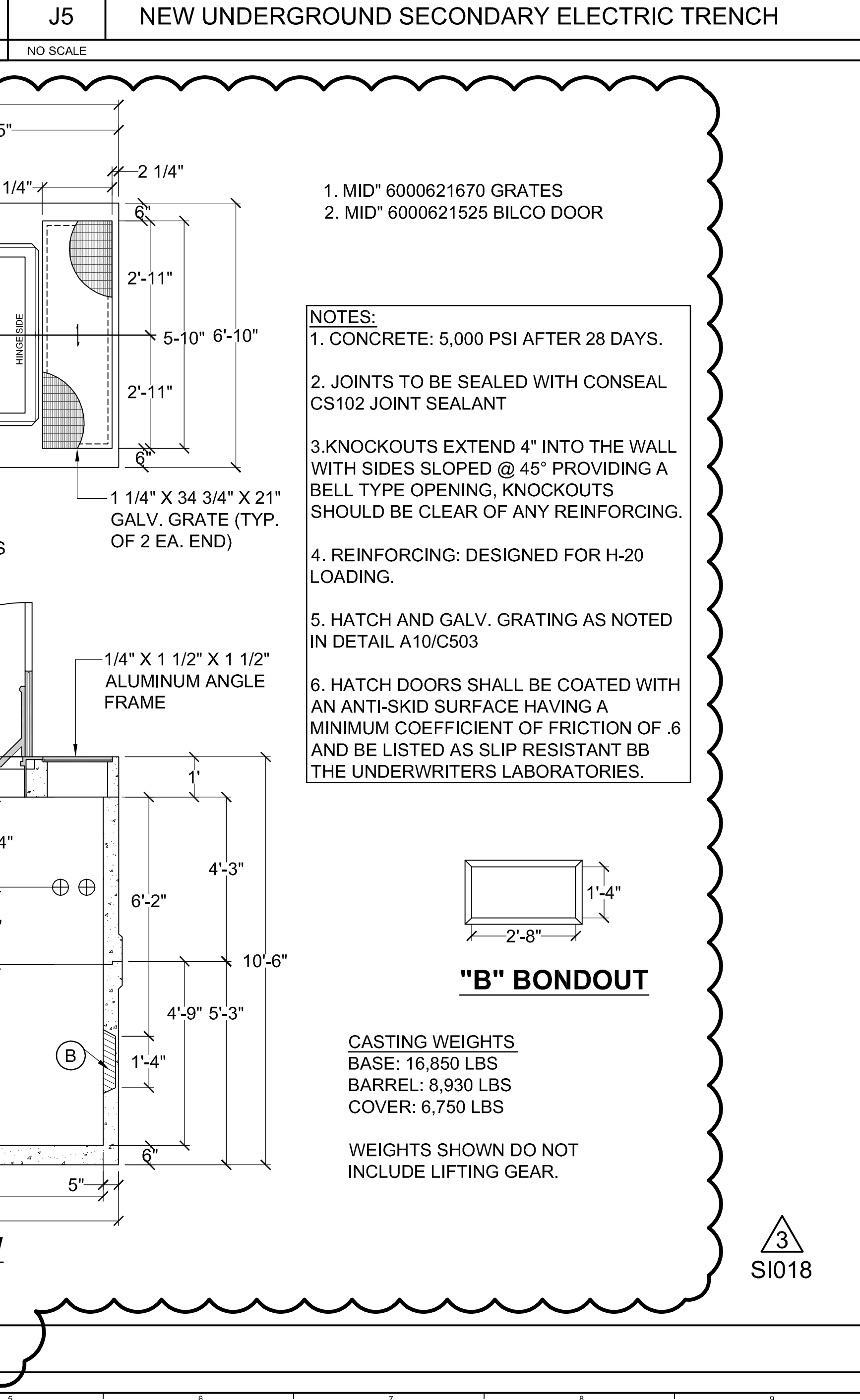
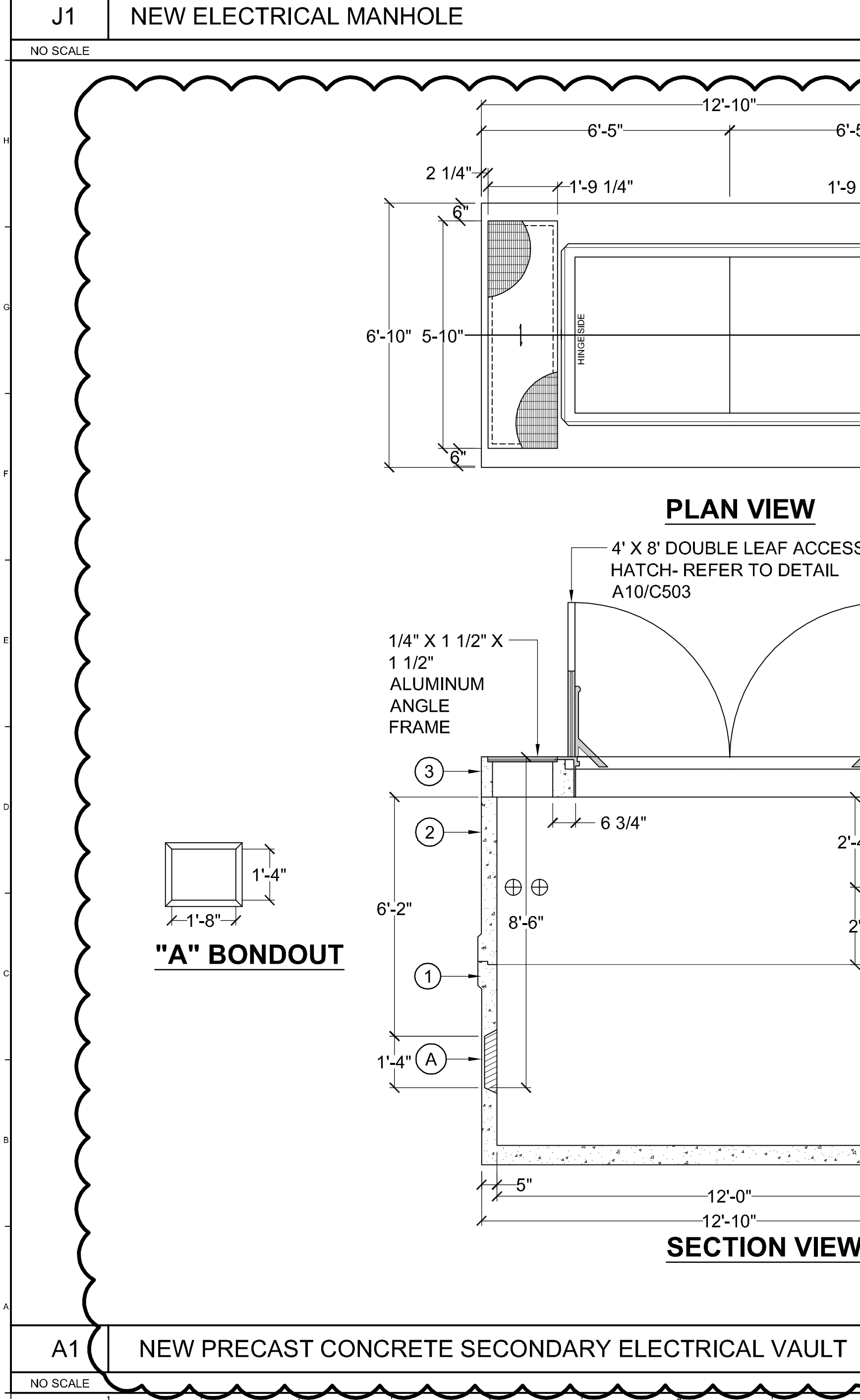
C502

10/18/2013 1:44pm
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CONSTRUCTION DOCUMENTS
01.21.2013

CURRENT ISSUE STATUS:

REV.	DESCRIPTION	DATE
4	CONSTRUCTION DOCUMENTS	01-21-2013
3	SM018	01-17-2013 (R)
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
0	NW ENTRY F.S.E CON DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01.21.2013

DOUBLE LEAF ACCESS DOOR
TYPE JD-ALH20 - EXTERIOR

TYPE	WIDTH	LENGTH
JD-1ALH20	4'-0" (1220 mm)	2'-4" (762 mm)
JD-2ALH20	4'-0" (1220 mm)	4'-0" (1220 mm)
JD-3ALH20	4'-0" (1220 mm)	6'-0" (1830 mm)
JD-4ALH20	5'-0" (1525 mm)	5'-0" (1525 mm)

WBRC ARCHITECTS • ENGINEERS
BANGOR, MAINE 207-947-4318
ROCKLAND, MAINE 207-582-4343
SARASOTA, FLORIDA 941-375-2862

CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

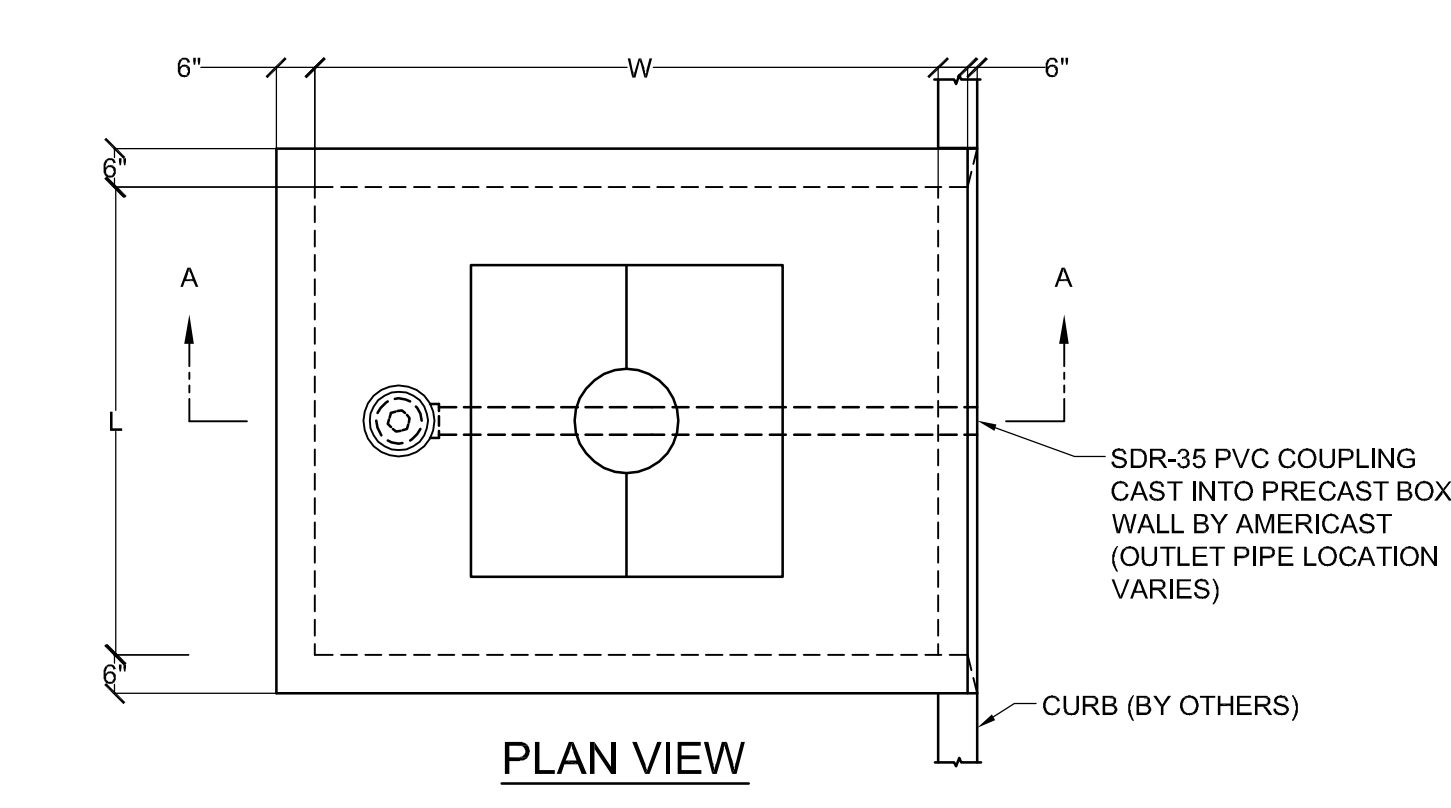
SITE DETAILS

C503

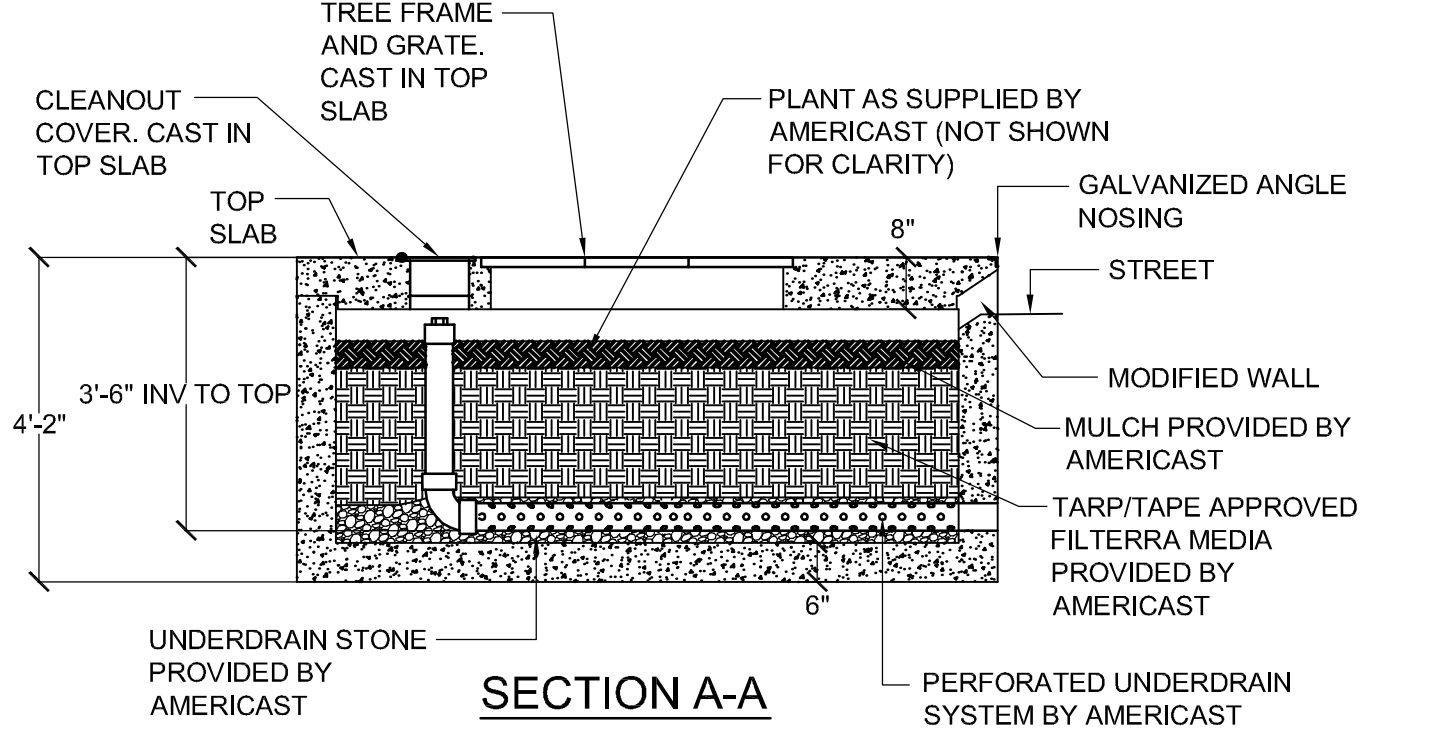
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Suite 110
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303.308.0200
FAX 303.502.0222

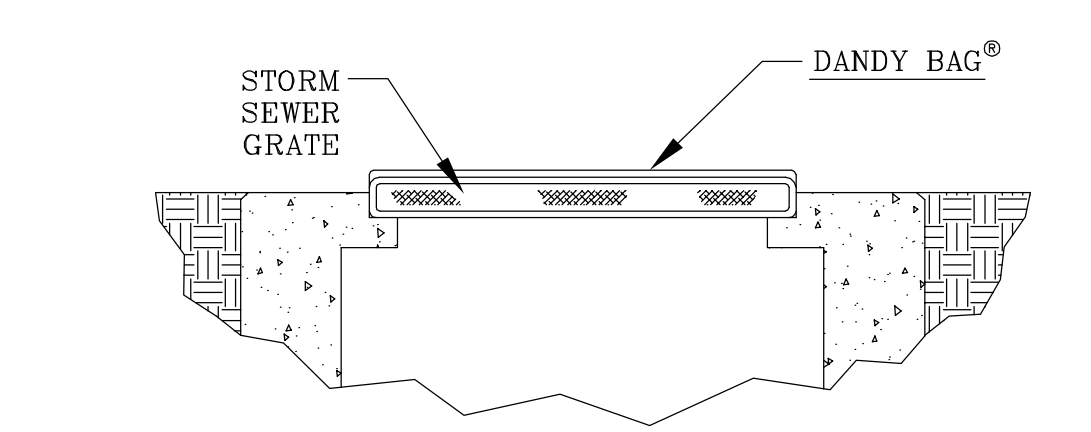
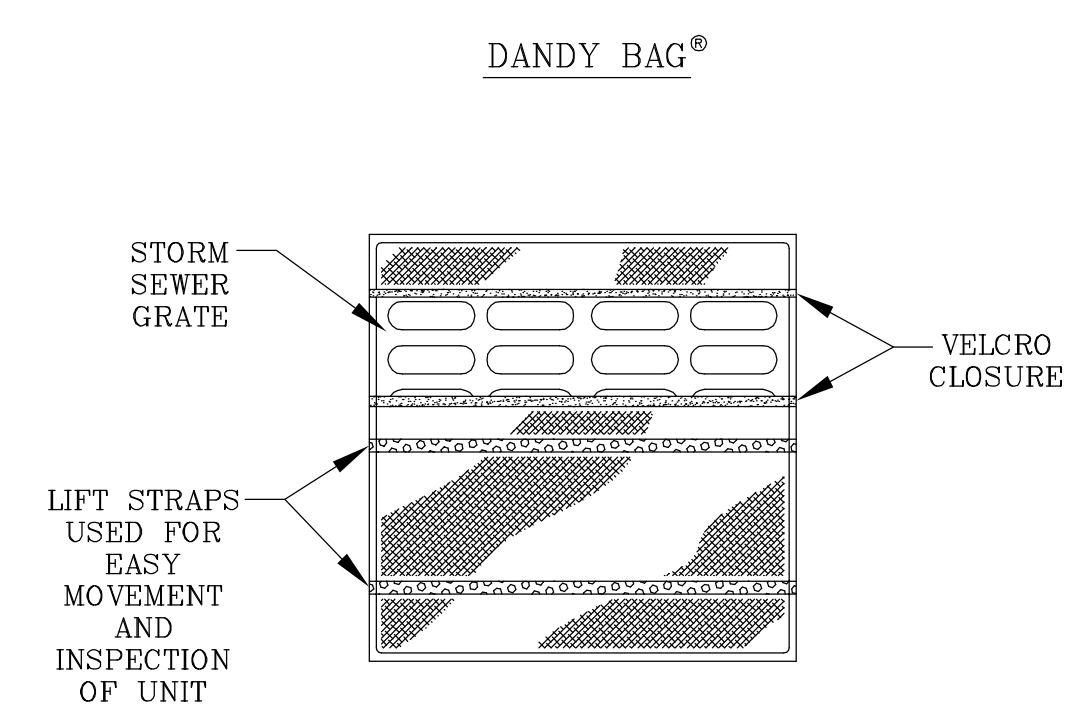


PLAN VIEW



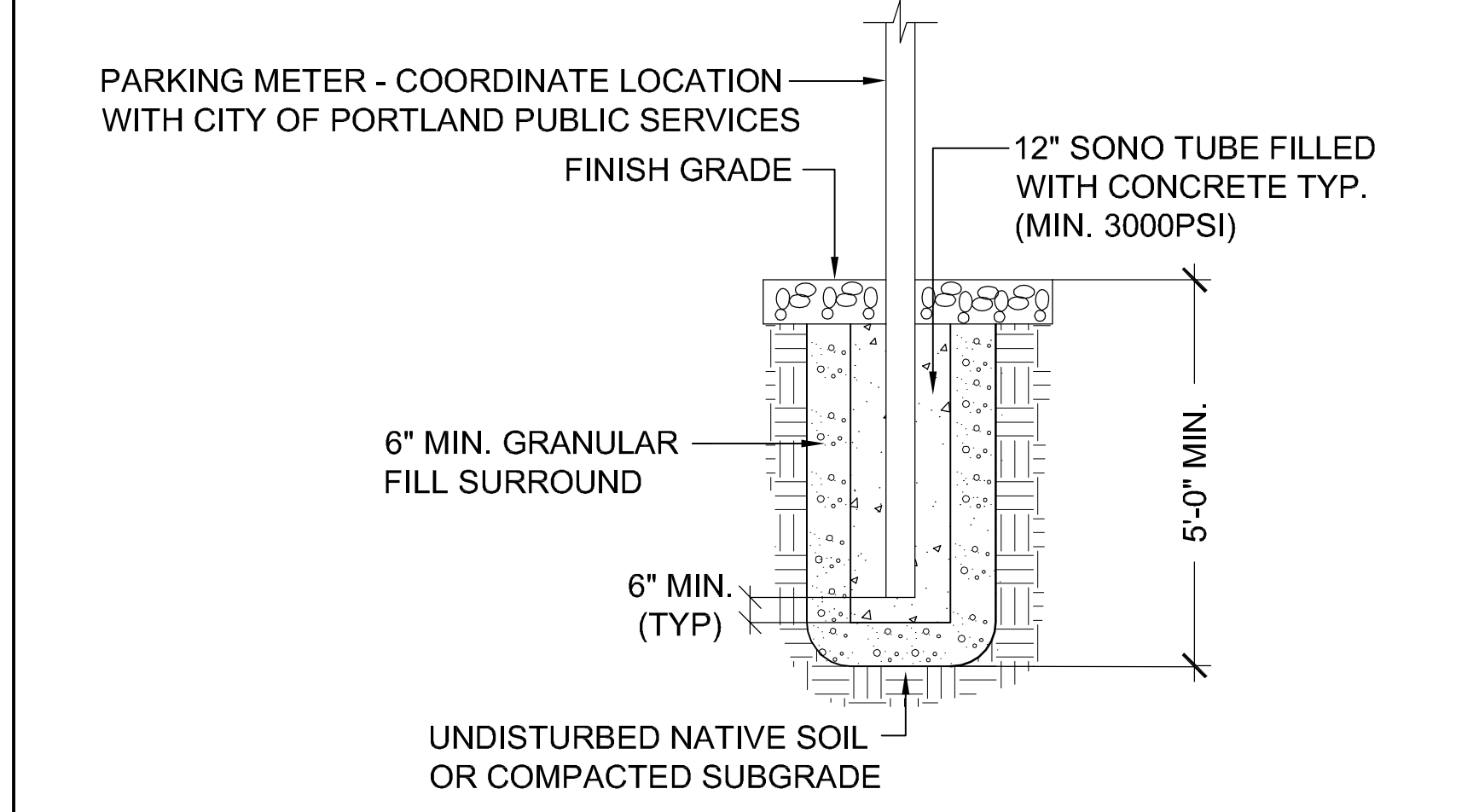
SECTION A-A

DESIGNATION	L	W	TREE GRATE QTY AND SIZE	OUTLET PIPE
4 x 6	4'-0"	6'-0"	(1) 3x3	4" SDR-35 PVC
4 x 8	4'-0"	8'-0"	(1) 3x3	4" SDR-35 PVC
4 x 12	4'-0"	12'-0"	(2) 3x3	4" SDR-35 PVC
6 x 8	6'-0"	8'-0"	(1) 4x4	4" SDR-35 PVC
6 x 10	6'-0"	10'-0"	(1) 4x4	6" SDR-35 PVC
6 x 12	6'-0"	12'-0"	(2) 4x4	6" SDR-35 PVC
7 x 13	7'-0"	13'-0"	(2) 4x4	6" SDR-35 PVC



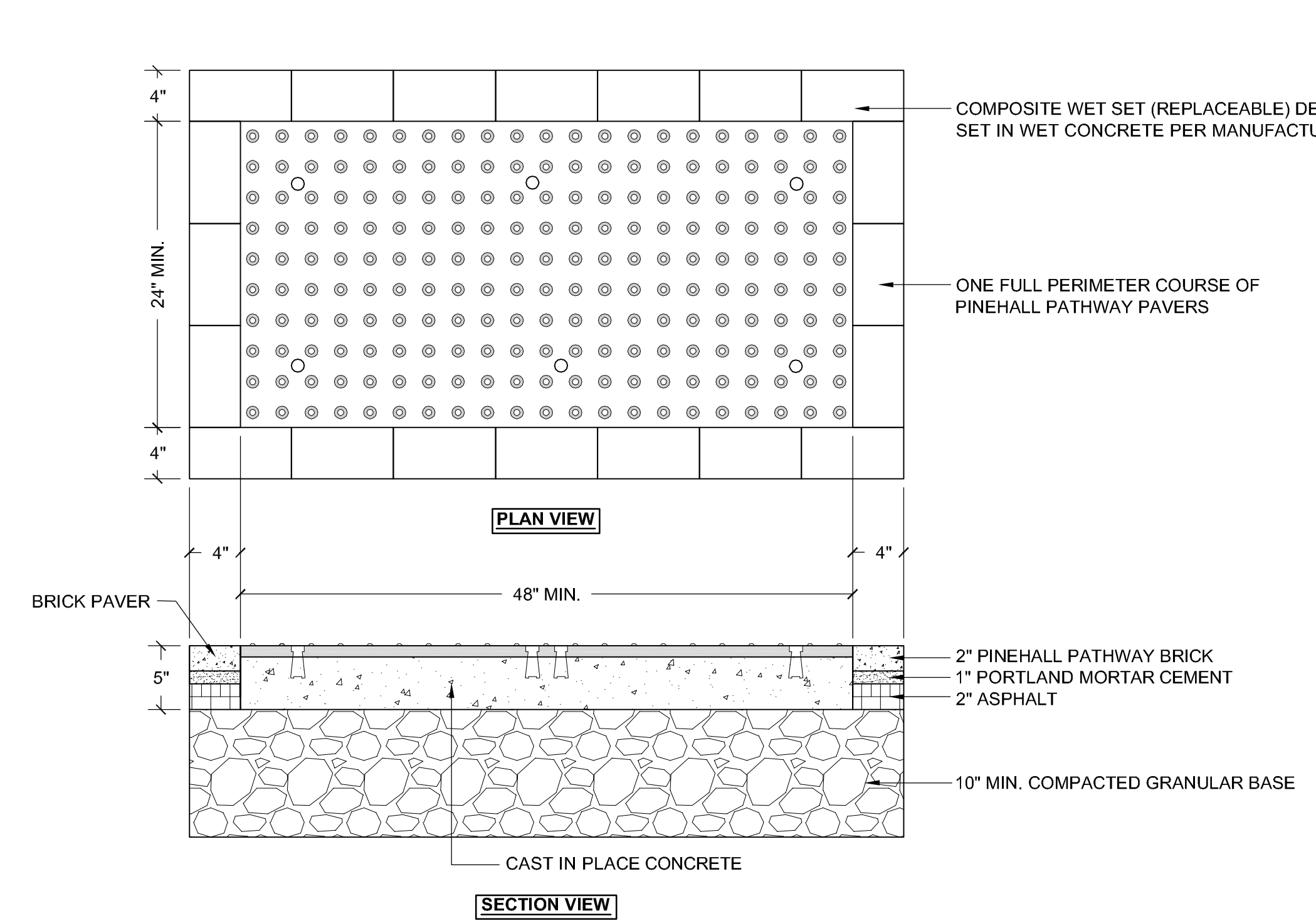
N5 INLET SEDIMENT CONTROL DEVICE

NO SCALE



J5 REMOVE/RESET EXISTING PARKING METER

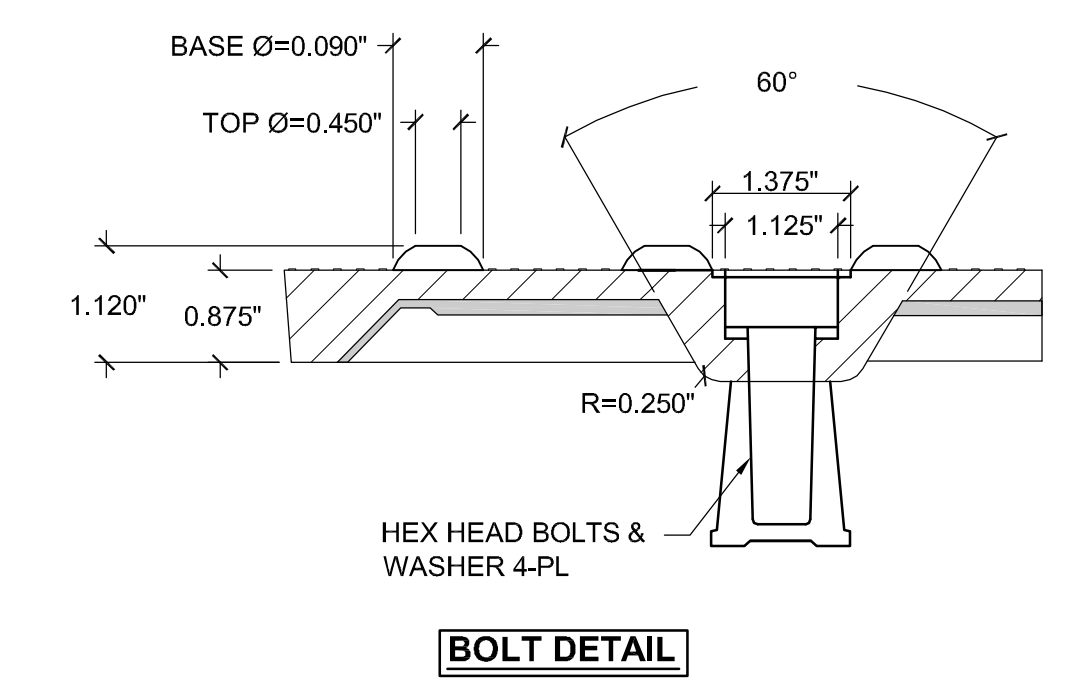
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PLAN VIEW

SECTION VIEW

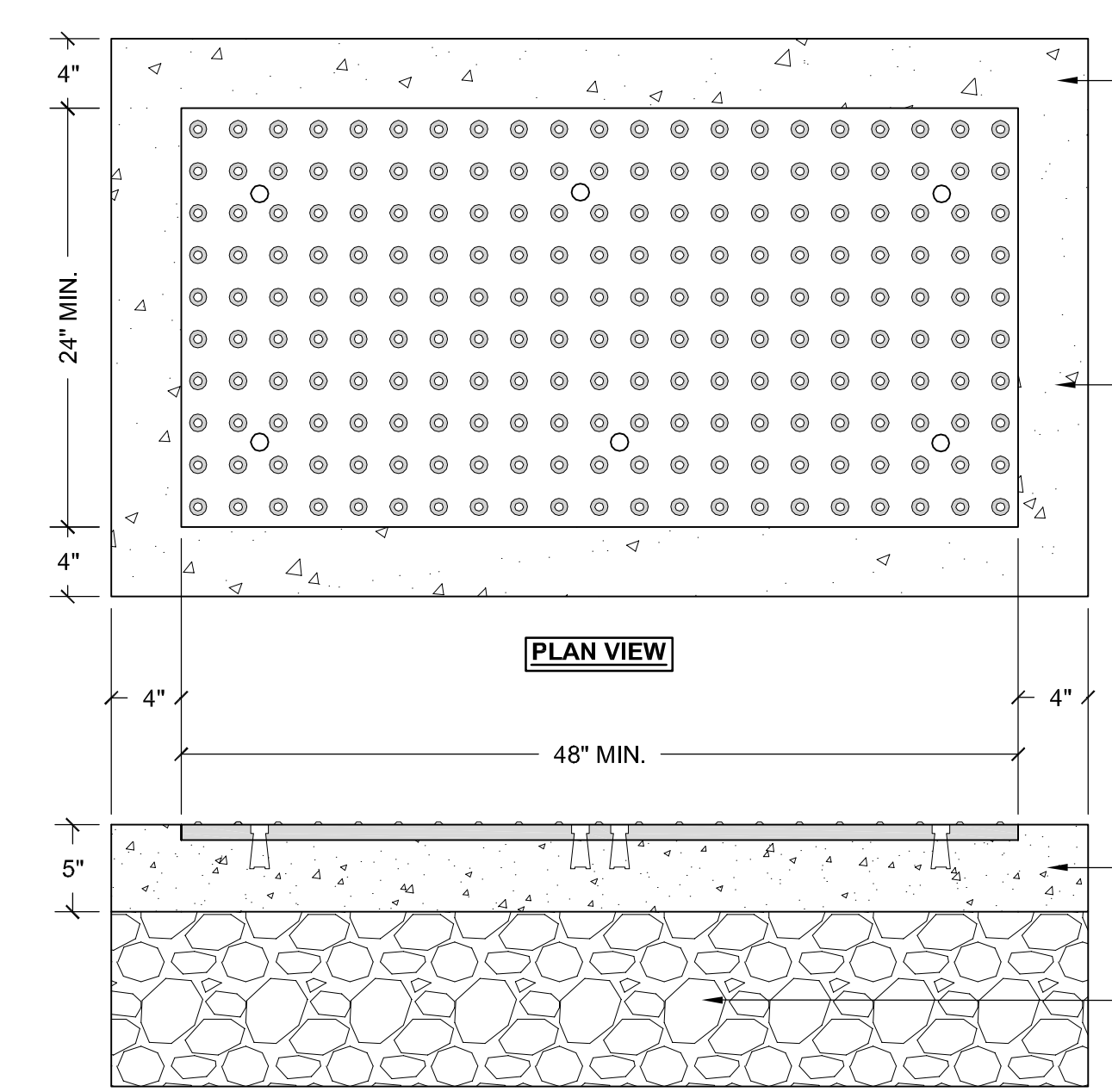
1. COMPOSITE WET SET (REPLACEABLE) DETECTABLE WARNING PANELS SHALL BE AS MANUFACTURED BY ADA SOLUTIONS, INC. (WWW.ADATILES.COM), OR APPROVED EQUAL.
2. CAST IN PLACE CONCRETE SHALL MEET SPECIFICATIONS FOR MAINE D.O.T. CLASS A STRUCTURAL CONCRETE. MINIMUM COMPRESSIVE STRENGTH 4,000 PSI. THE CONCRETE SHALL BE SEALED PRIOR TO SETTING PANELS.
3. TRUNCATED DOMES SHALL BE ALIGNED IN ROWS, PARALLEL AND PERPENDICULAR TO THE PREDOMINANT DIRECTION OF TRAVEL. NO OTHER DETECTABLE WARNING DESIGN OR CONFIGURATION IS ALLOWED.
4. FOR ALL DETECTABLE WARNING PANELS, WITHIN OR ABUTTING HISTORIC DISTRICTS AND HISTORIC LANDSCAPES, "DARK GRAY" COLORED (#36118) PANELS SHALL BE USED. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
5. THE DETECTABLE WARNING PANEL SHALL HAVE ONE FULL COURSE OF PINEHALL PATHWAY PAVERS (THE CURRENT BRICK STANDARD) AROUND THE FULL PERIMETER OF THE PANEL. THIS PERIMETER COURSE SHALL BE SET USING PORTLAND MORTAR CEMENT TO CREATE A FLUSH SURFACE BETWEEN THE BRICK AND THE PANEL.
6. SIZE: THE DETECTABLE WARNING PANEL(S) SHALL EXTEND 24 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP, LANDING, OR BLENDED TRANSITION TO THE STREET.
7. ORIENTATION: THE DETECTABLE WARNING PANEL SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE CURB LINE. THE PANEL SHALL BE ORIENTED TO THE DIRECTION OF TRAVEL AS IDENTIFIED BY THE POINT OF EGRESS.



BOLT DETAIL

J1 NEW 6x6 MODIFIED PRECAST FILTERRA® SUMP GRATED INLET CONFIGURATION W/ GRATING

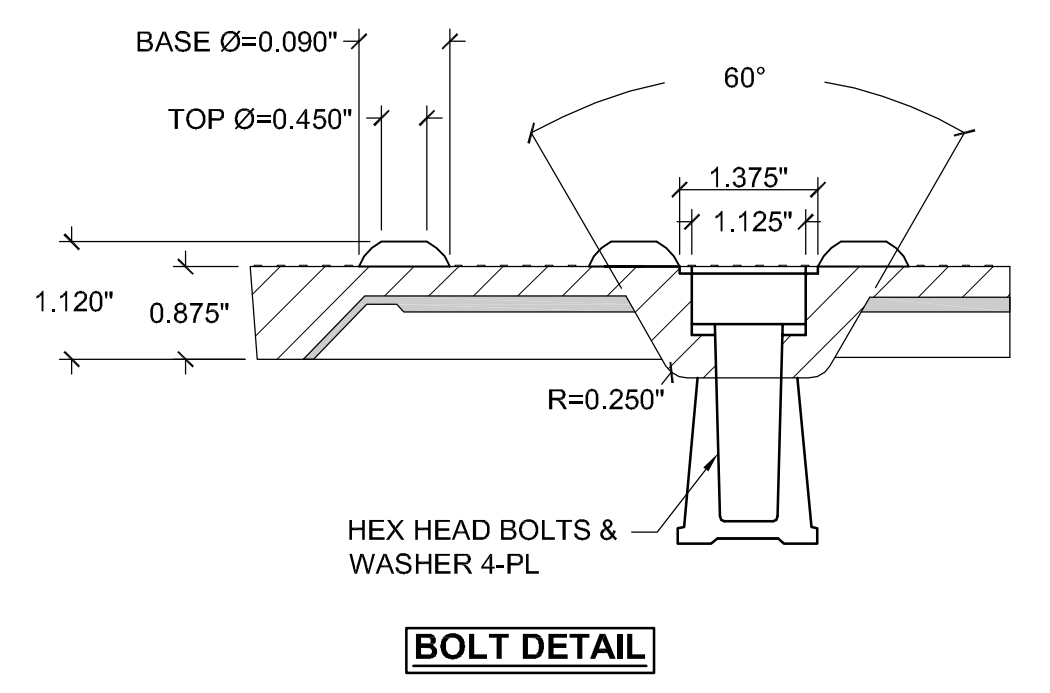
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PLAN VIEW

SECTION VIEW

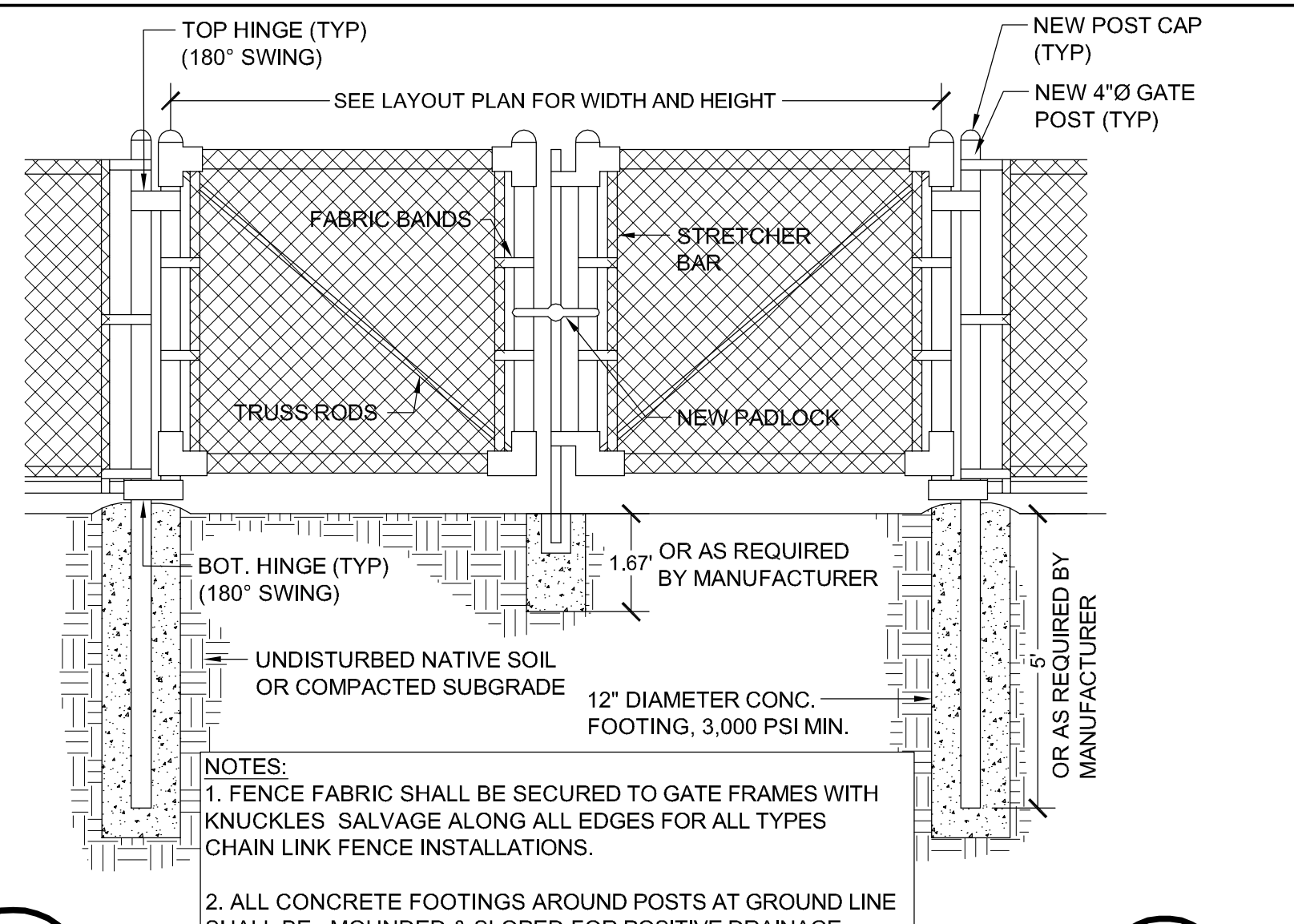
1. COMPOSITE WET SET (REPLACEABLE) DETECTABLE WARNING PANELS SHALL BE AS MANUFACTURED BY ADA SOLUTIONS, INC. (WWW.ADATILES.COM), OR APPROVED EQUAL.
2. CAST IN PLACE CONCRETE SHALL MEET SPECIFICATIONS FOR MAINE D.O.T. CLASS A STRUCTURAL CONCRETE. MINIMUM COMPRESSIVE STRENGTH 4,000 PSI. THE CONCRETE SHALL BE SEALED PRIOR TO SETTING PANELS.
3. TRUNCATED DOMES SHALL BE ALIGNED IN ROWS, PARALLEL AND PERPENDICULAR TO THE PREDOMINANT DIRECTION OF TRAVEL. NO OTHER DETECTABLE WARNING DESIGN OR CONFIGURATION IS ALLOWED.
4. FOR ALL DETECTABLE WARNING PANELS, WITHIN OR ABUTTING HISTORIC DISTRICTS AND HISTORIC LANDSCAPES, "DARK GRAY" COLORED (#36118) PANELS SHALL BE USED. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
5. THE DETECTABLE WARNING PANEL SHALL HAVE ONE FULL COURSE OF PINEHALL PATHWAY PAVERS (THE CURRENT BRICK STANDARD) AROUND THE FULL PERIMETER OF THE PANEL. THIS PERIMETER COURSE SHALL BE SET USING PORTLAND MORTAR CEMENT TO CREATE A FLUSH SURFACE BETWEEN THE BRICK AND THE PANEL.
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BOLT DETAIL

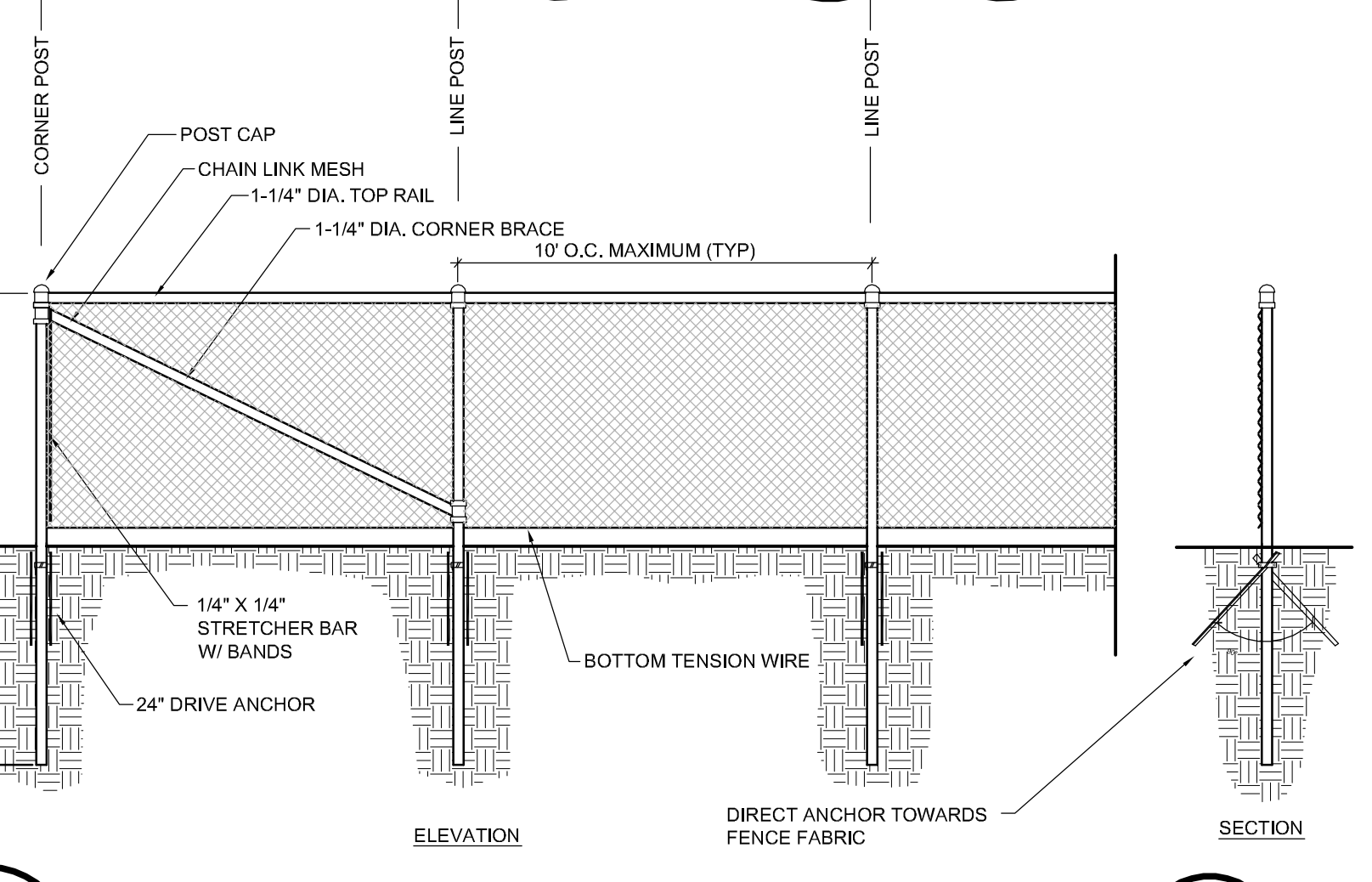
A1 NEW DETECTABLE WARNING PANEL (EXISTING ADA RAMP) - NON HISTORIC DISTRICT INSTALLATION

NO SCALE



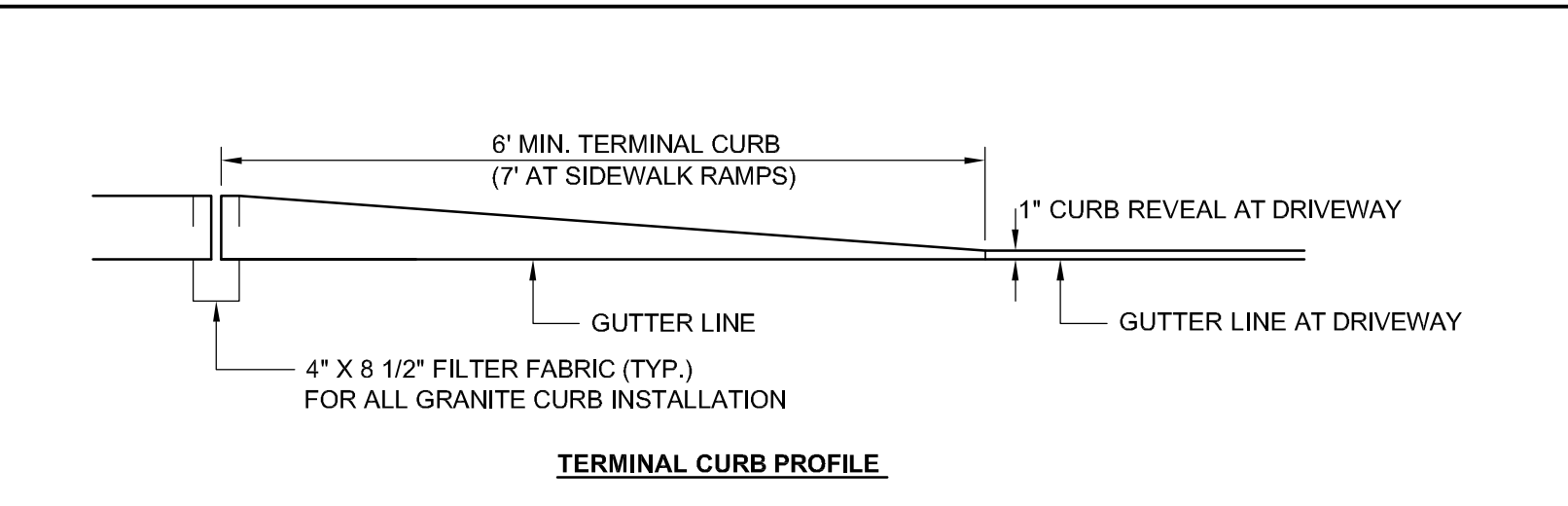
E10 TEMPORARY SECURITY DOUBLE SWING GATE

NO SCALE

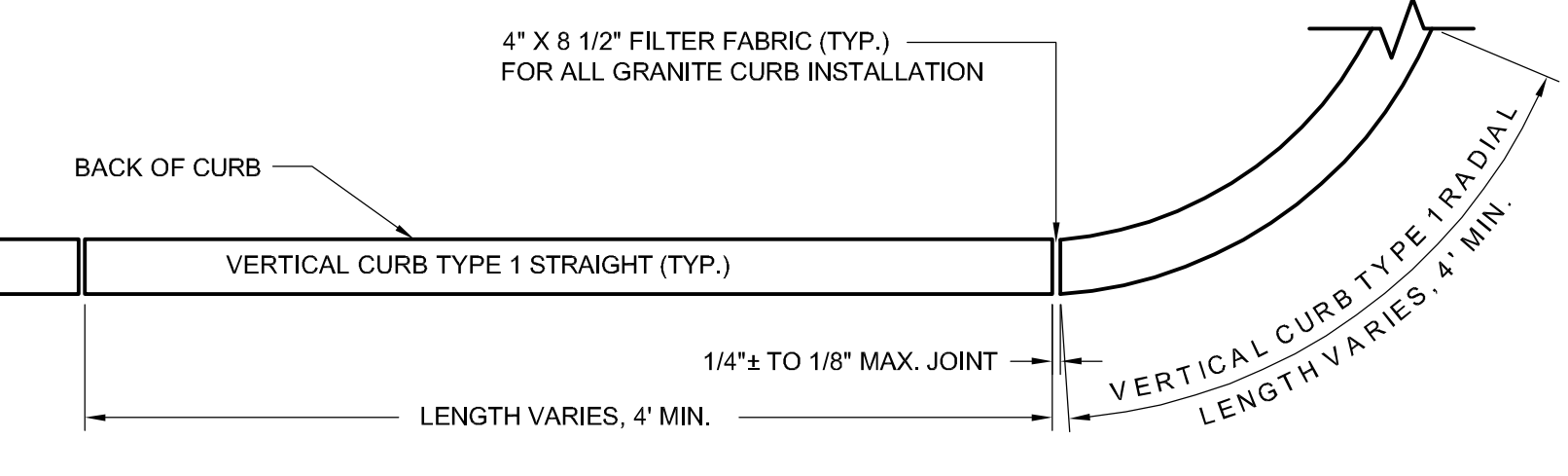


A10 TEMPORARY SECURITY CHAIN LINK FENCE

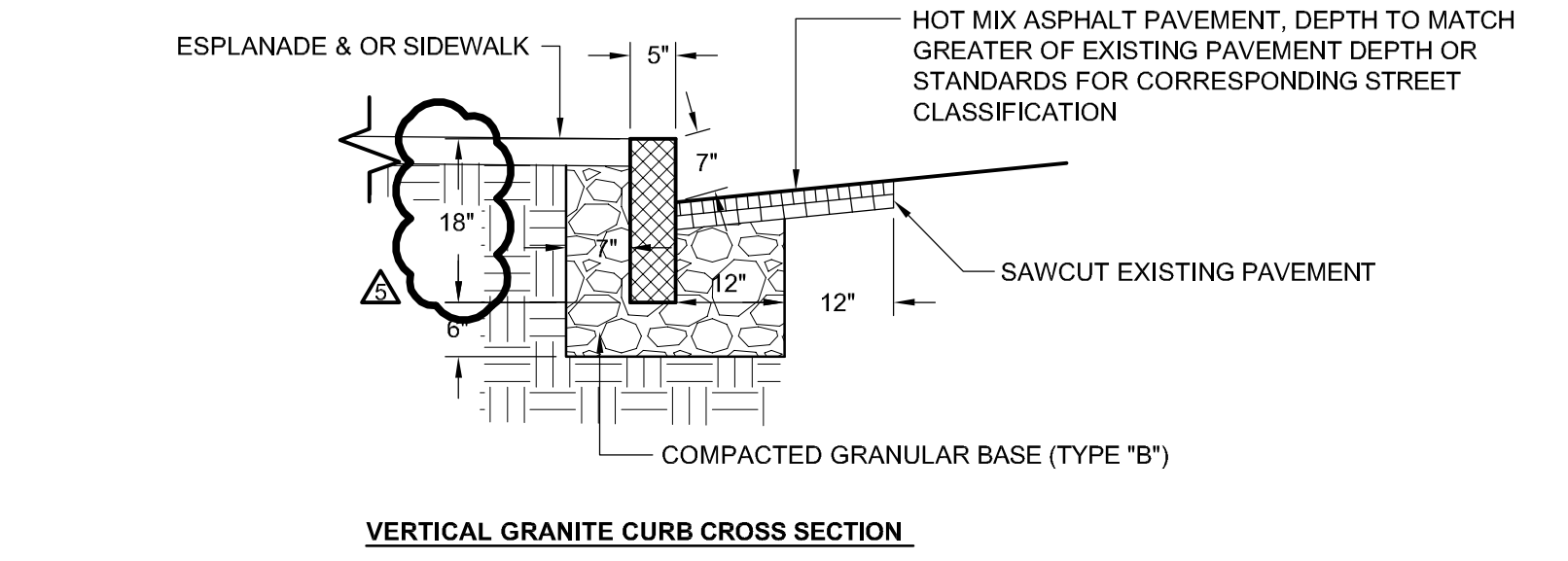
NO SCALE



TERMINAL CURB PROFILE



VERTICAL GRANITE CURB PLAN VIEW



VERTICAL GRANITE CURB CROSS SECTION

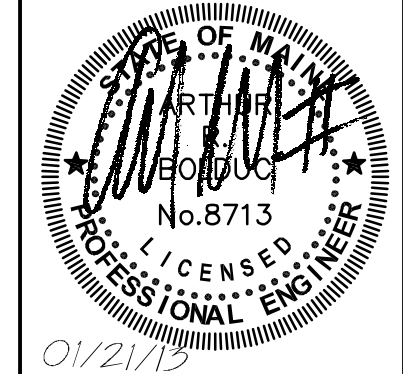
A14 NEW GRANITE CURB

NO SCALE

REV.	DESCRIPTION	DATE
5	CONSTRUCTION DOCUMENTS	01-21-2013
4	NW ENTRY CONSTRUCTION DOCS	10-31-2012
3	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
2	NW ENTRY F.S.E CON DOCS	08-23-2012
1	ADDENDUM #1	08.09.12 (R)

CONSTRUCTION DOCUMENTS 01.21.2013

CURRENT ISSUE STATUS:



WBRC ARCHITECTS • ENGINEERS

CUMBERLAND COUNTY CIVIC CENTER RENOVATION

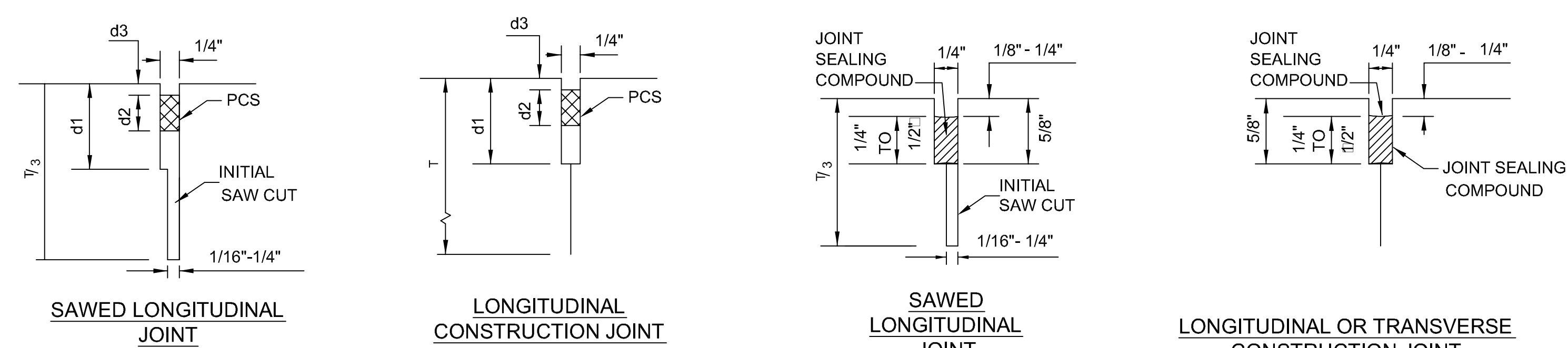
PROJECT: PORTLAND, MAINE

SITE DETAILS

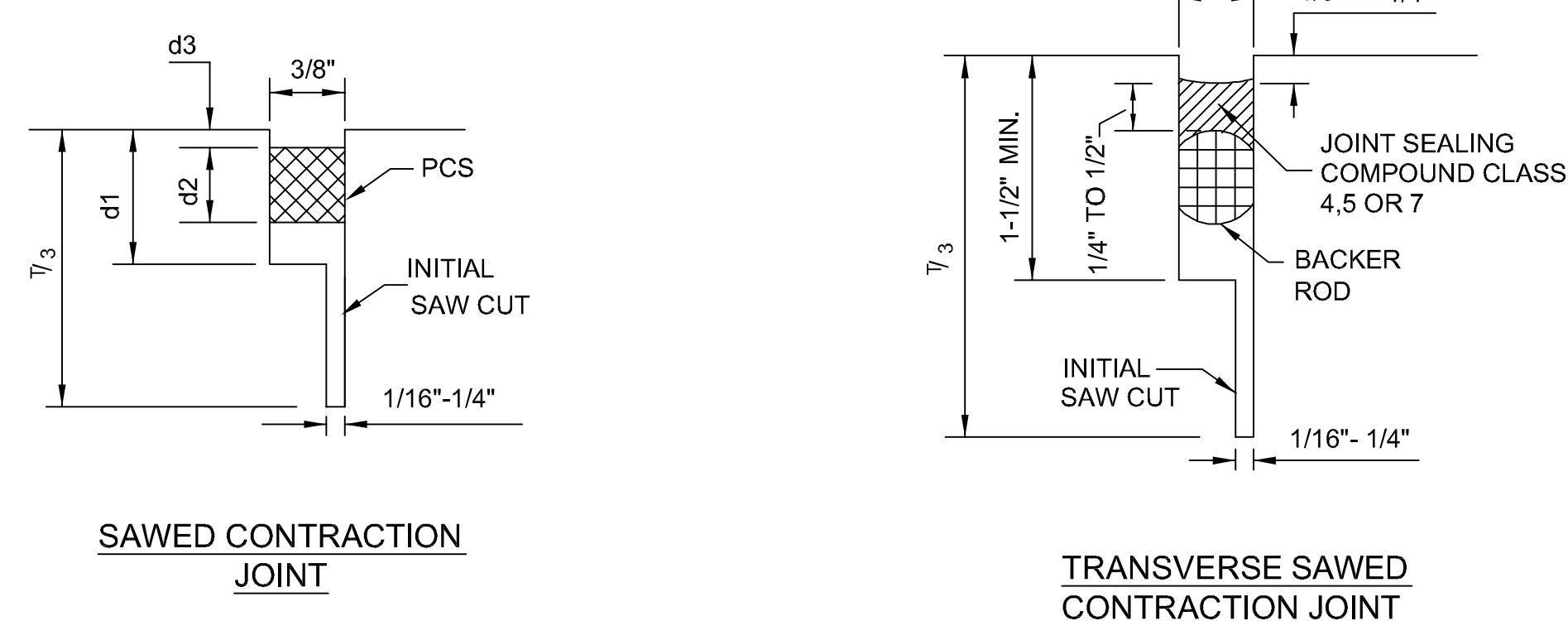
SHEET TITLE:	375700-C501.DWG
WBRC CAD FILE:	3757.00
SCALE:	AS SHOWN
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB

C504

15:18:2013 1:53pm
 I:\10156630\375700\Cumberland_Civic_Center_Renov\Drawings\Site\375700-C501.dwg ldsj\chords



LONGITUDINAL JOINT SEALS

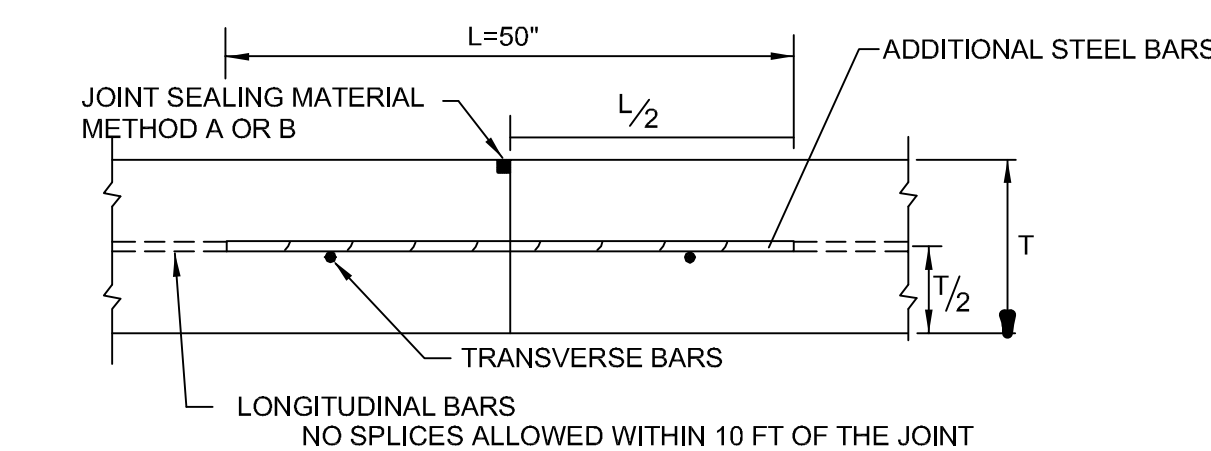


METHOD A: PREFORMED COMPRESSION SEALS (PCS)

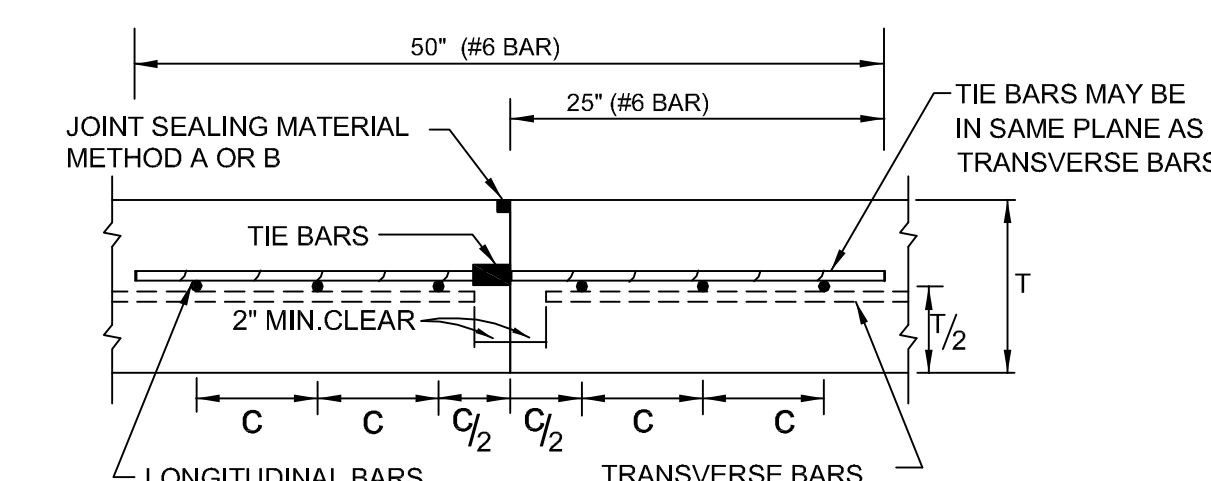
METHOD B: JOINT SEALING COMPOUND

GENERAL NOTES FOR JOINT SEALS

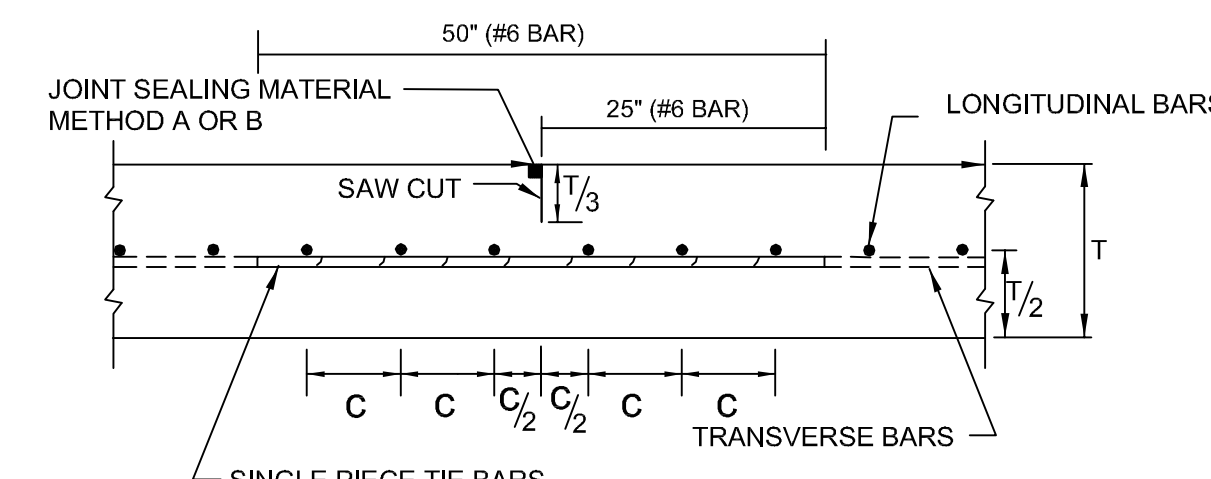
- UNLESS OTHERWISE SHOWN IN THE PLANS, EITHER METHOD "A" OR METHOD "B" MAY BE USED.
- REFER TO SHEET CP101 SITE LAYOUT PLAN FOR JOINT LOCATIONS.
- DIMENSIONS d1, d2, AND d3 SHALL BE IN ACCORDANCE WITH THE PREFORMED COMPRESSION SEAL MANUFACTURERS RECOMMENDATION.
- THE JOINT RESERVOIR FOR SEALANT SHALL BE SAWS UNLESS OTHER-WISE SHOWN ON THE PLANS FOR THE LONGITUDINAL AND TRANSVERSE CONSTRUCTION AND THE TWO SAWS JOINTS.
- THE JOINTS SHALL BE CLEANED PRIOR TO BEGINNING OPERATIONS, THE CONTRACTOR SHALL SUBMIT A STATEMENT FROM THE SEALANT MANUFACTURER SHOWING THE RECOMMENDED EQUIPMENT AND INSTALLATION PROCEDURES TO BE USED.



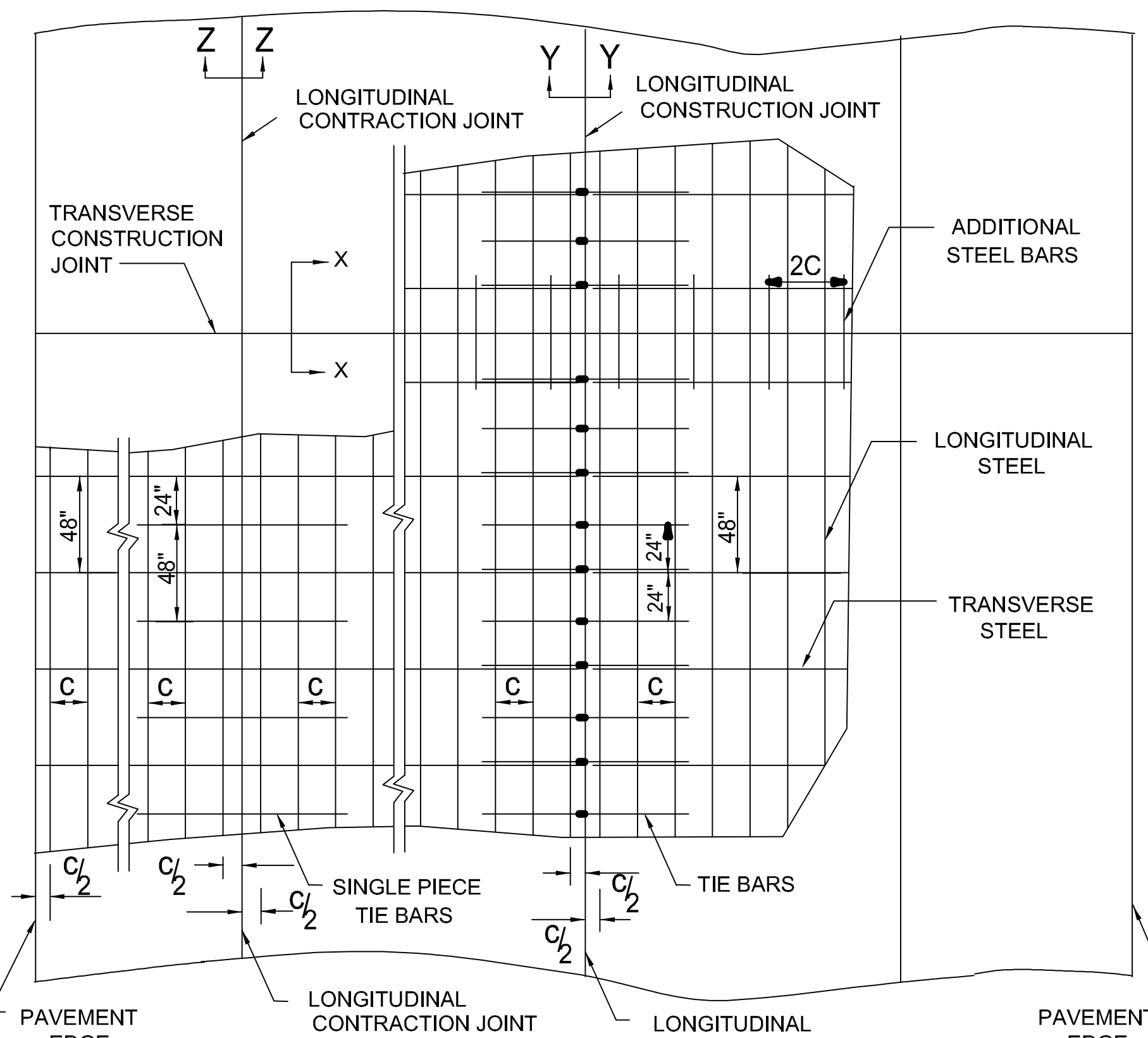
TYP. TRANSVERSE CONSTRUCTION JOINT (48'-0" O.C. MAX) SECTION X - X



TYP. LONGITUDINAL CONSTRUCTION JOINT (24'-0" O.C. MAX) SECTION Y - Y



TYP. CONTRACTION JOINT (12'-0" O.C. MAX) SECTION Z - Z



TYPICAL PAVEMENT LAYOUT

PLAN VIEW (NOT TO SCALE)

GENERAL NOTES

- SUBMIT PROPOSED JOINT LAYOUT PLAN TO ARCHITECT FOR APPROVAL PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- REFER TO METHOD "A" AND METHOD "B", "CONCRETE PAVING DETAILS, JOINT SEALS" ON THIS SHEET
- ALL THE REINFORCING STEEL AND TIE BARS SHALL BE DEFORMED EPOXY COATED STEEL BARS CONFORMING TO ASTM A 934. STEEL BAR SIZES SHALL CONFORM TO TABLE NO. 1 & 2.
- STEEL BAR PLACEMENT TOLERANCE SHALL BE +/- 1 IN. HORIZONTALLY AND +/- 0.5 IN. VERTICALLY. CALCULATED AVERAGE BAR SPACING (CONCRETE PLACEMENT WIDTH / NUMBER OF LONGITUDINAL BARS) SHALL CONFORM TO TABLE NO.1 AND AS SPECIFIED.
- THE SAW CUT DEPTH FOR THE LONGITUDINAL CONTRACTION JOINT SHALL BE ONE THIRD OF THE SLAB THICKNESS.
- WHEN APPROVED BY THE ENGINEER, SINGLE PIECE TIE BARS MAY BE USED BY INSERTING INTO PLASTIC CONCRETE AT LONGITUDINAL CONSTRUCTION JOINTS.
- MISSING OR DAMAGED TIE BARS SHALL BE REPLACED BY DRILLING AND EPOXY GROUTING AT THE CONTRACTOR'S EXPENSE.
- OMIT TIE BARS LOCATED WITHIN 18" OF THE TRANSVERSE CONSTRUCTION JOINTS. USE HAND-OPERATED IMMERSION VIBRATORS TO CONSOLIDATE THE CONCRETE ADJACENT TO ALL FORMED JOINTS.
- PROVIDE BROOM FINISH.

TABLE NO.2 TRANSVERSE STEEL AND TIE BARS

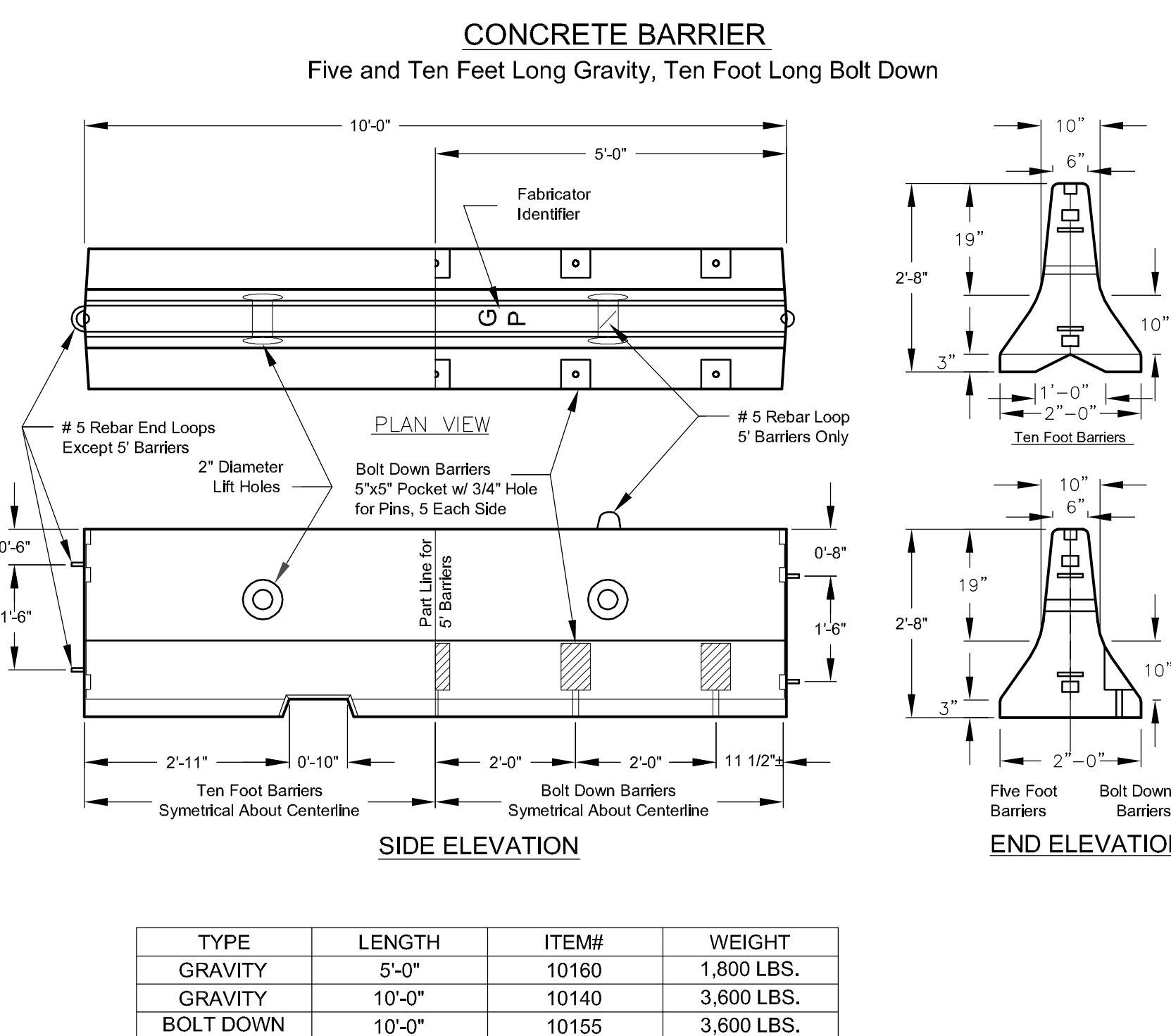
SLAB THICKNESS (IN.)	TRANSVERSE STEEL		TIE BARS AT LONGITUDINAL CONTRACTION JOINT		TIE BARS AT LONGITUDINAL CONTRACTION JOINT	
	BAR SIZE	SPACING (IN.)	BAR SIZE	SPACING (IN.)	BAR SIZE	SPACING (IN.)
9.0	#6	48	#6	48	#6	24

TABLE NO.1 LONGITUDINAL STEEL

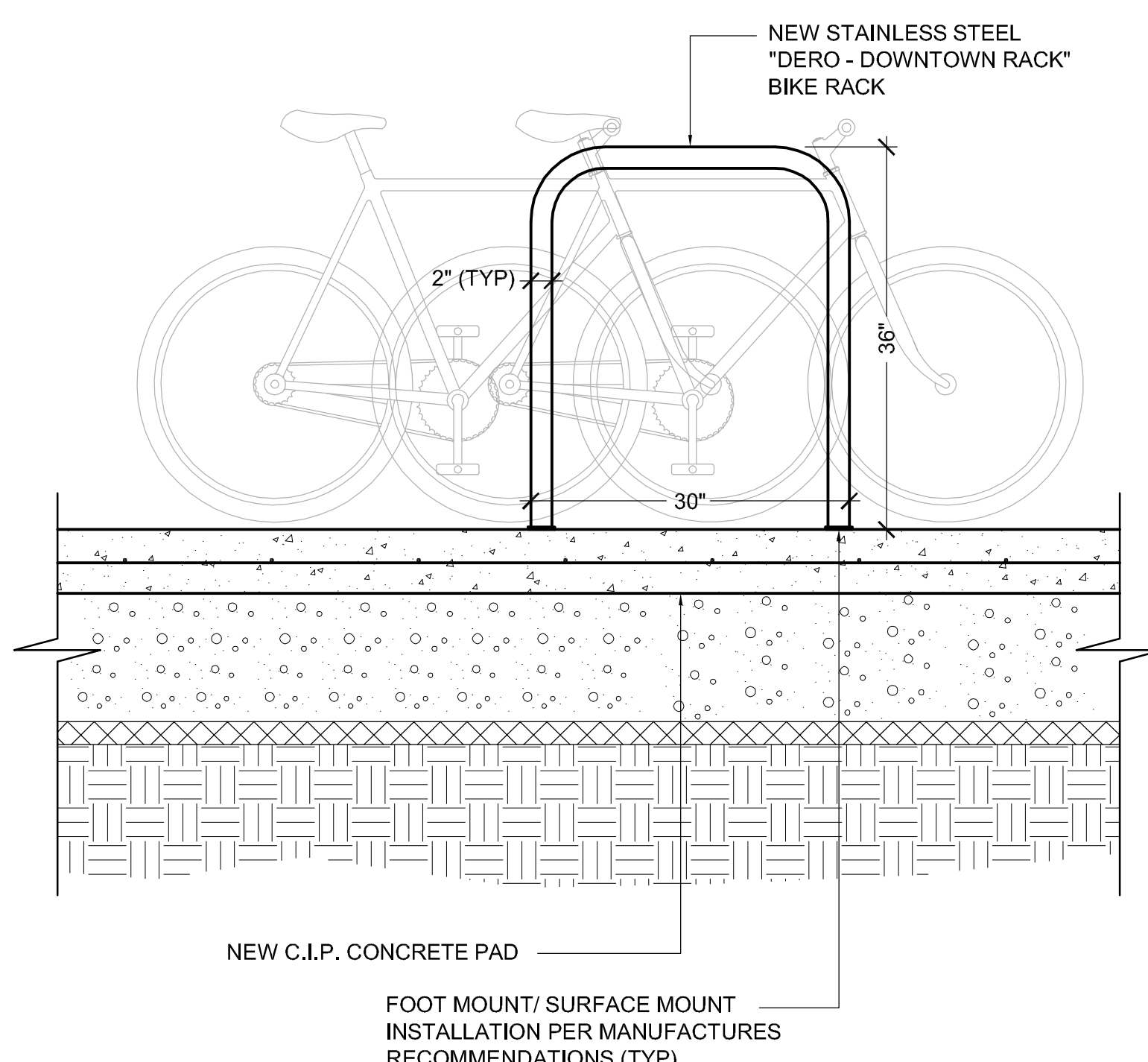
SLAB THICKNESS AND BAR SIZE	REGULAR STEEL BARS		FIRST SPACING AT EDGE OR JOINT		ADDITIONAL STEEL BARS AT TRANSVERSE CONSTRUCTION JOINT	
	T (IN.)	BAR SIZE	SPACING C (IN.)	SPACING C/2 (IN.)	SPACING 2 x c (IN.)	LENGTH L (IN.)
9.0	#6	8"	4"	16	50	

N1 CONCRETE PAVING DETAILS - JOINT SEALS (LOADING DOCK)

NO SCALE



- DESIGN NOTES:
- Concrete Mix Design is 4,000 PSI standard at 28 days, Type 3 Cement.
 - Reinforcing Steel, ASTM A615, Grade 60, # 4 and #5.

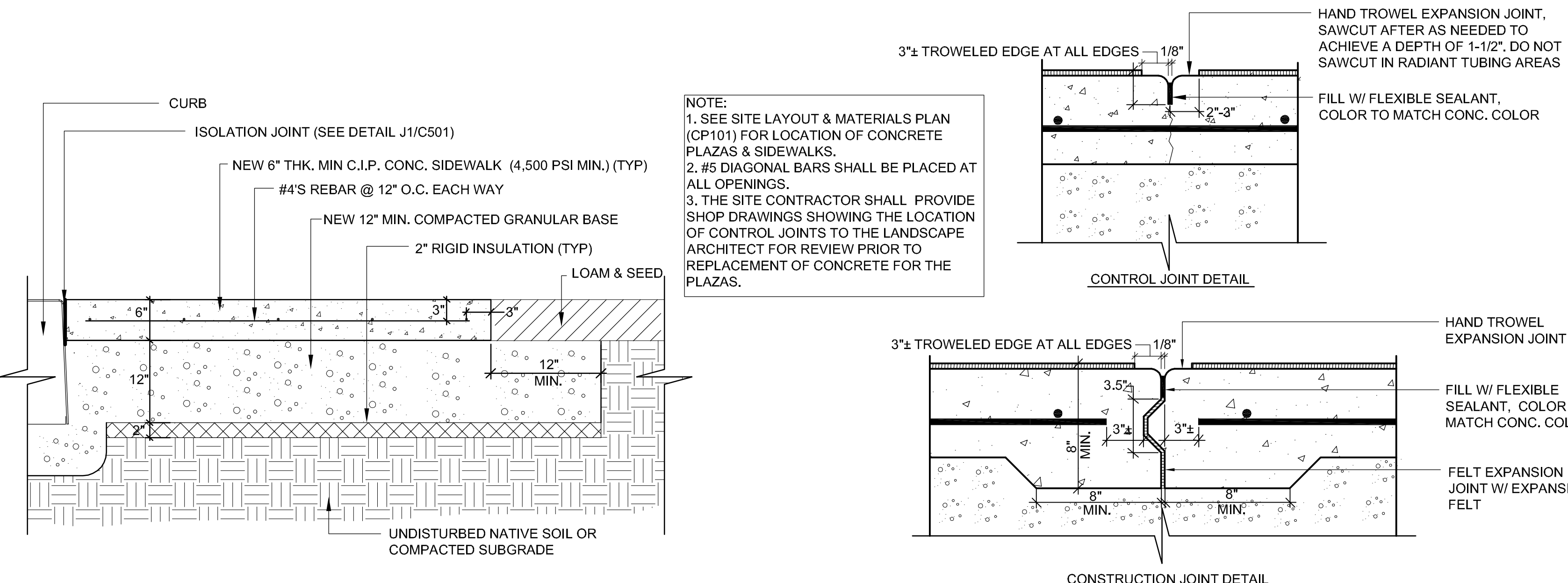


A5 NEW BIKE RACK

NO SCALE

L10 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (LOADING DOCK)

NO SCALE



A10 NEW C.I.P. CONCRETE SIDEWALK/ PLAZA

NO SCALE

A1 JERSEY BARRIER

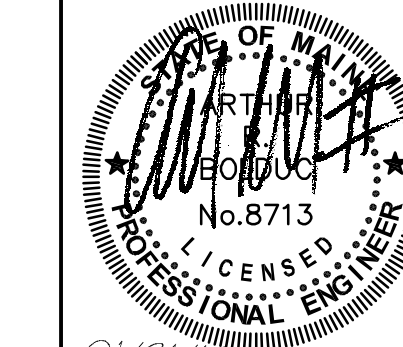
NO SCALE

REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
0	NW ENTRY F.S.E CON DOCS	08-23-2012

CONSTRUCTION DOCUMENTS

01.21.2013

CURRENT ISSUE STATUS:



CUMBERLAND COUNTY CIVIC CENTER RENOVATION

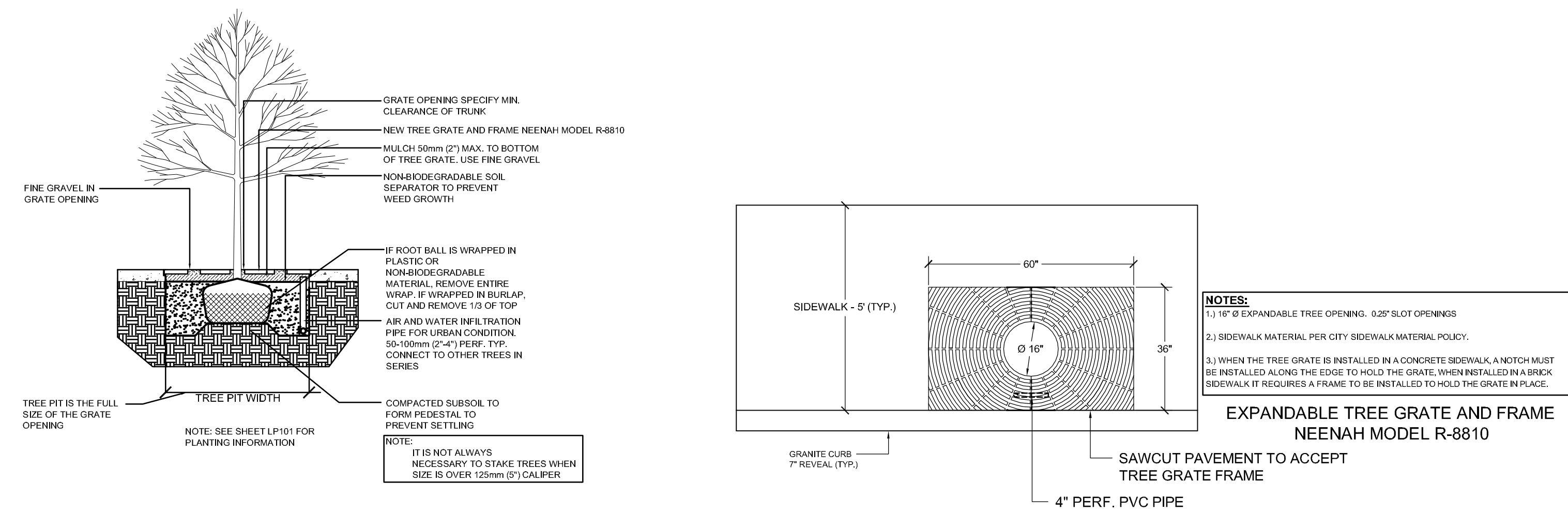
PROJECT: PORTLAND, MAINE

SITE DETAILS

SHEET TITLE:	375700-C501.DWG
WBRC CAD FILE:	3757.00
PROJECT NO.:	3757.00
SCALE:	AS SHOWN
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB

C505

STORMWATER/SANITARY SEWER CONCRETE STRUCTURE SCHEDULE					
STRUCTURE NO.	6' DIA.	4' DIA.	TYPE 'F'	GRATE/LID	COMMENTS
DMH#1		X		SOLID COVER	
DMH#2		X		SOLID COVER	
DMH#3		X		SOLID COVER	
DMH#4		X		SOLID COVER	
DMH#5		X		SOLID COVER	
SMH#1		X		SOLID COVER	
SMH#2		X		SOLID COVER	

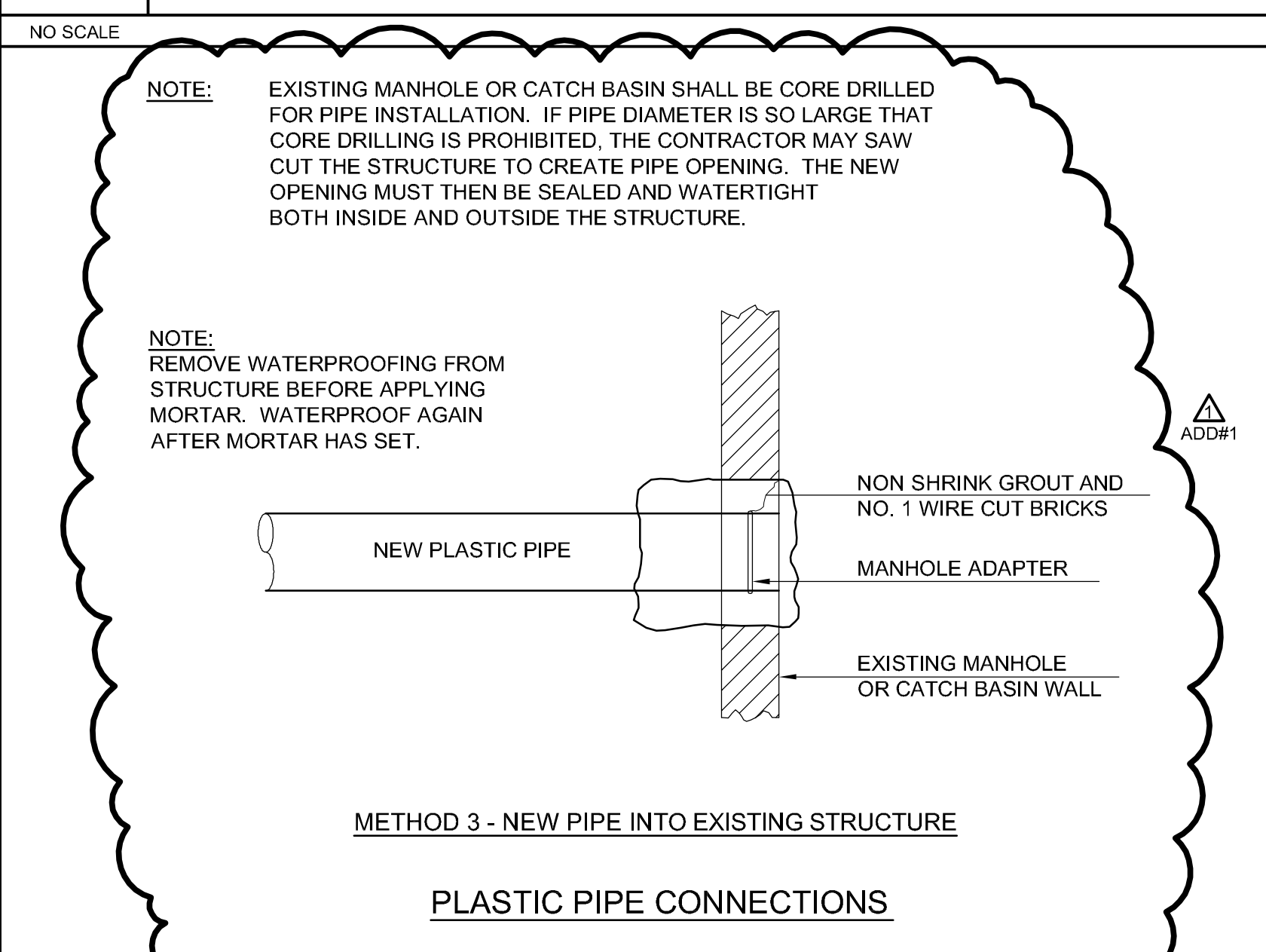


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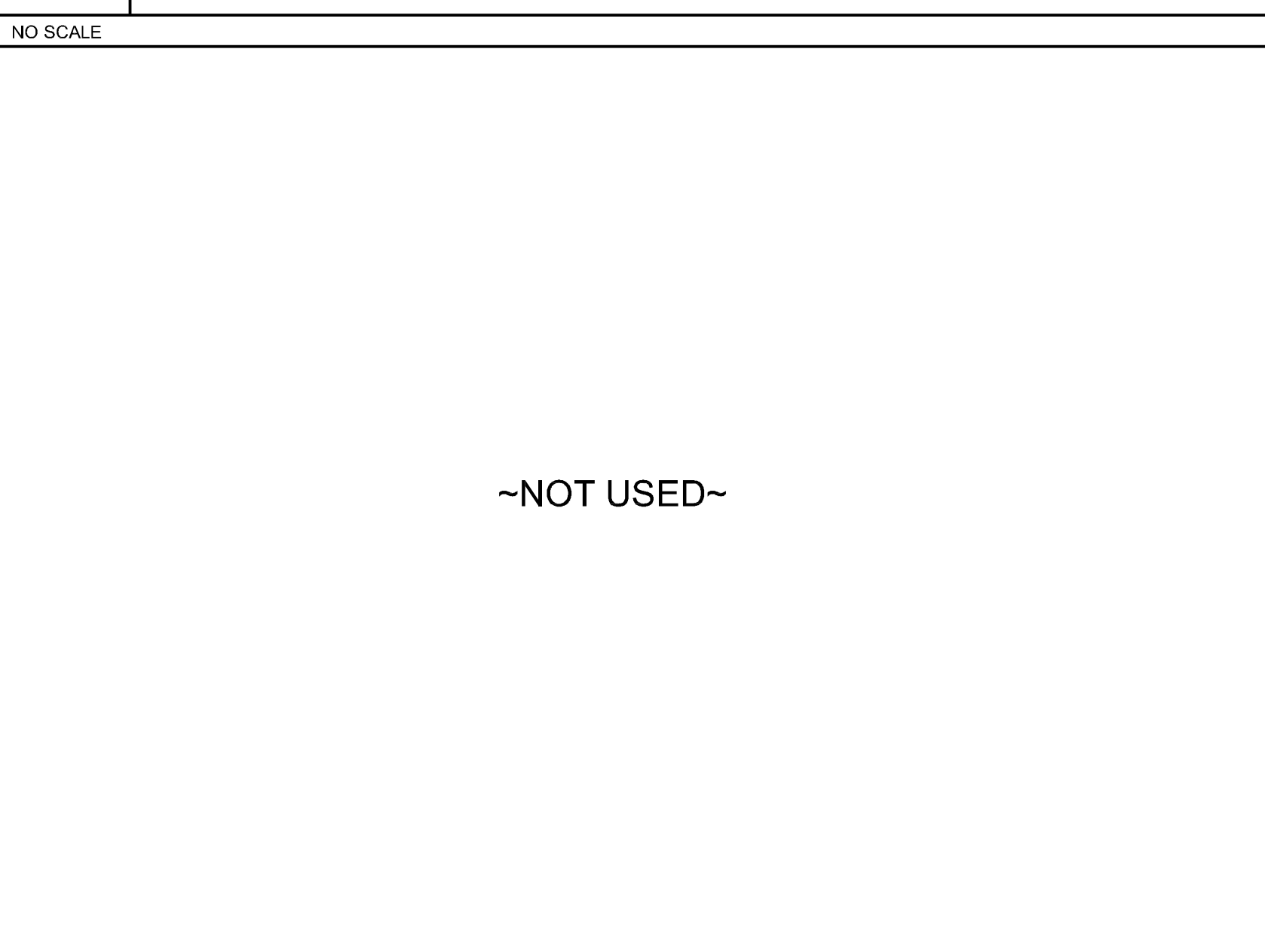
SINK COMBS DETHLEFS

Copyright
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Dethlefs, P.C.
475 Lincoln Street
Suite 110
Denver, Colorado 80202
303.308.0200
FAX 303.522.2222

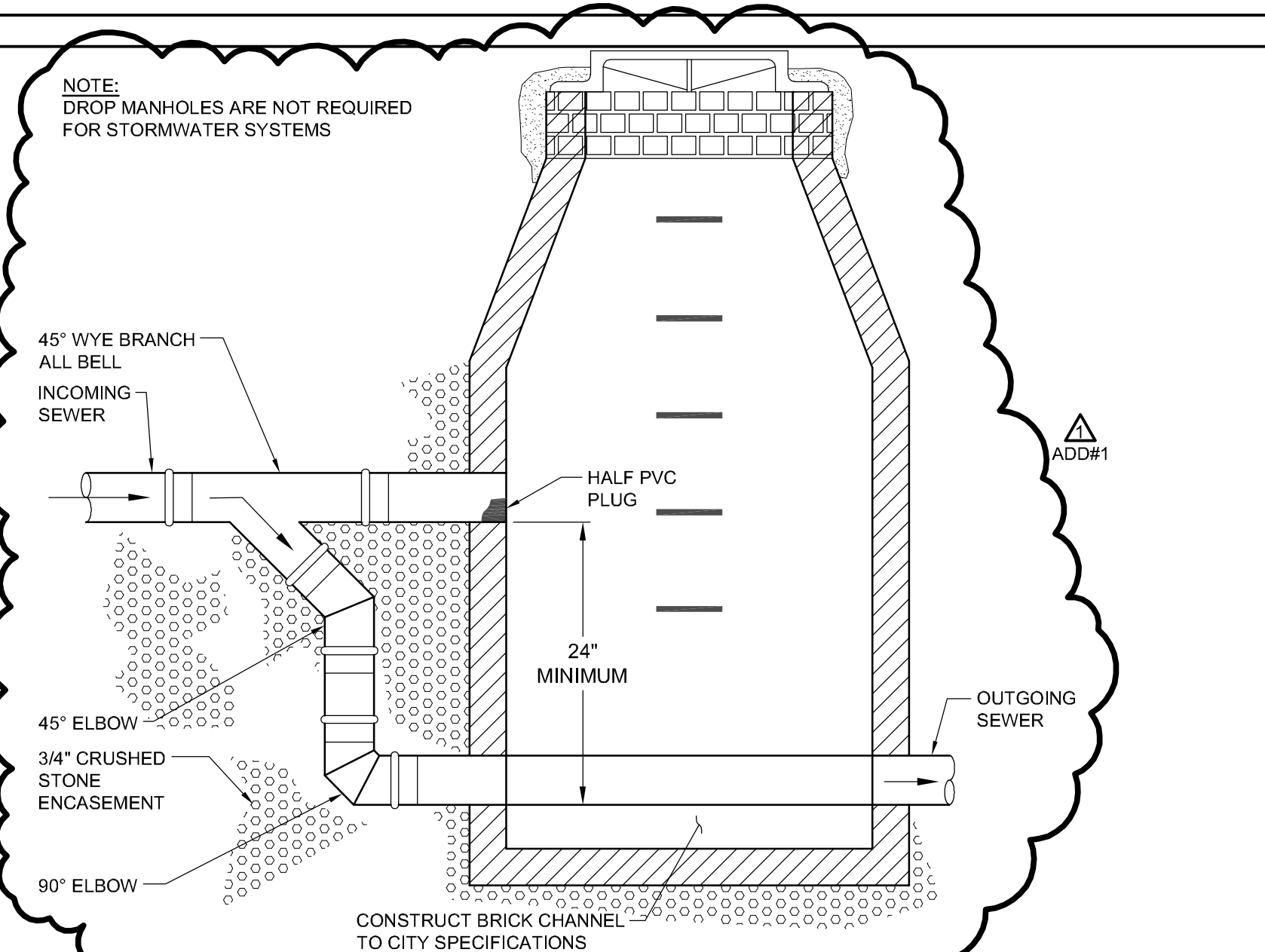
N1 STRUCTURE SCHEDULE



N5 NEW TREE GRATE

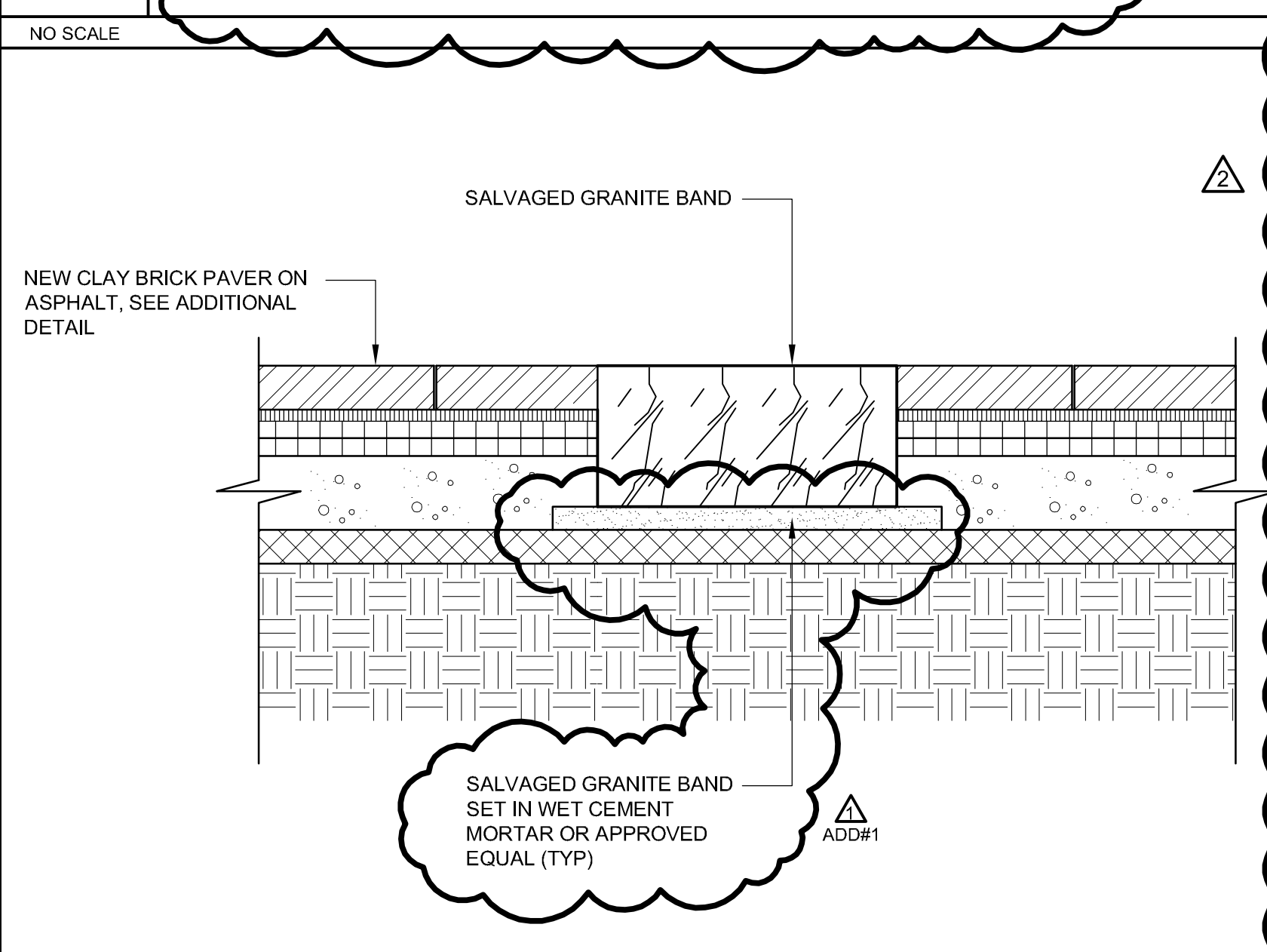


N14

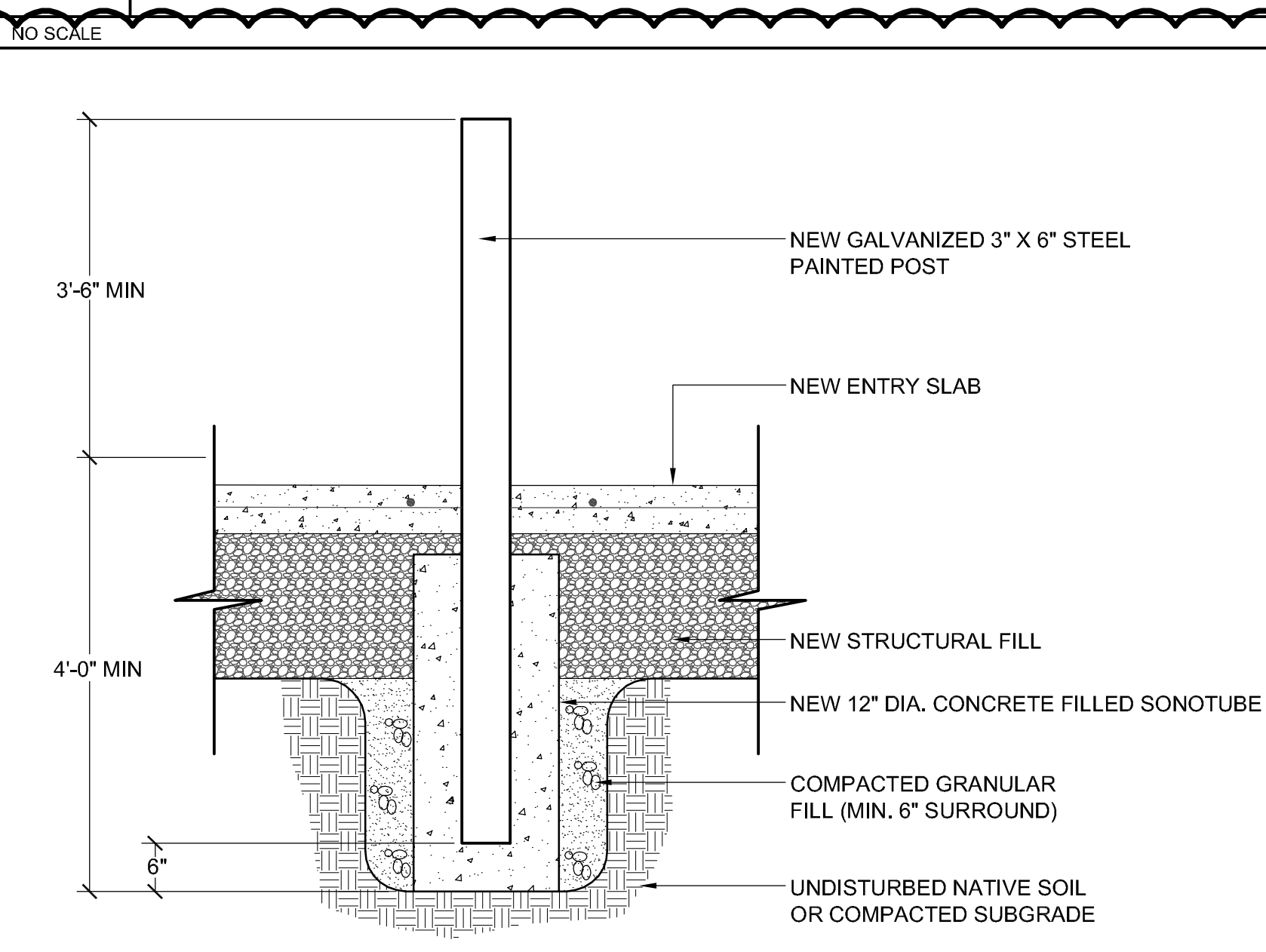


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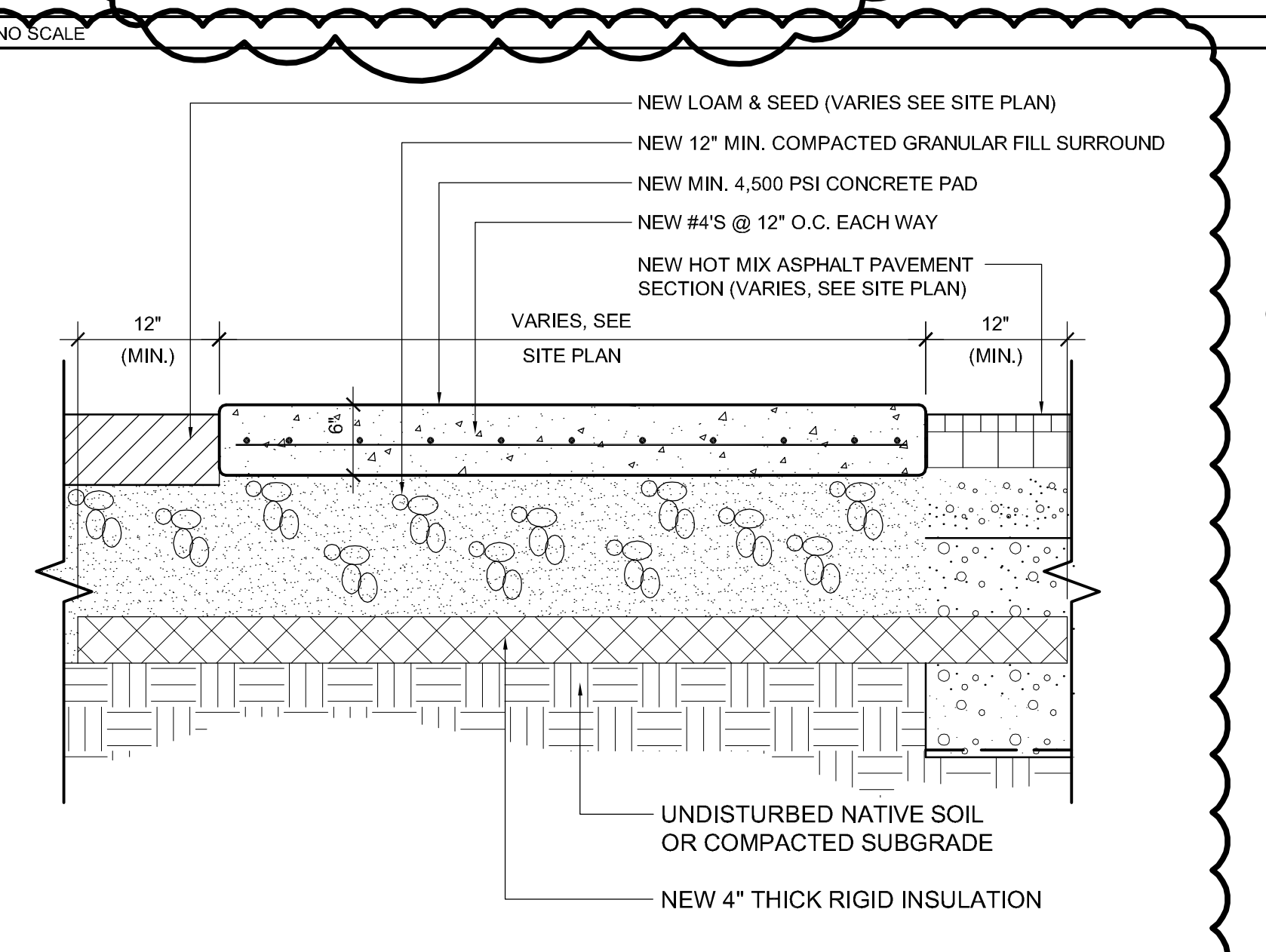
J1 METHOD 3 - NEW PIPE INTO EXISTING STRUCTURE



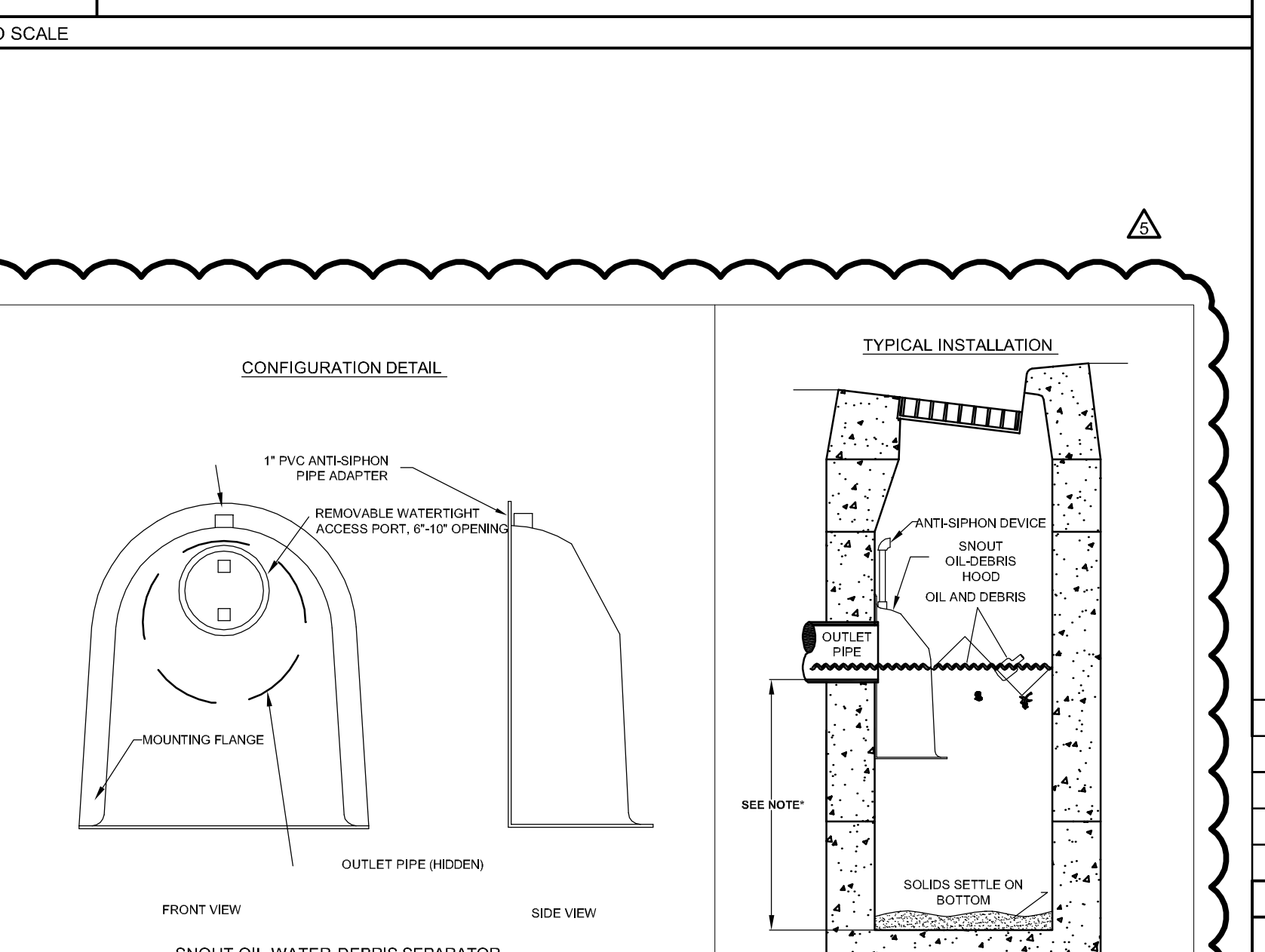
J5 --



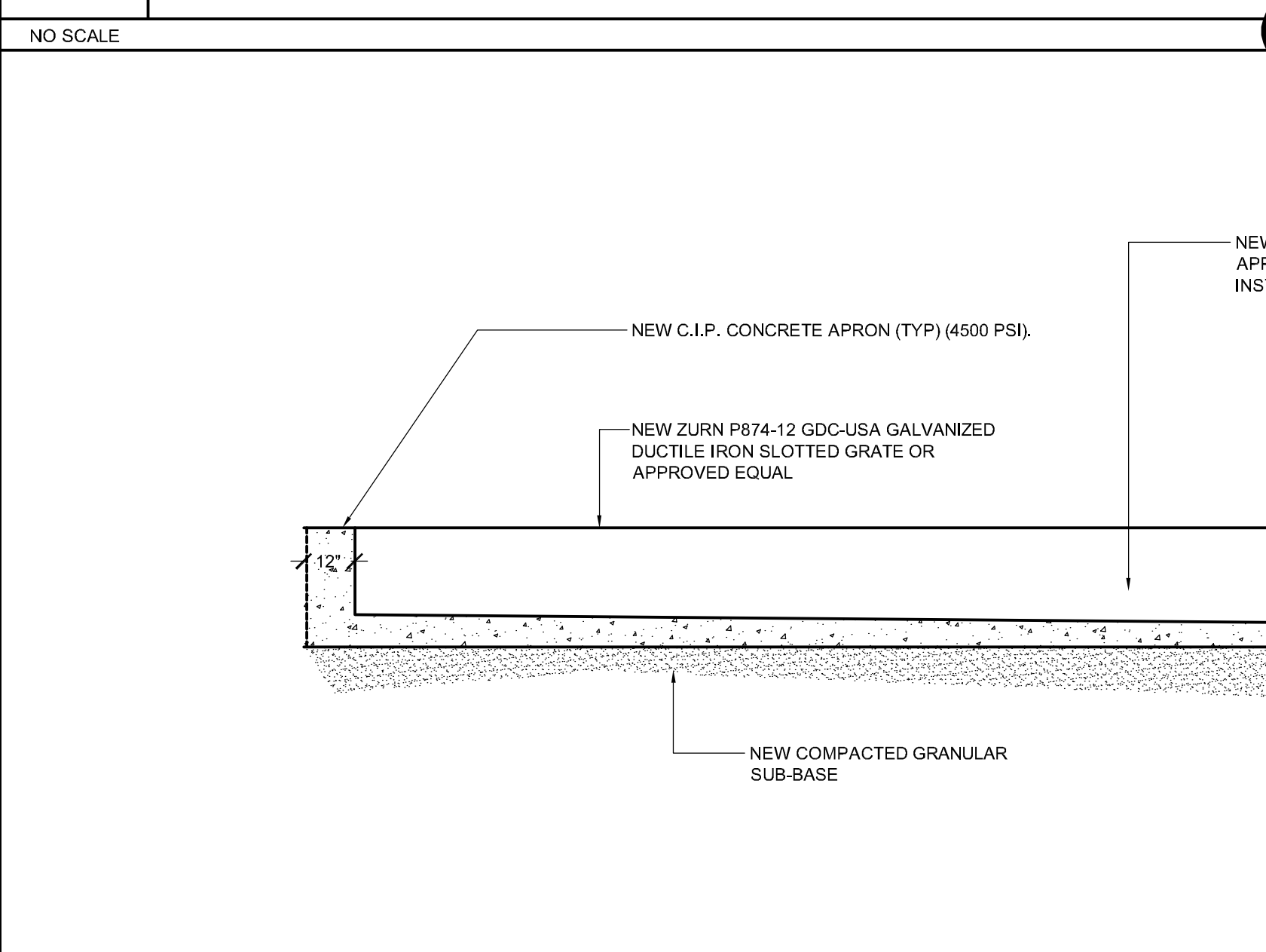
J10 TYPICAL OUTSIDE DROP MANHOLE



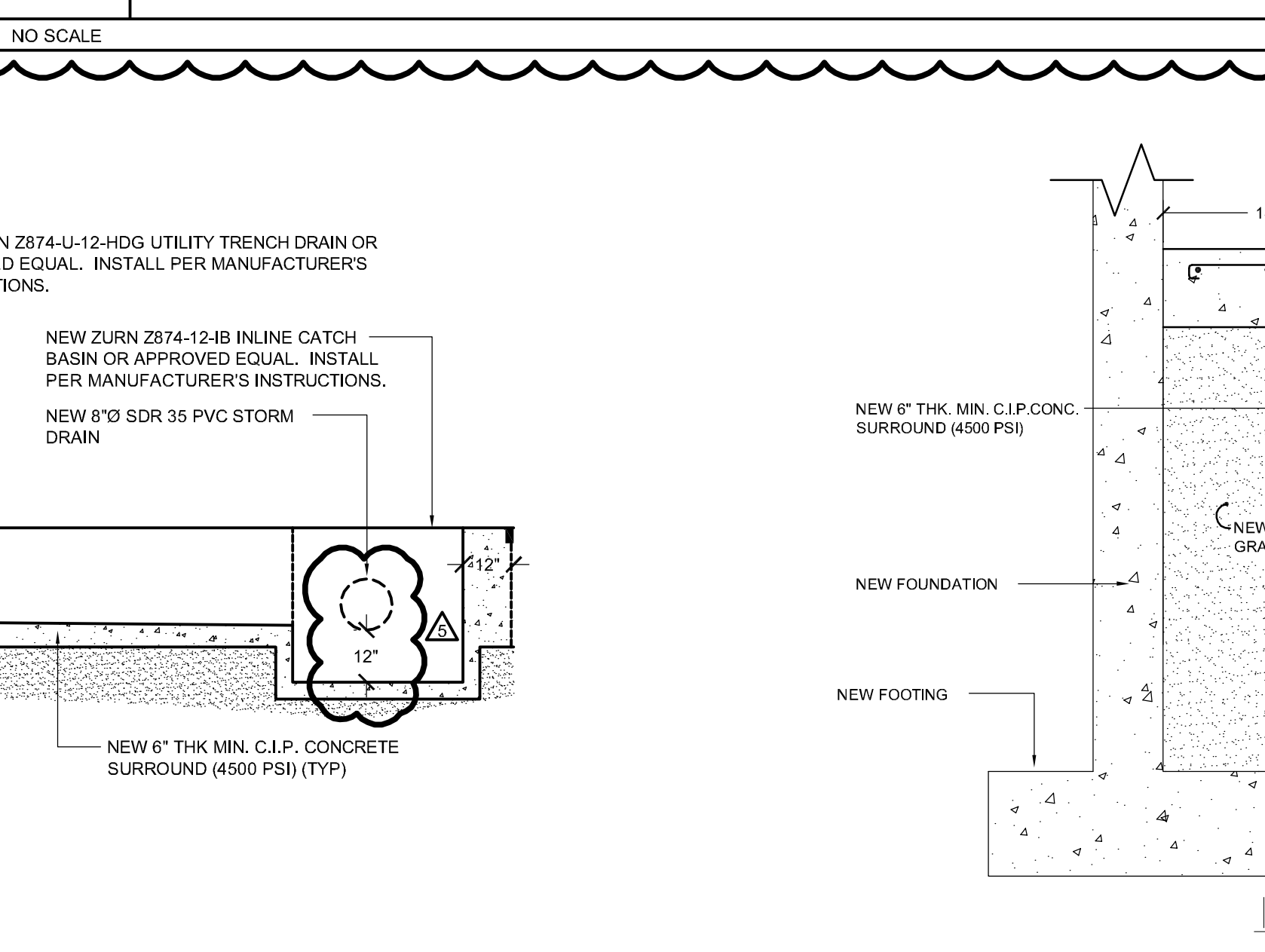
J14



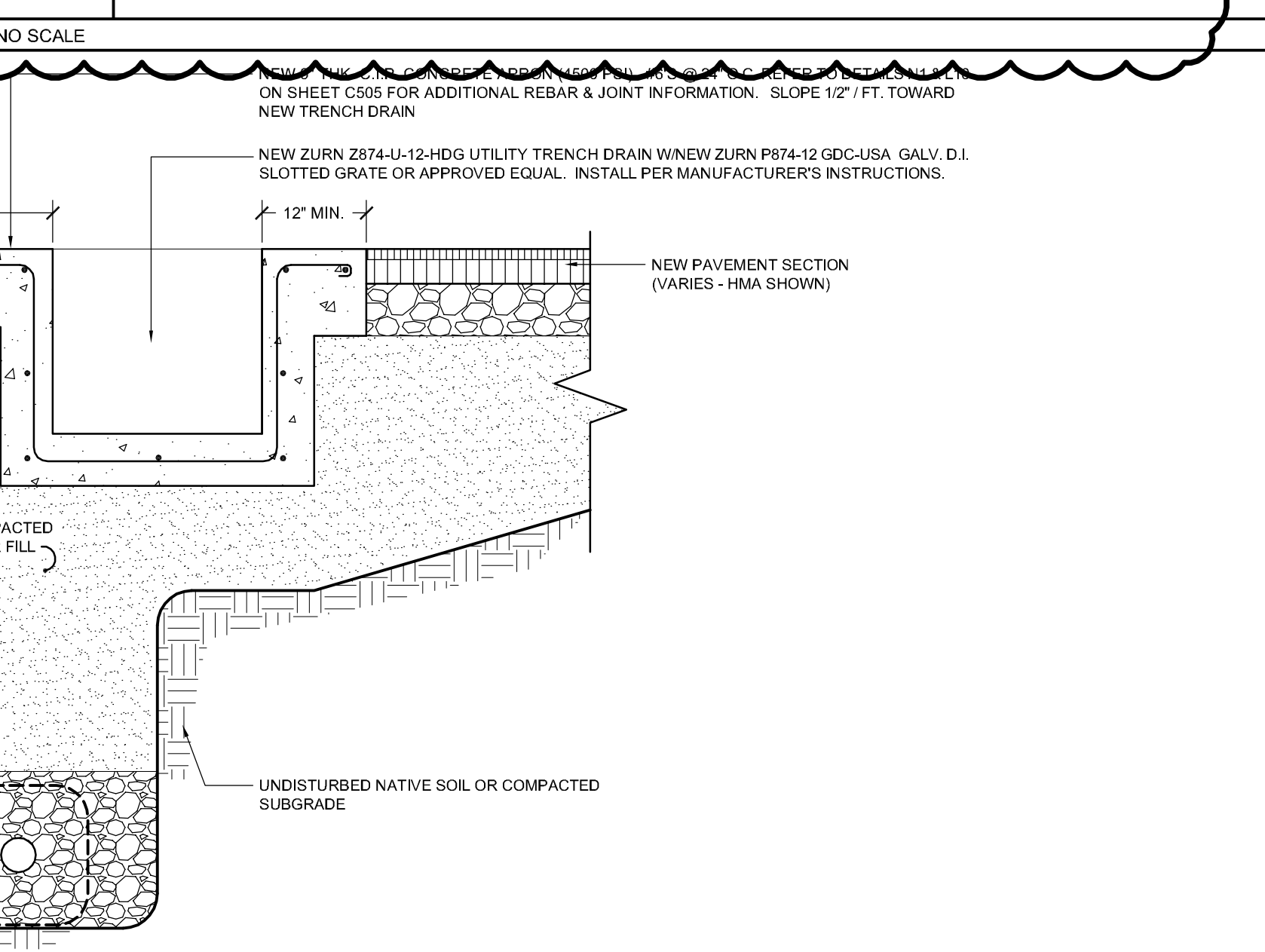
E1 SALVAGED GRANITE SIDEWALK BAND



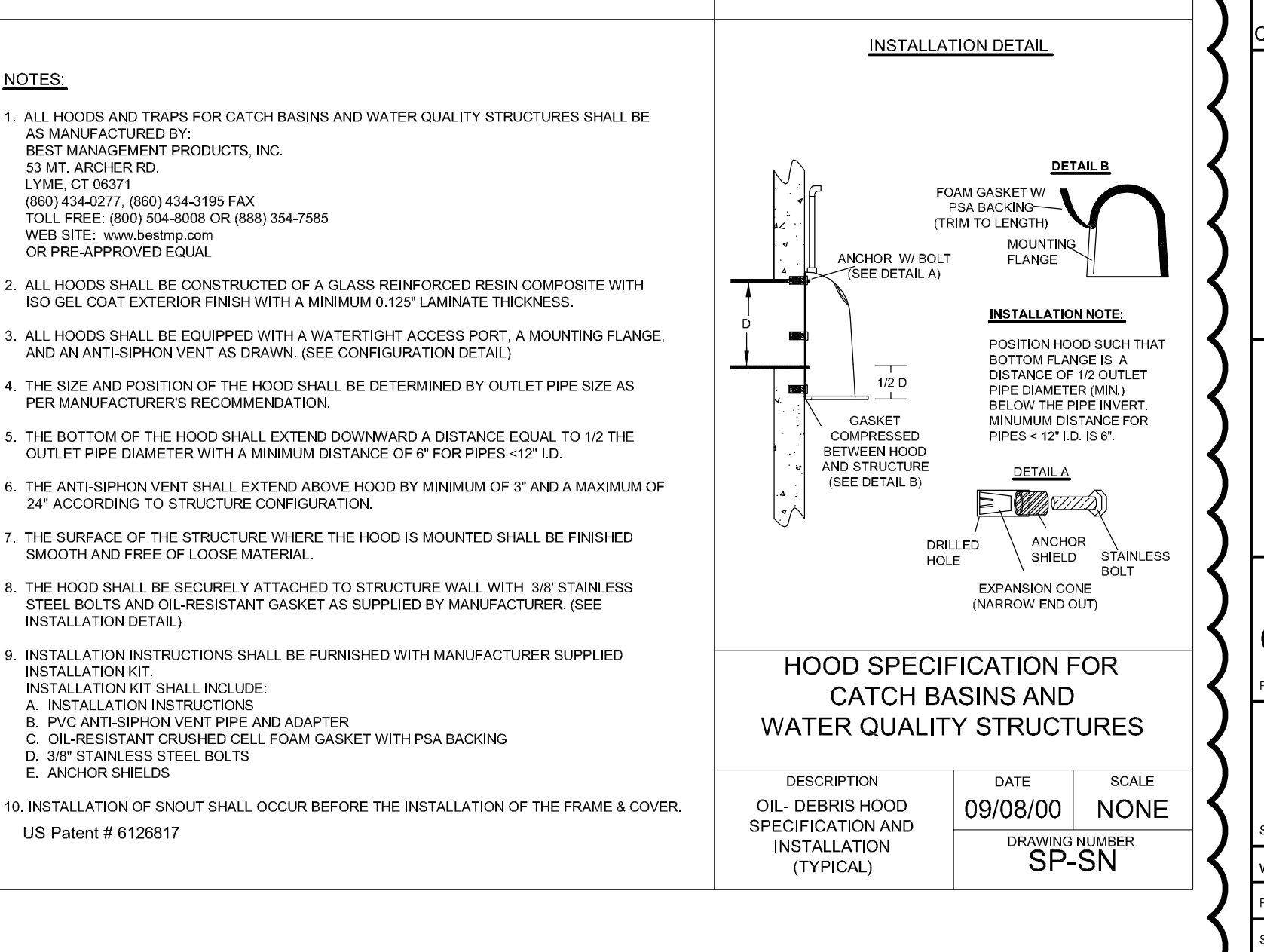
E5 NEW ADA ACCESS PEDESTAL



E10 NEW CIP CONCRETE PAD



A14 NEW SNOUT



5	CONSTRUCTION DOCUMENTS	01-21-2013
4	NW ENTRY CONSTRUCTION DOCS	10-31-2012
3	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
2	NW ENTRY F.S.E CON DOCS	08-23-2012
ADD#1	ADDENDUM #1	08.09.12 (R)
REV.	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
01.21.2013

CURRENT ISSUE STATUS:



CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

SITE DETAILS

SHEET TITLE:	375700-C501.DWG
WBRC CAD FILE:	3757.00
PROJECT No.:	AS SHOWN
SCALE:	AS SHOWN
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB

SHEET No. C506

1:18 2013 4:55pm
 I:\2013\201303175700\Cumberland_Civ_Ctr_Cen_Renov\dwg\Site\375700-C501.dwg labyr\chords



BORING LOG

BORING NO.: B-104
SHEET: 1 OF 1
PROJECT NO.: 12-0034
DATE START: 6/6/2012
DATE FINISH: 6/6/2012
ELEVATION: 55' ±

PROJECT / CLIENT: CUMBERLAND COUNTY CIVIC CENTER RENOVATIONS
LOCATION: SPRING, CENTER & FREE STREETS, PORTLAND, MAINE
DRILLING CO.: GREAT WORKS TEST BORINGS, INC. DRILLER: JEFF LEE

CASING: TYPE SIZE I.D. HAMMER WT. HAMMER FALL
SSA 4 1/2"
SAMPLER: SS 2" 140 lbs 30"
CORE BARREL:

Table with columns: CASING BLOW PER FOOT, SAMPLE NO., PEN., REC., DEPTH @ BOT, SAMPLER BLOWS PER FT., DEPTH, STRATA & TEST DATA. Includes soil descriptions like CONCRETE SIDEWALK, BROWN SILTY SAND (FILL), MOTTLED RUST BROWN SILTY GRAVELLY SAND (GLACIAL TILL).

SAMPLES: D = SPLIT SPOON, C = 2" SHELBLY TUBE, S = 3" SHELBLY TUBE, U = 3.5" SHELBLY TUBE. SOIL CLASSIFIED BY: DRILLER - VISUALLY, SOIL TECH. - VISUALLY, LABORATORY TEST. STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.



BORING LOG

BORING NO.: B-105
SHEET: 1 OF 1
PROJECT NO.: 12-0034
DATE START: 6/6/2012
DATE FINISH: 6/6/2012
ELEVATION: 56' ±

PROJECT / CLIENT: CUMBERLAND COUNTY CIVIC CENTER RENOVATIONS
LOCATION: SPRING, CENTER & FREE STREETS, PORTLAND, MAINE
DRILLING CO.: GREAT WORKS TEST BORINGS, INC. DRILLER: JEFF LEE

CASING: TYPE SIZE I.D. HAMMER WT. HAMMER FALL
SSA 4 1/2"
SAMPLER: SS 2" 140 lbs 30"
CORE BARREL:

Table with columns: CASING BLOW PER FOOT, SAMPLE NO., PEN., REC., DEPTH @ BOT, SAMPLER BLOWS PER FT., DEPTH, STRATA & TEST DATA. Includes soil descriptions like CONCRETE SIDEWALK, BROWN SILTY SAND AND GRAVEL (FILL), BROWN SILTY GRAVELLY SAND (GLACIAL TILL) - LOOSE.

SAMPLES: D = SPLIT SPOON, C = 2" SHELBLY TUBE, S = 3" SHELBLY TUBE, U = 3.5" SHELBLY TUBE. SOIL CLASSIFIED BY: DRILLER - VISUALLY, SOIL TECH. - VISUALLY, LABORATORY TEST. STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.



BORING LOG

BORING NO.: B-106
SHEET: 1 OF 1
PROJECT NO.: 12-0034
DATE START: 6/6/2012
DATE FINISH: 6/6/2012
ELEVATION: 68' ±

PROJECT / CLIENT: CUMBERLAND COUNTY CIVIC CENTER RENOVATIONS
LOCATION: SPRING, CENTER & FREE STREETS, PORTLAND, MAINE
DRILLING CO.: GREAT WORKS TEST BORINGS, INC. DRILLER: JEFF LEE

CASING: TYPE SIZE I.D. HAMMER WT. HAMMER FALL
SSA 4 1/2"
SAMPLER: SS 2" 140 lbs 30"
CORE BARREL:

Table with columns: CASING BLOW PER FOOT, SAMPLE NO., PEN., REC., DEPTH @ BOT, SAMPLER BLOWS PER FT., DEPTH, STRATA & TEST DATA. Includes soil descriptions like BLACK/BROWN SAND AND SILT WITH ORGANICS (TOPSOIL), BROWN SILTY SAND AND GRAVEL (FILL), MOTTLED RUST BROWN GRAVELLY SILTY SAND WITH WEATHERED BEDROCK FRAGMENTS (GLACIAL TILL).

SAMPLES: D = SPLIT SPOON, C = 2" SHELBLY TUBE, S = 3" SHELBLY TUBE, U = 3.5" SHELBLY TUBE. SOIL CLASSIFIED BY: DRILLER - VISUALLY, SOIL TECH. - VISUALLY, LABORATORY TEST. STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.



BORING LOG

BORING NO.: B-101
SHEET: 1 OF 1
PROJECT NO.: 12-0034
DATE START: 6/6/2012
DATE FINISH: 6/6/2012
ELEVATION: 76' ±

PROJECT / CLIENT: CUMBERLAND COUNTY CIVIC CENTER RENOVATIONS
LOCATION: SPRING, CENTER & FREE STREETS, PORTLAND, MAINE
DRILLING CO.: S.W. COLE ENGINEERING, INC. DRILLER: JEFF LEE

CASING: TYPE SIZE I.D. HAMMER WT. HAMMER FALL
SSA 6" POWER HEAD
SAMPLER: SS 2" 140 lbs 30"
CORE BARREL:

Table with columns: CASING BLOW PER FOOT, SAMPLE NO., PEN., REC., DEPTH @ BOT, SAMPLER BLOWS PER FT., DEPTH, STRATA & TEST DATA. Includes soil descriptions like TOPSOIL / MULCH, BROWN SILTY GRAVELLY SAND WITH BRICK (FILL), REFUSAL AT 0.5' (CONCRETE SLAB).

SAMPLES: D = SPLIT SPOON, C = 2" SHELBLY TUBE, S = 3" SHELBLY TUBE, U = 3.5" SHELBLY TUBE. SOIL CLASSIFIED BY: DRILLER - VISUALLY, SOIL TECH. - VISUALLY, LABORATORY TEST. STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.



BORING LOG

BORING NO.: B-102
SHEET: 1 OF 1
PROJECT NO.: 12-0034
DATE START: 6/6/2012
DATE FINISH: 6/6/2012
ELEVATION: 76' ±

PROJECT / CLIENT: CUMBERLAND COUNTY CIVIC CENTER RENOVATIONS
LOCATION: SPRING, CENTER & FREE STREETS, PORTLAND, MAINE
DRILLING CO.: S.W. COLE ENGINEERING, INC. DRILLER: JEFF LEE

CASING: TYPE SIZE I.D. HAMMER WT. HAMMER FALL
SSA 6" POWER HEAD
SAMPLER: SS 2" 140 lbs 30"
CORE BARREL:

Table with columns: CASING BLOW PER FOOT, SAMPLE NO., PEN., REC., DEPTH @ BOT, SAMPLER BLOWS PER FT., DEPTH, STRATA & TEST DATA. Includes soil descriptions like TOPSOIL / MULCH, BROWN GRAVELLY SAND SOME SILT (FILL), REFUSAL AT 4.0' (PROBABLE BEDROCK).

SAMPLES: D = SPLIT SPOON, C = 2" SHELBLY TUBE, S = 3" SHELBLY TUBE, U = 3.5" SHELBLY TUBE. SOIL CLASSIFIED BY: DRILLER - VISUALLY, SOIL TECH. - VISUALLY, LABORATORY TEST. STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.



BORING LOG

BORING NO.: B-103
SHEET: 1 OF 1
PROJECT NO.: 12-0034
DATE START: 6/6/2012
DATE FINISH: 6/6/2012
ELEVATION: 62' ±

PROJECT / CLIENT: CUMBERLAND COUNTY CIVIC CENTER RENOVATIONS
LOCATION: SPRING, CENTER & FREE STREETS, PORTLAND, MAINE
DRILLING CO.: GREAT WORKS TEST BORINGS, INC. DRILLER: JEFF LEE

CASING: TYPE SIZE I.D. HAMMER WT. HAMMER FALL
SSA 4 1/2"
SAMPLER: SS 2" 140 lbs 30"
CORE BARREL:

Table with columns: CASING BLOW PER FOOT, SAMPLE NO., PEN., REC., DEPTH @ BOT, SAMPLER BLOWS PER FT., DEPTH, STRATA & TEST DATA. Includes soil descriptions like ASPHALT, BROWN SAND AND GRAVEL SOME SILT (FILL), MEDIUM DENSE BECOMING ... VERY DENSE, BEDROCK-SEE ROCK CORE LOG, BOTTOM OF EXPLORATION AT 16.3'.

SAMPLES: D = SPLIT SPOON, C = 2" SHELBLY TUBE, S = 3" SHELBLY TUBE, U = 3.5" SHELBLY TUBE. SOIL CLASSIFIED BY: DRILLER - VISUALLY, SOIL TECH. - VISUALLY, LABORATORY TEST. STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.

THIS INFORMATION IS NOT PART OF THE CONTRACT DOCUMENTS AND IS FOR INFORMATIONAL PURPOSES ONLY

Table with columns: REV., DESCRIPTION, DATE. Includes entries for CONSTRUCTION DOCUMENTS, NW ENTRY CONSTRUCTION DOCS, PHASE 2 DESIGN DEVELOPMENT, NW ENTRY F.S.E. CON DOCS.

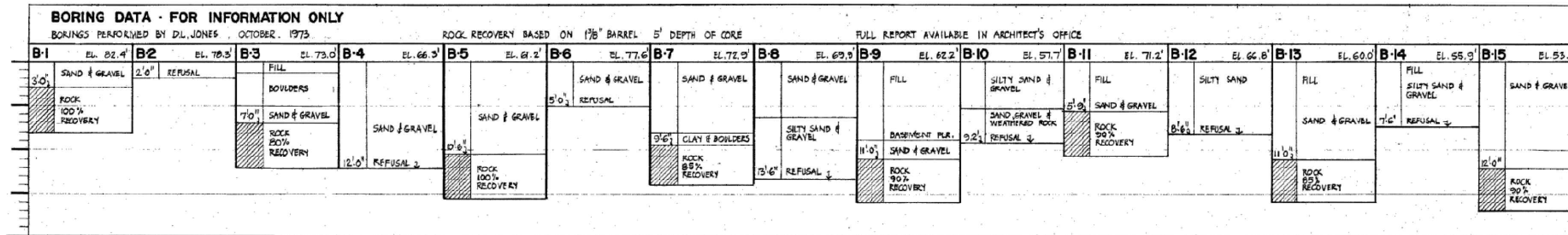
CONSTRUCTION DOCUMENTS 01.21.2013
CURRENT ISSUE STATUS:



CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

SITE BORING LOGS

Table with columns: SHEET TITLE, WBRC CAD FILE, PROJECT NO., SCALE, PROJECT MANAGER, DRAWN BY, CHECKED BY, GRAPHIC SCALE, SHEET NO. Includes details for project manager MEJ and drafter JWB.



S.W. COLE ENGINEERING, INC.

BORING LOG

BORING NO.: B-107
SHEET: 1 OF 1
PROJECT NO.: 12-0034
DATE START: 06/2012
DATE FINISH: 06/2012
ELEVATION: 78' ±
S.W.C. REP.: RJD
WATER LEVEL INFORMATION: SOILS MOIST AT 4.5'

PROJECT / CLIENT: CUMBERLAND COUNTY CIVIC CENTER RENOVATIONS
LOCATION: SPRING CENTER & FREE STREETS, PORTLAND, MAINE
DRILLING CO.: GREAT WORKS TEST BORINGS, INC. DRILLER: JEFF LEE

TYPE: SISA SIZE I.D.: 4 1/2" HAMMER WT.: 140 lbs HAMMER FALL: 30" CORE BARREL: NQ2

CASINO PLUMS PER FOOT	NO.	PEN.	REC.	DEPTH @ 90'	SAMPLER BLOWS PER 8"				DEPTH	STRATA & TEST DATA
					0-4'	4-8'	8-12'	12-24'		
									0.4'	CONCRETE SIDEWALK
	1D	24"	10"	2.5'	2	2	1	1		BROWN SAND AND SILT WITH ORGANICS (FILL) -LOOSE-
	2D	24"	18"	4.5'	2	2	2	5	4.4'	BROWN GRAVELLY SILTY SAND (FILL) -MEDIUM DENSE-
	3D	24"	12"	7.0'	7	11	9	7	7.0'	ROCK = 61% BEDROCK-SEE ROCK CORE LOG
	4D	1"	0"	7.1'	25/1"					
	R1	5.0'	4.6'	12.1'					12.1'	BOTTOM OF EXPLORATION AT 12.1'

SAMPLES: D = SPLIT SPOON C = 2" SHELBY TUBE S = 3" SHELBY TUBE U = 3.5" SHELBY TUBE
SOIL CLASSIFIED BY: DRILLER - VISUALLY SOIL TECH. - VISUALLY LABORATORY TEST
REMARKS: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. BORING NO.: B-107

S.W. COLE ENGINEERING, INC.

BORING LOG

BORING NO.: B-108
SHEET: 1 OF 1
PROJECT NO.: 12-0034
DATE START: 06/2012
DATE FINISH: 06/2012
ELEVATION: 71' ±
S.W.C. REP.: RJD
WATER LEVEL INFORMATION: SOILS MOIST AT 1.0'

PROJECT / CLIENT: CUMBERLAND COUNTY CIVIC CENTER RENOVATIONS
LOCATION: SPRING CENTER & FREE STREETS, PORTLAND, MAINE
DRILLING CO.: GREAT WORKS TEST BORINGS, INC. DRILLER: JEFF LEE

TYPE: SISA SIZE I.D.: 4 1/2" HAMMER WT.: 140 lbs HAMMER FALL: 30" CORE BARREL: NQ2

CASINO PLUMS PER FOOT	NO.	PEN.	REC.	DEPTH @ 90'	SAMPLER BLOWS PER 8"				DEPTH	STRATA & TEST DATA
					0-4'	4-8'	8-12'	12-24'		
									1.0'	BLACK/BROWN SAND AND SILT WITH ORGANICS, BRICK (FILL) -LOOSE-
	1D	24"	16"	2.0'	4	5	10	10	2.9'	BROWN SAND AND GRAVEL SOME SILT (FILL) -MEDIUM DENSE-
	2D	11"	5"	2.9'	10	50/4"			3.5'	REFUSAL AT 3.5' (BEDROCK)

SAMPLES: D = SPLIT SPOON C = 2" SHELBY TUBE S = 3" SHELBY TUBE U = 3.5" SHELBY TUBE
SOIL CLASSIFIED BY: DRILLER - VISUALLY SOIL TECH. - VISUALLY LABORATORY TEST
REMARKS: STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL. BORING NO.: B-108

THIS INFORMATION IS NOT PART OF THE CONTRACT DOCUMENTS AND IS FOR INFORMATIONAL PURPOSES ONLY

3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	PHASE 2 DESIGN DEVELOPMENT	10-26-2012
0	NW ENTRY F.S.E CON DOCS	08-23-2012
REV.	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
01.21.2013
CURRENT ISSUE STATUS:



CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

SITE BORING LOGS

SHEET TITLE:	375700-C601.DWG
PROJECT NO.:	3757.00
SCALE:	NO SCALE
PROJECT MANAGER:	MEJ
DRAWN BY:	JWB
CHECKED BY:	ARB
SHEET NO.:	C602

STRUCTURAL GENERAL NOTES

- 1. ALL DOCUMENTS ARE INSTRUMENTS OF SERVICE AND ARE COPYRIGHT PROPERTY OF WBRC ARCHITECTS / ENGINEERS...
2. DRAWINGS REPRESENT THE DESIGN INTENT OF THE PROJECT...
3. STRUCTURAL DRAWINGS ARE NOT INDEPENDENT DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS...

DESIGN LOADS

THE STRUCTURE IS DESIGNED TO CARRY THE FOLLOWING LIVE LOADS, IN ADDITION TO SPECIFIC MACHINERY AND EQUIPMENT LOADS, IN CONFORMANCE WITH CHAPTER 16 OF THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE AND THE 2005 EDITION OF ASCE-7, 'MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.'

- 1. GRAVITY LOADS:
A. FLOOR LIVE LOADS (REDUCTIONS TAKEN IN ACCORDANCE WITH IBC SECTION 1607.9):
i. OFFICE BUILDINGS: 50 + 15 PSF ALLOWANCE FOR PARTITION WALLS; 2,000 LB CONCENTRATED LOAD...
B. ROOF SNOW LOAD: (UNBALANCED, DRIFTING AND SLIDING SNOW IN ACCORDANCE WITH CHAPTER 7 OF ASCE 7-05)
i. GROUND SNOW LOAD, Pg: 50 PSF
ii. FLAT ROOF SNOW LOAD, Pf: 43 PSF

- 2. LATERAL LOADS:
A. WIND DESIGN DATA:
i. BASIC WIND SPEED (3-SECOND GUST): 100 MPH
ii. WIND LOAD IMPORTANCE FACTOR, Iw: 1.15
B. EARTHQUAKE DESIGN DATA:
i. SEISMIC IMPORTANCE FACTOR, Ie: 1.25
ii. SEISMIC OCCUPANCY CATEGORY: III

EXCAVATIONS

- 1. REMOVE ALL SOFT, ORGANIC AND OTHER UNSUITABLE MATERIAL FROM UNDER AND ADJACENT TO ALL FOOTINGS AND FROM UNDER ALL SLABS ON GRADE.
2. EXTEND AND SLOPE SIDES OF EXCAVATION TO ENSURE STABILITY AND SAFETY AT ALL TIMES.
3. SHORE, SHEET AND BRACE EXCAVATION AS REQUIRED TO ENSURE SAFETY AND STABILITY AT ALL TIMES.
4. PUMP EXCAVATION TO REMOVE SURFACE AND GROUND WATER TO PERMIT FINISHING OF EXCAVATION AND PLACEMENT OF FOUNDATIONS IN THE DRY.

DEMOLITION AND SHORING

- 1. BEFORE PROCEEDING WITH ANY DEMOLITION, THE AREA MUST BE SURVEYED AND EVALUATED BY THE CONTRACTOR TO ENSURE THAT NO DAMAGE WILL BE MADE TO ANY STRUCTURE, PROPERTY OR EQUIPMENT BEYOND THE DEMOLITION.
2. PROVIDE TEMPORARY SHORING AND BRACING FOR FLOORS, ROOFS, PIERS AND WALLS DURING DEMOLITION AND MAINTAIN THIS TEMPORARY CONSTRUCTION IN PLACE UNTIL THE NEW STRUCTURAL WORK IS COMPLETED AND TIED TO THE REMAINING EXISTING CONSTRUCTION.

FOUNDATIONS, BACKFILL AND DRAINAGE

- 1. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE VALIDITY OF THE SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS. TEST BORINGS ARE AVAILABLE TO ASSIST THE CONTRACTOR DURING PRICING AND SUBSEQUENT CONSTRUCTION...
2. ALL FOOTINGS SHALL BEAR ON SOUND LEDGE HAVING A MINIMUM BEARING CAPACITY OF 10 TONS PER SQUARE FOOT.
3. BEARING MATERIAL DESIGN BEARING PRESSURE AND FOOTING ELEVATIONS INDICATED ON THE DRAWINGS ARE BASED ON AVAILABLE INFORMATION DESCRIBED IN A GEOTECHNICAL REPORT PROVIDED BY THE OWNER...

REINFORCING STEEL

- 1. ALL REINFORCING BAR DETAILING SHALL CONFORM TO THE ACI 315, 'MANUAL OF STANDARD PRACTICE FORTAILING REINFORCED CONCRETE STRUCTURES.' DO NOT BEND BARS IN THE FIELD, COMPLETE ALL BAR BENDING IN THE FABRICATOR'S SHOP.
2. SUBMIT COMPLETE SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
4. SUPPLY WELDED WIRE FABRIC IN FLAT SHEETS CONFORMING TO ASTM A185.

- 5. WHERE CONTINUOUS BARS ARE CALLED FOR, INDICATED, OR REQUIRED THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, DOWELED INTO INTERSECTING WALLS, LAPPED AT NECESSARY SPICES, WITH SPLICES STAGGERED WHEREVER POSSIBLE, AND HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 AND BE NO LESS THAN 48 BAR DIAMETERS.
6. PROVIDE AND SCHEDULE WITH SHOP DRAWINGS, ALL NECESSARY ACCESSORIES TO HOLD THE REINFORCING SECURELY AND ACCURATELY IN POSITION. 'WET SETTING' OR 'WET STICKING' REINFORCING INTO GREEN CONCRETE IS NOT ACCEPTABLE.
7. CLEARANCE OF REINFORCING BARS FROM CONCRETE SURFACES SHALL BE:
A. UNFORMED FACE IN CONTACT WITH EARTH: 3"
B. UNFORMED SLABS IN CONTACT WITH EARTH: 1-1/2"

CAST-IN-PLACE CONCRETE

- 1. CONCRETE WORK SHALL COMPLY WITH THE LATEST EDITION OF ACI 301, 'STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE IN BUILDINGS,' AND ACI 318, 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.'
2. ALL STRUCTURAL CONCRETE IS CONTROLLED AND SHALL BE USED, PROPORTIONED, MIXED AND PLACED UNDER THE SUPERVISION OF THE STRUCTURAL INSPECTOR AS A PART OF THE STRUCTURAL INSPECTIONS REQUIRED FOR THE PROJECT.
3. ALL WORK SHALL BE PERFORMED TO SECURE FOR THE ENTIRE JOB HOMOGENEOUS CONCRETE HAVING REQUIRED STRENGTH, DURABILITY AND WEATHERING RESISTANCE WITHOUT PLANES OR WEARNESS, AND OTHER STRUCTURAL DEFECTS, AND FREE OF PROTRUDING HONEYCOMBS, AIR POCKETS, VOIDS, AND PROJECTIONS, OFFSETS OF PLANE, AND OTHER DEFACEMENTS ON EXPOSED SURFACES.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL WIDE-FLANGED SECTIONS SHALL CONFORM TO ASTM A992.
2. HOLLOW STRUCTURAL STEEL SHAPES (RECTANGULAR, SQUARE AND ROUND) SHALL CONFORM TO ASTM A600, GRADE B MINIMUM Fy=46 KSI EXCEPT Fy=42 KSI FOR ROUND HSS.
3. OTHER STRUCTURAL STEEL SHAPES AND PLATES SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.
4. SHOP AND FIELD CONNECTIONS SHALL BE BY HIGH STRENGTH BOLTS OR WELDING. ALL BOLTED CONNECTIONS SHALL BE DETAILED FOR MAXIMUM END REACTIONS OF SUPPORTED ELEMENTS AND ALL WELDS SHALL DEVELOP FULL STRENGTH OF MEMBERS TO BE WELDED, UNLESS NOTED OTHERWISE.

COLD-FORMED METAL

- 1. SUBMIT TO THE ARCHITECT FOR REVIEW AND APPROVAL, PRIOR TO FABRICATION, DETAILED SHOP DRAWINGS AND DESIGN CALCULATIONS BEARING THE STAMP OF A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MAINE. SHOP DRAWINGS SHALL INCLUDE WALL ELEVATIONS, FLOOR AND ROOF FRAMING PLANS, CONNECTION DETAILS, SIZES OF ALL MEMBERS AND TYPICAL WALL SECTIONS.
2. DESIGN, FABRICATE AND INSTALL ALL WALL, FLOOR AND ROOF ELEMENTS IN ACCORDANCE WITH THE AISI STANDARD SPECIFICATION FOR THE DESIGN OF LIGHT GAUGE, COLD-FORMED STEEL STRUCTURAL MEMBERS.
3. DEPTH AND GAUGE OF METAL STUDS SHALL NOT BE LESS THAN SPECIFIED ON THE CONTRACT DRAWINGS AND SPECIFICATIONS.

MASONRY LOOSE LINTEL SCHEDULE (BY MSC, METAL FABRICATOR)

- 1. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, PROVIDE ONE ANGLE FOR EACH 4" OF MASONRY THICKNESS FOR ALL MASONRY VENEER OPENINGS IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:
MAXIMUM MASONRY OPENING
UP TO 4'-0" Lx4x-1/2x3/8
4'-1" TO 6'-0" Lx4x-1/2x3/8
6'-1" TO 8'-0" Lx6x-1/2x3/8
2. ANGLE LONG LEG SHALL BE VERTICAL.
3. THE SIZES IN THE SCHEDULE ABOVE ARE INVALID IF VERTICAL CONTROL JOINTS ARE MADE ON EACH END OF THE MASONRY OPENINGS. A SINGLE VERTICAL CONTROL JOINT IS ACCEPTABLE ON ONE END.

CONCRETE BLOCK MASONRY:

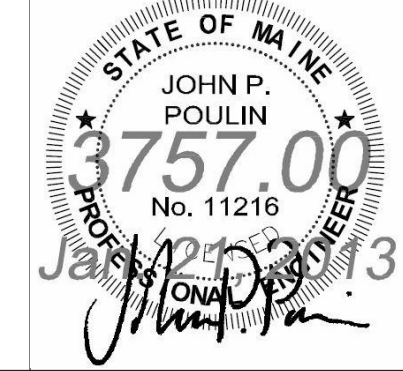
- 1. MASONRY WALLS SHALL BE 8" NOMINAL THICKNESS UNLESS NOTED OTHERWISE.
2. ALL CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,900 PSI AND CONFORM TO THE REQUIREMENTS OF ASTM C90, U.N.C.
3. ALL GROUT SHALL BE COARSE GROUT CONFORMING WITH ASTM C476 AND SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI.
4. ALL GROUTING PROCEDURES SHALL CONFORM TO ACI PROCEDURES.
5. MORTAR SHALL BE TYPE S HIGH STRENGTH MORTAR.
6. ALL MASONRY EXTERIOR WALLS, STAIR & ELEVATOR ENCLOSURE WALLS, AND ANY OTHER WALLS SO NOTED ON THE DRAWINGS SHALL BE REINFORCED, AND ALL REINFORCED CORES GROUTED SOLID.

SINK COMBS DETHLEFS

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Table with 3 columns: REV., DESCRIPTION, DATE. Includes entries for CONSTRUCTION DOCUMENTS and DATE.

01-21-2013 CURRENT ISSUE STATUS:



WBRC ARCHITECTS • ENGINEERS www.wbrc.com BANGOR, MAINE 207.447.4511 PORTLAND, MAINE 207.838.4511 SUDBURY, FLORIDA 844.556.0757

CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

STRUCTURAL GENERAL NOTES

Table with 2 columns: SHEET TITLE, SHEET No. Includes project name and sheet number S0.01.

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STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

THIS STATEMENT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR BUILDING PERMIT ISSUANCE IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES.

APPLICABLE TO THIS PROJECT AS WELL AS THE NAME OF THE STRUCTURAL SPECIAL INSPECTION COORDINATOR AND THE IDENTITY OF THE APPROVED AGENCIES TO BE RETAINED FOR CONDUCTING THESE TESTS AND INSPECTIONS.

PROJECT: CUMBERLAND COUNTY CIVIC CENTER RENOVATION
 LOCATION: PORTLAND, MAINE
 OWNER: CUMBERLAND COUNTY
 CODE ENFORCEMENT OFFICER: JEANIE BOURKE
 DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: JOHN P. POULIN, P.E., M.L.S.E. (STRUCTURAL ENGINEER)
 SEISMIC RESISTANCE: SEISMIC DESIGN CATEGORY "A" < "B,C, D, E, F"
 WIND RESISTANCE: EXPOSURE "B"; BASIC WIND SPEED 100 MPH < 120 MPH

THE SPECIAL INSPECTION COORDINATOR SHALL KEEP RECORDS OF ALL TESTS AND INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. NONCOMPLIANT WORK (DEFICIENCIES) SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DEFICIENCIES ARE NOT CORRECTED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

INTERIM TEST AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ON A MONTHLY BASIS.

A FINAL REPORT OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED TEST, INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES DETECTED SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

PREPARED BY: JOHN P. POULIN, P.E. DESIGN PROFESSIONAL SEAL



SIGNATURE: [Signature] DATE: 8/21/12

OWNERS AUTHORIZATION: BUILDING CODE OFFICIAL'S ACCEPTANCE:

SIGNATURE: _____ DATE: _____ SIGNATURE: _____ DATE: _____
 PRINT NAME: _____ PRINT NAME: _____

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

THE CREDENTIALS AND QUALIFICATIONS OF ALL INDIVIDUALS PERFORMING SPECIAL INSPECTION AND TESTING ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

CREDENTIALS SHALL BE PROVIDED FOR REVIEW, APPROVAL AND RECORD.

KEY FOR MINIMUM QUALIFICATIONS OF INSPECTION AGENTS: WHEN THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING A STIPULATED TEST OR INSPECTION HAVE A SPECIFIC CERTIFICATION, LICENSE OR EXPERIENCE

LEVEL AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR WITH THE AGENCY NAME ON THE SCHEDULE.

ENGINEER

PE/SE STRUCTURAL ENGINEER - A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES
 PE/GE GEOTECHNICAL ENGINEER - A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS
 EIT ENGINEER-IN-TRAINING - A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION

EXPERIENCED TESTING TECHNICIAN

ETT EXPERIENCED TESTING TECHNICIAN - AN EXPERIENCED TESTING TECHNICIAN WITH A MINIMUM 5 YEARS EXPERIENCE WITH THE STIPULATED TEST.

AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION

ACI-CFTT CONCRETE FIELD TESTING TECHNICIAN - GRADE 1
 ACI-CCI CONCRETE CONSTRUCTION INSPECTOR
 ACI-LTT LABORATORY TESTING TECHNICIAN - GRADE 1&2
 ACI-STT STRENGTH TESTING TECHNICIAN

AMERICAN WELDING SOCIETY (AWS) CERTIFICATION

AWS-CWI CERTIFIED WELDING INSPECTOR
 AWS/AISC-SSI CERTIFIED STRUCTURAL STEEL INSPECTOR

AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT) CERTIFICATION

ASNT NON-DESTRUCTIVE TESTING TECHNICIAN - LEVEL II OR III.

INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION

ICC-SMSI STRUCTURAL MASONRY SPECIAL INSPECTOR
 ICC-SWSI STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR
 ICC-RCSI REINFORCED CONCRETE SPECIAL INSPECTOR

NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)

NICET-CT CONCRETE TECHNICIAN - LEVELS I, II, III & IV
 NICET-ST SOILS TECHNICIAN - LEVELS I, II, III & IV
 NICET-GET GEOTECHNICAL ENGINEERING TECHNICIAN - LEVELS I, II, III & IV

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIFICATION
1 VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY AND ARE CONSISTENT WITH THE GEOTECHNICAL REPORT.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT
2 VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED THE PROPER MATERIAL.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT
3 PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT
4 TEST AND VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONTINUOUS	EARTHWORK INSPECTOR	PE/GE EIT, ETT
5 INSPECT REMOVAL OF UNSUITABLE MATERIAL AND PREPARATION OF SUBGRADE PRIOR TO PLACEMENT OF CONTROLLED FILL.	CONTINUOUS	EARTHWORK INSPECTOR	PE/GE EIT, ETT
6 PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT
7 APPROVE SUBGRADE PRIOR TO FORMING FOOTINGS, PREPARING SLABS-ON-GRADE AND PLACING CONCRETE.	PERIODIC	EARTHWORK INSPECTOR	PE/GE EIT, ETT

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIFICATION
1 INSPECTION OF REINFORCING STEEL INCLUDING SIZE, SPACING, COVER, LAPS. VERIFY THAT BARS ARE FREE OF FORM OIL OR OTHER DELETERIOUS MATERIALS. VERIFY THAT BARS ARE ADEQUATELY TIED AND SUPPORTED ON CHAIRS OR BOLSTERS.	PERIODIC	WBRC A/E	PE/SE, EIT
2 INSPECTION OF EMBEDDED STRUCTURAL STEEL ITEMS, SUCH AS COLUMN ANCHOR RODS, PRIOR TO AND DURING CONCRETE PLACEMENT. INSPECT SIZE, POSITIONING, EMBEDMENT AND CONCRETE CONSOLIDATION AROUND ANCHORS.	PERIODIC	WBRC A/E	PE/SE, EIT
3 REVIEW BATCH TICKETS AND VERIFY COMPLIANCE WITH APPROVED MIX DESIGN. VERIFY THAT WATER ADDED AT THE SITE DOES NOT EXCEED THAT ALLOWED BY THE MIX DESIGN.	CONTINUOUS	CONCRETE TESTING LAB	ACI-CFTT, ACI-STT
4 AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, VERIFY SLUMP, AIR CONTENT AND TEMPERATURE.	CONTINUOUS	CONCRETE TESTING LAB	ACI-CFTT, ACI-STT
5 INSPECTION OF CONCRETE FOR PROPER PLACEMENT TECHNIQUES, INCLUDING HOT AND COLD WEATHER CONCRETING. VERIFY THAT CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION AND ACHIEVES PROPER CONSOLIDATION.	CONTINUOUS	CONCRETE TESTING LAB	ACI-CFTT, ACI-STT
6 INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	WBRC A/E	PE/SE, EIT
7 INSPECT FORMWORK GEOMETRY, FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	WBRC A/E	PE/SE, EIT
8 INSPECT THE TIMELY INSTALLATION OF SLAB CONTROL JOINTS AND LOCATION OF THICKENED SLABS.	PERIODIC	WBRC A/E	PE/SE, EIT

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION TASK	FREQUENCY	AGENT	QUALIFICATION
1 REVIEW SHOP FABRICATION CERTIFICATION AND QUALITY CONTROL PROCEDURES.	SUBMITTAL	WBRC A/E	PE/SE
2 VERIFY MATERIALS: REVIEW CERTIFIED MILL TEST REPORTS AND IDENTIFICATION MARKINGS ON WIDE-FLANGE SHAPES, HIGH-STRENGTH BOLTS, NUTS AND WELDING ELECTRODES.	SUBMITTAL	WBRC A/E	PE/SE
3 INSPECT INSTALLATION, FIELD WELDING AND/OR BOLTED AND BRIDGING OF OPEN WEB JOISTS.	PERIODIC	WBRC A/E	PE/SE
4 INSPECT INSTALLATION AND TIGHTENING OF HIGH-STRENGTH BOLTS IN BEARING CONNECTIONS.	PERIODIC	STEEL TESTING AGENCY	AWS/AISC-SSI
5 INSPECTION OF BOLTS IN SLIP-CRITICAL CONNECTIONS.	CONTINUOUS	STEEL TESTING AGENCY	AWS/AISC-SSI
6 VISUALLY INSPECT ALL WELDS. INSPECT PRE-HEAT, POST-HEAT AND SURFACE PREPARATION BETWEEN PASSES. VERIFY SIZE AND LENGTH OF FILLET WELDS.	PERIODIC	STEEL TESTING AGENCY	AWS-CWI
7 ULTRASONIC TESTING OF ALL FULL-PENETRATION WELDS.	PERIODIC	STEEL TESTING AGENCY	AWS-CWI
8 INSPECT SIZE, NUMBER, POSITIONING AND WELDING OF SHEAR CONNECTORS. INSPECT FOR FULL 90 DEGREE FLASH. RING TEST WITH A 3 LB HAMMER, BEND TEST ALL QUESTIONABLE STUDS TO 15 DEGREES.	CONTINUOUS	WBRC A/E	PE/SE, EIT
9 INSPECT STEEL FRAME FOR COMPLIANCE WITH STRUCTURAL DRAWINGS, INCLUDING BRACING, MEMBER CONFIGURATION AND CONNECTION DETAILS.	PERIODIC	WBRC A/E	PE/SE, EIT
10 INSPECT GAGE, TYPE, PLACEMENT, WELDING AND SIDE-LAP FASTENING OF METAL ROOF AND FLOOR DECK.	PERIODIC	WBRC A/E	PE/SE, EIT

CONTRACTOR'S RESPONSIBILITIES

STRUCTURAL TESTS AND SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF ITS RESPONSIBILITIES AND OBLIGATIONS FOR QUALITY CONTROL OF THE WORK, THEIR OBLIGATIONS FOR SUPERVISING THE WORK, FOR ANY DESIGN WORK THAT IS INCLUDED IN THEIR SCOPE OF SERVICES AND

FOR FULL COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. FURTHERMORE, THE DETECTION OF, OR THE FAILURE TO DETECT DEFICIENCIES IN THE WORK DURING TESTING AND INSPECTION CONDUCTED PURSUANT TO THIS PROGRAM SHALL

NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO CORRECT ALL DEFICIENCIES OR DEFECTS, WHETHER DETECTED OR UNDETECTED, IN ALL PARTS OF THE WORK, AND TO OTHERWISE COMPLY WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

JOB SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT PART OF THESE TESTS AND INSPECTIONS.

MATERIALS AND ACTIVITIES TO BE TESTED AND INSPECTED DO NOT INCLUDE THE CONTRACTOR'S EQUIPMENT OR THE MEANS, METHODS AND PROCEDURES USED TO ERECT OR INSTALL THE MATERIALS OR ASSEMBLIES LISTED.

WHERE A STRUCTURAL COMPONENT OR SYSTEM IS SUBJECT TO TESTS AND INSPECTIONS AS DETERMINED BY THE BUILDING OFFICIAL, AND THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR THE PROJECT HAS NOT BEEN RETAINED TO DESIGN OR,

TO PREPARE A PERFORMANCE SPECIFICATION FOR SAID COMPONENT OR SYSTEM, THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER TO DESIGN SAID COMPONENT OR SYSTEM AND TO PROVIDE ANY REQUIRED TESTS AND INSPECTIONS.

THE CONTRACTOR SHALL PROVIDE FREE AND SAFE ACCESS TO THE WORK FOR ALL INDIVIDUALS WHO ARE PERFORMING THE TESTS OR INSPECTIONS.

THE CONTRACTOR SHALL PROVIDE ALL LADDERS, SCAFFOLDING, STAGING, AND UP-TO-DATE SAFETY EQUIPMENT, ALL IN GOOD AND SAFE WORKING ORDER, AND QUALIFIED PERSONNEL TO HANDLE AND ERECT THEM, AS MAY BE REQUIRED FOR SAFE ACCESS.

THE CONTRACTOR SHALL GIVE REASONABLE NOTICE TO THOSE PERFORMING INSPECTIONS AND TESTS OF WHEN THE VARIOUS PARTS OF THE WORK WILL BE READY FOR TESTING AND INSPECTION.

THE CONTRACTOR SHALL OBTAIN INSTRUCTIONS FROM THE INSPECTION COORDINATOR AS TO WHAT IS REASONABLE NOTICE FOR THE VARIOUS ASPECTS OF THE WORK (TYPICALLY 48 HOURS), WHO IS TO BE NOTIFIED AND HOW.

THE OWNER RESERVES THE RIGHT TO BACK CHARGE THE CONTRACTOR FOR ADDITIONAL EXPENSE INCURRED BY THE OWNER FOR THE SERVICES OF THE INSPECTORS WHEN WORK IS NOT REASONABLY READY FOR INSPECTION IN ACCORDANCE WITH THE NOTICE PROVIDED BY THE CONTRACTOR.

LIKEWISE, IF WORK IS REPEATEDLY FOUND DEFICIENT, COSTS FOR A THIRD INSPECTION AND BEYOND MAY BE REIMBURSED FROM THE CONTRACTOR.

SCHEDULE OF TESTING AND INSPECTION AGENCIES

SPECIAL INSPECTION AGENCIES	FIRM	ADDRESS, TELEPHONE
1 SPECIAL INSPECTION COORDINATOR	WBRC ARCHITECTS ENGINEERS	44 CENTRAL STREET BANGOR, MAINE 04401 V. (207) 947-4511 F. (207) 947-4628
2 BUILDING INSPECTOR	WBRC ARCHITECTS ENGINEERS	44 CENTRAL STREET BANGOR, MAINE 04401 V. (207) 947-4511 F. (207) 947-4628
3 EARTHWORK INSPECTOR	TO BE DETERMINED	
4 CONCRETE / MASONRY TESTING LABORATORY	TO BE DETERMINED	
5 STRUCTURAL STEEL WELD TESTING AGENCY	TO BE DETERMINED	
6 COLD FORMED METAL FRAMING INSPECTOR	TO BE DETERMINED, INCLUDED IN THE CONTRACTOR'S SCOPE OF SERVICES	

NOTE: UNLESS NOTED OTHERWISE, THE INSPECTORS AND TESTING AGENCIES SHALL BE ENGAGED BY THE OWNER, AND NOT BY THE CONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK.

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NO CHANGE

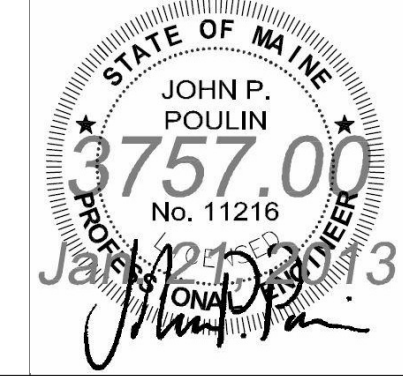
2	CONSTRUCTION DOCUMENTS	01-21-2013
1	NW ENTRY CONSTRUCTION DOCS	10-31-2012
0	NW ENTRY F.S.E. CON. DOCS	08-23-2012

REV. DESCRIPTION DATE

CONSTRUCTION DOCUMENTS

01-21-2013

CURRENT ISSUE STATUS:



CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

STRUCTURAL TESTS AND SPECIAL INSPECTIONS

SHEET TITLE

WBRC CAD FILE: C:\Users\jpp\Documents\07191 - CCCC Structure_dethlefs\jpp

PROJECT No. **3757.00** GRAPHIC SCALE: 1" = 10'

SCALE: **12" = 1'-0"**

PROJECT MANAGER: JRB SHEET No. **S0.02**

DRAWN BY: ADB

CHECKED BY: JPP

1/21/2013 1:37:52 PM C:\Users\jpp\Documents\07191 - CCCC Structure_dethlefs\jpp

SINK COMBS DETHLEFS

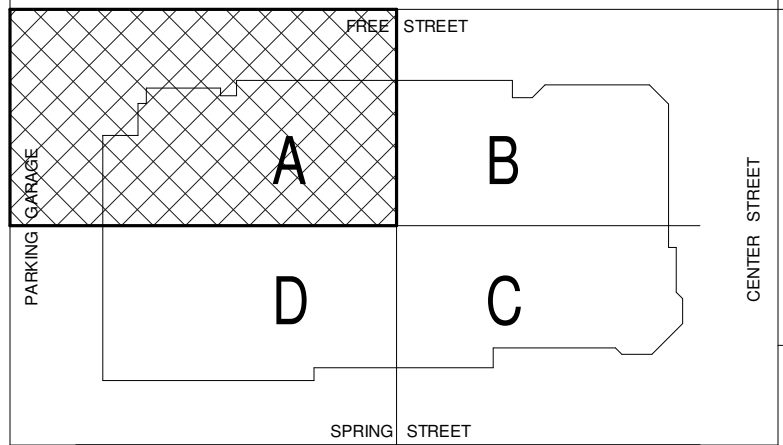
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FOUNDATION AND CONCOURSE SLAB PLAN NOTES:

- TOP OF SLAB = 76'-0" U.N.O. AS SHOWN AS:
- SEE S2.31A FOR TOP OF WALL ELEVATIONS, TYP.
- SLAB-ON-GRADE CONSTRUCTION IS 5" THICK (U.N.O.), CAST-IN-PLACE 3,500 PSI CONCRETE w/ #4@16" EACH WAY. SEE SECTIONS AND TYPICAL DETAILS FOR REINFORCEMENT AT SLAB EDGES.
- PROVIDE SAWCUT CONTROL JOINTS AT 12'-6" o/c MAXIMUM EACH WAY BETWEEN COLUMN LINES AND DIAGONALLY OFF ALL INSIDE SLAB-ON-GRADE CORNERS WITHIN 12 HOURS OF PLACING SLAB.
- (ELEV.) INDICATES TOP OF FOOTING ELEVATION. COORDINATE REQUIRED TOP OF EXCAVATION WITH FOOTING THICKNESS PER SCHEDULE AND SECTIONS.
- FOUNDATION WALL PENETRATIONS NOT SHOWN. COORD. w/ OTHER TRADES AND PROVIDE SLEEVES AND/OR CORES THROUGH WALLS AS REQUIRED.
- SEE S3.00 SERIES OF DRAWINGS FOR ALL TYPICAL CONCRETE SECTIONS AND DETAILS.
- "ETR" INDICATES EXISTING TO REMAIN STRUCTURE

FOOTING SCHEDULE		
MARK	SIZE (THICKNESS U.N.O.)	REINFORCING
F4	4'-0" SQ. x 1'-0"	(5)-#5 B.E.W.
F5	5'-0" SQ. x 1'-0"	(6)-#6 B.E.W.
F264	2'-6" x 4'-0" x 1'-0"	#5@10" B.E.W.
F334	3'-3" x 4'-0" x 1'-6"	

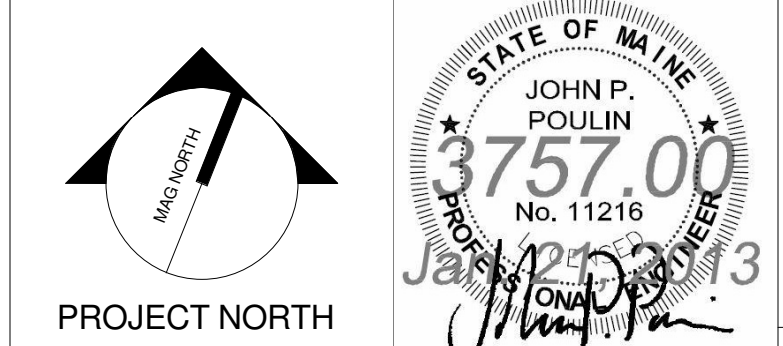
PIER SCHEDULE			
MARK	TOP ELEV. U.N.O.	SIZE	REINFORCING
(P21A)	89'-0"	21" SQ.	(8)-#6 VERT. w/ OVERLAPPING #3 BOX & HAIRPIN TIES, SEE S-302 FOR ARRANGEMENT
(P24A)	89'-0"	24" SQ.	
(P24B)	88'-10 1/2"		



REV.	DESCRIPTION	DATE
4	CONSTRUCTION DOCUMENTS	01-21-2013
3	NW ENTRY CONSTRUCTION DOCS	10-31-2012
2	ADDENDUM #2	09-21-2012
1	RFIR #2	09-05-2012
0	NW ENTRY F.S.E. CON. DOCS	08-23-2012

CONSTRUCTION DOCUMENTS

01-21-2013
CURRENT ISSUE STATUS:

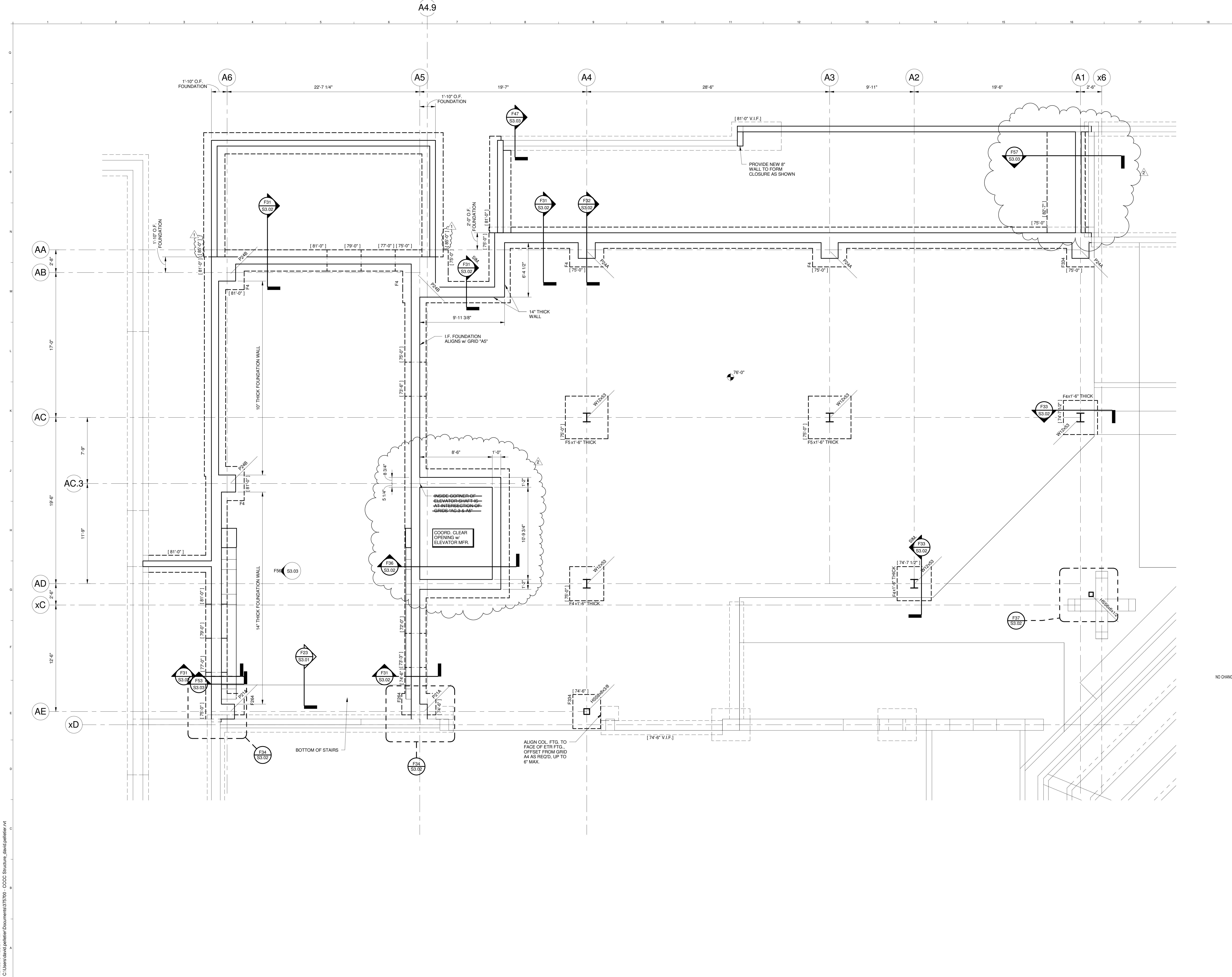


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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
MAIN CONCOURSE LEVEL FOUNDATION PLAN - QUAD A

SHEET TITLE:
WBRC CAD FILE: C:\Users\jandj\pallier\Documents\375700 - CCCC Structure_detailed\pallier.rvt
PROJECT No. **3757.00** GRAPHIC SCALE: 1" = 1'-0"
SCALE: 1/4" = 1'-0"
PROJECT MANAGER: JRB
DRAWN BY: ADB
CHECKED BY: JPP
SHEET No. **S2.21A**



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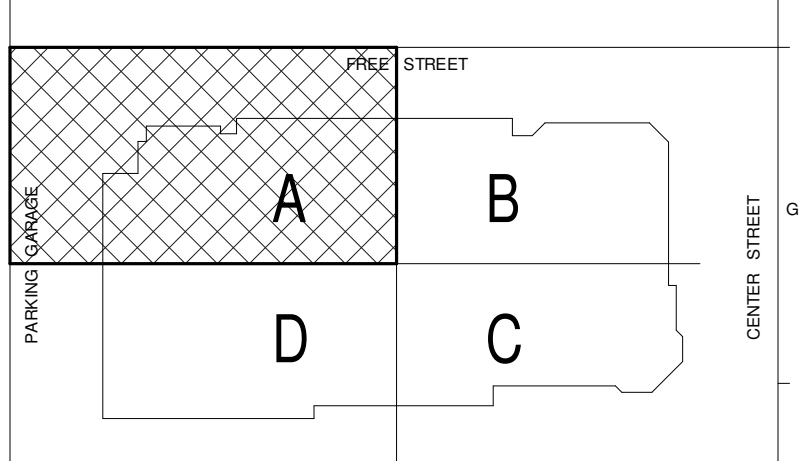
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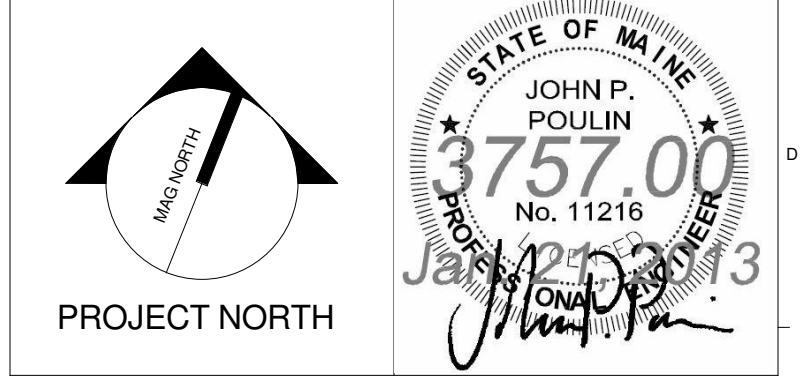
MID SUITE LEVEL FLOOR FRAMING PLAN NOTES:

- TOP OF STEEL = UNDERSIDE OF DECK = 89'-0" U.N.C. BY (+/-)
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
"T" NWC "T" INDICATES THICKNESS OF NORMAL WEIGHT CONCRETE (NWC).
"D" CSFD "D" INDICATES DEPTH OF 18 GAGE COMPOSITE STEEL FLOOR DECK (CSFD).
T + D = TOTAL SLAB THICKNESS.
- ALL CONCRETE FOR SLAB ON DECK CONSTRUCTION IS 3,500 PSI CONCRETE.
- REINFORCE TOP OF SLABS w/ 6x6 W2.9W2.9 WWF. REINFORCE PERIMETER AND EDGES OF SLAB AROUND OPENINGS w/ (2)-#5 CONTINUOUS, (1) EA. SIDE OF COLUMN, AND #3x3'-0" LG. HOOKED BARS @12"o.c.
- SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
5.1 FIELD & SHOP WELDED OUTRIGGER CONNECTION TO RESIST GRAVITY FORCES ONLY. SEE SECTIONS.
5.2 INDICATES EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
5.3 CANTILEVERED BEAM SPLICE CONNECTION. SEE TYP. DETAIL.
- PROVIDE 3/4" DIAMETER, 4" LONG HEADED SHEAR STUDS FIELD WELDED TO THE TOP OF STEEL FRAMING IN QUANTITIES NOTED ON PLAN AS FOLLOWS:
6.1 #/F NUMBER OF STUDS TO BE UNIFORMLY SPACED ALONG ENTIRE LENGTH OF BEAM.
6.2 #/R NUMBER OF STUDS TO BE UNIFORMLY SPACED BETWEEN INTERMEDIATELY SUPPORTED MEMBERS (BEAMS AND/OR POSTS).
7. +PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR SLAB AND ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS, UNLESS NOTED OR DETAILED OTHERWISE. PROVIDE PLATE AT ALL SLAB AND ROOF EDGES, U.N.C., EXCEPT PROVIDE GAGE METAL POURTOP @ MEP CHASE OPENINGS, SEE SECTIONS.
- ALL SLAB OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. CONTRACTOR SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DWGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
- "ETR" INDICATES EXISTING TO REMAIN STRUCTURE



REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	RFIR #33	10-02-2012
0	NW ENTRY F.S.E. CON. DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01-21-2013
CURRENT ISSUE STATUS:



PROJECT NORTH

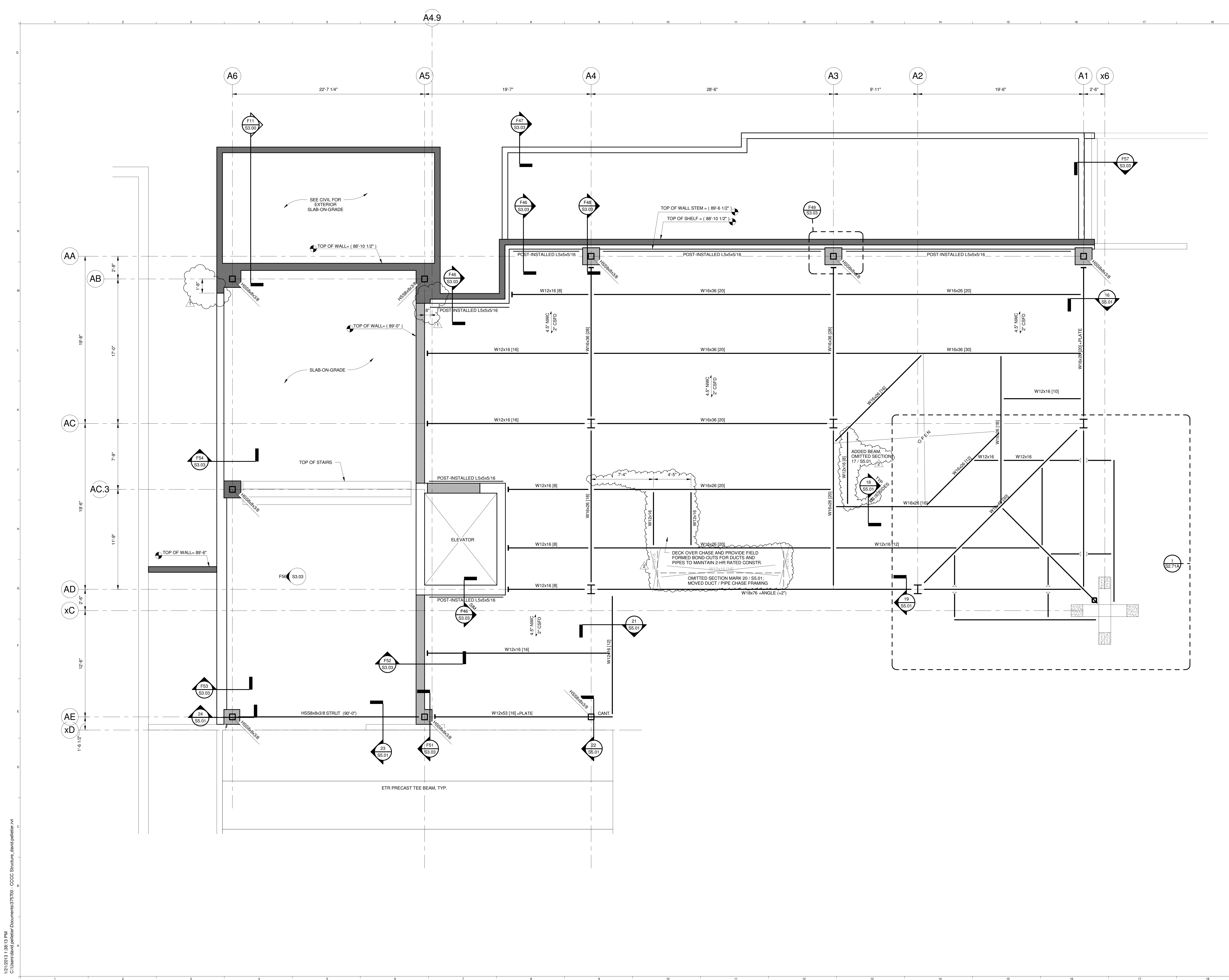
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PORTLAND, MAINE

MID SUITE LEVEL FLOOR FRAMING PLAN - QUAD A

SHEET TITLE	MID SUITE LEVEL FLOOR FRAMING PLAN - QUAD A
WBRC CAD FILE	C:\Users\jandj\polder\Documents\07191 - CCCC Structure_dent\polder.rvt
PROJECT No.	3757.00
SCALE	1/4" = 1'-0"
PROJECT MANAGER	JRB
DRAWN BY	ADB
CHECKED BY	JPP
SHEET No.	23.31A



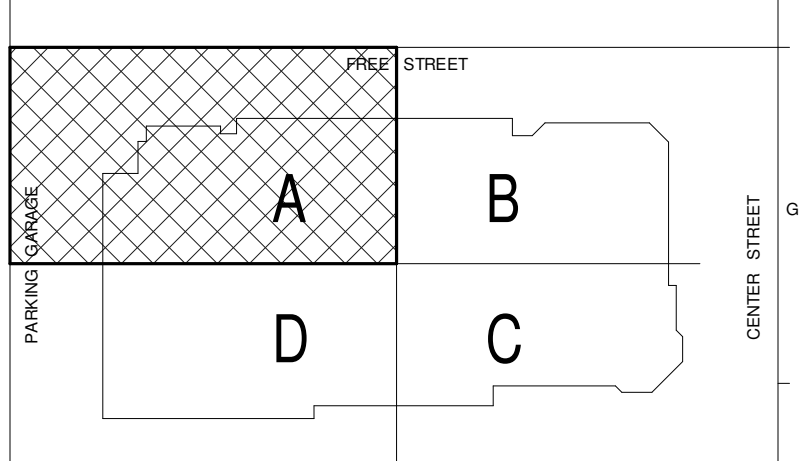
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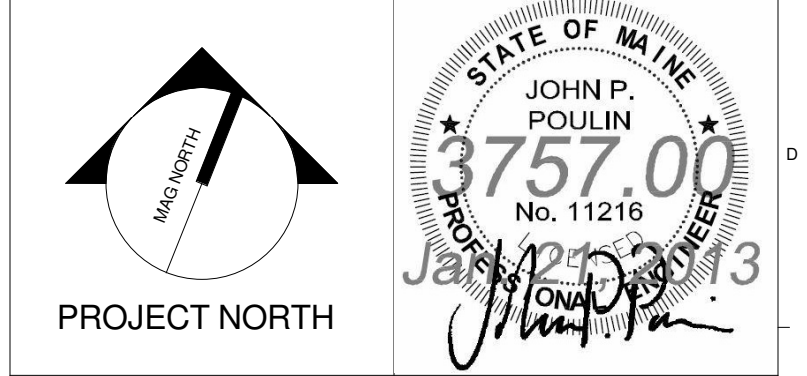
UPPER SUITE FLOOR & LOW ROOF FRAMING PLAN NOTES:

- TOP OF STEEL (T.O.S.) - UNDERSIDE OF DECK.
 - T.O.S. @ UPPER SUITE = 102'-0" U.N.O. BY (+/-)
 - T.O.S. @ LOW ROOF (INDICATED BY 1. W BEAM) = 102'-2 1/2" U.N.O. BY (+/-)
 - T.O.S. @ MARQUEE ROOF (INDICATED BY 2. W BEAM) = 105'-11" U.N.O. BY (+/-)
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
 - TYPE "N" 18 GAGE 3" DEEP (TYPE "N") METAL ROOF DECK
 - TYPE "N" 18 GAGE 3" DEEP (TYPE "N") METAL ROOF DECK
- ALL CONCRETE FOR SLAB ON DECK CONSTRUCTION IS 3,500 PSI CONCRETE.
- REINFORCE TOP OF SLABS w/ 6x6 W2.9xW2.9 WWF. REINFORCE PERIMETER AND EDGES OF SLAB AROUND OPENINGS w/ (2) #5 CONTINUOUS, (1) EA. SIDE OF COLUMN, AND #3x3'-0" LG. HOOKED BARS @ 12" o/c.
- SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
 - FIELD & SHOP WELDED OUTRIGGER CONNECTION TO RESIST GRAVITY FORCES ONLY, SEE SECTIONS.
 - INDICATES EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
 - CANTILEVERED BEAM SPICE CONNECTION, SEE TYP. DETAIL.
- PROVIDE 3/4" DIAMETER x 4" LONG HEADED SHEAR STUDS FIELD WELDED TO THE TOP OF STEEL FRAMING IN QUANTITIES NOTED ON PLAN AS FOLLOWS:
 - NUMBER OF STUDS TO BE UNIFORMLY SPACED ALONG ENTIRE LENGTH OF BEAM
 - NUMBER OF STUDS TO BE UNIFORMLY SPACED BETWEEN INTERMEDIATELY SUPPORTED MEMBERS (BEAMS AND/OR POSTS)
- +ANGLE INDICATES CONTINUOUS L5x3-1/2x5/16 (LH) SHOP WELDED TO BEAM FOR WALL ANCHORAGE, U.N.O. IN SECTIONS
- +PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR SLAB AND ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS, UNLESS NOTED OR DETAILED OTHERWISE. PROVIDE PLATE AT ALL SLAB AND ROOF EDGES, U.N.O. EXCEPT PROVIDE GAGE METAL POURSTOP @ MEP CHASE OPENINGS, SEE SECTIONS.
- ALL SLAB AND ROOF DECK OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. GO SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DRAWINGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
- ETR INDICATES "EXISTING" STRUCTURE.



REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	ADDENDUM #2	09-21-2012
0	NW ENTRY F.S.E CON. DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01-21-2013
CURRENT ISSUE STATUS:

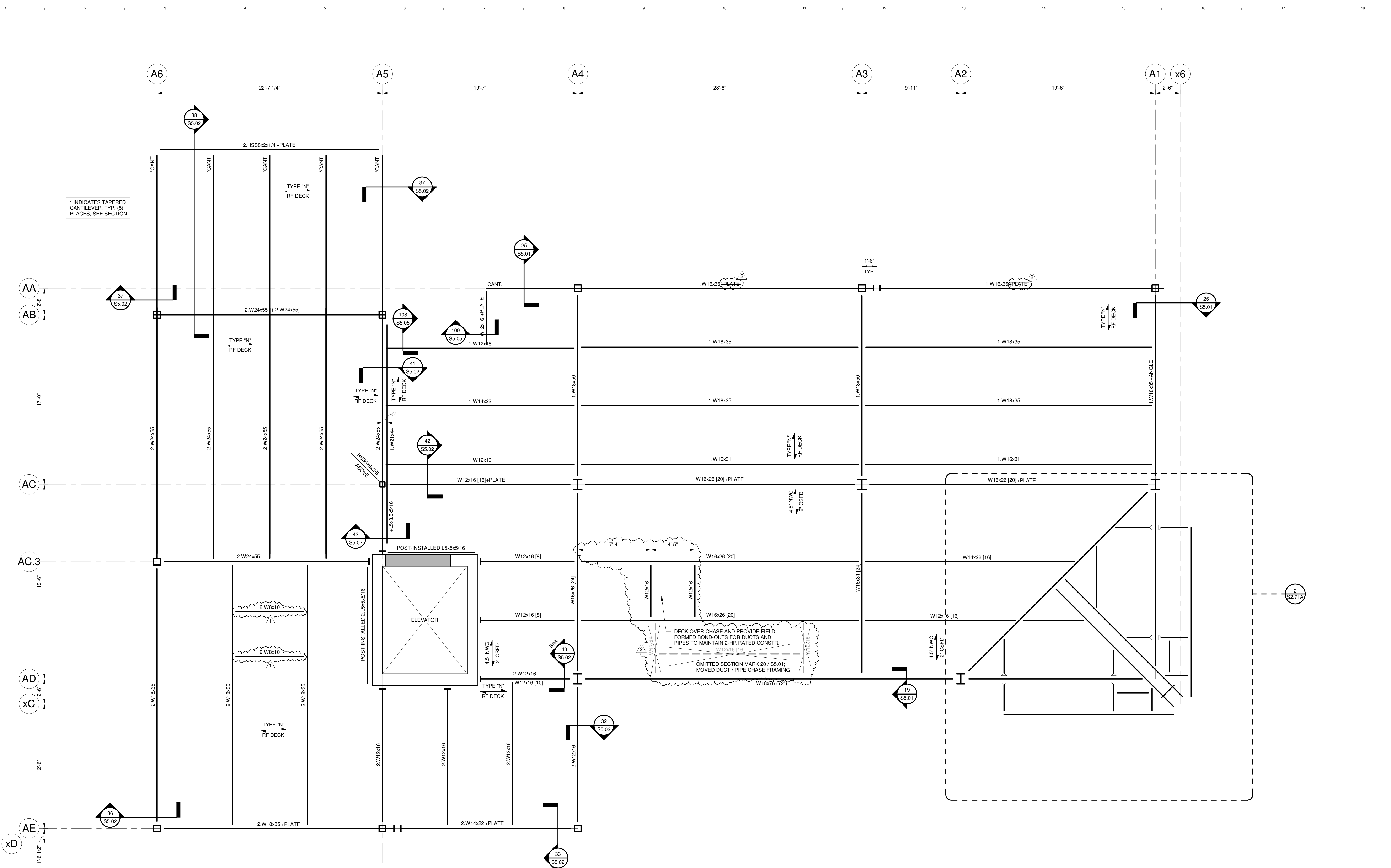


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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

UPPER SUITE LEVEL FLOOR FRAMING PLAN - QUAD A

PROJECT No.	3757.00	GRAPHIC SCALE	1" = 1'-0"
SCALE	1/4" = 1'-0"		
PROJECT MANAGER	JRB	SHEET No.	S2.41A
DRAWN BY	ADB		
CHECKED BY	JPP		

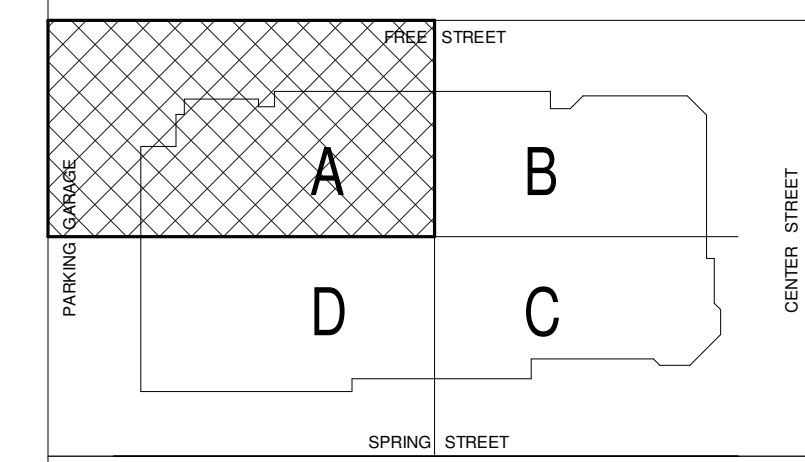
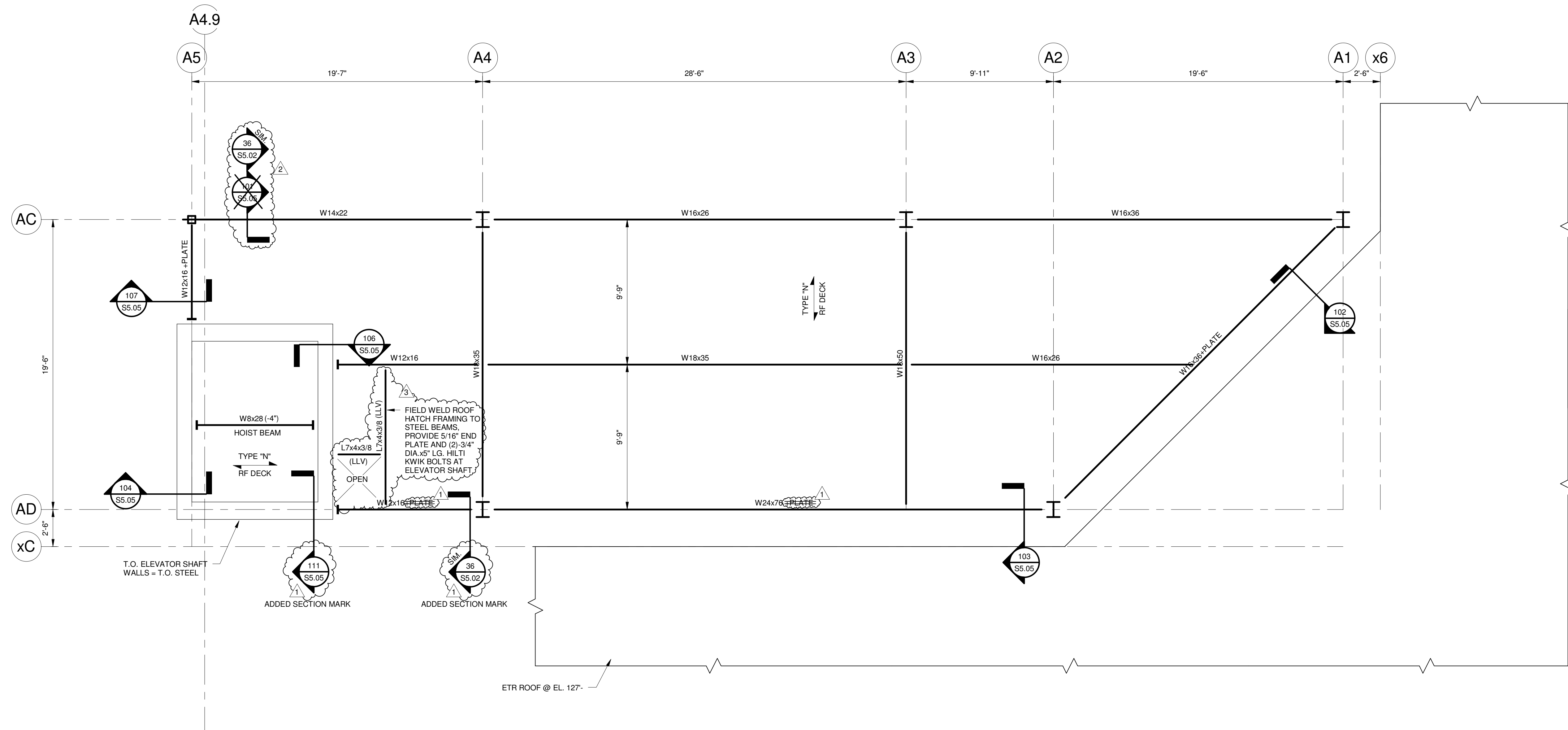


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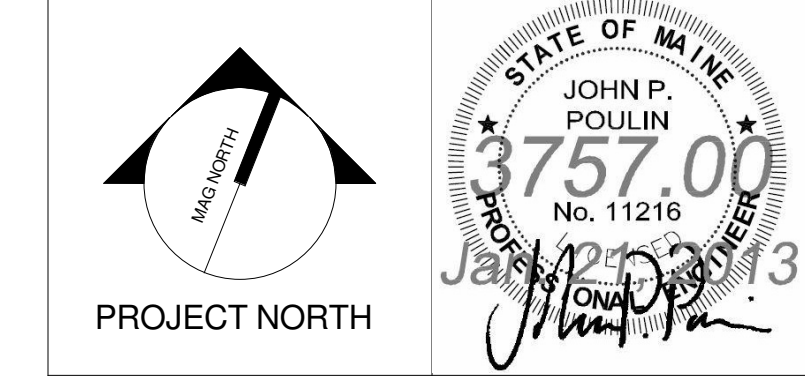
UPPER SUITE ROOF FRAMING PLAN NOTES:

- TOP OF STEEL (T.O.S.) = UNDERSIDE OF DECK = 117'-0" U.N.O. BY (+/-)
- NOTE: THIS ELEVATION SUBJECT TO CHANGE PENDING ELEVATOR SELECTION AND CLEARANCE REQUIREMENTS
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
2.A. TYPE "N" 18 GAUGE 3" DEEP (TYPE "N") METAL ROOF DECK
RF DECK
- INDICATES EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
INDICATES CONTINUOUS L5x3-1/2x5/16 (LLH) SHOP WELDED TO BEAM FOR WALL ANCHORAGE, U.N.O. IN SECTIONS
- INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS, UNLESS NOTED OR DETAILED OTHERWISE. PROVIDE PLATE AT ALL SLAB AND ROOF EDGES, U.N.O. SEE SECTIONS.
- ALL ROOF DECK OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. GC SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DRAWINGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
- ETR INDICATES 'EXISTING TO REMAIN' STRUCTURE



REV.	DESCRIPTION	DATE
4	CONSTRUCTION DOCUMENTS	01-21-2013
3	SI #10	12-05-2012
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	ADDENDUM #2	09-21-2012
0	NW ENTRY F.S.E CONL. DOCS	08-23-2012

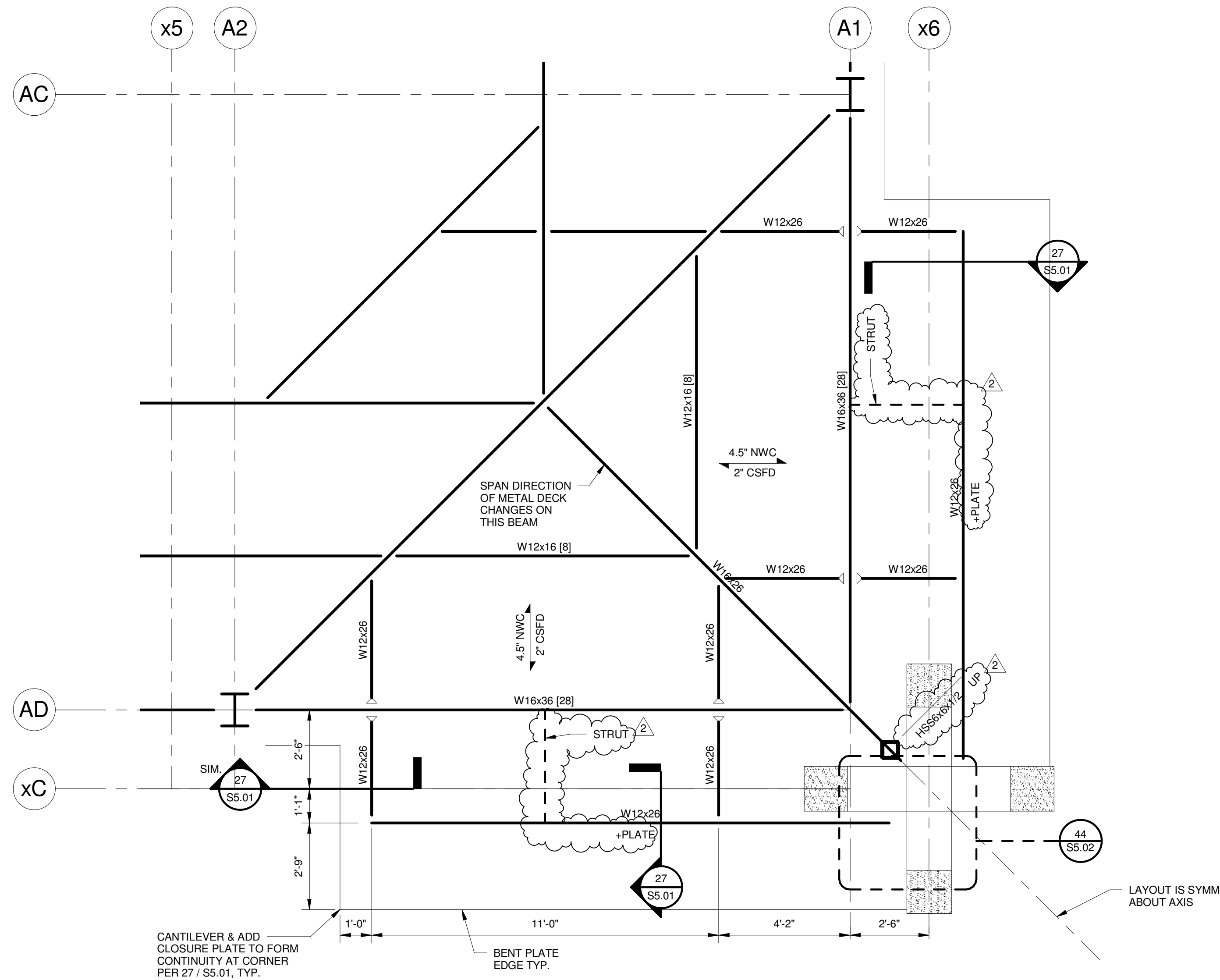
SI #10
12-05-2012
CURRENT ISSUE STATUS:



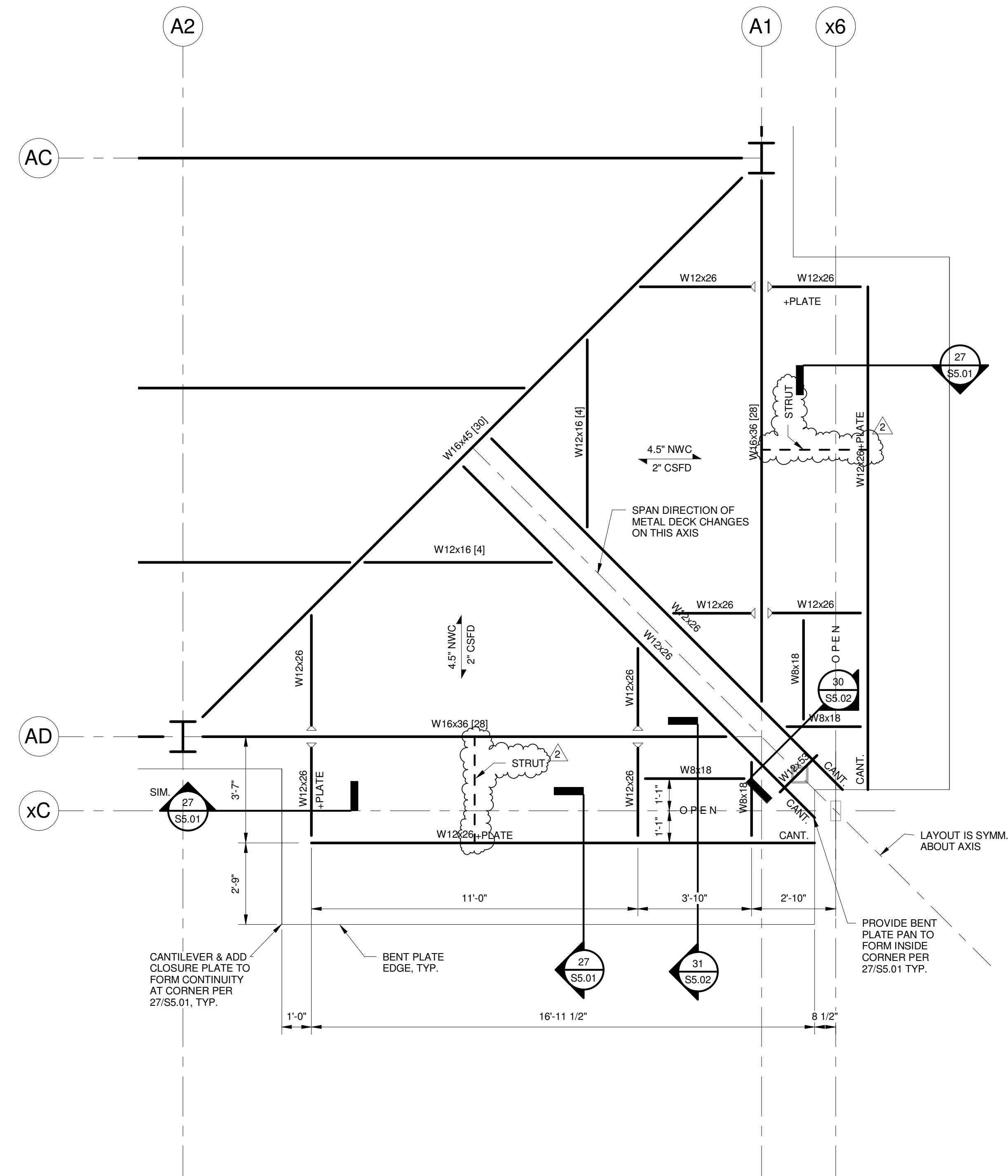
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE
ROOF FRAMING PLAN

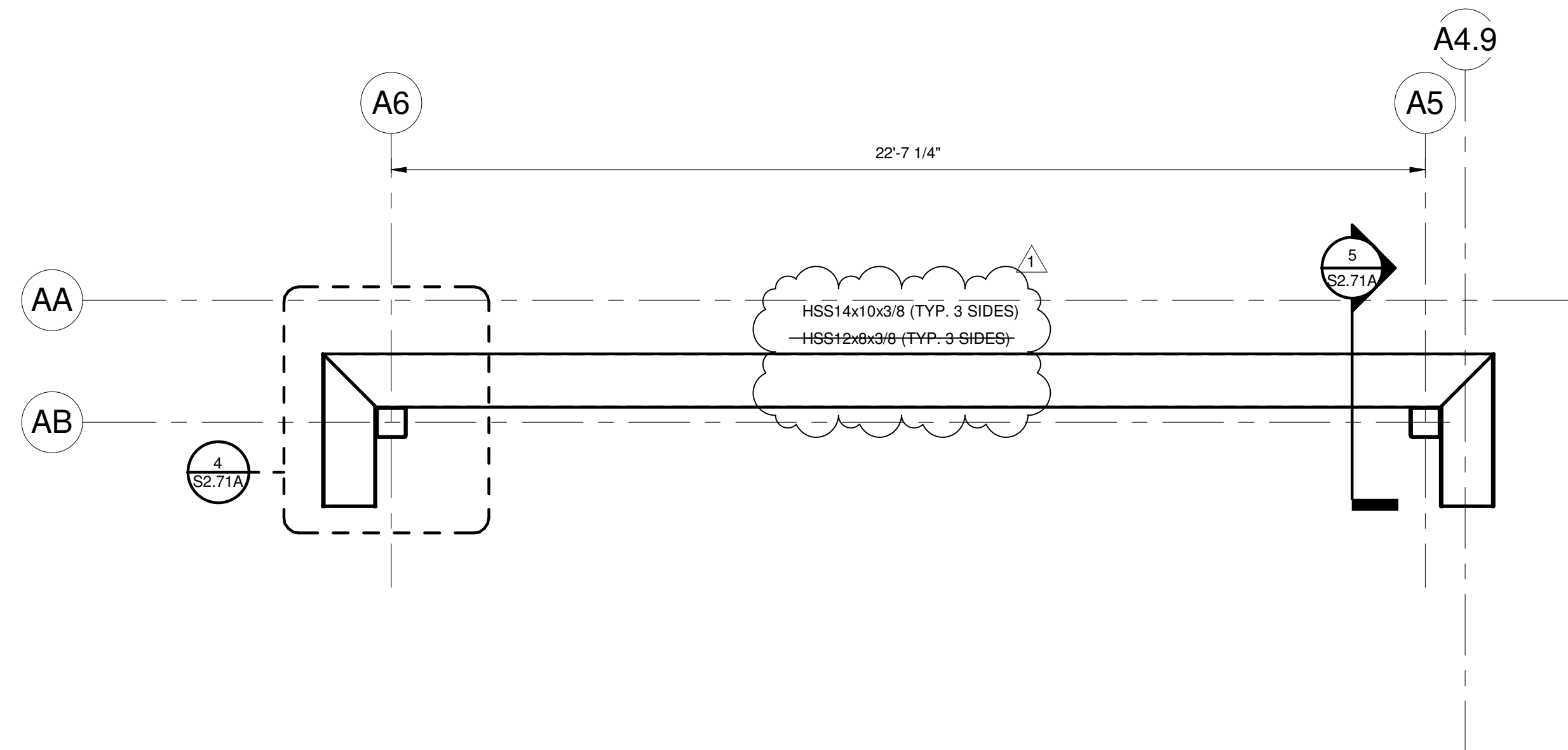
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PROJECT No. **3757.00** GRAPHIC SCALE: 1" = 1'-0"
SCALE: 1/4" = 1'-0"
PROJECT MANAGER: JRB
DRAWN BY: ADB
CHECKED BY: JPP
SHEET No. **S2.61A**



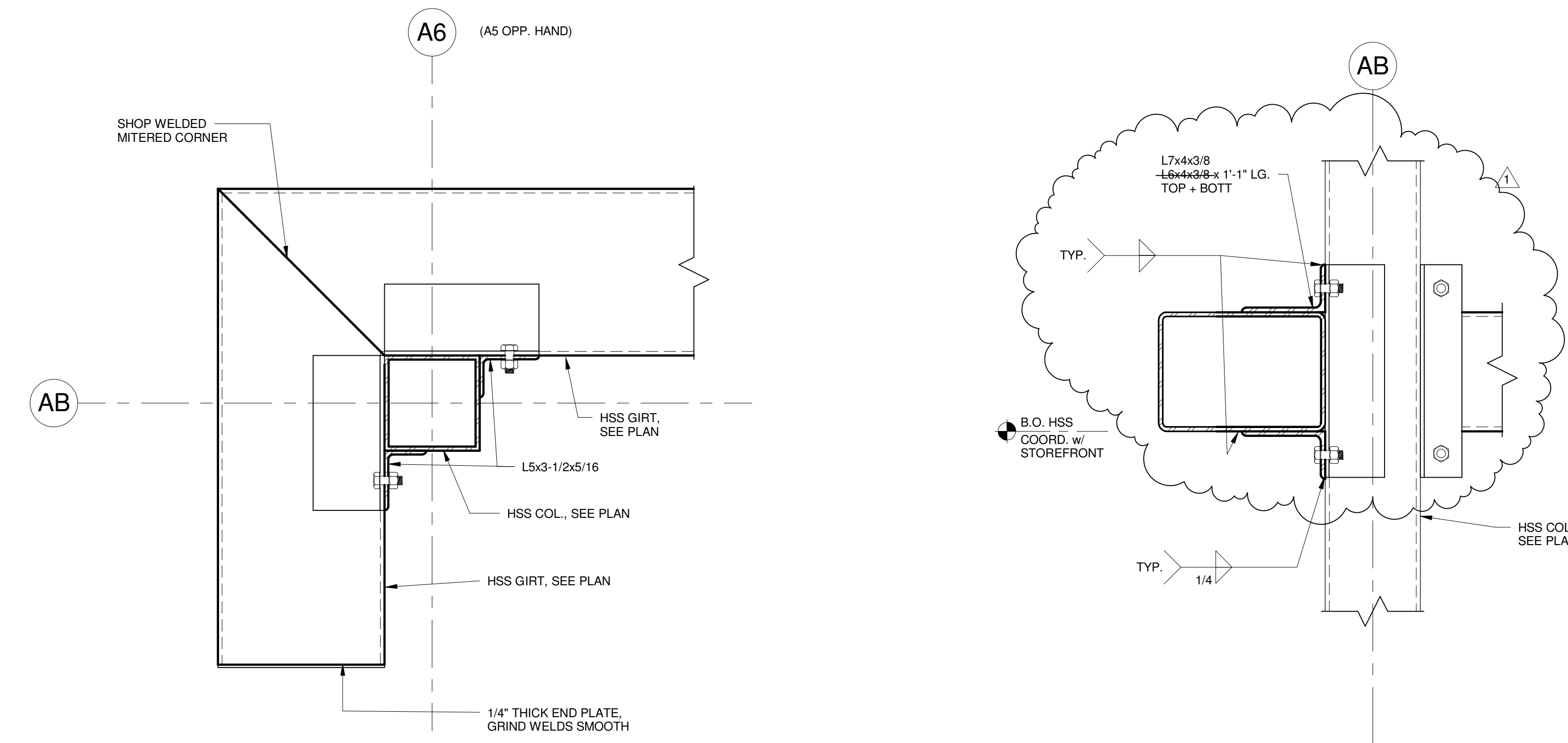
1 MID SUITE FLOOR ENLARGED FRAMING PLAN
3/8" = 1'-0"



2 UPPER SUITE FLOOR ENLARGED FRAMING PLAN
3/8" = 1'-0"

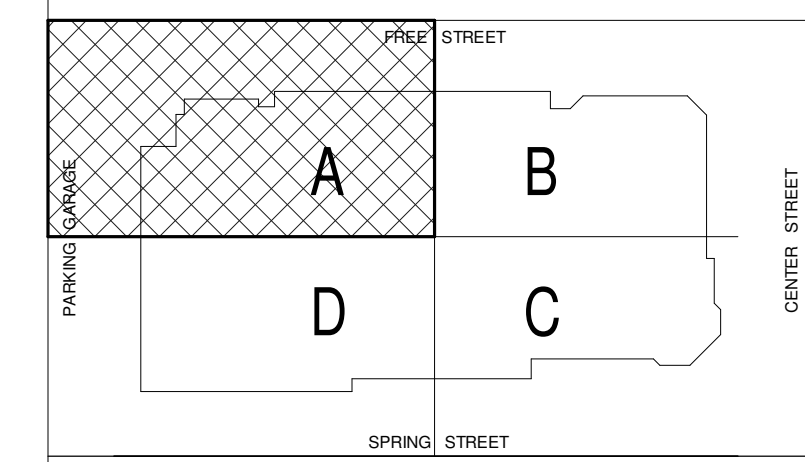


3 ENTRY STOREFRONT GIRTS FRAMING
3/8" = 1'-0"



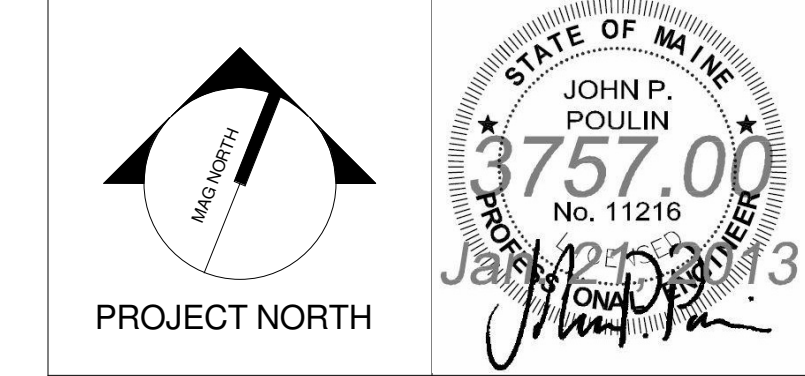
4 DETAIL
1 1/2" = 1'-0"

5 SECTION
1 1/2" = 1'-0"



REV.	DESCRIPTION	DATE
3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	ADDENDUM #2	09-21-2012
0	NW ENTRY F.S.E CONL. DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
01-21-2013
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
ENLARGED FRAMING PLANS

SHEET TITLE	WBRC CAD FILE: C:\Users\jpdethlefs\Documents\37570 - CCCO Structure_detailed\pdl\pdl.rvt
PROJECT No.	3757.00 GRAPHIC SCALE: 1" = 10'
SCALE	As indicated
PROJECT MANAGER	JRB
DRAWN BY	ADB
CHECKED BY	JPP
SHEET No.	S2.71A

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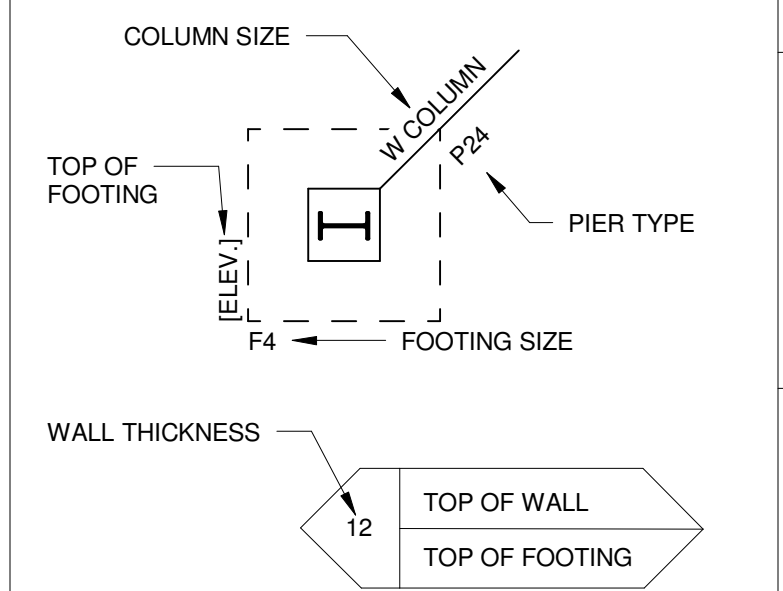
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MECHANICAL BASEMENT AND SOUTHEAST ENTRY FOUNDATION PLAN NOTES

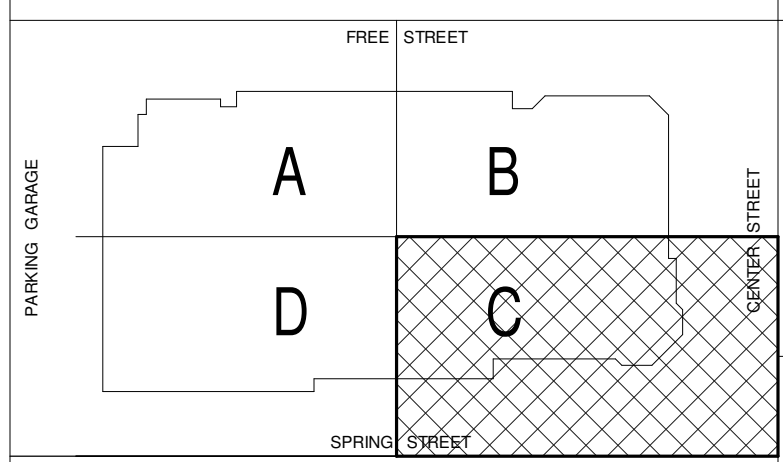
- TOP OF SLAB = 50'-10" U.N.O. AS SHOWN AS: **XX'-YY"**
- SEE PLAN FOR TOP OF WALL ELEVATIONS, TYP. SLAB-ON-GRADE CONSTRUCTION IS 5" THICK (U.N.O.), CAST-IN-PLACE 3,500 PSI CONCRETE W/ #4@1' EACH WAY. SEE SECTIONS AND TYPICAL DETAILS FOR REINFORCEMENT AT SLAB EDGES.
- PROVIDE SAWCUT CONTROL JOINTS AT 12'-5" o/c MAXIMUM EACH WAY BETWEEN COLUMN LINES AND DIAGONALLY OFF ALL INSIDE SLAB-ON-GRADE CORNERS WITHIN 12 HOURS OF PLACING SLAB.
- [ELEV.] INDICATES TOP OF SPREAD FOOTING ELEVATION. COORDINATE REQUIRED TOP OF EXCAVATION WITH FOOTING THICKNESS PER SCHEDULE AND SECTIONS. NOTE: COLUMN/PIER FOOTINGS TO BEAR DIRECTLY ON SOUND LEDGE. BUILD UP AS REQ'D w/ LEAN CONCRETE TO ACHIEVE BOTTOM OF FOOTING ELEVATION.
- FOUNDATION WALL PENETRATIONS NOT SHOWN. COORD. w/ OTHER TRADES AND PROVIDE SLEEVES AND/OR CORES THROUGH WALLS AS REQUIRED.
- SEE S3.00 SERIES OF DRAWINGS FOR ALL TYPICAL CONCRETE SECTIONS AND DETAILS.
- "ETR" INDICATES EXISTING TO REMAIN STRUCTURE



FOOTING SCHEDULE			
MARK	SIZE (THICKNESS U.N.O.)	REINFORCING	
F4	4'-0" SQ. x 1'-6"	(5)-#5 B.E.W.	
F5	5'-0" SQ. x 1'-6"	(6)-#6 B.E.W.	

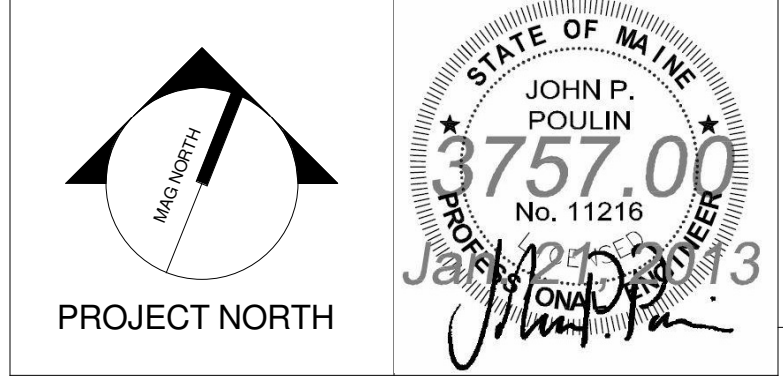
PIER SCHEDULE			
MARK	TOP ELEV. U.N.O.	SIZE	REINFORCING
P24	SEE PLAN	24" SQ.	(8)-#8 VERT. w/ OVERLAPPING #3 BOX & HAIRPIN TIES

- UNDERSIDE OF COLUMN BASE PLATE ELEVATION IS 0'-1" ABOVE TOP OF FOOTING OR PIER. STEEL FAB. TO COORDINATE PLAN AND SCHEDULE
- SEE TYPICAL CONCRETE DETAILS FOR ARRANGEMENT OF VERTICAL PIER REINFORCING AND TIES. SEE SECTIONS FOR VERTICAL SPACING OF TIES AND DOWELS TO FOOTINGS.



REV.	DESCRIPTION	DATE
0	CONSTRUCTION DOCUMENTS	01-21-2013

01-21-2013
CURRENT ISSUE STATUS:



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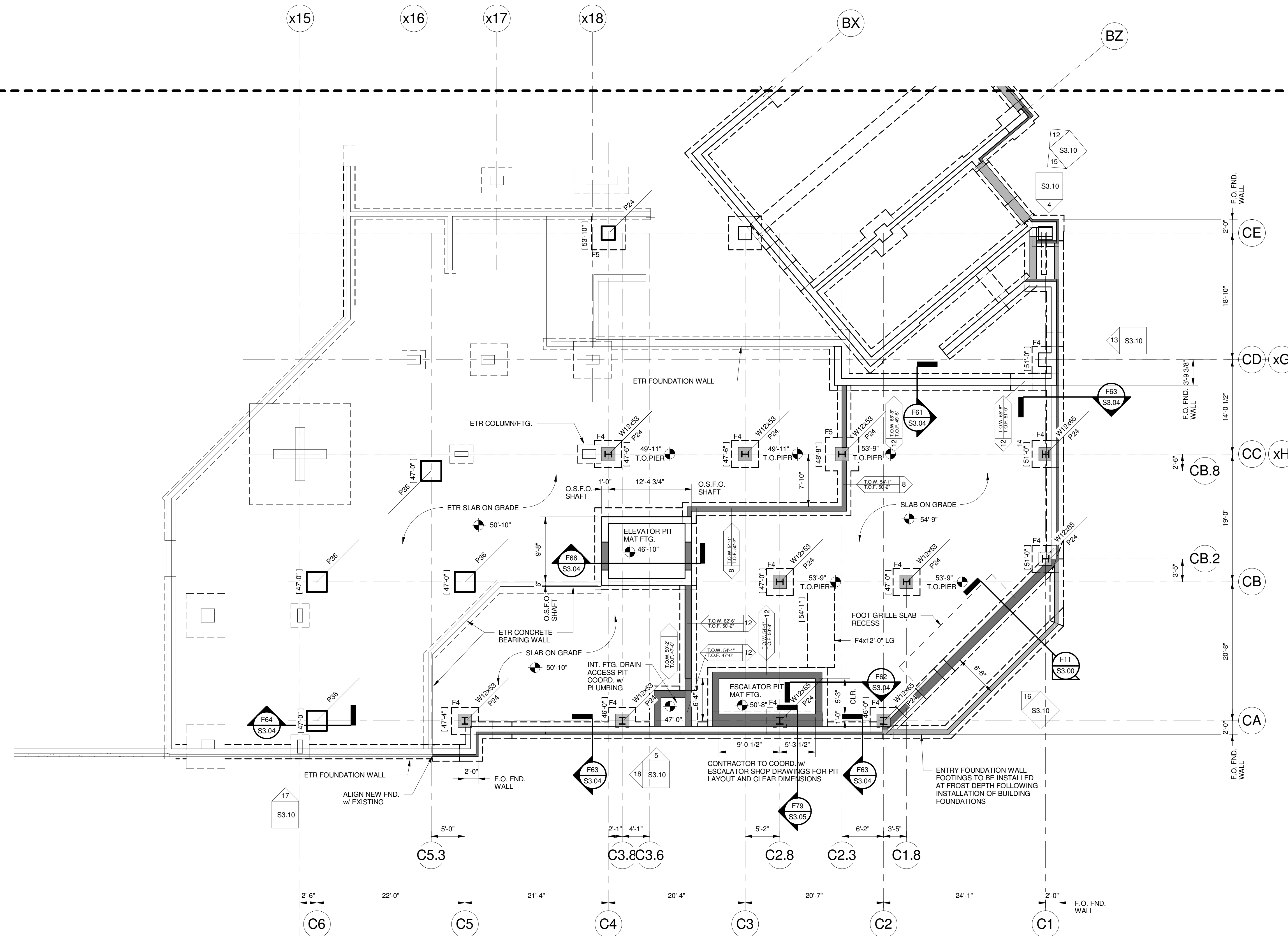
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

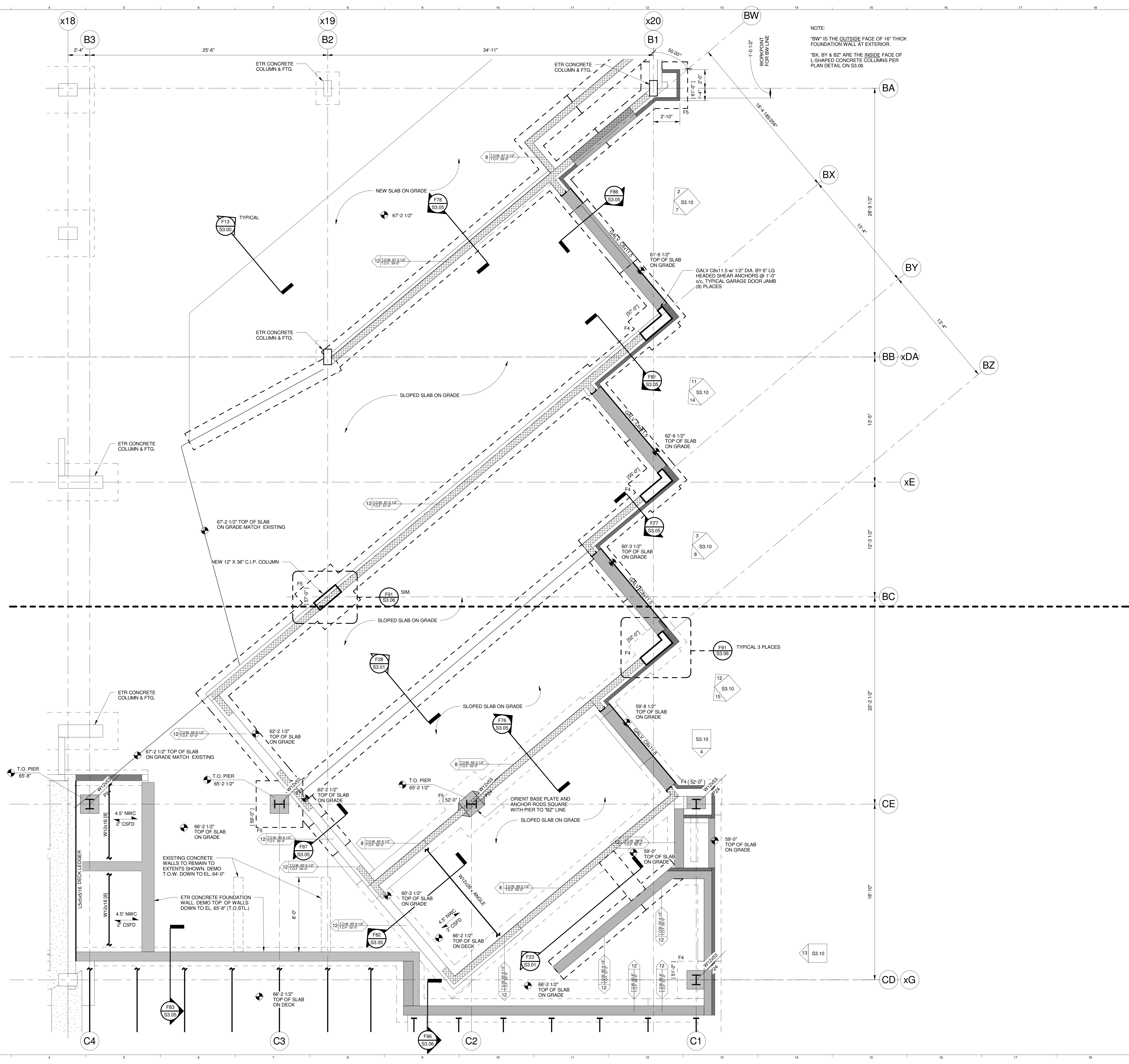
PROJECT: PORTLAND, MAINE

MECHANICAL LEVEL FOUNDATION PLAN - QUAD C

SHEET TITLE	
PROJECT No.	3757.00
SCALE	As indicated
PROJECT MANAGER	JRB
DRAWN BY	ADG
CHECKED BY	JPP
SHEET No.	S2.03B



1 MECHANICAL LEVEL FOUNDATION PLAN - QUAD C
1/8" = 1'-0"



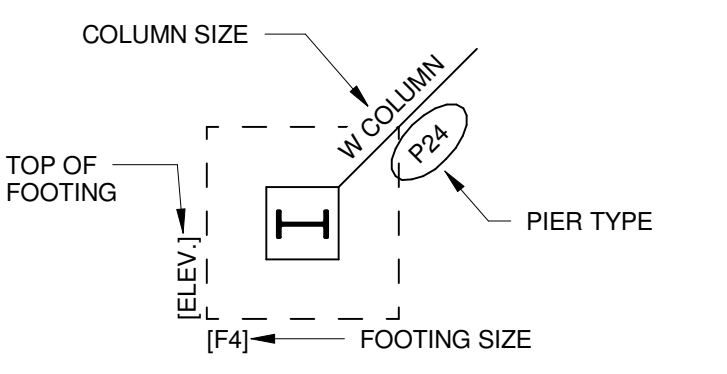
NOTE:
 BW IS THE OUTSIDE FACE OF 16" THICK FOUNDATION WALL AT EXTERIOR.
 BX, BY & BZ ARE THE INSIDE FACE OF L-SHAPED CONCRETE COLUMNS PER PLAN DETAIL ON S3.06

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FOUNDATION AND SLAB PLAN NOTES:

- TOP OF SLAB - "XX-YY" SHOWN ON PLAN AS:
- SEE S3.10 FOR TOP OF FOOTING, PIER, WALL AND BRICK SHELF ELEVATIONS AT ALL EXTERIOR WALLS. SEE PLAN FOR TOP OF FOOTING AND WALL ELEVATIONS AT INTERIOR WALLS ANNOTATED AS SHOWN:
 WALL THICKNESS IN INCHES
- SLAB-ON-GRADE CONSTRUCTION IS 5" THICK (U.N.O.), CAST-IN-PLACE 3,500 PSI CONCRETE w/ #4@16" EACH WAY. SEE SECTIONS AND TYPICAL DETAILS FOR REINFORCEMENT AT SLAB EDGES.
- PROVIDE SAWCUT CONTROL JOINTS AT 12'-6" o/c MAXIMUM EACH WAY BETWEEN COLUMN LINES AND DIAGONALLY OFF ALL INSIDE SLAB-ON-GRADE CORNERS WITHIN 12 HOURS OF PLACING SLAB.
- (ELEV.) INDICATES TOP OF FOOTING ELEVATION. COORDINATE REQUIRED TOP OF EXCAVATION WITH FOOTING THICKNESS PER SCHEDULE AND SECTIONS. NOTE: COLUMN/PIER FOOTINGS TO BEAR DIRECTLY ON SOUND LEDGE. BUILD UP AS REQ'D w/ LEAN CONCRETE TO ACHIEVE BOTTOM OF FOOTING ELEVATION.
- FOUNDATION WALL PENETRATIONS NOT SHOWN. COORD. w/ OTHER TRADES AND PROVIDE SLEEVES AND/OR CORES THROUGH WALLS AS REQUIRED.
- SEE S3.00 SERIES OF DRAWINGS FOR ALL TYPICAL CONCRETE SECTIONS AND DETAILS.
- *ETR* INDICATES EXISTING TO REMAIN STRUCTURE

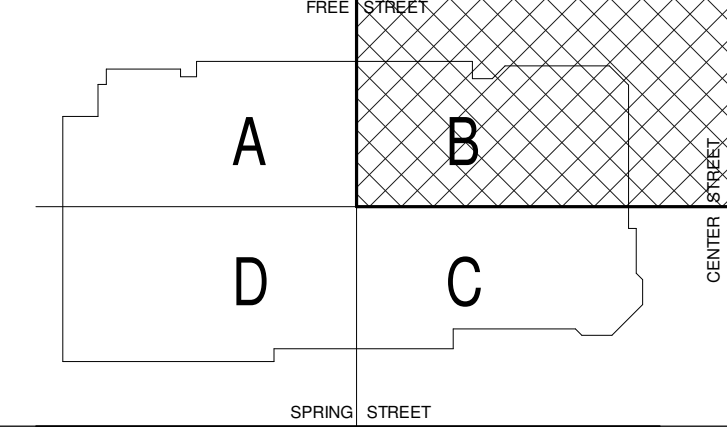


FOOTING SCHEDULE		
MARK	SIZE (THICKNESS U.N.O.)	REINFORCING
F4	4'-0" SQ. x 1'-6"	(5)-#5 B.E.W.
F5	5'-0" SQ. x 1'-6"	(6)-#6 B.E.W.

PIER SCHEDULE		
MARK	TOP ELEV. U.N.O.	REINFORCING
P24	SEE PLAN AND S3.10	24" SQ. (8)-#6 VERT. w/ OVERLAPPING #3 BOX & HAIRPIN TIES.

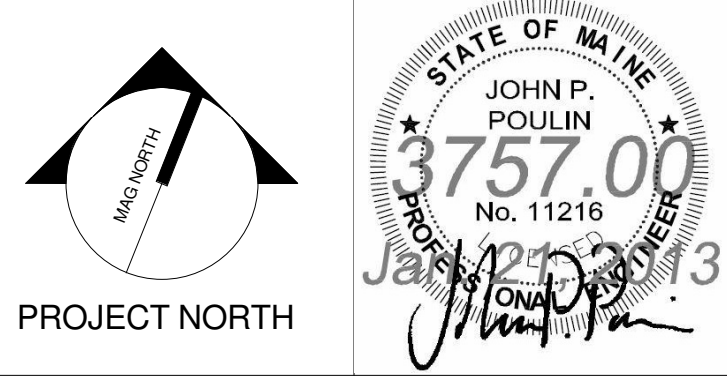
UNDERSIDE OF COLUMN BASE PLATE ELEVATION IS 0'-1" ABOVE TOP OF FOOTING OR PIER. STEEL FAB. TO COORDINATE PLAN AND SCHEDULE

SEE TYPICAL CONCRETE DETAILS FOR ARRANGEMENT OF VERTICAL PIER REINFORCING AND TIES. SEE SECTIONS FOR VERTICAL SPACING OF TIES AND DOWELS TO FOOTINGS.



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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
 EVENT LEVEL FOUNDATION PLAN - QUAD B

SHEET TITLE	SHEET No.
WBRC CAD FILE: C:\Users\jpp\Documents\075700 - CCCC Structure_dwg\palletier.rvt	3757.00
PROJECT No.	GRAPHIC SCALE
3757.00	0'
SCALE: 1/4" = 1'-0"	1"
PROJECT MANAGER: JRB	SHEET No.
DRAWN BY: ADG	32.12B
CHECKED BY: JPP	

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FOOTING SCHEDULE		
MARK	SIZE (THICKNESS U.N.O.)	REINFORCING
F4	4'-0" SQ. x 1'-0"	(5)-#5 B.E.W.
F5	5'-0" SQ. x 1'-0"	(6)-#6 B.E.W.

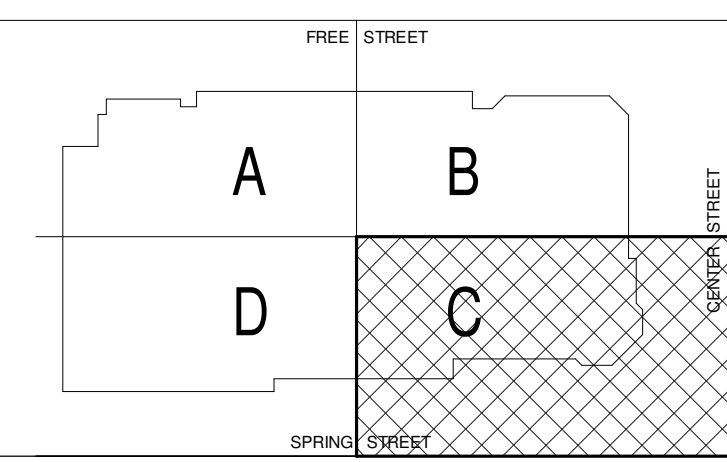
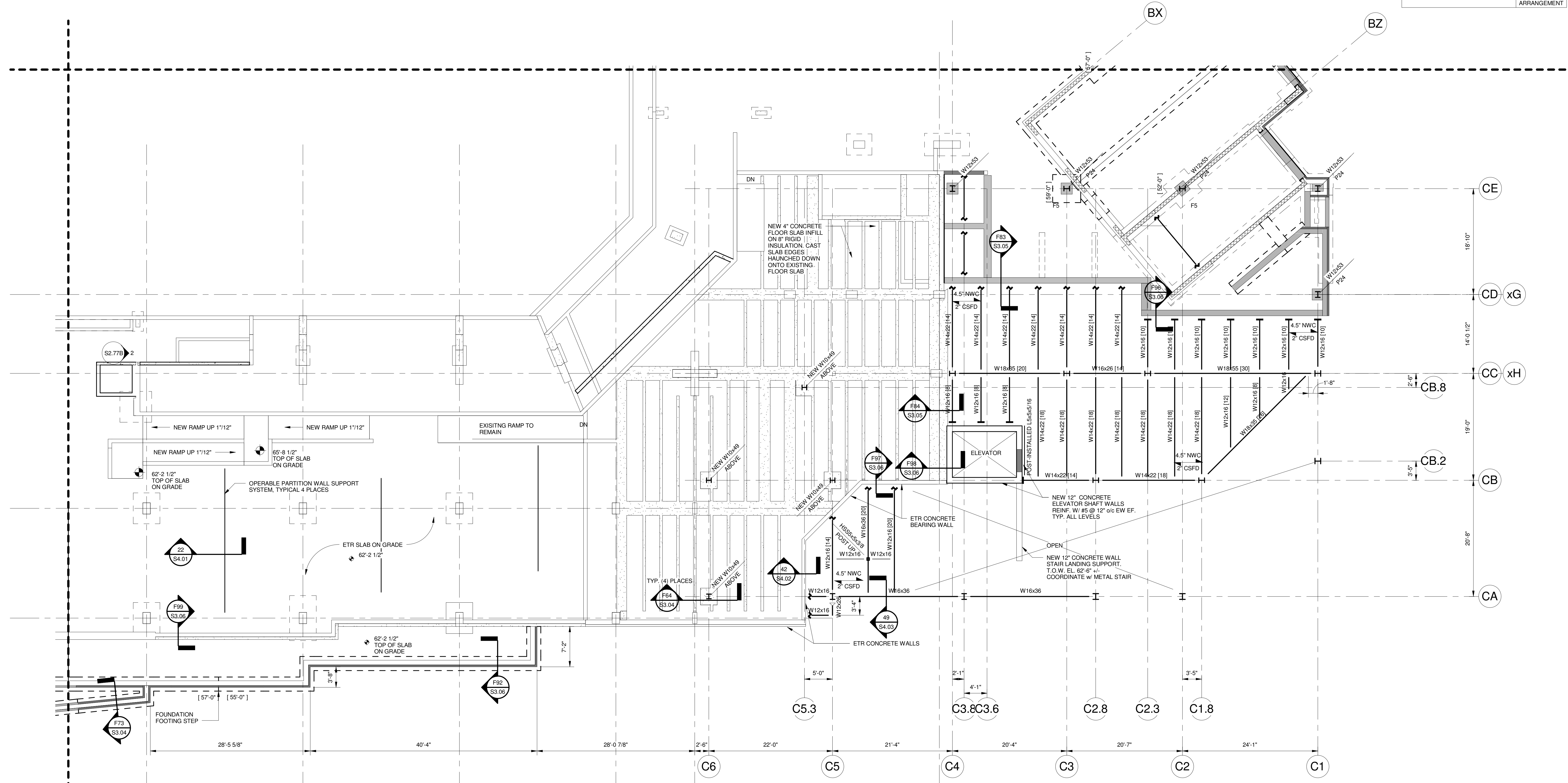
PIER SCHEDULE			
MARK	TOP ELEV. U.N.O.	SIZE	REINFORCING
P24	SEE PLAN	24" SQ.	(8)-#6 VERT. w/ OVERLAPPING #3 BOX & HAIRPIN TIES. SEE S.X.XX FOR ARRANGEMENT

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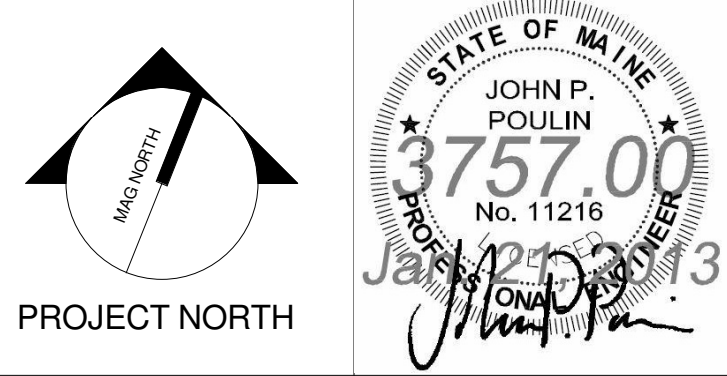
EVENT FLOOR FRAMING PLAN NOTES:

- TOP OF STEEL (T.O.S.) = UNDERSIDE OF DECK.
 - T.O.S. = 65'-8" U.N.O. BY (+/-)
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
 - | | | |
|---|------|---|
| T | LWC | T INDICATES THICKNESS OF LIGHT WEIGHT CONCRETE (LWC). |
| D | CSFD | D INDICATES DEPTH OF 18 GAGE COMPOSITE STEEL FLOOR DECK (CSFD). T + D = TOTAL SLAB THICKNESS. |
- ALL CONCRETE FOR SLAB ON DECK CONSTRUCTION IS 3,500 PSI CONCRETE.
- REINFORCE TOP OF SLABS w/ 6x6 W2.9xW2.9 WWF. REINFORCE PERIMETER AND EDGES OF SLAB AROUND OPENINGS w/ (2)-#5 CONTINUOUS. (1) EA. SIDE OF COLUMN. AND #3x3'-0" LG. HOOKED BARS @ 12" o.c.
- SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
 - FIELD & SHOP WELDED OUTRIGGER STUDS FIELD WELDED TO THE TOP OF STEEL FRAMING IN QUANTITIES NOTED ON PLAN AS FOLLOWS.
 - INDICATES EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
 - CANTILEVERED BEAM SPLICE CONNECTION. SEE TYP. DETAIL.
 - FIELD WELDED BEAM TO COLUMN CONNECTION PART OF THE LATERAL FORCE RESISTING SYSTEM. SEE TYPICAL STEEL DETAILS FOR INFORMATION.
 - STEEL TO EXISTING CONCRETE CONNECTION.
- PROVIDE 3/4" DIAMETER x 4" LONG HEADED SHEAR STUDS FIELD WELDED TO THE TOP OF STEEL FRAMING IN QUANTITIES NOTED ON PLAN AS FOLLOWS:
 - # NUMBER OF STUDS TO BE UNIFORMLY SPACED ALONG ENTIRE LENGTH OF BEAM
 - <#> NUMBER OF STUDS TO BE UNIFORMLY SPACED BETWEEN INTERMEDIATELY SUPPORTED MEMBERS (BEAMS AND/ OR POSTS)
- +ANGLE INDICATES CONTINUOUS L5x3-1/2x16 (LLH) SHOP WELDED TO BEAM FOR WALL ANCHORAGE. U.N.O. IN SECTIONS.
- +PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS. UNLESS NOTED OR DETAILED OTHERWISE.
- ALL SLAB AND ROOF DECK OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. C.C. SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DRAWINGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
- ETR INDICATES 'EXISTING TO REMAIN' STRUCTURE.



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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
EVENT LEVEL FLOOR FRAMING PLAN - QUAD C

SHEET TITLE	
WBRC CAD FILE: C:\Users\jpedler\Documents\375700 - CCCO Structure_dwd\peller.rvt	
PROJECT No. 3757.00	GRAPHIC SCALE: 1" = 1'-0"
SCALE: As indicated	
PROJECT MANAGER: JRB	SHEET No. S2.13B
DRAWN BY: ADG	
CHECKED BY: JPP	

1 EVENT LEVEL FLOOR FRAMING PLAN - QUAD C
1/8" = 1'-0"

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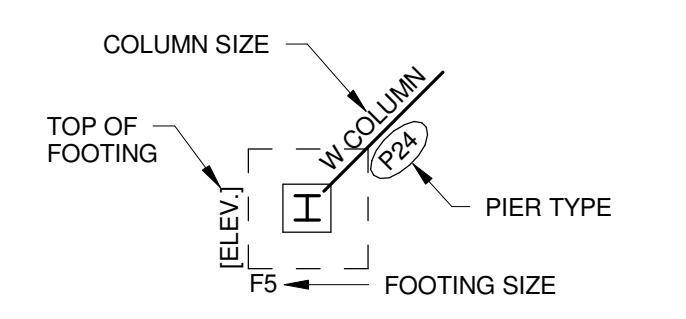
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FOUNDATION AND CONCOURSE SLAB PLAN NOTES:

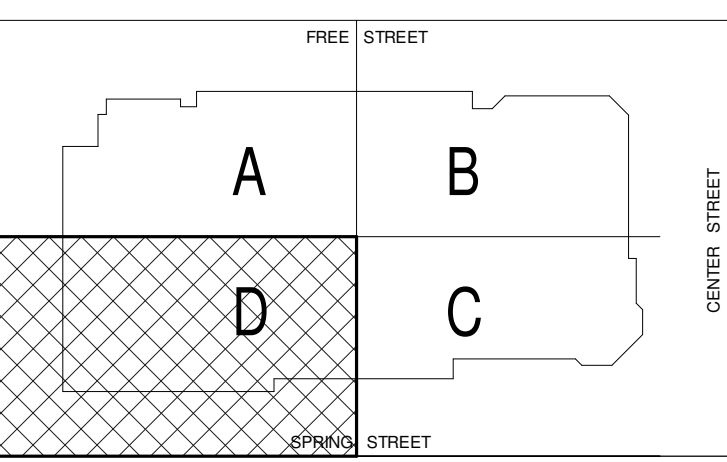
- TOP OF SLAB = 67'-2 1/2" U.N.O. AS SHOWN AS "XX-YY"
- SEE S2.24B FOR T.O. WALL ELEVATIONS, TYP.
- SLAB-ON-GRADE CONSTRUCTION IS 5" THICK (U.N.O.), CAST-IN-PLACE 3,500 PSI CONCRETE W/ #4@16" EACH WAY. SEE SECTIONS AND TYPICAL DETAILS FOR REINFORCEMENT AT SLAB EDGES.
- PROVIDE SAWCUT CONTROL JOINTS AT 12'-6" MAXIMUM EACH WAY BETWEEN COLUMN LINES AND DIAGONALLY OFF ALL INSIDE SLAB-ON-GRADE CORNERS WITHIN 12 HOURS OF PLACING SLAB.
- (ELEV.) INDICATES TOP OF FOOTING ELEVATION. COORDINATE REQUIRED TOP OF EXCAVATION WITH FOOTING THICKNESS PER SCHEDULE AND SECTIONS. NOTE: COLUMN/PIER FOOTINGS TO BEAR DIRECTLY ON SOUND LEDGE. BUILD UP AS REQ'D W/ LEAN CONCRETE TO ACHIEVE BOTTOM OF FOOTING ELEVATION.
- FOUNDATION WALL PENETRATIONS NOT SHOWN. COORD. W/ OTHER TRADES AND PROVIDE SLEEVES AND/OR CORES THROUGH WALLS AS REQUIRED.
- SEE S3.00 SERIES OF DRAWINGS FOR ALL TYPICAL CONCRETE SECTIONS AND DETAILS.
- "ETR" INDICATES EXISTING TO REMAIN STRUCTURE



FOOTING SCHEDULE		
MARK	SIZE (THICKNESS U.N.O.)	REINFORCING
F3	3'-0" SQ. x 1'-0"	(4)-#5 B.E.W.
F4	4'-0" SQ. x 1'-0"	(5)-#5 B.E.W.
F5	5'-0" SQ. x 1'-6"	(6)-#6 B.E.W.
F6	6'-0" SQ. x 1'-6"	(7)-#6 B.E.W.

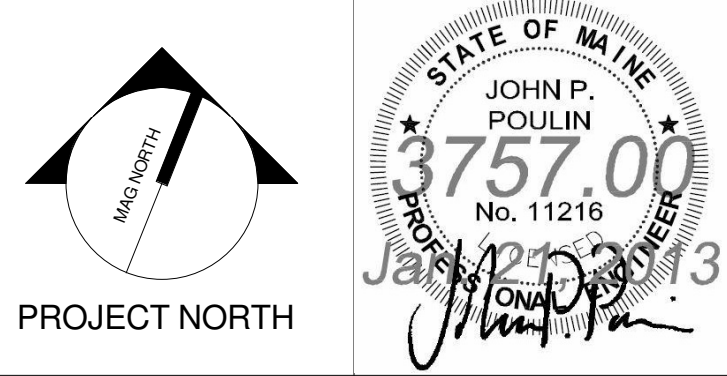
PIER SCHEDULE			
MARK	TOP ELEV. U.N.O.	SIZE	REINFORCING
P2416D.1	75'-6 3/4"		(6)-#6 VERT. w/ OVERLAPPING #3 BOX & HAIRPIN TIES. SEE TYP. DETAIL ON S3.00 FOR ARRANGEMENT
P2416D.2	73'-2"		
P2416D.3	72'-10"	24"x16"	
P2416D.4	71'-1"		
P2416D.5	67'-2 1/2"		

- UNDERSIDE OF COLUMN BASE PLATE ELEVATION IS 0'-1" ABOVE TOP OF FOOTING OR PIER. STEEL FAB. TO COORDINATE PLAN AND SCHEDULE
- SEE TYPICAL CONCRETE DETAILS FOR ARRANGEMENT OF VERTICAL PIER REINFORCING AND TIES. SEE SECTIONS FOR VERTICAL SPACING OF TIES AND DOWELS TO FOOTINGS.



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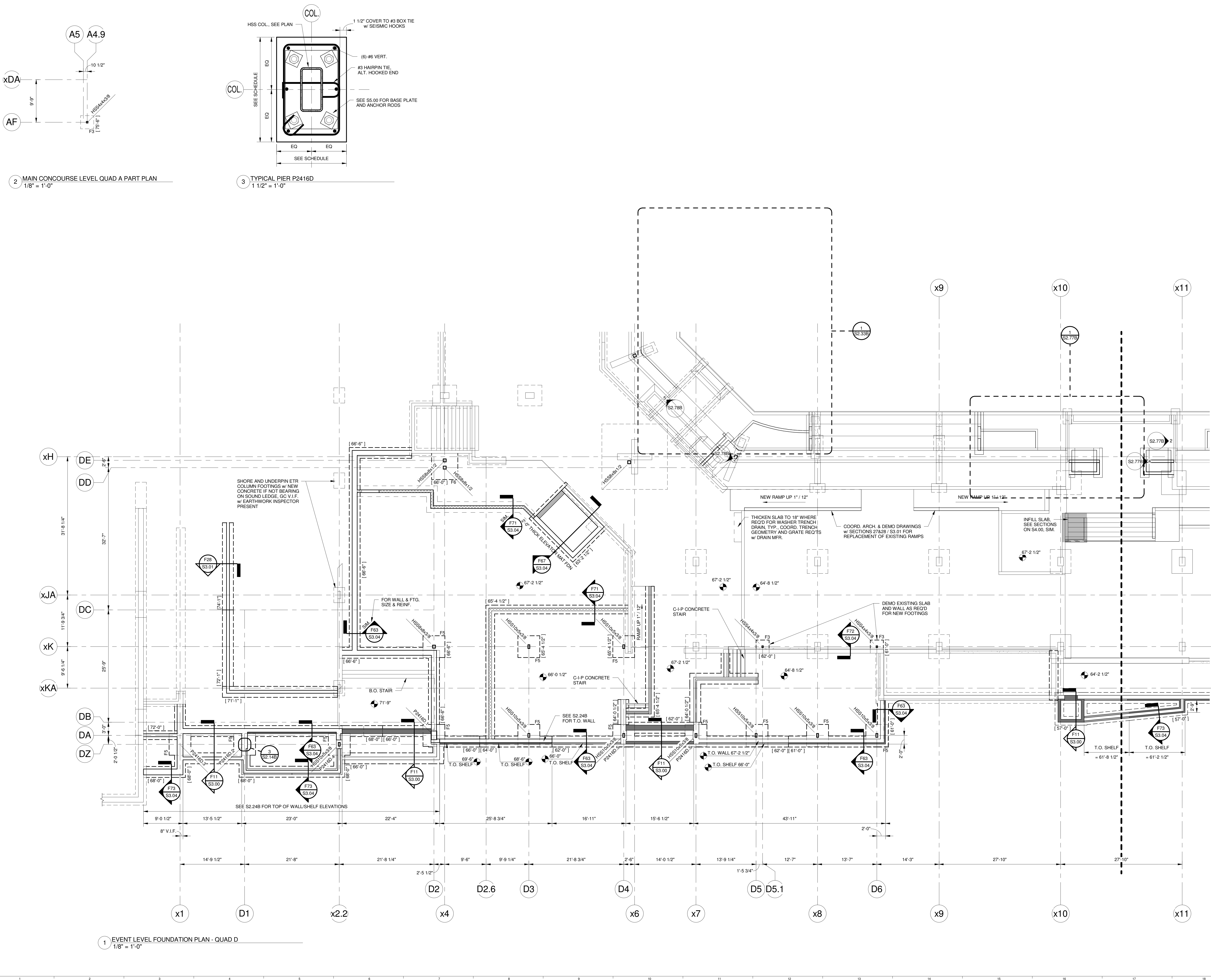


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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
EVENT LEVEL FOUNDATION PLAN - QUAD D

SHEET TITLE:	SHEET No.	S2.14B
WBRC CAD FILE: C:\Users\jpedler\Documents\375700 - CCCC Structure_dethlefs\jpp	PROJECT No.	3757.00
SCALE:	GRAPHIC SCALE:	1" = 1'-0"
PROJECT MANAGER:	DRAMAN BY:	JRB
CHECKED BY:	DESIGNED BY:	JPP



2 MAIN CONCOURSE LEVEL QUAD A PART PLAN
1/8" = 1'-0"

3 TYPICAL PIER P2416D
1 1/2" = 1'-0"

1 EVENT LEVEL FOUNDATION PLAN - QUAD D
1/8" = 1'-0"

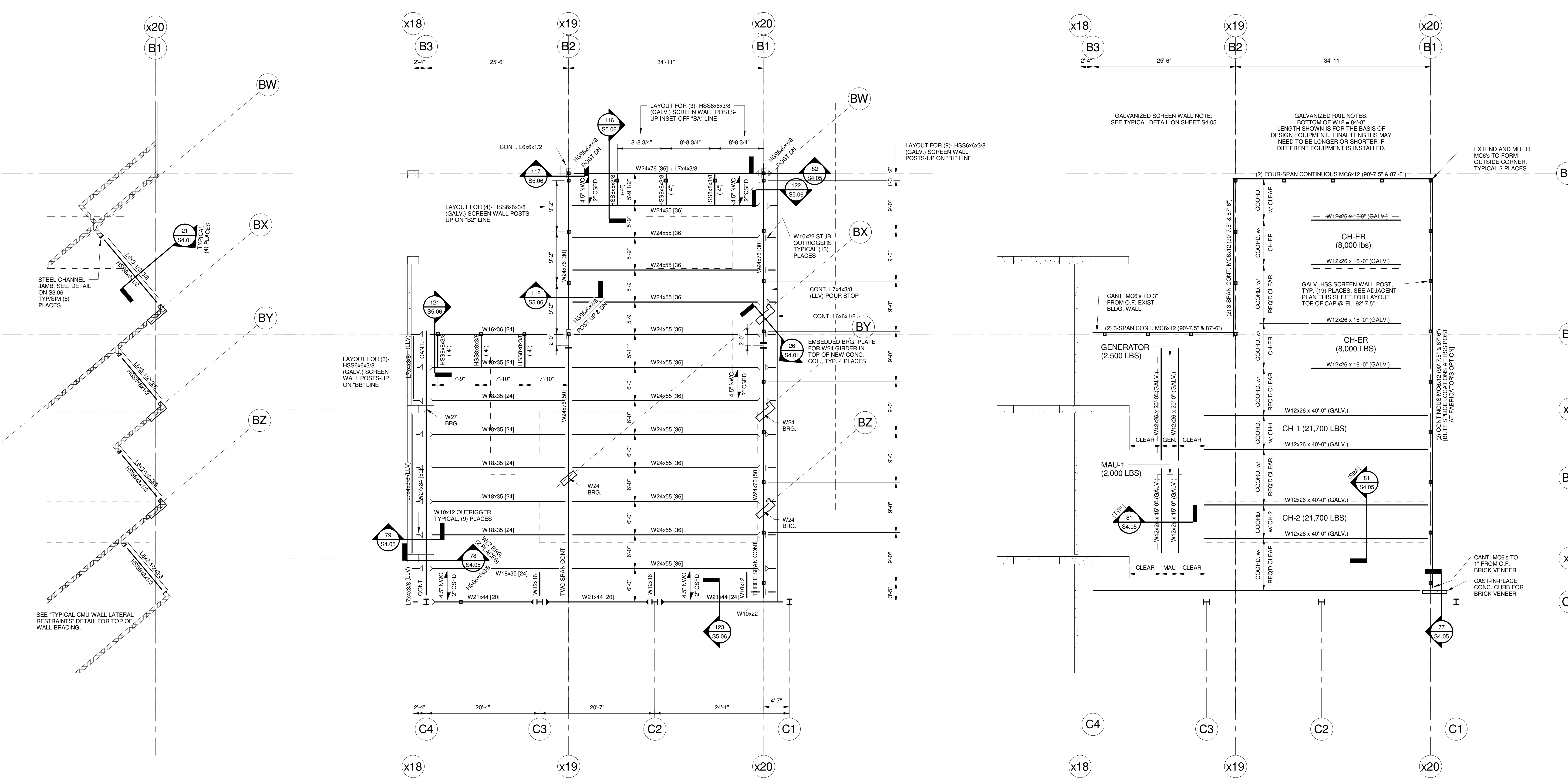
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LOADING DOCK ROOF FRAMING PLAN NOTES:

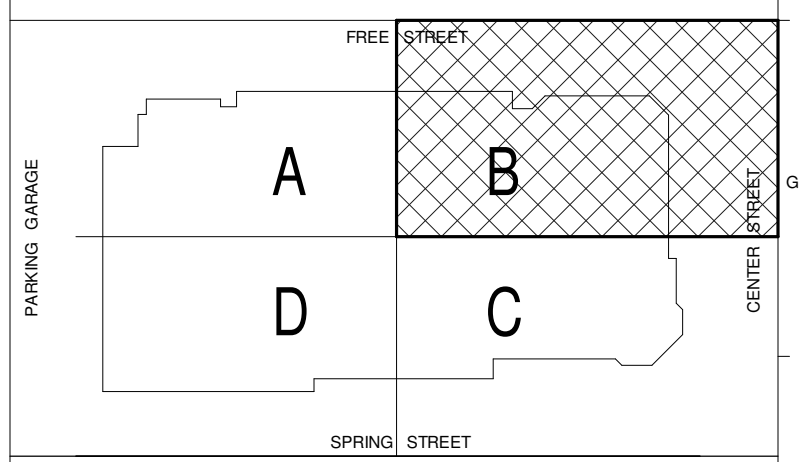
- TOP OF STEEL (T.O.S.) = UNDERSIDE OF DECK = 84'-1 1/2" U.N.O. BY (+/-)
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
 - "T" INDICATES THICKNESS OF NORMAL WEIGHT CONCRETE (NWC).
 - "D" INDICATES DEPTH OF 18 GAGE COMPOSITE STEEL FLOOR DECK (CSFD). T + D = TOTAL SLAB THICKNESS.
- ANGLE INDICATES CONTINUOUS ANGLE SHOP WELDED TO BEAM FOR WALL ANCHORAGE. U.N.O. IN SECTIONS
- PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS, UNLESS NOTED OR DETAILED OTHERWISE.
- ALL ROOF DECK OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. GC SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DRAWINGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
- ETR INDICATES "EXISTING TO REMAIN" STRUCTURE
- SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
 - 7.1 CANTILEVERED BEAM SPICE CONNECTION. SEE TYP. DETAIL
 - 7.2 FIELD WELDED BEAM TO COLUMN CONNECTION PART OF THE LATERAL FORCE RESISTING SYSTEM. SEE TYPICAL SHOP DETAILS FOR INFORMATION
 - 7.3 FIELD & SHOP WELDED OUTRIGGER CONNECTION TO RESIST GRAVITY FORCES ONLY. SEE SECTIONS.
- REINFORCE SLAB W/ CONT. #5@12" TOP (1" COVER) PARALLEL TO DECK SPAN (STAGGER LAP SPICES @ 6" MIN.) w/ #6 W2.9 WWF. REINFORCE PERIMETER OF SLAB AND AROUND OPENINGS W/ #4@12" CONTINUOUS AND #3@7" O.G. HOOKED BARS @ 12".



1. LOADING DOCK CMU WALL PLAN
1/8" = 1'-0"

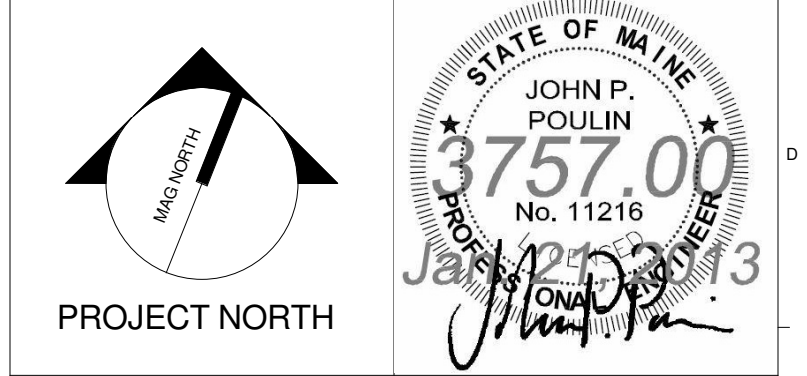
2. LOADING DOCK ROOF FRAMING PLAN
1/8" = 1'-0"

3. LOADING DOCK RTE RAIL & SCREEN WALL PLAN
1/8" = 1'-0"



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PROJECT: PORTLAND, MAINE
CUMBERLAND COUNTY CIVIC CENTER RENOVATION

LOADING DOCK ROOF FRAMING PLAN - QUAD B

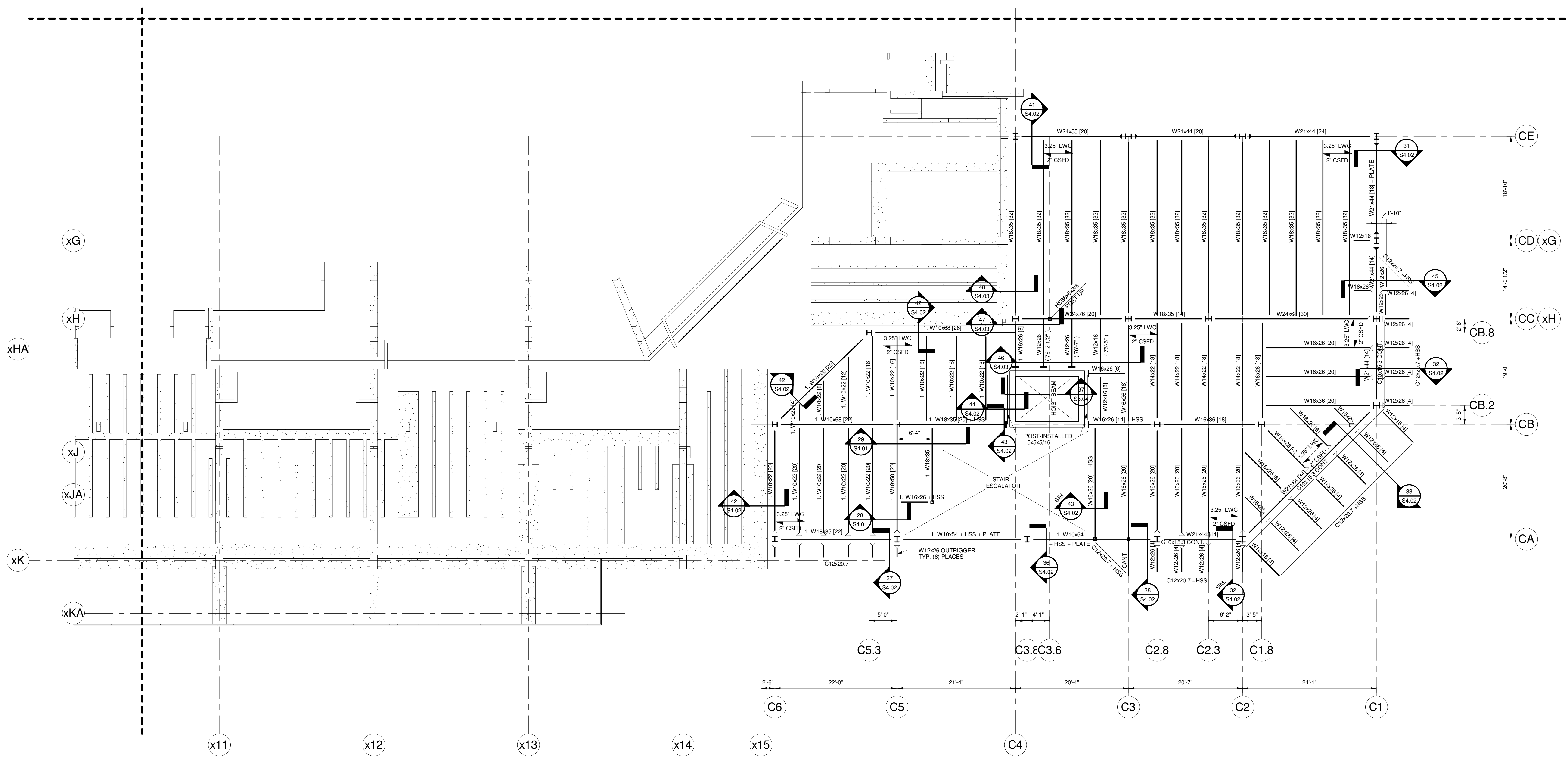
PROJECT No.	3757.00	GRAPHIC SCALE	1" = 1'-0"
SCALE	As indicated		
PROJECT MANAGER	JRB	SHEET No.	S2.22B
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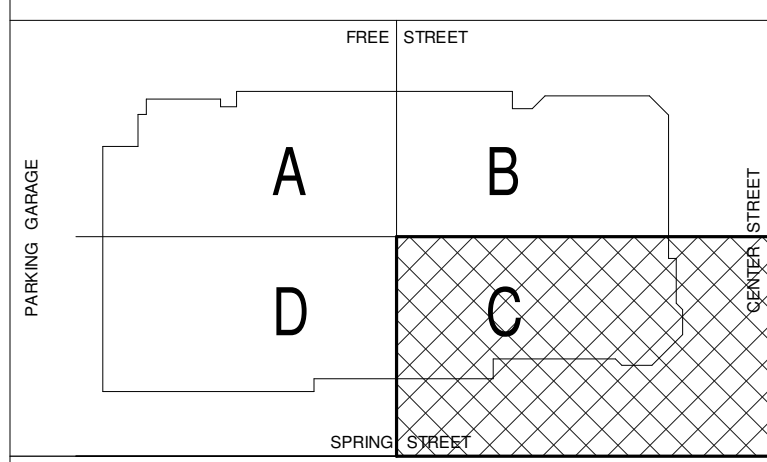
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- CONCOURSE FLOOR FRAMING PLAN NOTES:**
- TOP OF STEEL (T.O.S.) - UNDERSIDE OF DECK:
 - T.O.S. @ UPPER CONCOURSE = 77'-6 3/4" U.N.O. BY (+/-)
 - T.O.S. @ LOWER CONCOURSE (INDICATED BY 1. W BEAM) = 75'-6 3/4"
 - SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
 - "T" LWC "D" INDICATES THICKNESS OF LIGHT WEIGHT CONCRETE (LWC). "D" INDICATES DEPTH OF 18 GAGE COMPOSITE STEEL FLOOR DECK (CSFD). T + D = TOTAL SLAB THICKNESS.
 - ALL CONCRETE FOR SLAB ON DECK CONSTRUCTIONS 3,500 PSI CONCRETE.
 - REINFORCE TOP OF SLABS w/ 6#6 W2.9W2.9 WWF. REINFORCE PERIMETER AND EDGES OF SLAB AROUND OPENINGS w/ (2)-#5 CONTINUOUS. (1) EA. SIDE OF COLUMN AND #3#2 U.G. HOOKED BARS @ 12" C.
 - SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
 - FIELD & SHOP WELDED OUTRIGGER CONNECTION TO RESIST GRAVITY FORCES ONLY. SEE SECTIONS.
 - INDICATES EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
 - CANTILEVERED BEAM SPLICE CONNECTION. SEE TYP. DETAIL.
 - FIELD WELDED BEAM TO COLUMN CONNECTION PART OF THE LATERAL FORCE RESISTING SYSTEM. SEE TYPICAL STEEL DETAILS FOR INFORMATION.
 - STEEL TO EXISTING CONCRETE CONNECTION.
 - PROVIDE 3/4" DIAMETER x 4" LONG HEADED SHEAR STUDS FIELD WELDED TO THE TOP OF STEEL FRAMING IN QUANTITIES NOTED ON PLAN AS FOLLOWS:
 - [#] NUMBER OF STUDS TO BE UNIFORMLY SPACED ALONG ENTIRE LENGTH OF BEAM
 - $2\#$ NUMBER OF STUDS TO BE UNIFORMLY SPACED BETWEEN INTERMEDIATE SUPPORTED MEMBERS (BEAMS AND OR POSTS)
 - +ANGLE INDICATES CONTINUOUS L5-3-1/2x5-1/2x16 (LLH) SHOP WELDED TO BEAM FOR WALL ANCHORAGE. L.I.C.D. IN SECTIONS
 - +PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS, UNLESS NOTED OR DETAILED OTHERWISE.
 - ALL SLAB AND ROOF DECK OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. GC SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DRAWINGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
 - ETR INDICATES "EXISTING TO REMAIN" STRUCTURE.
 - SEE TYPICAL CMU WALL LATERAL RESTRAINTS DETAIL FOR TOP OF WALL BRACING, NOT SHOWN FOR CLARITY.

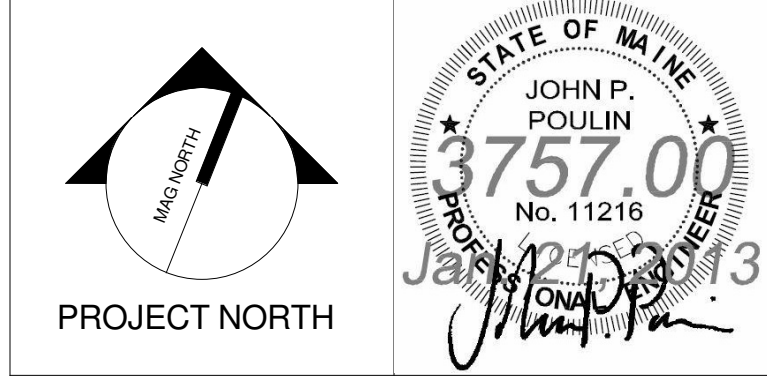


1 MAIN CONCOURSE LEVEL FLOOR FRAMING PLAN - QUAD C
 1/8" = 1'-0"



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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
 MAIN CONCOURSE LEVEL FLOOR FRAMING PLAN - QUAD C

SHEET TITLE	PROJECT No.	3757.00	GRAPHIC SCALE	1"
WBRC CAD FILE: C:\Users\jandp\Documents\375700 - CCCC Structure_dwd\pellerier.rvt	SCALE	As indicated	OR	
PROJECT MANAGER	JRB	SHEET No.	S2.23B	
DRAWN BY	ADG	CHECKED BY	JPP	

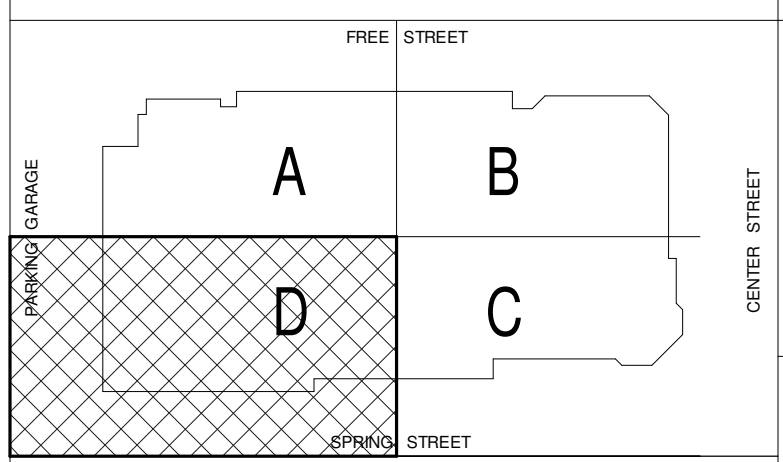
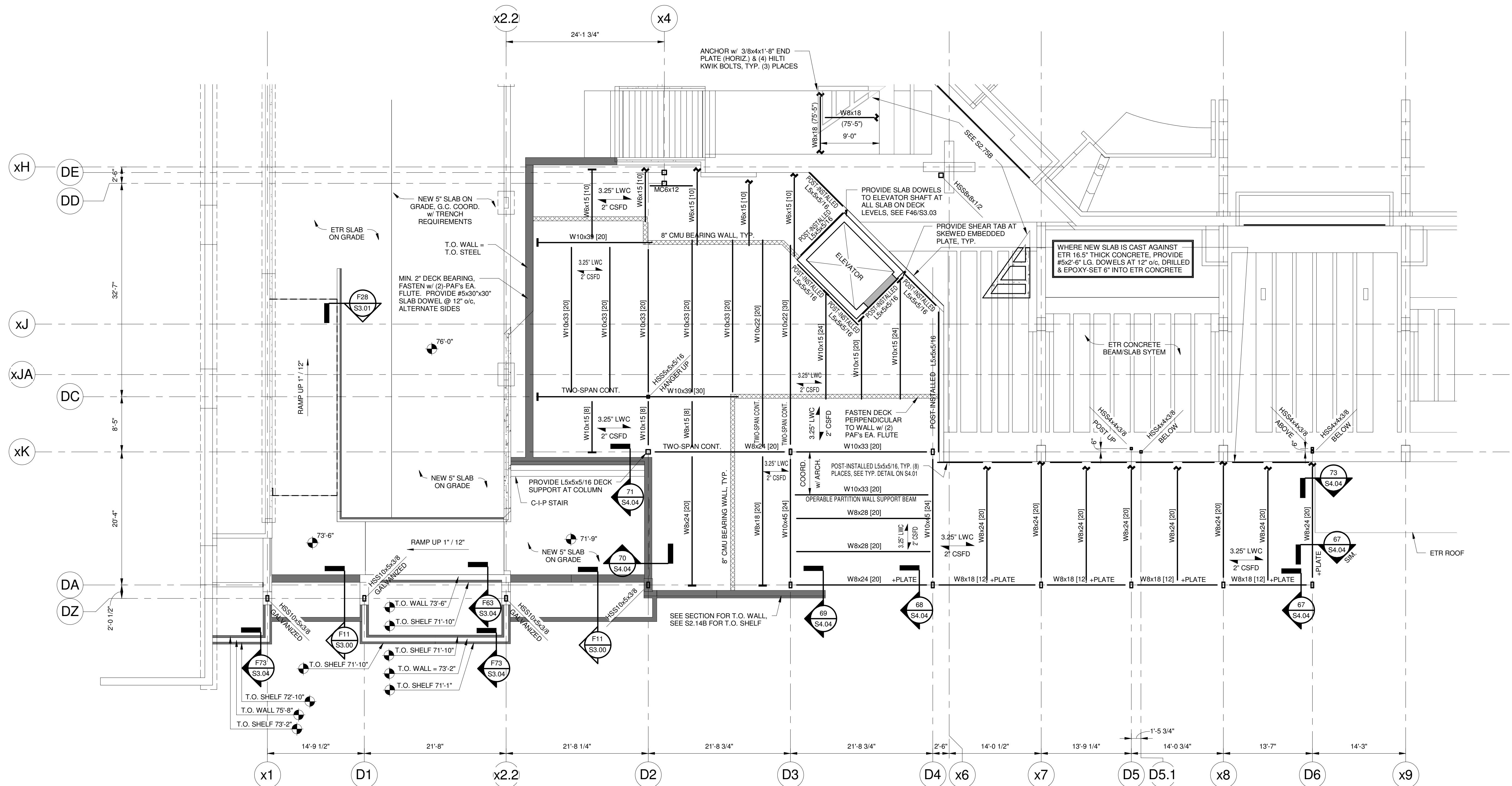
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MAIN CONCOURSE LEVEL FLOOR FRAMING PLAN NOTES:

- TOP OF STEEL = UNDERSIDE OF DECK = 75'-8 3/4" U.N.O. BY (+/-)
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
 * LWC * T* INDICATES THICKNESS OF LIGHT WEIGHT CONCRETE (LWC).
 * CSFD * D* INDICATES DEPTH OF R GAGE COMPOSITE STEEL FLOOR DECK (CSFD).
 T + D = TOTAL SLAB THICKNESS.
- ALL CONCRETE FOR SLAB ON DECK CONSTRUCTION IS 3,500 PSI CONCRETE.
- REINFORCE TOP OF SLABS w/ #6 W2.9xW2.9 WWF. REINFORCE PERIMETER AND EDGES OF SLAB AROUND OPENINGS w/ (2)-#5 CONTINUOUS, (1) EA. SIDE OF COLUMN, AND #3x3'-0" LG. HOOKED BARS @12" o.c.
- SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
 5.1 FIELD & SHOP WELDED OUTRIGGER CONNECTION TO RESIST GRAVITY FORCES ONLY. SEE SECTIONS.
 5.2 EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
 5.3 CANTILEVERED BEAM SPLICE CONNECTION. SEE TYP. DETAIL.
 5.4 STEEL TO EXISTING CONCRETE CONNECTION. SEE TYP. DETAIL.
- PROVIDE 3/4" DIAMETER, 4" LONG HEADED SHEAR STUDS FIELD WELDED TO THE TOP OF STEEL FRAMING IN QUANTITIES NOTED ON PLAN AS FOLLOWS:
 6.1 [#] NUMBER OF STUDS TO BE UNIFORMLY SPACED ALONG ENTIRE LENGTH OF BEAM
 6.2 <##> NUMBER OF STUDS TO BE UNIFORMLY SPACED BETWEEN INTERMEDIATELY SUPPORTED MEMBERS (BEAMS AND/OR POSTS)
- +PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS, UNLESS NOTED OR DETAILED OTHERWISE.
- ALL SLAB OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. GC SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DWGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
 9. *ETR* INDICATES EXISTING TO REMAIN STRUCTURE



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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

MAIN CONCOURSE LEVEL FLOOR FRAMING PLAN - QUAD D

PROJECT No.	3757.00	GRAPHIC SCALE	1" = 1'-0"
SCALE	1/8" = 1'-0"		
PROJECT MANAGER	JRB	SHEET No.	S2.24B
DRAWN BY	ADB		
CHECKED BY	JPP		

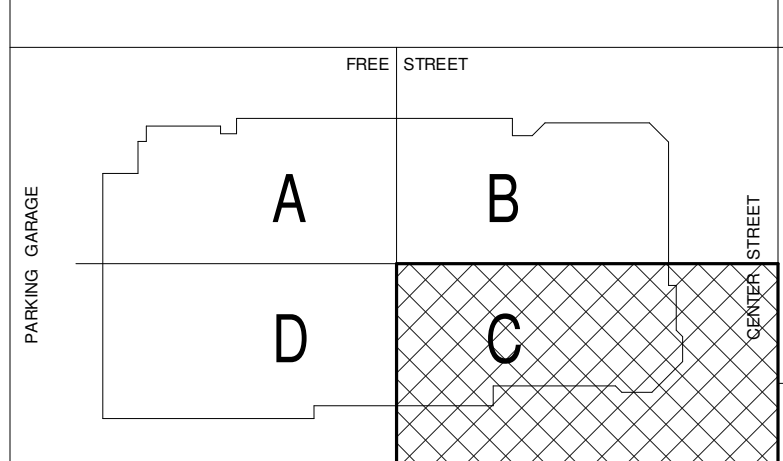
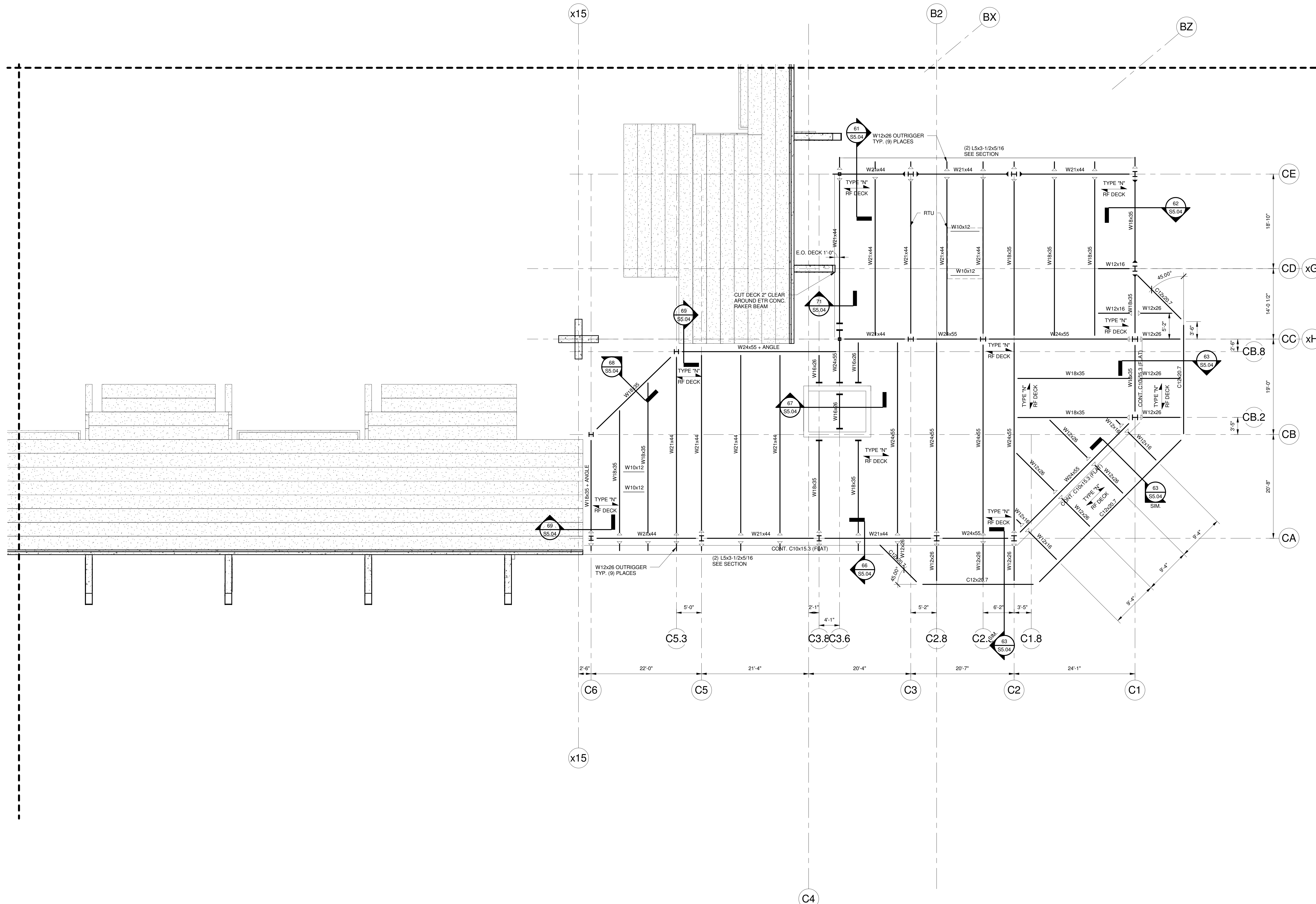
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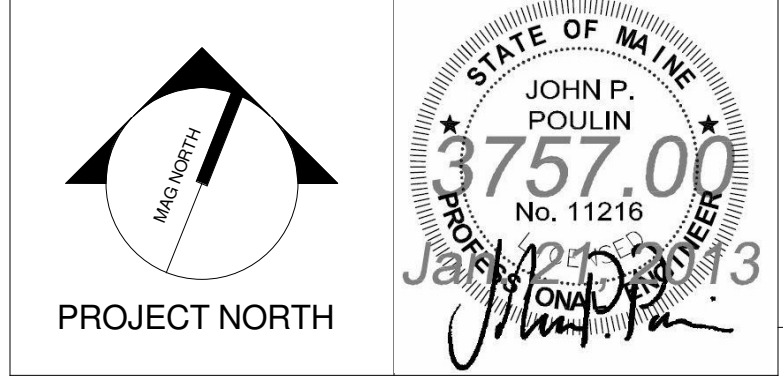
SOUTH EAST ENTRY ROOF FRAMING PLAN NOTES:

- TOP OF STEEL (T.O.S.) = UNDERSIDE OF DECK - 94'-6" U.N.O. BY (+/-)
- NOTE: THIS ELEVATION SUBJECT TO CHANGE PENDING ELEVATOR SELECTION AND CLEARANCE REQUIREMENTS
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
 - TYPE "N" 18 GAGE 3" DEEP (TYPE "N") METAL ROOF DECK
- +ANGLE INDICATES CONTINUOUS L5x3-1/2x5/16 (LLH) SHOP WELDED TO BEAM FOR WALL ANCHORAGE. U.N.O. IN SECTIONS
- +PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS, UNLESS NOTED OR DETAILED OTHERWISE.
- ALL ROOF DECK OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DRAWINGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
- ETR INDICATES 'EXISTING TO REMAIN' STRUCTURE
- SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
 - INDICATES EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
 - FIELD WELDED BEAM TO COLUMN CONNECTION PART OF THE LATERAL FORCE RESISTING SYSTEM. SEE TYPICAL STEEL DETAILS FOR INFORMATION.
 - FIELD & SHOP WELDED OUTRIGGER CONNECTION TO RESIST GRAVITY FORCES ONLY. SEE SECTIONS.
 - CANTILEVERED BEAM SPLICE CONNECTION. SEE TYP. DETAIL.



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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
 PROJECT: PORTLAND, MAINE
SOUTH EAST ENTRY ROOF FRAMING PLAN - QUAD C

PROJECT No.	3757.00	GRAPHIC SCALE	1" = 1'
SCALE	As indicated		
PROJECT MANAGER	JRB	SHEET No.	S2.33B
DRAWN BY	ADG		
CHECKED BY	JPP		

1 SOUTH EAST ENTRY ROOF FRAMING PLAN - QUAD C
 1/8" = 1'-0"

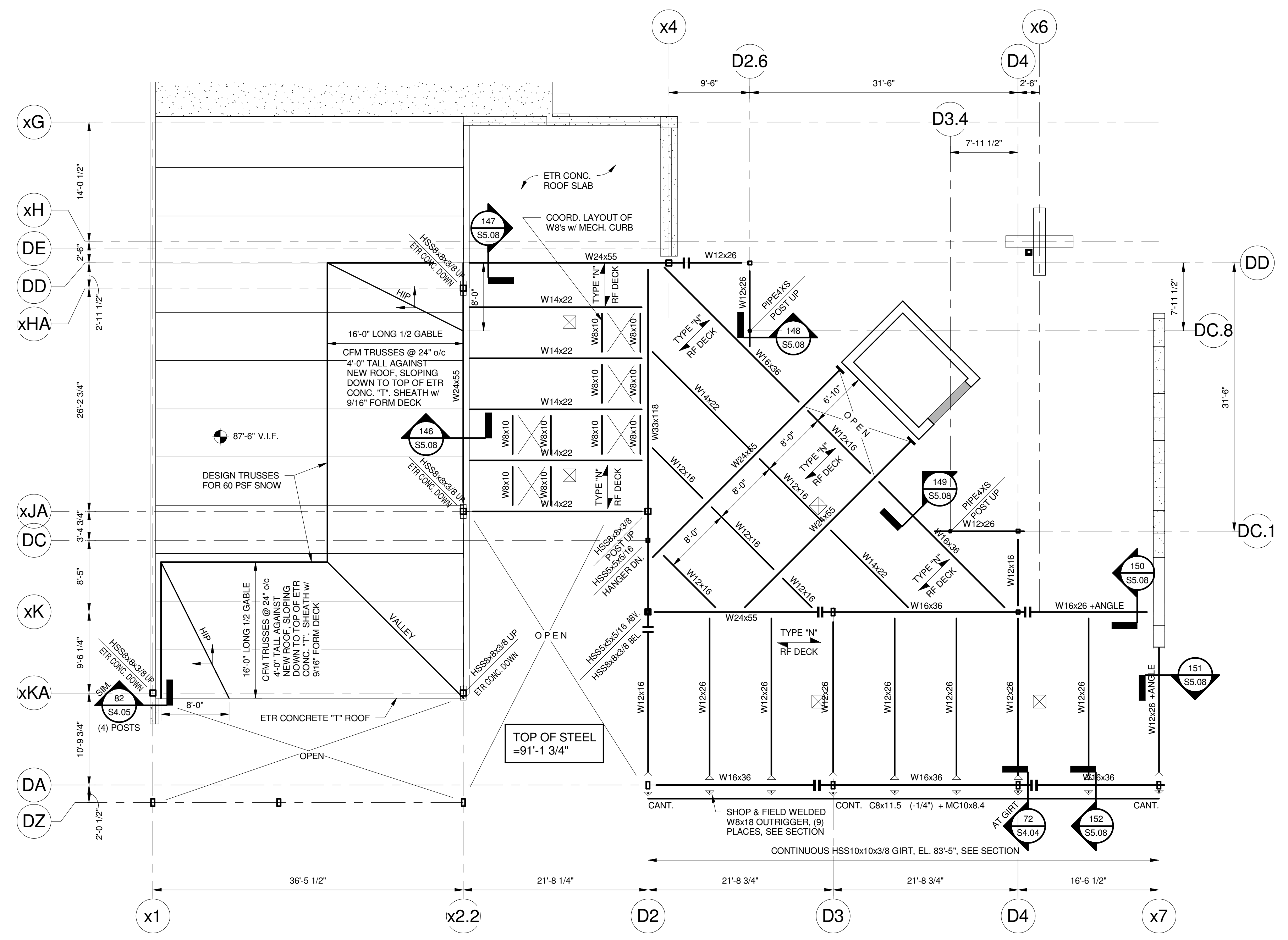
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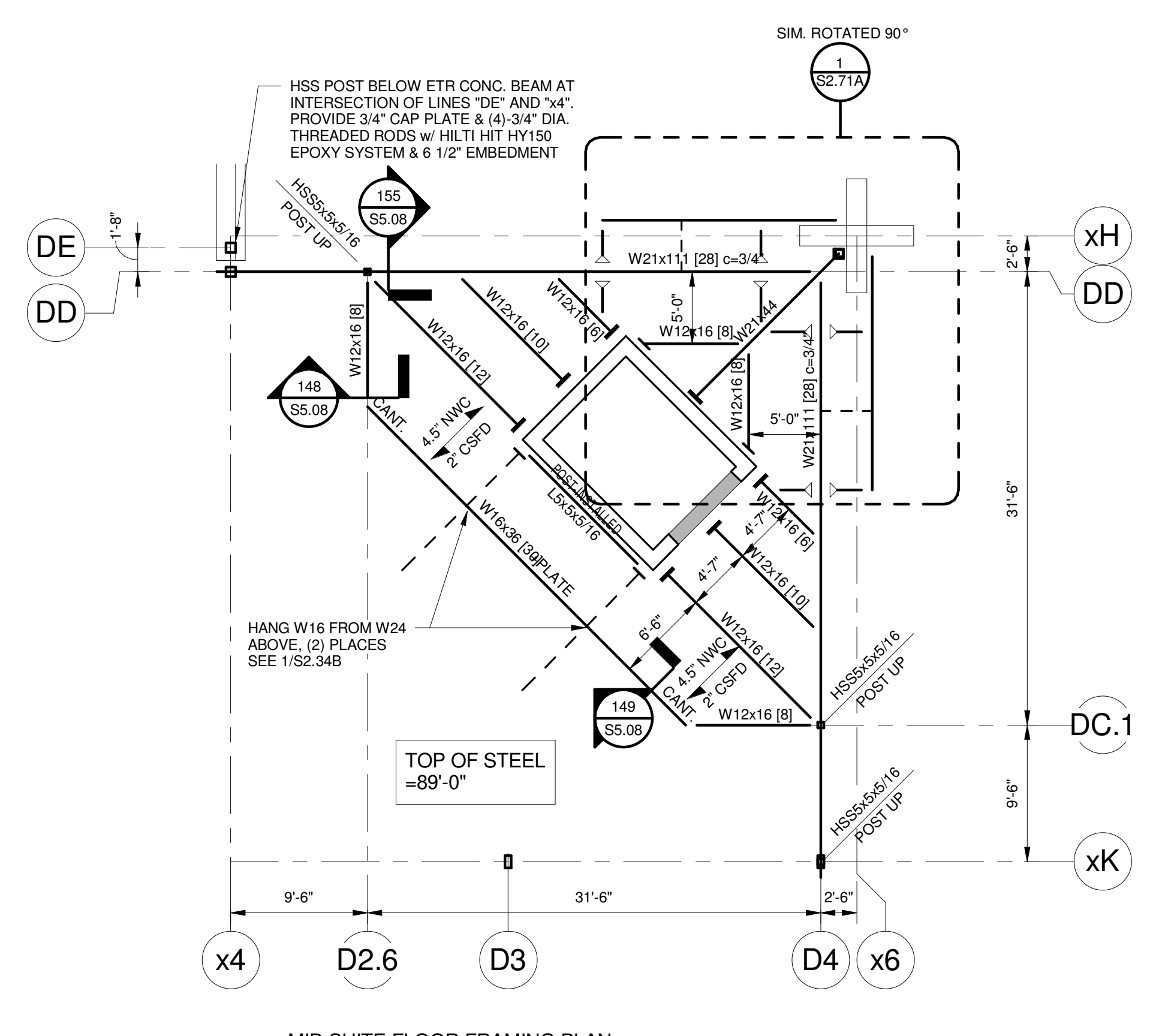
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MID SUITE LEVEL FLOOR AND ROOF FRAMING PLAN NOTES:

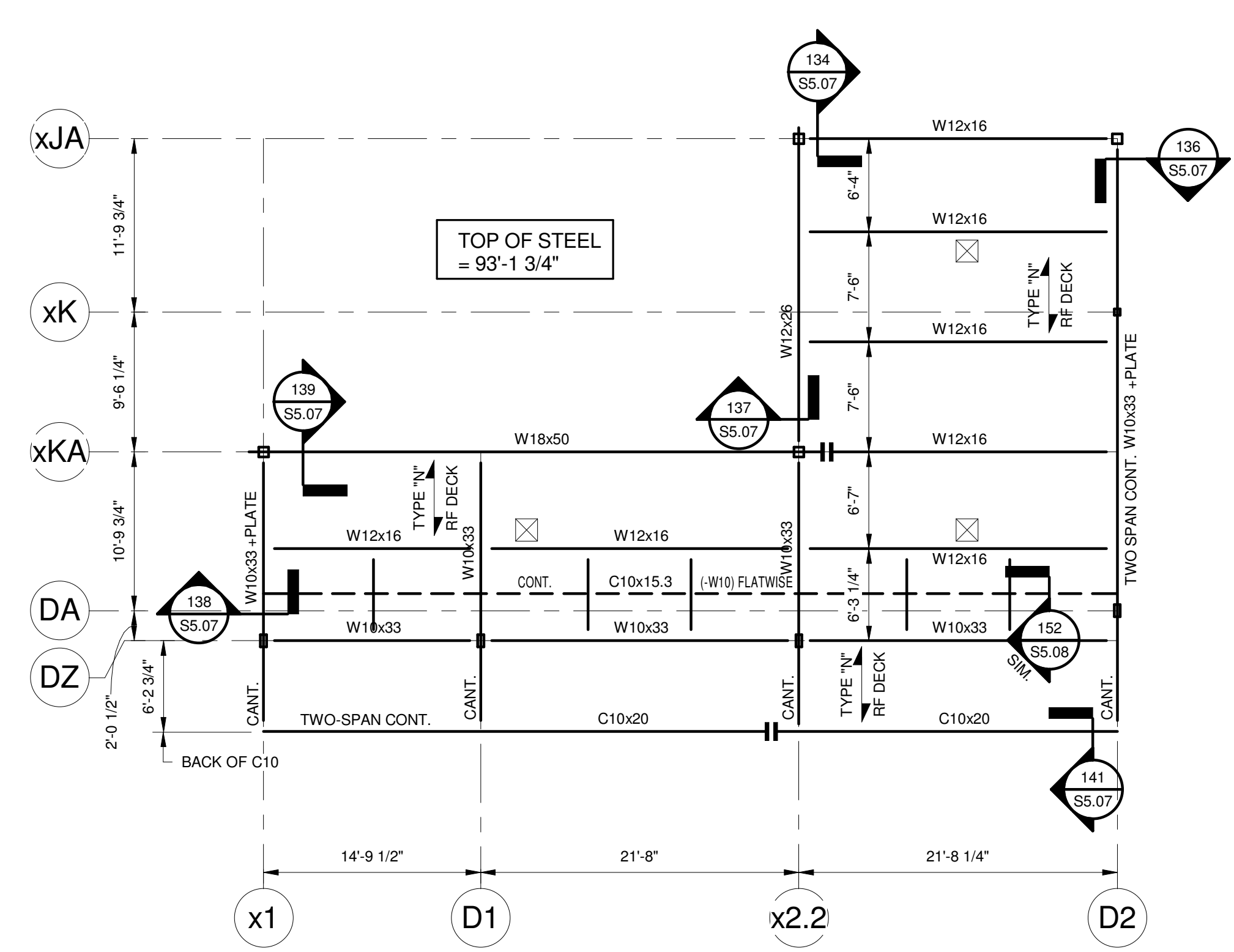
- SEE NOTE ON PLAN FOR TOP OF STEEL ELEVATION.
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
 - 1" NWC: INDICATES THICKNESS OF NORMAL WEIGHT CONCRETE (NWC).
 - "D" CSFD: INDICATES DEPTH OF 18 GAGE COMPOSITE STEEL FLOOR DECK (CSFD). T + D = TOTAL SLAB THICKNESS.
- TYPE "N": 18 GAGE 3" DEEP (TYPE "N") METAL ROOF DECK
- ALL CONCRETE FOR SLAB ON DECK CONSTRUCTION IS 3,500 PSI CONCRETE.
- REINFORCE TOP OF SLABS w/ 6#6 W2.9W2.9 WWF. REINFORCE PERIMETER AND EDGES OF SLAB AROUND OPENINGS w/ (2) #5 CONTINUOUS. (1) EA. SIDE OF COLUMN AND #3x3'-0" LG. HOOKED BARS @ 12" o.c. AT ELEVATOR SHAFT. REPLACE HOOKED BARS w/ #5x2'-6"x2'-6" DOWEL BAR SPLICER AT 12" o.c. SEE F46 / S3.03
- SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
 - 5.1 FIELD & SHOP WELDED OUTRIGGER FORCES ONLY. SEE SECTIONS.
 - 5.2 INDICATES EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
 - 5.3 CANTILEVERED BEAM SPLICE CONNECTION. SEE TYP. DETAIL.
 - 5.4 STEEL TO EXISTING CONCRETE CONNECTION.
- PROVIDE 3/4" DIAMETER, 4" LONG HEADED SHEAR STUDS FIELD WELDED TO THE TOP OF STEEL FRAMING IN QUANTITIES NOTED ON PLAN AS FOLLOWS:
 - 6.1 [#] NUMBER OF STUDS TO BE UNIFORMLY SPACED ALONG ENTIRE LENGTH OF BEAM
 - 6.2 <#># NUMBER OF STUDS TO BE UNIFORMLY SPACED BETWEEN INTERMEDIATE SUPPORTED MEMBERS (BEAMS AND/OR POSTS)
- +ANGLE INDICATES CONTINUOUS L5x3-1/2x5/16 (LLH) SHOP WELDED TO BEAM FOR WALL ANCHORAGE. UNCL. IN SECTIONS
- +PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS, UNLESS NOTED OR DETAILED OTHERWISE.
- ALL SLAB AND ROOF DECK OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. GC SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DWGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
- "ETR" INDICATES EXISTING TO REMAIN STRUCTURE



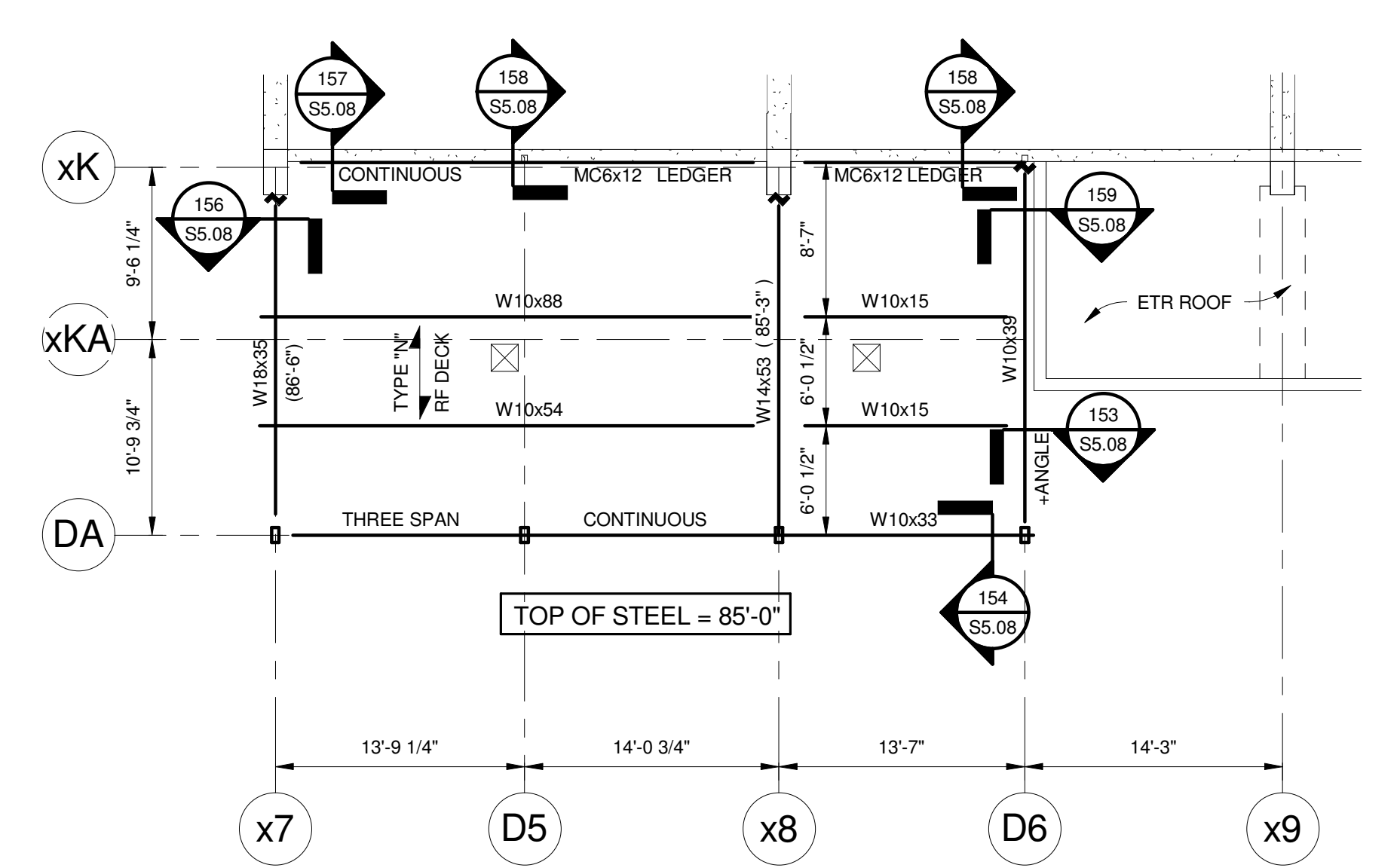
1 CLUB ROOF FRAMING PLAN
1/8" = 1'-0"



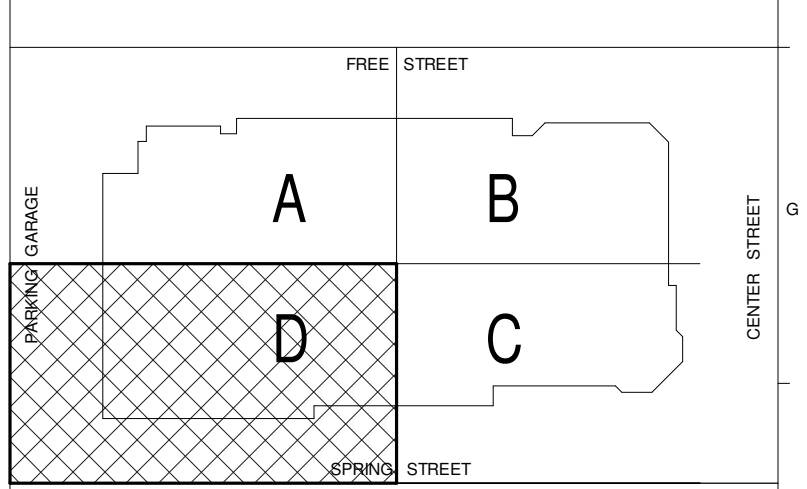
3 MID SUITE FLOOR FRAMING PLAN
1/8" = 1'-0"



2 QUAD D ENTRY ROOF FRAMING PLAN
1/8" = 1'-0"



4 CLUB PREP ROOF FRAMING PLAN
1/8" = 1'-0"



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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
 MID SUITE LEVEL FLOOR AND ROOF FRAMING PLANS - QUAD D

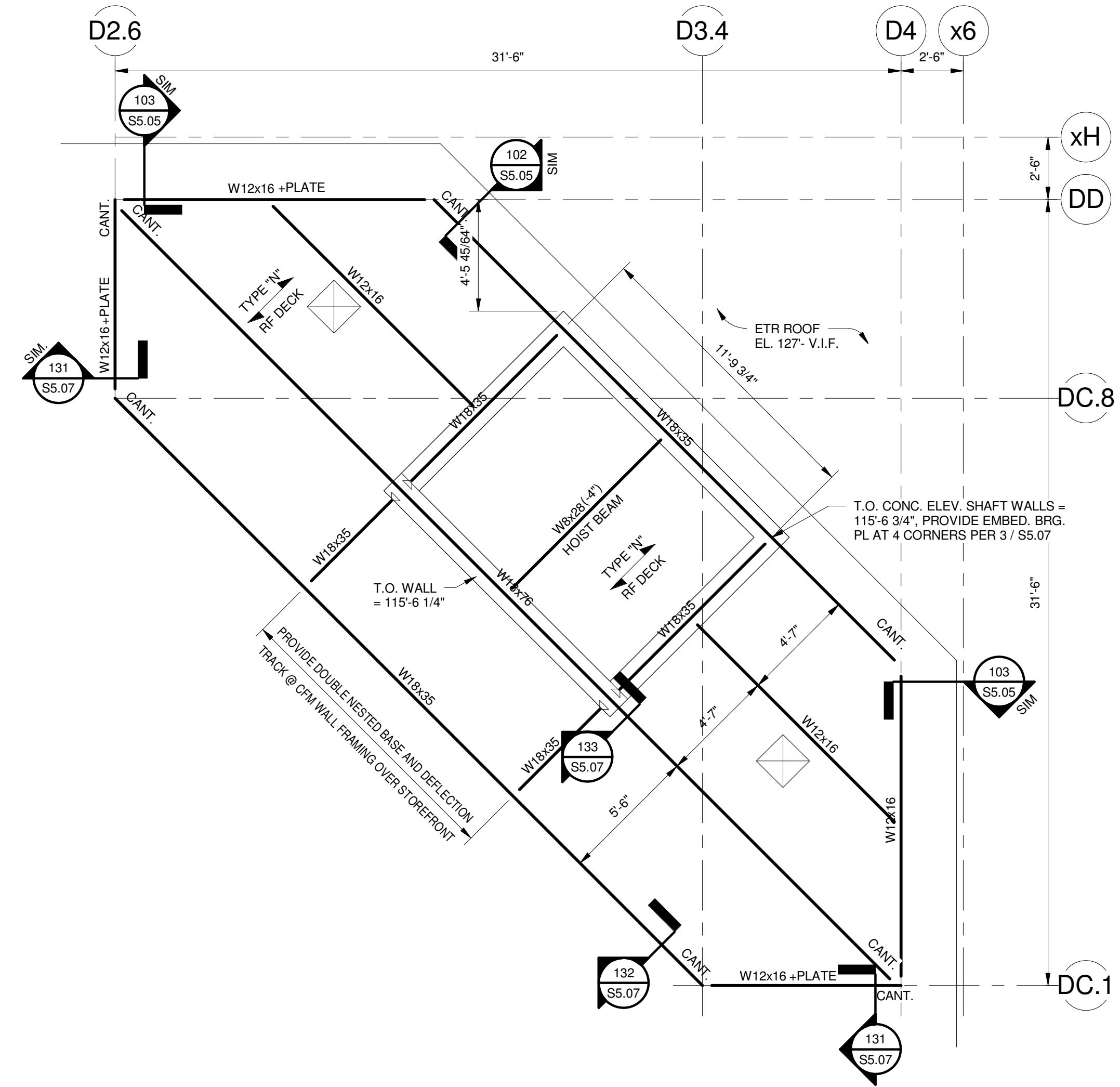
PROJECT No.	3757.00	GRAPHIC SCALE	1" = 1'-0"
SCALE	1/8" = 1'-0"		
PROJECT MANAGER	JRB	SHEET No.	S2.34B
DRAWN BY	ADB		
CHECKED BY	JPP		

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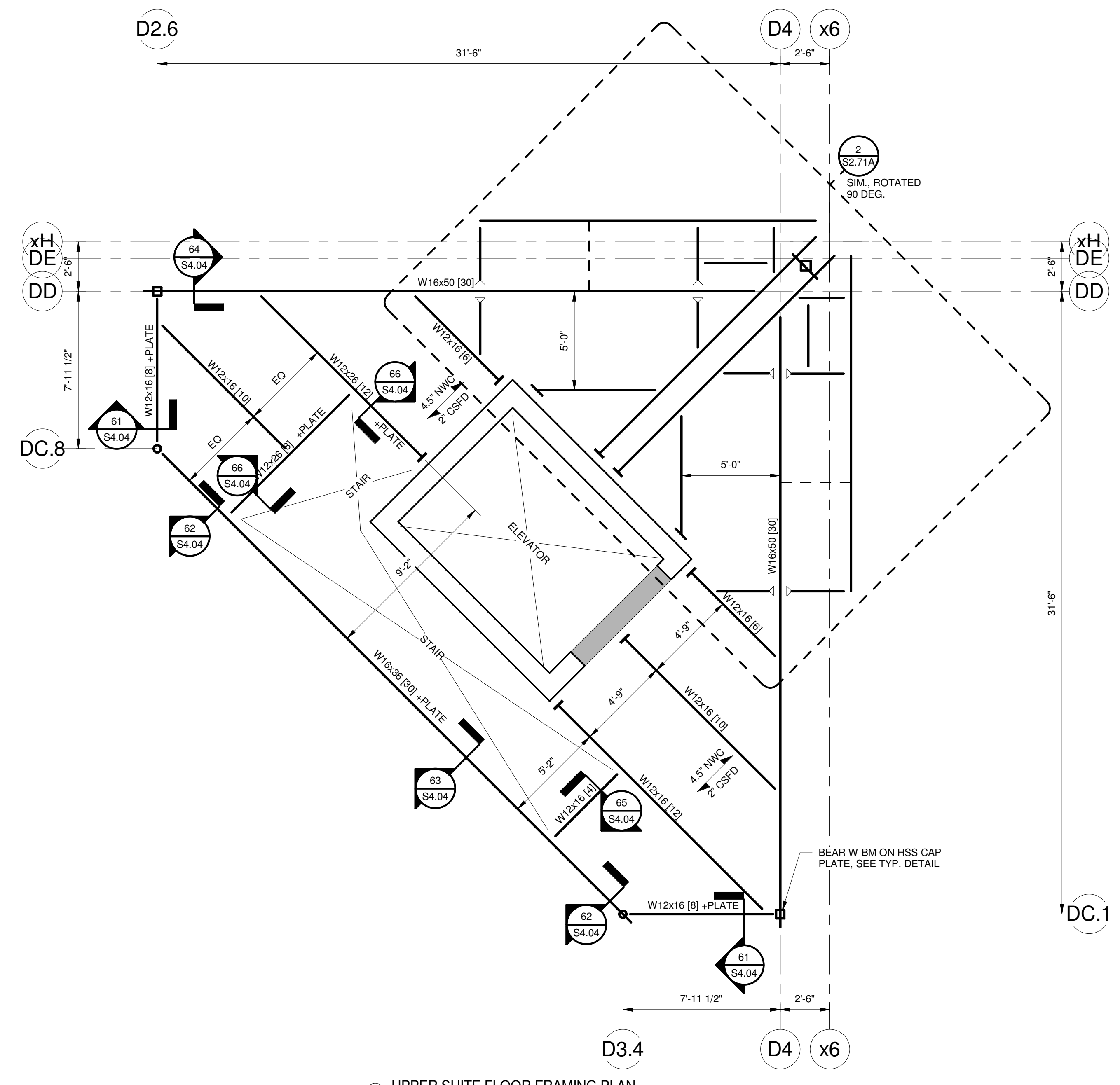
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UPPER SUITE FLOOR FRAMING PLAN NOTES:

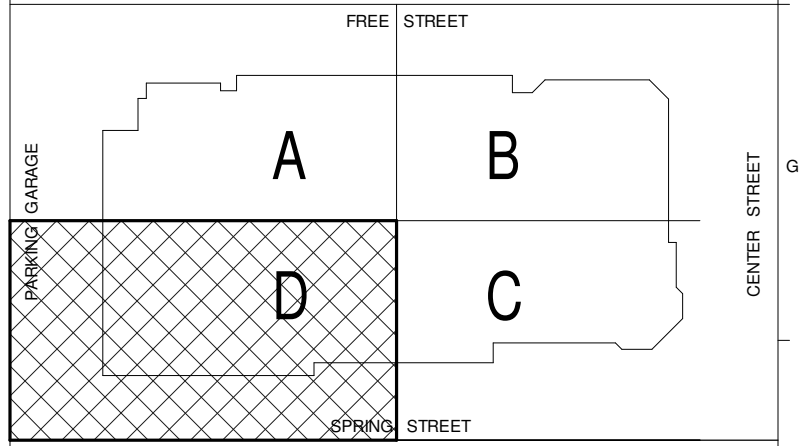
- TOP OF STEEL (T.O.S.) = UNDERSIDE OF DECK
 - T.O.S. @ UPPER SUITE = 102'-0" U.N.O. BY (+/-)
 - T.O.S. @ UPPER SUITE ROOF = 117'-0" U.N.O. BY (+/-) UNLESS NOTED OTHERWISE BY (+/-)
- SPAN DIRECTION OF METAL DECK CONSTRUCTION INDICATED AS FOLLOWS:
 - T = INDICATES THICKNESS OF NORMAL WEIGHT CONCRETE (NWC), CSFD = INDICATES DEPTH OF 18 GAGE COMPOSITE STEEL FLOOR DECK (CSFD). T + D = TOTAL SLAB THICKNESS.
 - TYPE "N" 18 GAGE 3" DEEP (TYPE "N") METAL ROOF DECK
- ALL CONCRETE FOR SLAB ON DECK CONSTRUCTION IS 3,500 PSI CONCRETE.
- REINFORCE TOP OF SLABS w/ #6 W2.9xW2.9 WWF. REINFORCE PERIMETER AND EDGES OF SLAB AROUND OPENINGS w/ #4 CONTINUOUS, 11 EA. SIDE OF COLUMN AND #3x3'-0" LG. HOOKED BARS @ 12" o.c. AT ELEVATOR SHAFT. REPLACE HOOKED BARS w/ #5x3'-0" LG. DOWEL BAR SPICERS AT 12" o.c. SEE F46 / S3.03
- SPECIAL CONNECTIONS INDICATED AS FOLLOWS:
 - FIELD & SHOP WELDED OUTRIGGER CONNECTION TO RESIST GRAVITY FORCES ONLY. SEE SECTIONS.
 - INDICATES EMBEDDED STEEL PLATE CONNECTION TO CAST-IN-PLACE CONCRETE. SEE TYPICAL DETAIL.
 - STEEL TO EXISTING CONCRETE CONNECTION
- PROVIDE 3/4" DIAMETER x 4" LONG HEADED SHEAR STUDS FIELD WELDED TO THE TOP OF STEEL FRAMING IN QUANTITIES NOTED ON PLAN AS FOLLOWS:
 - # [] NUMBER OF STUDS TO BE UNIFORMLY SPACED ALONG ENTIRE LENGTH OF BEAM
 - # [] NUMBER OF STUDS TO BE UNIFORMLY SPACED BETWEEN INTERMEDIATELY SUPPORTED MEMBERS (BEAMS AND/OR POSTS)
- +ANGLE INDICATES CONTINUOUS L5x3-1/2x5/16 (LH) SHOP WELDED TO BEAM FOR WALL ANCHORAGE. U.N.O. IN SECTIONS
- +PLATE INDICATES BENT OR FLAT PLATE SHOP WELDED TO BEAM FOR ROOF EDGES. EXTEND PLATE TO FORM ALL OUTSIDE AND INSIDE CORNERS. UNLESS NOTED OR DETAILED OTHERWISE.
- ALL SLAB AND ROOF DECK OPENINGS MAY NOT BE SHOWN. REINFORCEMENT IS REQUIRED AT ALL METAL DECK PENETRATIONS AND MAY BE FITTED IN THE FIELD PER TYPICAL DETAILS. GC SHALL COORDINATE ALL PENETRATIONS WITH STRUCTURAL STEEL AND METAL DECK SHOP DRAWINGS FOR APPROVAL. CONTRACTOR SHALL REFER TO ARCH. AND MEP DRAWINGS FOR SCOPE (INCL. SIZES, LOCATIONS, QUANTITIES) AND INCLUDE THIS WORK IN THEIR BASE BID.
- ETR INDICATES "EXISTING TO REMAIN" STRUCTURE.



2 UPPER SUITE ROOF FRAMING PLAN - QUAD D
 1/4" = 1'-0"

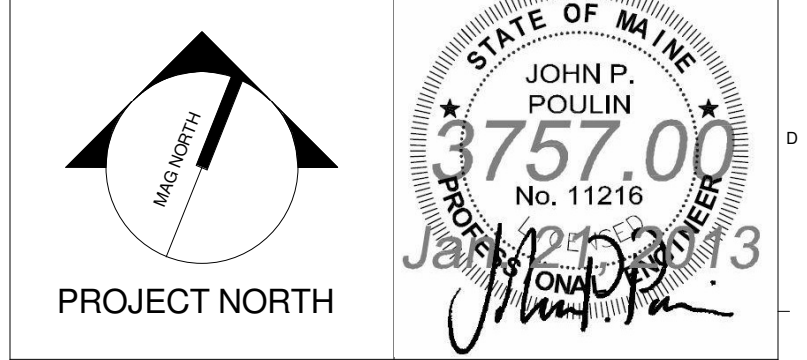


1 UPPER SUITE FLOOR FRAMING PLAN
 1/4" = 1'-0"



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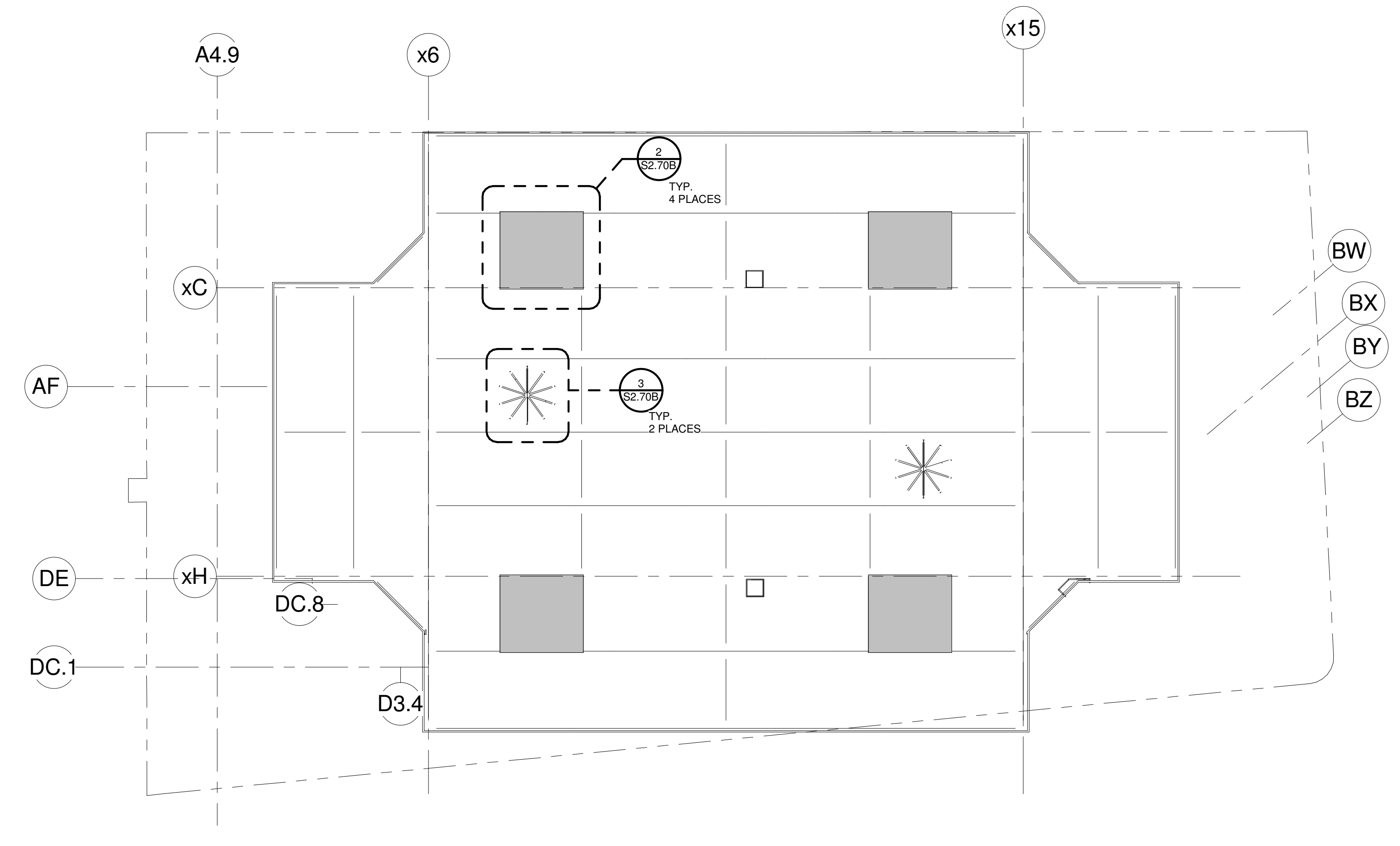
CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
 UPPER SUITE LEVEL FLOOR AND ROOF FRAMING PLANS - QUAD D

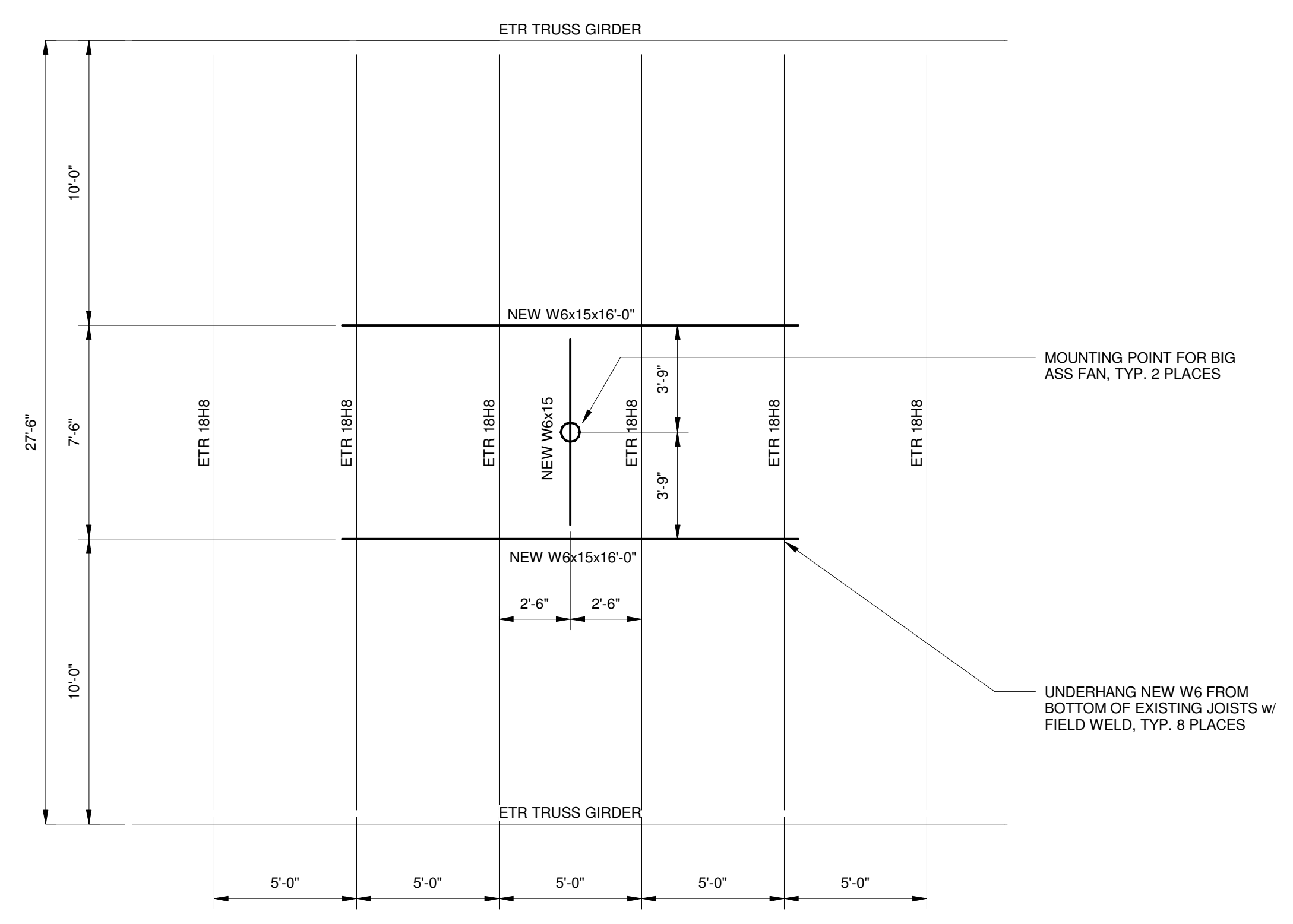
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PROJECT No. 3757.00	GRAPHIC SCALE: 1" = 1'-0"
SCALE: 1/4" = 1'-0"	
PROJECT MANAGER: JRB	SHEET No. S2.44B
DRAWN BY: ADB	
CHECKED BY: JPP	

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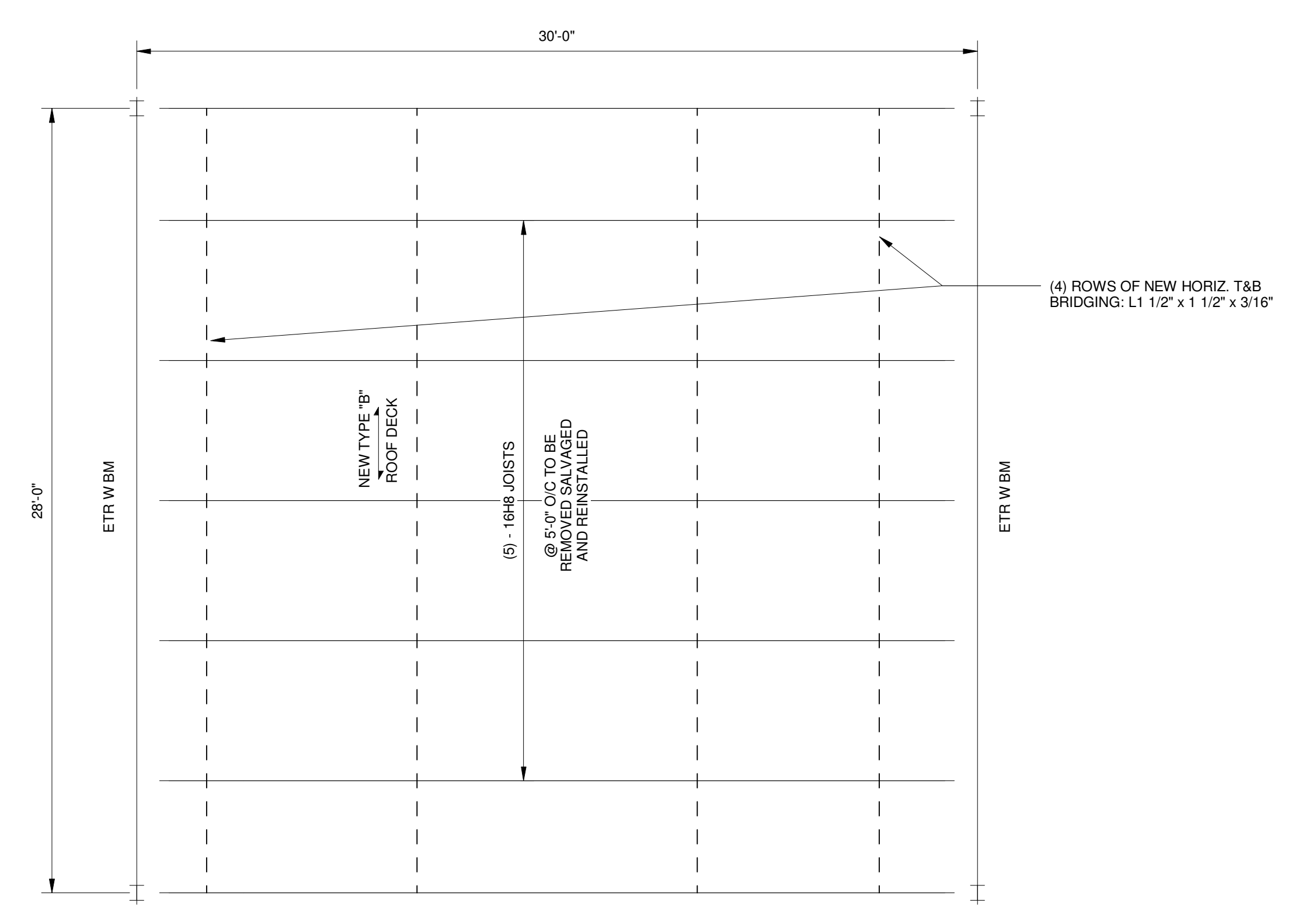
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① OVERALL ROOF PLAN
1/32" = 1'-0"

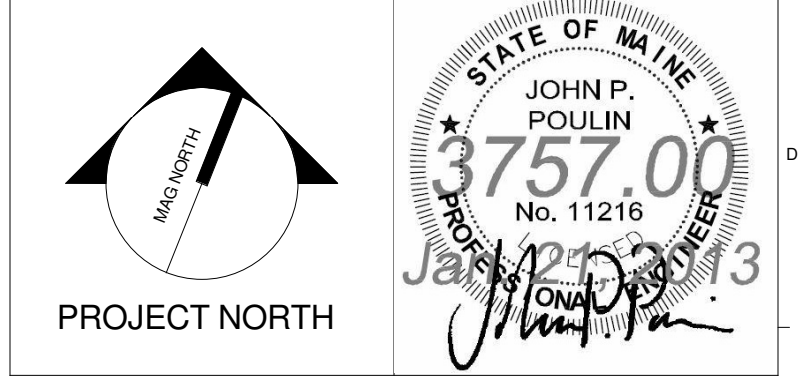


③ NEW SUPPORT FOR BIG ASS FANS
1/4" = 1'-0"



② FAN ROOM ROOF FRAMING - TYPICAL 4 PLACES
1/4" = 1'-0"

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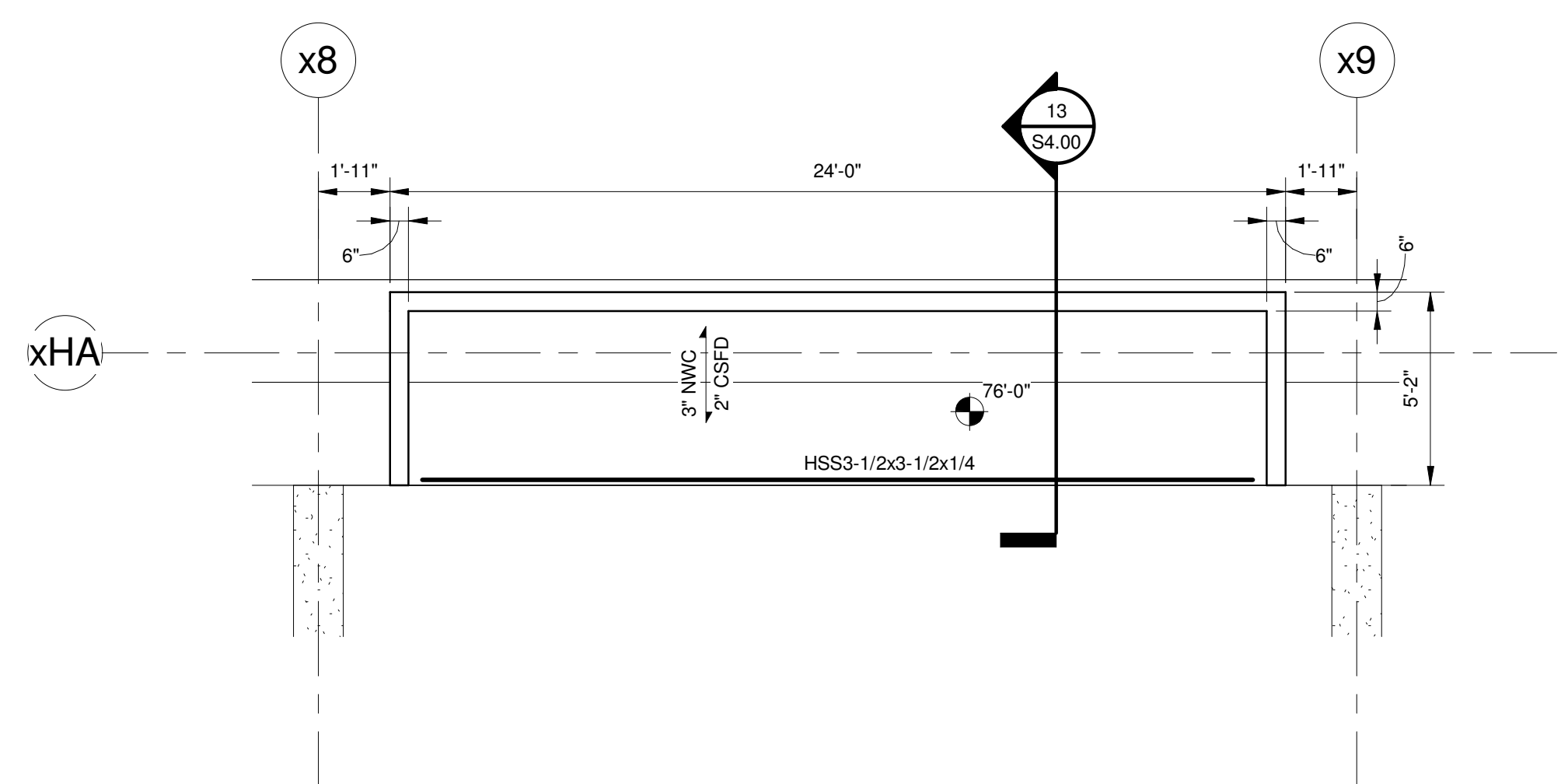
PROJECT: PORTLAND, MAINE
EXISTING ROOF FRAMING PART PLANS

PROJECT No.	3757.00	GRAPHIC SCALE	1" = 1'
SCALE	As indicated		
PROJECT MANAGER	JRB	SHEET No.	S2.70B
DRAWN BY	RAD		
CHECKED BY	JPP		

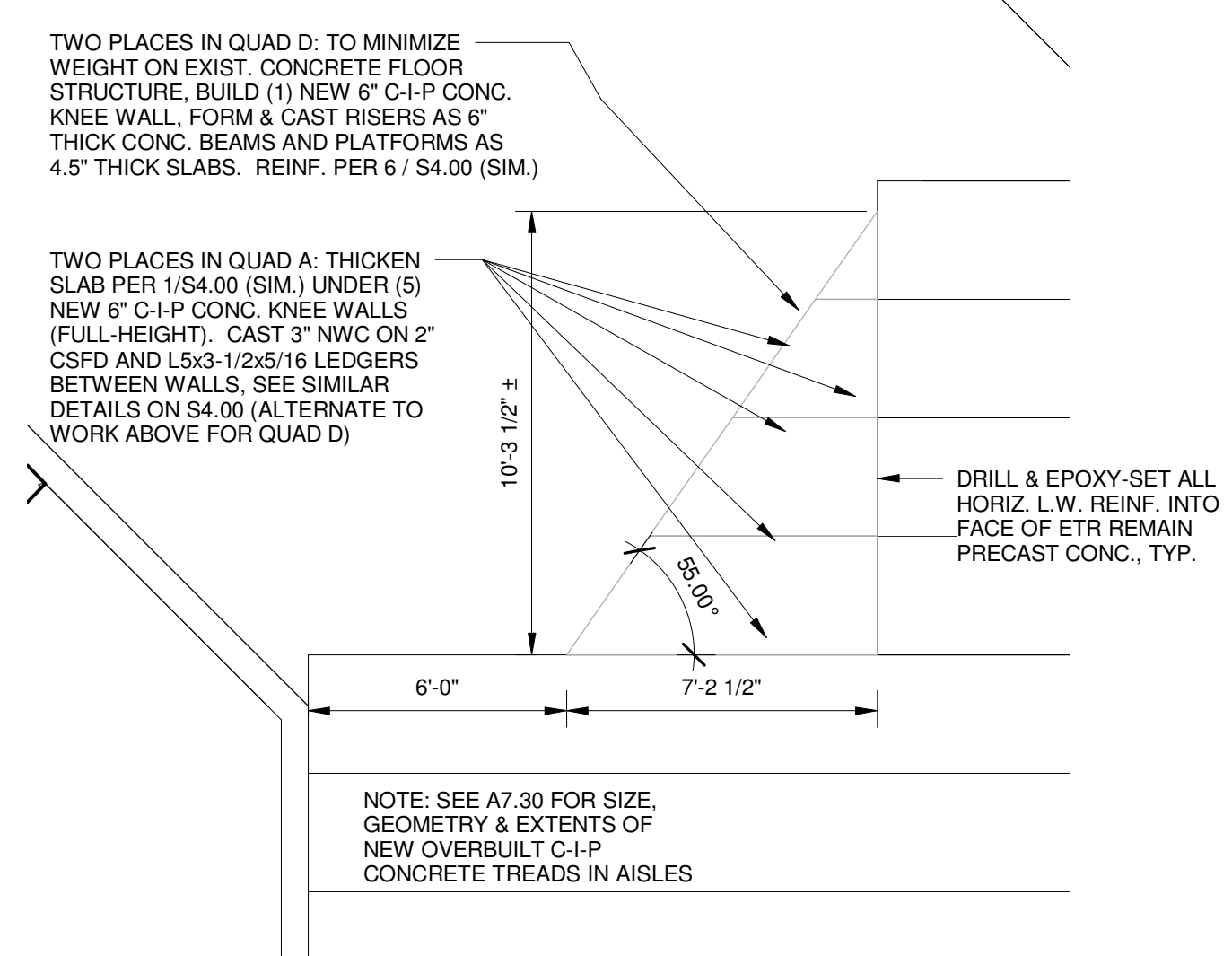
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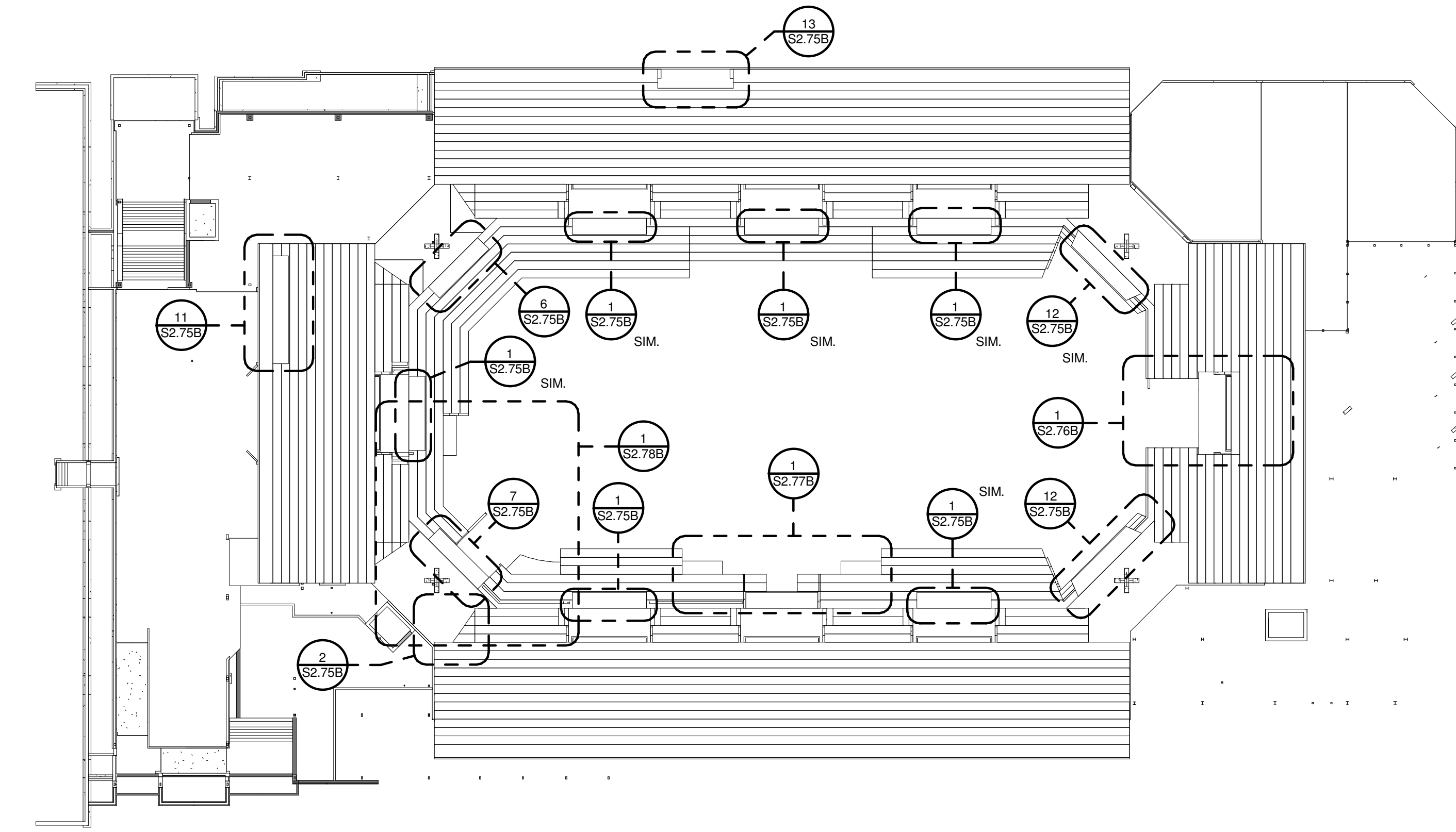
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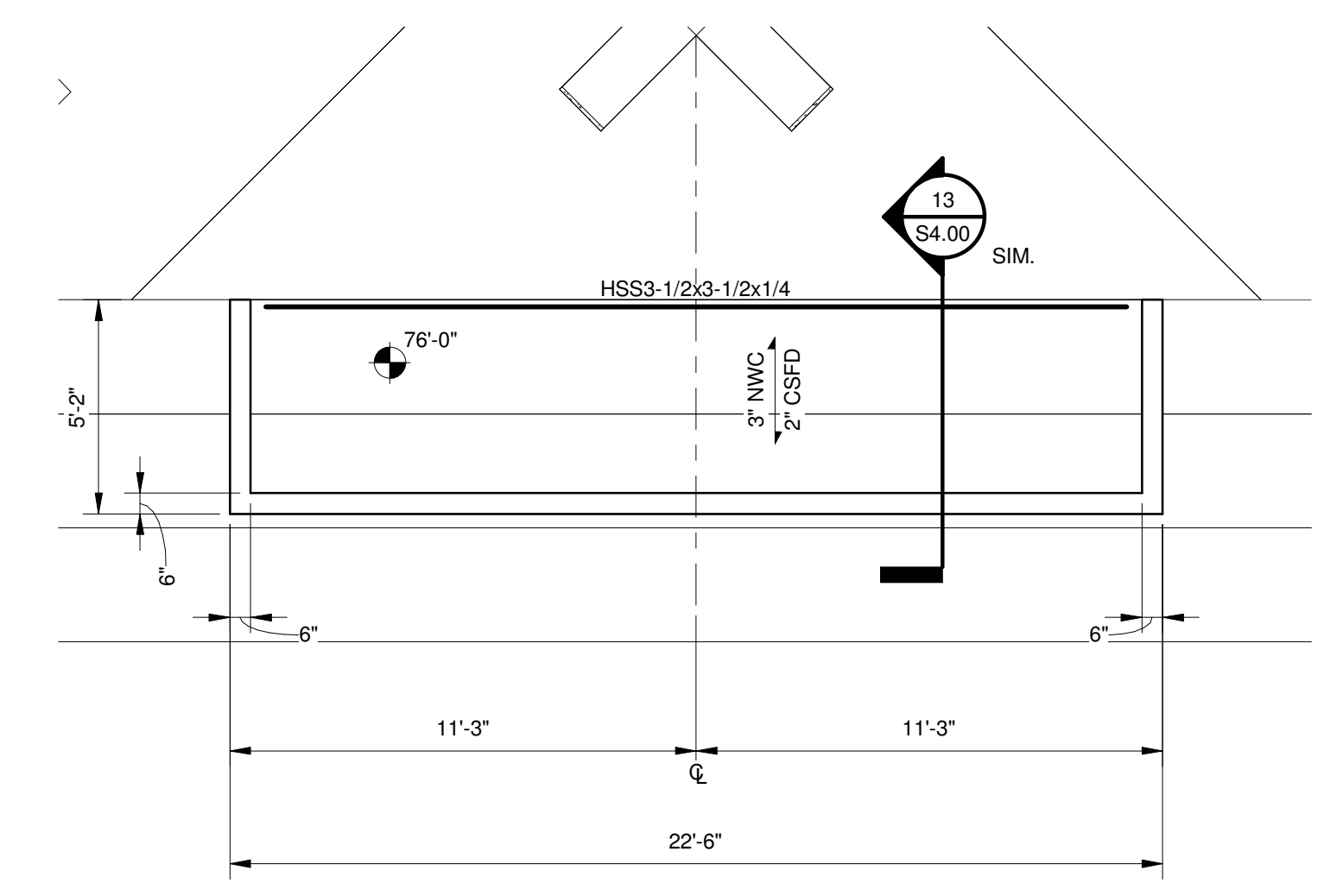
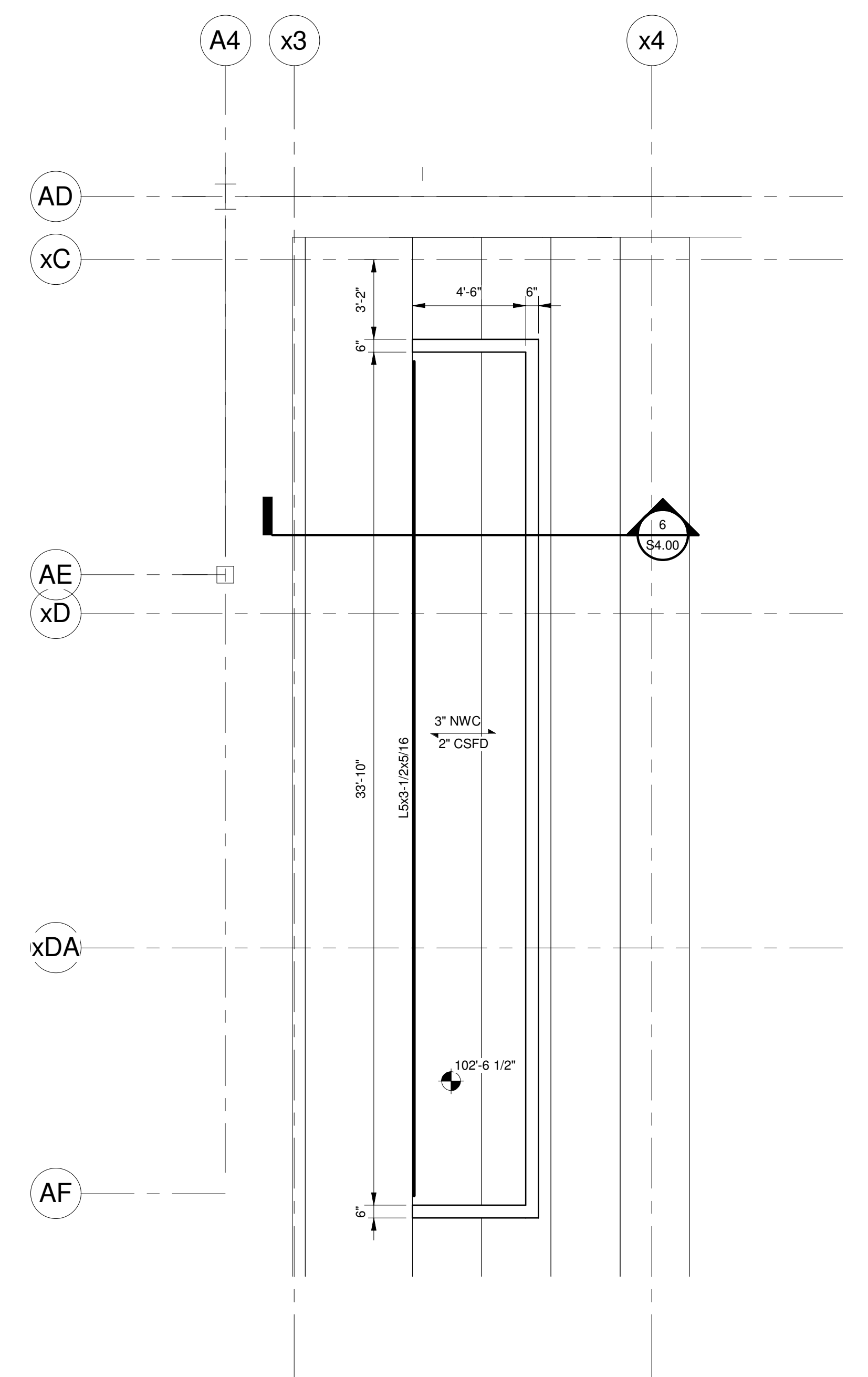
1 TYPICAL PLATFORM LAYOUT
1/4" = 1'-0"



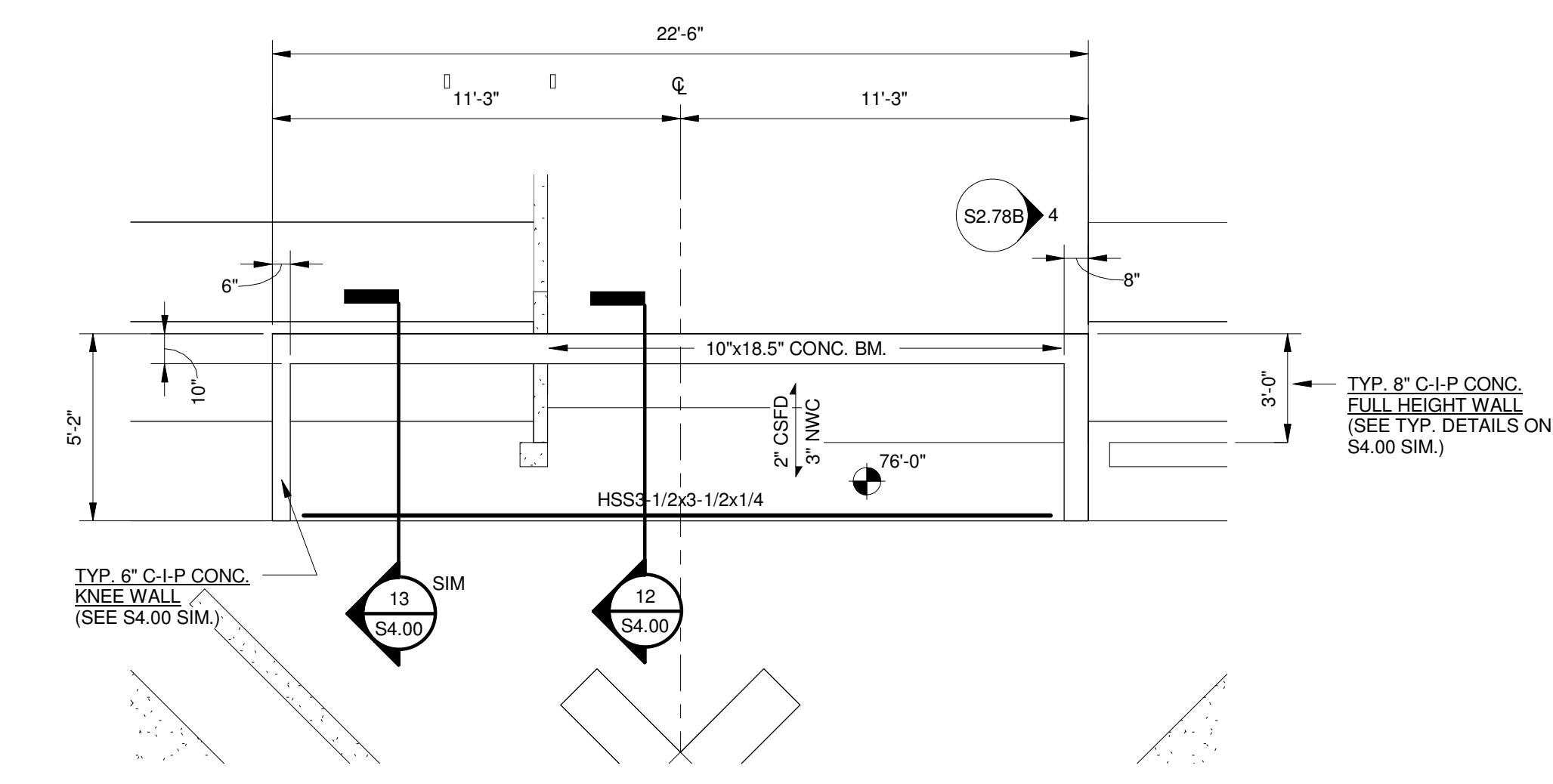
2 NEW DIAGONAL END AISLE INFILL
1/4" = 1'-0"



3 MAIN CONCOURSE BOWL SEATING/PLATFORM LAYOUT PLAN
1/32" = 1'-0"

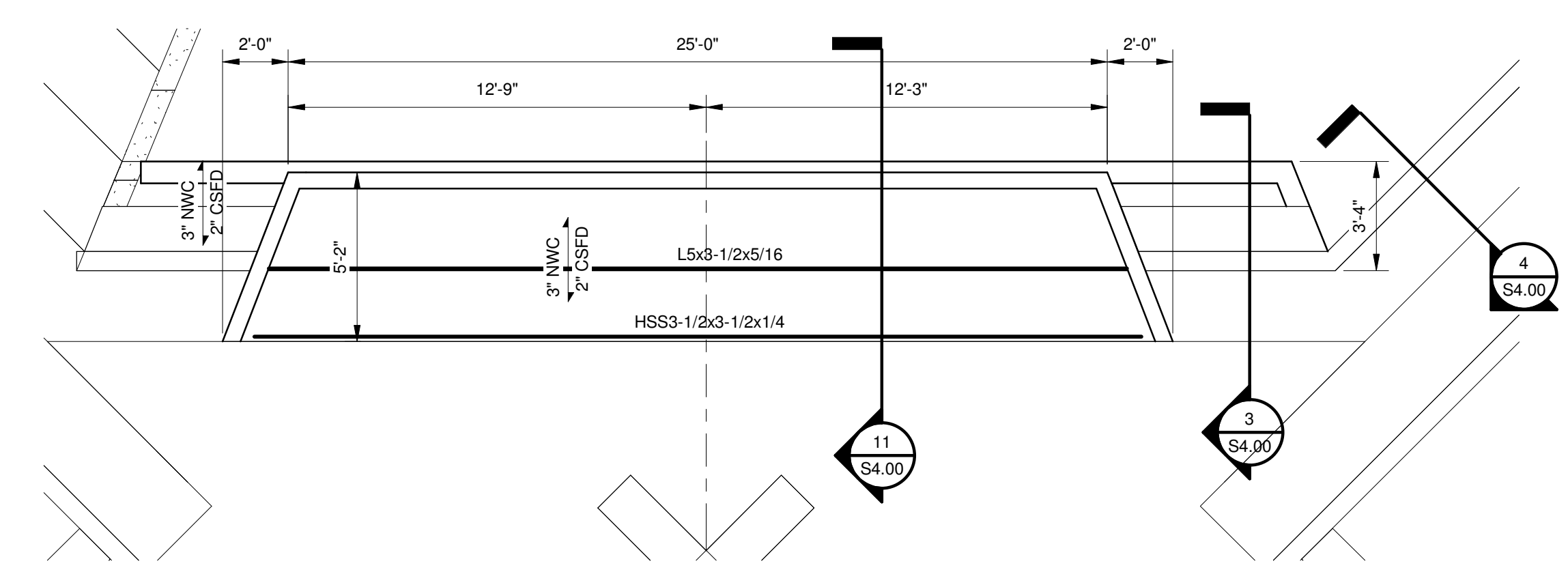


6 PLATFORM AT NORTHWEST VOMITORY
1/4" = 1'-0" (PLAN ROTATED 45° CLOCKWISE)

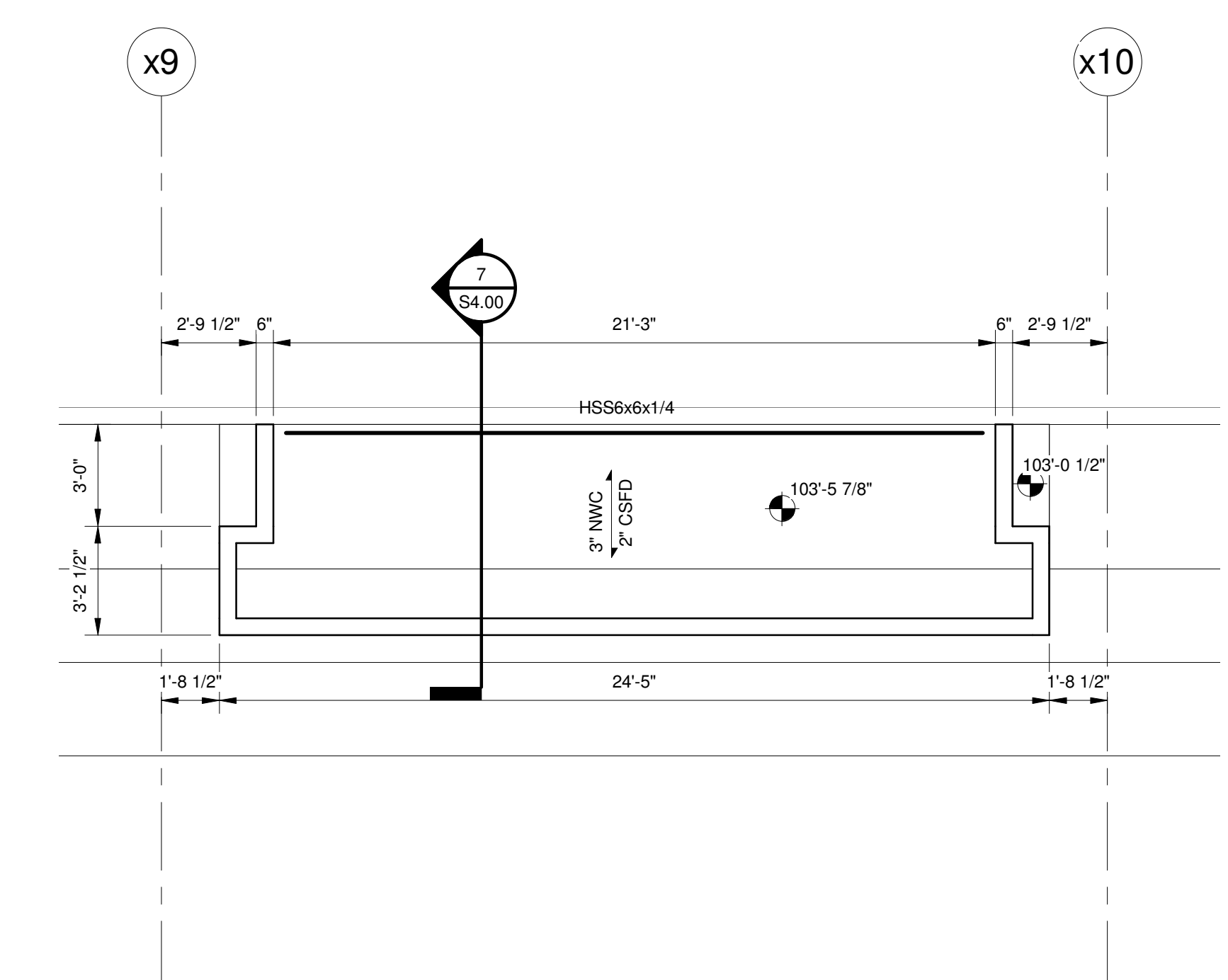


7 PLATFORM AT SOUTHWEST VOMITORY
1/4" = 1'-0" (PLAN ROTATED 45° COUNTER CLOCKWISE)

11 West Bowl
1/4" = 1'-0"



12 PLATFORM @ EAST VOMITORIES
1/4" = 1'-0" (PLAN ROTATED 45° CLOCKWISE)



13 North Bowl
1/4" = 1'-0"

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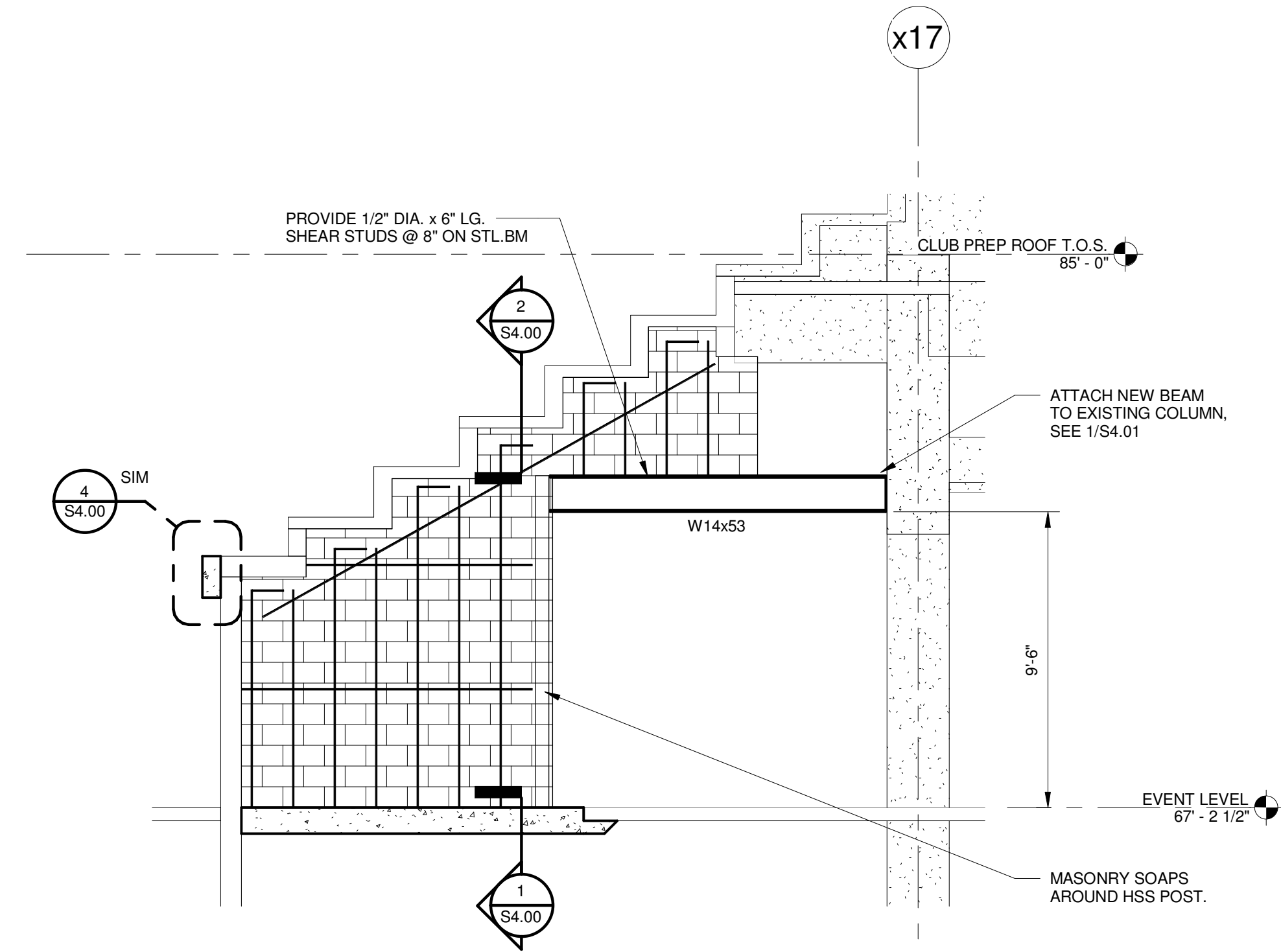
PROJECT: PORTLAND, MAINE
ENLARGED PLANS

SHEET TITLE	WBRC CAD FILE: C:\Users\jpdethlefs\Documents\075700 - CCCO Structure_dwd\pellerier.rvt
PROJECT No.	3757.00
SCALE	As indicated
PROJECT MANAGER	JRB
DRAWN BY	RAD
CHECKED BY	JPP
SHEET No.	S2.75B

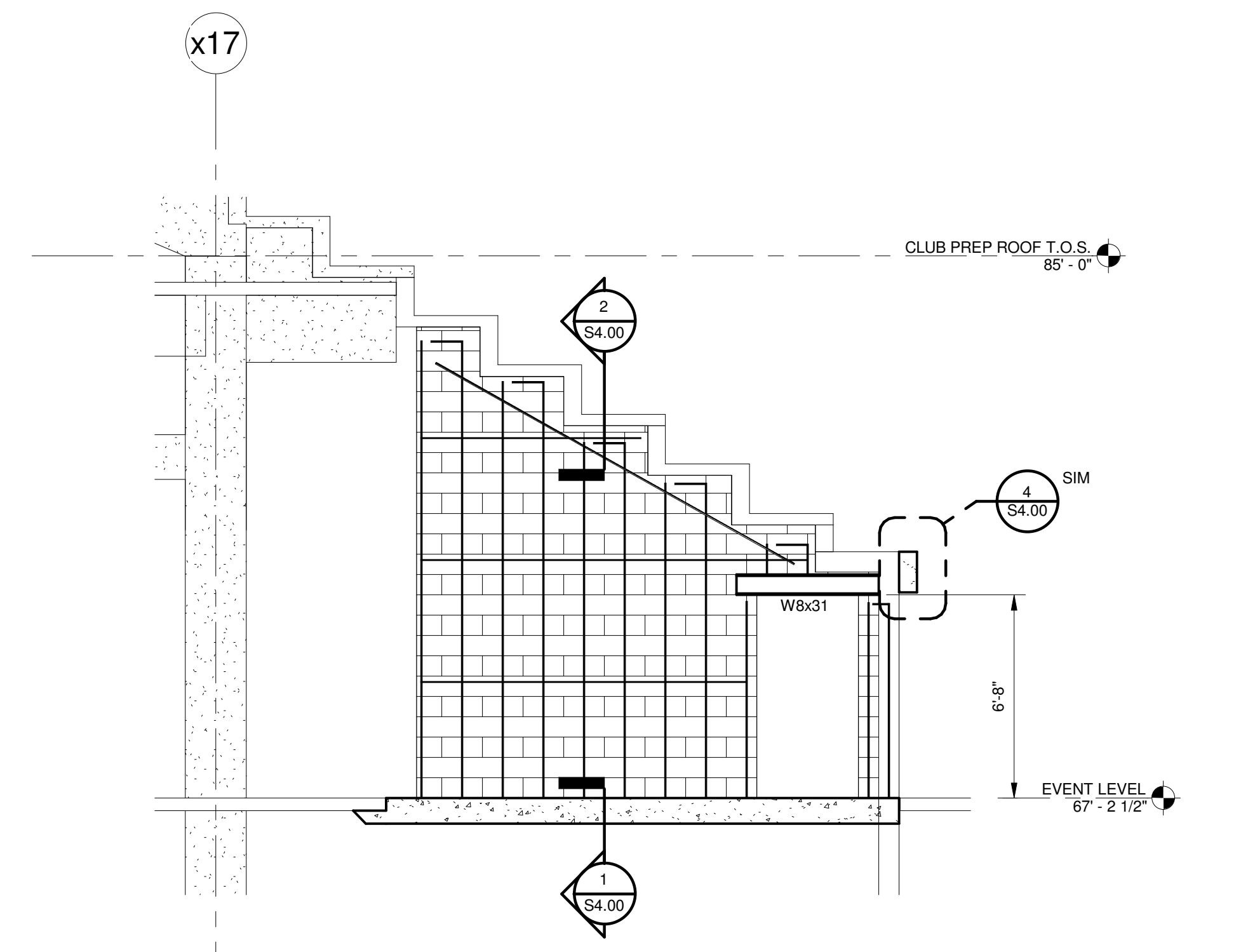
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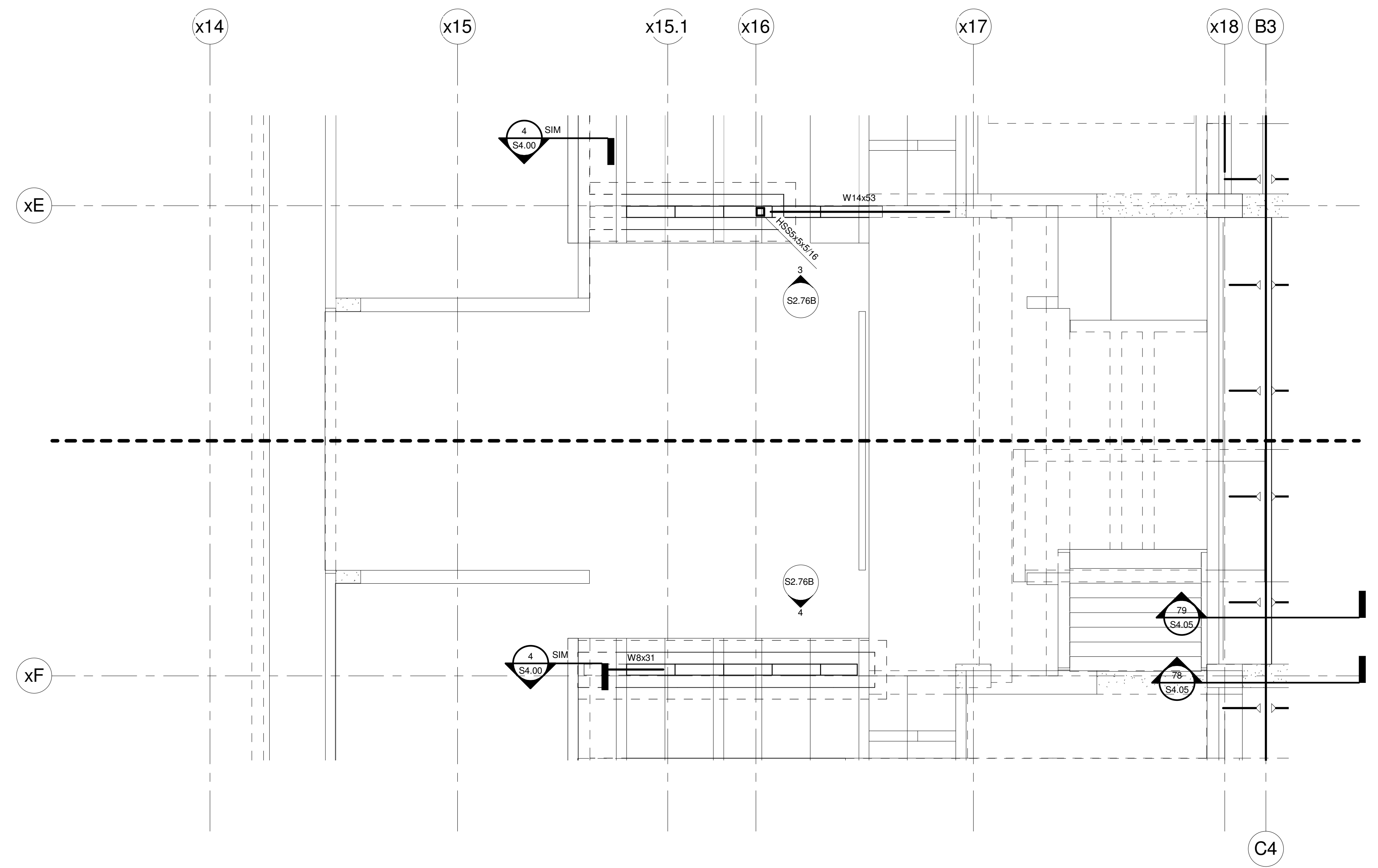
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3 ELEVATION
1/4" = 1'-0"



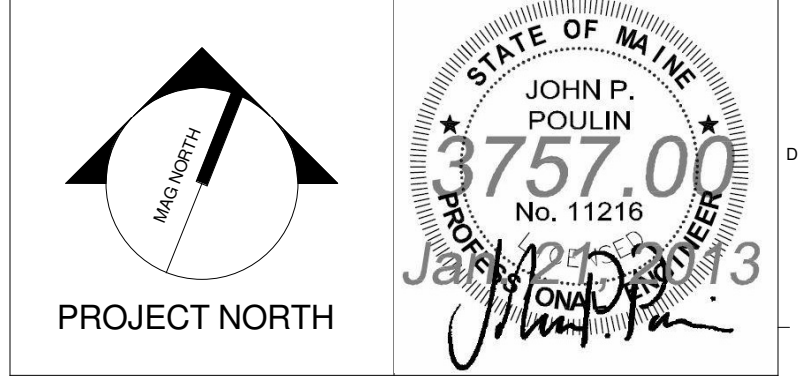
4 ELEVATION
1/4" = 1'-0"



1 EAST END
1/4" = 1'-0"

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
ENLARGED PLANS & ELEVATIONS

PROJECT No.	3757.00	GRAPHIC SCALE	1"
SCALE	1/4" = 1'-0"		
PROJECT MANAGER	JRB	SHEET No.	S2.76B
DRAWN BY	RAD		
CHECKED BY	JPP		

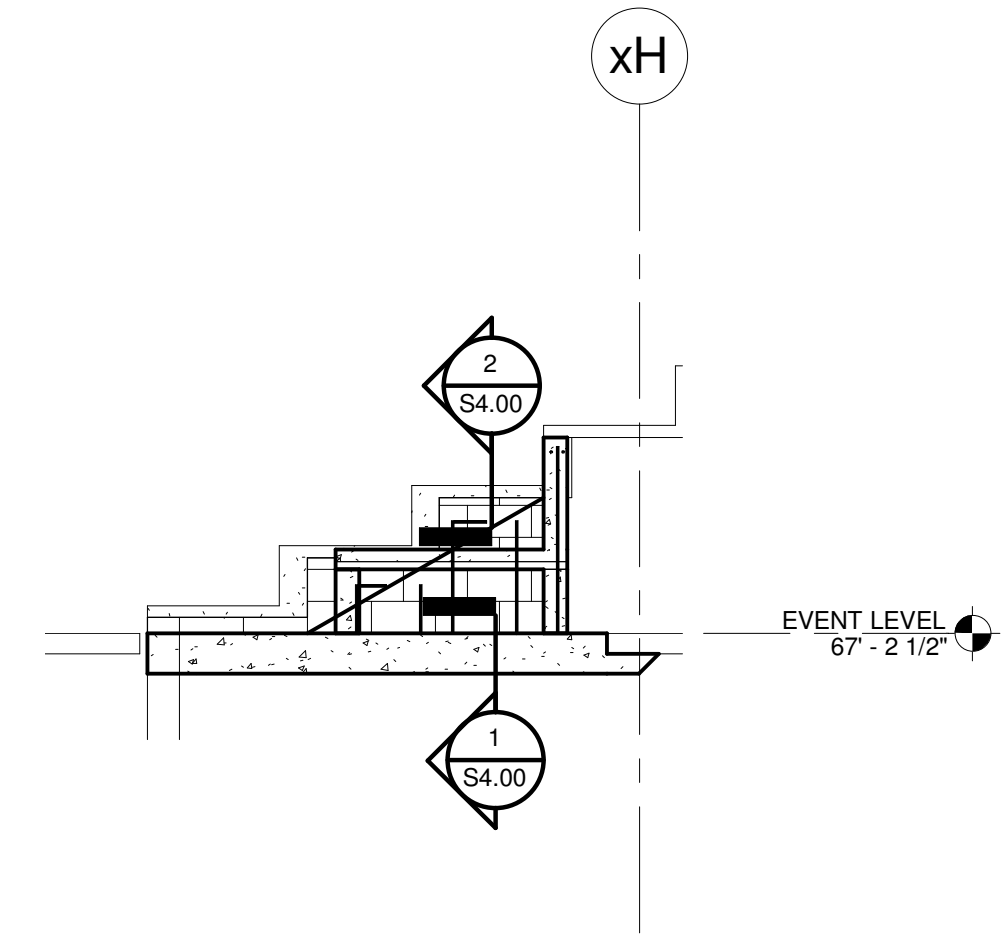
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SINK COMBS DETHLEFS

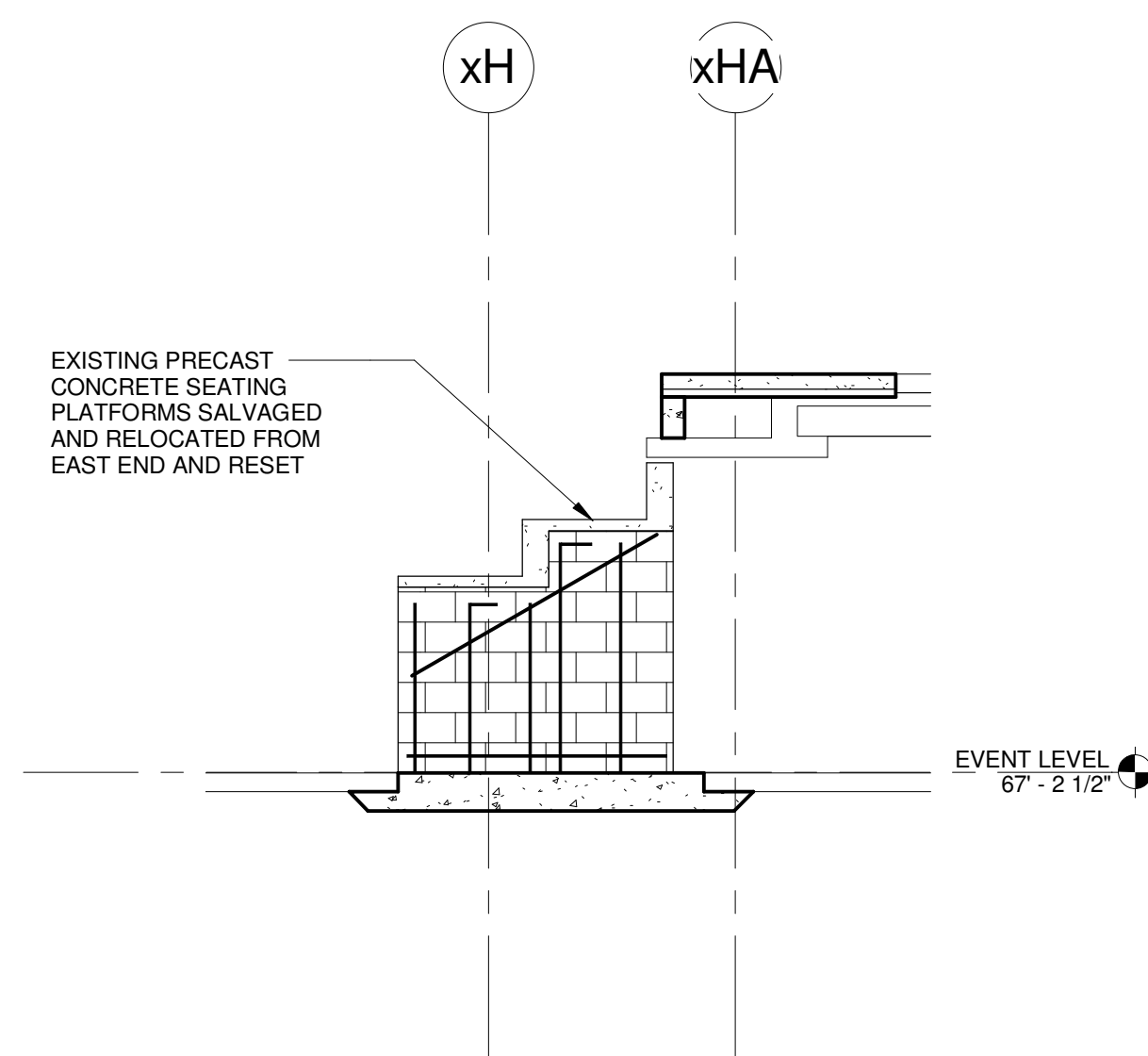
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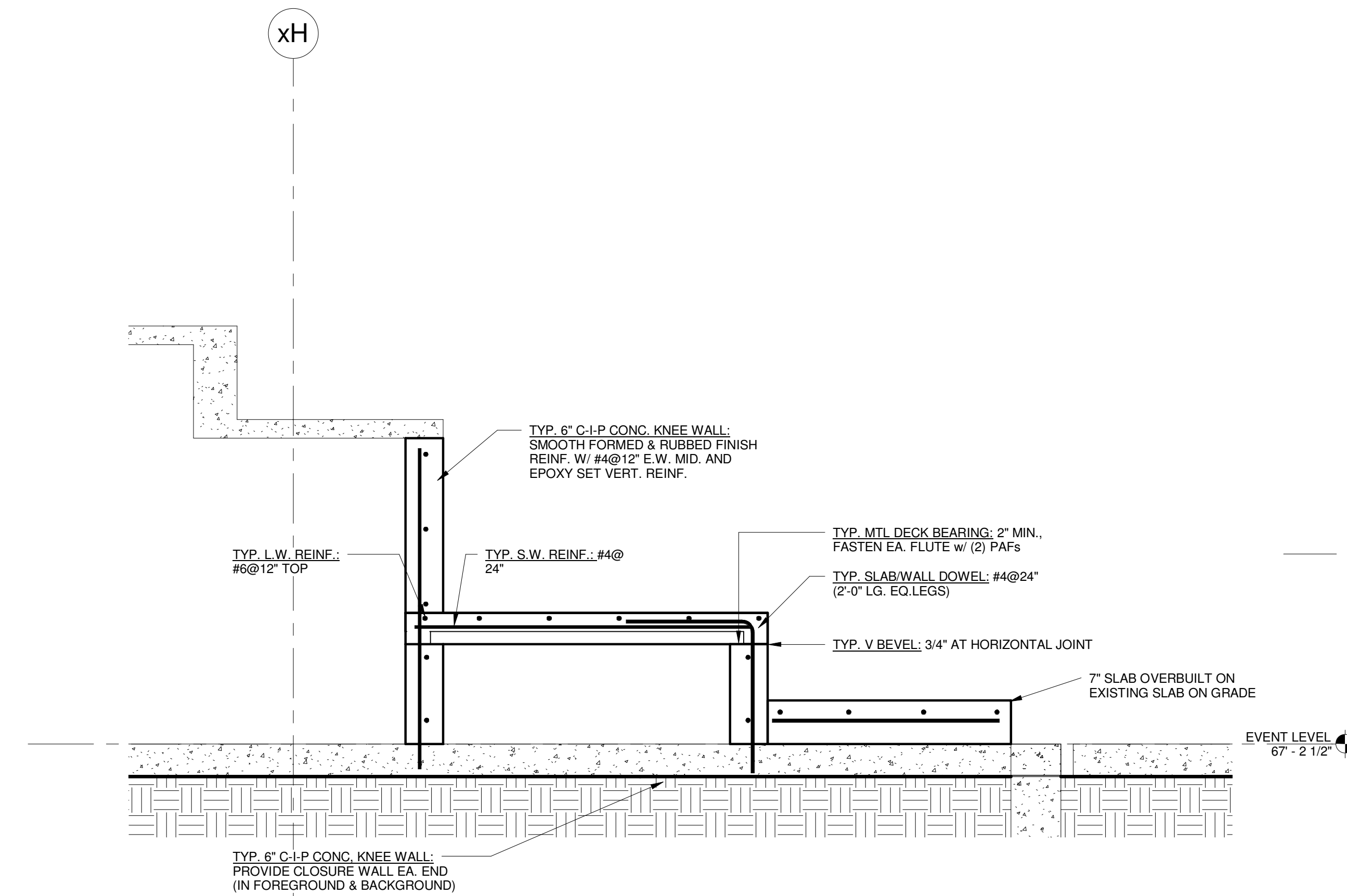
303.398.0200
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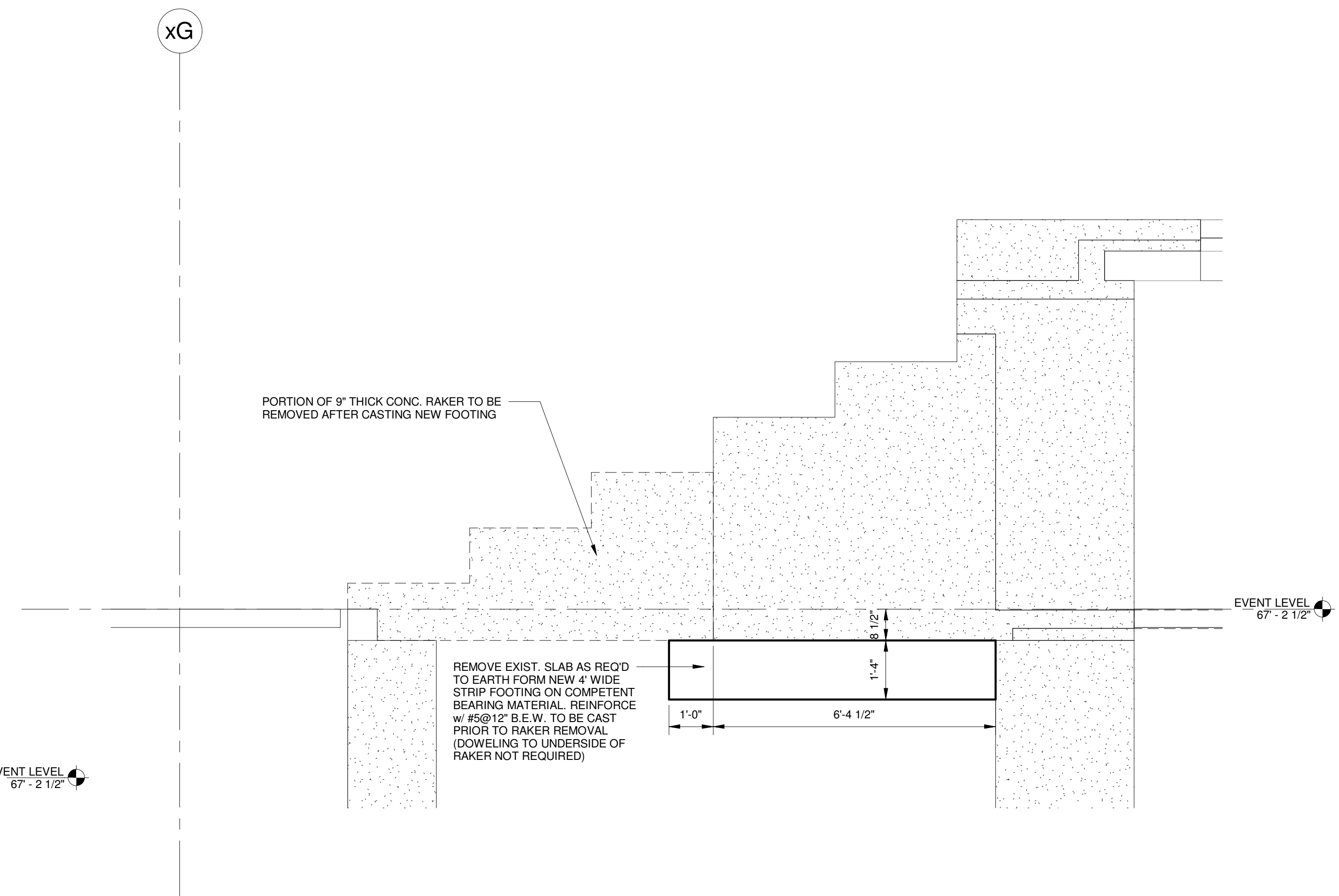
3 ELEVATION
1/4" = 1'-0"



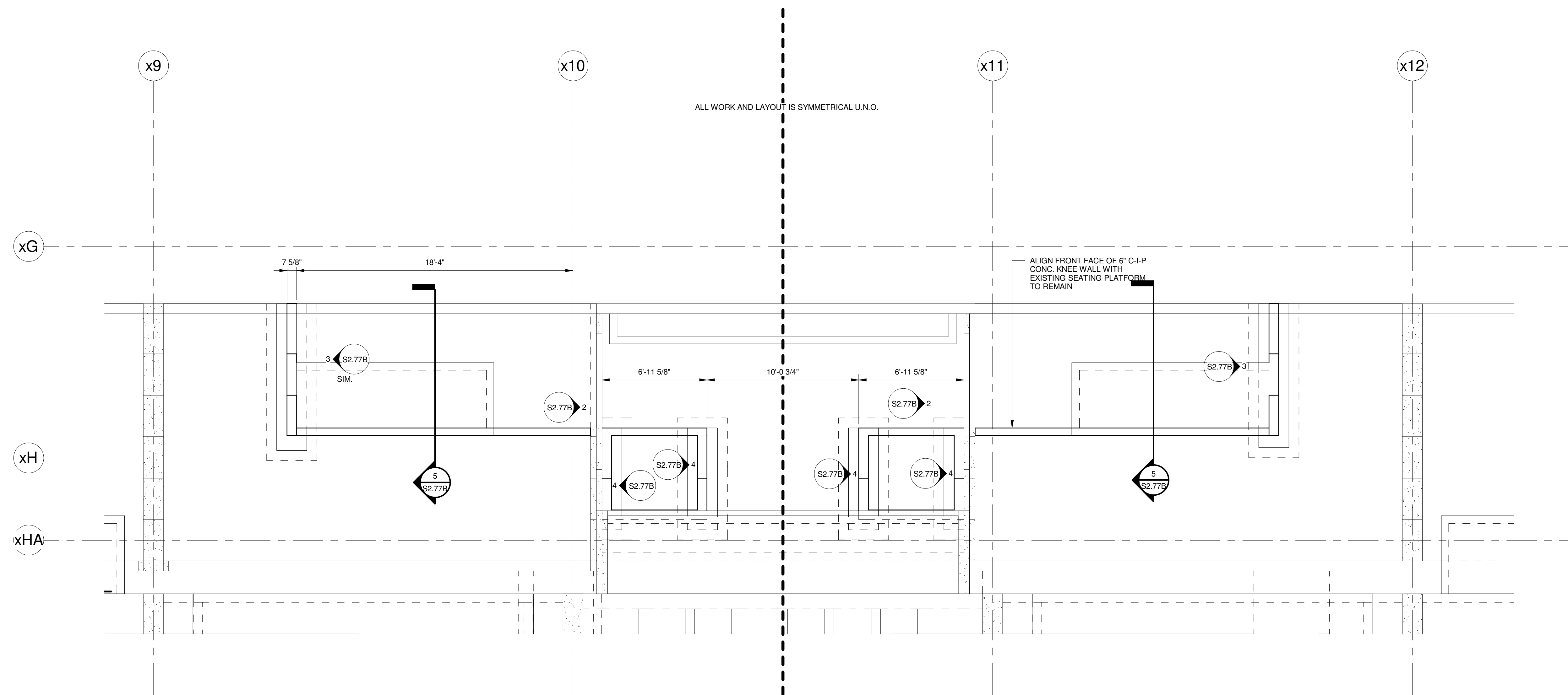
4 CMU WALL @ SOUTH NEW
1/4" = 1'-0"



5 SECTION
3/4" = 1'-0"



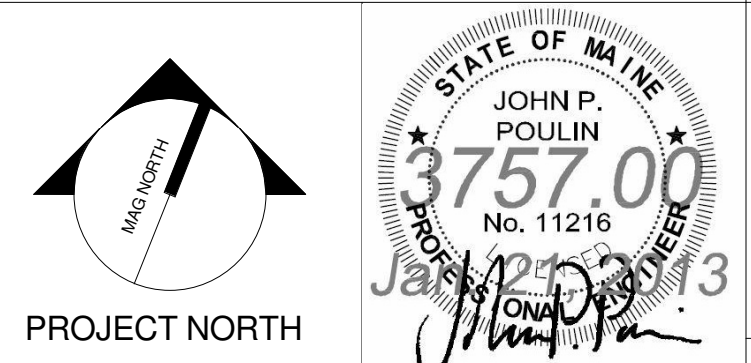
2 RAKER MODIFICATION 1
1/2" = 1'-0"



1 SOUTH END
1/4" = 1'-0"

REV.	DESCRIPTION	DATE
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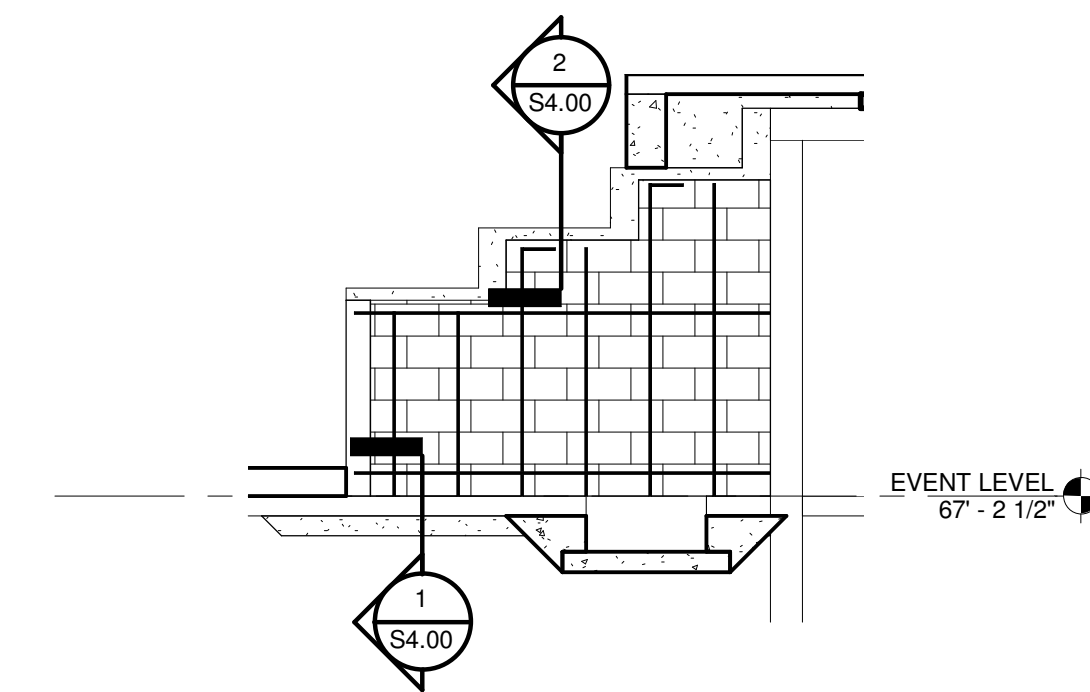
CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

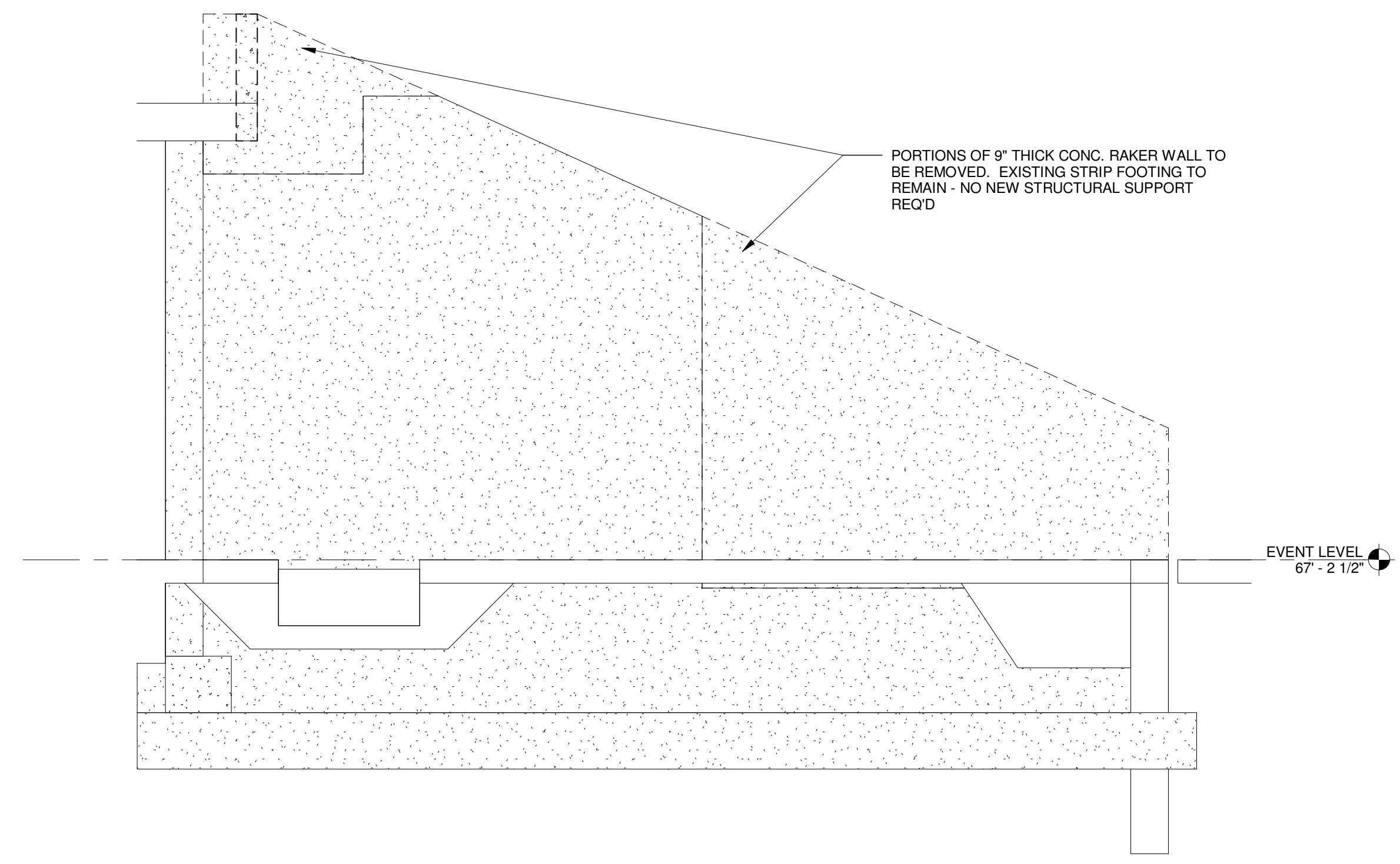
ENLARGED PLANS & ELEVATIONS

SHEET TITLE	WBRC CAD FILE: C:\Users\jandj\palletier\Documents\375700 - CCCC Structure_dethlefs\palletier.rvt
PROJECT No.	3757.00
SCALE	As indicated
PROJECT MANAGER	JRB
DRAWN BY	RAD
CHECKED BY	JPP
SHEET No.	S2.77B

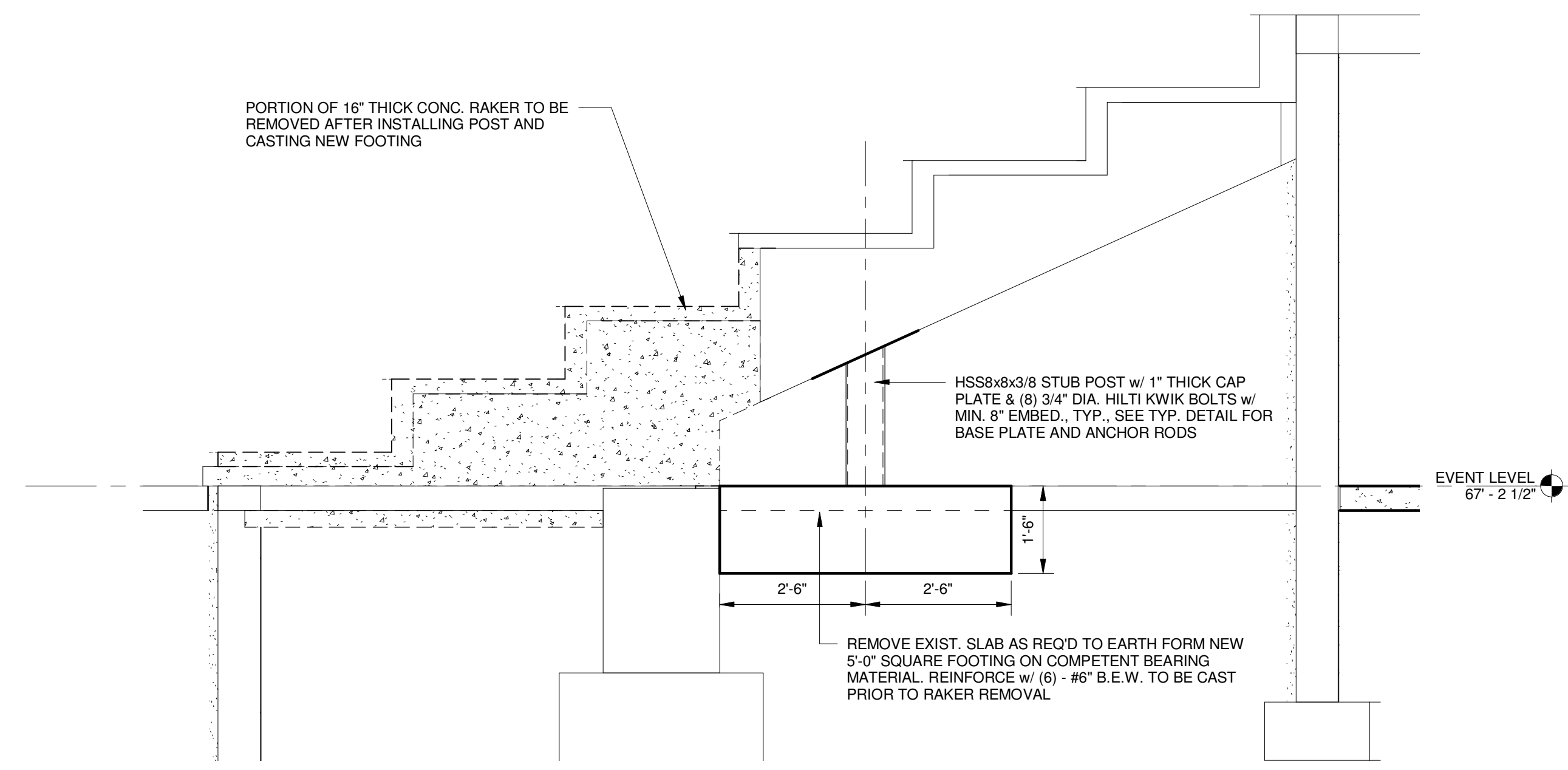
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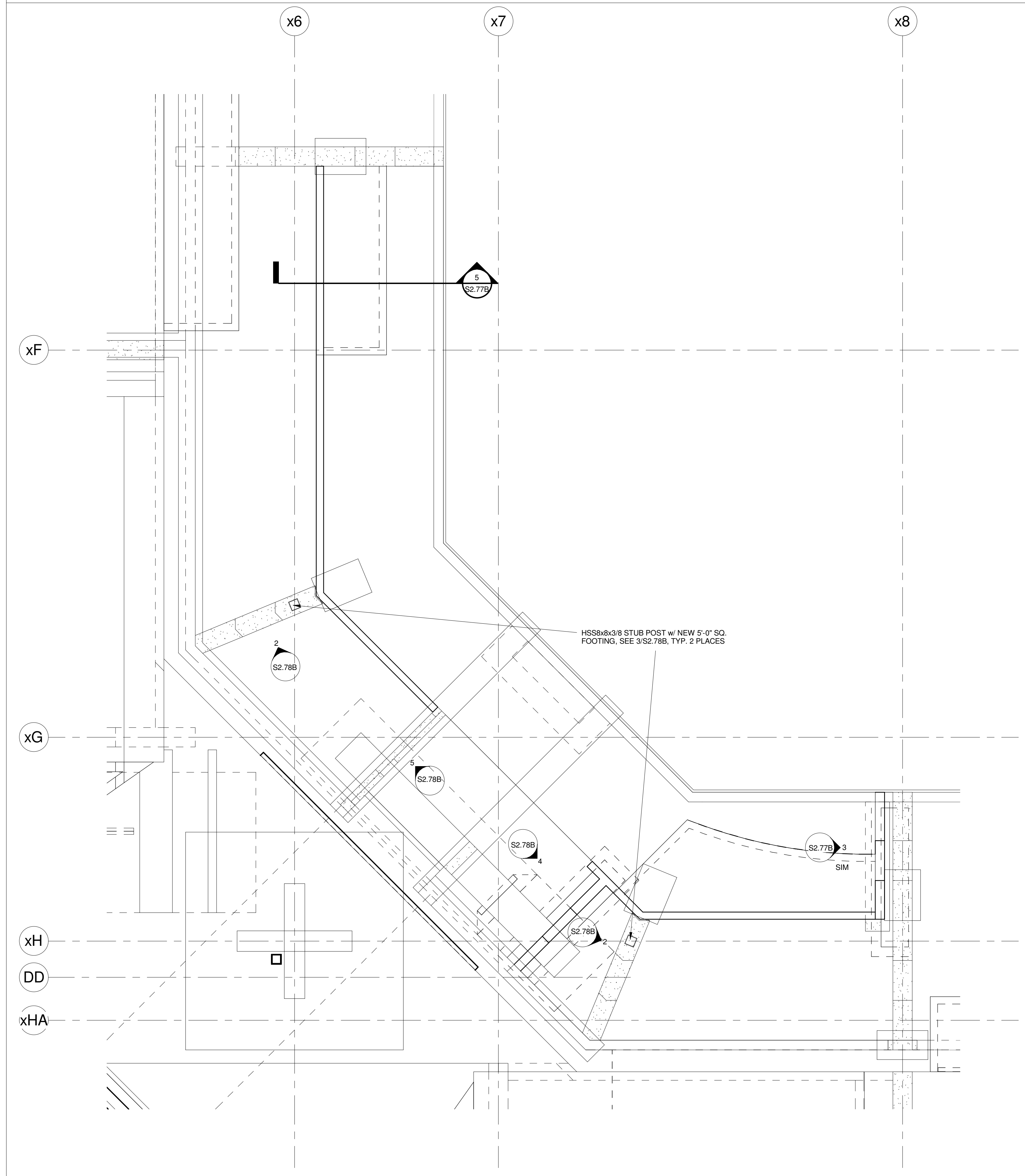
4 CMU @ SOUTH WEST
1/4" = 1'-0"



5 RAKER MODIFICATION 3
1/2" = 1'-0"



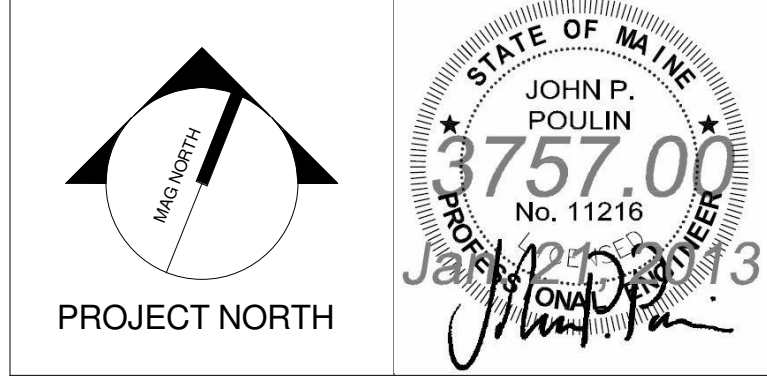
2 RAKER MODIFICATION 2
1/2" = 1'-0"



1 SOUTHWEST END
1/4" = 1'-0"

REV.	DESCRIPTION	DATE
0	CONSTRUCTION DOCUMENTS	01-21-2013
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PROJECT: PORTLAND, MAINE
CUMBERLAND COUNTY CIVIC CENTER RENOVATION

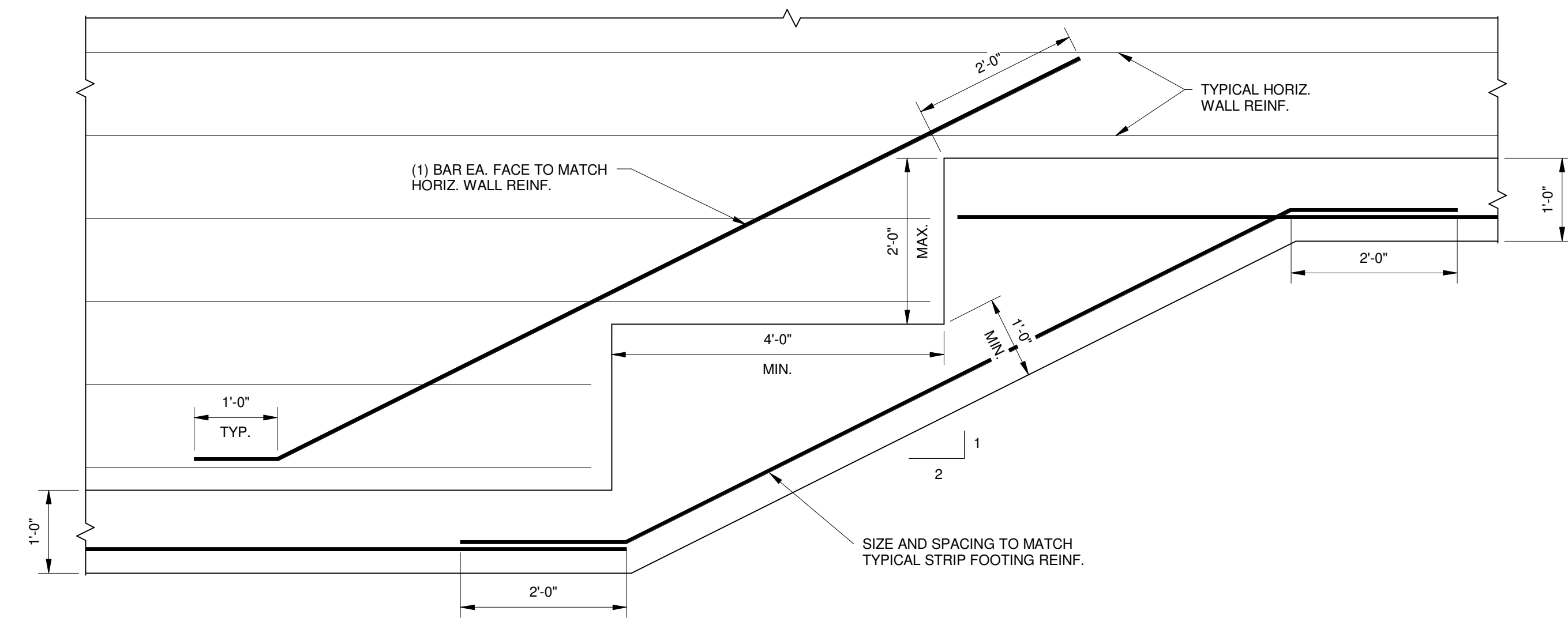
SHEET TITLE:
ENLARGED PLANS & ELEVATIONS

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PROJECT No. 3757.00	SCALE: As indicated
PROJECT MANAGER: JRB	SHEET No. S2.78B
DRAWN BY: RAD	
CHECKED BY: JPP	

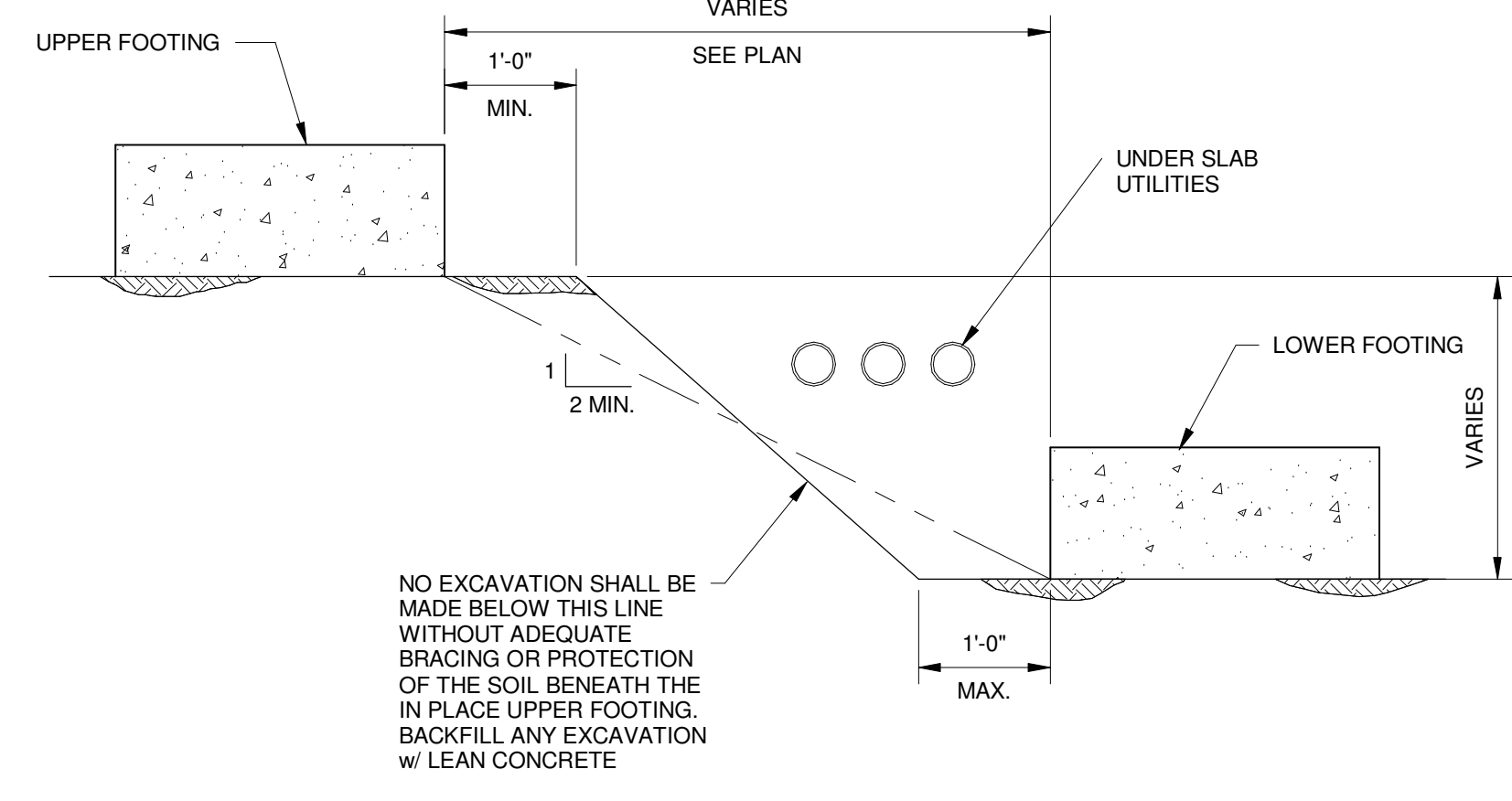
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SINK COMBS DETHLEFS

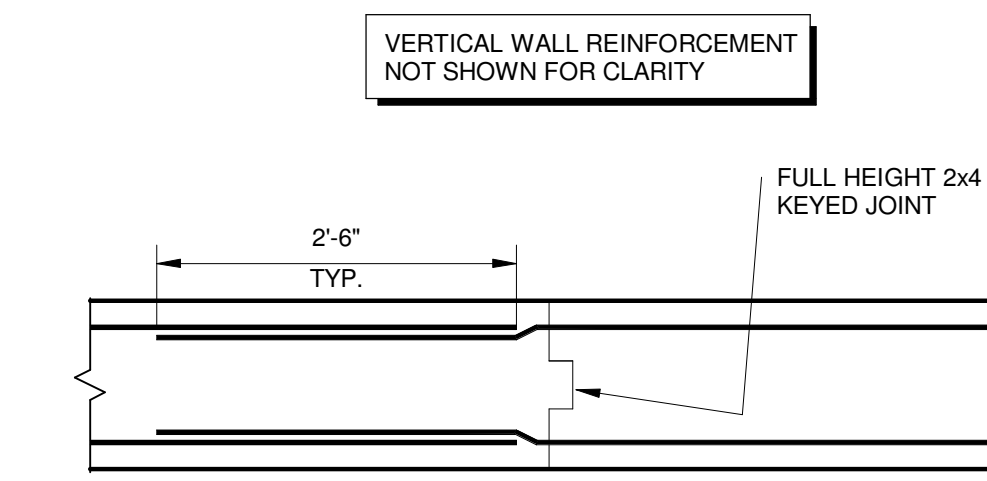
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F01 TYPICAL STEPPED FOOTING CONSTRUCTION
3/4" = 1'-0"

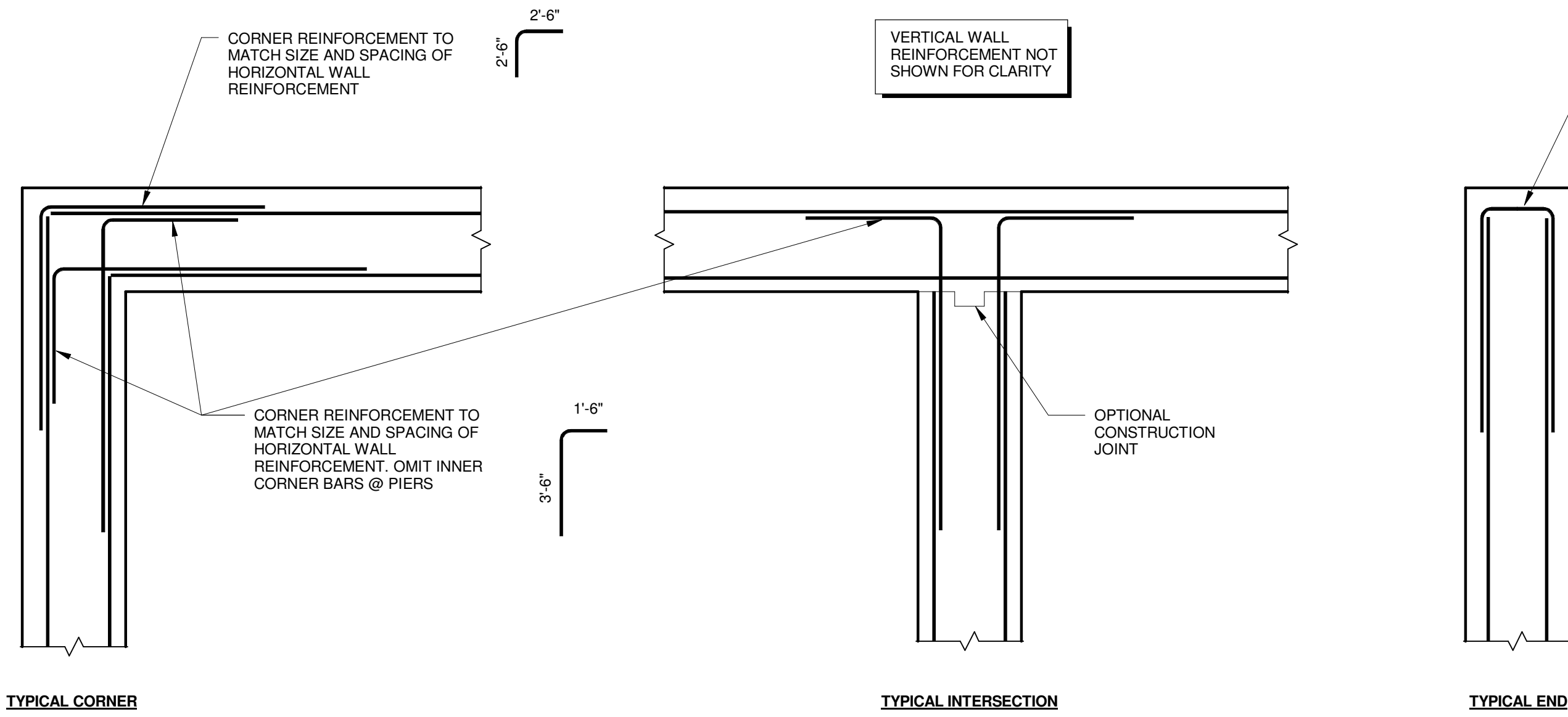


F02 TYPICAL EXCAVATION REQUIRED
3/4" = 1'-0"

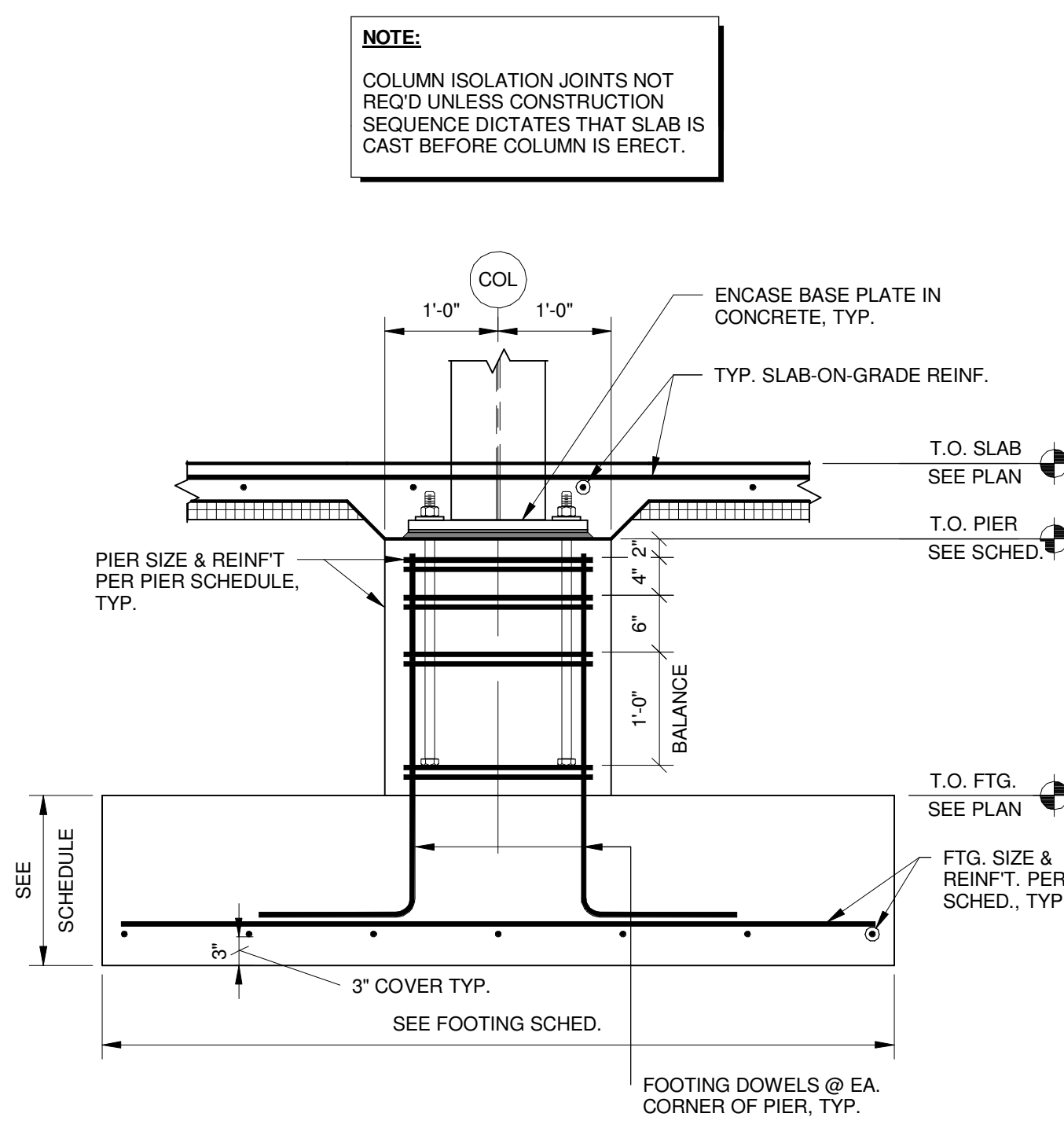


NOTE:
PROVIDE JOINTS AT 40'-0" o/c MAXIMUM, EXCEPT 60'-0" o/c MAXIMUM WHERE WALL HEIGHT IS LESS THAN 10'-0".

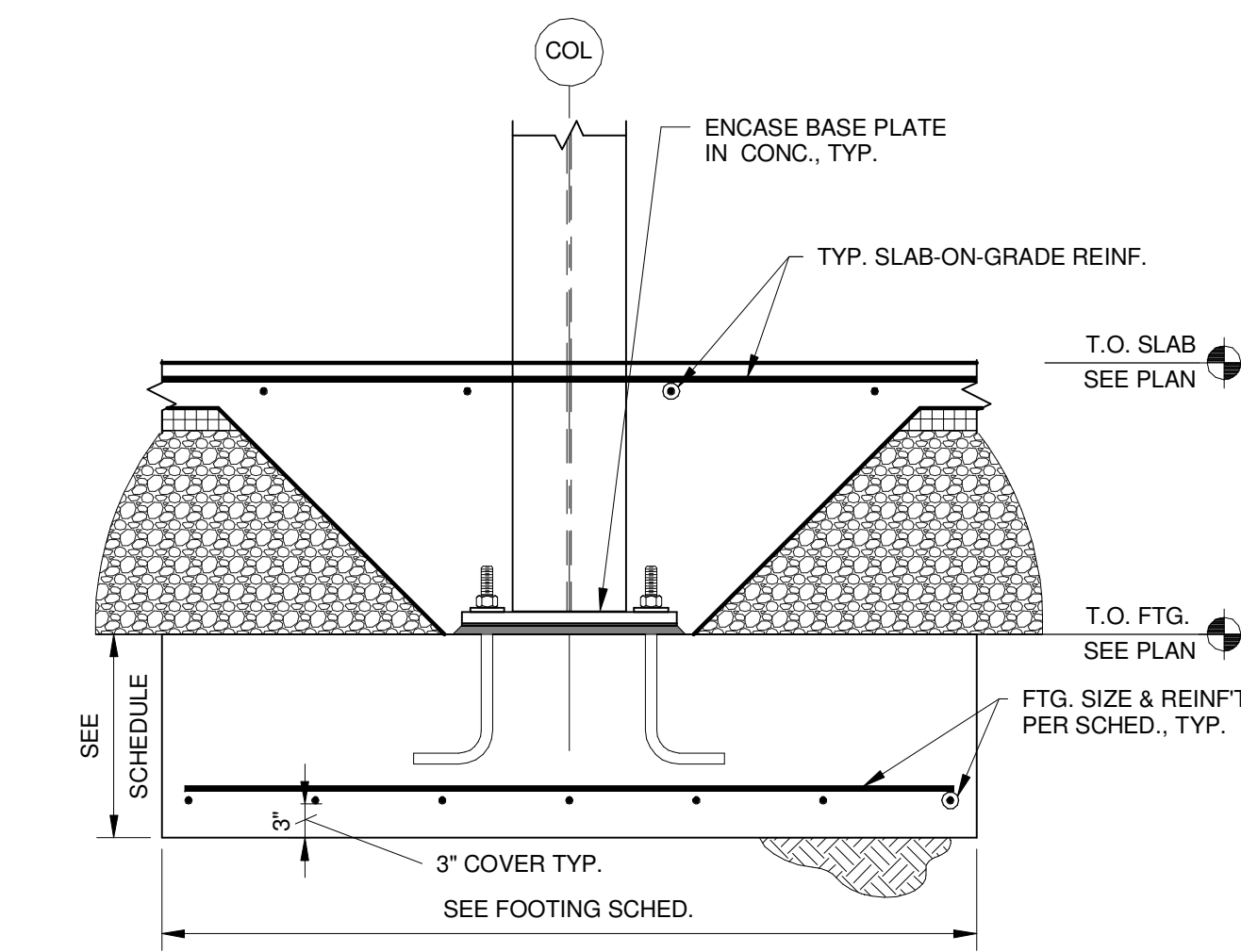
F03 TYPICAL WALL CONSTRUCTION JOINT
3/4" = 1'-0"



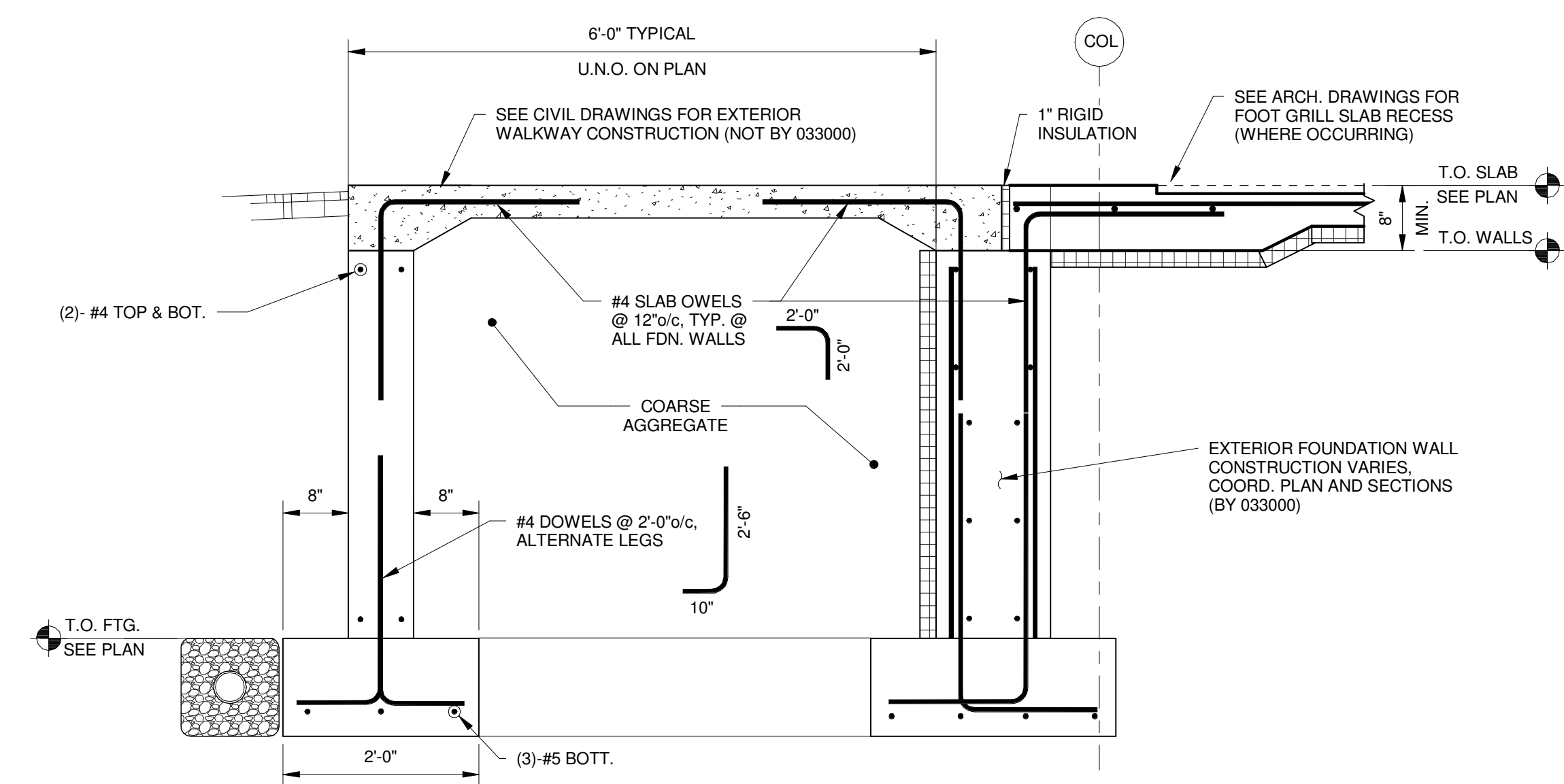
F06 TYPICAL WALL REINFORCING
3/4" = 1'-0"



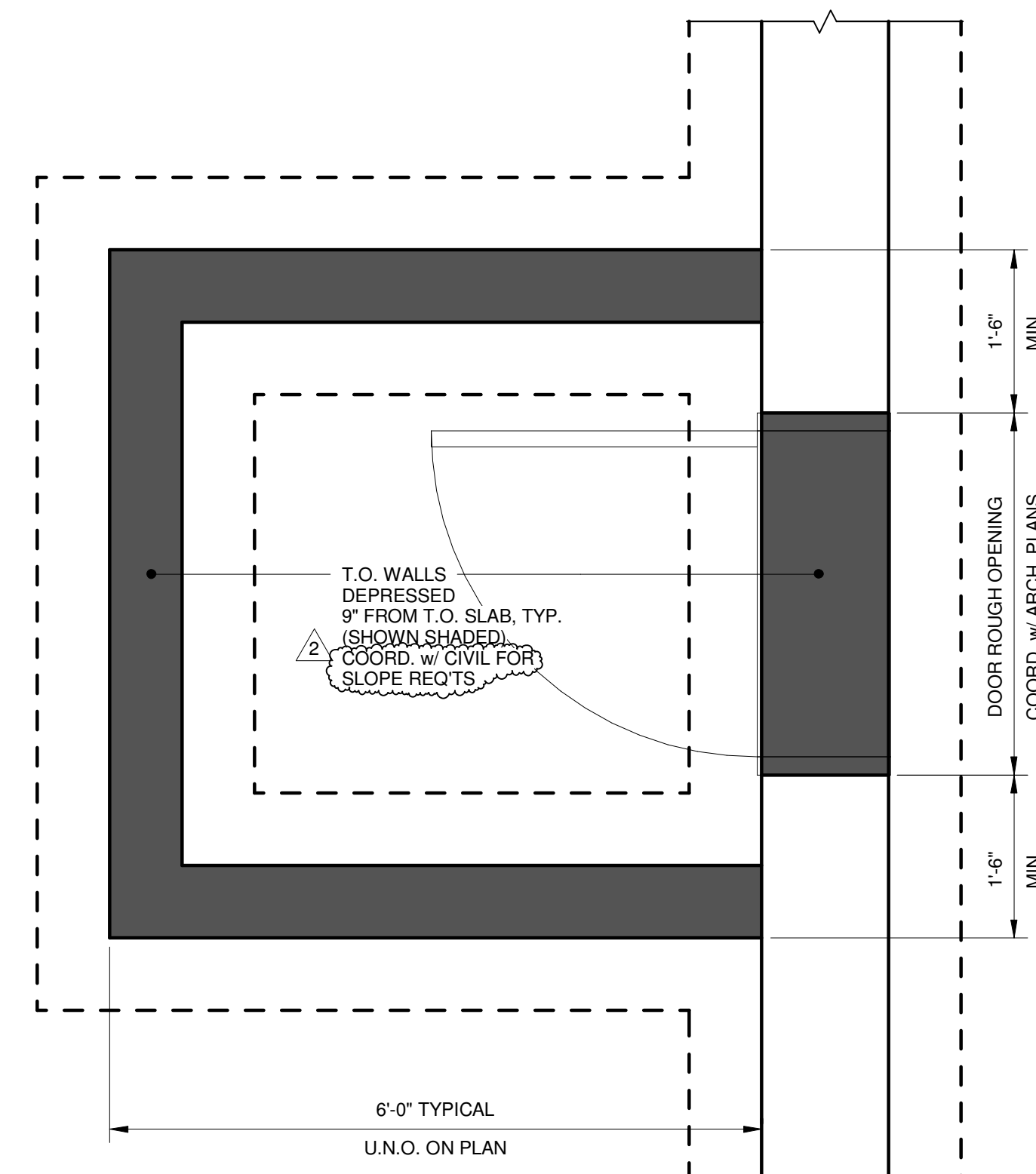
F07 TYPICAL INTERIOR PIER
3/4" = 1'-0"



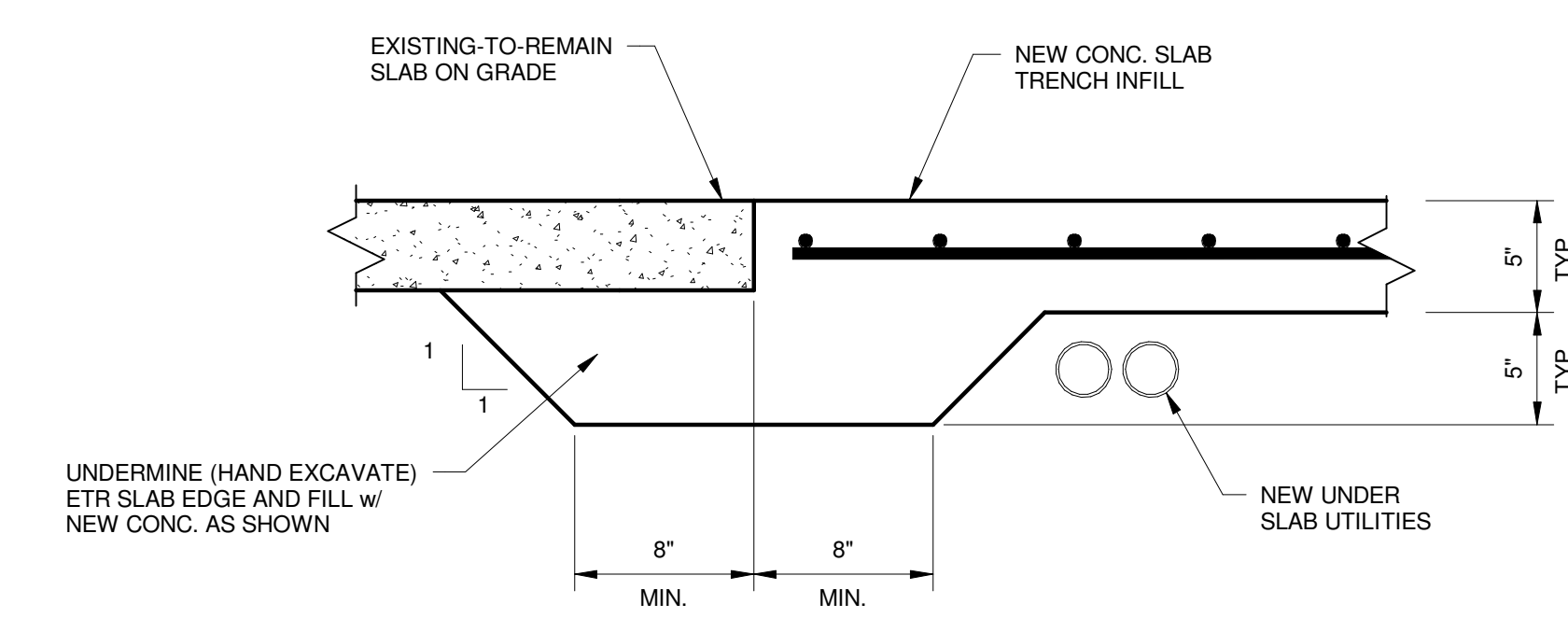
F08 TYPICAL INTERIOR COLUMN FOOTING
3/4" = 1'-0"



F11 TYPICAL FROST WALLS AT EXTERIOR ENTRIES
3/4" = 1'-0"

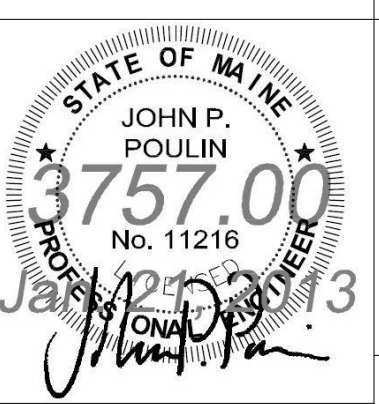


F12 TYPICAL EXTERIOR ENTRY LAYOUT
3/4" = 1'-0"



F13 TYPICAL SLAB ON GRADE CUT & INFILL
1 1/2" = 1'-0"

2	CONSTRUCTION DOCUMENTS	01-21-2013
1	NW ENTRY CONSTRUCTION DOCS	10-31-2012
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REV.	DESCRIPTION	DATE
	CONSTRUCTION DOCUMENTS	
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE

TYPICAL CONCRETE FOUNDATION SECTIONS AND DETAILS

WBRC CAD FILE: C:\Users\jpp\Documents\375700 - CCCC Structure_detailed\peller.ctb	GRAPHIC SCALE: 1" = 1'-0"
PROJECT No. 3757.00	SCALE: As indicated
PROJECT MANAGER: JRB	SHEET No. S3.00
DRAWN BY: ADB	
CHECKED BY: JPP	

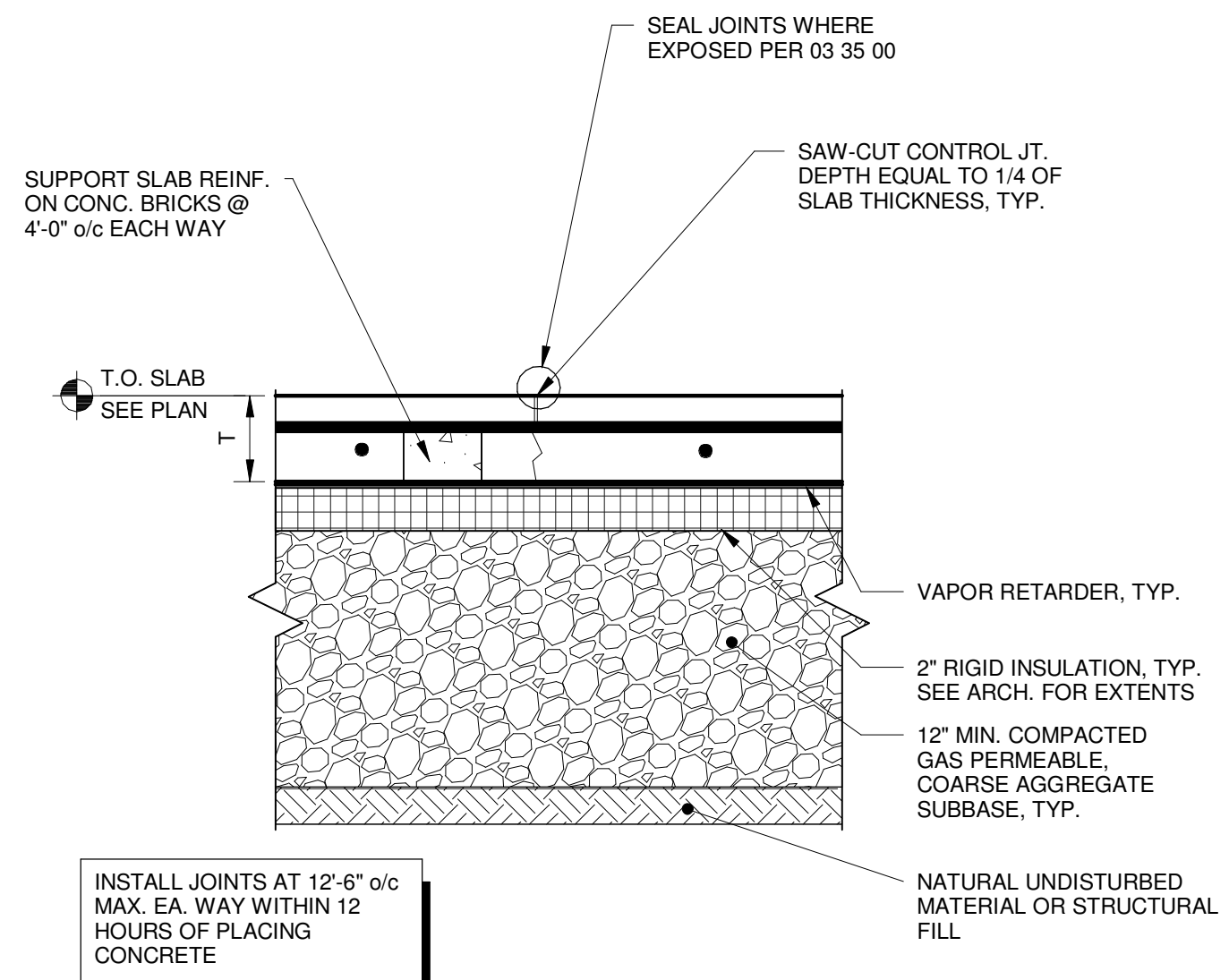
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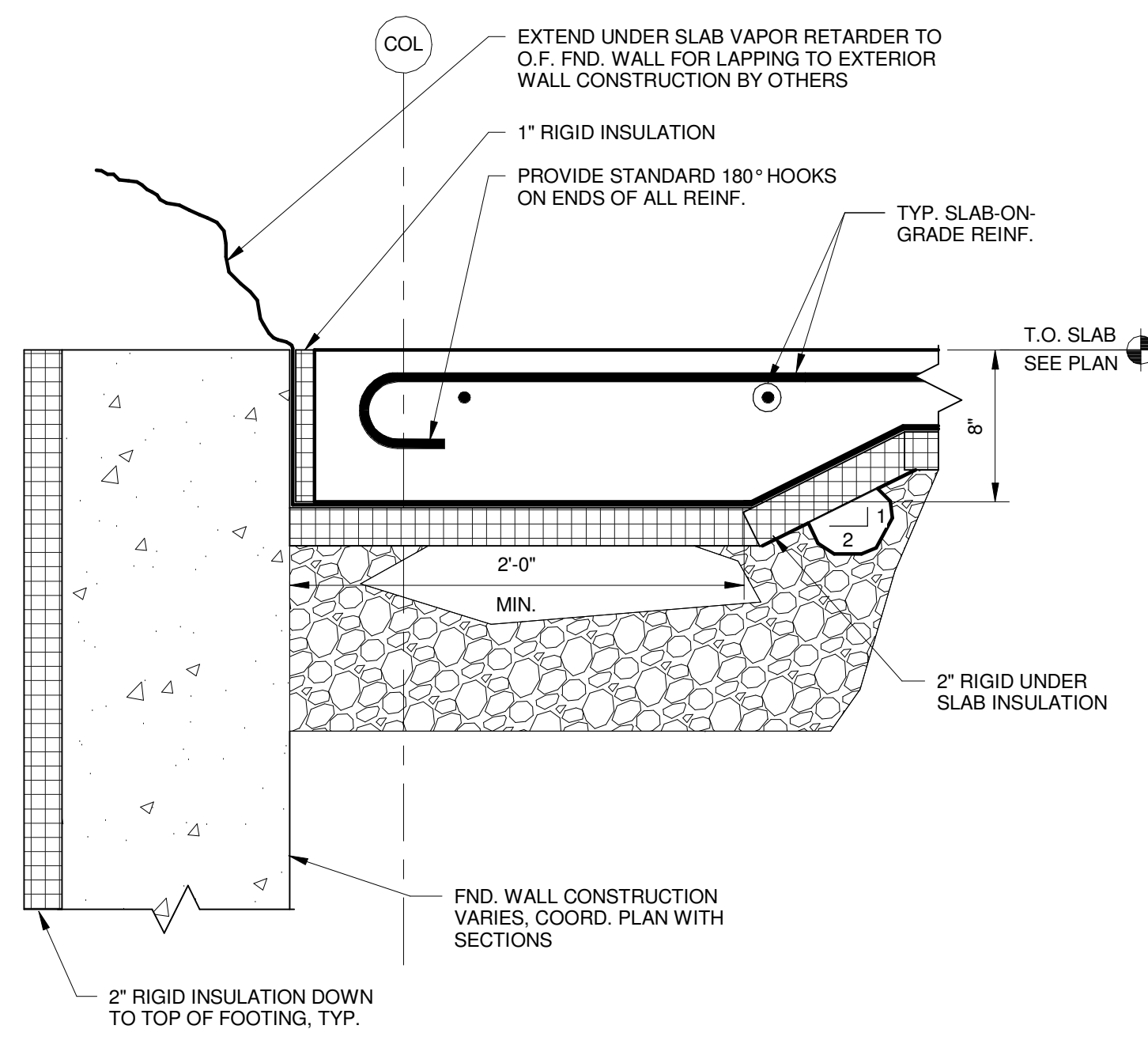
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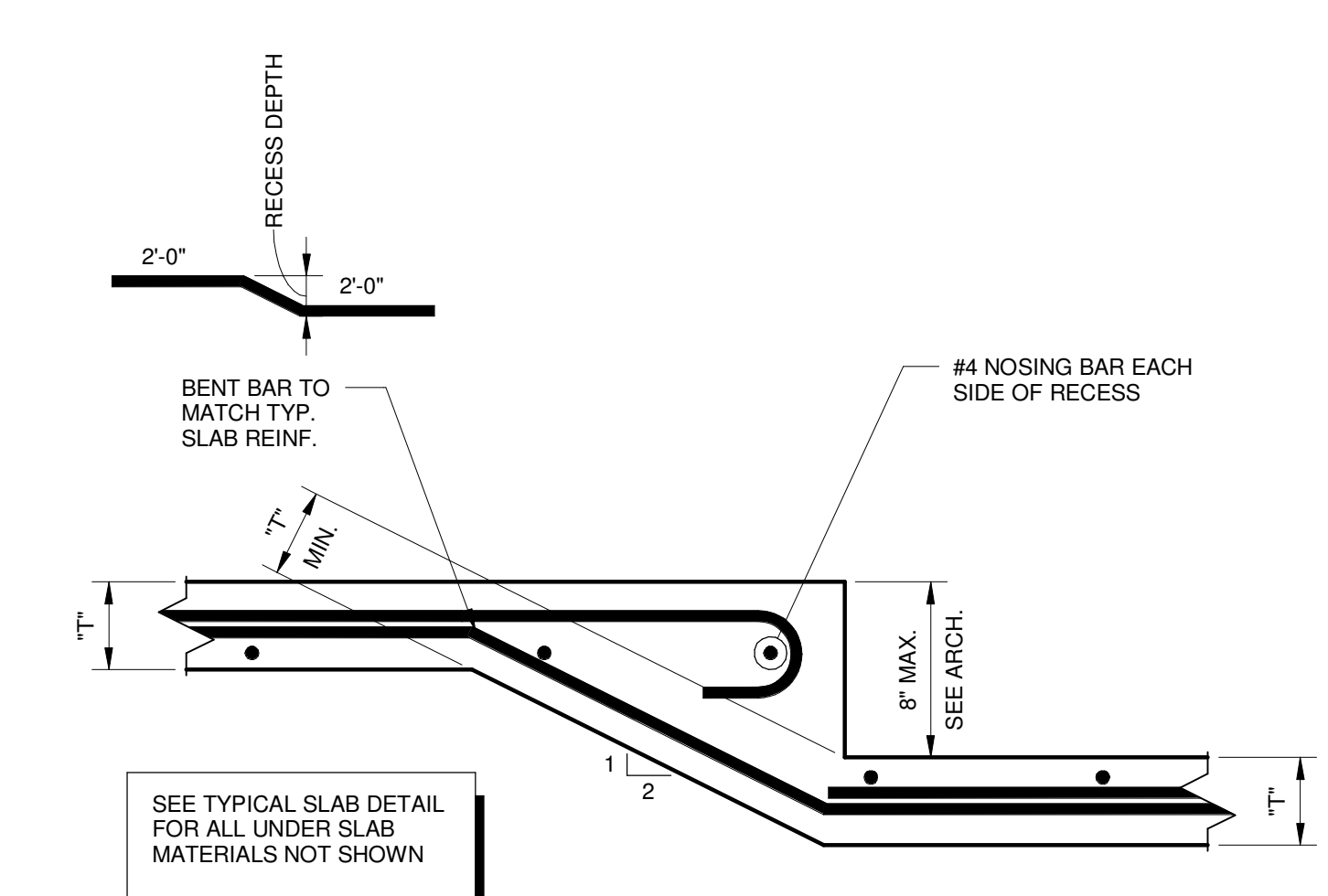
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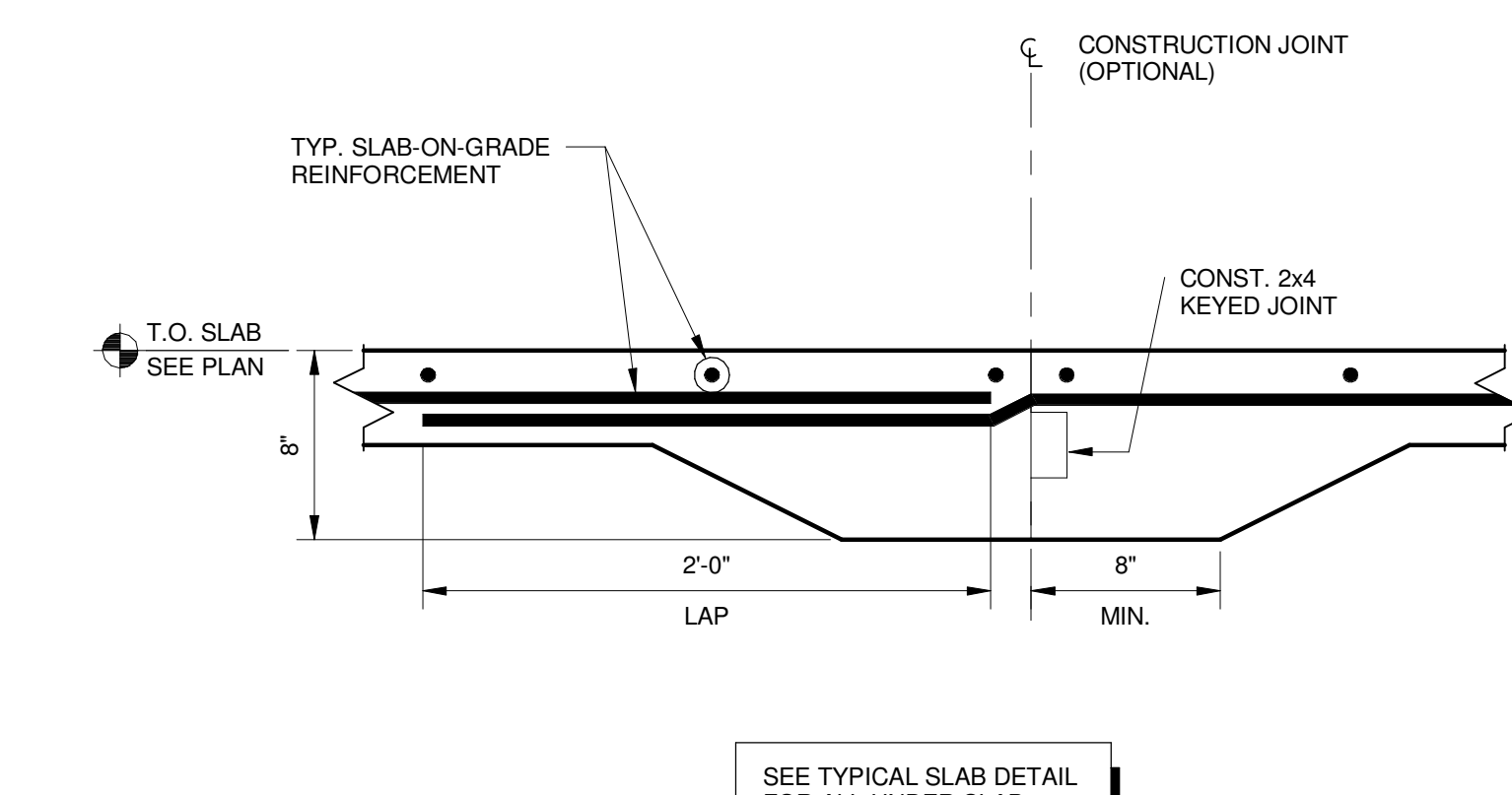
F16 TYPICAL SLAB-ON-GRADE
1 1/2" = 1'-0"



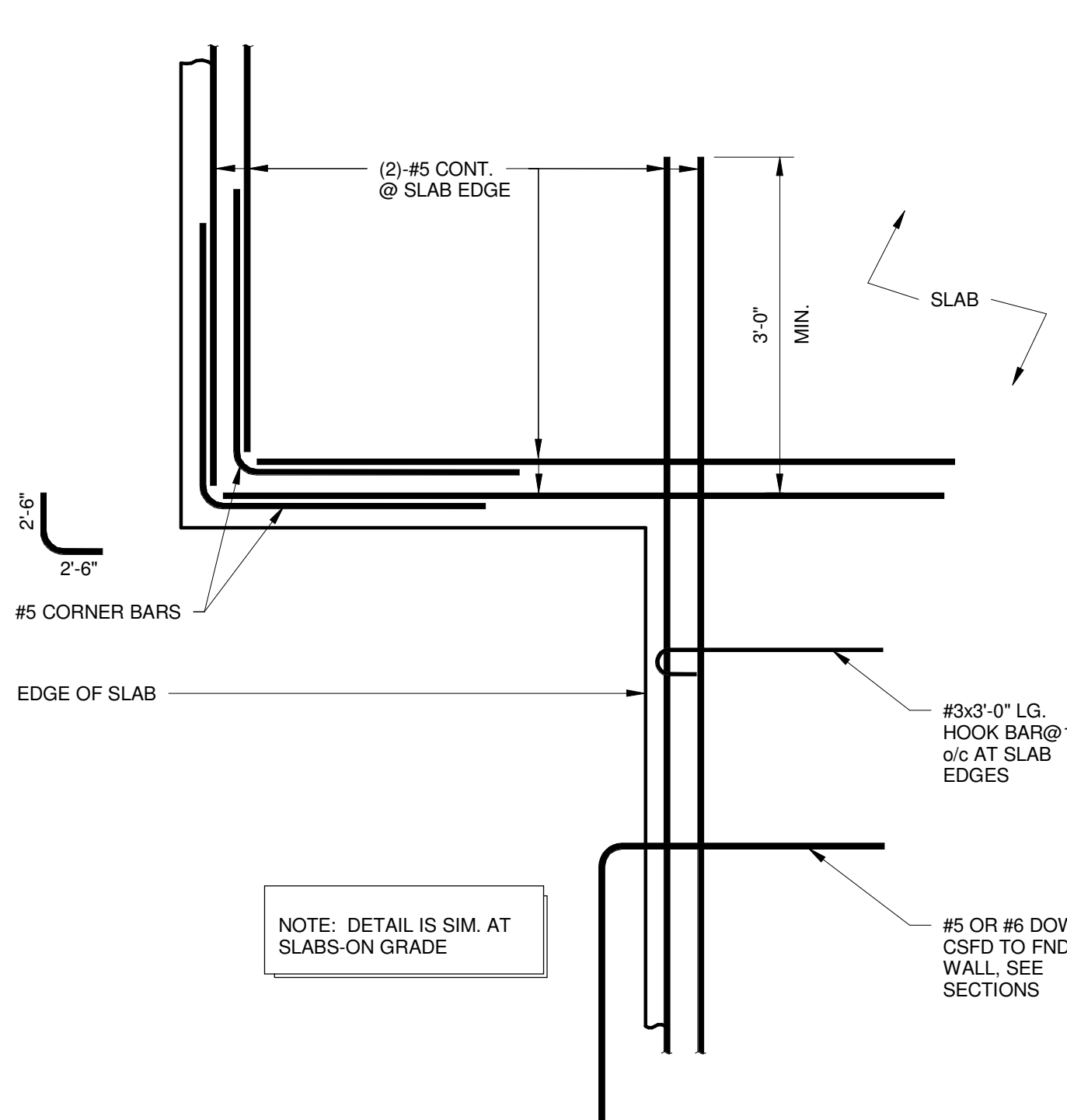
F17 TYPICAL SLAB EDGE
1 1/2" = 1'-0"



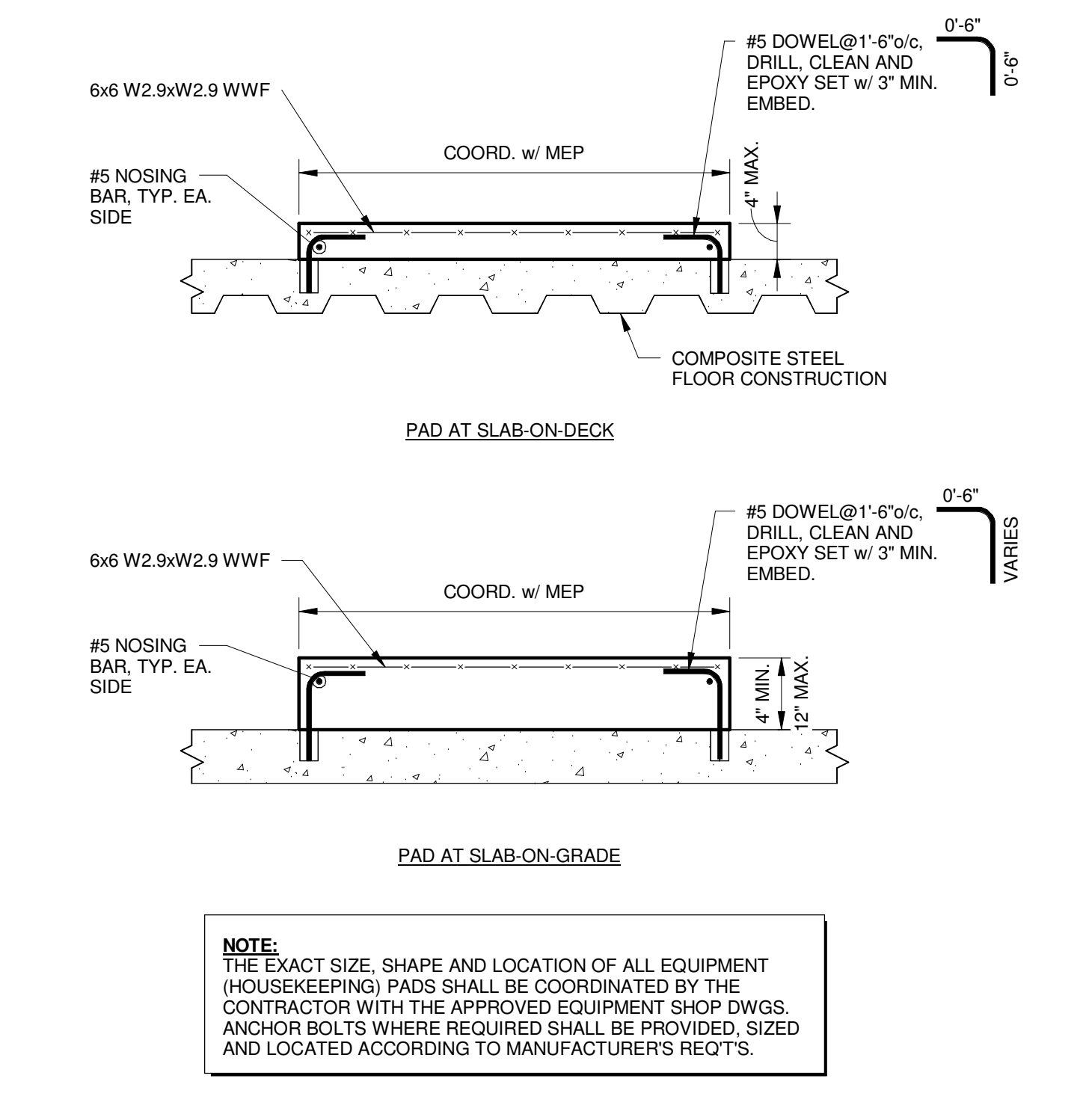
F18 TYPICAL SHALLOW SLAB RECESS
1 1/2" = 1'-0"



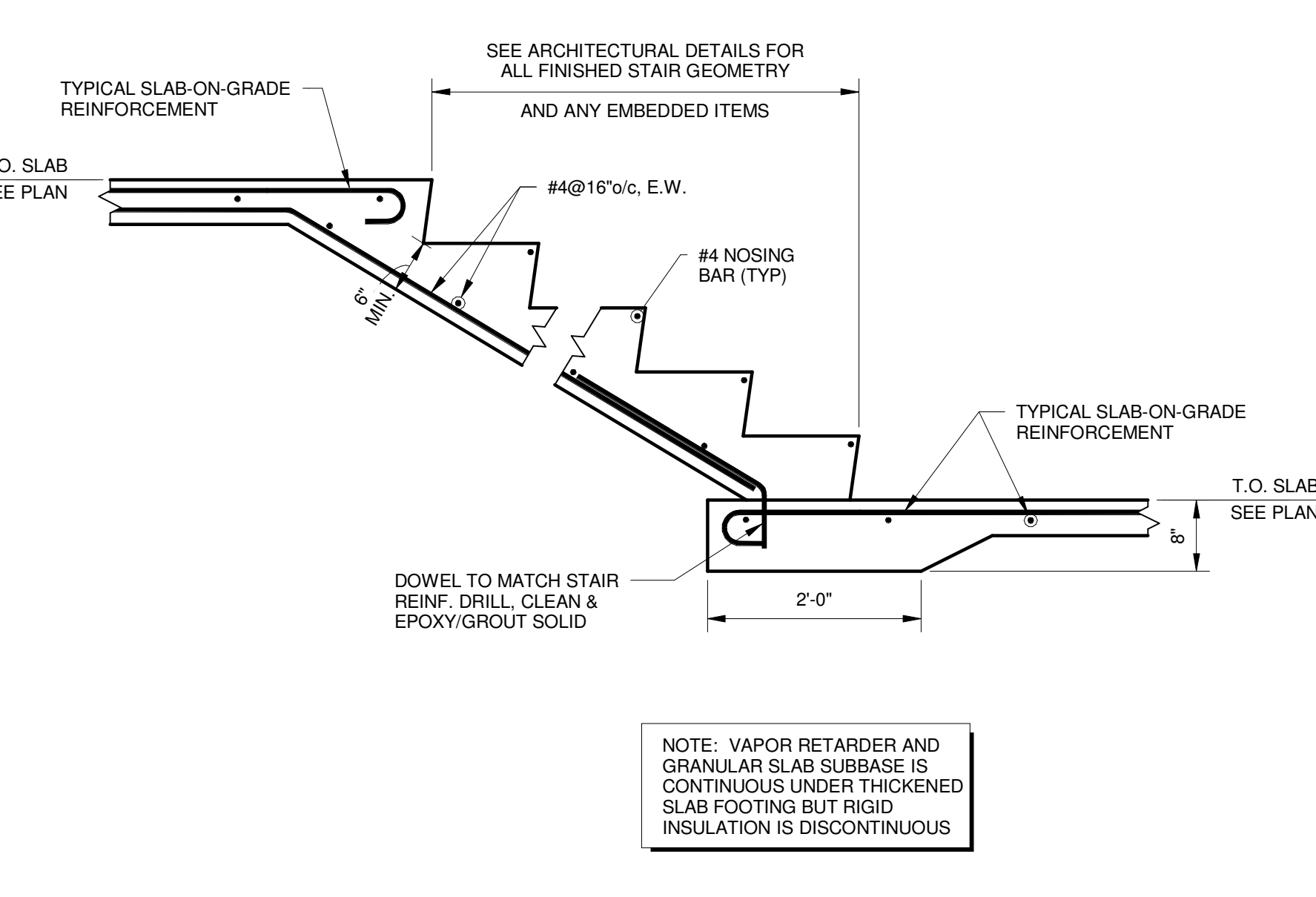
F19 TYPICAL SLAB CONSTRUCTION JOINT
1 1/2" = 1'-0"



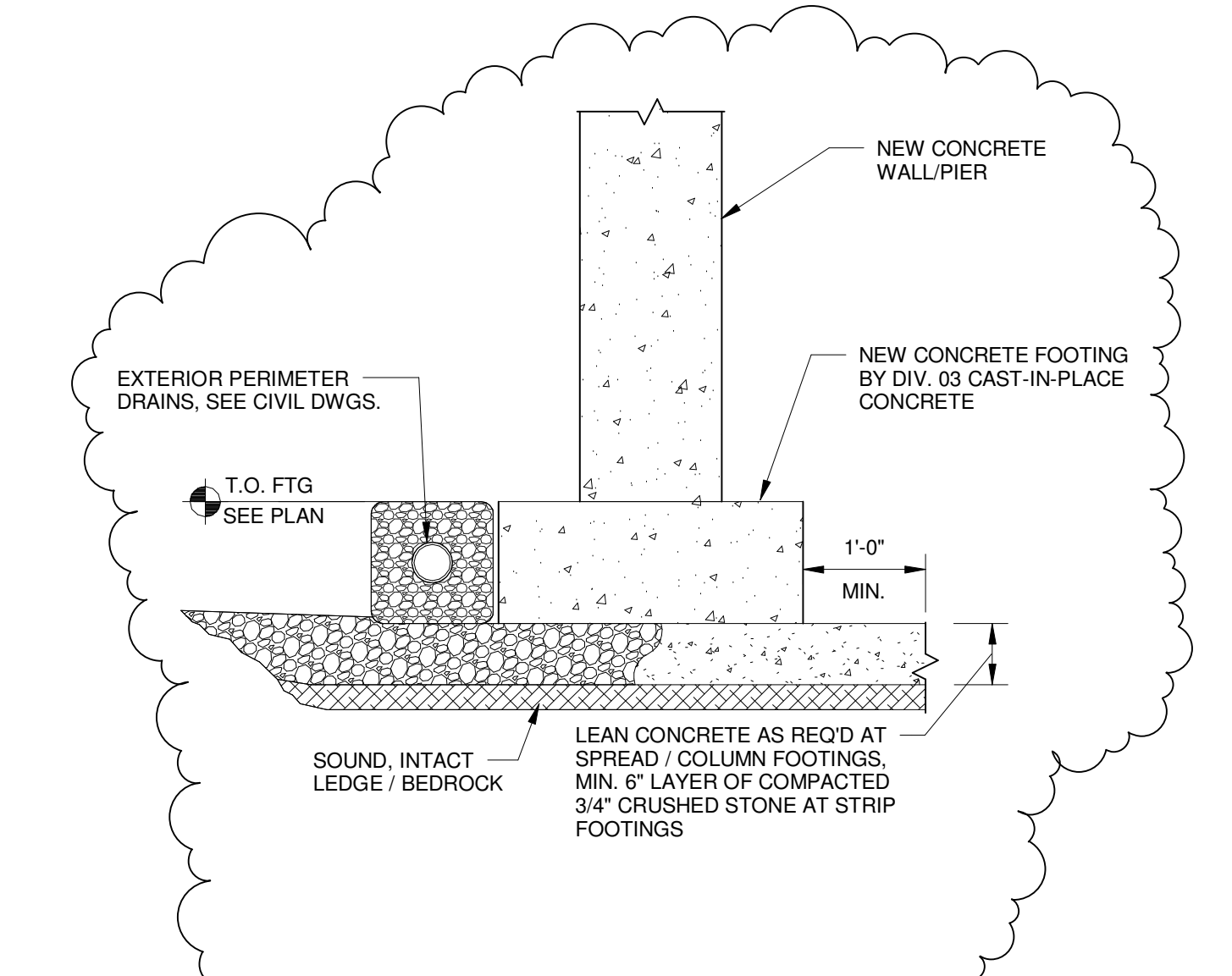
F21 TYPICAL REINFORCEMENT AT SLAB-ON-DECK EDGE
3/4" = 1'-0"



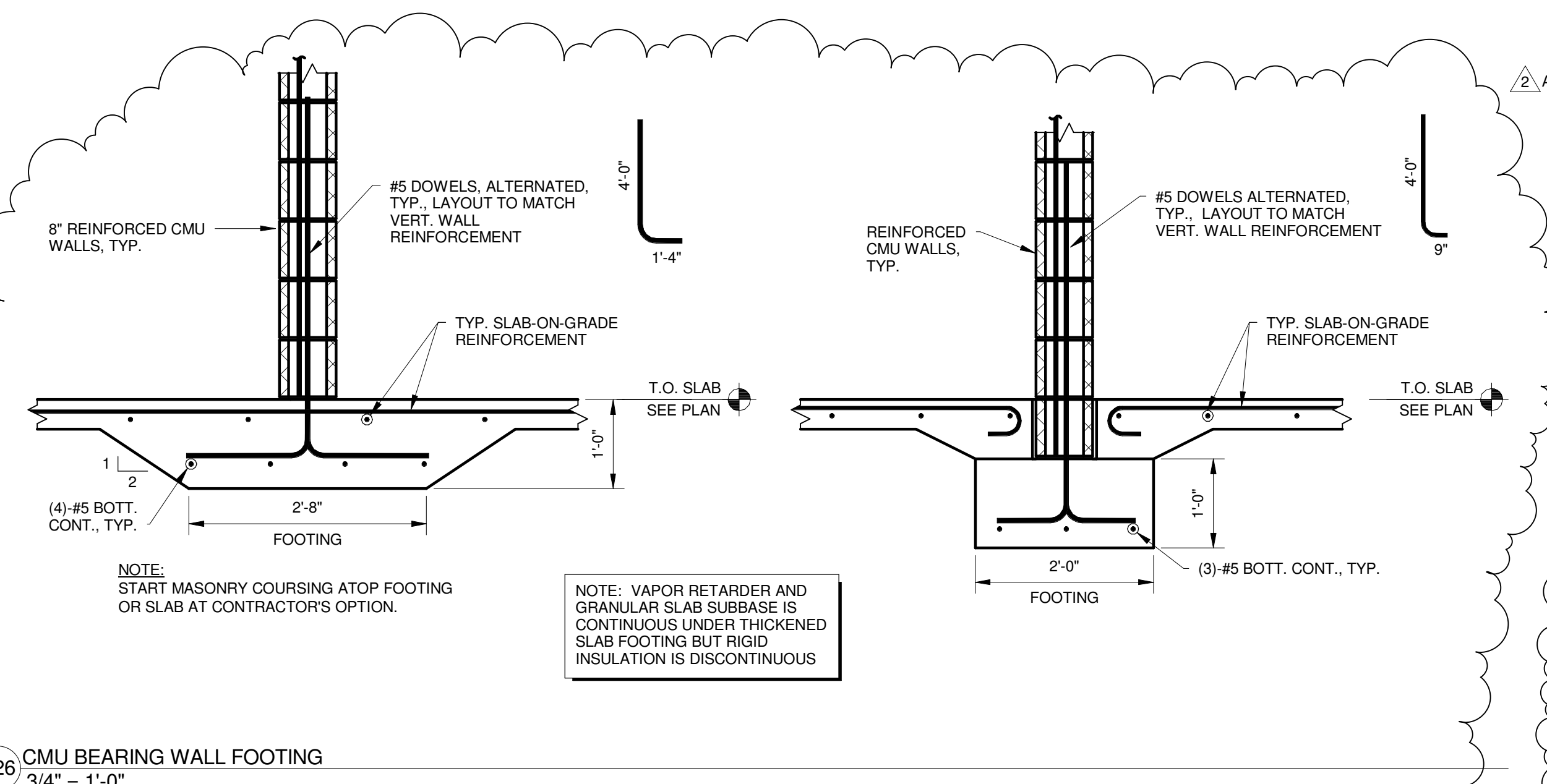
F22 TYPICAL HOUSEKEEPING PADS
3/4" = 1'-0"



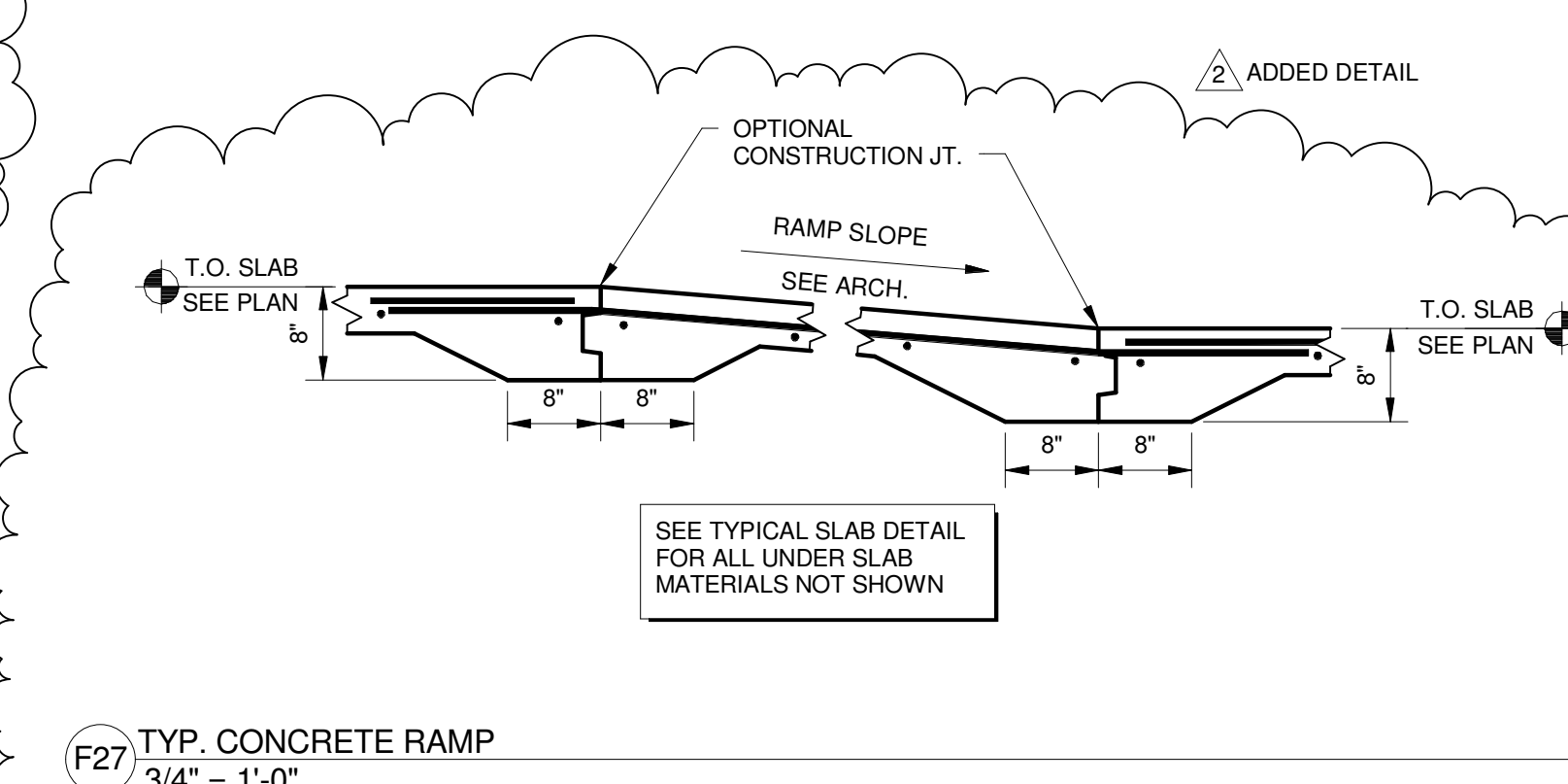
F23 TYPICAL CONCRETE STAIRS
3/4" = 1'-0"



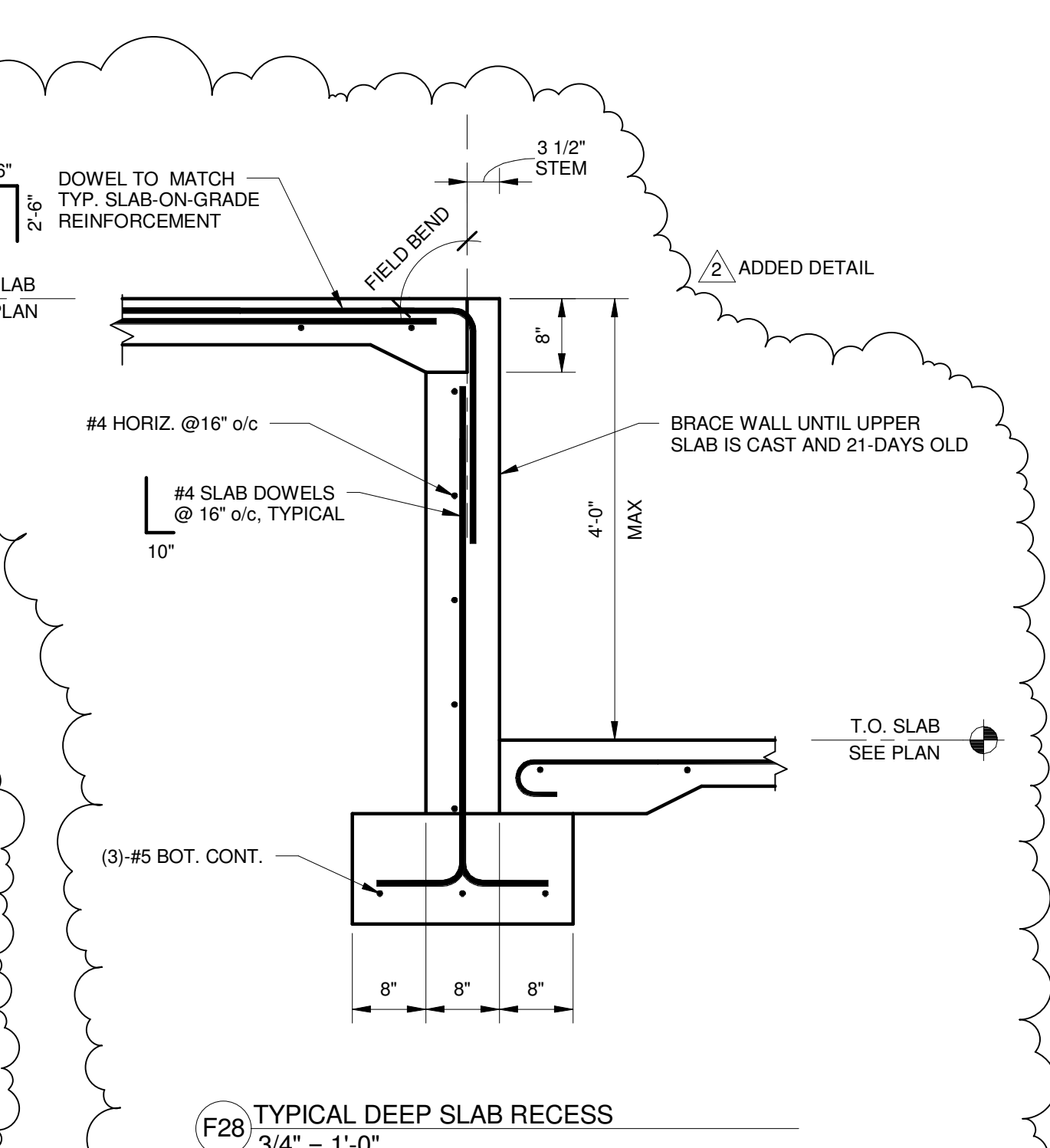
F24 TYPICAL FOOTING ON LEDGE
3/4" = 1'-0"



F26 CMU BEARING WALL FOOTING
3/4" = 1'-0"



F27 TYP. CONCRETE RAMP
3/4" = 1'-0"



F28 TYPICAL DEEP SLAB RECESS
3/4" = 1'-0"

2	CONSTRUCTION DOCUMENTS	01-21-2013
1	NW ENTRY CONSTRUCTION DOCS	10-31-2012
0	NW ENTRY F.S.E CONL. DOCS	08-23-2012
REV.	DESCRIPTION	DATE
CONSTRUCTION DOCUMENTS		
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION		
PROJECT:	PORTLAND, MAINE	
TYPICAL CONCRETE FOUNDATION SECTIONS AND DETAILS		
SHEET TITLE:		
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PROJECT No.:	3757.00	GRAPHIC SCALE: 0'
SCALE:	As indicated	1"
PROJECT MANAGER:	JRB	SHEET No.
DRAWN BY:	ARW	S3.01
CHECKED BY:	JPP	

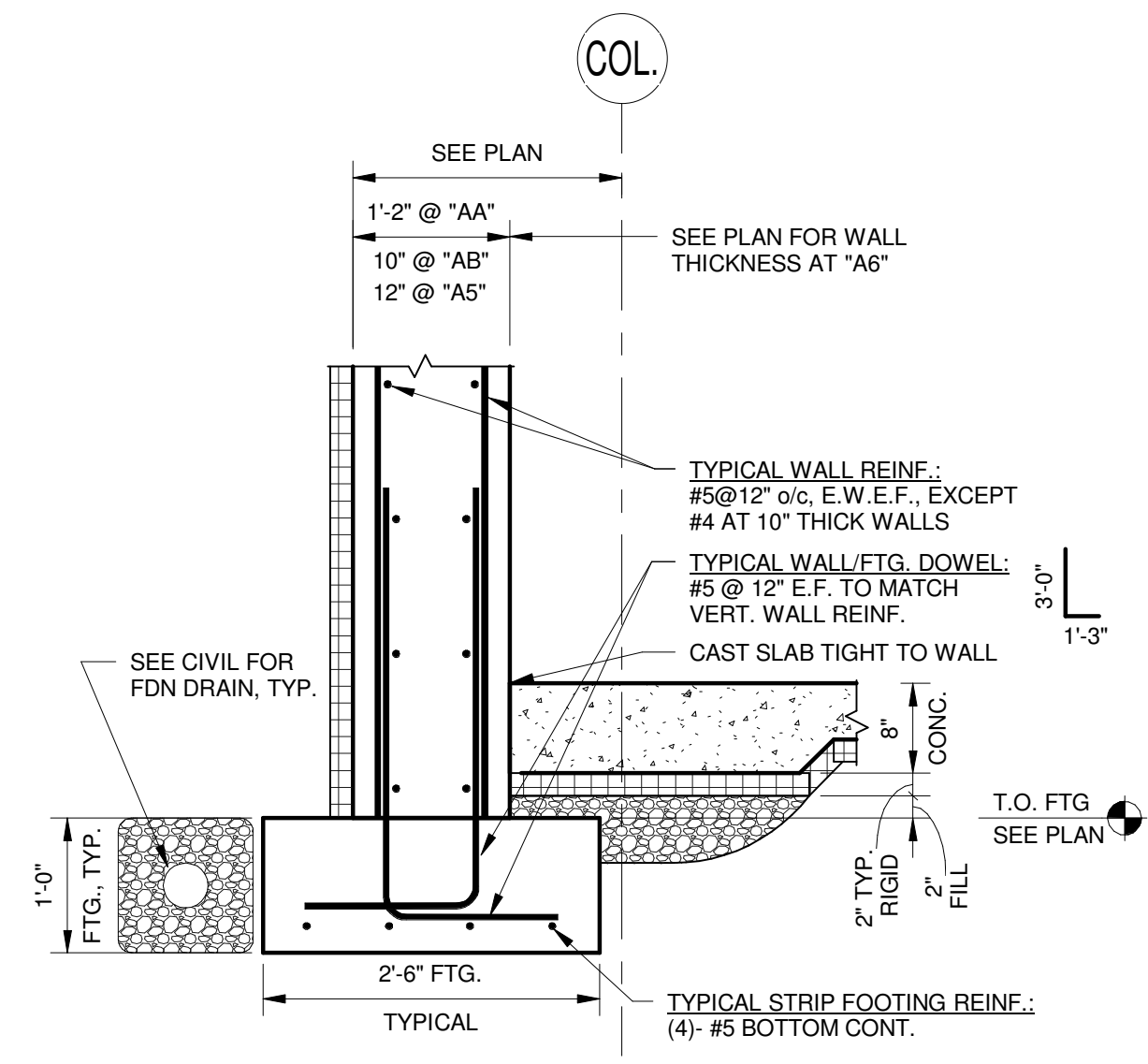
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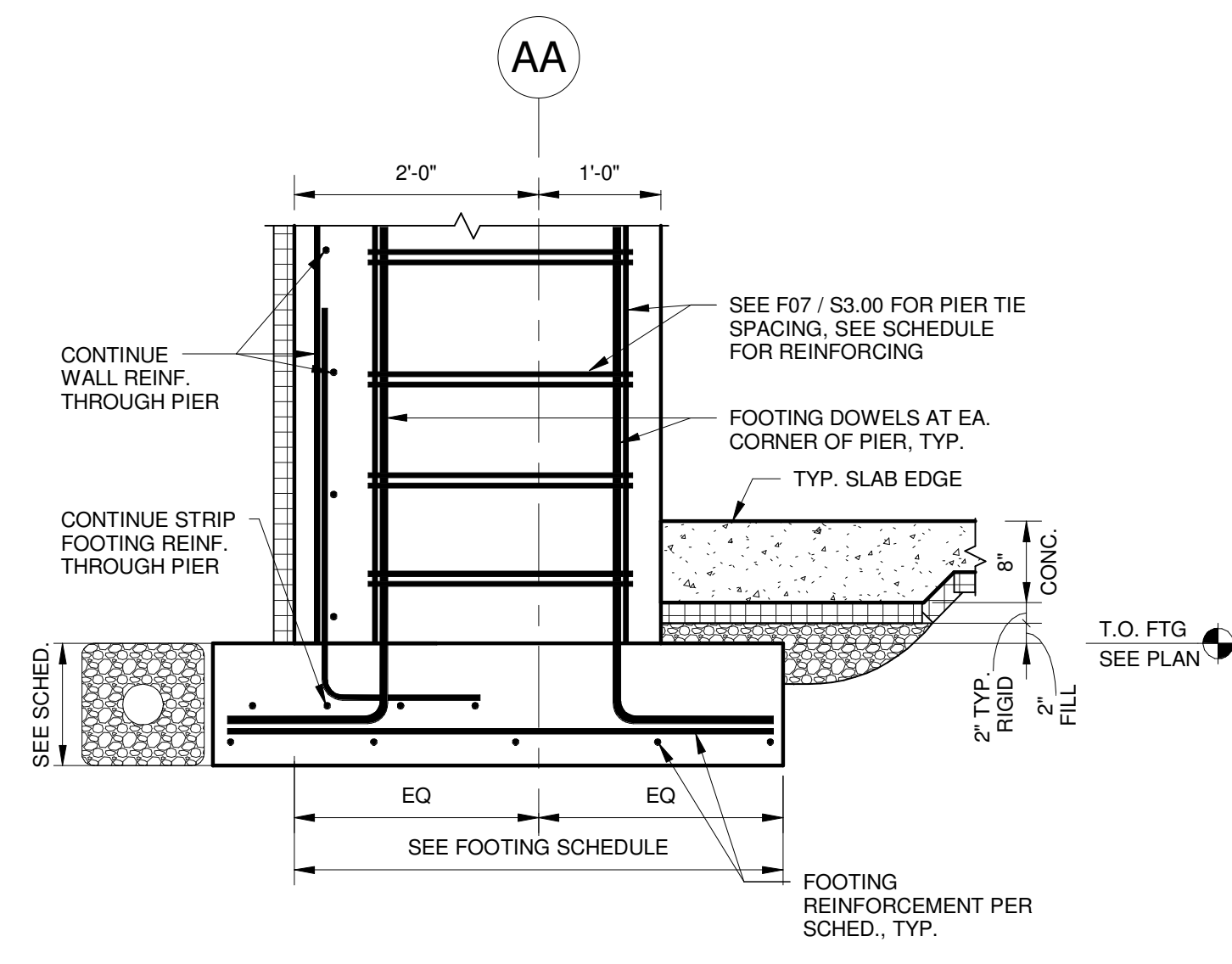
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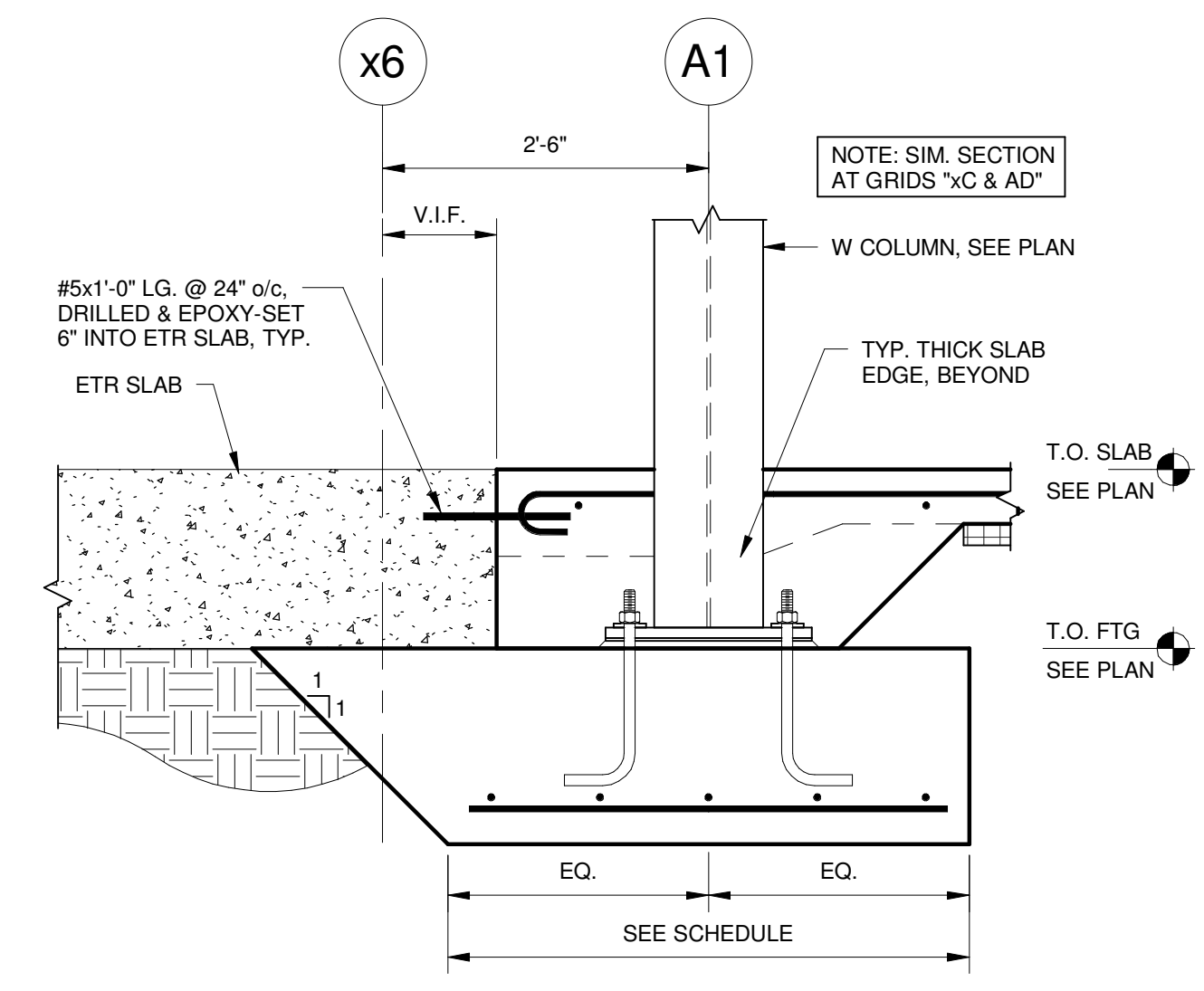
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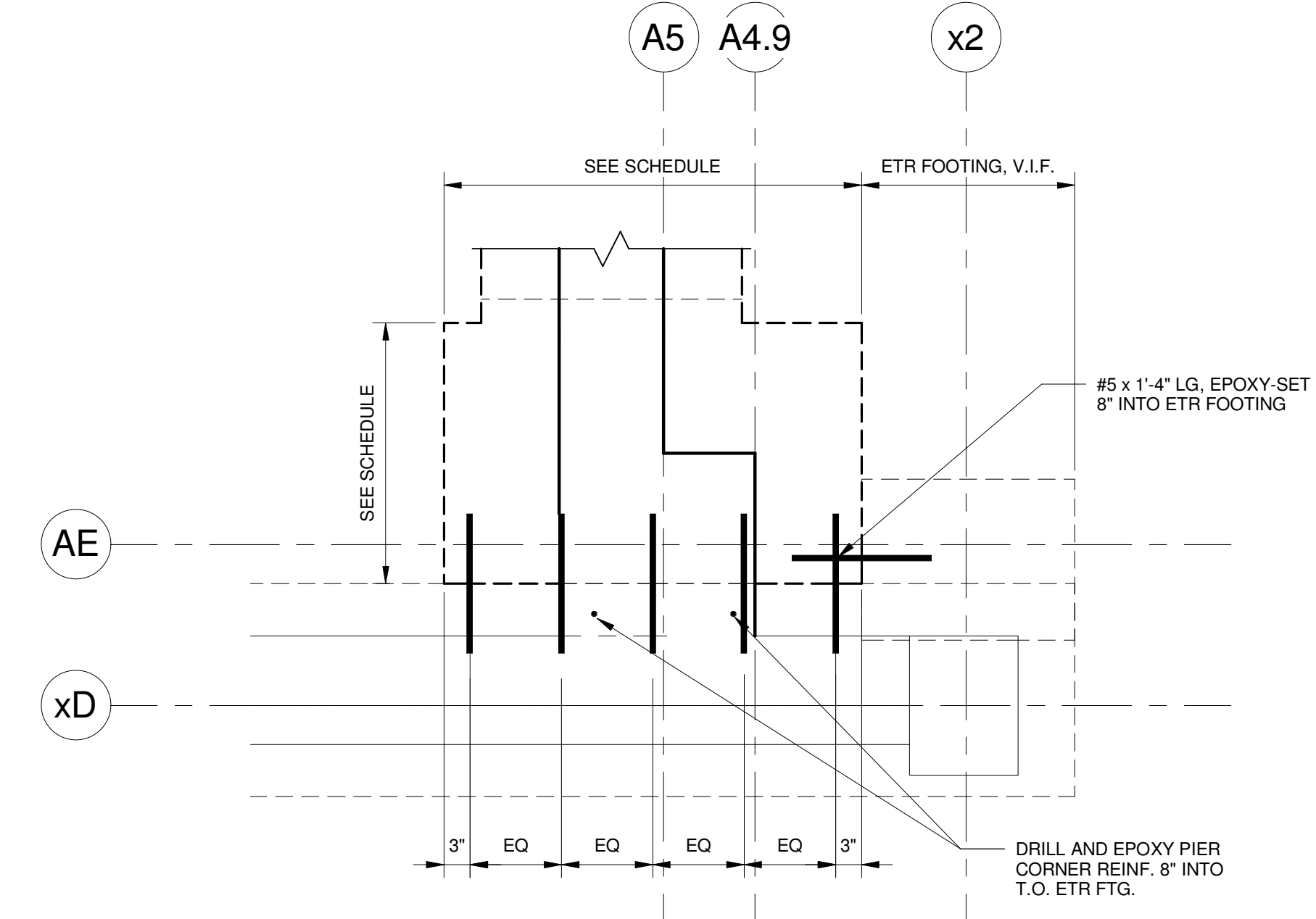
F31 SECTION
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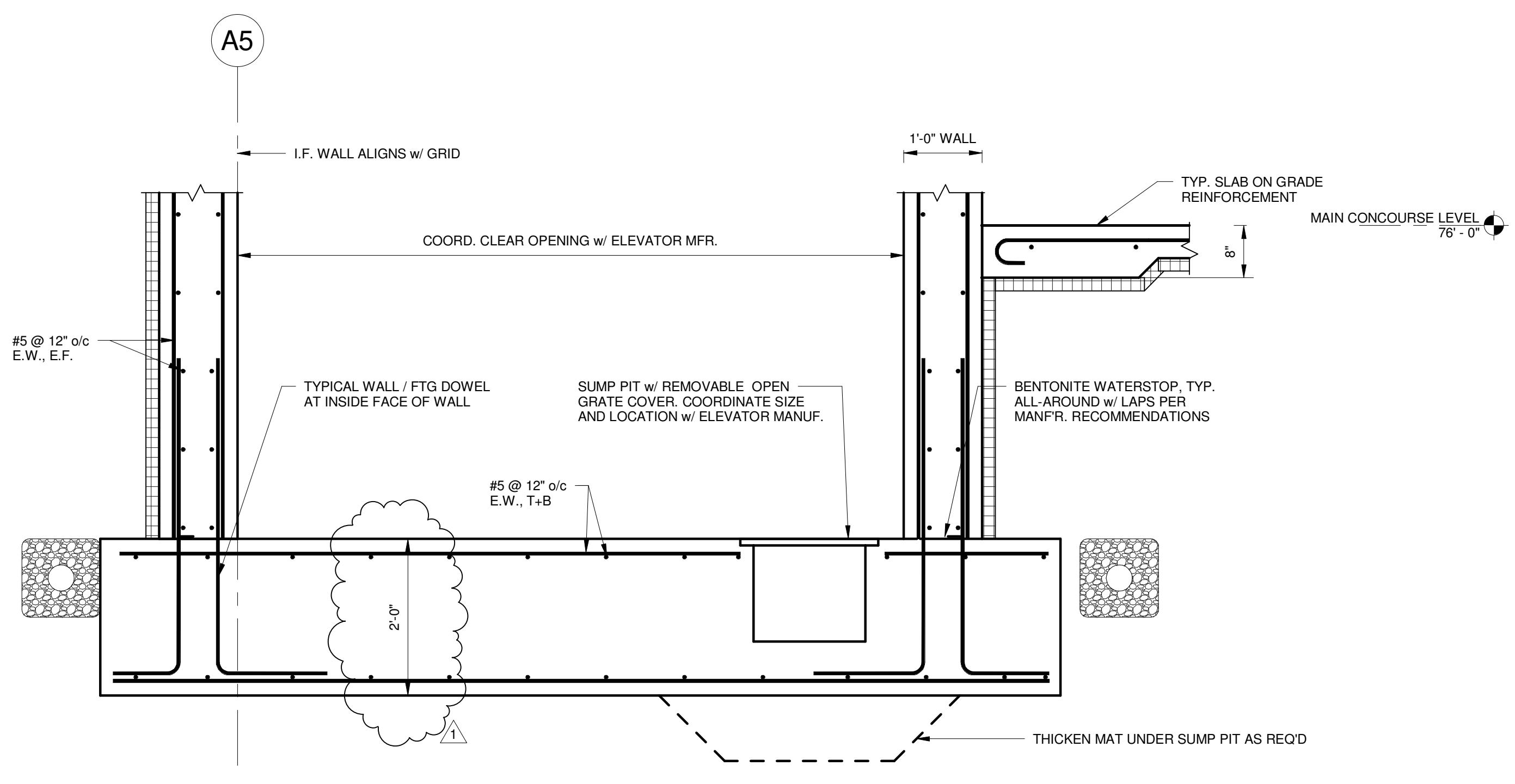
F32 SECTION
3/4" = 1'-0"



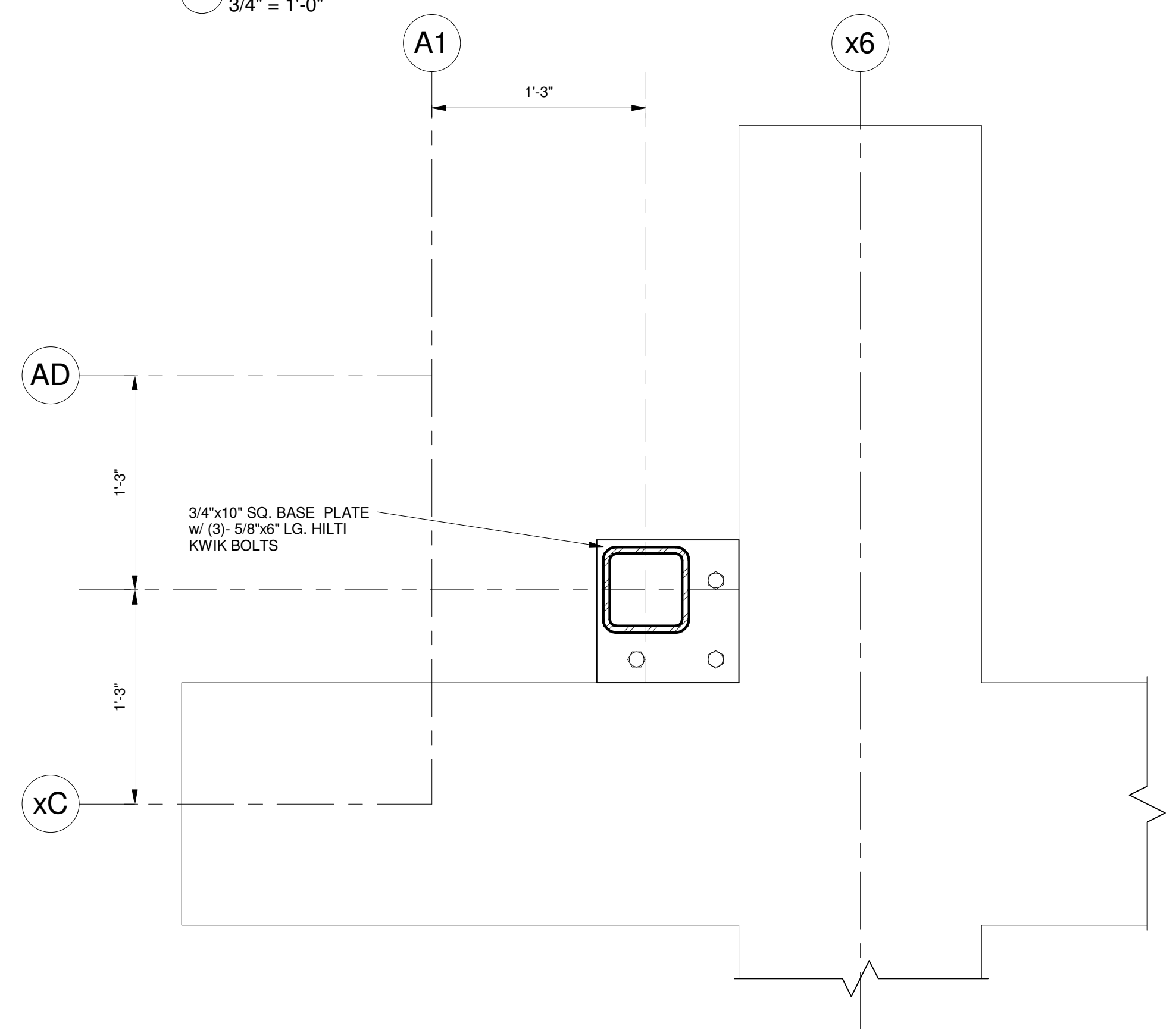
F33 SECTION
3/4" = 1'-0"



F34 DETAIL
3/4" = 1'-0"



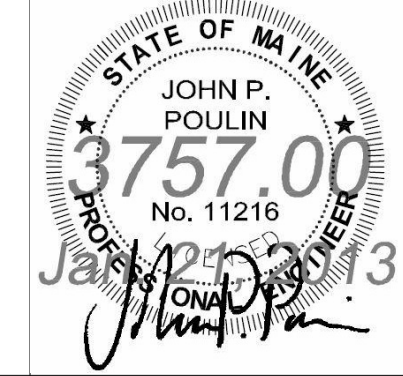
F36 SECTION
3/4" = 1'-0"



F37 DETAIL
1 1/2" = 1'-0"

3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	RFIR #1	09-05-2012
0	NW ENTRY F.S.E. CONL. DOCS	08-23-2012
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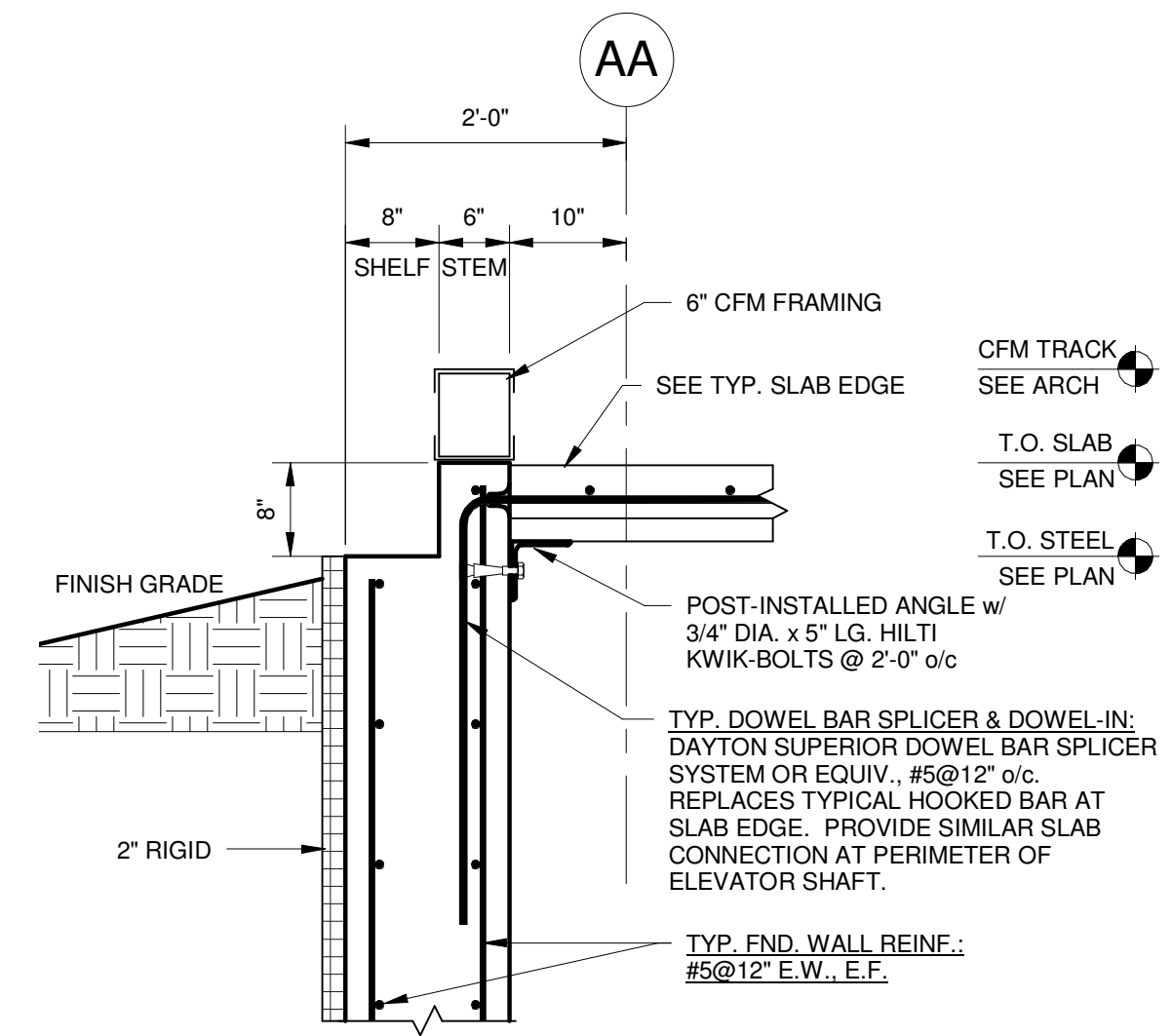
CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

CONCRETE FOUNDATION SECTIONS AND DETAILS

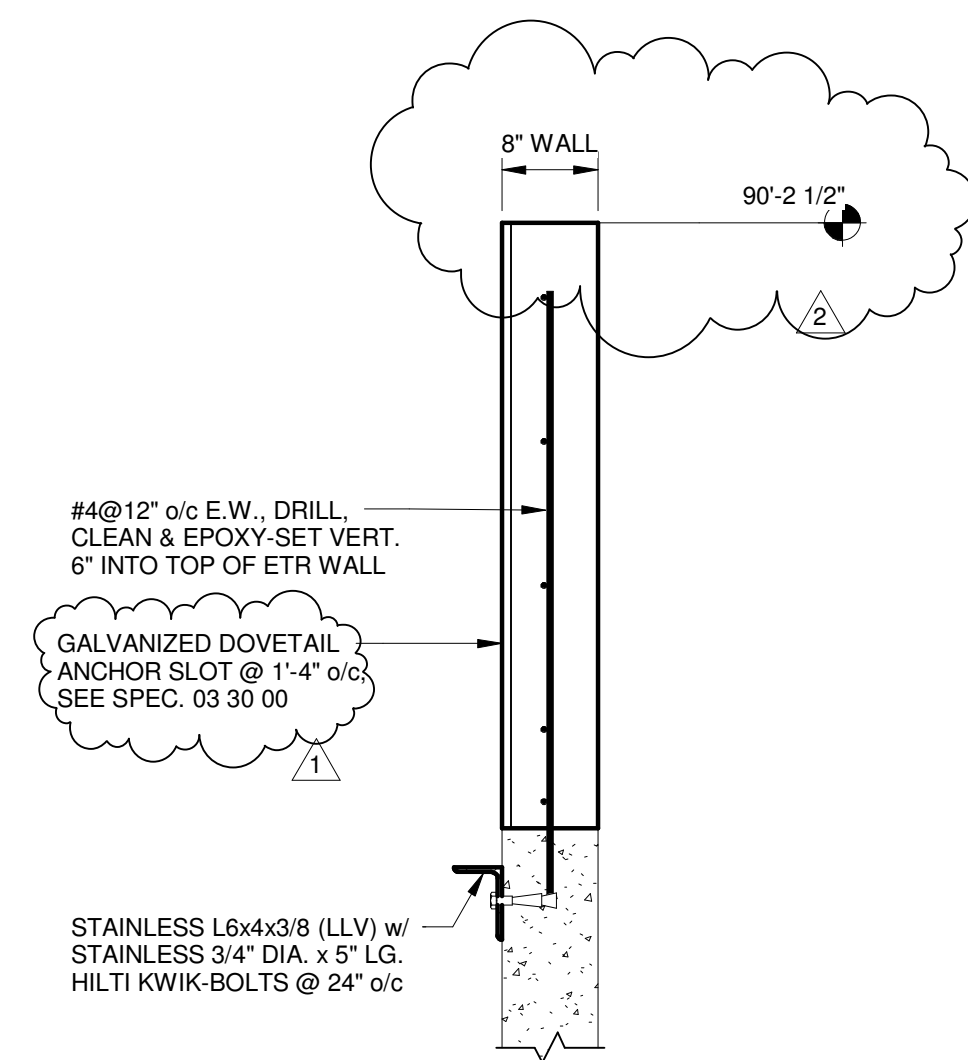
PROJECT No.	3757.00	GRAPHIC SCALE	0'
SCALE	As indicated		1'
PROJECT MANAGER	JRB	SHEET No.	
DRAWN BY	ADB		
CHECKED BY	JPP		

S3.02

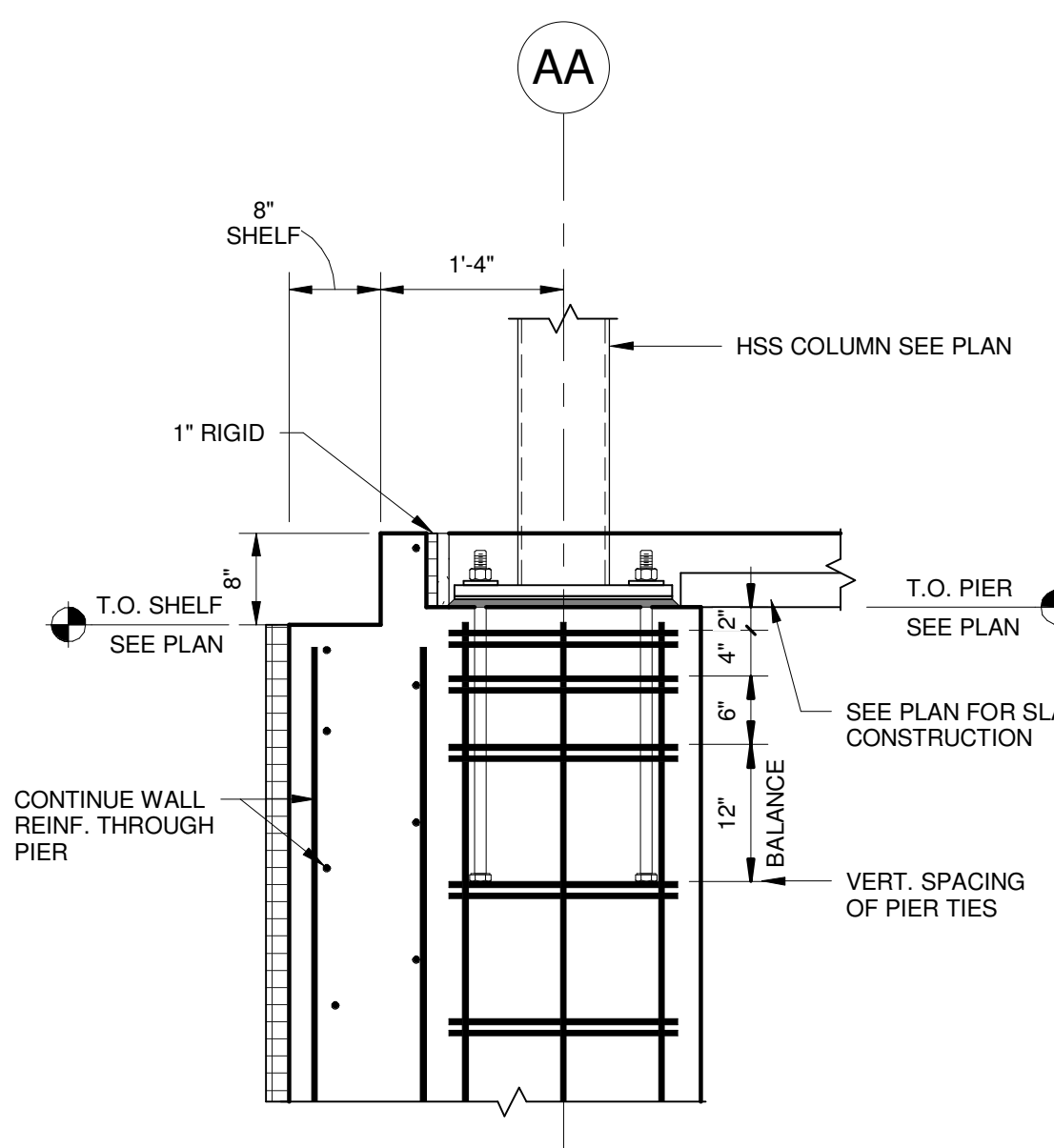
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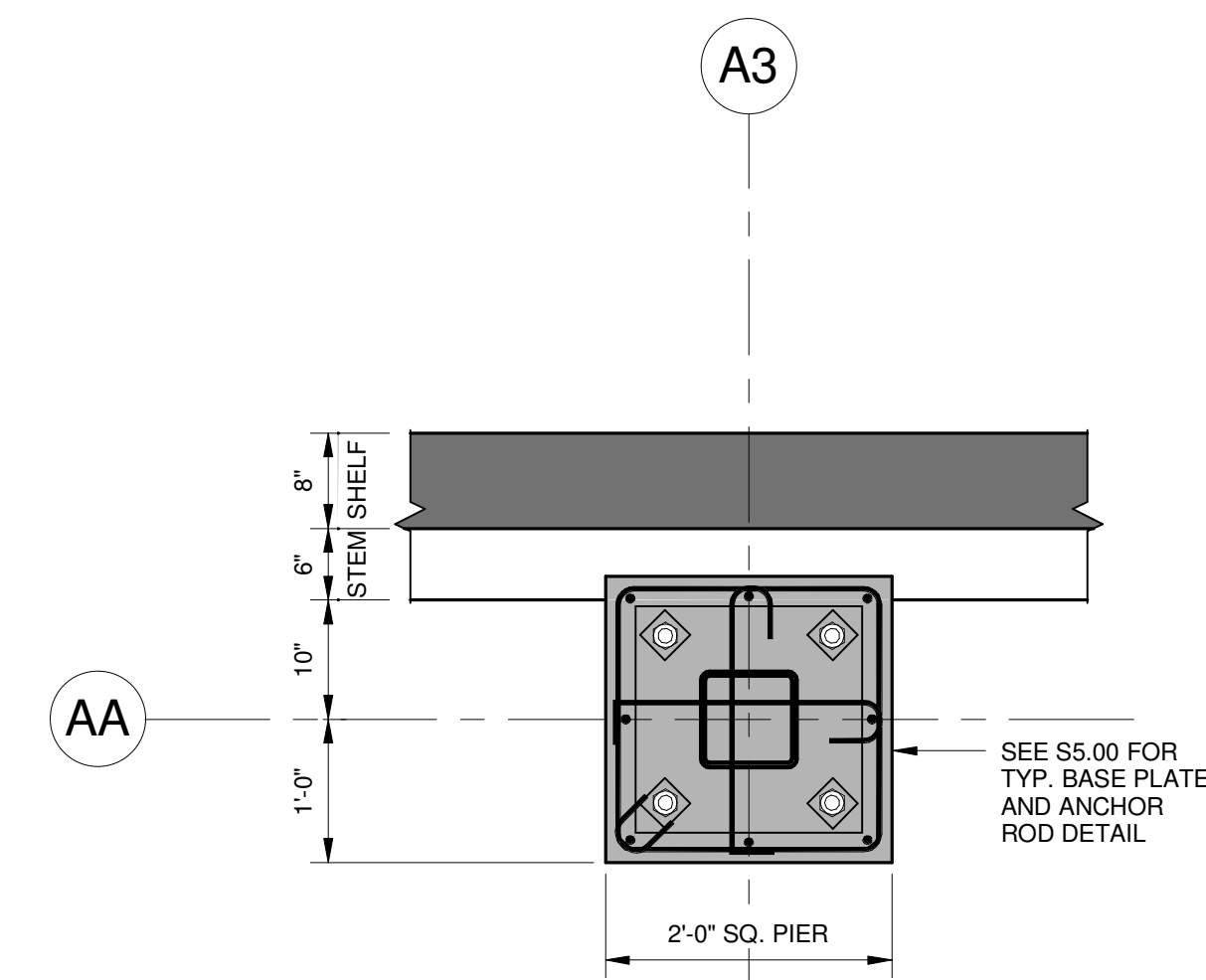
F46 SECTION
3/4" = 1'-0"



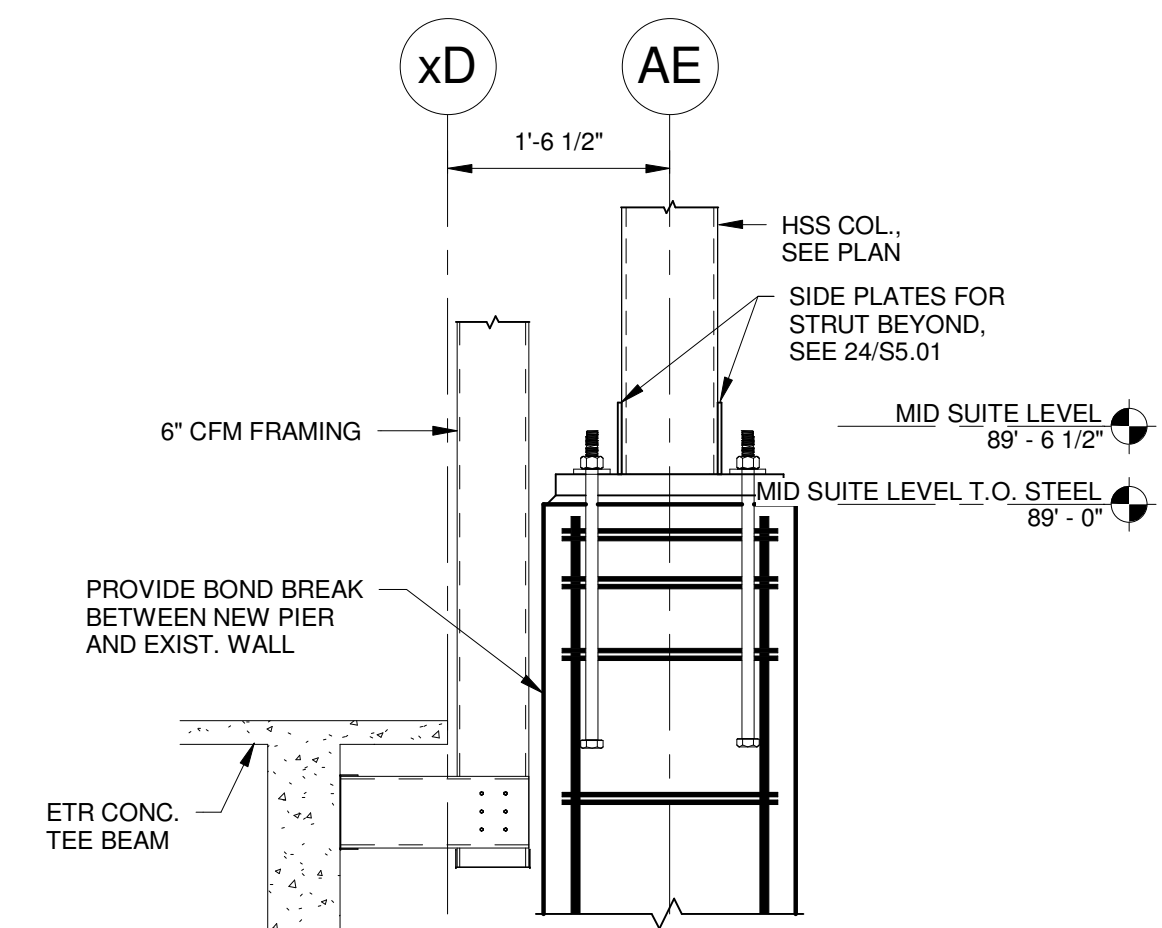
F47 SECTION
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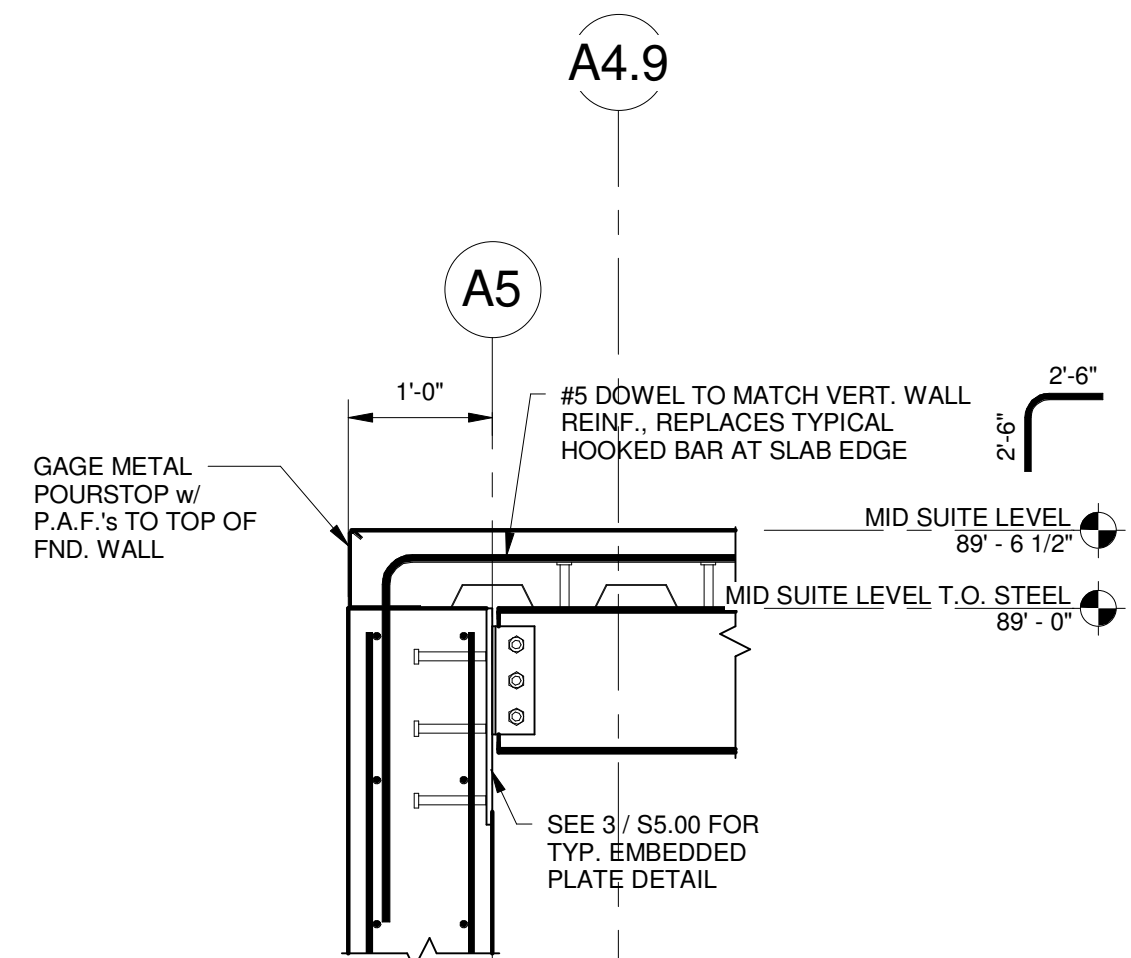
F48 SECTION
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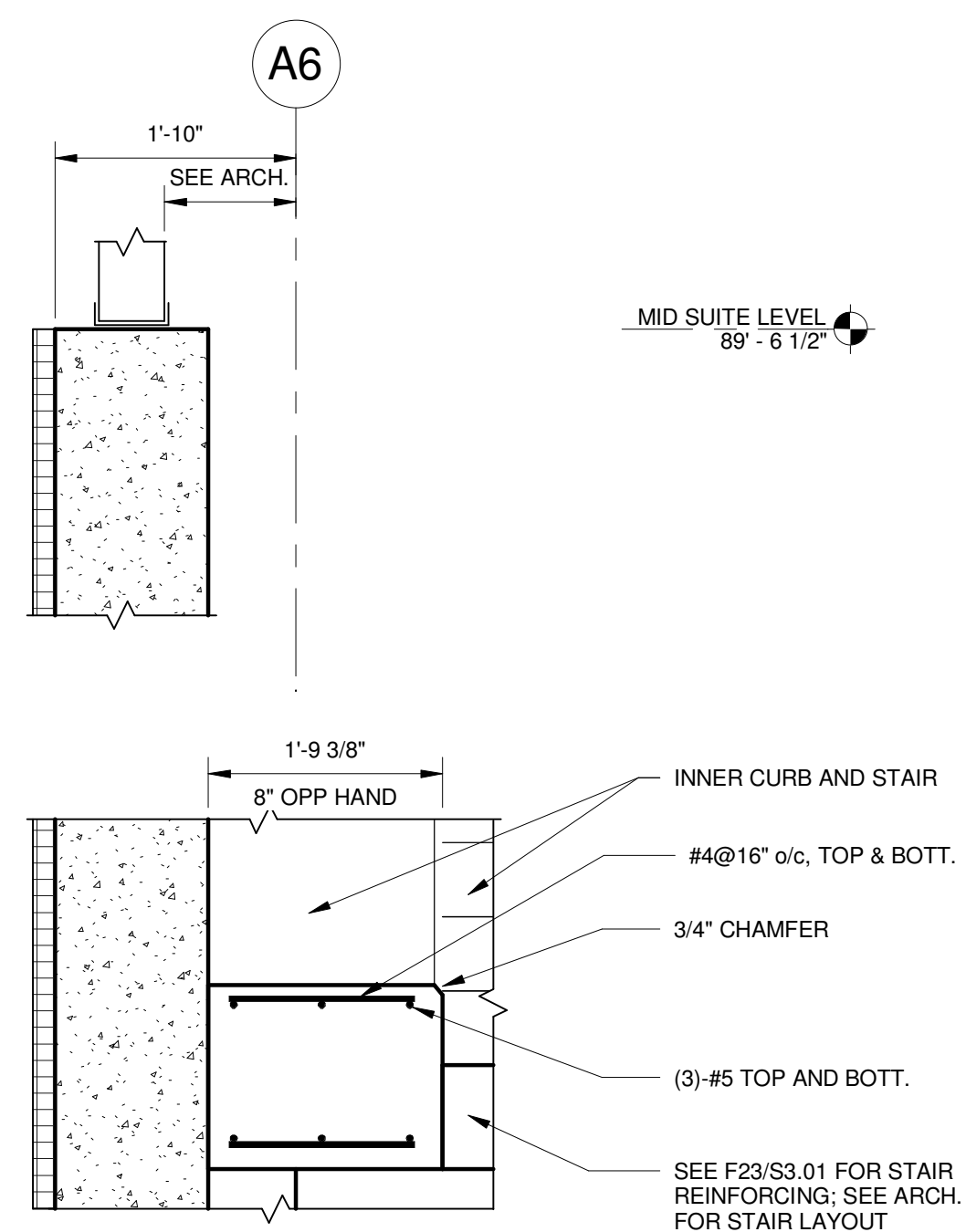
F49 DETAIL
3/4" = 1'-0"



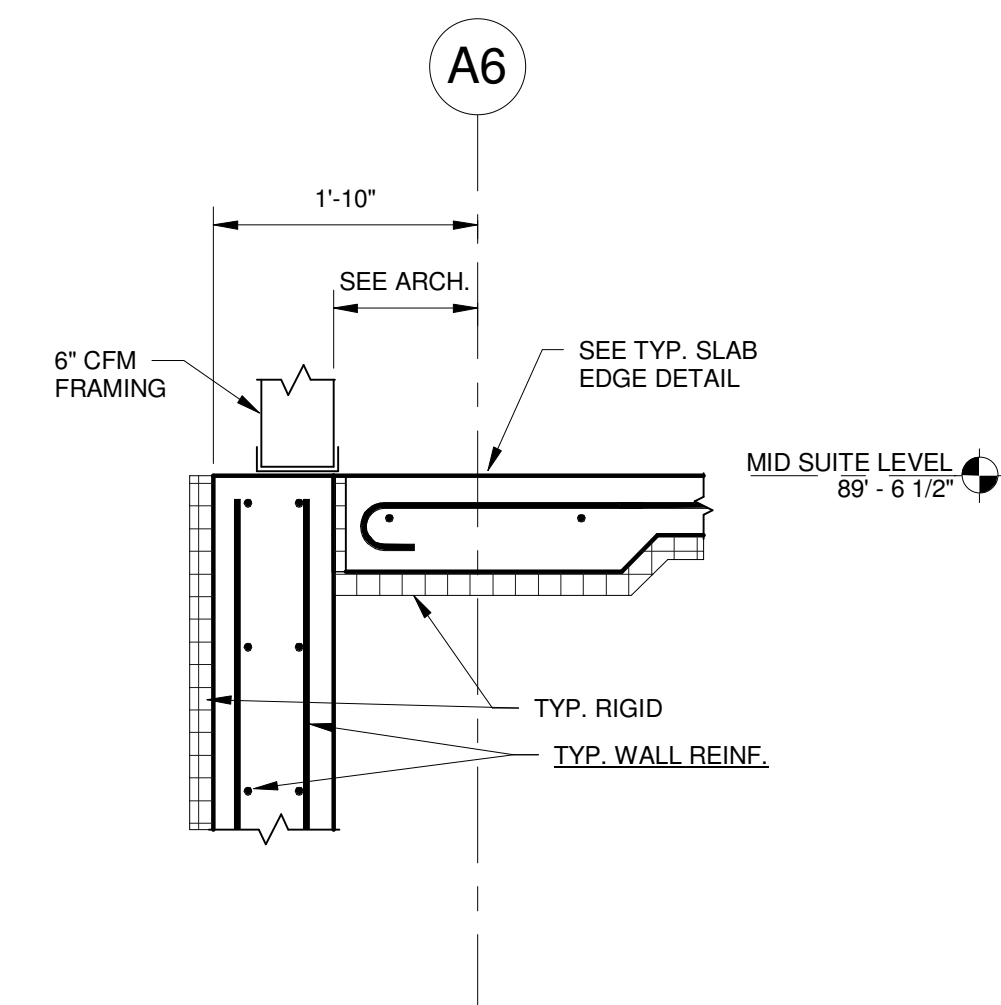
F51 SECTION
3/4" = 1'-0"



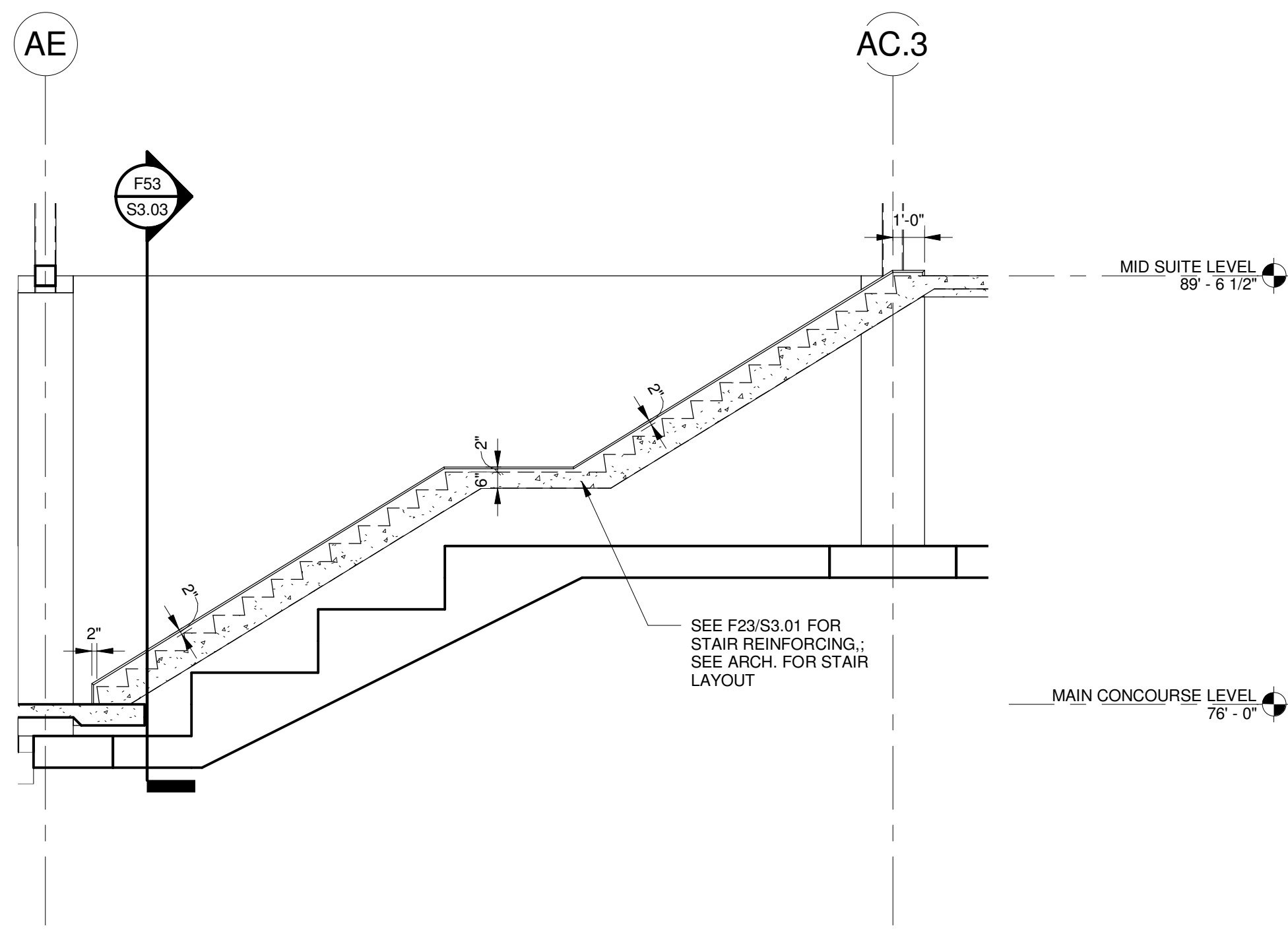
F52 SECTION
3/4" = 1'-0"



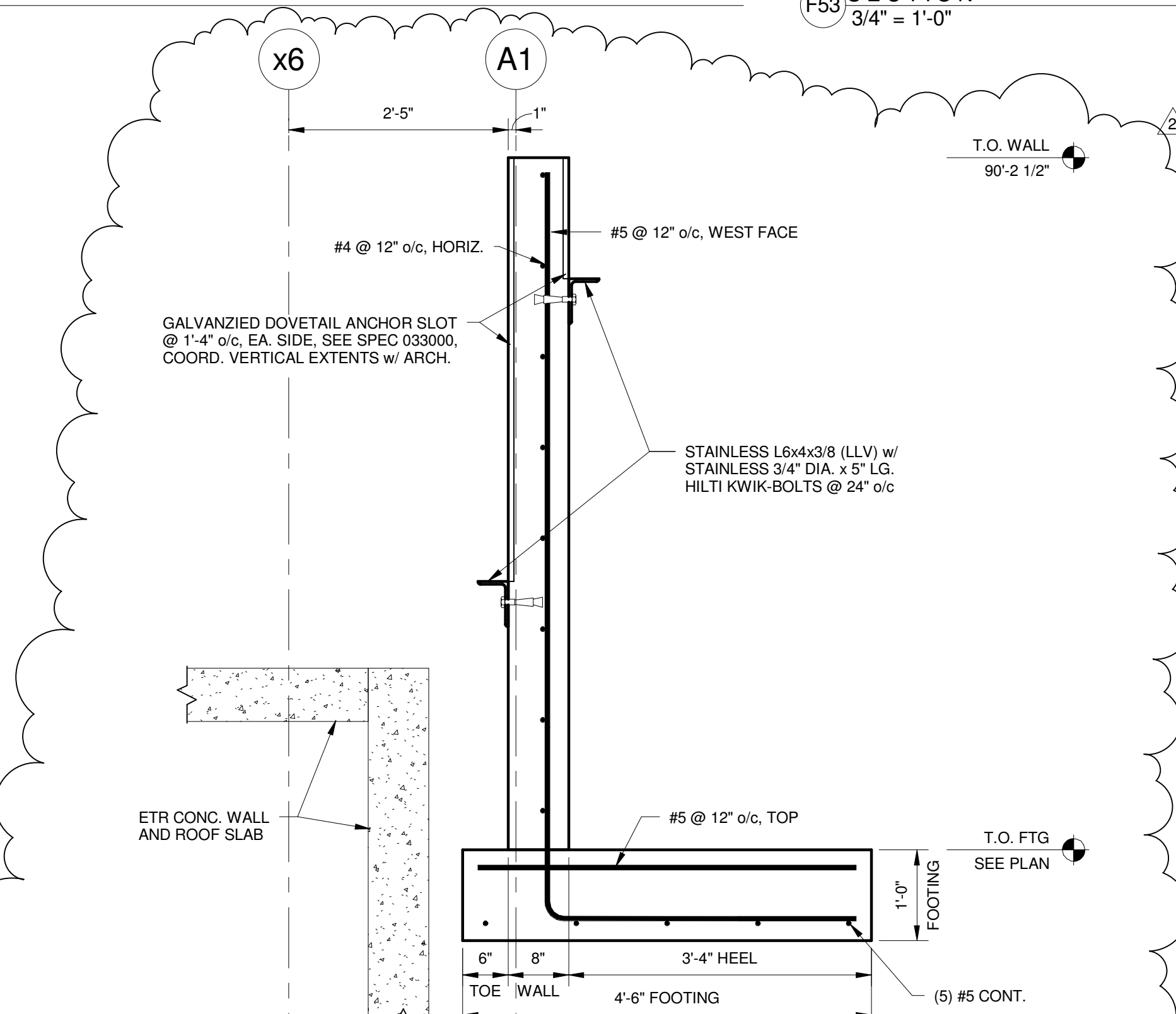
F53 SECTION
3/4" = 1'-0"



F54 SECTION
3/4" = 1'-0"



F56 ELEVATION
1/4" = 1'-0"

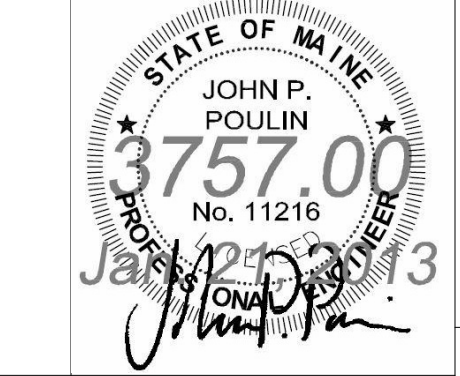


F57 SECTION
3/4" = 1'-0"

NO CHANGE

REV.	DESCRIPTION	DATE
4	CONSTRUCTION DOCUMENTS	01-21-2013
3	NW ENTRY CONSTRUCTION DOCS	10-31-2012
2	ADDENDUM #2	09-21-2012
1	RFIR #1	09-05-2012
0	NW ENTRY F.S.E. CON. DOCS	08-23-2012

CONSTRUCTION DOCUMENTS
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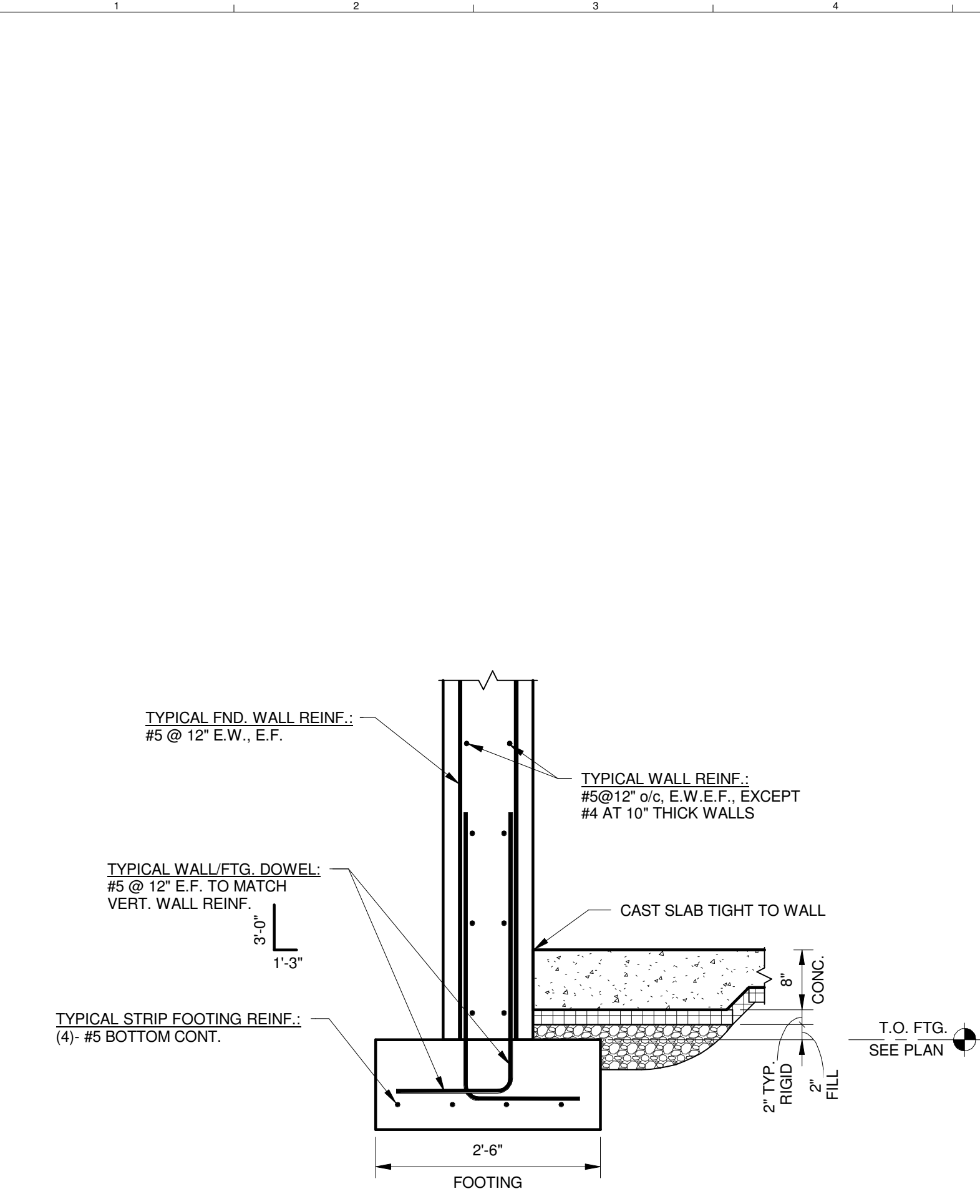
CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

CONCRETE FOUNDATION SECTIONS AND DETAILS

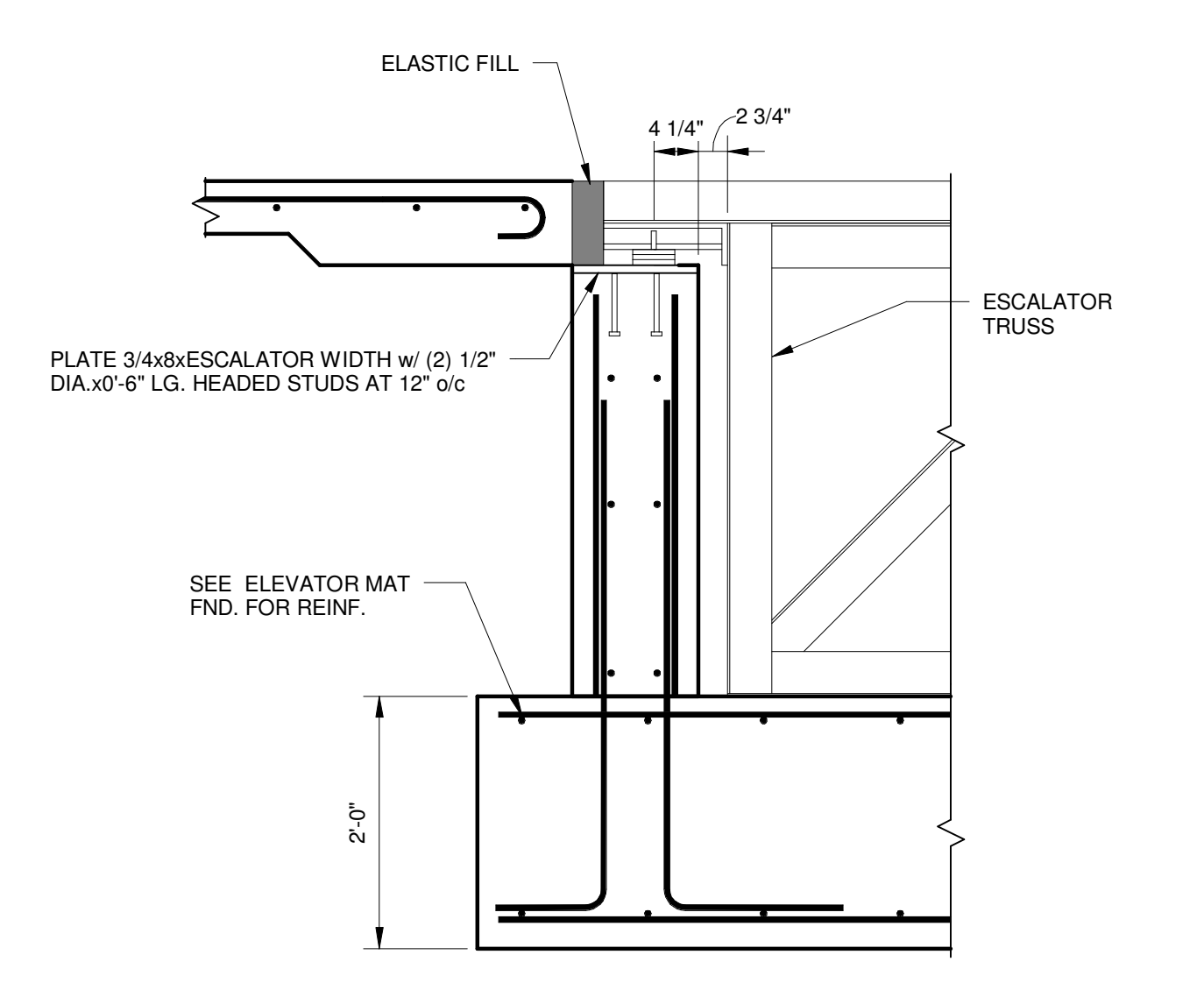
PROJECT No.	GRAPHIC SCALE
3757.00	0'
As indicated	1'
PROJECT MANAGER: JRB	SHEET No.
DRAWN BY: ADB	S3.03
CHECKED BY: JPP	

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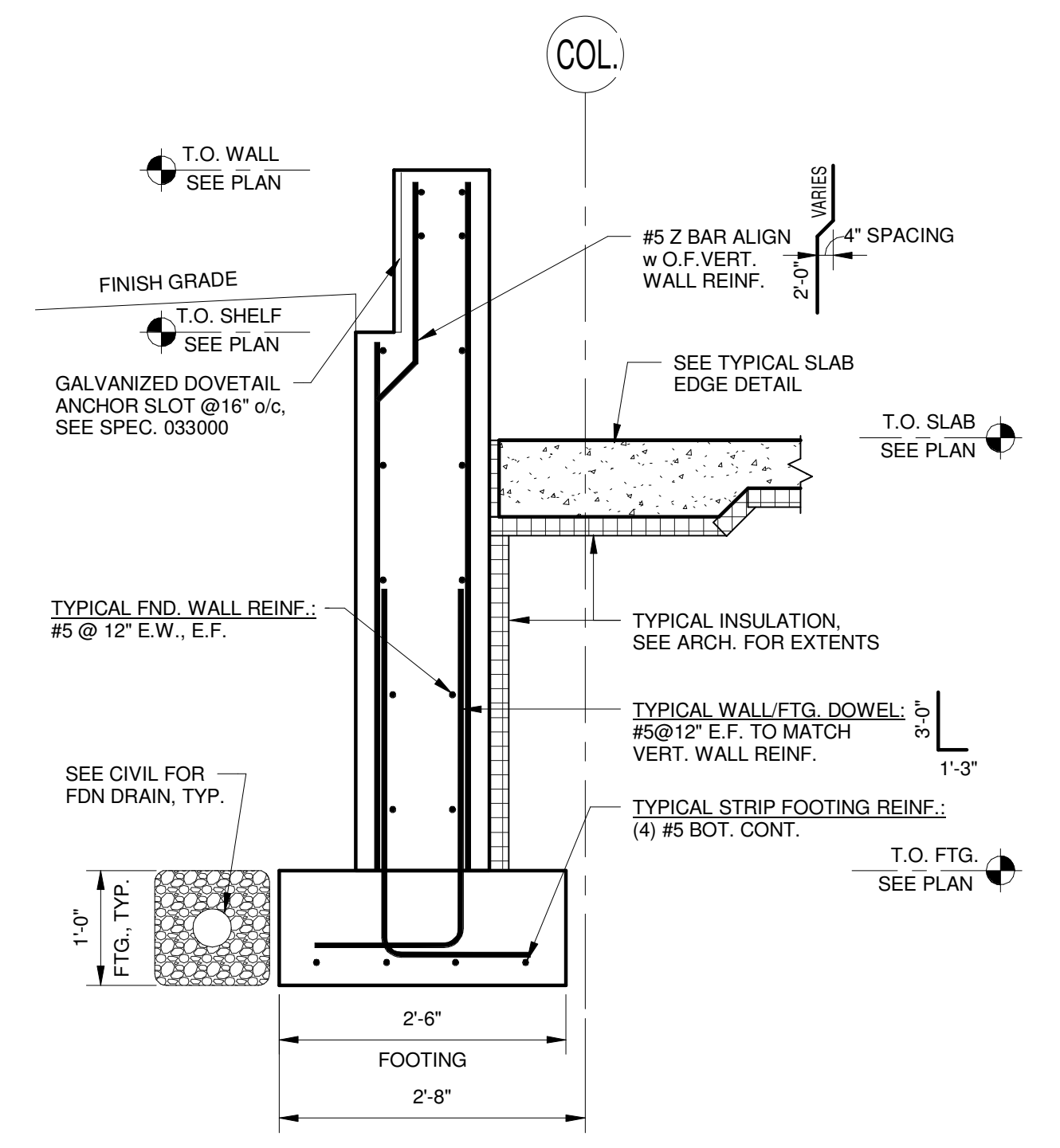
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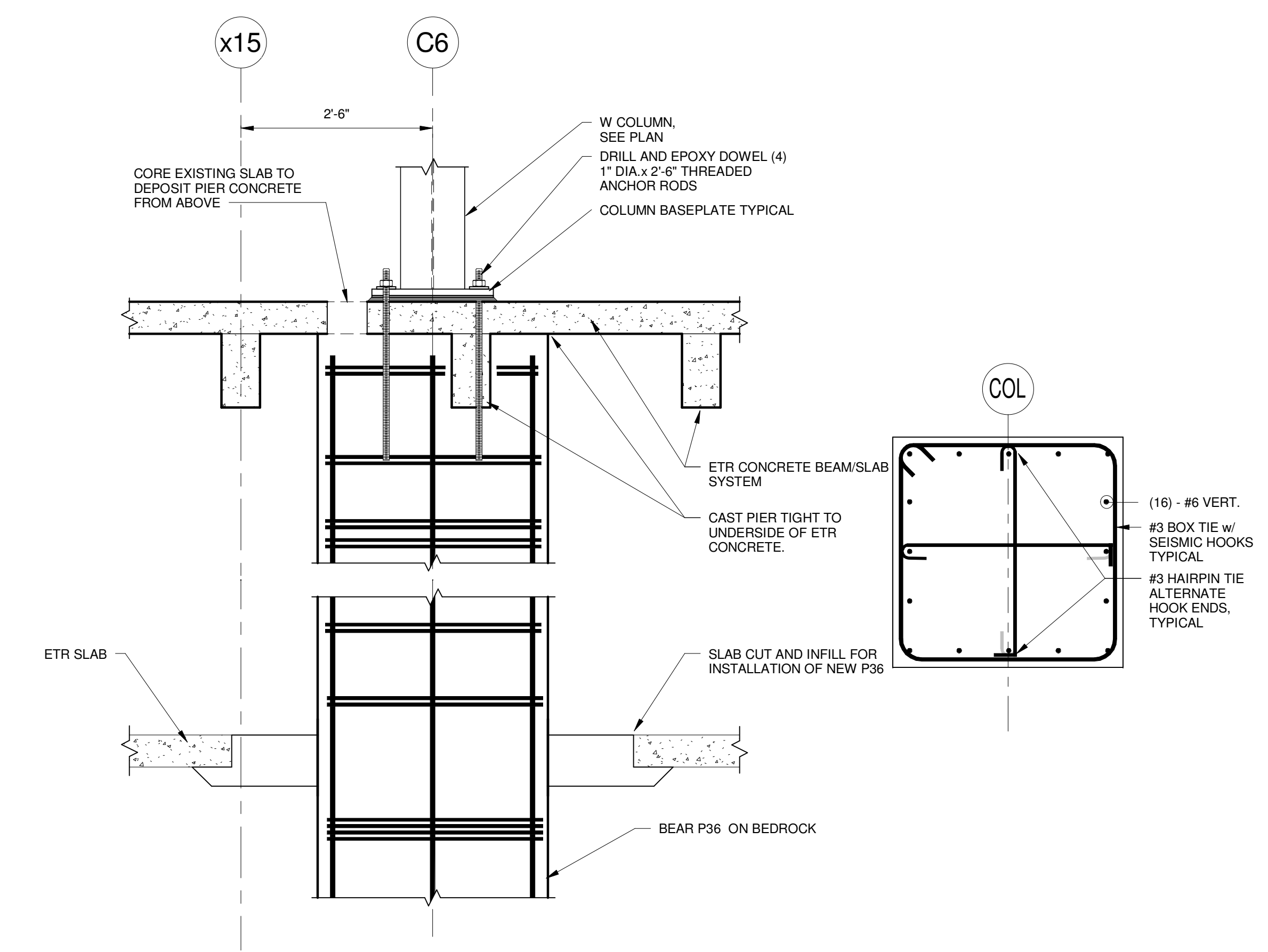
F61 SECTION
3/4" = 1'-0"



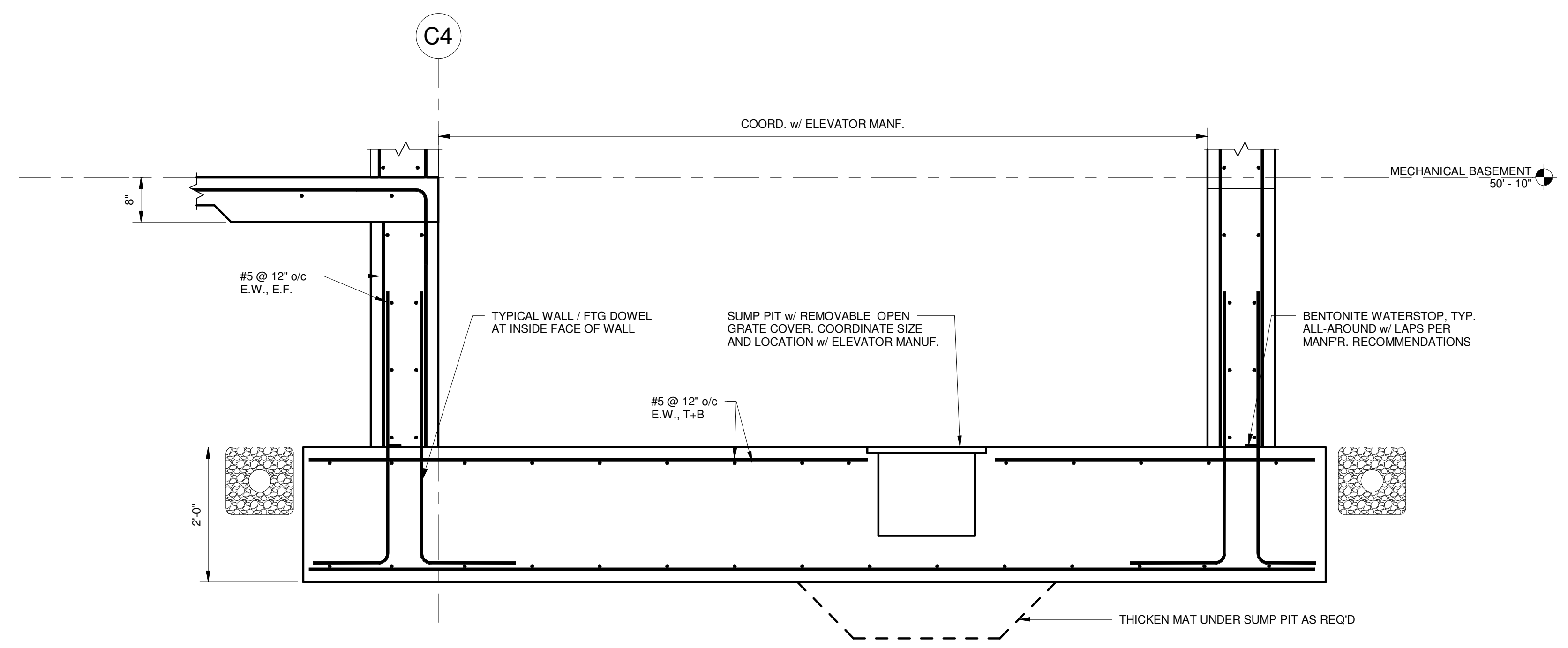
F62 SECTION
3/4" = 1'-0"



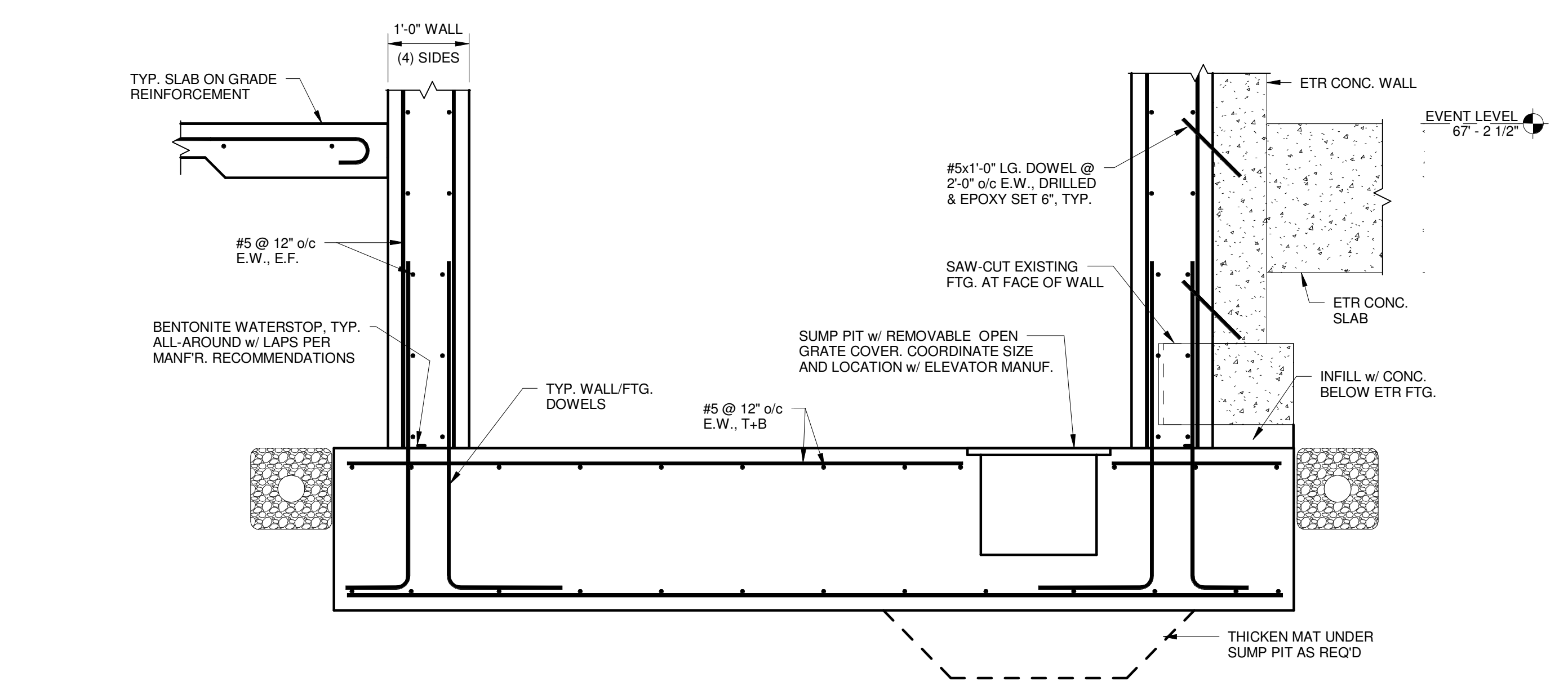
F63 SECTION
3/4" = 1'-0"



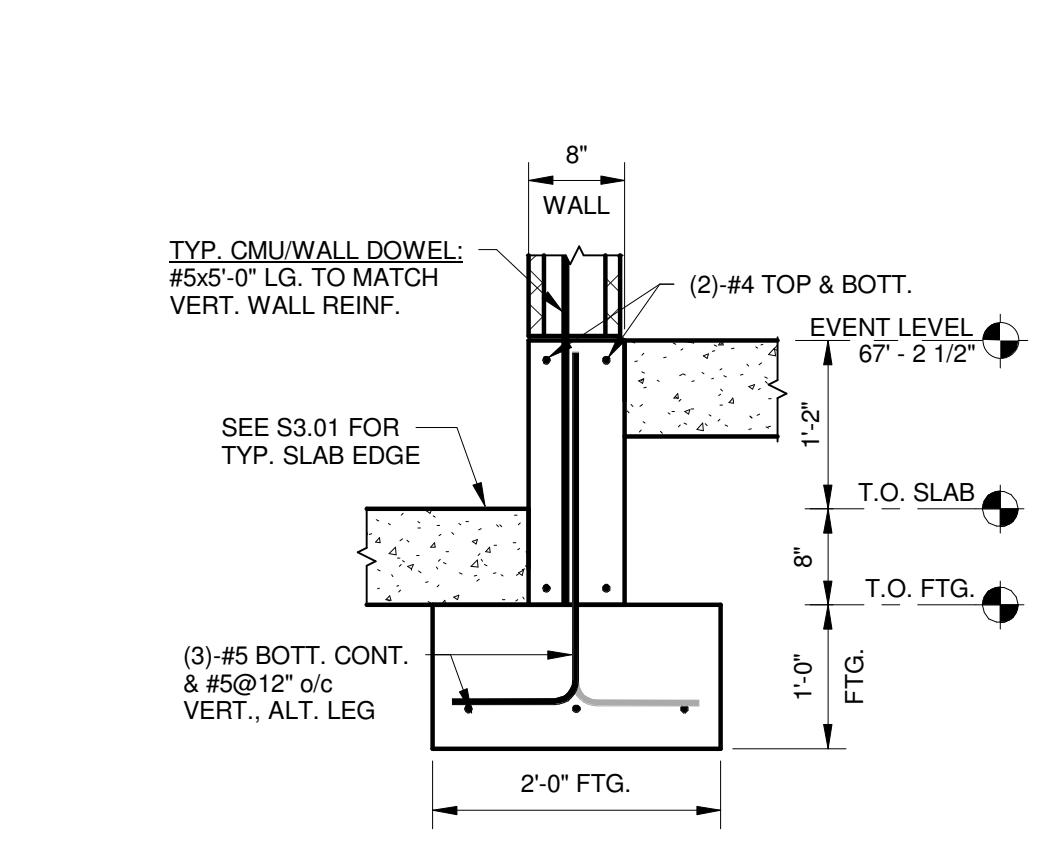
F64 SECTION
3/4" = 1'-0"



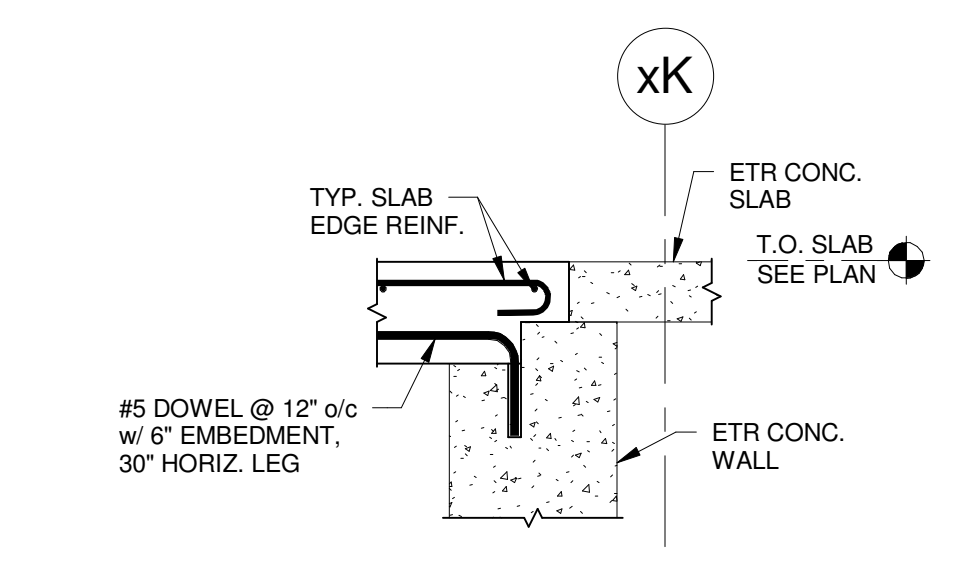
F66 SECTION
3/4" = 1'-0"



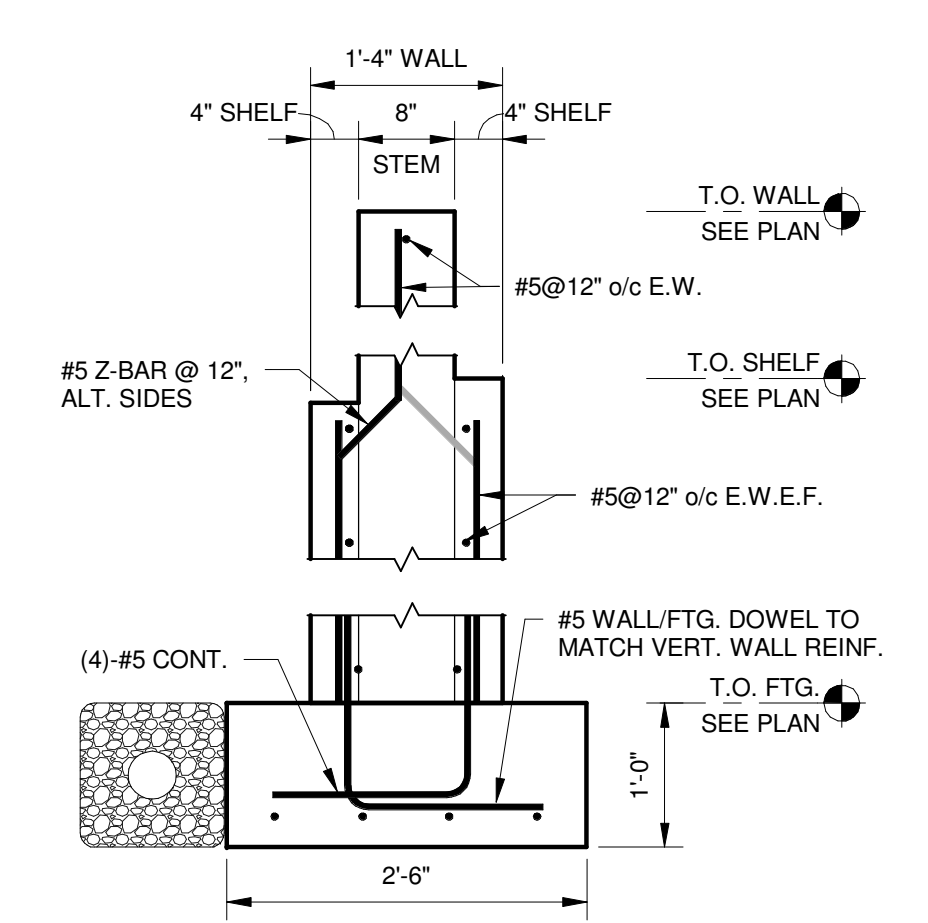
F67 SECTION
3/4" = 1'-0"



F71 SECTION
3/4" = 1'-0"

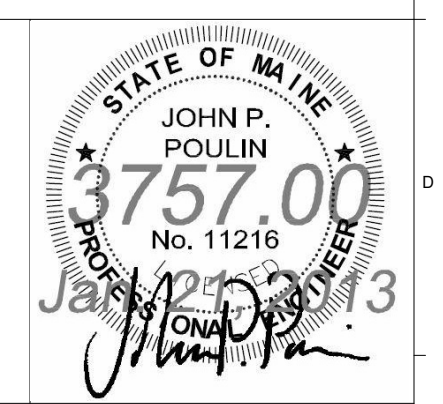


F72 SECTION
3/4" = 1'-0"



TYP. PLANTER WALL
3/4" = 1'-0"

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
CONCRETE FOUNDATION SECTIONS AND DETAILS

SHEET TITLE	
WBRC CAD FILE: C:\Users\jfpoulin\Documents\375700 - CCCC Structure_detailed\pellerint	
PROJECT No. 3757.00	GRAPHIC SCALE: 1" = 1'-0"
SCALE: 3/4" = 1'-0"	
PROJECT MANAGER: JRB	SHEET No.
DRAWN BY: ADG	S3.04
CHECKED BY: JPP	

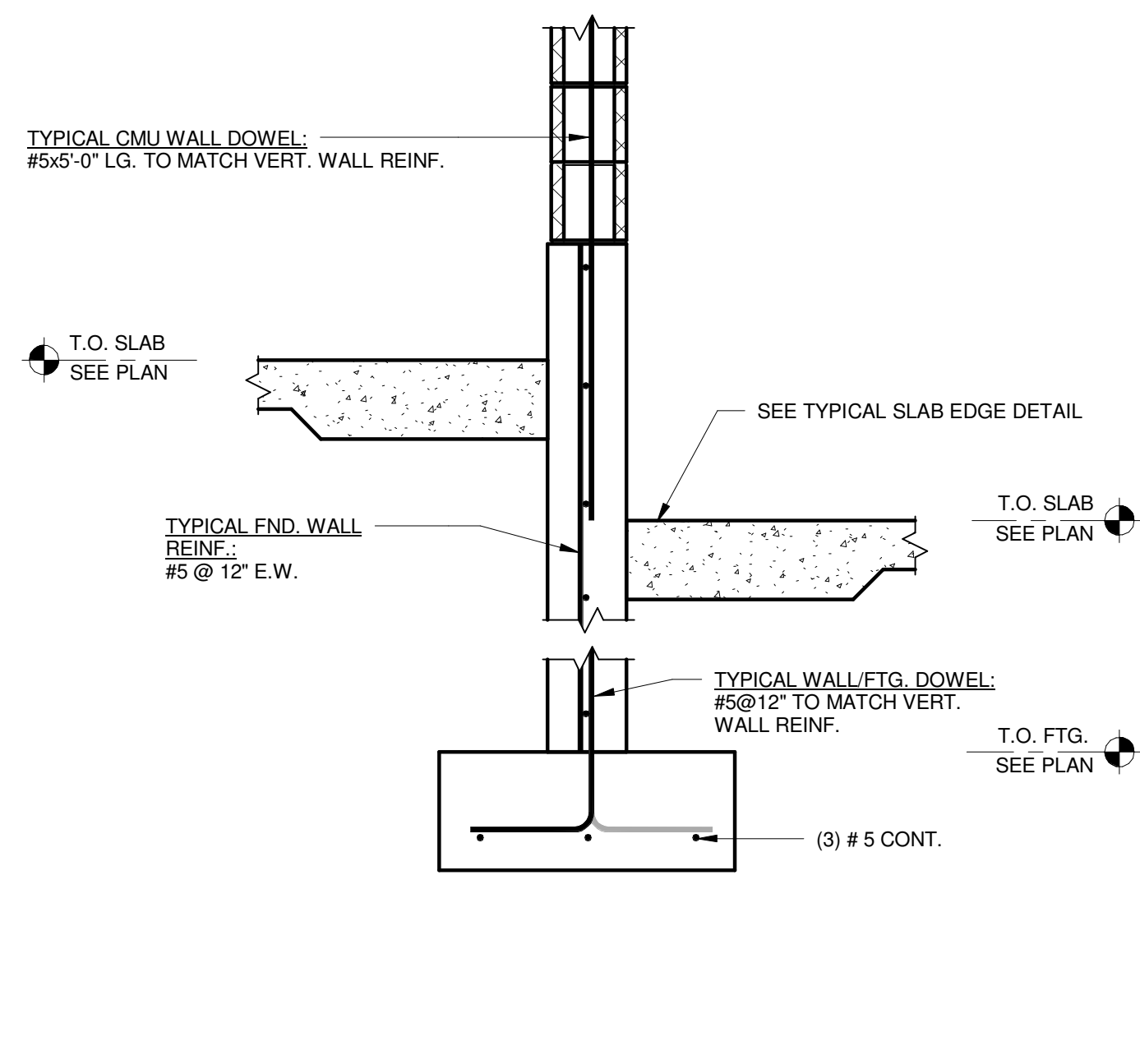
1/21/2013 1:38:57 PM C:\Users\jfpoulin\Documents\375700 - CCCC Structure_detailed\pellerint

SINK COMBS DETHLEFS

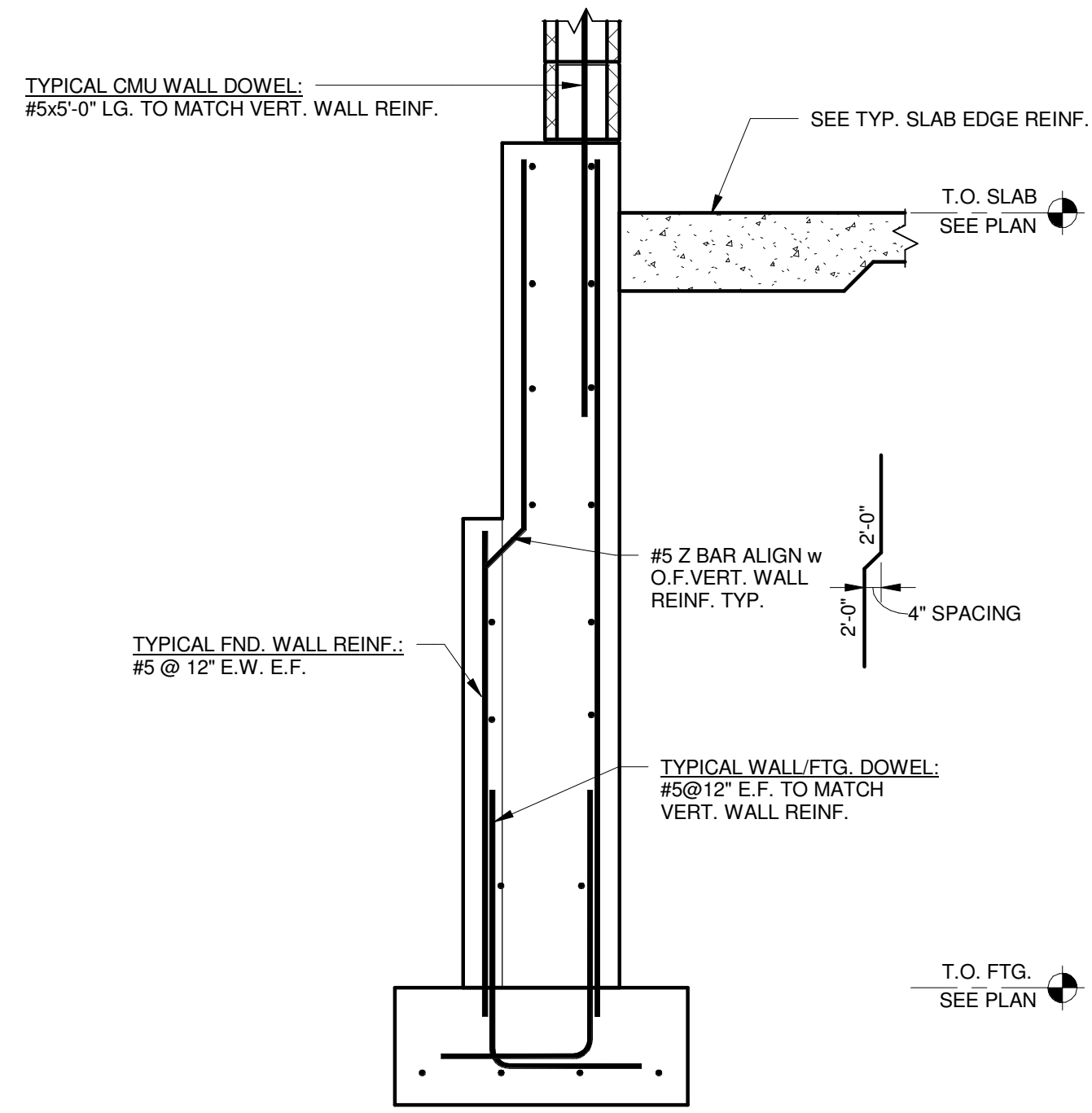
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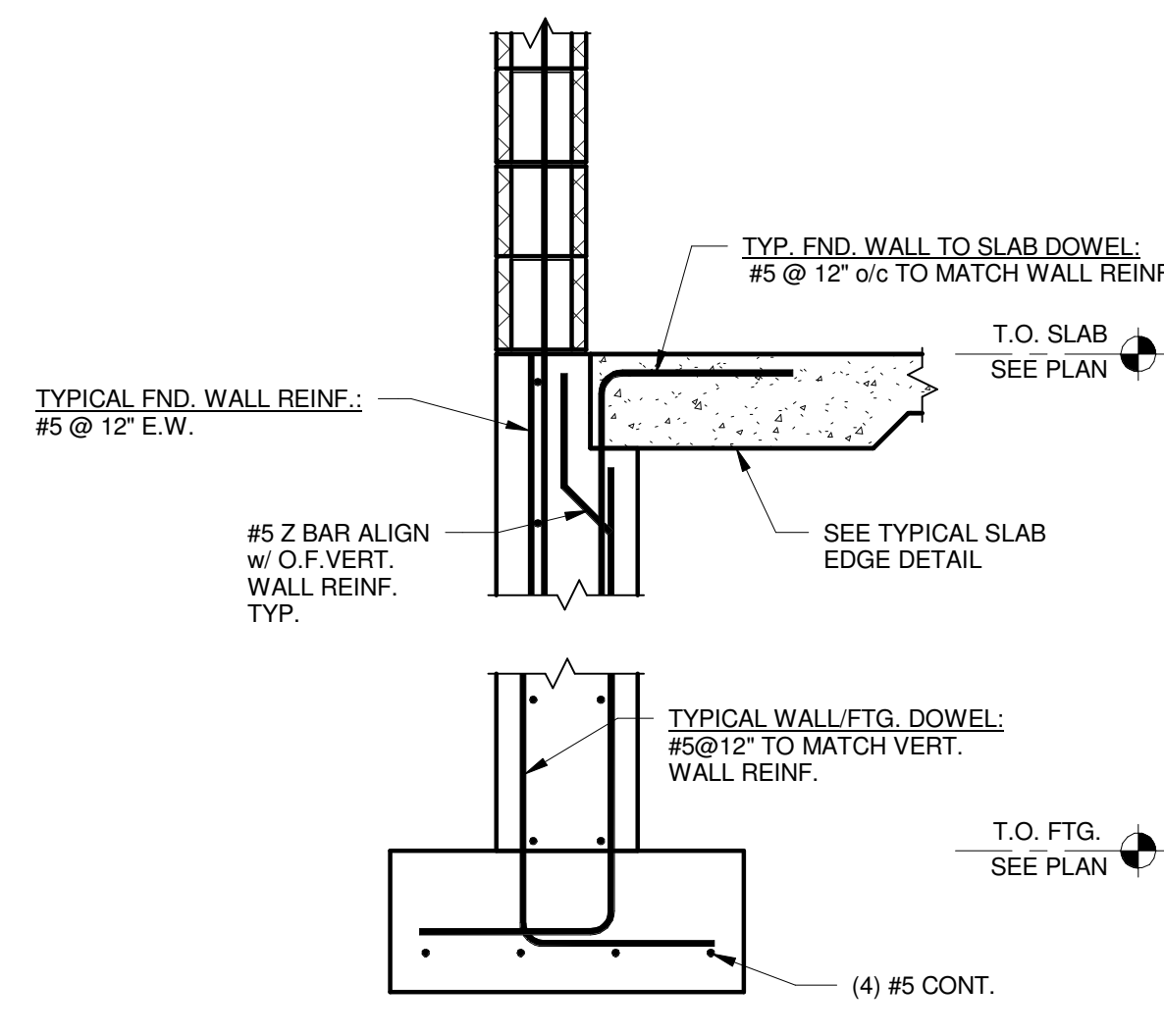
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FAX 303.336.0202



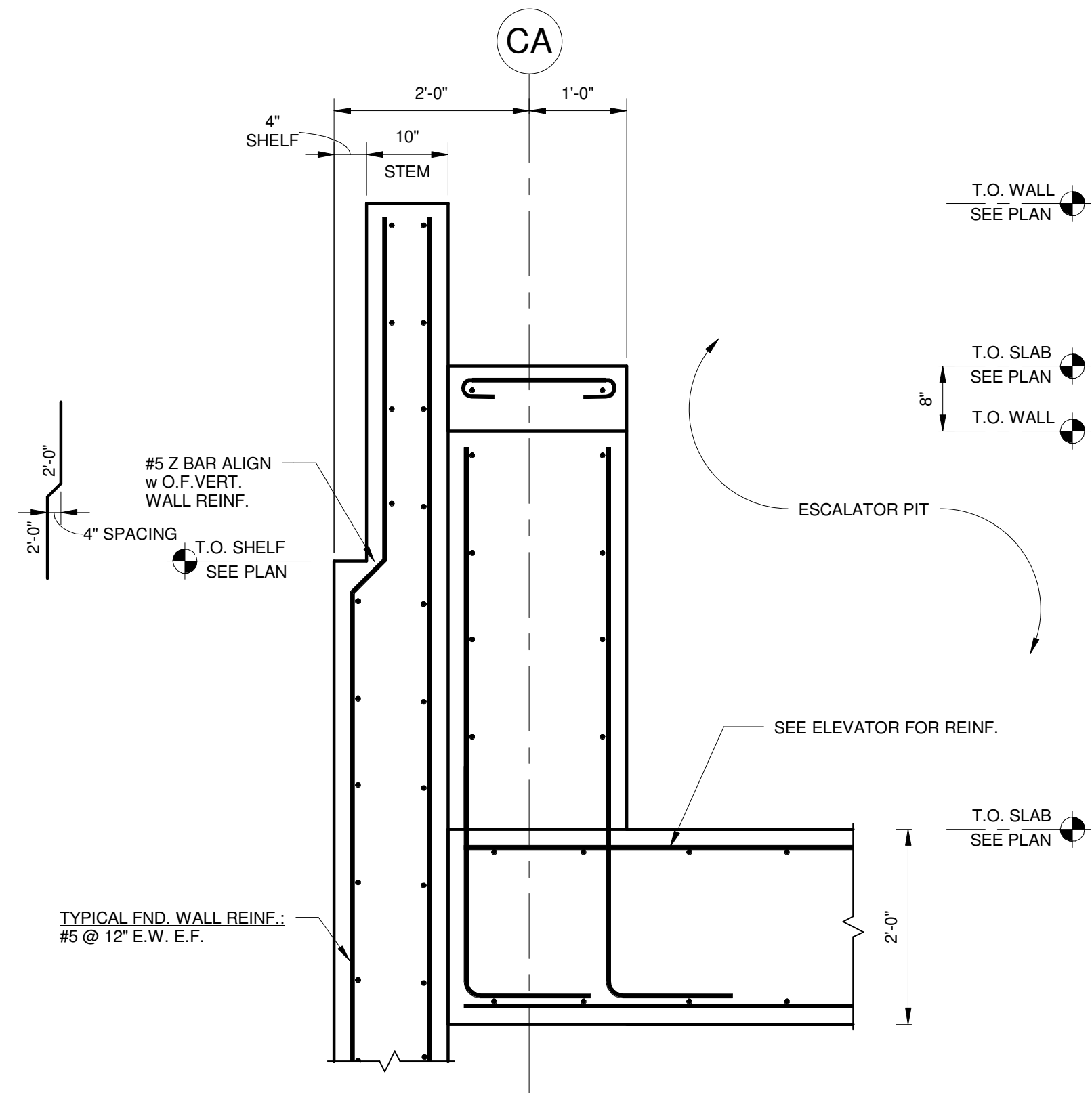
F76 SECTION
3/4" = 1'-0"



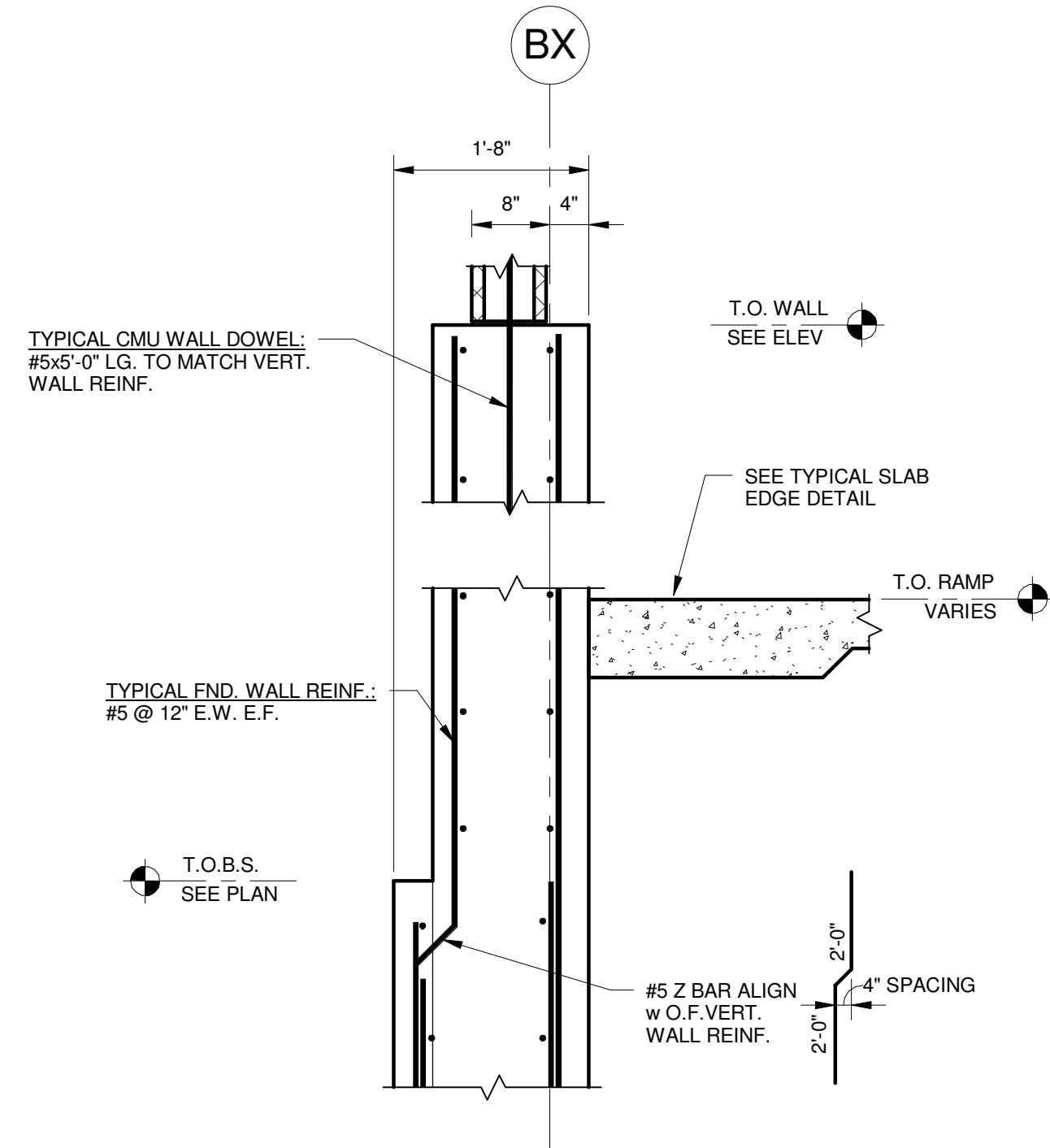
F77 SECTION
3/4" = 1'-0"



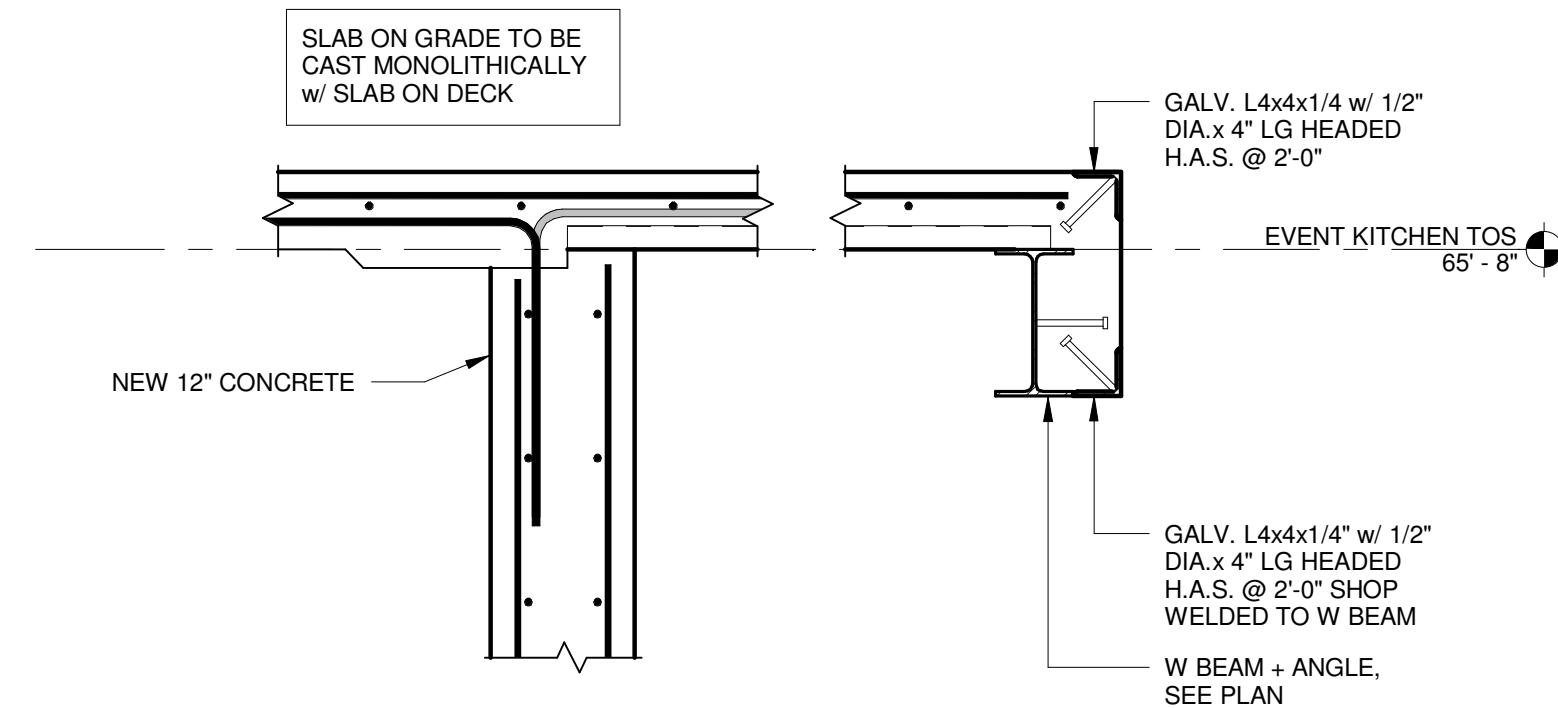
F78 SECTION
3/4" = 1'-0"



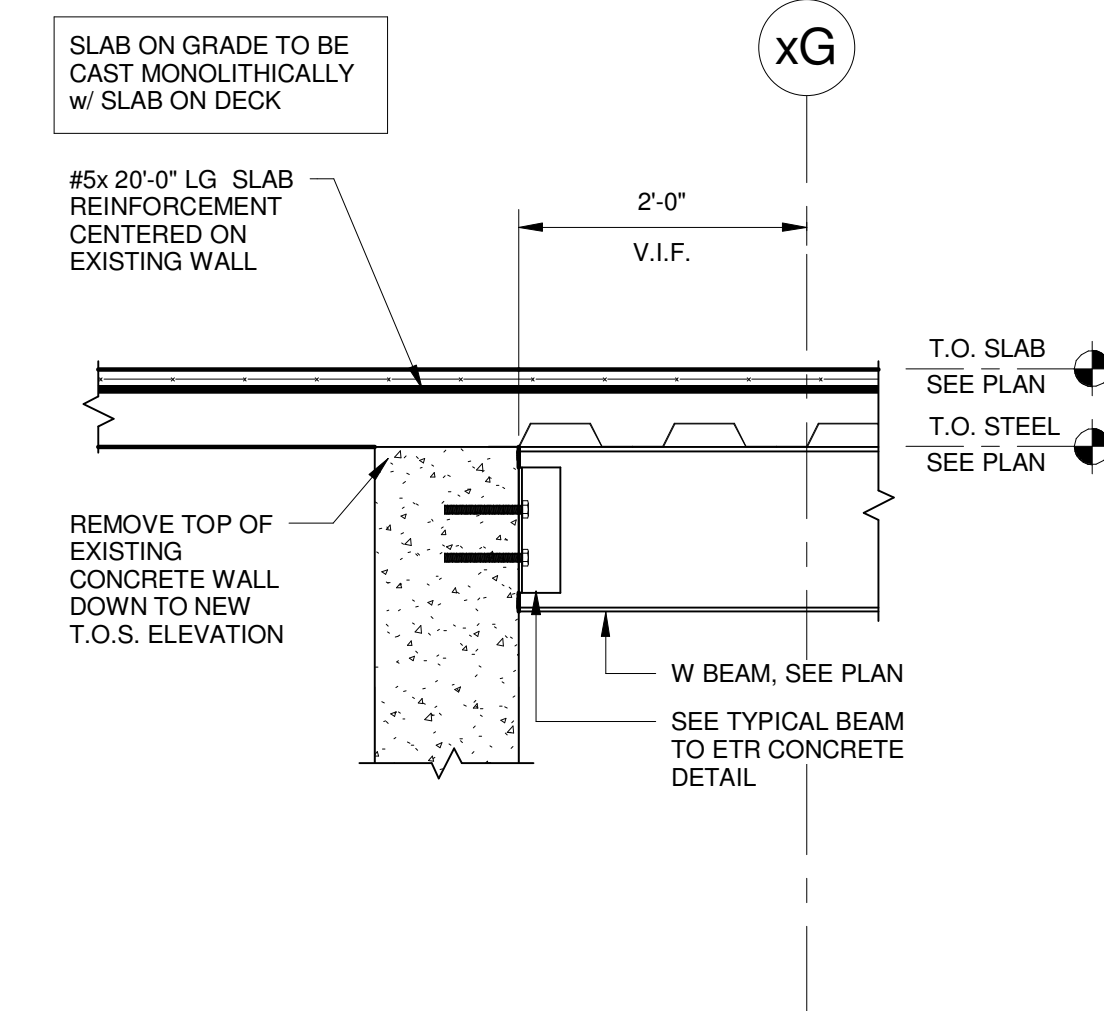
F79 SECTION
3/4" = 1'-0"



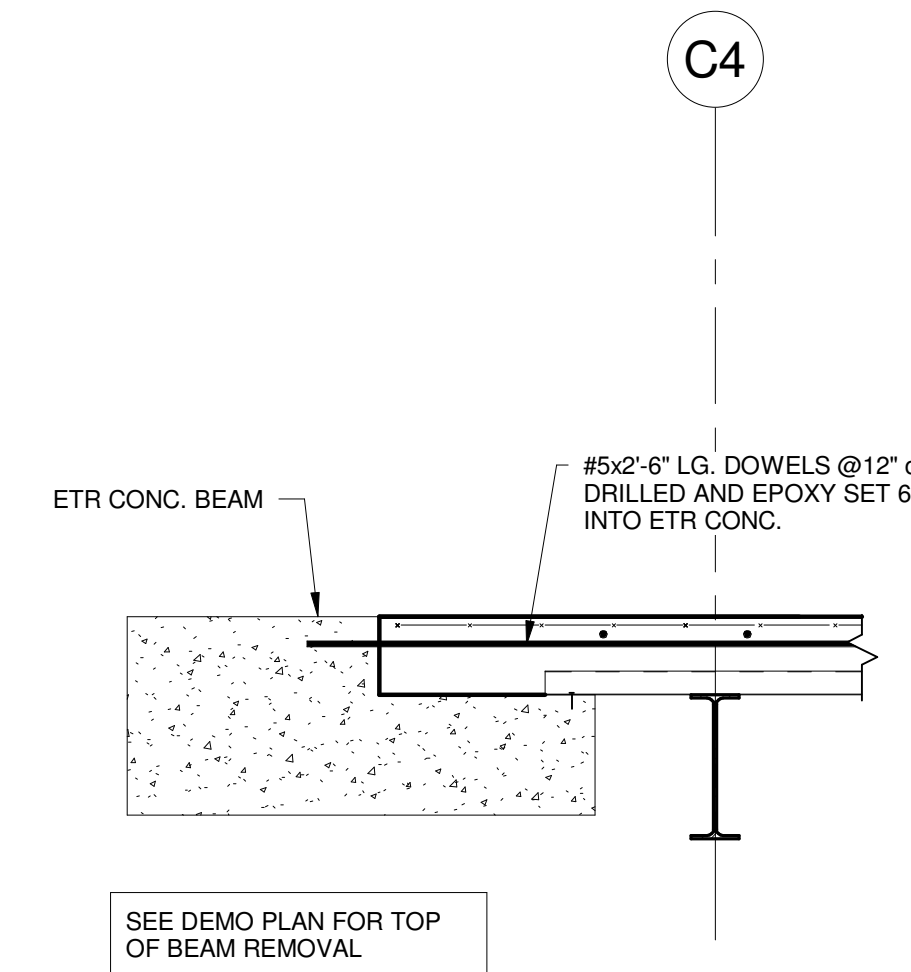
F81 SECTION
3/4" = 1'-0"



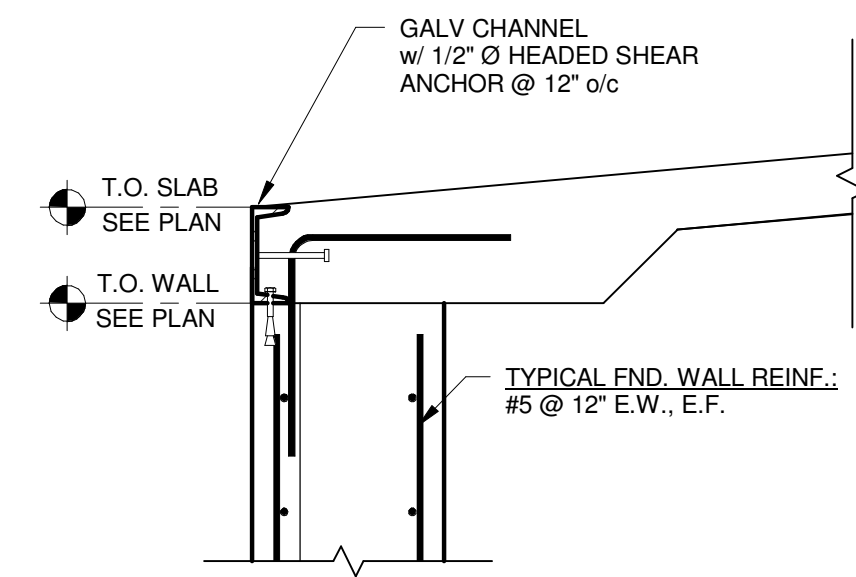
F82 SECTION
3/4" = 1'-0"



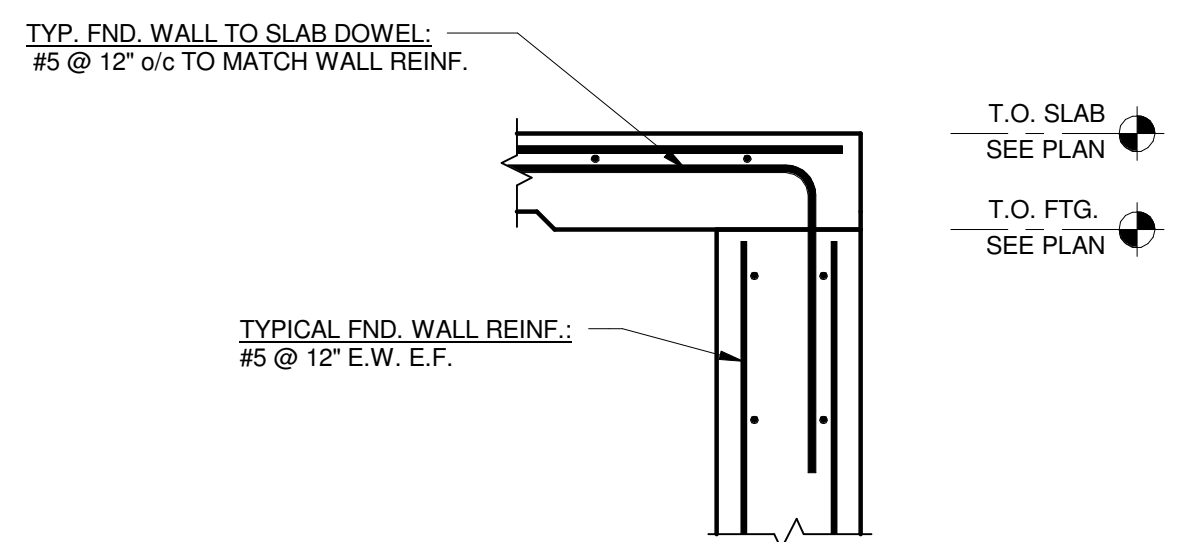
F83 SECTION
3/4" = 1'-0"



F84 SECTION
3/4" = 1'-0"



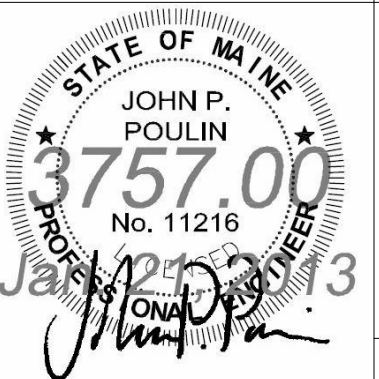
F86 SECTION
3/4" = 1'-0"



F87 SECTION
3/4" = 1'-0"

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0	CONSTRUCTION DOCUMENTS	01-21-2013

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

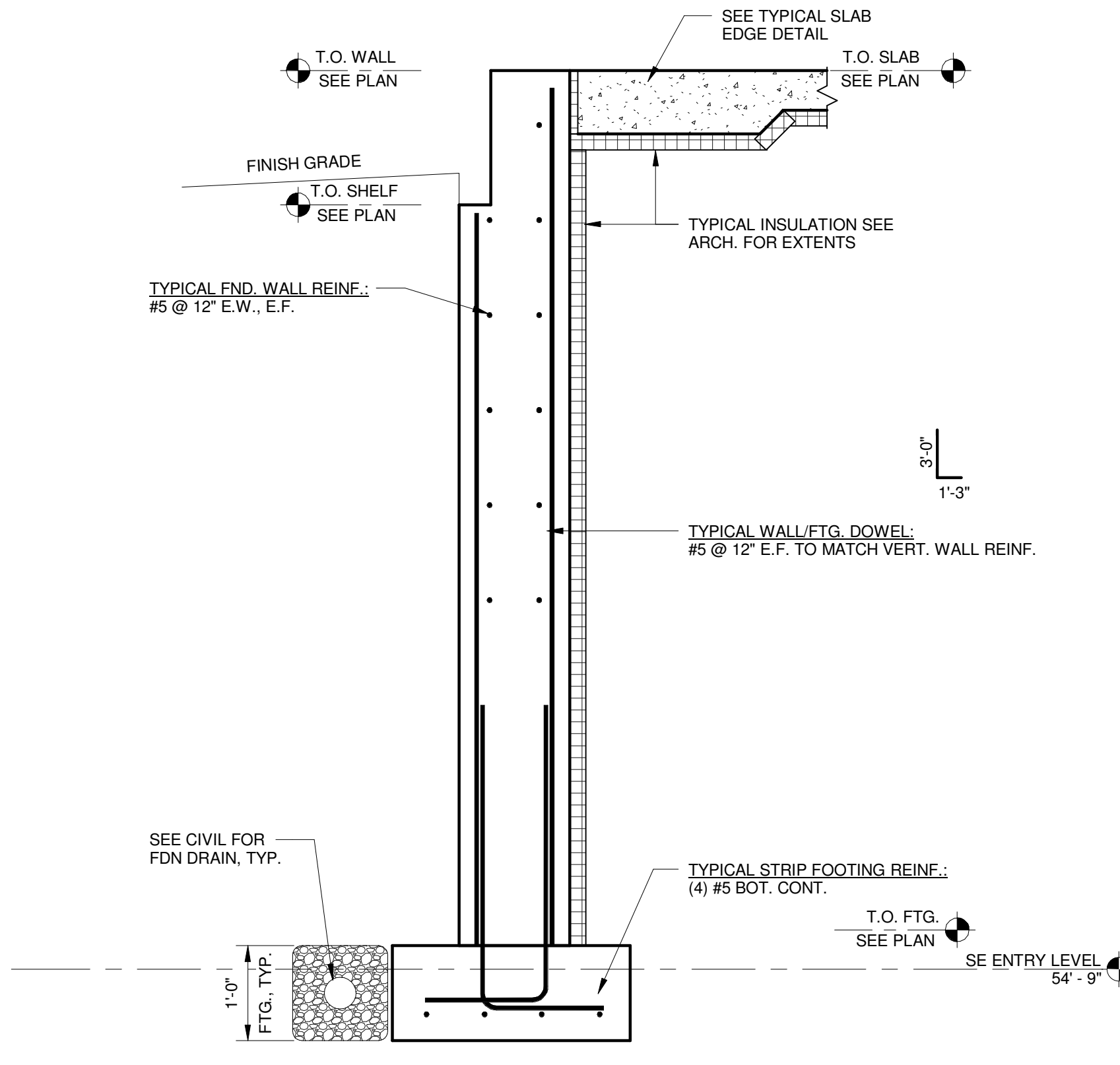
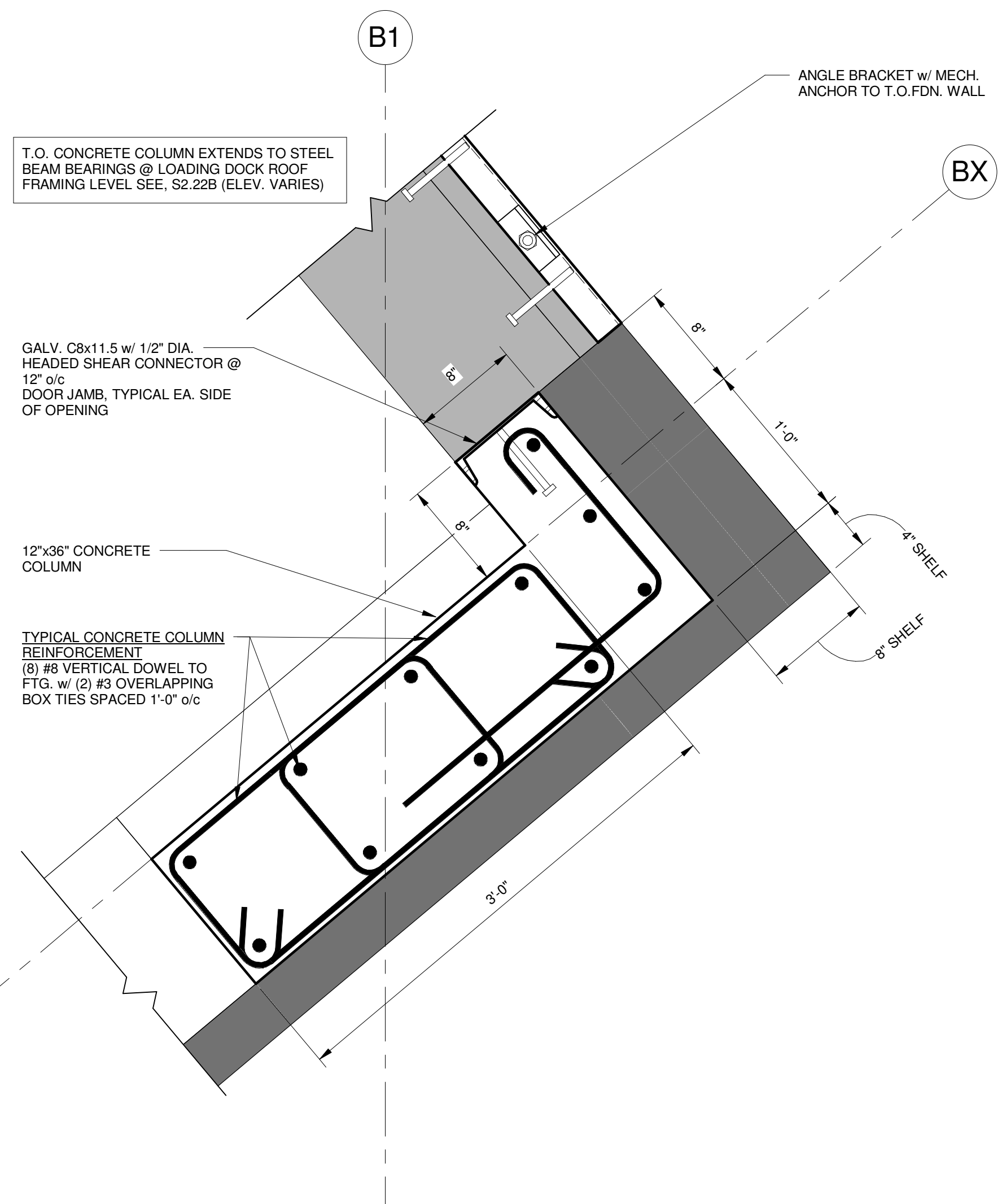
PROJECT: PORTLAND, MAINE
CONCRETE FOUNDATION SECTIONS AND DETAILS

PROJECT No.	3757.00	GRAPHIC SCALE	1" = 1'-0"
SCALE	3/4" = 1'-0"		
PROJECT MANAGER	JRB	SHEET No.	S3.05
DRAWN BY	ADG		
CHECKED BY	JPP		

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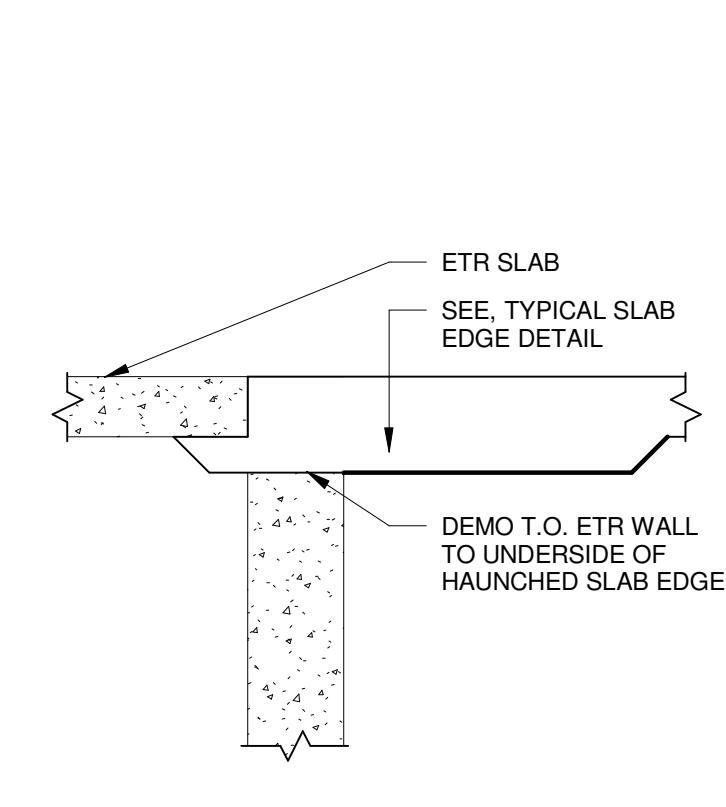
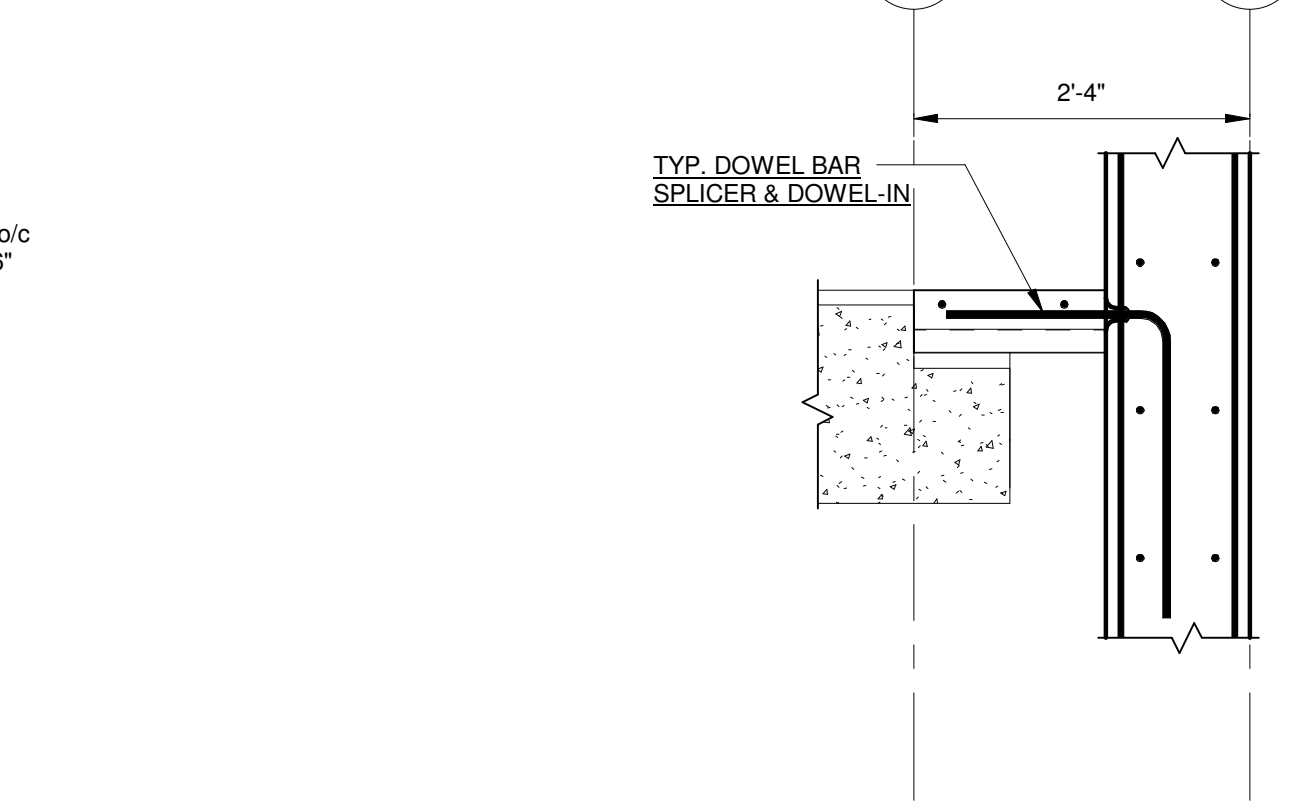
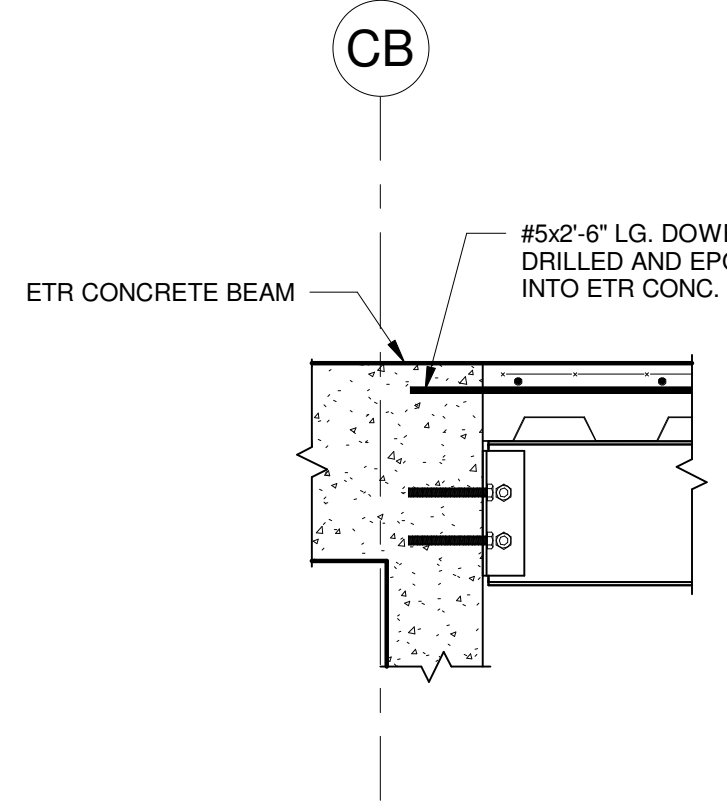
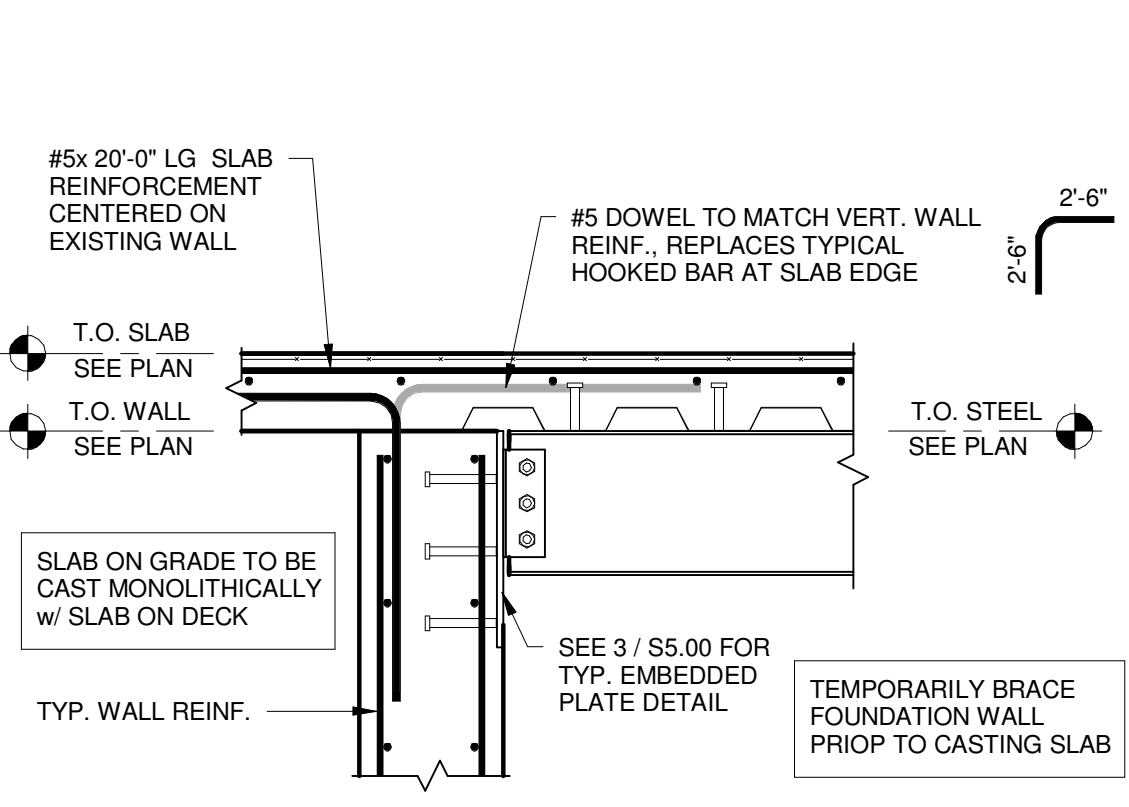
SINK COMBS DETHLEFS

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F91 PLAN DETAIL @ CONCRETE COLUMN @ LOADING DOCK
1 1/2" = 1'-0"

F92 SECTION
3/4" = 1'-0"



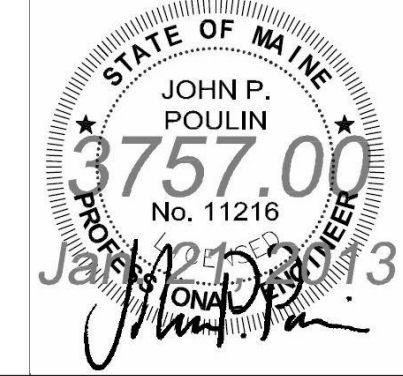
F96 SECTION
3/4" = 1'-0"

F97 SECTION
3/4" = 1'-0"

F98 SECTION
3/4" = 1'-0"

F99 SECTION
3/4" = 1'-0"

0	CONSTRUCTION DOCUMENTS	01-21-2013
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PROJECT: CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PORTLAND, MAINE

SHEET TITLE: CONCRETE FOUNDATION SECTIONS AND DETAILS

WBRC CAD FILE: C:\Users\jandj\Documents\375700 - CCCC Structure_dethlefs.dwg	DATE: 01-21-2013
PROJECT No. 3757.00	GRAPHIC SCALE: 1" = 1'-0"
SCALE: As indicated	
PROJECT MANAGER: JRB	SHEET No. 3.06
DRAWN BY: ADG	
CHECKED BY: JPP	

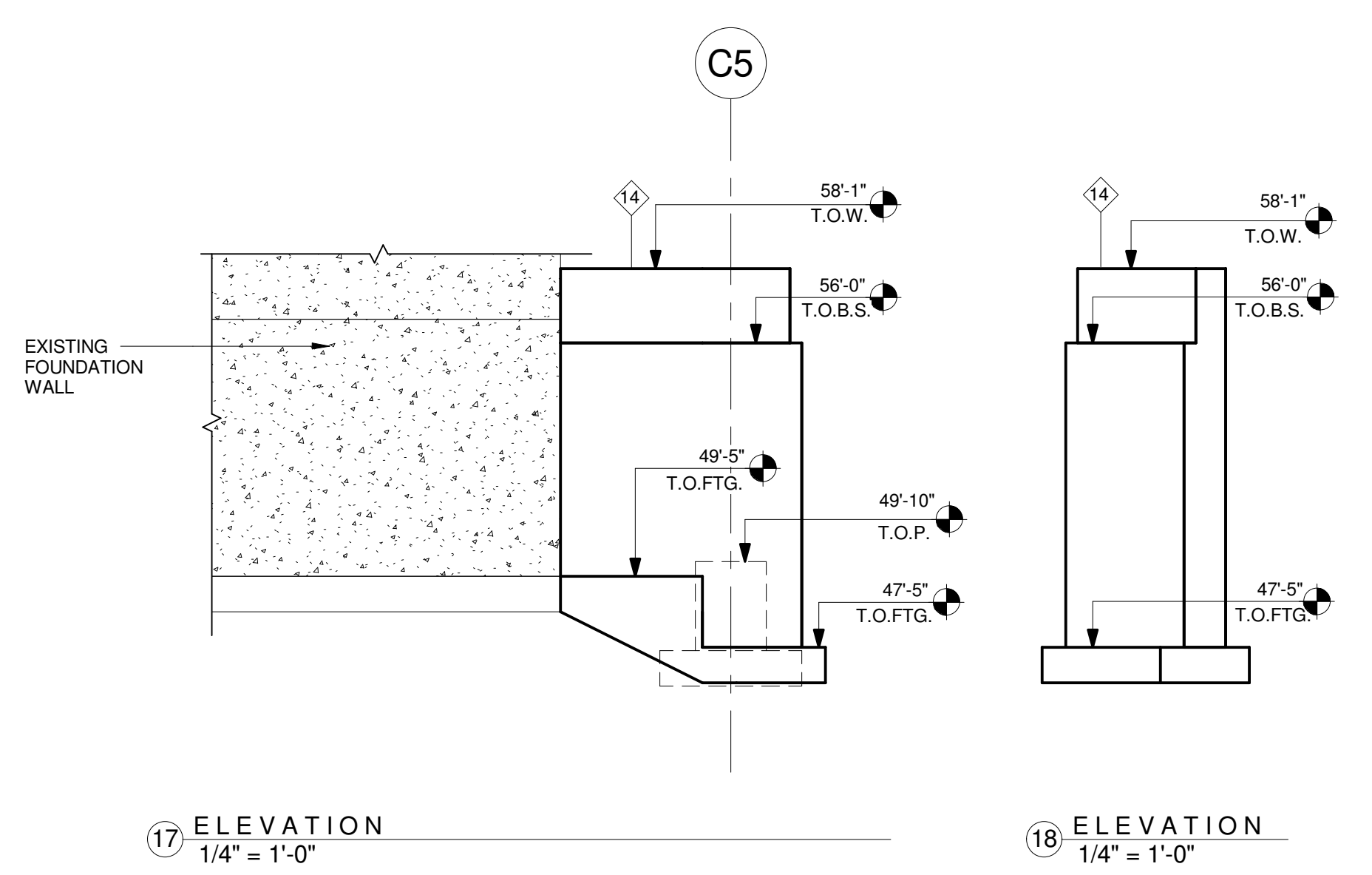
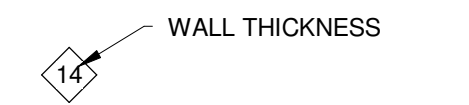
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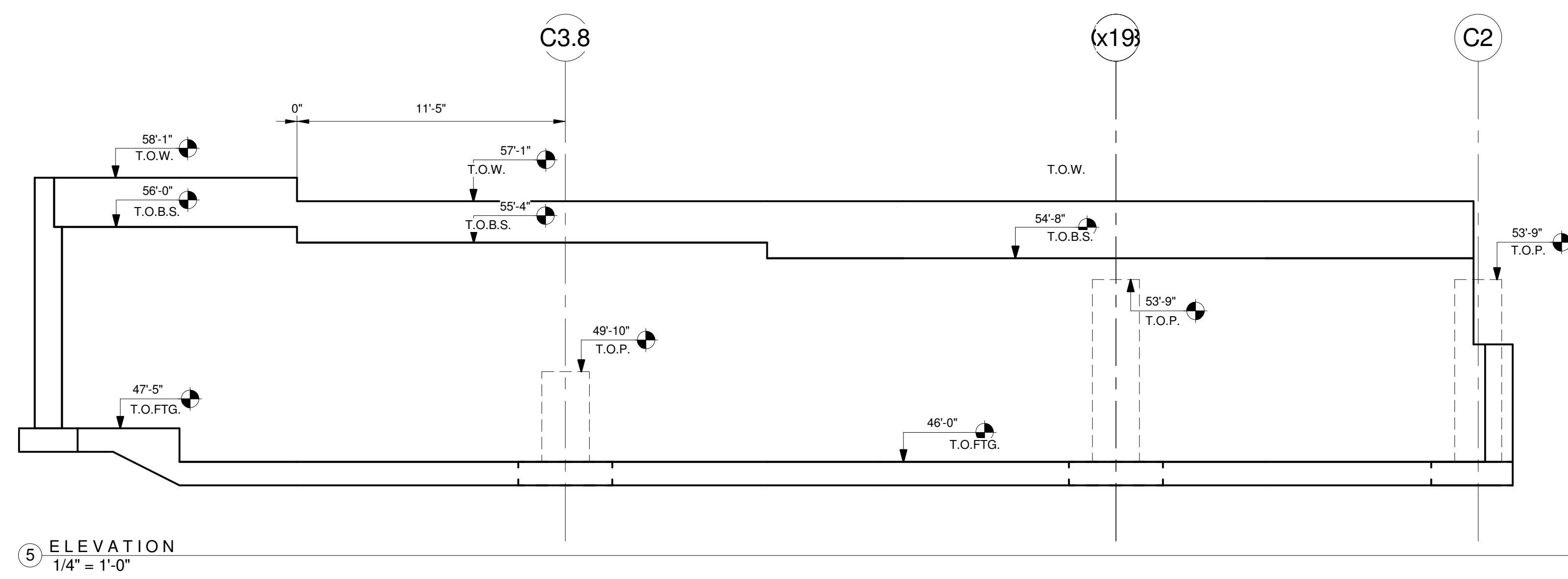
LEGEND

T.O.B.S. = TOP OF BRICK SHELF
T.O.FTG. = TOP OF FOOTING
T.O.P. = TOP OF PIER
T.O.W. = TOP OF WALL
ALL BRICK SHELVES ARE 4" WIDE

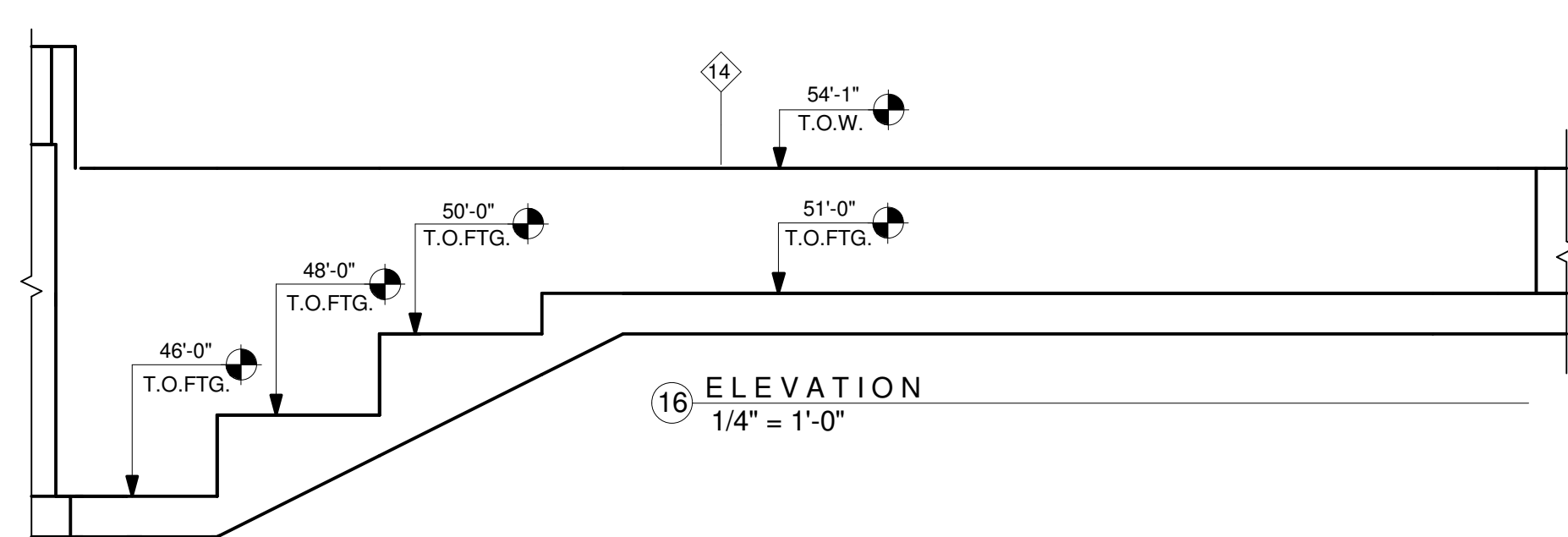


17 ELEVATION
1/4" = 1'-0"

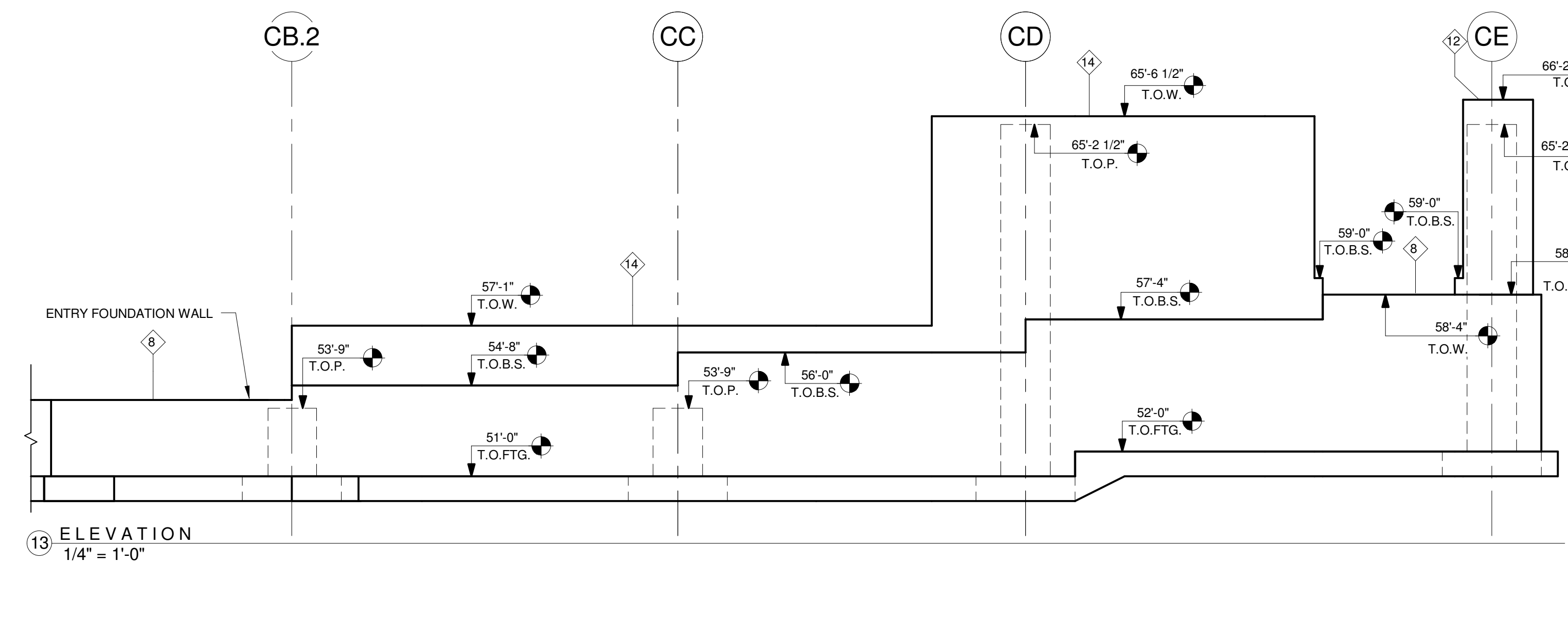
18 ELEVATION
1/4" = 1'-0"



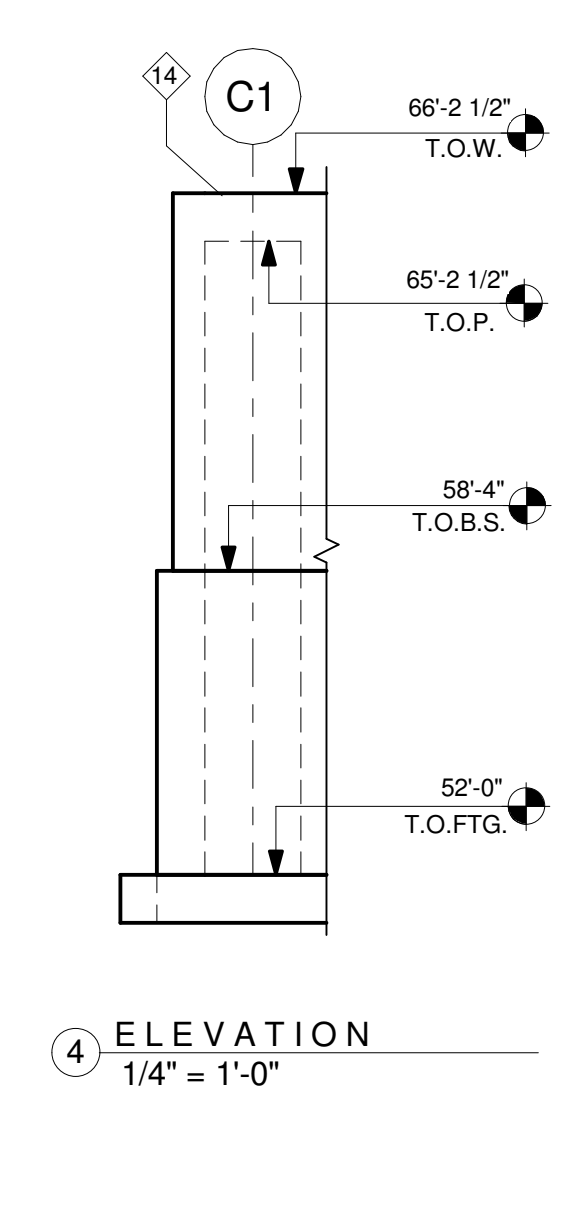
5 ELEVATION
1/4" = 1'-0"



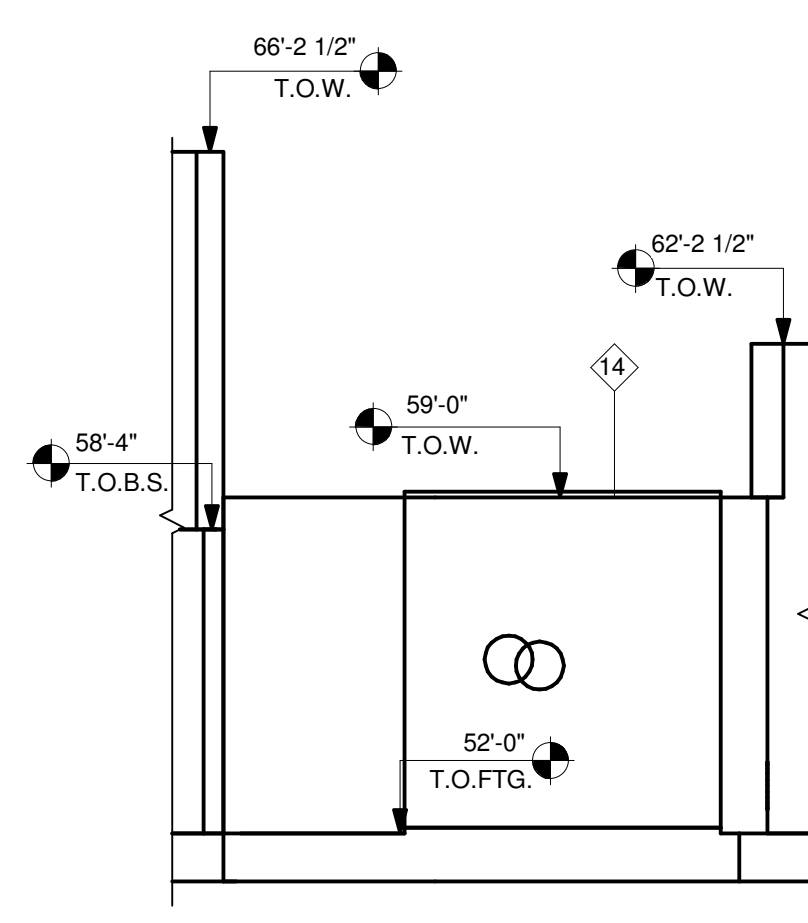
16 ELEVATION
1/4" = 1'-0"



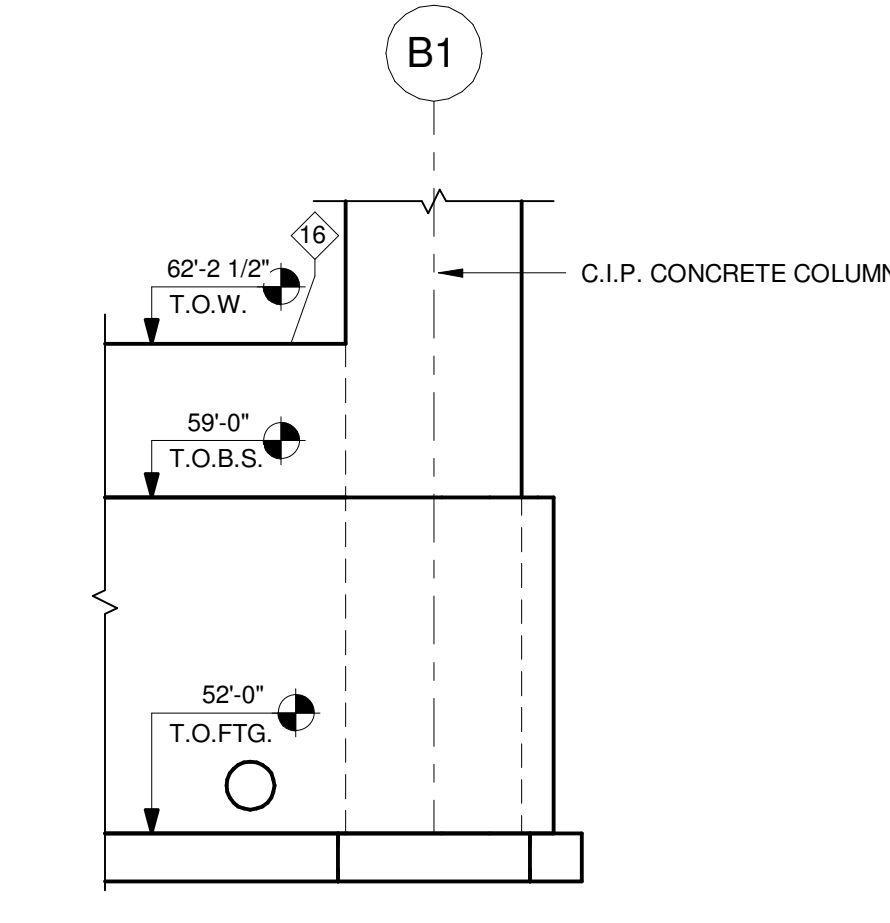
13 ELEVATION
1/4" = 1'-0"



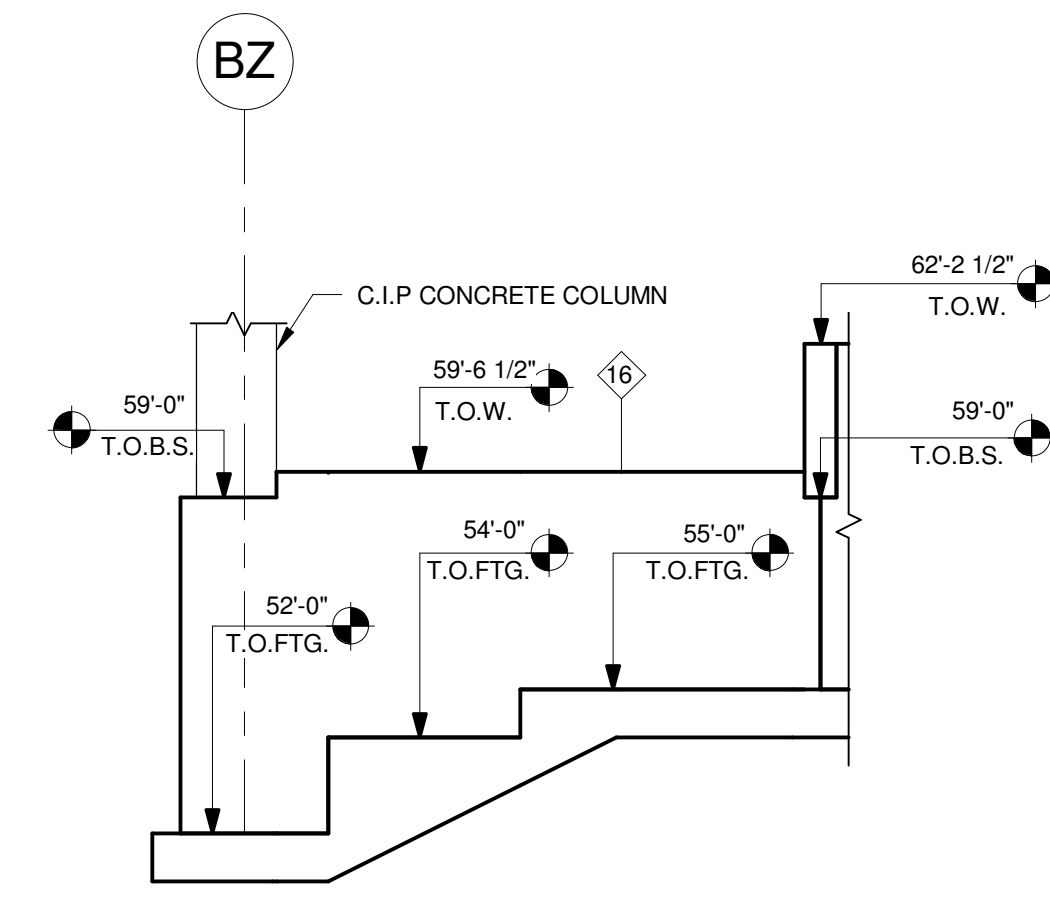
4 ELEVATION
1/4" = 1'-0"



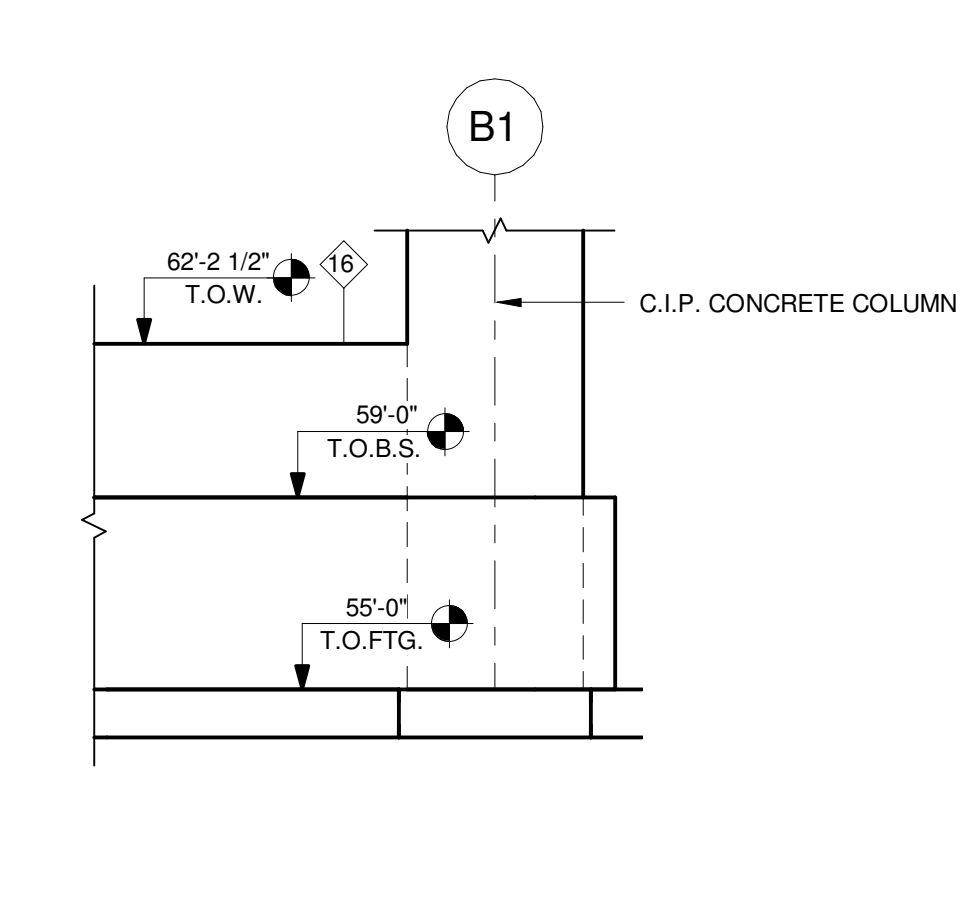
15 ELEVATION
1/4" = 1'-0"



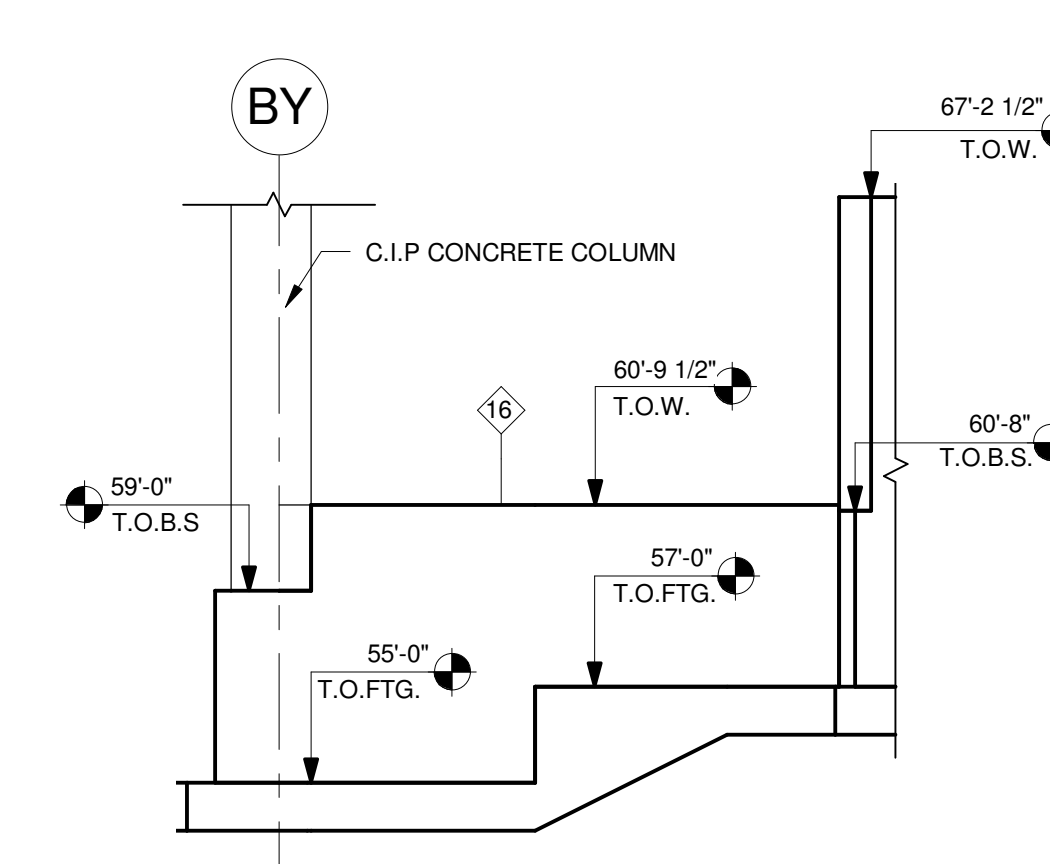
12 ELEVATION
1/4" = 1'-0"



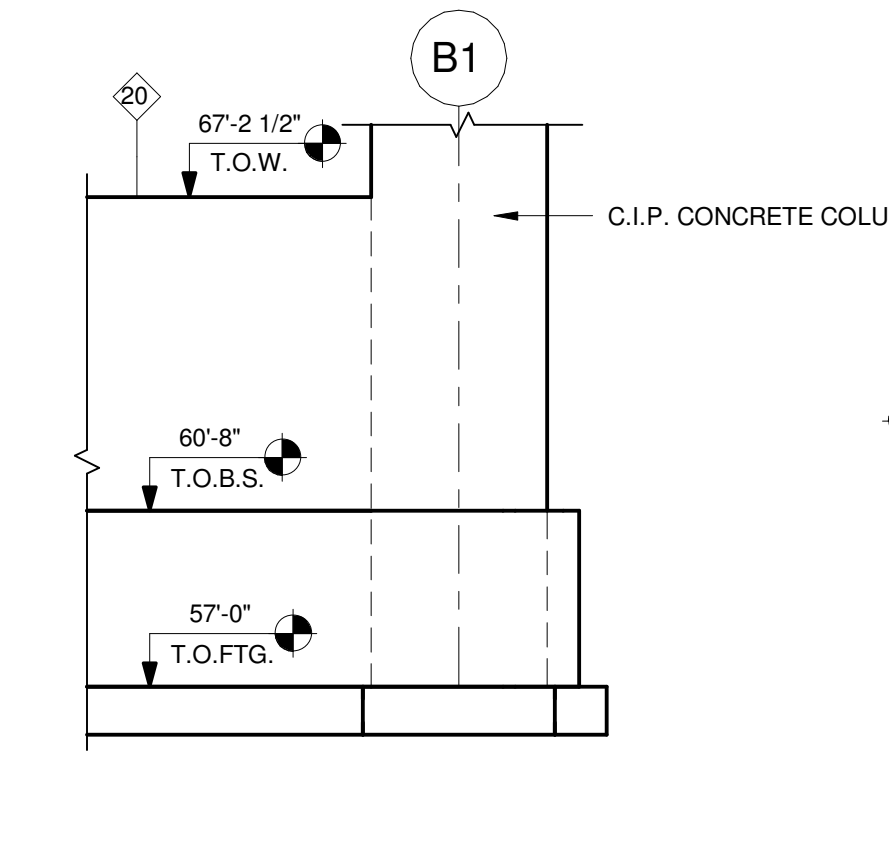
8 ELEVATION
1/4" = 1'-0"



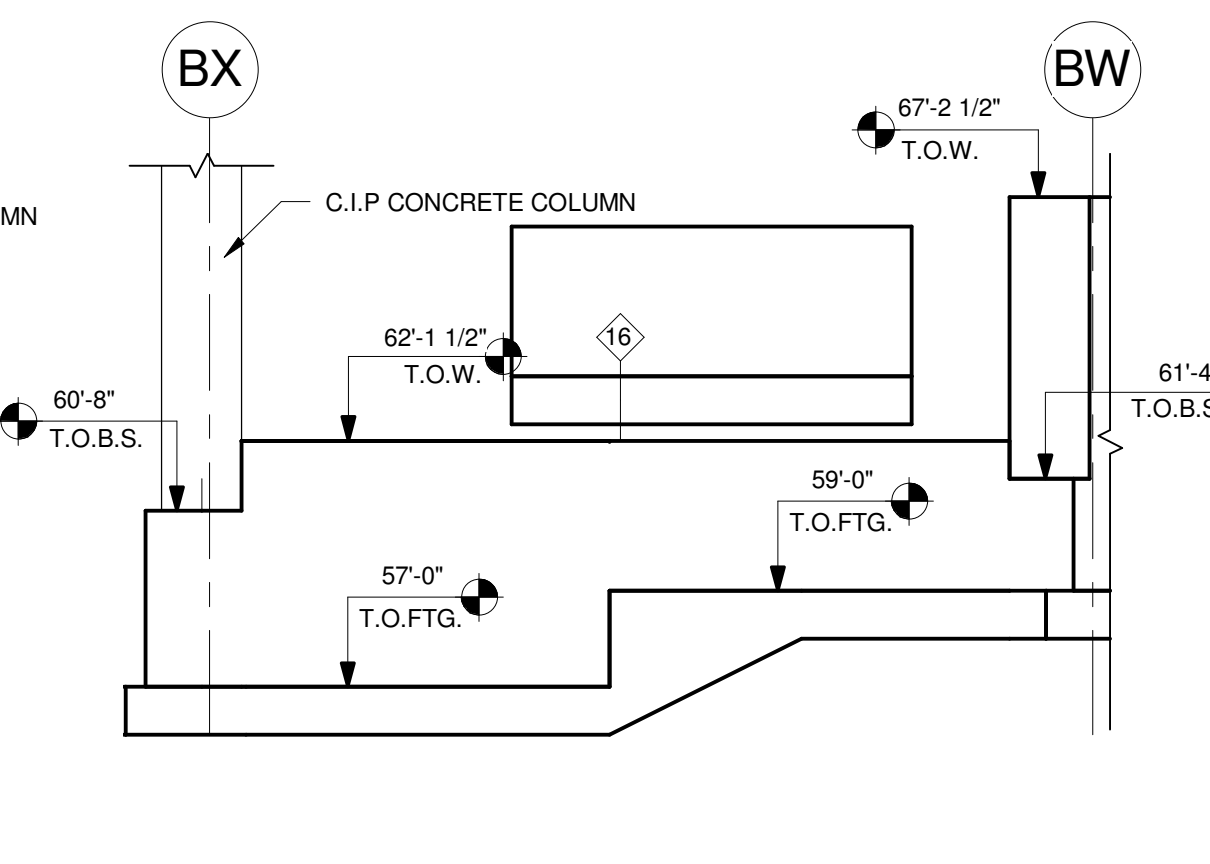
3 ELEVATION
1/4" = 1'-0"



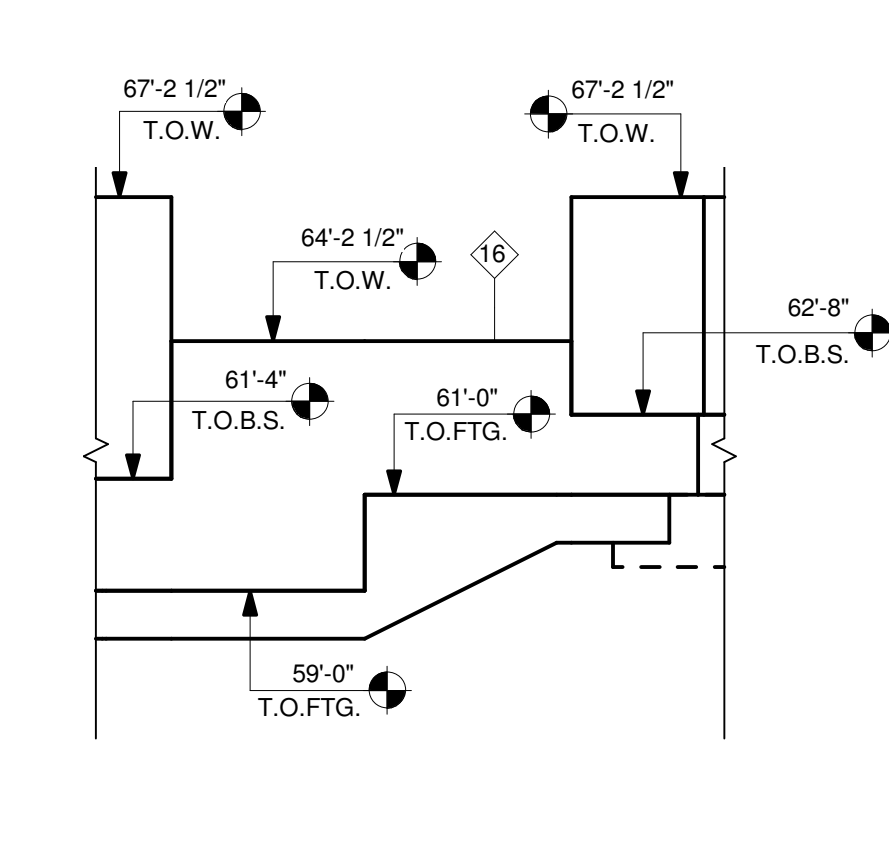
14 ELEVATION
1/4" = 1'-0"



11 ELEVATION
1/4" = 1'-0"



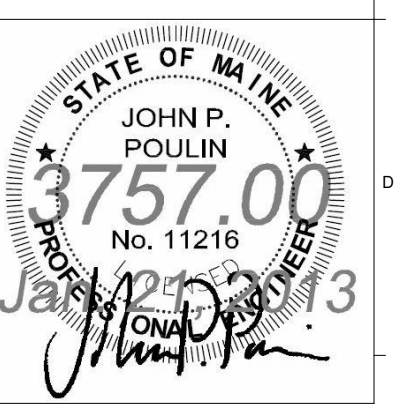
7 ELEVATION
1/4" = 1'-0"



2 ELEVATION
1/4" = 1'-0"

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

PROJECT: PORTLAND, MAINE
FOUNDATION ELEVATIONS

SHEET TITLE	
WBRC CAD FILE:	C:\Users\jandj\Documents\375700 - CCCC Structure_dwg\peller.dwg
PROJECT No.	3757.00
SCALE	As indicated
PROJECT MANAGER	JRB
DRAWN BY	ADG
CHECKED BY	JPP
SHEET No.	S3.10

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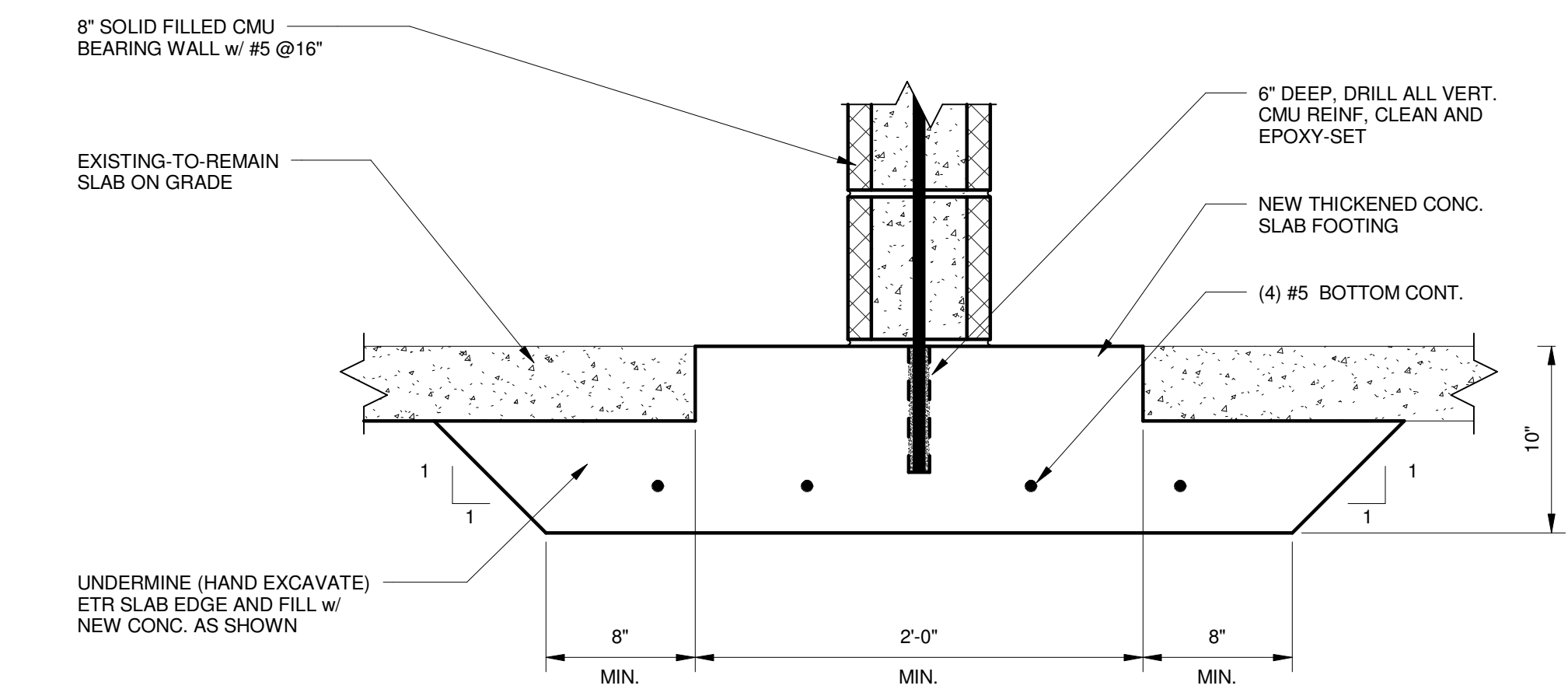
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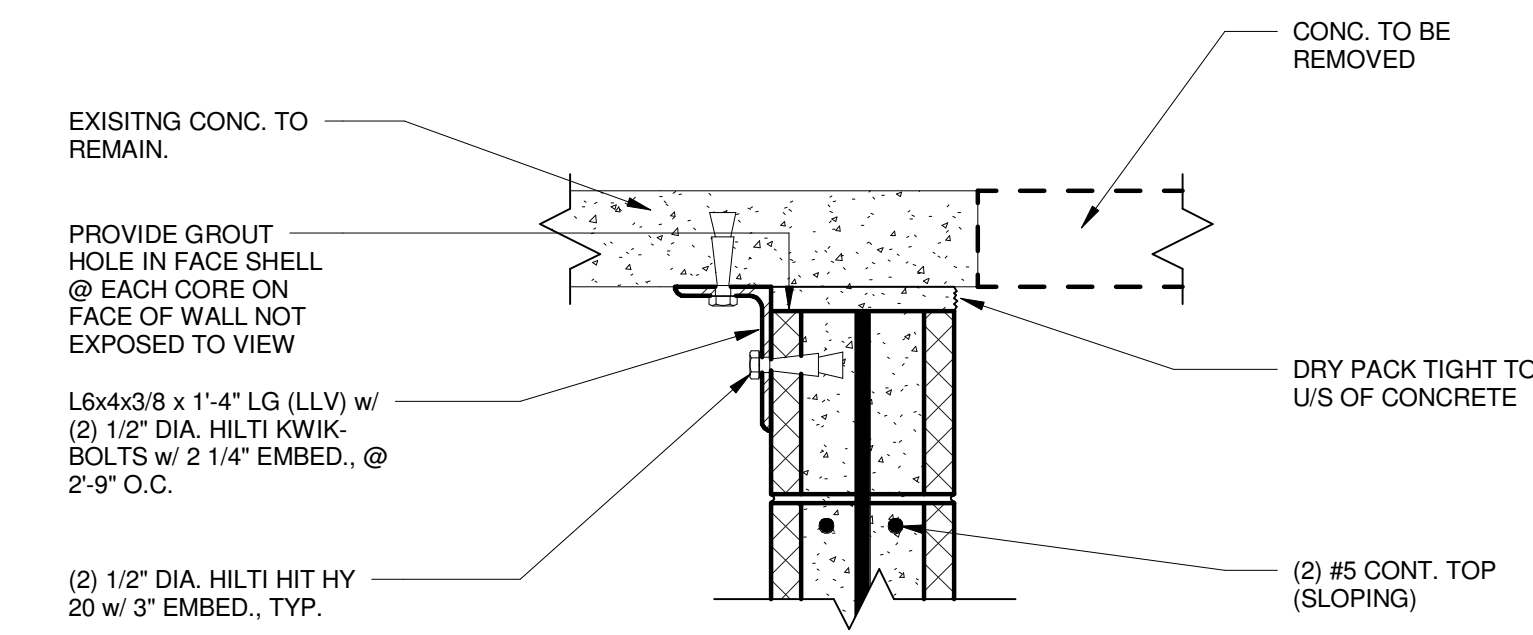
303.336.0200
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NOTE:

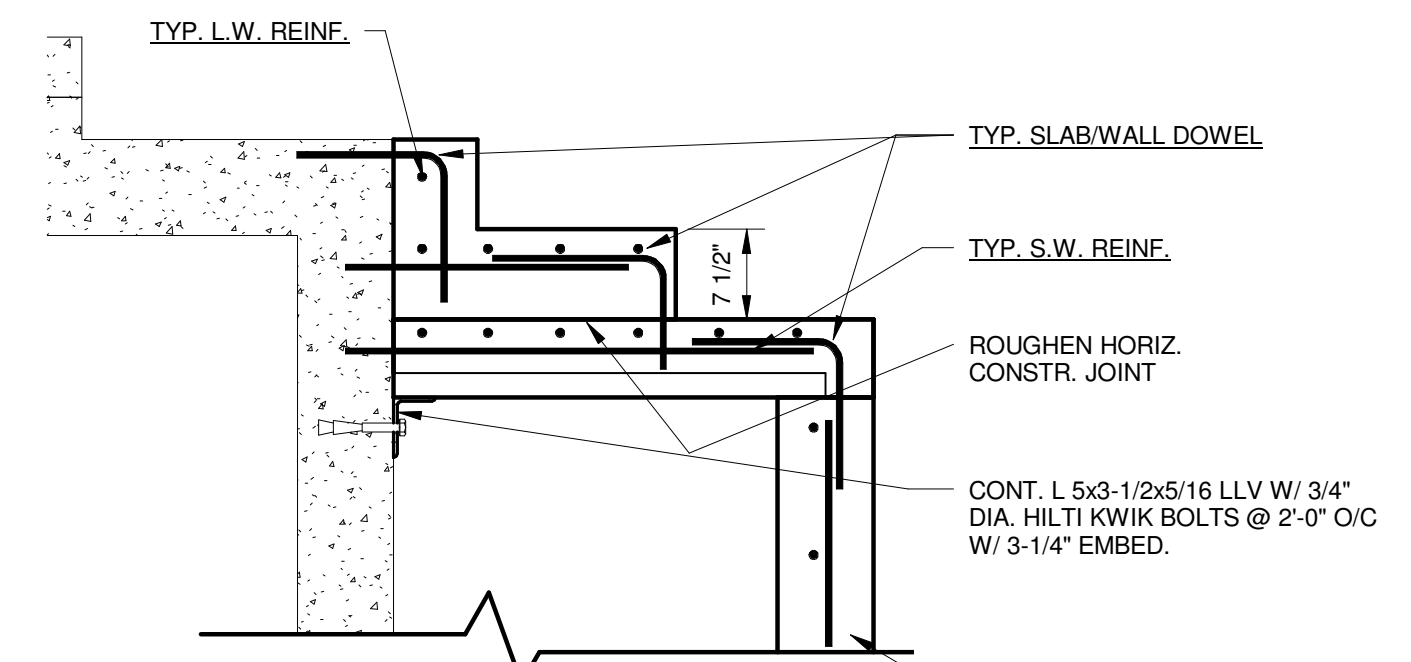
1. PROVIDE SMOOTH FORMED AND RUBBED FINISH ON ALL CONCRETE SURFACES EXPOSED TO VIEW IN THE PERMANENT CONDITION. THE DESIGN INTENT IS THAT NEW CONCRETE SURFACES SHALL BE OF EQUAL QUALITY OF THE ADJACENT EXISTING CONCRETE SURFACES, TYP.
2. PROVIDE 3/4" CHAMFER @ ALL SLAB EDGES (NOT SHOWN ON DETAILS)



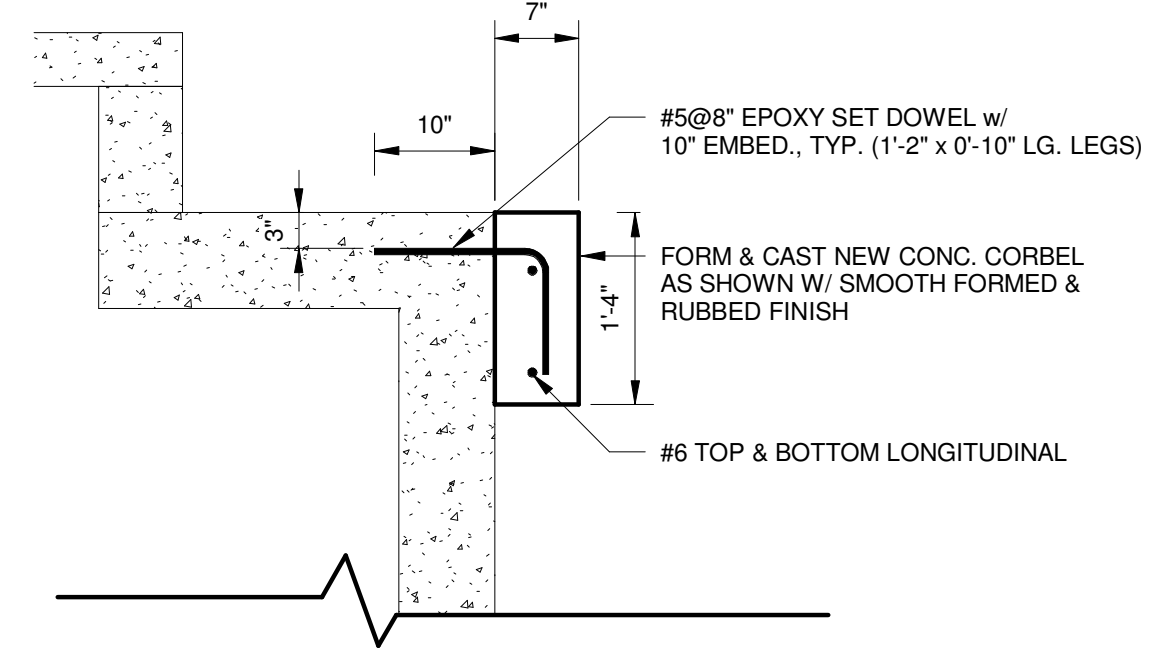
SECTION 1
1 1/2" = 1'-0"



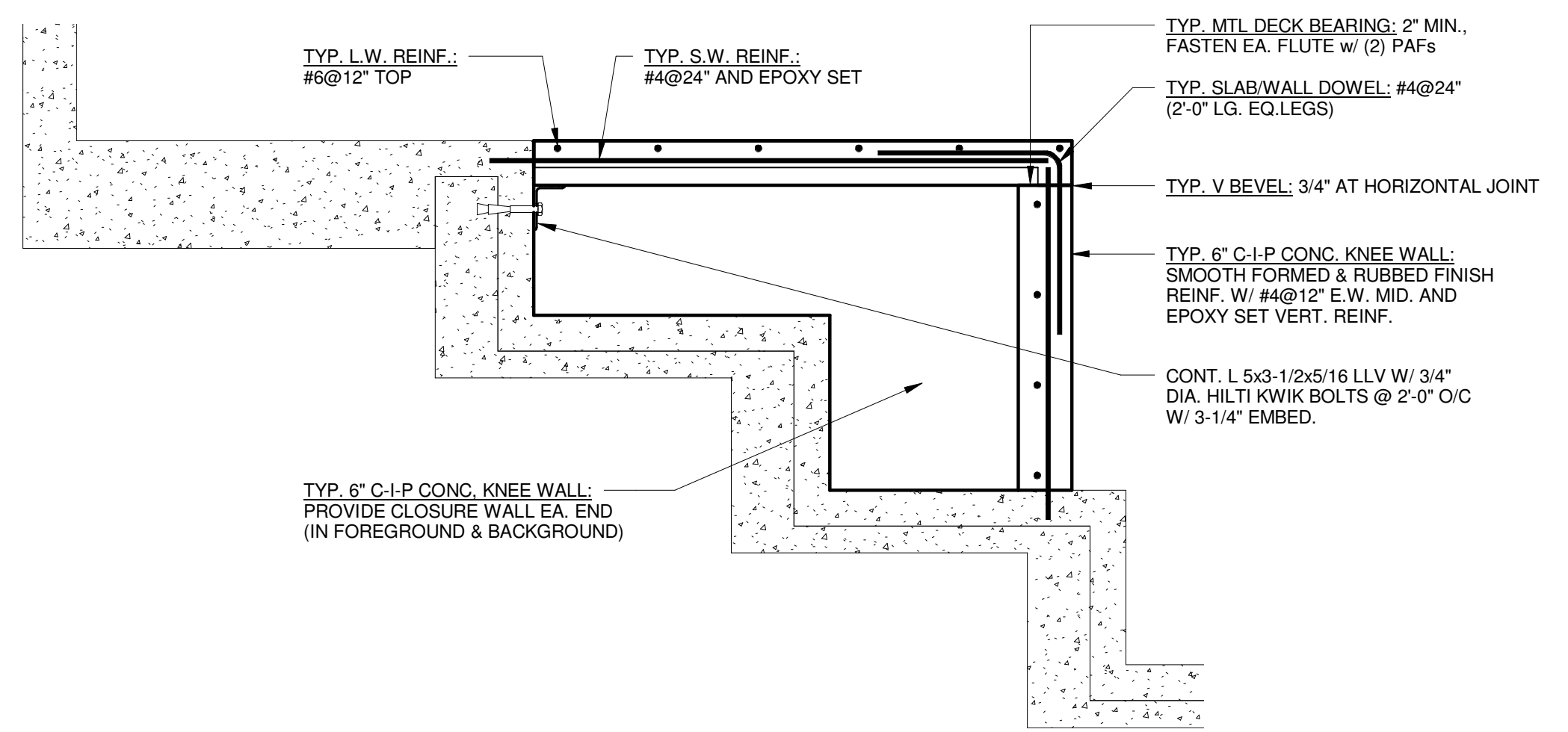
SECTION 2
1 1/2" = 1'-0"



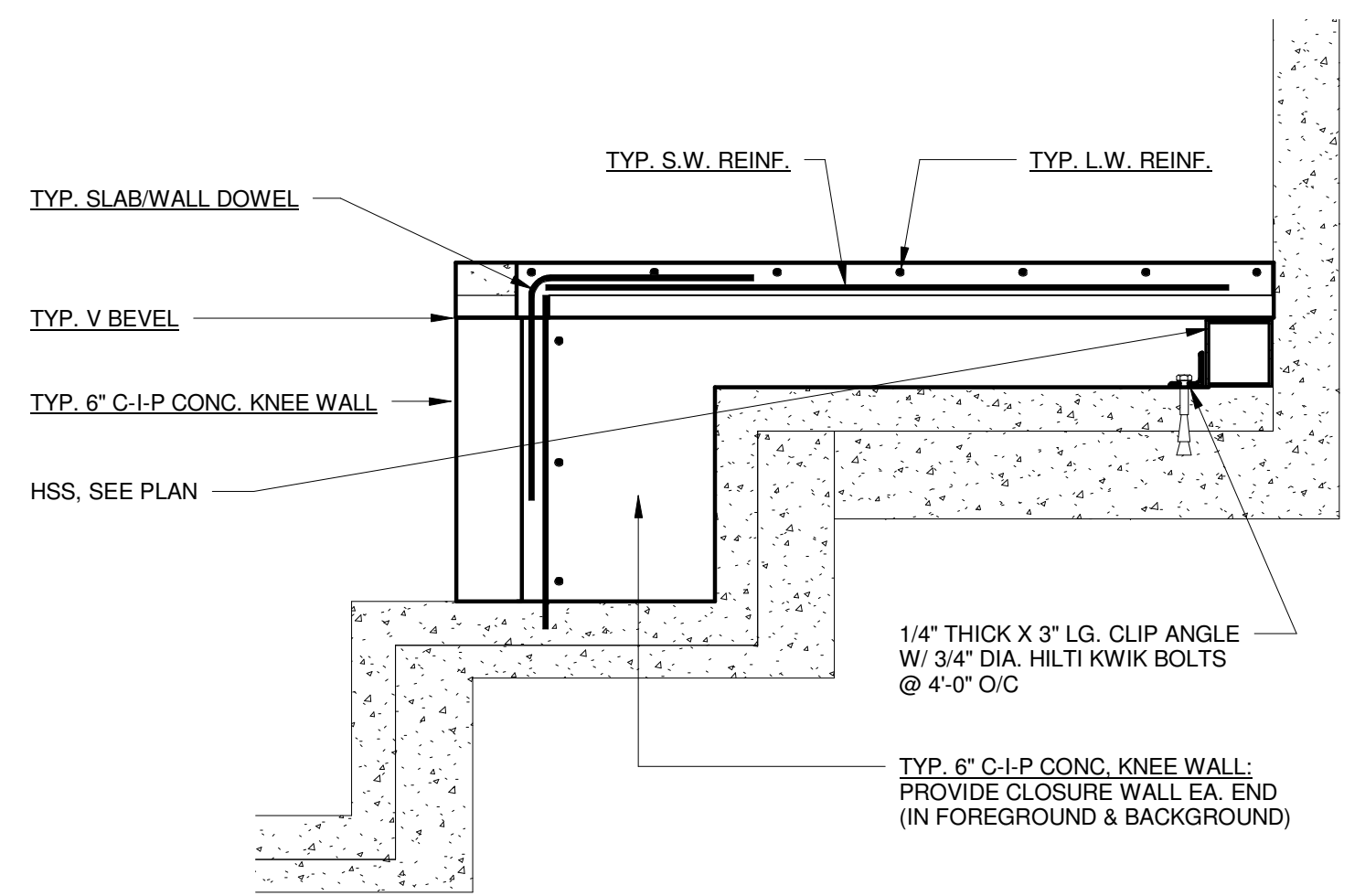
SECTION 3
3/4" = 1'-0"



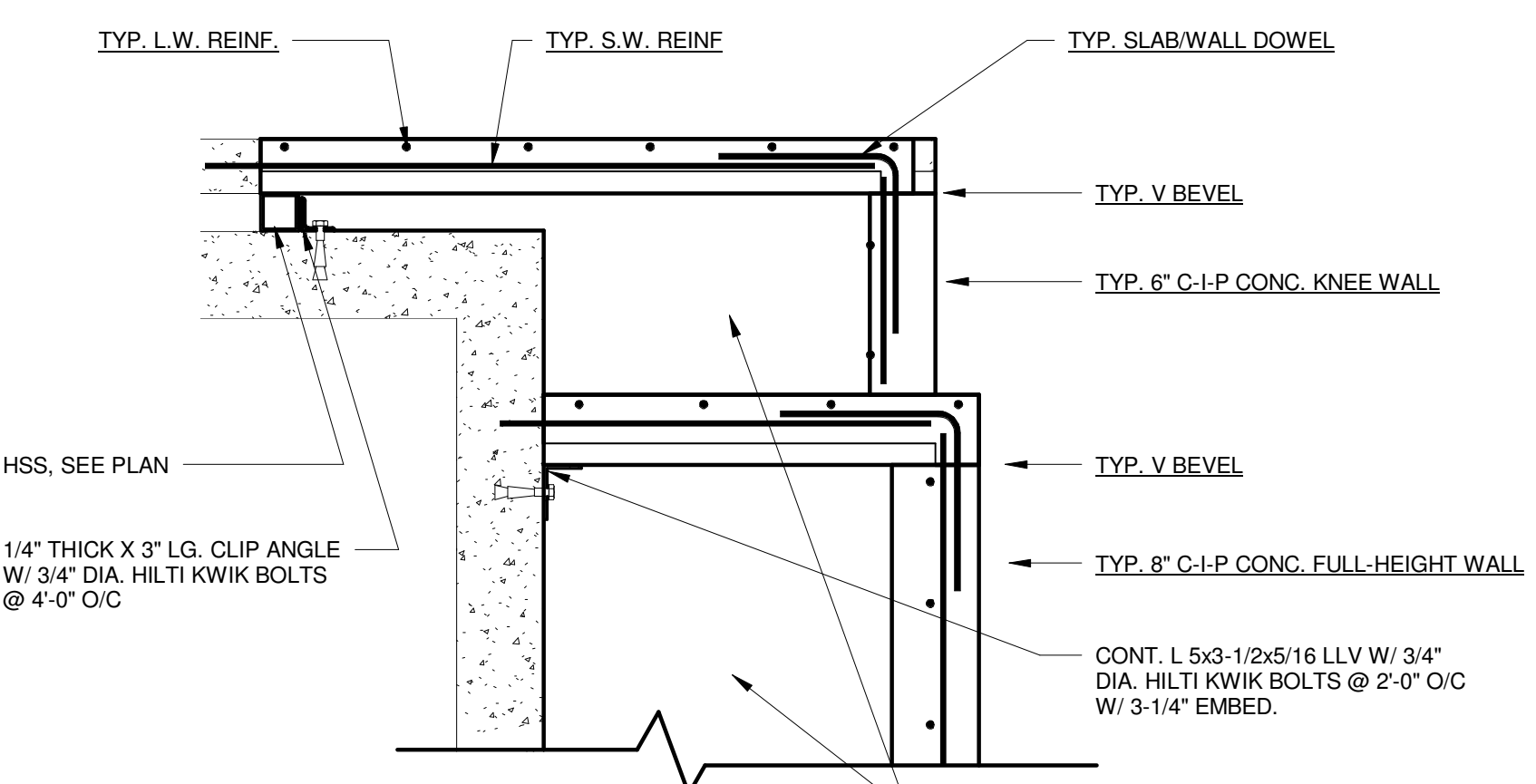
SECTION 4
3/4" = 1'-0"



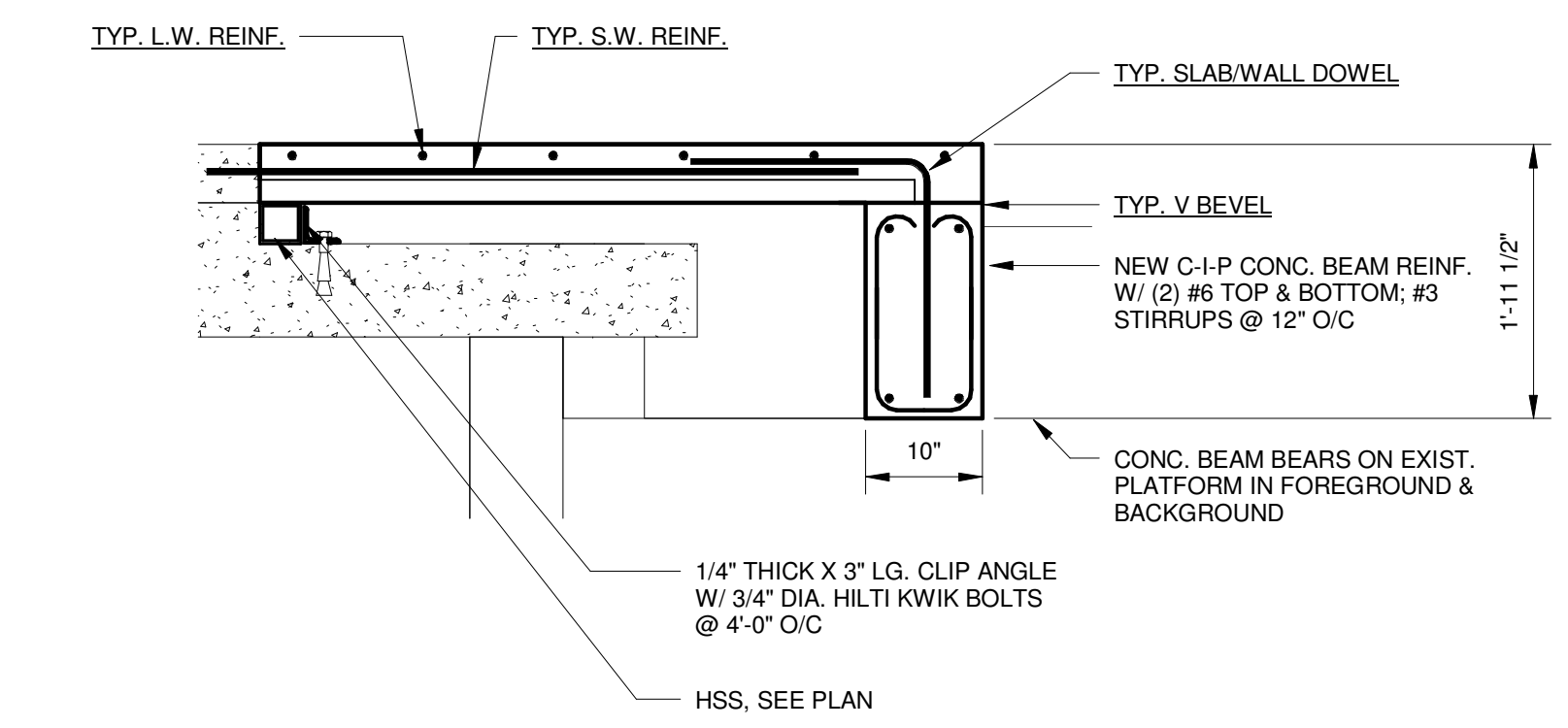
SECTION 6
3/4" = 1'-0"



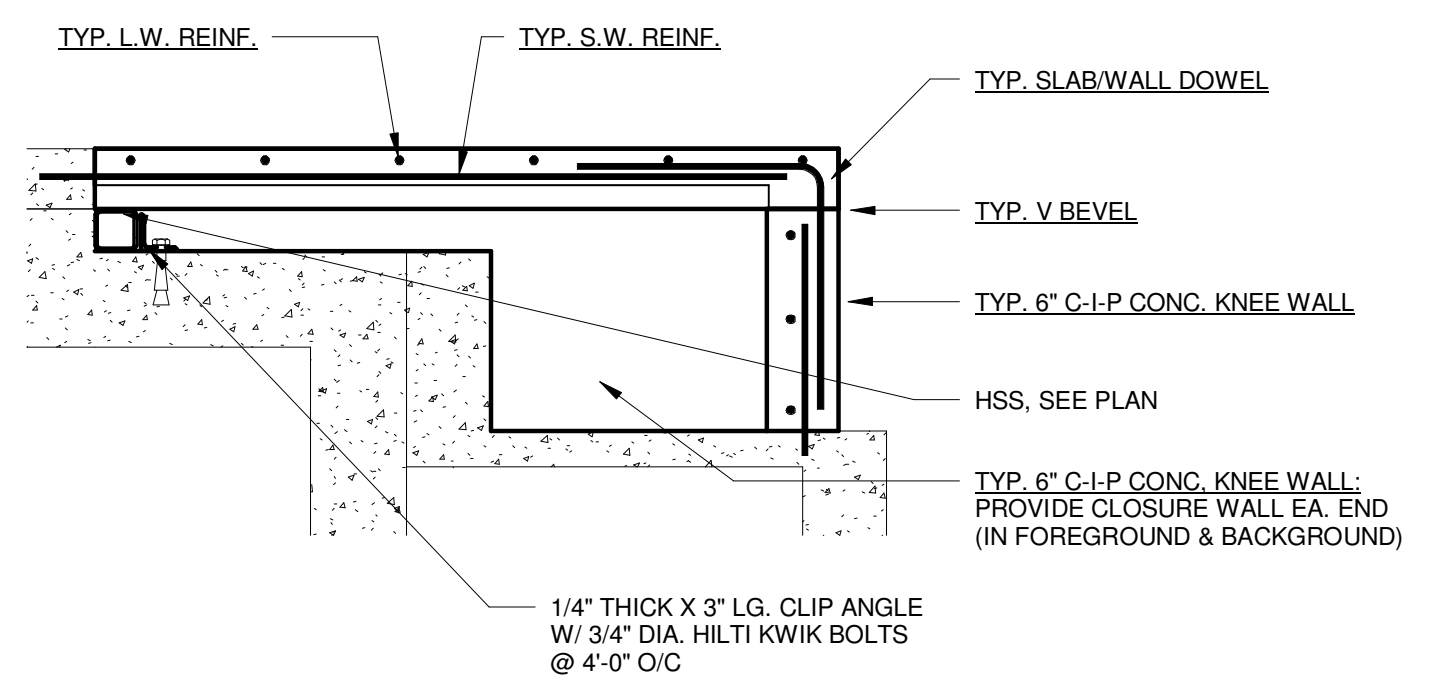
SECTION 7
3/4" = 1'-0"



SECTION 11
3/4" = 1'-0"



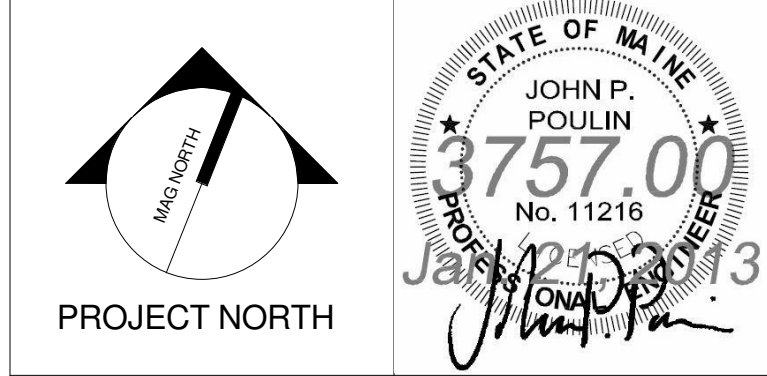
SECTION 12
3/4" = 1'-0"



SECTION 13
3/4" = 1'-0"

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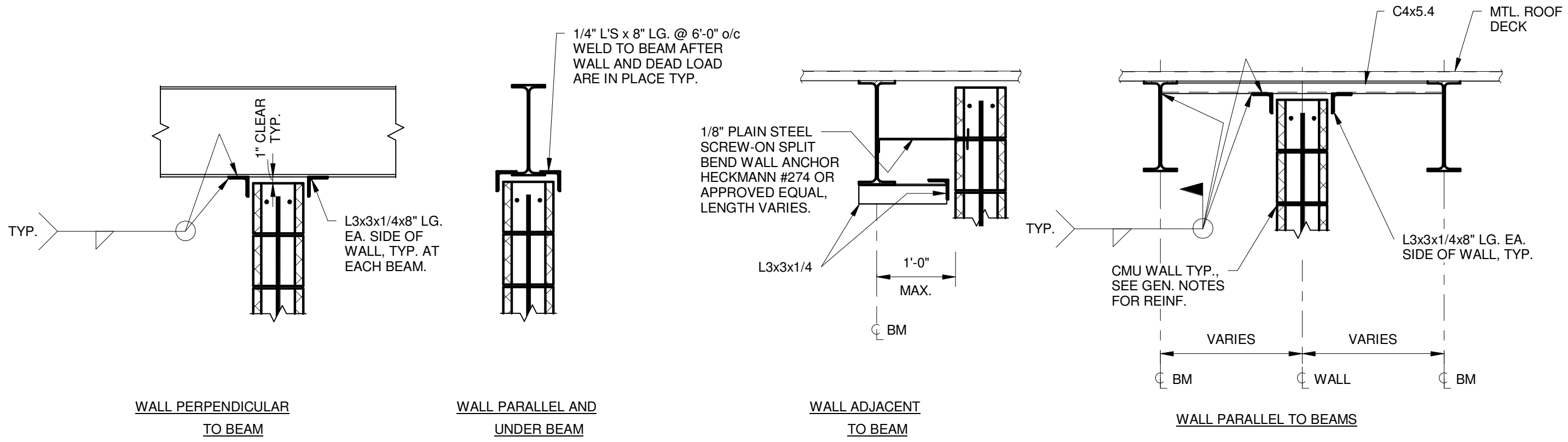
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

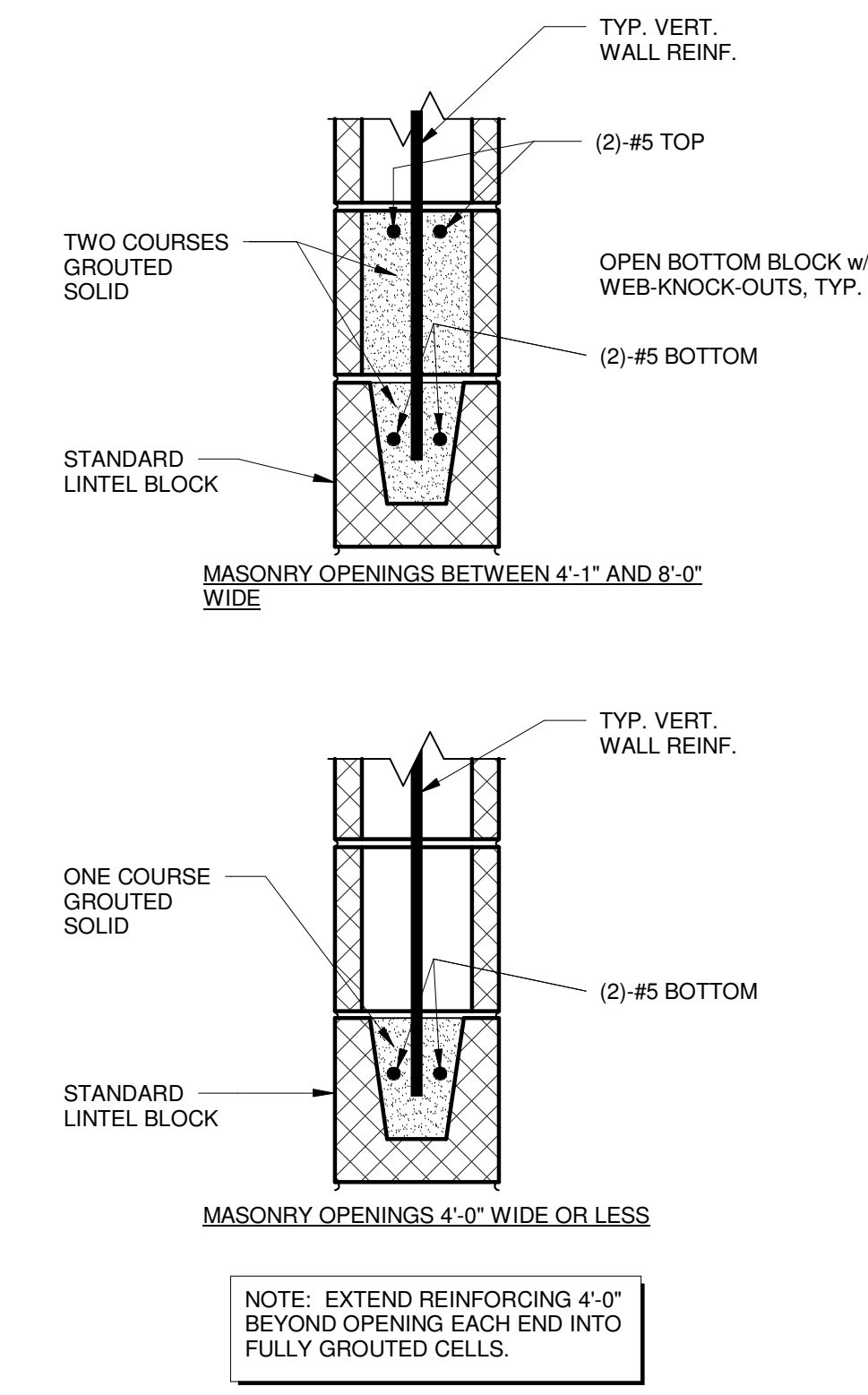
TYPICAL BOWL DETAILS

SHEET TITLE	
WBRC CAD FILE: C:\Users\jpp\Documents\375700 - CCCO Structure_dethlefs\detail.dwg	
PROJECT No. 3757.00	GRAPHIC SCALE 1" = 1'-0"
SCALE: As indicated	
PROJECT MANAGER: JRB	SHEET No.
DRAWN BY: JET	54.00
CHECKED BY: JPP	

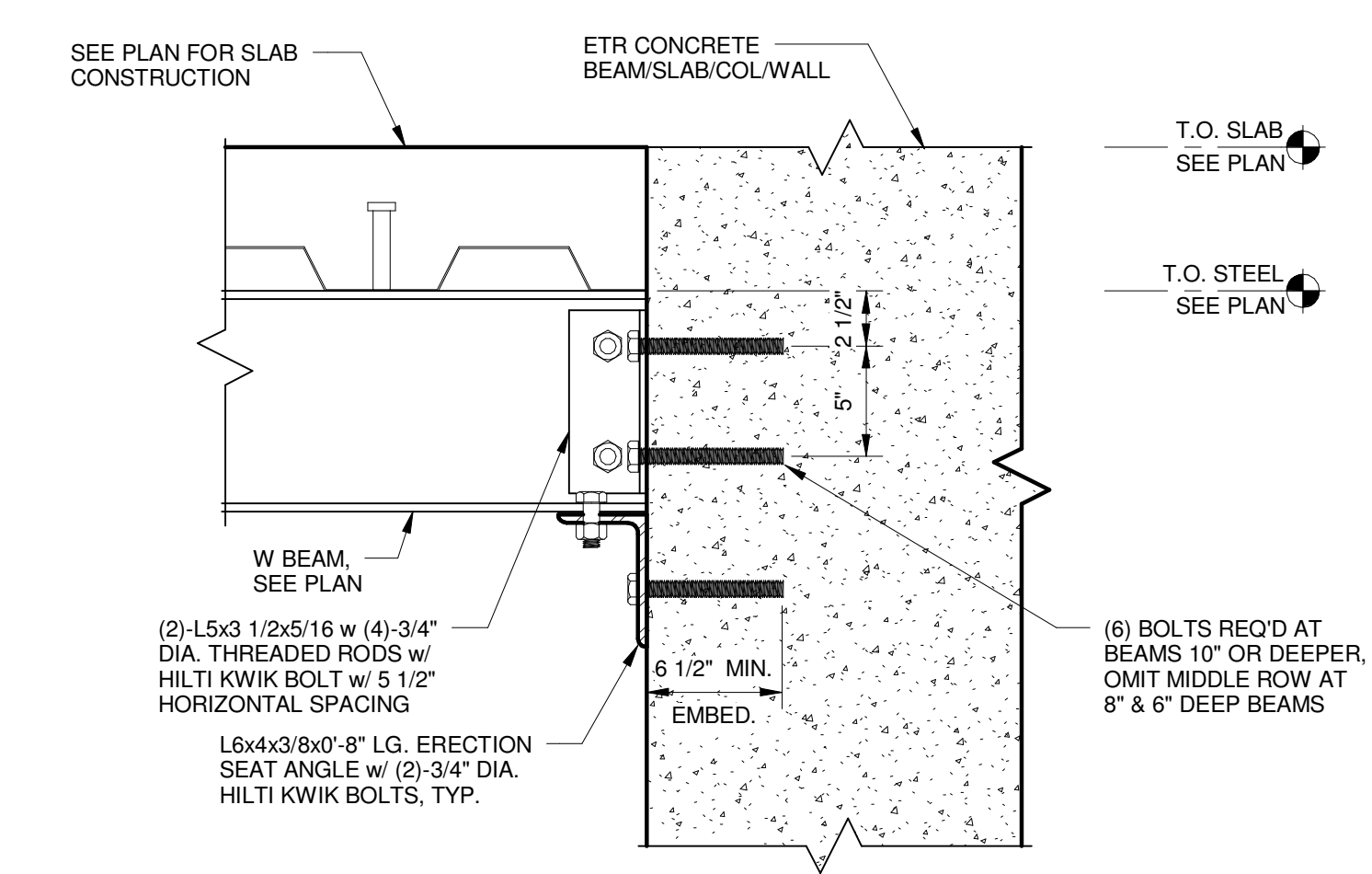
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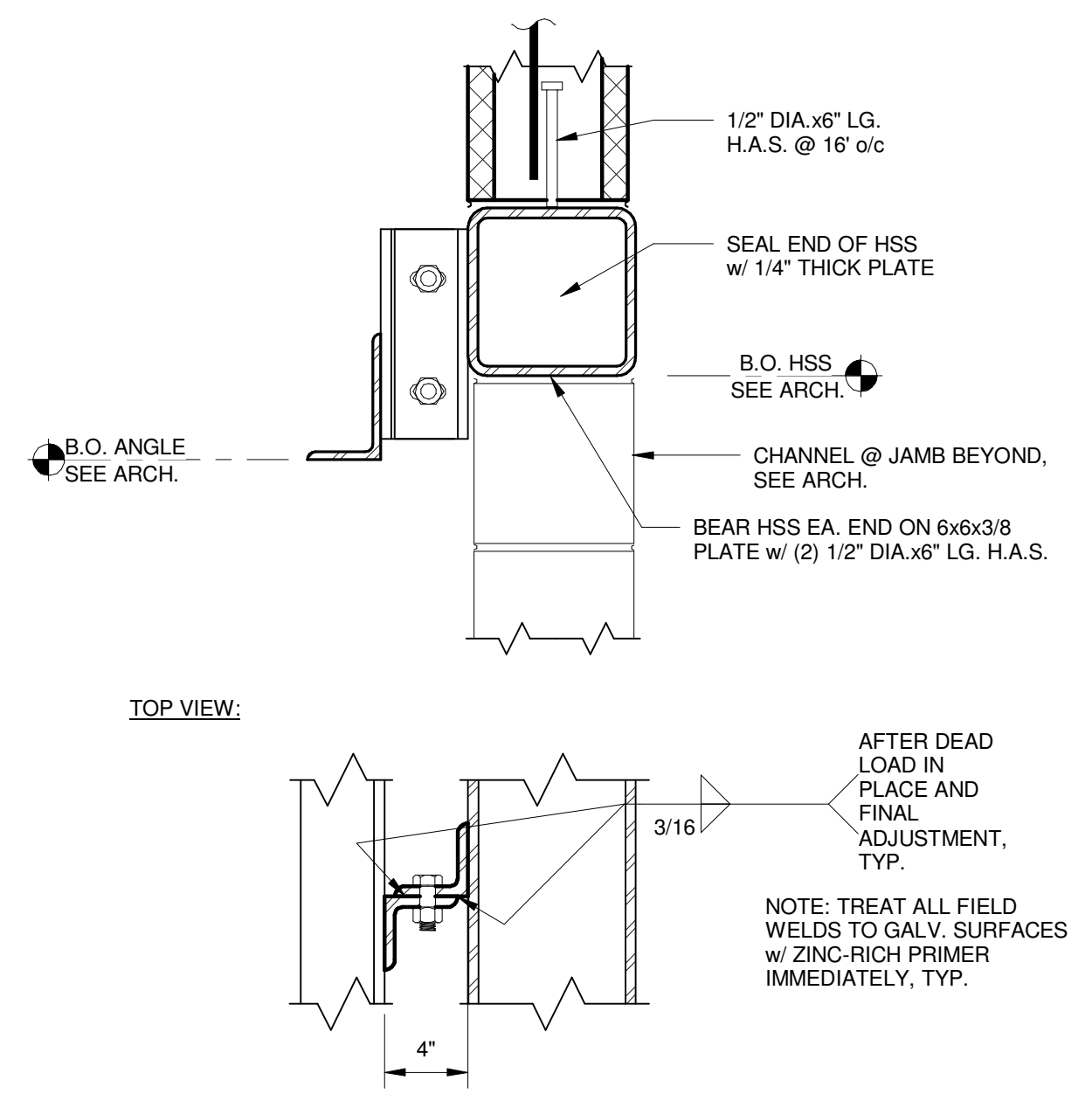
16 TYPICAL CMU WALL LATERAL RESTRAINTS
3/4" = 1'-0"



17 TYP. REINF. AT CMU OPENING
1 1/2" = 1'-0"

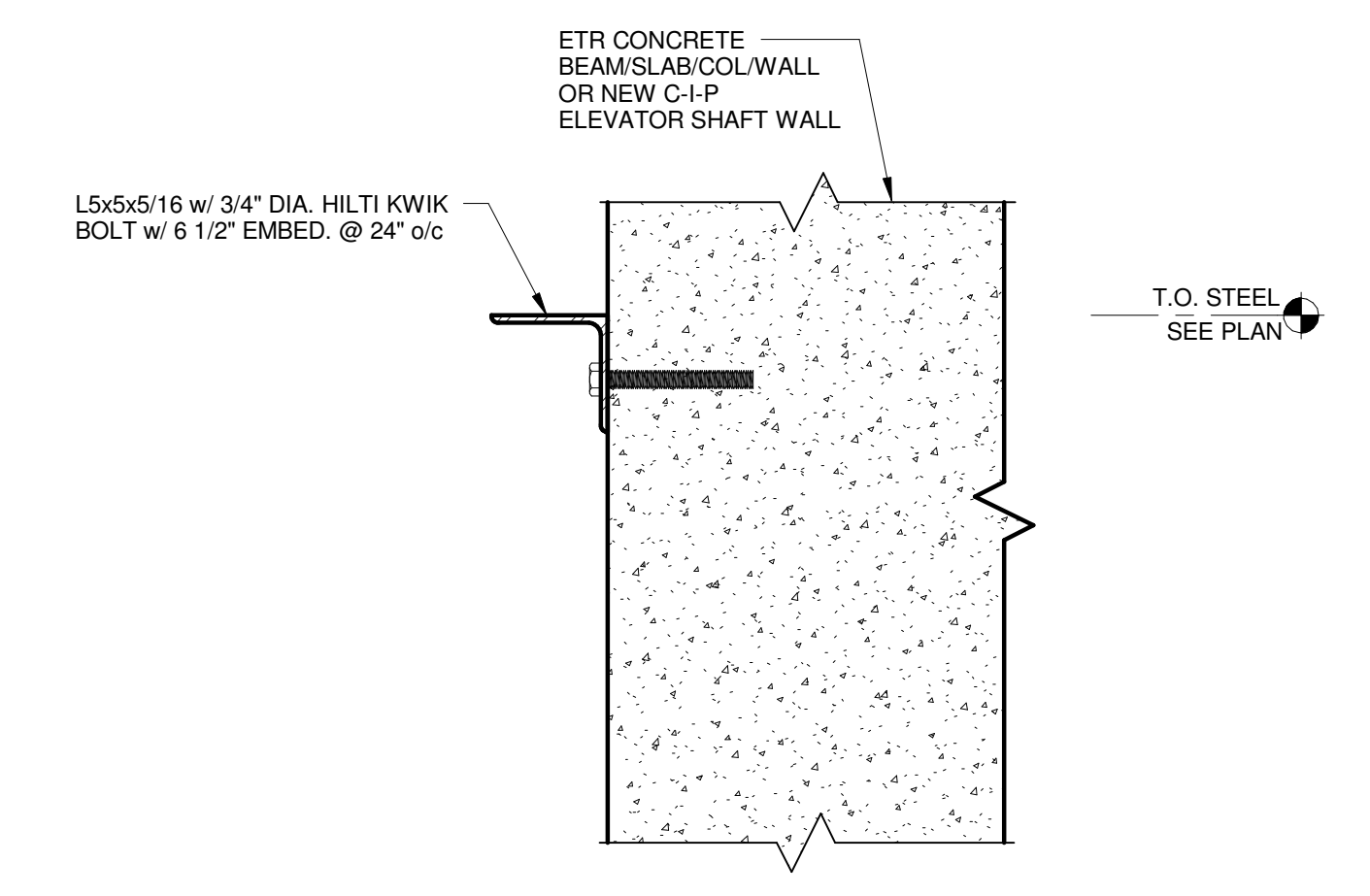


18 TYPICAL BEAM TO ETR CONCRETE
1 1/2" = 1'-0"

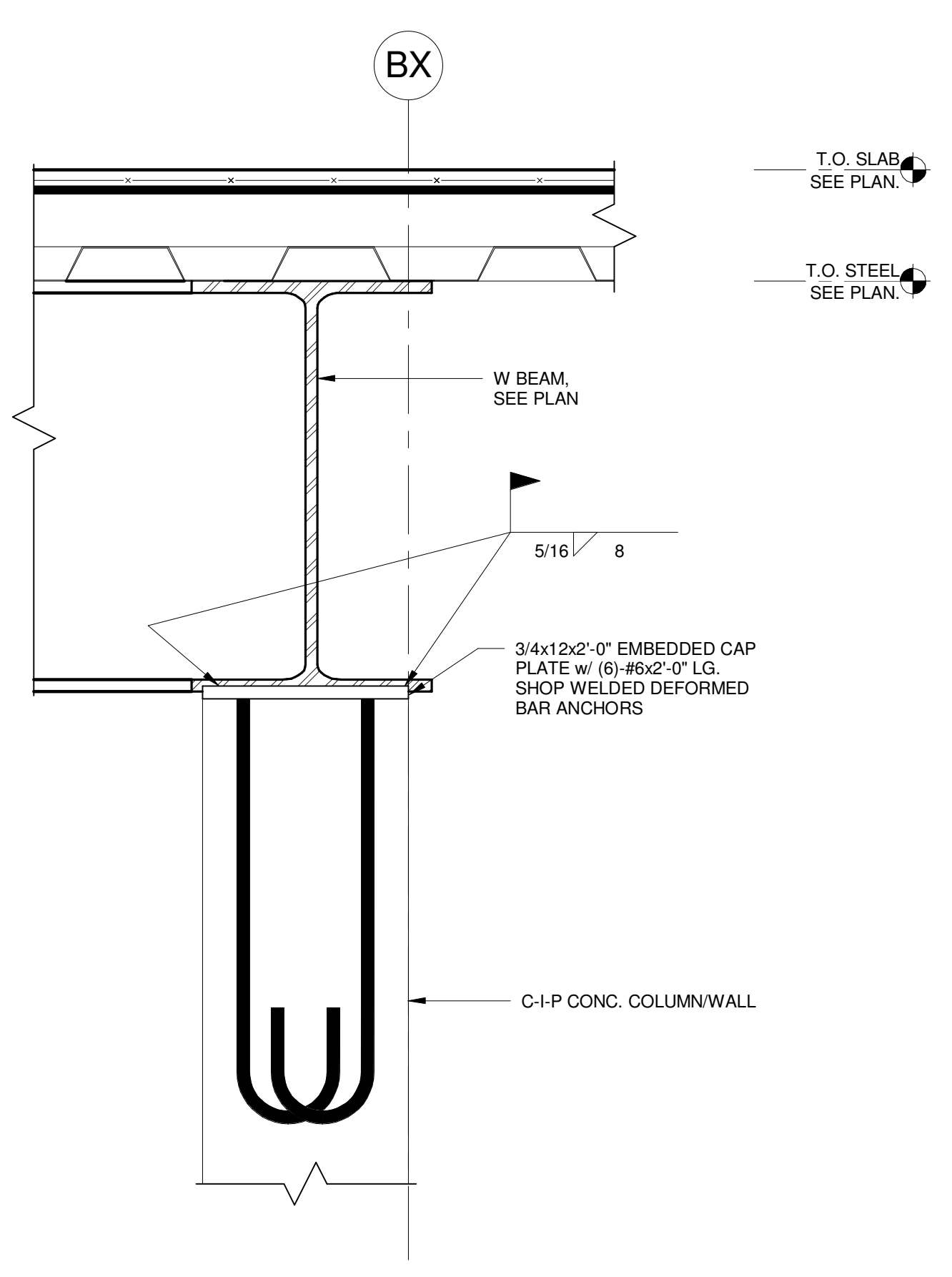


21 SECTION
1 1/2" = 1'-0"

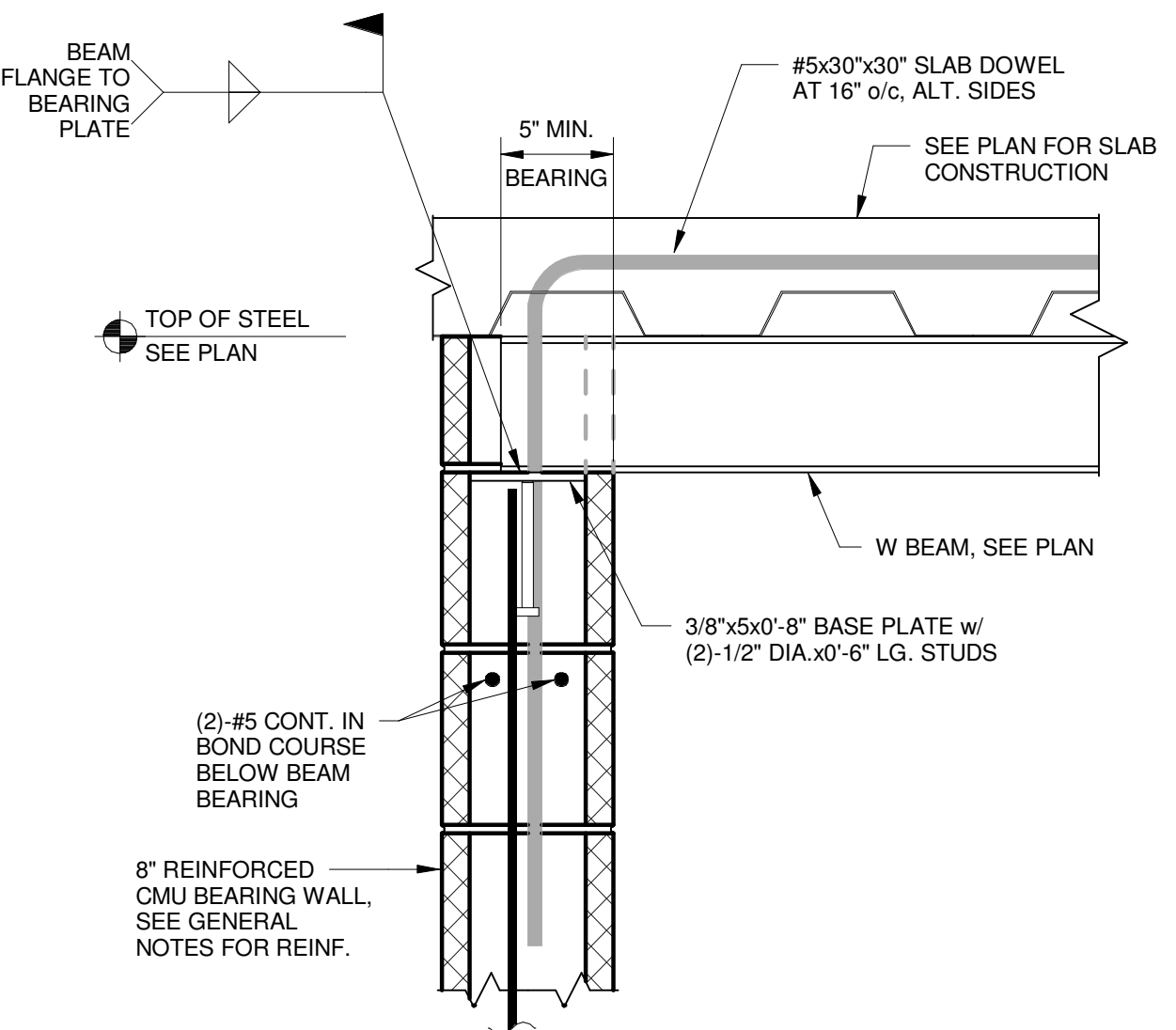
22 TYPICAL OPERABLE PARTITION OVERHEAD SUPPORT DETAIL
1 1/2" = 1'-0"



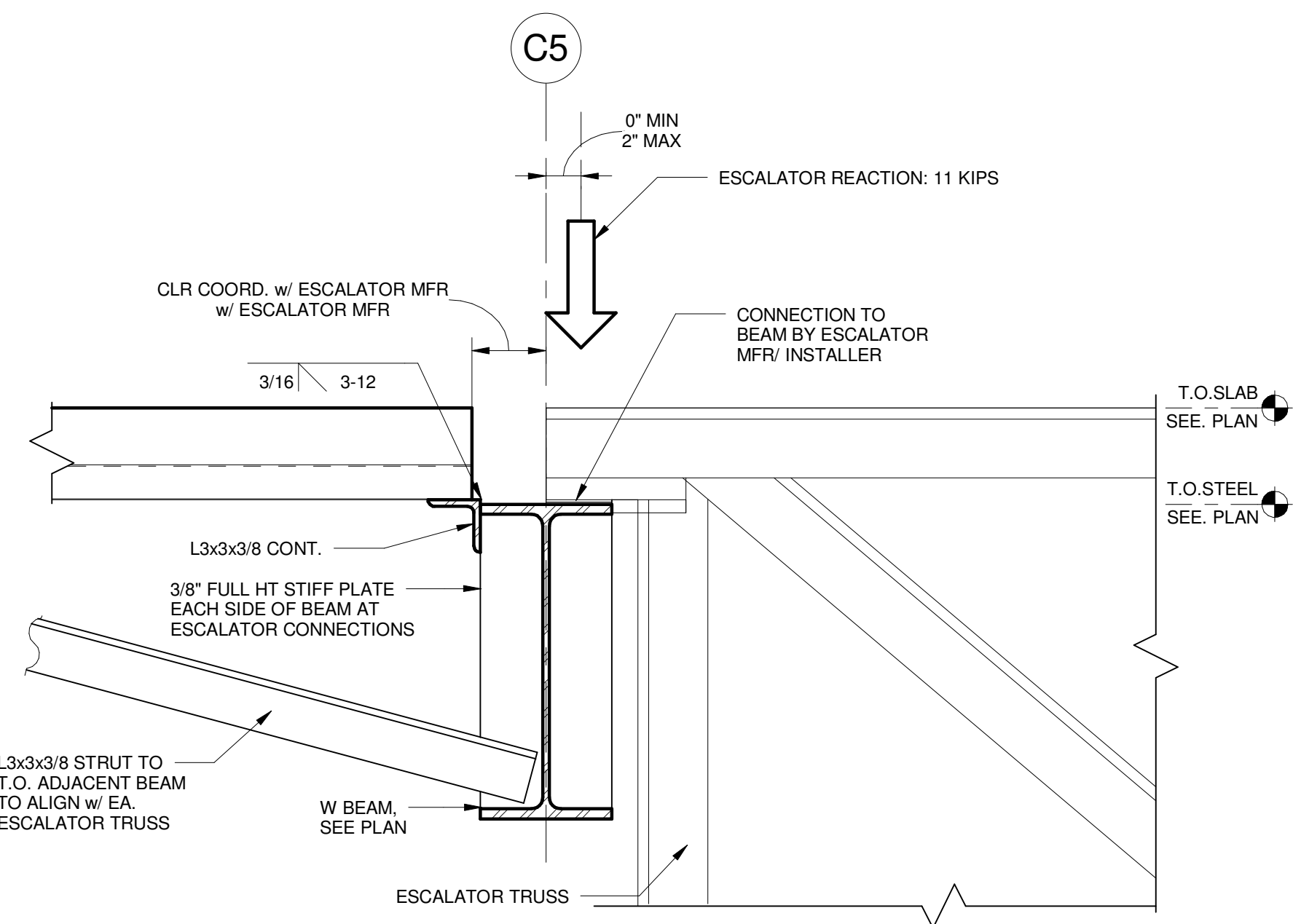
23 TYPICAL POST INSTALLED ANGLE LEDGER
1 1/2" = 1'-0"



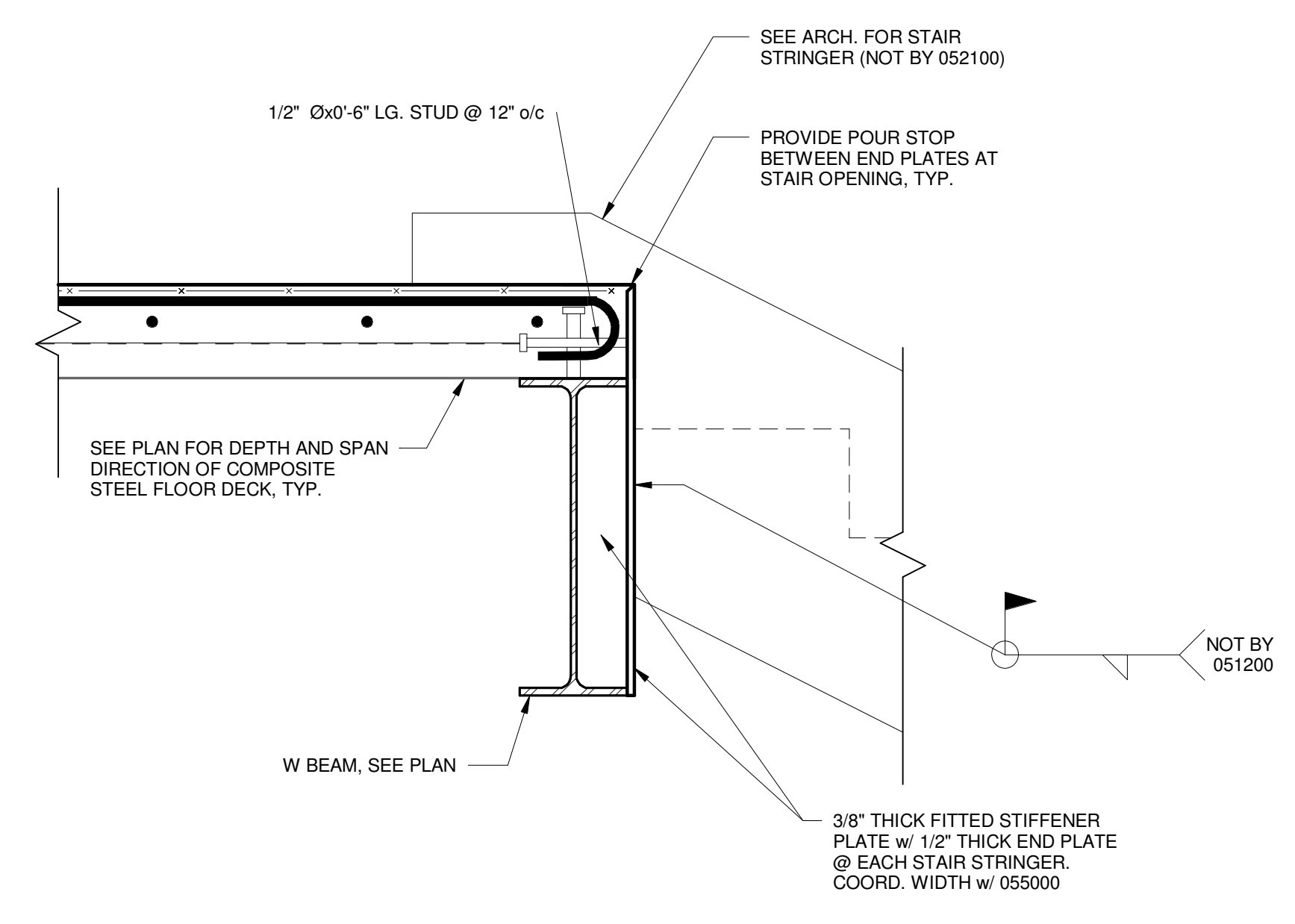
26 SECTION
1 1/2" = 1'-0"



27 TYP. BEAM POCKET AT REINF. CMU WALL
1 1/2" = 1'-0"



28 SECTION
1 1/2" = 1'-0"



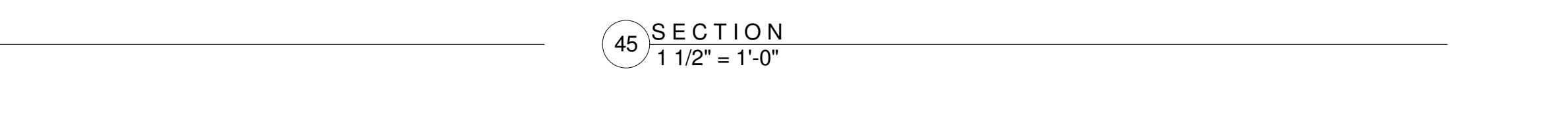
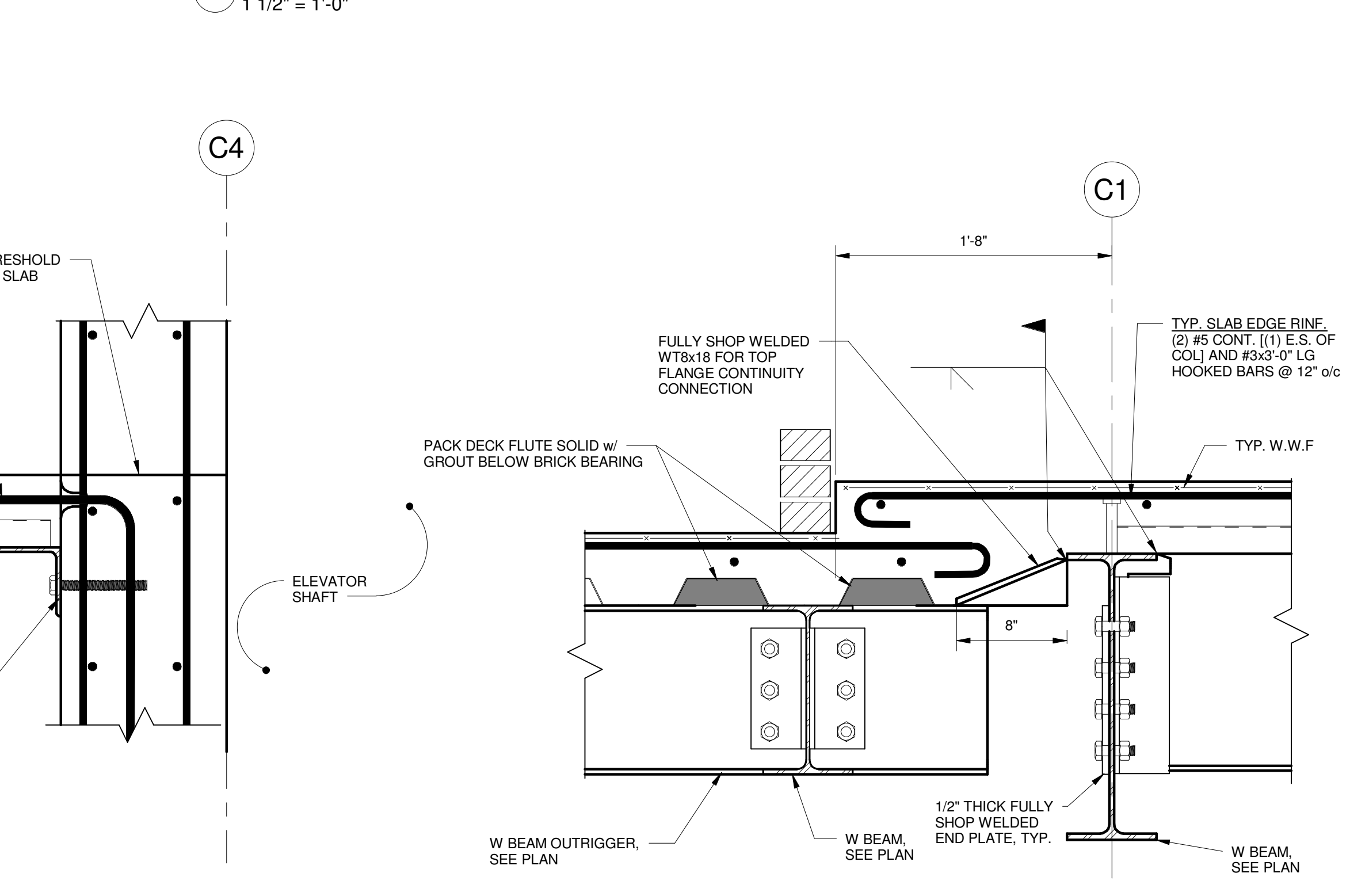
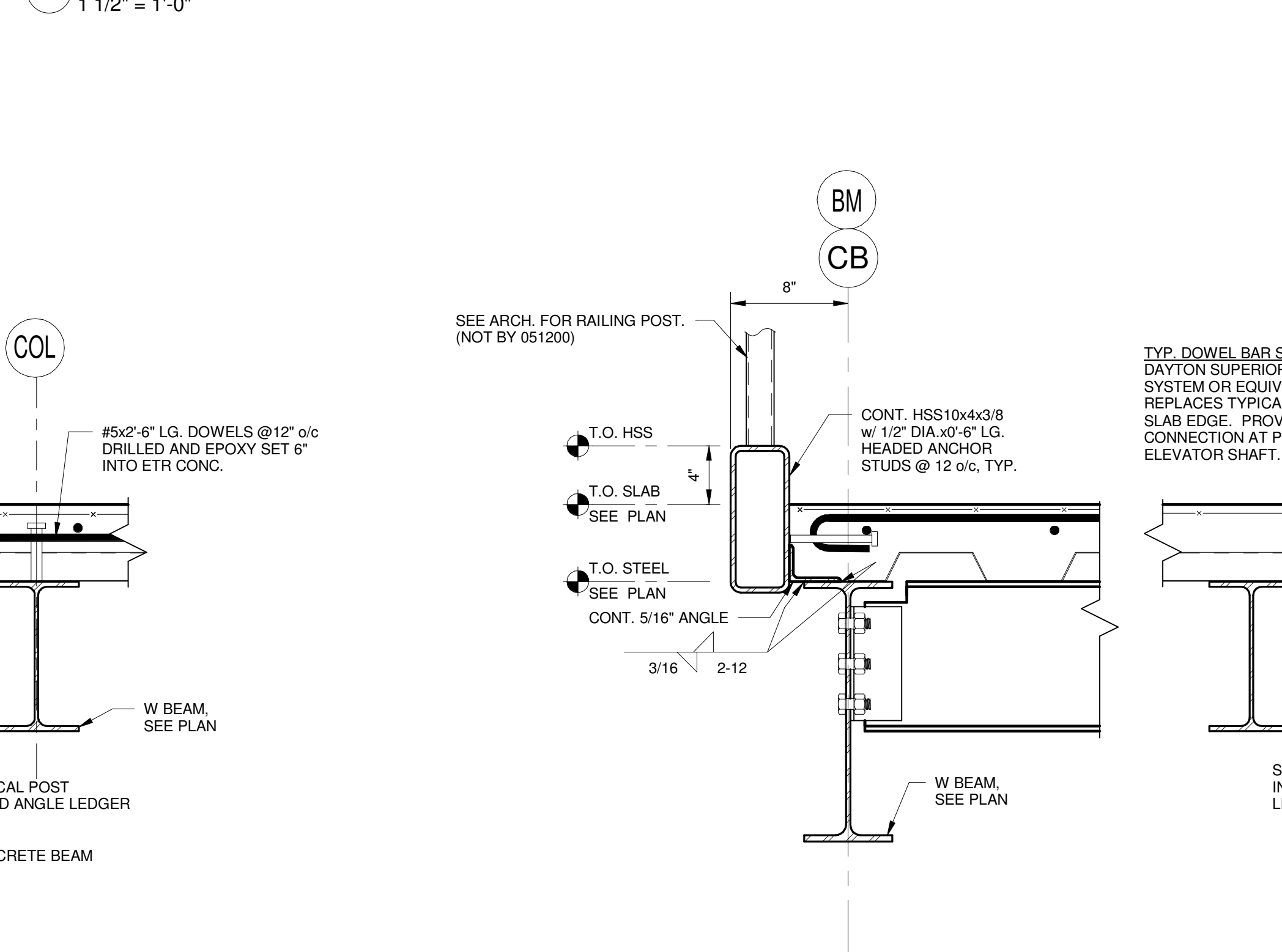
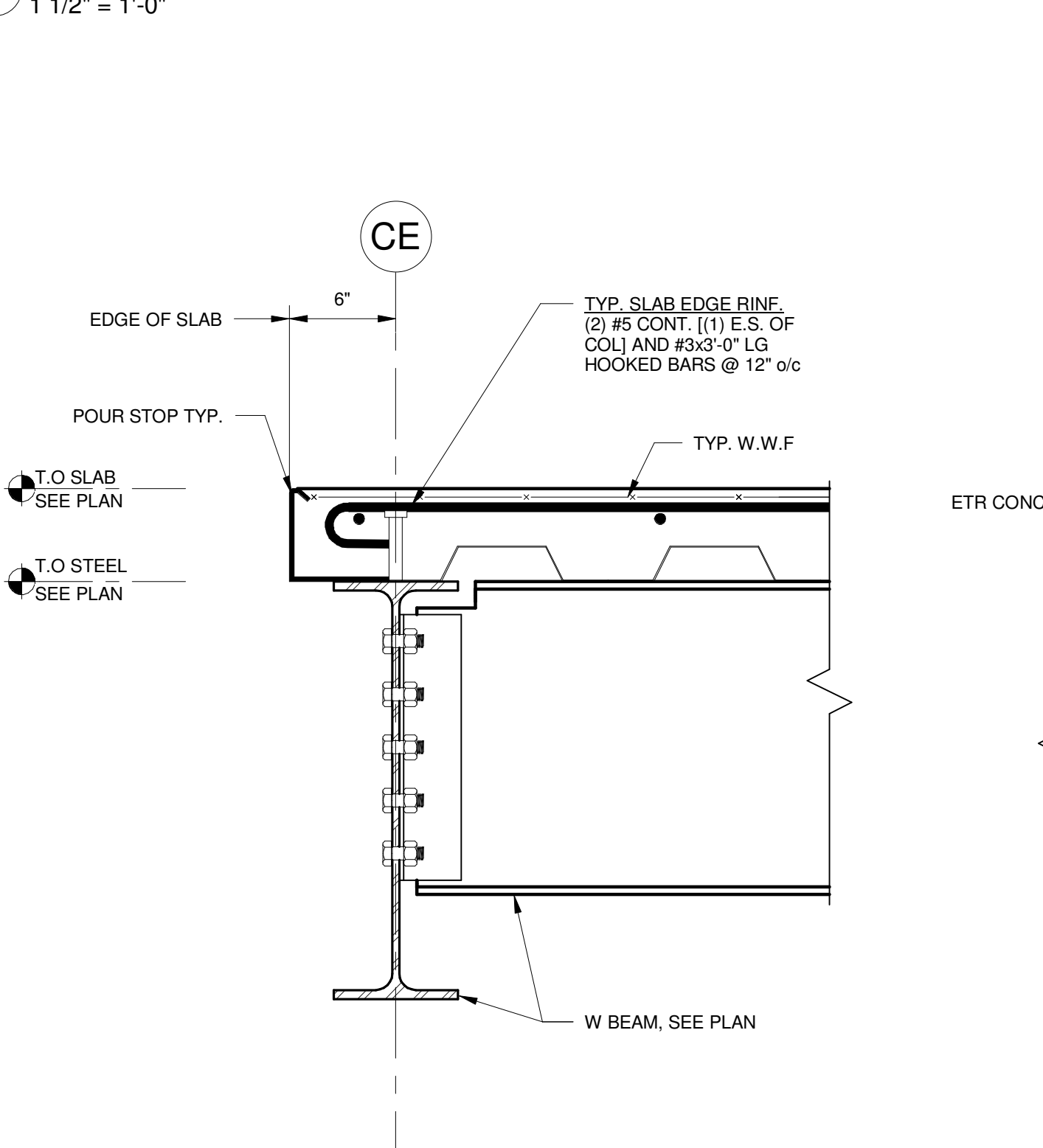
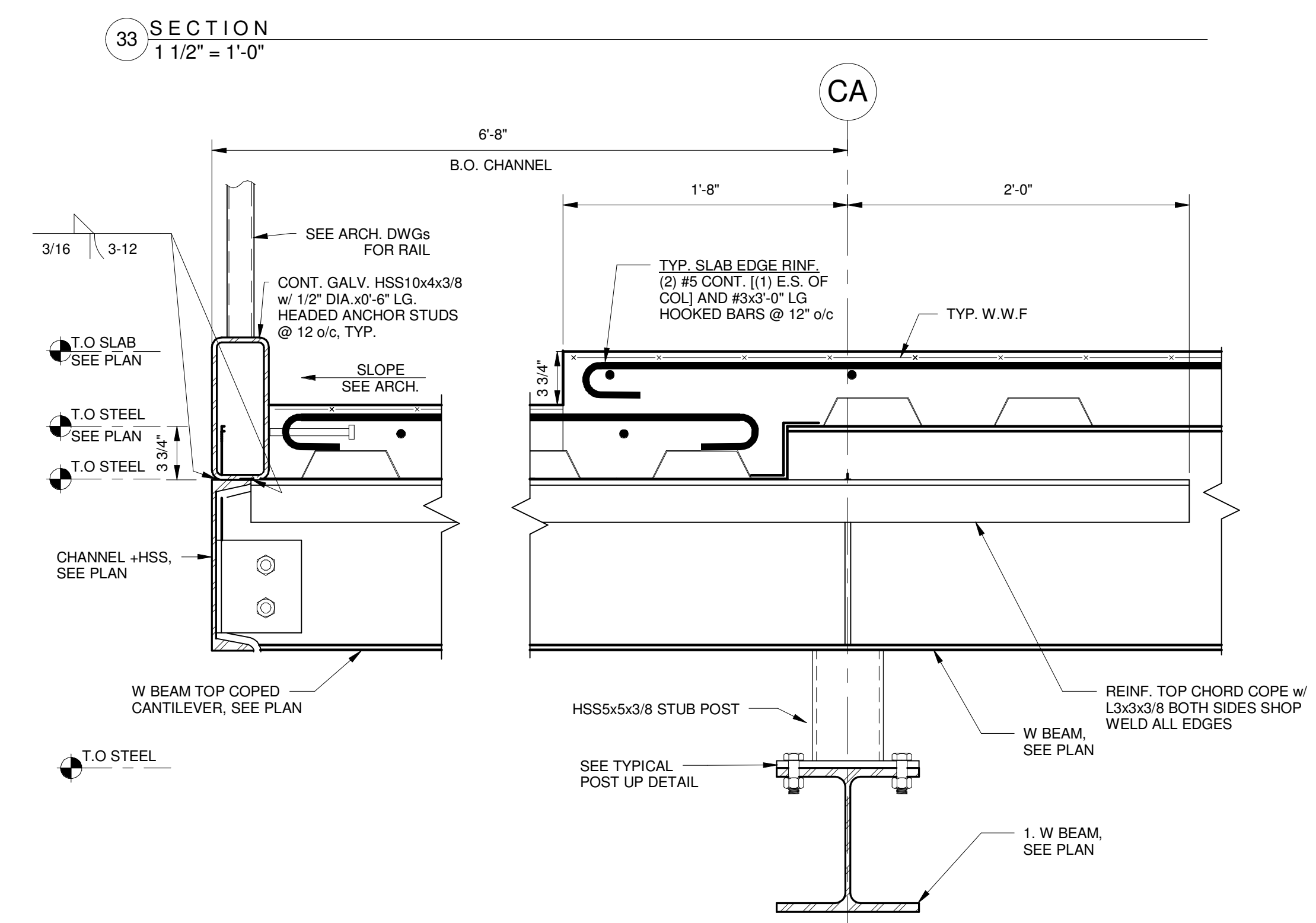
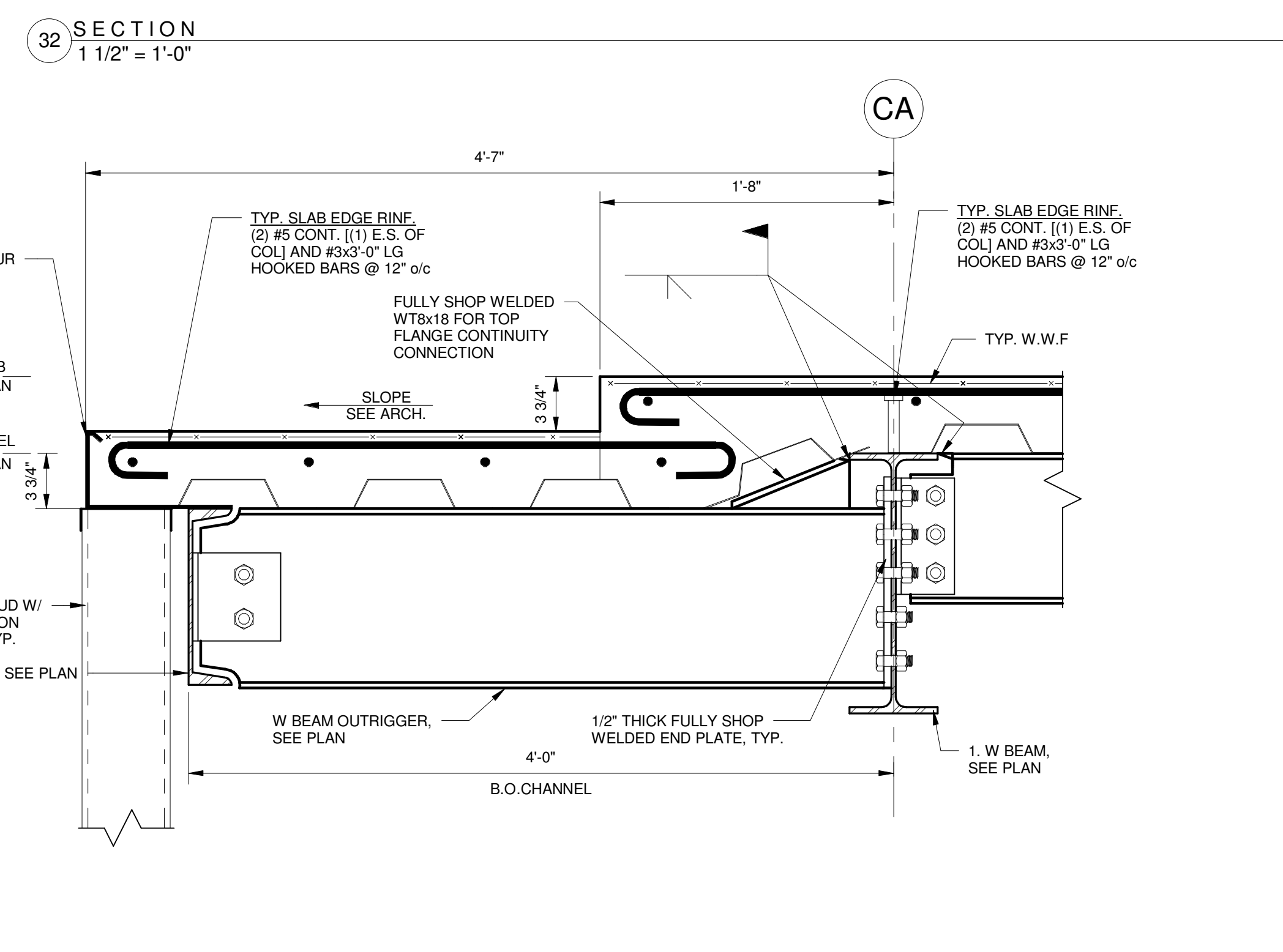
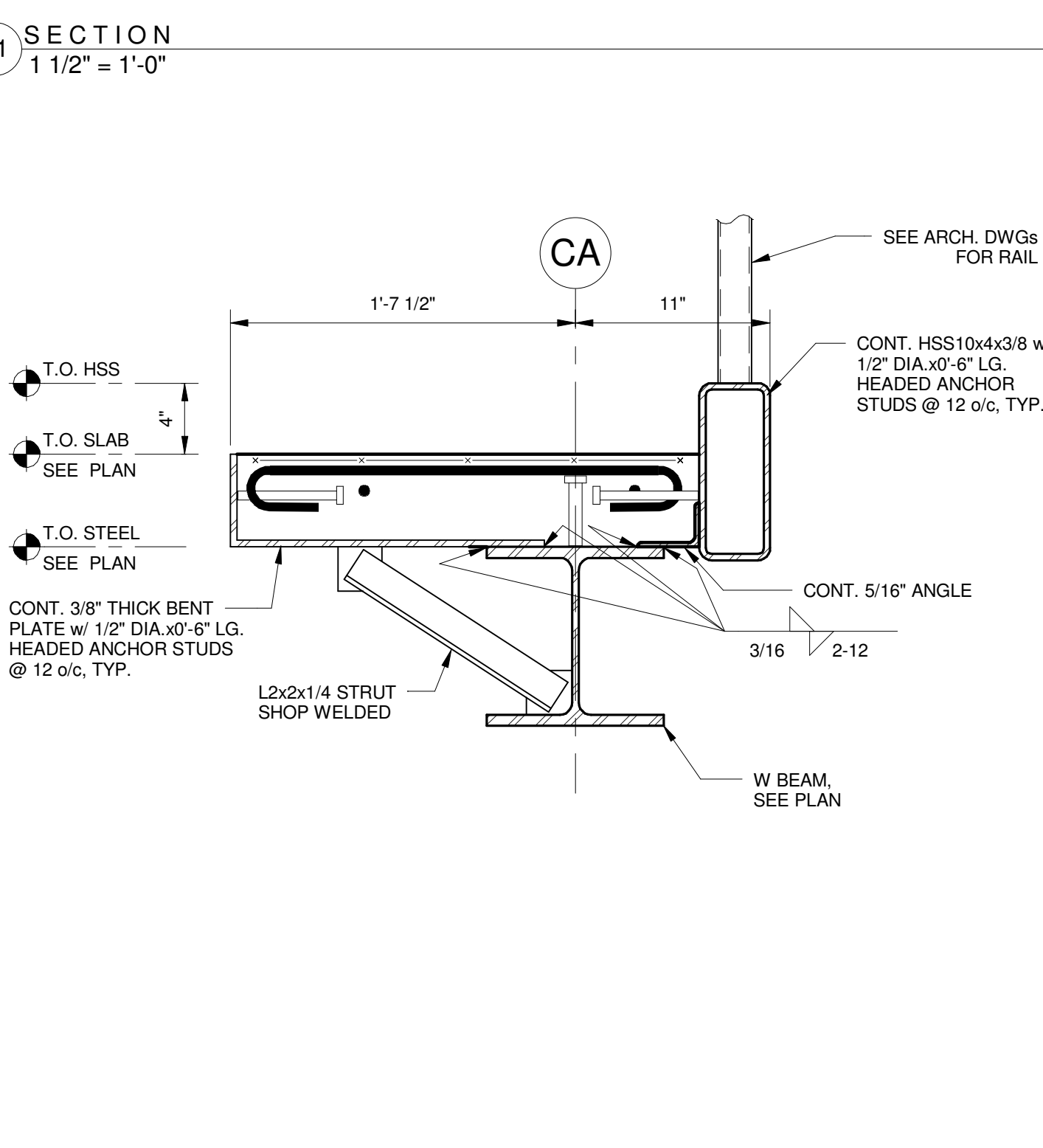
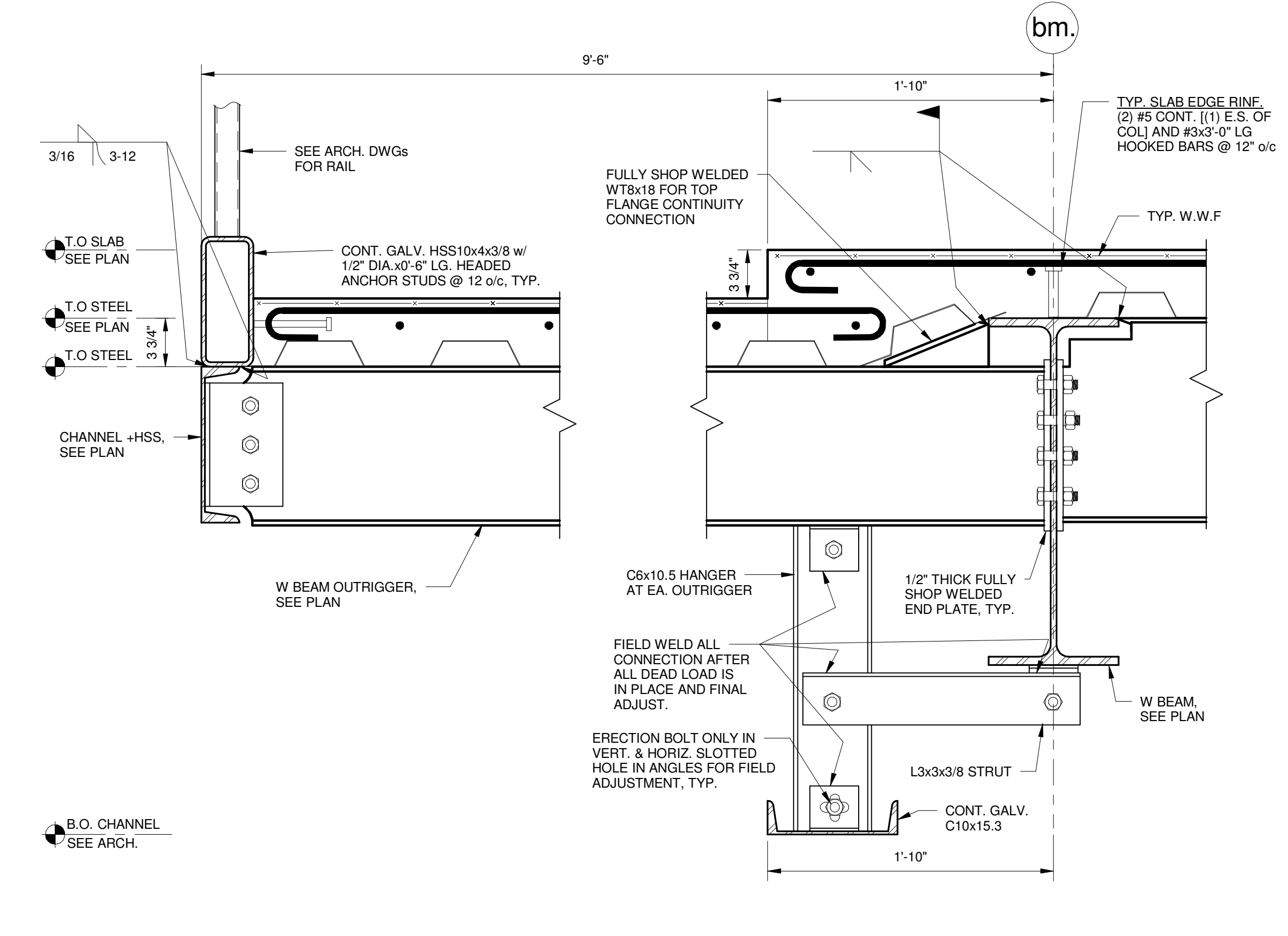
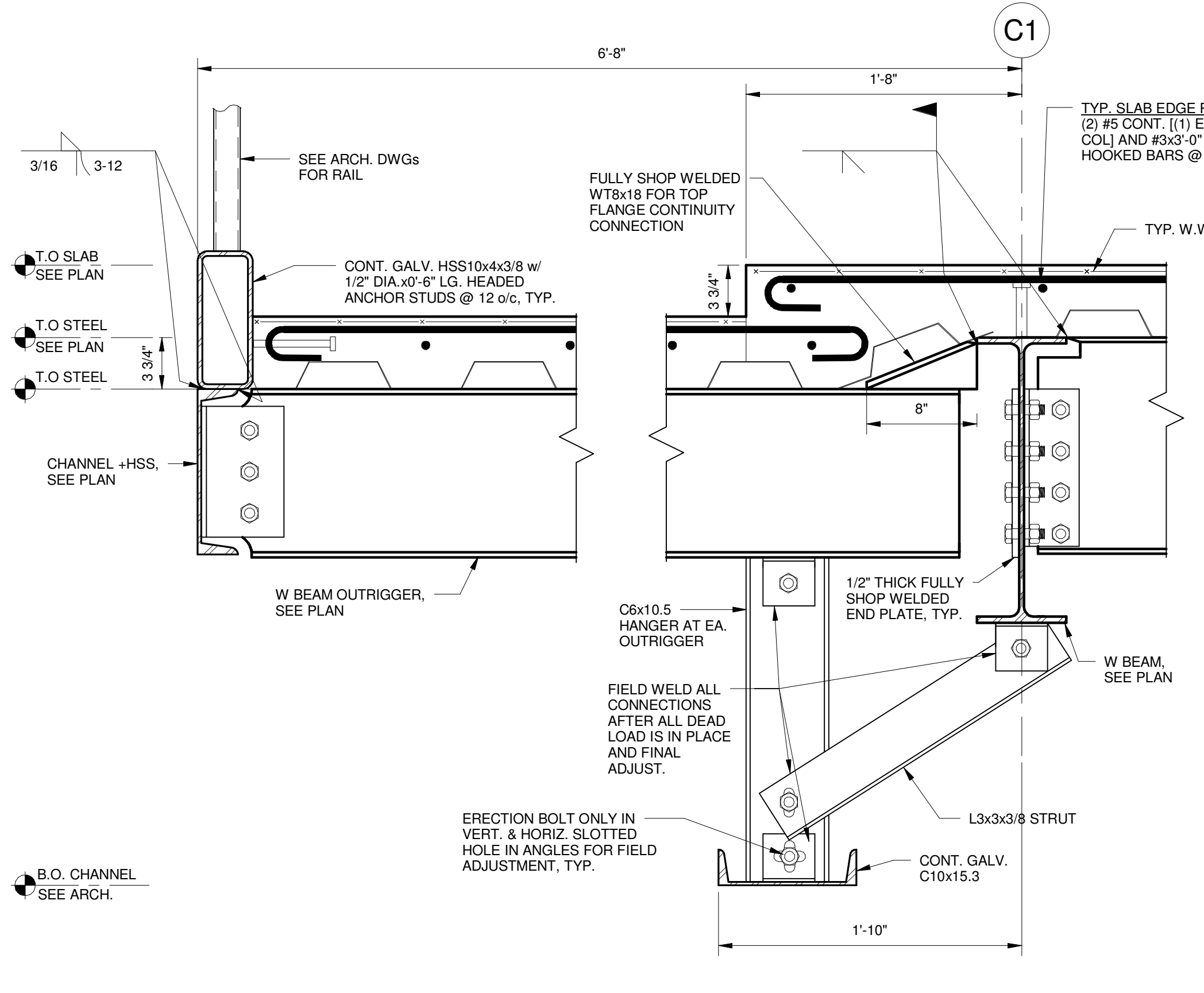
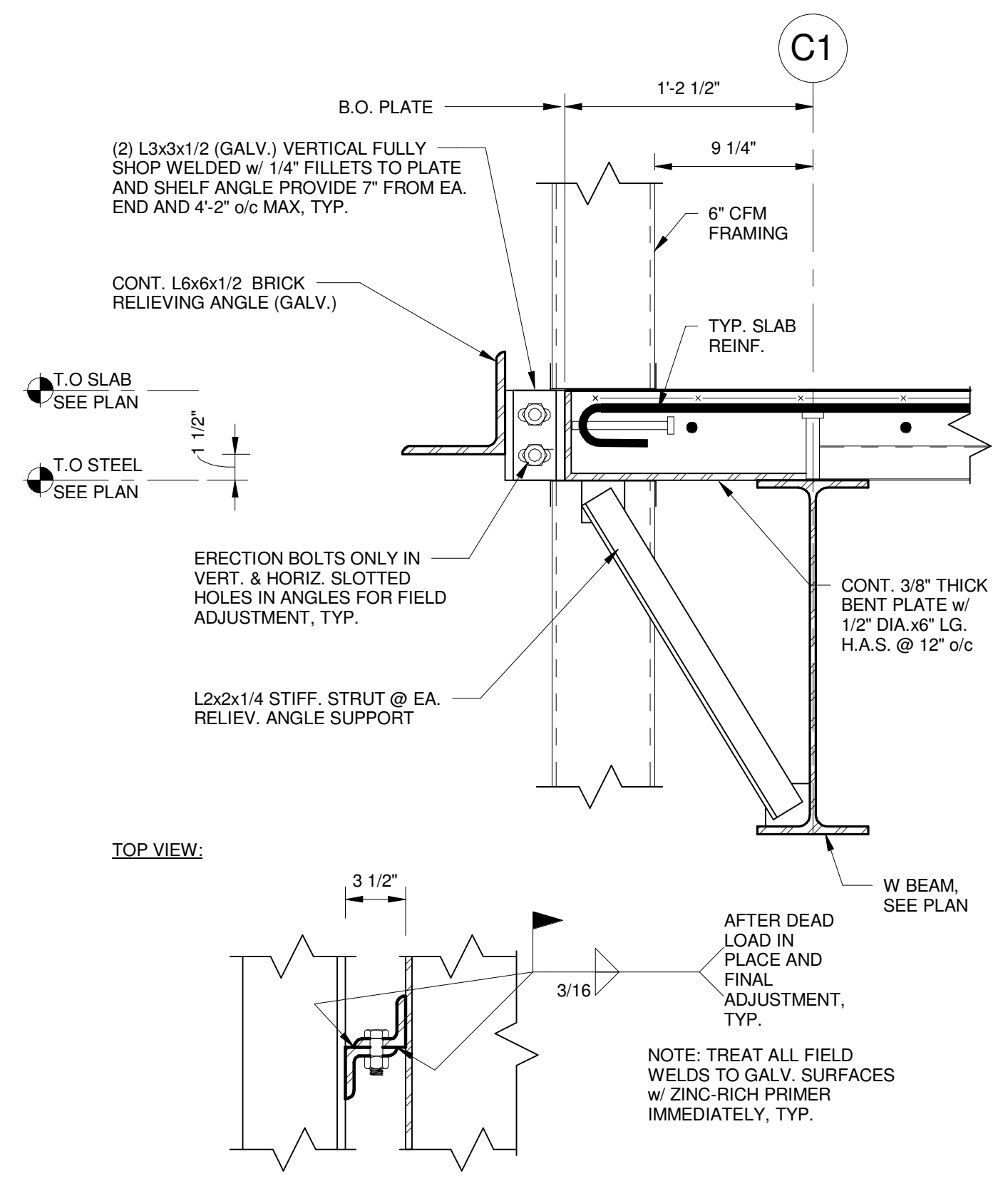
29 SECTION
1 1/2" = 1'-0"

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION		
PORTLAND, MAINE		
TYPICAL FRAMING DETAILS		
SHEET TITLE		
WBRC CAD FILE: C:\Users\jpd\peller\Documents\375700 - CCCC Structure_dwg\peller.rvt		
PROJECT No.	3757.00	GRAPHIC SCALE 1" = 1'-0"
SCALE	As indicated	
PROJECT MANAGER	JRB	SHEET No.
DRAWN BY	ADG	S4.01
CHECKED BY	JPP	

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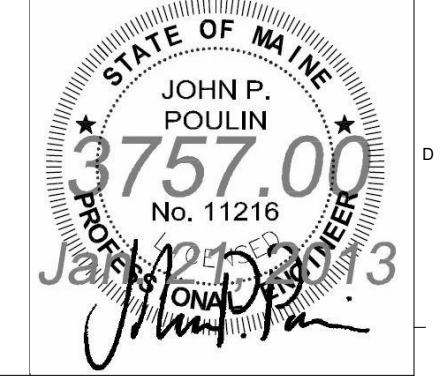
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

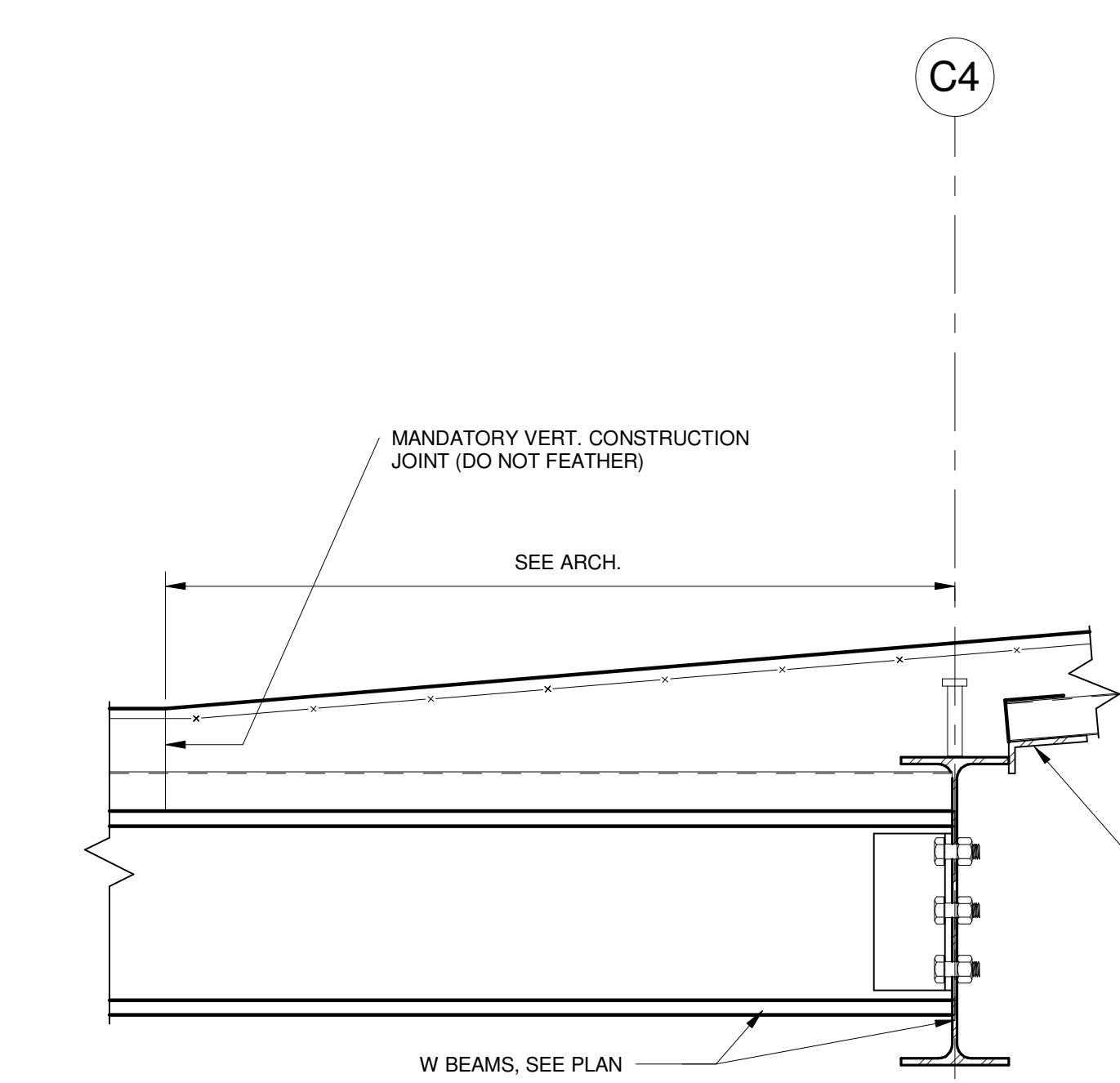
PROJECT: PORTLAND, MAINE
STEEL FLOOR FRAMING SECTIONS AND DETAILS

WBRC CAD FILE: C:\Users\jpp\Documents\375700 - CCCC Structure_detal\peller\int	SHEET No.	3757.00	GRAPHIC SCALE	1" = 1'-0"
PROJECT No.	3757.00	SCALE	1 1/2" = 1'-0"	
PROJECT MANAGER	JRB	DRAWN BY	ADG	SHEET No.
CHECKED BY	JPP			S4.02

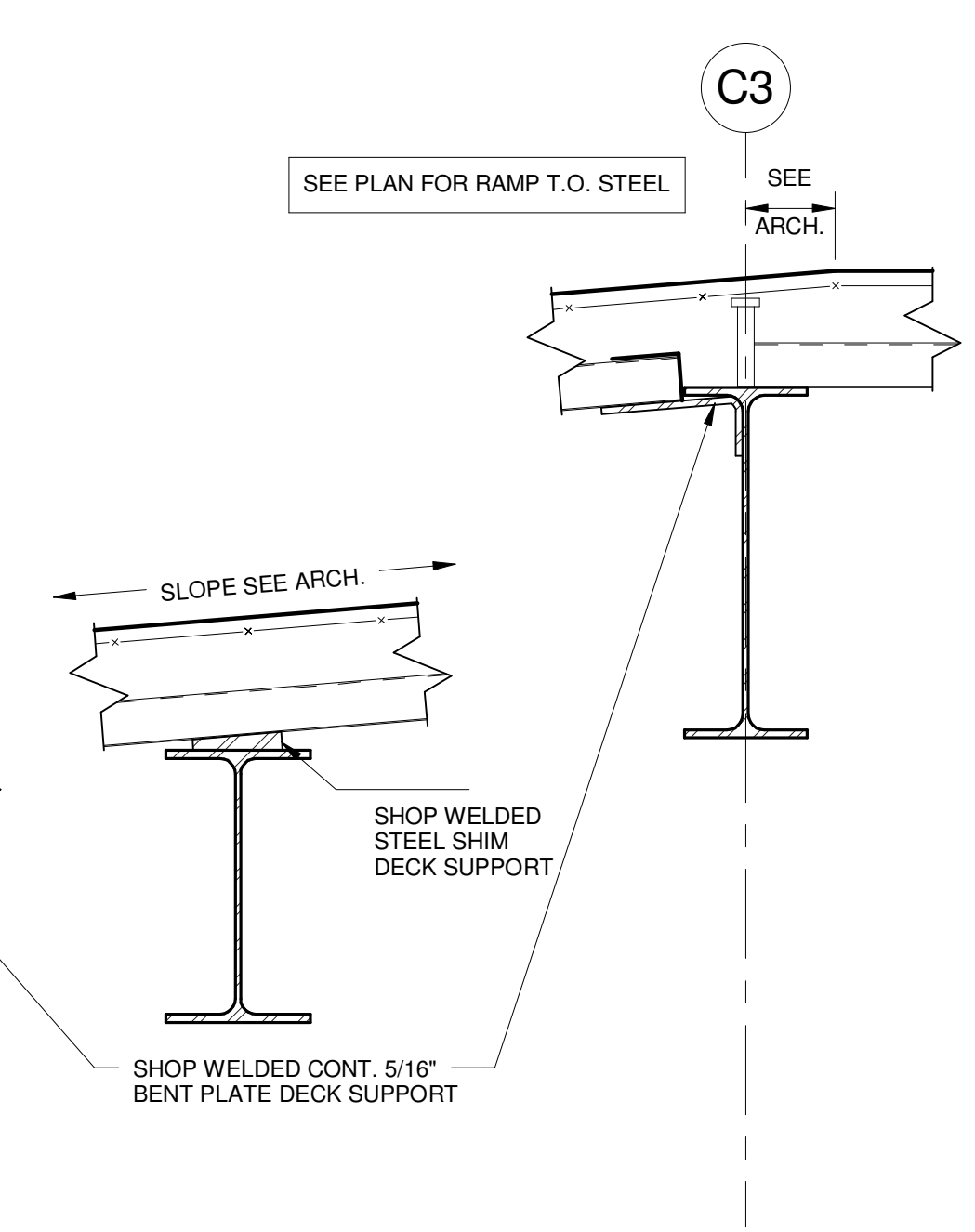
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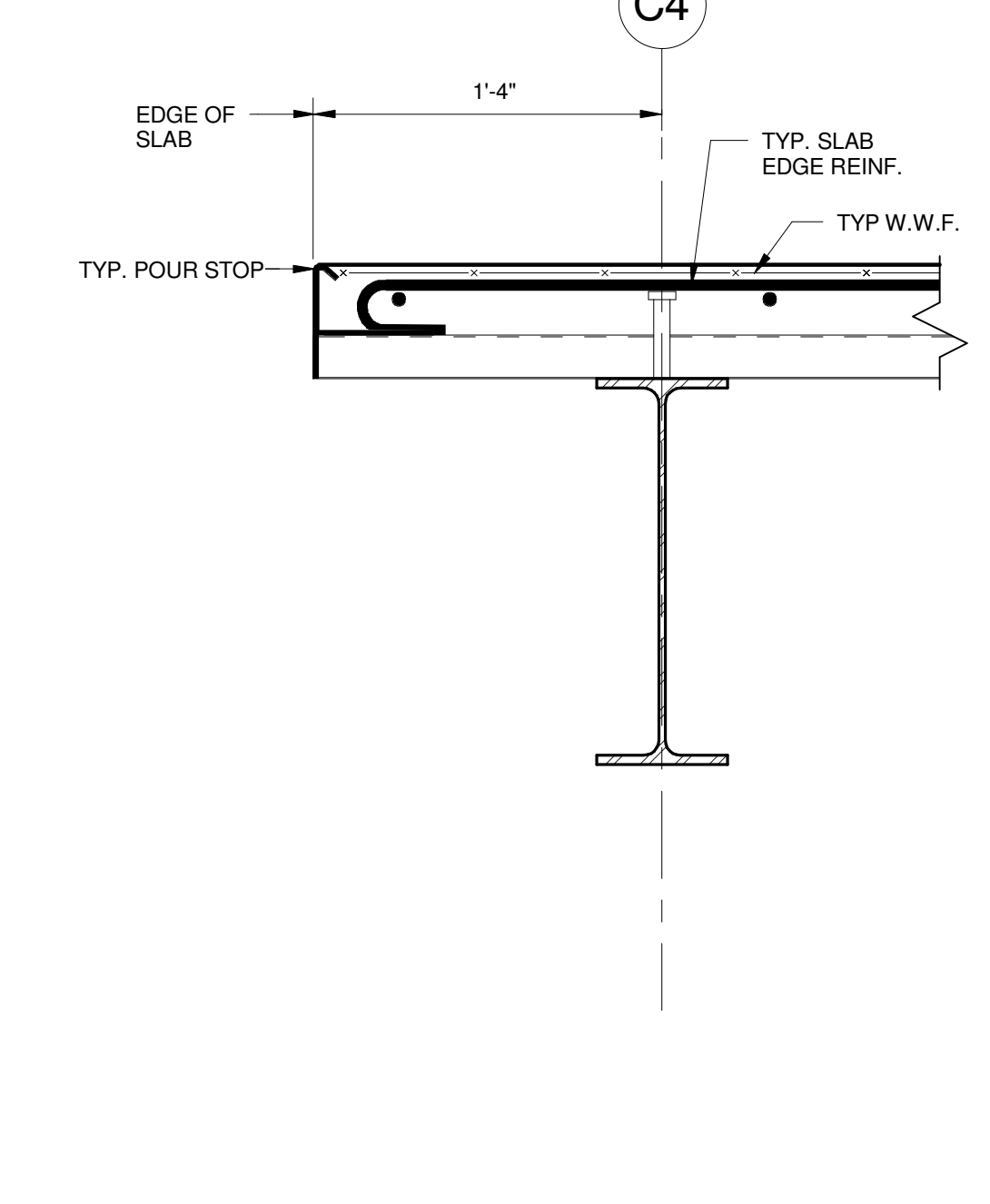
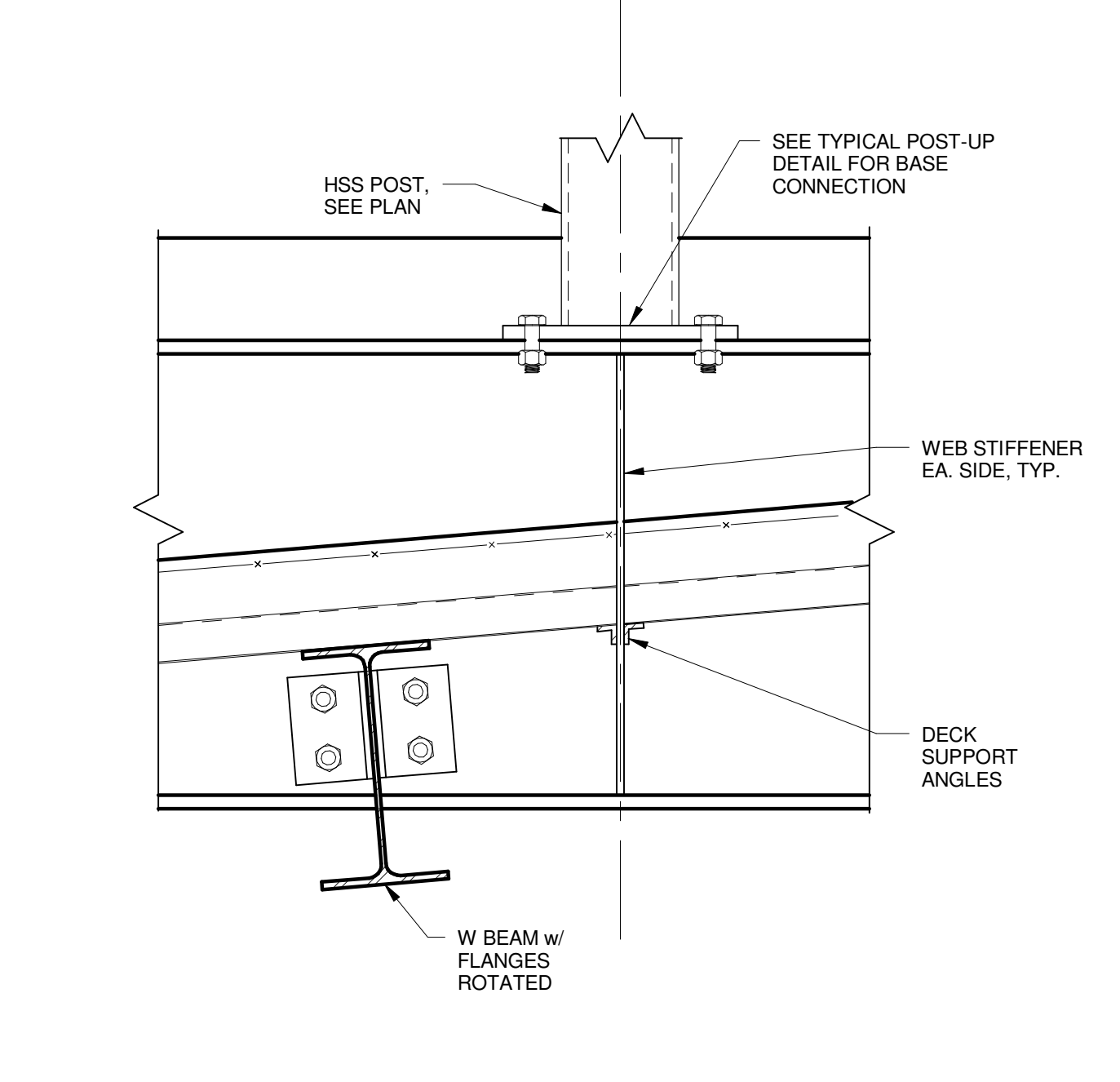
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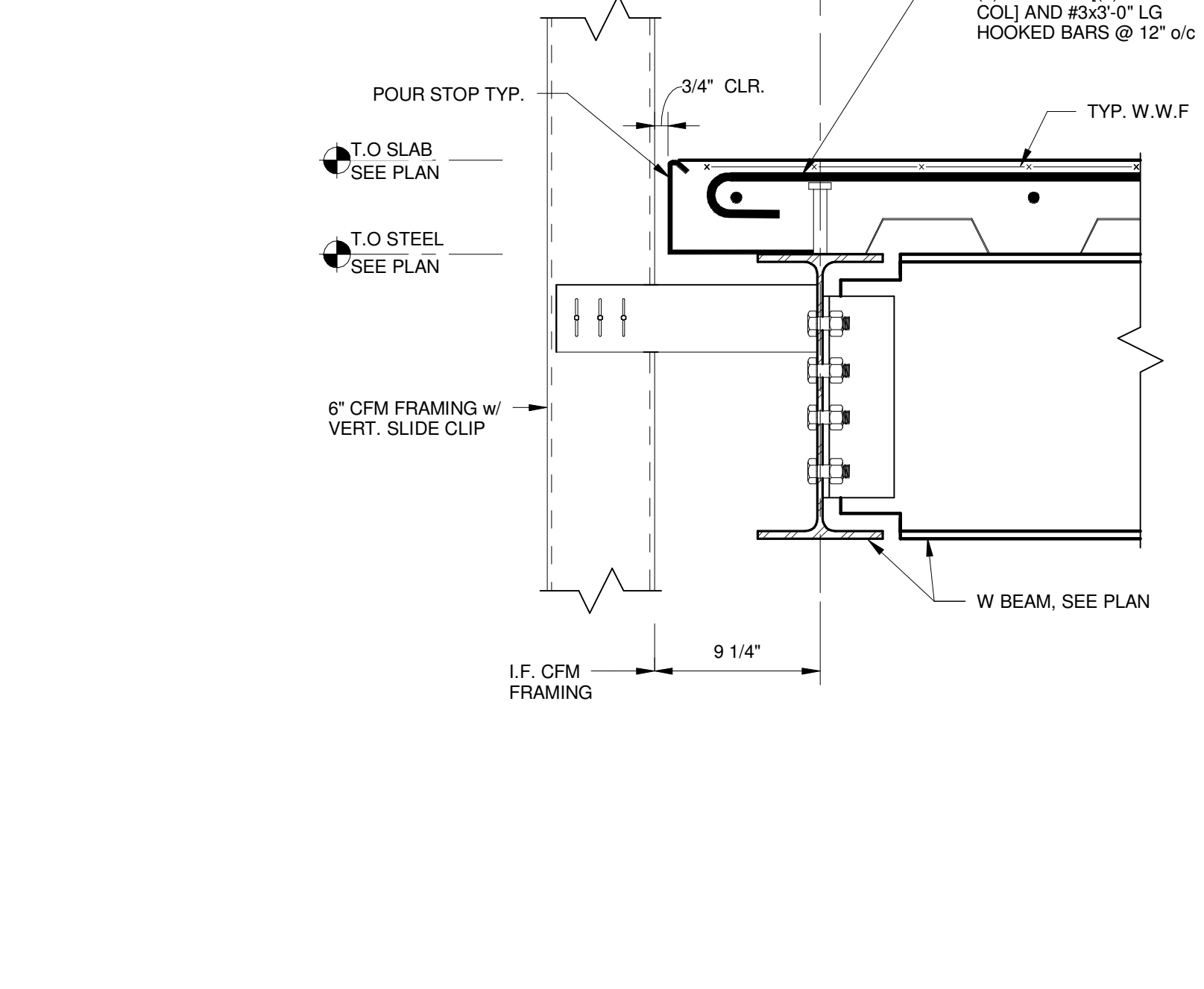
46 SECTION
1 1/2" = 1'-0"



47 SECTION
1 1/2" = 1'-0"



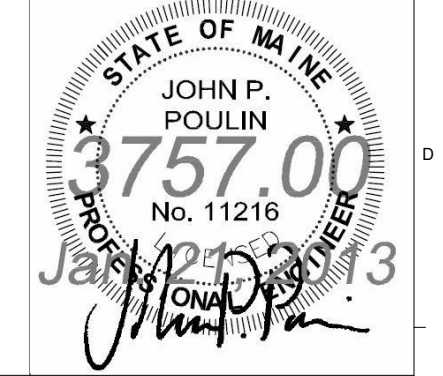
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48 SECTION
1 1/2" = 1'-0"

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE
STEEL FLOOR FRAMING SECTIONS AND DETAILS

PROJECT No. 3757.00 GRAPHIC SCALE 1" = 1'-0"
SCALE: 1 1/2" = 1'-0"
PROJECT MANAGER: JRB SHEET No. S4.03
DRAWN BY: ADG
CHECKED BY: JPP

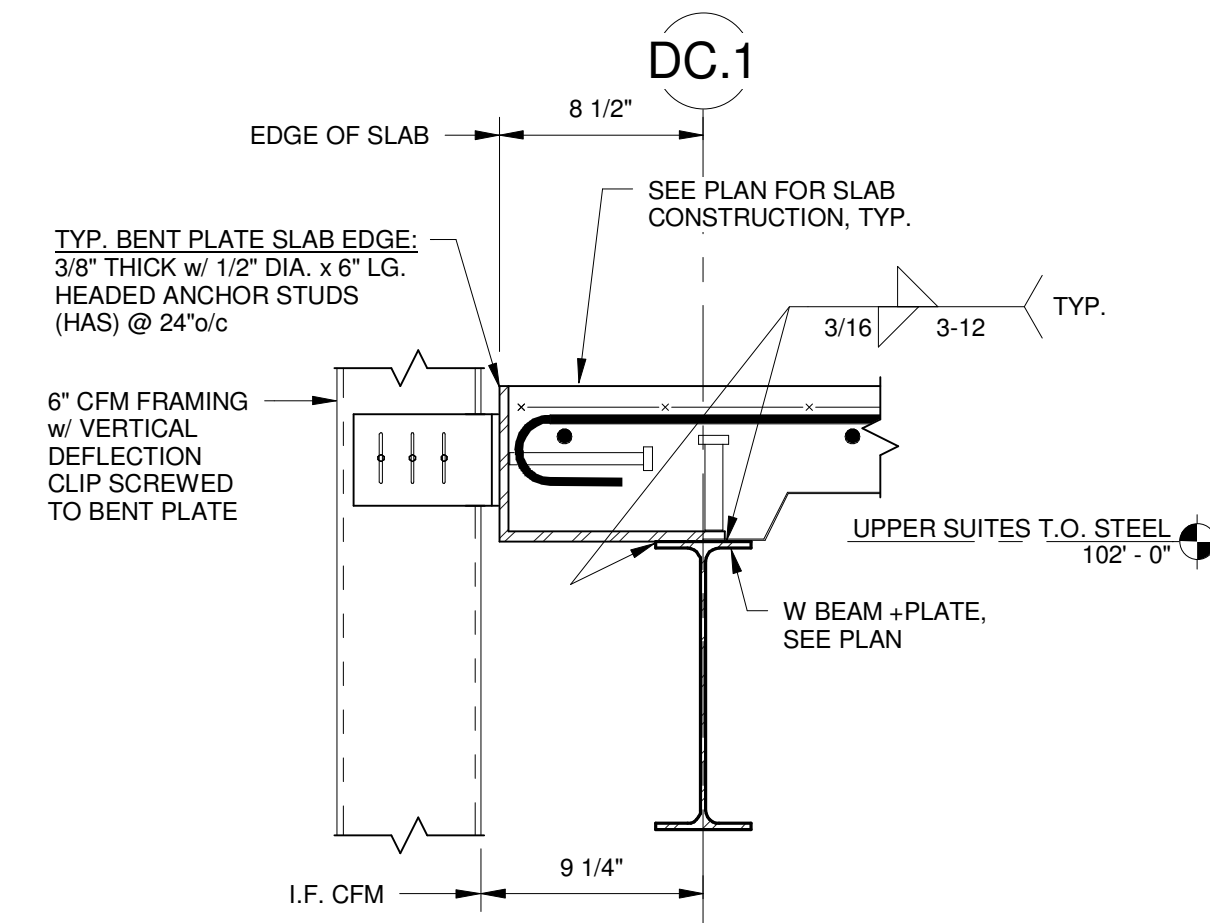
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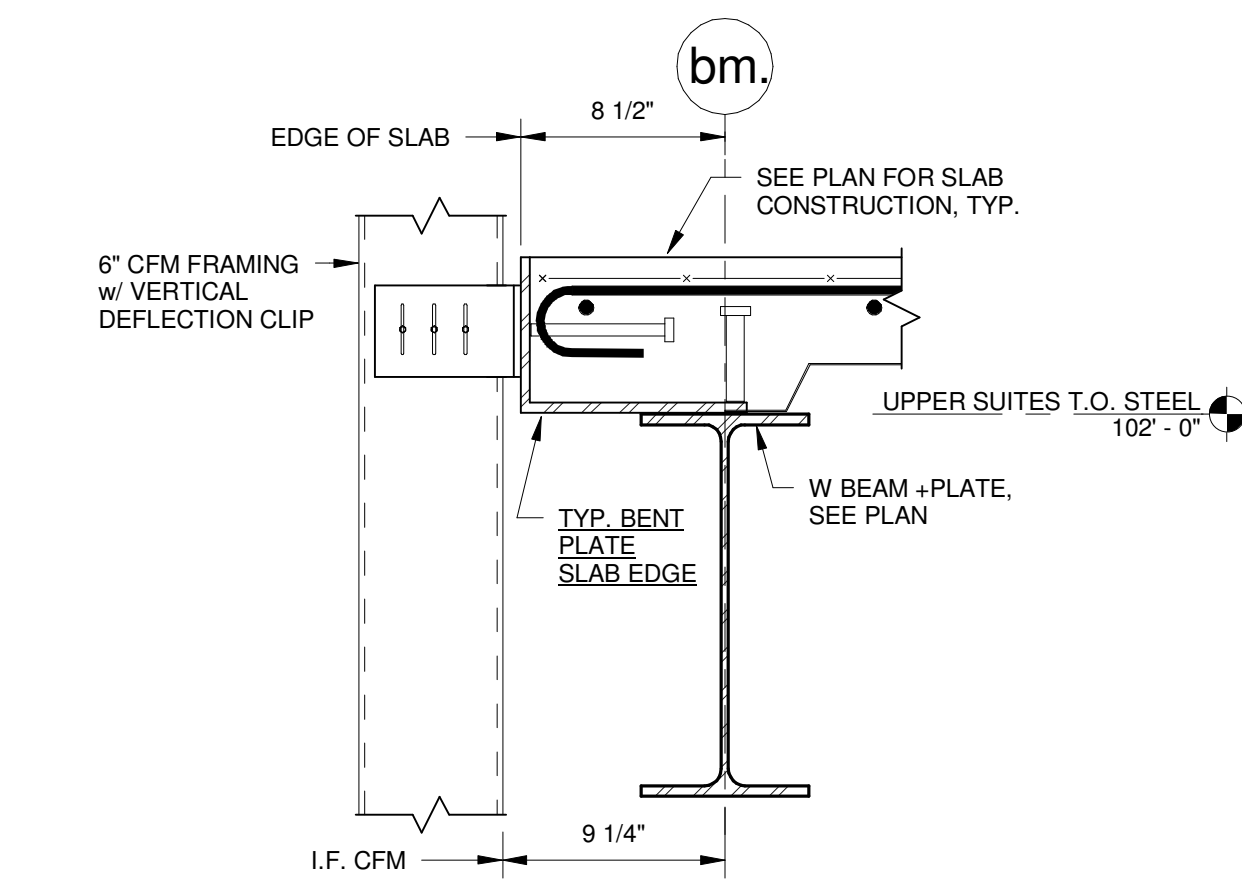
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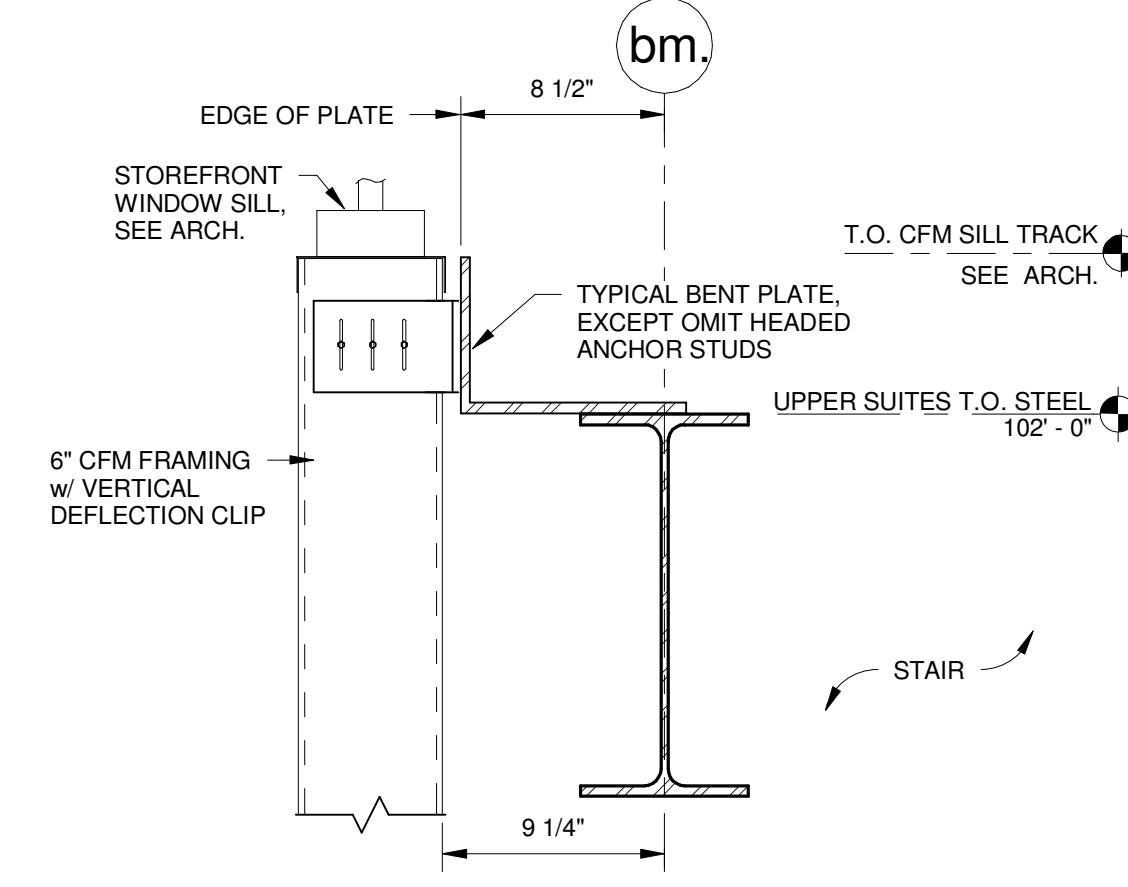
303.398.0200
FAX: 303.392.0222



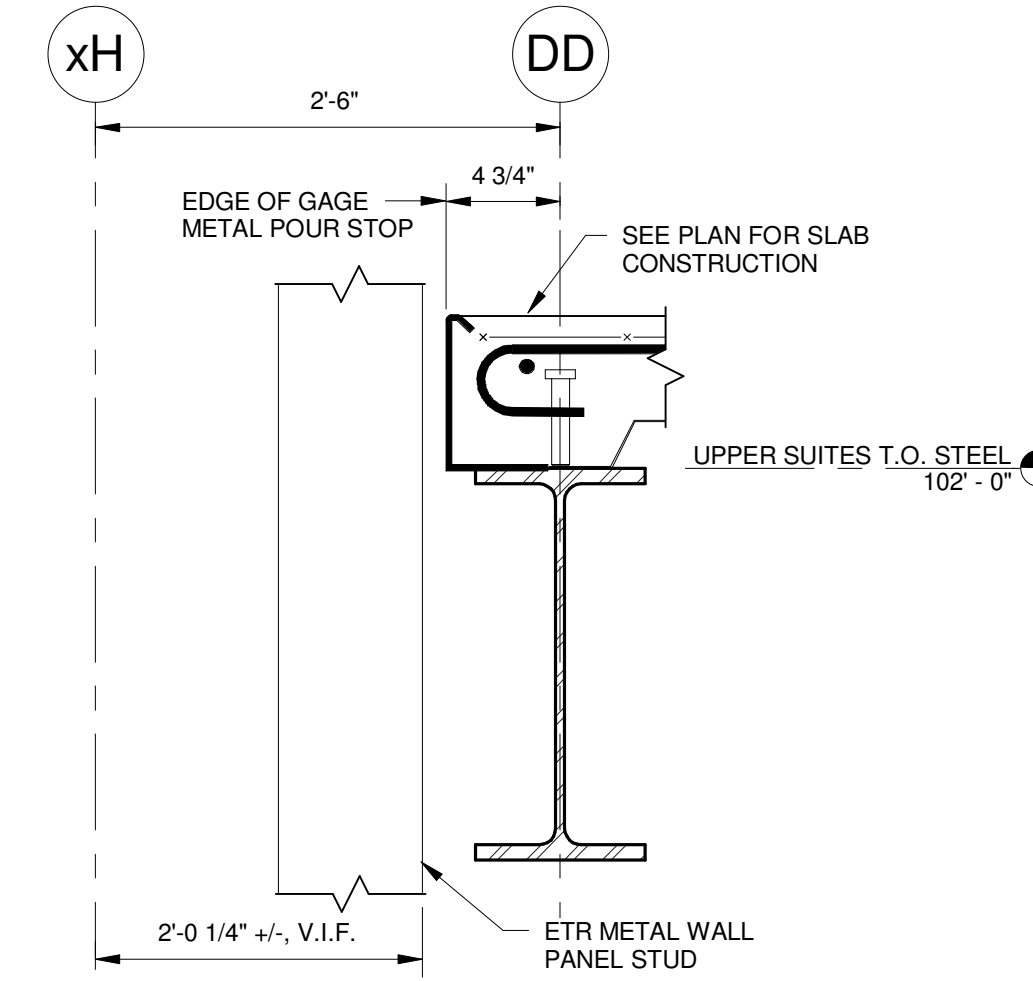
61 SECTION
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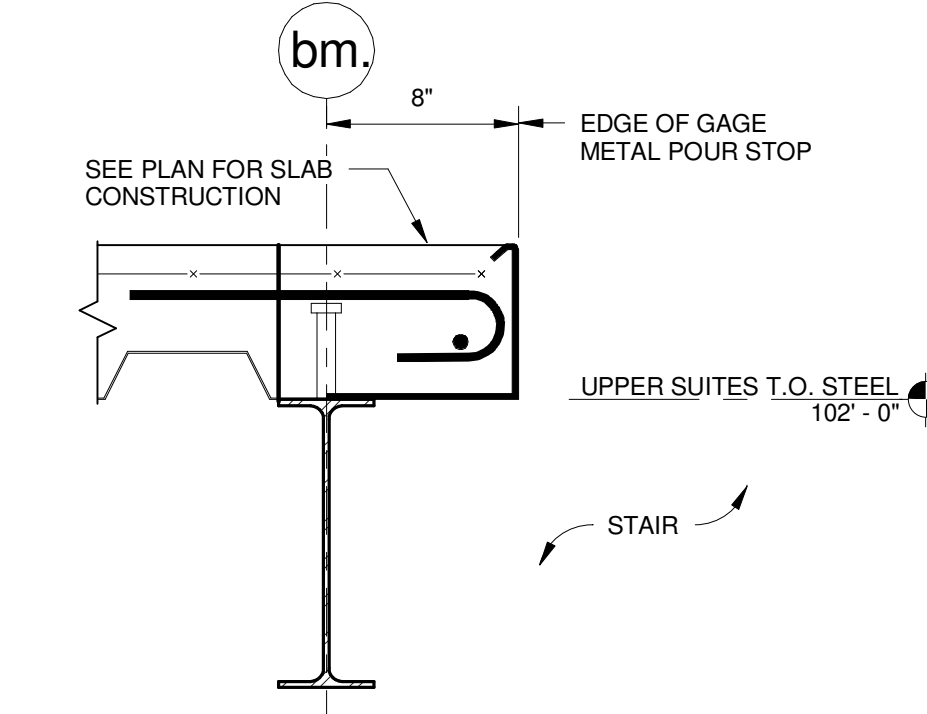
62 SECTION
1 1/2" = 1'-0"



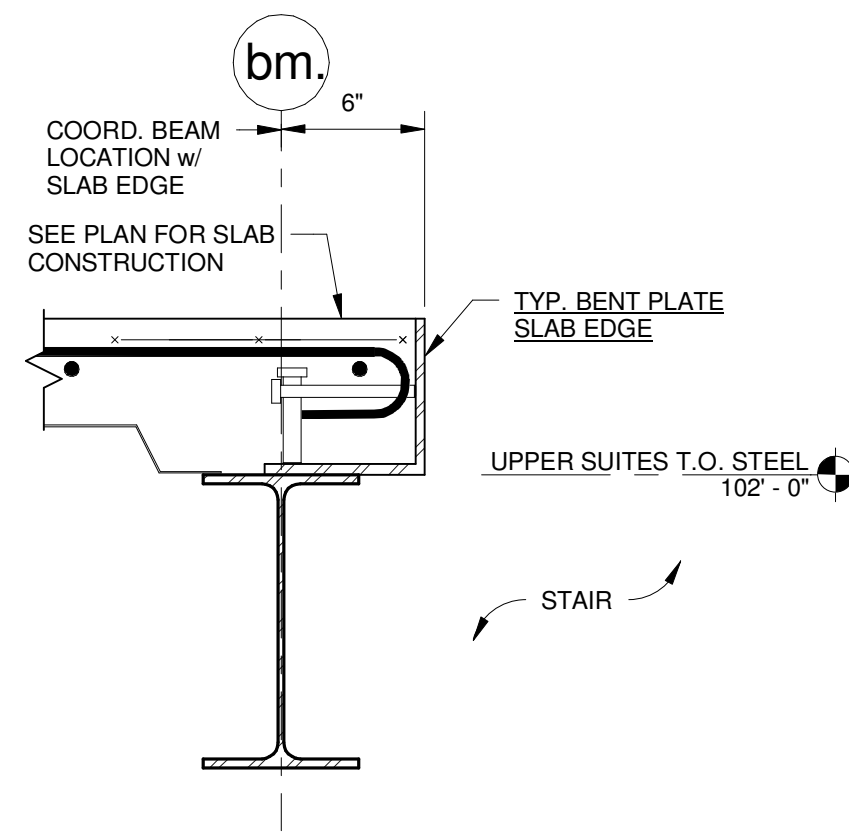
63 SECTION
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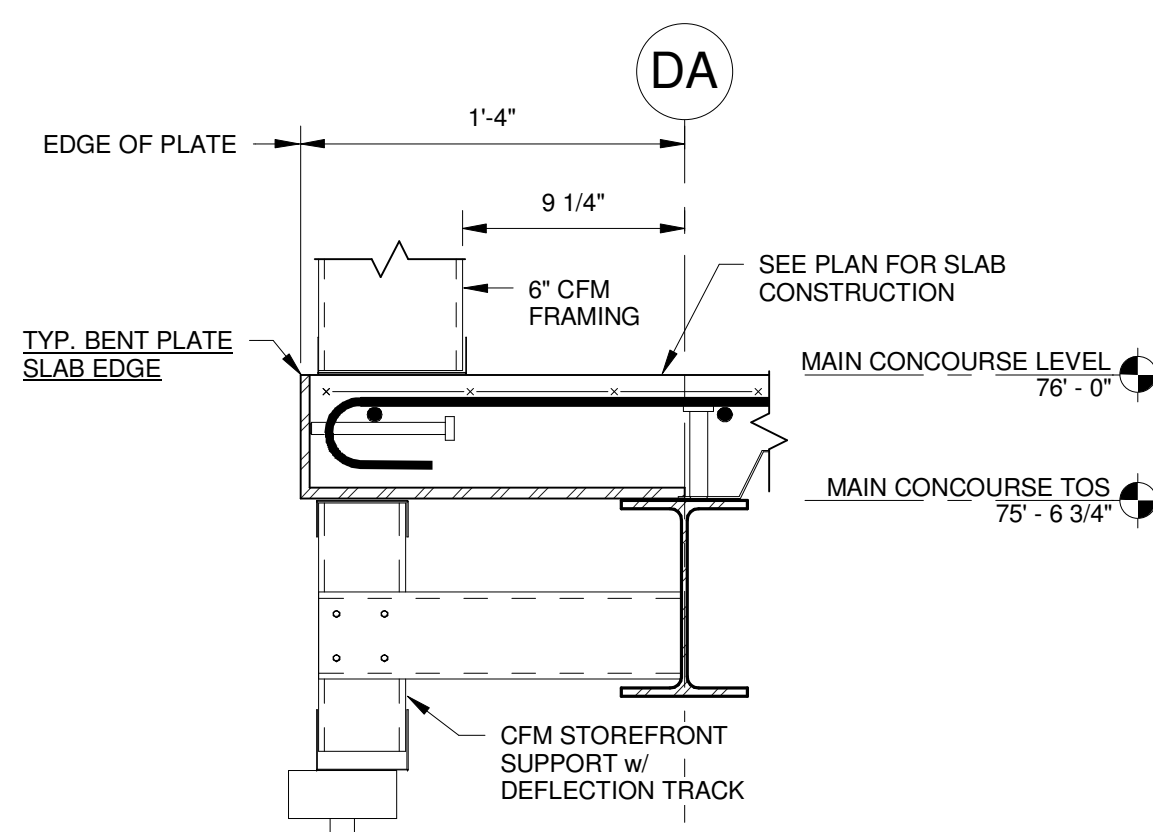
64 SECTION
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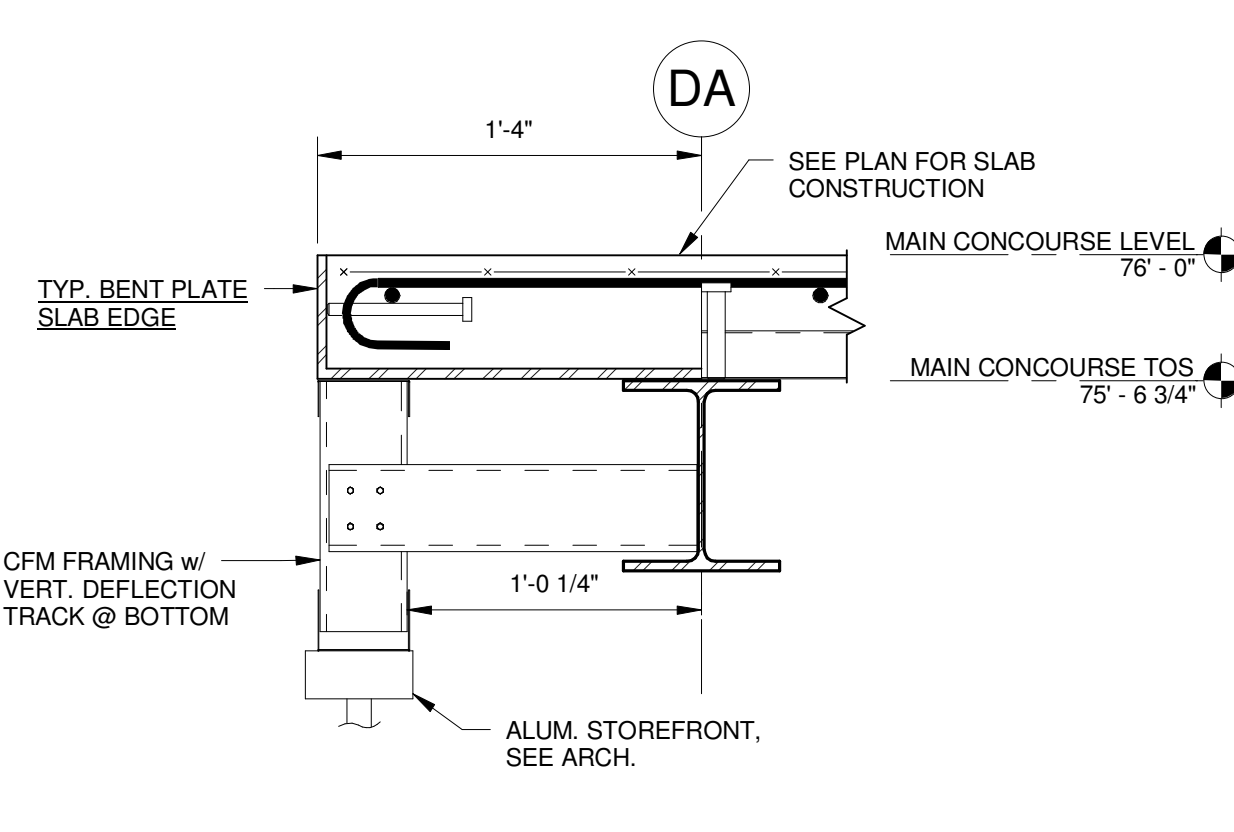
65 SECTION
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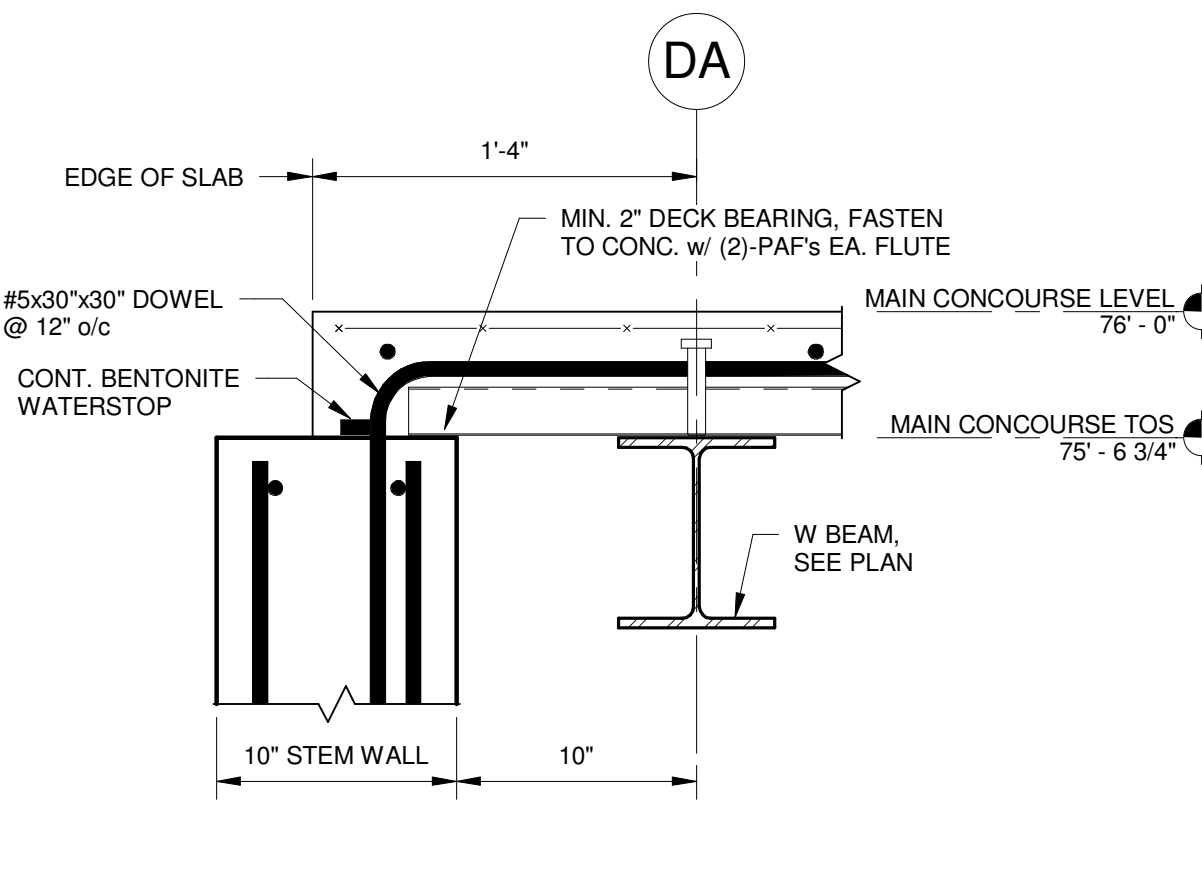
66 SECTION
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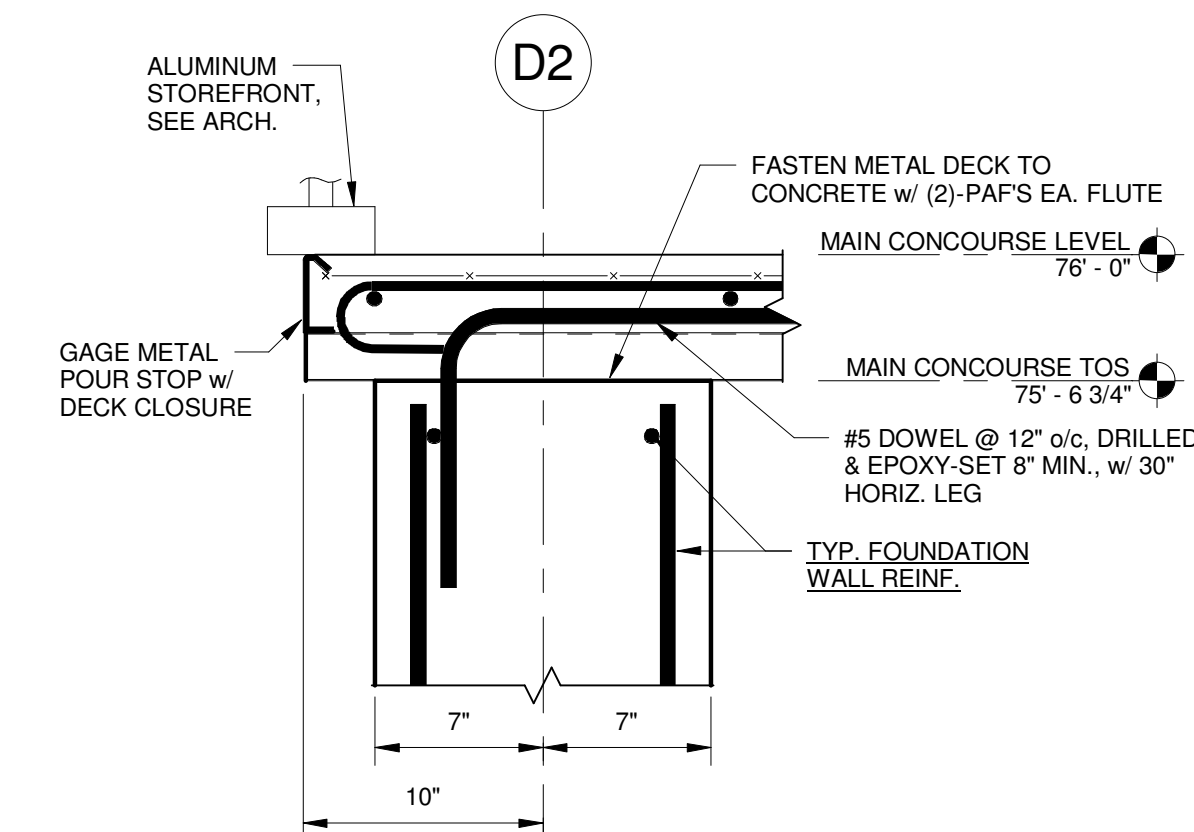
67 SECTION
1 1/2" = 1'-0"



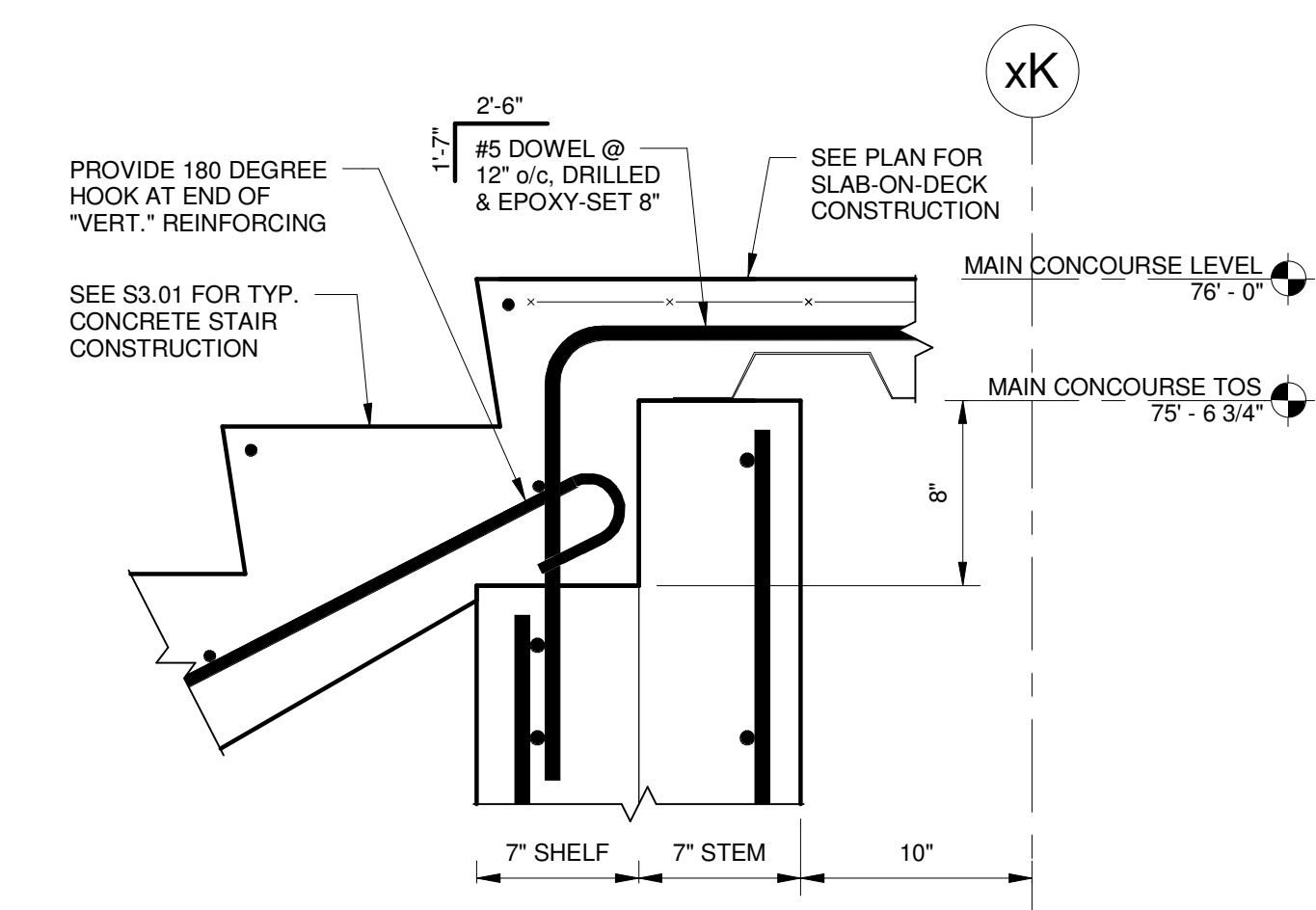
68 SECTION
1 1/2" = 1'-0"



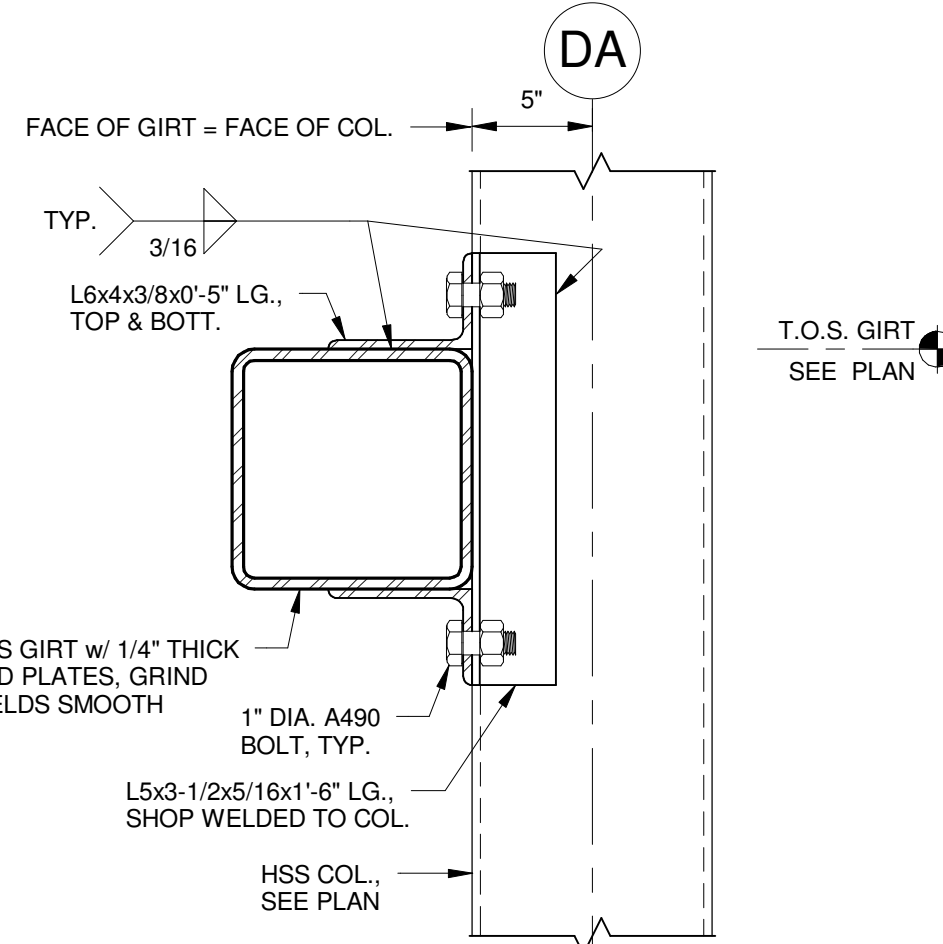
69 SECTION
1 1/2" = 1'-0"



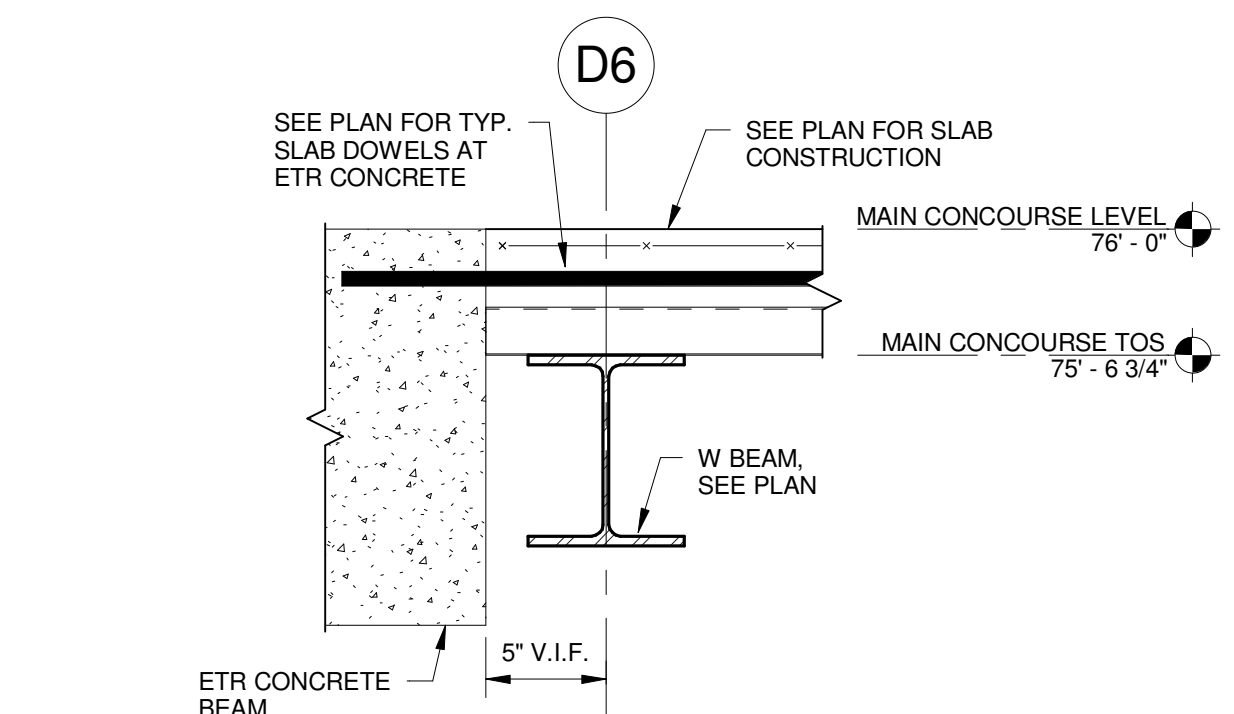
70 SECTION
1 1/2" = 1'-0"



71 SECTION
1 1/2" = 1'-0"



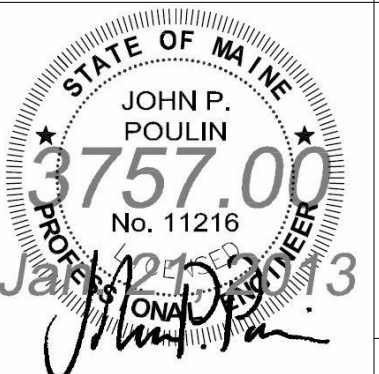
72 SECTION
1 1/2" = 1'-0"



73 SECTION
1 1/2" = 1'-0"

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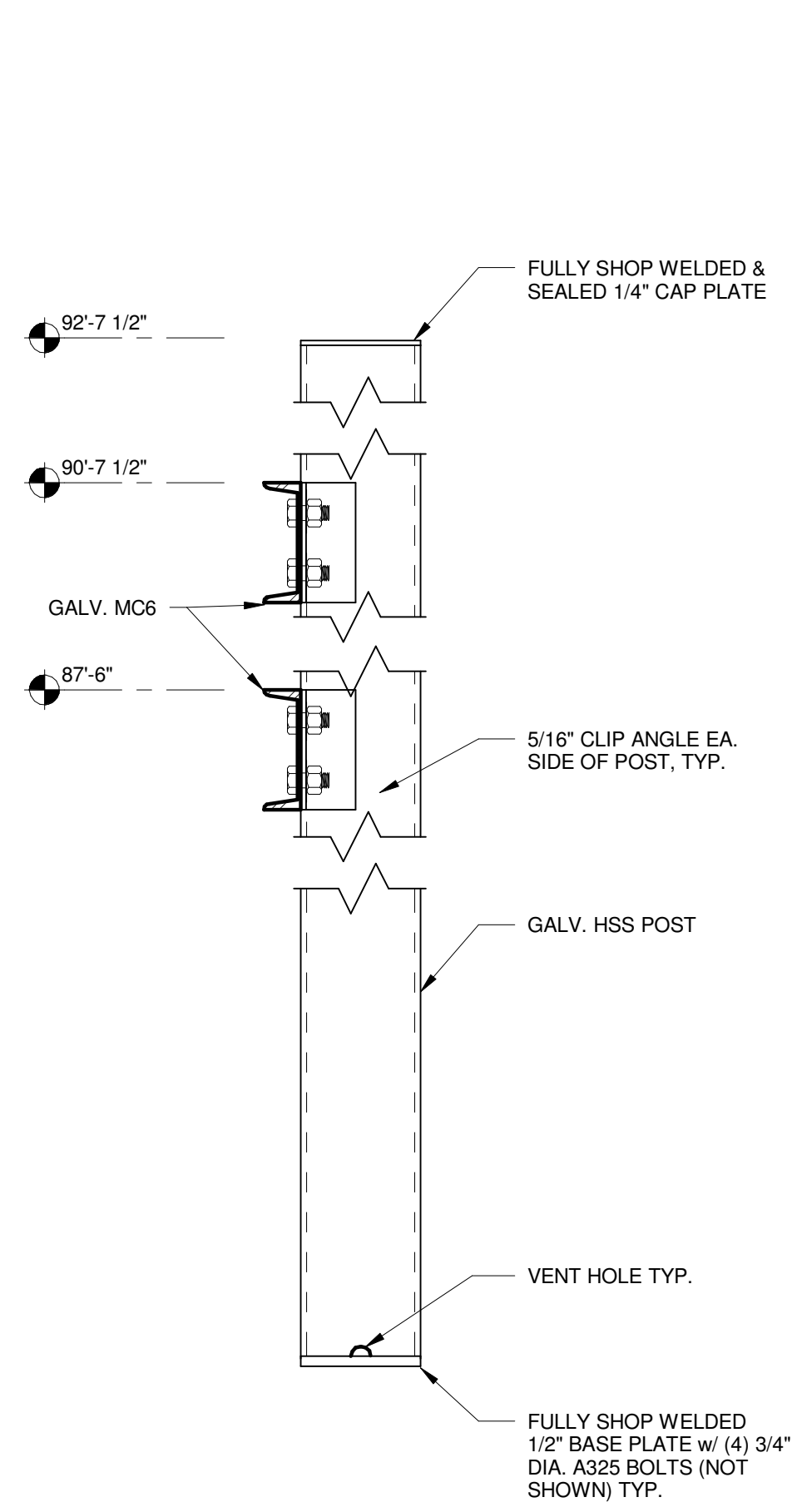
PROJECT: PORTLAND, MAINE

STEEL FLOOR FRAMING
SECTIONS AND DETAILS

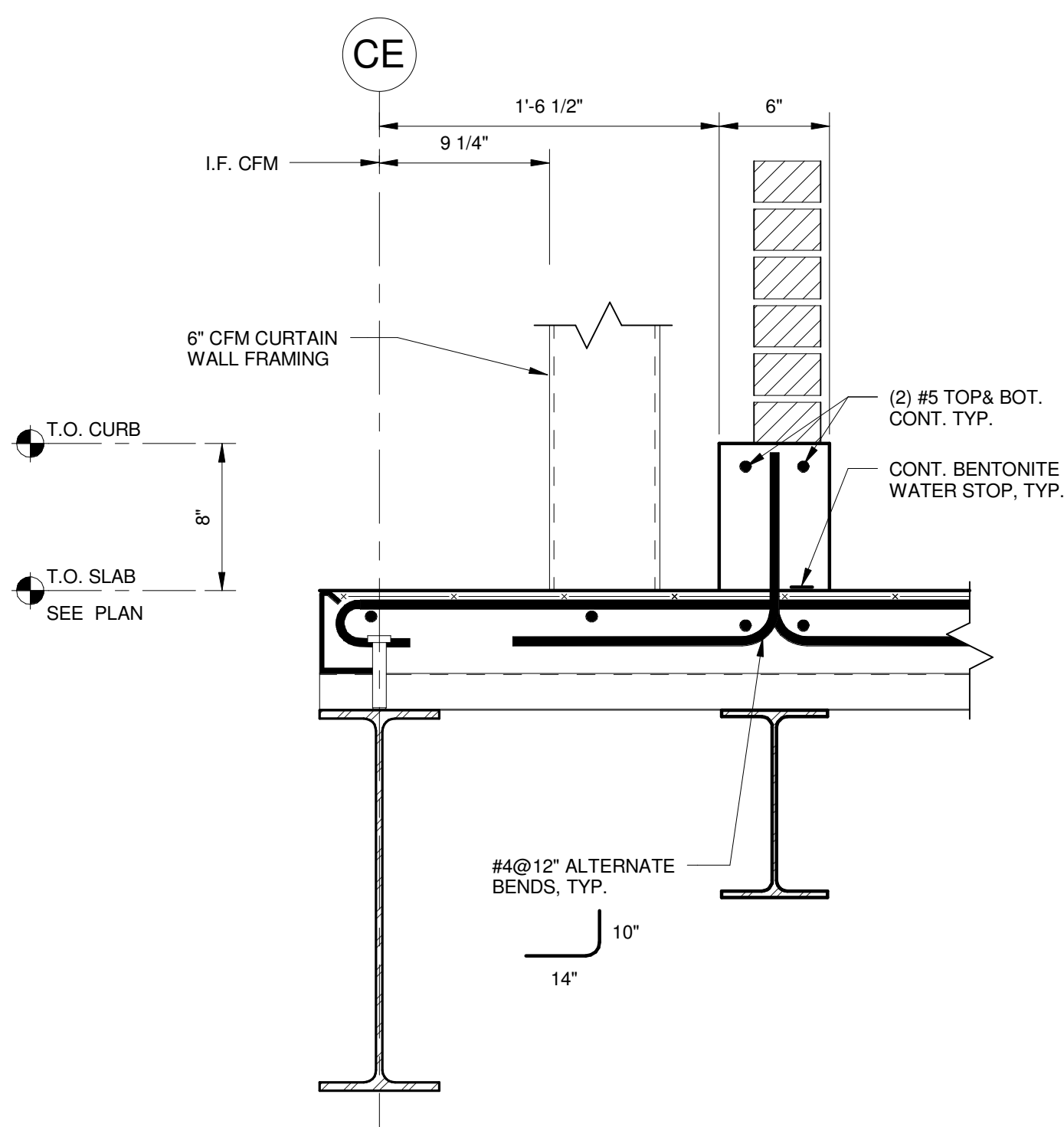
SHEET TITLE	
WBRC CAD FILE: C:\Users\jpd\peller\Documents\375700 - CCCC Structure_detailed\peller.rvt	
PROJECT No. 3757.00	GRAPHIC SCALE 0'
SCALE 1 1/2" = 1'-0"	1'
PROJECT MANAGER: JRB	SHEET No.
DRAWN BY: ADG	S4.04
CHECKED BY: JPP	

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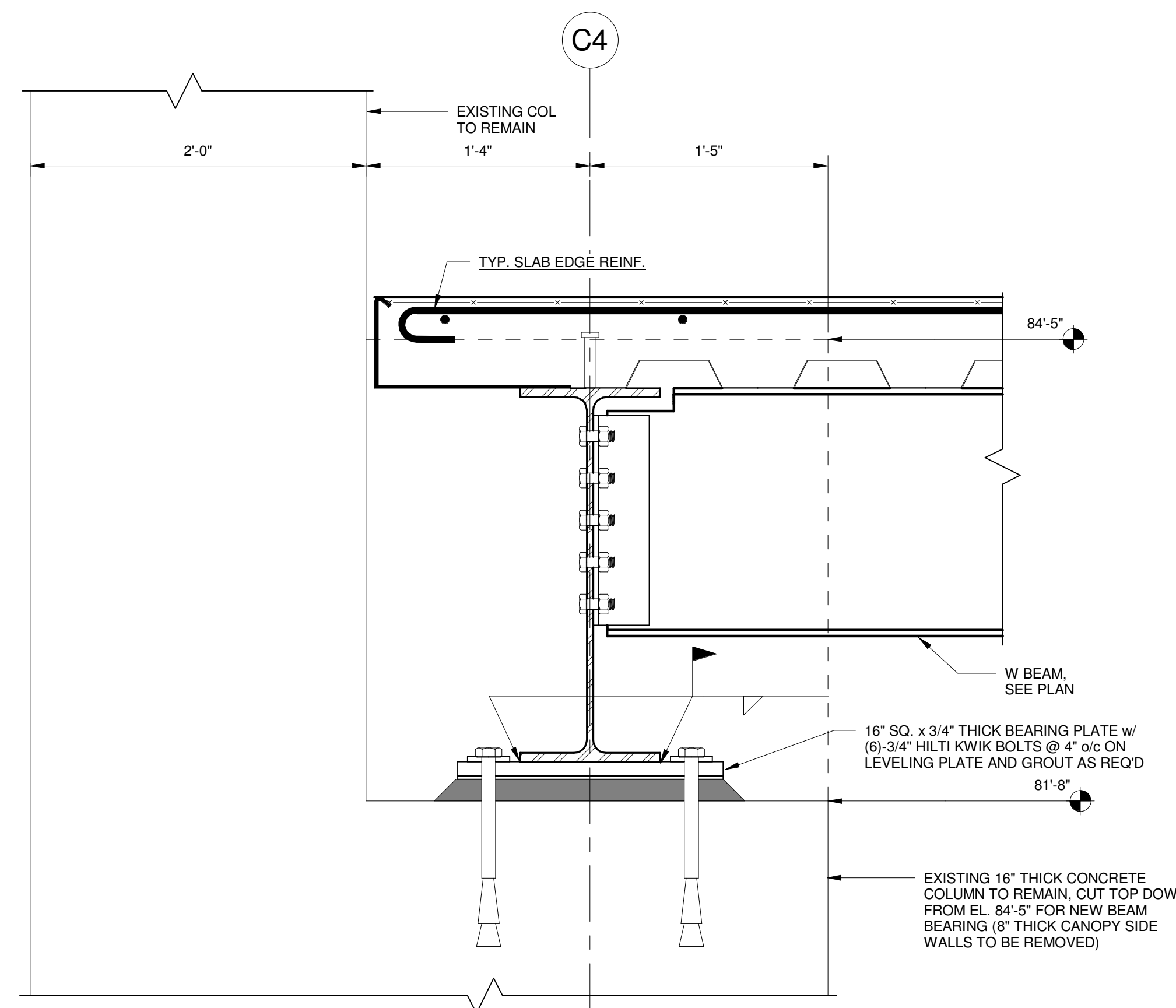
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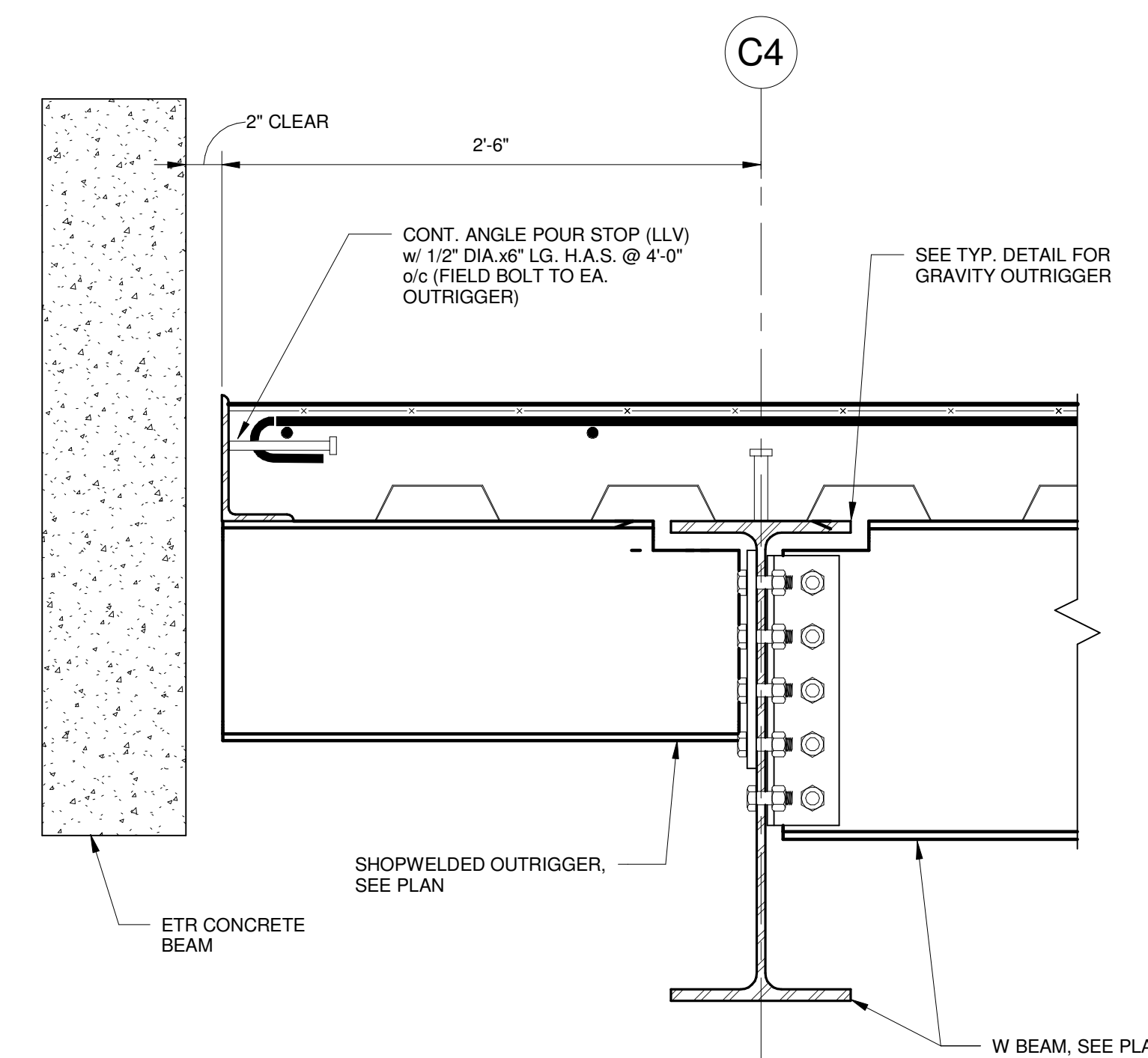
76 TYPICAL TOP OF SCREEN WALL SECTION
1 1/2" = 1'-0"



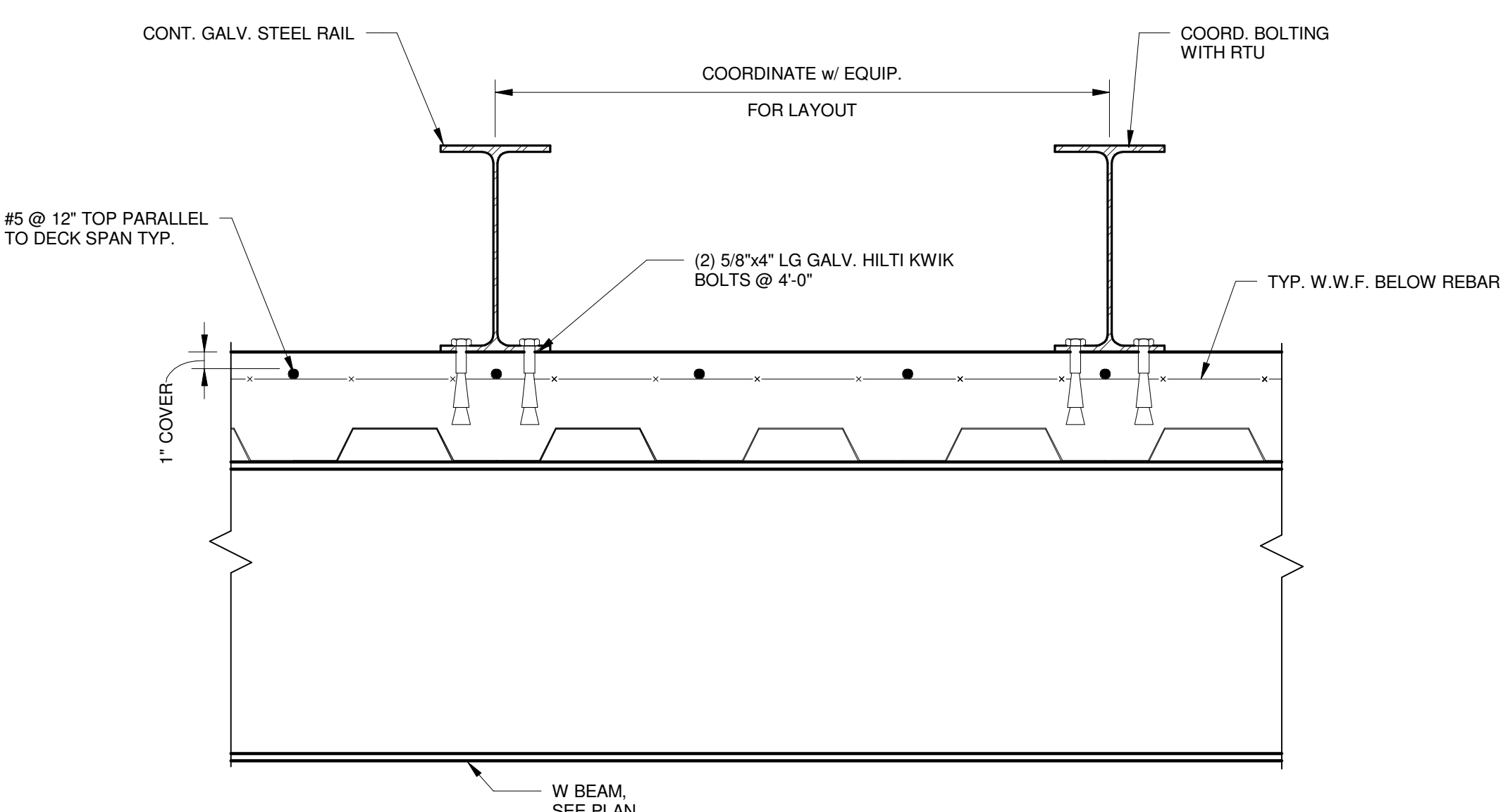
77 SECTION
1 1/2" = 1'-0"



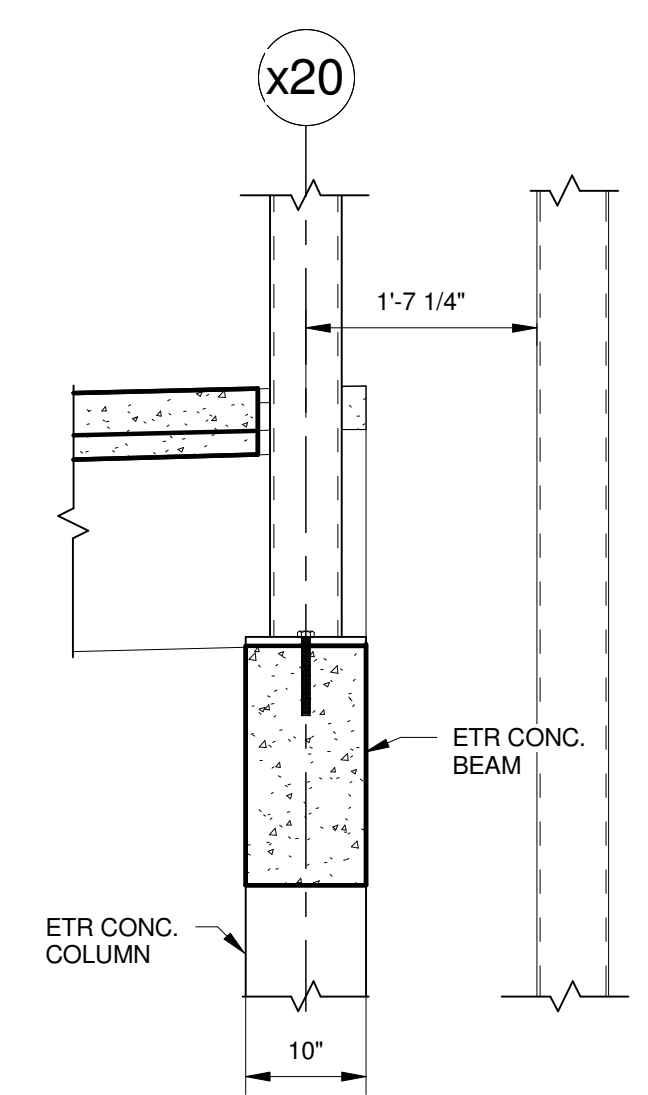
78 SECTION
1 1/2" = 1'-0"



79 SECTION
1 1/2" = 1'-0"

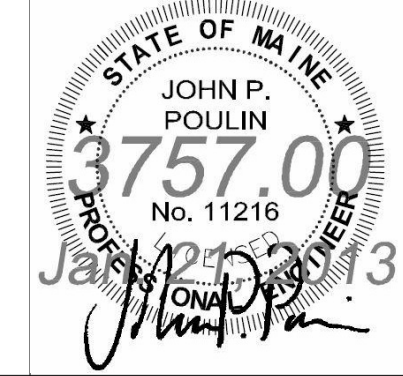


81 SECTION
1 1/2" = 1'-0"



82 SECTION
3/4" = 1'-0"

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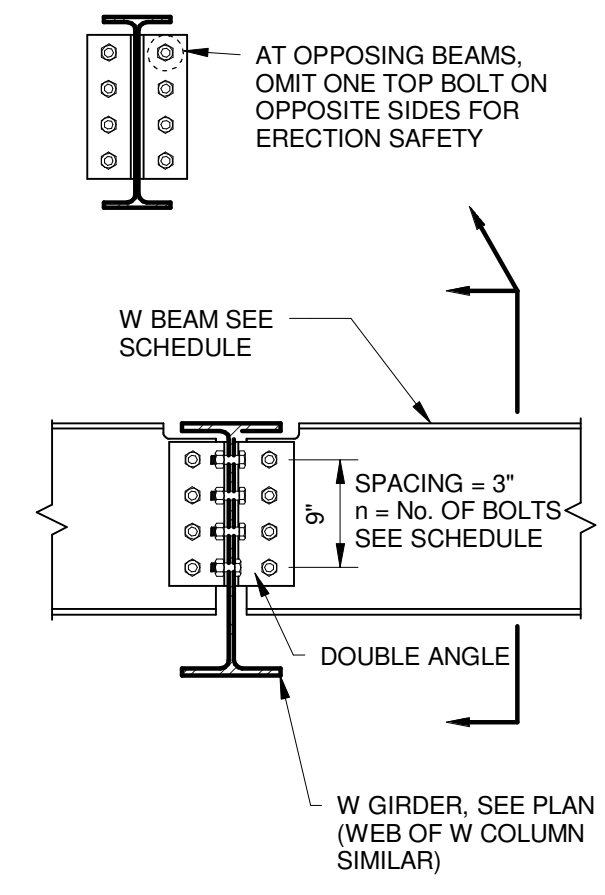
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

STEEL FLOOR FRAMING SECTIONS AND DETAILS

WBRC CAD FILE: C:\Users\jandj\peller\Documents\375700 - CCCC Structure_dwd\peller.rvt	
PROJECT No. 3757.00	GRAPHIC SCALE 1" = 1'-0"
SCALE: As indicated	
PROJECT MANAGER: JRB	SHEET No.
DRAWN BY: ADG	S4.05
CHECKED BY: JPP	

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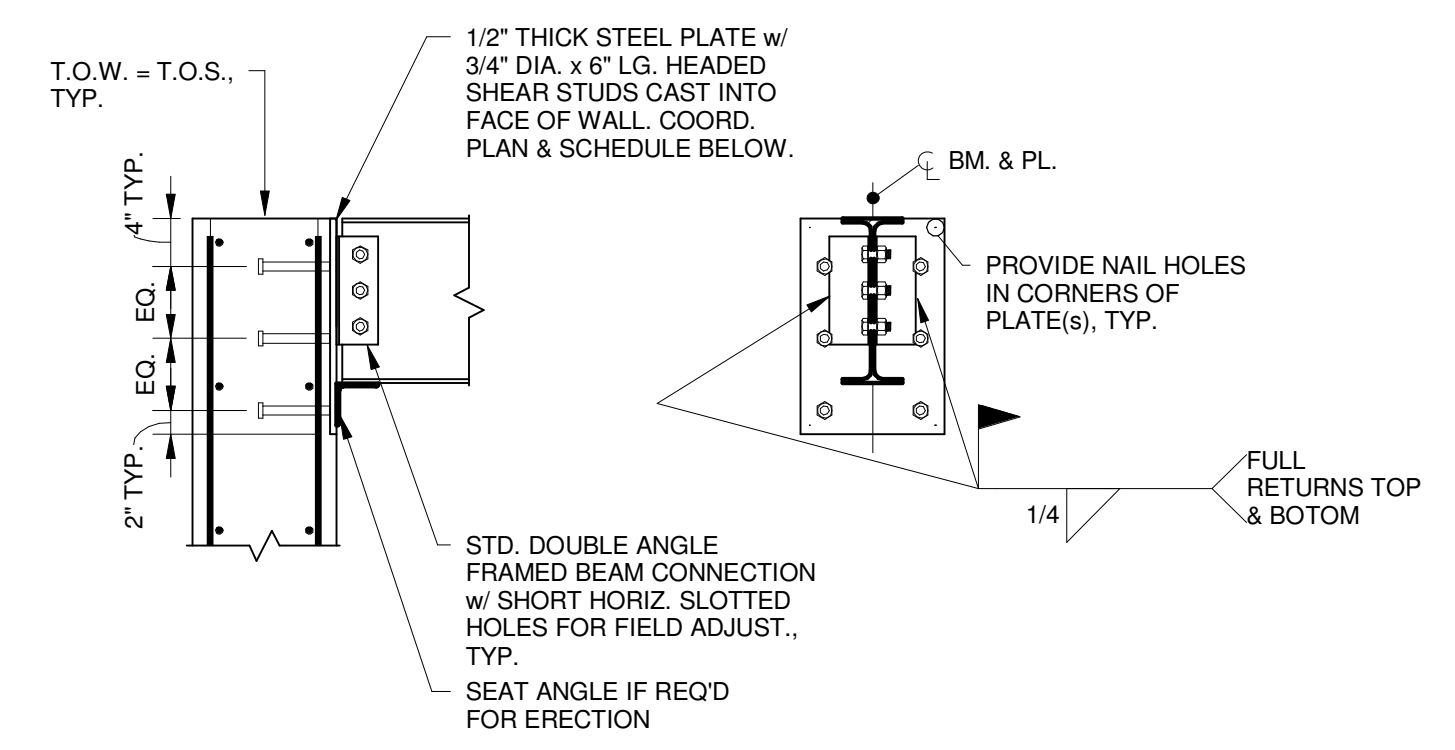


NOMINAL BEAM SIZE	* No. OF 3/4" DIA. A325-N BOLTS (n)	
	ROOF FURLIN ONLY	ROOF GIRDER OR COMPOSITE FLOOR MEMBER
W8, W8, W10	2	2
W12, W14	2	3
W16	3	4
W18	4	5
W21	5	6
W24	6	7
W30	8	9

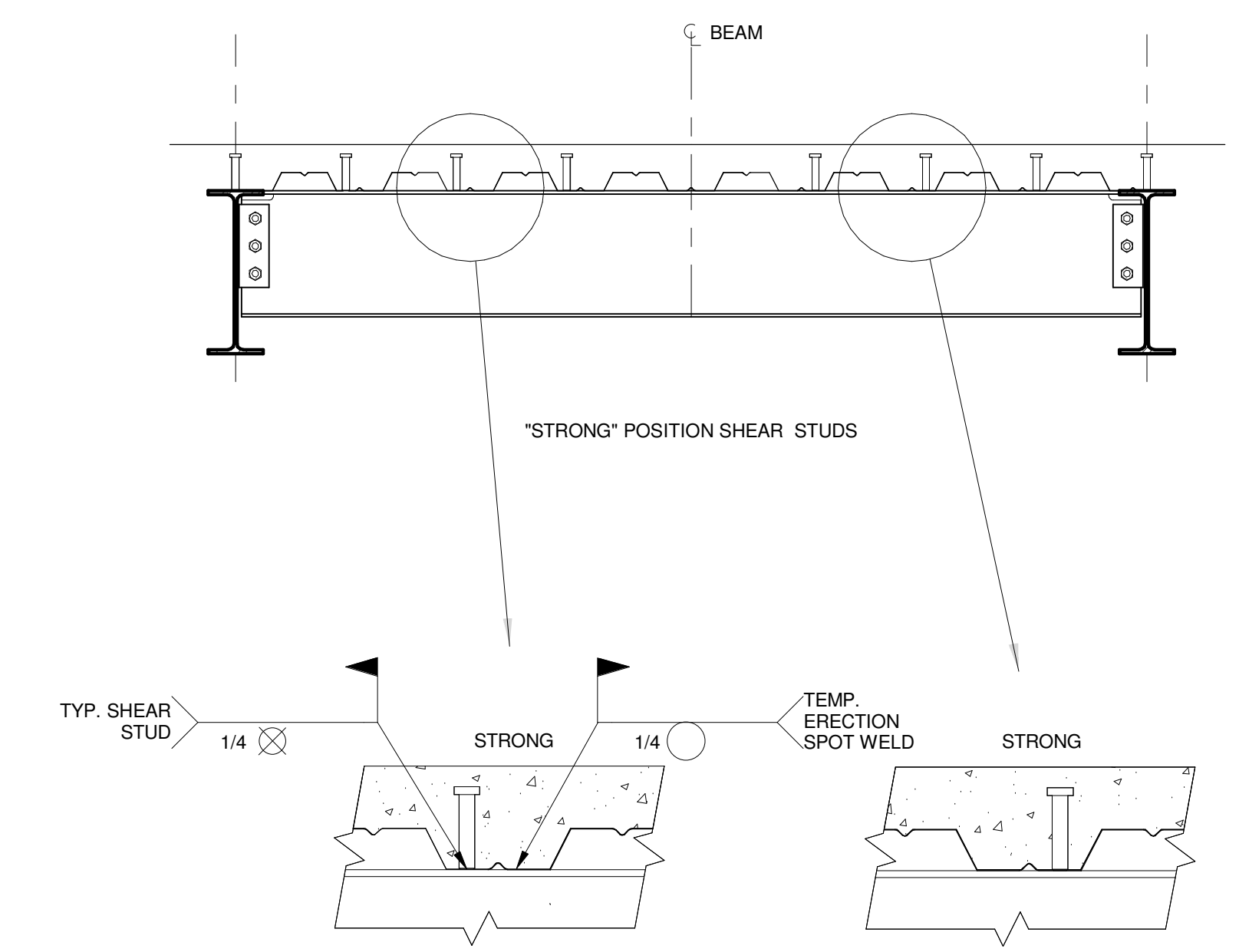
REACTION: $R = (W/3) \times C$
 $W =$ FROM AISC 13th EDITION TABLE 3-6: "MAXIMUM TOTAL UNIFORM LOADS" FOR GIVEN SPAN (SEE PLAN) USING ASD.
 $C =$ FROM CHART BELOW

BEAM SIZE	C
W12 OR SMALLER	2.5
W14 TO W21	2.0
W24 AND LARGER	1.75

NOTE:
 WHERE BEAM SUPPORTS ANOTHER MEMBER NEAR ITS SUPPORT, CONNECTIONS SHALL BE DESIGNED FOR SUM OF BEAM REACTIONS AS CALCULATED ABOVE.



BEAM SIZE	PLATE SIZE	NUMBER OF STUDS
W8, W10	12" x 14"	2 ROWS OF 2 = 4
W12, W14	12" x 18"	3 ROWS OF 2 = 6
W16, W18	12" x 24"	4 ROWS OF 2 = 8
W21	14" x 27"	3 ROWS OF 3 = 9
W24	14" x 30"	4 ROWS OF 3 = 12

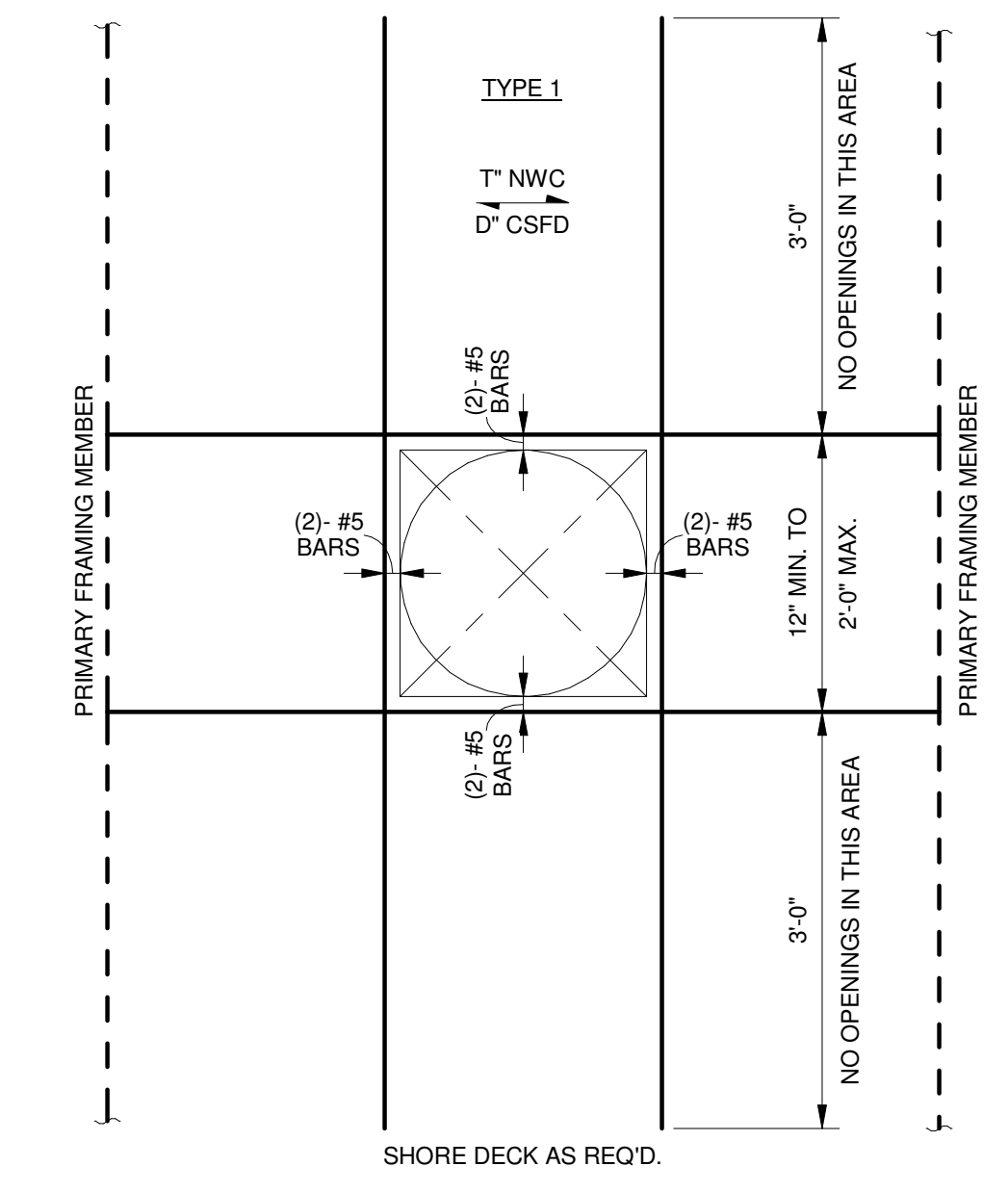


1 STRU- TYPICAL W BEAM TO W GIRDER / COLUMN
3/4" = 1'-0"

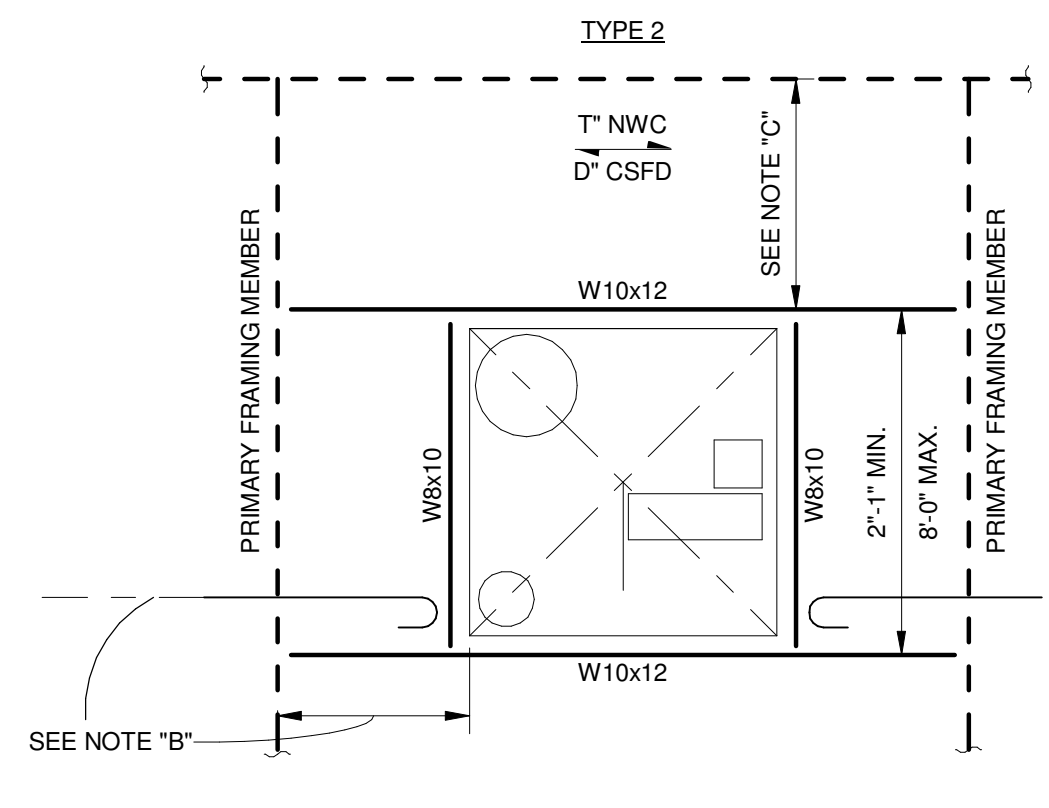
2 BEAM REACTION FOR SIMPLE SHEAR CONNECTION DESIGN
3/4" = 1'-0"

3 TYPICAL EMBEDDED PLATE FRAMING DETAIL
3/4" = 1'-0"

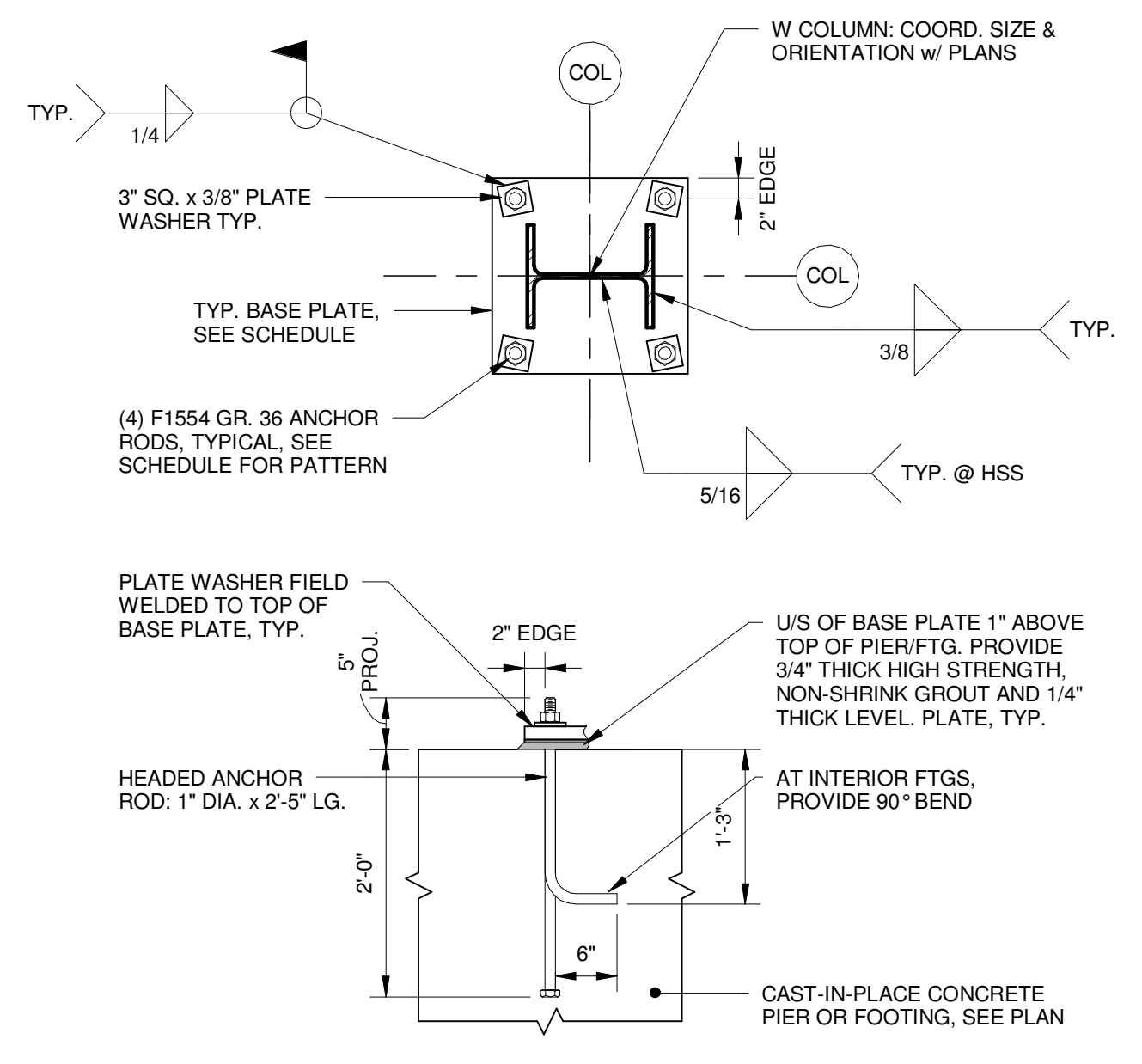
4 TYPICAL SHEAR STUD INSTALLATION
3/4" = 1'-0"



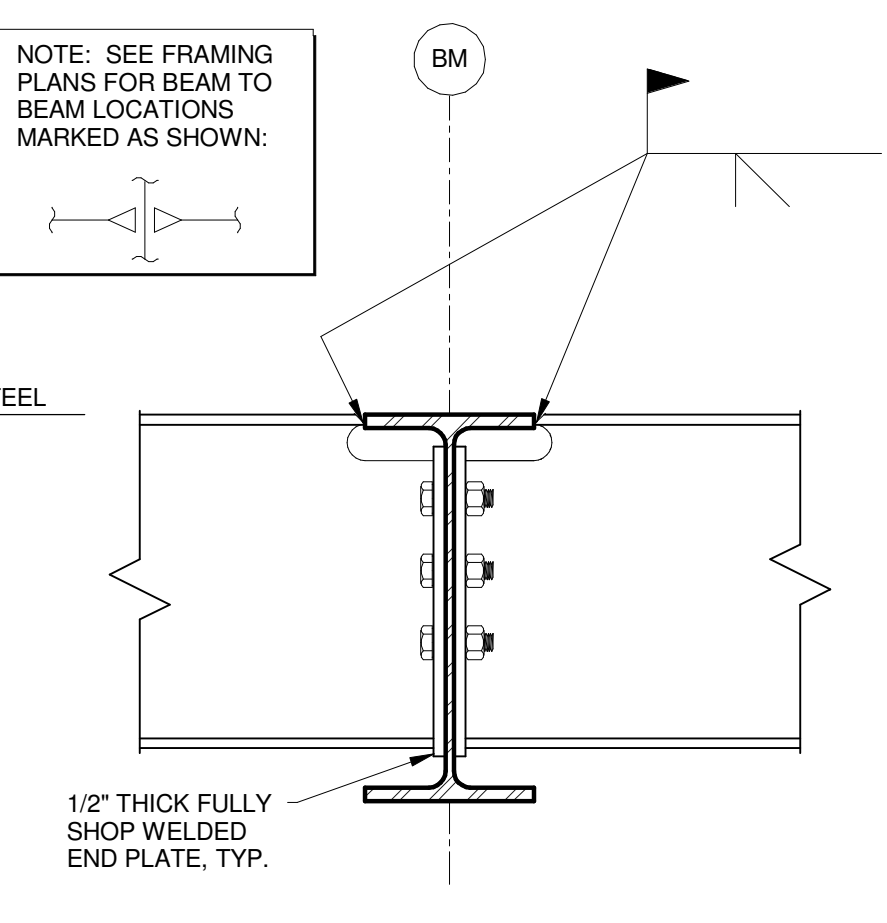
6 TYPICAL COMPOSITE FLOOR SLAB OPENINGS
3/4" = 1'-0"



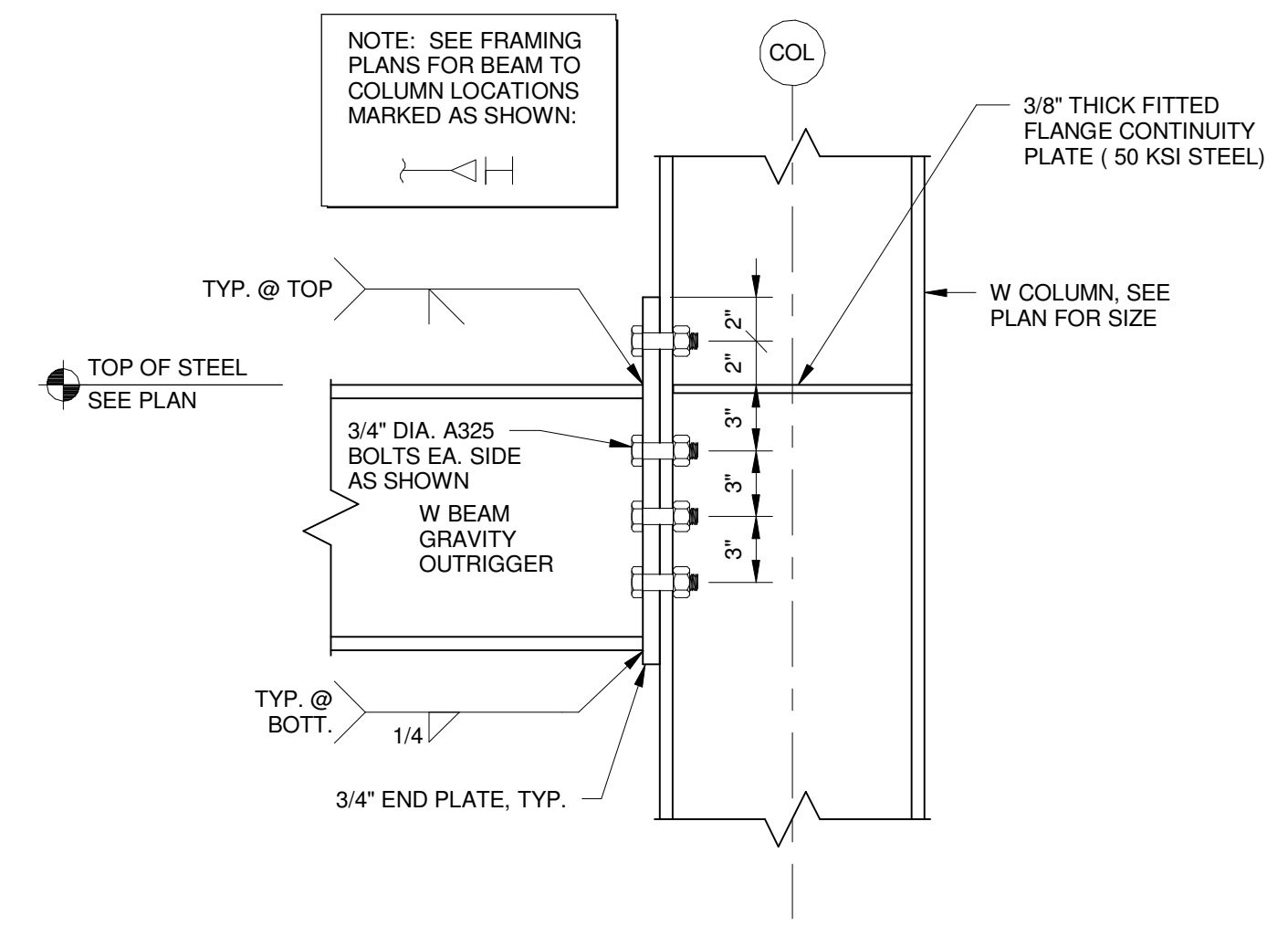
7 TYPICAL BASE PLATE AND ANCHOR ROD
3/4" = 1'-0"



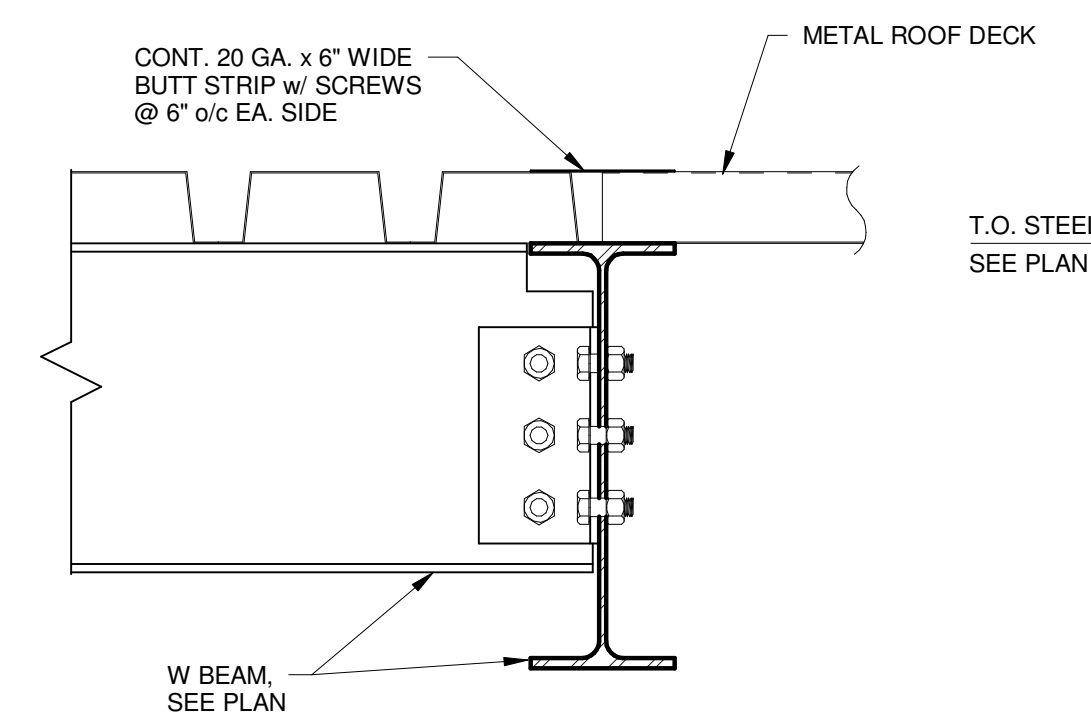
8 TYPICAL SMALL ROOF DECK OPENING
3/4" = 1'-0"



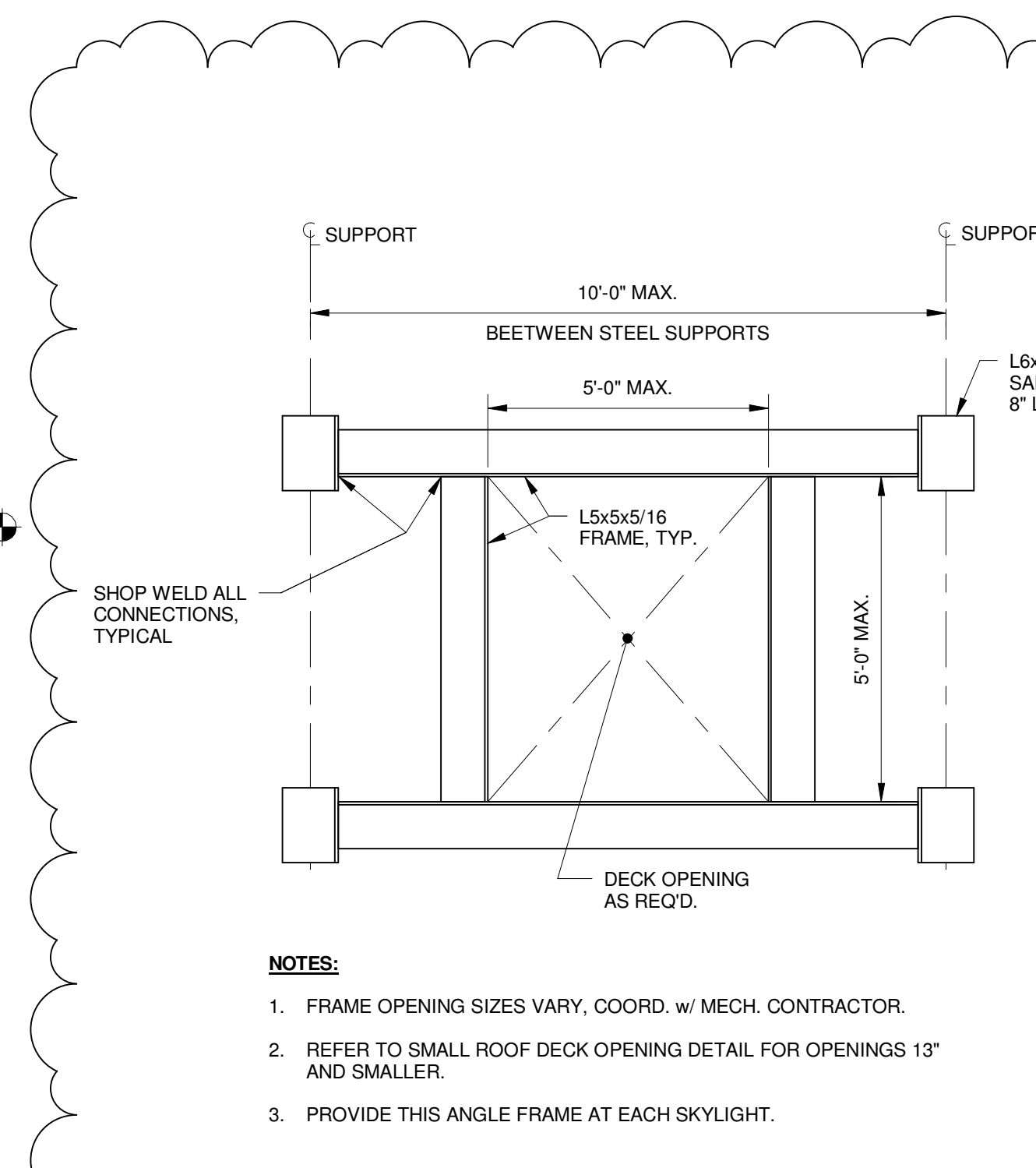
11 TYPICAL GRAVITY OUTRIGGER AT W BEAM
1 1/2" = 1'-0"



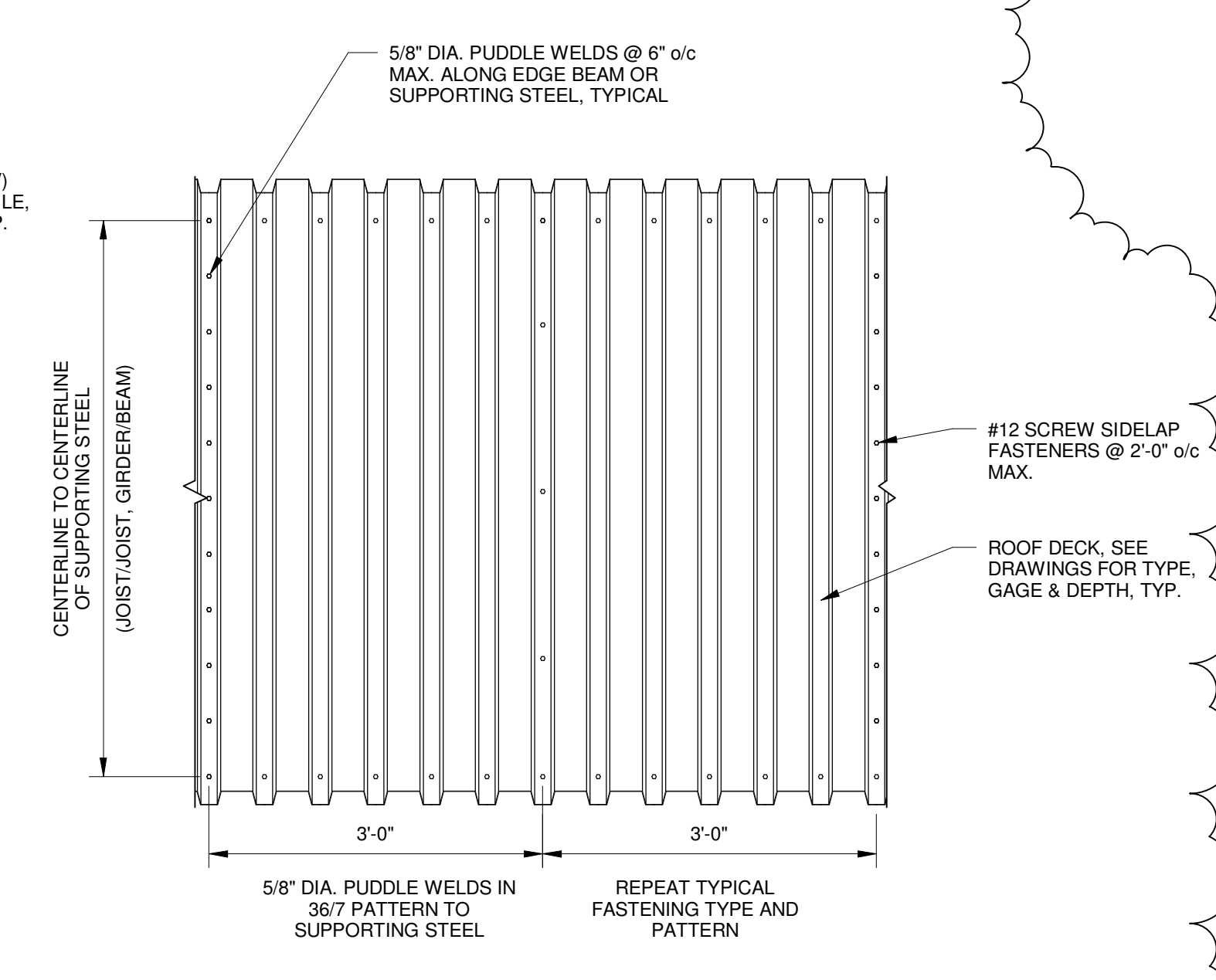
12 TYPICAL GRAVITY OUTRIGGER AT COLUMN
1 1/2" = 1'-0"



13 TYPICAL STEEL DECK CHANGES DIRECTION
1 1/2" = 1'-0"



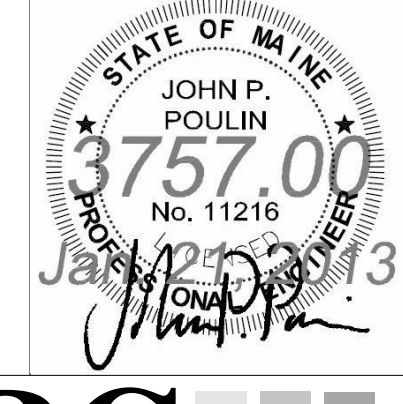
14 TYPICAL ROOF DECK OPENING
3/4" = 1'-0"



15 TYPICAL ROOF DECK FASTENER LAYOUT DETAIL
3/4" = 1'-0"

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3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	ADDENDUM #2	09-21-2012
0	NW ENTRY F.S.E. CON. DOCS	08-23-2012

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
 PORTLAND, MAINE

TYPICAL STEEL FRAMING SECTIONS AND DETAILS

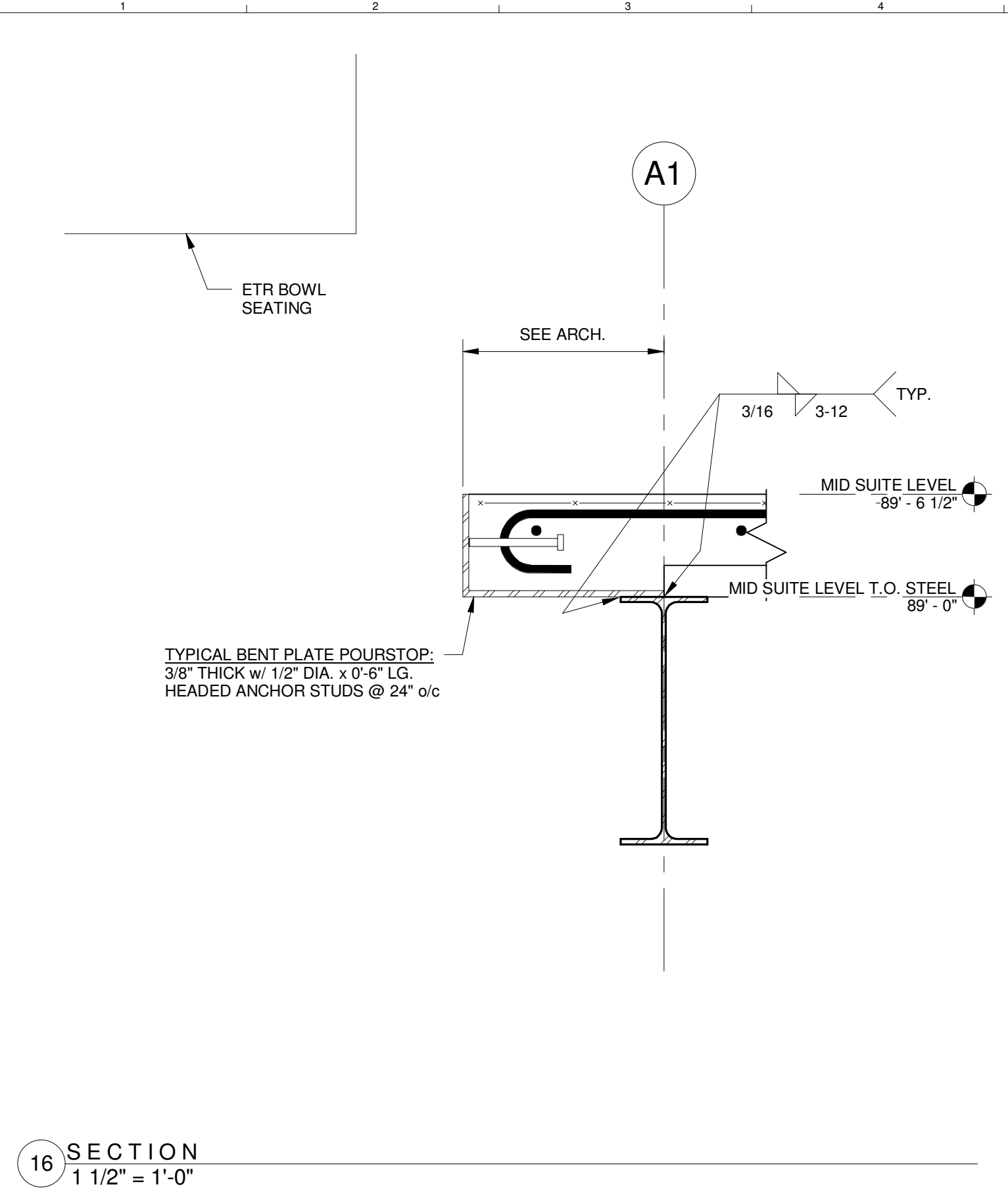
PROJECT No.	GRAPHIC SCALE
3757.00	1" = 10'
PROJECT MANAGER: JRB	SHEET No.
DRAWN BY: ADB	\$5.00
CHECKED BY: JPP	

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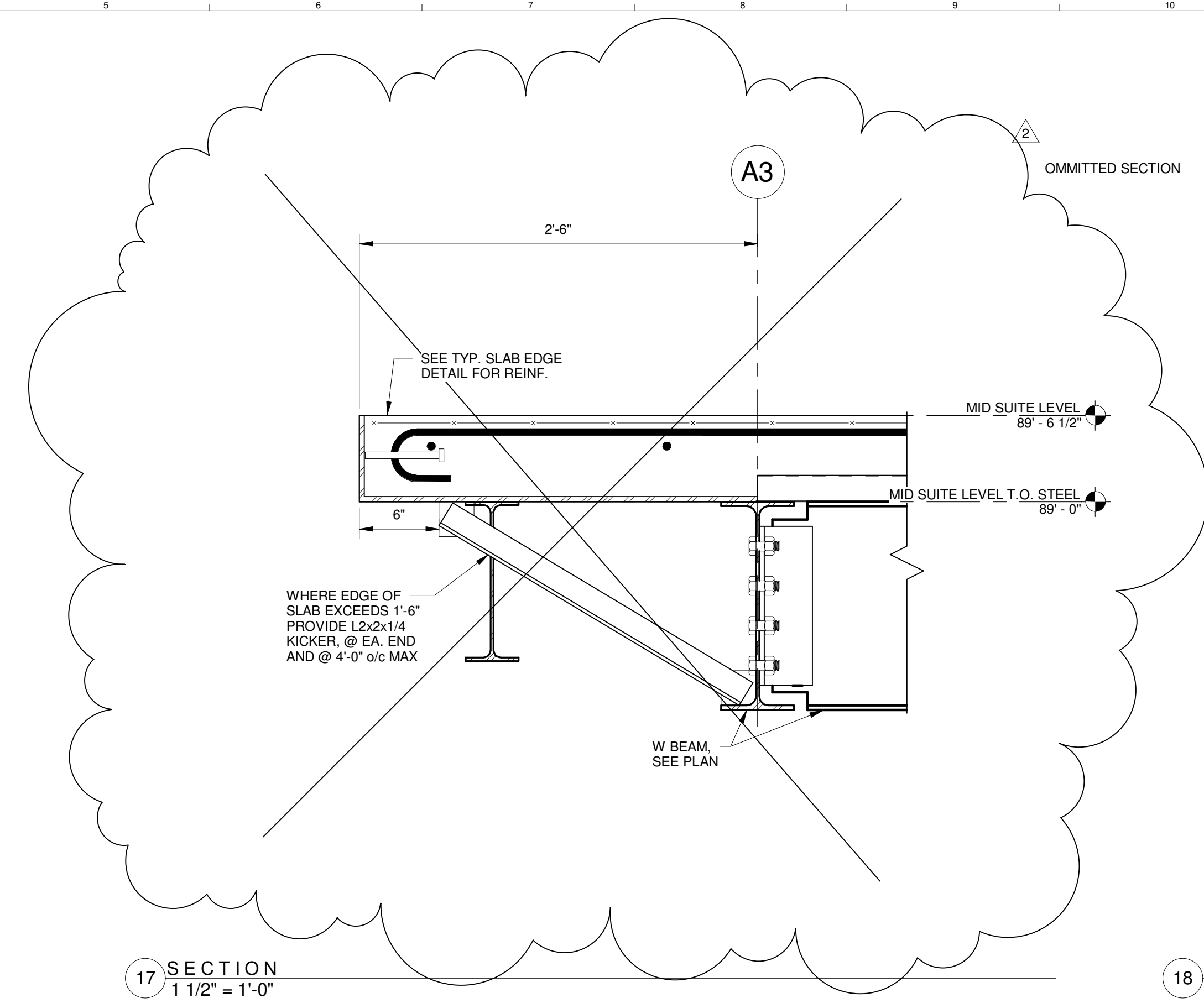
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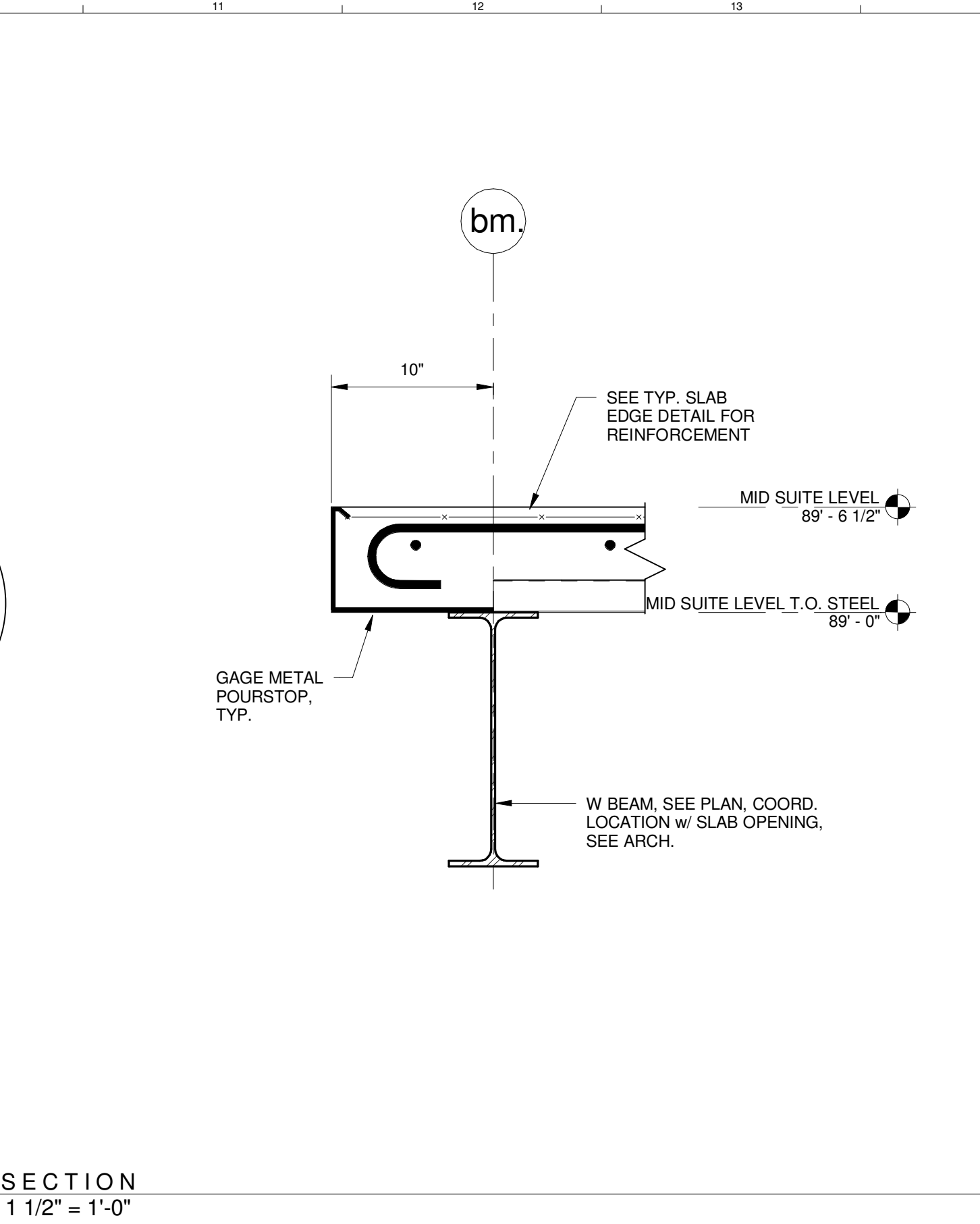
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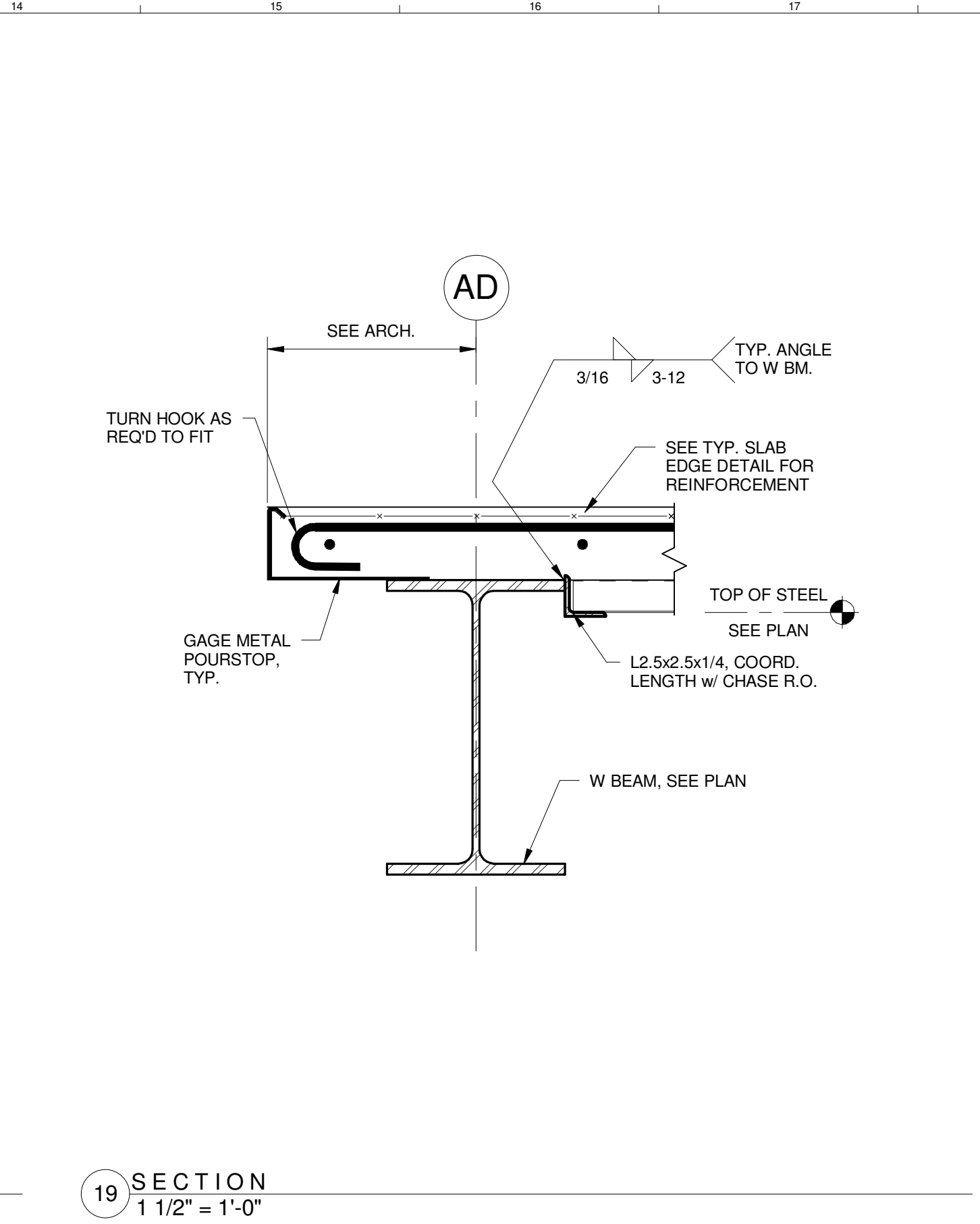
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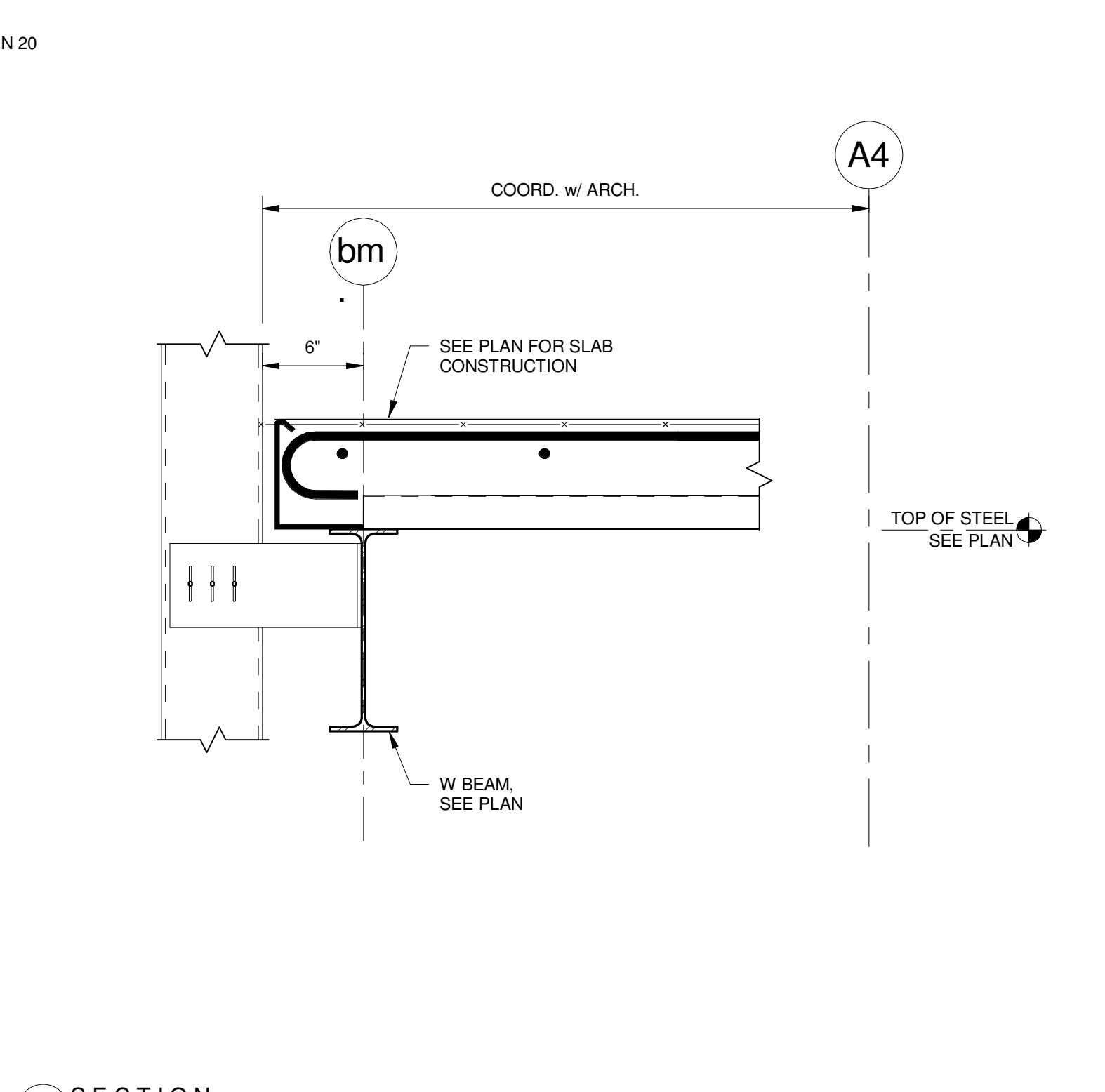
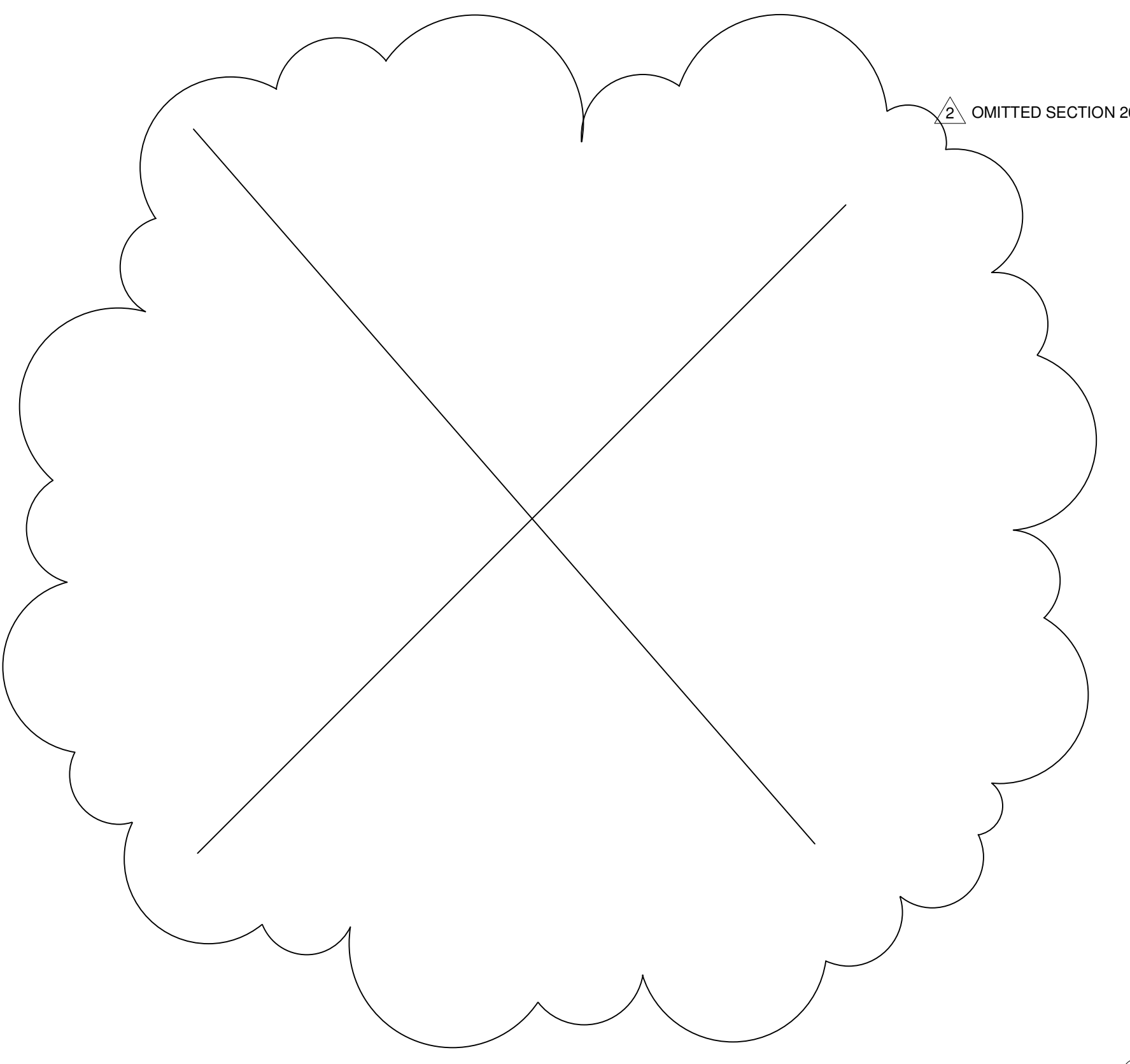
17 SECTION
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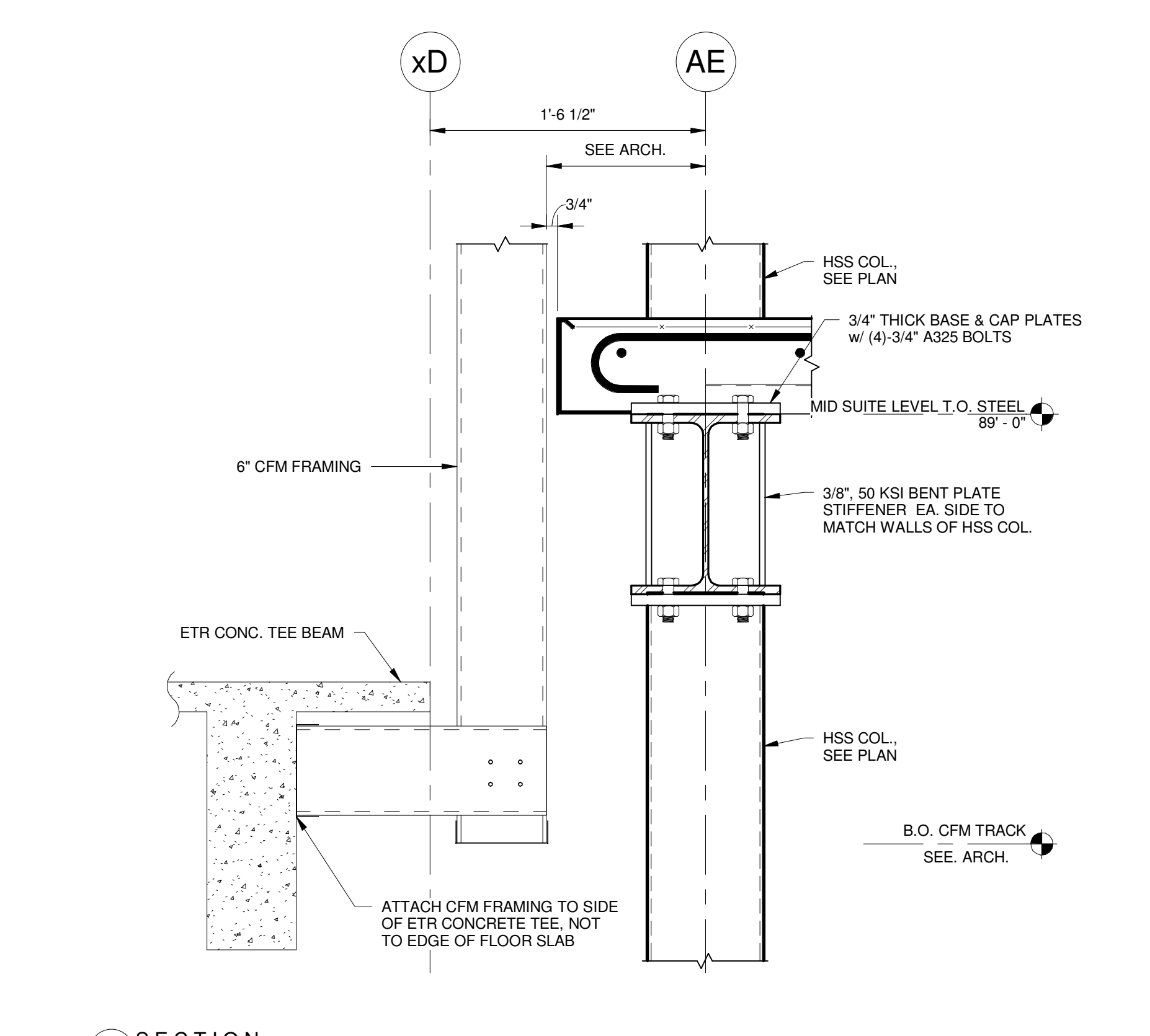
18 SECTION
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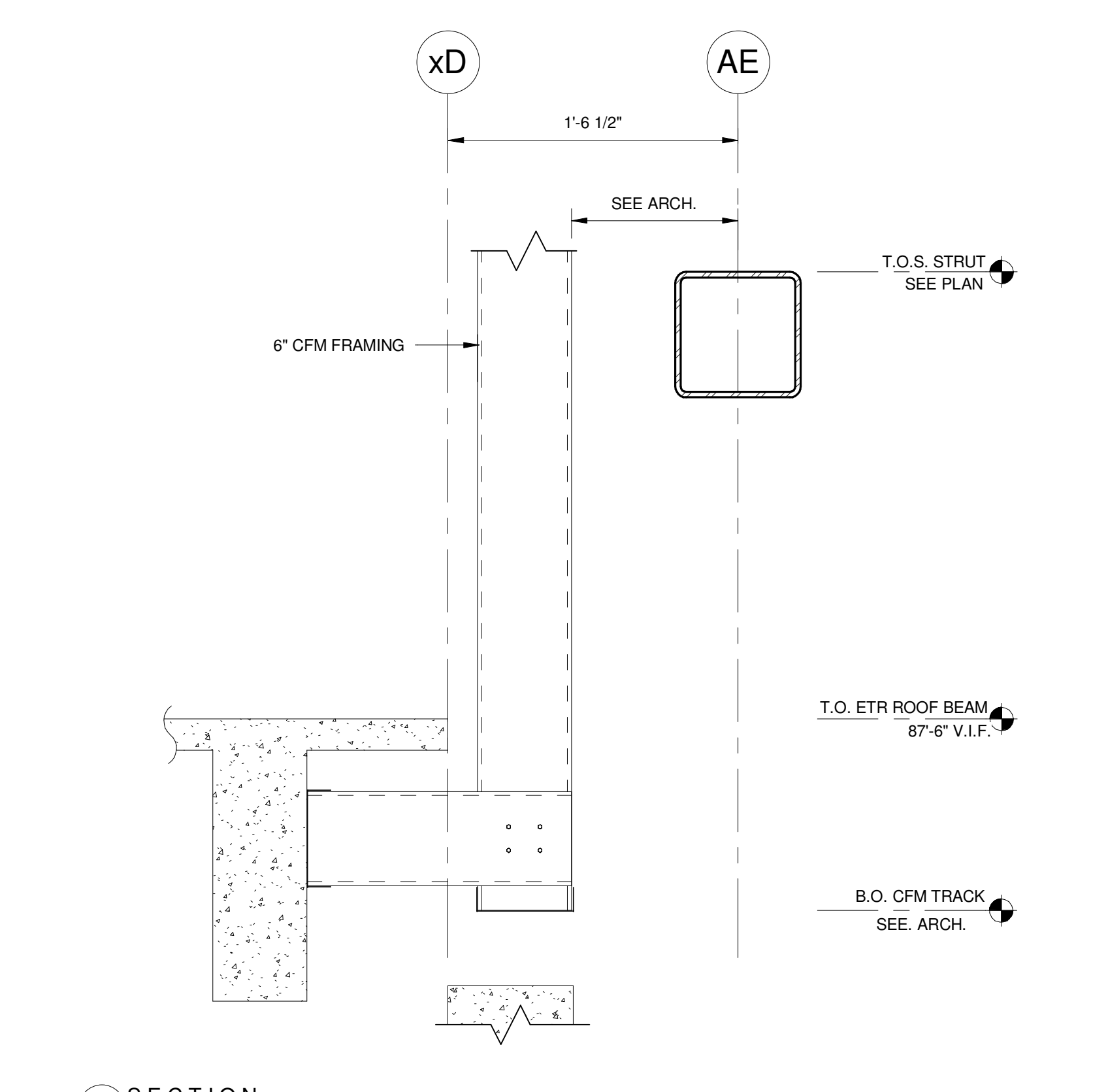
19 SECTION
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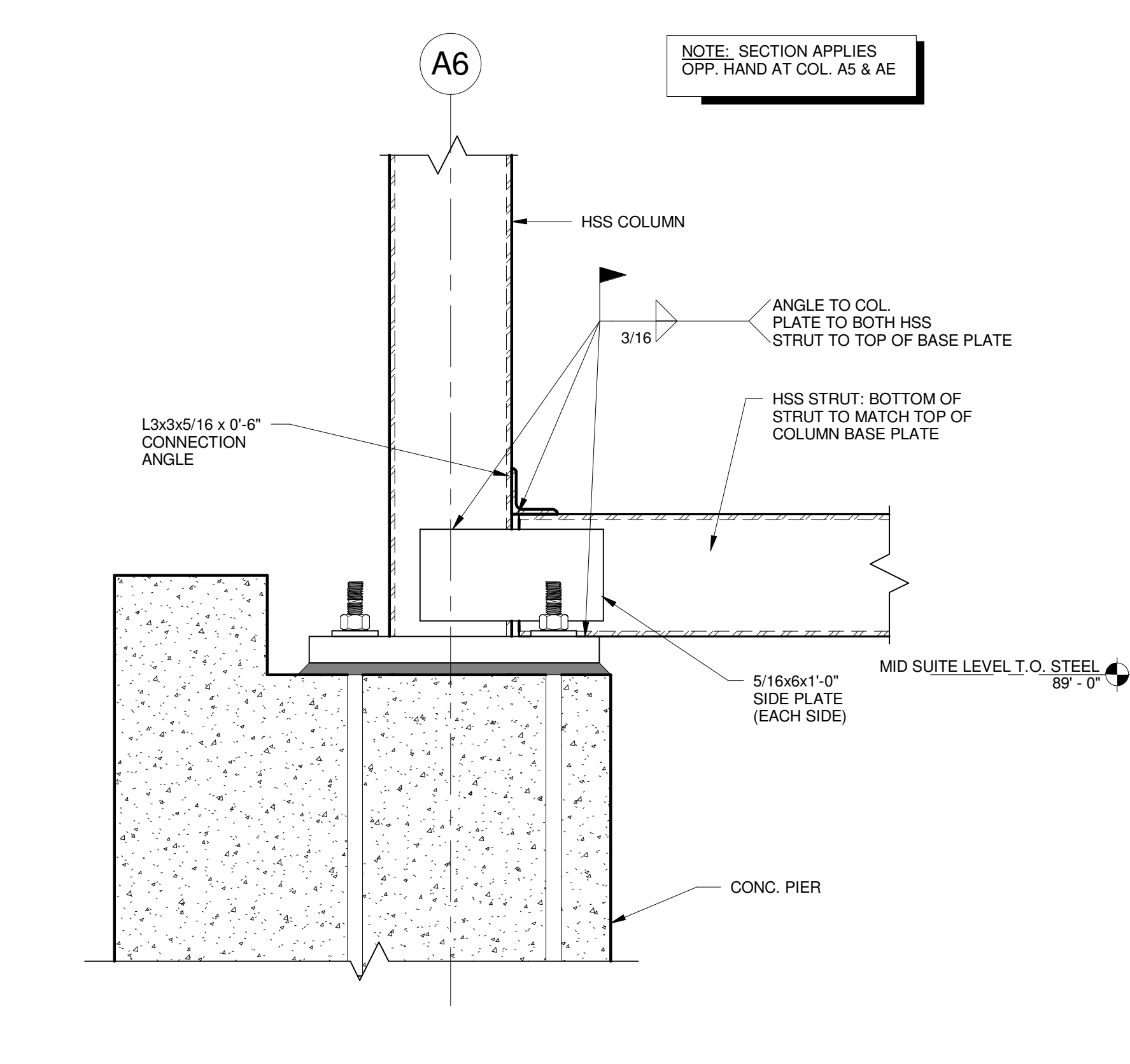
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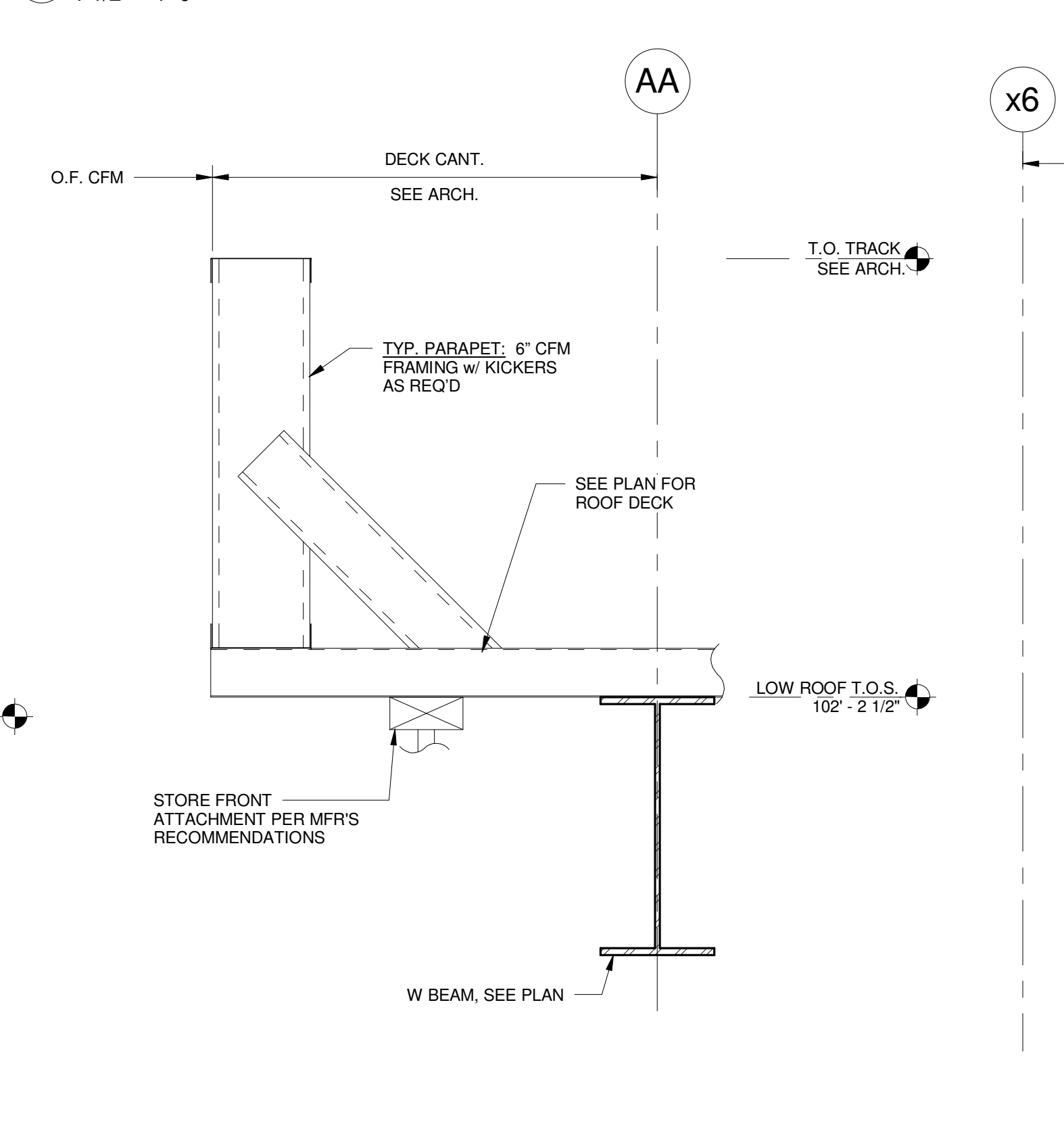
22 SECTION
1 1/2" = 1'-0"



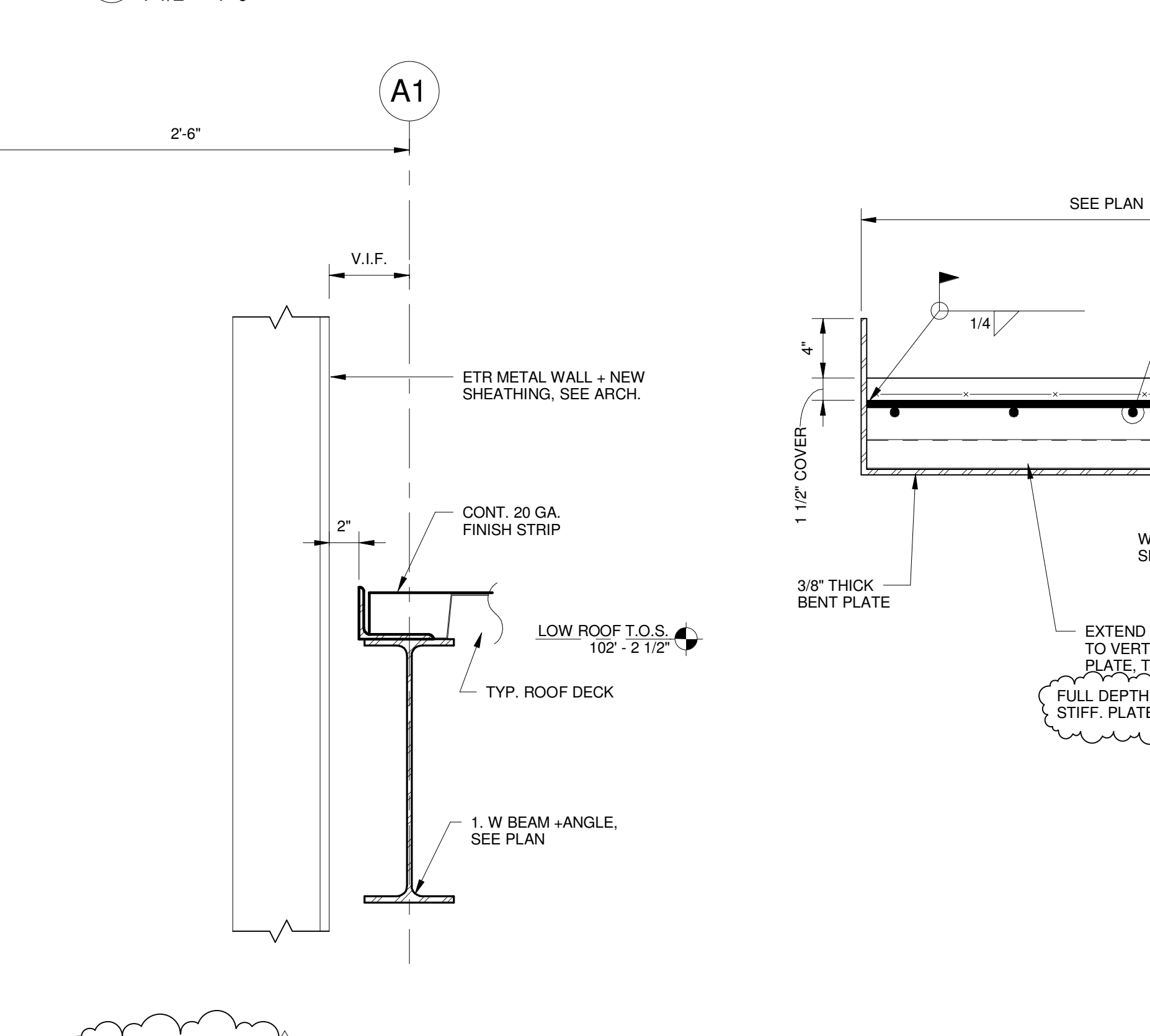
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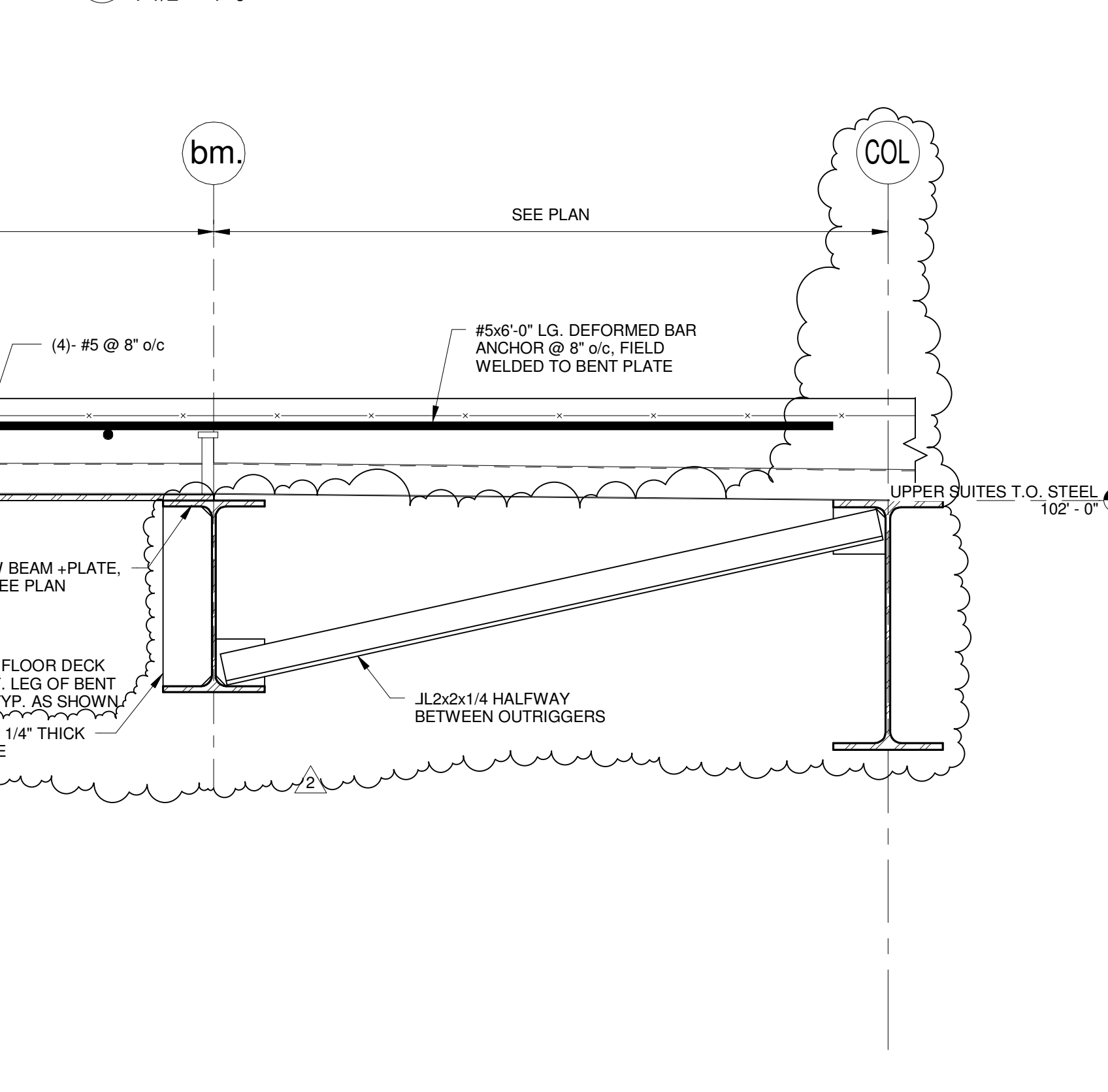
24 SECTION
1 1/2" = 1'-0"



25 SECTION
1 1/2" = 1'-0"



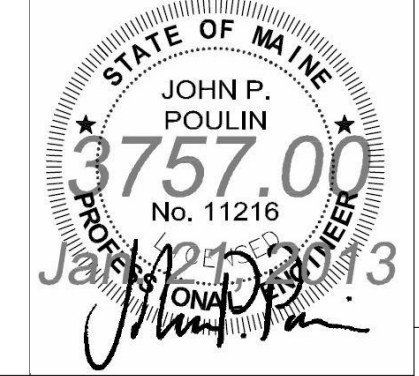
26 SECTION
1 1/2" = 1'-0"



27 SECTION
1 1/2" = 1'-0"

3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	ADDENDUM #2	09-21-2012
0	NW ENTRY F.S.E CON. DOCS	08-23-2012
REV.	DESCRIPTION	DATE

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION

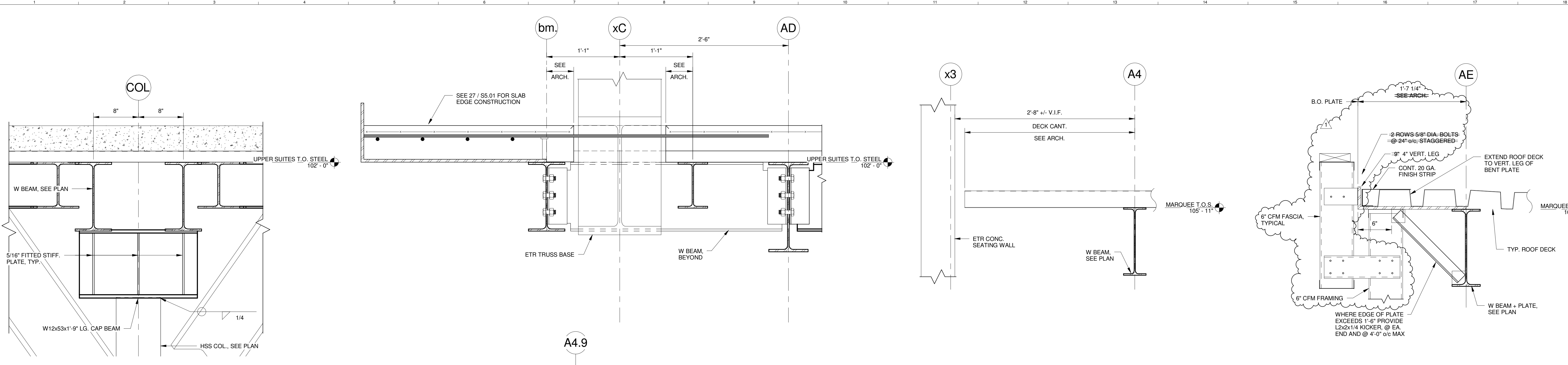
PROJECT: PORTLAND, MAINE
STEEL FLOOR FRAMING SECTIONS AND DETAILS

SHEET TITLE:	STEEL FLOOR FRAMING SECTIONS AND DETAILS
WBRC CAD FILE:	C:\Users\jand\peller\Documents\37570 - CCCO Structure_dwd\peller.rvt
PROJECT No.	3757.00
SCALE:	1 1/2" = 1'-0"
PROJECT MANAGER:	JRB
DRAWN BY:	ADB
CHECKED BY:	JPP
SHEET No.	S5.01

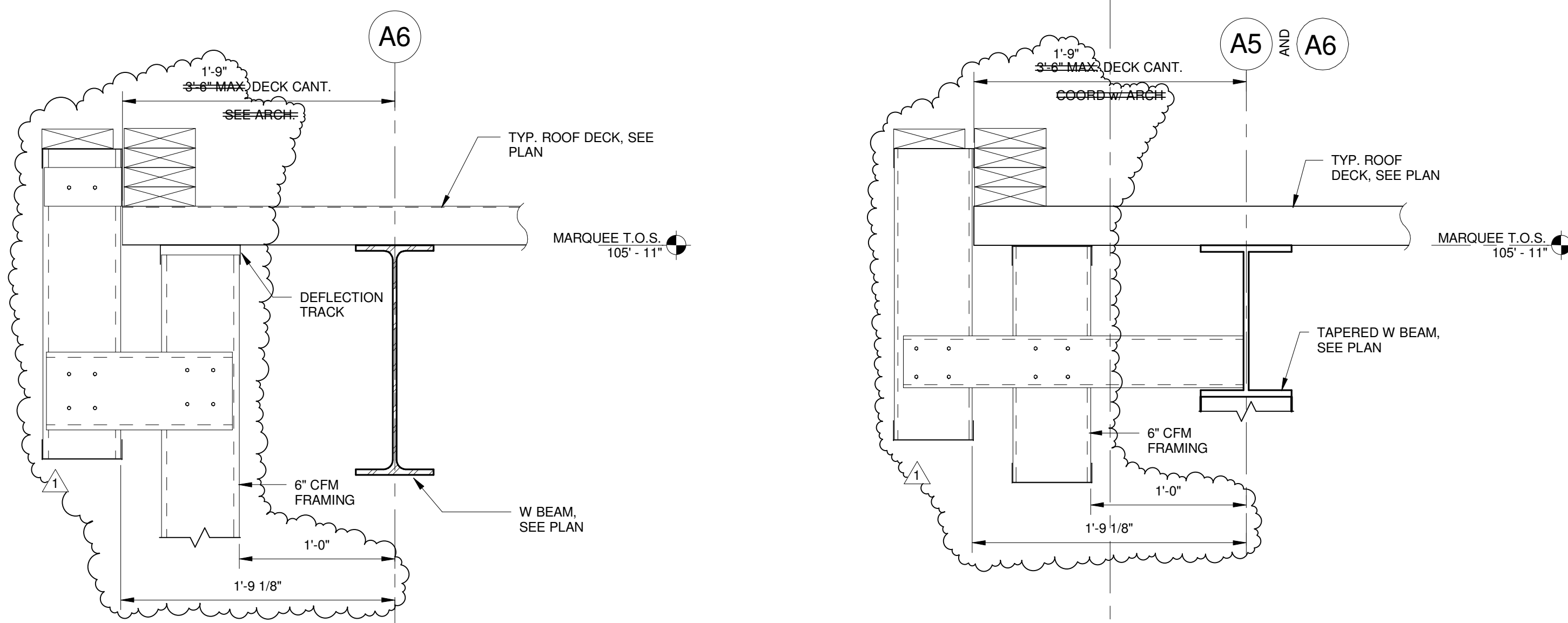
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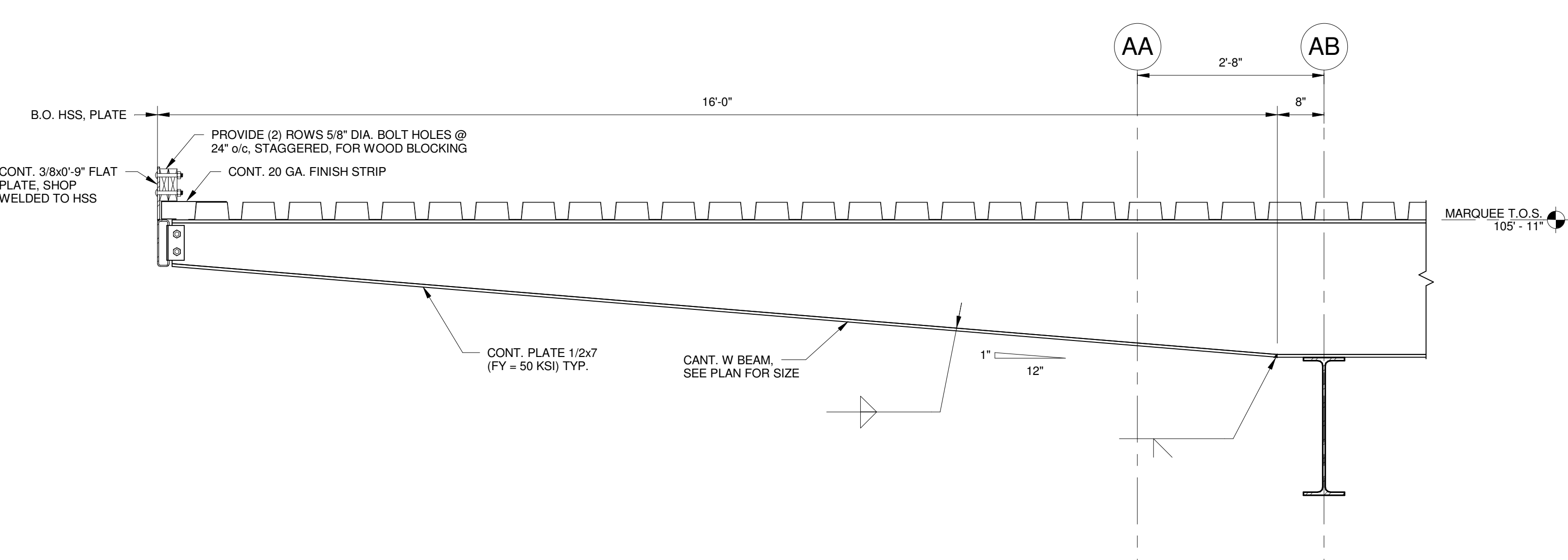
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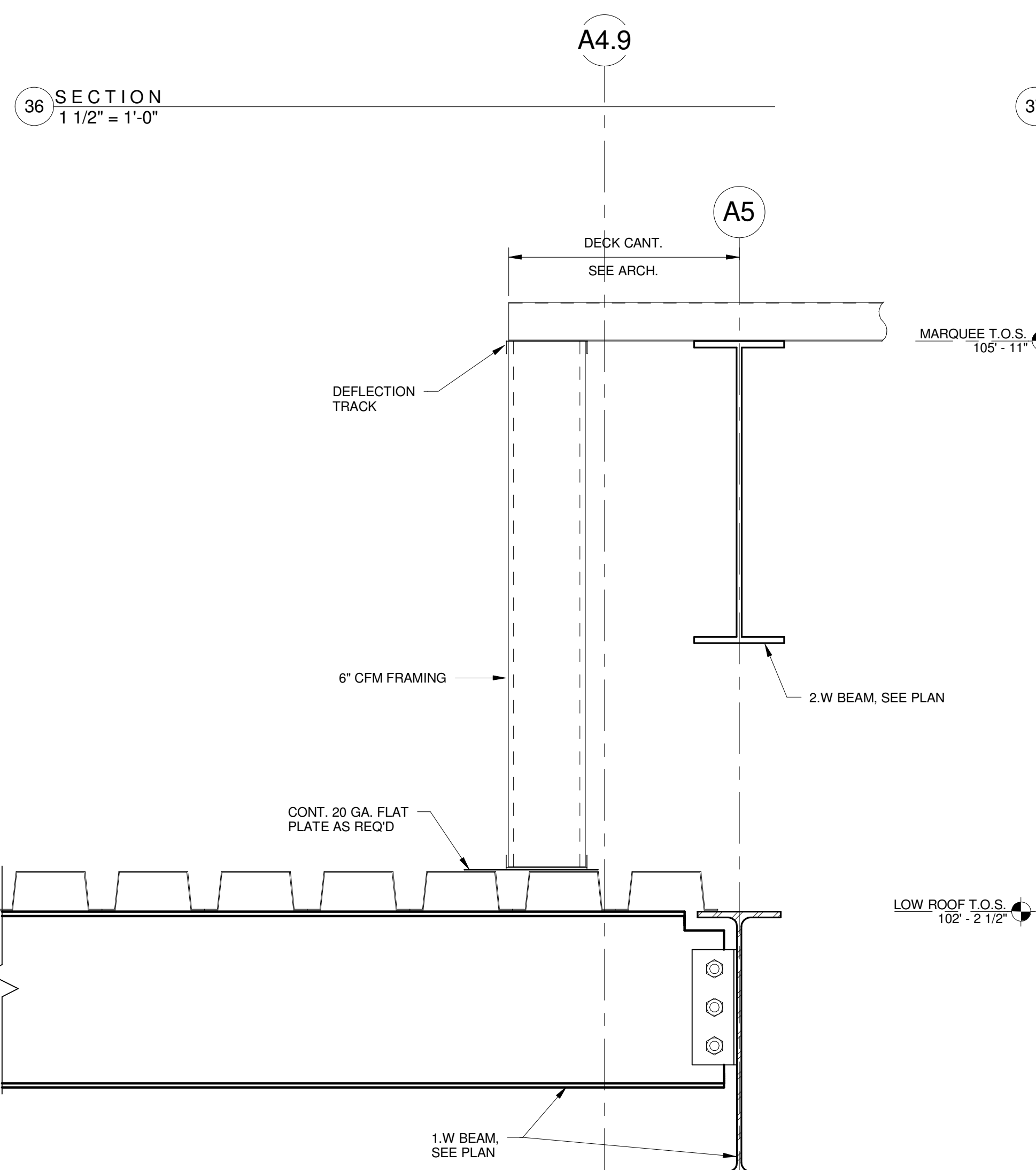
30 SECTION 1 1/2" = 1'-0" 31 SECTION 1 1/2" = 1'-0" 32 SECTION 1 1/2" = 1'-0" 33 SECTION 1 1/2" = 1'-0"



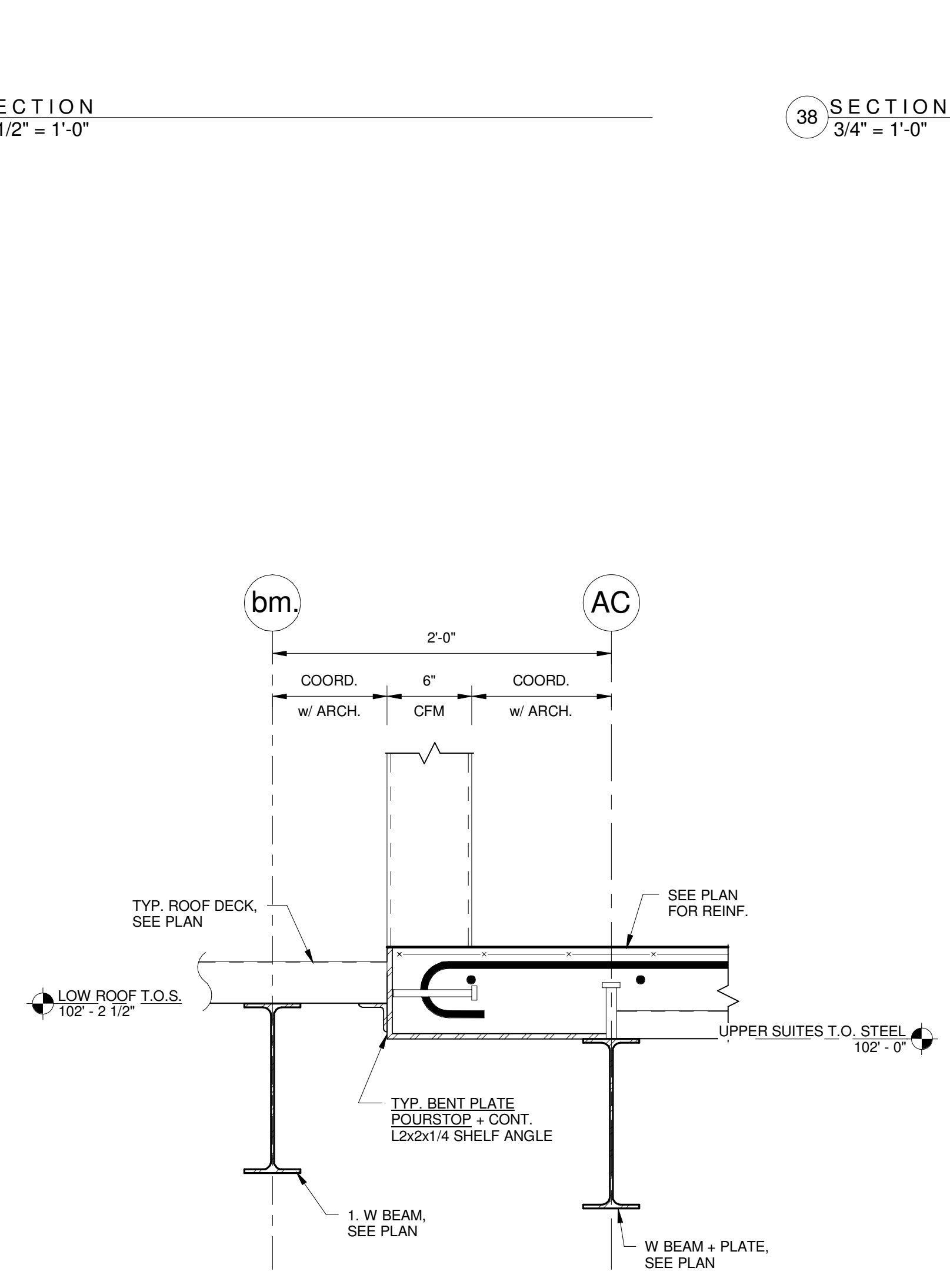
36 SECTION 1 1/2" = 1'-0" 37 SECTION 1 1/2" = 1'-0"



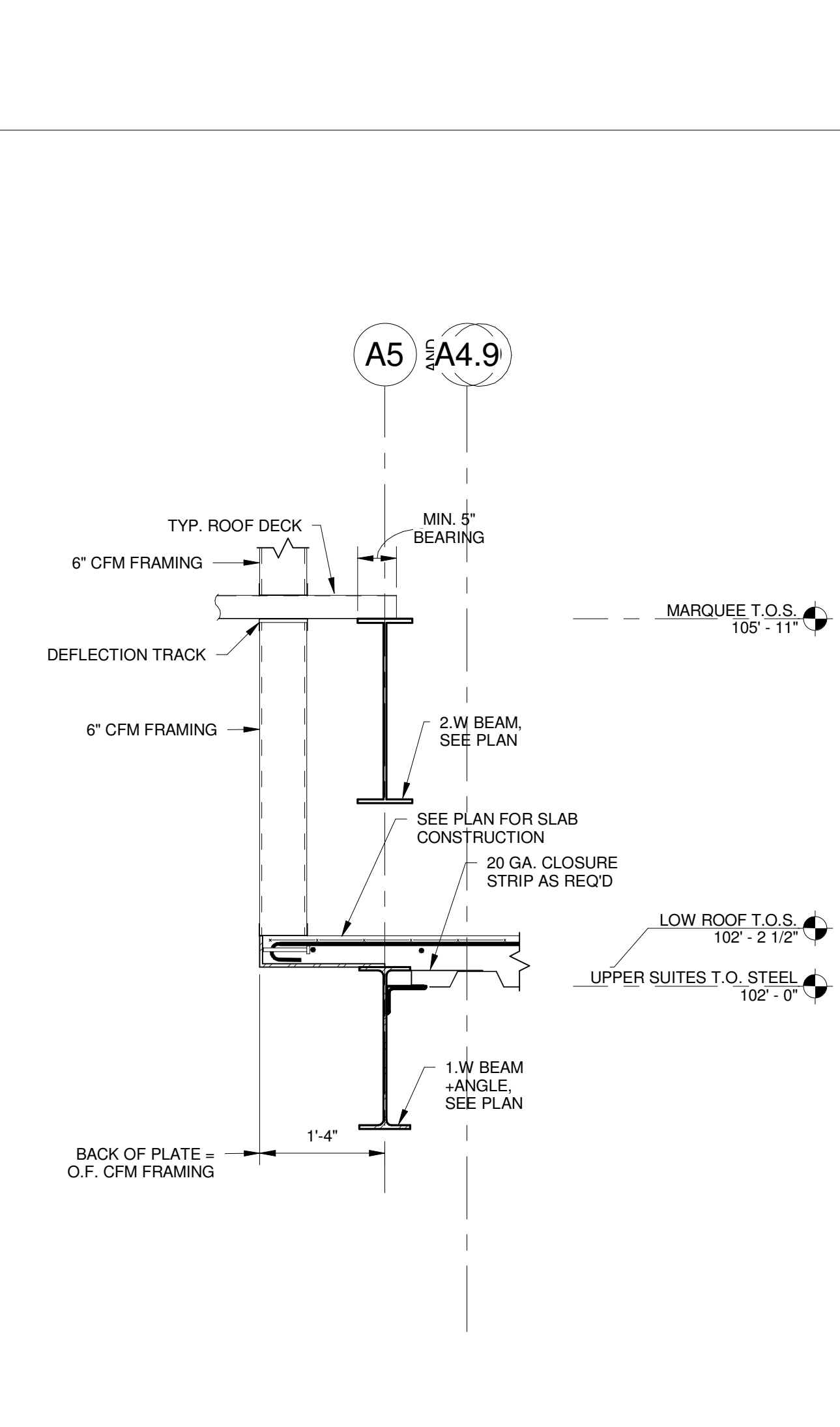
38 SECTION 3/4" = 1'-0"



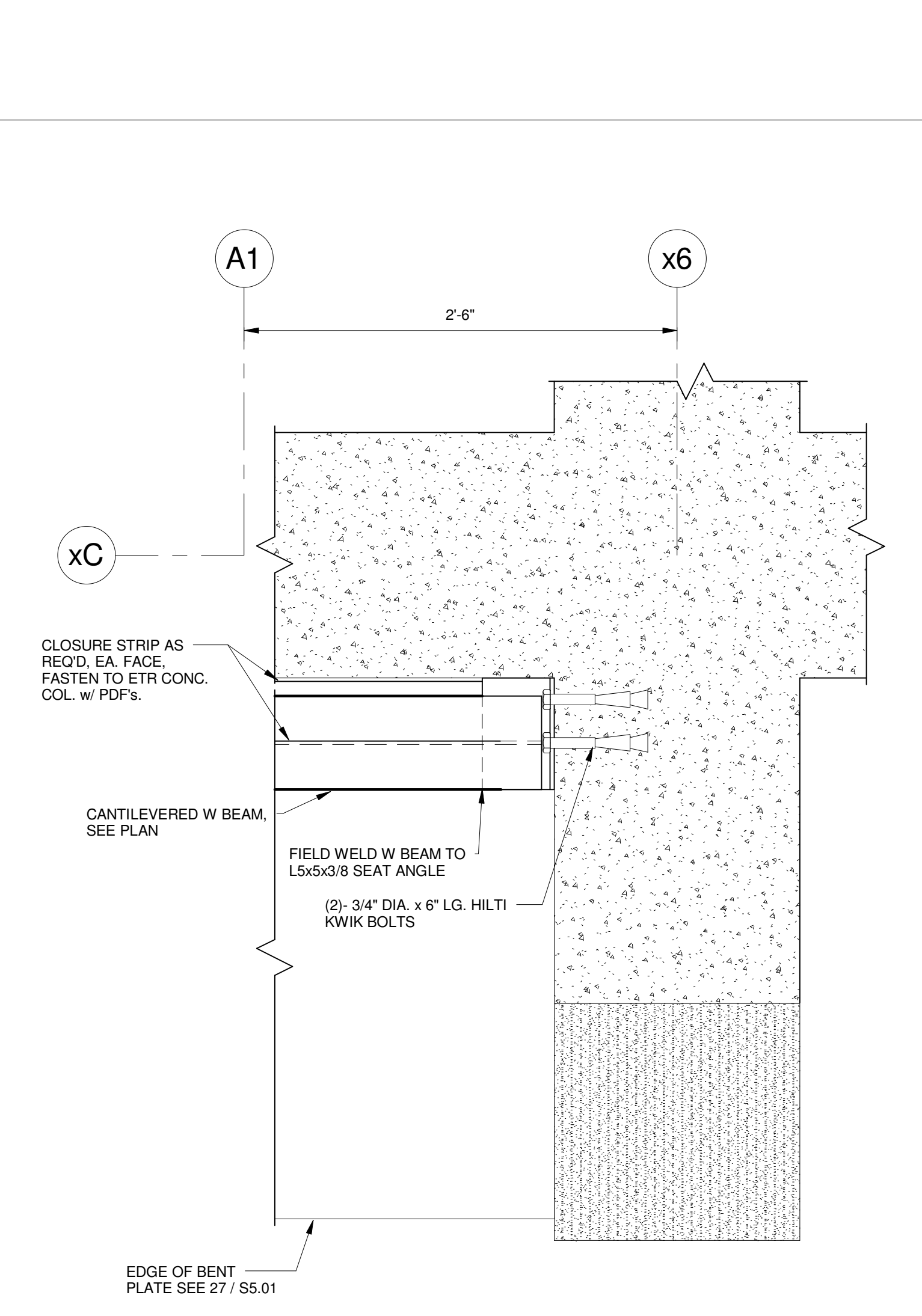
41 SECTION 1 1/2" = 1'-0"



42 SECTION 1 1/2" = 1'-0" ADDED SECTION



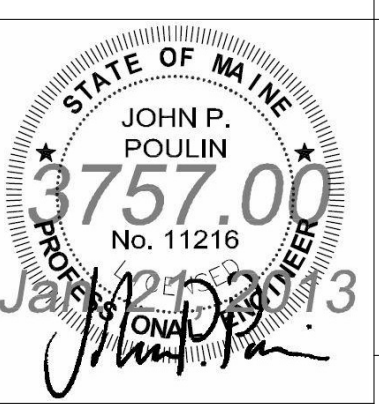
43 SECTION 3/4" = 1'-0"



44 DETAIL 1 1/2" = 1'-0"

Table with 3 columns: REV., DESCRIPTION, DATE. Contains revision history for construction documents.

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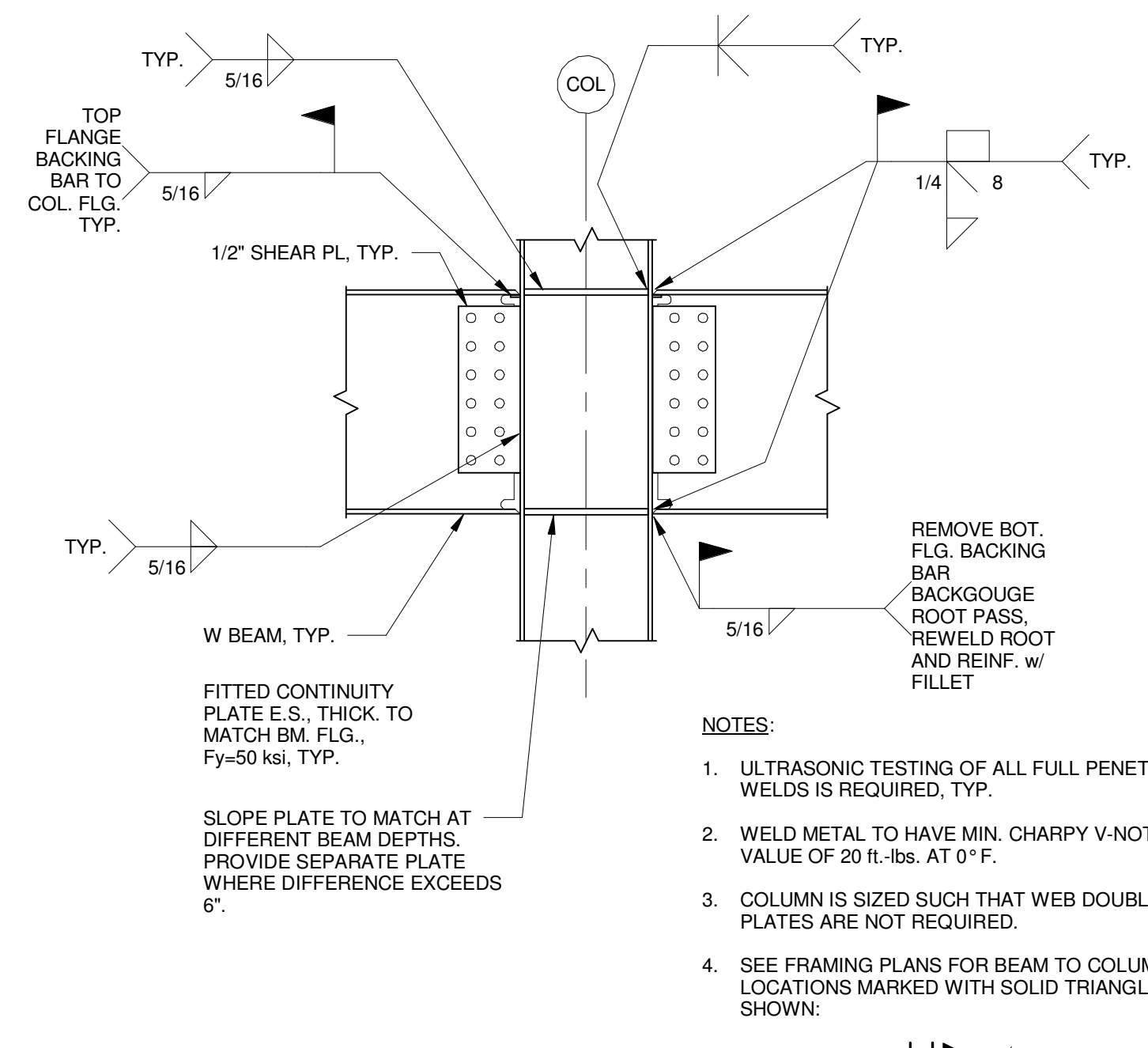
STEEL FLOOR FRAMING SECTIONS AND DETAILS

Table with 2 columns: PROJECT, SHEET No. Contains project information and sheet number S5.02.

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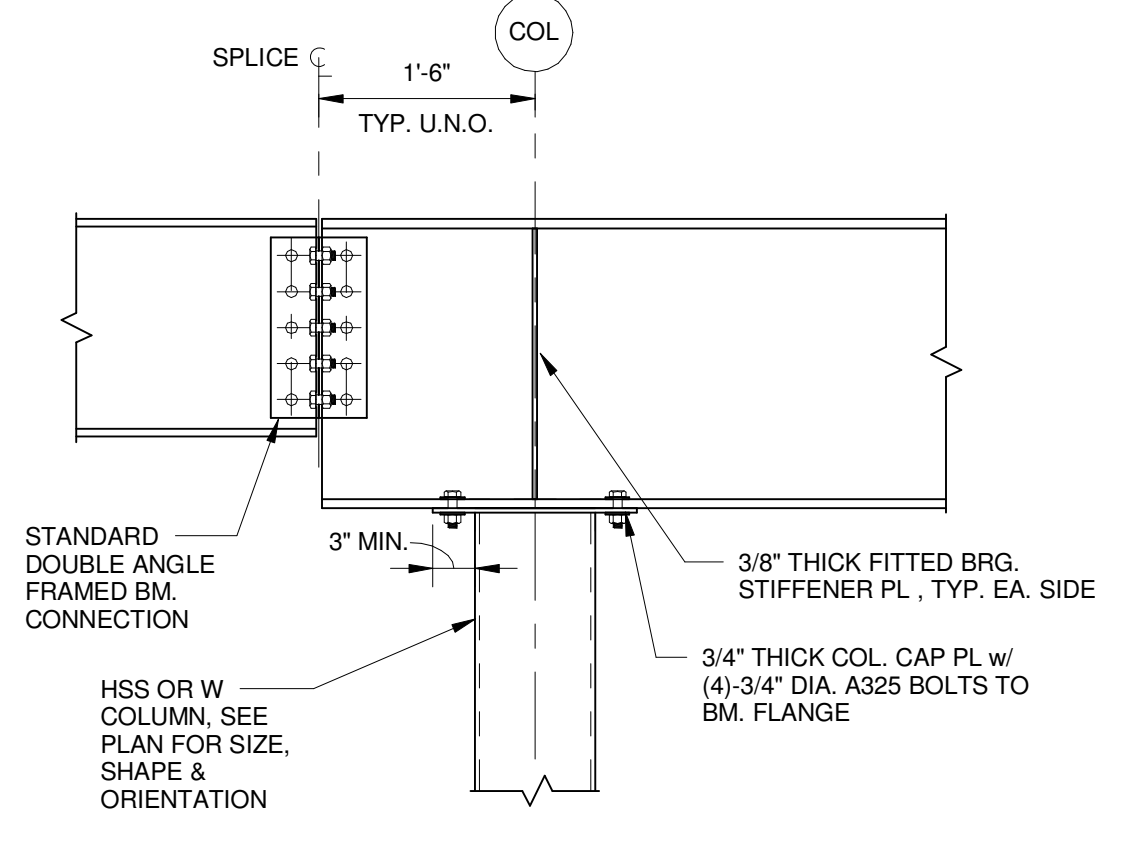
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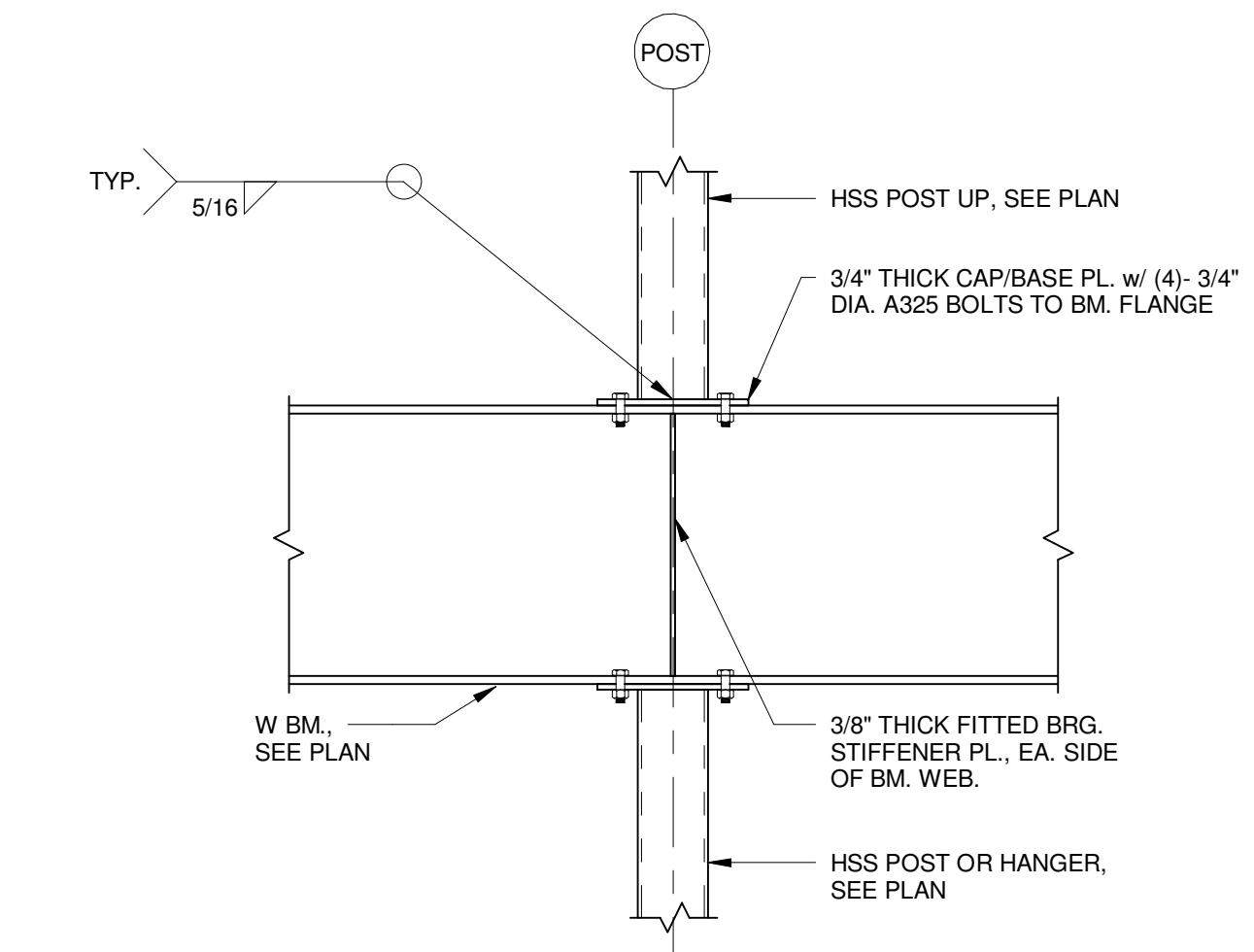
- NOTES:**
1. ULTRASONIC TESTING OF ALL FULL PENETRATION WELDS IS REQUIRED, TYP.
 2. WELD METAL TO HAVE MIN. CHARPY V-NOTCH VALUE OF 20 ft.-lbs. AT 0° F.
 3. COLUMN IS SIZED SUCH THAT WEB DOUBLER PLATES ARE NOT REQUIRED.
 4. SEE FRAMING PLANS FOR BEAM TO COLUMN LOCATIONS MARKED WITH SOLID TRIANGLE AS SHOWN.

46. TYPICAL MOMENT CONNECTION
3/4" = 1'-0"



NOTE:
APPLY THIS DETAIL AT THE TOP OF ALL HSS COLUMNS OR POSTS WITH OR WITHOUT CANTILEVER.

47. TYPICAL W BEAM TO HSS COL. (w/ CANT.)
3/4" = 1'-0"



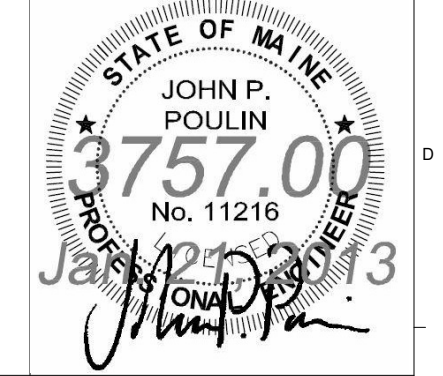
48. TYPICAL POST UP/DOWN
3/4" = 1'-0"

REV.	DESCRIPTION	DATE
0	CONSTRUCTION DOCUMENTS	01-21-2013

CONSTRUCTION DOCUMENTS

01-21-2013

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PORTLAND, MAINE

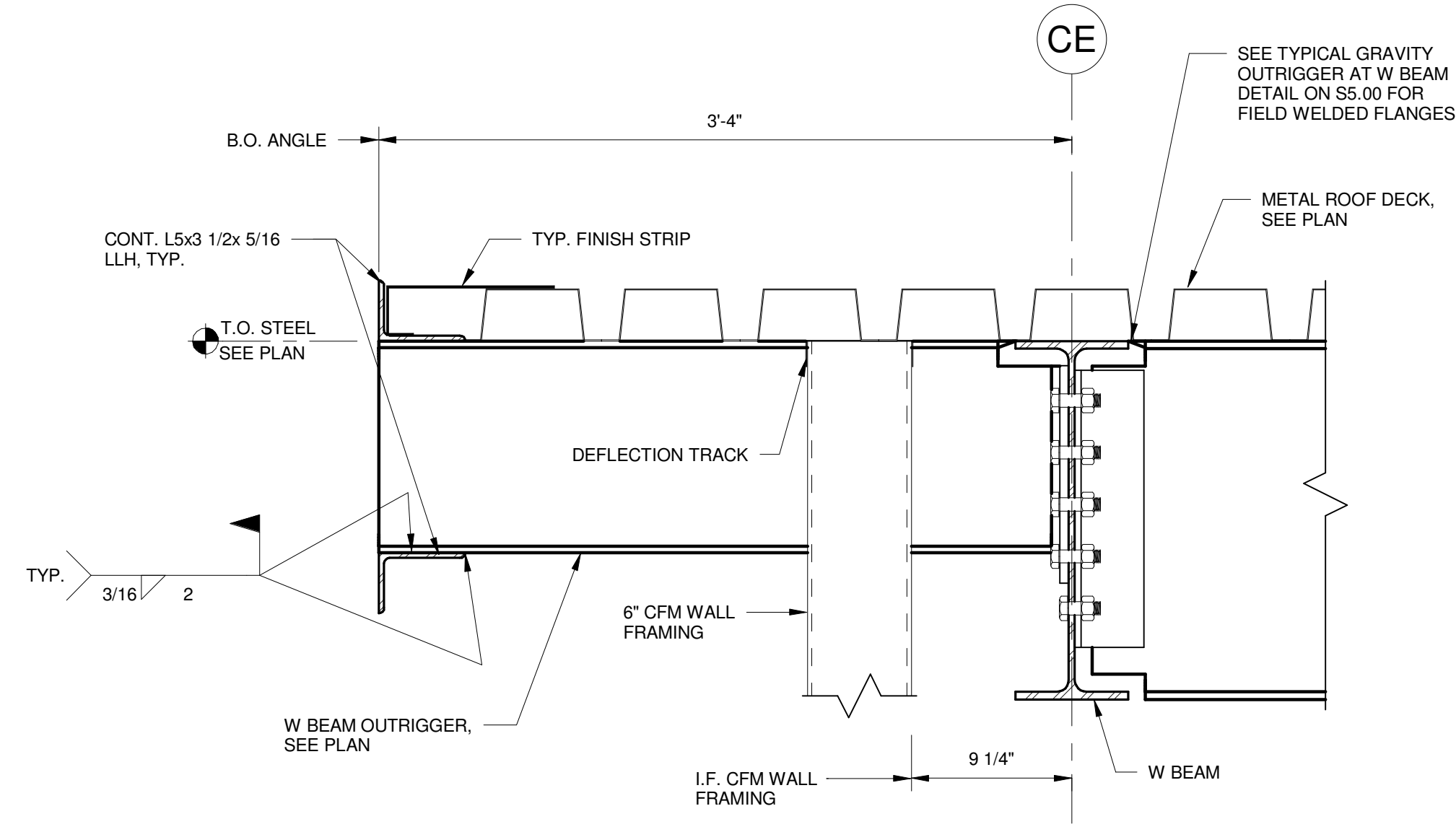
TYPICAL STEEL FRAMING SECTIONS AND DETAILS

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PROJECT No. 3757.00	GRAPHIC SCALE 1" = 1'
SCALE 3/4" = 1'-0"	
PROJECT MANAGER: JRB	SHEET No. 5.03
DRAWN BY: ARW	
CHECKED BY: JPP	

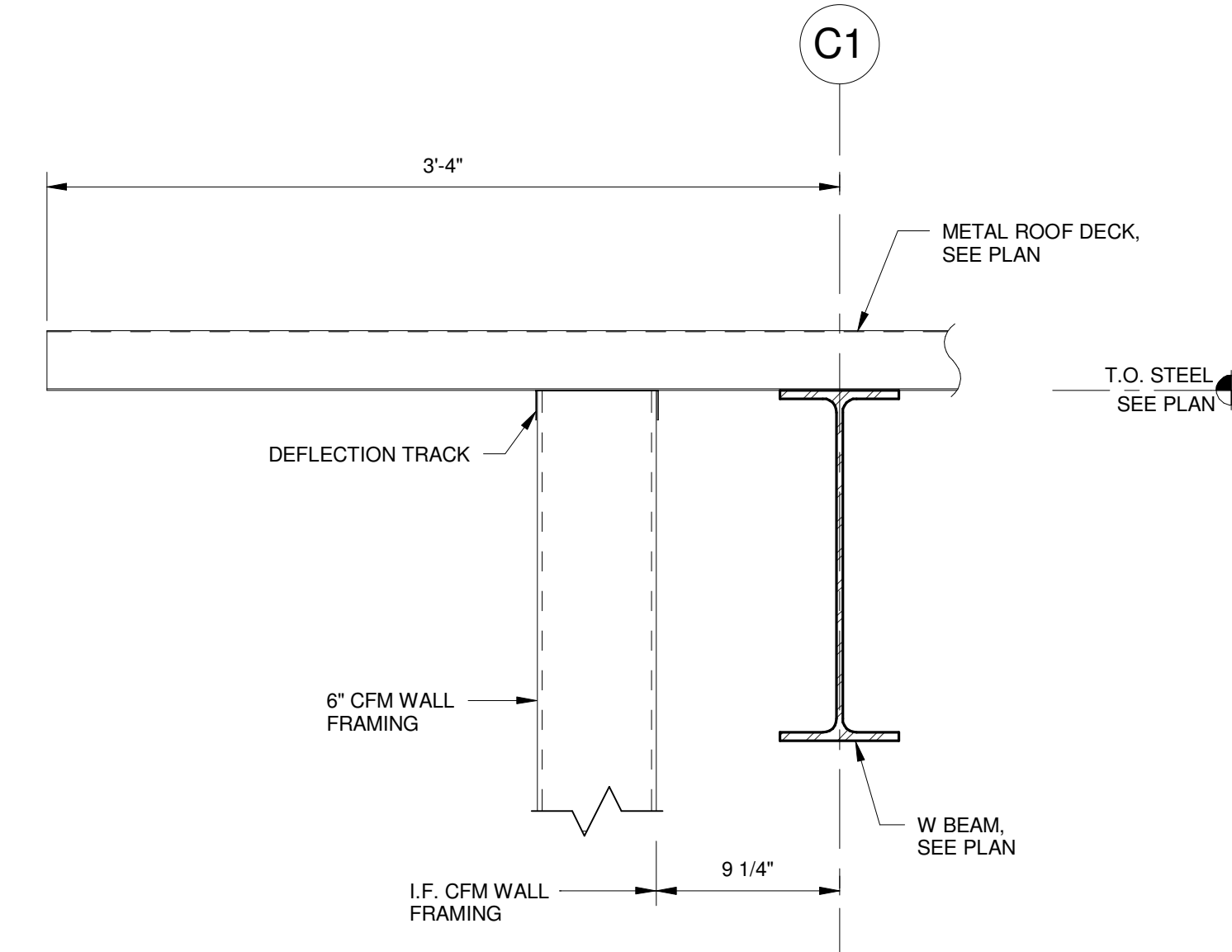
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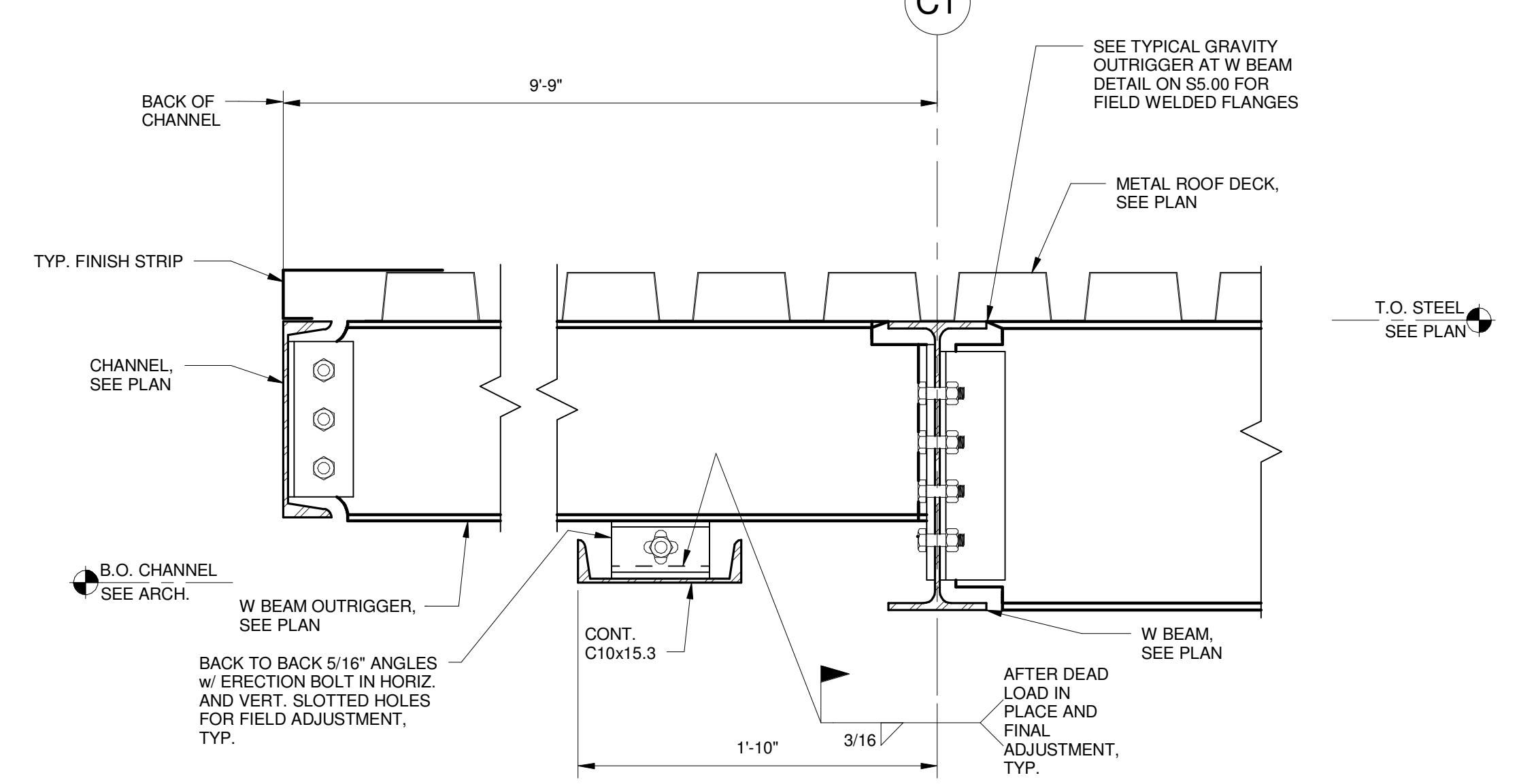
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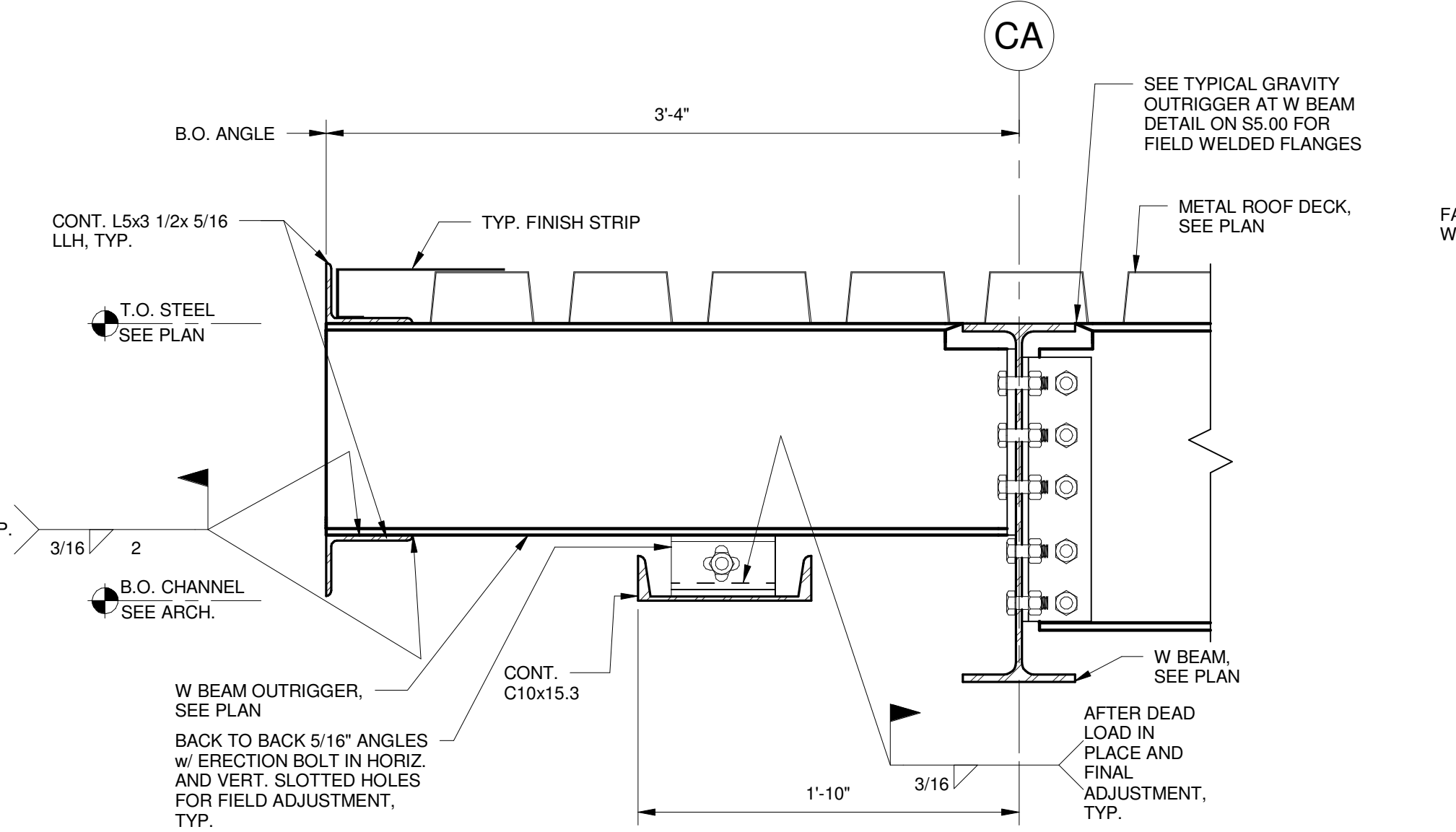
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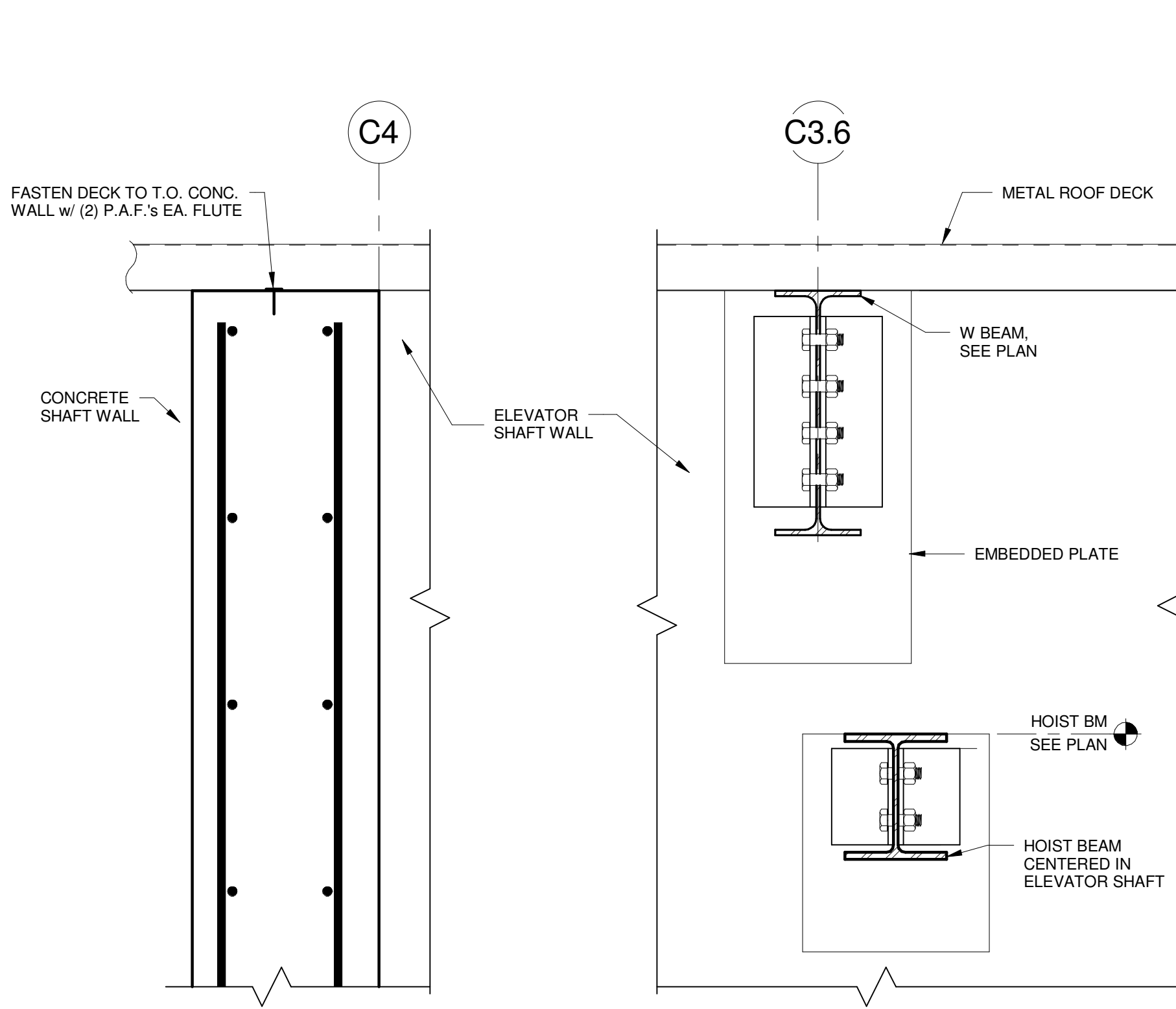
62 SECTION
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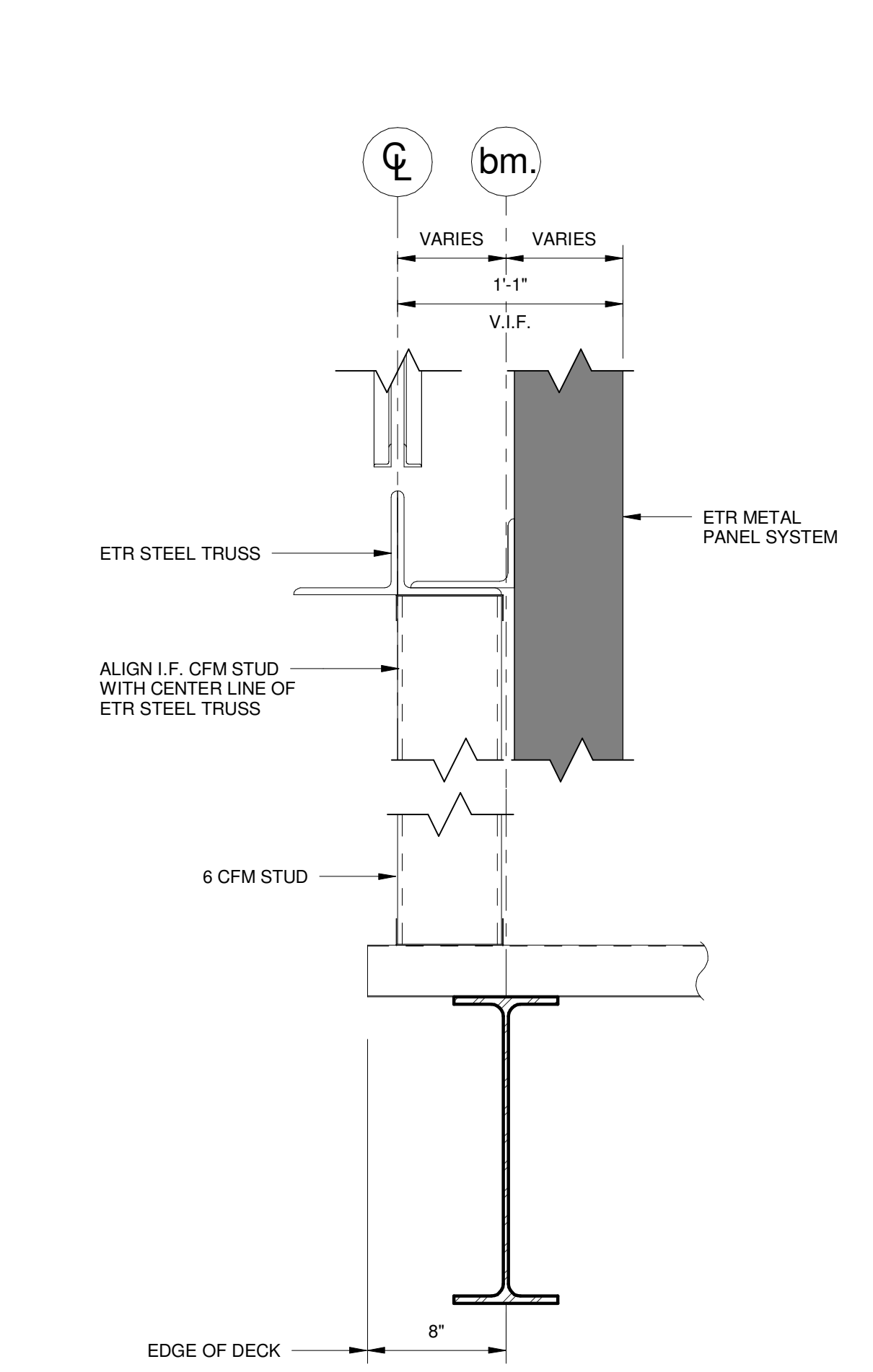
63 SECTION
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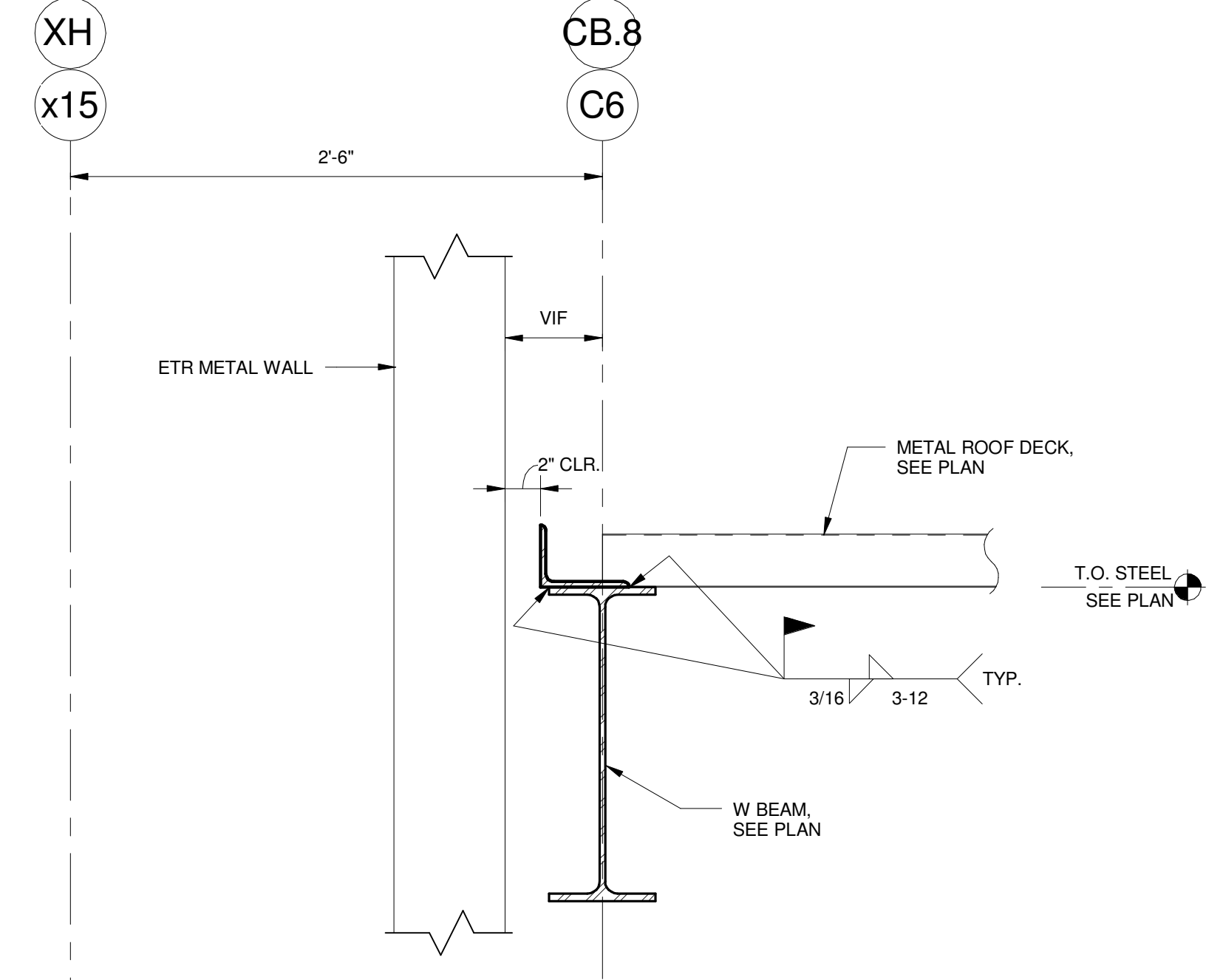
66 SECTION
1 1/2" = 1'-0"



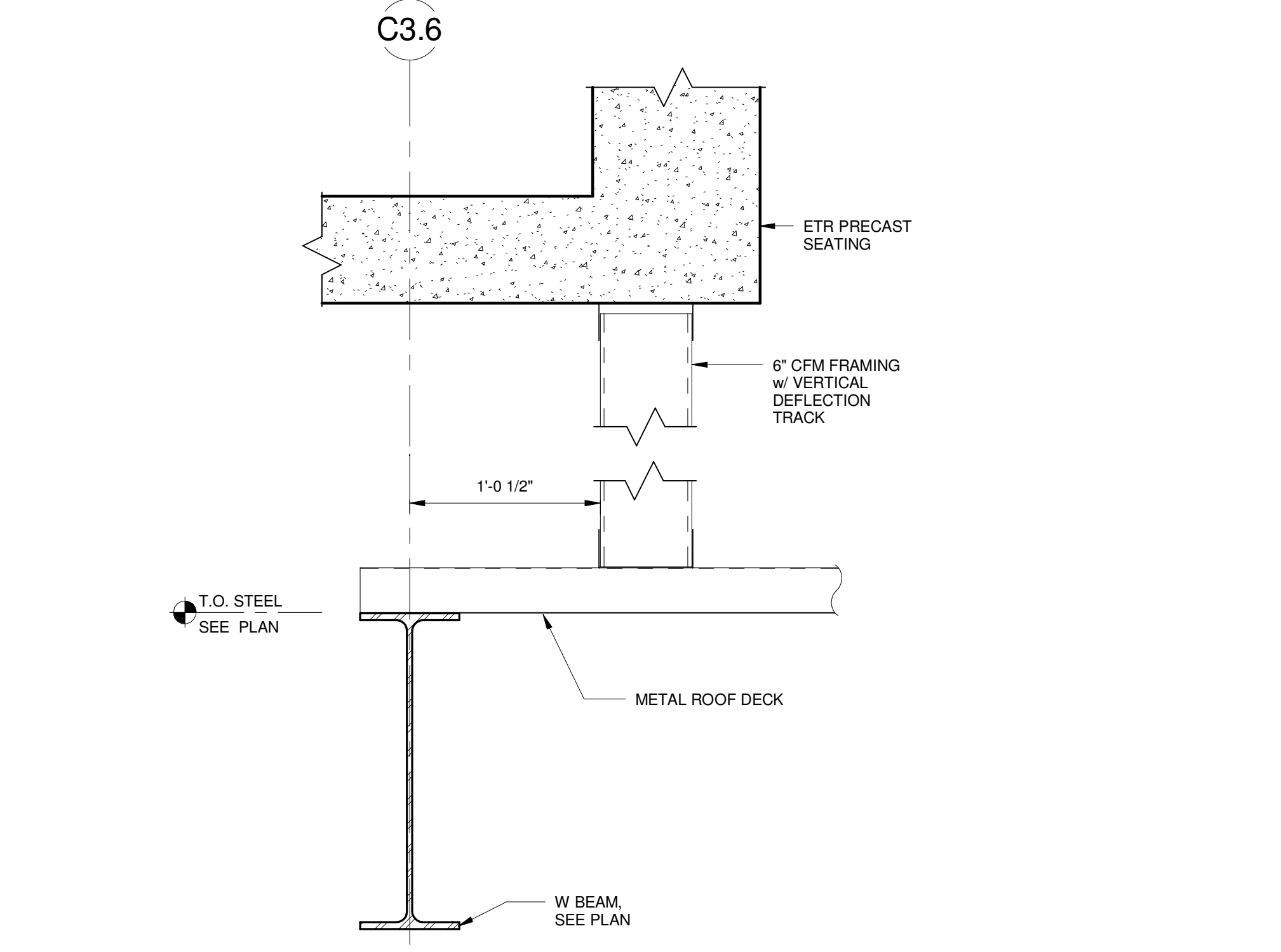
67 SECTION
1 1/2" = 1'-0"



68 SECTION
1 1/2" = 1'-0"



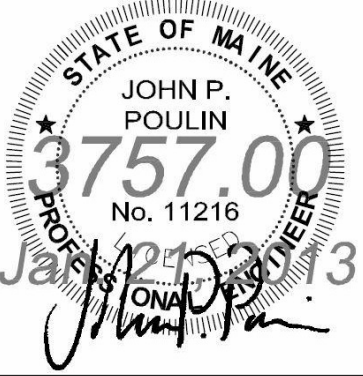
69 SECTION
1 1/2" = 1'-0"



71 SECTION
1 1/2" = 1'-0"

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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE

STEEL ROOF FRAMING SECTIONS AND DETAILS

WBRC CAD FILE: C:\Users\jwp\Documents\375700 - CCCC Structure_dethlefs.dwg	GRAPHIC SCALE: 1" = 1'-0"
PROJECT No. 3757.00	SHEET No. S5.04
SCALE: 1 1/2" = 1'-0"	
PROJECT MANAGER: JRB	
DRAWN BY: ADB	
CHECKED BY: JPP	

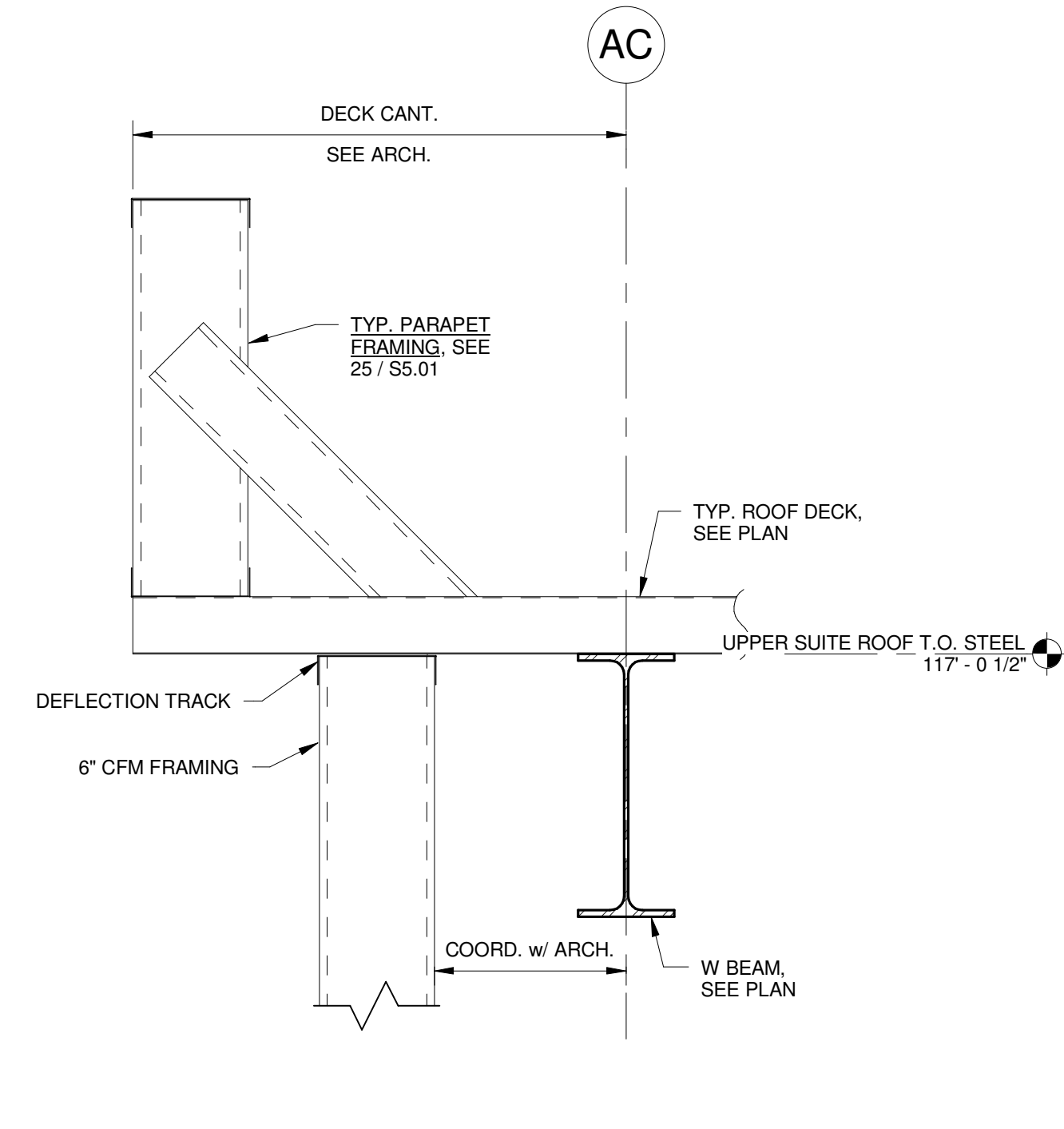
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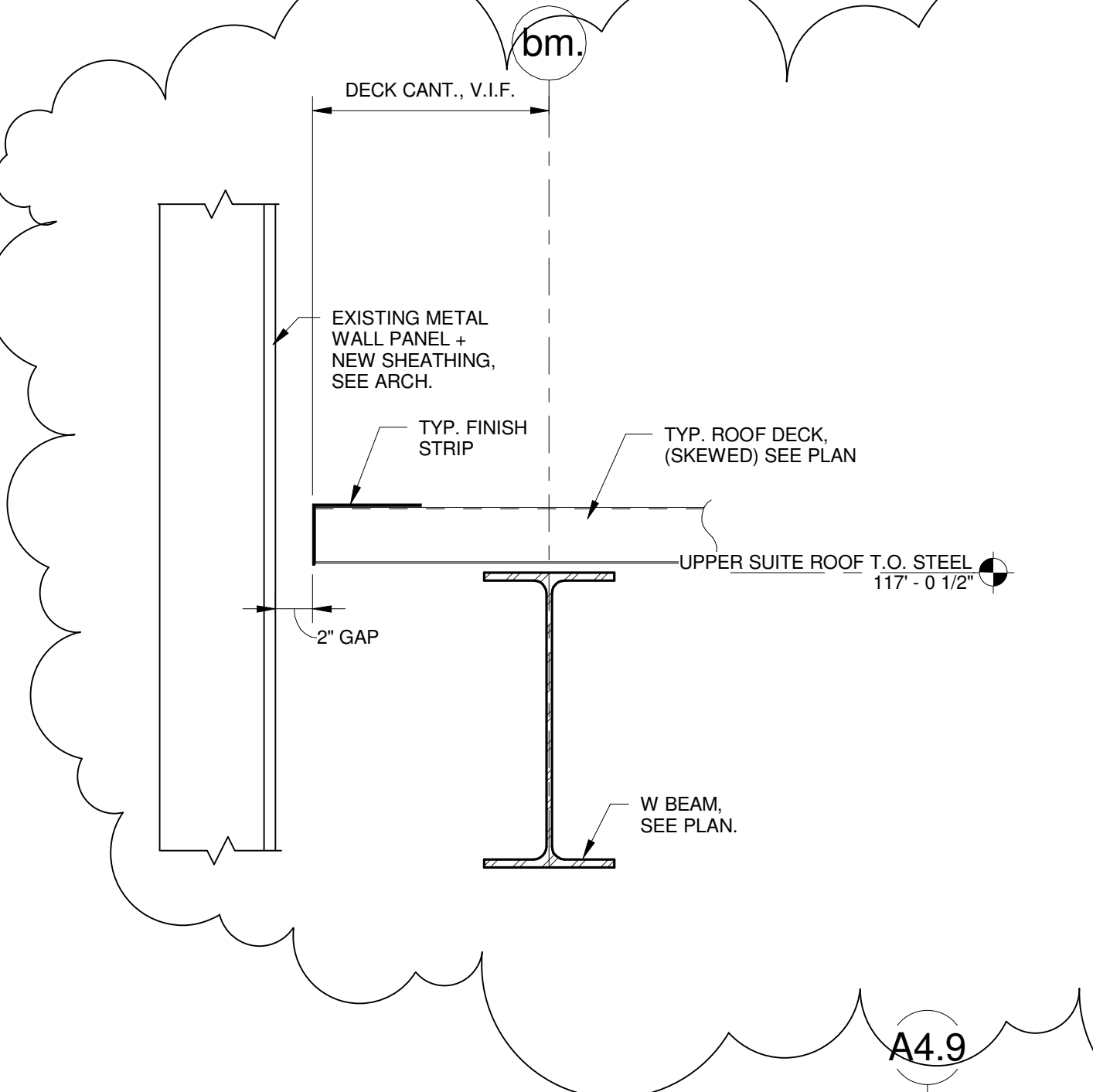
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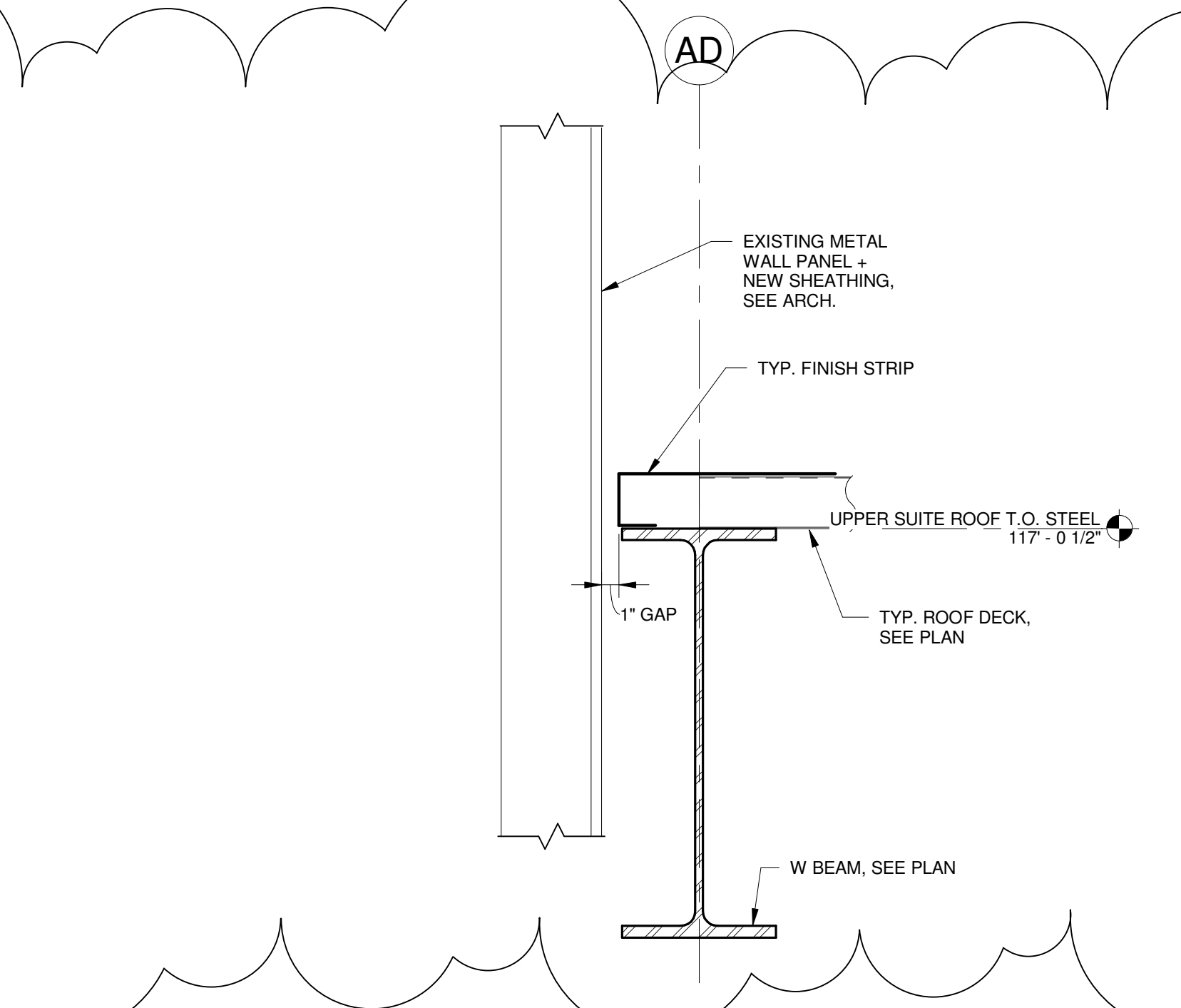
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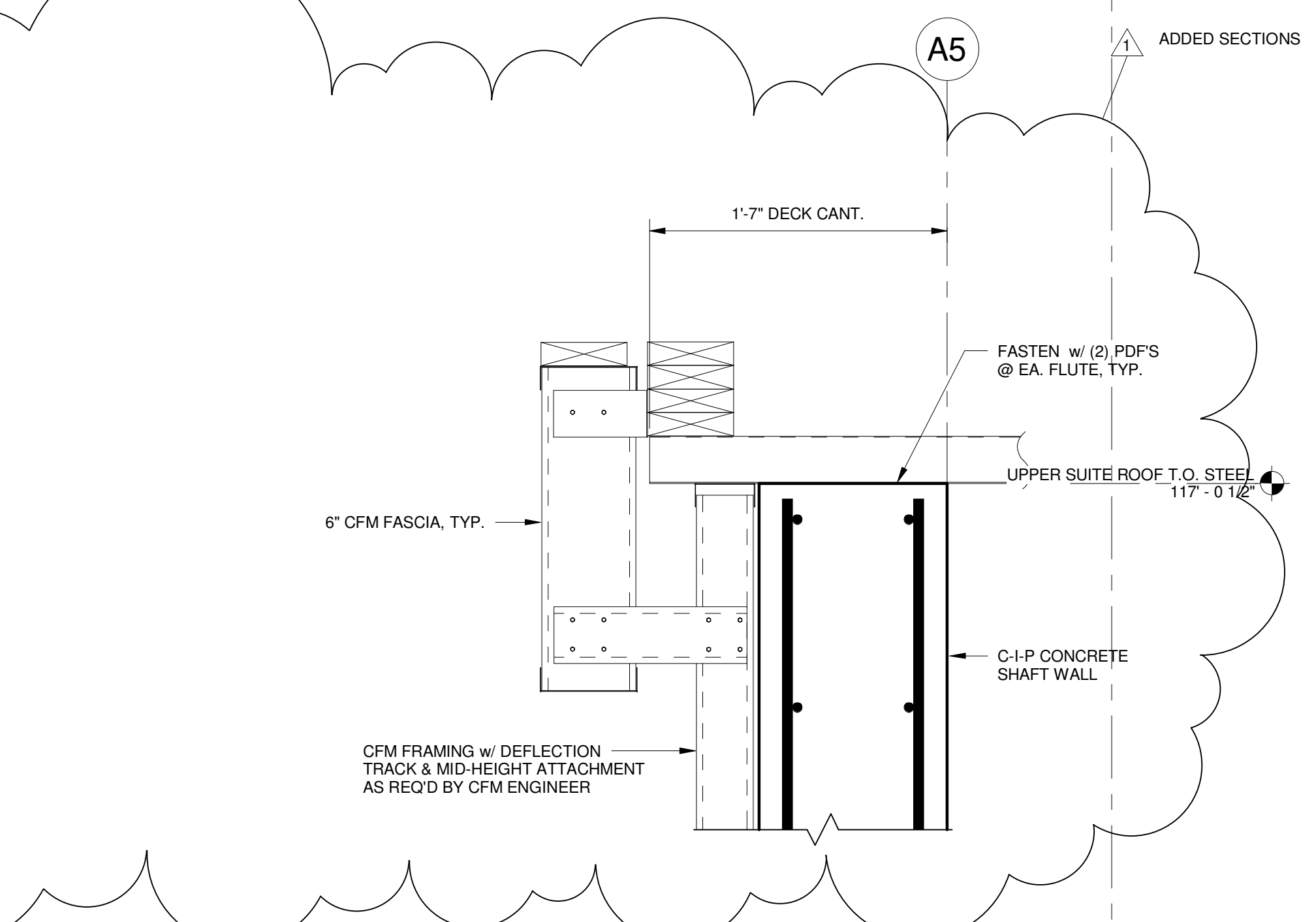
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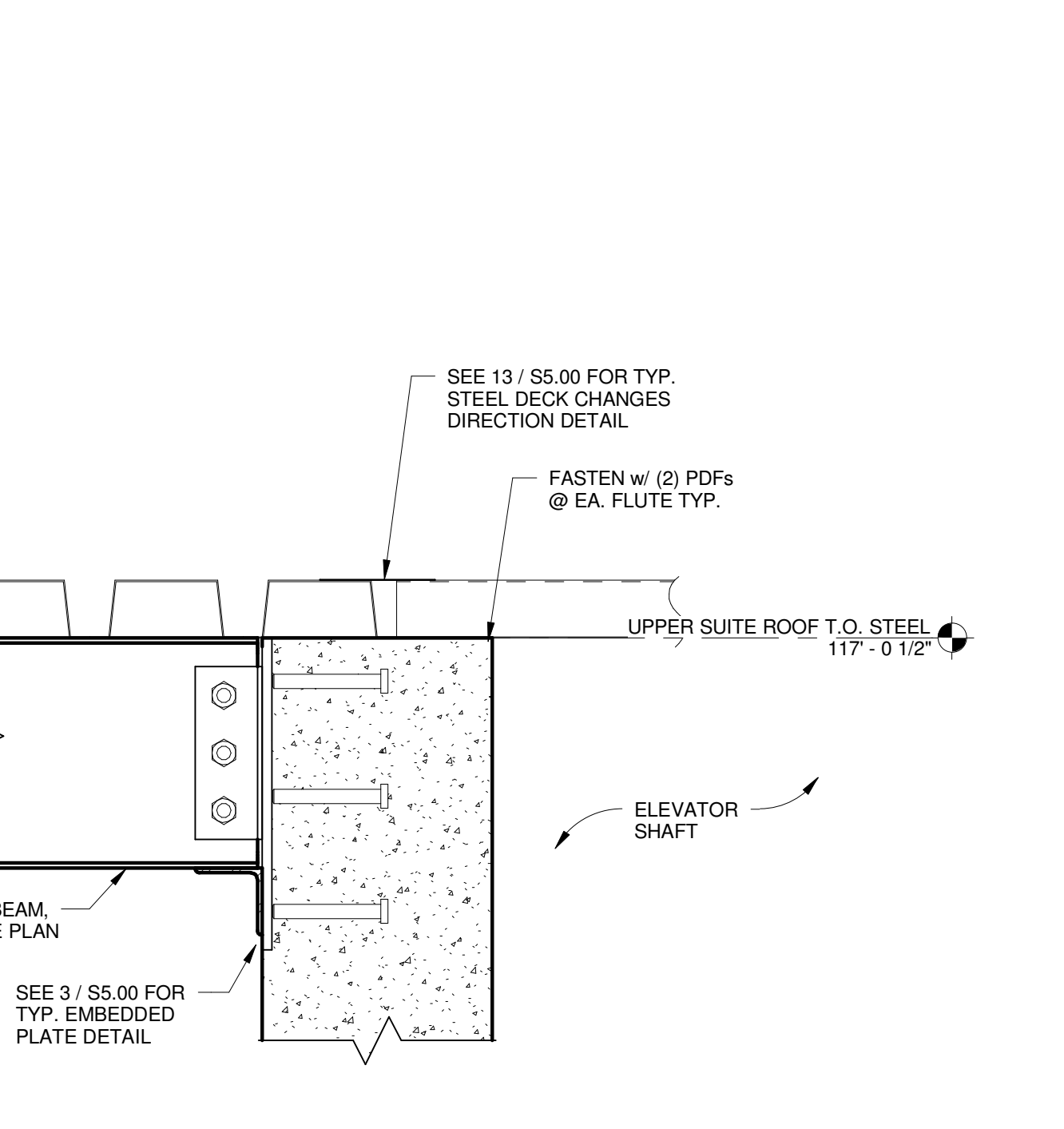
102 SECTION
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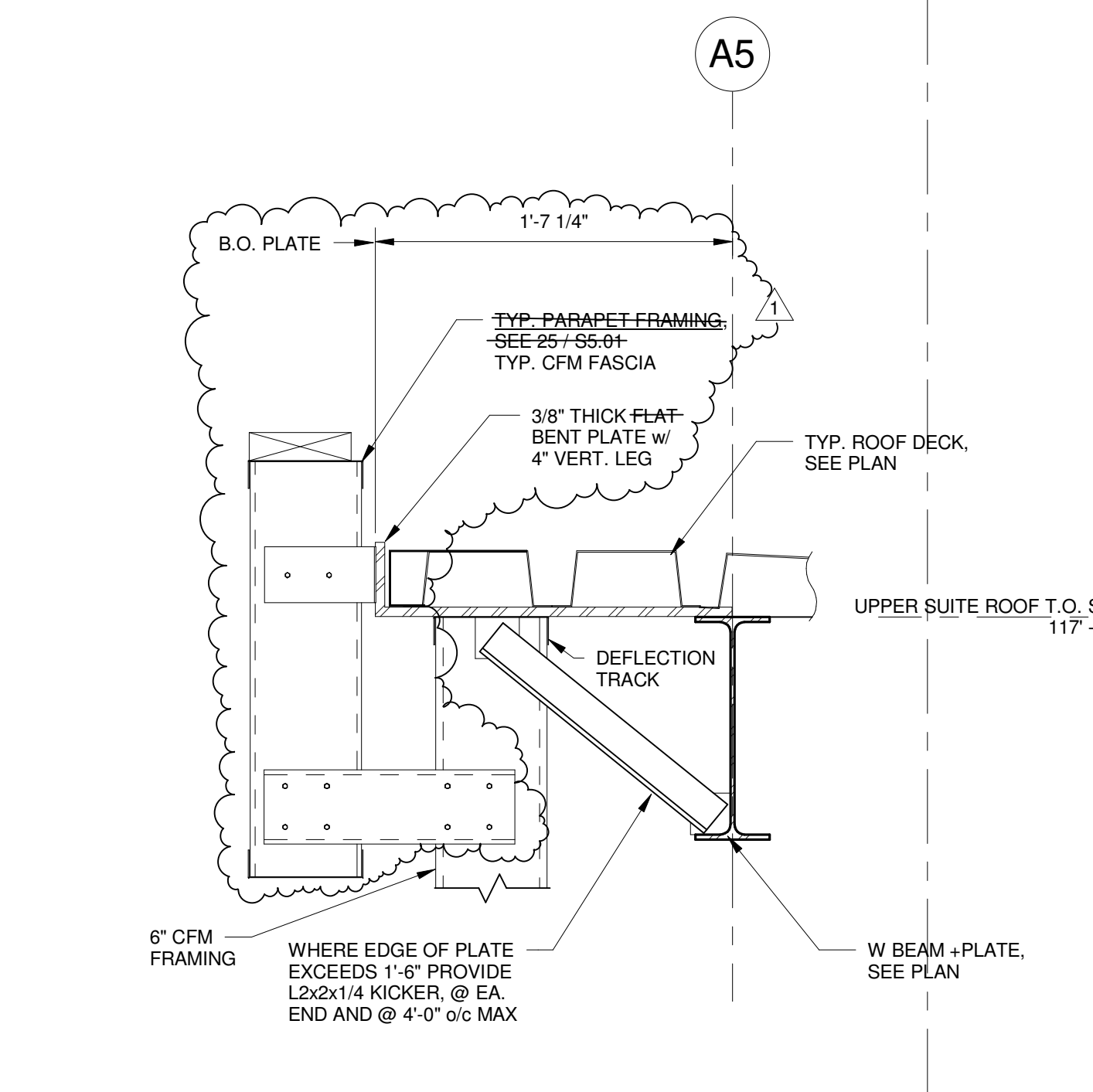
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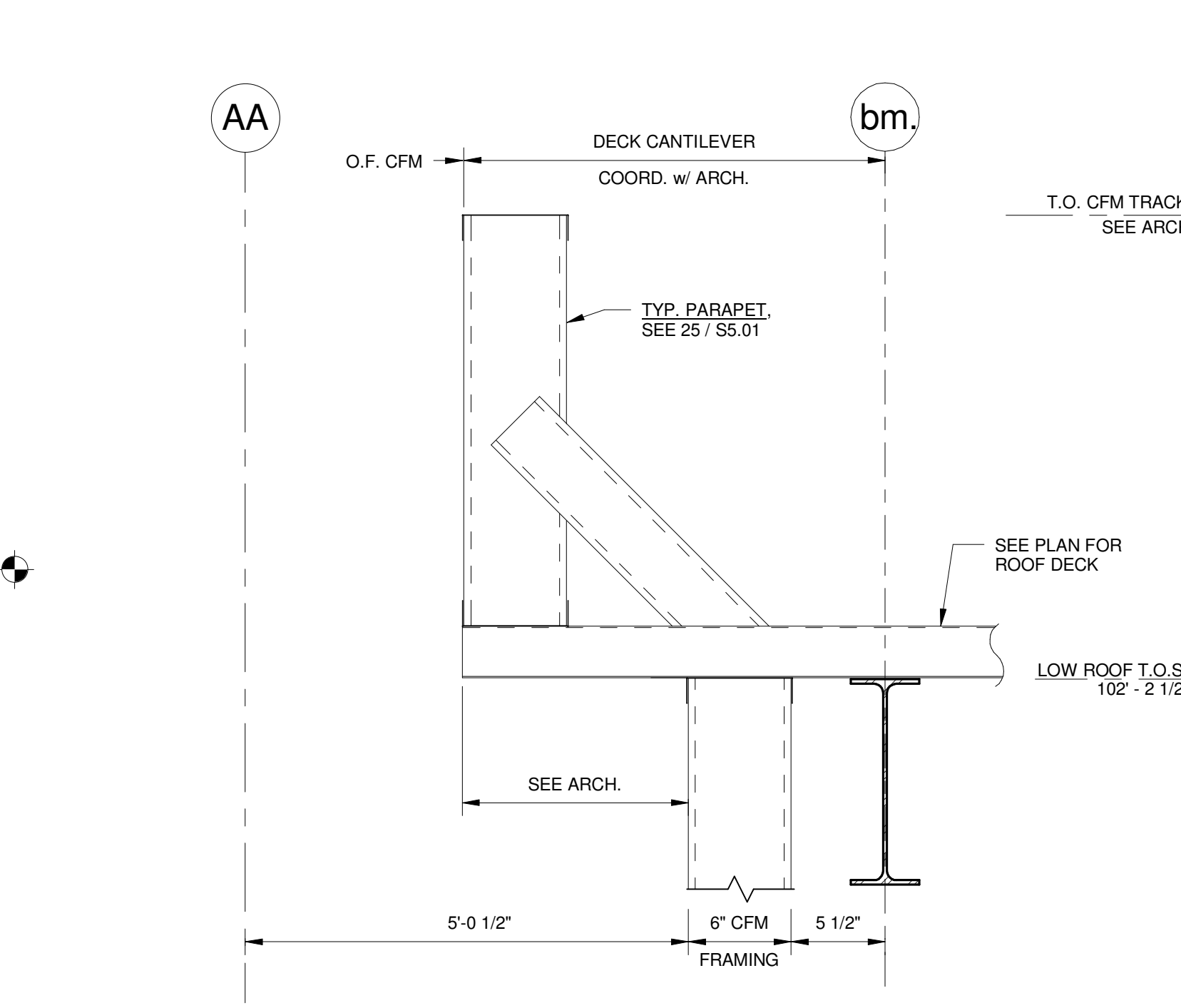
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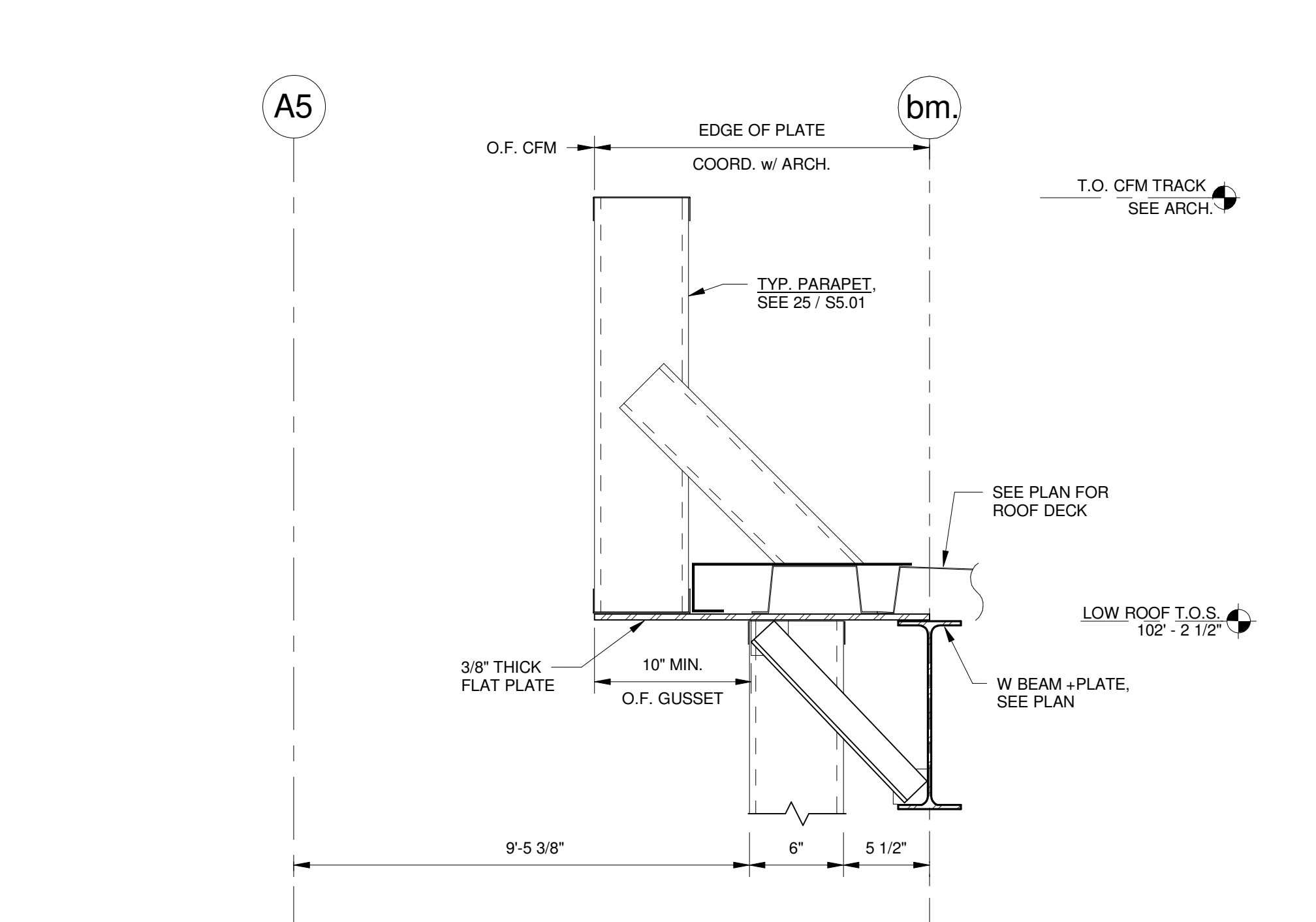
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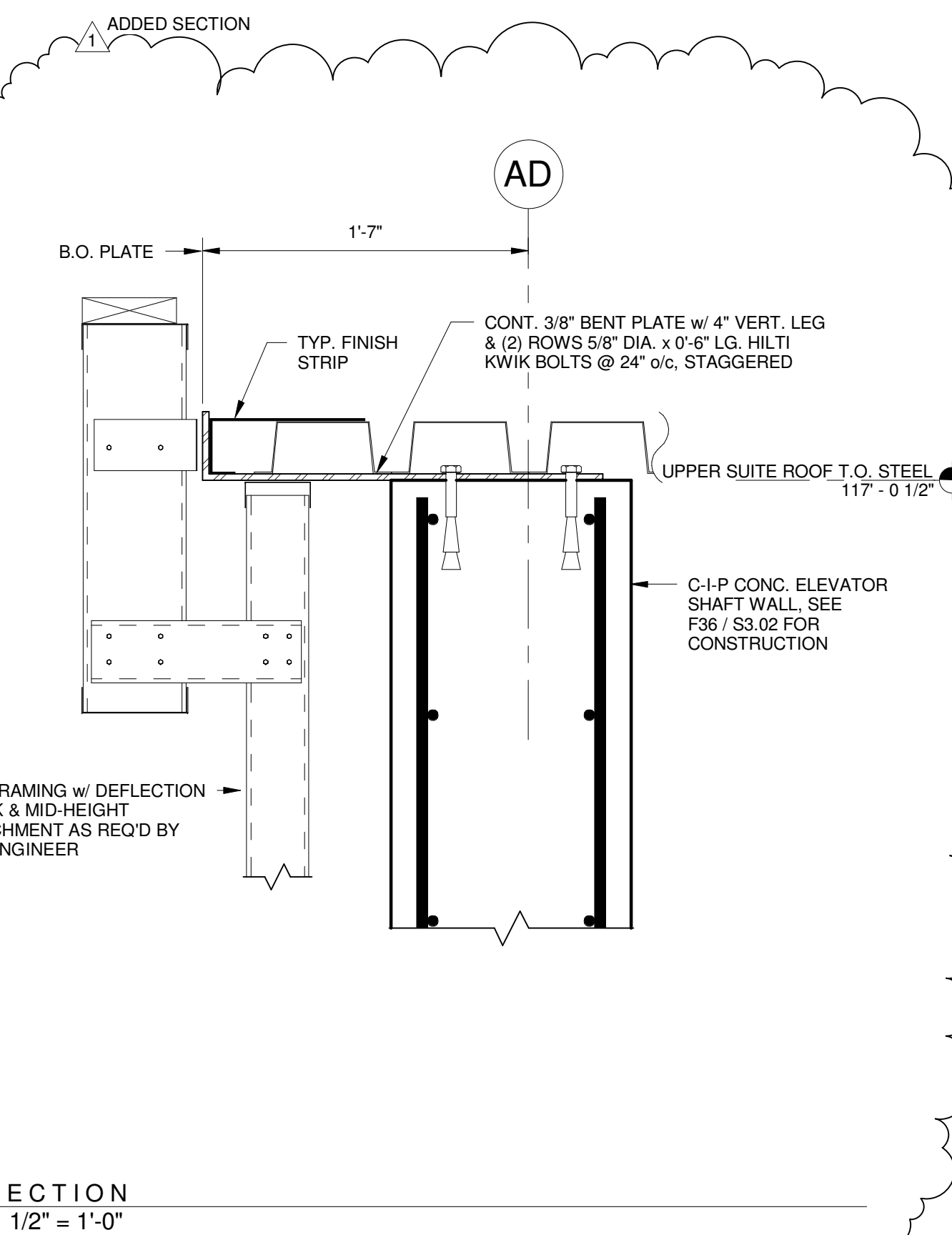
107 SECTION
1 1/2" = 1'-0"



108 SECTION
1 1/2" = 1'-0"



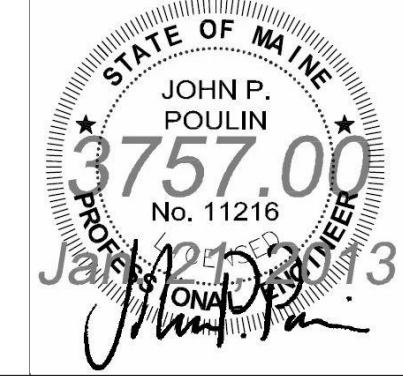
109 SECTION
1 1/2" = 1'-0"



111 SECTION
1 1/2" = 1'-0"

3	CONSTRUCTION DOCUMENTS	01-21-2013
2	NW ENTRY CONSTRUCTION DOCS	10-31-2012
1	ADDENDUM #2	09-21-2012
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PROJECT: PORTLAND, MAINE

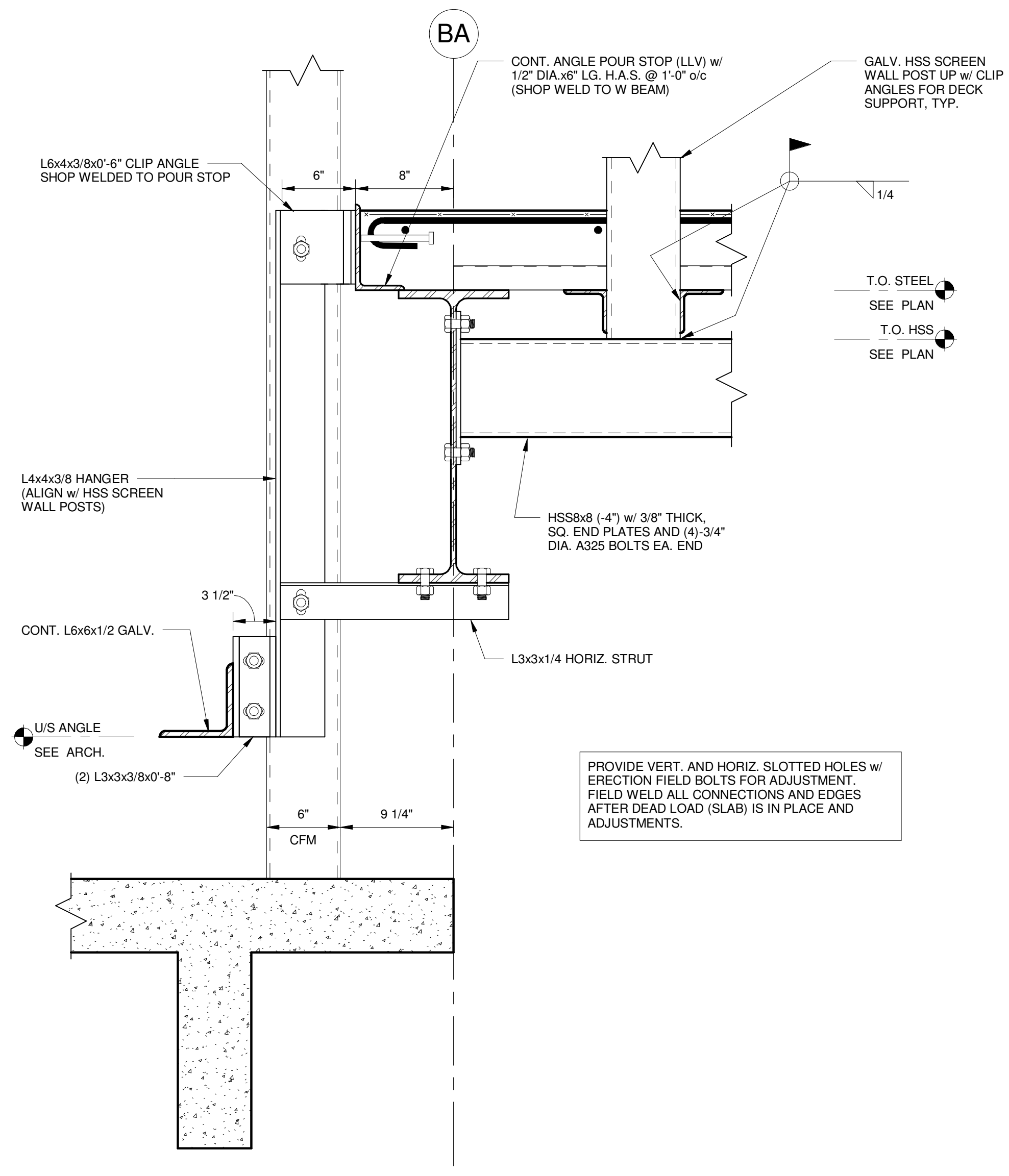
STEEL ROOF FRAMING SECTIONS AND DETAILS

PROJECT No.	3757.00	GRAPHIC SCALE	1" = 1'-0"
SCALE	1 1/2" = 1'-0"		
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DRAWN BY	ADB		
CHECKED BY	JPP		

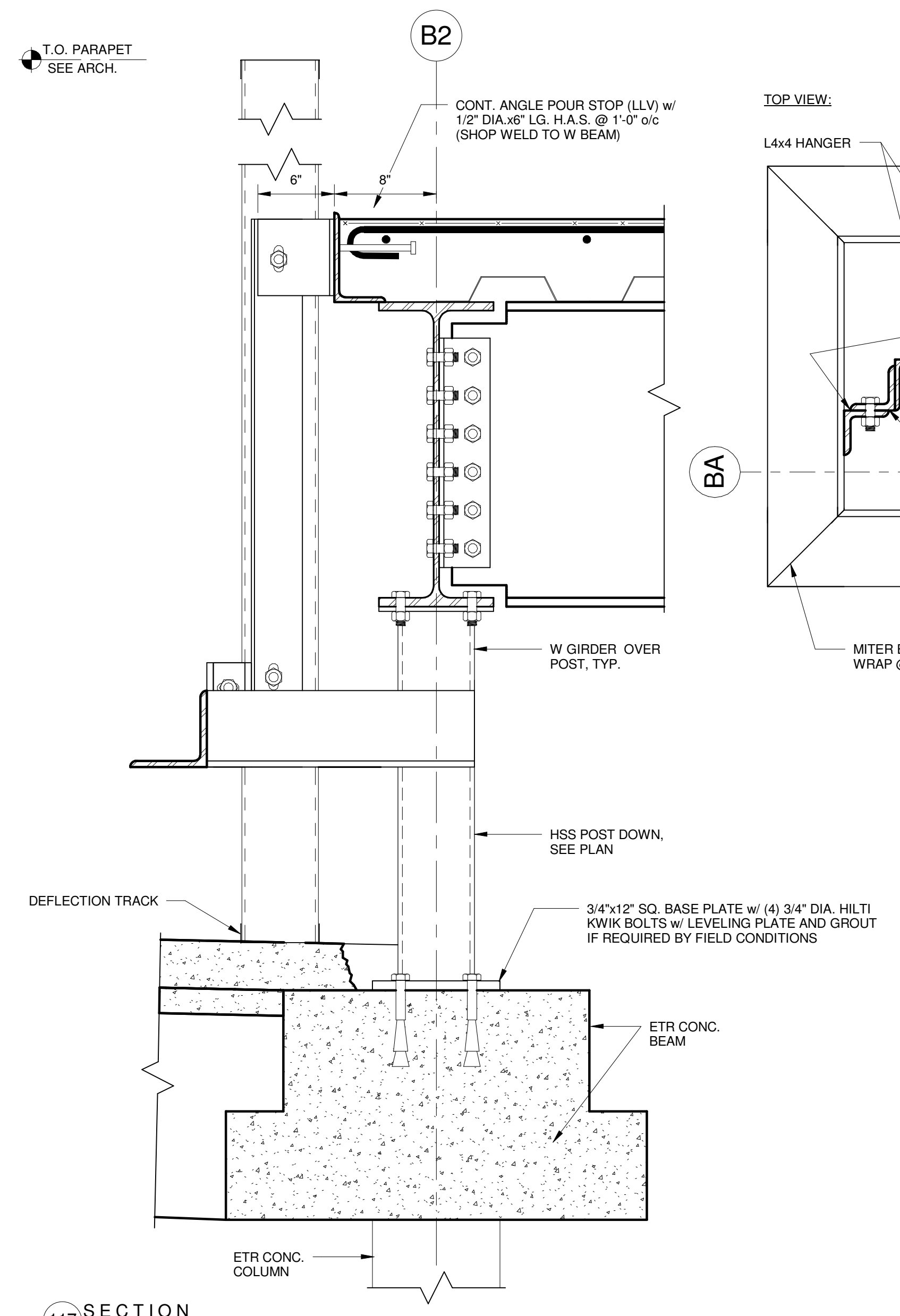
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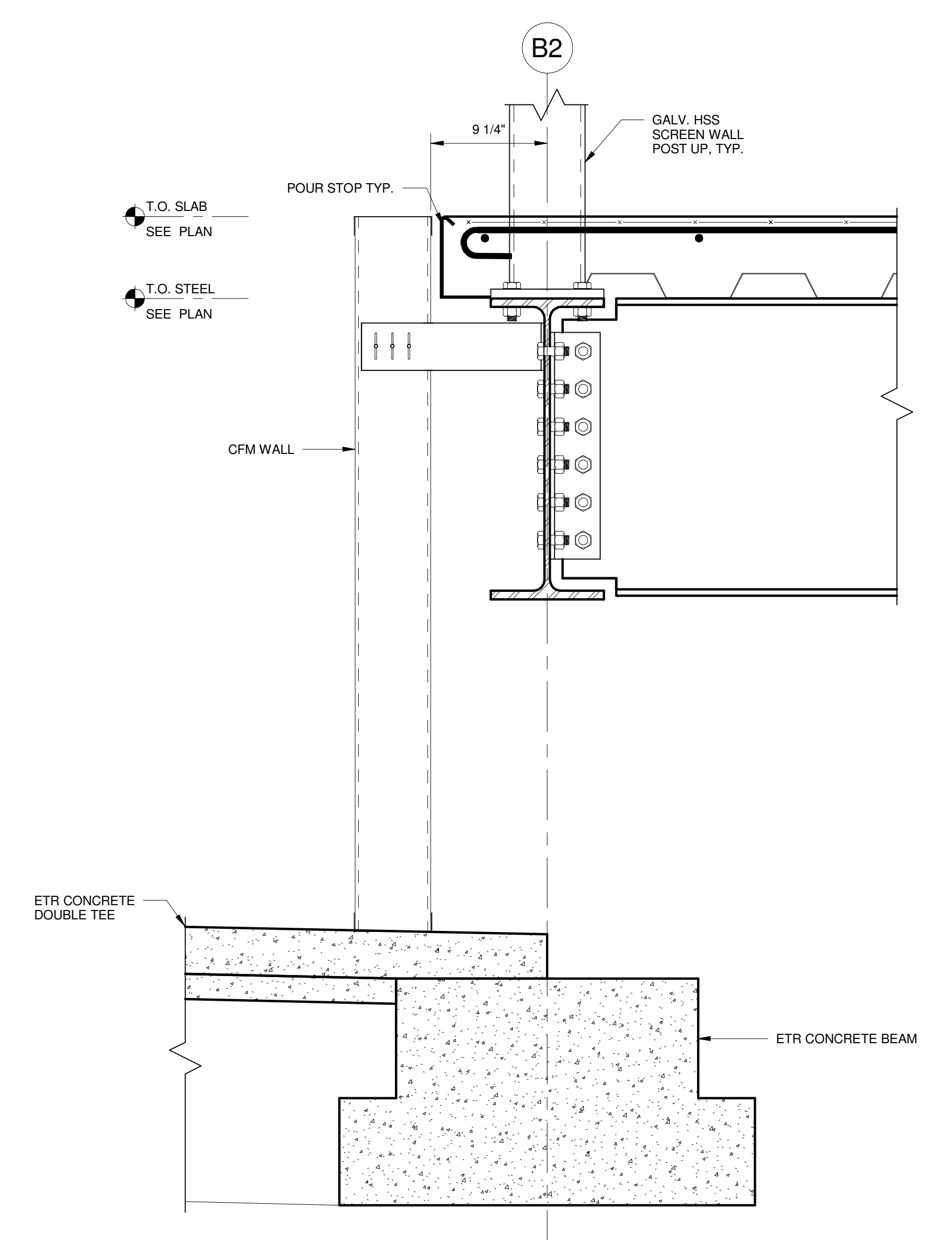
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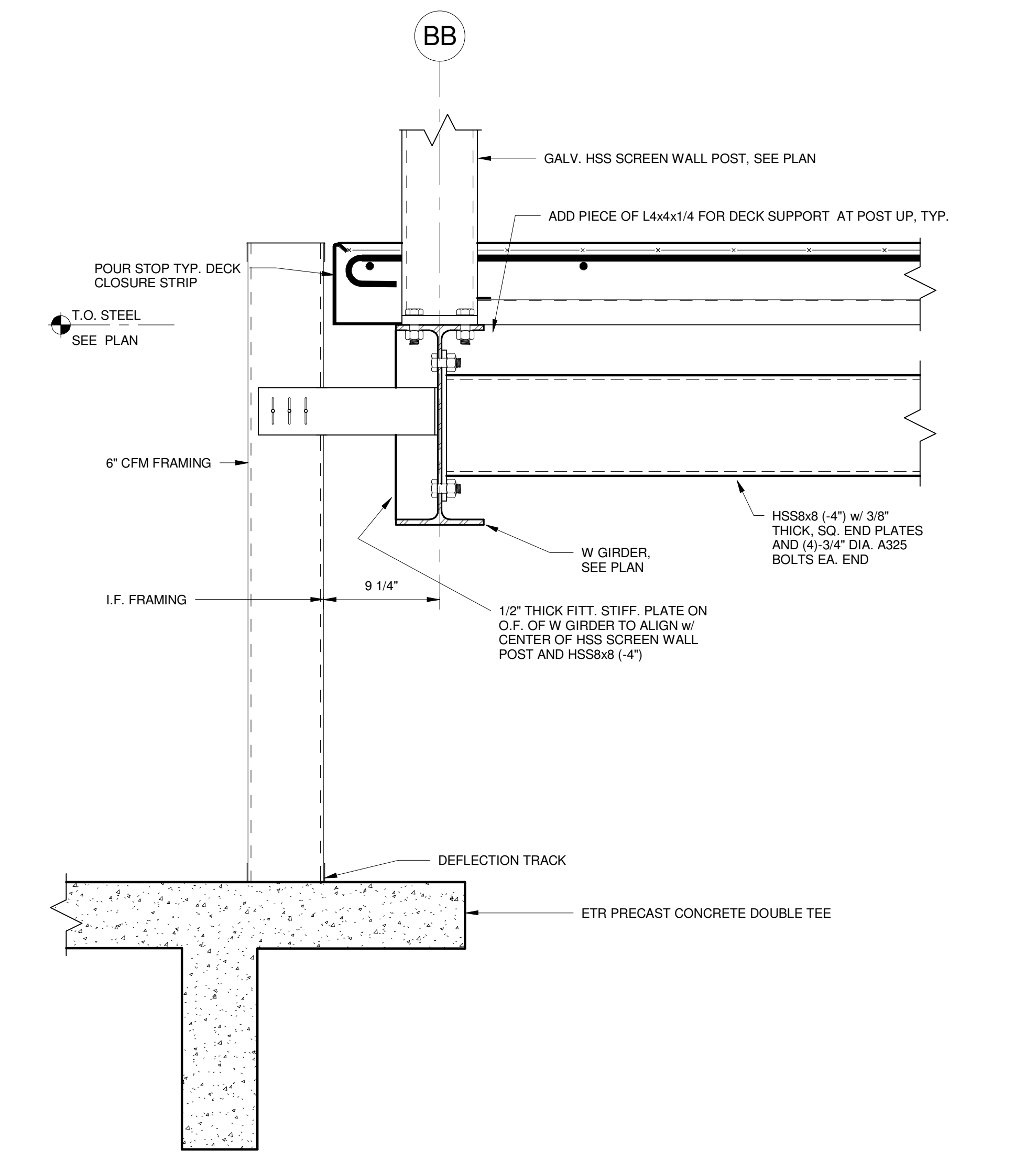
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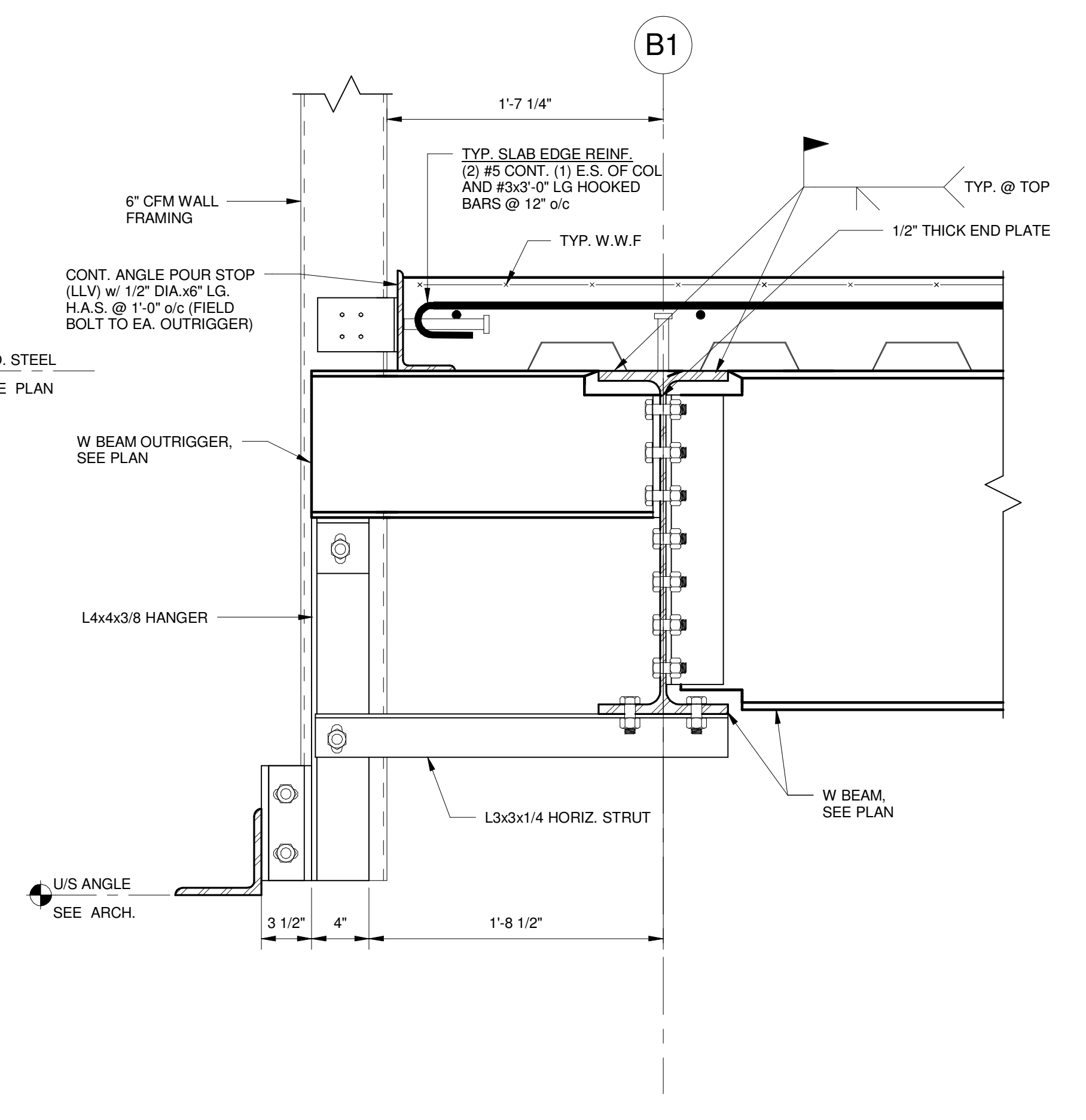
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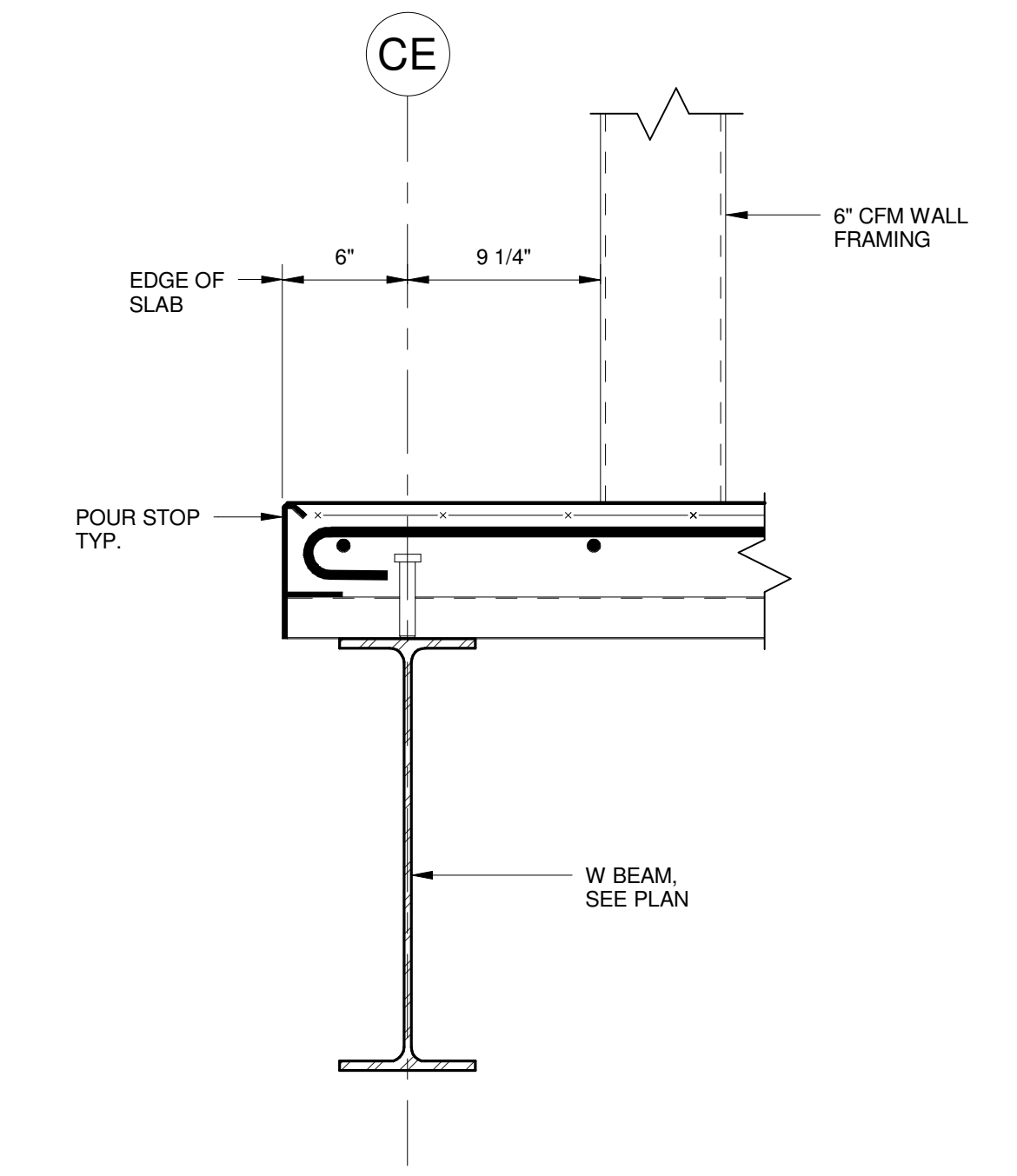
118 SECTION
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121 SECTION
1 1/2" = 1'-0"



122 SECTION
1 1/2" = 1'-0"



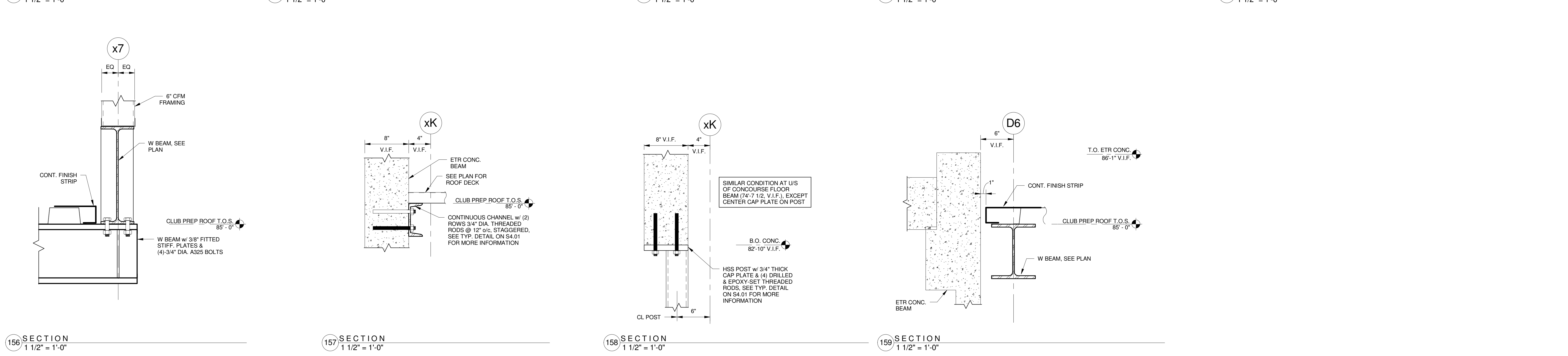
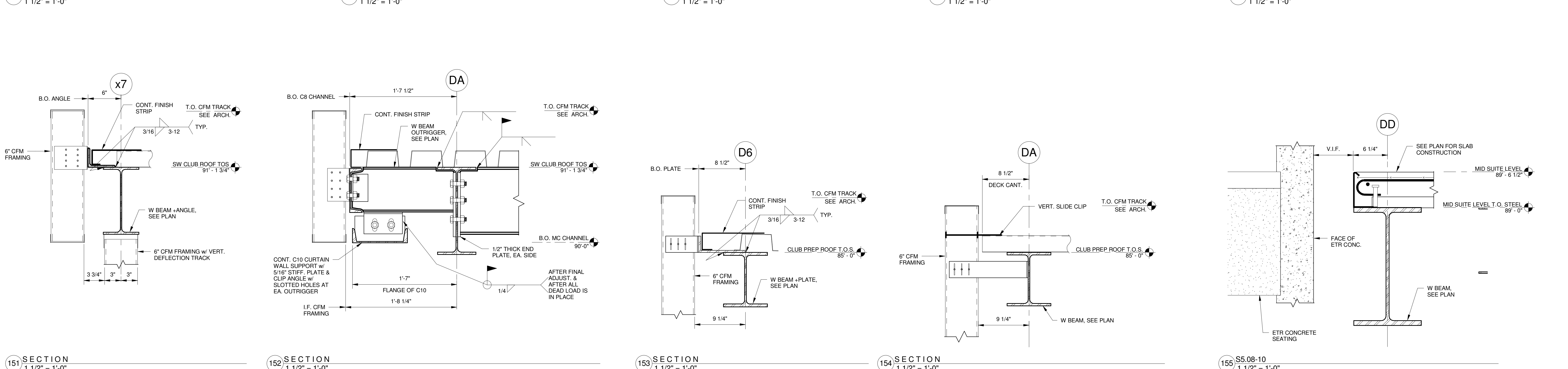
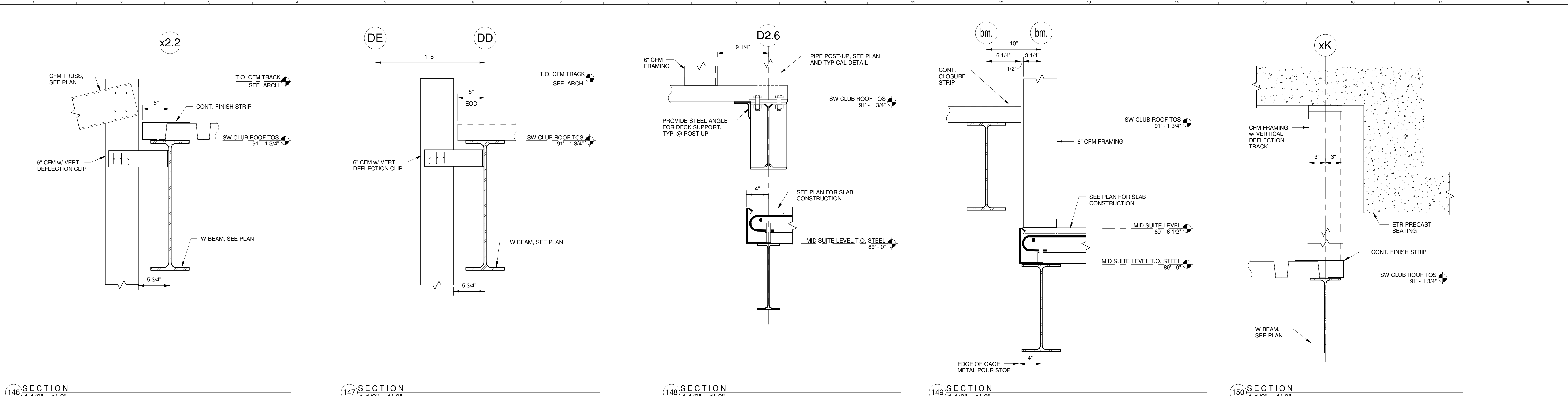
123 SECTION
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0	CONSTRUCTION DOCUMENTS	01-21-2013
CONSTRUCTION DOCUMENTS		
01-21-2013		
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION PROJECT: PORTLAND, MAINE STEEL ROOF FRAMING SECTIONS AND DETAILS		
SHEET TITLE		
WBRC CAD FILE: C:\Users\jandj\peller\Documents\37570 - CCCO Structure_dwg\peller.rvt		
PROJECT No.	3757.00	GRAPHIC SCALE: 1" = 1'-0"
SCALE	1 1/2" = 1'-0"	
PROJECT MANAGER	JRB	SHEET No.
DRAWN BY	ADB	S5.06
CHECKED BY	JPP	

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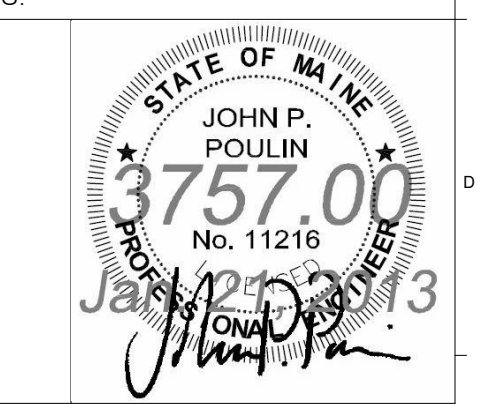
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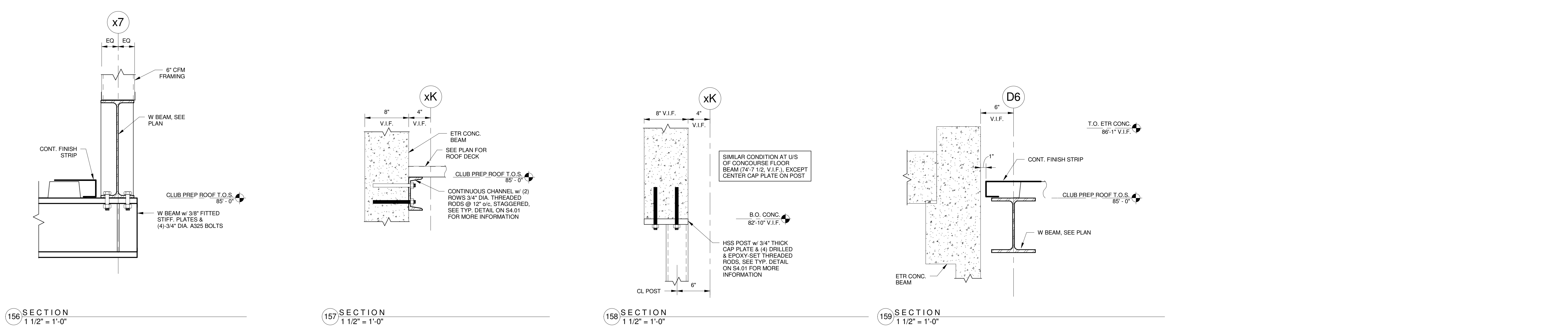
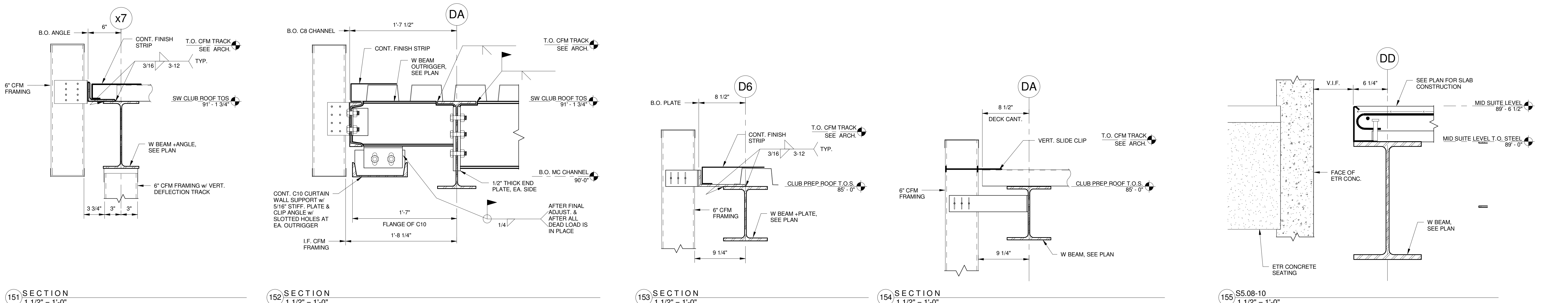
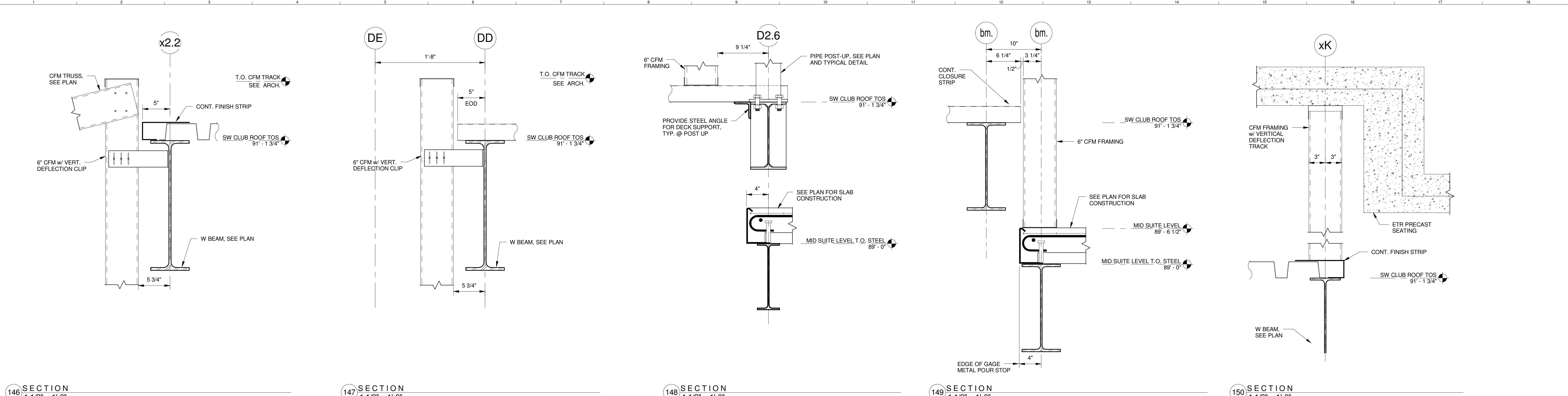
CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE
STEEL ROOF FRAMING SECTIONS AND DETAILS

PROJECT No.	3757.00	GRAPHIC SCALE	0'	1'
SCALE	1 1/2" = 1'-0"			
PROJECT MANAGER	JRB	SHEET No.	S5.08	
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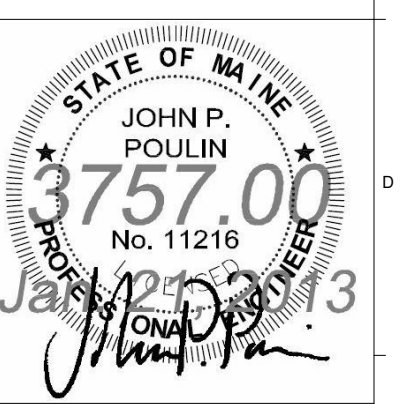
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CUMBERLAND COUNTY CIVIC CENTER RENOVATION
PROJECT: PORTLAND, MAINE
STEEL ROOF FRAMING SECTIONS AND DETAILS

PROJECT No.	3757.00	GRAPHIC SCALE	0'	1'
SCALE	1 1/2" = 1'-0"			
PROJECT MANAGER	JRB	SHEET No.	S5.08	
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CHECKED BY	JPP			

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