

ADDENDUM NO. 01

DATE: December 4, 2023

PROJECT NAME: DENTAL SCHOOL LOUNGE RENOVATION

CLIENT: UNIVERSITY OF COLORADO
ANSCHUTZ MEDICAL CAMPUS
CAMPUS SERVICES
1945 N WHEELING STREET
AURORA, COLORADO 80045

ARCHITECT: G SQUARED DESIGN
10920 W ALAMEDA AVE, SUITE 100
LAKEWOOD, COLORADO 80226

This addendum includes the following items which are changes, clarifications, additions, and/or deletions that are hereby included as part of the contract documents. This addendum shall be acknowledged in the space provided on the bid form. Failure to do so may subject bidder to disqualification. This addendum forms a part of the Contract Documents and modifies the original documents dated November 3, 2023. The date of the receipt of bids is unchanged by this addendum unless specifically directed by the Owner.

GENERAL DESCRIPTION:

Clarifications: Attached Construction Bid RFI responses.

SPECIFICATIONS

N/A

DRAWINGS

N/A

ATTACHMENTS:

DRAWINGS:

- Clarifications: Loading dock & freight elevator locations provided by CU Anshutz
- Clarifications: Existing foundation plan (GC to verify existing conditions in field)

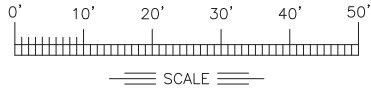
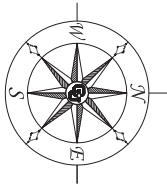
OTHER:

- Clarifications: Bid RFI's responses and project clarifications

End of ADDENDUM 01 consisting of 1 page.

project name: CU Dental School Student Lounge
project #: 2022.101
current date: 12/4/2023

item area	sheet	comment	11/27/23	responsible party	11/30/23	response
General						
RCP	A-111	A-111 RCP is showing all the gyp soffit as new, per the RCP legend, but I believe all the gyp soffit is existing and just needs painted. Please clarify.		G Squared		Flagnote #2 indicates a new soffit to align with the curved soffit to the right, above the sink. The scope is adding additional framing to align the soffits to make 1 continuous looking soffit.
		Do you have specified fire alarm contractors we need to use? If so, please specify who.		CU Anschutz		Yes, Convergent.
		Can you give more detail on the scope of work needed for fire alarm work?		G Squared		No anticipated work for fire alarm work.
		Do you have specified fire suppression contractors we need to use? If so, please specify who.		CU Anschutz		Yes, Convergent.
		Provide more detail on the scope of work need for fire suppression work.		G Squared		No anticipated work for fire alarm work.
		Are you open to an alternate on the countertop of a quartz material? We were provided feedback from an interested countertop subcontractor that the concrete collaborative product is susceptible to staining and not as durable as a quartz.		G Squared		Yes we are open to specifying a quartz material instead of Concrete Collaborative.
		The advertisement for bids Rev dated 7/2022, published on 11/17/2023, conflicts with the Project Manual section 001100 - advertisement for bids rev 1/2017. Can you confirm that the Rev dated 7/2022 is the one we should be referring to?		G Squared		Advertisement for bids rev dated 7/2022 should be referenced.
		Please identify the composition of the existing concrete floor system. What is the thickness of the existing concrete and pea gravel and is there a vapor barrier?		G Squared		Please reference Attachment #3 for the existing foundation plan (GC to verify existing conditions in field).
		Please clarify the requirements for patching and pour-back of the concrete floor.		G Squared		Please refer to spec section 033000 for Cast-in-Place concrete requirements.
		It was mentioned during the pre-bid site walk that the lounge and locker areas will remain open to the students. Will this require any overtime or shift work?		CU Anschutz		No this will not require overtime.
		Outlet locations indicated on CMU walls. Will the walls be framed out to allow for in wall rough or will we be permitted for surface mount conduit and boxes.		CU Anschutz		Running the new power through the CMU block is preferred.
		Shall MC cable be used for wall rough in and to cut in new outlet locations on a finished wall?		Innovative Electrical Systems, Inc.		Please refer to spec section 260533 which has the buildings standards for raceways. MC cable is allowed it just cant be used for homeruns. Home runs shall be EMT.
		How will the space be broken up to allow for use by students and be under construction?		CU Anschutz		We would like to keep a small area of the lounge open at all times, by separating construction of the room.
		Will there be a designated laydown area for a small job box for the duration of the project?		CU Anschutz		Yes, space for a roll off and a cargo container will be provided.
		Is there a locked storage area (i.e., mechanical room, electrical room) for carts, tools, and material available to the EC for the duration of the project?		CU Anschutz		The winning bidder will have to submit a proposal for a roll off and a cargo container to store construction supplies.
		Will badging and back ground checks be required to access the project site and relevant areas?		CU Anschutz		There is an application process for contractors. Once the bid is awarded, the PM will send out the appropriate links for the application.
		Is this a Prevailing Wage project?		CU Anschutz		No
		Will there be any modifications to the Fire Alarm System?		G Squared		No
		Is there Parking available?		CU Anschutz		Paid parking is available on campus.
		Is Temporary power needed for the project?		G Squared		No
		What is the current manufacturer of the Electrical Panels?		G Squared		GE
		Is overtime or shift work required?		CU Anschutz		No
		Is third Party testing required?		CU Anschutz		No
		Will there be any refinishing (sand and stain) of the locker room benches? If so, please provide material and installation requirements.		G Squared		No the lockers and benches are to remain as is.
		Will there be any patching and repair of the existing corridor tile flooring in the areas where mailboxes will be removed? If so, please provide material and installation requirements.		G Squared		No patching or repair is anticipated.
Demolition	AD-101	Please provide soffit and framing details for flag note 6 plan sheet AD-101.		G Squared		Flagnote #6 on sheet AD-101 states "Remove (E) mailboxes at this location. (E) Rated fire partition at corridor to be protected in place." The existing soffit conditions at the mailboxes are to remain.
		Where is the location of the loading dock for access?		CU Anschutz		Please reference Attachment #1 & 2 for plans provided by CU Anschutz for loading dock and freight elevator access.



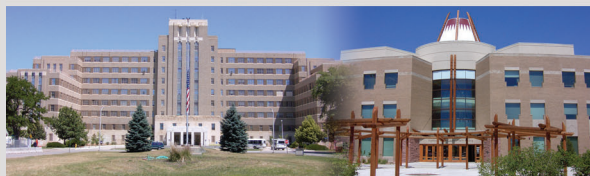
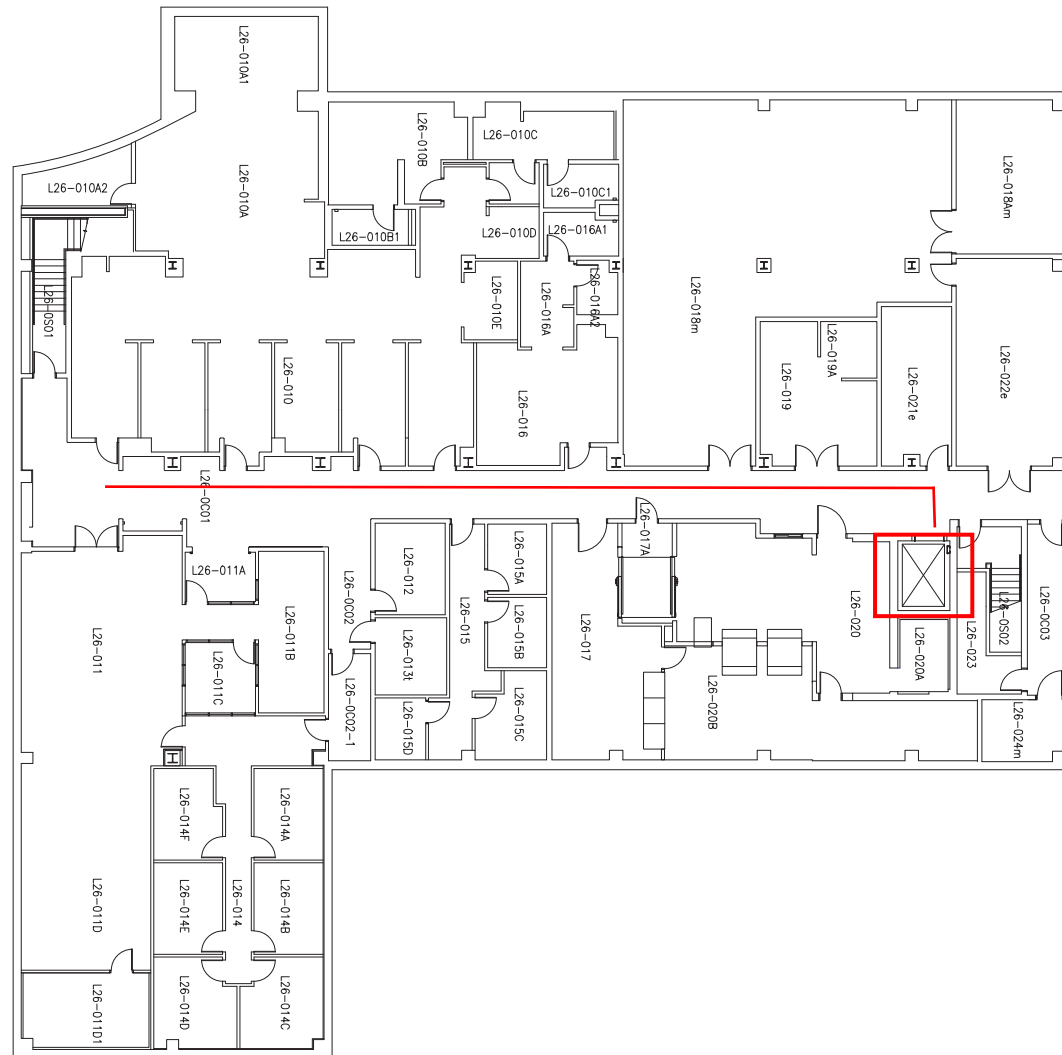
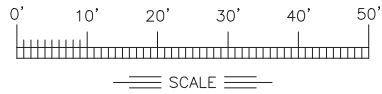
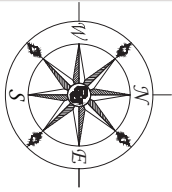
First Floor Loading Dock- North West Corner of Building



School of Dental Medicine (L26) First Floor

University of Colorado Anschutz Medical Campus
Planning & Design





School of Dental Medicine (L26) Basement

University of Colorado Anschutz Medical Campus
Planning & Design



PROJECT:	LAZZARA ORAL HEALTH UCHHS
PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK
DESIGNED BY:	LOH-SIO.Ang
EDITED BY:	BRENT LEU
DRAWN BY:	regmrd
	Wed, 08 Dec 2006 - 3:59pm

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LAZZARA CENTER FOR ORAL & FACIAL HEALTH

UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER SCHOOL OF DENTISTRY- FITZSIMONS CAMPUS

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IN ASSOCIATION WITH
Bohlin Cywinski Jackson
ARCHITECTURE PLANNING INTERIOR DESIGN

STRUCTURAL ENGINEER:
Martin Martin
MECHANICAL/ELECTRICAL ENGINEER:
Cator, Ruma & Assoc.
CIVIL ENGINEER:
S.A. Miro, Inc.
LANDSCAPE ARCHITECT:
Insite Design

OWNER APPROVAL:

OWNER SIGNATUREDATE

DRAWN BY:T.LACK

CHECKED BY:P.DOAK

FILE TITLE:

REVISIONS:

ADDENDUM 004

04/28/04

RECORD DRAWINGS

12/04/06

DRAWING TITLE:

GENERAL NOTES

DATE:06.21.04

PHASE:100% CD

JOB NUMBER:0302

DRAWING NUMBER:

S1.0

100% CD SET

GENERAL NOTES

DESIGN CRITERIA

1. CODES AND STANDARDS USED IN DESIGN:

- A. UNIFORM BUILDING CODE 1997.

B. CONCRETE DESIGN:
 - ACI 301-96 ACI 301-99 "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS."
 - ACI 318-95 ACI 318-99 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."

C. STEEL: AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ALLOWABLE STRESS DESIGN" JUNE 1, 1989.

2. SEISMIC LOADS PER UBC 1997
 - SEISMIC ZONE FACTOR, Z0.075
 - SOIL PROFILE TYPE, S0
 - OCCUPANCY CATEGORY, 3
 - SEISMIC IMPORTANCE FACTOR, I1.0
 - BASIC STRUCTURAL SYSTEM, BUILDING FRAME SYSTEM WITH CONCRETE SHEAR WALLS
 - R, 5.5
 - SEISMIC FORCE AMPLIFICATION FACTOR, C02.8

3. WIND LOADS PER UBC 1997
 - OCCUPANCY CATEGORY, 3
 - WIND IMPORTANCE FACTOR, I1.0
 - BASIC WIND SPEED (FASTEST-MILE WIND SPEED), 85 MPH
 - EXPOSURE CATEGORY, B

4. LATERAL LOAD RESISTING SYSTEM DESCRIPTION: BUILDING FRAME SYSTEM WITH CAST-IN-PLACE CONCRETE SHEAR WALLS.

5. GRAVITY LOADS USED FOR DESIGN
 - A. REFER TO SHEETS S1.2 AND S1.3 FOR DESIGN LOAD DIAGRAMS.
 - B. SUPERIMPOSED DEAD LOAD EXCLUDES STRUCTURE SELF WEIGHT BUT INCLUDES THE WEIGHT OF ALL OTHER PERMANENT MATERIALS SUCH AS CEILINGS, MEP, FINISHES, ROOFING, ETC.
 - C. DRIFTING, SLIDING AND UNBALANCED SNOW CALCULATED IN ACCORDANCE WITH UBC 1997 APPENDIX CHAPTER 16
 - SNOW LOAD OCCUPANCY CATEGORY, 4
 - SNOW LOAD IMPORTANCE FACTOR, 1.0
 - GROUND SNOW LOAD, 25 PSF

1.1.6

SUBMITTALS AND SUBSTITUTIONS

- A. SUBMITTALS: REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
 - 1. IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ARCHITECT AND DESIGNED BY STRUCTURAL ENGINEER OF RECORD PRIOR TO SUBMITTING SHOP DRAWINGS. VARIATION SHALL BE INDICATED ON THE SHOP DRAWINGS. CONTRACTOR SHALL COMPENSATE MARTIN/MARTIN INC. FOR MAKING THE CHANGE.
 - 2. CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR USE IN SUBMITTALS.

B. SUBSTITUTIONS: ARCHITECTS APPROVAL SHALL BE SECURED FOR ALL SUBSTITUTIONS.

C. NONCONFORMANCE: NOTIFY ARCHITECT OF CONDITIONS NOT CONSTRUCTED PER THE CONTRACT DOCUMENTS PRIOR TO PROCEEDING WITH CORRECTIVE WORK. SUBMIT PROPOSED REPAIR TO THE ARCHITECT FOR ACCEPTANCE. CONTRACTOR SHALL COMPENSATE STRUCTURAL ENGINEER OF RECORD FOR DESIGNING THE REPAIR.

1.1.7 OSHA STANDARDS
 - THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. NOTHING SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE CONSTRUED AS ELIMINATING THE NEED FOR THE CONTRACTOR TO COMPLY WITH ALL OSHA REQUIREMENTS.
 - THE CONTRACTOR SHALL ADD ALL NECESSARY BOLTS, ANCHOR BOLTS, PLATES, STIFFENER PLATES, STABILIZER PLATES, BRIDGING, BRACING, BEARING SEATS, COLUMN SPLICES, ETC., AS WELL AS CLOSURES FOR OPENINGS. IN ADDITION, FIELD WELD ANYTHING THAT MAY BE CONSIDERED A TRIP HAZARD, SUCH AS SHEAR STUDS, AFTER PROTECTIVE DECKING IS INSTALLED.
 - WASHERS OR RINGS SHALL BE WELDED TO COLUMNS TO PROVIDE FOR SAFETY CABLES. DO NOT PLACE HOLES IN COLUMNS WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. ADJUST LOCATIONS OR ADD COLUMN SPLICES AS NECESSARY TO COMPLY WITH OSHA REQUIREMENTS. SUBMIT PROPOSED LOCATIONS TO THE STRUCTURAL ENGINEER FOR REVIEW. ALL JOISTS REQUIRED BY OSHA TO BE BOLTED SHALL HAVE ERECTION BOLTS INSTALLED REGARDLESS OF FINAL CONNECTION SHOWN ON THE STRUCTURAL DRAWINGS.
 - WHERE THE STRUCTURAL DRAWINGS APPEAR TO CONFLICT WITH OSHA REQUIREMENTS, THE STRUCTURAL DRAWINGS REPRESENT FINAL CONDITIONS ONLY; THE CONTRACTOR SHALL ADD ALL ERECTION FRAMING AS MAY BE NECESSARY TO COMPLY WITH OSHA.

1.3.2

SPECIAL INSPECTION

- SPECIAL INSPECTION SHALL BE PROVIDED PER UBC 1997 SECTION 106 AND CHAPTER 17. THE LIST BELOW IS A SUMMARY OF REQUIRED TESTS; REFER TO THE SPECIFICATIONS FOR DETAILED TESTING REQUIREMENTS.

SOILS:
 - SUBGRADE AND FILL BENEATH FOOTINGS AND SLABS ON GRADE AND WALL BACKFILL

CONCRETE:
 - STRUCTURAL CONCRETE
 - INSTALLATION OF EMBEDDED BOLTS AND PLATES SUPPORTING STRUCTURE
 - REINFORCING STEEL PLACEMENT
 - FIELD BENDING OF REINFORCING STEEL
 - REINFORCING COUPLERS
 - ANCHORED REBAR INTO CONCRETE
 - WELDING OF REINFORCING

STRUCTURAL STEEL:
 - SHOP AND FIELD WELDING
 - FLOOR AND ROOF DECK WELDING
 - HOAS IN COMPOSITE FLOOR SYSTEMS
 - SHOP INSURED AS ELIMINATING THE NEED FOR FIELD WELDING
 - COLD FORMED STRUCTURAL STEEL
 - STAIRS AND RAILING SYSTEMS
 - DAS AND REINFORCING STEEL WELDS
 - HIGH STRENGTH BOLTING
 - TESTING OF PLATES FOR DELAMINATIONS AND INCLUSIONS

MASONRY:
 - PRECONSTRUCTION TESTING
 - PRISM PREPARATION
 - MASONRY UNIT PLACEMENT
 - REINFORCING PLACEMENT
 - GROUT SPACE INSPECTION AND CLEANOUTS
 - EMBEDDED PLATES AND ANCHORS
 - GROUT AND MORTAR MIXING
 - GROUTING

1.3.3 DEFERRED SUBMITTALS: THE FOLLOWING PORTIONS OF THE STRUCTURAL DESIGN WILL NOT BE SUBMITTED AT THE TIME OF PERMIT APPLICATION. WHEN RECEIVED AND REVIEWED, THESE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL BY THE CONTRACTOR:
 - A. METAL STAIRS.
 - B. CURTAIN WALL AND/OR METAL STUDS.
 - C. STRUCTURAL ALUMINUM CANOPY & TRUSSES.

3.2.2

STRUCTURAL CONCRETE MIX REQUIREMENTS

TYPE	Intended Use	28 Day Strength f'c (ksi)	Concr. Type	Lightweight (LW) Normal Weight (NW) (Including Fly Ash)	Min. Com. Modulus (E) (ksi)	Max. Aggr. (in) (in) (by S&S)	Slump Limits (in) (+0/-2)	Tot Air Limits (%)	Cement Type	Req'd Admixtures (3)	Other Reqs (4)
1	Footings	4	NW	0.50	517	1	4		I or II	AE	
2	Grade Beams, Tie Beams & Basement Walls	4	NW	0.50	517	3/4	4		I or II	AE	
3	Core Walls	5	NW	0.50	564	3/4	6	--	I or II	MRWRA	
4	Loading Dock	5	NW	0.40	564	3/4	4	6	I or II	AE,NRA	
6	Slabs on Metal Deck	3.5	NW	0.50	517	3/4	4	N	I		
7A	Interior Topping Slabs	5	NW	0.50	564	3/4	4	N	I	WRA	
7B	Topping Slabs Exposed to Weather	5	NW	0.40	564	3/4	4	6	I	AE,WRA	
8	Interior Slab Grade	3.5	NW	0.50	517	1	4	N	I or II		
10	All Concrete not otherwise specified	4	NW	0.50	517	3/4	4	6	I or II	AE	

- (1) FOR THE MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER ASTM C33:
 - 3/8" #8 AGGREGATE
 - 3/4" #67 AGGREGATE
 - 1-1/2" #467 AGGREGATE
- (2) TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR +/- 1 1/2%. "N" IN COLUMN INDICATES ADDED OF ENTRAINED AIR IS NOT PERMITTED.
- (3) ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS:
 - AE = AIR-ENTRAINING ADMIXTURE.
 - WRA = WATER REDUCING ADMIXTURE.
 - MRWRA = MID-RANGE WATER REDUCING ADMIXTURE, MAXIMUM SLUMP = 6".
 - HRWRA = HIGH-RANGE WATER REDUCING ADMIXTURE, MAXIMUM SLUMP = 8".

3.3.1

PLACING REINFORCEMENT

A. REINFORCEMENT PROTECTION

NOTES:

1. CONCRETE PLACED AGAINST EARTH. 3"
2. CONCRETE PLACED ON VOIDFORMS WITH MASONITE OR PLYWOOD COVERING 2"
3. CONCRETE PLACED IN FORMS BUT EXPOSED TO WEATHER OR EARTH:
 - A. BARS #5 AND SMALLER 1-1/2"
 - B. BARS LARGER THAN #5 2"
4. COLUMNS, GRADE BEAMS AND TIE BEAMS 1-1/2"
5. SLABS OR WALLS NOT EXPOSED TO WEATHER OR EARTH 1"
7. CORE WALLS NOT EXPOSED TO WEATHER OR EARTH 1"
- B. REINFORCING PLACING TOLERANCES: PER ACI 117.
- ULTIMATE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AND WELDED WIRE FABRIC AT POSITIONS SHOWN ON PLANS. ALL REINFORCING, DOMELS, BOLTS, AND EMBEDDED PLATES SHALL BE SET AND TIED IN PLACE BEFORE THE CONCRETE IS POURED. "STABBING" INTO PREVIOUSLY PLACED CONCRETE IS NOT PERMITTED.

(GENERAL NOTES CONTINUED ON SHEET S1.1)

SHEET INDEX

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S2.0	BASEMENT PLAN
S2.1	FIRST FLOOR FOUNDATION AND FRAMING PLAN
S2.2	SECOND FLOOR FRAMING PLAN
S2.3	THIRD FLOOR FRAMING PLAN
S2.4	ROOF FRAMING PLAN (FUTURE FOURTH FLOOR)
S2.5	MECHANICAL SCREEN AND CURB FRAMING PLAN
S3.1	FOUNDATION DETAILS
S3.2	FOUNDATION DETAILS
S3.3	FOUNDATION DETAILS
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S3.5	CORE WALL SECTIONS AND DETAILS
S3.6	FOUNDATION DETAILS
S3.7	FOUNDATION DETAILS
S3.8	FOUNDATION DETAILS
S3.9	FOUNDATION DETAILS
S4.1	MASONRY DETAILS
S5.1	STEEL CONNECTION SCHEDULE AND DETAILS
S5.2	STEEL DETAILS
S5.3	STEEL DETAILS
S5.4	STEEL DETAILS AND COLUMN SCHEDULE
S5.5	STEEL DETAILS
S5.6	STEEL DETAILS
S5.7	STEEL DETAILS
S5.10	STAIR NO. 4 PLANS
S5.11	STAIR NO. 4 ELEVATIONS
S5.12	STAIR NO. 4 DETAILS
S5.13	STAIR NO. 4 DETAILS
S5.14	STAIR NO. 4 DETAILS
S6.1	METAL STUD AND TRELLIS DETAILS
S6.2	METAL STUD AND TRELLIS DETAILS

THESE PROJECT RECORD DOCUMENTS HAVE BEEN PREPARED ON THE BASIS OF INFORMATION PROVIDED BY THE GENERAL CONTRACTOR. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ARCHITECT AND CONSULTANTS ARE NOT RESPONSIBLE FOR THEIR ACCURACY, NOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DOCUMENTS AS A RESULT. THESE DOCUMENTS SUPPLEMENT PROJECT RECORD SHOP DRAWINGS MAINTAINED BY THE OWNER.

ABBREVIATIONS

/	Per	FAB	Fabricate	OAE	Or Approved Equivalent
@	At	FF	Finished Floor	OC	On Center
AB	Anchor Bolt	FD	Finished (ed)	OD	Outside Diameter
ADDNL	Additional	FLG	Flange	O.F.	Outside Face
AFF	Above Finished Floor	FLR	Floor	OH	Opposite Hand
ALT	Alternate	FND	Foundation	OPNG	Opening
ALU	Aluminum	FO	Face Of	OPP	Opposite
APA	American Plywood Association	FP	Full Penetration or Fire Proofing	OVS	Oversized
APPROX	Approximate				
ARCH	Architect or Architectural	FRAM	Framing	PAF	Power Actuated Fastener
		FS	Footing	PC	Precast
BAL	Balance	FT	Foot or Feet	PEN	Penetration
BD	Board	FTG	Footing	PERP	Perpendicular
BLDG	Building	FV	Field Verify	PL	Plate (Steel)
BLKG	Blocking			PLF	Pounds Per Lineal Foot
BM	Beam	GA	Gage or Gauge	PREFAB	Prefabricated
BND	Boundary Nail	GLV	Galvanized	PRELIM	Preliminary
BO	Bottom	GL	Glu-lam	PS	Prestressed
BOT or B	Bottom	GR	Grade	PSF	Pounds Per Square Foot
BOS	Bottom Of Steel	GR BM	Grade Beam	PSI	Pounds Per Square Inch
BRG	Bearing			PT	Point
BSMT	Basement	HDAB	Headed Anchor Bolt		
BTWN	Between	HD	Headed or Holdown	QTY	Quantity
		HDAS	Headed Anchor Stud		
CC	Center to Center	HDG	Hot Dipped Galvanized	RAD or R	Radius
CC	Center of Gravity	HB	Hook	RB	Reinforced Concrete
CIP	Cast-In-Place	HORIZ	Horizontal	RC	Reinforced Concrete
CJ	Control Joint	HT	Height	RE: or REF	Refer to (Reference)
CJP	Complete Joint Penetration	HVAC	Heating-Ventilating and A/C	REIN	Reinforce(ing)(d)(ment)
CL	Centerline			RETUR	Return
CLG	Ceiling	ID	Inside Diameter	REQD	Required
CLR	Clear	I.F.	Inside Face	REQD(S)	Requirement(s)
CMU	Concrete Masonry Unit	IN	Inch	RO	Rough Opening
COL	Column	INT	Interior	ROF	Rough Oriented Fiber
CONN	Connection	INT	Precast Inverted Tee Beam		
CONSTR	Construction	JST	Joist	(S)	Salvaged
CONT	Continue or Continuous	JT	Joint	SC	Slip Critical
CONTR	Contractor			SCHED	Schedule
COORD	Coordinate			SECT	Section
CSJ	Construction Joint	k	Kip	SLM	Similar
CTR	Center	L or LG	Length	SLH	Short Leg Horizontal
		LB(S)	Pound(s)	SLV	Short Leg Vertical
D	Penny	LB	Precast L-Shaped Beam	SOG	Slab on Grade
DAS	Deformed Anchor Stud	LVL	Level or Laminated Veneer	S	South
DBL	Double		Lumber	SP	Space At
DIA or Ø	Diameter		Double	SP	Space(s)
DLH	Diagonal	LL	Live Load	SPECS	Specifications
DIM	Dimension	LLH	Long Leg Horizontal	SPLIT	Support
DL	Dead Load	LLV	Long Leg Vertical	SS	Stainless Steel
DN	Down	LOC(S)	Location(s) or Locate	STD	Standard
DO	Ditto	LONG	Longitudinal	STIFF	Stiffener
DP	Drilled Pier or Deep	LS	Laminated Strand Lumber	STL	Steel
DT	Detail	LT WT	Lightweight	STR	Structural
DTL(S)	Detail(s)	LT	Precast Double Tee	SW	Shearwall
DWG(S)	Drawing(s)			SYM	Symmetrical
DWL(S)	Dowel(s)	MACH	Machine	T&B	Top & Bottom
		MACH RM	Machine Room	T	Top
		MAS	Masonry	THK	Thick or Thickness
(E) or EXIST	Existing	MATL	Material	TL	Total Load
EA	Each	MAX	Maximum	TO	Top of
EC	Epoxy Coated	MCJ	Masonry Control Joint	TOC	Top of Concrete
EE	Each End	MECH	Mechanical	TOF	Top of Footing
EF	Each Face	MEP	Mech/Elect/Plumb	TOM	Top of Masonry
EJ	Expansion Joint	MIN	Minimum	TOPG	Topping
EL	Elevation	MISC	Miscellaneous	TOS	Top of Steel
ELEV	Elevator	ML	Micro-Lam	TOW	Top of Wall
EMBED	Embedded	mm	Millimeter	TRANS	Transverse
EN	Edge Nail	MNFR	Manufacturer	TYP	Typical
ENGR	Engineer	MO	Masonry Opening		
EQ	Equal	MTL	Metal	ULT	Ultimate
EQ SP	Equally Spaced	N	North	UNO	Unless Noted Otherwise
EQUIP	Equipment	NM	Non-Metallic	VERT	Vertical
ES	Each Side	NS	Non-Shrink or Near Side	VIF	Verify in Field
EW	Each Way	NTC	North-South		
E-W	East-West	NO or #	Not in Contract	W/O	Without
EXP ANCH	Expansion Anchor	NOM	Nominal	W/	With
EXT	Exterior	NTS	Not To Scale	W/	Width or Wood
EOS	Edge Of Slab	NWC	Normal Weight Concrete	WF	Wide Flange

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	= COLUMNS - Y = STEEL, CIP CONC, PRECAST,MASONRY, WOOD		= STEP
	= WALLS - Y = CIP CONC, PRECAST, MASONRY, WOOD		= SLOPE
	= DRILLED PIER MARK		= KEY NOTE
	= ELEVATION		= BOX NOTE: DESIGNATES THE NOTE IS TYPICAL AND APPLIES TO ALL SIMILAR CONDITIONS
	= FOOTING MARK		= DRAWING REVISION NUMBER
	= ELEVATION		= CURRENT REVISION CLOUD
	= CAST-IN-PLACE SLAB		= SUBGRADE
BXX	= CONCRETE BEAM		= STRUCTURAL MASONRY
JXX	= CONCRETE JOIST		= NON STRUCTURAL MASONRY
XXk	= BEAM REACTION IN KIPS		= CONCRETE WALL
[XX]	= SHEAR STUD QUANTITY		= MECHANICAL UNIT (XXkx = MECHANICAL UNIT WEIGHT IN KIPS INCLUDING HOUSEKEEPING PAD)
c=X"	= CAMBER (INCHES)		= OVERFRAMING STRUCTURE
(XXX'-XX")	= ELEVATION OF TOS		= DETAIL SECTION CUT
	= DX = DECK/SLAB MARK AND METAL DECK DIRECTION		= SHEET DRAWN ON
	= MOMENT CONNECTION		= BUILDING SECTION
- - -	= BRACING		= SHEET DRAWN ON
	= PENETRATION THRU STRUCTURAL MEMBER		
	= DAVIT		
	= ELEVATION SYMBOL		

PROJECT:	LAZZARA ORAL HEALTH UCHHS	PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK	SHEET NO.:	LOH-S11.dwg
DESIGNED BY:	BRENT LEU	regmtd	
DRAWN BY:		EDITED ON:	Wed, 08 Dec 2006 - 3:56pm

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DRAWN BY:T.LACK

CHECKED BY:P.DOAK

FILE TITLE:

REVISIONS:

ADDENDUM 00404/28/04

RECORD DRAWINGS12/04/06

DRAWING TITLE:
GENERAL NOTES
CONTINUED AND
PLAN NOTES

0"1/4"1/2"1"1 1/2"2"3"4"

S1.1
100% CD SET

DATE:06.21.04
PHASE:100% CD
JOB NUMBER:0302
DRAWING NUMBER:

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING, SHEATHING OR OTHERWISE MAINTAINING THE SIDES OF THE EXCAVATION FROM CAVE-INS UNTIL ALL BACKFILL IS COMPLETED PER SPECIFICATIONS. EXCAVATION SLOPES SHALL BE THE LESSER OF THE SLOPES SHOWN HERE OR EXCAVATION SLOPE LIMITS DICTATED BY WORKER SAFETY AND OSHA REQUIREMENTS.

NO SCALETYP EXCAVATION PARALLEL TO FTNG

1

NOTE: WHERE CLEAR DISTANCE BETWEEN SLEEVE IS IMPOSSIBLE THIS AREA SHALL BE TREATED AS A SLAB OR WALL OPENING REINFORCED AS PER TYPICAL OPNG DTLS ~ SCH 40 SLEEVES ARE REQUIRED PER UBC 1906.3.6 IF SLEEVES ARE LOCATED IN CRITICAL AREAS AS DETERMINED BY THE STRUCTURAL ENGINEER.

3/4"=1'-0" TYP PIPING OR CONDUIT IN OR THRU SLAB OR WALL

2

PLAN NOTES

SECOND FLOOR FRAMING NOTES

BASEMENT/FOUNDATION NOTES

THIRD FLOOR PLAN NOTES

ROOF (FUTURE FLOOR) PLAN NOTES

FIRST FLOOR PLAN NOTES

A. REFER TO FIRST FLOOR PLAN NOTES EXCEPT AS NOTED BELOW.

B. STRUCTURAL SLAB:

1. TOP OF CONCRETE ELEVATION 98'-4 UNLESS NOTED THUS:

A. SLABS-ON-GRADE

1. SLABS-ON-GRADE SHALL BE 5 INCH THICK NORMAL WEIGHT CONCRETE U.N.OTHERWISE. CONCRETE SLABS-ON-GRADE SHALL BE PLACED AS DETAILED ON 1/53.1.

RE: SOILS REPORT AND SPECIFICATIONS FOR REQUIREMENTS.

2. REINFORCE SLABS-ON-GRADE WITH 6x6 W2.9XW2.9 W.W.F., CENTERED.

3. ELEVATION TOP OF SLABS-ON-GRADE SHALL BE 67'-8 UNLESS NOTED ON PLAN THUS: XX'-XX"

4. RE: ARCH DRAWINGS FOR SLAB SLOPES AND DEPRESSIONS NOT SHOWN ON STRUCTURAL DRAWINGS AND FOR VAPOR BARRIER, IF REQUIRED, BENEATH SLAB ON GRADE.

5. AT TRACK FILE ROOMS PROVIDE 6" SOG WITH #4@12"OC EW.

FOOTINGS

1. ALL FOOTINGS ARE TYPE F-1 UNLESS NOTED ON PLAN THUS: F-XX

RE: SCHEDULE SHEET S3.1.

2. ALL FOOTINGS SHALL BE CENTERED ON COLUMNS, GRADE BEAMS, WALLS AND GRID LINES UNLESS DIMENSIONED OTHERWISE.

3. TOP OF FOOTING SHALL BE 67'-0, UNLESS NOTED ON PLAN THUS: XX'-XX"

4. ALL FOOTINGS SHALL BEAR ON NATURAL, UNDISTURBED SOIL OR PROPERLY COMPACTED STRUCTURAL FILL. RE: SOILS REPORT AND SPECIFICATIONS FOR REQUIREMENTS.

5. REFER TO DETAIL 1/51.1 FOR EXCAVATION PARALLEL TO FOOTINGS.

COLUMNS/PILASTERS

1. ALL COLUMNS AND PILASTERS ARE CENTERED ON THE INTERSECTION OF GRID LINES UNLESS DIMENSIONED OTHERWISE.

2. COLUMN TYPES ARE NOTED THUS: CS-X ON PLAN.

3. RE: SHEET S5.4 FOR COLUMN SCHEDULE.

RE: SHEET S3.4 FOR CAST-IN-PLACE CONCRETE SHEARWALL ELEVATIONS, REINFORCING AND DETAILS.

A. REFER TO FIRST FLOOR PLAN NOTES EXCEPT AS NOTED BELOW.

B. STRUCTURAL SLAB:

1. TOP OF CONCRETE ELEVATION 113'-0 U.N. THUS: XX'-XX"

A. FOUNDATIONS AND SLAB-ON-GRADE: REFER TO BASEMENT/FOUNDATION NOTES FOR FOUNDATION AND SLAB-ON-GRADE NOTES.

B. COLUMNS:

1. ALL COLUMNS CENTERED ON INTERSECTION OF GRID LINES UNLESS DIMENSIONED OTHERWISE.

2. RE: SHEET S5.4 FOR STEEL COLUMN SCHEDULE.

B. STRUCTURAL SLAB:

1. TOP OF CONCRETE ELEVATION 83'-0 U.N. THUS: XX'-XX"

2. METAL DECK AND STRUCTURAL SLAB TYPE NOTED ON PLAN THUS: DX

3. DECK SHALL BE TYPE 01 U.N. OTHERWISE. RE: SCHEDULE, SHEET S5.3 FOR SLAB REQUIREMENTS.

4. SUBMIT LOCATION OF SLAB CONSTRUCTION JOINTS FOR REVIEW THREE WEEKS (MINIMUM) PRIOR TO POUR. FOR COMPOSITE BEAMS, DO NOT PLACE CONSTRUCTION JOINTS ON BEAM FLANGE. RE: 9/55.2 FOR SUGGESTED LOCATIONS OF CONSTRUCTION JOINTS.

C. METAL DECK:

1. DIRECTION OF METAL DECK SPAN NOTED ON PLAN THUS: ←→

2. COMPOSITE DECK:

a. RE: METAL DECK AND STRUCTURAL SLAB SCHEDULE, SHEET S5.3 FOR DECK REQUIREMENTS.

b. DECK CONFIGURATION MAY AFFECT THE NUMBER OF SHEAR STUDS REQUIRED. RE: SPECIFICATIONS.

D. STEEL BEAMS:

1. EQUALLY SPACED BETWEEN GRID LINES UNLESS DIMENSIONED OTHERWISE.

2. TOP OF BEAM ELEVATION:

a. 7 1/2" BELOW TO U.N. ON PLAN THUS: XXX'-XX"

3. FABRICATE BEAMS SUCH THAT ROLLING OR FABRICATION INDUCED CAMBER IS UP AFTER ERECTION.

4. BEAMS REQUIRING CAMBER ARE NOTED THUS: c = X".

5. BEAMS WITHOUT [XX] DESIGNATION SHALL RECEIVE ONE ROW OF SHEAR CONNECTORS AT 24" OC

6. REQUIRED BEAM END CONNECTION CAPACITY, IN KIPS, NOTED ON PLAN THUS: XXk. IF TWO SYMBOLS ARE SHOWN THEY DENOTE CONNECTION REQUIRED AT THE CORRESPONDING BEAM END. IF ONLY ONE SYMBOL SHOWN, IT DENOTES CONNECTION REQUIRED AT EACH END OF BEAM. WHERE NO BEAM REACTION IS SHOWN PROVIDE A 10 KIP MAXIMUM CAPACITY. REFER TO THE CONNECTIONS SCHEDULE (S), SHEET S5.1.

7. SYMBOL INDICATES MOMENT CONNECTION.

8. FIRE RATING REQUIRED ON ALL STEEL COLUMNS, GIRDERS AND BEAMS, BASED ON UNRESTRAINED BEAM/GIRODER RATINGS, SHALL BE AS FOLLOWS:

a. 3 HOUR RATING: ALL COLUMNS, GIRDERS, AND BEAMS WHICH FRAME INTO COLUMNS.

b. 2 HOUR RATING: ALL OTHERS.

E. SHEAR CONNECTORS:

1. ALL CONNECTORS SHALL BE 3/4" DIAMETER X 0'-5 (NET-IN-PLACE LENGTH) HEADED ANCHOR STUDS.

2. NUMBER OF STUDS REQUIRED PER BEAM NOTED THUS:[XX]

3. RE: SHEET S5.3 FOR TYPICAL STUD LAYOUT AND SPACING DETAILS.

4. SUBMIT SHOP DRAWINGS INDICATING STUD LAYOUT (NO. OF STUDS/RIB) AND PLACEMENT ALONG BEAMS.

5. WHERE NO STUD CALL OUT IS SHOWN PROVIDE STUDS AT 12" OC WHERE BEAM CARRIES COMPOSITE METAL DECK.

F. LOADING DOCK

1. RE: ARCH FOR TOPPING REQUIREMENTS AT LOADING DOCK SLAB

GENERAL NOTES CONTINUED

3.3.2 CONSTRUCTION JOINTS

5.3.2 METAL DECK

3.3.3 MEP AND OTHER OPENINGS AND EMBEDMENTS

3.6.1 NON-SHRINK GROUT: CONFORM TO ASTM C1107, GRADES B, OR C. ACHIEVE 6000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

SECTION 4 - MASONRY

4.1.2 DESIGN STRENGTH: DEVELOP 1500 PSI COMPRESSIVE STRENGTH (1'm) IN 28 DAYS.

4.2.1 STEEL REINFORCING

4.3.1 SPLICES

4.3.2 INSTALLATION REQUIREMENTS

SECTION 5 - METALS

5.1.1 CONNECTION DESIGN: PROVIDE CONNECTIONS AS SHOWN IN THE STEEL BEAM CONNECTION SCHEDULE AND DETAILS HEREIN. PROVIDE 7/8" DIAMETER A325 BOLTS AT ALL CONNECTIONS UNLESS OTHERWISE NOTED. REFER TO SPECIFICATION FOR ALTERNATIVES AND CONNECTIONS NOT SHOWN.

5.1.2 WELDING REQUIREMENTS

5.1.3 COMPOSITE DESIGN

5.1.4 CAMBER

5.2.1 STRUCTURAL STEEL MATERIAL: PROVIDE THE FOLLOWING UNLESS NOTED:

5.2.2 CONNECTION MATERIAL

5.3.1 STRUCTURAL STEEL INSTALLATION

A. CONSTRUCTION JOINT LOCATION AND CASTING SEQUENCE SHOWN ON THE DRAWINGS IS SUGGESTED AND HAS BEEN ARRANGED TO MINIMIZE THE EFFECTS OF ELASTIC AND LONG-TERM SHORTENING. SUBMIT DRAWINGS SHOWING PROPOSED CONSTRUCTION JOINT LOCATION AND CASTING SEQUENCE.

B. LOCATE WALL CONSTRUCTION JOINTS FOR A 60' MAXIMUM LENGTH OF CONCRETE PLACEMENT. LOCATE CONSTRUCTION JOINTS IN SLABS ON DECK AND STRUCTURAL SLABS FOR A 150' MAXIMUM LENGTH WITH A MAXIMUM SIZE OF 15,000 SQUARE FEET.

A. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS BEFORE PLACING CONCRETE. REMOVE METAL DECK AT SLEEVE OR OPENING AFTER CONCRETE HAS CURED. DO NOT CUT REINFORCING WHICH MAY CONFLICT. CORING OF CONCRETE IS NOT PERMITTED.

B. REFER TO TYPICAL DETAILS FOR SPACING LIMITS ON SLEEVES AND FOR REQUIREMENTS FOR EMBEDDED CONDUIT AND PIPE.

A. ALL METAL STUDS AND TRACK 18 GAGE AND HEAVIER SHALL BE FORMED FROM STEEL WITH A MINIMUM YIELD STRENGTH OF 50 KSI.

B. ALL STUDS AND TRACK, 18 GAGE AND LIGHTER, SHALL BE FORMED FROM STEEL WITH A MINIMUM YIELD STRENGTH OF 33 KSI.

C. MECHANICAL BRIDGING SHALL BE USED IN ALL CASES. MECHANICAL BRIDGING SHALL BE SPACED AT INTERVALS NOT EXCEEDING 4'-0" ON CENTER.

D. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS. FIRMLY SEAT STUD WITHIN TRACK.

E. NO SPLICES IN STUDS, HEADERS, OR OTHER LOAD CARRYING MEMBERS MAY BE MADE WITHOUT PRIOR ENGINEERING REVIEW.

F. ALL CORNERS SHALL BE FRAMED WITH A MINIMUM OF 2 STUDS OF THE SAME GAGE AS WALL STUDS, UNLESS NOTED OTHERWISE.

G. MULTIPLE STUDS AT THE EDGE OF OPENINGS SHALL BE SECURED TOGETHER WITH 1-1/2" OF WELD AT EACH FLANGE AT 18" ON CENTER. RE: DETAIL 5/56.1.

H. NO HOLES SHALL BE CUT IN STRUCTURAL STUDS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.

I. PRE-PUNCHED HOLES IN STUDS ARE NOT ALLOWED WITHIN 12" OF THE TOP OR BOTTOM OF THE STUD.

J. ALL GALVANIZED METAL STUDS 16 GA AND HEAVIER SHALL MEET THE REQUIREMENTS OF ASTM A653, GRADE 50.

K. ALL GALVANIZED METAL STUDS 18 GA AND LIGHTER SHALL MEET THE REQUIREMENTS OF ASTM A653, GRADE 33.

L. TOUCH UP ALL WELDS WITH ZINC RICH PAINT.

M. WELDING ELECTRODES: CONFORM TO SMAW AWS5.1 OR A5.5, E60XX OR E70XX.

N. THESE NOTES APPLY ONLY TO EXTERIOR WALLS. SEE ARCHITECTURAL DRAWINGS FOR COORDINATION OF THESE WALLS AND FOR ALL INTERIOR WALLS.

CONNECTION DESIGN: PROVIDE CONNECTIONS AS SHOWN IN THE STEEL BEAM CONNECTION SCHEDULE AND DETAILS HEREIN. PROVIDE 7/8" DIAMETER A325 BOLTS AT ALL CONNECTIONS UNLESS OTHERWISE NOTED. REFER TO SPECIFICATION FOR ALTERNATIVES AND CONNECTIONS NOT SHOWN.

WELDERS: HAVE IN POSSESSION CURRENT EVIDENCE OF PASSING THE APPROPRIATE A.W.S. QUALIFICATION TESTS.

MINIMUM WELDS: AISC SPECIFICATION; NOT LESS THAN 3/16" FILLET, CONTINUOUS UNLESS OTHERWISE NOTED.

WELD SIZES AND LENGTHS CALLED FOR ON THE DRAWINGS ARE THE NET EFFECTIVE REQUIRED. INCREASE WELD SIZE IF GAPS EXIST AT THE FAYING SURFACE.

WELD SIZES SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY AISC J2.1.b AND J2.2.b.

ALL GROOVE WELDS SHALL BE COMPLETE PENETRATION UNLESS NOTED.

NUMBER OF SHEAR STUDS REQUIRED PER BEAM ON DRAWINGS IS BASED ON 100% OF THE AISC VALUE FOR THE CONCRETE TYPE AND 28-DAY STRENGTH SPECIFIED AND SHALL BE THE MINIMUM.

CAMBER SHOWN IS BASED ON THE COMPUTED DEFLECTION OF THE BEAM DUE TO SELFWEIGHT OF CONCRETE PLACED. DESIGN IS BASED ON THE THEORETICAL CONCRETE THICKNESS PLUS 1/2" THICKNESS FOR DECK LEVELING AND 1/2" THICKNESS FOR BEAM LEVELING. INCLUDE QUANTITY OF ADDED CONCRETE DUE TO DECK AND BEAM DEFLECTION IN BID.

VALUE NOTED ON PLAN IS IN-PLACE CAMBER, AFTER ERECTION, PRIOR TO PLACING CONCRETE. ADJUST FABRICATION AS REQUIRED TO ACHIEVE CAMBER SPECIFIED WITHIN TOLERANCES.

STRUCTURAL STEEL MATERIAL: PROVIDE THE FOLLOWING UNLESS NOTED:

WIDE FLANGE AND WT SHAPES: ASTM A992 Fy = 50 KSI

HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A53 Fy = 35 KSI

1. ROUND Fy = 48 KSI

2. RECTANGULAR Fy = 48 KSI

S, M, HP SHAPES, PLATES, ANGLES, CHANNELS, AND OTHER STEEL NOT IDENTIFIED: ASTM A36 Fy = 36 KSI

ANCHOR BOLTS: ASTM A307 UNLESS NOTED OTHERWISE.

BOLTS: ASTM A325 UNLESS NOTED OTHERWISE.

WELDING ELECTRODES: AWS D1.1, E70 SERIES UNLESS NOTED OTHERWISE.

HEADED ANCHOR STUDS (H.D.A.S.) AND DEFORMED ANCHOR STUDS (DAS) AWS D1.1 Fy = 60 KSI.

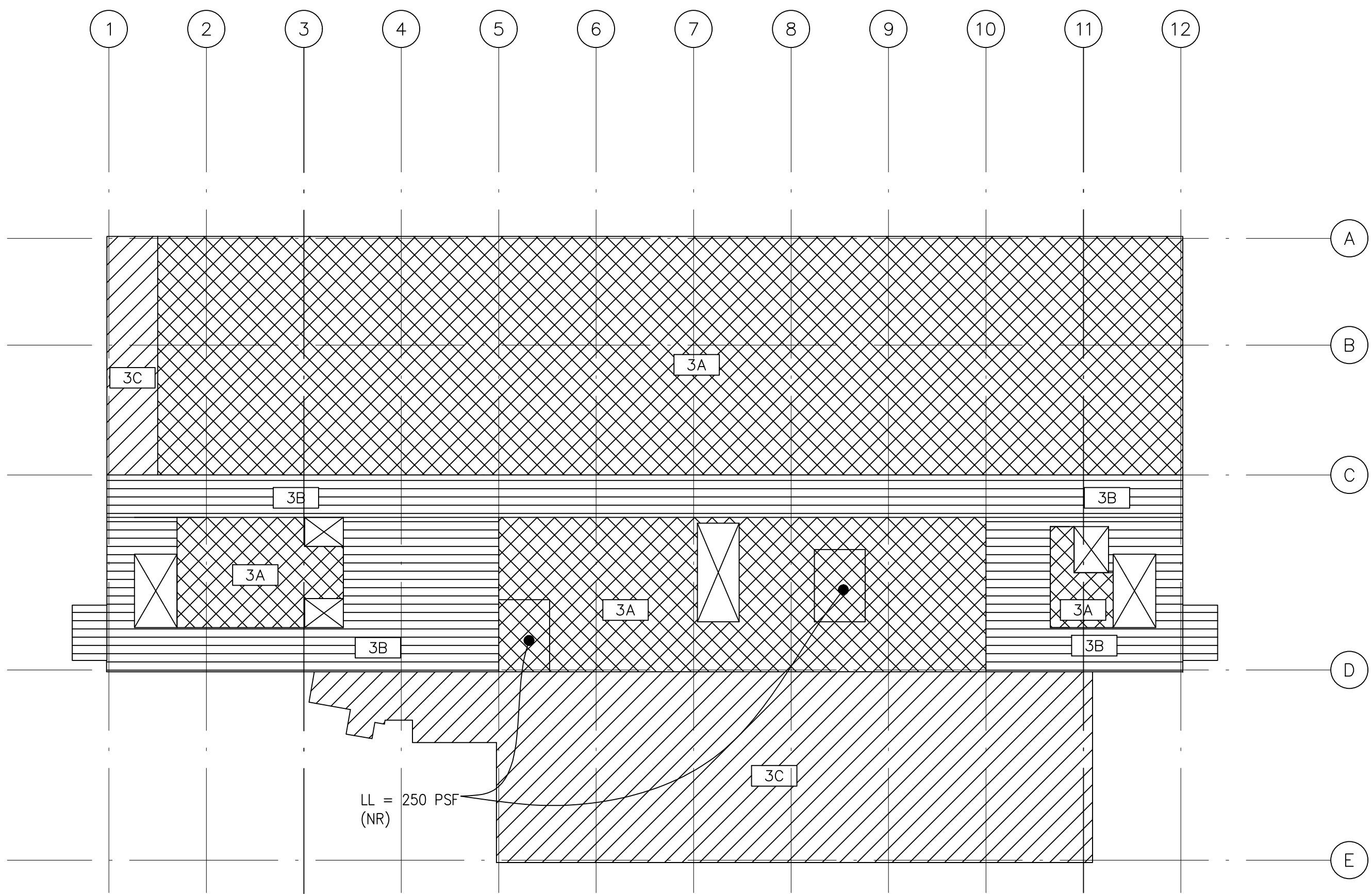
STUDS SHALL BE AUTOMATICALLY END WELDED IN SHOP WHERE POSSIBLE. FOR COMPOSITE CONSTRUCTION, CONNECTORS SHALL BE FIELD WELDED THROUGH THE METAL DECK.

EXPANSION ANCHORS: REFER TO SPECIFICATIONS FOR MATERIAL, GRADE, AND FINISH.

STRUCTURAL STEEL INSTALLATION

ALL A325 AND A490 BOLTS USED IN COLUMN SPLICES, CONNECTIONS OF BEAMS AND GIRDERS TO COLUMNS, AND WHERE NOTED ON THE DRAWINGS AS TYPE "SC" OR OTHER TYPE FOLLOWED BY "T", SHALL BE TENSIONED TO THE VALUES OF TABLE J3.7 OF "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, ASD," AISC 1989. OTHER HIGH-STRENGTH BOLTS MAY BE INSTALLED SNUG TIGHT AS DEFINED BY AISC.

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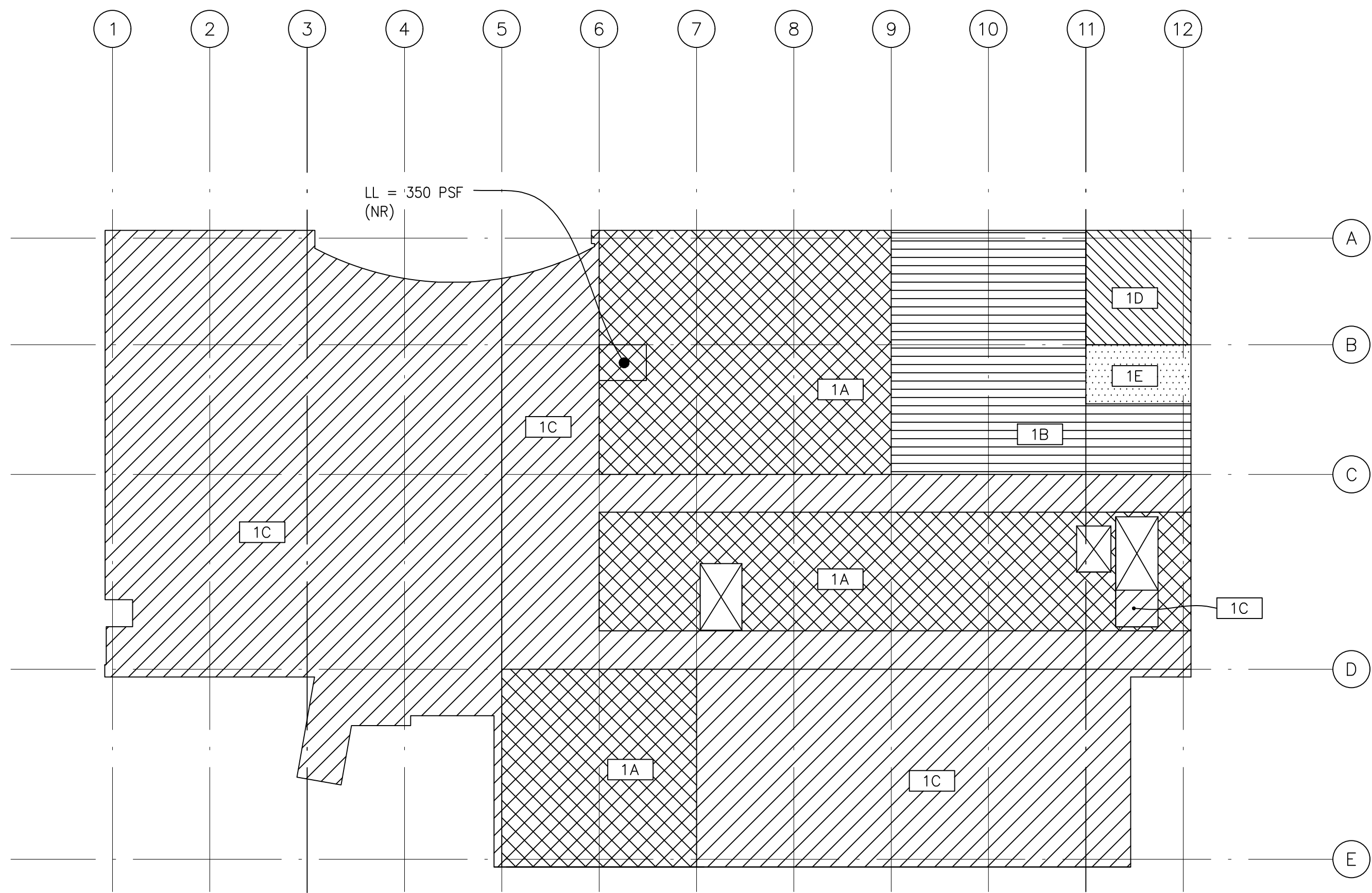
FLOOR LOADING DIAGRAM LEVEL-3

NOTES: SUPERIMPOSED DEAD LOAD EXCLUDES STRUCTURE SELF WEIGHT BUT INCLUDES THE WEIGHT OF ALL OTHER PERMANENT MATERIALS SUCH AS CEILINGS, MEP, FINISHES, ROOFING, ETC.

NO SCALE

LOAD KEY (SUPERIMPOSED LOADS)			
MARK	DL (1)	LL	REMARKS
1A	40	50 (RED)	OFFICE LIVE LOAD
1B	55	50 (RED)	OFFICE LIVE LOAD
1C	20	100 (RED)	CORRIDOR LIVE LOAD
1D	85	HS20 OR 250 (NR)	LOADING DOCK
1E	30	125 (NR)	STORAGE
2A	40	50 (RED)	OFFICE LIVE LOAD
2B	75	100 (RED)	CORRIDOR LIVE LOAD
2C	20	100 (RED)	CORRIDOR LIVE LOAD
3A	40	50 (RED)	OFFICE LIVE LOAD
3B	20	100 (RED)	CORRIDOR LIVE LOAD
3C	55	100 (NR)	TERRACE LIVE LOAD
4A	40	50 (RED)	OFFICE LIVE LOAD
4B	60	150 (NR)	MECHANICAL LIVE LOAD
4C	15	150 (NR)	MECHANICAL LIVE LOAD
4D	20	100 (RED)	CORRIDOR LIVE LOAD
5A	31	40 (NR)	FUTURE ROOF LIVE LOAD

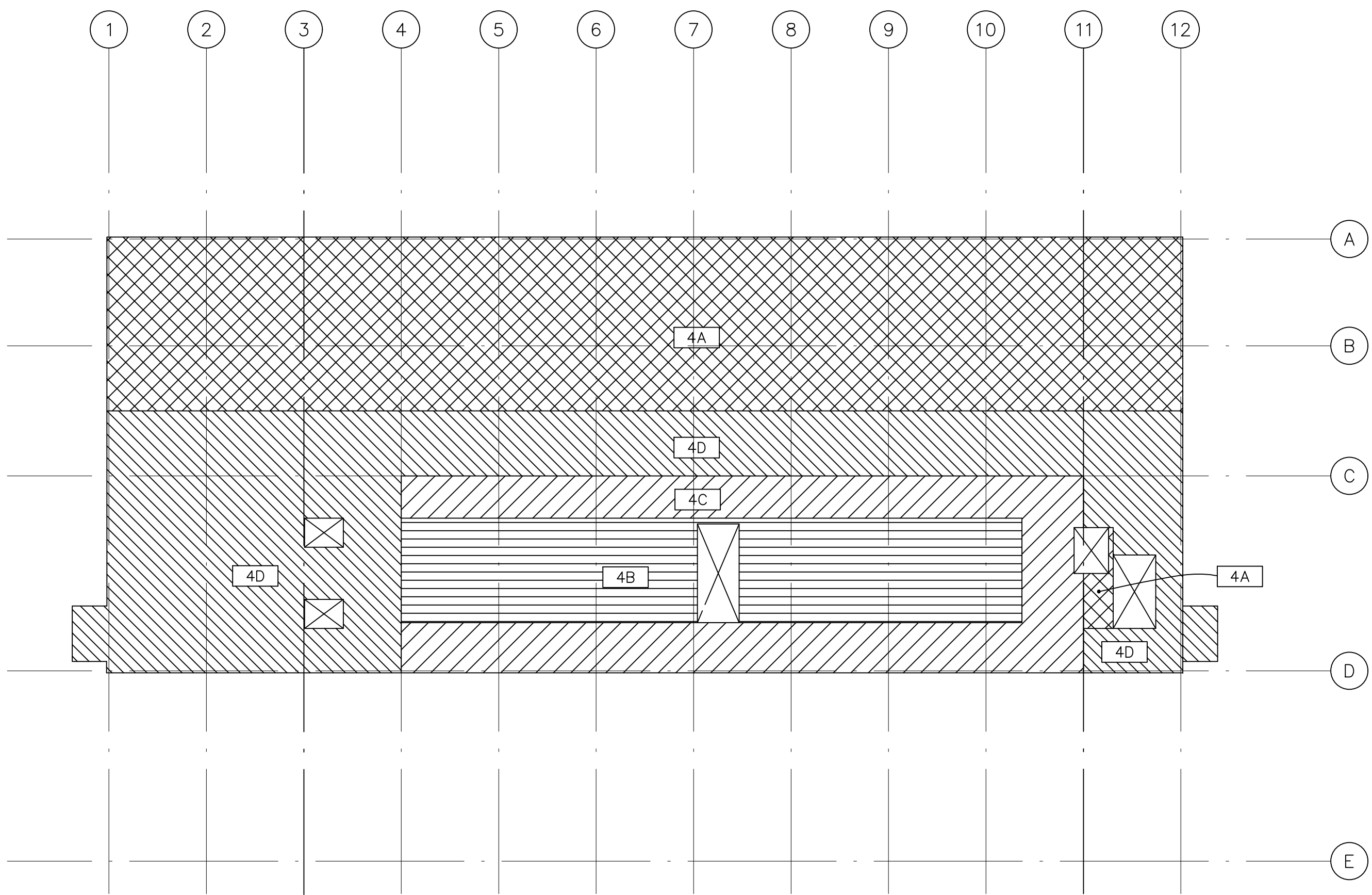
- NOTES:
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 - NR = NON REDUCIBLE LIVE LOAD.
 - RED = REDUCIBLE LIVE LOAD.



FLOOR LOADING DIAGRAM LEVEL-1

NOTES: SUPERIMPOSED DEAD LOAD EXCLUDES STRUCTURE SELF WEIGHT BUT INCLUDES THE WEIGHT OF ALL OTHER PERMANENT MATERIALS SUCH AS CEILINGS, MEP, FINISHES, ROOFING, ETC.

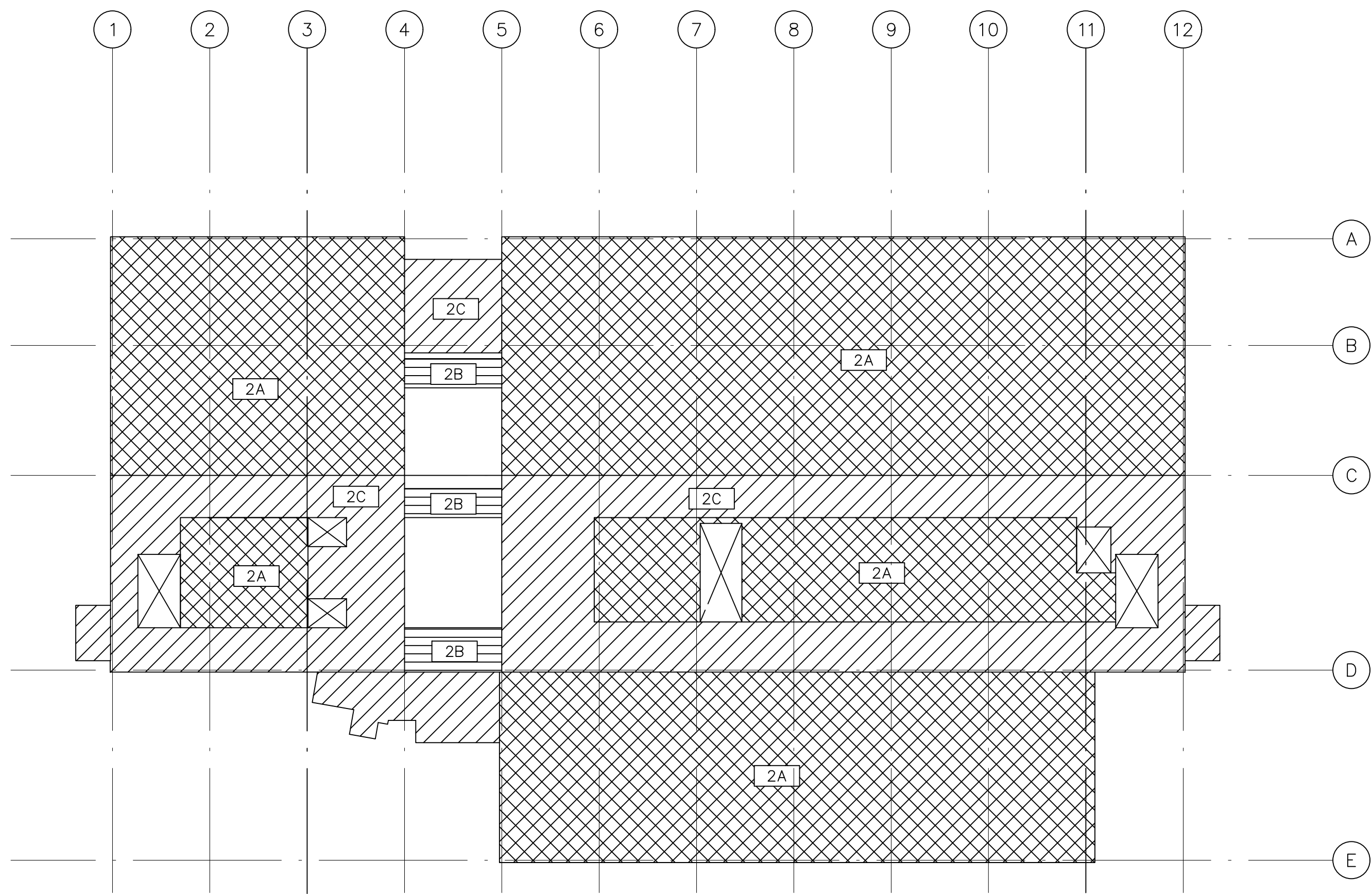
NO SCALE



FLOOR LOADING DIAGRAM LEVEL-4

NOTES: SUPERIMPOSED DEAD LOAD EXCLUDES STRUCTURE SELF WEIGHT BUT INCLUDES THE WEIGHT OF ALL OTHER PERMANENT MATERIALS SUCH AS CEILINGS, MEP, FINISHES, ROOFING, ETC.

NO SCALE



FLOOR LOADING DIAGRAM LEVEL-2

NO SCALE

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PROJECT:	LAZZARA ORAL HEALTH UCCHS
PROJECT NO.:	15827.S.01
SHEET NO.:	LOH-S1.2.dwg
DESIGNED BY:	regmnd
DRAWN BY:	Wed 08 Dec 2008 - 5:04pm

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LANDSCAPE ARCHITECT:
Insite Design

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DRAWN BY: T.LACK
CHECKED BY: P.DOAK
FILE TITLE: _____

REVISIONS:
ADDENDUM 004 04/28/04
RECORD DRAWINGS 12/04/06

DRAWING TITLE:
FLOOR LOADING DIAGRAMS
0' 1/4" 1/2" 1' 1 1/2" 2' 3' 4'

DATE: 06.21.04
PHASE: 100% CD
JOB NUMBER: 0302
DRAWING NUMBER:
S1.2
100% CD SET

PROJECT:	LAZZARA ORAL HEALTH UCCHS	PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK	SHEET NO.:	LOH-S1.3.dwg
DESIGNED BY:	BRENT LEU	EDITED BY:	regmid
DRAWN BY:	—	EDITED ON:	Wed, 06 Dec 2006 — 3:57pm

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REVISIONS:	
△ ADDENDUM 004	04/28/04
△ RECORD DRAWINGS	12/04/06
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DRAWING TITLE:

**FLOOR LOADING
DIAGRAMS**

0"1/4"1/2"1"1 1/2"2"3"4"

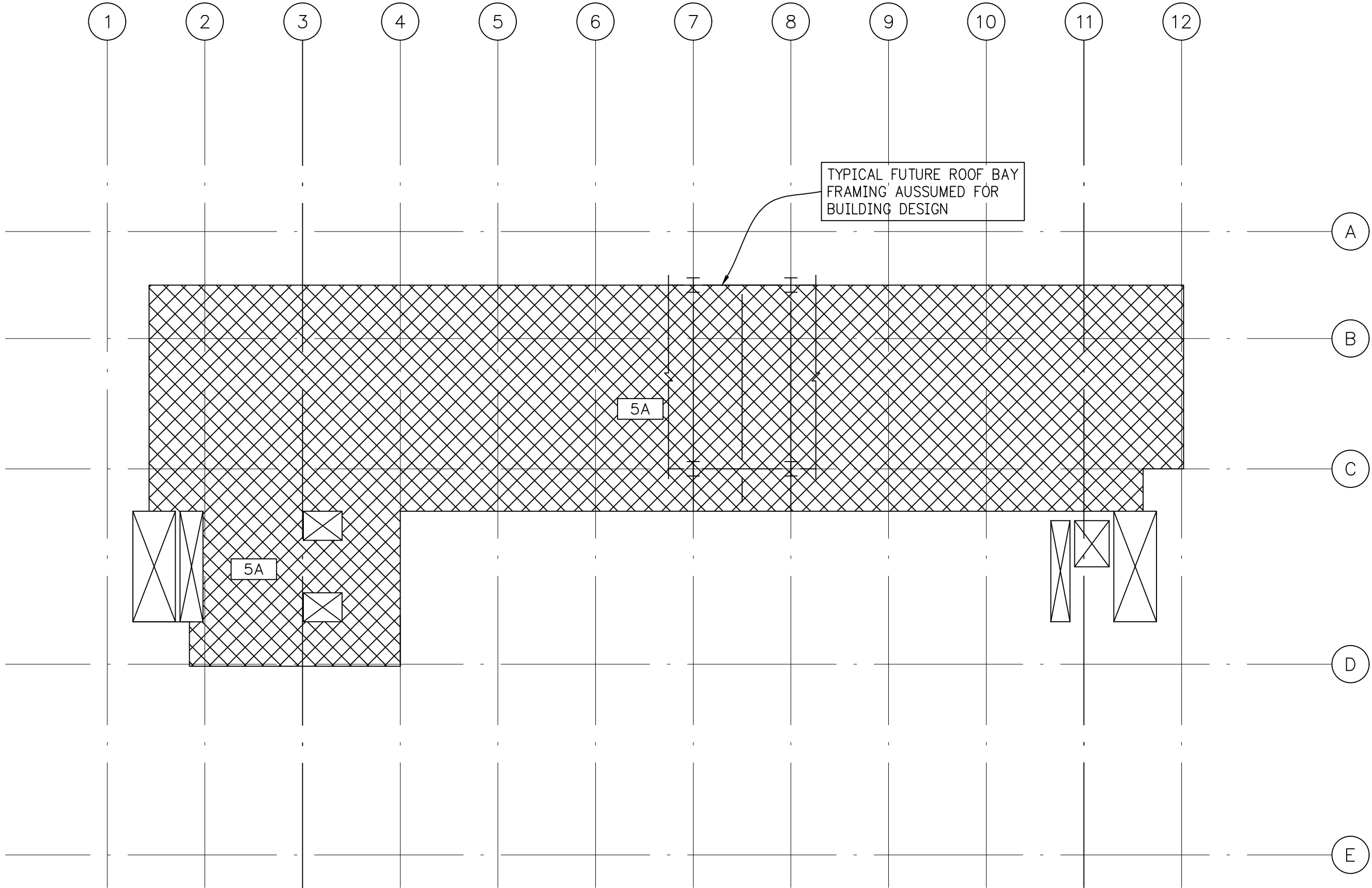
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JOB NUMBER:0302

DRAWING NUMBER:

S1.3
100% CD SET



FLOOR LOADING DIAGRAM LEVEL-5 (FUTURE ROOF)

NO SCALE

LOAD KEY (SUPERIMPOSED LOADS)			
MARK	DL (1)	LL	REMARKS
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1B	55	50 (RED)	OFFICE LIVE LOAD
1C	20	100 (RED)	CORRIDOR LIVE LOAD
1D	85	HS20 OR 250 (NR)	LOADING DOCK
1E	30	125 (NR)	STORAGE
2A	40	50 (RED)	OFFICE LIVE LOAD
2B	75	100 (RED)	CORRIDOR LIVE LOAD
2C	20	100 (RED)	CORRIDOR LIVE LOAD
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 - NR = NON REDUCIBLE LIVE LOAD.
 - RED = REDUCIBLE LIVE LOAD.

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PROJECT:	LAZZARA ORAL HEALTH UCHHS	PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK	SHEET NO.:	LOH-S20.dwg
DESIGNED BY:	BRENT LEU	DESIGNED BY:	regmld
DRAWN BY:		EDITED BY:	Wed, 06 Dec 2006 - 3:58pm

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ARCHITECTURE PLANNING INTERIOR DESIGN

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Martin/Martin
MECHANICAL/ELECTRICAL ENGINEER:
Cator, Ruma & Assoc.
CIVIL ENGINEER:
S.A. Miro, Inc.
LANDSCAPE ARCHITECT:
Insite Design

OWNER APPROVAL: _____

OWNER SIGNATURE _____ DATE _____

DRAWN BY: _____ T.LACK

CHECKED BY: _____ P.DOAK

FILE TITLE: _____

REVISIONS:	
ADDENDUM 004	04/28/04
ADDENDUM 005	05/07/04
ADDENDUM 001	07/19/04
RECORD DRAWINGS	12/04/06

DRAWING TITLE:
BASEMENT PLAN

0' 1/4" 1/2" 1' 1 1/2" 2' 3' 4'

DATE: 06.21.04

PHASE: 100% CD

JOB NUMBER: 0302

DRAWING NUMBER:

S2.0
100% CD SET

LAP SPLICE NOTES:

1. ALL SPLICES SHALL BE WIRED IN CONTACT, STACKED VERTICAL.
2. ALL SPLICES ARE 'LTS' UNLESS NOTED OTHERWISE.
3. SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZED BARS.
4. LAP LENGTH SPECIFICALLY DETAILED ON DRAWINGS SHALL GOVERN IN LIEU OF LAP LENGTHS SCHEDULED.
5. BUNDLED BAR SPLICES:
 - A. INDIVIDUAL BAR SPLICES WITHIN THE BUNDLE SHALL BE STAGGERED.
 - B. INCREASE LAP LENGTH 20% FOR A 3 BAR BUNDLE.
 - C. INCREASE LAP LENGTH 33% FOR A 4 BAR BUNDLE.
6. IF A NOTE OR DETAIL CALLS FOR A BAR TO BE EMBEDDED 1d (DEVELOPMENT LENGTH) INTO CONCRETE, THIS LENGTH SHALL CORRESPOND TO A 'LTE' LAP.

ADJUSTMENT(S) TO GIVEN LAP LENGTHS

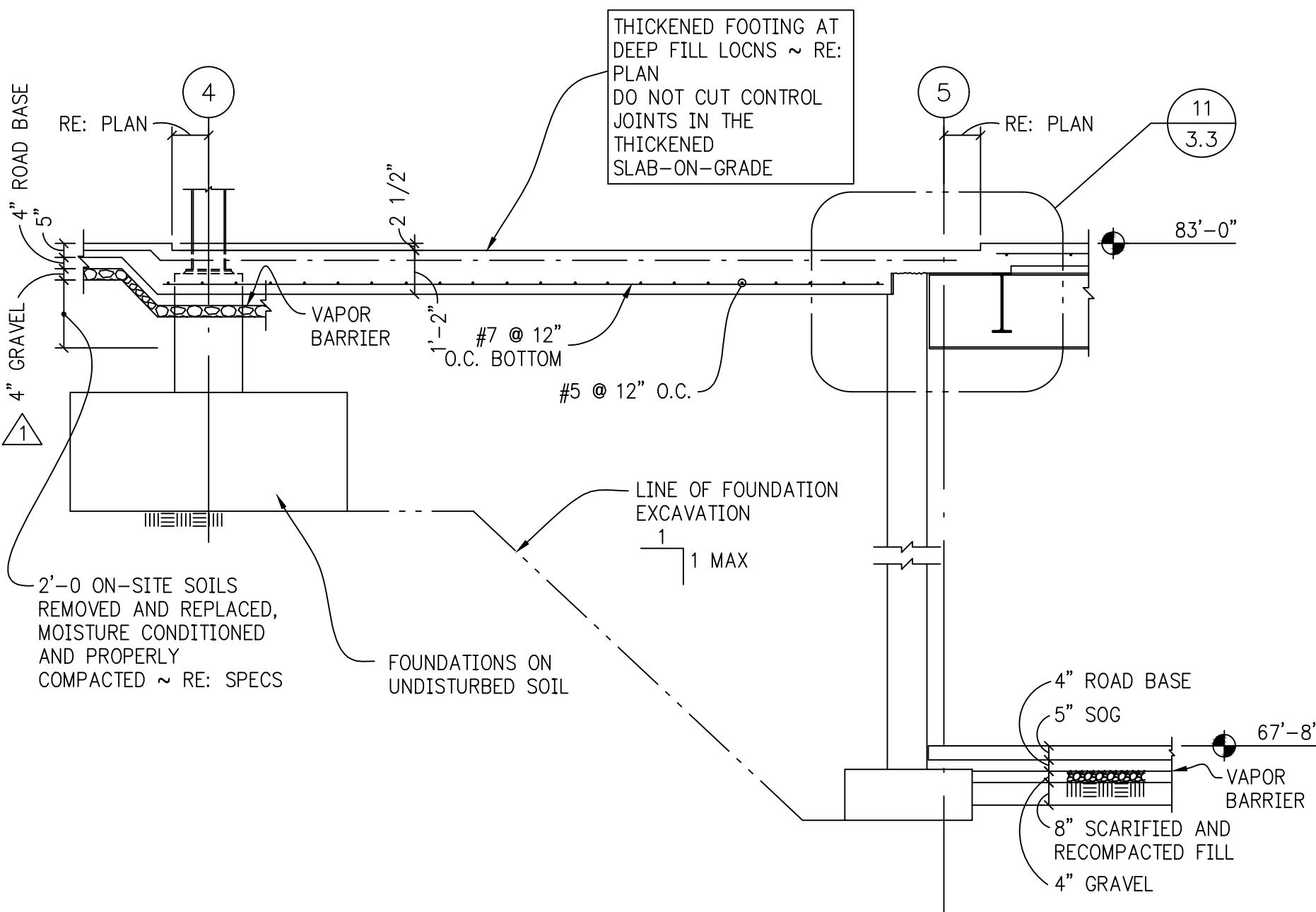
1. IF REINFORCING IS SPECIFIED AS EPOXY COATED, INCREASE SCHEDULED LAP LENGTHS BY 50%.
2. IF LIGHTWEIGHT AGGREGATE IS SPECIFIED, INCREASE SCHEDULED LAP LENGTHS BY 30%.

SCHEDULED LAP LENGTHS ASSUME:

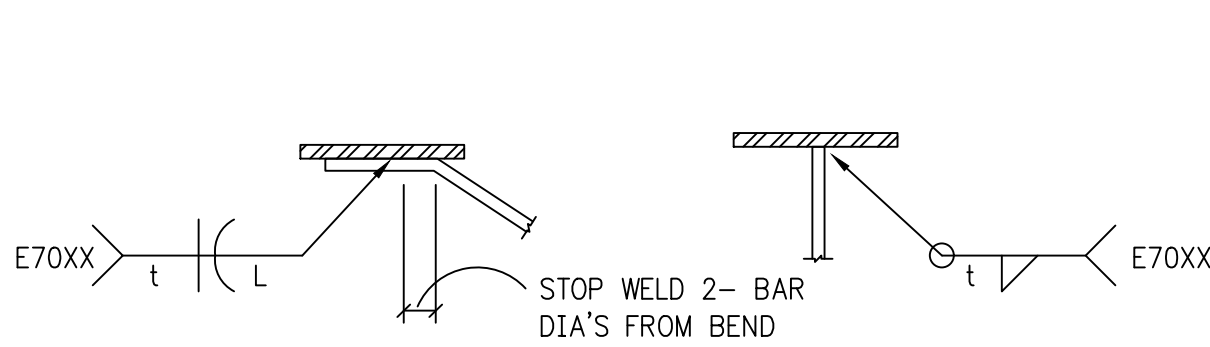
- A. CLEAR COVER IS GREATER THAN BAR DIAMETER, BUT NOT LESS THAN 3/4".
- B. CLEAR SPACING BETWEEN BARS IS GREATER THAN 2 BAR DIAMETERS.
- C. THE TRANSVERSE REINFORCEMENT INDEX, K_{tr} , IS ASSUMED TO BE ZERO.
- D. IF EITHER CONDITION A OR B IS NOT MET, PROVIDE FOR A GIVEN BAR, INCREASE SPLICE LENGTHS NOTED BASED ON $F_y = 60,000$ PSI. FOR OTHER YIELD STRENGTHS, MULTIPLY SPLICE LENGTHS NOTED BY $F_y/60,000$.

HOOK EMBEDMENT NOTES:

1. SCHEDULED HOOK EMBEDMENT LENGTHS ASSUME:
 - A. SIDE COVER IS 2 1/2 INCHES OR GREATER.
 - B. COVER BEYOND IS 2 INCHES OR GREATER.
2. IF REINFORCING IS SPECIFIED AS EPOXY COATED, INCREASE SCHEDULED LAP LENGTHS BY 50%.
3. IF LIGHTWEIGHT AGGREGATE IS SPECIFIED, INCREASE SCHEDULED LAP LENGTHS BY 30%.
4. IF SIDE COVER IS LESS THAN 2 1/2 INCHES, INCREASE LENGTHS BY 40%.

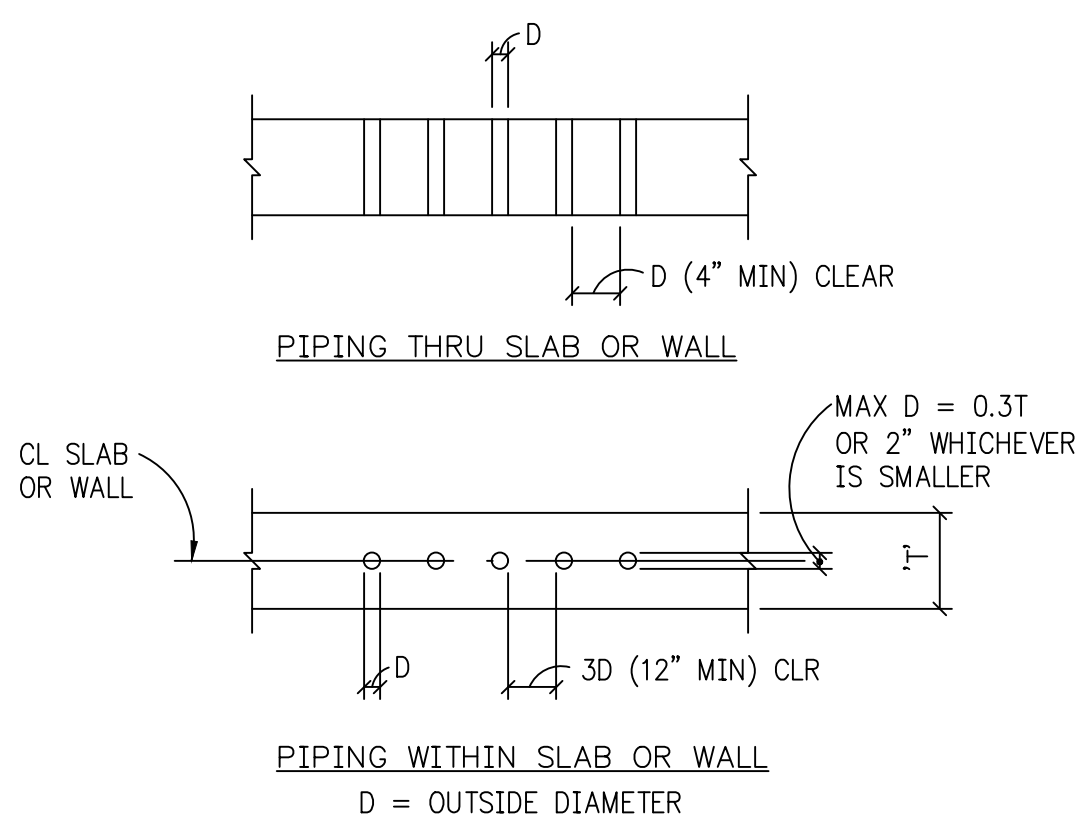


NO SCALE	REINFORCING BAR — LAP SPLICE/DEVELOPMENT LENGTH SCHEDULE	4	1/4"=1'-0"	SECTION	1
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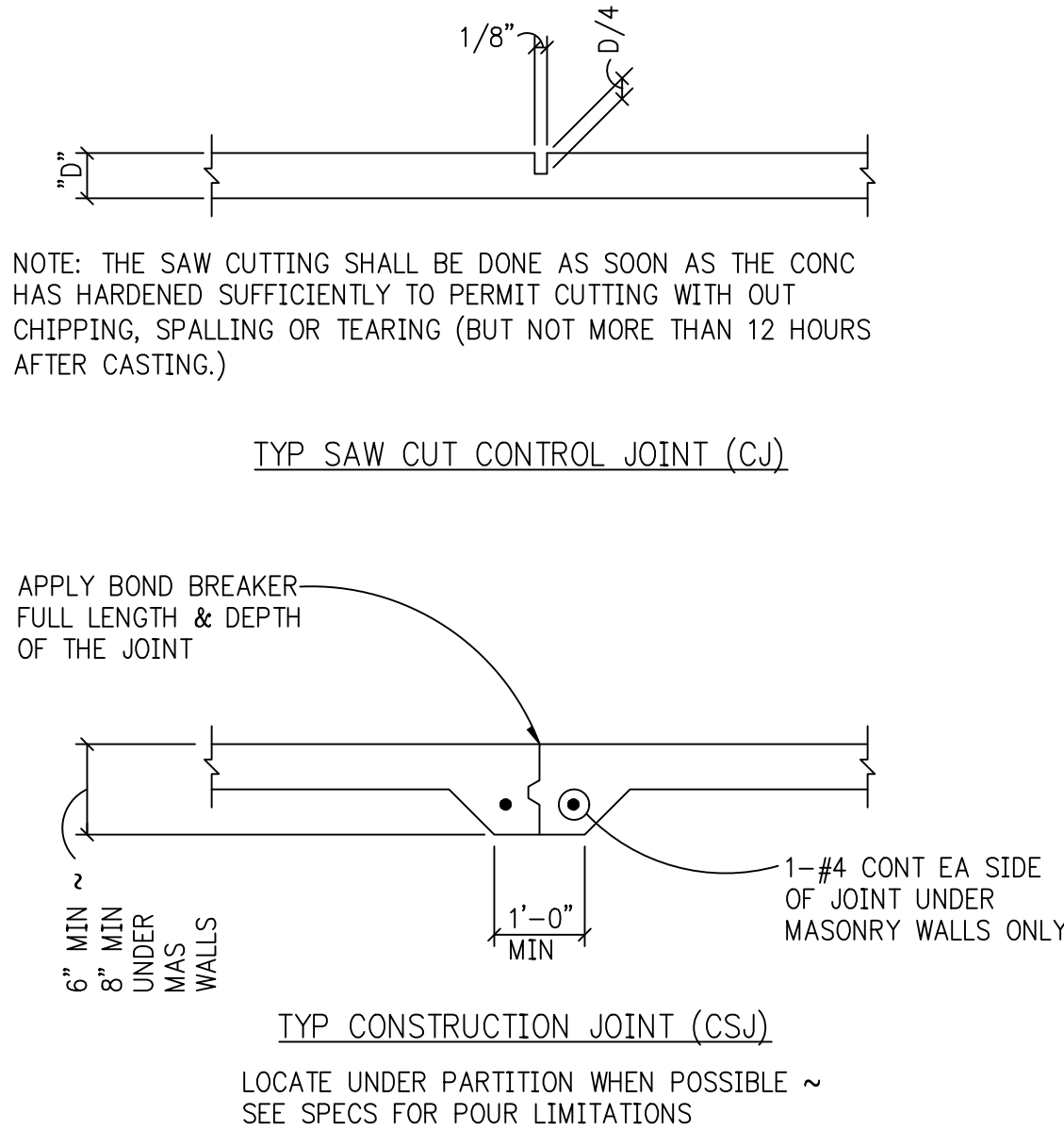


BAR SIZE	WELD t	SIZE L
#3	3/16"	2"
#4	1/4"	2 1/2"
#5	5/16"	3"
#6	3/8"	3 1/2"
#7	7/16"	4"

NOTES:
1. ALL REINF TO BE WELDED SHALL CONFORM TO ASTM A706.

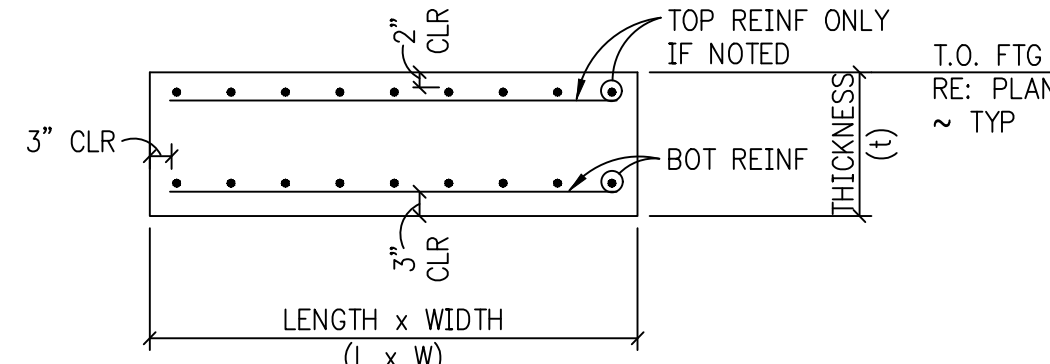


NOTE: WHERE CLEAR DISTANCE BETWEEN SLEEVE IS IMPOSSIBLE THIS AREA SHALL BE TREATED AS A SLAB OR WALL OPENING REINFORCED AS PER TYPICAL OPNG DTLS ~ SCH 40 SLEEVES ARE REQUIRED PER UBC 1906.3.6 IF SLEEVES ARE LOCATED IN CRITICAL AREAS AS DETERMINED BY THE STRUCTURAL ENGINEER.

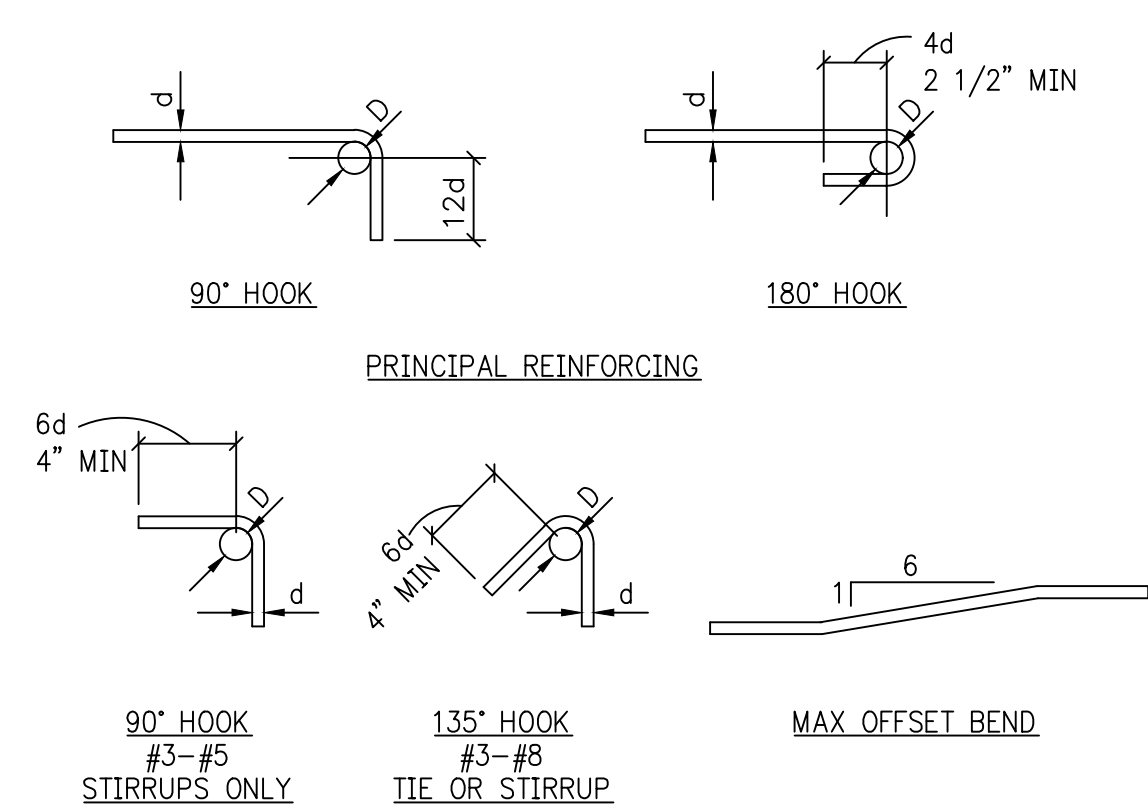
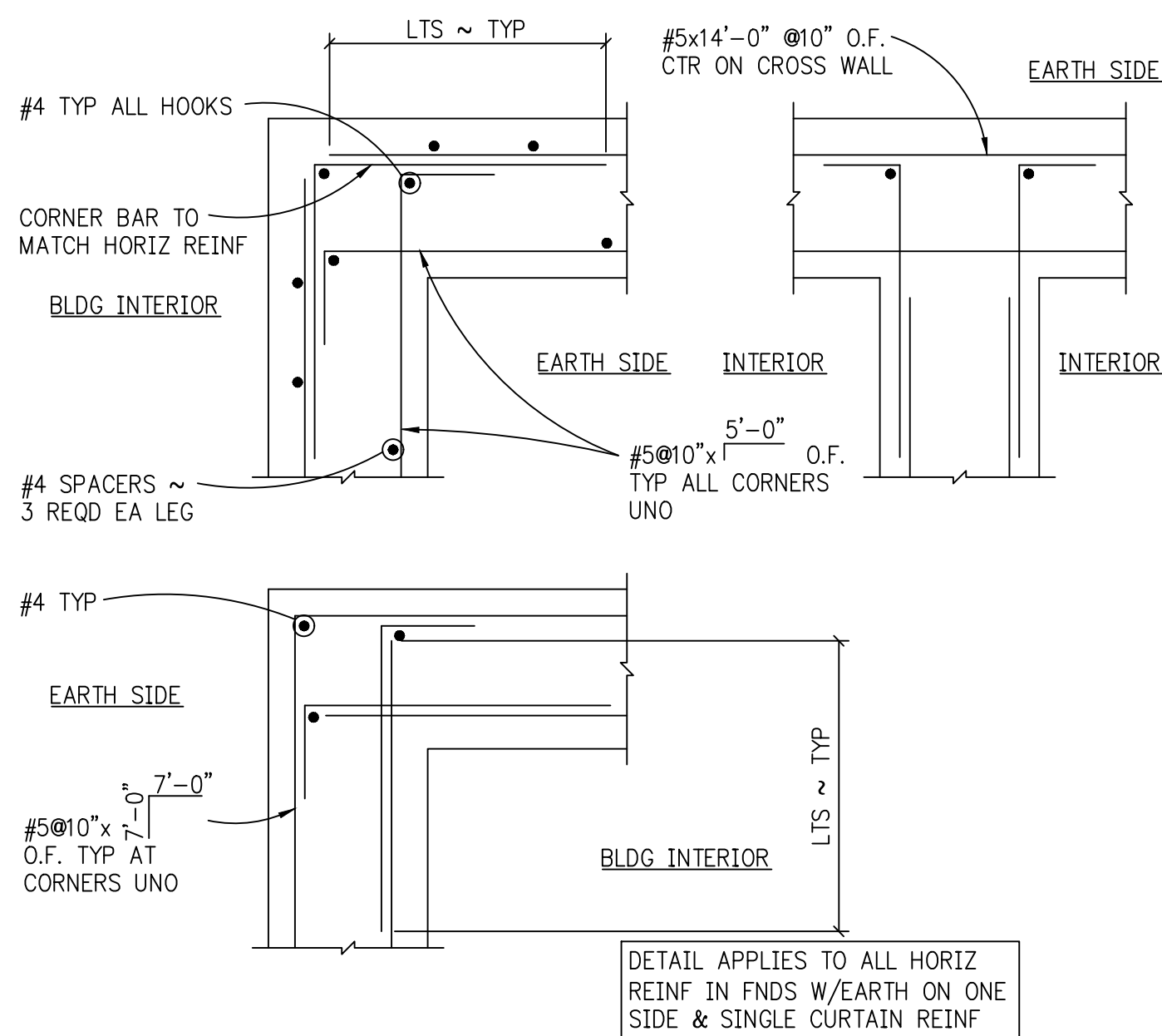


FOOTING SCHEDULE				
MARK	FOOTING SIZE L x W x t	REINFORCING	CAPACITY	REMARKS
F-1	12'-0 x 12'-0 x 2'-6	18-#7 EW-BOT	-	
F-2	9'-0 x 9'-0 x 2'-0	10-#7 EW-BOT	-	
F-3	6'-0 x 6'-0 x 1'-2	10-#4 EW-BOT	-	
F-4	8'-6 x 8'-6 x 1'-8	9-#7 EW-BOT	-	
F-5	7'-0 x 7'-0 x 1'-6	8-#6 EW-BOT	-	
F-6	10'-0 x 10'-0 x 2'-0	13-#7 EW-BOT	-	
F-7	10'-6 x 10'-6 x 1'-8	11-#7 EW BOT	-	-
F-8	11'-0 x 11'-0 x 2'-0	11-#7 EW BOT	-	-
F-9	4'-0 x 4'-0 x 1'-0	5-#6 EW BOT	-	-
F-10	5'-0 x 5'-0 x 1'-3	5-#6 EW BOT	-	-

NOTES:
1. REFER TO DETAIL 1/S3.1 FOR SOIL PREPARATION WHERE BOTTOM OF FOOTING IS LESS THAN 10'-0" BELOW EXISTING GRADE.



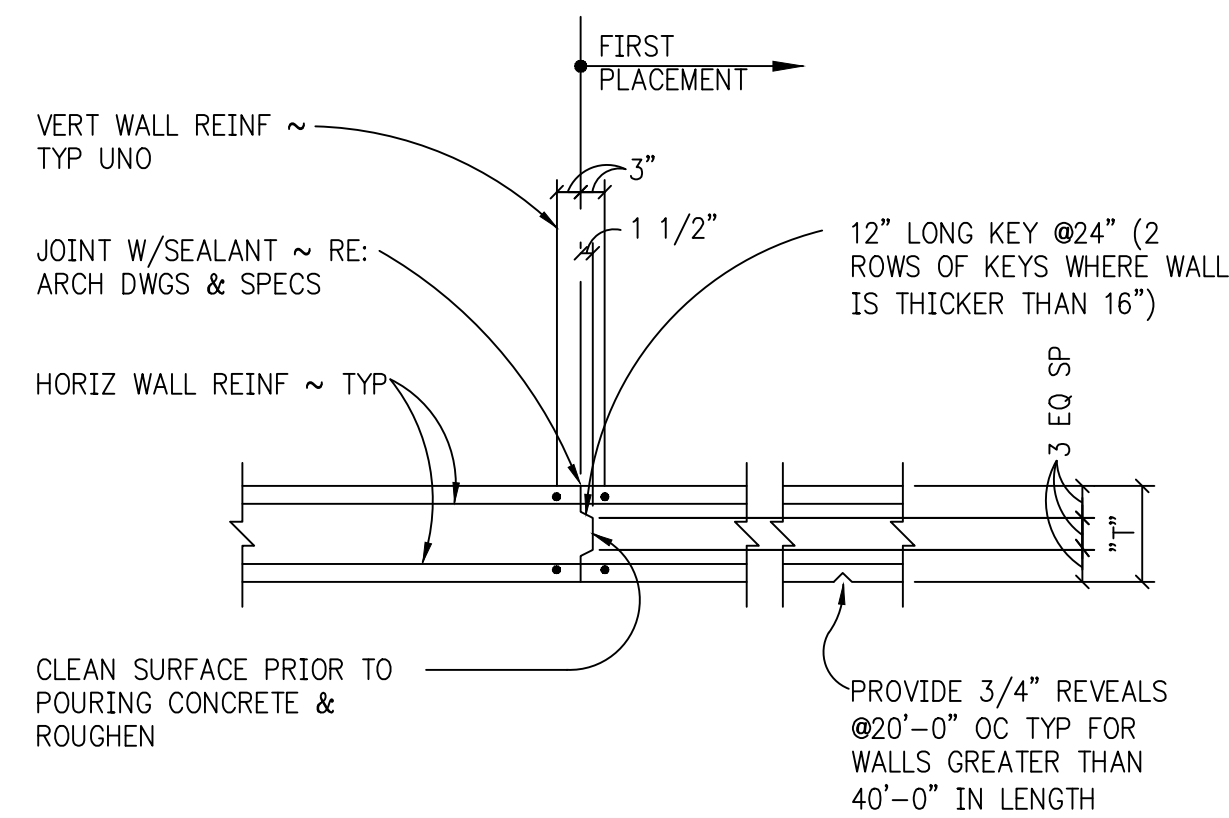
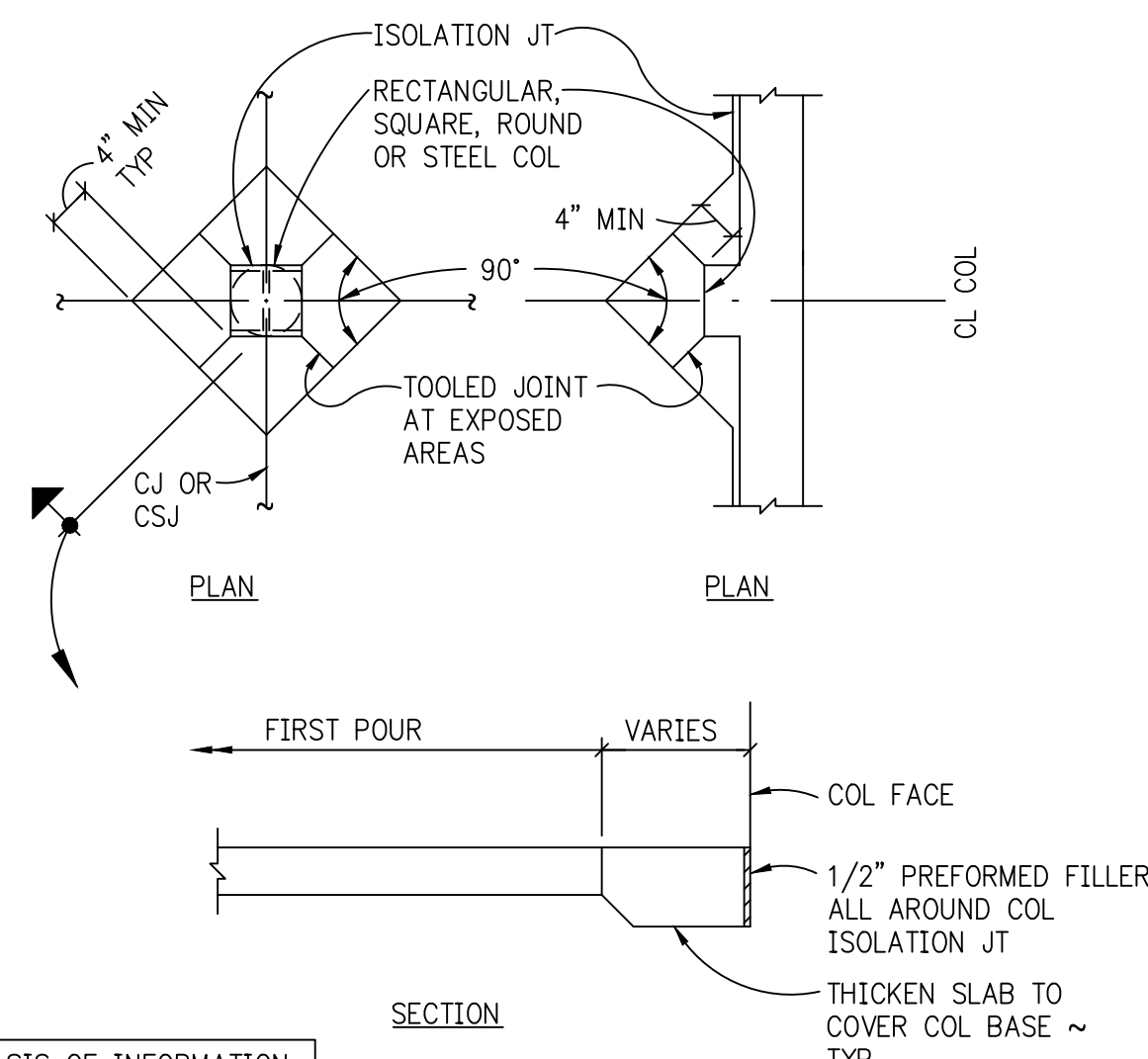
NO SCALE	TYP REBAR WELD SCHEDULE	11	NO SCALE	PIPING OR CONDUIT IN OR THRU SLAB OR WALL	8	NO SCALE	TYP SLAB-ON-GRADE JOINTS	5	NO SCALE	TYP FOOTING SCHEDULE	2
----------	-------------------------	-----------	----------	---	----------	----------	--------------------------	----------	----------	----------------------	----------



NOTES:

1. ALL BENDS SHALL BE MADE COLD.
2. #14 & #18 BARS SHALL BE BEND TESTED & LAB APPROVED PRIOR TO BENDING.
3. RE: ACI-318 FOR 'D'.

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NOTES: 1. PROVIDE CONSTRUCTION JOINTS 60'-0" OC MAX.
2. JOINTS SHALL BE LOCATED WITHIN MIDDLE 1/3 OF SPAN OR CT RD OVER THE SUPPORT.
3. LOCATION AND DTL OF JOINTS SHALL BE APPROVED BY ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTING FORMS OR PLACING CONCRETE AND SHALL BE SHOWN ON THE SHOP DRAWINGS.

NO SCALE	TYP FOUNDATION WALL CORNER	12	NO SCALE	TYP BAR BENDS	9	NO SCALE	TYP SLAB-ON-GRADE JOINTS	6	NO SCALE	TYP VERT WALL CONST JOINT	3
----------	----------------------------	-----------	----------	---------------	----------	----------	--------------------------	----------	----------	---------------------------	----------

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Cator, Ruma & Assoc.
CIVIL ENGINEER:
S.A. Miro, Inc.
LANDSCAPE ARCHITECT:
Insite Design

OWNER APPROVAL:

OWNER SIGNATURE _____ DATE _____

DRAWN BY: T.LACK

CHECKED BY:	P.DOAK
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FILE TITLE:

REVISIONS:

ADDENDUM 004 **04/28/04**

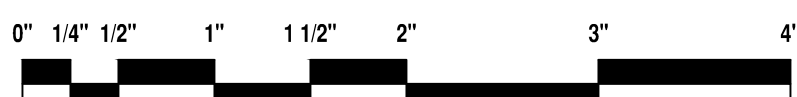
RECORD DRAWINGS 12/04/06

△

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DRAWING TITLE:

FOUNDATION DETAILS



DATE: 06.21.04

PHASE: 100% CD

JOB NUMBER: 0302

DRAWING NUMBER:

001

S3.1

100% CD SET

PROJECT:	LAZZARA ORAL HEALTH UCCHS
PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK
DESIGNED BY:	regmid
DRAWN BY:	LAO
DATE:	Wed, 06 Dec 2006 - 4:26pm

	NO SCALE	TYP STEPPED FOOTING	10		NO SCALE	SECTION WALL THICKENED SLAB	7		NO SCALE	TYP WALL OPNGS	4		3/4"=1'-0"	TYPICAL FOUNDATION WALL SECTION	1
	NO SCALE	TYP STEPPED SLAB	11		3/4"=1'-0"	SECTION AT BASEMENT WALL	8		NO SCALE	TYP COL BASE PLATE / FND	5		NO SCALE	TYP THRESHOLD	3
	NO SCALE	TYP CONC CURB & EQUIPMENT PAD ON GRADE	12		3/4"=1'-0"	SECTION AT PILASTER	9		NO SCALE	TYP CONCRETE STAIR ON GRADE	6		NO SCALE	TYP THRESHOLD	3

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Insite Design

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OWNER SIGNATURE _____ DATE _____
DRAWN BY: _____ T.LACK
CHECKED BY: _____ P.DOAK
FILE TITLE: _____

REVISIONS:
△ ADDENDUM 004 04/28/04
△ RECORD DRAWINGS 12/04/06
△
△
△
△

DRAWING TITLE:
FOUNDATION DETAILS
0" 1/4" 1/2" 1" 1 1/2" 2" 3" 4"

DATE: 06.21.04
PHASE: 100% CD
JOB NUMBER: 0302
DRAWING NUMBER:
S3.2
100% CD SET

PROJECT:	LAZZARA ORAL HEALTH UCCHS
PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK
DESIGNED BY:	regmid
DRAWN BY:	LAO
DATE:	Wed, 08 Dec 2006 - 4:22pm

		NO SCALE	SECTION AT LOADING DOCK	10			3/4"=1'-0"	TYP FLR/PILASTER BM	7			3/4"=1'-0"	STAIR AT SOG	4			3/4"=1'-0"	TYP BASEMENT CORNER PILASTER	1
		3/4"=1'-0"	SECTION	11			3/4"=1'-0"	SOG/BASEMENT WALL/STRUCT SLAB	8			1/2"=1'-0"	TYP CIP COL TO FTG DTL	5			3/4"=1'-0"	CORNER PILASTER	2
		3/4"=1'-0"	SECTION AT SITTING BENCH	12			3/4"=1'-0"	GRADE BM	9			3/4"=1'-0"	TYP FLR BM/FND WALL CONN	6			NO SCALE	TYP ELEVATOR PIT	3

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Insite Design

OWNER APPROVAL:
OWNER SIGNATURE _____ DATE _____
DRAWN BY: T.LACK
CHECKED BY: P.DOAK
FILE TITLE: _____

REVISIONS:
ADDENDUM 004 04/28/04
ADDENDUM 005 05/07/04
RECORD DRAWINGS 12/04/06

DRAWING TITLE:
FOUNDATION DETAILS
0" 1/4" 1/2" 1" 1 1/2" 2" 3" 4"

DATE: 06.21.04
PHASE: 100% CD
JOB NUMBER: 0302
DRAWING NUMBER:
S3.3
100% CD SET

PROJECT:	LAZZARA ORAL HEALTH UCHHS	PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK	SHEET NO.:	LH-S3.4.dwg
DESIGNED BY:	—	EDITED BY:	regmid
DRAWN BY:	LAD	DATE:	Wed, 06 Dec 2006 - 4:28pm

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S.A. Miro, Inc.
LANDSCAPE ARCHITECT:
Insite Design

OWNER APPROVAL:
OWNER SIGNATURE _____ DATE _____
DRAWN BY: T.LACK
CHECKED BY: P.DOAK
FILE TITLE: _____

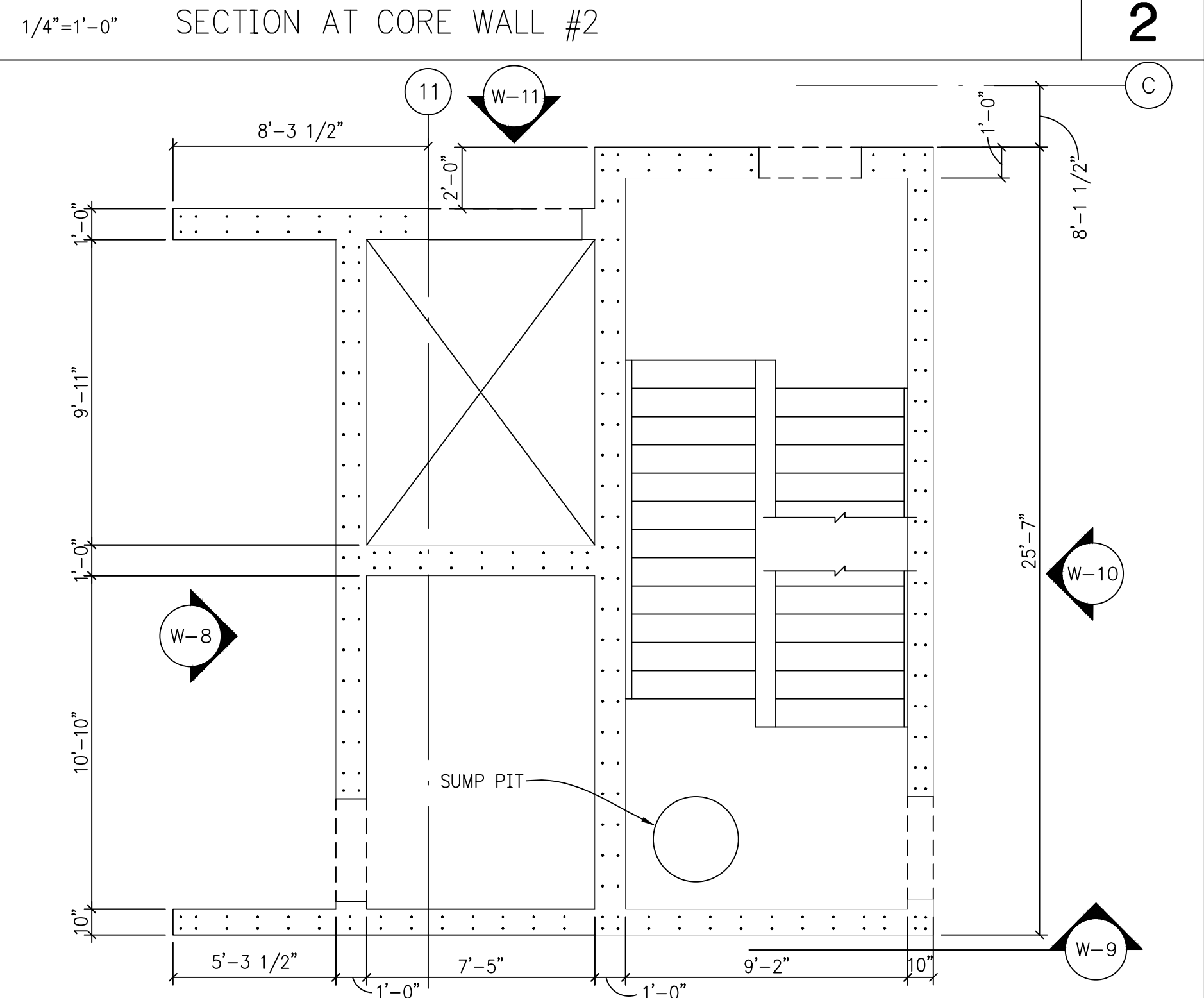
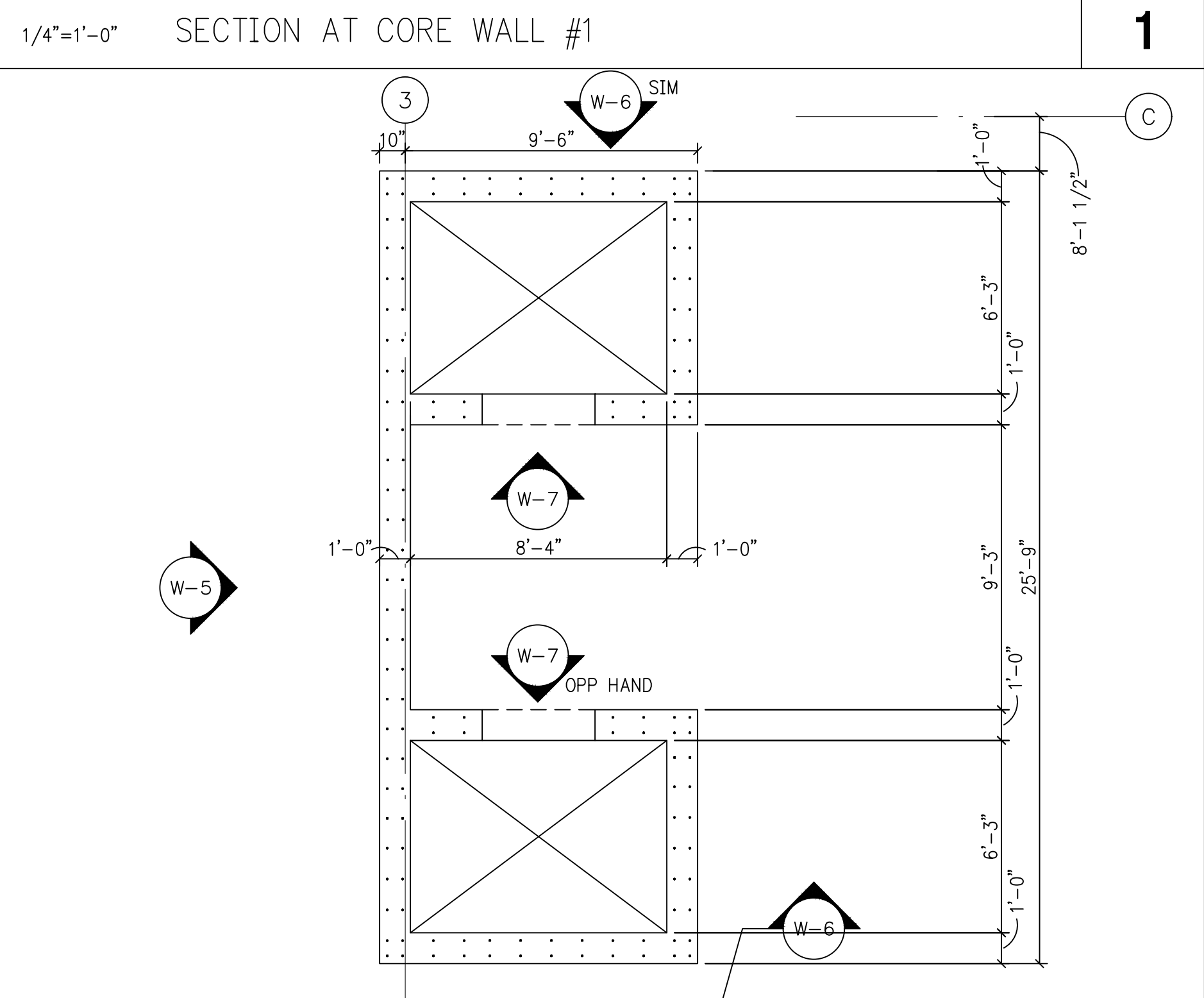
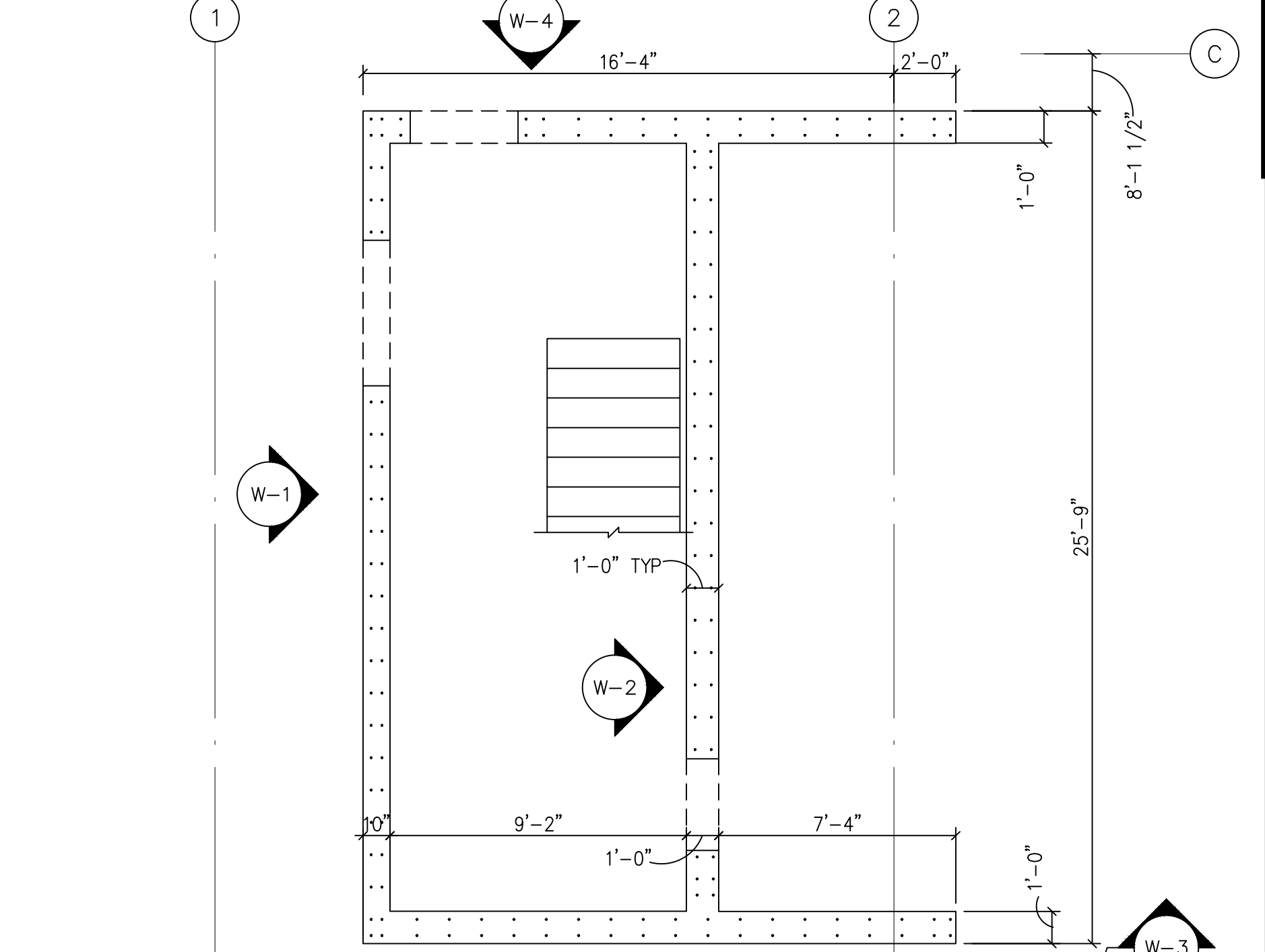
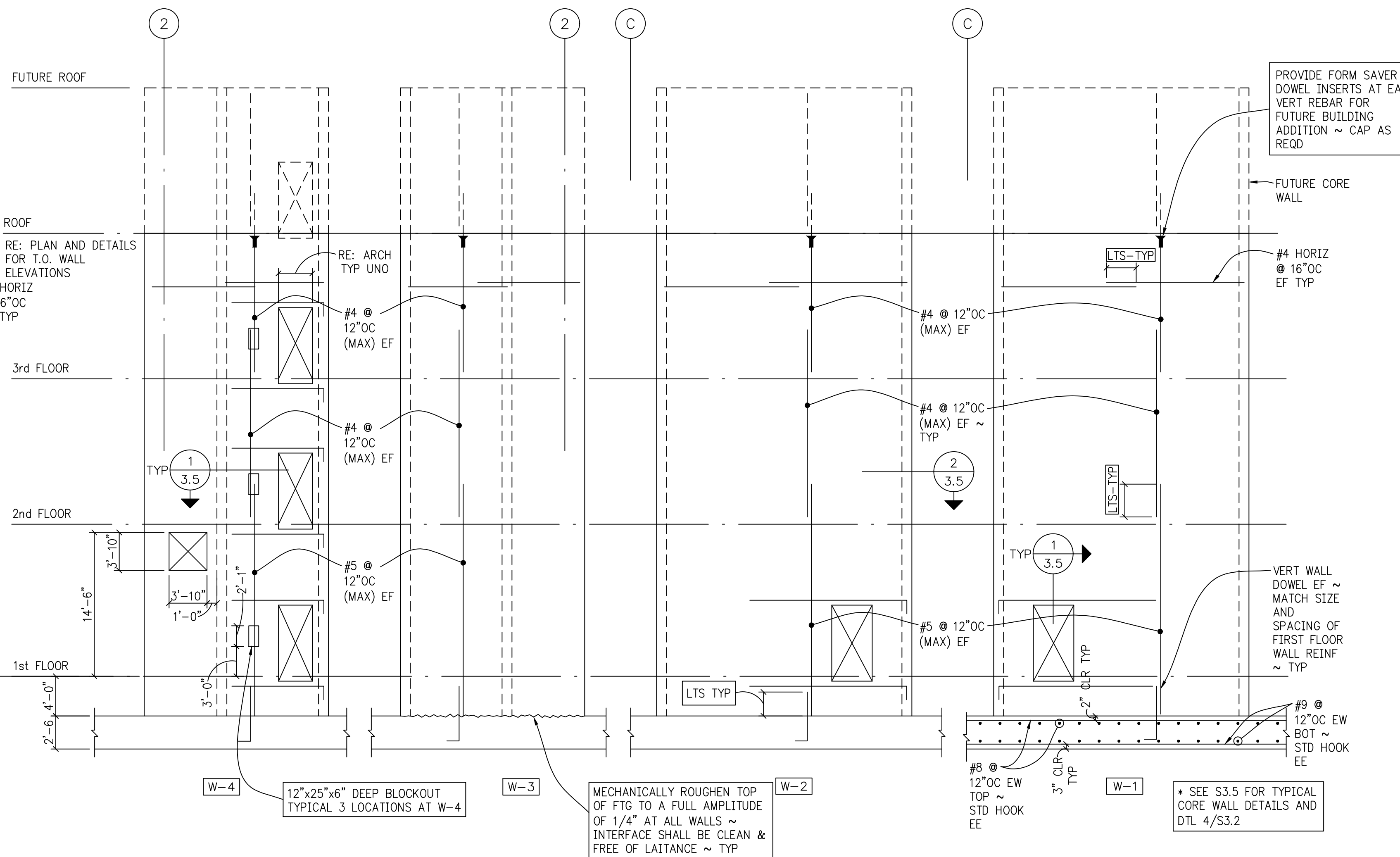
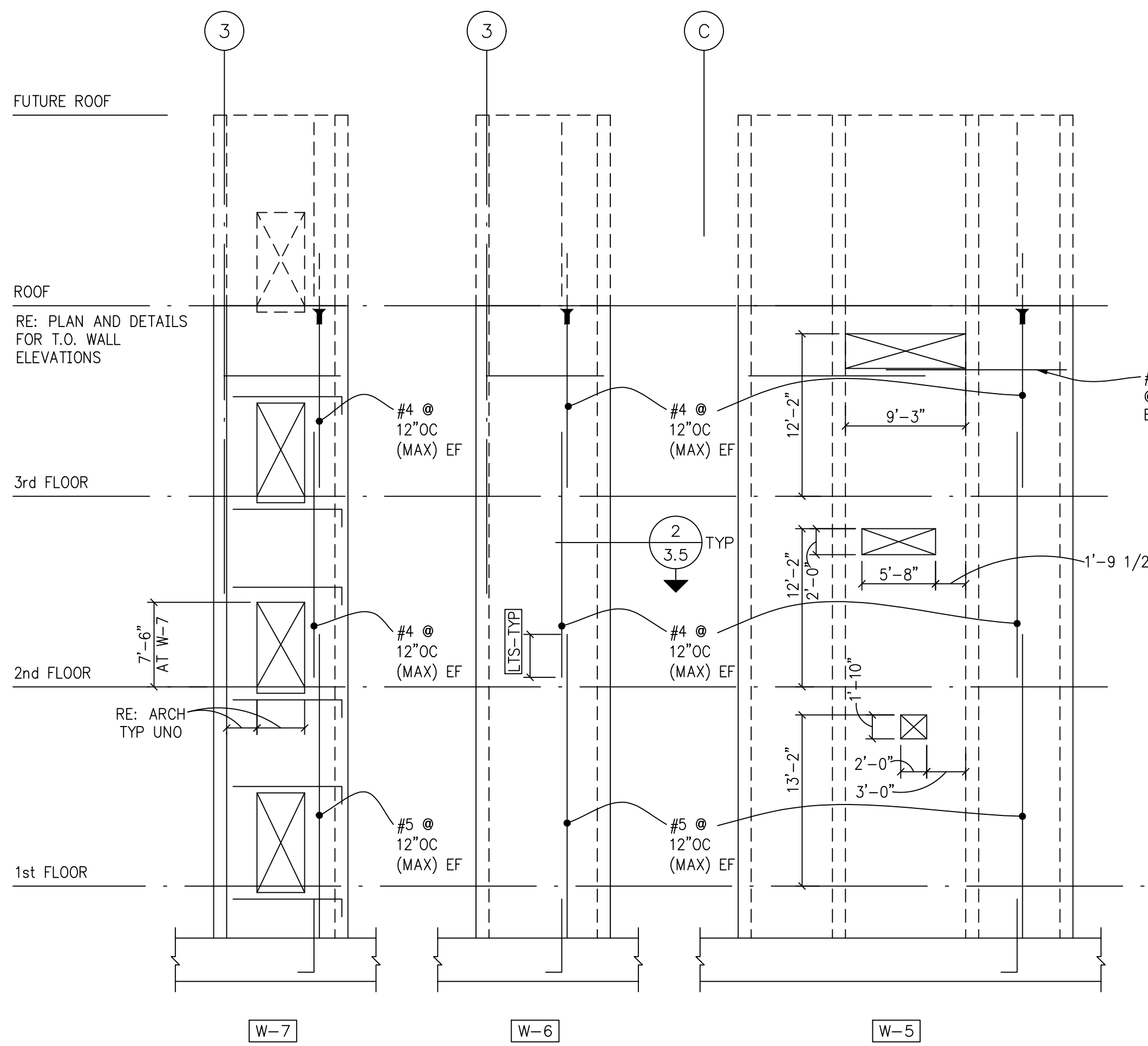
REVISIONS:	
ADDENDUM 004	04/28/04
RECORD DRAWINGS	12/04/06

DRAWING TITLE:
**CORE WALL SECTIONS
AND ELEVATIONS**

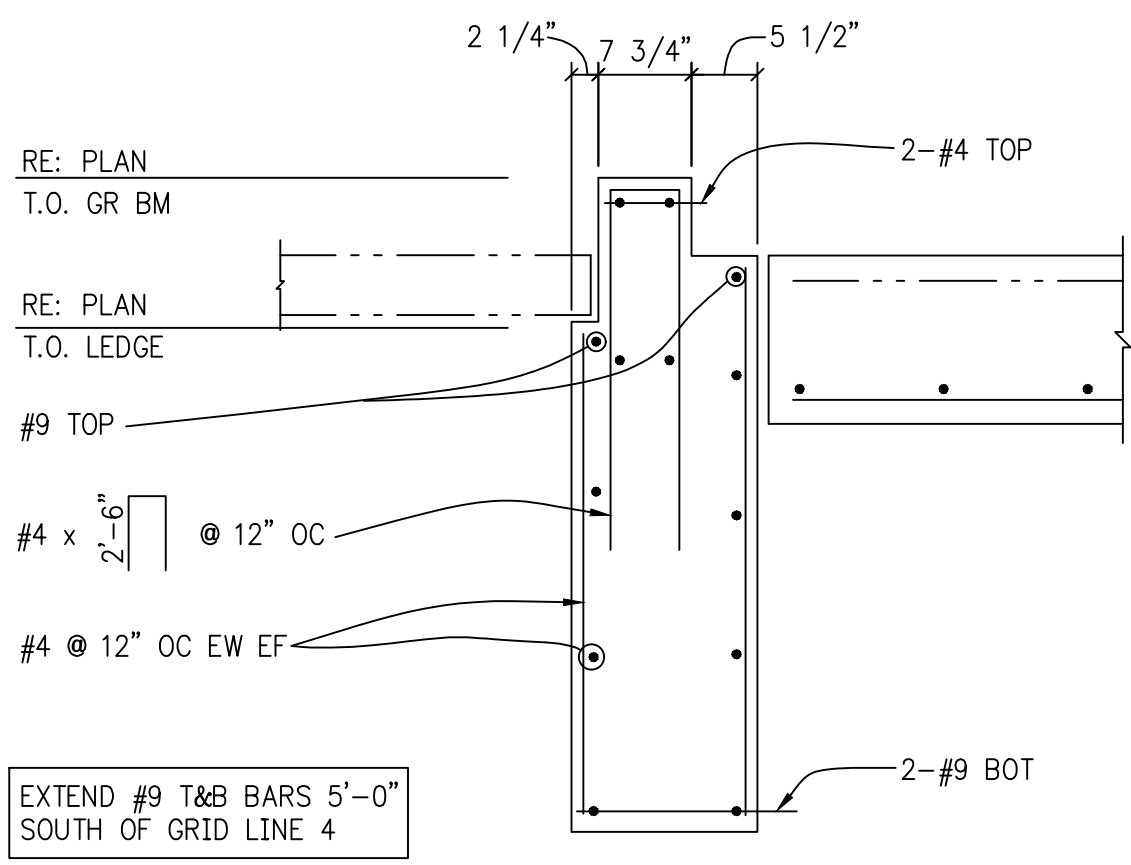
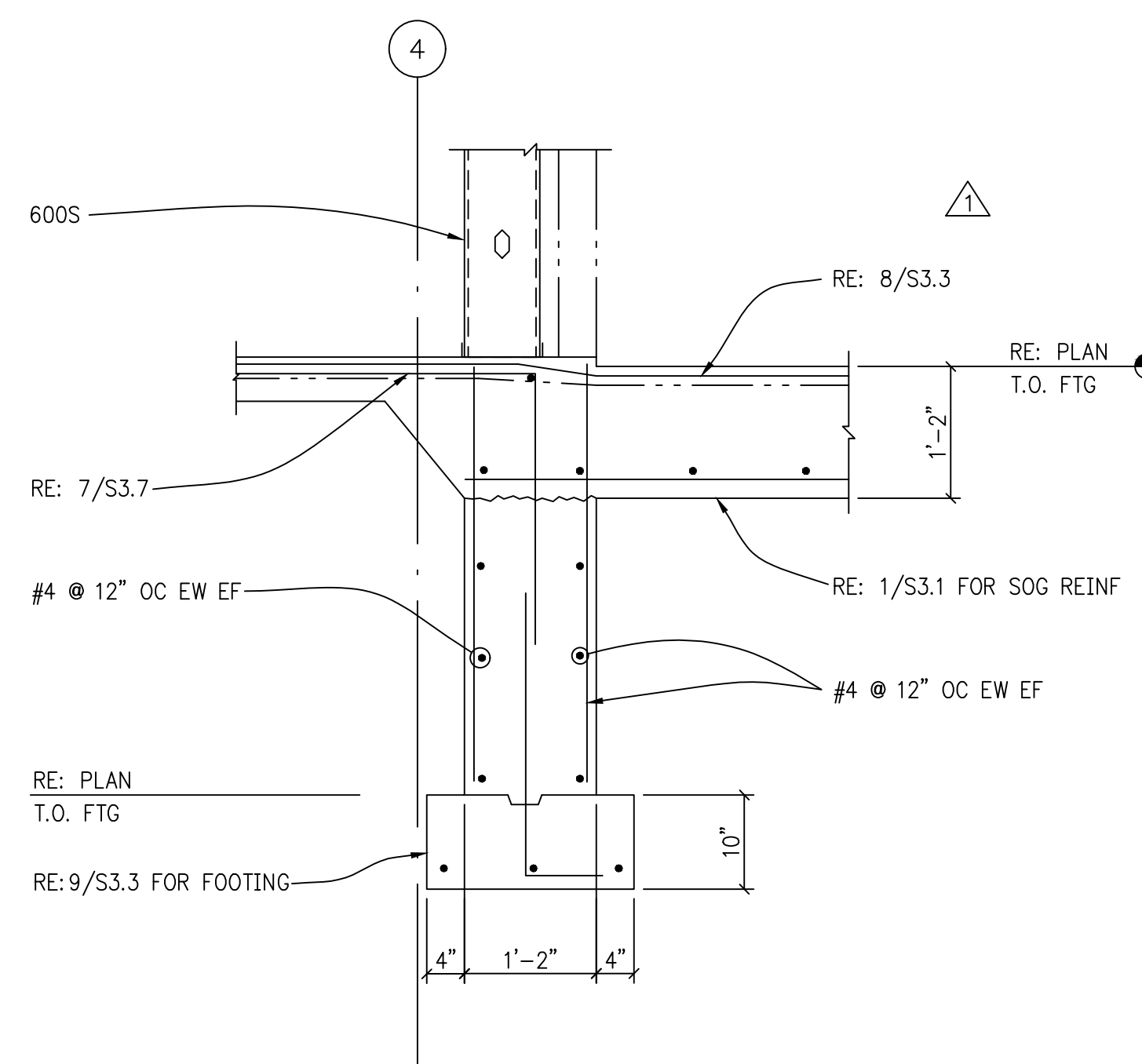
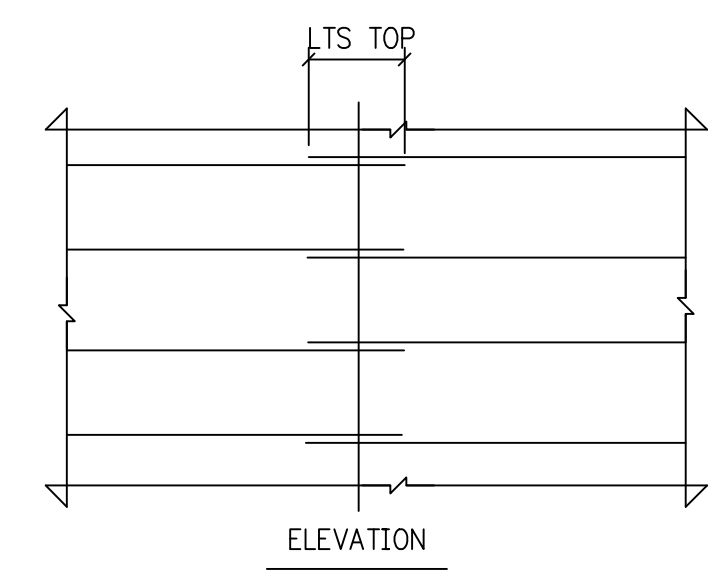
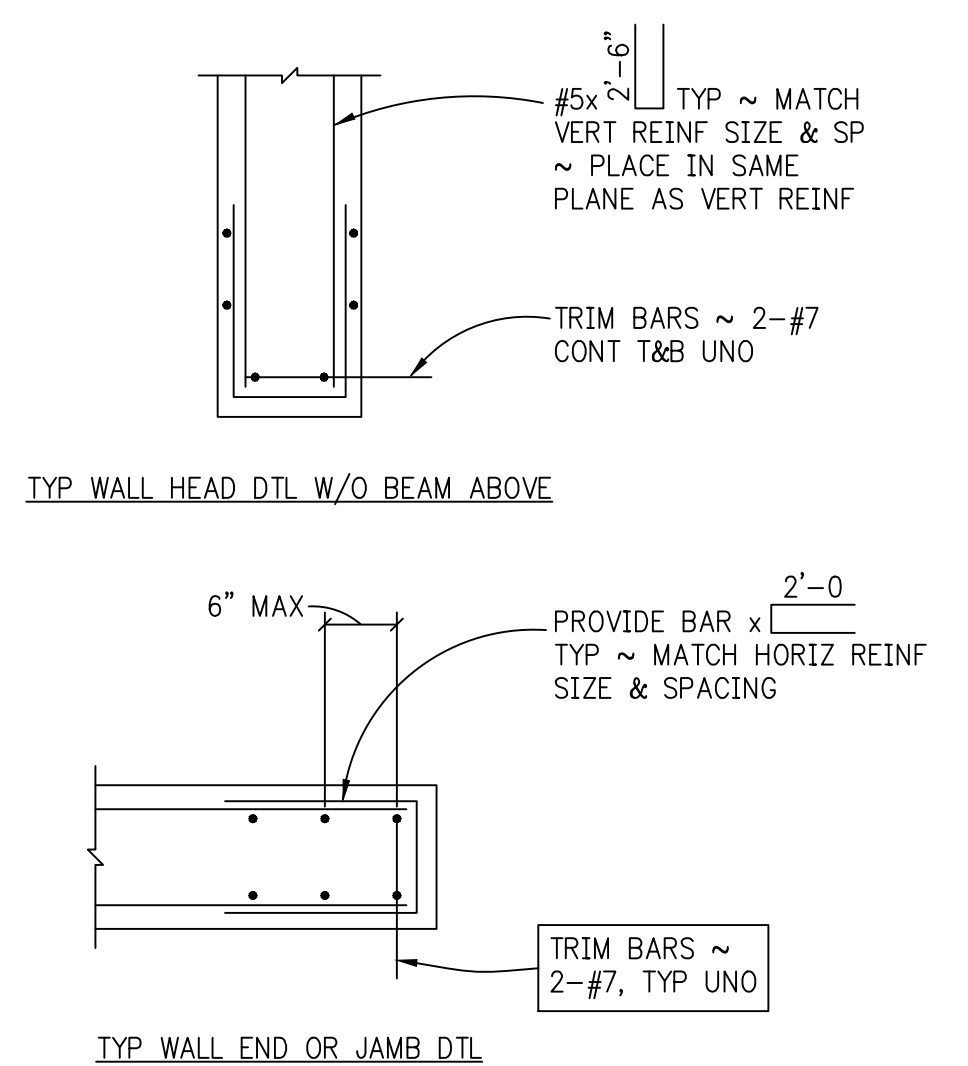
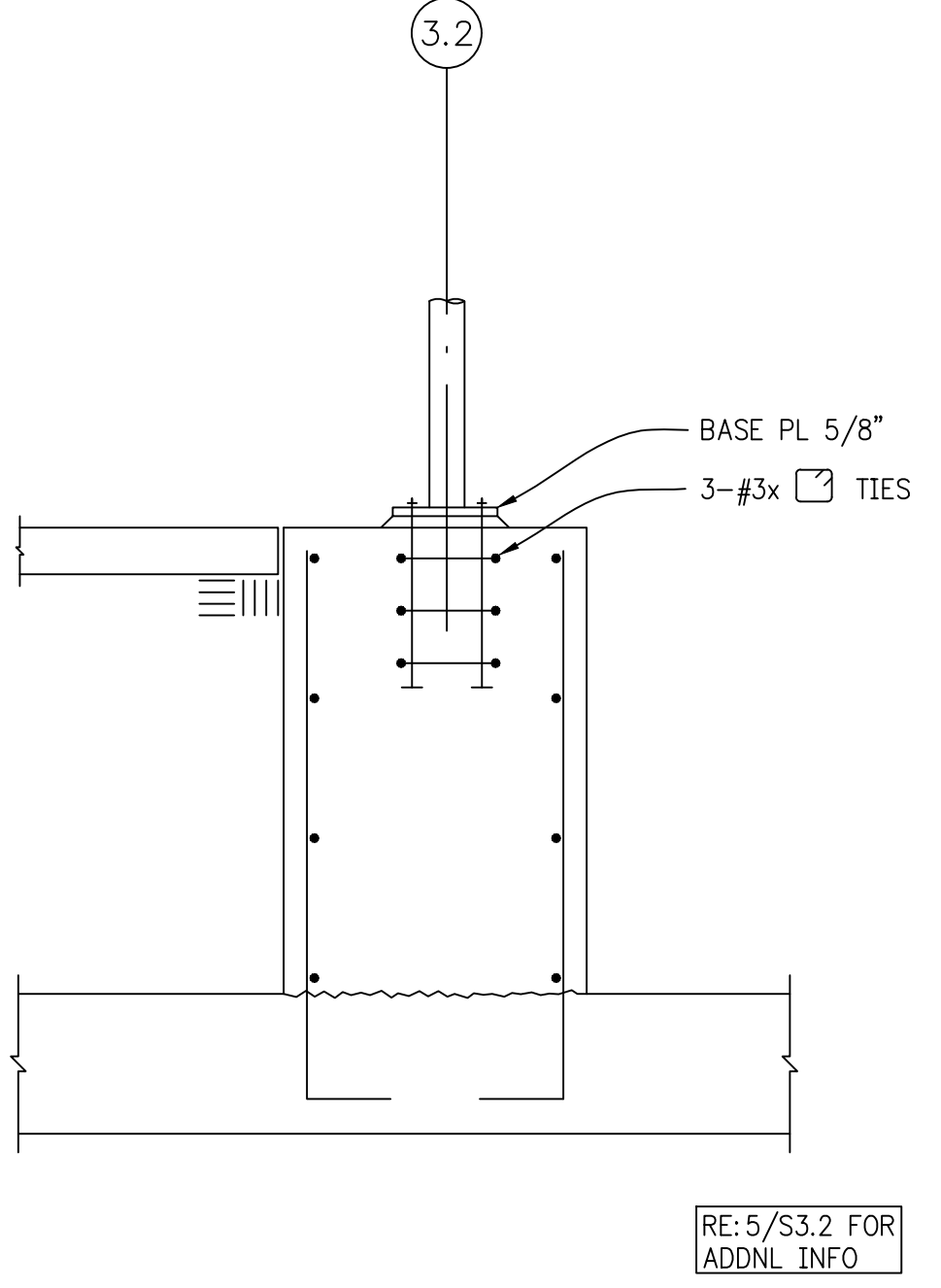
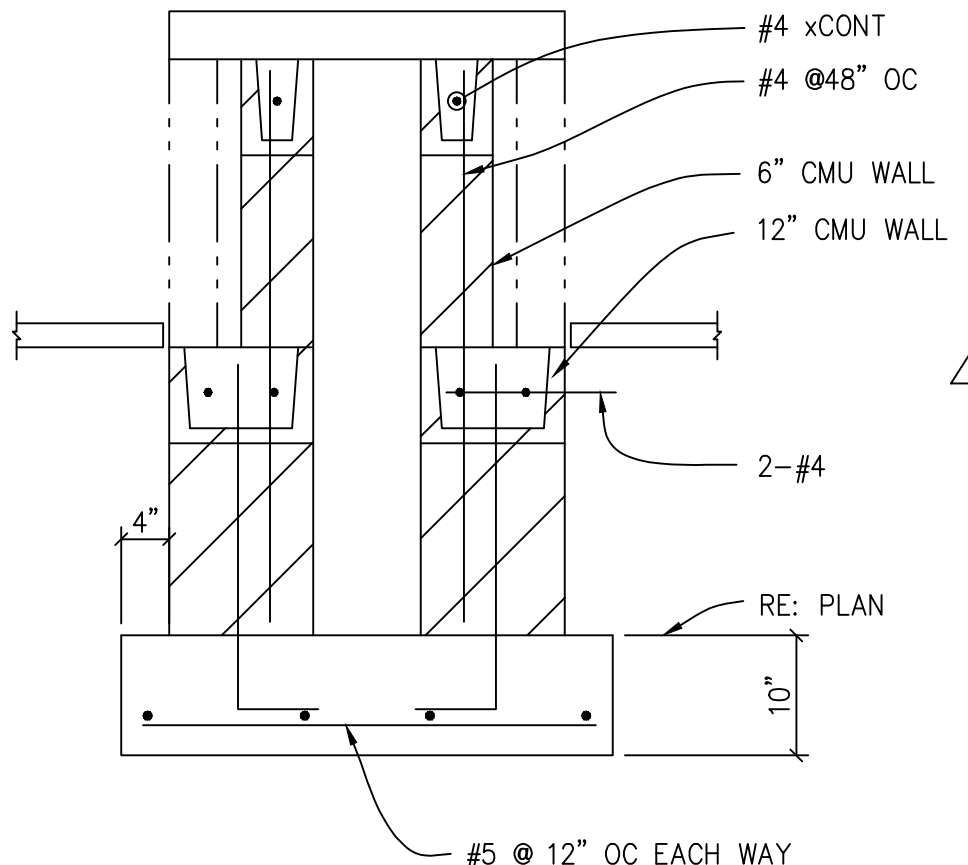
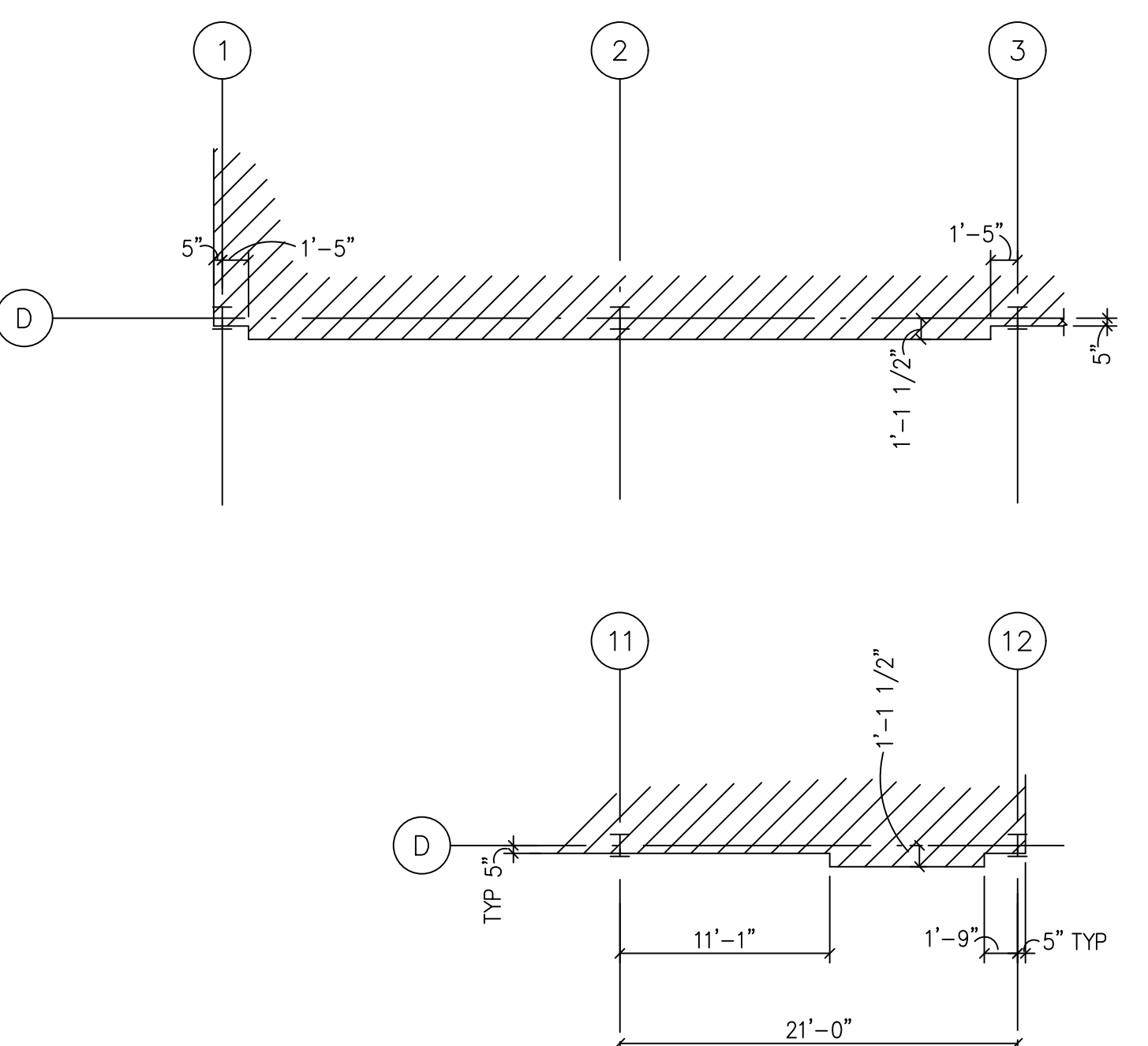
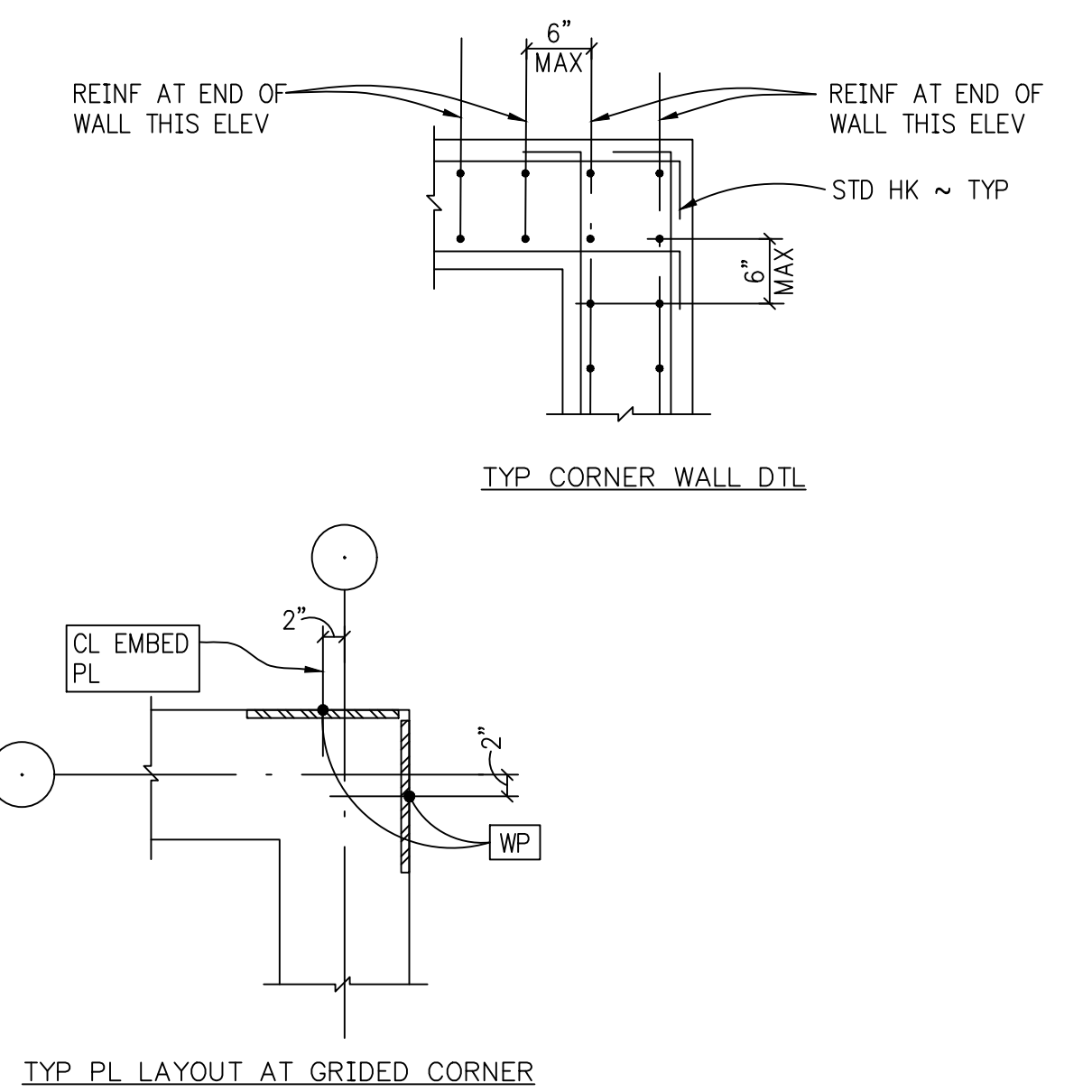
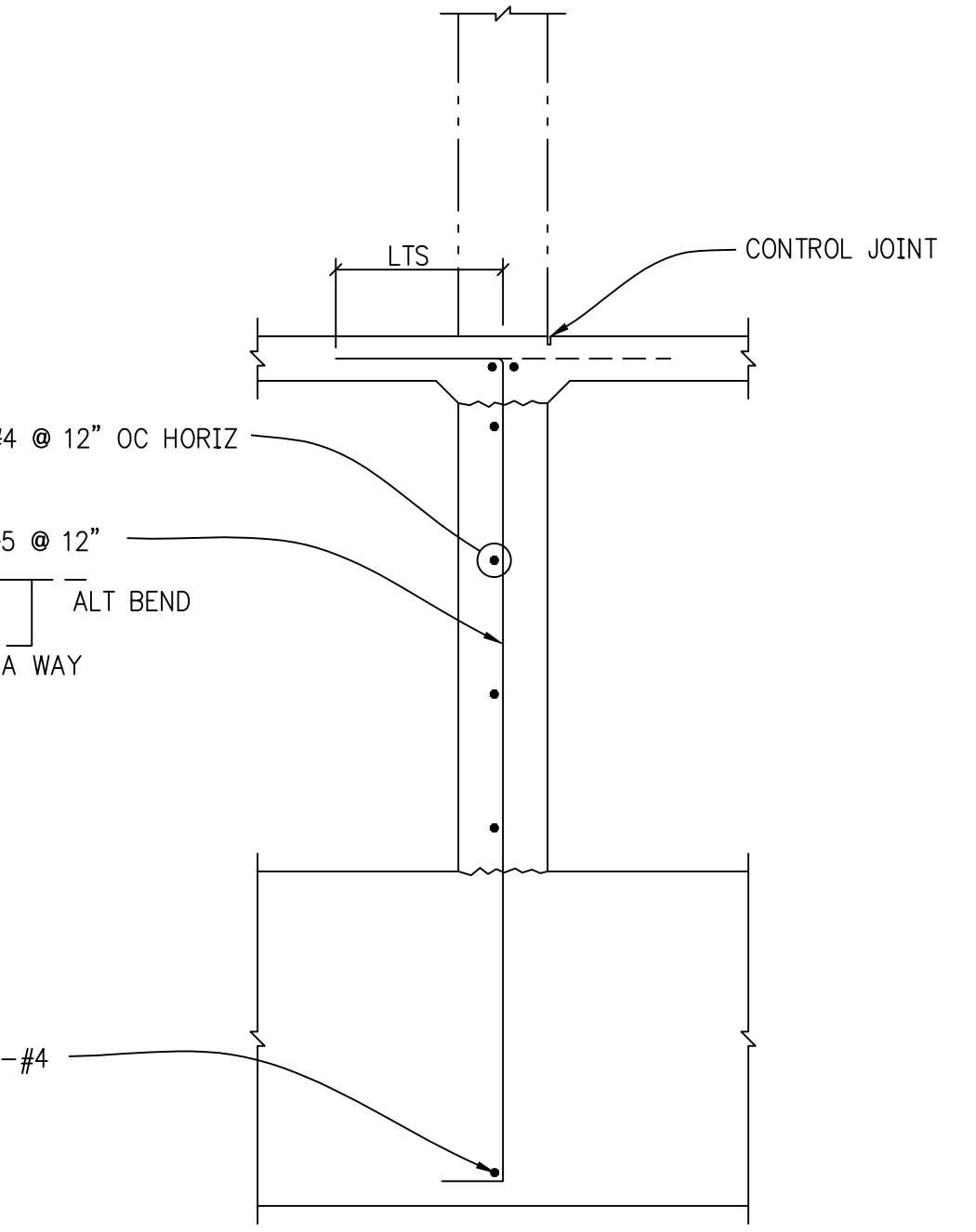
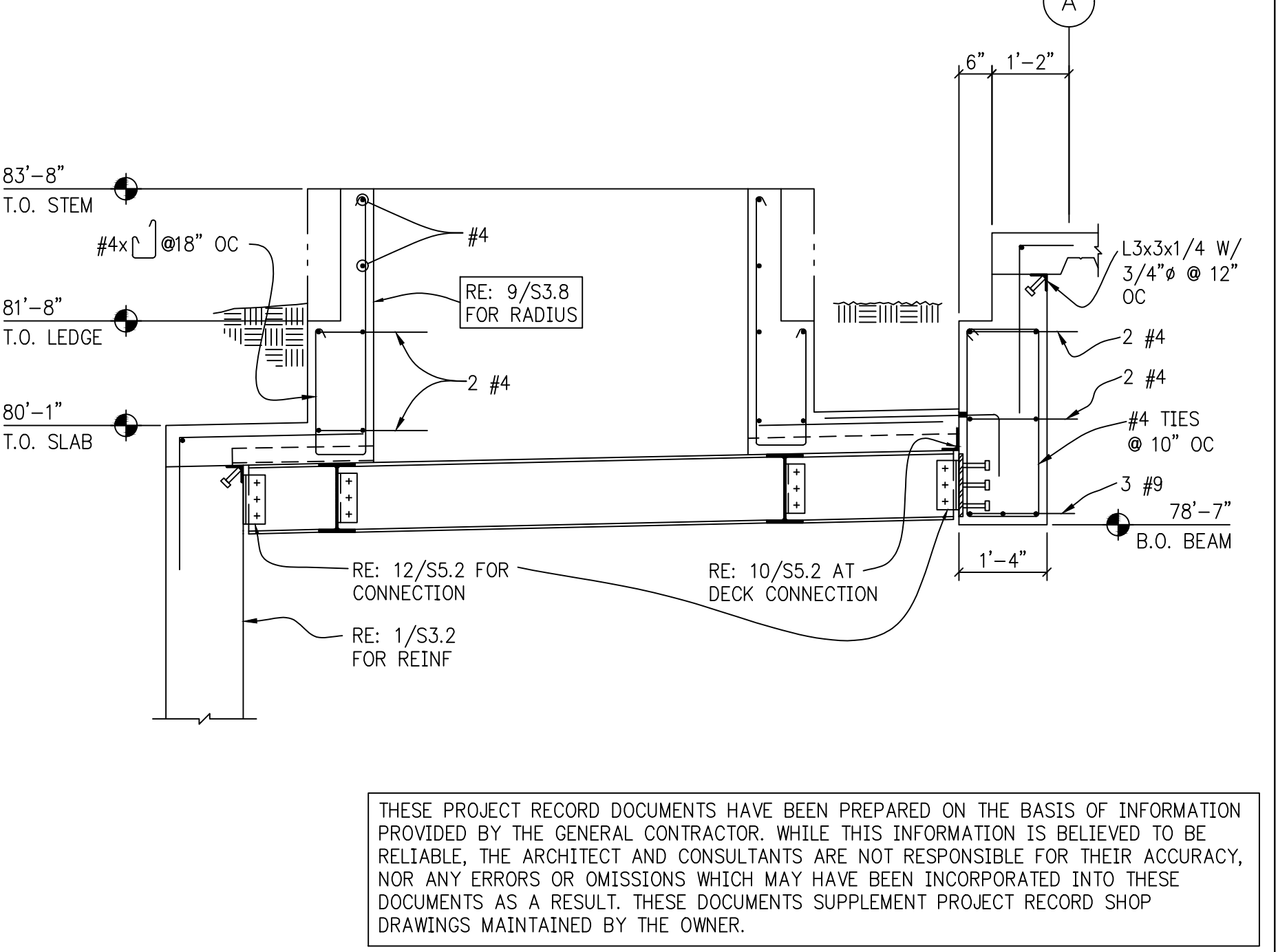
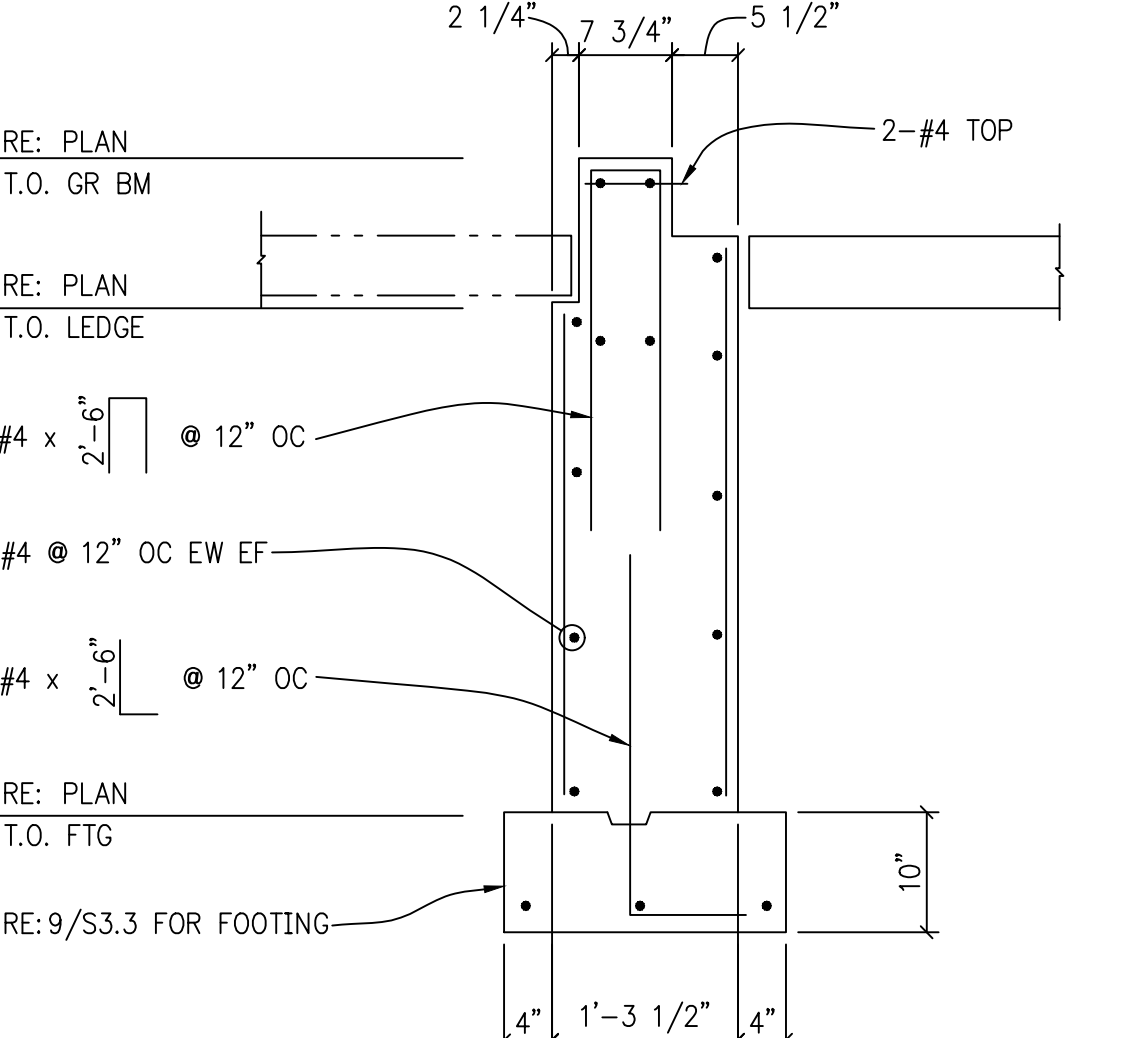
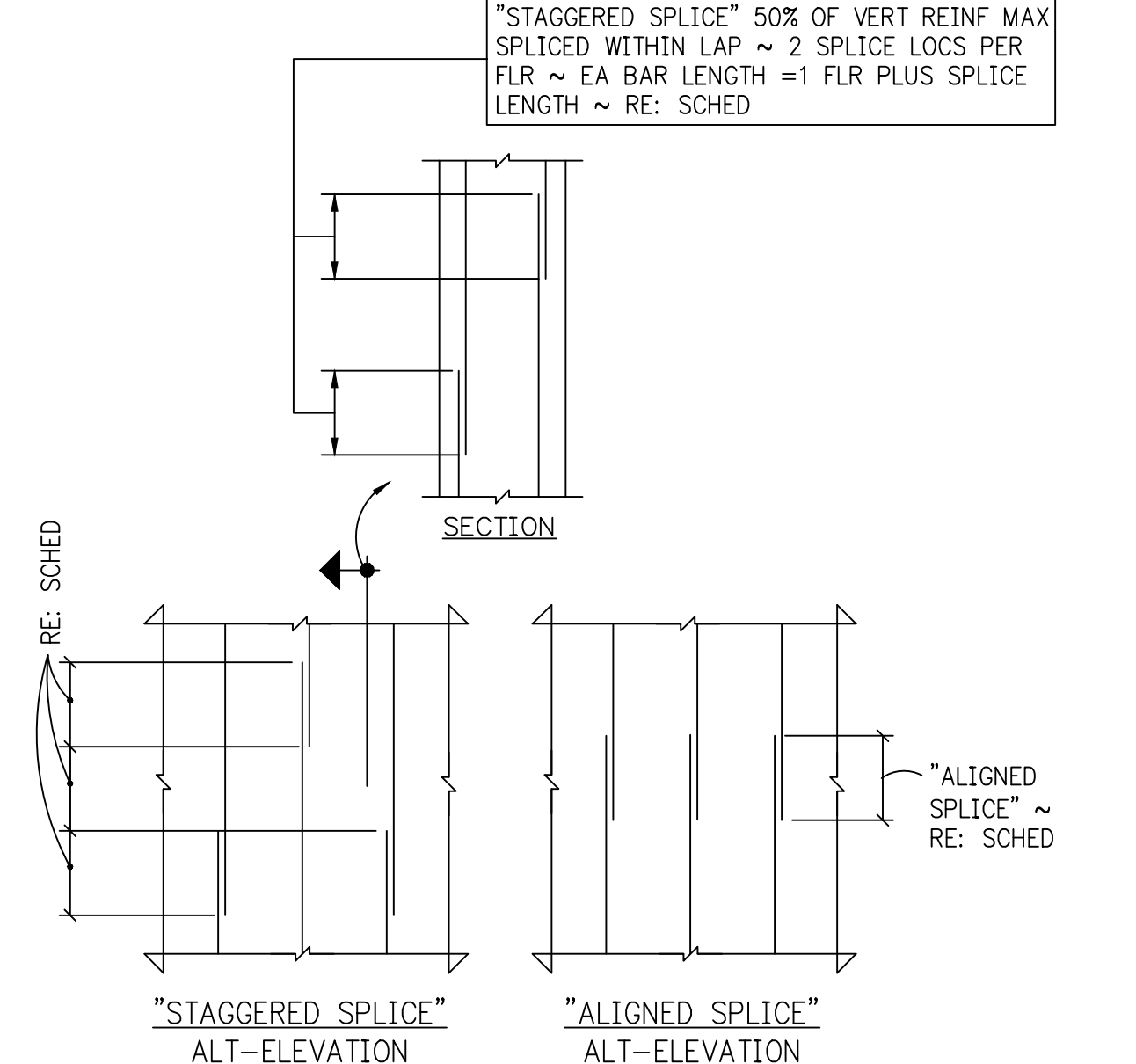


DATE: 06.21.04
PHASE: 100% CD
JOB NUMBER: 0302
DRAWING NUMBER:

S3.4
100% CD SET



PROJECT:	LAZZARA ORAL HEALTH UCCHS
PROJECT NO.:	15827.S.01
SHEET NO.:	LOH-S3.5.dwg
DESIGNED BY:	regmrid
DRAWN BY:	LAO
DATE:	Wed, 06 Dec 2006 - 4:29pm

		3/4"=1'-0	GRADE BEAM	10			7			4			1
		3/4"=1'-0	SECTION AT STAIR NO. 4	11			8			5			2
		3/4"=1'-0	SECTION AT STAIR NO. 4	12			9			6			3

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LANDSCAPE ARCHITECT:
Insite Design

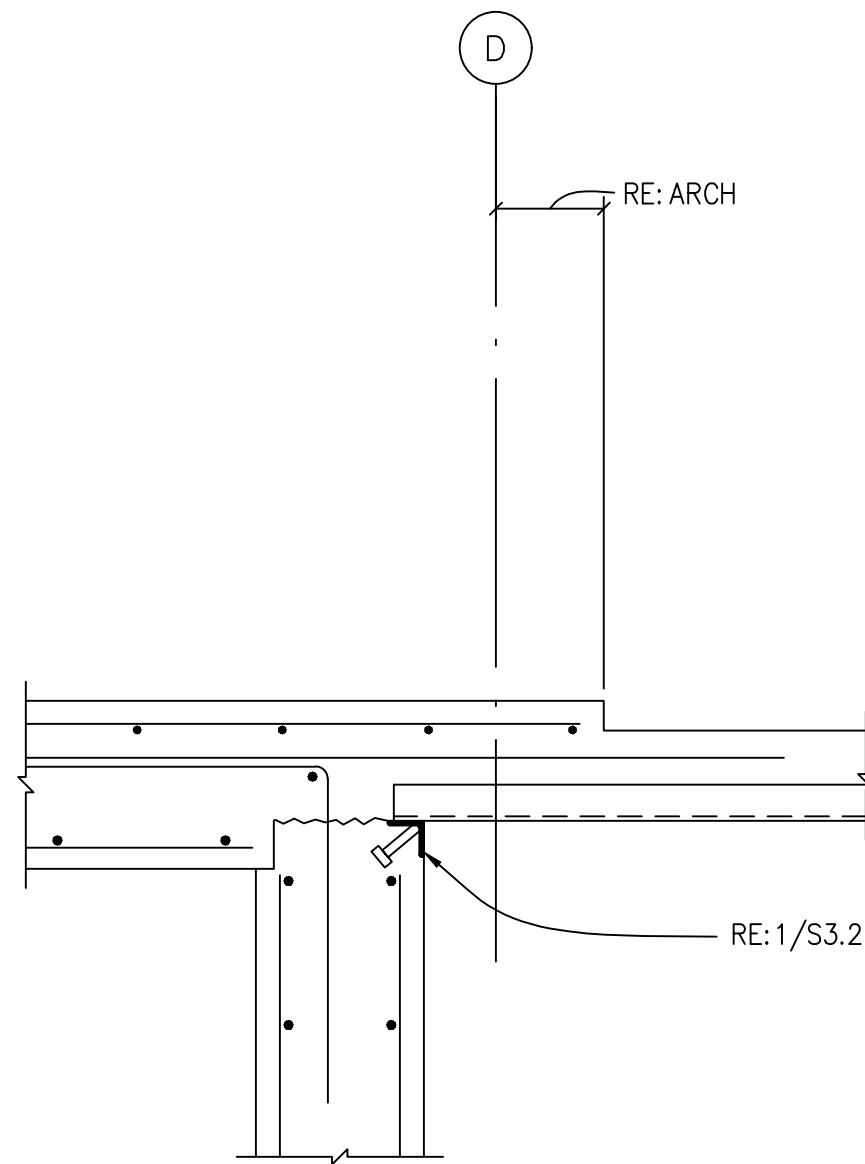
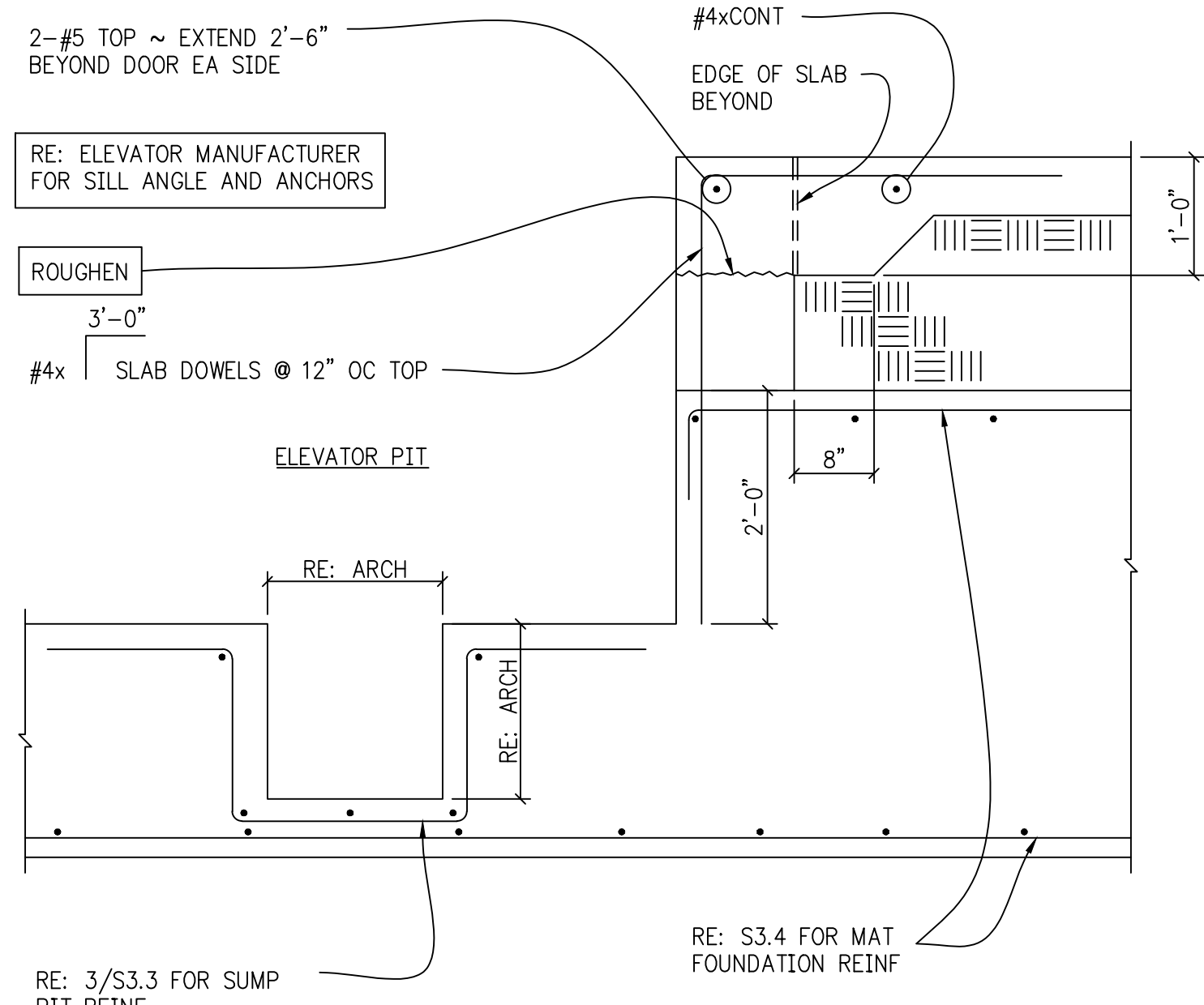
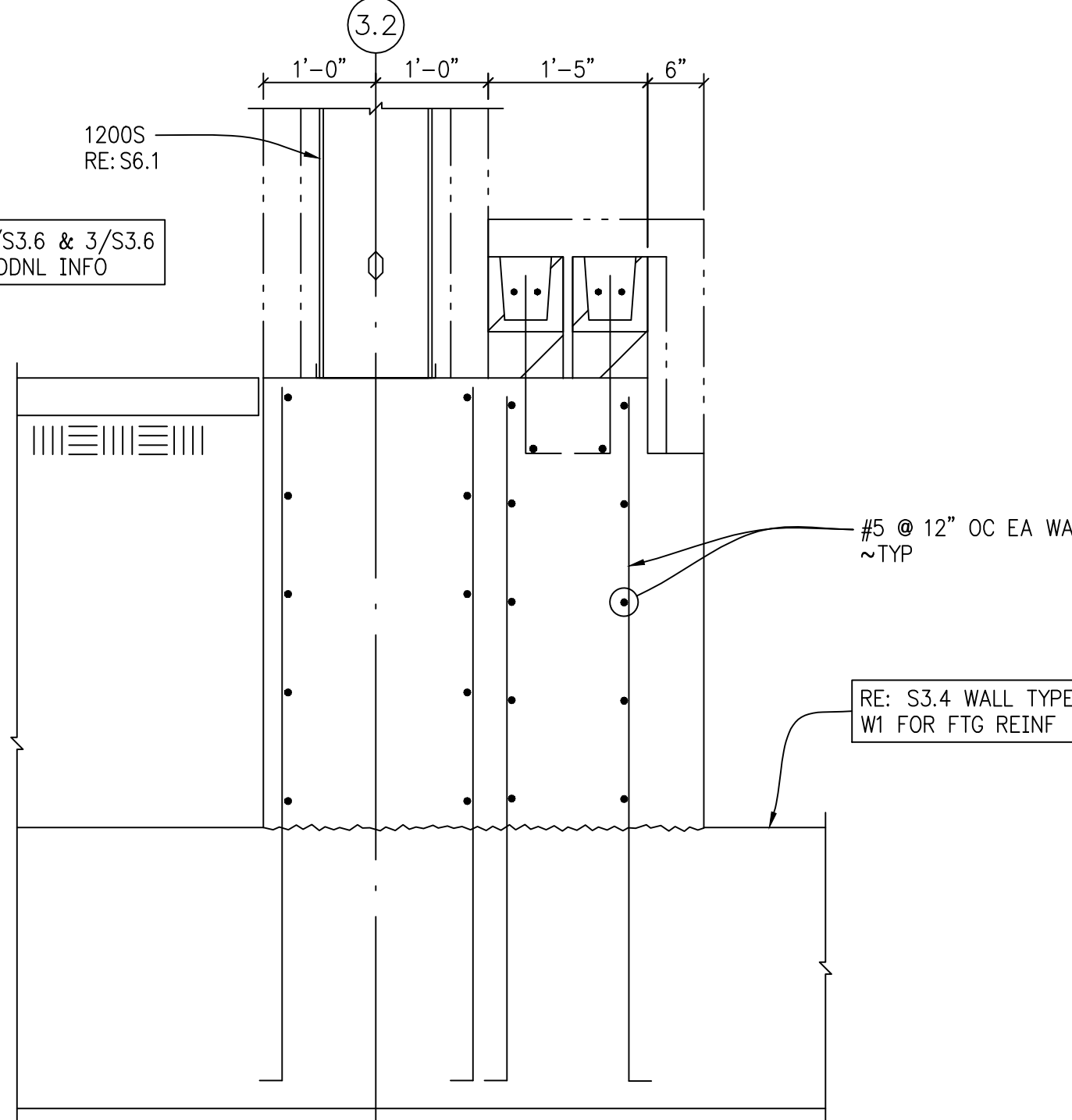
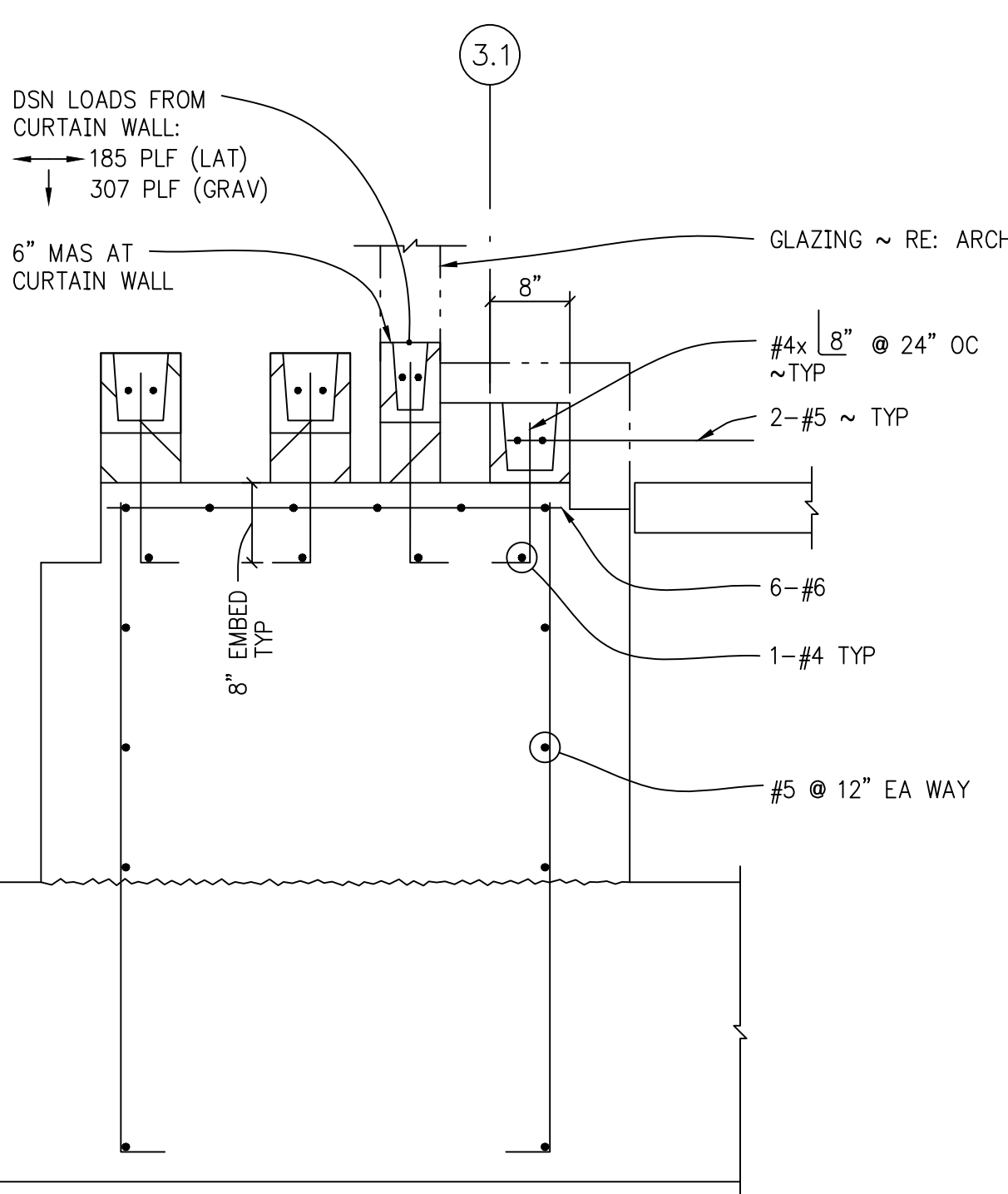
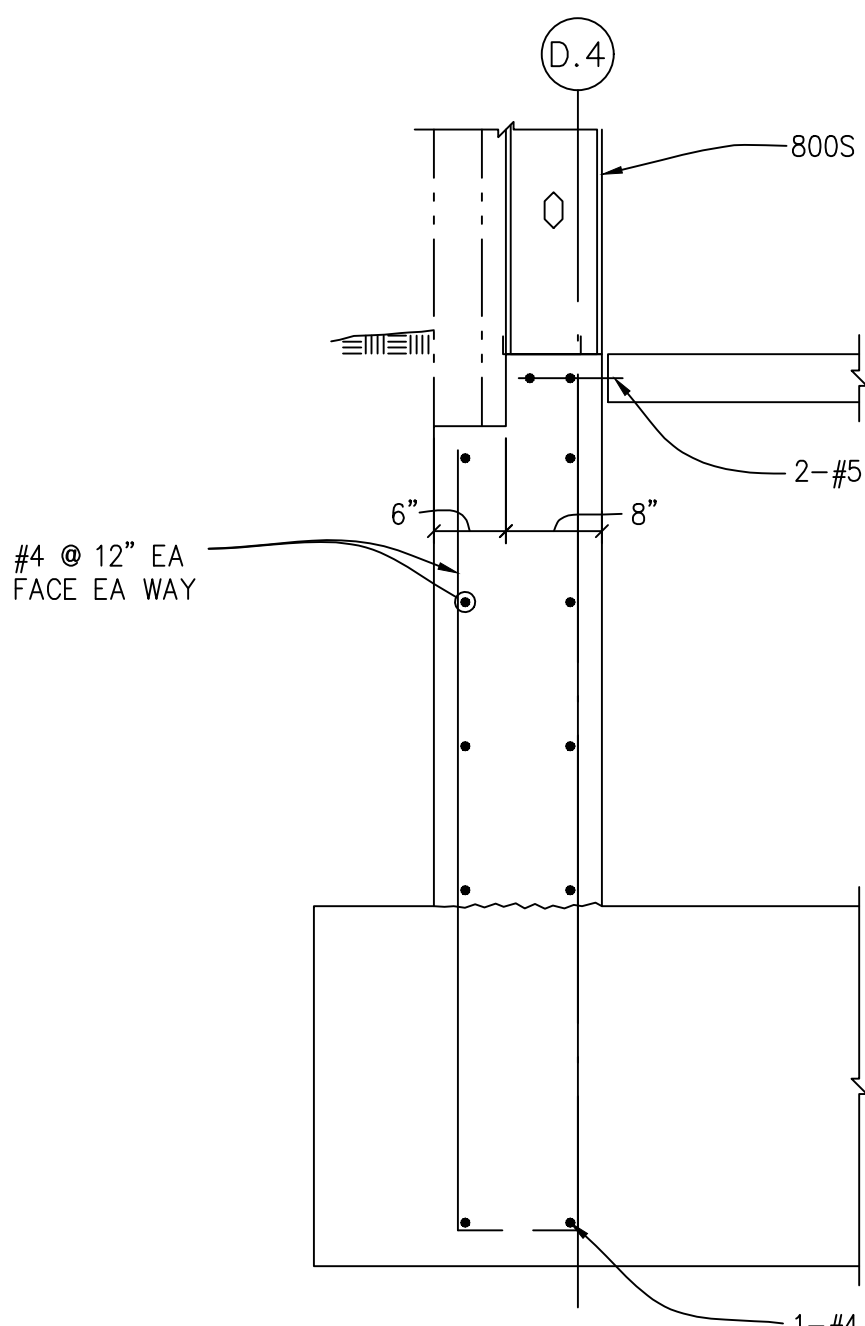
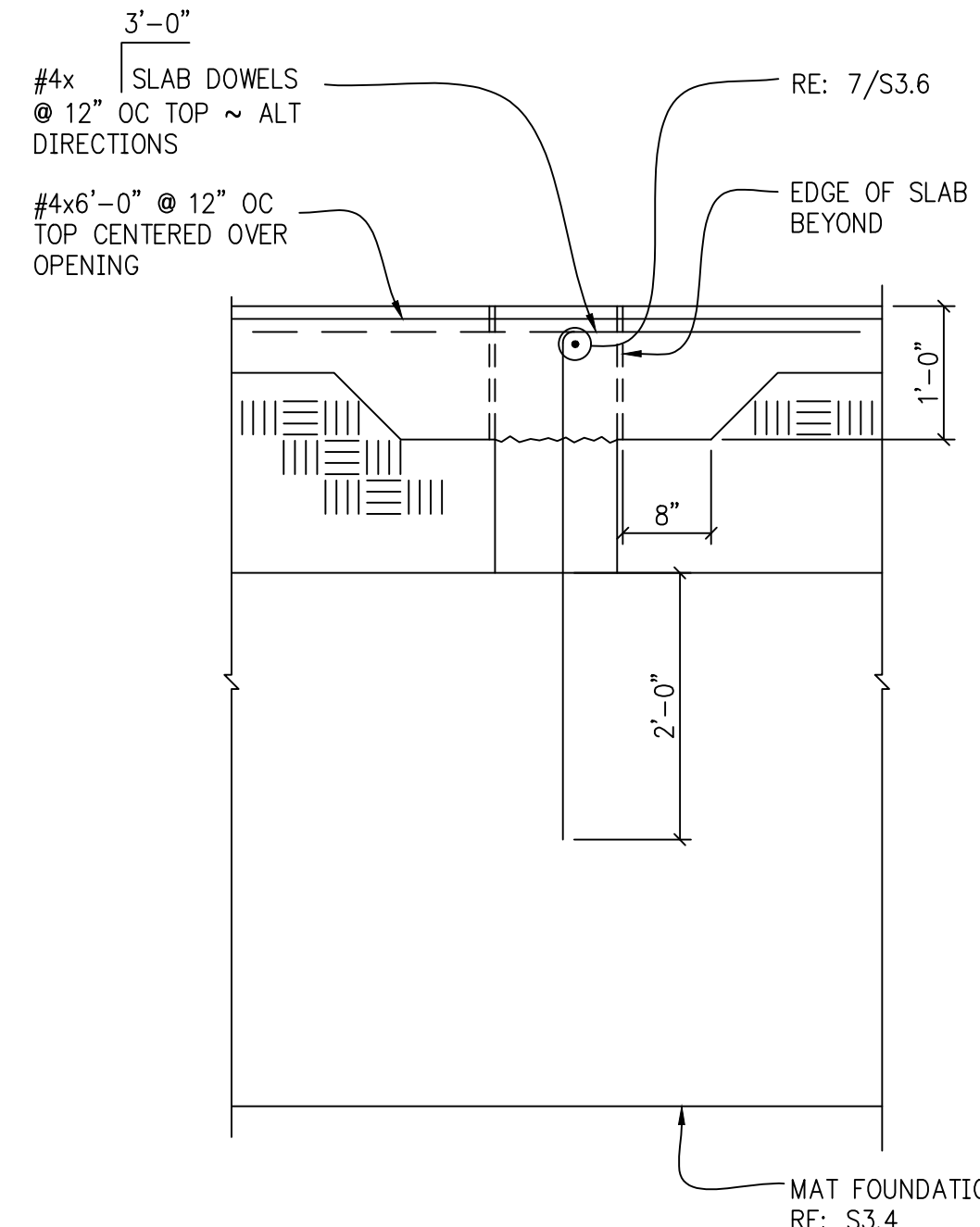
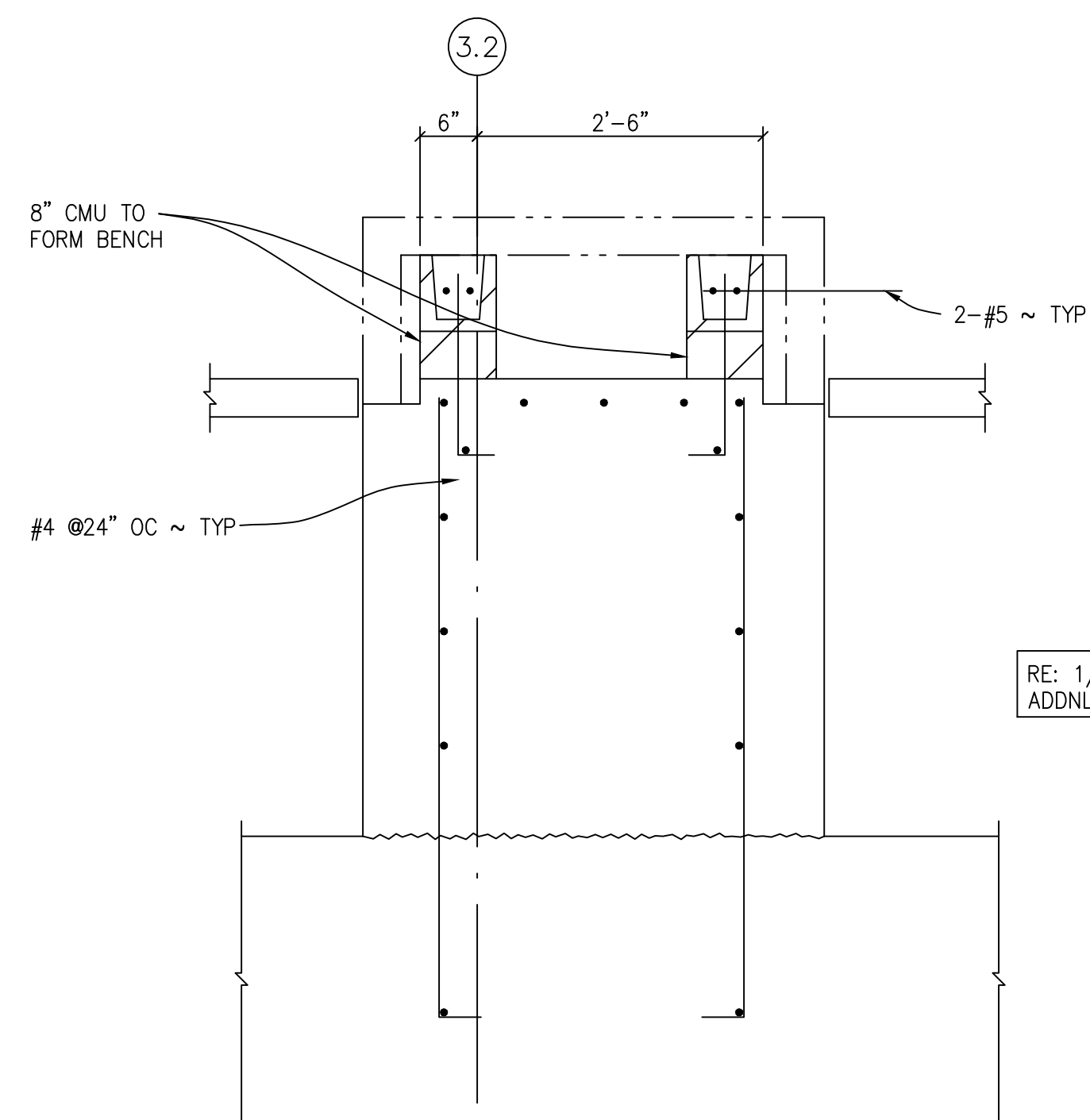
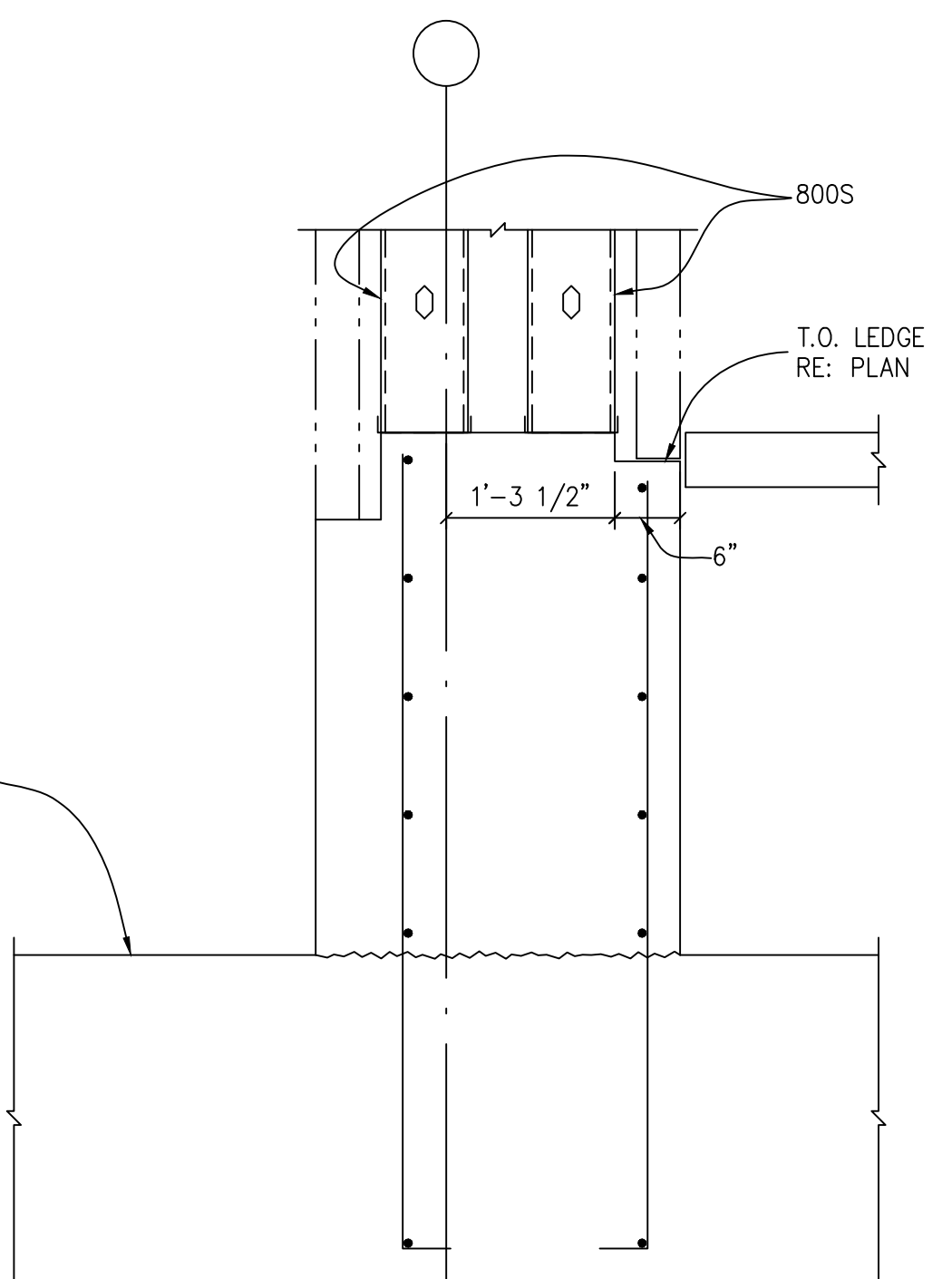
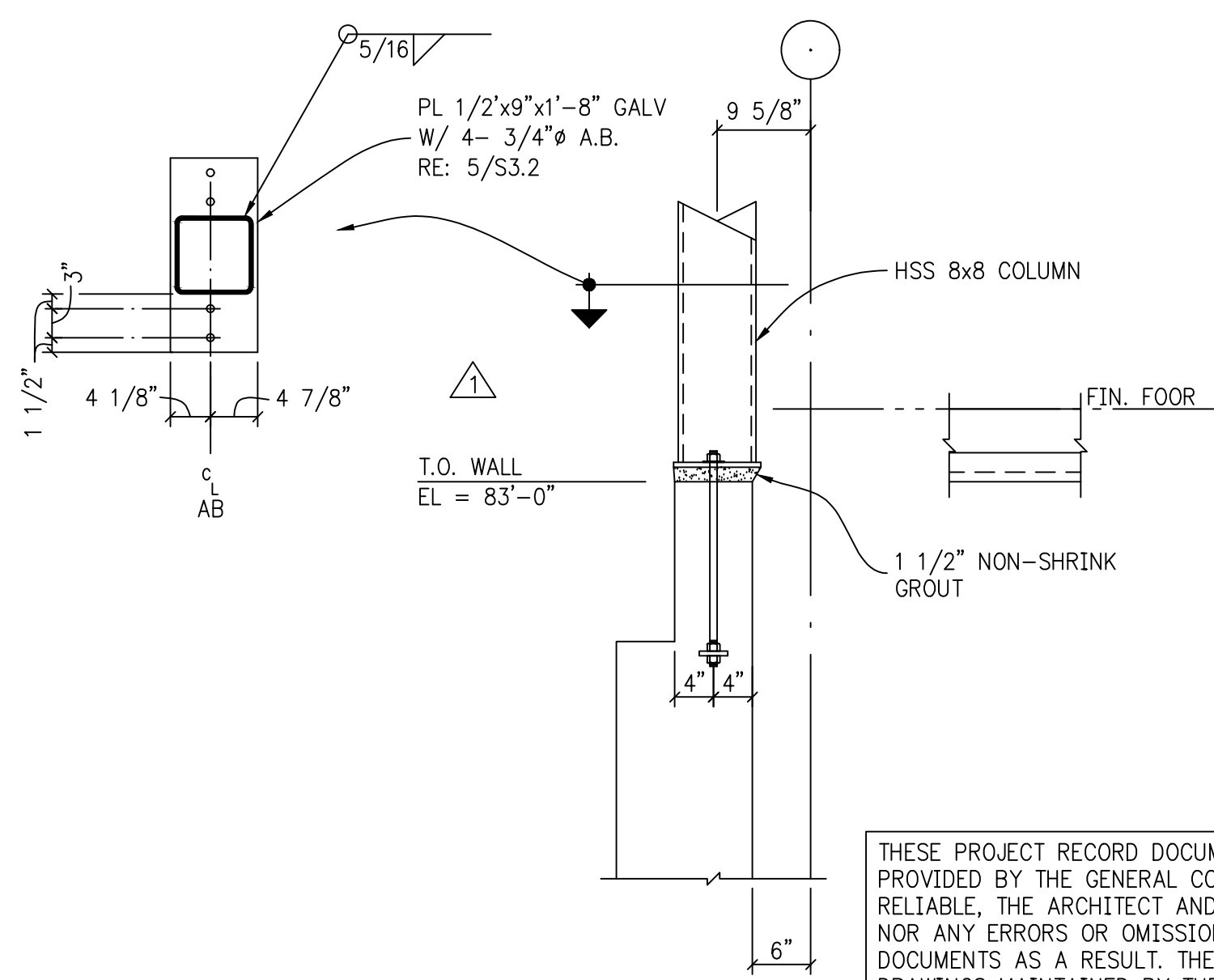
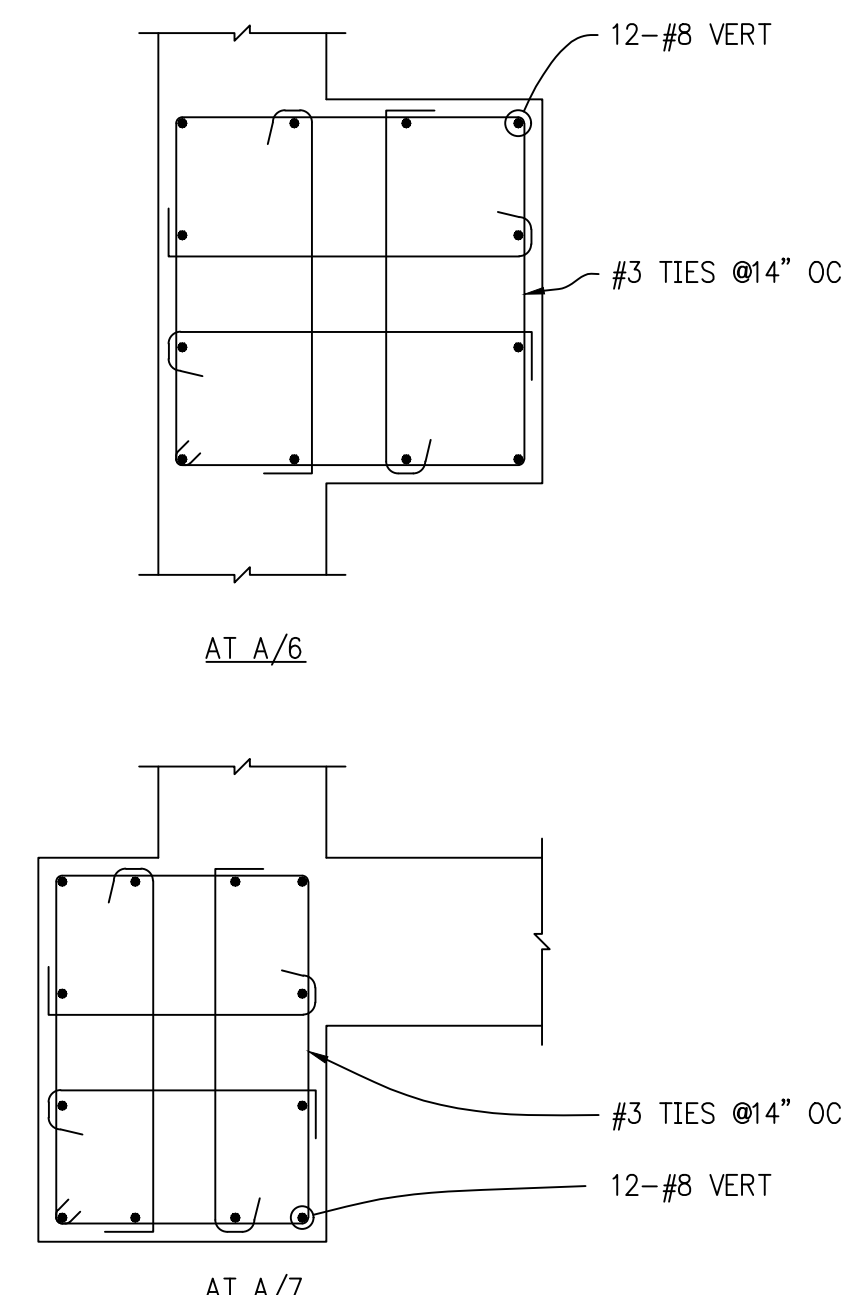
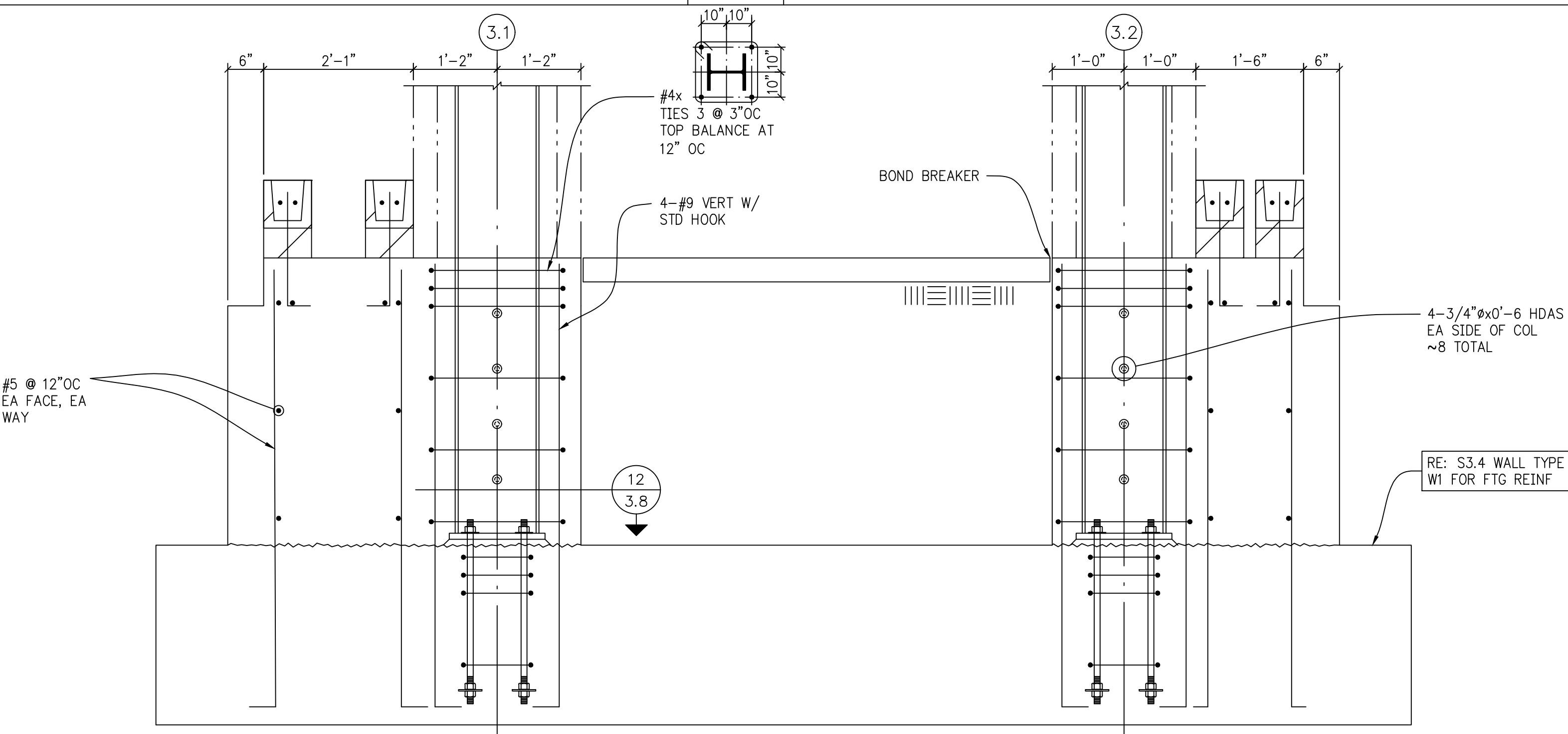
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OWNER SIGNATURE DATE
DRAWN BY: T.LACK
CHECKED BY: P.DOAK
FILE TITLE:

REVISIONS:
ADDENDUM 004 04/28/04
RECORD DRAWINGS 12/04/06
REVISIONS:
REVISIONS:
REVISIONS:

DRAWING TITLE:
CORE WALL SECTIONS AND DETAILS
0" 1/4" 1/2" 1" 1 1/2" 2" 3" 4"
DATE: 06.21.04
PHASE: 100% CD
JOB NUMBER: 0302
DRAWING NUMBER:

S3.5
100% CD SET

PROJECT:	LAZZARA ORAL HEALTH UCCHS	PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK	SHEET NO.:	LOH-S36.dwg
DESIGNED BY:	—	EDITED BY:	regmnd
DRAWN BY:	LAO	EDITED ON:	Wed, 06 Dec 2006 - 4:30pm

		10			7			4			1
NO SCALE	SECTION		3/4"=1'-0"	ELEVATOR PIT AT CORE #3		NO SCALE	SECTION		3/4"=1'-0"	SECTION	
		11			8			5			2
3/4"=1'-0"	SECTION		3/4"=1'-0"	THRESHOLD AT CORE #3		NO SCALE	SECTION		3/4"=1'-0"	SECTION AT STAIR #4 GRADE BEAM	
		12			9			3			
3/4" = 1'-0"	GRIT CONN		3/4"=1'-0"	SECTION		3/4"=1'-0	SECTION		3/4"=1'-0	SECTION	

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IN ASSOCIATION WITH

Bohlin Cywinski Jackson

ARCHITECTURE PLANNING INTERIOR DESIGN

STRUCTURAL ENGINEER:

Martin/Martin

MECHANICAL/ELECTRICAL ENGINEER:

Cator, Ruma & Assoc.

CIVIL ENGINEER:

S.A. Miro, Inc.

LANDSCAPE ARCHITECT:

Insite Design

OWNER APPROVAL:

OWNER SIGNATURE DATE

DRAWN BY: T.LACK

CHECKED BY: P.DOAK

FILE TITLE:

REVISIONS:

ADDENDUM 004 04/28/04

RECORD DRAWINGS 12/04/06

DRAWING TITLE:

FOUNDATION DETAILS

0" 1/4" 1/2" 1" 1 1/2" 2" 3" 4"

DATE: 06.21.04

PHASE: 100% CD

JOB NUMBER: 0302

DRAWING NUMBER:

S3.6

100% CD SET

PROJECT:	LAZZARA ORAL HEALTH UCHHS	PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK	SHEET NO.:	LH-S37.dwg
DESIGNED BY:	—	EDITION BY:	regmnd
DRAWN BY:	LAO	DATE:	Wed, 06 Dec 2006 - 4:30pm

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MECHANICAL/ELECTRICAL ENGINEER:
Cator, Ruma & Assoc.
CIVIL ENGINEER:
S.A. Miro, Inc.
LANDSCAPE ARCHITECT:
Insite Design

OWNER APPROVAL:

OWNER SIGNATURE _____ DATE _____

DRAWN BY: _____ T.LACK
CHECKED BY: _____ P.DOAK

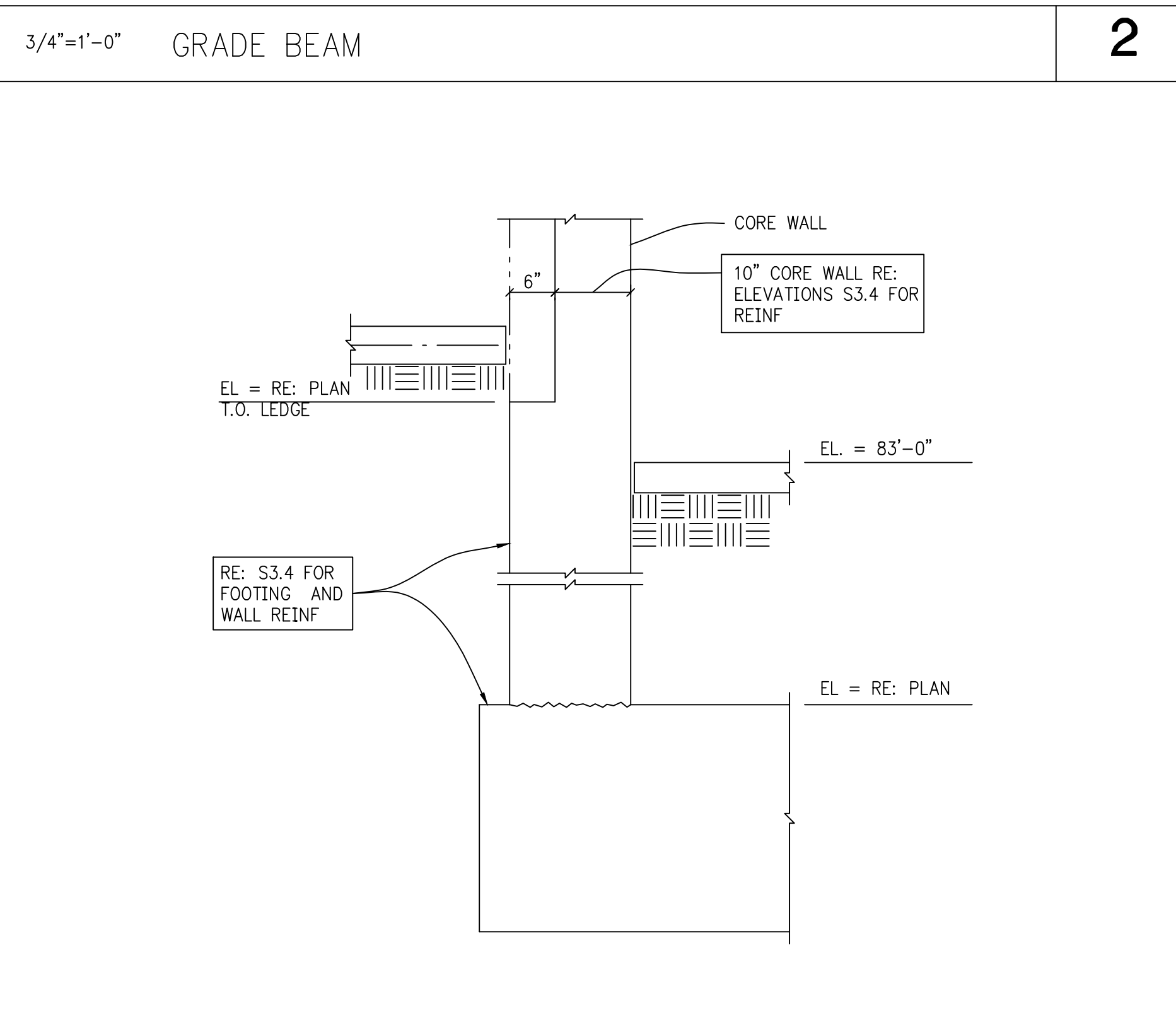
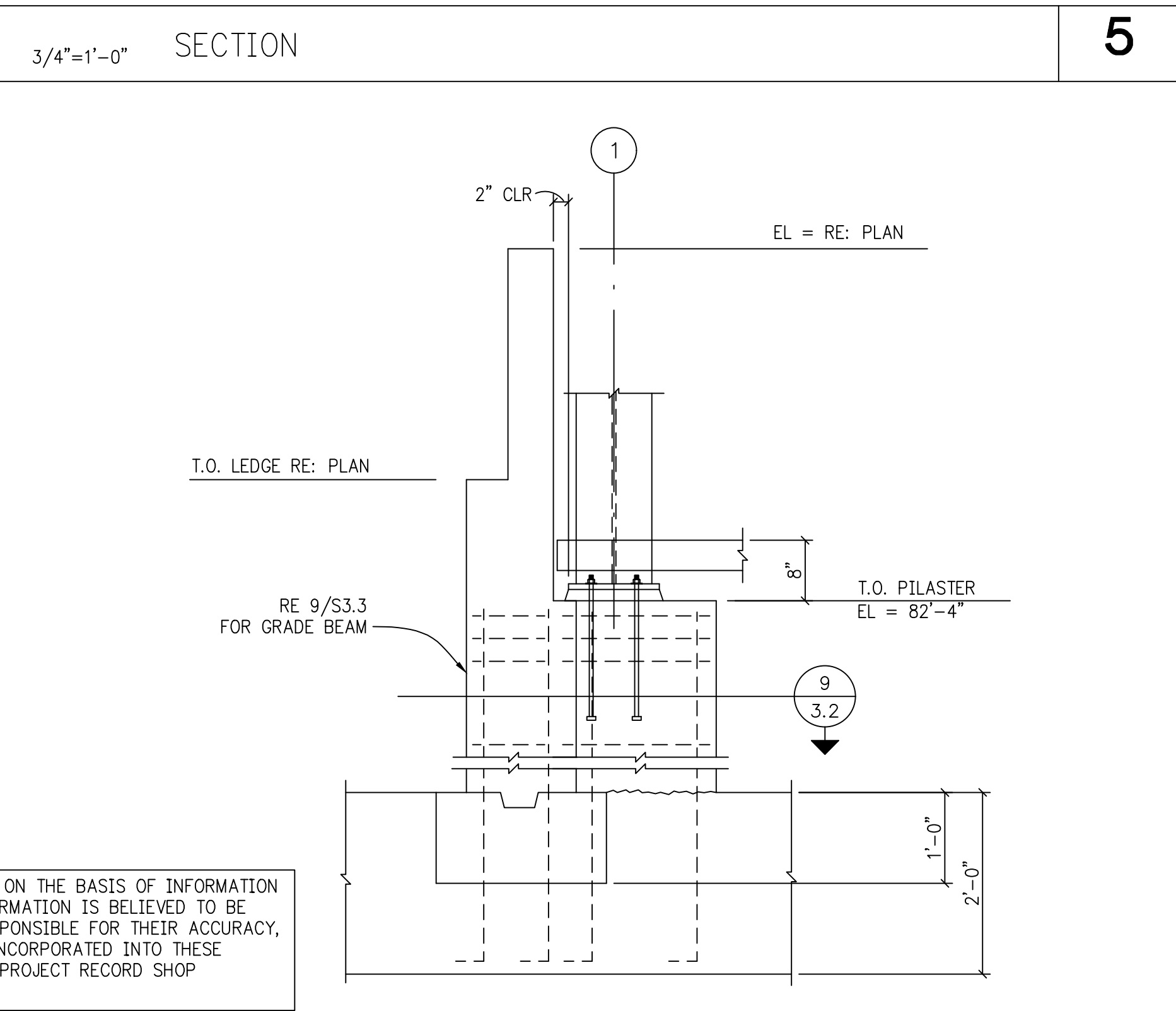
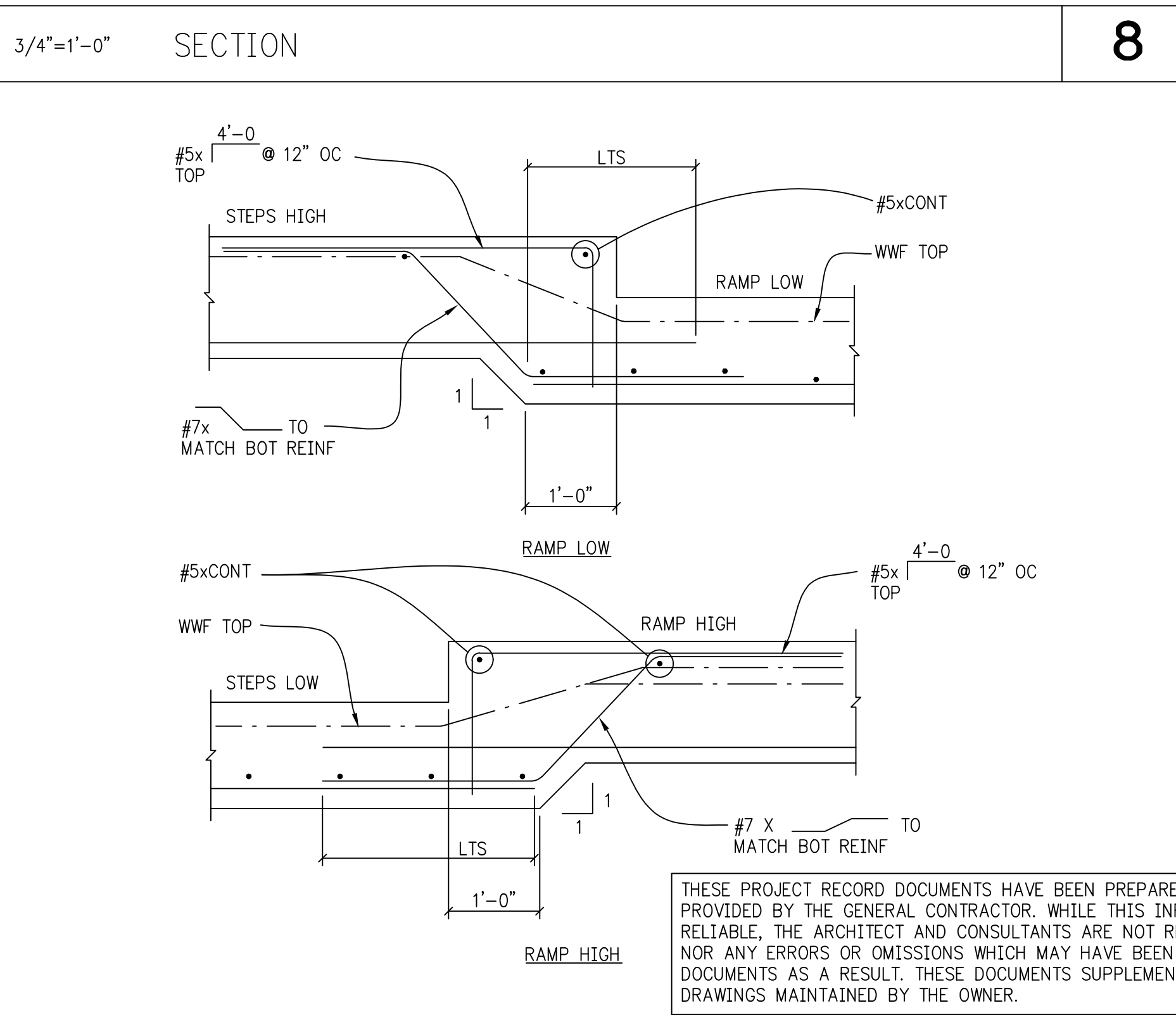
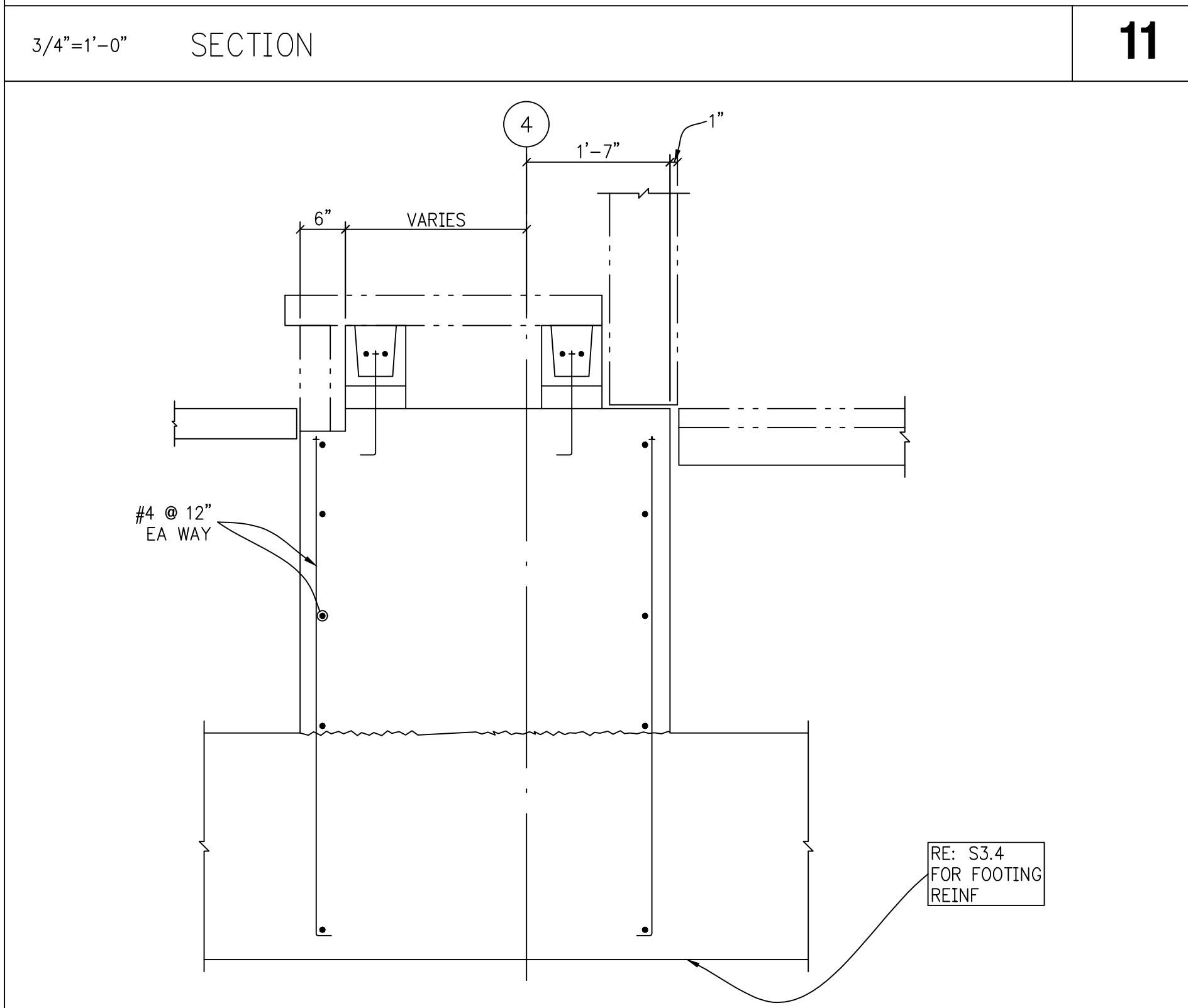
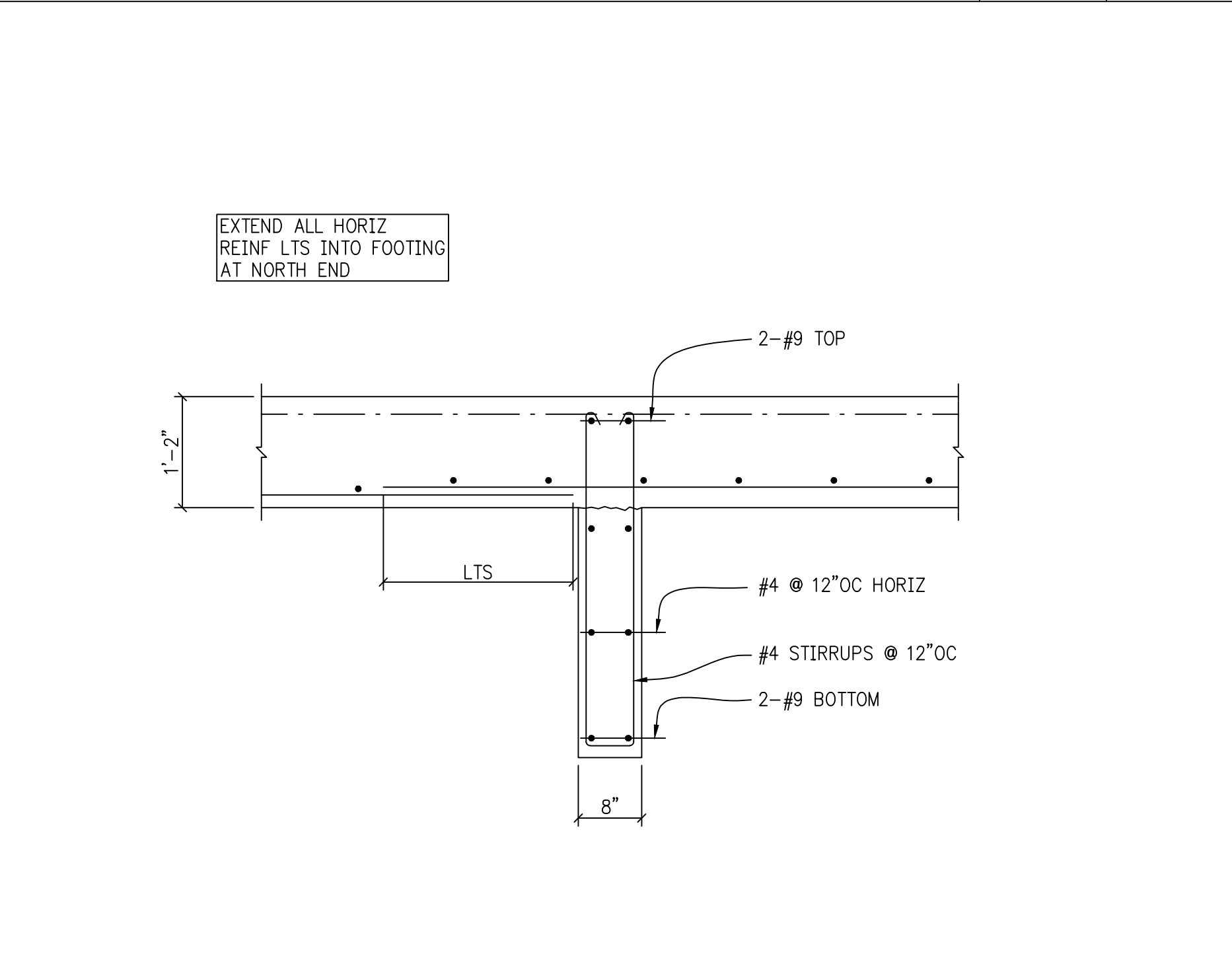
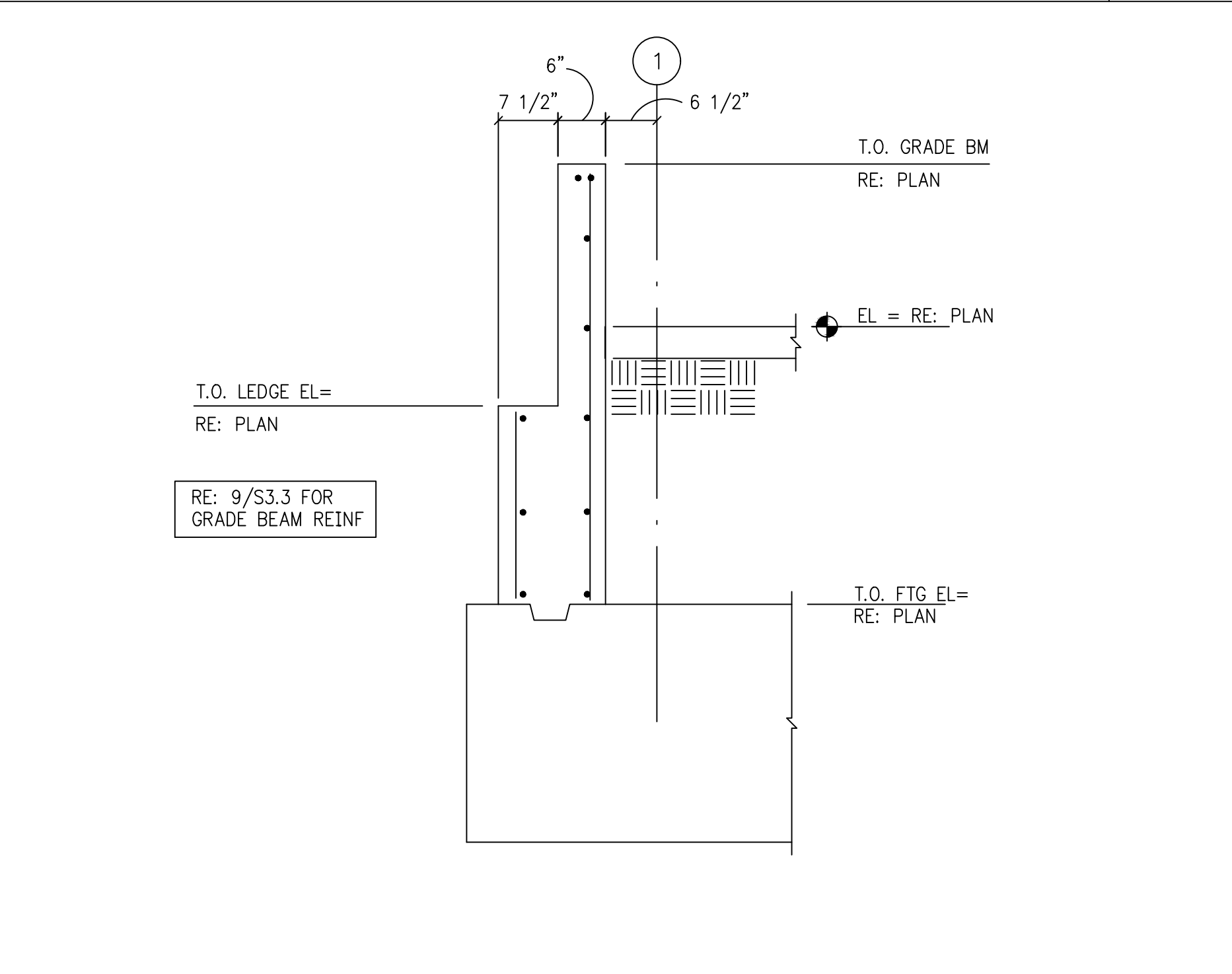
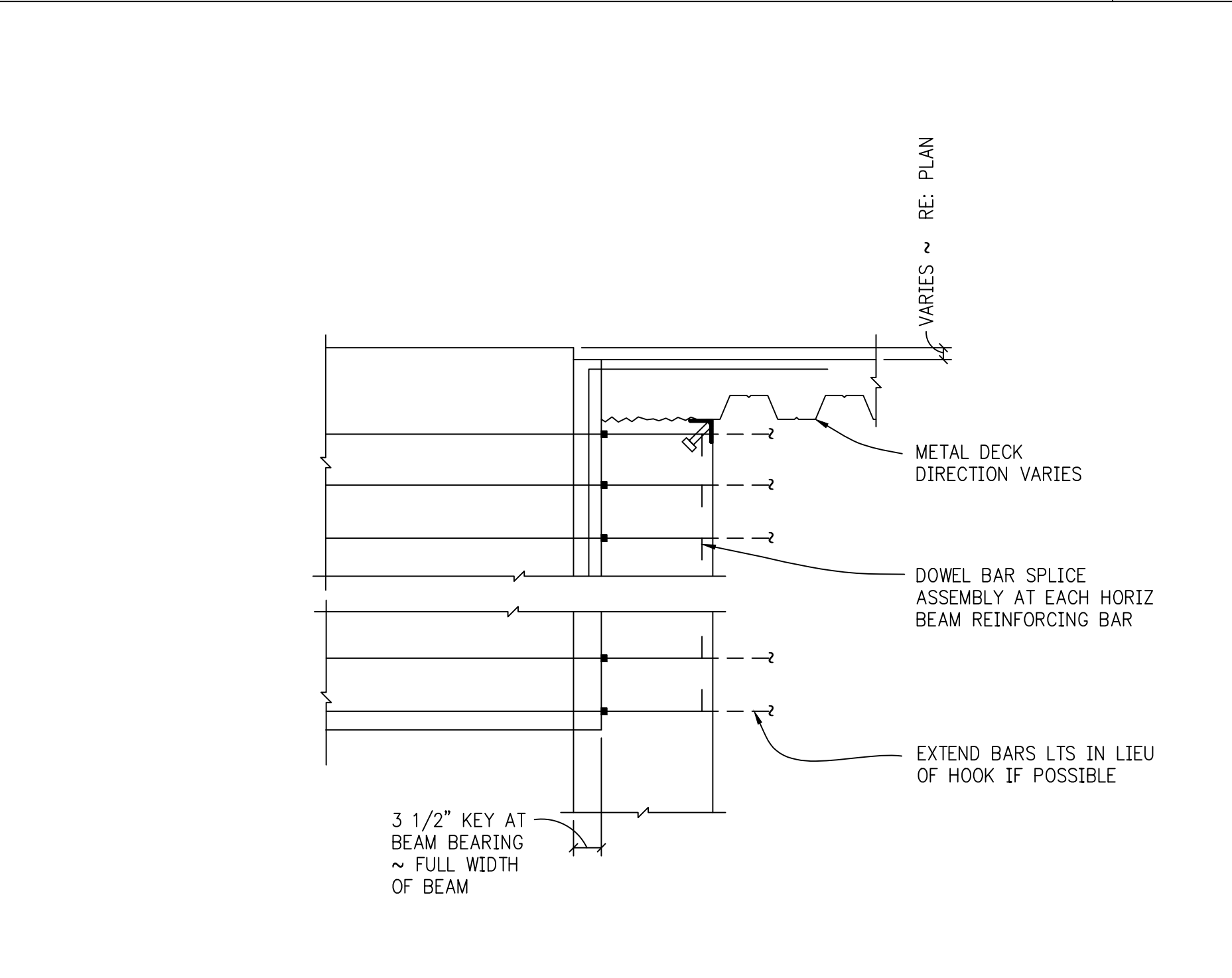
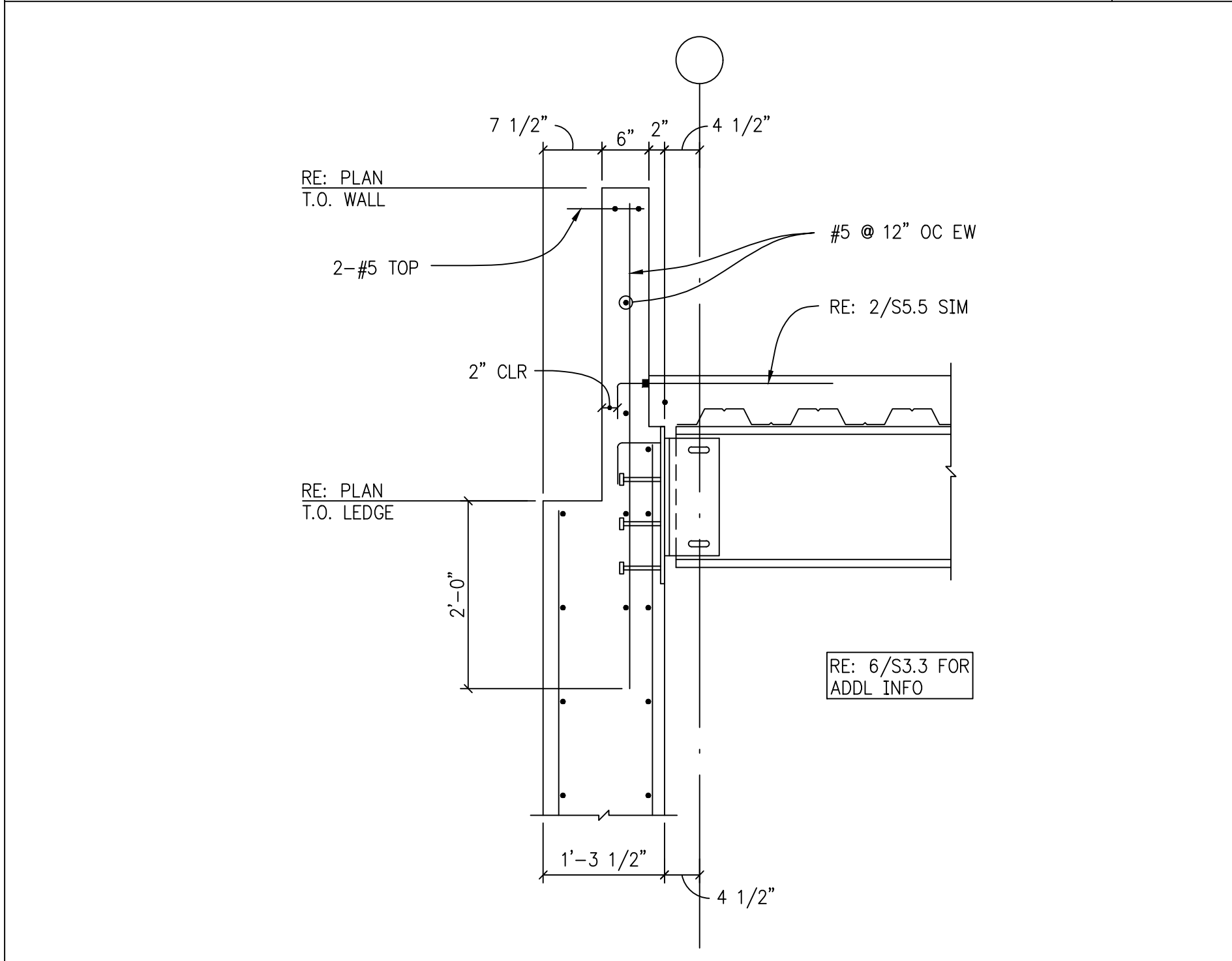
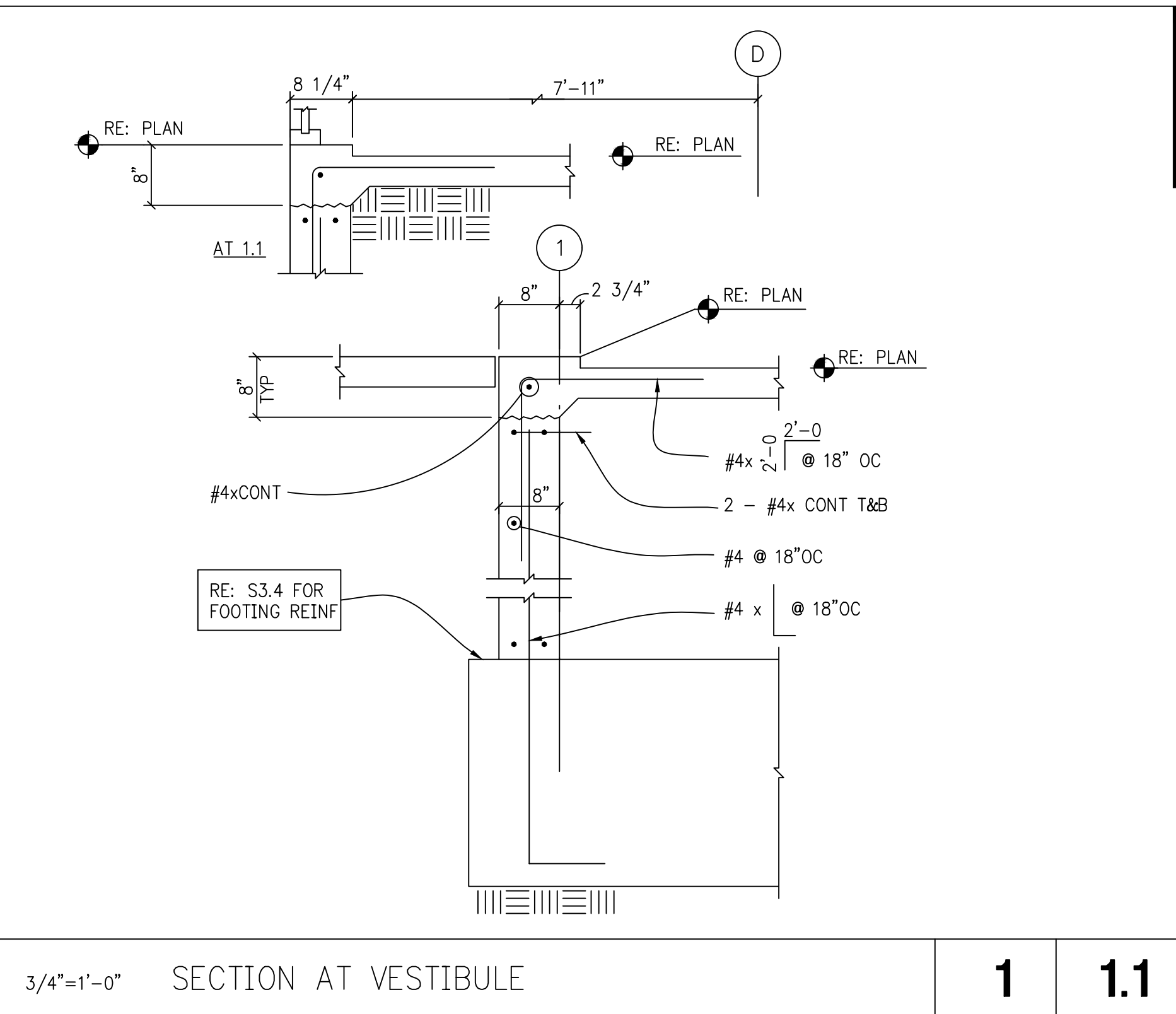
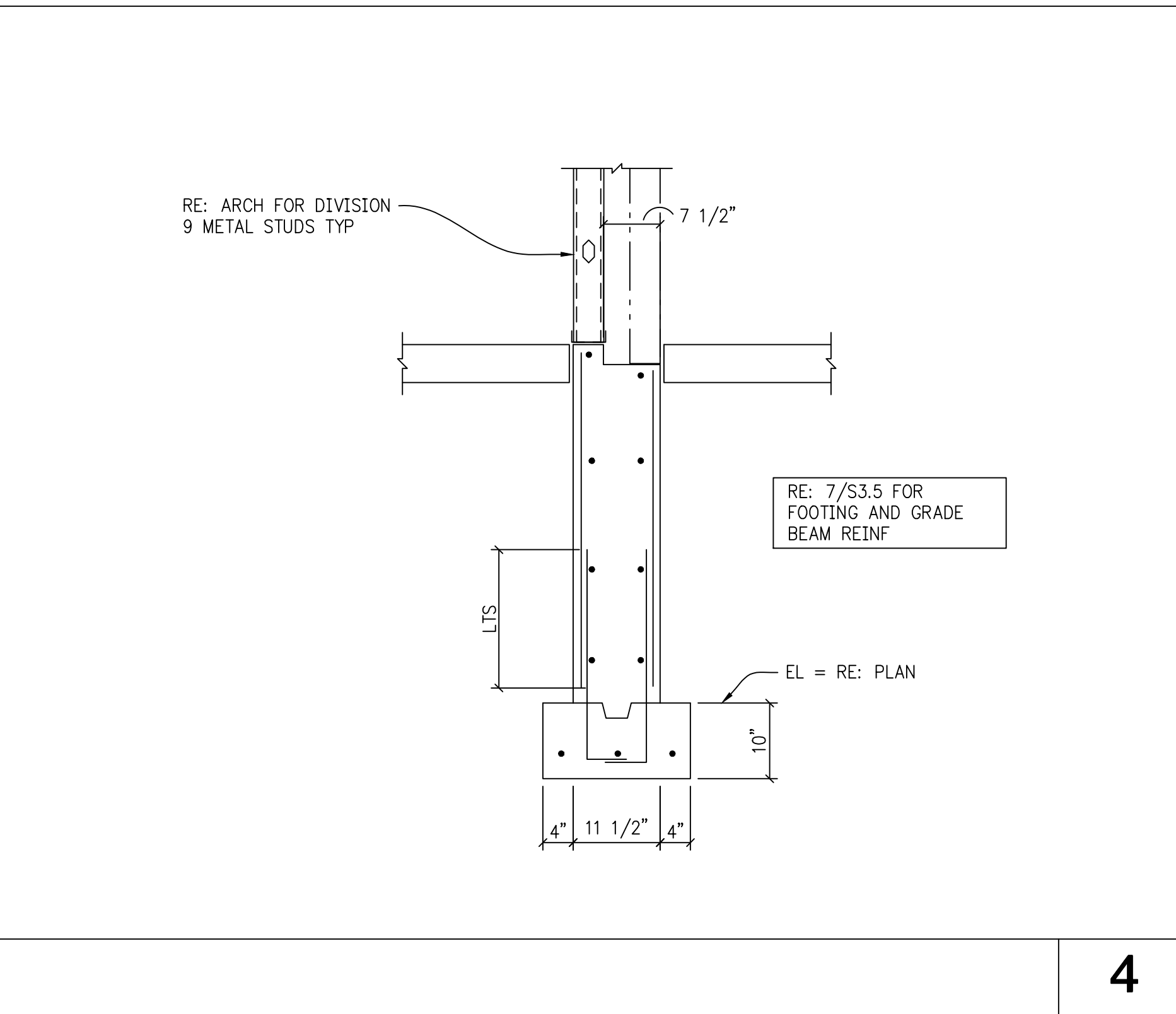
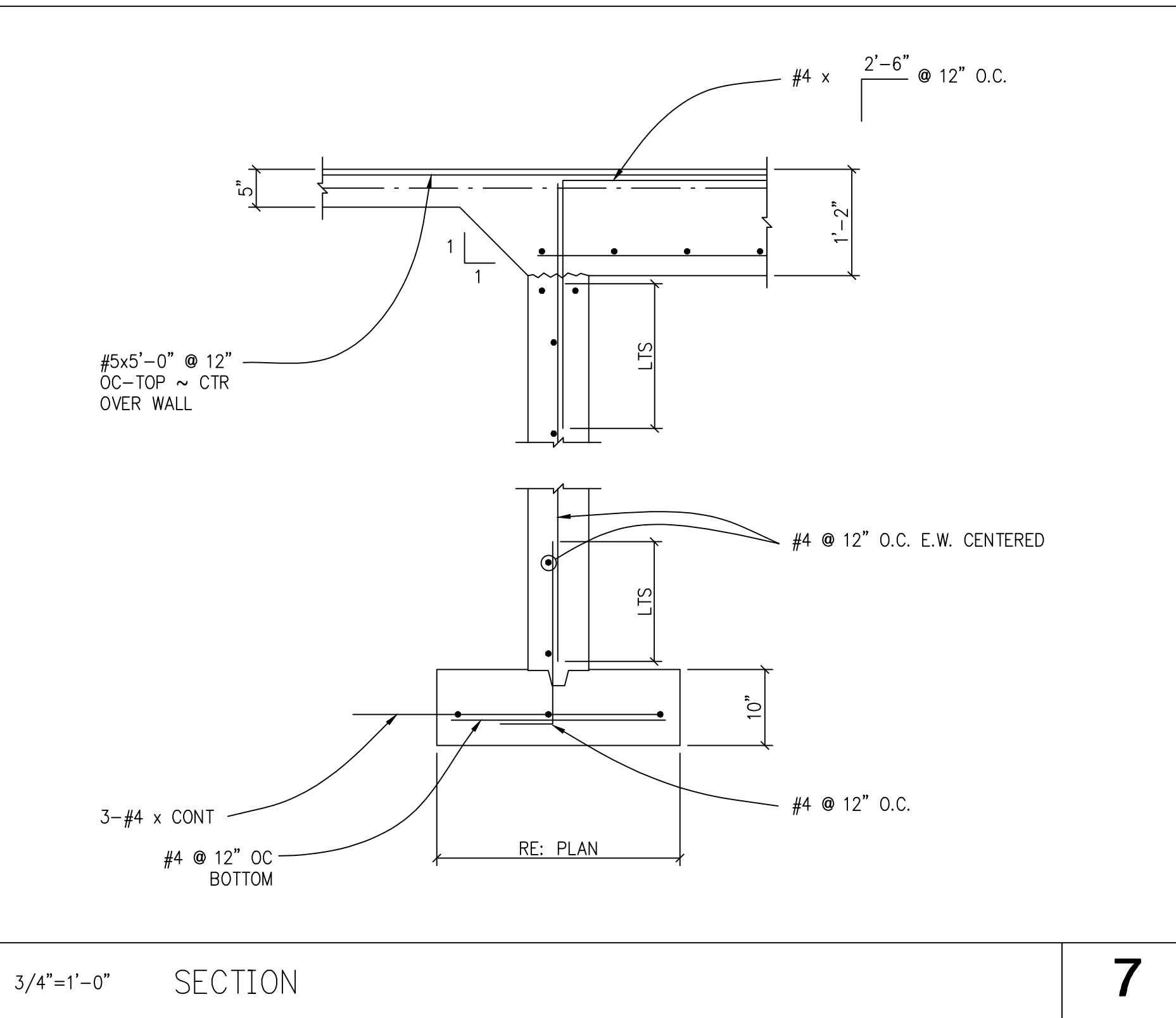
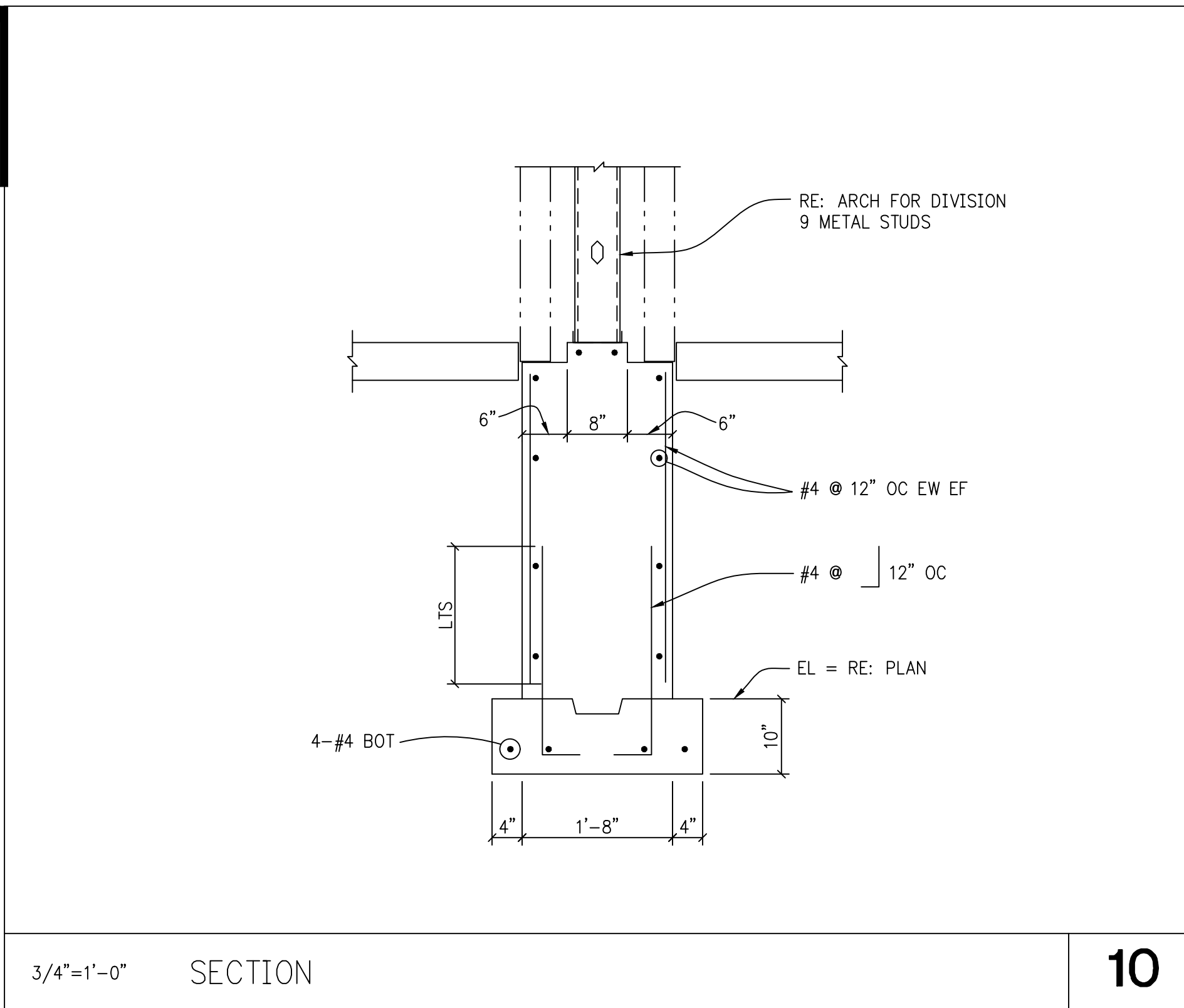
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△ RECORD DRAWINGS	12/04/06
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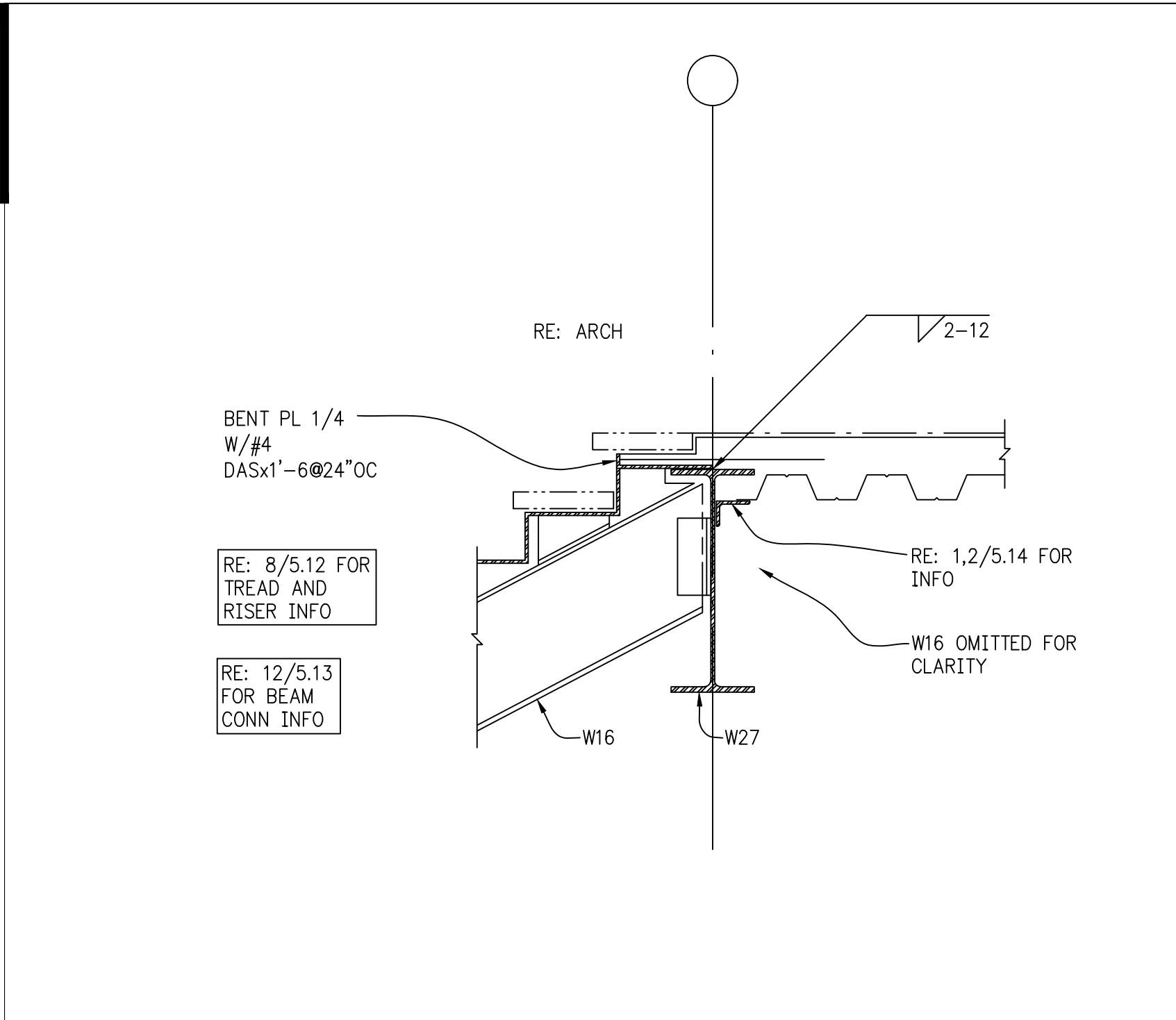
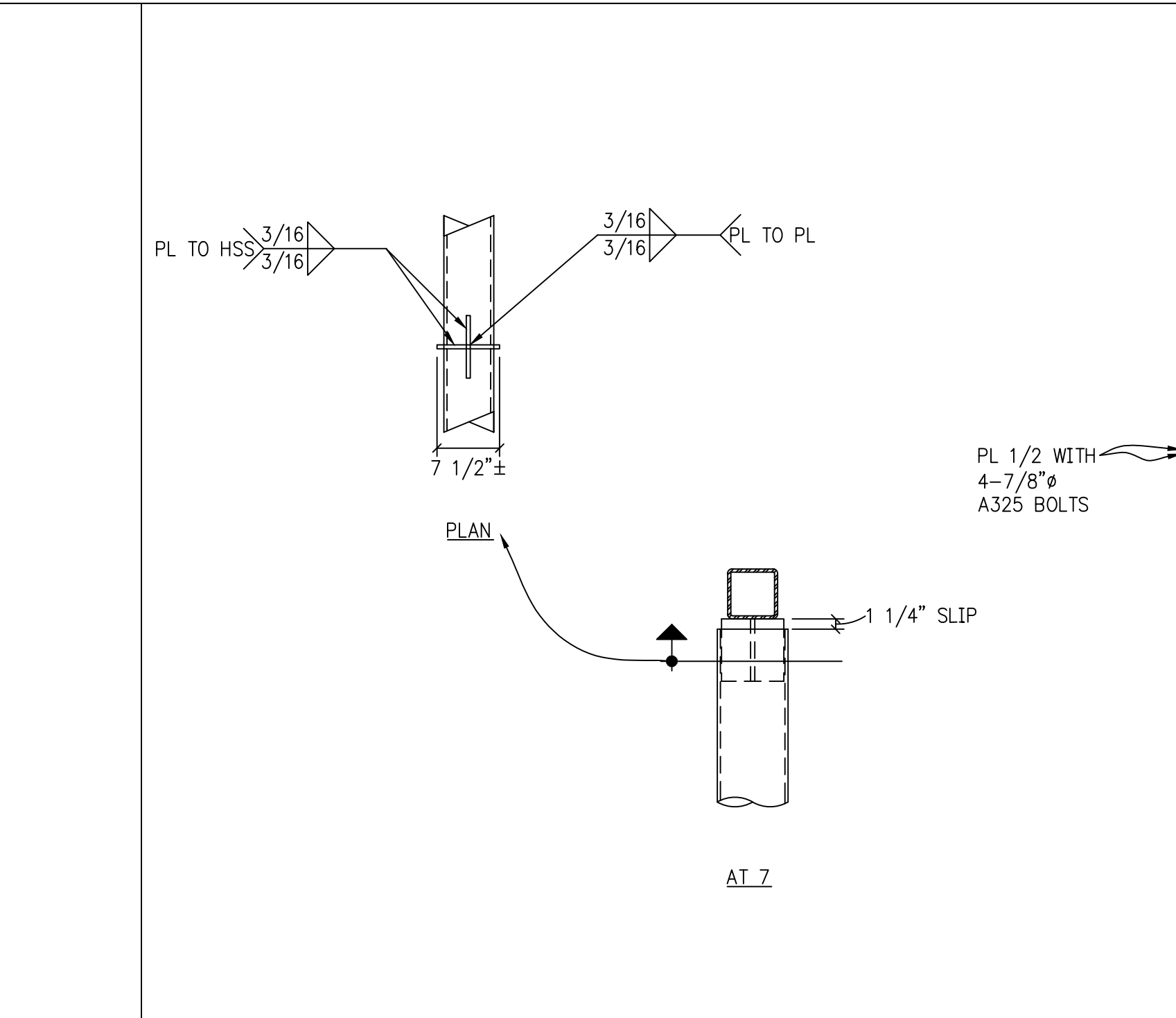
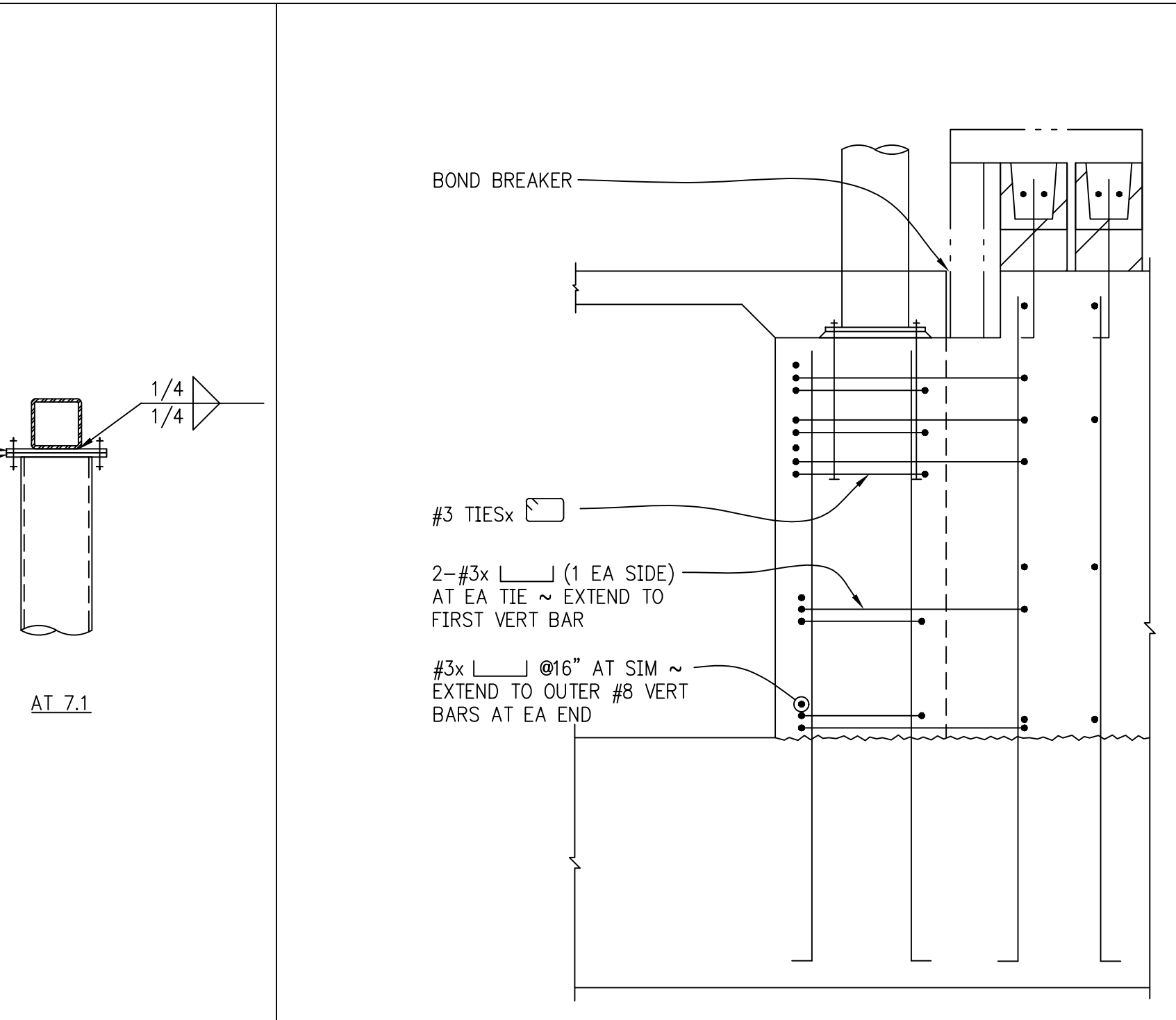
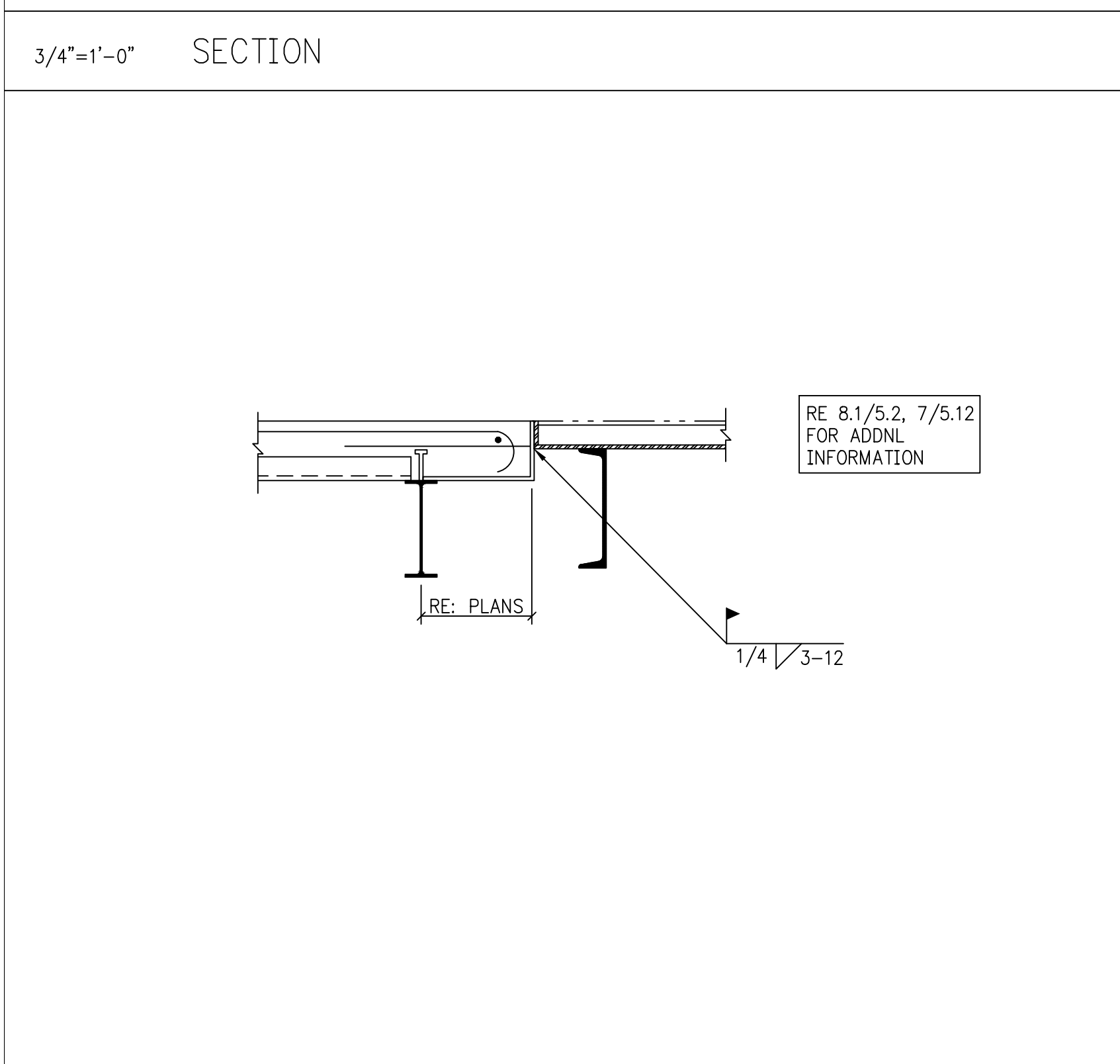
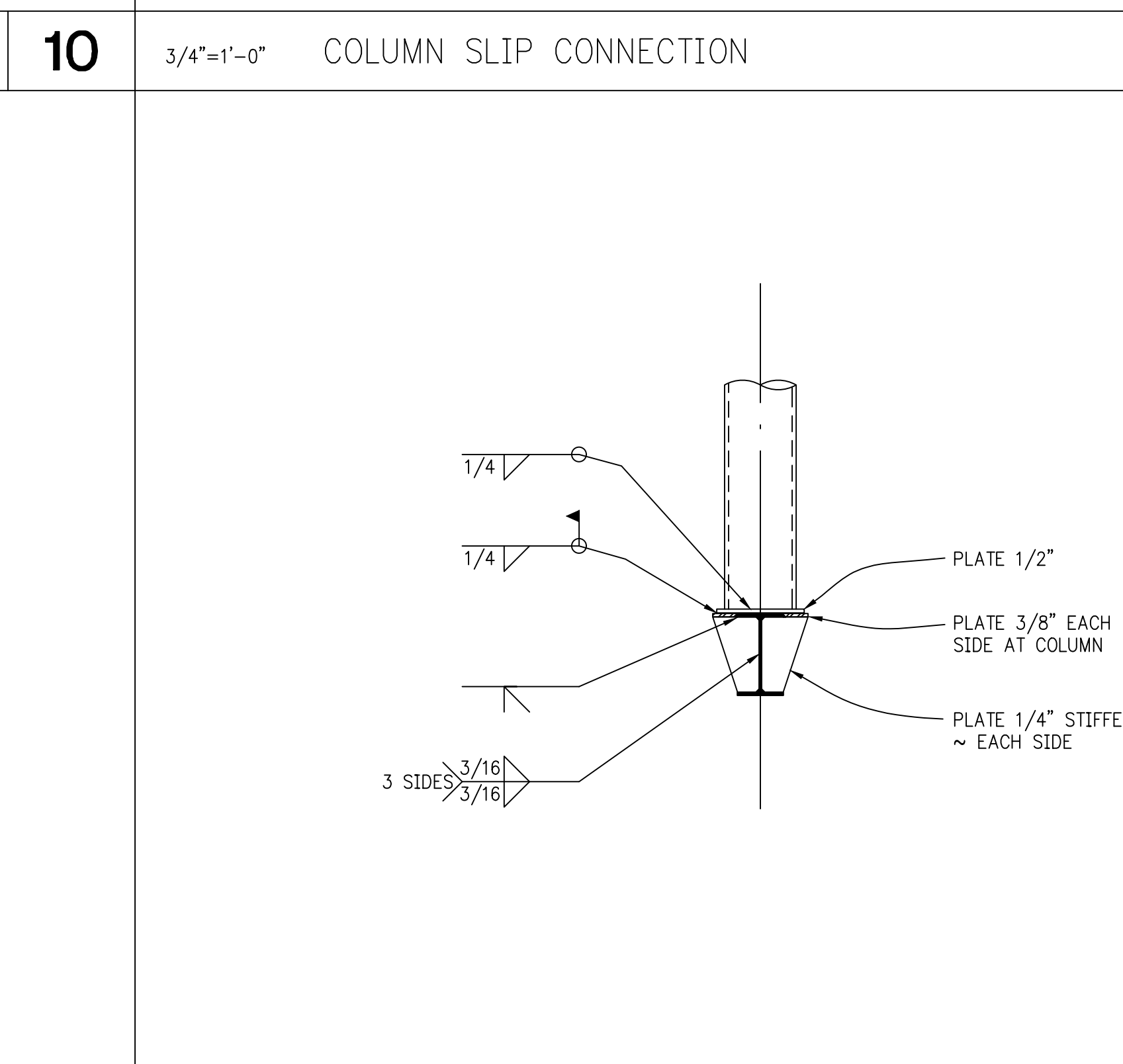
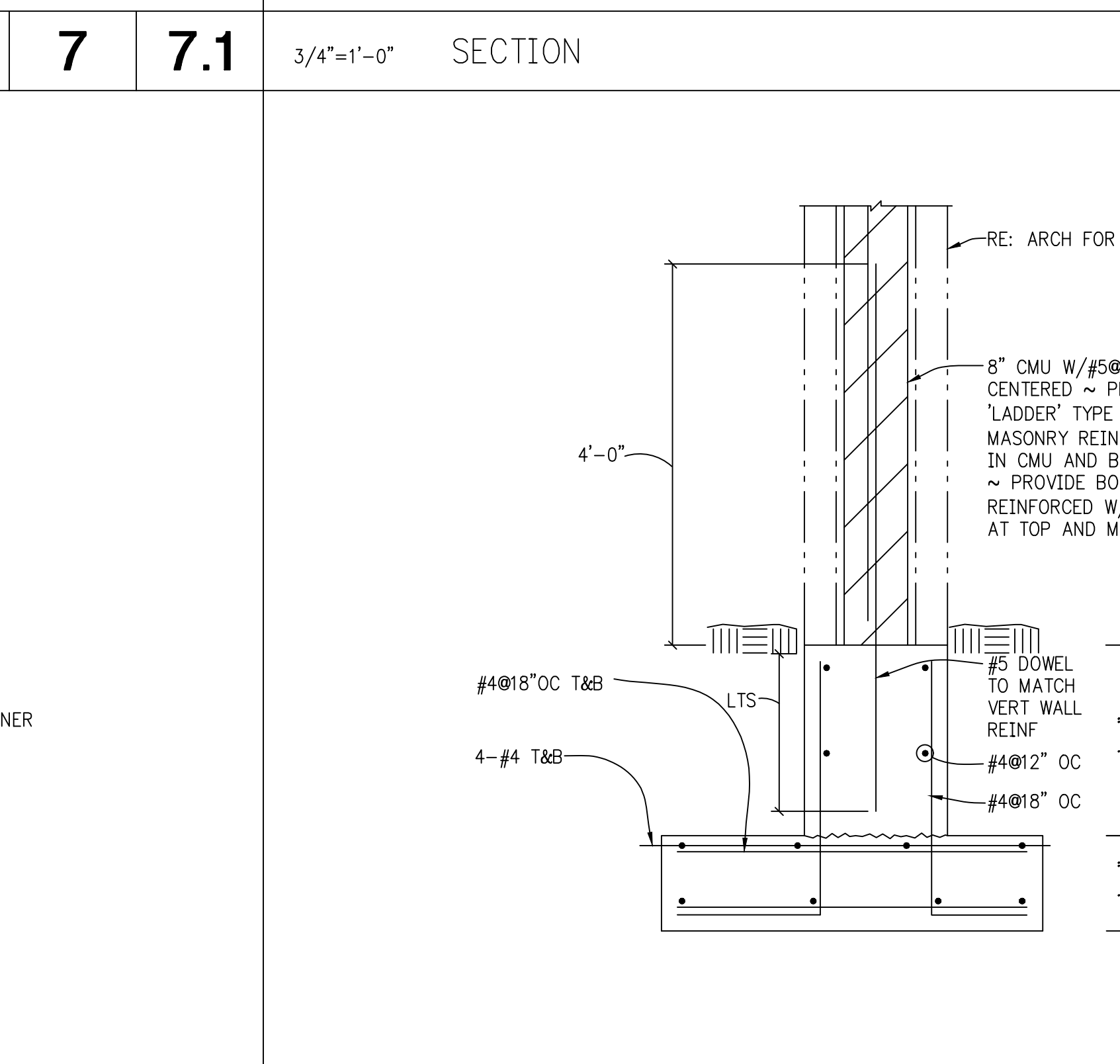
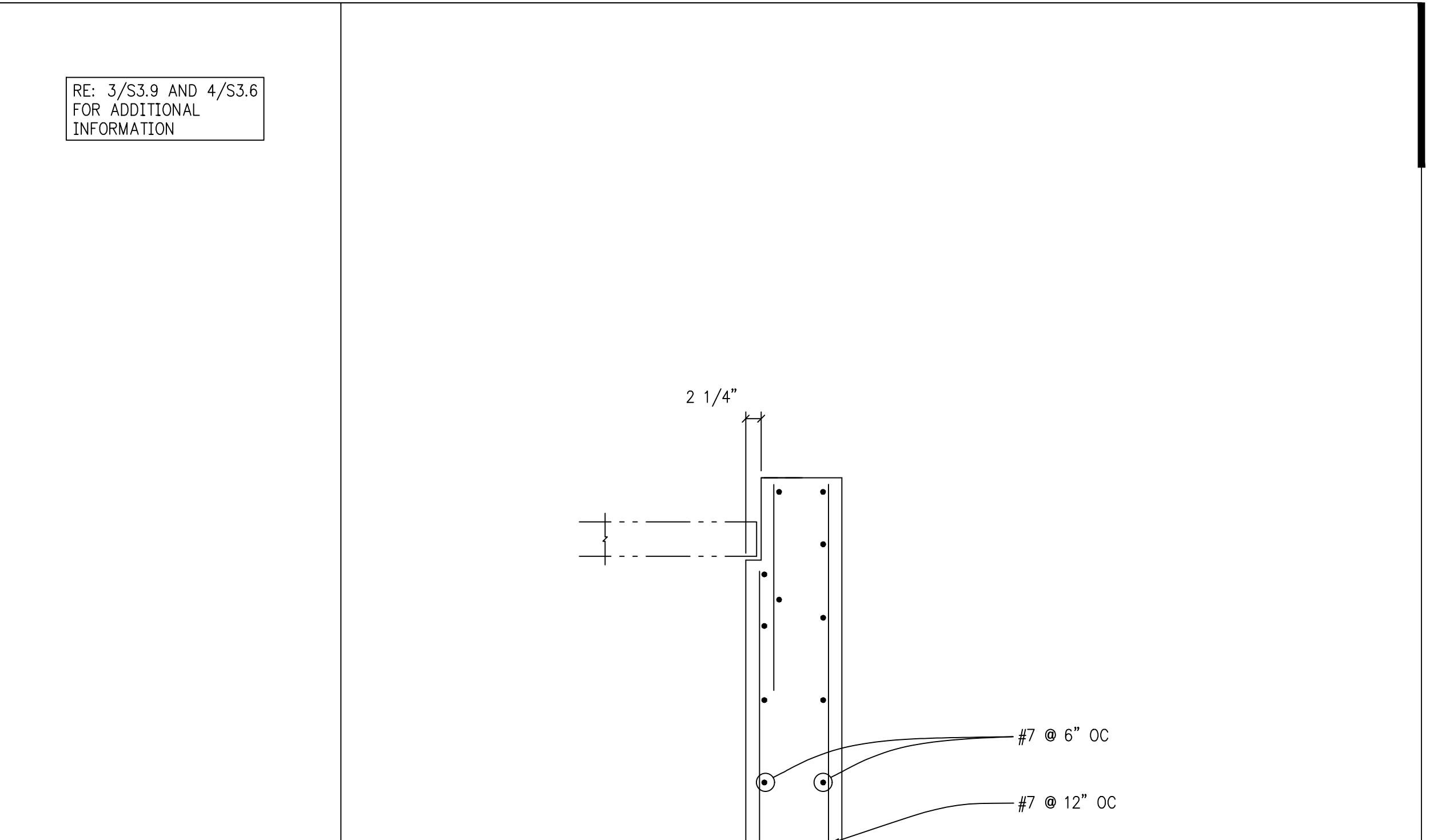
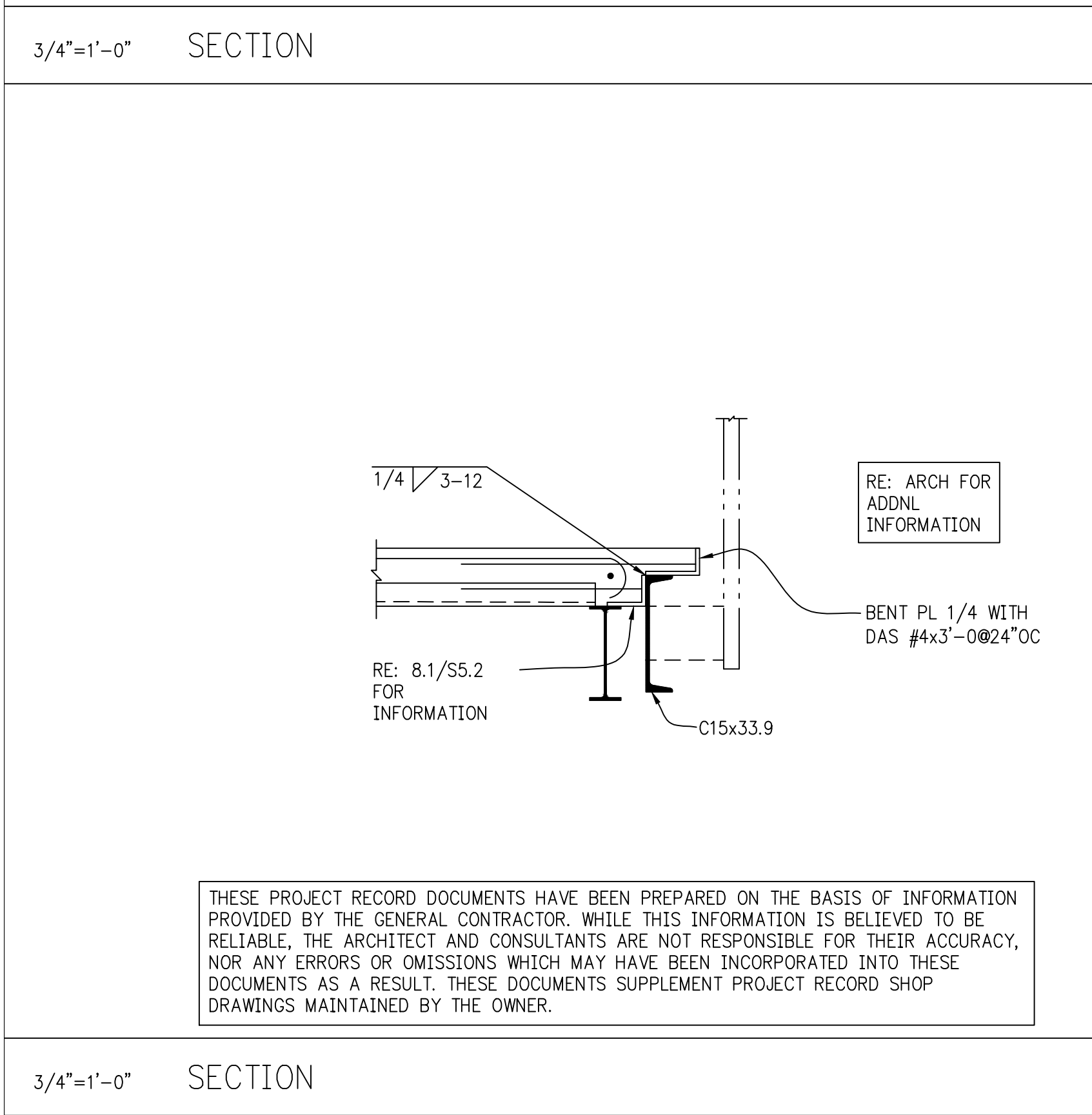
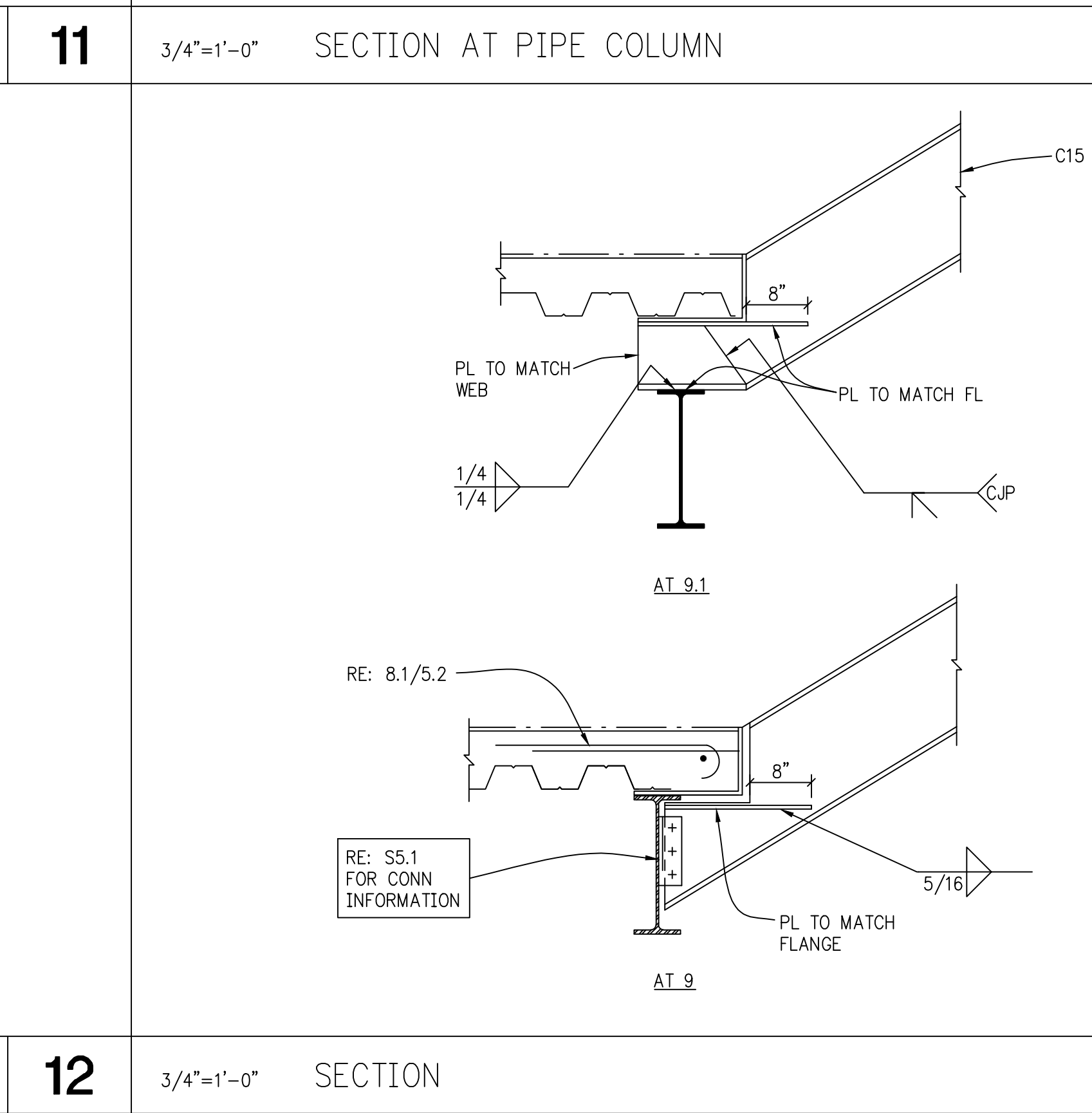
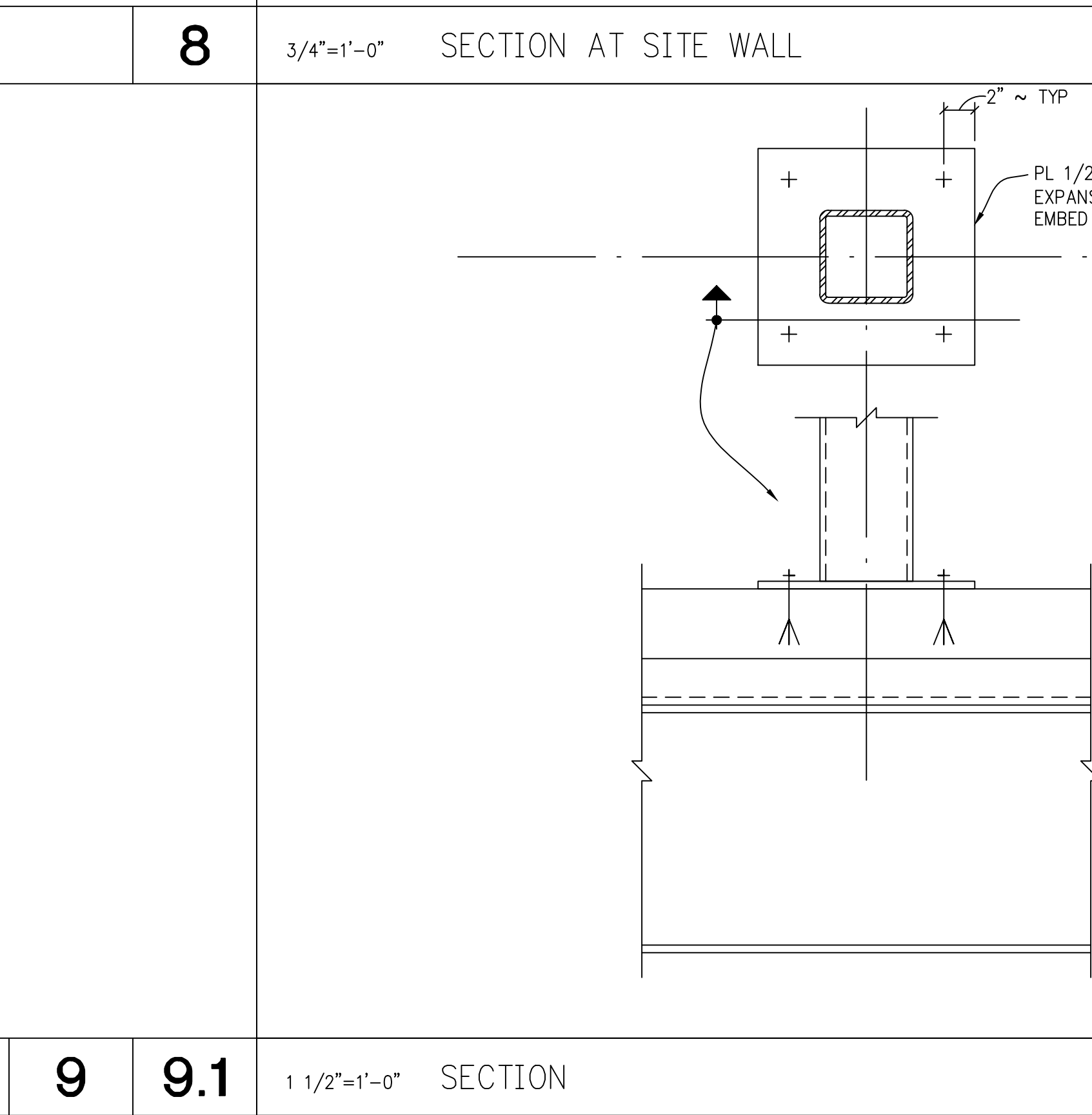
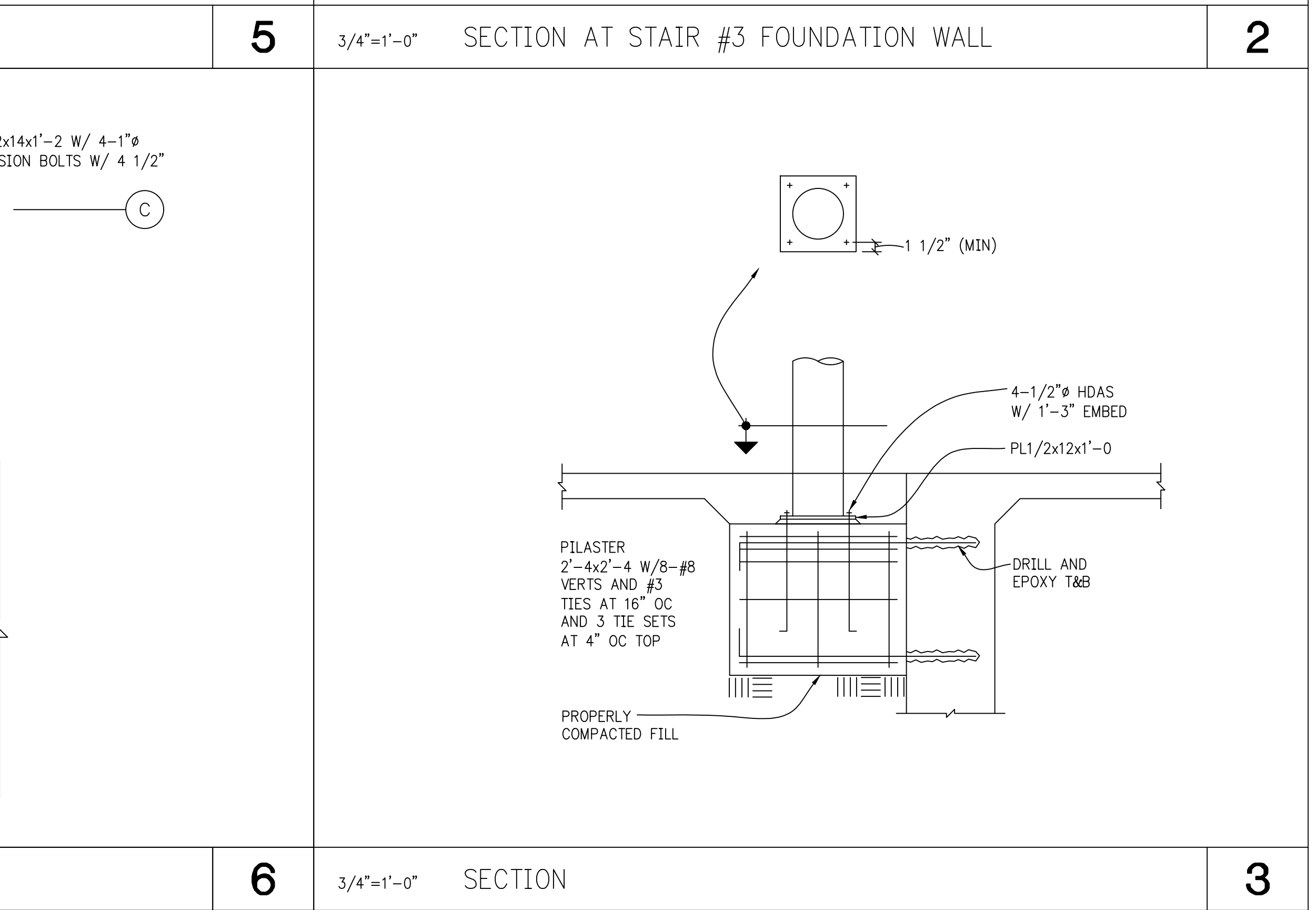
DRAWING TITLE:
FOUNDATION DETAILS

0" 1/4" 1/2" 1" 1 1/2" 2" 3" 4"

DATE: 06.21.04
PHASE: 100% CD
JOB NUMBER: 0302
DRAWING NUMBER:
S3.7
100% CD SET



PROJECT:	LAZZARA ORAL HEALTH UCCHS	PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK	SHEET NO.:	LOH-S39.dwg
DESIGNED BY:	—	EDITED BY:	regmnd
DRAWN BY:	LAO	EDITED ON:	Wed, 06 Dec 2006 - 4:45pm

		3/4"=1'-0" SECTION		10
		3/4"=1'-0" COLUMN SLIP CONNECTION		77.1
		3/4"=1'-0" SECTION		4
		3/4"=1'-0" SECTION		11
		3/4"=1'-0" SECTION AT PIPE COLUMN		8
		3/4"=1'-0" SECTION AT SITE WALL		5
		3/4"=1'-0" SECTION AT STAIR #3 FOUNDATION WALL		2
		3/4"=1'-0" SECTION		12
		3/4"=1'-0" SECTION		99.1
		1 1/2"=1'-0" SECTION		6
		3/4"=1'-0" SECTION		3

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ARCHITECTURE PLANNING INTERIOR DESIGN

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Martin/Martin

MECHANICAL/ELECTRICAL ENGINEER:

Cator, Ruma & Assoc.

CIVIL ENGINEER:

S.A. Miro, Inc.

LANDSCAPE ARCHITECT:

Insite Design

OWNER APPROVAL:

OWNER SIGNATUREDATE

DRAWN BY:T.LACK

CHECKED BY:P.DOAK

FILE TITLE:

REVISIONS:

ADDENDUM 00404/28/04

RECORD DRAWINGS12/04/06

DRAWING TITLE:

FOUNDATION DETAILS

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DATE:06.21.04

PHASE:100% CD

JOB NUMBER:0302

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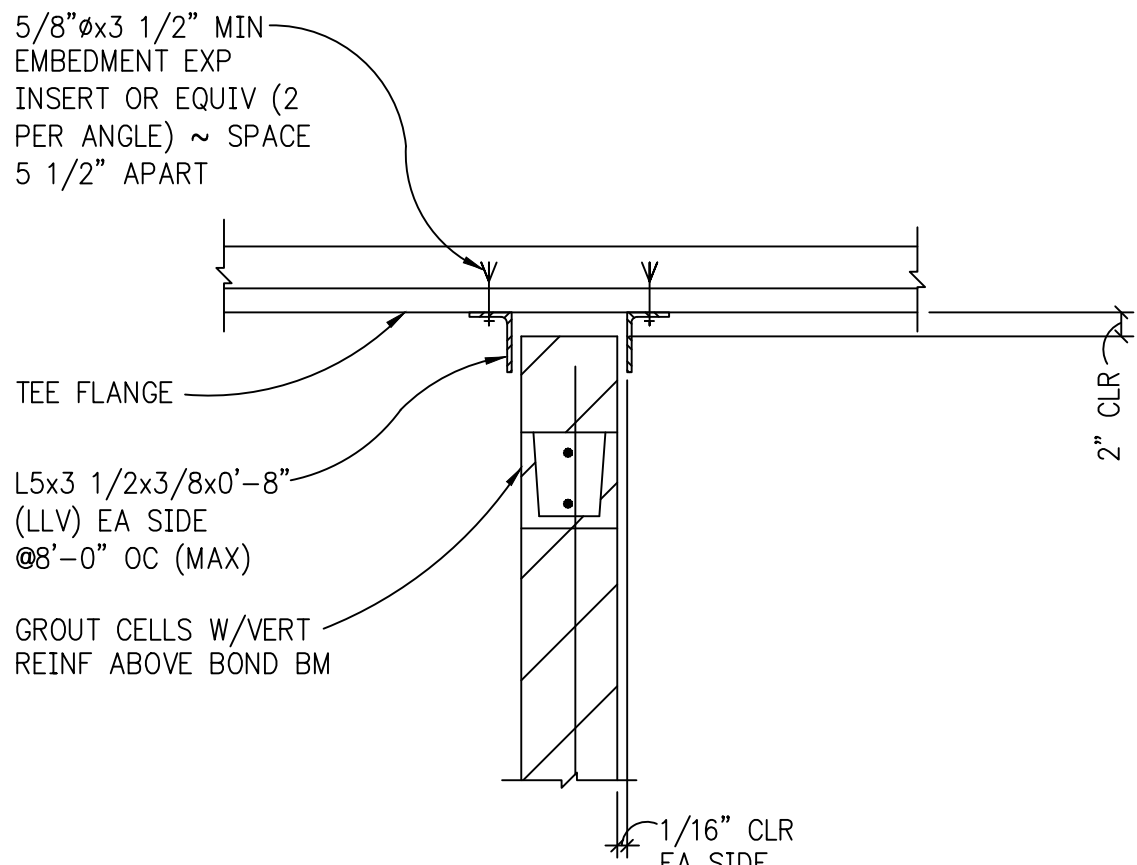
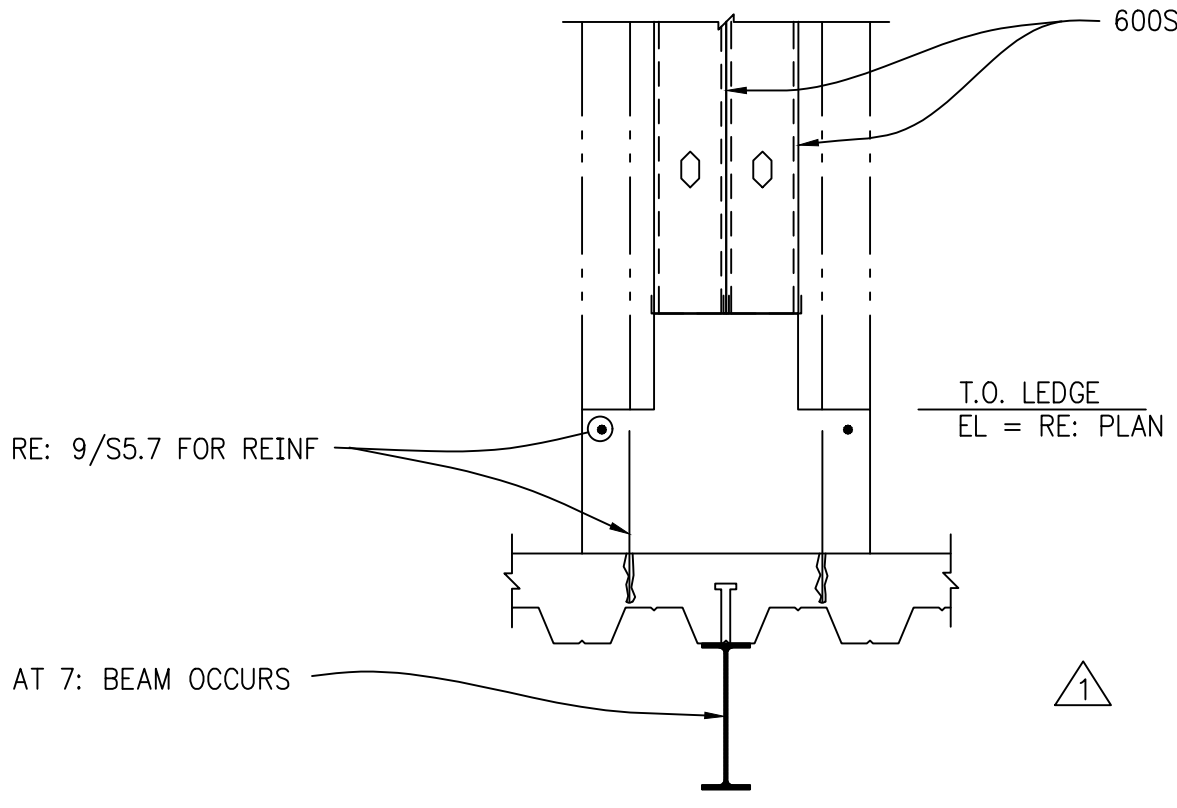
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PROJECT:	LAZZARA ORAL HEALTH UCHHS	PROJECT NO.:	15827.S.01
PROJECT MANAGER:	PAUL DOAK	SHEET NO.:	L01-S4.1.dwg
DESIGNED BY:		DESIGNED BY:	regmld
DRAWN BY:	LAO	EDITED ON:	Wed, 08 Dec 2006 - 4:32pm

REINFORCED MAS LINTEL SCHED				
TYPE	CLEAR SPAN	NOMINAL DEPTH	REINF	TYPICAL DETAIL
A	0'-0" TO 4'-0"	8"	2-#4 BOT	
A	OVER 4'-0" TO 6'-8"	16"	2-#4 T&B	
A	OVER 6'-8" TO 8'-8"	16"	2-#5 T&B	
A	OVER 8'-8" TO 10'-8"	24"	2-#5 T&B	
A	OVER 10'-8" TO 12'-8"	32"	2-#6 T&B	
A	OVER 12'-8" TO 14'-8"	40"	2-#6 T&B	

- NOTES:
- ALL LINTELS TYPE 'A' UNLESS NOTED ON STRUCTURAL DWGS. RE: ARCH DWGS FOR LOCATION & CLEAR SPAN.
 - LINTELS SHALL SPAN CONT BETWEEN BEARINGS EACH SIDE.
 - PROVIDE 8" (MIN) BEARINGS FOR CLEAR SPAN 0'-0" OR LESS 16" (MIN) BEARING FOR CLEAR SPAN GREATER THAN 8'-0".
 - EXTEND BOT REINF TO END OF BEARING EACH SIDE - EXTEND TOP REINF, WHERE POSSIBLE, 40 BAR DIA INTO WALL EACH SIDE - TERMINATE TOP REINF W/STD HOOK AT CONTROL JOINTS OR FREE EDGES.
 - PROVIDE SOLID GROUTED OR SOLID MASONRY JAMB UNDER LINTEL EACH SIDE OF OPNG FOR CLEAR SPAN GREATER THAN 6'-0".



LOOSE LINTEL SCHEDULE				
TYPE	OPENING	LINTEL	BEARING EA END	REMARKS
A	6'-4" OR LESS	L3 1/2x3 1/2x1/4	4"	
A	OVER 6'-4" THRU 7'-10"	L5x3 1/2x1/4	6"	LLV
A	OVER 7'-10" THRU 9'-2"	L6x3 1/2x5/16 OR W6x12	6"	LLV
A	OVER 9'-2" THRU 10'-10"	L6x3 1/2x3/8 OR W8x15	6"	LLV
A	OVER 10'-10" THRU 12'-0"	W10x15	8"	
A	OVER 12'-0" THRU 14'-0"	W12x19	8"	
A	OVER 14'-0" THRU 16'-0"	W14x22	8"	

- NOTES:
- ALL LINTELS TYPE 'A' UNLESS NOTED ON STRUCTURAL DWGS. RE: ARCH DWGS FOR LOCATION & CLEAR SPAN.
 - PROVIDE ONE ANGLE FOR EACH 4" OR LESS THICKNESS OF MASONRY & ONE BEAM FOR EACH 12" OR LESS THICKNESS OF MASONRY.
 - WHERE W BEAMS ARE USED, PROVIDE CONTINUOUS BOTTOM PLATE WELDED TO BEAM. PLATE SHALL BE 1/4" THICK & 1/2" LESS THAN WALL THICKNESS IN WIDTH.
 - FOR OPENING OVER 6'-0", PROVIDE SOLID GROUTED OR SOLID MASONRY JAMB UNDER LINTEL EACH SIDE OF OPENING.
 - FOR OPENINGS LARGER THAN 10'-0", PROVIDE 2-5/8"x1'-6" ANCHOR BOLTS AT EACH END. SLOT HOLES IN BEAM.

3/4'=1'-0" TYP REINFORCED MAS LINTEL SCHEDULE

10

3/4'=1'-0" SECTION

7

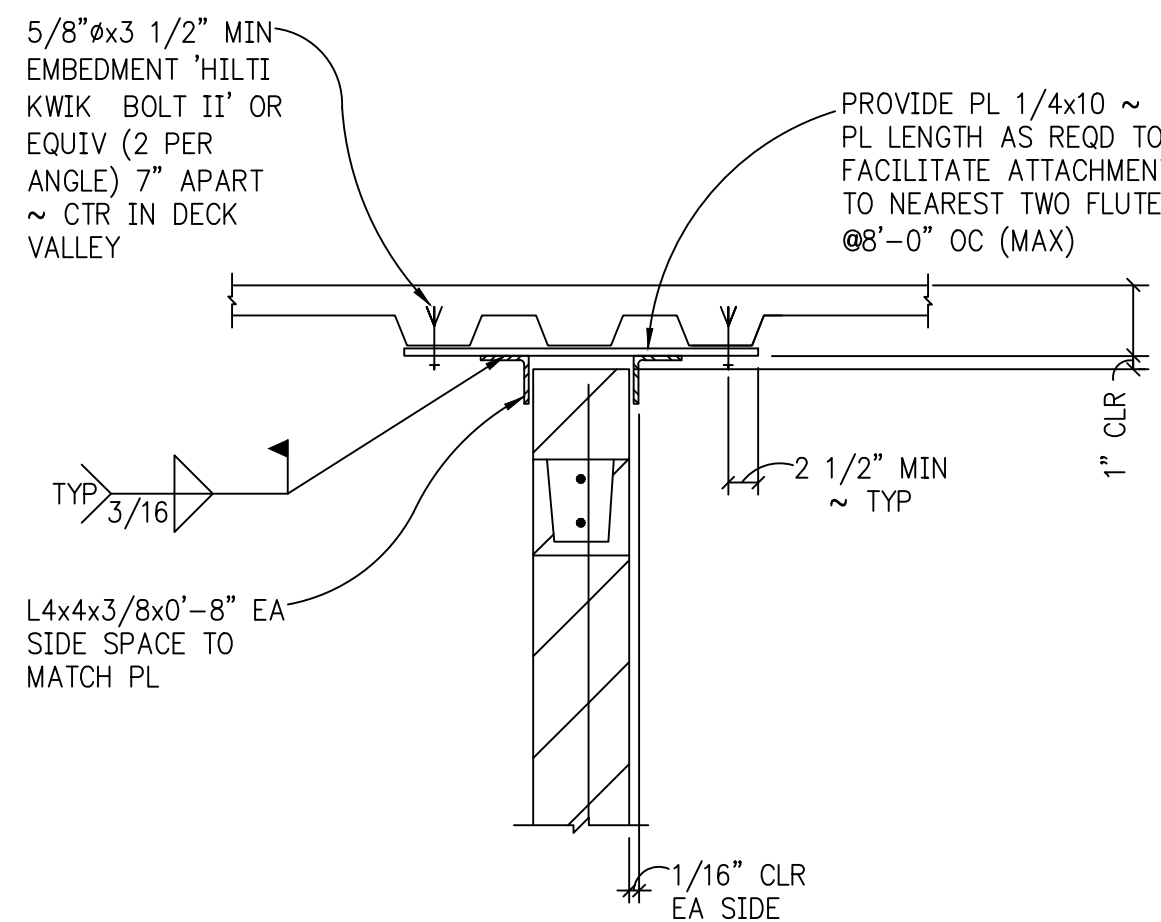
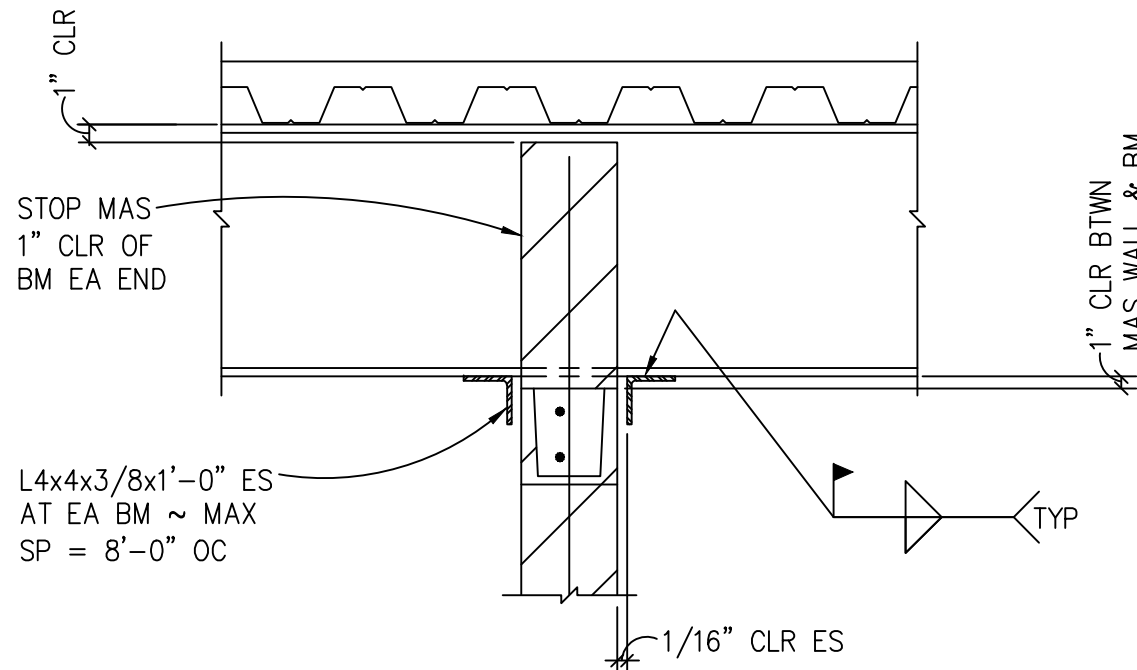
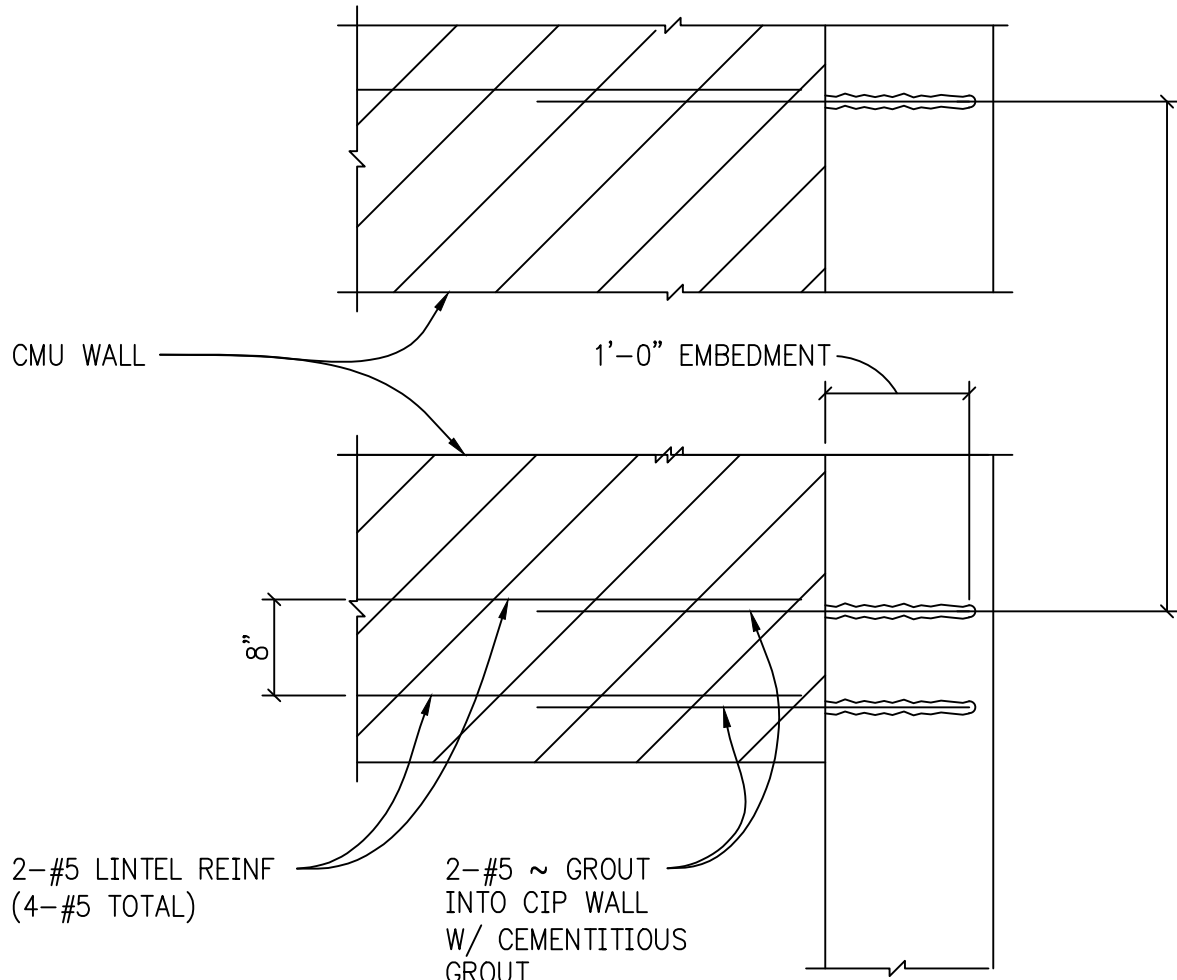
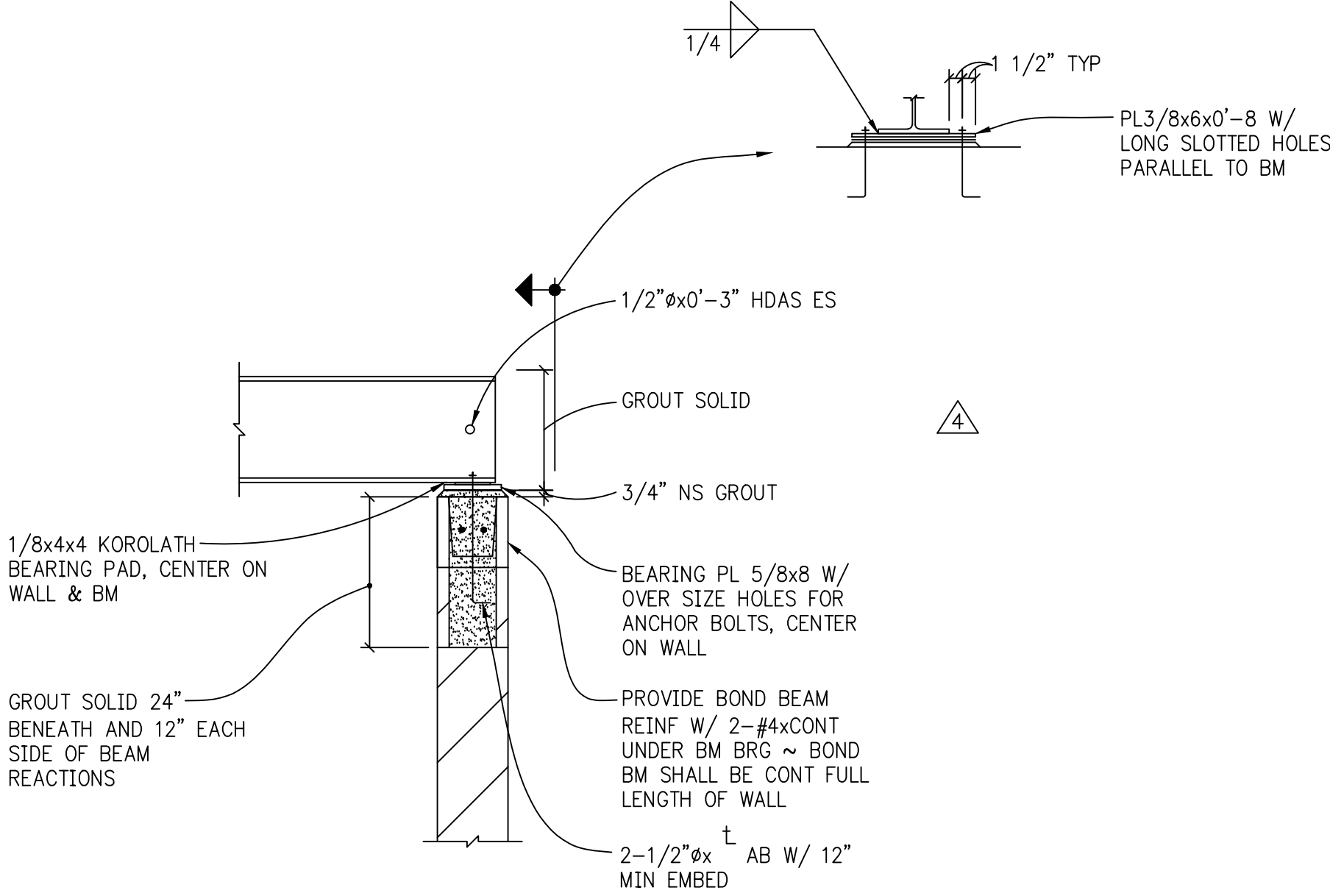
7.1

NO SCALE TYP FULL HT PARTITION SUPPORT

4

NO SCALE TYP LOOSE LINTEL SCHEDULE

1



3/4'=1'-0" TYPICAL BEAM BEARING DETAIL

11

3/4'=1'-0" LINTEL JAMB DETAIL

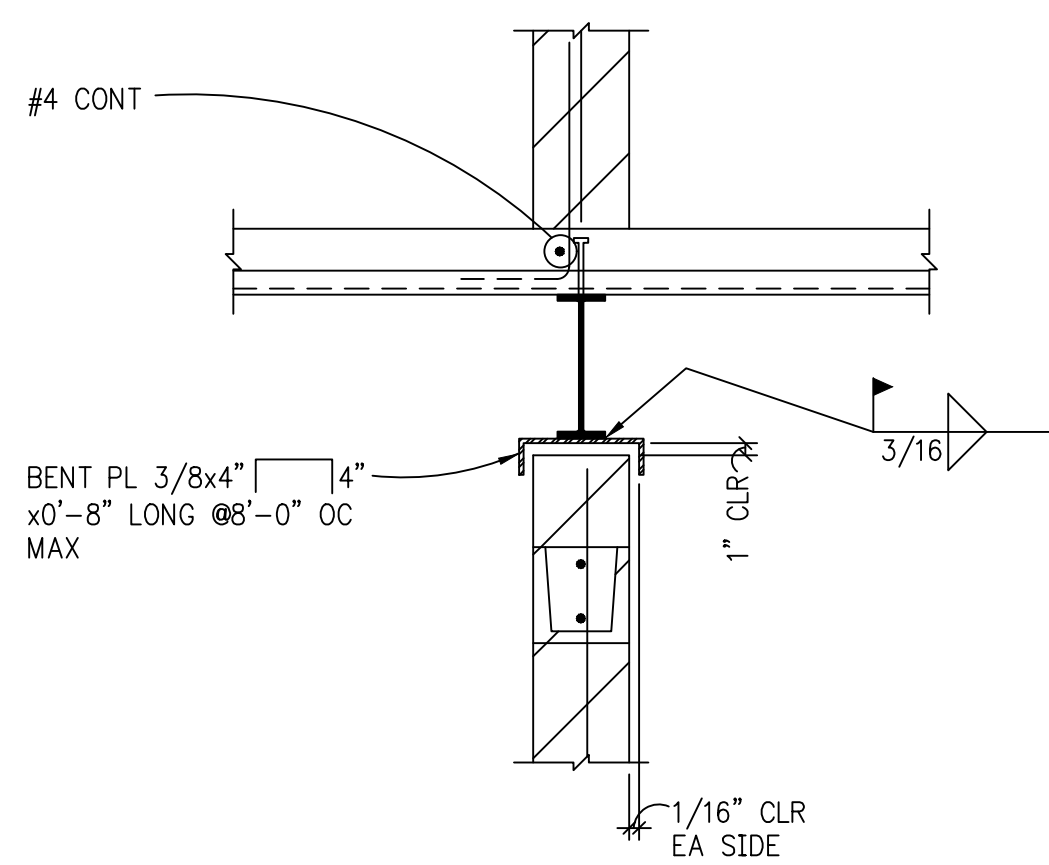
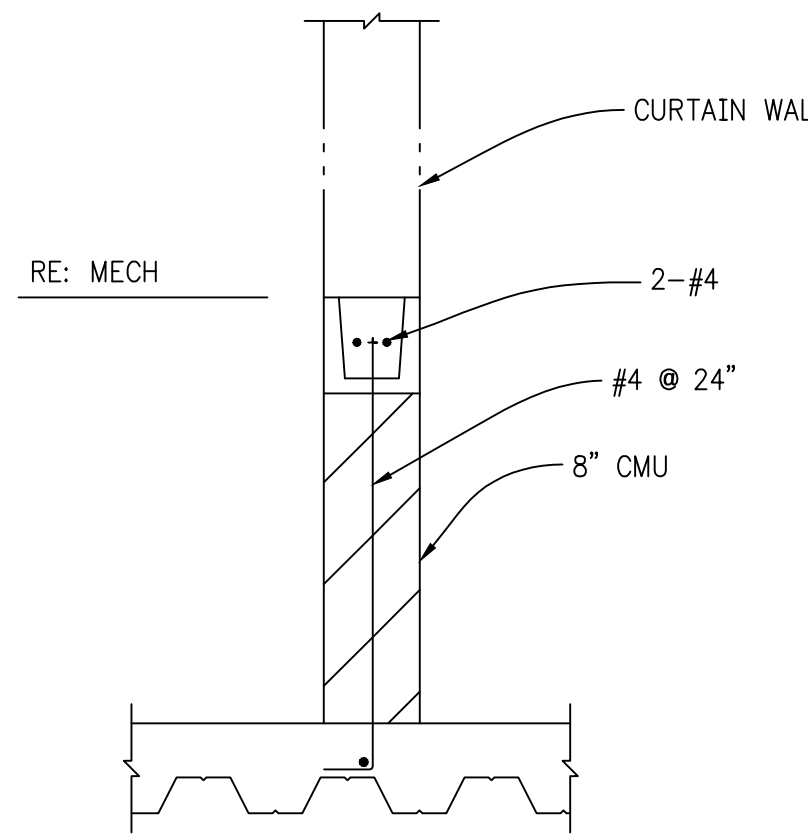
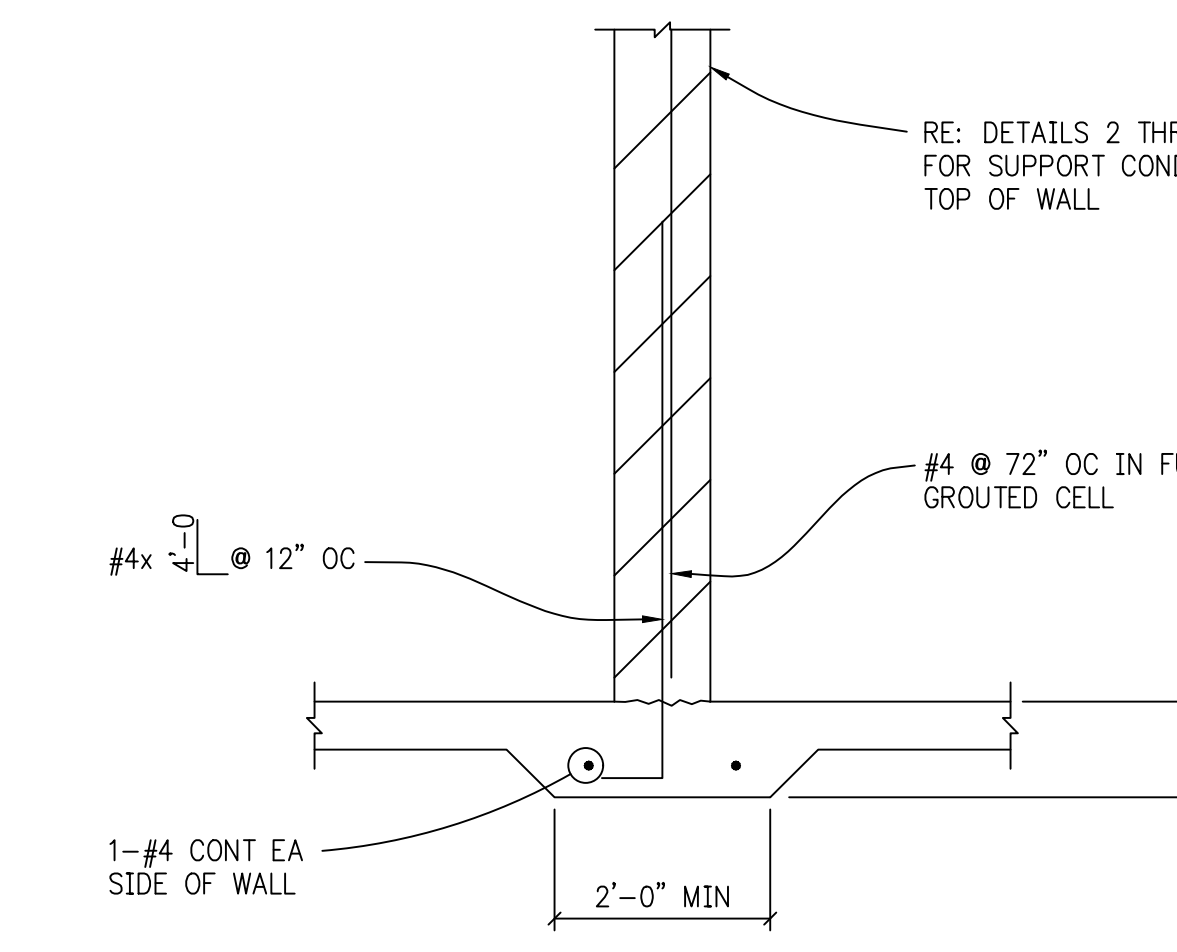
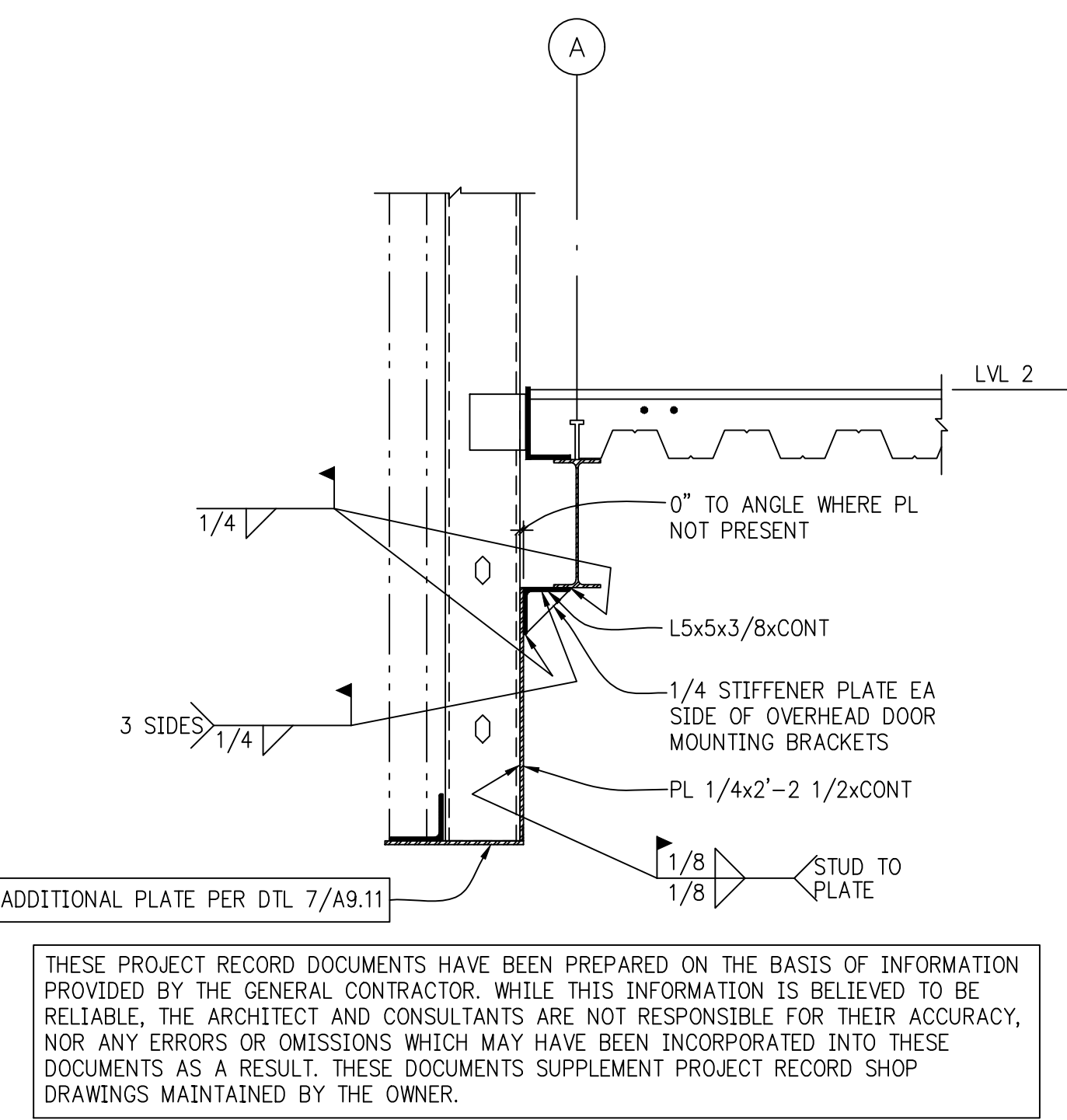
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NO SCALE TYP INT MAS WALL CONDITION AT BM

5

NO SCALE TYP MAS WALL TO SLAB CONN

2



3/4'=1'-0" WALL SECTION AT DOCK

12

3/4'=1'-0" TYPICAL MASONRY WALL THICKENED SLAB DETAIL

9

3/4'=1'-0" SECTION

6

NO SCALE TYP MAS WALL TO BM CONN

3

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OWNER APPROVAL:
OWNER SIGNATURE DATE
DRAWN BY: T.LACK
CHECKED BY: P.DOAK
FILE TITLE:

REVISIONS:
ADDENDUM 004 04/28/04
ADDENDUM 001 07/19/04
RECORD DRAWINGS 12/04/06

DRAWING TITLE:
MASONRY DETAILS
0' 1/4' 1/2' 1' 1 1/2' 2' 3' 4'

DATE: 06.21.04
PHASE: 100% CD
JOB NUMBER: 0302
DRAWING NUMBER:
S4.1
100% CD SET

PROJECT:	LAZZARA ORAL HEALTH UCHHS
PROJECT NO.:	15827.S.01
SHEET NO.:	LOH-S512.dwg
DESIGNED BY:	regmid
DRAWN BY:	LAO
DATE:	Wed, 06 Dec 2006 - 4:43pm

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ARCHITECTS**
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IN ASSOCIATION WITH
Bohlin Cywinski Jackson
ARCHITECTURE PLANNING INTERIOR DESIGN

STRUCTURAL ENGINEER:
Martin/Martin
MECHANICAL/ELECTRICAL ENGINEER:
Cator, Ruma & Assoc.
CIVIL ENGINEER:
S.A. Miro, Inc.
LANDSCAPE ARCHITECT:
Insite Design

OWNER APPROVAL:

OWNER SIGNATURE _____ DATE _____

DRAWN BY: T.LACK

CHECKED BY: P.DOAK

FILE TITLE: _____

REVISIONS:

△ ADDENDUM 004	04/28/04
△ ADDENDUM 001	07/19/04
△ RECORD DRAWINGS	12/04/06
△	
△	
△	

DRAWING TITLE:
STAIR #4 DETAILS

0" 1/4" 1/2" 1" 1 1/2" 2" 3" 4"

DATE: 06.21.04
PHASE: 100% CD
JOB NUMBER: 0302
DRAWING NUMBER:

S5.12
100% CD SET

