

SYMBOLS LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
EP1	EMBED PLATE		ELEVATION SYMBOL
C1	CONCRETE COLUMN		STEP
YW1	WALLS, Y = (F)FOUNDATION, (C)IP CONC, (P)RECAST, (M)ASONRY, (W)OOD, (R)ETAINING, CIP CONC (S)HEARWALL		SLOPE
	KEY NOTE		SUBGRADE
	FORM SAVER		DRAWING REVISION NUMBER
	CURRENT REVISION CLOUD		STRUCTURAL MASONRY WALL
	CONTROL JOINT		CAST-IN-PLACE CONCRETE (ON PLAN)
	MECHANICAL UNIT (XX.Xk = MECHANICAL UNIT OPERATING WEIGHT IN KIPS INCLUDING INERTIA BASE)		EXTENT OF CONCRETE PAD
	BUILDING SECTION OR DETAIL CUT		ON SHEET DRAWN
	WELDED-WIRE REINFORCEMENT		SERVICE LOAD PROVIDED FOR SPECIALTY DESIGNER
	STEEL BEAM		
	SHEAR STUD QUANTITY		
	BEAM SIZE [30] c=1"		
	BEAM REACTION (KIPS)		
	DECK TYPE		
	DECK SPAN DIRECTION		
	MOMENT CONNECTION		
	AXIAL DRAG CONNECTION		
	BRACING		
	NEW GRID LINES		

DESIGN CRITERIA

- CODES AND STANDARDS:
 - GENERAL DESIGN
 - INTERNATIONAL BUILDING CODE 2006
 - CONCRETE
 - ACI 301-05 'SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS'
 - ACI 318-05 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE'
 - MASONRY
 - ACI 530-05/ASCE 5-05 'BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES'
 - ACI 530.1-05/ASCE 6-05 'SPECIFICATION FOR MASONRY STRUCTURES'
 - STEEL
 - ANSI/AISC 360-05 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS'
- SEISMIC LOADS
 - SEISMIC DESIGN CATEGORY = B
 - OCCUPANCY CATEGORY = II
 - EARTHQUAKE IMPORTANCE FACTOR, $I_e = 1.0$
 - MAPPED SPECTRAL RESPONSE ACCELERATION, $S_{s1} = 0.27$
 - MAPPED SPECTRAL RESPONSE ACCELERATION, $S_{s1} = 0.066$
 - DESIGN SPECTRAL RESPONSE COEFFICIENT, $S_{D1} = 0.285$
 - DESIGN SPECTRAL RESPONSE COEFFICIENT, $S_{D1} = 0.105$
 - SOIL SITE CLASS = D
 - BASIC STRUCTURAL SYSTEM: STEEL FRAME WITH HSS COLUMNS AND MASONRY BEARING WALLS
 - STRUCTURAL SEISMIC LATERAL SYSTEM:
 - MAIN BUILDING: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
 - POOL BUILDING: INTERMEDIATE REINFORCED MASONRY SHEARWALLS.
 - RESPONSE MODIFICATION FACTOR:
 - MAIN BUILDING: $R = 3.0$
 - POOL BUILDING: $R = 3.5$
 - SEISMIC RESPONSE COEFFICIENT:
 - MAIN BUILDING: $C_s = 0.095$
 - POOL BUILDING: $C_s = 0.081$
 - SYSTEM OVERSTRENGTH FACTOR
 - MAIN BUILDING: $\Omega = 3.0$
 - POOL BUILDING: $\Omega = 2.5$
 - DESIGN BASE SHEAR EAST-WEST DIRECTION:
 - MAIN BUILDING: = 296.0 KIPS
 - POOL BUILDING: = 91.0 KIPS
 - DESIGN BASE SHEAR NORTH-SOUTH DIRECTION:
 - MAIN BUILDING: = 296.0 KIPS
 - POOL BUILDING: = 91.0 KIPS
 - SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
- WIND LOADS
 - OCCUPANCY CATEGORY = II
 - WIND IMPORTANCE FACTOR, $I_w = 1.0$
 - BASIC WIND SPEED = 90 MPH
 - EXPOSURE CATEGORY = C
 - INTERNAL PRESSURE COEFFICIENT, $G_{Cpi} = +/- 0.18$
- DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING AND ELEMENTS DESIGNED BY THE CONTRACTOR
 - PRESSURES LISTED BELOW ARE BASED ON 10 SF EFFECTIVE WIND AREA. FINAL CALCULATIONS TO BE COMPLETED BY CONTRACTOR
 - SEE WALL CORNER AND SPECIAL ROOF ZONES DIAGRAM
 - TYPICAL WALL AREA INWARD PRESSURE = 21.0 PSF
 - TYPICAL WALL AREA OUTWARD PRESSURE = 21.0 PSF
 - WALL CORNERS(OUTWARD) = 26.0 PSF
 - TYPICAL ROOF AREA (OUTWARD) = 21.0 PSF
 - ROOF SPECIAL ZONES (EAVES, RAKES, RIDGES AND CORNERS) (OUTWARD) = 53.0 PSF
 - PARAPETS (INWARD OR OUTWARD) = 66.0 PSF
 - SCREEN WALLS (INWARD OR OUTWARD) = 66.0 PSF
 - TYPICAL NET UPLIFT FOR JOIST DESIGN = 10.0 PSF
- LATERAL LOAD RESISTING SYSTEM DESCRIPTION:
 - METAL DECK ROOF DIAPHRAGMS AND CONCRETE ON METAL DECK FLOOR DIAPHRAGMS SPANNING TO INTERMEDIATE REINFORCED MASONRY SHEAR WALLS AND STRUCTURAL STEEL BRACES. SHEAR WALLS AND BRACES REST ON GRADE BEAMS AND PILE CAPS SUPPORTED BY DRIVEN PILES

SPECIAL INSPECTION NOTES

- SPECIAL INSPECTION:
 - SPECIAL INSPECTION SHALL BE PROVIDED PER IBC 2006 SECTION 109 AND CHAPTER 17. THE LIST BELOW IS A SUMMARY OF REQUIRED INSPECTIONS. REFER TO THE SPECIFICATIONS FOR DETAILED INSPECTION REQUIREMENTS.
 - SOILS:
 - SUBGRADE AND FILL BENEATH FOOTINGS AND SLABS-ON-GRADE AND WALL BACKFILL
 - PILE DRIVING AND TESTING
 - CONCRETE:
 - STRUCTURAL CONCRETE
 - INSTALLATION OF EMBEDDED BOLTS AND PLATES SUPPORTING STRUCTURE
 - REINFORCING STEEL PLACEMENT
 - FIELD BENDING OF REINFORCING STEEL
 - REINFORCING COUPLERS
 - ANCHORED REBAR INTO HARDENED CONCRETE
 - WELDING OF REINFORCING
 - STRUCTURAL STEEL:
 - SHOP AND FIELD WELDING
 - FLOOR AND ROOF DECK FASTENING
 - HDAS IN COMPOSITE FLOOR SYSTEMS
 - SHOP INSPECTION OF EMBED PLATE ASSEMBLIES
 - COLD FORMED STRUCTURAL STEEL
 - CONNECTIONS USING POWDER ACTUATED FASTENERS
 - STAIRS AND RAILING SYSTEMS
 - DAS AND REINFORCING STEEL WELDS
 - HIGH STRENGTH BOLTING
 - STRUCTURAL MASONRY:
 - PRECONSTRUCTION TESTING
 - PRISM PREPARATION
 - MASONRY UNIT PLACEMENT
 - REINFORCING PLACEMENT
 - GROUT SPACE INSPECTION AND CLEANOUTS
 - EMBEDDED PLATES AND ANCHORS
 - GROUT AND MORTAR MIXING
 - GROUTING

STRUCTURAL DRAWING LIST

SHEET NUMBER	SHEET TITLE
S0.01	NOTES
S0.02	NOTES
S0.03	NOTES
S2.10	FIRST LEVEL - OVERALL FOUNDATION PLAN
S2.11	FIRST LEVEL - AREA 1 FOUNDATION PLAN
S2.12	FIRST LEVEL - AREA 2 FOUNDATION PLAN
S2.20	SECOND LEVEL - OVERALL FRAMING PLAN
S2.21	SECOND LEVEL - AREA 1 FRAMING PLAN
S2.22	SECOND LEVEL - AREA 2 FRAMING PLAN
S2.30	THIRD LEVEL - OVERALL FRAMING PLAN
S2.31	THIRD LEVEL - AREA 1 FRAMING PLAN
S2.32	THIRD LEVEL - AREA 2 FRAMING PLAN
S3.01	CONCRETE DETAILS
S3.02	CONCRETE DETAILS
S3.03	CONCRETE DETAILS
S3.04	CONCRETE DETAILS
S3.05	CONCRETE DETAILS
S4.01	MASONRY DETAILS
S4.02	MASONRY DETAILS
S4.10	MASONRY WALL ELEVATIONS
S4.11	MASONRY WALL ELEVATIONS
S4.12	MASONRY WALL ELEVATIONS
S4.13	MASONRY WALL ELEVATIONS
S5.01	STEEL DETAILS
S5.02	STEEL DETAILS
S5.03	STEEL DETAILS
S5.04	STEEL DETAILS
S5.05	STEEL DETAILS
S5.06	STEEL DETAILS
S5.07	STEEL DETAILS
S5.08	STEEL DETAILS
S5.09	STEEL DETAILS
S5.10	STEEL DETAILS
S5.11	STEEL DETAILS
S5.50	METAL STUD DETAILS
S5.51	METAL STUD DETAILS

ABBREVIATIONS

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

LOCATION	SUPERIMPOSED DEAD LOAD (PSF)	LIVE LOAD (PSF)	LIVE LOAD REDUCTION	PARTITION LOAD (PSF)	POINT LOAD (LB)
ROOF	17 (INCLUDES 5 ROOFING LOAD)	30 MIN UNIFORM LOAD, SEE NOTE 6B FOR SNOW LOADS	No	--	--
LOBBIES, EXIT FACILITIES, FITNESS AND ASSEMBLY AREAS	32 (INCLUDES 12 PSF DEFLECTION CONCRETE)	100	No	--	2000
MECHANICAL	32 (INCLUDES 12 PSF DEFLECTION CONCRETE)	75 + EQUIP BUT NOT LESS THAN 125	No	--	--

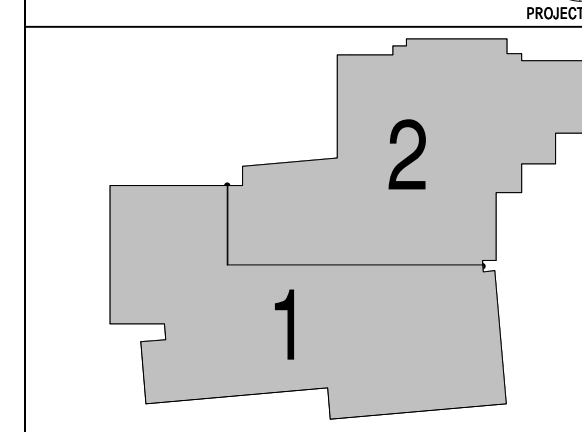


SINK COMBS DETHLEFS
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.398.0201 Fax: 303.398.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
 18499 WEST GOLDFAX AVENUE, P.O. BOX 181000, LAKWOOD, COLORADO 80428
 303.431.6100 Fax: 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

M/M Project No.: 21468.S.01

NOTES

Drawn By: DE, LB
 Checked By: BN, GS

S0.01

GENERAL NOTES

1. GENERAL:
1A. ENGINEER: REFERENCES ON THE STRUCTURAL DRAWINGS TO 'ENGINEER' MEAN THE STRUCTURAL ENGINEER OF RECORD. OTHER ENTITIES ARE SPECIFICALLY NOTED AS "CONTRACTOR'S ENGINEER", "MECHANICAL ENGINEER", ETC.

1B. THESE NOTES SUPPLEMENT THE SPECIFICATIONS, WHICH SHALL BE REFERENCED FOR ADDITIONAL REQUIREMENTS.

1C. UNDERGROUND UTILITIES: LOCATE EXISTING UTILITIES AND NOTIFY ARCHITECT OF EXISTING UTILITIES OR SUBGRADE CONDITIONS WHICH INTERFERE WITH WORK.

1D. STRUCTURAL ELEMENTS ARE CENTERED ON GRID LINES AND GRID LINE INTERSECTIONS UNLESS DIMENSIONED OTHERWISE.

2. USE OF DRAWINGS:
2A. DO NOT SCALE DRAWINGS.

2B. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DETAILS NOTED TYPICAL APPLY TO ALL SIMILAR CONDITIONS. WHERE NO SPECIFIC DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ELSEWHERE ON THE PROJECT.

3. TEMPORARY CONDITIONS:
3A. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. REFER TO "LATERAL LOAD RESISTING SYSTEM DESCRIPTION" IN DESIGN CRITERIA FOR ADDITIONAL INFORMATION.

3B. FOUNDATION WALLS SHALL NOT BE BACKFILLED UNTIL THE SLABS ON-GRADE AND UPPER SLABS ARE IN-PLACE AND REACH FULL STRENGTH UNLESS ADEQUATE BRACING IS PROVIDED. USE ONLY HAND OPERATED TOOLS FOR COMPACTION ADJACENT TO FOUNDATION WALLS AND GRADE BEAMS. GRADE BEAMS SHALL BE BACKFILLED EVENLY ON BOTH SIDES.

4. SUBMITTALS AND SUBSTITUTIONS:
4A. SUBMITTALS: REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- IF THE CONTRACTOR REQUESTS A CHANGE FROM THE STRUCTURAL DRAWINGS, IT SHALL BE APPROVED BY THE ARCHITECT AND DESIGNED BY MARTIN/MARTIN, INC. PRIOR TO SUBMITTING SHOP DRAWINGS. VARIATION SHALL BE INDICATED ON THE SHOP DRAWINGS. CONTRACTOR SHALL COMPENSATE MARTIN/MARTIN, INC. FOR MAKING THE CHANGE.
- CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR USE IN SUBMITTALS
- ALL SHOP DRAWINGS SHALL REFERENCE THE STRUCTURAL DRAWING NUMBER AND DETAIL USED TO PREPARE THE SUBMITTAL
- SUBMIT A STATEMENT OF RESPONSIBILITY FOR THE CONSTRUCTION OF THE LATERAL LOAD RESISTING SYSTEM IDENTIFIED IN THE DESIGN CRITERIA IN ACCORDANCE WITH IBC SECTION 1706
4B. SUBSTITUTIONS: ARCHITECTS APPROVAL SHALL BE SECURED FOR ALL SUBSTITUTIONS

4C. 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 MARTIN/MARTIN, INC. FOR DESIGNING THE REPAIR.

5. OSHA STANDARDS:
5A. 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.

5B. 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.

5C. WASHERS OR RINGS MAY 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.

5D. ALL METAL JOISTS REQUIRED BY OSHA TO BE BOLTED SHALL HAVE ERECTION BOLTS INSTALLED REGARDLESS OF FINAL CONNECTION SHOWN ON THE STRUCTURAL DRAWINGS.

5E. WHERE THE STRUCTURAL DRAWINGS APPEAR TO CONFLICT WITH OSHA REQUIREMENTS, THE STRUCTURAL DRAWINGS REPRESENT FINAL CONDITIONS ONLY. THE CONTRACTOR SHALL ADD ALL ERECTION FRAMING NECESSARY TO COMPLY WITH OSHA.

6. CONSTRUCTION ENGINEERING:
6A. THE STRUCTURE DEFINED ON THE CONTRACT DOCUMENTS HAS BEEN DESIGNED ONLY FOR LOADS ANTICIPATED ON THE STRUCTURE DURING ITS SERVICE LIFE. PROVIDE ALL REQUIRED ENGINEERING AND OTHER MEASURES TO ACHIEVE THE MEANS, METHODS, AND SEQUENCES OF WORK. SUCH ENGINEERING MAY INCLUDE, BUT IS NOT LIMITED TO:
- LAYOUT
- DESIGN FOR FORMWORK AND SHORING
- DESIGN OF CONCRETE MIXES
- ERECTION PROCEDURES WHICH ADDRESS STABILITY OF THE FRAME DURING CONSTRUCTION
- WELD PROCEDURES
- DESIGN OF TEMPORARY BRACING OF WALLS FOR WIND, SEISMIC, OR SOIL LOADS
- SURVEYING TO VERIFY CONSTRUCTION TOLERANCES
- EVALUATION OF TEMPORARY CONSTRUCTION LOADS ON STRUCTURE DUE TO EQUIPMENT AND MATERIALS
- STRUCTURAL ENGINEERING TO RESIST ANY OTHER LOADS NOT IDENTIFIED ON DESIGN DRAWINGS

7. COORDINATION:
7A. STRUCTURAL DRAWINGS ARE NOT STAND-ALONE DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND DRAWINGS FROM OTHER DISCIPLINES. THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS INTO SHOP DRAWINGS AND WORK.

7B. COORDINATE DIMENSIONS OF ALL OPENINGS, BLOCKOUTS, DEPRESSIONS, ETC., WITH ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER DISCIPLINES, AND FIELD CONDITIONS PRIOR TO SHOP DRAWING SUBMITTAL.

7C. SEE ARCHITECTURAL PLANS FOR INTERIOR PARTITIONS. PARTITION FRAMING SHALL BE CONNECTED TO THE PRIMARY STRUCTURE IN SUCH A WAY SO AS TO ALLOW FOR VERTICAL LIVE LOAD DEFLECTIONS OF SPAN/360 OF THE FLOOR FRAMING. DO NOT MAKE RIGID VERTICAL AND HORIZONTAL CONNECTIONS TO THE PRIMARY STRUCTURE IN THE PLANE OF THE WALL.

8. DEFERRED SUBMITTALS:
8A. 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:
- OPEN WEB STEEL JOISTS
- METAL STAIRS
- CURTAIN WALL
- METAL RAILINGS

FOUNDATION NOTES

1. DESIGN CRITERIA:
1A. THE GEOTECHNICAL REPORT PREPARED BY GROUND ENGINEERING CONSULTANTS, INC., JOB NUMBER 09-6013, DATED MAY 12, 2009, PROVIDED CRITERIA FOR THE FOUNDATION DESIGN FOR THE PROJECT.

2. DRIVEN PILES:
2A. PIER CAPACITY CRITERIA:
- MAXIMUM END BEARING PRESSURE = 12000 PSF (BASED ON STEEL PILE CROSS-SECTIONAL AREA)
- MAXIMUM UPLIFT CAPACITY = 2400 PSF (BASED ON STEEL PILE CROSS-SECTIONAL AREA)
- MAXIMUM BATTER FOR LATERAL LOAD RESISTING PILES: 1:4 (HORIZONTAL:VERTICAL)
- MAXIMUM PILE SPACING WITHOUT VERTICAL CAPACITY REDUCTION: 3 x PILE DIAMETER
- MAXIMUM PILE SPACING WITHOUT HORIZONTAL CAPACITY REDUCTION: 6 x PILE DIAMETER
- HORIZONTAL MODULUS OF SUBGRADE REACTION (K) 5 FT TO 30 FT: 30 TCF
- HORIZONTAL MODULUS OF SUBGRADE REACTION (K) 30 FT TO BEDROCK: 230 TCF
- HORIZONTAL MODULUS OF SUBGRADE REACTION (K) CLAY SHALE BEDROCK: 400 TCF

3. FOUNDATION WALLS AND SITE RETAINING WALLS:
3A. EQUIVALENT FLUID PRESSURES USED FOR WALL DESIGN:
- "ACTIVE" CONDITION = 55 PCF
- "AT REST" CONDITION = 75 PCF
- "PASSIVE" CONDITION = 270 PCF (2700 PSF MAXIMUM)
- ULTIMATE COEFFICIENT OF FRICTION USED IN DESIGN TO RESIST LATERAL LOADS = 0.3

3B. WALL DESIGN BASED ON ON-SITE BACKFILL MATERIAL. SEE GEOTECHNICAL REPORT FOR REQUIREMENTS.

CONCRETE NOTES

1. GENERAL:
1A. ALL WORK SHALL CONFORM WITH ACI 301, LATEST EDITION, UNLESS NOTED OTHERWISE IN DRAWINGS OR PROJECT SPECIFICATIONS.

1B. DETAIL BARS IN ACCORDANCE WITH THE LATEST EDITIONS OF PUBLICATION SP-66: "ACI DETAILING MANUAL" WITH ADDED REQUIREMENTS OF THE PROJECT SPECIFICATION AND ACI 318: "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE."

2. REINFORCING MATERIALS:
2A. SEE "REINFORCING MATERIALS TABLE"

3. REINFORCING FABRICATION:
3A. SPLICES:
- NO SPLICING OF REINFORCEMENT PERMITTED EXCEPT AS NOTED ON DRAWINGS. MAKE BARS CONTINUOUS AROUND CORNERS. WHERE PERMITTED, SPLICES MAY BE MADE BY CONTACT LAPS OR MECHANICAL CONNECTORS.
- SEE "LAP SPLICE SCHEDULE" FOR LAP LENGTHS.

3B. MISCELLANEOUS REINFORCING REQUIREMENTS:
- PROVIDE ADDITIONAL BARS OR STIRRUPS REQUIRED TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACEMENT.
- MAKE ALL REINFORCING BAR BENDS IN THE FABRICATOR'S SHOP UNLESS NOTED.
- NO WELDING OF REINFORCING PERMITTED UNLESS NOTED ON DRAWINGS. WHERE PERMITTED, PERFORM WELDING IN ACCORDANCE WITH AWS D1.4, LATEST EDITION.
- PROVIDE ADDED REINFORCING TO TRIM ALL OPENINGS, NOTCHES, AND REENTRANT CORNERS AS NOTED IN TYPICAL DETAILS.

3C. INCLUDE IN THE BID THE COST FOR THE MATERIAL, FABRICATION AND PLACING OF 1000 LINEAR FEET OF #5 REINFORCING BARS AND 800 LINEAR FEET OF #6 REINFORCING BARS. THE REINFORCING WILL BE ADDED TO THE SHOP DRAWINGS AND IN FIELD OBSERVATION REPORTS BY THE ENGINEER AS "ADDED PER GENERAL NOTES." AN UP-TO-DATE TOTAL OF LINEAR FEET ADDED WILL BE MAINTAINED AND SUBANTIATED BY SHOP DRAWINGS AND FIELD OBSERVATION REPORTS.

4. STRUCTURAL CONCRETE MIX REQUIREMENTS:
4A. SEE CONCRETE MIX TABLE

REINFORCING MATERIAL TABLE				
REINF ELEMENT	ASTM	Fy (KSI)	Fu (KSI)	COMMENTS
TYP REINFORCING	A615	60	90	--
WELDED & FIELD BENT REINF	A706	60	80	--
WELDED WIRE REINFORCING, SMOOTH	A185	65	75	--
WELDED WIRE REINFORCING, DEFORMED	A497	70	80	--

CONCRETE MIX TABLE											
CONC. MIX TYPE	INTENDED USE	28 DAY STRENGTH (f'c) (KSI)	CONCRETE WEIGHT	MAX W/C RATIO, INCLUDING FLY ASH	MIN CEMENT MATERIAL (#/CY), INCLUDING FLY ASH	MAX AGGREGATE SIZE (IN), NOTE a	SUMP LIMITS (IN), TOLERANCE = +1", -1"	TOTAL AIR CONTENT (%), NOTE b	CEMENT TYPE	REQUIRED ADMIXTURES, NOTE c	OTHER REQUIREMENTS, NOTE d
1	CONCRETE IN DRIVEN PIPE PILES	4.5	NWC	0.45	470	1	7	--	I/II	NOTE e	HRNP
2	GRADE BMS, TIE BMS, PILE CAPS	4.5	NWC	0.45	470	3/4	4	5	I/II	AE	--
3	WALLS, COLUMNS	4.5	NWC	0.45	517	3/4	4	--	I/II	--	--
4	INT TOPPING SLABS, SLABS ON DECK	3.5	NWC	0.50	517	3/4	4	NP	I/II	--	--
5	INT SLABS ON GRADE	4.5	NWC	0.45	517	1	4	NP	I/II	--	--
6	SLAB ON GRADE WITH MOISTURE SENSITIVE FLOORING	4.5	NWC	0.45	517	1	4	NP	I/II	WRA	SOG
7	ALL CONC OTHERWISE NOT SPECIFIED	4.5	NWC	0.45	517	3/4	4	6	I/II	AE	--

CONCRETE MIX TABLE NOTES:
a. FOR THE MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER ASTM C33:
3/4": #67 AGGREGATE
1": #57 AGGREGATE

b. TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR +/- 1.1/2%. 'NP' IN COLUMN INDICATES ADDITION OF ENTRAINED AIR IS NOT PERMITTED.

c. ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS:
AE = AIR-ENTRAINING ADMIXTURE. DO NOT USE ENTRAINED AIR FOR STEEL TROWELED FINISHED FLOORS.
WRA = WATER REDUCING ADMIXTURE.

d. ABBREVIATIONS FOR OTHER REQUIREMENTS AS FOLLOWS:
MSS = MAXIMUM SHRINKAGE STRAIN LIMITED, RE: SPECS
HRNP = HIGH RANGE WATER REDUCING ADMIXTURE SHALL NOT BE USED TO OBTAIN HIGH SLUMP UNLESS DATA ARE SUBMITTED DEMONSTRATION SLUMP IS NOT LOST UNTIL CONCRETE IS OVER 90 MINUTES OLD.
SOG = CONTRACTOR TO VERIFY ALKALINITY OF CONCRETE SURFACE, SLAB VAPOR TRANSMISSION, AND SLAB FLATNESS/LEVELNESS ARE COMPATIBLE WITH FLOORING SYSTEM AND ADHESIVES PRIOR TO INSTALLING FLOORING. PROVIDE THE AMOUNT OF CEMENTITIOUS MATERIALS LISTED. DO NOT USE LESS AND DO NOT USE OVER 5% MORE

e. FOR DRIVEN PILES FILLED DURING CONSTRUCTION PROVIDE CONCRETE MIX WITH FLOWABILITY TO PREVENT ARCHING ACROSS PILE.

f. FOR CONCRETE PLACED BY PUMPING PROVIDE CONCRETE MIX FLOWABILITY TO FACILITATE PUMPING. ENTRAINED AIR MAY BE USED IF IT CAN BE SHOWN THAT THE FLOOR WILL HAVE A FINISH ACCEPTABLE TO THE ARCHITECT WITHOUT BLISTERS.

5. SLAB-ON-GRADE:
5A. VERIFY ALKALINITY OF CONCRETE SURFACE, SLAB VAPOR TRANSMISSION, AND SLAB FLATNESS/LEVELNESS ARE COMPATIBLE WITH FLOORING SYSTEM AND ADHESIVES PRIOR TO INSTALLING FLOORING.

5B. TAKE PRECAUTIONS TO MINIMIZE SLAB CURLING. GRIND SLAB OR USE LEVELING COMPOUND IF FLOOR FLATNESS AND LEVELNESS VALUES ARE NOT ACCEPTABLE TO THE ARCHITECT.

6. NON-SHRINK GROUT:
6A. CONFORM TO ASTM C1107, GRADES B, OR C.

6B. ACHIEVE 6000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

7. PLACING REINFORCEMENT:
7A. REINFORCEMENT PROTECTION:
- SEE "CONCRETE COVER TABLE"

8. CONSTRUCTION/CONTROL JOINTS:
8A. SUBMIT DRAWINGS SHOWING CONSTRUCTION AND CONTROL JOINT LOCATIONS ALONG WITH THE SEQUENCE OF POURS. CONSTRUCTION JOINT LOCATIONS AND CASTING SEQUENCE SHALL BE ARRANGED TO MINIMIZE THE EFFECTS OF ELASTIC AND LONG-TERM SHORTENING/SHRINKAGE.
8B. 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.

8C. LOCATE CONSTRUCTION JOINTS IN SLABS-ON-DECK AND STRUCTURAL SLABS FOR A MAXIMUM LENGTH OF 150 FEET WITH A MAXIMUM AREA OF 15,000 SQUARE FEET.

8D. SHEAR FRICTION JOINTS: WHERE CONSTRUCTION JOINTS ARE LABELED AS "ROUGHENED" ON THE DRAWINGS, THE ENTIRE JOINT SURFACE SHALL BE MECHANICALLY ROUGHENED TO A 1/4" AMPLITUDE AND THOROUGHLY CLEANED. EXPOSE THE COURSE AGGREGATE IN THE HARDENED CONCRETE AND REMOVE ALL LOOSE MATERIAL.

9. MEP AND OTHER OPENINGS AND EMBEDMENTS:
9A. PROVIDE SLEEVES AT OPENINGS (SUCH AS THOSE REQUIRED FOR PLUMBING AND ELECTRICAL PENETRATIONS) BEFORE PLACING CONCRETE. REMOVE METAL DECK AT SLEEVES AFTER CONCRETE HAS CURED. DO NOT CUT REINFORCING WHICH MAY CONFLICT. CORING OF CONCRETE IS NOT PERMITTED.

9B. REFER TO TYPICAL DETAILS FOR SPACING LIMITS ON SLEEVES AND FOR REQUIREMENTS FOR EMBEDDED CONDUIT AND PIPE.

CONCRETE COVER	
CASE	COVER (IN)
COLUMNS, GIRDERS, AND BEAMS	1 1/2
CONCRETE PLACED AGAINST EARTH	3
CONCRETE PLACED IN FORMS, EXPOSED TO WEATHER OR EARTH	2
SLABS OR WALLS NOT EXPOSED TO EARTH OR WEATHER	1

MASONRY NOTES

1. DEFINITIONS:
1A. STRUCTURAL MASONRY IS DEFINED AS BEING EITHER LOAD BEARING AND/OR SERVING AS PART OF THE LATERAL LOAD RESISTING SYSTEM. STRUCTURAL MASONRY IS SHOWN ON THE STRUCTURAL PLANS AND DEFINED IN SCHEDULES AND DETAILS ON THE STRUCTURAL DRAWINGS.

1B. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, THICKNESS AND EXTENT OF MASONRY PARTITIONS. SEE DETAILS ON THE STRUCTURAL DRAWINGS FOR GENERAL MASONRY PARTITION REQUIREMENTS.

1C. SEE ARCHITECTURAL DRAWINGS FOR ALL MASONRY VENEER REQUIREMENTS. SEE DETAILS ON THE STRUCTURAL DRAWINGS FOR MASONRY VENEER LOOSE LINTELS.

2. DESIGN STRENGTH:
2A. DEVELOP 2000 PSI COMPRESSIVE STRENGTH (f'm) IN 28 DAYS.

2B. STEEL REINFORCING:
- PRIMARY REINFORCING: ASTM A615, 60 KSI
- HORIZONTAL JOINT REINFORCING: ASTM A82, PREFABRICATED, LADDER TYPE

3. SPLICES:
3A. SEE MASONRY LAP SPLICE SCHEDULE FOR LAP LENGTHS

4. INSTALLATION REQUIREMENTS:
4A. GROUT SOLID ALL CELLS CONTAINING REINFORCING, EMBEDDED ITEMS, AND ALL OTHER CELLS NOTED ON THE CONTRACT DOCUMENTS.

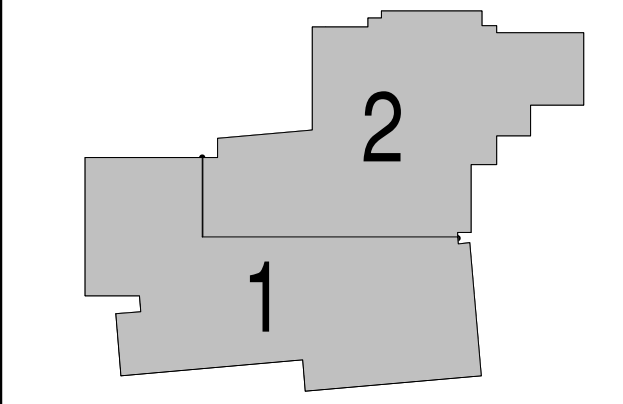


Sink Combs Dethlefs
Copyright © Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.398.0201
FAX: 303.398.0222



MARTIN/MARTIN
CONSULTING ENGINEERS
12499 WEST GOLDFAX AVENUE
P.O. BOX 1763000
LAKWOOD, COLORADO 80216
303.431.6100
FAX 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

M/M Project No.: 21468.S.01

NOTES

Drawn By: DE, LB
Checked By: BN, GS

S0.02

STEEL NOTES

1. CONNECTIONS:
 - 1A. PROVIDE CONNECTIONS AS SHOWN IN THE 'STEEL BEAM CONNECTION SCHEDULES' AND DETAILS HEREIN. REFER TO SPECIFICATION FOR ALTERNATIVES AND CONNECTIONS NOT SHOWN.
 2. WELDING REQUIREMENTS:
 - 2A. WELDERS: HAVE IN POSSESSION CURRENT EVIDENCE OF PASSING THE APPROPRIATE A.W.S. QUALIFICATION TESTS.
 - 2B. MINIMUM WELDS: AISC SPECIFICATION, NOT LESS THAN 3/16" FILLET, CONTINUOUS UNLESS OTHERWISE NOTED.
 - 2C. WELD SIZES AND LENGTHS CALLED FOR ON THE DRAWINGS ARE THE NET EFFECTIVE REQUIRED. INCREASE WELD SIZE IF GAPS EXIST AT THE FAYING SURFACE.
 - 2D. WELD SIZES SHALL BE AS SHOWN UNLESS A GREATER SIZE IS REQUIRED BY ANS/AISC 360-05 TABLES J2.3 AND J2.4.
 - 2E. ALL GROOVE WELDS SHALL BE COMPLETE PENETRATION UNLESS NOTED.
 - 2F. FIELD WELDING SYMBOLS INDICATE SUGGESTED CONSTRUCTION PROCEDURES.
 3. COMPOSITE GRAVITY FRAMING:
 - 3A. COMPOSITE BEAMS ARE DESIGNED ASSUMING STUDS ARE INSTALLED IN THE WEAK POSITION ($R_p = 0.6$). SEE TYPICAL METAL DECK DETAILS FOR PLACEMENT REQUIREMENTS.
 - 3B. COMPOSITE GIRDERS ARE DESIGNED ASSUMING STUDS ARE WELDED THROUGH THE METAL DECK AND/OR METAL DECKING/SHEET STEEL COVERS MORE THAN HALF OF THE TOP FLANGE ($R_p = 0.75$). SEE TYPICAL METAL DECK DETAILS FOR PLACEMENT REQUIREMENTS.
 4. CAMBER:
 - 4A. 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.
 - 4B. VALUE NOTED ON PLAN IS IN-PLACE CAMBER, AFTER ERECTION, PRIOR TO PLACING CONCRETE. ADJUST FABRICATION AS REQUIRED TO ACHIEVE CAMBER SPECIFIED WITHIN TOLERANCES.
 5. STRUCTURAL STEEL INSTALLATION:
 - 5A. ALL HIGH STRENGTH BOLTS USED IN COLUMN SPICES, CONNECTIONS OF BEAMS AND GIRDERS TO COLUMNS, AND WHERE NOTED ON THE DRAWINGS AS TYPE 'SC' OR OTHER TYPE FOLLOWED BY 'PT', SHALL BE TENSIONED TO THE VALUES OF TABLE J3.1 OF ANS/AISC 360-05. OTHER HIGH-STRENGTH BOLTS MAY BE INSTALLED SNUG TIGHT AS DEFINED BY AISC.
 6. STEEL JOISTS:
 - 6A. DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS, LATEST EDITION.
 - 6B. SIZE, TYPE, AND SPACING OF JOIST BRIDGING PER CURRENT SJI REQUIREMENTS. USE 'X' BRIDGING AT DISCONTINUOUS ENDS OF BRIDGING UNLESS OTHERWISE NOTED ON PLANS OR DETAILS.
 - 6C. REFER TO PLANS, DETAILS, AND SPECIAL JOIST LOADING DIAGRAMS FOR ADDITIONAL JOIST DESIGN REQUIREMENTS INCLUDING UNBALANCED, CONCENTRATED, AXIAL, AND UPLIFT LOADS.
 - 6D. DESIGN JOISTS AND BRIDGING FOR NET UPLIFT FORCES INDICATED IN DESIGN CRITERIA.
 7. METAL DECK:
 - 7A. SEE 'METAL DECK SCHEDULE' FOR MATERIALS, PROFILE, AND CONNECTIONS TO STRUCTURE.
 - 7B. DECK DESIGN IS IN ACCORDANCE WITH STEEL DECK INSTITUTE (SDI) PUBLICATION NO. 31 AND DIAPHRAGM DESIGN MANUAL, LATEST EDITIONS.
 - 7C. PLACE CONCRETE ON METAL DECK IN ACCORDANCE WITH SDI PUBLICATION NO. 31 TO LIMIT CONSTRUCTION LOADS TO ALLOWABLE MAGNITUDES.
 - 7D. REINFORCE OPENINGS IN METAL ROOF DECK AND FLOOR DECK SUPPORTING CONCRETE FILL IN ACCORDANCE WITH TYPICAL DECK OPENING DETAILS.
 - 7E. INSTALL DECK OVER 4 SUPPORTS (3 SPAN CONTINUOUS) UNLESS NOTED OTHERWISE. DO NOT INSTALL DECK AS SINGLE SPAN UNLESS SPECIFICALLY SHOWN ON DRAWINGS.
 - 7F. PROVIDE DECK ATTACHMENTS AS NOTED ON DRAWINGS.
 - 7G. HANGERS: SEE TYPICAL METAL DECK DETAILS FOR ALLOWABLE HANGER LOADS, SPACING AND ATTACHMENT.
 8. STRUCTURAL COLD FORMED METAL FRAMING:
 - 8A. REFER TO SCHEDULE FOR REQUIRED STUD MATERIAL GRADES AND SECTION PROPERTIES. REFER TO DETAILS FOR CONNECTIONS AND OTHER REQUIREMENTS.
 - 8B. REFER TO DETAILS FOR MINIMUM CONNECTIONS AND OTHER REQUIREMENTS. DO NOT IMPOSE FORCES ON THE BUILDING STRUCTURE IN DIRECTIONS OR AT LOCATIONS OTHER THAN THAT SHOWN ON THE STRUCTURAL DRAWINGS. CONNECTIONS TO CONCRETE SHALL NOT USE PAFs TO RESIST TENSION LOADS.

STEEL MATERIAL TABLE				
STEEL ELEMENT	ASTM/TYPE	Fy (KSI)	Fu (KSI)	COMMENTS
ADHESIVE	RE 500 SD	--	--	
ADHESIVE ANCHORS	A193 B7	--	125	THREADED ROD
ANCHOR RODS	F1554 GR 55	55	75	WELDABLE, HEAVY HEX HEADED
BOLTS	A325 OR F1852	--	120	BOLTS ARE 3/4" UNO, USE TENSION-CONTROLLED WHERE POSSIBLE
COLD-FORMED STUDS/PLATE, 16 GAGE OR HEAVIER		50	--	
COLD-FORMED STUDS/PLATE, 20-18 GAGE		33	--	
COLD-FORMED TRACK, ALL GAGES		33	--	
DAS	A496	70	80	
EXPANSION ANCHORS	HILTI KWIK BOLT TZ OR EQUIV	--	--	SUBMIT ICC EVALUATION REPORT
HAS	A108	51	65	STUDS ARE 3/4" UNO
OTHER SHAPES	A36	36	58	
PIPE	A53 GR B	35	60	
PLATES	A36	36	58	
RECT HSS	A500 GR B	46	58	
ROUND HSS	A500 GR B	42	58	
SCREW ANCHORS	HILTI HUS-H OR EQUIV	--	--	SUBMIT ICC EVALUATION REPORT
SLEEVE ANCHORS	HILTI HLC OR EQUIV	--	--	SUBMIT ICC EVALUATION REPORT
WELDING ELECTRODES	E70	--	--	PER AWS
WF, WT	A992	50	65	

METAL GAGE CONVERSION	
GAUGE	MINIMUM THICKNESS (MILS)
12	97
14	68
16	54
18	43
20	33
22	27

WOOD NOTES

- 1A. LAMINATED MEMBER SIZES (GLU-LAM), SIZES ARE NET; OTHER MEMBER SIZES ARE NOMINAL.
- 2A. DECKING: GLUE-LAMINATED DECKING SHALL BE SELECT AND HAVE THE FOLLOWING MINIMUM DESIGN VALUES:
 - A. BENDING STRESS = 2585 PSI
 - B. MODULUS OF ELASTICITY = 1,800,000 PSI
 - C. SHEAR STRESS = 165 PSI
- 3A. NAILING: UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE COMMON NAILS WITH SIZES SHOWN ON THE DRAWINGS. ALL NAILING SHALL BE IN ACCORDANCE WITH THE NAILING SCHEDULE IBC 2006 TABLE 2304.9.1. UNLESS NOTED OTHERWISE ON DRAWINGS.
- 4A. OPENINGS: OPENINGS, POCKETS, ETC., SHALL NOT BE PLACED IN BEAMS, JOISTS, RAFTERS, STUDS, POSTS, COLUMNS, TIMBER AND OTHER STRUCTURAL MEMBERS UNLESS DETAILED ON THE STRUCTURAL DRAWINGS.

All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.



09-22-09

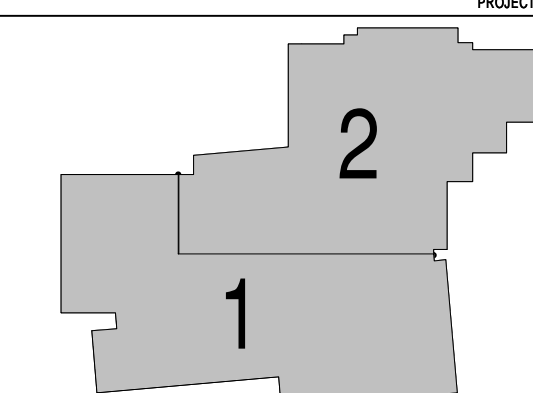
SINK COMBS DETHLEFS

Copyright by Sink Combs Dethlefs, P.C.
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.368.0201 FAX 303.368.0222



18499 WEST GOLDFAX AVENUE
 P.O. BOX 185000
 LAKWOOD, COLORADO 80428
 303.431.6100 FAX 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

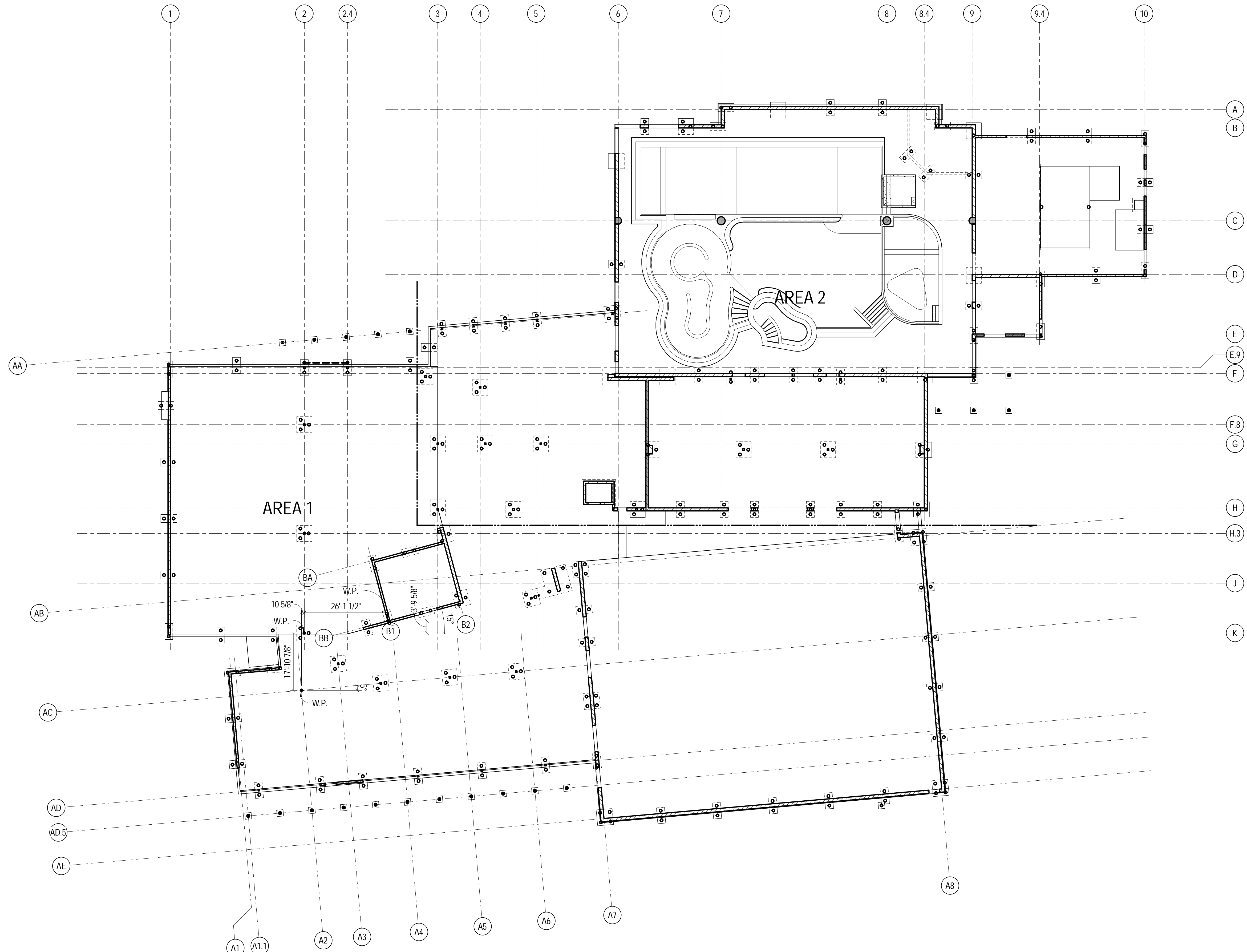
FRUITA COLORADO

M/M Project No.: 21468.S.01

NOTES

Drawn By: DE, LB
 Checked By: BN, GS

S0.03



FIRST LEVEL - OVERALL FOUNDATION PLAN

1/16" = 1'-0"

FOUNDATION NOTES

1. SEE S0 SERIES SHEETS FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
2. SEE S3 SERIES SHEETS FOR TYPICAL CONCRETE DETAILS.
3. SEE S3.02 FOR TYPICAL SLAB-ON-GRADE DETAILS.
4. SEE ARCHITECTURAL DRAWINGS FOR VAPOR RETARDER LOCATIONS. CONTRACTOR SHALL INSTALL VAPOR RETARDER PER RECOMMENDATIONS OF PCA AND ACI 302.1R-04.
5. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SLAB SLOPES, DEPRESSIONS, FILL, PADS, AND CURBS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
6. PILE CAPS ARE EQUALLY SPACED UNLESS NOTED OTHERWISE. PILE CAPS ARE DIMENSIONED FROM CENTROID OF PILE CAP UNLESS NOTED OTHERWISE. REF 17/S3.03 FOR PILE CAP CENTROID LOCATIONS.
7. SEE S3.03 FOR TYPICAL PILE DETAILS.
8. SEE S3.04 FOR TYPICAL FOUNDATION WALL DETAILS.
9. SEE S4.01 FOR TYPICAL STRUCTURAL MASONRY WALL DETAILS.
10. MASONRY PARTITION WALLS ARE NOT SHOWN. SEE S4.02 FOR TYPICAL MASONRY PARTITION WALL DETAILS. ALL MASONRY PARTITION WALLS LESS THAN 15'-0" TALL SHALL BE TYPE MW8A. MASONRY PARTITION WALLS GREATER THAN 15'-0" SHALL BE TYPE MW8B.
11. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF ALL MASONRY WALLS.
12. SEE ELEVATIONS FOR STRUCTURAL MASONRY WALL TYPE. ALL STRUCTURAL MASONRY WALLS NOT SHOWN IN ELEVATION TO BE TYPE MW8B.
13. EXTERIOR METAL STUD WALLS PER SCHEDULE 2/55.50 UNLESS NOTED OTHERWISE.

All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.

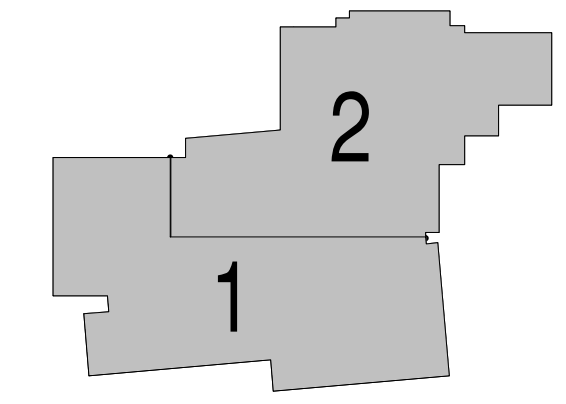


SINK COMBS DETHLEFS
 Copyright © Sink Combs Dethlefs, P.C.
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.398.0201
 303.398.0202
 FAX 303.398.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
 12499 WEST GOLDFAX AVENUE
 P.O. BOX 193400
 LAKEWOOD, COLORADO 80218
 303.431.6100
 FAX 303.431.6866

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

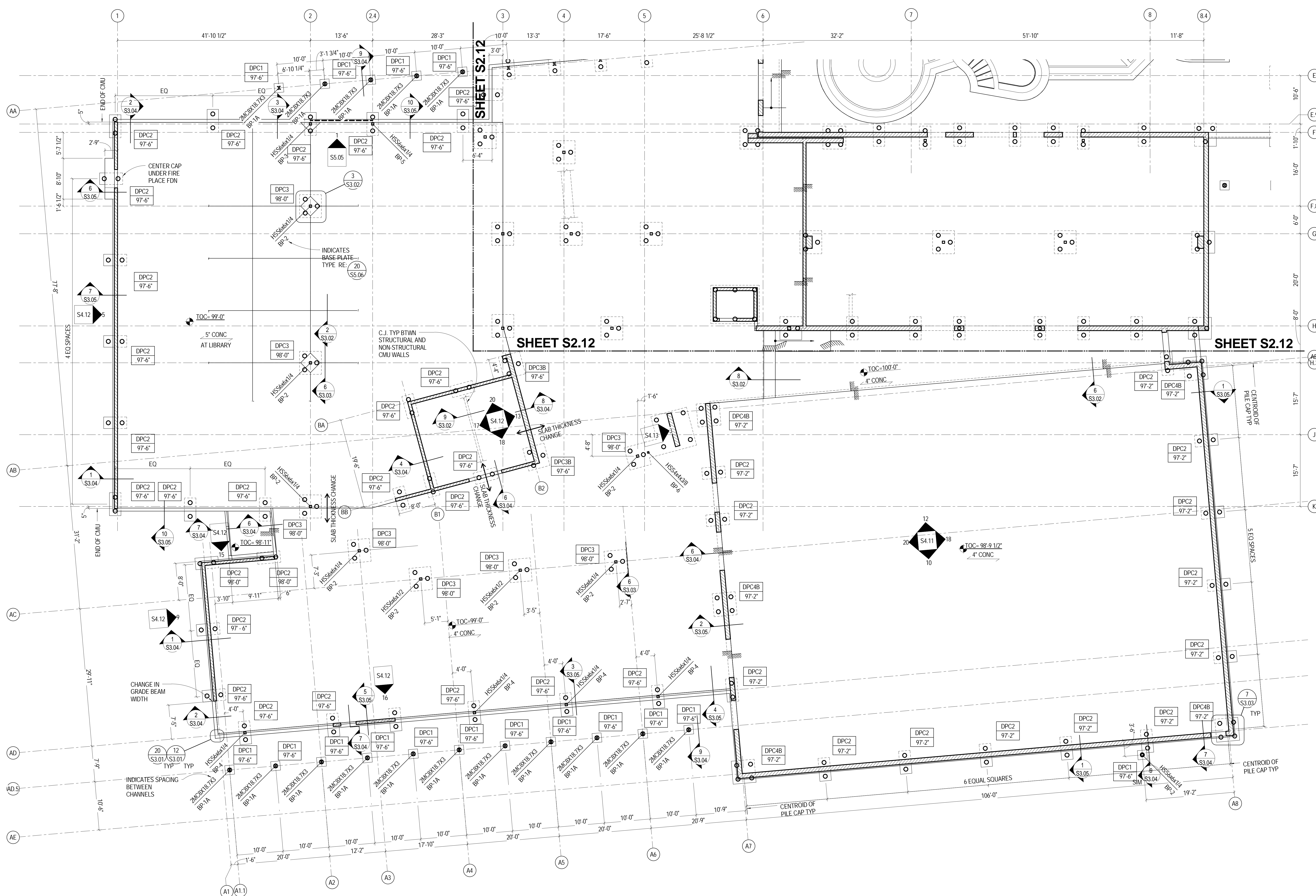
M/M Project No.: 21468.S.01

FIRST LEVEL - OVERALL FOUNDATION PLAN

Drawn By: DE, LB
 Checked By: BN, GS

S2.10

\\Structur\PROJECTS\21468_01\Rev\21468.S.01
Fruita Rec.mt



FIRST LEVEL - AREA 1 FOUNDATION PLAN
1/8" = 1'-0"
RE: S2.10 FOR FOUNDATION PLAN NOTES.

All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.

09-22-09

SINK COMBS DETHLEFS
Copyright by Sink Combs Dethlefs, P.C.
475 Lincoln Street, Denver, Colorado 80203
303.398.0200
Scale 1/8" = 1'-0"
FAX 303.398.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE
P.O. BOX 185000
LAKWOOD, COLORADO 80188
303.431.6100
FAX 303.431.6886

KEY PLAN

Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

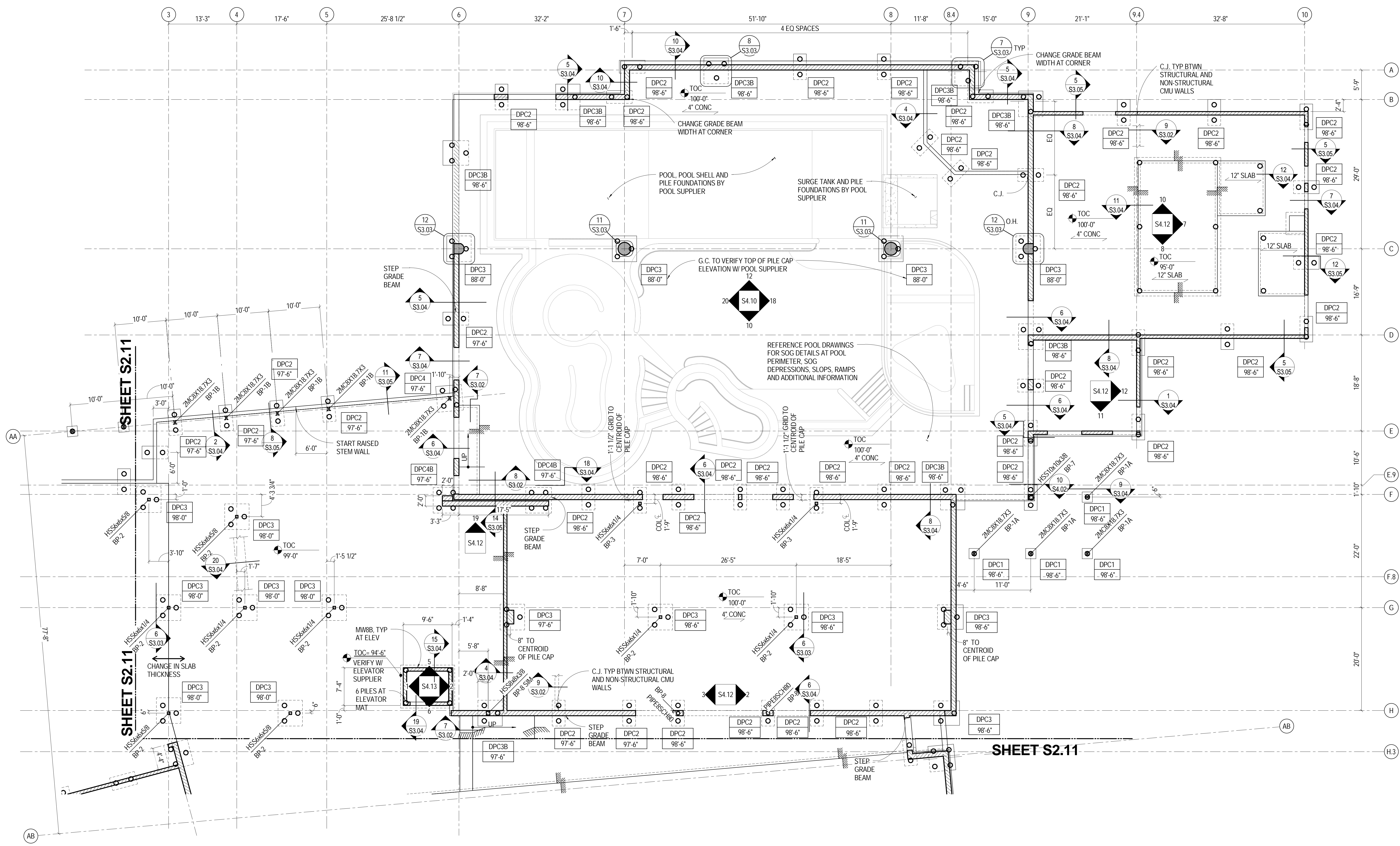
M/M Project No.: 21468.S.01

FIRST LEVEL - AREA 1 FOUNDATION PLAN

Drawn By: DE, LB
Checked By: BN, GS

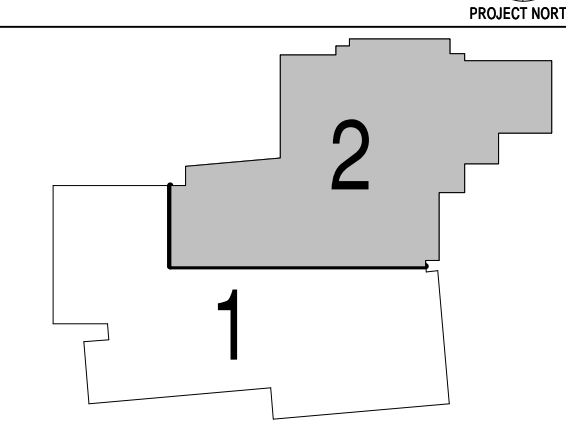
S2.11

MM JOB #: 21468.S.01
PRINCIPAL: BEN NELSON
EOR: BEN NELSON
PROJECT MANAGER: GARTH SCHOL
DESIGNERS: GARTH SCHOL
DATE PRINTED: 9/22/2009 8:34:07 AM



FIRST LEVEL - AREA 2 FOUNDATION PLAN
 1/8" = 1'-0"
 RE: S2.10 FOR FOUNDATION PLAN NOTES.

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

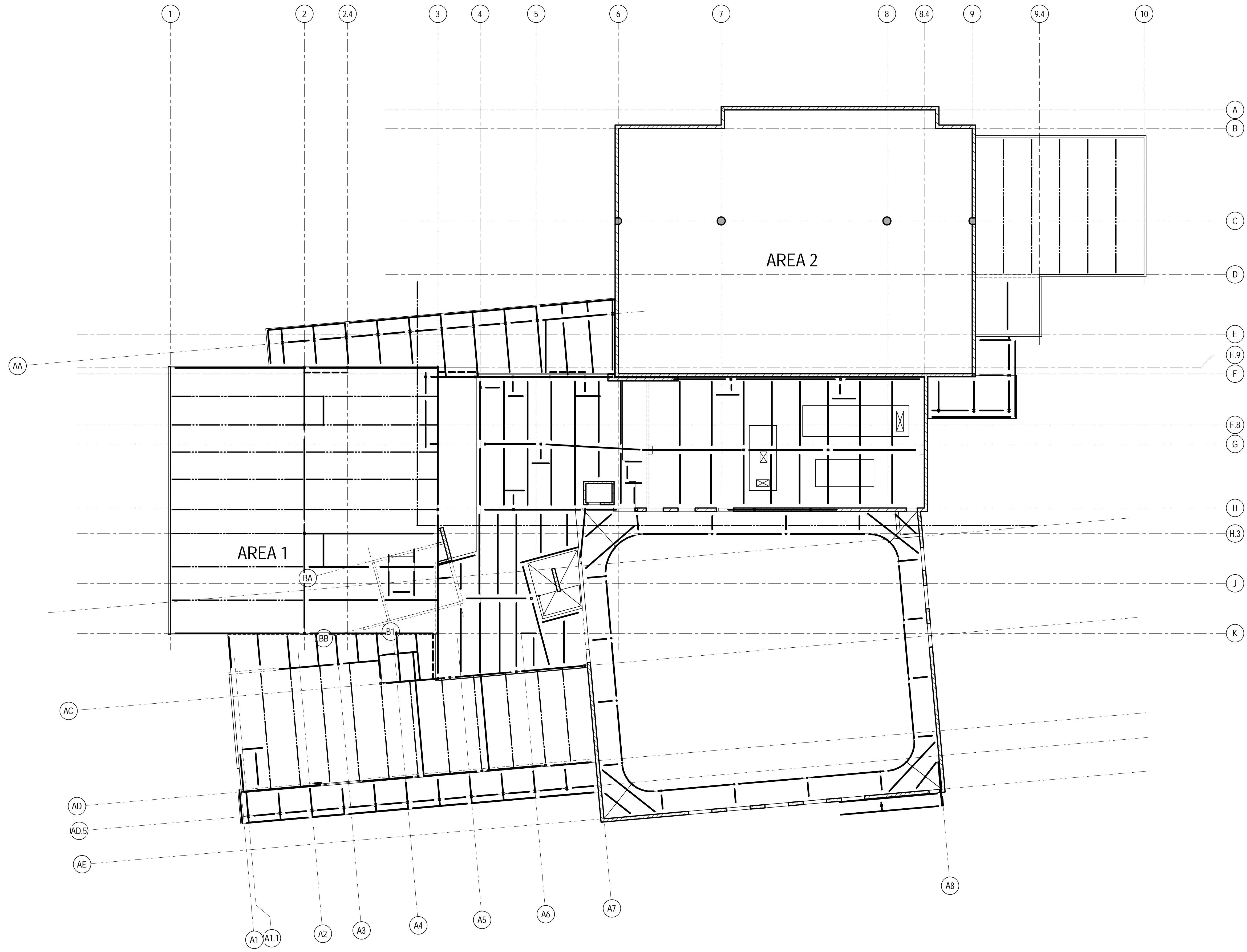
FRUITA COLORADO

M/M Project No.: 21468.S.01

FIRST LEVEL - AREA 2 FOUNDATION PLAN

Drawn By: DE, LB
 Checked By: BN, GS

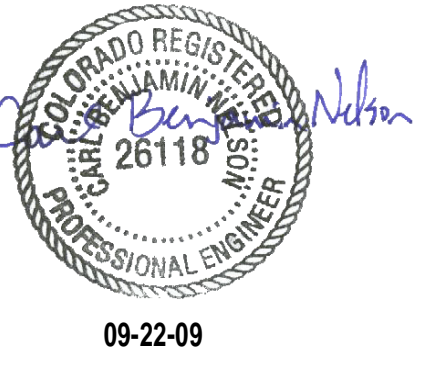
S2.12



SECOND LEVEL - OVERALL FRAMING PLAN
 1/16" = 1'-0"

- STEEL FLOOR FRAMING PLAN NOTES
- SEE S0 SERIES SHEETS FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
 - SEE S5 SERIES SHEETS FOR TYPICAL STEEL DETAILS.
 - SEE S5.04 FOR TYPICAL METAL DECK DETAILS AND SCHEDULE.
 - SCREED CONCRETE TO PROVIDE LEVEL FLOOR.
 - SPACE BEAMS AND JOISTS EQUALLY BETWEEN GRID LINES UNLESS DIMENSIONED OTHERWISE.
 - TOP OF BEAM ELEVATION = BOTTOM OF METAL DECK UNLESS NOTED OTHERWISE ON PLAN.
 - SEE 2055.08 FOR JOIST LOADING AND DESIGN CRITERIA FOR NONSTANDARD JOISTS NOTED AS 'SPECIAL' OR 'SP'.
 - CONTRACTOR TO VERIFY ALL EQUIPMENT WEIGHTS, SIZES, LOCATIONS, AND OPENINGS REEQUIRED WITH MECHANICAL CONTRACTOR. CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY CHANGES IN THE WEIGHTS OR LOCATIONS SHOWN ON THE DRAWINGS. SUCH CHANGES IN CONDITIONS SHALL BE SUBJECT TO STRUCTURAL ENGINEER REVIEW. RE: MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL OPENINGS NOT SHOWN.
 - MECHANICAL EQUIPMENT WEIGHTS, IN KIPS, NOTED ON PLAN THUS: X.X.k. MECHANICAL EQUIPMENT WEIGHT SHALL BE EVENLY DISTRIBUTED TO ALL SUPPORTING MEMBERS. EQUIPMENT TO BE PLACED ON TWO BEAMS MINIMUM.

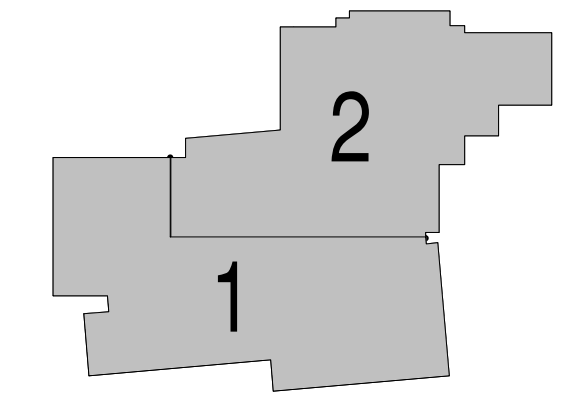
All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.



SINK COMBS DETHLEFS
 Copyright by Sink Combs Dethlefs, P.C.
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.398.0200
 303.398.0201
 FAX 303.398.0222



KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

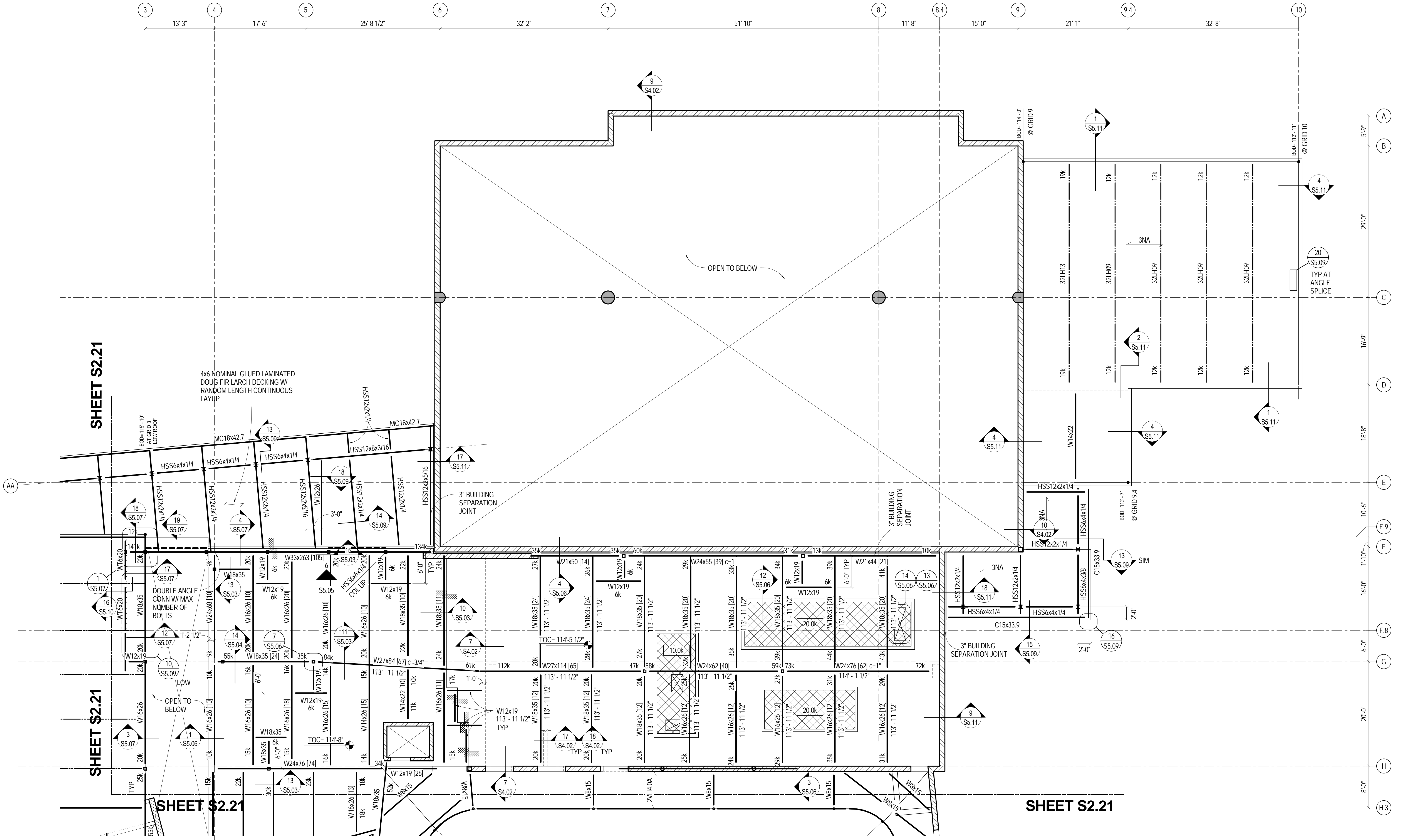
FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

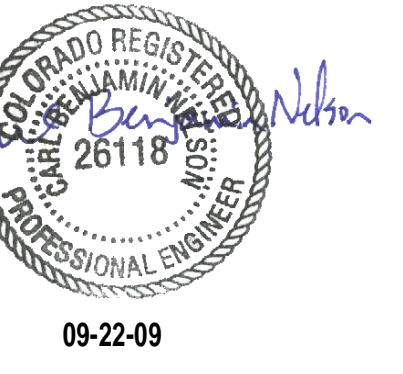
M/M Project No.: 21468.S.01

SECOND LEVEL - OVERALL FRAMING PLAN

Drawn By: DE, LB
 Checked By: BN, GS



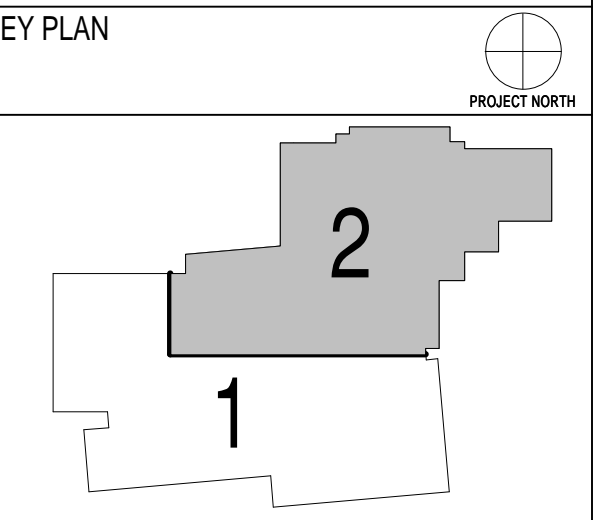
SECOND LEVEL - AREA 2 FRAMING PLAN
 1/8" = 1'-0"
 RE: S2.20 FOR FRAMING PLAN NOTES.



SINK COMBS DETHLEFS
 Copyright by Sink Combs Dethlefs, P.C.
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.398.8200
 FAX: 303.392.0222



MARTIN/MARTIN
 CONSULTING ENGINEERS
 12499 WEST GOLFAX AVENUE
 P.O. BOX 155 KOD
 LAKEWOOD, COLORADO 80116
 303.431.6100
 FAX 303.431.6886



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

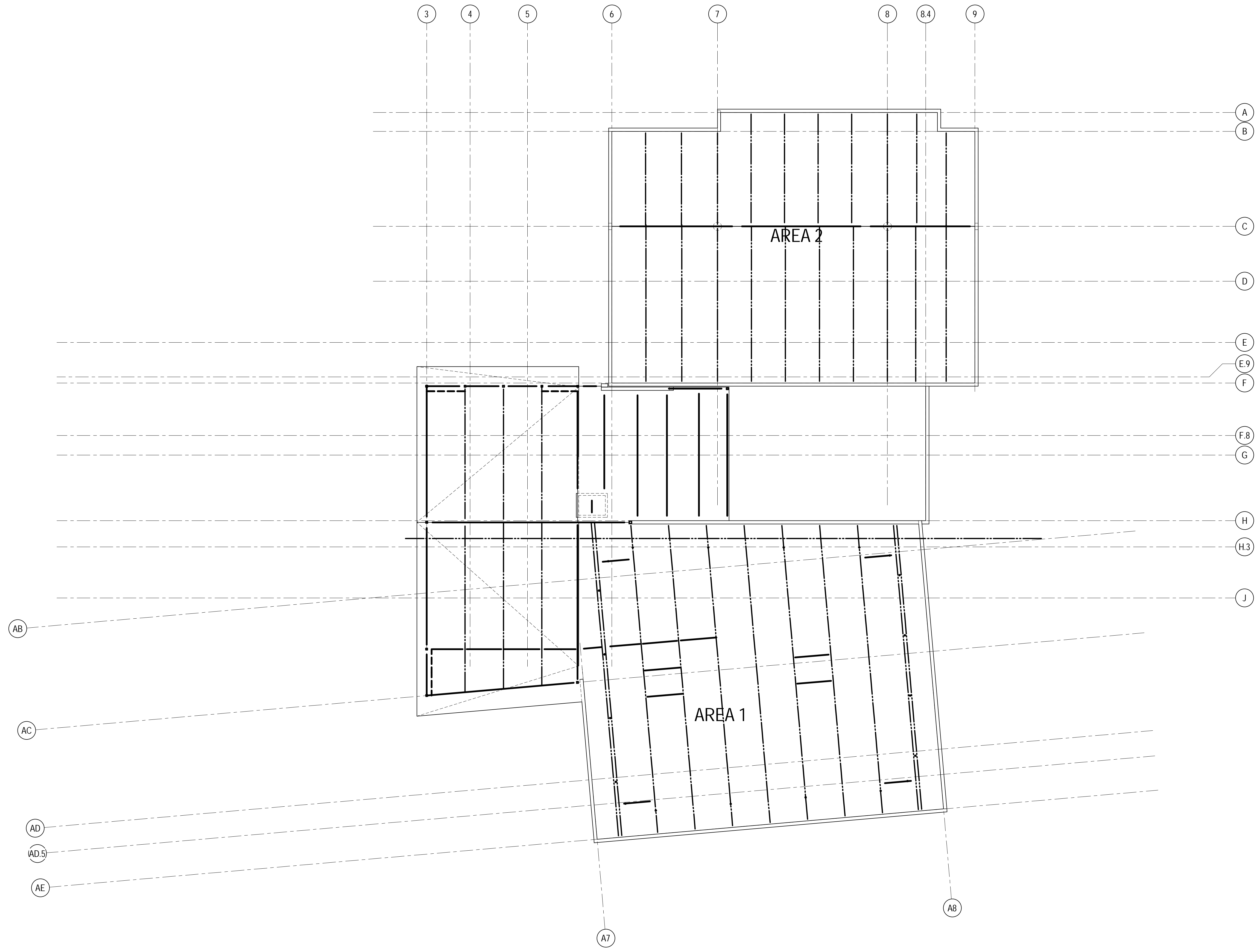
FRUITA COLORADO

M/M Project No.: 21468.S.01

SECOND LEVEL - AREA 2 FRAMING PLAN

Drawn By: DE, LB
 Checked By: BN, GS

S2.22



THIRD LEVEL - OVERALL FRAMING PLAN

1/16" = 1'-0"

- STEEL ROOF FRAMING PLAN NOTES
- SEE S0 SERIES SHEETS FOR GENERAL NOTES, SYMBOLS AND ABBREVIATIONS.
 - SEE S5 SERIES SHEETS FOR TYPICAL STEEL DETAILS.
 - SEES:04 FOR TYPICAL METAL DECK DETAILS AND SCHEDULE.
 - SEE S5.08 FOR TYPICAL METAL JOIST DETAILS
 - SEE S5.01 AND S5.02 FOR TYPICAL STEEL CONNECTION DETAILS AND SCHEDULE
 - SEE S5.08 FOR JOIST LOADING AND DESIGN CRITERIA FOR NONSTANDARD JOISTS NOTED AS "SPECIAL" OR "SP".
 - SEE 12/S5.06 FOR ROOF TOP EQUIPMENT SUPPORT
 - CAMBER ALL JOISTS, AND JOIST GIRDERS FOR THE ACTUAL JOIST DEAD LOAD DEFLECTION. DO NOT USE STANDARD SJI CAMBERS.
RE: S0.01 FOR DEAD LOADS.
 - JOIST BEARINGS SHALL HAVE STANDARD BEARING LENGTHS PER SJI SPECIFICATIONS.
 - CONTRACTOR TO VERIFY ALL EQUIPMENT WEIGHTS, SIZES, LOCATIONS, AND OPENINGS REQUIRED WITH MECHANICAL CONTRACTOR. CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY CHANGES IN THE WEIGHTS OR LOCATIONS SHOWN ON THE DRAWINGS. SUCH CHANGES IN CONDITIONS SHALL BE SUBJECT TO STRUCTURAL ENGINEER REVIEW. RE: MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL OPENINGS NOT SHOWN.
 - RE: DETAIL/S5.08 FOR JOIST CHORD REINFORCEMENT AT POINT LOADS.
 - ALL OPENINGS IN METAL DECK GREATER THAN 10 INCHES IN ANY DIRECTION SHALL BE SUPPORTED ON ALL FOUR SIDES BY A STEEL FRAME SPANNING BETWEEN DECK SUPPORTS. RE: 10/S5.11 FOR TYPICAL FRAMING AT ROOF DECK OPENINGS.

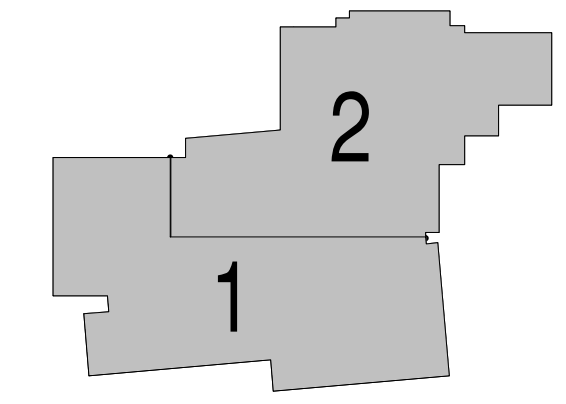
All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.



SINK COMBS DETHLEFS
Copyright © Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.398.0200
303.398.0202
FAX 303.398.0222



KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

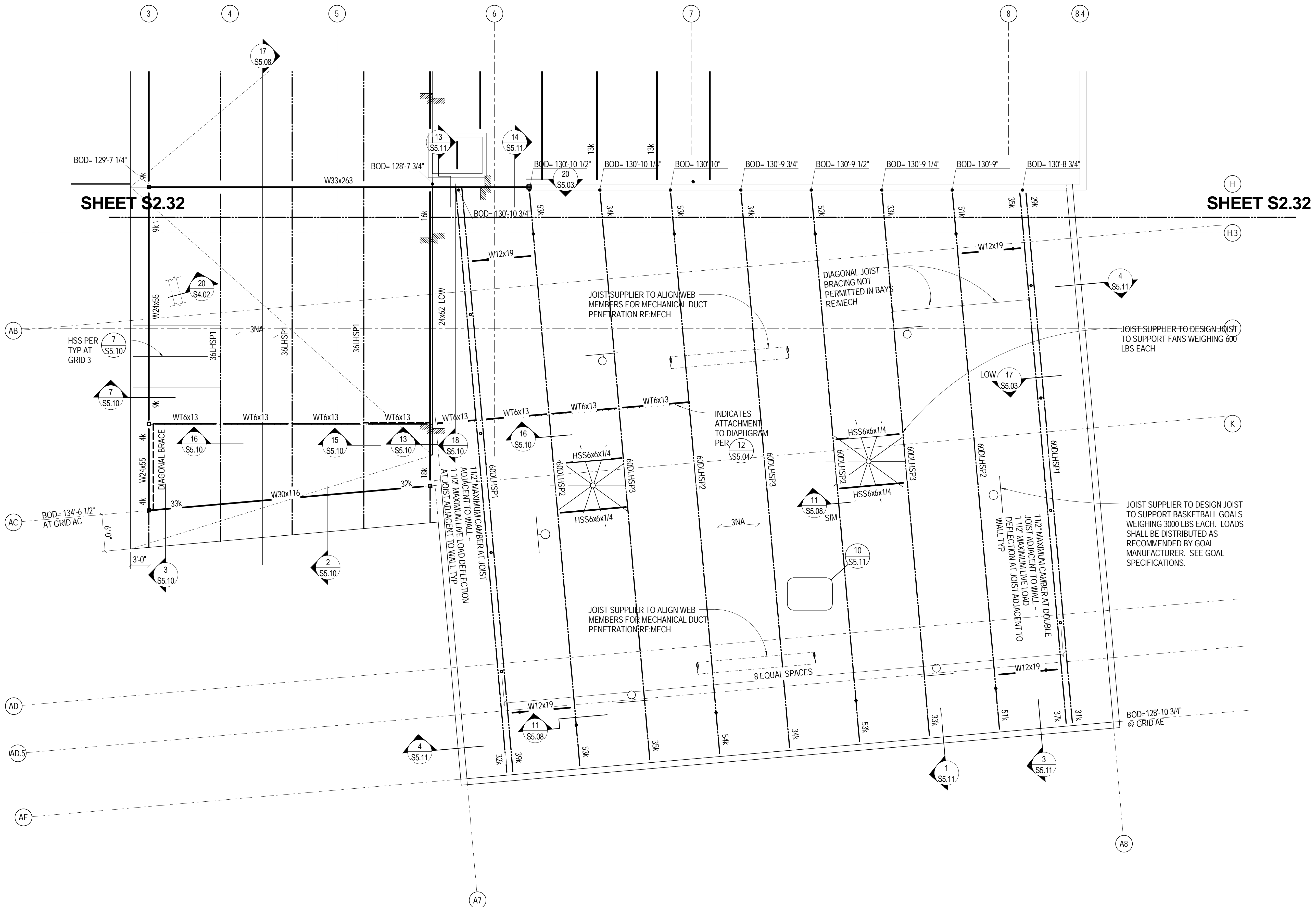
FRUITA COLORADO

M/M Project No.: 21468.S.01

THIRD LEVEL - OVERALL FRAMING PLAN

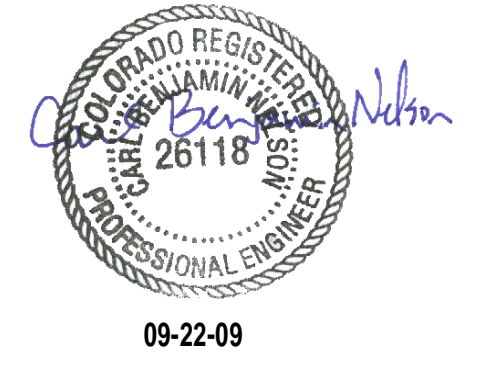
Drawn By: DE, LB
Checked By: BN, GS

S2.30



THIRD LEVEL - AREA - 1 FRAMING PLAN
 1/8" = 1'-0"
 RE: S2.30 FOR FRAMING PLAN NOTES.

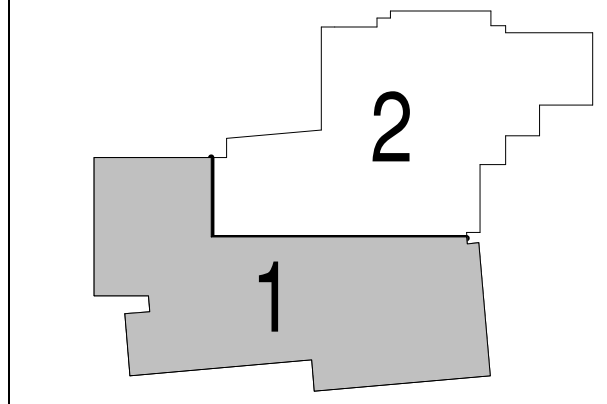
All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.



SINK COMBS DETHLEFS
 Copyright by Sink Combs Dethlefs, P.C.
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.368.8200
 FAX 303.368.0222



KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

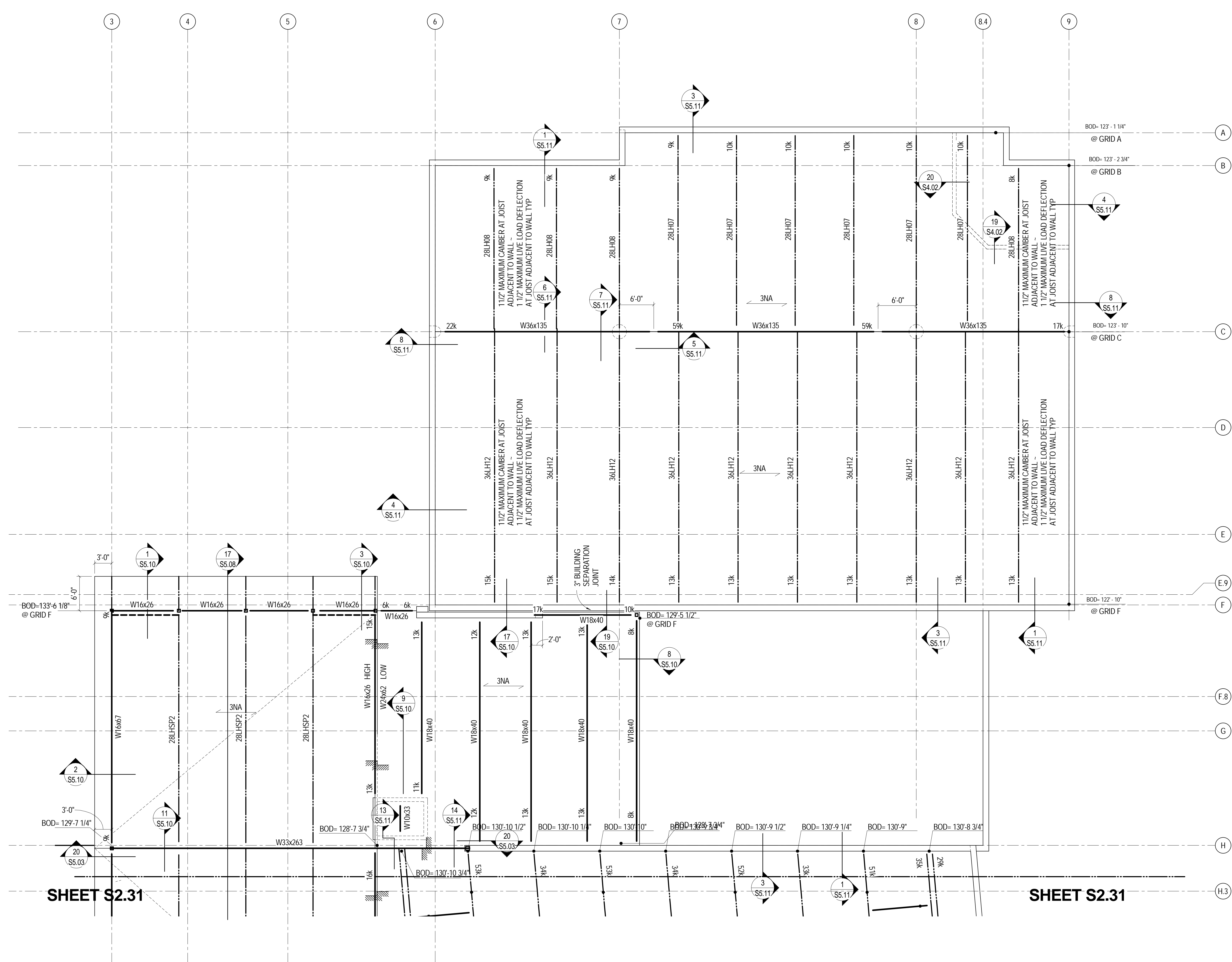
FRUITA COLORADO

M/M Project No.: 21468.S.01

THIRD LEVEL - AREA 1 FRAMING PLAN

Drawn By: DE, LB
 Checked By: BN, GS

S2.31



SHEET S2.31

SHEET S2.31

THIRD LEVEL - AREA 2 FRAMING PLAN

1/8" = 1'-0"
RE: S2.30 FOR FRAMING PLAN NOTES.

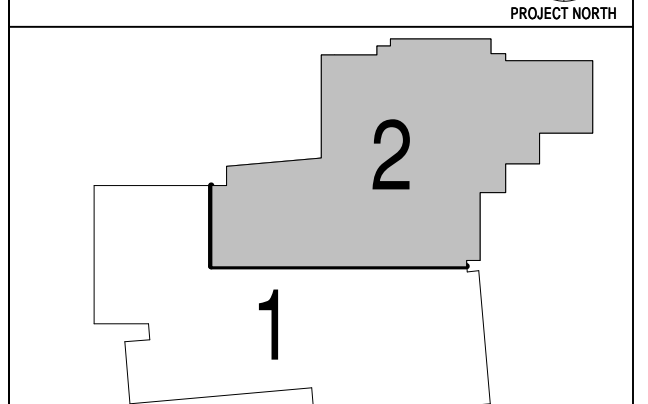
All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.

SINK COMBS DETHLEFS
Copyright by Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.368.8200
FAX 303.368.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
12499 WEST GOLDFAX AVENUE
P.O. BOX 155 KODD
LAKWOOD, COLORADO 80116
303.431.6100
FAX 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

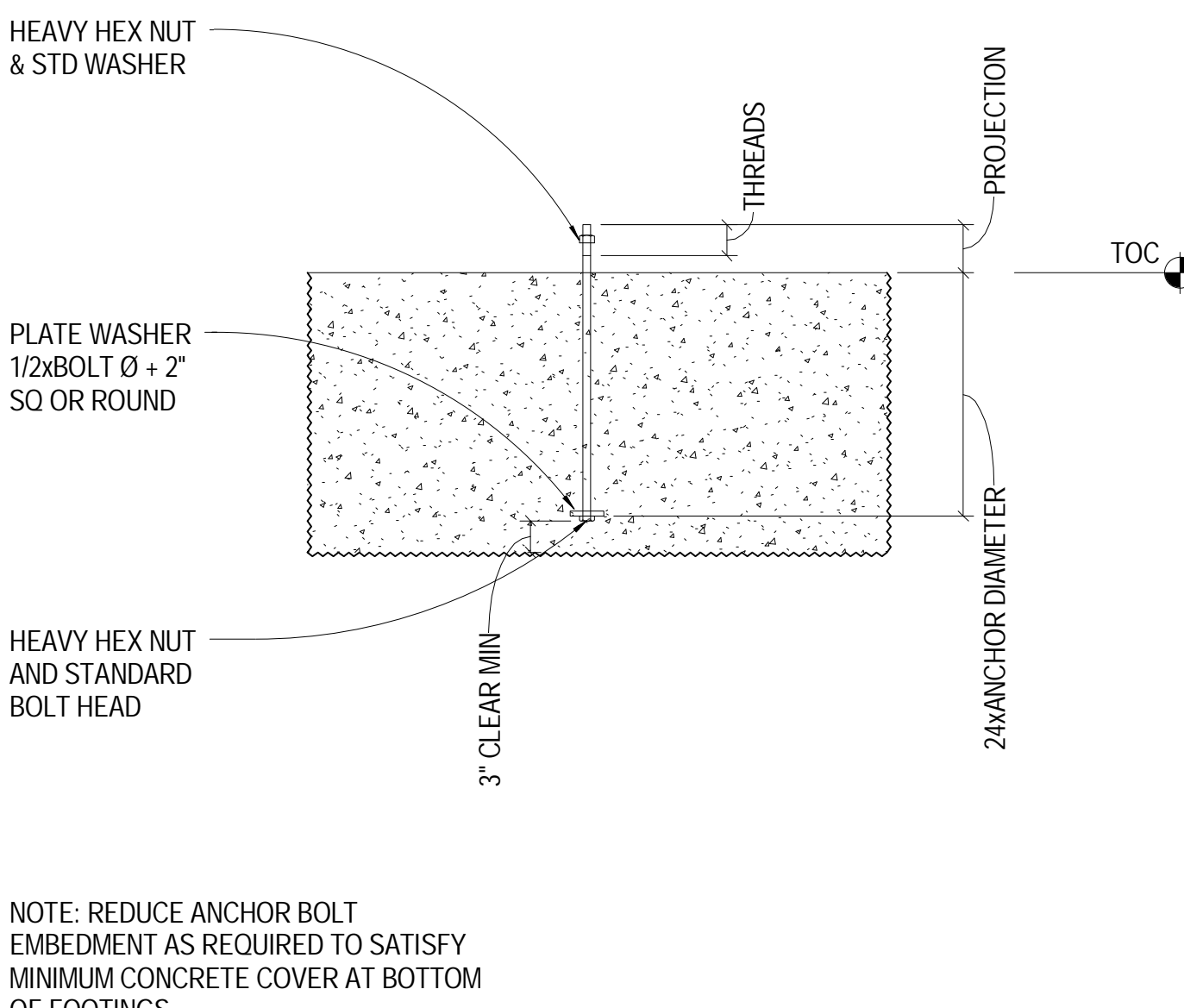
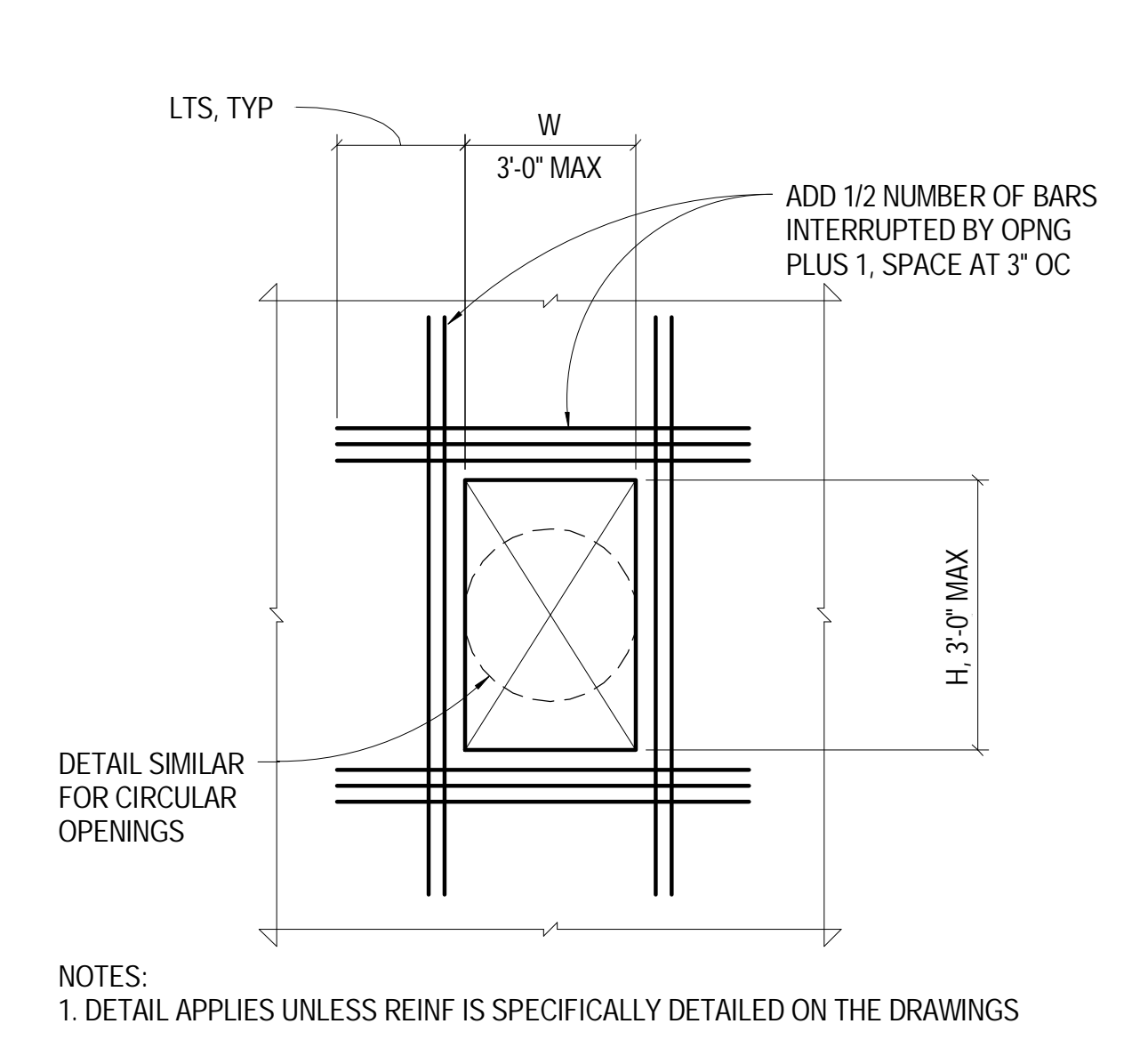
FRUITA COLORADO

M/M Project No.: 21468.S.01

THIRD LEVEL - AREA 2 FRAMING PLAN

Drawn By: DE, LB
Checked By: BN, GS

S2.32



LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE (INCHES)

BAR SIZE (IN-LB)	BAR SIZE (METRIC)	F _c = 3,000 PSI												F _c = 4,000 PSI												F _c = 5,000 PSI											
		COMP			TENSION						COMP			TENSION						COMP			TENSION														
		LCE	LCS	LDH	LTE TOP	LTE OTHER	LTS TOP	LTS OTHER	LCE	LCS	LDH	LTE TOP	LTE OTHER	LTS TOP	LTS OTHER	LCE	LCS	LDH	LTE TOP	LTE OTHER	LTS TOP	LTS OTHER															
#3	#10	8	12	6	21	16	28	21	8	12	6	18	14	24	18	8	12	6	17	13	22	17															
#4	#13	11	15	8	28	22	37	28	9	15	7	25	19	32	25	9	15	6	22	17	29	22															
#5	#16	14	19	10	36	27	46	36	12	19	8	31	24	40	31	11	19	7	28	21	36	28															
#6	#19	16	23	12	43	33	56	43	14	23	10	37	28	48	37	14	23	9	33	25	43	33															
#7	#22	19	26	13	62	48	81	62	17	26	12	54	42	70	54	16	26	10	48	37	63	48															
#8	#25	22	30	15	71	55	93	71	19	30	13	62	47	80	62	18	30	12	55	42	72	55															
#9	#29	25	34	17	80	62	105	80	21	34	15	70	54	91	70	20	34	13	62	48	81	62															
#10	#32	28	38	19	90	70	118	90	24	38	17	78	60	102	78	23	38	15	70	54	91	70															
#11	#36	31	42	22	100	77	131	100	27	42	19	87	67	113	87	25	42	17	78	60	101	78															

GENERAL NOTES:
1. 'LCE' = COMPRESSION EMBEDMENT LENGTH, 'LCS' = COMPRESSION LAP SPLICE LENGTH, 'LTE' = TENSION EMBEDMENT LENGTH, 'LTS' = TENSION LAP SPLICE LENGTH, 'LDH' = HOOK DEVELOPMENT LENGTH
2. 'TOP' BARS ARE HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12 IN. OF FRESH CONCRETE IS CAST BELOW THE BAR
3. ALL BARS THAT ARE NOT 'TOP' BARS ARE 'OTHER' BARS
4. UNLESS NOTED OTHERWISE, ALL HOOK BARS SHALL EXTEND TO THE FAR FACE (LESS 2" COVER)

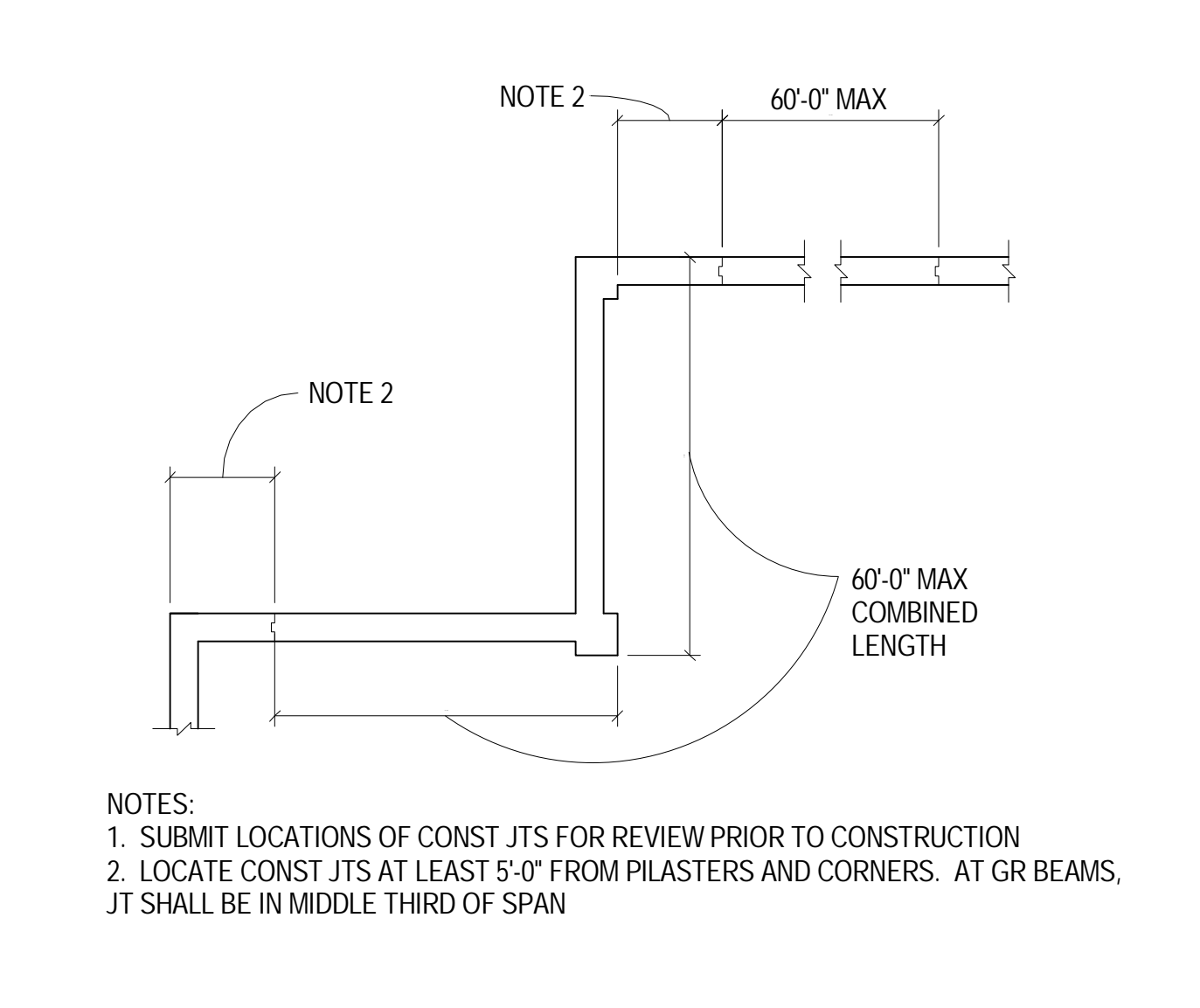
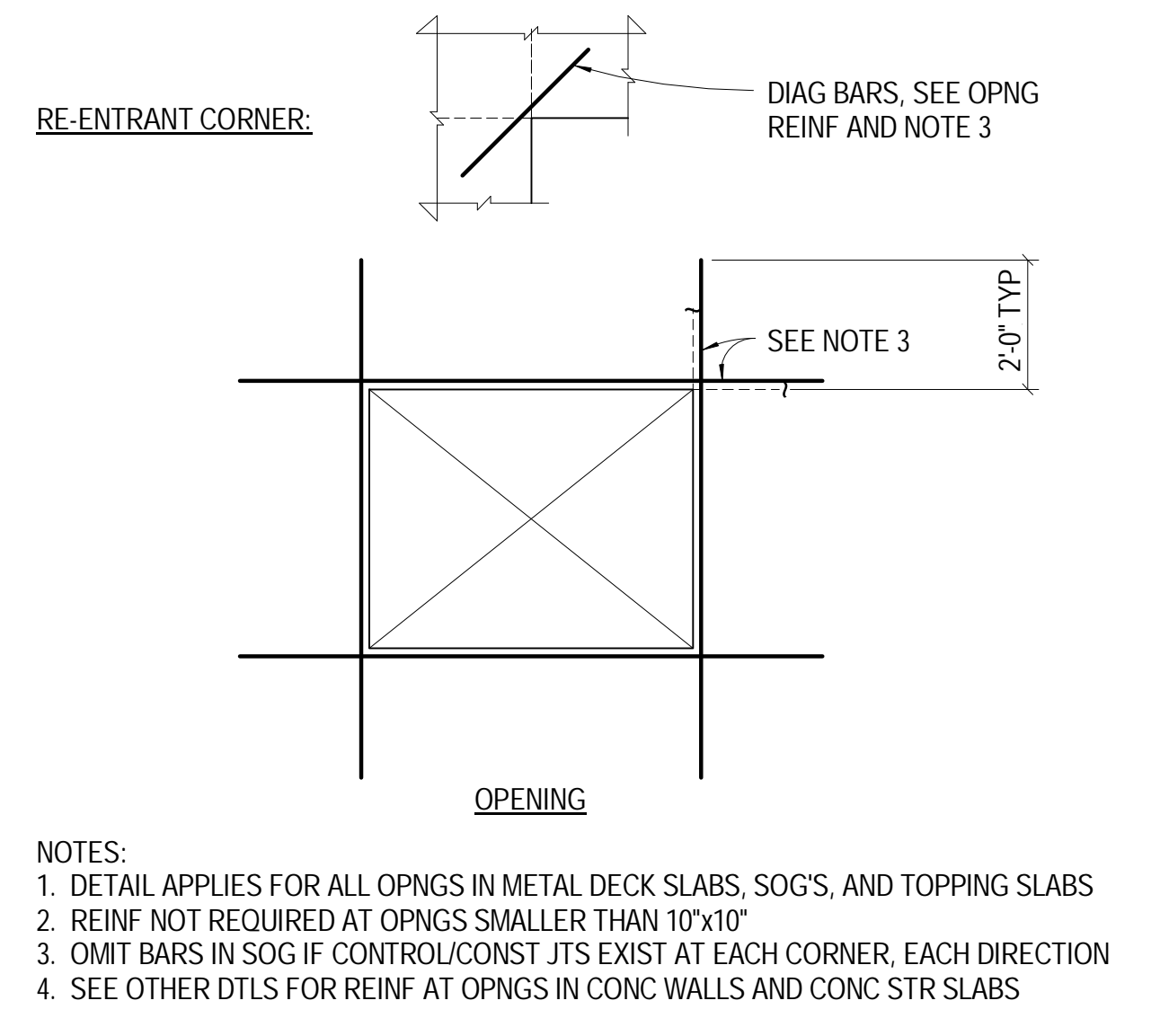
LAP SPLICE NOTES:
1. ALL SPLICES SHALL BE WIRED IN CONTACT AND STACKED VERTICALLY
2. ALL SPLICES ARE 'LTS' UNLESS NOTED OTHERWISE
3. SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZED BARS
4. LAP LENGTHS SPECIFICALLY DETAILED ON DRAWINGS SHALL GOVERN IN LIEU OF LAP LENGTHS SCHEDULED
5. 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 L_d (DEVELOPMENT LENGTH) INTO CONCRETE, THIS LENGTH SHALL CORRESPOND TO A 'LTE' LAP

ADJUSTMENTS 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%
3. 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. IF EITHER CONDITION A OR B IS NOT MET FOR A GIVEN BAR, INCREASE LENGTHS BY 50%
4. 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 20%
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%

13 3/4" = 1'-0" TYP CIP SLAB OR WALL OPENING

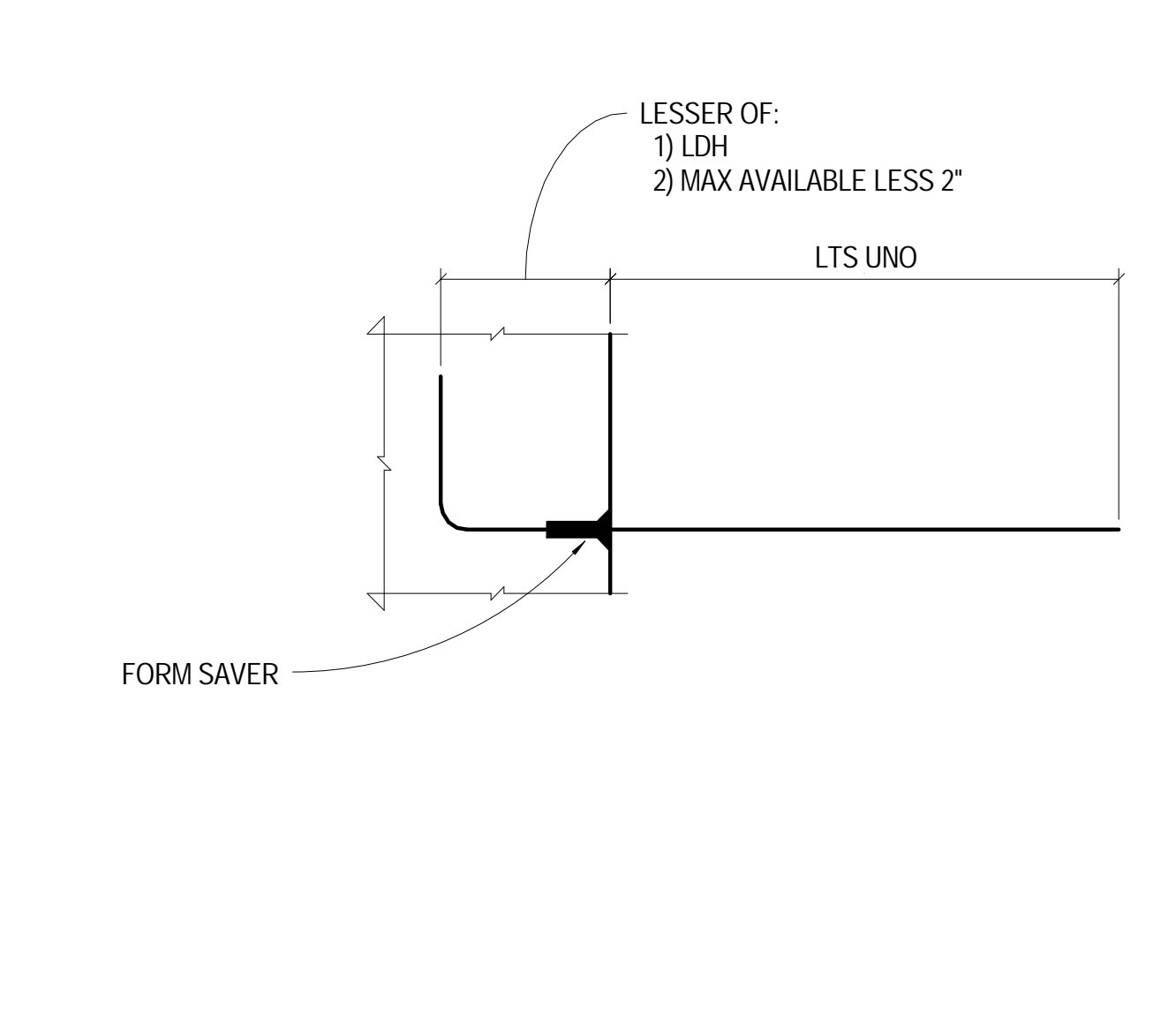
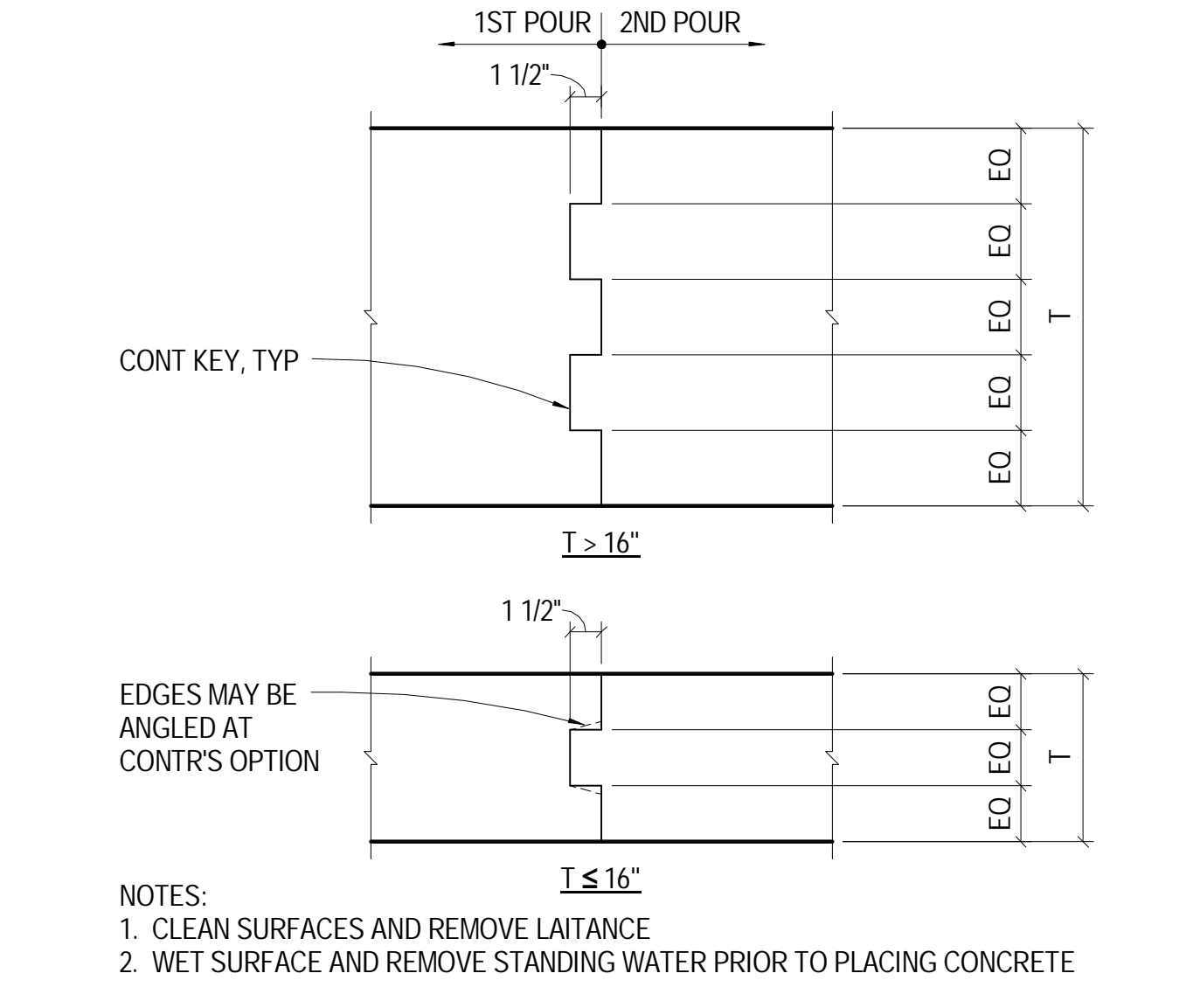
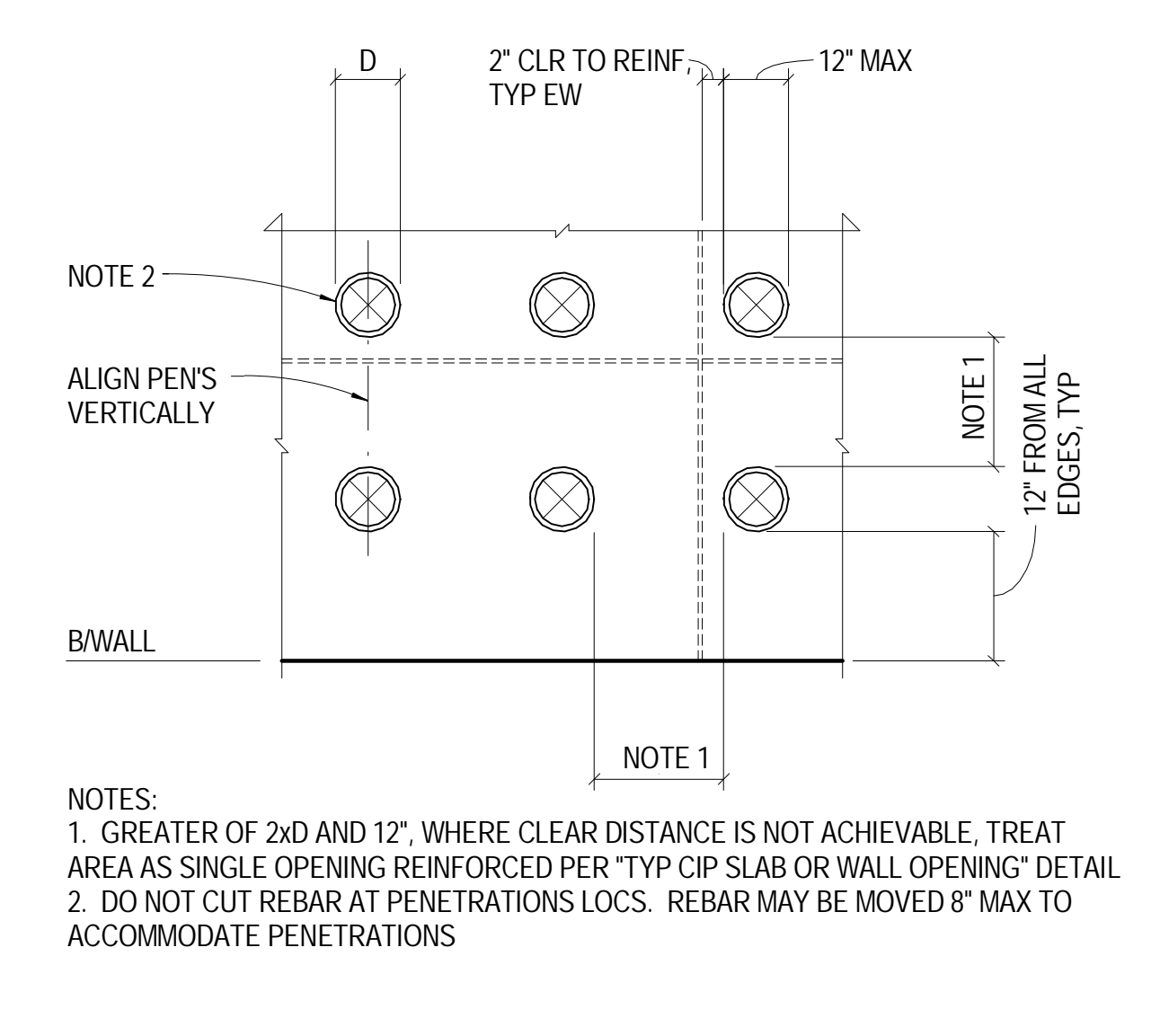
9 3/4" = 1'-0" TYPICAL ANCHOR BOLTS



14 3/8" = 1'-0" TYP TRIM REINF

10 1/8" = 1'-0" TYP FND WALL/STEM WALL/GR BM POUR LENGTH LIMITS

6 NO SCALE LAP SPLICE & DEVELOPMENT LENGTH SCHEDULE

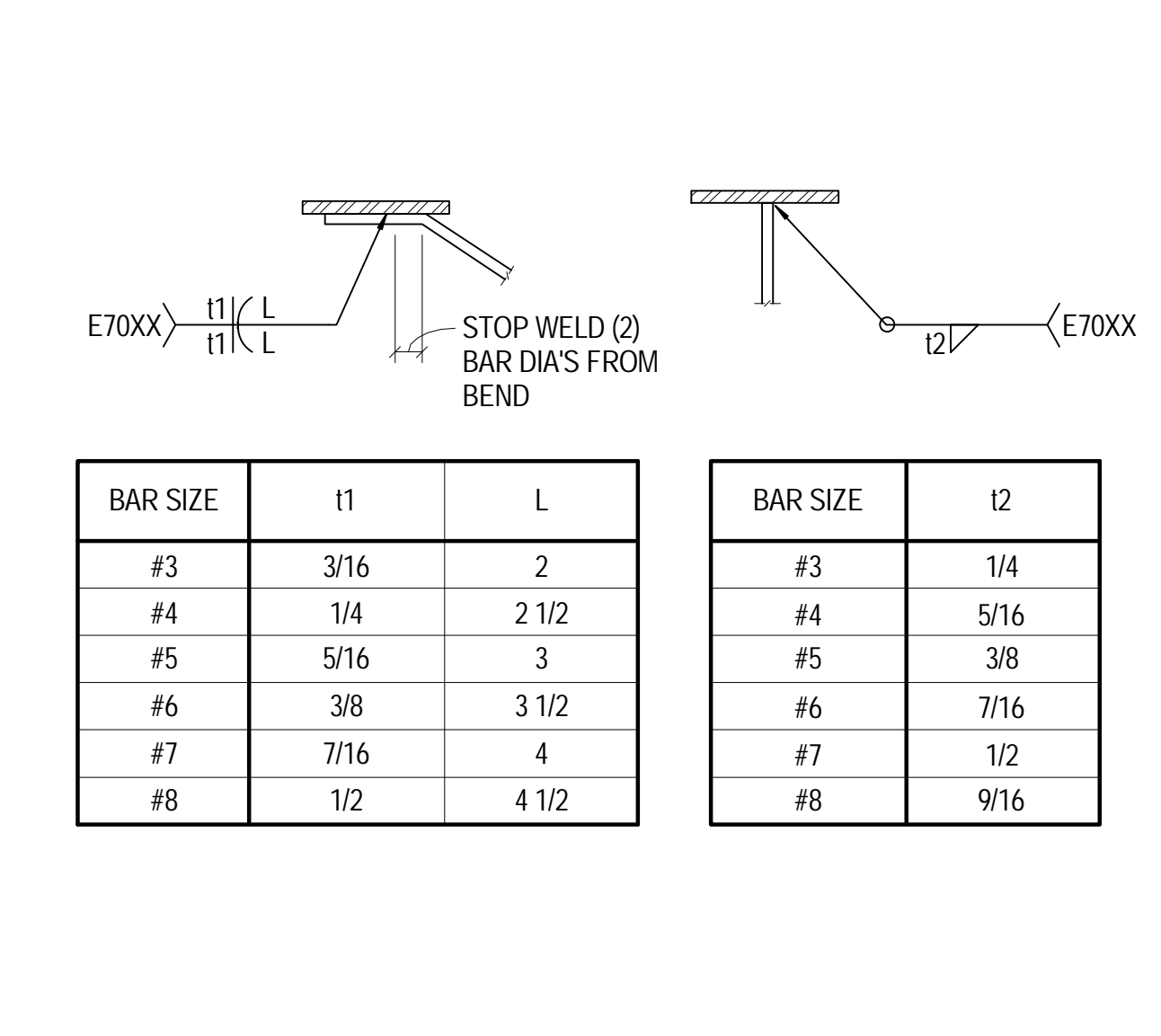
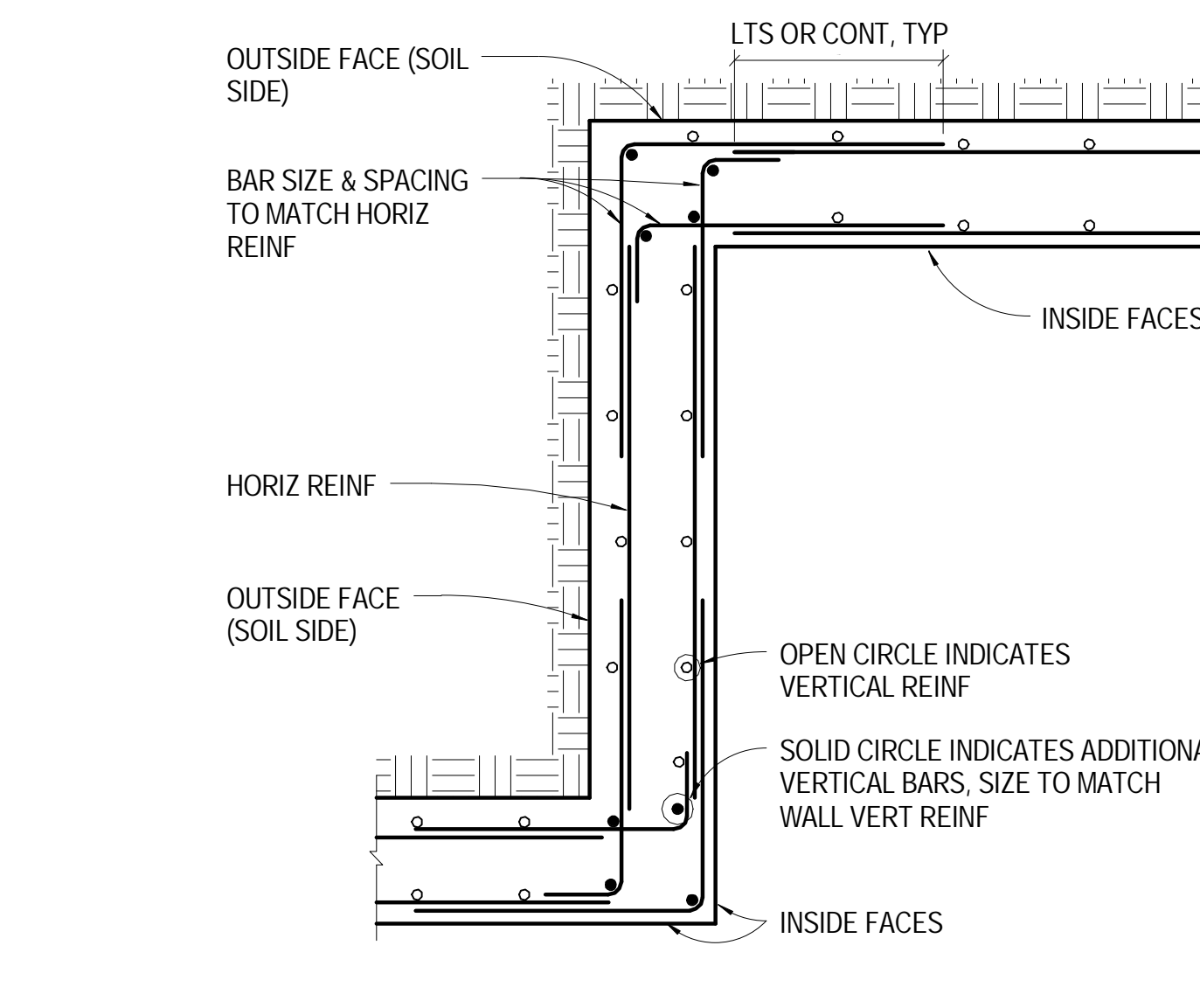
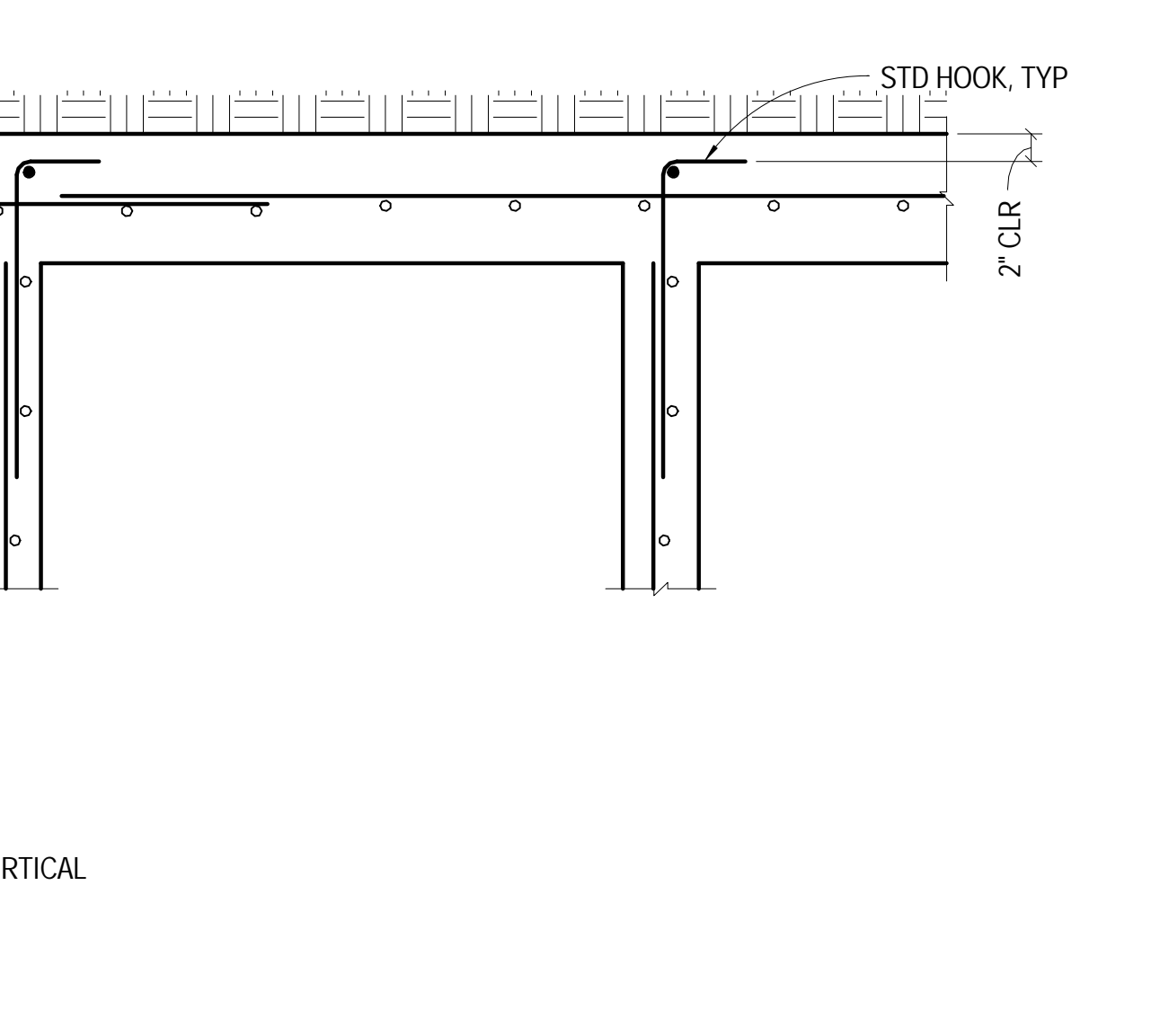


15 NO SCALE TYP SLEEVED OPNGS THRU WALL

11 1 1/2" = 1'-0" TYP KEYED CONST JT GEOMETRY

7 1 1/2" = 1'-0" TYP FORMSAVER

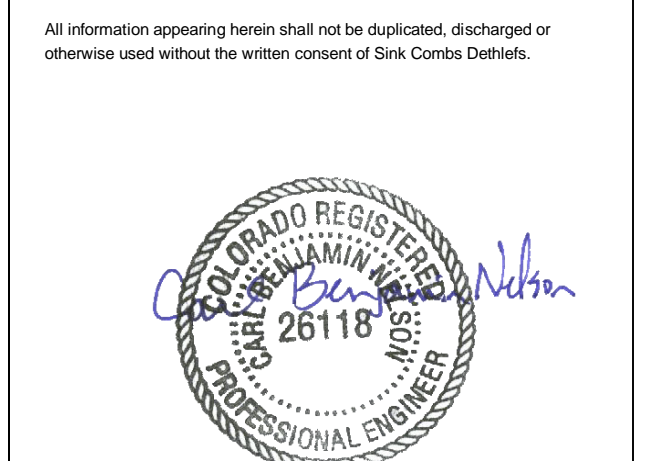
3 NO SCALE TYP BAR BEND DETAILS



20 NO SCALE TYP GRADE BEAM/STEM WALL W/SINGLE CURTAIN OF REINF

12 NO SCALE TYP GR BEAM/FND WALL W/TWO LAYERS REINF

4 1:1 TYP REBAR WELD SCHEDULE

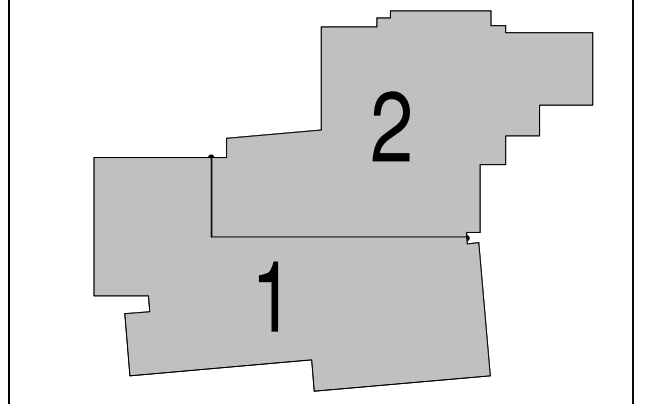


SINK COMBS DETHLEFS
Copyright © Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.398.0201
303.398.0222
FAX 303.398.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE
P.O. BOX 185000
LAKWOOD, COLORADO 80128
303.431.6100
FAX 303.431.6886

KEY PLAN
PROJECT NORTH



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

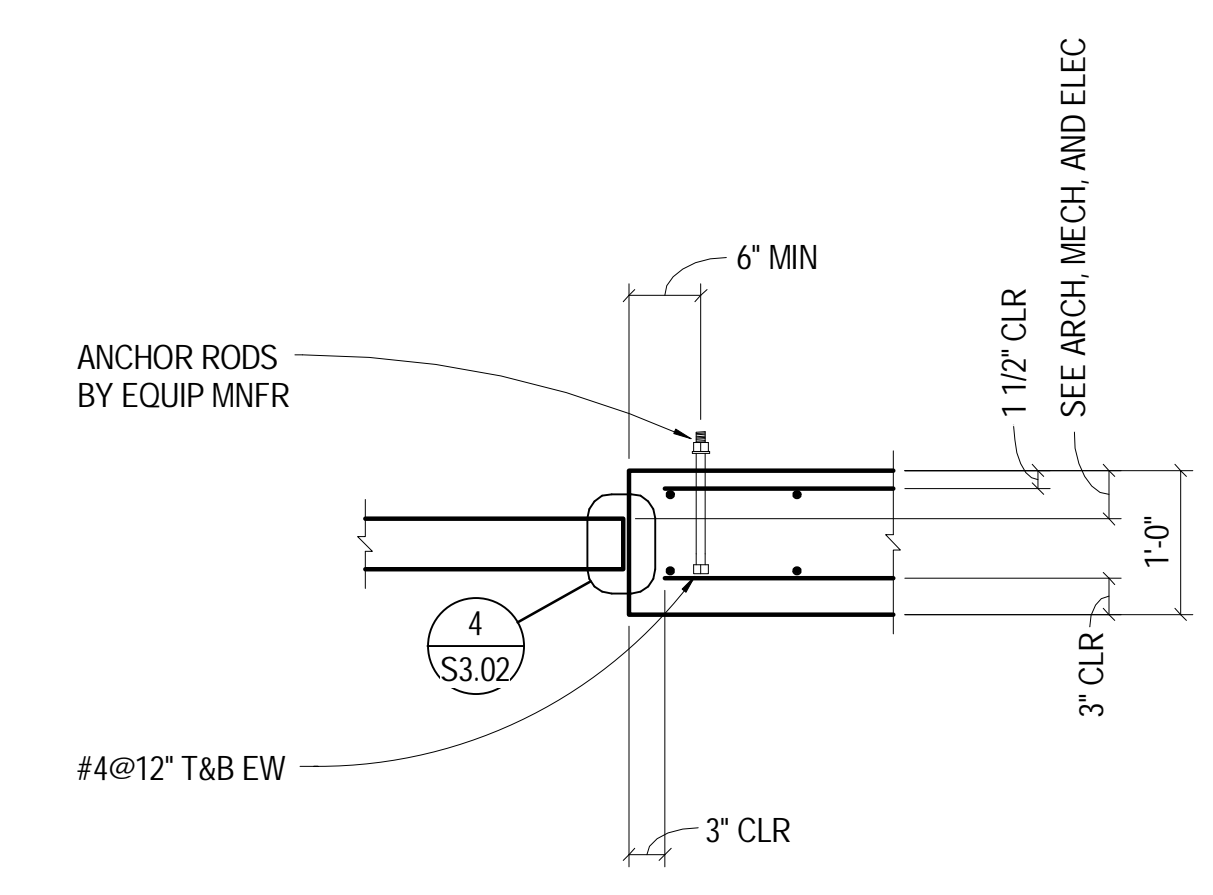
FRUITA COLORADO

M/M Project No.: 21468.S.01

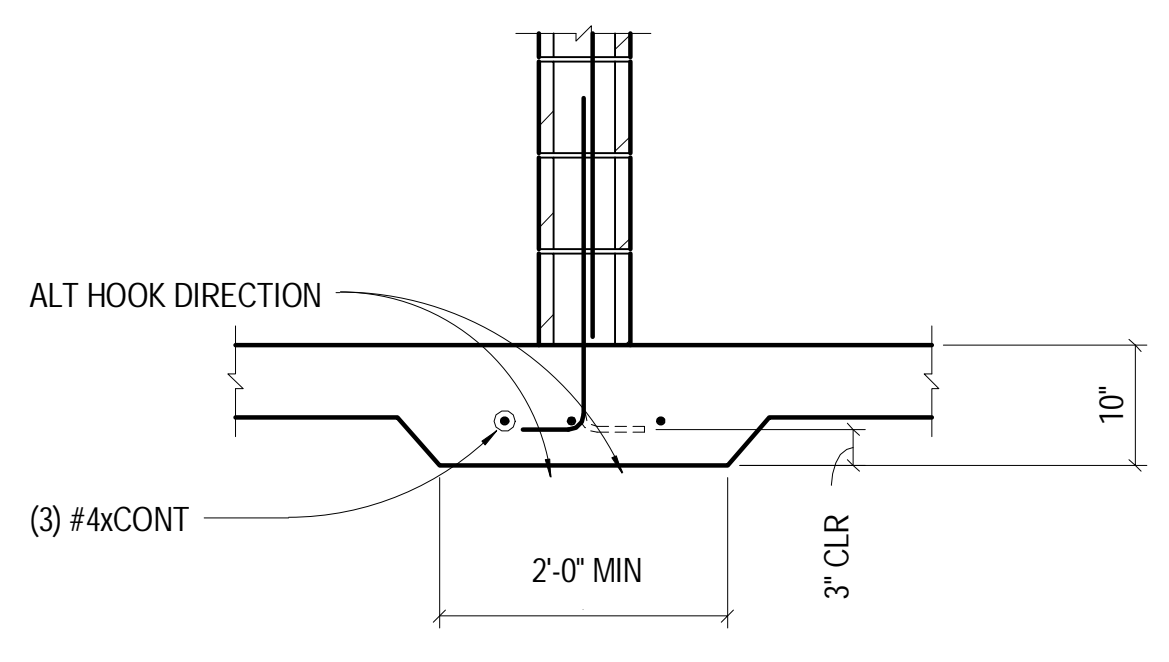
CONCRETE DETAILS

Drawn By: DE, LB
Checked By: BN, GS

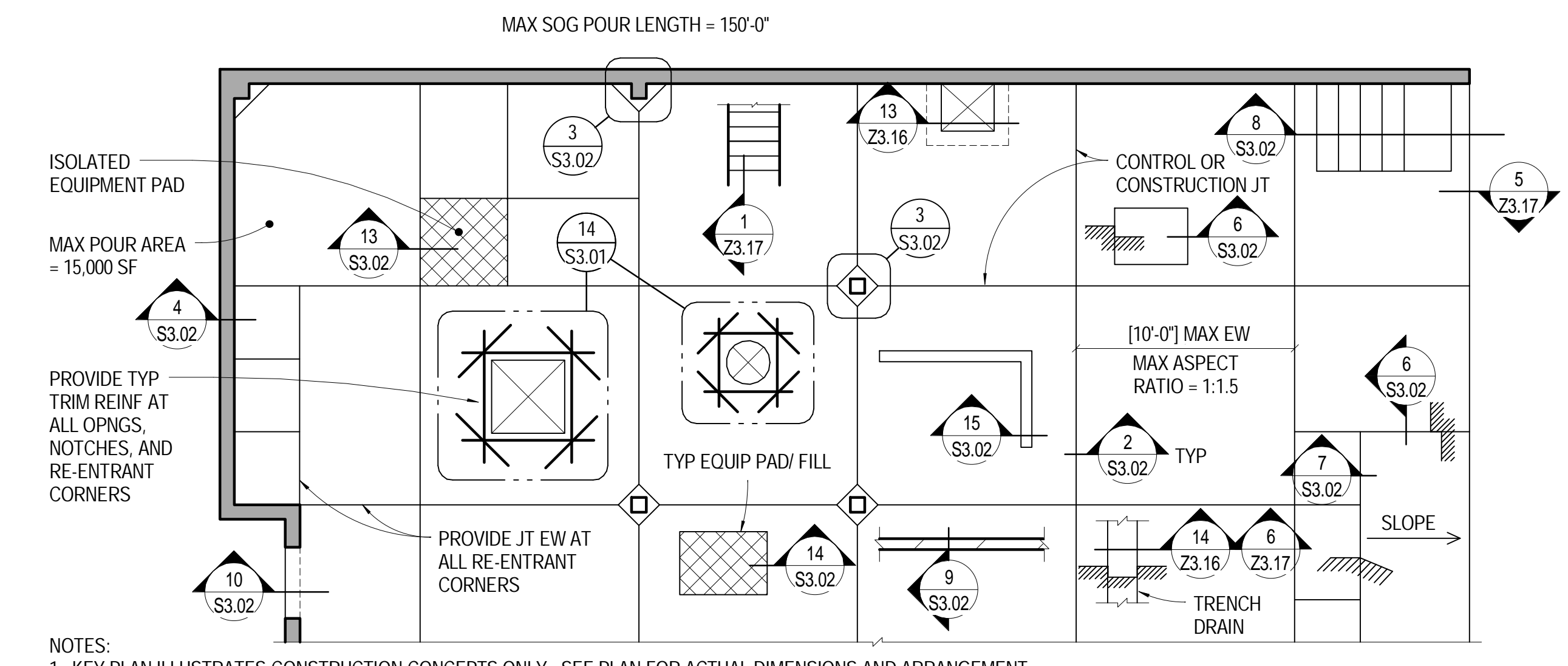
S3.01



13 NO SCALE TYP SOG ISOLATED EQUIP PAD

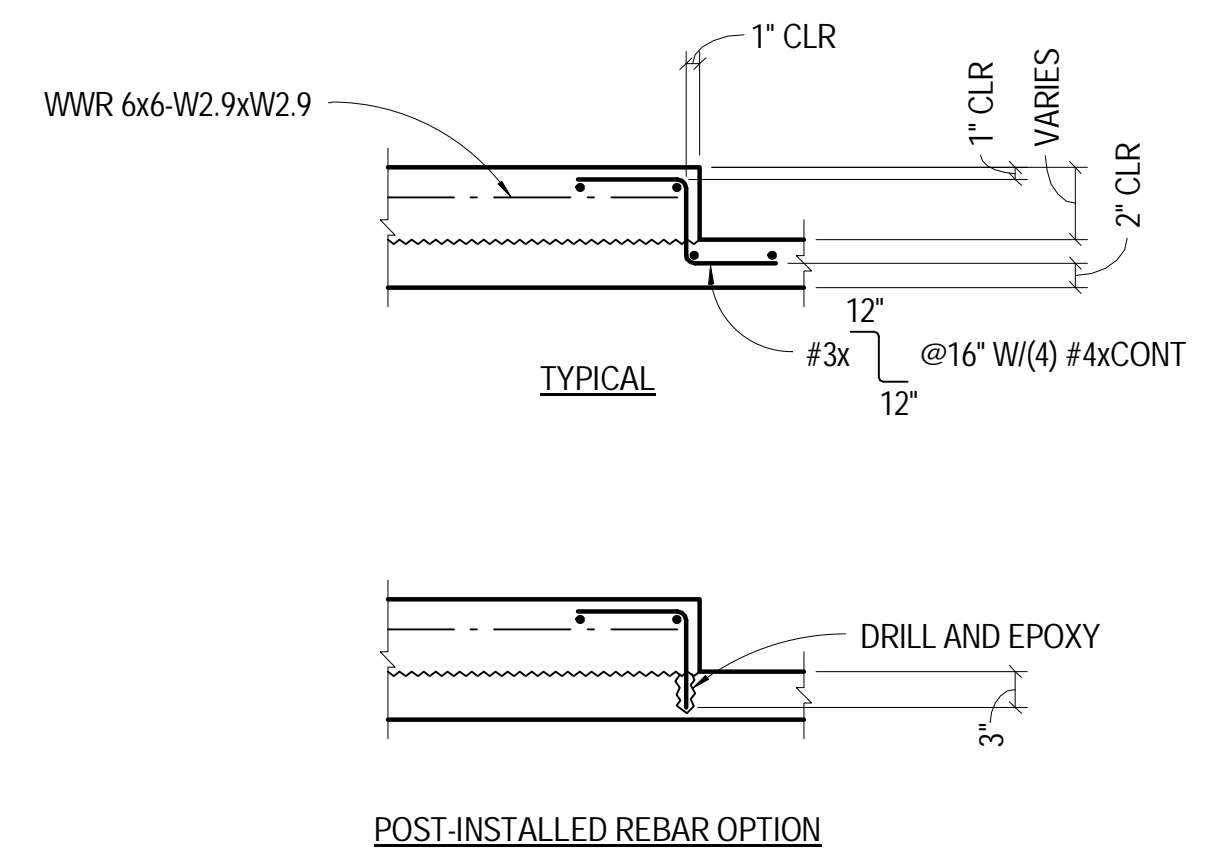


9 NO SCALE TYP SOG BELOW MASONRY PARTITION WALL (BRACED AT TOP)

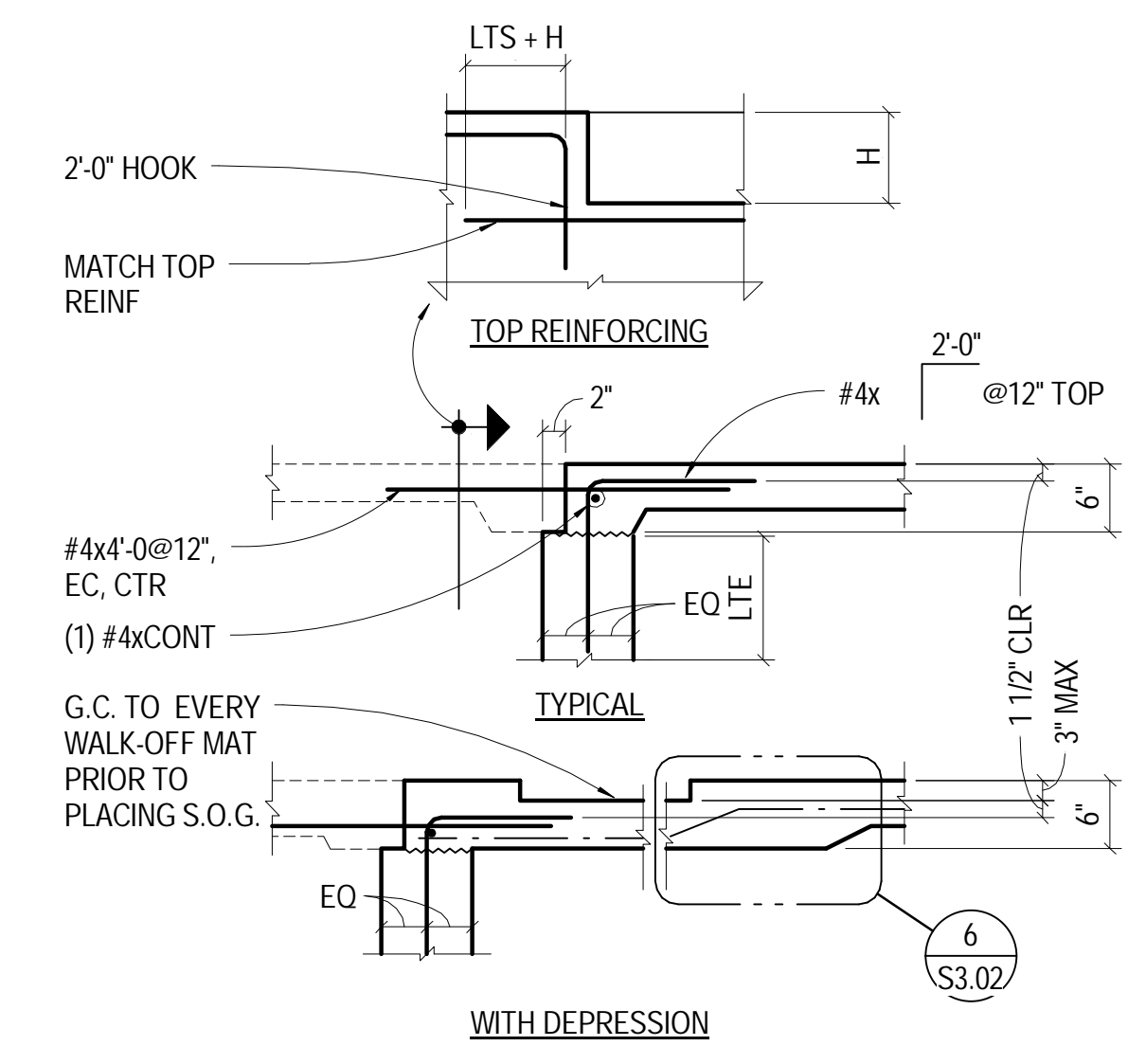


NOTES:
 1. KEY PLAN ILLUSTRATES CONSTRUCTION CONCEPTS ONLY. SEE PLAN FOR ACTUAL DIMENSIONS AND ARRANGEMENT
 2. PROVIDE ADDITIONAL CONTROL JOINTS AT ABRUPT CHANGES IN THICKNESS AND LOCATIONS PRONE TO CRACKING. COORD LOCS WITH FLOOR FINISHES AND INTERIOR WALLS

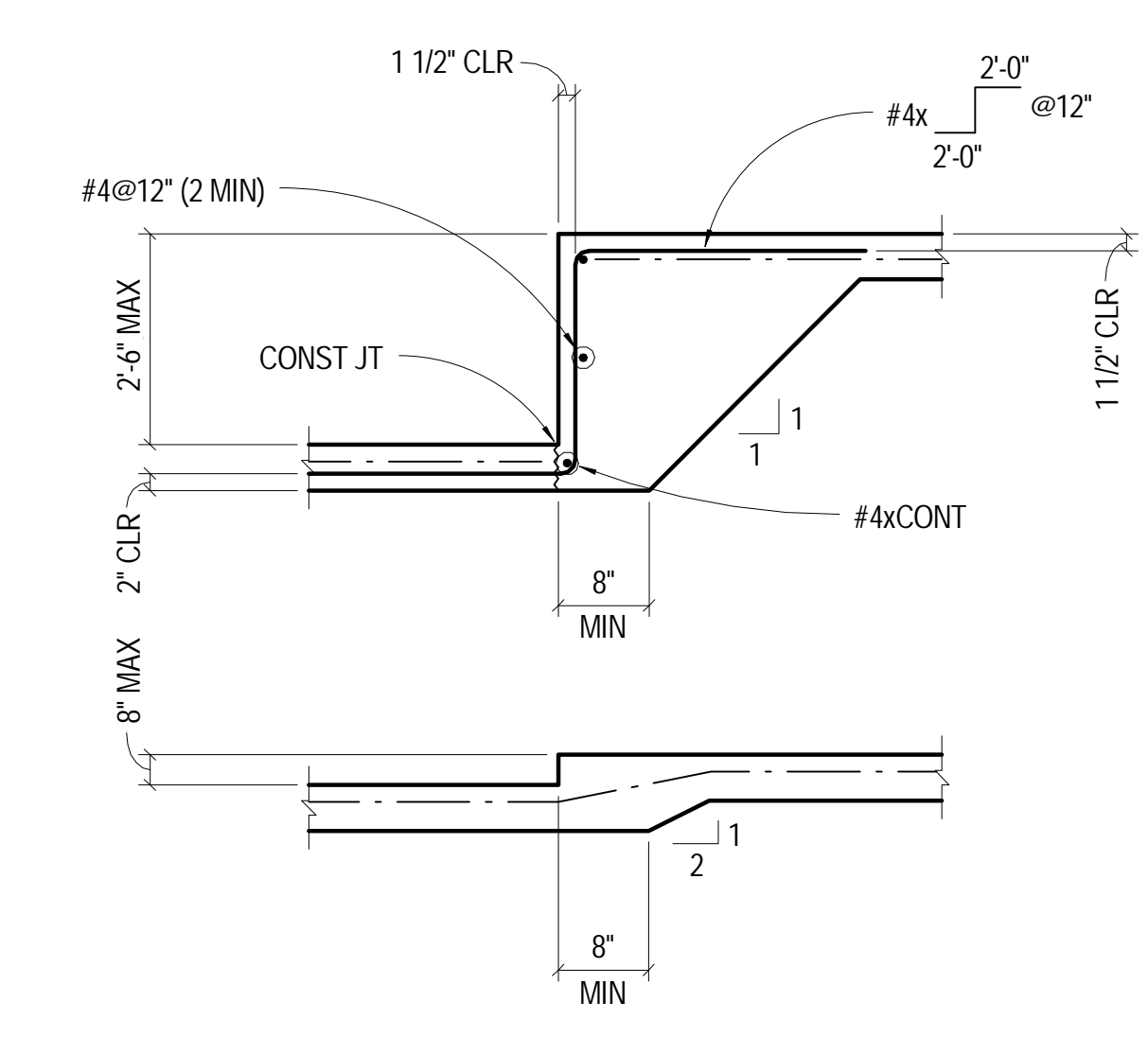
5 NO SCALE TYP SOG KEY PLAN



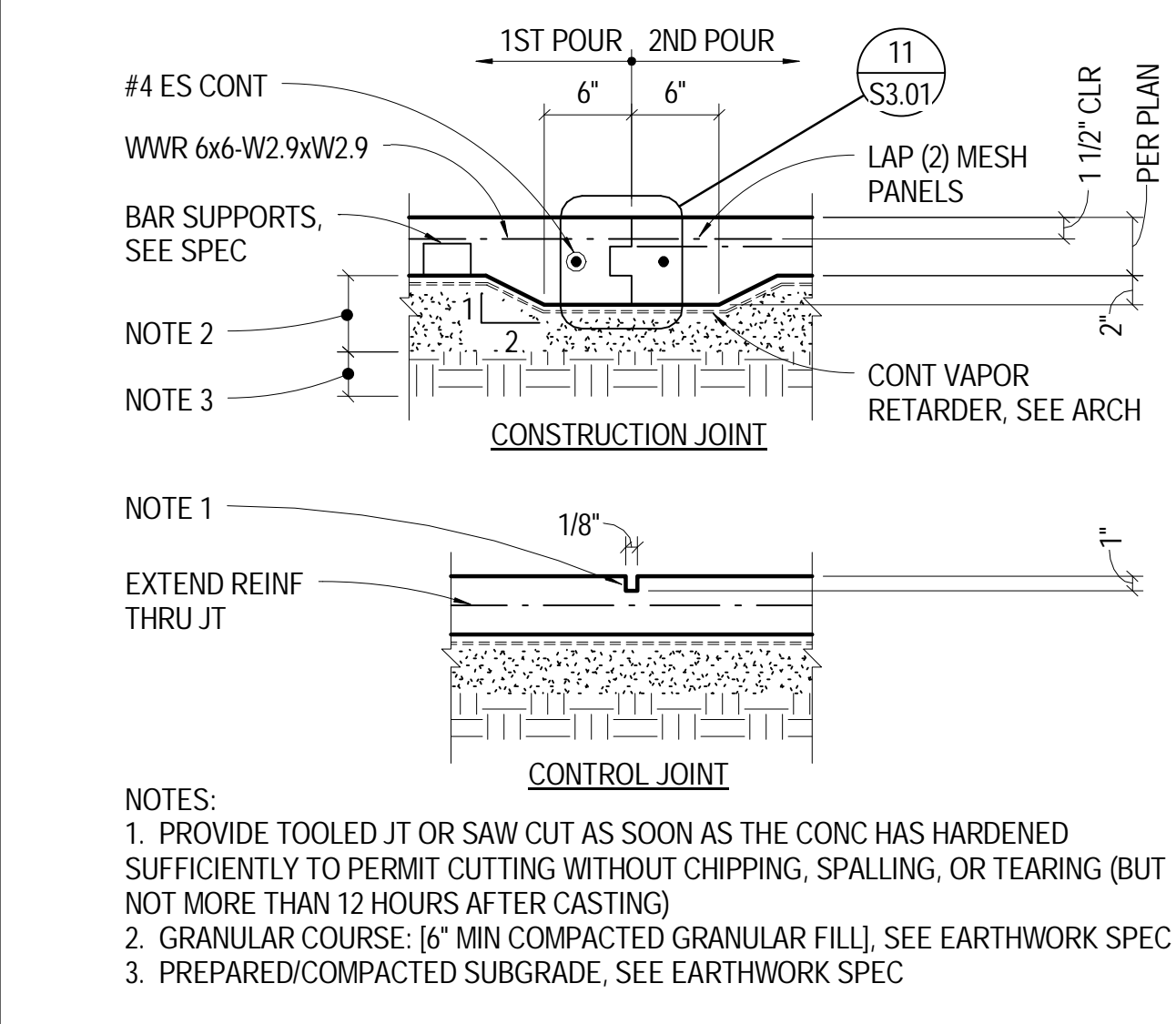
14 NO SCALE TYP SOG EQUIP PAD



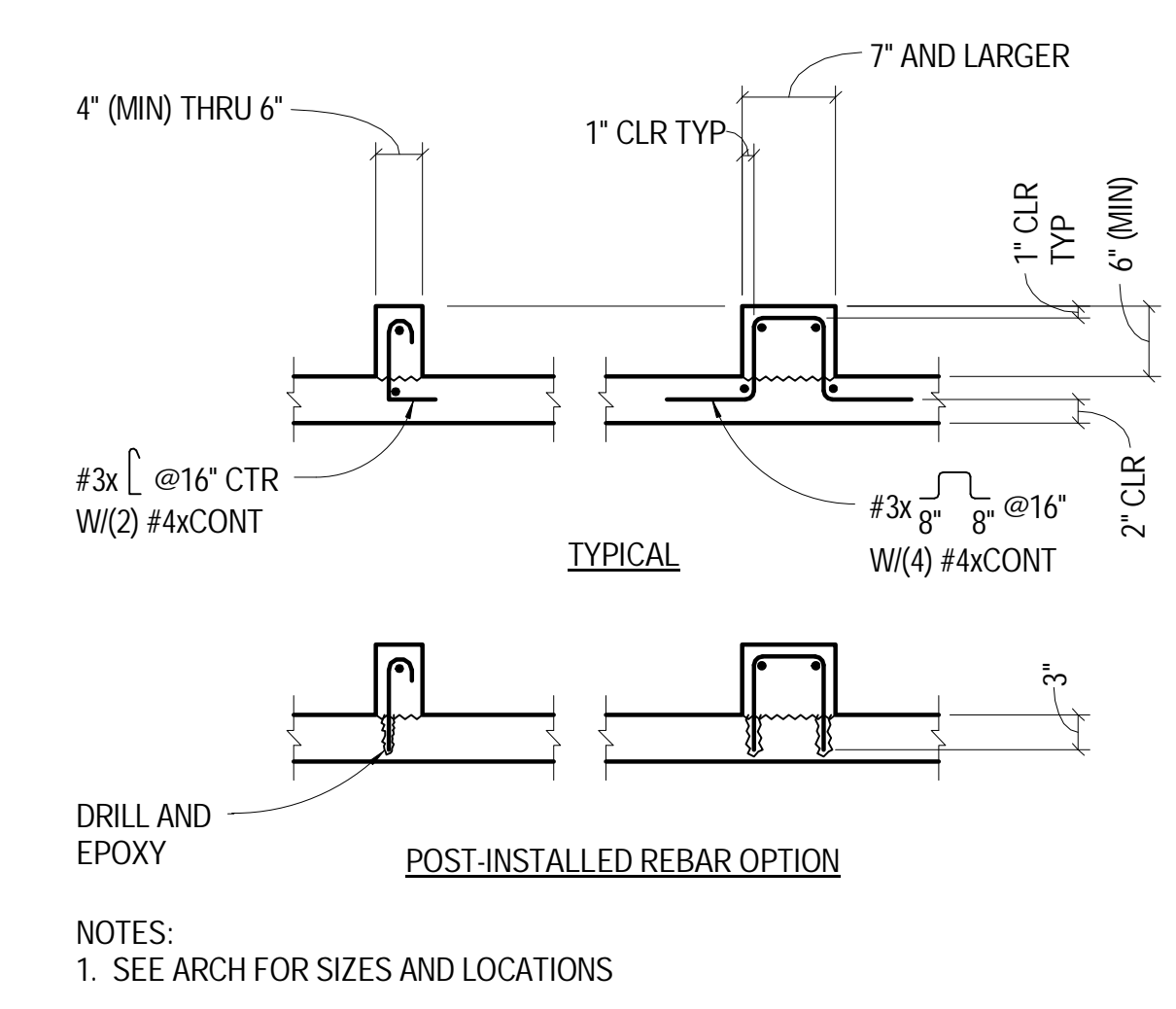
10 NO SCALE TYP SOG EXT THRESHOLD



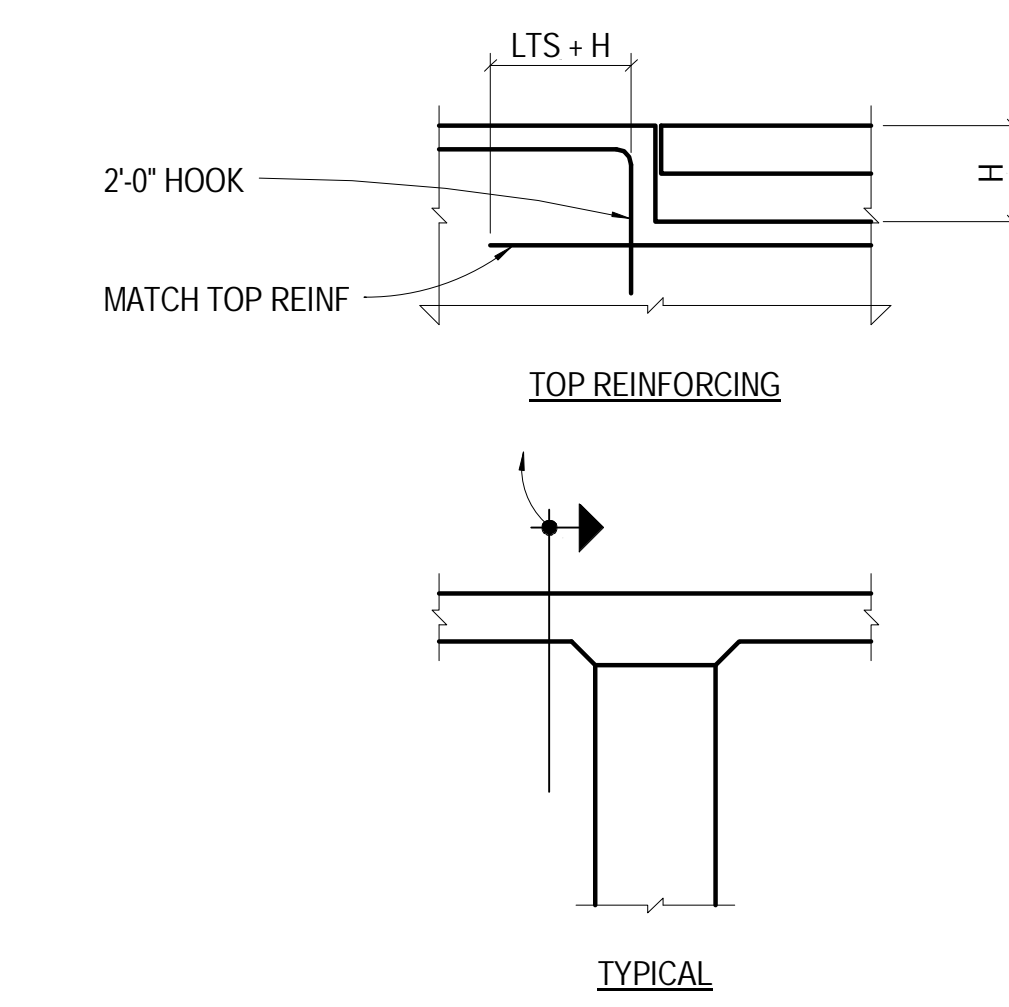
6 NO SCALE TYP SOG STEP



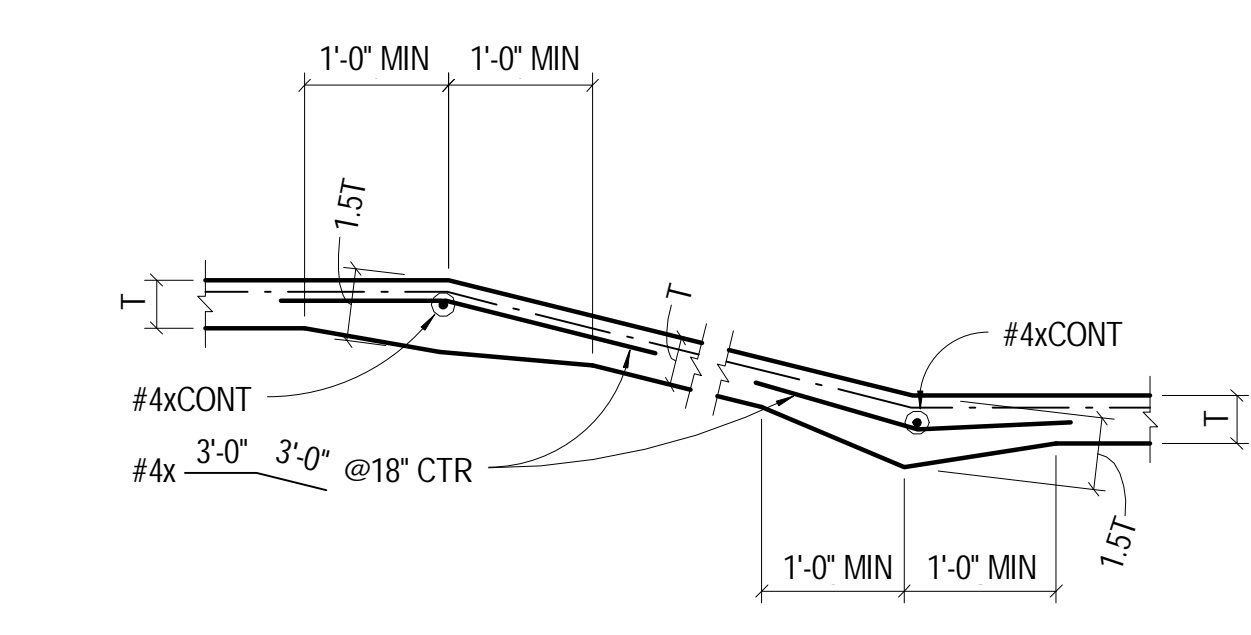
2 1" = 1'-0" TYP SOG - 4" THICK



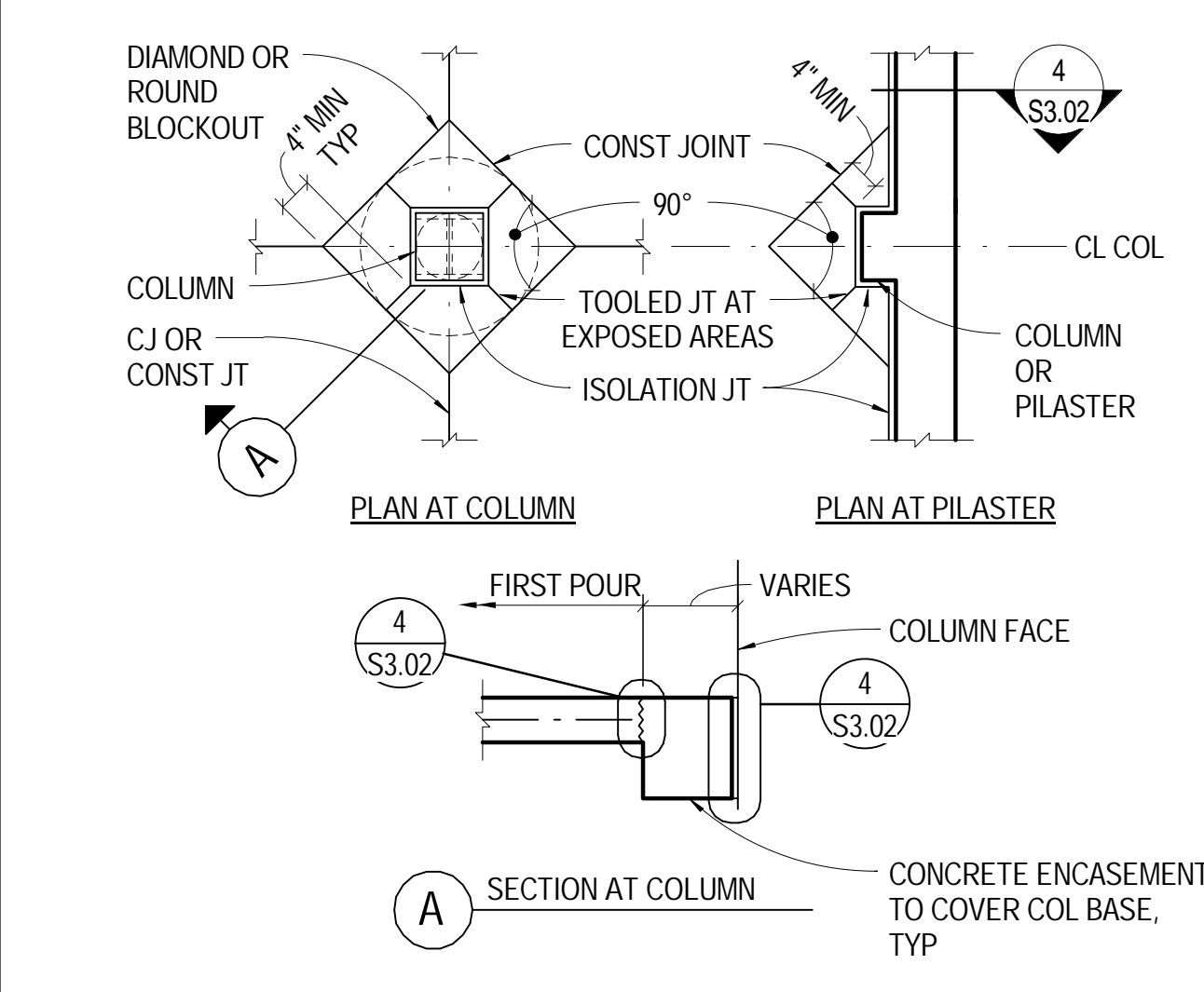
15 NO SCALE TYP SOG CONC CURB



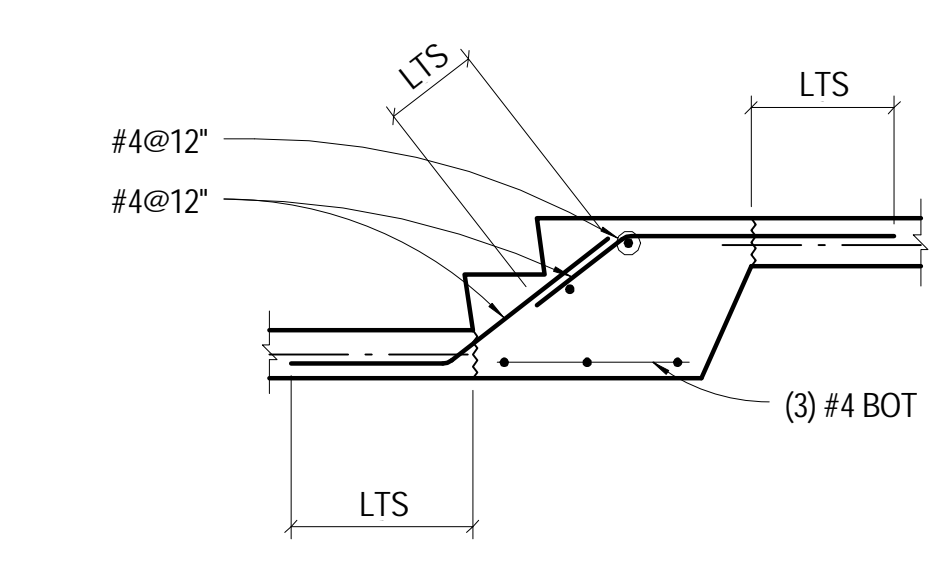
11 NO SCALE TYP SOG INT THRESHOLD



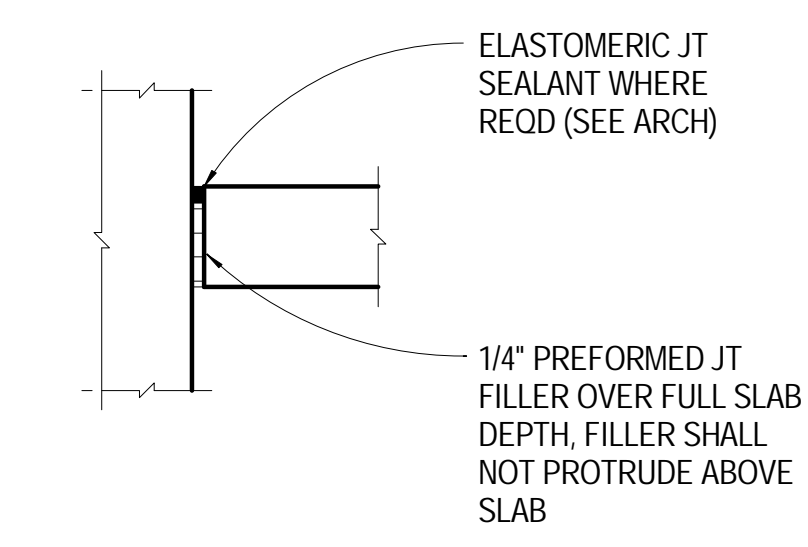
7 NO SCALE TYP SOG RAMP/SLOPE



3 NO SCALE TYP SOG BLOCKOUT AT COLUMN/PILASTER



8 NO SCALE TYP SOG STAIR



4 NO SCALE TYP SOG ISOLATION JOINT

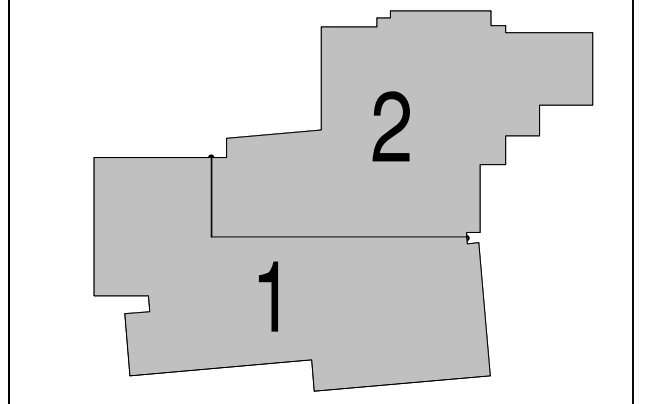


SINK COMBS DETHLEFS
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.368.0201, 303.368.0222



MARTIN/MARTIN
 CONSULTING ENGINEERS
 12499 WEST GOLDFAX AVENUE, P.O. BOX 1163000, LAKEWOOD, COLORADO 80116
 303.431.6100, 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

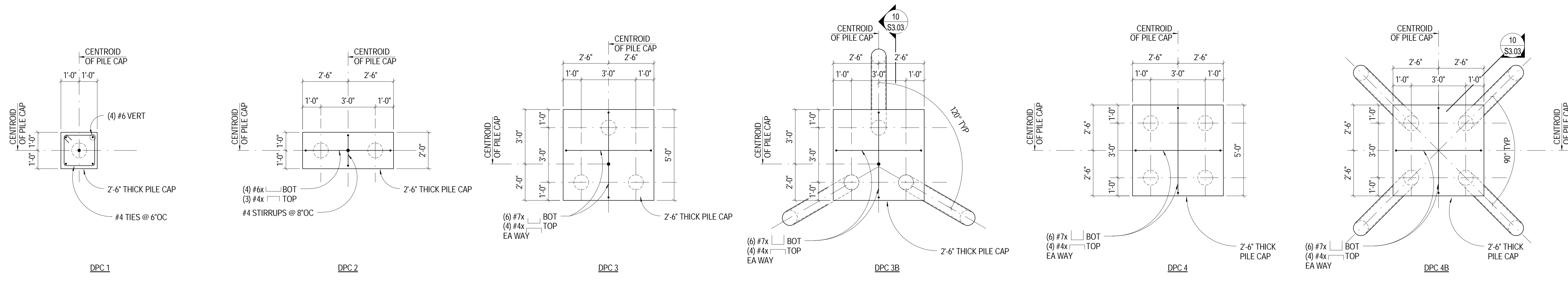
FRUITA COLORADO

M/M Project No.: 21468.S.01

CONCRETE DETAILS

Drawn By: DE, LB
 Checked By: BN, GS

S3.02



- NOTES:
- RE: SPECS FOR PLACEMENT TOLERANCES OF INDIVIDUAL PILES AND PILE GROUPS.
 - SURVEY AS-BUILT LOCATIONS OF ALL PILES AND PREPARE DIMENSIONED PLAN OF PILES THAT DO NOT MEET THE REQUIRED PLACEMENT TOLERANCES. SUBMIT PROPOSED REMEDIATION TO ENGINEER PER NOTE 4C ON S0.02.

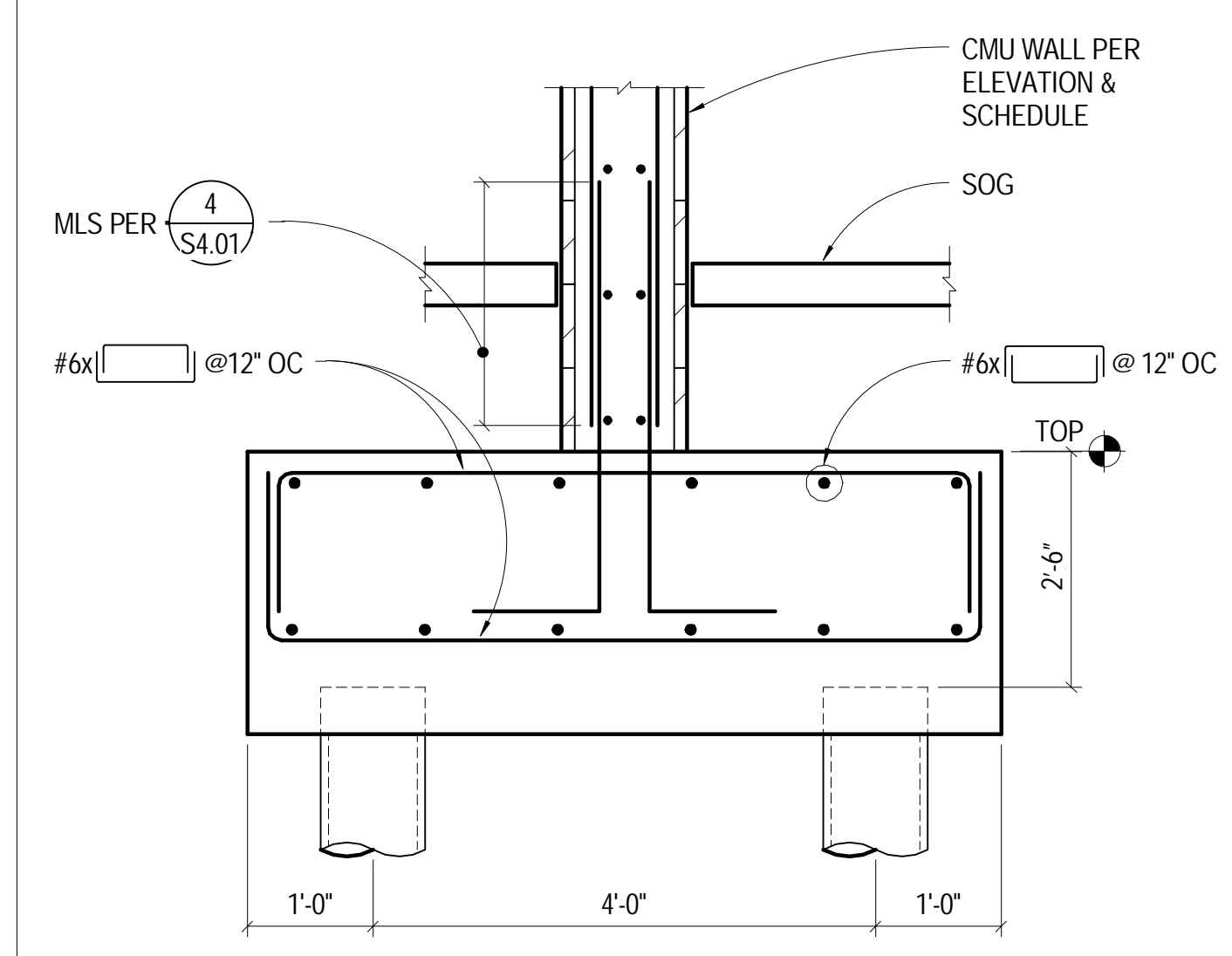
Professional Engineer Seal: Colorado Registered Professional Engineer, No. 26118, Date 09-22-09.

SINK COMBS DETHLEFS
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.358.0201, Fax 303.358.0222

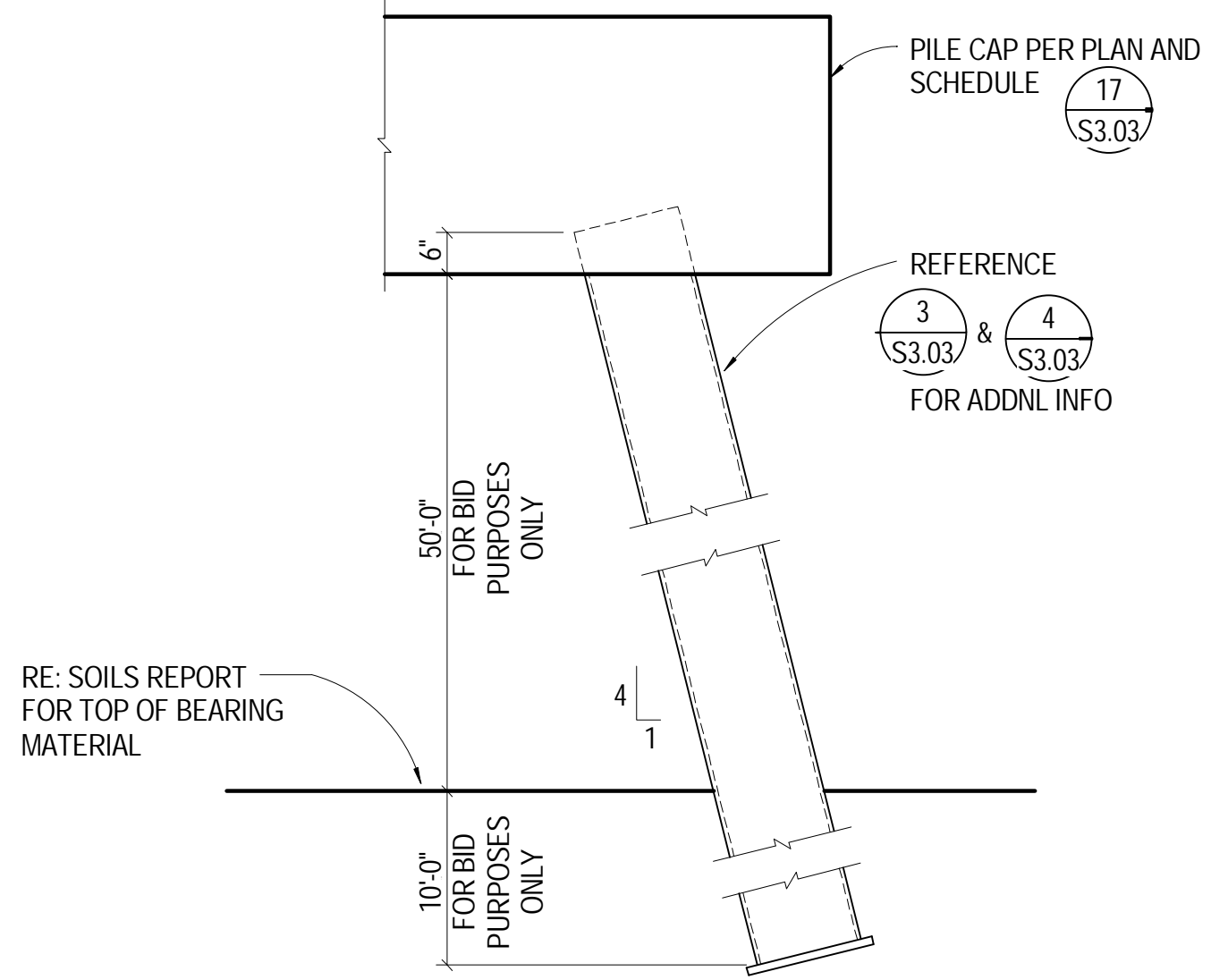
HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
 18499 WEST GOLDFAX AVENUE, P.O. BOX 183800, LAKEWOOD, COLORADO 80218
 303.431.6100, Fax 303.431.6886

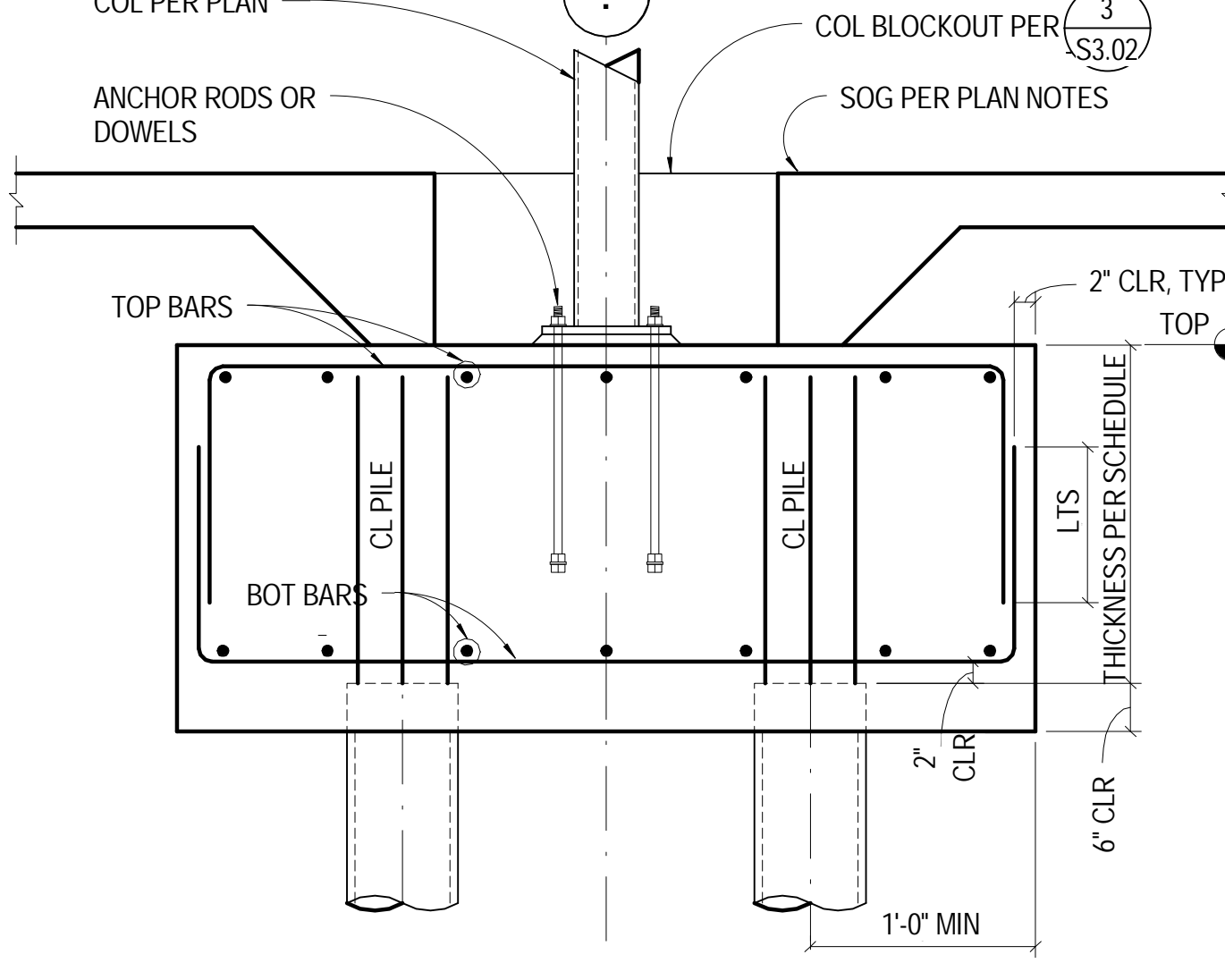
17 NO SCALE TYP PILE GROUPS



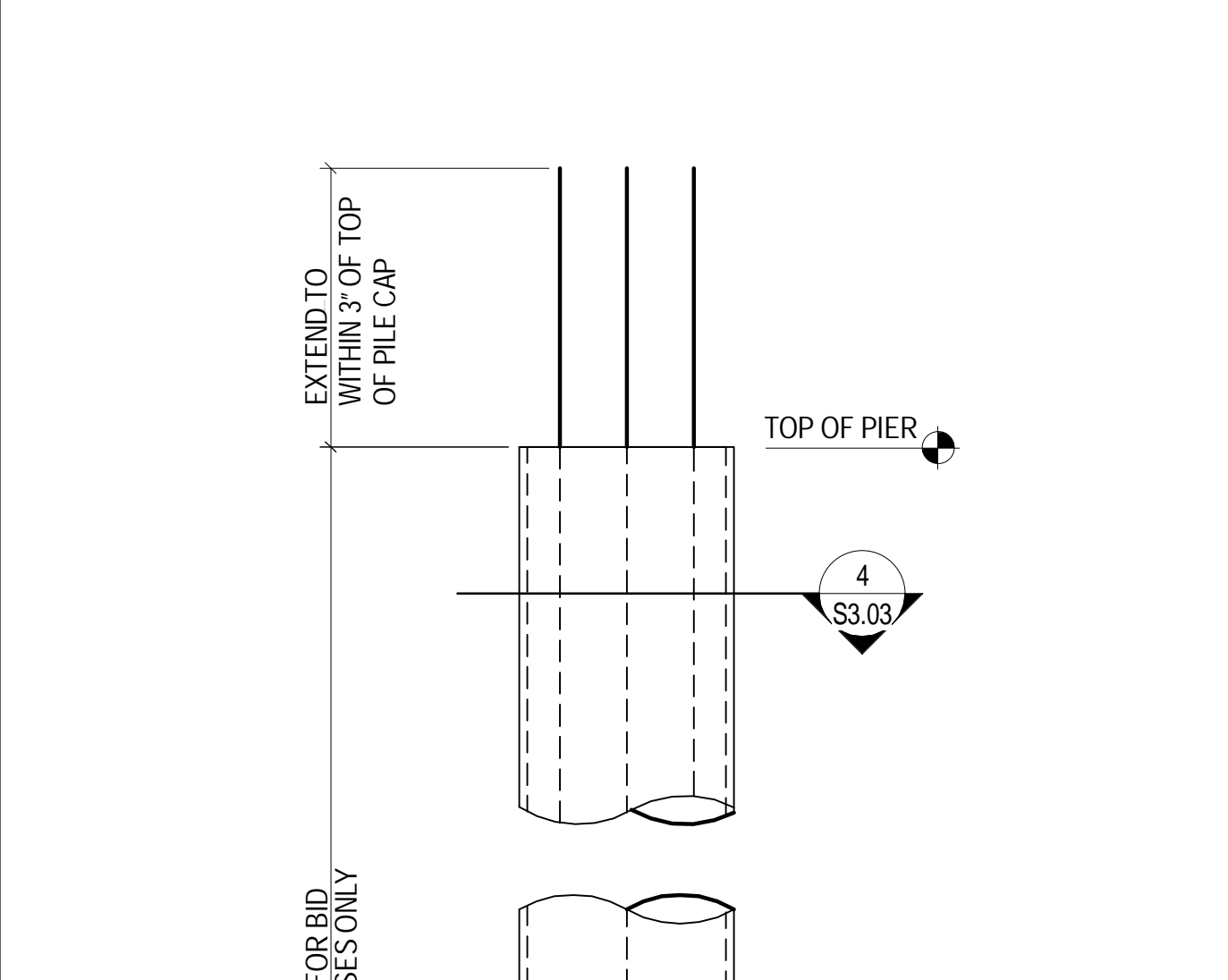
14 3/4" = 1'-0" FOUNDATION AT CMU STAIR WALL



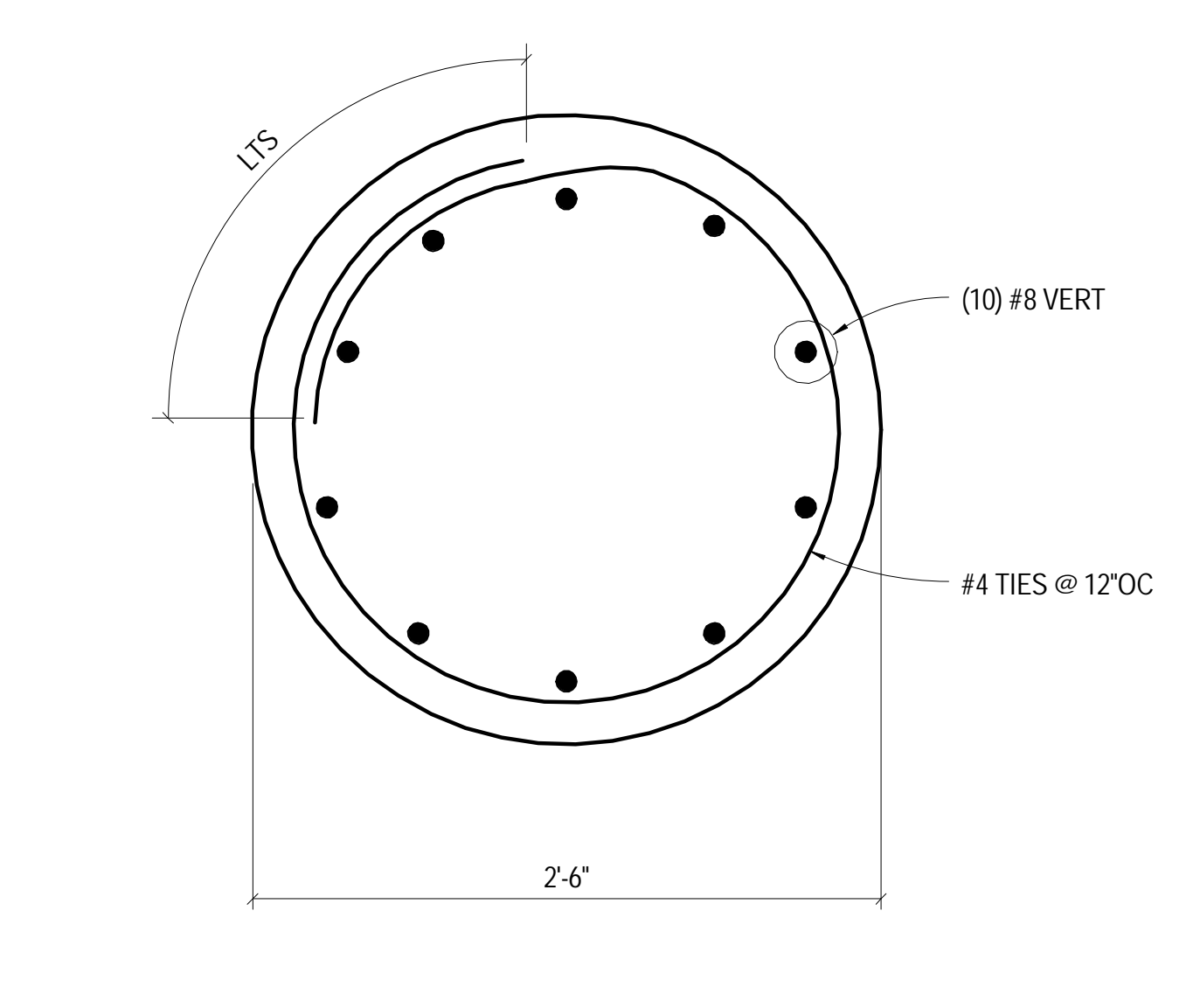
10 NO SCALE BATTERED PILE GEOMETRY



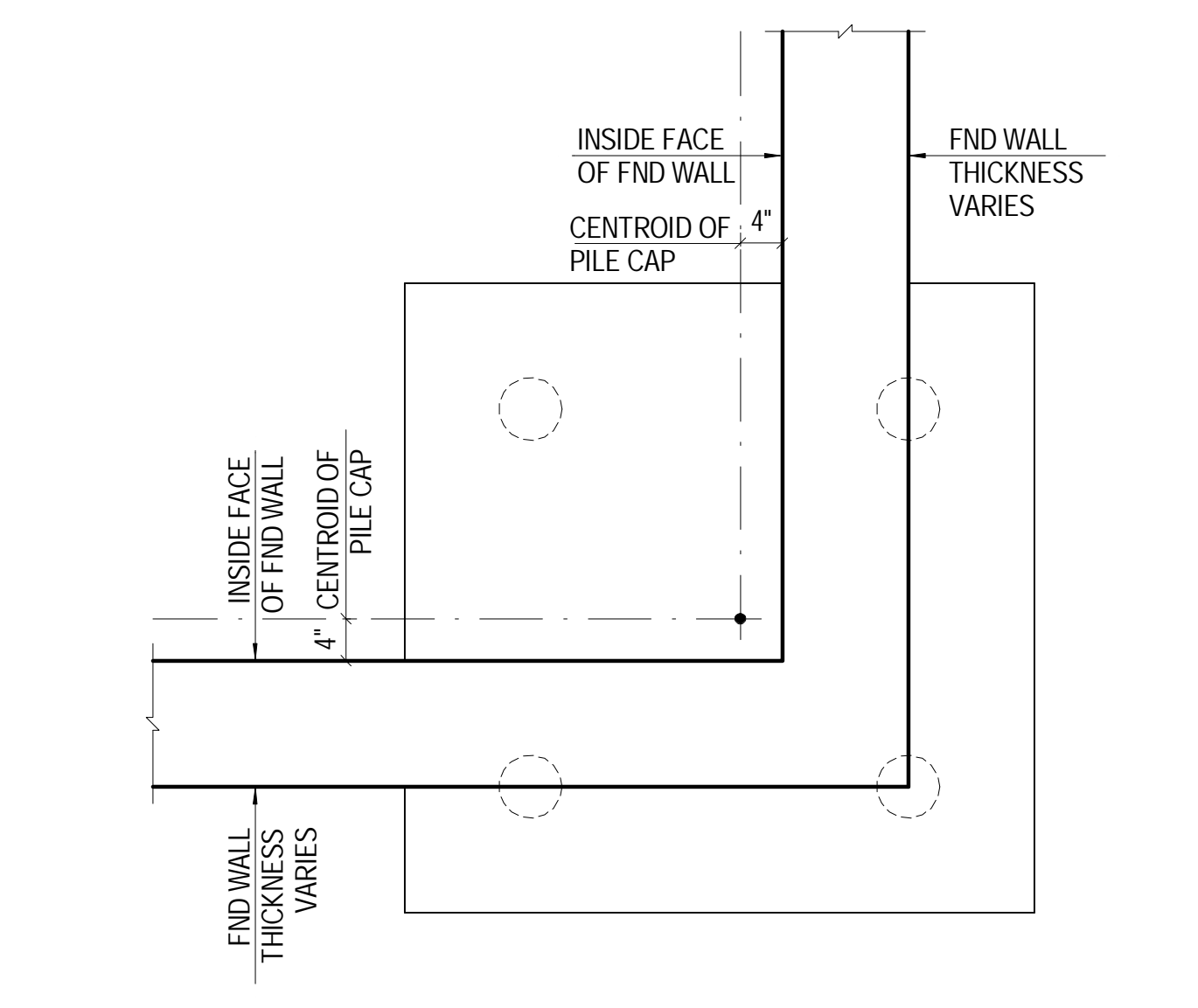
6 NO SCALE TYP PILE CAP ELEVATION



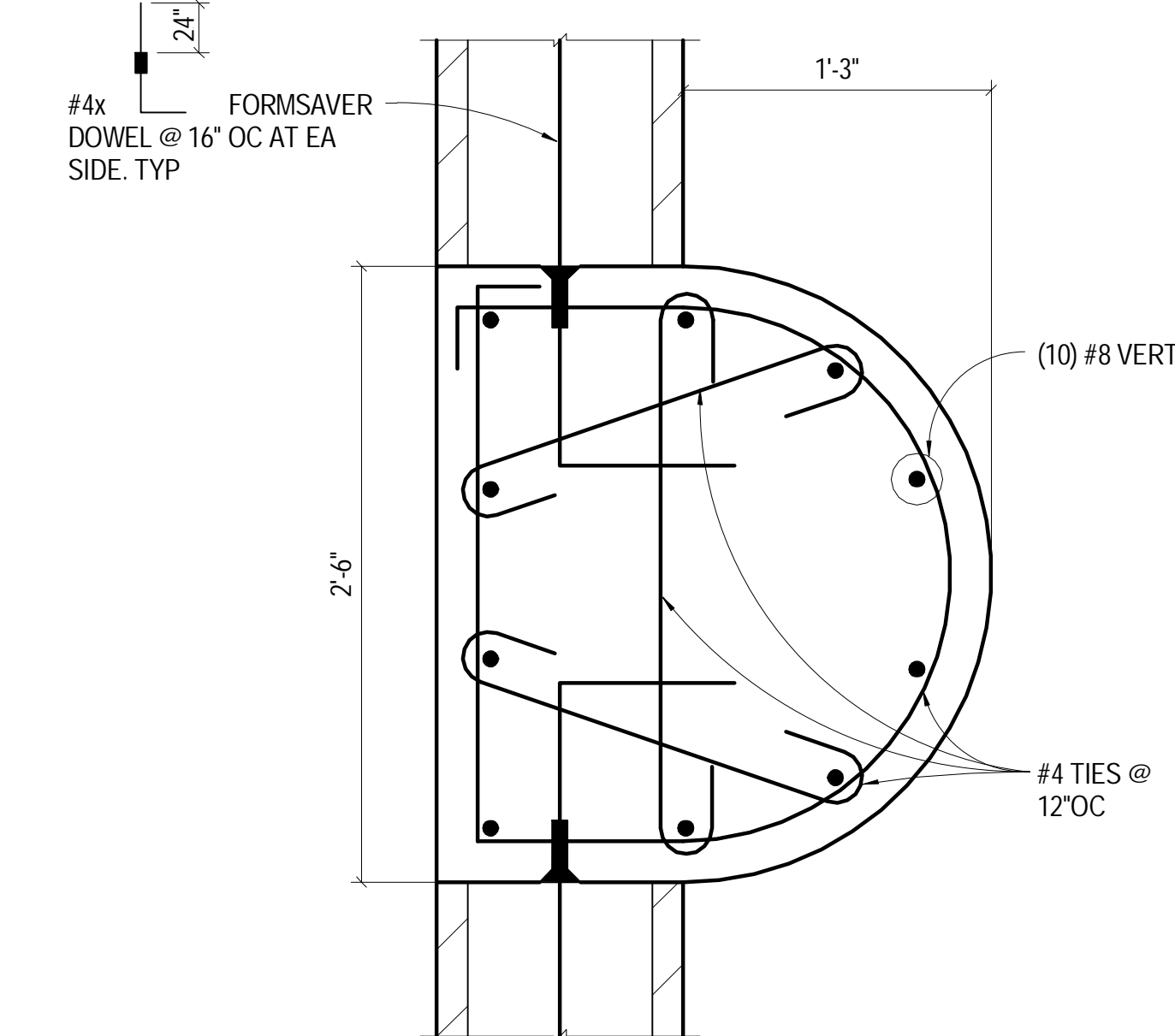
3 NO SCALE PILE END DETAIL



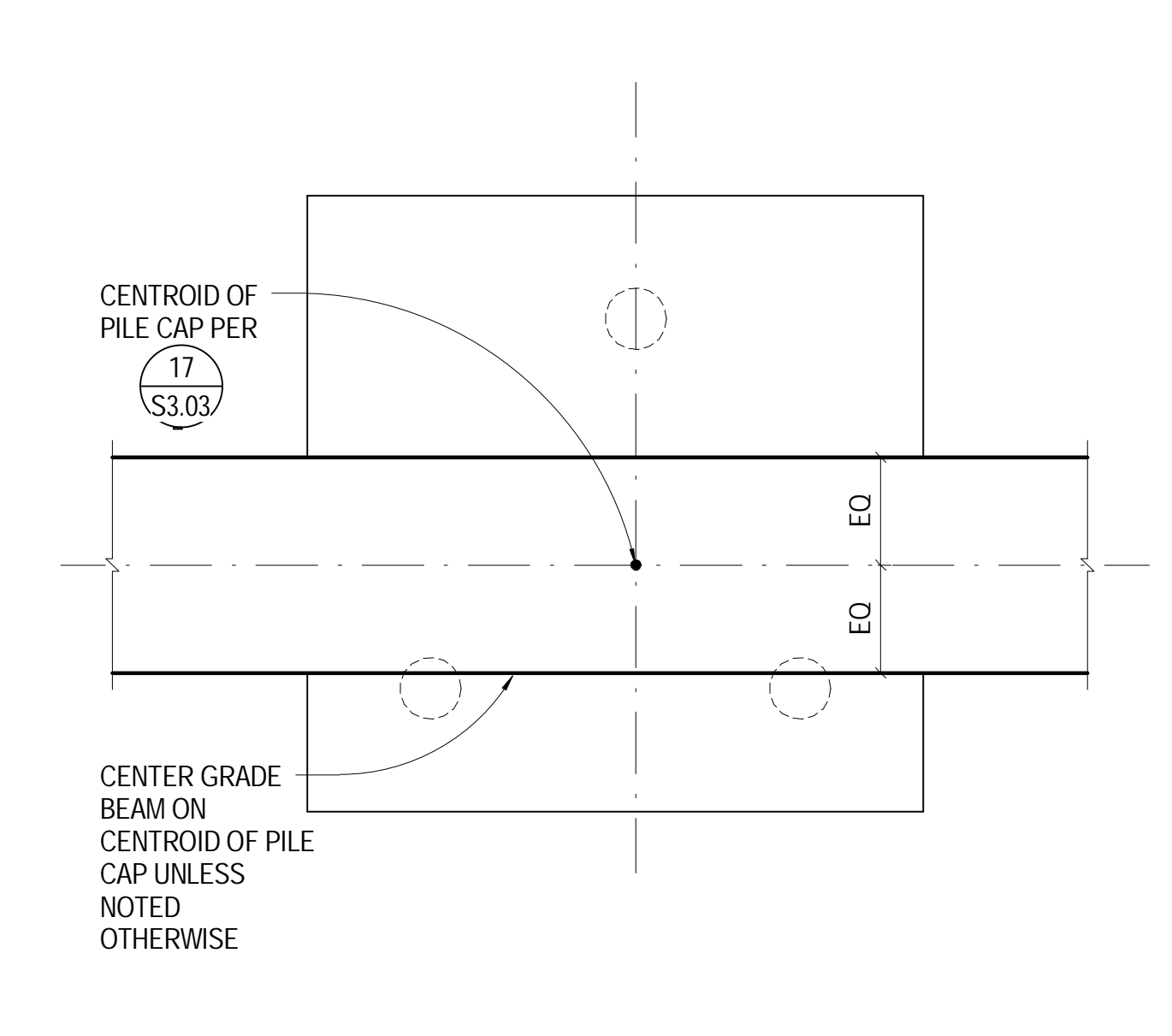
11 1 1/2" = 1'-0" 30"Ø CONC COL



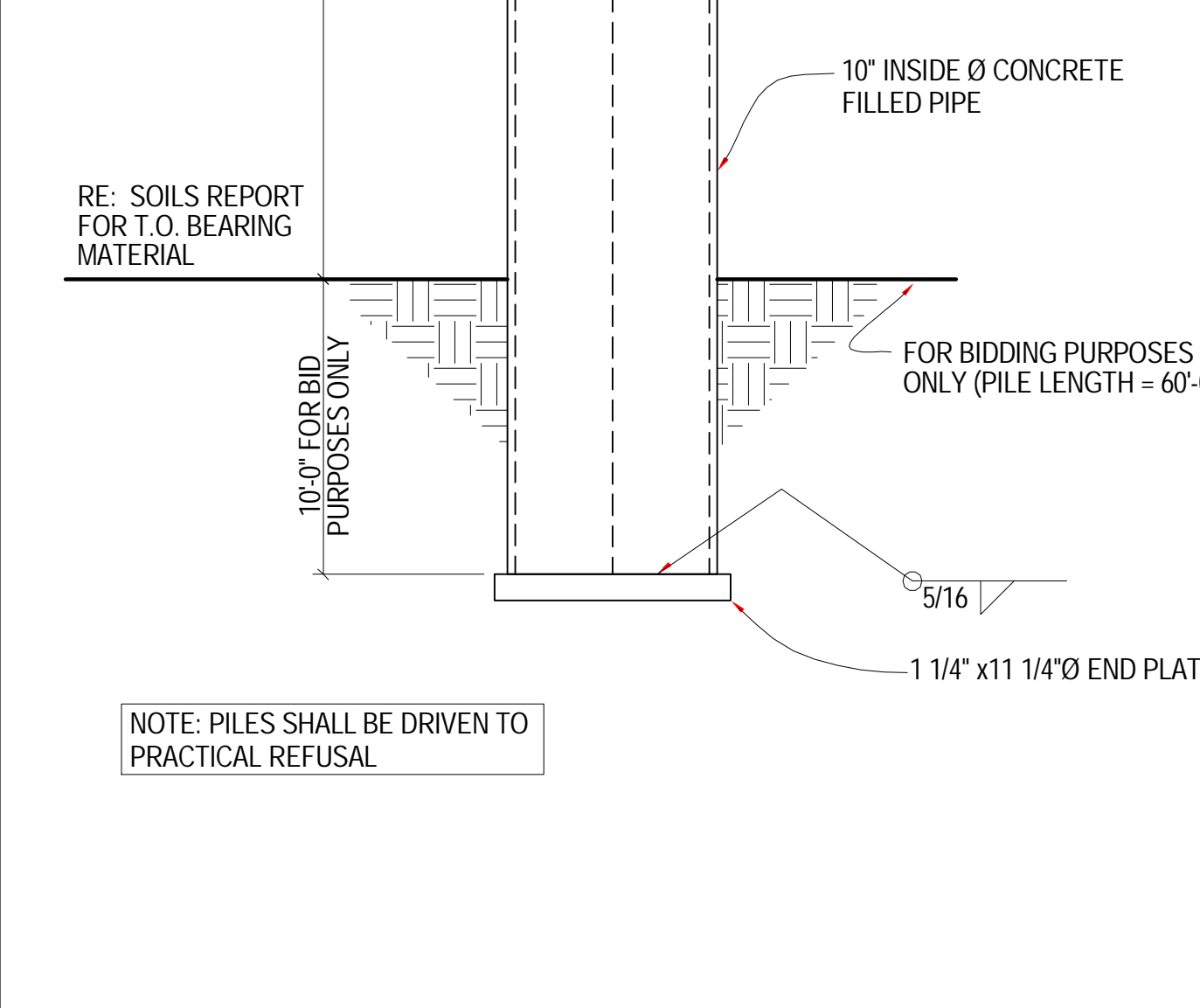
7 3/4" = 1'-0" CORNER GEOMETRY AT 3 AND 4 PILE CAPS



12 1 1/2" = 1'-0" CONC COL AT CMU WALL



8 3/4" = 1'-0" 3 PILE CAP AT CONTINUOUS GRADE BEAM



4 1 1/2" = 1'-0" TYP PILE REINF

KEY PLAN

Issues/Revisions	Date
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

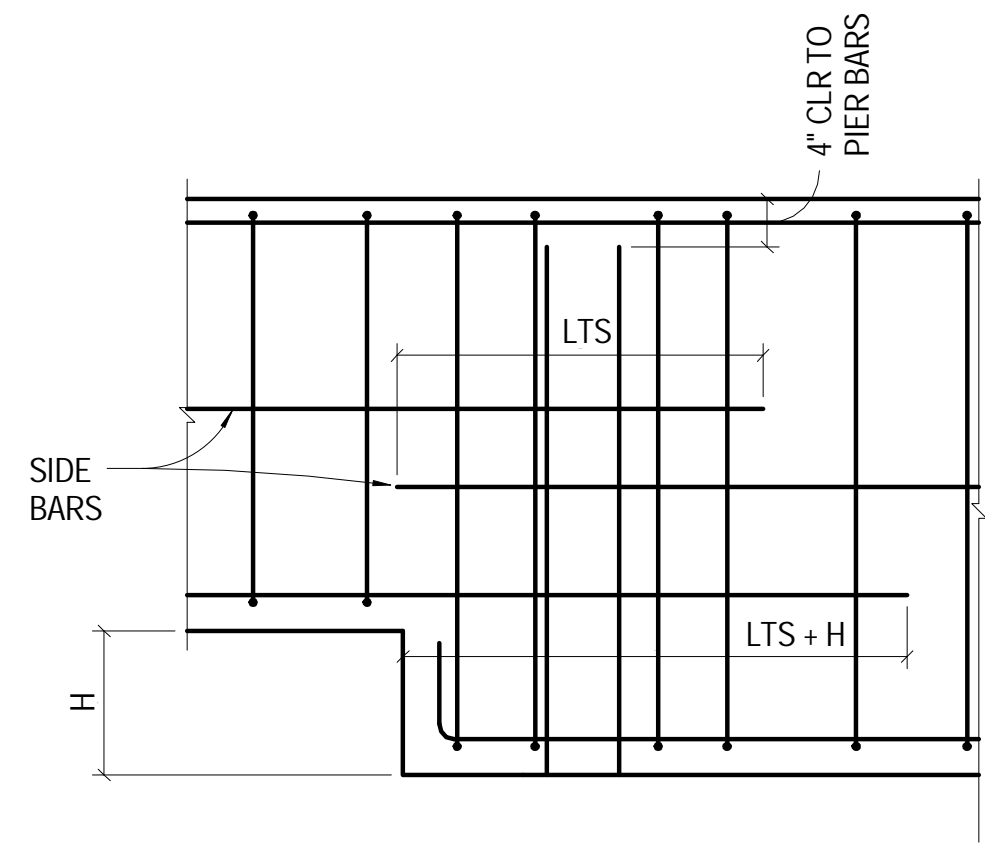
FRUITA COLORADO

M/M Project No.: 21468.S.01

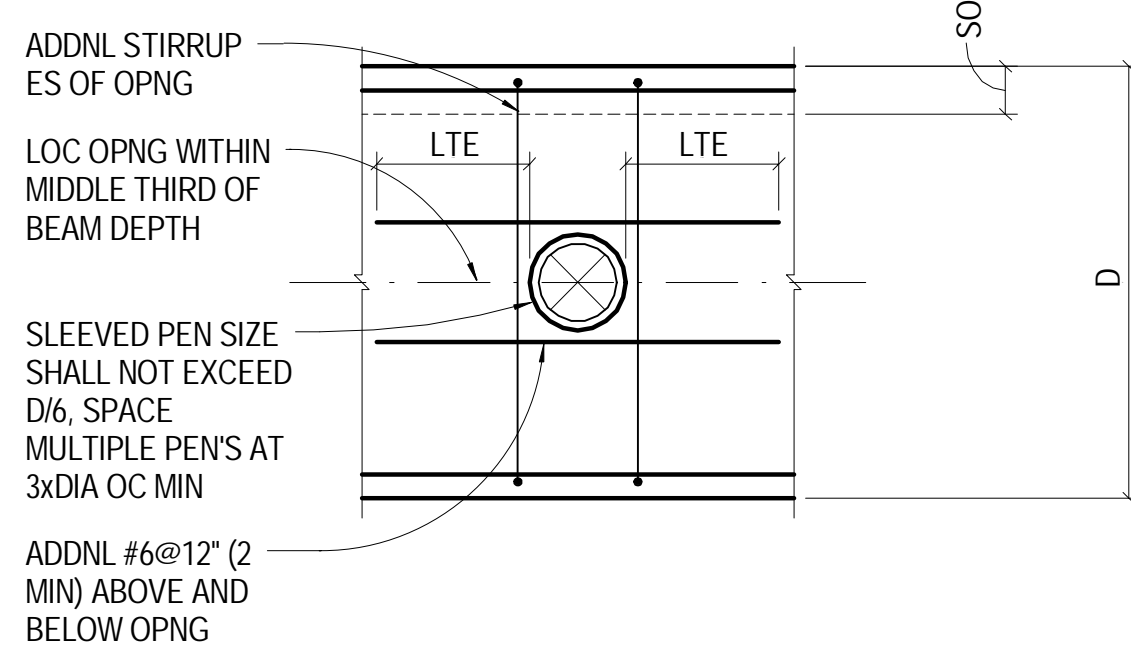
CONCRETE DETAILS

Drawn By: DE, LB
 Checked By: BN, GS

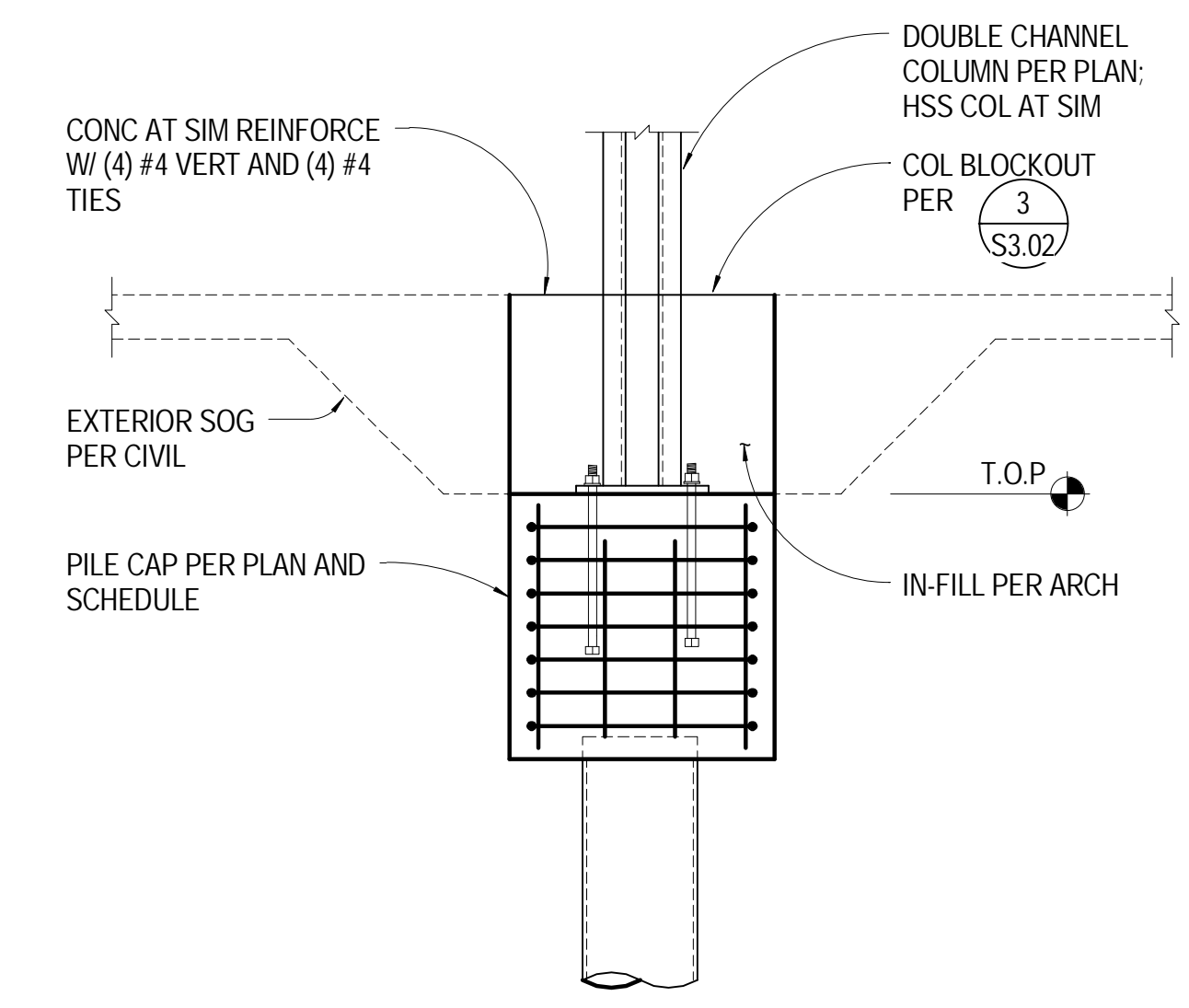
S3.03



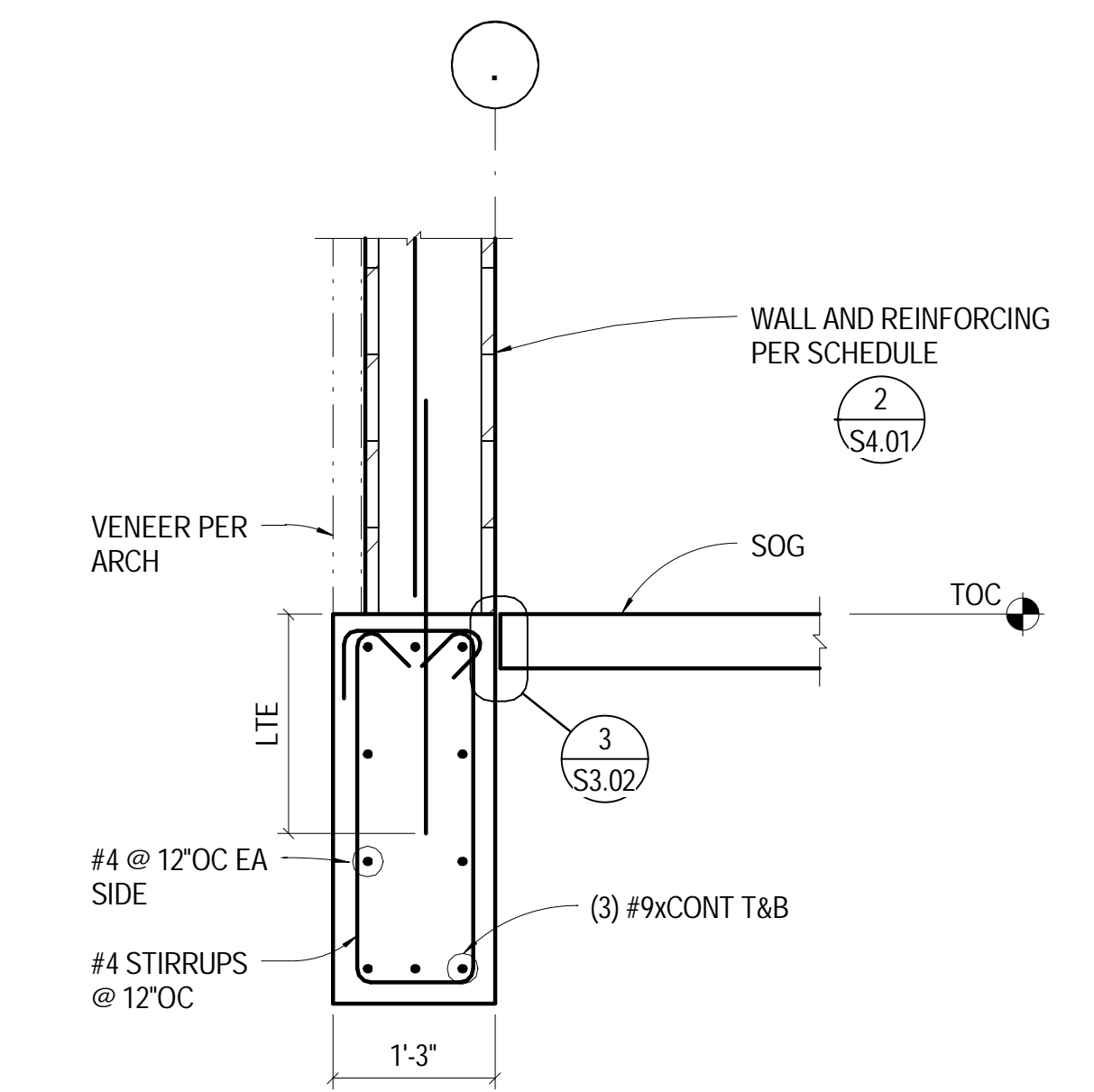
17 NO SCALE TYP GRADE BEAM STEP - 2



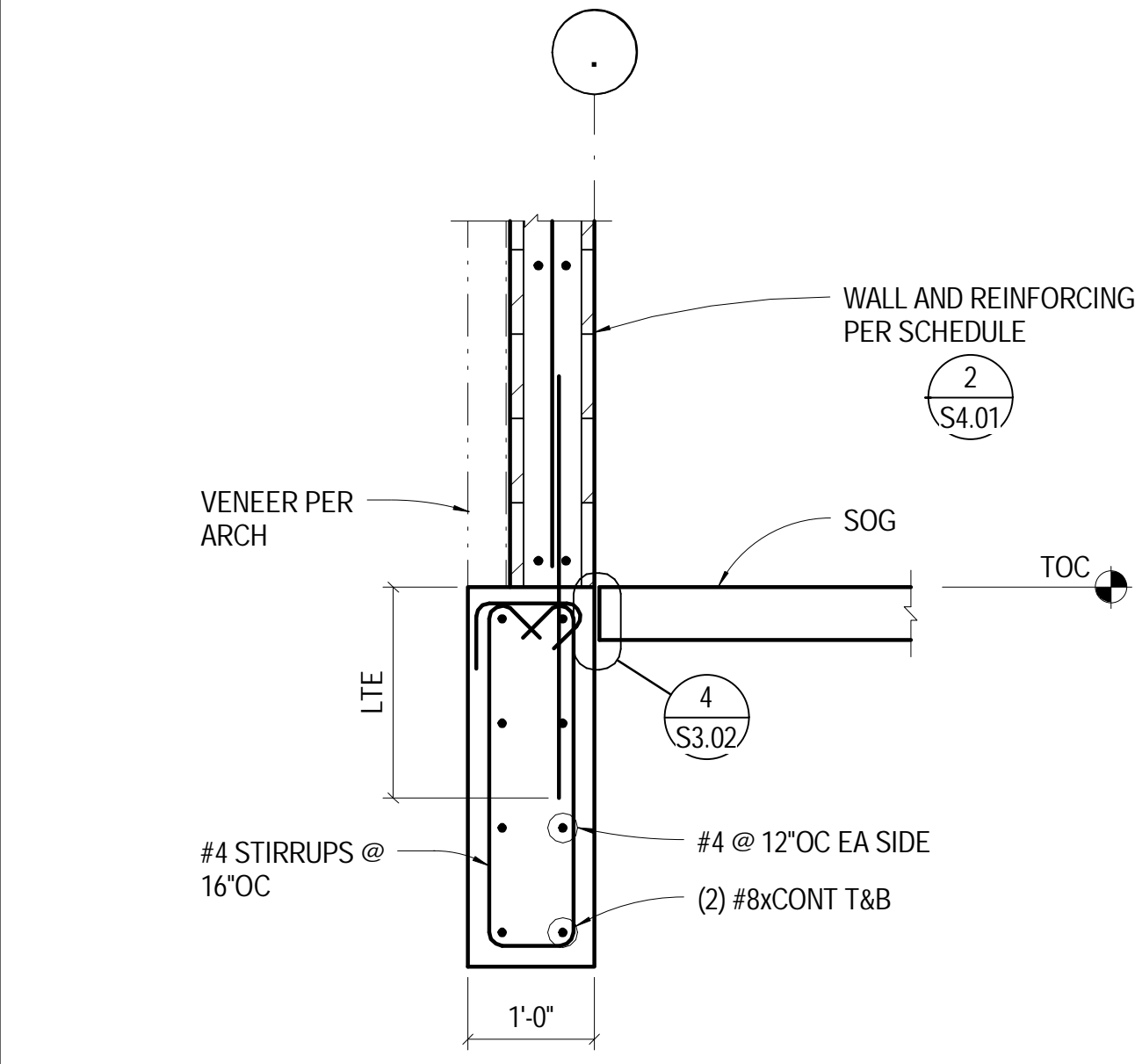
13 3/4" = 1'-0" TYP GRADE BEAM - SLEEVED OPENING



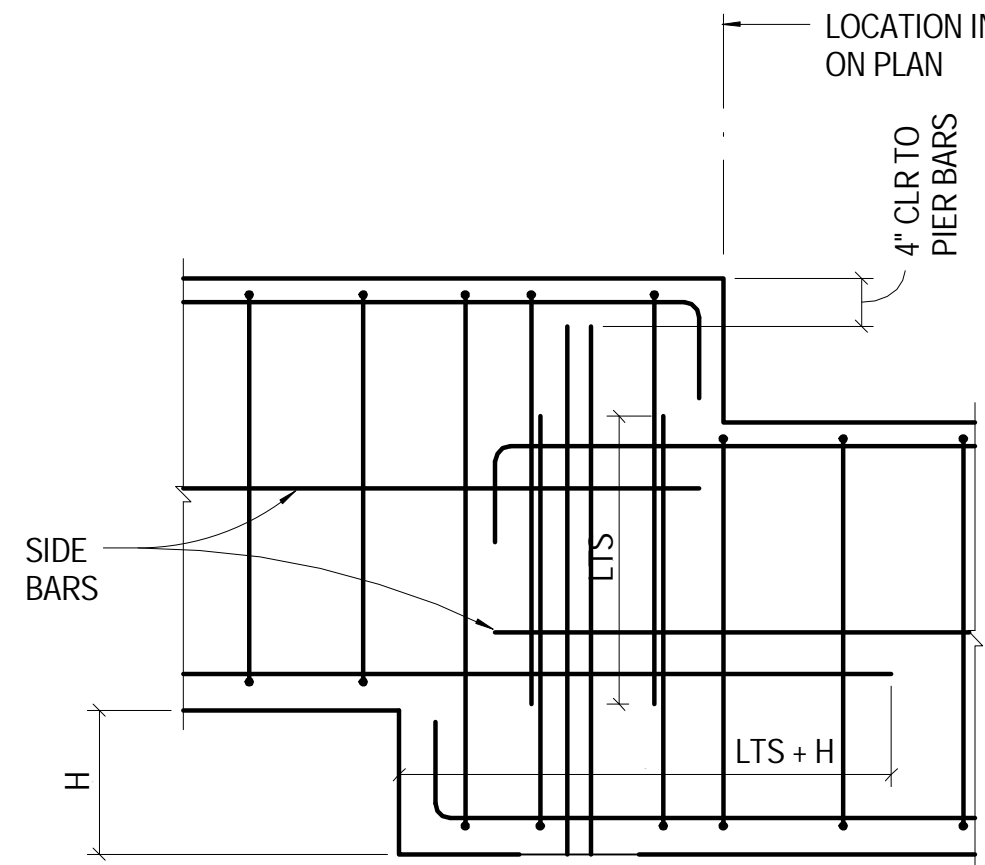
9 3/4" = 1'-0" PILE CAP AT AWNING COLUMN



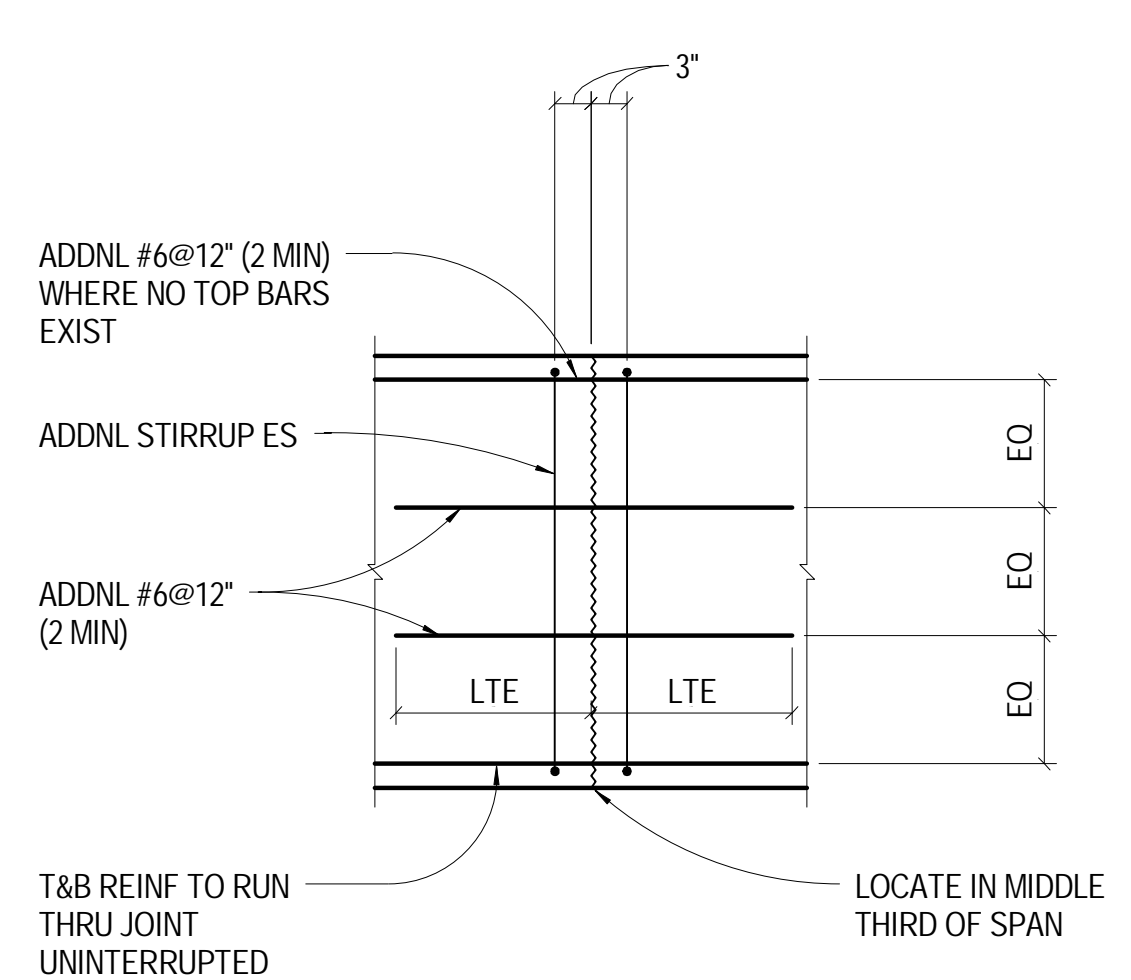
5 3/4" = 1'-0" FOUNDATION AT EXTERIOR 12" CMU WALL



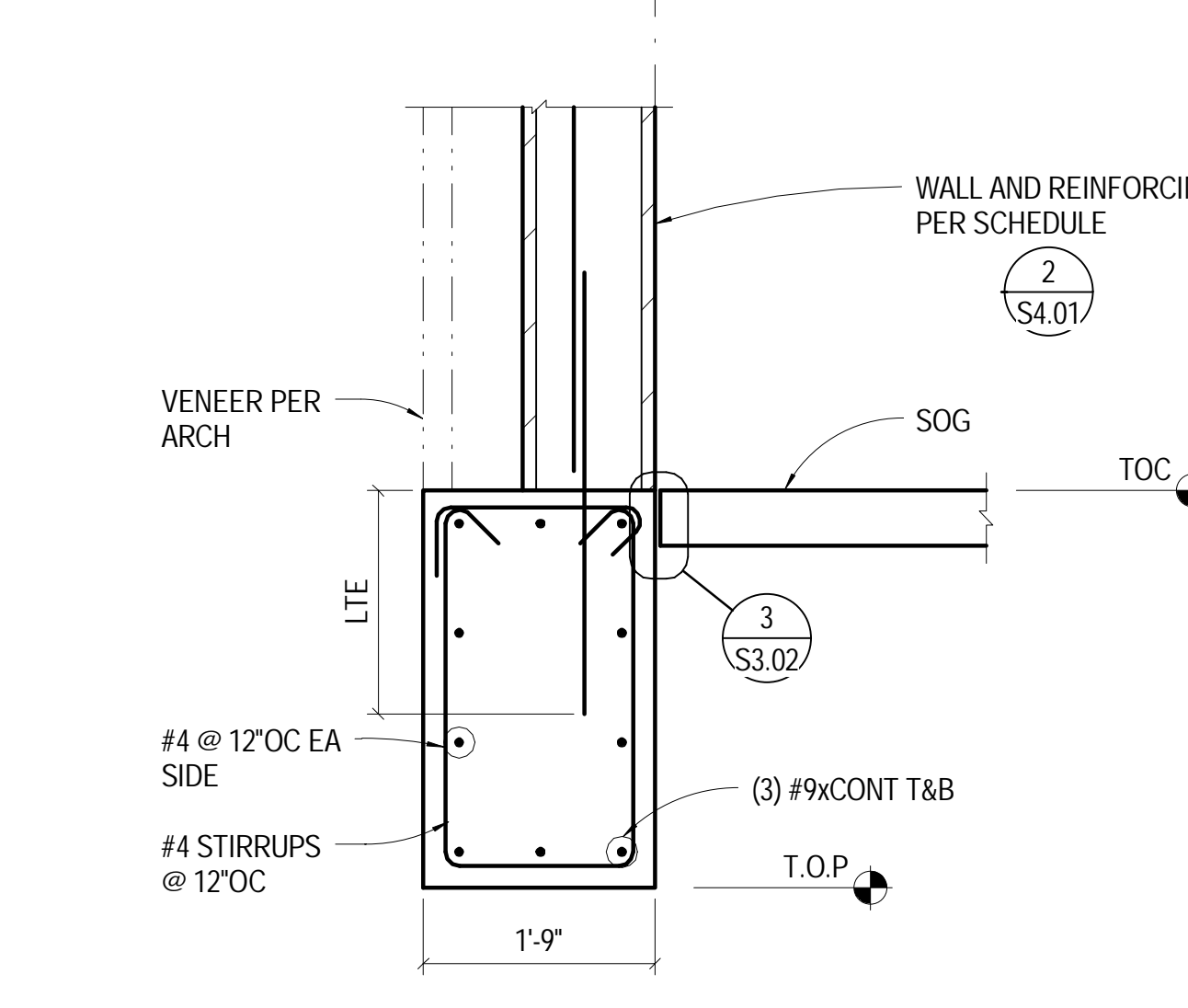
1 3/4" = 1'-0" FOUNDATION AT EXTERIOR CMU WALL



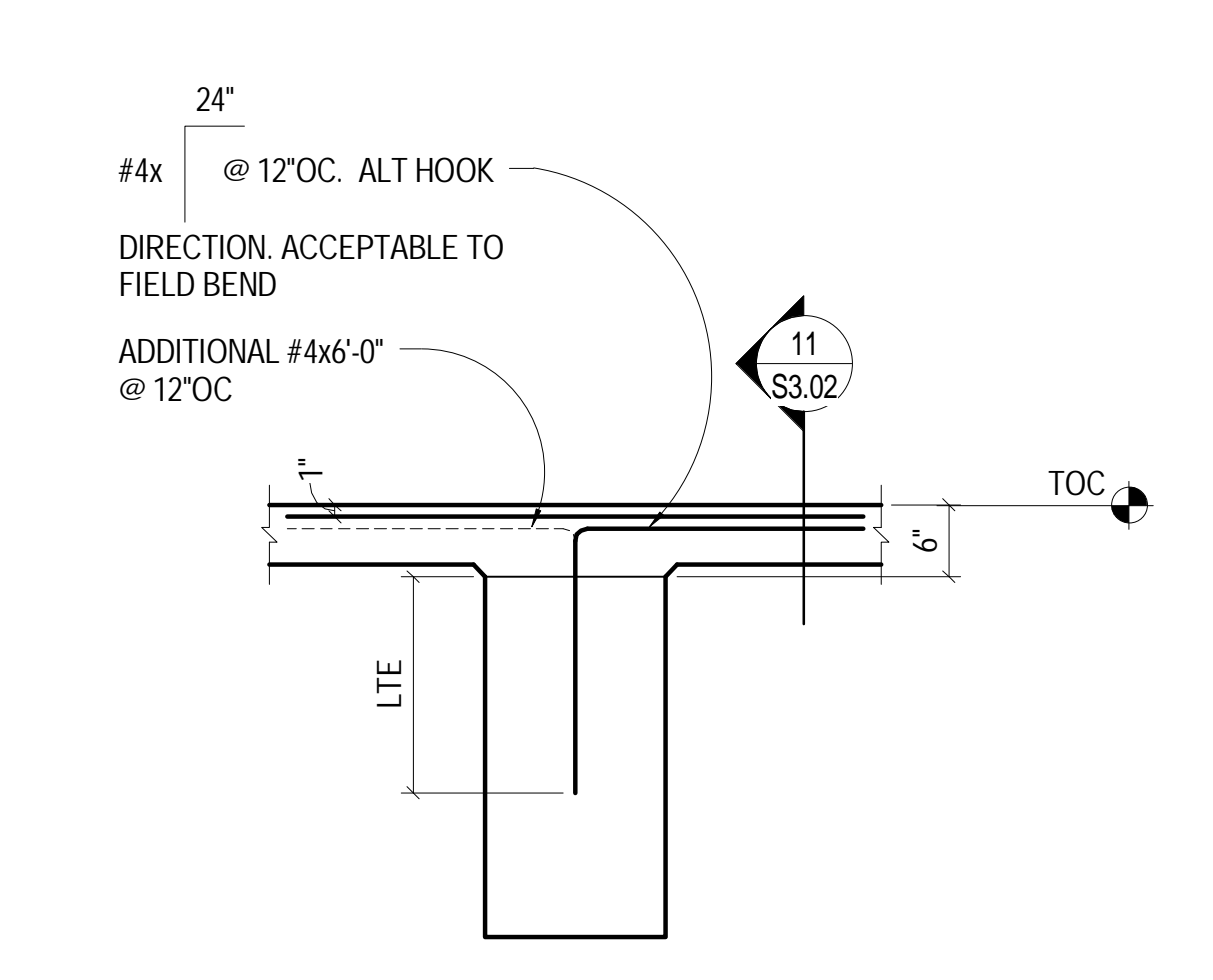
18 NO SCALE TYP GRADE BEAM STEP - 1



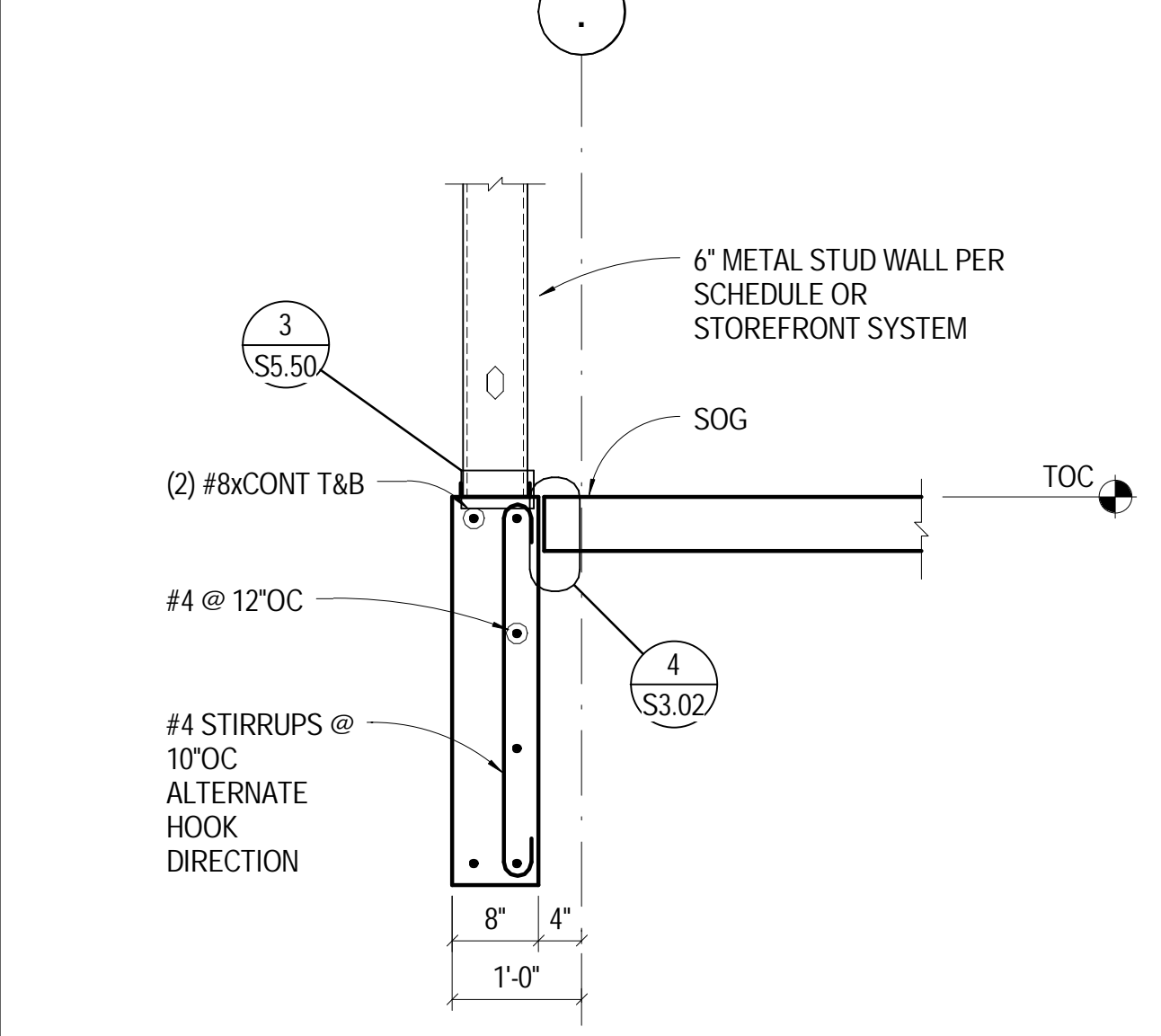
14 3/4" = 1'-0" TYP GRADE BEAM CONST JT



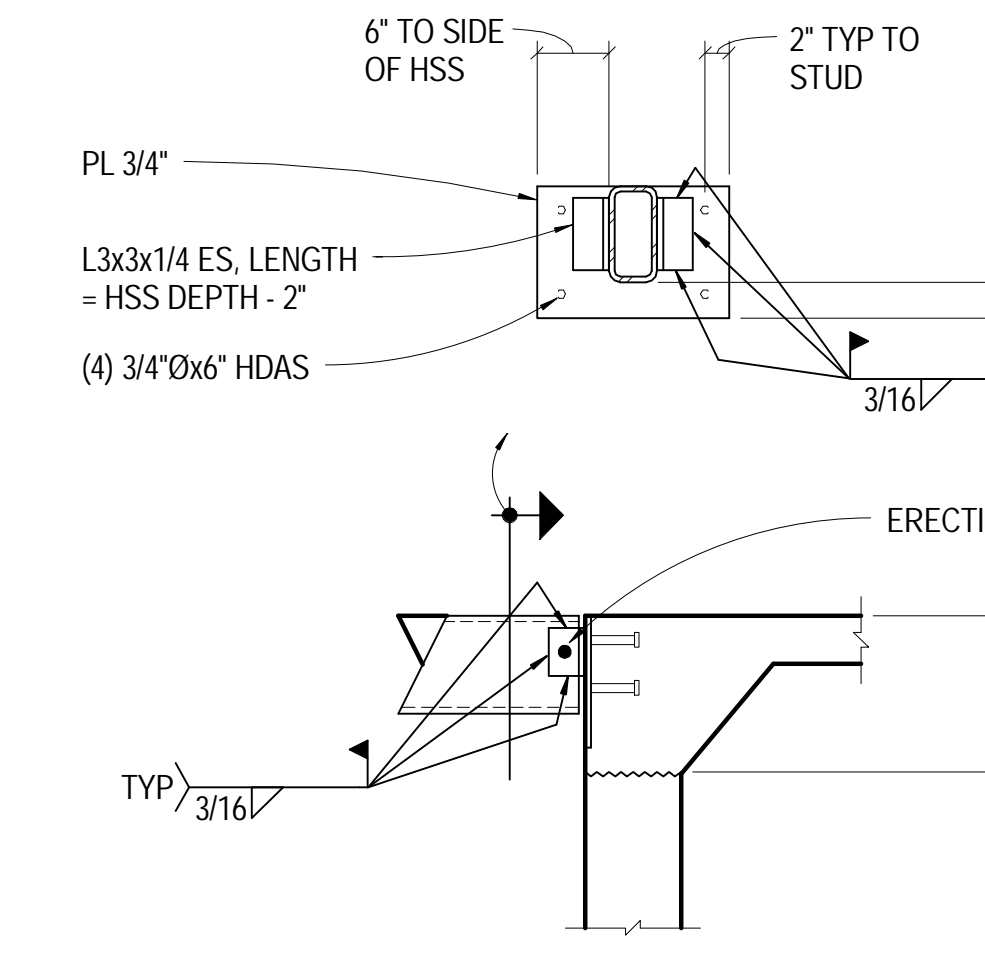
10 3/4" = 1'-0" FOUNDATION AT EXTERIOR 12" CMU WALL WITH BRICKLEDGE



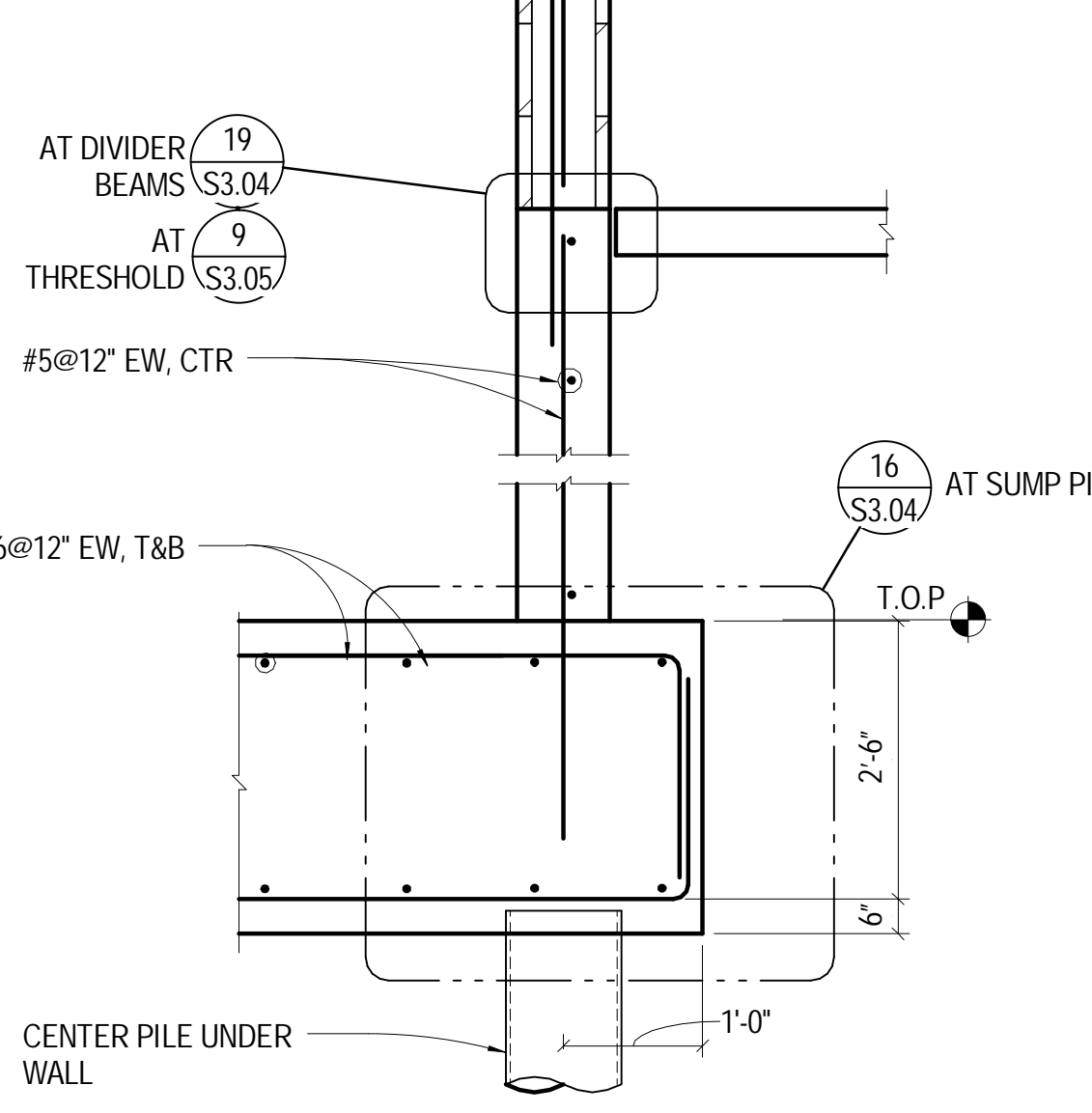
6 3/4" = 1'-0" FOUNDATION AT INTERIOR THRESHOLD



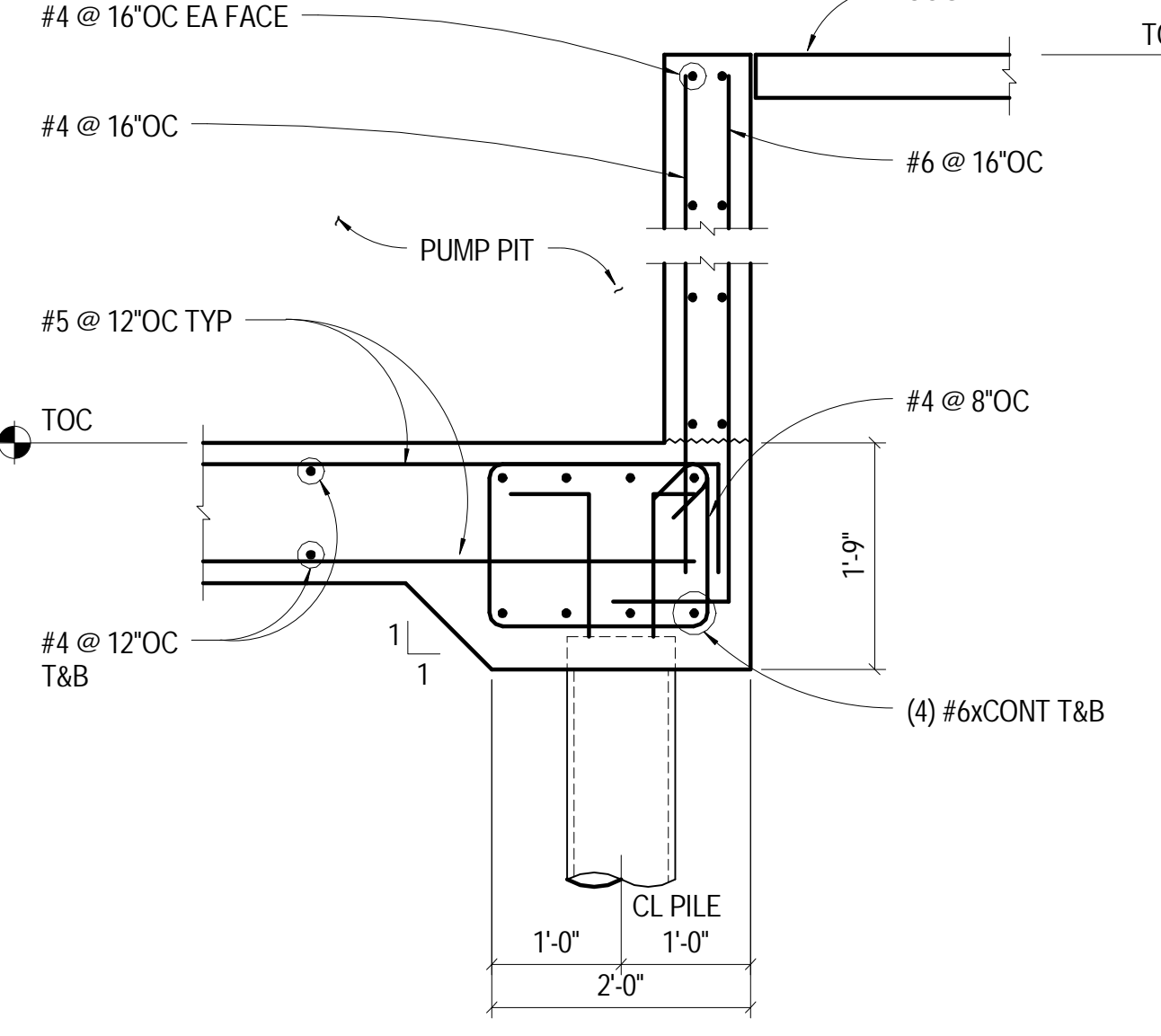
2 3/4" = 1'-0" FOUNDATION AT STORE FRONT



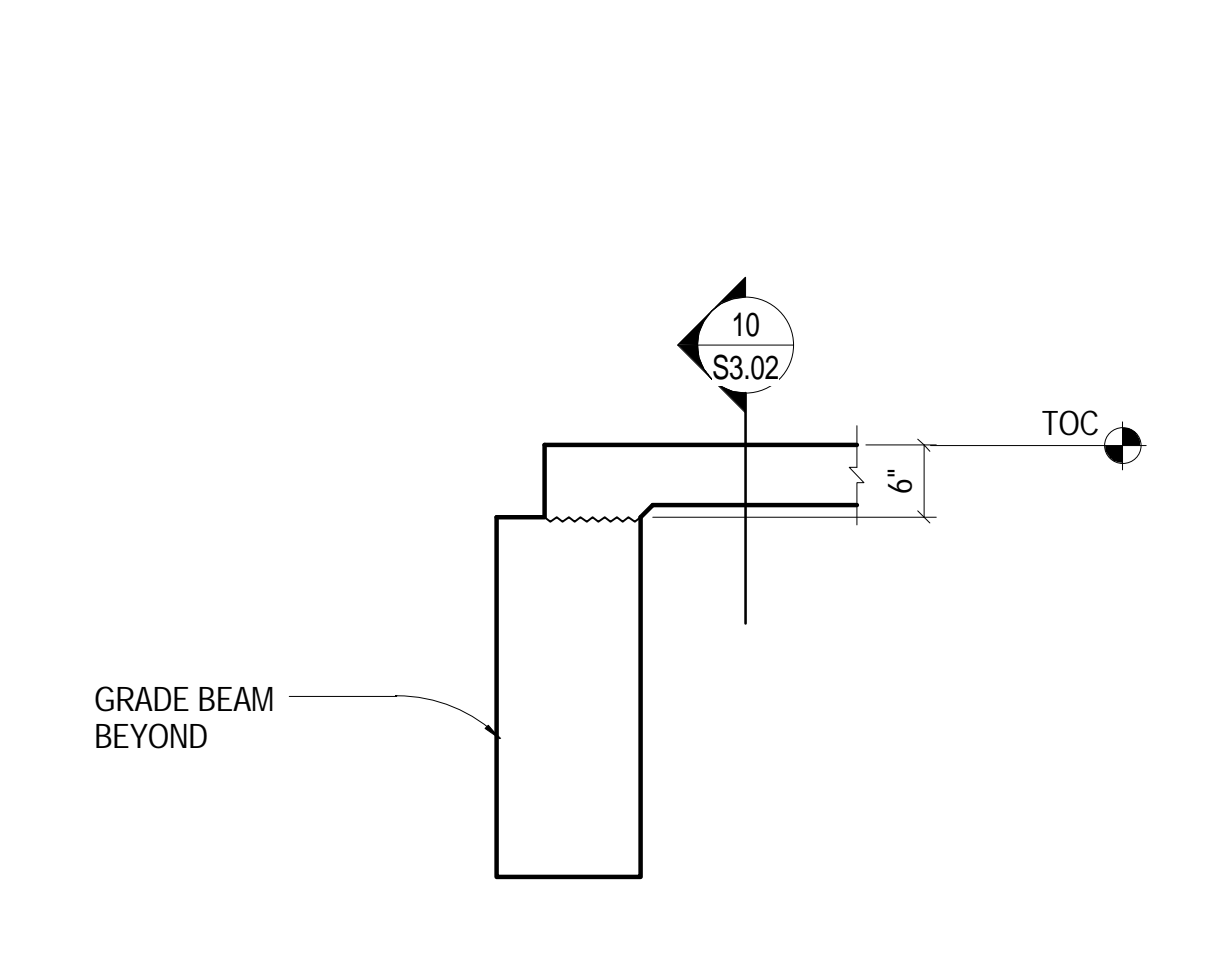
19 3/4" = 1'-0" TYP DIVIDER BEAM AT ELEV PIT



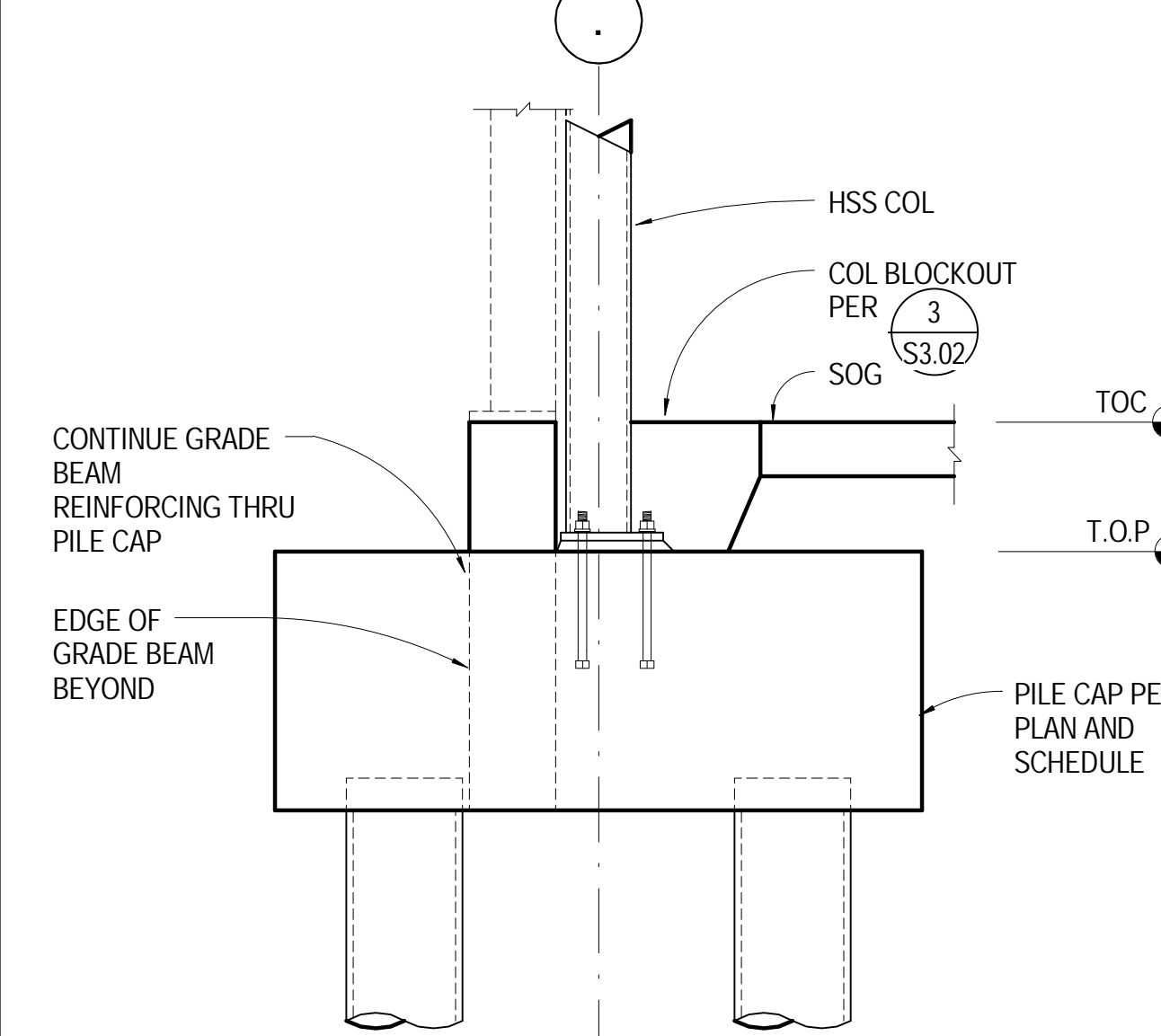
15 NO SCALE TYP ELEVATOR PIT ON PIERS



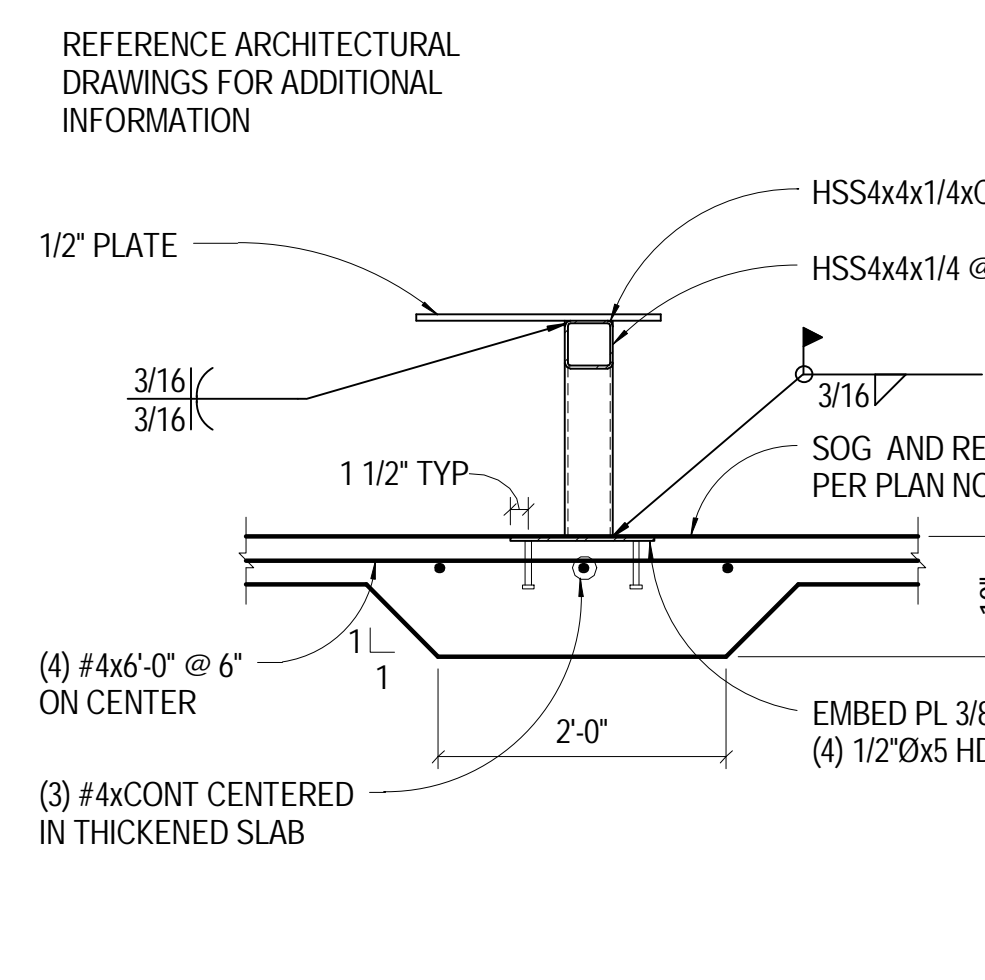
11 3/4" = 1'-0" SLAB AT POOL PUMP PIT



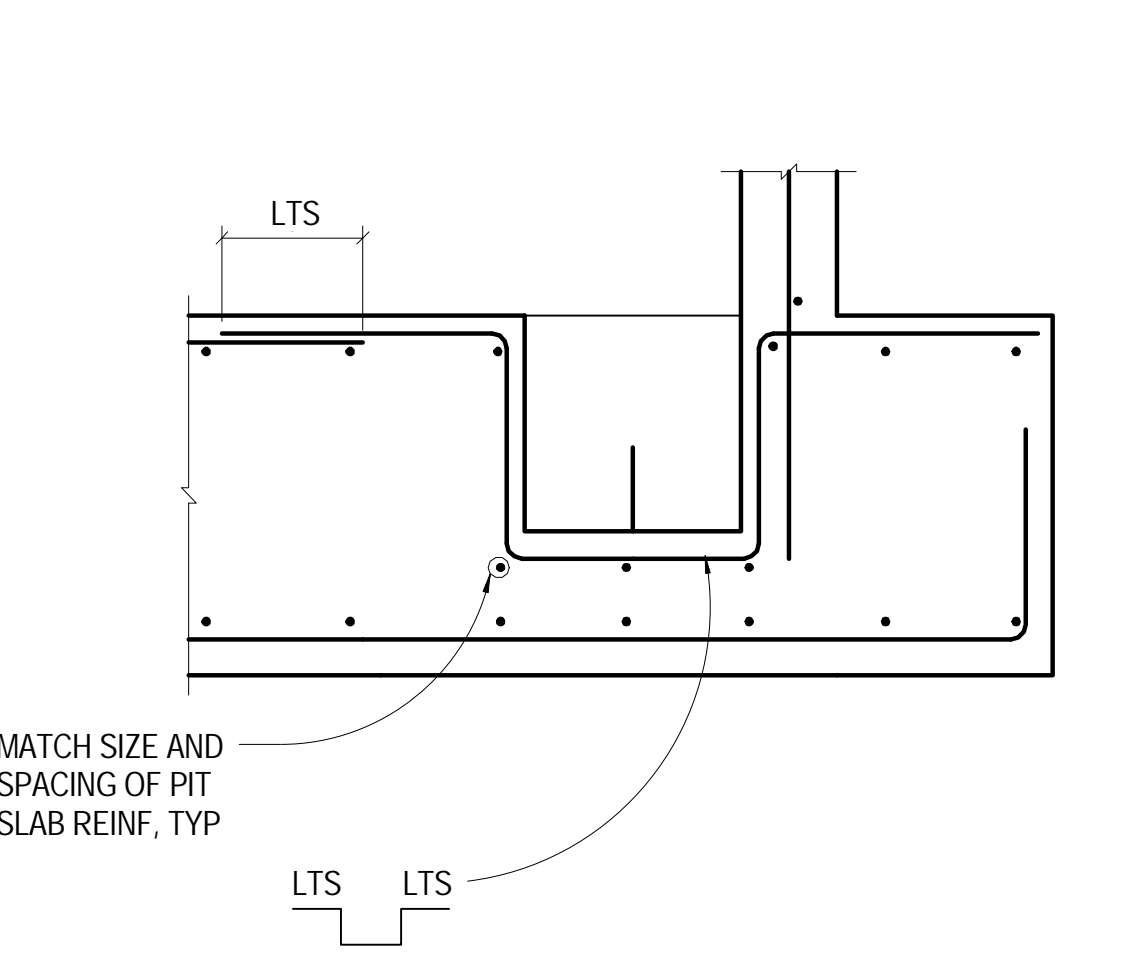
7 3/4" = 1'-0" FOUNDATION AT EXTERIOR THRESHOLD



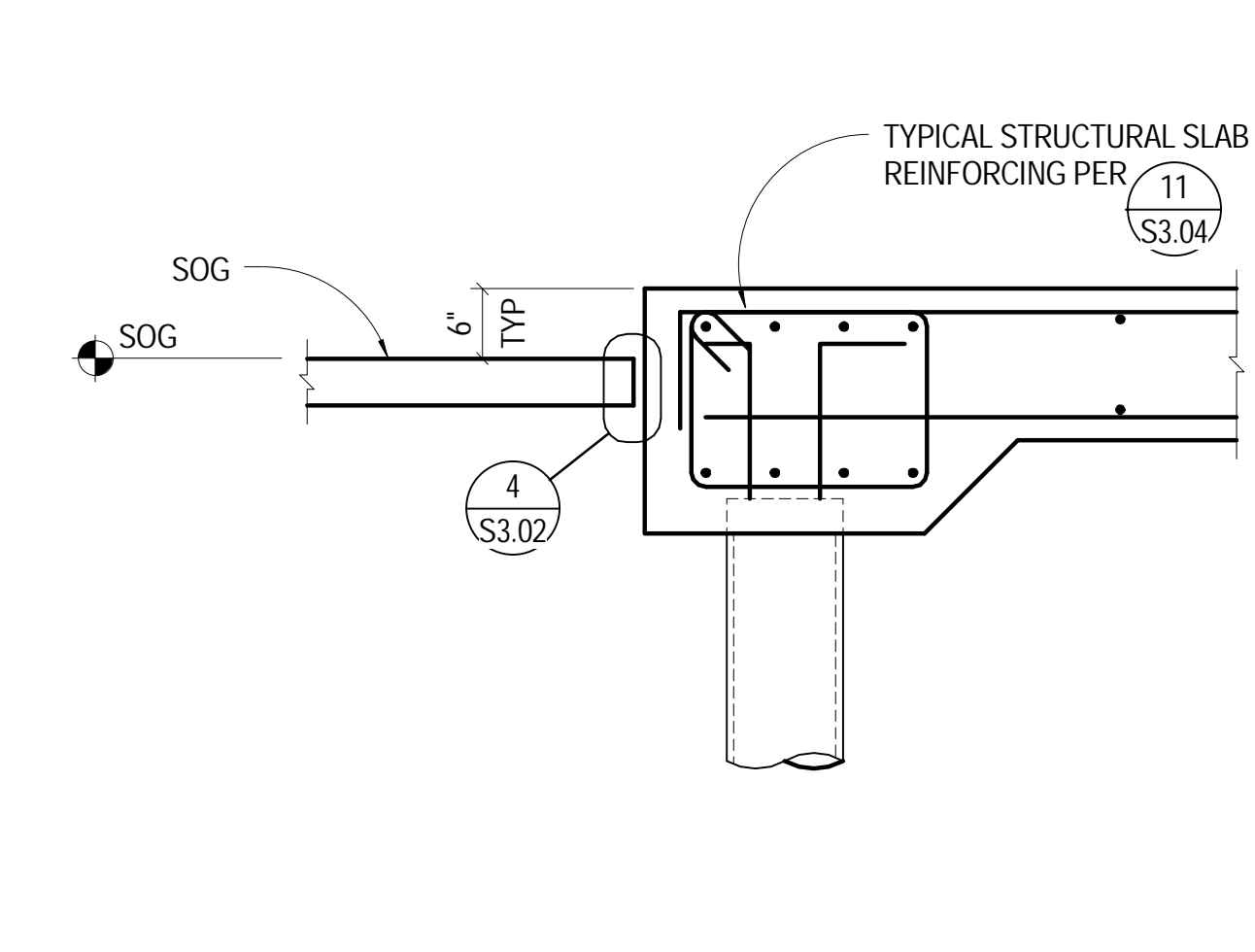
3 3/4" = 1'-0" HSS COLUMN AT GRADE BEAM



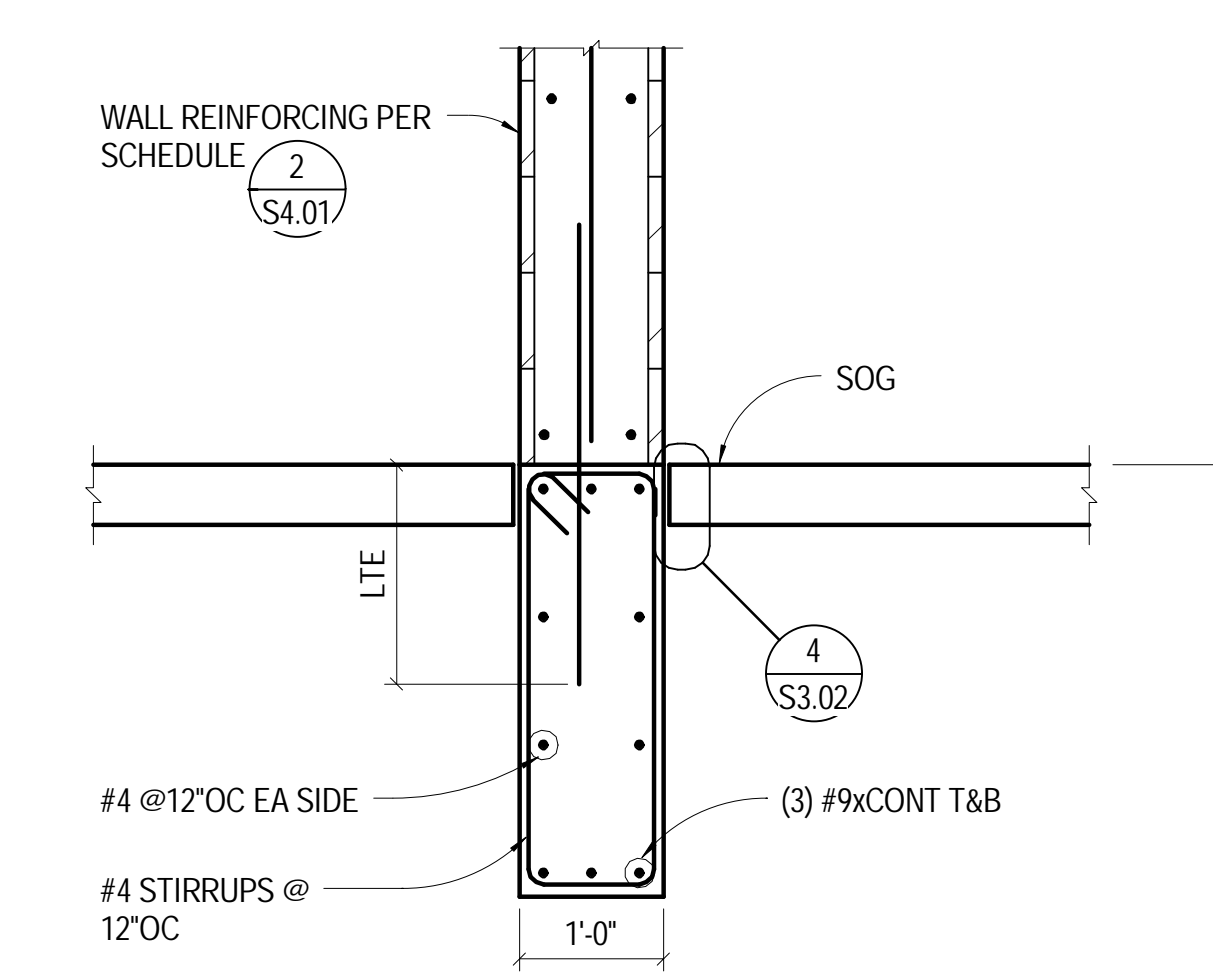
20 3/4" = 1'-0" BENCH SUPPORT AT CHILDCARE WINDOW



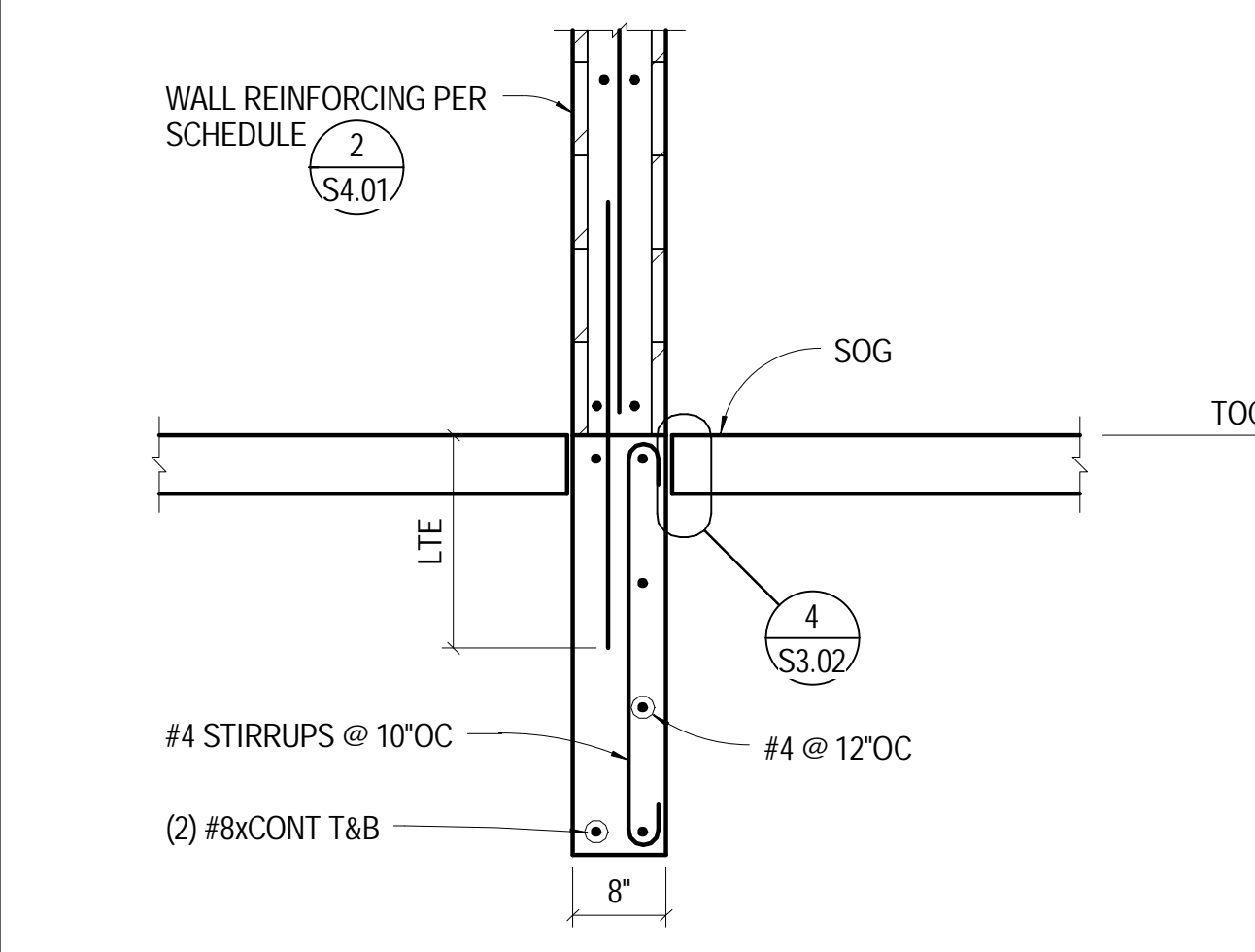
16 3/4" = 1'-0" TYP ELEVATOR SUMP PIT ON PIERS



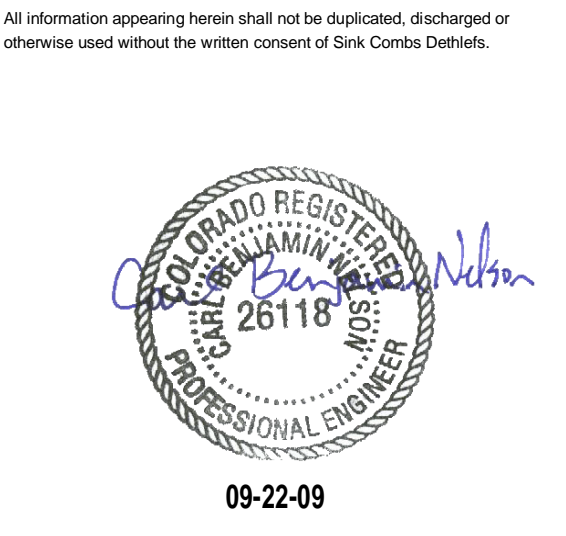
12 3/4" = 1'-0" STRUCTURAL SLAB AT MECH EQUIPMENT



8 3/4" = 1'-0" FOUNDATION AT INTERIOR 12" CMU WALL



4 3/4" = 1'-0" FOUNDATION AT INTERIOR CMU WALL

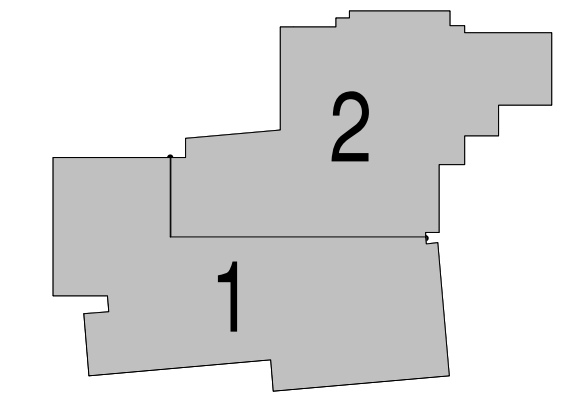


SINK COMBS DETHLEFS
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.358.0201, 303.358.0222, FAX 303.358.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
 18499 WEST GOLFAK AVENUE, P.O. BOX 1163000, LAKWOOD, COLORADO 80116
 303.431.6100, FAX 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

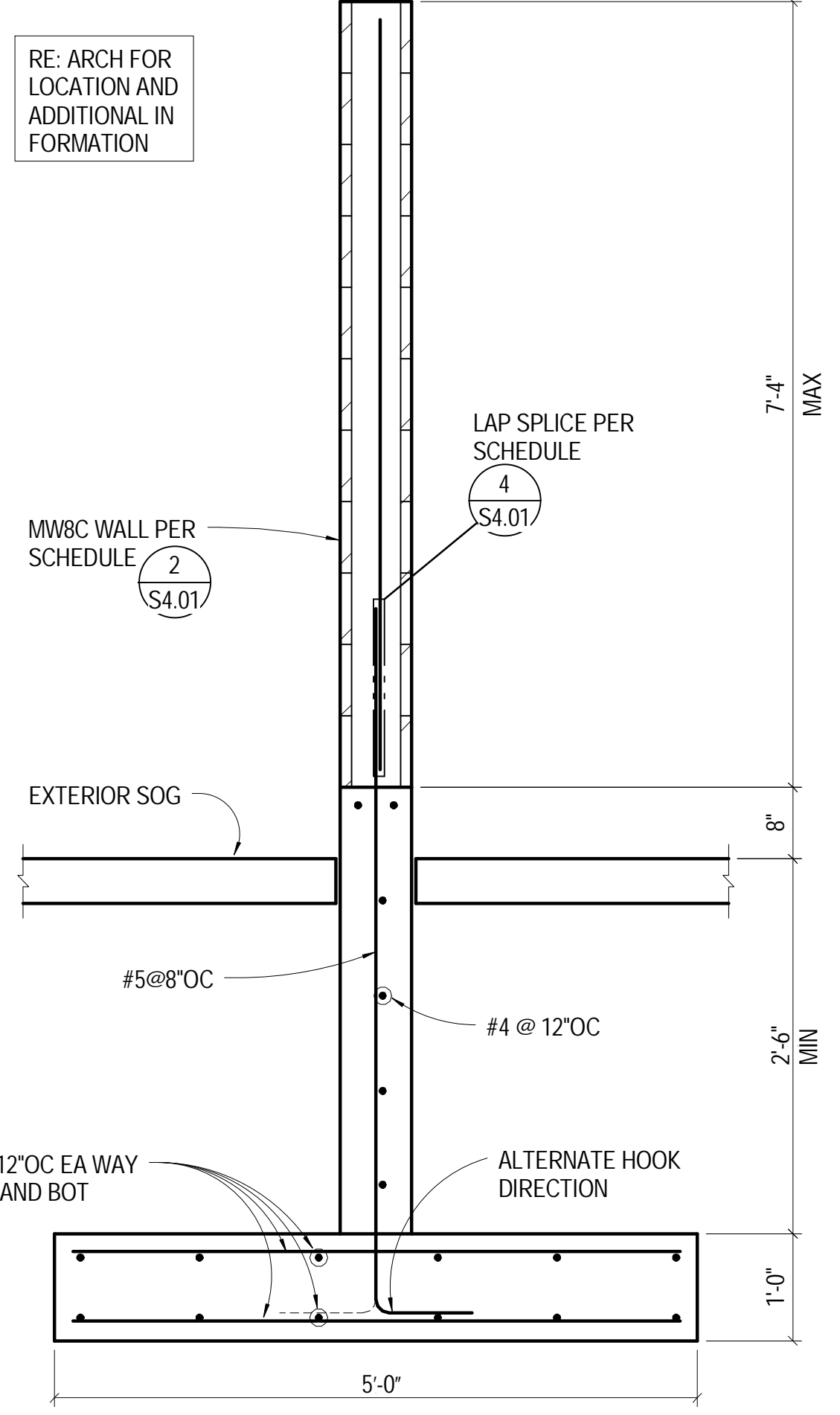
FRUITA COLORADO

M/M Project No.: 21468.S.01

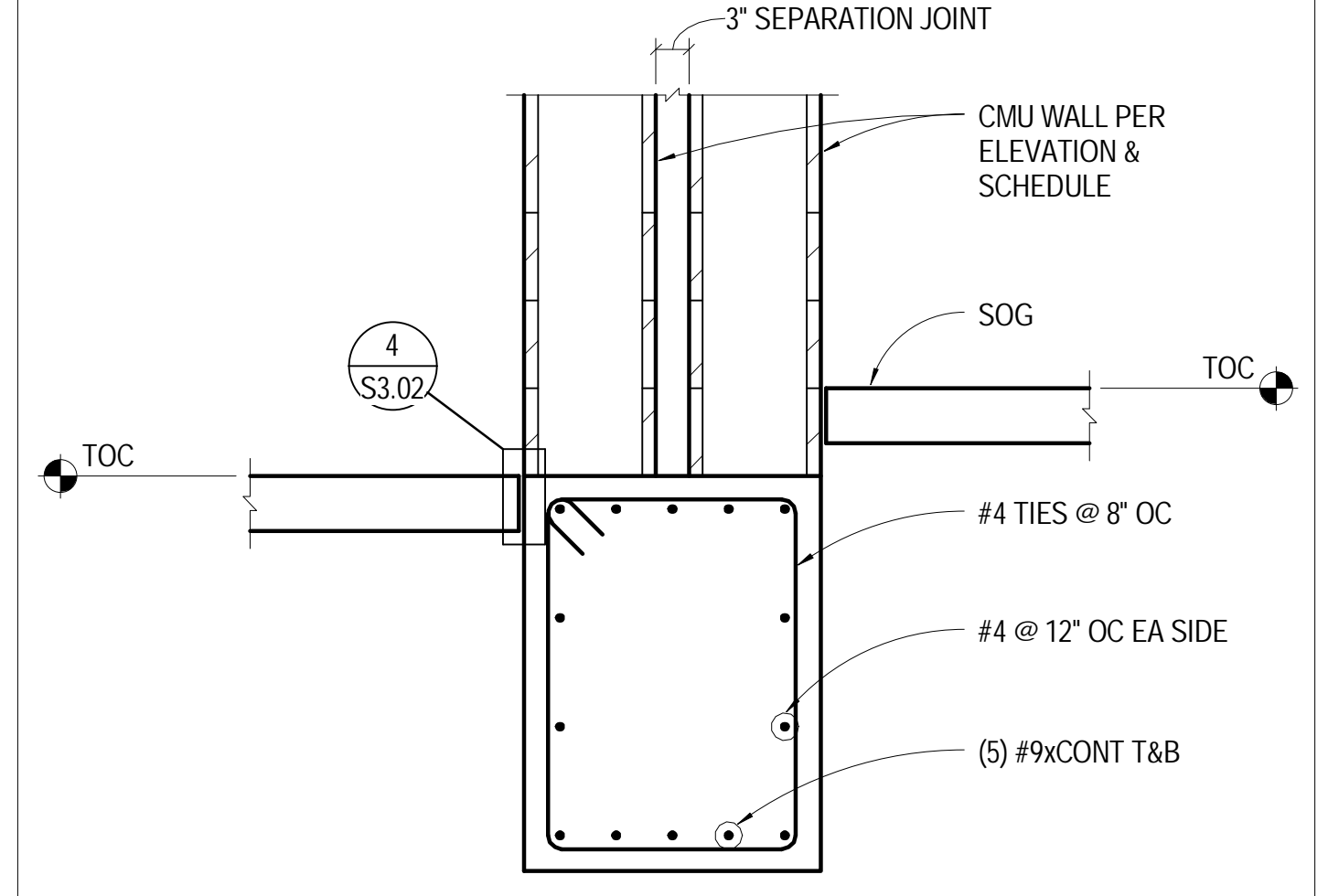
CONCRETE DETAILS

Drawn By: DE, LB
 Checked By: BN, GS

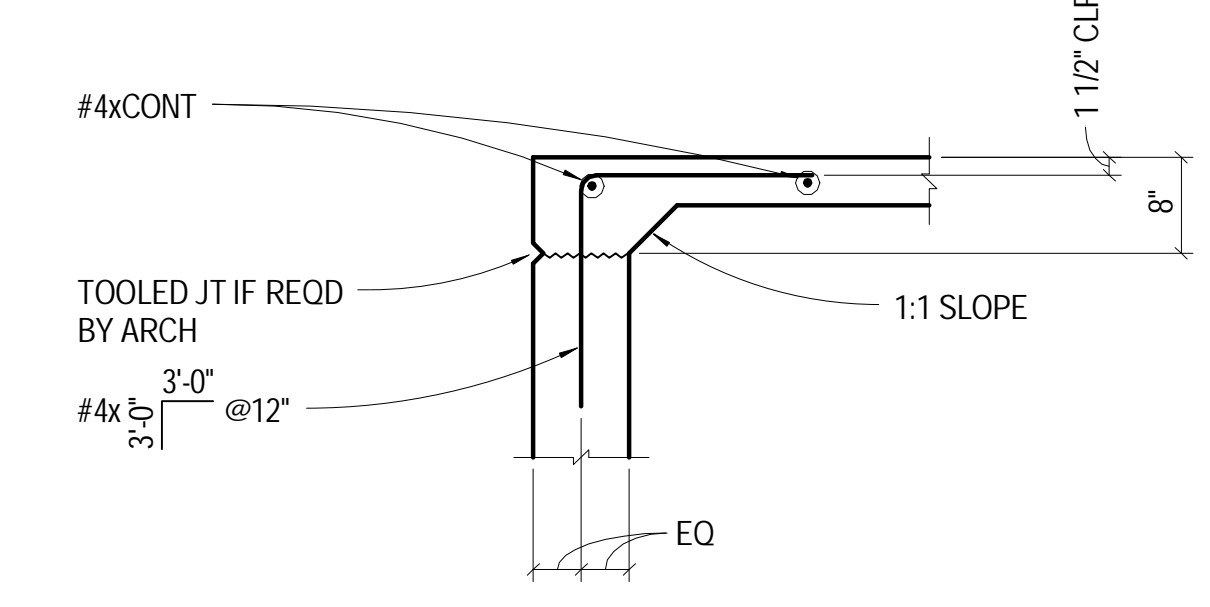
S3.04



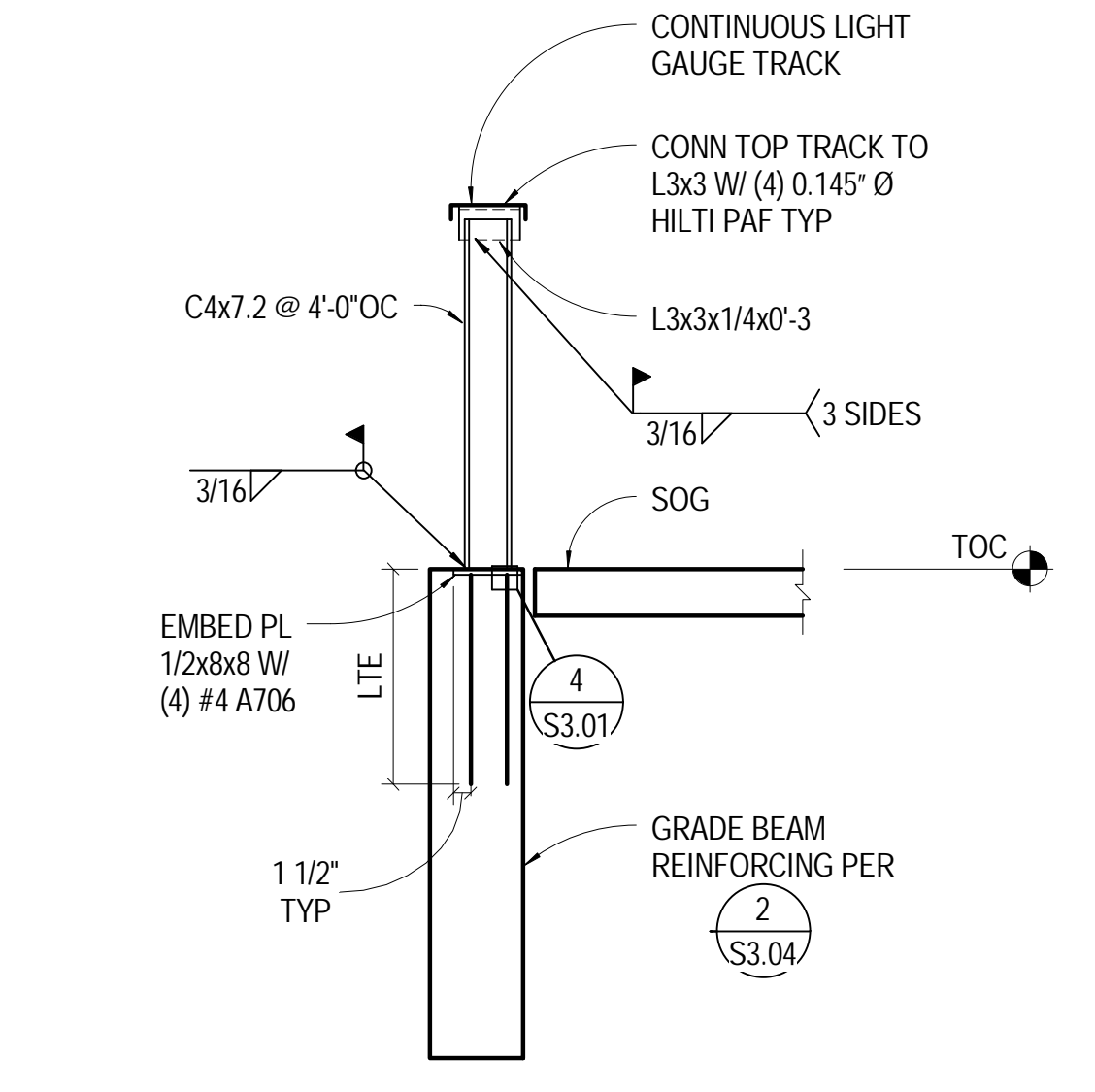
18 3/4" = 1'-0" FOUNDATION AT INTERIOR CMU WALL



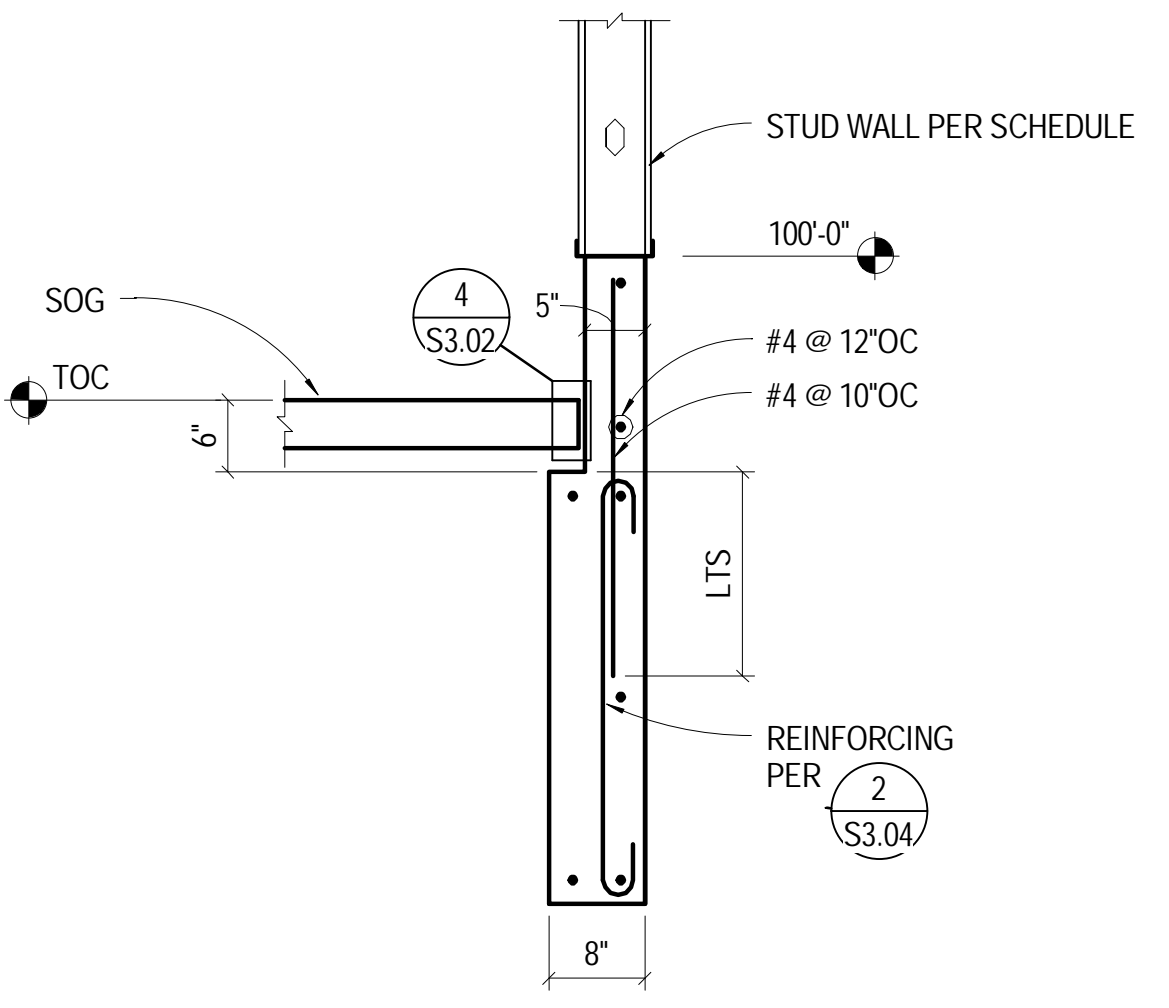
14 3/4" = 1'-0" GRADE BEAM AT DOUBLE WALL



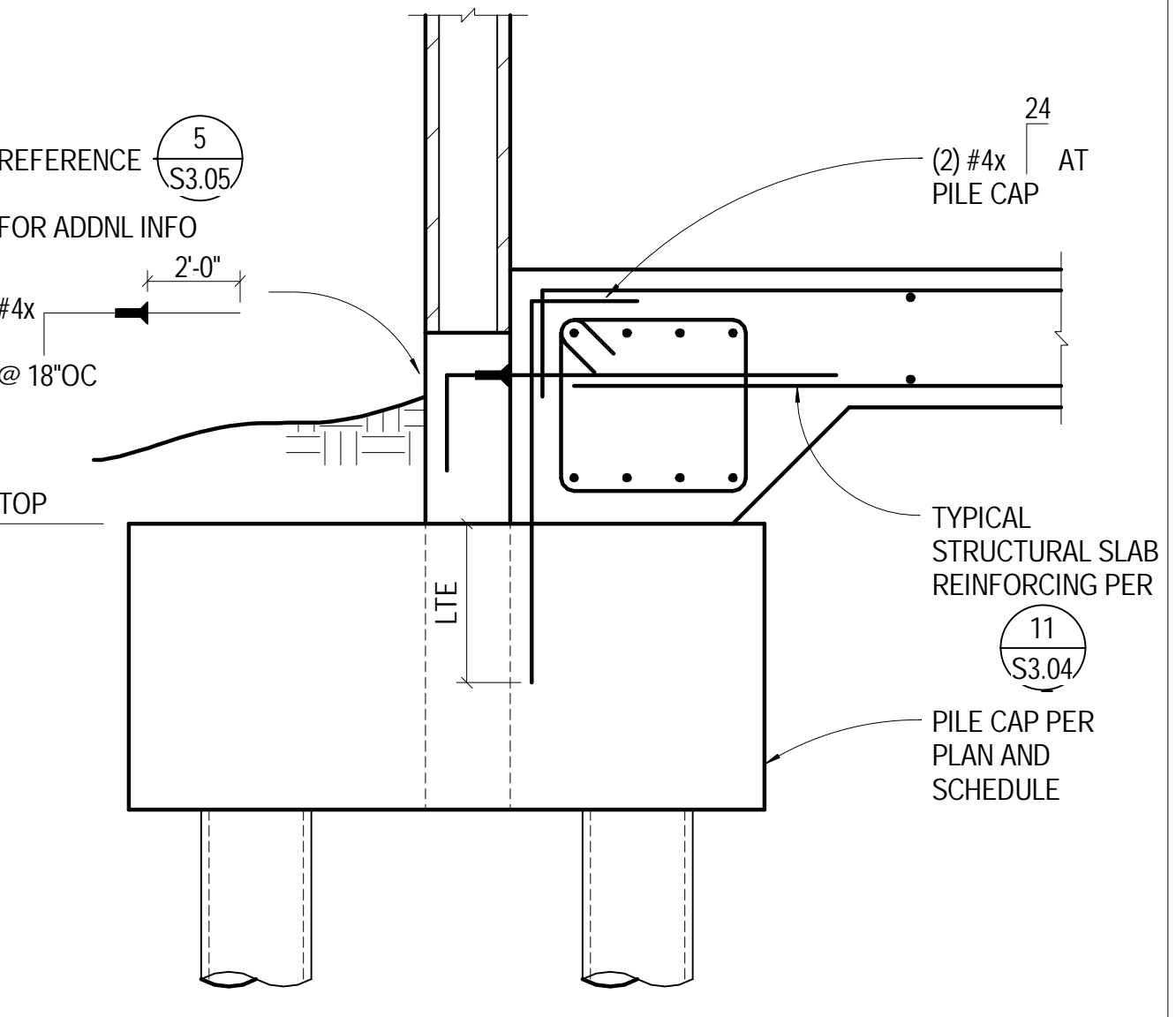
9 3/4" = 1'-0" SOG AT ELEV THRESHOLD



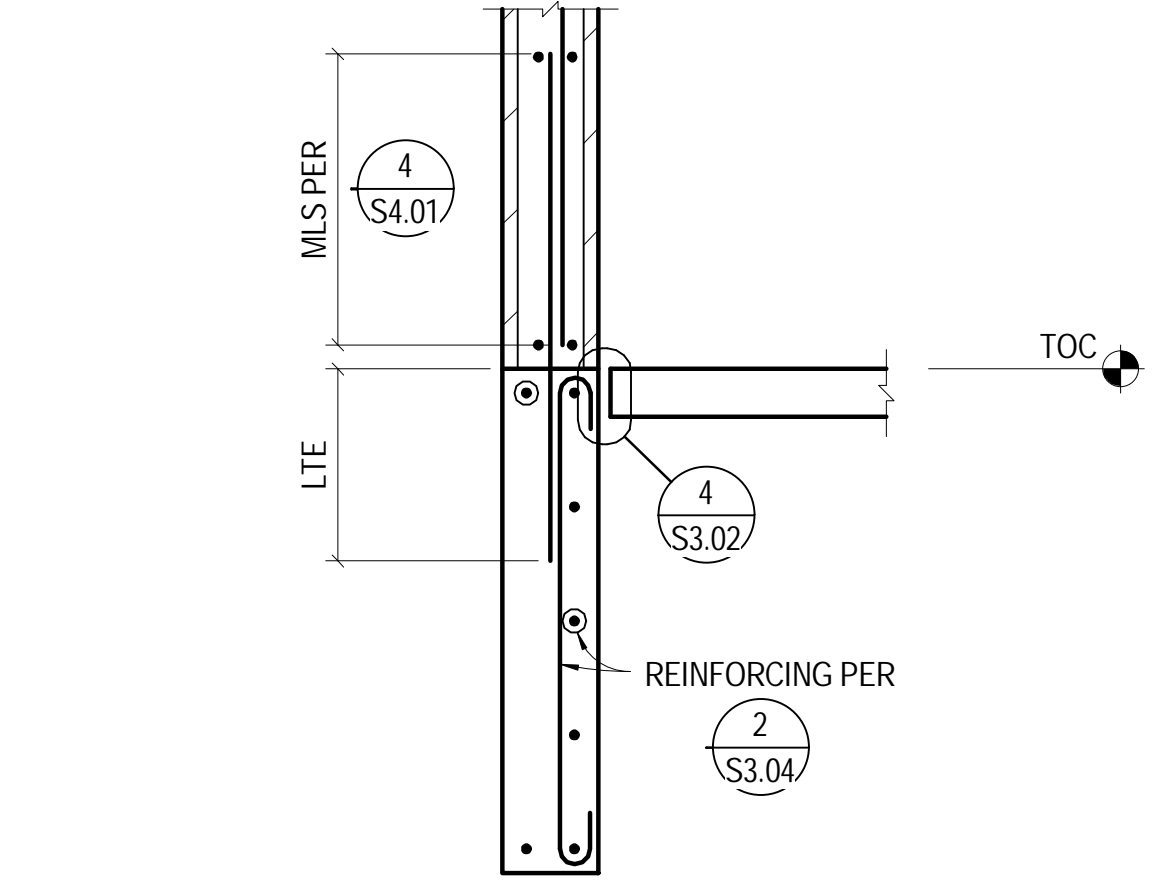
10 3/4" = 1'-0" FOUNDATION AT RIBBON WINDOW SILL



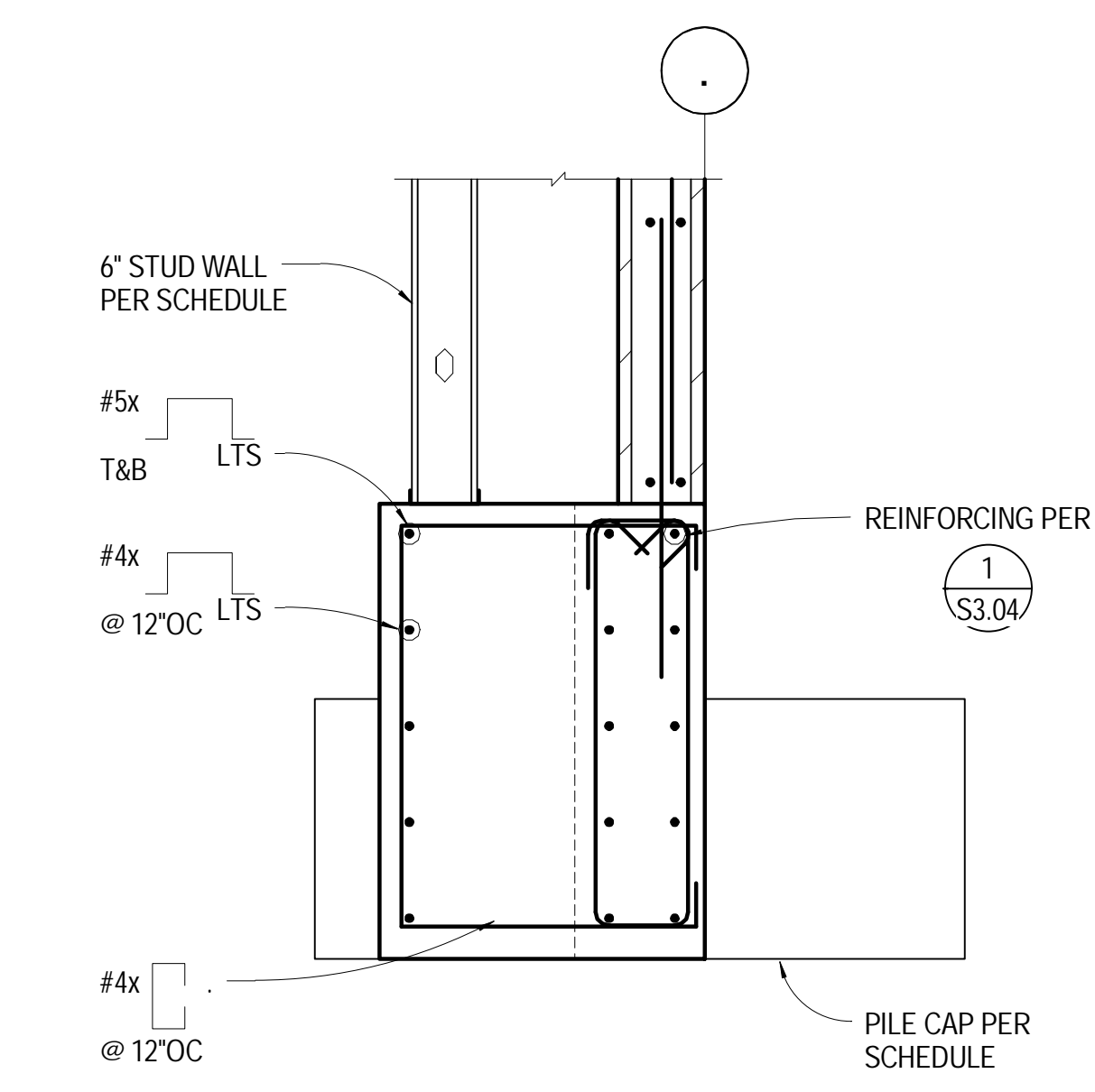
11 3/4" = 1'-0" GRADE BEAM AT RAISED FND



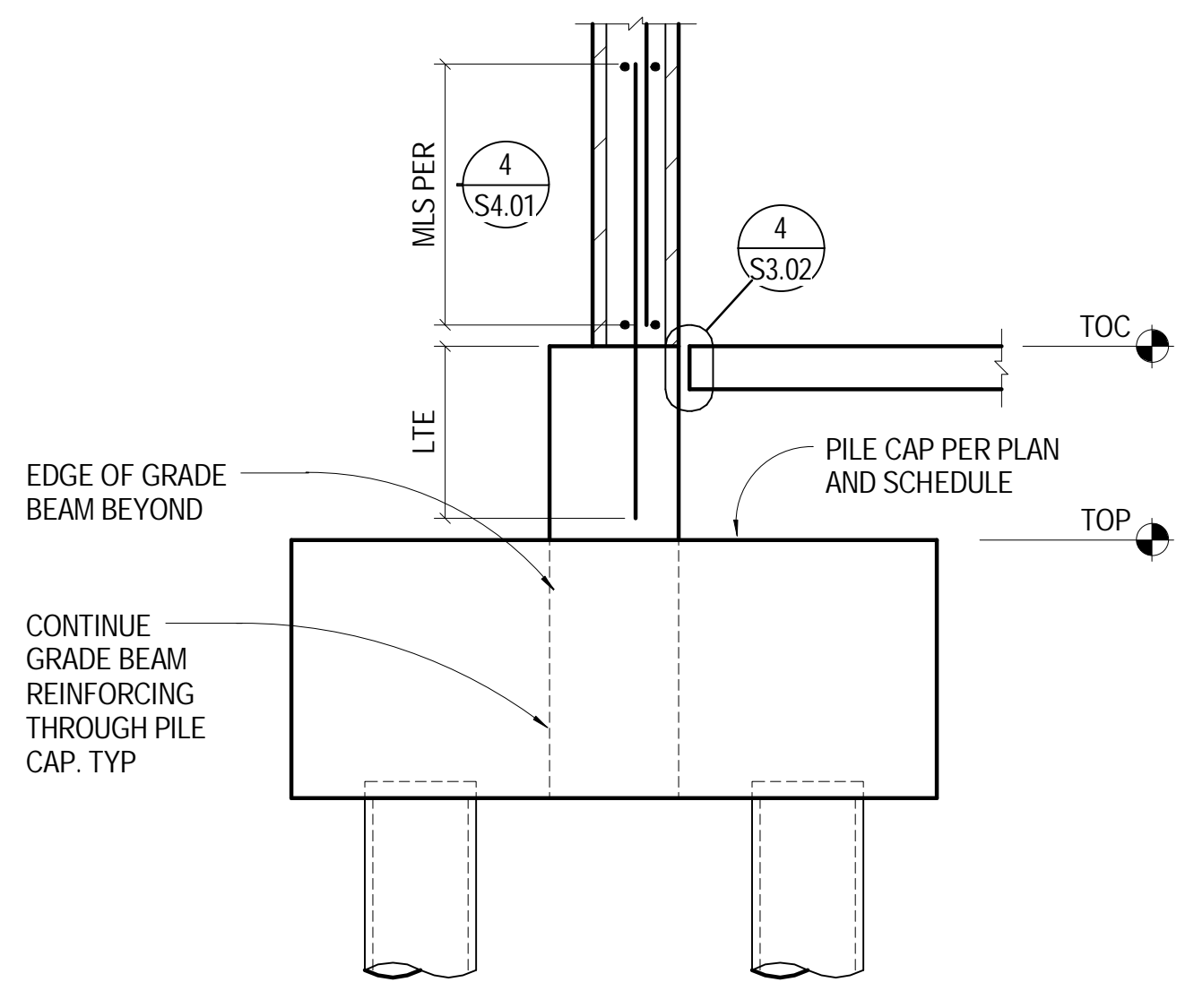
12 3/4" = 1'-0" PILE CAP AT STRUCTURAL SLAB



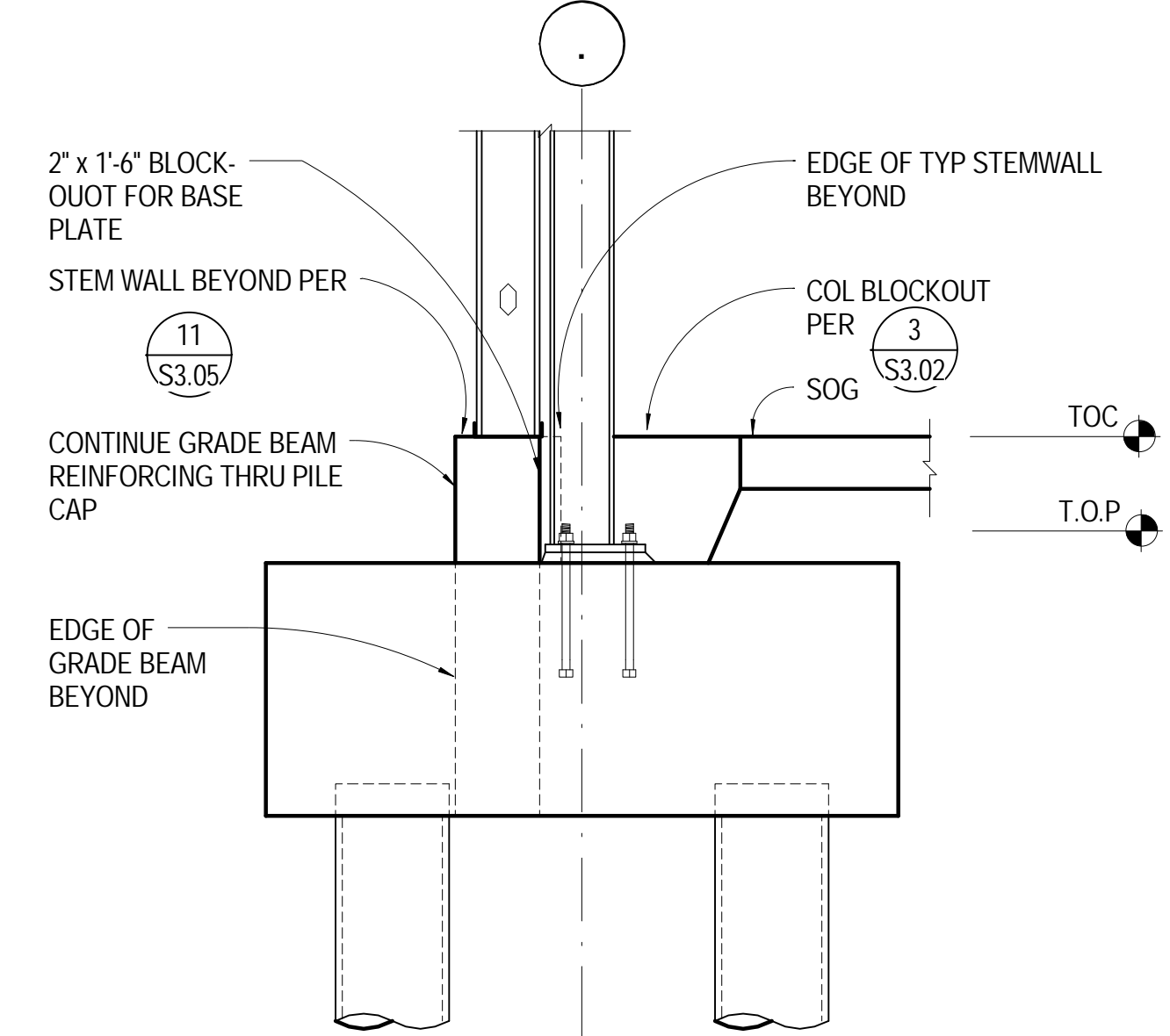
5 3/4" = 1'-0" CMU WALL



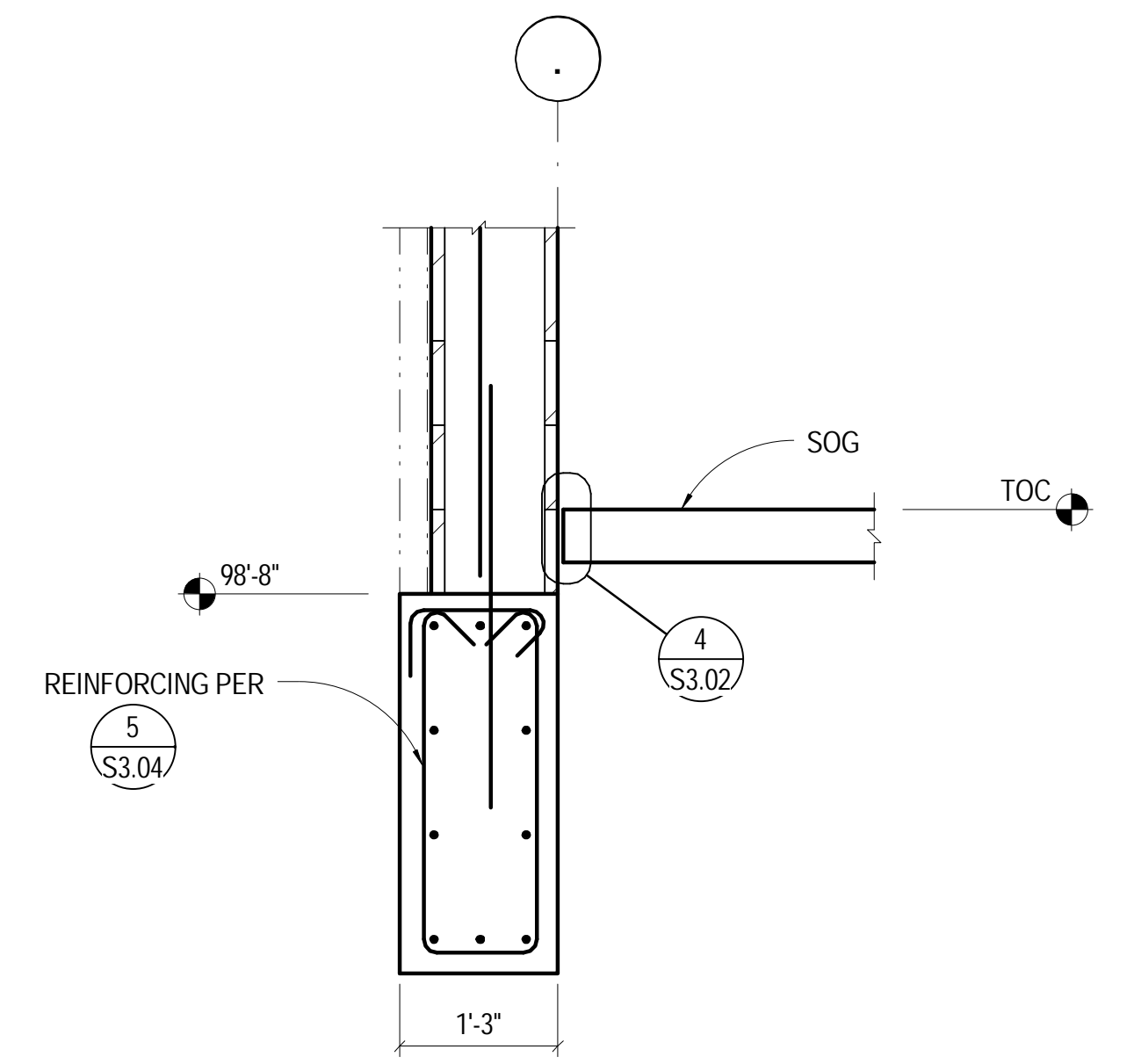
6 3/4" = 1'-0" FOUNDATION AT FIRE PLACE



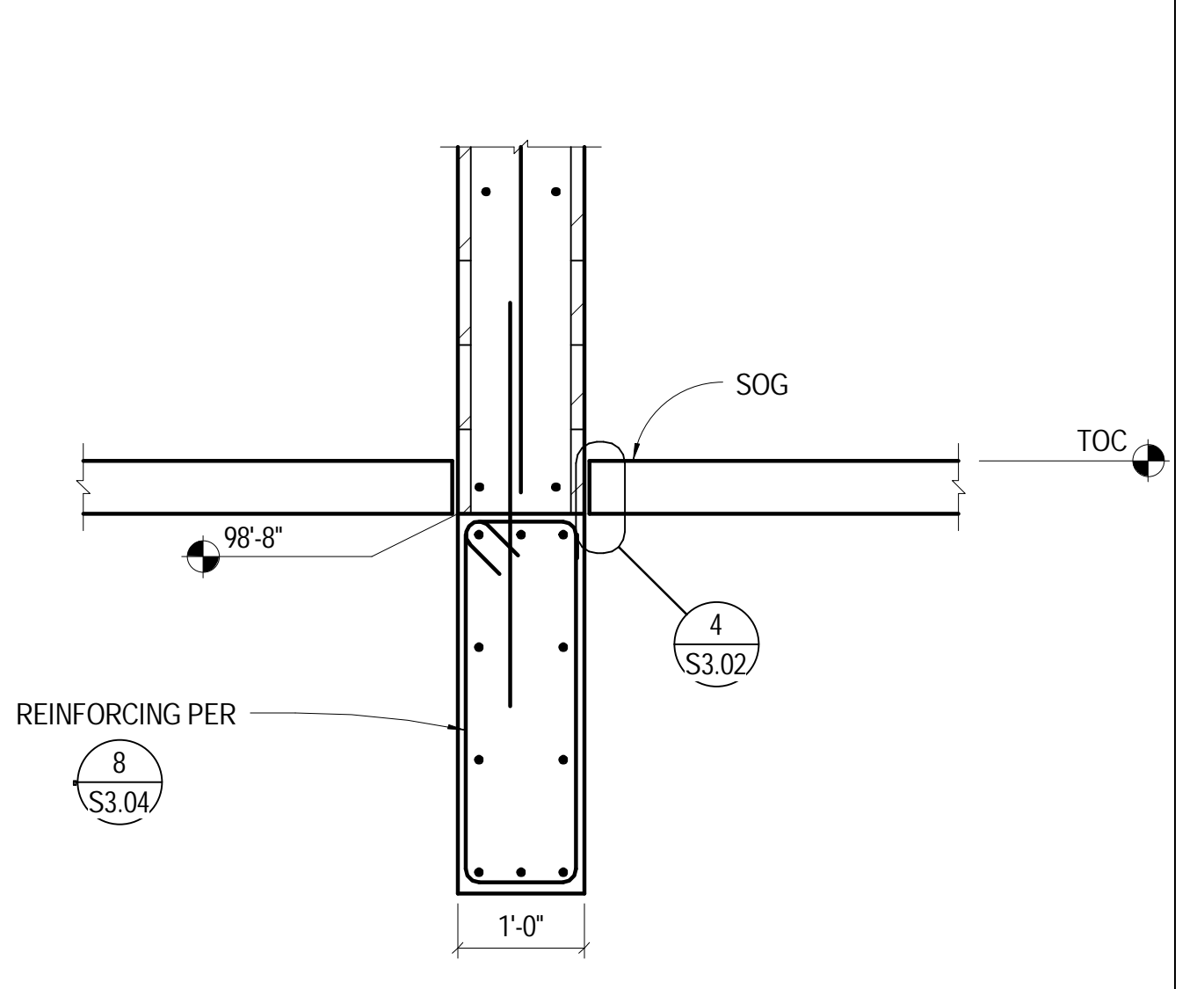
7 3/4" = 1'-0" PILE CAP AT CMU WALL



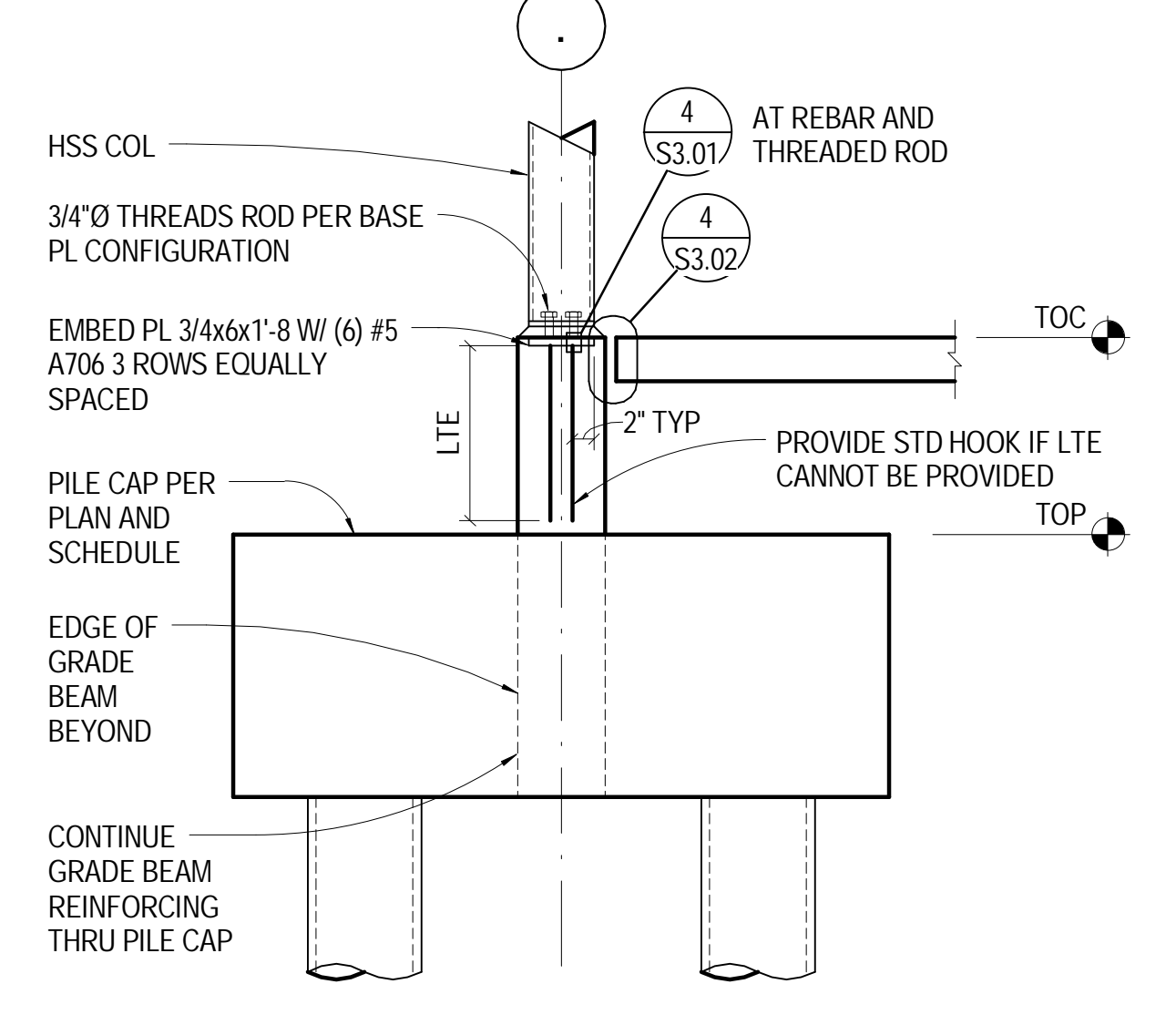
8 3/4" = 1'-0" PILE CAP AT INTERIOR AWNING COL



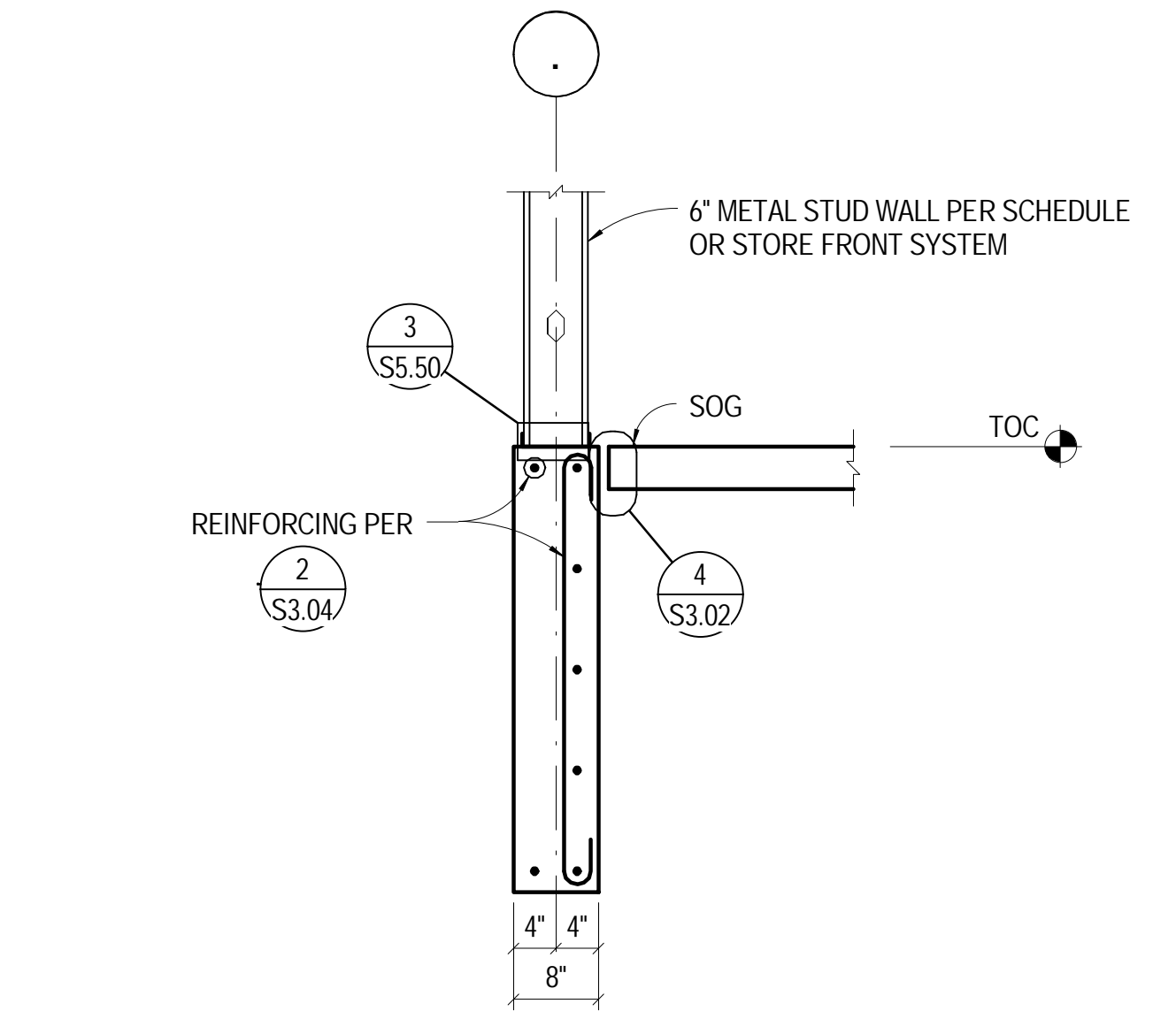
1 3/4" = 1'-0" FOUNDATION AT GYM CMU WALL



2 3/4" = 1'-0" FOUNDATION AT INTERIOR GYM WALL



3 3/4" = 1'-0" COL AT GRID AD



4 3/4" = 1'-0" GRADE BEAM AT GRID AD

All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.

SINK COMBS DETHLEFS
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.398.0201
303.398.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE, P.O. BOX 1161000, LAKEWOOD, COLORADO 80216
303.431.6100
FAX 303.431.6886

KEY PLAN

Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

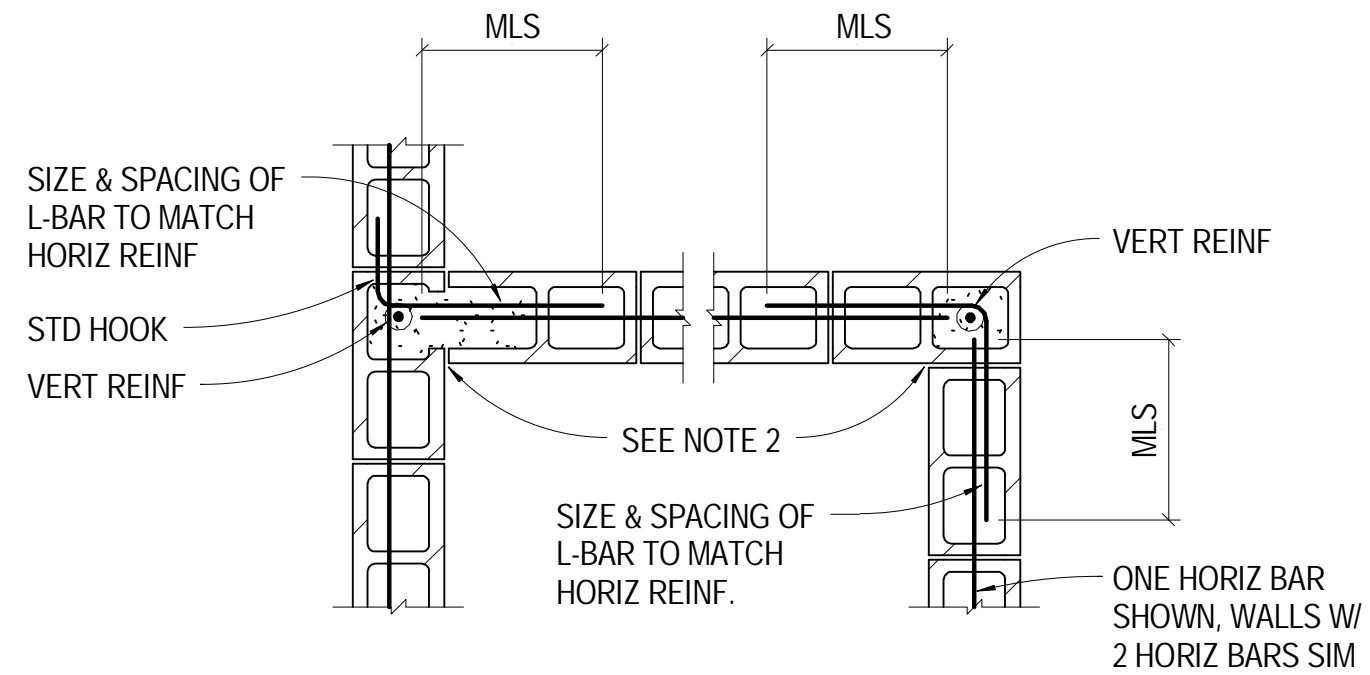
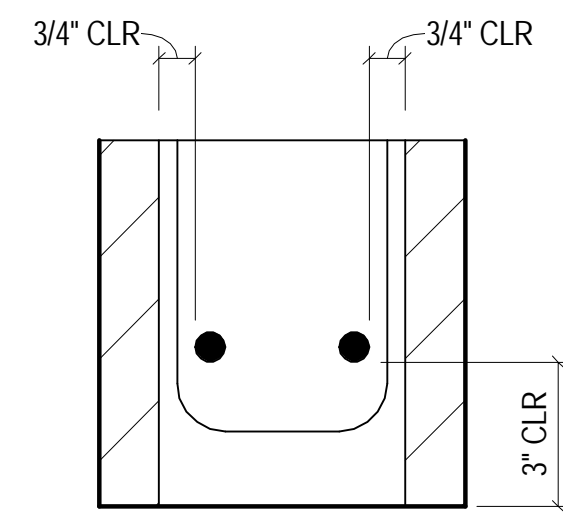
FRUITA COLORADO

M/M Project No.: 21468.S.01

CONCRETE DETAILS

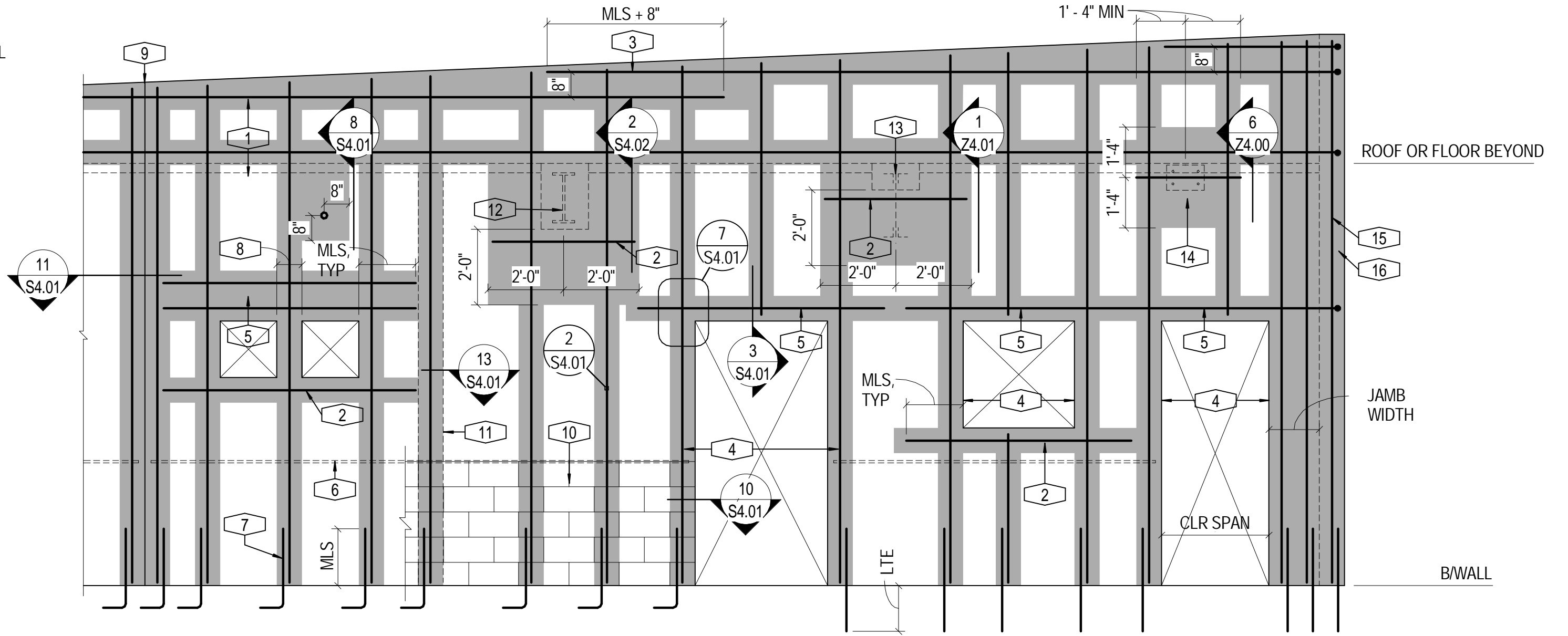
Drawn By: DE, LB
Checked By: BN, GS

S3.05



NOTES:
1. 90 DEG CORNER & INTERSECTION IS SHOWN. WALLS MEETING AT OTHER ANGLES SHALL HAVE (a) BLOCK OVERLAPPING 4" MIN AT ALL HEAD JOINTS OR (b) FACE SHELL BROKEN OPEN AND COMMON CORE GROUTED
2. IF HEAD JOINT ALIGNS OVER THE FULL WALL HEIGHT, BREAK OPEN FACE SHELLS AND GROUT WALLS TOGETHER FULL HEIGHT, TYP AT ALL CORNERS AND INTERSECTIONS

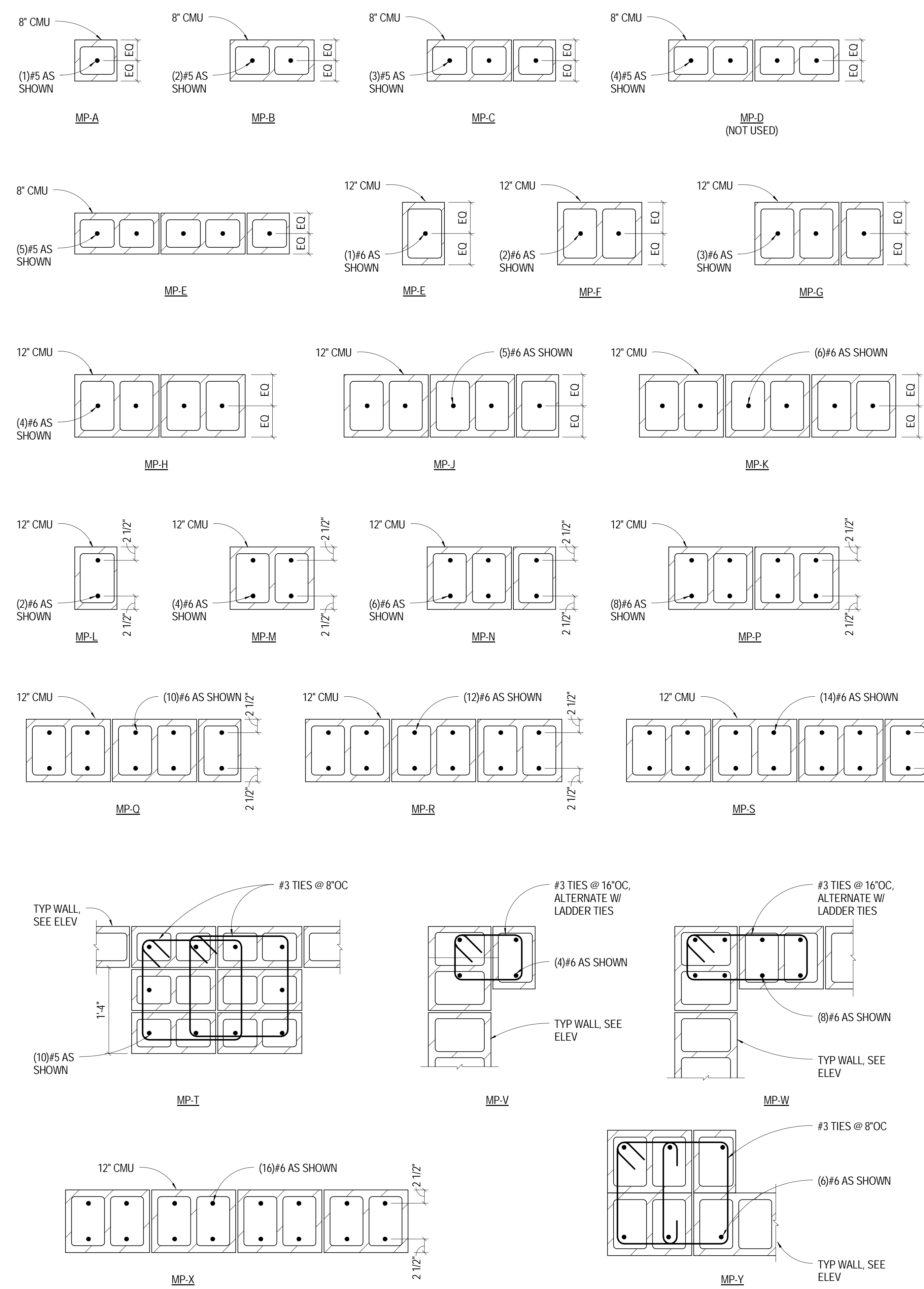
- KEYNOTES:**
- BOND BEAM W/ (2) #5 AT T/PARAPET AND EACH FLOOR AND ROOF LEVEL
 - BOND BEAM W/ (2) #5 AT BOTTOM OF ALL OPNGS
 - STEP BOND BEAM
 - JAMB REIN EACH SIDE OF ALL OPENINGS, FULL HEIGHT
 - MASONRY LINTEL
 - HORIZ JOINT REIN. SEE 'STRUCTURAL WALL SCHEDULE'
 - DOWELS TO MATCH LOCATION OF VERTICAL BARS. HOOK IF STRAIGHT BAR CANNOT BE EMBEDDED INTO CONCRETE LTE
 - AT SERIES OF TWO OR MORE OPNGS, MASONRY LINTEL REIN SHALL BE CONT. IF SPACE BTWN OPNGS IS NOT SUFFICIENT TO ACCOMMODATE 'TYP JAMB REIN' FOR BOTH OPENINGS, USE OVERALL WIDTH OF SERIES OR OPNGS TO DETERMINE LINTEL DEPTH AND REIN
 - CONTROL JOINT (CJ) OR END OF WALL
 - RUNNING BOND PATTERN, TYP, UNO.
 - PERPENDICULAR WALL BEYOND
 - STEEL BEAM BEYOND
 - STEEL JOIST BEYOND
 - EMBED PLATE BEYOND
 - VERT REIN ALL CORNERS
 - GROUT CELLS WITH REINFORCEMENT AND ALL SHADED AREAS



17 NO SCALE TYP STR MAS BOND BEAM

13 NO SCALE TYP STR MASONRY WALL CORNER REIN

9 NO SCALE TYP STRUCTURAL MASONRY WALL ELEV



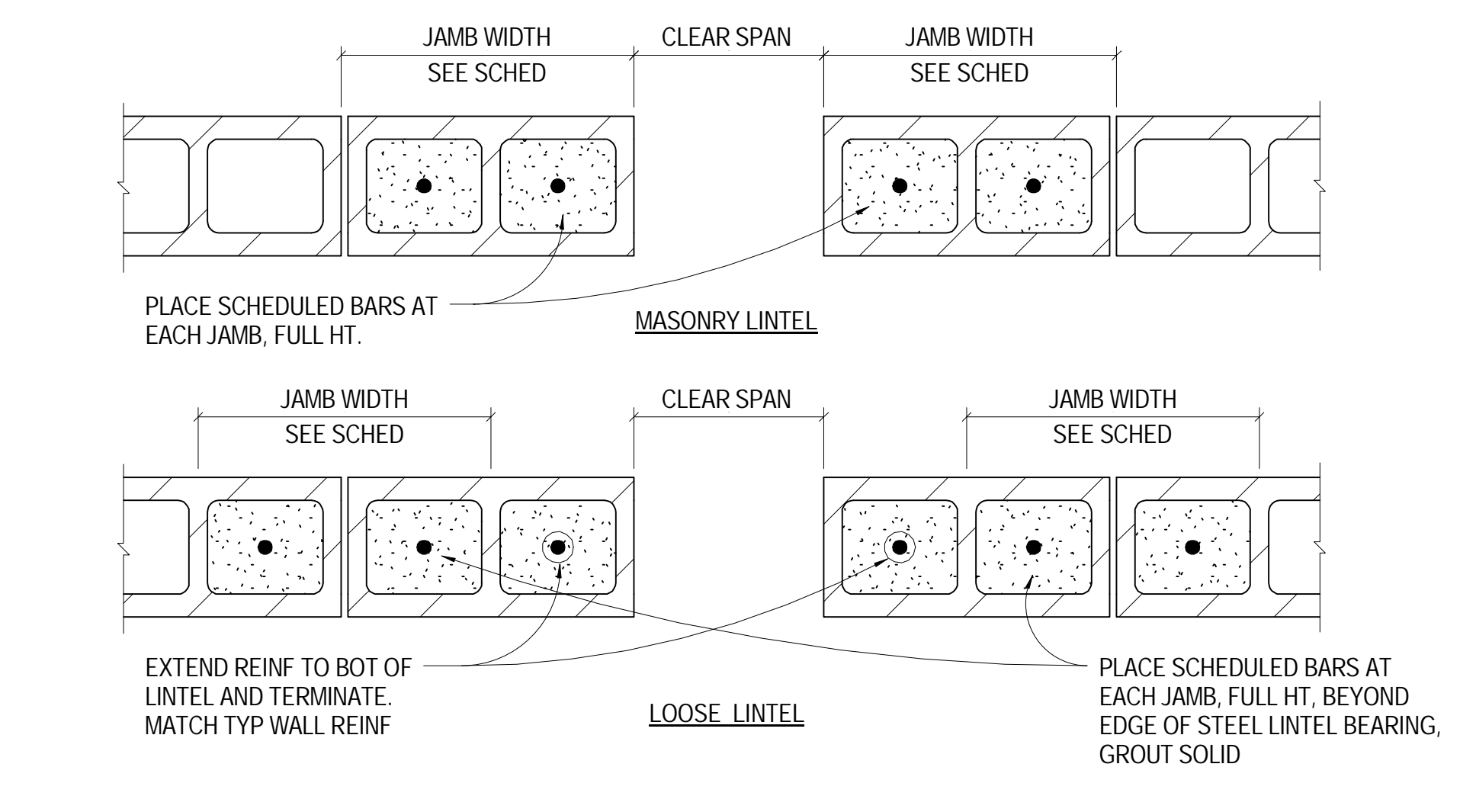
MASONRY PILASTER NOTES:
1. GROUT ALL CELLS SOLID
2. PROVIDE MATCHING DOWELS TO FOUNDATION.

20 1" = 1'-0" MASONRY PILASTERS

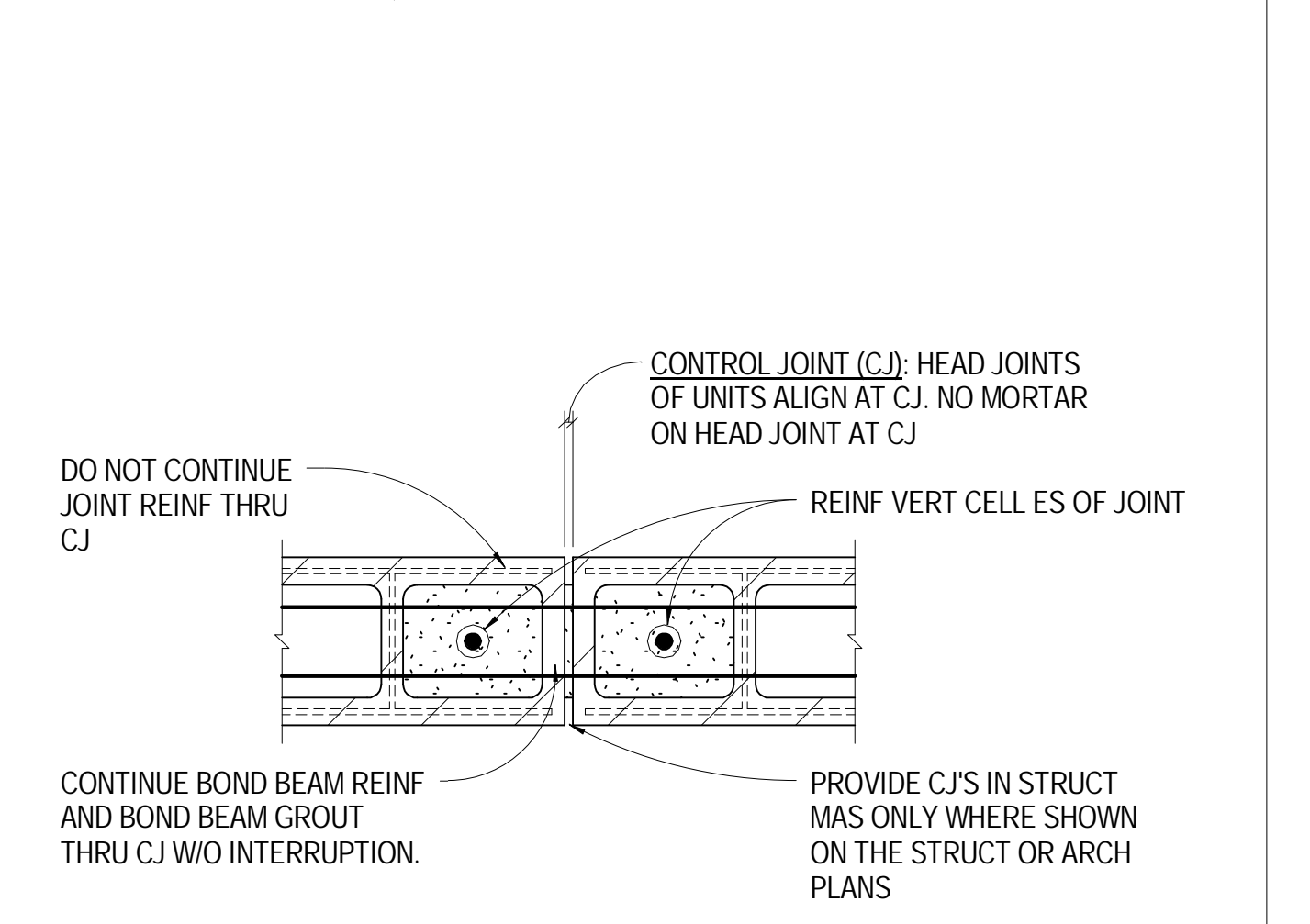
INTERIOR MASONRY WALL JAMB SCHEDULE

LINTEL CLEAR SPAN, L	REINFT FULL HT WALL	JAMB WIDTH
L ≤ 4'-0"	(1) #4	8"
4'-0" < L ≤ 8'-0"	(2) #4	16"
8'-0" < L ≤ 12'-0"	(3) #4	24"

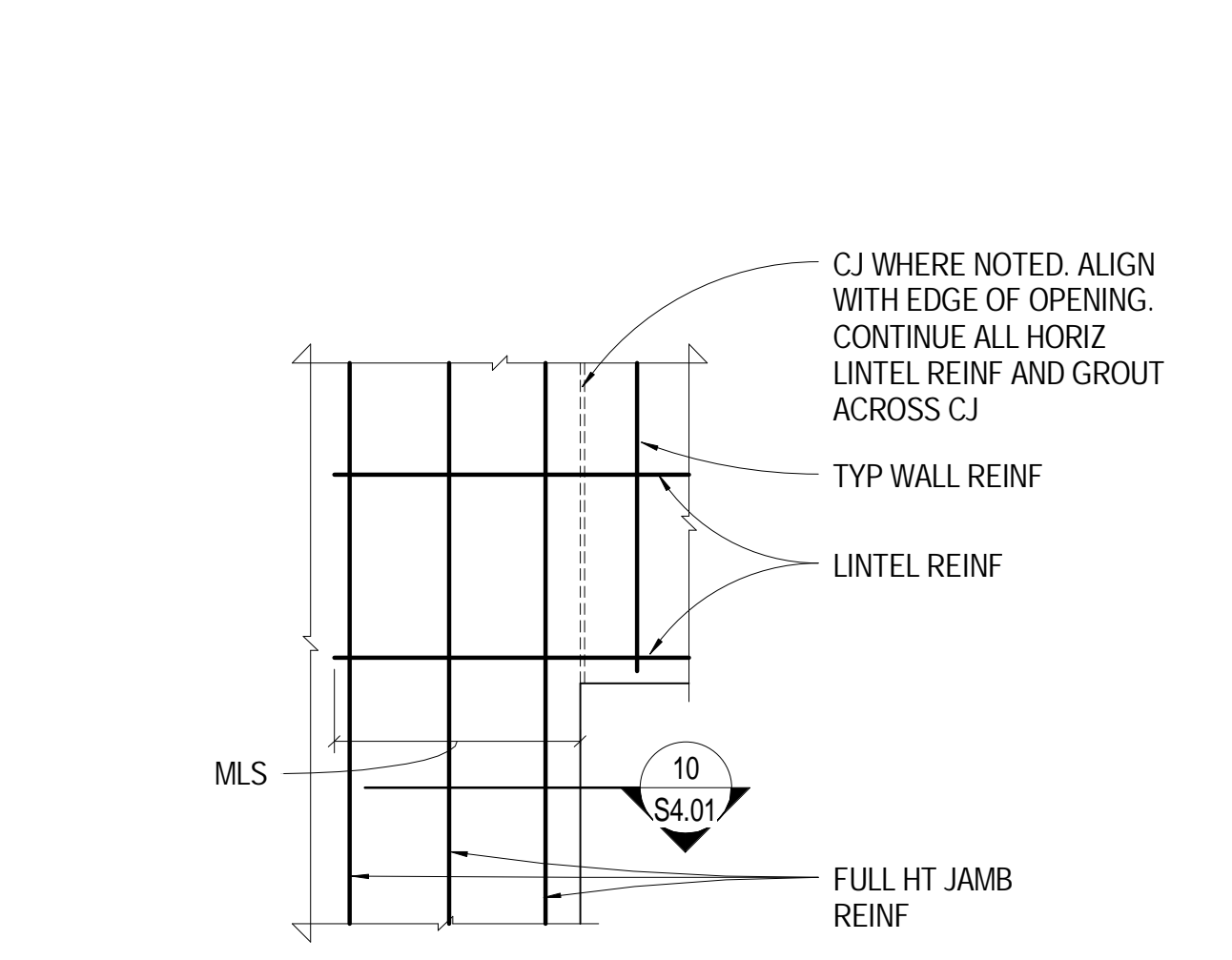
EXTERIOR MASONRY WALL JAMB SCHEDULE
SEE 20/S4.01 AND ELEVATIONS ON S4.1X SERIES SHEETS



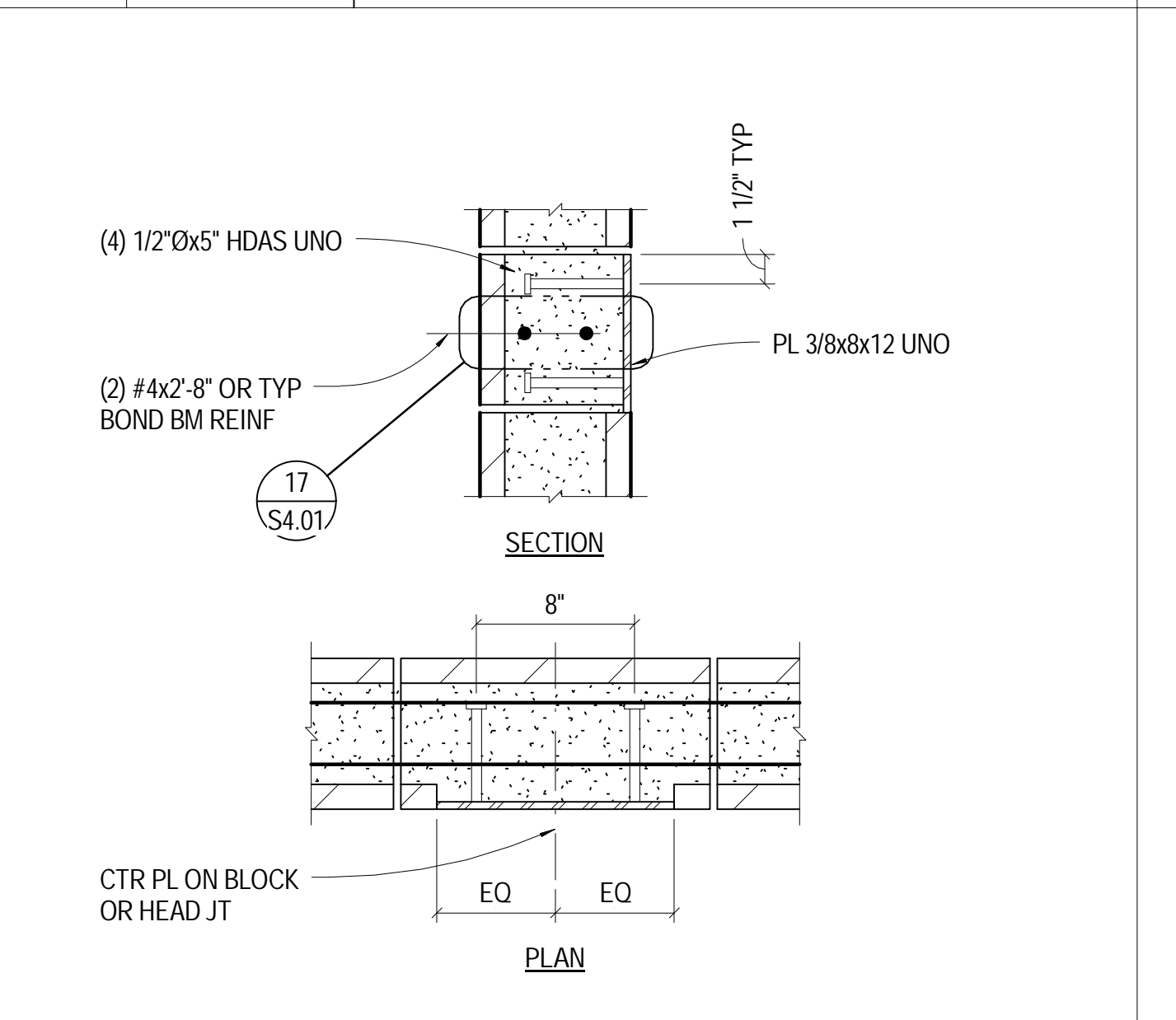
10 NO SCALE TYP STR MAS JAMB SCHEDULES & DETAILS



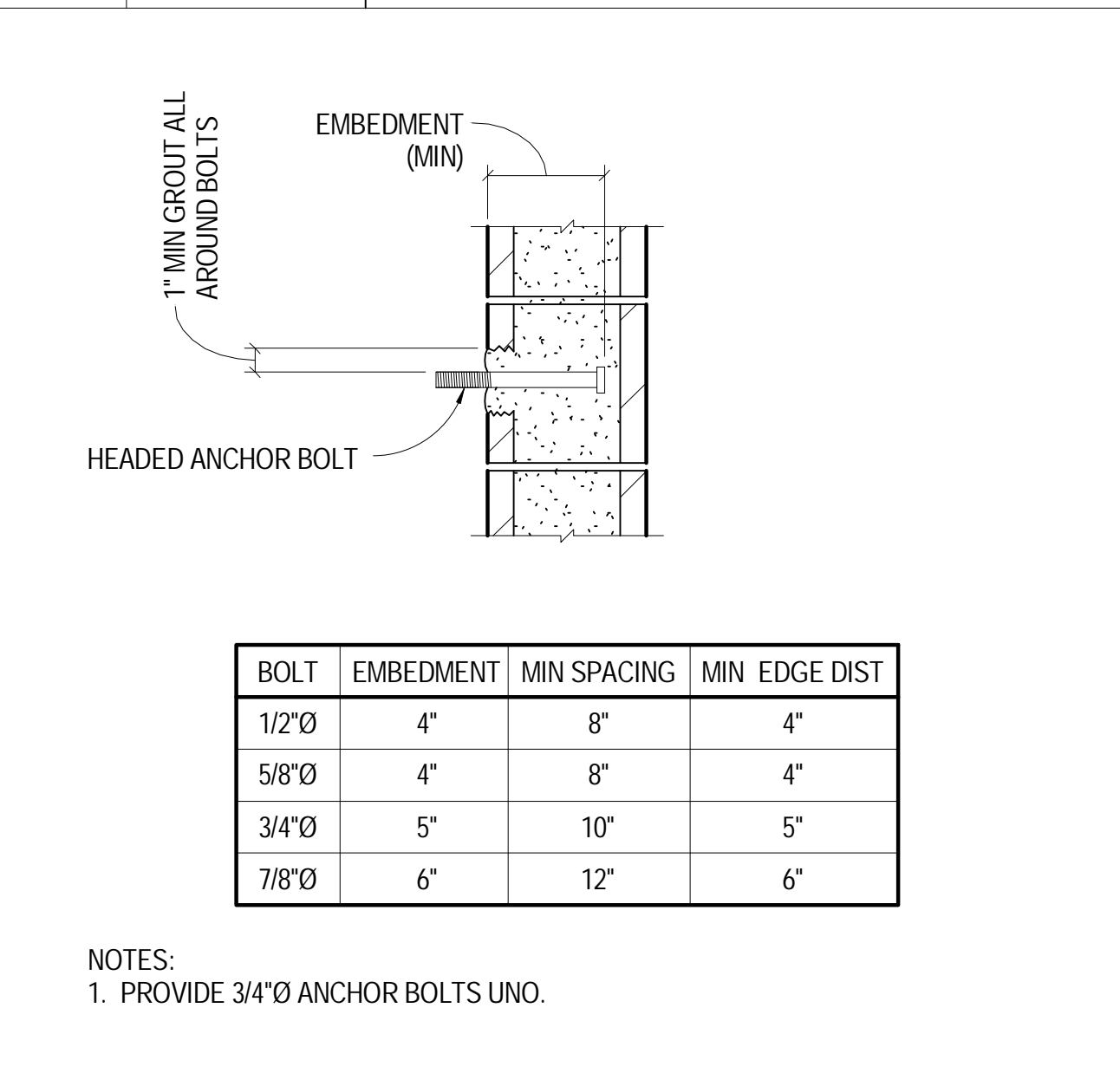
11 NO SCALE TYP STR MAS WALL CONTROL JOINT



7 NO SCALE TYP STR MAS LINTEL SUPPORT



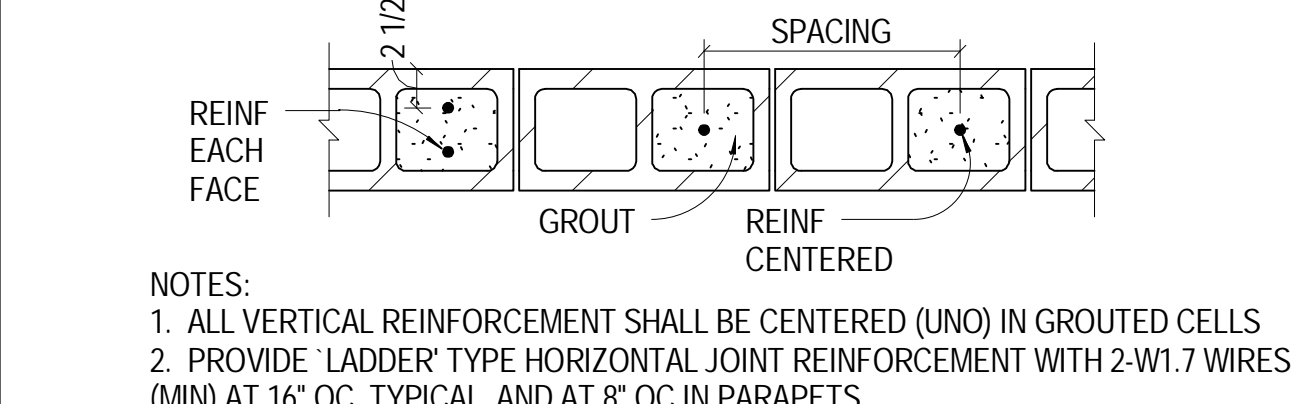
12 NO SCALE EMBED PLATE TO MAS WALL



8 NO SCALE TYP EMBED BOLT IN MAS SCHEDULE

STRUCTURAL MASONRY WALL SCHEDULE

MARK	WALL THK	JOINT	VERT	HORIZ	DOWELS	GROUT SOLID
MWBA	8"	NOTE 2	#5@48"	-	#5@48"	NO
MWBB	8"	NOTE 2	#5@24"	-	#5@24"	NO
MWBC	8"	NOTE 2	#5@8"	-	#5@8"	YES
MW12A	12"	NOTE 2	#6@48"	-	#6@48"	YES
MW12B	12"	NOTE 2	#6@32"	-	#6@32"	YES
MW12C	12"	NOTE 2	#6@16"	-	#6@16"	YES
MW12D	12"	NOTE 2	#6@8" EF	-	#6@8" EF	YES



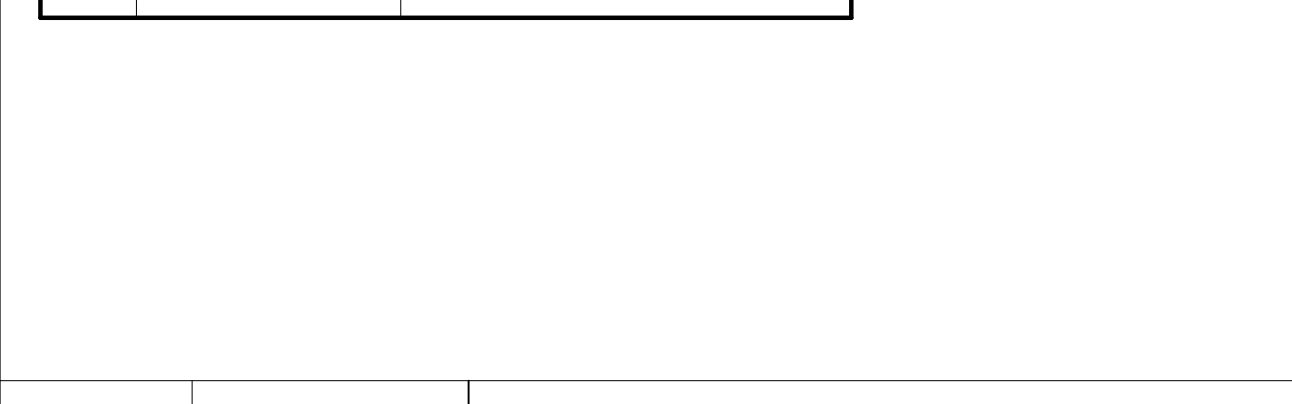
NOTES:
1. ALL VERTICAL REINFORCEMENT SHALL BE CENTERED (UNO) IN GROUTED CELLS
2. PROVIDE 'LADDER' TYPE HORIZONTAL JOINT REINFORCEMENT WITH 2-W1.7 WIRES (MIN) AT 16" OC, TYPICAL, AND AT 8" OC IN PARAPETS.

2 NO SCALE STR MASONRY WALL SCHEDULE

REINFORCED MASONRY LINTEL SCHEDULE

MARK	CLEAR SPAN, L	NOMINAL DEPTH	REINFT
ML1	L ≤ 4'-0"	8"	(2) #5 BOT
ML2	4'-0" < L ≤ 8'-0"	16"	(2) #5 T&B
ML3	8'-0" < L ≤ 10'-0"	24"	(2) #6 T&B
ML4	10'-0" < L ≤ 12'-0"	32"	(2) #6 T&B
ML5	12'-0" < L ≤ 14'-0"	40"	(2) #6 T&B
ML6	14'-0" < L ≤ 16'-0"	48"	(4) #6 T&B (2 LAYERS)
ML7	56"		(2) #6 @ 8" OC VERT
ML8	64"		(2) #6 @ 8" OC VERT

L > 16'-0" REQUEST DESIGN FROM ENGINEER



3 NO SCALE TYP STR MAS LINTEL

MASONRY LAP SPLICE (MLS) & DEVELOPMENT LENGTH SCHEDULE

BAR SIZE	REINFT CENTERED (IN) 8", 12" MASONRY		REINFORCEMENT AT FACE (IN)
	ENGLISH	METRIC	
#3	#10	15	15
#4	#13	20	23
#5	#16	25	36
#6	#19	40	54
#7	#22	55	63
#8	#25	72	72

NOTES:
1. SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPlicing DIFFERENT SIZED BARS
2. LAP LENGTHS SPECIFICALLY DETAILED ON DRAWINGS SHALL GOVERN INSTEAD OF SCHEDULED LAP LENGTHS
3. IF REINFORCING IS SPECIFIED AS EPOXY COATED, INCREASE LENGTHS BY 50%
4. MECHANICAL COUPLERS MAY BE USED IN LIEU OF ANY LAP LENGTH SHOWN
5. WHEN LOW LIFT GROUTING IS USED, AND THE LAP LENGTH EXCEEDS THE GROUT LIFT HEIGHT (NOTED BY *), A MECHANICAL COUPLER IS REQUIRED IN LIEU OF LAPPED REINFT.

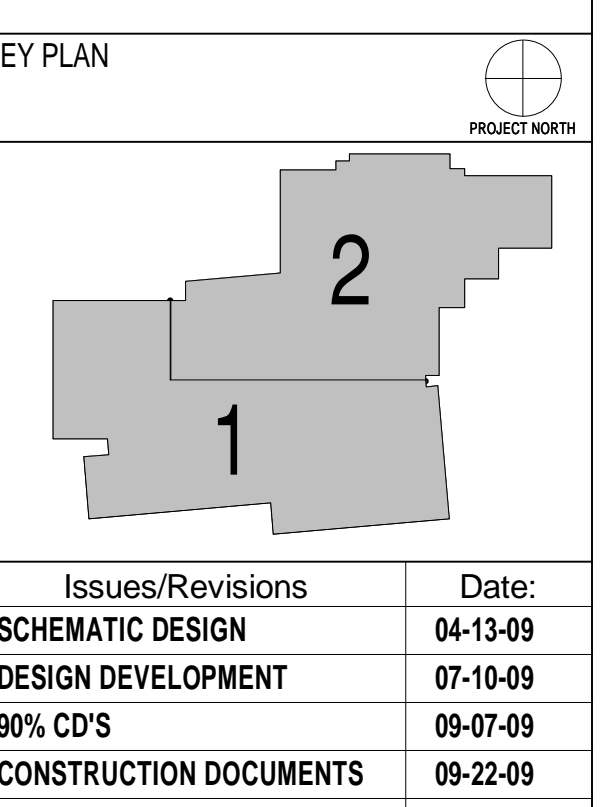
4 3/8" = 1'-0" MASONRY STRENGTH DESIGN LAP SPLICE SCHEDULE - 1800

PROFESSIONAL ENGINEER
26118
09-22-09

SINK COMBS DETHLEFS
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.368.0201 FAX: 303.368.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE, BOX 185000, LAKEWOOD, COLORADO 80218
303.431.6100 FAX: 303.431.6886



Issues/Revisions

Issue/Revision	Date
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

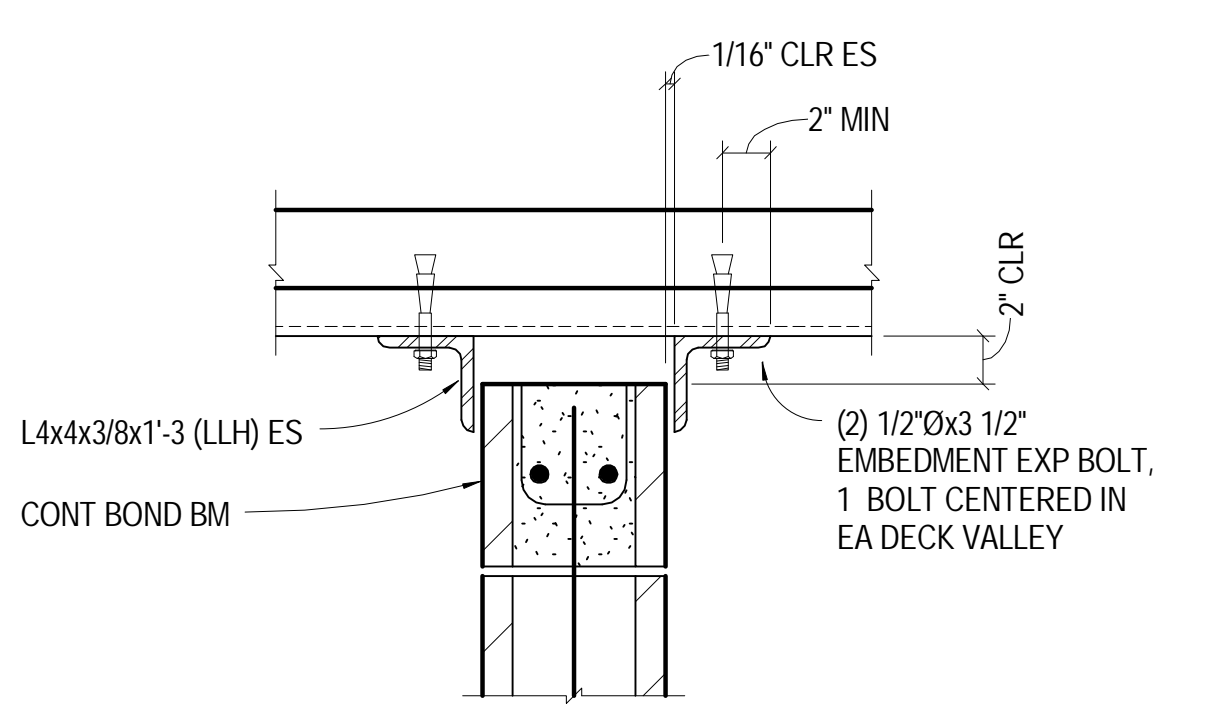
FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

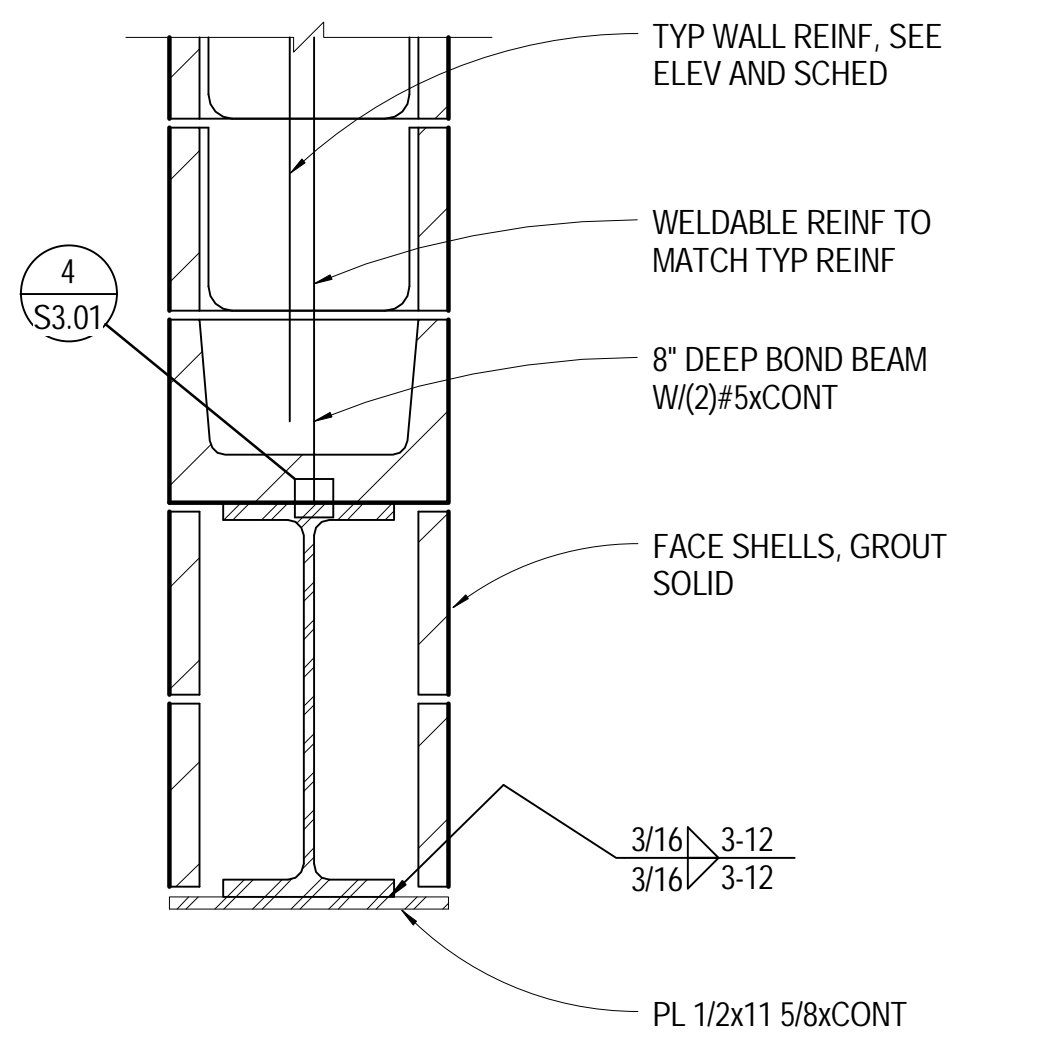
M/M Project No.: 21468.S.01

MASONRY DETAILS

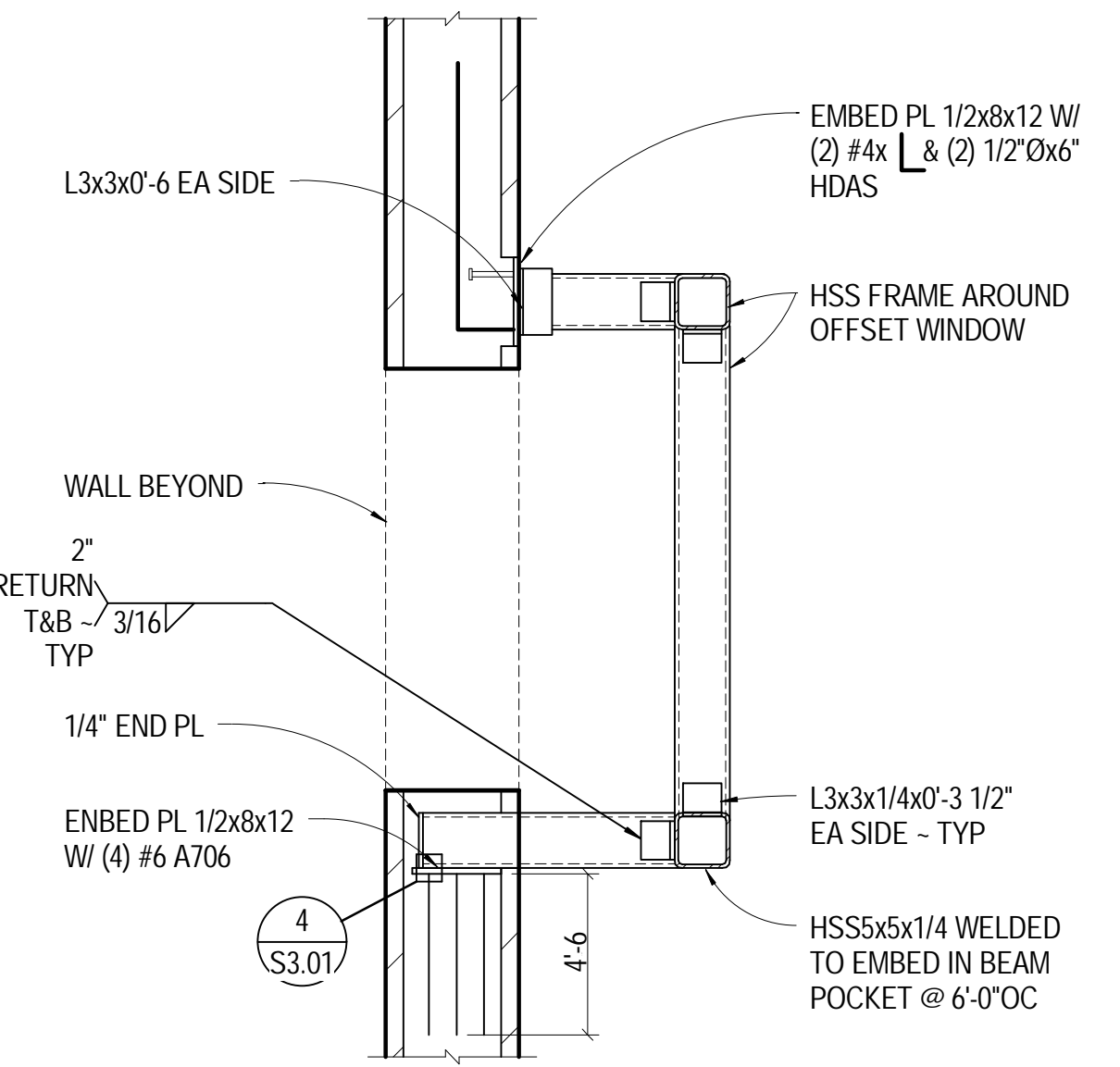
Drawn By: DE, LB
Checked By: BN, GS



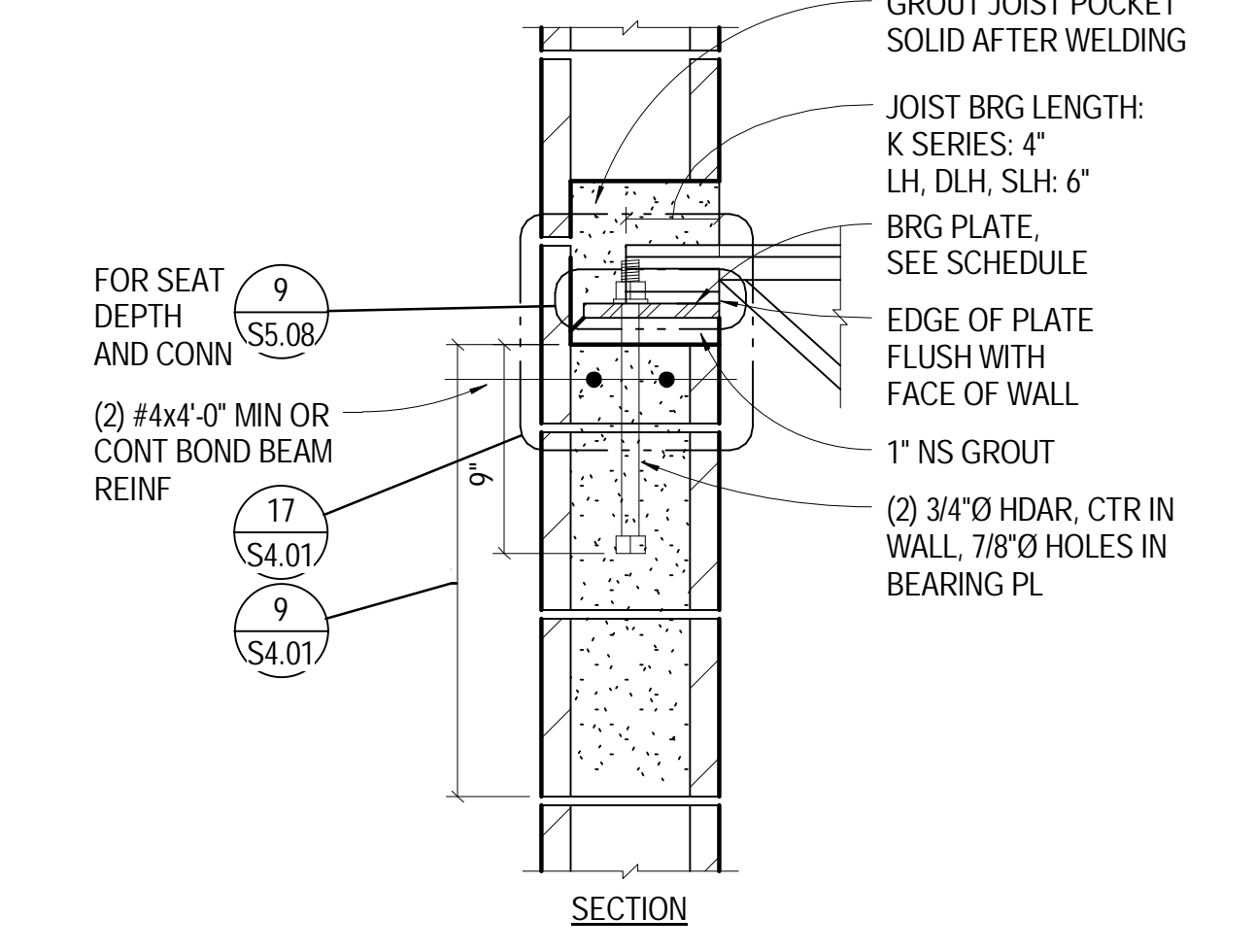
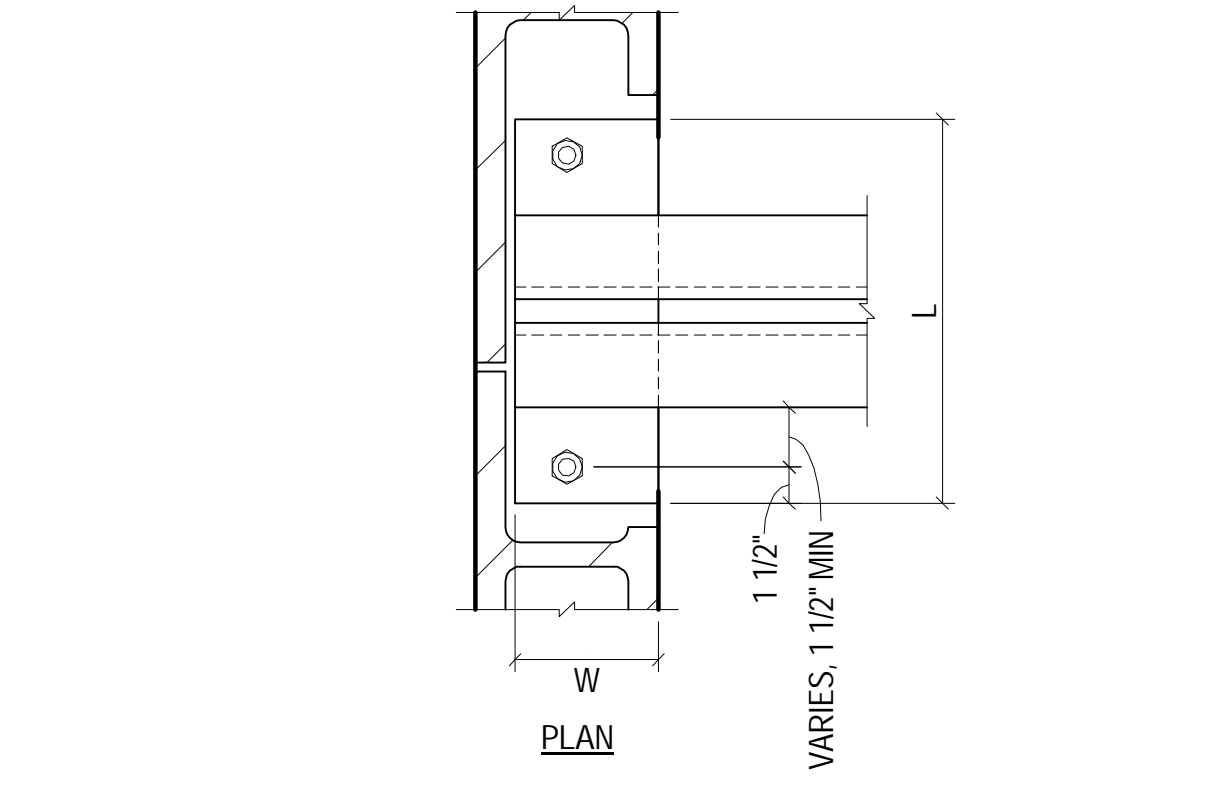
17 NO SCALE TYP MAS PARTITION SUPPORT - PERP TO DECK



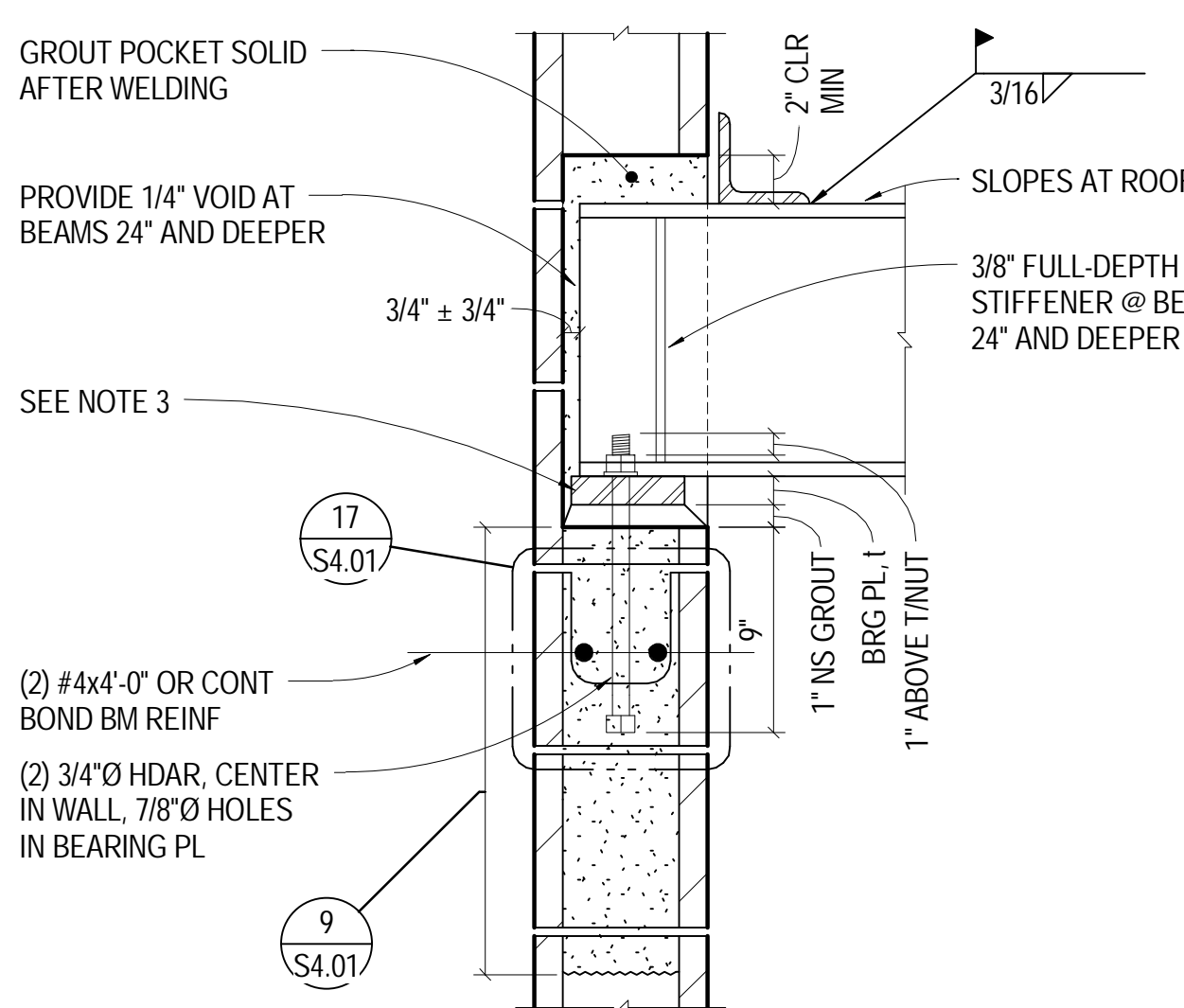
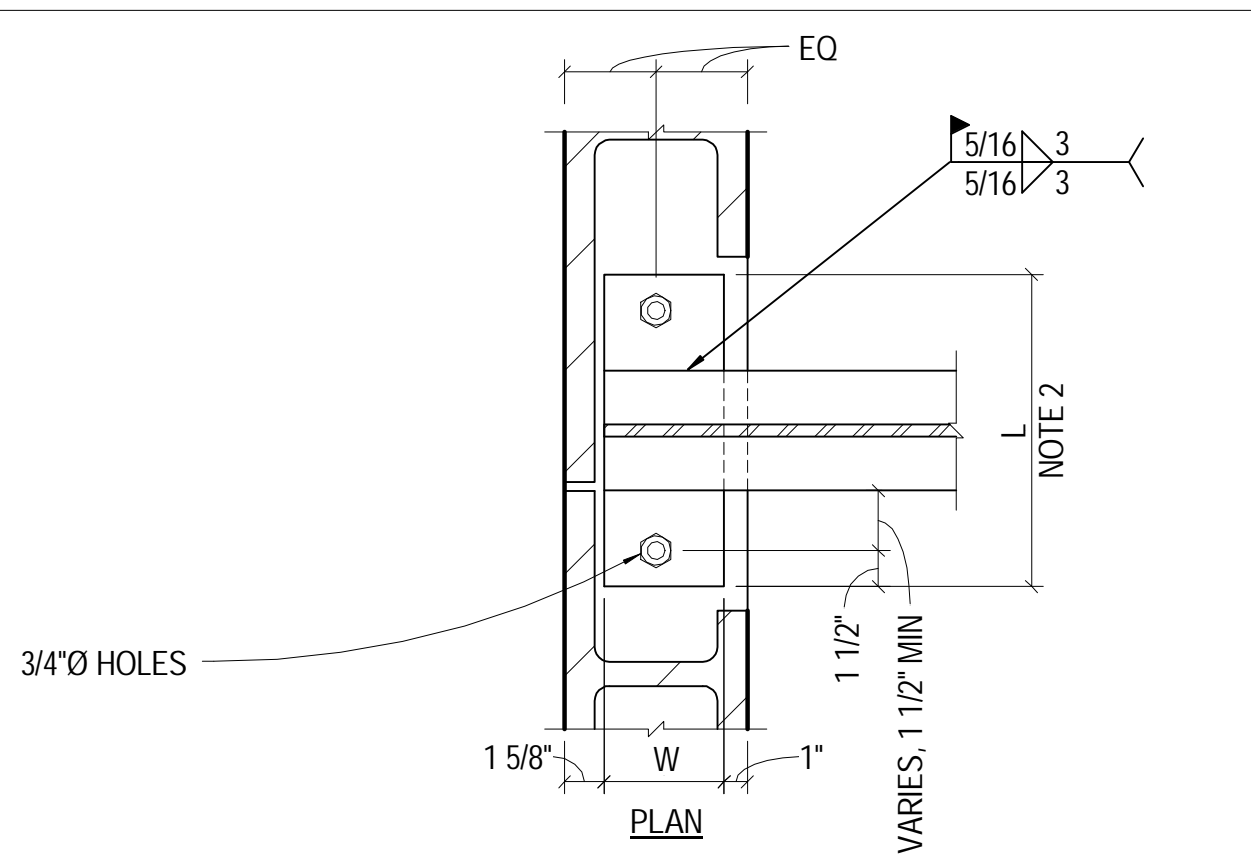
13 1 1/2" = 1'-0" GYM WALL STEEL - TYP



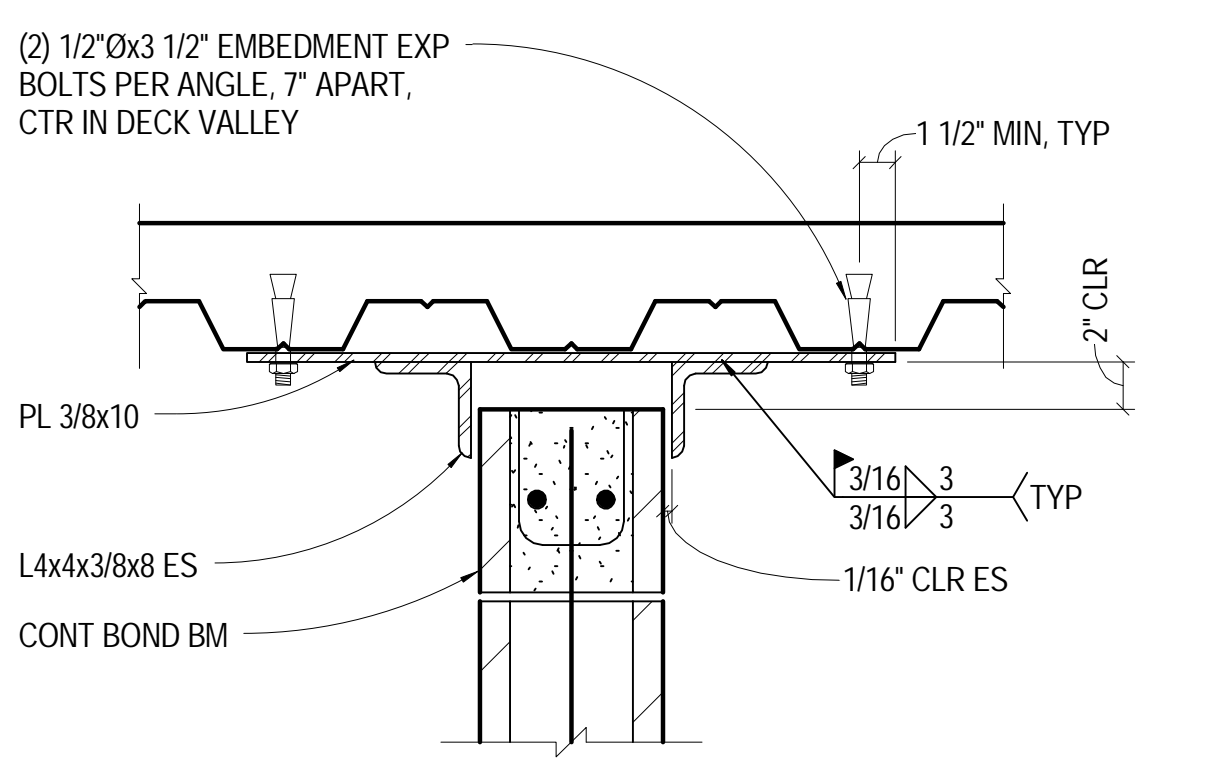
9 3/4" = 1'-0" WINDOW BUMP OUT FRAMING



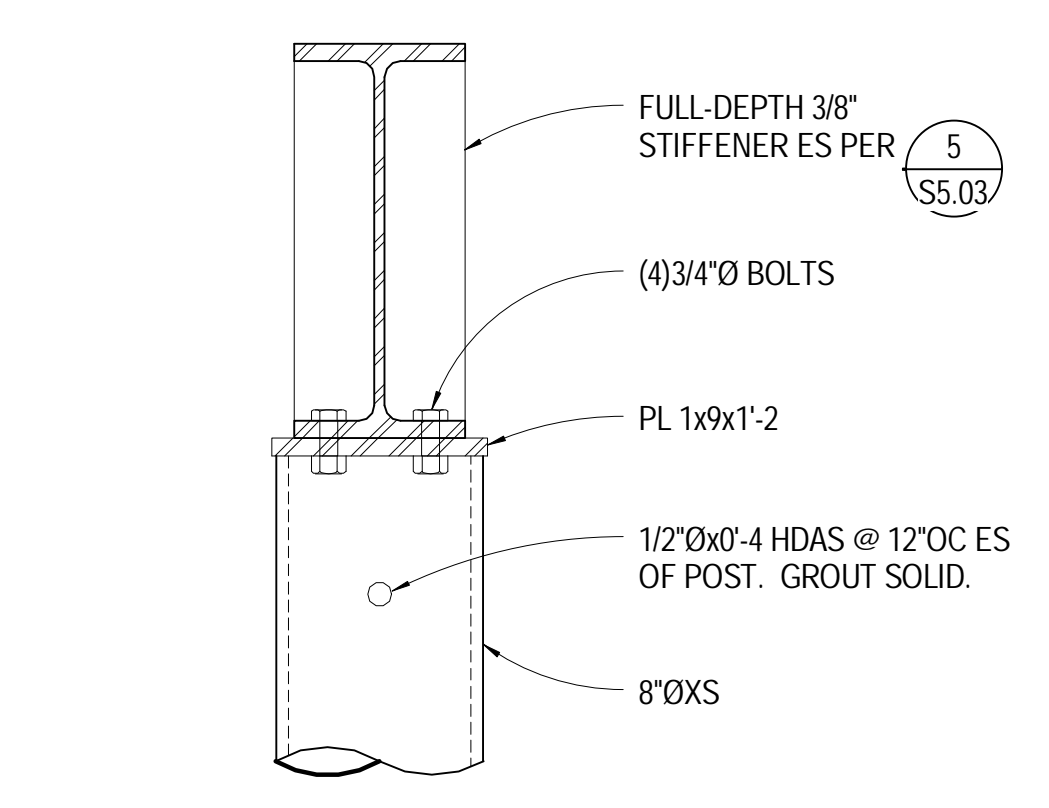
NOTES:
1. PROVIDE ERECTION BOLTS THROUGH PLATE WHERE REQUIRED FOR ERECTION



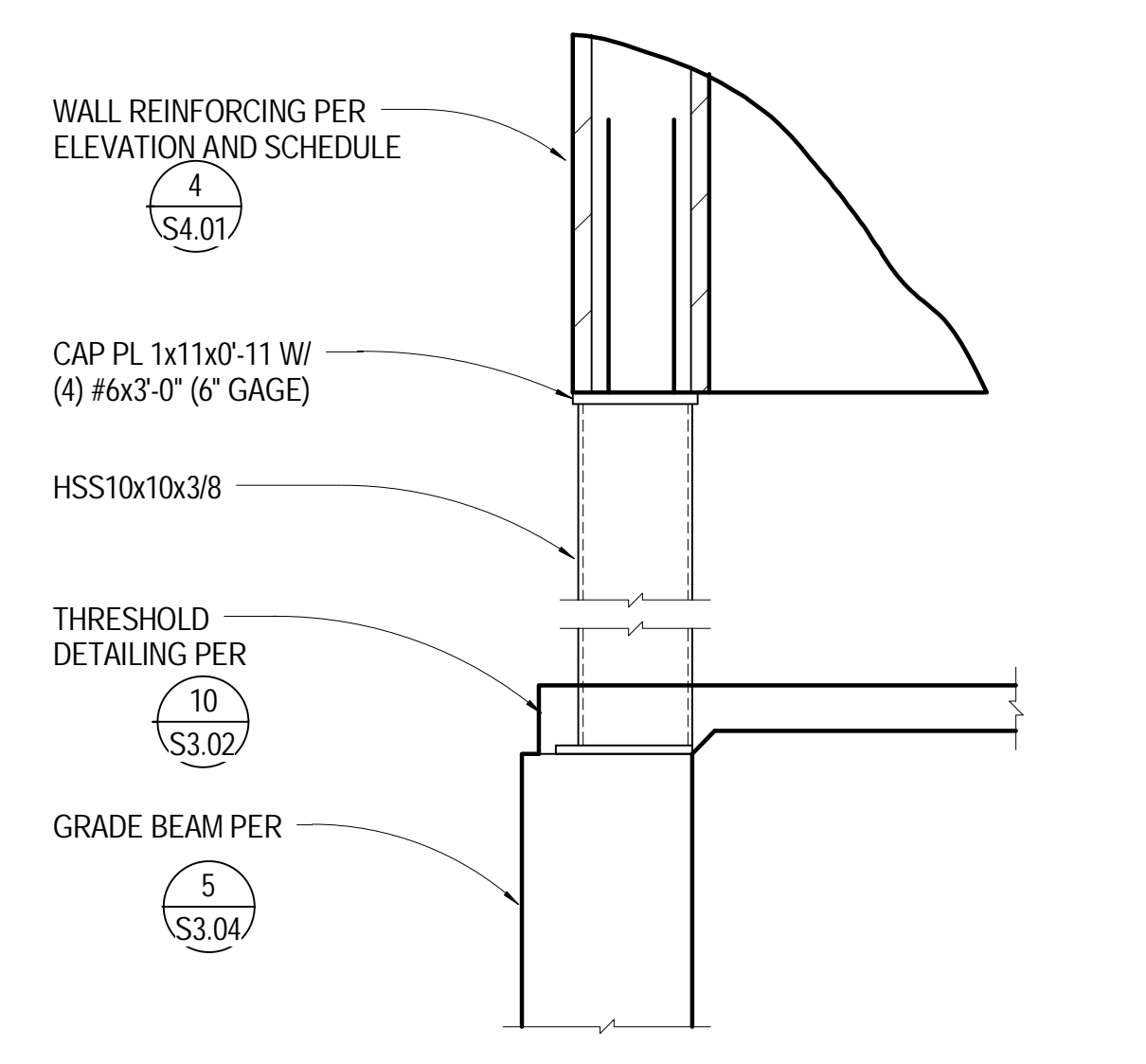
NOTES:
1. REACTIONS ARE SERVICE LEVEL (ASD)
2. IF REOD, INCREASE LENGTH OF BEARING PLATE TO PROVIDE 3" MIN ES OF BEAM FLANGE.
3. SET BEARING PLATE TO MATCH SLOPE AT ROOF



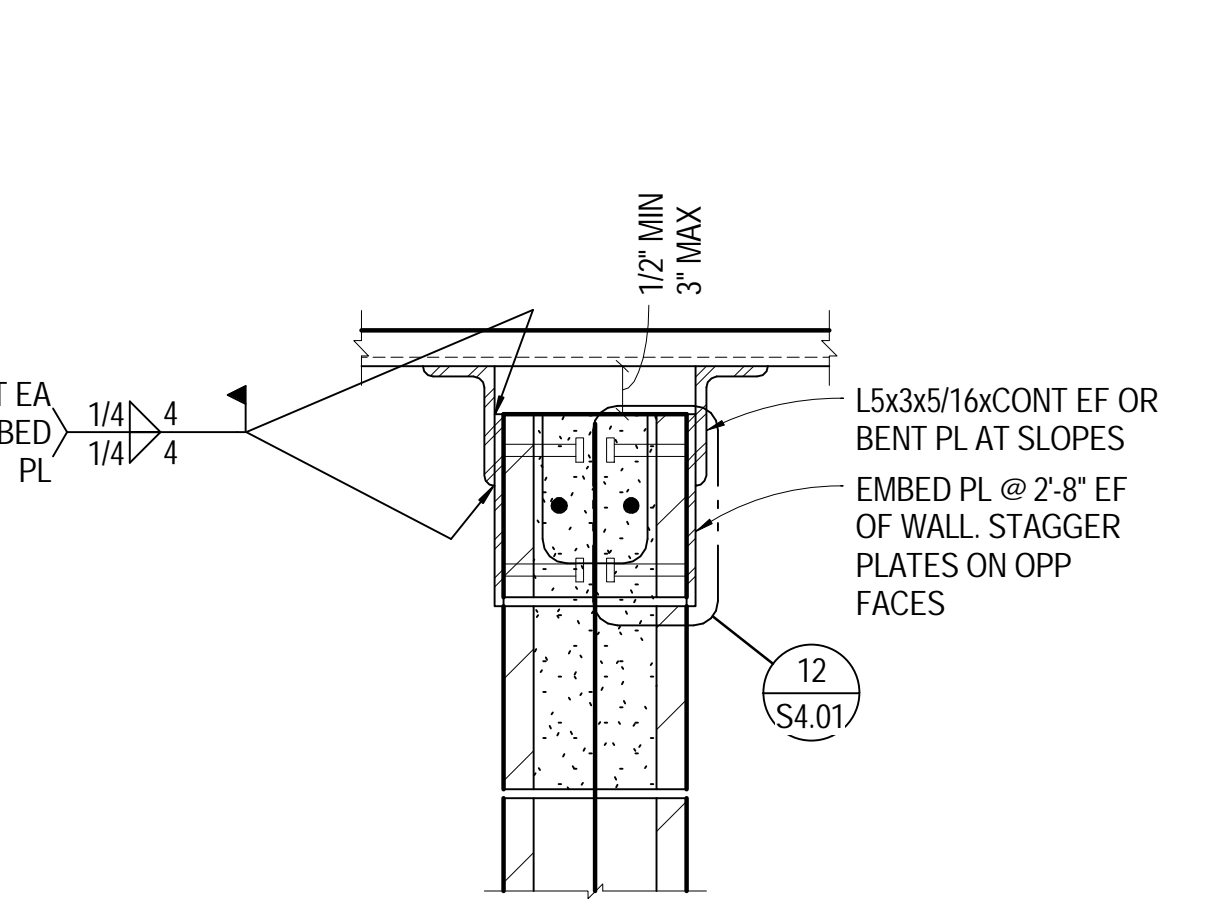
18 NO SCALE TYP MAS PARTITION SUPPORT - PARALLEL OR SKEWED TO DECK



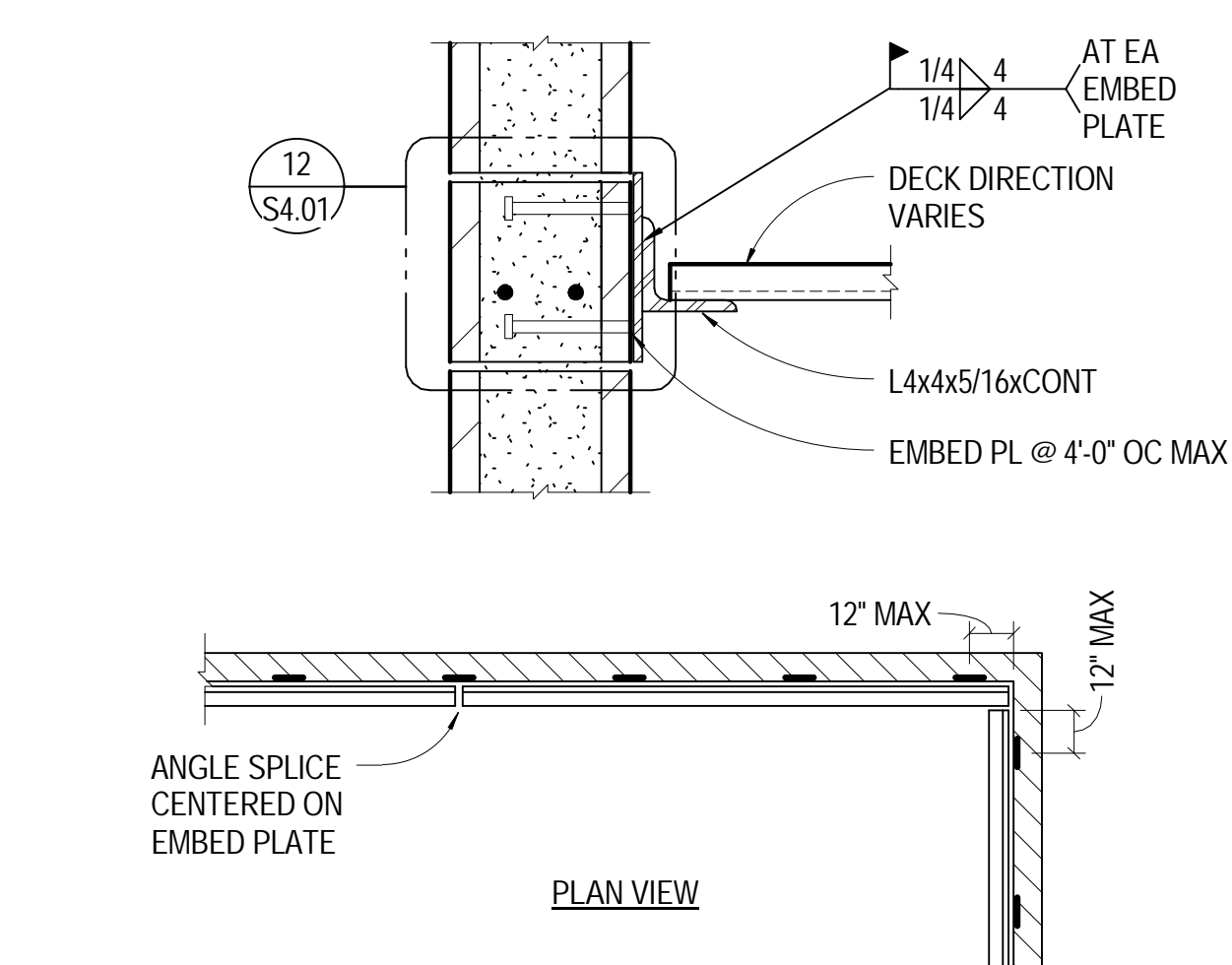
14 1 1/2" = 1'-0" GYM WALL STEEL - CONN



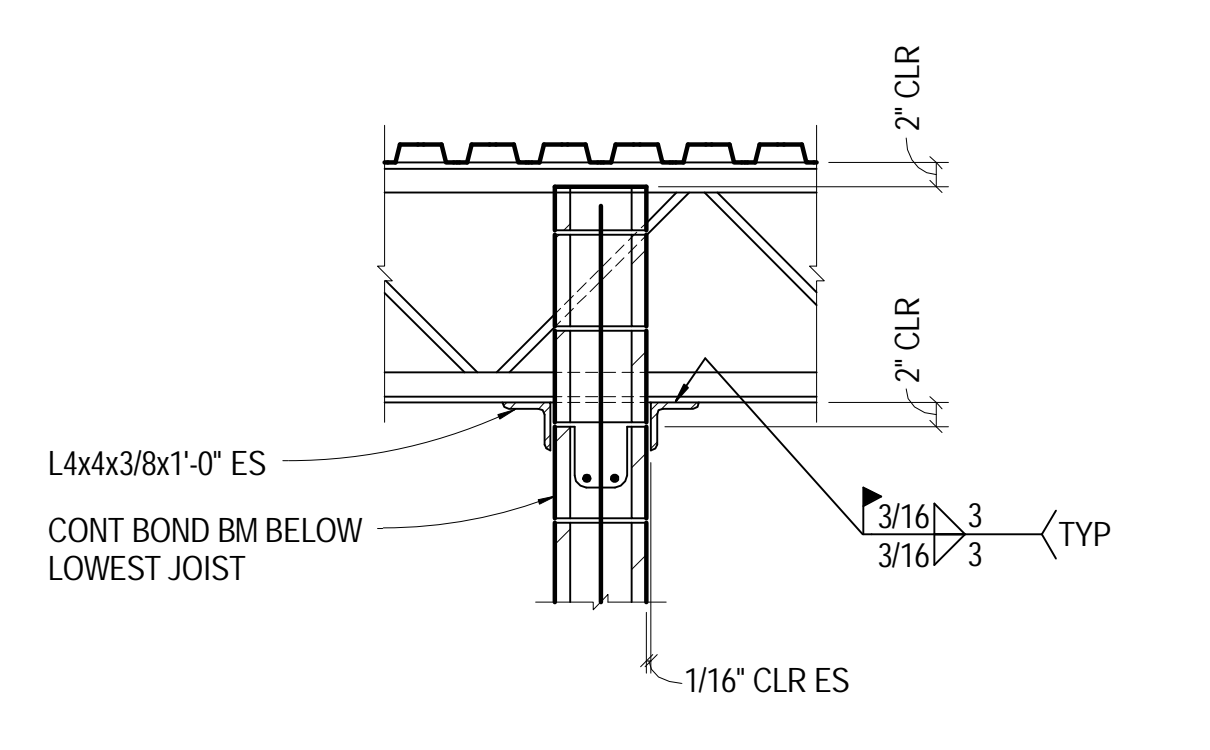
10 3/4" = 1'-0" HSS COL AT CMU WALL CORNER



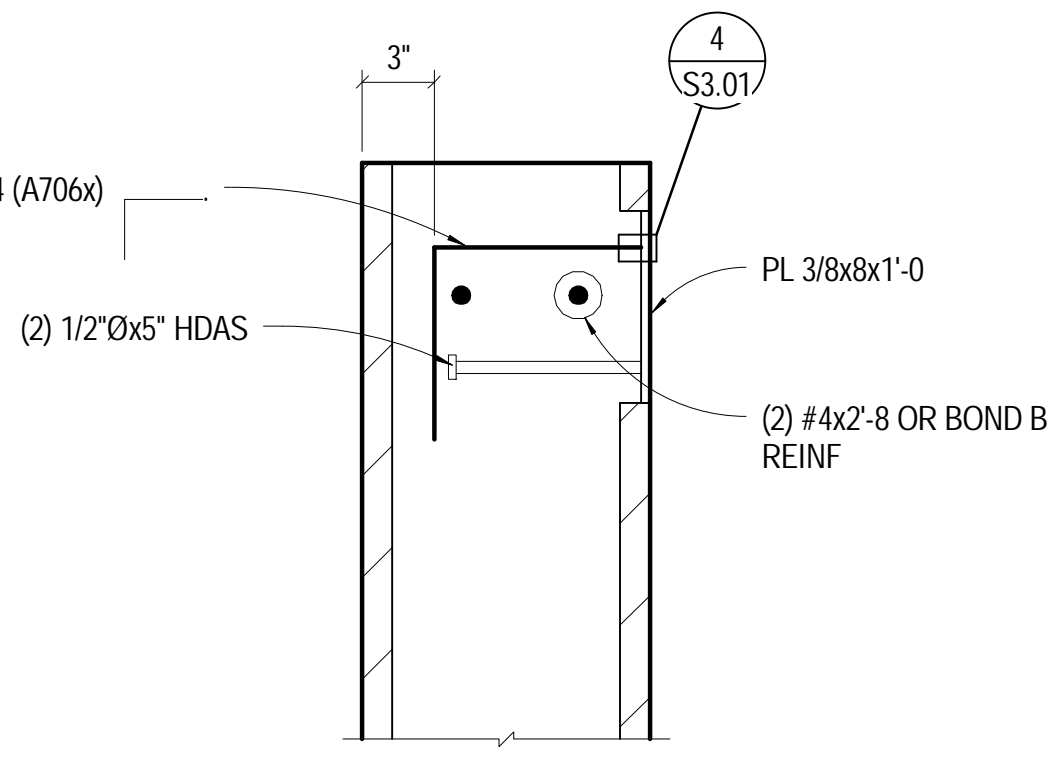
7 NO SCALE TYP STR MAS INT MTL DECK - 2



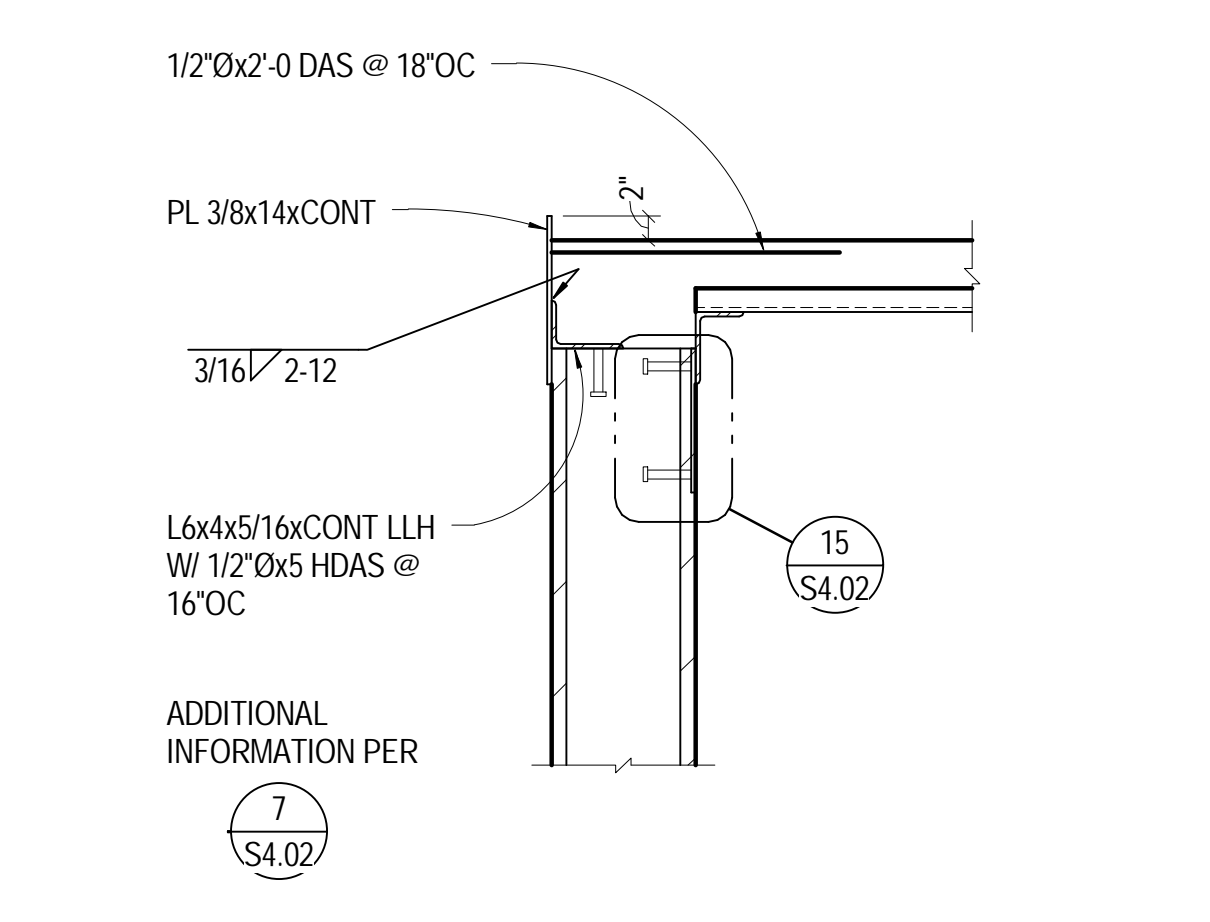
3 NO SCALE TYP STR MAS / MTL DECK



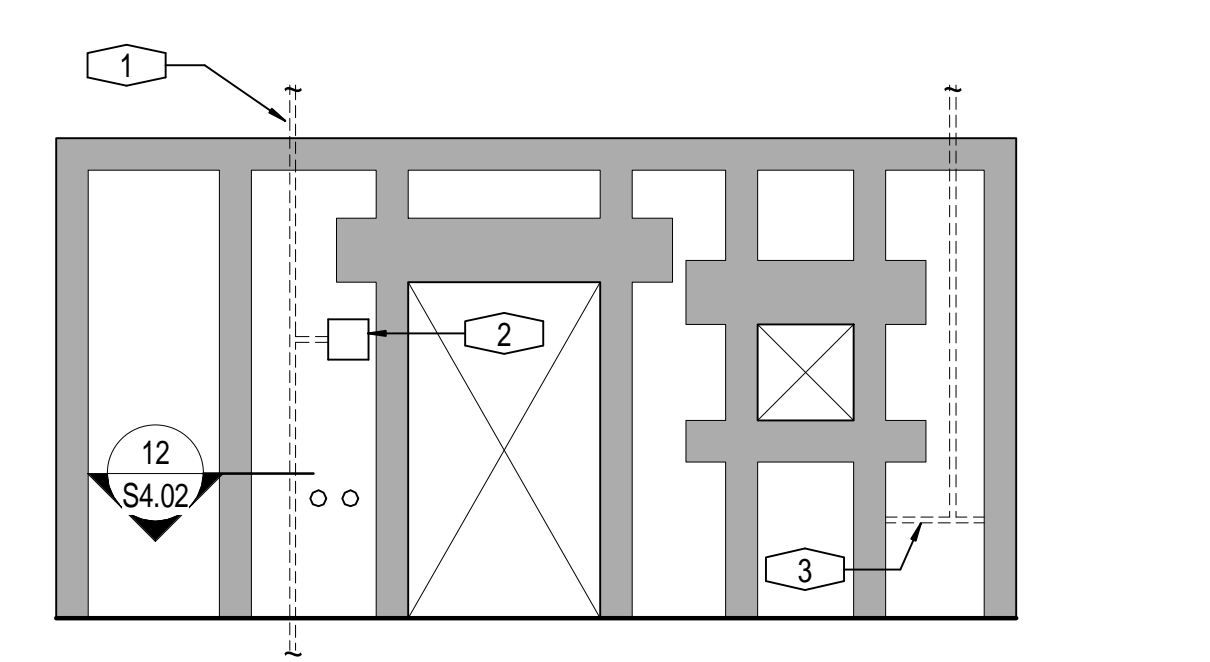
19 NO SCALE TYP MAS PARTITION SUPPORT - PERP TO JOISTS



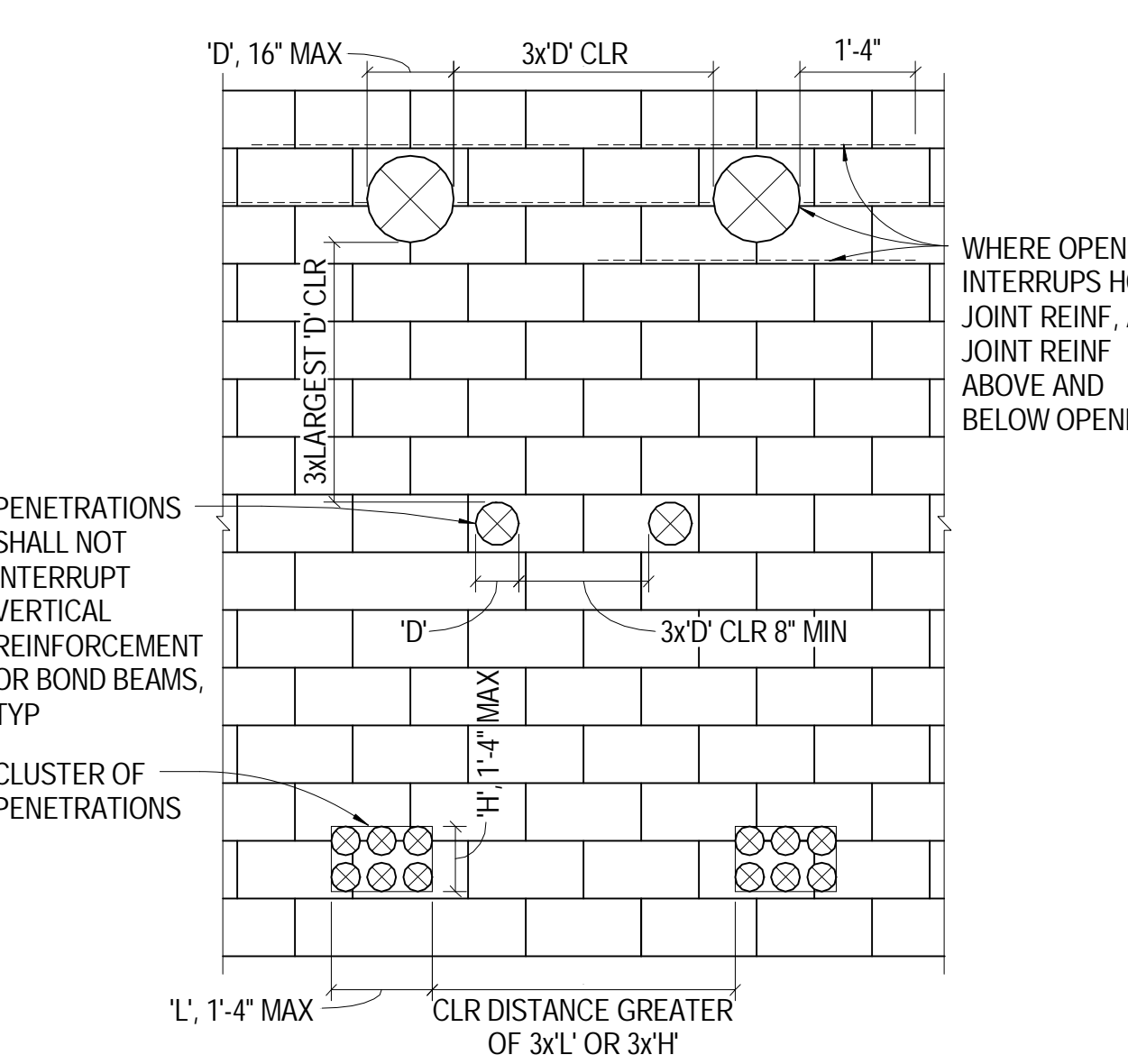
15 1 1/2" = 1'-0" EMBED PLATE AT TOP OF MAS WALL



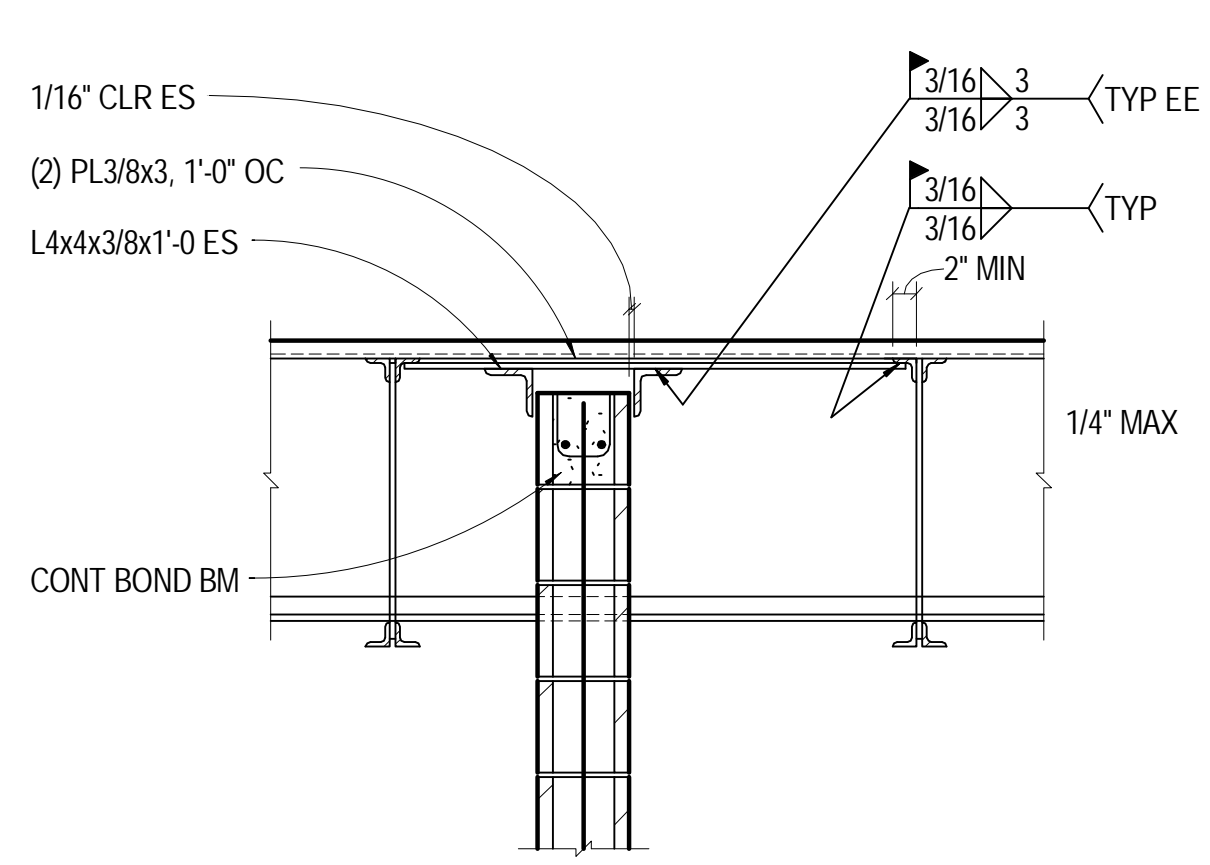
11 3/4" = 1'-0" CMU WALL AT TRACK EDGE



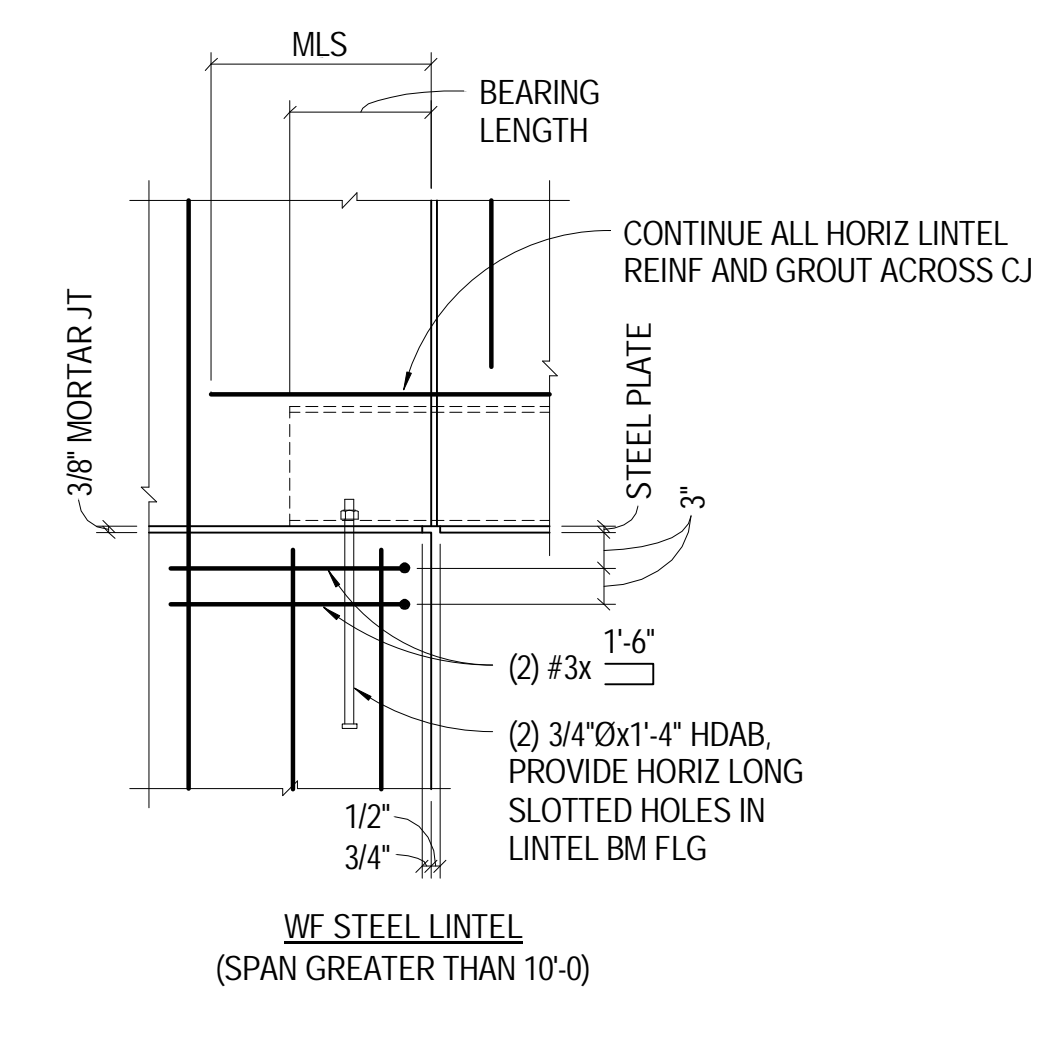
8 1/4" = 1'-0" TYP STR MAS / CONDUIT ELEV



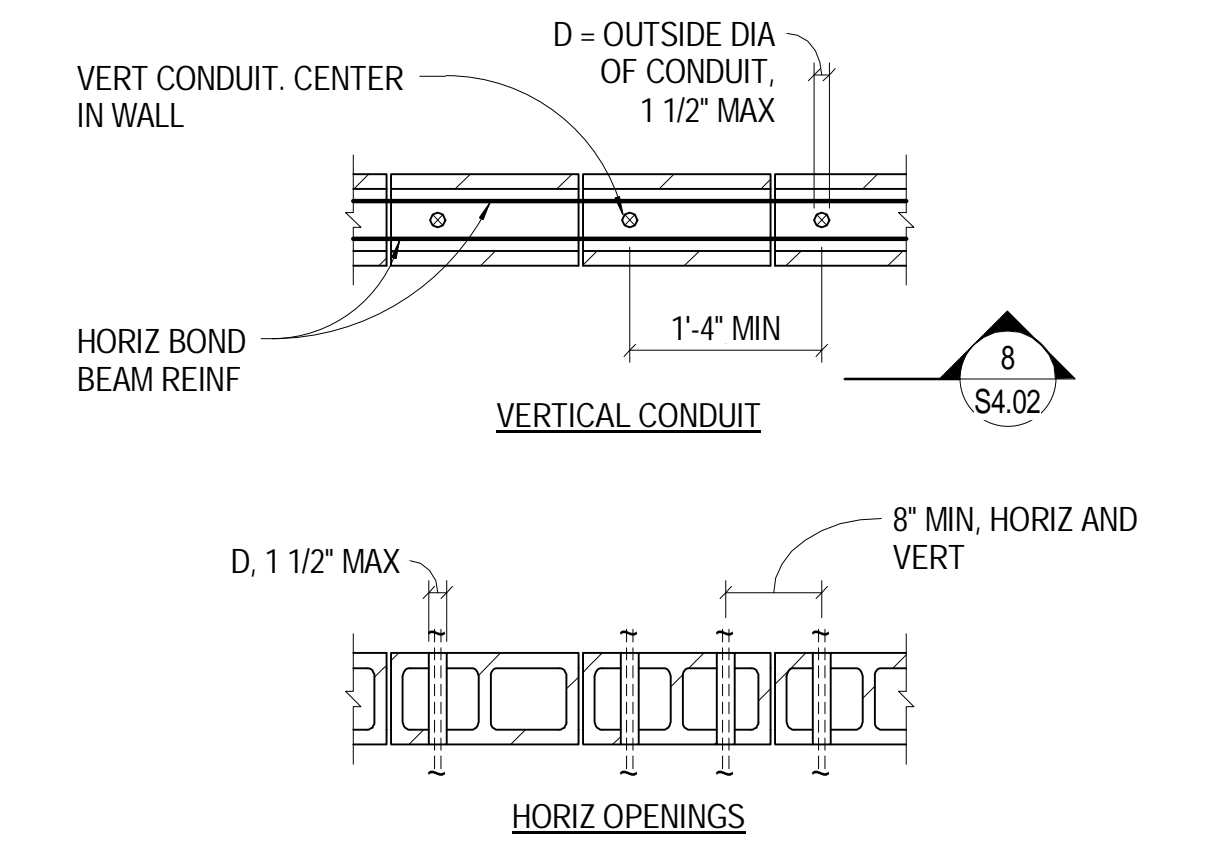
4 1/2" = 1'-0" TYP STR MAS / PIPING



20 NO SCALE TYP MAS PARTITION SUPPORT - PARALLEL TO JOISTS



16 3/4" = 1'-0" TYP STR MAS STEEL LINTEL SUPPORT



12 3/4" = 1'-0" TYP STR MAS / CONDUIT PLAN

KEY PLAN

Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

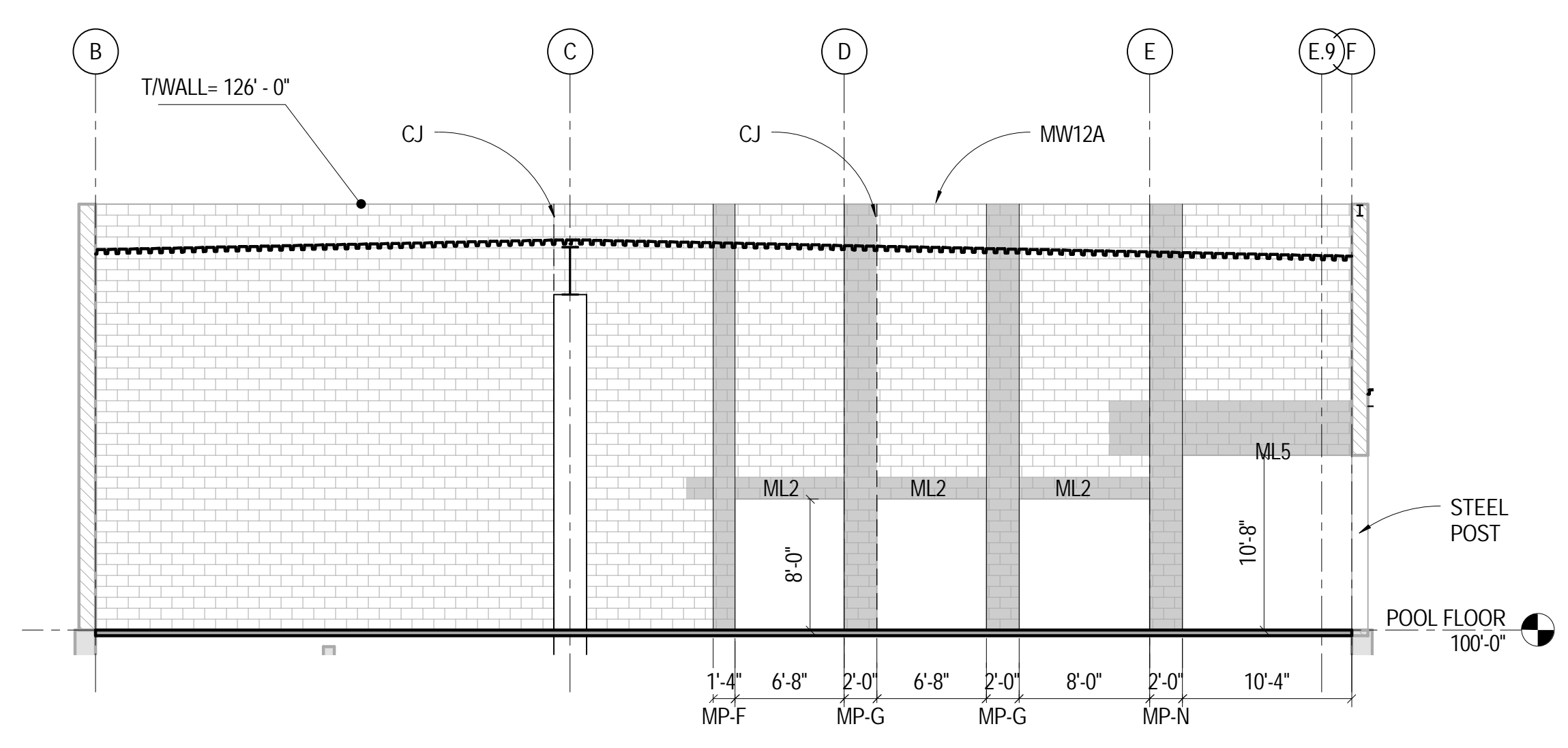
FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO
M/M Project No.: 21468.S.01

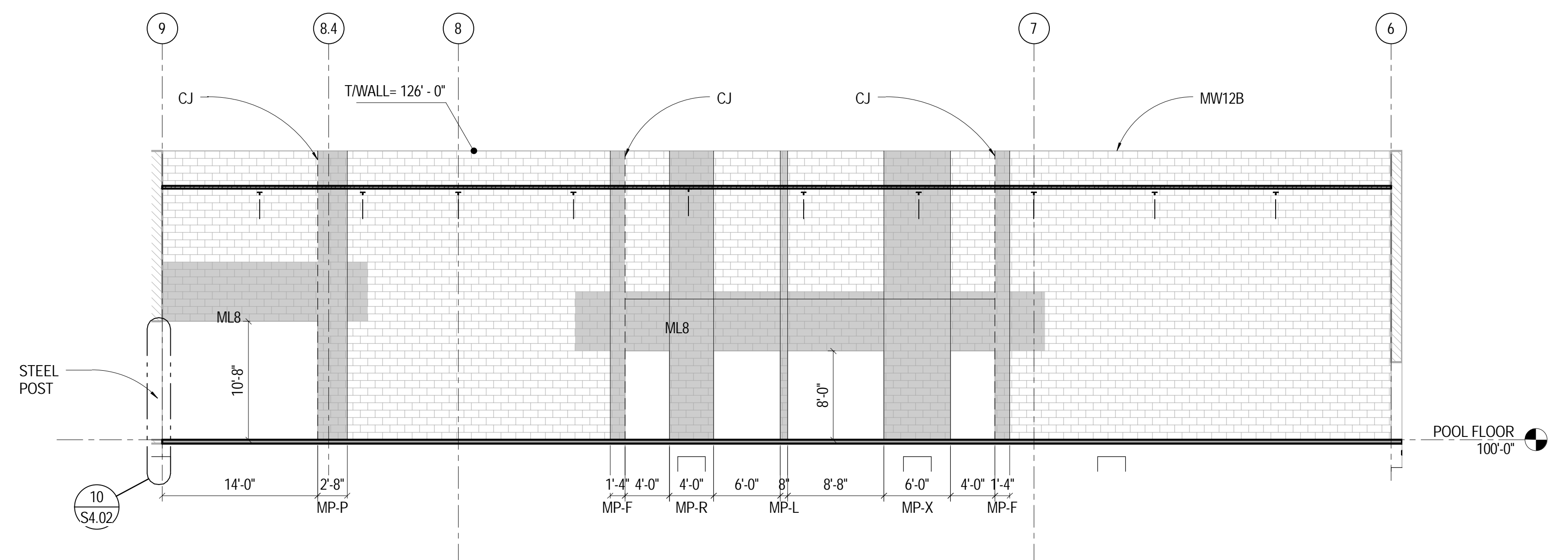
MASONRY DETAILS

Drawn By: DE, LB
Checked By: BN, GS

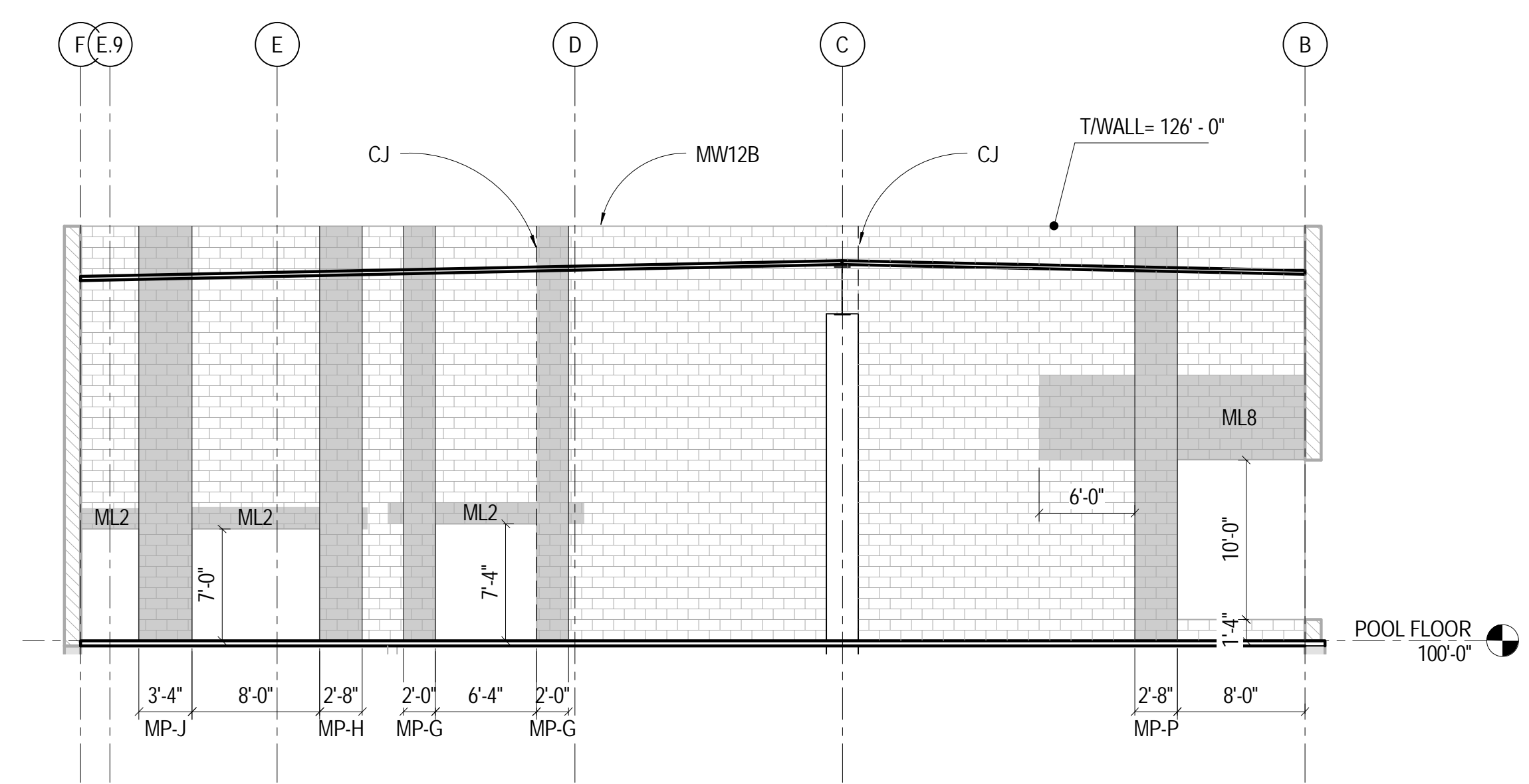
S4.02



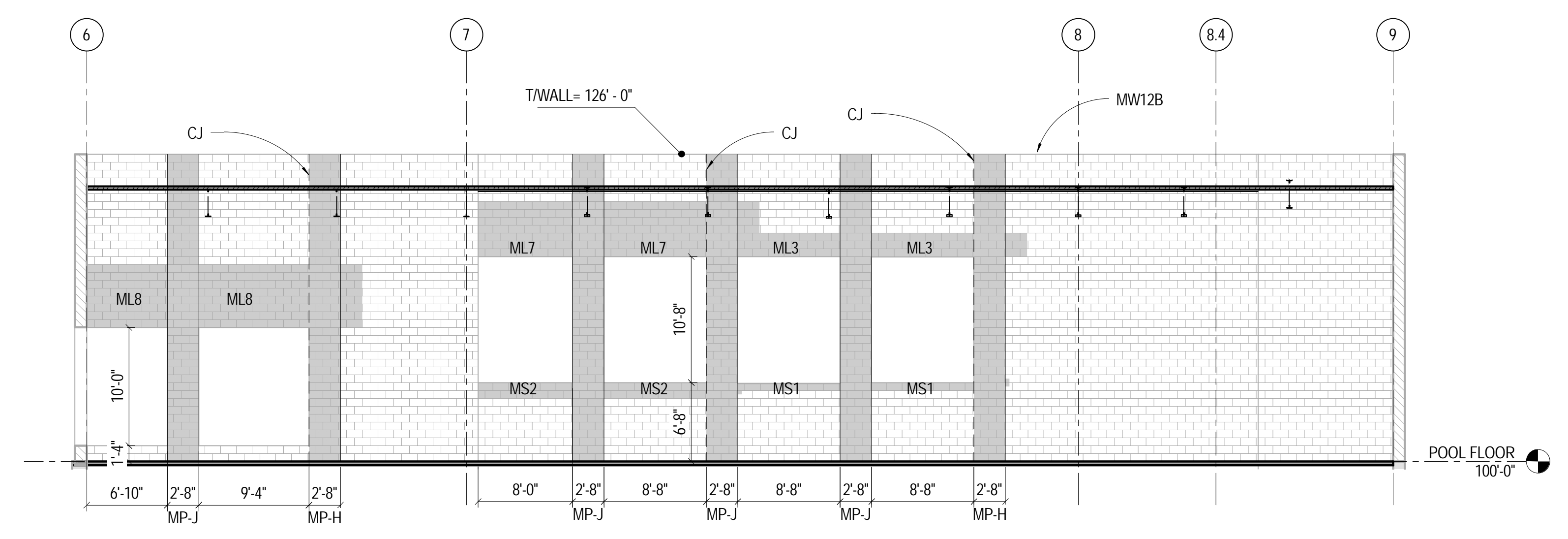
18 1/8" = 1'-0" POOL - EAST WALL



10 1/8" = 1'-0" POOL - SOUTH WALL



20 1/8" = 1'-0" POOL - WEST WALL



12 1/8" = 1'-0" POOL - NORTH WALL

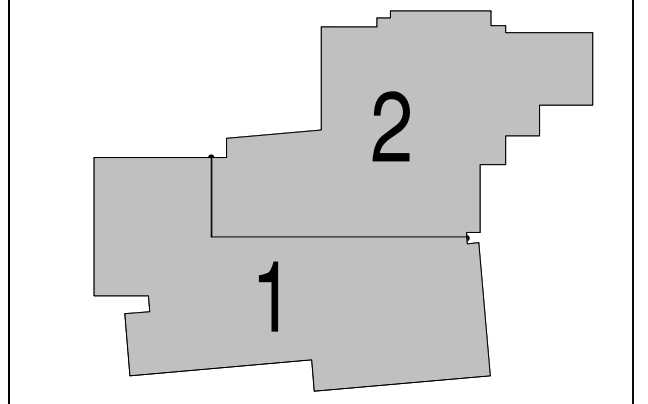


SINK COMBS DETHLEFS
Copyright for Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.398.0200
303.398.0222
FAX 303.398.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE
P.O. BOX 185000
LAKWOOD, COLORADO 80118
303.431.6100
FAX 303.431.6886

KEY PLAN
PROJECT NORTH



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

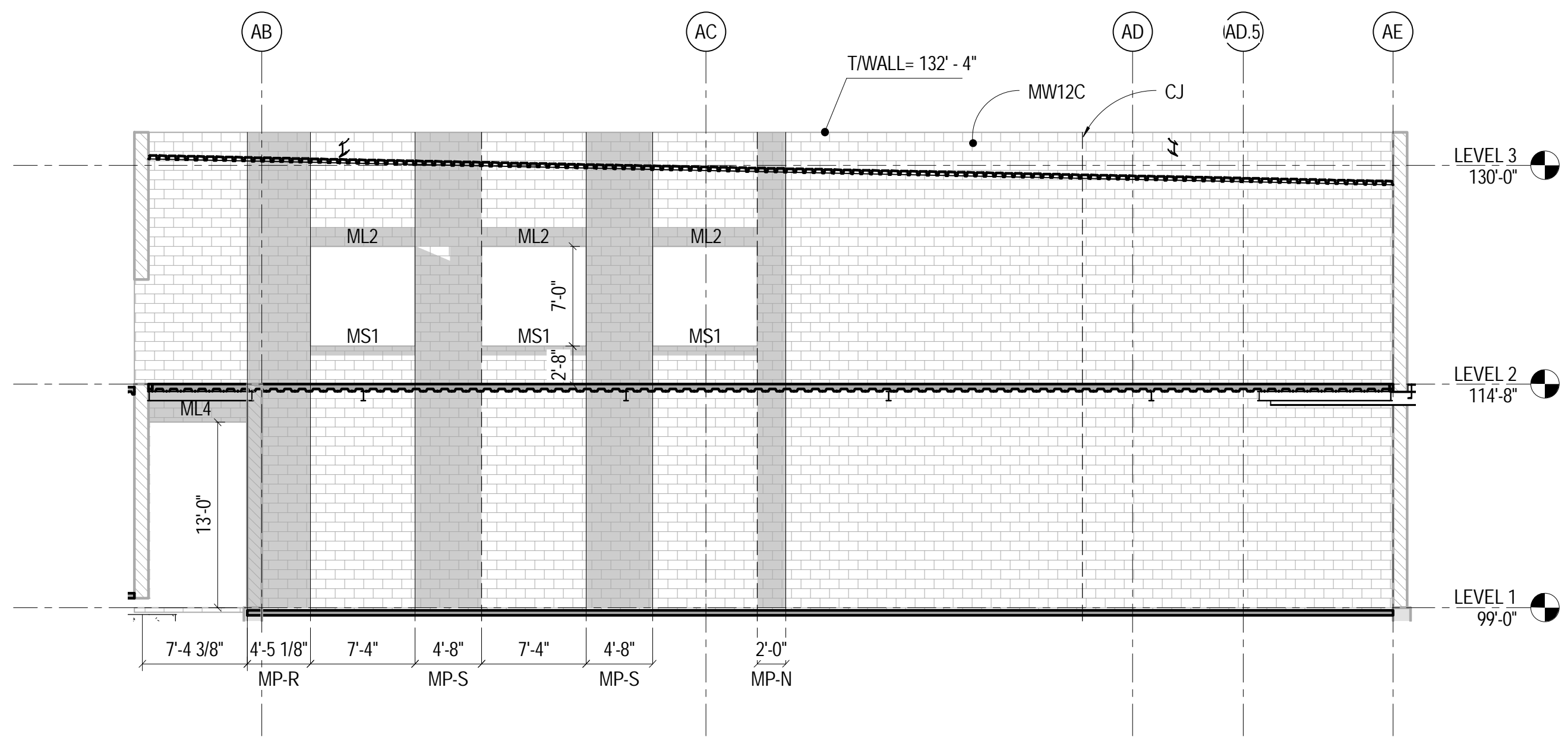
FRUITA COLORADO

M/M Project No.: 21468.S.01

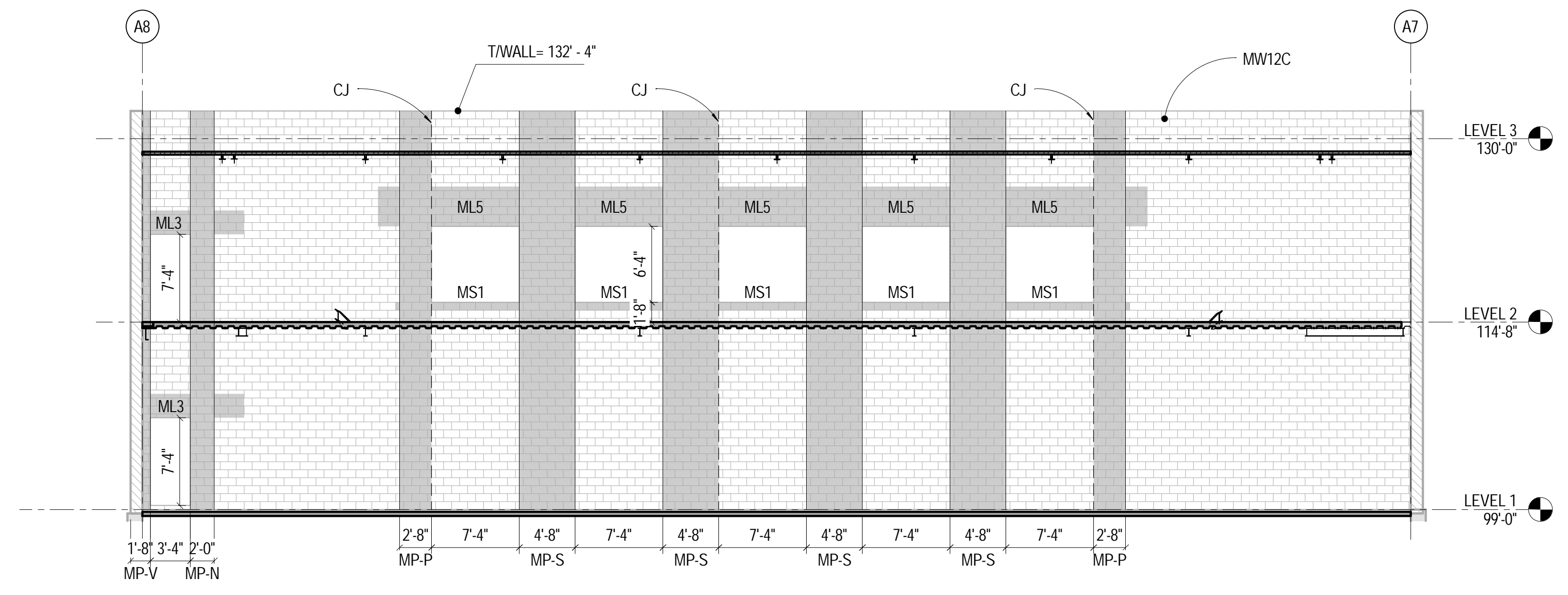
MASONRY WALL ELEVATIONS

Drawn By: DE, LB
Checked By: BN, GS

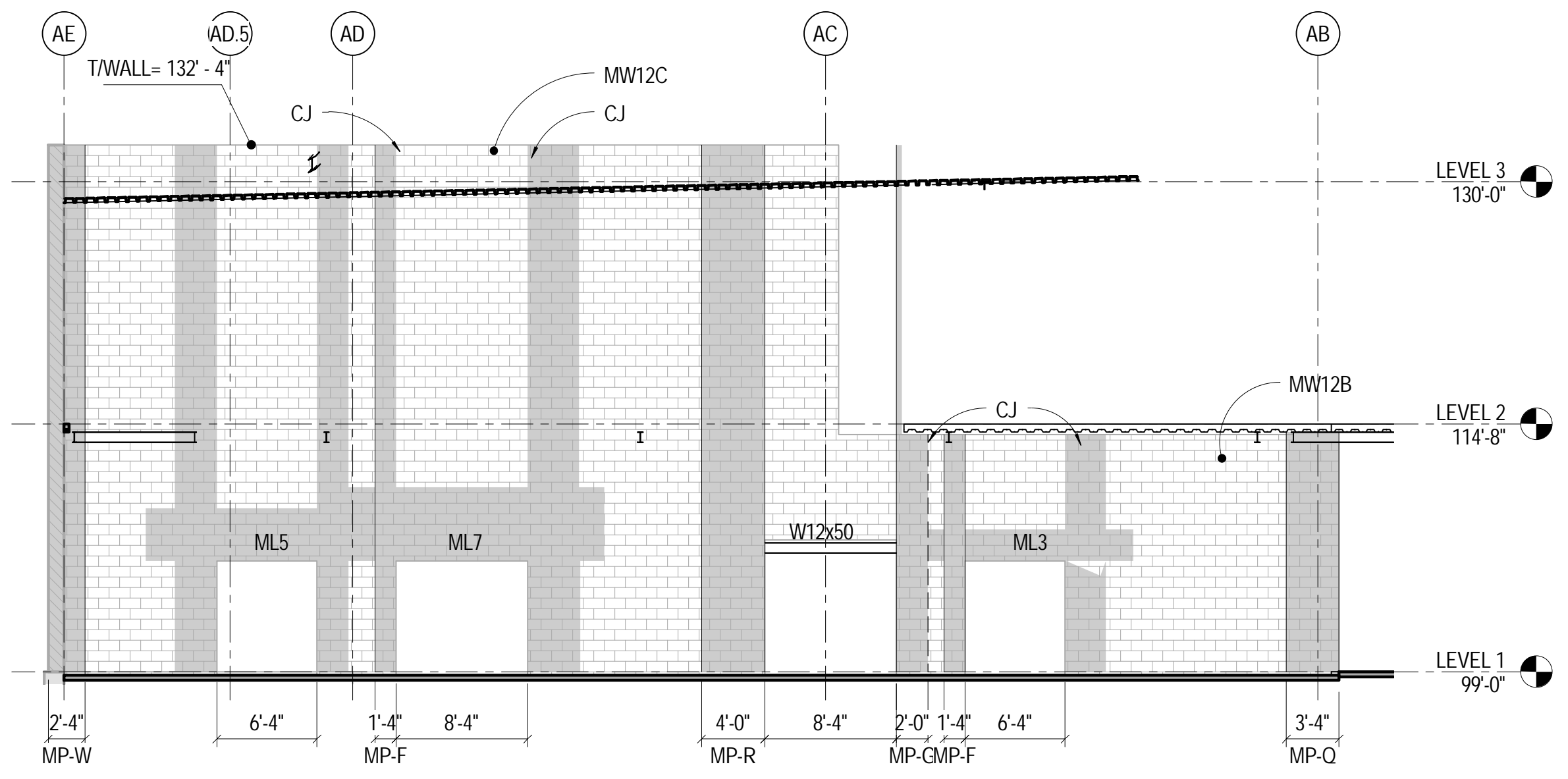
S4.10



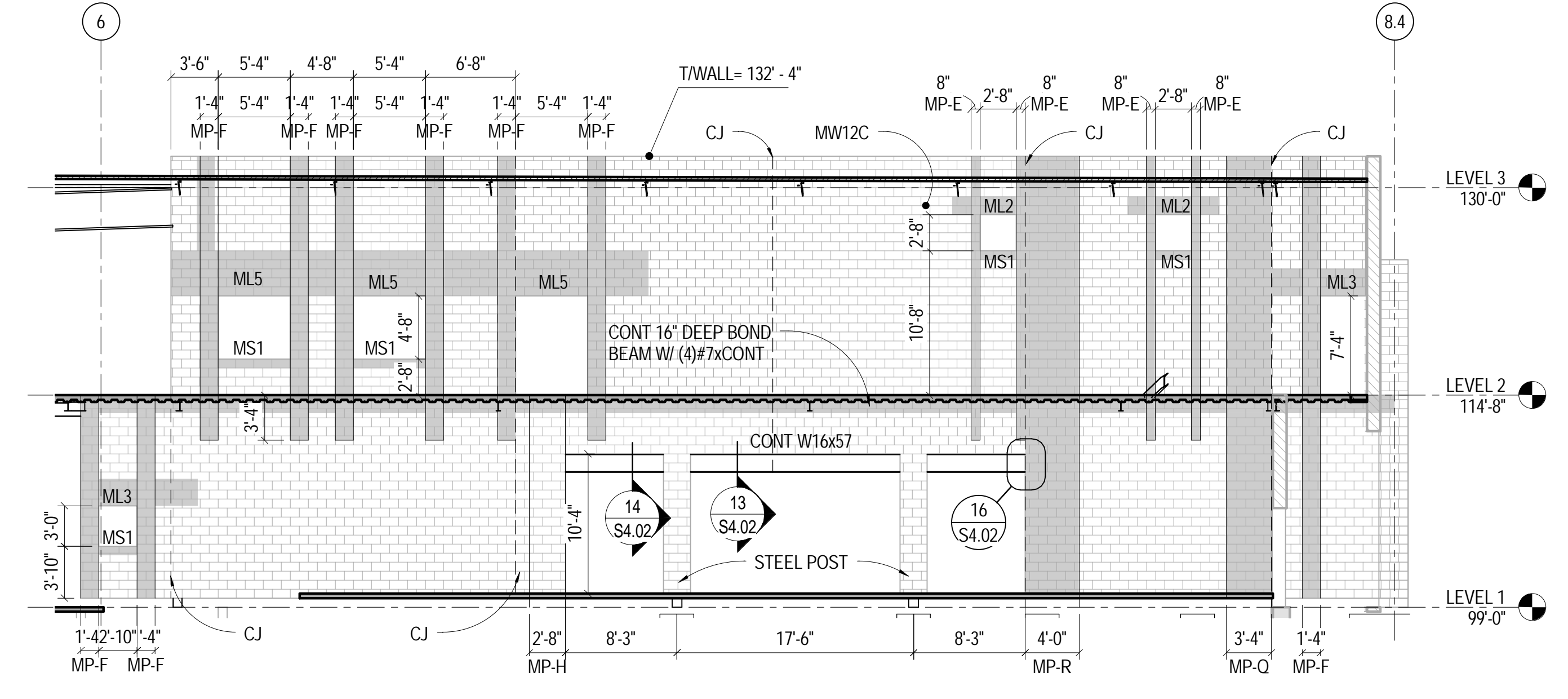
18 1/8" = 1'-0" GYM - EAST WALL



10 1/8" = 1'-0" GYM - SOUTH WALL

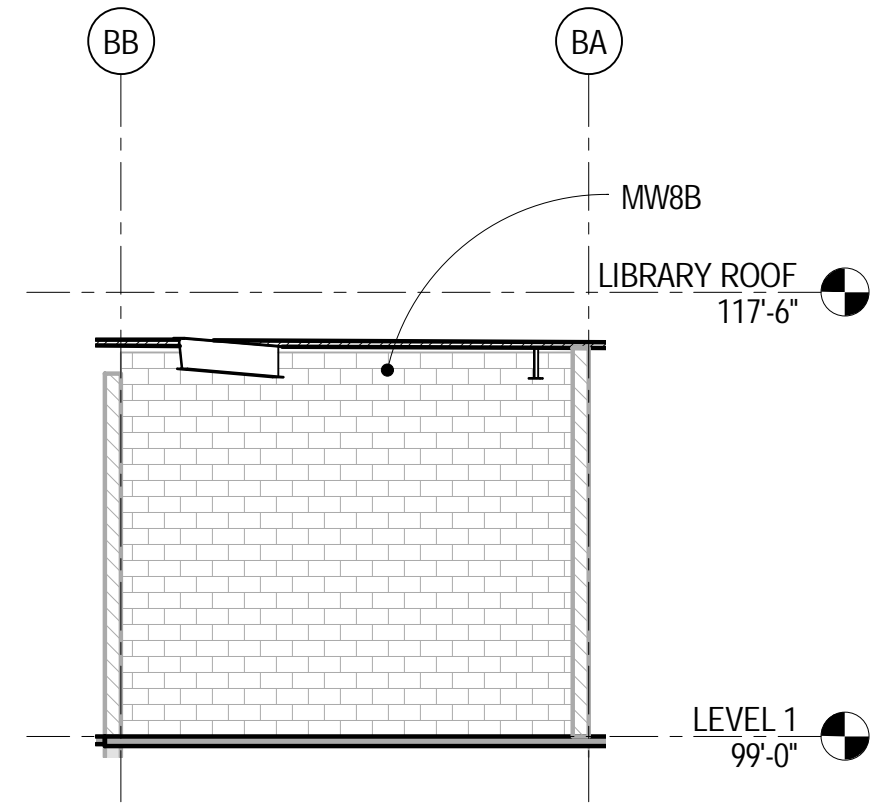


20 1/8" = 1'-0" GYM - WEST WALL

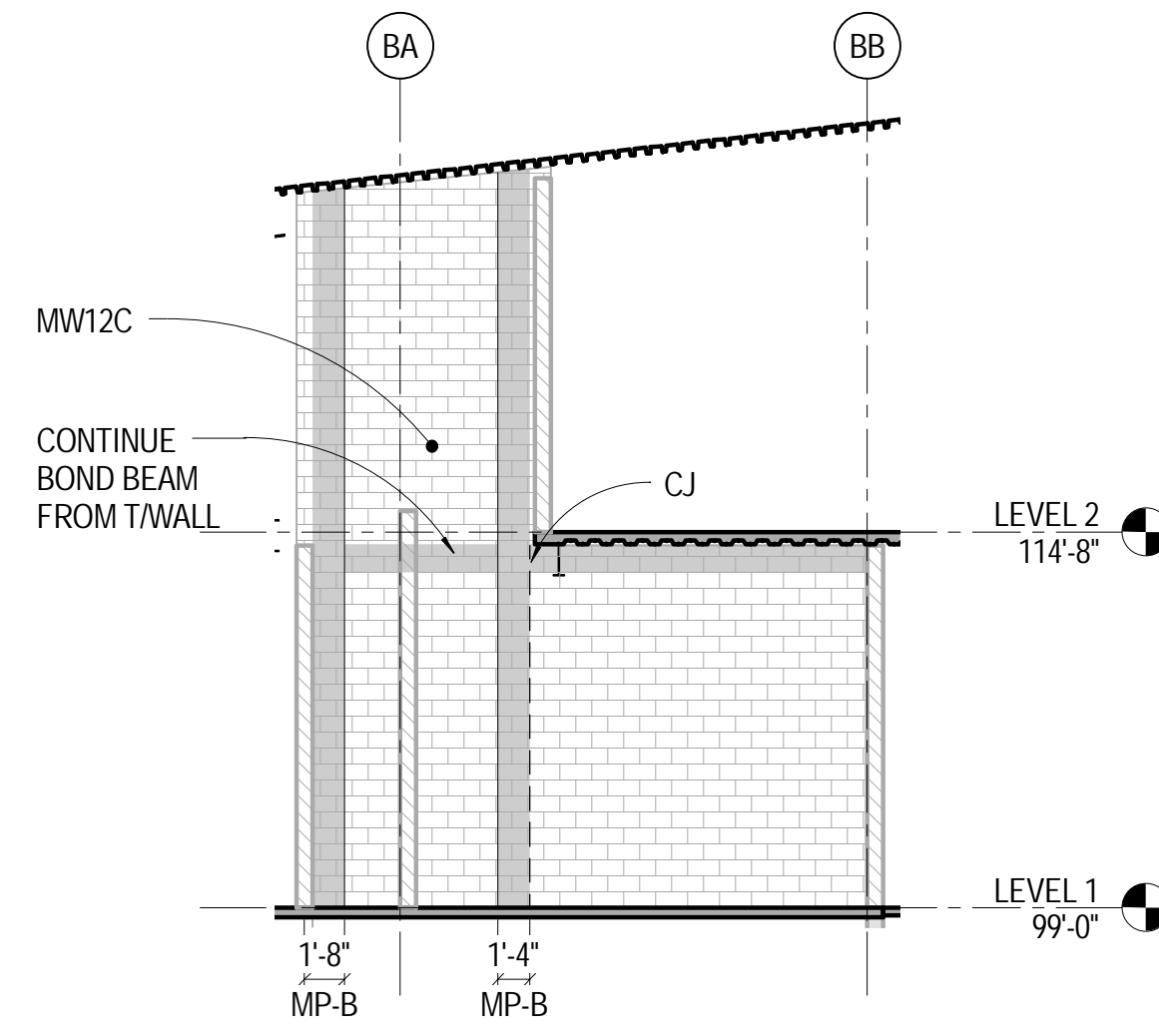


12 1/8" = 1'-0" GYM - NORTH WALL

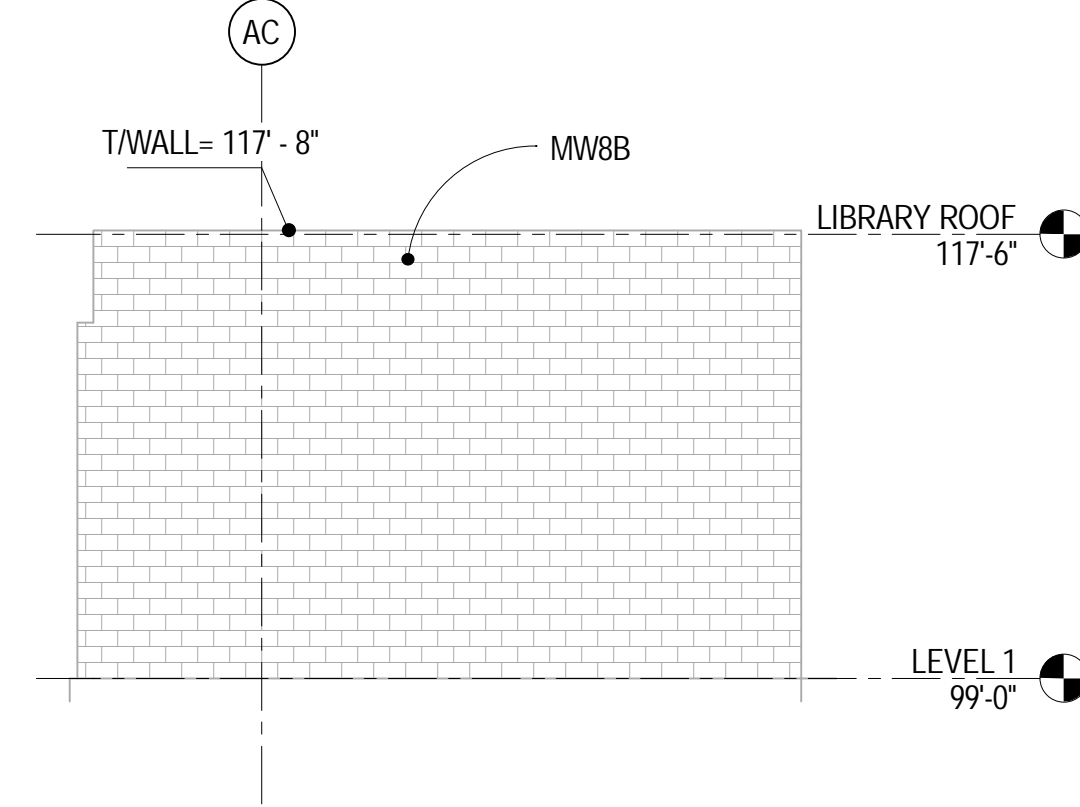
Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09



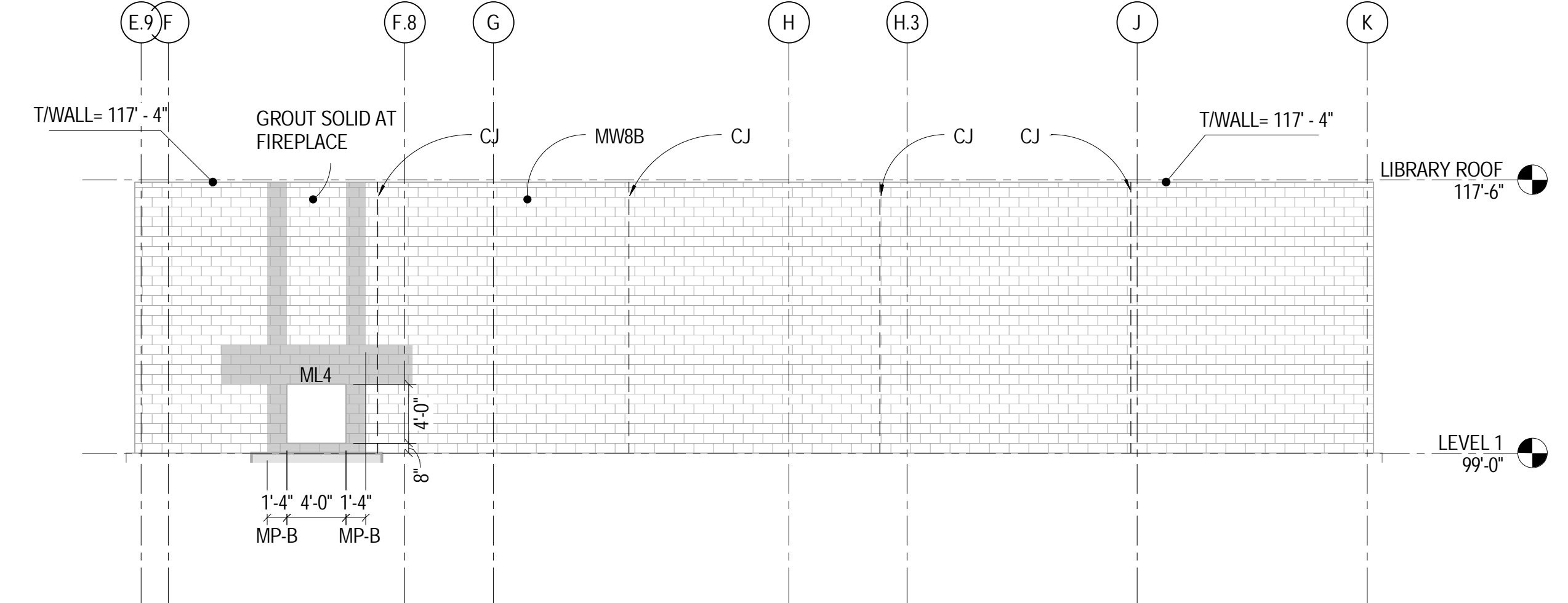
17 1/8" = 1'-0" RESTROOM - WEST WALL



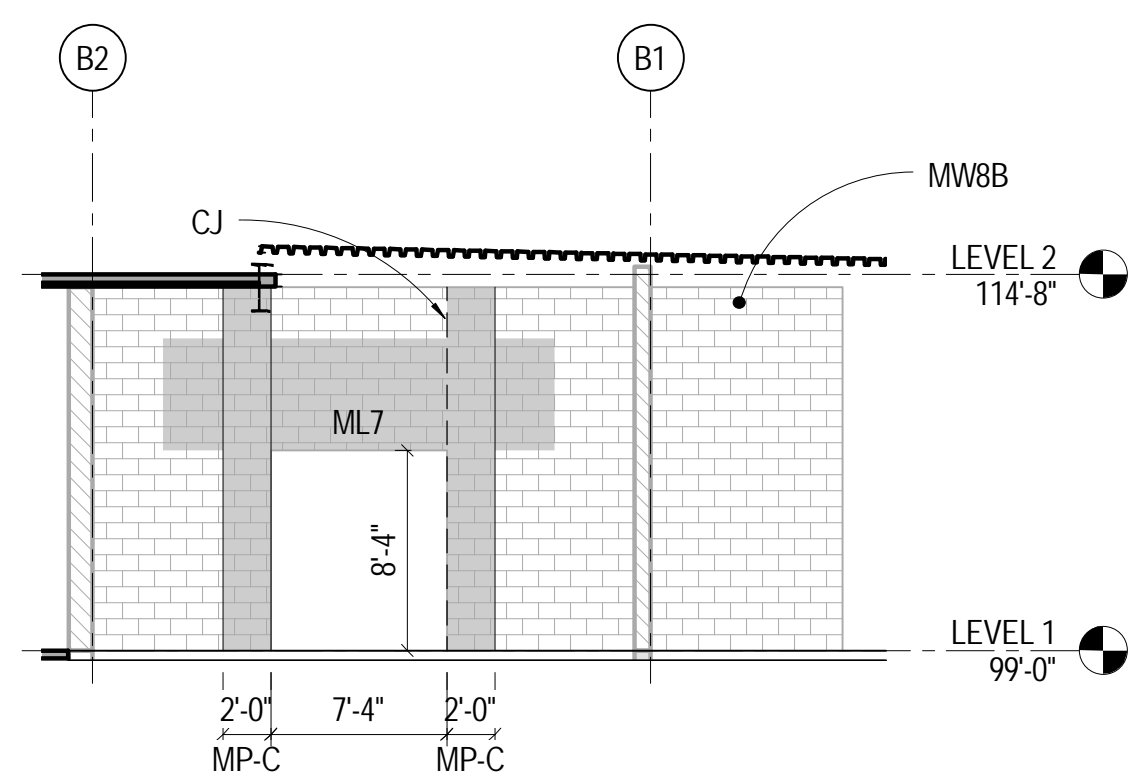
13 1/8" = 1'-0" RESTROOM - EAST WALL



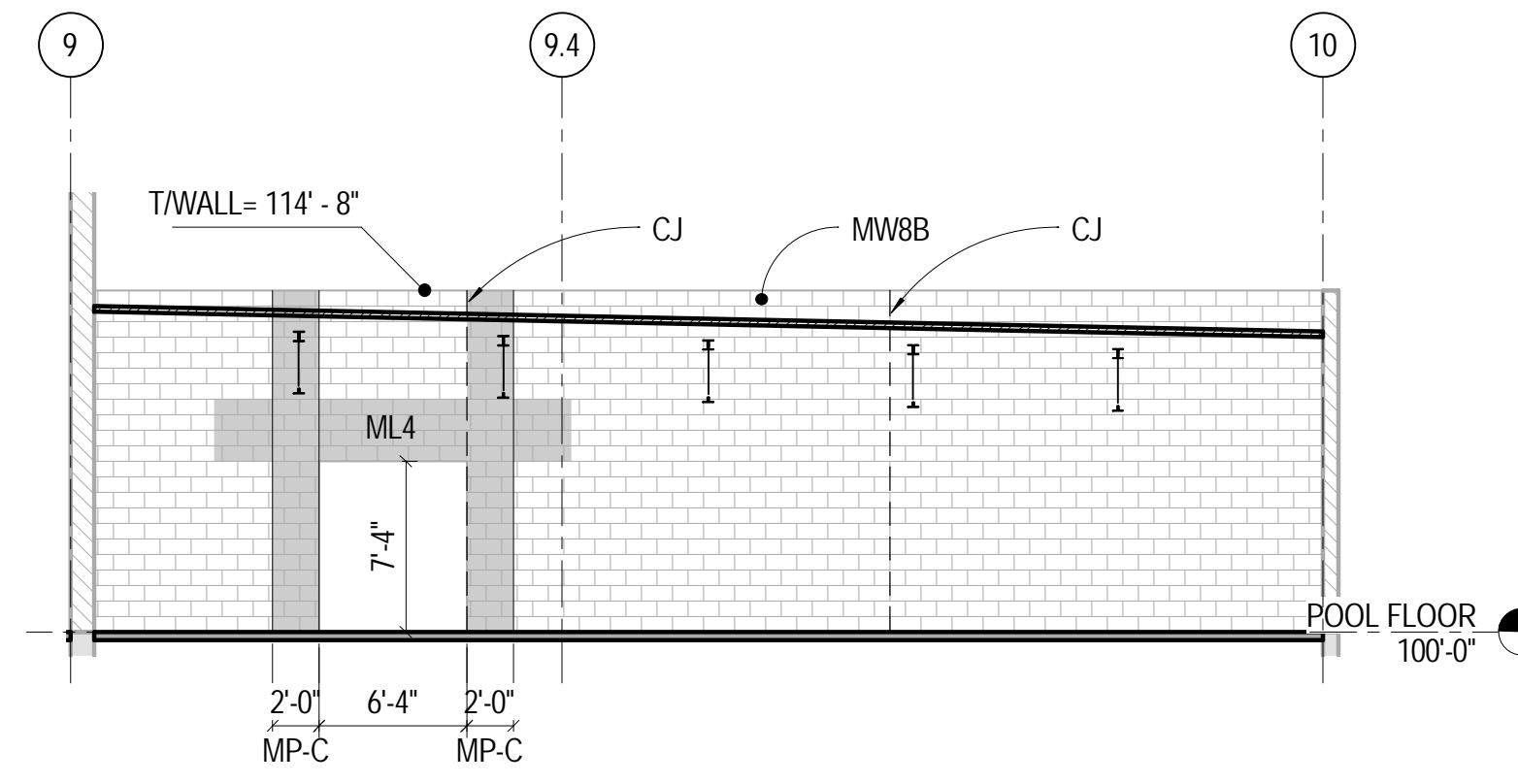
9 1/8" = 1'-0" WALL ON GRID A1



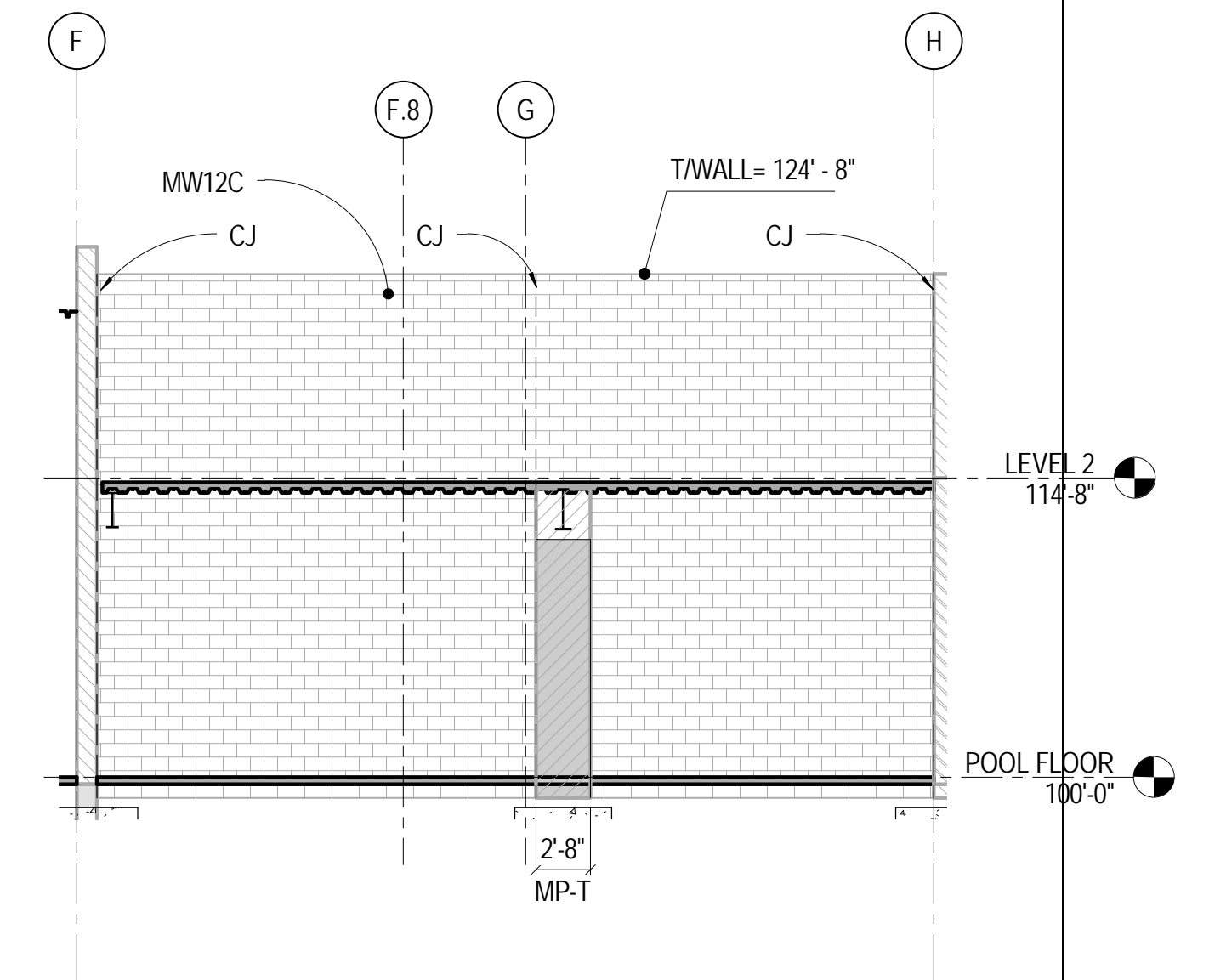
5 1/8" = 1'-0" WALL ON GRID 1



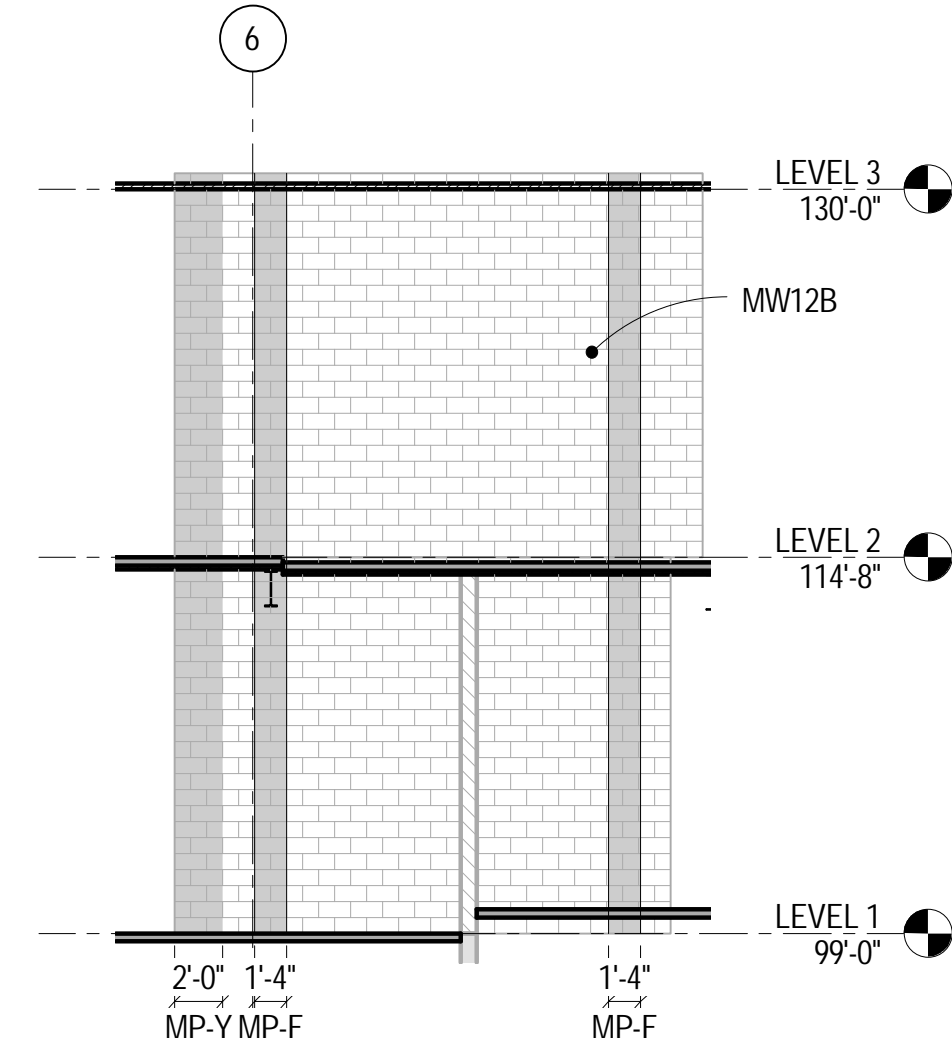
18 1/8" = 1'-0" RESTROOM - SOUTH WALL



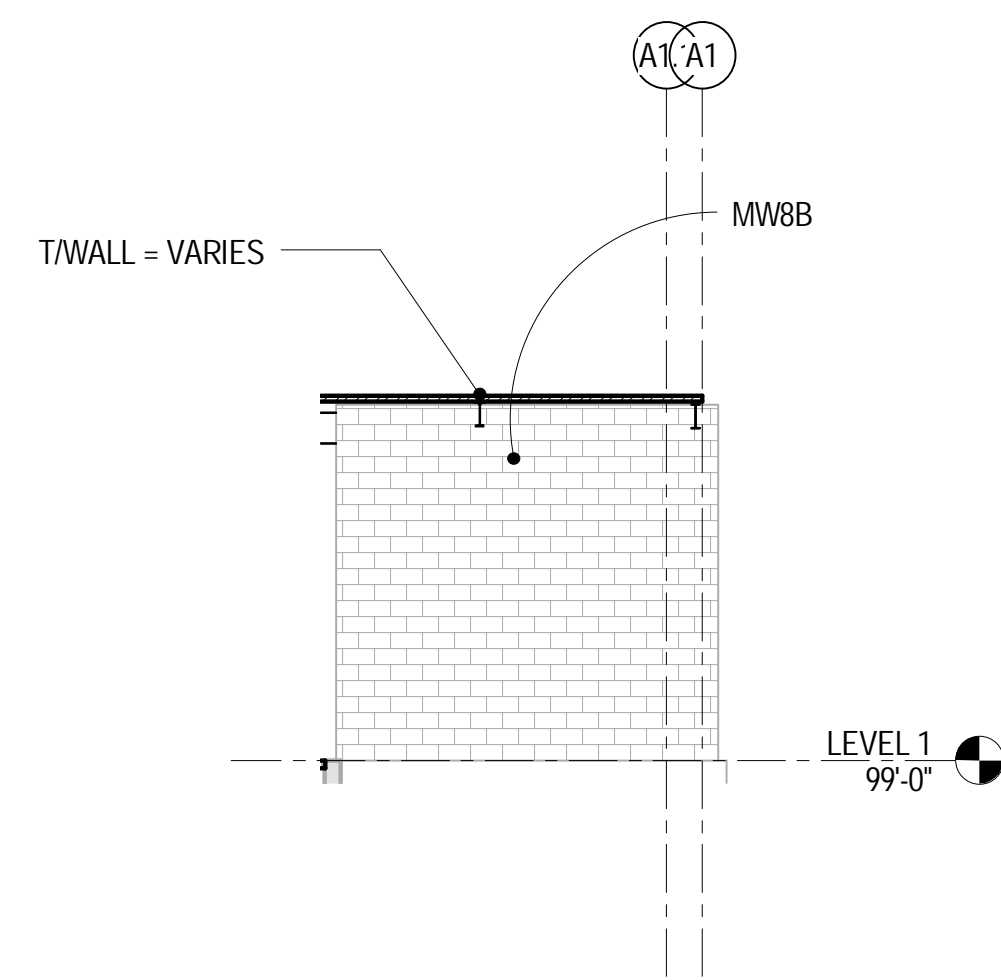
10 1/8" = 1'-0" POOL MECH - NORTH WALL



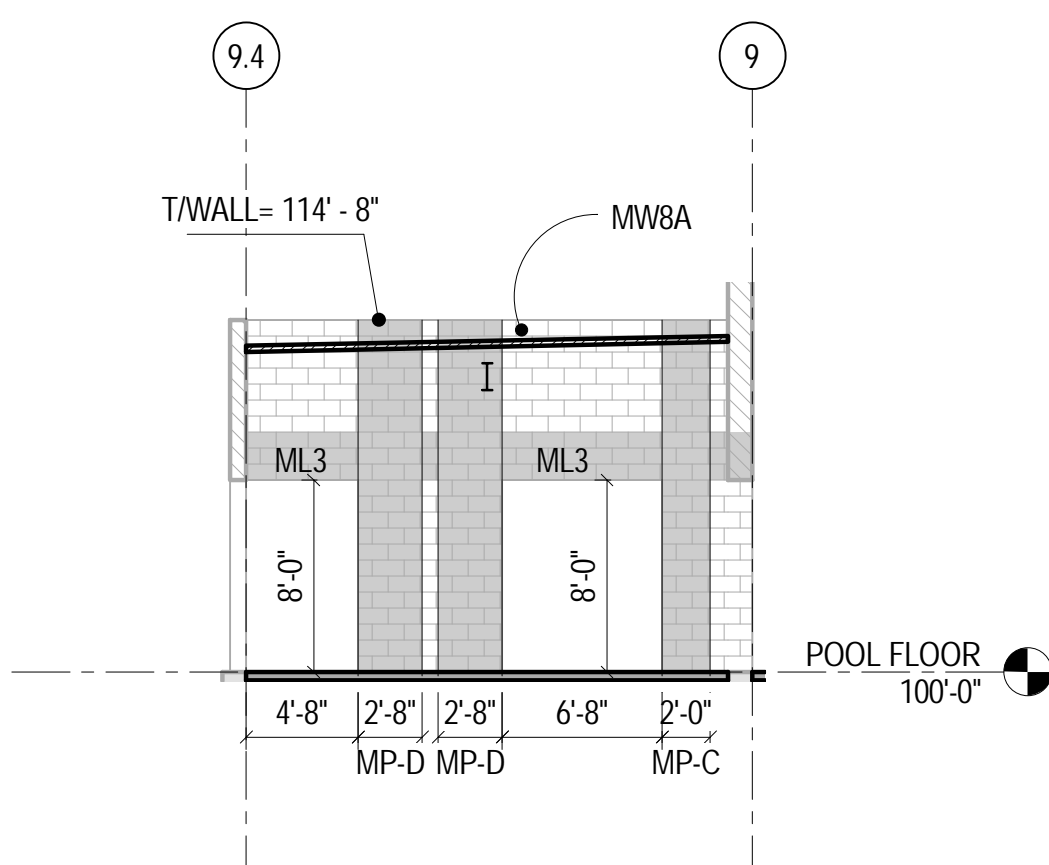
2 1/8" = 1'-0" WALL - LOCKERS EAST



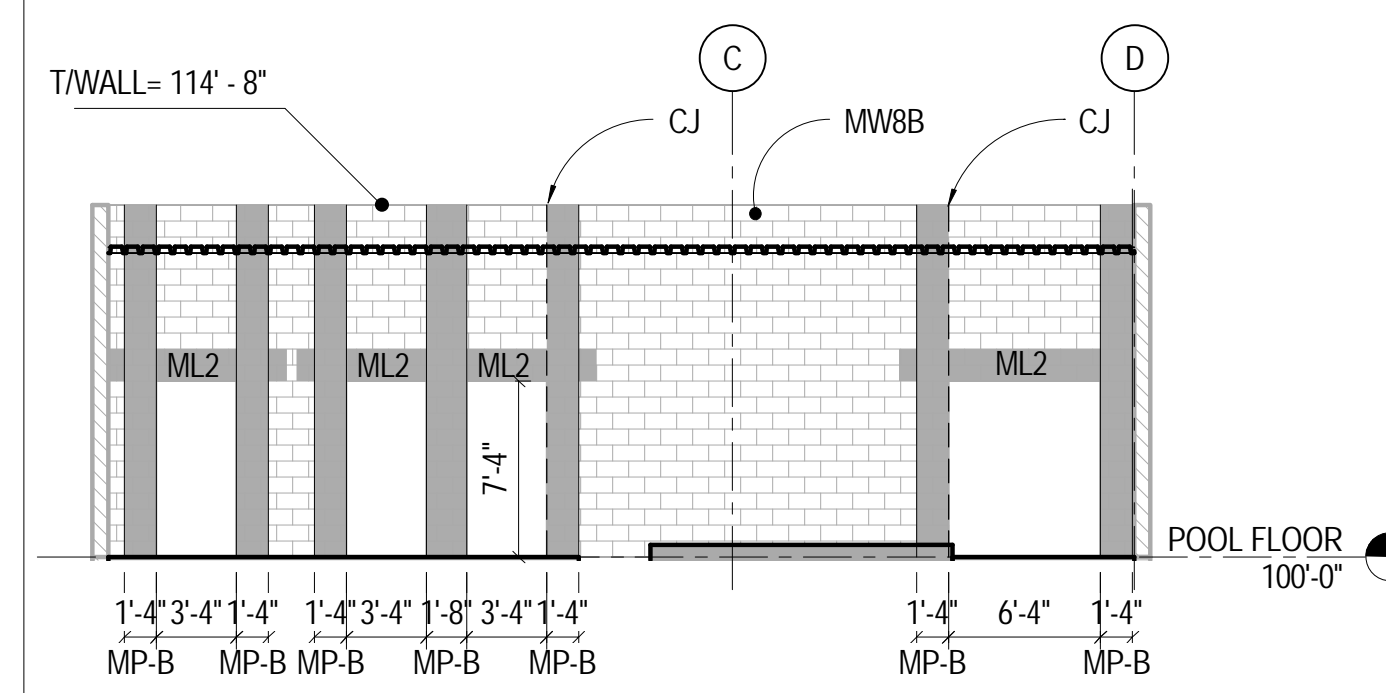
19 1/8" = 1'-0" LOCKER WALL



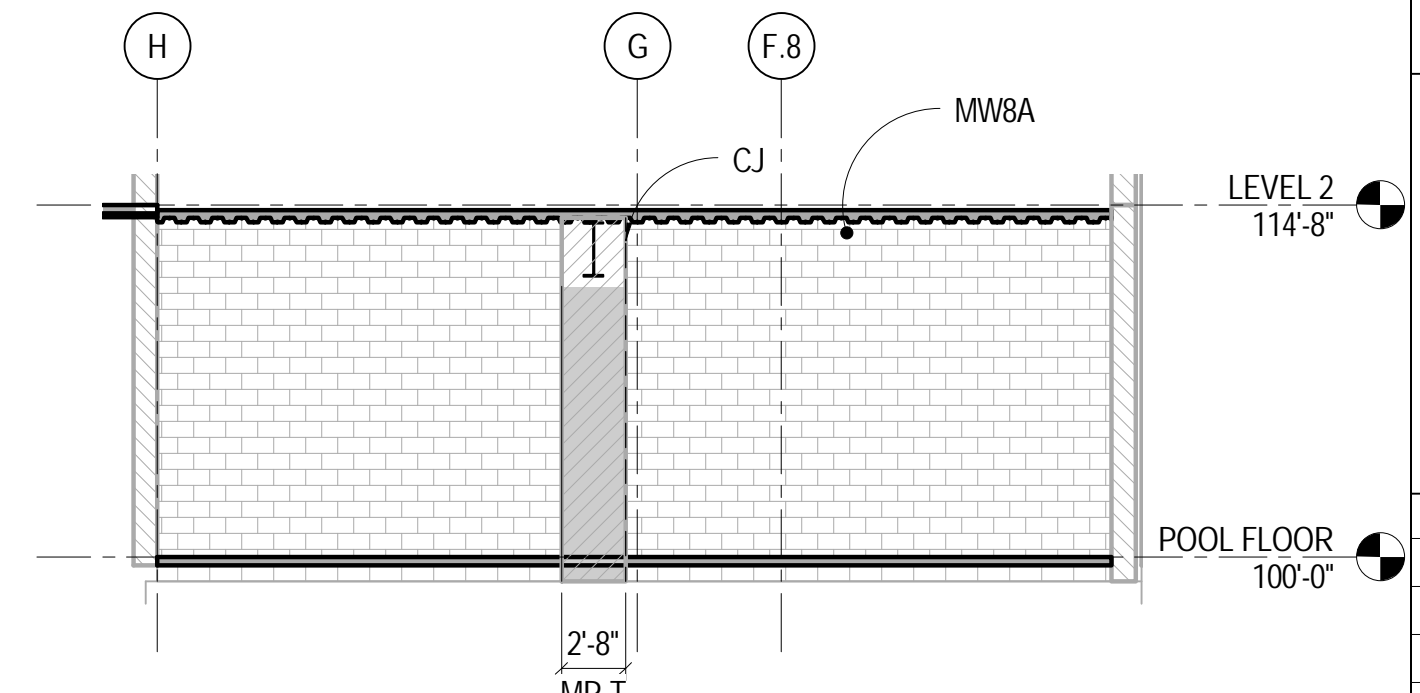
15 1/8" = 1'-0" VESTIBULE SOUTH



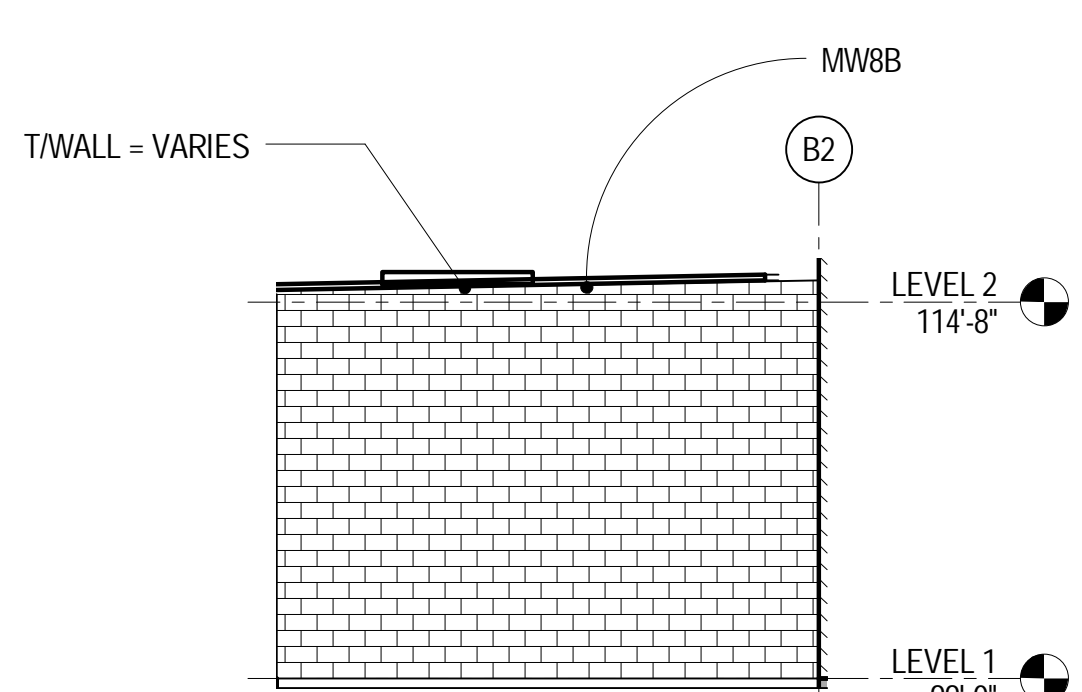
11 1/8" = 1'-0" LIFEGUARD - SOUTH WALL



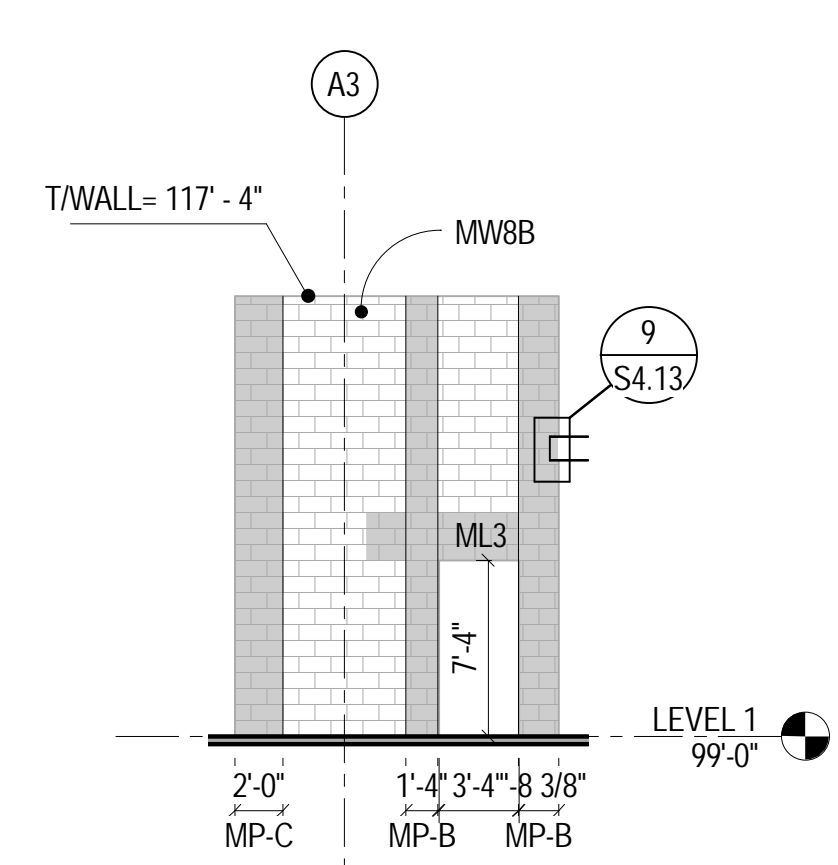
7 1/8" = 1'-0" POOL MECH - EAST WALL



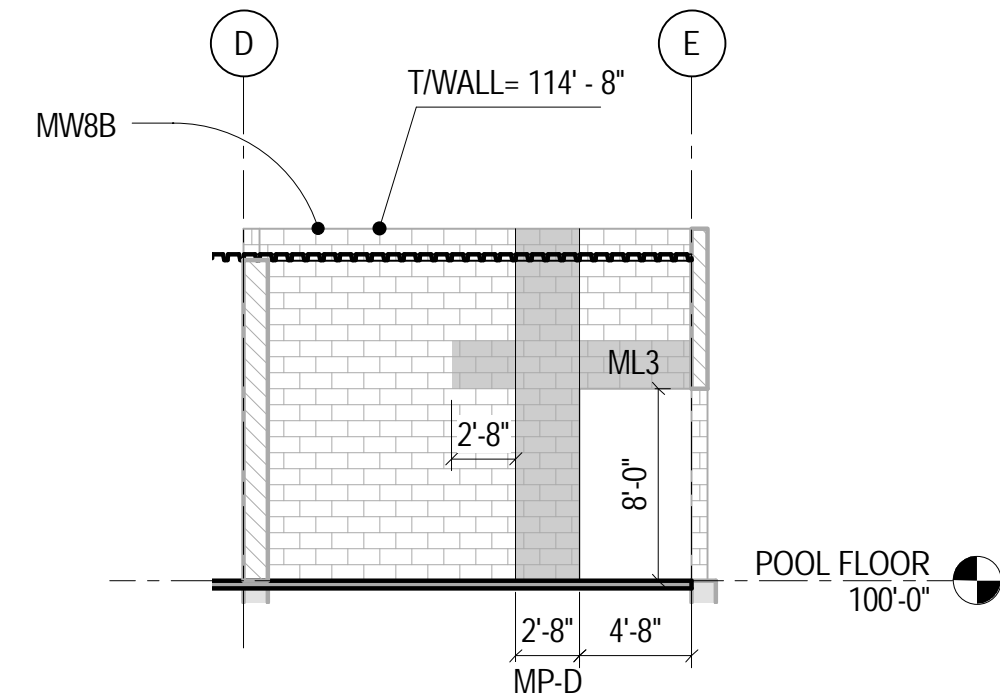
3 1/8" = 1'-0" WALL - LOCKERS WEST



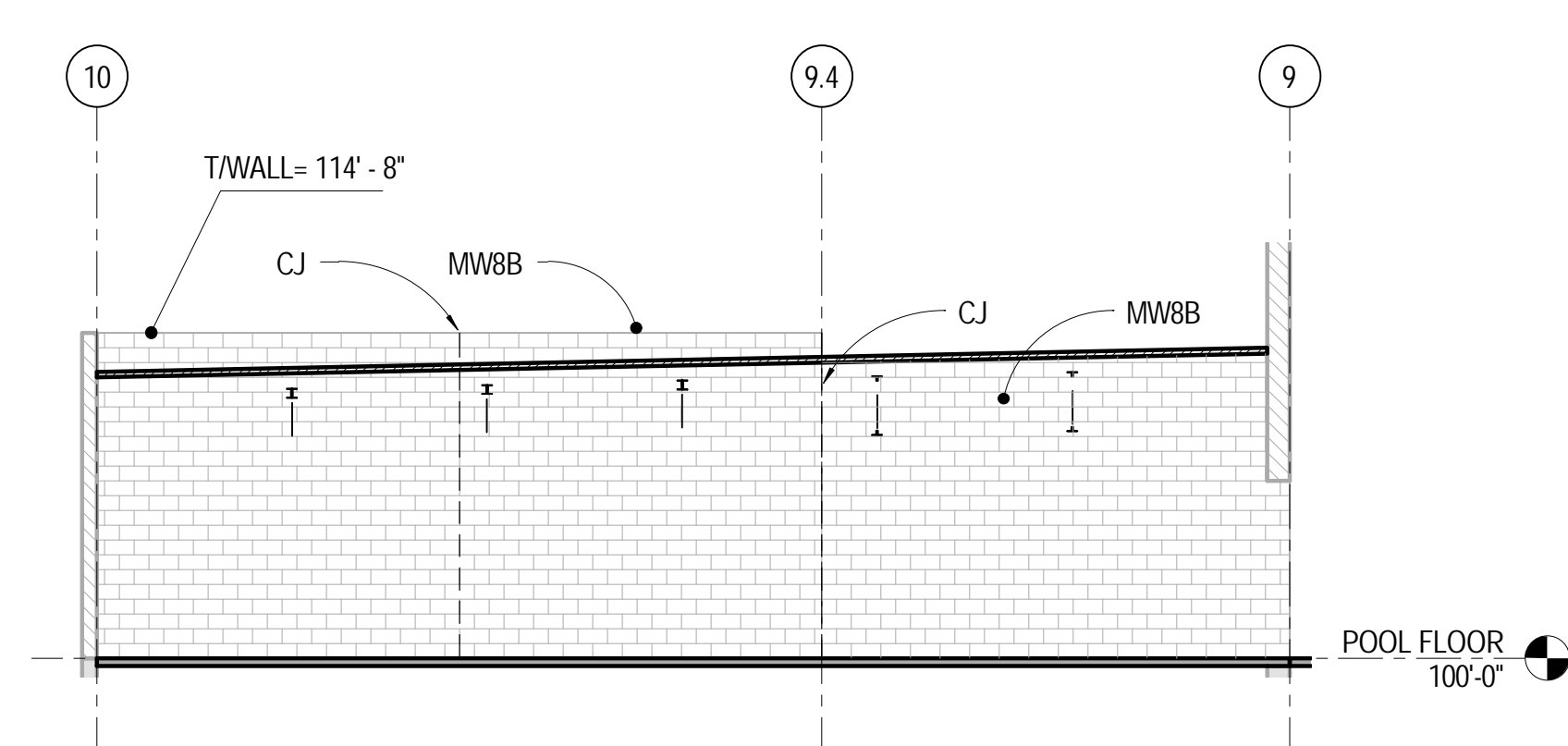
19 1/8" = 1'-0" LOCKER WALL



16 1/8" = 1'-0" CATERING STORAGE



12 1/8" = 1'-0" LIFEGUARD - EAST WALL



8 1/8" = 1'-0" POOL MECH - SOUTH WALL

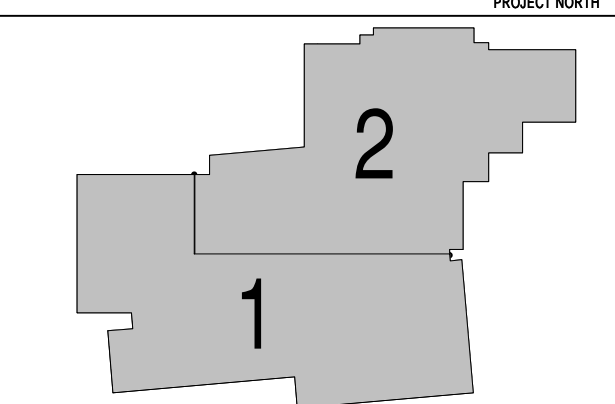


SINK COMBS DETHLEFS
Copyright for Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE, P.O. BOX 105, LAKWOOD, COLORADO 80116

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

M/M Project No.: 21468.S.01

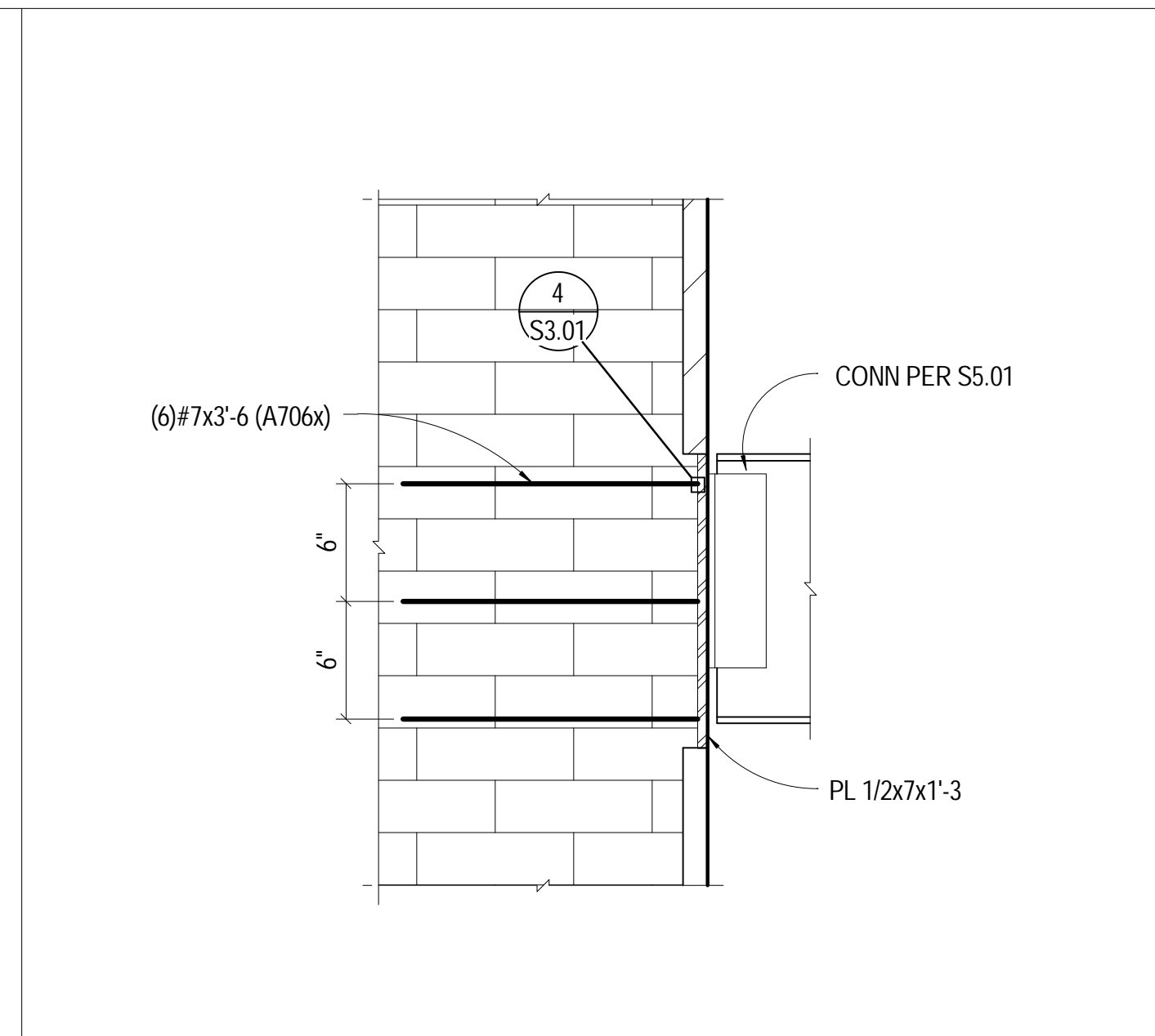
MASONRY WALL ELEVATIONS

Drawn By: DE, LB
Checked By: BN, GS

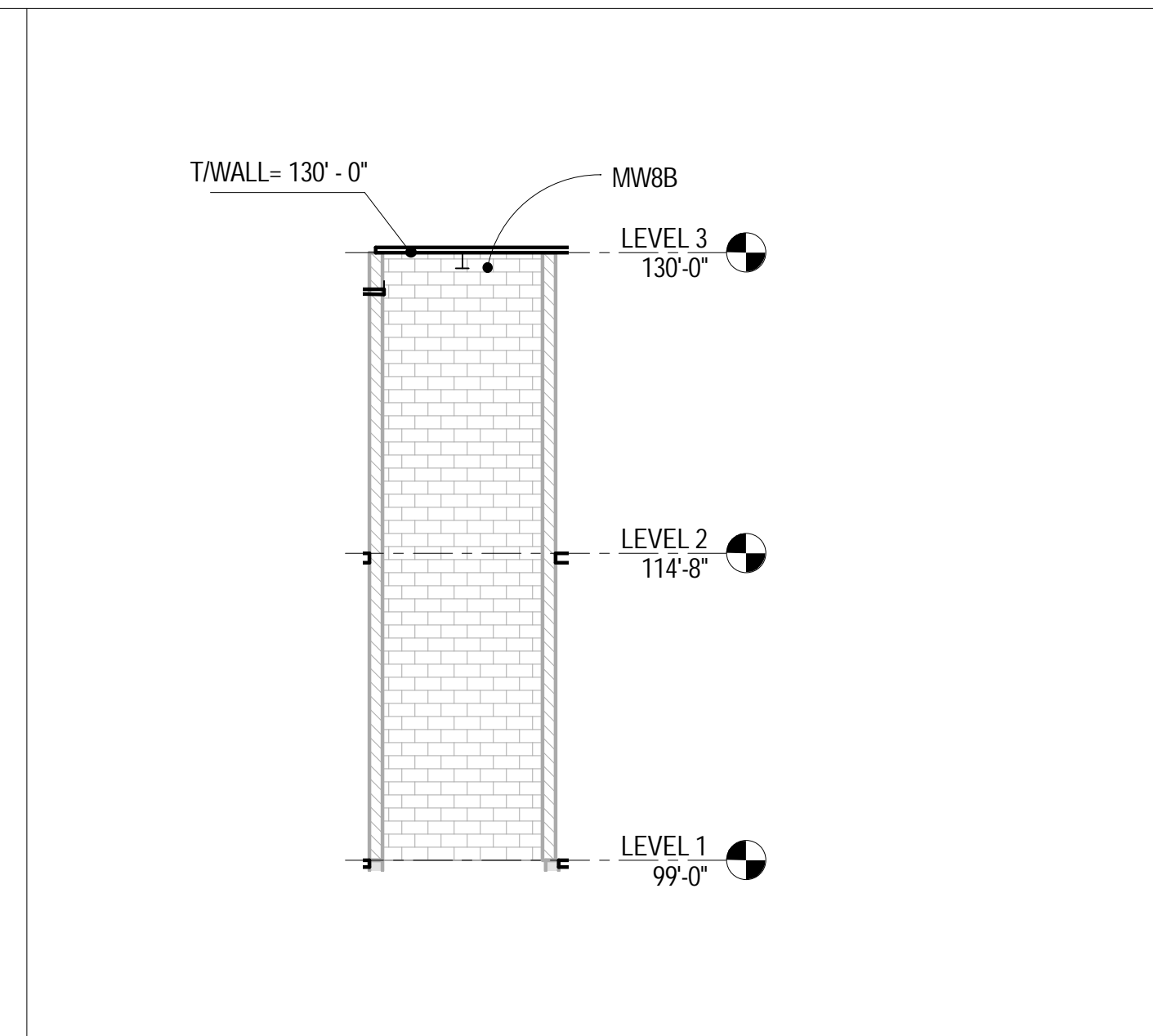
S4.12

\\Structur\PROJECTS\21468_01\Rev\21468.S.01
Fruita Rec.mt

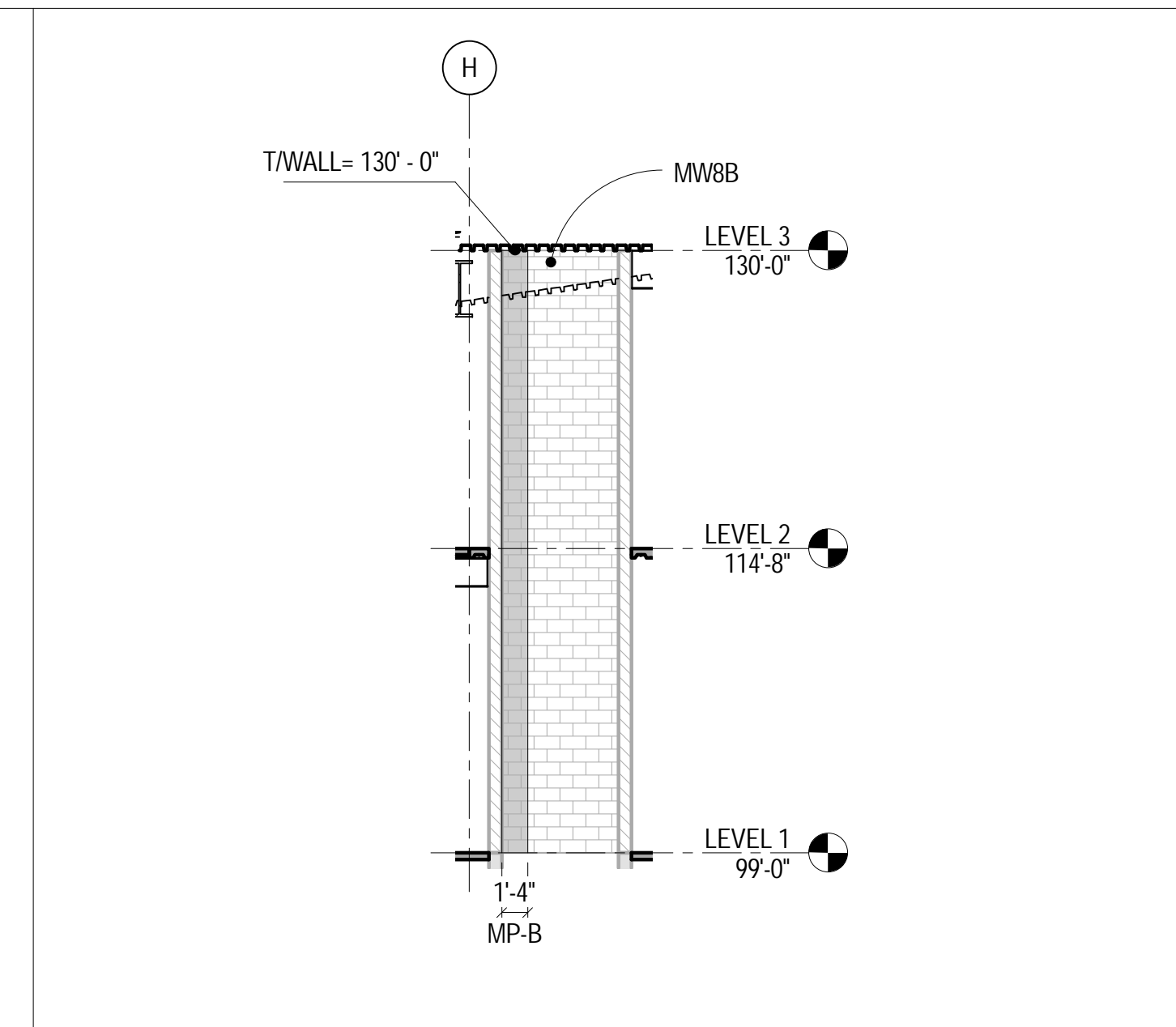
MM JOB #: 21468.S.01
DESIGNERS: GARTH SCHOL
PRINCIPAL: BEN NELSON
FOR: BEN NELSON
PROJECT MANAGER: GARTH SCHOL
DATE PRINTED: 9/22/2009 8:34:58 AM



9 1 1/2" = 1'-0" EMBED PLATE AT END OF MAS WALL



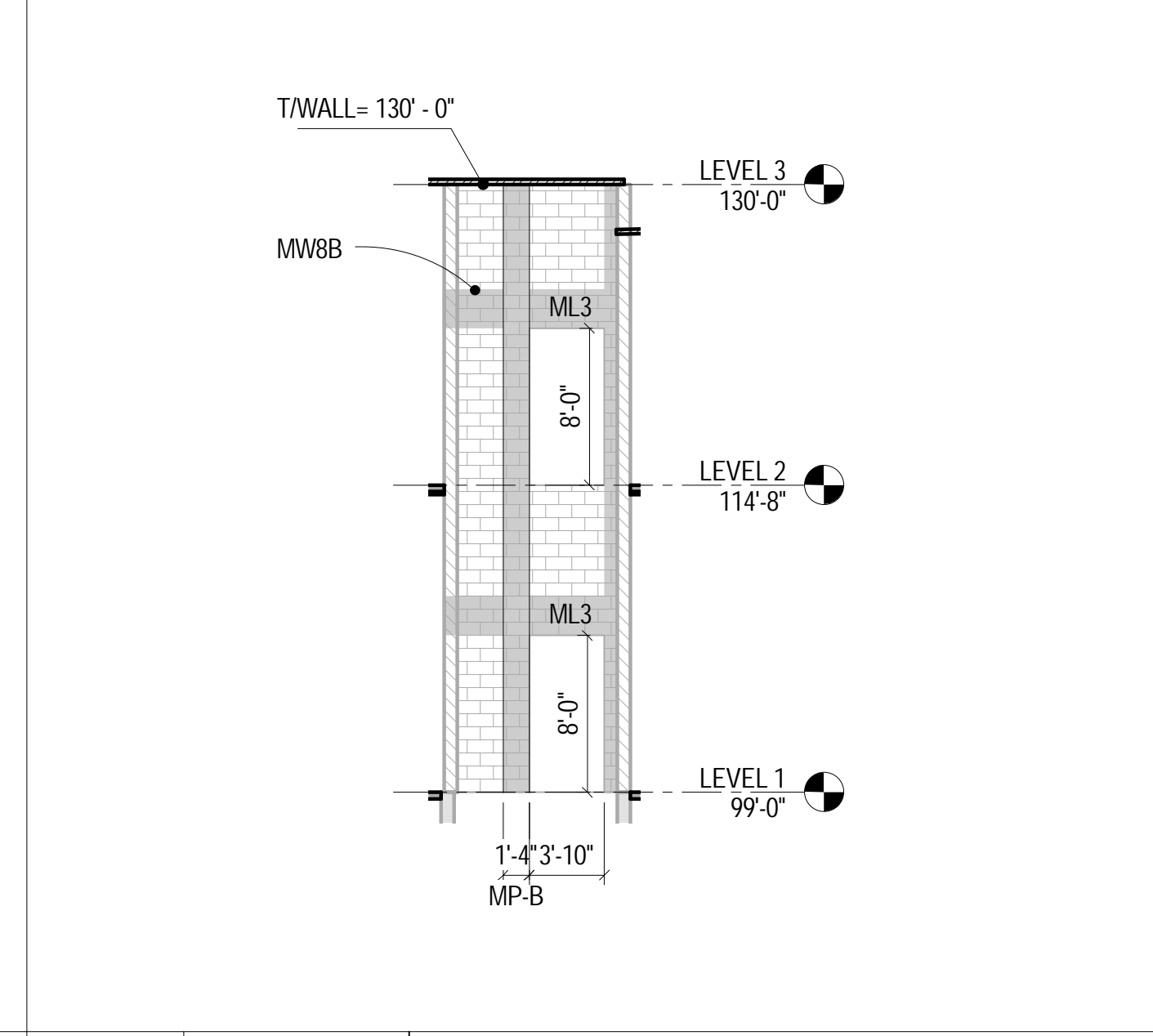
5 1/8" = 1'-0" ELEV - NORTH



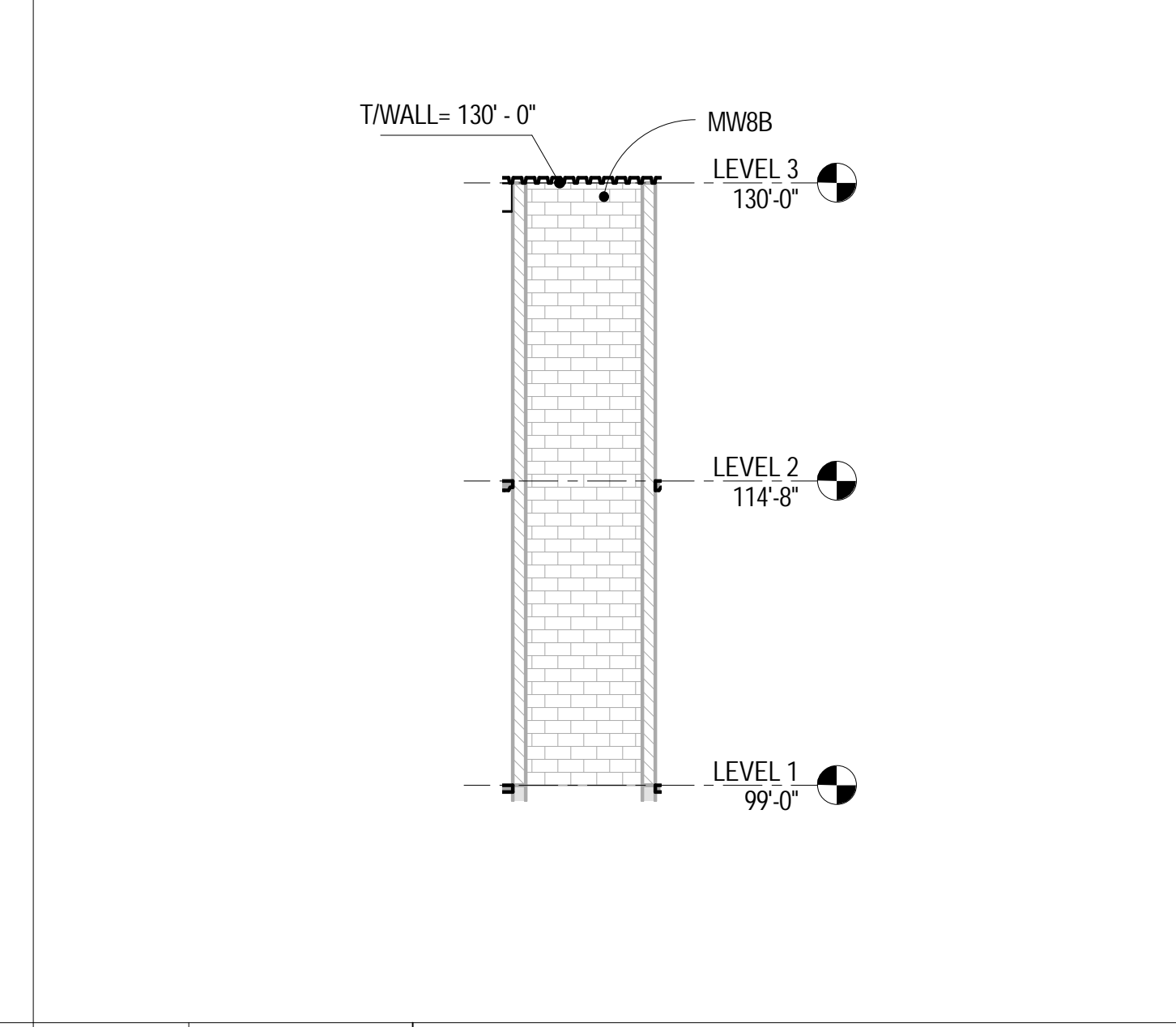
1 1/8" = 1'-0" ELEV WEST



6 1/8" = 1'-0" ELEV - SOUTH



2 1/8" = 1'-0" ELEV - EAST



3 1/8" = 1'-0" STAIR DIVIDER

All information appearing herein shall not be duplicated, recharged or otherwise used without the written consent of Sink Combs Dethlefs.

SINK COMBS DETHLEFS
Copyright for Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.368.0201
303.368.0222
FAX 303.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE
P.O. BOX 163800
LAKWOOD, COLORADO 80116
303.431.6100
FAX 303.431.6886

KEY PLAN

Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

M/M Project No.: 21468.S.01

MASONRY WALL ELEVATIONS

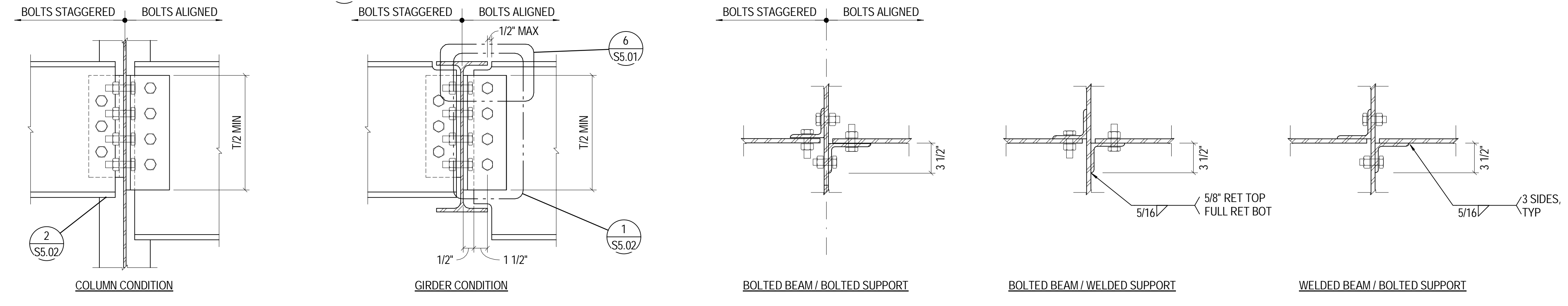
Drawn By: DE, LB
Checked By: BN, GS

S4.13

3/4"Ø A325 SINGLE ANGLE CONNECTION SCHEDULE - MAX REACTION (KIPS) - SERVICE LEVEL

COPE CONDITION	UNCOPE									COPE LENGTH ≤ 4"									COPE LENGTH ≤ 5 1/4"									COPE LENGTH ≤ 6 1/8"									COPE LENGTH ≤ 8"								
	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	9	10
W8	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
W10	12-19	12-19	12-19	12-19	12-19	12-19	12-19	12-19	12-19	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W12	14-22	14-22	14-22	14-22	14-22	14-22	14-22	14-22	14-22	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W14	16-24	16-24	16-24	16-24	16-24	16-24	16-24	16-24	16-24	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W16	18-27	18-27	18-27	18-27	18-27	18-27	18-27	18-27	18-27	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W18	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W21	24-36	24-36	24-36	24-36	24-36	24-36	24-36	24-36	24-36	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W24 TO W44	28-42	28-42	28-42	28-42	28-42	28-42	28-42	28-42	28-42	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

NOTES:
1. # INDICATES WEB REINFORCEMENT READ TO ACHIEVE NOTED CAPACITY. SEE S5.01



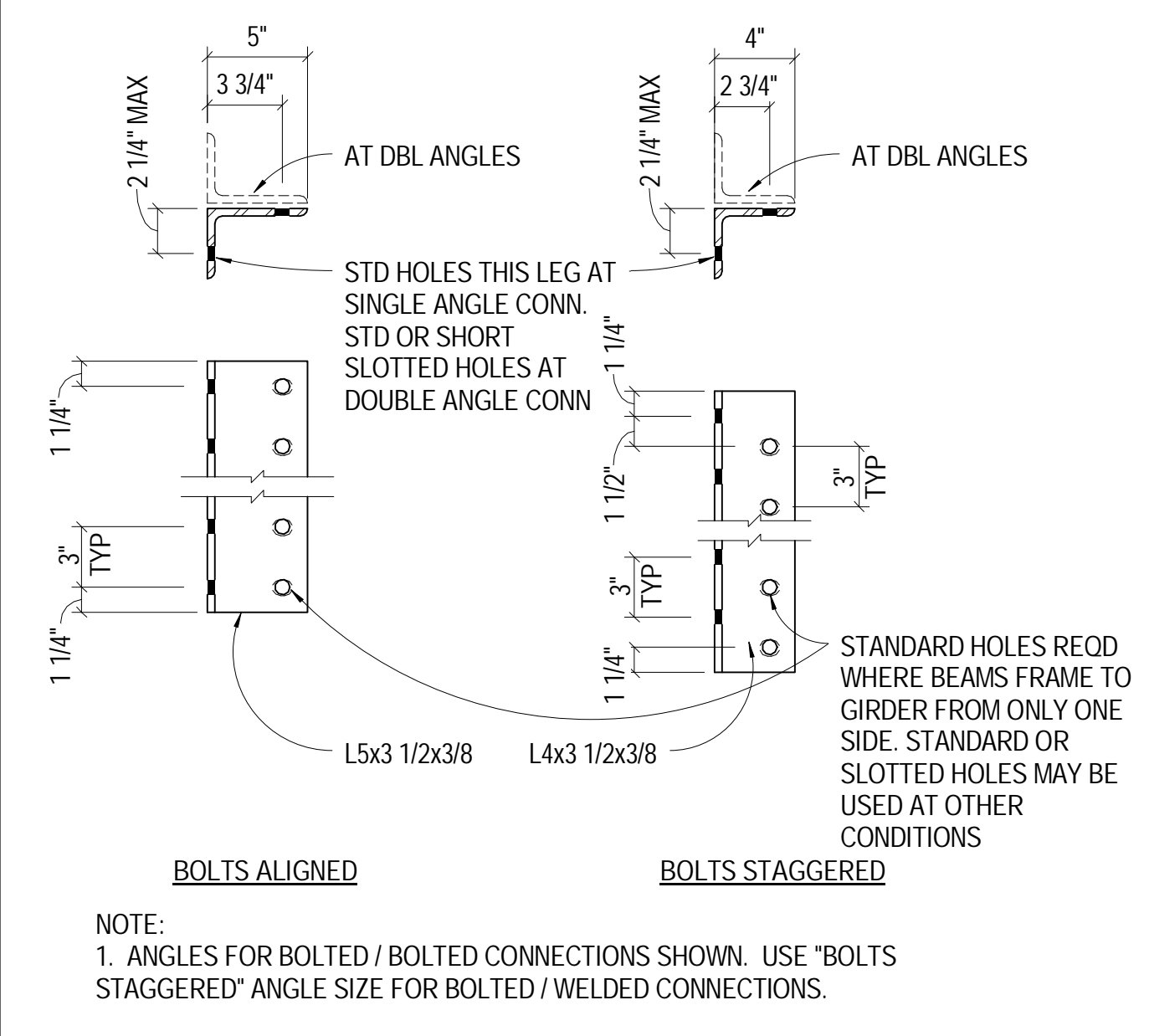
18 NO SCALE TYP BM SINGLE ANGLE CONNECTION SCHEDULE

3/4"Ø A325 DOUBLE ANGLE CONNECTION SCHEDULE - MAX REACTION (KIPS) - SERVICE LEVEL

COPE CONDITION	UNCOPE									COPE LENGTH ≤ 4"									COPE LENGTH ≤ 5 1/4"									COPE LENGTH ≤ 6 1/8"									COPE LENGTH ≤ 8"								
	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	9	10
W8	19	19	19	19	19	19	19	19	19	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
W10	22	22	22	22	22	22	22	22	22	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W12	23	23	23	23	23	23	23	23	23	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W14	24	24	24	24	24	24	24	24	24	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W16	25	25	25	25	25	25	25	25	25	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W18	26	26	26	26	26	26	26	26	26	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W21	27	27	27	27	27	27	27	27	27	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W24	28	28	28	28	28	28	28	28	28	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W27	29	29	29	29	29	29	29	29	29	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W30	30	30	30	30	30	30	30	30	30	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W33	31	31	31	31	31	31	31	31	31	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W36	32	32	32	32	32	32	32	32	32	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W40	33	33	33	33	33	33	33	33	33	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
W44	34	34	34	34	34	34	34	34	34	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

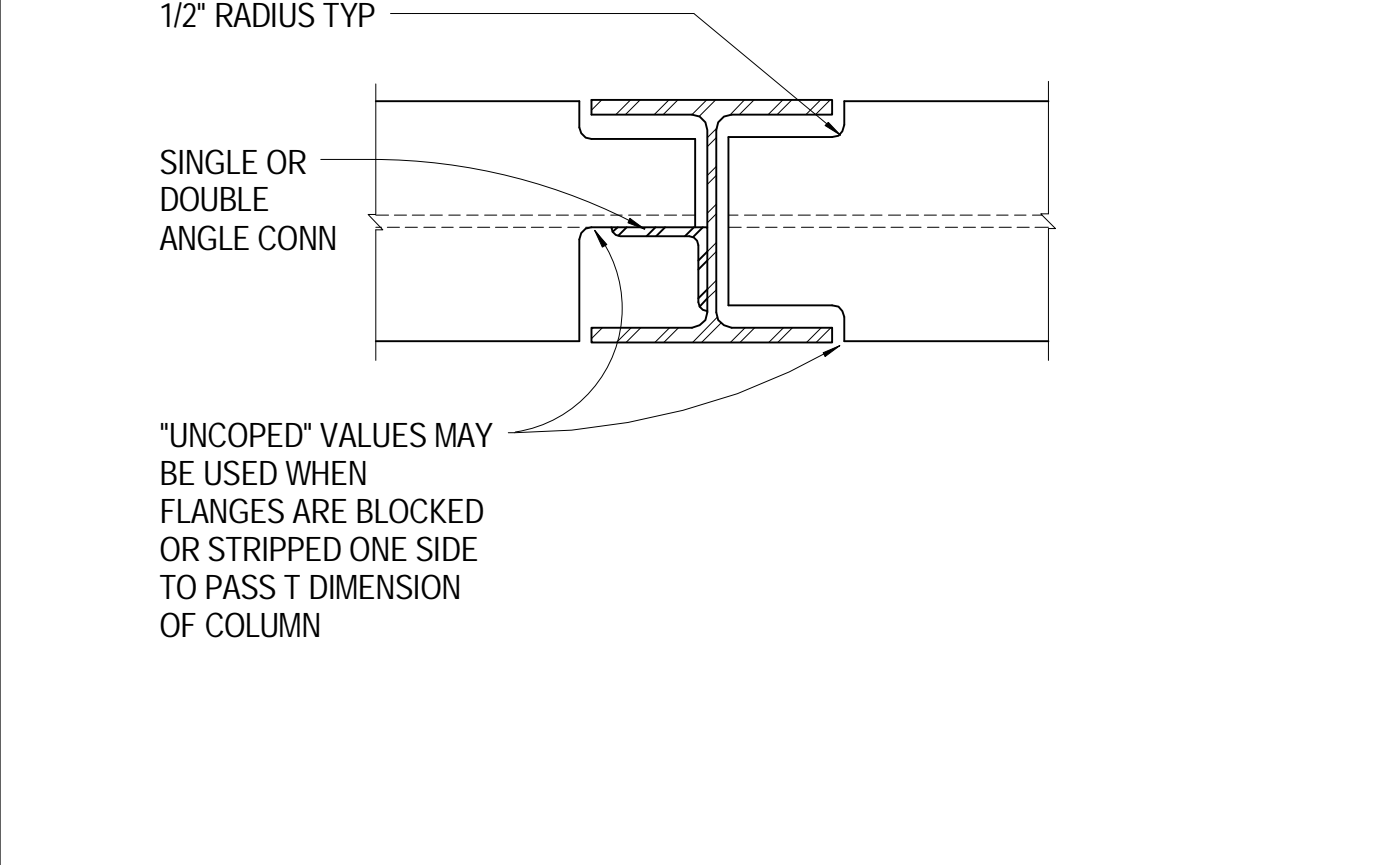
NOTES:
1. # INDICATES WEB REINFORCEMENT READ TO ACHIEVE NOTED CAPACITY. SEE S5.01

20 NO SCALE TYP BM DOUBLE ANGLE CONNECTION SCHEDULE

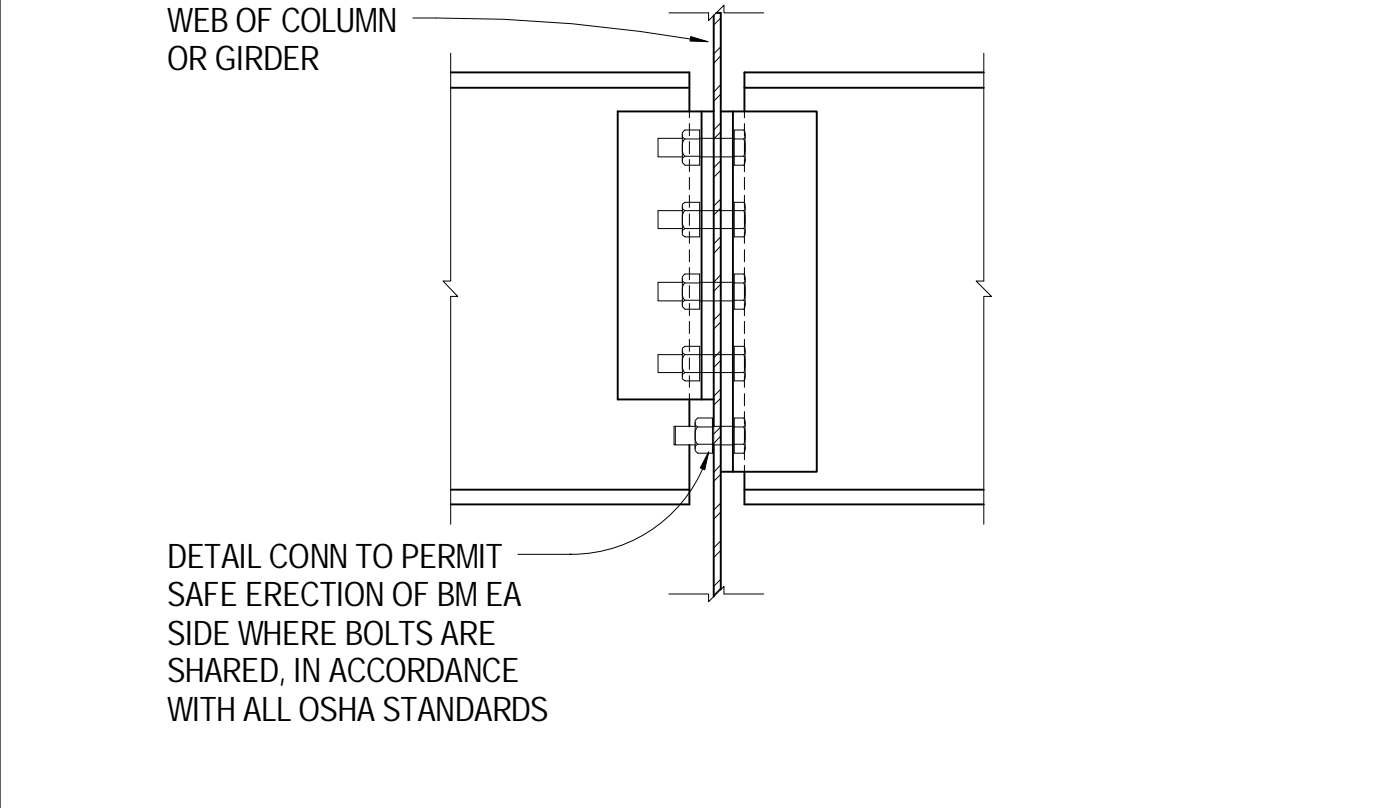


NOTE:
1. ANGLES FOR BOLTED / BOLTED CONNECTIONS SHOWN. USE "BOLTS STAGGERED" ANGLE SIZE FOR BOLTED / WELDED CONNECTIONS.

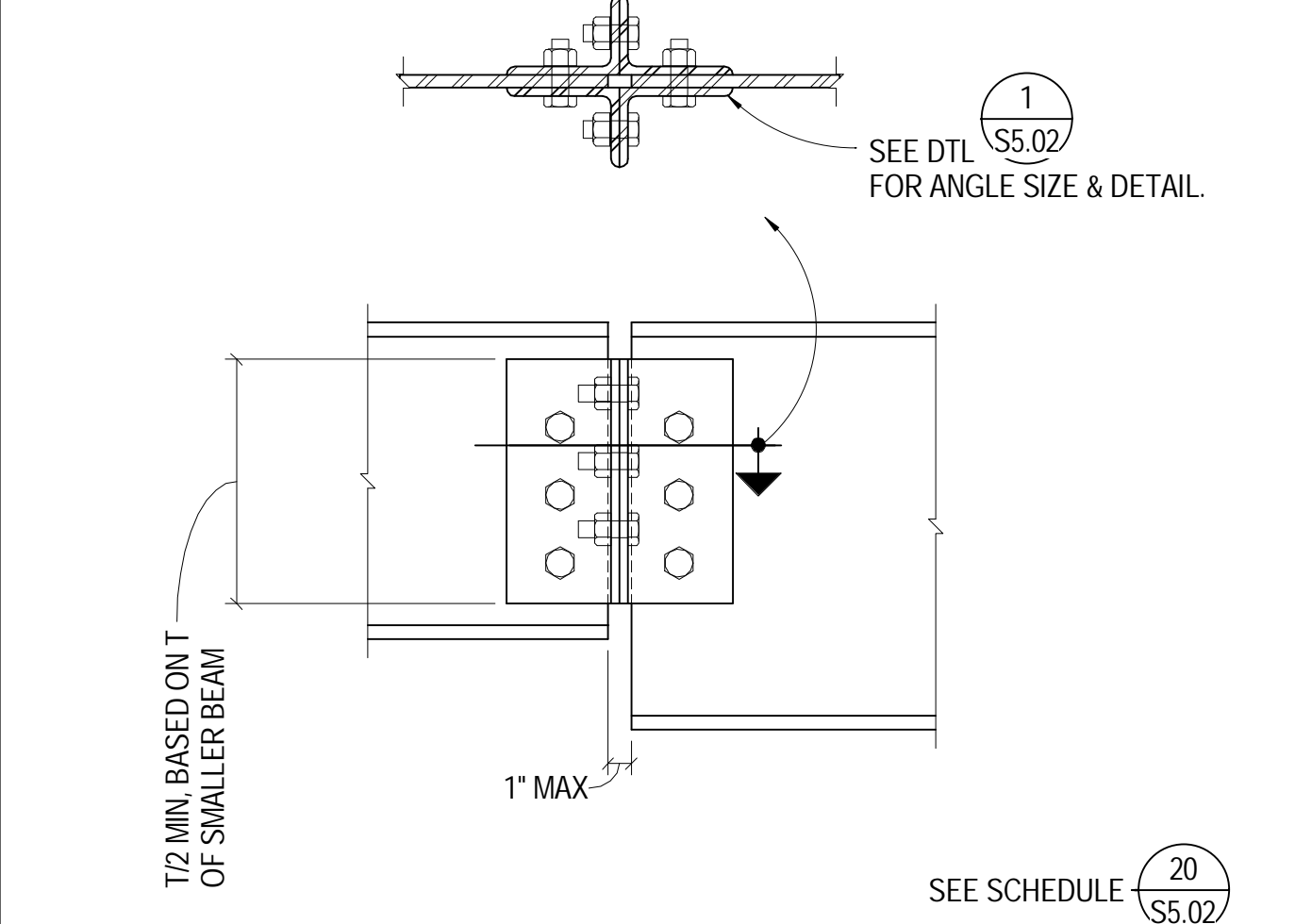
1 NO SCALE TYP BM ANGLES



2 NO SCALE TYP BM FLANGE BLOCK



3 NO SCALE TYP BM TWO-SIDED CONNECTIONS



4 NO SCALE TYP BM DBL ANGLE SPLICE

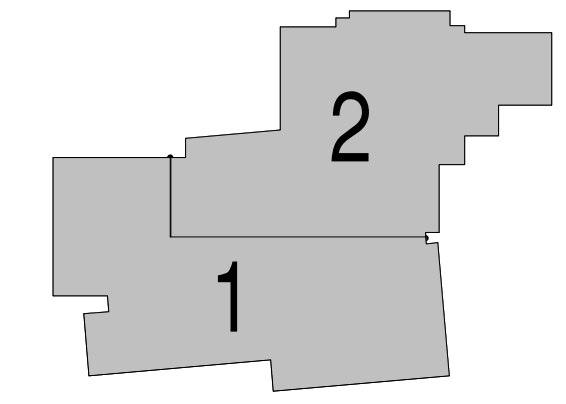


SINK COMBS DETHLEFS
475 Lincoln Street, Suite 100, Denver, Colorado 80203

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE, P.O. BOX 18500, LAKWOOD, COLORADO 80128

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

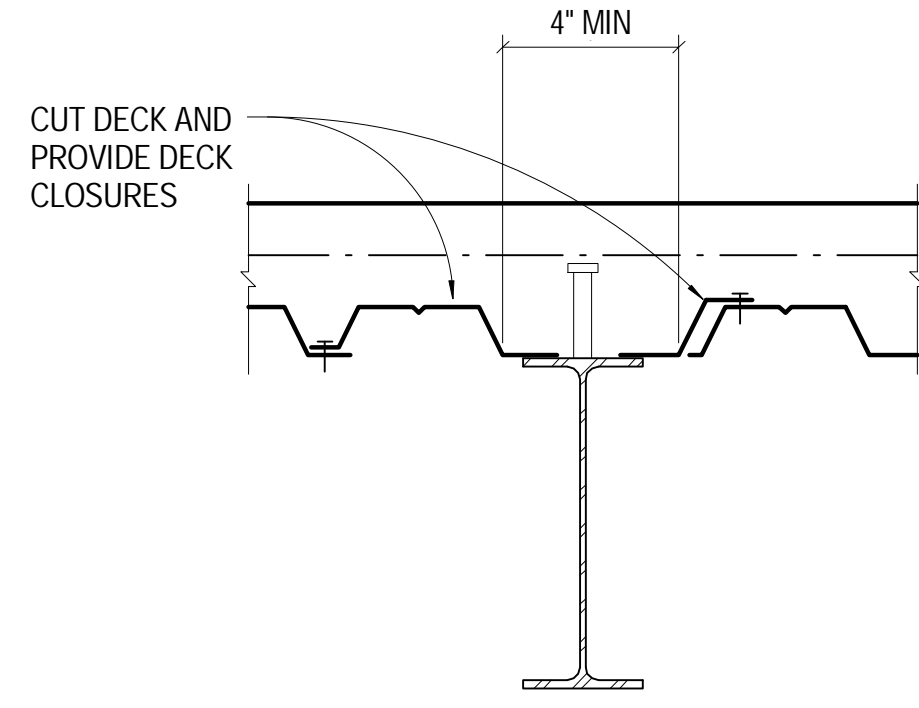
FRUITA COLORADO

M/M Project No.: 21468.S.01

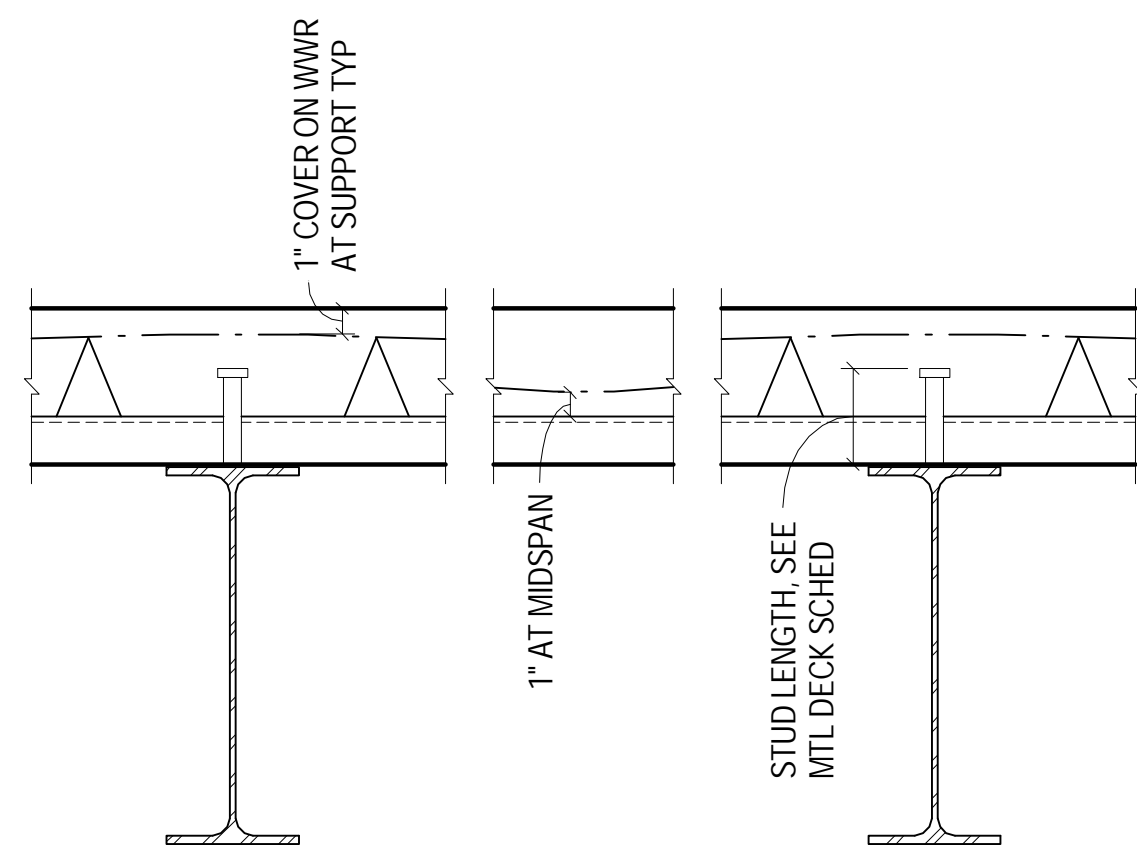
STEEL DETAILS

Drawn By: DE, LB
Checked By: BN, GS

S5.02

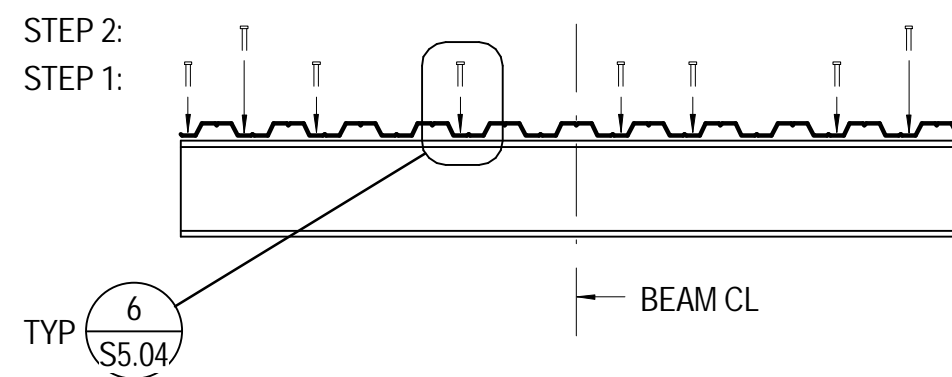


17 NO SCALE TYP COMPOSITE BM PARALLEL TO DECK

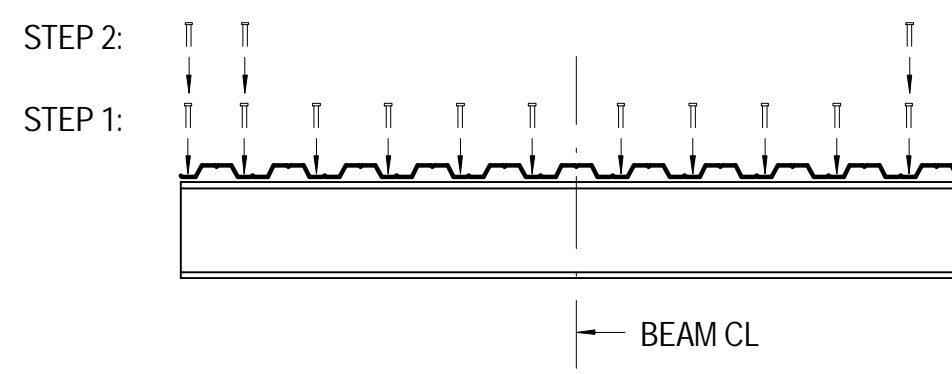


13 NO SCALE TYP COMPOSITE BEAM

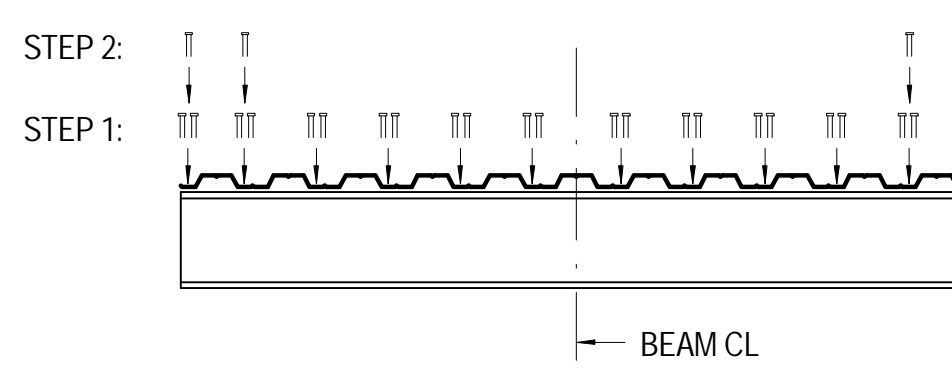
CASE 1: # STUDS = # RIBS
STEP 1 = ONE STUD EVERY OTHER RIB
STEP 2 = 1/2 OF REMAINING STUDS AT EACH END OF BEAM, PLACE IN EMPTY RIBS STARTING FROM THE BEAM END



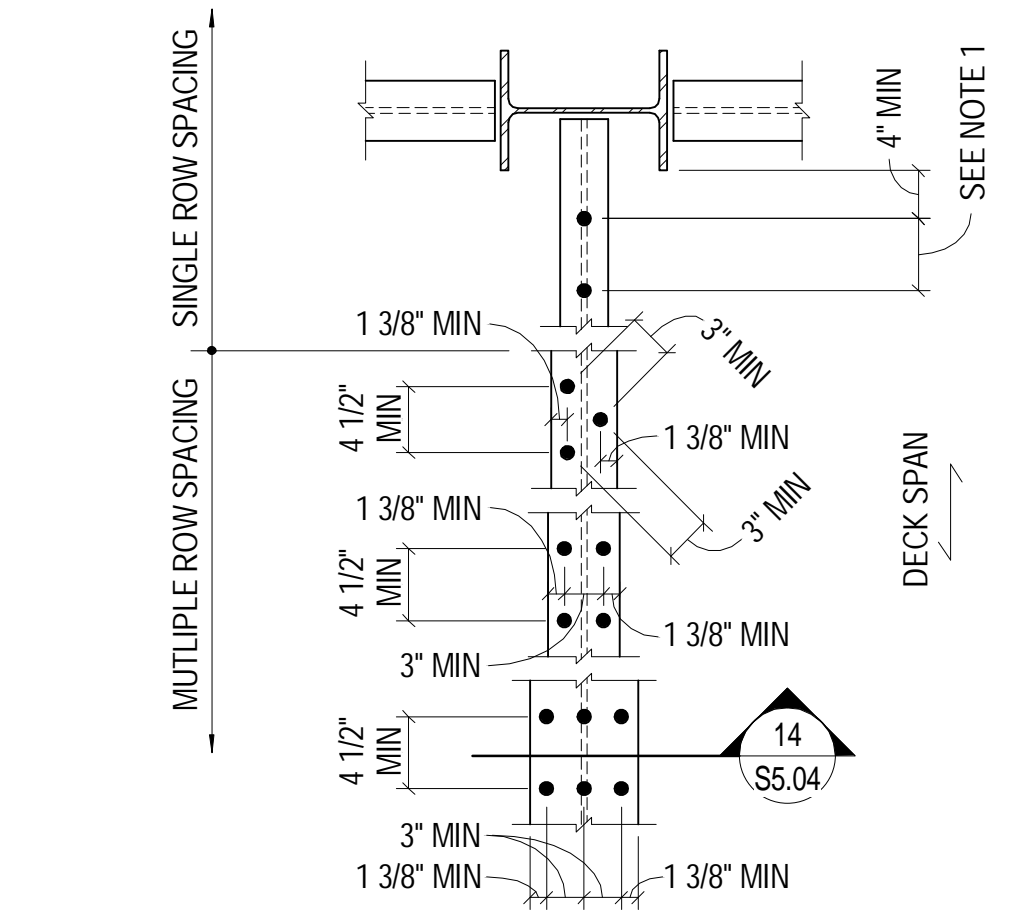
CASE 2: # RIBS < # STUDS < 2x # RIBS
STEP 1 = ONE STUD EVERY RIB
STEP 2 = 1/2 OF REMAINING STUDS AT EACH END OF BEAM, PLACE ONE IN EACH RIB STARTING FROM THE BEAM END



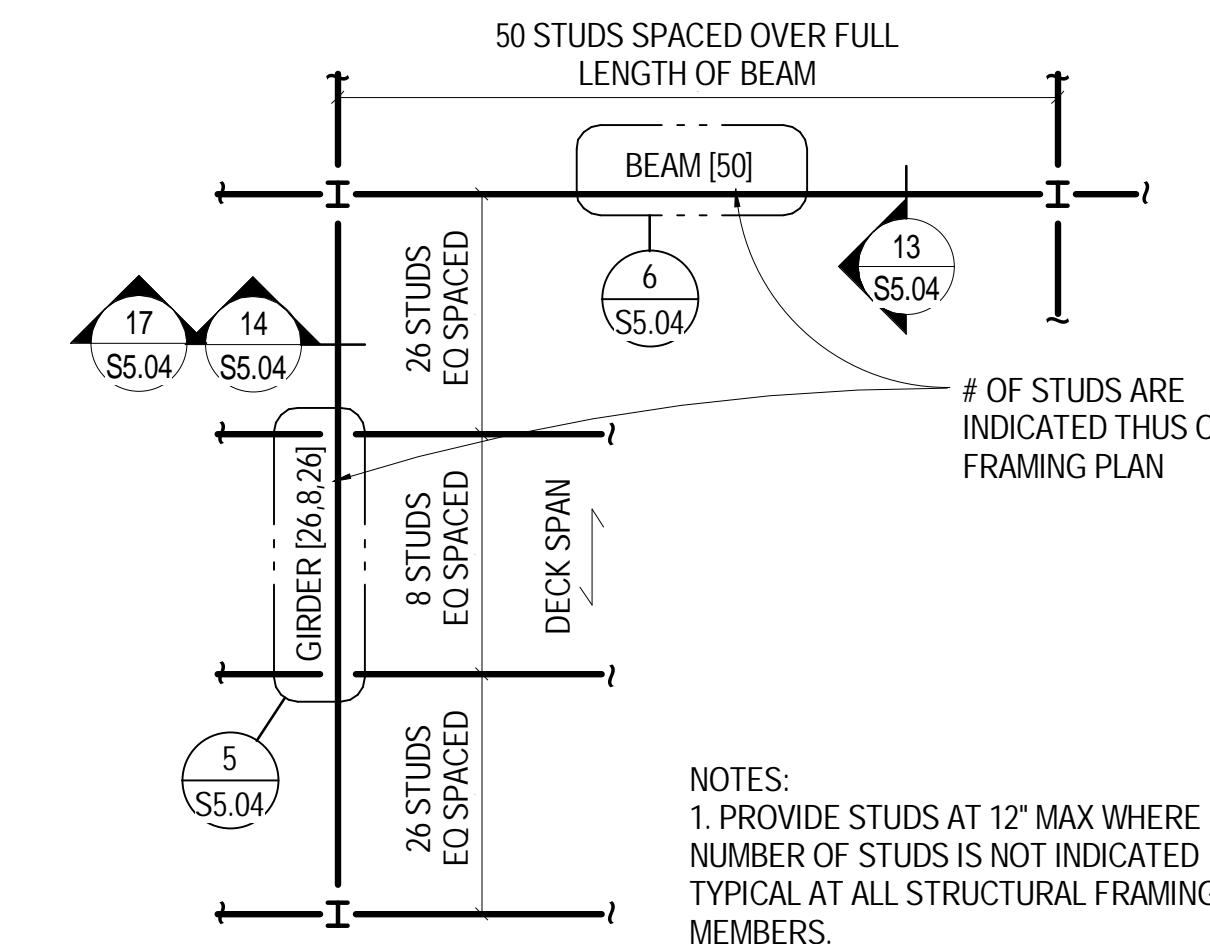
CASE 3: # STUDS > 2x # RIBS
STEP 1 = TWO STUDS EVERY RIB
STEP 2 = 1/2 OF REMAINING STUDS AT EACH END OF BEAM, PLACE ONE IN EACH RIB STARTING FROM THE BEAM END



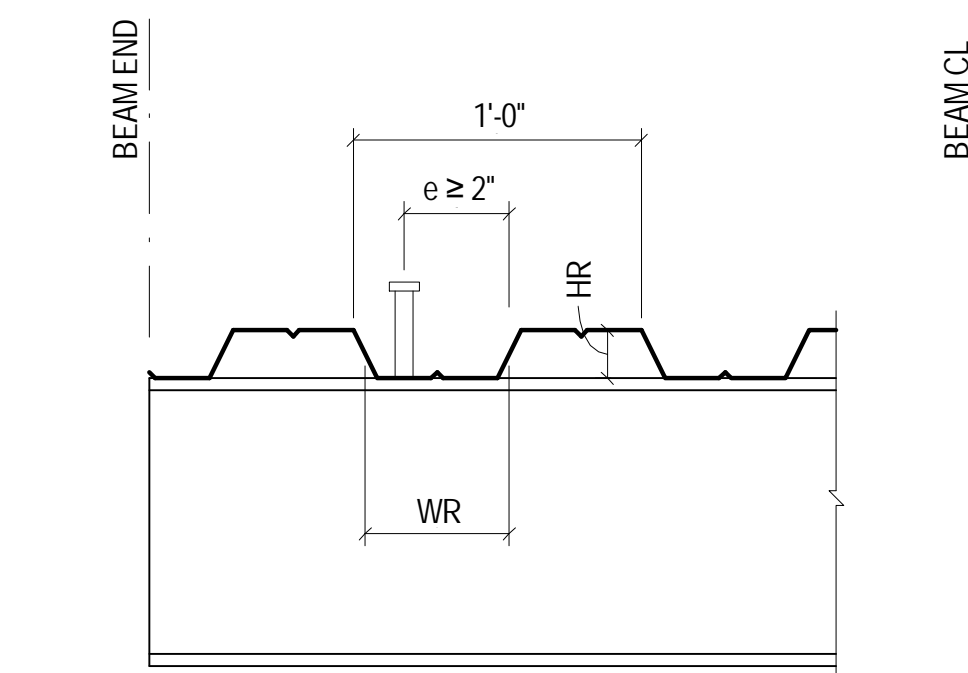
10 NO SCALE STUD LAYOUT - DECK PERP CONDITIONS



5 NO SCALE TYP SHEAR STUD SPACING AND LAYOUT - DECK PARALLEL

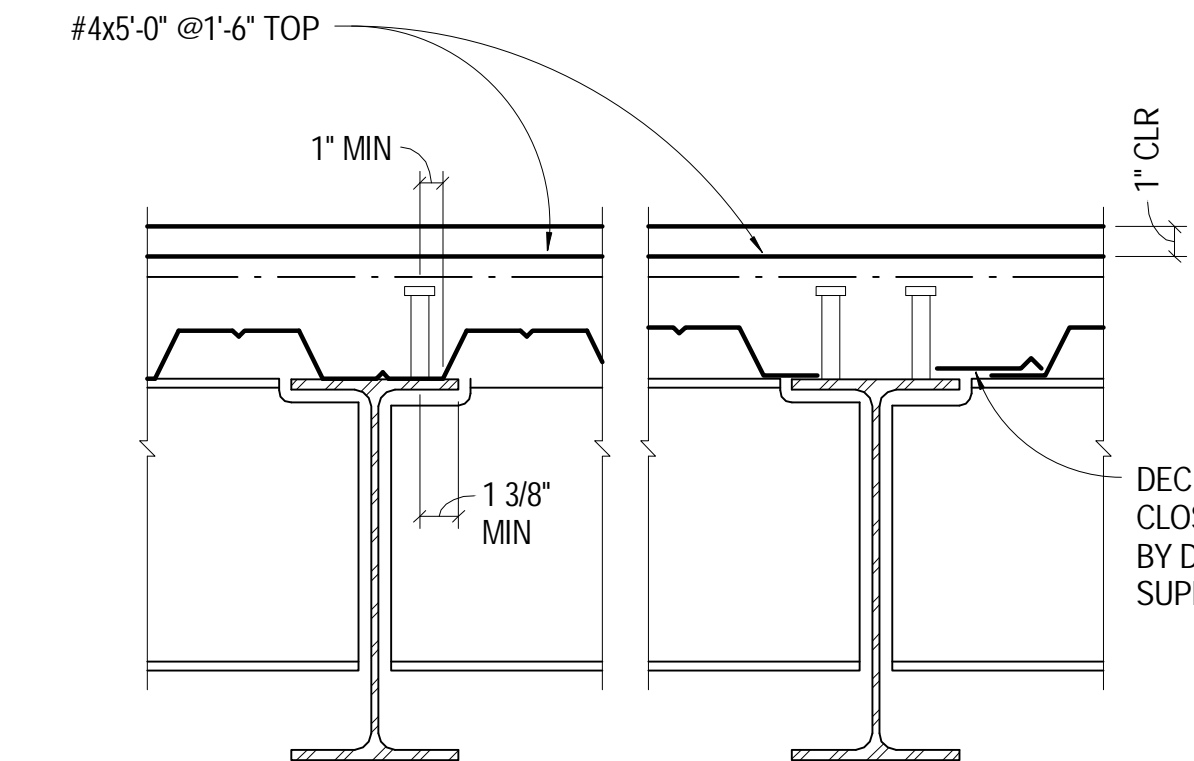


1 NO SCALE TYP SHEAR STUD LAYOUT

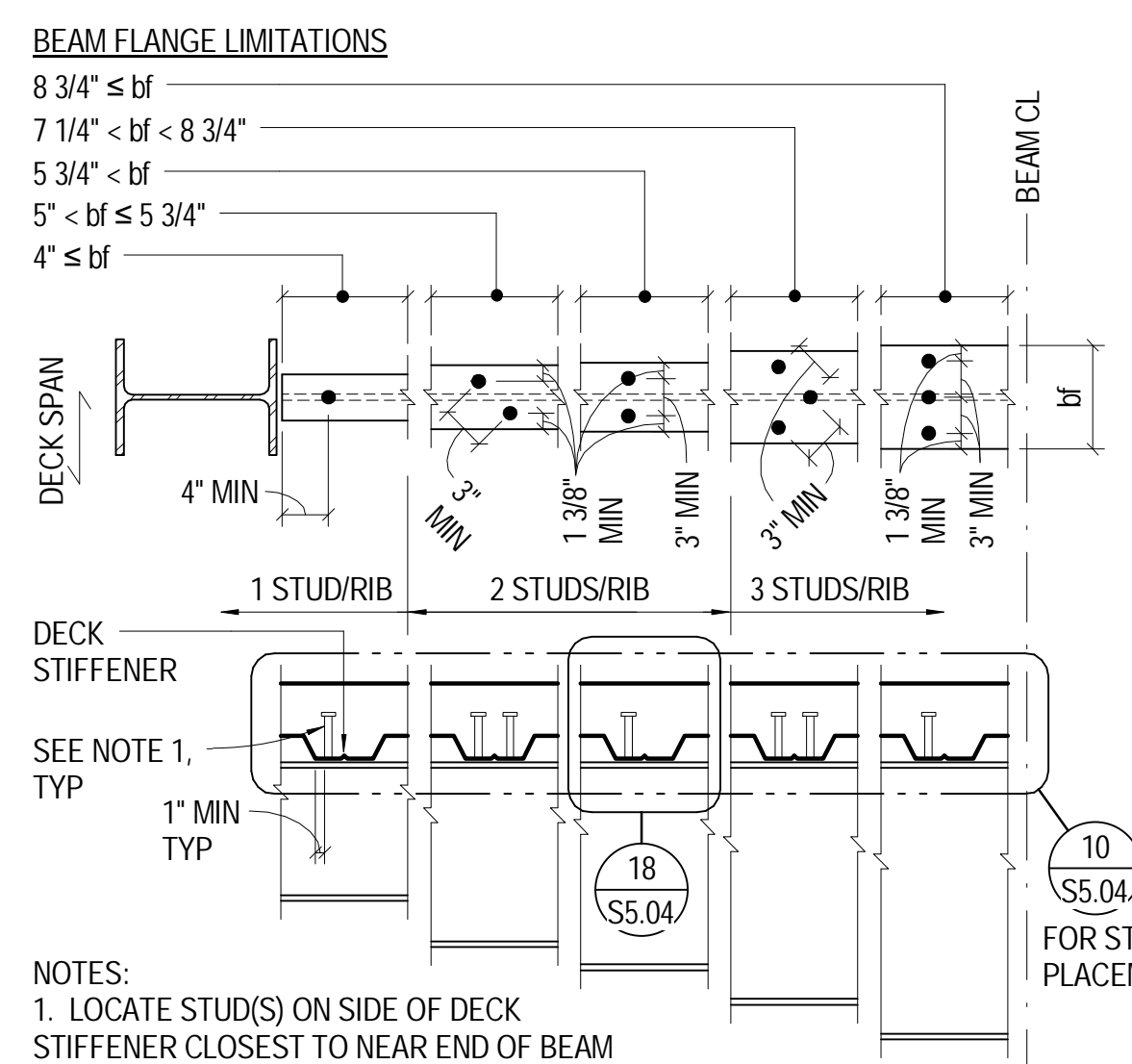


NOTES:
1. COMPOSITE METAL DECK SPECIFIED IS MANUFACTURED BY VULCRAFT. ALTERNATE COMPOSITE METAL DECK MAY BE SUPPLIED PROVIDED WR/HR ≥ 1.5 AND MINIMUM DECK PROPERTIES ARE SATISFIED

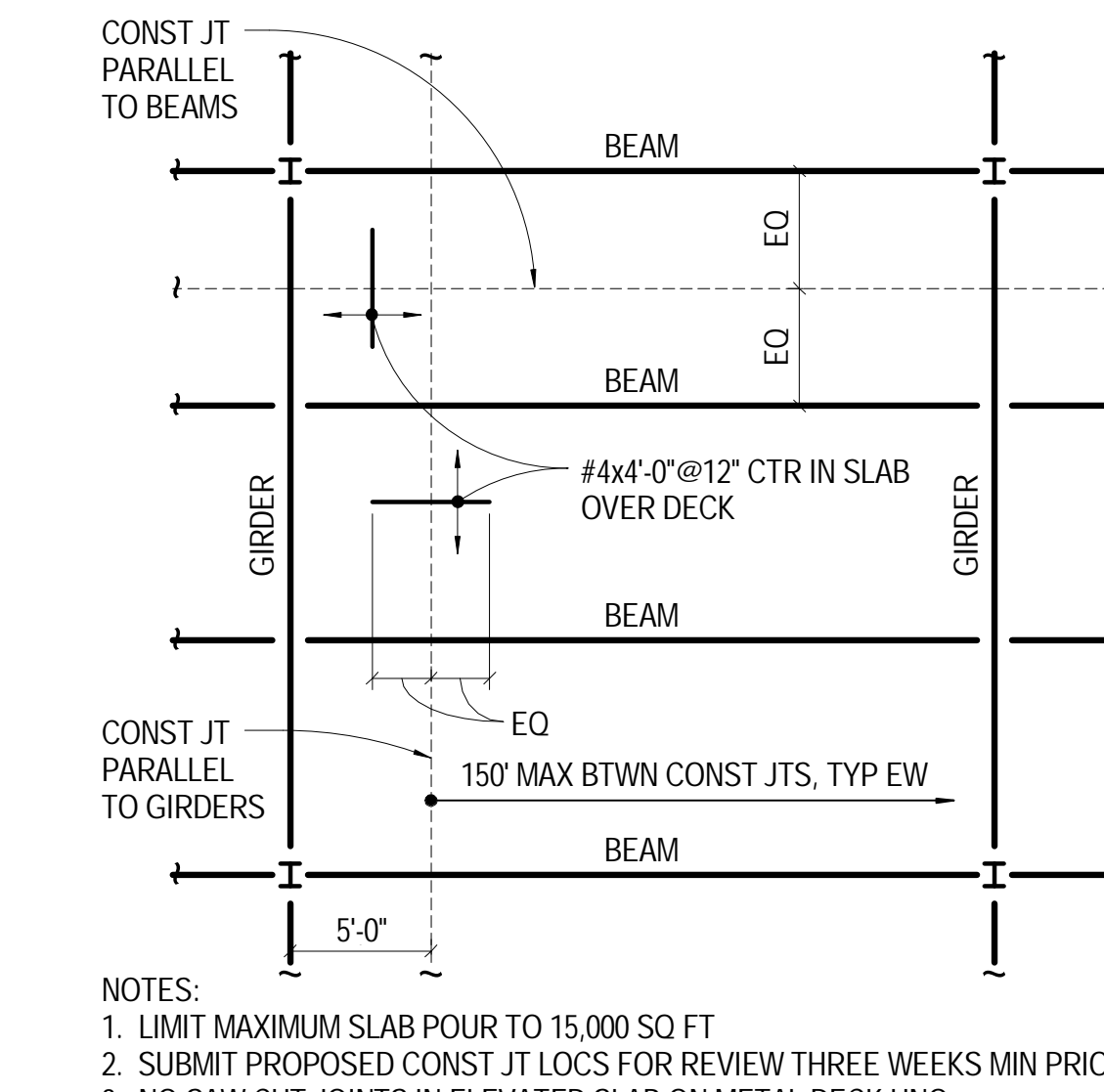
18 NO SCALE METAL DECK GEOMETRY/STUD PLACEMENT



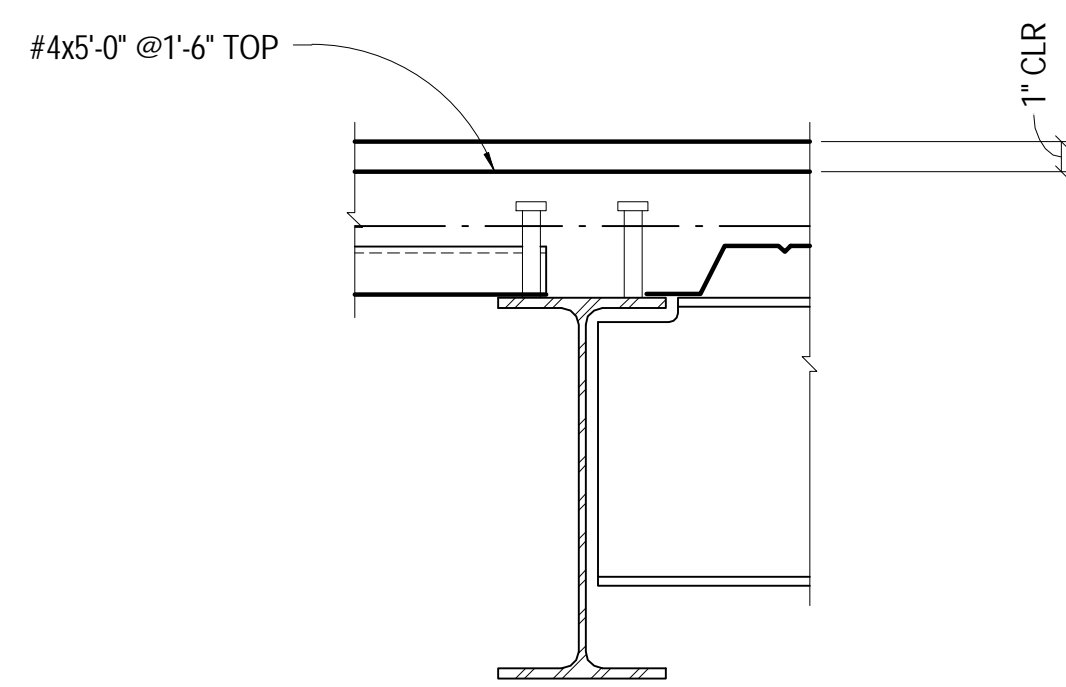
14 NO SCALE TYP COMPOSITE GIRDER



6 NO SCALE TYP SHEAR STUD SPACING AND LAYOUT - DECK PERP



2 NO SCALE TYP SLAB CONST JOINT LOCATIONS

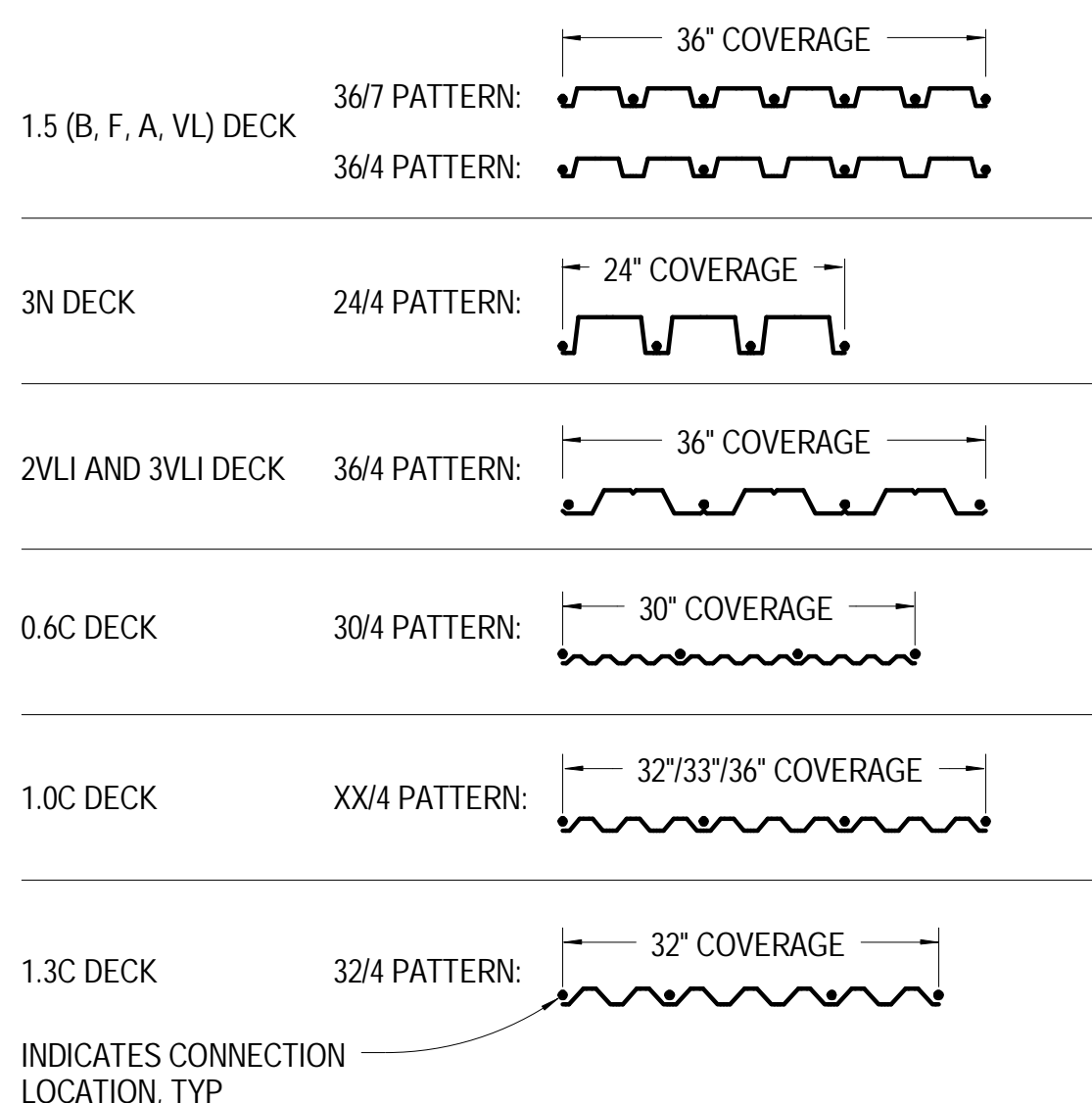


NOTES:
1. SEE DECK PERP DETAIL 6 S5.04 FOR STUD LAYOUT

19 NO SCALE TYP CHANGE IN DECK DIRECTION

METAL DECK PROPERTIES									
DECK TYPE	DECK DEPTH (IN)	DECK GAGE	DECK FY (KSI)	DECK USAGE	POS (IN ² /FT)			MINIMUM DECK BEARINGS (IN)	
					IS	OS	NEG (IN ² /3FT)	EXTERIOR	INTERIOR
2VLI	2	20	40	COMPOSITE	0.42	0.36	0.36	2	4
2VLI	2	18	40	COMPOSITE	0.56	0.51	0.51	2	4
2VLI	2	16	40	COMPOSITE	0.70	0.65	0.65	2	4
3VLI	3	20	40	COMPOSITE	0.94	0.55	0.57	2 1/2	5
3VLI	3	18	40	COMPOSITE	1.25	0.80	0.80	2 1/2	5
3VLI	3	16	40	COMPOSITE	1.58	1.01	1.01	2 1/2	5
1C	1	22	60	FORM	0.07	0.13	0.13	2	4
1.5B	1 1/2	22	33	ROOF	0.17	0.19	0.19	2	4
1.5B	1 1/2	20	33	ROOF	0.21	0.23	0.25	2	4
1.5B	1 1/2	18	33	ROOF	0.29	0.32	0.33	2	4
3N	3	22	33	ROOF	0.77	0.38	0.43	2	4
3N	3	20	33	ROOF	0.96	0.50	0.55	2	4
3N	3	18	33	ROOF	1.33	0.69	0.75	2	4

15 NO SCALE METAL DECK PROPERTIES



16 3/4" = 1'-0" TYP FASTENER LAYOUT AT PERP SUPPORT

METAL DECK SLAB SCHEDULE														
SLAB MARK	DECK			CONCRETE				MAX UNSHORED CLEAR SPAN	MIN DECK GAGE, 1-SPAN	MIN DECK GAGE, 2 SPAN OR MORE	MAX DECK CANTILEVER	DECK CONN TYPE (SEE SCHED)	DECK DIAPHRAGM SHEAR (PLF)	REMARKS
	TYPE	DEPTH (IN)	CONC ABOVE DECK (IN)	TOTAL THK (IN)	CONC TYPE (SEE GEN NOTES)	SHEAR STUD LENGTH (IN)	SLAB REINF							
2VLI4.0A	2VLI	2	4	6	TYPE 4 (NWC)	4	6x6-W2.9W2.9 WWR	9'-0"	--	18	--	A	--	--
3NA	3N	3	--	--	--	--	--	--	--	18	--	C	448	--

SEE 15 S5.04 FOR METAL DECK PROPERTIES

NOTES:
1. SEE SPECIFICATIONS FOR FLOOR FINISH & FLATNESS REQUIREMENTS
2. INSTALL DECK OVER 4 SUPPORTS (3 SPAN CONTINUOUS) WHERE POSSIBLE
3. COMPOSITE DECK DESIGN IS SIZED BASED UPON THE FOLLOWING MAXIMUM CONDITIONS:
a. WET WEIGHT OF CONC = 120 PSF LIGHT WEIGHT, 145 PSF NORMAL WEIGHT
b. DRY WEIGHT OF CONC = 115 PSF LIGHT WEIGHT
c. DECK DEFLECTION = 3/4"
d. AVERAGE SLAB THICKNESS INCREASED BY 1/2" FOR LEVELING
e. CONST LIVE LOAD = 20 PSF. IF CONST LIVE LOAD WILL EXCEED 20 PSF, THEN CONTR SHALL DESIGN DECK FOR INCREASED LOADING
4. SCHEDULED STUD LENGTH IS NET-IN-PLACE LENGTH OF HDAS
5. SUBMIT SHOP DRAWINGS INDICATING STUD LAYOUT (NO. OF STUDS/RIB) AND PLACEMENT ALONG BEAM
6. NO TEMPORARY SHORING OF STEEL DECK PERMITTED WITHOUT PRIOR ACCEPTANCE OF THE ENGINEER

DECK CONNECTION SCHEDULE						
TYPE	PERP SUPPORT MEMBERS		PARALLEL SUPPORT MEMBERS		SIDELAPS	
	CONNECTION	PATTERN	CONNECTION	PATTERN	CONNECTION	PATTERN
A	3/4"Ø PUDDLE WELDS	36/4	3/4"Ø PUDDLE WELDS	12" OC	#10 SCREW	3'-0" OC
B	5/8"Ø PUDDLE WELDS	36/7	5/8"Ø PUDDLE WELDS	12" OC	#10 SCREW	5 / SPAN
C	5/8"Ø PUDDLE WELDS	24/4	5/8"Ø PUDDLE WELDS	16" OC	#10 SCREW	1'-4" OC
D	--	--	--	--	--	--

SEE 16 S5.04 FOR CONNECTION PATTERNS

20 3/8" = 1'-0" COMPOSITE DECK CONNECTIONS

12 NO SCALE METAL DECK SLAB SCHEDULE

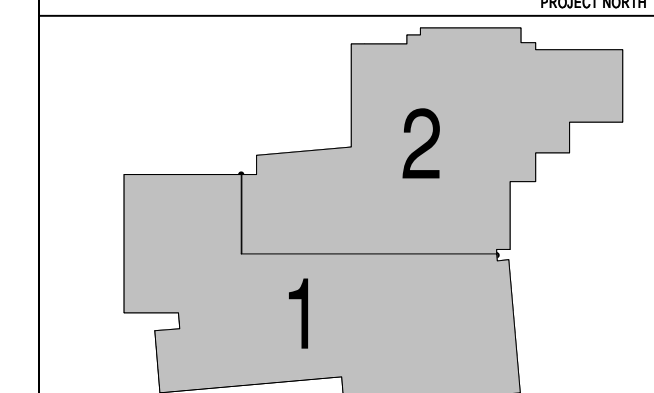


SINK COMBS DETHLEFS
Copyright for Sink Combs Dethlefs, P.C.
475 Lincoln Street, Denver, Colorado 80203
303.368.0201
Scale 1/8" = 1'-0"
FAX 303.368.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
1849 WEST GOLDFAX AVENUE
P.O. BOX 165000
LAKEWOOD, COLORADO 80216
303.431.6100
FAX 303.431.6886

KEY PLAN
PROJECT NORTH



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

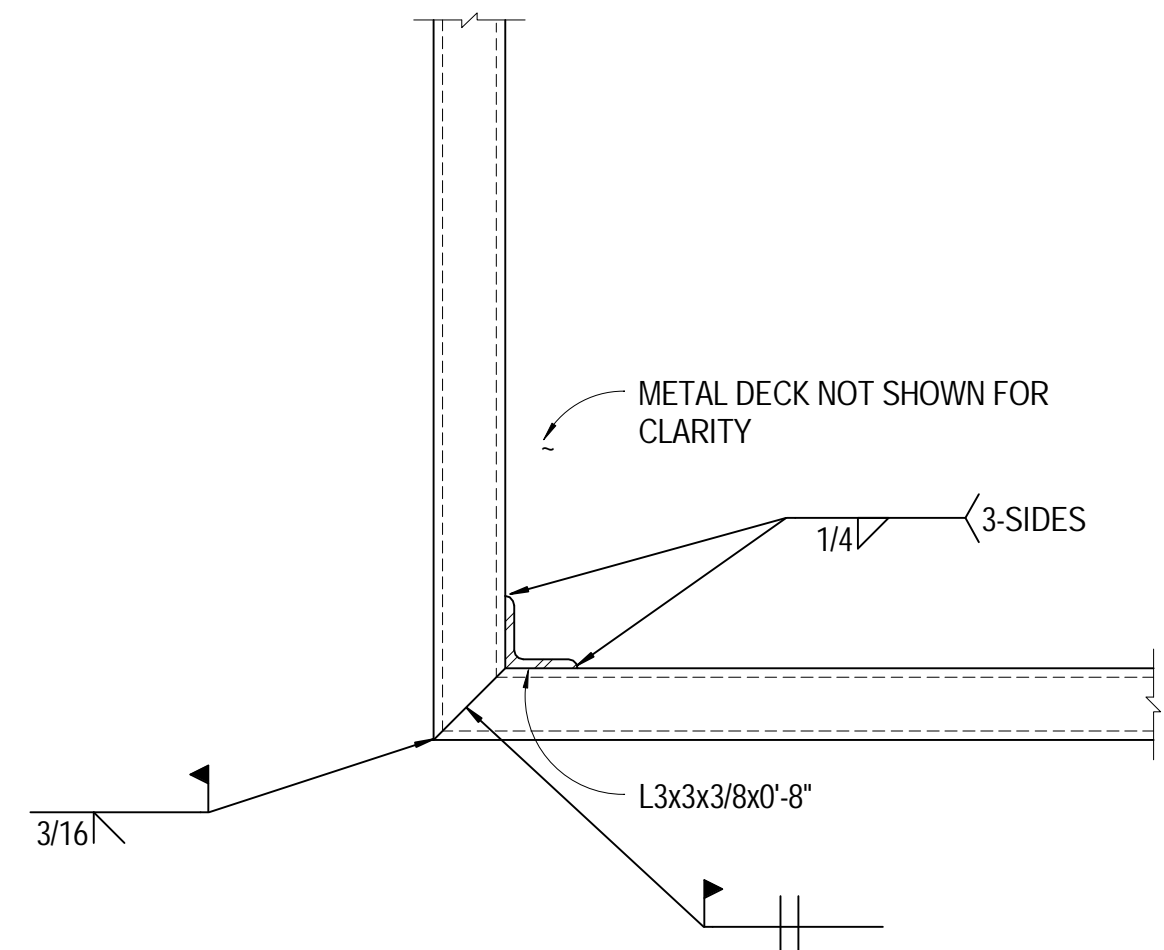
FRUITA COLORADO

M/M Project No.: 21468.S.01

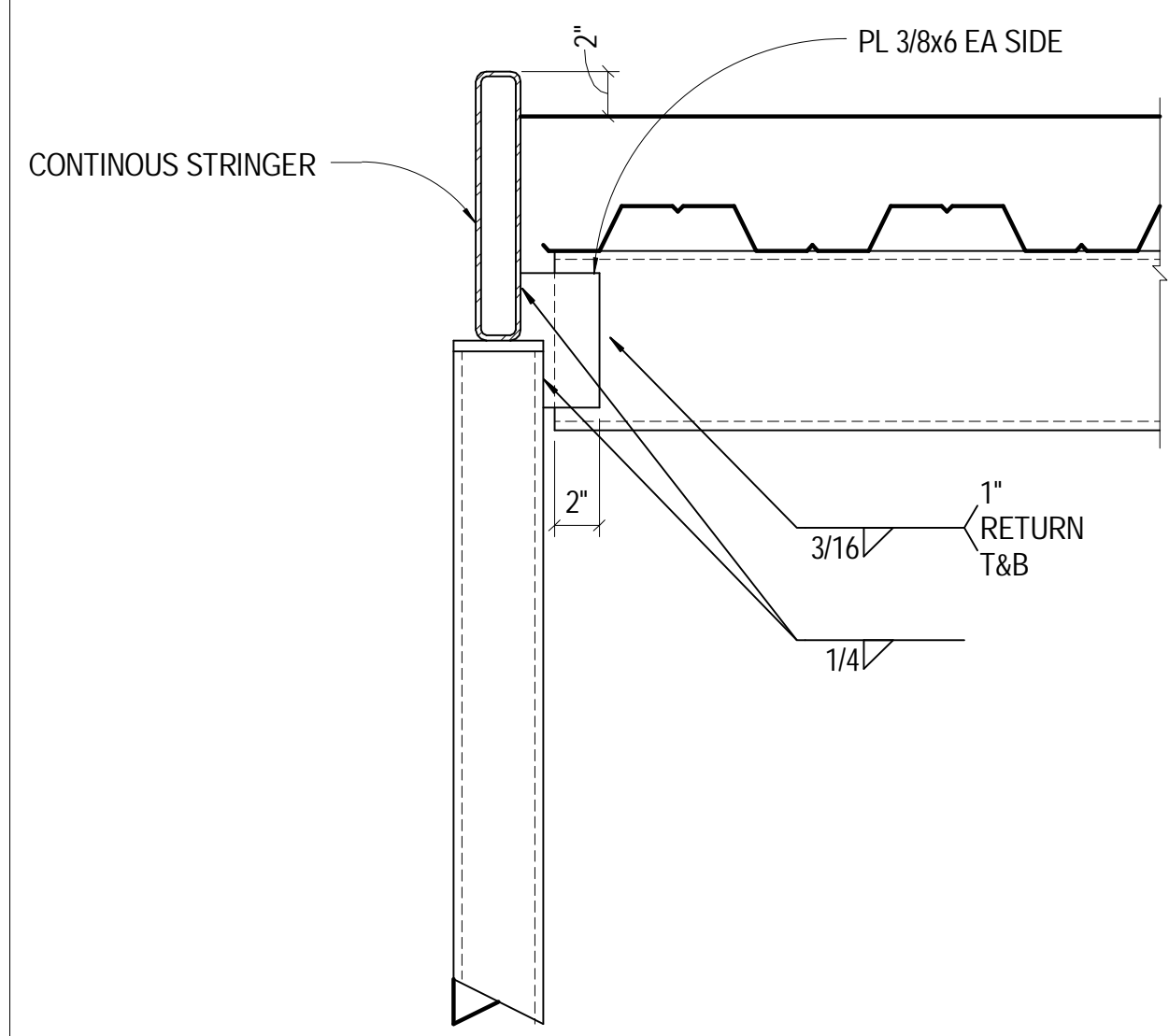
STEEL DETAILS

Drawn By: DE, LB
Checked By: BN, GS

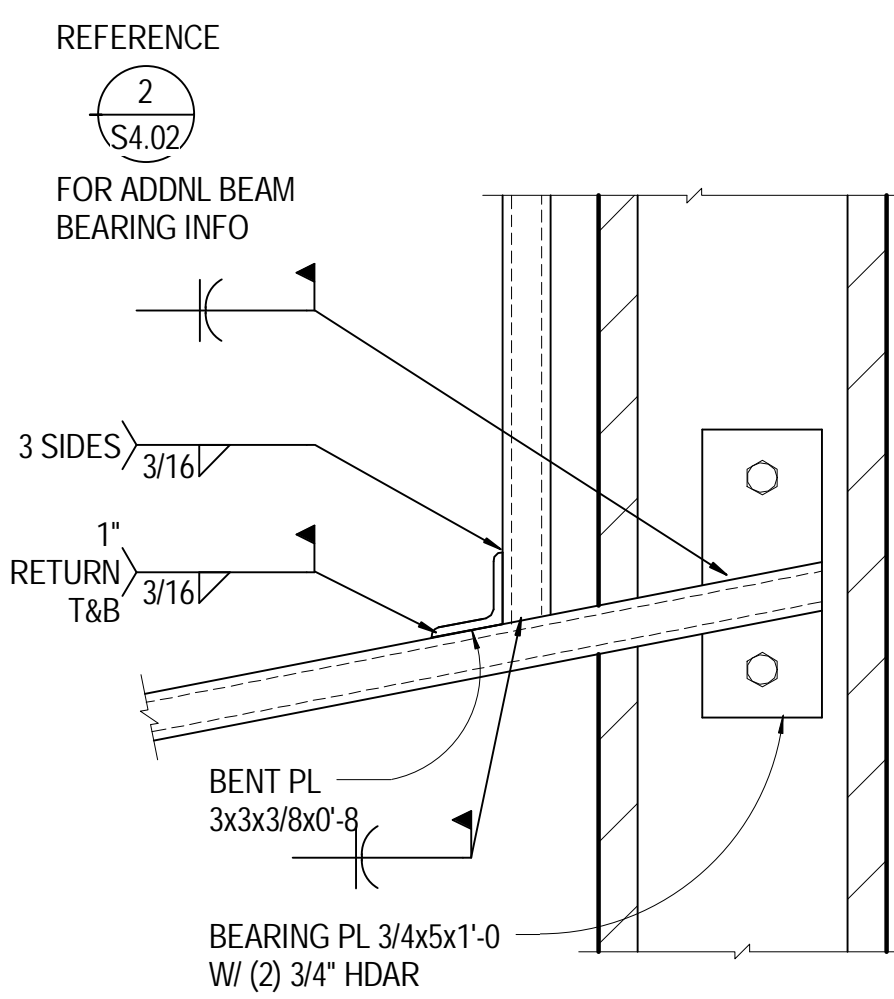
S5.04



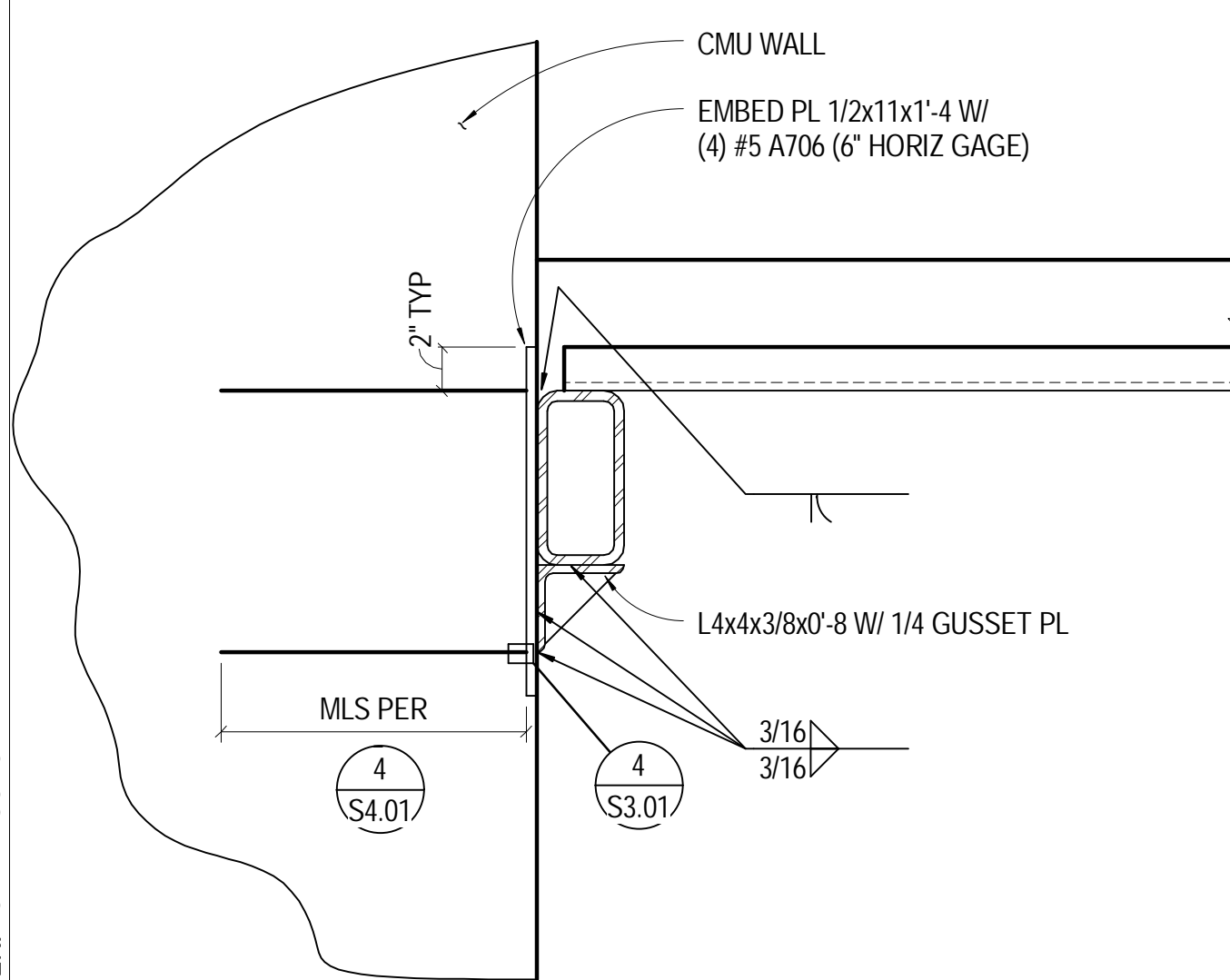
17 1 1/2" = 1'-0" LANDING CORNER CONNECTION



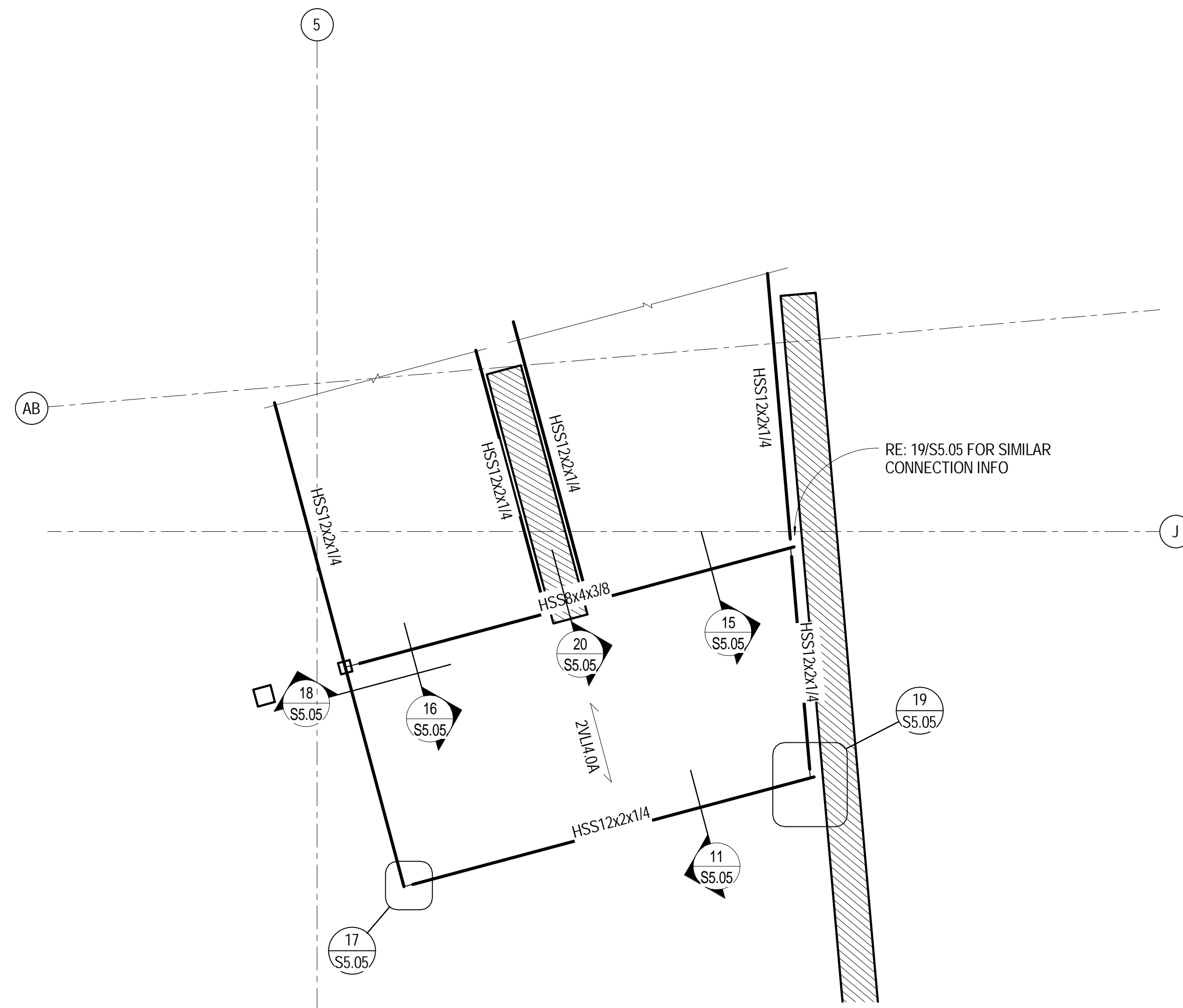
18 1 1/2" = 1'-0" STRINGER AT HSS POST



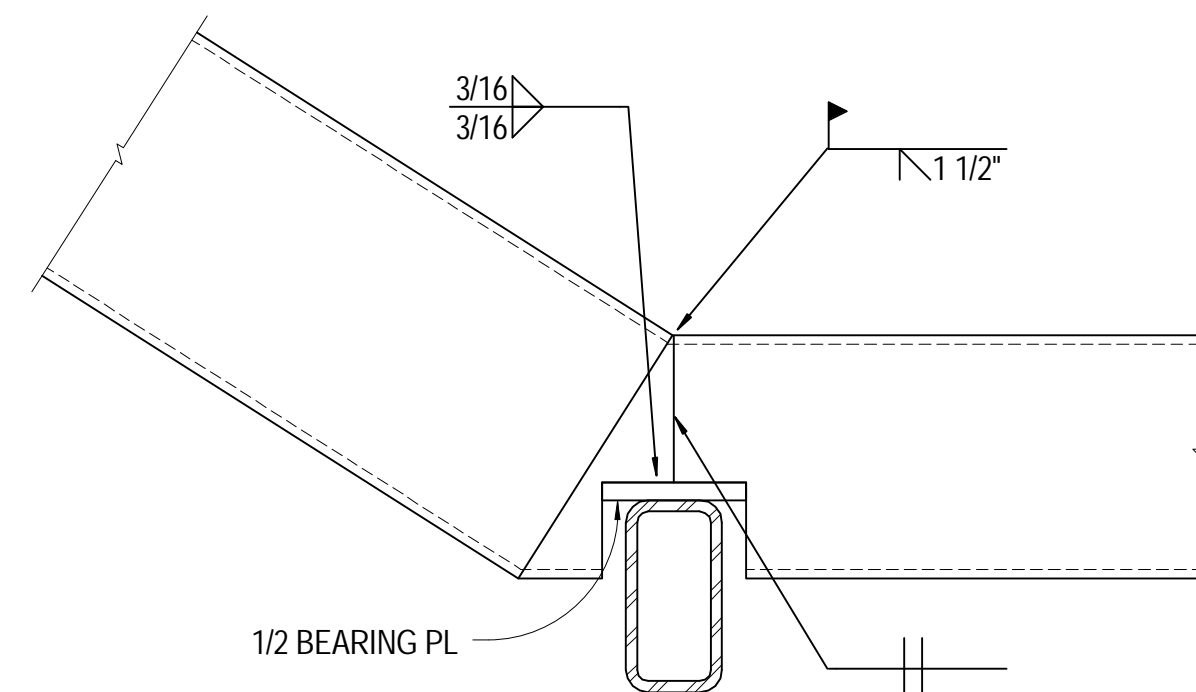
19 1 1/2" = 1'-0" CONNECTION AT LANDING CORNER



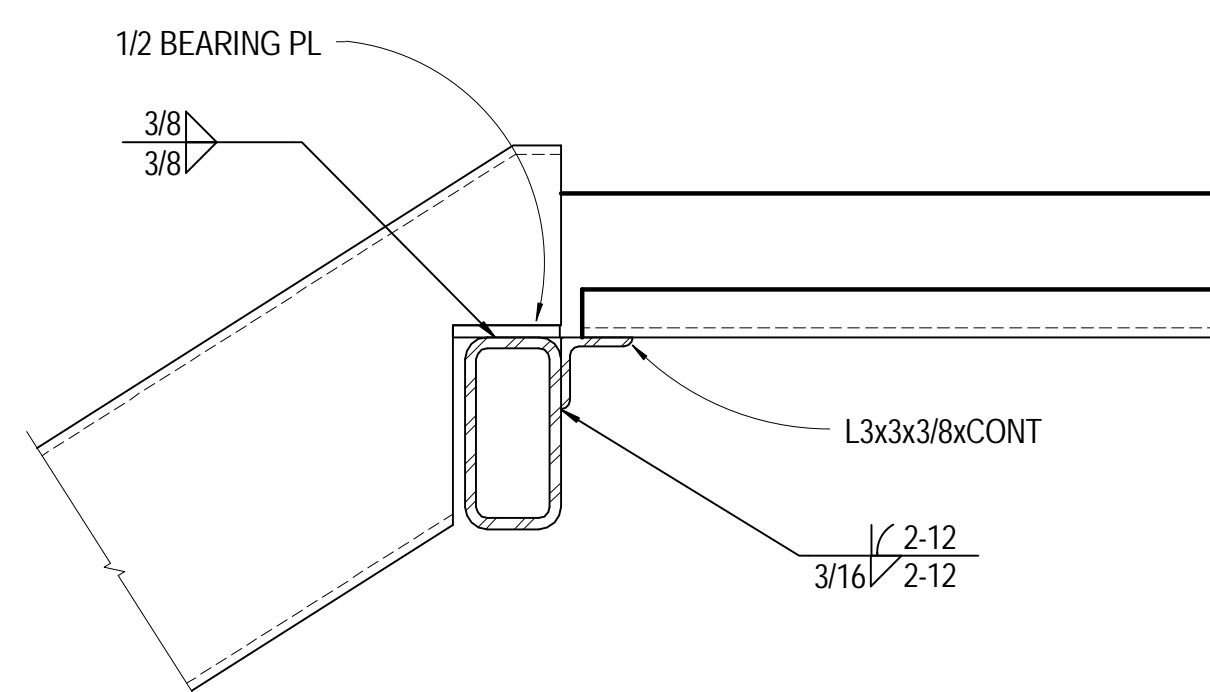
20 1 1/2" = 1'-0" HSS CONN TO CENTER WALL



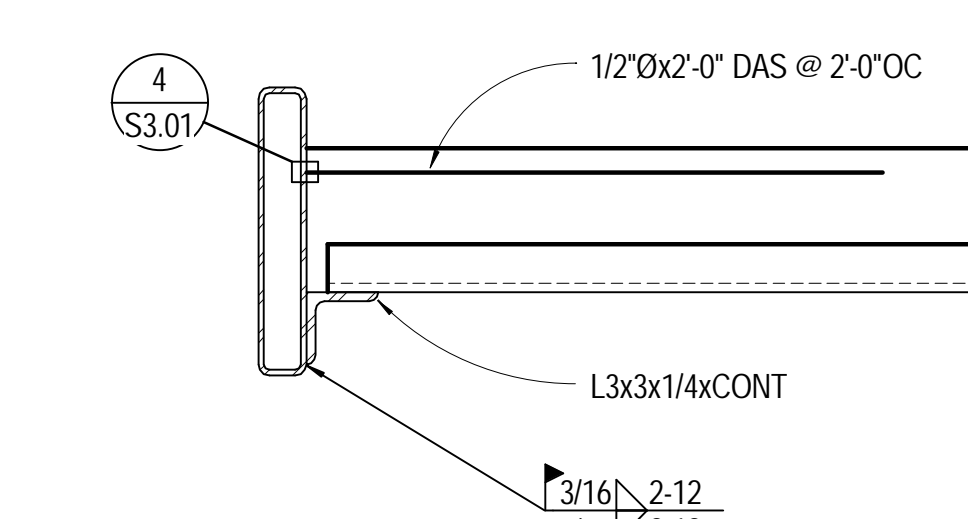
14 3/8" = 1'-0" LANDING FRAMING PLAN



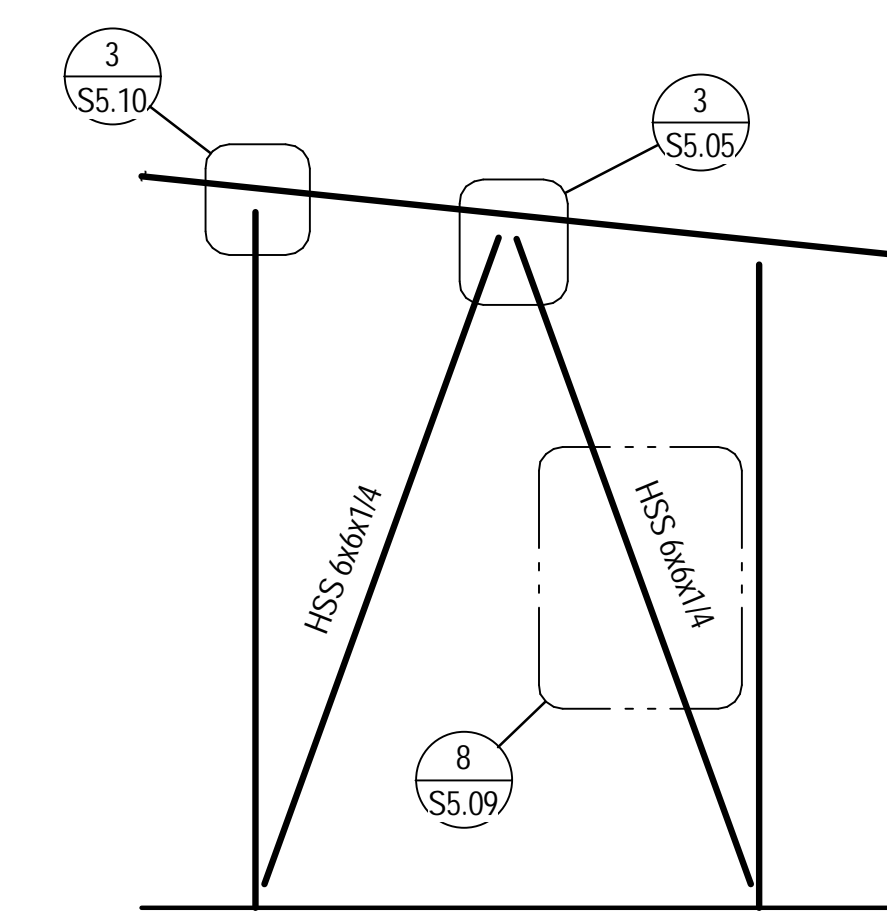
15 1 1/2" = 1'-0" STAIR STRINGER AT HSS SUPPORT



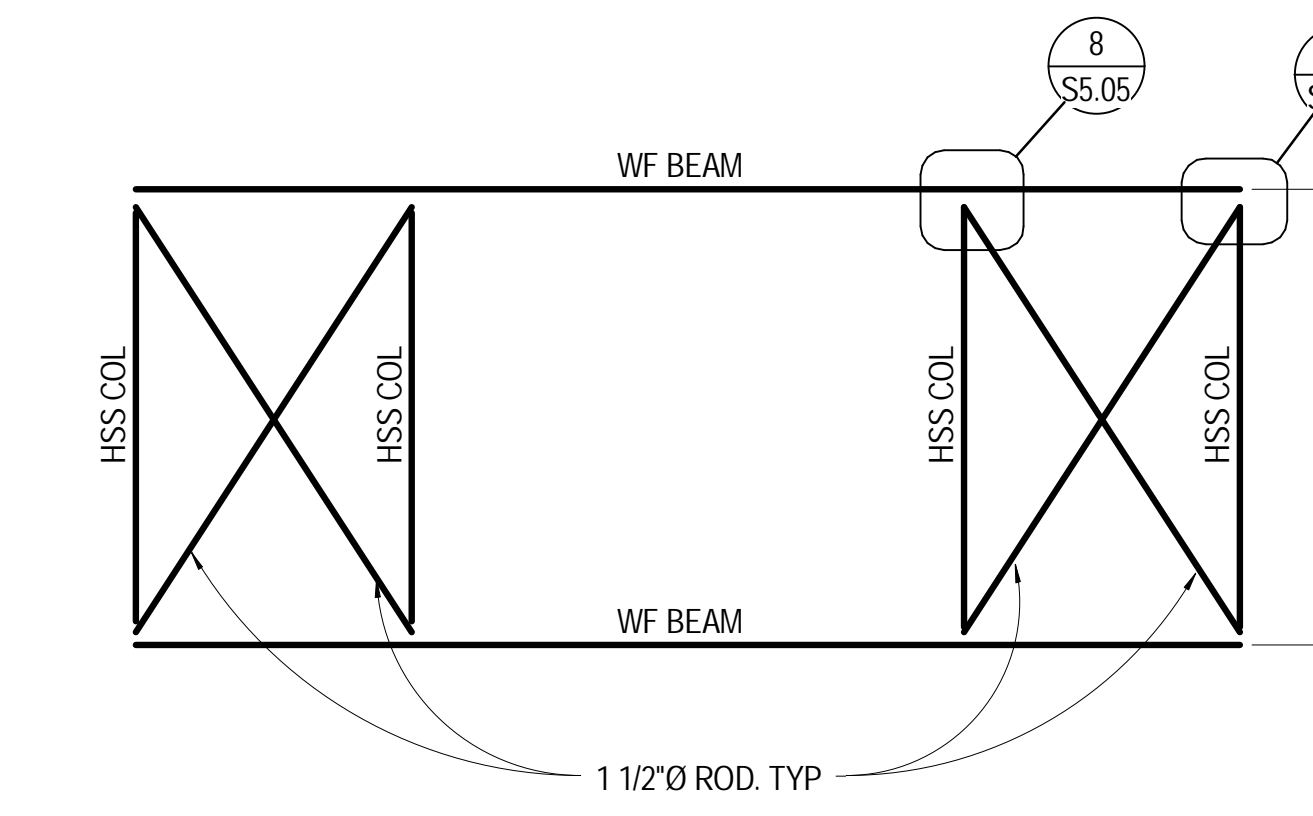
16 1 1/2" = 1'-0" CENTER STRINGER SUPPORT



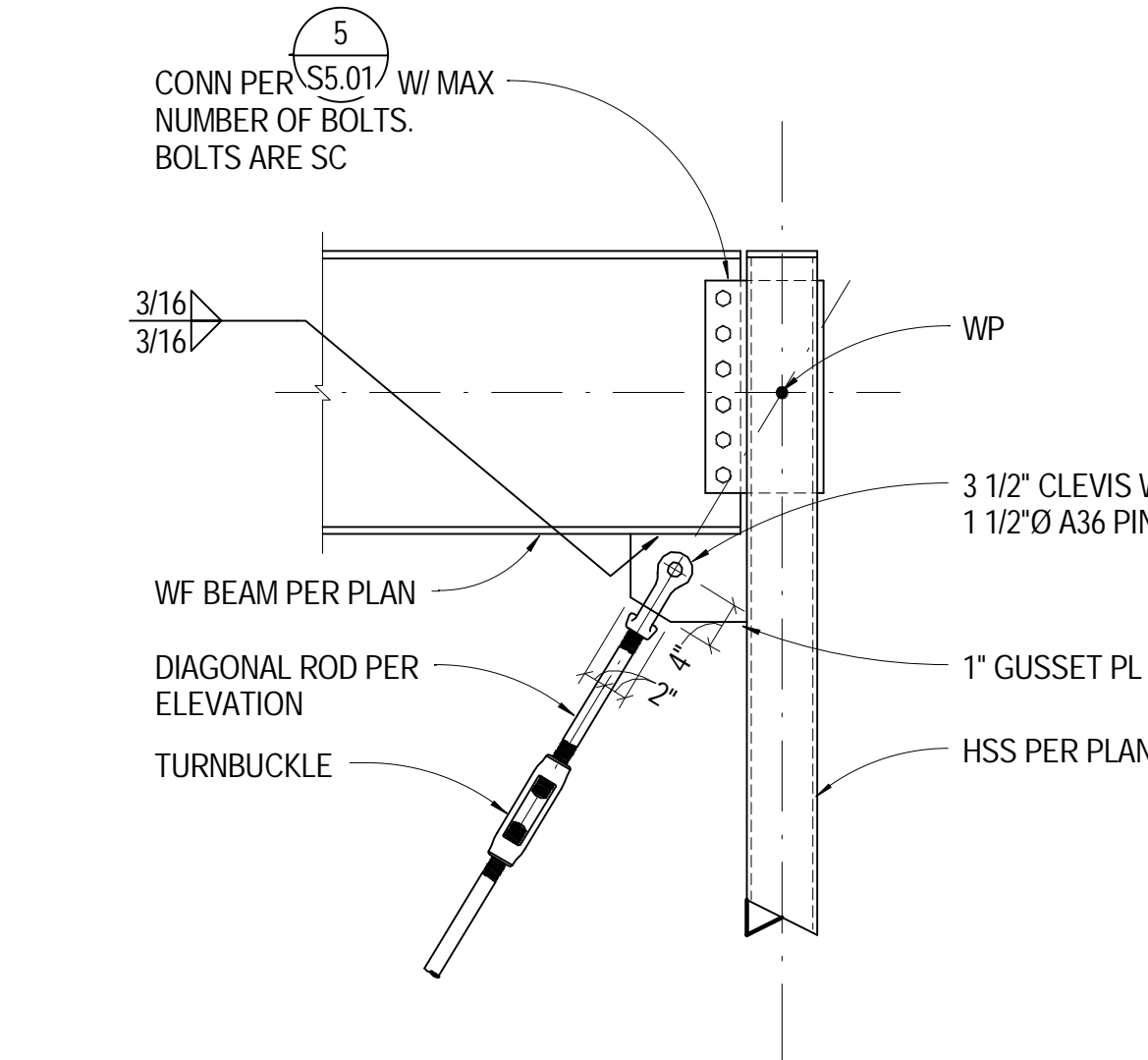
11 1 1/2" = 1'-0" TYPICAL LANDING EDGE



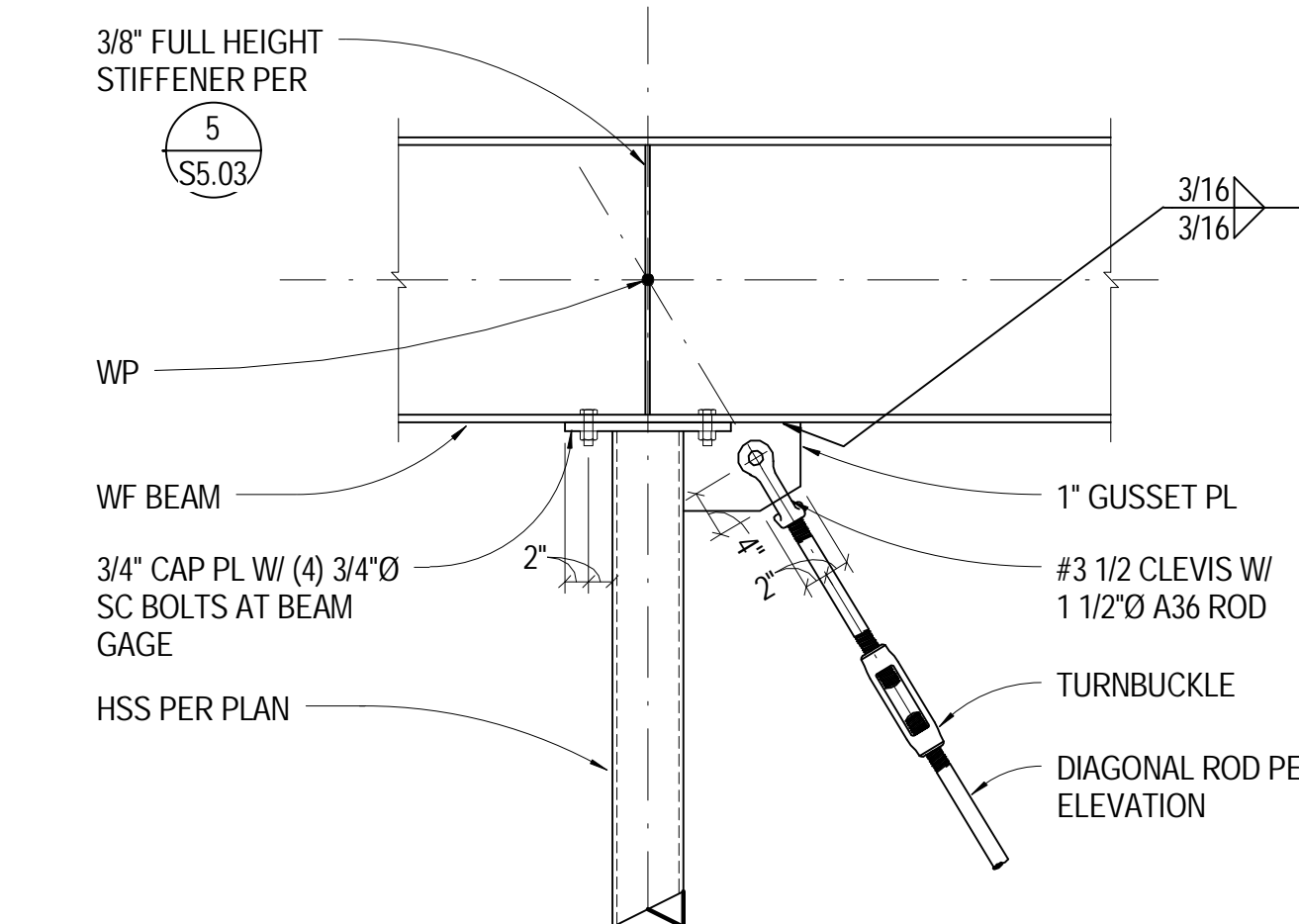
5 NO SCALE HIGH BRACE AT WEST BUTTERFLY WALL



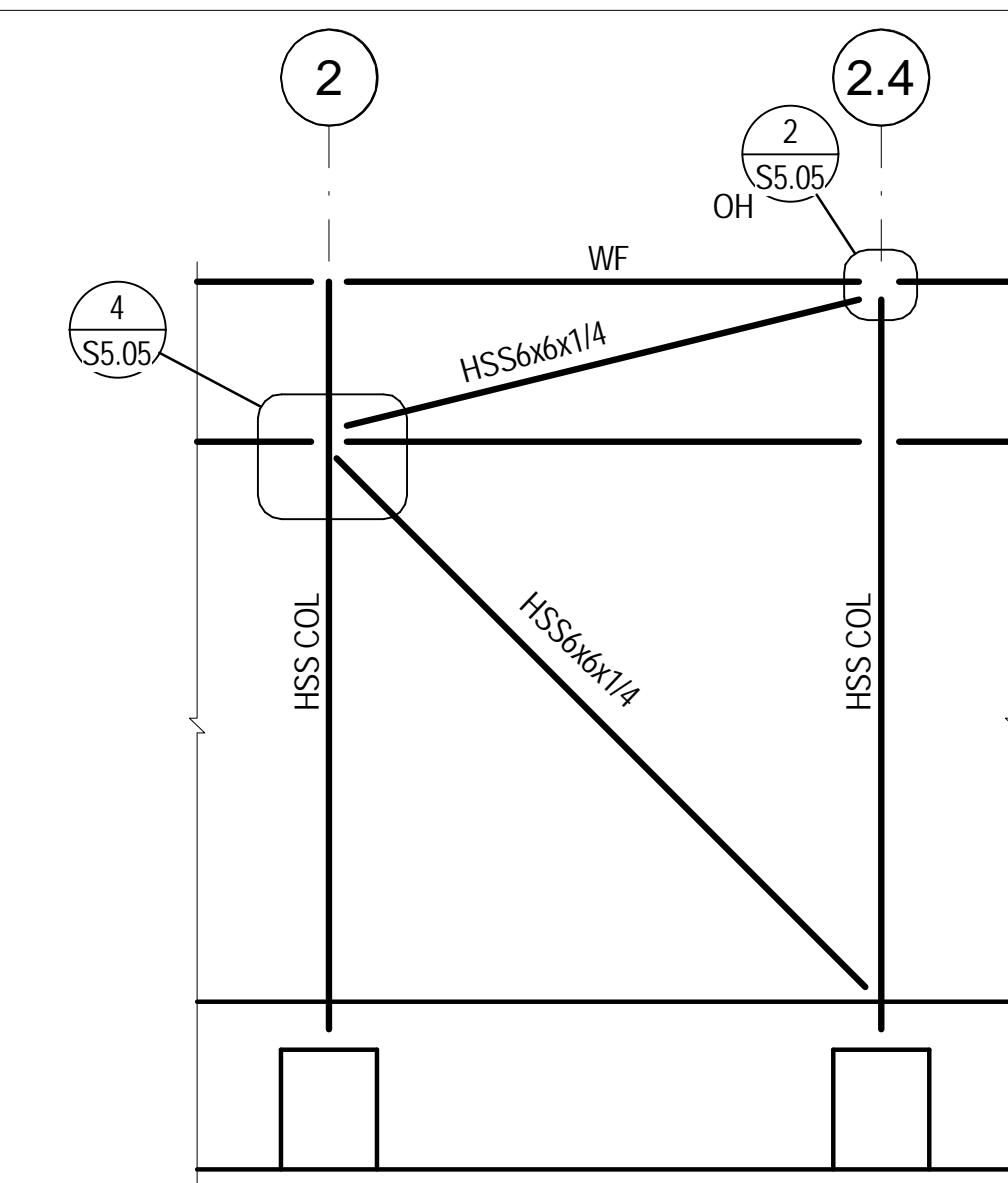
6 1/8" = 1'-0" NORTH WALL BRACE ELEVATION AT BUTTERFLY



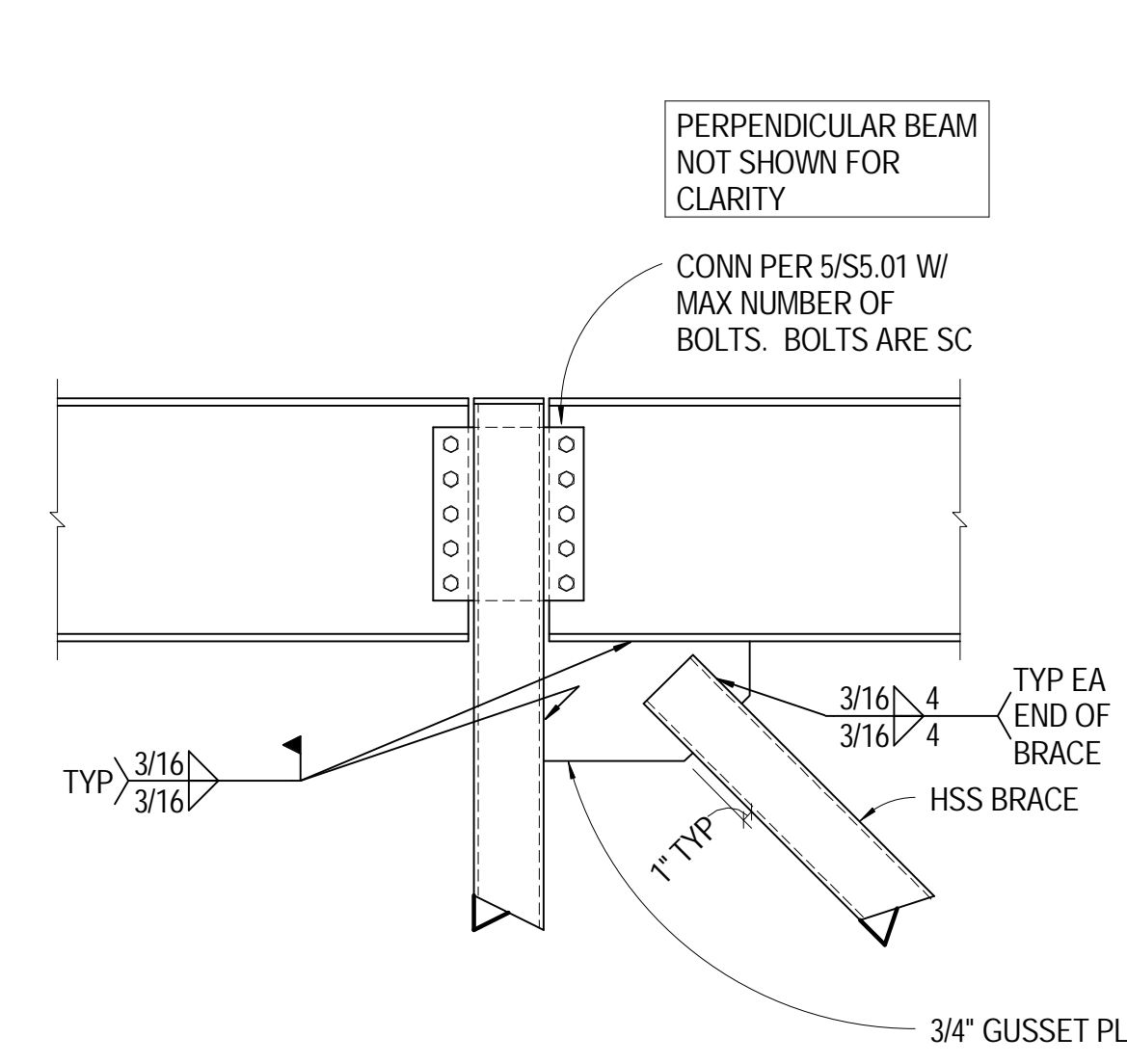
7 3/4" = 1'-0" TOP EXTERIOR BRACE CONN



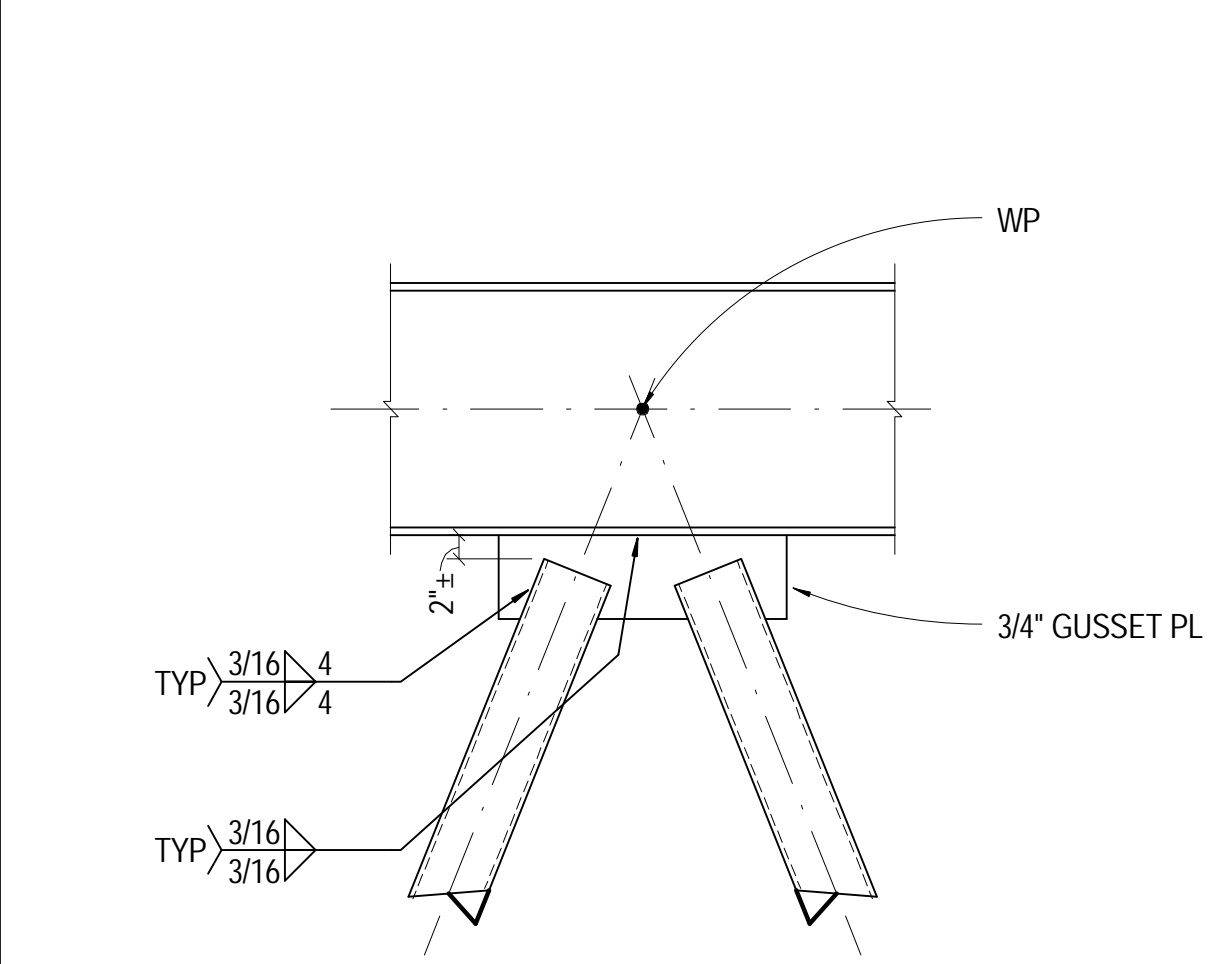
8 3/4" = 1'-0" BRACE AT CONTINUOUS BEAM



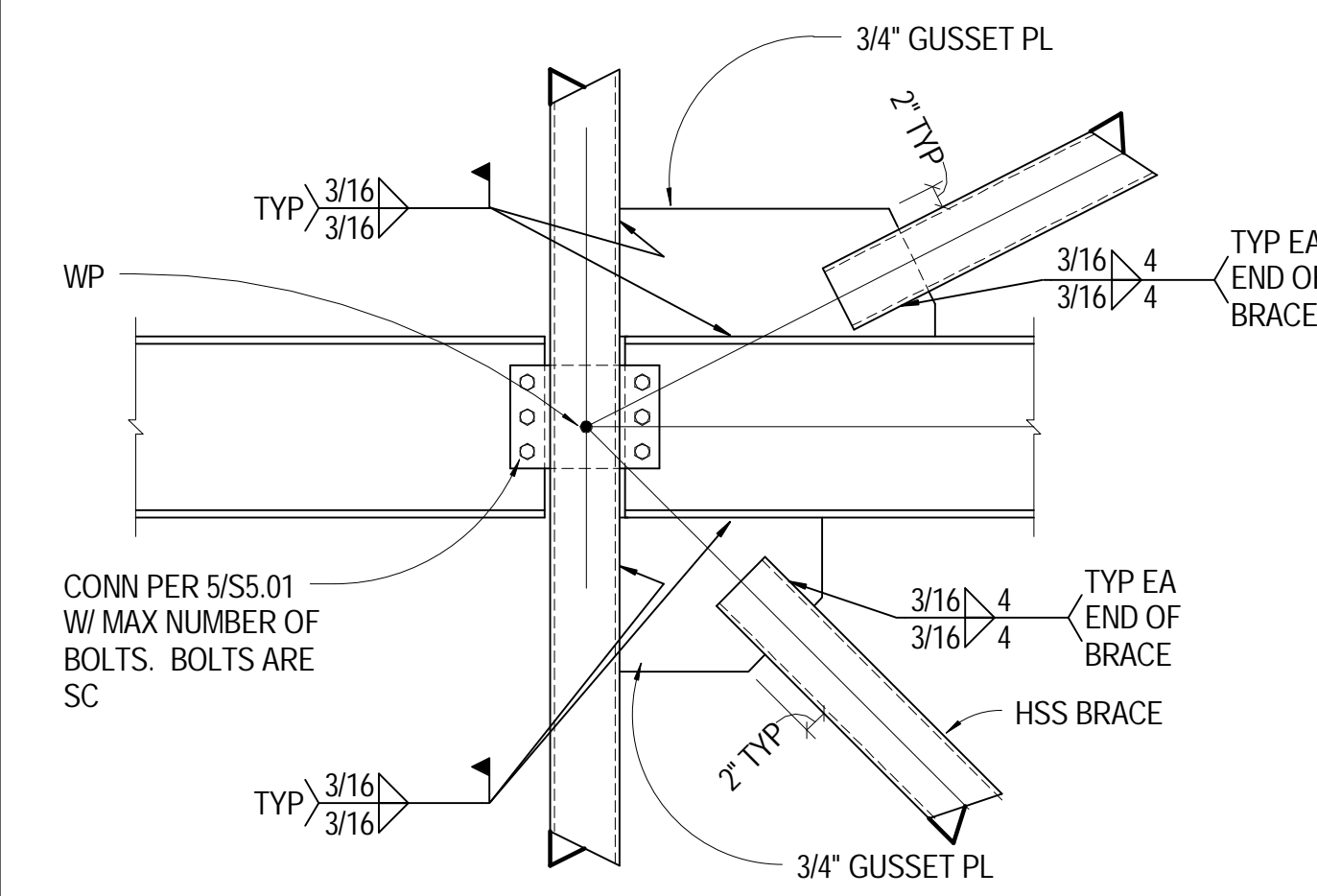
1 1/4" = 1'-0" LIBRARY BRACE ELEVATION



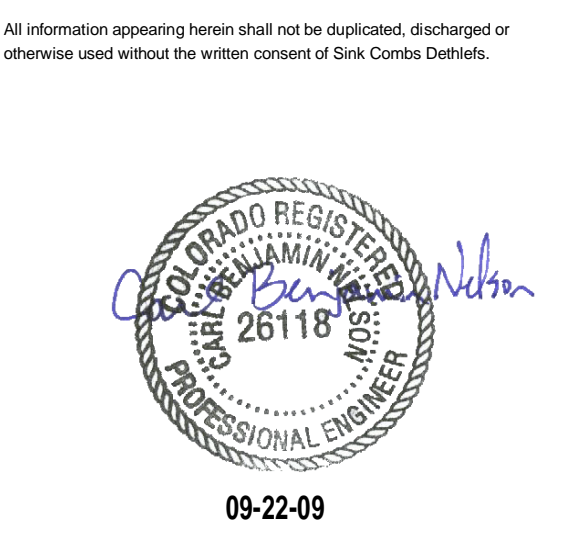
2 3/4" = 1'-0" BEAM-COL AT LIBRARY BRACE



3 3/4" = 1'-0" BRACE-BEAM AT LIBRARY BRACE



4 3/4" = 1'-0" LOW BEAM-COL AT LIBRARY BRACE

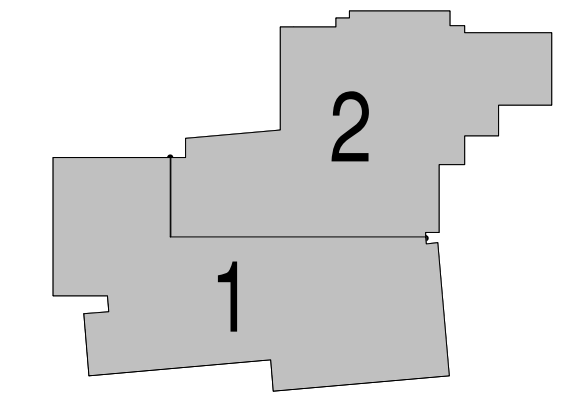


SINK COMBS DETHLEFS
Copyrighted by Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.368.0201
303.368.0202
FAX 303.368.0222



MARTIN/MARTIN
CONSULTING ENGINEERS
12849 WEST GOLDFAX AVENUE
P.O. BOX 1153 ROD LAKWOOD, COLORADO 80116
303.431.6100
FAX 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

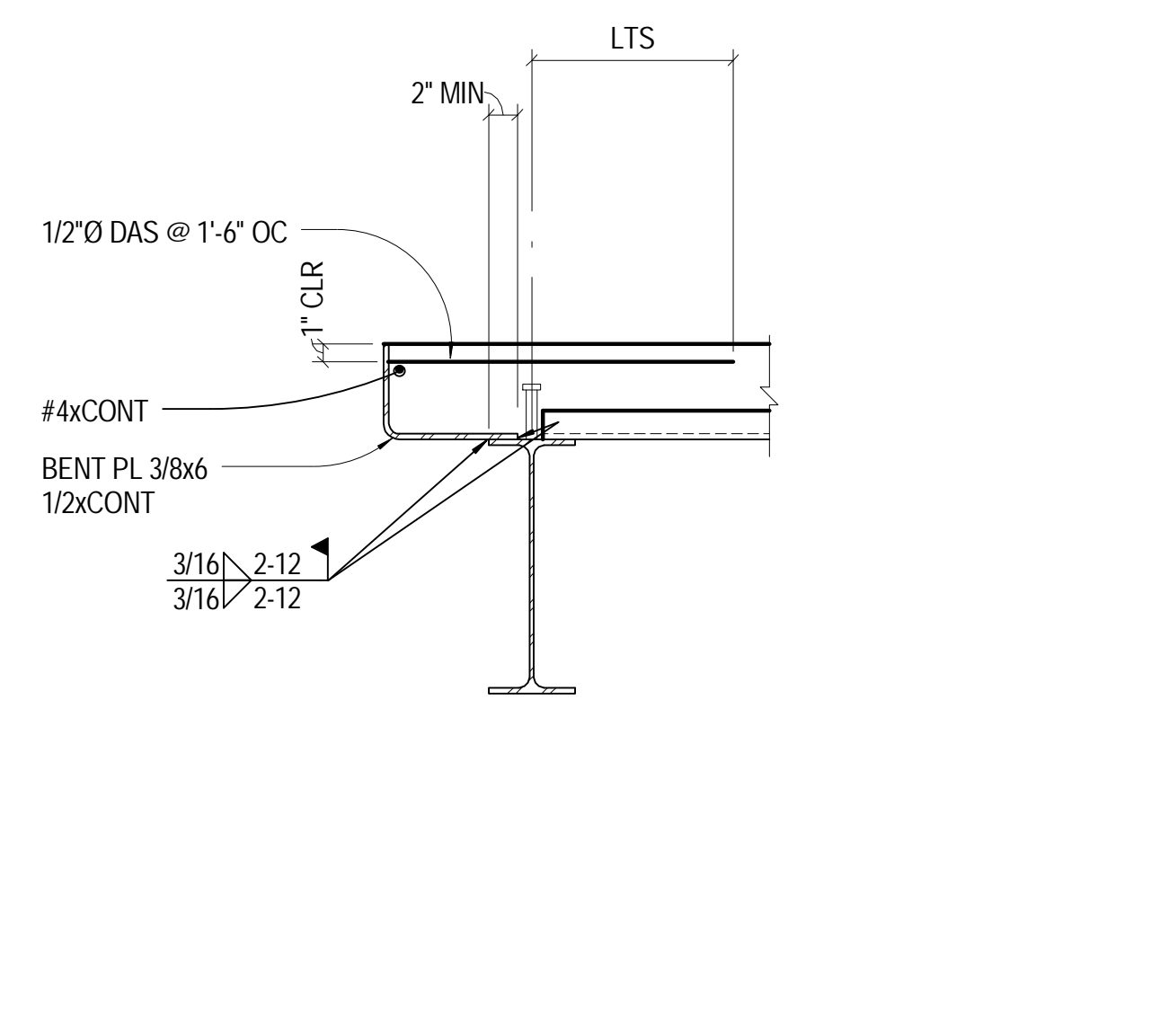
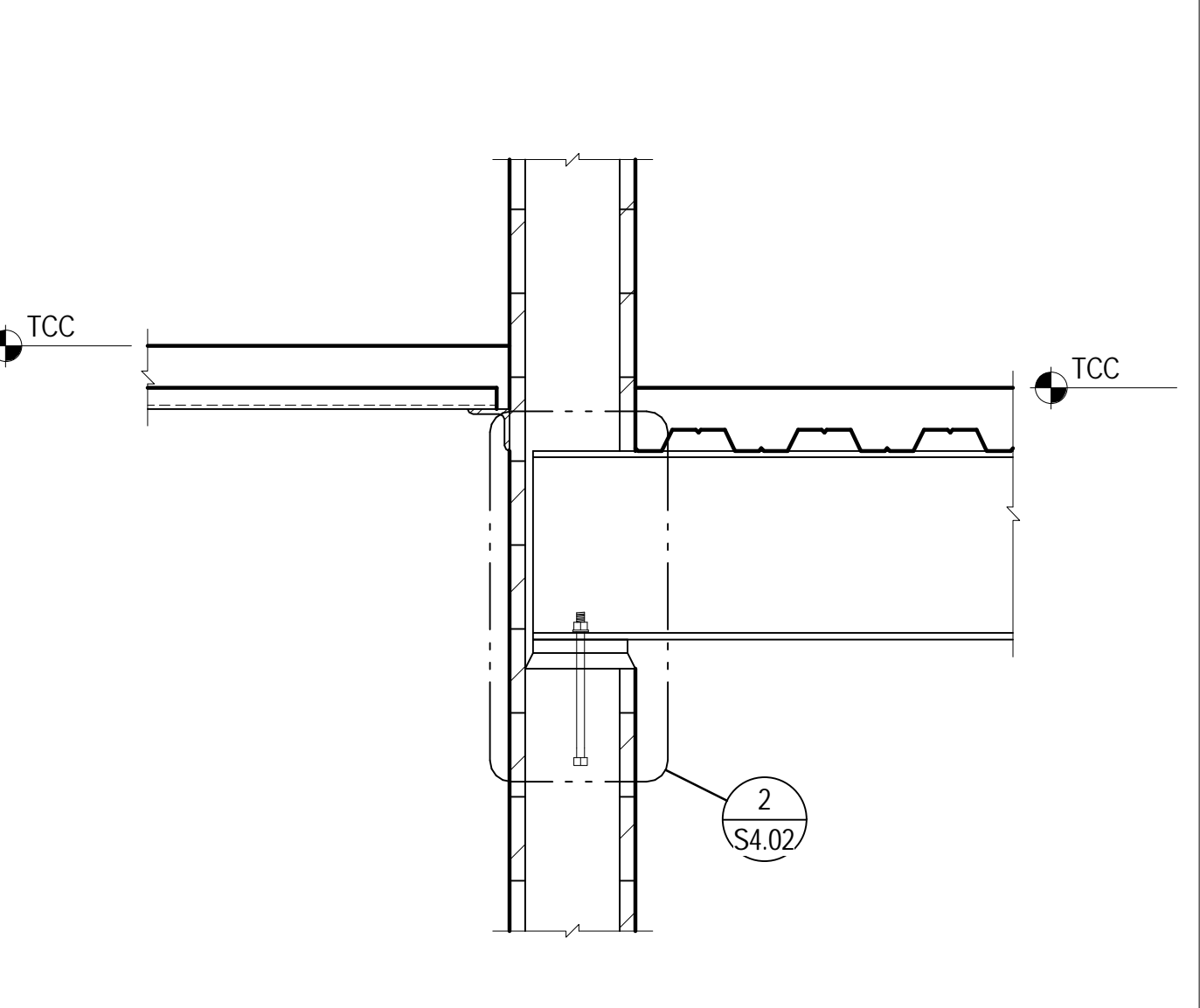
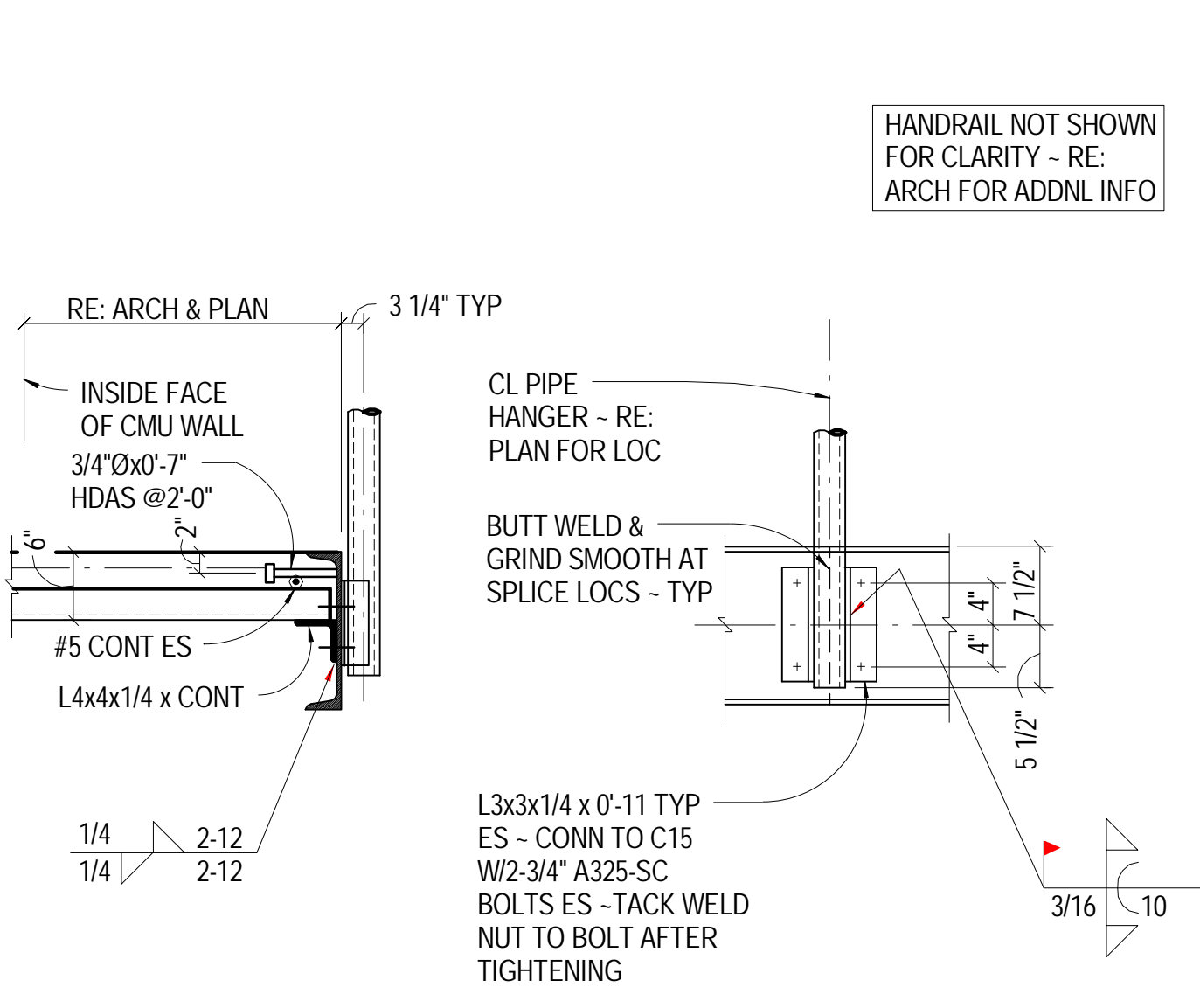
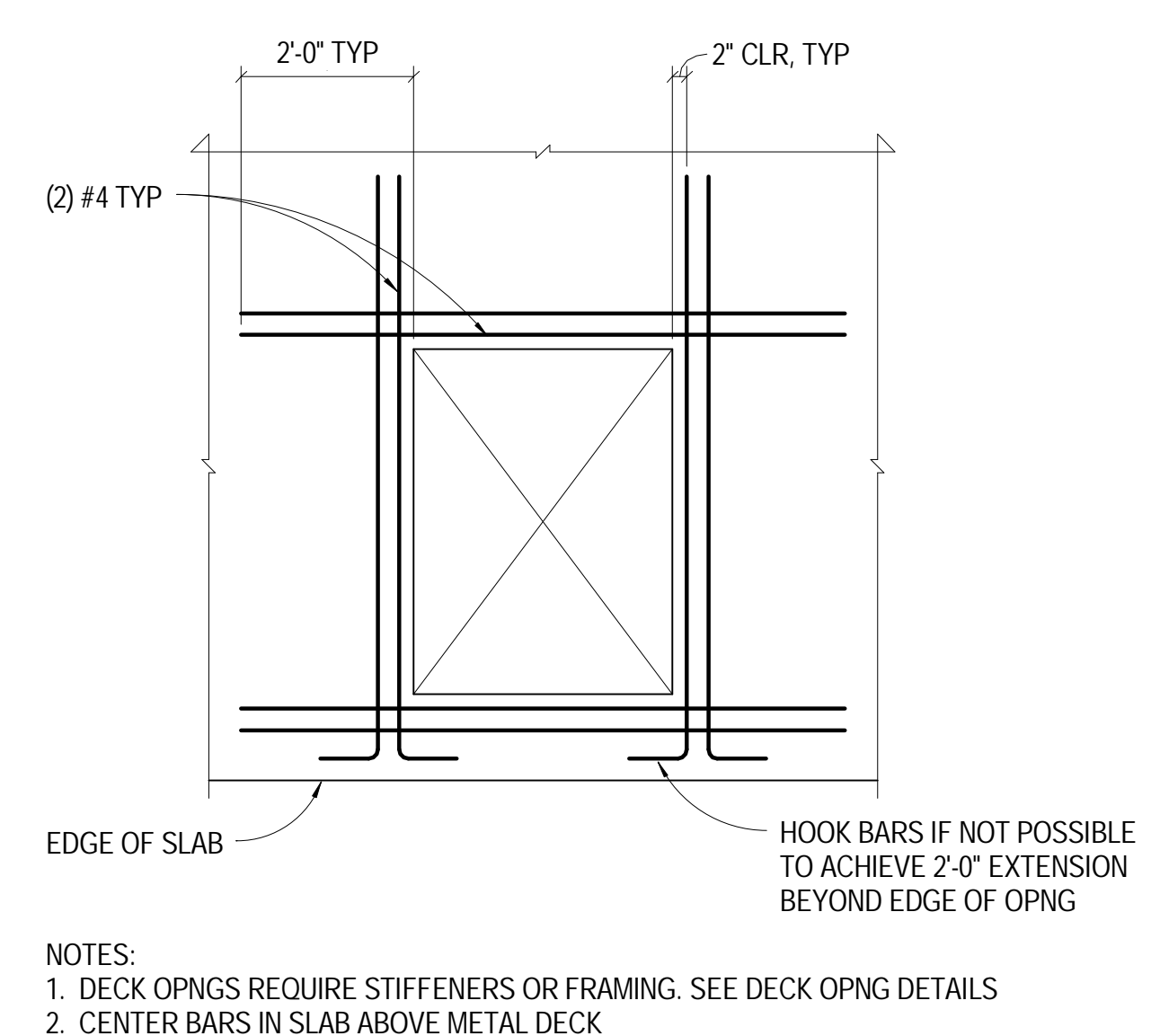
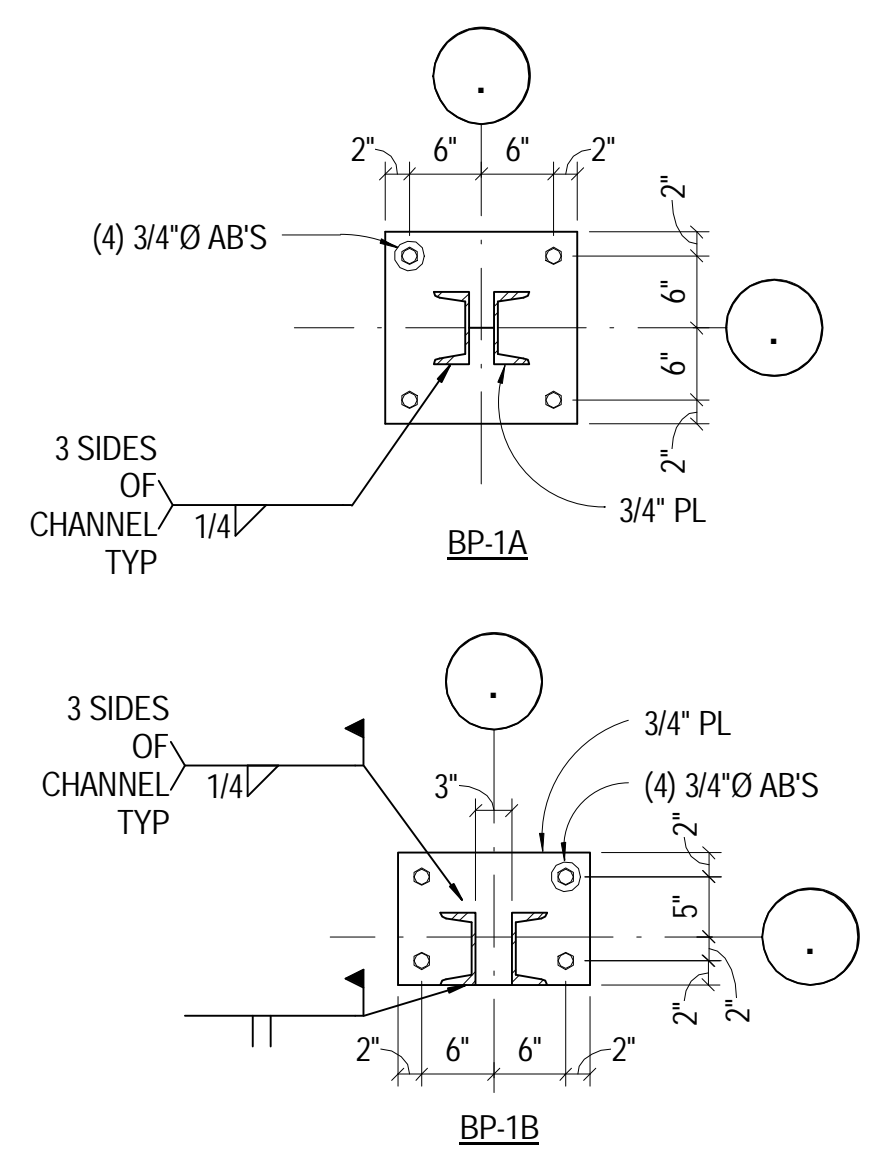
FRUITA COLORADO

M/M Project No.: 21468.S.01

STEEL DETAILS

Drawn By: DE, LB
Checked By: BN, GS

S5.05

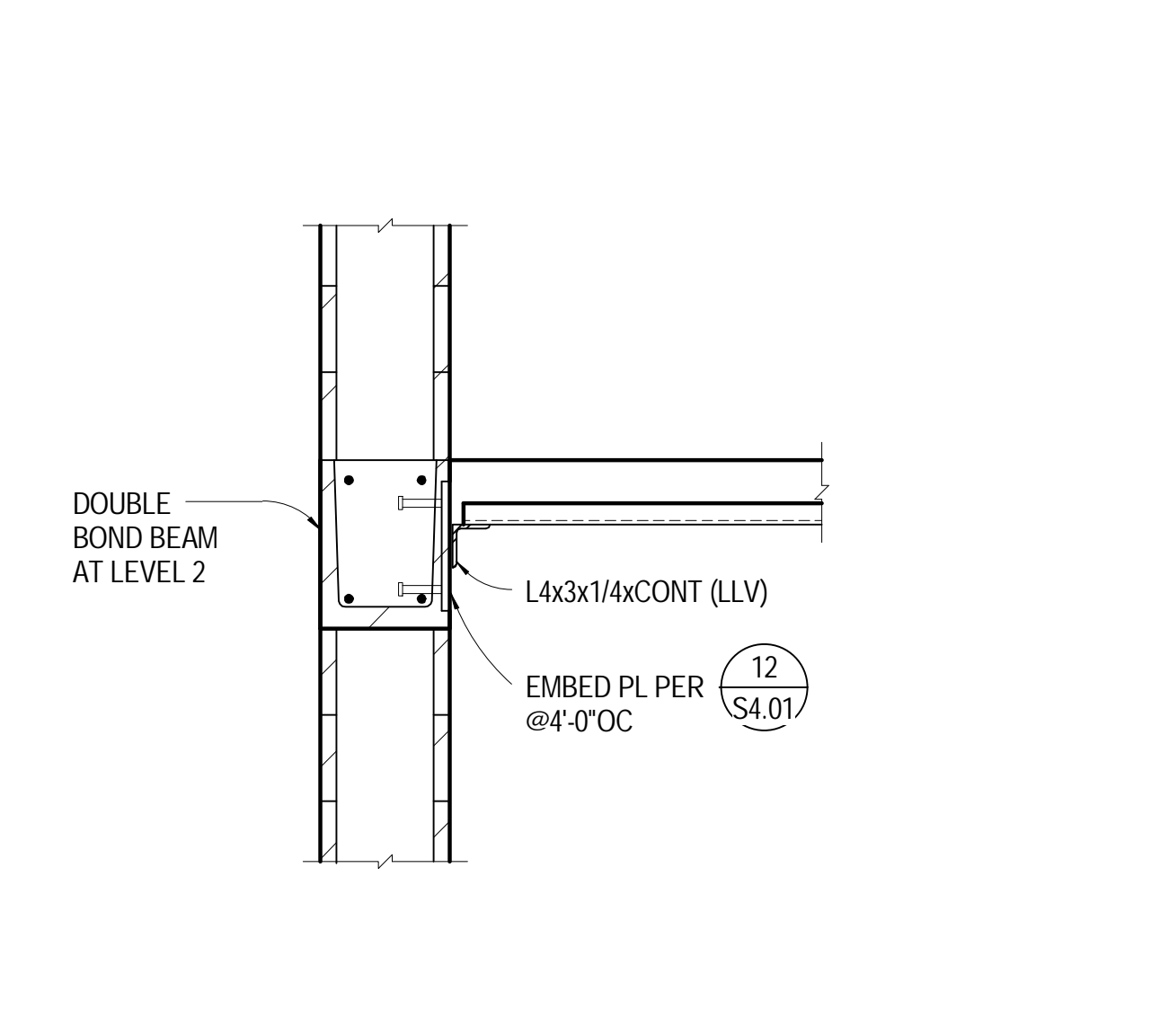
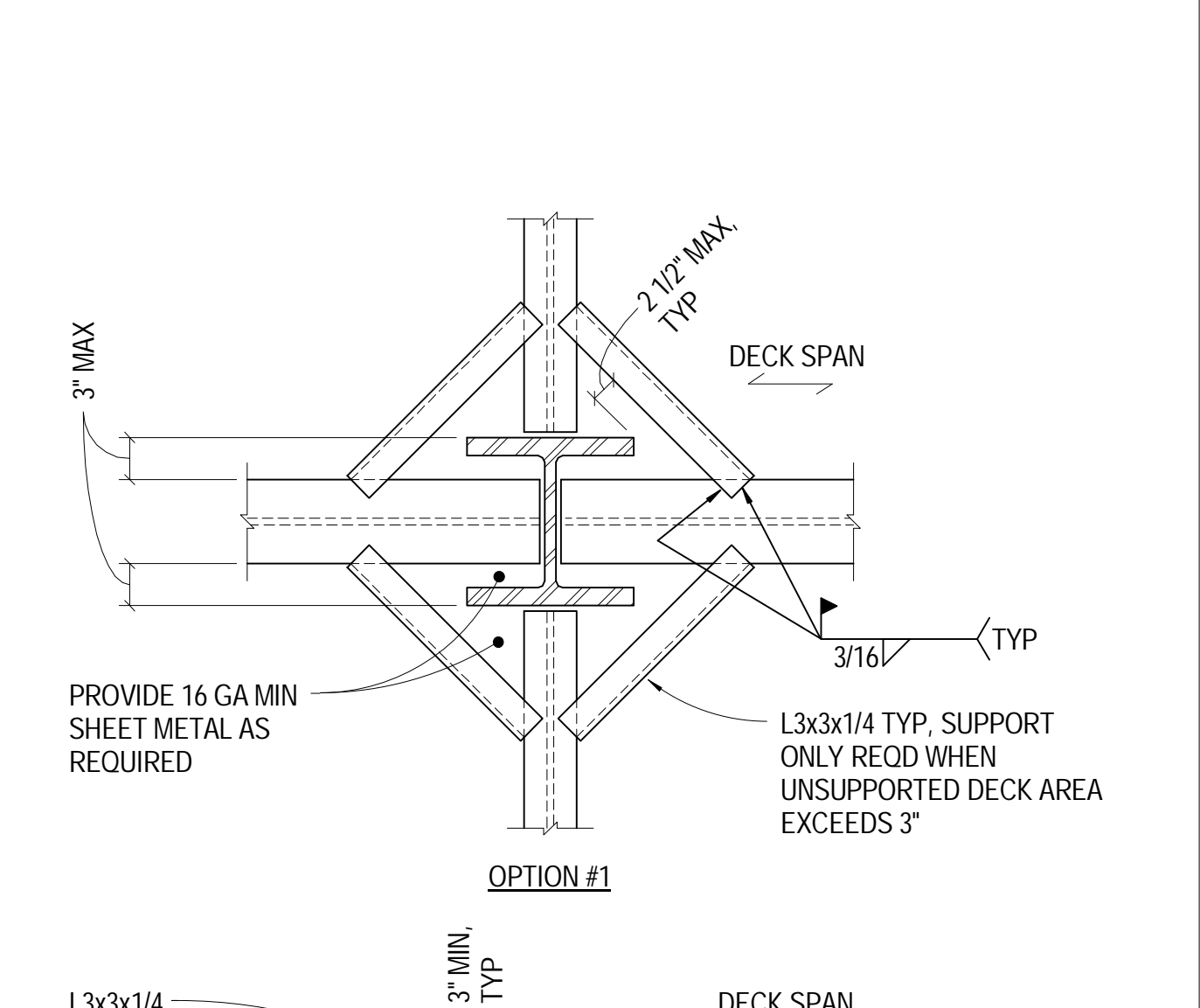
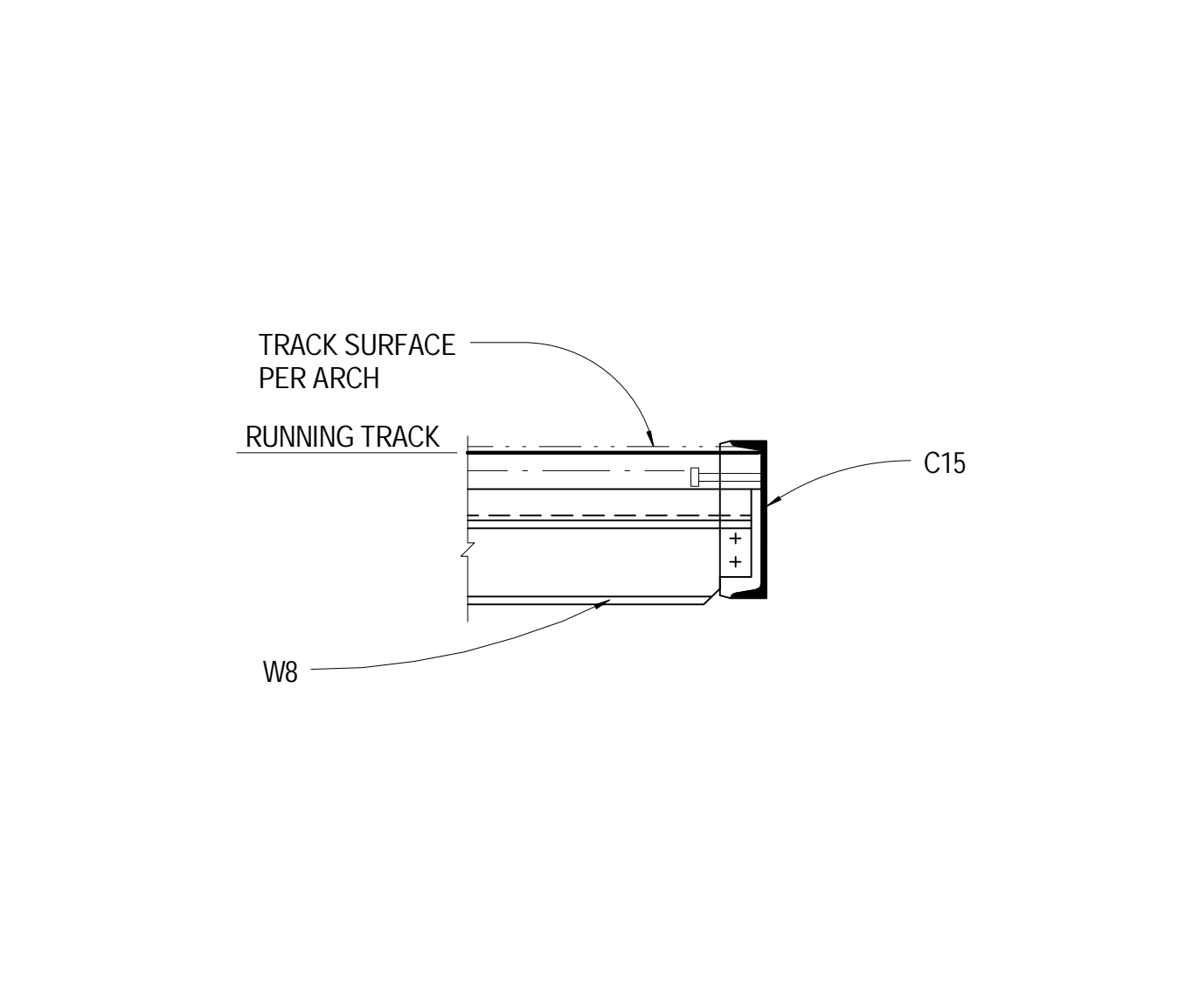
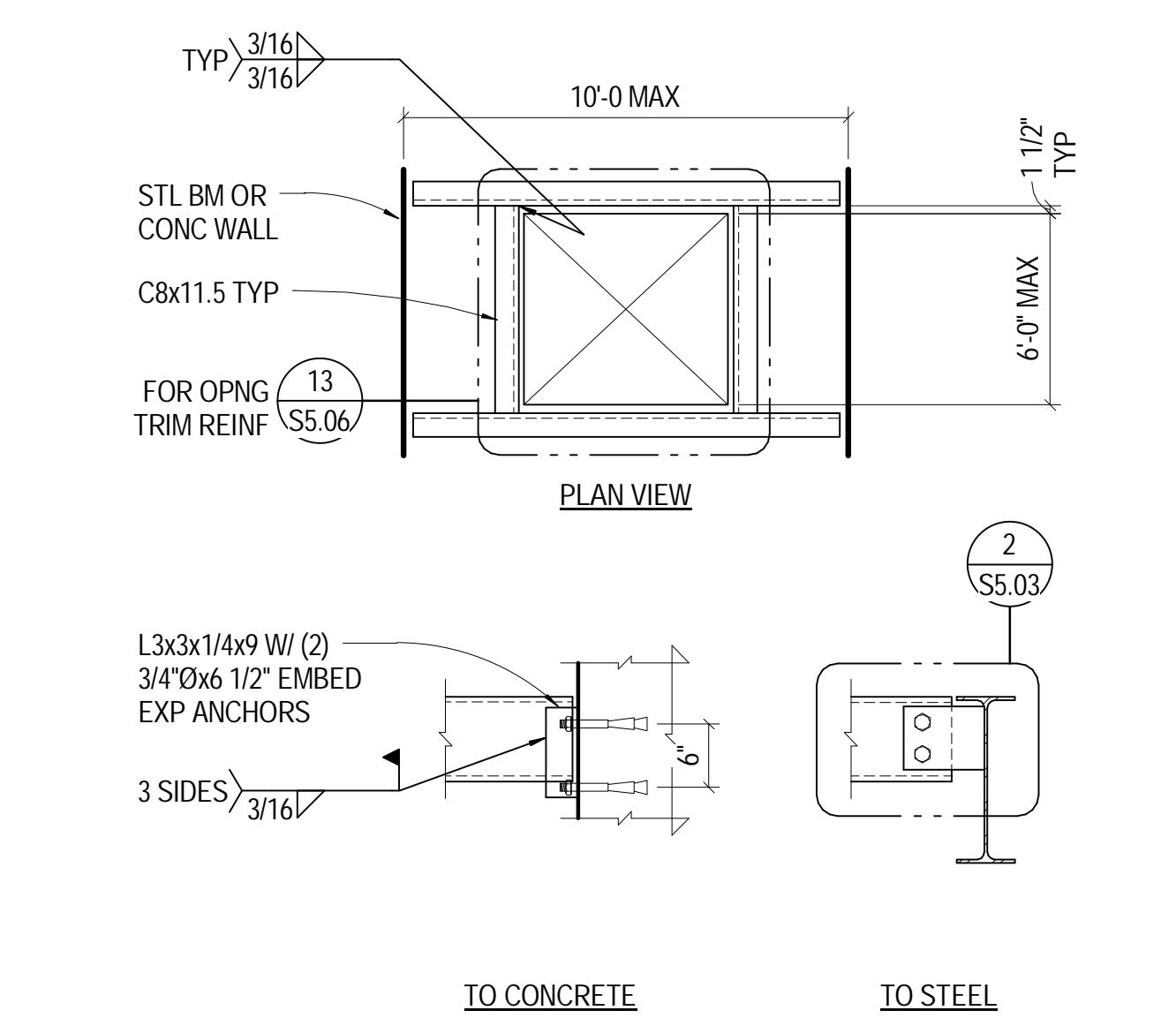
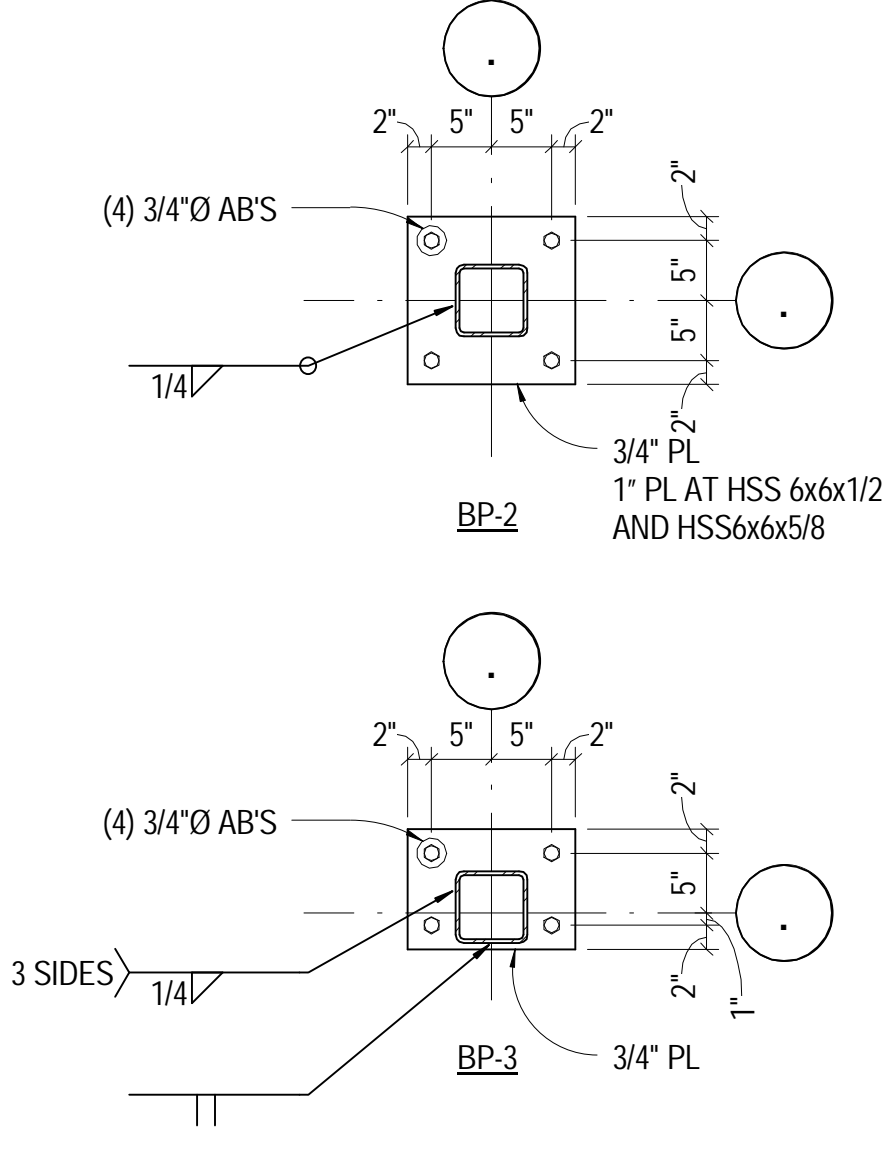


13 1/2" = 1'-0" TYP MTL DECK OPNG TRIM REINF

9 3/4" = 1'-0" SECTION AT RUNNING TRACK

5 3/4" = 1'-0" SECTION AT FLOOR AT TRACK

1 1" = 1'-0" FLOOR SLAB EDGE

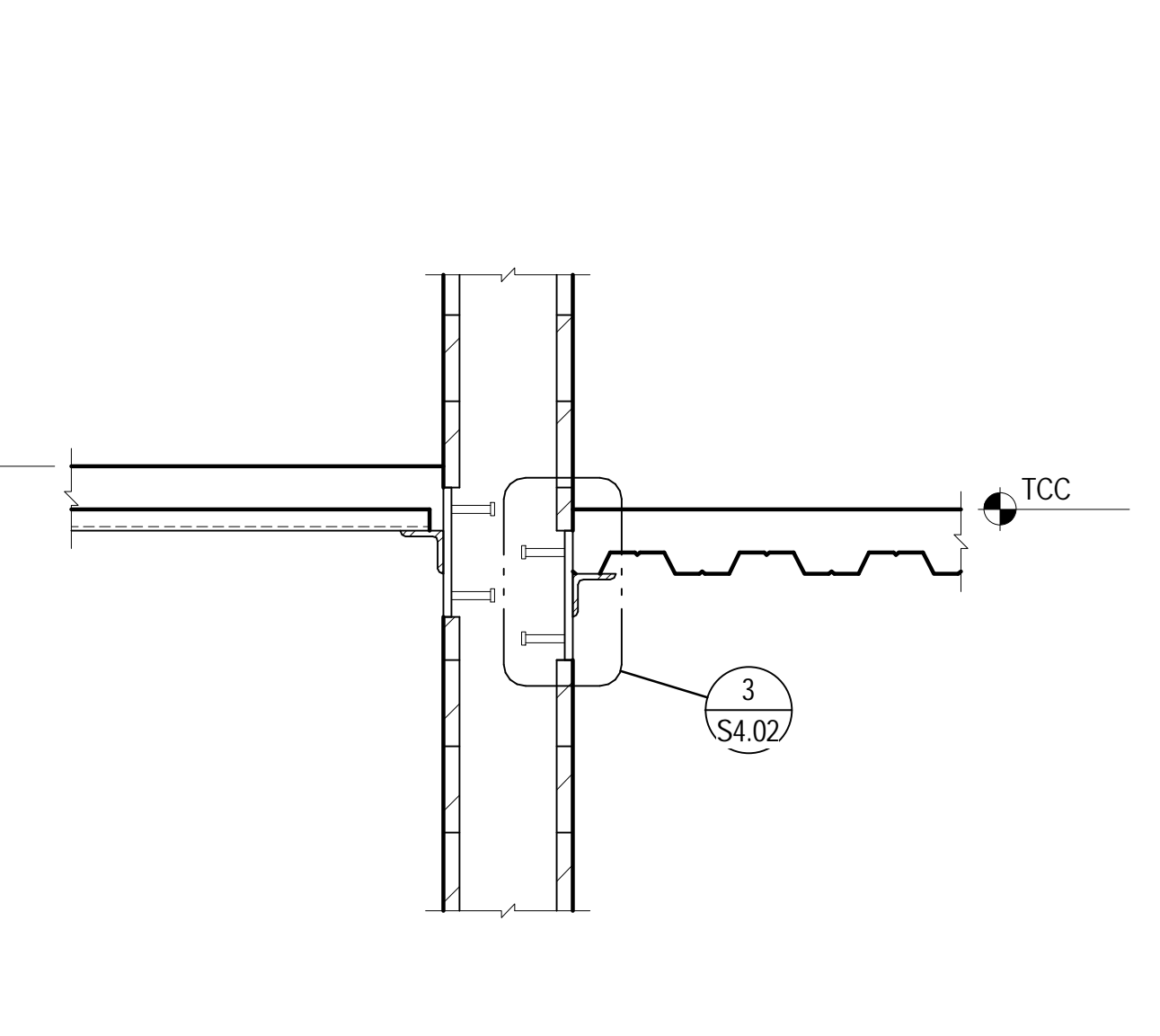
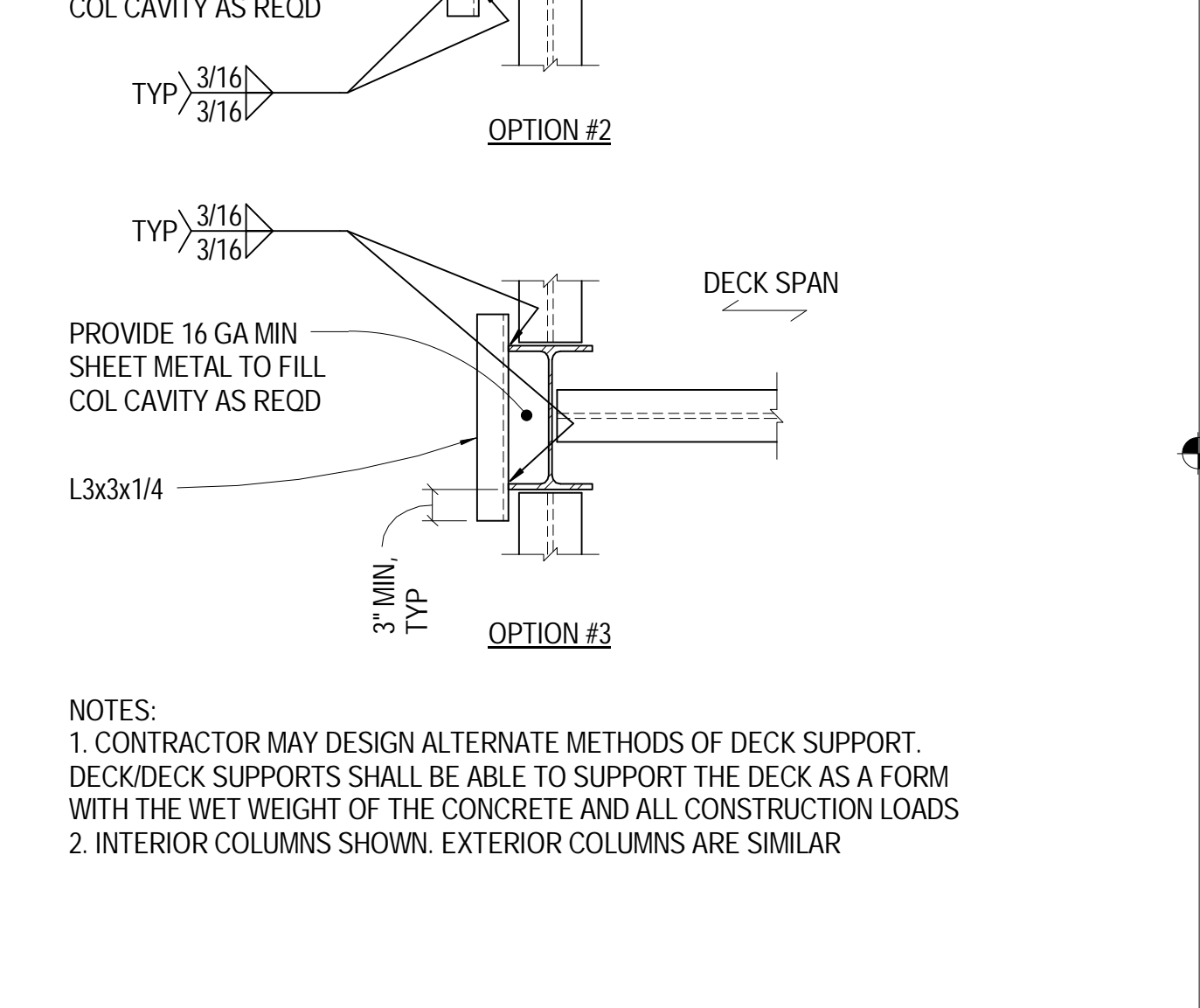
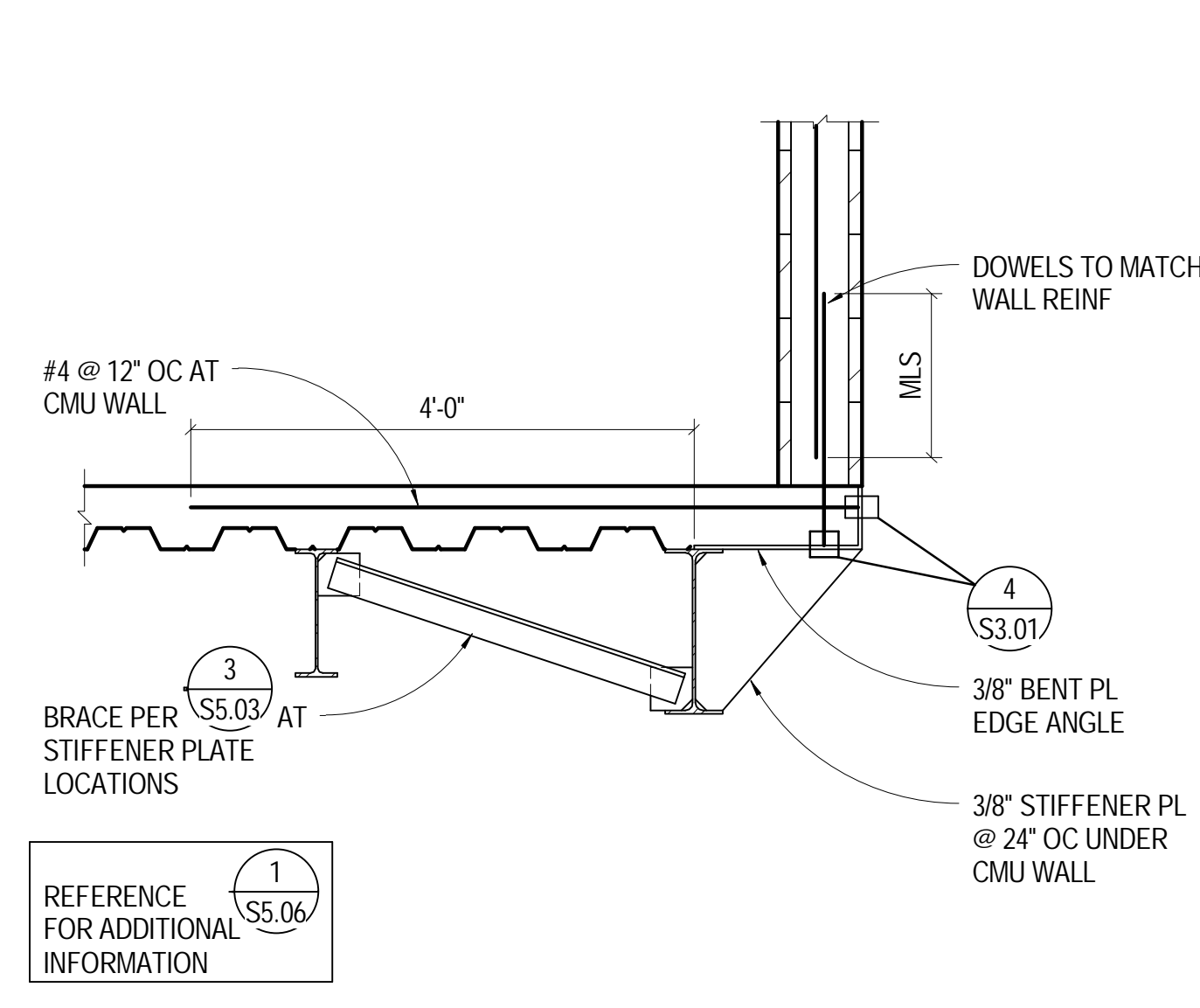
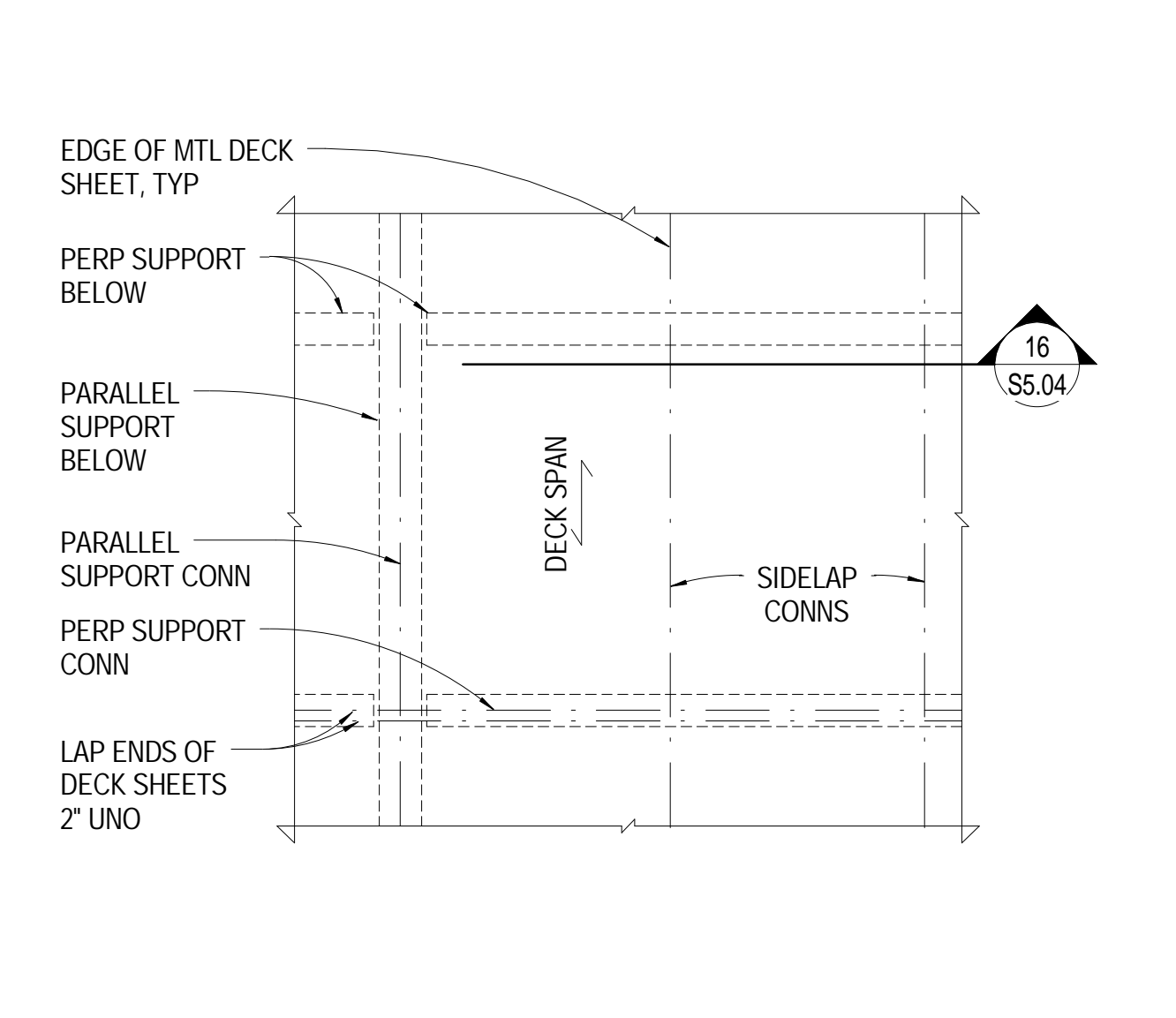
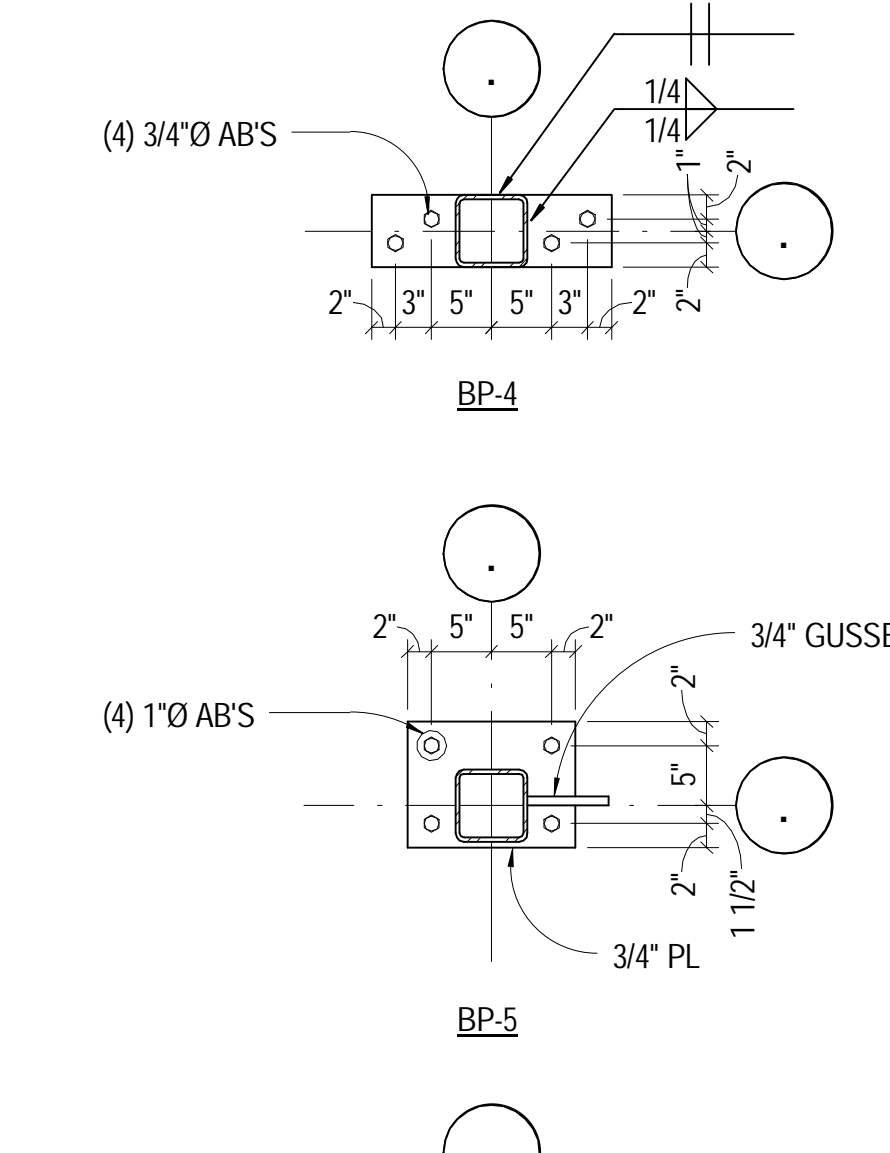


14 3/4" = 1'-0" TYP METAL DECK SLAB OPENING- 5

10 3/4" = 1'-0" FRAMING CONN AT RUNNING TRACK

OPTION #2

2 3/4" = 1'-0" METAL DECK AT CMU WALL (DECK PERPENDICULAR)

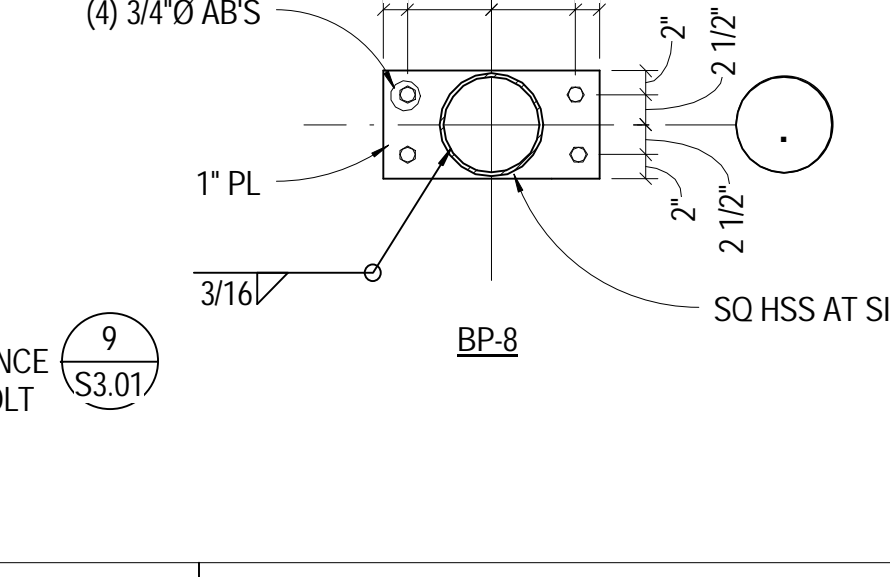
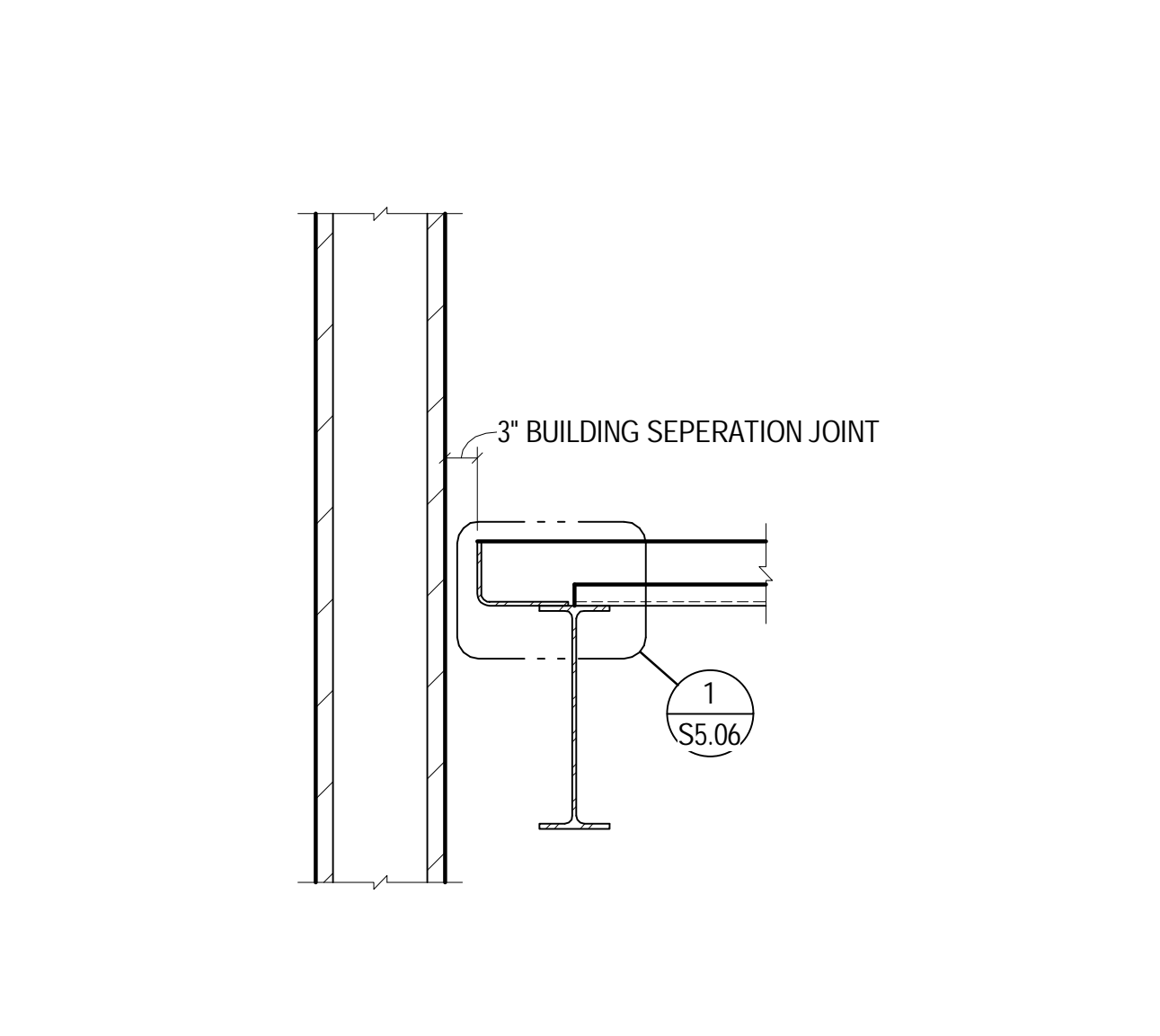
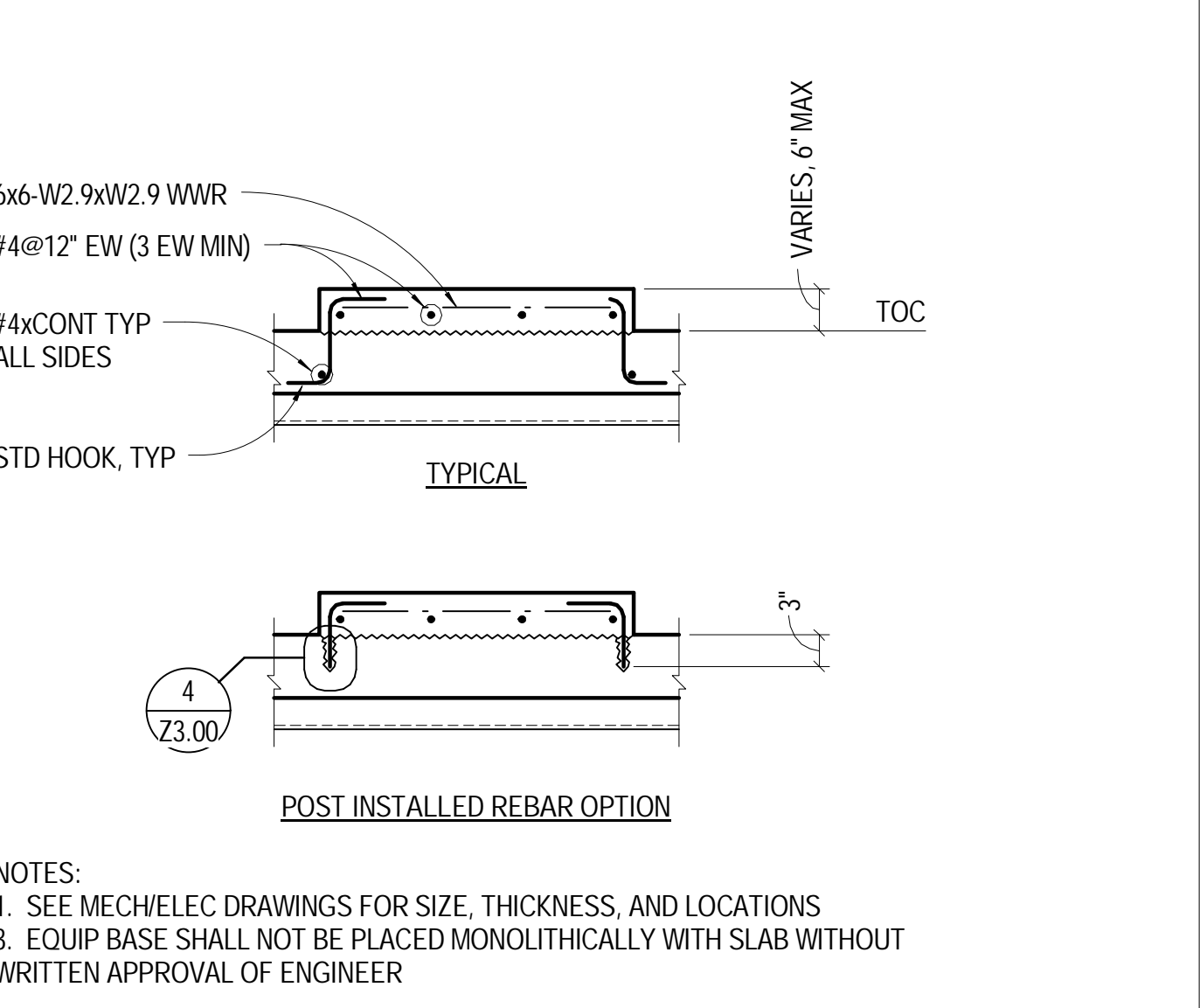
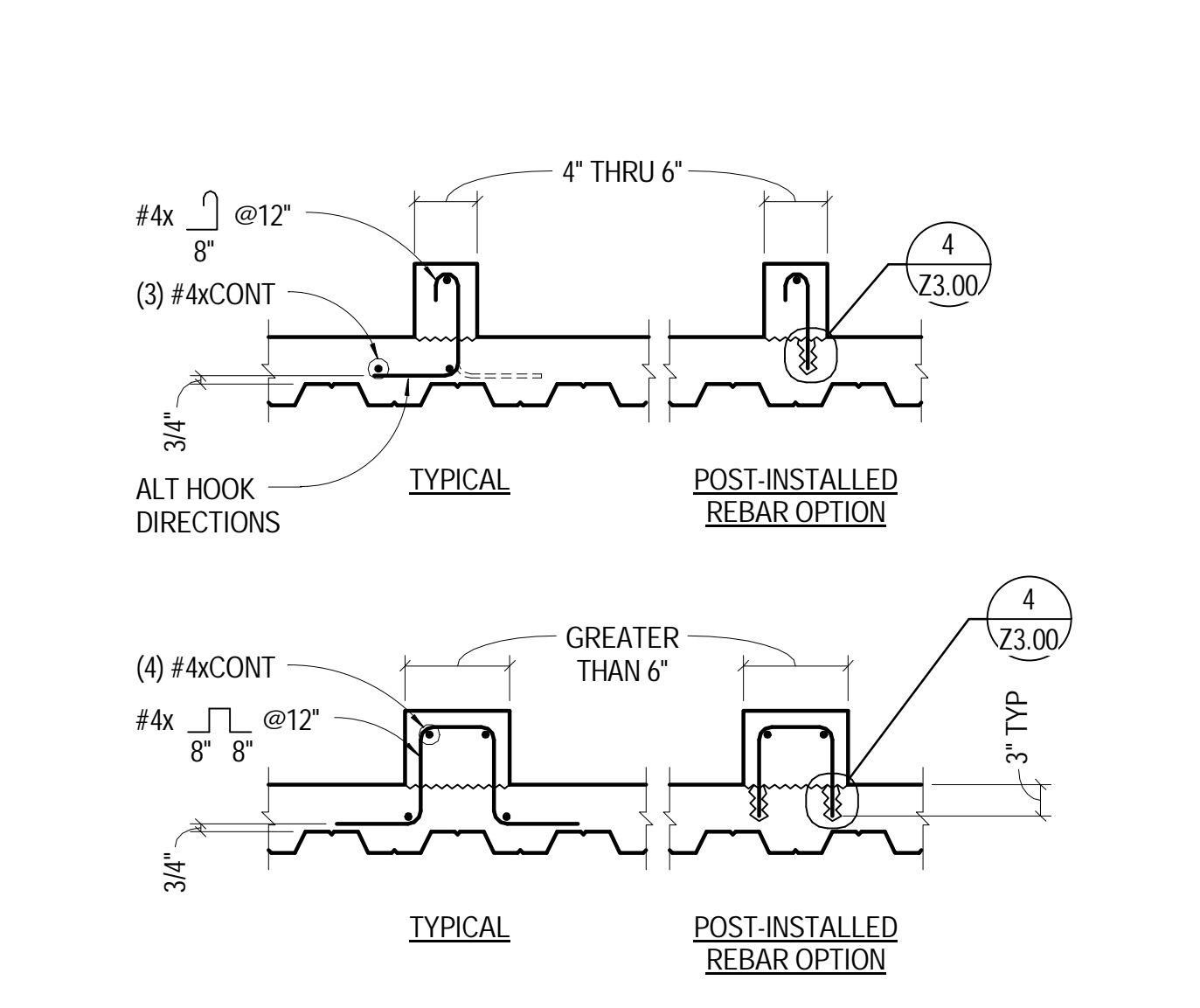
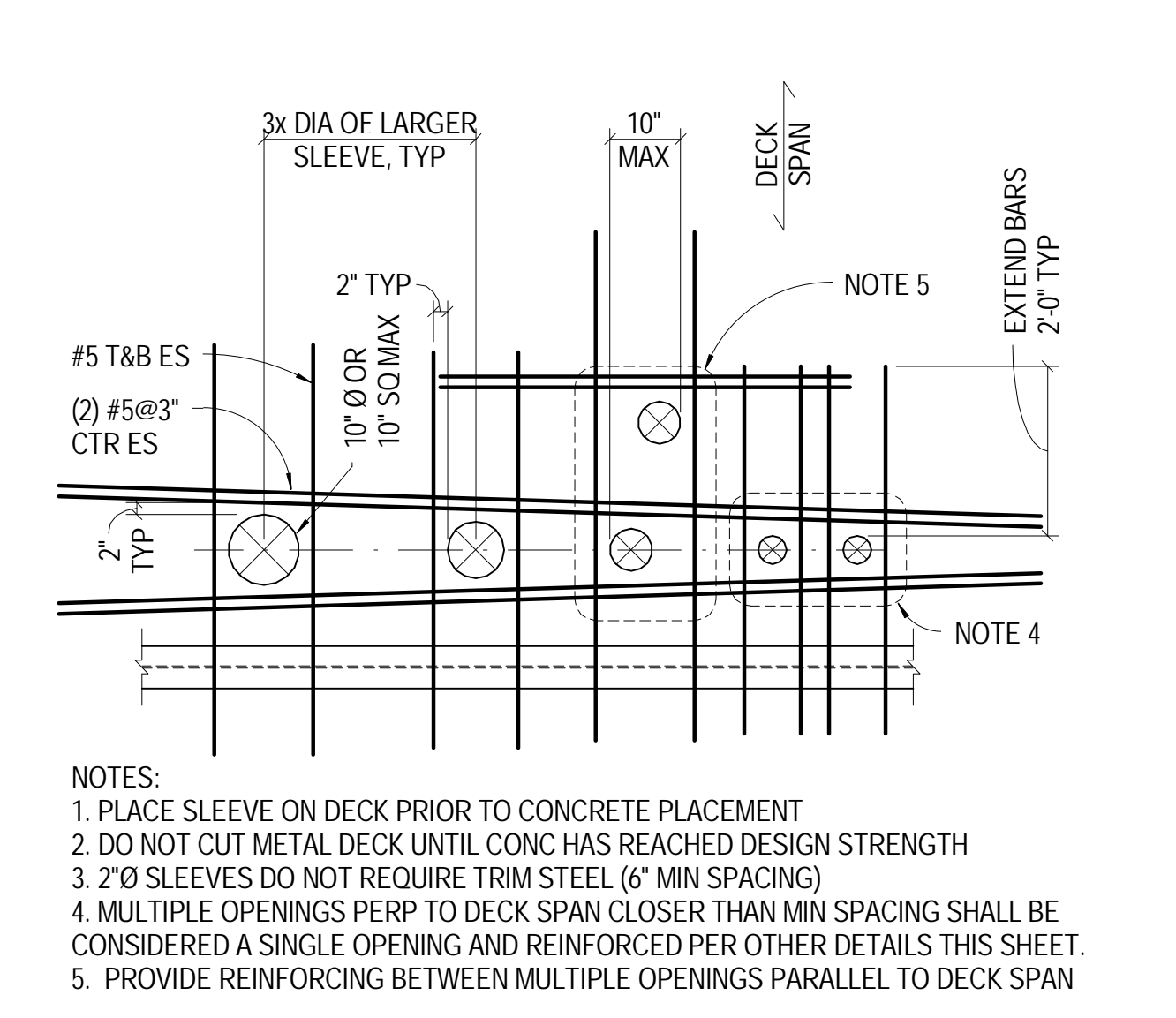
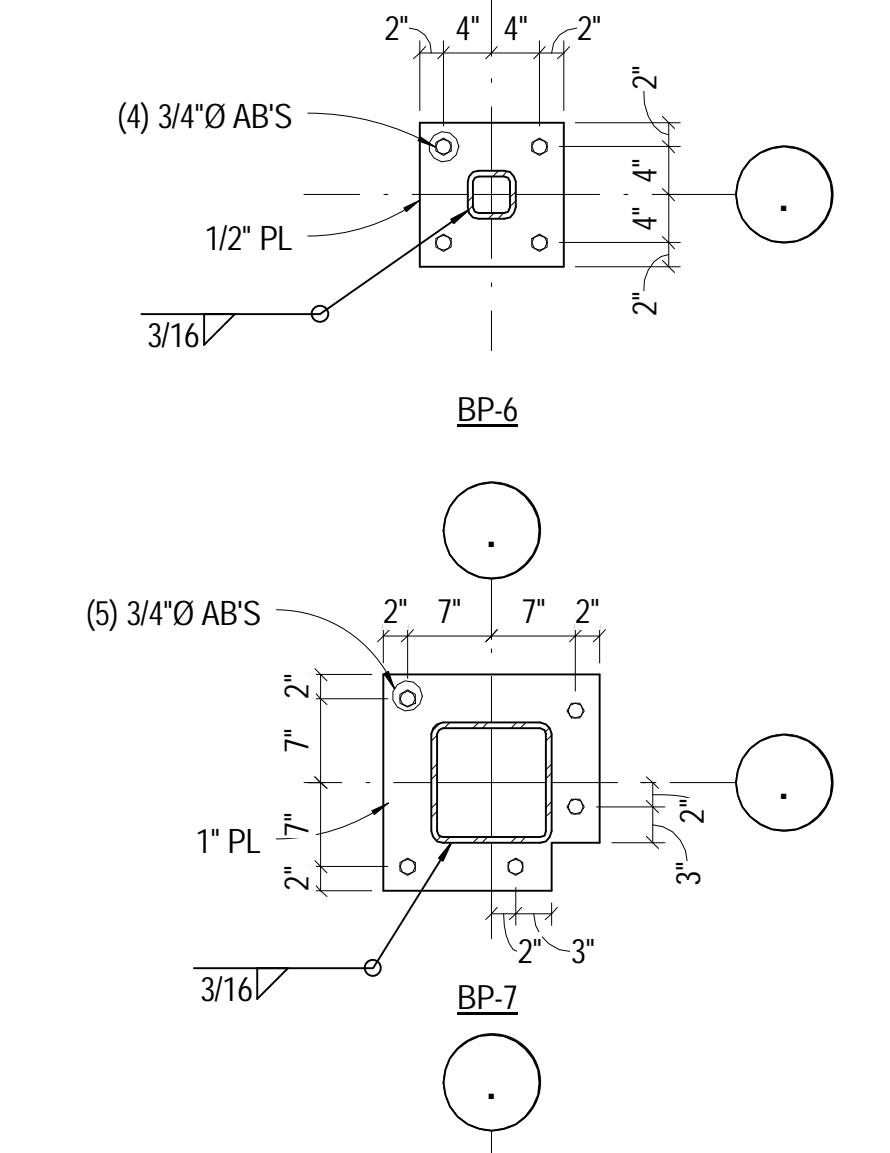


15 3/8" = 1'-0" ROOF/FORM DECK CONNECTIONS

11 3/4" = 1'-0" CMU PARTITION WALL AT SLAB EDGE

7 3/4" = 1'-0" TYP MTL DECK SUPPORT AT COL

3 3/4" = 1'-0" DECK BEARING AT FLOOR & TRACK



16 1/2" = 1'-0" TYP METAL DECK SLAB SLEEVES

12 NO SCALE TYP CONC EQUIPMENT BASE

4 3/4" = 1'-0" COMPOSITE SLAB AT BUILDING SEPERATION

20 3/4" = 1'-0" BASE PLATES

PROFESSIONAL ENGINEER
26118
09-22-09

SINK COMBS DETHLEFS
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.358.0201
303.358.0222
FAX 303.358.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLFAX AVENUE
P.O. BOX 185000
LAKWOOD, COLORADO 80428
303.431.6100
FAX 303.431.6886

KEY PLAN

Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

M/M Project No.: 21468.S.01

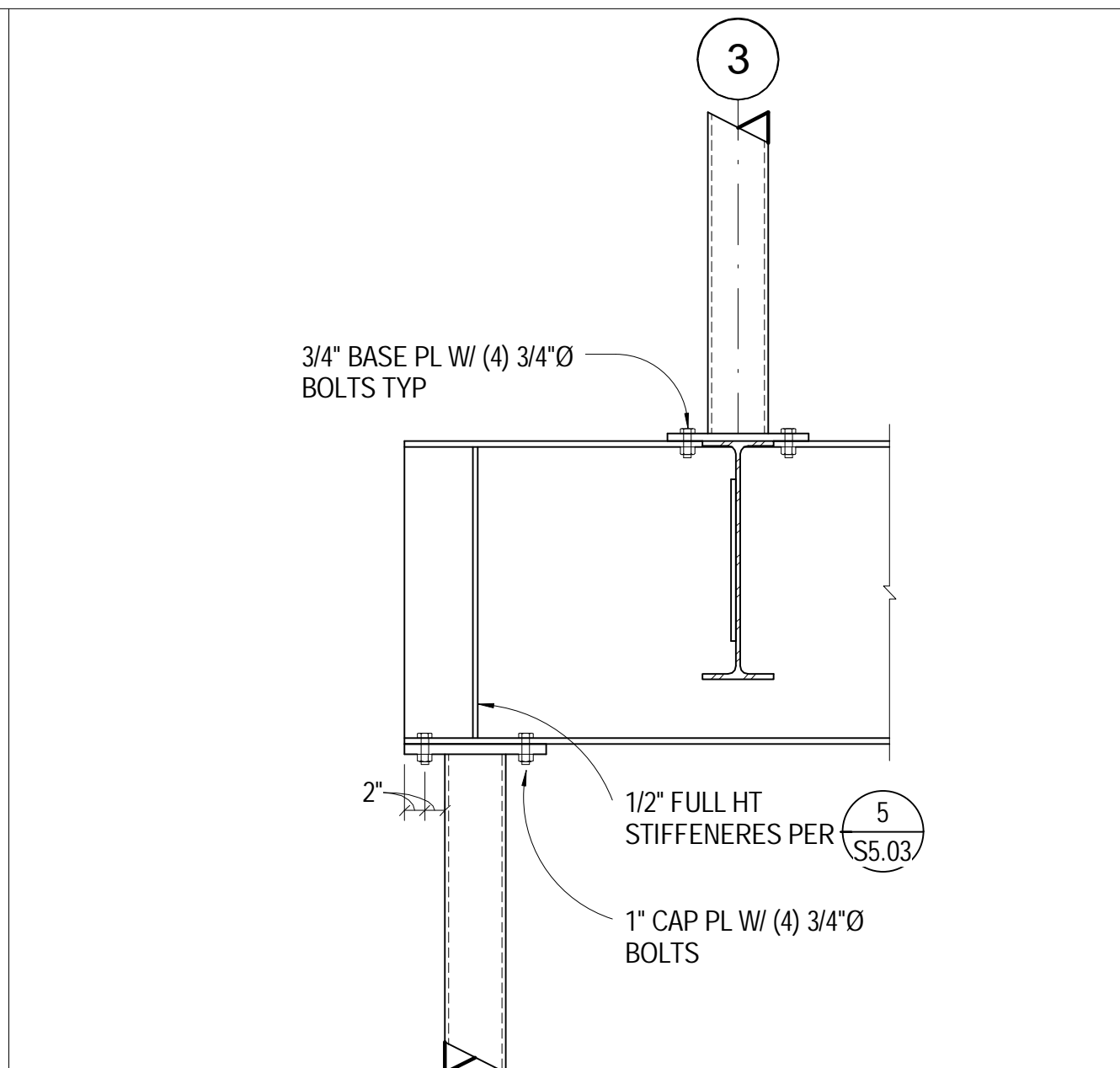
STEEL DETAILS

Drawn By: DE, LB
Checked By: BN, GS

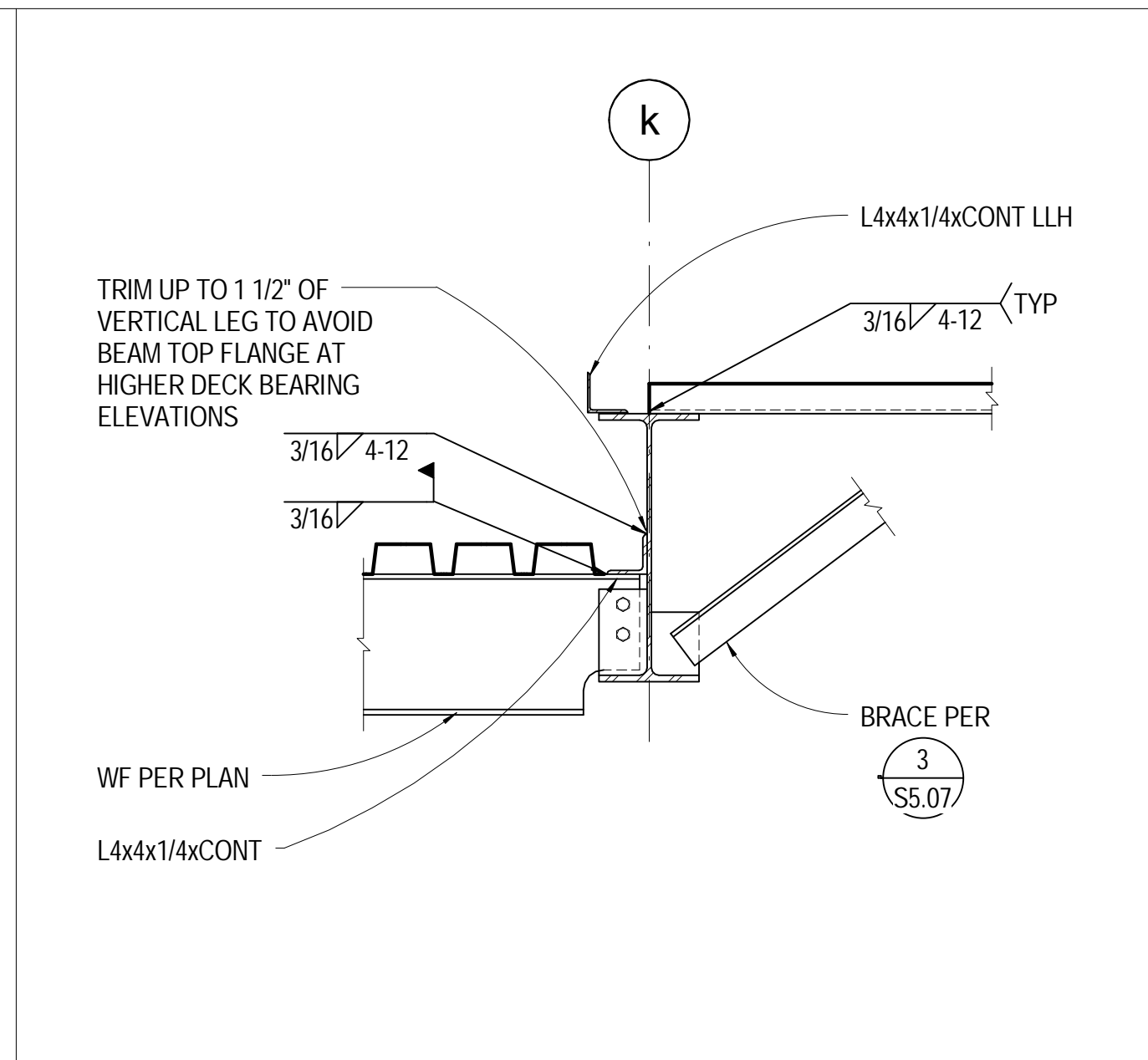
NOTES: REFERENCE FOR ANCHOR BOLT INFORMATION

NOTES:
1. PLACE SLEEVE ON DECK PRIOR TO CONCRETE PLACEMENT
2. DO NOT CUT METAL DECK UNTIL CONC HAS REACHED DESIGN STRENGTH
3. 2" O SLEEVES DO NOT REQUIRE TRIM STEEL (6" MIN SPACING)
4. MULTIPLE OPENINGS PERP TO DECK SPAN CLOSER THAN MIN SPACING SHALL BE CONSIDERED A SINGLE OPENING AND REINFORCED PER OTHER DETAILS THIS SHEET.
5. PROVIDE REINFORCING BETWEEN MULTIPLE OPENINGS PARALLEL TO DECK SPAN

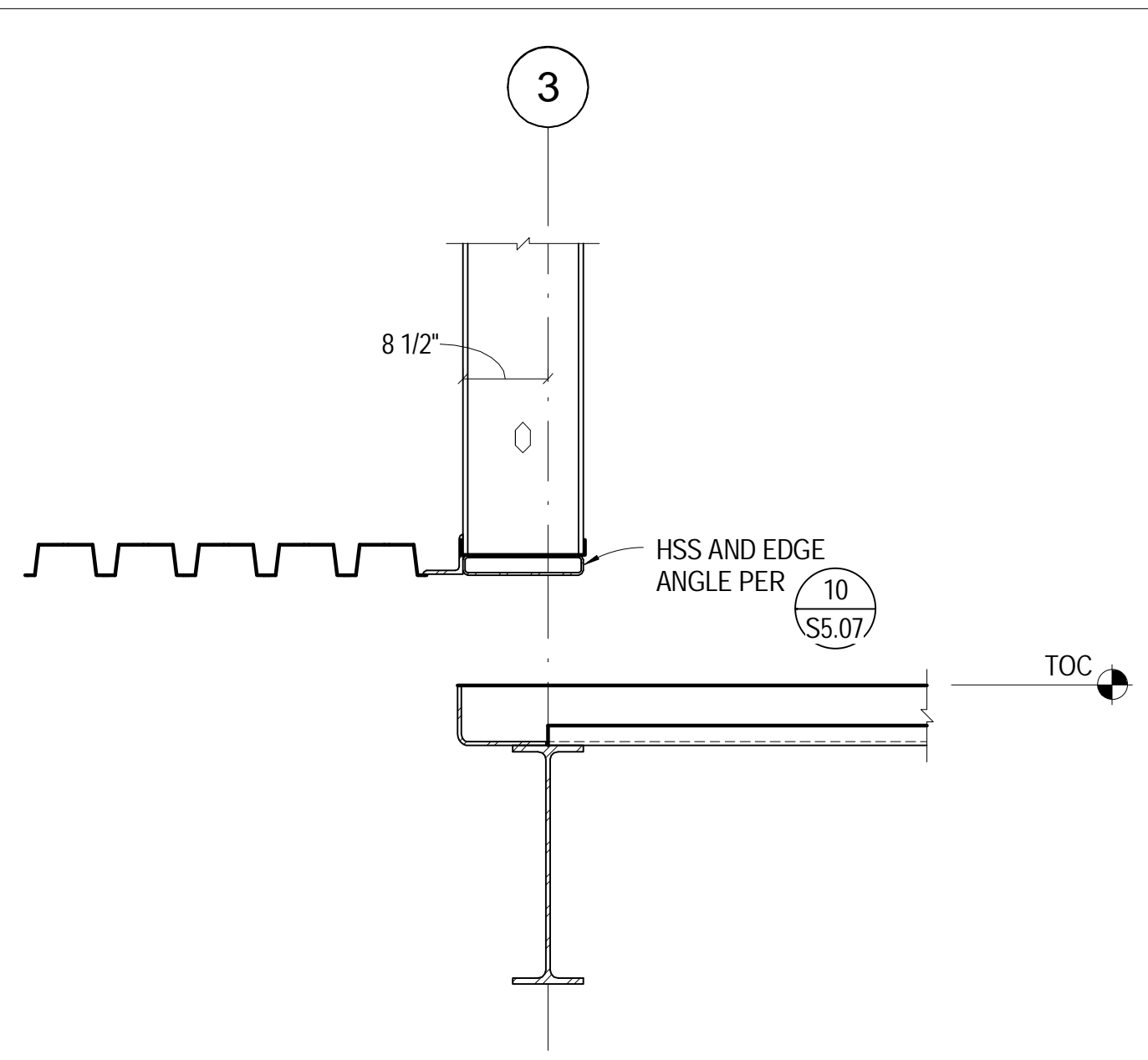
NOTES:
1. SEE MECH/ELEC DRAWINGS FOR SIZE, THICKNESS, AND LOCATIONS
3. EQUIP BASE SHALL NOT BE PLACED MONOLITHICALLY WITH SLAB WITHOUT WRITTEN APPROVAL OF ENGINEER



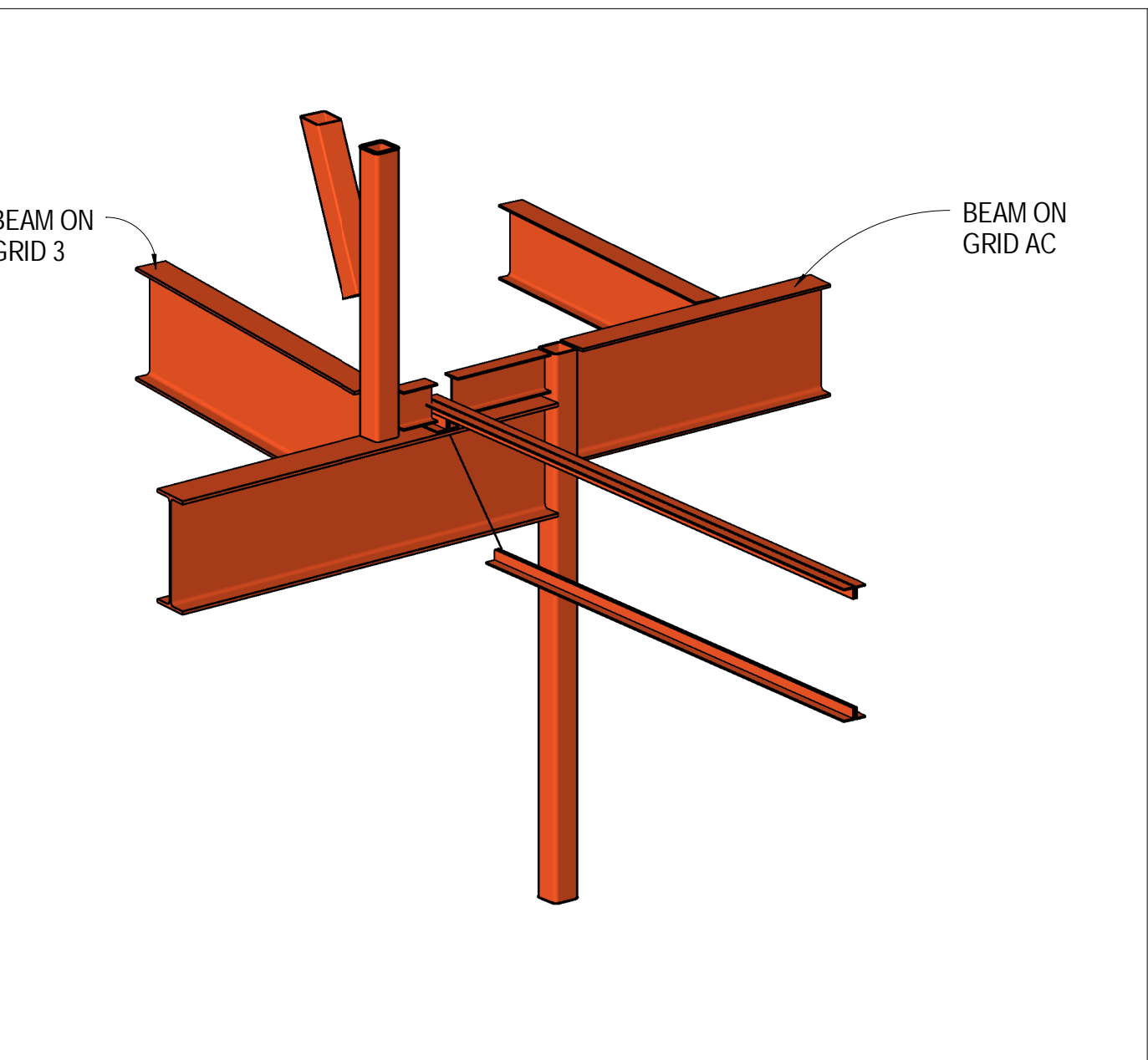
17 3/4" = 1'-0" TRANSFER BEAM AT ENTRY 1



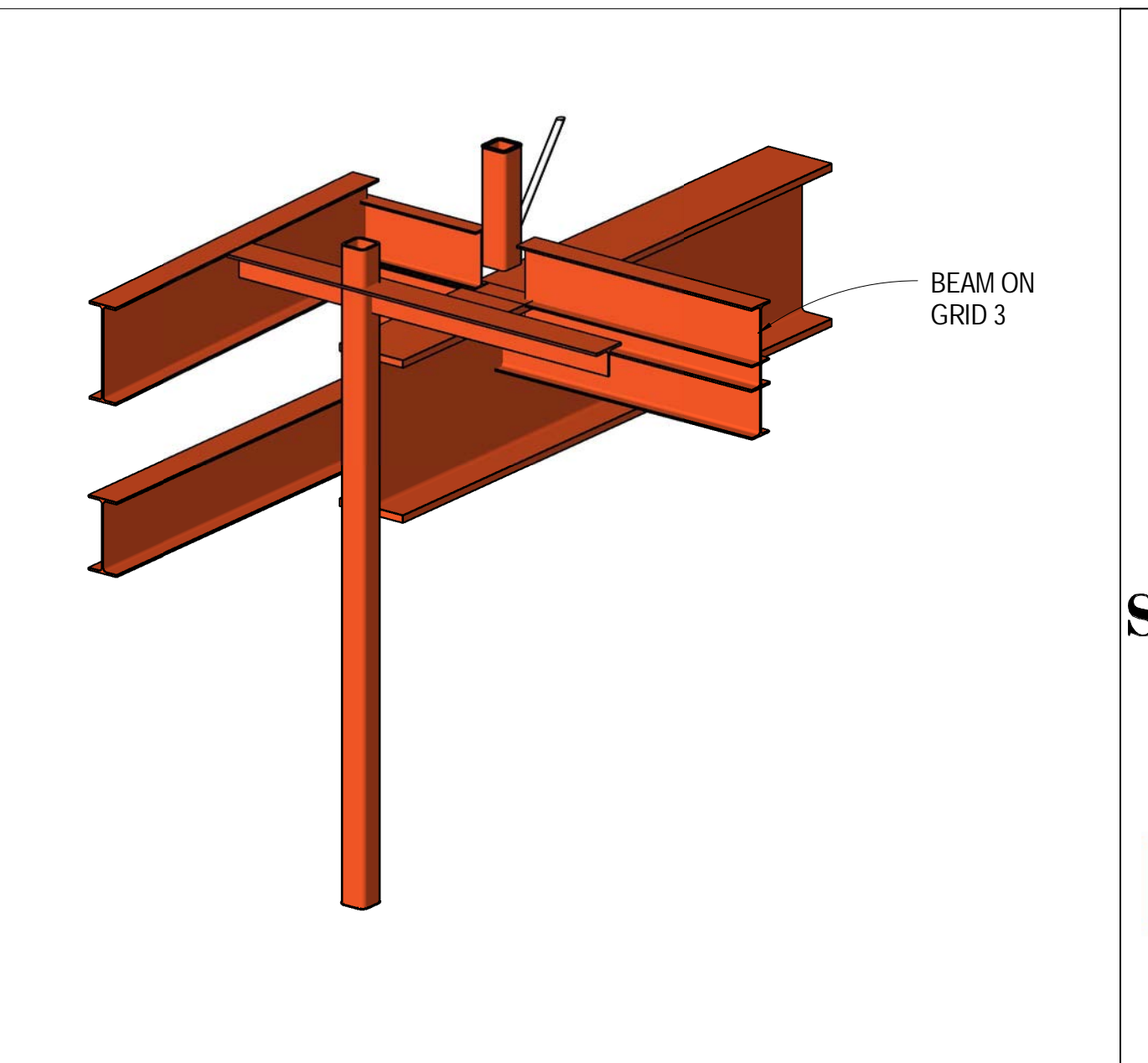
13 3/4" = 1'-0" STEP AT GRID K - BEAM LOW



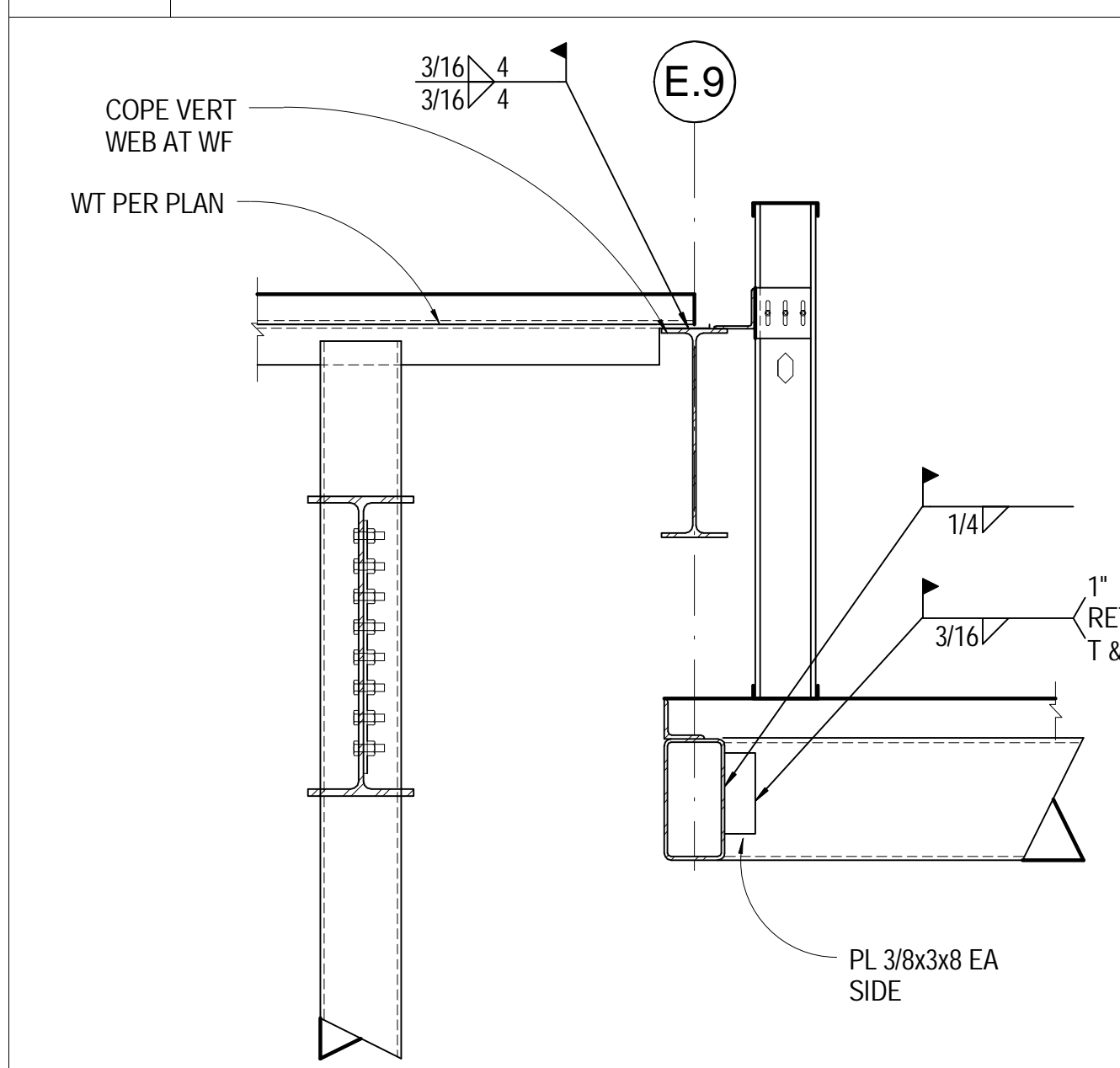
9 3/4" = 1'-0" SECTION AT GRID 3 BEAM LOW



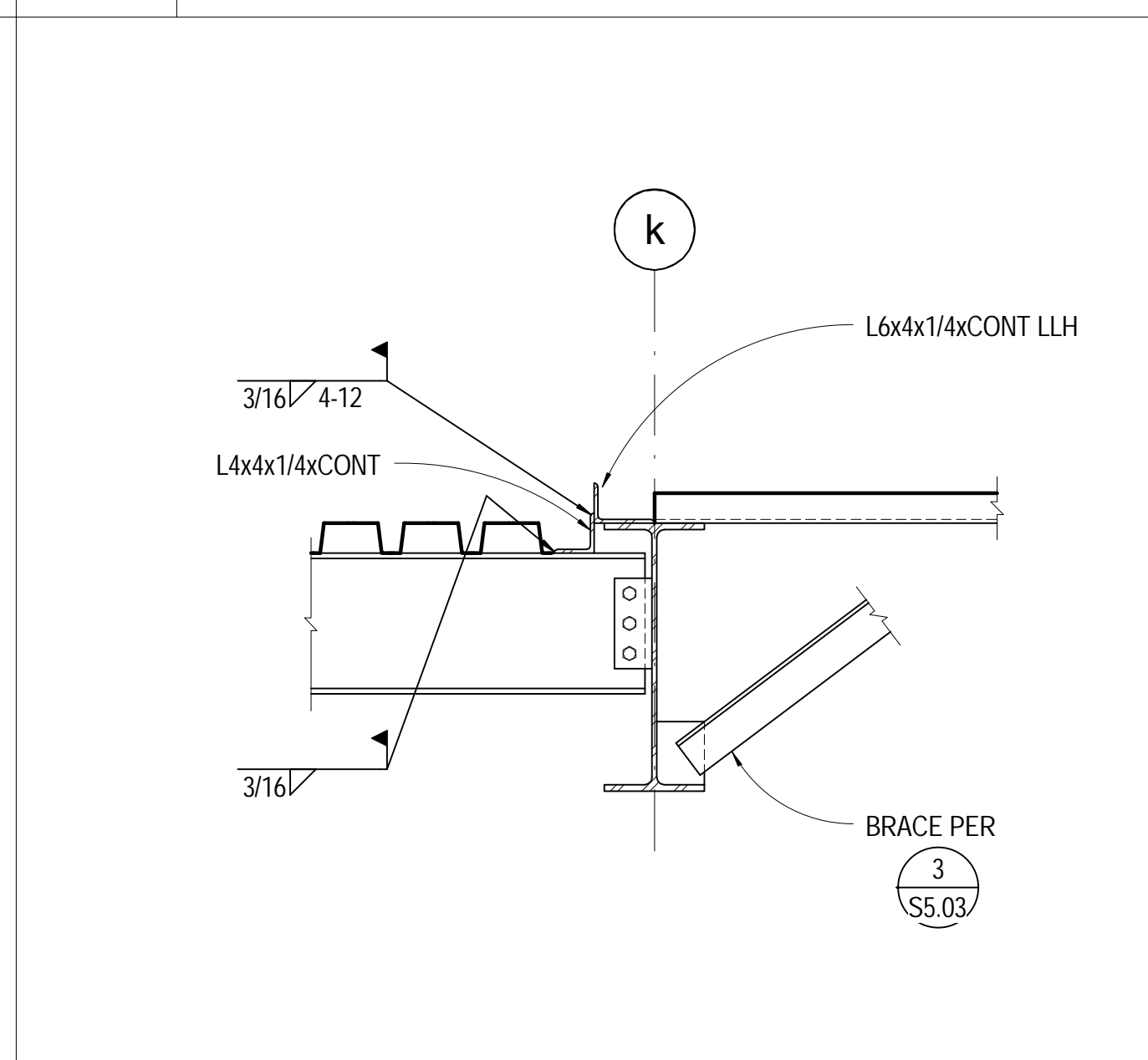
5 NO SCALE FRAMING AT GRIDS 3-AC



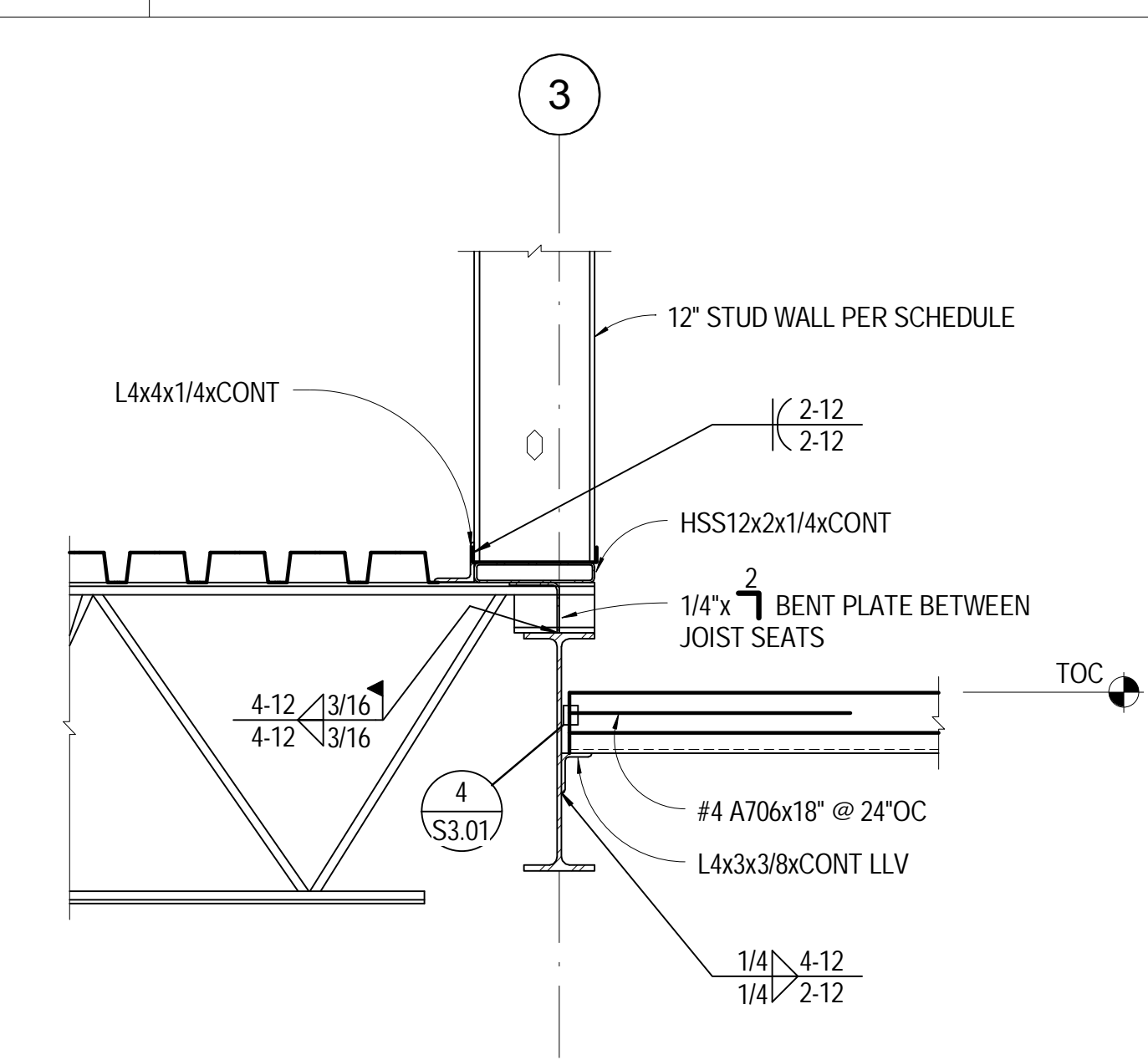
1 NO SCALE FRAMING AT GRIDS 3-F



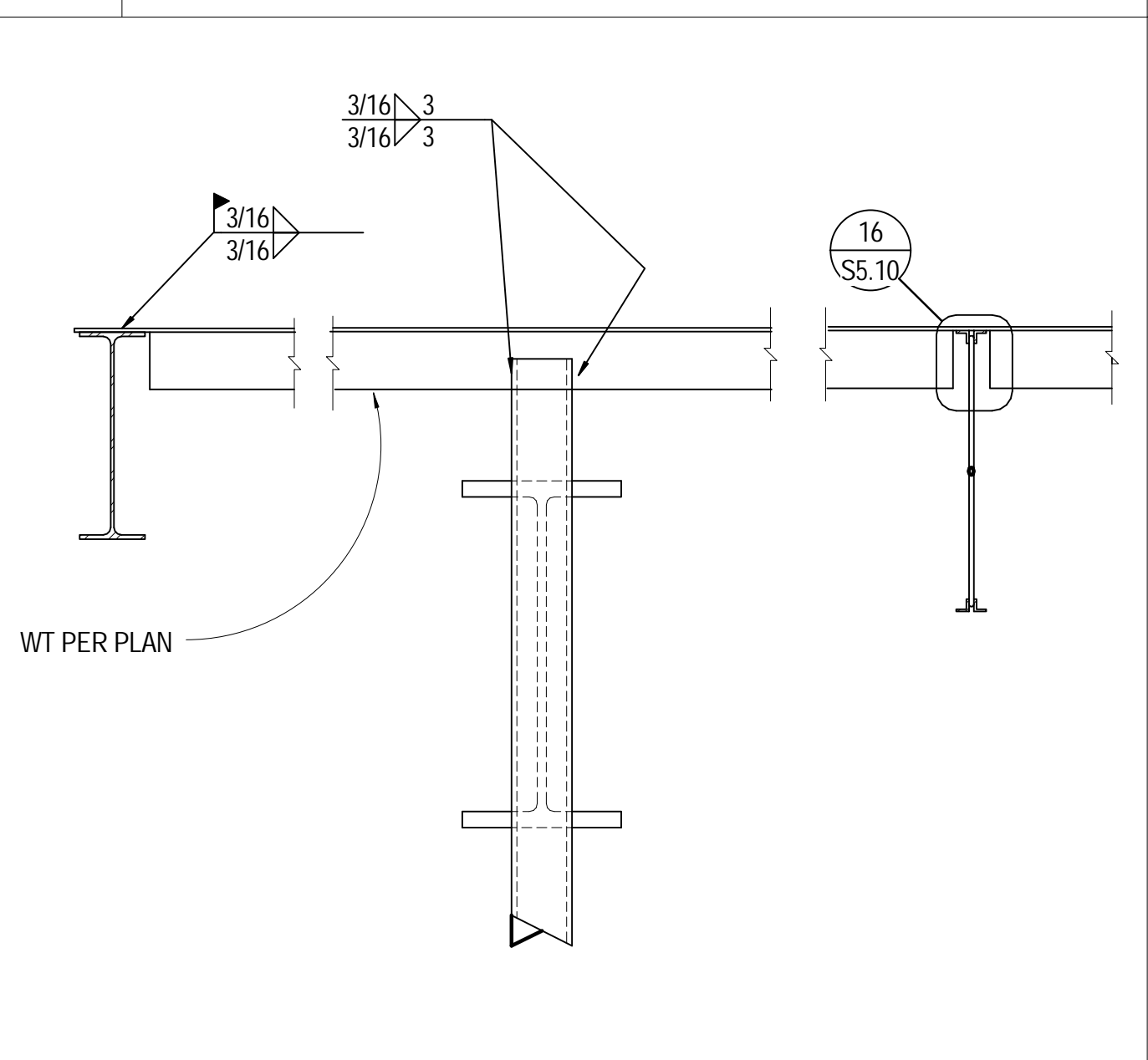
18 3/4" = 1'-0" TRANSFER BEAM AT ENTRY 2



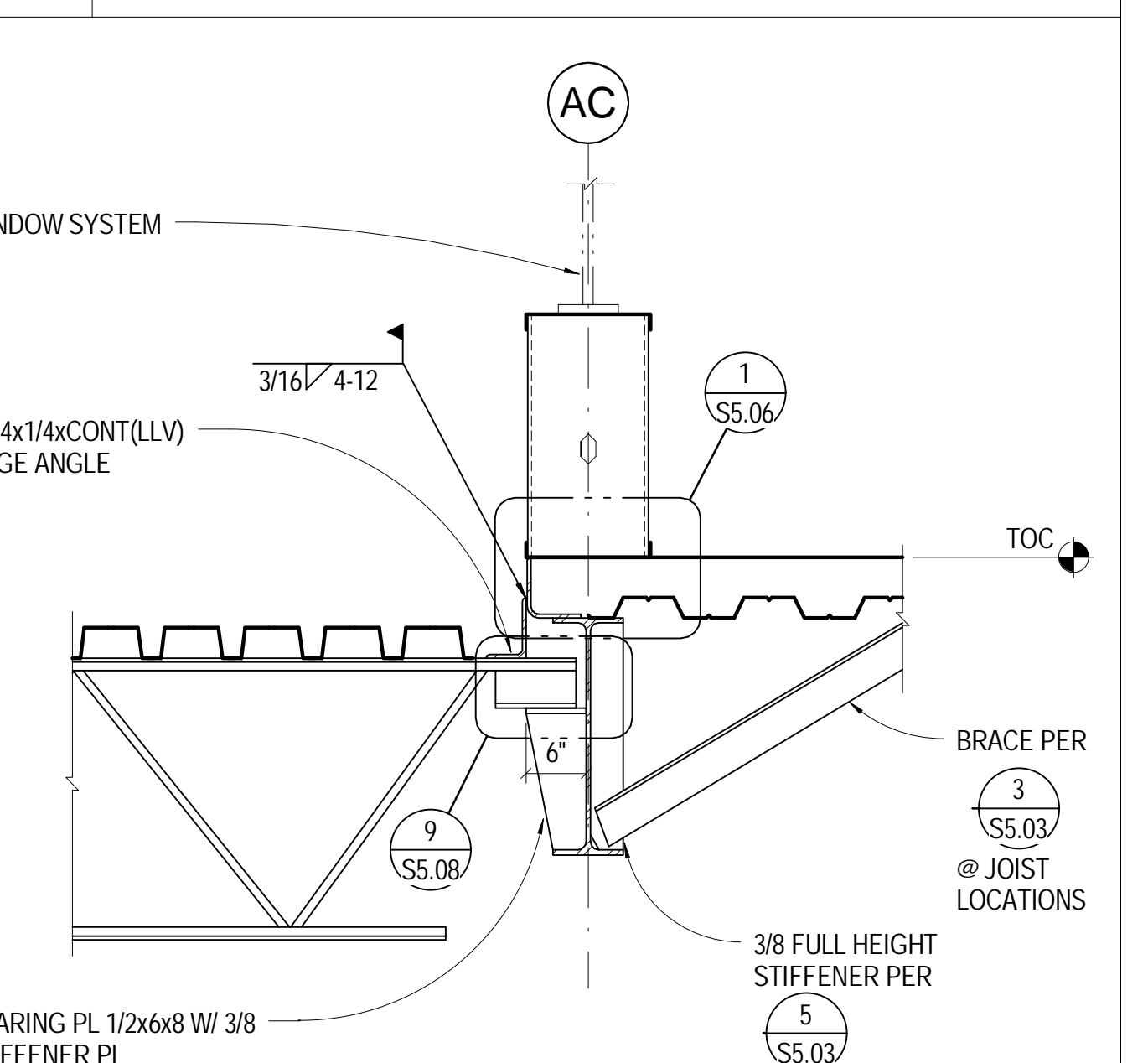
14 3/4" = 1'-0" STEP AT GRID K - BEAM HIGH



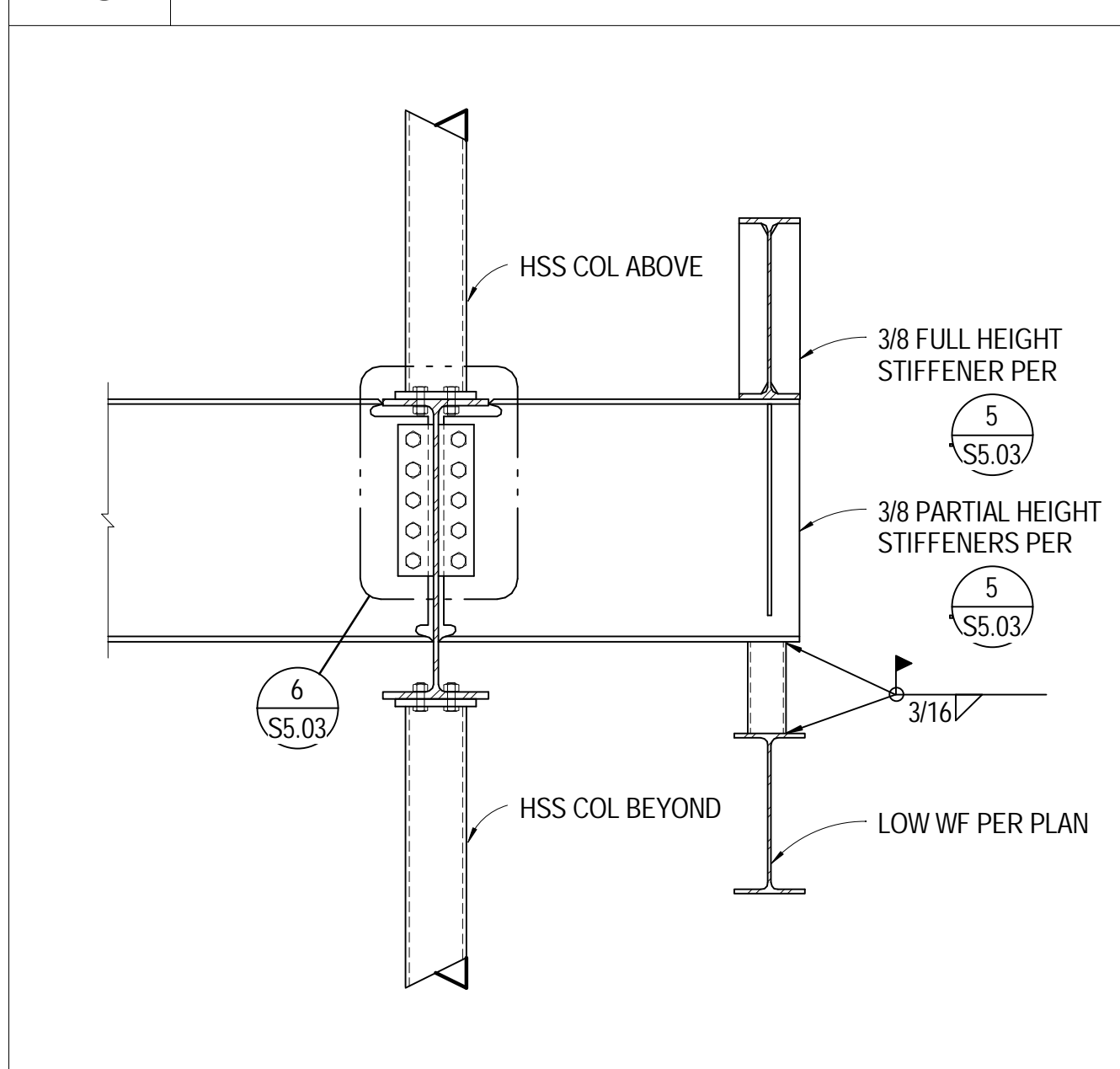
10 3/4" = 1'-0" SECTION AT GRID 3 BEAM HIGH



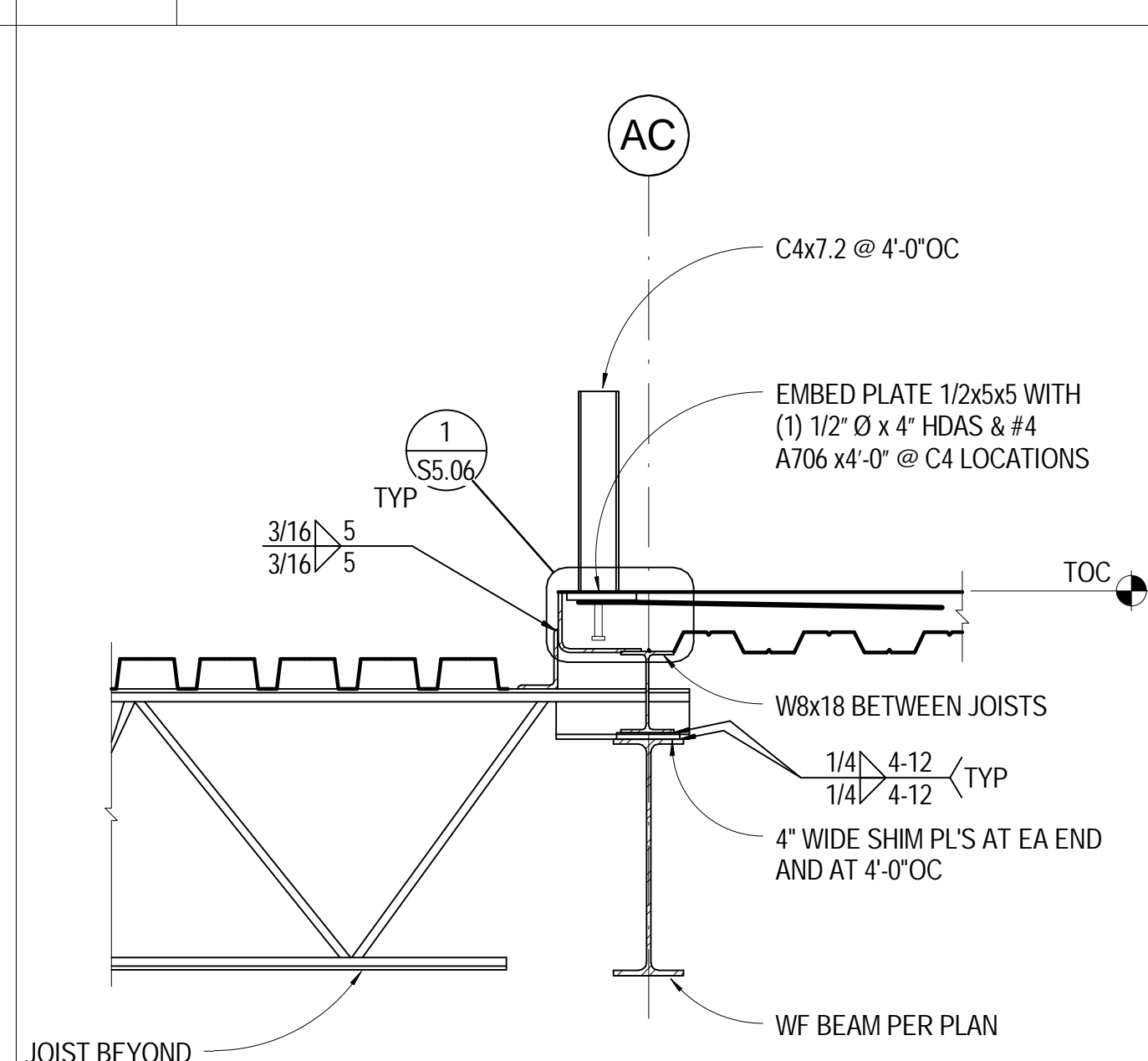
6 3/4" = 1'-0" COL BRACE AT TRANSFER BEAM



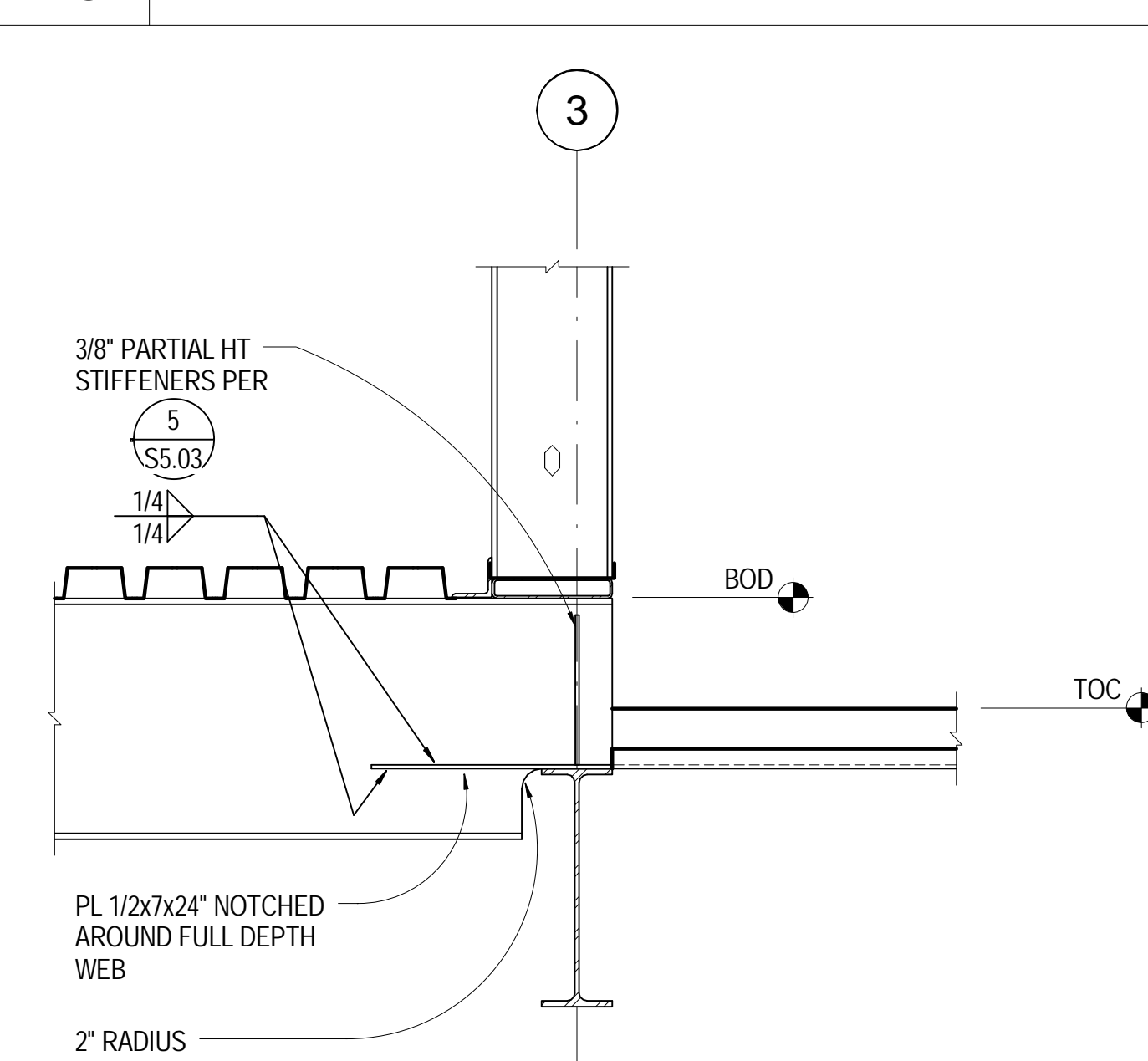
2 3/4" = 1'-0" FLOOR/LOW ROOF AT GRID AC



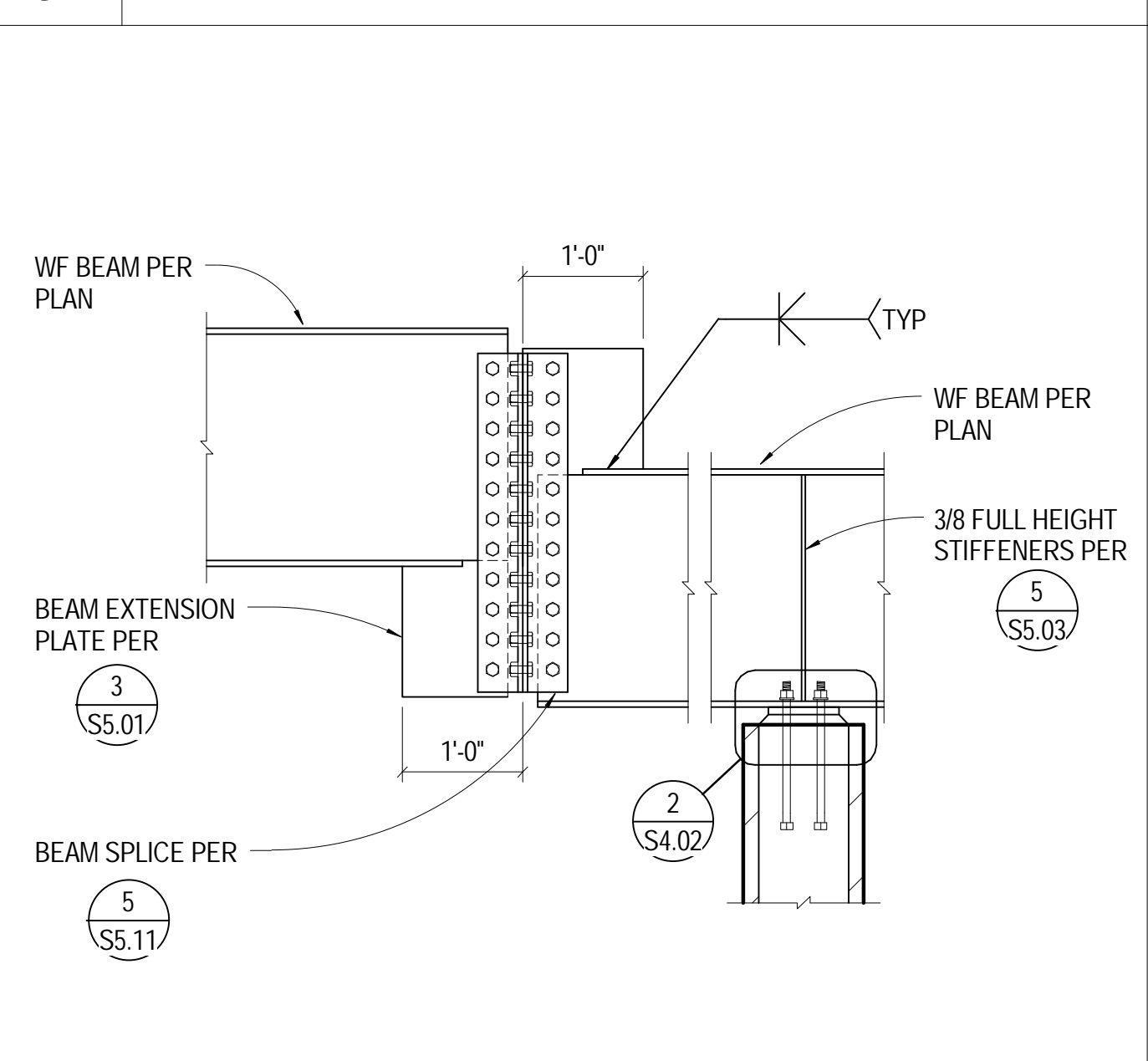
19 3/4" = 1'-0" TRANSFER BEAM AT ENTRY 3



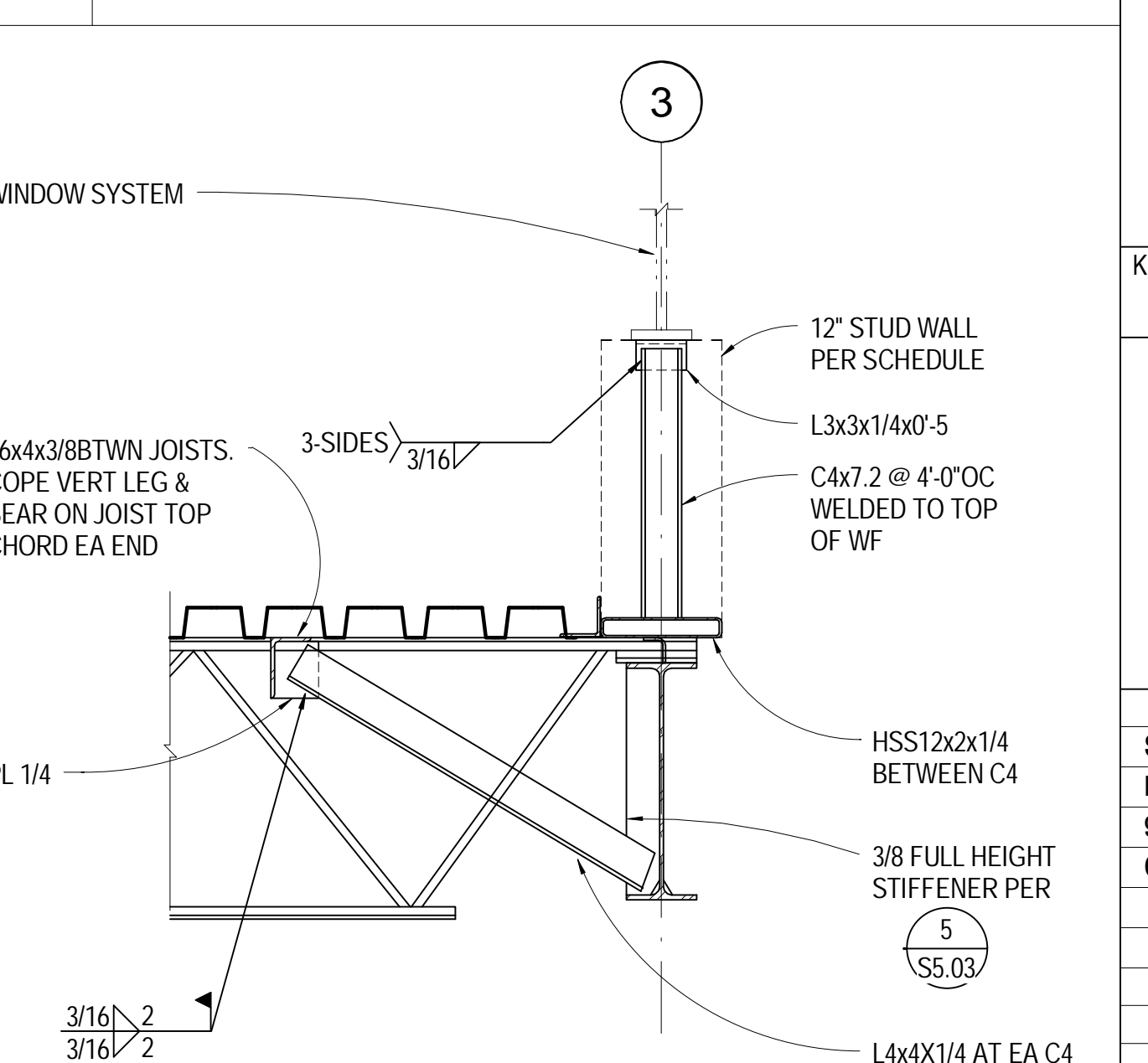
15 3/4" = 1'-0" LOW ROOF AT GRID AC



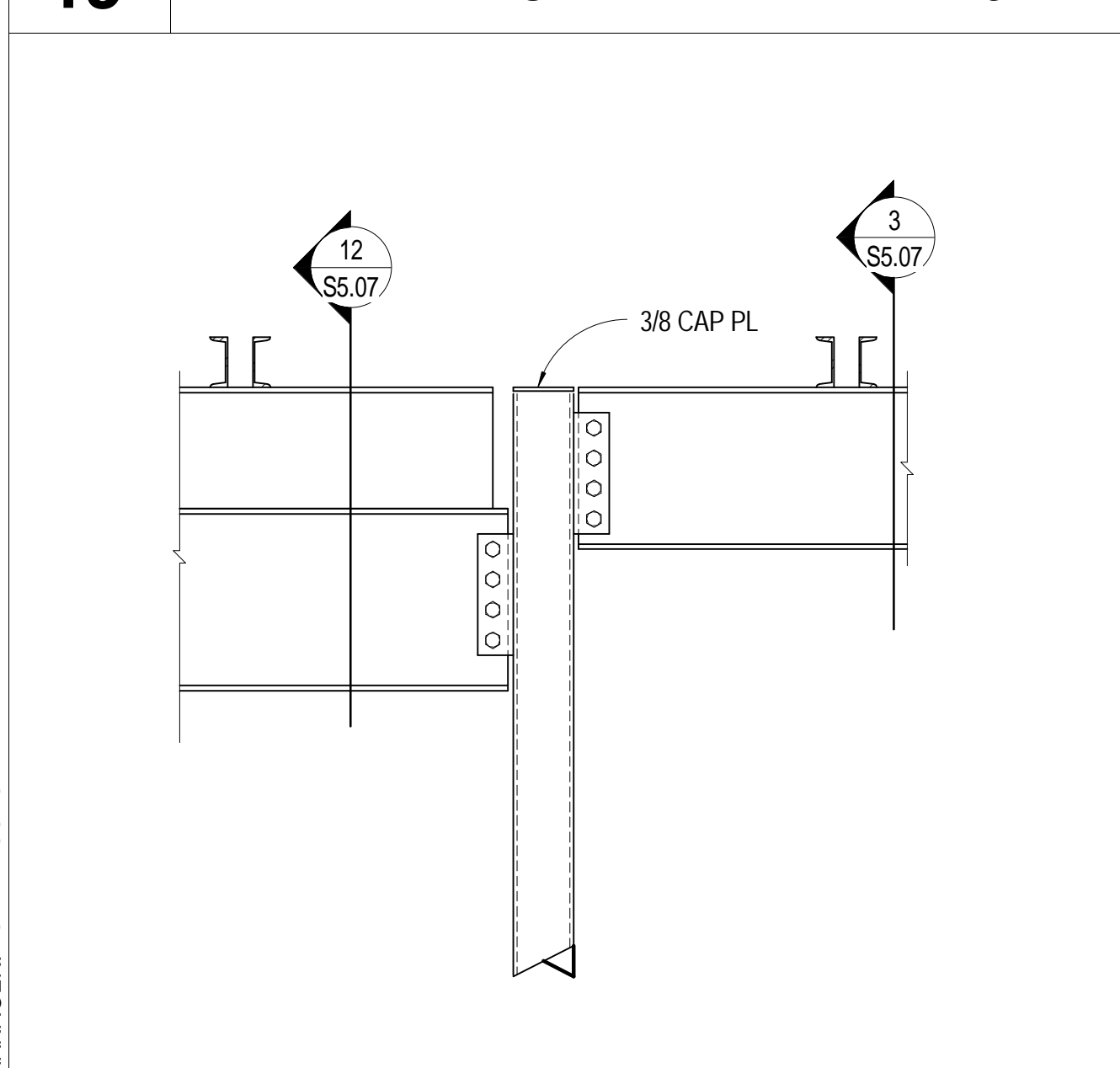
11 3/4" = 1'-0" WF BEAM CONN AT GRID K-3



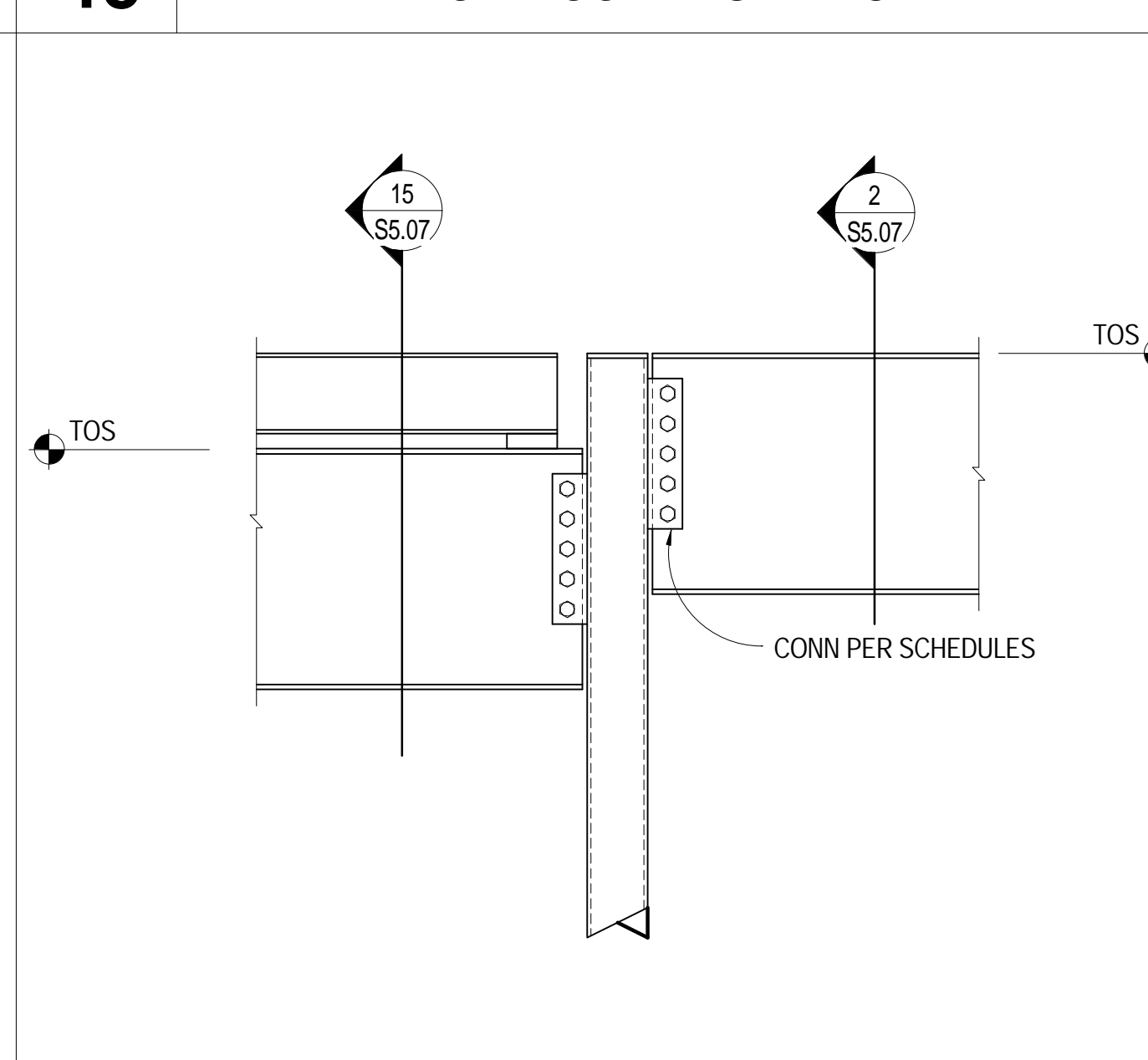
7 3/4" = 1'-0" OFFSET BEAM SPLICE



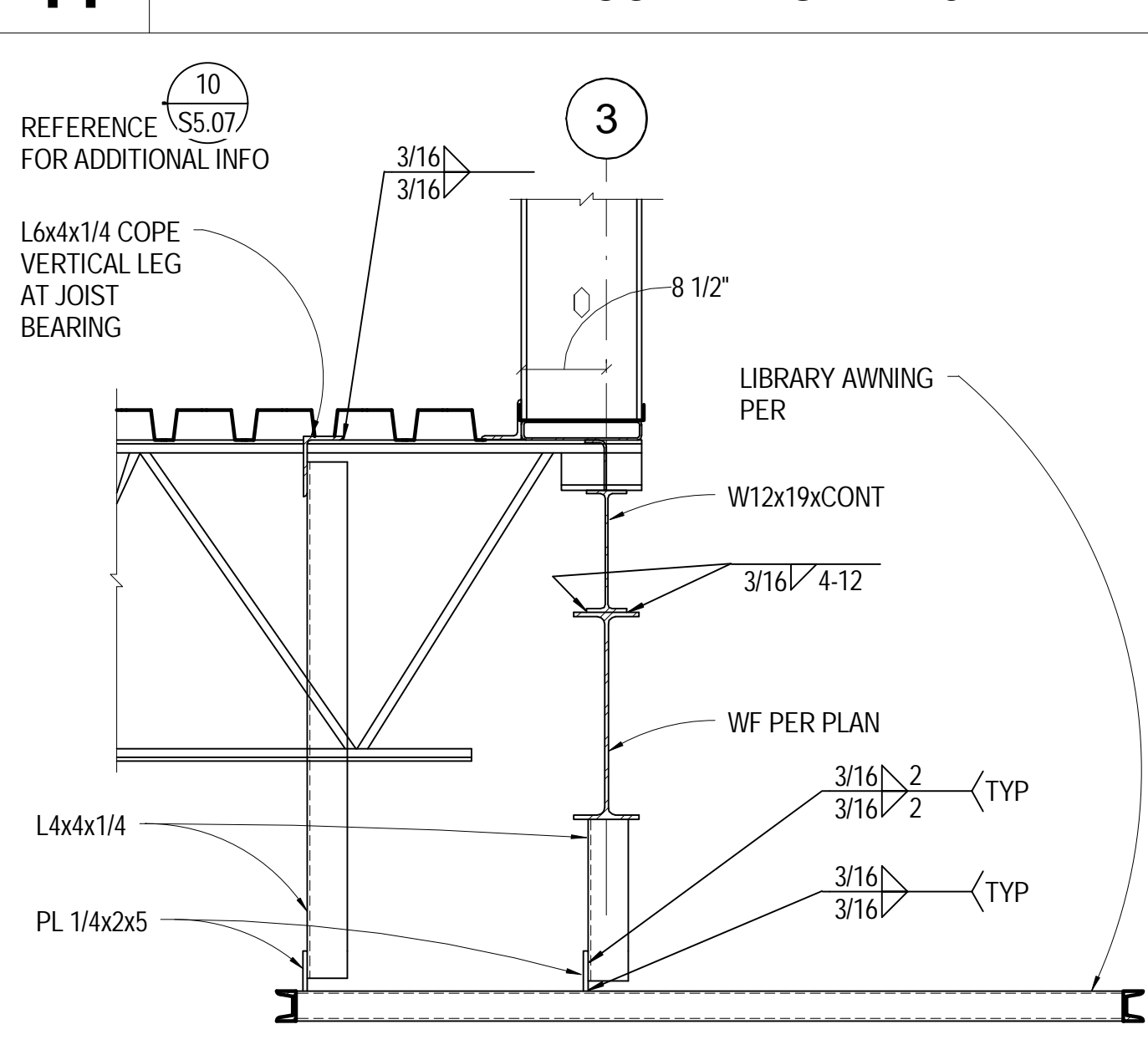
3 3/4" = 1'-0" LOW ROOF AT GRID 3



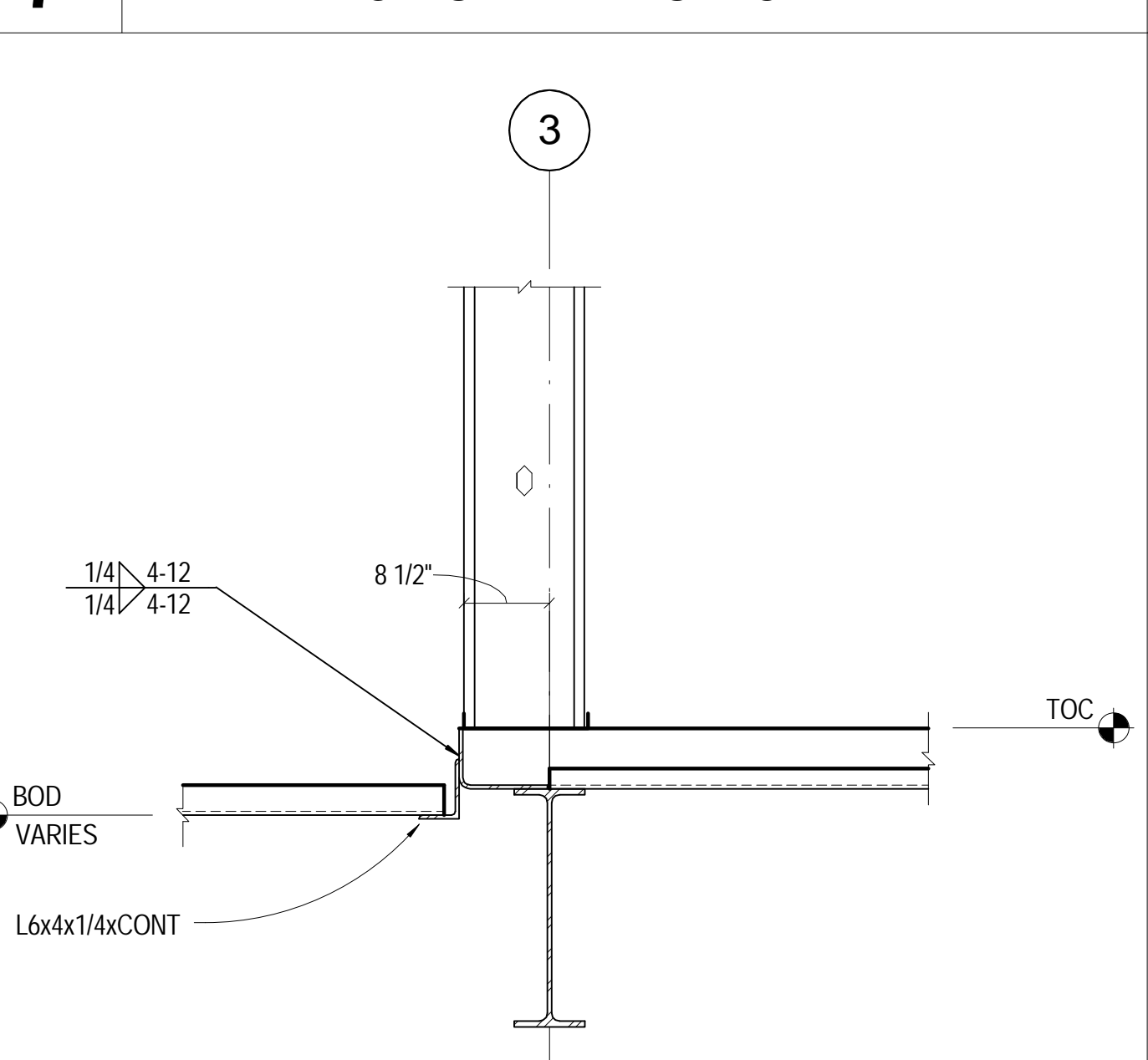
20 3/4" = 1'-0" GRID 3 BEAM LINE ELEVATION



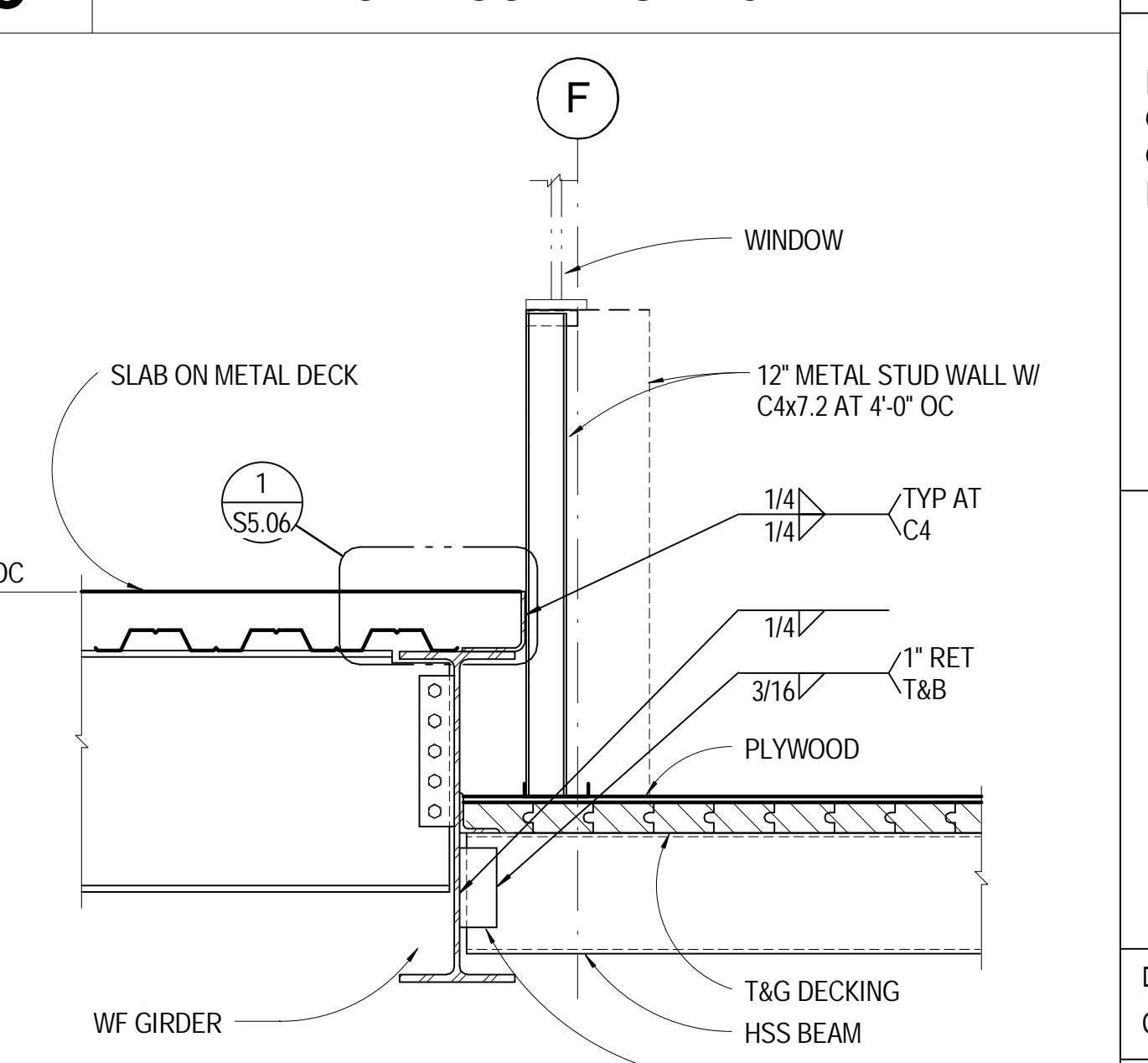
16 3/4" = 1'-0" BEAM STEP AT GRID AC



12 3/4" = 1'-0" SECTION AT GRID 3 DOUBLE BEAM



8 3/4" = 1'-0" SECTION AT GRID 3 LOW ROOF



4 3/4" = 1'-0" SECTION AT LOW ROOF

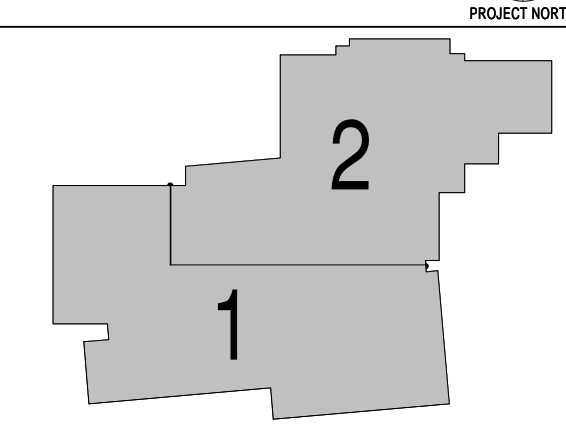
Professional Engineer
26118
09-22-09

SINK COMBS DETHLEFS
475 Lincoln Street, Suite 100
Denver, Colorado 80203

HUMPHRIES | POLI
ARCHITECTS

MARTIN/MARTIN
CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE
P.O. BOX 1163000
LAKWOOD, COLORADO 80116
303.431.6100
FAX 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

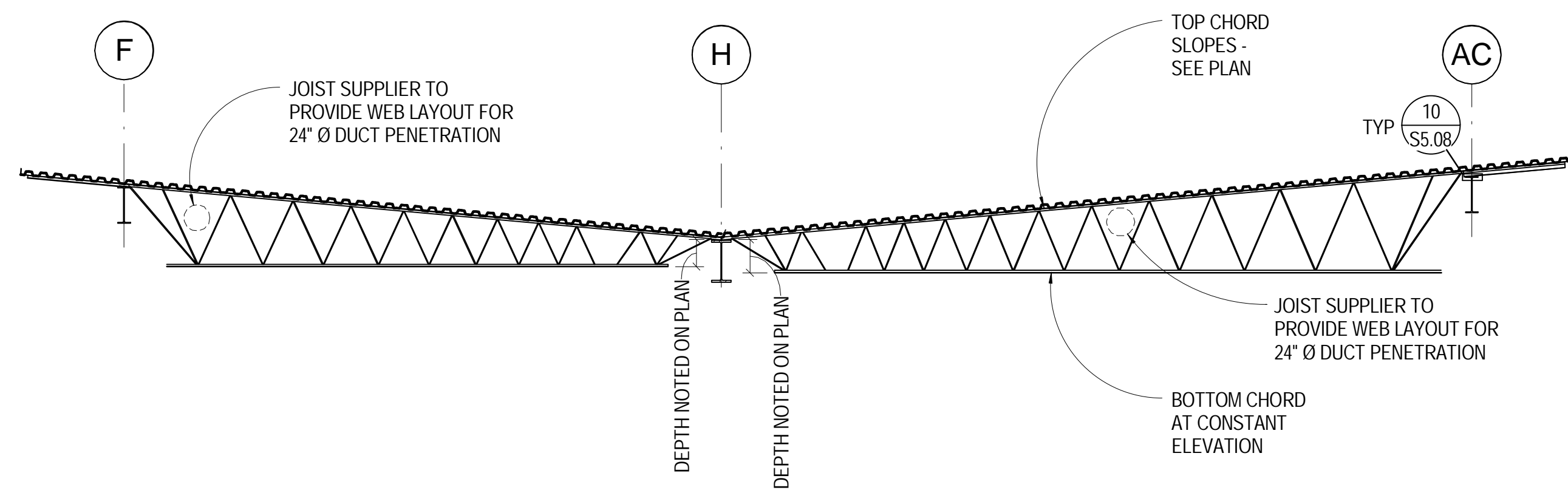
FRUITA COLORADO

M/M Project No.: 21468.S.01

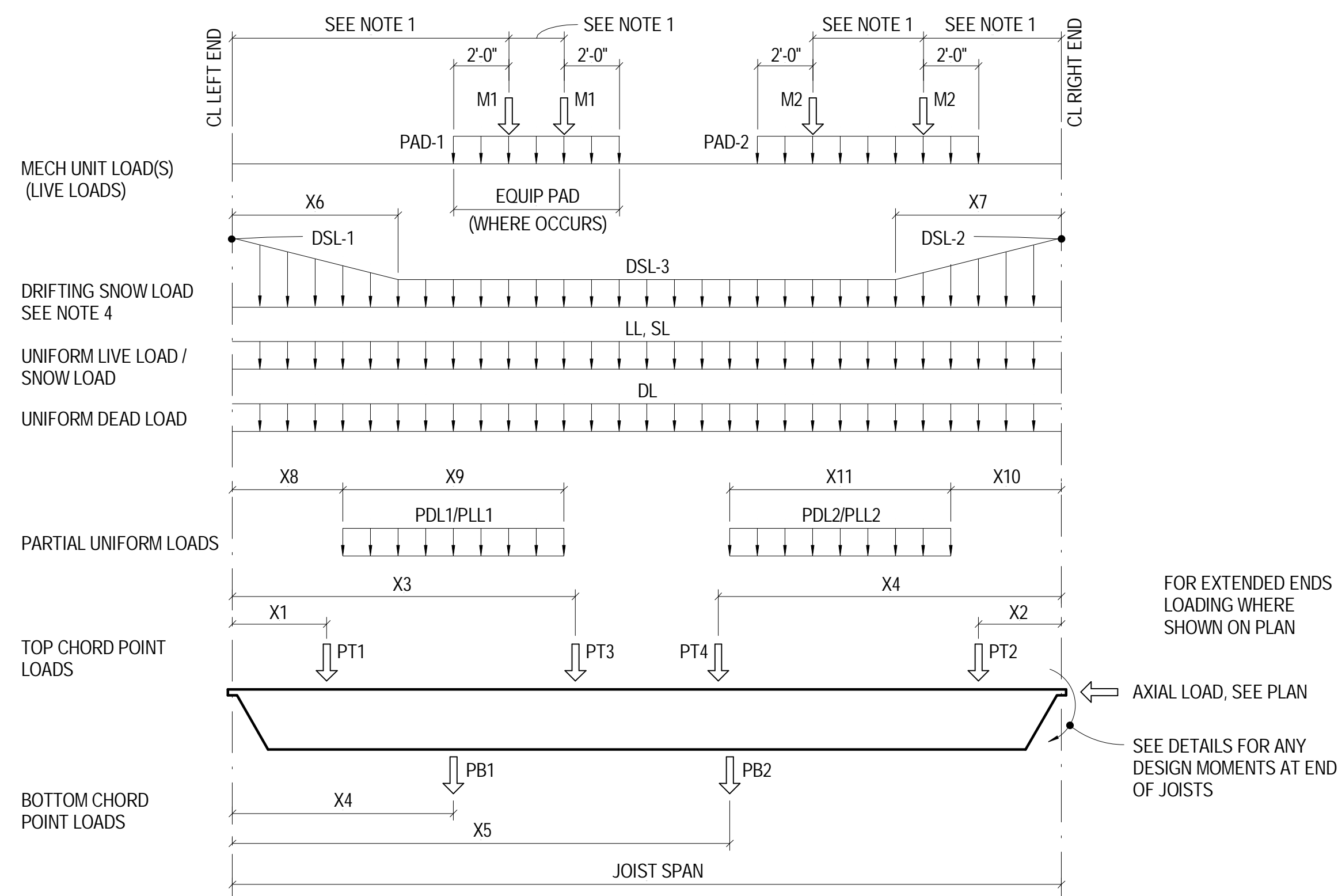
STEEL DETAILS

Drawn By: DE, LB
Checked By: BN, GS

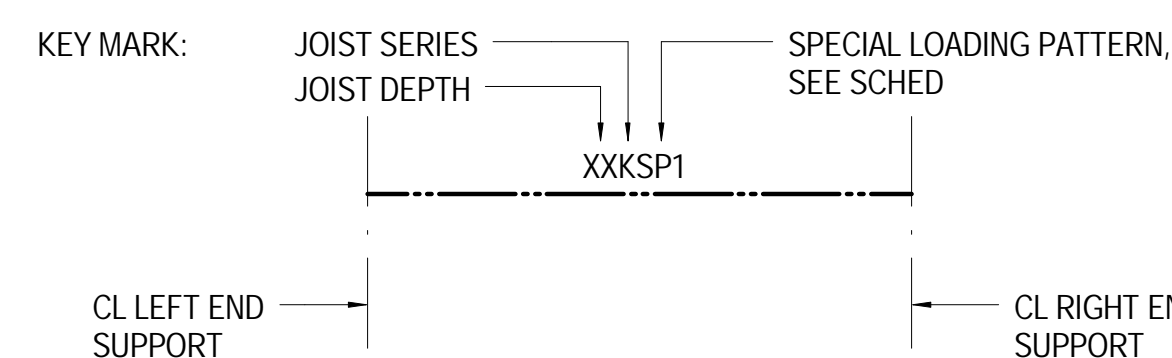
S5.07



17 1/8" = 1'-0" BUTTERFLY JOIST PROFILE



- NOTES:
- APPROXIMATE LOCATION OF MECHANICAL EQUIPMENT NOTED ON PLAN. CONTRACTOR SHALL VERIFY WEIGHT AND LOCATION WITH EQUIPMENT FURNISHED. INCLUDE THIS INFORMATION IN SHOP DRAWING SUBMITTAL.
 - DISTRIBUTED LOADS ARE IN LB/FT AND SHALL BE MULTIPLIED BY JOIST SPACING FOR JOIST DESIGN.
 - JOIST MANUFACTURER SHALL DESIGN TO LOAD COMBINATION PER APPLICABLE BUILDING CODE.
 - UNIFORM SNOW LOAD AND DRIFTING SNOW LOAD ARE INDEPENDENT LOADINGS. DESIGN FOR BOTH LOAD CASES IN COMBINATION WITH OTHER LOADS.
 - DISTRIBUTED LOADS ARE ON JOIST TOP CHORD, UNO.
 - REFERENCE SHEET S0.01 FOR NET UPLIFT WIND PRESSURE.

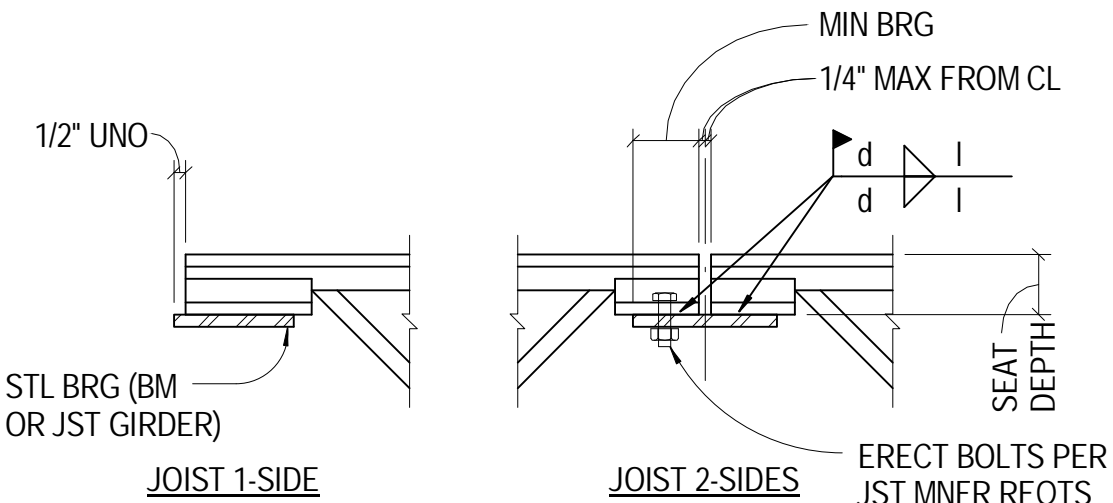


SPECIAL JOIST LOADING PATTERN SCHEDULE

PLAN MARK	DL (PSF)	LL (PSF)	SL (PSF)	DSL-1 (PSF)		DSL-2 (PSF)		DSL-3 (PSF)	PDL1	PLL1	PDL2	PLL2	PAD-1 (PLF)	PAD-2 (PLF)	M1 (LB)	M2 (LB)	PT (LB)					REMARKS	
				X6	X7	X8	X9										X10	X11	PT1 (X1)	PT2 (X2)	PT3 (X3)		PT4 (X4)
32LHSP1	27	20	30	--	107	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
28LHSP1	27	20	30	106	--	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
60DLHSP1	27	20	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19,000	19,000	19,000	19,000	--	--
60DLHSP2	27	20	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22'-3"	16'-11"	40'-8"	35'-4"	--	--
60DLHSP3	27	20	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10' 9"	10' 9"	10' 9"	10' 9"	--	--
28LHSP2	27	20	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8'-2"	7'-2"	--	--	--	17/S5.08
36LHSP1	27	20	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10' 9"	10' 9"	--	--	--	17/S5.08

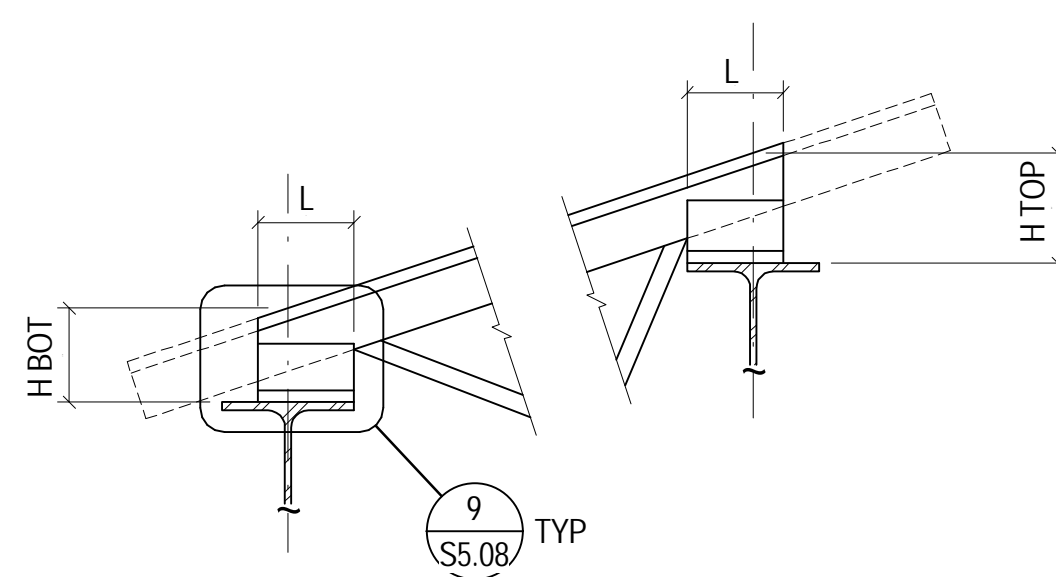
20 NO SCALE SPECIAL JOIST LOADS

JOIST SERIES	MIN BEARING	SEAT DEPTH	TYP WELD	
			d	l
K, KCS	2 1/2"	2 1/2"	3/16	2"
LH, DLH 10-17	4"	5"	3/16	2"
DLH 18-19, SLH 15-18	4"	7 1/2"	3/16	2"
SLH 19-25	6"	7 1/2"	1/4	4"



- NOTES:
- WELD ALL JOISTS TO BRG

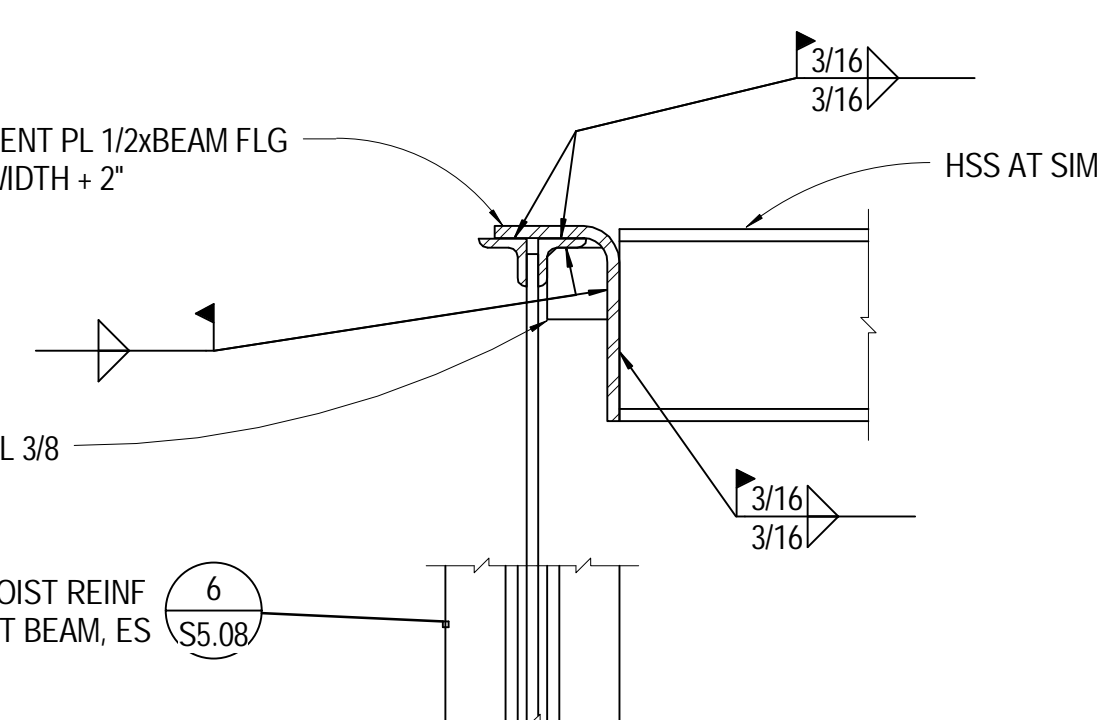
9 1 1/2" = 1'-0" TYP JOIST BRG ON STEEL



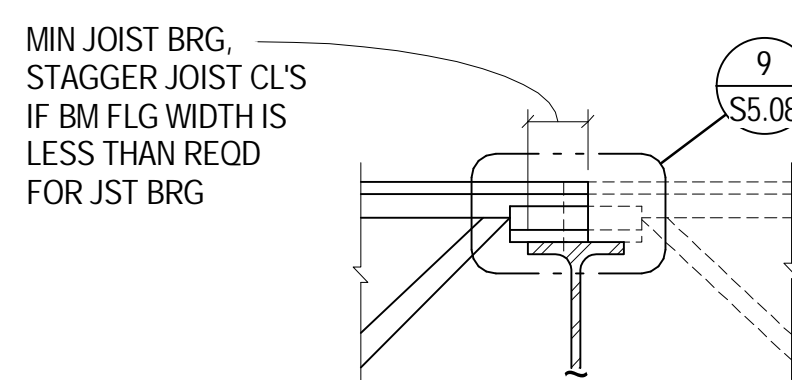
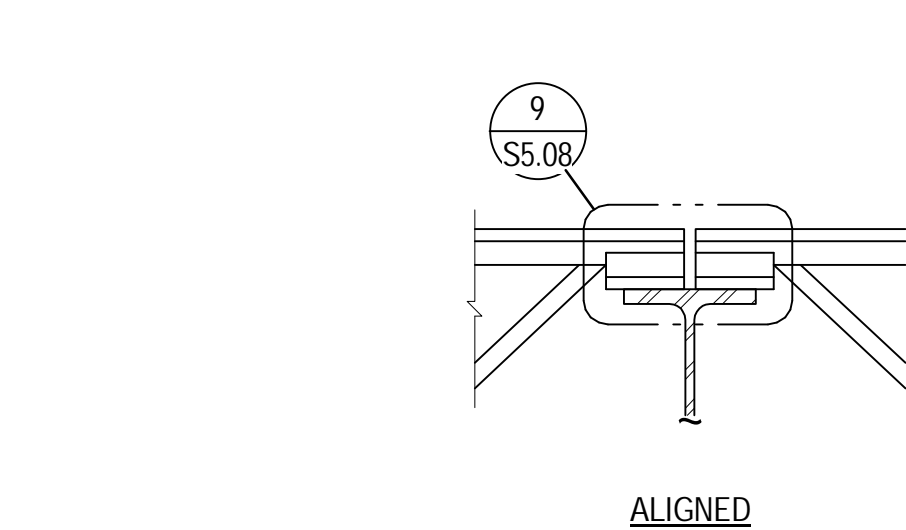
SERIES	L	H BOT	H TOP
K	4"	3 1/2" MIN	PER SLOPE AND MNFR
LH, DLH	6"	6" MIN	PER SLOPE AND MNFR

- NOTES:
- PROVIDE EXTENDED ENDS WHERE DETAILED ON PLAN

10 1 1/2" = 1'-0" TYP SLOPED JOIST BRG

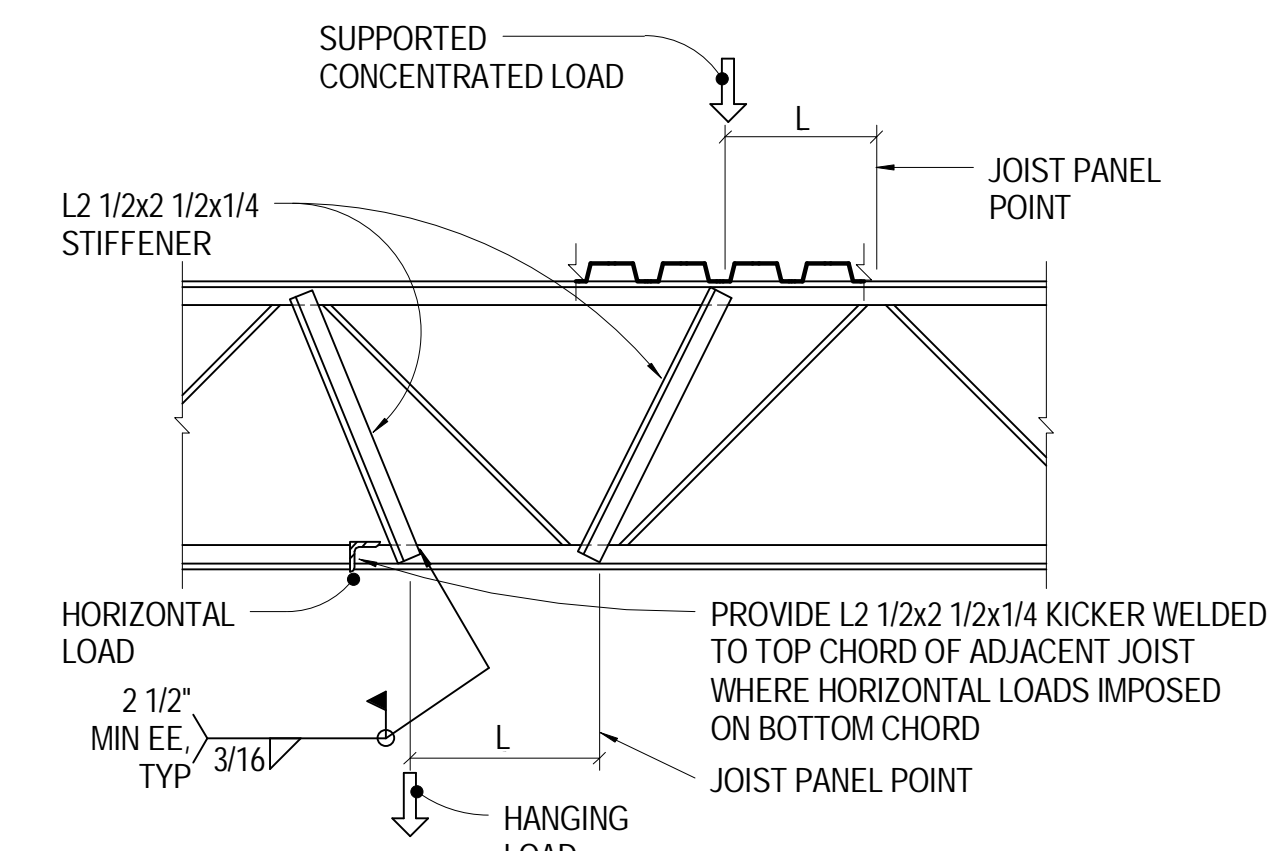


11 1 1/2" = 1'-0" HEADER TO JOIST CONN



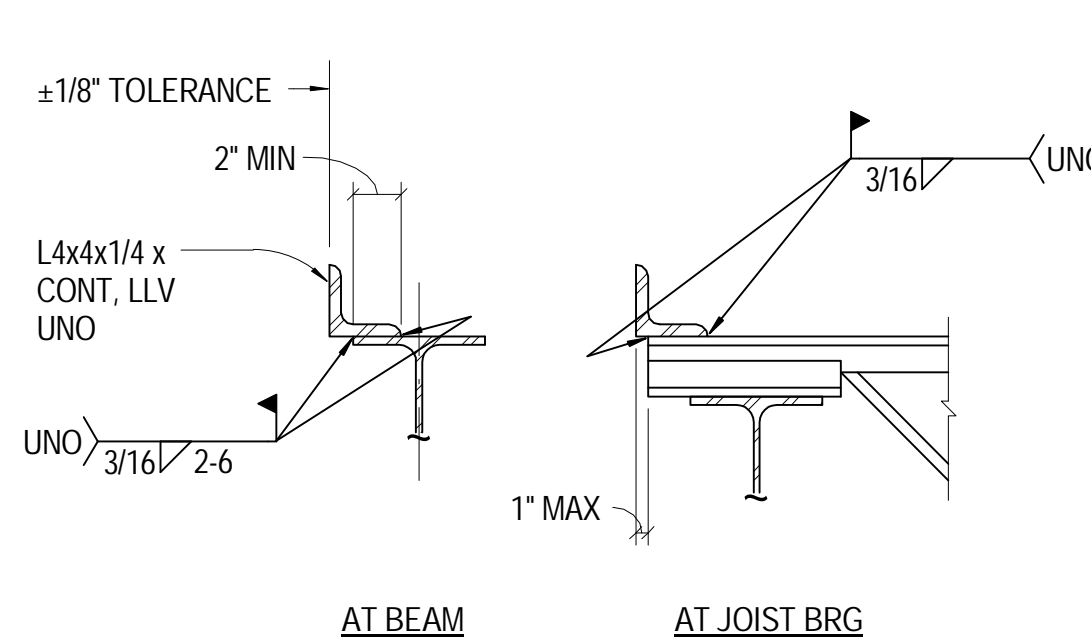
1. COORDINATE DECK SPLICE LOCATION AT STAGGERED JOISTS

5 1 1/2" = 1'-0" TYP JOIST BRG - TWO SIDES OF WF

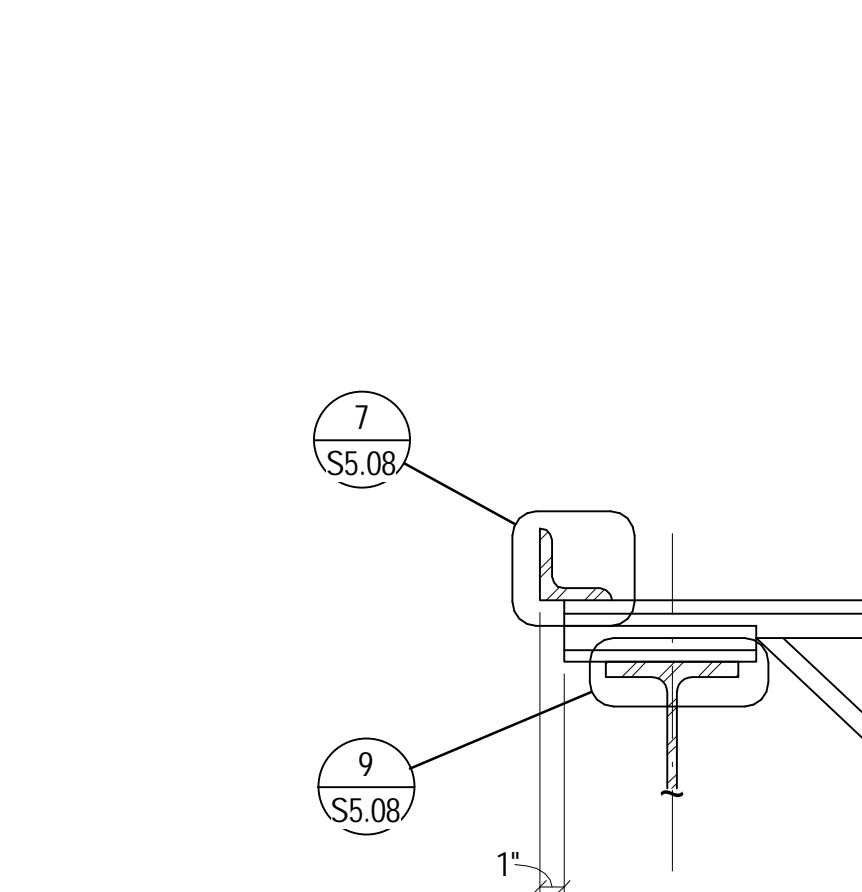


- NOTES:
- STIFFENER REQUIRED FOR ALL CONCENTRATED LOADS WHERE L EXCEEDS 3"

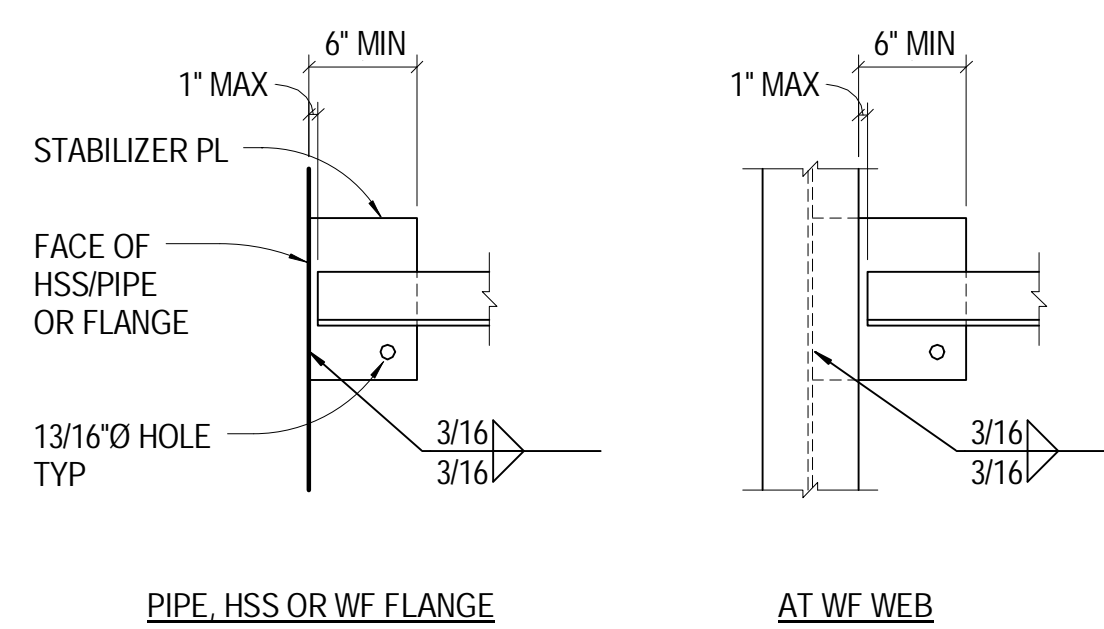
6 3/4" = 1'-0" TYP JOIST CHORD SUPPORT



7 1 1/2" = 1'-0" TYP EDGE ANGLE AT ROOF DECK

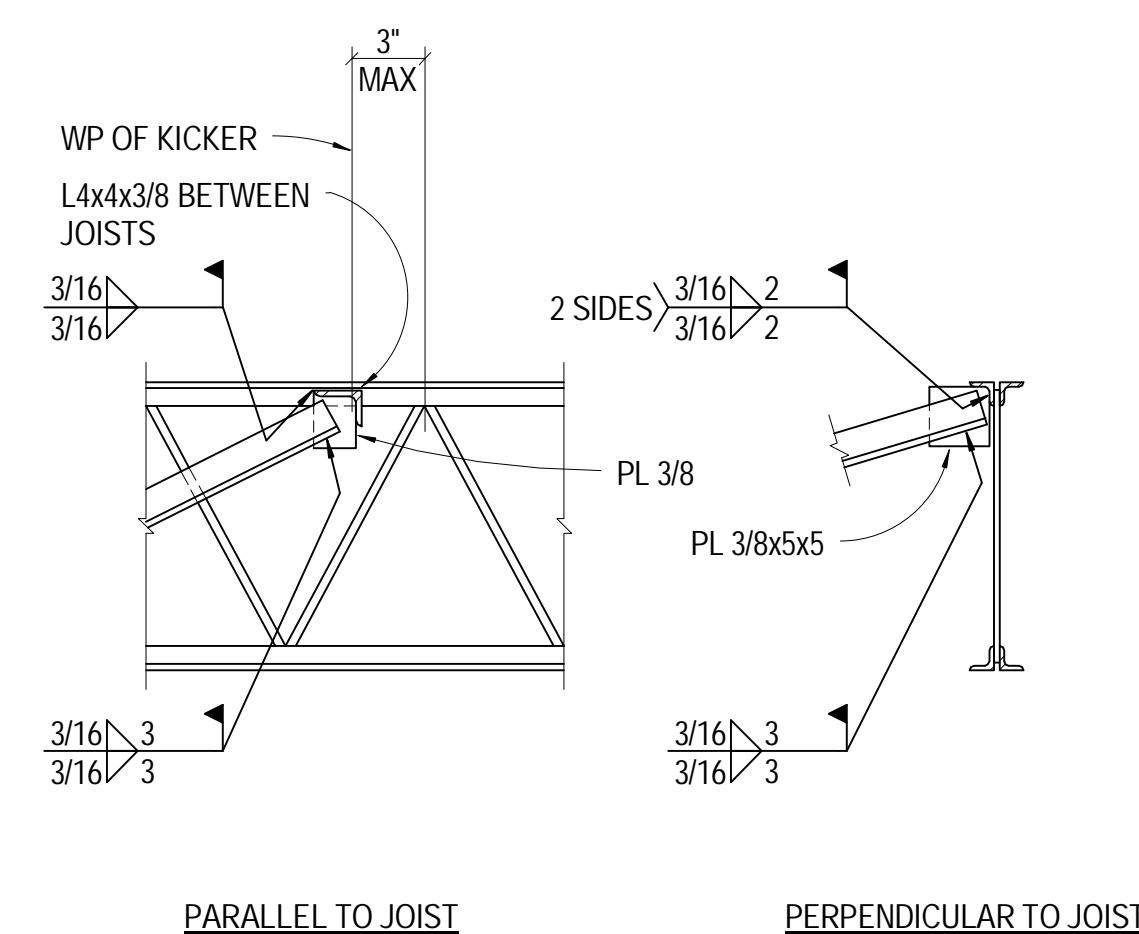


1 1 1/2" = 1'-0" TYP JOIST BRG - ONE SIDE OF WF

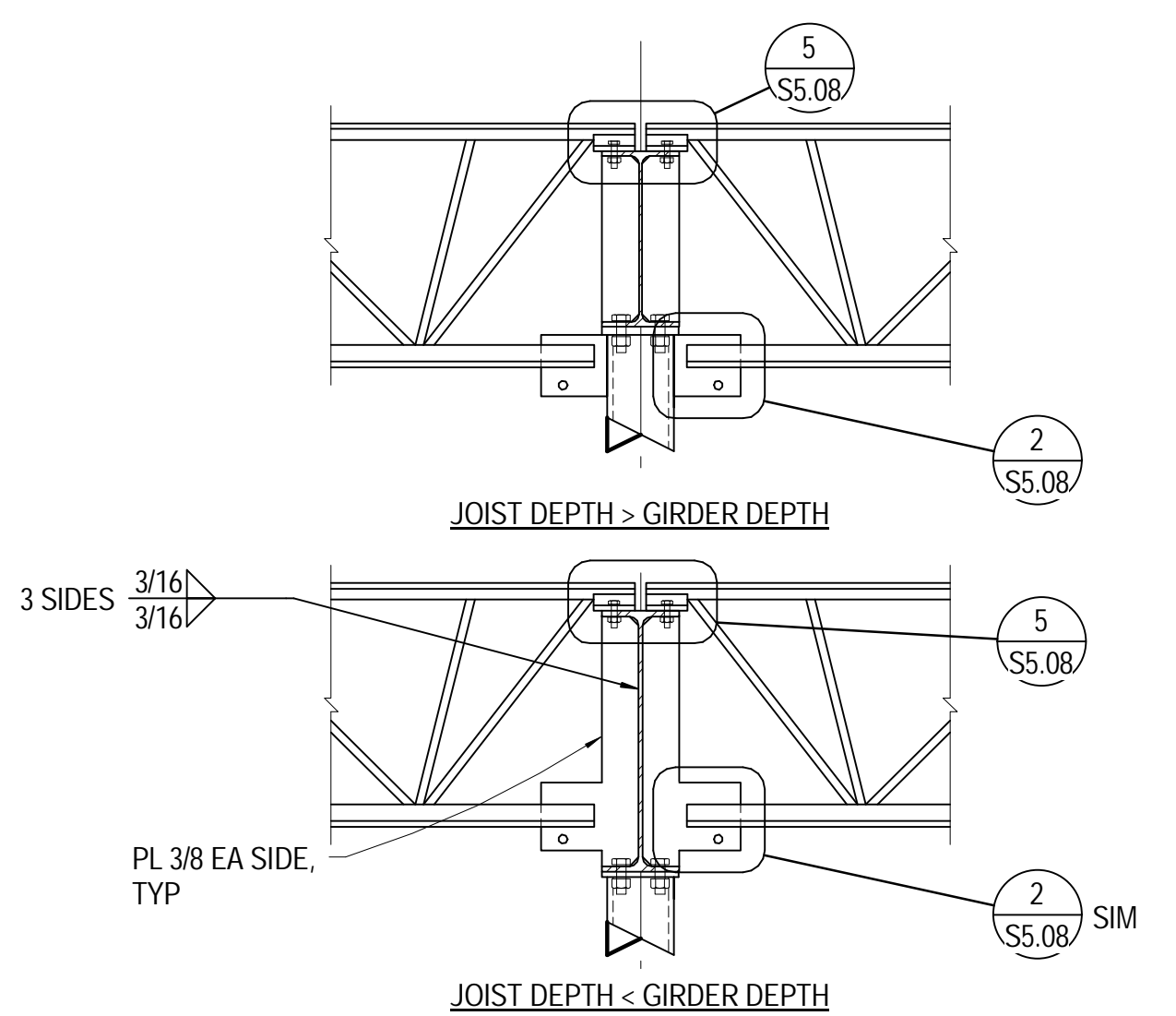


- NOTES:
- COORDINATE STABILIZER PLATE SIZE AND THK WITH JOIST MANUFACTURER
 - DO NOT WELD BOTTOM CHORD TO STABILIZER PLATE

2 3/4" = 1'-0" TYP JOIST/JOIST GIRDER BOT CHORD STABILIZER PLATE



3 3/4" = 1'-0" TYP ANGLE BRACE TO JOIST



4 3/4" = 1'-0" TYP JOIST TO WF GIRDER AT T/COL



09-22-09

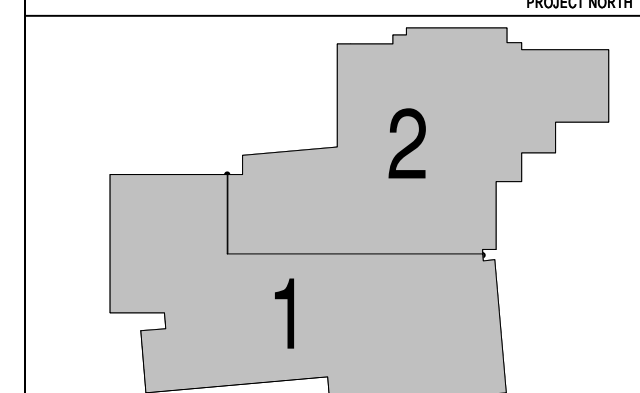
SINK COMBS DETHLEFS

Copyright © Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.398.0200
303.398.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE
P.O. BOX 1161000
LAKWOOD, COLORADO 80116
303.431.6100
FAX 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

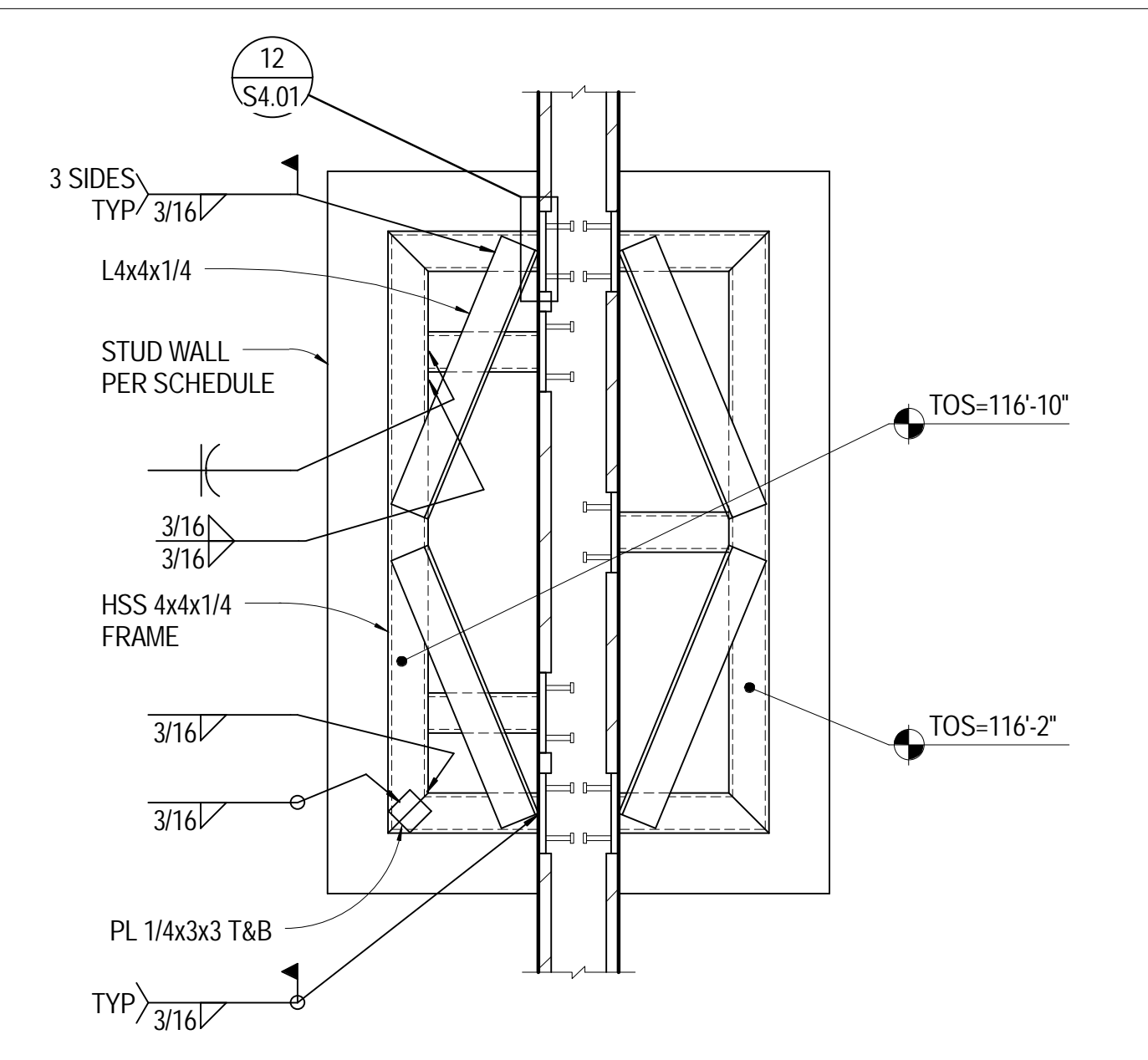
M/M Project No.: 21468.S.01

STEEL DETAILS

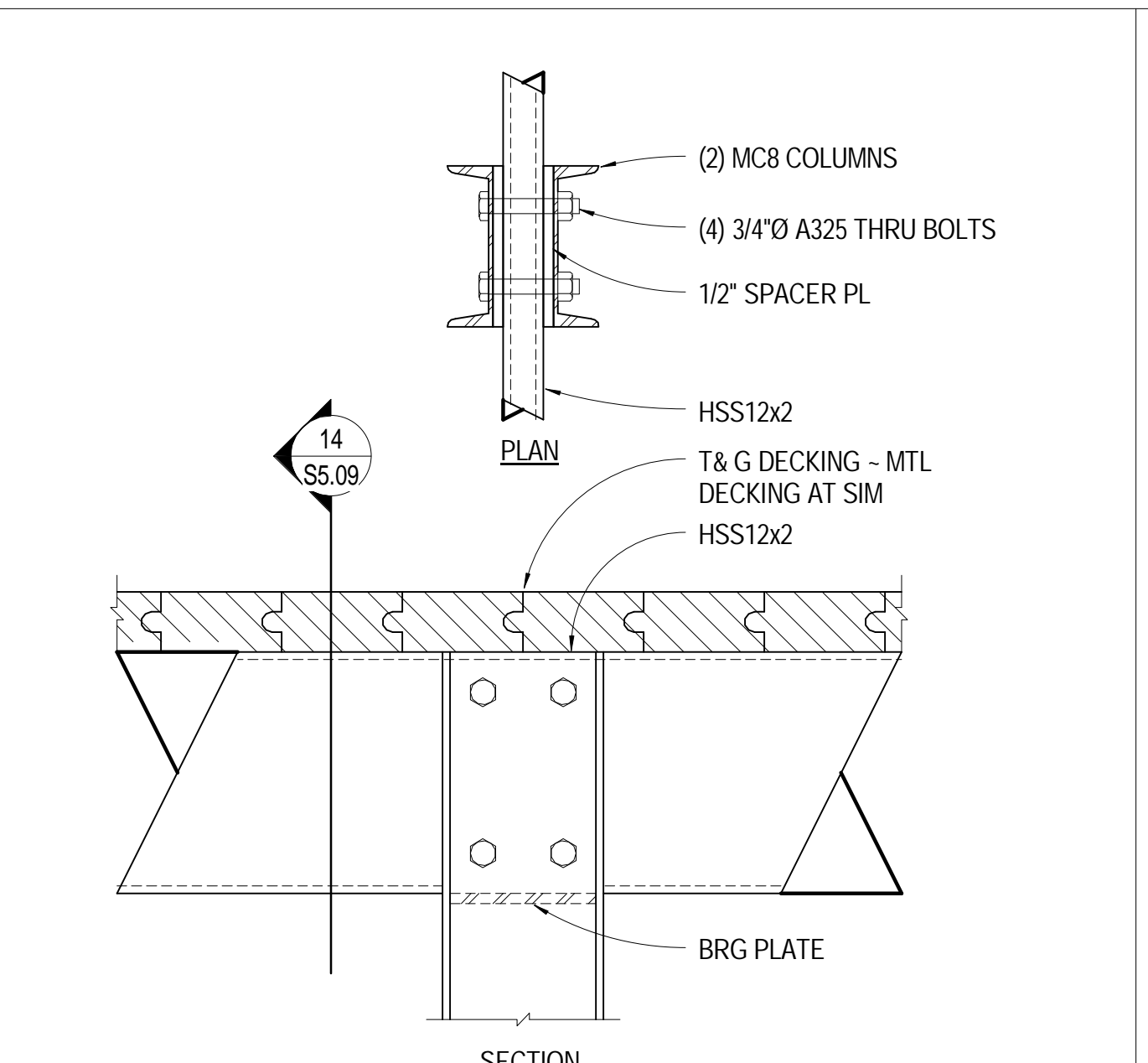
Drawn By: DE, LB
Checked By: BN, GS

S5.08

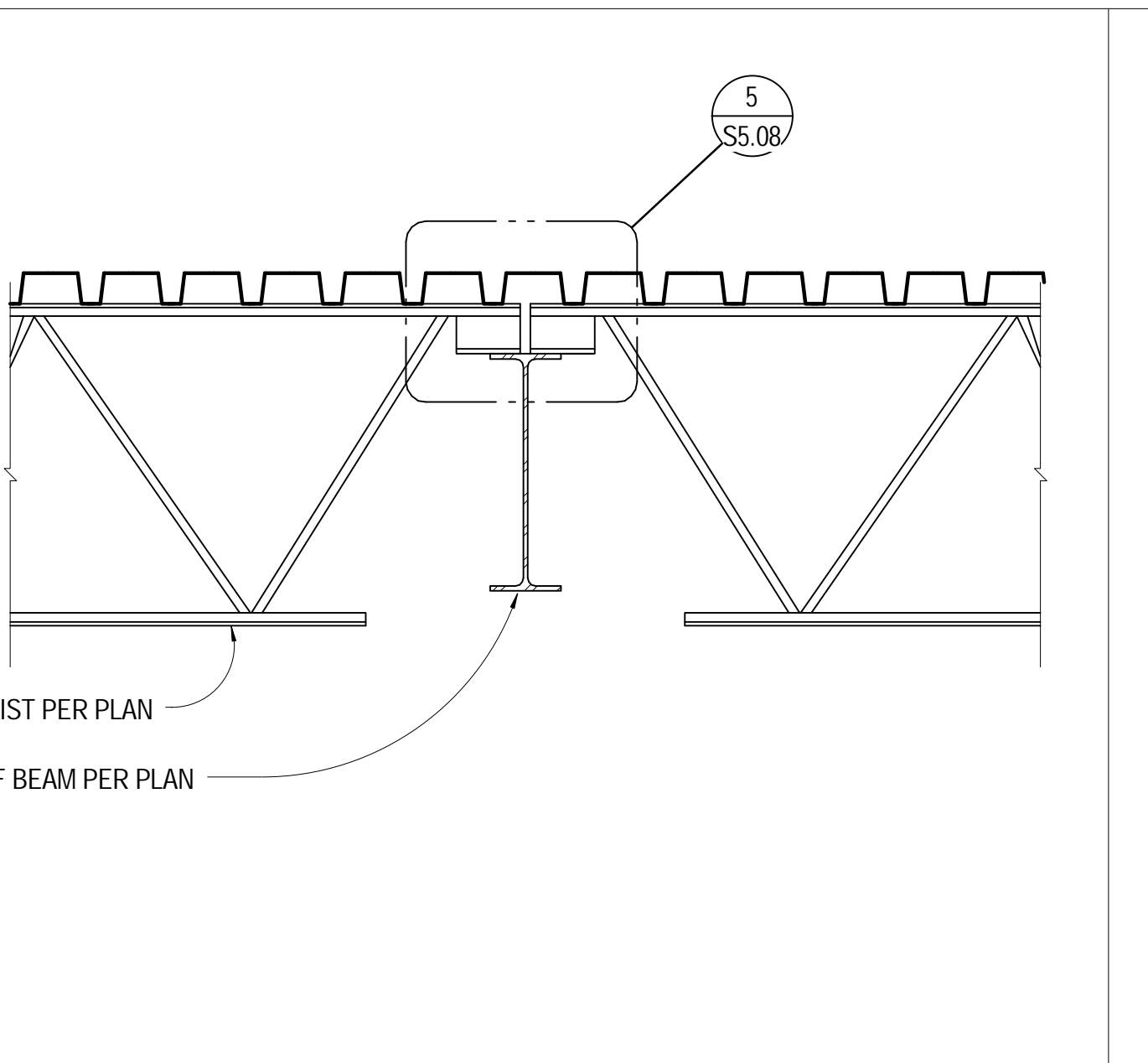
\\Structur\PROJECTS\21468_01\Rev\21468.S.01
Fruita Rec.mt



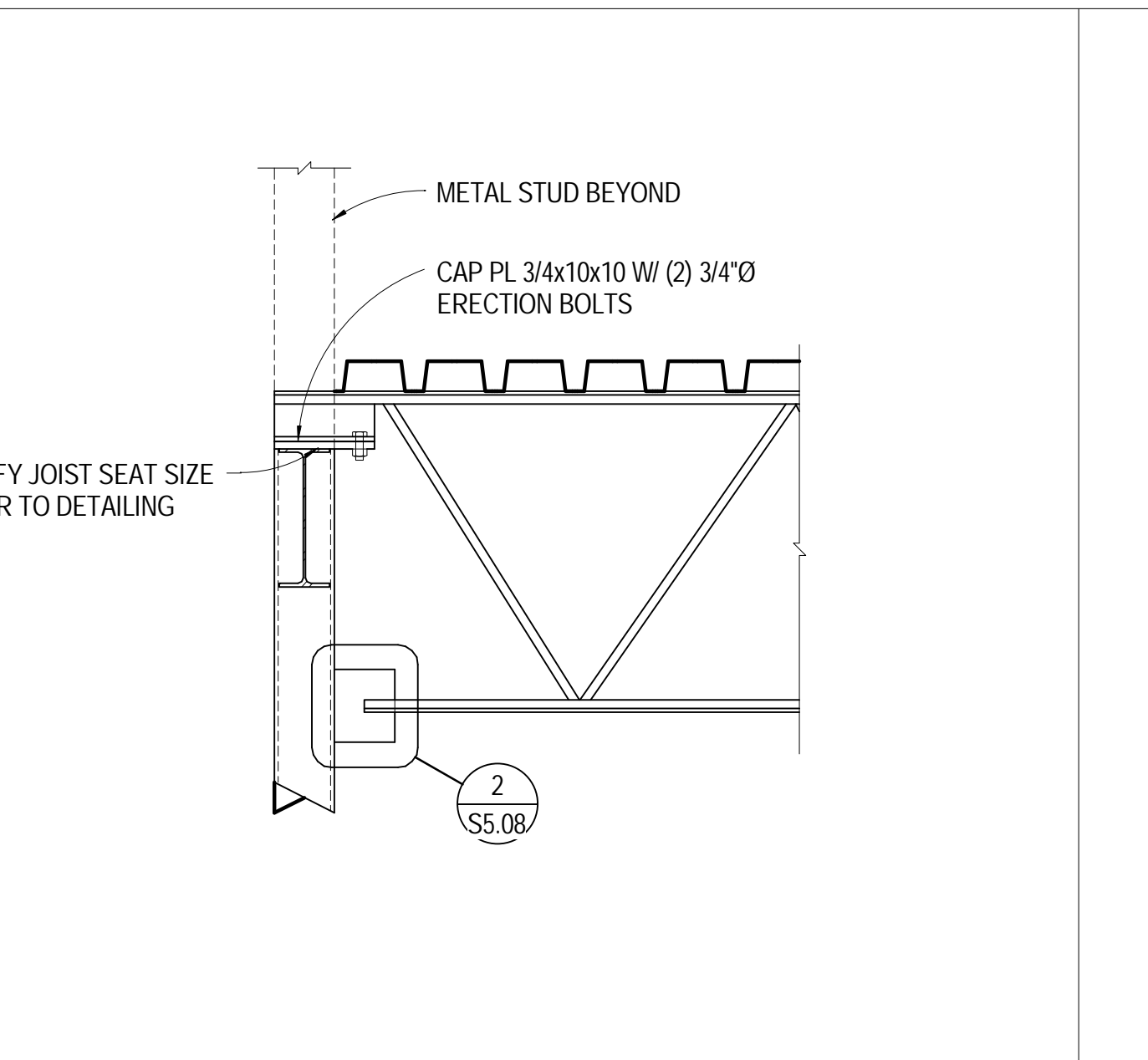
17 3/4" = 1'-0" PLAN VIEW AT HSS BRACE



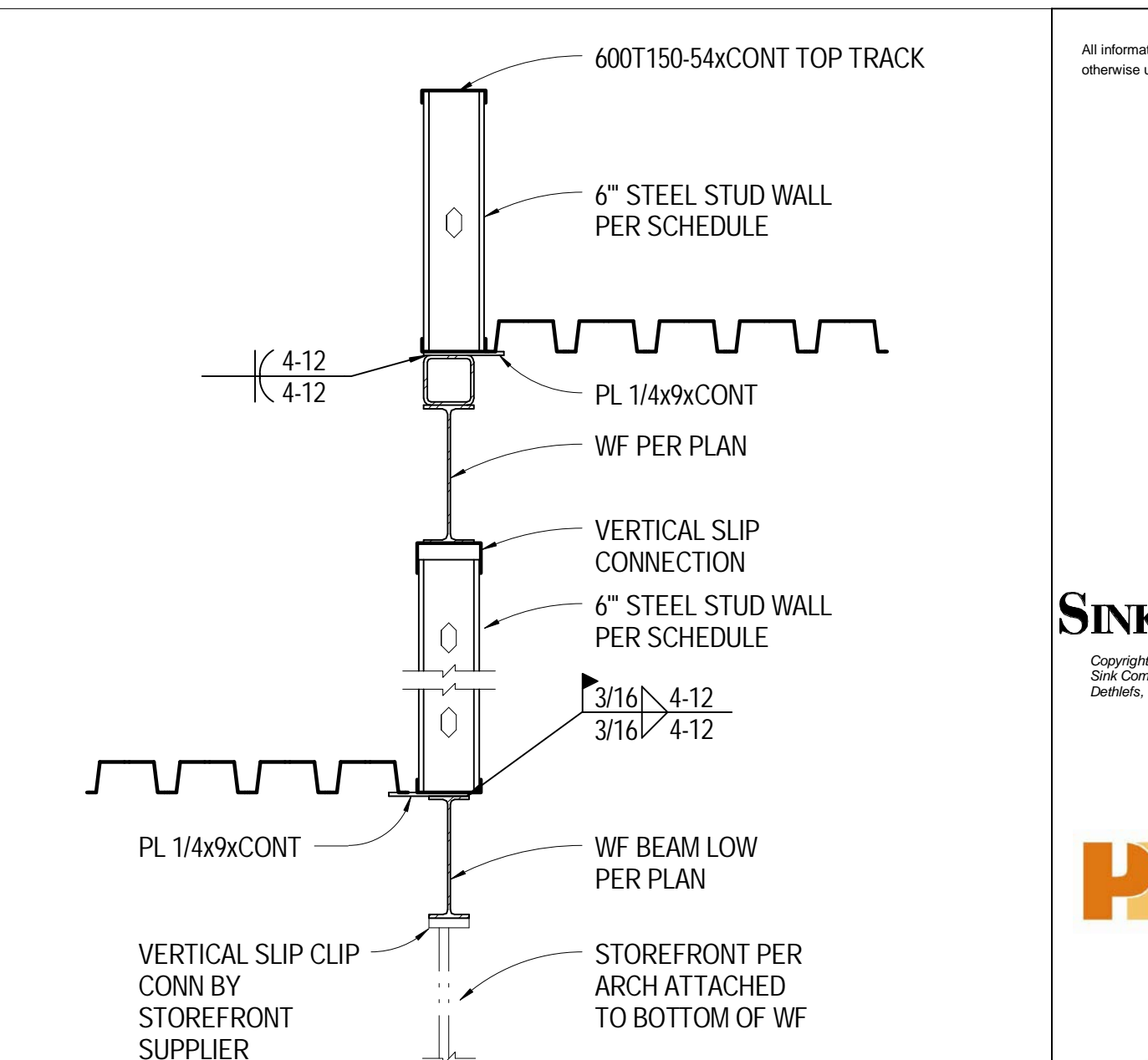
13 1 1/2" = 1'-0" COL TO BEAM CONN AT AWNING



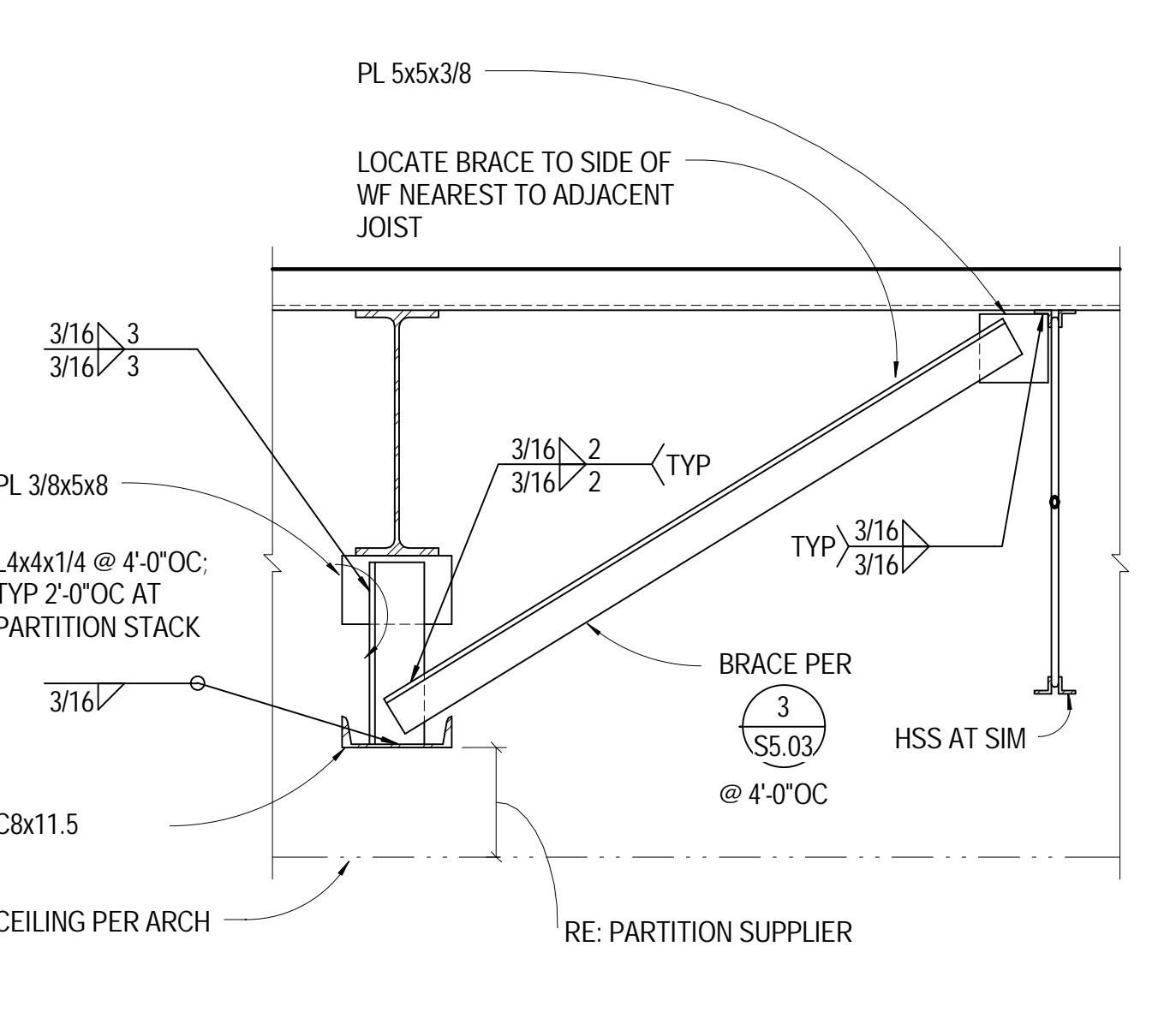
9 3/4" = 1'-0" JOIST BEARING AT WF GIRDER



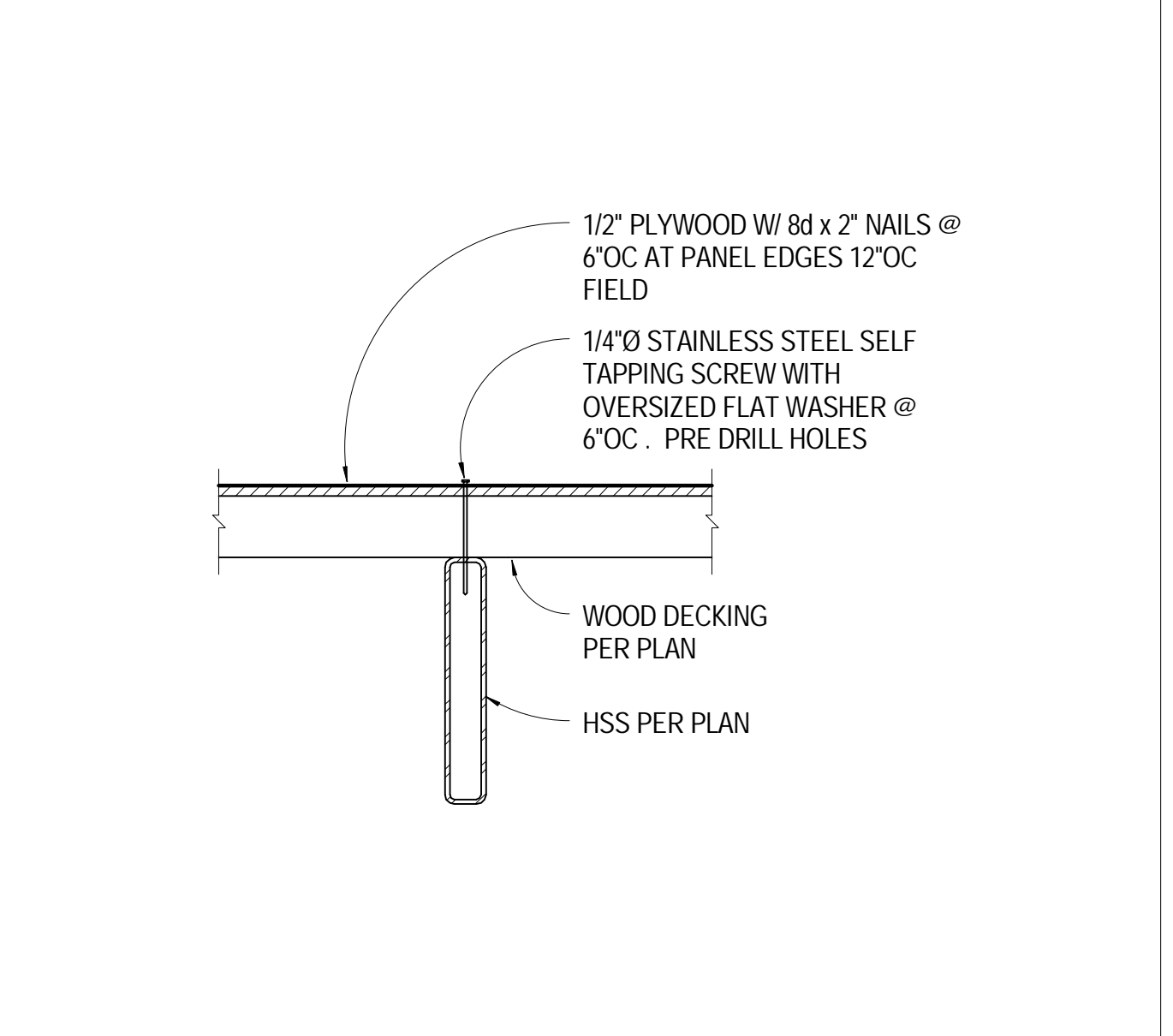
5 3/4" = 1'-0" OPEN WEB STEEL JOIST AT HSS COL



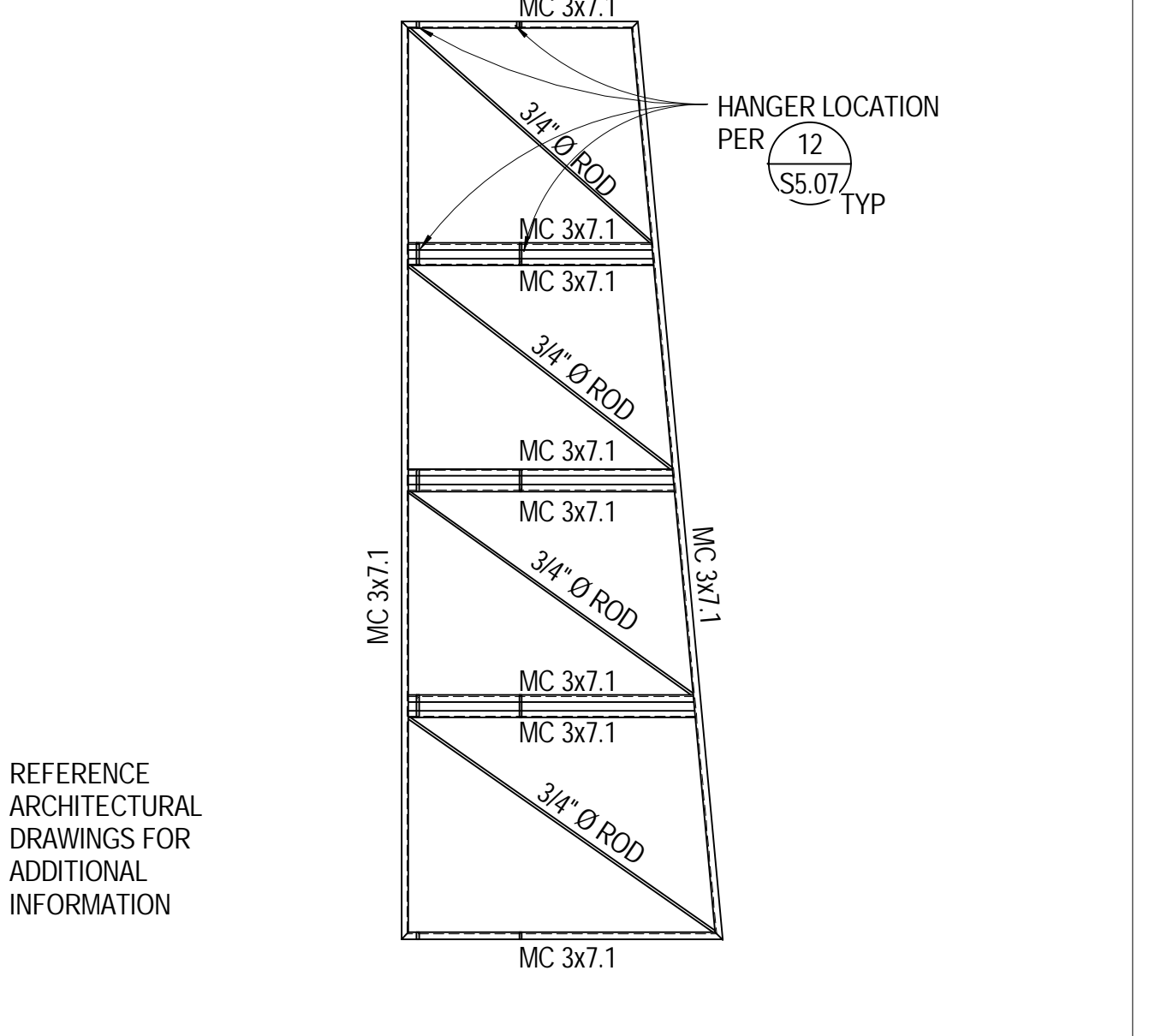
1 3/4" = 1'-0" STUD WALL AT GRID AD



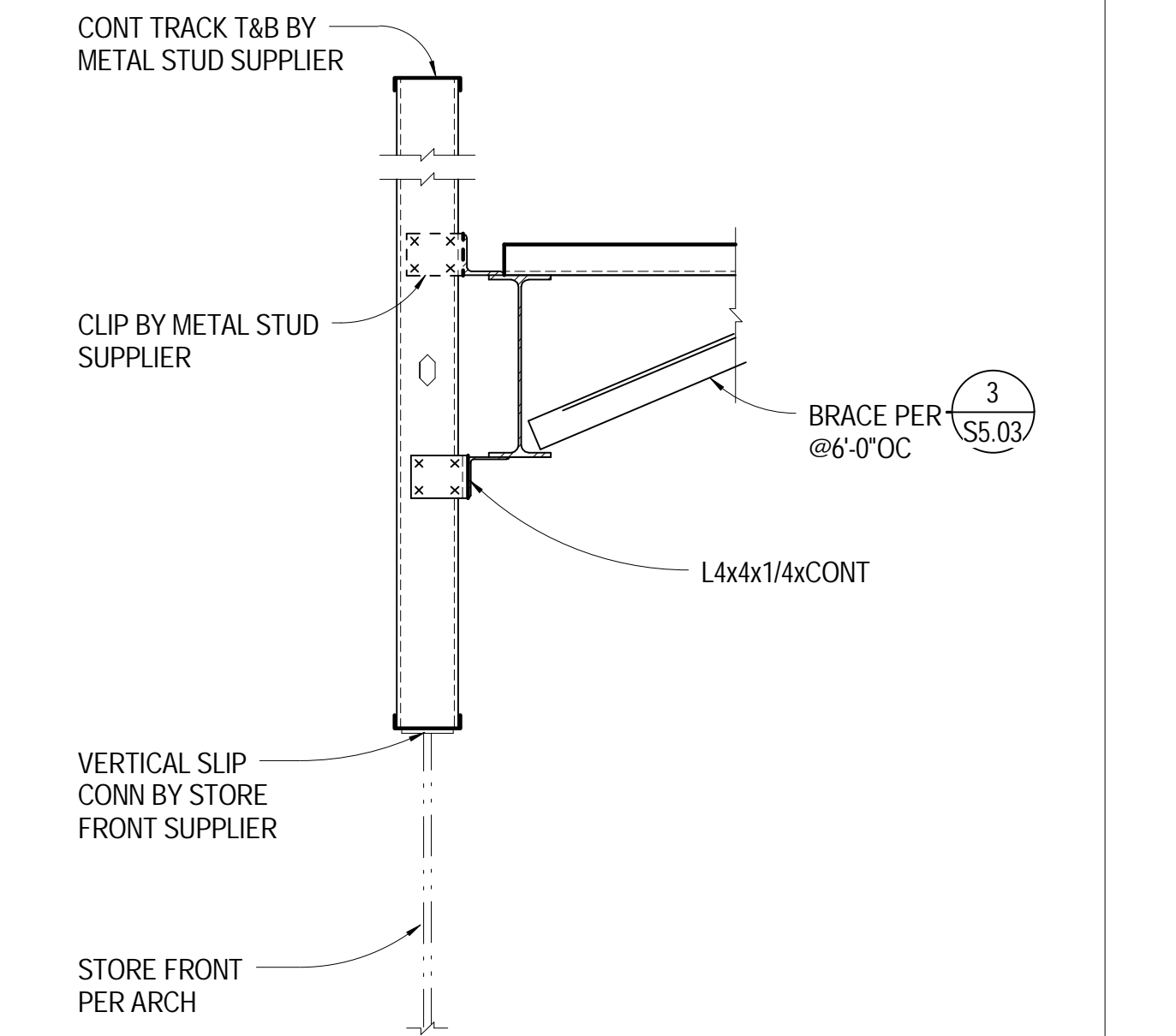
18 1" = 1'-0" OPERABLE PARTITION SUPPORT



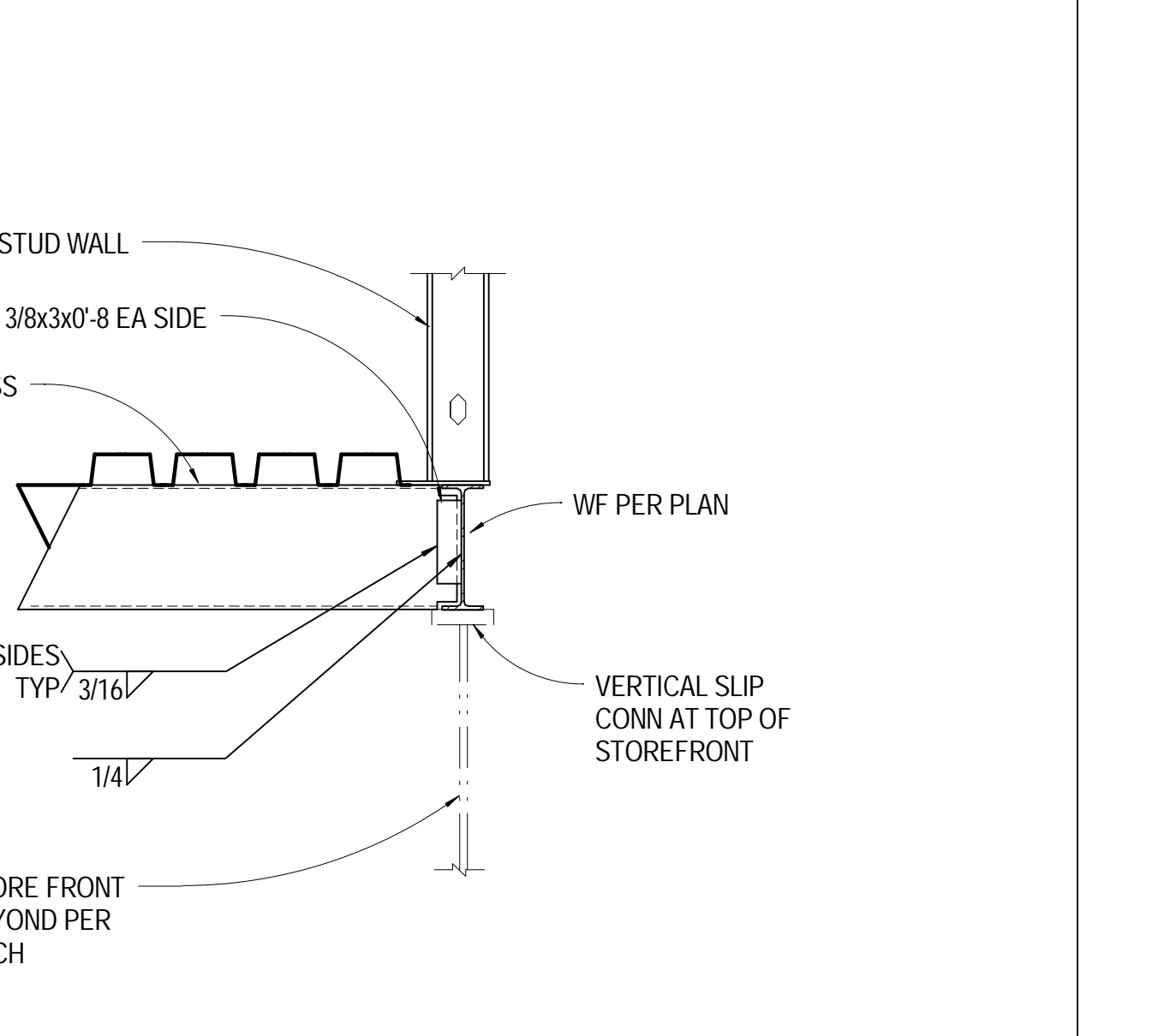
14 1 1/2" = 1'-0" DECK TO HSS CONNECTION



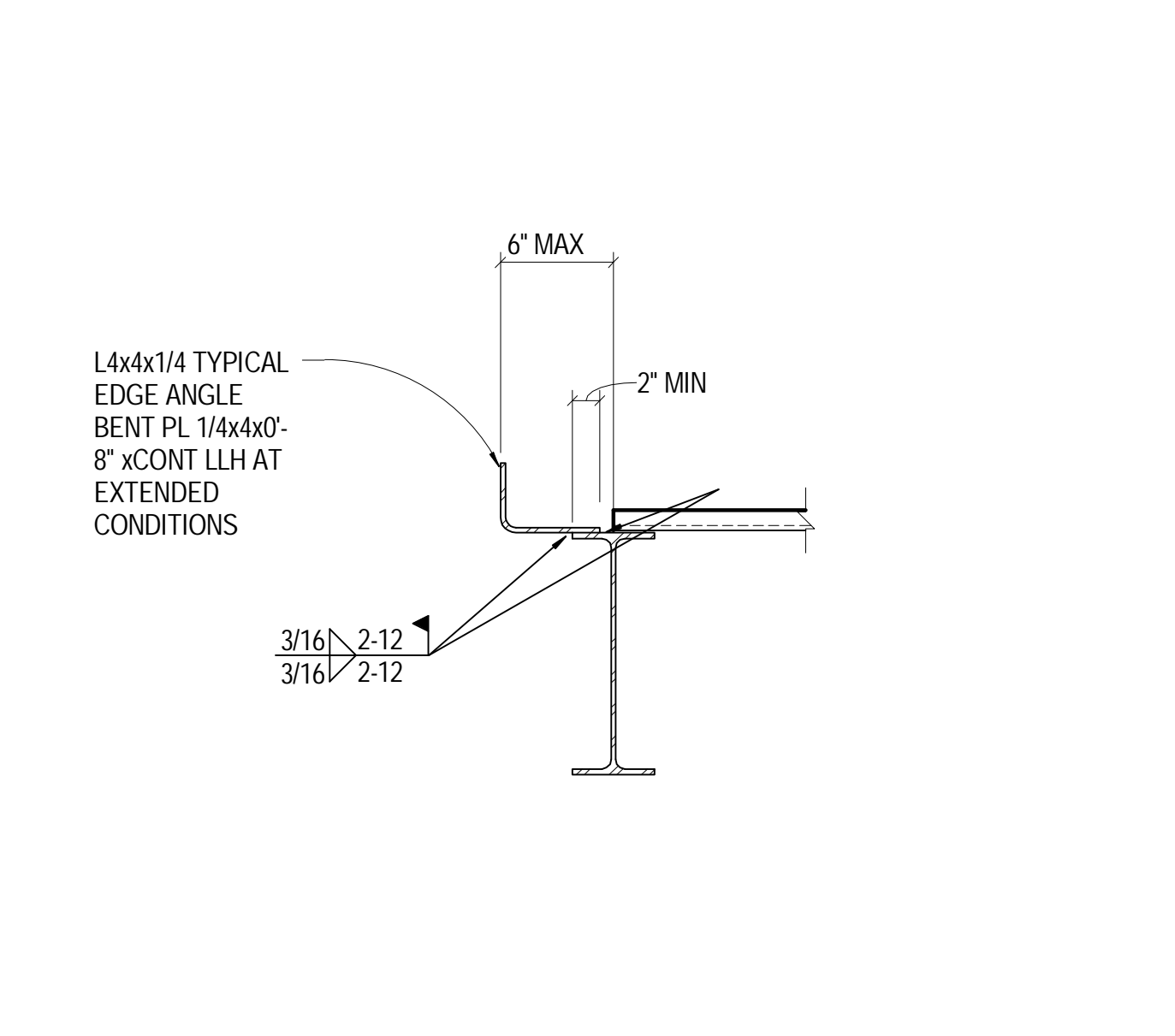
10 1/4" = 1'-0" PLAN VIEW AT LIBRARY ENTRY CANOPY



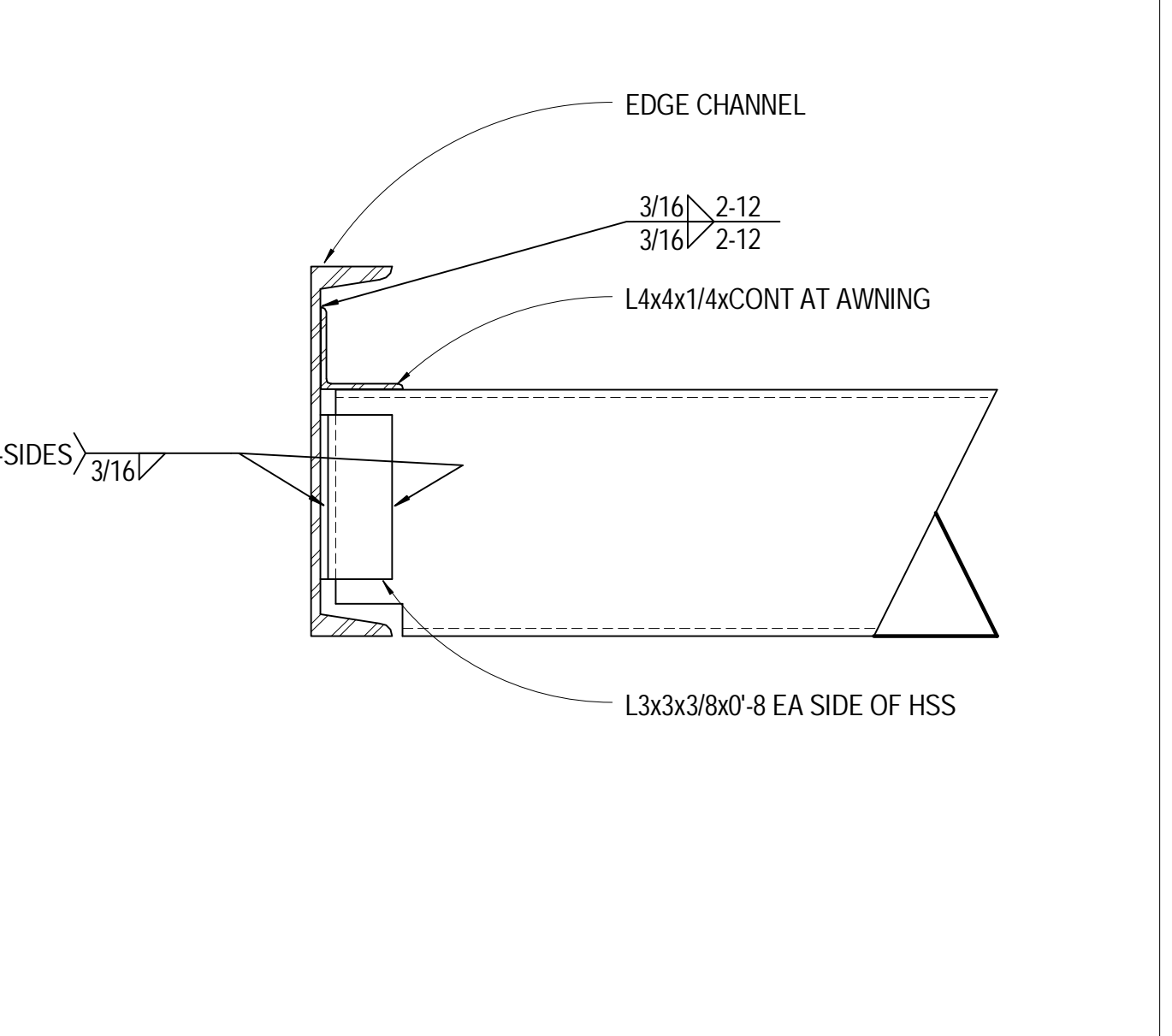
6 3/4" = 1'-0" ROOF AT RIBBON WINDOW



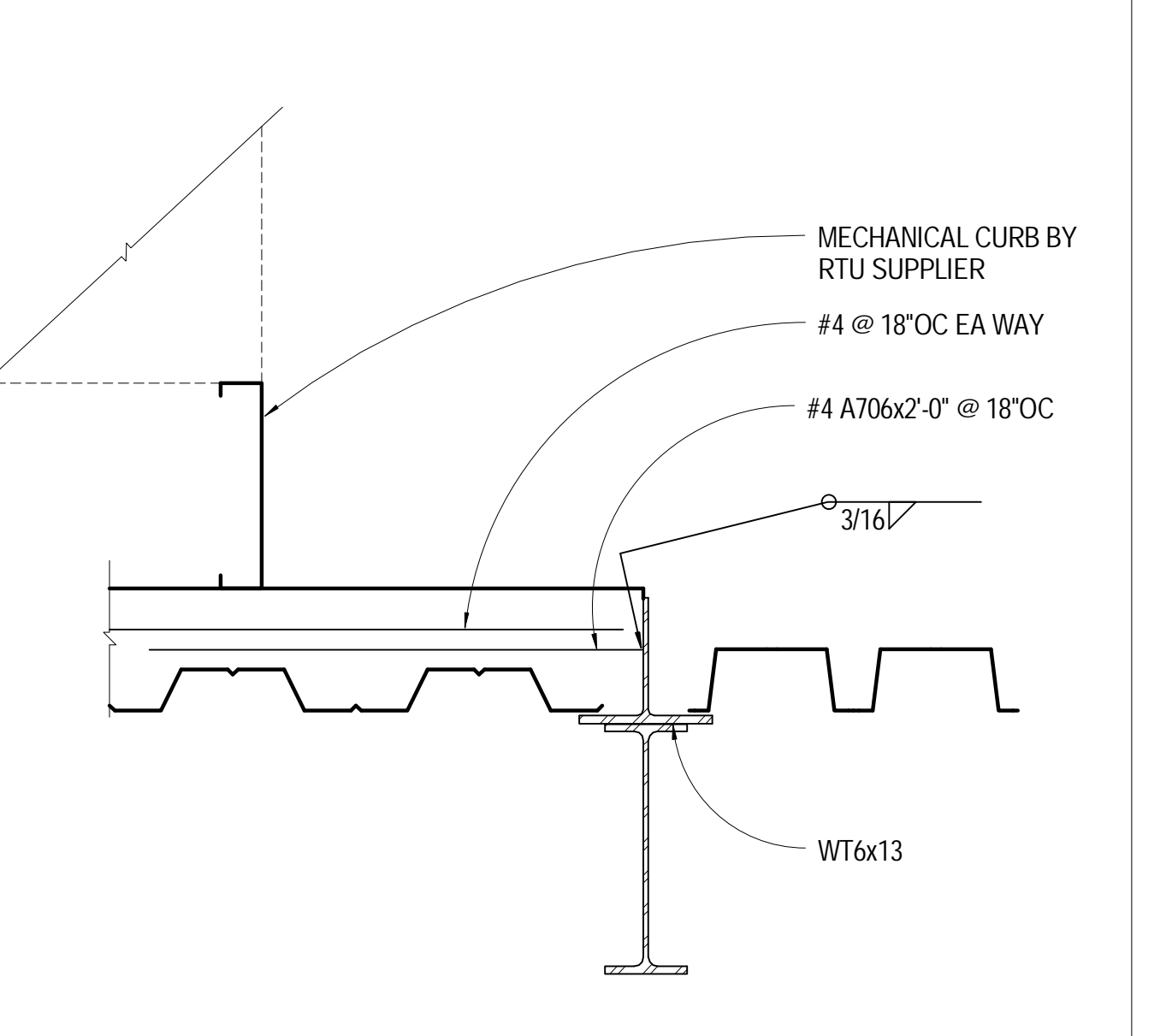
2 3/4" = 1'-0" AWNING ROOF AT COL



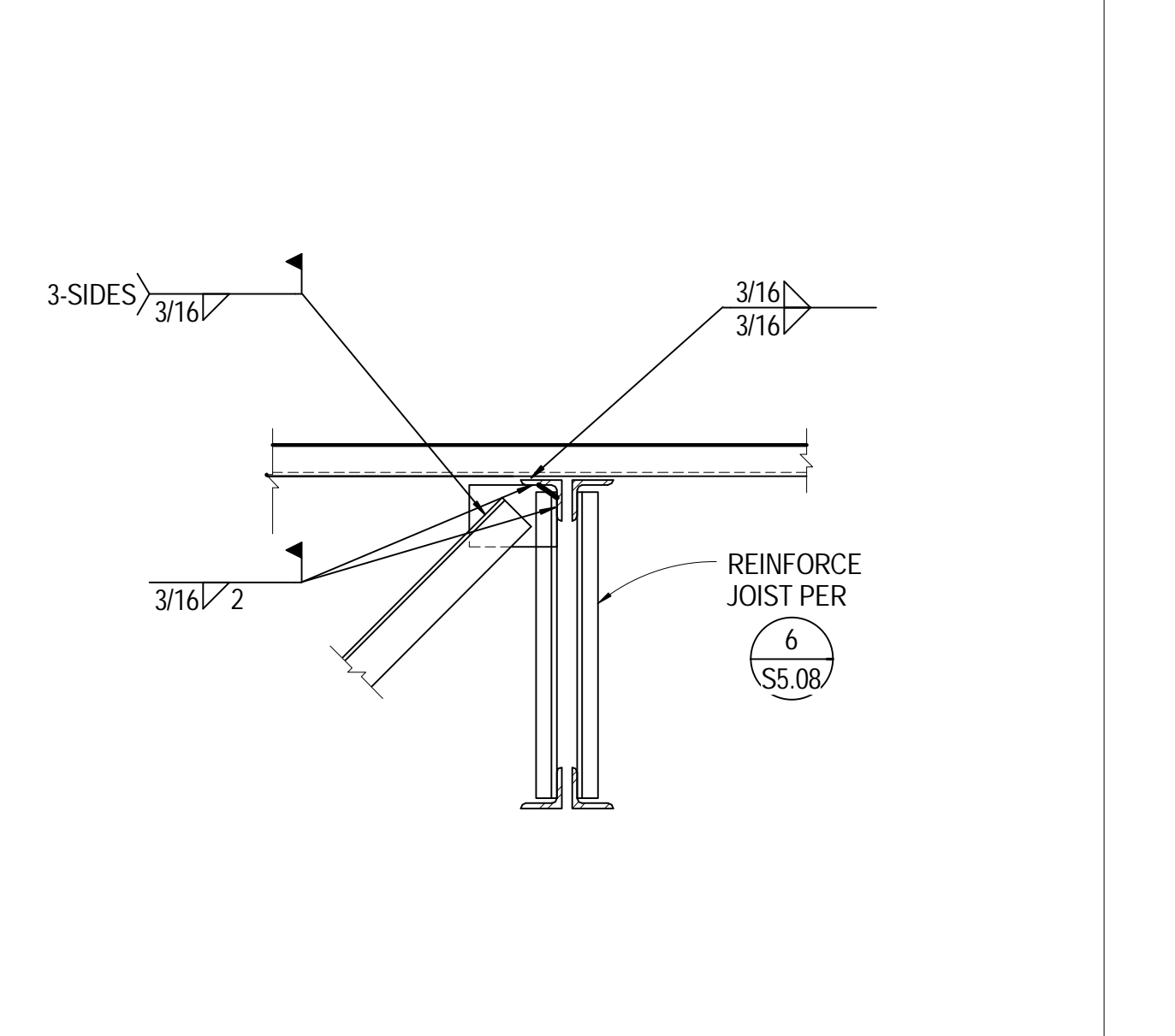
19 1" = 1'-0" ROOF EDGE 1



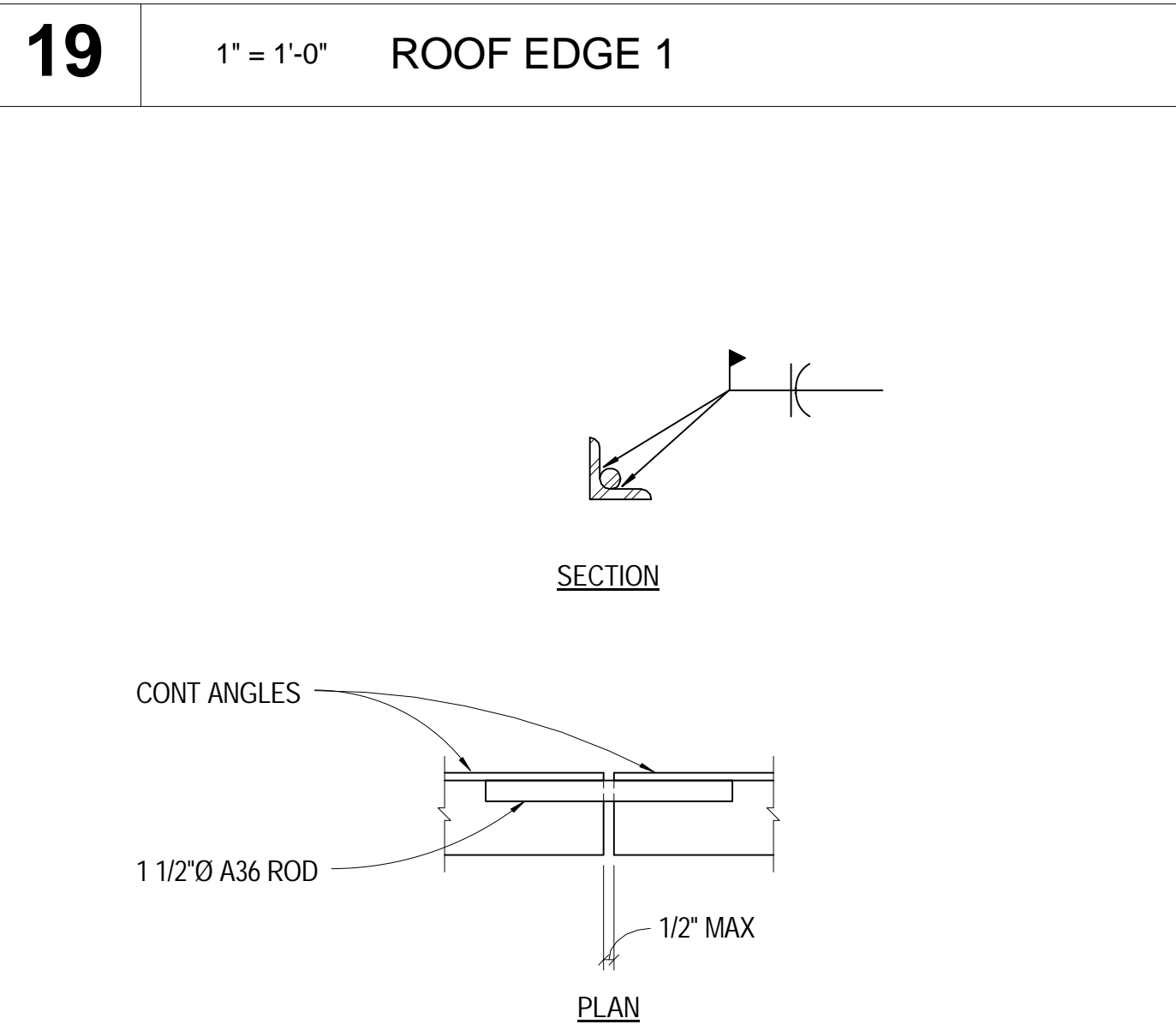
15 1 1/2" = 1'-0" CHANNEL AT AWNING EDGE



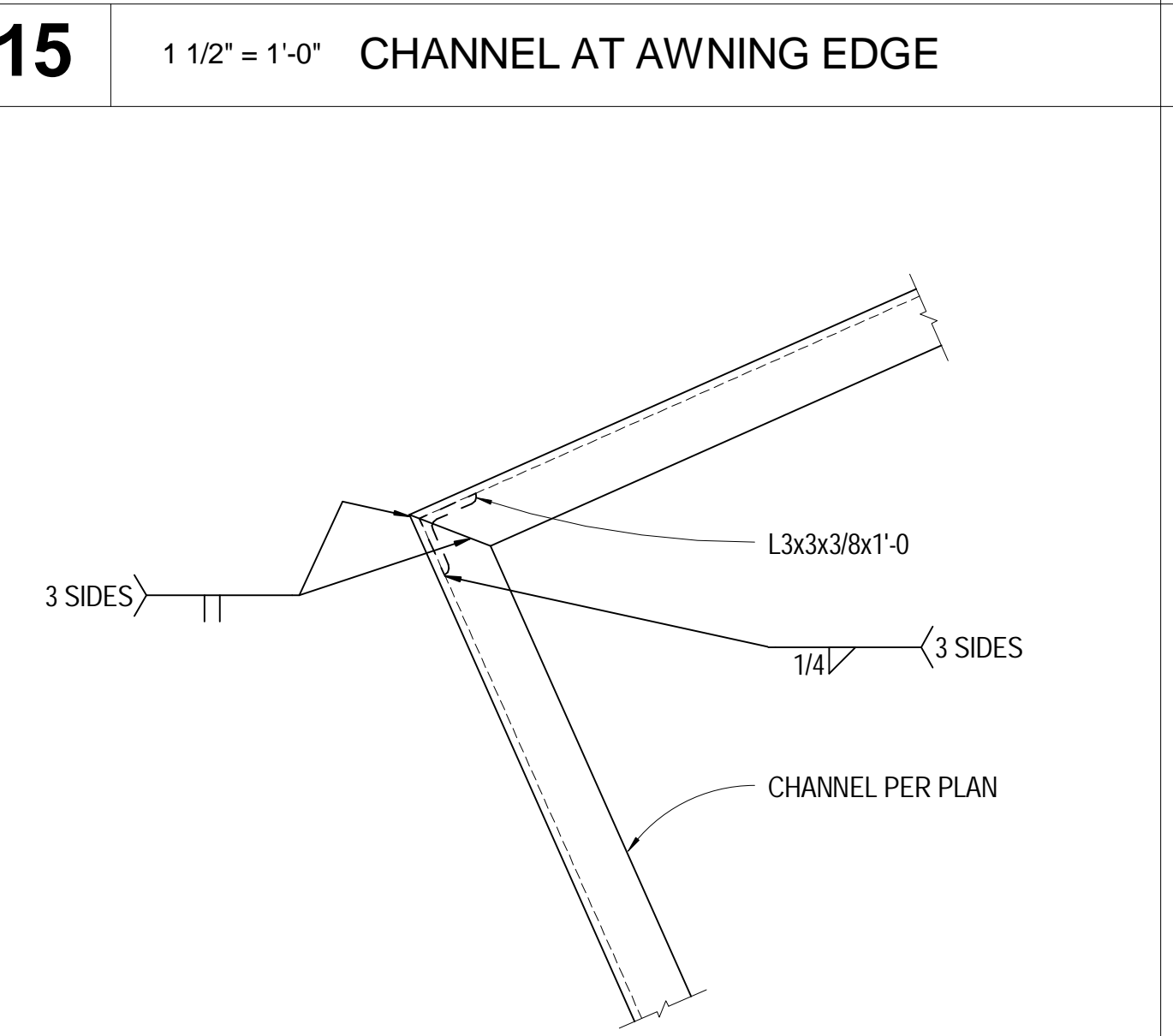
11 1 1/2" = 1'-0" CONCRETE PAD AT RTU



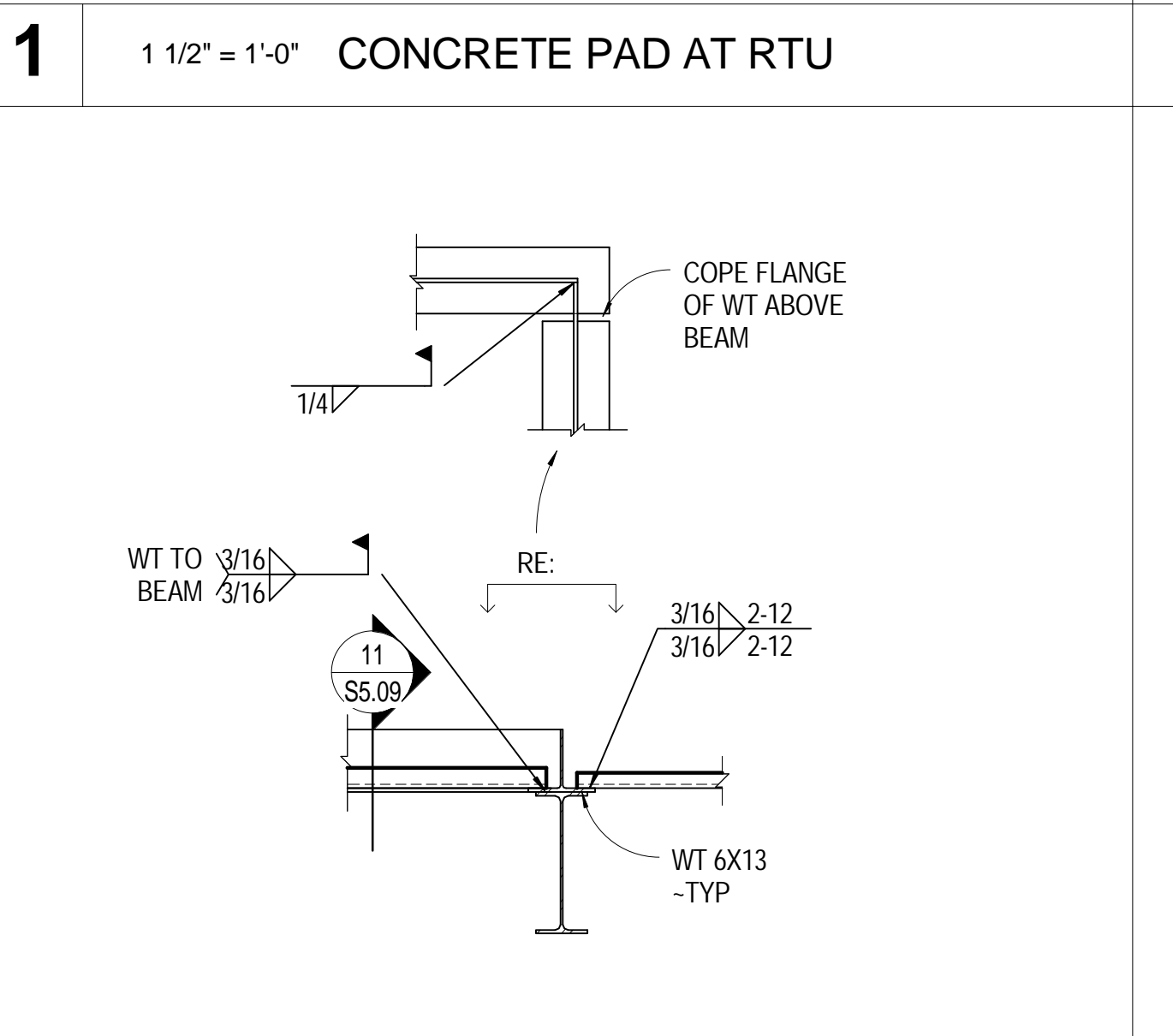
7 3/4" = 1'-0" BRACE CONN AT INTERIOR OPEN WEB STEEL JOIST



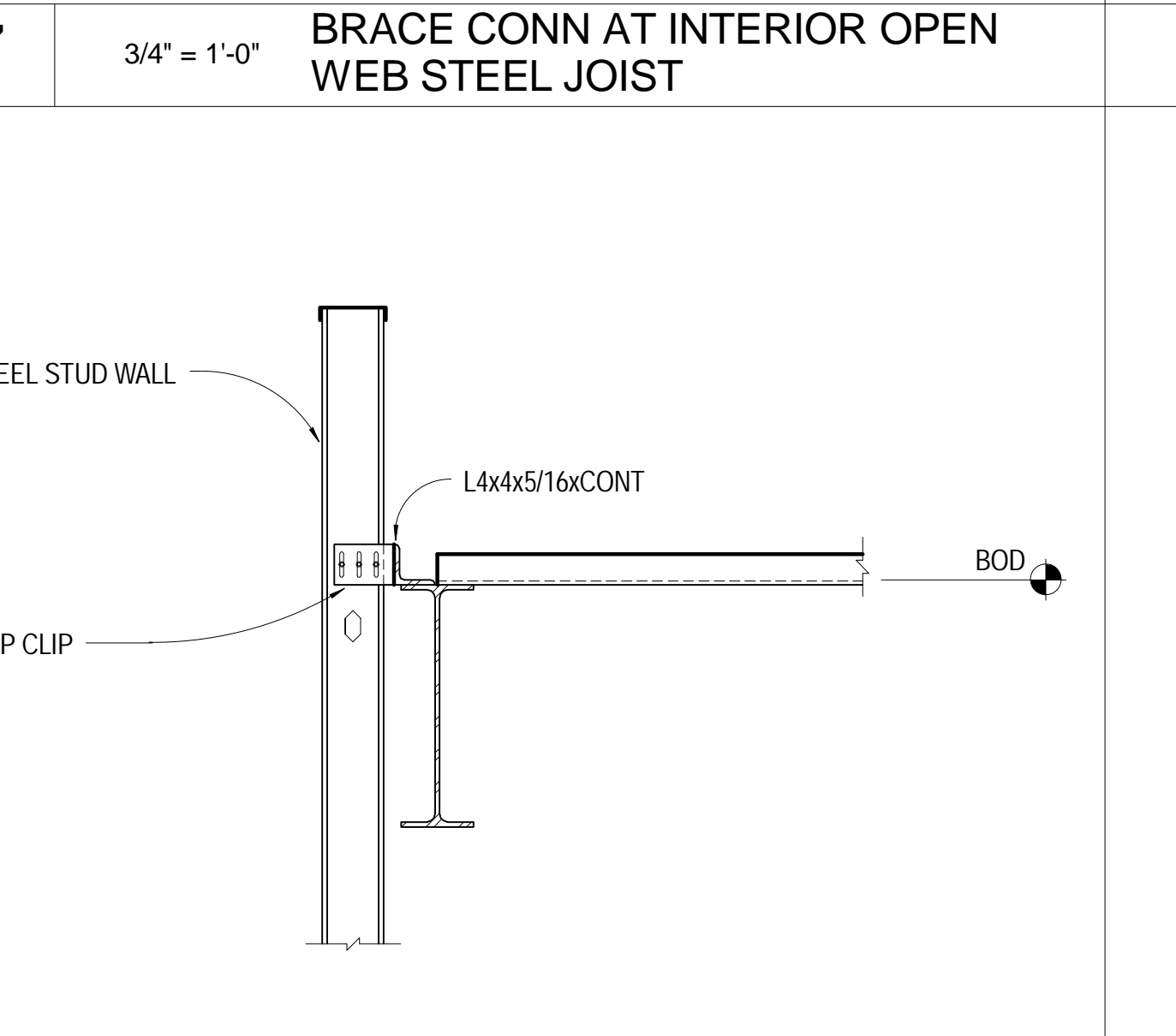
20 1 1/2" = 1'-0" TYP EDGE ANGLE CHORD SPLICE



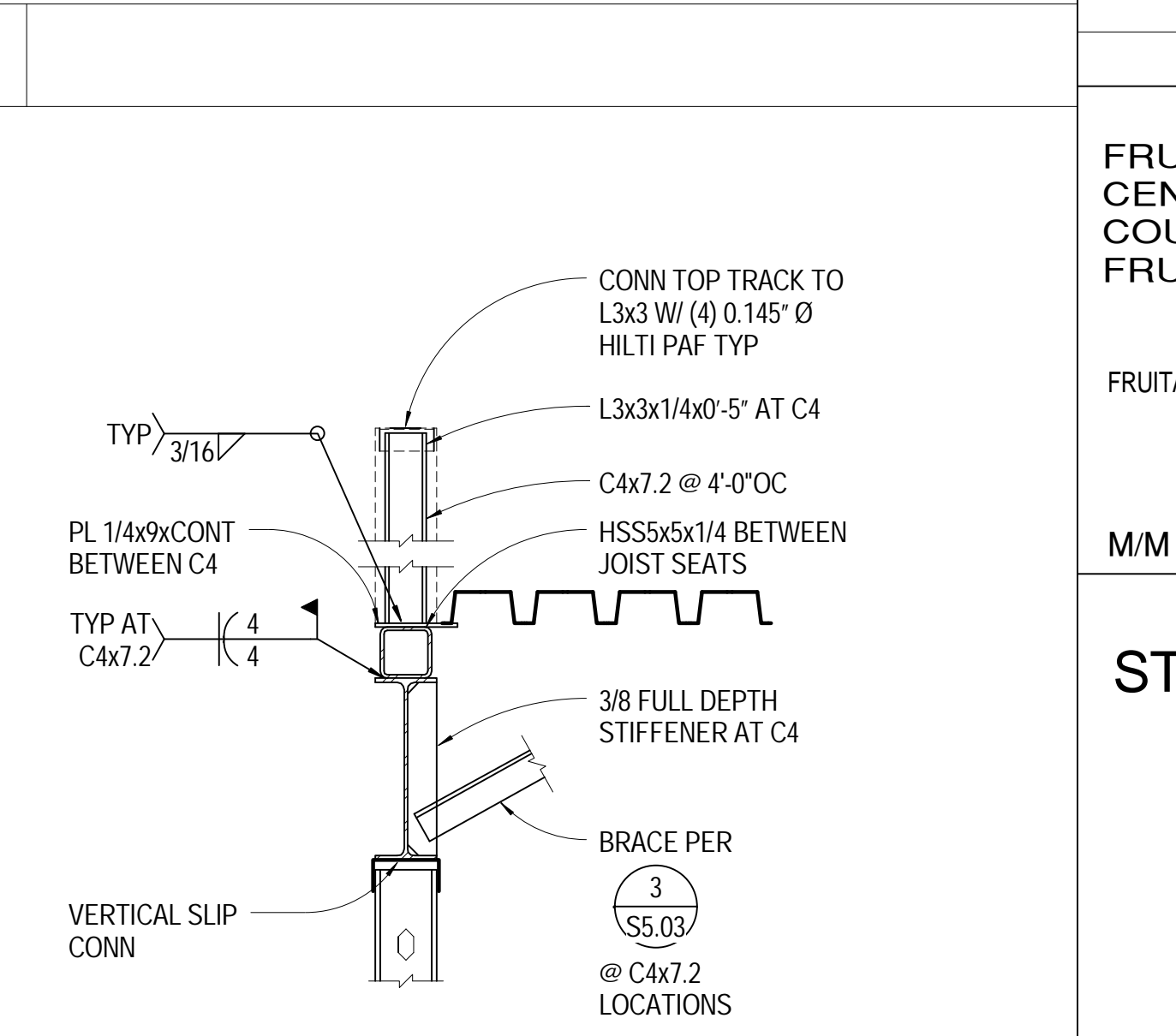
16 1 1/2" = 1'-0" CHANNEL CORNER CONN AT AWNING



12 3/4" = 1'-0" CONCR PAD AT RTU DECK PERP



8 3/4" = 1'-0" STUD WALL AT BEAM



4 3/4" = 1'-0" GIRDER AT WALL BETWEEN JOISTS

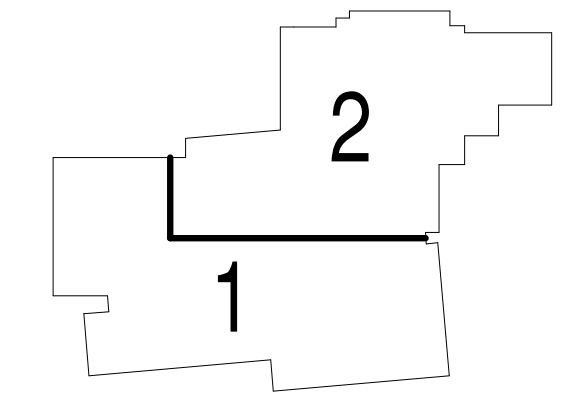


SINK COMBS DETHLEFS
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.358.0201, 303.358.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
18499 WEST GOLDFAX AVENUE, P.O. BOX 1163000, LAKWOOD, COLORADO 80116
303.431.6100, 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

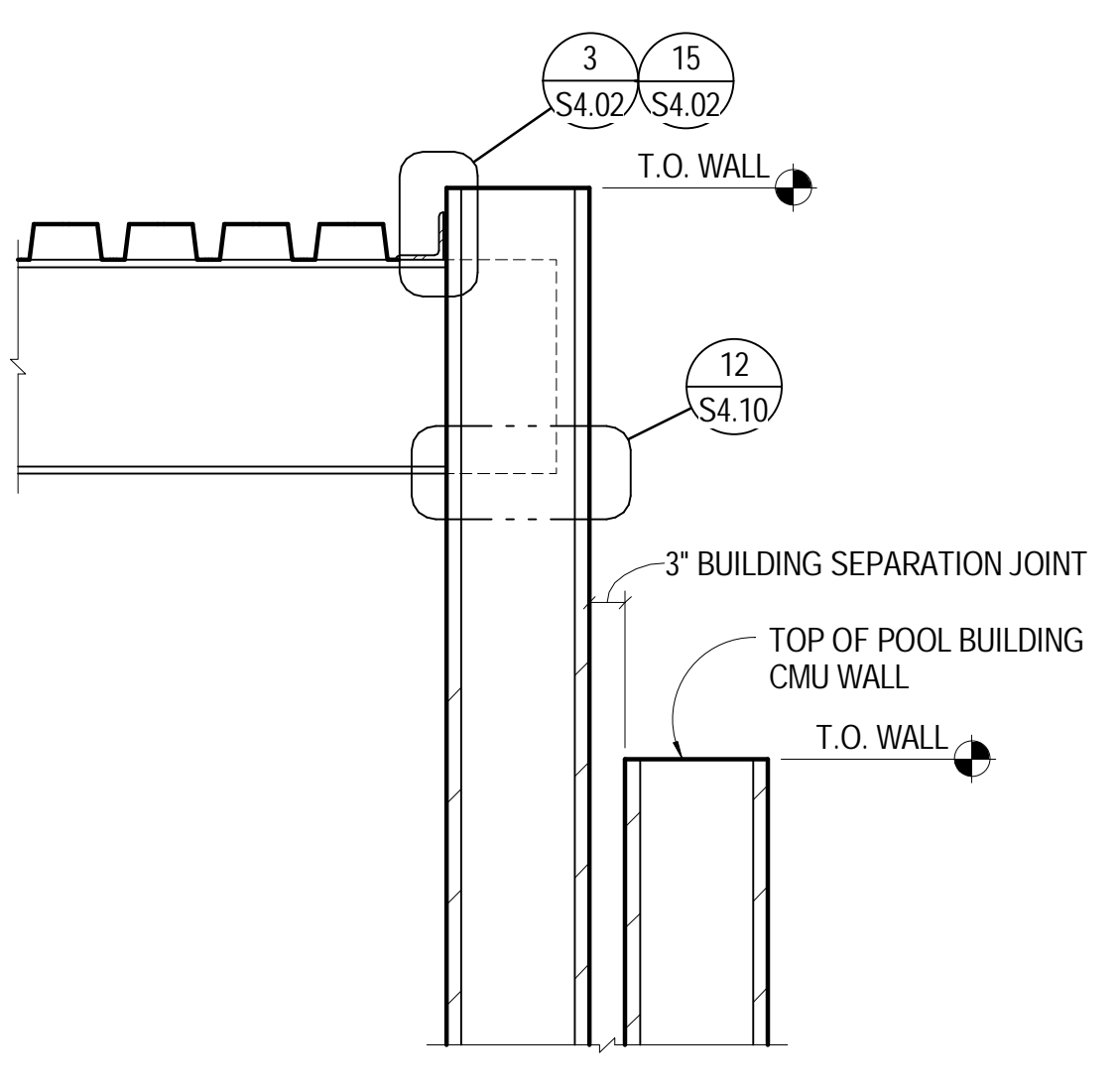
M/M Project No.: 21468.S.01

STEEL DETAILS

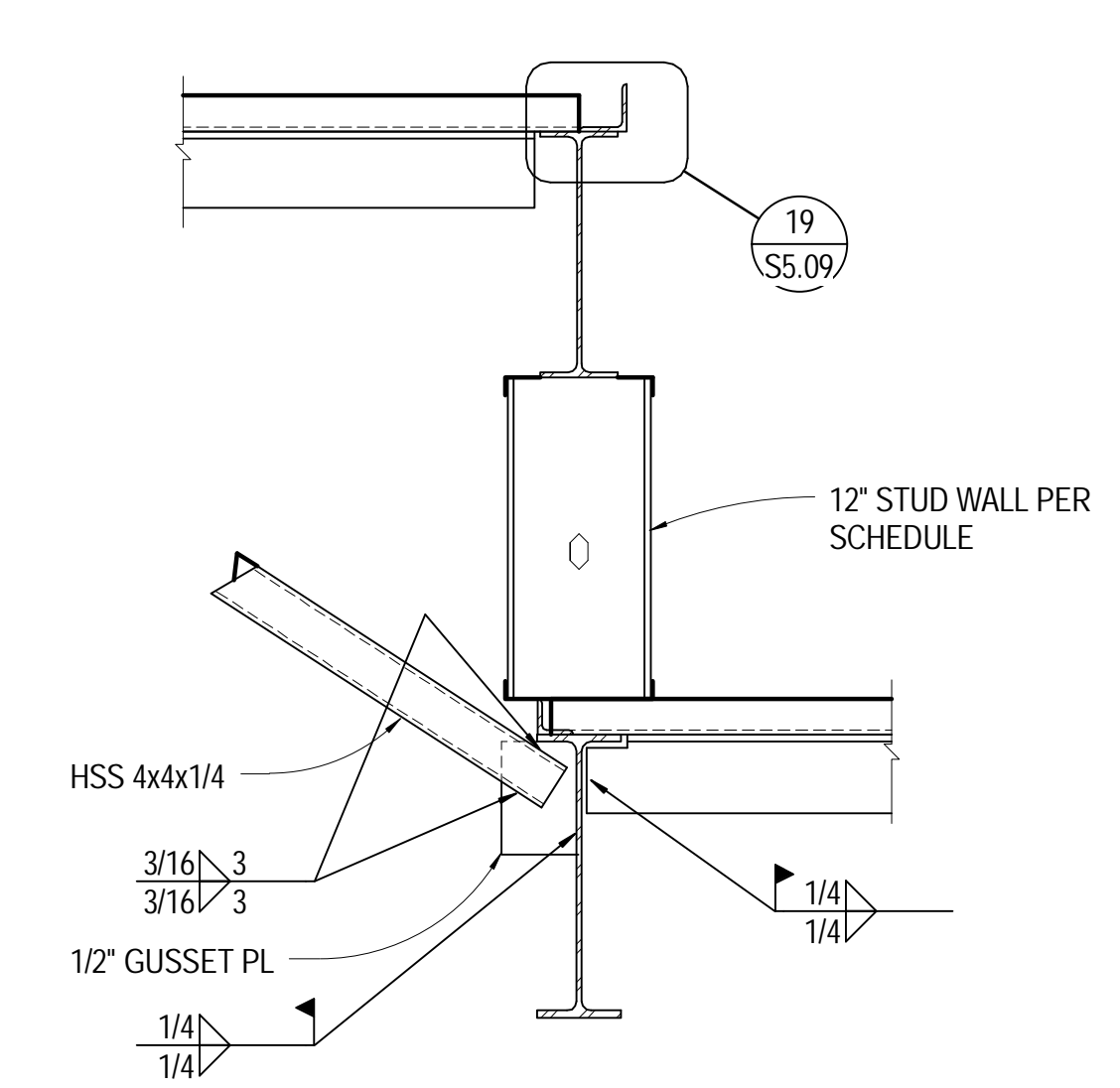
Drawn By: DE, LB
Checked By: BN, GS

S5.09

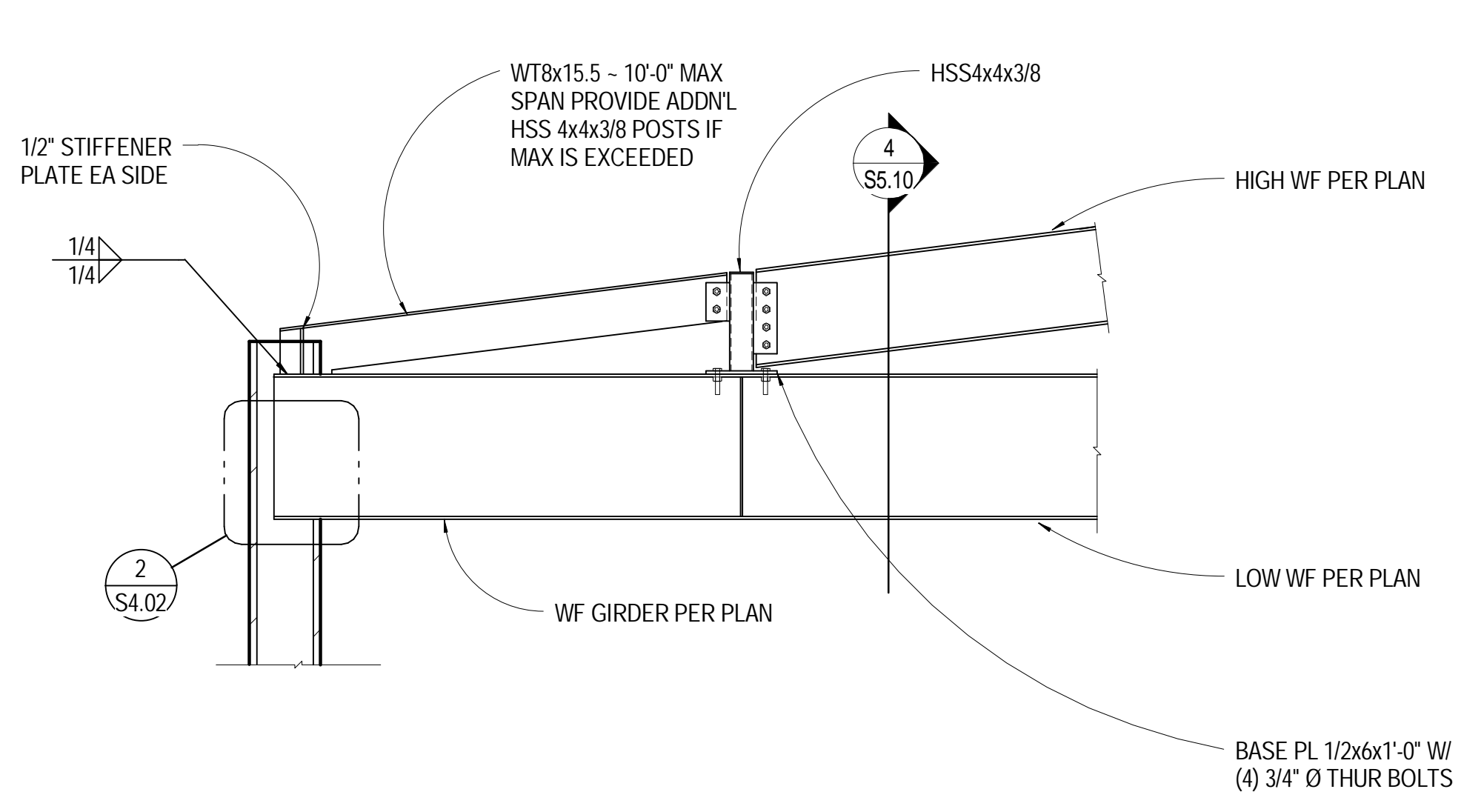
MM JOB #: 21468.S.01
DESIGNERS: GARTH SCHOL
PRINCIPAL: BEN NELSON
EOR: BEN NELSON
PROJECT MANAGER: GARTH SCHOL
DATE PRINTED: 9/22/2009 8:37:30 AM



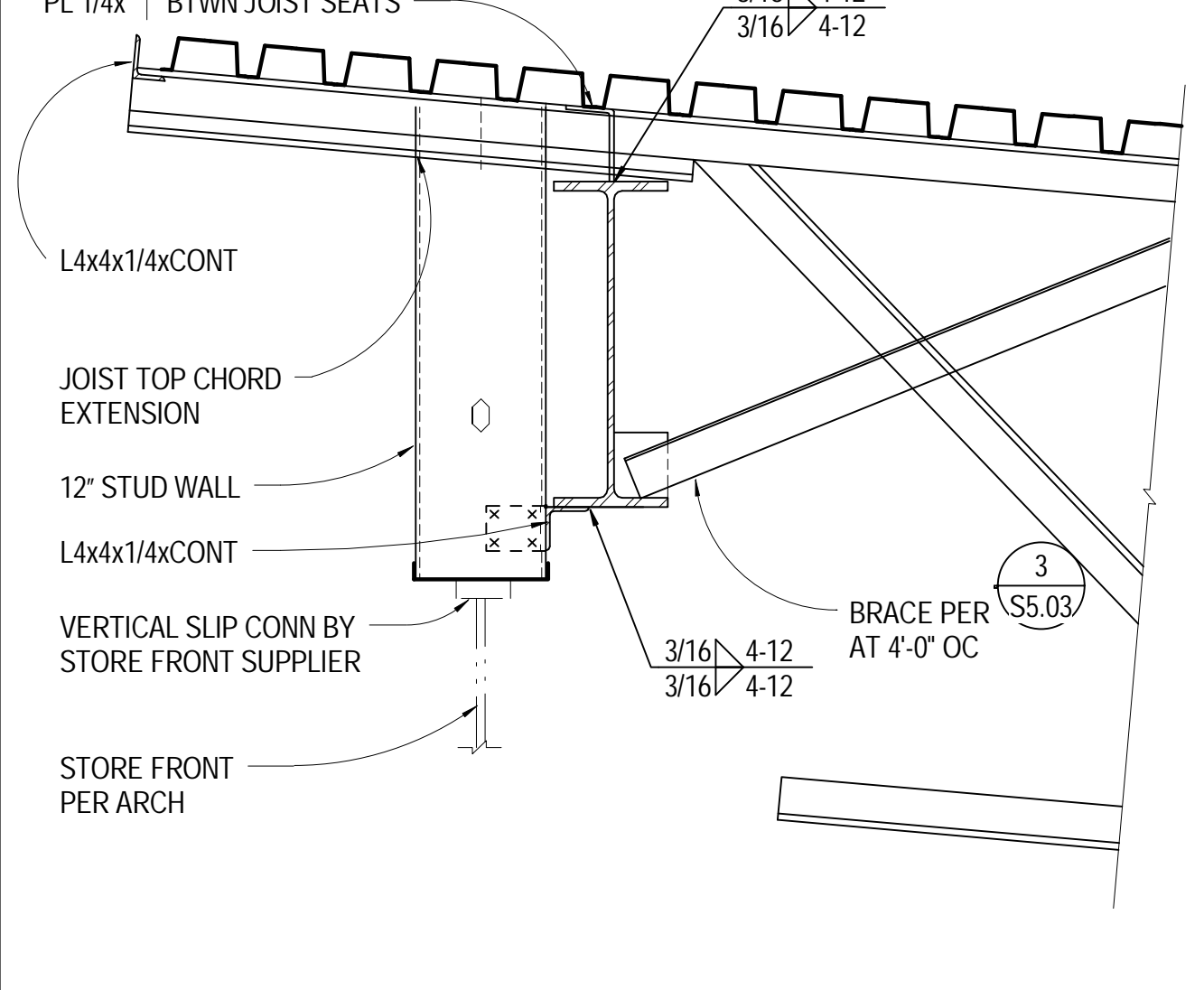
17 3/4" = 1'-0" BUILDING SEPARATION AT ROOF CMU



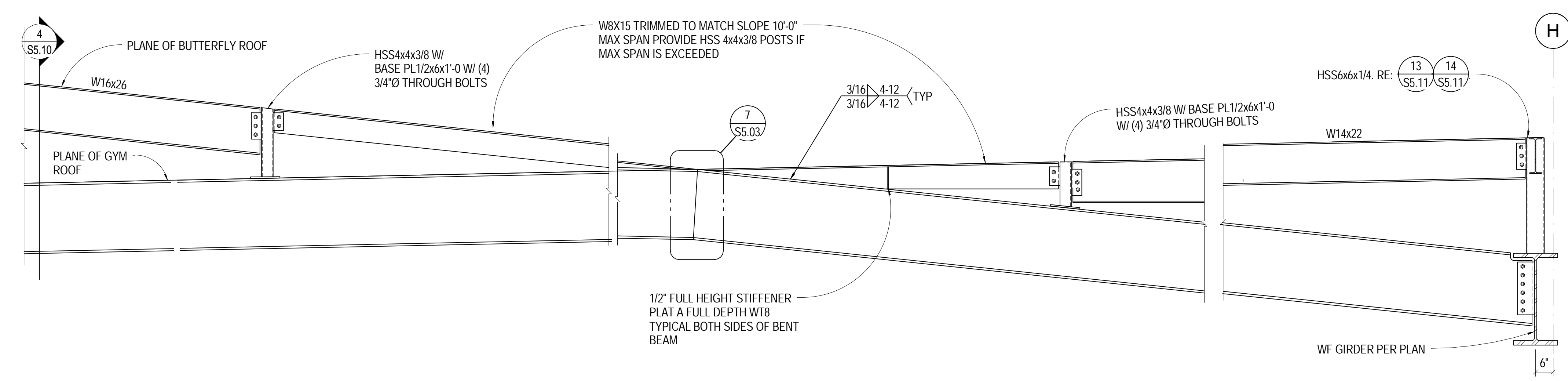
13 3/4" = 1'-0" DRAG AT BUTTERFLY GRID K



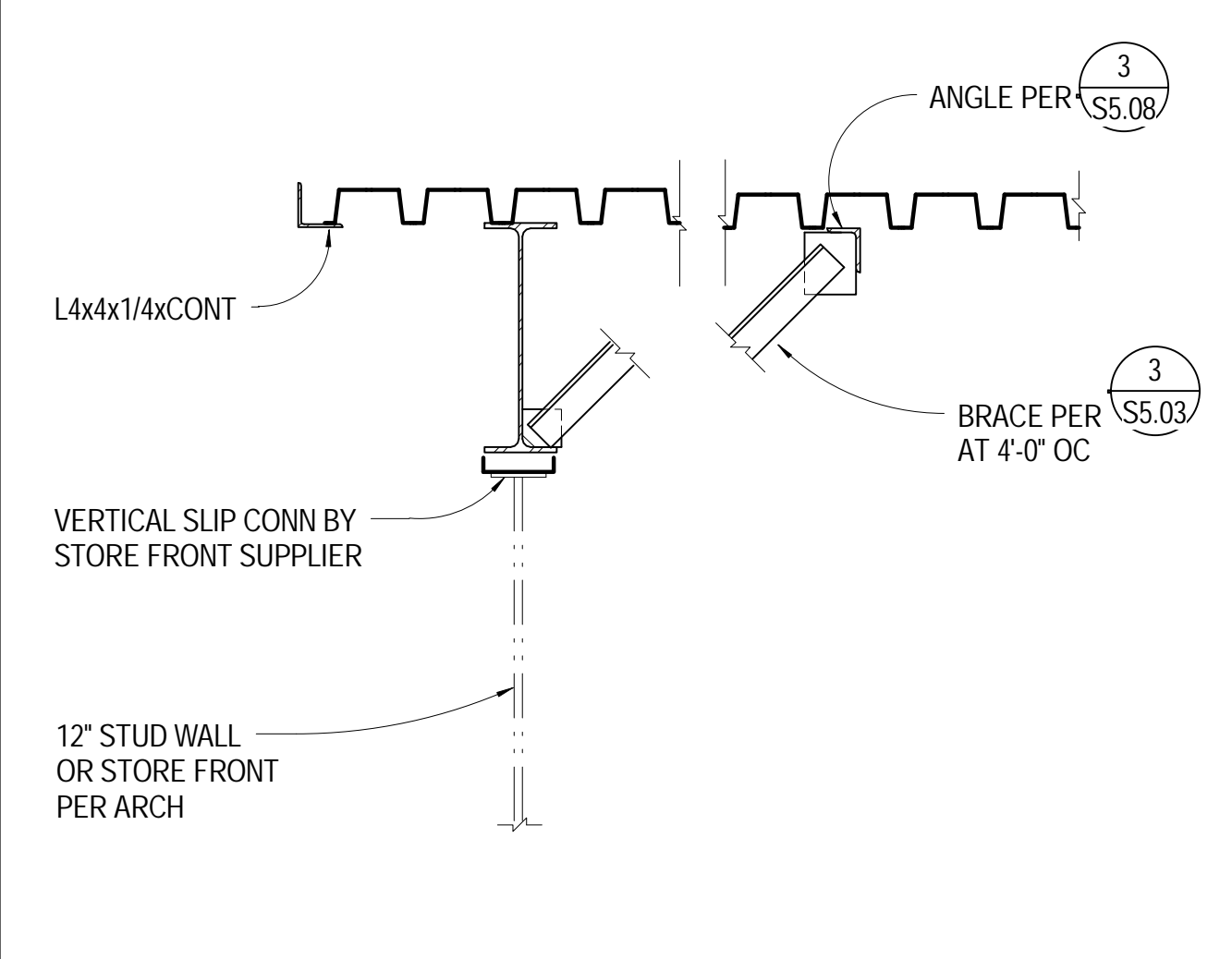
9 1/2" = 1'-0" NORTH BUTTERFLY ROOF ELEVATION



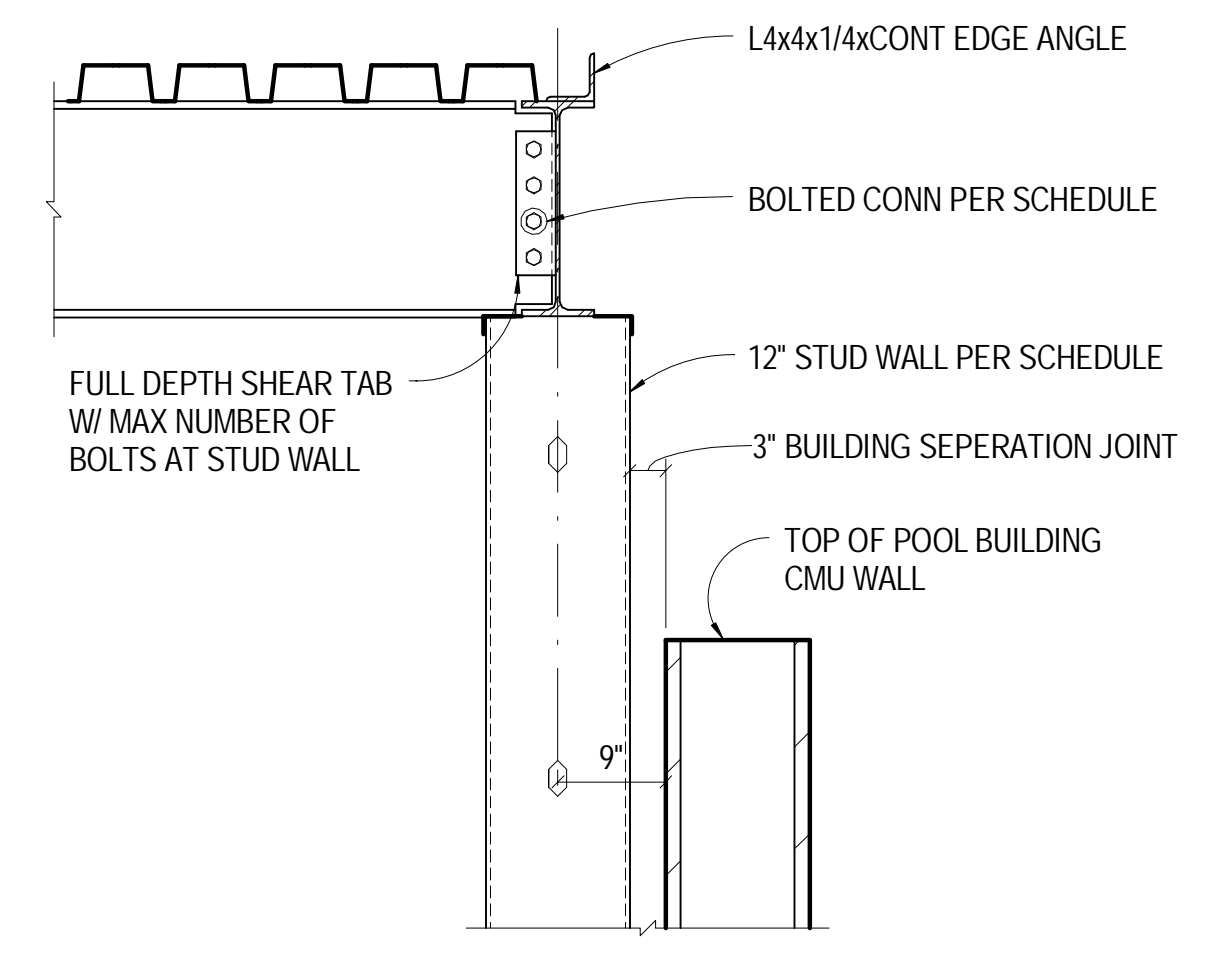
1 3/4" = 1'-0" BUTTERFLY ROOF AT JOIST BEARING



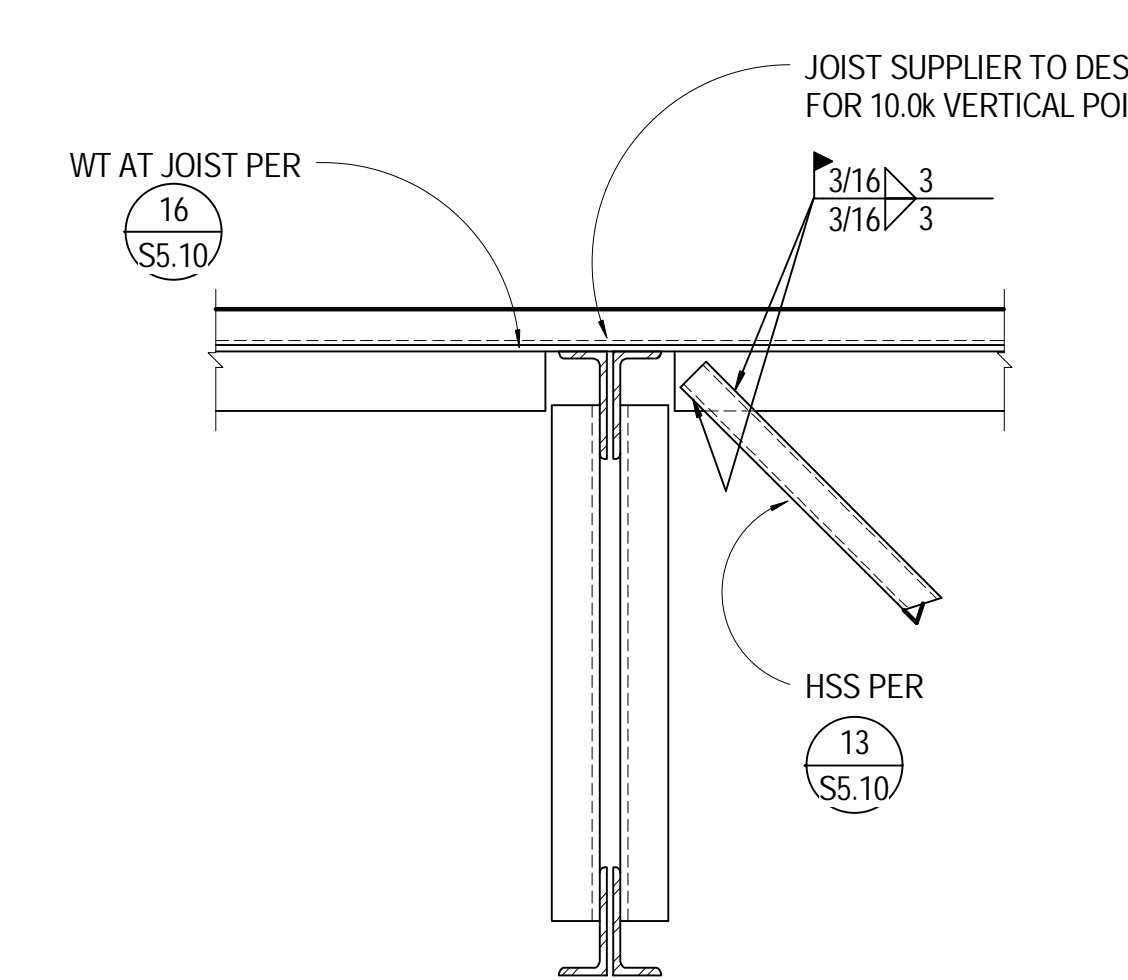
18 1/2" = 1'-0" SOUTH BUTTERFLY ROOF ELEVATION



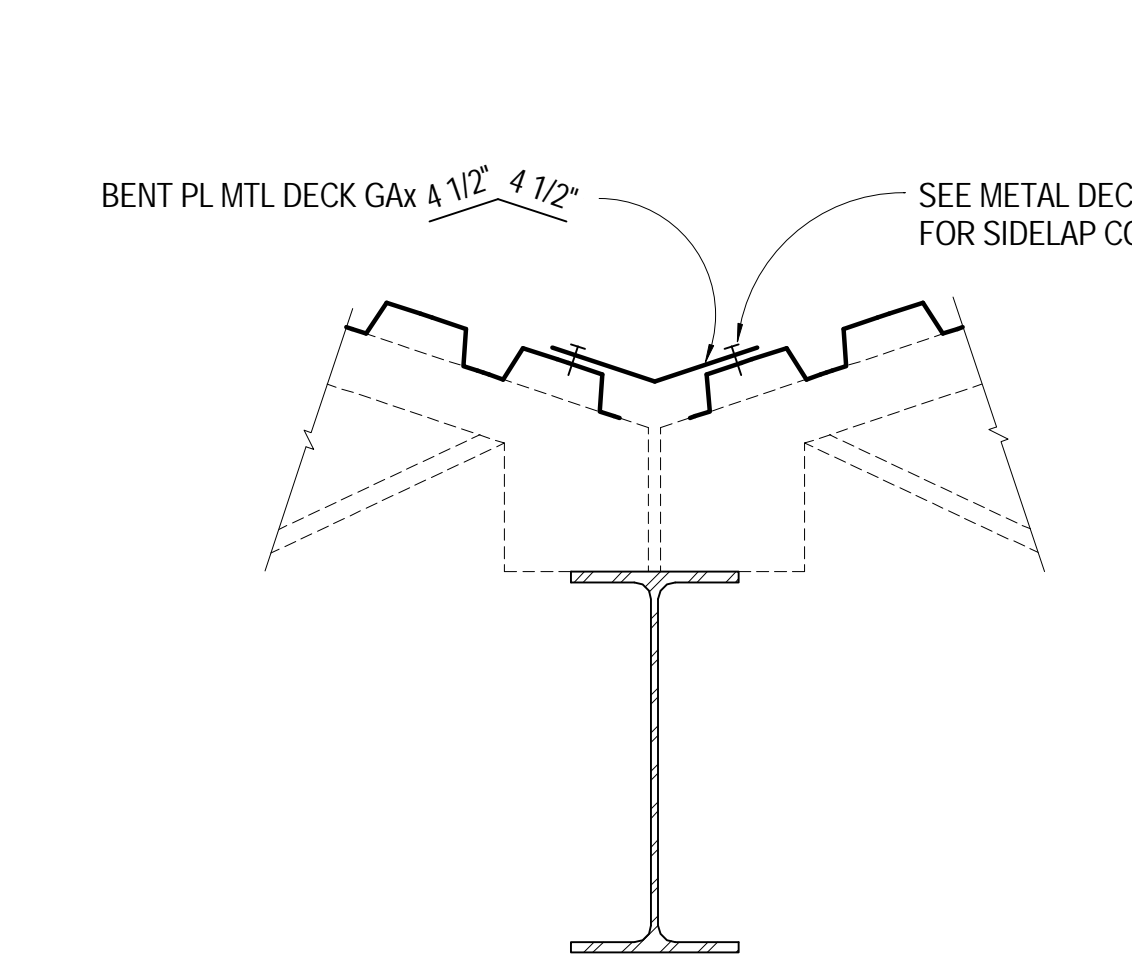
2 3/4" = 1'-0" BUTTERFLY ROOF AT JOIST PARALLEL



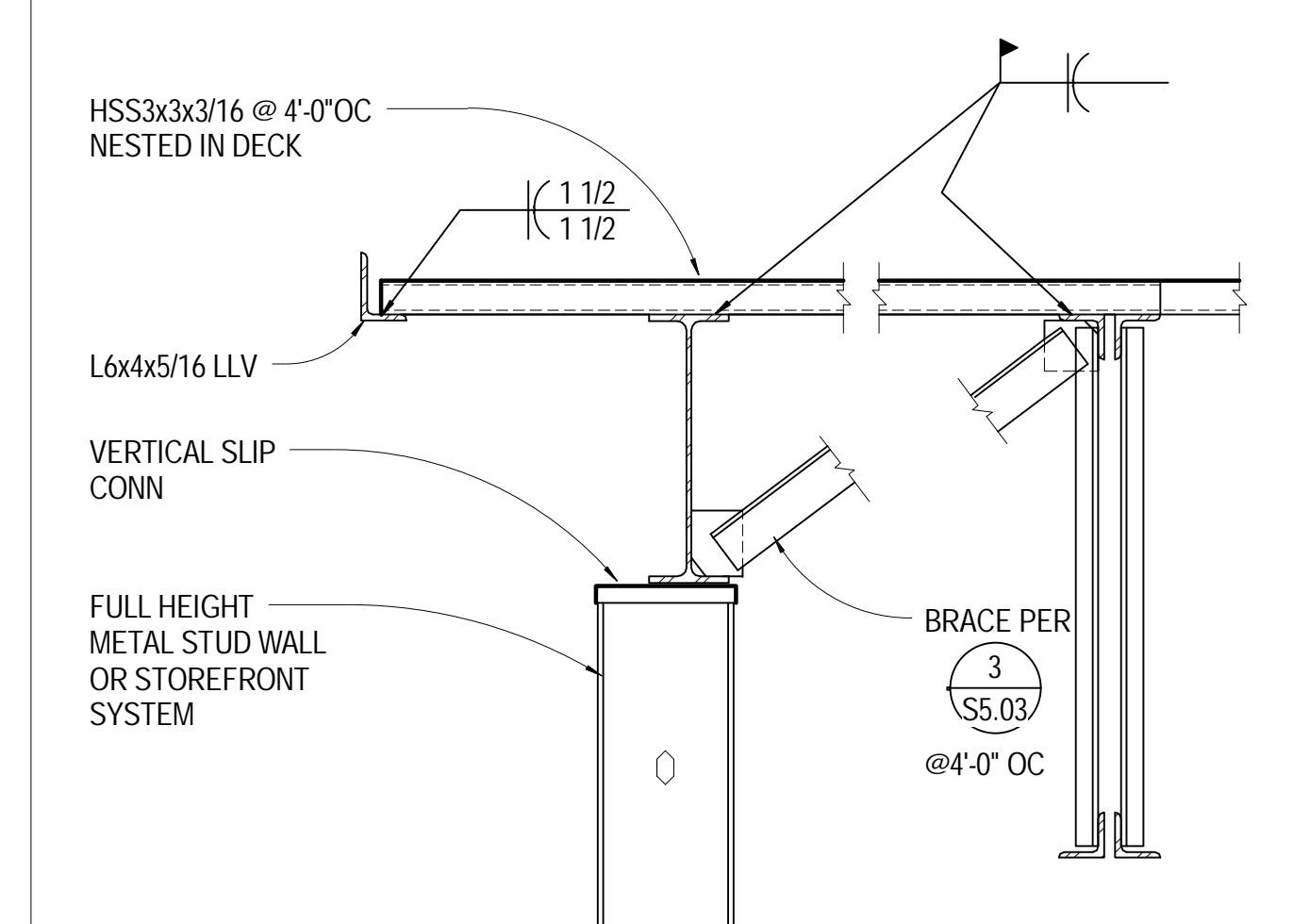
19 3/4" = 1'-0" BUILDING SEPARATION AT ROOF STEEL STUDS



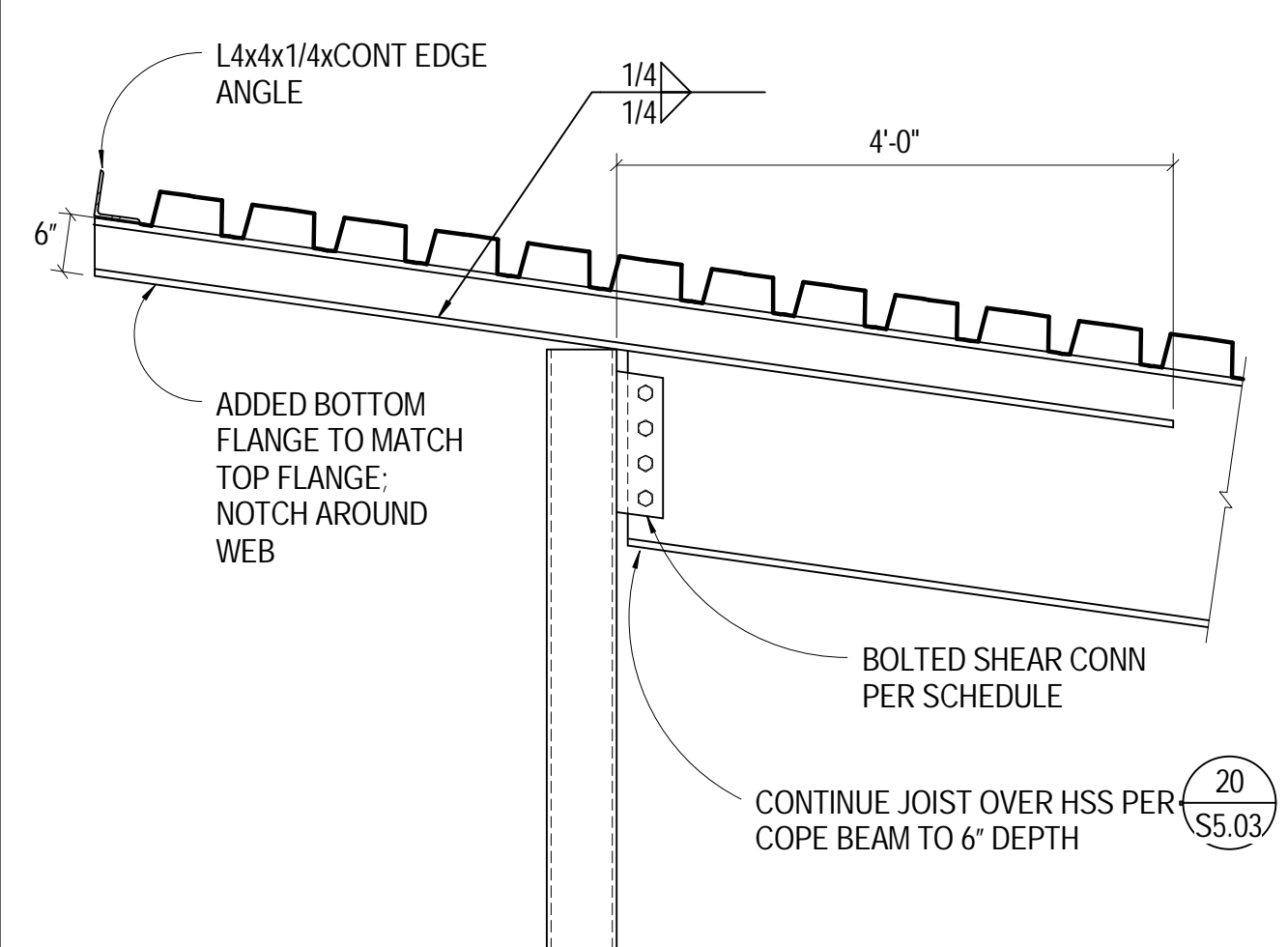
15 3/4" = 1'-0" DRAG AT BUTTERFLY



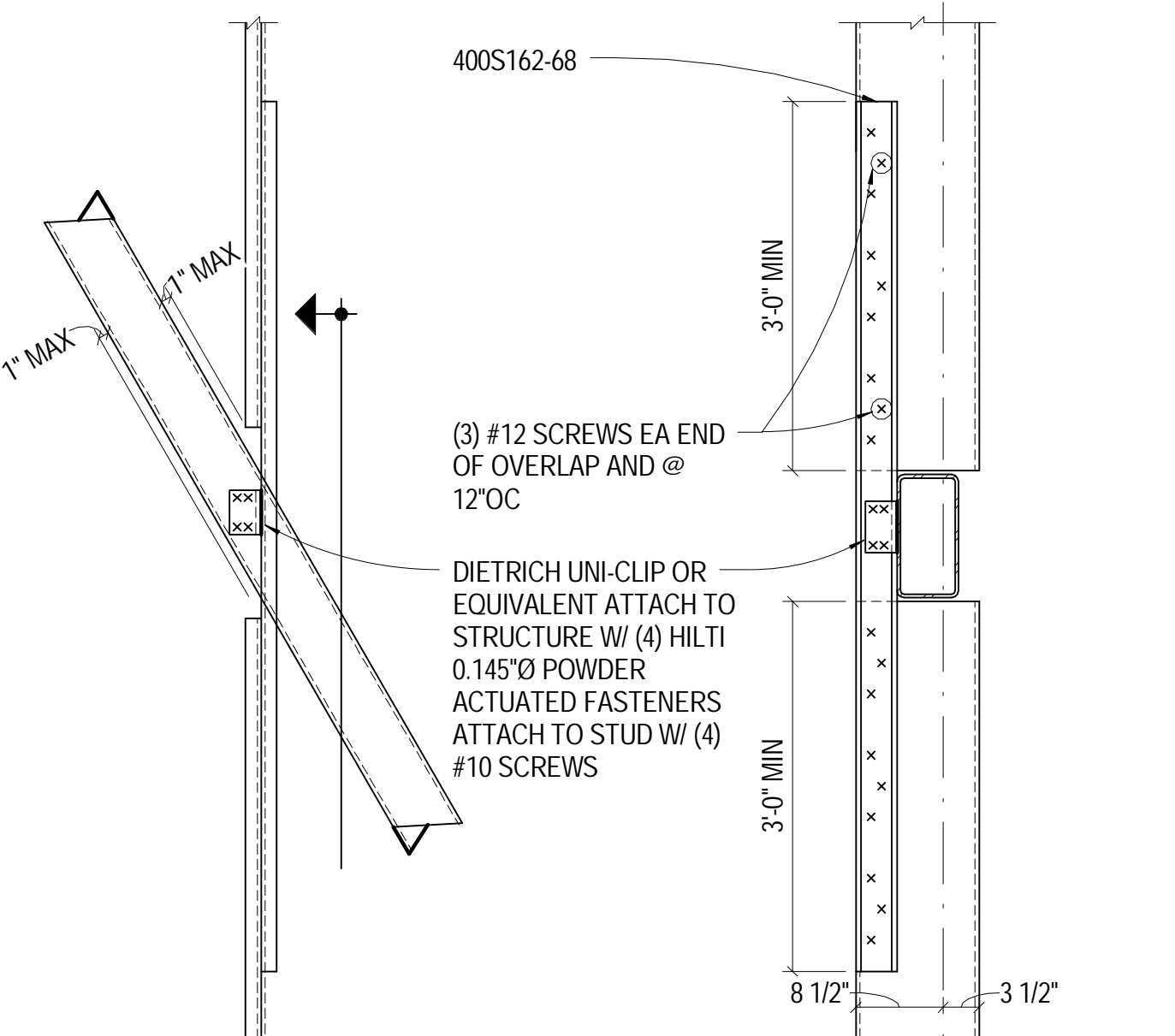
11 1 1/2" = 1'-0" TYP MTL DECK AT JOIST VALLEY



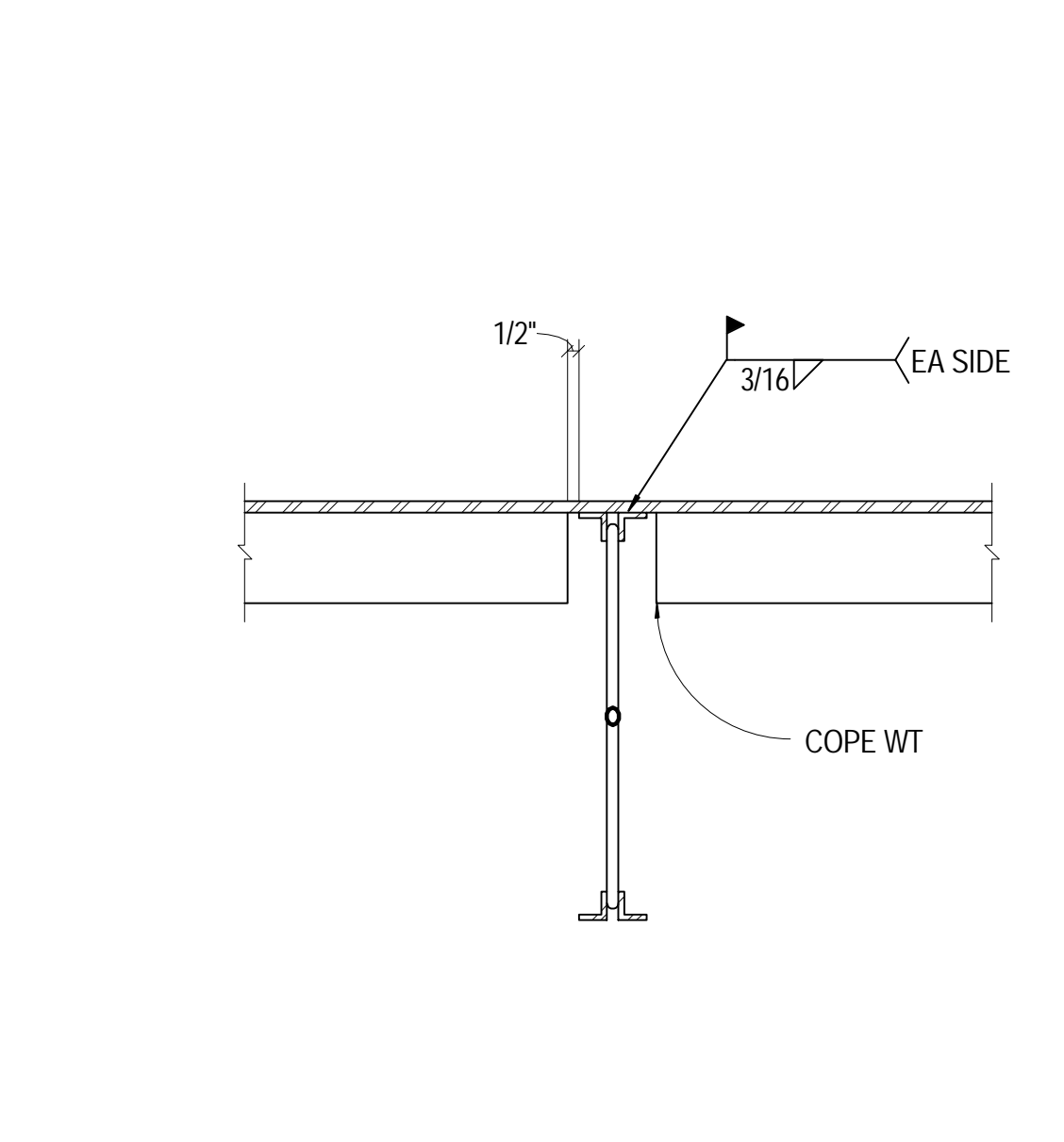
7 3/4" = 1'-0" BUTTERFLY ROOF AT FULL HEIGHT STUD WALL



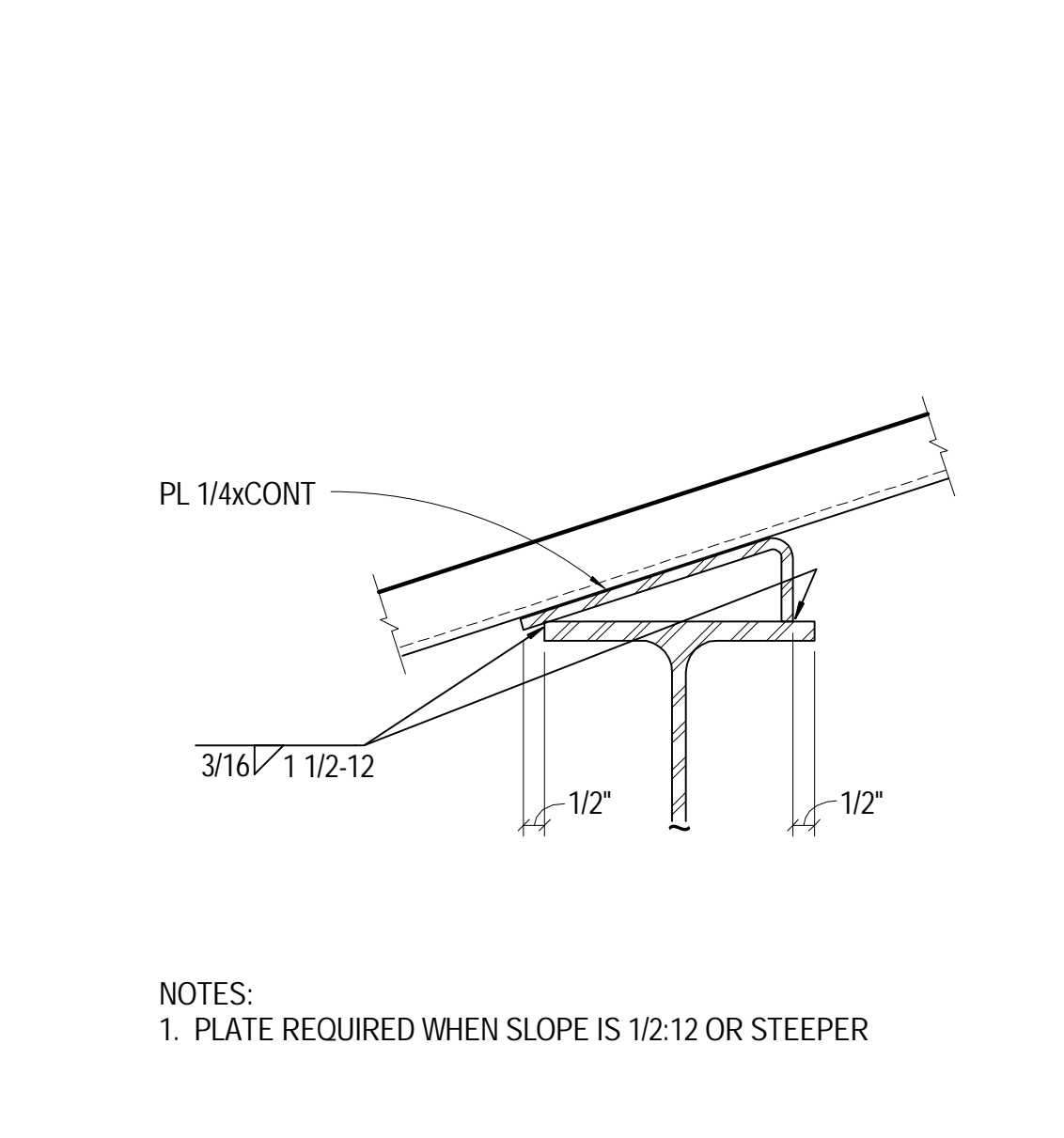
3 3/4" = 1'-0" EXTENDED WF AT BUTTERFLY EDGE



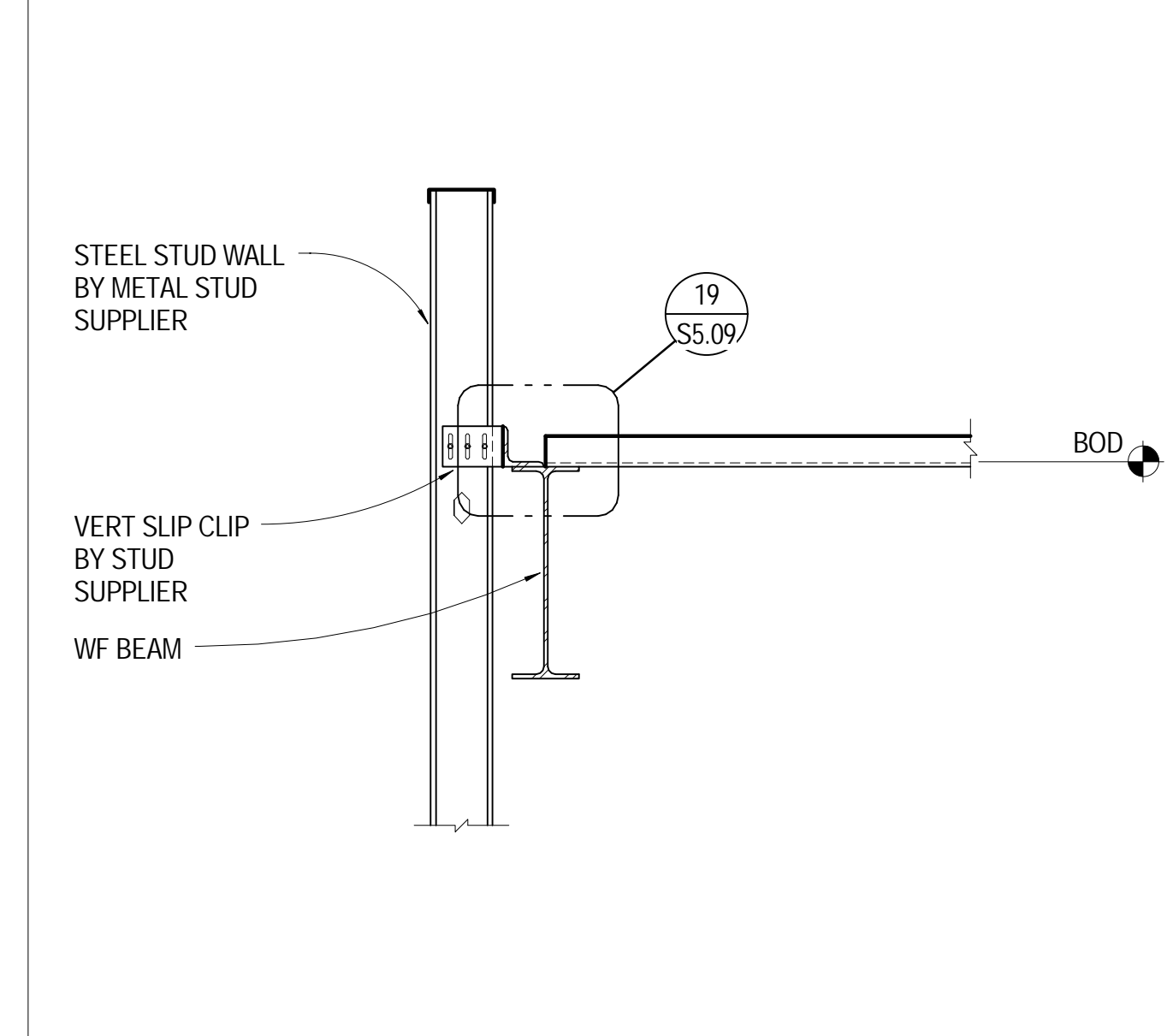
20 3/4" = 1'-0" STUD WALL AT BRACE



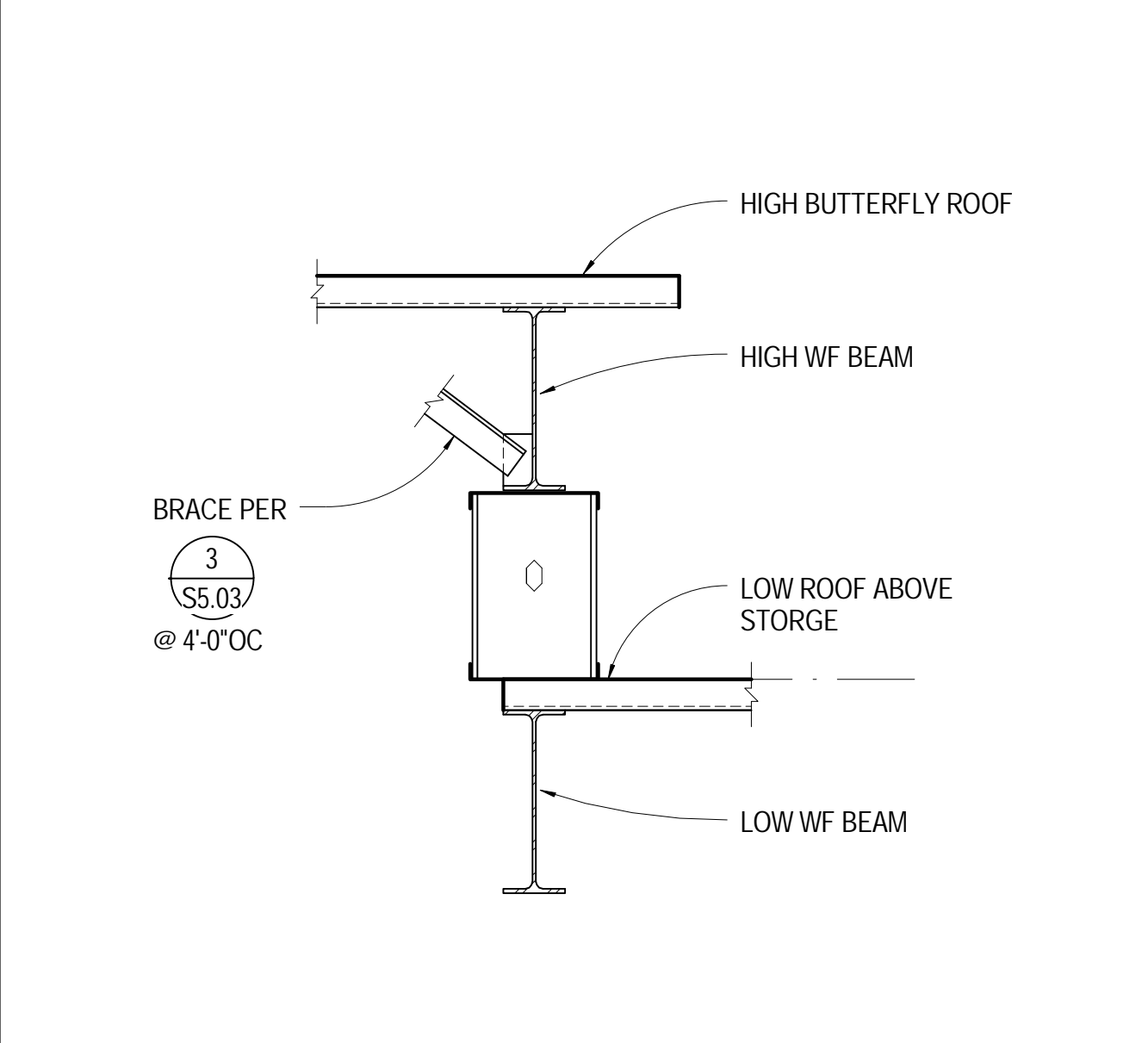
16 1 1/2" = 1'-0" TYP STEEL JOIST DRAG MEMBER CONNECTION



12 3" = 1'-0" TYP MTL DECK AT BM PERP TO SLOPE



8 3/4" = 1'-0" STUD WALL AT ROOF



4 3/4" = 1'-0" ROOF AT BUTTERFLY ABOVE STORAGE

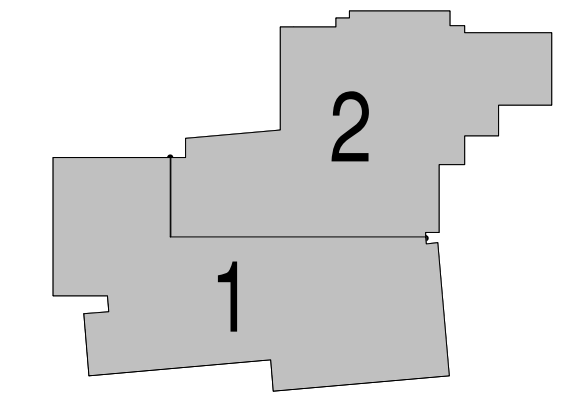
Professional Engineer
 26118
 09-22-09

SINK COMBS DETHLEFS
 Copyright © Sink Combs Dethlefs, P.C.
 475 Lincoln Street, Suite 100, Denver, Colorado 80203
 303.398.0201
 FAX: 303.398.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
 1849 WEST GOLDFAX AVENUE
 P.O. BOX 185 ROAD
 LAKEWOOD, COLORADO 80116
 303.431.6100
 FAX 303.431.6886

KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

M/M Project No.: 21468.S.01

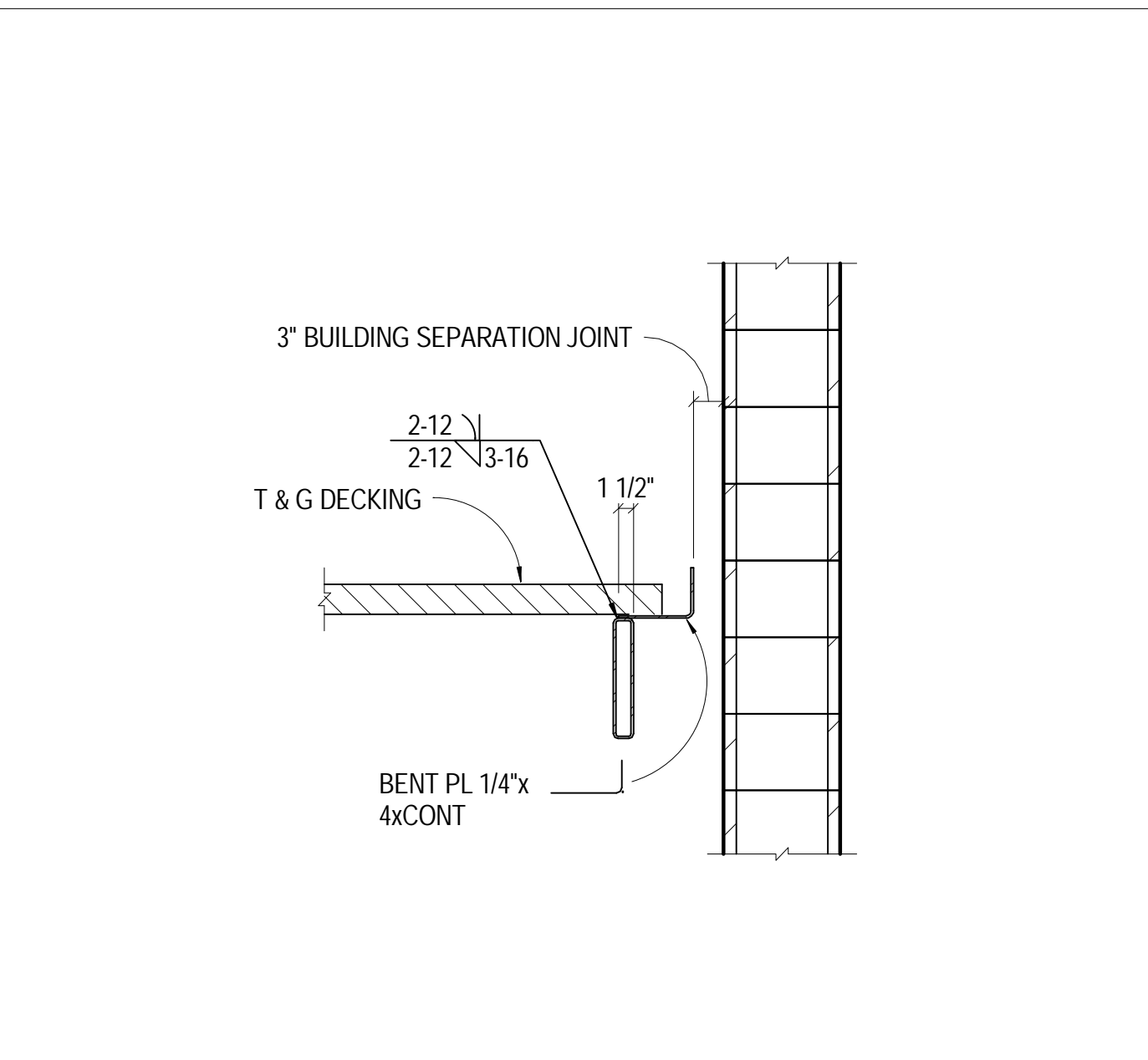
STEEL DETAILS

Drawn By: DE, LB
 Checked By: BN, GS

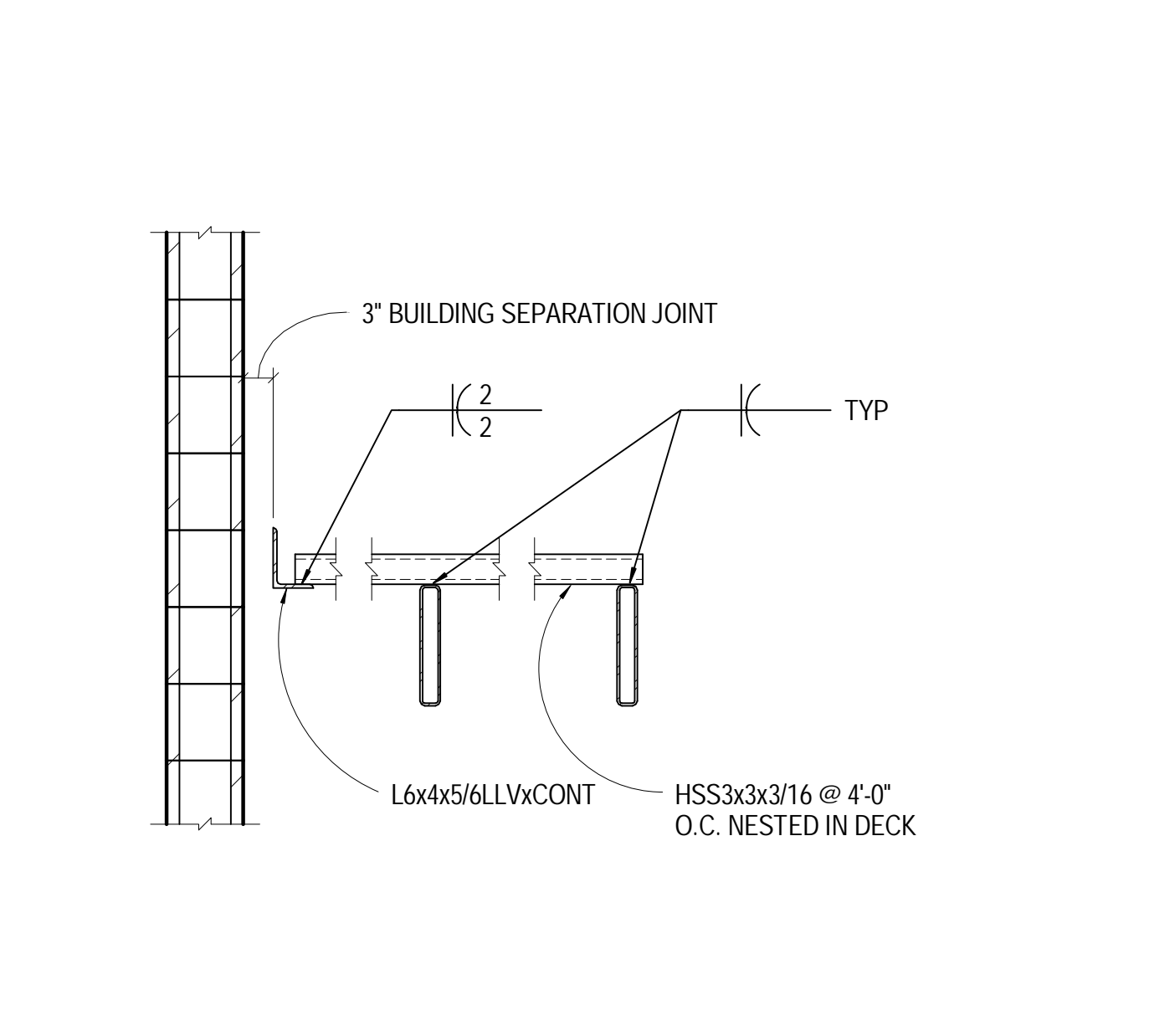
S5.10

\\Structur\PROJECTS\21468_01\Rev\21468.S.01
Fruita Rec.mt

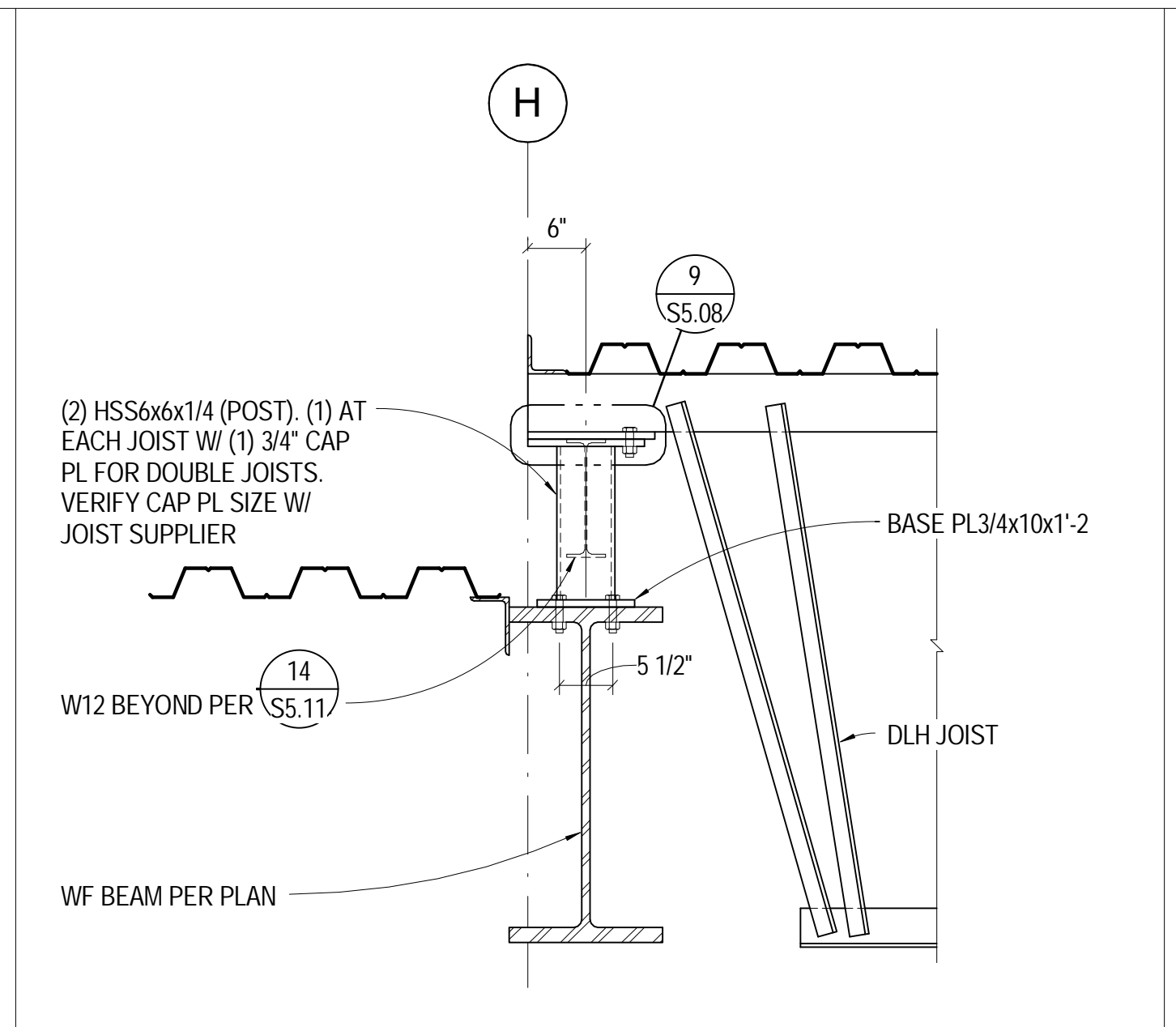
MM JOB #: 21468.S.01
DESIGNERS: GARTH SCHOL
PRINCIPAL: BEN NELSON
EOR: BEN NELSON
PROJECT MANAGER: GARTH SCHOL
DATE PRINTED: 9/22/2009 8:37:37 AM



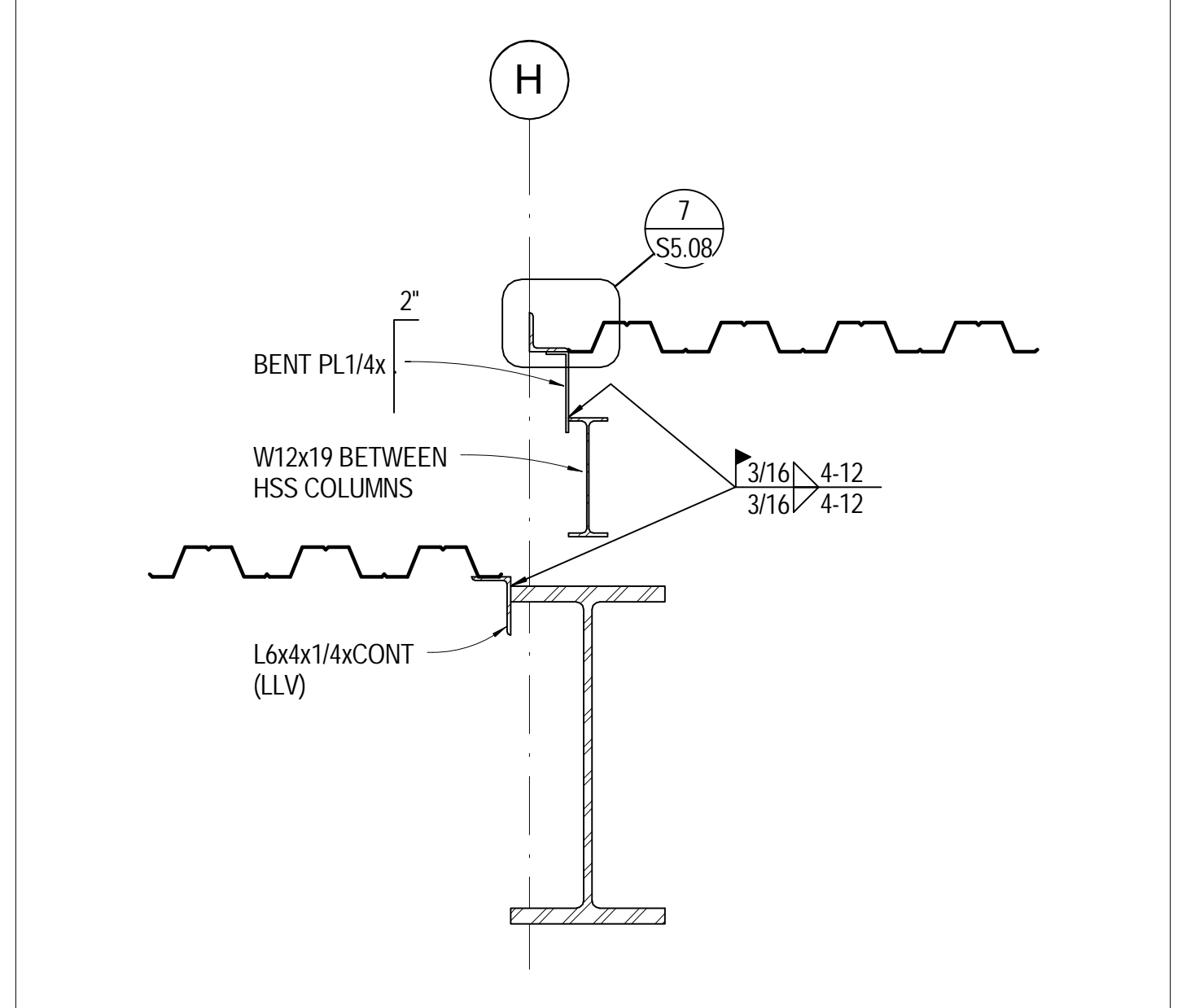
17 3/4" = 1'-0" AWNING AT BUILDING SEPARATION POINT



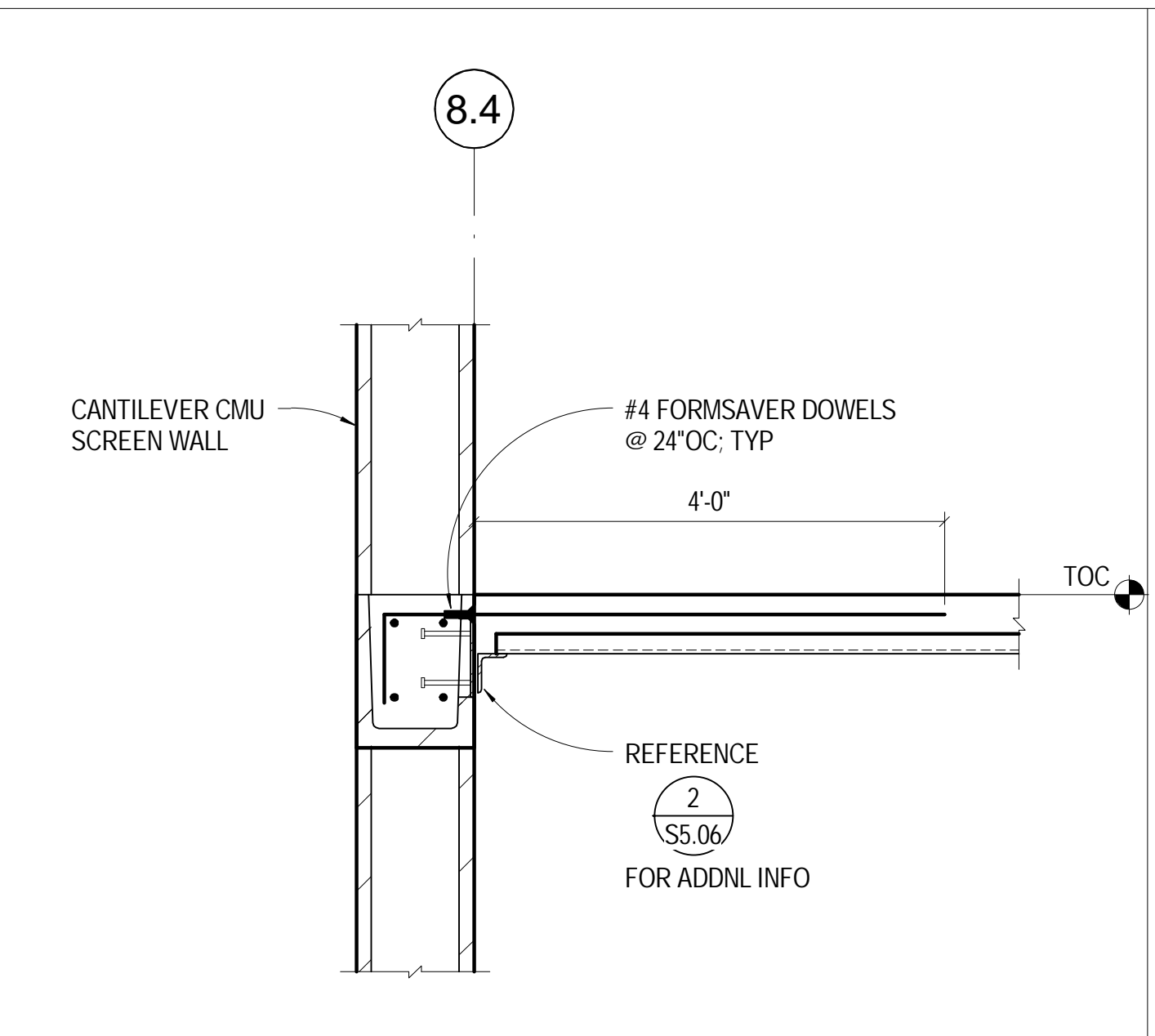
18 3/4" = 1'-0" CANTILEVER AWNING AT BUILDING SEPARATION



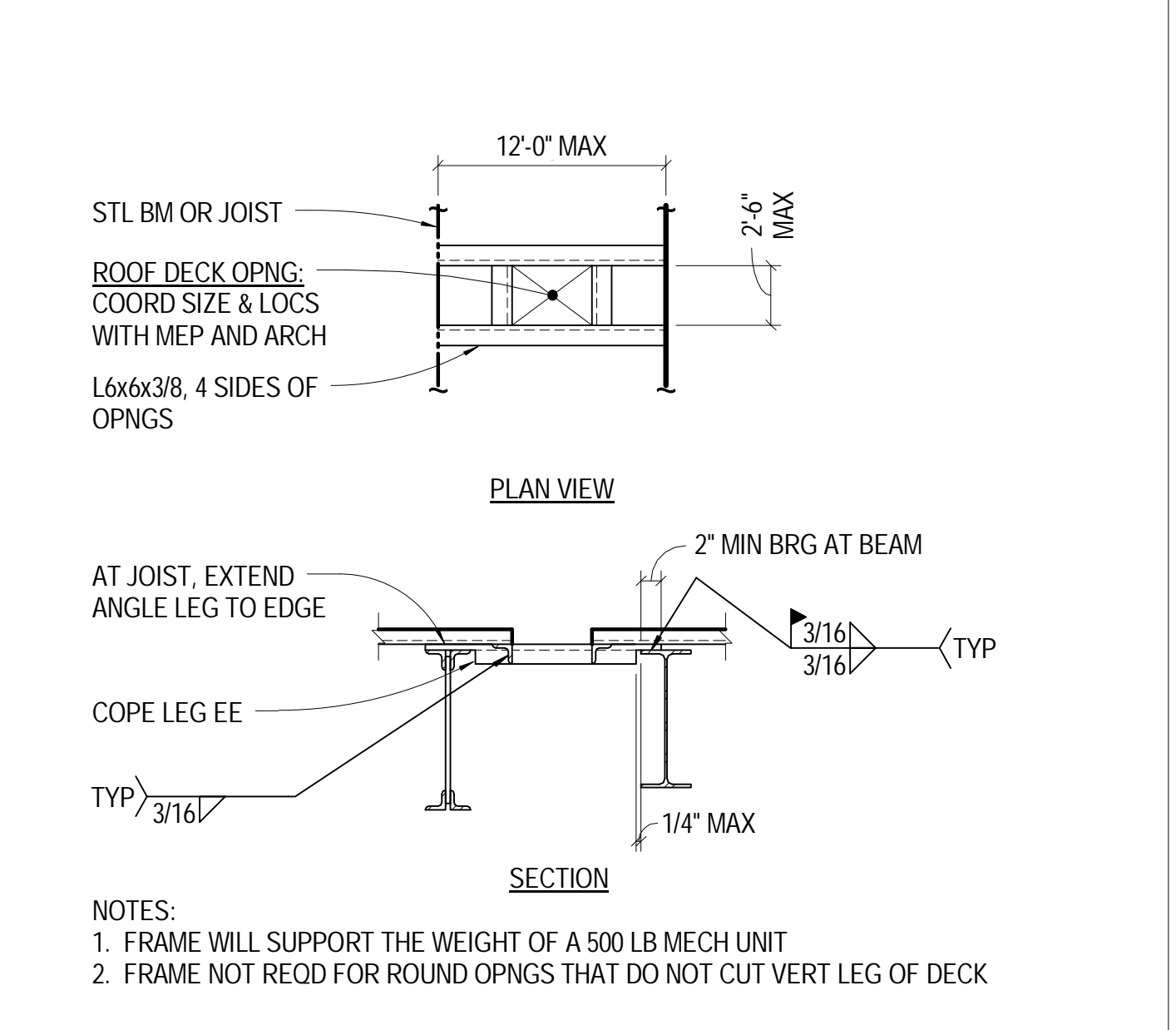
13 3/4" = 1'-0" GYM JOIST BRG AT GRID H



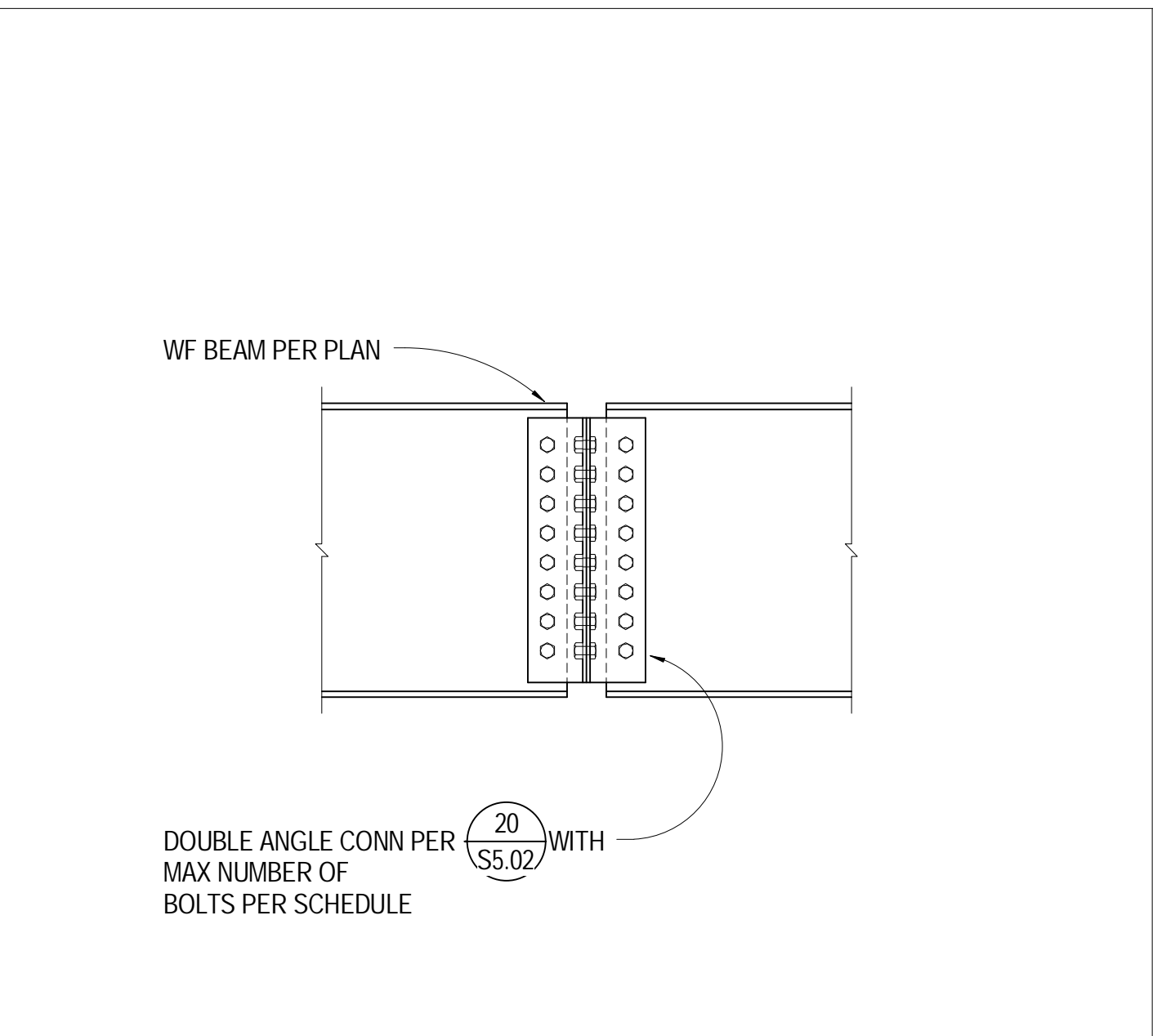
14 3/4" = 1'-0" HIGH WALL AT GRID H



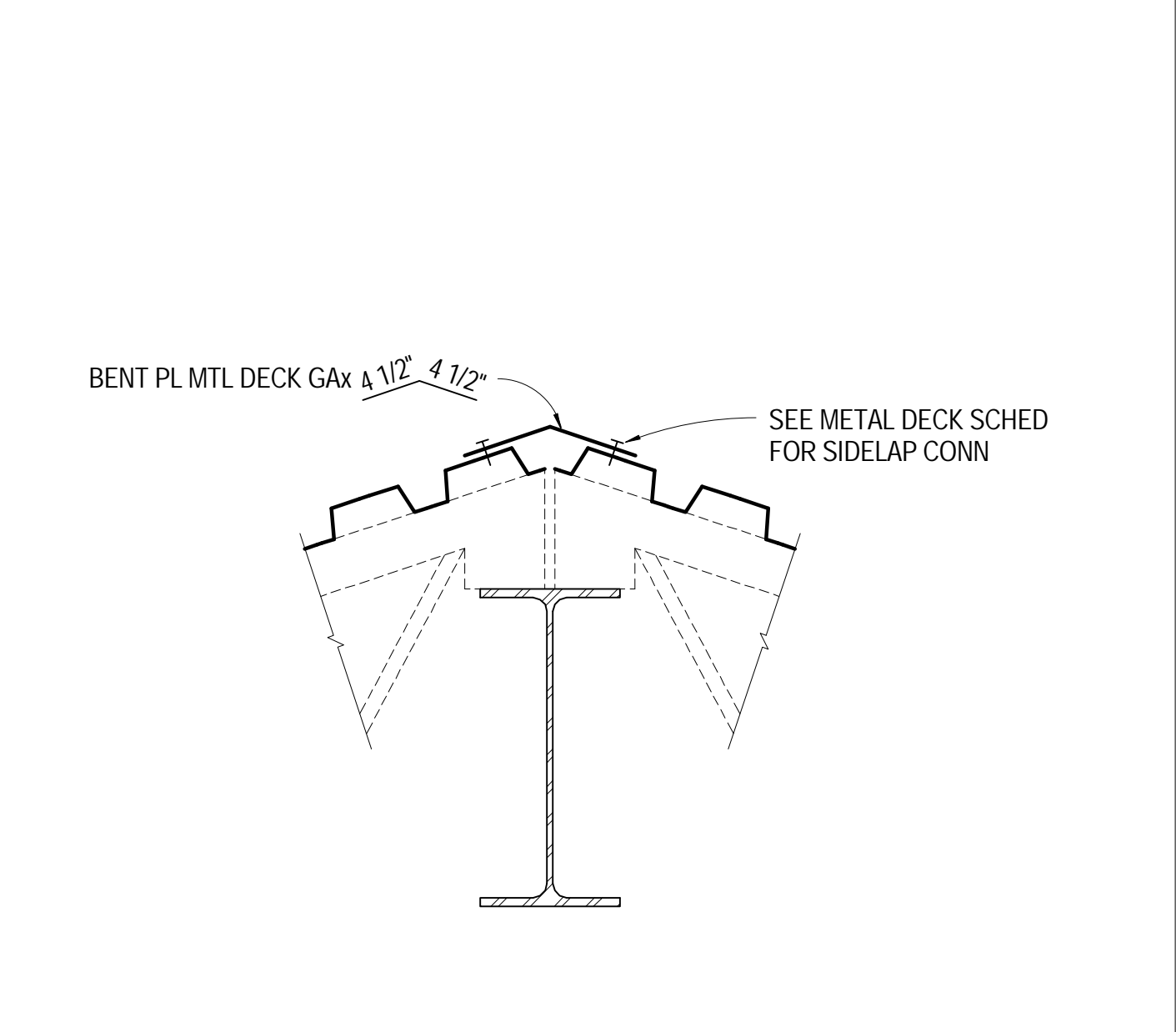
9 3/4" = 1'-0" CMU SCREEN WALL AT GRID 8.4



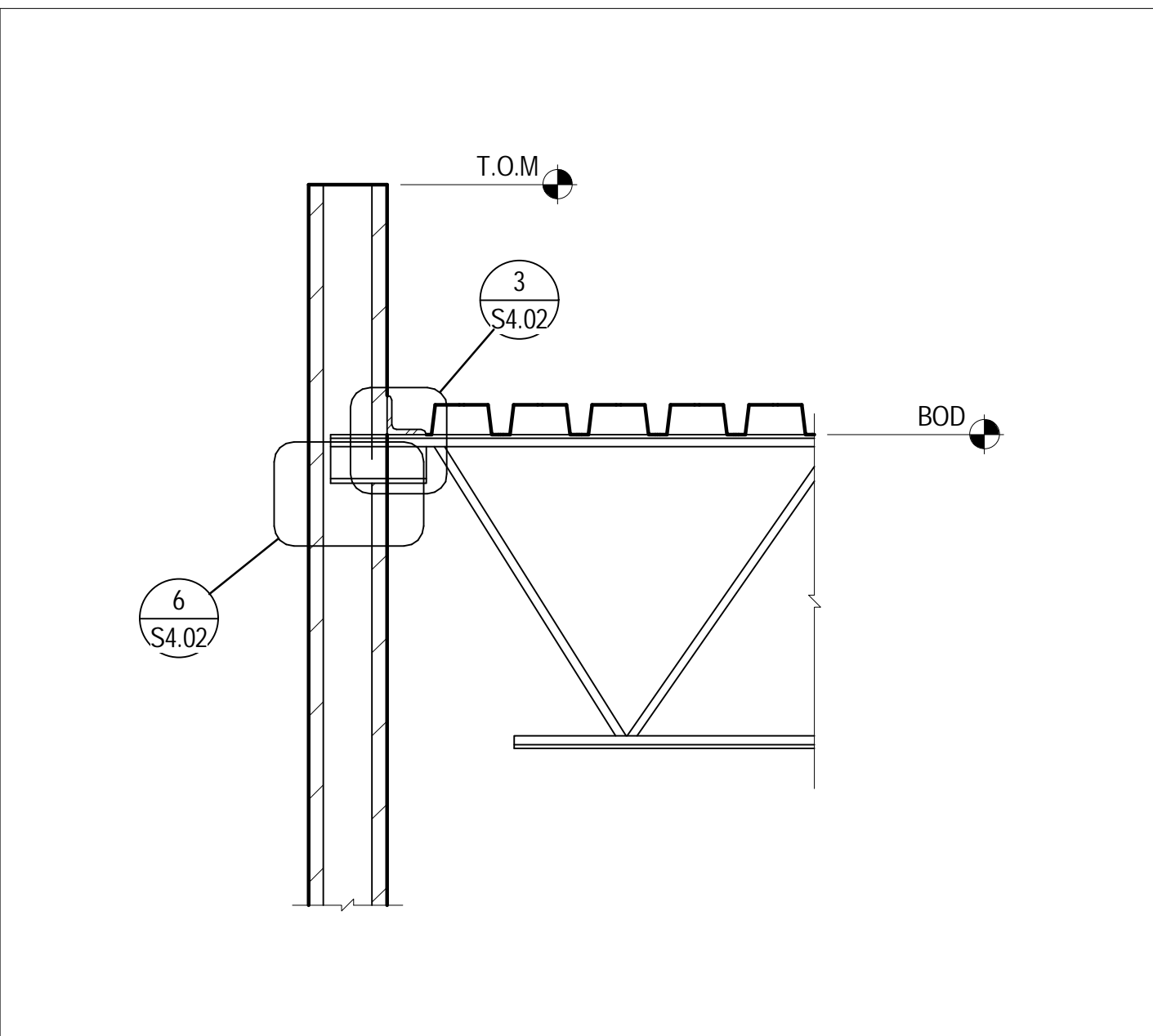
10 NO SCALE TYP METAL DECK ROOF OPENING



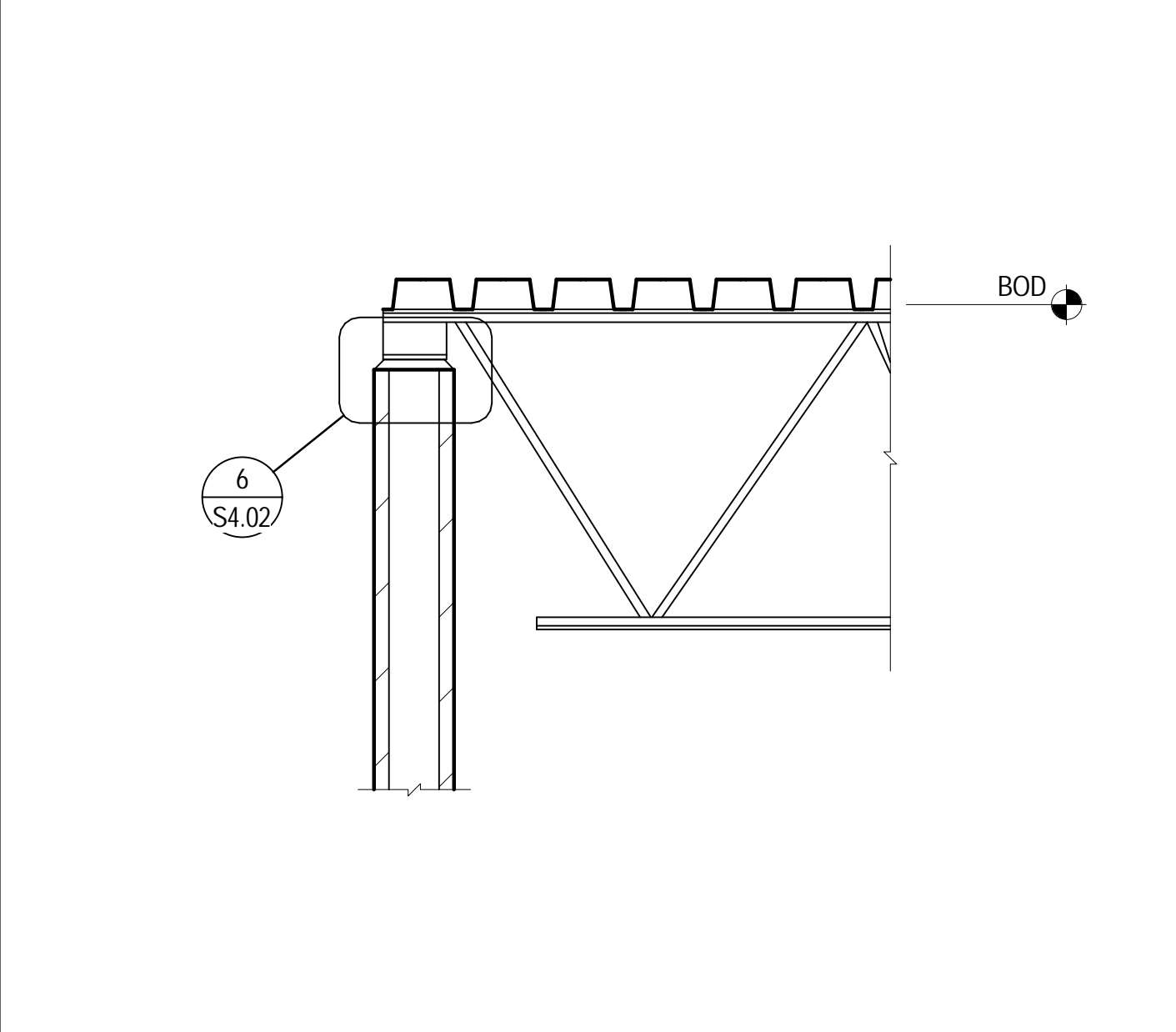
5 3/4" = 1'-0" WF BEAM SHEAR SPLICE



6 1 1/2" = 1'-0" TYP MTL DECK AT JOIST RIDGE



1 3/4" = 1'-0" CMU WALL AT JOIST BEARING



2 3/4" = 1'-0" JOIST BEARING AT TOP OF WALL



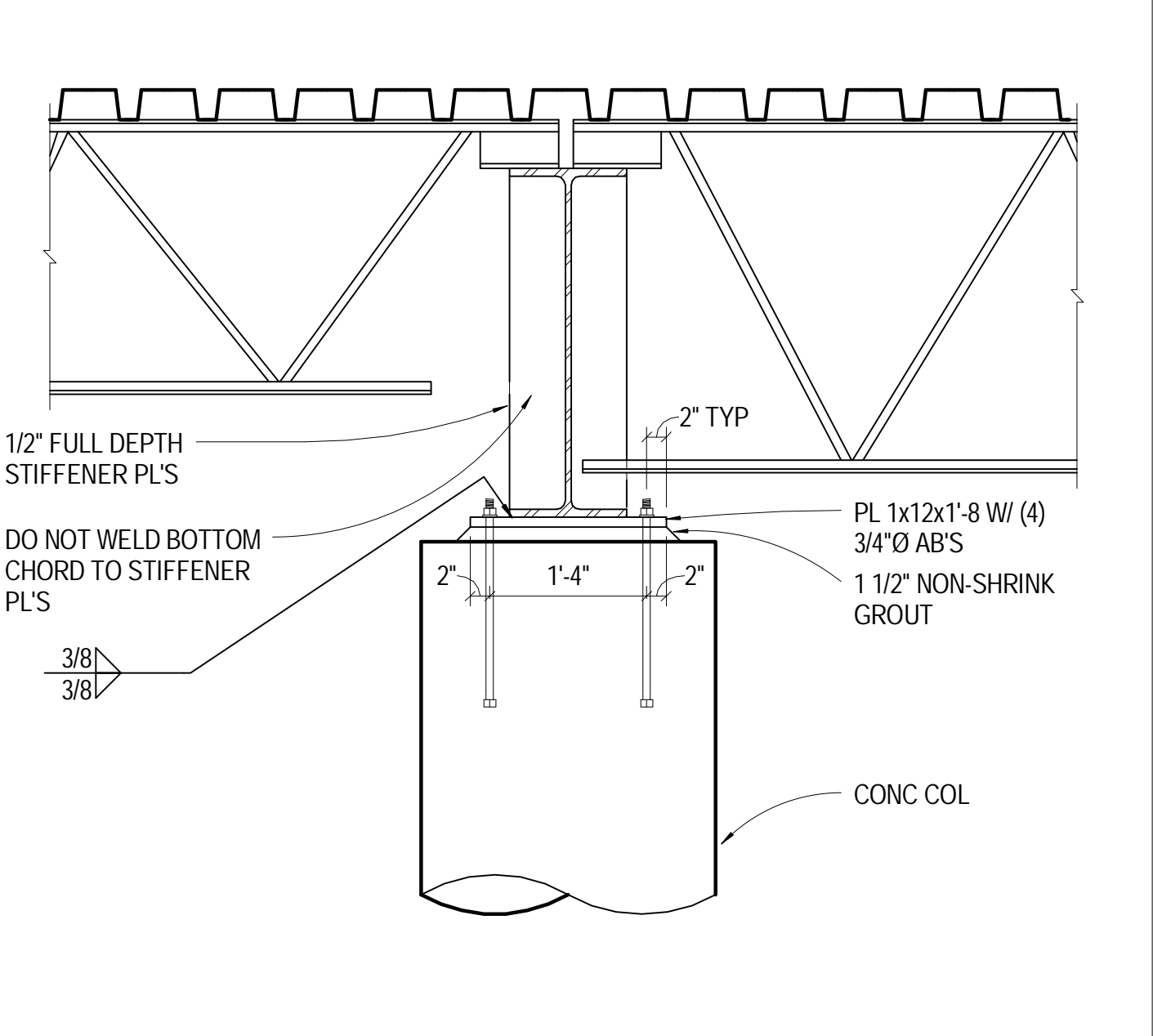
17 3/4" = 1'-0" AWNING AT BUILDING SEPARATION POINT



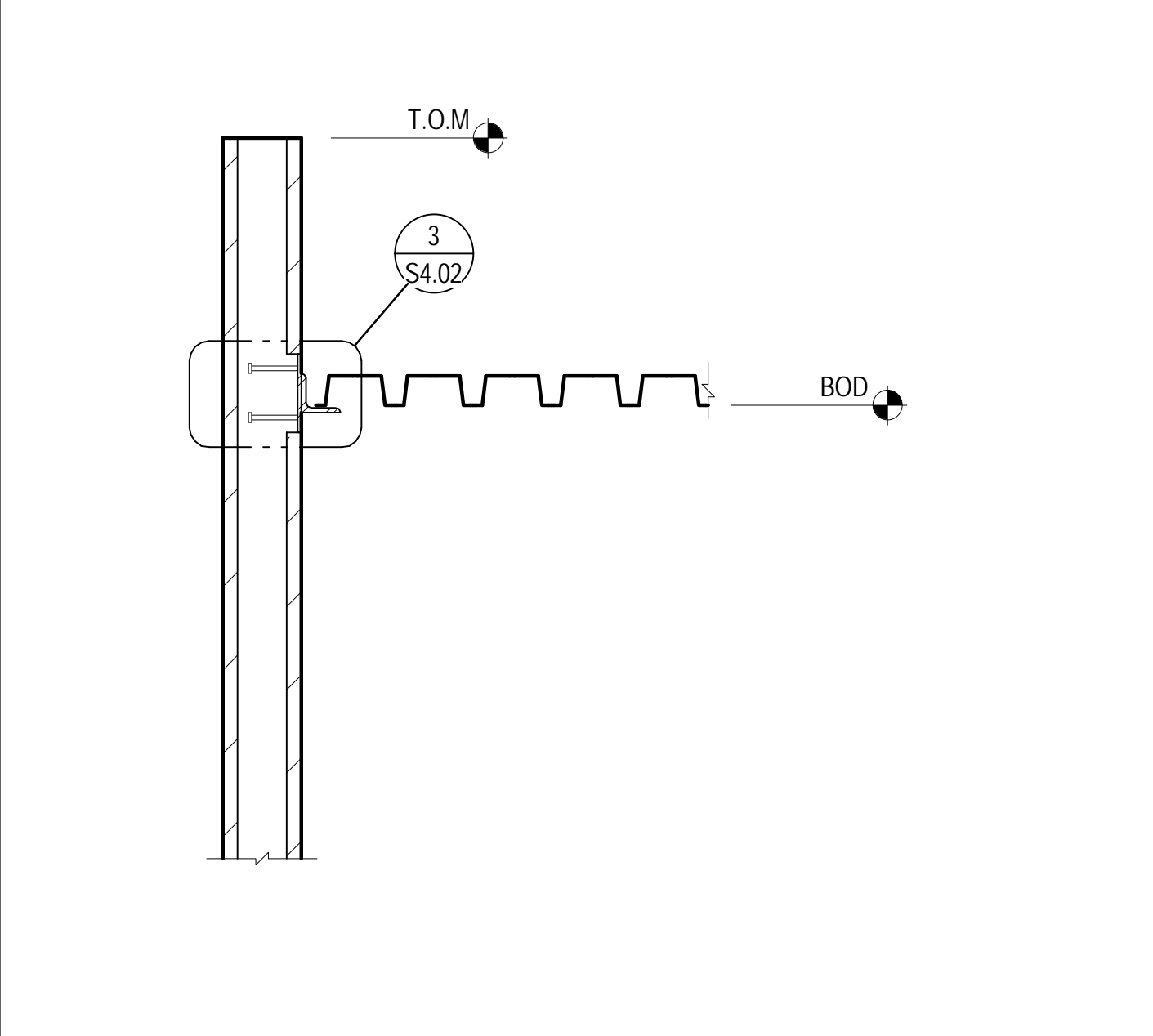
13 3/4" = 1'-0" GYM JOIST BRG AT GRID H



9 3/4" = 1'-0" CMU SCREEN WALL AT GRID 8.4



5 3/4" = 1'-0" WF BEAM AT CONC COL



1 3/4" = 1'-0" CMU WALL AT JOIST BEARING



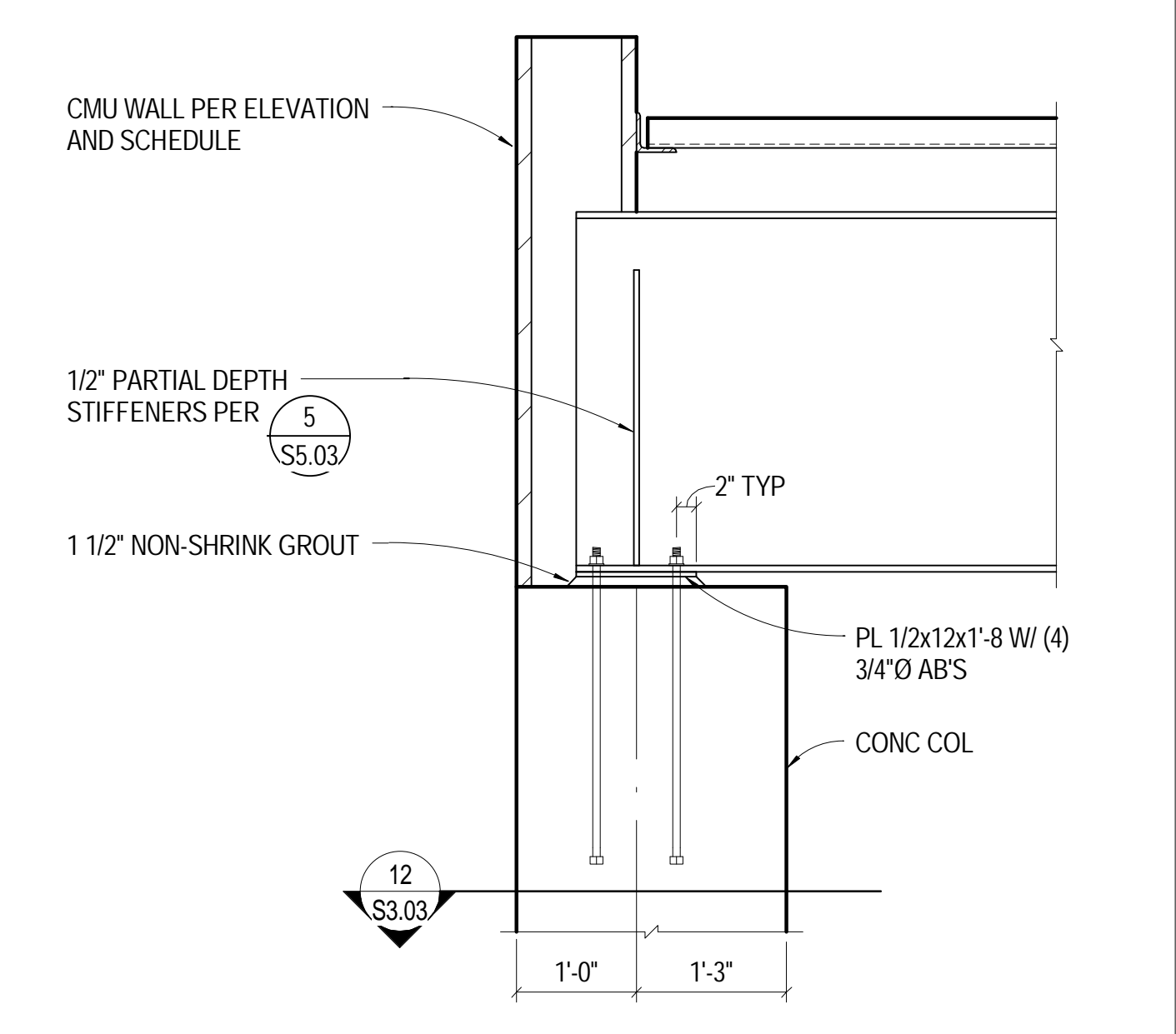
18 3/4" = 1'-0" CANTILEVER AWNING AT BUILDING SEPARATION



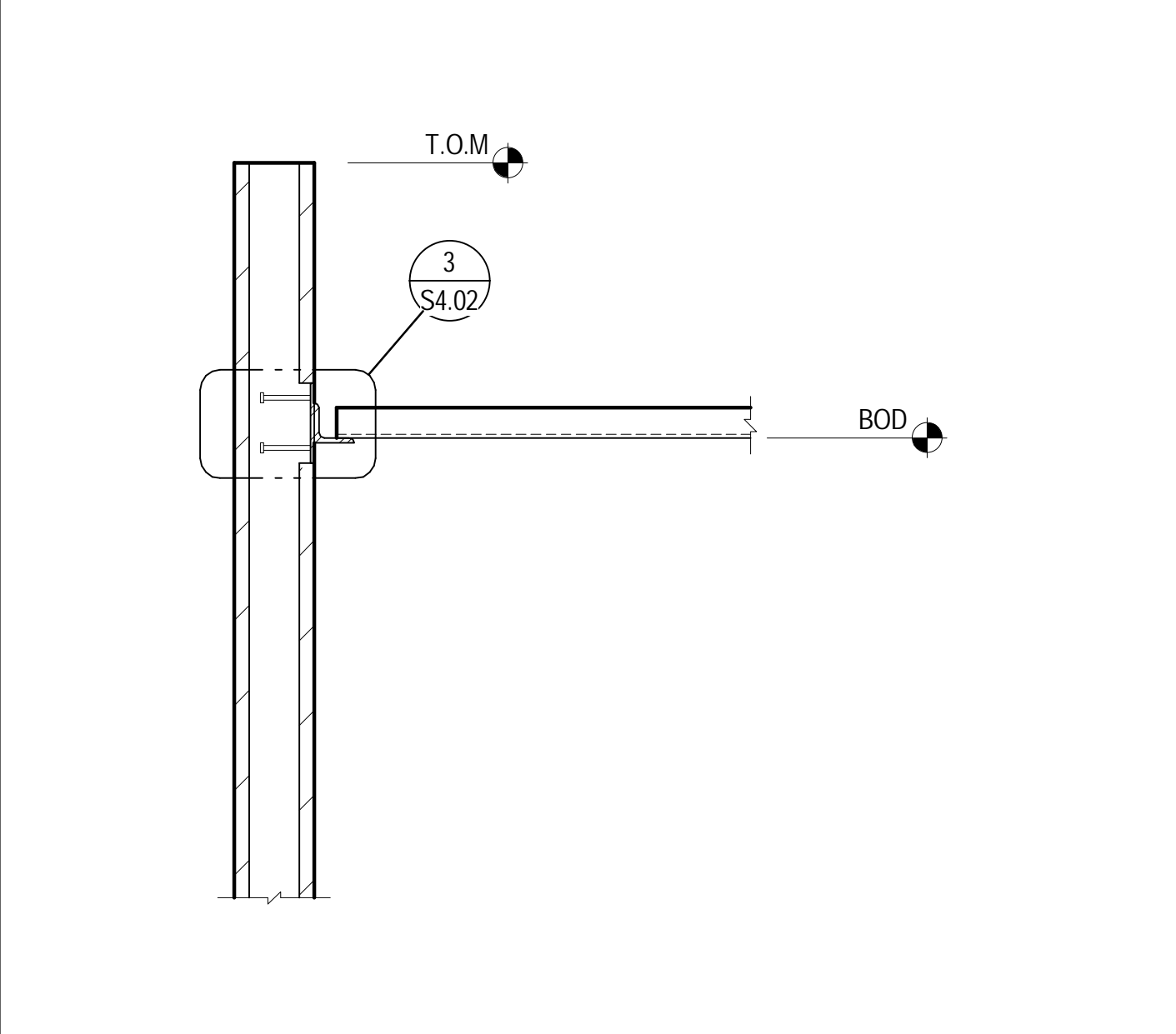
14 3/4" = 1'-0" HIGH WALL AT GRID H



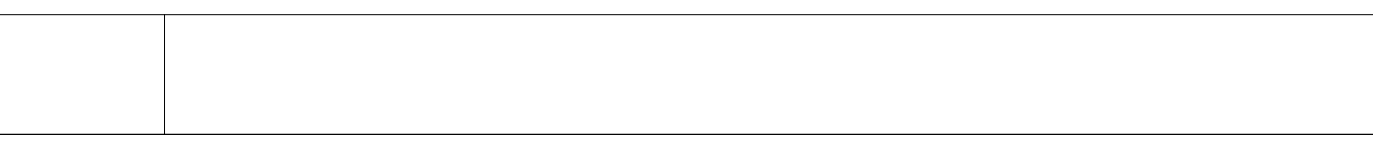
10 NO SCALE TYP METAL DECK ROOF OPENING



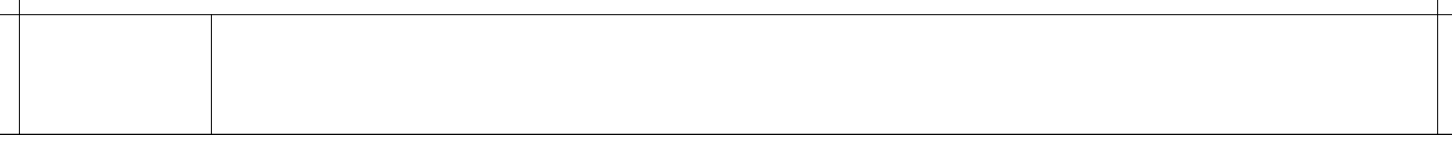
7 3/4" = 1'-0" WF BEAM AT CONC COL



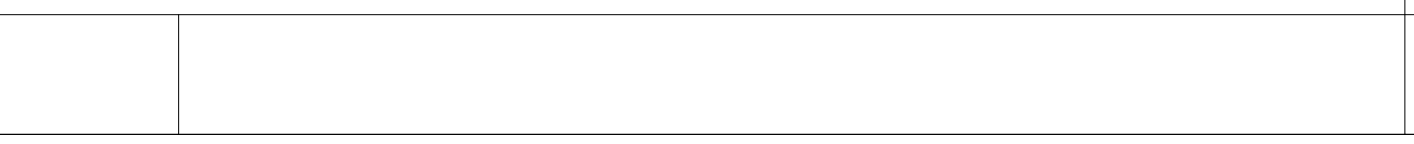
3 3/4" = 1'-0" PERPENDICULAR DECK BEARING AT CMU WALL



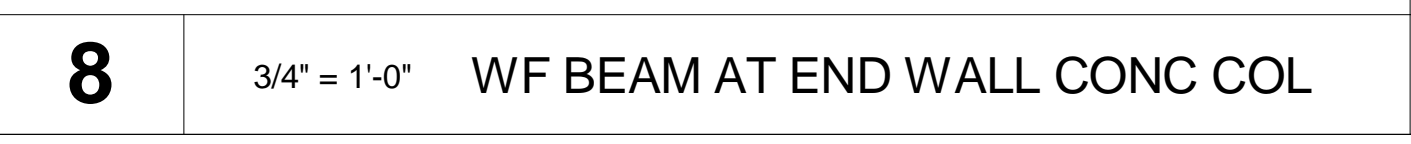
17 3/4" = 1'-0" AWNING AT BUILDING SEPARATION POINT



13 3/4" = 1'-0" GYM JOIST BRG AT GRID H



9 3/4" = 1'-0" CMU SCREEN WALL AT GRID 8.4



5 3/4" = 1'-0" WF BEAM AT END WALL CONC COL



4 3/4" = 1'-0" PARALLEL DECK BEARING AT CMU WALL

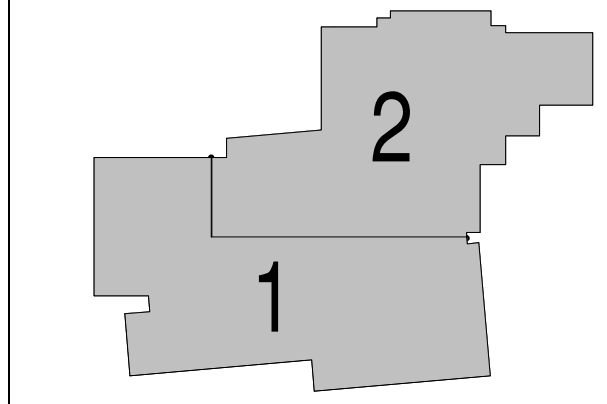
PROFESSIONAL ENGINEER
26118
09-22-09

SINK COMBS DETHLEFS
Copyright for Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.358.0201 FAX: 303.358.0222

HUMPHRIES | POLI ARCHITECTS

MARTIN/MARTIN CONSULTING ENGINEERS
1849 WEST GOLFAX AVENUE
P.O. BOX 105000
LAKEWOOD, COLORADO 80216
303.431.6100 FAX 303.431.6886

KEY PLAN
PROJECT NORTH



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

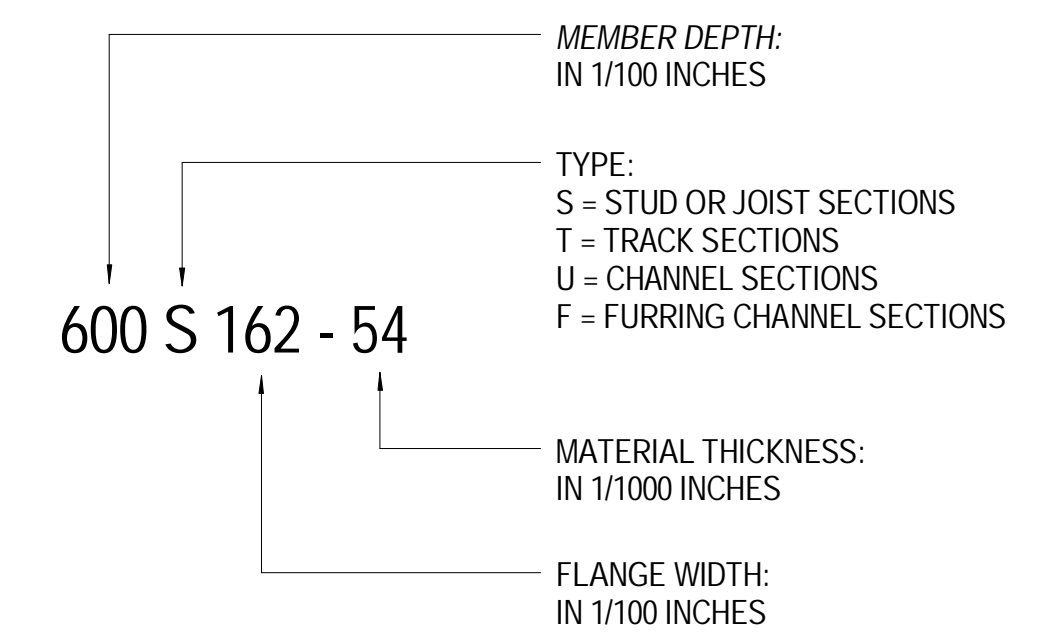
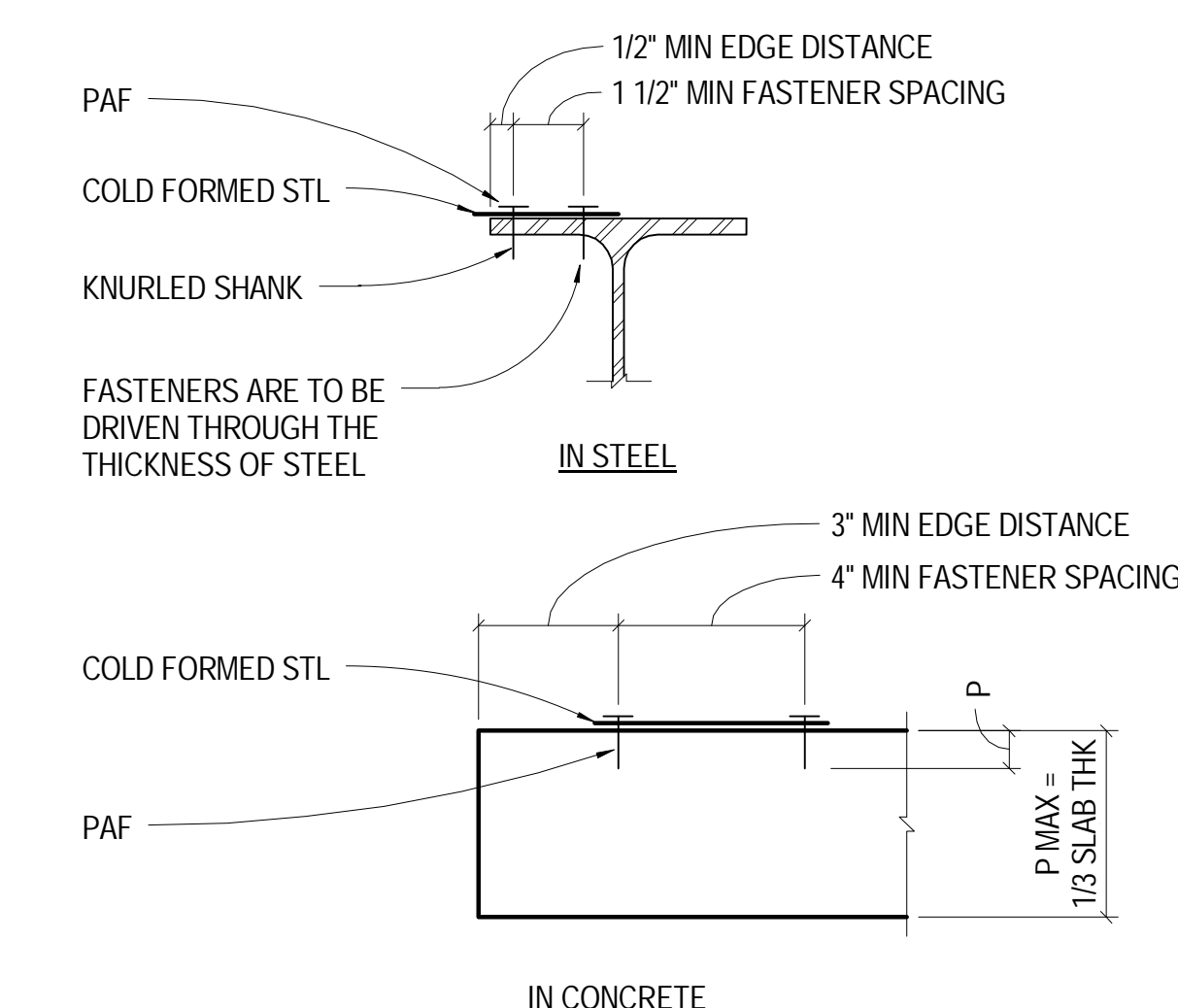
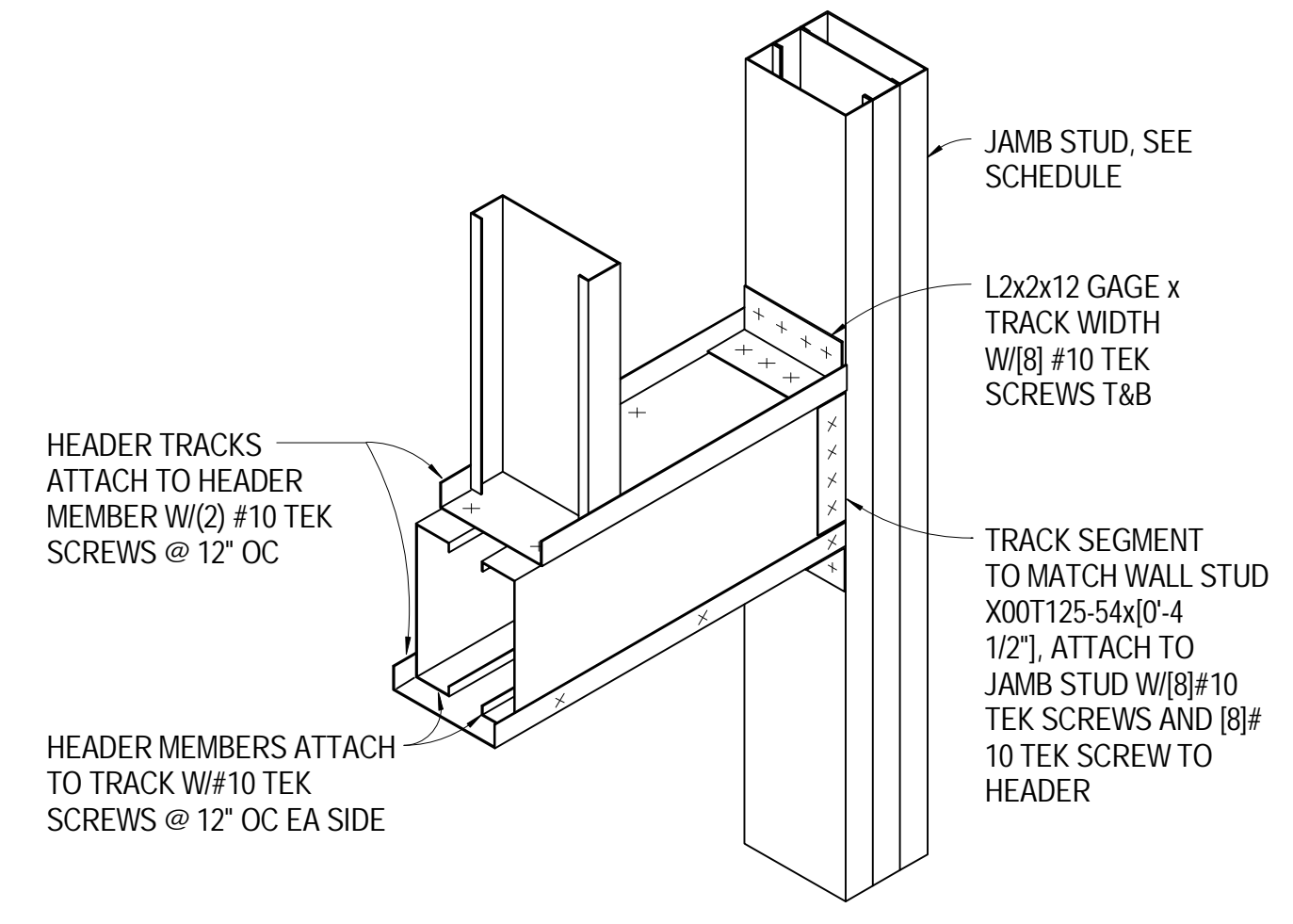
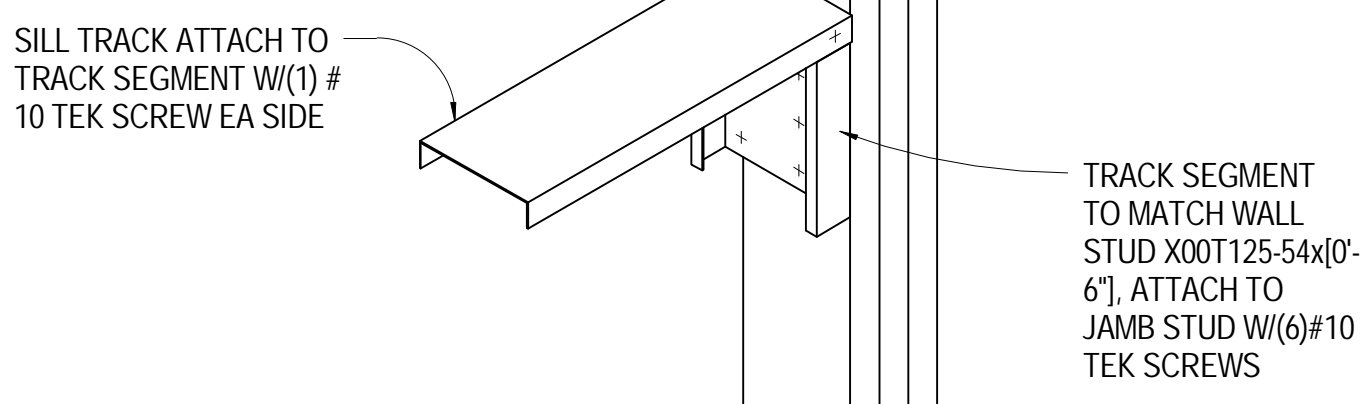
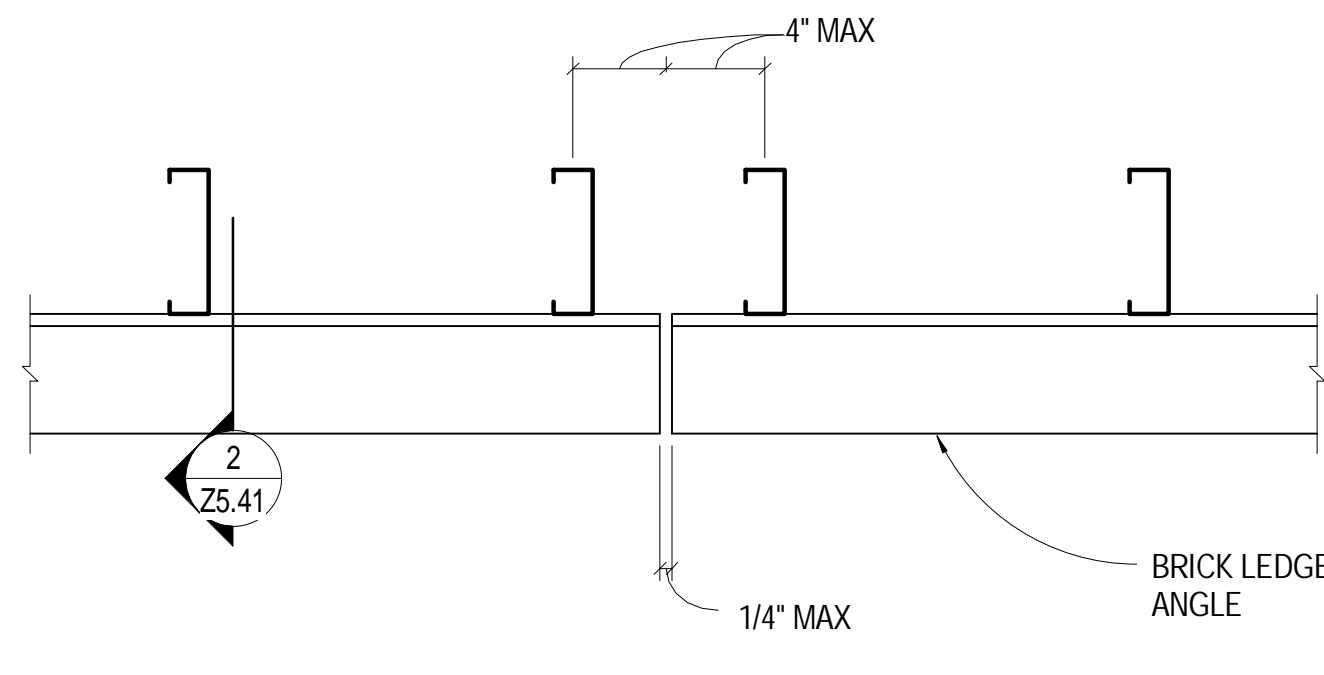
FRUITA COLORADO

M/M Project No.: 21468.S.01

STEEL DETAILS

Drawn By: DE, LB
Checked By: BN, GS

S5.11



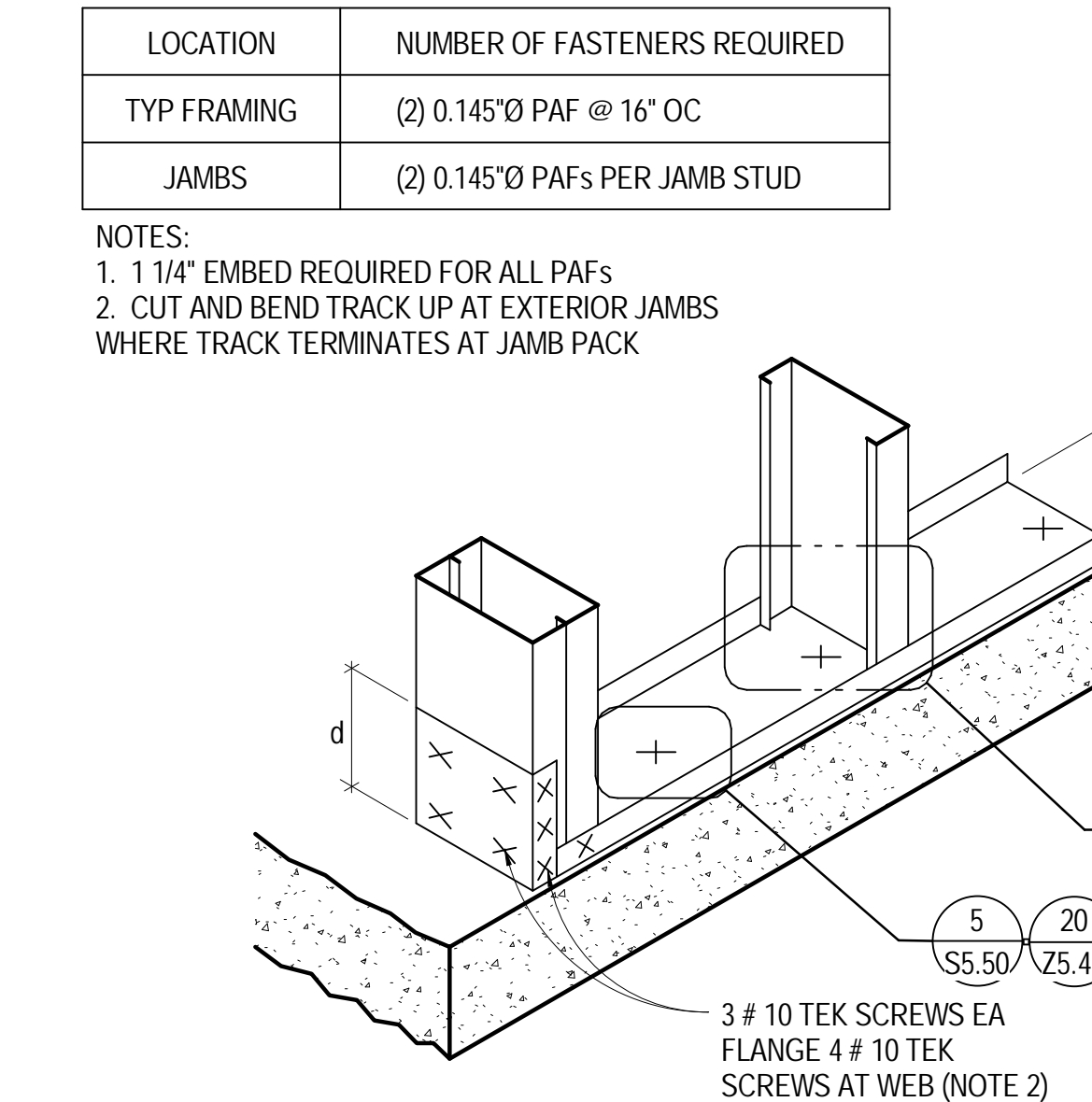
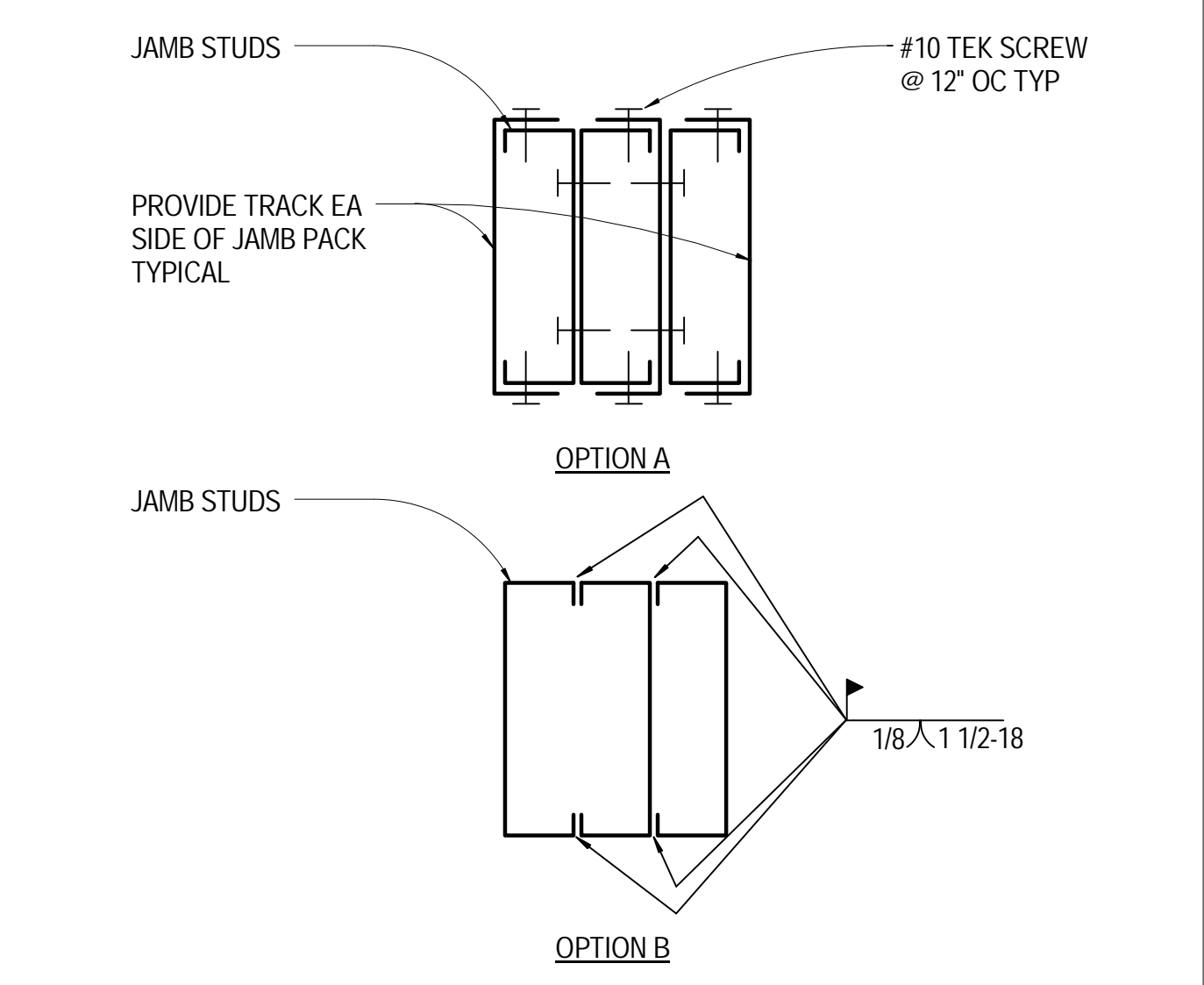
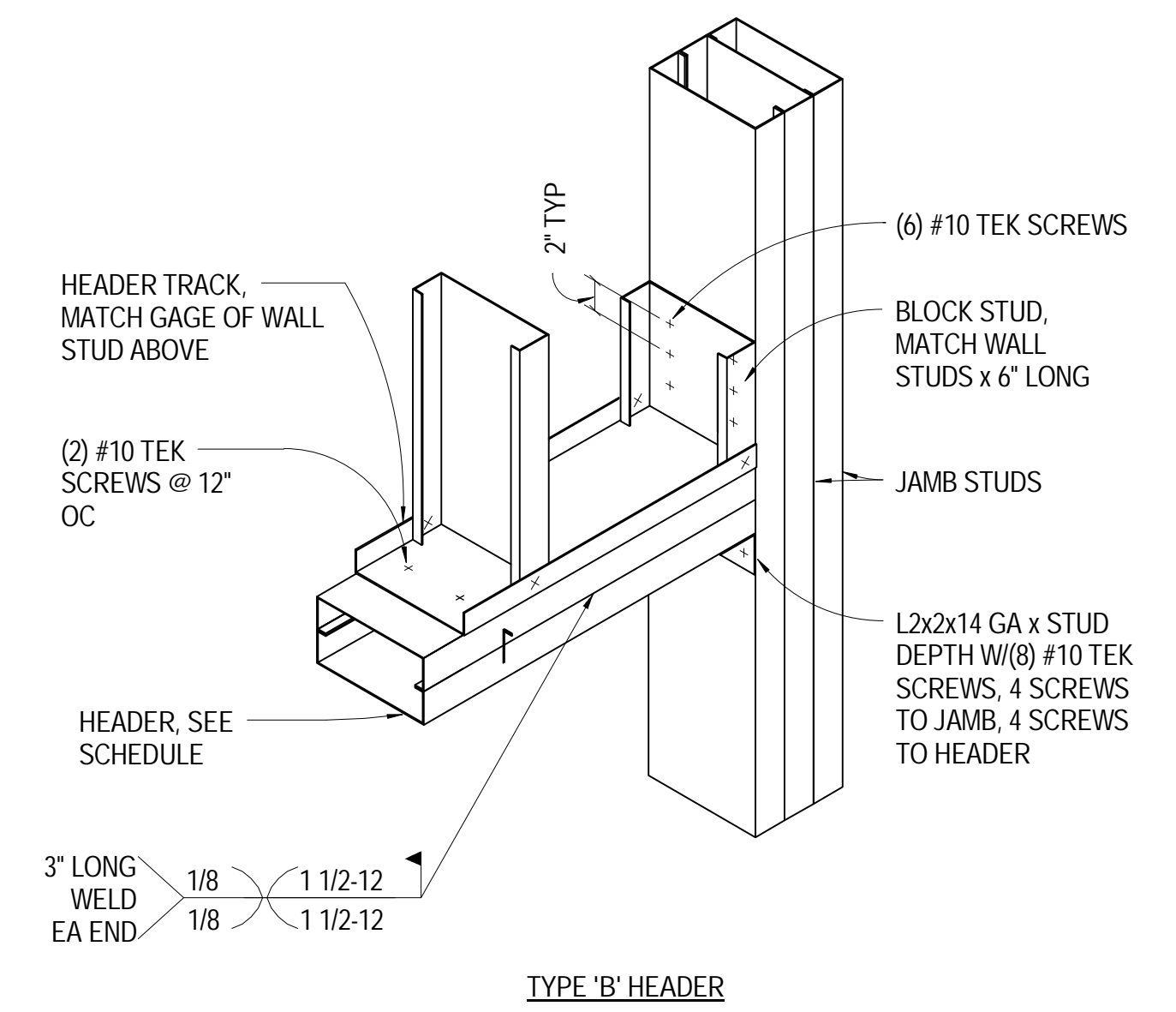
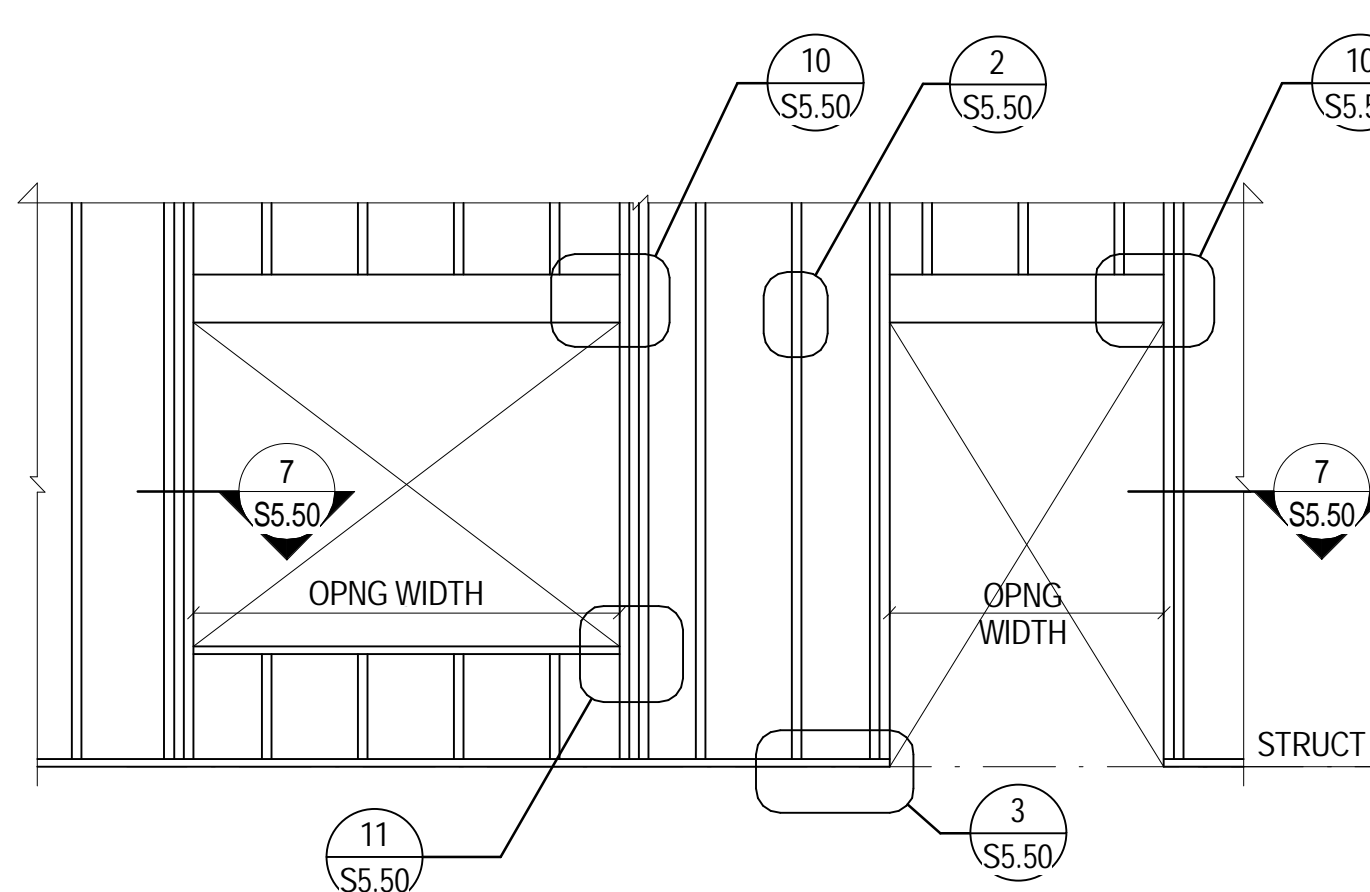
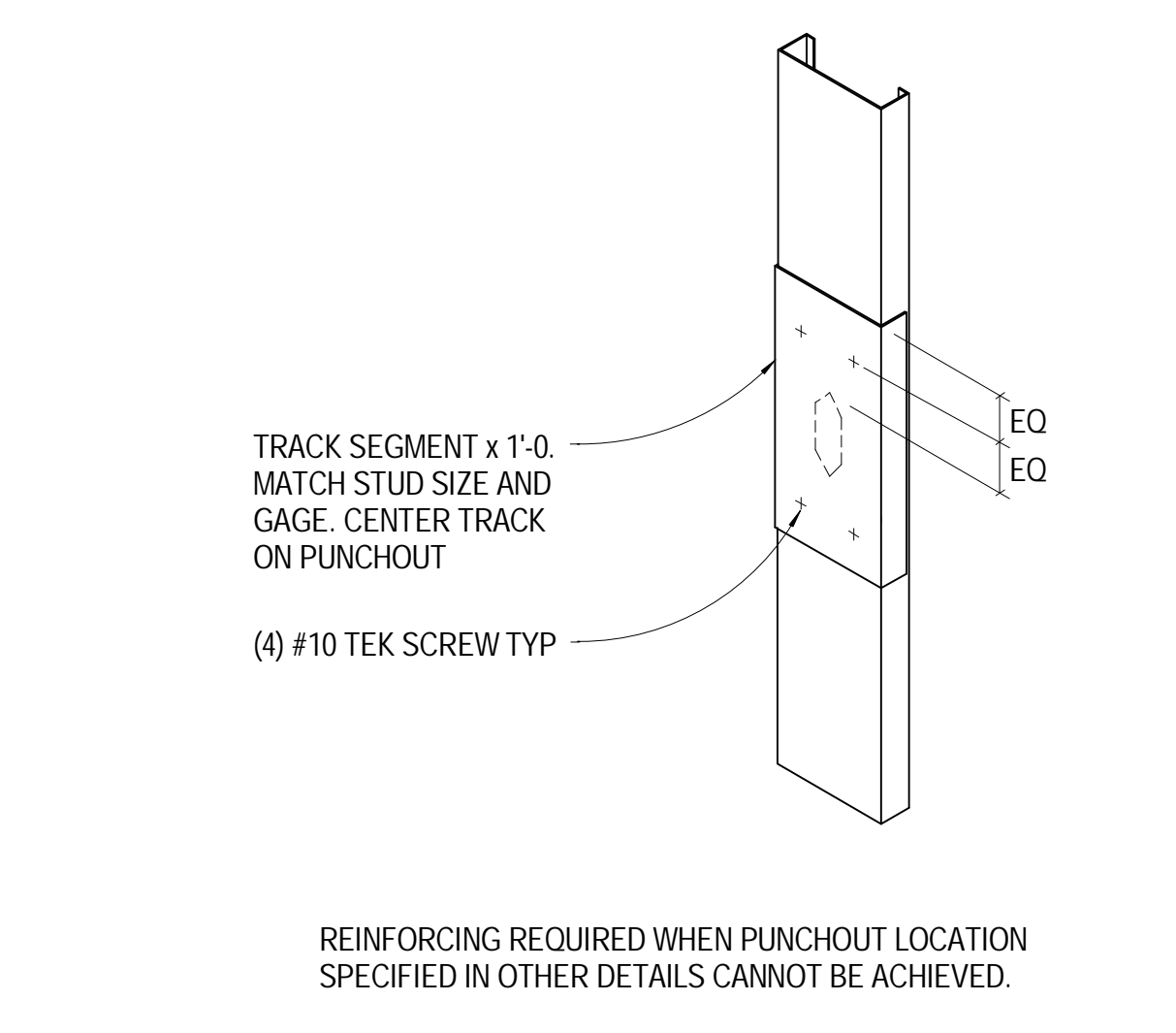
17 NO SCALE TYP CF CONSTRUCTION JOINT FRAMING

11 NO SCALE TYP CF SILL

TYPE 'A' HEADER

5 NO SCALE TYP CF POWDER ACT FASTENER (PAF)

1 NO SCALE TYP CF ANNOTATION



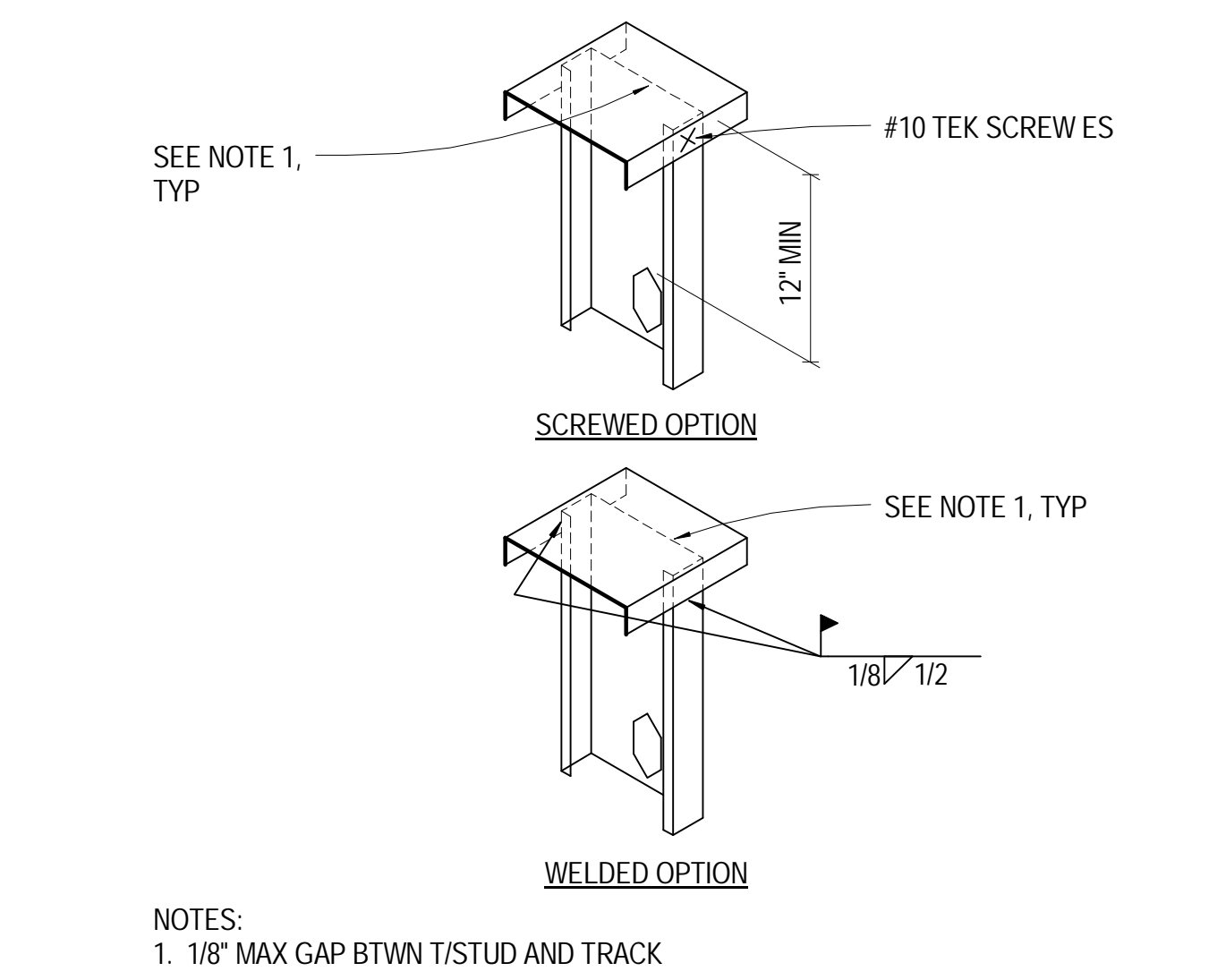
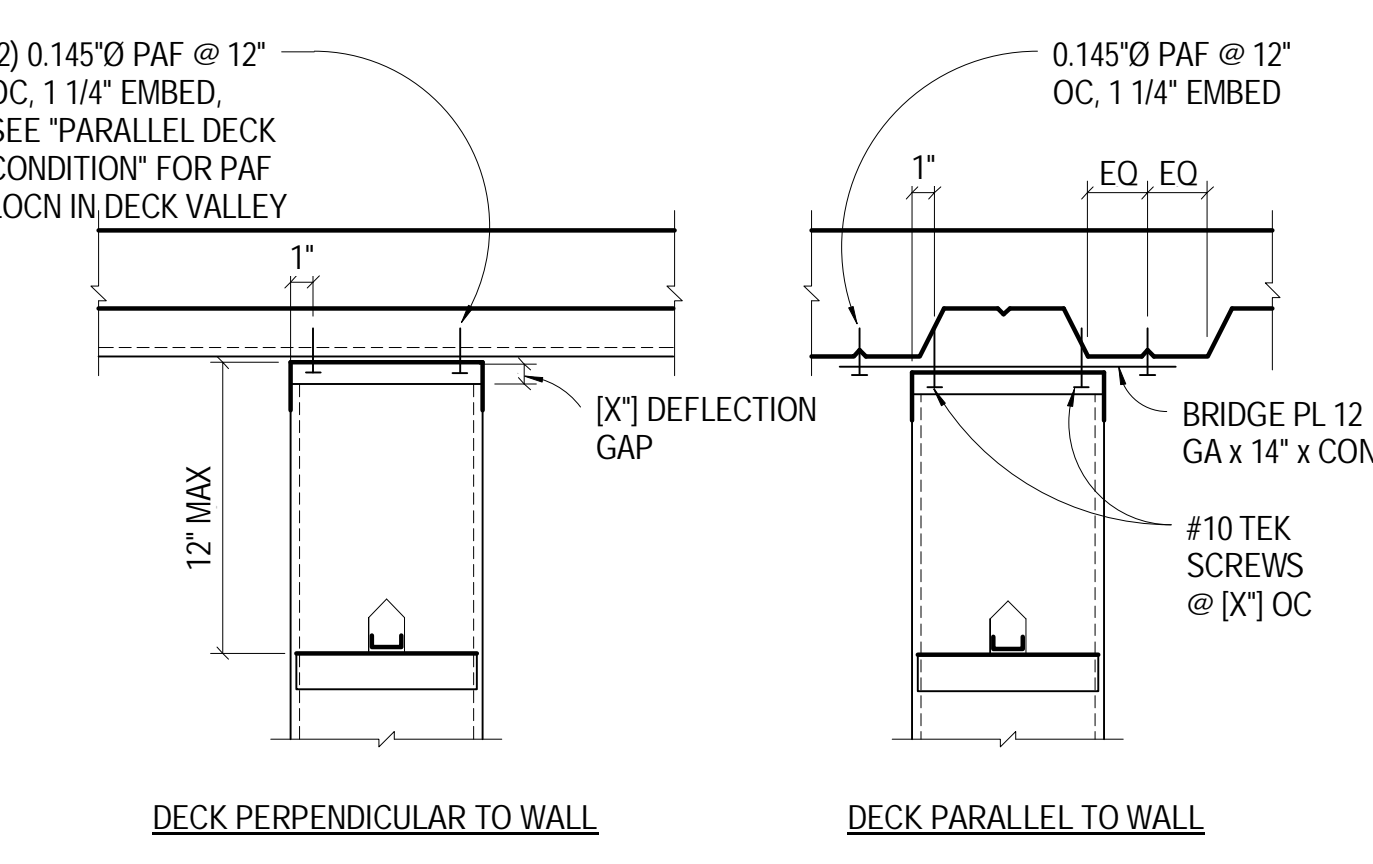
18 NO SCALE TYP CF PUNCHOUT REINFORCING

6 NO SCALE TYP CF OPENING FRAMING

10 NO SCALE TYP CF HEADER

7 NO SCALE TYP CF EXT STUD JAMB

3 NO SCALE TYP CF BOTTOM TRACK TO CONG



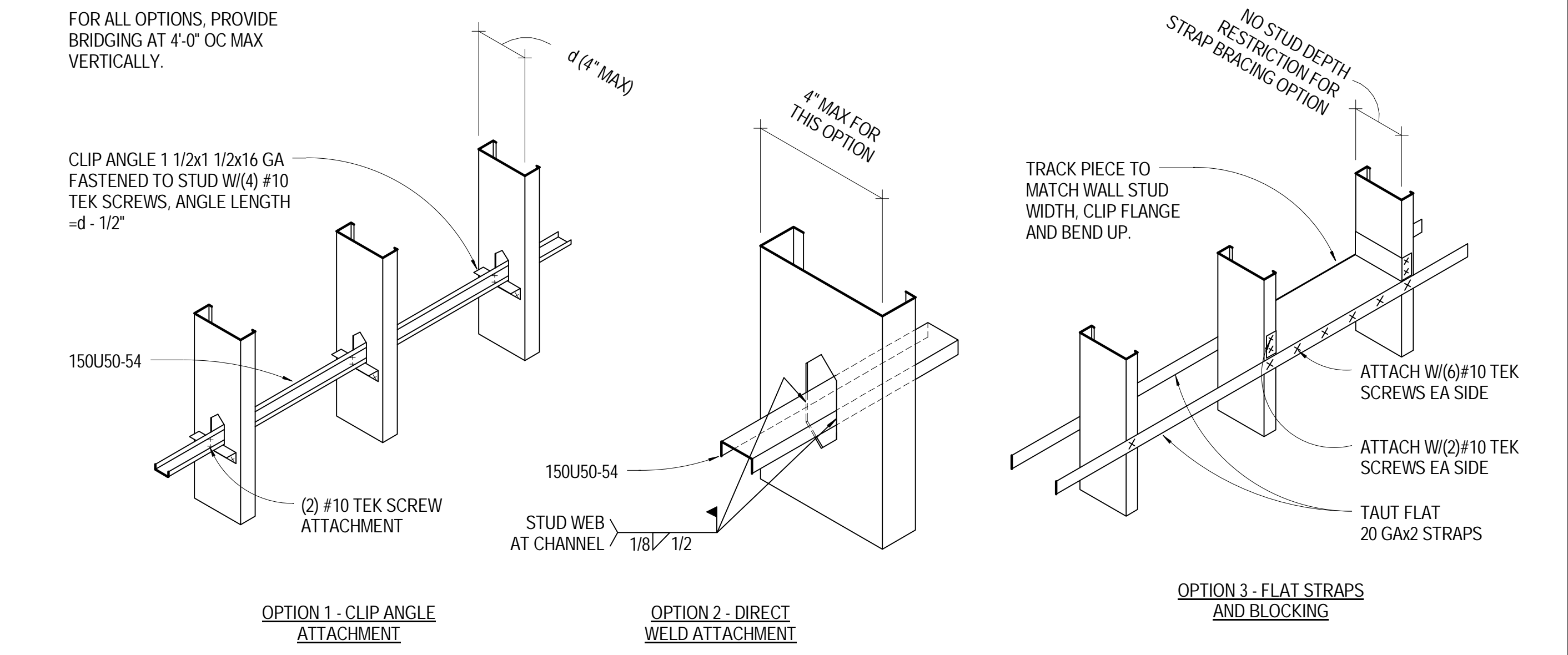
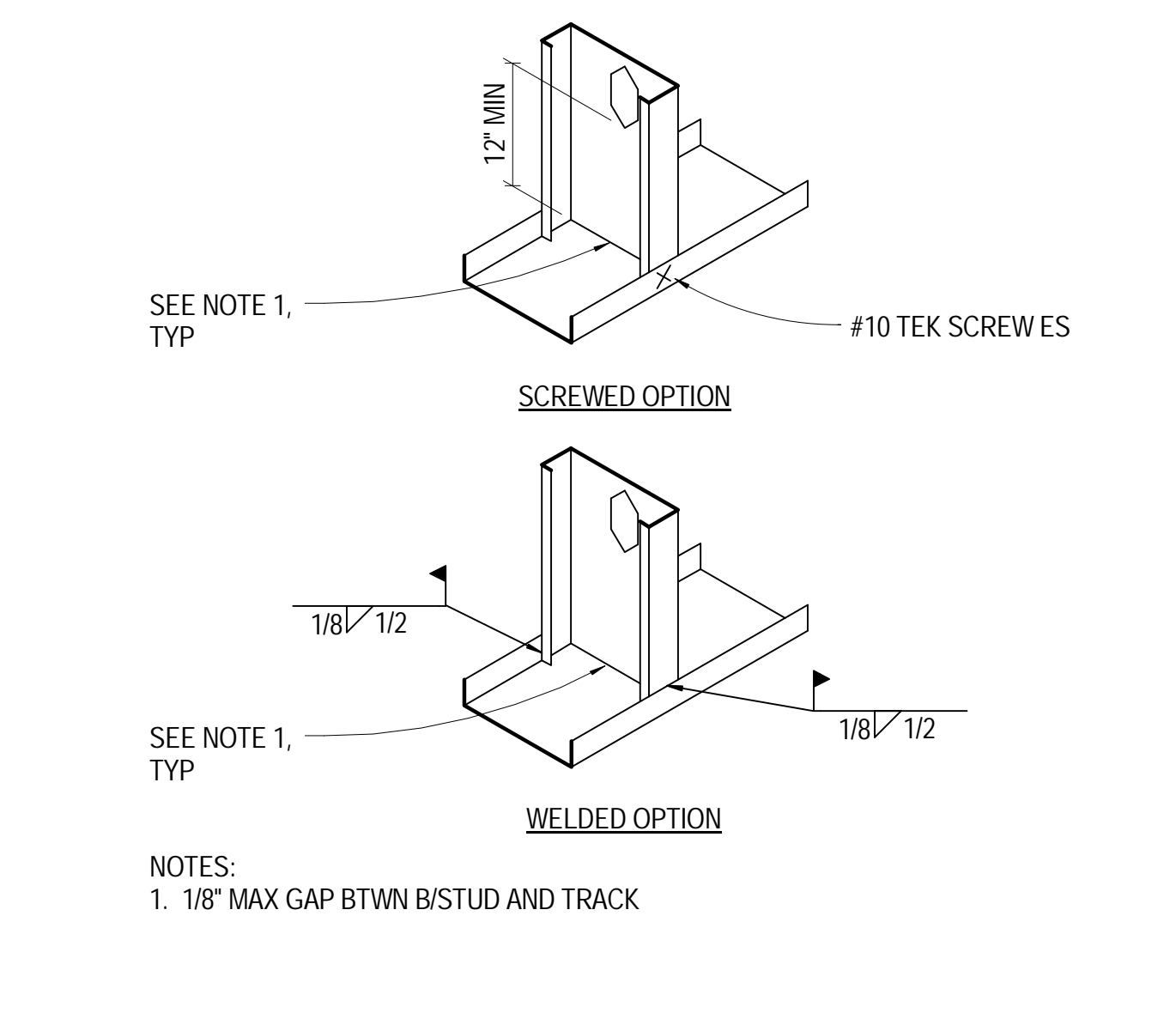
JAMB SCHEDULE				WALL SCHEDULE			HEADER AND SILL SCHEDULE				
OPNG WIDTH	TYPICAL AREAS	CORNER AREAS	TOP CONN TO STRUCTURE PER	HEIGHT	TYPICAL WALL AREAS	WALL CORNERS	OPNG WIDTH	TYPICAL AREAS		CORNER AREAS	
								HEADER	SILL	HEADER	SILL
6'-0" FOR 15'-0" WALL HT	(2) 600S162-43	(2) 600S162-43	1/S5.51	15'-0"	600S162-33 @ 16" OC	600S162-33 @ 12" OC	6'-0"	(2) 600S137-33 AND (2) 600T150-54	600T150-54	(2) 600S137-33 AND (2) 600T150-54	600T150-68
6'-0" FOR 17'-0" WALL HT	(2) 600S162-43	(2) 600S162-54	1/S5.51	17'-0"	600S162-33 @ 16" OC	600S162-33 @ 12" OC	6'-0"	(2) 600S137-33 AND (2) 600T150-54	600T150-68	(2) 600S137-33 AND (2) 600T150-54	600T150-68
--	--	--	1/S5.51	20'-0"	1200S162-68 @ 16" OC	1200S162-68 @ 12" OC	--	--	--	--	--

NOTES:
1. CORNER AREA DEFINED AS 22'-0" PAST EXTERIOR CONER IN EACH DIRECTION.
2. TYPICAL ATTACHMENT TO STRUCTURE PER 3/S5.50 AND 5/S5.51.

19 NO SCALE TYP CF DEFL TRACK AT MTL DECK SLAB

15 NO SCALE TYP CF STUD TO TOP TRACK

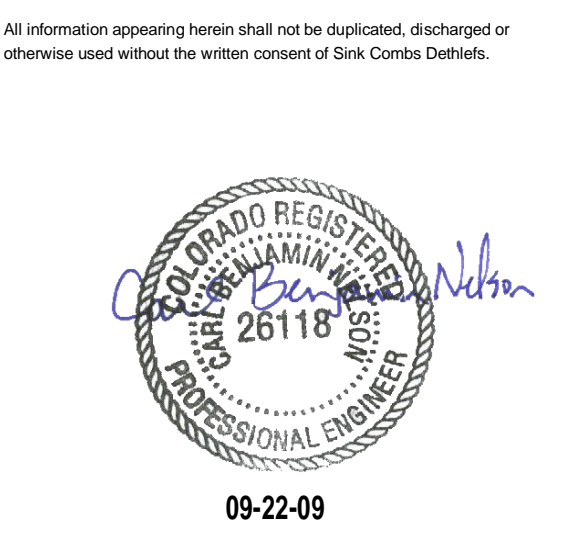
2 NO SCALE TYP CF WALL, HEADER, AND SILL SCHEDULE



16 NO SCALE TYP CF STUD TO BOTTOM TRACK

12 NO SCALE TYP CF WALL BRIDGING

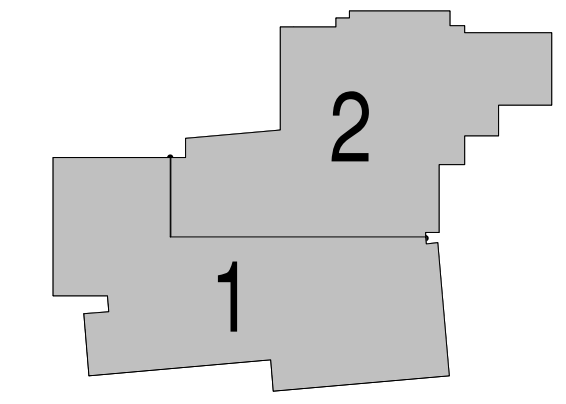
4 NO SCALE TYP CF TEK SCREW SPACING DETAIL



SINK COMBS DETHLEFS
Copyright © Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.368.0201 FAX 303.368.0222



KEY PLAN
PROJECT NORTH



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

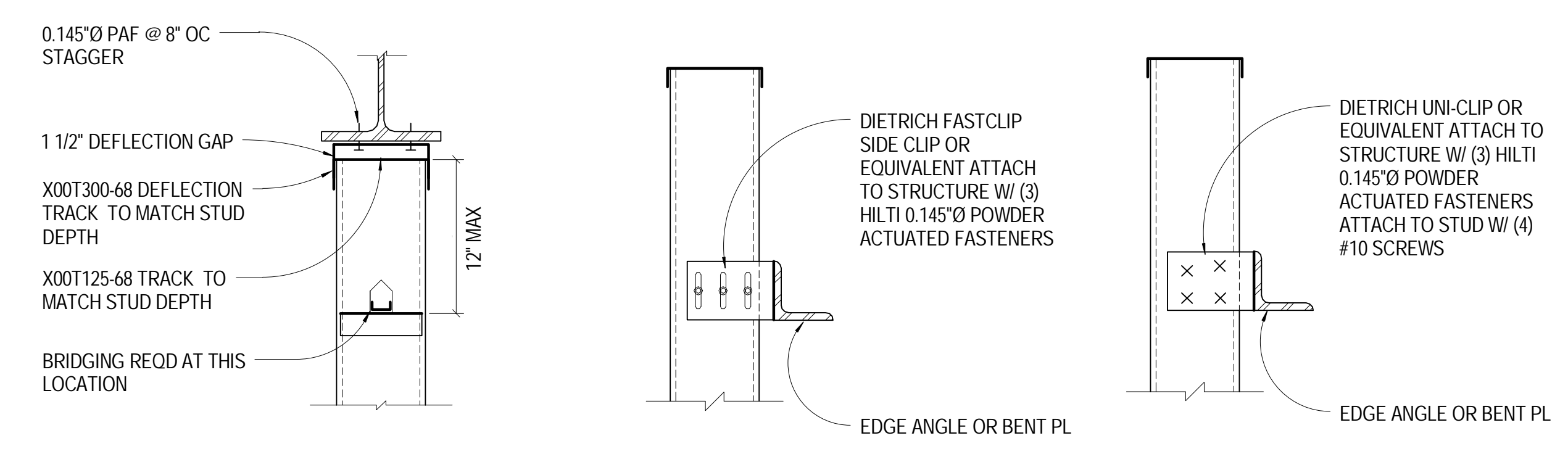
FRUITA COLORADO

M/M Project No.: 21468.S.01

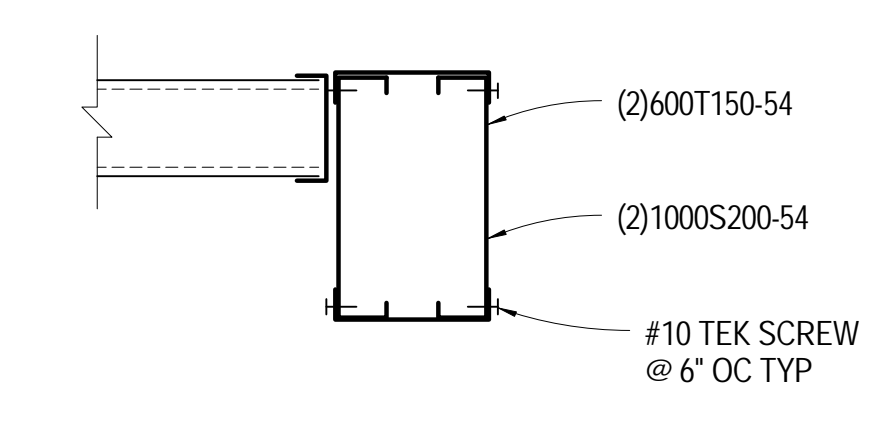
METAL STUD DETAILS

Drawn By: DE, LB
Checked By: BN, GS

S5.50



5 NO SCALE STUD CONNECTION TO STRUCTURE



2 1 1/2" = 1'-0" LONG INTERIOR HEADER AT LIBRARY

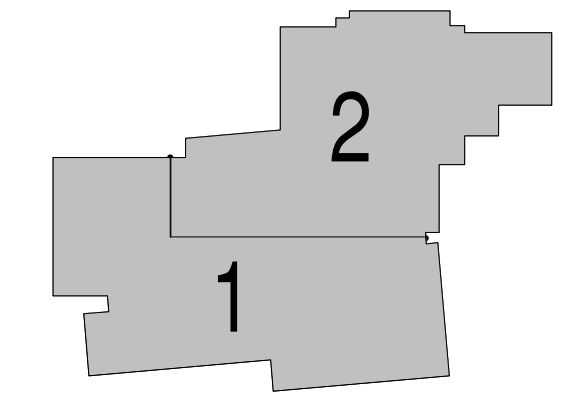
All information appearing herein shall not be duplicated, distributed or otherwise used without the written consent of Sink Combs Dethlefs.



SINK COMBS DETHLEFS
Copyright © Sink Combs Dethlefs, P.C.
475 Lincoln Street, Suite 100, Denver, Colorado 80203
303.398.0201
303.398.0202
FAX 303.398.0222



KEY PLAN



Issues/Revisions	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD'S	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

FRUITA COMMUNITY CENTER & MESA COUNTY LIBRARIES / FRUITA BRANCH

FRUITA COLORADO

M/M Project No.: 21468.S.01

METAL STUD DETAILS

Drawn By: DE, LB
Checked By: BN, GS

S5.51