

ISSUED FOR PERMIT

DATE: 05/20/2022

STRUCTURAL DRAWING LIST

SHEET LIST	
SHEET NO	SHEET NAME
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S-003	LOADING DIAGRAMS
S-004	GENERAL LAP SPlice SCHEDULES
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S-101	ROOF PLAN
S-150	PART PLANS
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S-201	TYPICAL SLAB ON GRADE DETAILS
S-202	TYPICAL FOUNDATION WALL DETAILS
S-210	FOUNDATION SECTIONS AND DETAILS
S-300	SHEAR WALL LOADS AND DETAILS
S-301	SHEAR WALL DETAILS
S-500	TYPICAL COLUMN BASE DETAILS
S-501	TYPICAL BEAM DETAILS
S-502	TYPICAL SUPERSTRUCTURE DETAILS
S-503	TYPICAL JOIST DETAILS
S-510	TYPICAL STEEL BEAM SHEAR CONNECTIONS 3/4" DIAMETER BOLTS
S-511	TYPICAL STEEL BEAM SHEAR CONNECTIONS 3/4" DIAMETER BOLTS
S-512	TYPICAL STEEL BEAM SHEAR CONNECTIONS 3/4" DIAMETER BOLTS
S-520	SCREEN WALL SECTIONS AND DETAILS
S-600	LGMF BEARING WALL DETAILS
S-601	LGMF BEARING WALL DETAILS II
S-602	LGMF BEARING WALL DETAILS III

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

REGENERON
REAL ESTATE &
FACILITIES MANAGEMENT

777 Old Saw Mill River Road
Tarrytown, NY 10591-6707
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Building #17
Campus Expansion Child
Day-care Center

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

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Structural Engineer

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MEP / IT / Security Engineer

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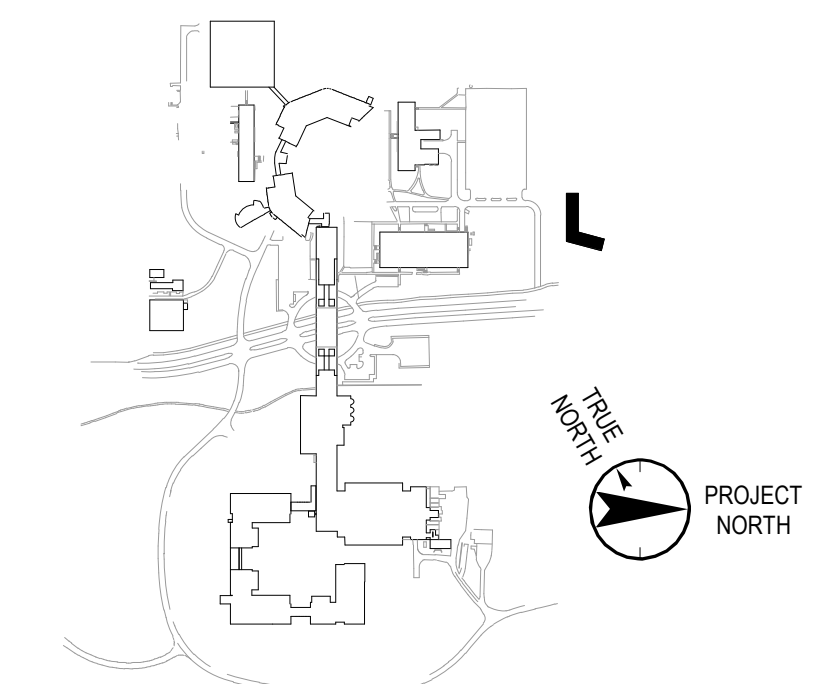
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Key Plan

[illegible]

Plot Date: 11/10/21

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Vendor Project No.: 006.3608.000
Discipline: _____ Drawn By: Author
**COVER SHEET & DRAWING
LIST**

Scale: _____ Floor: _____

S-000

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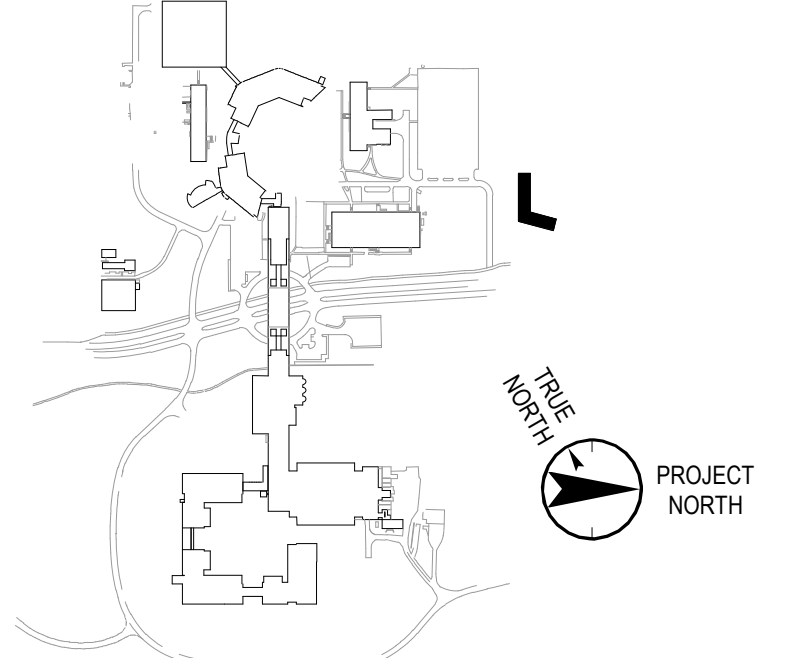
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Key Plan



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Discipline: Drawn By: Author
LOADING DIAGRAMS

Scale: As indicated Floor:

S-003

EFFECTIVE AREA (FT ²)	AREA 1' (PSF)	AREA 1 (PSF)	AREA 2 (PSF)	AREA 3 (PSF)
10	+16/-32	+16/-56	+16/-74	+16/-101
20	+16/-27.1	+16/-52	+16/-69	+16/-91
50	+16/-32	+16/-48	+16/-63	+16/-79
100	+16/-32	+16/-44	+16/-58	+16/-69
500	+16/-22	+16/-35	+16/-47	+16/-47

TABLE 1 NOTES:

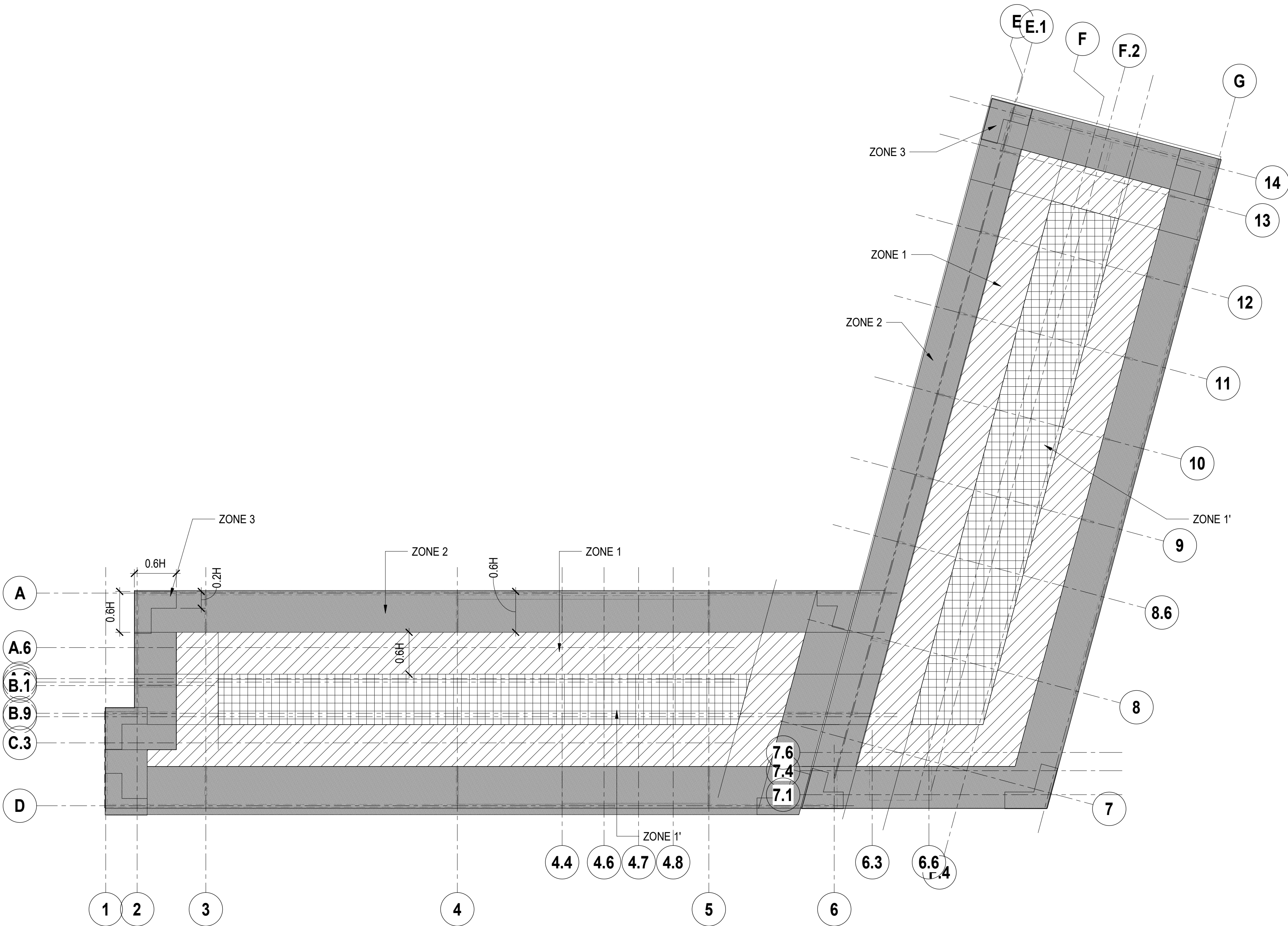
- (-) NEGATIVE PRESSURE ACT OUTWARD FROM BUILDING
- (+) POSITIVE PRESSURES ACT INWARD TOWARD THE BUILDING
- THESE PRESSURES REPRESENT THE EFFECTS OF THE WIND ON THE TOP SURFACES OF THE ROOFS.
- THE VALUES SHOWN MAY BE USED TO ASSESS PRESSURES FOR:
 - ROOFING ASSEMBLIES
 - STRUCTURAL STEEL FRAMING
 - OPEN-WEB JOISTS
- PORTIONS OF THE LIGHT GAUGE TRUSSES THAT DO NOT HAVE A BOTTOM CHORD EXPOSURE.

WIND PRESSURE SCHEDULE

SCALE: 12" = 1'-0"

WIND PRESSURE DIAGRAM - ROOF

SCALE: 1/16" = 1'-0"



PLAN NOTES:

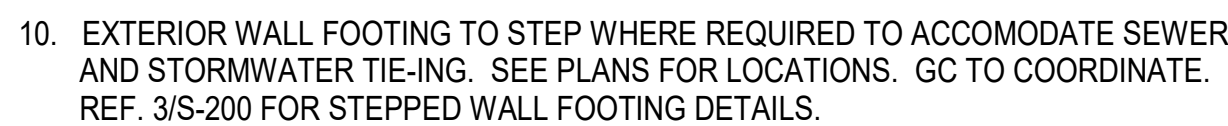
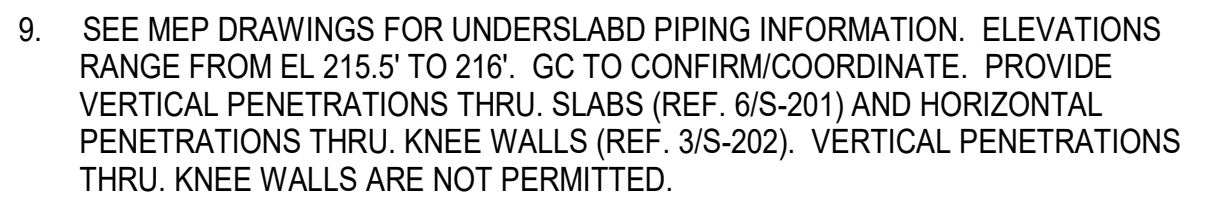
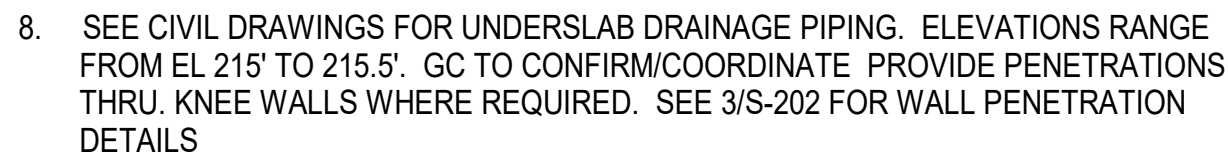
- DIMENSIONS SHOWN ON PLAN ARE TYPICAL.
H = BUILDING HEIGHT
- REFER TO GENERAL NOTE CD-6, S-001 FOR WALL PRESSURES
- FOR GRAVITY LOADING AT ROOF SEE CD-002, CD-003, CD-005, S-001

1. SEE GENERAL NOTES FOR CONCRETE COMPRESSIVE STRENGTH
2. T/FOOTING = EL. -2'-6" BELOW FF ELEVATION. U/I ON
3. TOP OF SLAB EL +217'-3" U/I ON THIS:
 X - INDICATES CHANGE IN STRUCTURAL SLAB ELEVATION
4. SLAB TO BE 6" THICK NORMALWEIGHT CONCRETE SLAB ON GRADE, U/I ON REINFORCED WITH W16F60X-W2 BXW2.9
5. SEE GENERAL NOTES FOR CONCRETE COMPRESSIVE STRENGTH
6. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES AND LOADING DIAGRAMS	S0 SERIES DRAWINGS
TYPICAL FOUNDATION DETAILS	S2 SERIES DRAWINGS
LATERAL SYSTEM ELEVATIONS, CONNECTION FORCES AND DETAILS	S3 SERIES DRAWINGS
STEEL SUPERSTRUCTURE SCHEDULES AND DETAILS	S5 SERIES DRAWINGS

NOTES:

1. REINFORCEMENT SHALL NOT BE SPLICED WITHOUT PRIOR WRITTEN APPROVAL FROM SER.



BEARING WALL SCHEDULE

SEE S-500 FOR COLUMN BASE DETAILS

BASE PLATE SCHEDULE



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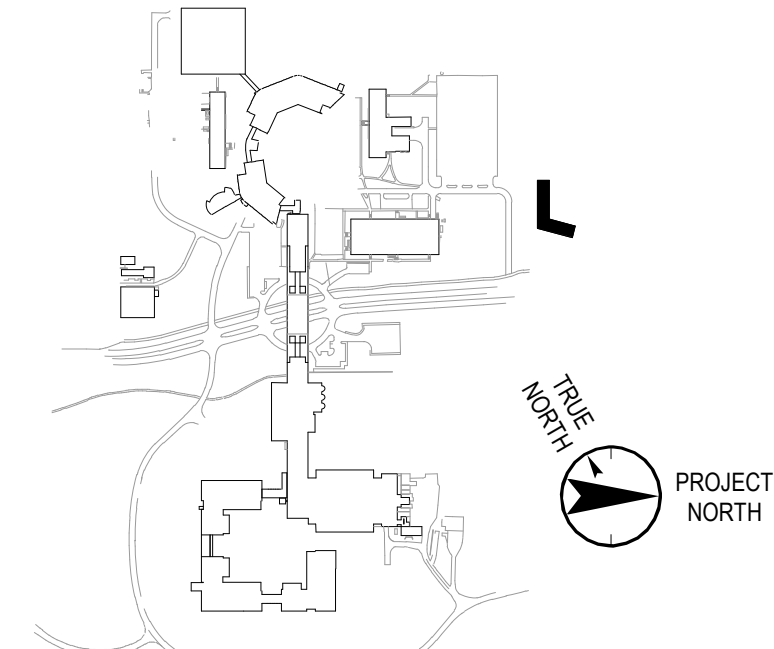
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Key Plan



No.	Date	Description
0	05.20.22	ISSUED FOR PERMI

Plot Date: 10/29/21

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Discipline: _____ Drawn By: Author
GROUND FLOOR PLAN

Scale: As indicated Floor:

S-100

NOTES:

1. T/STRUCTURAL SLAB EL+15'-0" UON THUS:

X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION

2. T/STEEL EL+14'-5 3/4" UON

3. ——— INDICATES DECK SPAN DIRECTION

4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS:

DRAWING LISTS, GENERAL NOTES, AND
LOADING DIAGRAMS S0 SERIES DRAWINGS

TYPICAL FOUNDATION DETAILS S2 SERIES DRAWINGS

LATERAL SYSTEM ELEVATIONS, CONNECTION
FORCES, AND DETAILS S3 SERIES DRAWINGS

STEEL SUPERSTRUCTURE SCHEDULES AND
DETAILS S5 SERIES DRAWINGS

6. SYMBOLS:

— INDICATES MOMENT CONNECTION

— INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION
SEE DETAIL 7/S-501

7. NOTATIONS:

SW INDICATES SHEAR WALL (SEE FOUNDATION PLAN FOR TYP. AND S-300 FOR LOADING)
SEE BRACED FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES

CA/CB INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN
COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 8/S-502

TC INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 8/S-501

8. JOIST ENDS AT SPANDRELS SHALL BE DESIGNED TO BRACE TOP AND BOTTOM FLANGES OF
SPANDRELS. SEE TYPICAL DETAILS ON 2/S03.07 FOR DETAILS

9. JOIST BRIDGING SHALL BE DESIGNED FOR TF1.5 TO BRACE TOP AND BOTTOM FLANGES OF WIDE
FLANGE AT INDICATED LOCATIONS

10. ——— INDICATES LGMF LOAD BEARING WALL (BY OTHERS)

— INDICATES LGMF SHEAR WALL (BY OTHERS)

11. PROVIDE CONNECTION AT JOISTS FOR V10, U.O.N ON PLAN. SEE PLAN FOR CONNECTION FORCES AT
STEEL FRAMING

HEADER MARK	MAX. LENGTH	MINIMUM SIZE
H1	7'-0"	8000S162-68
H2	12'-0"	1400S162-118
H3	19'-0"	1600S162-118

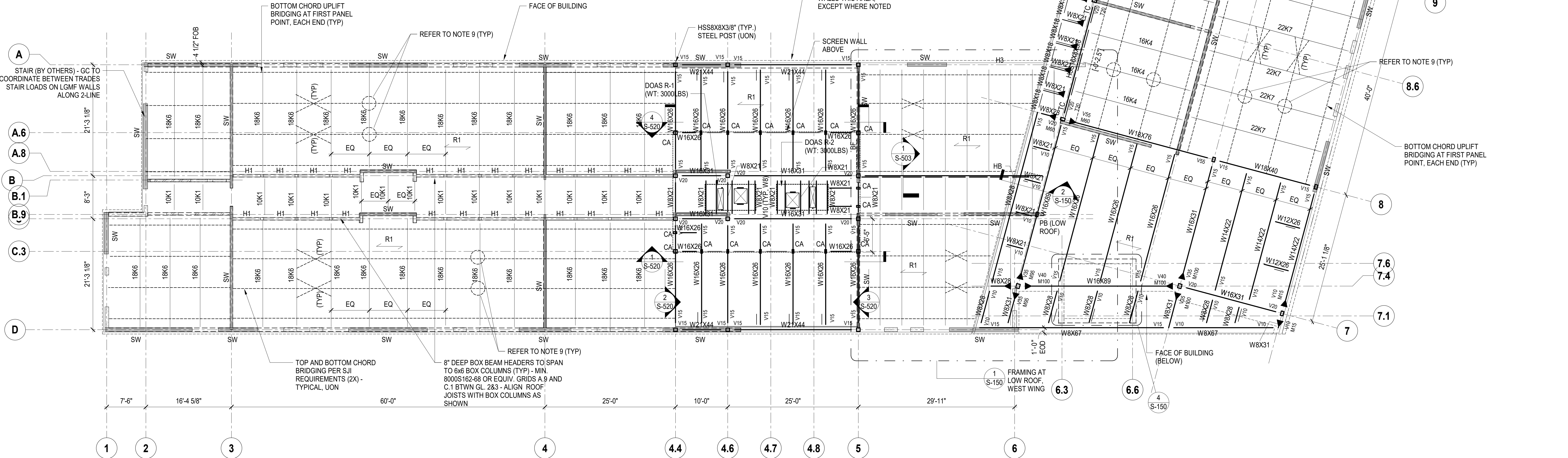
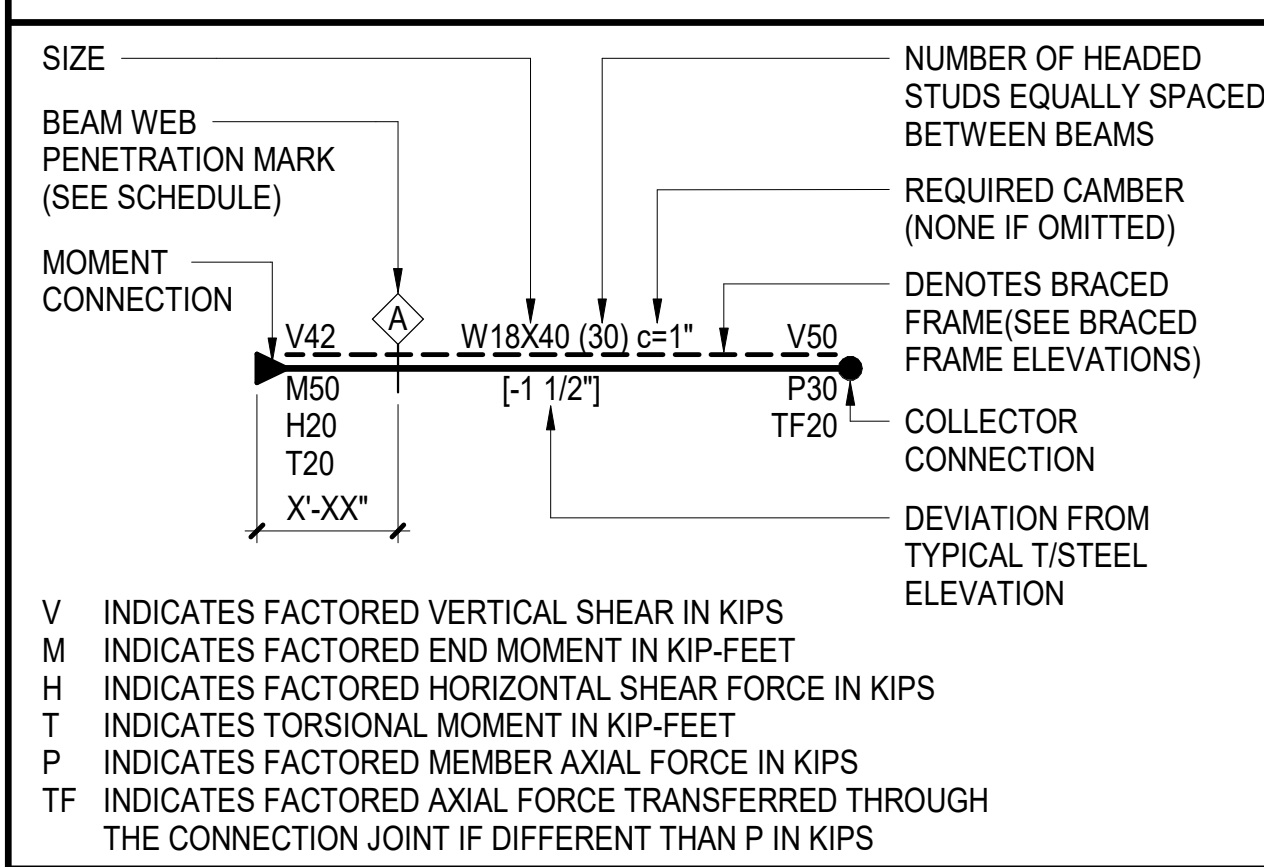
BOX BEAM HEADER SCHEDULE

12' = 1'-0"

ROOF DECK SCHEDULE

ROOF DECK MARK	ROOF DECK (MINIMUM)	UNFACTORED DIAPHRAGM SHEAR (PLF)	NOTES
R1	1 1/2"-20 GA TYPE B		UNFACTORED SHEAR CAN BE CALCULATED BY DIVIDING FACTORED SHEAR BY 1.6

STEEL BEAM LEGEND



1 ROOF LEVEL FRAMING PLAN

SCALE: 1/8" = 1'-0"

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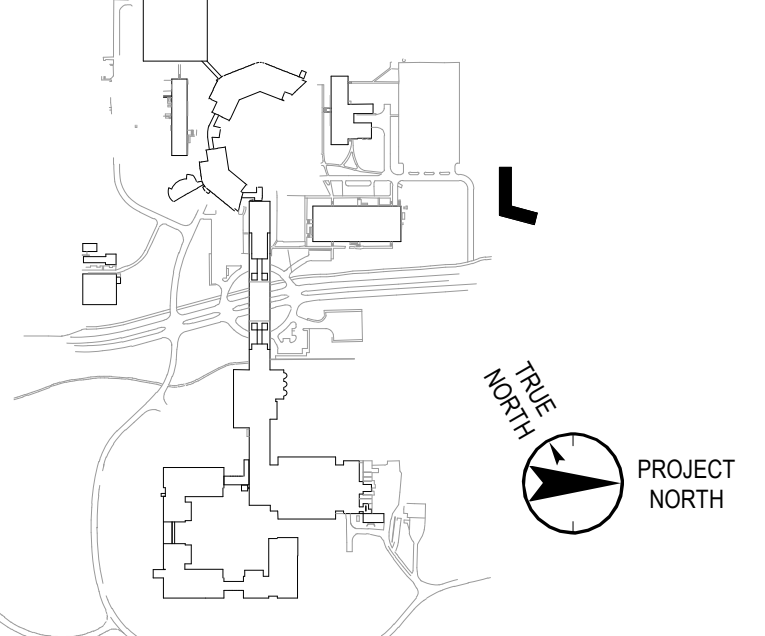
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Key Plan



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ROOF PLAN

Scale: As indicated Floor:

S-101

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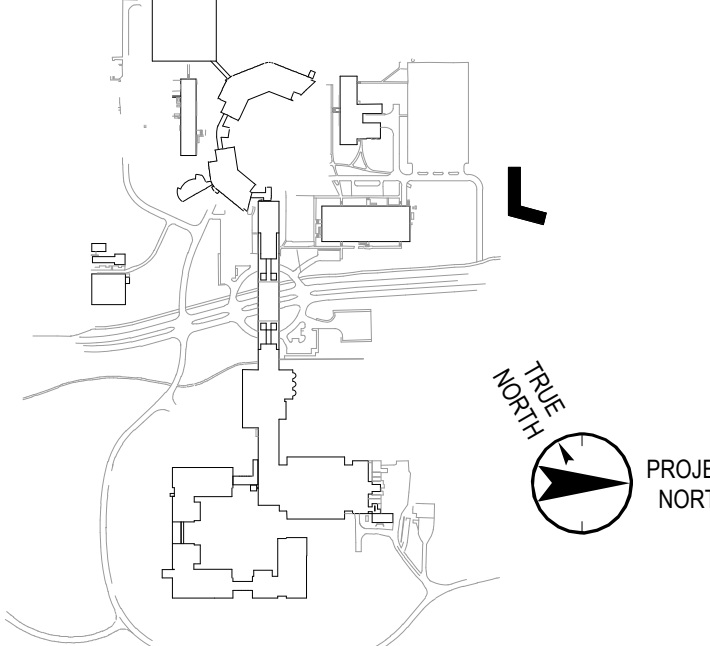
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No.	Date	Description
0	05.20.22	ISSUED FOR PERMIT

03/11/2021 - ISSUED FOR 50% CDS

Plot Date: 03/08/22

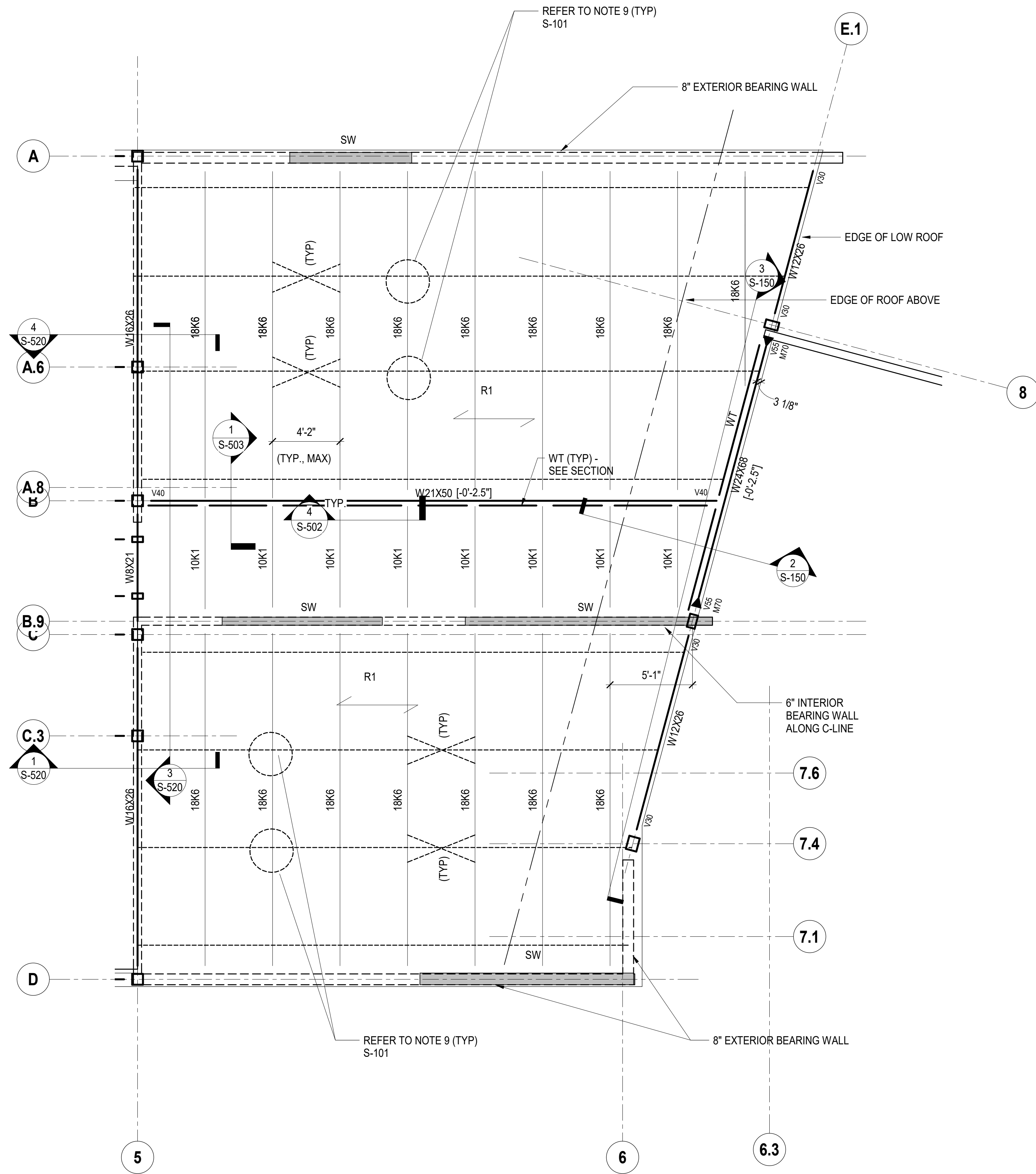
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PART PLANS

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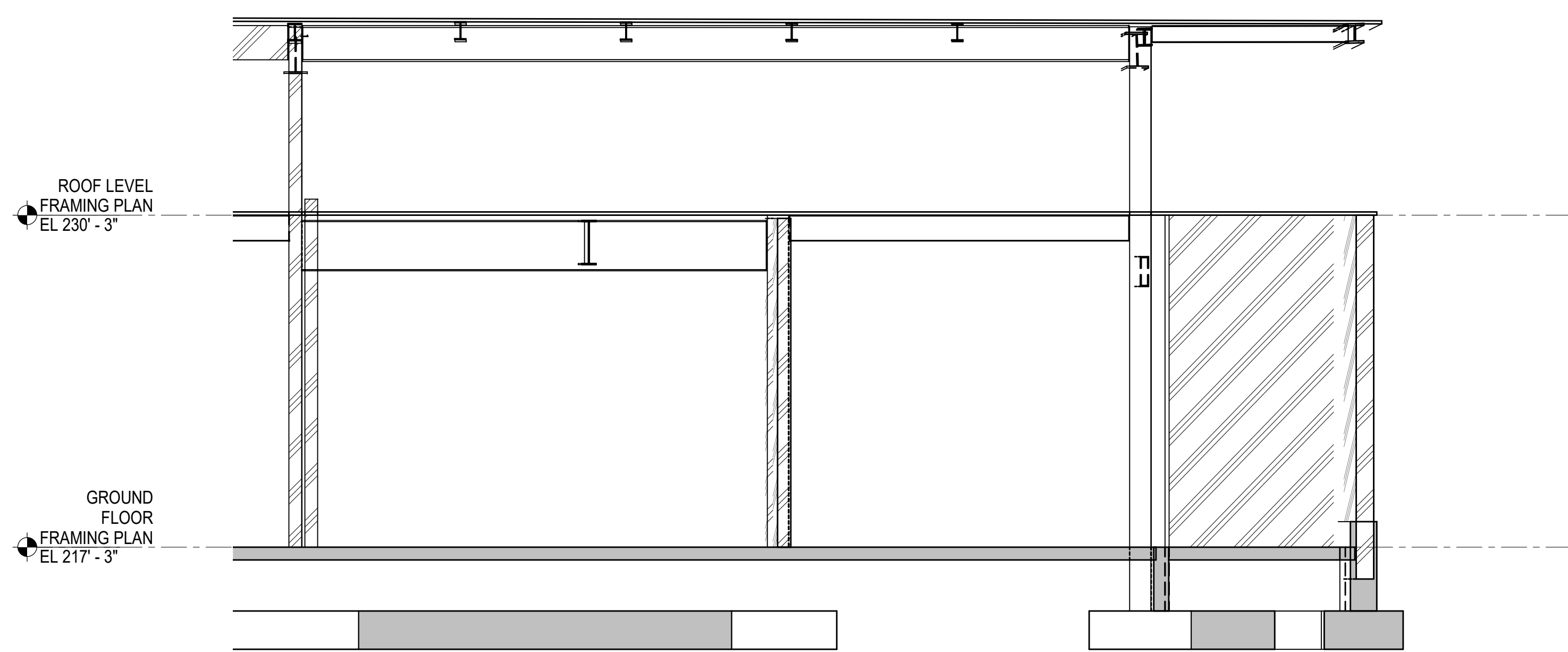
S-150



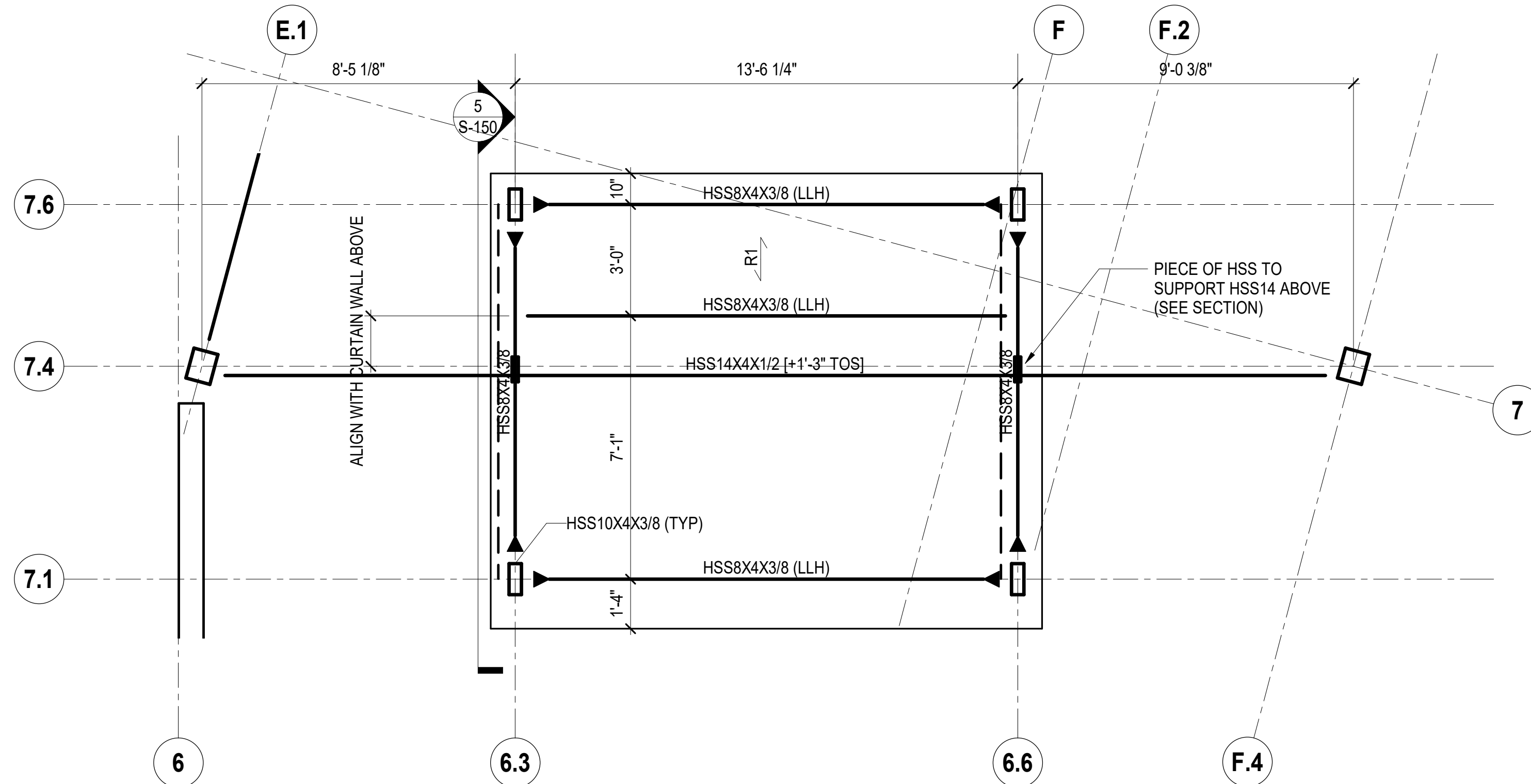
1 PART PLAN AT LOW ROOF, WEST WING
SCALE: 1/4" = 1'-0"

2 SECTION THRU. EAST - WEST WINGS
SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"



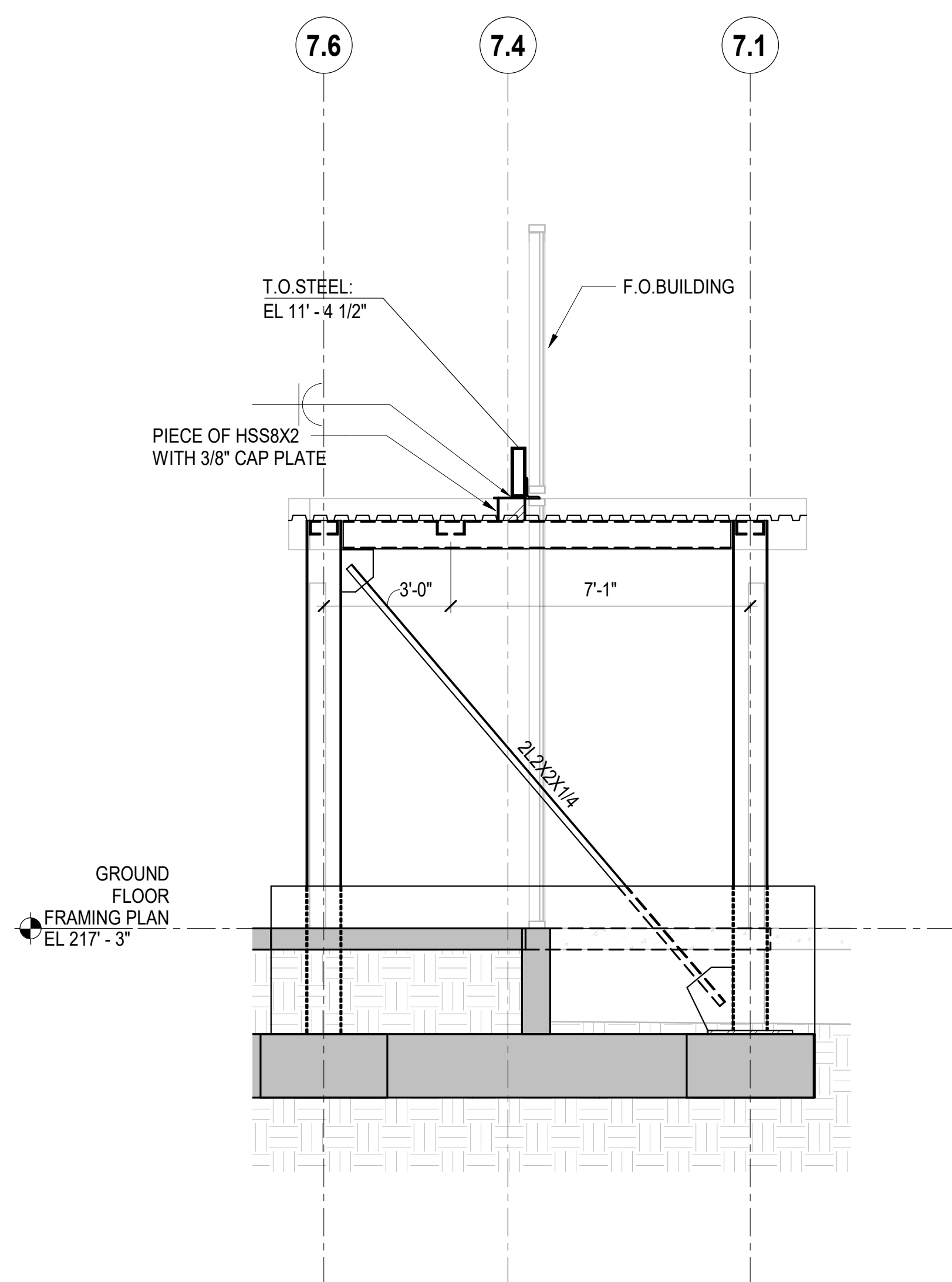
3 SECTION AT GRIDLINE E.1
SCALE: 1/4" = 1'-0"



4 TOS LOBBY VESTIBULE
SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"

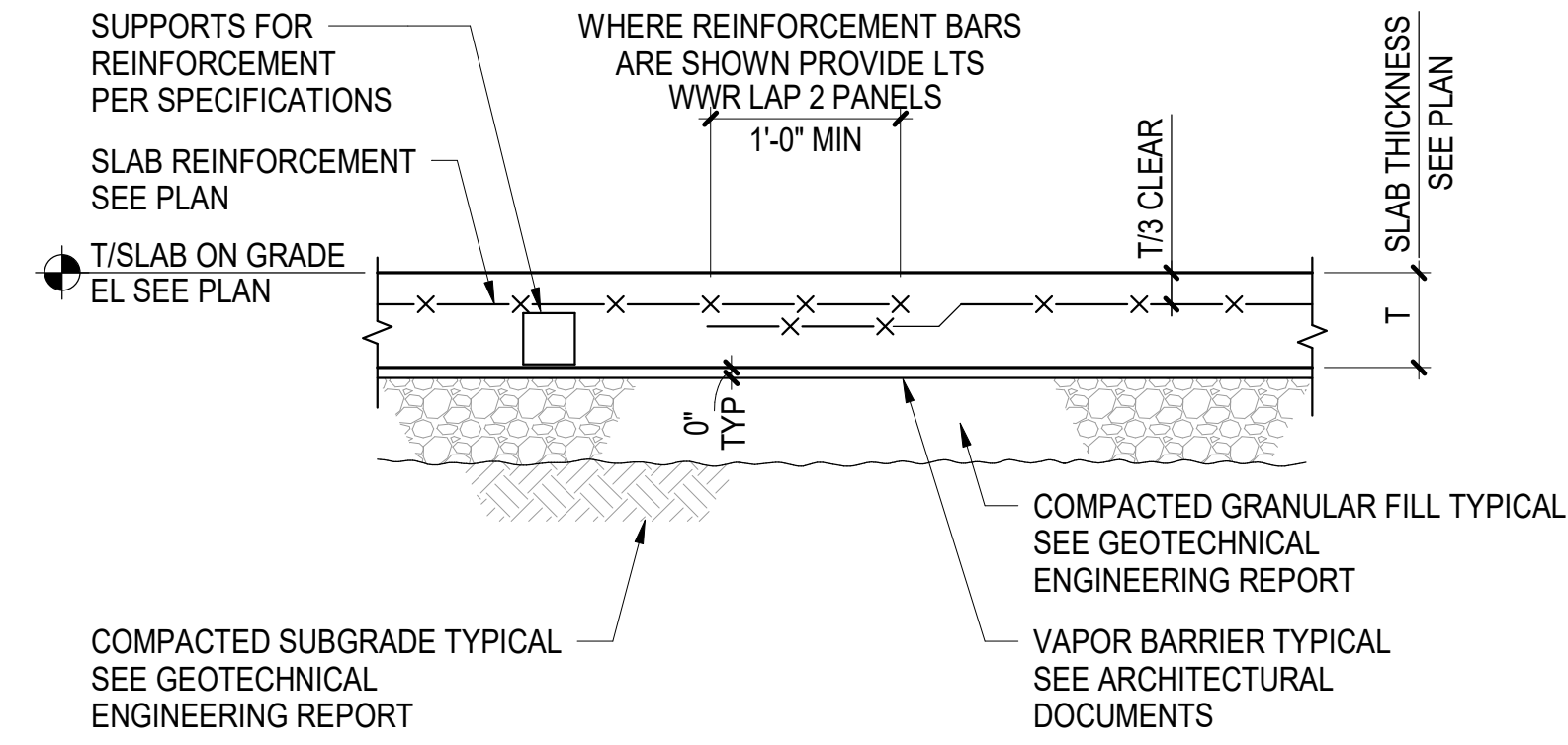
NOTES:
1. T/STEEL +9'-7 3/4" UON



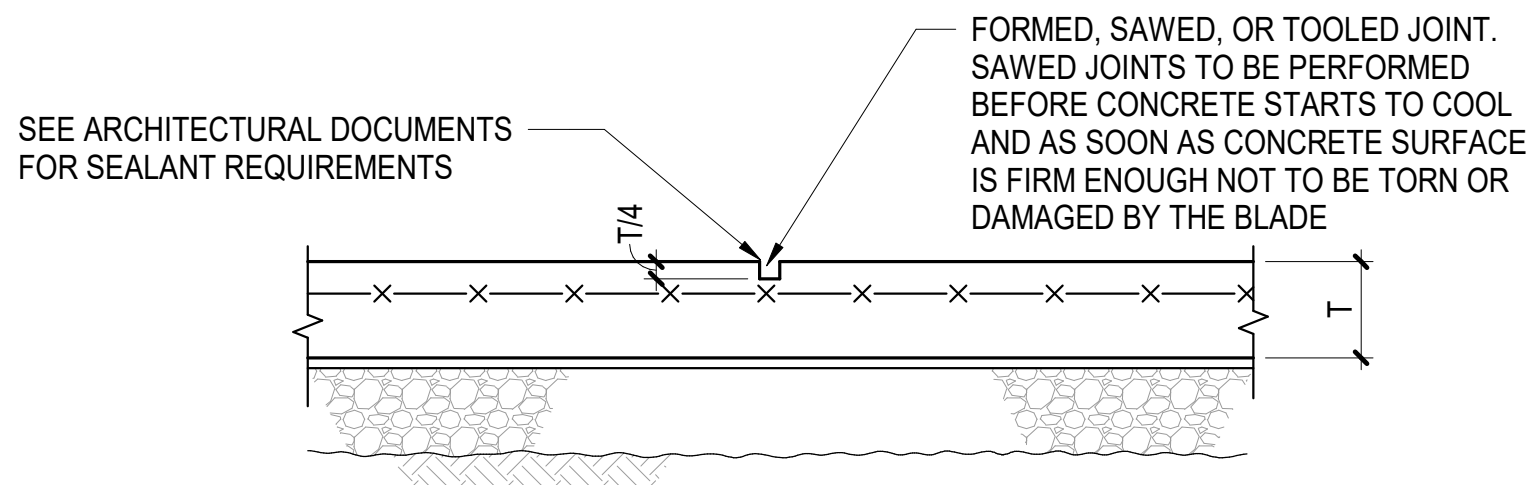
5 SECTION THRU. VESTIBULE
SCALE: 3/8" = 1'-0"

SCALE: 3/8" = 1'-0"

FILE: BM-360-000-3608-000 - Regeneron Day Care Facility - Tarrytown, NY 10591-6707, 05-Regeneron, 020, 14 PLOTTED: ON: 04/19/10



A SLAB ON GRADE

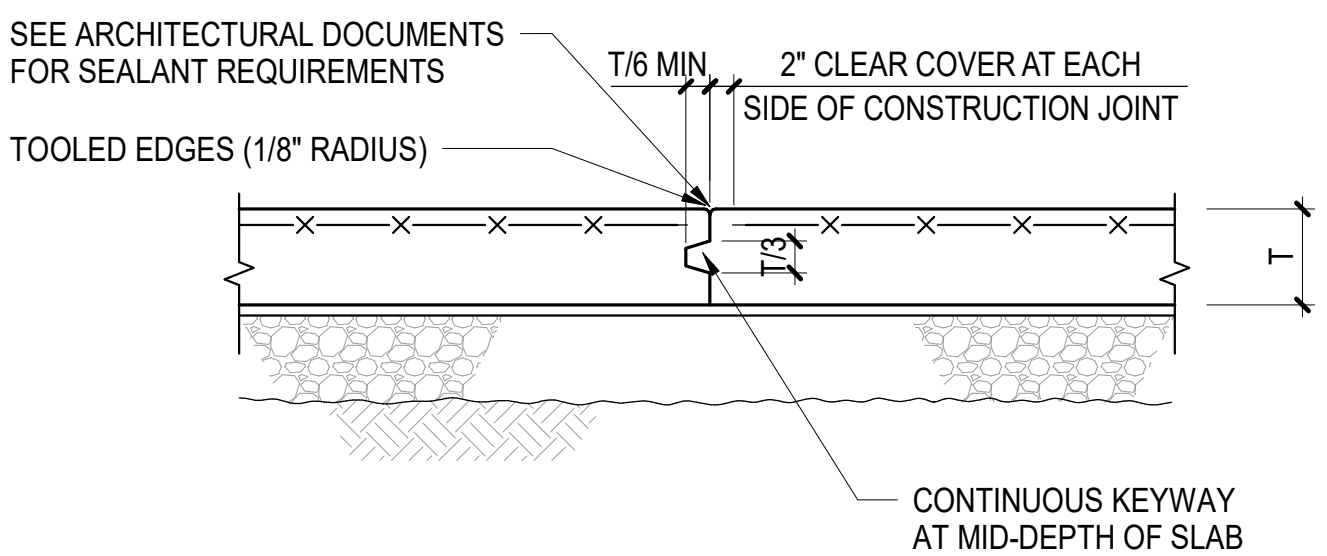


C CONTRACTION JOINT

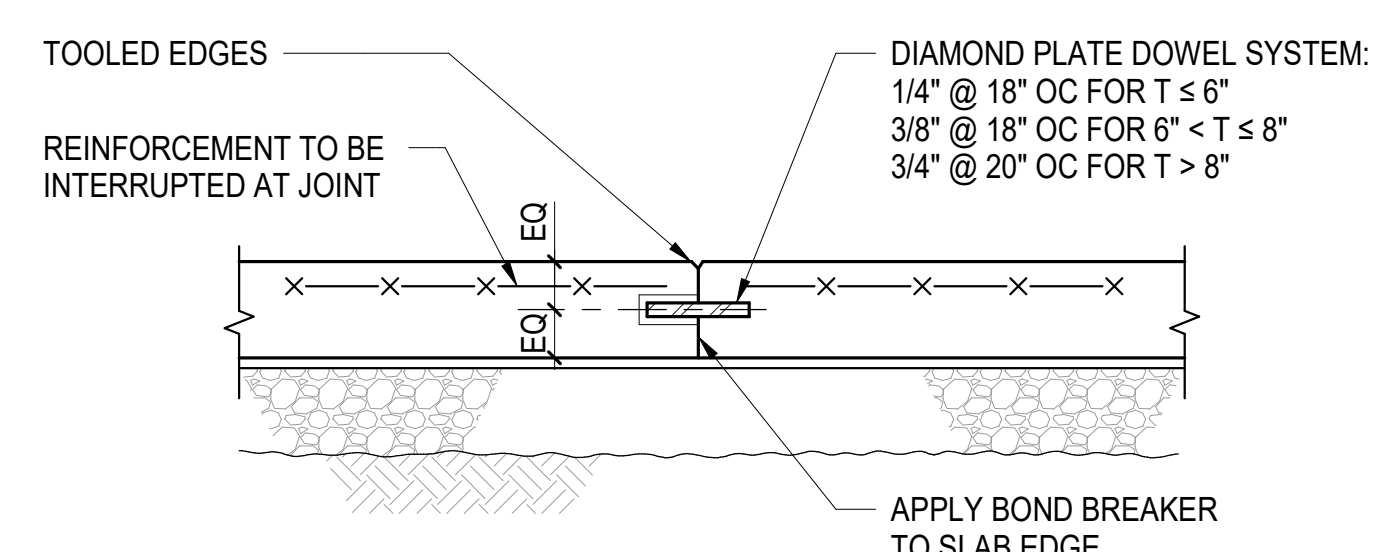
- NOTES:**
- WHERE NOT INDICATED ON DRAWINGS PROVIDE JOINTS AT COLUMN CENTERLINES AND BETWEEN COLUMN CENTERLINES WITH SPACING OF JOINTS NOT TO EXCEED 36 TIMES THE SLAB THICKNESS (T-INCHES)

1 TYPICAL SLAB ON GRADE DETAILS

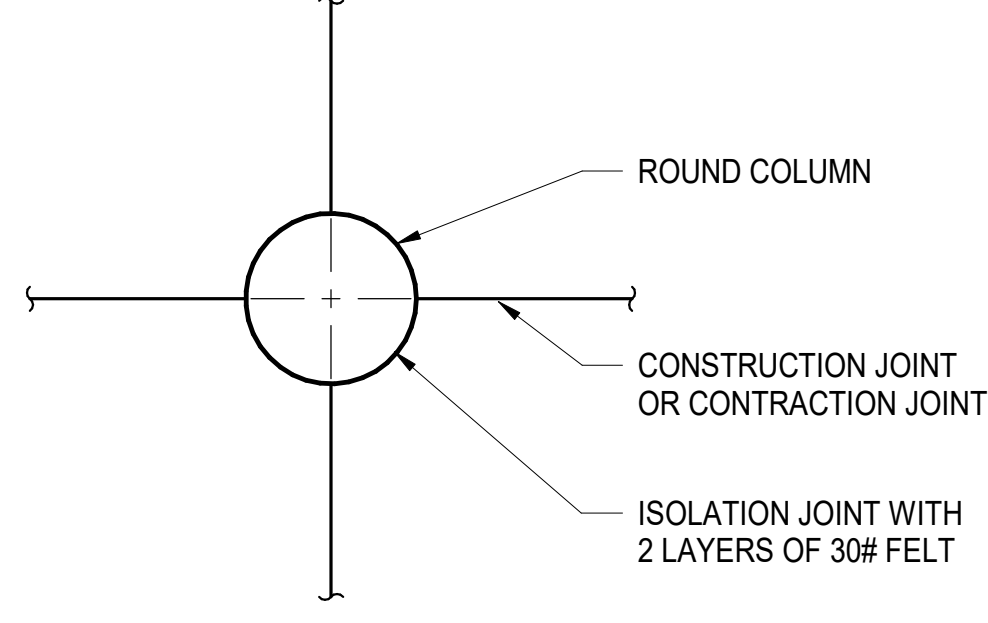
NOT TO SCALE



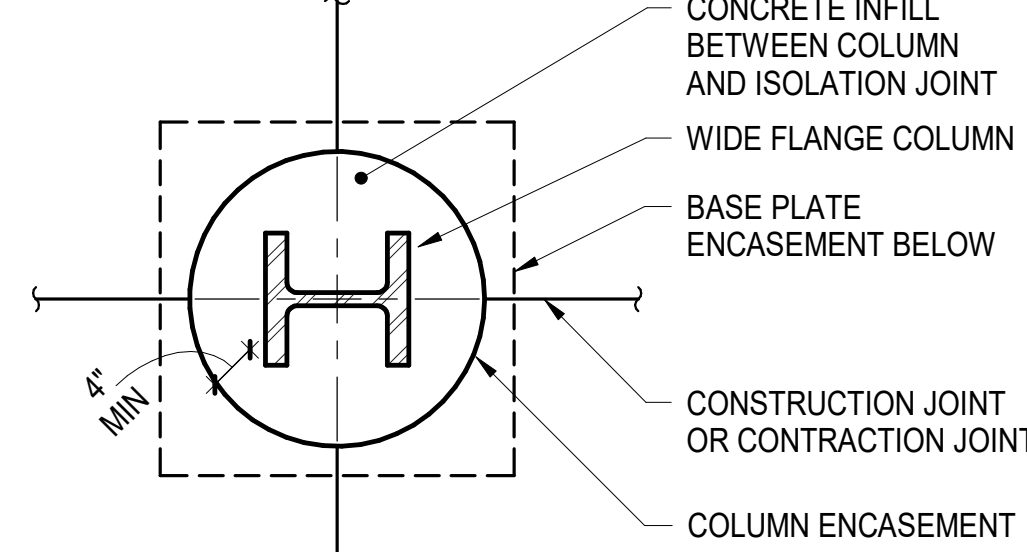
B CONSTRUCTION JOINT / CONTRACTION JOINT



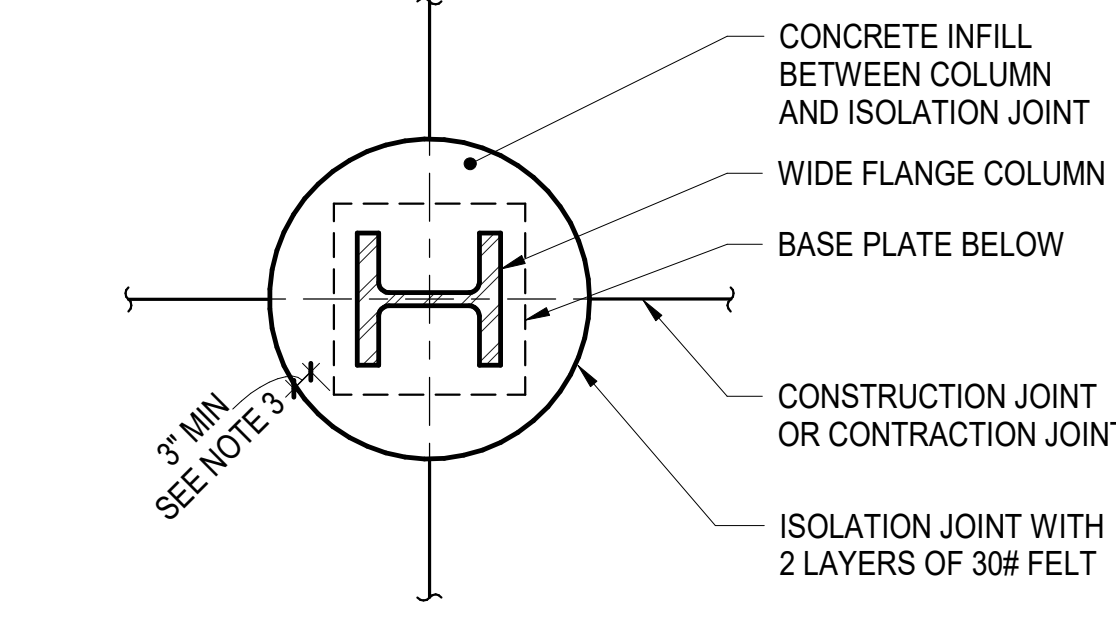
D DOWELED CONSTRUCTION JOINT (WHERE INDICATED ON PLAN)



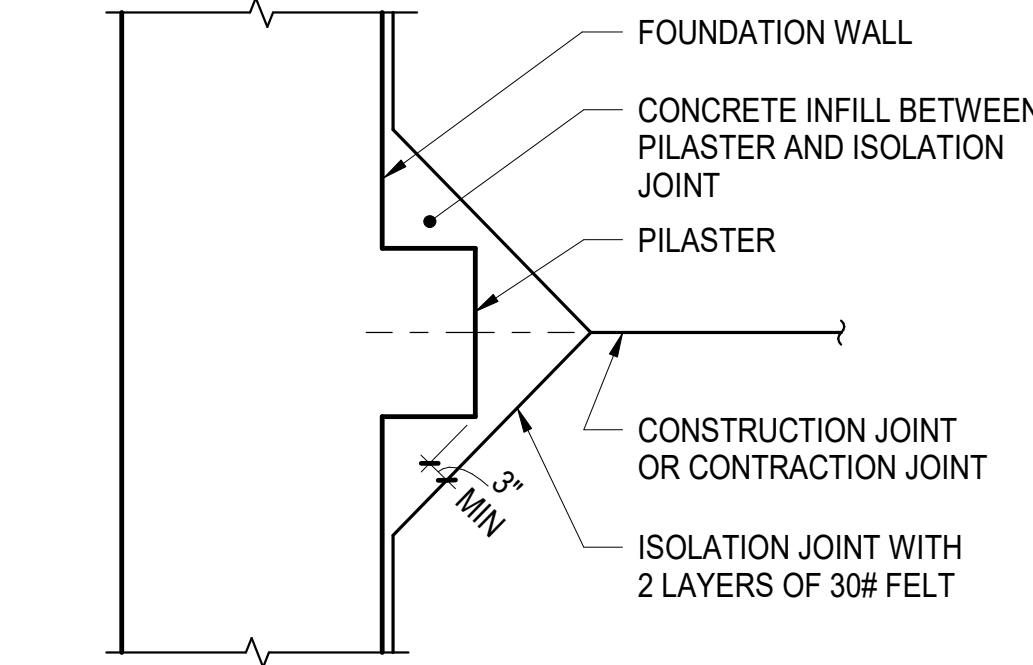
A ROUND COLUMN



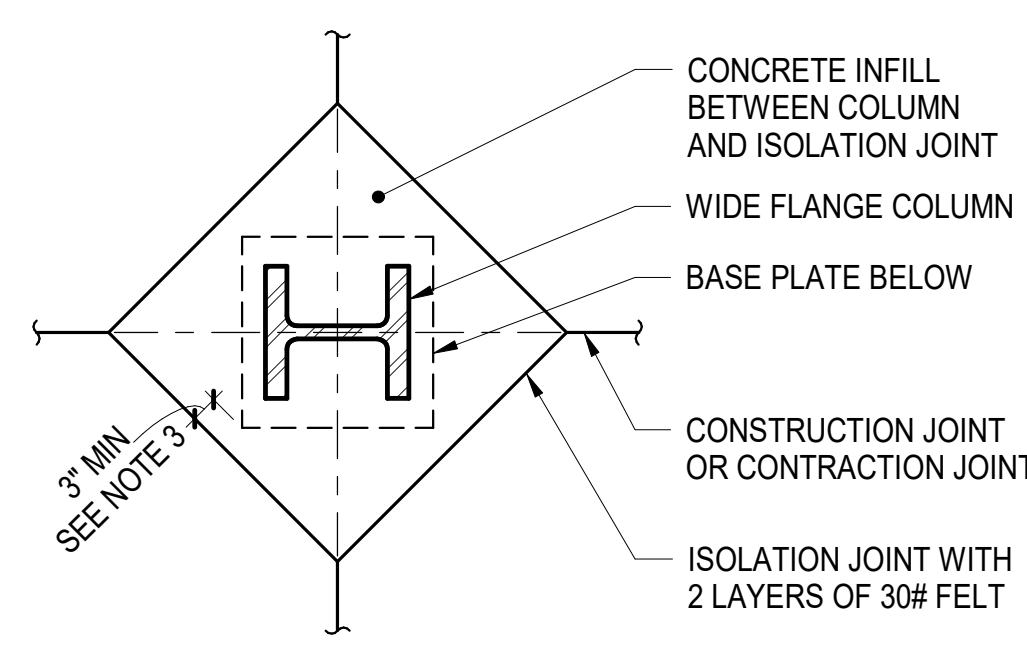
B CONCRETE ENCASE COLUMN AND BASE PLATE WHERE INDICATED ON PLAN



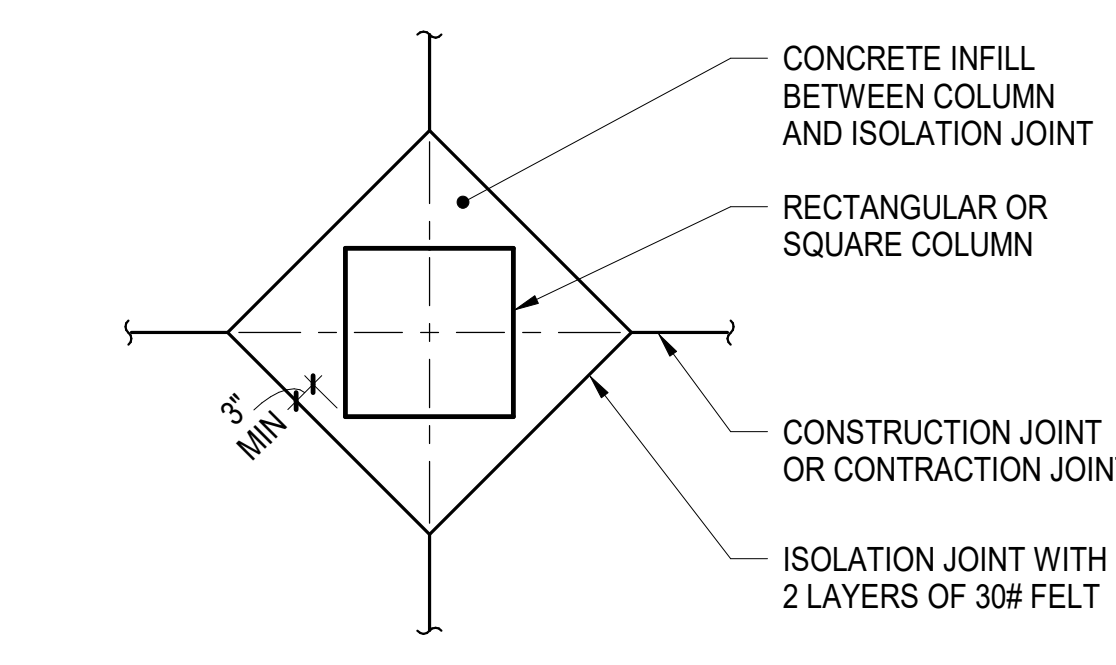
C TYPICAL BASE PLATE WITHIN CONCRETE INFILL (ROUND ISOLATION JOINT OPTION)



D PILASTER



E TYPICAL BASE PLATE WITHIN CONCRETE INFILL UNLESS OTHERWISE NOTED

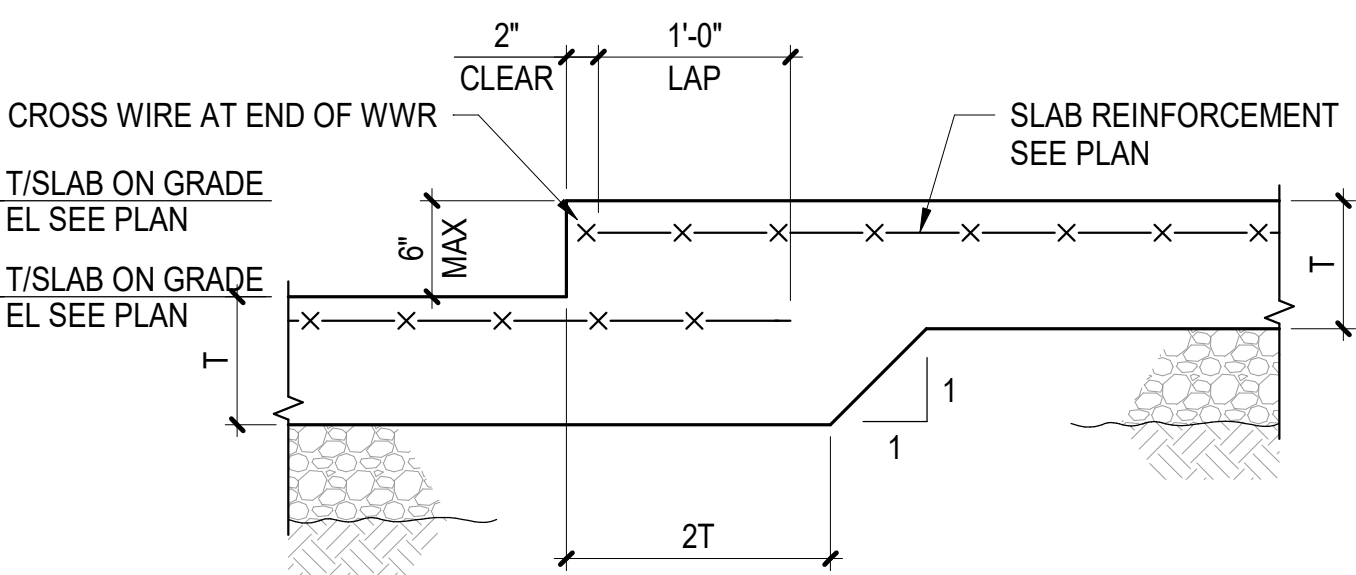


F RECTANGULAR OR SQUARE COLUMN

- NOTES:**
- SEE TYPICAL SLAB ON GRADE DETAILS FOR JOINT SPACING REQUIREMENTS
 - CONCRETE INFILL BETWEEN COLUMN AND ISOLATION JOINT TO BE POURED AFTER ALL THE SLABS SUPPORTED BY THE COLUMN HAVE BEEN POURED
 - PROVIDE ADDITIONAL CLEARANCE AS REQUIRED TO ENSURE 3" MINIMUM CONCRETE COVER OVER BASE PLATE AND ANCHOR RODS BELOW.

2 TYPICAL ISOLATION JOINT DETAILS AT SLAB ON GRADE

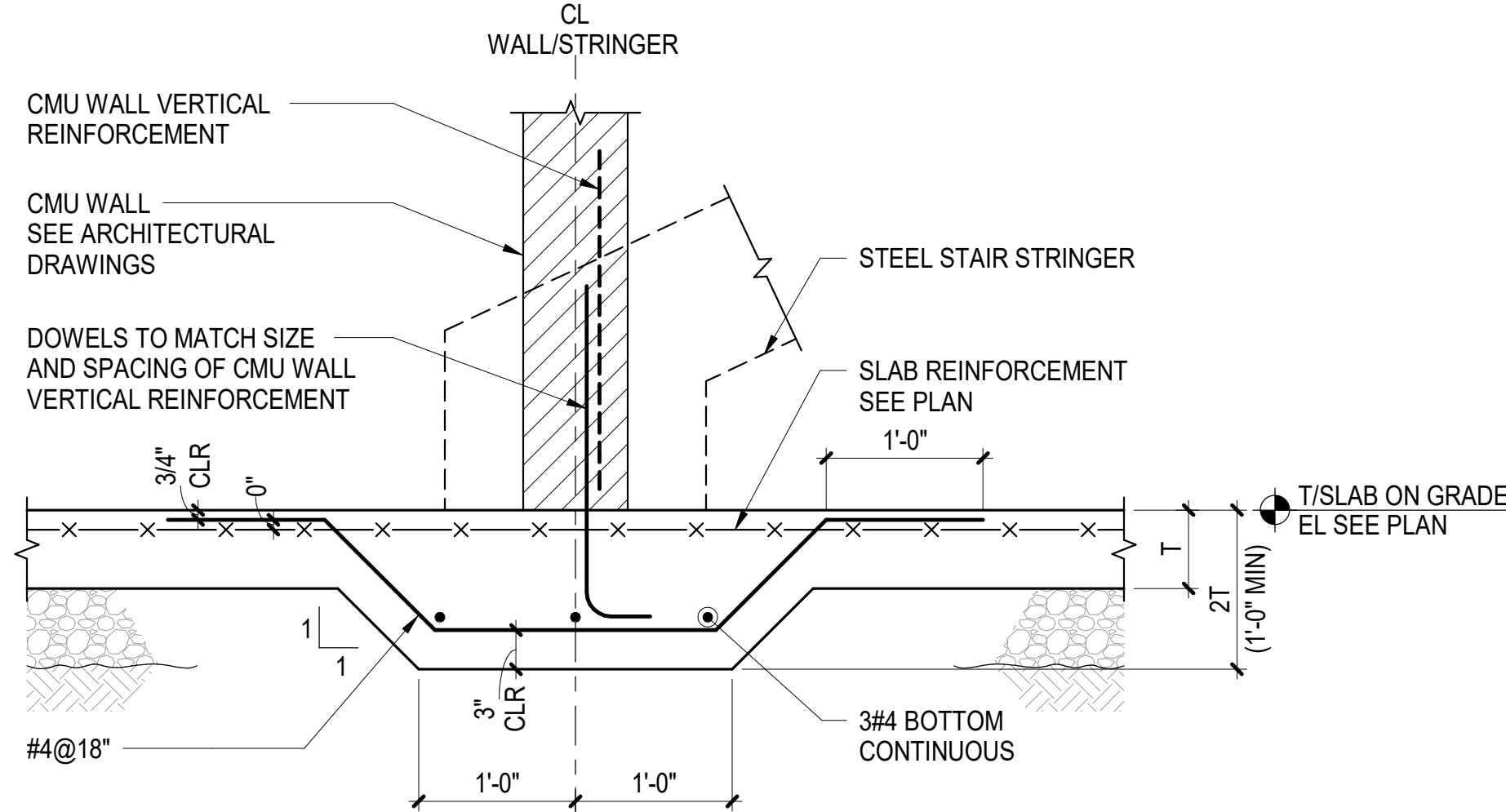
NOT TO SCALE



- NOTES:**
- SEE TYPICAL SLAB ON GRADE DETAILS FOR ADDITIONAL INFORMATION

3 TYPICAL SLAB ON GRADE STEP 6" MAXIMUM

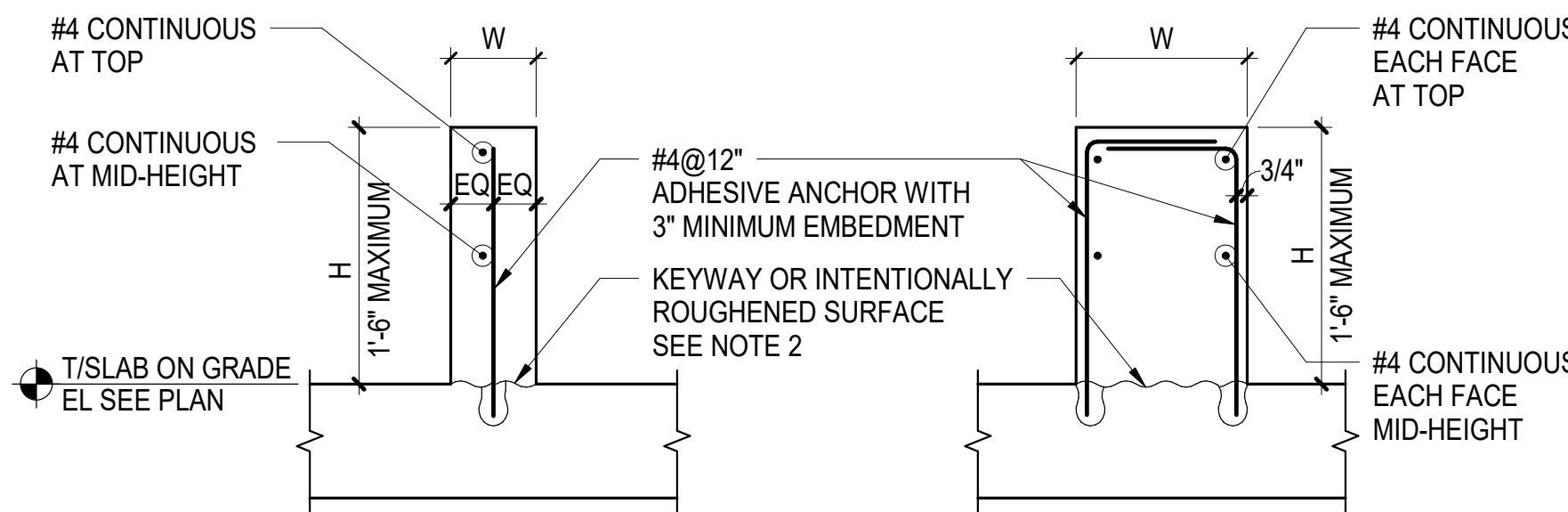
NOT TO SCALE



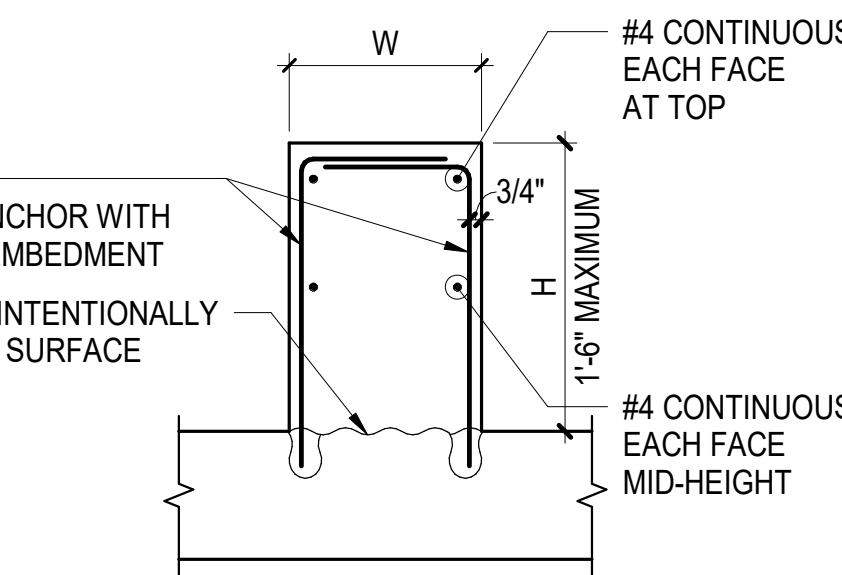
- NOTES:**
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF WALLS AND STAIRS
 - SEE TYPICAL SLAB ON GRADE DETAILS FOR MORE INFORMATION

4 TYPICAL THICKENED SLAB ON GRADE AT NON-BEARING CMU WALL OR STAIR STRINGER

NOT TO SCALE



A NARROW CURB - 4" ≤ W ≤ 8"

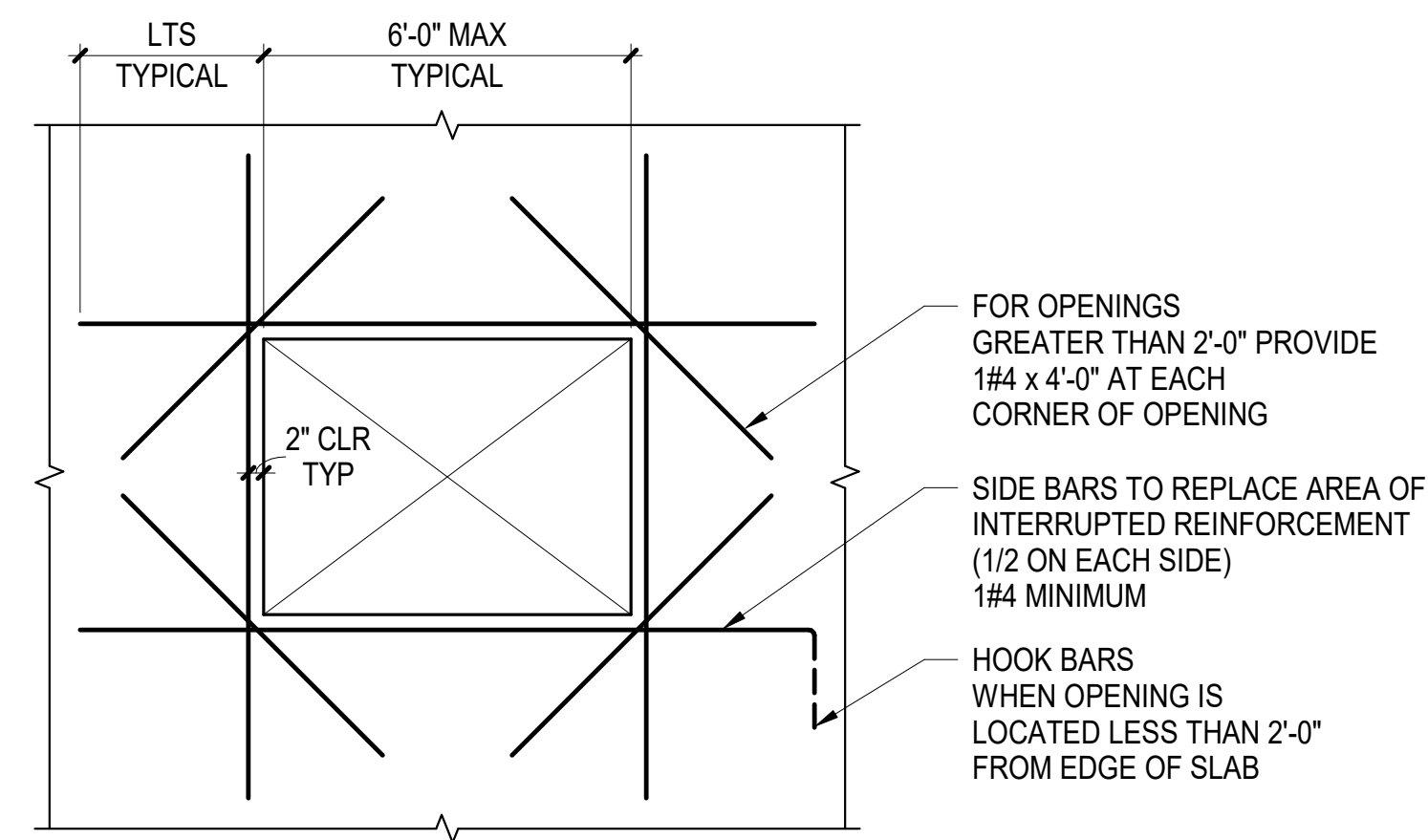


B WIDE CURB - W ≥ 8"

- NOTES:**
- FOR SIZE AND LOCATION SEE ARCHITECTURAL, MEP, OR STRUCTURAL DRAWINGS
 - ROUGHEN SURFACE OF SLAB TO 1/4" AMPLITUDE, CLEAN THOROUGHLY AND APPLY BONDING AGENT IMMEDIATELY BEFORE CASTING CURB
 - THIS DETAIL IS APPLICABLE AT CURBS FOR NON-STRUCTURAL ELEMENTS SUCH AS SKYLIGHTS, INTERIOR PARTITIONS, AND INTERIOR RAILINGS
 - SEE ARCHITECTURAL DRAWINGS FOR EMBEDDED PLATES AND BLOCKOUTS REPLACE REINFORCEMENT INTERRUPTED BY BLOCKOUTS
 - CORING AND/OR CUTTING OF REINFORCEMENT IS NOT PERMITTED USE EMBED PLATES FOR ATTACHMENT TO CURBS

5 TYPICAL CURB DETAILS AT INTERIOR

SCALE: NOT TO SCALE

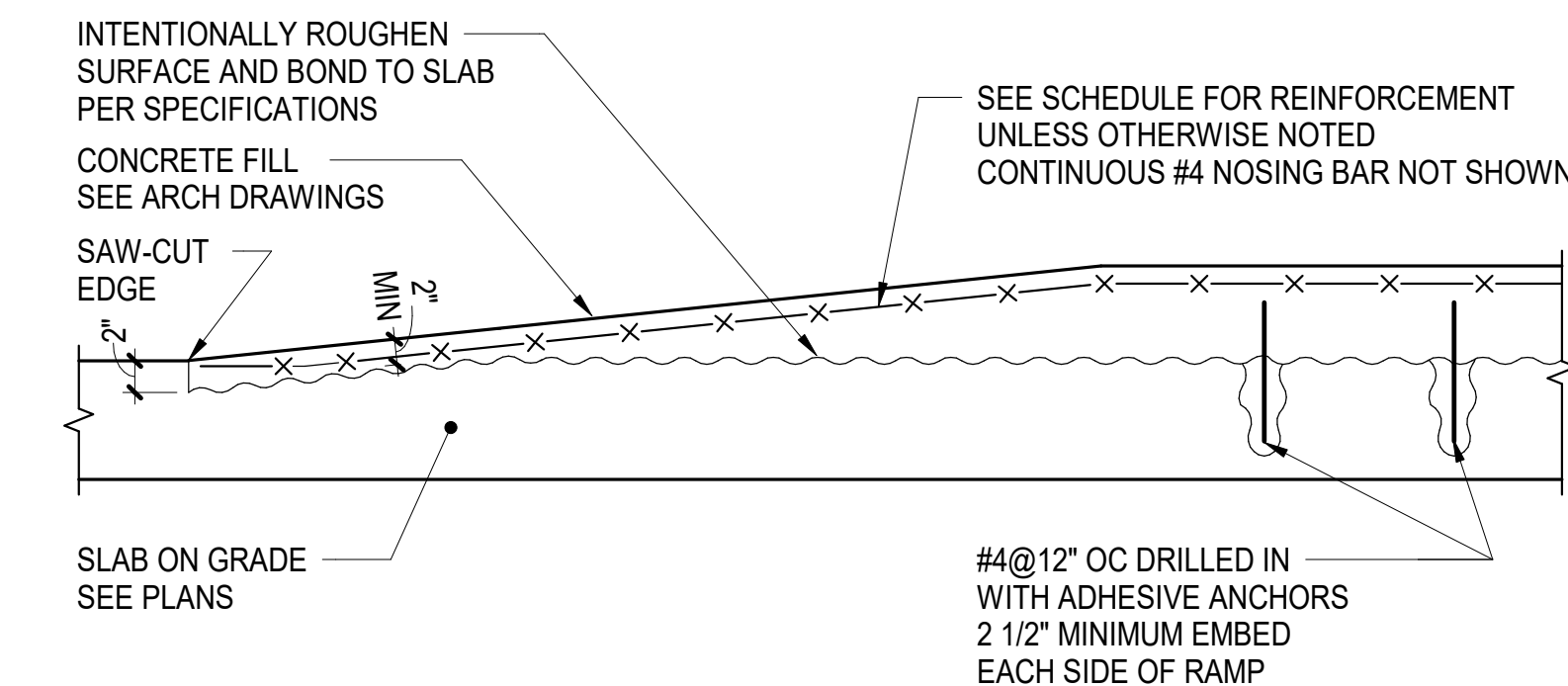


A PLAN

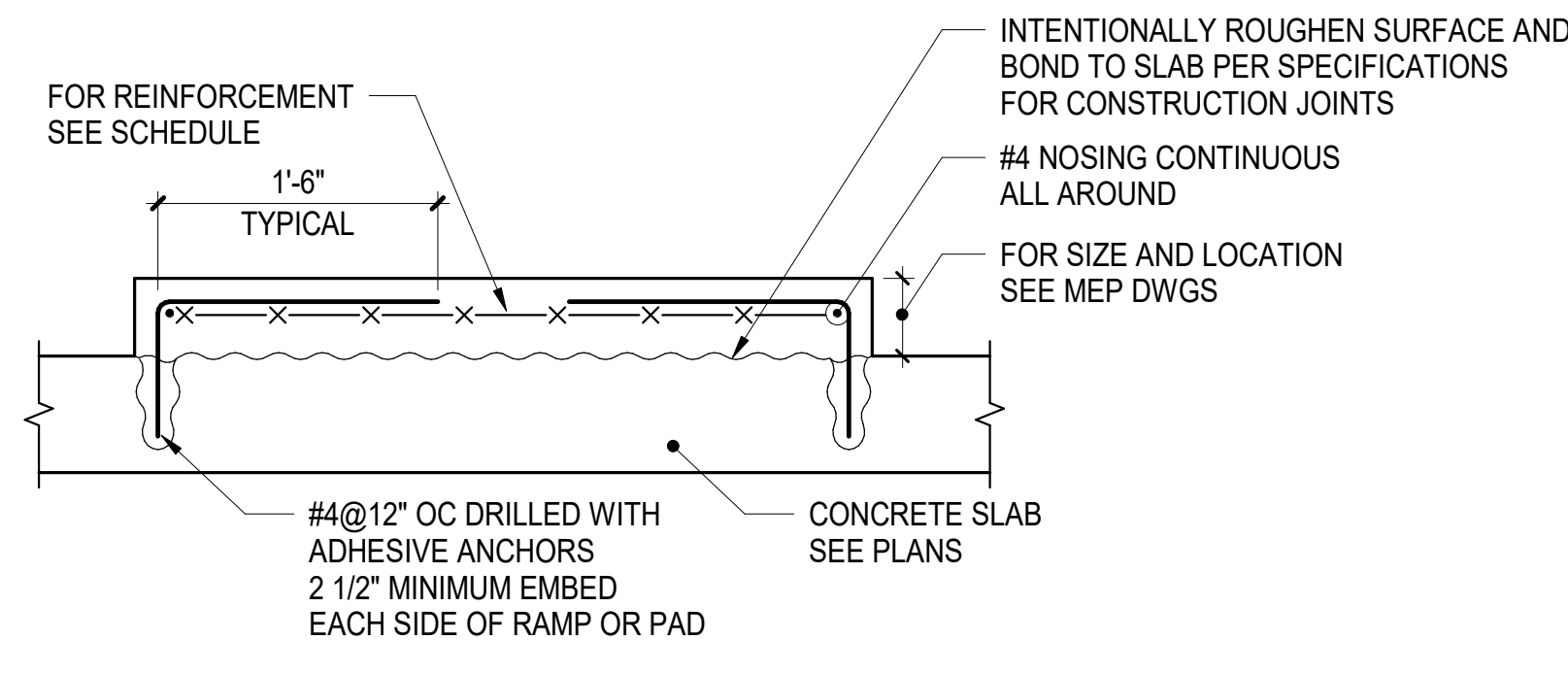
- NOTES:**
- FOR SIZE OF OPENINGS SEE ARCHITECTURAL DRAWINGS
 - ADDITIONAL REINFORCEMENT IS NOT REQUIRED AT OPENINGS THAT DO NOT INTERRUPT THE TYPICAL REINFORCEMENT

6 TYPICAL SLAB ON GRADE DETAIL OF ADDITIONAL REINFORCEMENT AT ANY OPENINGS OR AT STEP GREATER THAN 6" UP TO 3'-0"

NOT TO SCALE



A DETAIL AT RAMP



B SECTION AT RAMP OR PAD

THICKNESS	REINFORCEMENT
≤ 3"	WWR 6x6 - W2.9xW2.9
≤ 4"	WWR 6x6 - W4.0xW4.0
≤ 6"	#4 @ 12" TOP EACH WAY
≤ 12"	#4 @ 12" TOP & BOTTOM EACH WAY

- NOTES:**
- THIS DETAIL IS NOT APPLICABLE TO GENERAL RAISED SLAB AREA HIGHER THAN 4" OTHER THAN MECHANICAL PADS AND HOUSEKEEPING PADS

7 TYPICAL DETAIL OF CONCRETE FILL HOUSEKEEPING PAD / MECHANICAL PAD / RAMP

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Project No. B17-DAYCARE

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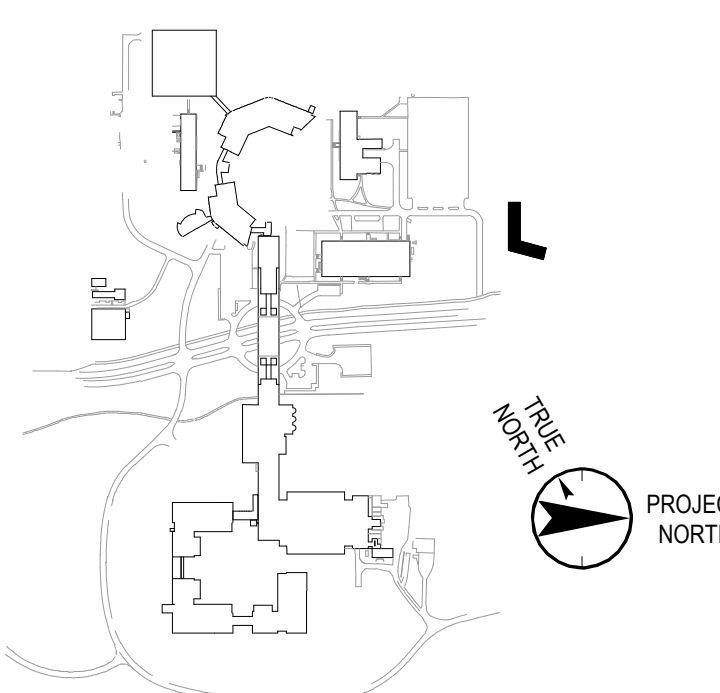
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Key Plan



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Vendor Project No.: 006.3608.000
Discipline: Drawn By: Author
TYPICAL SLAB ON GRADE
DETAILS

Scale: As indicated Floor:

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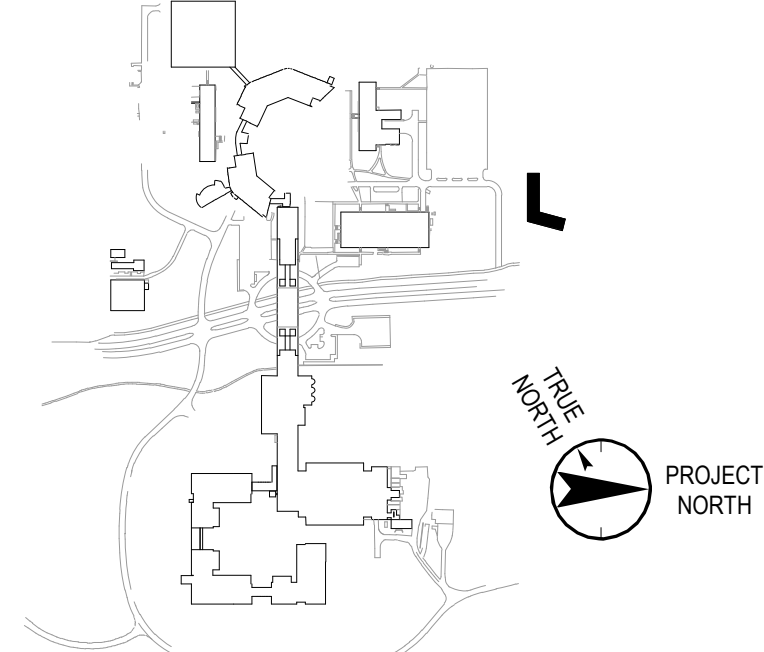
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0	05.20.22	ISSUED FOR PERMIT

Plot Date: 06/04/10

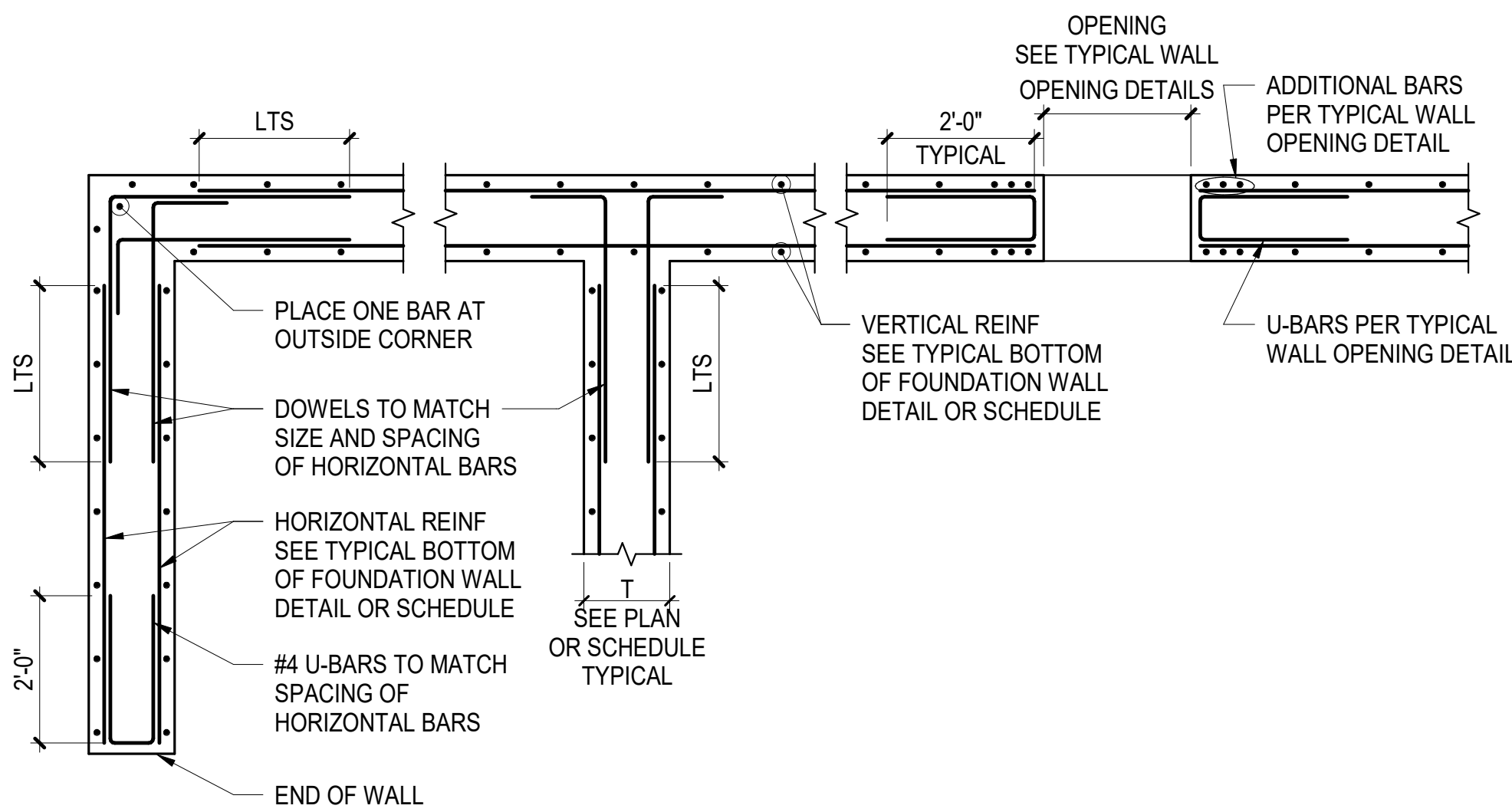
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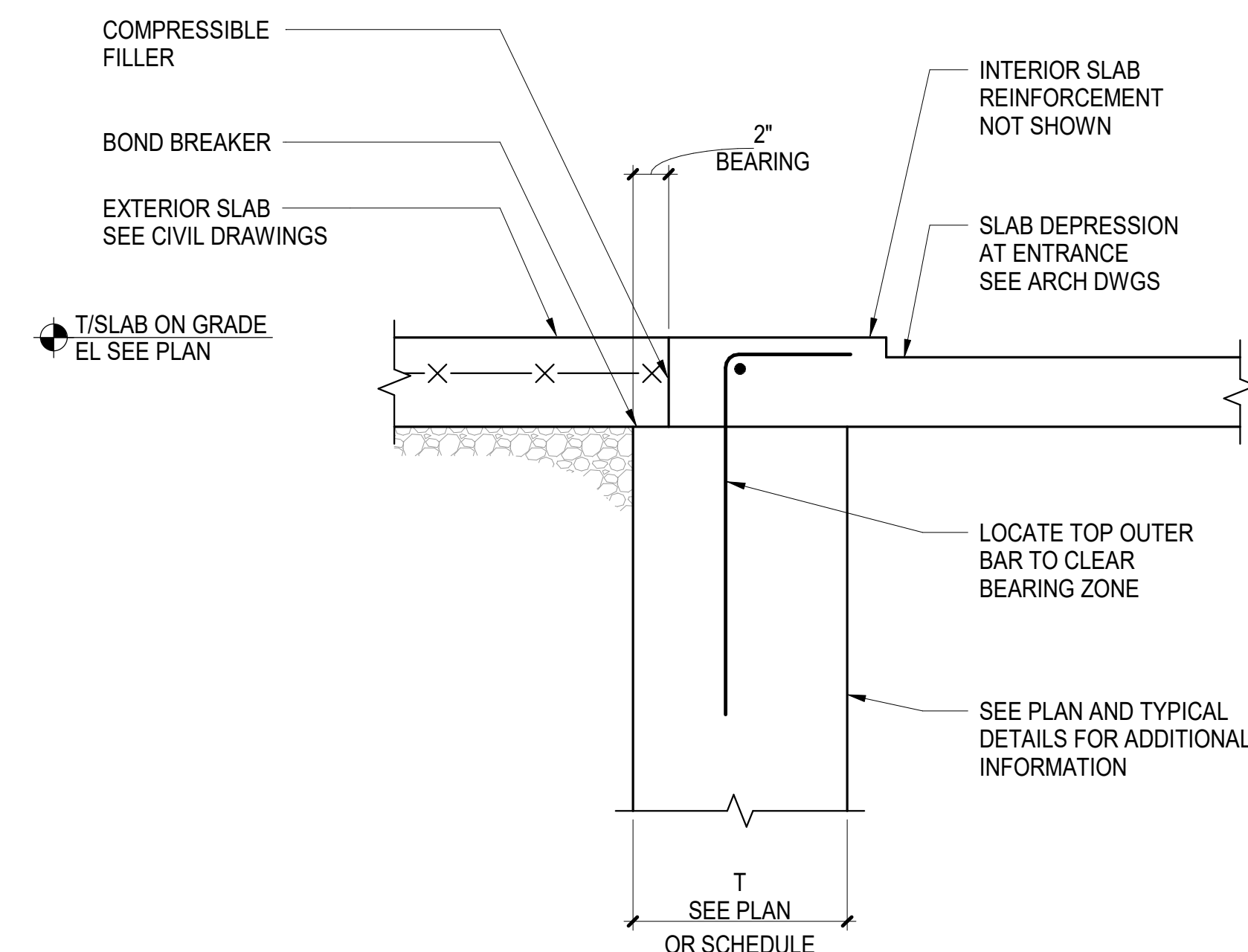
Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: Author
TYPICAL FOUNDATION WALL
DETAILS

Scale: As indicated Floor:

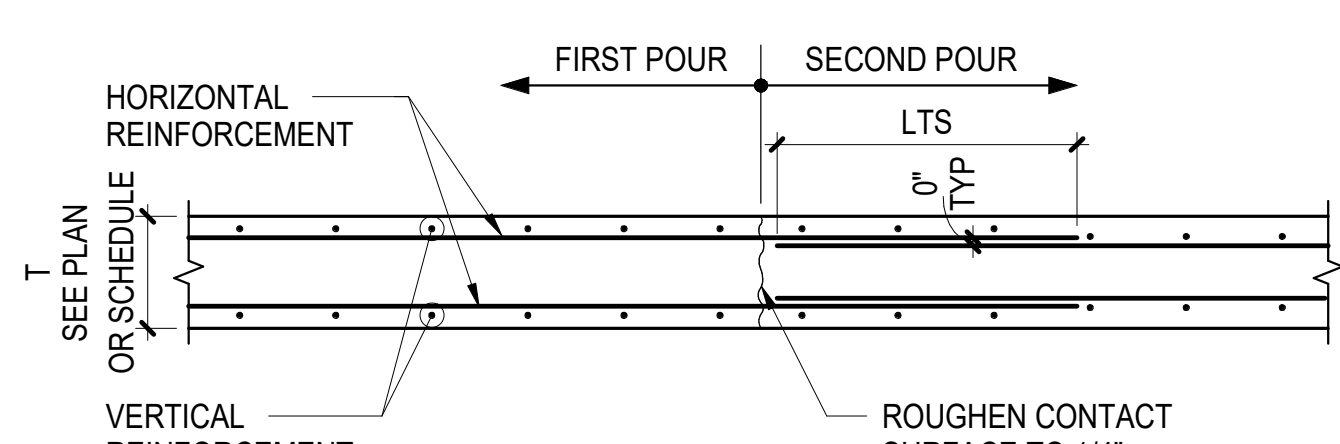
S-202



1 TYPICAL FOUNDATION WALL DETAIL - PLAN
NOT TO SCALE



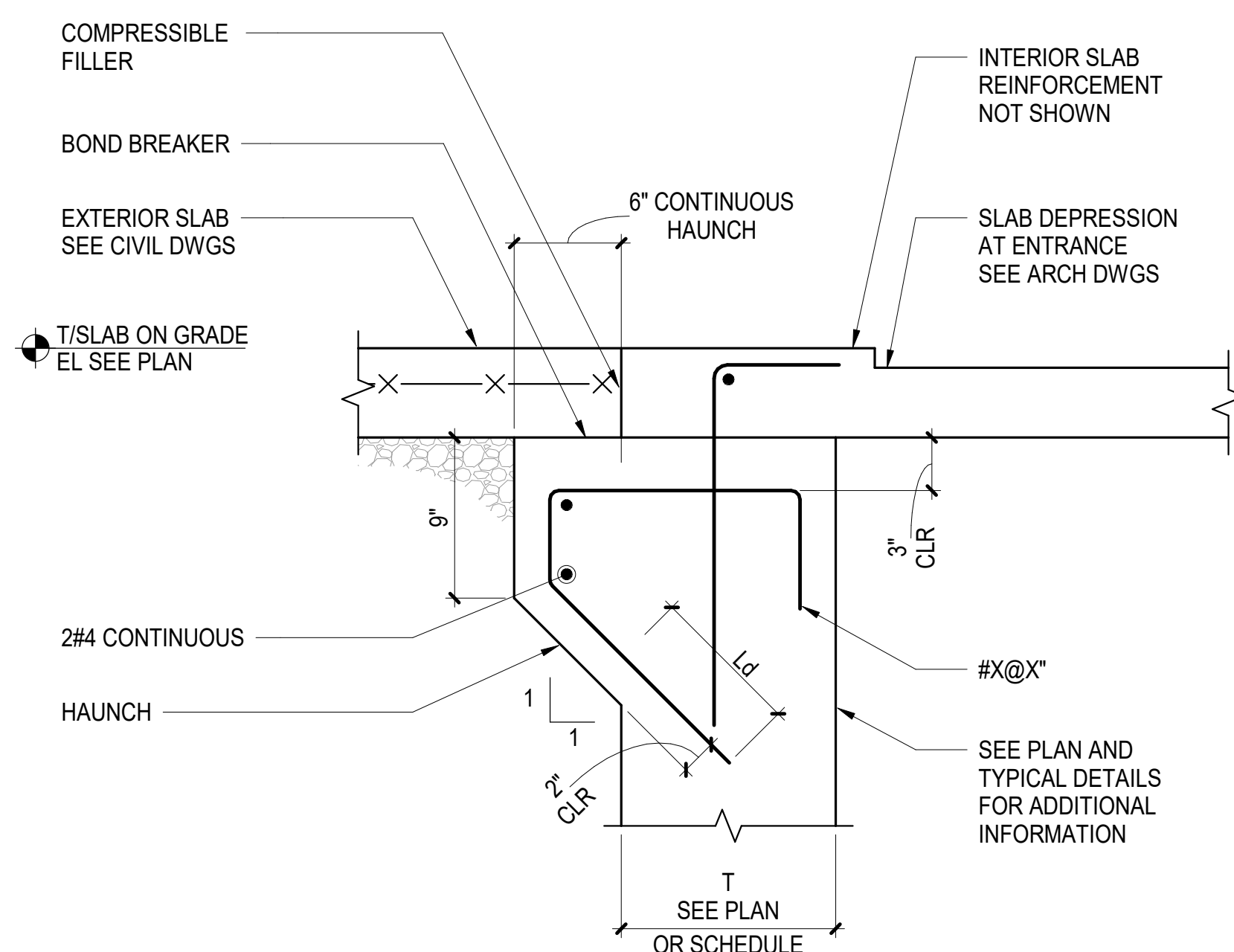
4 TYPICAL SECTION AT ENTRANCE
SCALE: NOT TO SCALE



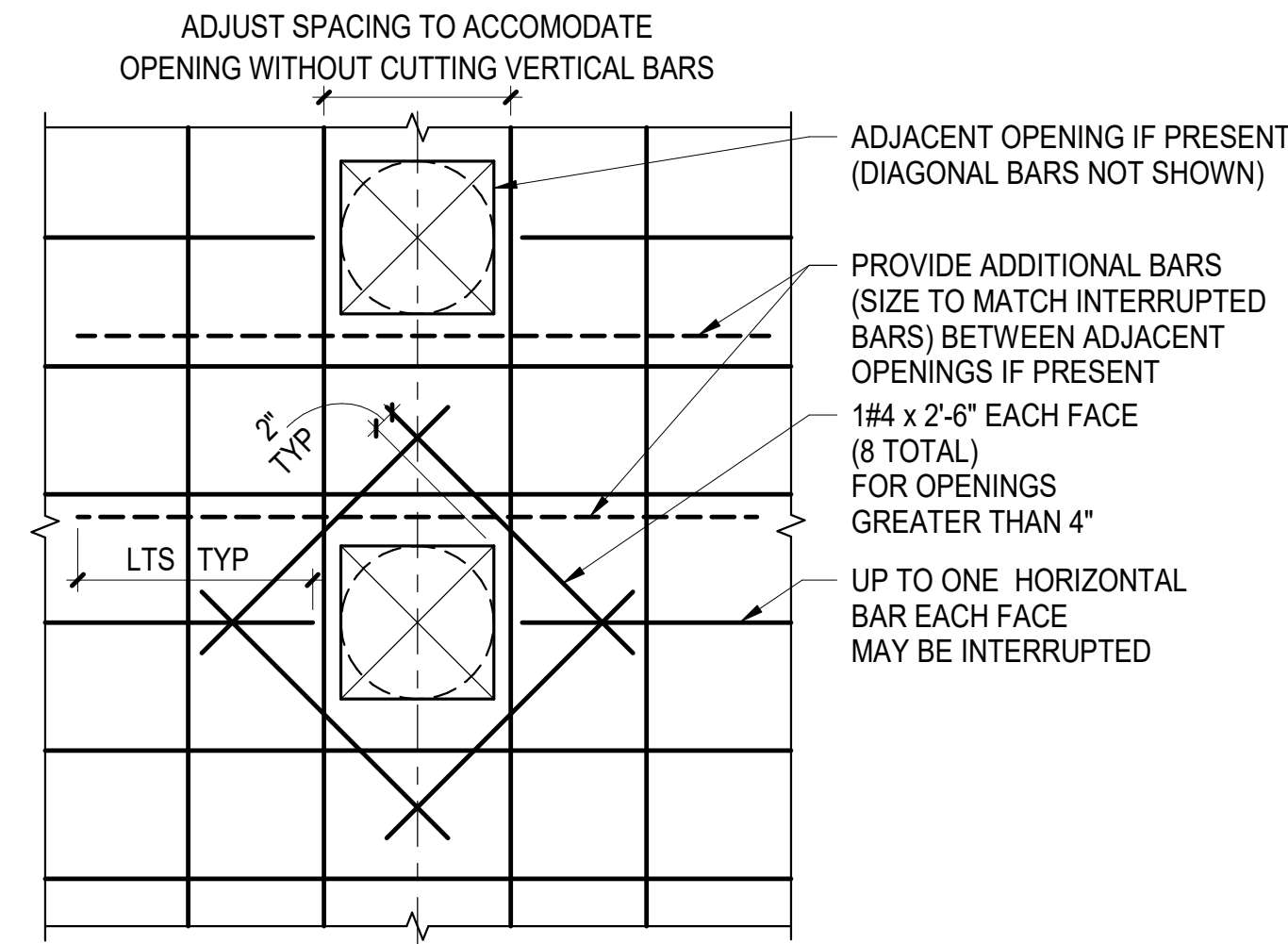
NOTES:

- SEE ARCHITECTURAL DOCUMENTS FOR WATERSTOP REQUIREMENTS
- SEE GENERAL NOTES FOR CONSTRUCTION JOINT MAXIMUM SPACING

2 TYPICAL VERTICAL CONSTRUCTION JOINT
IN CONCRETE WALL
NOT TO SCALE



5 TYPICAL SECTION AT ENTRANCE WITH HAUNCH
SCALE: NOT TO SCALE

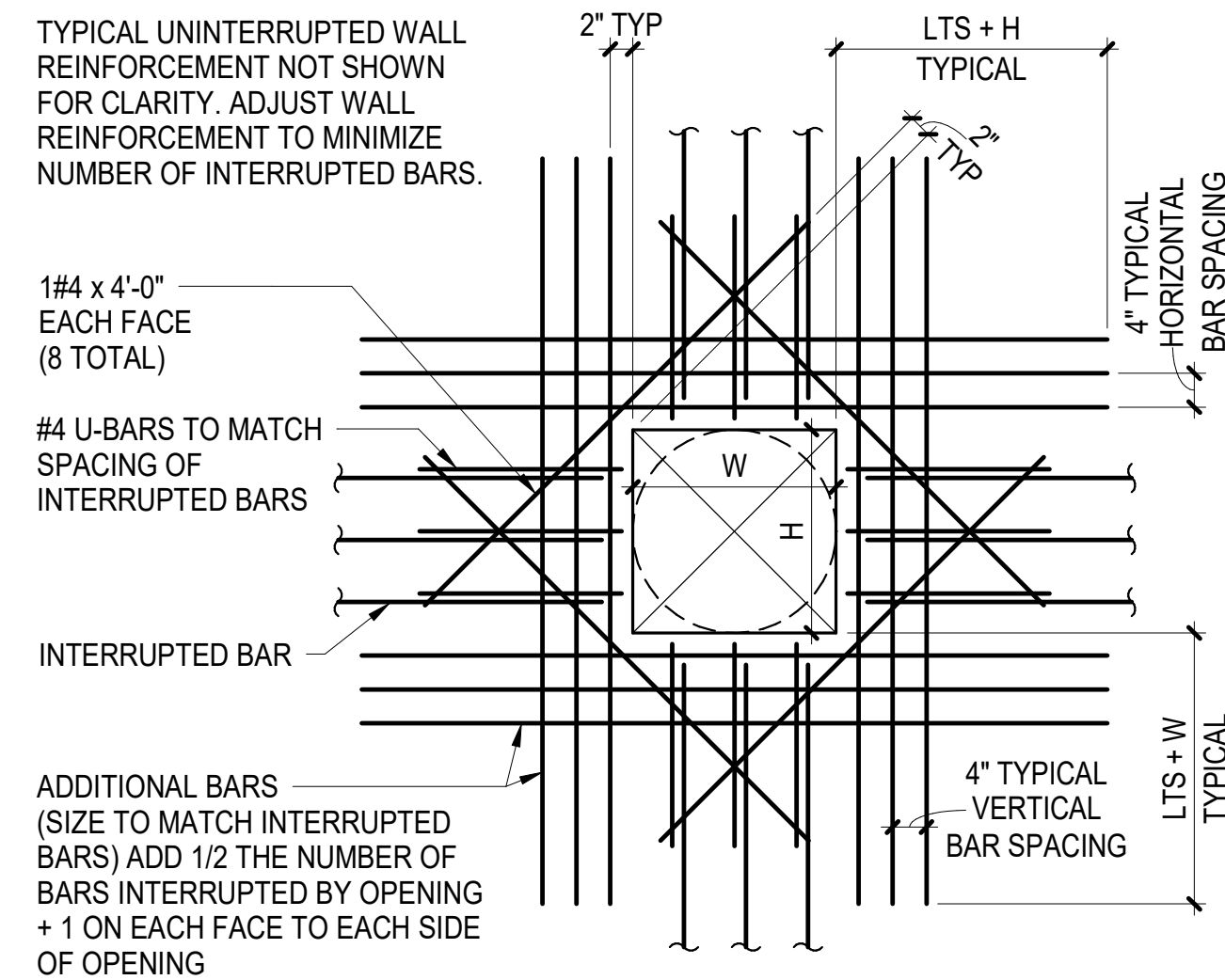


A OPENING LESS THAN 10"

NOTES:

- MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 2 TIMES MAXIMUM OPENING SIZE
- FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS, CONTRACTOR TO SUBMIT LOCATIONS AND SPACING TO STRUCTURAL ENGINEER FOR WRITTEN APPROVAL

3 TYPICAL WALL OPENING DETAILS
NOT TO SCALE



B OPENING 10" TO 30"

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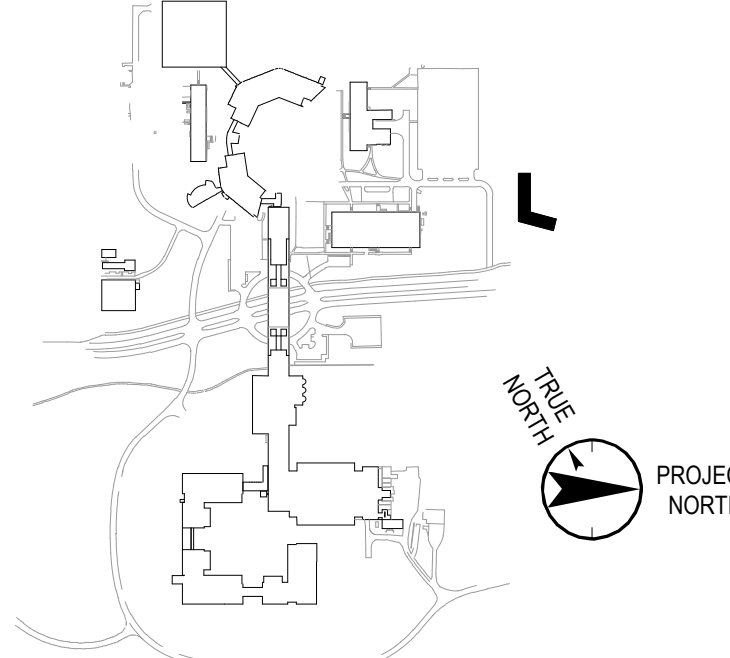
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Key Plan



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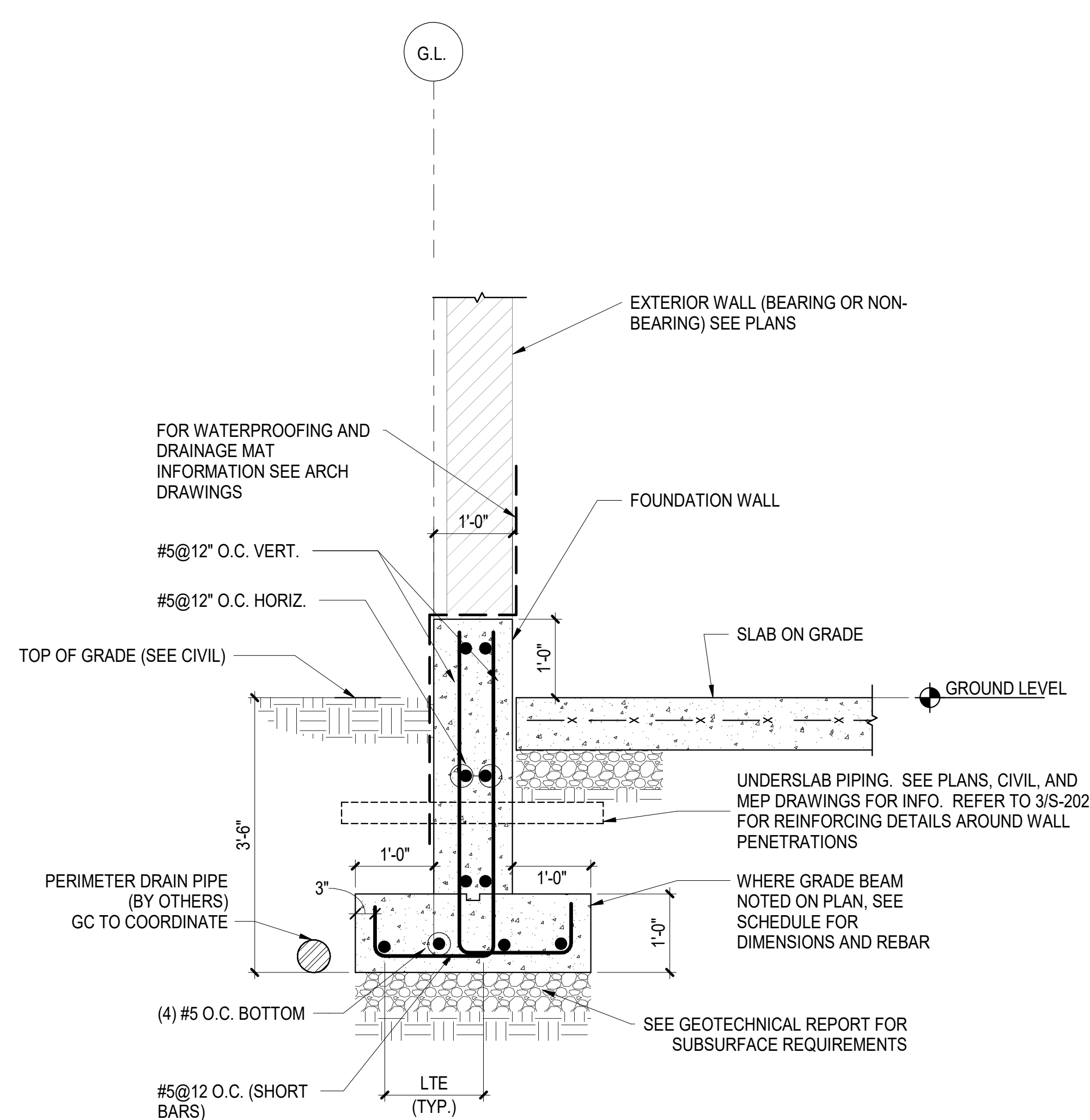
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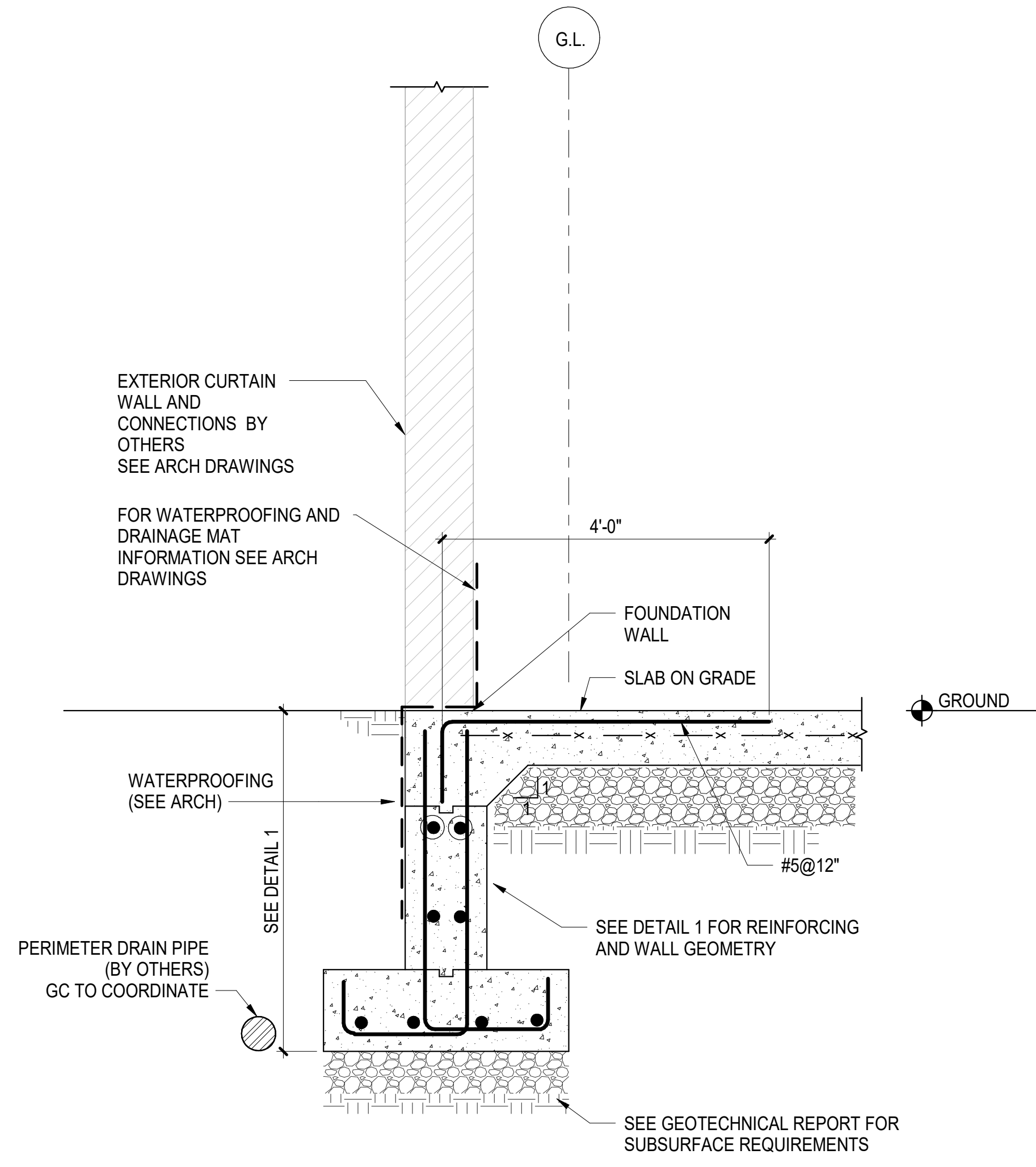
Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: Author
FOUNDATION SECTIONS AND
DETAILS

Scale: As indicated Floor:

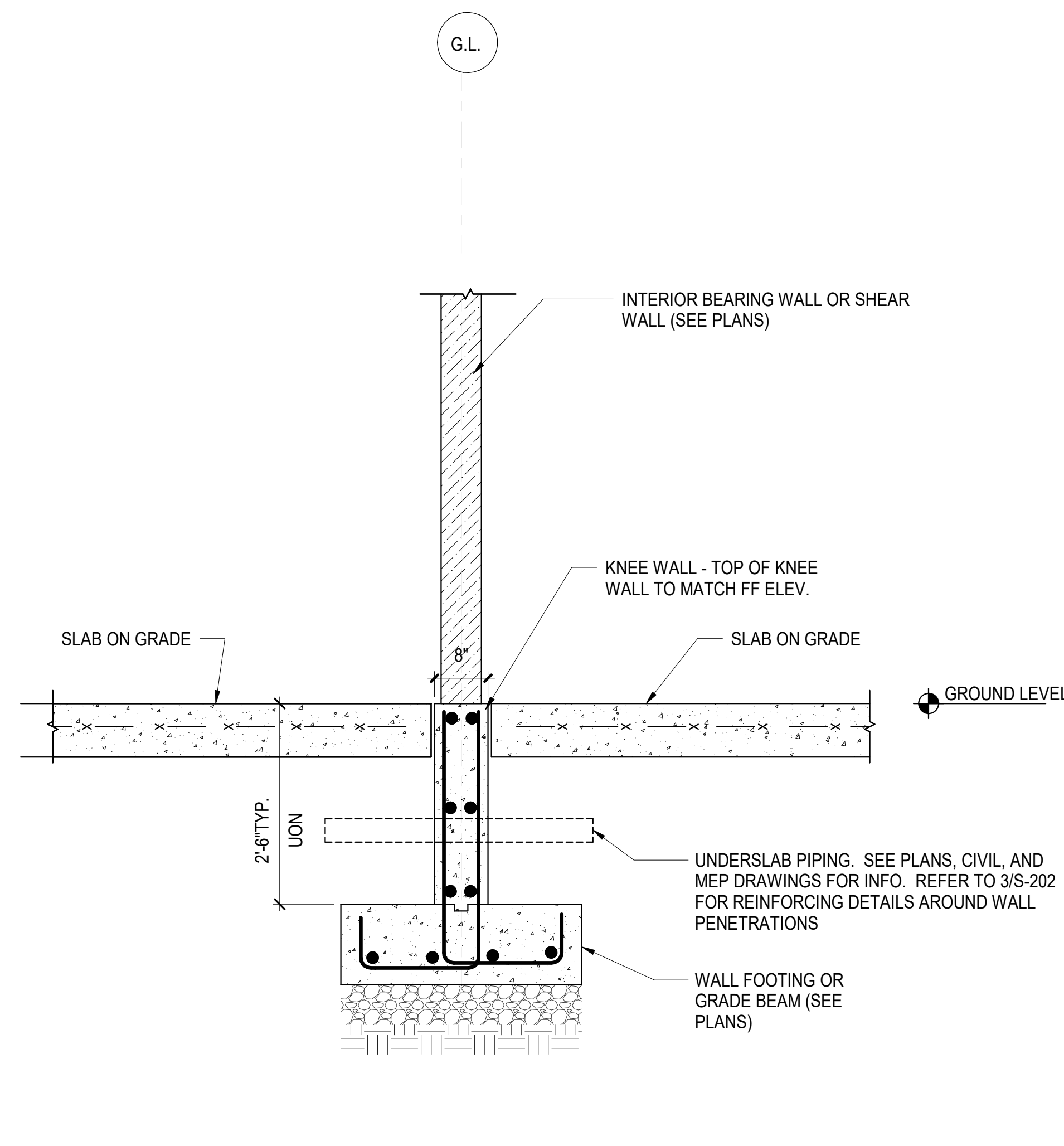
S-210



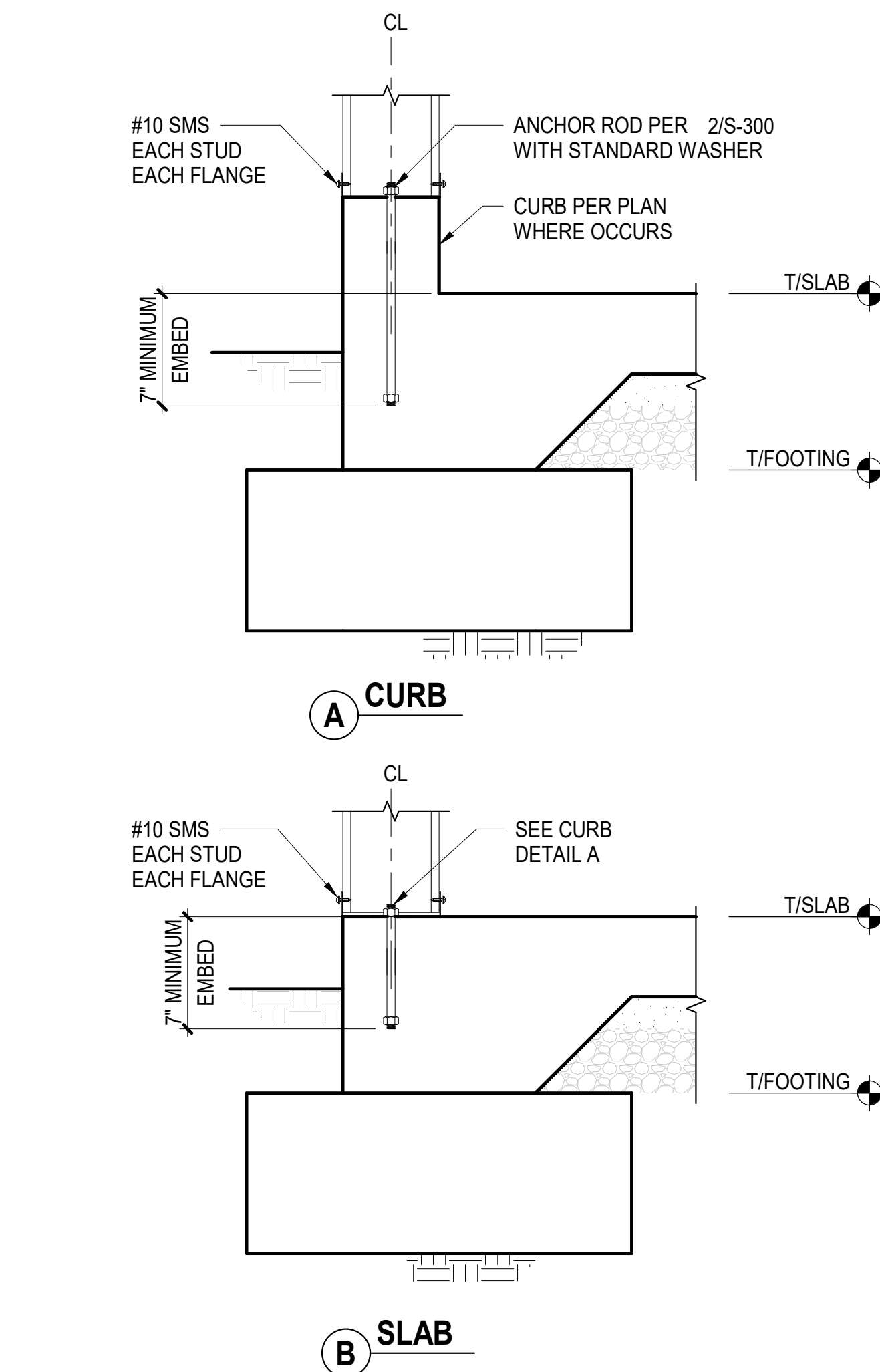
1 TYPICAL PERIMETER WALL
SCALE: 3/4" = 1'-0"



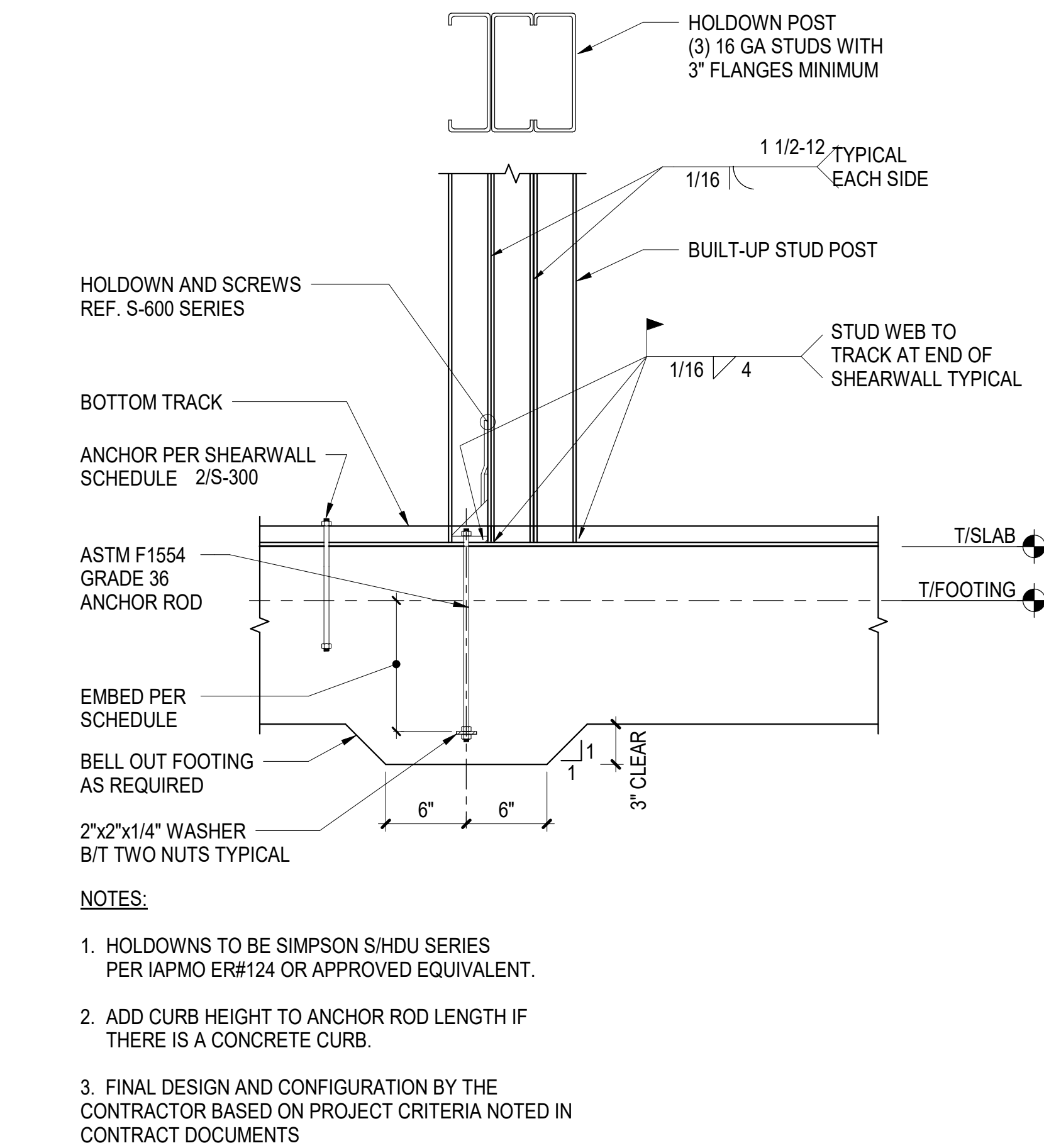
2 KNEE WALL AT DOORWAYS
SCALE: 3/4" = 1'-0"



3 TYPICAL INTERIOR BEARING/SHEAR WALL FOOTING
SCALE: 3/4" = 1'-0"



4 SILL ANCHOR AT EXTERIOR
SCALE: 1 1/2" = 1'-0"



5 HOLDOWN DETAIL
SCALE: 1" = 1'-0"



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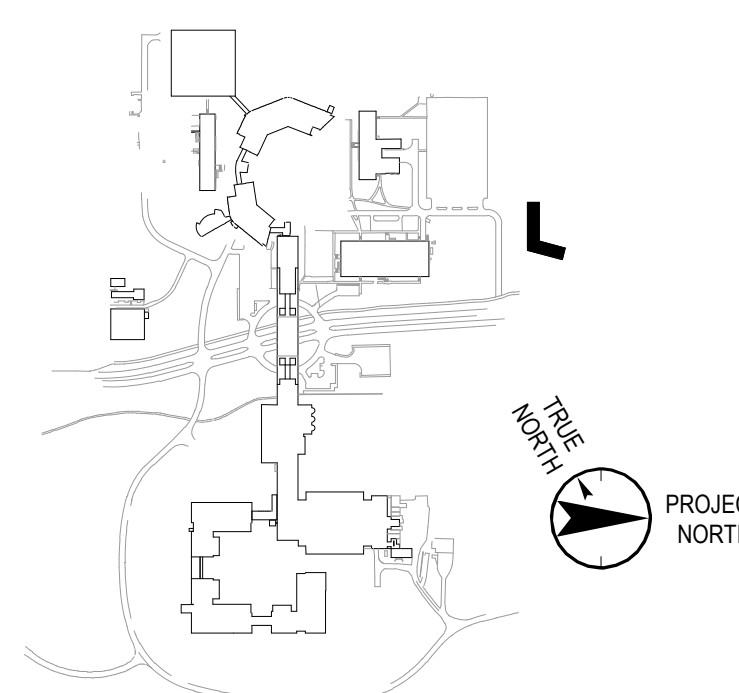
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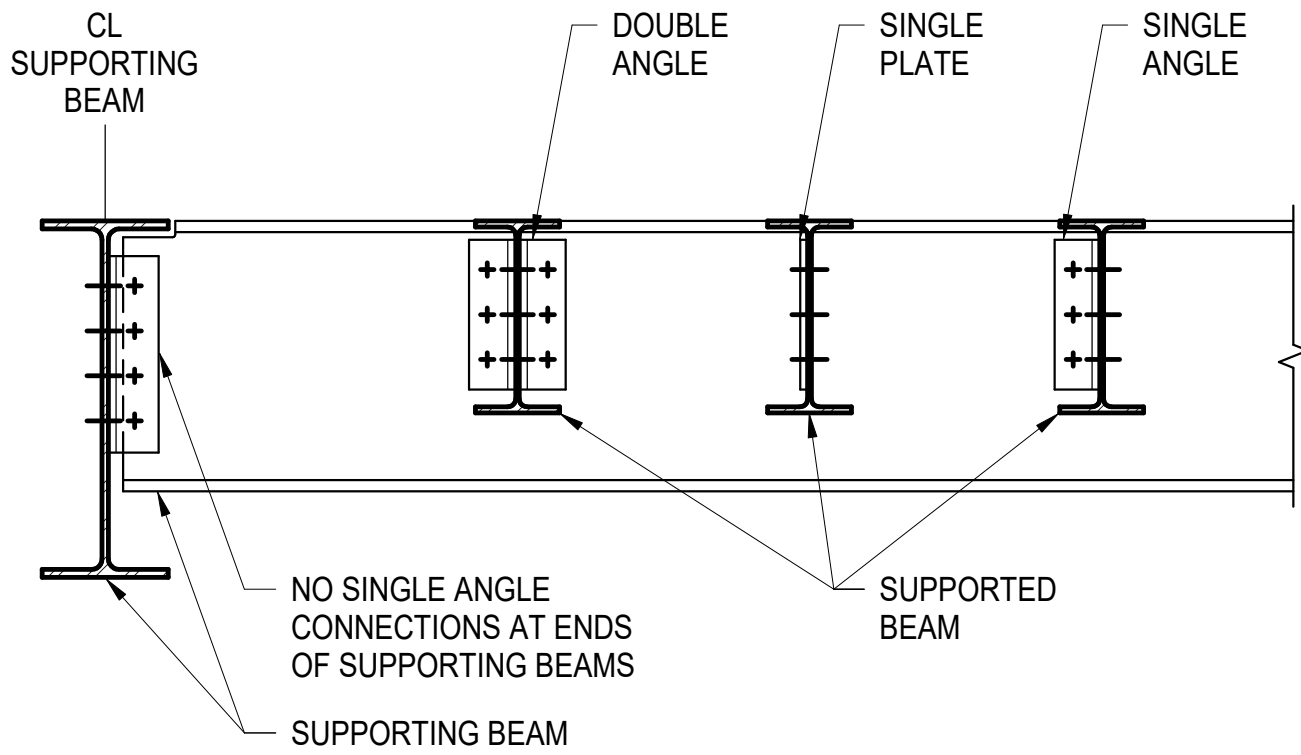
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TYPICAL BEAM DETAILS

Scale: As indicated Floor:

S-501

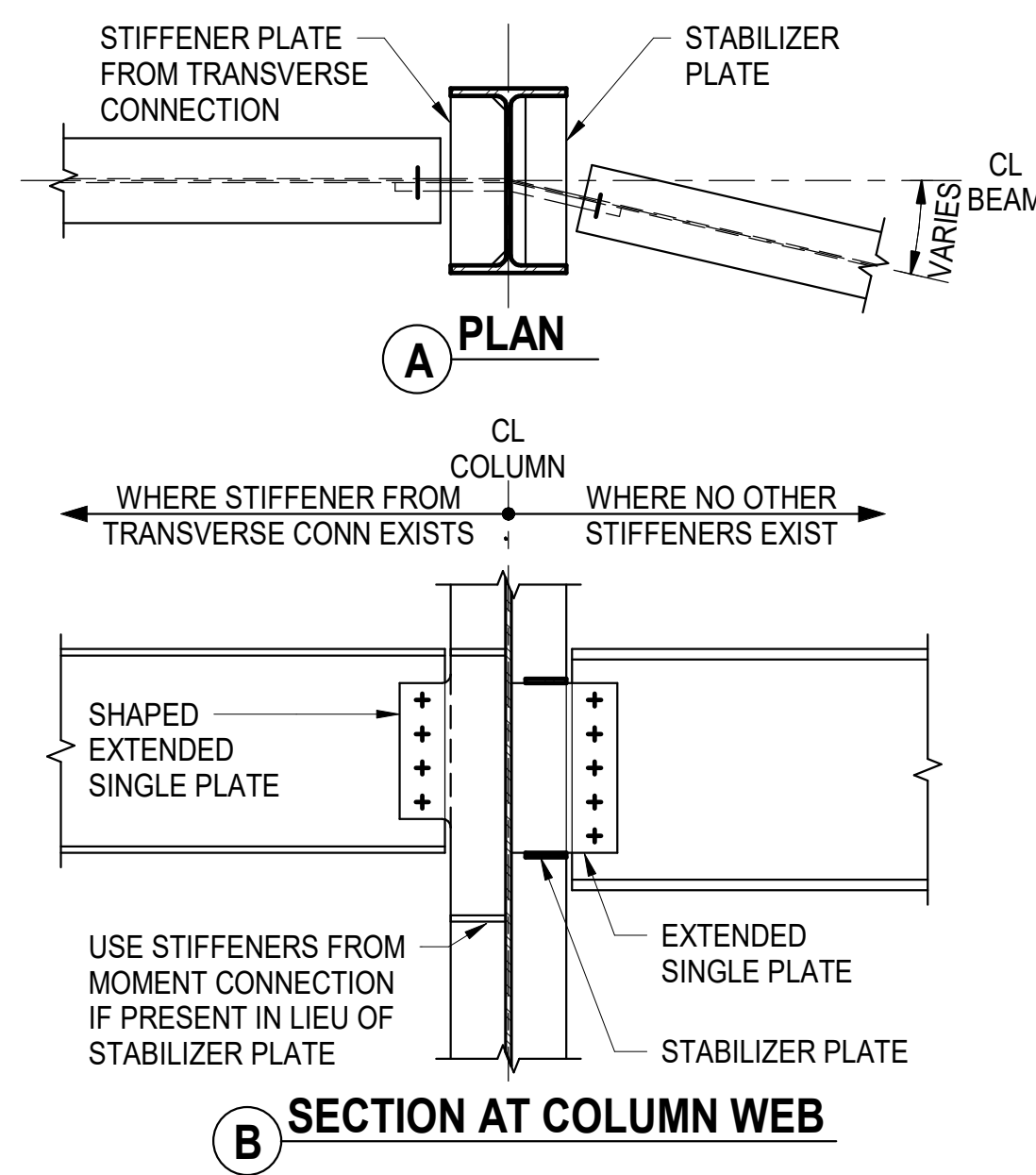


NOTES:

- SUPPORTED BEAMS PRIMARILY SUPPORT DISTRIBUTED LOADS FROM SLABS OR DECKING
- SUPPORTING BEAMS SUPPORT SIGNIFICANT POINT LOADS FROM ONE OR MORE SUPPORTED BEAMS OR FROM COLUMNS BEING TRANSFERRED. SUPPORTING BEAMS MAY BE SUPPORTED BY COLUMNS OR BY OTHER SUPPORTING BEAMS
- FOR SHEAR CONNECTIONS AT SUPPORTED BEAM ENDS, DOUBLE ANGLE, SINGLE PLATE OR SINGLE ANGLE MAY BE USED UNLESS OTHERWISE NOTED
- SEE TYPICAL STEEL BEAM SHEAR CONNECTIONS FOR INFORMATION NOT SHOWN

1 TYPICAL BEAM TO BEAM SHEAR CONNECTION (3 TYPES)

NOT TO SCALE

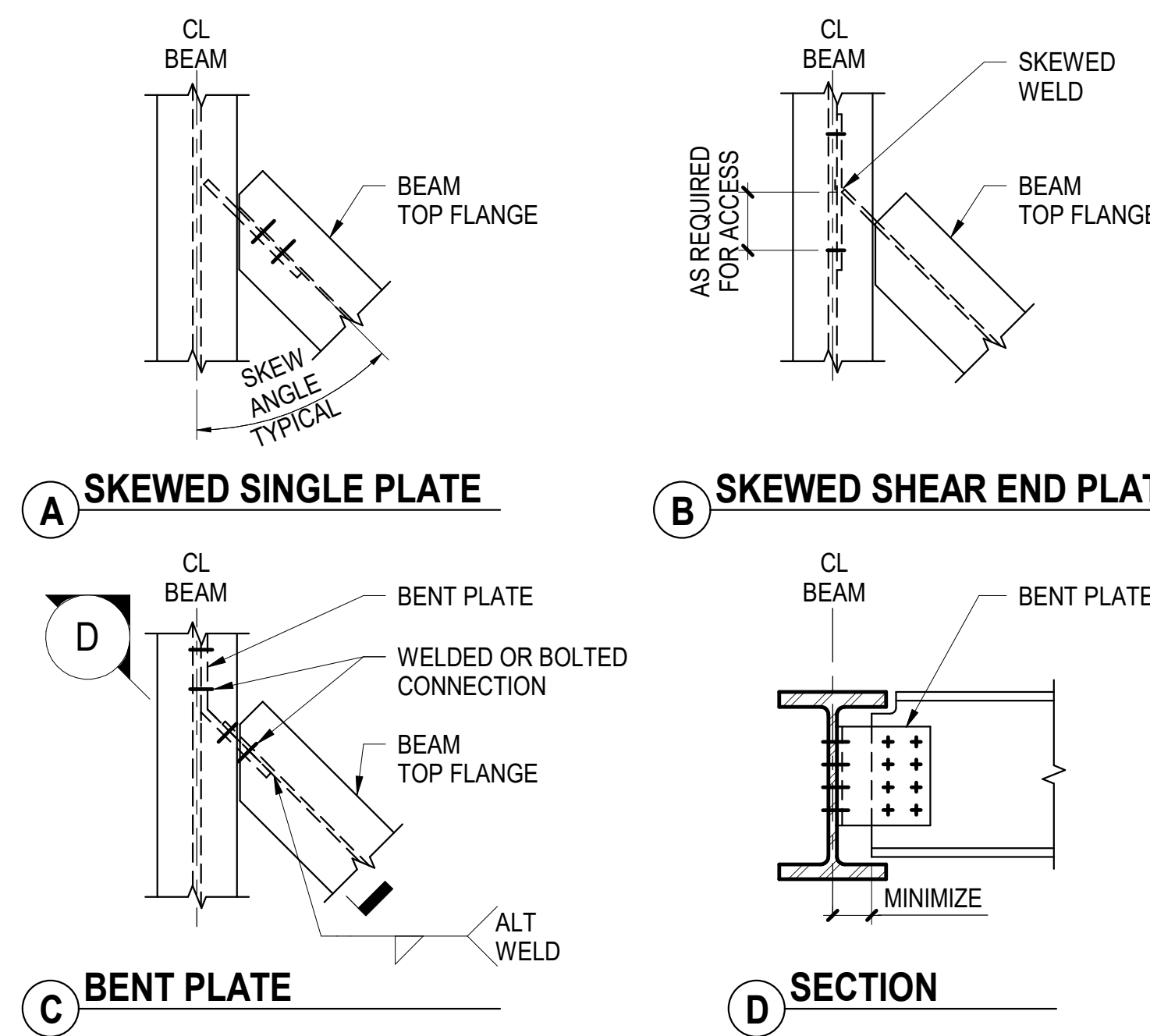


NOTES:

- SEE TYPICAL STEEL BEAM SHEAR CONNECTIONS FOR INFORMATION NOT SHOWN

2 TYPICAL EXTENDED SINGLE PLATE BEAM TO COLUMN WEB SHEAR CONNECTION

NOT TO SCALE

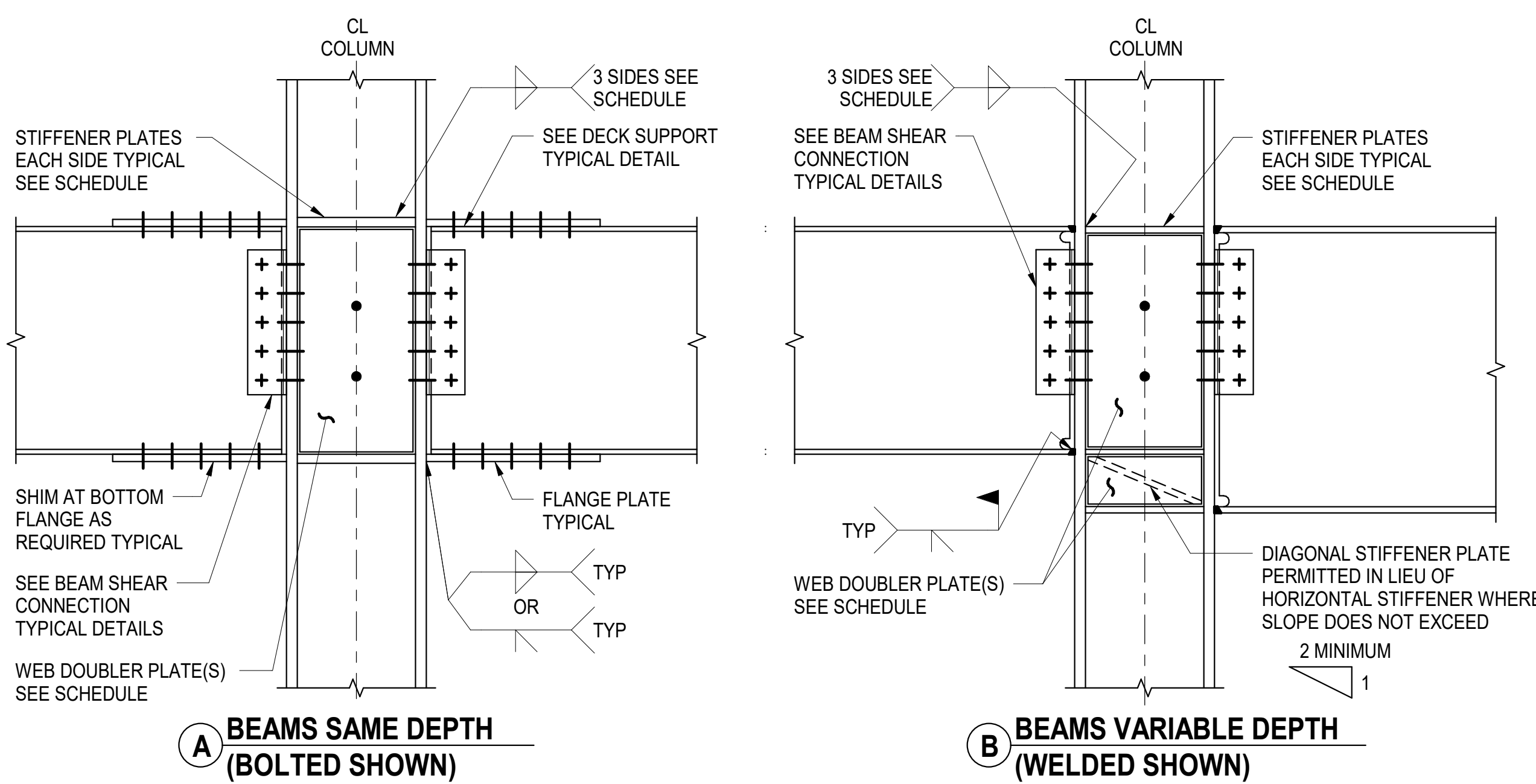


NOTES:

- SEE TYPICAL STEEL BEAM SHEAR CONNECTIONS FOR ADDITIONAL INFORMATION FOR DETAIL A
- DETAILS B AND C ARE CONCEPTUAL (NOT COMPLETELY DESIGNED) AND ARE INTENDED FOR FRAMING CONDITIONS OUTSIDE THE LIMITS OF COMPLETELY DESIGNED TYPICAL STEEL BEAM SHEAR CONNECTIONS IN THESE DRAWINGS

3 TYPICAL SKEWED BEAM SHEAR CONNECTION

NOT TO SCALE

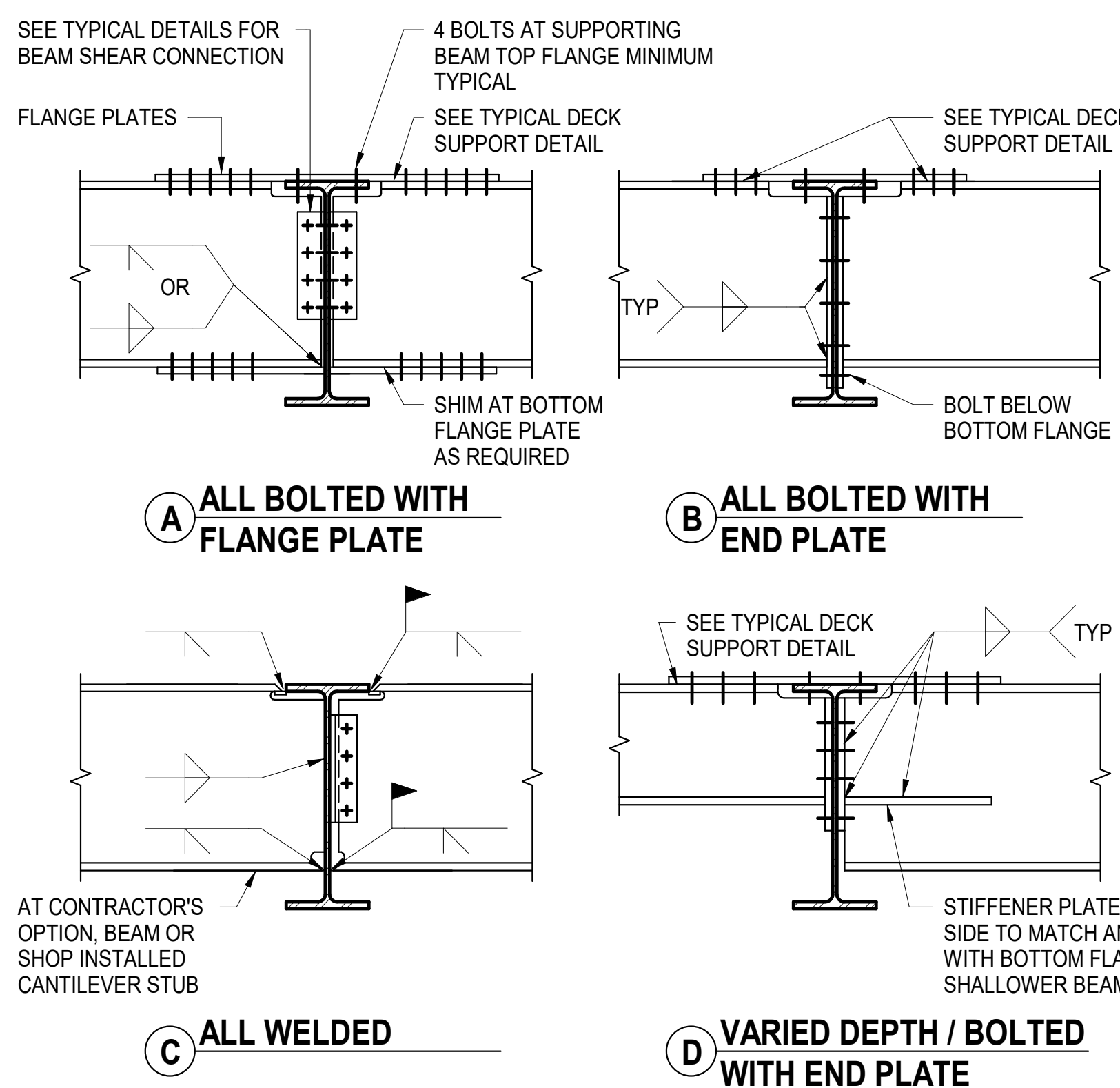


NOTES:

- ALL BOLTED MOMENT AND AXIAL CONNECTIONS AT A MINIMUM SHALL HAVE PRETENSIONED BOLTS IN STANDARD HOLES AT FLANGES AND WEBS UNLESS OTHERWISE NOTED
- BOLTED MOMENT CONNECTIONS AT CANTILEVERS AND BACKSPANS SHALL USE SLIP CRITICAL BOLTS
- AT CONTRACTOR'S OPTION, WEB DOUBLER PLATES CAN TERMINATE OUTSIDE STIFFENER PLATE. CONTRACTOR'S ENGINEER MUST FULLY DESIGN THE CONNECTION

4 TYPICAL BEAM TO COLUMN FLANGE MOMENT CONNECTION - BOLTED/WELDED

NOT TO SCALE



NOTES:

- ALL BOLTED MOMENT AND AXIAL CONNECTIONS AT A MINIMUM SHALL HAVE PRETENSIONED BOLTS IN STANDARD HOLES AT FLANGES AND WEBS UNLESS OTHERWISE NOTED
- BOLTED MOMENT CONNECTIONS AT CANTILEVERS AND BACKSPANS SHALL USE SLIP CRITICAL BOLTS

6 TYPICAL BEAM TO BEAM MOMENT CONNECTION

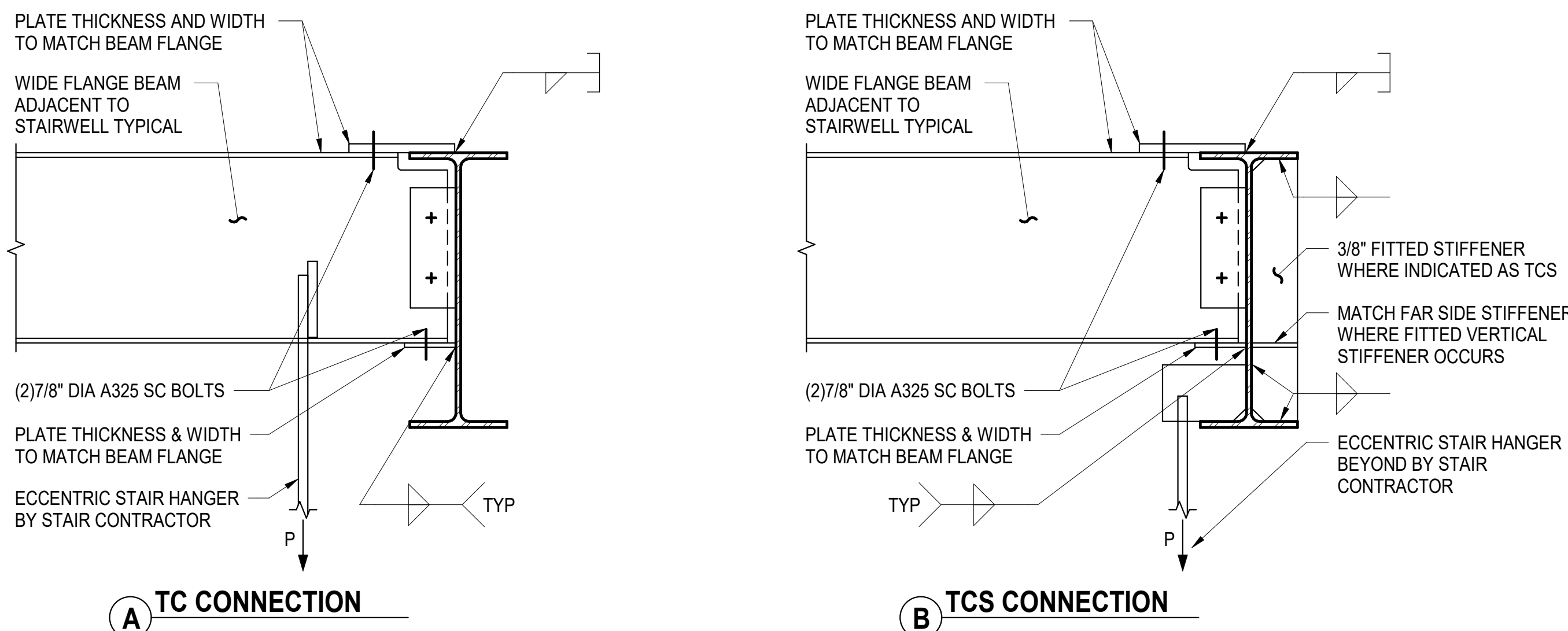
NOT TO SCALE

7 TYPICAL FULL HEIGHT FITTED STIFFENER AT EDGE BEAM OR BRACED BEAM CONNECTION

SCALE: NOT TO SCALE

5 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION - BOLTED / WELDED

NOT TO SCALE



NOTES:

- SEE TYPICAL PLAN DETAILS FOR STAIRWELLS
- SUBMIT SHOP DRAWINGS THAT SHOW THE MAGNITUDES, DIRECTIONS, LOCATIONS, AND CONNECTION CONDITIONS OF ALL LOADS IMPOSED ON THE SUPPORTING STRUCTURE BY STAIR CONTRACTOR

8 TYPICAL TORSIONAL CONNECTION AT STAIRWELL / TC AND TCS LOCATIONS

SCALE: NOT TO SCALE

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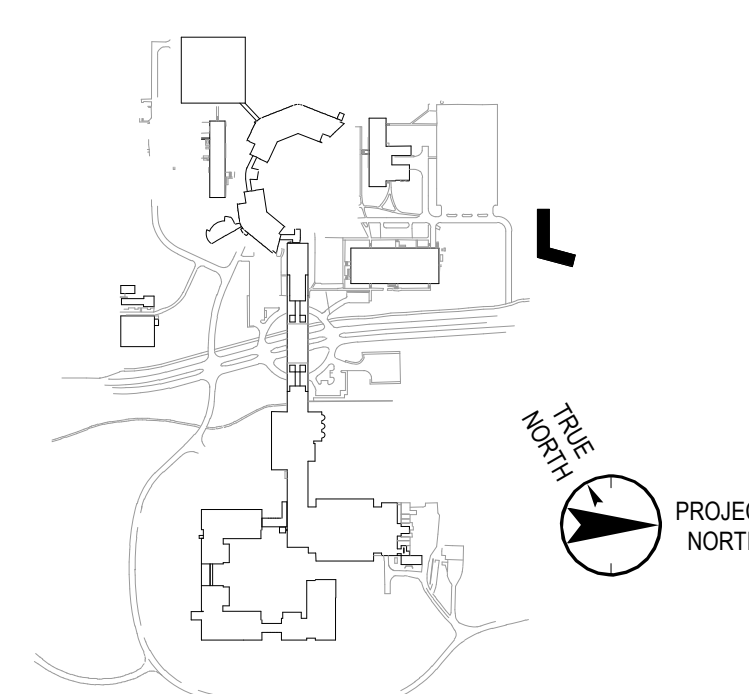
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Key Plan



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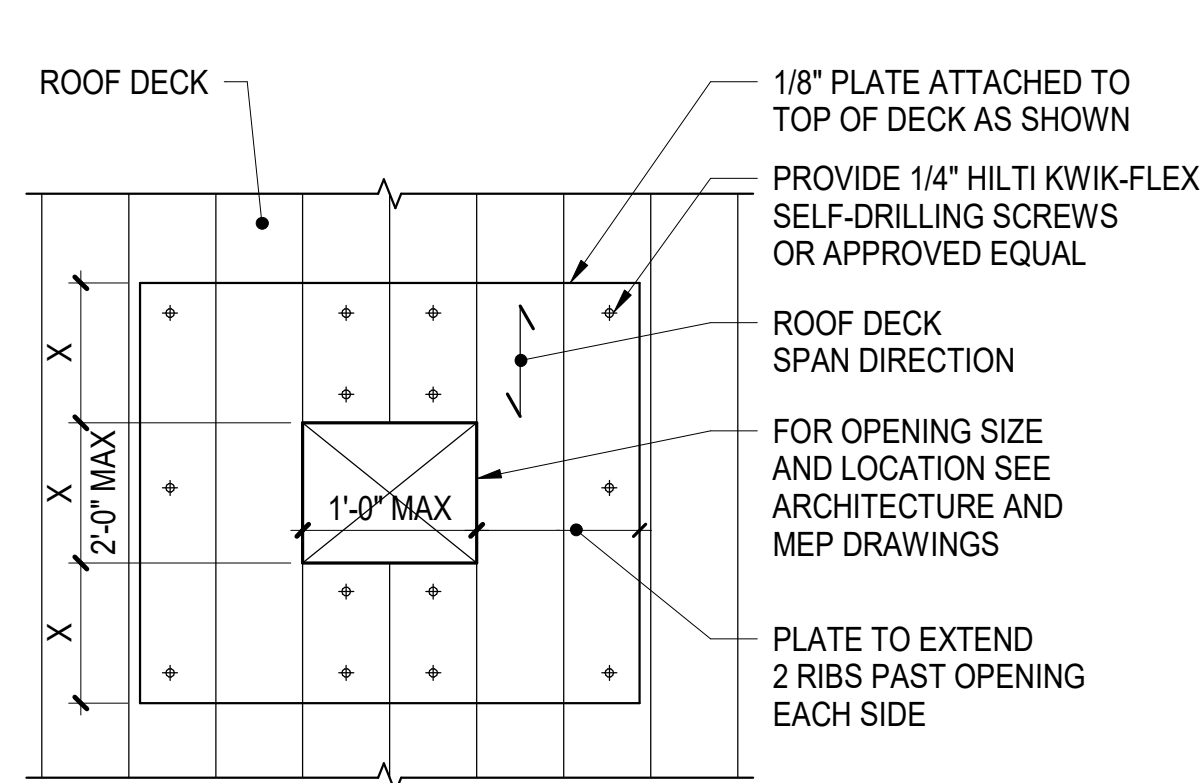
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Discipline: Drawn By: Author
TYPICAL SUPERSTRUCTURE
DETAILS

Scale: As indicated Floor:

S-502



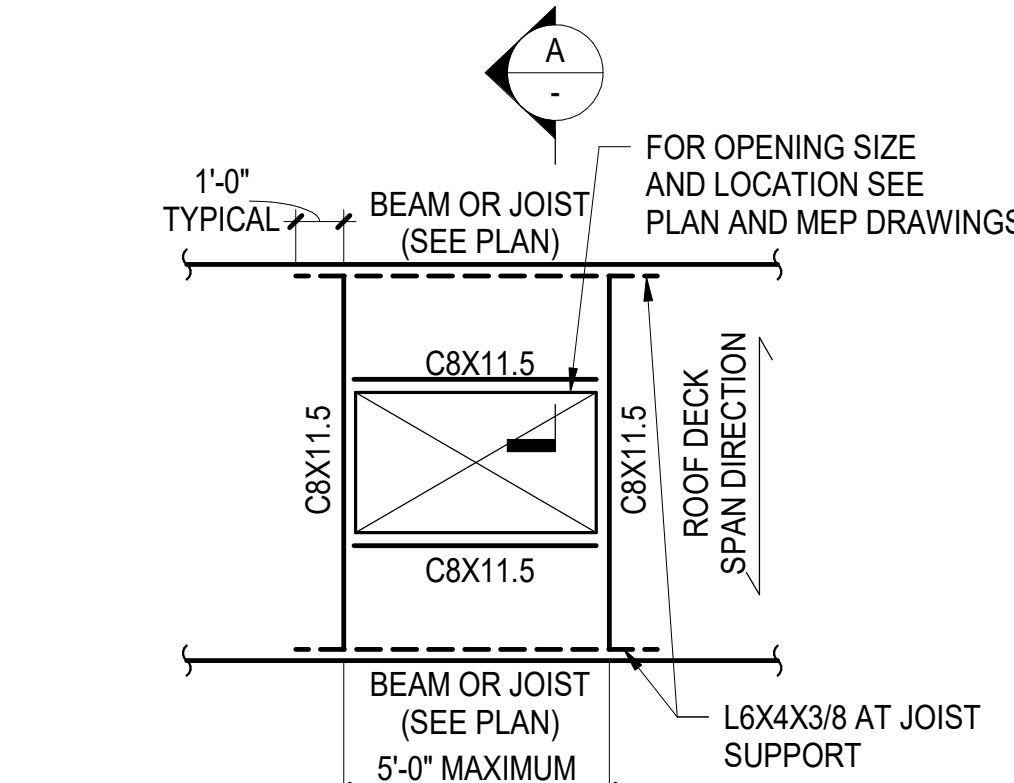
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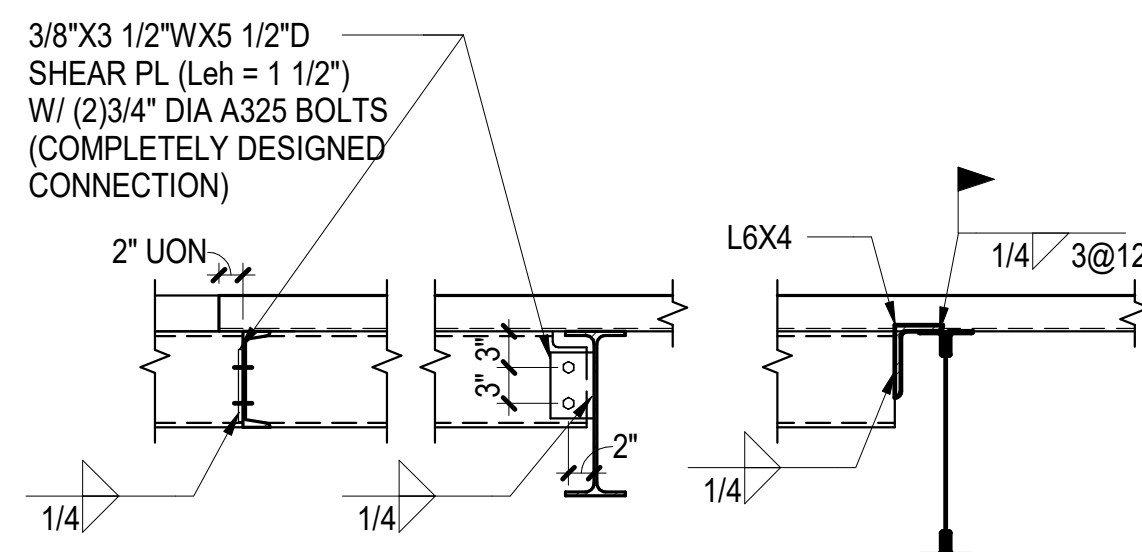
- FOR EDGE OVERHANG GREATER THAN 2" SEE TYPICAL ROOF DECK AT EDGE
- NO REINFORCEMENT REQUIRED IF OPENING IS 6"x6" OR SMALLER PROVIDED ONLY ONE RIB IS INTERRUPTED
- CLUSTERED OPENINGS WITH CLEAR SPACE LESS THAN 1'-0" SHALL BE TREATED AS ONE LARGE OPENING AND PROVIDE THE REINFORCEMENT OR CHANNEL FRAMING AS PER DETAIL ABOVE
- ATTACH DECK TO CHANNELS TYPICAL
- TYPE D SHALL NOT BE USED TO SUPPORT MECHANICAL EQUIPMENT
- TYPE F FRAMING SHALL BE COORDINATED WITH EQUIPMENT SUPPORT FRAMING

1 TYPICAL ROOF DECK AT OPENING

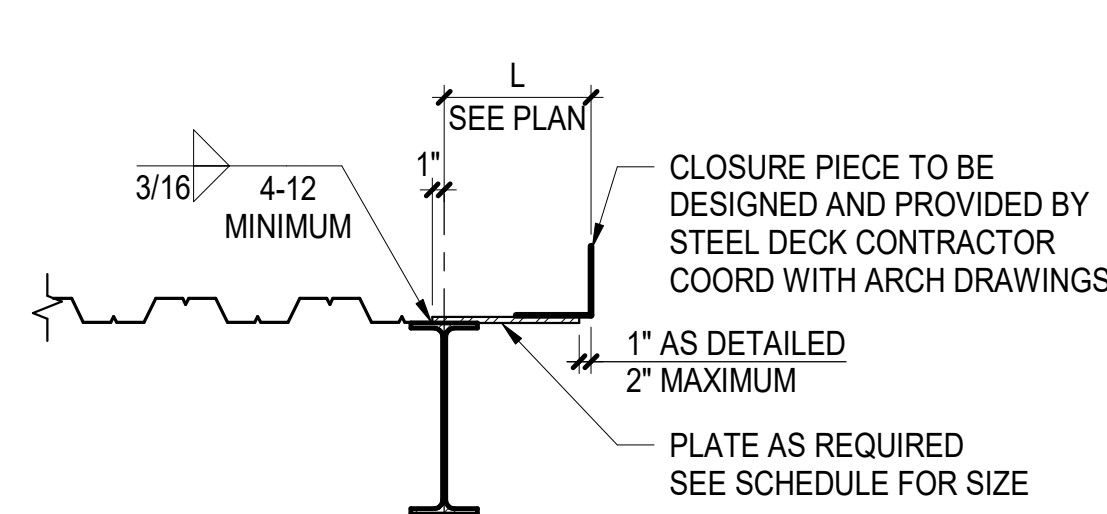
SCALE: NOT TO SCALE



F TYPE F



A SECTION
AT BEAM SUPPORT AT JOIST SUPPORT



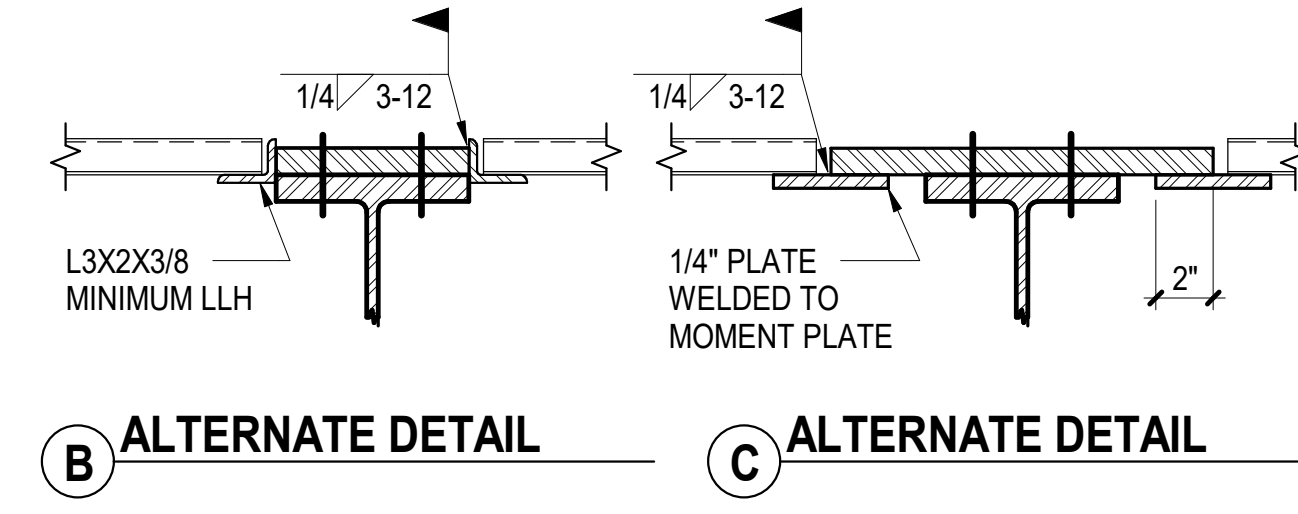
L	THICKNESS OF PLATE OR CLOSURE
≤ 1'-4"	1/4"
≤ 1'-0"	10 GAGE
≤ 0'-10"	12 GAGE

NOTES:

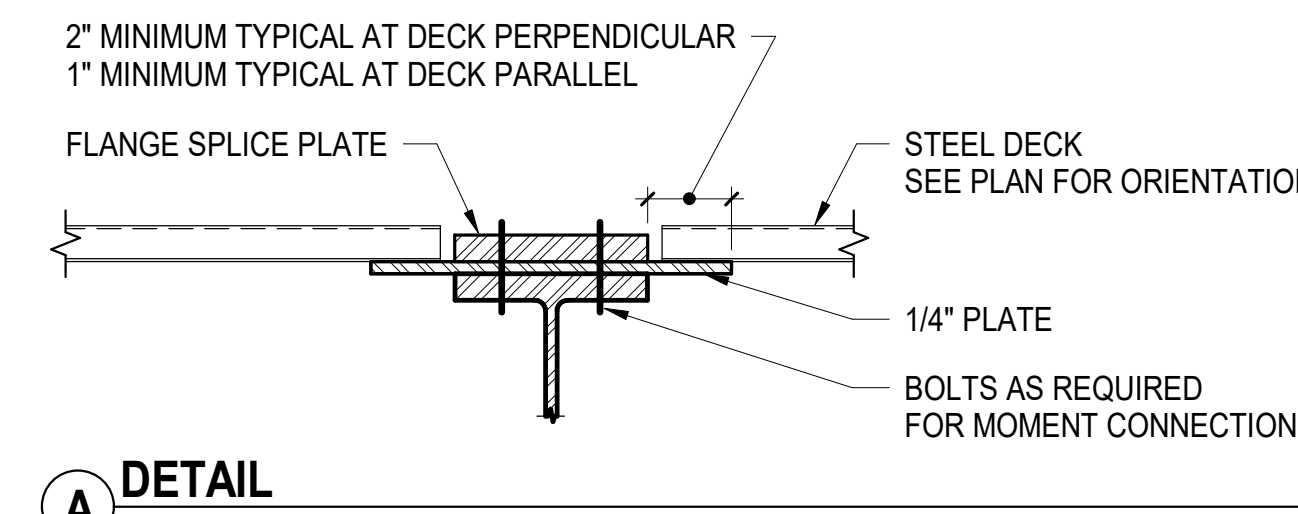
- AT CONTRACTOR'S OPTION SINGLE BENT PLATE (OR EQUIV ANGLE) MAY BE USED PROVIDED IT IS FIELD INSTALLED AND ACCOMMODATES SLAB EDGE TOLERANCES

2 TYPICAL ROOF DECK AT EDGE

SCALE: NOT TO SCALE



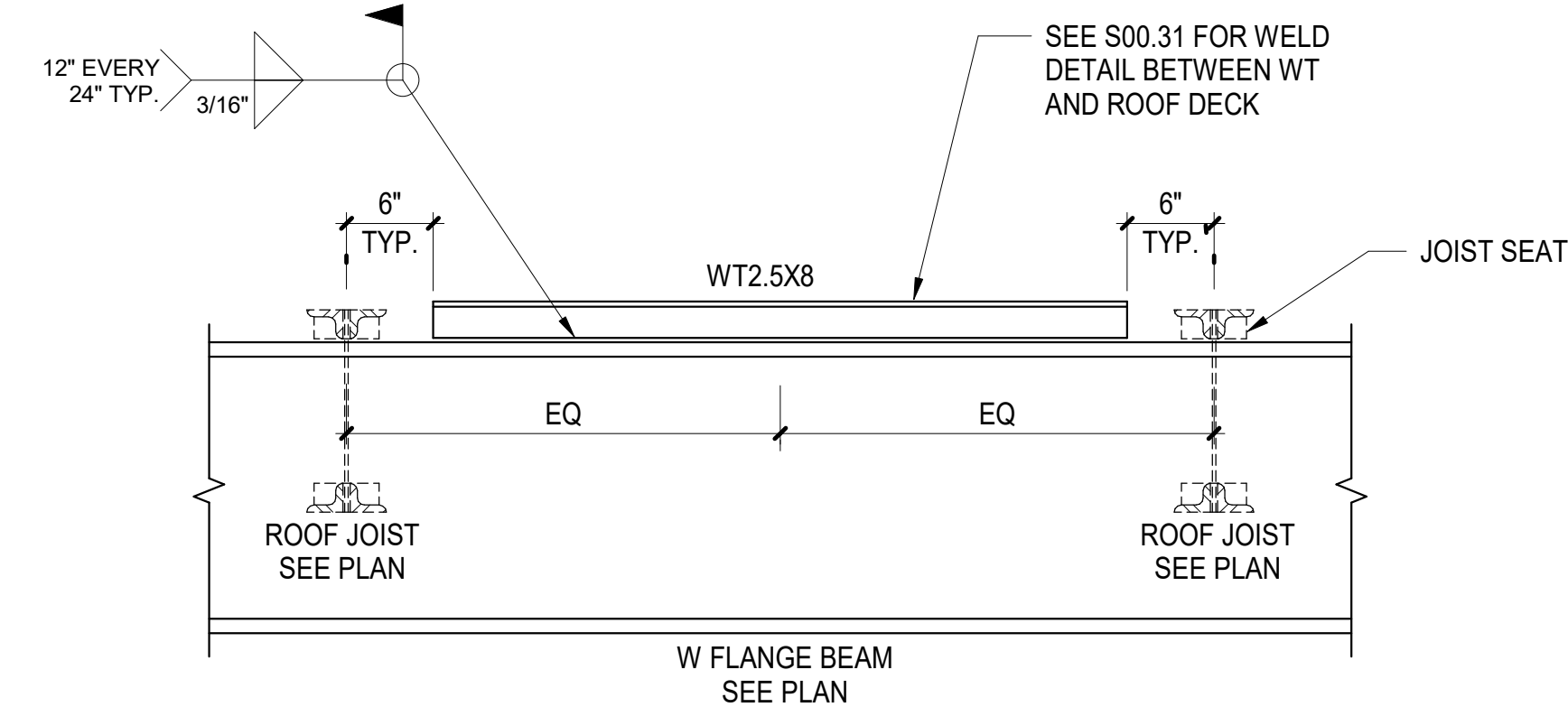
C ALTERNATE DETAIL
ALTERNATE DETAIL



A DETAIL

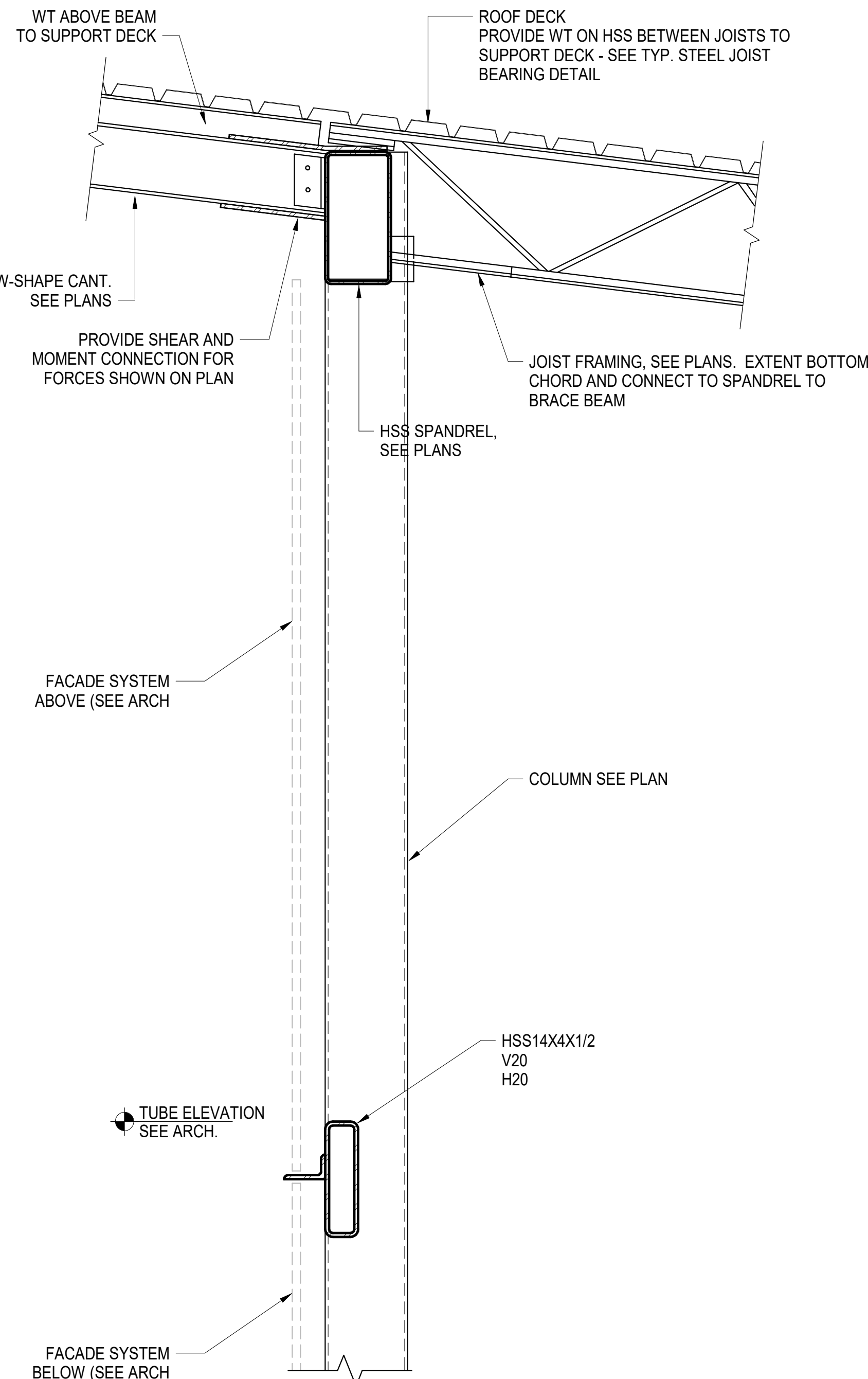
3 TYPICAL DECK SUPPORT AT MOMENT CONNECTION

SCALE: NOT TO SCALE



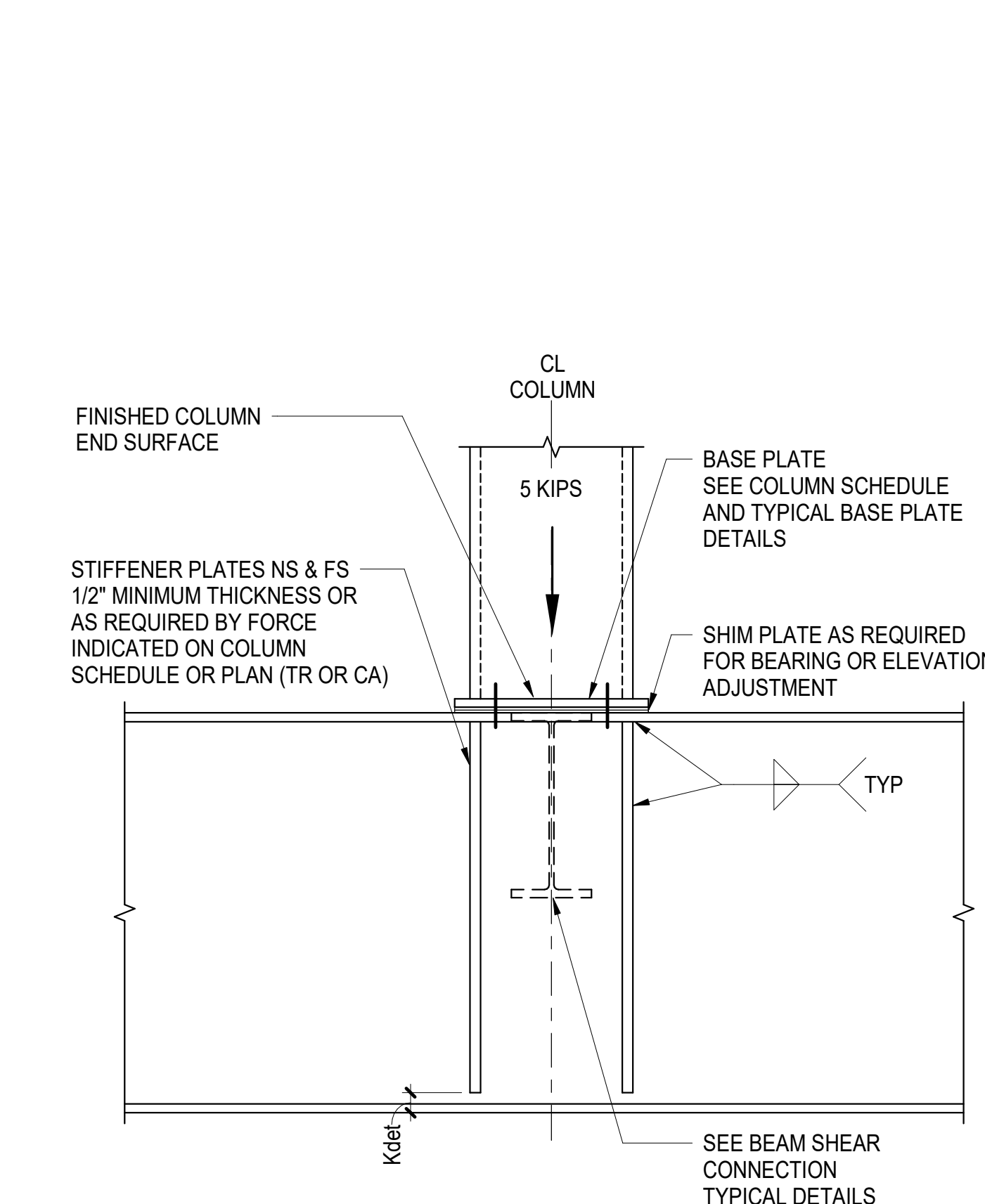
4 TYPICAL CONNECTION OF WT WITH WIDE FLANGE BEAM WITH JOISTS PERPENDICULAR

SCALE: 1" = 1'-0"

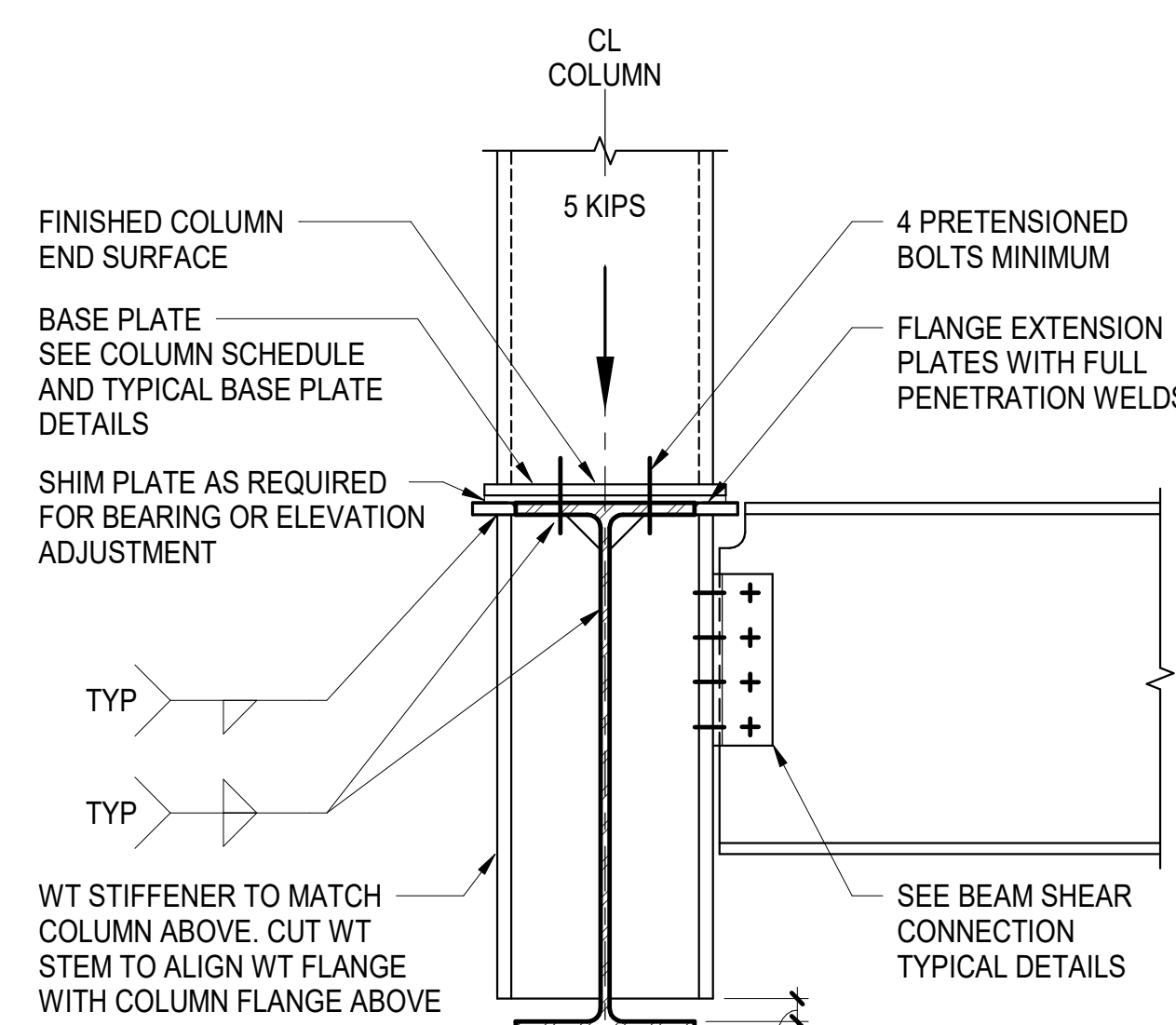


5 TYPICAL SUPPORT OF STEEL DECK INCLINED OVER BEAM

SCALE: NOT TO SCALE



A COLUMN WEB PARALLEL TO BEAM WEB



B COLUMN WEB PERPENDICULAR TO BEAM WEB

8 TYPICAL COLUMN BEARING ON BEAM (COMPRESSION ONLY)

SCALE: NOT TO SCALE

NOTE: SEE TYPICAL DETAIL FOR SUPPORT AT INCLINED BEAM FOR ADD'L INFORMATION

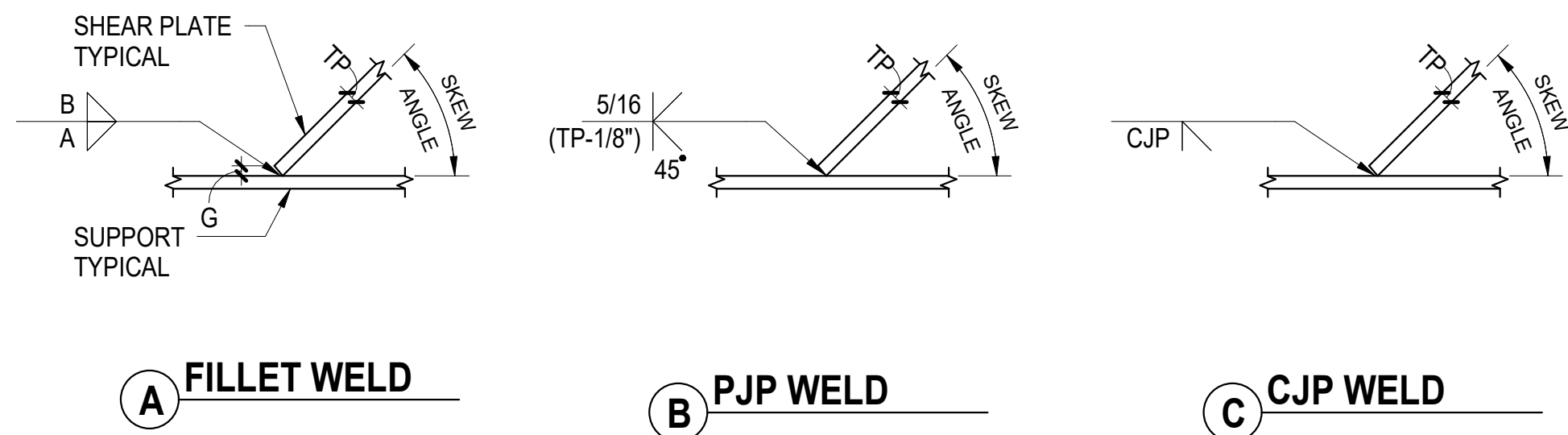
7 SECTION THROUGH GRID E.1 AT ROOF OVERHANG

SCALE: 1" = 1'-0"

P:\E-BM-360-000-3608-000-Regeneron_Day_Care_Facility_Tarrytown\2020\20-Regeneron_Day_Care_Facility.dgn (PLOTTED ON:09/13/18)

NOTES:

- ALL SHEAR CONNECTIONS PROVIDED ON THIS SHEET ARE COMPLETELY DESIGNED REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL REQUIREMENTS
- ALL CONNECTION CAPACITIES PROVIDED IN SCHEDULES ARE STRENGTH LEVEL PER AISI-LOAD AND RESISTANCE FACTOR DESIGN. SELECT CONNECTION CAPACITY BASED ON FACTORED SHEAR REACTIONS SHOWN ON PLAN AND REQUIREMENTS OF DETAILS.
- SINGLE PLATE, SINGLE ANGLE, OR DOUBLE ANGLE SHEAR ONLY CONNECTIONS MAY BE USED AT THE CONTRACTOR'S OPTION UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS
- ALL CONNECTIONS SHOWN ARE DESIGNED UTILIZING BOLTS INDICATED
- THE FOLLOWING MINIMUM BOLT EDGE DISTANCES AND SPACING SHALL BE USED:
HORIZONTAL EDGE DISTANCE = 2 x BOLT DIAMETER
VERTICAL EDGE DISTANCE = 1-1/2"
SPACING = 3"
- ALL CONNECTIONS SHOWN ARE DESIGNED UTILIZING PLATE MATERIAL CONFORMING TO ASTM A572 OR A529 GRADE 50
- PROVIDE STANDARD HOLES IN BEAM. STANDARD OR HORIZONTAL SHORT SLOTTED HOLES ARE PERMITTED IN THE SINGLE PLATE
- TYPICAL SINGLE PLATE SHEAR CONNECTION DETAILS SHOWN ARE FOR PERPENDICULAR FRAMING CONDITIONS. AT SKEWED FRAMING CONDITIONS, PROVIDE WELDS AS INDICATED IN TYPICAL SKEWED SINGLE PLATE WELD DETAILS.



A FILLET WELD

B PJP WELD

C CJP WELD

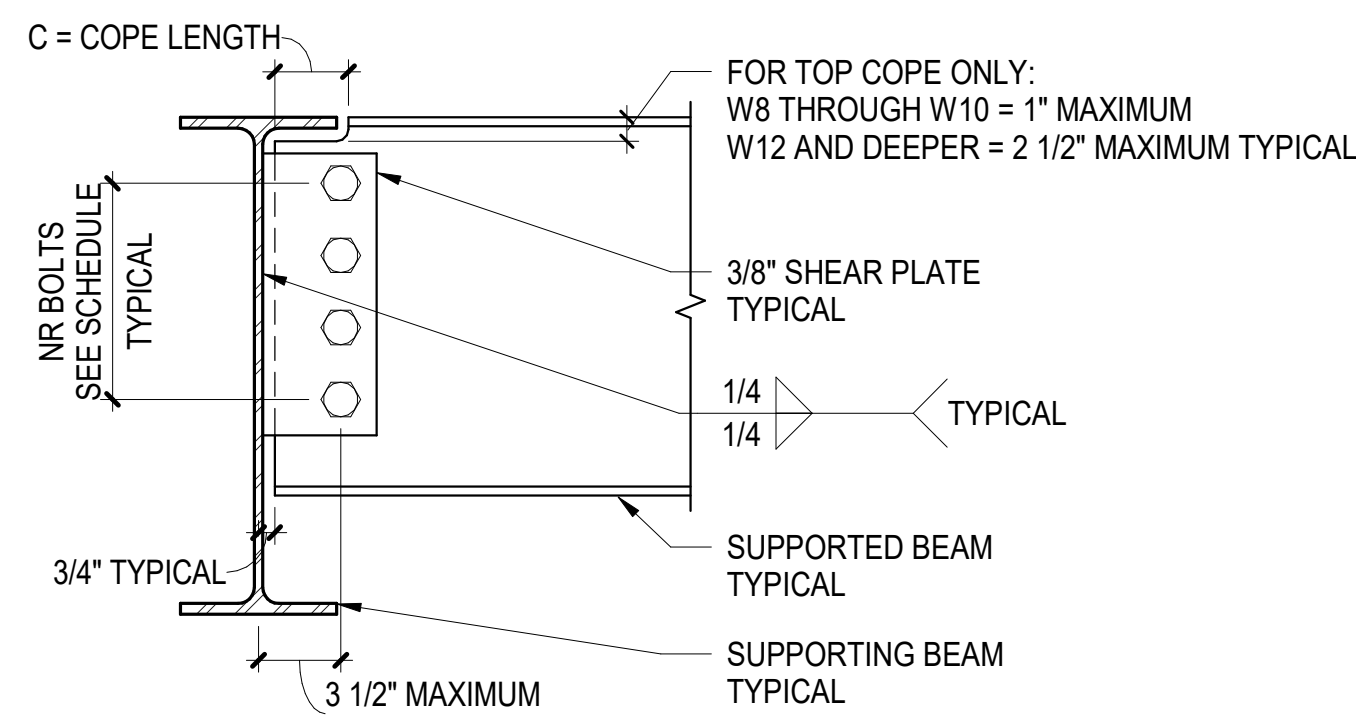
SKEWED SINGLE PLATE WELD SCHEDULE		
SKEW ANGLE (DEGREES)	WELD A	WELD B
< 30	CJP WELD	
> 30 - 45	PJP WELD	
> 45 - 50	D + 1/8"	(D*1.31) + G
> 50 - 55	D + 1/8"	(D*1.28) + G
> 55 - 60	D + 1/8"	(D*1.25) + G
> 60 - 65	D	(D*1.23) + G
> 65 - 70	D	(D*1.19) + G
> 70 - 75	D	(D*1.16) + G
> 75 - 80	D	(D*1.12) + G
> 80 - 85	D	(D*1.08) + G
> 85 - 90	D	D + G

NOTES:

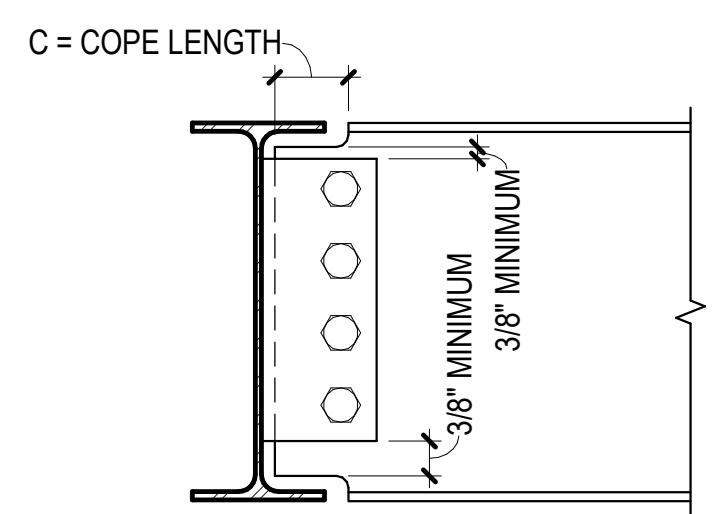
- DETAIL NOTATIONS:
TP INDICATES THICKNESS OF PLATE
D INDICATES FILLET WELD SIZE AS SPECIFIED FOR PERPENDICULAR FRAMING CONDITION (OTHER DETAILS THIS SHEET)
G INDICATES GAP IF SQUARE CUT PLATE IS USED
- FILLET WELDS:
FOR G ≤ 3/16" USE SQUARE CUT PLATE
FOR G > 3/16": BEVEL PLATE SUCH THAT G = 0 (TOLERANCE = +1/16", -0)
FOR (D + G) > 3/4", BEVEL PLATE SUCH THAT G = 0 (TOLERANCE = +1/16", -0)
- PJP AND CJP WELDS:
WELD PREPARATIONS NOT SHOWN

1 SINGLE PLATE SHEAR CONNECTION NOTES

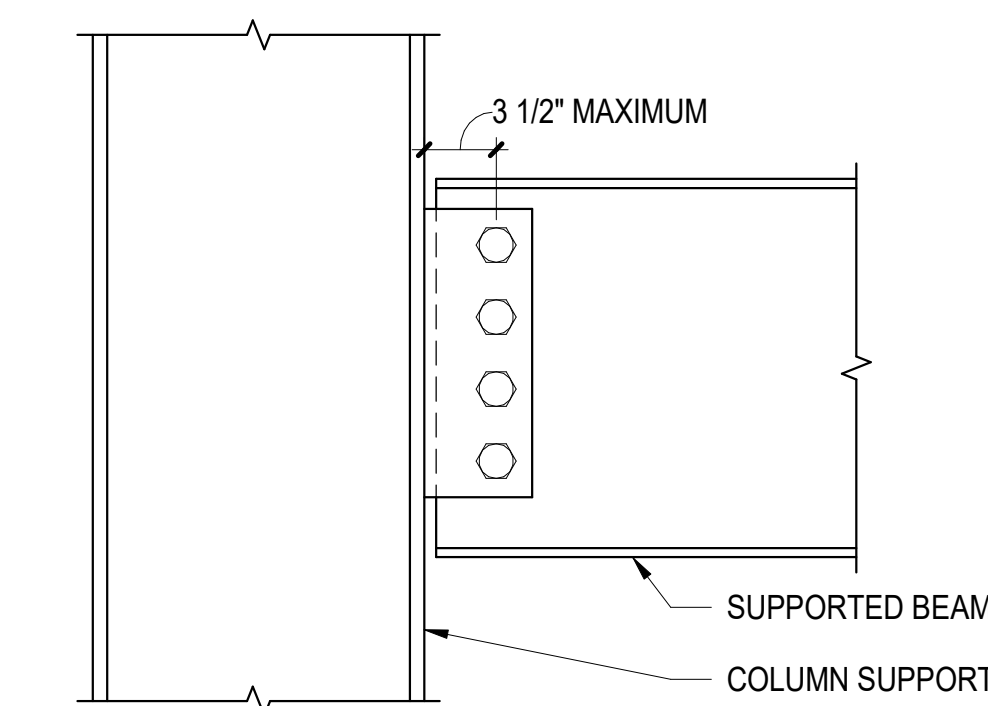
2 TYPICAL SKEWED SINGLE PLATE WELD DETAILS



A TOP COPE ONLY (TC)



B TOP AND BOTTOM COPE (TBC)



C BEAM TO COLUMN FLANGE (NO COPE)

NOTES:

- SEE TYPICAL SINGLE PLATE SHEAR CONNECTION GENERAL NOTES FOR ADDITIONAL INFORMATION
- SELECT CONNECTION CAPACITY BASED ON COPED CONDITION OF BEAM
- TBC VALUES IN TABLE ALSO APPLY TO BOTTOM COPE ONLY CONDITION

3 TYPICAL SINGLE PLATE SHEAR CONNECTION AT BEAM OR COLUMN FLANGE (TYPE SP1)

NOT TO SCALE

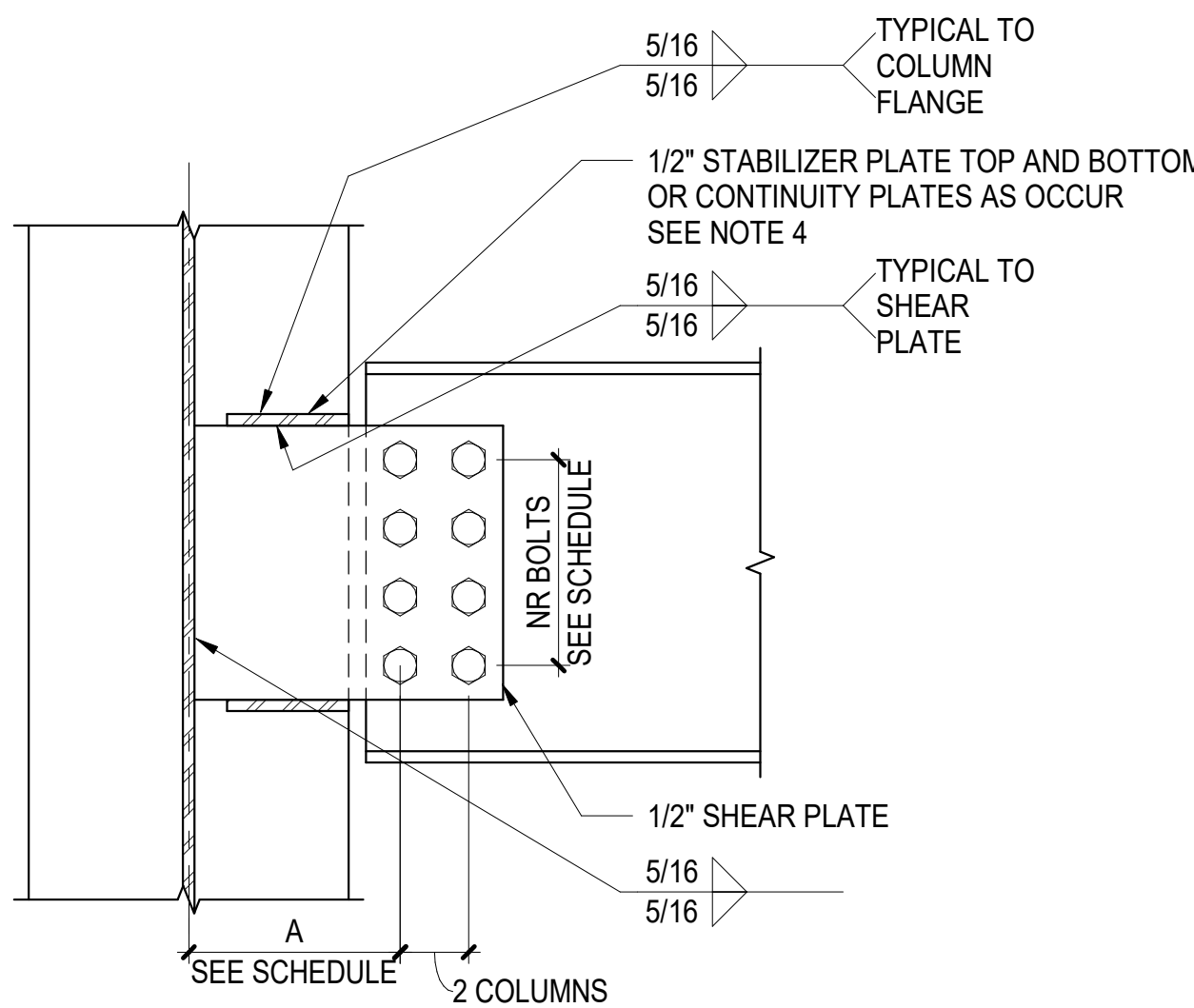
BEAM SIZE		CONNECTION CAPACITY (KIPS)									
		NR BOLTS	NO. COPE	C = 4"				C = 6"			
				TC	TBC	TC	TBC	TC	TBC	TC	TBC
W8	x10	2	23	20	9	14	6	11	4		
	x13-24	2	23	23	13	19	9	14	7		
	x28+	2	23	23	16	23	11	20	9		
W10	x12	2	23	23	11	23	7	19	5		
	x15-26	2	23	23	13	23	9	23	7		
	x30+	2	23	23	17	23	12	23	9		
W12	x14-16	2	23	23	11	23	8	20	6		
		3	42	40	25	28	16	20	11		
	x19-30	2	23	23	13	23	9	23	7		
W14	x35+	3	42	42	30	37	20	28	14		
		2	23	23	17	23	12	23	9		
		3	42	42	38	42	27	41	20		
W16	x22-30	3	42	42	29	42	19	37	14		
	x34-48	3	42	42	36	42	26	42	19		
	x53+	3	42	42	42	42	33	42	26		
W18	x26-31	3	42	42	32	42	22	42	16		
	x36-40	3	42	42	38	42	27	42	20		
		4	62	62	62	62	47	62	33		
W21	x45+	3	42	42	42	42	31	42	24		
		4	62	62	62	62	55	62	42		
	x35-50	3	42	42	38	42	27	42	20		
W24 - 4 MIN		4	62	62	62	62	48	62	34		
		5	81	81	81	81	73	81	52		
	x55+	3	42	42	42	42	35	42	27		
W27, W30 - 5 MIN		4	62	62	62	62	62	62	48		
		5	81	81	81	81	81	81	75		
	x68+	4	62	62	62	62	62	62	53		
W33-W40 - 7 MIN		6	85	85	85	85	85	85	85		
		7	104	104	104	104	104	104	104		
		8	123	123	123	123	123	123	123		
W36-W44		7	104	104	104	104	104	104	104		
		8	123	123	123	123	123	123	123		
		9	142	142	142	142	142	142	142		
W48 - W12		10	161	161	161	161	161	161	161		
		11	181	181	181	181	181	181	181		
		12	201	201	201	201	201	201	201		

NOTES:

- SEE TYPICAL SINGLE PLATE SHEAR CONNECTION GENERAL NOTES FOR ADDITIONAL INFORMATION
- DETAIL APPLIES TO SQUARE, RECTANGULAR, OR ROUND HSS COLUMNS
- SINGLE PLATE THICKNESS BASED ON HSS WALL THICKNESS PER SCHEDULE

5 TYPICAL SINGLE PLATE SHEAR CONNECTION AT HSS COLUMN (TYPE SP3)

NOT TO SCALE

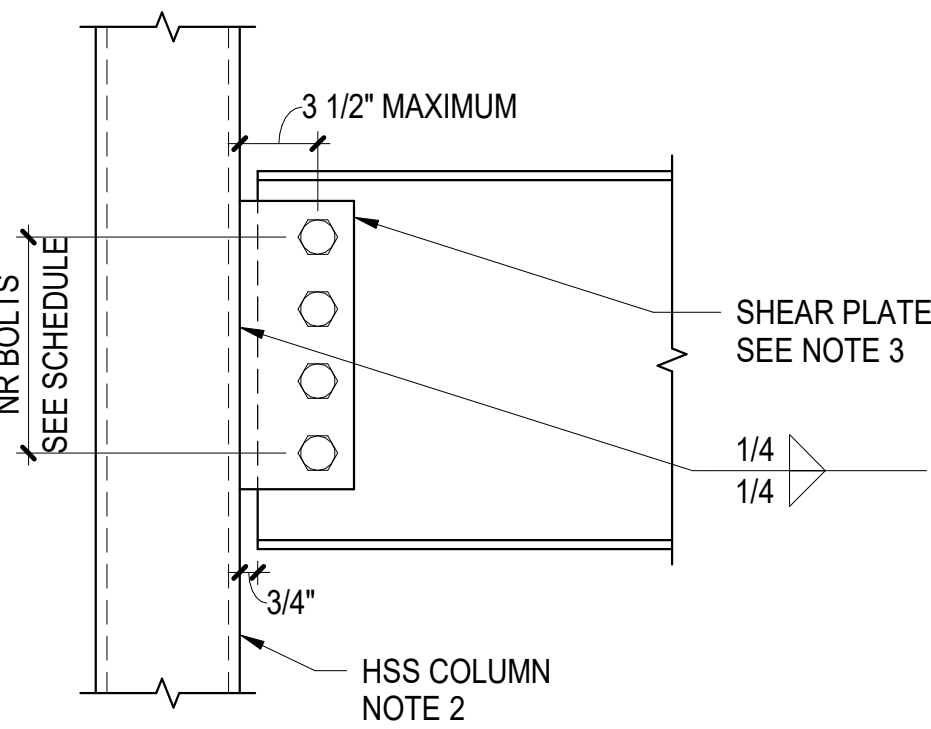


NOTES:

- SEE TYPICAL SINGLE PLATE SHEAR CONNECTION GENERAL NOTES FOR ADDITIONAL INFORMATION
- SELECT CONNECTION CAPACITY BASED ON DETAILING DIMENSION "A"
- MINIMUM COLUMN WEB THICKNESS SHALL BE 0.29" (INCLUDES: W8x31+, W10x33+, W12x40+, W14x43+)
- STABILIZER PLATES ONLY REQUIRED FOR SHADED CAPACITY CASES
- SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION ON SINGLE PLATE CONNECTIONS TO COLUMN WEB WHEN STIFFENERS FROM OTHER CONNECTIONS ARE PRESENT

4 TYPICAL SINGLE PLATE SHEAR CONNECTION AT COLUMN WEB (TYPE SP2)

NOT TO SCALE



BEAM SIZE		CONNECTION CAPACITY (KIPS)			
		NR BOLTS	A ≤ 6"	A ≤ 8"	A ≤ 10 1/2"
W8 - W12	2	13	10	8	8
W12 - W18	3	30	24	20	18
W16 - W24	4	54	44	36	32
W18 - W30	5	80	66	54	48
W21 - W40	6	110	91	75	68
W27 - W44	7	142	120	99	89
W30 - W44	8	177	151	125	114
W33 - W44	9	214	184	154	140
W36 - W44	10	251	219	186	169

BEAM SIZE		CONNECTION CAPACITY (KIPS)	
		HSS WALL THICKNESS ≥ 3/8"	HSS WALL THICKNESS = 1/4" or 5/16"
W8 - W12	2	23	23
W12 - W18	3	42	42
W16 - W24	4	62	62
W18 - W30	5	81	78
W21 - W40	6	85	85
W27 - W44	7	104	104
W30 - W44	8	123	123
W33 - W44	9	142	142
W36 - W44	10	161	161

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Building #17
Campus Expansion Child
Day-care Center

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

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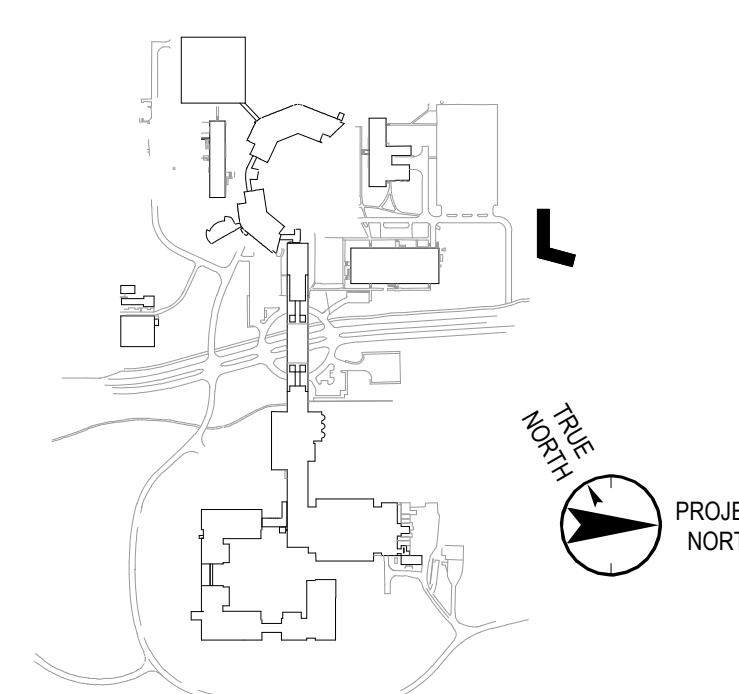
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Armonk, NY 10504
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(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No. Date Description

0 05.02.22 ISSUED FOR PERMIT

Plot Date: 09/13/18

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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: TLL
TYPICAL STEEL BEAM SHEAR
CONNECTIONS 3/4"
DIAMETER BOLTS

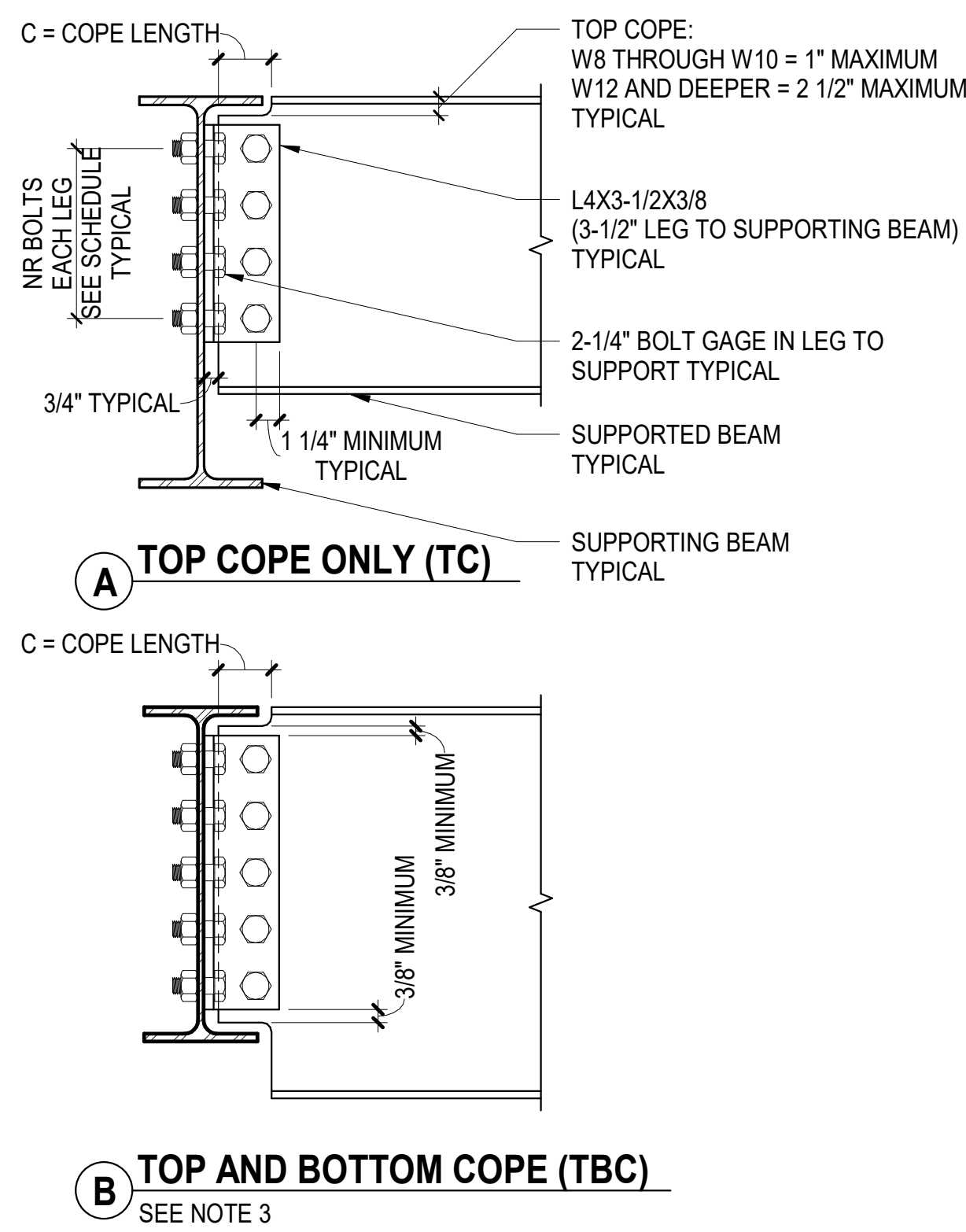
Scale: As indicated Floor:

S-510

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REFER TO STRUCTURAL GENERAL NOTES FOR ADDITIONAL REQUIREMENTS
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AND RESISTANCE FACTOR DESIGN. SELECT CONNECTION CAPACITY BASED ON FACTORED
SHEAR REACTIONS SHOWN ON PLAN AND REQUIREMENTS OF DETAILS
- SINGLE PLATE, SINGLE ANGLE, OR DOUBLE ANGLE CONNECTIONS MAY BE USED AT THE
CONTRACTOR'S OPTION UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS
- ALL CONNECTION SHOWN ARE DESIGNED UTILIZING BOLTS INDICATED
- THE FOLLOWING MINIMUM BOLT EDGE DISTANCES AND SPACING SHALL BE USED:
HORIZONTAL EDGE DISTANCE = 1-1/2" UON
VERTICAL EDGE DISTANCE = 1-1/2"
SPACING = 3"
- ALL CONNECTIONS SHOWN ARE DESIGNED UTILIZING ANGLE MATERIAL CONFORMING
TO ASTM A572 OR A529 GRADE 50
- WHERE SINGLE ANGLE OR DOUBLE ANGLE CONNECTIONS ARE ALIGNED EACH SIDE OF THE
SUPPORTING BEAM WEB (SHARED BOLTS), MINIMUM SUPPORTING BEAM WEB THICKNESS
SHALL BE 0.25" FOR W8-W14 CONNECTIONS AND 0.35" FOR W16 AND DEEPER CONNECTIONS.
CONNECTION SHALL BE DETAILED TO PERMIT ERECTION OF BEAMS EACH SIDE
PER OSHA STANDARDS
- NOTATIONS:
SSLT INDICATES SHORT SLOTTED HOLES TRANSVERSE TO LINE OF FORCE

1 ANGLE SHEAR CONNECTION NOTES



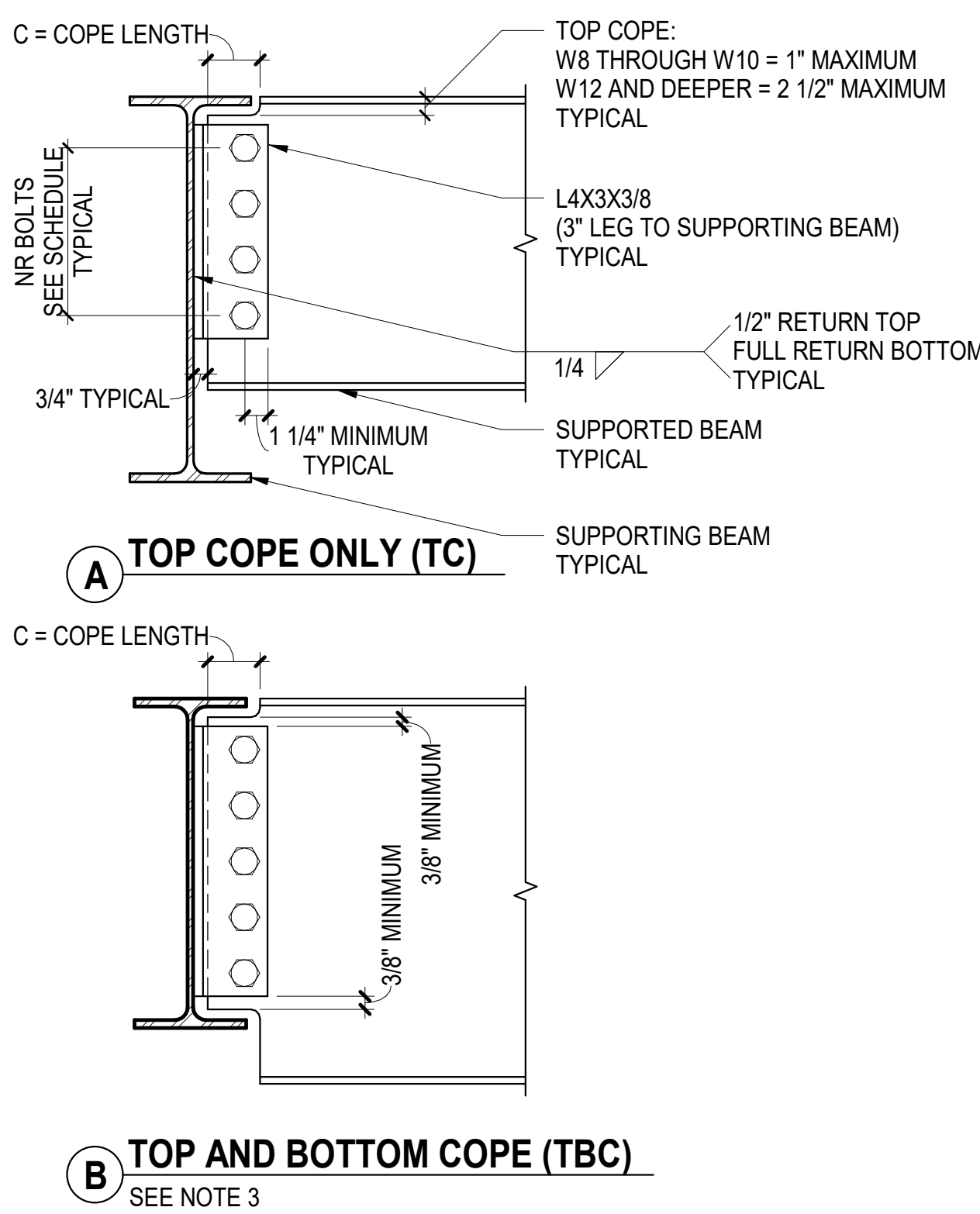
NOTES:

- SEE TYPICAL ANGLE SHEAR CONNECTION GENERAL NOTES FOR ADDITIONAL INFORMATION
- SELECT CONNECTION CAPACITY BASED ON COPE CONDITION OF BEAM
- TBC VALUES IN TABLE ALSO APPLY TO BOTTOM COPE ONLY CONDITION
- SSLT HOLES IN ANGLE LEG TO SUPPORTED BEAM, STANDARD HOLES IN ANGLE LEG TO SUPPORT

2 TYPICAL SINGLE ANGLE SHEAR CONNECTION AT BEAM (TYPE L1) - BOLTED-BOLTED

NOT TO SCALE

TYPE L1 SINGLE ANGLE SHEAR CONNECTION SCHEDULE: 3/4" DIAMETER ASTM F3125-N BOLTS GRADES A325 OR F1852									
BEAM SIZE		NR BOLTS	CONNECTION CAPACITY (KIPS)						
			C = 4"		C = 6"		C = 8"		
			NO COPE	TC	TBC	TC	TBC	TC	TBC
W8	x10	2	18	18	9	14	6	11	4
	x13-24	2	18	18	13	18	9	14	7
	x28+	2	18	18	16	18	11	18	9
W10	x12	2	18	18	11	18	7	18	5
	x15-26	2	18	18	13	18	9	18	7
	x30+	2	18	18	17	18	12	18	9
W12	x14-16	2	18	18	11	18	8	18	6
		3	33	33	25	28	16	20	11
	x19-30	2	18	18	13	18	9	18	7
		3	33	33	30	33	20	28	14
W14	x35+	2	18	18	17	18	12	18	9
		3	33	33	33	33	27	33	20
	x22-30	3	33	33	29	33	19	33	14
	x34-48	3	33	33	33	33	26	33	19
W16	x53+	3	33	33	33	33	33	33	26
	x26-31	3	36	36	32	36	22	36	16
		4	55	55	55	55	37	54	26
	x36-40	3	36	36	36	36	27	36	20
W18		4	55	55	55	55	47	55	33
	x45+	3	36	36	36	36	31	36	24
		4	55	55	55	55	55	55	42
	x35-50	3	36	36	36	36	27	36	20
W21, W24 - 4 MIN		4	55	55	55	55	48	55	34
		5	74	74	74	74	73	74	52
		3	36	36	36	36	35	36	27
	x55+	4	55	55	55	55	55	55	48
W27, W30 - 5 MIN		5	74	74	74	74	74	74	74
		4	55	55	55	55	55	55	43
		5	74	74	74	74	74	74	74
		6	92	92	91	92	91	92	91
W33-W40 - 7 MIN		7	107	107	107	107	107	107	107
		8	123	123	123	123	123	123	123
		9	138	138	138	138	138	138	138
		10	154	154	154	154	154	154	154



NOTES:

- SEE TYPICAL ANGLE SHEAR CONNECTION GENERAL NOTES FOR ADDITIONAL INFORMATION
- SELECT CONNECTION CAPACITY BASED ON COPE CONDITION OF BEAM
- TBC VALUES IN TABLE ALSO APPLY TO BOTTOM COPE ONLY CONDITION
- SSLT HOLES IN ANGLE LEG TO SUPPORTED BEAM, STANDARD HOLES IN ANGLE LEG TO SUPPORT

3 TYPICAL SINGLE ANGLE SHEAR CONNECTION AT BEAM (TYPE L2) - BOLTED-WELDED

NOT TO SCALE

TYPE L2 SINGLE ANGLE SHEAR CONNECTION SCHEDULE: 3/4" DIAMETER ASTM F3125-N BOLTS GRADES A325 OR F1852									
BEAM SIZE		NR BOLTS	CONNECTION CAPACITY (KIPS)						
			C = 4"		C = 6"		C = 8"		
			NO COPE	TC	TBC	TC	TBC	TC	TBC
W8	x10	2	25	20	9	14	6	11	4
	x13-24	2	32	27	13	19	9	14	7
	x28+	2	34	34	16	26	11	20	9
W10	x12	2	28	28	11	24	7	19	5
	x15-26	2	32	32	13	30	9	23	7
	x30+	2	34	34	17	34	12	34	9
W12	x14-16	2	30	29	11	28	8	20	6
		3	47	40	25	28	16	20	11
	x19-30	2	32	32	13	32	9	28	7
		3	50	49	30	37	20	28	14
W14	x35+	2	34	34	17	34	12	34	9
		3	54	54	38	54	27	41	20
	x22-30	3	50	48	29	48	19	37	14
	x34-48	3	53	53	36	53	26	51	19
W16	x53+	3	54	54	47	54	33	54	26
	x26-31	3	51	51	32	51	22	51	16
		4	69	67	57	67	37	54	26
	x36-40	3	54	54	38	54	27	54	20
W18		4	72	72	67	72	47	70	33
	x45+	3	54	54	44	54	31	54	24
		4	72	72	72	72	55	72	42
	x35-50	3	54	54	38	54	27	54	20
W21, W24 - 4 MIN		4	72	72	68	72	48	72	34
		5	89	89	89	89	73	88	52
		3	54	54	50	54	35	54	27
	x55+	4	72	72	72	72	62	72	48
W27, W30 - 5 MIN		5	89	89	89	89	89	89	75
		4	72	72	72	72	56	72	43
		5	89	89	89	89	89	89	75
		6	107	107	91	107	91	107	91
W33-W40 - 7 MIN		7	125	125	125	125	125	125	125
		8	143	143	143	143	143	143	143
		9	161	161	161	161	161	161	161
		10	179	179	179	179	179	179	179

3 TYPICAL SINGLE ANGLE SHEAR CONNECTION AT BEAM (TYPE L2) - BOLTED-WELDED

NOT TO SCALE

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Building #17
Campus Expansion Child
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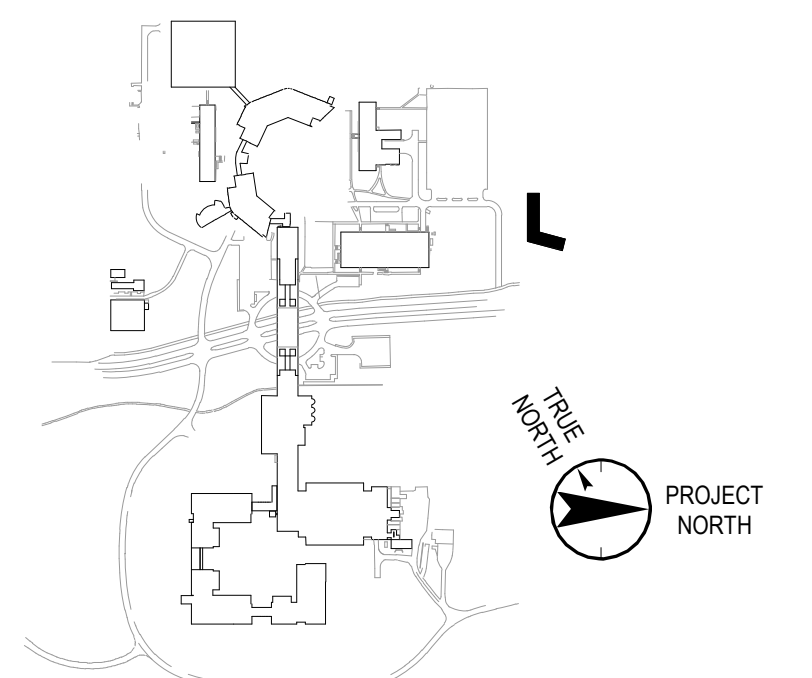
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(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No.	Date	Description
0	05.20.22	ISSUED FOR PERMIT

Plot Date: 09/19/18
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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: TLL
TYPICAL STEEL BEAM SHEAR
CONNECTIONS 3/4"
DIAMETER BOLTS

Scale: NOT TO SCALE Floor:

S-511

777 Old Saw Mill River Road
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Building #17
Campus Expansion Child
Day-care Center

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

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Structural Engineer

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MEP / IT / Security Engineer

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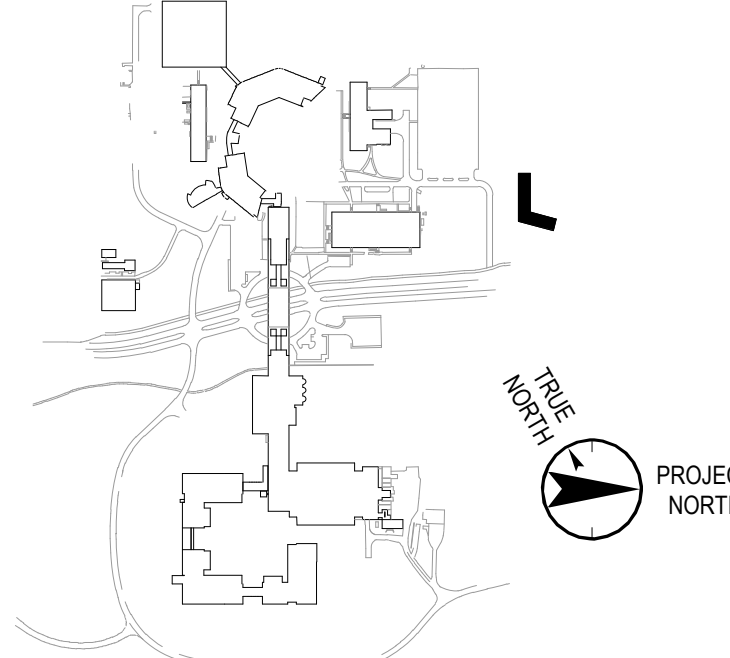
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Key Plan



No.	Date	Description
0	05.20.22	ISSUED FOR PERMIT

Plot Date: 05/18/22

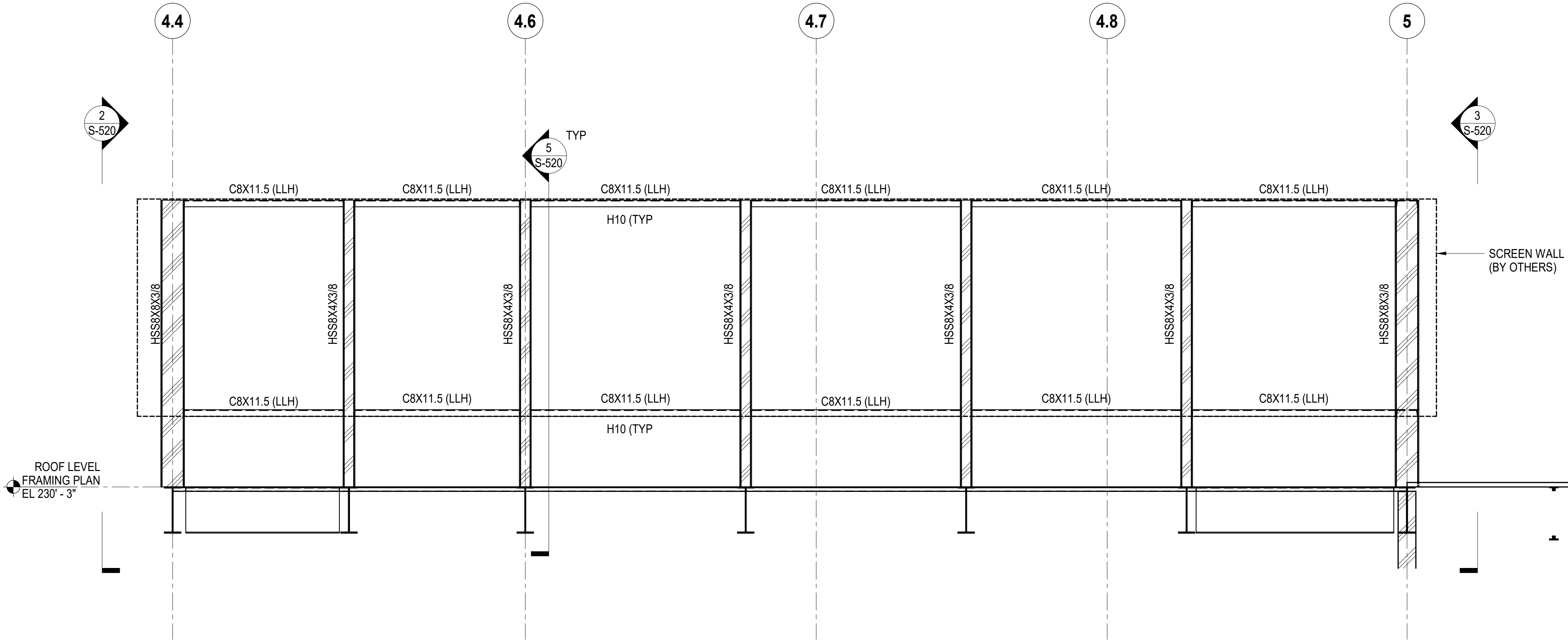
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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: Author
**SCREEN WALL SECTIONS
AND DETAILS**

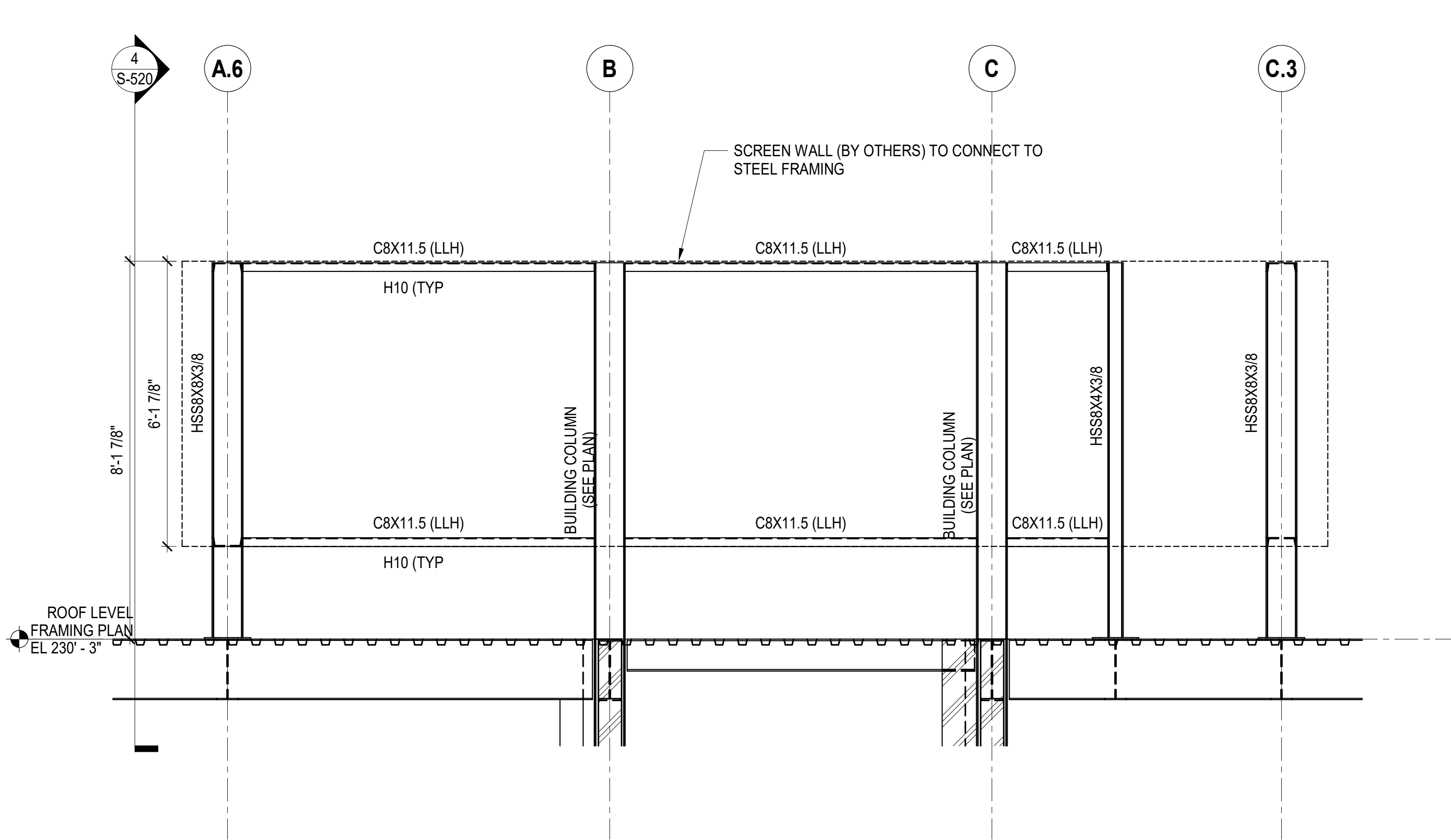
Scale: As indicated Floor:

S-520



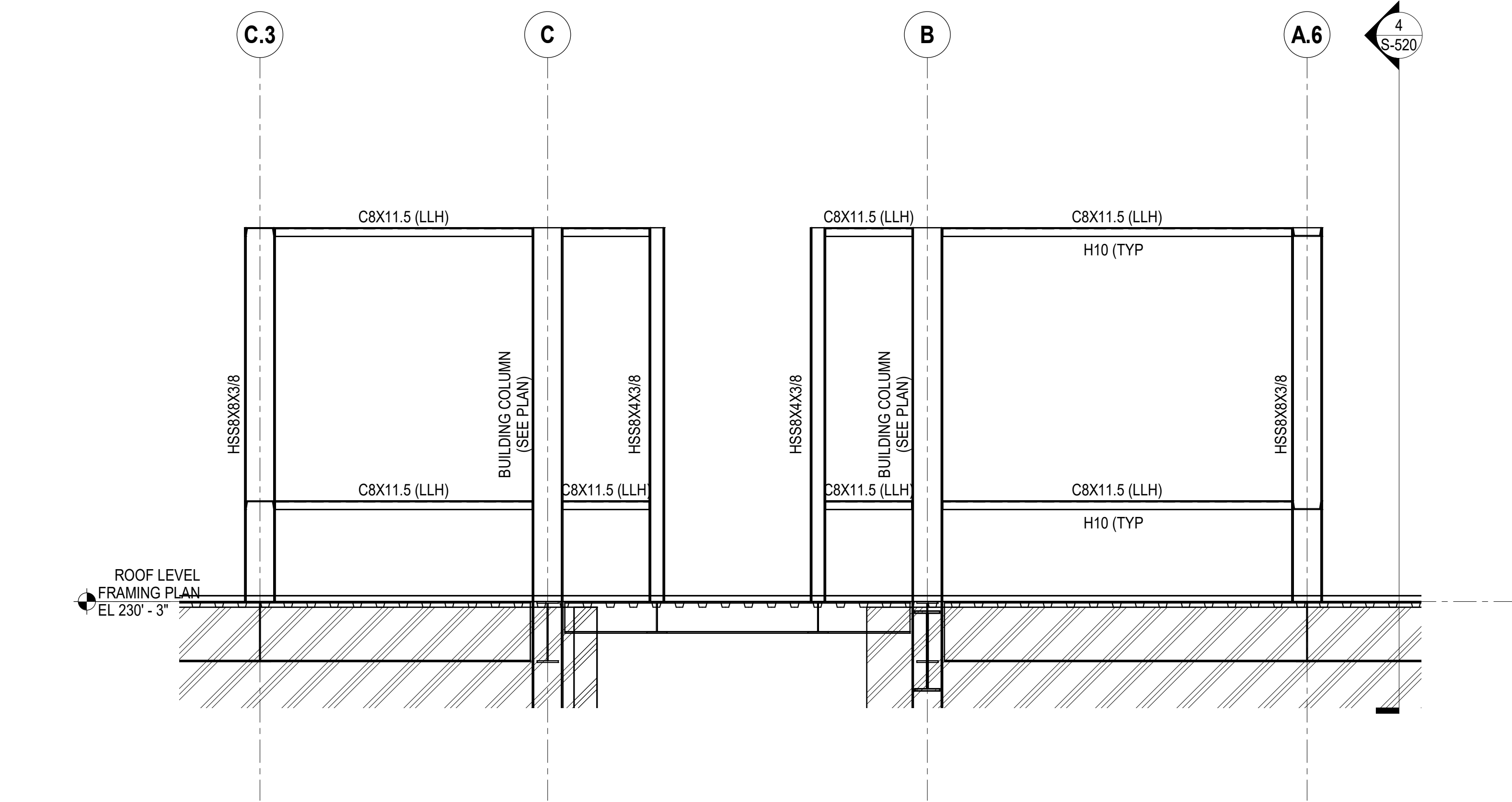
1 SCREEN WALL ELEVATION

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



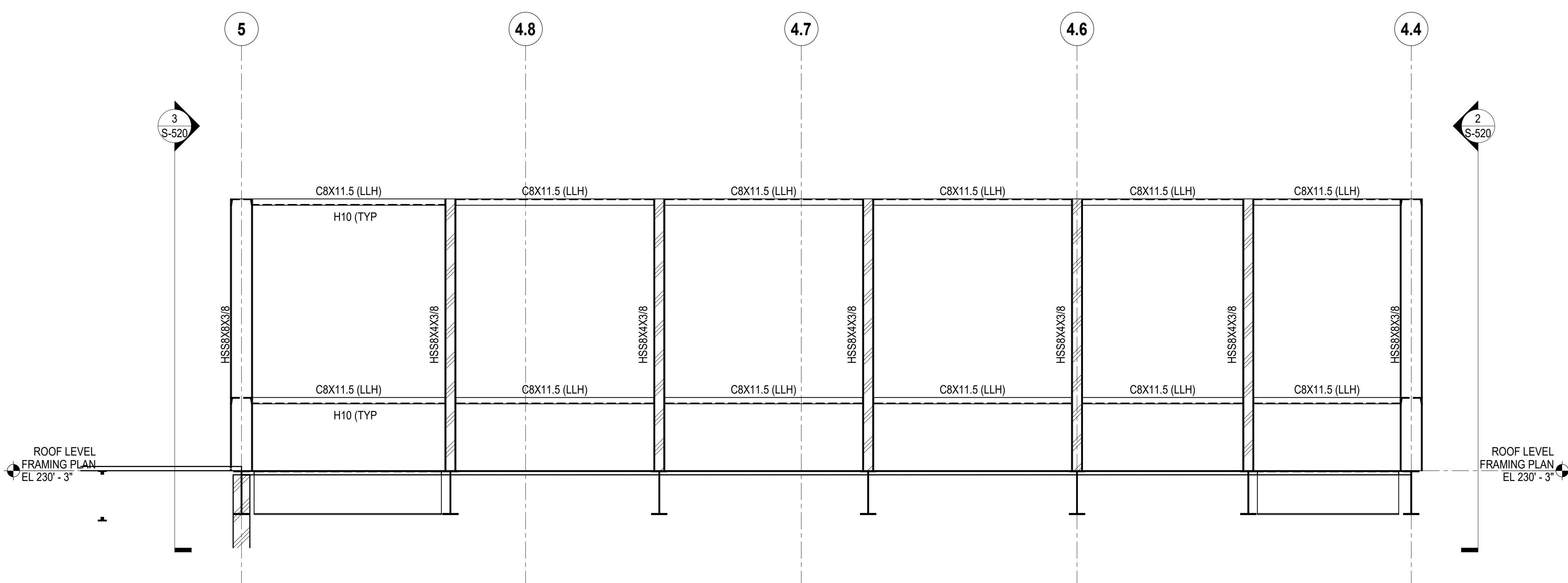
2 SCREEN WALL ELEVATION II

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



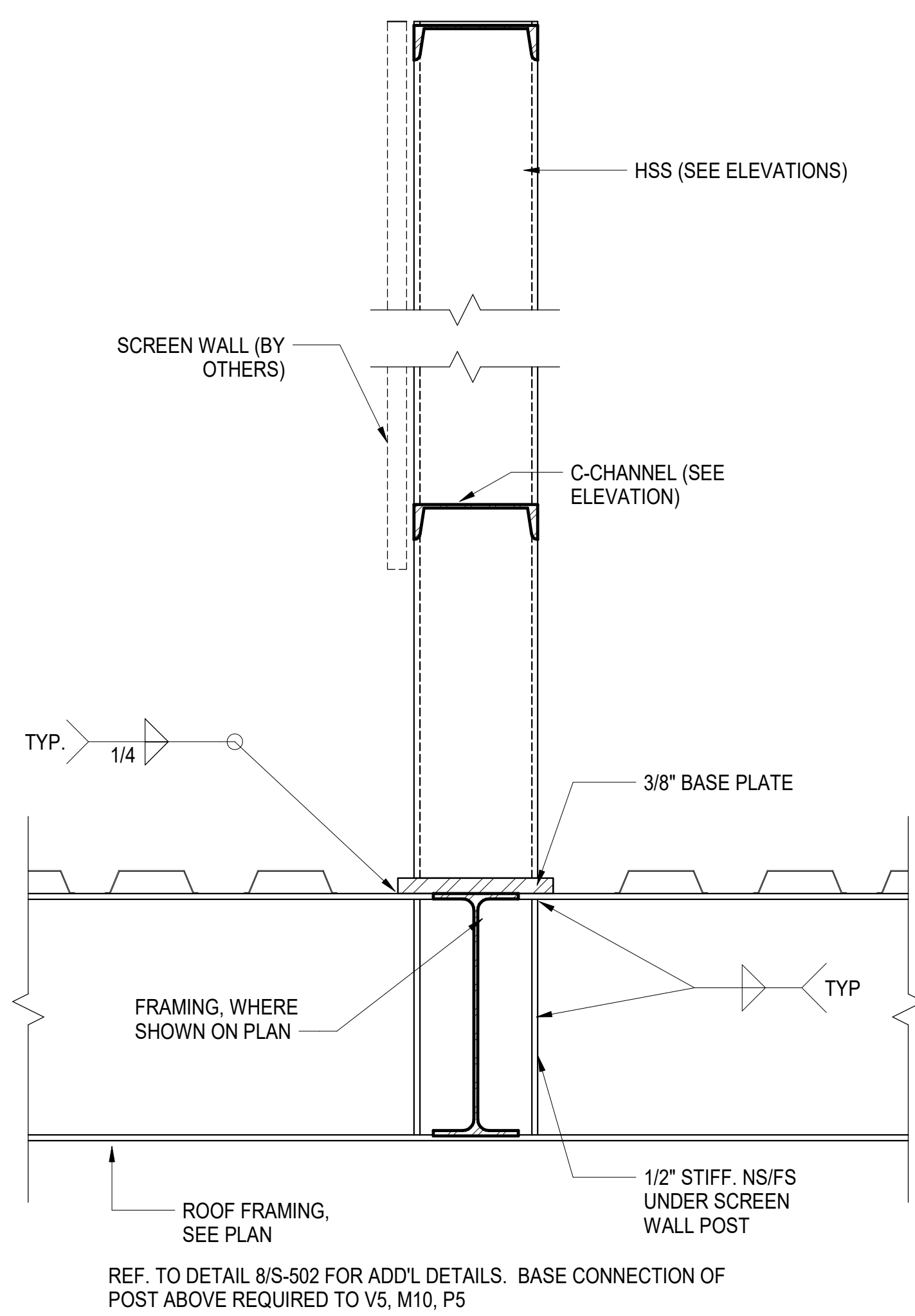
3 SCREEN WALL ELEVATION III

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



4 SCREEN WALL ELEVATION IV

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



5 SECTION THRU. SCREEN WALL

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

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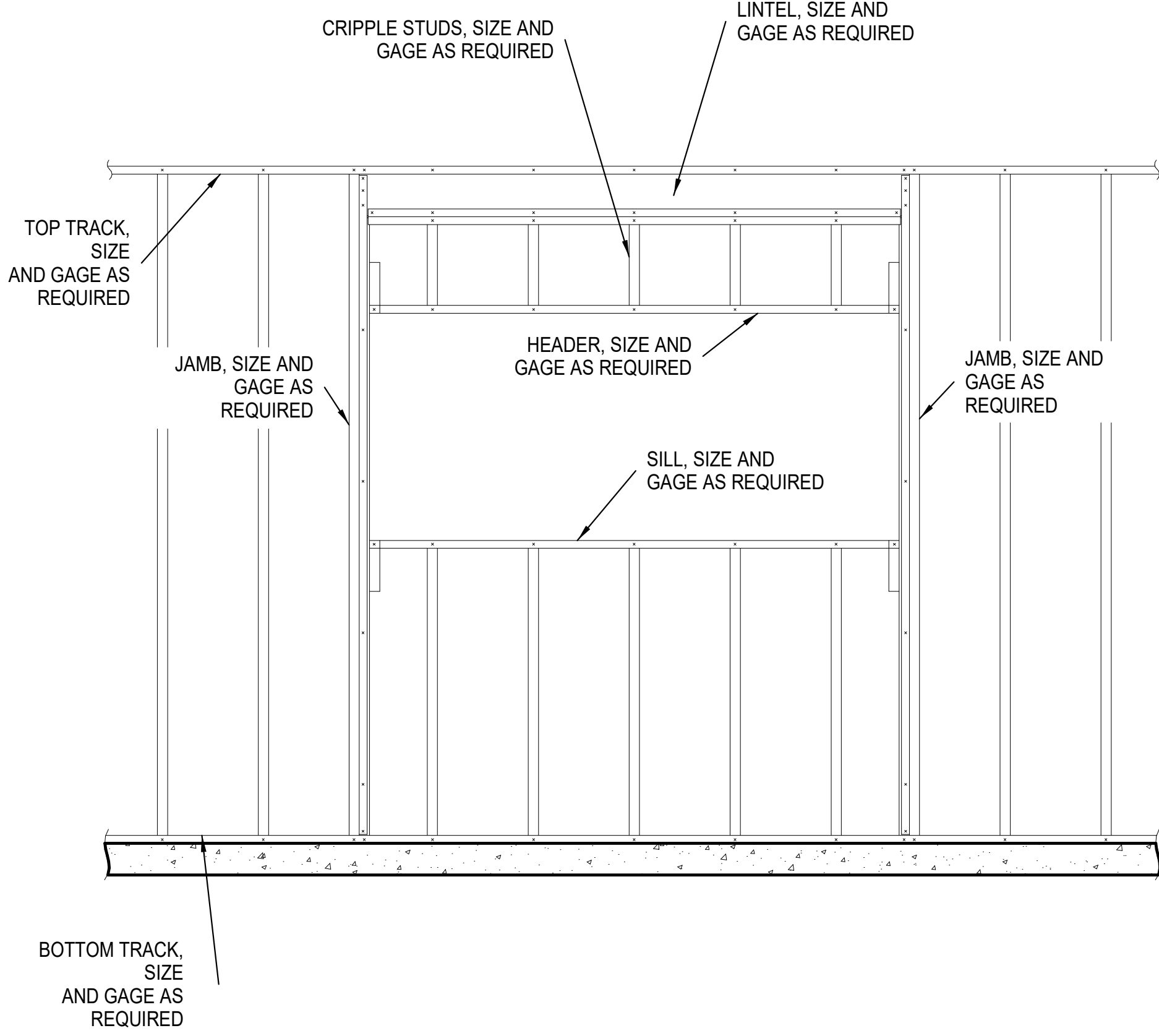
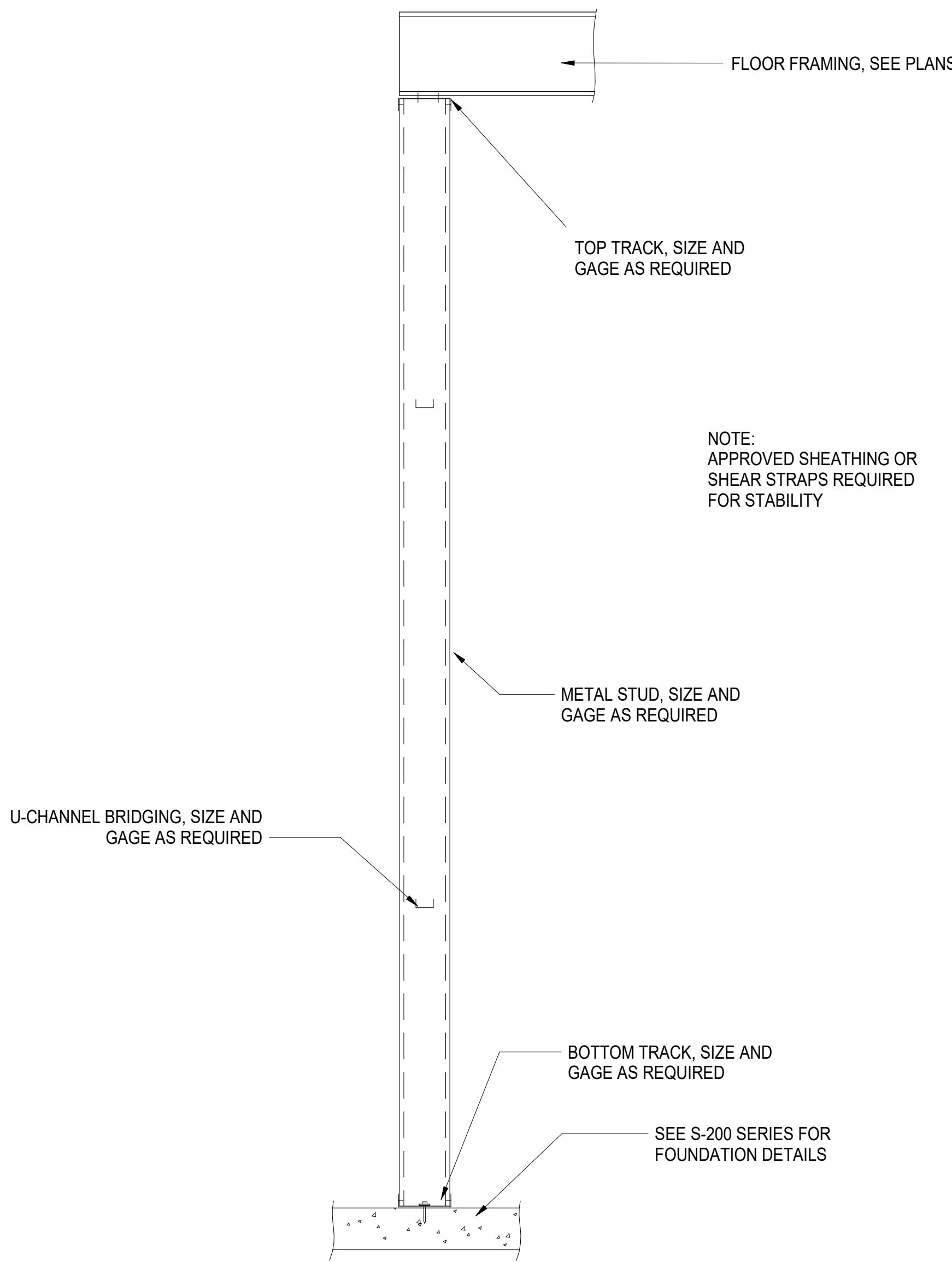
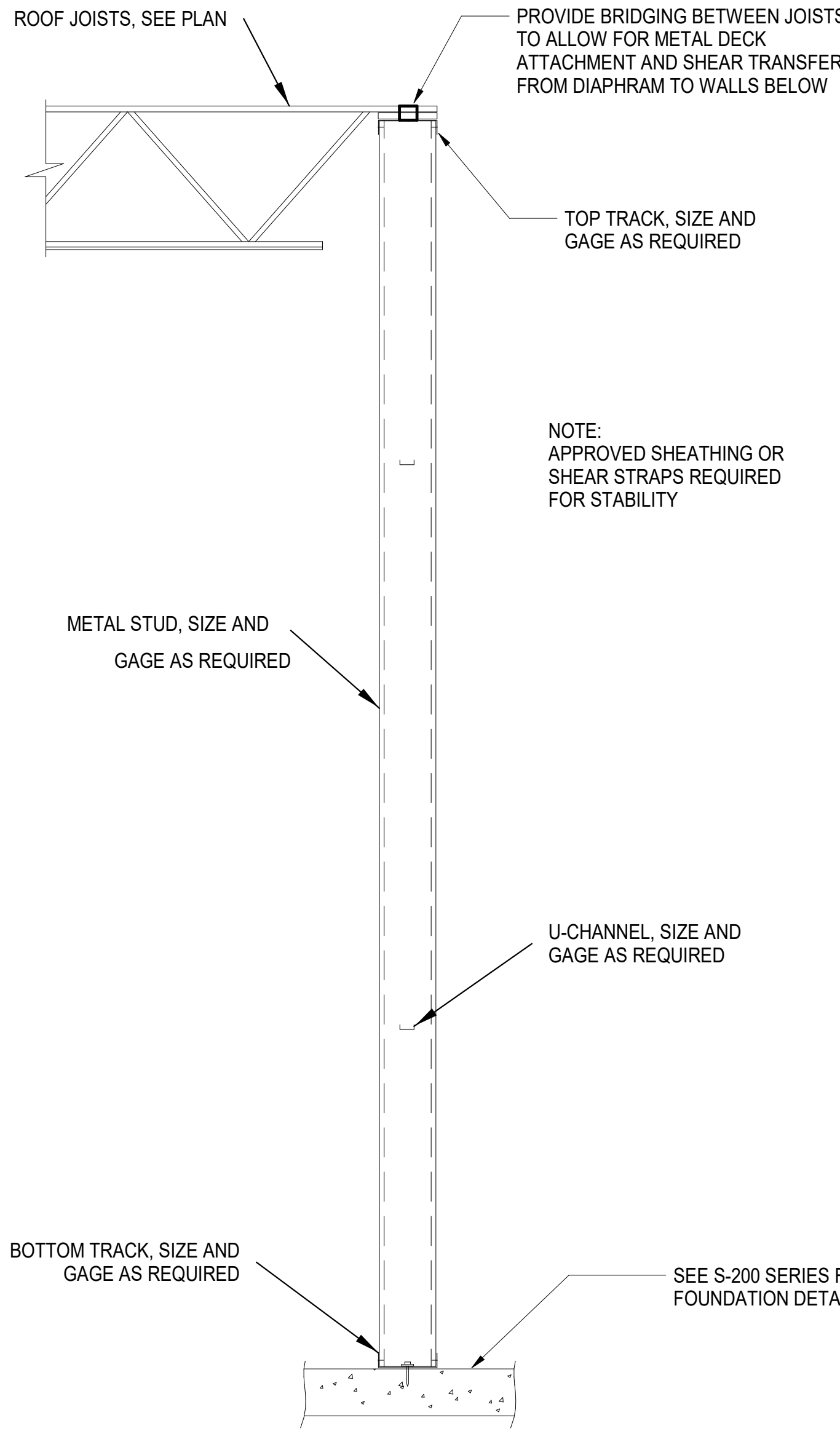
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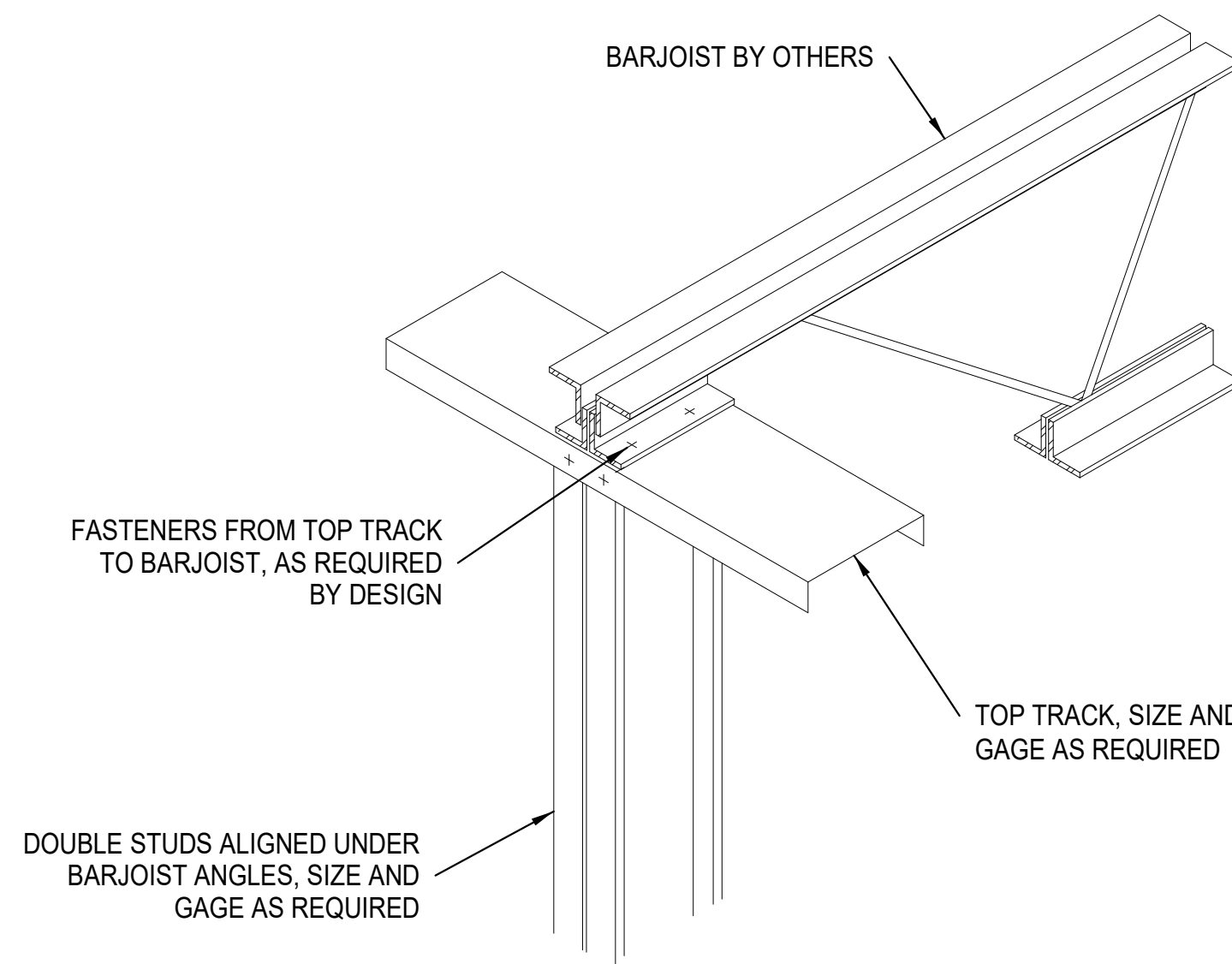
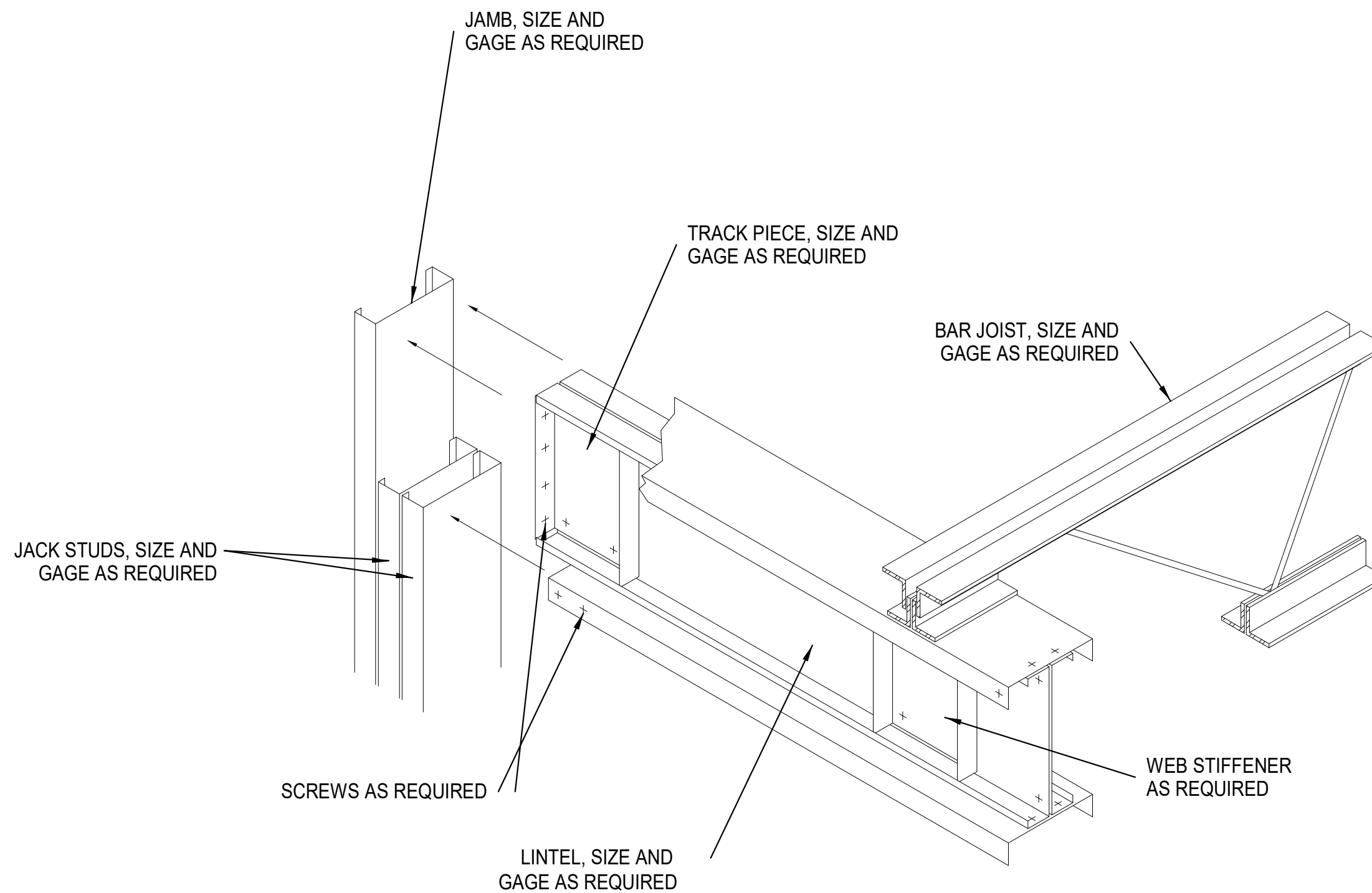
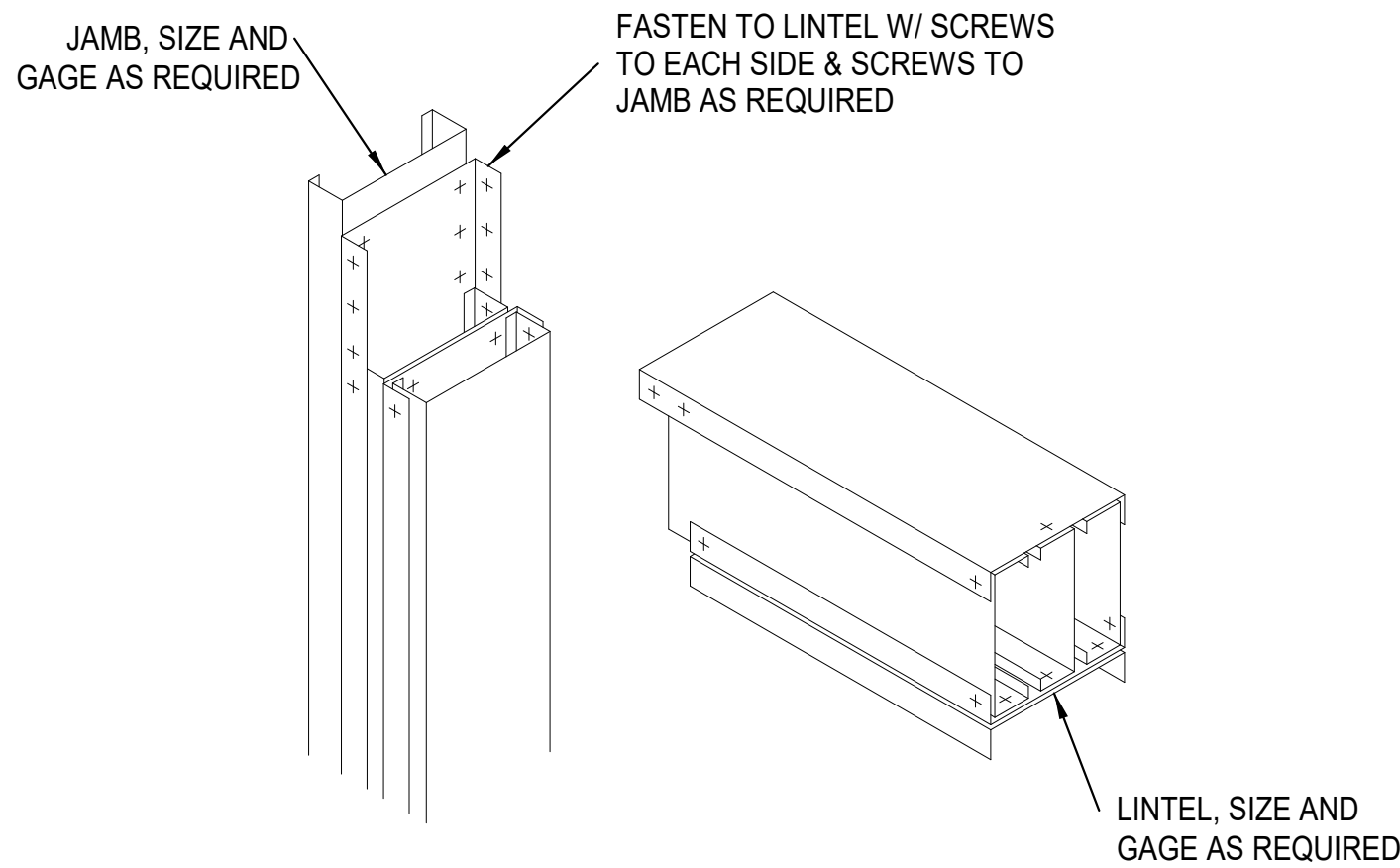
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1 LOAD BEARING WALL WITH JOIST
SCALE: 1 1/2" = 1'-0"

2 LOAD BEARING WALL WITH W-SHAPE
SCALE: 1 1/2" = 1'-0"

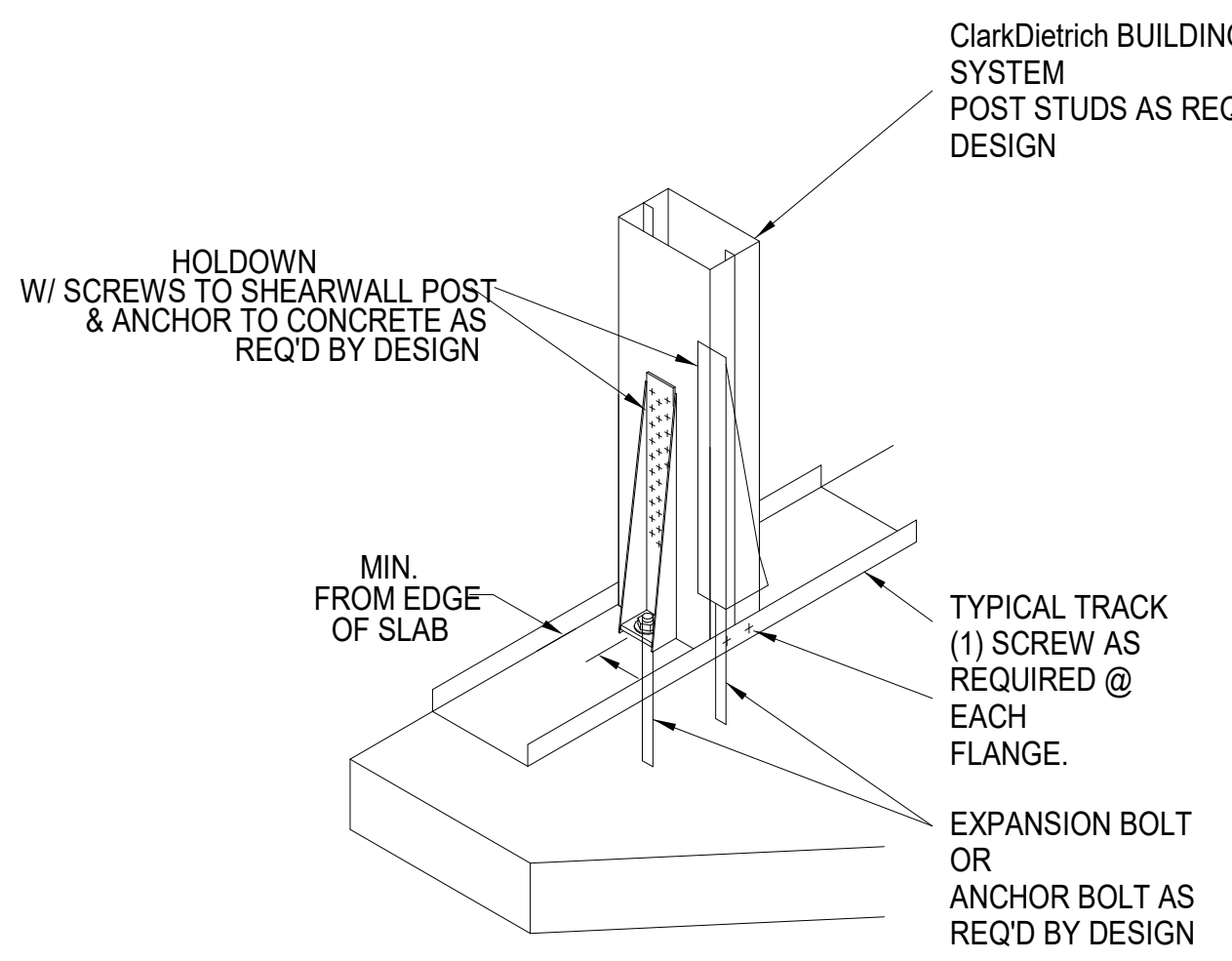
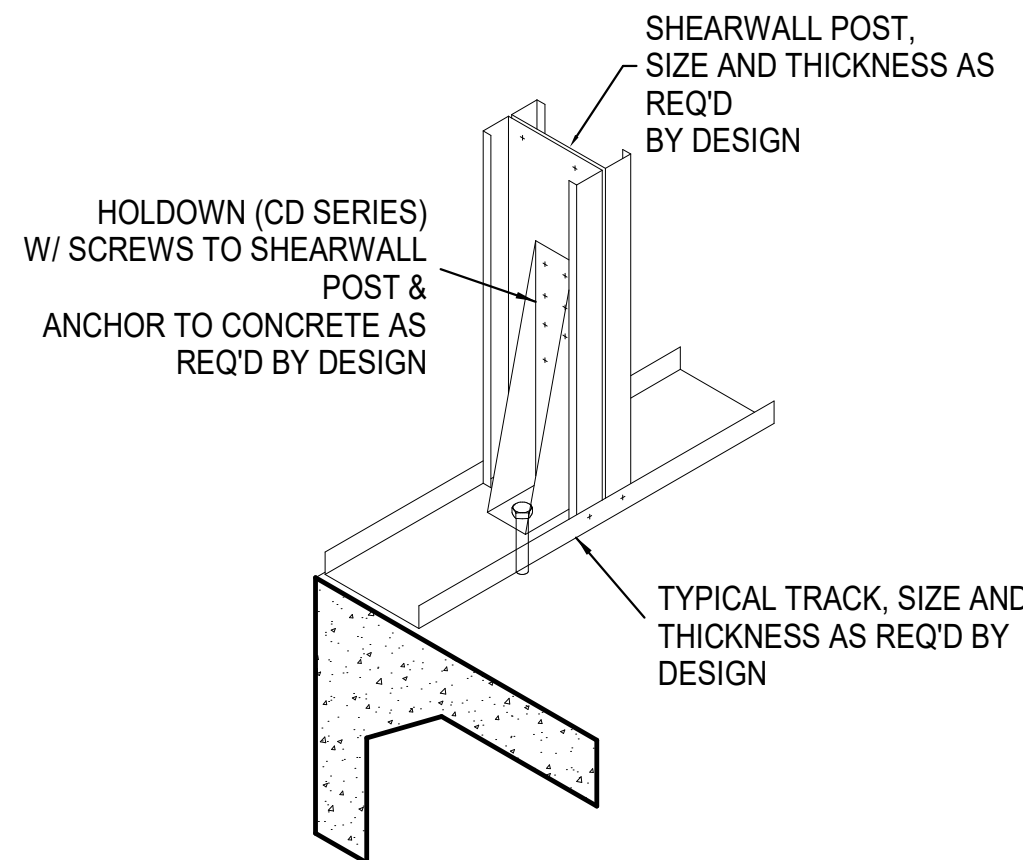
3 TYPICAL LOAD BEARING WINDOW OPENING
ELEVATION
SCALE: 1" = 1'-0"



4 TYPICAL LOAD BEARING BOX HEADER LINTEL
SCALE: 1" = 1'-0"

5 TYPICAL LOAD BEARING LINTEL AT BAR JOIST
SCALE: 1" = 1'-0"

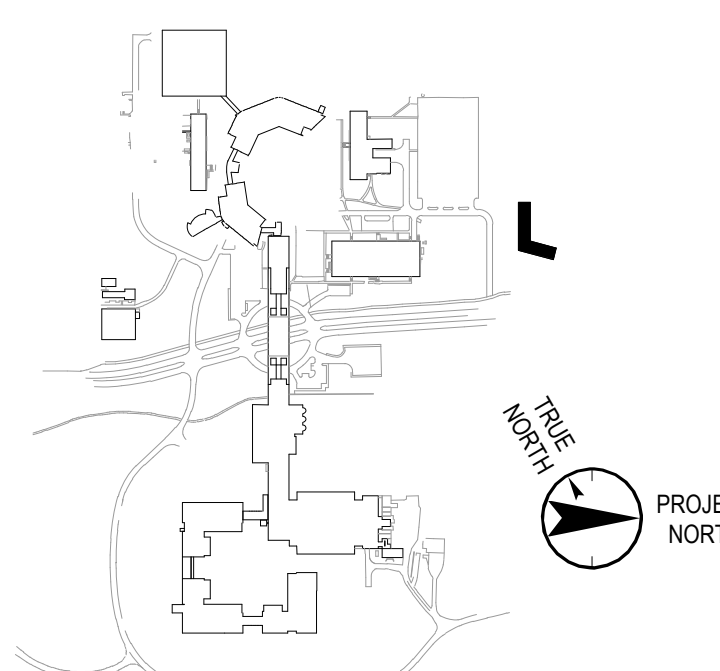
6 LOAD BEARING POST AT BAR JOIST
SCALE: 1" = 1'-0"



7 TYP. HOLD DOWN DETAIL I
SCALE: 3/4" = 1'-0"

8 TYP. HOLD DOWN DETAIL II
SCALE: 3/4" = 1'-0"

Key Plan



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0	05.20.22	ISSUED FOR PERMIT

Plot Date: 03/08/22

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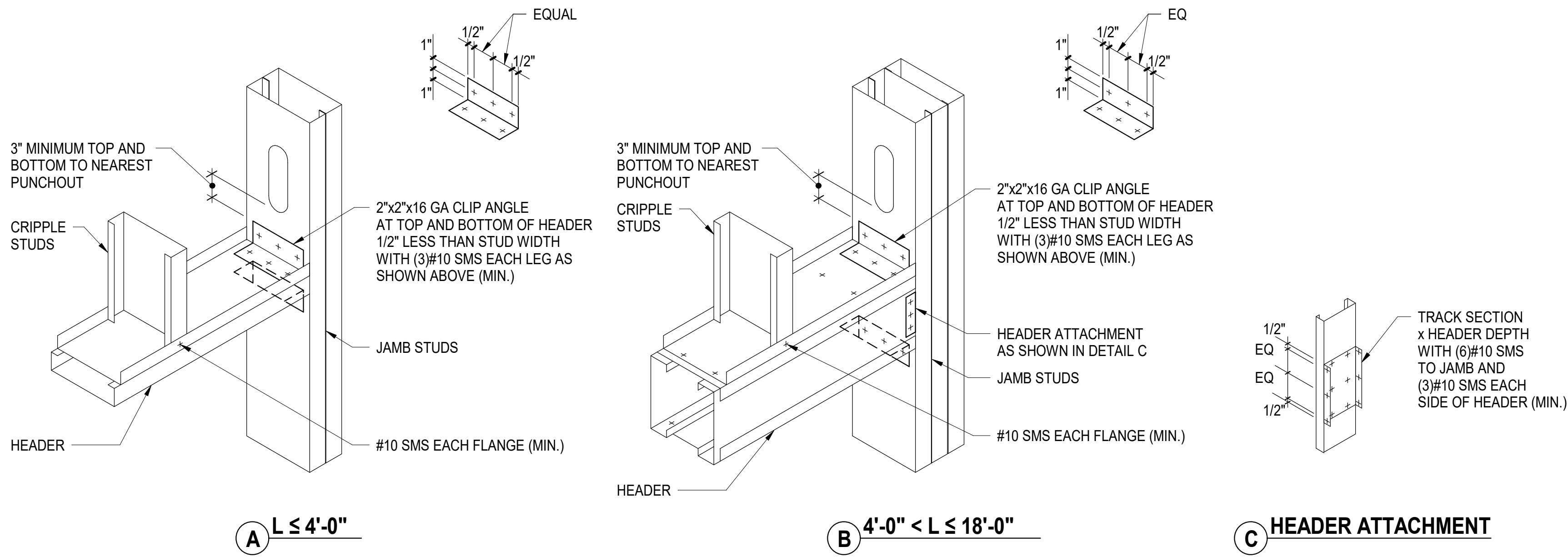
Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: LGMF BEARING WALL
DETAILS
Drawn By: Author

Scale: As indicated Floor:

S-600

FILE: BM-360-000-3608-000 - Regeneron Day Care Facility - Tarrytown/102720-00-Regeneron, 020-147 PLOTTED: ON:03/09/22



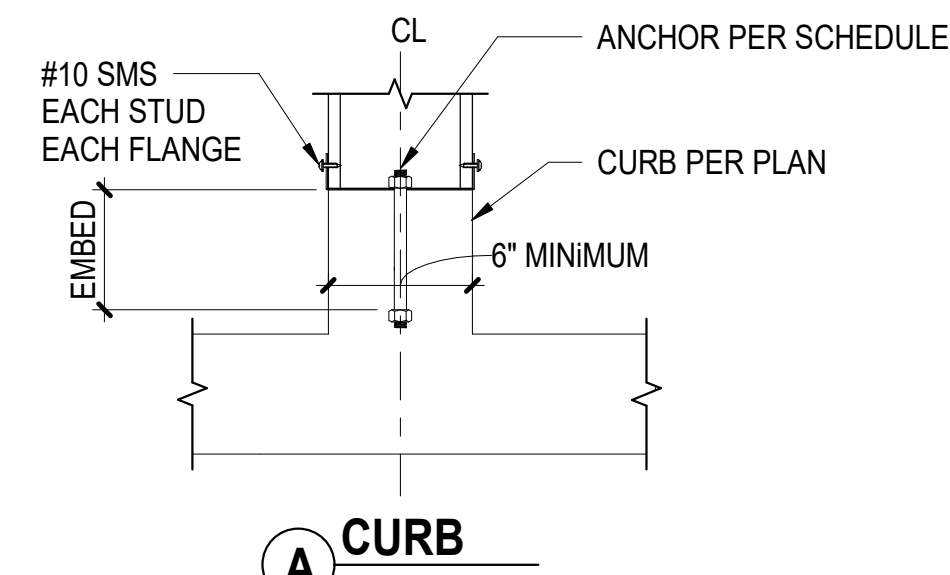
NOTES: DETAIL FOR INFORMATION ONLY. FINAL DESIGN OF LGMF SYSTEM IS DELEGATED TO THE CONTRACTOR BASED ON CONTRACT DOCUMENTS

1 TYPICAL INTERIOR HEADER AND JAMB CONNECTION

SCALE: 1" = 1'-0"

INTERIOR BOTTOM TRACK SILL ANCHOR SCHEDULE - W/ CURB	
ANCHOR TYPE	SIZE AND SPACING (MINIMUM, OR AS REQUIRED.)
ANCHOR BOLT	3/8"Ø @ 2'-8" OC W/ 5" EMBED
EXPANSION ANCHOR*	3/8"Ø HILTI KB-TZ @ 2'-8" OC
SCREW ANCHOR*	3/8"Ø @ 2'-8" OC

*EMBED PER GENERAL NOTES



NOTES: DETAIL FOR INFORMATION ONLY. FINAL DESIGN OF LGMF SYSTEM IS DELEGATED TO THE CONTRACTOR BASED ON CONTRACT DOCUMENTS

3 BOTTOM TRACK SECTION

1 1/2" = 1'-0"

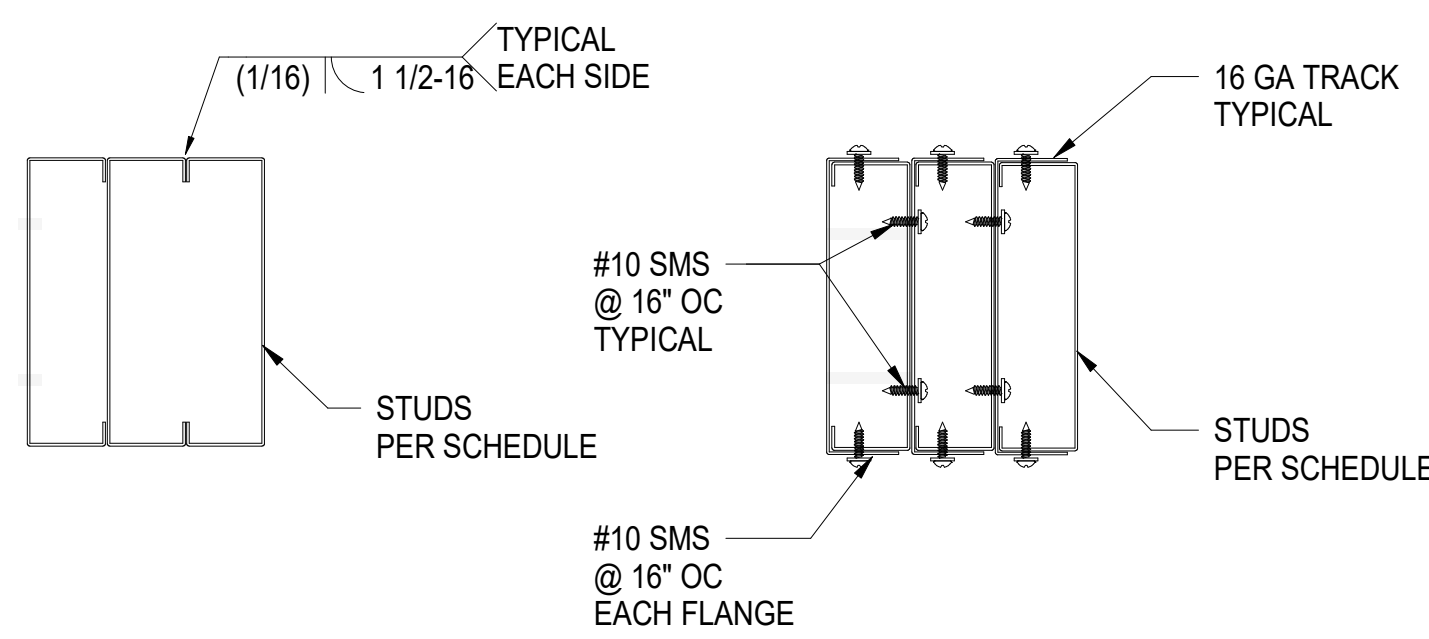


Diagram A: WELD OPTION
Diagram B: SCREW OPTION

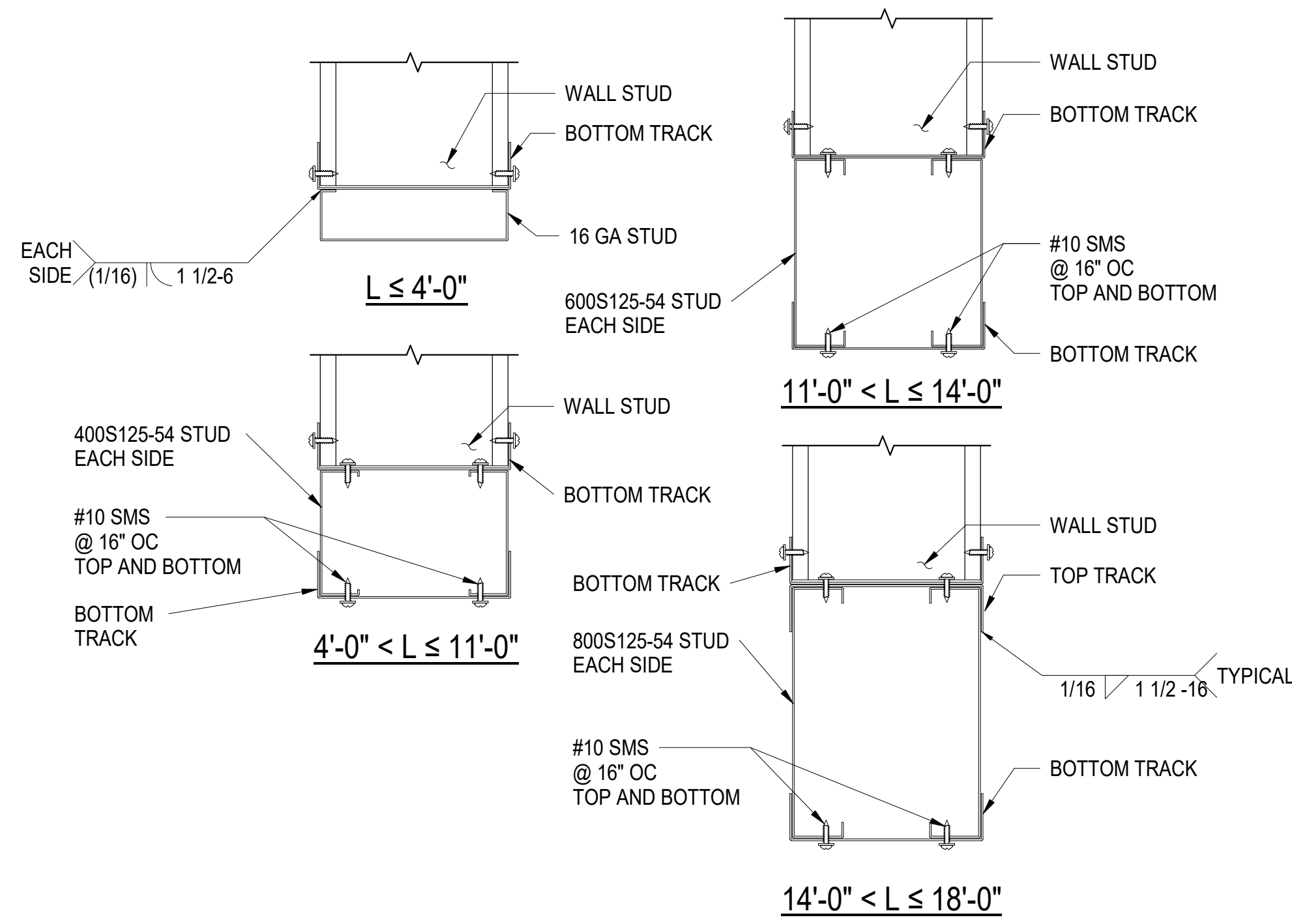
JAMB STUD SCHEDULE	
MAX ALLOWABLE OPENING WIDTH L OR COMBINED OPENING WIDTH L1 + L2 AT ADJACENT OPENING	STUDS
11'-0"	2-16GA STUDS
18'-0"	3-16GA STUDS

NOTES:

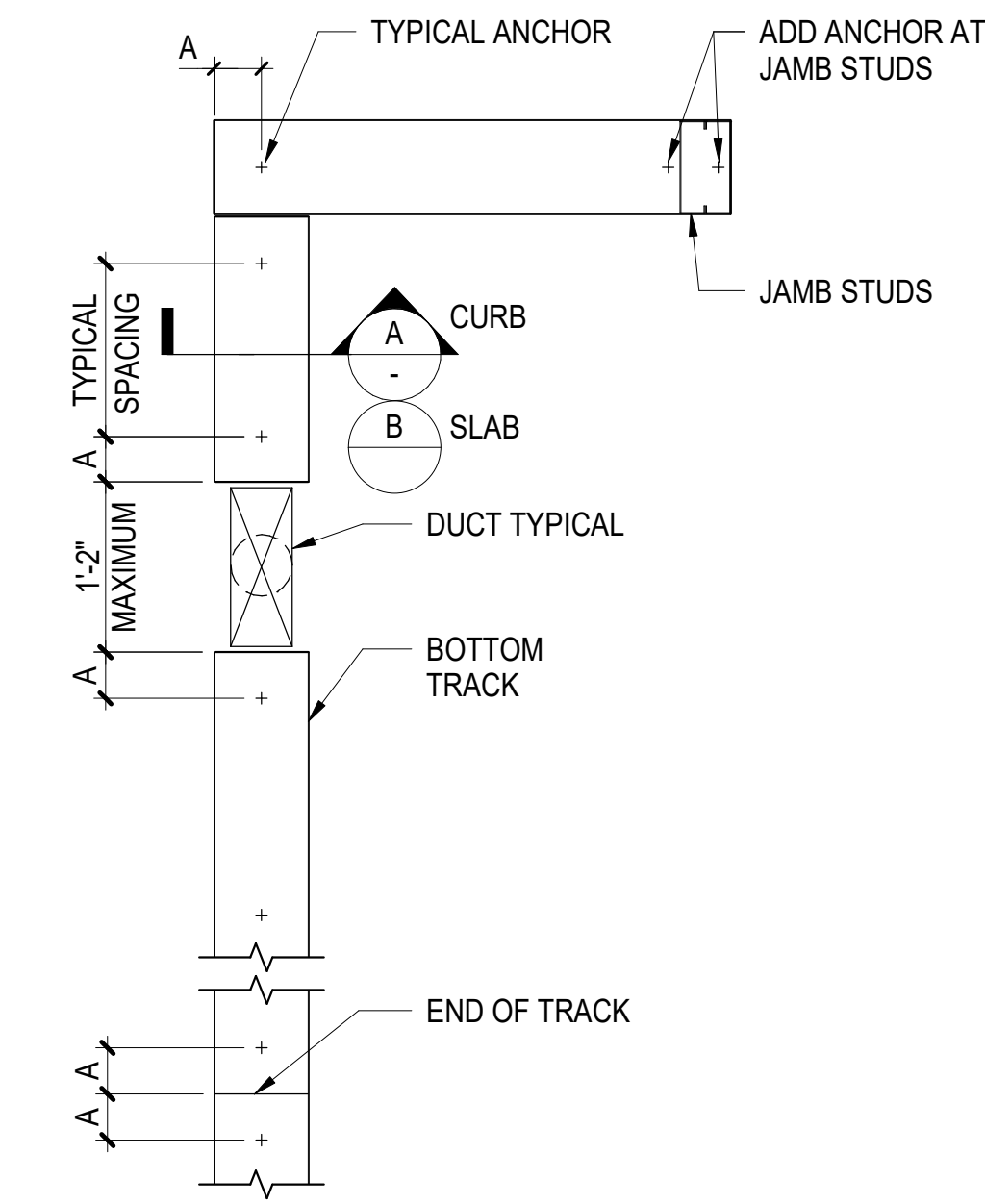
- JAMB STUDS DEPTHS SHALL MATCH TYPICAL WALL STUD DEPTHS.
- WHEN OPENING WIDTH IS GREATER THAN 14'-0" AND STORY "HT" IS GREATER THAN 14'-0", PROVIDE TOP TRACK REINF AT JAMB STUDS PER

6 TYPICAL INTERIOR JAMBS

SCALE: 3" = 1'-0"



D HEADER SECTION

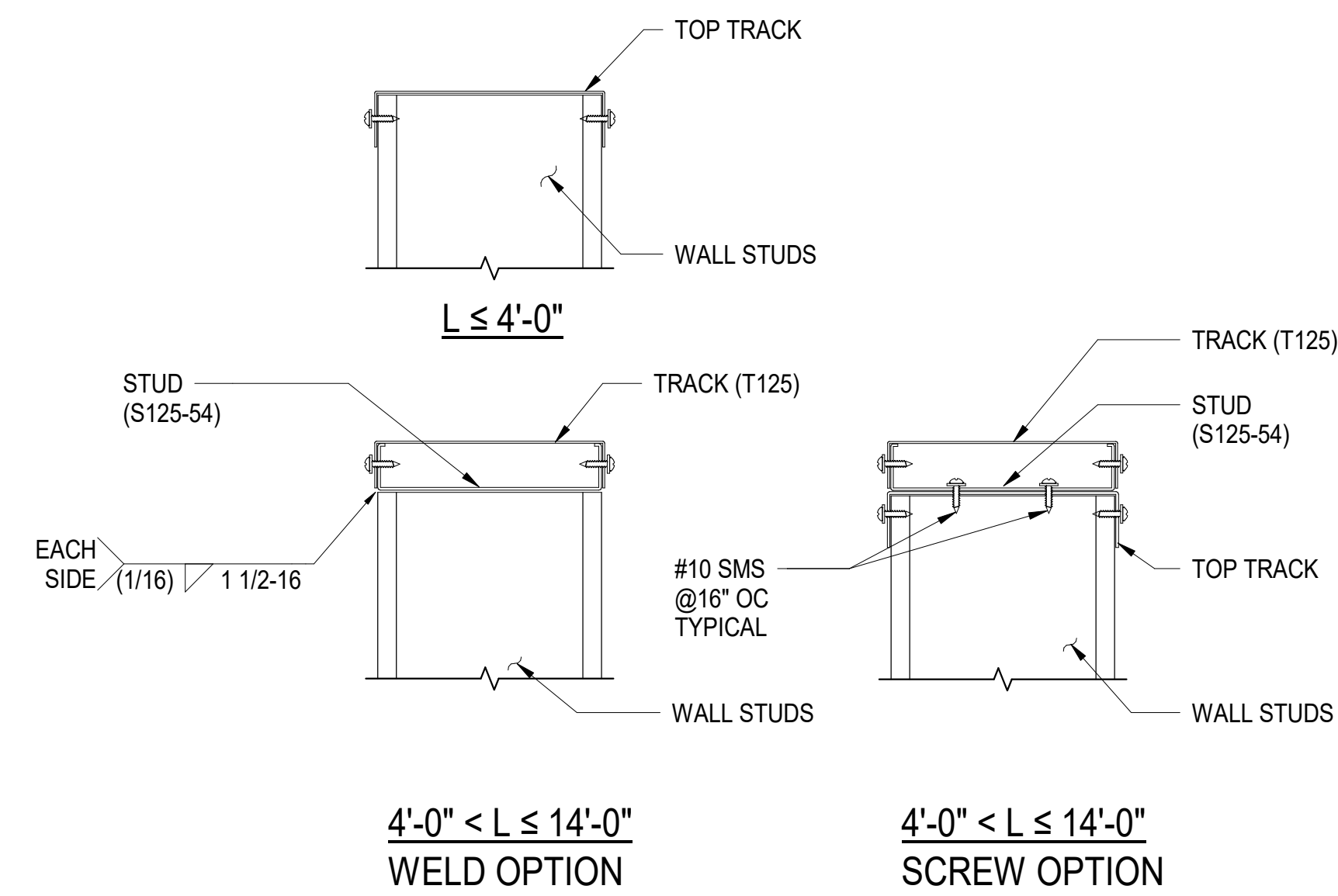


NOTES:

- "A" DIMENSION SHALL BE 4" MINIMUM AND 12" MAXIMUM.
- USE A MINIMUM OF 3 PAF IN EACH PIECE OF SILL TRACK.

2 TYPICAL INTERIOR BOTTOM TRACK

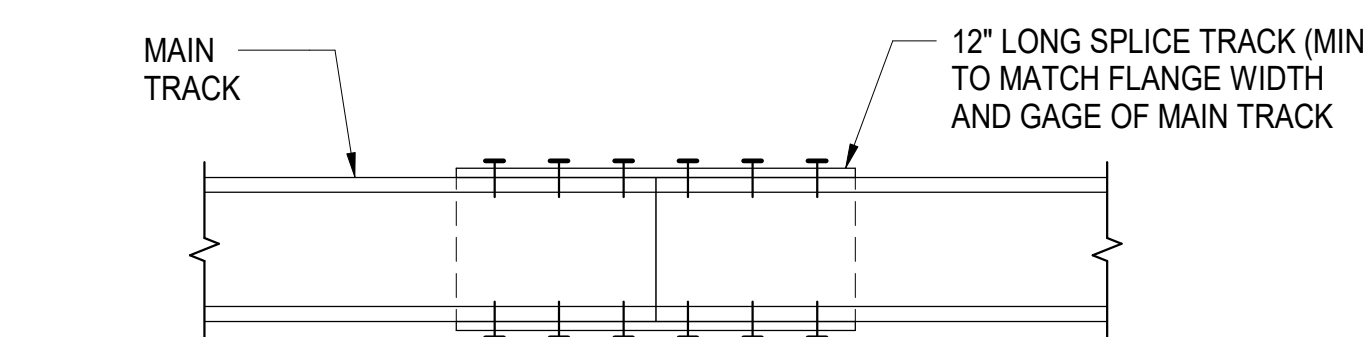
SCALE: 1" = 1'-0"



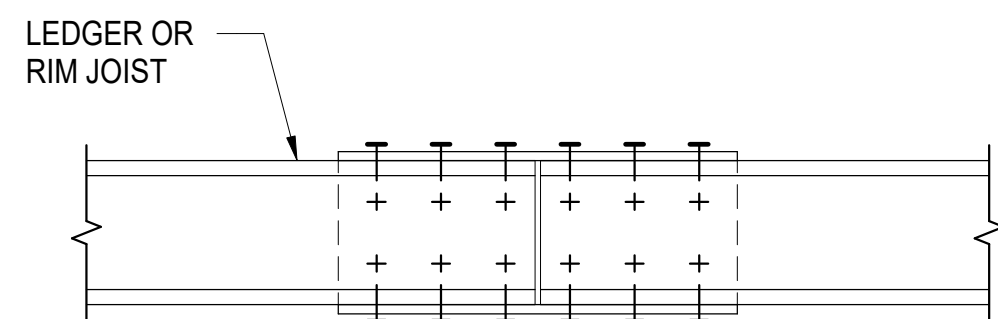
C SILL DETAILS

4 TYPICAL INTERIOR SILL AND JAMB CONNECTION

SCALE: 1" = 1'-0"



B TRACK SPLICE



A LEDGER AND RIM JOIST SPLICE

DEVELOP SPLICE FOR FULL MOMENT AND SHEAR CAPACITY AT SPLICE LOCATIONS

7 SPLICES

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

5 INTERIOR SILLS SECTION

3" = 1'-0"

REGENERON
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Project No. B17-DAYCARE

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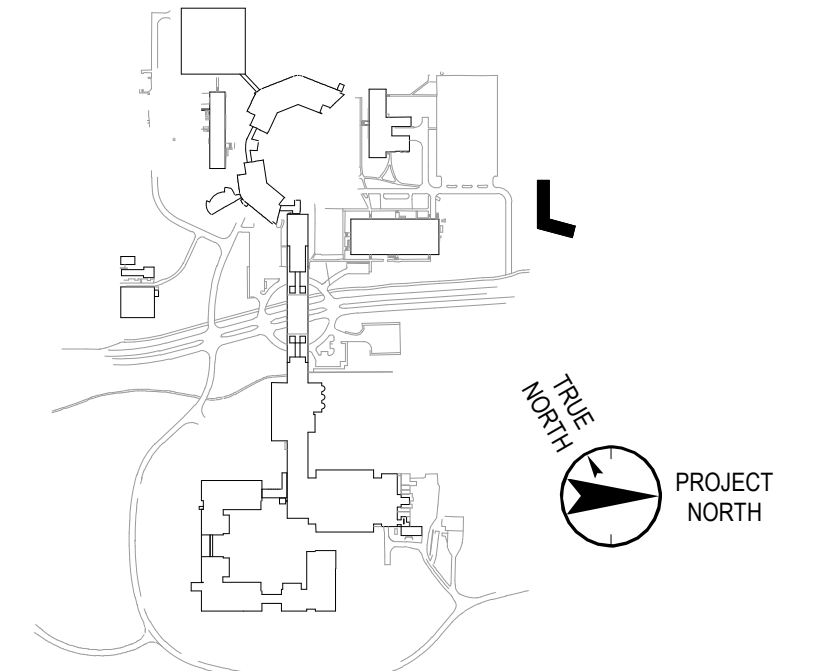
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Key Plan



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Plot Date: 03/08/22

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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: LGMF BEARING WALL
DETAILS II

Scale: As indicated Floor:

S-601

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NOTES:

1. DETAIL 2/S-602 MAY BE USED AS AN ALTERNATE.
2. IF STUD DEPTH IS GREATER THAN 6", USE DETAIL 2/S-602 .
3. AT CONTRACTOR'S OPTION, IN LIEU OF 16GA CRC, USE EITHER OF (WITH SCREWS PER MANUFACTURER'S REQUIREMENTS):
 - A. BRIDGECLIP BY THE STEEL NETWORK
 - B. SUBHIMSUBH BRIDGING CONNECTOR BY SIMPSON STRONG-TIE.
4. FINAL BRIDGING DETAILS AND CONNECTION TO BE ENGINEERED BY THE CONTRACTOR USING THE DESIGN CRITERIA PROVIDED IN THE CONTRACT DOCUMENTS

SCALE: 1" = 1'-0"



1. FLAT STRAP BRIDGING MAY BE OMITTED ON EITHER SIDE OF STUD WHERE GYPSUM OR LATH OR PLYWOOD IS PROVIDED AND ATTACHED WITH FASTENERS AT 12" OC MAXIMUM ALONG THE FULL HEIGHT OF EACH WALL STUD
2. 4. FINAL BRIDGING DETAILS AND CONNECTIONS TO BE ENGINEERED BY THE CONTRACTOR USING THE DESIGN CRITERIA PROVIDED IN THE CONTRACT DOCUMENTS

SCALE: 1" = 1'-0"