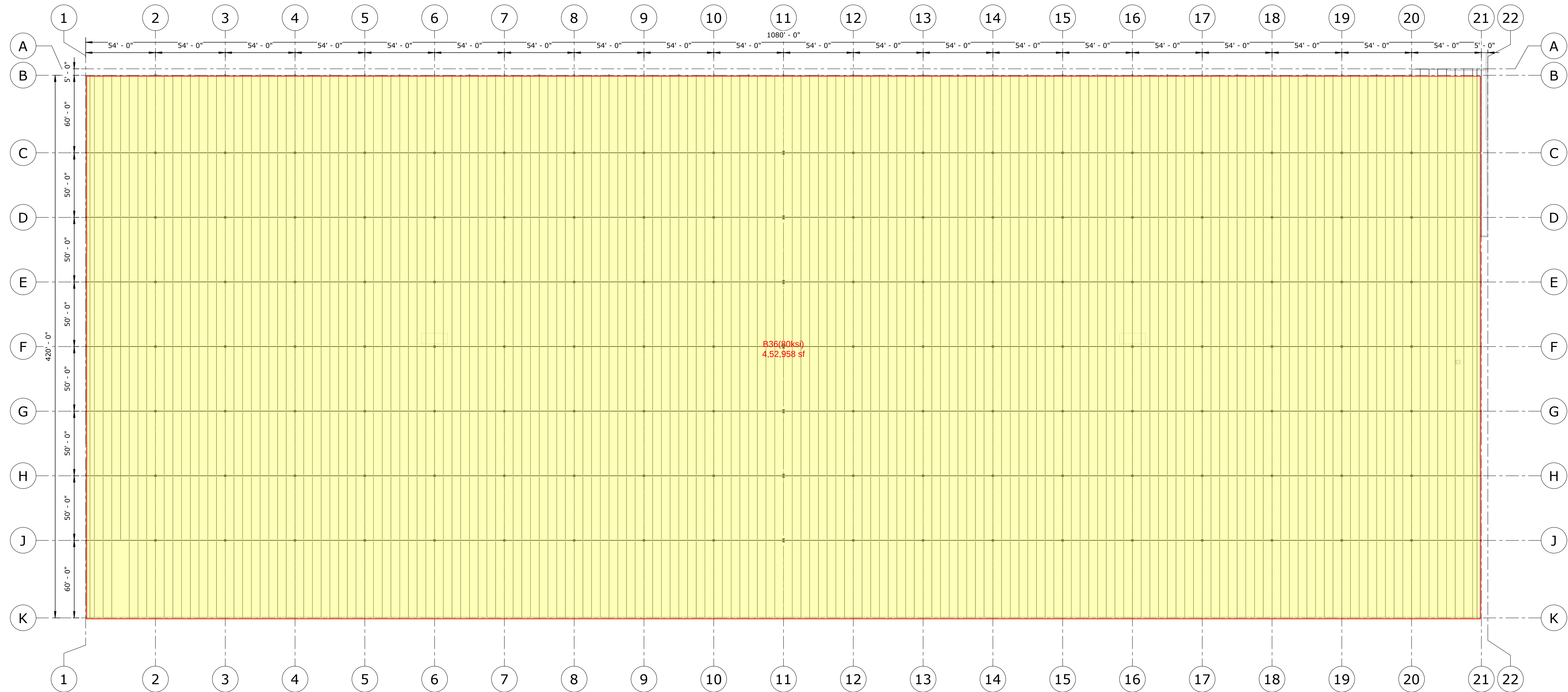




1 OVERALL ROOF FRAMING PLAN
S3.0 SCALE: 1" = 40'-0"

TOTAL DECK:
1.5B, 22Ga, PTD = 4622 SQ
1.5 COMP, 20Ga, G60 = 7 SQ
1.5 COMP 18Ga, G60 = 140 SQ
ACCESSORIES
#10TEK SCREW = 234 BOX
CC1 = 360 FT.

Qualifications:
Floor deck quoted with G60 finish & Roof deck quoted with Painted Gray/White finish.
OMD assumes EOR has accounted for all applicable loads.

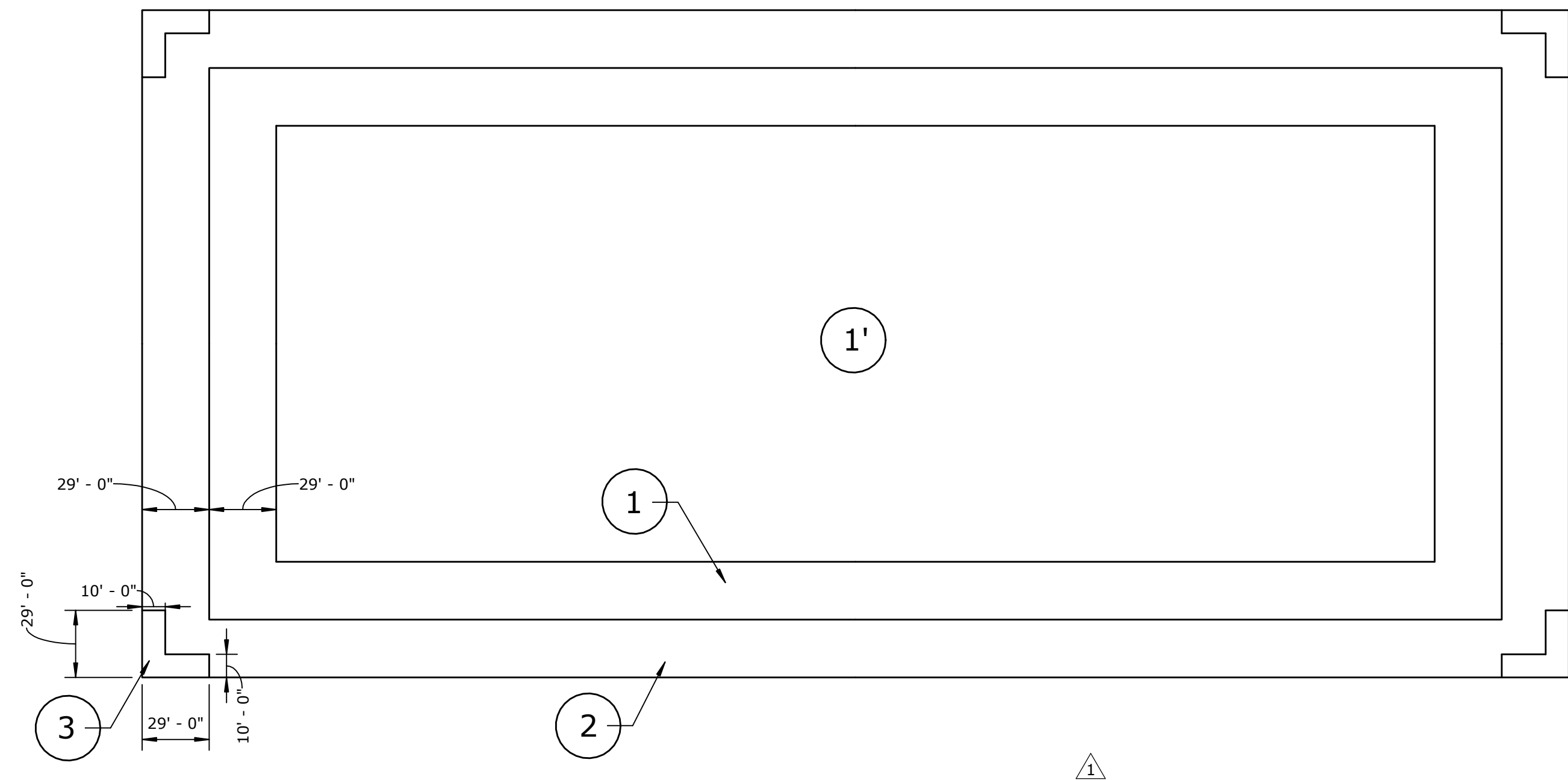
Exclusions:
Pourstop, 9/16" Form deck @ Stair per section 1/S9.3 (location not found).
Sump pans.
Load from L3 x 3 per section 2/S5.3.
Loading & Special web geometry for Sprinkler line.
Load from Ladder support.
Reinforcement of Existing Joists.

1	9	16	22
A	SEE S3.1	SEE S3.2	SEE S3.3
F	SEE S3.4	SEE S3.5	SEE S3.6
K			

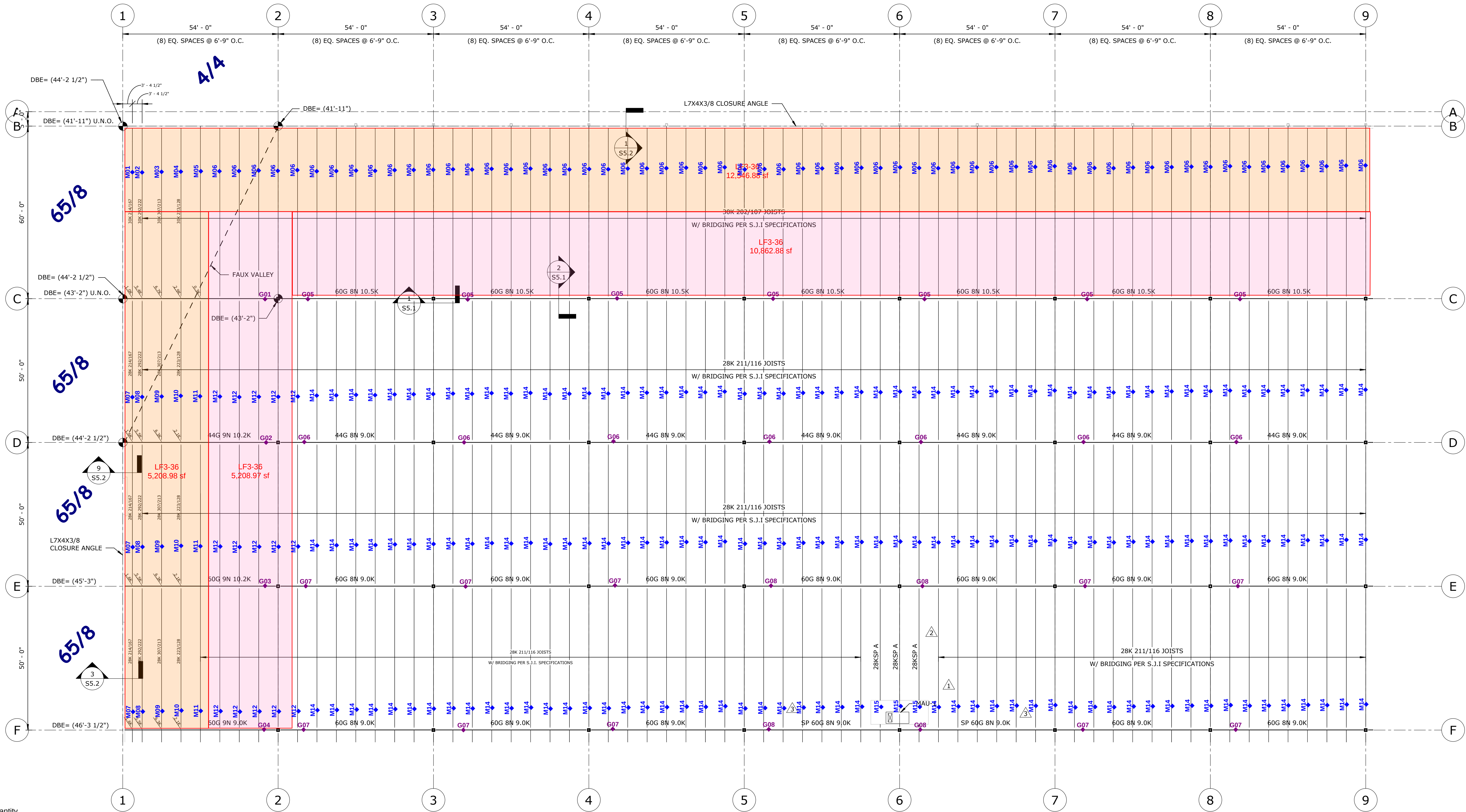
C&C ROOF PRESSURES
ROOF SUCTION (T.A. = 100 SQ-FT)

ZONE 1' = (-28 PSF)
ZONE 1 = (-38 PSF)
ZONE 2 = (-50 PSF)
ZONE 3 = (-59 PSF)

NOTES:
PRESSURES SHOWN ARE BASED ON VuIt.
MULTIPLY PRESSURES BY 0.6 TO OBTAIN
NOMINAL DESIGN PRESSURES. TO DETERMINE
NET UPLIFT AT ROOF USE 0.6*ROOF DEAD
LOAD



2 WIND UPLIFT DIAGRAM
S3.0 SCALE: N.T.S.



Joist		
Description	Quantity	
G01	1	
G02	1	
G03	1	
G04	1	
G05	7	
G06	7	
G07	10	
G08	4	
M01	1	
M02	1	
M03	1	
M04	1	
M05	1	
M06	60	
M07	3	
M08	3	
M09	3	
M10	3	
M11	3	
M12	15	
M14	162	
M15	3	

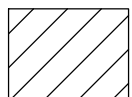
1 PARTIAL ROOF FRAMING PLAN

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

NOTES & LEGEND

- ATTACH 22 GAUGE ROOF DECK PER VULCRAFT ATTACHMENT PATTERN 36/7 W/ (7) SIDELAP FASTENERS PER SPAN, UTILIZE 5/8" DIA. PUDDLE WELDS AT SUPPORTS AND PERIMETER AND #10 TEK SIDELAP FASTENERS.

PROVIDE 1 1/2" DEEP, 22GA. WIDE RIB (TYPE B) STEEL ROOF DECKING, GRADE 80 KSI.
- JOIST SEATS BEARING AT THE PERIMETER TILT WALL PANELS SHALL BE DESIGNED FOR A MINIMUM ALLOWABLE LATERAL "ROLL OVER" CAPACITY OF 1.1 KIPS. PROVIDE STIFFENED JOIST SEATS IF NECESSARY.
- JOIST SEATS BEARING AT THE JOIST GIRDERS SHALL BE DESIGNED FOR A MINIMUM ALLOWABLE LATERAL "ROLL OVER" CAPACITY OF 1.0 KIPS. PROVIDE STIFFENED JOIST SEATS IF NECESSARY.
- PROVIDE BRIDGING FOR ALL JOISTS PER S.J.I. SPECIFICATIONS.
- SEE DETAIL 14/S4.1 FOR ROOF CHORD ANGLE SPLICE. ALL ROOF CHORD ANGLES ARE TO BE CONTINUOUS AROUND PERIMETER OF DECK.
- AT SLOPING JOIST GIRDERS, PROVIDE BEARING SEATS THAT CONSIDER THE ROOF SLOPE AND PROVIDE A LEVEL BEARING AT THE ENDS.

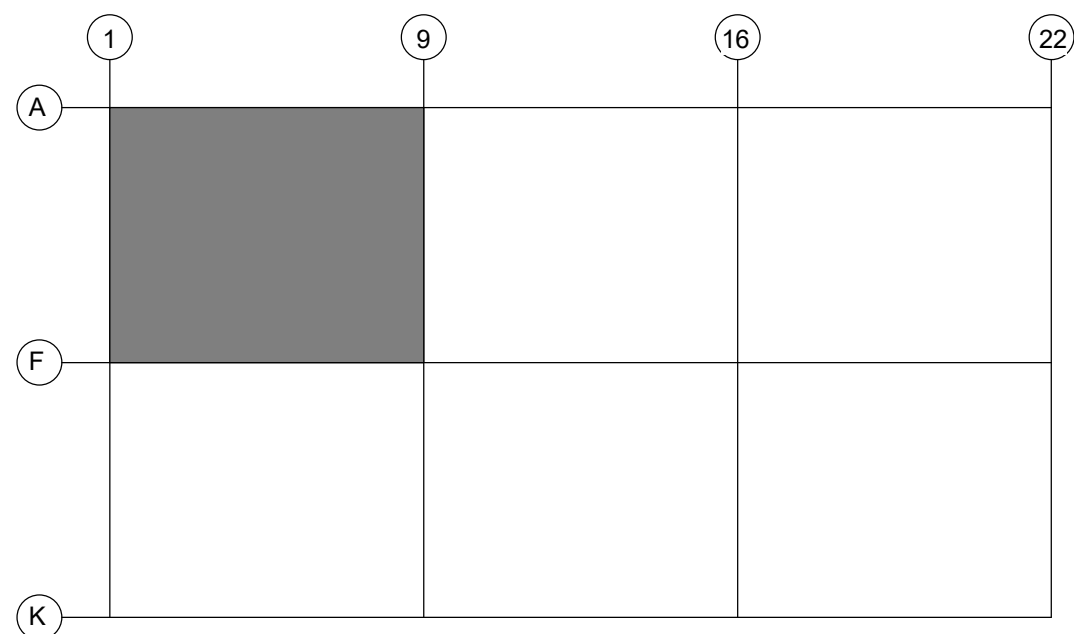
- G.C./SPRINKLER SUB. TO COORDINATE JOIST BRIDGING LOCATIONS WITH SPRINKLER PIPE LOCATIONS.
- SEE S4.1 FOR SUPPLEMENTAL FRAMING REQUIRED AT OPENING FOR ROOF TOP EQUIPMENT SUPPORT. OPENINGS IN ROOF GREATER THAN 12" IN DIAMETER SHALL HAVE SUPPLEMENTAL FRAMING.
- SEE S1.0 FOR UPLIFT PRESSURES FOR BAR JOIST & JOIST GIRDER DESIGN
- L1 - INDICATES L3x3x1/4" KICKER FROM BOTTOM FLANGE OF BEAM TO TOP OF ADJACENT JOIST AT ROOF W/ MAX. SPACING @12'-6" O.C.
-  INDICATES OFFICE AREA
- LOCATION AND WEIGHT OF RTU'S IS BASED ON MECH. DRAWINGS. G.C. TO VERIFY.
-  INDICATES MECHANICAL ZONE. DESIGN JOISTS TO SUPPORT ADD'L LOAD OF (1) 2500# ROOF TOP UNIT ANYWHERE ALONG JOIST TOP CHORDS WITHIN ZONE. GIRDERS HAVED ADDITIONAL LOAD SHOWN AT LOCATIONS
- MAU- INDICATES 1500# MAU ROOF TOP UNIT. VERIFY WITH MECH. DRAWINGS

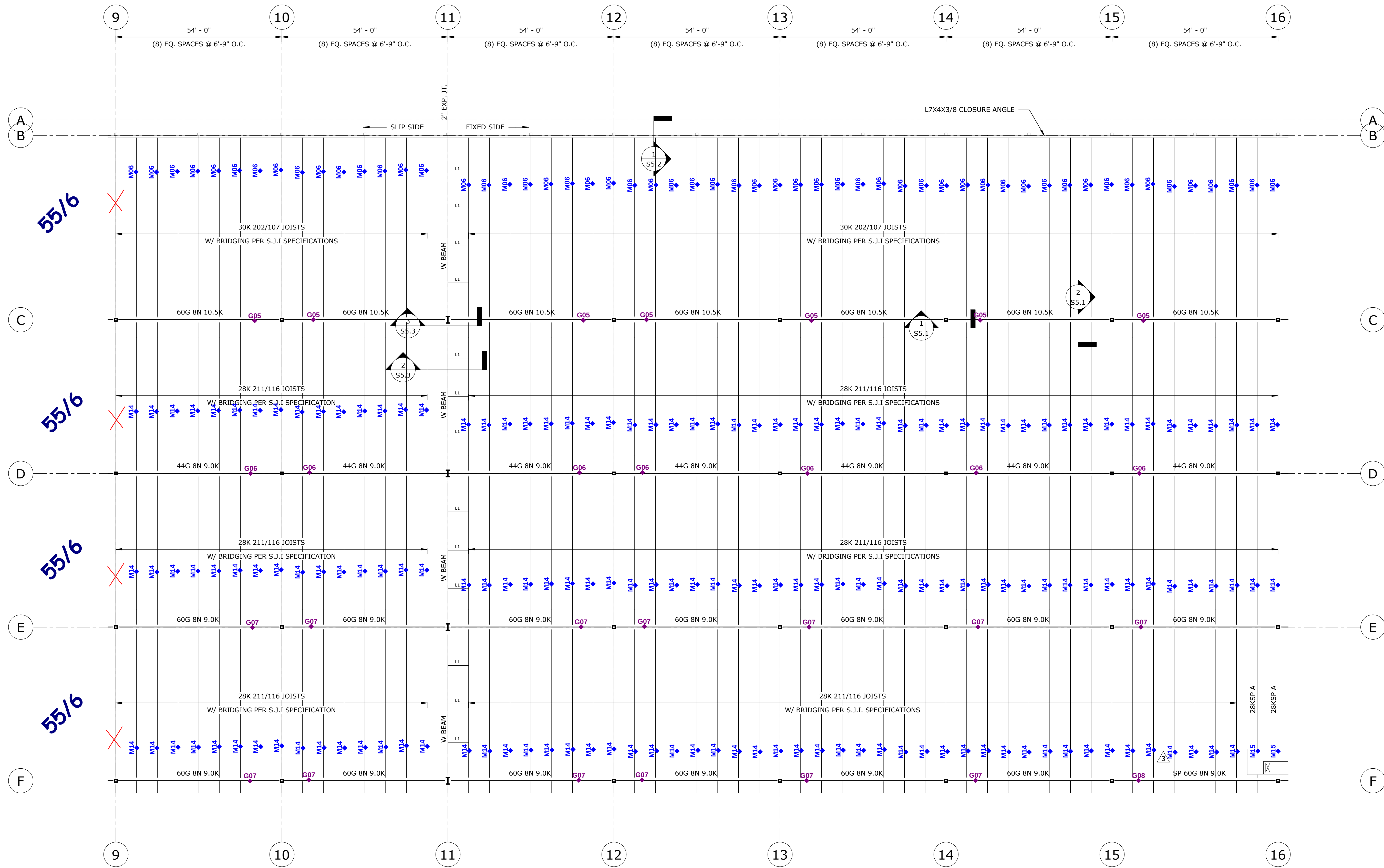
- 28KSP A- INDICATES 28K 211/116 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MAU
- 28KSP B- INDICATES 28K 232/117 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MECHANICAL ZONE
- 36LHSP- INDICATES 36LH 223/108 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MECHANICAL ZONE
- SP XXG X9 XXX- INDICATES JOIST GIRDER DESIGNED TO SUPPORT ADDITIONAL LOAD OF MAU
-  INDICATES ADDITIONAL POINT LOAD DUE TO SNOW DRIFT IN KIPS

JOIST LOAD DESIGNATIONS

JOIST DEPTH (in.) 28K 211/116
DIST. TOTAL LOAD/ DIST. LIVE LOAD (ASD, PLF)

J=260/32
G=32/32





Joist		
Description	Quantity	
G05	7	
G06	7	
G07	13	
G08	1	
M06	55	
M14	163	
M15	2	

1 PARTIAL ROOF FRAMING PLAN
S3.2 SCALE: 1/16" = 1'-0"

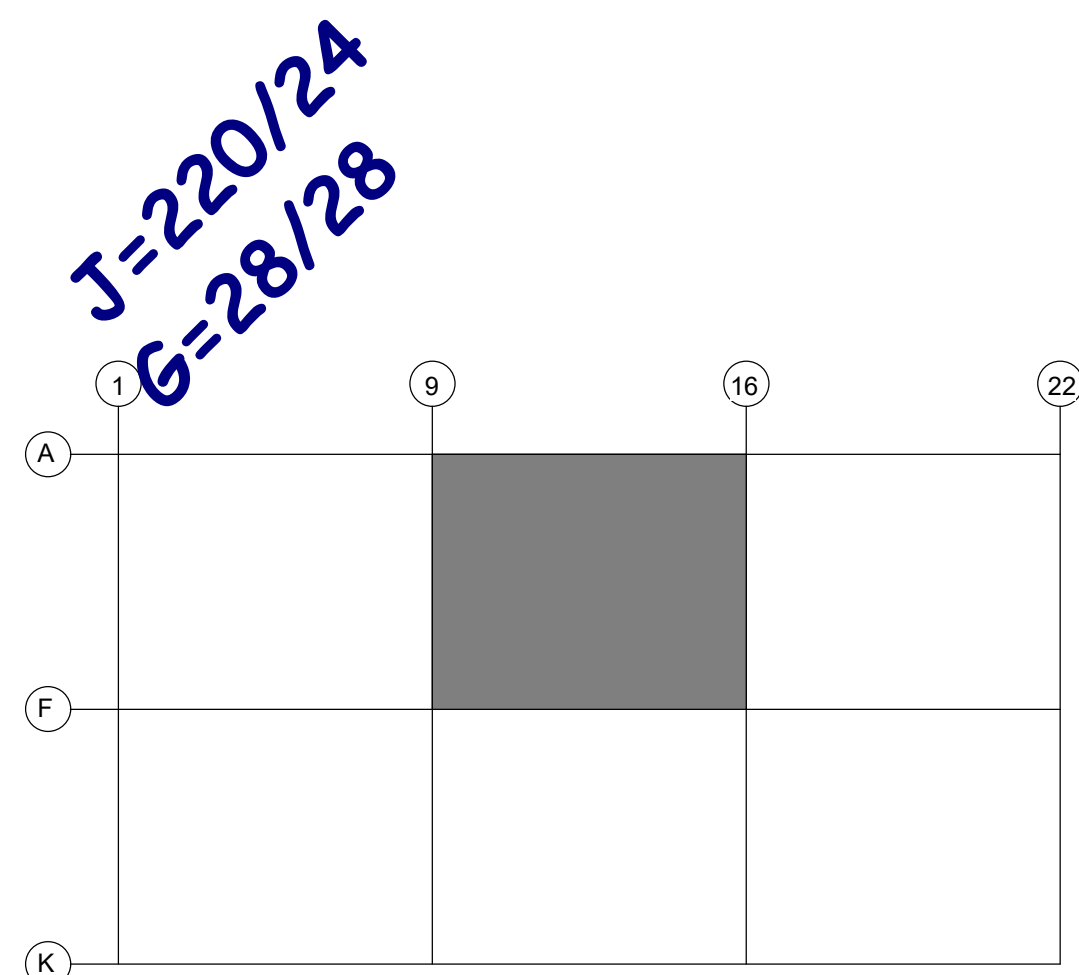
NOTES & LEGEND

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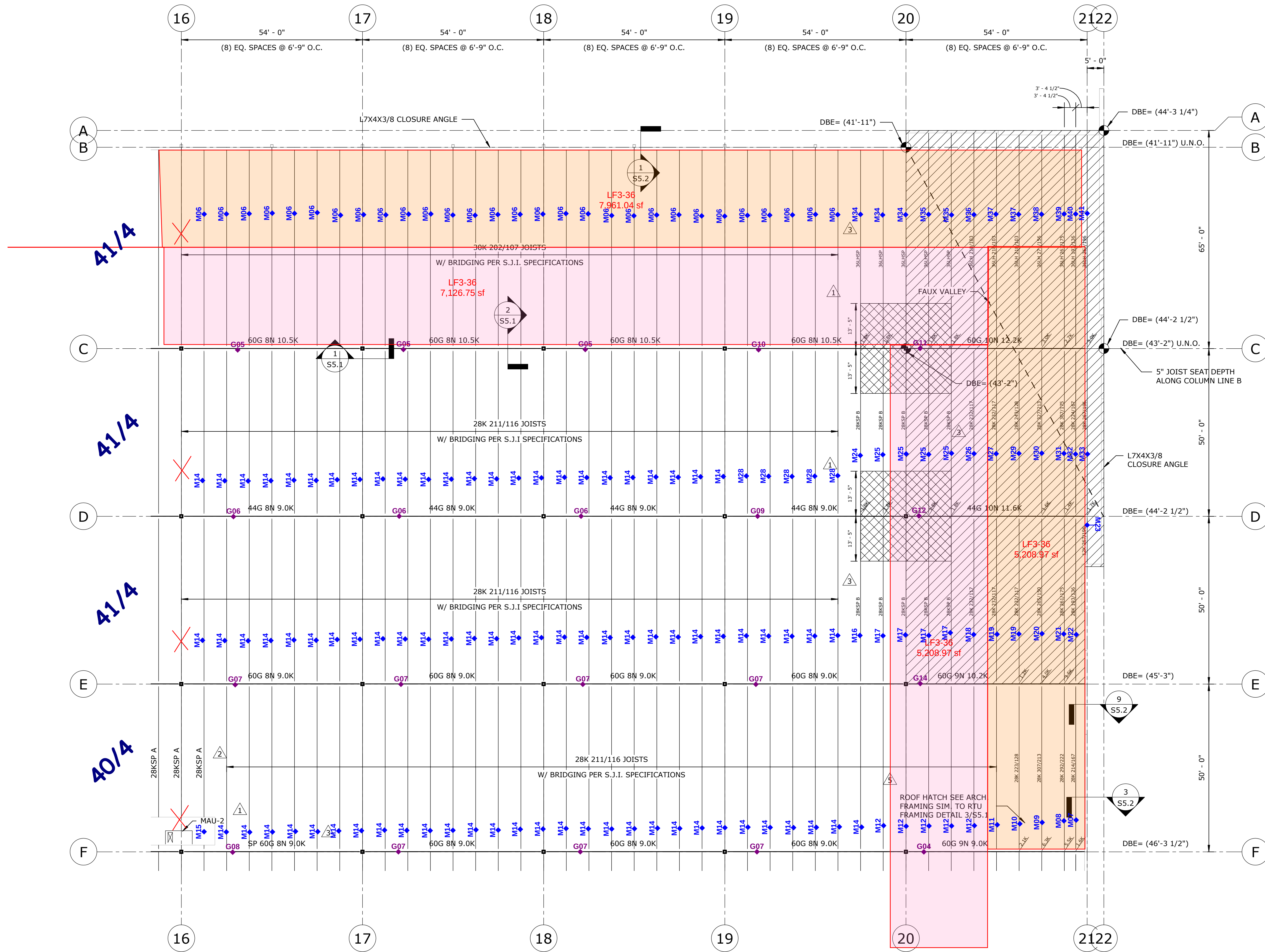
- G.C./SPRINKLER SUB. TO COORDINATE JOIST BRIDGING LOCATIONS WITH SPRINKLER PIPE LOCATIONS.
- SEE S4.1 FOR SUPPLEMENTAL FRAMING REQUIRED AT OPENING FOR ROOF TOP EQUIPMENT SUPPORT. OPENINGS IN ROOF GREATER THAN 12" IN DIAMETER SHALL HAVE SUPPLEMENTAL FRAMING.
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- MAU- INDICATES 1500# MAU ROOF TOP UNIT. VERIFY WITH MECH. DRAWINGS

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- SP XXG X9 XXK- INDICATES JOIST GIRDER DESIGNED TO SUPPORT ADDITIONAL LOAD OF MAU
- INDICATES ADDITIONAL POINT LOAD DUE TO SNOW DRIFT IN KIPS

JOIST LOAD DESIGNATIONS
JOIST DEPTH (in.) 28K 211/116
DIST. TOTAL LOAD/ DIST. LIVE LOAD (ASD, PLF)

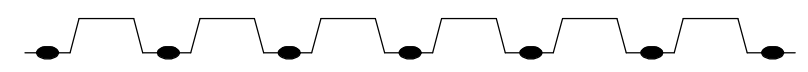
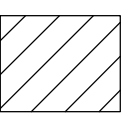
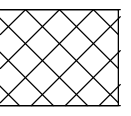


Joist		
Description	Quantity	
G04	1	
G05	3	
G06	3	
G07	7	
G08	1	
G09	1	
G10	1	
G11	1	
G12	1	
G14	1	
M06	29	
M07	1	
M08	1	
M09	1	
M10	1	
M11	1	
M12	5	
M14	82	
M15	1	
M16	1	
M17	4	
M18	1	
M19	2	
M20	1	
M21	1	
M22	1	
M23	1	
M24	1	
M25	4	
M26	1	
M27	1	
M28	5	
M29	1	
M30	1	
M31	1	
M32	1	
M33	1	
M34	3	
M35	2	
M36	1	
M37	2	
M38	1	
M39	1	
M40	1	



1 PARTIAL ROOF FRAMING PLAN
S3.3 SCALE: 1/16" = 1'-0"

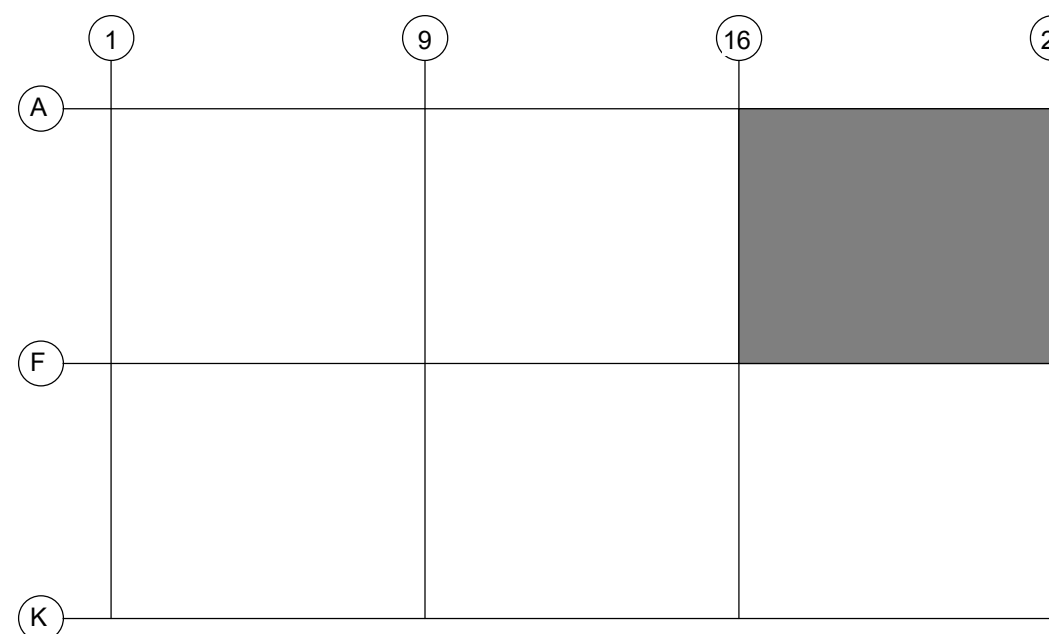
NOTES & LEGEND

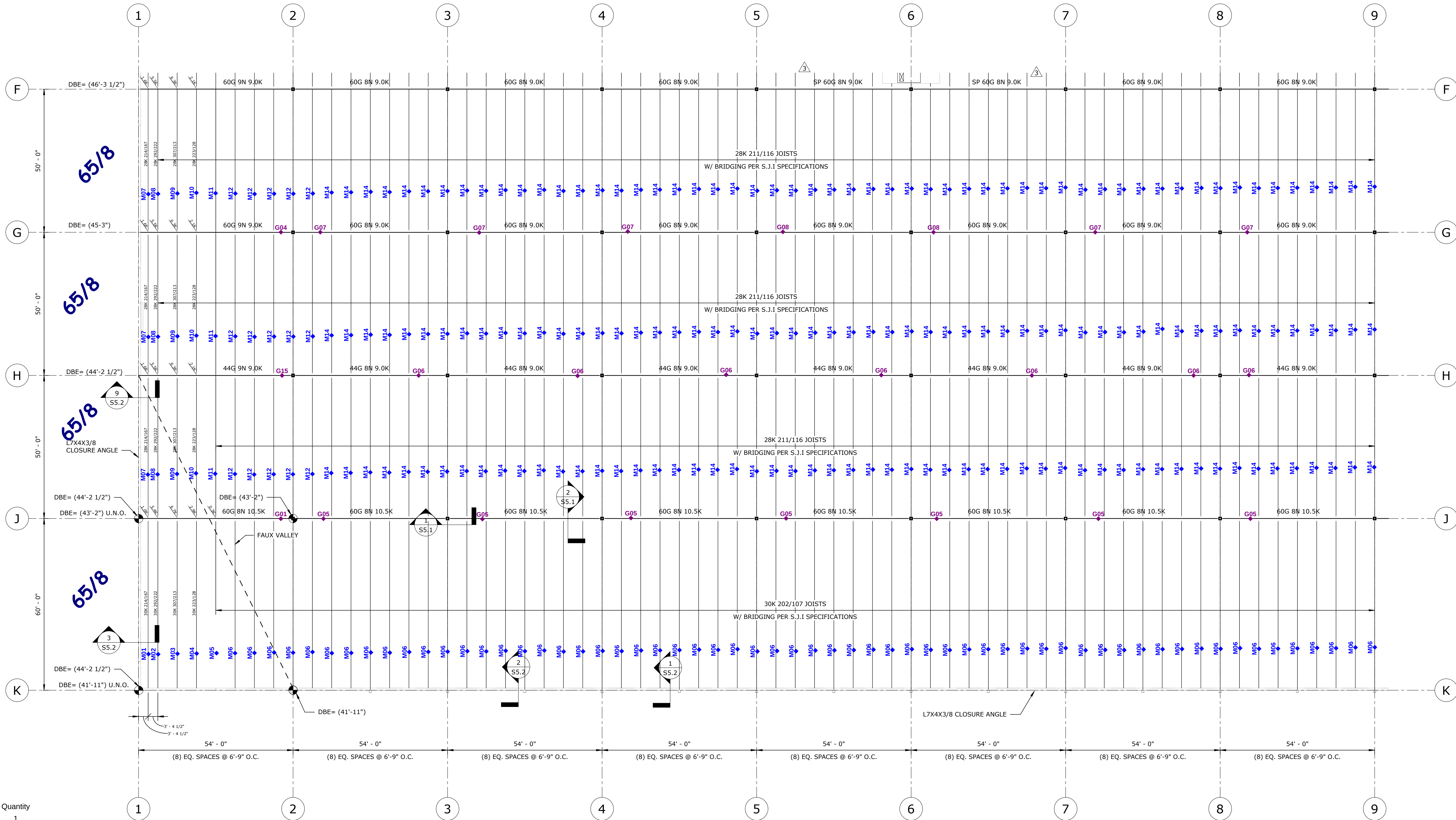
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PROVIDE 1 1/2" DEEP, 22GA. WIDE RIB (TYPE B) STEEL ROOF DECKING, GRADE 80 KSI.
- JOIST SEATS BEARING AT THE PERIMETER TILT WALL PANELS SHALL BE DESIGNED FOR A MINIMUM ALLOWABLE LATERAL "ROLL OVER" CAPACITY OF 1.1 KIPS. PROVIDE STIFFENED JOIST SEATS IF NECESSARY.
- JOIST SEATS BEARING AT THE JOIST GIRDERS SHALL BE DESIGNED FOR A MINIMUM ALLOWABLE LATERAL "ROLL OVER" CAPACITY OF 1.0 KIPS. PROVIDE STIFFENED JOIST SEATS IF NECESSARY.
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- SEE DETAIL 14/54.1 FOR ROOF CHORD ANGLE SPLICE. ALL ROOF CHORD ANGLES ARE TO BE CONTINUOUS AROUND PERIMETER OF DECK.
- AT SLOPING JOIST GIRDERS, PROVIDE BEARING SEATS THAT CONSIDER THE ROOF SLOPE AND PROVIDE A LEVEL BEARING AT THE ENDS.
- G.C./SPRINKLER SUB. TO COORDINATE JOIST BRIDGING LOCATIONS WITH SPRINKLER PIPE LOCATIONS.
- SEE 54.1 FOR SUPPLEMENTAL FRAMING REQUIRED AT OPENING FOR ROOF TOP EQUIPMENT SUPPORT. OPENINGS IN ROOF GREATER THAN 12" IN DIAMETER SHALL HAVE SUPPLEMENTAL FRAMING.
- SEE S1.0 FOR UPLIFT PRESSURES FOR BAR JOIST & JOIST GIRDER DESIGN
- L1 - INDICATES L3x3x1/4" KICKER FROM BOTTOM FLANGE OF BEAM TO TOP OF ADJACENT JOIST AT ROOF W/ MAX. SPACING @12'-6" O.C.
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- LOCATION AND WEIGHT OF RTU'S IS BASED ON MECH. DRAWINGS. G.C. TO VERIFY.
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- MAU- INDICATES 1500# MAU ROOF TOP UNIT. VERIFY WITH MECH. DRAWINGS
- 28KSP A- INDICATES 28K 211/116 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MAU
- 28KSP B- INDICATES 28K 232/117 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MECHANICAL ZONE
- 36LHSP- INDICATES 36LH 223/108 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MECHANICAL ZONE
- SP XXX- INDICATES JOIST GIRDER DESIGNED TO SUPPORT ADDITIONAL LOAD OF MAU
-  INDICATES ADDITIONAL POINT LOAD DUE TO SNOW DRIFT IN KIPS

JOIST LOAD DESIGNATIONS

JOIST DEPTH (in.) 28K 211/116
DIST. TOTAL LOAD/ DIST. LIVE LOAD (ASD, PLF)

J=163/16
G=20/20





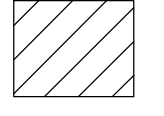
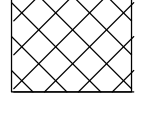
Joist	
Description	Quantity
G01	1
G04	1
G05	7
G06	7
G07	5
G08	2
G15	1
M01	1
M02	1
M03	1
M04	1
M05	1
M06	60
M07	3
M08	3
M09	3
M10	3
M11	3
M12	15
M14	165

1 PARTIAL ROOF FRAMING PLAN S3.4 SCALE: 1/16" = 1'-0"

NOTES & LEGEND

- ATTACH 22 GAUGE ROOF DECK PER VULCRAFT ATTACHMENT PATTERN 36/7 W/ (7) SIDELAP FASTENERS PER SPAN. UTILIZE 5/8" DIA. PUDDLE WELDS AT SUPPORTS AND PERIMETER AND #10 TEK SIDELAP FASTENERS.

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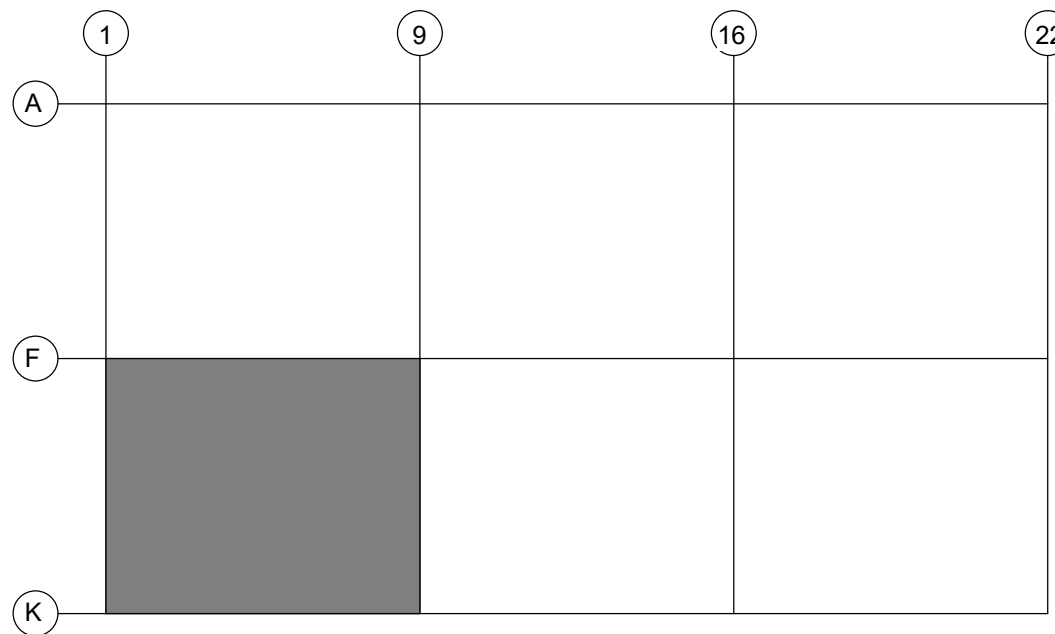
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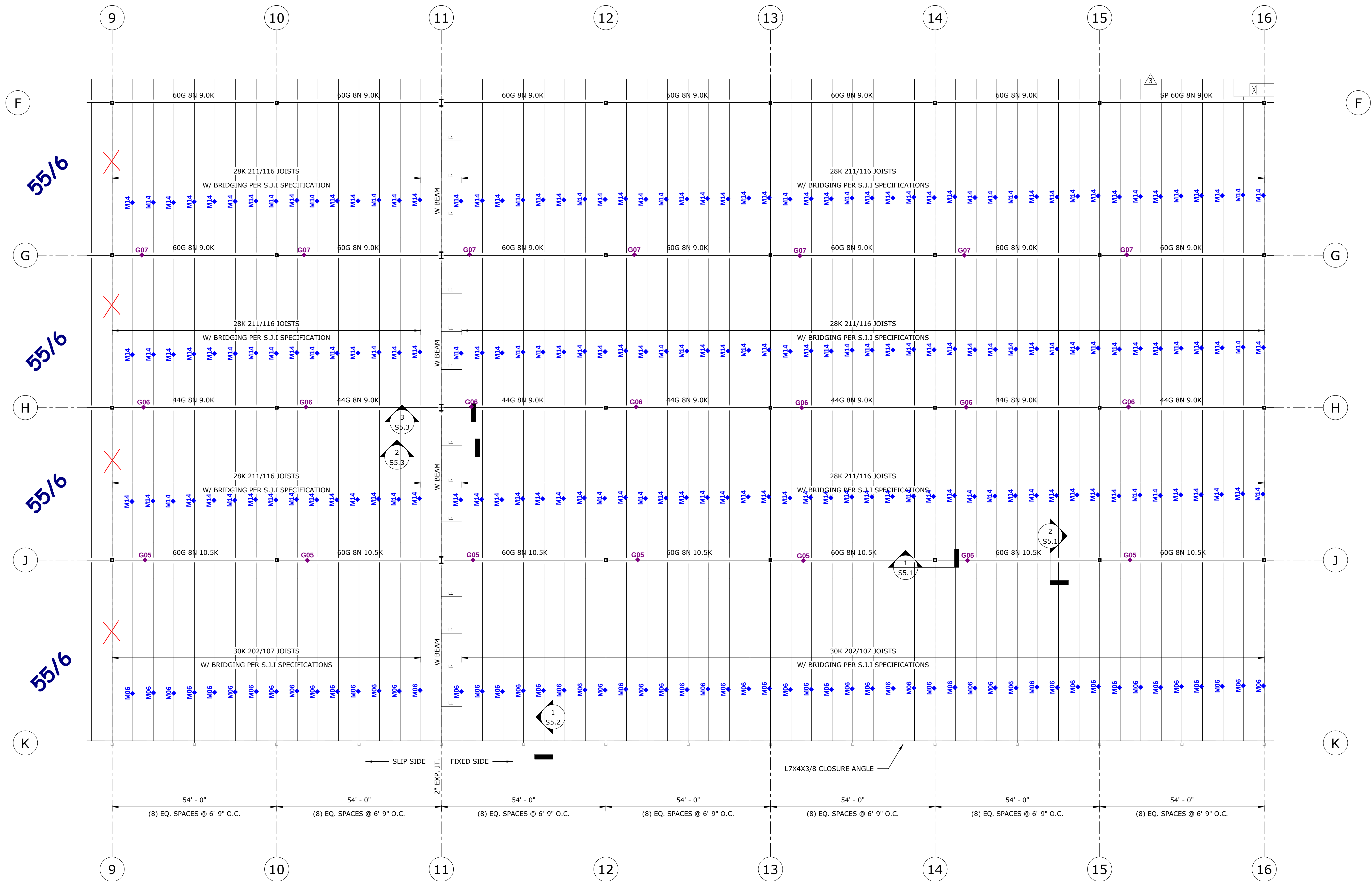
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- SP XXG X9 XXX- INDICATES JOIST GIRDER DESIGNED TO SUPPORT ADDITIONAL LOAD OF MAU
-  INDICATES ADDITIONAL POINT LOAD DUE TO SNOW DRIFT IN KIPS

JOIST LOAD DESIGNATIONS

28K 211/116
JOIST DEPTH (in.) DIST. TOTAL LOAD/ DIST. LIVE LOAD (ASD, PLF)

J=260/32
G=24/24





Joist		
Description	Quantity	
G05	7	
G06	7	
G07	7	
M06	55	
M14	165	

1 PARTIAL ROOF FRAMING PLAN

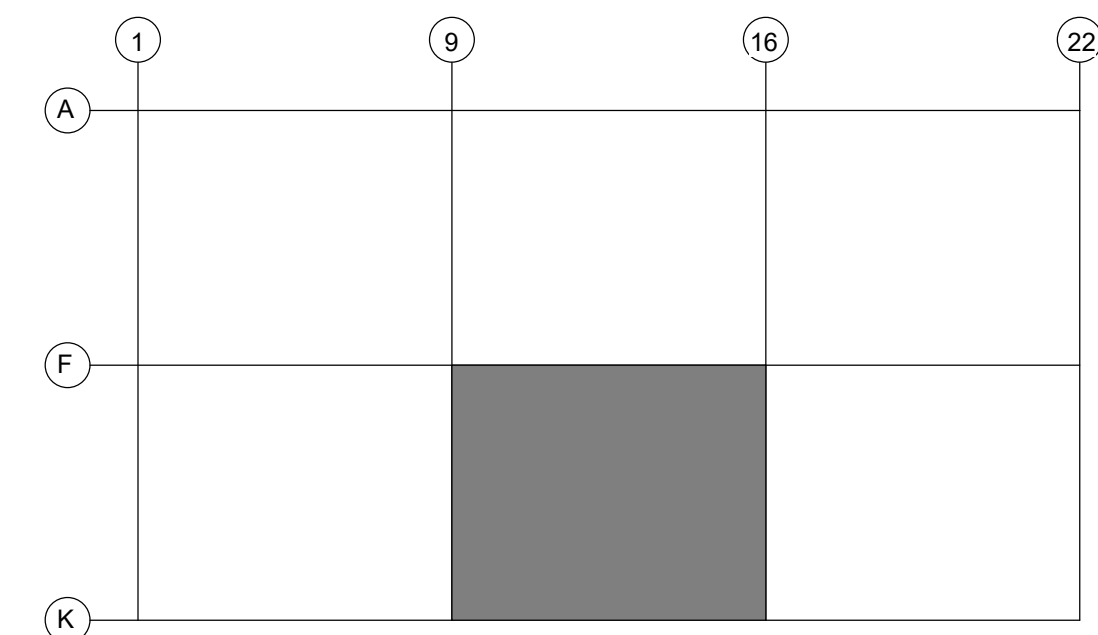
SCALE: 1/16" = 1'-0"

NOTES & LEGEND

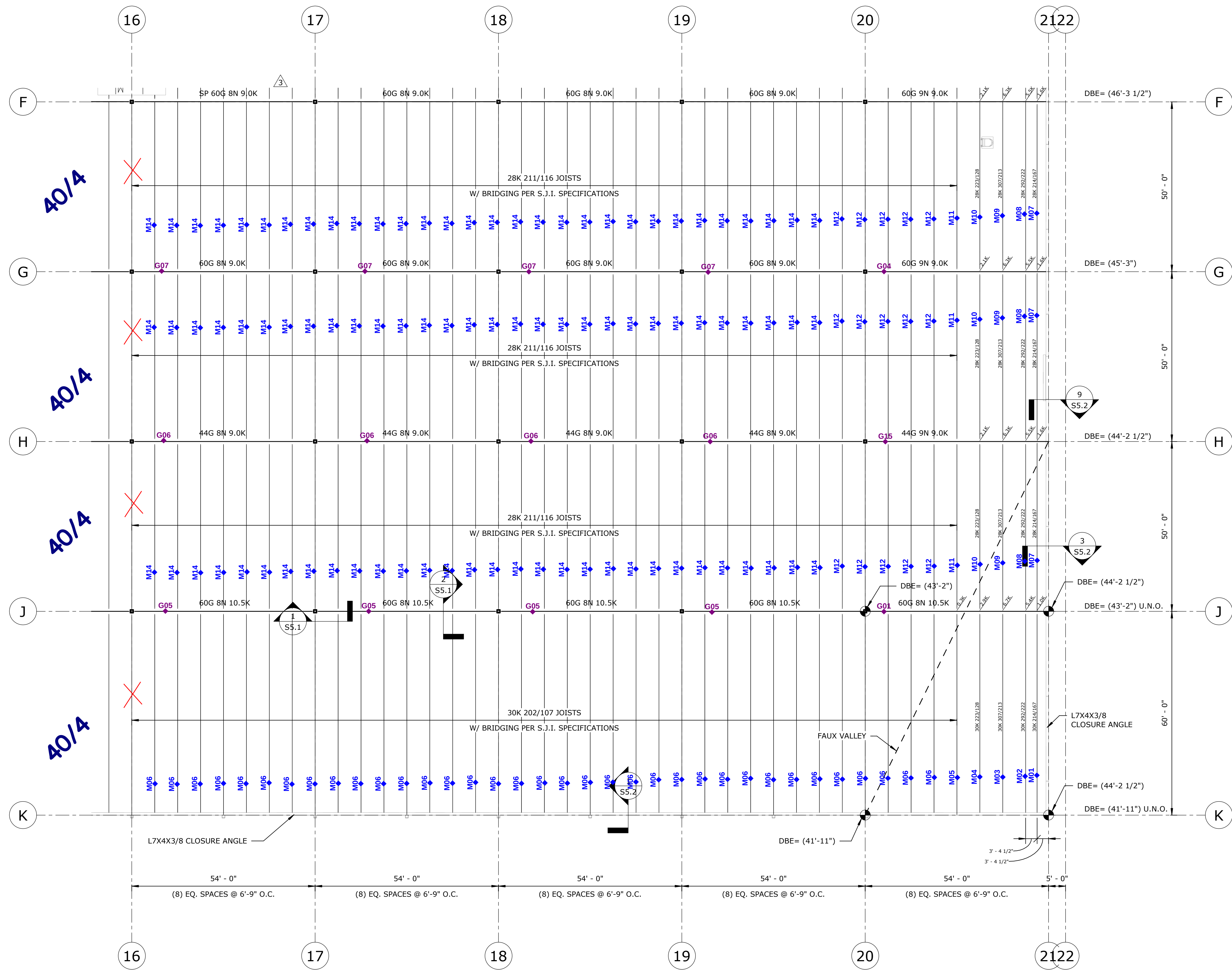
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- INDICATES ADDITIONAL POINT LOAD DUE TO SNOW DRIFT IN KIPS
- JOIST LOAD DESIGNATIONS
28K 211/116
JOIST DEPTH (in.) DIST. TOTAL LOAD/ DIST. LIVE LOAD (ASD, PLF)



J=220/24
G=21/21



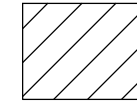
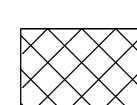
Joist		
Description	Quantity	
G01	1	
G04	1	
G05	4	
G06	4	
G07	4	
G15	1	
M01	1	
M02	1	
M03	1	
M04	1	
M05	1	
M06	35	
M07	3	
M08	3	
M09	3	
M10	3	
M11	3	
M12	15	
M14	90	

1 PARTIAL ROOF FRAMING PLAN SCALE: 1/16" = 1'-0"

NOTES & LEGEND

- ATTACH 22 GAUGE ROOF DECK PER VULCRAFT ATTACHMENT PATTERN 36/7 W/ (7) SIDELAP FASTENERS PER SPAN. UTILIZE 5/8" DIA. PUDDLE WELDS AT SUPPORTS AND PERIMETER AND #10 TEK SIDELAP FASTENERS.

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- JOIST SEATS BEARING AT THE PERIMETER TILT WALL PANELS SHALL BE DESIGNED FOR A MINIMUM ALLOWABLE LATERAL "ROLL OVER" CAPACITY OF 1.1 KIPS. PROVIDE STIFFENED JOIST SEATS IF NECESSARY.
- JOIST SEATS BEARING AT THE JOIST GIRDERS SHALL BE DESIGNED FOR A MINIMUM ALLOWABLE LATERAL "ROLL OVER" CAPACITY OF 1.0 KIPS. PROVIDE STIFFENED JOIST SEATS IF NECESSARY.
- PROVIDE BRIDGING FOR ALL JOISTS PER S.J.I. SPECIFICATIONS. SEE DETAIL 14/S4.1 FOR ROOF CHORD ANGLE SPLICE. ALL ROOF CHORD ANGLES ARE TO BE CONTINUOUS AROUND PERIMETER OF DECK.
- AT SLOPING JOIST GIRDERS, PROVIDE BEARING SEATS THAT CONSIDER THE ROOF SLOPE AND PROVIDE A LEVEL BEARING AT THE ENDS.

- G.C./SPRINKLER SUB. TO COORDINATE JOIST BRIDGING LOCATIONS WITH SPRINKLER PIPE LOCATIONS.
- SEE S4.1 FOR SUPPLEMENTAL FRAMING REQUIRED AT OPENING FOR ROOF TOP EQUIPMENT SUPPORT. OPENINGS IN ROOF GREATER THAN 12" IN DIAMETER SHALL HAVE SUPPLEMENTAL FRAMING.
- SEE S1.0 FOR UPLIFT PRESSURES FOR BAR JOIST & JOIST GIRDER DESIGN
- L1 - INDICATES L3x3x1/4" KICKER FROM BOTTOM FLANGE OF BEAM TO TOP OF ADJACENT JOIST AT ROOF W/ MAX. SPACING @12'-6" O.C.
-  INDICATES OFFICE AREA
- LOCATION AND WEIGHT OF RTU'S IS BASED ON MECH. DRAWINGS. G.C. TO VERIFY.
-  INDICATES MECHANICAL ZONE, DESIGN JOISTS TO SUPPORT ADD'L LOAD OF (1) 2500# ROOF TOP UNIT ANYWHERE ALONG JOIST TOP CHORDS WITHIN ZONE. GIRDERS HAVED ADDITIONAL LOAD SHOWN AT LOCATIONS
- MAU- INDICATES 1500# MAU ROOF TOP UNIT. VERIFY WITH MECH. DRAWINGS

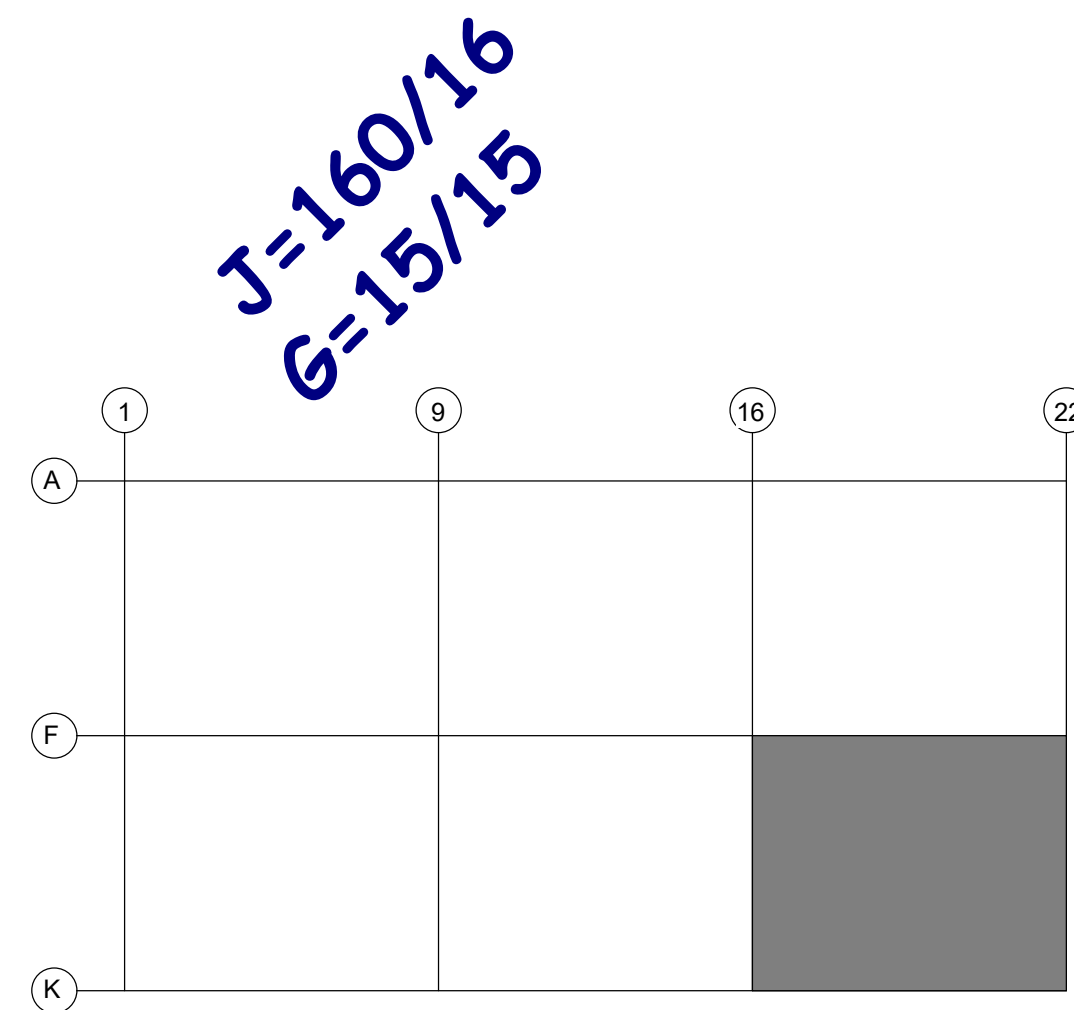
- 28KSP A- INDICATES 28K 211/116 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MAU
- 28KSP B- INDICATES 28K 232/117 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MECHANICAL ZONE
- 36LHSP- INDICATES 36LH 223/108 JOIST DESIGNED TO SUPPORT ADDITIONAL LOAD OF MECHANICAL ZONE
- SP XXG X9 XXX- INDICATES JOIST GIRDER DESIGNED TO SUPPORT ADDITIONAL LOAD OF MAU
-  INDICATES ADDITIONAL POINT LOAD DUE TO SNOW DRIFT IN KIPS

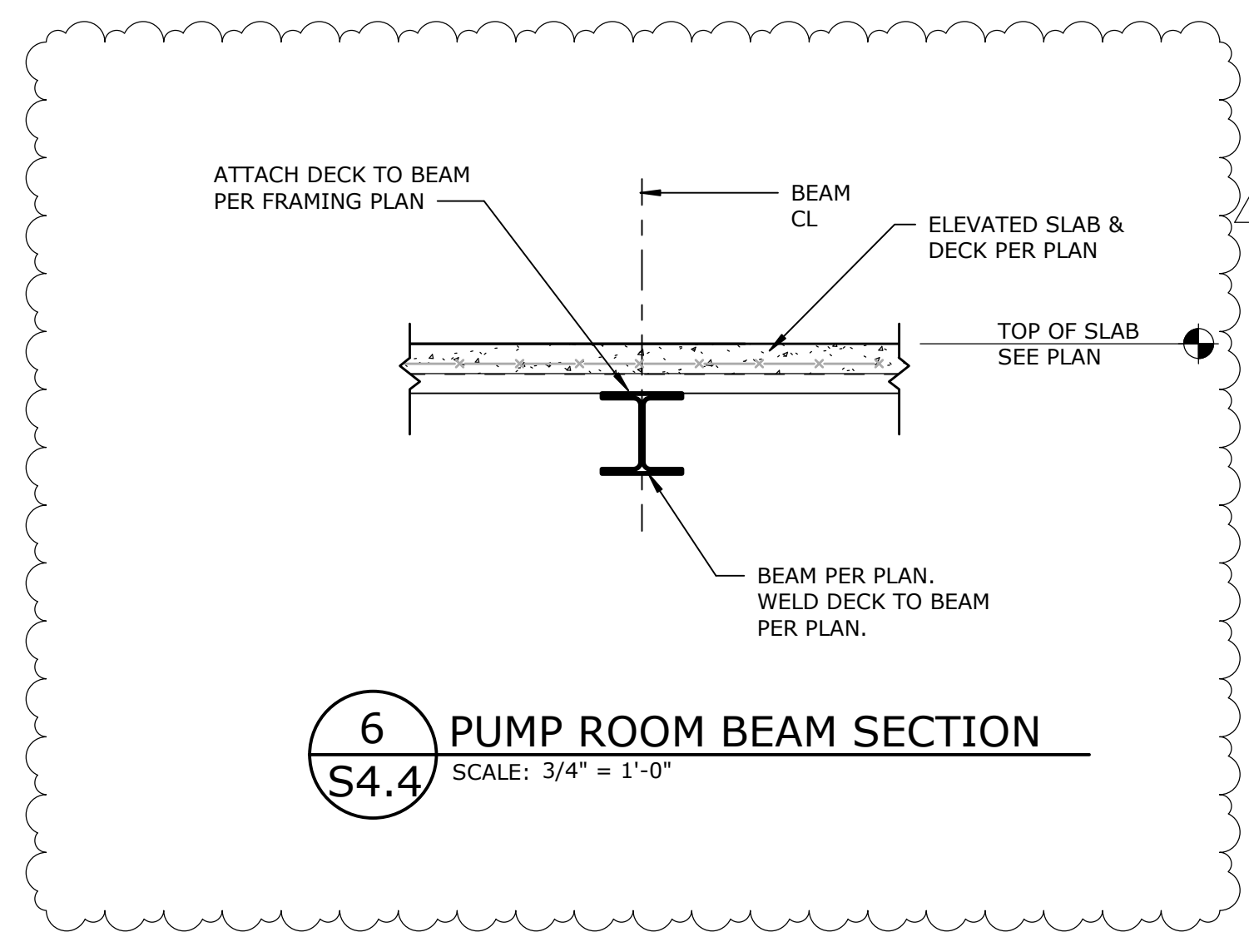
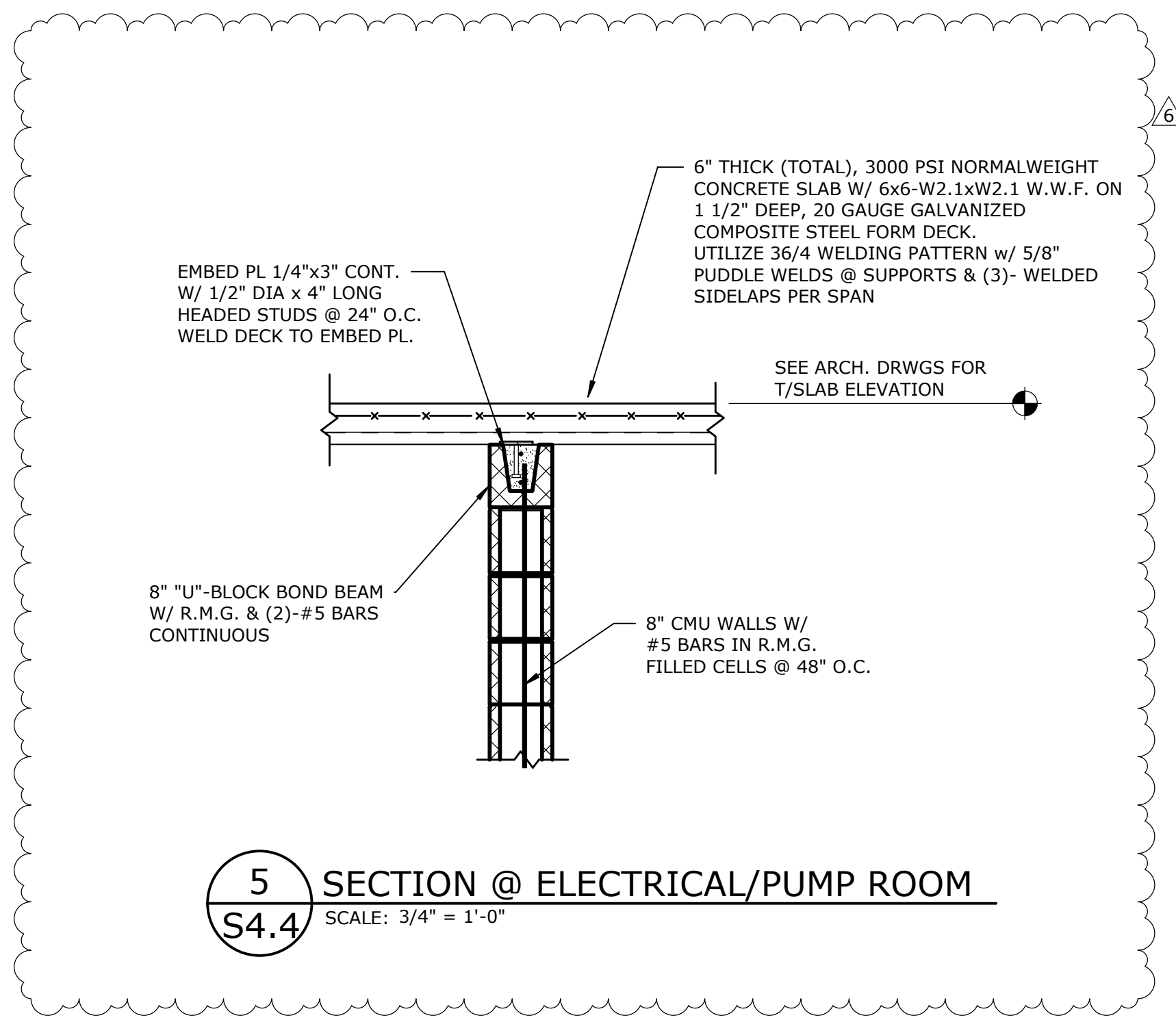
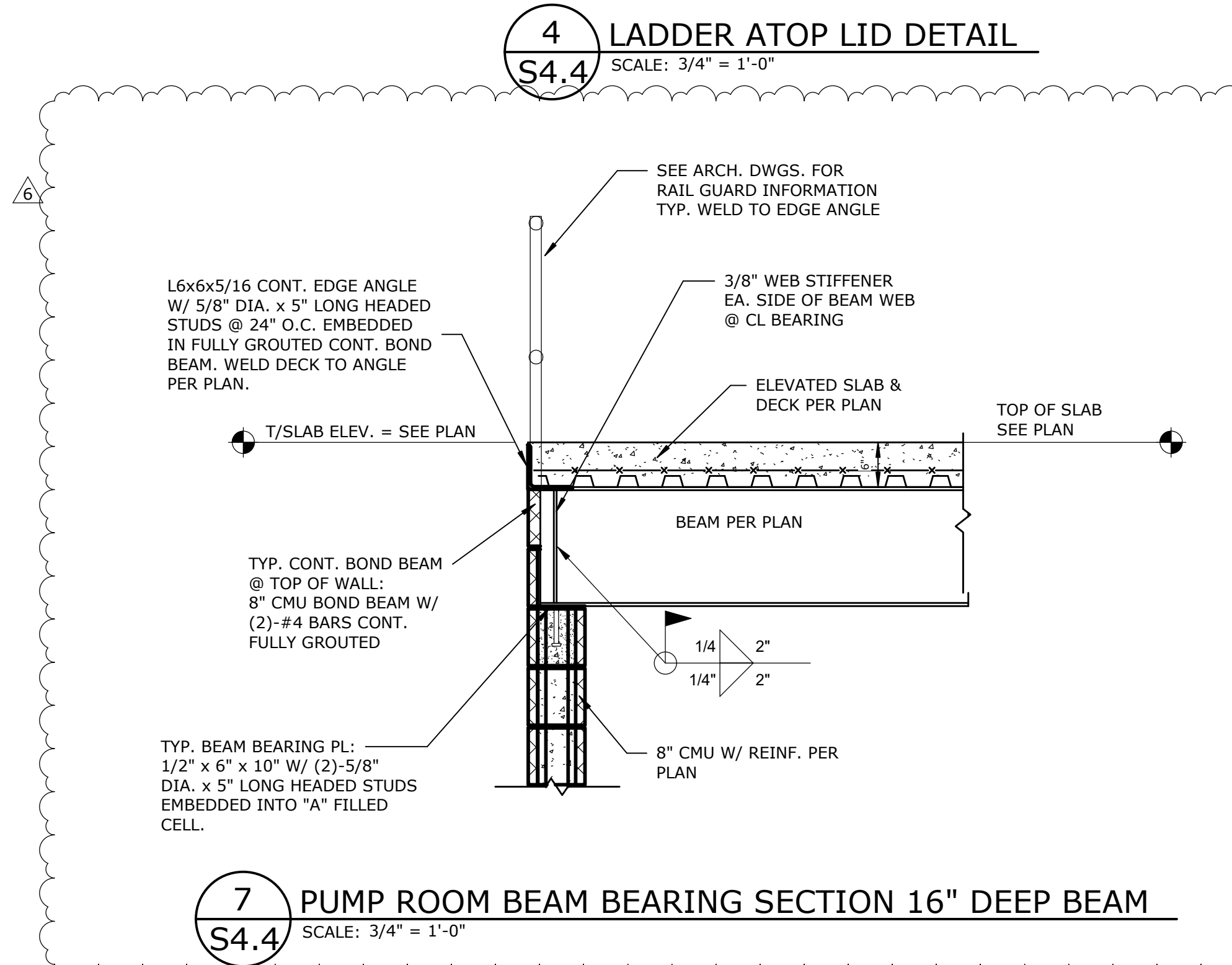
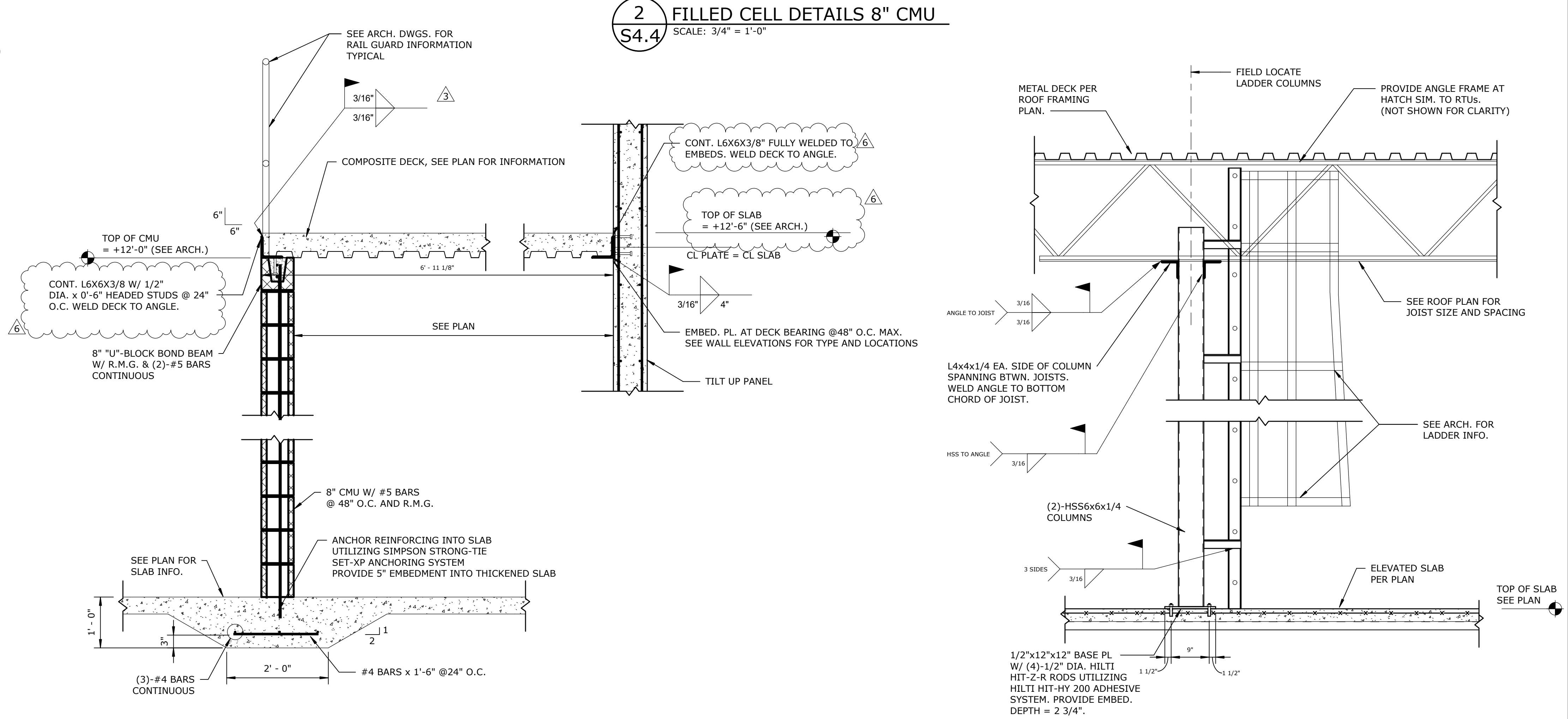
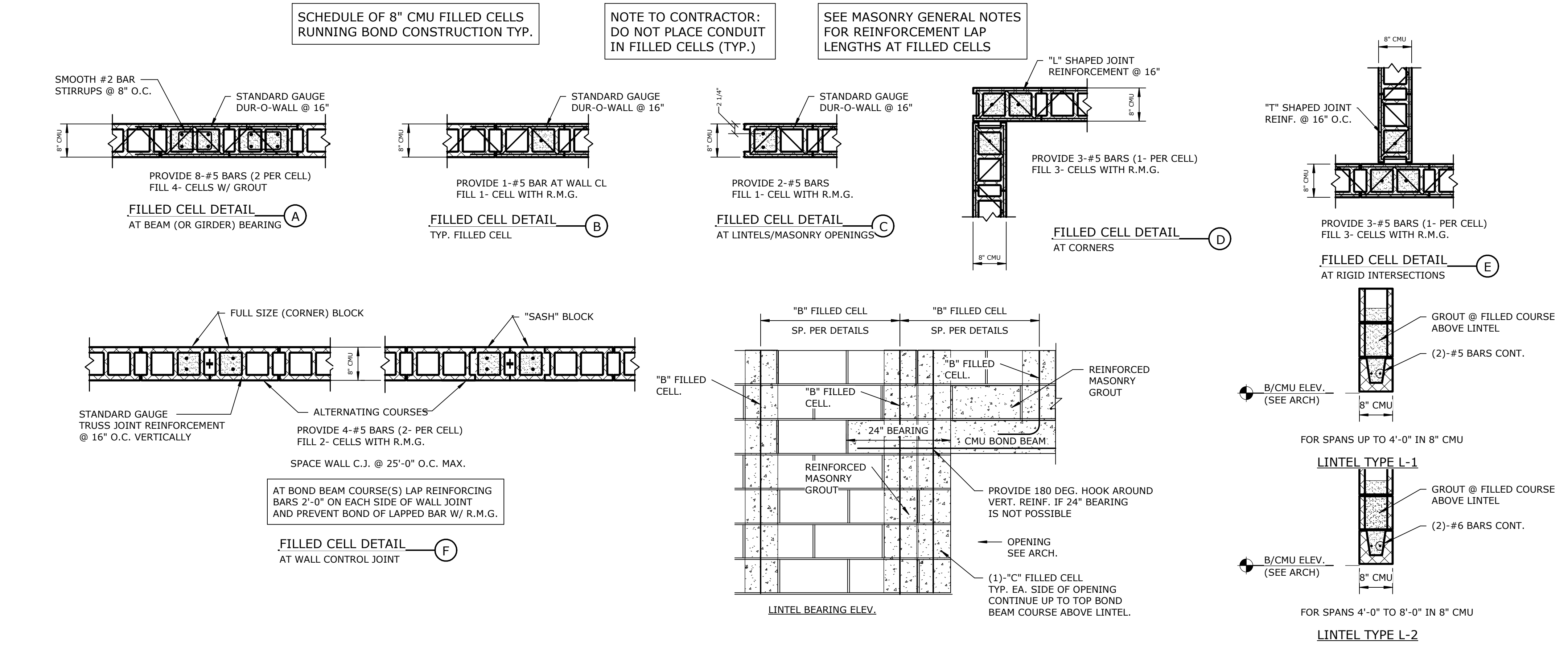
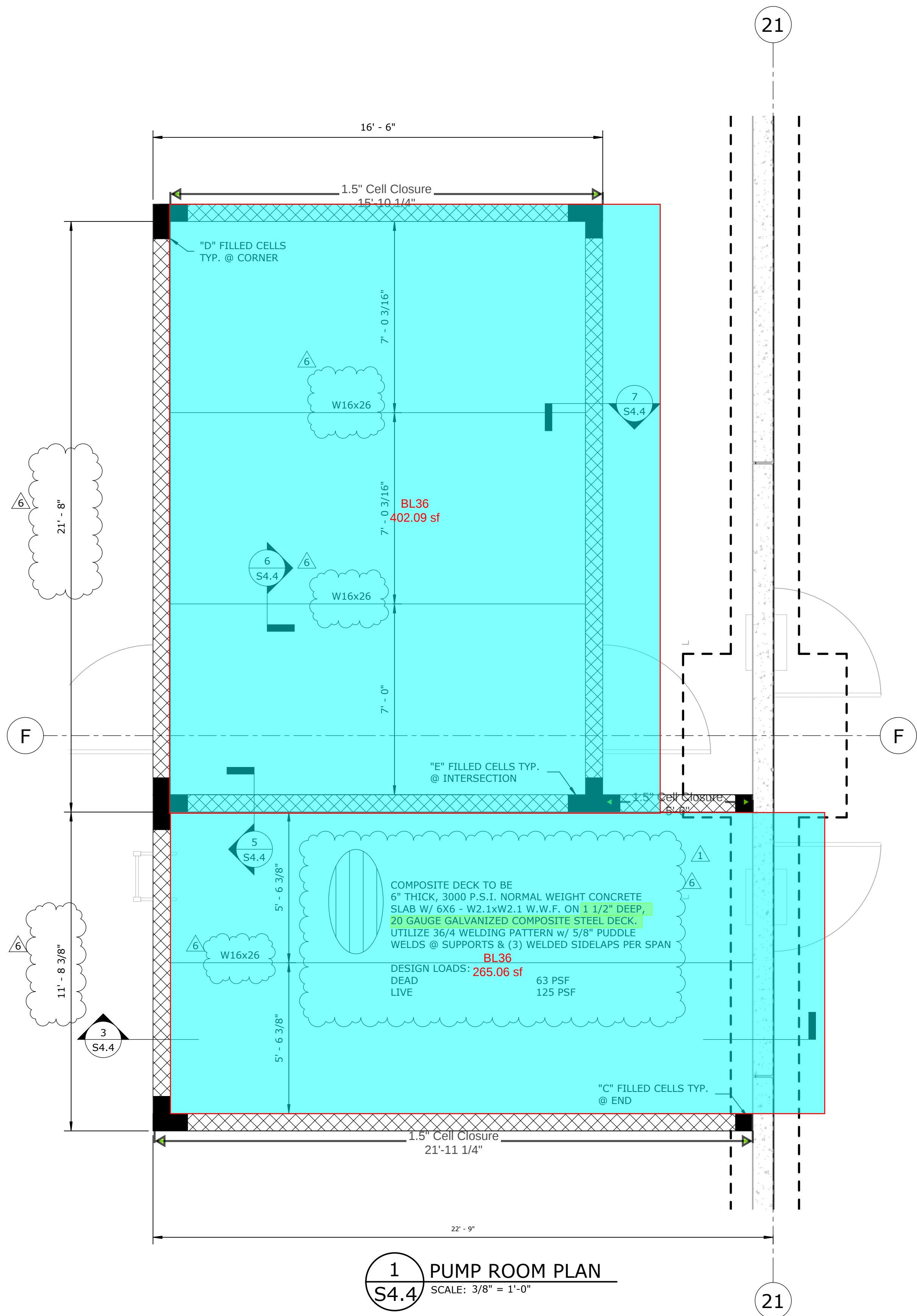
JOIST LOAD DESIGNATIONS

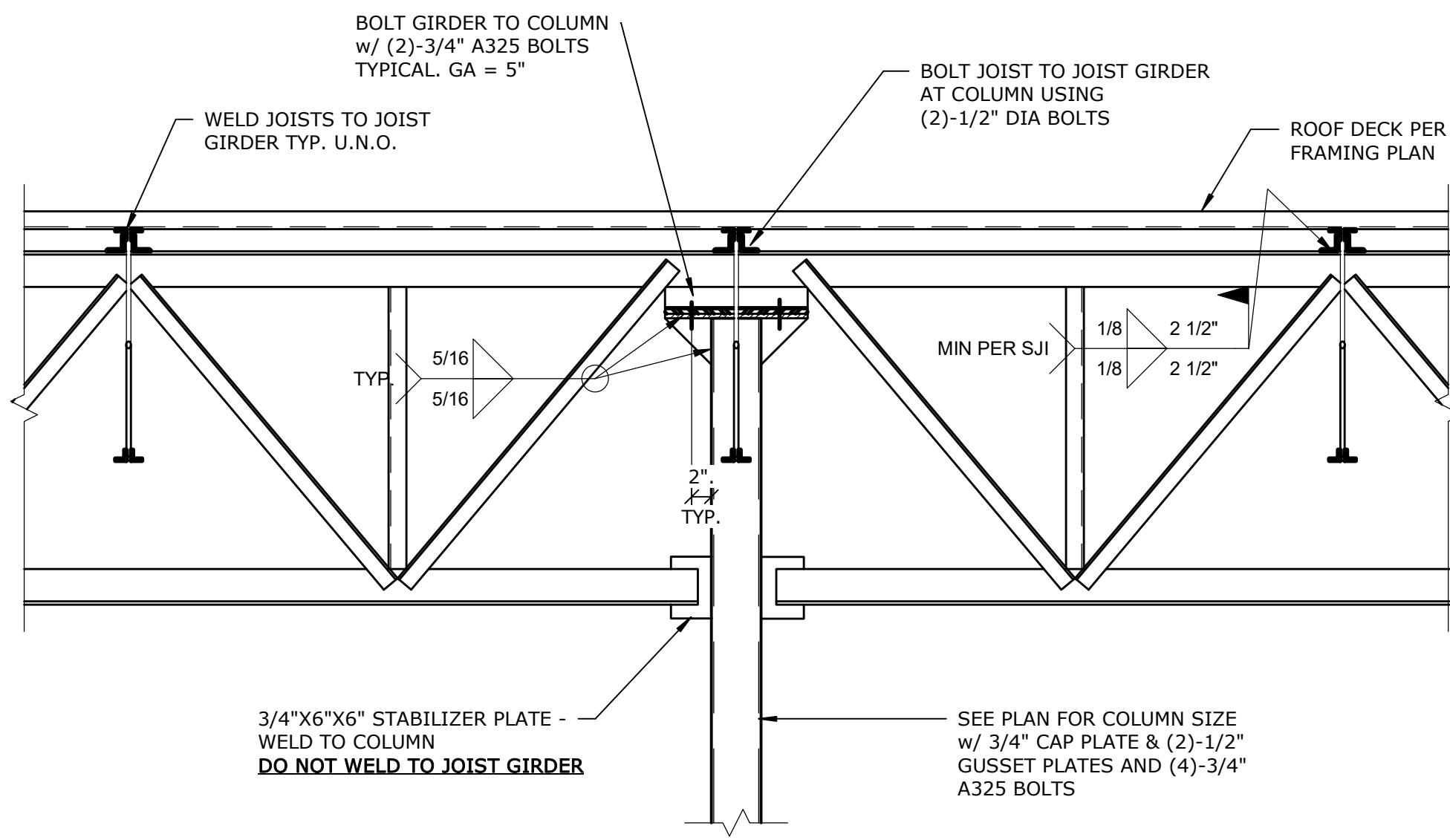
28K 211/116

JOIST DEPTH (in.)

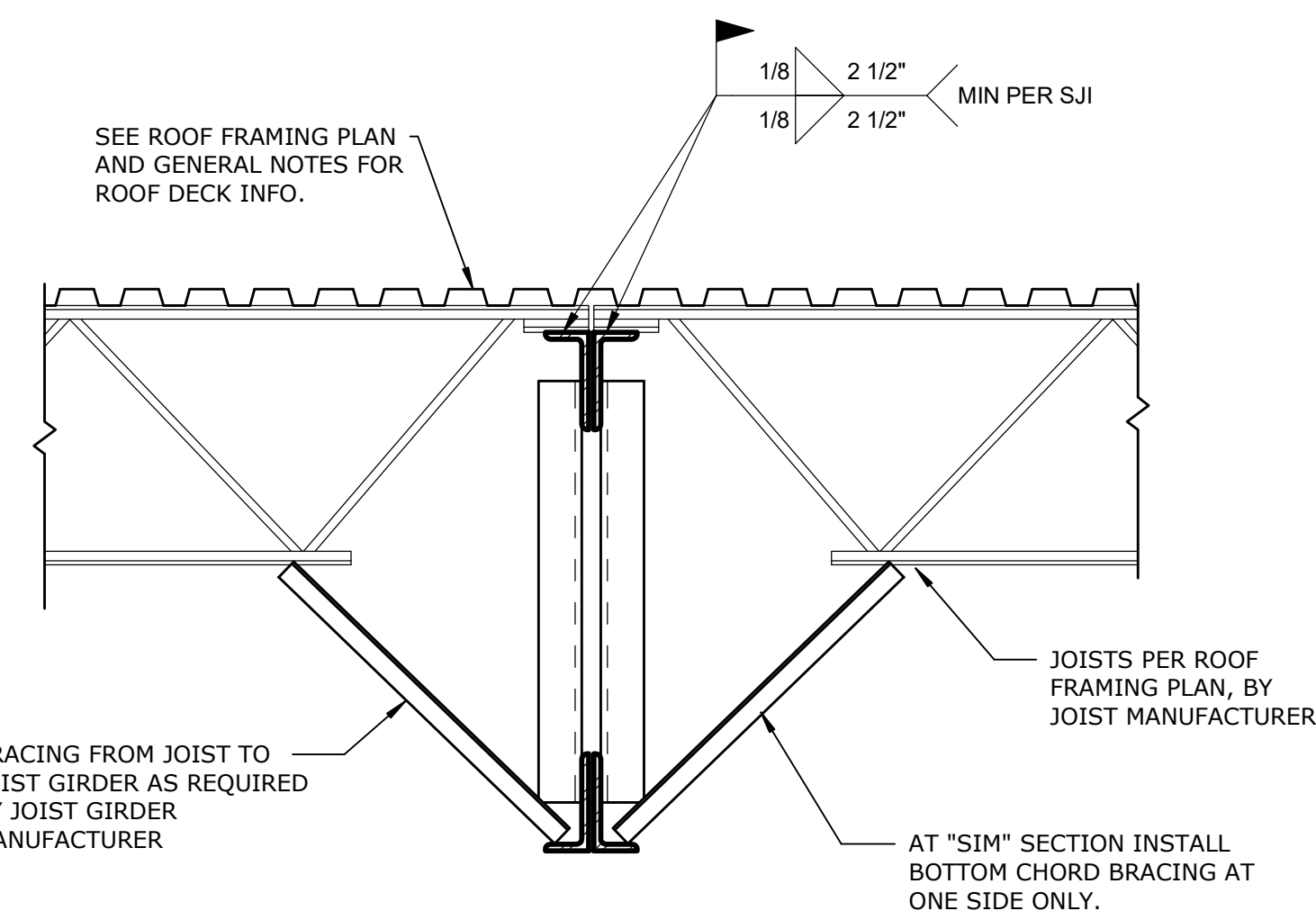
DIST. TOTAL LOAD/ DIST. LIVE LOAD (ASD, PLF)



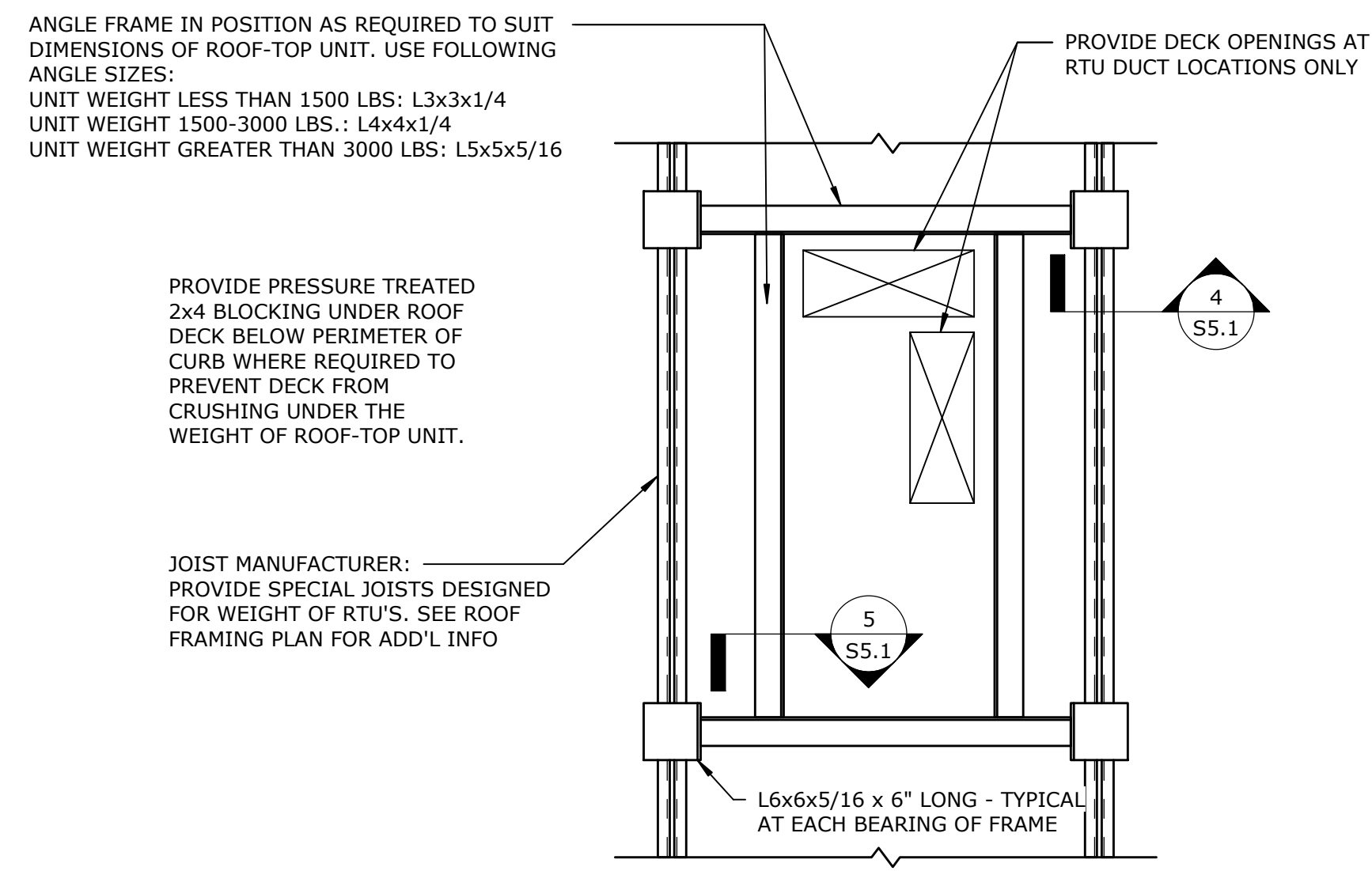




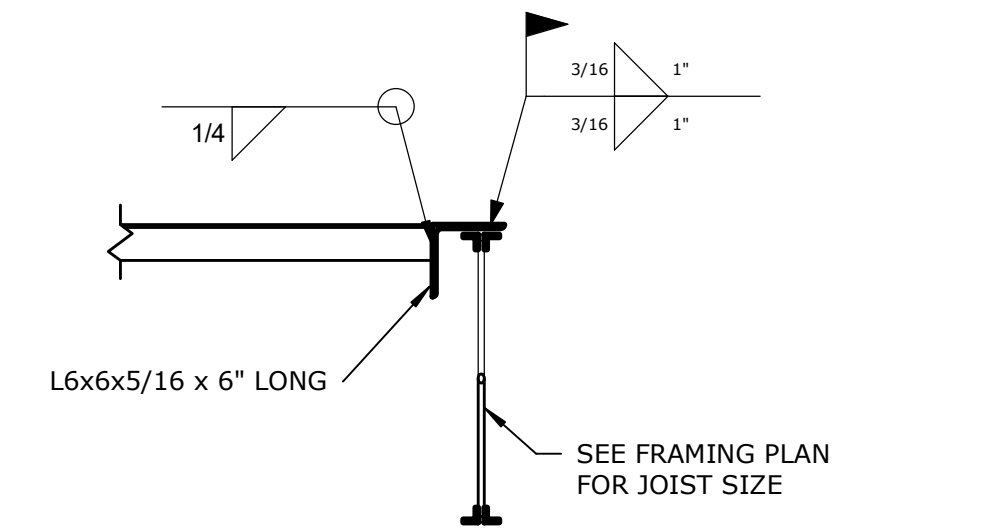
1
S5.1 TYPICAL JOIST GIRDER BEARING DETAIL
SCALE: 3/4" = 1'-0"



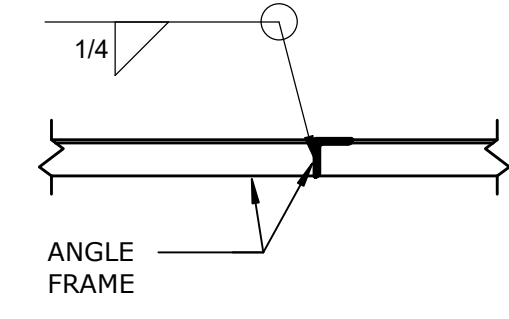
2
S5.1 TYPICAL JOIST BEARING @ GIRDER DETAIL
SCALE: 3/4" = 1'-0"



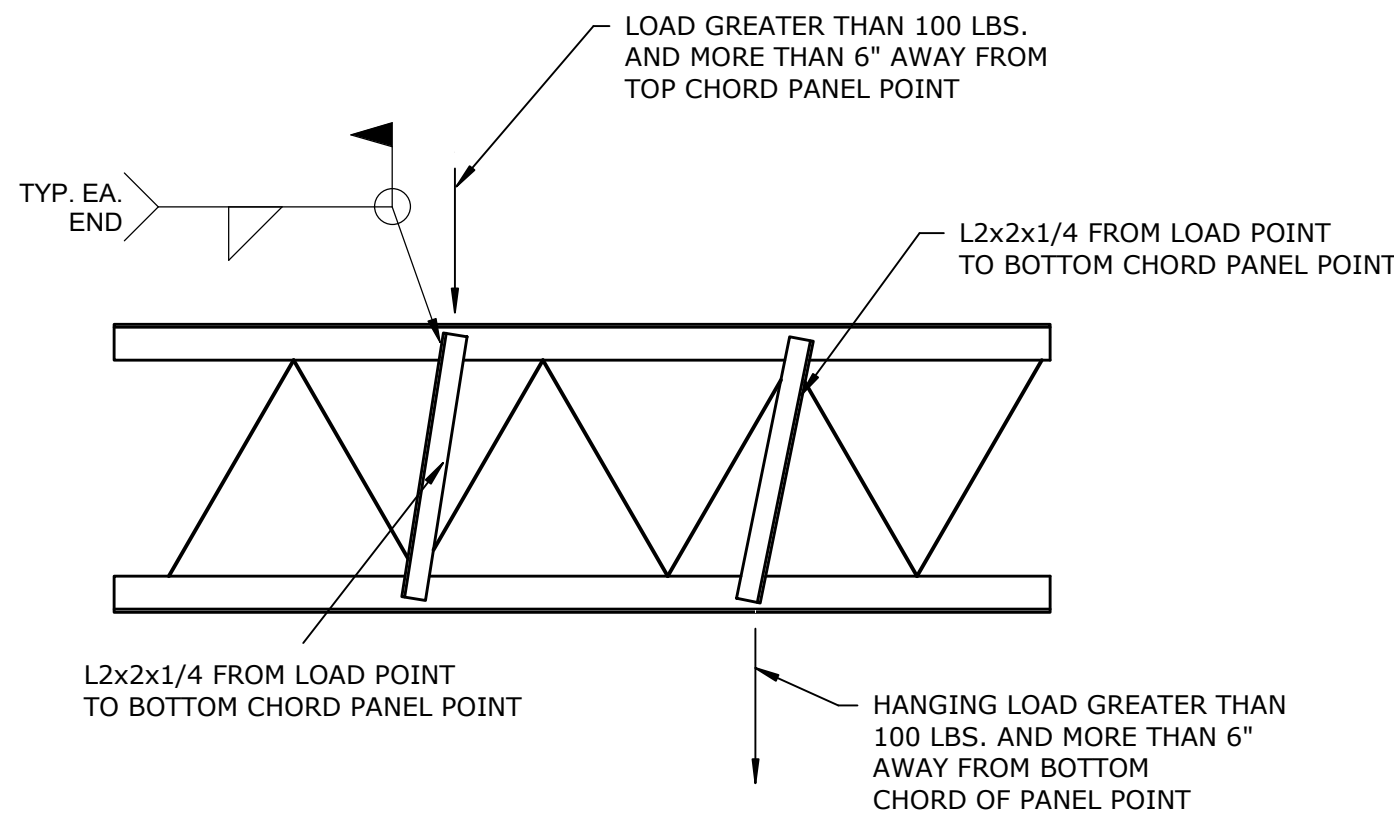
3
S5.1 TYPICAL R.T.U. SUPPORT FRAME
SCALE: 3/4" = 1'-0"



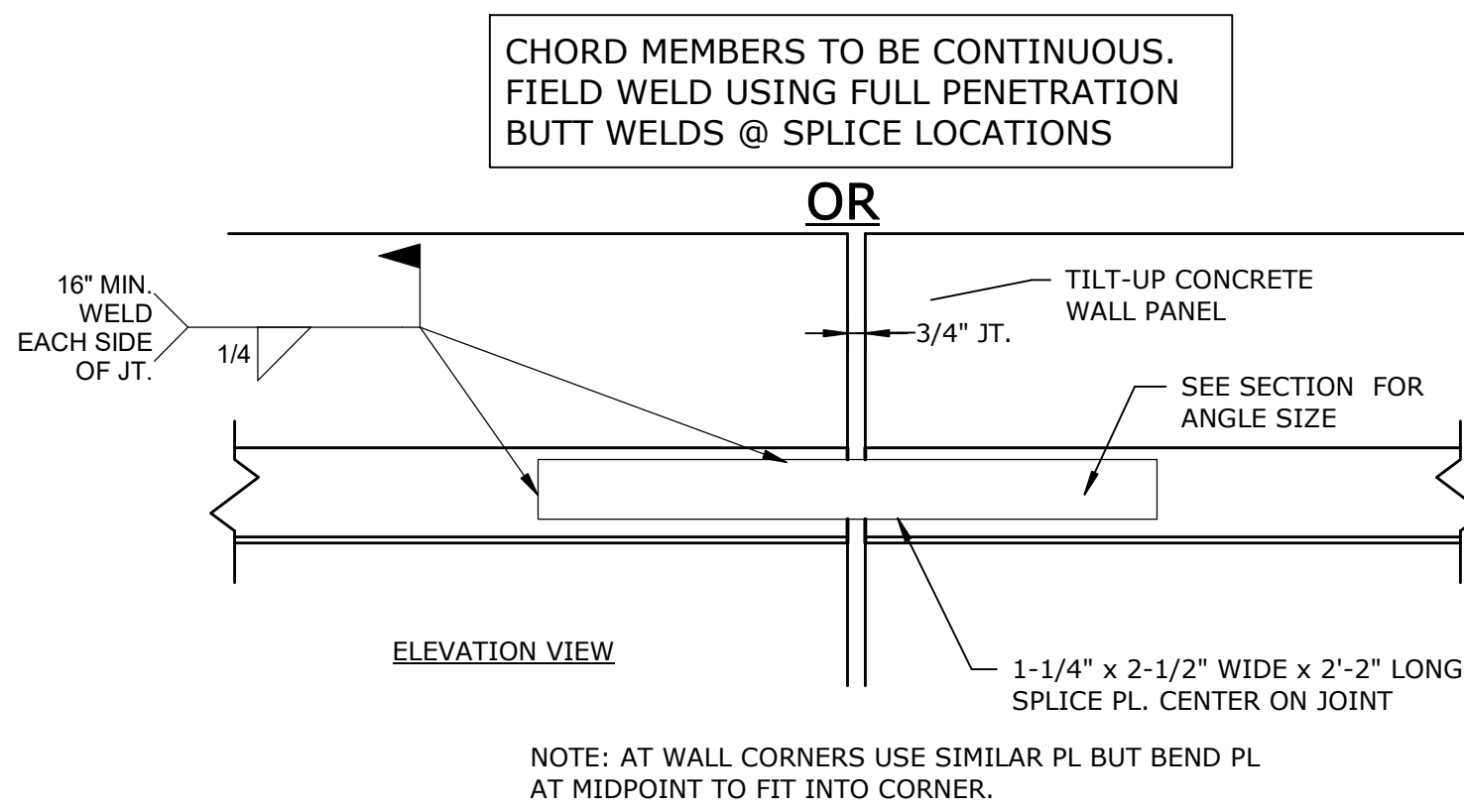
4
S5.1 RTU FRAMING SECTION 1
SCALE: 3/4" = 1'-0"



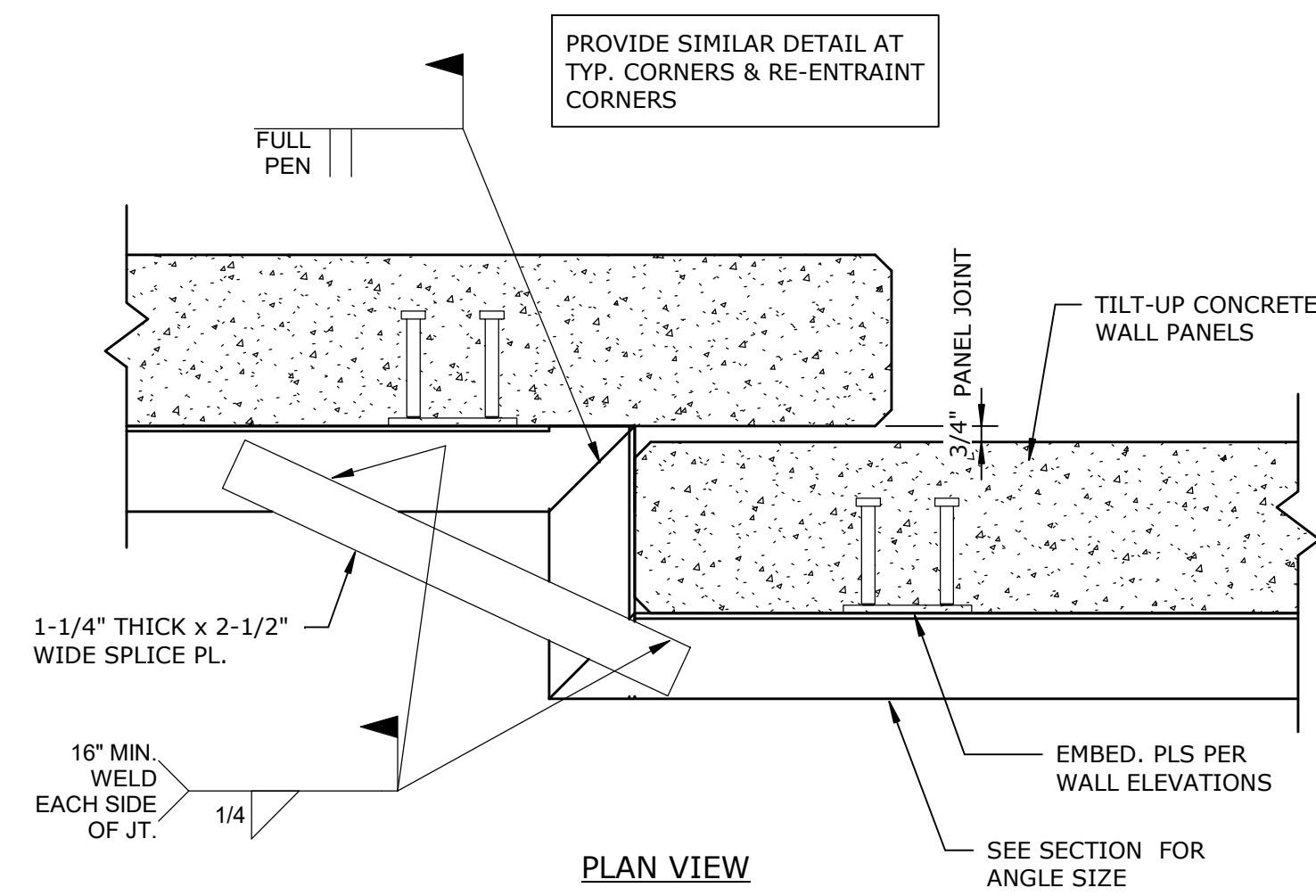
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S5.1 RTU FRAMING SECTION 2
SCALE: 3/4" = 1'-0"



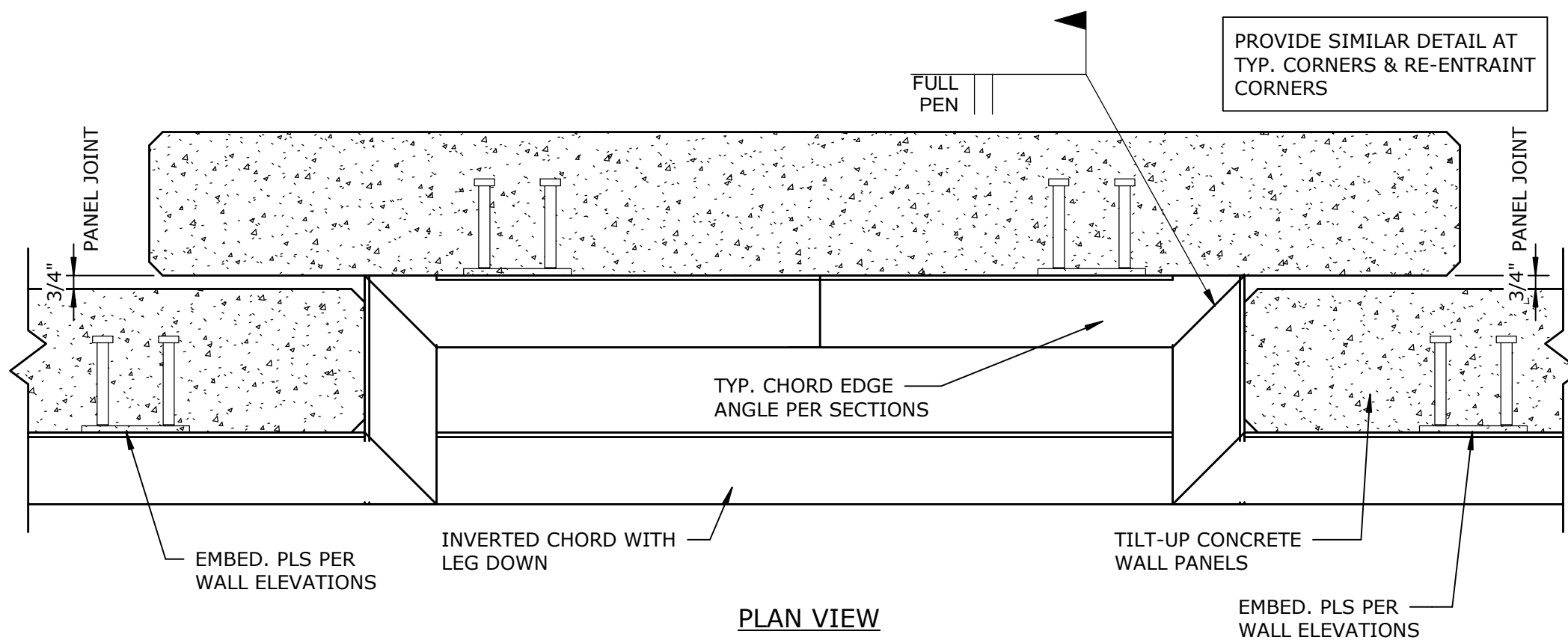
6
S5.1 JOIST WEB REINFORCEMENT DETAIL
SCALE: 3/4" = 1'-0"



7
S5.1 TYPICAL CLOSURE ANGLE SPLICE
SCALE: 1 1/2" = 1'-0"

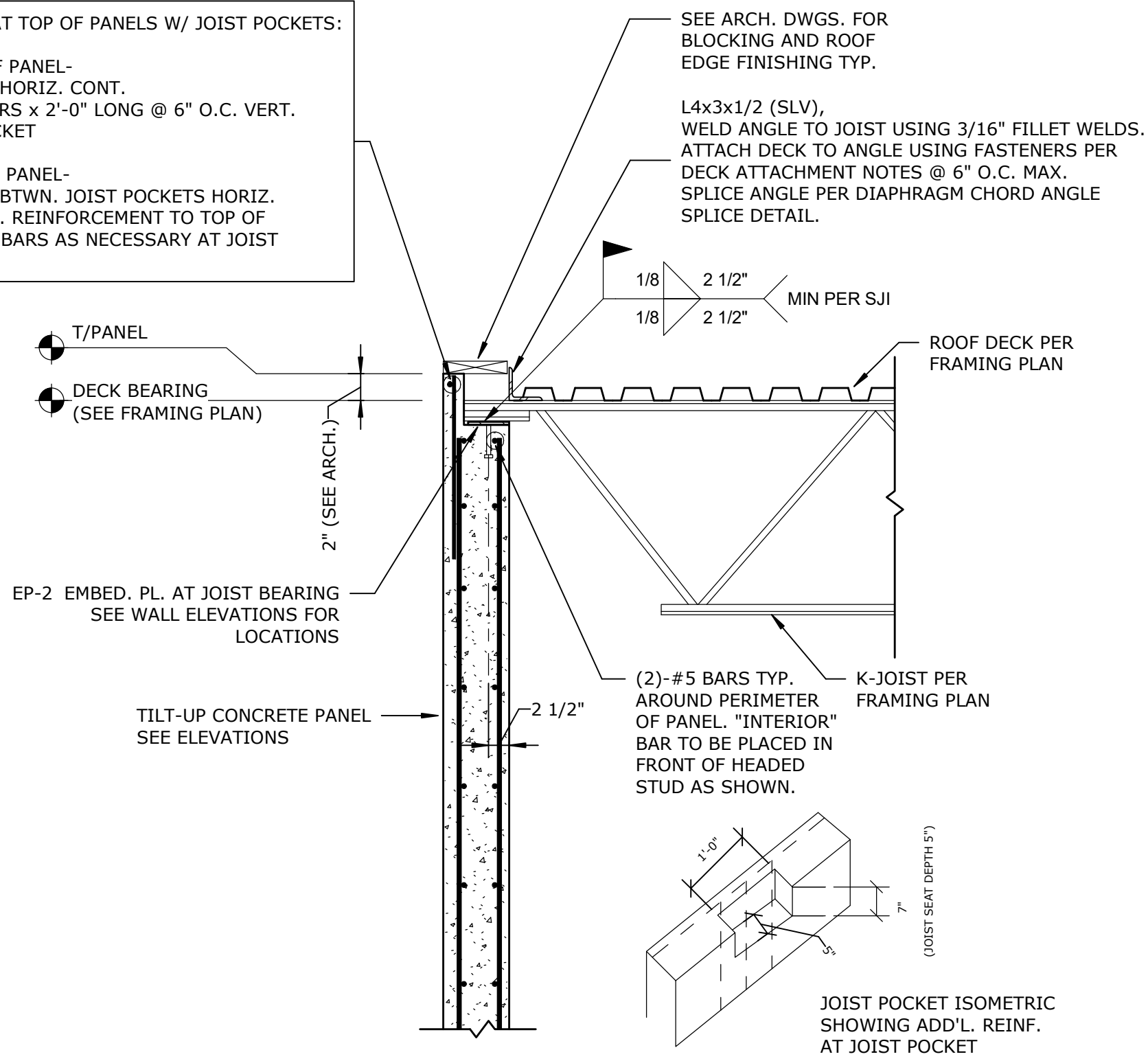


8
S5.1 DIAPHRAGM CHORD SPLICE AT SET-BACK PANEL
SCALE: 1 1/2" = 1'-0"

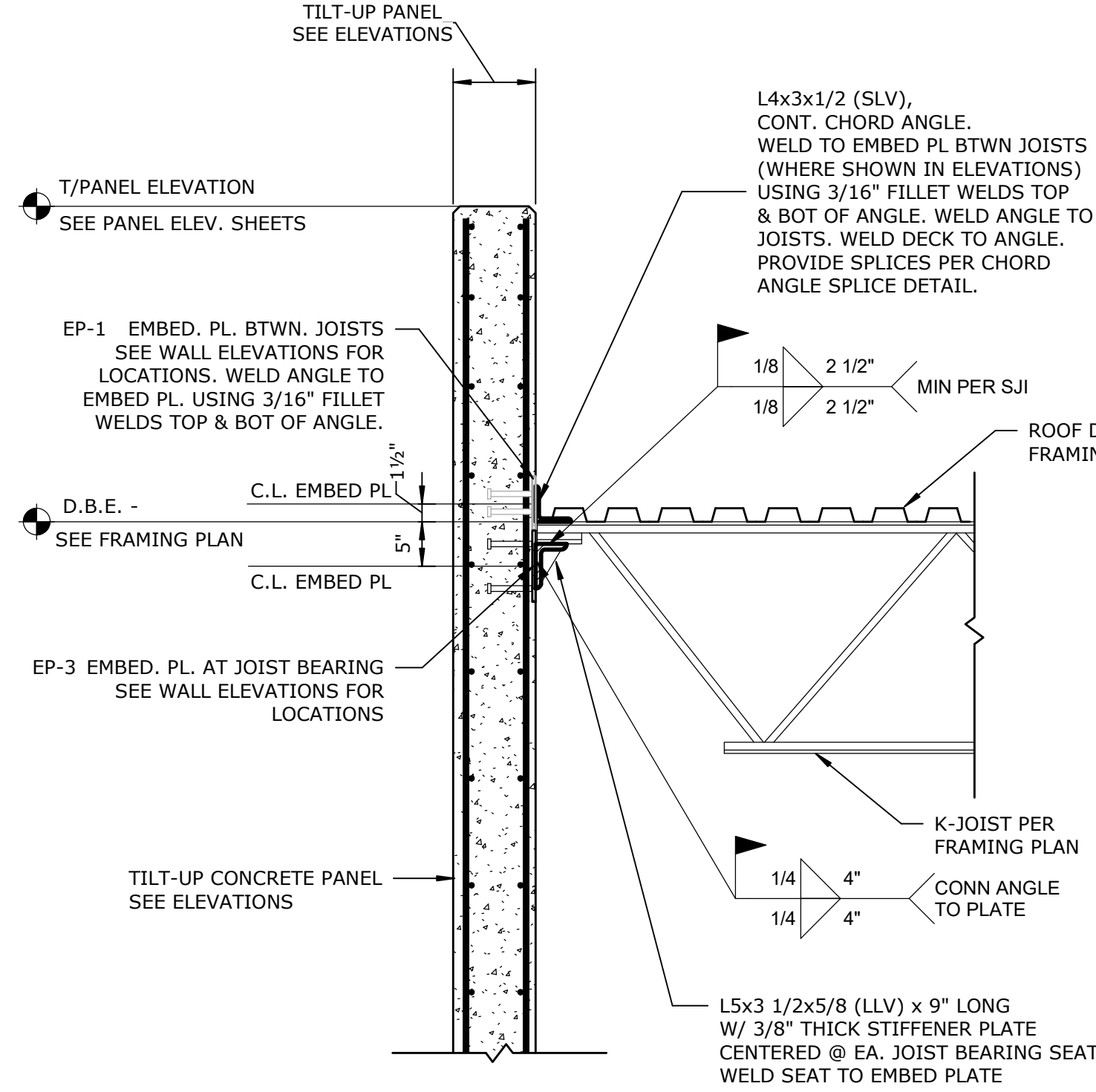


9
S5.1 DIAPHRAGM CHORD SPLICE AT NOTCHED PANEL
SCALE: 1 1/2" = 1'-0"

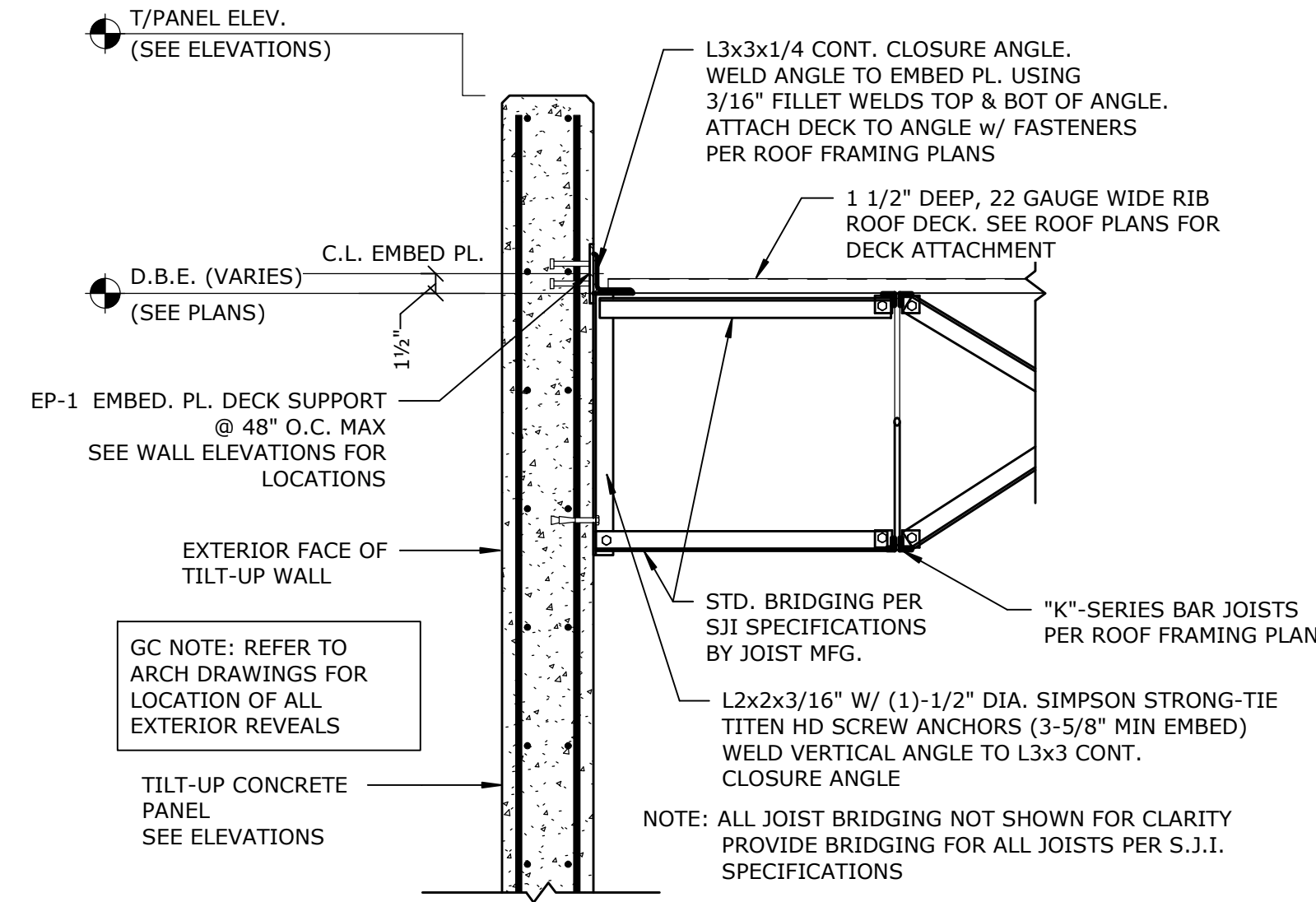
REINFORCEMENT AT TOP OF PANELS W/ JOIST POCKETS:
EXTERIOR FACE OF PANEL-
(1)-ADD'L #5 BAR HORIZ. CONT.
& (3) ADD'L #3 BARS x 2'-0" LONG @ 6" O.C. VERT.
BEHIND JOIST POCKET
INTERIOR FACE OF PANEL-
(1)-ADD'L #5 BAR BTWN. JOIST POCKETS HORIZ.
EXTEND TYP. VERT. REINFORCEMENT TO TOP OF
PANEL. CUT VERT. BARS AS NECESSARY AT JOIST
POCKET.



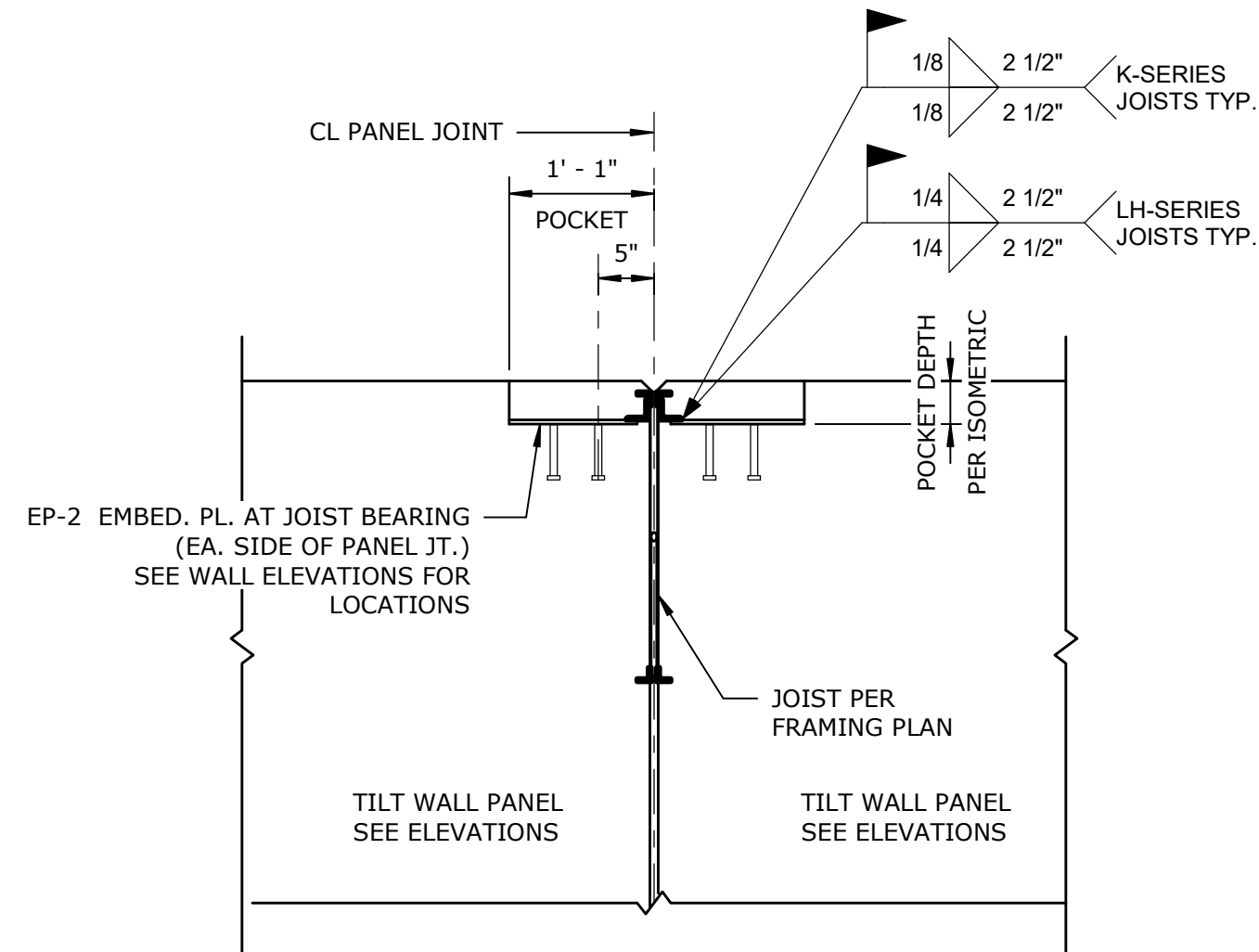
1
S5.2 JOIST BEARING ON PANEL
SCALE: 3/4" = 1'-0"



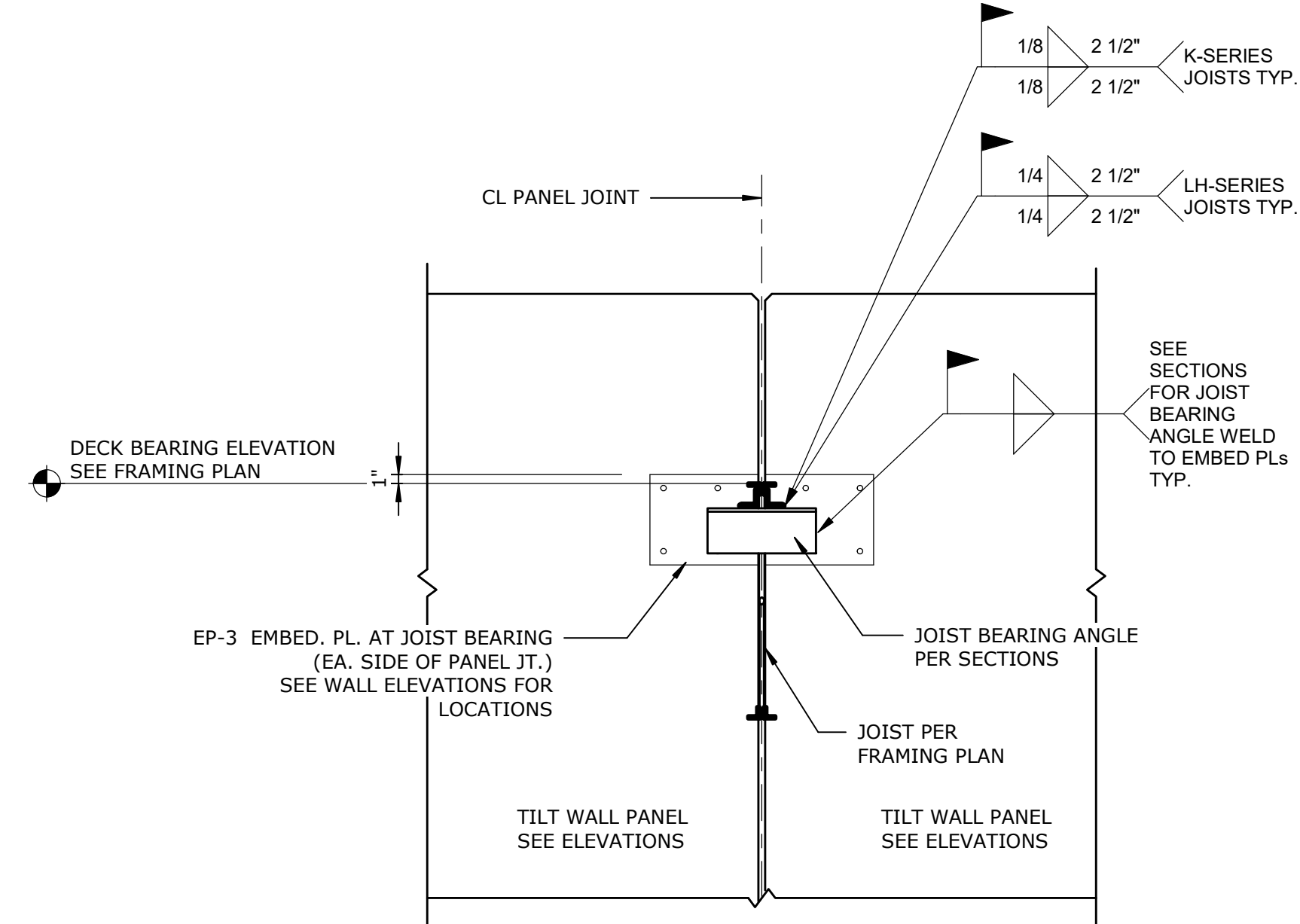
2
S5.2 JOIST BEARING AT PARAPET
SCALE: 3/4" = 1'-0"



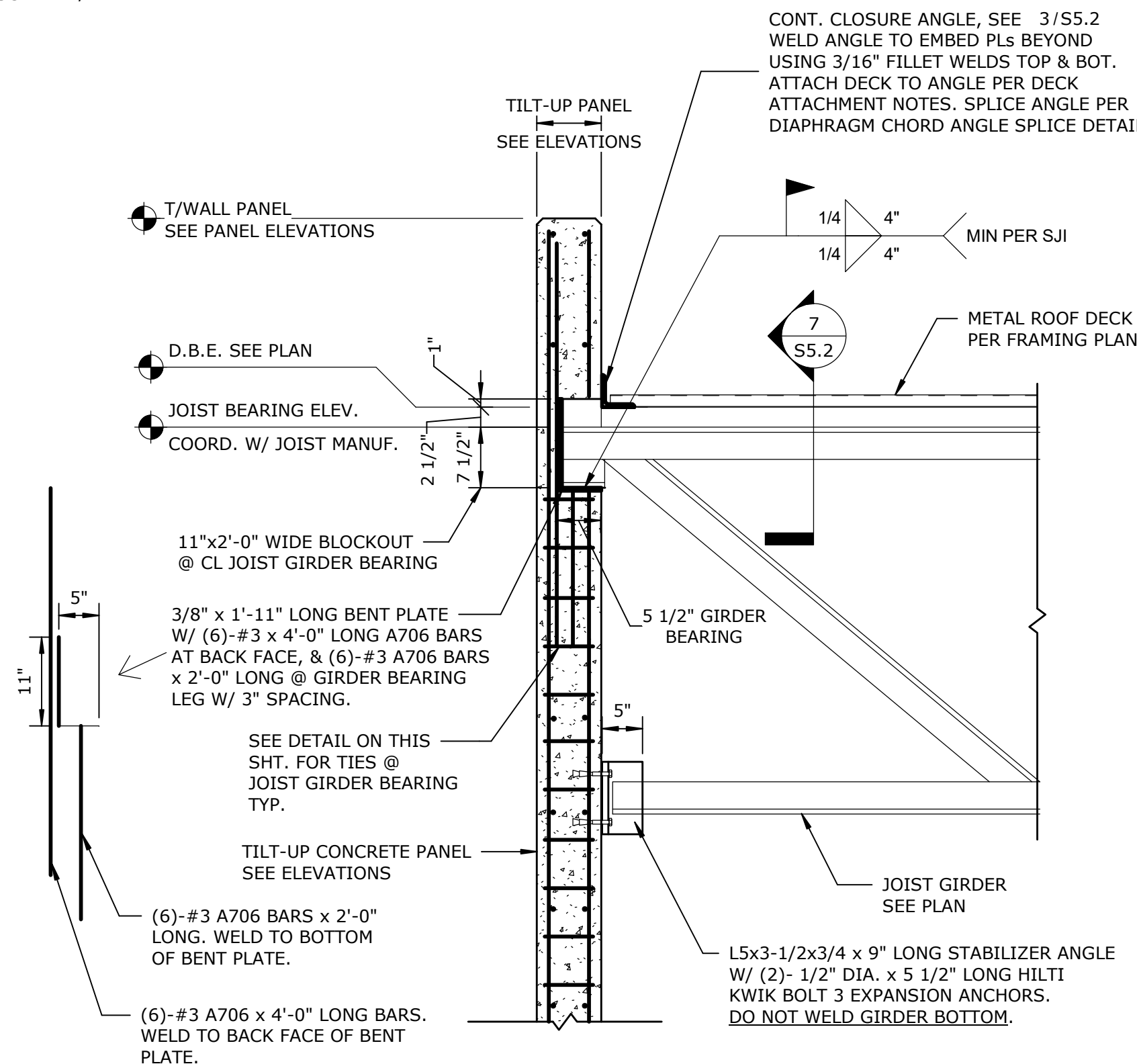
3
S5.2 SECTION @ DECK BEARING
SCALE: 3/4" = 1'-0"



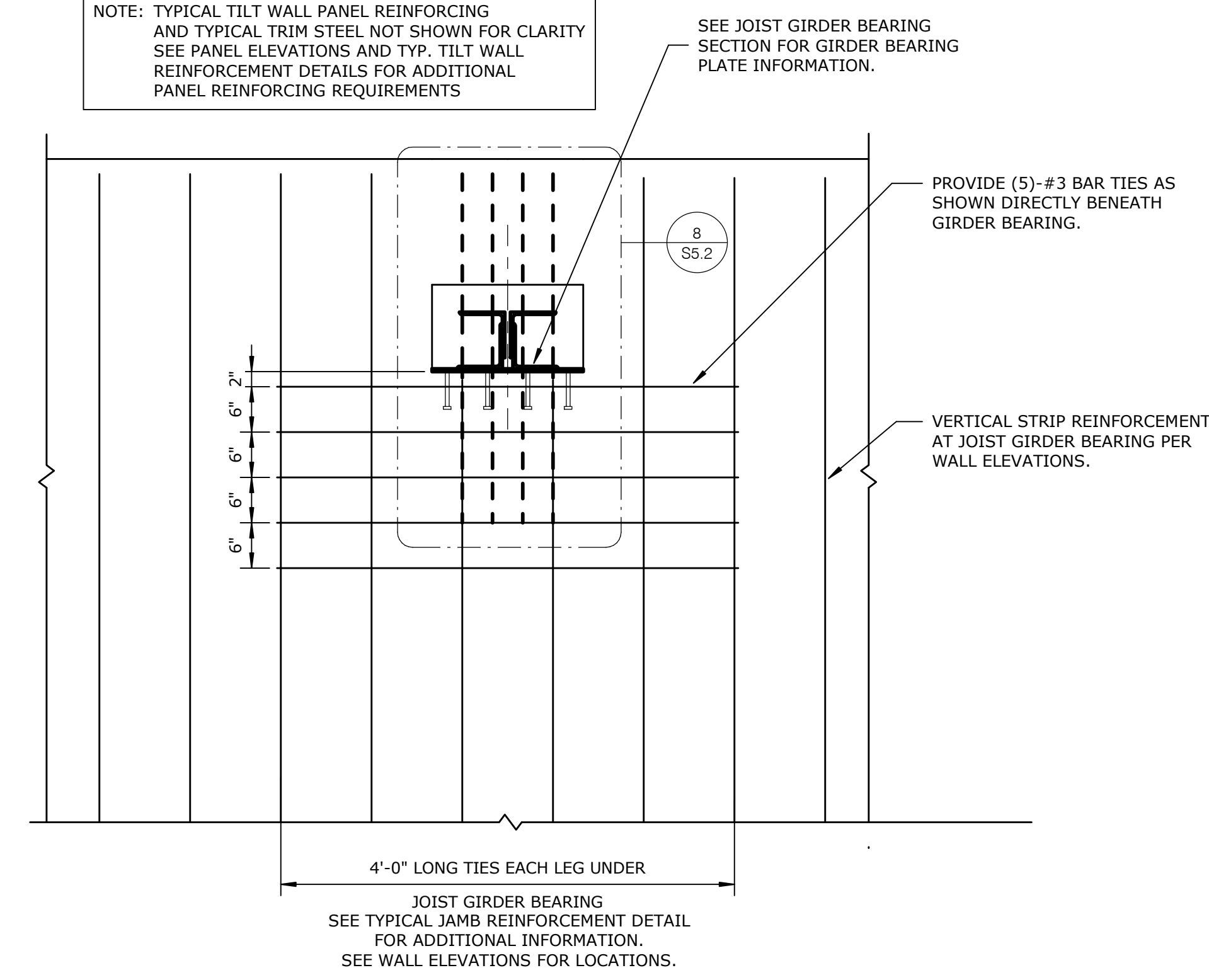
4
S5.2 JOIST BEARING AT PANEL JOINT - NO PARAPET
SCALE: 3/4" = 1'-0"



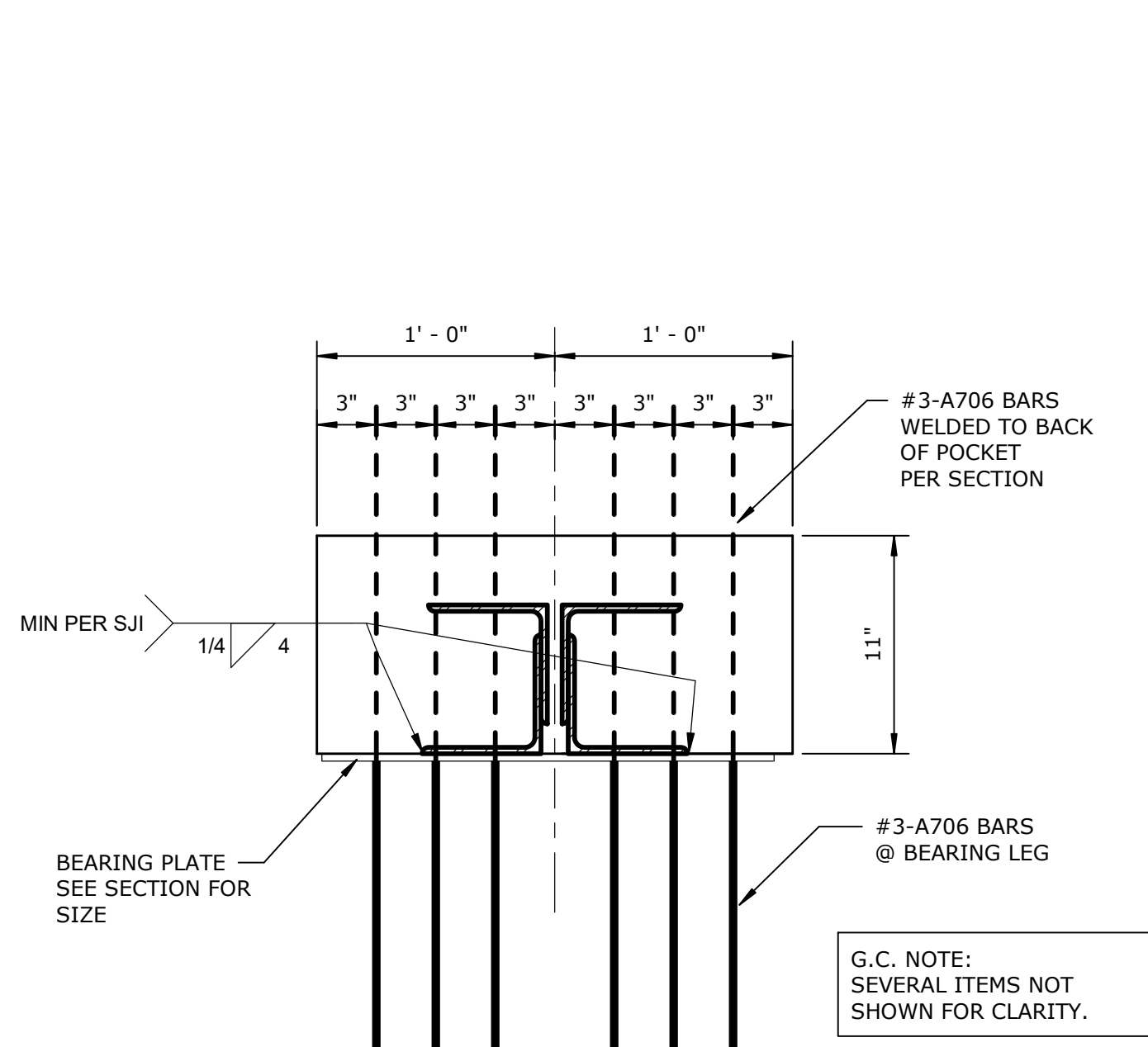
5
S5.2 JOIST BEARING AT PANEL JOINT - AT PARAPET
SCALE: 3/4" = 1'-0"



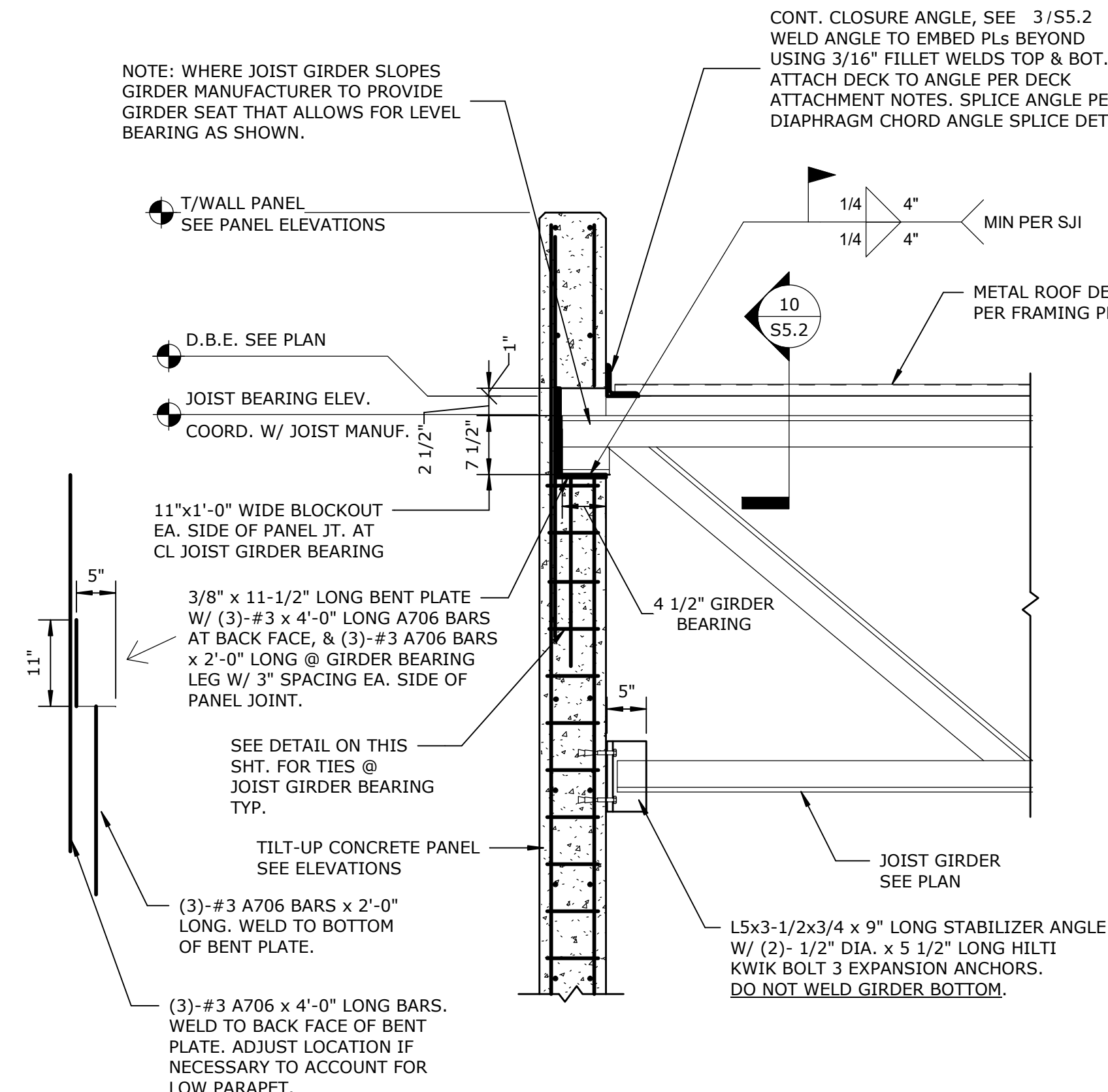
6
S5.2 SECTION @ GIRDER BEARING - NOT AT PANEL JT.
SCALE: 3/4" = 1'-0"



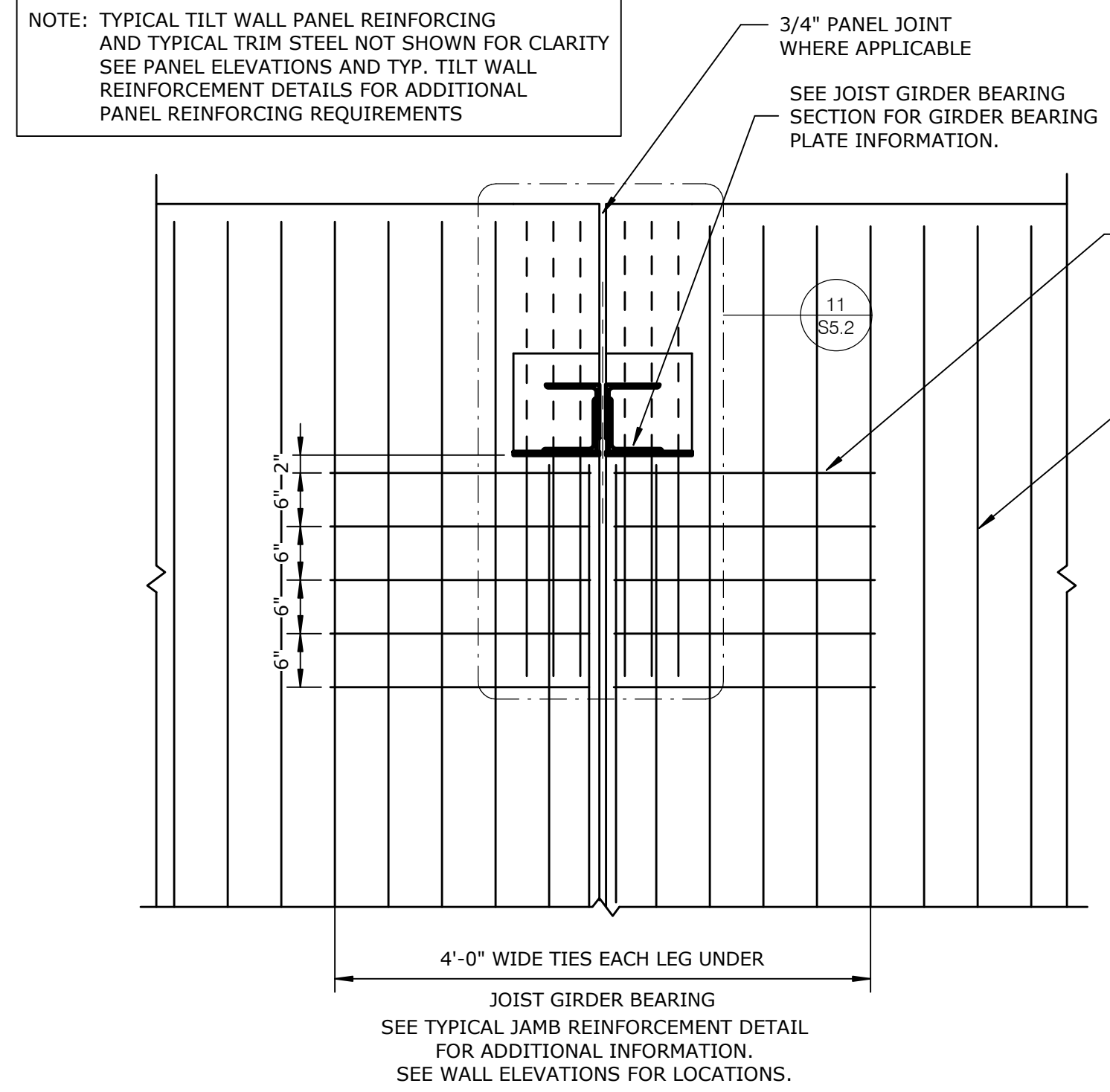
7
S5.2 GIRDER BEARING TIE REINFORCEMENT - NOT AT PANEL JT.
SCALE: 3/4" = 1'-0"



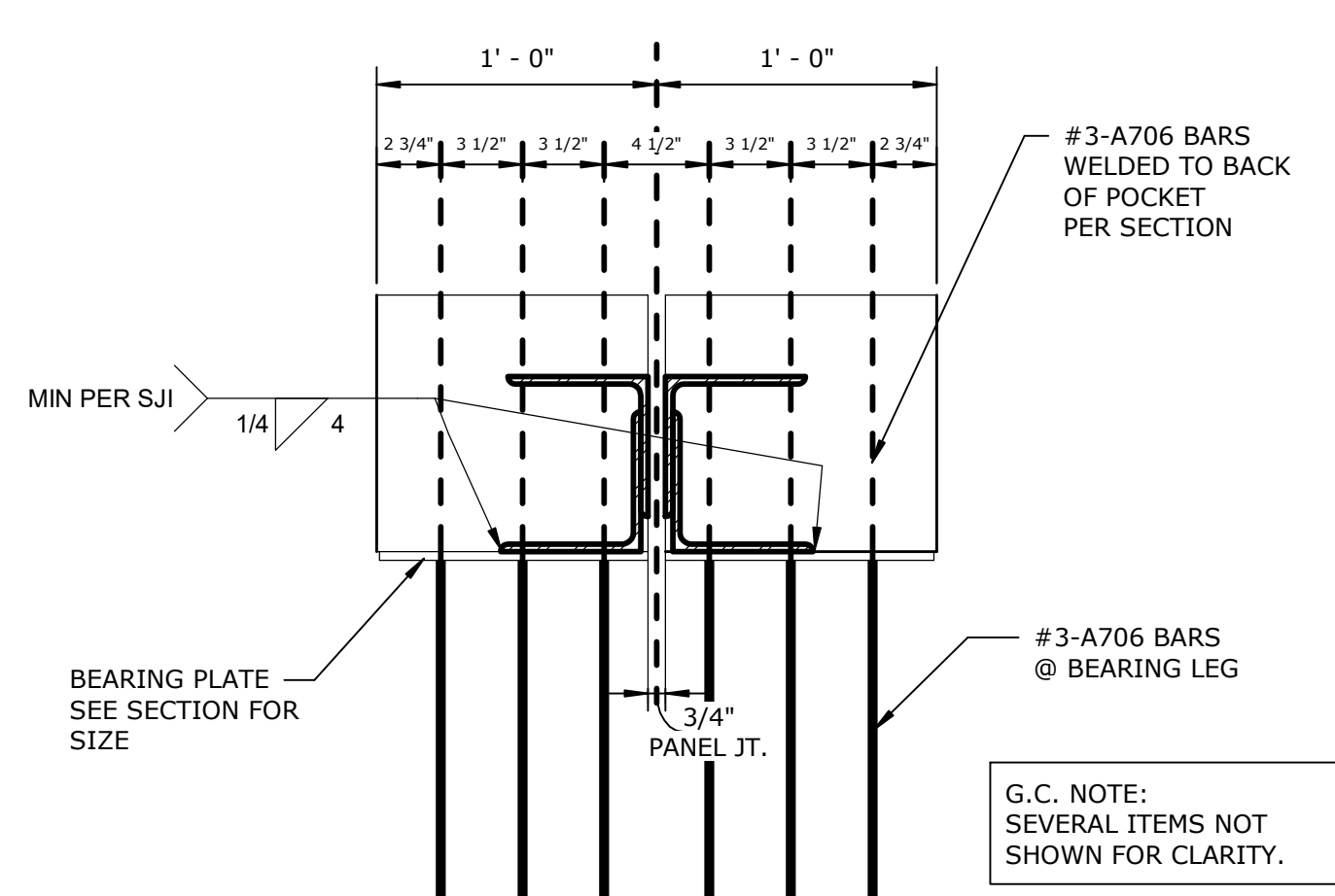
8
S5.2 GIRDER BLOCKOUT DETAIL - NOT AT PANEL JT.
SCALE: 1 1/2" = 1'-0"



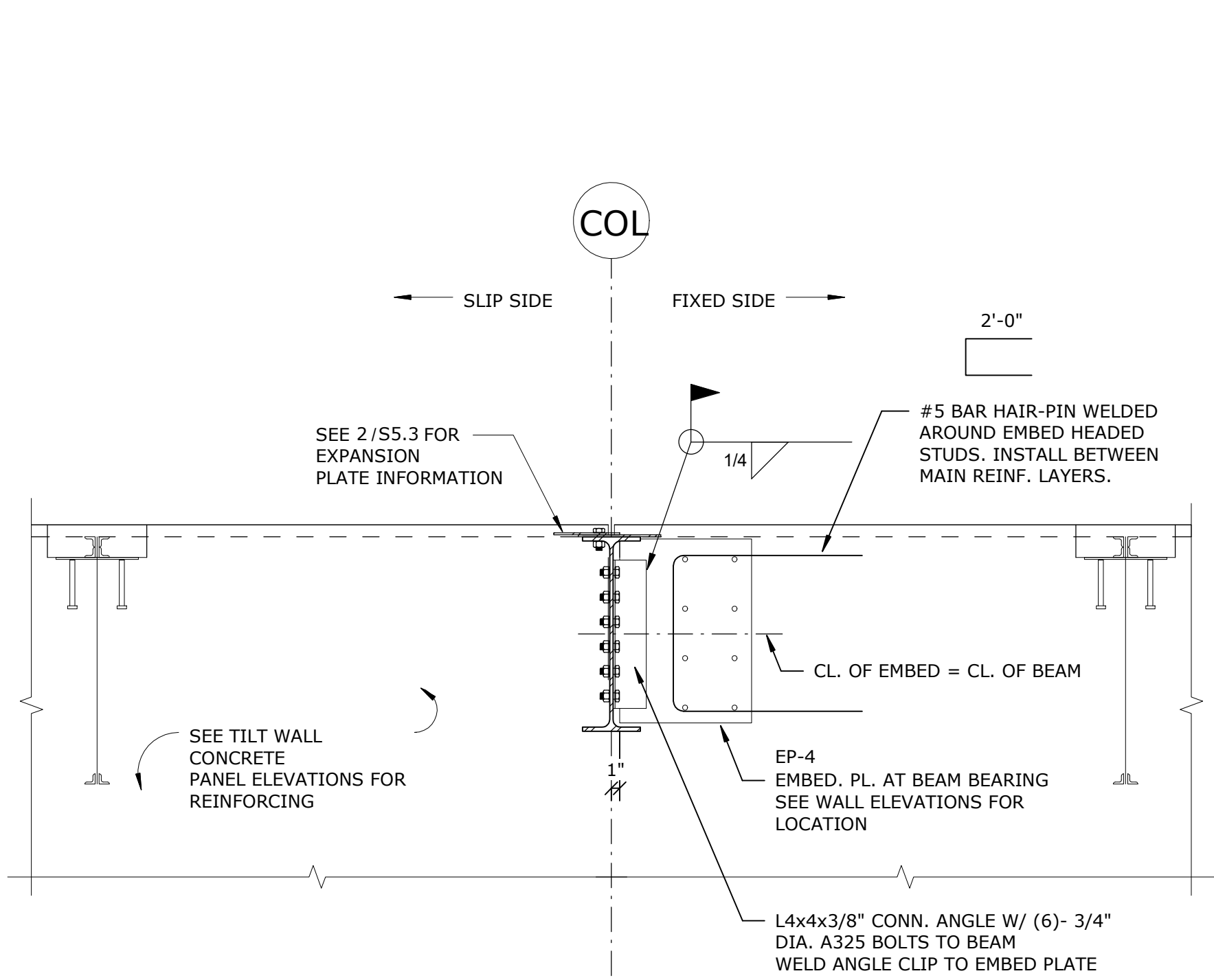
9
S5.2 SECTION @ GIRDER BEARING - AT PANEL JT.
SCALE: 3/4" = 1'-0"



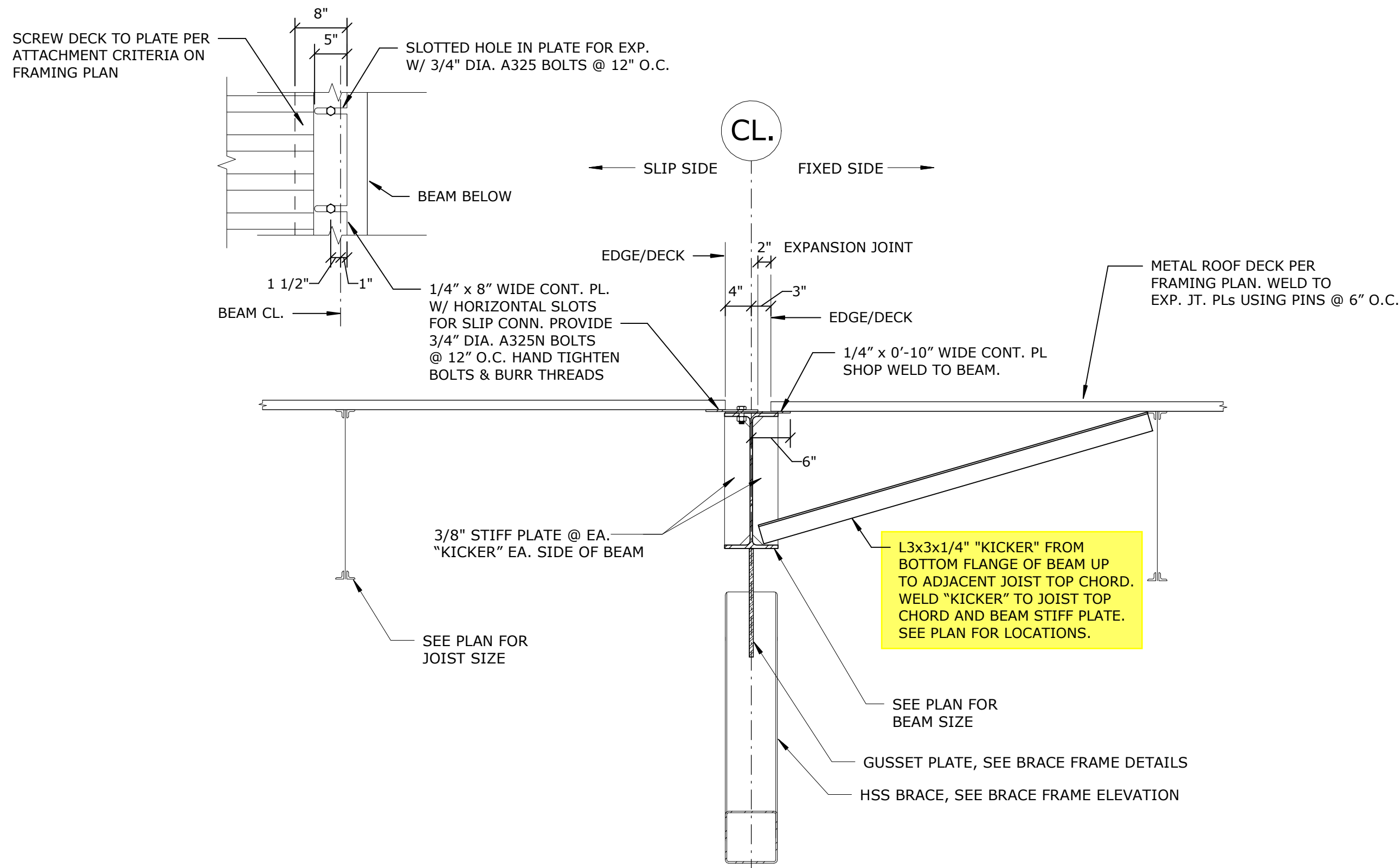
10
S5.2 GIRDER BEARING TIE REINFORCEMENT - AT PANEL JT.
SCALE: 3/4" = 1'-0"



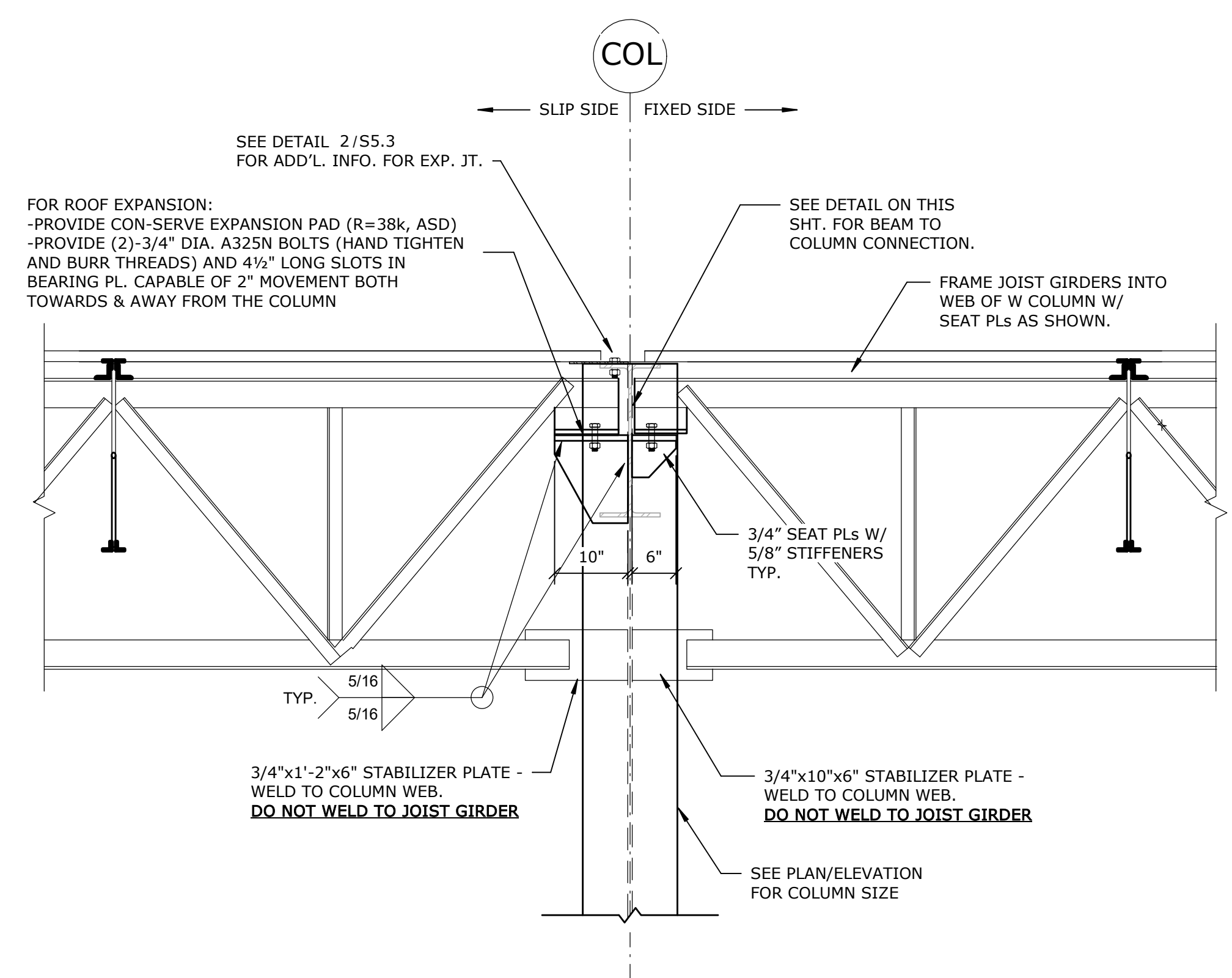
11
S5.2 GIRDER BLOCKOUT DETAIL - AT PANEL JT.
SCALE: 1 1/2" = 1'-0"



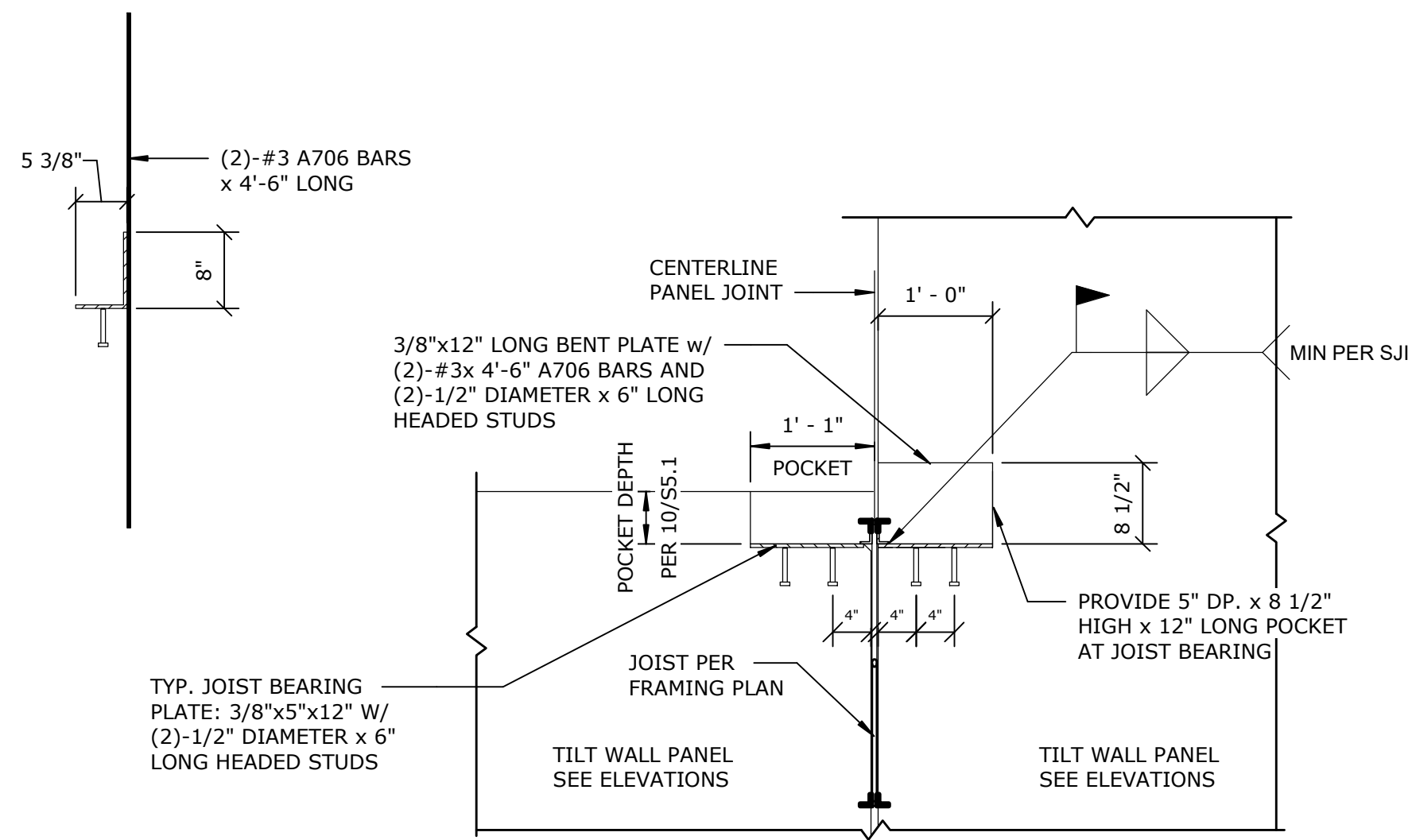
1 SECTION @ BEAM BEARING @ PANEL JOINT
S5.3 SCALE: 3/4" = 1'-0"



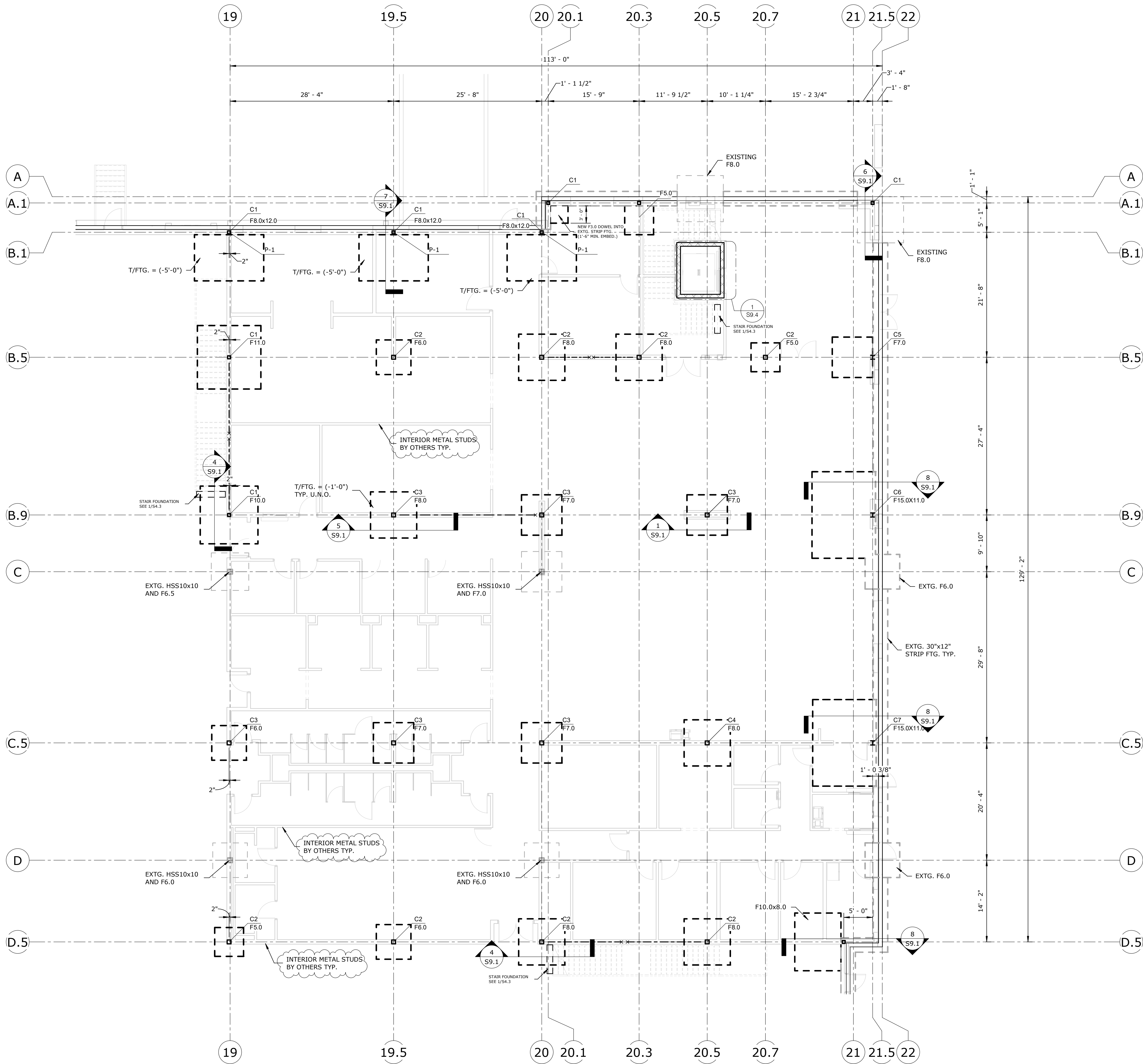
2 SECTION @ ROOF EXPANSION
S5.3 SCALE: 3/4" = 1'-0"



3 SECTION @ GIRDER BEARING EXPANSION JOINT
S5.3 SCALE: 3/4" = 1'-0"



4 JOIST BEARING AT PANEL JOINT (AT PARAPET TRANSITION)
S5.3 SCALE: 3/4" = 1'-0"



COLUMN FOOTING SCHEDULE		
3,000 P.S.F. SOIL BEARING CAPACITY (ASSUMED)		
MARK	DIMENSIONS	REINFORCEMENT
F3.0	3'-0" SQUARE X 1'-0" THICK	(4) #4 BARS @ 2'-6" E.W. BOTTOM
F5.0	5'-0" SQUARE X 1'-0" THICK	(5) #5 BARS @ 4'-6" E.W. BOTTOM
F6.0	6'-0" SQUARE X 1'-2" THICK	(7) #5 BARS @ 5'-6" E.W. BOTTOM
F7.0	7'-0" SQUARE X 1'-5" THICK	(6) #6 BARS @ 6'-6" E.W. BOTTOM
F8.0	8'-0" SQUARE X 1'-7" THICK	(6) #7 BARS @ 7'-6" E.W. TOP & BOTTOM
F8.0x10.0	8'-0" X 10'-0" X 2'-0" THICK	(7) #8 BARS @ 7'-6" & 9'-6" E.W. TOP & BOTTOM
F8.0x12.0	8'-0" X 12'-0" X 1'-6" THICK	(8) #8 BARS @ 7'-6" & 11'-6" E.W. TOP & BOTTOM
F10.0	10'-0" SQUARE X 2'-0" THICK	(9) #7 BARS @ 9'-6" E.W. TOP & BOTTOM
F11.0	11'-0" SQUARE X 2'-2" THICK	(8) #8 BARS @ 10'-6" E.W. TOP & BOTTOM
F15.0x11.0	15'-0" X 11'-0" X 2'-0" THICK	(10) #8 BARS @ 14'-6" & 10'-6" E.W. TOP & BOTTOM

STRUCTURAL COLUMN SCHEDULE		
MARK	COLUMN SIZE	BASE PLATE DETAIL
C1	HSS6X6X1/4	3/4" x 12" x 12" & (4) 1/2" DIA. ASTM F1554 GR 36 THREADED ANCHOR RODS, EMBED. LENGTH (FTG. THICKNESS - 3")
C2	HSS8X8X1/4	3/4" x 14" x 14" & (4) 3/4" DIA. ASTM F1554 GR 36 THREADED ANCHOR RODS, EMBED. LENGTH (FTG. THICKNESS - 3")
C3	HSS8X8X3/8	3/4" x 14" x 14" & (4) 3/4" DIA. ASTM F1554 GR 36 THREADED ANCHOR RODS, EMBED. LENGTH (FTG. THICKNESS - 3")
C4	HSS8X8X1/2	1" x 14" x 14" & (4) 3/4" DIA. ASTM F1554 GR 36 THREADED ANCHOR RODS, EMBED. LENGTH (FTG. THICKNESS - 3")
C5	W8X31	3/4" x 12" x 14" & (4) 1/2" DIA. ASTM F1554 GR 36 THREADED ANCHOR RODS, EMBED. LENGTH (FTG. THICKNESS - 3")
C6	W8X48	3/4" x 12" x 14" & (4) 1/2" DIA. ASTM F1554 GR 36 THREADED ANCHOR RODS, EMBED. LENGTH (FTG. THICKNESS - 3")
C7	W8X58	3/4" x 12" x 14" & (4) 1/2" DIA. ASTM F1554 GR 36 THREADED ANCHOR RODS, EMBED. LENGTH (FTG. THICKNESS - 3")

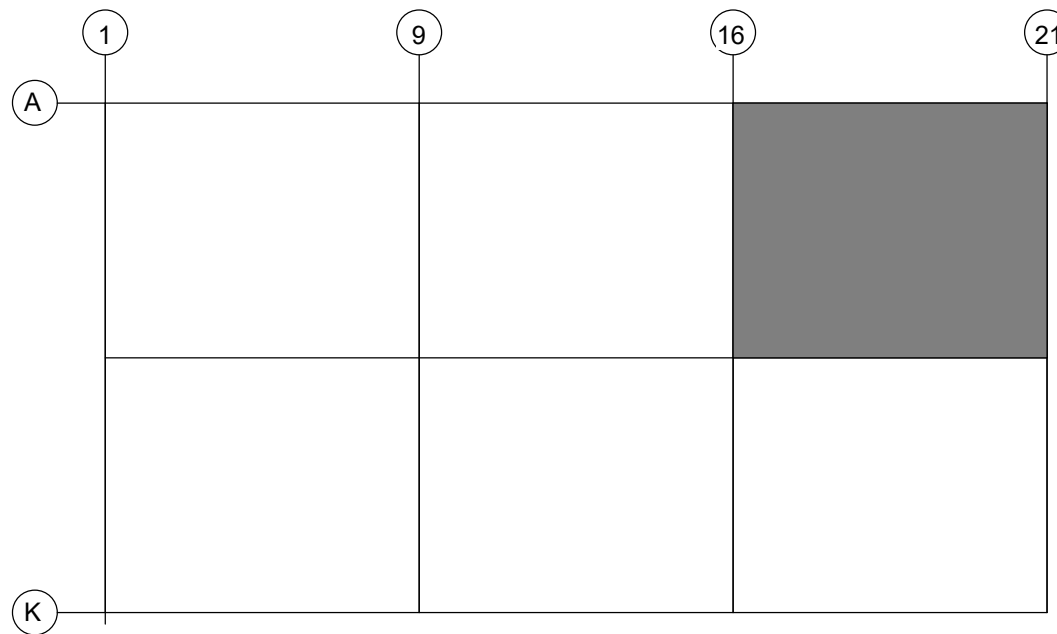
NOTES & LEGEND:

(XX'-XX") - INDICATES TOP OF FOOTING ELEVATION IN RELATION TO REFERENCE F.F.E. 0'-0" U.N.O.

- PLAN SCALE - 1/16" = 1'-0"
- DIMENSIONS LINES ARE TO THE CENTERLINE OF COLUMN AND/OR FACE OR TILT-UP WALLS UNLESS NOTED OTHERWISE ON PLAN.
- SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN. VERIFY DIMENSIONS SHOWN W/ ARCH. DWGS.
- FX-X - INDICATES SPREAD FOOTING. SEE SCHEDULE FOR SIZE.
- FLOOR CAST SLAB AND FINISHING TOLERANCES:

FLOOR FLATNESS FF (SEE SPEC. FOR AVG. & LOCAL MIN.)
FLOOR LEVELNESS FL (SEE SPEC. FOR AVG. & LOCAL MIN.)

6. P-1 - INDICATES PIER PER 8/S4.1
P-2 - INDICATES PIER PER 9/S4.1



1 MEZZANINE FOUNDATION PLAN
S7.1 SCALE: 1/8" = 1'-0"

MEZZANINE FLOOR NOTES

DESIGN LOADS

DEAD LOAD - 85 PSF
LIVE LOAD - 100 PSF

FLOOR CONSTRUCTION: 5" THICK, 3000 PSI NORMAL WEIGHT CONCRETE SLAB ON 1 1/2", 18 GA. GALVANIZED COMPOSITE FLOOR DECK REINFORCED W/ #3 BARS @ 12" O.C. EA. WAY. PROVIDE 1" CLEARANCE FROM TOP OF SLAB TO TOP OF #3 BARS.

FINISHED FLOOR ELEVATION = +16'-0"

TOP OF STEEL ELEVATION = 15'-7" TYPICAL U.N.O.

W??x?? (#) (#) - INDICATES BEAM SIZE (NUMBER OF 3/4" DIA. x 3 1/2" LONG HEADED STUDS)

FLOOR DECK ATTACHMENT:
ATTACH FLOOR TO SUPPORTING MEMBERS AND CLOSURE ANGLES IN ACCORDANCE WITH VULCRAFT WELD ATTACHMENT PATTERN 36/4 WITH 3-SIDELAP FASTENERS PER SPAN (5/8" DIA. PUDDLE WELDS AT SUPPORTS AND PERIMETER & #10 TEK SCREWS AT SIDELAPS)

DETAILERS NOTE:
ALL FLOORS BEAMS TO COLUMN CONNECTIONS SHALL BE DOUBLE ANGLE CONNECTIONS. WT CAN BE USED IN LIEU OF DOUBLE ANGLE BUT THICKNESS AND WELDS MUST MATCH ANGLE TABLES. ROOF OR TOP OF COLUMN CONNECTION TO BEAM CAN BE THRU PLATE BUT NOT FACE MOUNTED.

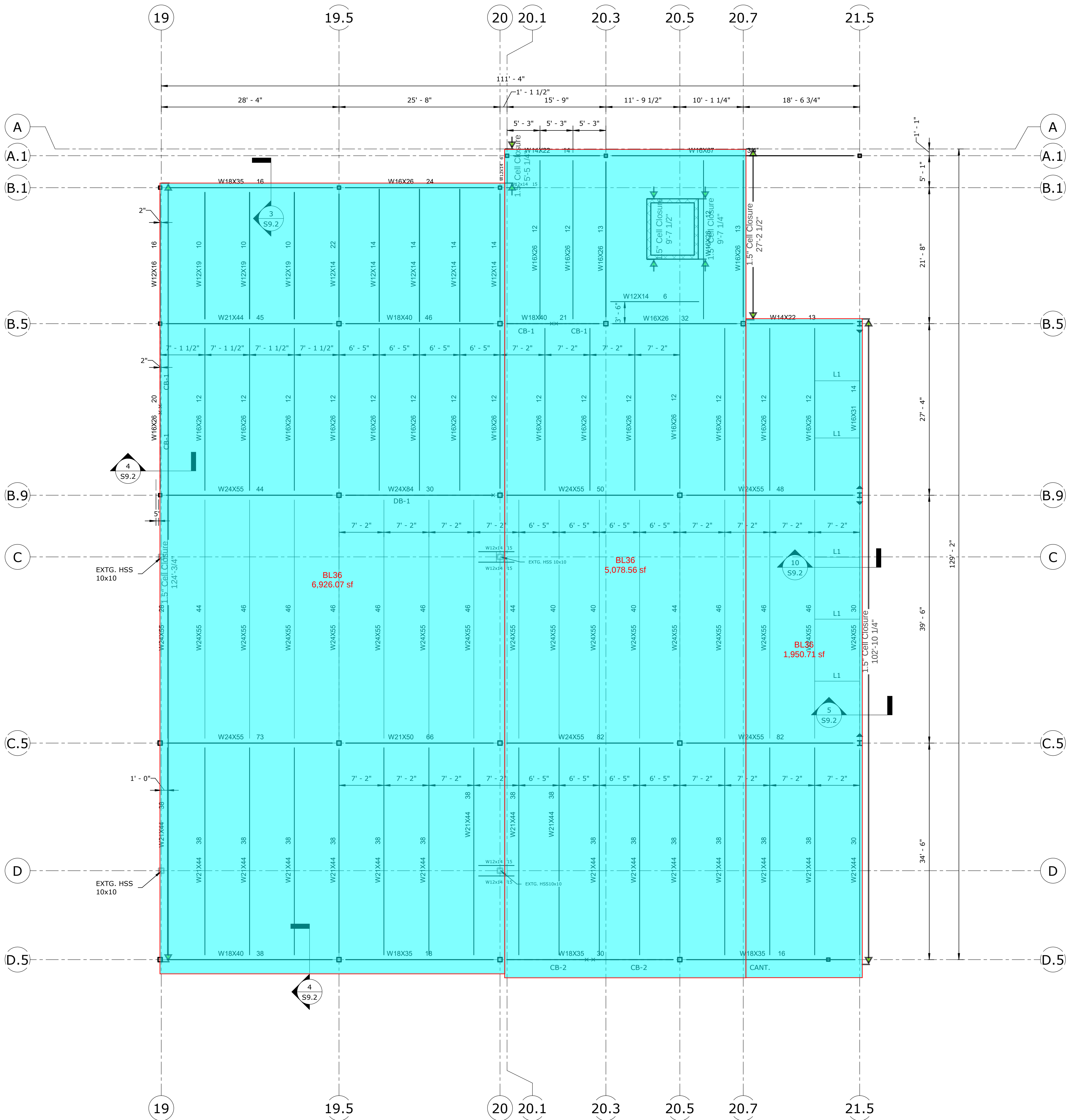
INDICATES MOMENT FRAME. SEE S4.2 FOR MOMENT CONNECTION DETAIL

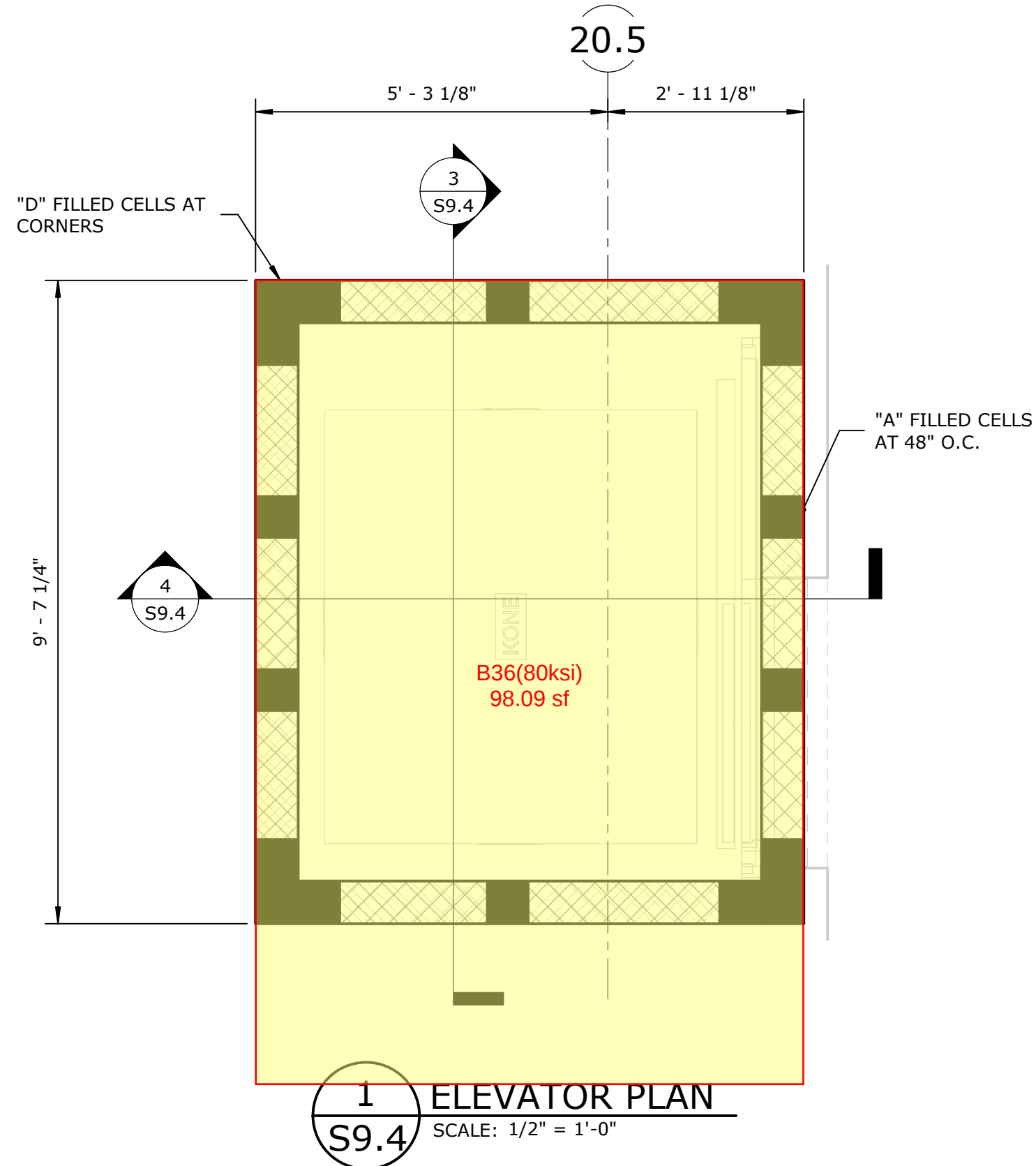
CB-1 - INDICATES HSS 6x6x1/4 CHEVRON BRACE (SEE S4.1 & S4.2 FOR DETAILS)

CB-2 - INDICATES HSS 6x6x3/8 CHEVRON BRACE (SEE S4.1 & S4.2 FOR DETAILS)

DB-1 - INDICATES HSS 6x6x3/8 DIAGONAL BRACE (SEE S4.1 & S4.2 FOR DETAILS)

L1 - INDICATES L3x3x1/4" "KICKER". SEE 9/S4.2 FOR DETAIL

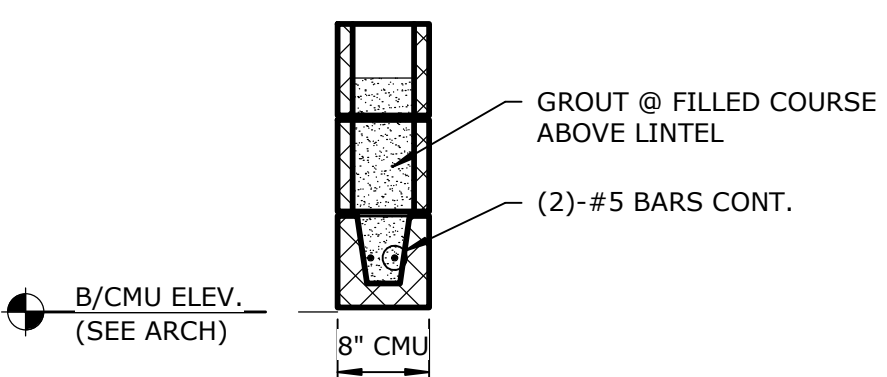
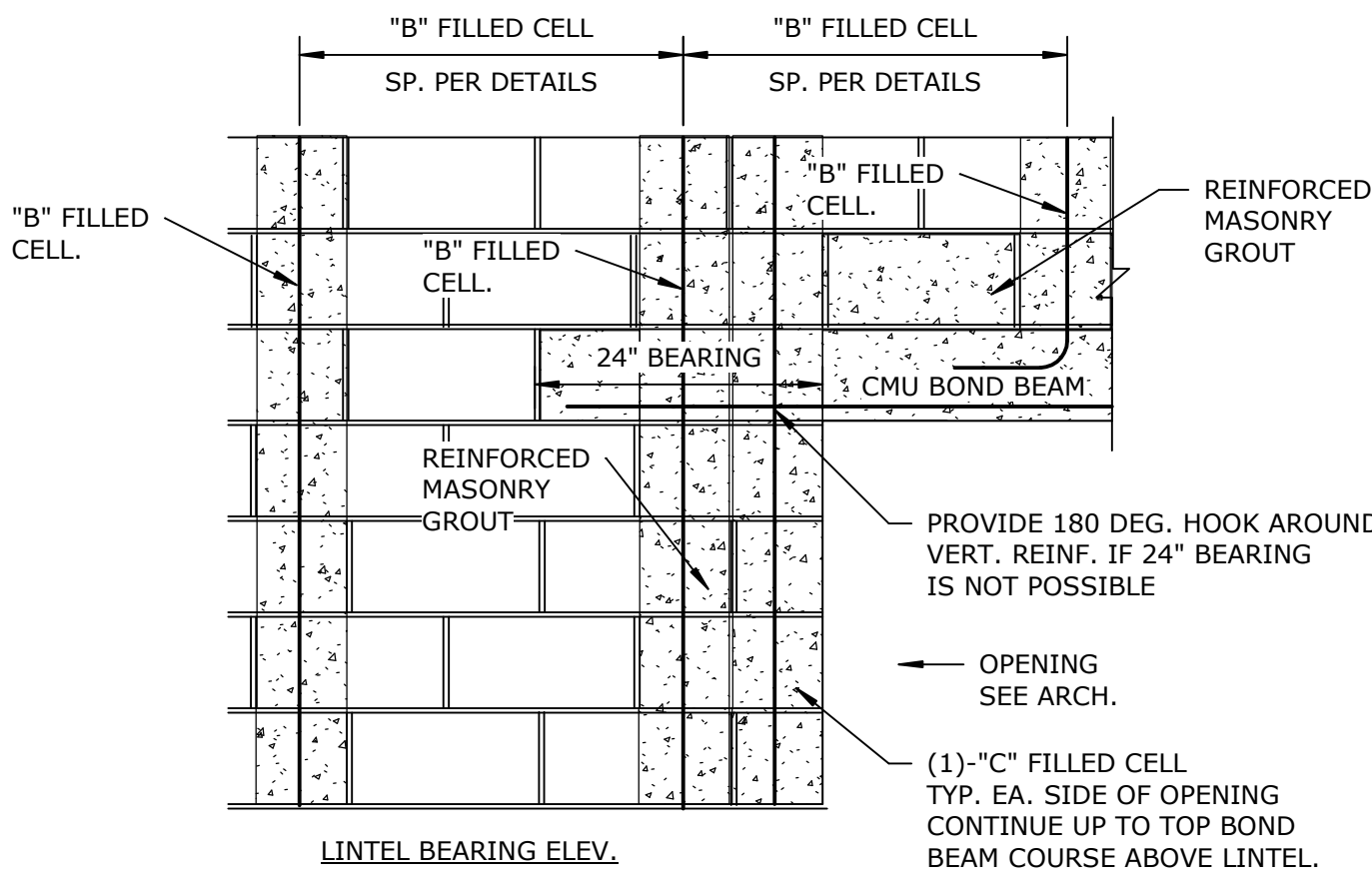
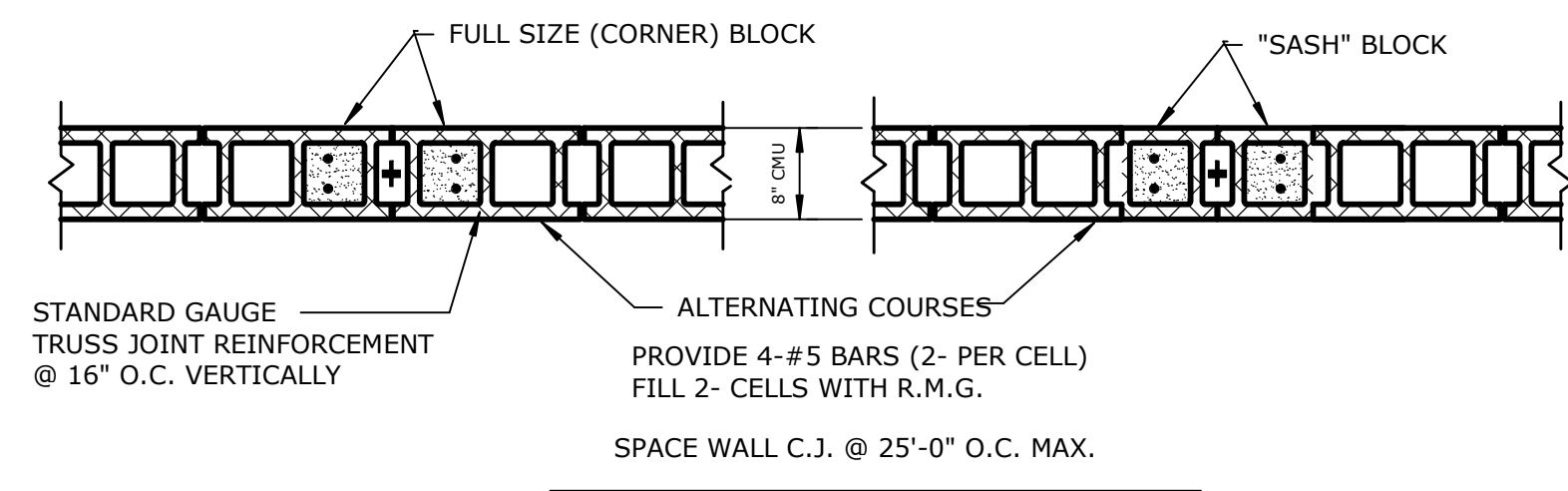
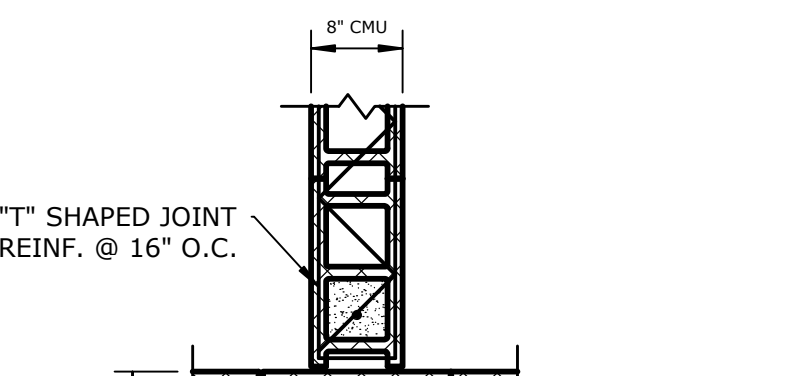
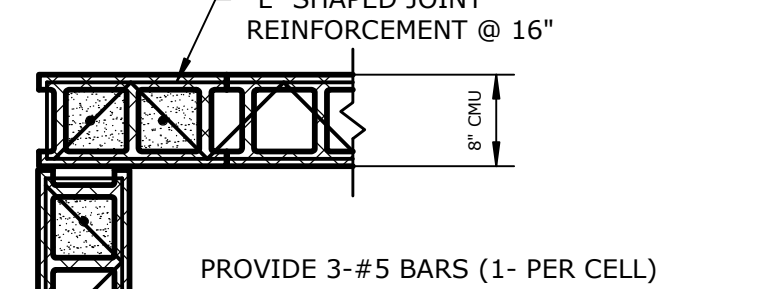
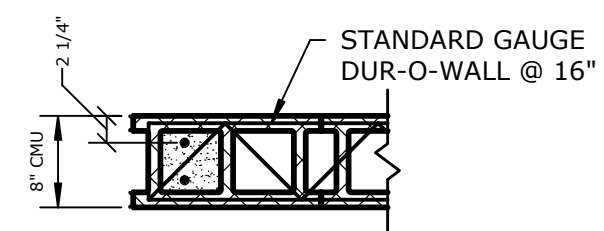
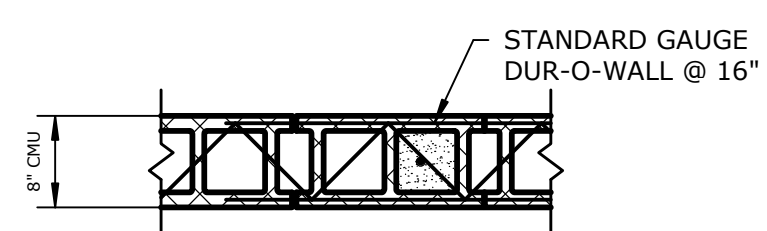
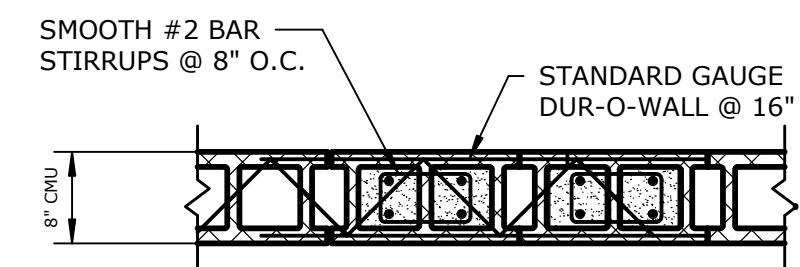




SCHEDULE OF 8" CMU FILLED CELLS
RUNNING BOND CONSTRUCTION TYP.

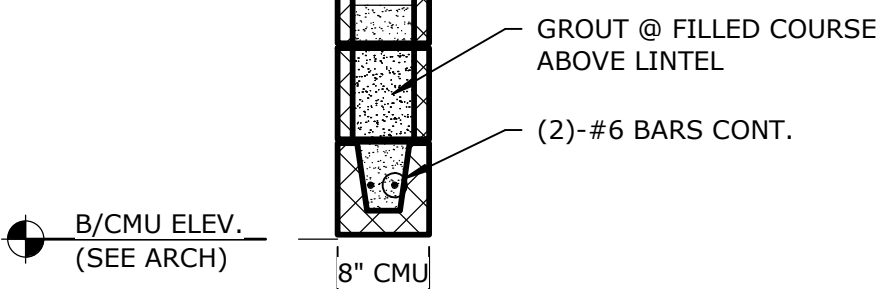
NOTE TO CONTRACTOR:
DO NOT PLACE CONDUIT
IN FILLED CELLS (TYP.)

SEE MASONRY GENERAL NOTES
FOR REINFORCEMENT LAP
LENGTHS AT FILLED CELLS



FOR SPANS UP TO 4'-0" IN 8" CMU

LINTEL TYPE L-1



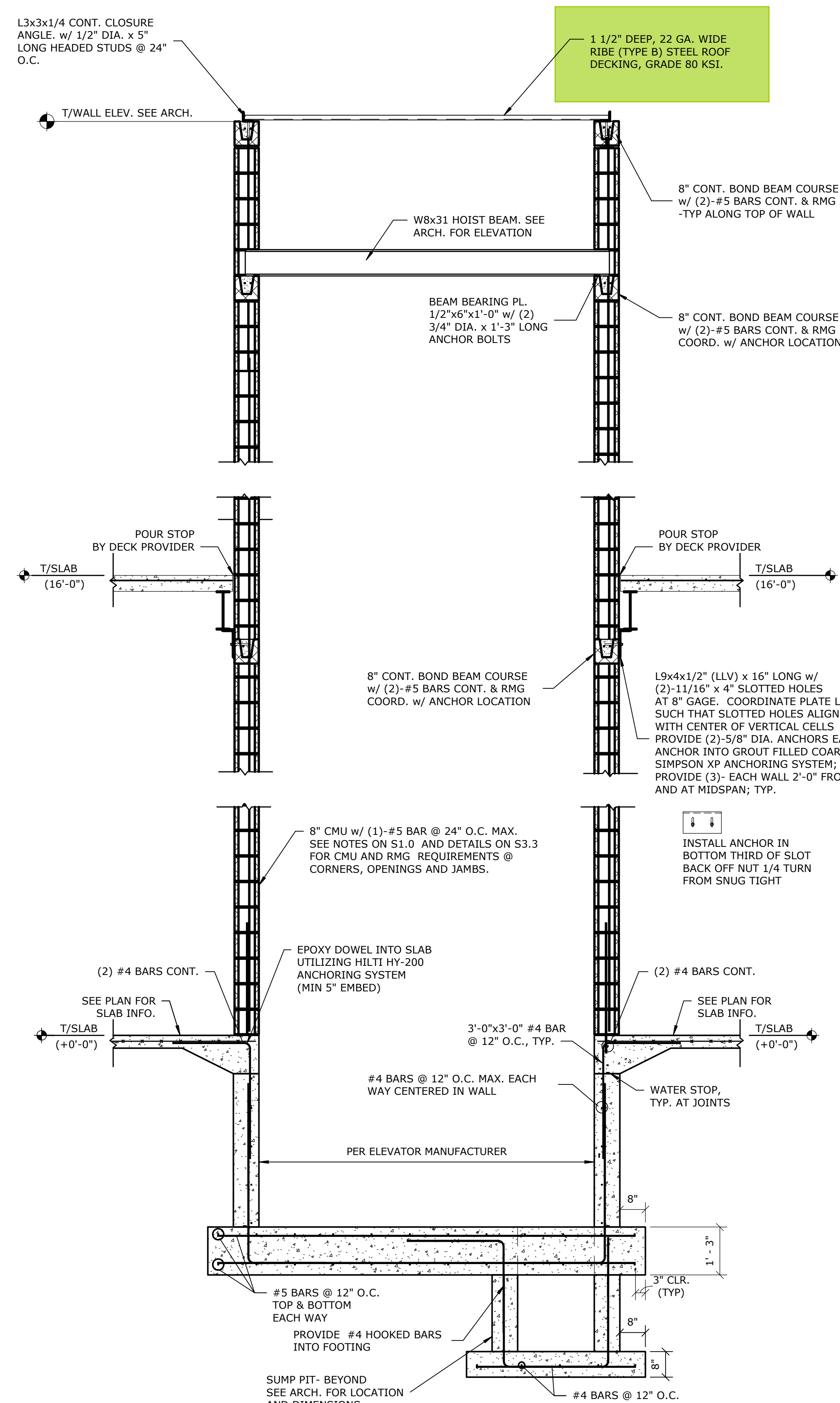
FOR SPANS 4'-0" TO 8'-0" IN 8" CMU

LINTEL TYPE L-2

2
S9.4

FILLED CELL DETAILS 8" CMU

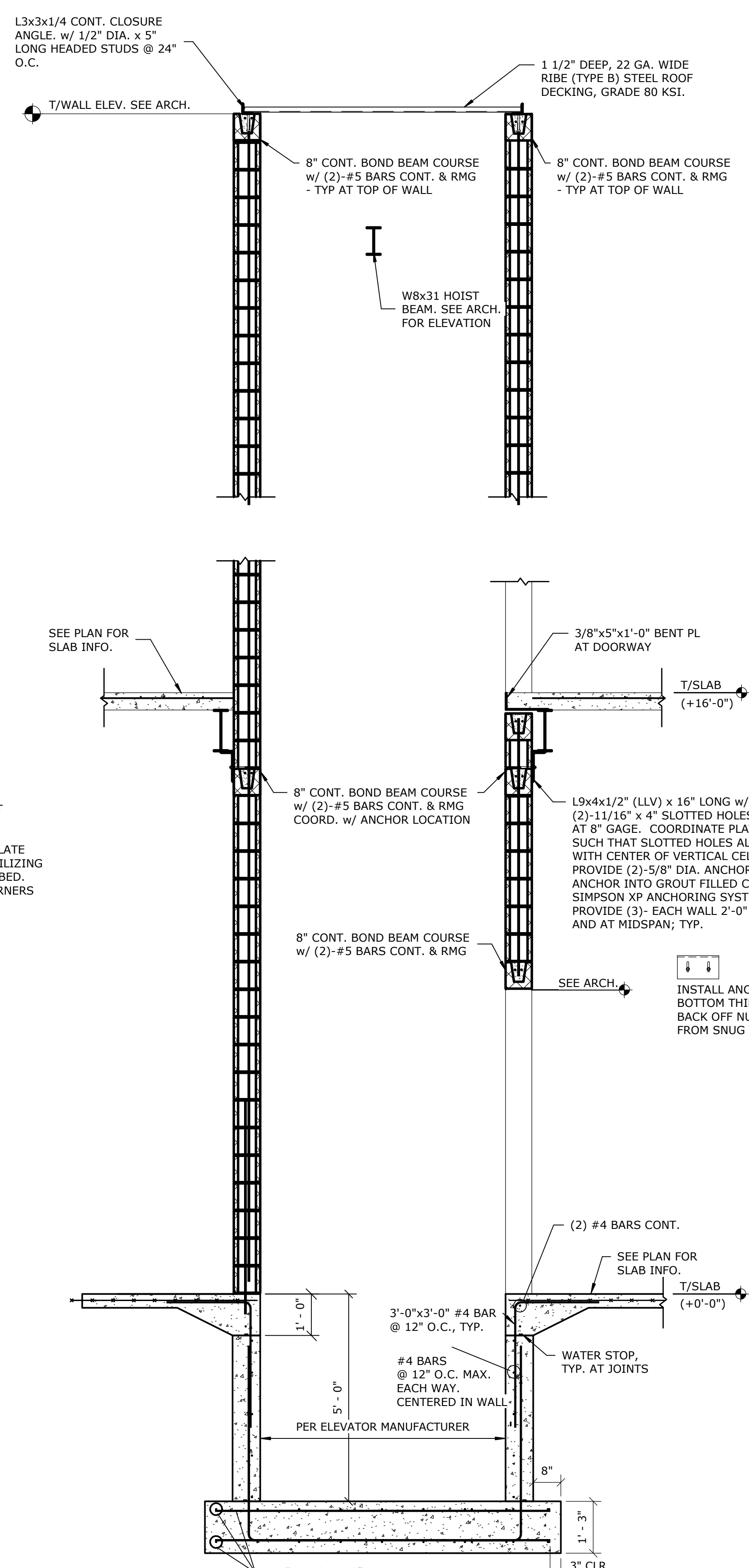
SCALE: 3/4" = 1'-0"



3
S9.4

SECTION THRU ELEVATOR

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



4
S9.4

SECTION THRU ELEVATOR AT DOOR4

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

JOISTS

NOTES :

0

LL DEFL **L/240**

TL DEFL

JOIST SPACING

0

DWG	MARK	QTY	BCX	DEPTH	LOAD	SPAN	SPACE	NU PSF	TCX L	TCX R	COMMENTS
	M01	3		30K	214/167	59'-3"	3.5	24	5"		1, 2, 11
	M02	3		30K	292/222	59'-3"	5.125	24	5"		1, 2, 12
	M03	3		30K	307/213	59'-3"	6.75	24	5"		1, 2, 13
	M04	3		30K	223/128	59'-3"	6.75	24	5"		1, 3, 14
	M05	3		30K	202/107	59'-3"	6.75	24	5"		1, 3, 15
	M06	294	35	30K	202/107	59'-3"	6.75	16.8	5"		1, 4, 15
	M07	10		28K	214/167	50'-0"	3.5	24			1, 11
	M08	10		28K	292/222	50'-0"	5.125	24			1, 12
	M09	10		28K	307/213	50'-0"	6.75	24			1, 13
	M10	10		28K	223/128	50'-0"	6.75	24			1, 14
	M11	10		28K	211/116	50'-0"	6.75	24			1, 16
	M12	50	10	28K	211/116	50'-0"	6.75	16.8			1, 16
	M14	827	95	28K	211/116	50'-0"	6.75	10.8			1, 16
	M15	6	1	28K	211/116	50'-0"	6.75	10.8			1, 5, 16
	M16	1		28K	232/117	50'-0"	6.75	10.8			1, 6, 17
	M17	4	1	28K	232/117	50'-0"	6.75	16.8			1, 6, 17
	M18	1		28K	232/117	50'-0"	6.75	16.8			1, 17
	M19	2		28K	232/117	50'-0"	6.75	24			1, 17
	M20	1		28K	265/150	50'-0"	6.75	24			1, 18
	M21	1		28K	261/175	50'-0"	5.125	24			1, 19
	M22	1		28K	293/136	50'-0"	3.5	24			1, 20
	M23	1		12K	267/196	14'-3"	3.875	24	5"		1, 21
	M24	1		28K	232/117	50'-0"	6.75	10.8			1, 7, 8, 17
	M25	4	1	28K	232/117	50'-0"	6.75	16.8			1, 7, 8, 17
	M26	1		28K	232/117	50'-0"	6.75	16.8			1, 8, 17
	M27	1		28K	232/117	50'-0"	6.75	24			1, 8, 17
	M28	5		28K	211/116	50'-0"	6.75	10.8			1, 8, 16
TOTAL		1266	143								

JOISTS

NOTES :

0

LL DEFL **L/240**

TL DEFL

JOIST SPACING

0

DWG	MARK	QTY	BCX	DEPTH	LOAD	SPAN	SPACE	NU PSF	TCX L	TCX R	COMMENTS
	M29	1		28K	243/128	50'-0"	6.75	24			1, 8, 22
	M30	1		28K	327/213	50'-0"	6.75	24			1, 8, 23
	M31	1		28K	307/175	50'-0"	5.125	24			1, 8, 24
	M32	1		28K	224/167	50'-0"	3.375	24			1, 8, 25
	M33	1		28K	267/196	50'-0"	3.875	24			1, 8, 21
	M34	3	1	36LH	223/108	59'-3"	6.75	16.8	5"		1, 4, 9, 26
	M35	2		36LH	223/108	64'-3"	6.75	16.8	5"		1, 4, 9, 26
	M36	1		36LH	218/103	64'-3"	6.75	16.8	5"		1, 10, 27
	M37	2		36LH	218/103	64'-3"	6.75	24	5"		1, 27
	M38	1		36LH	271/156	64'-3"	6.75	24	5"		1, 28
	M39	1		36LH	261/175	64'-3"	5.125	24	5"		1, 19
	M40	1		36LH	193/136	64'-3"	3.375	24	5"		1, 29
	M41	1		36LH	267/196	64'-3"	3.875	24	5"		1, 21
TOTAL	17		1								

NOTES

1	PROVIDE EXTEA FOR ROLLOVER FORCE @ BOTH SHOE		
2	ADD'L NU: 5.4 PSF FROM TE TO 29'-0"		
3	ADD'L NU: 5.4 PSF FROM TE TO 10'-0"		
4	ADD'L NU: 5.4 PSF FROM TE TO 29'-0"		
5	ADD'L PL: 0.42K @ 1.25' TO 2.25' & 5.25' TO 7.25' FTE @ TC		
6	ADD'L PL: (1) 2.5K @ TE TO 13'-5" @ TC		
7	ADD'L PL: (1) 2.5K @ TE TO 13'-5" & NON TE TO 13'-5" @ TC		
8	SHOE DEPTH 5" @ TE		
9	ADD'L PL: (1) 2.5K @ NON TE TO 13'-5" @ TC		
10	ADD'L NU: 5.4 PSF FROM TE TO 34'-0"		
11	Design joist for 214/167PLF Load		
12	Design joist for 292/222PLF Load		
13	Design joist for 307/213PLF Load		
14	Design joist for 223/128PLF Load		
15	Design joist for 202/107PLF Load		
16	Design joist for 211/116PLF Load		
17	Design joist for 232/117PLF Load		
18	Design joist for 265/150PLF Load		
19	Design joist for 261/175PLF Load		
20	Design joist for 293/136PLF Load		
21	Design joist for 267/196PLF Load		
22	Design joist for 243/128PLF Load		
23	Design joist for 327/213PLF Load		
24	Design joist for 307/175PLF Load		
25	Design joist for 224/167PLF Load		
26	Design joist for 223/108PLF Load		
27	Design joist for 218/103PLF Load		
28	Design joist for 271/156PLF Load		
29	Design joist for 193/136PLF Load		

GIRDER

DWG	MARK	QTY	BCX	DESIGNATION	SPAN	NU	TCX L	TCX R	COMMENTS
	G01	3	3	60G8N10.5	54'-0"				30, 31, 40, 46
	G02	1	1	44G9N10.2	54'-0"				31, 32, 42, 47
	G03	1	1	60G9N10.2	54'-0"				31, 32 42, 48
	G04	4	4	60G9N9	54'-0"				31, 32 42, 49
	G05	35	35	60G8N10.5	54'-0"				33, 41, 46
	G06	35	35	44G8N9	54'-0"				33, 43, 50
	G07	46	46	60G8N9	54'-0"				33, 43, 51
	G08	8	8	60G8N9	54'-0"				33, 34, 43, 51
	G09	1	1	44G8N9	54'-0"				33, 35, 43, 50
	G10	1	1	60G8N10.5	54'-0"				33, 35, 41 46
	G11	1	1	60G10N12.2	59'-0"				36, 37, 45, 52
	G12	1	1	44G10N11.6	59'-0"				37, 38, 44, 53
	G14	1	1	60G9N10.2	54'-0"				31, 39, 42, 48
	G15	2	2	44G9N9	54'-0"				31, 32, 42, 54
TOTAL		140	140						

NOTES

30	ADD'L PL: 0.3K @ PP4, 2.9K @ PP5, 6.7K @ PP6, 5.4K @ PP7, 1K @ PP8 FTE		
31	JOIST SPACING: (7) 6'-9", (1) 3'-4 1/2" & (1) REST OF JOIST SPAN		
32	ADD'L PL: 2.1K @ PP5, 6.3K @ PP6, 5.5K @ PP7, 1.6K @ PP8 FTE		
33	JOIST ARE IN EQUAL SPACING		
34	ADD'L PL: 0.84K @ PP1 FTE		
35	ADD'L PL: 1.8K @ PP1 & PP2 FTE		
36	ADD'L PL: 1.8K @ PP & PP2, 3K @ PP6, 2.7K @ PP7, 3K @ PP8 FTE		
37	JOIST SPACING: (7) 6'-9", (2) 3'-4 1/2" & (1) 5'-0" FTE		
38	ADD'L PL: 1.8K @ PP & PP2, 1.6K @ PP6, 1.4K @ PP7, 1.7K @ PP8 FTE		
39	ADD'L PL: 1.2K @ PP5, 4K @ PP6, 3.5K @ PP7 FTE		
40	NU: 6.54K @ PP1 & PP2, 8.88K @ PP3 TO PP5, 9.11K @ PP6, 6.92K @ PP7 & 4.72K @ PP8 FTE		
41	NU: 6.54K @ EACH PP		
42	NU: 5.67K @ PP1 & PP2, 8.1K @ PP3 TO PP6, 6.15K @ PP7, 4.2K @ PP8 FTE		
43	NU: 3.65K @ EACH PP		
44	NU: 5.67K @ PP1 & PP2, 8.1K @ PP3 TO PP6, 6.15K @ PP7, 4.2K @ PP8, 4.65K @ PP9 FTE		
45	NU: 6.93K @ PP1 & PP2, 9.3K @ PP3 TO PP6, 7.29K @ PP7, 4.98K @ PP8 & PP9 FTE		
46	Girder designation 60G8N10.5		
47	Girder designation 44G9N10.2		
48	Girder designation 60G9N10.2		
49	Girder designation 60G9N9		
50	Girder designation 44G8N9		
51	Girder designation 60G8N9		
52	Girder designation 60G10N12.2		
53	Girder designation 44G10N11.6		
54	Girder designation 44G9N9		