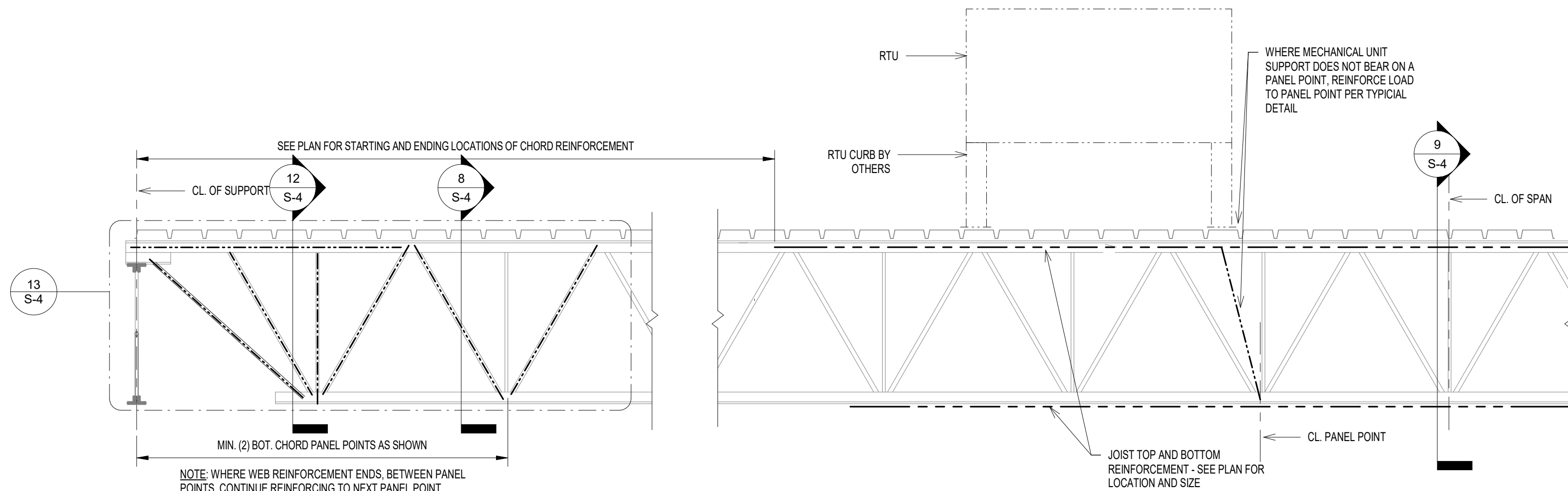
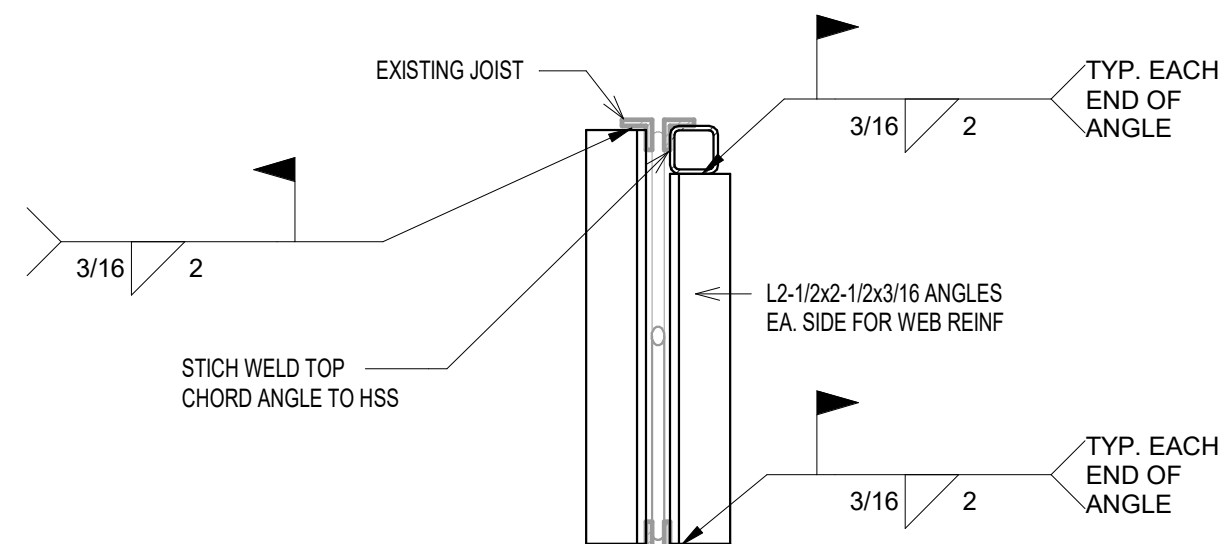


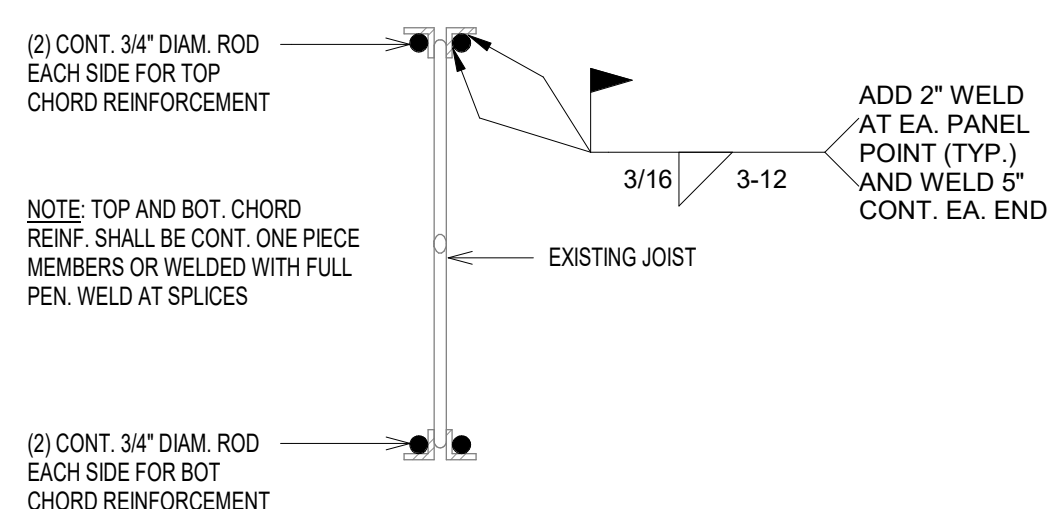
13 TYPICAL WEB REINFORCEMENT DETAIL - (ANGLE REINF.)
3/4" = 1'-0"



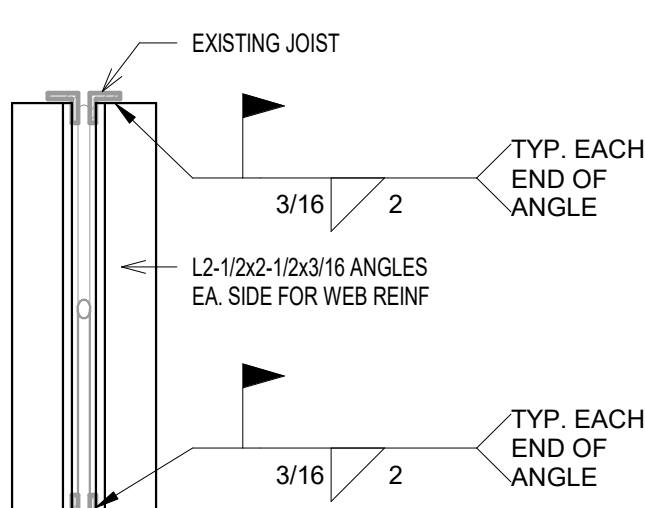
11 TYPICAL JOIST REINF. DETAIL
3/4" = 1'-0"



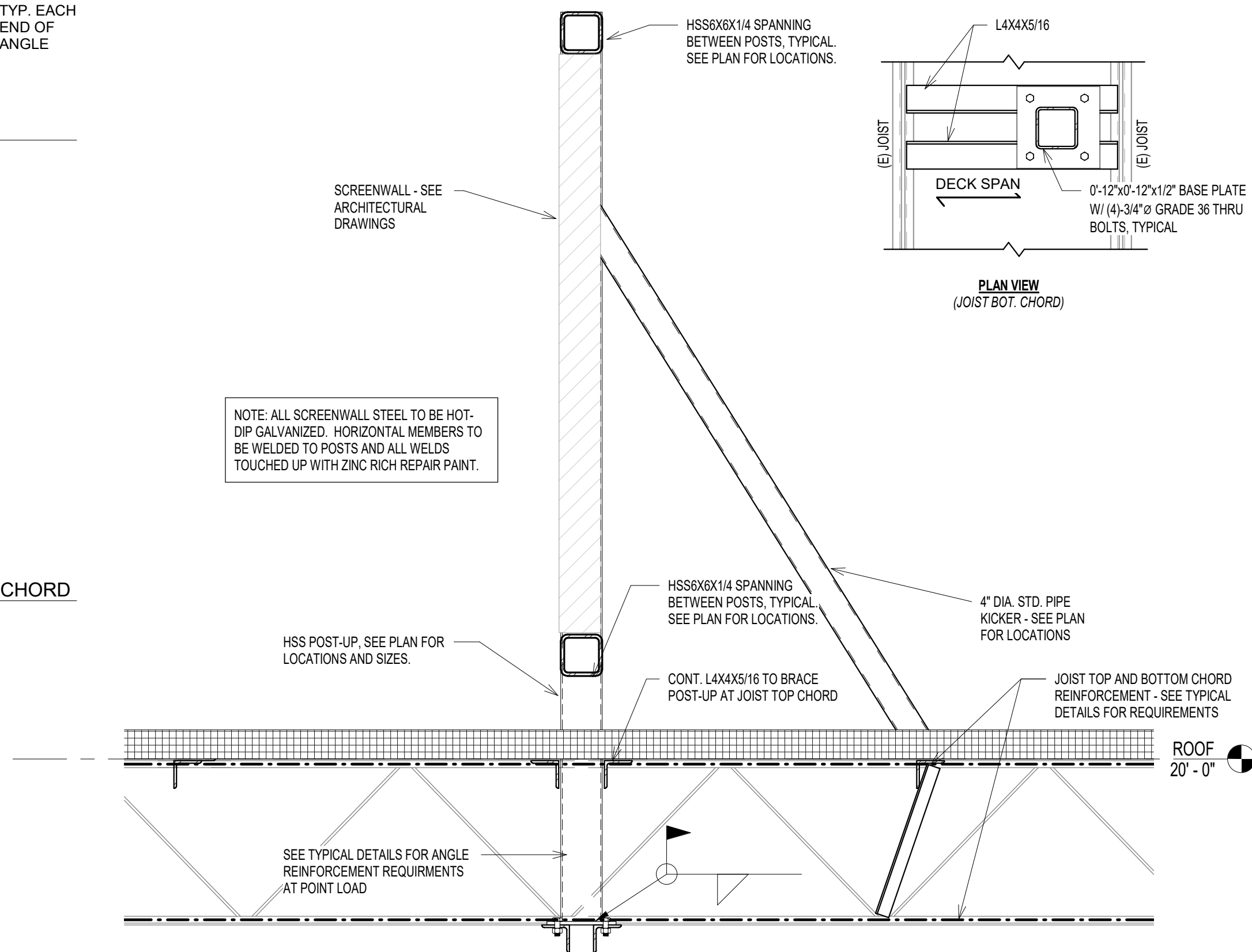
12 JOIST WEB REINF. DETAIL
1 1/2" = 1'-0"



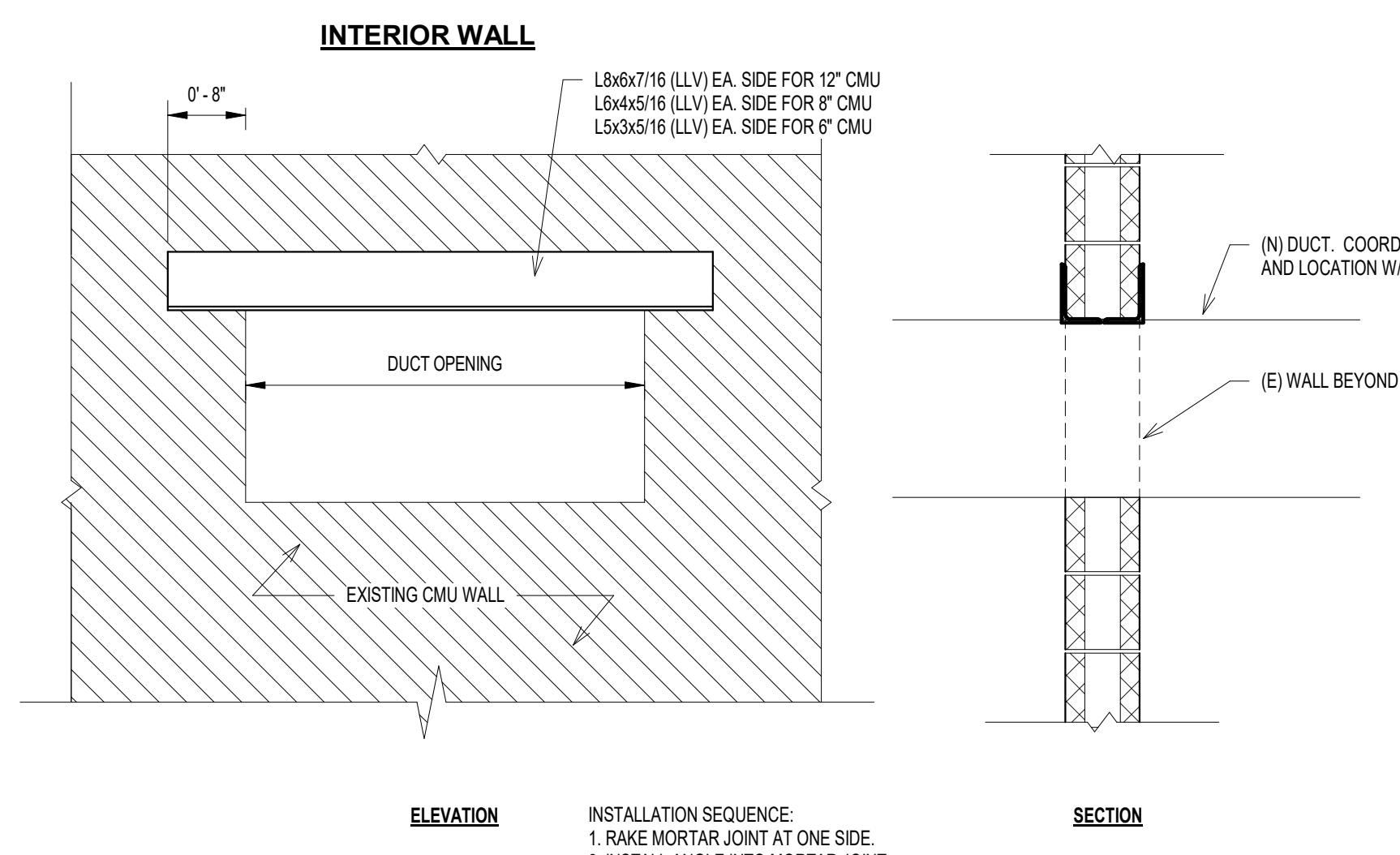
9 JOIST CHORD REINF. DETAIL - ANGLE TOP CHORD/PLATE BOTT. CHORD
1 1/2" = 1'-0"



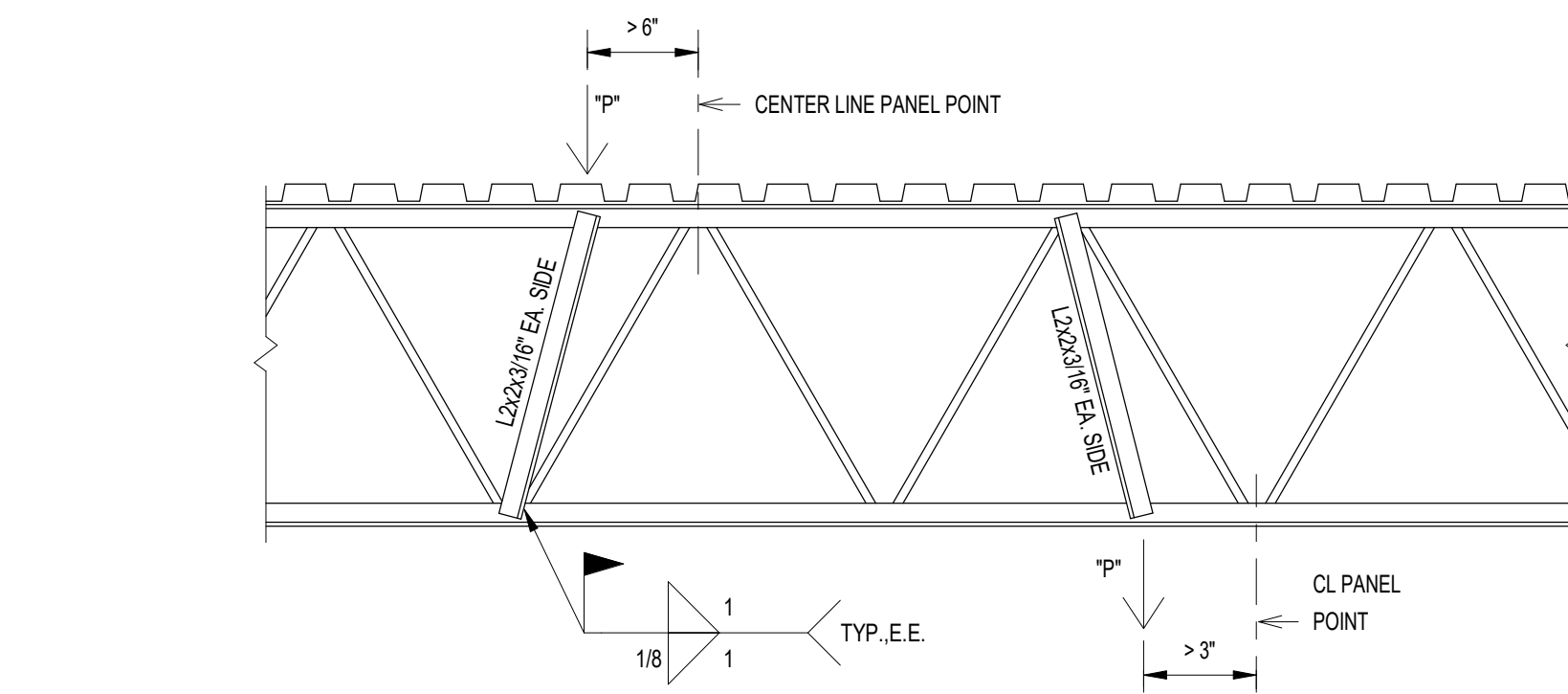
8 JOIST WEB REINF. DETAIL
1 1/2" = 1'-0"



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



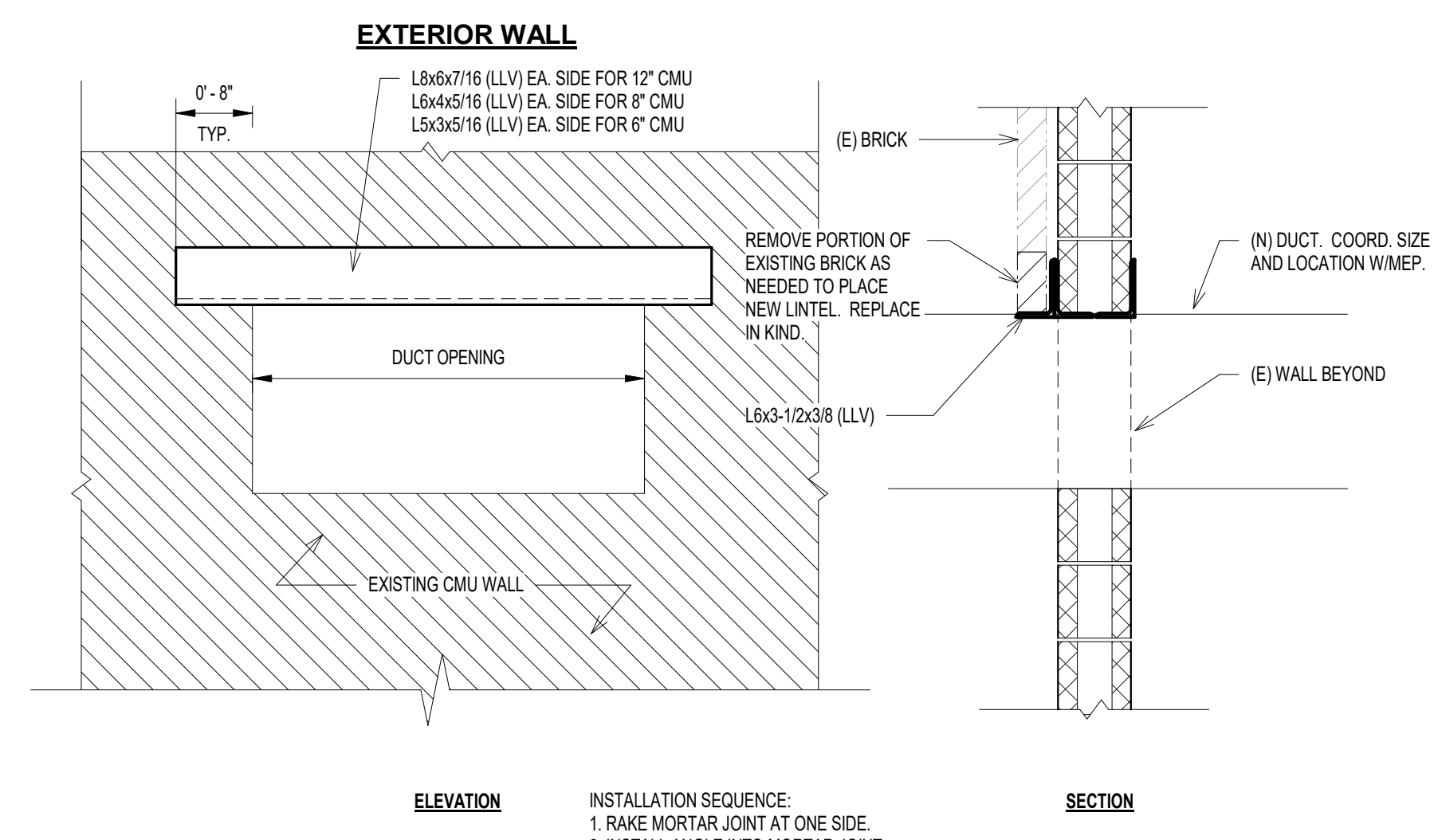
6 LINTELS AT DUCT PEN. THRU (E) WALL
3/4" = 1'-0"



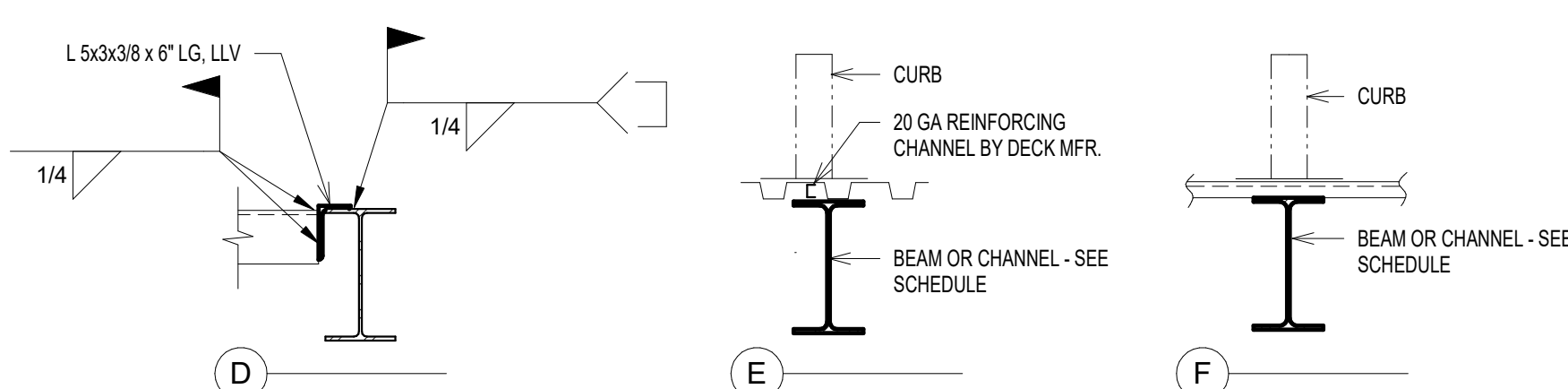
NOTES:

- INSTALL L2x2 STIFFENER ANGLES PER THIS DETAIL AT LOCATIONS WHERE CONCENTRATED LOADS > 150 POUNDS ARE ATTACHED TO THE TOP OR BOTTOM CHORDS OF JOISTS AT LOCATIONS > 3" TO THE CLOSEST ADJACENT PANEL POINT.
 - INDIVIDUAL CONCENTRATED LOADS SHALL NOT EXCEED THE FOLLOWING:
- | "K" SERIES JOIST DEPTH | MAX. PERMITTED CONC. LOAD |
|------------------------|---------------------------|
| 8" TO 12" | 200# |
| 14" TO 16" | 300# |
| 18" TO 20" | 400# |
| 22" TO 26" | 500# |
| 28" TO 30" | 600# |
- NO MORE THAN TWO CONCENTRATED LOADS > MAX. LOAD "K" MUST BE LOCATED AT LEAST SPAN/3 APART.
 - CONCENTRATED LOADS > MAX. LOAD "K" MUST BE LOCATED AT LEAST SPAN/3 APART.

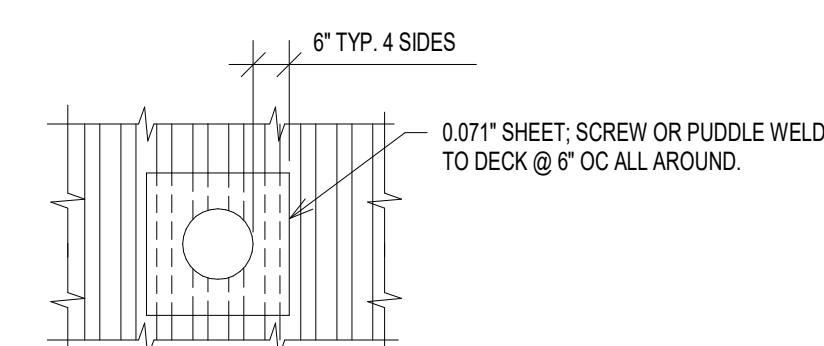
10 JOIST REINFORCING AT POINT LOAD (K-SERIES JOISTS)
3/4" = 1'-0"



- INSTALLATION SEQUENCE:
1. RAKE MORTAR JOINT AT ONE SIDE.
 2. INSTALL ANGLE INTO MORTAR JOINT.
 3. REPEAT AT OTHER SIDE.
 4. CUT NEW OPENING.



DIM "A"	DIM "B"	BEAM "C"
0'-0"	1'-1" TO 3'-0"	C6x8.2
≤ 6'-0"	3'-1" TO 5'-0"	C8x11.5
6'-1" TO 11'-0"	1'-1" TO 4'-11"	W8x10
	5'-1" TO 10'-0"	W10x12



C OPENINGS 4" TO 9" (NO EQUIPMENT LOADS)

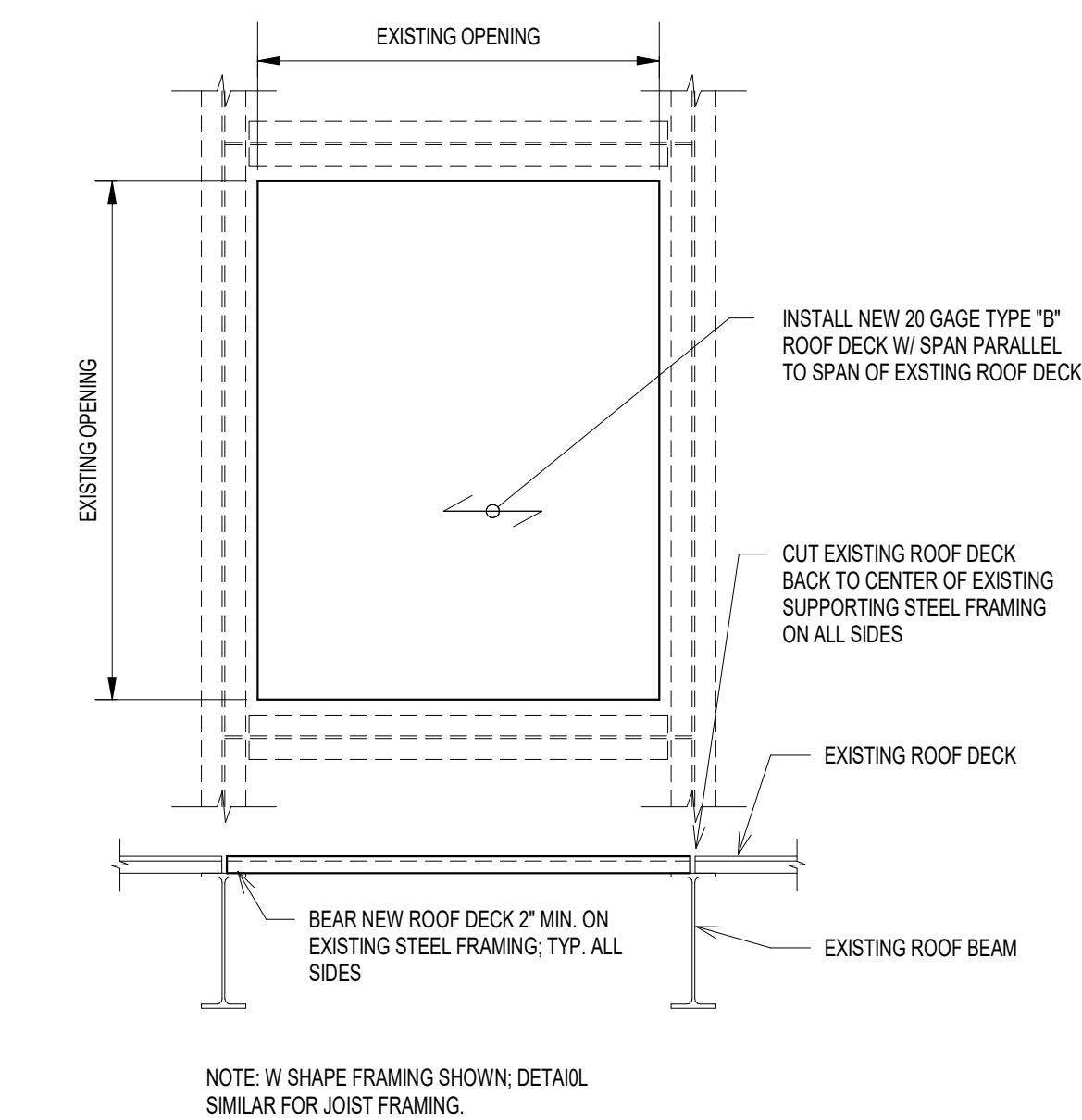


B @ OPENINGS 10" TO 18" (NO EQUIPMENT LOADS)

A BELOW MEP UNITS & BELOW OPNGS > 18" CONTRACTOR COORDINATE DIMENSIONS AND LOCATIONS

- NOTES:
1. SHIM TIGHT BETWEEN TOP OF NEW BEAM AND UNDERSIDE OF EXISTING SLAB. TACK WELD SHIMS TO BEAM.
 2. INSTALL NEW FRAMING BEFORE CUTTING OPENING IN SLAB.

3 TYPICAL MECHANICAL UNIT SUPPORT DETAIL (NEW)
3/4" = 1'-0"



2 NEW ROOF DECK OVER EXISTING OPENING IN EXISTING ROOF FRAMING
3/4" = 1'-0"

CMU BEARING WALL LUNEL SCHEDULE				
LUNEL TAG	WALL THICKNESS	DIMENSIONS	REINFORCING STEEL	NOTES
ML1	SEE PLAN	8" DEEP CMU BOND BEAM GROUTED SOLID	1-#5 BOTTOM	
ML2	SEE PLAN	8" DEEP CMU BOND BEAM GROUTED SOLID	2-#5 BOTTOM	
ML3	SEE PLAN	16" DEEP CMU BOND BEAM GROUTED SOLID	2-#5 TOP & BOTT.	

CMU NON-BEARING WALL LUNEL SCHEDULE				
OPENING WIDTH	WALL THICKNESS	DIMENSIONS	REINFORCING STEEL	NOTES
< 4'-0"	SEE PLAN	8" DEEP CMU BOND BEAM GROUTED SOLID	1-#4 BOTTOM	
4'-0" - 8'-0"	SEE PLAN	8" DEEP CMU BOND BEAM GROUTED SOLID	2-#4 BOTTOM	

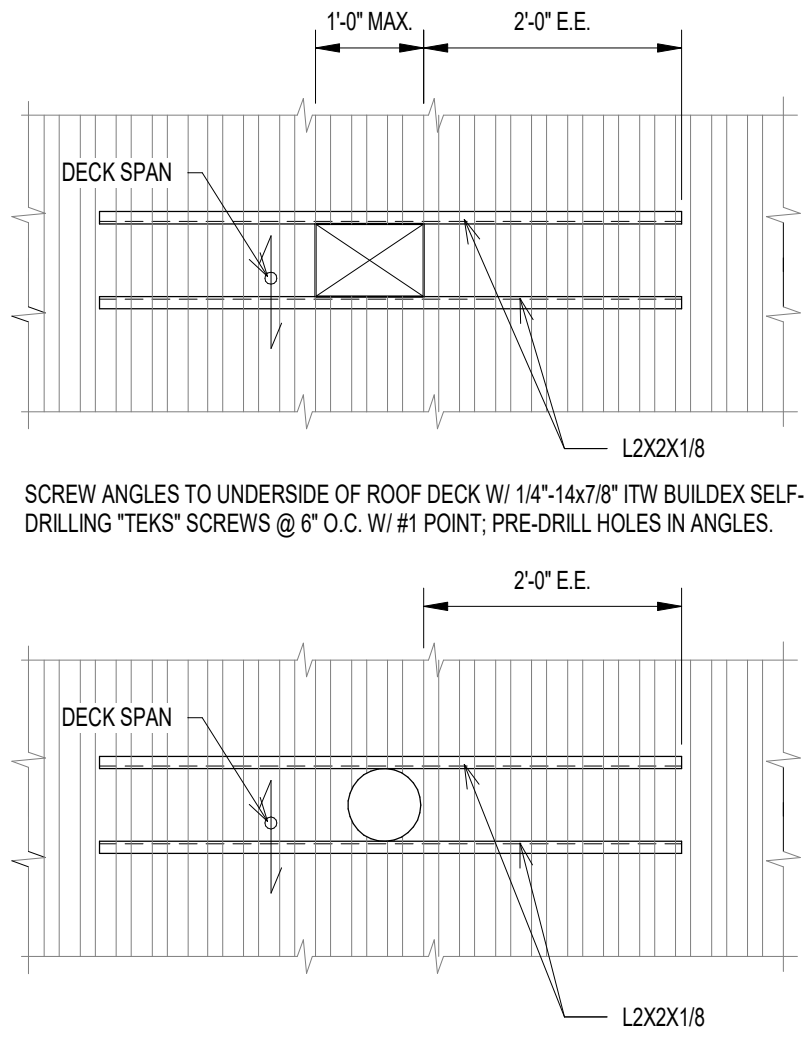
- NOTES:
1. ALL LINTELS SHALL HAVE 8" MIN. BEARING AT E.E.
 2. GROUT ALL MASONRY LINTELS SOLID.
 3. THE LOCATIONS AND DIMENSIONS OF ALL OPENINGS IN MASONRY WALLS REQUIRED BY ALL TRADES SHALL BE COORDINATED BY THE CONTRACTOR AND SHALL BE SHOWN ON A DIMENSIONED DRAWING SUBMITTED FOR REVIEW. LUNEL SHOP DRAWINGS SUBMITTED WITHOUT THE ACCOMPANYING OPENING DRAWING WILL BE REJECTED WITHOUT REVIEW.

1 MASONRY WALL LUNEL SCHEDULE
1/2" = 1'-0"

LOOSE LUNEL SCHEDULE	
0' - 4'-0"	L4x4x1/4
4'-1" - 5'-0"	L4x4x5/16
5'-7" - 7'-6"	L6x4x5/16 (LLV)
7'-7" - 10'-0"	L6x4x3/8 (LLV)

- NOTES:
1. ALL ANGLES EXPOSED TO WEATHER SHALL BE GALVANIZED.
 2. MINIMUM BEARING SHALL BE 8" EACH END.
 3. USE SCHEDULED SIZES FOR ADD. OPENINGS NOT SPECIFICALLY CALLED OUT OR NOTED ON STRUCTURAL PLANS (SEE MECHANICAL, PLUMBING, ARCHT., ETC.).

5 LOOSE LUNEL SCHEDULE
3/4" = 1'-0"



- NOTES:
1. REINFORCING ANGLES NOT REQUIRED AT OPENINGS LESS THAN 6".
 2. USE AT OPENINGS UP TO 12" WIDE. DECK SHALL BE CONTINUOUS OVER MINIMUM OF ONE ADJACENT SPAN.

4 SMALL OPENING IN METAL ROOF DECK
3/4" = 1'-0"

Date

Description

No.



TYPICAL DETAILS

RENOVATIONS TO THE
REAMSTOWN ELEMENTARY SCHOOL
COCALICO SCHOOL DISTRICT
SOUTH REAMSTOWN ROAD, EAST COCALICO TOWNSHIP, LANCASTER COUNTY, PA

JOB NO.: 2201.00
DRAWN BY: NRB
DATE: 04-14-2023