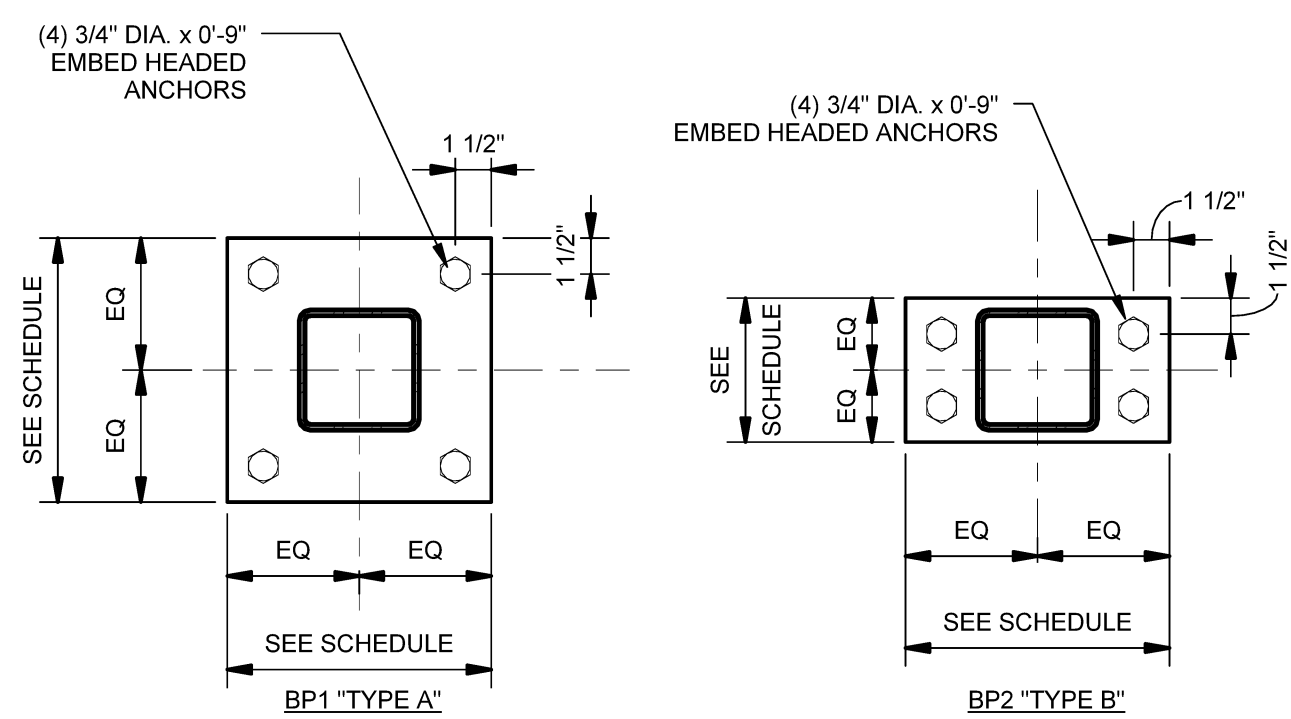
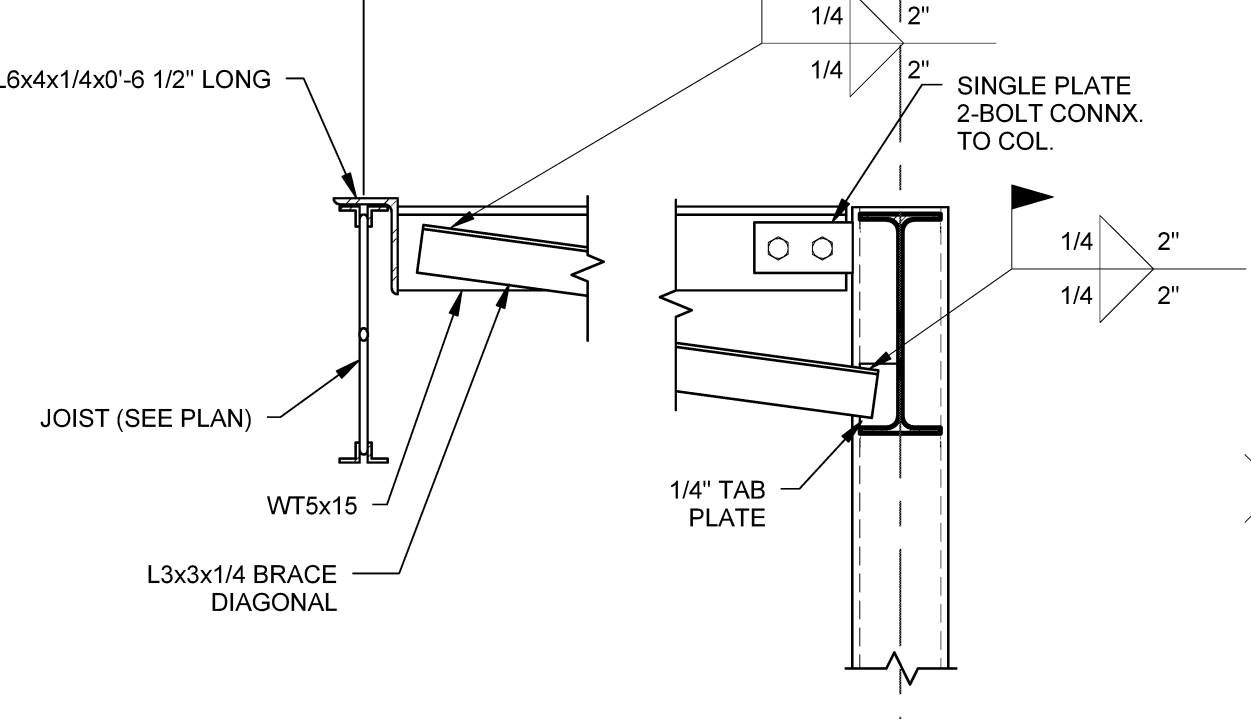


STEEL COLUMN SCHEDULE

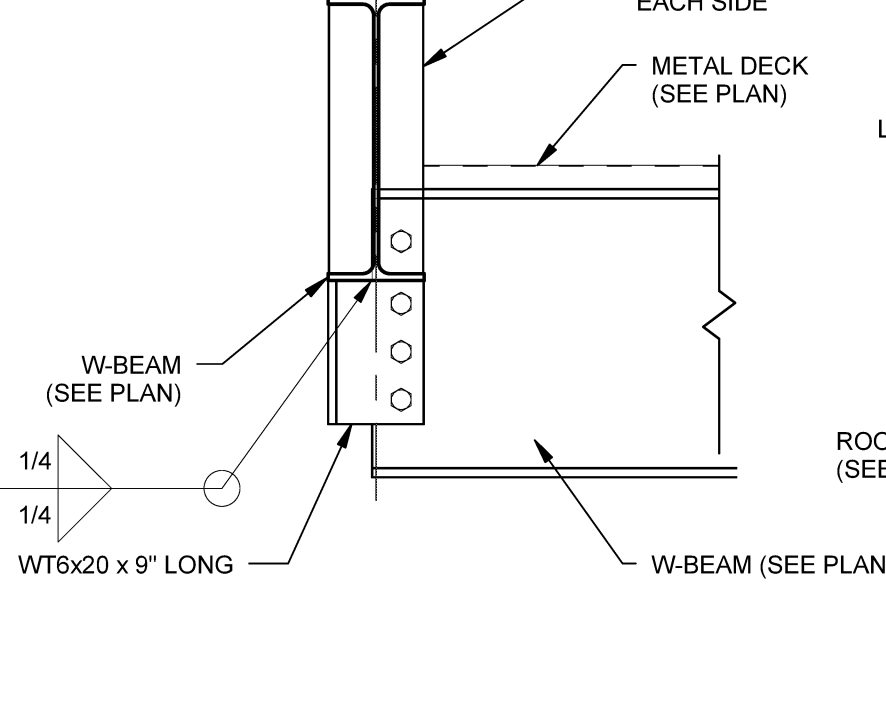
LOCATION	TYPE	BASE PLATE	SHEAR LUG
A-7	HSS4X4X1/4	BP4	-
A-9	HSS6X6X1/2	BP10	TYPE 1
A-9-B	HSS6X6X1/2	BP8	-
A-11	HSS6X6X1/2	BP8	-
A-5-11	HSS6X6X1/2	BP3	-
A-9-13	HSS6X6X1/2	BP6	-
AA-3A	HSS4X4X1/4	BP4	-
AA-4A	HSS4X4X1/4	BP4	-
AA-5A	HSS4X4X1/4	BP4	-
AA-6A	HSS4X4X1/4	BP4	-
AA-7A	HSS4X4X1/4	BP4	-
BB-1	HSS6X6X1/2	BP8	-
B-8-6	HSS6X6X1/2	BP8	-
B-10	HSS6X6X1/2	BP8	-
B-11	HSS6X6X1/2	BP3	-
B-4-7	HSS6X6X1/2	BP3	-
B-5-11	HSS6X6X1/2	BP3	-
BB-3A	HSS6X6X1/2	BP3	-
BB-5A	HSS6X6X1/2	BP3	-
BB-7A	HSS6X6X1/2	BP3	-
BB-8A	HSS6X6X1/2	BP2	-
BB-9A	HSS4X4X1/4	BP10	TYPE 1
BB-10A	HSS6X6X1/2	BP8	TYPE 1
C-7	HSS5X5X1/4	BP2	-
C-9	HSS6X6X1/2	BP7	TYPE 1
C-10	HSS6X6X1/2	BP7	TYPE 1
C-11	HSS5X5X1/4	BP2	-
C-7-2	HSS6X6X1/2	BP3	-
C-8-2	HSS6X6X1/2	BP3	-
C-9-2	HSS6X6X1/2	BP4	-
C-9-7	HSS6X6X1/2	BP3	-
CC-10A	HSS5X5X1/4	BP11	TYPE 3
D-1	HSS4X4X1/4	BP4	-
D-1-B	HSS4X4X1/4	BP10	TYPE 1
D-2	HSS6X6X1/2	BP3	-
DD-3A	HSS6X6X1/2	BP8	-
DD-5A	HSS6X6X1/2	BP7	TYPE 1
DD-7A	HSS6X6X1/2	BP8	-
E-7	HSS6X6X1/2	BP8	-
E-9	HSS5X5X1/4	BP7	TYPE 1
E-10	HSS5X5X1/4	BP7	TYPE 1
E-11	HSS4X4X1/4	BP4	-
F-0.5	HSS4X4X1/4	BP4	-
F-1	HSS6X6X1/2	BP3	-
F-2	HSS5X5X1/4	BP2	-
F-3-0.5	HSS4X4X1/4	BP4	-
G-9	HSS6X6X1/2	BP10	TYPE 1
G-9-B	HSS6X6X1/2	BP8	-
G-10-1	HSS6X6X1/2	BP7	TYPE 1
G-10-6	HSS4X4X1/4	BP1	-
G-11A	HSS6X6X1/2	BP10	TYPE 1
G-12	HSS5X5X1/4	BP10	TYPE 1
G-2-0.5	HSS4X4X1/4	BP4	-
G-5-10.6	HSS4X4X1/4	BP1	-
G-6-10.3	HSS4X4X1/4	BP4	-
H-1	HSS6X6X1/2	BP3	-
H-2	HSS6X6X1/2	BP8	-
H-8-0.5	HSS4X4X1/4	BP4	-
J-12	HSS7X7X1/2	BP12	TYPE 1
J-8-0.5	HSS4X4X1/4	BP4	-
K-3	HSS5X5X1/4	BP5	-
K-4	HSS6X6X1/2	BP8	TYPE 2
K-5	HSS6X6X1/2	BP8	-
K-6	HSS4X4X1/4	BP4	-
K-8	HSS6X6X1/2	BP8	-
L-0.5	HSS4X4X1/4	BP4	-
L-1	HSS6X6X1/2	BP10	TYPE 1
L-2	HSS5X5X1/4	BP6	-
L-1-12	HSS7X7X1/2	BP13	-
M-8	HSS6X6X1/2	BP8	-
N-12	HSS7X7X1/2	BP13	-
P-1	HSS5X5X1/4	BP5	-
P-1.6	HSS4X4X1/4	BP10	TYPE 1
P-2	HSS5X5X1/4	BP2	-
P-2.4	HSS5X5X1/4	BP5	-
P-3	HSS6X6X1/2	BP3	-
P-4	HSS6X6X1/2	BP10	TYPE 1
P-5	HSS5X5X1/4	BP2	-
Q-5	HSS4X4X1/4	BP4	-
Q-6	HSS5X5X1/4	BP2	-
Q-8	HSS6X6X1/2	BP10	TYPE 1
R-8	HSS5X5X1/4	BP5	-
R-8-2	HSS7X7X1/2	BP13	-
R-9-6	HSS7X7X1/2	BP13	-
R-10-2	HSS7X7X1/2	BP13	-
R-12	HSS7X7X1/2	BP14	-



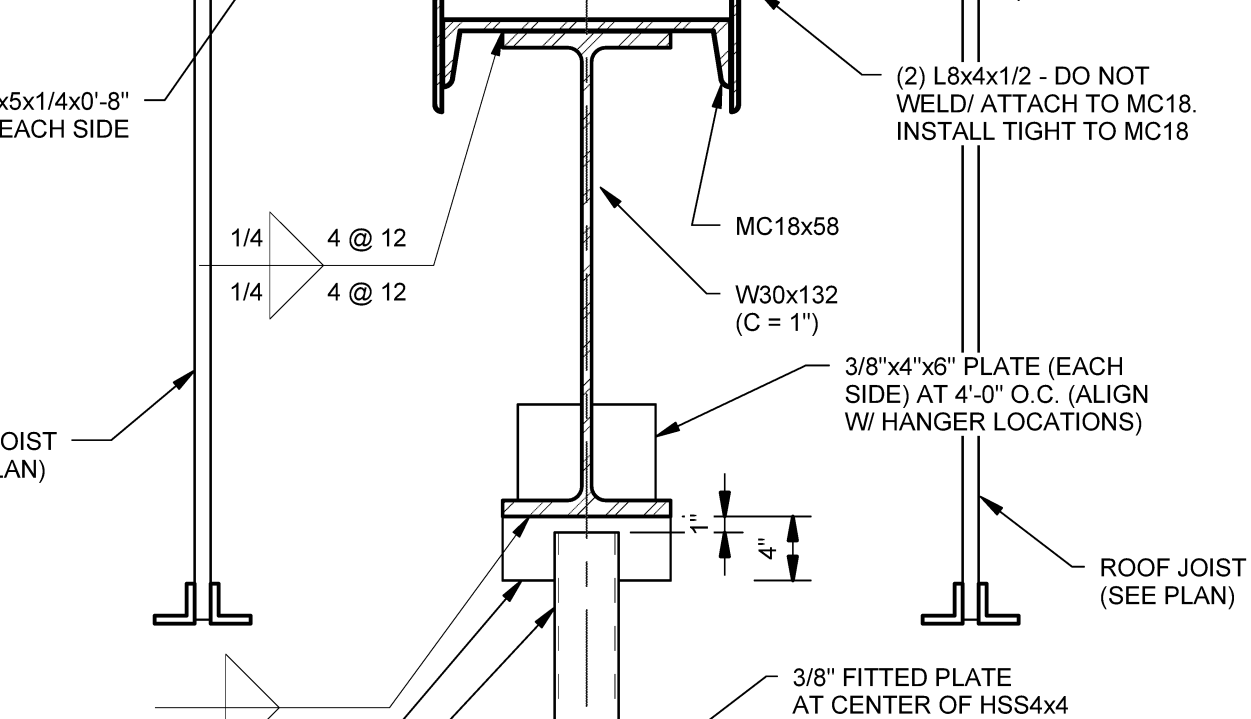
E2 BASE PLATE LAYOUT
SCALE: 1 1/2" = 1'-0"



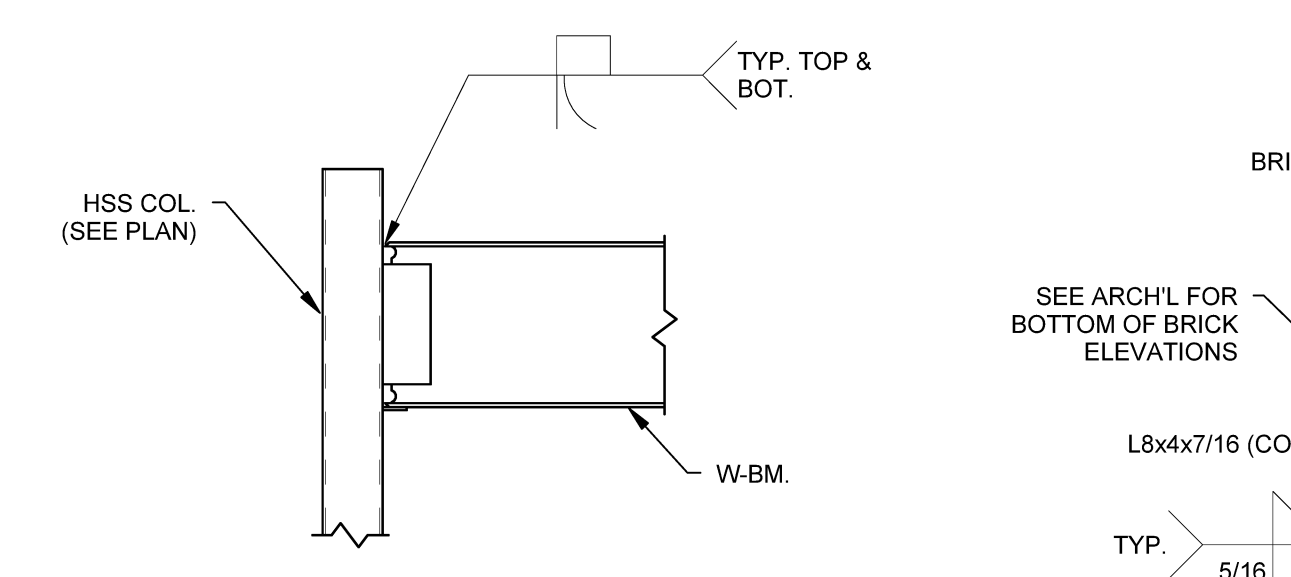
E3 SECTION
SCALE: 1" = 1'-0"



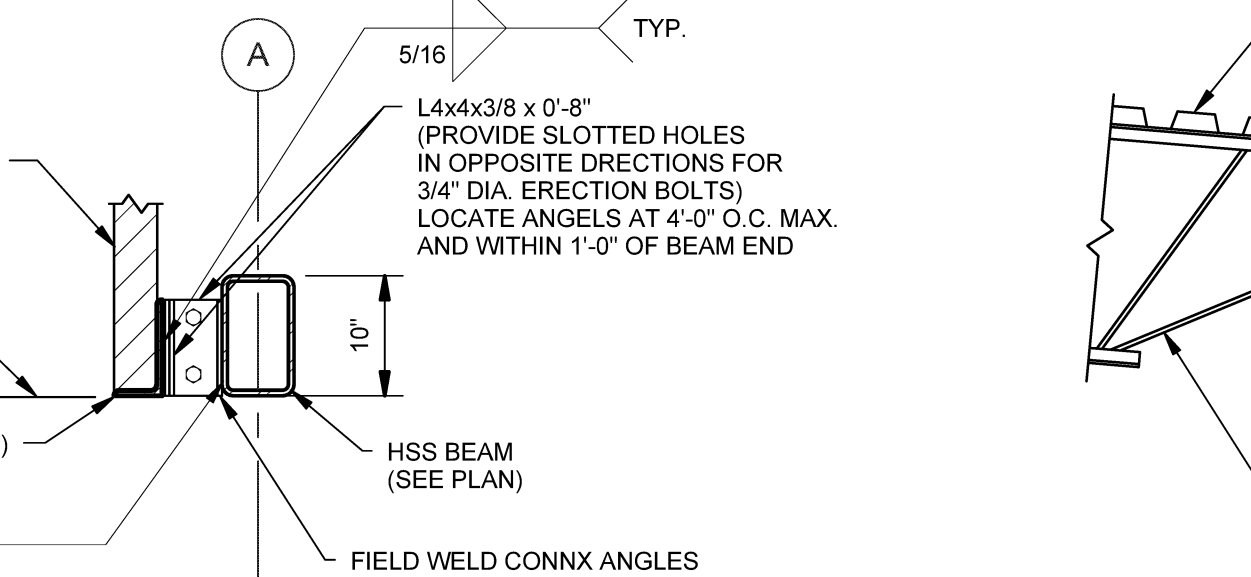
E5 SECTION
SCALE: 1" = 1'-0"



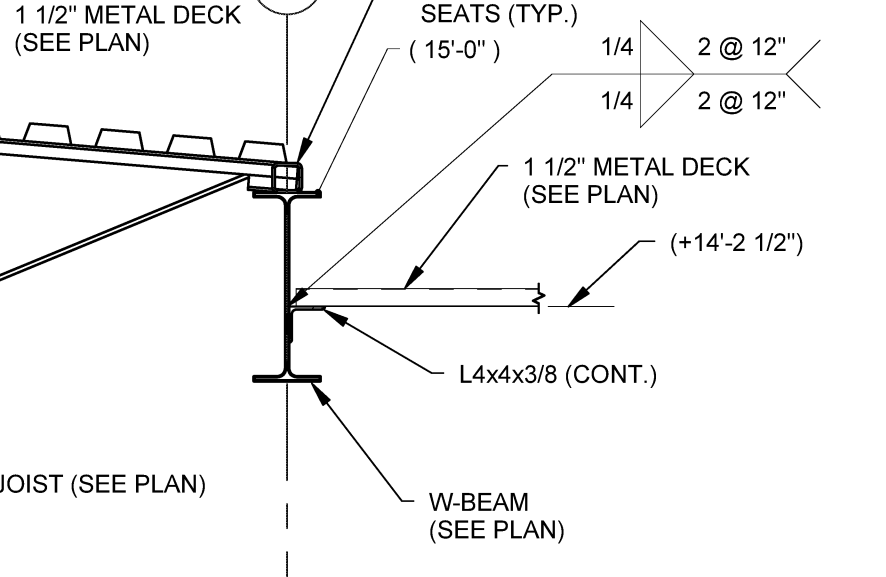
E6 SECTION AT OPERABLE PARTITION SUPPORT
SCALE: 1" = 1'-0"



D2 MOMENT CONN. DETAIL
SCALE: 3/4" = 1'-0"



D3 SECTION
SCALE: 3/4" = 1'-0"



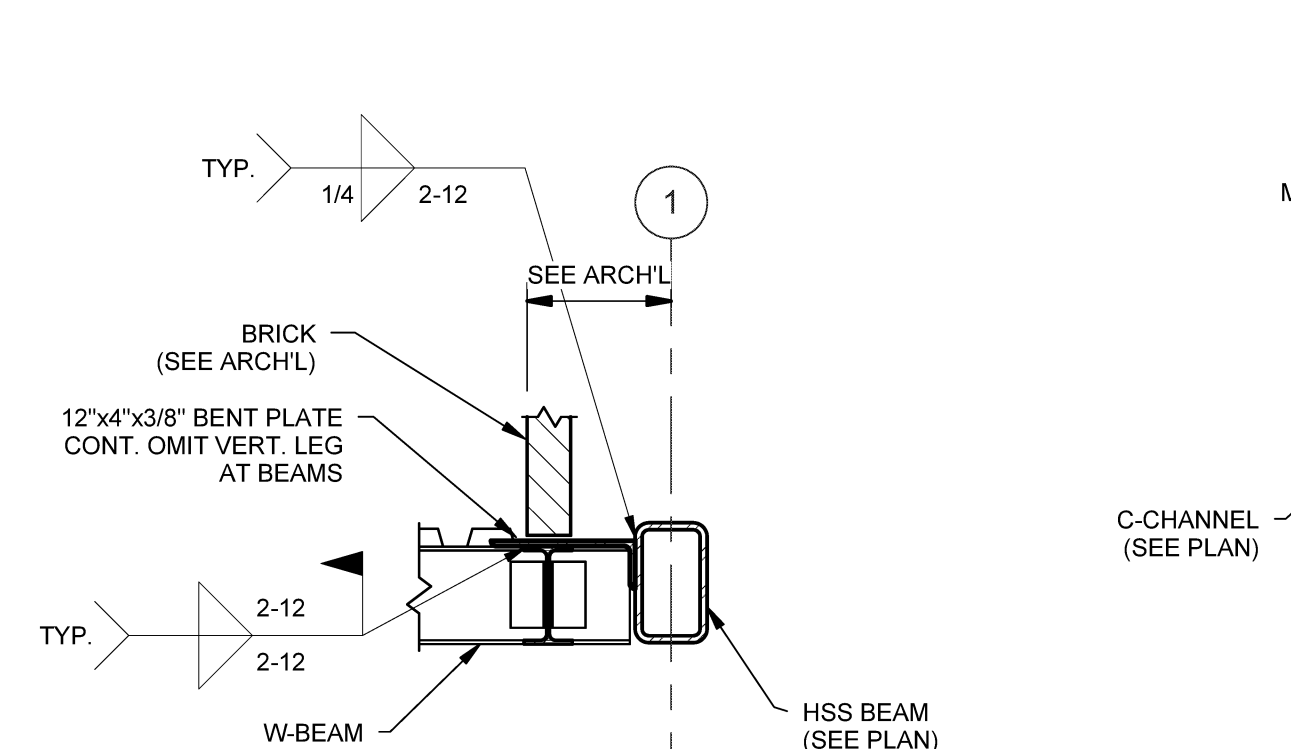
D4 SECTION
SCALE: 3/4" = 1'-0"

EXTERIOR BRICK VENEER LINTEL SCHEDULE

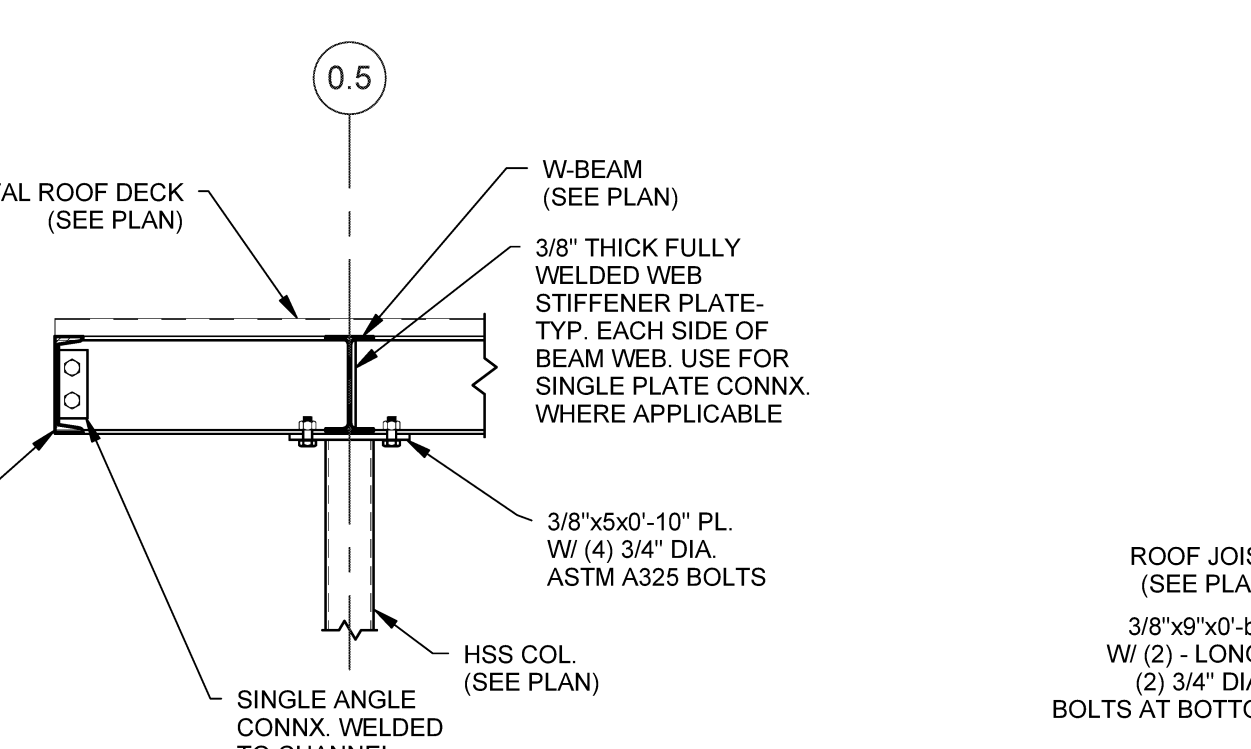
MASONRY OPENING	SIZE	BEARING
LESS THAN 11'-0"	L6x6x3/8	8" MIN.
11'-0" TO 12'-8"	BENT PLATE 8x6x3/8	8" MIN.

NOTES:
1. LINTEL FOR EXTERIOR MASONRY SHALL BE HOT-DIPPED GALVANIZED.
2. LINTEL IS SIZED FOR 4" WIDTH OF MASONRY.

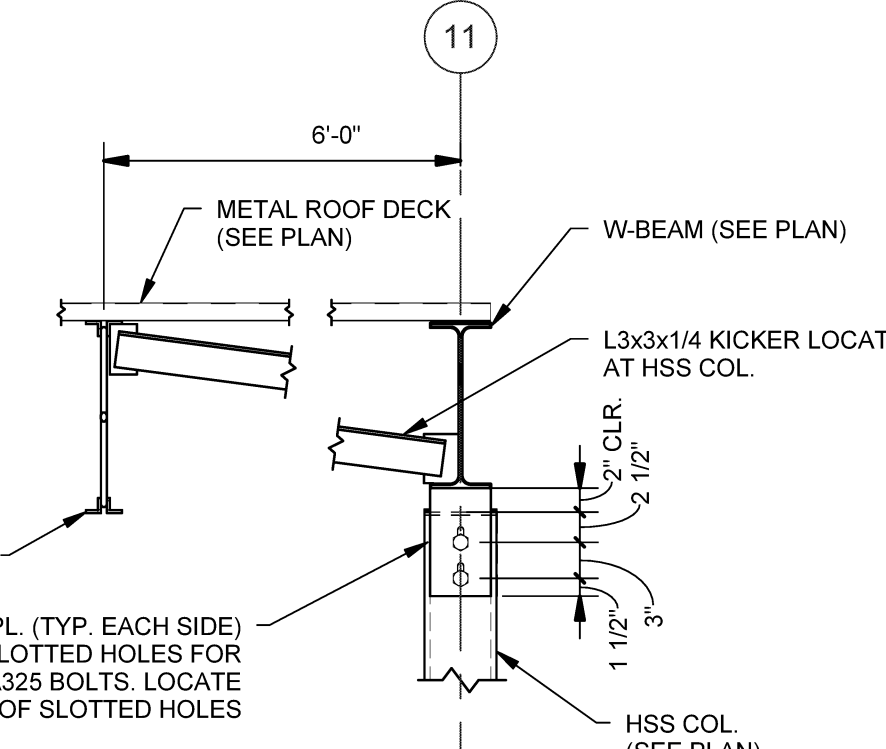
D6 TYP. STEEL LINTEL SCHEDULE
SCALE: 3/4" = 1'-0"



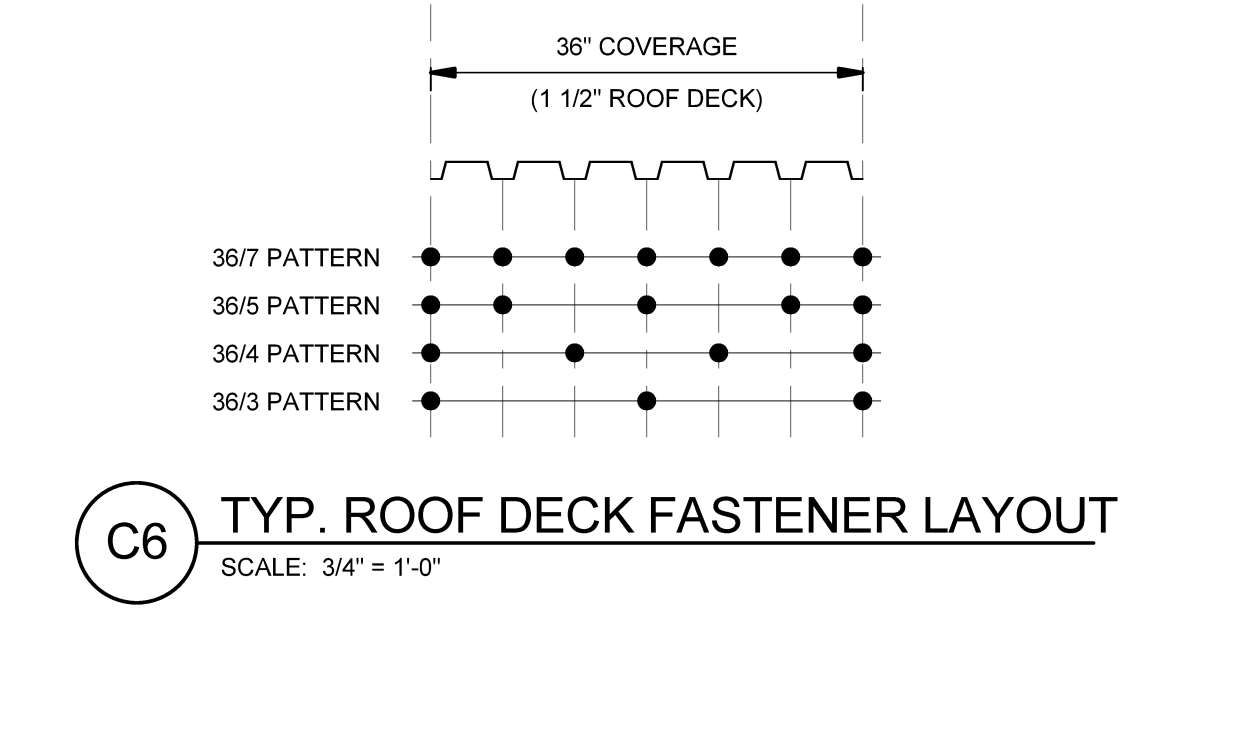
C2 SECTION
SCALE: 3/4" = 1'-0"



C3 SECTION
SCALE: 3/4" = 1'-0"



C4 SECTION
SCALE: 3/4" = 1'-0"



C6 TYP. ROOF DECK FASTENER LAYOUT
SCALE: 3/4" = 1'-0"

- STRUCTURAL STEEL**
- STRUCTURAL STEEL SHALL BE ASTM A992, BR. 50 (FY=50 KSI), EXCEPT STRUCTURAL TUBING TO BE FY=46 KSI, UNLESS NOTED OTHERWISE.
 - FABRICATION SHALL NOT BEGIN UNTIL SHOP DRAWINGS HAVE BEEN APPROVED.
 - CONNECTIONS SHALL BE DESIGNED BY THE STEEL FABRICATOR.
 - BASE PLATES AND BEARING PLATES SHALL BE GROUDED WITH NON-SHRINK GROUT AND AT PROPER GRADE, BEFORE PLACING STEEL.
 - CONTRACTOR SHALL APPLY TWO BRUSH COATS OF ASPHALT TO CHURNS AND BASE PLATES EXPOSED TO FILL AFTER COLUMN IS IN PLACE.
 - STEEL BEAMS ENCASED IN CONCRETE SHALL RECEIVE CLIPS OR BE WRAPPED WITH WIRE MESH, UNLESS NOTED OTHERWISE.
 - STEEL BEAMS TO RECEIVE WOOD NAULERS SHALL HAVE BOLT HOLES DRILLED FOR 1/2" DIA. BOLTS AT 2'-6" O.C. STAGGERED.
 - VERIFY WITH MECHANICAL DRAWINGS FOR LOCATION OF DUCTS, PIPING, ETC. THROUGH FLOOR AND ROOF CONSTRUCTION BEFORE SPACING JOISTS.
 - ALL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED IN STRUCTURAL DRAWINGS TO BE DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER HIRED BY THE STEEL FABRICATOR. THE COMPLETE CONNECTION DESIGN PACKAGE WITH ALL SUPPORTING CALCULATIONS SHALL BE STAMPED BY THE PROFESSIONAL ENGINEER AND FORWARDED TO HARRIMAN PRIOR TO OR WITH THE STRUCTURAL STEEL SHOP DRAWINGS FOR REVIEW AND APPROVAL. SHOP DRAWINGS WILL NOT BE REVIEWED WITHOUT ALL SUPPORTING CONNECTION CALCULATIONS PROVIDED.

- STEEL DECK**
- ROOF DECK SHALL BE 1 1/2" - 22 GAUGE & 1 1/2" - 18 GAUGE, TYPE B (PAINTED) FASTENING PATTERN.
 - DECK ATTACHMENT - 5/8" DIA. RUDDLE WELDS OR APPROVED MECHANICAL FASTENERS.
- PATTERN - 367**
SIDELAPS - #10 TEK SCREWS AT 12" O.C. MAX.

- MISCELLANEOUS**
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE PROCEEDING WITH THE WORK.
 - CONTRACTOR SHALL REPORT ANY VARIATIONS FOUND AT THE SITE BEFORE PROCEEDING WITH THAT PART OF THE WORK.

DESIGN INFORMATION
DESIGN CODE = 2009 IBC AND ASCE 7-05

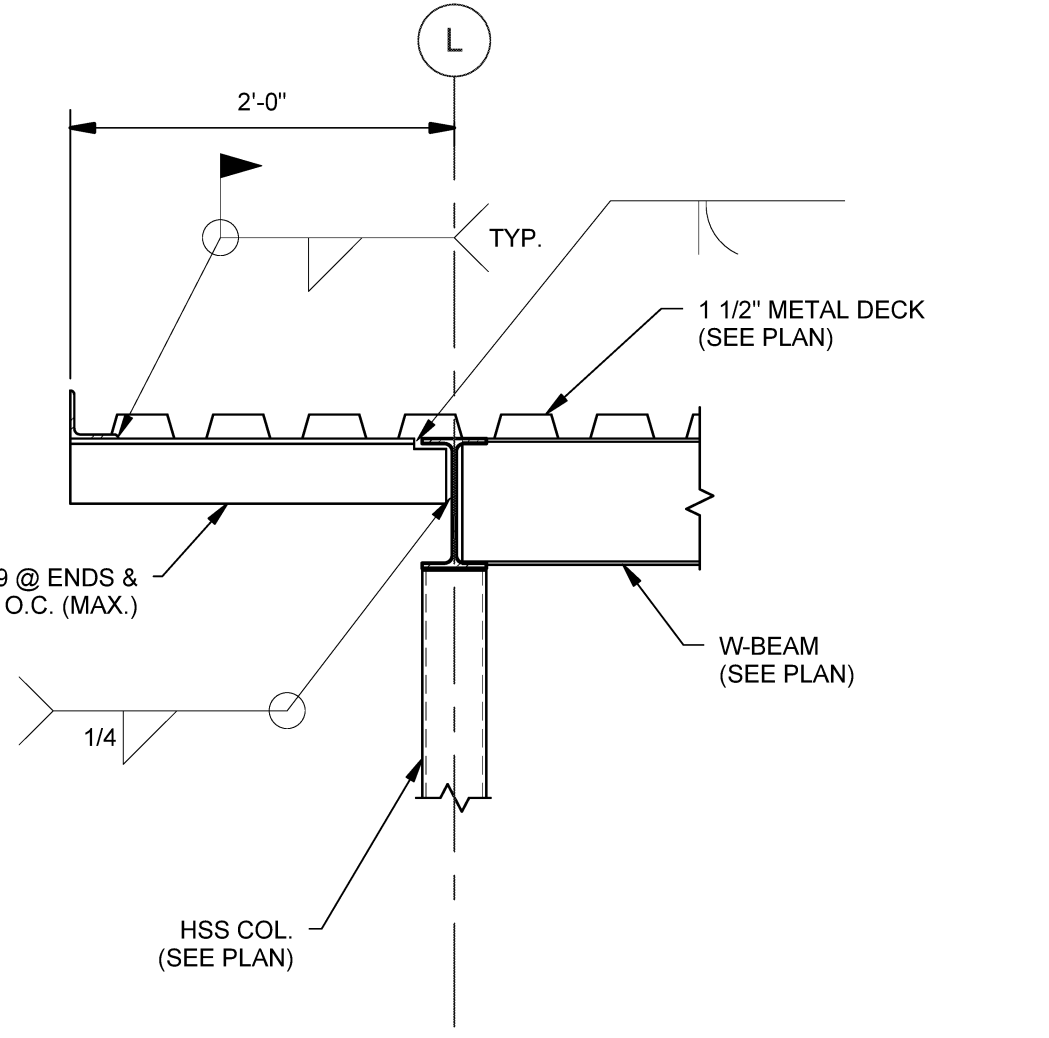
LIVE LOADS:
CLASSROOMS = 40 PSF
ASSEMBLY/ OFFICES = 65 PSF
MEETING ROOMS/ LOUNGES = 100 PSF
TOILET ROOMS = 60 PSF
LOBBIES, STAIRS AND EXITS = 60 PSF
MECHANICAL ROOMS = 200 PSF
LIGHT STORAGE = 125 PSF

SNOW LOAD:
Pg = 60 PSF
Cs = 1.0
Ct = 1.0
Is = 1.1
Pf = 47 PSF

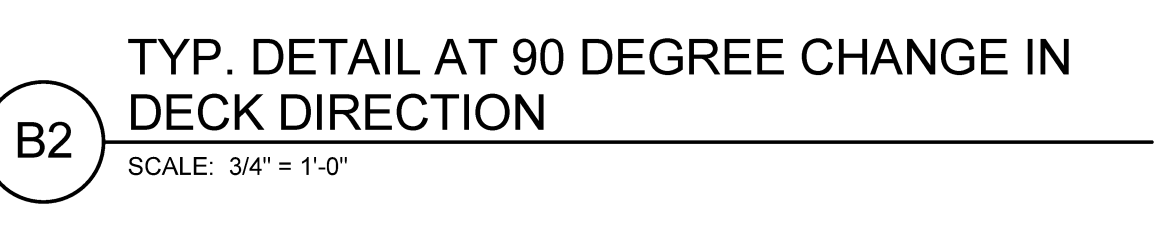
WIND LOAD:
BASIC WIND SPEED (V) = 100 MPH (3 SEC GUST)
Iw = 1.15 (CATEGORY III)
EXPOSURE CATEGORY = C
INT. PRESSURE COEF. (Gcpi) = +/- 0.18

SEISMIC LOAD:
SEISMIC OCCUPANCY CATEGORY III
SITE CLASS = D
Sa = 0.241; S1 = 0.078
Sds = 0.257; Sd1 = 0.125
SEISMIC DESIGN CATEGORY = C
S.F.R. SYSTEM = ORDINARY CONCENTRIC BRACED FRAMES
ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE
R = 3.0
BASE SHEAR (V) = 0.141W

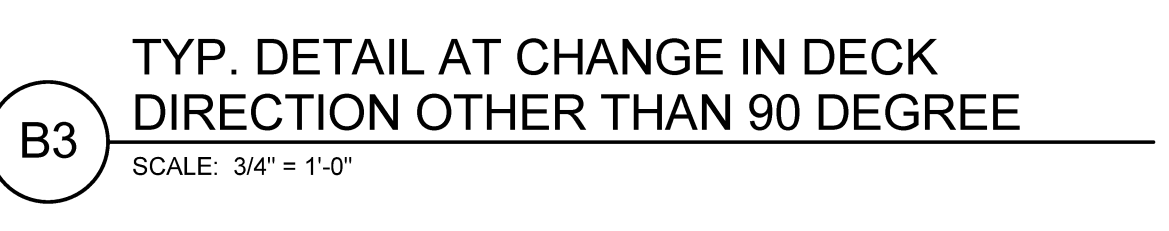
- NOTES:**
- PROVIDE AT ALL OPENINGS LARGER THAN 12".
 - FOR OPENINGS UP TO 6" - NO REINFORCING REQUIRED.
 - FOR OPENINGS FROM 6" TO 12" - USE 24"x24" 16 GA. COVER PLATE SCREWED TO DECK WITH #10 TEK SCREWS AT 8" O.C. (MAX.) ALL AROUND.
 - ALL FRAME CONNECTIONS TO BE WELDED.
 - COORDINATE SIZE AND LOCATION OF ALL OPENINGS WITH M.E. AND P TRADES.



B1 SECTION
SCALE: 1" = 1'-0"



B2 TYP. DETAIL AT 90 DEGREE CHANGE IN DECK DIRECTION
SCALE: 3/4" = 1'-0"



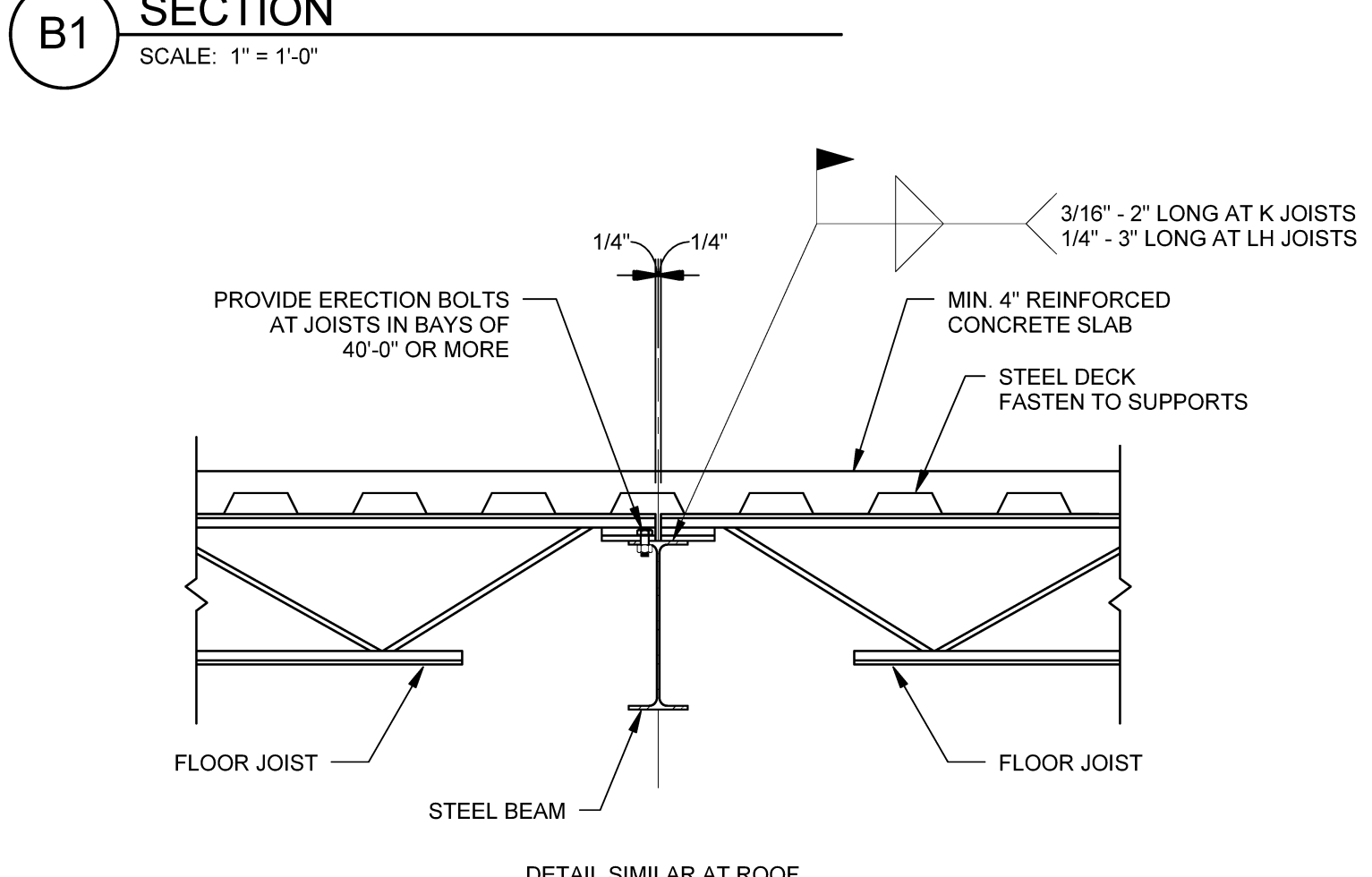
B3 TYP. DETAIL AT CHANGE IN DECK DIRECTION OTHER THAN 90 DEGREE
SCALE: 3/4" = 1'-0"



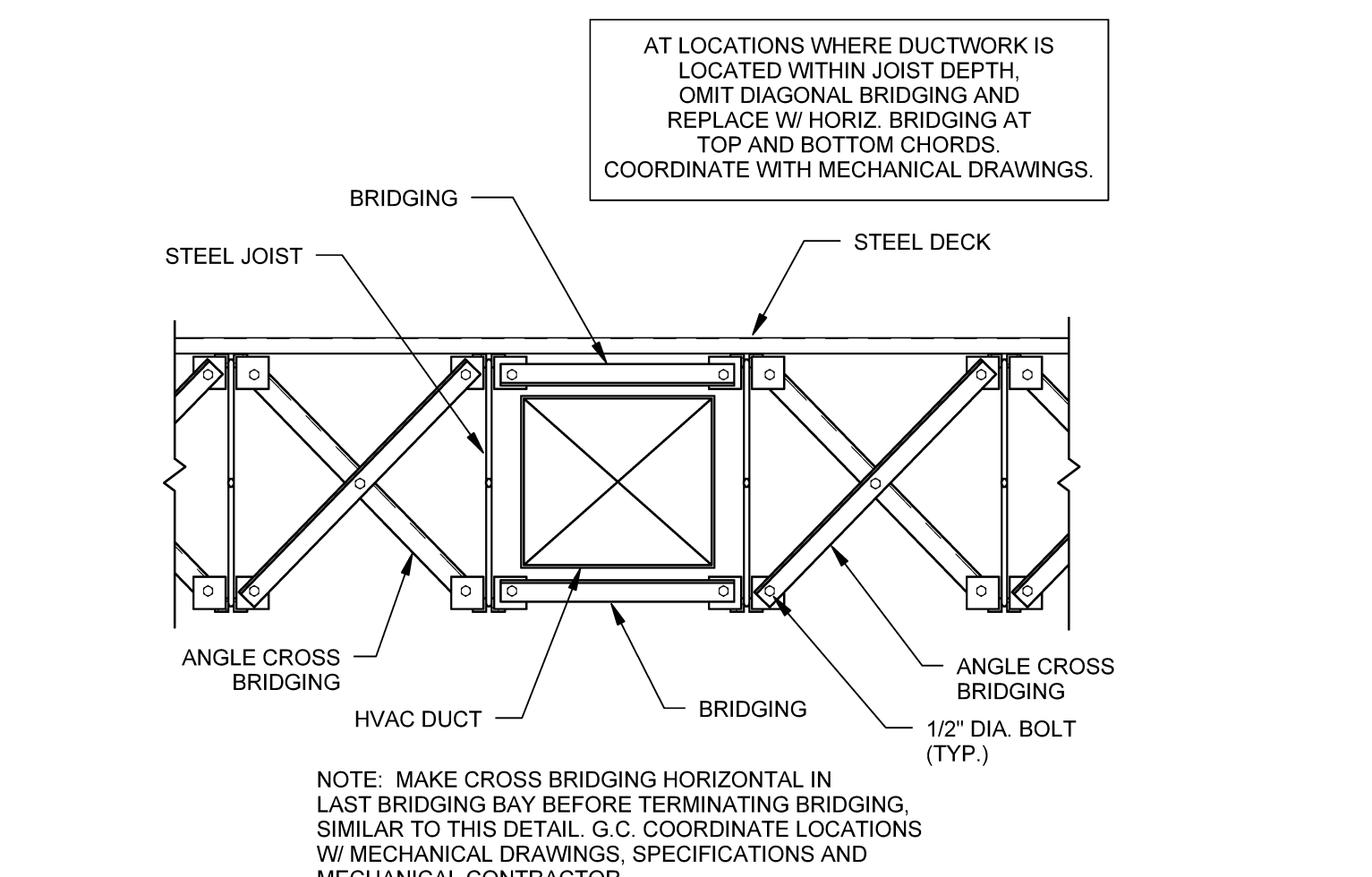
B4 TYP. JOIST REINFORCING
SCALE: 3/4" = 1'-0"



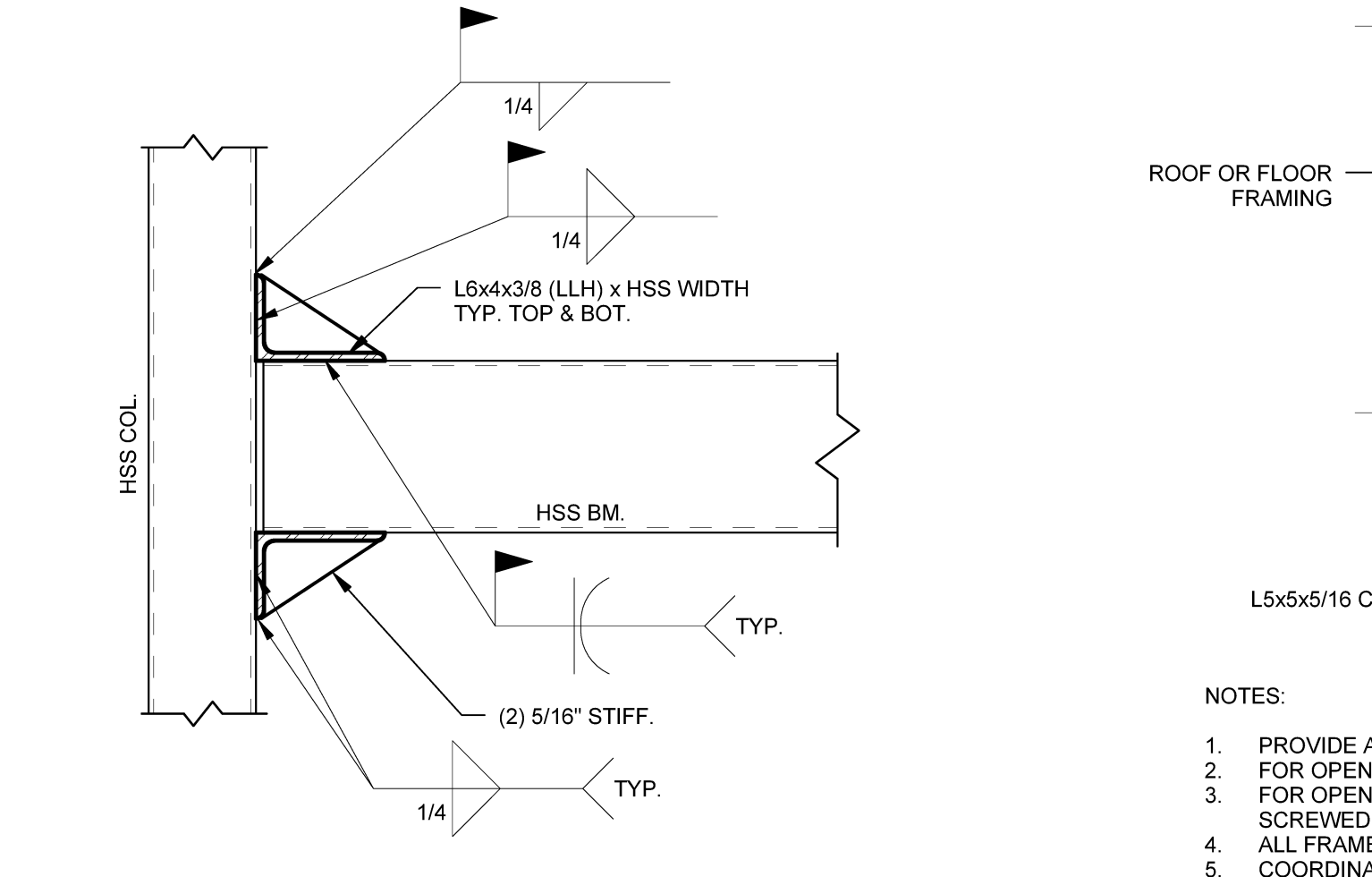
B5 TYP. STEEL TIE JOIST DETAIL
SCALE: 3/4" = 1'-0"



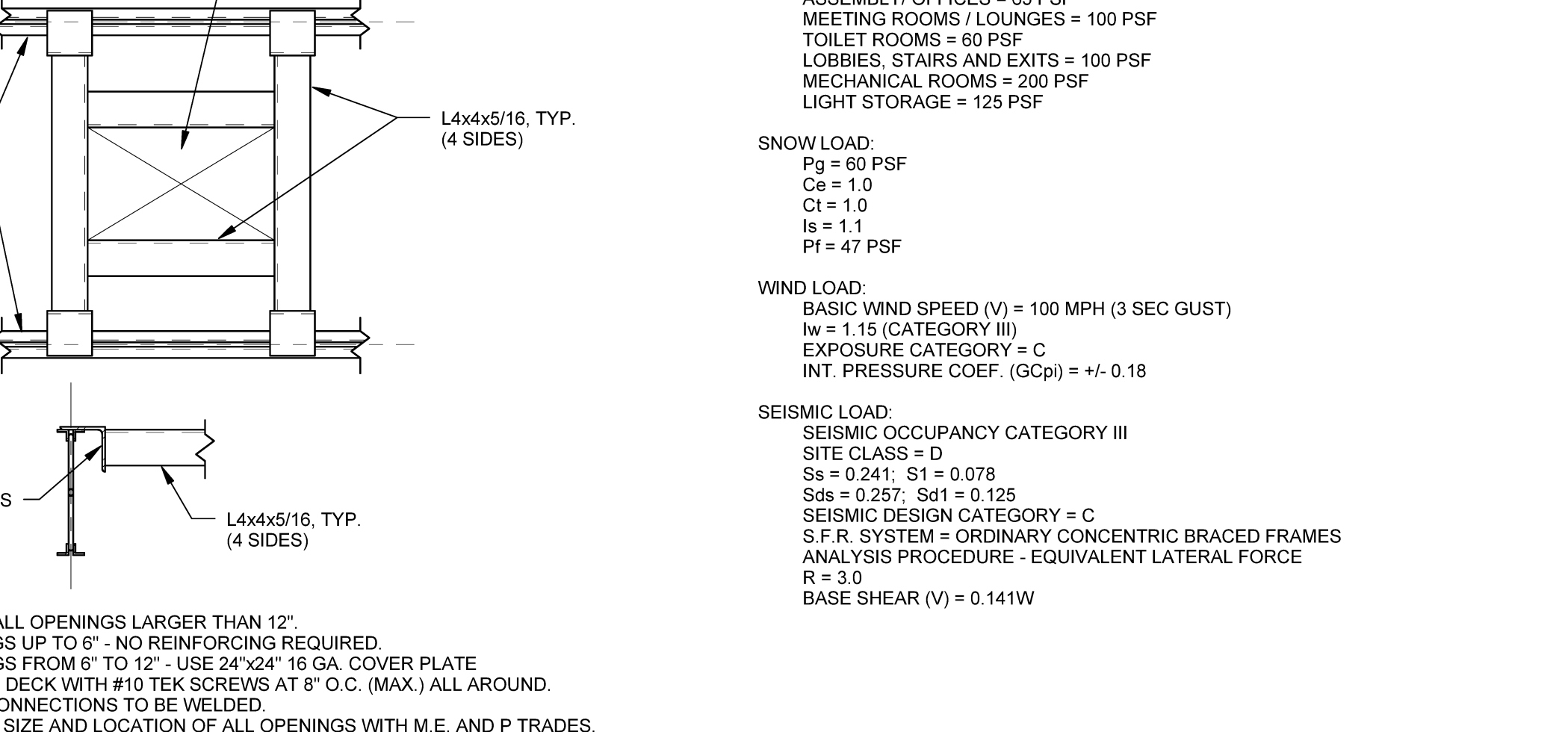
A1 TYP. FLOOR JOIST BEARING ON STEEL BEAM
SCALE: 3/4" = 1'-0"



A2 TYP. JOIST BRIDGING AT HVAC DUCT
SCALE: 3/4" = 1'-0"

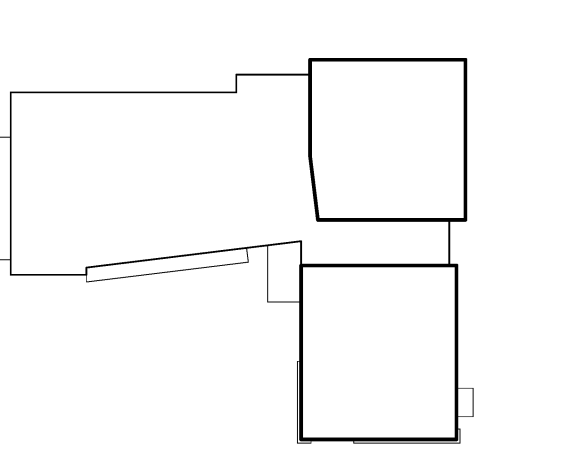


A3 TYP. HSS GIRT TO COL. DETAIL
SCALE: 1 1/2" = 1'-0"



A5 TYP. FRAME AT ROOF OR FLOOR OPENING
SCALE: 3/4" = 1'-0"

A6 GENERAL FRAMING NOTES
NO SCALE



Issues and Revisions

Mark	Date	Description
-	09-04-15	DESIGN DEVELOPMENT REVIEW
-	03-25-16	CONSTRUCTION DOCUMENTS

