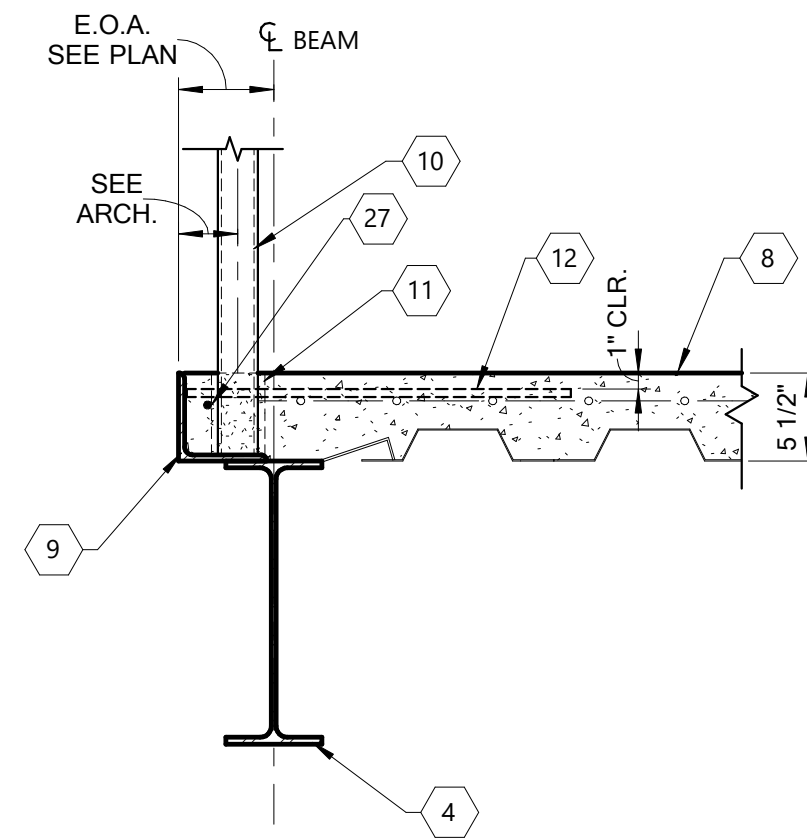
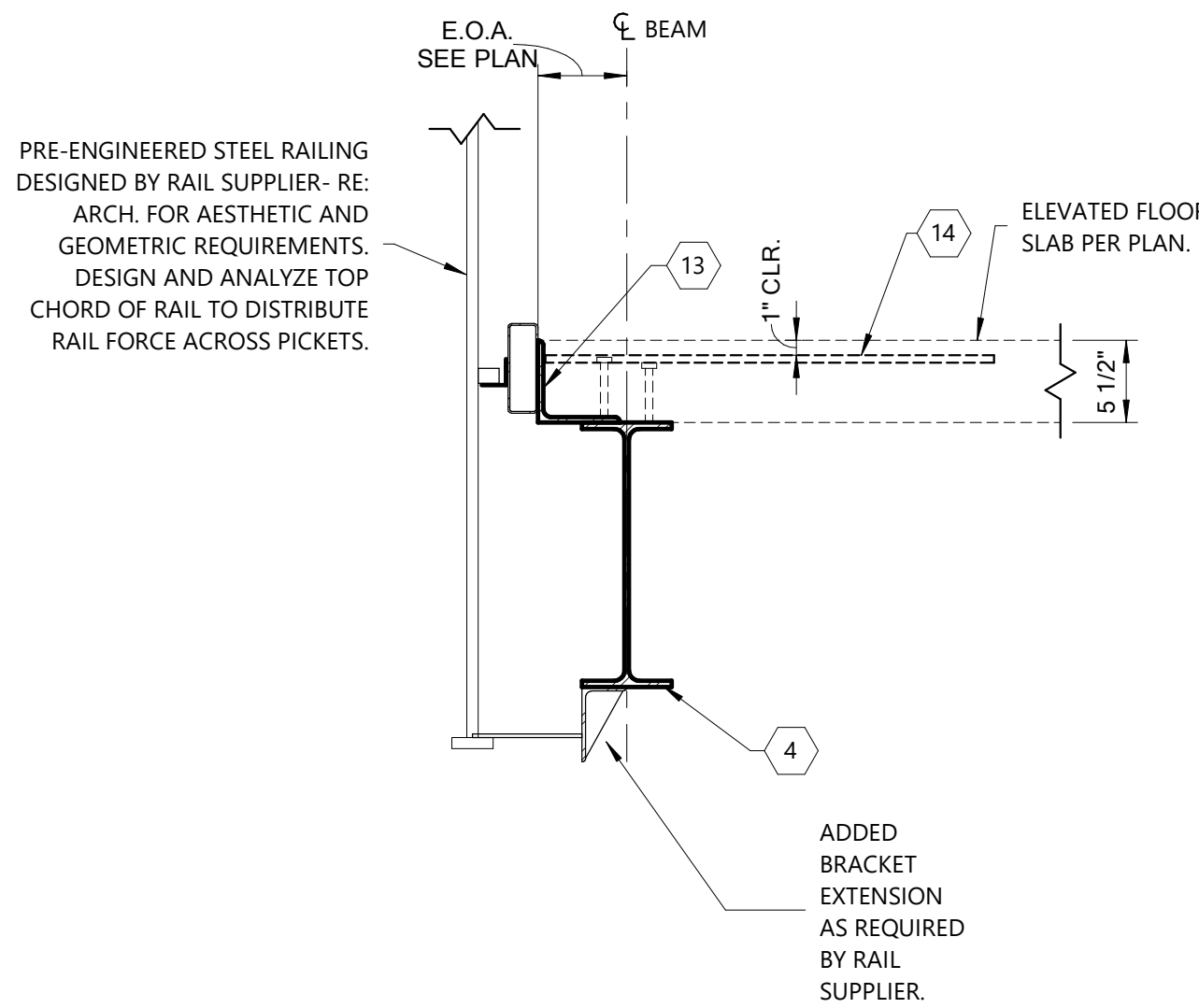


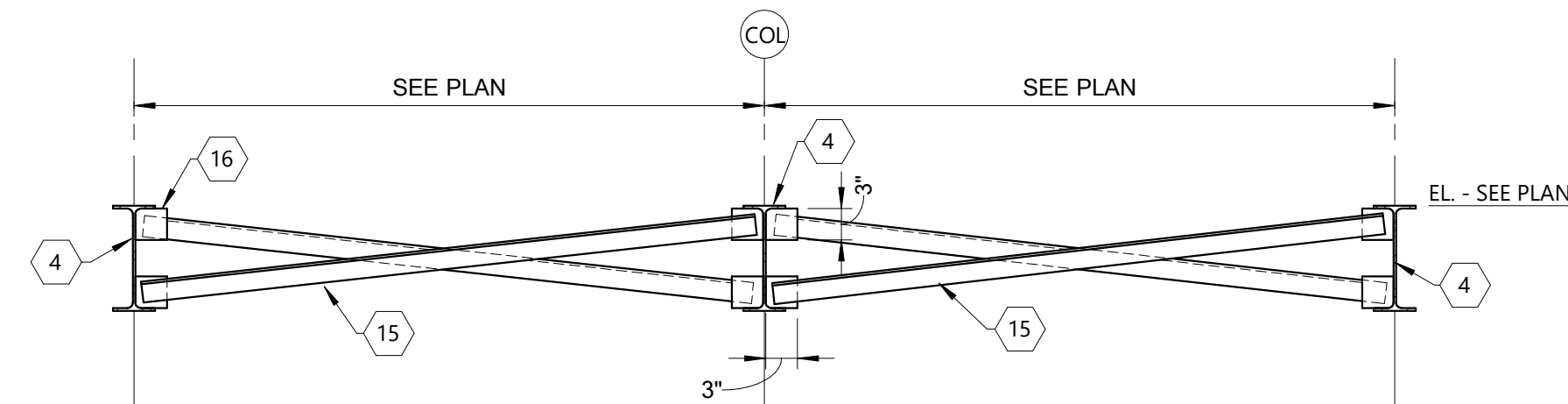
**1** Section At 3rd Floor Slab Transition  
1" = 1'-0"



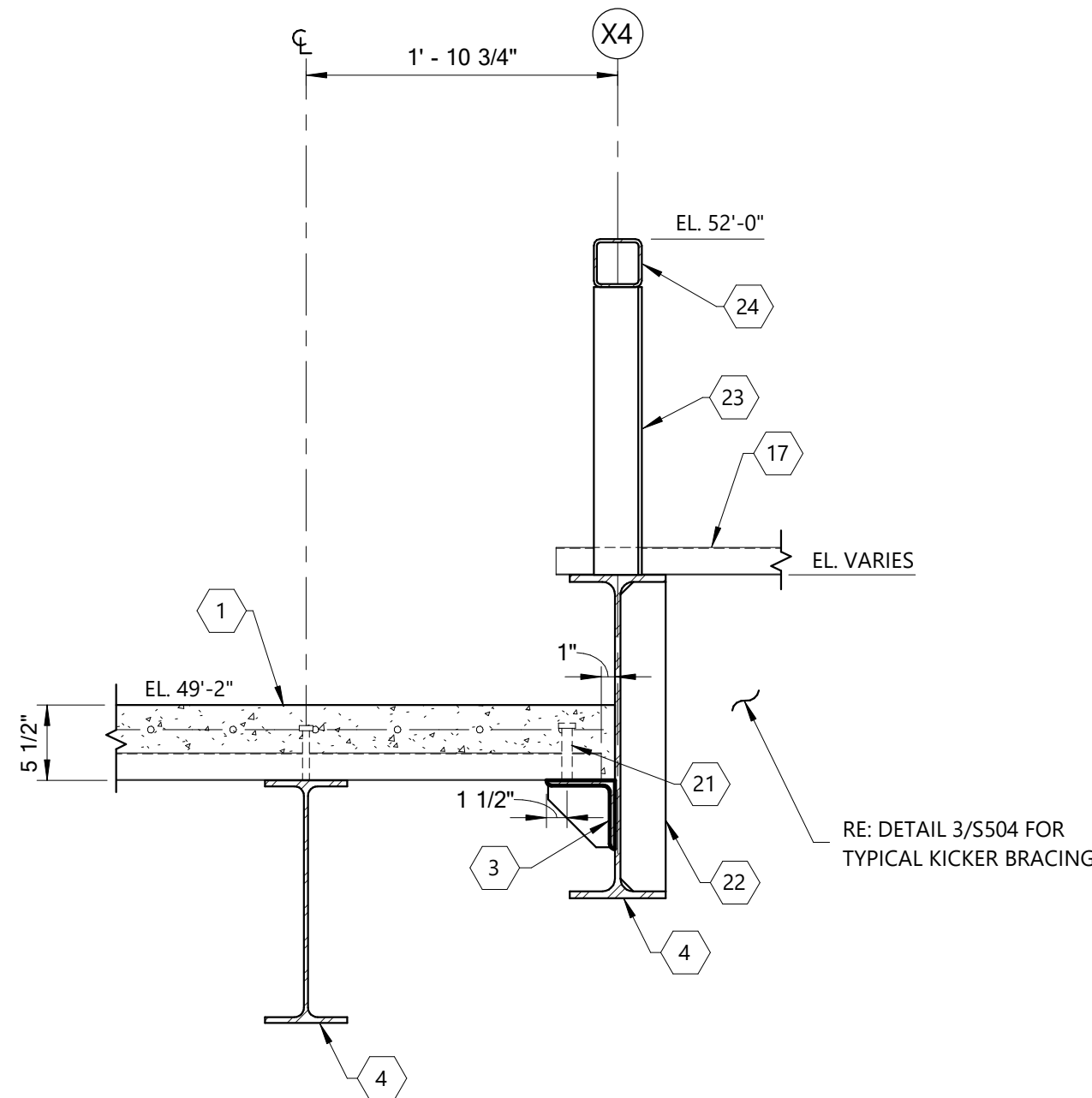
**2** Edge At Egress Stair Handrail  
1" = 1'-0"



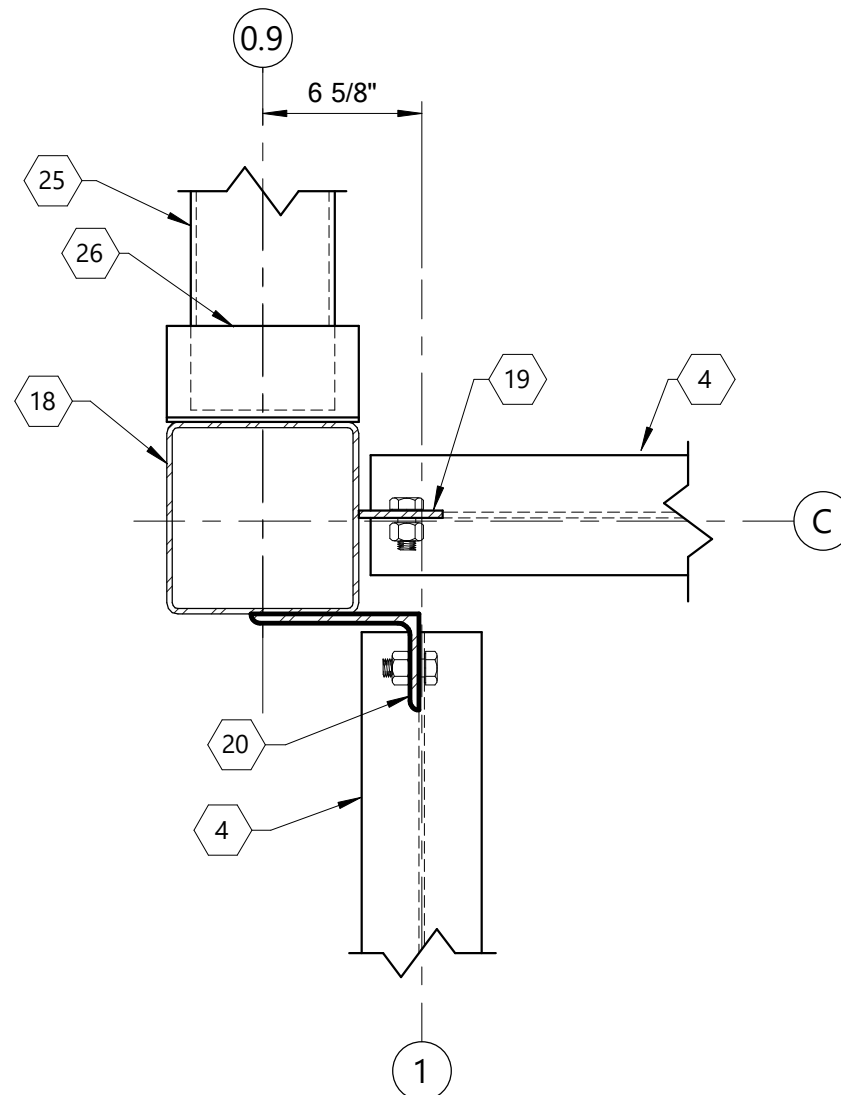
**3** Floor Edge At Atrium Handrail  
1" = 1'-0"



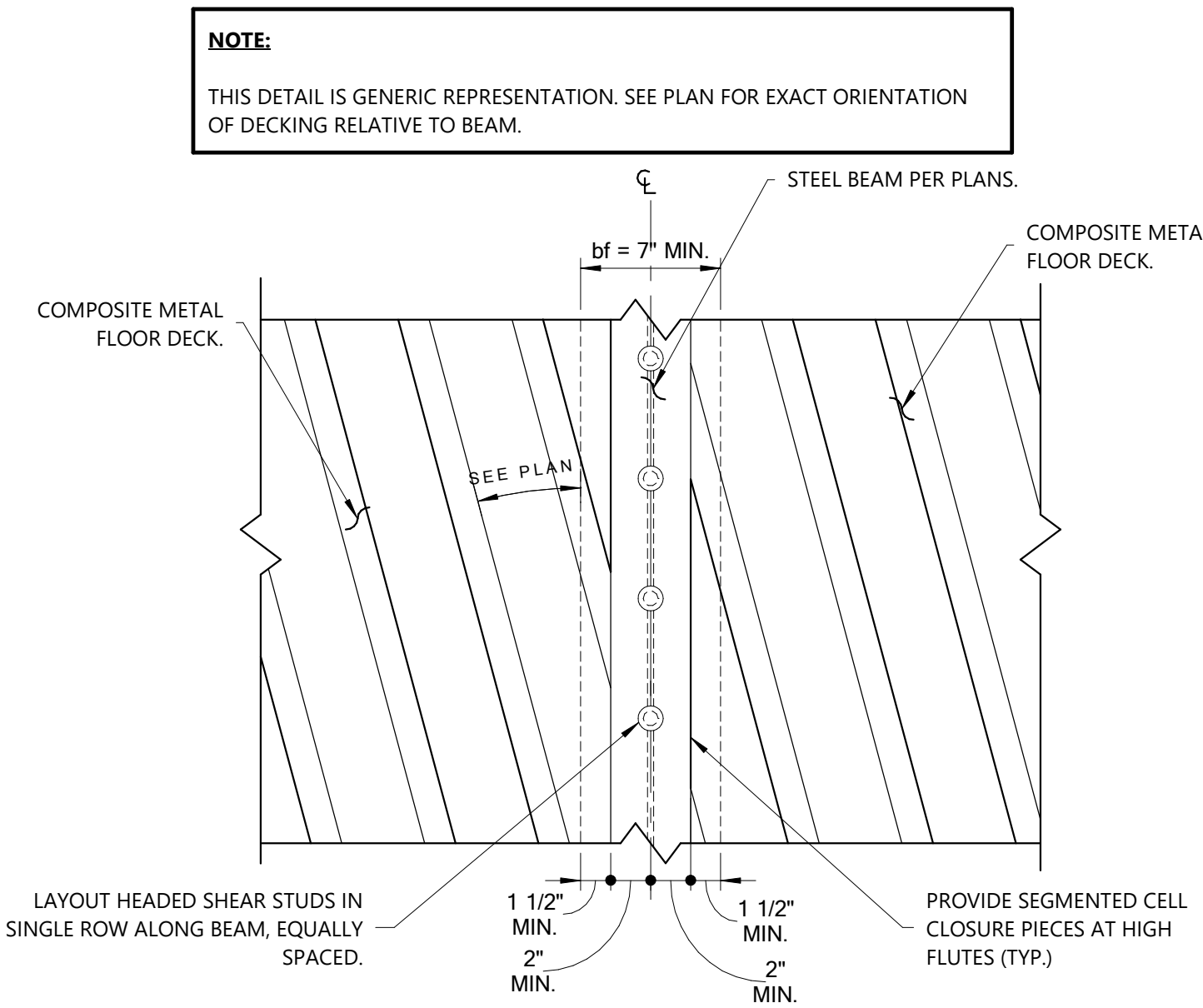
**4** X-Bridging At Steel Beams  
3/4" = 1'-0"



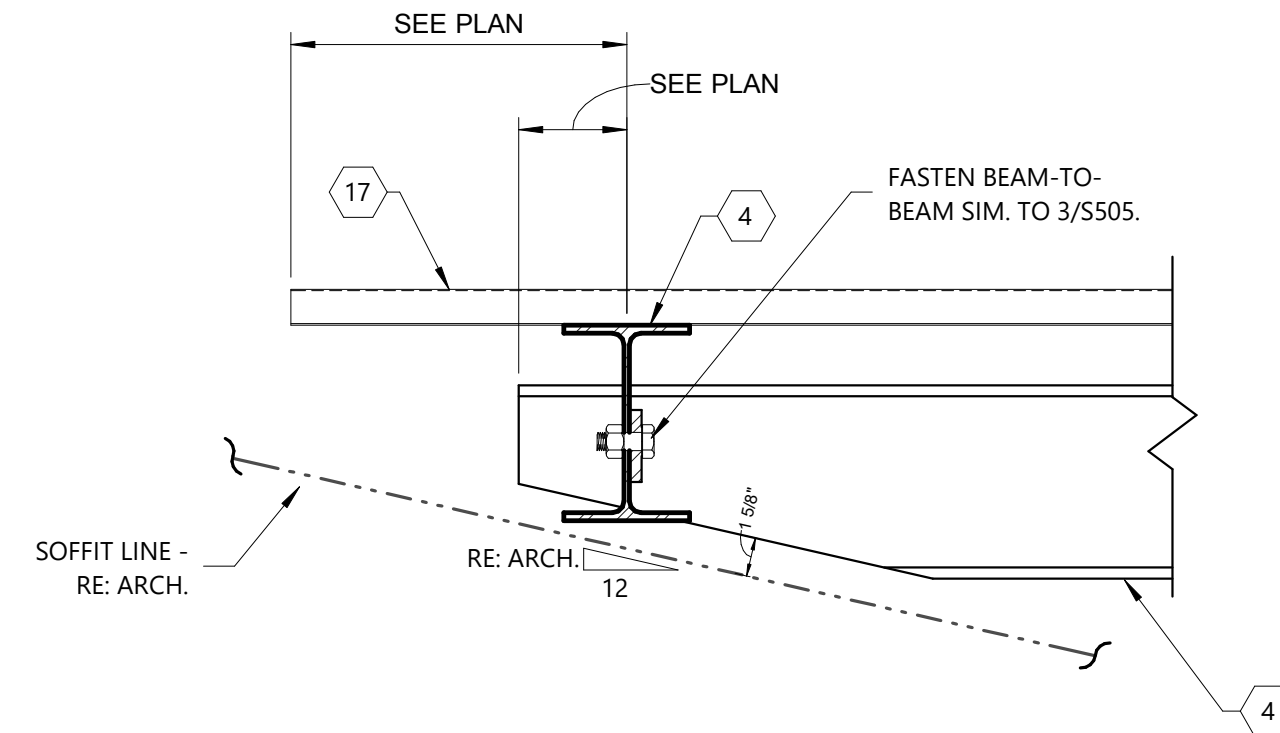
**5** 4th Floor Transition Detail  
1" = 1'-0"



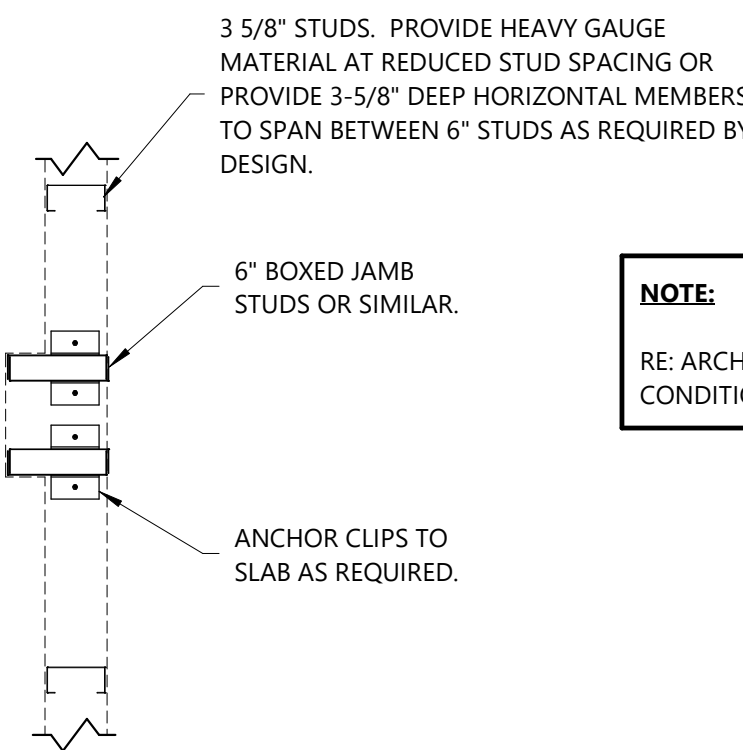
**6** Offset Beam To HSS Column Connection  
1 1/2" = 1'-0"



**7** Deck At Skewed Floor Girder  
1 1/2" = 1'-0"



**8** Tapered Roof Edge Detail  
1 1/2" = 1'-0"



**9** Typical CFMF At 2nd/3rd Floor  
1" = 1'-0"

## Keynote Legend

- 5 1/2" LIGHTWEIGHT CONCRETE ON 2VL1 18 GAGE METAL DECK. REINFORCE WITH WWF 4x4 W4.0/W4.0 CENTERED IN SLAB.
- 3/4" DIA. x 8" LONG HEADED STUD AT 12" O.C. WELD TO BEAM WITH 1/4" FILLET WELD ALL AROUND.
- CONTINUOUS ANGLE L5x5x3/8 WITH 1/4" STIFFENER PLATE AT 24" O.C. SHOP WELD TO BEAM WITH 4" OF 1/4" FILLET WELD AT 12" O.C. TOP AND BOTTOM SIDE. STOP ANGLE AT INCOMING BEAMS.
- STEEL BEAM - SEE PLAN FOR SIZE.
- (3)-#4 CONT.
- #4 Z-BAR WITH 12" LONG HORIZ. LEGS AT 12" O.C. MAX.
- #4 AT 12" O.C. EACH WAY CENTERED IN CONCRETE.
- LIGHT WEIGHT CONCRETE FLOOR SLAB OVER METAL DECK. SEE PLAN FOR MORE INFORMATION.
- 5/16" THICK MINIMUM FLOOR EDGE.
- PRE-ENGINEERED RAIL POST DESIGNED PER IBC 2021. RE ARCH. FOR MORE INFORMATION.
- CORE DRILL AND GROUT FILL AS REQUIRED.
- #4 x 2'-0" LONG ASTM A706 WELDABLE REBARS AT 12" O.C. WELD ALL AROUND TO FLOOR EDGE WITH 5/16" FILLET WELD. LOCATE BARS AS REQUIRED TO AVOID CONFLICTS WITH POSTS.
- CONT. STEEL EDGE (STRAIGHT OR CURVED) PER 2/S501.
- #4 x 2'-6" LONG ASTM A706 WELDABLE REBARS AT 6" O.C. ALONG RAIL EDGE. WELD TO EDGE ANGLE ALL AROUND WITH 5/16" FILLET WELD. TIE WWF TO UNDERSIDE OF EACH REBAR.
- L2x2x1/4 X-BRACING. FIELD WELD (3) SIDES OF BRACE TO PLATE AT EACH END. SEE PLANS FOR BRACING LOCATIONS.
- 3/8" PLATE AT FLANGES - WELD ALL AROUND.
- GALVANIZED METAL ROOF DECK. RE: PLANS AND DECK FASTENER TABLE FOR INFORMATION.
- STEEL COLUMN - SEE PLAN FOR SIZE.
- STANDARD SINGLE PLATE BEAM CONNECTION. RE: TYPICAL BEAM TO HSS COLUMN CONNECTION SCHEDULE AND DETAIL.
- L7x4x3/8 (LH) x 9" LONG (WITH (3)-3/4" DIA. A325 BOLTS SIM. TO TYPICAL BEAM TO HSS COLUMN CONNECTION SCHEDULE AND DETAIL. WELD ANGLE ALL AROUND TO COLUMN WITH 1/4" FILLET WELD AND FLARE BEVEL GROOVE WELD.
- 3/4" DIA. x 4" LONG HEADED STUDS AT 12" O.C.
- 3/8" FULL-DEPTH WEB STIFFENER ALIGNED WITH EACH VERT. ANGLE ABOVE. WELD BOTH SIDES CONTINUOUS WITH 1/4" FILLET WELD.
- L3 1/2x3 1/2x1/4 VERTICALS AT 48" O.C. ALONG SEGMENT OF BEAM IN EXTERIOR WALL. PROVIDE VERTICAL AT 1'-0" MINIMUM FROM EACH END OF WALL SEGMENT. WELD ALL AROUND TO WF BEAM. CENTER ANGLE OF WF BEAM.
- CONT. HSS3 1/2x3 1/2x1/4 WELDED ALL AROUND TO EACH ANGLE VERTICAL ALONG SEGMENT OF BEAM IN EXTERIOR WALL.
- HSS BEAM - SEE PLAN FOR SIZE AND ELEVATION.
- L4x4x1/2. SAME LENGTH AS WIDTH OF COLUMN OR BEAM, WHICHEVER IS GREATER. SHOP WELD EACH ANGLE ALL AROUND TO COLUMN WITH 1/4" FILLET WELD TOP AND BOTTOM AND FLARE BEVEL GROOVE WELD ON SIDES. FIELD WELD 3 SIDES OF EACH ANGLE TO BEAM WITH 1/4" FILLET WELD AND FLARE BEVEL GROOVE WELD. DO NOT SHOP WELD EITHER ANGLE TO BEAM.
- #4 CONTINUOUS.