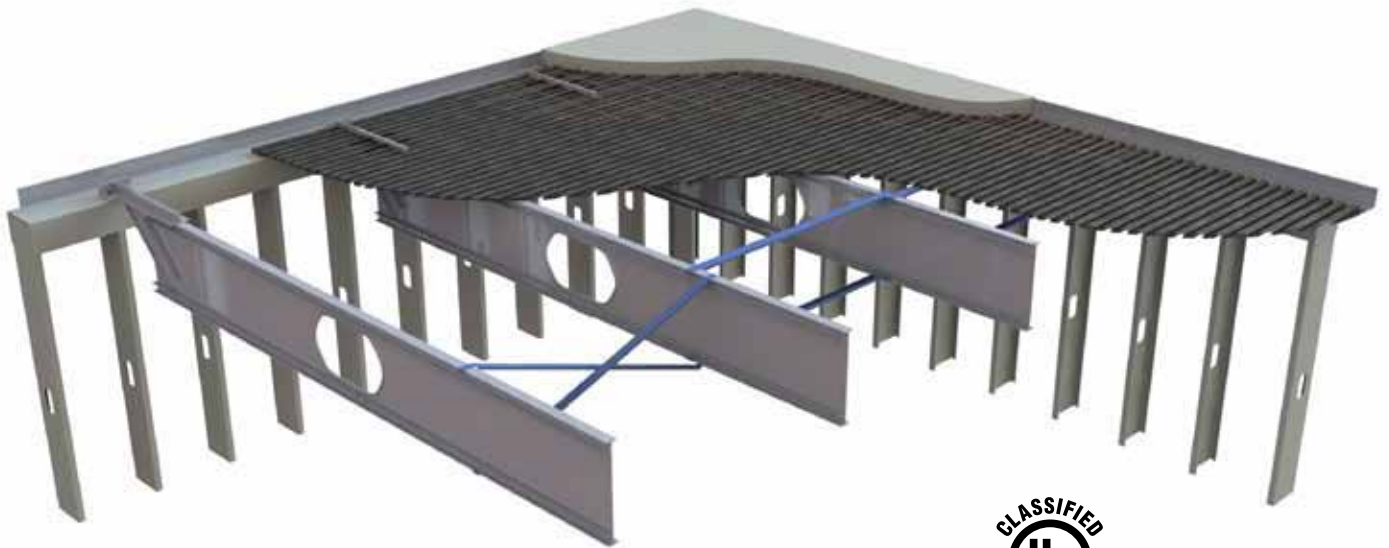


FLOOR SYSTEMS



Composite TotalJoist provides a simple method for stay in place concrete formwork that does not require additional work after the pour.

Total-Lewis-Deck (DoveTail) is used with the added benefit of proven composite action perpendicular to the joists. The DoveTail deck runs continuous over the joists; this reduces cracks in the slab that are a common occurrence with other composite joist systems. With the Composite TotalJoist's planar web, pre-punched holes are much larger than are provided with an open web type joist; this makes it much easier to run ductwork and pipes in the plenum.

SUSTAINABLE CONSTRUCTION

TotalJoist® understands that everyone needs to do their part to help achieve a sustainable built environment. That is why we purchase steel exclusively from suppliers that produce steel using 90% recycled content. Further, we support sustainable construc-

tion education through our USGBC and AIA approved seminars on sustainable construction using steel floor joist systems. Contact TotalJoist® for more information.

PROGRESS THROUGH EDUCATION

TotalJoist® offers a range of continuing education courses approved by the American Institute of Architects (AIA) and the United States Green Building Council (USGBC) for continuing education credits. Contact TotalJoist® for more information.





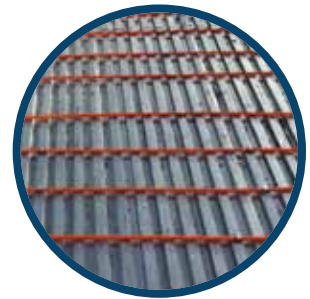
COMPOSITE TOTALJOIST

Composite TotalJoist is a lightweight joist that offers the best spanning capability in the industry. Service holes are standard or can be customized for coordinating with service runs. Composite TotalJoist come in 8", 10", 12", 14", and 16" depths. With a unique top chord bearing connection, installation is simple.



TOTAL-LEWIS-DECK

Total-Lewis-Deck is a proprietary steel composite floor deck. With dovetail shape and embossed ribs it forms a very strong permanent bond with the concrete and acts as reinforcement in the slab.



TOTALJOIST BRIDGING

Use TotalJoist Bridging to speed construction by pre-spacing joists without a measuring tape. TotalJoist Bridging is a unistrut like shape that accepts standard unistrut hangers for plumbing and electrical components.

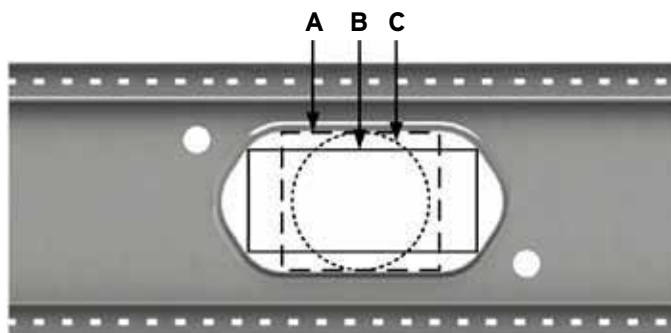


TOTALJOIST CROSS BRIDGING AND BLOCKING

Joist blocking and cross bridging are available with the Composite TotalJoist Floor System. Use TotalJoist Cross Bridging to stiffen the floor.



COMPOSITE TOTALJOIST WEB HOLE SIZES



Joist Depth	A		B		C
	Width	Height	Width	Height	Diameter
8"	2-1/4"	2"	3-1/4"	1-3/8"	2"
10"	4"	3-1/2"	6"	2 1/4"	3-1/2"
12"	6-5/8"	5-7/8"	9-7/8"	4"	5-7/8"
14"	8-1/4"	8"	12-3/4"	5-5/8"	8"
16"	9"	10"	14-5/8"	6-7/8"	10"
18"	9"	10"	14-5/8"	6-7/8"	10"

NOTES:

- 1) Small holes on each side of large web hole are sized for standard 1" electrical grommets.
- 2) Dimensions shown are tight to the web hole. Ensure that an appropriate clearance is provided for the service being fed through the web hole.
- 3) When electrical wiring or pipes/conduits with dissimilar metals are being fed through the hole(s), ensure that proper separation is provided between service component and the steel joists / accessories.

WEB HOLE ALLOWANCES / ALIGNMENT



Composite TotalJoist web holes are fully customizable and can come in any of the following arrangements:



HOLES END ALIGNED
(standard unless otherwise specified)



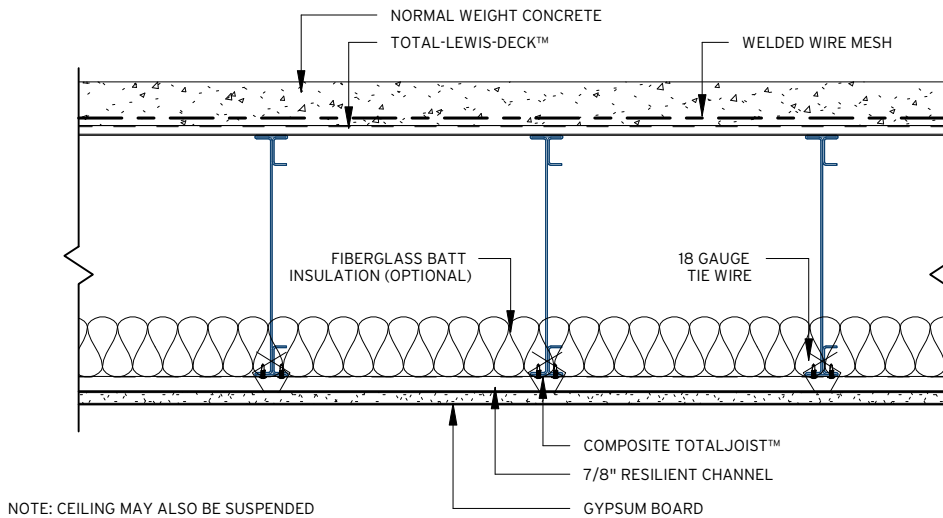
HOLE CENTER ALIGNED



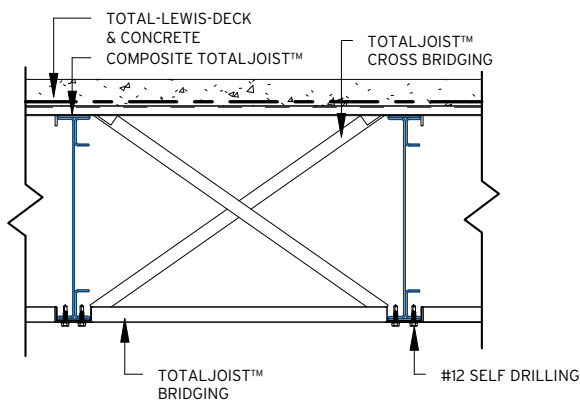
HOLES IN CUSTOM LOCATIONS
(within the parameters shown above)

GENERAL DETAILS

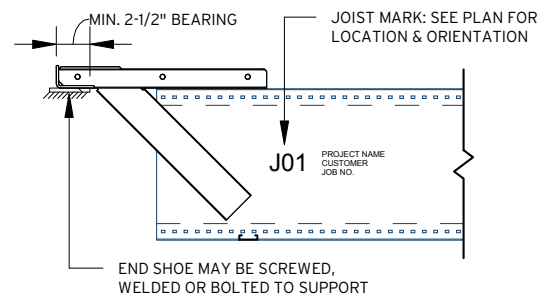
100 TYPICAL FLOOR CONSTRUCTION



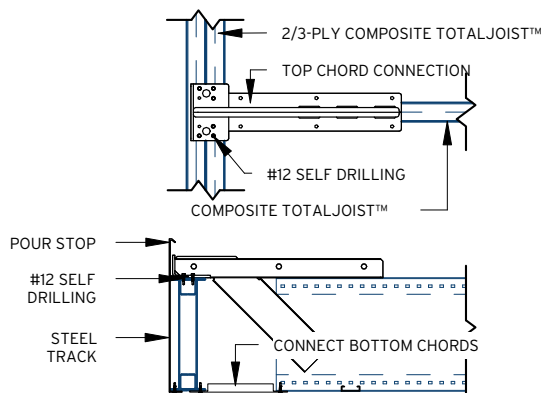
101 CROSS BRIDGING INSTALLATION



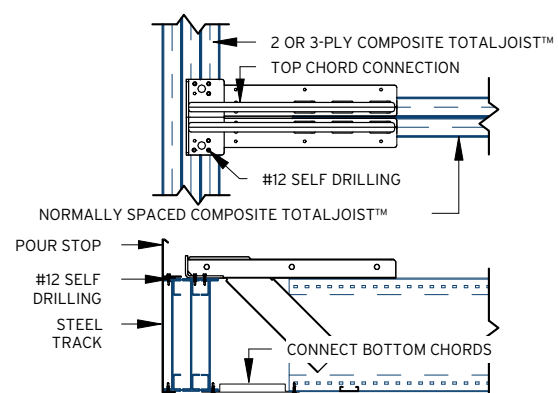
102 END CONNECTION



103 SINGLE PLY CONNECTION TO MULTI-PLY JOIST

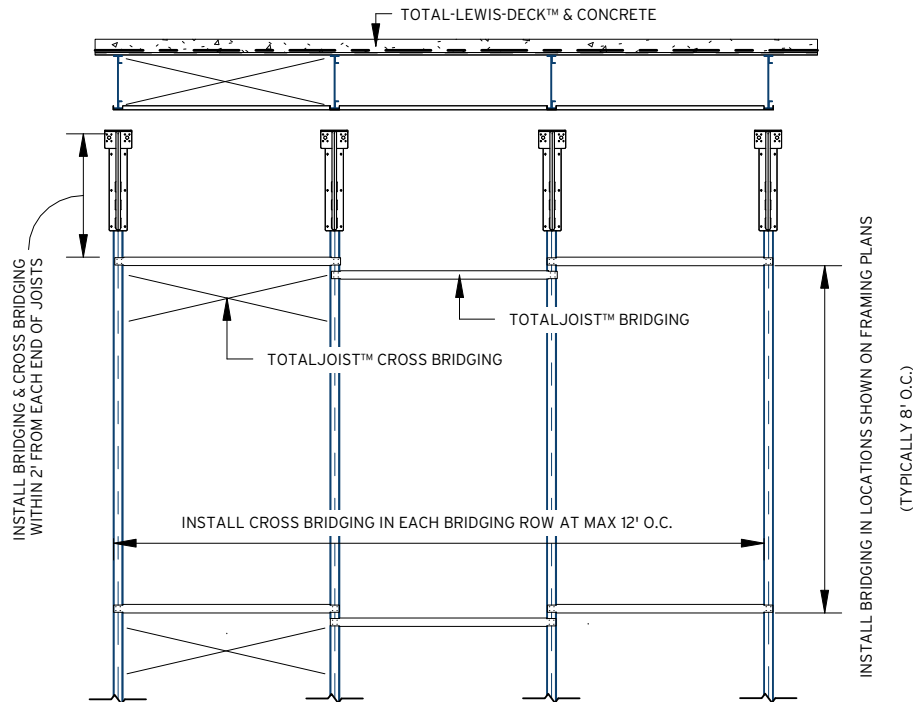


104 MULTI-PLY CONNECTION TO MULTI-PLY JOIST

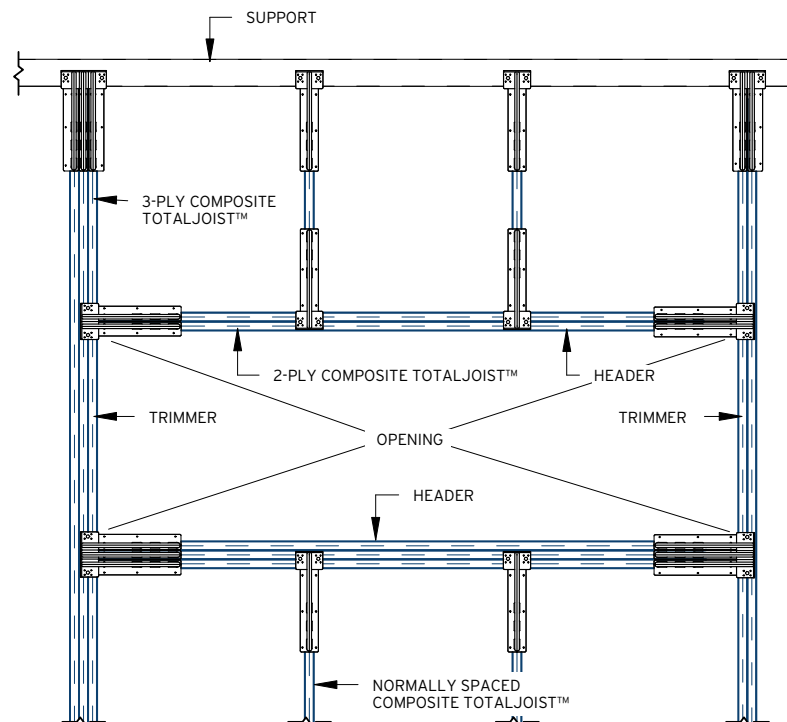


GENERAL DETAILS

105 BLOCKING AND BRIDGING LAYOUT

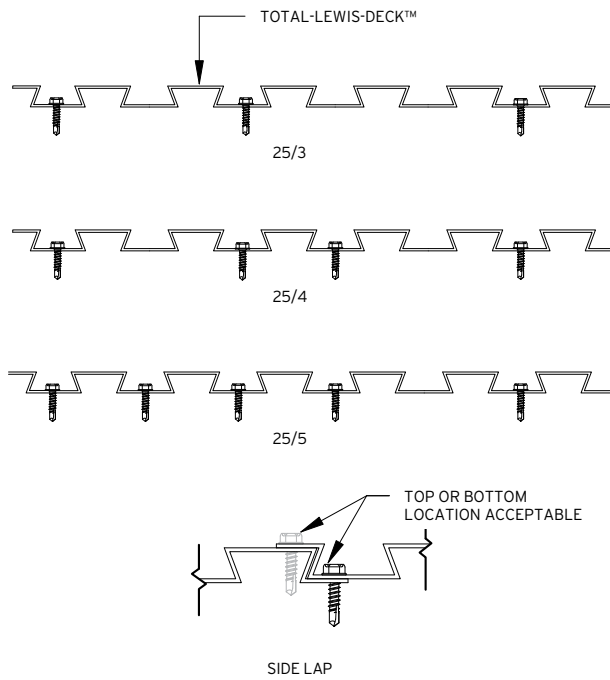


106 OPENING FRAMING

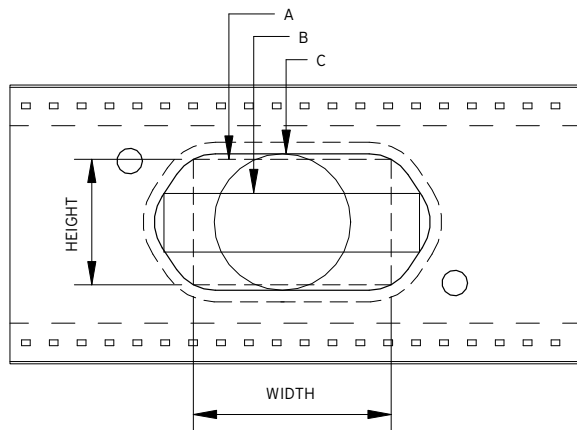


GENERAL DETAILS

107 DECK FASTENER PATTERNS

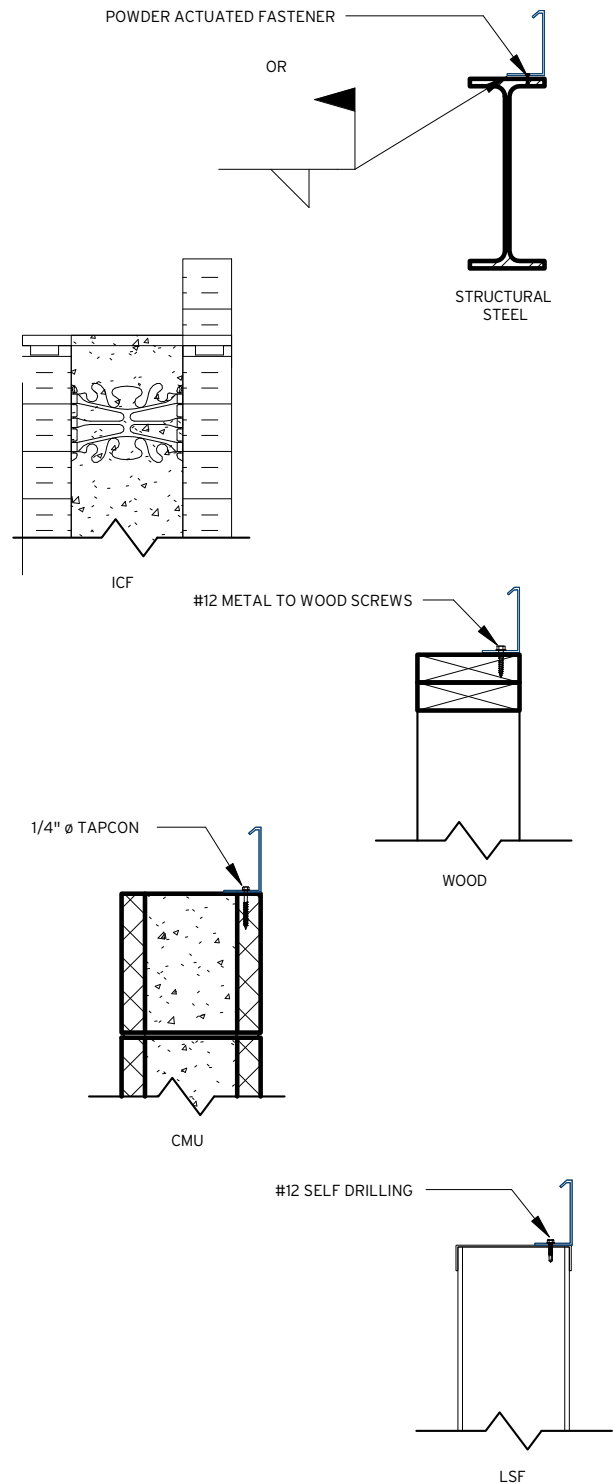


108 HOLE SIZE



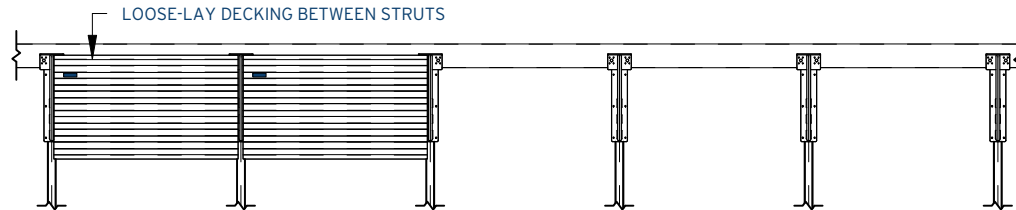
JOIST DEPTH	A		B		C
	HEIGHT	WIDTH	HEIGHT	WIDTH	
10"	4"	3-1/2"	6"	2-1/4"	3-1/2"
12"	6-5/8"	5-7/8"	9-7/8"	4"	5-7/8"
14"	8-1/4"	8"	12-3/4"	5-5/8"	8"
16"	9"	10"	14-5/8"	6-7/8"	10"

109 POUR STOP

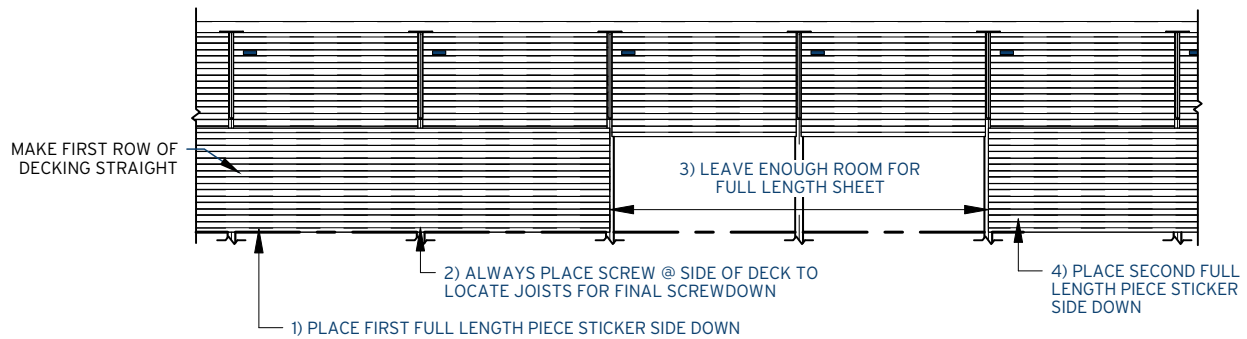


DECK INSTALLATION

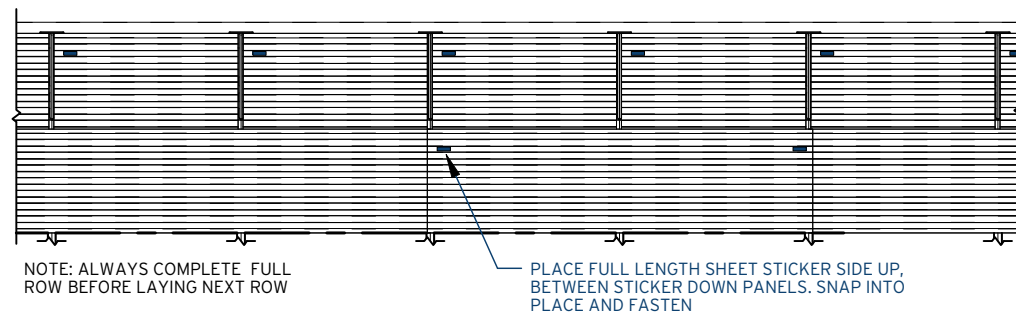
STEP 1 INSTALL STARTER DECK



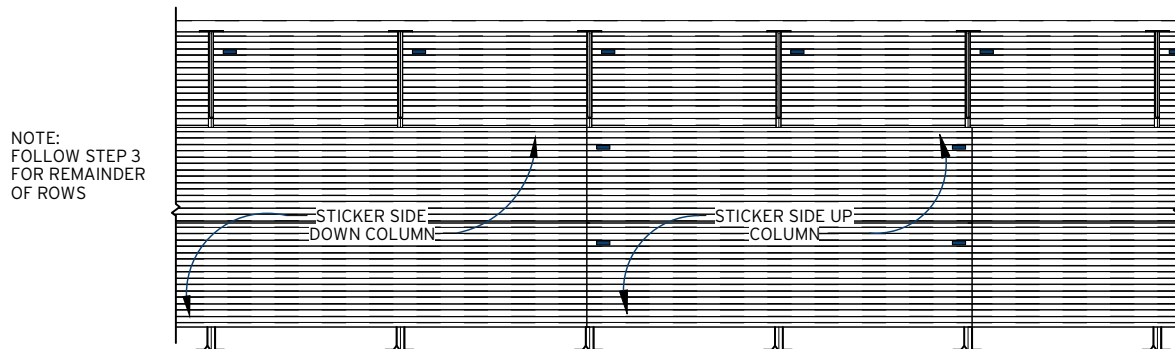
STEP 2 INSTALL STICKER SIDE DOWN PIECES



STEP 3 INSTALL STICKER SIDE DOWN PIECES

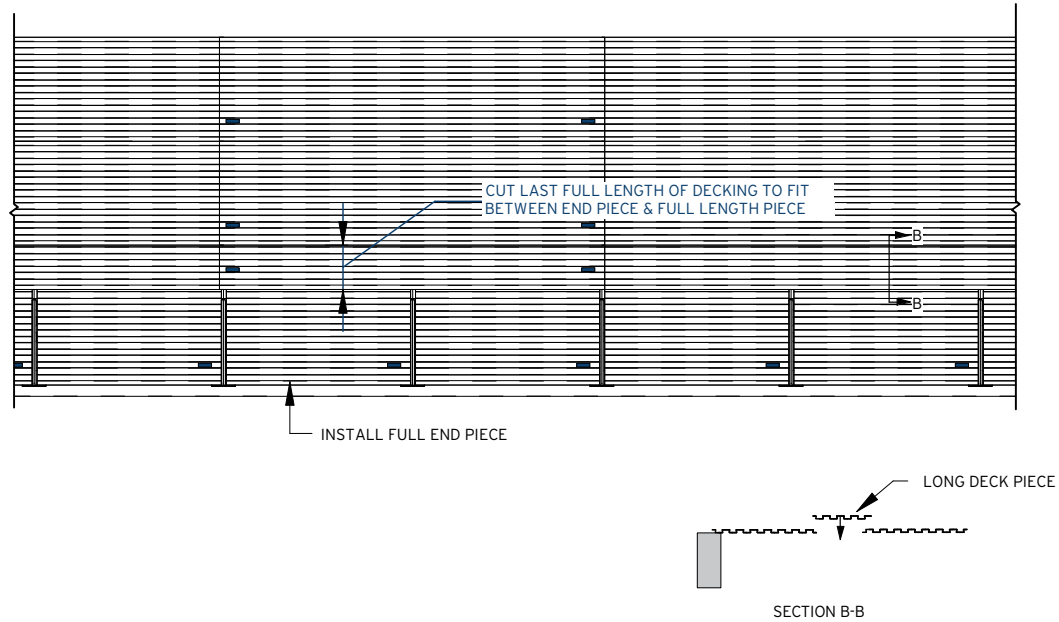


STEP 4 PLACE REMAINDER OF FULL LENGTH PANELS

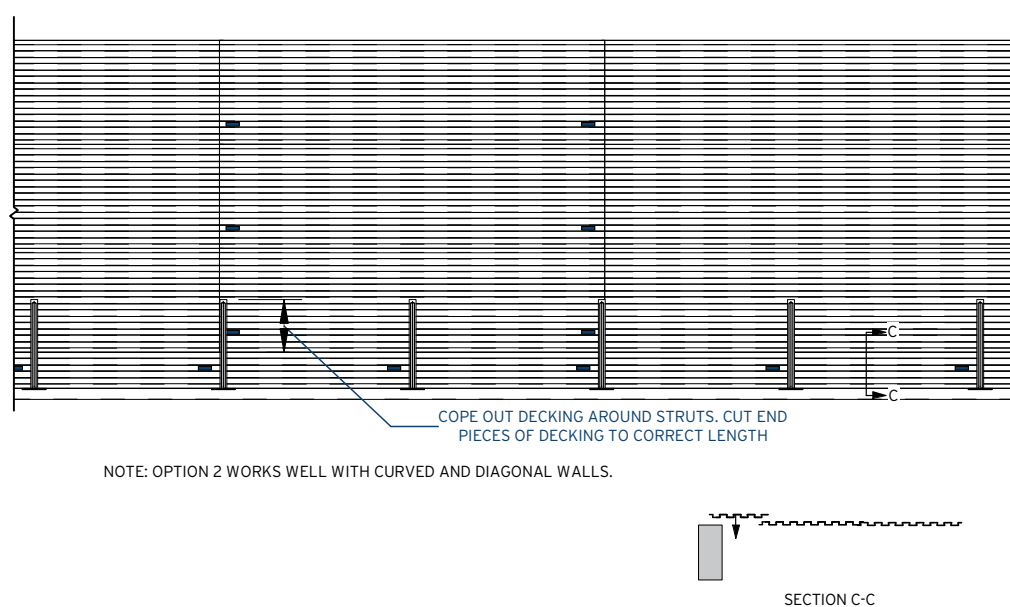


DECK INSTALLATION

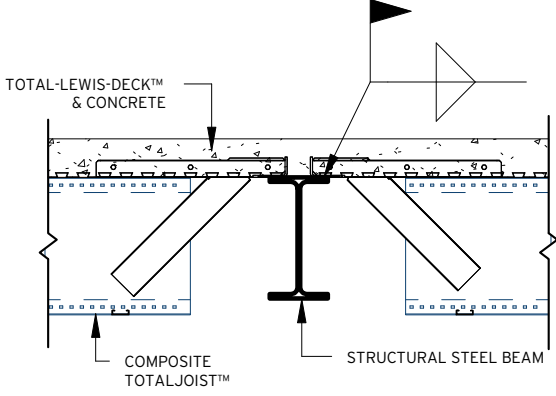
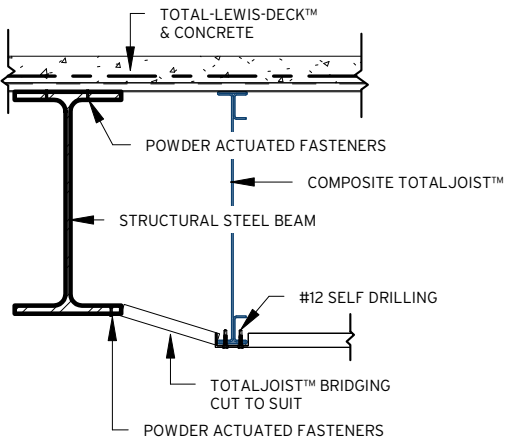
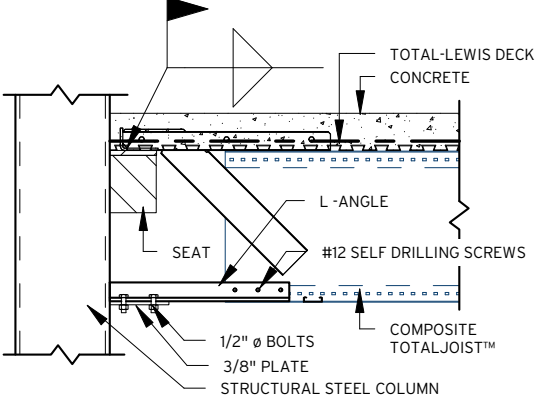
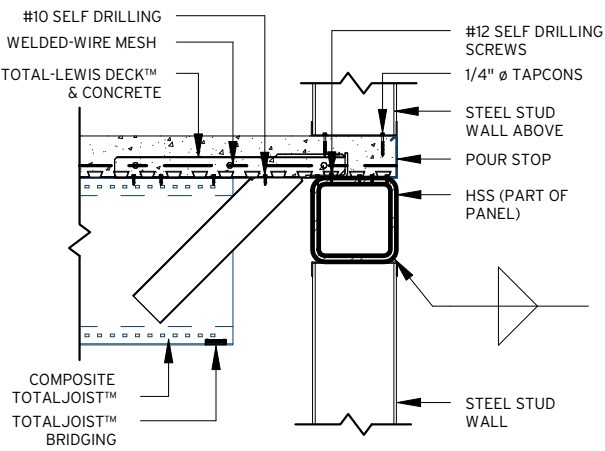
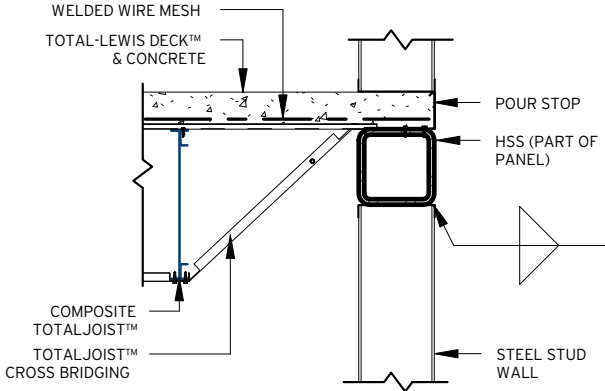
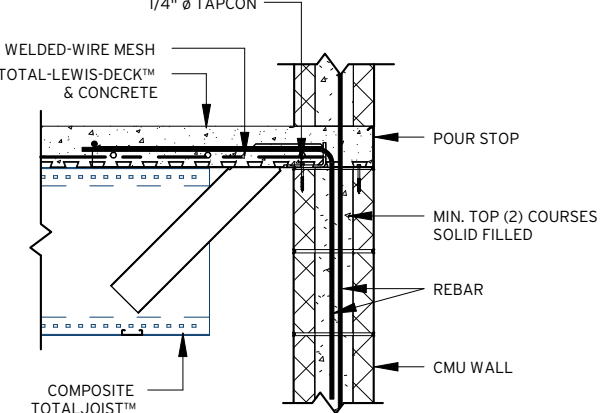
STEP 5 OPTION 1: INSTALL END DECK OPTION



STEP 5 OPTION 2: INSTALL END DECK OPTION



CONNECTION DETAILS

200 CONNECTION TO STRUCTURAL STEEL BEAM  NOTE: ALTERNATIVELY SHOE MAY BE FASTENED WITH SELF DRILLING SCREWS	201 PARALLEL TO STRUCTURAL STEEL BEAM 
202 TIE JOIST  NOTE: ALTERNATIVELY SHOE MAY BE FASTENED WITH SELF DRILLING SCREWS	203 CONNECTION TO STEEL STUD WALL 
204 CONNECTION PARALLEL TO STEEL STUD WALL 	205 CONNECTION TO MASONRY WALL 

CONNECTION DETAILS

206 PARALLEL TO MASONRY WALL Labels: 1/4" ϕ TAPCON, TOTAL-LEWIS-DECK™ & CONCRETE, REBAR, CMU WALL, MIN. TOP (2) COURSES SOLID FILLED, REBAR, TOTALJOIST™ CROSS BRIDGING, COMPOSITE TOTALJOIST™	207 CONNECTION TO WOOD STUD WALL Labels: #10 SELF DRILLING WELDED-WIRE MESH, TOTAL-LEWIS-DECK™ & CONCRETE, 1/4" ϕ TAPCONS, POUR STOP, #12 METAL TO WOOD SCREWS, WOOD WALL, COMPOSITE TOTALJOIST™, TOTALJOIST™ BRIDGING
208 CONNECTION PARALLEL TO WOOD STUD WALL Labels: WELDED-WIRE MESH, TOTAL-LEWIS-DECK™ & CONCRETE, #12 METAL TO WOOD SCREWS, 1/4" ϕ TAPCONS, POUR STOP, DOUBLE TOP PLATE, WOOD STUD WALL, COMPOSITE TOTALJOIST™, TOTALJOIST™ CROSS BRIDGING	209 CONNECTION TO STEEL STUD WALL W/ DEEP LEG TRACK Labels: #10 SELF DRILLING WELDED-WIRE MESH, TOTAL-LEWIS DECK™ & CONCRETE, #12 SELF DRILLING SCREWS, 1/4" ϕ TAPCONS, STEEL STUD WALL ABOVE, POUR STOP, DEEP LEG TRACK, STEEL STUD WALL, COMPOSITE TOTALJOIST™, TOTALJOIST™ BRIDGING
210 CONNECTION TO STEEL STUD WALL - SHALLOW HSS Labels: #10 SELF DRILLING WELDED-WIRE MESH, TOTAL-LEWIS DECK™ & CONCRETE, #12 SELF DRILLING SCREWS, 1/4" ϕ TAPCONS, STEEL STUD WALL ABOVE, POUR STOP, HSS (PART OF PANEL), STEEL STUD WALL, COMPOSITE TOTALJOIST™, TOTALJOIST™ BRIDGING	211 CONNECTION TO STEEL STUD WALL - DEEP HSS Labels: #10 SELF DRILLING WELDED-WIRE MESH, TOTAL-LEWIS DECK™ & CONCRETE, #12 SELF DRILLING SCREWS, 1/4" ϕ TAPCONS, STEEL STUD WALL ABOVE, POUR STOP, HSS (PART OF PANEL), STEEL STUD WALL, COMPOSITE TOTALJOIST™, TOTALJOIST™ BRIDGING

CONNECTION DETAILS

