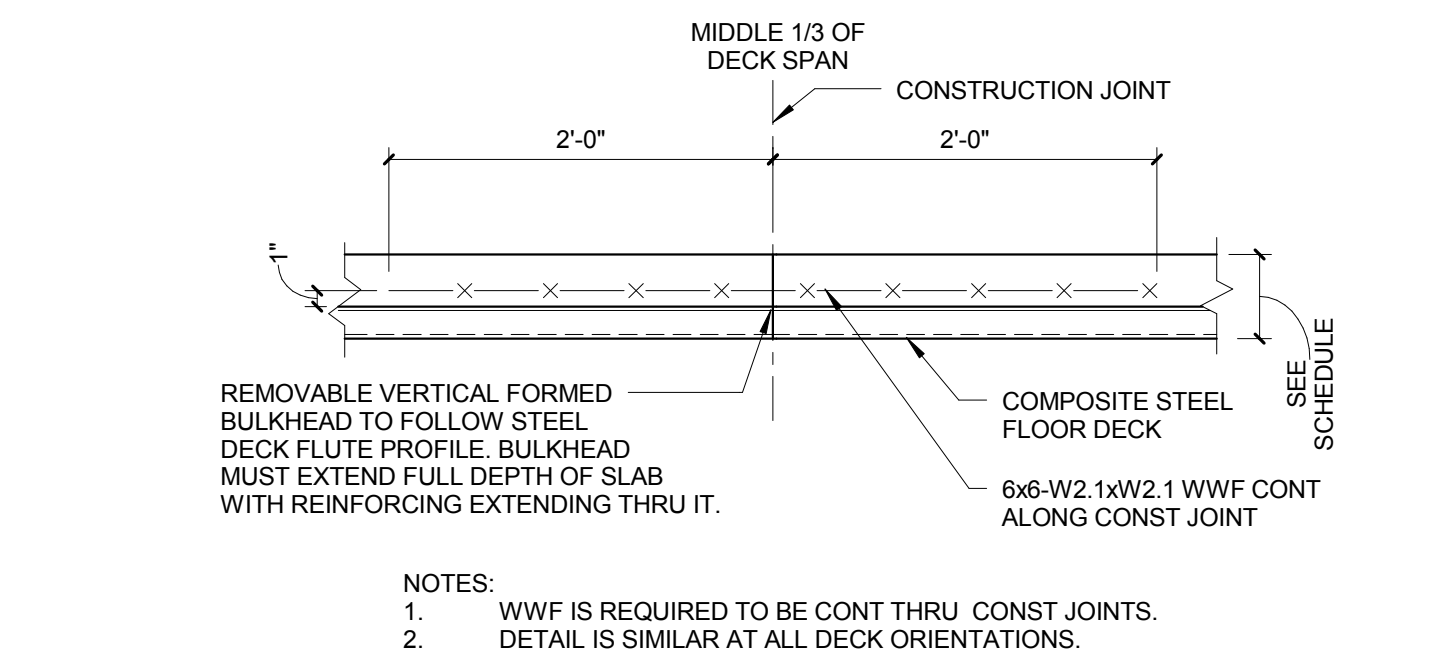
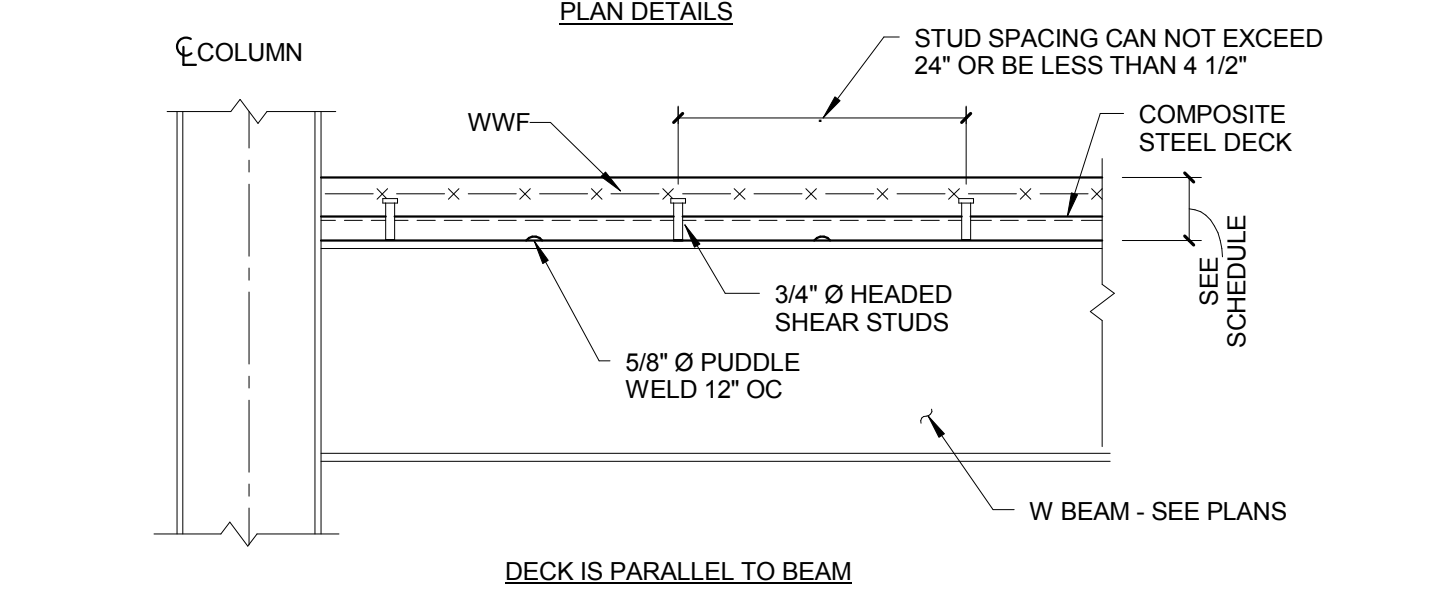
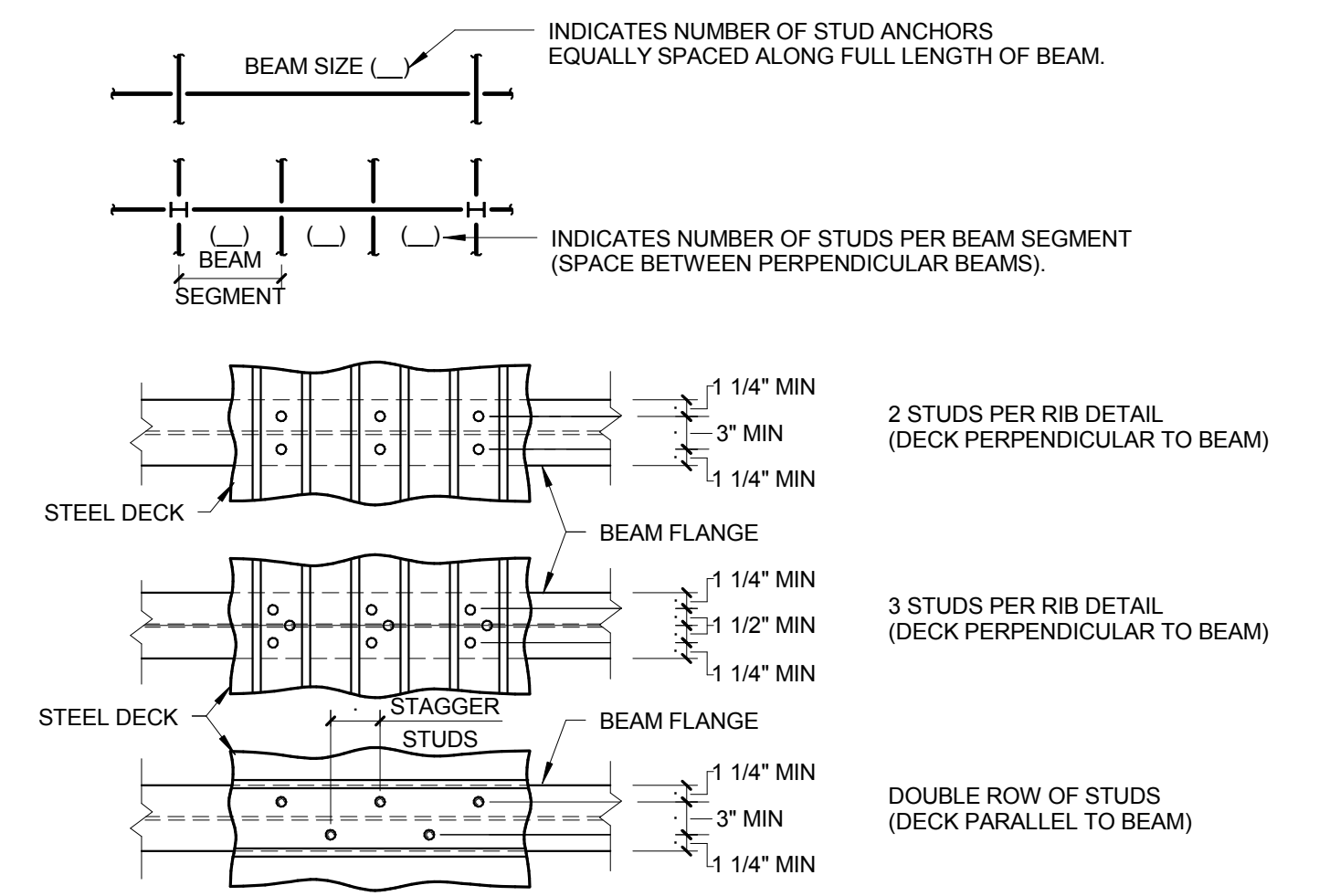


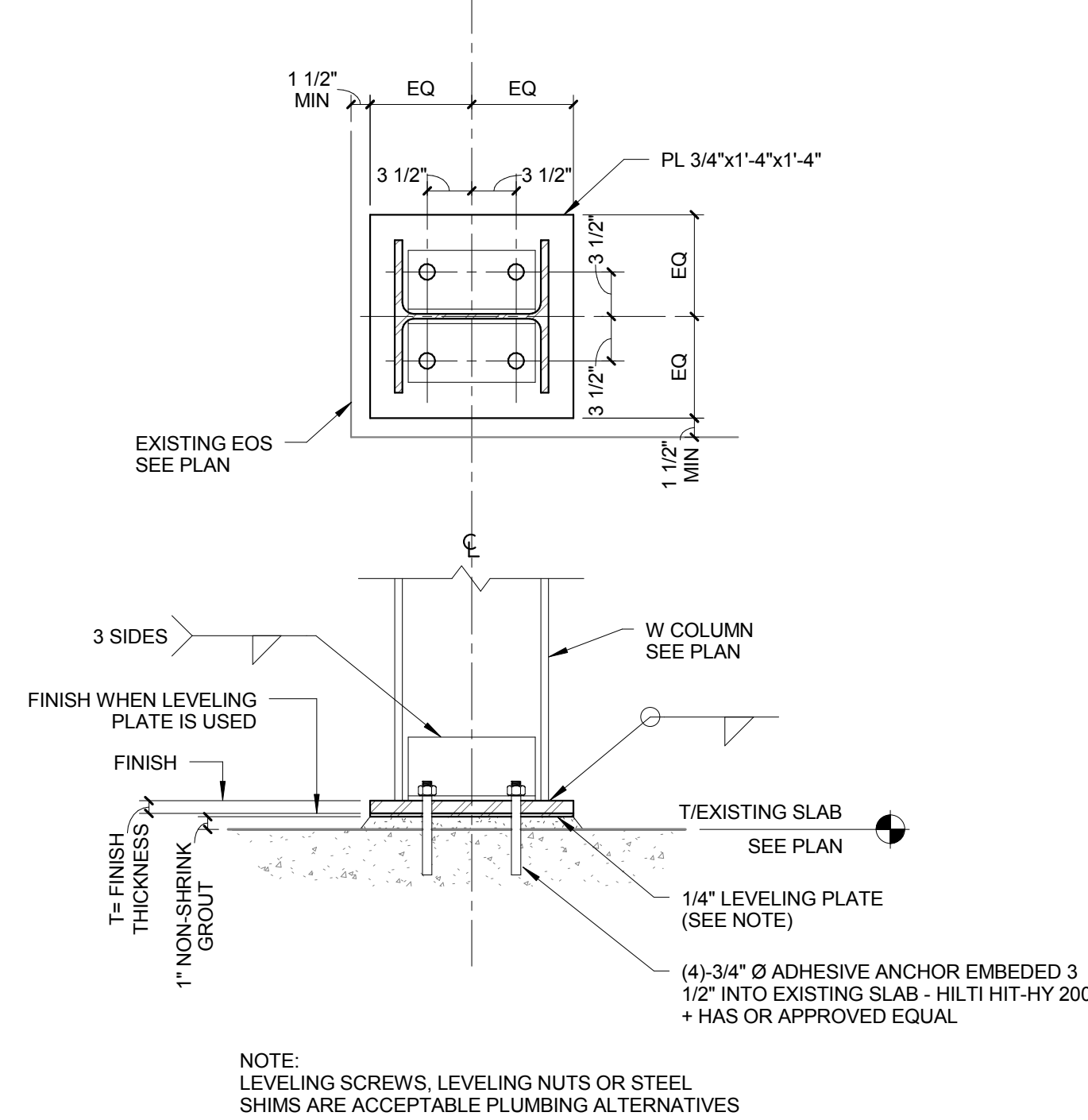
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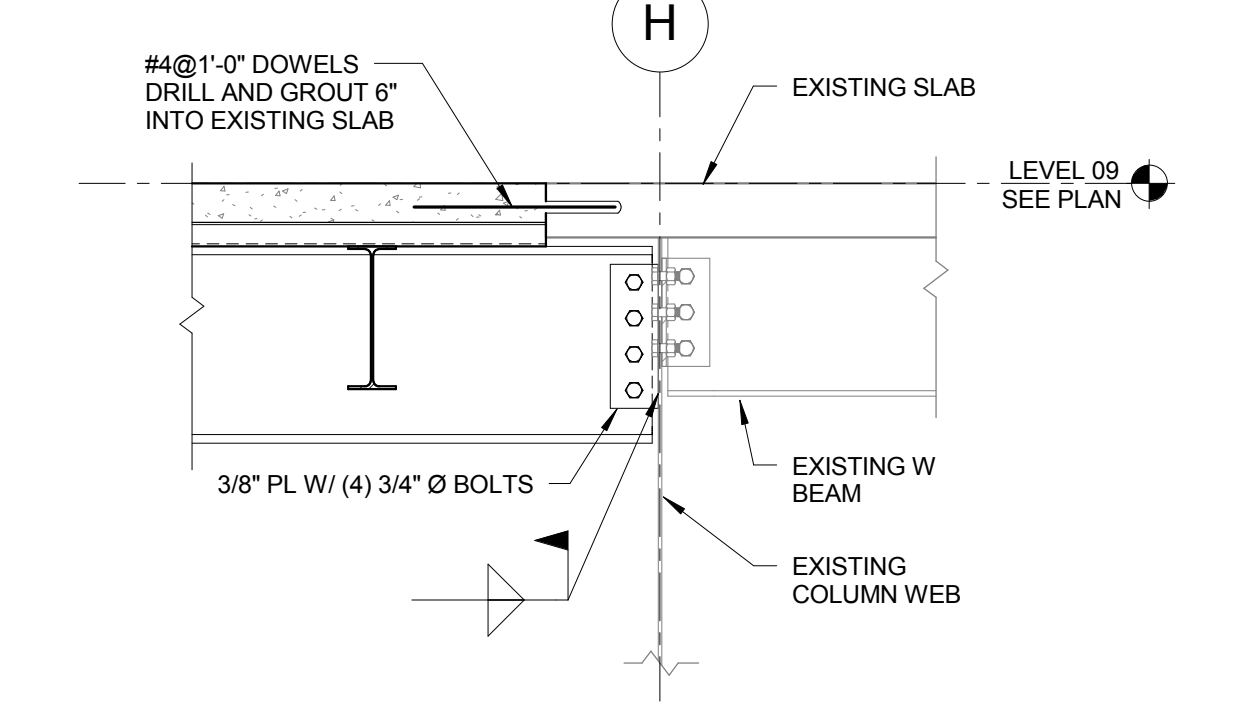
15 TYPICAL BLENDED FIBER REINFORCED COMPOSITE SLAB CONSTRUCTION JOINT
1" = 1'-0"



12 TYPICAL SLAB REINFORCING AT PERIMETER COLUMNS
3/4\"/>

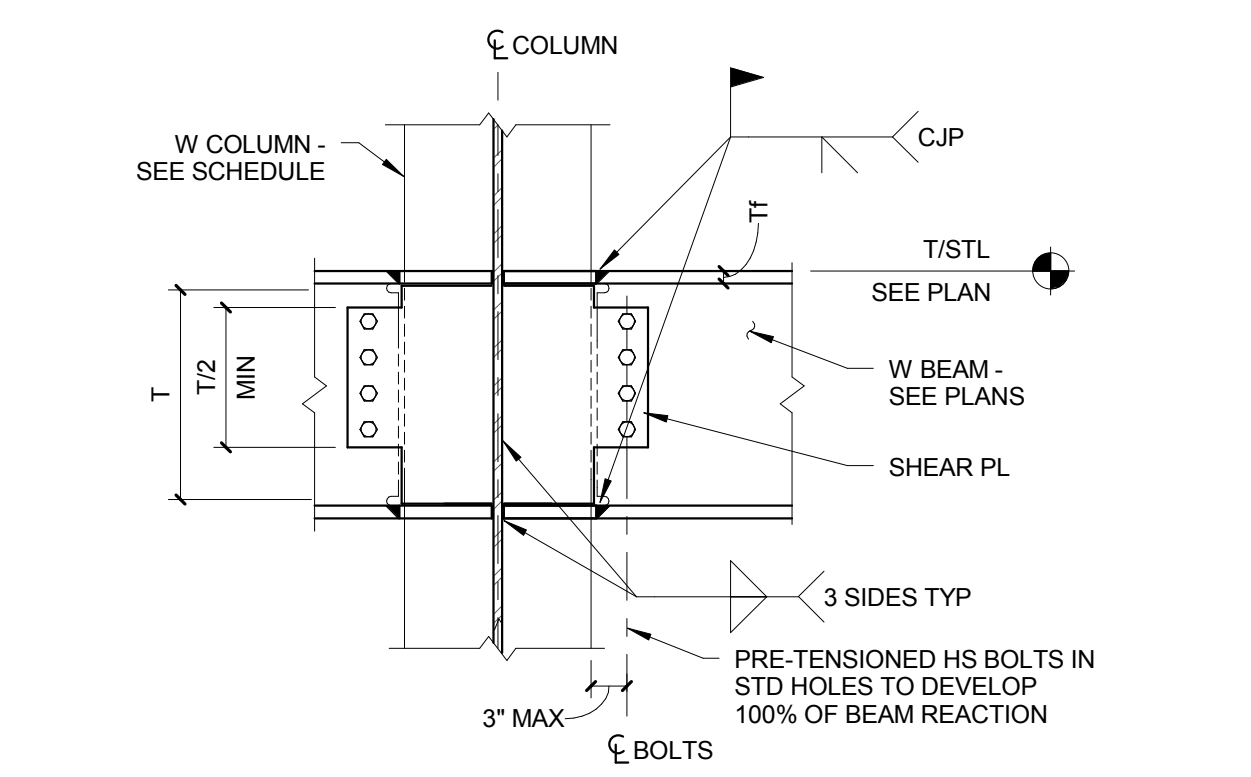
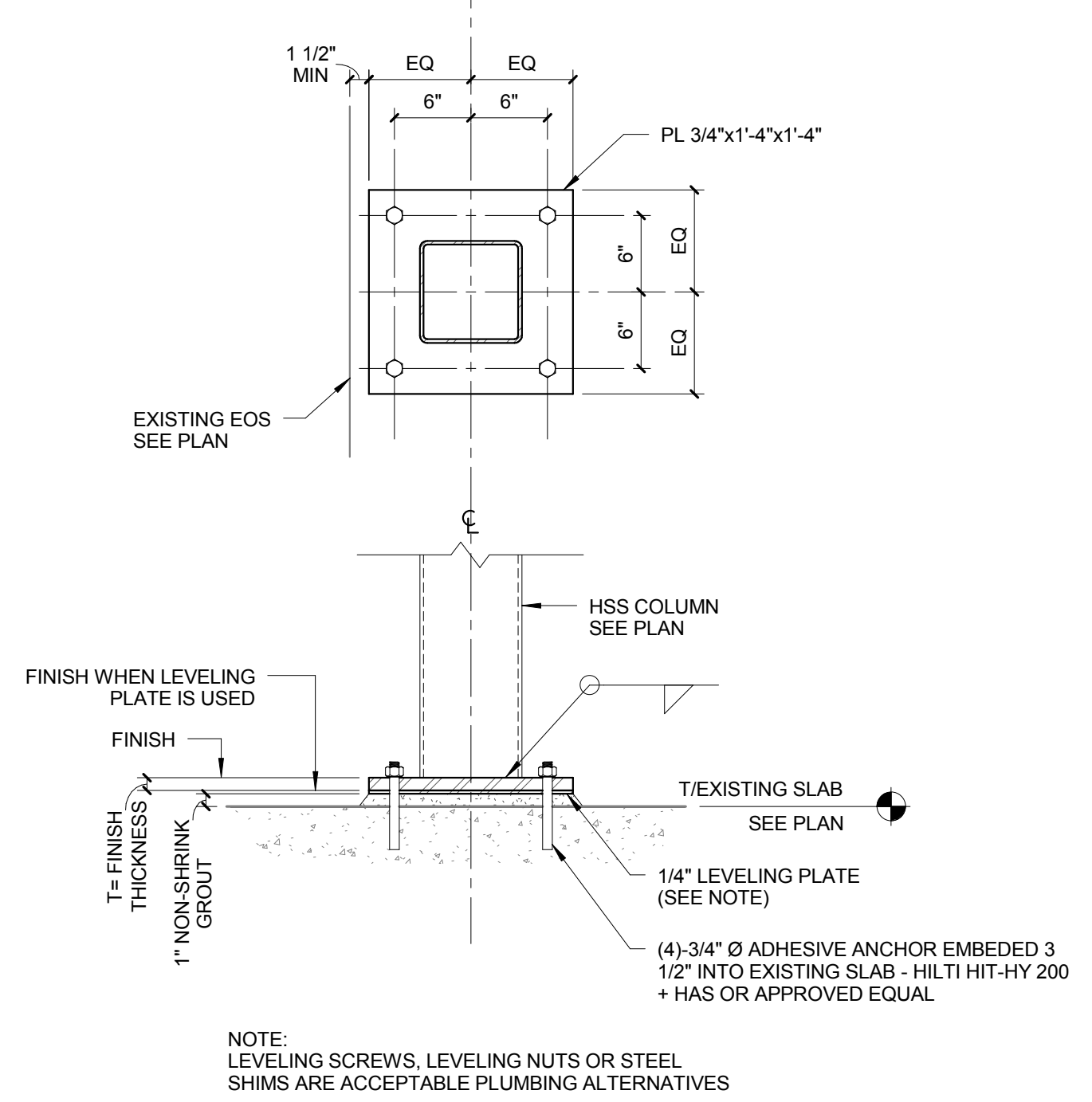


9 STEEL COLUMN BASE PLATE AT E-16, E-17, F-15, F-18
1" = 1'-0"

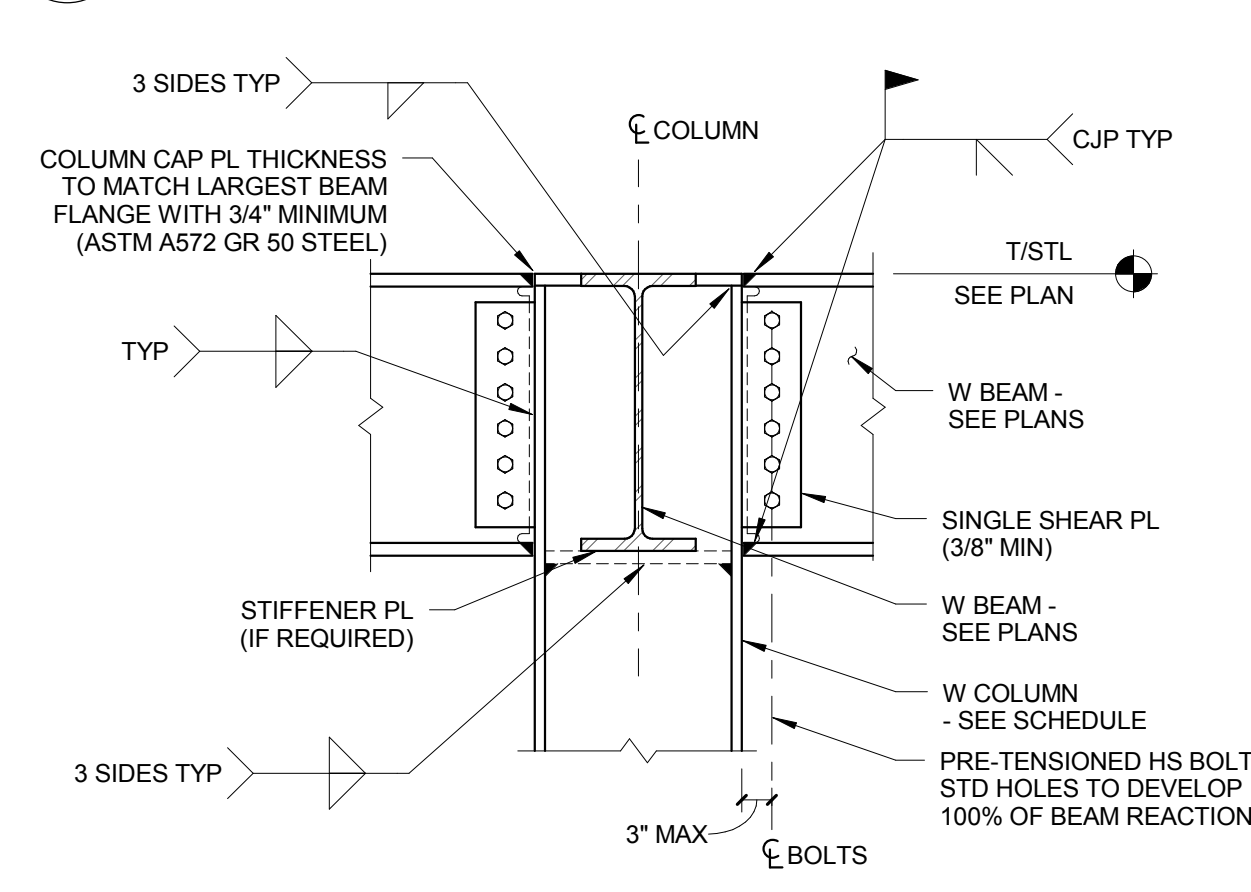


8 TYPICAL CONNECTION AT EXISTING COLUMNS
3/4\"/>

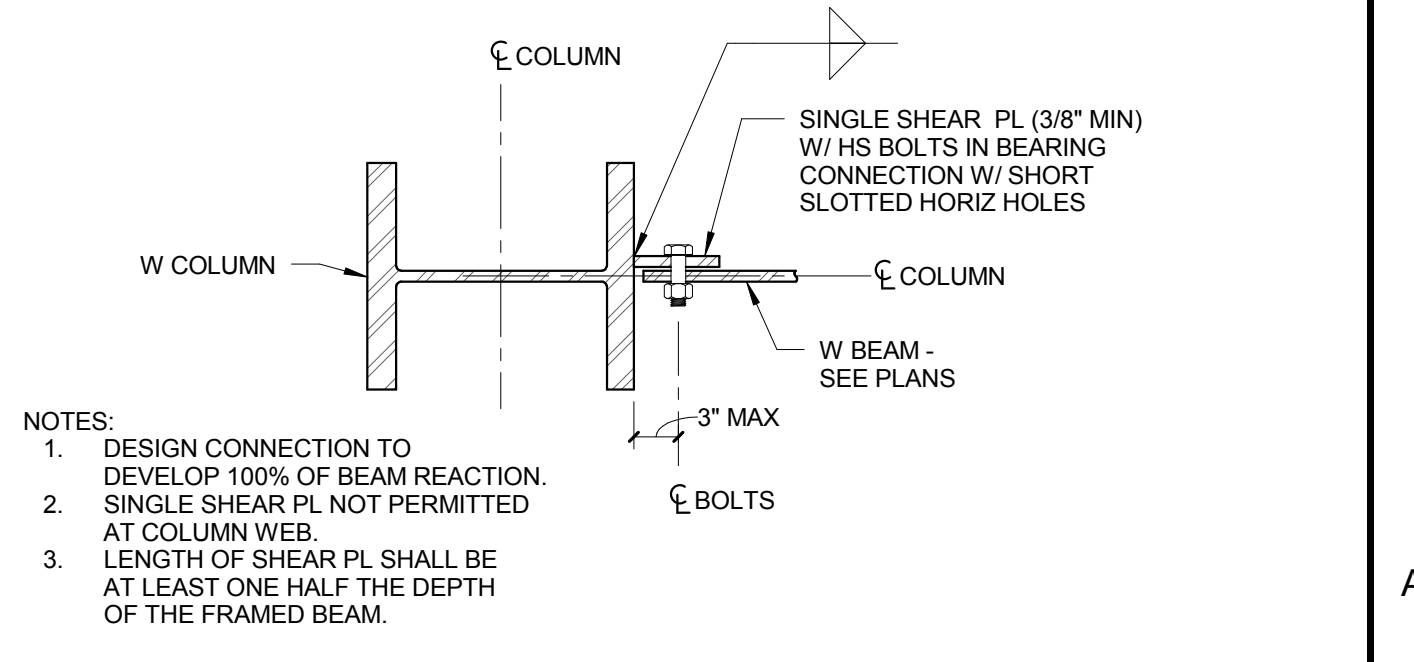
11 STEEL COLUMN BASE PLATE AT E-18, F-16, F-17
1" = 1'-0"



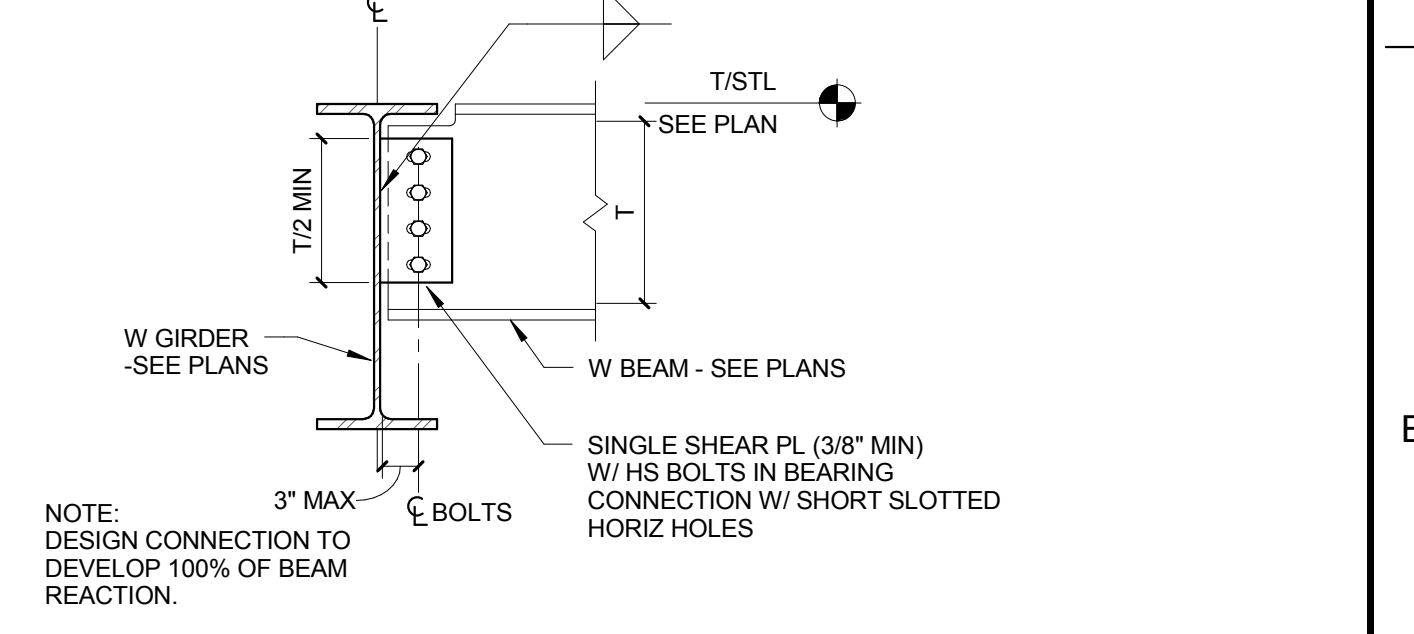
7 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION
3/4\"/>



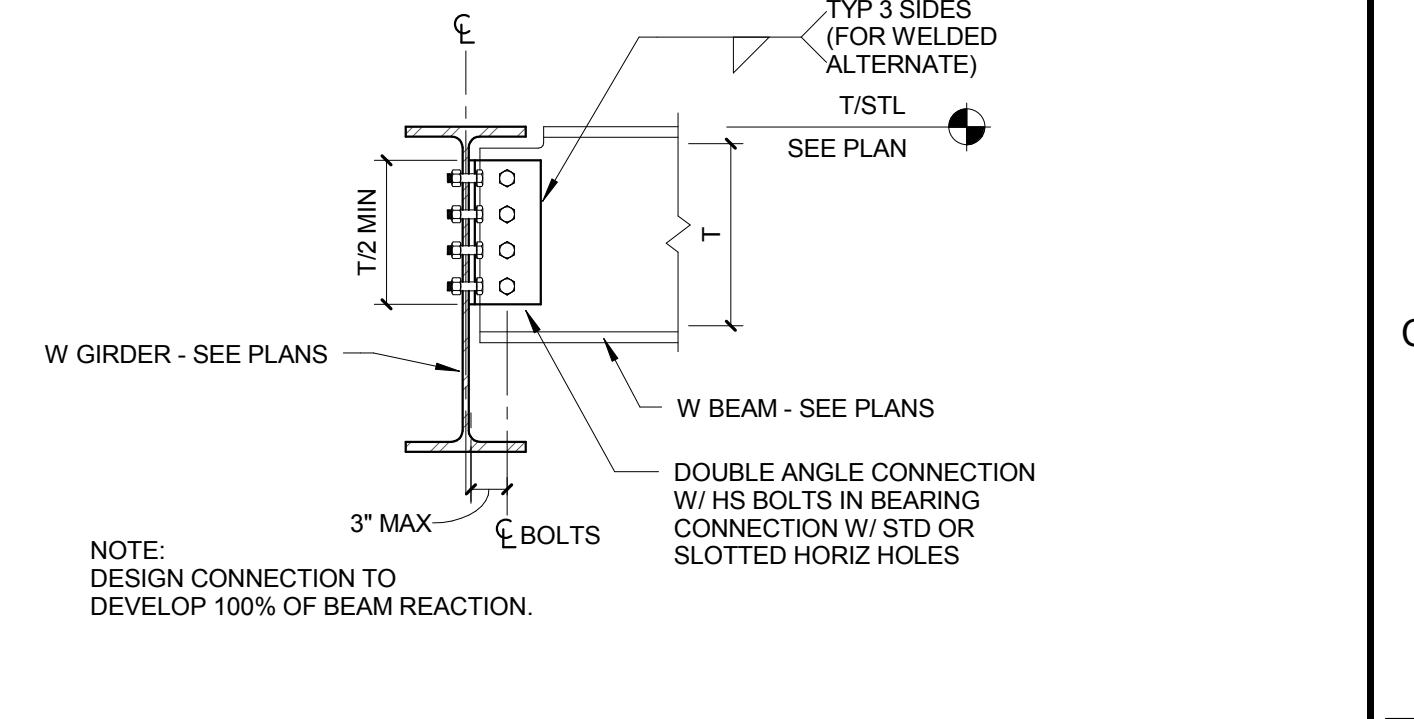
6 TYPICAL BEAM TO COLUMN FLANGE MOMENT CONNECTION AT ROOF
3/4\"/>



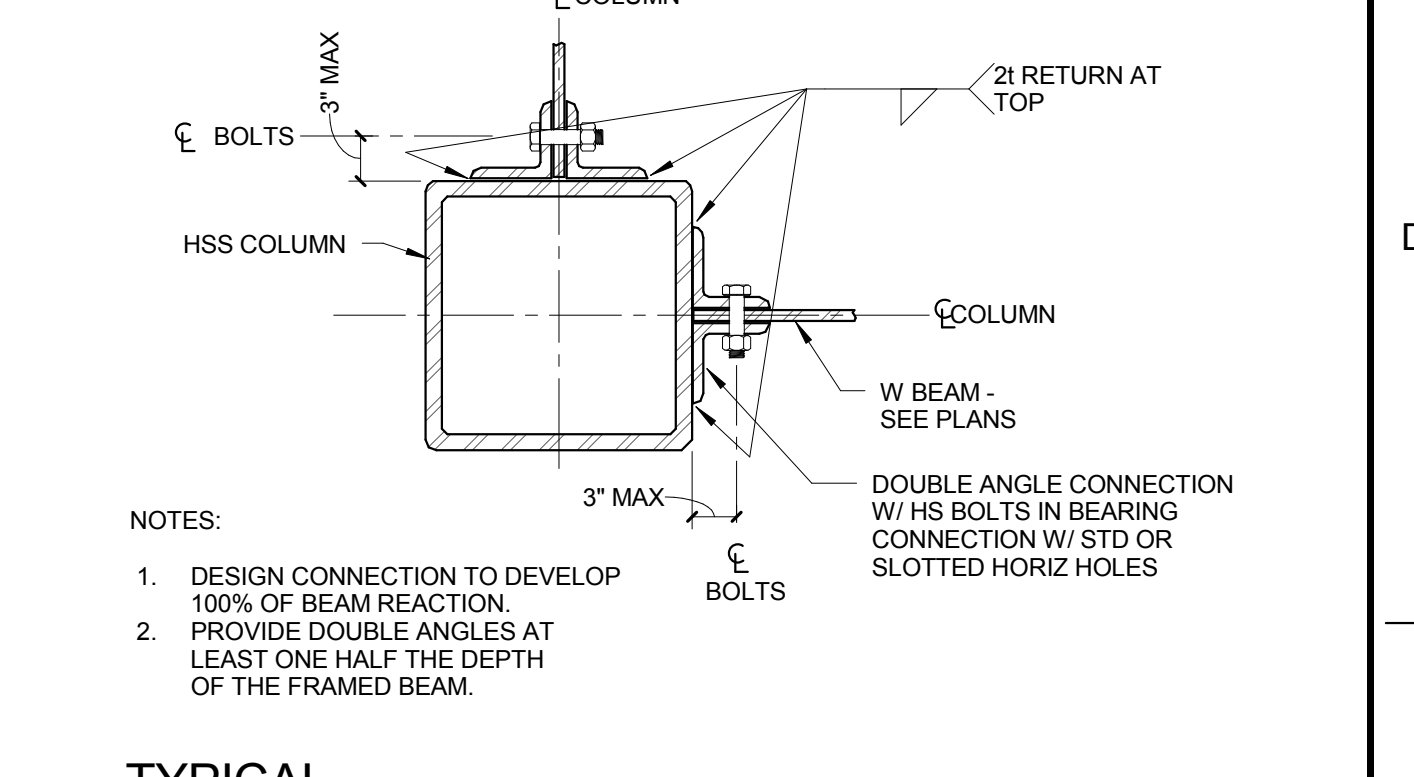
5 ALTERNATE FRAMED BEAM TO WIDE FLANGE COLUMN CONNECTION
3/4\"/>



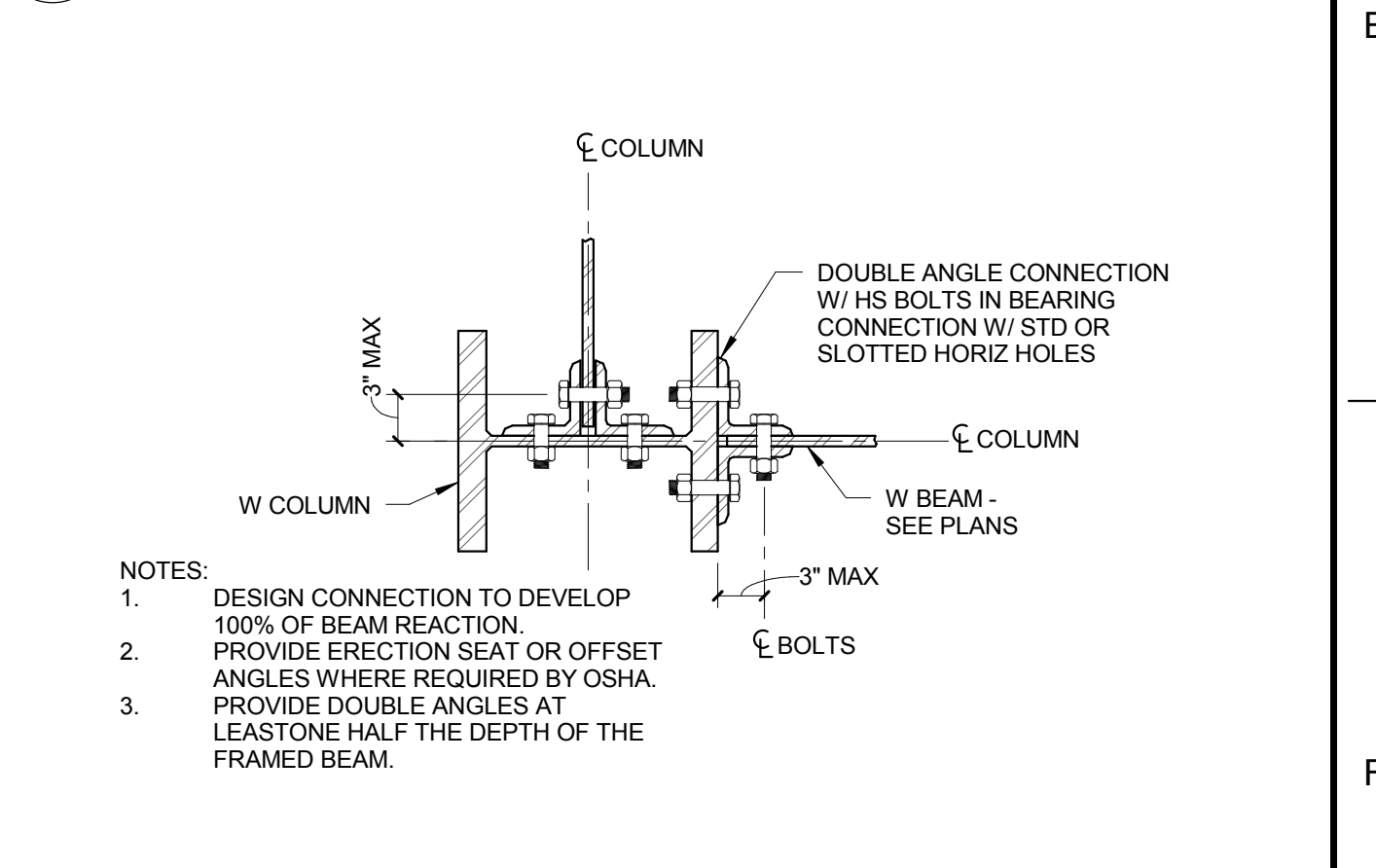
4 ALTERNATE FRAMED BEAM CONNECTION
3/4\"/>



3 TYPICAL FRAMED BEAM CONNECTION
3/4\"/>

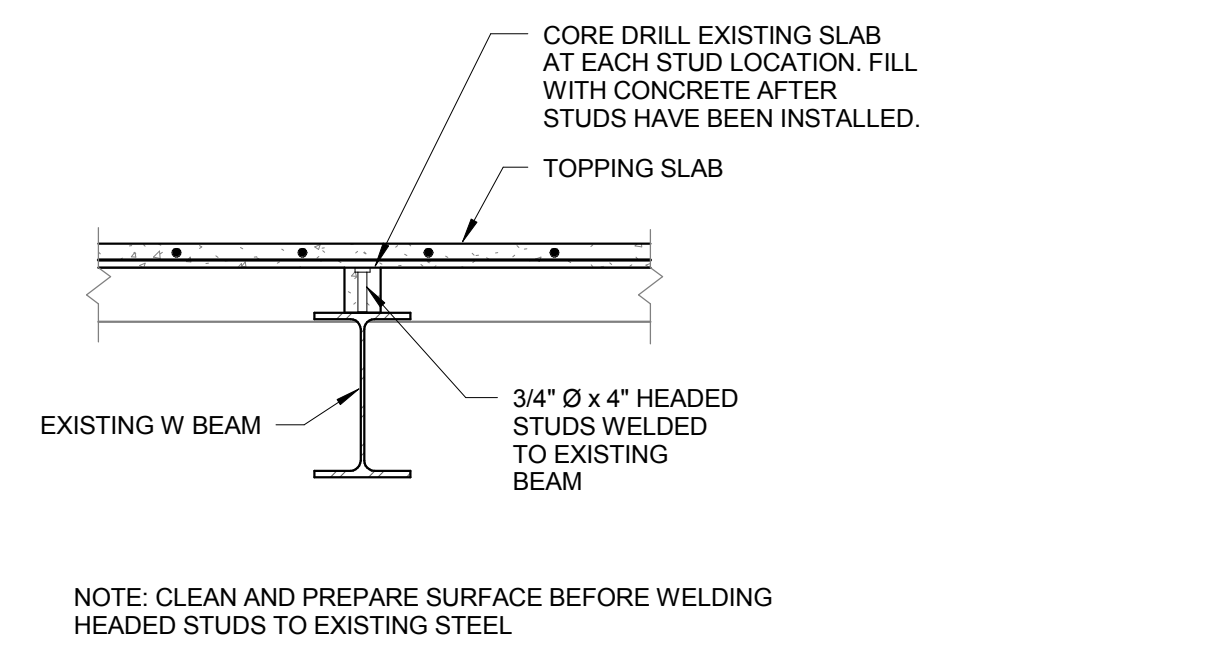


2 TYPICAL FRAMED BEAM TO HSS COLUMN CONNECTION - HSS FACE DIM > 8\"/>

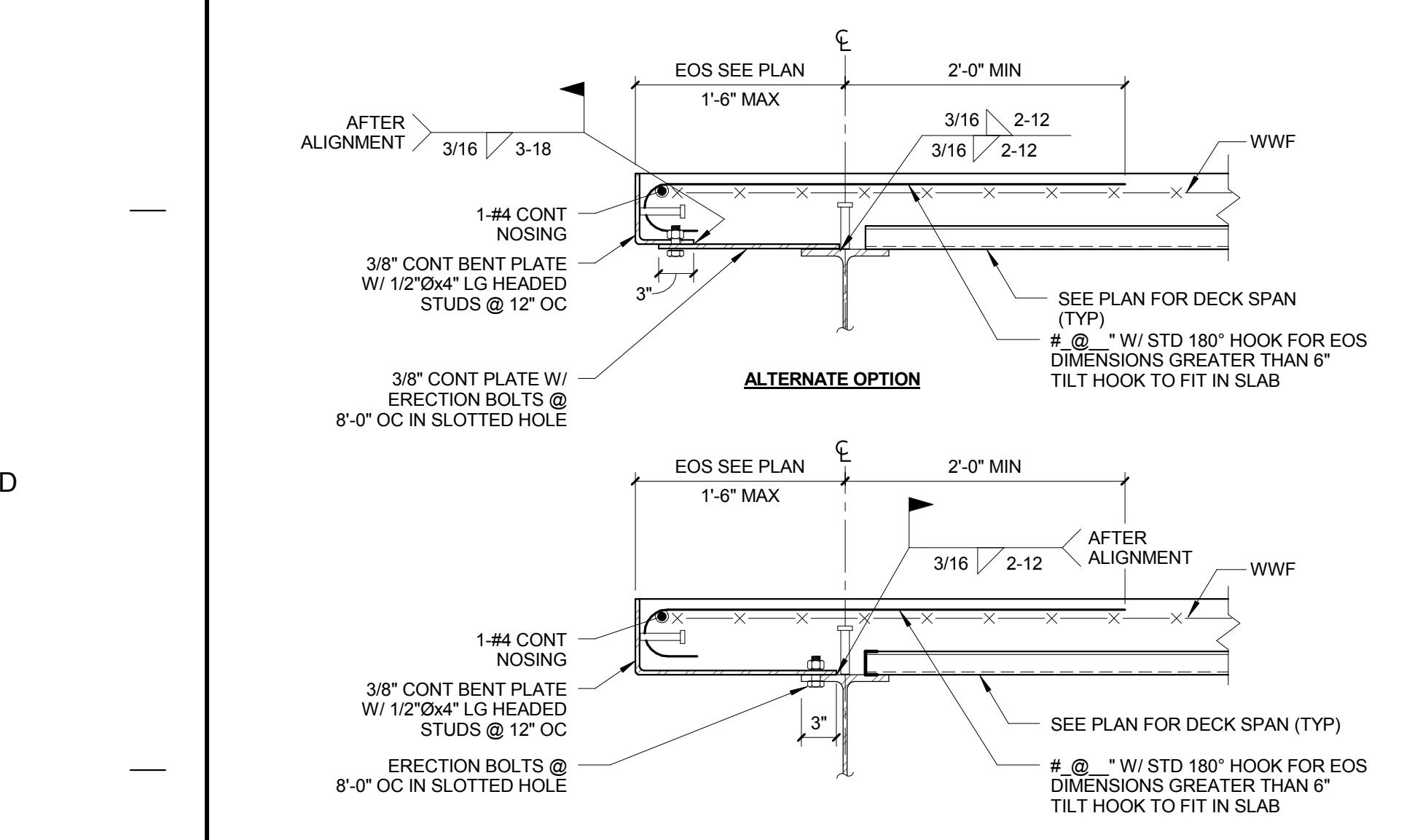


1 TYPICAL FRAMED BEAM TO WIDE FLANGE COLUMN CONNECTION
3/4\"/>

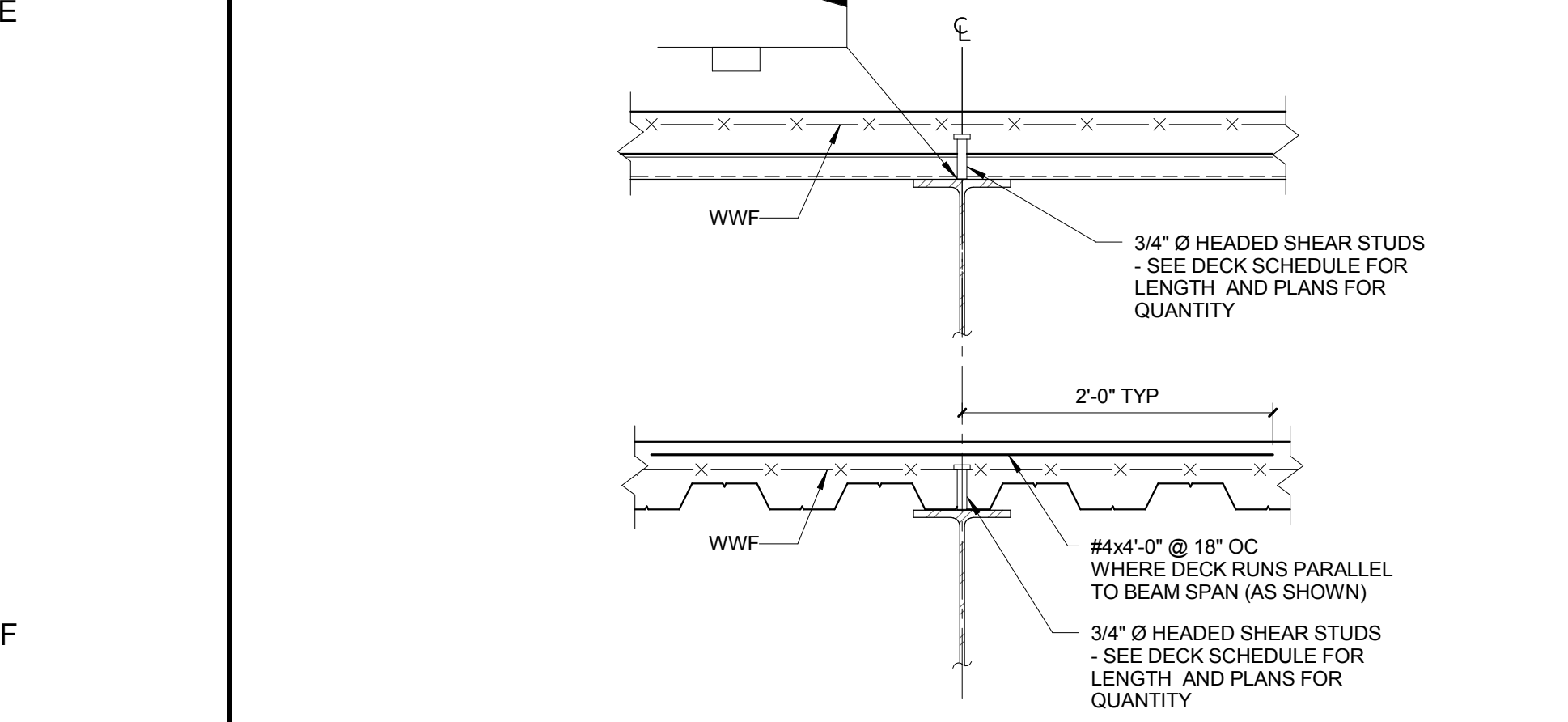
B



18 TYPICAL HEADED STUD CONNECTION TO EXISTING BEAM
3/4\"/>

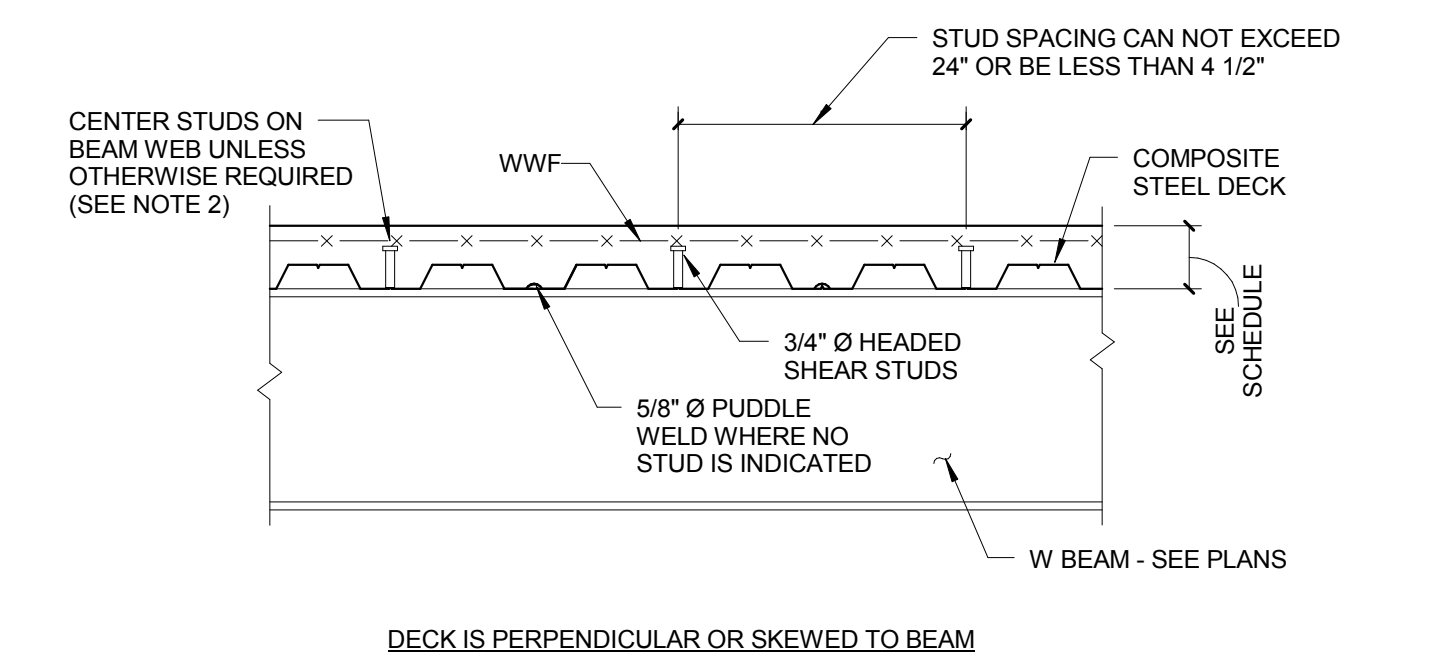


17 TYPICAL PERIMETER EDGE OF SLAB DETAIL WITH BENT PLATE
1" = 1'-0"



16 TYPICAL SLAB AND COMPOSITE BEAM DETAIL
1" = 1'-0"

- NOTES:
1. SPACE STUDS EQUALLY WITHIN BEAM SEGMENT. WHERE STUD SPACING EXCEEDS 24 INCHES, PROVIDE ADDITIONAL STUDS AS NECESSARY TO MAINTAIN A 24 INCH MAXIMUM STUD SPACING.
 2. PLACE STUDS IN SINGLE ROW UNLESS NUMBER OF STUDS RESULTS IN SPACING LESS THAN 4 1/2 INCHES. WHERE SPACING WOULD BE LESS THAN 4 1/2 INCHES, PROVIDE A DOUBLE ROW OF STUDS IN A STAGGERED PATTERN RATHER THAN SIDE BY SIDE. MAINTAIN TRANSVERSE SPACING BETWEEN STUDS AND EDGE DIMENSIONS AS SHOWN ON PLAN DETAILS ABOVE.



- NOTES:
1. SPACE STUDS AS EVENLY AS POSSIBLE IN AVAILABLE DECK FLUTES. WHERE STUD SPACING EXCEEDS 24 INCHES, PROVIDE ADDITIONAL STUDS AS NECESSARY TO MAINTAIN A 24 INCH MAXIMUM STUD SPACING.
 2. WHERE THE NUMBER OF STUDS EXCEEDS THE NUMBER OF FLUTES, INSTALL REMAINING STUDS IN DOUBLE OR TRIPLE ROW, STARTING FROM THE BEAM ENDS AND WORKING TOWARD THE CENTER.
 3. WHERE BEAM FLANGE THICKNESS IS LESS THAN 0.30\", STUDS MUST BE PLACED AT CENTERLINE OF THE BEAM.
 4. MAINTAIN TRANSVERSE SPACING BETWEEN STUDS AND EDGE DIMENSIONS AS SHOWN ON PLAN DETAILS ABOVE.

14 SHEAR CONNECTOR PLACEMENT DIAGRAMS
3/4\"/>

COMPOSITE SLAB SCHEDULE							
MINIMUM STEEL DECK PROPERTIES				CONCRETE PROPERTIES		UNIT WEIGHT (PCF)	
MARK	TOTAL SLAB THICKNESS	DECK TYPE	GAGE	I in ⁴	Sp in ³	Sn in ³	Shear Stud Length
FD01	5 1/4"	2"	18	0.560	0.523	0.529	660
							3000
							115

COMPOSITE SLAB SCHEDULE NOTES:

1. SEE PLANS FOR LOCATION OF DECK MARKS.
2. PERIMETER FASTENING TO BE EQUAL TO SUPPORT FASTENING ALL AROUND.
3. ALL DECK TYPES RECEIVE 24 POUNDS OF BLENDED FIBER REINFORCEMENT PER CUBIC YARD. UNO. SIDELAPS AT 36\"/>

13 COMPOSITE SLAB SCHEDULE AND NOTES
3/4\"/>

10 STEEL COLUMN BASE PLATE AT
1" = 1'-0"

65% SUBMISSION - NOT FOR CONSTRUCTION

CONSULTANTS:		ARCHITECT/ENGINEER:		Drawing Title		Project Title		Project Number		Office of Construction and Facilities Management			
CANNONDESIGN		TOLMAN ENGINEERING, PLLC		STEEL DETAILS		CLC OUTDOOR LIVING SPACE		528A7-14-710					
2170 Whitehaven Road Grand Island, NY 14072, (716) 773-6800		3610 LAWSON ROAD JAMESTOWN, NEW YORK 14701 PHONE: (716) 484 - 1366 FAX: (716) 484 - 1519		Approved: Project Director		Location SYRACUSE VAMC		Building Number 1		Drawing Number S0501			
Revisions:		Date		Date		Checked JRB		Drawn JPR		Dwg x of x		Department of Veterans Affairs	