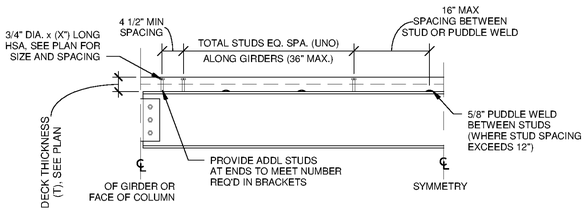
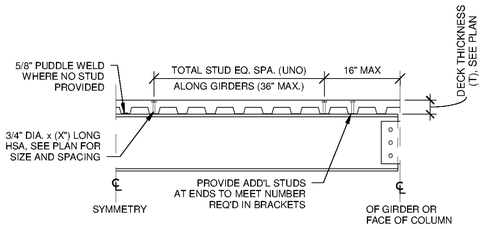


DECK PARALLEL

NOTES:

1. THE MIN NUMBER OF STUDS REQUIRED IS SHOWN AS [X] ON THE FRAMING PLANS. [X-Y-Z] INDICATES NUMBER OF STUDS ON A GIRDER BETWEEN BEAM CONNECTION POINTS. NO STUDS ARE REQUIRED WHERE NO DESIGNATION IS GIVEN. ADDITIONAL STUDS MAY BE REQUIRED TO MEET THE ABOVE MAX SPACING REQUIREMENTS.
2. WHERE THE NUMBER OF STUDS EXCEED THE NUMBER OF FLUTES, PROVIDE TWO STUDS IN EVERY OTHER FLUTE, STARTING AT EACH END OF THE BEAM. THE TRANSVERSE SPACING BETWEEN STUDS IN A SINGLE FLUTE SHALL BE 4 x STUD DIAMETER (MIN)
3. NO HAND WELDING STUDS TO STEEL BEAMS SHALL BE PERMITTED. SEE GENERAL NOTES.
4. TURN NATURAL BEAM CAMBER UP.

1 COMPOSITE BEAM - PARALLEL DECK
SCALE: 3/4" = 1'-0"

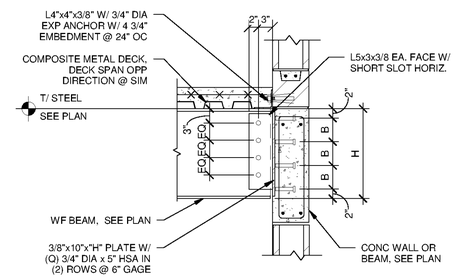


DECK PERPENDICULAR

NOTES:

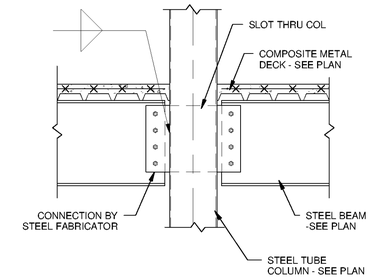
1. THE MIN NUMBER OF STUDS REQUIRED IS SHOWN AS [X] ON THE FRAMING PLANS. [X-Y-Z] INDICATES NUMBER OF STUDS ON A GIRDER BETWEEN BEAM CONNECTION POINTS. NO STUDS ARE REQUIRED WHERE NO DESIGNATION IS GIVEN. ADDITIONAL STUDS MAY BE REQUIRED TO MEET THE ABOVE MAX SPACING REQUIREMENTS.
2. WHERE THE NUMBER OF STUDS EXCEED THE NUMBER OF FLUTES, PROVIDE TWO STUDS IN EVERY OTHER FLUTE, STARTING AT EACH END OF THE BEAM. THE TRANSVERSE SPACING BETWEEN STUDS IN A SINGLE FLUTE SHALL BE 4 x STUD DIAMETER (MIN)
3. NO HAND WELDING STUDS TO STEEL BEAMS SHALL BE PERMITTED. SEE GENERAL NOTES.
4. TURN NATURAL BEAM CAMBER UP.
5. IF NO STUDS ARE PROVIDED ON STEEL BEAMS FASTEN DECK W/ 5/8" PUDDLE WELDS @ 12" O/C.

2 COMPOSITE BEAM - PERPENDICULAR DECK
SCALE: 3/4" = 1'-0"

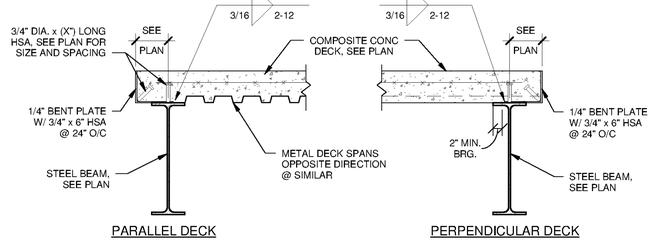


WF BEAM SIZE	EMBED PLATE MARK	EMBED THICKNESS "T"	EMBED LENGTH "H"	STUD SPACING "B"	BOLT QTY
W10	EB-8	1/2	1'-7"	4"	8
W12	EB-8	1/2	1'-7"	4"	8
W14	EB-8	1/2	1'-7"	4"	8
W16	EB-8	1/2	1'-7"	4"	8
W21	EB-3	5/8	2'-0"	4"	10
W24	EB-3	5/8	2'-5"	4"	12
W27	EB-9	5/8	2'-10"	4"	14

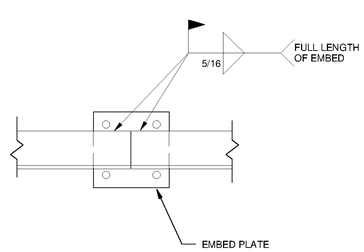
3 BEAM TO EMBED W/ COMPOSITE DECK
SCALE: 3/4" = 1'-0"



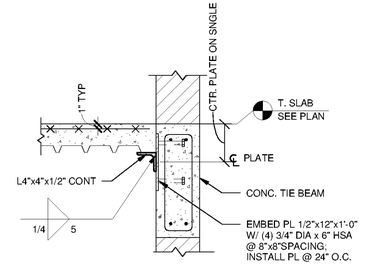
4 BEAM TO COLUMN CONNECTION
SCALE: 3/4" = 1'-0"



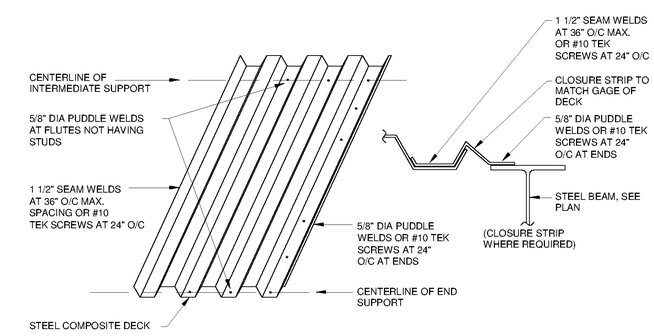
5 SLAB EDGE DETAIL
SCALE: 3/4" = 1'-0"



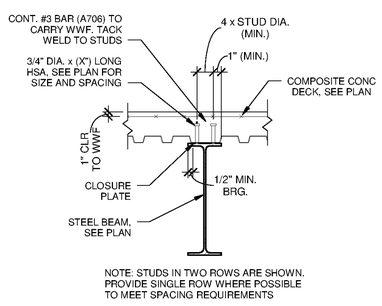
6 TYPICAL DECK ANGLE SPLICE
SCALE: 1" = 1'-0"



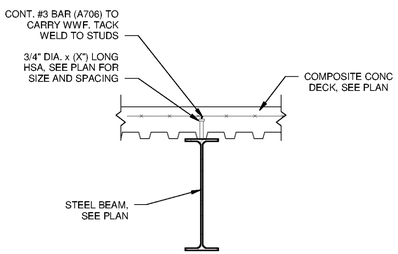
7 DECK PARALLEL TO WALL
SCALE: 3/4" = 1'-0"



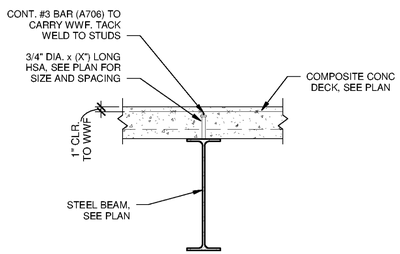
9 COMPOSITE DECK ATTACHMENT
SCALE: 3/4" = 1'-0"



10 COMPOSITE BEAM DETAIL
SCALE: 3/4" = 1'-0"



11 COMPOSITE BEAM DETAIL
SCALE: 3/4" = 1'-0"



12 COMPOSITE BEAM DETAIL
SCALE: 3/4" = 1'-0"

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HUNTSVILLE, ALABAMA 35806
PHONE: (256) 424-4077 FAX: (256) 424-4097

BID SET

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 30159-E CHRISTOPHER D. CLEMAN
10/9/14

MARK	DATE	DESCRIPTION	BY

HUNTSVILLE UTILITIES
SOUTHEAST WATER TREATMENT PLANT
STANDARD STRUCTURAL DETAILS - STEEL FRAMING

Project No.:	200-11740-10003
Designed By:	JLB
Drawn By:	JG
Checked By:	CDC

S-9507

Copyright: Tetra Tech

Bar Measures 1 inch

10/1/2014 3:36:54 PM C:\Users\brent.fox\Documents\WTP-11740-S-STDDTL_brent.fox.rvt