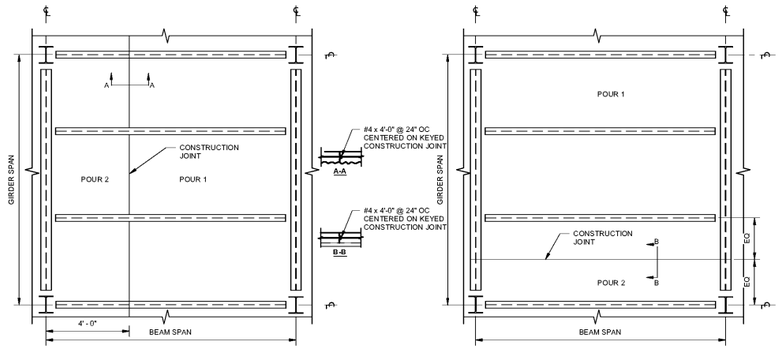
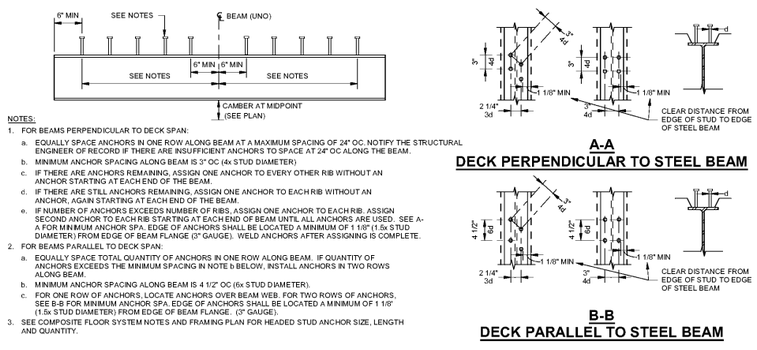


COMPOSITE FRAMING CONSTRUCTION JOINT LOCATION

SCALE: 3/8" = 1'-0"

1 S7.1



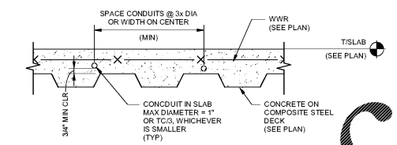
NOTES:

1. FOR BEAMS PERPENDICULAR TO DECK SPAN:
   a. EQUALLY SPACE ANCHORS IN ONE ROW ALONG BEAM AT A MAXIMUM SPACING OF 24" OC. NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF THERE ARE INSUFFICIENT ANCHORS TO SPACE AT 24" OC ALONG THE BEAM.
   b. MINIMUM ANCHOR SPACING ALONG BEAM IS 3" OC (4x STUD DIAMETER)
   c. IF THERE ARE ANCHORS REMAINING, ASSIGN ONE ANCHOR TO EVERY OTHER RIB WITHOUT AN ANCHOR STARTING AT EACH END OF THE BEAM.
   d. IF THERE ARE STILL ANCHORS REMAINING, ASSIGN ONE ANCHOR TO EACH RIB WITHOUT AN ANCHOR, AGAIN STARTING AT EACH END OF THE BEAM.
   e. IF NUMBER OF ANCHORS EXCEEDS NUMBER OF RIBS, ASSIGN ONE ANCHOR TO EACH RIB. ASSIGN SECOND ANCHOR TO EACH RIB STARTING AT EACH END OF BEAM UNTIL ALL ANCHORS ARE USED. SEE A-A FOR MINIMUM ANCHOR SPA. EDGE OF ANCHORS SHALL BE LOCATED A MINIMUM OF 1 1/8" (1.5x STUD DIAMETER) FROM EDGE OF BEAM FLANGE (3" GAUGE). WELD ANCHORS AFTER ASSIGNING IS COMPLETE.
2. FOR BEAMS PARALLEL TO DECK SPAN:
   a. EQUALLY SPACE TOTAL QUANTITY OF ANCHORS IN ONE ROW ALONG BEAM. IF QUANTITY OF ANCHORS EXCEEDS THE MINIMUM SPACING IN NOTE b BELOW, INSTALL ANCHORS IN TWO ROWS ALONG BEAM.
   b. MINIMUM ANCHOR SPACING ALONG BEAM IS 4 1/2" OC (6x STUD DIAMETER).
   c. FOR ONE ROW OF ANCHORS, LOCATE ANCHORS OVER BEAM WEB. FOR TWO ROWS OF ANCHORS, SEE B-B FOR MINIMUM ANCHOR SPA. EDGE OF ANCHORS SHALL BE LOCATED A MINIMUM OF 1 1/8" (1.5x STUD DIAMETER) FROM EDGE OF BEAM FLANGE. (3" GAUGE).
3. SEE COMPOSITE FLOOR SYSTEM NOTES AND FRAMING PLAN FOR HEADED STUD ANCHOR SIZE, LENGTH AND QUANTITY.

DISTRIBUTED HEADED STUD ANCHOR PLACEMENT

SCALE: 1" = 1'-0"

2 S7.1



TYPICAL CONDUIT IN DECK SLAB

SCALE: 1/2" = 1'-0"

3 S7.1

NOTES:

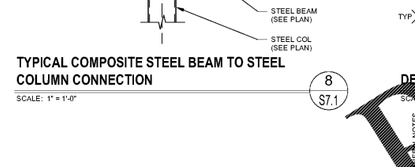
1.) CONDUITS SHALL NOT BE ALLOWED TO CROSS OVER EACH OTHER

2.) SEE ARCH FOR FIRE RATING REQUIREMENTS WHEN RUNNING CONDUITS INSIDE DECK SLAB

3.) IF HEADED STUD ANCHORS ARE PRESENT, 1" CLEAR SHOULD BE MAINTAINED FROM CONDUITS

4.) ALUMINUM CONDUIT IS NOT PERMITTED

5.) INCREASE MINIMUM CLEAR ABOVE CONDUIT TO 1 1/2" FOR [illegible] SLABS



MULTIPLE SLEEVES IN SINGLE OPENING

NOTES:

1. REINFORCING SHALL EXTEND 2'-0" MINIMUM PAST EACH SIDE OF OPENING.
2. ALL OPENINGS TO BE REVEWED AND APPROVED BY EOR. ADDITIONAL FRAMING MAY BE REQUIRED.

ISOLATED OPENINGS

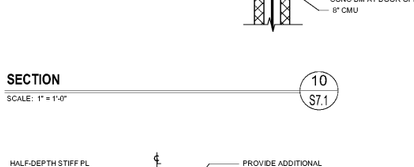
NOTES:

1. REINFORCING SHALL EXTEND 2'-0" MINIMUM PAST EACH SIDE OF OPENING.

COMPOSITE SLAB PIPE PENETRATION

SCALE: 1" = 1'-0"

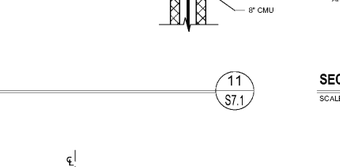
4 S7.1



TYPICAL COMPOSITE STEEL BEAM

SCALE: 1" = 1'-0"

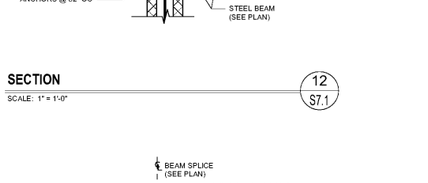
S7.1



TYPICAL COMPOSITE STEEL GIRDER

SCALE: 1" = 1'-0"

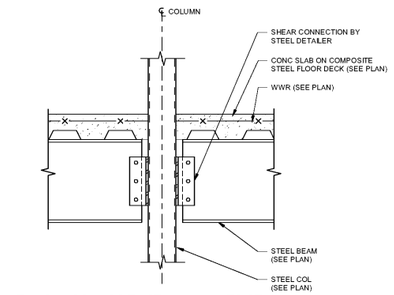
6 S7.1



EDGE OF SLAB DETAIL AT INT. CONDITIONS

SCALE: 1" = 1'-0"

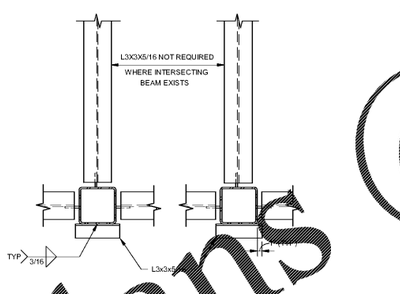
7 S7.1



TYPICAL COMPOSITE STEEL BEAM TO STEEL COLUMN CONNECTION

SCALE: 1" = 1'-0"

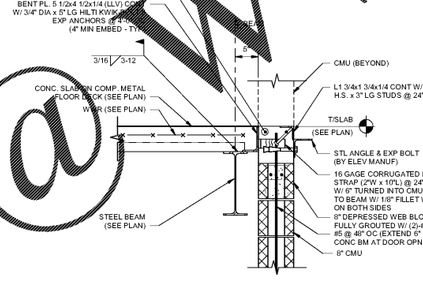
8 S7.1



DECK SUPPORT ANGLE AT PASS COLUMN

SCALE: 1" = 1'-0"

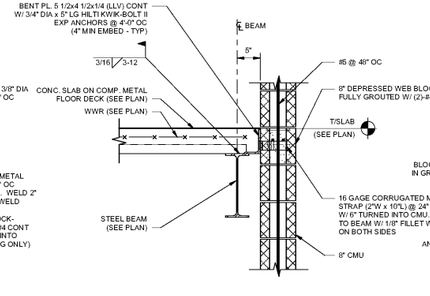
9 S7.1



SECTION

SCALE: 1" = 1'-0"

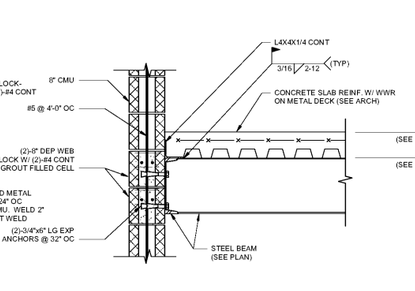
10 S7.1



SECTION

SCALE: 1" = 1'-0"

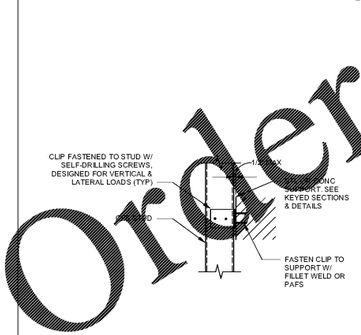
11 S7.1



SECTION

SCALE: 1" = 1'-0"

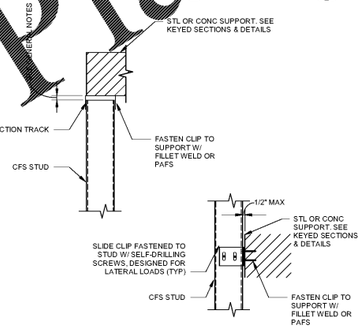
12 S7.1



TYPICAL RIGID STUD CONNECTION

SCALE: 1" = 1'-0"

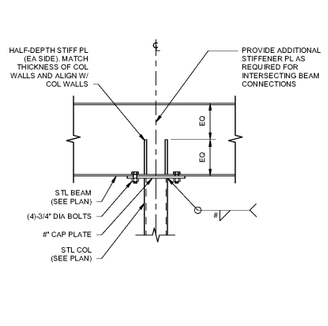
13 S7.1



TYP VERT DEFLECTION STUD CONNECTIONS

SCALE: 1" = 1'-0"

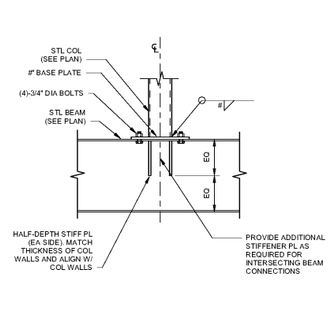
14 S7.1



TYP CONT BEAM TO COLUMN CONNECTIONS

SCALE: 1" = 1'-0"

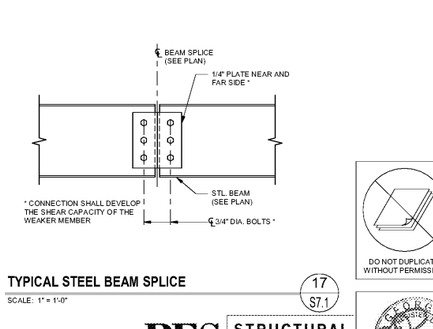
15 S7.1



TYPICAL TRANSFER BEAM CONNECTIONS

SCALE: 1" = 1'-0"

16 S7.1



TYPICAL STEEL BEAM SPLICE

SCALE: 1" = 1'-0"

17 S7.1

DO NOT DUPLICATE WITHOUT PERMISSION

DRAWING ISSUE RECORD

DATE:	REVISIONS:	NO.
11-1-18	ISSUED TO BID	

HARMONY LEADENDAY REPLACEMENT ELEMENTARY SCHOOL

6326 FACTORY SHOALS RD. SW
FOR COBB COUNTY SCHOOL DISTRICT
COBB COUNTY, GA
CCSD PROJECT NO. A004 / DOE FACILITY CODE

CK. BY RMS
DWG. BY TJL
JOB NO. SHL-DDD-18
DATE JULY 18, 2018

cunningham forehand matthews & moore, architects, inc. - 2011 manchester street, n.e. - atlanta, georgia 30324 - phone (404) 873-2152

PES STRUCTURAL ENGINEERS
ADDRESS 1852 Century Place NE, Suite 201, Atlanta, Georgia 30345
PHONE 770.457.5803 FAX 770.457.9989 WEB www.pesengineers.com
PES PROJECT NUMBER:0218161

GEORGIA 24723 REGISTERED PROFESSIONAL ENGINEER

11/01/2018

S7.1