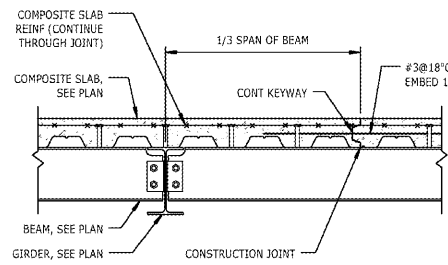
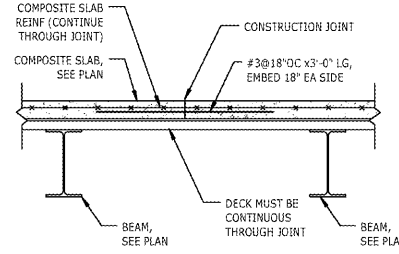


PLAN



SECTION A-A
(TYPE 1 JOINT)



SECTION B-B
(TYPE 2 JOINT)

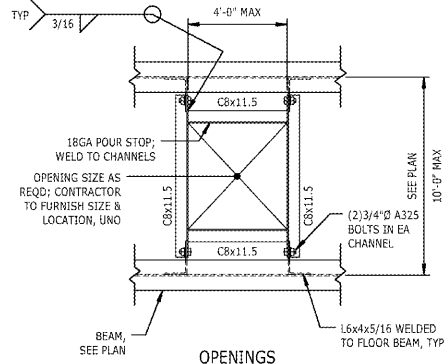
2 DETAIL

SS.0 TYPICAL CONSTRUCTION JOINTS IN COMPOSITE DECK

NTS

NOTES:

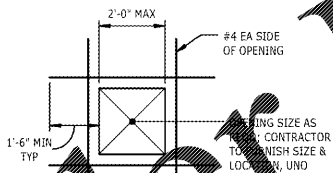
- CONTRACTOR SHALL SUBMIT LOCATION OF ALL CONSTRUCTION JOINTS FOR APPROVAL PRIOR TO CONSTRUCTION AND FABRICATION.



OPENINGS
2'-0" TO 4'-0"

NOTES:

- PROVIDE CHANNEL FRAMING AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS. FOR OPENINGS LARGER THAN 2'-0"x2'-0" (OR 24"Ø).
- OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
- MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 1'-0".
- OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.



OPENINGS
10" TO 2'-0"

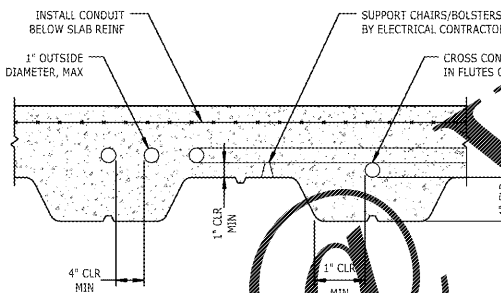
NOTES:

- PROVIDE REINFORCING CHANNELS AROUND ALL DUCT PENETRATIONS, CHASES, ELECTRICAL BOXES, PLUMBING PIPES, AND OTHER OPENINGS IN SLABS. FOR OPENINGS FROM 10"x10" (OR 10"Ø) TO 2'-0"x2'-0" (OR 24"Ø).
- OPENINGS THAT ARE SPACED CLOSER THAN (2) TIMES THE OPENING SIZE SHALL BE CONSIDERED ONE OPENING.
- MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 2'-0".
- ALL OPENINGS 10" TO 2'-0" MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS.
- OPENINGS GREATER THAN 2'-0" NOT SHOWN ON STRUCTURAL DRAWINGS REQUIRE APPROVAL BY THE ENGINEER OF RECORD.

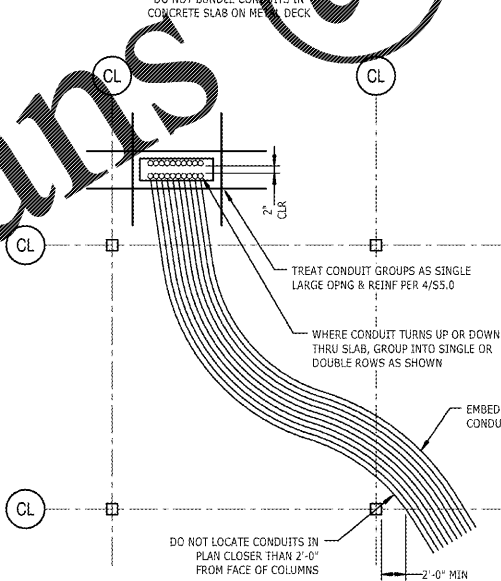
4 DETAIL

SS.0 TYPICAL FRAMING AROUND SLAB OPENINGS

NTS



SLAB ON METAL DECK
DO NOT BUNDLE CONDUITS IN CONCRETE SLAB ON METAL DECK

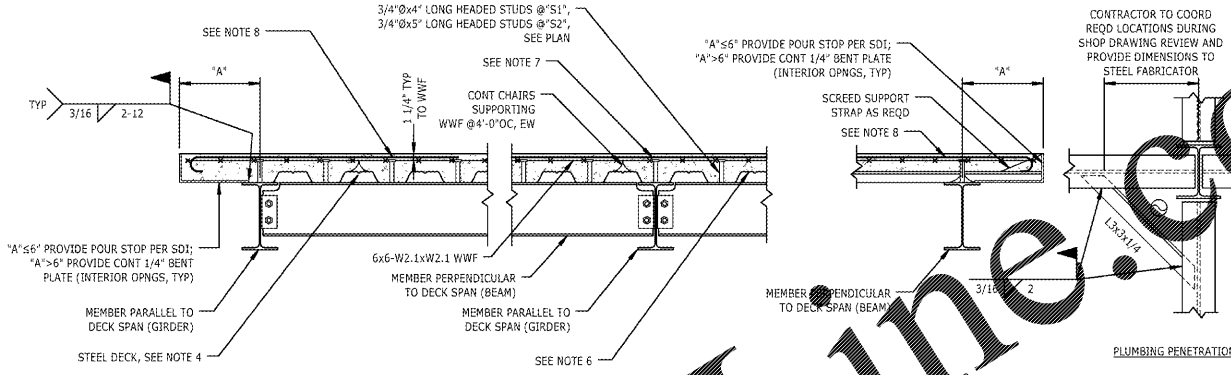


SLAB PLAN

3 DETAIL

SS.0 CONDUIT WITHIN CONCRETE SLABS

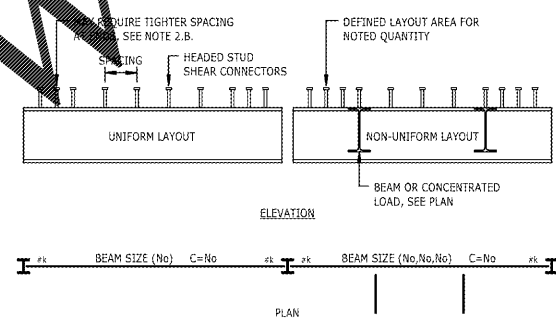
NTS



COMPOSITE FLOOR CONSTRUCTION DETAIL

NOTES:

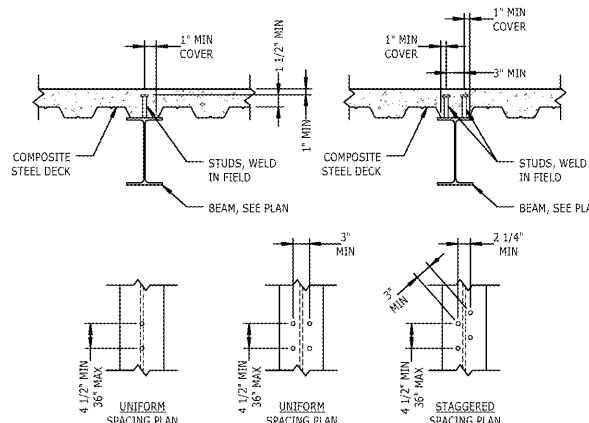
- THIS DETAIL APPLIES TO DECK SUPPORTED COMPOSITE SLABS, AS INDICATED ON PLANS.
- WELD DECK TO SUPPORTS PER FLOOR DECKING ATTACHMENT DETAIL.
- SUPPORT DECK AROUND COLUMNS WITH COLUMN CLOSURE WHERE PLUMBING PIPES ARE ADJACENT TO COLUMNS, PROVIDE ANGLES TO SUPPORT DECK PER PLUMBING PENETRATION DETAIL.
- MINIMUM STEEL DECK PROPERTIES:
S1: 2" - 20 GAUGE, COMPOSITE DECK, WITH 1p=0.001 IN 4/ft, In=0.406 IN 3/ft, Sp=0.346 IN 3/ft, Sn=0.346 IN 3/ft AND Fy=50 ksi.
S2: 2" - 18 GAUGE, COMPOSITE DECK, WITH 1p=0.001 IN 4/ft, In=0.558 IN 3/ft, Sp=0.495 IN 3/ft, Sn=0.504 IN 3/ft, Fy=50 ksi.
- COMPOSITE SLABS HAVE BEEN DESIGNED AS "UNSHORED CONSTRUCTION".
- DECK SHALL BE CONTINUOUS OVER (2) OR MORE SPANS, TYP. A SINGLE SUPPORT CONDITION IS REQUIRED AND SUPPORT BEAM SPACING EXCEEDS 8'-5" FOR "S1" ONLY, CONTRACTOR SHALL SHORE AREA UNSHORED CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR FOR "S2" IN AREAS OF ADDED CONCRETE FOR SLOPE TO DRAIN.
- PROVIDE #4@12"OC x6'-0" LONG BARS CENTERED OVER ALL BEAMS RUNNING PARALLEL TO DECK SPAN. PLACE BARS OVER WWF AND PROVIDE 3/4" MINIMUM COVER. PROVIDE SUPPORT CHAIRS @4'-0"OC EACH TO ROTATE IF REQUIRED TO FIT BAR THICKNESS.
- AT INTERIOR SLAB EDGES, PROVIDE #2@12"OC x5'-0" LONG STOP BARS WITH STANDARD 180° HOOKS AT ONE END AS SHOWN WHERE DIMENSION "A" EXCEEDS 10". PROVIDE 3/4" MINIMUM COVER OVER DIMENSION "A" SHALL NOT EXCEED 2'-0" UNLESS SPECIFICALLY DETAILED OTHERWISE.
- THE CONTRACTOR SHALL ASSUME CONCRETE COVERAGES ON ELEVATED DECK POURS DUE TO MEMBER AND DECK DEFLECTIONS. UNLESS SHOWN ON PLANS, BEAMS ARE NOT CAMBERED. CONCRETE COVERAGES MAY BE CALCULATED BY THE CONTRACTOR FOR BEAM DEFLECTIONS EQUALING L/300 INCLUDING ADDITIONAL DEFLECTIONS DUE TO PONDING AND DECK DEFLECTIONS PER S.O.I.



STUD LAYOUT

NOTES:

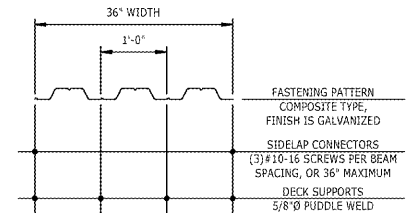
- ALL STUDS SHALL BE FIELD WELDED TO CENTERLINE OF BEAMS, UNO.
- UNIFORM LAYOUT:
A. METAL DECK IS PARALLEL WITH BEAM - UNIFORMLY SPACE ALL STUDS EQUALLY ALONG THE ENTIRE LENGTH OF BEAM. FOLLOW MAXIMUM AND MINIMUM SPACINGS NOTED.
B. METAL DECK IS PERPENDICULAR TO BEAM - TAKE THE TOTAL QUANTITY OF STUDS NOTED AND COMPARE TO THE NUMBER OF RIBS IN THE DECK. IF THE QUANTITY IS LESS THAN THE NUMBER OF RIBS, THEN LOCATE ONE STUD IN EVERY OTHER RIB ALONG THE LENGTH OF THE BEAM. THEN, STARTING AT THE SECOND RIB FROM THE END AT BOTH ENDS OF THE BEAM, LAYOUT THE REMAINING STUDS IN THE OPEN RIBS WORKING YOUR WAY TOWARD THE CENTER. YOU WILL END UP WITH A TIGHTER SPACING NEAR THE SUPPORTS. IF THE QUANTITY OF STUDS EXCEEDS THE NUMBER OF RIBS, THEN A DOUBLE ROW OF STUDS WILL BE REQUIRED NEAR THE ENDS OF THE BEAM. LOCATE ONE STUD IN EACH RIB ALONG THE LENGTH OF THE BEAM, KEEPING IN MIND THE CLEARANCES FOR A DOUBLE STUD INSTALLATION NEAR THE ENDS. THEN LOCATE THE ADDITIONAL STUDS STARTING AT THE FIRST RIB FROM THE SUPPORT AS A DOUBLE STUD INSTALLATION, WORKING YOUR WAY TOWARD THE CENTER FROM BOTH ENDS.
- NON-UNIFORM LAYOUT:
A. METAL DECK IS PARALLEL WITH BEAM - UNIFORMLY SPACE THE NOTED QUANTITY OF STUDS EQUALLY BETWEEN TWO FRAMING BEAMS OR CONCENTRATED LOADS BOUNDING THE AREA. FOLLOW MAXIMUM AND MINIMUM SPACINGS NOTED.
B. METAL DECK IS PERPENDICULAR TO BEAM - FOLLOW THE SAME PROCEDURE NOTED IN ITEM 2.B. ABOVE. HOWEVER, THE LAYOUT OF THE STUDS FOR EACH QUANTITY IS LOCATED BETWEEN TWO FRAMING BEAMS OR CONCENTRATED LOADS BOUNDING THE AREA.
- "No" INDICATES NUMBER OF SHEAR STUDS REQUIRED FOR ENTIRE BEAM LENGTH IF ONLY ONE QUANTITY IS NOTED. IF MULTIPLE QUANTITIES ARE NOTED, THEN NON-UNIFORM SPACING WILL BE REQUIRED.
- "#x" INDICATES BEAM DESIGN END REACTION IN KIPS (UNFACTORED LOADS). MINIMUM BEAM REACTION TO BE 10K UNO.
- "C-No" INDICATES REQUIRED BEAM CAMBER IN INCHES.



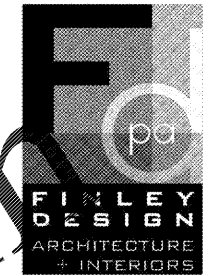
STUD CLEARANCES AND SPACING

NOTES:

- BEAM PARALLEL TO DECK CONDITION SHOWN. BEAM PERPENDICULAR TO DECK CONDITION IS SIMILAR.
- WHEN DOUBLE ROW OF STUDS IS REQUIRED, USE A STAGGERED PATTERN IF SPACING PERMITS. SEE UNIFORM AND STAGGERED SPACING PLANS.



FLOOR DECK ATTACHMENT DETAIL



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REVISIONS

NO.	DATE	DESCRIPTION

PROJECT: S16028.00
DATE: 04/06/2017
DRAWN BY: DR
CHECKED BY: DJT

TYPICAL FLOOR FRAMING SECTIONS AND DETAILS
SS.0

V:\VOLUMES\F DRIVE\FINLEY DESIGN\PROJECTS\1342 WESTPOINT 2\DRAWINGS\FILEBLOCKS\1342-X-1B.DWG

Order Plans