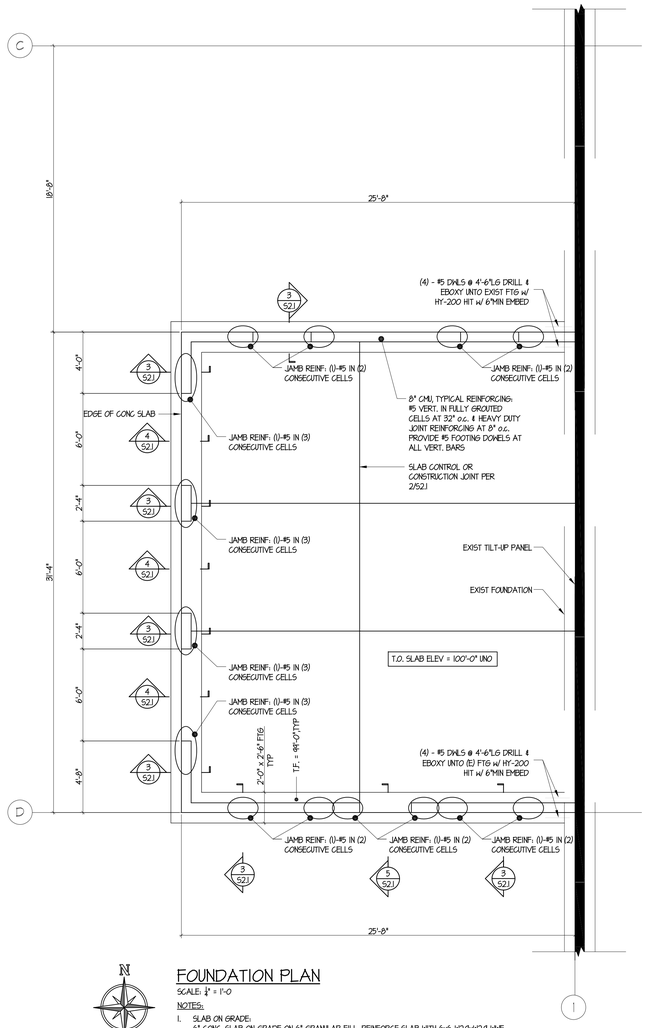
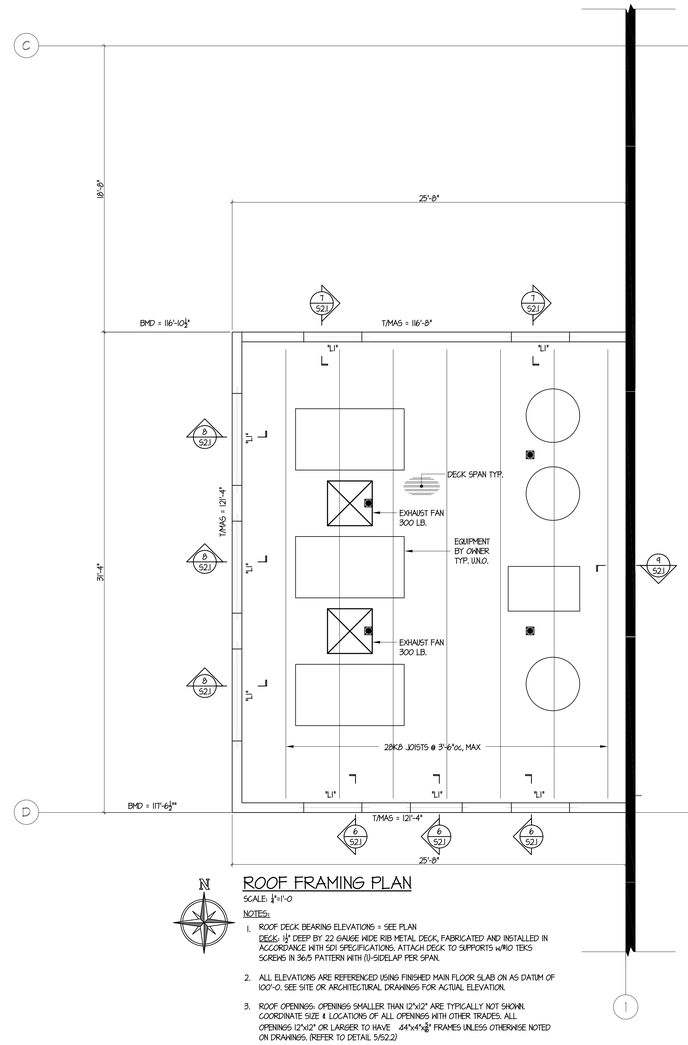


FOUNDATION PLAN

SCALE: 1/4" = 1'-0

NOTES:

1. SLAB ON GRADE:
   6" CONC. SLAB ON GRADE ON 6" GRANULAR FILL. REINFORCE SLAB WITH 6x6-W2.9xW2.9 WWF. PROVIDE VAPOR BARRIER/RETARDER (COORDINATE WITH ARCHITECT). VAPOR BARRIER/RETARDER SHALL BE PLACED BETWEEN THE CONC. SLAB & GRAVEL UNLESS OTHERWISE NOTED.
2. ALL ELEVATIONS ARE REFERENCED FROM A FINISHED FIRST FLOOR SLAB ELEVATION OF 100'-0. SEE CIVIL OR ARCHITECTURAL DRAWINGS FOR ACTUAL SITE ELEVATION.
3. SLAB CONTROL JOINT AND CONSTRUCTION JOINT MAY BE INTERCHANGED AT CONTRACTORS OPTION, UNLESS OTHERWISE NOTED. (SEE SECTION 3/S3.1)

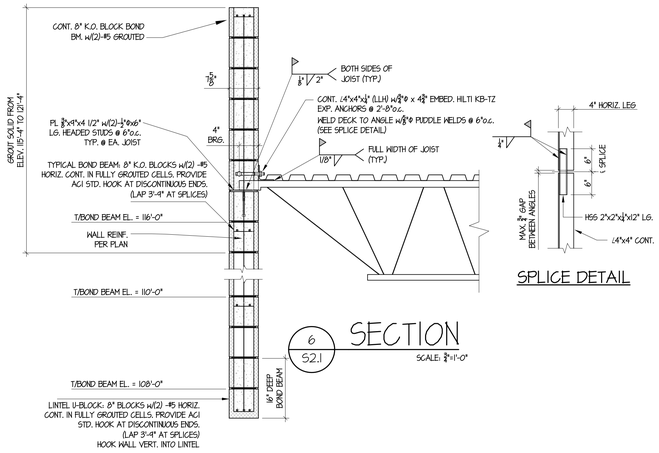


ROOF FRAMING PLAN

SCALE: 1/4"=1'-0

NOTES:

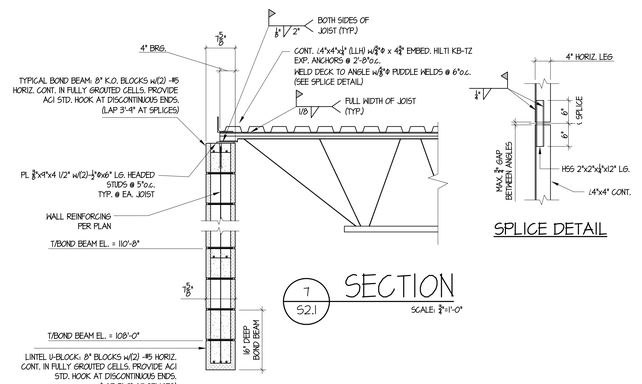
1. ROOF DECK BEARING ELEVATIONS = SEE PLAN
   DECK: 1½" DEEP BY 22 GAUGE WIDE RIB METAL DECK, FABRICATED AND INSTALLED IN ACCORDANCE WITH SDI SPECIFICATIONS. ATTACH DECK TO SUPPORTS w/#10 TEKS SCREWS IN 36/5 PATTERN WITH (1)-SIDELAP PER SPAN.
2. ALL ELEVATIONS ARE REFERENCED USING FINISHED MAIN FLOOR SLAB ON AS DATUM OF 100'-0. SEE SITE OR ARCHITECTURAL DRAWINGS FOR ACTUAL ELEVATION.
3. ROOF OPENINGS: OPENINGS SMALLER THAN 12"x12" ARE TYPICALLY NOT SHOWN. COORDINATE SIZE & LOCATIONS OF ALL OPENINGS WITH OTHER TRADES. ALL OPENINGS 12"x12" OR LARGER TO HAVE .64"x4"x¾" FRAMES UNLESS OTHERWISE NOTED ON DRAWINGS. (REFER TO DETAIL 5/S2.2)
4. DESIGN LOADS: 15 PSF DEAD LOAD + 142 PSF SNOW LOAD = 160 PSF TOTAL LOAD JOIST DESIGNER TO DESIGN JOISTS FOR EQUIPMENT LOADS SHOWN IN ADDITION TO DESIGN LOADS ABOVE. JOIST SELECTION DOES NOT INCLUDE EQUIPMENT LOADS.
5. ALL LINTELS "LI": (2) - #5 IN 16" DEEP BOND BEAMS. REINFORCING IS CONTINUOUS THROUGH WALL.
6. BMD=EL. xx'-x" ← INDICATES BOTTOM OF METAL DECK ELEV.
   (x") ← INDICATES JOIST BRG. END DEPTH (NORMAL JOIST END = 2½" U.N.O.)



SPLICE DETAIL

6 / S2.1 — SECTION

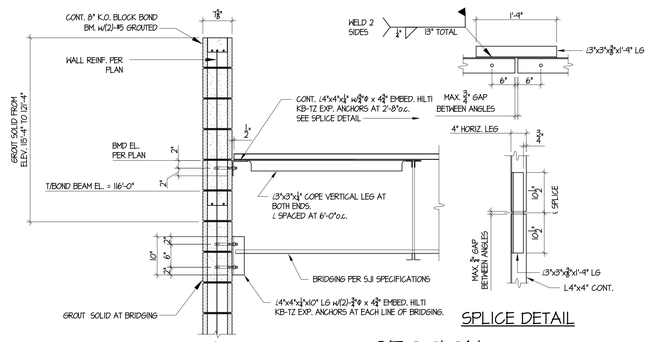
SCALE: ¾"=1'-0"



SPLICE DETAIL

7 / S2.1 — SECTION

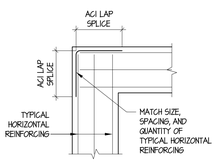
SCALE: ¾"=1'-0"



SPLICE DETAIL

8 / S2.1 — SECTION

SCALE: 3/4"=1'-0"

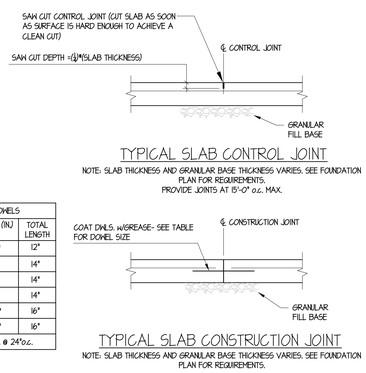


TYPICAL FOOTING CORNER

1 / S2.1 — DETAIL

SCALE: 3/4" = 1'-0"

SMOOTH DOWELS		
SLAB DEPTH	DIA. (IN)	TOTAL LENGTH
4" & 5"	⅝"	12"
6"	¾"	14"
7"	¾"	14"
8"	1"	14"
9"	1⅛"	16"
10"	1⅛"	16"
DWLS SPA. @ 24"o.c.		



TYPICAL SLAB CONTROL JOINT

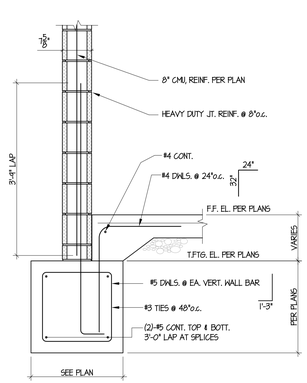
NOTE: SLAB THICKNESS AND GRANULAR BASE THICKNESS VARIES. SEE FOUNDATION PLAN FOR REQUIREMENTS. PROVIDE JOINTS AT 15'-0" o.c. MAX.

TYPICAL SLAB CONSTRUCTION JOINT

NOTE: SLAB THICKNESS AND GRANULAR BASE THICKNESS VARIES. SEE FOUNDATION PLAN FOR REQUIREMENTS.

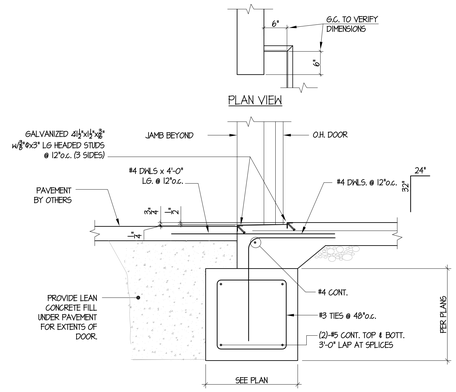
2 / S2.1 — SECTION

SCALE: 3/4" = 1'-0"



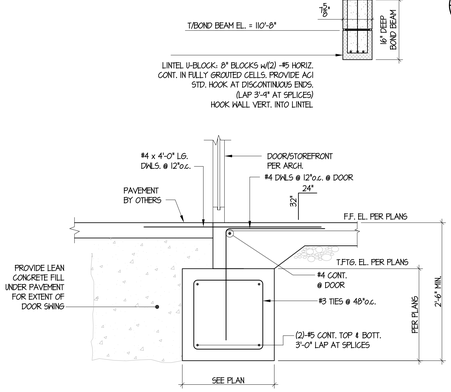
3 / S2.1 — SECTION

SCALE: 3/4" = 1'-0"



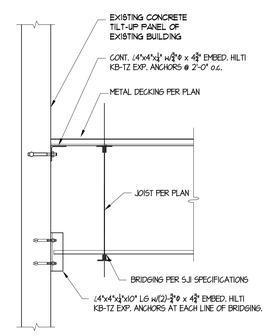
4 / S2.1 — SECTION

SCALE: 3/4" = 1'-0"



5 / S2.1 — SECTION

SCALE: 3/4" = 1'-0"



9 / S2.1 — SECTION

SCALE: 3/4" = 1'-0"

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BUILDING T-12
COMPRESSOR ROOM ADDITION AND TOILET ROOMS

45 COMMERCE DRIVE O'FALLON, MISSOURI 63366

REVISION No.	
ISSUE DATE: 10/17/16	PROJECT No. 16-1092

S2.1
PLANS & SECTIONS