

GENERAL STRUCTURAL NOTES

STRUCTURAL DESIGN DATA
 DECK LOADS: 10 PSF
 LIVE LOADS: 10 PSF
 SNOW: 50 PSF

WIND LOADS:
 IN ACCORDANCE WITH THE 1994 UBC-BASIC WIND SPEED = 70 MPH
 EXPOSURE B

SEISMIC LOADS:
 IN ACCORDANCE WITH THE UBC 1994 EDITION (ZONE 3) $S_D = 0.3$
 $I = 1.0$

STRUCTURAL STEEL DECK NOTES

1. ALL WELDS SHALL BE DESIGNED FOR THE CONDITION SHOWN ON THE DRAWINGS.
2. METAL DECK SECTION PROPERTIES SHALL BE COMPARED IN ACCORDANCE WITH AISC SPECIFICATION FOR THE DESIGN OF COOL FORMED STEEL STRUCTURAL MEMBERS.
3. ALL WELDS, INCLUDING SHALL BE FABRICATED FROM STEEL TYPE A572-4446, GRADE A HAVING A MINIMUM YIELD STRENGTH OF 44,000 PSI. ALL DECKING SHALL BE HOT-DIPPED GALVANIZED. ALL ROOF METAL DECK SHALL BE FORMED WITH TELESCOPED ENDS TO LAP ENDS OF SHEETS A MINIMUM OF 2 INCHES.
4. THE FABRICATOR/ERECTOR SHALL PROVIDE CHECKED SHOP DRAWINGS INDICATING LOCATION, GAGE AND SIZE OF EACH PIECE OF DECKING. THE DRAWINGS SHALL CLEARLY SHOW WELDING DETAILS TO STRUCTURAL FRAMING AND SOLE LAP CONNECTION DETAILS.
5. ALL WELDS, INCLUDING SHALL BE WELDED TO STRUCTURAL STEEL AT BOUNDARIES WITH A 5/8" RIB DIAMETER PUNCH WELD AT SPACING OF 12" ON CENTER. DECK END LAP ENDS SHALL BE BUTTED JOINTS AT 12" ON CENTER. 12 INCHES MINIMUM ON CENTER. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 SPECIFICATION FOR THE WELDING OF SHEET STEEL IN STRUCTURES.
6. THE METAL DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER THREE SUPPORTS. THE DESIGNER HAS ASSUMED A UNIFORM LOAD AND DEFLECTION REQUIREMENTS OF STEEL DECK INSTALLED.
7. PROVIDE CONTINUOUS SHEET METAL CLOSURES AT ALL SLAB SPINDERS AND SLAB EDGES AND CONTINUOUS DECK CLOSURE AT ALL DECK ENDS.
8. PROVIDE AS REQUIRED: ALL ROOF AND VALLEY PLATES, COLUMN FOOTINGS, AND STEPS, SUMP PLATES AT FRINGE PENETRATIONS AND RECESSED SUMP PANS AT ALL ROOF SPANS. PROVIDE SUPPLEMENTAL FRAMING AT OPENINGS AS REQUIRED FOR SUPPORT OF THE METAL DECK. ALL OPENINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

COLD FORMED METAL FRAMING NOTES

1. MATERIAL USED TO MANUFACTURE COLD FORMED METAL FRAMING SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM A446, GRADE C (F_y = 50 KSI) FOR 14 AND 16 GAUGE AND ASTM A446, GRADE A (F_y = 33 KSI) FOR 18 GAUGE AND LIGHTER.
2. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
3. ACCESSORIES: PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBER USED.
4. FASTENING OF COMPONENTS SHALL BE WITH SELF-DRAWLING SCREWS OR WELDS. SCREWS OR WELDS SHALL BE OF SUFFICIENT SIZE TO RESIST THE STRENGTH OF THE CONNECTION. WIRE TRING OR COMPONENTS SHALL NOT BE REQUIRED. SCREW FASTENERS TO TREATED WOOD SHALL BE STAINLESS STEEL. ALL WELDS SHALL BE TOUCHED UP WITH A GRAY-IRON PAINT.
5. TYPICAL JOIST SIZE SHALL BE 144A-12" x 1 1/2"

DETAILED IN CONCRETE ANCHORS LOCAL NOTES

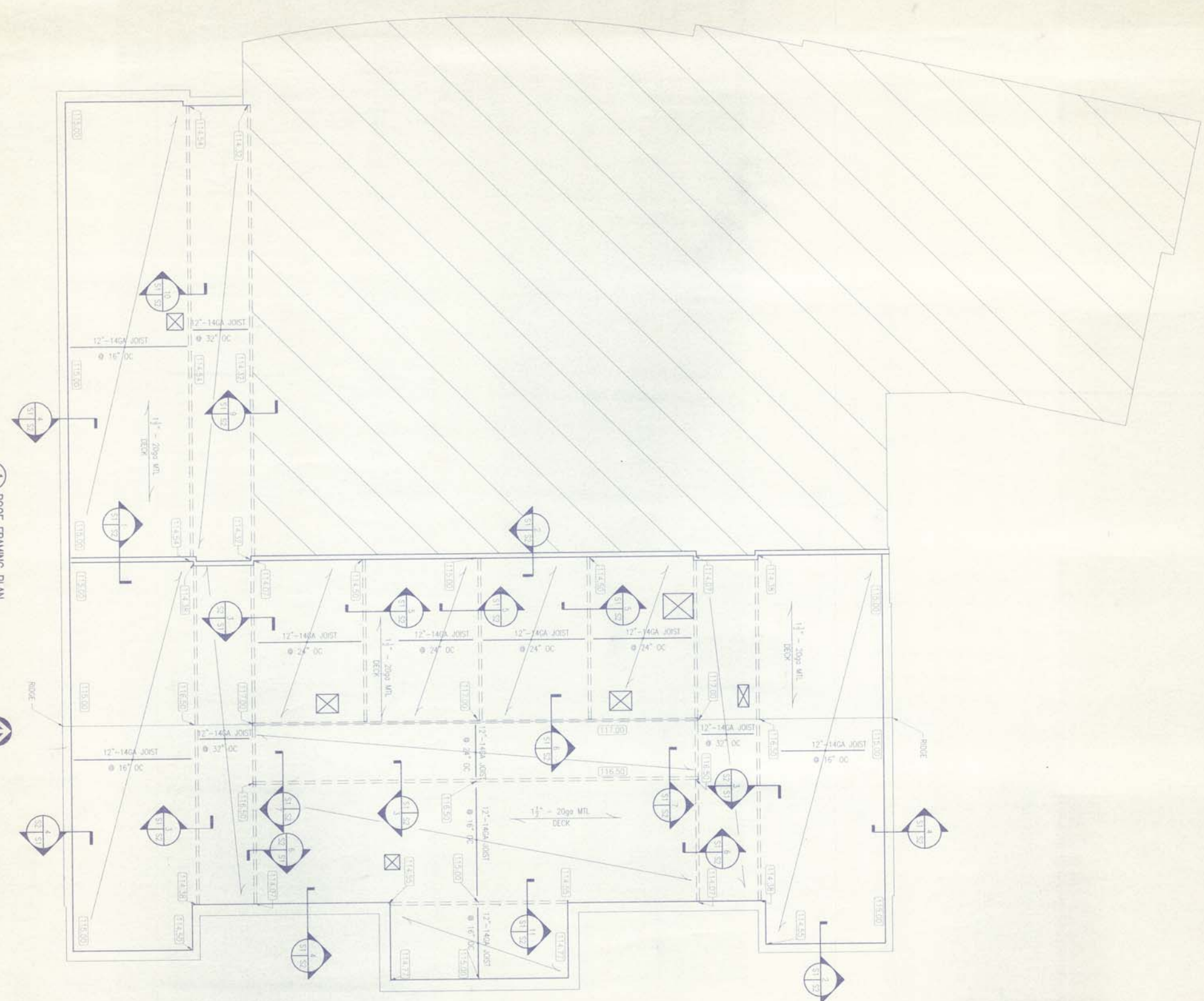
1. ACCEPTABLE DETAILED IN CONCRETE ANCHORS OF SIZE NUMBER AND SPACING AS SHOWN ON THE DRAWINGS SHALL BE AS FOLLOWS: MILD "X" BAR-BOLTS (D60 #4027), "W" ANCHOR BOLT" (D60 #1201) OR "W" BAR-BOLT-4 HEAD THROBT WEDGE ANCHORS (D60 #1275) UNLESS OTHERWISE NOTED ON DRAWINGS. SHALL BE 45 DEGREE DIAMETERS UNLESS OTHERWISE NOTED ON DRAWINGS.

POWER-ACTUATED FASTENERS

1. POWER DRIVEN FASTENERS (PWF) SHALL BE PNEUMATIC HEAD TRACK PINS #1500 OR EQUAL.

GENERAL NOTES

1. [XXXX] INDICATES ELEVATION OF BOTTOM OF W/L DECK DATUM 2ND FLOOR = 100'-00"
2. SET ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF ROOF PENETRATIONS.



1 ROOF FRAMING PLAN
 1/8" = 1'-0"