



ALL STRUCTURAL STEEL SUPPORTING COOLING TOWERS AND COOLING TOWER ENCLOSURE WALLS (INCLUDING COLUMNS, BEAMS, CONNECTION PLATES, ANCHOR BOLTS, ETC) SHALL BE HOT DIPPED GALVANIZED PER REQUIREMENTS IN SPECIFICATION 051200. TOUCH UP ALL BREAKS IN THE GALVANIZE WITH 3 LAYERS OF A ZINC RICH COLD GALVANIZE COMPOUND PER SPECIFICATION 051200.

GENERAL CONTRACTOR TO VERIFY THAT DIMENSIONS/DETAILING OF SUPPORT STRUCTURE PROVIDED FOR COOLING TOWER IS ADEQUATE FOR INSTALLATION, PERFORMANCE, AND SERVICE OF COOLING TOWERS. CONTACT ENGINEER IF ANY DIMENSIONAL/DETAILING CHANGES ARE REQUIRED.

**(F.P.B.)** = INDICATES FOLDING PARTITION BEAM PROVIDED FOR SUPPORT OF SUSPENDED FOLDING PARTITION (EITHER WON-DOOR OR ACCORDION STYLE CONNECTION TO BOTTOM OF BEAM SHALL BE DESIGN AND PROVIDED BY PARTITION SUPPLIER. GC TO COORDINATE LOCATION AND SIZE OF PUNCHED HOLE IN BOTTOM FLANGE OF BEAM (IF REQUIRED). ALL SURROUNDING FLOOR LOADING AND CEILING LOADING SHALL BE PLACED PRIOR TO PARTITION INSTALLATION.

**B.O.C.** = BEAM OVER COLUMN. WELD ALL AROUND DIRECTLY WITH 1/4" FILLET WELD AND FLARE BEVEL GROOVE WELD AS APPLICABLE.

**E.P. = ELEVATOR POSTS. PROVIDE HSS6x6x3/8 POSTS AT  
GUIDE LOCATIONS ALONG ELEVATOR SHAFT. EXACT  
NUMBER AND LOCATION OF EACH POST SHALL BE  
DETERMINED BY GENERAL CONTRACTOR BASED ON  
LOCATION OF ELEVATOR RAILS. SEE DETAIL 4/S501 FOR  
POST CONNECTION DETAILS.**

**[A] =** INDICATES SPANDREL BEAM WITH GALV. L8x4x7/16 SHELF ANGLE SHOP WELDED TO OUTSIDE FACE OF SPANDREL BEAM ALONG EXTENTS OF BRICK (RE: ARCH. SET BOTTOM OF HORIZONTAL LEG AT EL. 46'-4"). PROVIDE 2" LONG STITCH WELDS AT TOP AND BOTTOM AT 12" O.C. EXTEND AND MITER ANGLES AT CORNERS FOR CONTINUOUS SUPPORT OF BRICK VENEER.

**[B]** = WELD HSS BEAM ALL AROUND TO COLUMN ON EACH END WITH 1/4" FILLET WELD.

**[C]** = WELD HSS BEAM TO HSS BEAM ALL AROUND WITH 1/4" WELD AND FLARE BEVEL GROOVE WELD AS APPLICABLE.

[D] = INDICATES SPANDREL BEAM WITH CONT. GALV. L5x5x5/16 SHOP WELDED TO OUTSIDE FACE OF BEAM FOR SUPPORT OF WINDOW. SET TOP OF ANGLE HORIZONTAL LEG AT EL. 53'-1 1/2" WITH VERTICAL LEG POINTING DOWNWARD. SHOP WELD ANGLE TO SPANDREL BEAM WITH 2" LONG STITCH WELDS AT 12" O.C. TOP AND BOTTOM. USE FLARE BEVEL GROOVE WELD AT TOP AND 1/4" FILLET WELD AT BOTTOM.

**[E]** = SAME AS NOTE [A], EXCEPT USE GALV. L8x6x7/16 LLH IN LIEU OF GALV. L8x4x7/16 LLH.

ALL RECTANGULAR HSS MEMBERS SHALL BE ORIENTED WITH LONG SIDE VERTICAL UNLESS NOTED OTHERWISE

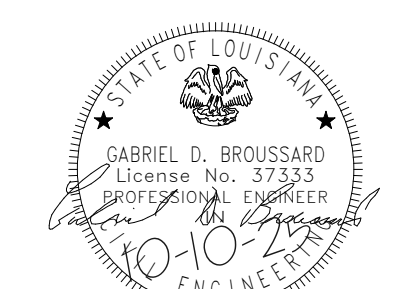
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## KEYPLAN

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FOURTH FLOOR  
SPANDREL PLAN

# S104S