



**NOTE:**

### 3 Shallow Roof Beam Connection



5 1/2" LIGHTWEIGHT CONCRETE ON 2VLI 18 GAGE  
METAL DECK. REINFORCE WITH WWF 4x4/W4x4  
CENTERED IN SLAB.

2 FORMED METAL WALL STUDS DESIGNED BY  
COLD-FORMED METAL FRAMING SUPPLIER. SEE  
DRAWINGS FOR STUD DEPTH. SEE SPECIFICATION 05  
4000 FOR MORE INFORMATION.

3 GLASS. RE ARCH.

4 CURVED TRAP BY CFMF SUPPLIER.

5 CONNECTION OF CFMF SUPPLIER.

6 CFMF KICKER BRACING AT 16" O.C. MAX. BY CFMF  
SUPPLIER.

7 COLD-FORMED METAL RIGID CONNECTION DESIGNED  
AND PROVIDED BY COLD-FORMED METAL FRAMING  
SUPPLIER. ATTACH TO STRUCTURE AS SHOWN AND  
PROTECT WITH 1/2" WELDED TRANSFERS DEAD LOAD  
AND LATERAL LOAD. THE CONNECTION SHALL BE  
DESIGNED SUCH THAT RIGID CLIP TRANSFERS MOMENT  
TO WALL STUD AND ONLY SHEAR LOAD IS  
TRANSFERRED TO THE STUD. SEE LOCATIONS  
WHERE CONNECTION IS INDICATED BY WELD OF STEEL  
BEAM. THE CONNECTION SHALL BE MADE AS CLOSE TO  
TOP FLANGE AS POSSIBLE.

8 L4x4x3/8 SHIP WELDED TO COLUMN AT TOP AND  
BOTTOM OF SPANDREL.

9 3/8" STIFFENER PLATE BOTH SIDES OF WEB.

10 STEEL COLUMN - SEE PLAN FOR SIZE.

11 HSS BEAM - SEE PLAN FOR SIZE AND ELEVATION.

12 STEEL BEAM - SEE PLAN FOR SIZE.

13 3/8" WEB PLATE CONNECTION EACH SIDE OF WEB.

14 1/2" THICK BEARING PLATE WITH 4"x3/4" DIA. A325-TC  
BOLTS.

15 3/8" STIFFENER PLATE EACH SIDE OF BEAM WEB. WELD  
BOTH SIDES CONTINUOUS WITH 1/4" FILLET WELD.

16 3/8" THICK GALL. CONNECTOR PLATE. DEPTH OF PLATE  
SHALL BE 4 1/2". FIELD WELD TO BRICK SHELF  
AND EDGE WELD WITH 1/4" FILLET WELD ALL AROUND.

17 MAJOR VENEER. RE ARCH.

18 CONT. L3 1/2x2x1/8 LHM GALL. SHELF ANGLE ALONG  
BRICK. RE ARCH. FOR EXACT DETAILS OF BRICK. FIELD  
WELD TO BRICK SHELF AND TOUCH-UP WITH  
COLD-GALVANIZED COMPOUND.

19 4"x 3-x 10" LONG (U.N.O.) ASTM A706 WELDABLE  
REBAR AT LOCATIONS INDICATED. WELD TO EDGE ANGLE  
ALL AROUND WITH 5/16" FILLET WELD. THE WWF TO  
UNDERSIDE OF EACH REBAR (TYP. ALONG ENTIRE  
FLOOR EDGE SUPPORTING BRICK).

20 CONTINUOUS EDGE MEMBER ALONG PERIMETER OF  
FLOOR. SEE TYPICAL DETAIL ON SHEET S501 FOR MORE  
INFORMATION.

21 BRICK VENEER. RE ARCH. DRAWINGS

22 (3)-#4 CONT.

23 3/4" DIA. 4"x LONG HEADED STUD AT 12" O.C. WELD  
TO BEAM WITH 1/4" FILLET WELD ALL AROUND.

24 2"x 3" WELD HORIZ. BRACE AT 12" O.C. MAX.  
WT407 5"x 5" LONG SHIP WELDED ALL AROUND TO WELD  
OF BEAM.

25 L2 1/2x2 1/2x3/16 BRACE AT 4'-0" O.C. ALONG BEAM.  
EXTEND TO TOP FLANGE OF BEAM ALONG GRIDLINE 10.  
DECREASE SPACING TO 2'-0" O.C. ALONG LENGTH OF  
BEAM WITH TEN (10) GRIDLINE X.

26 CONTINUOUS ANGLE L5x5x3/8 WITH 1/4" STIFFENER  
PLATE AT 24" O.C. SHIP WELD TO BEAM WITH 4" OF  
1/4" FILLET WELD AT 12" O.C. TOP AND BOTTOM SIDE.  
SHIP WELD AT INCOMING BEAM.

27 1/4" STIFFENER PLATE EACH SIDE OF BEAM WEB.  
WELD BOTH SIDES CONT. WITH 1/4" FILLET WELD.

28 #4 CONTINUOUS.



**NOTES:**

TOUCH-UP ALL BREAKS IN GALVANIZE OF STEEL DUE TO WELDING WITH 3 COATS OF ZINC-RICH COLD-GALVANIZE COMPOUND

**NOTE:**

### 6 3rd Floor Edge At Brick - Deck Perpendicular



**FOX NESBIT**

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