SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER | TITLE FLOOR TRUSSES - INDEX & GENERAL NOTES | DATE 1-17-69

WTCI-25-LERA

REVISIONS
2-3-69
3-3-69
3-19-69
4-1-69
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GENERAL NOTES

1. All material, including detail material to be Fy = 50 except as noted. 1½" x 5/8" Straps(Detail 12),15" & 18" channels(Detail 13) and deck support angles(Detail 12 & 16) to be Fy = 36.
2. All welding shall be accomplished using E70xx low hydrogen electrodes or other equivalent, approved welding process. Field welding shall be performed under Contract WTC-230.00.
3. All bolted connections shall be friction type connections. All bolts shall be ASTM A325 bolts except where ASTM A490 bolts are specifically called for in the drawings. Washer shall be used under both bolt head and nut at all locations with oversize or elongated holes, in accordance with the requirement of FB1, FB2 & FB3. Bolts and washers will be supplied under Contract WTC-234.00 and installed under Contract WTC-230.00.
4. All floor truss angles have long legs back to back or vertical unless noted (SV) in the drawings, in which case, short legs shall be back to back or vertical.
5. Forces in truss members are indicated thus in the drawings:
   Compression (-)
   Tension (+)
6. All 29T trusses shall be cambered to a parabolic camber. Camber diagrams 7-B7-26 indicates required camber at mid span.
7. Truss details are shown in 7-B8. See index 7-B8-1.
8. See SB-18, SB-19, SB-20 & SB-21 for location of trusses. See SB-18, SB-19, SB-20, SB-21 and this chapter of Drawing Book 7 (7-B7) for location of Details.
9. See SB-184, SB-185, SB-186 & SB-187 for Steel Deck Plans and Shear stud location and number. Steel deck shall be furnished under Contract WTC-222.00 and installed under Contract WTC-230.00. Shear studs shall bs furnished and installed under Contract WTC-230.00
10. Seats for trusses at core perimeter are shown in Drawing Book 6 and furnished under Contract WTC-226.00. Seats for trusses at the exterior wall are shown in Drawing Book 4 and furnished under Contract WTC-214.00.
11. Work lines for diagonal and vertical web members shall be the applicable X or Y dimension shown in the AISC Manual, Sixth Edition, rounded to the nearest 1/16 inch, except that where a specific work line is dimensioned in the Drawings, the dimensioned work line shall be used.

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