SKILLING HELLE CHRISTIANSEN ROBERTSON — Structural & Civil Engineers

PROJECT: THE WORLD TRADE CENTER | TITLE: FLOOR TRUSSES INDEX & GENERAL NOTES | DATE: 10-20-67

REVISIONS:
- 3-6-68
- 1-26-68
- 2-15-68
- 4-1-68
- 1-3-69
- 1-6-69
- 2-3-69
- 3-3-69
- 4-1-69
- Printed 5-1-69

7-AB1-1	Floor Trusses Index & General Notes
7-AB1-2	Floor Truss 32T1
7-AB1-3	Floor Truss 32T2
7-AB1-4	Floor Truss 32T7
7-AB1-5	Floor Truss 32T8
7-AB1-6	Floor Truss 32T3
7-AB1-7	Floor Truss 32T9
7-AB1-8	Floor Truss 32T10
7-AB1-9	Floor Truss 32T11
7-AB1-10	Floor Truss 32T4
7-AB1-11	Floor Truss 32T5 & 32T12
7-AB1-12	Floor Truss 32T13, 32T6
7-AB1-13	Floor Truss 32T14
7-AB1-14	Floor Truss 32T15
7-AB1-15	Floor Truss 32T16
7-AB1-16	Floor Truss 32T17
7-AB1-17	Floor Truss 32T18
7-AB1-18	Floor Truss 32T19
7-AB1-19	Floor Truss 32T20
7-AB1-20	Floor Truss 32T21
7-AB1-21	Floor Truss 32T22
7-AB1-22	Floor Truss 32T23, 32T24
7-AB1-23	Floor Truss 32T25, 32T26
7-AB1-24	Floor Truss 32T27
7-AB1-25	Floor Truss 32T28
7-AB1-26	Floor Truss 32T29
7-AB1-27	Floor Truss 32T30
7-AB1-28	Floor Truss 32T31
7-AB1-29	Floor Truss 32T32
7-AB1-30	Floor Truss 32T33
7-AB1-31	Floor Truss 32T34
7-AB1-32	Floor Truss 32T36
7-AB1-33	Floor Truss 32T37
7-AB1-34	Floor Truss 32T38
7-AB1-35	Floor Truss 32T39
7-AB1-36	Floor Truss 32T40
7-AB1-44	Floor Truss 32T49
7-AB1-45	Floor Truss 32T50
7-AB1-46	Floor Truss 32T51
7-AB1-47	Floor Truss 32T52
7-AB1-48	Floor Truss 32T53, 32T35
7-AB1-52	Typical Details
7-AB1-53	Typical Details
7-AB1-54	Floor Trusses - Cambers
7-AB1-55	Floor Trusses - Section A-A & B-B

GENERAL NOTES:

1. All material, including detail material not shown on these drawings to be Fy = 50 unless otherwise noted.

2. All floor truss angles have short legs vertical.

3. Horizontal shear forces between truss panel points and the composite concrete slab are indicated [ ] in the truss elevations. Where no shear force is given, the connection shall be proportioned for a force of 7 Kips (7). See Drawing 7-AB2-1 for additional notes for additional shear forces at trusses C32 and 24T.

4. Shear transfer connections and devices shall be proportioned for the indicated horizontal shear force [ ] acting simultaneously with the horizontal shear force requirements indicated in the drawings for 24T trusses. Such connections and devices shall be proportioned for shear forces from C32 & 24T trusses of both positive sign and of negative sign.

5. Contractor shall supply representative calculations and/or test results for each connection proportioned by the Contractor. All connections, details and the like are subject to approval by the Engineer.

6. End reactions of each truss are indicated in truss elevations as "R = ". Where no force is given, end connections shall be proportioned for a minimum reaction of 9 Kips (R = 9).

7. Truss shear, indicating minimum requirements for each truss web member, is tabulated across the bottom of the truss elevations. Where no shear is given, web members and their connections shall be proportioned for a minimum shear of 4.5 Kips.

8. All 32T trusses shall be cambered to a parabolic camber symmetrical about mid-span. Camber diagrams indicate required camber at mid-span.

9. Chord stresses are indicated in truss elevations as "P = ". Where no force is given each truss chord splice connection shall be proportioned for a minimum force of 23 Kips (P = 23).

Vertical shear forces between adjacent panels are indicated in truss elevations as "V = ". Where no force is given, shear transfer connection shall be proportioned for a minimum force of 5 Kips (V = 5). Connections shall be proportioned for a shear force of both positive sign and negative sign.

LESLIE E. ROBERTSON — LICENSED PROFESSIONAL ENGINEER — No. 34360 — STATE OF NEW YORK