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

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

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GENERAL NOTES

1. All material, including detail material not shown on these dwgs., 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 5 Kips ([5]). See Dwg. 7-AB1-1 for additional notes for additional shear forces.

4. See Dwg. 7-AB1-1 for notes regarding the joint occurrence of longitudinal and transverse horizontal shear force.

5. 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).

6. Vertical shear forces between adjacent panels are indicated in truss elevations are "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.

7. 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.

8. 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).

9. 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 2.2 Kips.