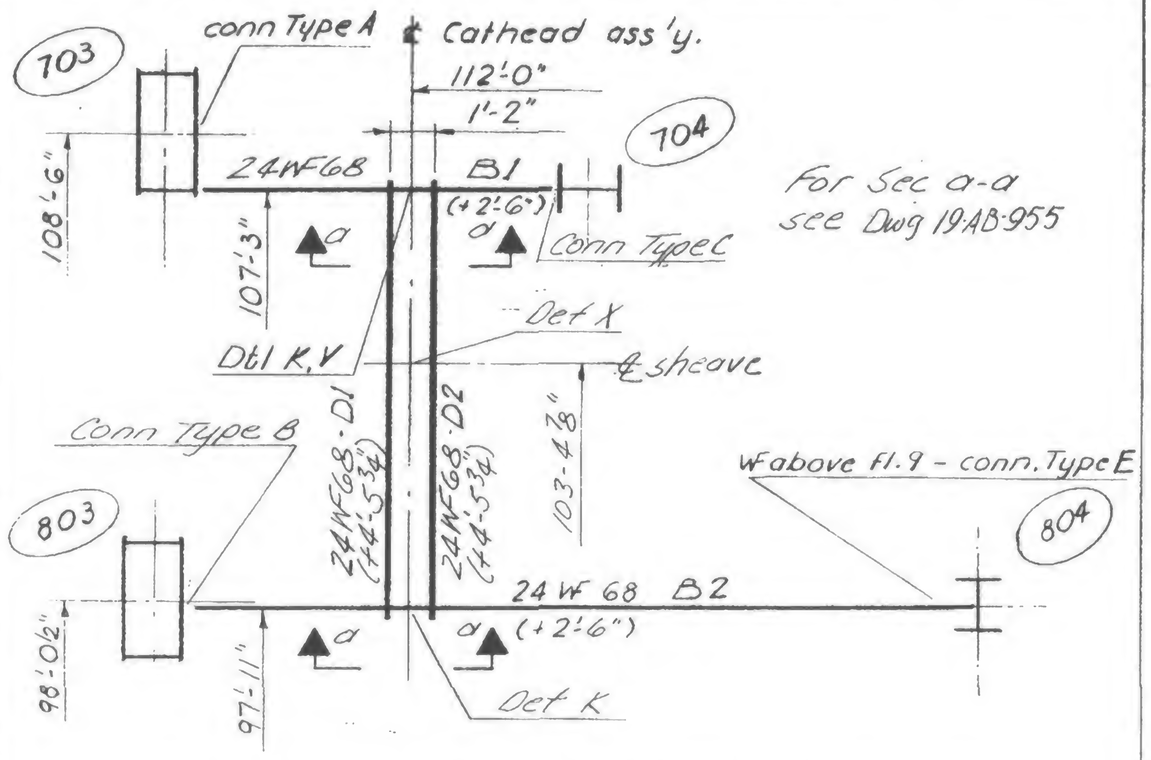
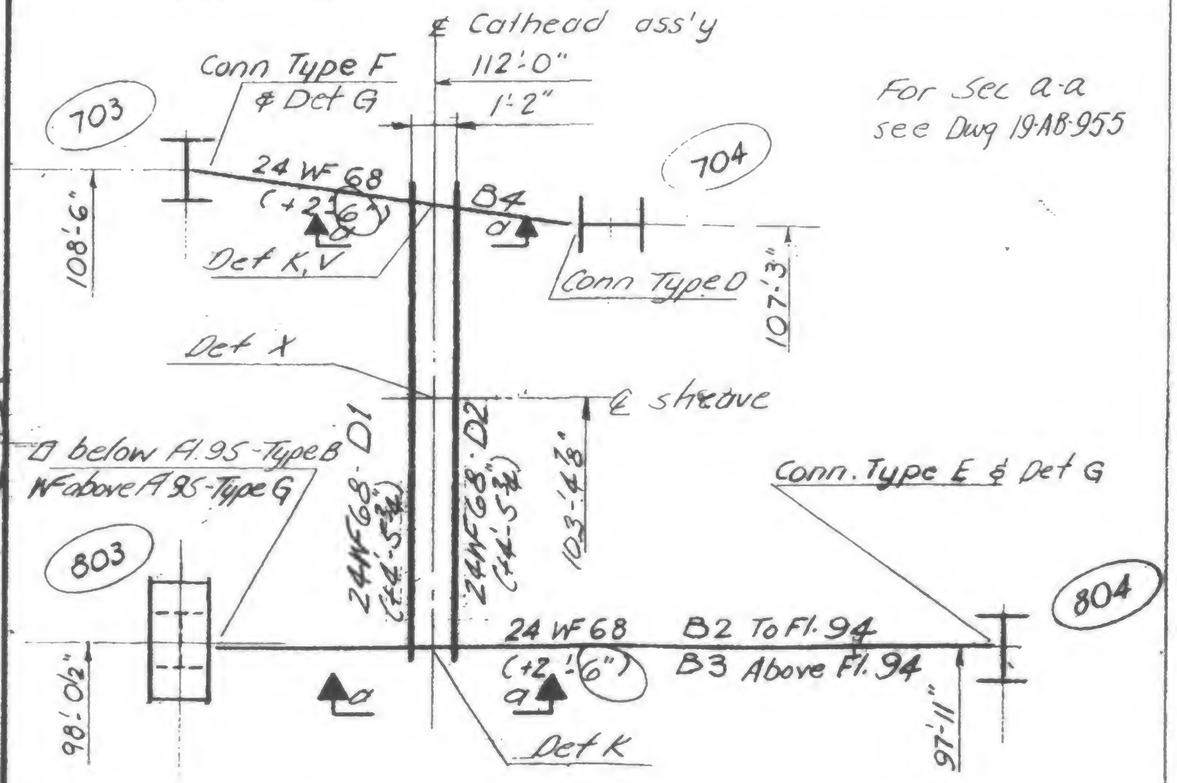
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON — Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER | TITLE CONCRETE HOIST CATHEAD SUPPORTS | DATE 5-12-69

REVISIONS
5-21-69
8-11-69
12-7-70



PLAN - FRAMING FLOOR 75 & BELOW



PLAN - FRAMING ABOVE FLOOR 75 to 105

Notes:

1. Beams and column connections shall be provided as shown at locations given in Schedule, 19-AB-954
2. Beams shall be re-used at all support levels, as shown in schematic elevation, 19-AB-952, and Schedule, 19-AB-954 & 19-AB-951.2
3. Where the beam length increases above Fl. 75 and 95, the same basic support beam may be extended as shown in Detail (G). A single set of 2-18 [members may be used for each beam, with bolt hole patterns corresponding to each extension length required.
4. Provide slotted holes as shown in Schedule and Details, 19-AB-954 & 955
5. All vertical welds at column connections shall be returned ¾" at top.
6. All bolts shall be ASTM A325, friction type, fully tensioned at each level.
7. Connections at box column faces, WF column flanges and web connections projecting beyond the column flanges shall be removed immediately after the support is no longer needed. Removal of connections may be performed by cutting "T" or angles at the toe of the fillet of the outstanding leg, or by cutting the connection weld. Any cutting or gouging of permanent members shall be repaired by filling with weld metal and grinding smooth.
8. For conn. dtls, see Dwgs 19-AB-951, 954, 955, 956

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DESIGNED

DRAWN F. Smith

REVIEWED

19-AB-951 (1)