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

PROJECT THE TRONCO TRADE CENTER — THIS DRAWING PLATE GIRDER — DATE 5-1-68

REVISIONS
7-19-68
1-3-69

J-5/18 — 10 WF 49, Fy-36 strut, south to col. J74-1

J-5/19 — 14 WF 500 (See col. sch.)

J-5/20

El. 281'-5"
2-1"ϕ H.S. bolts
1" Fill Pl

13/16 Base Pl

Detail 2 12-JK2-74

6" Slab

3/4"ϕ bolts

C.P.

El. 281'-6½"

5/16" Pl, Fy=36

15 x 1½ Pl stiff, Fy=42 (4 req'd)

Detail 1 (sim.)

Fit to bear (Typ.)

5/8

Fin.

Detail 1 12-JK2-74

12-JK2-74 ℄ Beams

Typ. ½

8½" 8½"

9" 9"

15 x 1½ Pl stiff. Fy=42 (4 req'd)

Typ. 5/8

Fit to bear (Typ.) ½

Detail 1 (sim.)

2-1"ϕ H.S. bolts

Pl 23 x 3 x 2'-1" Fy=42

a b c d

11'-0"

19'-9"

22'-9"

8-1⅛" A490 bolts ea. side

2-Pls 12 x ½, Fy=36

7'-0"

15'-0"

Pl 23 x 3½ x 2'-1", Fy=42

14 WF 370 (See col. sch.)

End of girder 1'-0"

37'-9"

1'-0" End of girder

14 WF 61 Hanger (See col. sch.)

14 WF 550 (See col. sch.)

ELEVATION

℄ Girder

Pl 32 x 3 Fy-42

2" Pl Fy-42

Fit to bear 2'-0" at col. J-5/18 (C.P. Option)

Pl 32 x 3, Fy=42

6'-5" 5'-11" 3"

Section a-a

℄ Girder

Pl 32 x 6¾ Fy-42

2" Pl, Fy=42

Fit to bear 2'-0" at col. J-5/19 (C.P. Option)

Pl 32 x 6¾, Fy=42

6'-5" 5'-3½" 6¾"

Section b-b

℄ Girder

¾"ϕ studs @ 2'-0" c.c. at slab (3 rows)

Pl 32 x 3 Fy-42

Fit to bear 2'-0" at col. J-5/20 (C.P. option)

Pl 32 x 3, Fy=42

5'-11" 6'-5" 3"

Section c-c

Note:
1. All welds to be E 70xx
2. All bolts to be A325 friction type except as noted.
3. Col. cap Pl detail sim. to Detail 104 (10-JK2-7)

LICENSED PROFESSIONAL ENGINEER — LESLIE E. ROBERTSON — No. 54360 — UNIVERSITY OF THE STATE OF NEW YORK

DRAWN S.T.M.
REVIEWED E.L.

12-JK2-73