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

PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	DETAIL FOR SHEAR HEAD REPAIR K35/6 & K35/7	12-23-71

Revisions
5-72
6-30-72
5-4-73

4" (2 per row) - 3/4" ϕ Cinch Anchors with 3-unit threaded ring wedges to be installed before grouting.

LOOKING WEST

K35/6 K35/7

Remove this portion of shearhead

2-7±

2'-3"±

El. 294

El. 294

New cut from I8C58

New PL 15"x1"

New PL 15"x1"

6" 11"

1'-3" 16"

"Grout tight" Note 4

Steel wedges drive fit weld to maintain position.

Ea. Flange 1/2

1/2

8"ϕ hole in top PL for future pipe

1'-6"

4'-0"

(Similar)

Steel wedges drive fit weld to maintain position

3/8 1/2 ctr.

Grout

C.A.

5/16

1'-3"±

New PL 1"

3/8

New PL 14"x1"

C.P.

2'-1"±

2'-1"±

Steel wedges drive fit weld to maintain position

5/16

Remove grout

New PL 3 1/2 x 3/4 x 1'-6" each side

1'-3"±

5/16

Remove shims

Add PL 3 1/2 x 3/4 each side

Exist. pipe to remain

Existing pipe to remain

Section a-a

Section b-b

Notes:

1. All material to be fabricated from field measured dimensions.
2. All new steel to be Fy36
3. All electrodes to be E70XX
4. Grout to achieve 100% contact between plates and existing drop panel. Grout to be premixed Embeco grout mixed to flowable consistency and placed in conformance with manufactures written directions
5. Provide erection aides as required

K35/6 & K35/7

19-K-1055.1