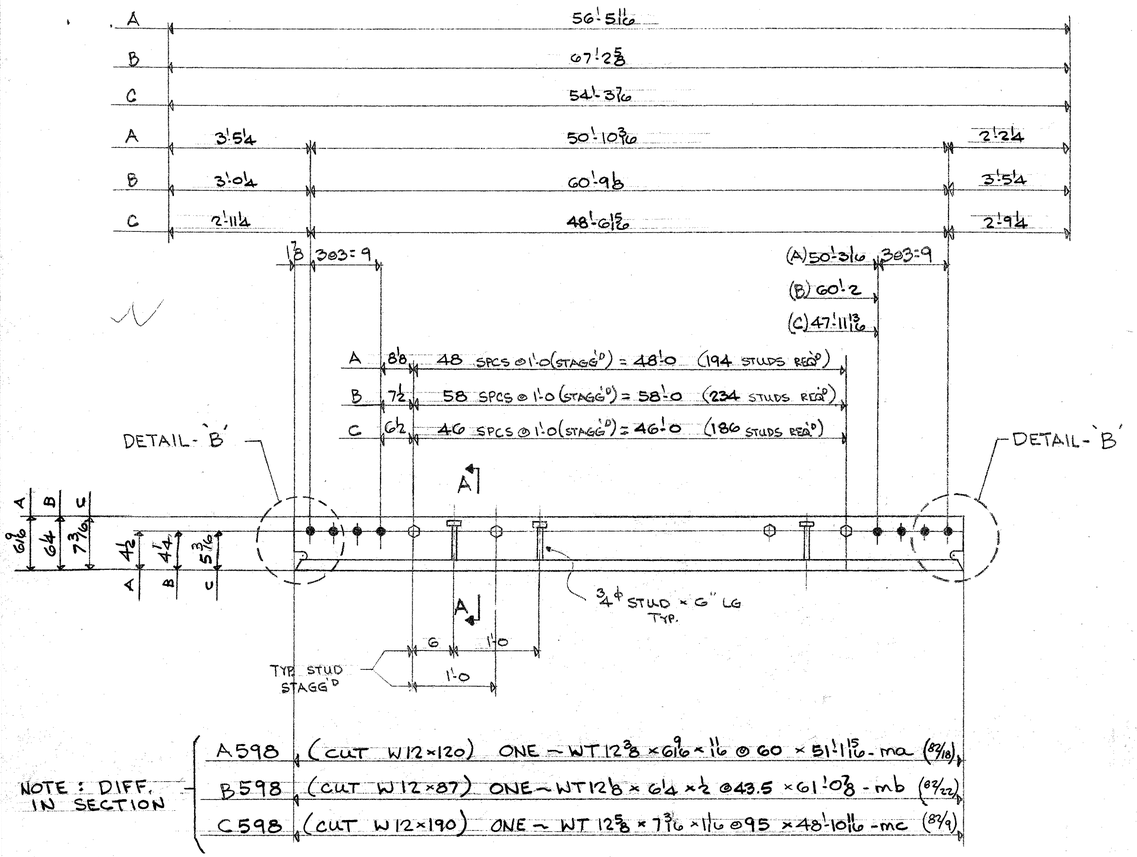
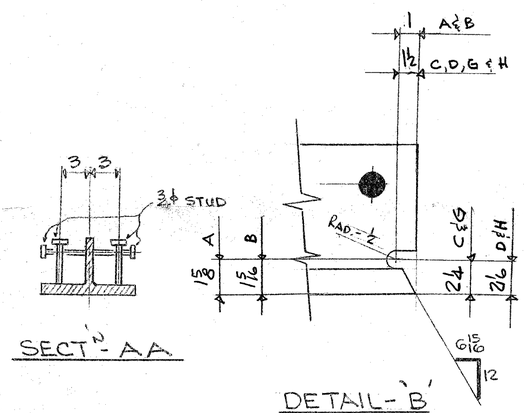
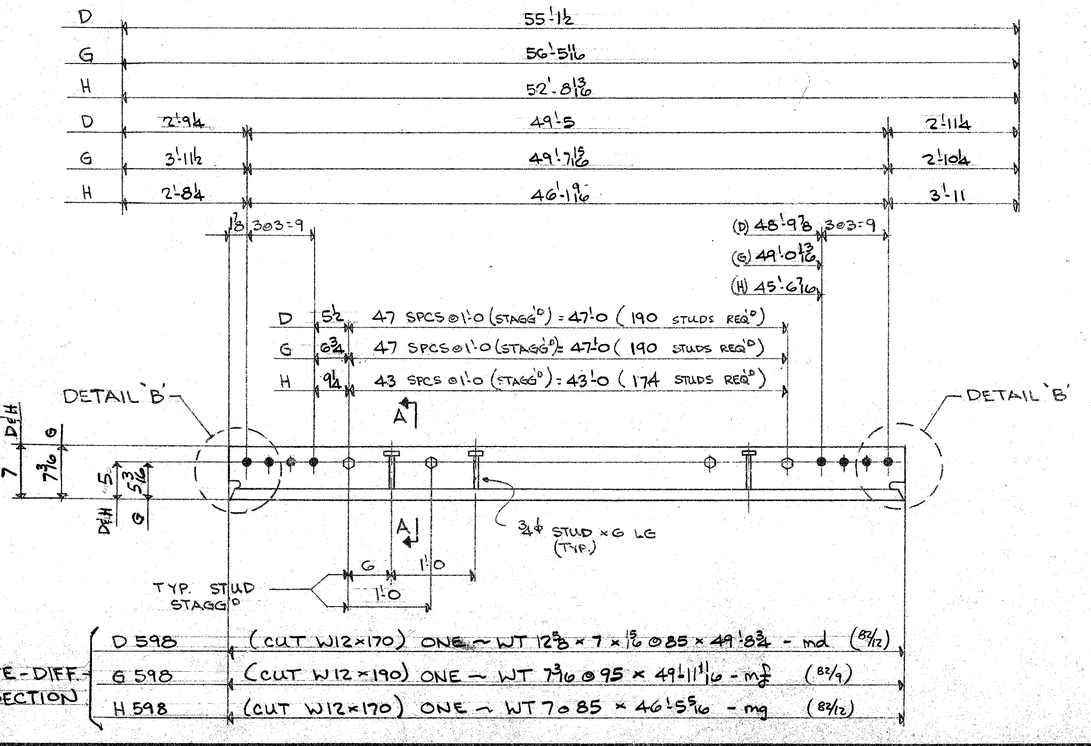



NO PAINT
WELD - E70XX
REF ~ ESA

FIELD WELD - LAYOUTS ~ 908, 959, 963, 967, 971

## BILL OF MATERIAL

| LINE | COST | COMM'X SHIP DIV'N. | PIECE MARKS MAIN MAT'L. | PIECE MARKS DETAIL MAT'L. | NO. OF PIECES | MATERIAL DESCRIPTION WIDTH PL | WIDTH Inch | WIDTH 16th | X PLATE ONLY | THK. In. | THK. 16th | GRADE CODE | DSOR | FINISHED LENGTH Feet | FINISHED LENGTH In. | FINISHED LENGTH 16th | PAGE | LINE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | | | | F001 | | | | | | | | | | | | | | | |
| 02 | | | | MA | 1 | | | | W 12 x 120 | | | A36 | 2 | 51 | 1 | 15 | 82 | 18 | CUT, TEE-PREP 2E |
| 03 | | | | | 194 | | | | SHEAR STUD 3/4 x 6 | | | | | | | | | | |
| 04 | | | | | | | | | | | | | | | | | | | |
| 05 | | 0039 | A598 | | 1 | | | | PIECE-BRACE | | | | | 51 | 1 | 15 | | | X12 INCHES |
| 06 | | | | | | | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | | | | | | | |
| 08 | | | | F001 | | | | | | | | | | | | | | | |
| 09 | | | | MB | 1 | | | | W 12 x 87 | | | A36 | 2 | 61 | 0 | 14 | 82 | 22 | CUT, TEE-PREP 2E |
| 10 | | | | | 234 | | | | SHEAR STUD 3/4 x 6 | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | 0040 | B598 | | 1 | | | | PIECE-BRACE | | | | | 61 | 0 | 14 | | | X12 INCHES |
| 13 | | | | | | | | | SHEAR STUD 3/4 x 6 | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | F001 | | | | | | | | | | | | | | | |
| 16 | | | | MC | 1 | | | | W 12 x 190 | | | A36 | 2 | 48 | 10 | 11 | 82 | 9 | CUT, TEE-PREP 2E |
| 17 | | | | | 186 | | | | SHEAR STUD 3/4 x 6 | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | 0040 | C598 | | 1 | | | | PIECE-BRACE | | | | | 48 | 10 | 11 | | | X12 INCHES |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | F001 | | | | | | | | | | | | | | | |
| 22 | | | | MD | 1 | | | | W 12 x 170 | | | A36 | 2 | 49 | 8 | 12 | 82 | 12 | CUT, TEE-PREP 2E |
| 23 | | | | | 190 | | | | SHEAR STUD 3/4 x 6 | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | 0041 | D598 | | 1 | | | | PIECE-BRACE | | | | | 49 | 8 | 12 | | | X12 INCHES |
| 26 | | | TOTAL | | | | | | TOTAL | | | | | | | | | | 1 OF 2 |
| 01 | | | | F001 | | | | | | | | | | | | | | | |
| 02 | | | | MF | 1 | | | | W 12 x 190 | | | A36 | 2 | 49 | 11 | 3 | 82 | 9 | CUT, TEE-PREP 2E |
| 03 | | | | | 190 | | | | SHEAR STUD 3/4 x 6 | | | | | | | | | | |
| 04 | | | | | | | | | | | | | | | | | | | |
| 05 | | 0041 | E598 | | 1 | | | | PIECE-BRACE | | | | | 49 | 11 | 3 | | | X12 INCHES |
| 06 | | | | | | | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | | | | | | | |
| 08 | | | | F001 | | | | | | | | | | | | | | | |
| 09 | | | | MG | 1 | | | | W 12 x 170 | | | A36 | 2 | 46 | 5 | 5 | 82 | 12 | CUT, TEE-PREP 2E |
| 10 | | | | | 174 | | | | SHEAR STUD 3/4 x 6 | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | 0041 | H598 | | 1 | | | | PIECE-BRACE | | | | | 46 | 5 | 5 | | | X12 INCHES |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
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| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | TOTAL | | 1186 | | | | TOTAL | | | | | 608 | | | | | 2 OF 2 |

Apr 23/85

| REV. | | | |
|---|---|---|---|
| 1 | DATE | BY | |
| 2 | DATE | BY | |
| 3 | DATE | BY | |

SPEC. A36 4/M
HOLES 1/16 ϕ
FINISH

**FRANKEL STEEL LIMITED**
220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2

| | | | |
|---|---|---|---|
| MADE 27 | LD | DATE APR. 85 | SQUAD F.R. |
| CHK'D. 28 | D.I. | DATE APRIL 85 | |

PROJECT: 7 WORLD TRADE CENTRE
DETAIL: HORZ. BRACES.
CONTRACT 84-15
DWG. NO. 598