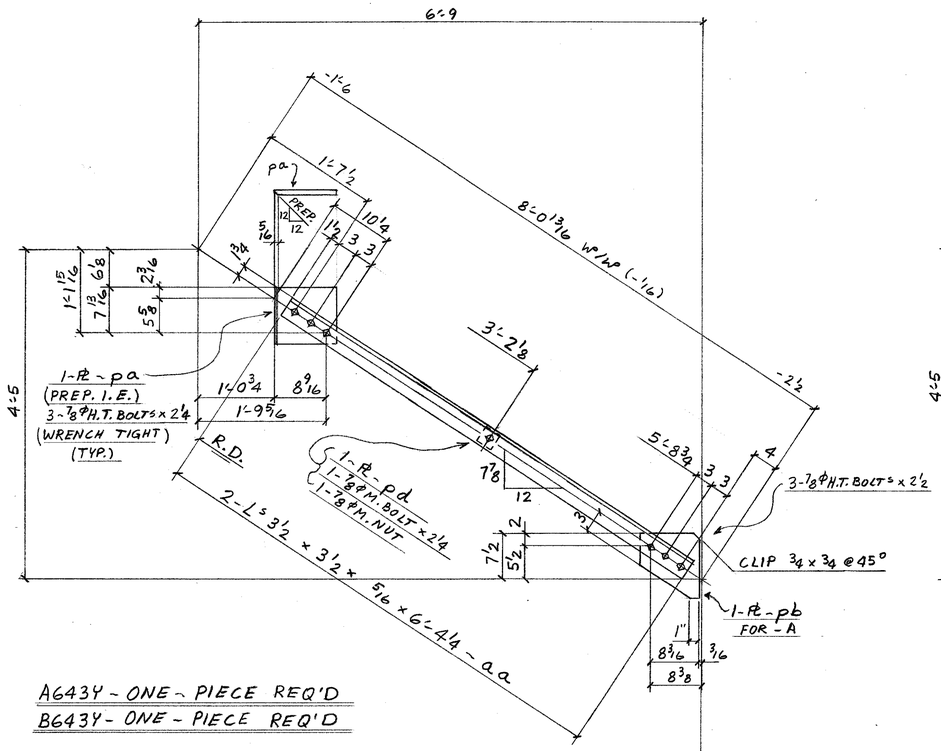
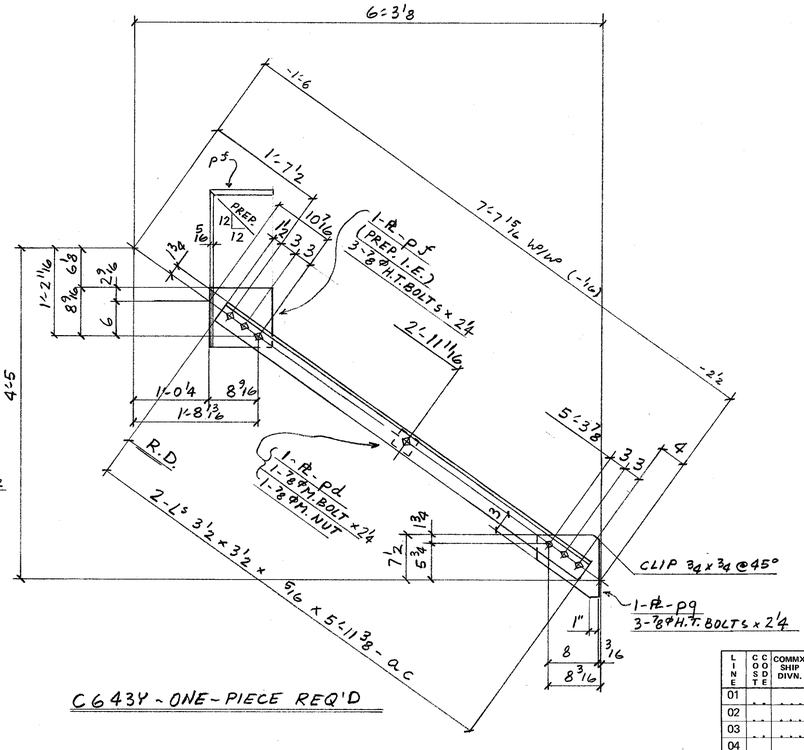
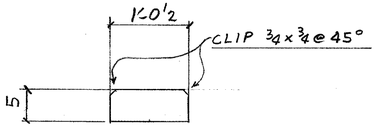


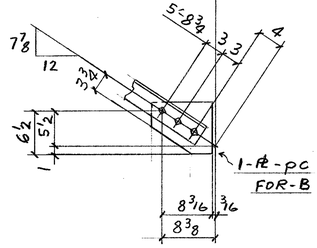

A643Y - ONE - PIECE REQ'D
B643Y - ONE - PIECE REQ'D

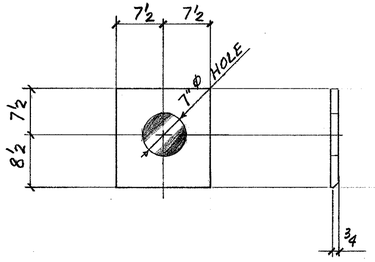



C643Y - ONE - PIECE REQ'D

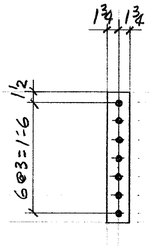



D643X - ONE - Pl 5 x 3/8 x 1'-0 1/2

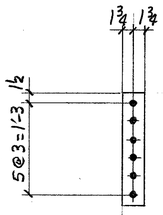



ONE - Pl 15 x 1 x 1'-4 - M643X
(A572-GR50) (FW77)




G643X - 3 - Pl 3 1/2 x 5/16 x 1'-9
(FW77)




H643X - ONE - Pl 3 1/2 x 5/16 x 1'-6
(FW77)

PLAIN MAT'L
ONE - Pl 3 3/4 x 1/4 x 3'-6 - N643X
ONE - Pl 3 3/4 x 1/4 x 4'-0 - P643X
(FW77)

## BILL OF MATERIAL

| LINE | CODE | COMMX SHIP DIVN. | PIECE MARKS MAIN MAT'L. | PIECE MARKS DETAIL MAT'L. | NO. OF PIECES | MATERIAL DESCRIPTION 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 | | | | | F003 | | | | | | | | | | | | | | |
| 02 | | | | | | | | | | | | | | | | | | | |
| 03 | | | | AA | 4 | L | 3 | 1/2 | x 3 1/2 x | 5 | /16 | 44W | | 6 | 4 | 4 | | | |
| 04 | | | | AC | 2 | | | | | | | | | 5 | 11 | 6 | | | |
| 05 | | | | PA | 2 | PI | 9 | 10 | x | 0 | 5 | | | 0 | 10 | 6 | | | PREP. 1.E. |
| 06 | | | | PB | 1 | PL | 10 | 0 | x | 0 | 5 | | | 0 | 10 | 8 | | | |
| 07 | | | | PC | 1 | PL | 8 | 0 | x | 0 | 5 | | | 0 | 10 | 0 | | | |
| 08 | | | | PD | 3 | PL | 3 | 0 | x | 0 | 5 | | | 0 | 3 | 0 | | | |
| 09 | | | | PG | 1 | PL | 9 | 8 | x | 0 | 5 | | | 0 | 10 | 4 | | | PREP. 1.E. |
| 10 | | | | PF | 1 | PL | 10 | 6 | x | 0 | 5 | | | 0 | 10 | 6 | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | 18 | HT BOLT 7/8 x 2 1/4 | | | | | | 325 | | | | | | | |
| 13 | | | | | 3 | M BOLT 7/8 x 2 1/4 | | | | | | | | | | | | | |
| 14 | | | | | 3 | M NUT 7/8 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | FW76A643Y | | 1 | PIECE - BRACE | | | | | | | | 7 | 0 | 0 | | | X 14 IN. |
| 17 | | | FW76B643Y | | 1 | | | | | | | | | 7 | 0 | 0 | | | |
| 18 | | | FW76C643Y | | 1 | | | | | | | | | 6 | 8 | 0 | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | MARK | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | FW76D643X | | 1 | PI | 5 | 0 | x | 0 | 6 | 44W | | 1 | 0 | 8 | | | |
| 23 | | | FW77G643X | | 3 | PL | 3 | 8 | x | 0 | 5 | | | 1 | 9 | 0 | | | |
| 24 | | | FW77H643X | | 1 | PL | 3 | 8 | x | 0 | 5 | | | 1 | 6 | 0 | | | |
| 25 | | | FW77M643X | | 1 | PL | 15 | 0 | x | 1 | 0 | A572GR50 | | 1 | 4 | 0 | | | STOCK |
| 26 | | | TOTAL | | | TOTAL | | | | | | | | | | | | | 1-OF-2 |
| 01 | | | | | | | | | | | | | | | | | | | |
| 02 | | | | | | | | | | | | | | | | | | | |
| 03 | | | | | | | | | | | | | | | | | | | |
| 04 | | | | | | PLAIN | | | | | | | | | | | | | |
| 05 | | | | | | | | | | | | | | | | | | | |
| 06 | | | FW77N643X | | 1 | PI | 3 | 12 | x | 0 | 4 | 44W | | 3 | 6 | 0 | | | |
| 07 | | | FW77P643X | | 1 | PL | 3 | 12 | x | 0 | 4 | | | 4 | 0 | 0 | | | |
| 08 | | | | | | | | | | | | | | | | | | | |
| 09 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
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| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | TOTAL | | 53 | TOTAL | | | | | | | | 42 | | | | | 2-OF-2 |

June 26/85

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

SPEC. AS NOTED
HOLES 15/16ϕ
FINISH NONE

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

| MADE 27 | DATE JUNE 19/85 | SQUAD |
|---|---|---|
| SF | | FR |
| CHK'D. 28 WEM | DATE JUN 20/85 | |

PROJECT: 7 WORLD TRADE CENTER
DETAIL: BRACE LS & PLS (FW76 & FW77)

CONTRACT 84-15
DWG.No. 643

IMPERIAL
IMPERIAL