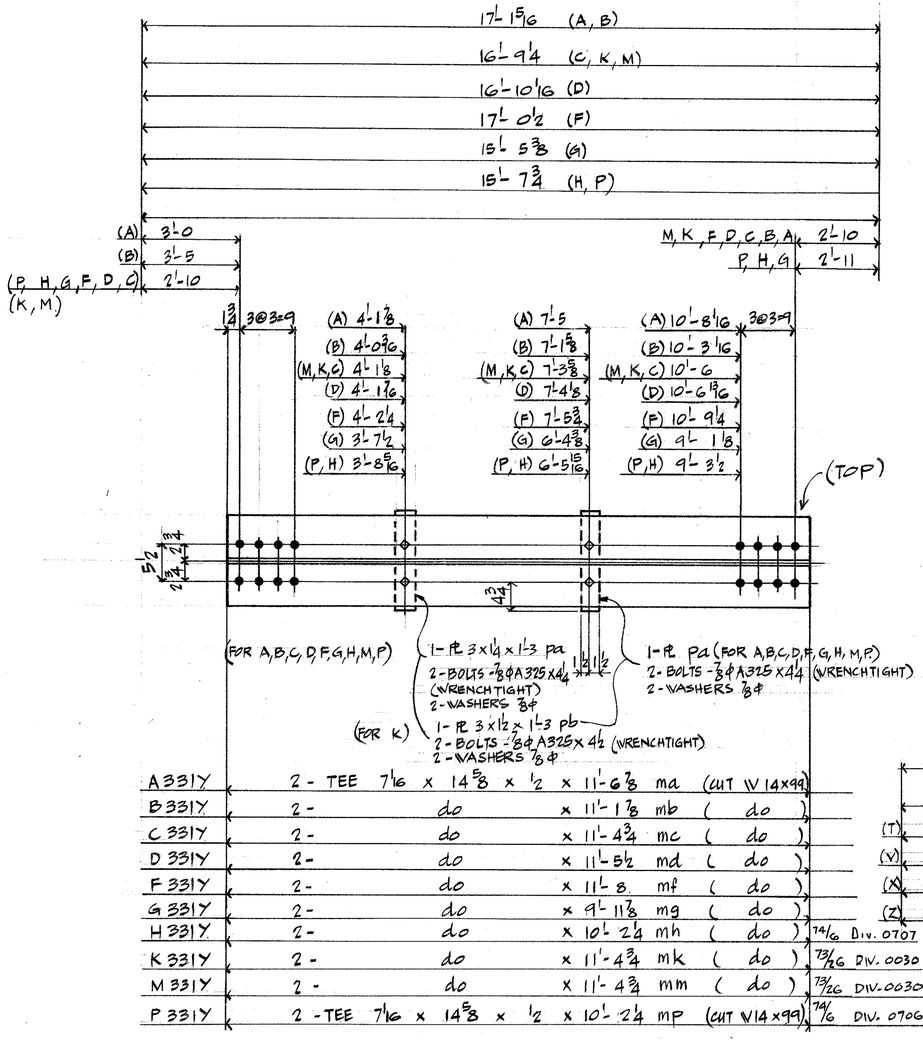
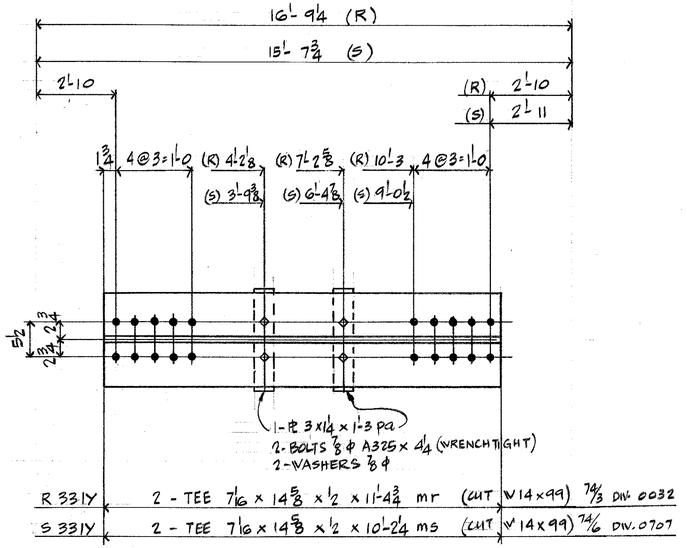


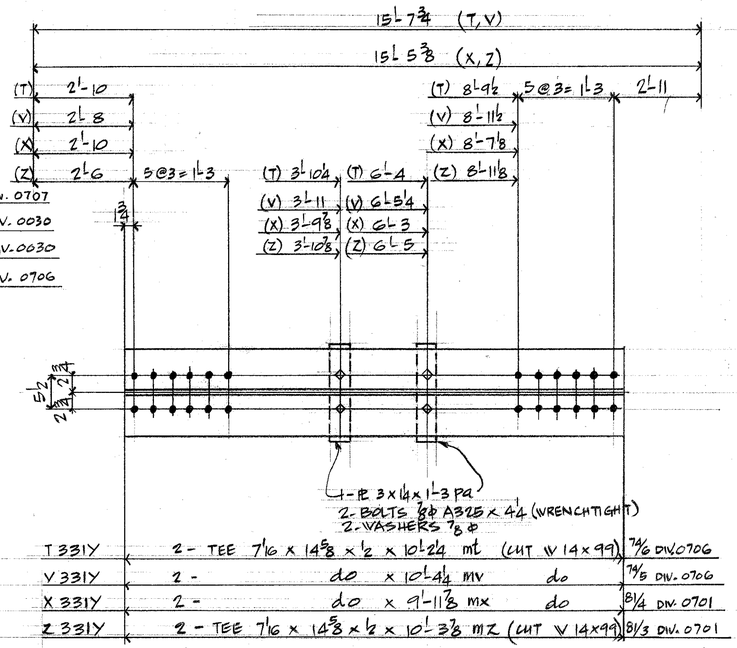

| | | |
|---|---|---|
| A 331Y | 2 - TEE 7/16 x 14 5/8 x 1/2 x 11'-6 7/8 ma | (CUT W 14 x 99) |
| B 331Y | 2 - do x 11'-1 7/8 mb | ( do ) |
| C 331Y | 2 - do x 11'-4 3/4 mc | ( do ) |
| D 331Y | 2 - do x 11'-5 1/2 md | ( do ) |
| F 331Y | 2 - do x 11'-8 mf | ( do ) |
| G 331Y | 2 - do x 9'-11 7/8 mg | ( do ) |
| H 331Y | 2 - do x 10'-2 1/4 mh | ( do ) 74/6 DIV. 0707 |
| K 331Y | 2 - do x 11'-4 3/4 mk | ( do ) 73/26 DIV. 0030 |
| M 331Y | 2 - do x 11'-4 3/4 mm | ( do ) 73/26 DIV. 0030 |
| P 331Y | 2 - TEE 7/16 x 14 5/8 x 1/2 x 10'-2 1/4 mp | (CUT W 14 x 99) 74/6 DIV. 0706 |

4 - PIECES - A 331Y
2 - PIECES - B 331Y
3 - PIECES - C 331Y
4 - PIECES - D 331Y
ONE - PIECE - F 331Y
ONE - PIECE - G 331Y
2 - PIECES - H 331Y
2 - PIECES - K 331Y
2 - PIECES - M 331Y
ONE - PIECE - P 331Y




| | | |
|---|---|---|
| R 331Y | 2 - TEE 7/16 x 14 5/8 x 1/2 x 11'-4 3/4 mr | (CUT W 14 x 99) 74/3 DIV. 0032 |
| S 331Y | 2 - TEE 7/16 x 14 5/8 x 1/2 x 10'-2 1/4 ms | (CUT W 14 x 99) 74/6 DIV. 0707 |

ONE - PIECE - R 331Y
2 - PIECES - S 331Y




| | | |
|---|---|---|
| T 331Y | 2 - TEE 7/16 x 14 5/8 x 1/2 x 10'-2 1/4 mt | (CUT W 14 x 99) 74/6 DIV. 0706 |
| V 331Y | 2 - do x 10'-4 1/4 mv | do 74/6 DIV. 0706 |
| X 331Y | 2 - do x 9'-11 7/8 mx | do 81/4 DIV. 0701 |
| Z 331Y | 2 - TEE 7/16 x 14 5/8 x 1/2 x 10'-3 7/8 mz | (CUT W 14 x 99) 81/3 DIV. 0701 |

ONE - PIECE - T 331Y
ONE - PIECE - V 331Y
ONE - PIECE - X 331Y
ONE - PIECE - Z 331Y

DETAIL MAT'L: G40.21 - 44W
REF. DIAG: E120

## BILL OF MATERIAL

| LINE | COST | COMMX SHIP DIVN. | PIECE MARKS MAIN MAT'L. | PIECE MARKS DETAIL MAT'L. | NO. OF PIECES | MATERIAL DESCRIPTION | GRADE CODE | DOOR | FINISHED LENGTH Feet | FINISHED LENGTH In. | FINISHED LENGTH 16th | PAGE | LINE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | | | | | F004 | | | | | | | | | |
| 02 | | | | PA | 8 | PL 3 WIDTH 0 Inch 0 16th X PLATE ONLY THK. 1/4 In. | 44W | | 1 | 3 | 0 | | | |
| 03 | | | | | 16 | HT BOLT 7/8 x 4 1/4 | 325 | | | | | | | |
| 04 | | | | | 16 | HT WASHER 7/8 | 325 | | | | | | | |
| 05 | | | | MA | 4 | W 14 x 99 | A36 | | 11 | 6 | 14 | 73 | 23 | CUT 8 TEES |
| 06 | | 0027 | A331Y | | 2 | PIECE - BRACES | | | 11 | 6 | 14 | | | x 15 3/8 |
| 07 | | 0032 | A331Y | | 2 | PIECE - BRACES | | | 11 | 6 | 14 | | | x 16 3/8 |
| 08 | | | | | F007 | | | | | | | | | |
| 09 | | | | PA | 4 | PL 3 WIDTH 0 Inch 0 16th X PLATE ONLY THK. 1/4 In. | 44W | | 1 | 3 | 0 | | | |
| 10 | | | | | 8 | HT BOLT 7/8 x 4 1/4 | 325 | | | | | | | |
| 11 | | | | | 8 | HT WASHER 7/8 | 325 | | | | | | | |
| 12 | | | | MB | 2 | W 14 x 99 | A36 | | 11 | 11 | 4 | 73 | 24 | CUT 4 TEES |
| 13 | | 0030 | B331Y | | 2 | PIECE - BRACE | | | 11 | 11 | 4 | | | x 15 3/8 |
| 14 | | | | | | | | | | | | | | |
| 15 | | | | | F003 | | | | | | | | | |
| 16 | | | | PA | 6 | PL 3 WIDTH 0 Inch 1/4 X PLATE ONLY THK. | 44W | | 1 | 3 | 0 | | | |
| 17 | | | | | 12 | HT BOLT 7/8 x 4 1/4 | 325 | | | | | | | |
| 18 | | | | | 12 | HT WASHER 7/8 | 325 | | | | | | | |
| 19 | | | | MC | 3 | W 14 x 99 | A36 | | 11 | 4 | 12 | 74 | 3 | CUT 6 TEES |
| 20 | | 0027 | C331Y | | 2 | PIECE - BRACES | | | 11 | 4 | 12 | | | x 15 3/8 |
| 21 | | 0032 | C331Y | | 1 | PIECE - BRACE | | | 11 | 4 | 12 | | | x 15 3/8 |
| 22 | | | | | | | | | | | | | | |
| 23 | | | | | F004 | | | | | | | | | |
| 24 | | | | PA | 8 | PL 3 WIDTH 0 Inch 1/4 X PLATE ONLY THK. | 44W | | 1 | 3 | 0 | | | |
| 25 | | | | | 16 | HT BOLT 7/8 x 4 1/4 | 325 | | | | | | | |
| 26 | | TOTAL | | | | TOTAL | | | | | | | | 1 OF 5 |
| 01 | | | | | 16 | HT WASHER 7/8 | 325 | | | | | | | |
| 02 | | | | MD | 4 | W 14 x 99 | A36 | | 11 | 5 | 8 | 73 | 23 | CUT 8 TEES |
| 03 | | 0707 | D331Y | | 2 | PIECE - BRACES | | | 11 | 5 | 8 | | | x 15 3/8 |
| 04 | | 0706 | D331Y | | 2 | PIECE - BRACES | | | 11 | 5 | 8 | | | x 15 3/8 |
| 05 | | | | | | | | | | | | | | |
| 06 | | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | | |
| 08 | | | | | F001 | | | | | | | | | |
| 09 | | | | PA | 2 | PL 3 WIDTH 0 Inch 1/4 X PLATE ONLY THK. | 44W | | 1 | 3 | 0 | | | |
| 10 | | | | | 4 | HT BOLT 7/8 x 4 1/4 | 325 | | | | | | | |
| 11 | | | | | 4 | HT WASHER 7/8 | 325 | | | | | | | |
| 12 | | | | MF | 1 | W 14 x 99 | A36 | | 11 | 8 | 0 | 81 | 5 | CUT 2 TEES |
| 13 | | 0701 | F331Y | | 1 | PIECE - BRACE | | | 11 | 8 | 0 | | | x 15 3/8 |
| 14 | | | | | | | | | | | | | | |
| 15 | | | | | F001 | | | | | | | | | |
| 16 | | | | PA | 2 | PL 3 WIDTH 0 Inch 1/4 X PLATE ONLY THK. | 44W | | 1 | 3 | 0 | | | |
| 17 | | | | | 4 | HT BOLT 7/8 x 4 1/4 | 325 | | | | | | | |
| 18 | | | | | 4 | HT WASHER 7/8 | 325 | | | | | | | |
| 19 | | | | MG | 1 | W 14 x 99 | A36 | | 9 | 11 | 14 | 81 | 4 | CUT 2 TEES |
| 20 | | 0701 | G331Y | | 1 | PIECE - BRACE | | | 9 | 11 | 14 | | | x 15 3/8 |
| 21 | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | April 1/85 |
| 26 | | TOTAL | | | | TOTAL CONT'D. ON LOOSE BILLS | | | | | | | | 2 OF 5 |

| REV. | | | | | |
|---|---|---|---|---|---|
| 1 | DATE | BY | SPEC. | A36 | FRANKEL STEEL LIMITED |
| 2 | DATE | BY | HOLES | 1"/16" ϕ | 220 ATTWELL DRIVE, UNIT 1, REXDALE, ONTARIO M9W 5B2 |
| 3 | DATE | BY | FINISH | | |

| MADE 27 | DATE | SQUAD | PROJECT | CONTRACT | DWG.No. |
|---|---|---|---|---|---|
| I.J | JAN '85 | F. R. | 7 WORLD TRADE CENTER | 84-15 | 331 |
| CHK'D. 28 JDP | DATE MARCH 85 | | DETAIL: VERTICAL BRACING (EAST ELEV) | | |