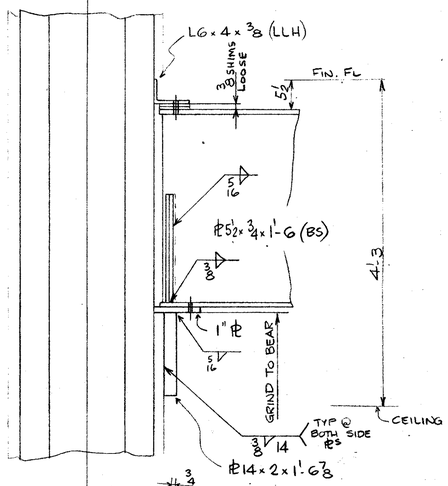




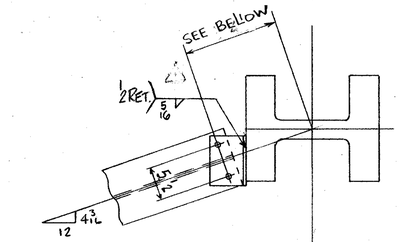
COL^M SEAT CONN @ (79) (W14 x 730 + SIDE PLS (F))

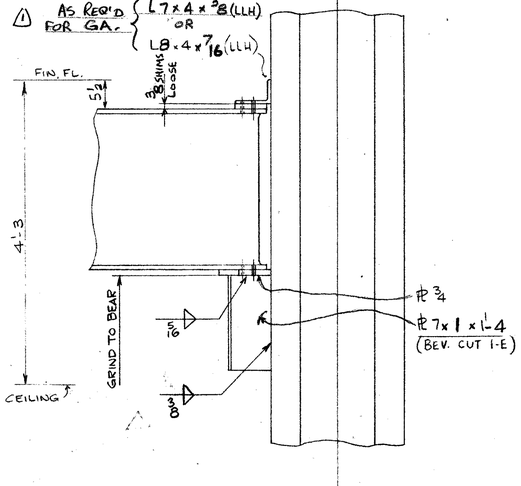
22ND & 23RD FL. ONLY

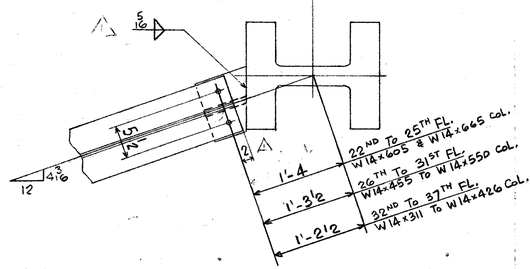
FOR W33 x 130 - 45'-7 5/8 SPAN

REACTION - 146^K

CONN. CAPACITY = 150^K







COL^M SEAT CONN @ (81)

CORE

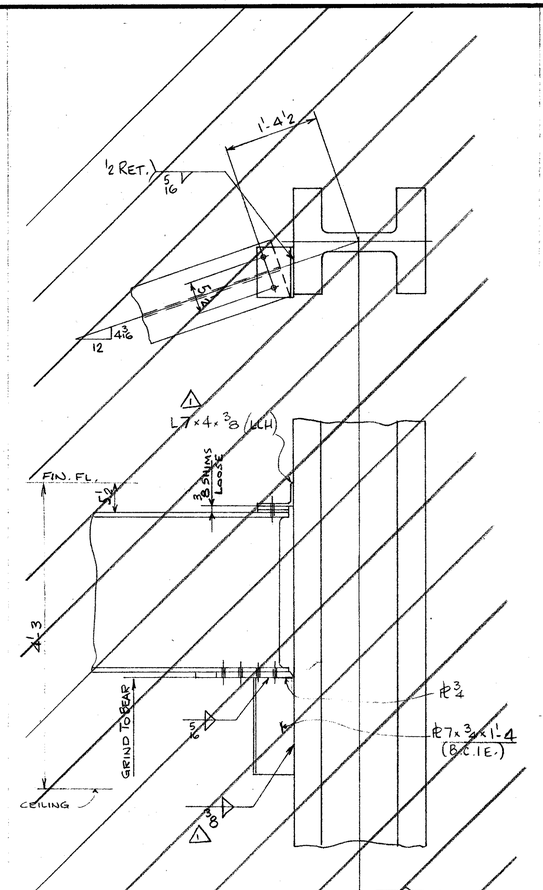
FOR W27 x 84 - 36'-11 5/8 SPAN } 24TH TO 37TH FL.

REACTION - 88^K

FOR W27 x 94 - 36'-11 5/8 SPAN } 22ND & 23RD FL.

REACTION - 73 KIP

CONN. CAPACITY = 92^K



COL^M SEAT CONN @ (81)

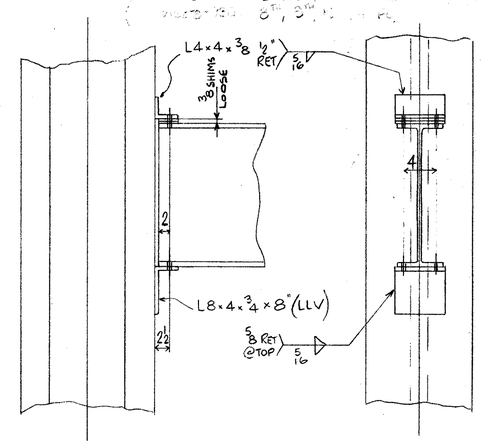
CORE

8TH FL ONLY

FOR W27 x 84 - 36'-11 5/8 SPAN

REACTION = 64 KIP (HORIZ + 75 KIP)

CONN. CAPACITY = 75 KIP. (HORIZ + 84 KIP)



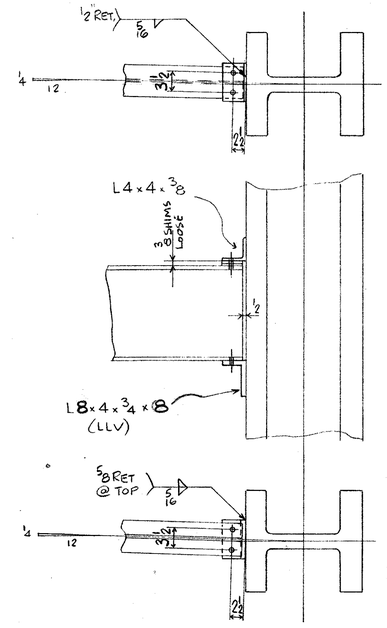
COL^M SEAT CONN @ (61)

CORE

FOR W24 x 55 - 52'-9 SPAN

REACTION - 43^K

CONN CAPACITY = 44.5^K (SEAT L G40.21 44W)



COL^M SEAT CONN. @ (63)

CORE

FOR W16 x 31 - 36'-8 1/16 SPAN

REACTION - 29^K

CONN CAPACITY 34^K

(SEAT L G40.21 44W)

ALL BEAMS: A572-GR 50

ALL DETAIL MATL G40.21-44W

USE E70 XX ELECTRODES

ALL BOLTS 7/8 ϕ HT. A325

FRICTION VALUE 10.5 KIPS/BOLT.

CONN^S ARE FOR 22ND TO 37TH FL. ONLY U/N

SEE DWG. 9154 FOR LOCATIONS

Rev A.

REVISED			
DATE ____ BY ____		OPEN HOLES 15/16ϕ	
DATE ____ BY ____		PAINT ____	
DATE ____ BY ____		ERECTED BY ____	
DATE ____ BY ____		FIELD PAINT ____	
1 DATE JULY 12 BY BE		INSPECTION ____	

BEAM TO COL^M CONNECTIONS - CORE (22nd TO 37TH FL.)

7 WORLD TRADE CENTER

TISHMAN CONSTRUCTION — CUSTOMER

EMERY ROTH & SONS P.C. — ARCHITECT

IRWIN G. CANTOR P.C. — ENGINEER

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

SQUAD F.R.

MADE BY BE DATE MAY 85 CHKD. BY ✓ DATE

CONT. No. 84-15 SHEET 9157