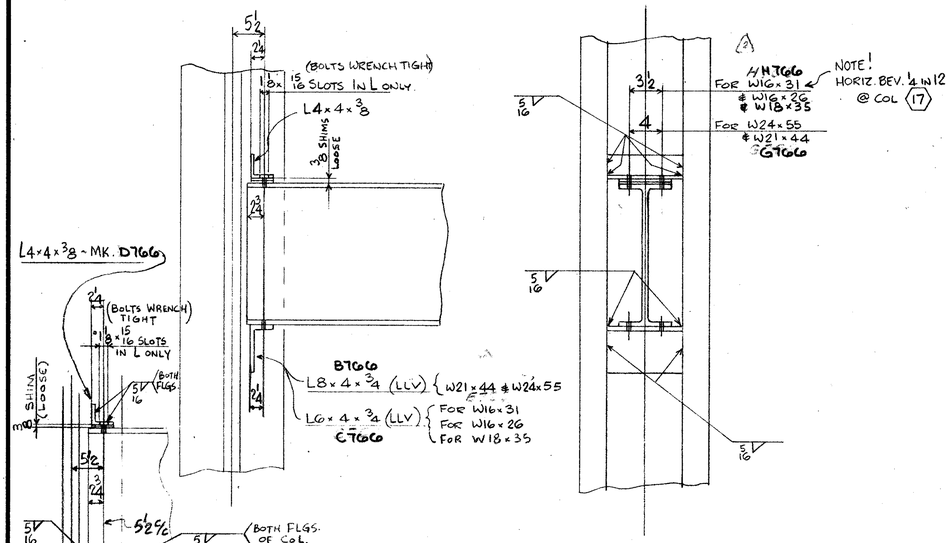


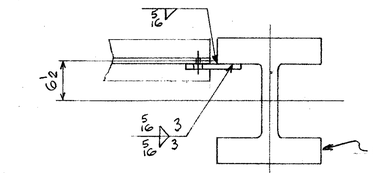
COL^M SEAT CONN. (MIN. W14×283)

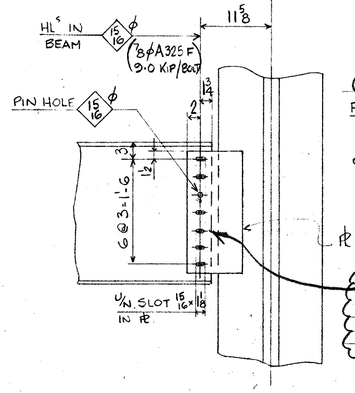
NORTH AND SOUTH WALLS

USE FOR THE FOLLOWING.

BEAM SIZE	SPAN	REACTION KIPS	CONN (KIPS) CAPACITY	
W24×55	52'-9	43	53	(2)
W24×55	50'-5⅜	43	53	
W21×44	45'-9 5/16	31	45	
W16×31	36'-8 1/16 / 36'-8	27	35	
W16×26	39'-0⅜	28	31	← 24TH TO 37TH FL
W16×26	36'-8	28	31	
W24×76	39'-5⅛	77	80	← 24TH TO 37TH FL
W18×35	39'-0⅜	27	37	← 22ND & 23RD FL

CONN. AT COL. 56 (NORTH WALL)





CONN @ COL^M 47

NORTH WALL 22ND TO 24TH FL. ONLY

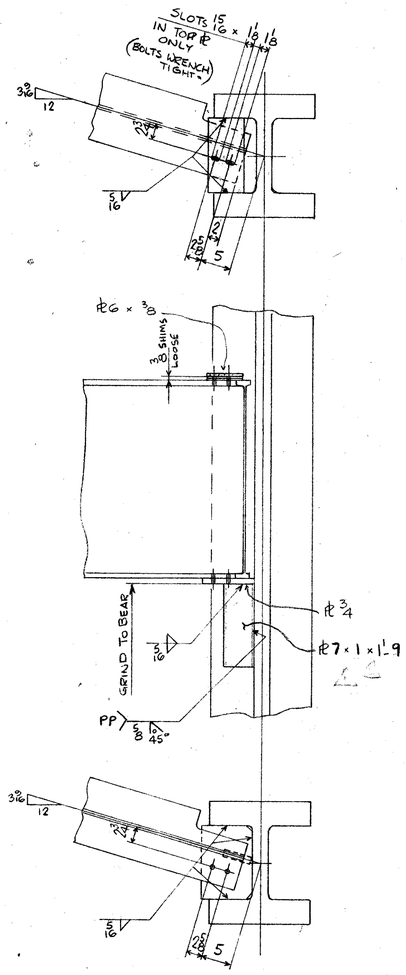
(FOR 25TH TO 37TH FL SEE DET^L ABOVE)

FOR W24×55 - 52'-9 SPAN

REACTION - 48 KIPS

CONN CAPACITY - 54 KIPS

ERECTOR TO INSTALL BOLTS FROM BEAM WEB SIDE, SO WASHERS ARE OVER SLOTTED HOLES IN Fin PL



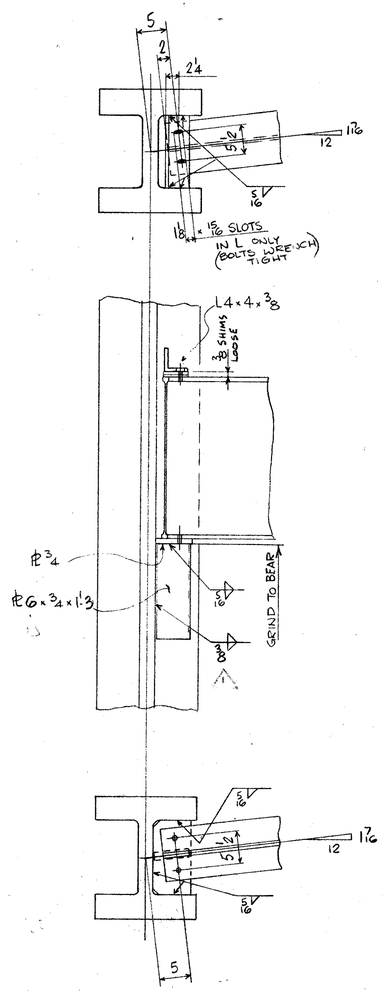
COL^M SEAT CONN @ 44 (W14×283 MIN)

NORTH WALL

FOR W33×130 - 45'-7⅝ SPAN

REACTION - 127 KIP (2)

CONN. CAPACITY = 132 KIP (2)



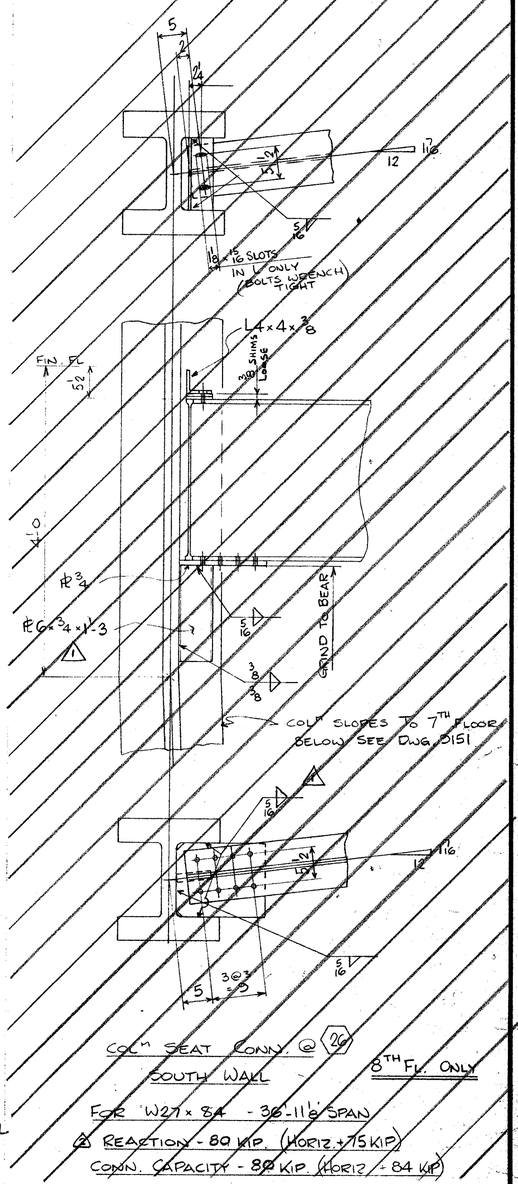
COL^M SEAT CONN @ 26 (W14×370 MIN)

SOUTH WALL

FOR W27×84 - 36'-11⅛ SPAN
REACTION - 80 KIP } 24TH TO 37TH FL

FOR W27×94 - 36'-11⅛ SPAN
REACTION - 73 KIP } 22ND & 23RD

CONN. CAPACITY = 80 KIP



COL^M SEAT CONN @ 26

SOUTH WALL 8TH FL. ONLY

FOR W27×84 - 36'-11⅛ SPAN

(4) REACTION - 80 KIP. (HORIZ. 75 KIP)

CONN. CAPACITY - 80 KIP (HORIZ - 84 KIP)

ALL BEAMS A572 · GR 50

ALL DETAIL MATL G40.21 - 44W

USE E70 XX ELECTRODES

ALL BOLTS 7/8 ø HT. A325.
FRICTION VALUE - 10.5 KIPS/BOLT. U/N.

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

SEE DWG. 9154 FOR LOCATIONS

REVISED			
DATE	BY	OPEN HOLES	15/16 ø U/N
DATE	BY	PAINT	
DATE	BY	ERECTED BY	
DATE	BY	FIELD PAINT	
DATE MAY 29/85	BY IBF	INSPECTION	

22ND TO 37TH FL BEAM TO COLUMN CONNECTIONS (NORTH & SOUTH WALLS)

7 WORLD TRADE CENTER

TISHMAN CONSTRUCTION — CUSTOMER

EMERY ROTH & SONS P.C. — ARCHITECT

IRWIN G. CANTOR PC — ENGINEER

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

SQUAD FR
MADE BY IBF DATE MAY 85 CHKD. BY ✓ DATE

CONT. No. 84-15 SHEET 9156

RF AS SHOWN (4)