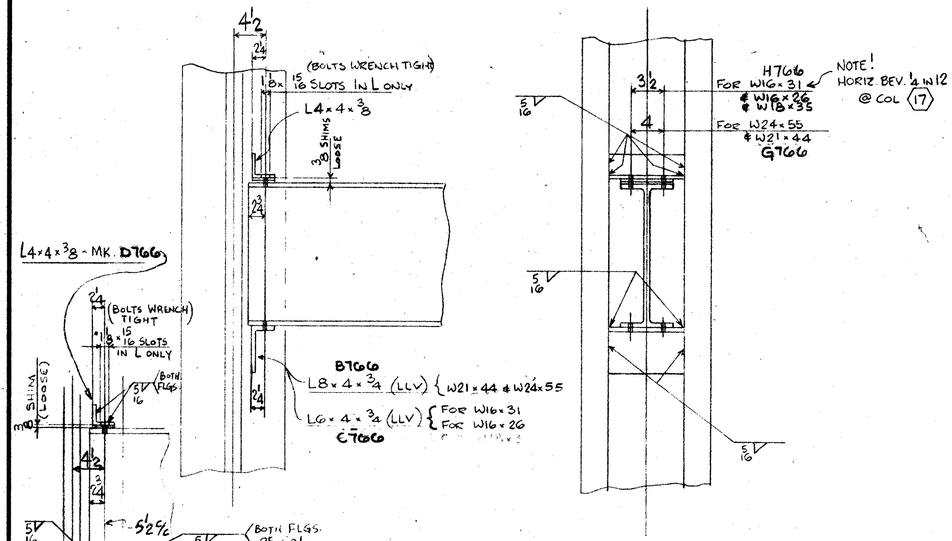


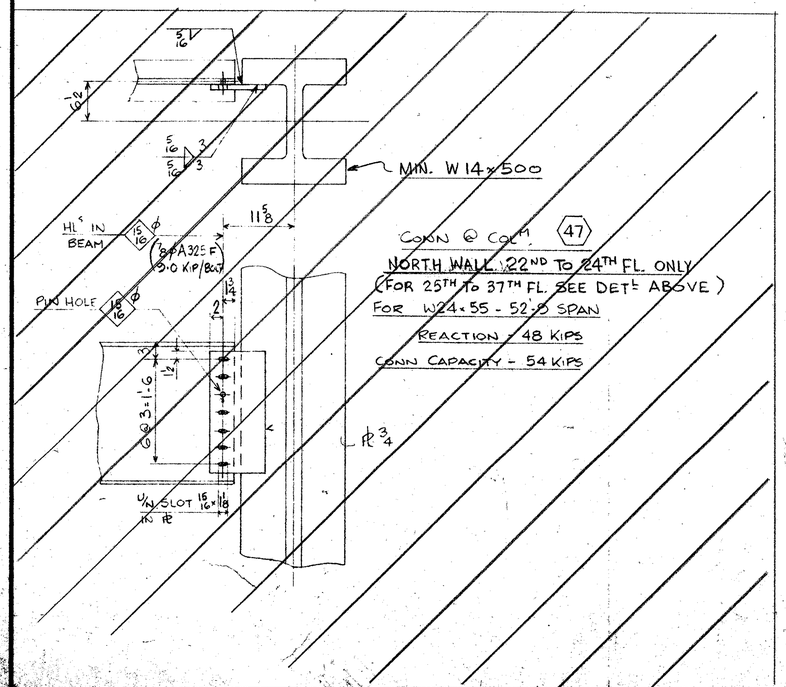
COL^M SEAT CONN. (MIN. W14×159)

NORTH AND SOUTH WALLS

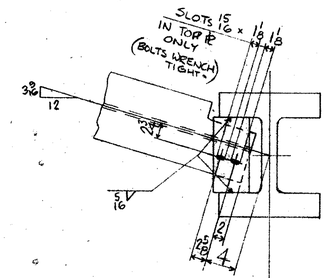
USE FOR THE FOLLOWING.

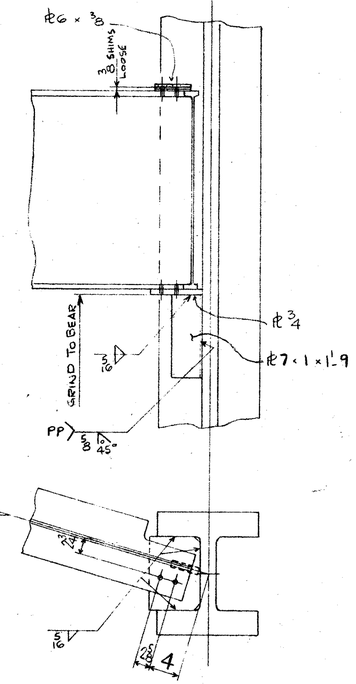
BEAM SIZE	SPAN	REACTION KIPS	CONN (KIPS) CAPACITY
W24×55	52'-9	43	53
W24×55	50'-5⅜	43	53
W21×44	45'-9⅜	31	45
W16×31	36'-8 1/16	27	35
W16×26	39'-0⅜	28	31
W16×26	36'-8	28	31
W24×76	39'-5⅛	77	80
W18×35	39'-...	57	57

CONN. AT COL. (56)
(NORTH WALL)
(MIN. W14×145)

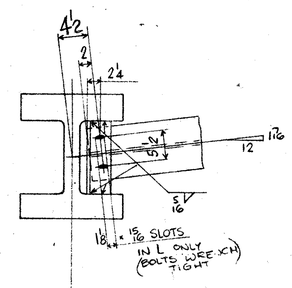


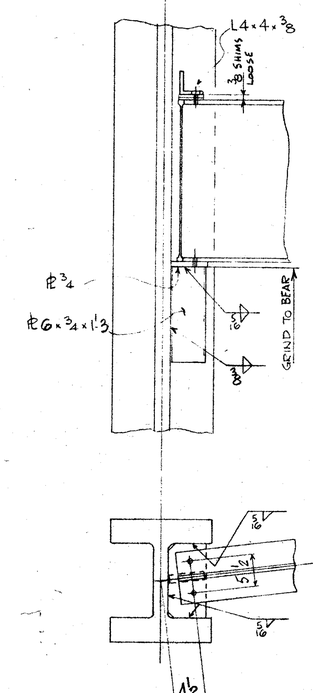
CONN @ COL^M (47)
NORTH WALL 22ND TO 24TH FL. ONLY
(FOR 25TH TO 37TH FL. SEE DET^L ABOVE)
FOR W24×55 - 52'-9 SPAN
REACTION = 48 KIPS
CONN CAPACITY = 54 KIPS



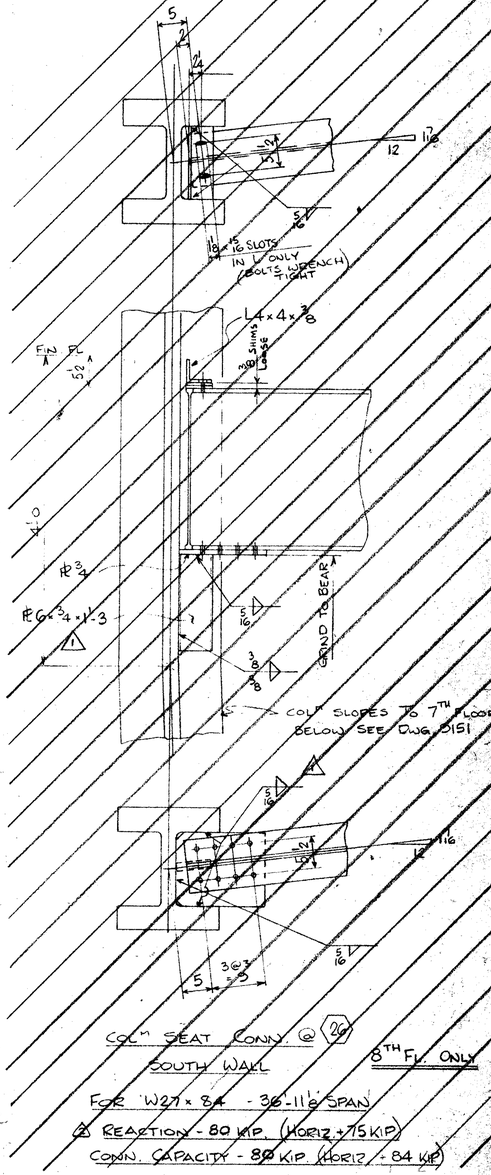


COL^M SEAT CONN @ (44) (W14×145 MIN)
NORTH WALL
FOR W33×130 - 45'-7⅝ SPAN
REACTION = 127 KIP
CONN. CAPACITY = 132 KIP





COL^M SEAT CONN @ (26) (W14×159 MIN)
SOUTH WALL
FOR W27×84 - 36'-11⅛ SPAN
REACTION - 80 KIP
CONN. CAPACITY = 80 KIP



COL^M SEAT CONN @ (26)
SOUTH WALL
8TH FL. ONLY
FOR W27×84 - 36'-11⅛ SPAN
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 ⅞ ø HT. A325.
FRICTION VALUE - 10.5 KIPS/BOLT. U/N
CONN^S ARE FOR 38TH TO 45TH FL. ONLY
SEE DWG. 9171 FOR LOCATIONS

REVISED			
DATE	BY	OPEN HOLES	15/16 ø U/N
DATE	BY	PAINT	
DATE	BY	ERECTED BY	
DATE	BY	FIELD PAINT	
DATE	BY	INSPECTION	

38TH TO 45TH 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 5R8
SQUAD FR
MADE BY IRF DATE JULY 88 CHKD. BY ✓ DATE
CONT. No. 84-15 SHEET 9173