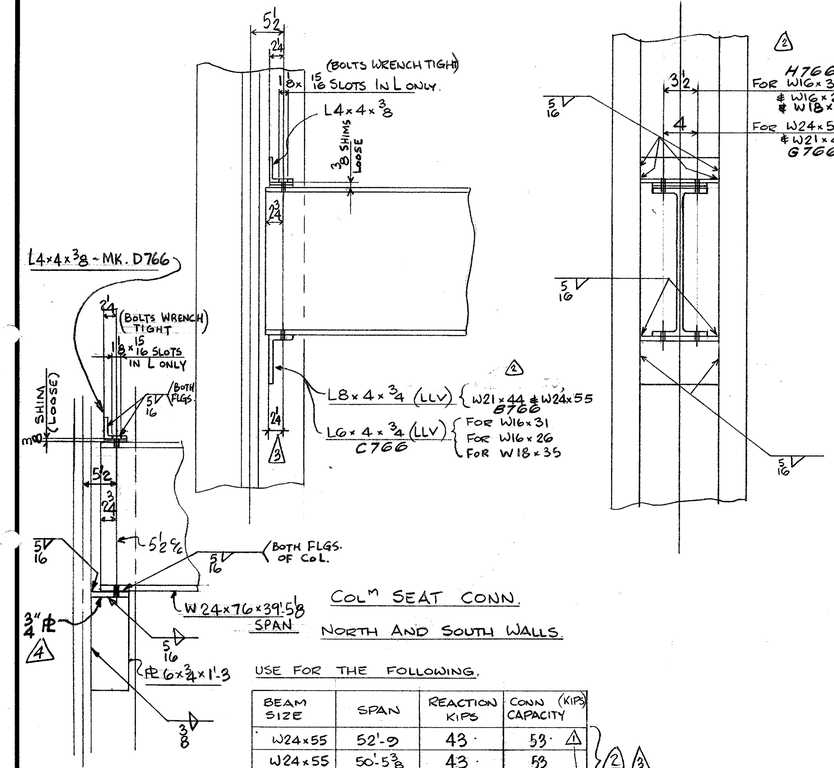


COL^M SEAT CONN.

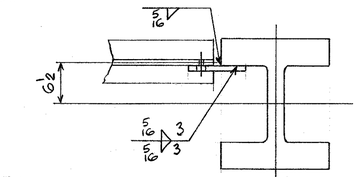
NORTH AND SOUTH WALLS.

USE FOR THE FOLLOWING.

BEAM SIZE	SPAN	REACTION KIPS	CONN (KIPS) CAPACITY	
W24×55	52'-9	43	53	2 3
W24×55	50'-5 3/8	43	53	
W21×44	45'-9 5/16	31	45	
W16×31	36'-8 1/16 / 36'-8	27	35	← 8TH TO 20TH FL.
W16×26	39'-0 3/8	28	31	
W16×26	36'-8	28	31	
W24×76	39'-5 3/8	77	80	← 8TH TO 20TH FL.
W18×35	39'-0 3/8	27	37	← 21ST FL.

CONN. AT COL. 56

(NORTH WALL) 2



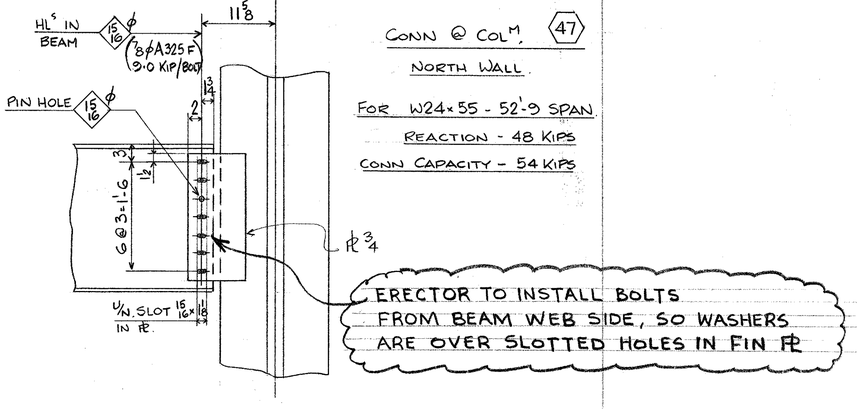
CONN @ COL^M. 47

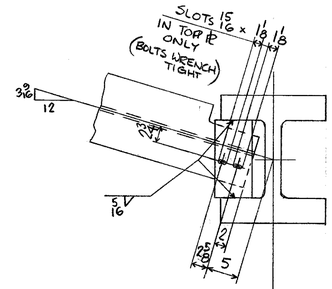
NORTH WALL.

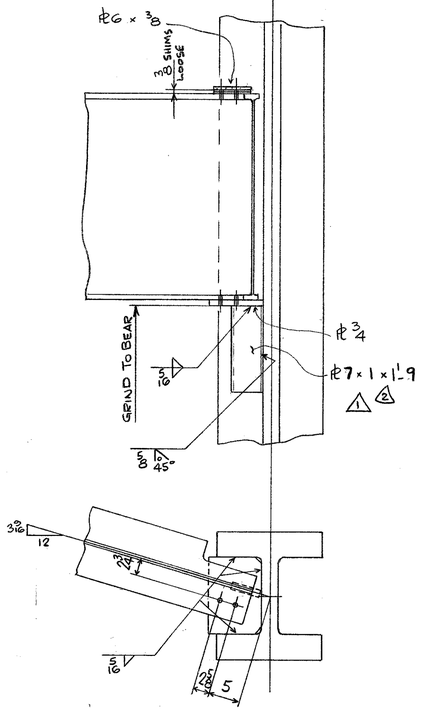
FOR W24×55 - 52'-9 SPAN.

REACTION - 48 KIPS

CONN CAPACITY - 54 KIPS







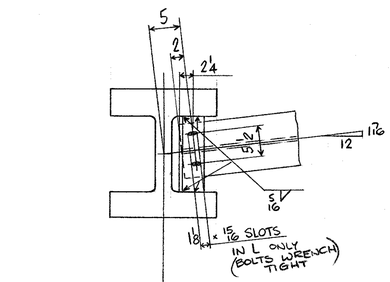
COL^M SEAT CONN. @ 44 (W14×550 MIN)

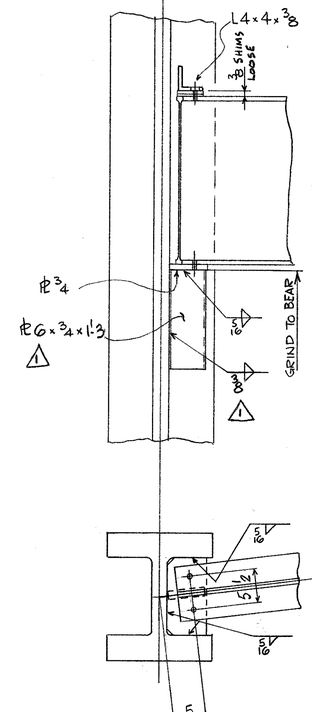
NORTH WALL

FOR W33×130 - 45'-7 5/8 SPAN

REACTION = 127 KIP 2

CONN. CAPACITY = 132 KIP. 2





COL^M SEAT CONN. @ 26 (W14×455 MIN)

SOUTH WALL

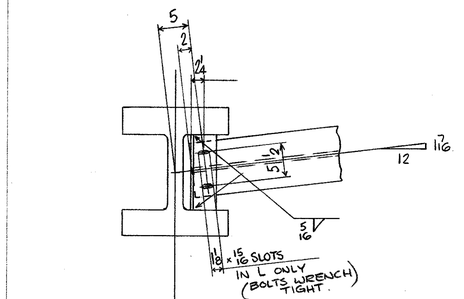
FOR W27×84 - 36'-11 1/8 SPAN } 9TH TO 20TH FL.

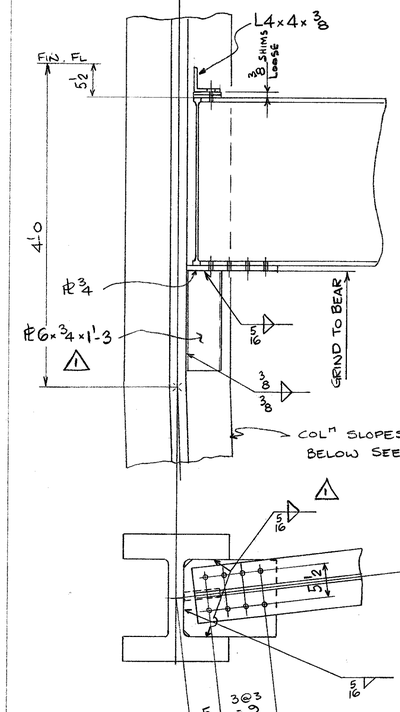
REACTION - 80 KIP 2

FOR W27×94 - 36'-11 1/8 SPAN } 21ST FL.

REACTION - 73 KIP

CONN. CAPACITY = 80 KIP.





COL^M SEAT CONN. @ 26 8TH FL. ONLY

SOUTH WALL

FOR W27×84 - 36'-11 1/8 SPAN

2 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 ϕ HT. A325.
FRICTION VALUE - 10.5 KIPS/BOLT, U/N.

CONN^S ARE FOR 8TH - 21ST FL ONLY U/N.

July 8/85E

TO APP. 4

CONN. CAPACITY REV. 3

TO APPROVAL 2

REV AS SHOWN 1

REVISED DATE	BY
MAY 29/85	BF
MAY 13/85	J.D.
MAY 13/85	BF
APR 17/85	HL

OPEN HOLES 15/16 ϕ U/N

PAINT

ERECTED BY

FIELD PAINT

INSPECTION

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 HL DATE FEB 85 CHKD. BY BF DATE MAR 28/85

CONT. No. 84-15 SHEET 9102