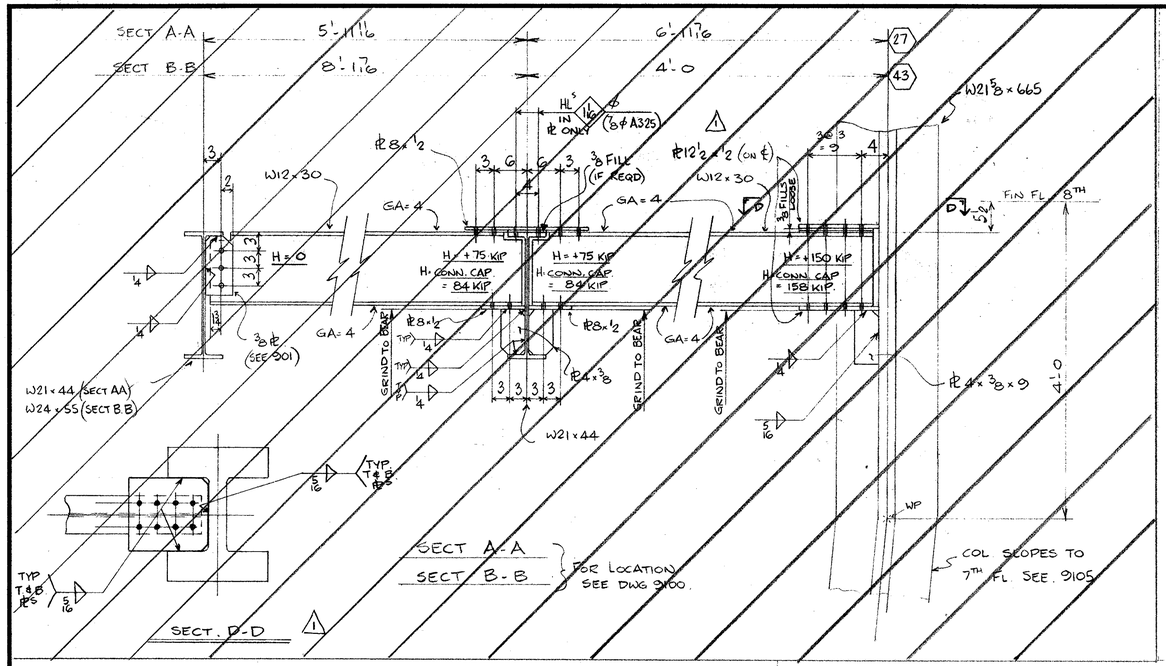
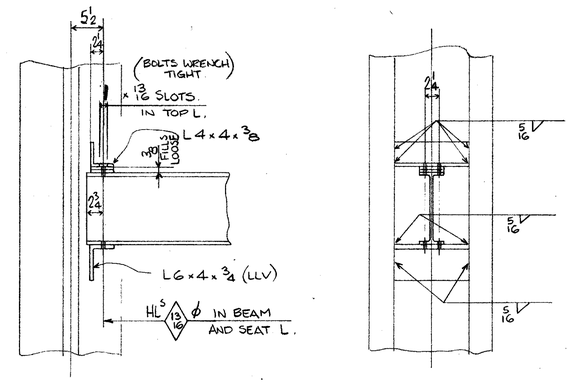




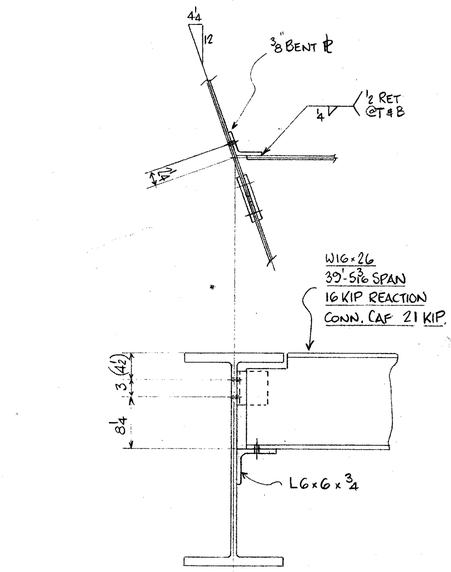
ALL BOLTS 3/4 ϕ A325 F

COL^M SEAT CONN.

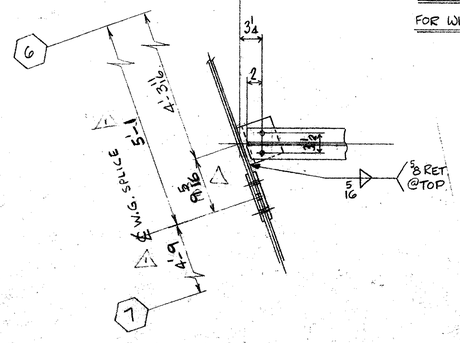
@ (27), (43) & (57)

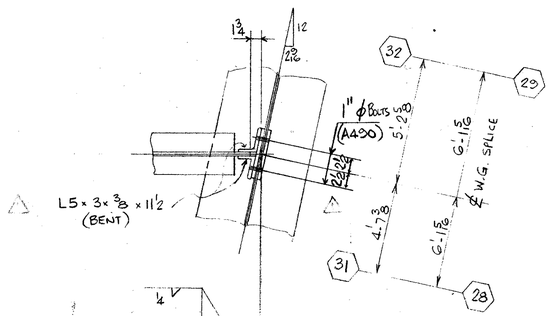
22ND TO 37TH FL.

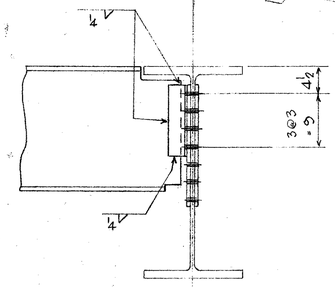
	BEAM SIZE	SPAN	CONN. CAP KIPS
A36	W12x19	4'-0	17.8
	W12x19	6'-11 7/16	17.8



BEAM TO WIND GIRDER CONN.
FOR W16x26 ON WEST WALL AS SHOWN







BEAM TO WIND GIRDER CONN.
ON EAST WALL

USE FOR THE FOLLOWING

BEAM SIZE	SPAN	REACTION KIPS	CONN. CAP KIPS
W24x55	54'-1 13/16	35	79
W21x44	44'-2 1/2	41	79

ALL BEAMS A572-GR50 U/N
ALL DETAIL MATL G40.21-44W
USE E70XX ELECTRODES
ALL BOLTS 7/8" ϕ HT. A325 U/N
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 ϕ U/N	BEAM TO COL & BEAM TO BEAM CONNS. 22ND TO 37TH FL
DATE ____ BY ____	PAINT ____	7 WORLD TRADE CENTER
DATE ____ BY ____	ERECTED BY ____	TISHMAN CONSTRUCTION CUSTOMER
DATE ____ BY ____	FIELD PAINT ____	EMERY ROTH & SONS P.C. ARCHITECT
DATE APR 16 BY HL	INSPECTION ____	IRWIN G CANTOR P.C. ENGINEER

REV. AS SHOWN (1)

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

SQUAD FR
MADE BY BF DATE MAY 85 CHKD. BY IG DATE

CONT. No. 84-15 SHEET 9161