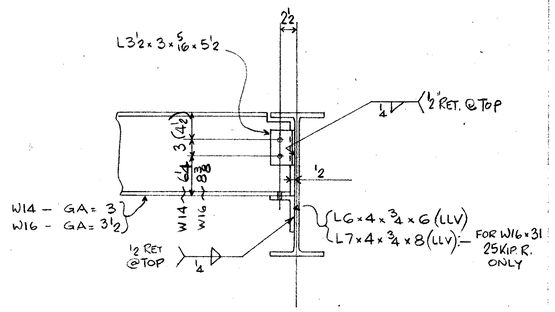
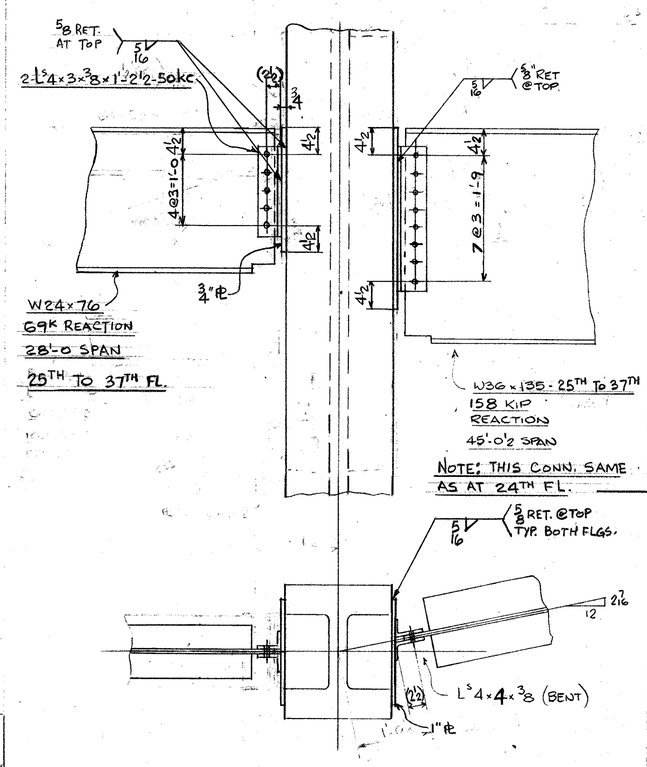


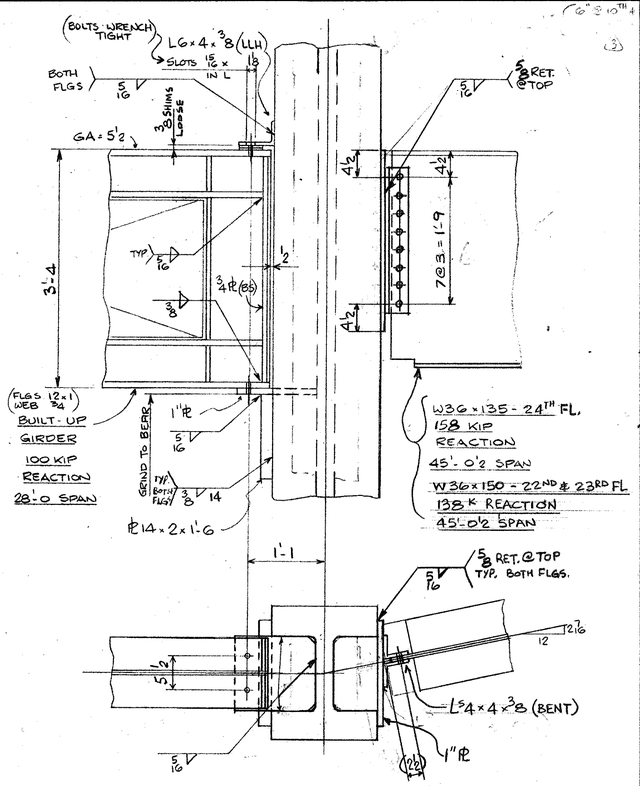
BEAM TO BEAM SEAT CONN.

USE FOR THE FOLLOWING :-

	BEAM SIZE	SPAN	REACTION KIPS	CONN (KIP) CAPACITY
CORE AREA BOTH ENDS	W16 x 26	30'-9½	21	21.8
CORE AREA BOTH ENDS	W16 x 31	30'-9½	25	27
CORE AREA BOTH ENDS	W14 x 22	30'-9½	16	21.8
	W14 x 22	28'-6	22	
CORE AREA NORTH END ONLY	W14 x 22	27'-4¾, 27'-5¼	18	
CORE AREA SOUTH END ONLY	W14 x 22	24'-0 16 TO 25'-10½	20	
CORE AREA SOUTH END ONLY	W14 x 22	22'-1 11 16	21.6	21.8
CORE AREA NORTH END ONLY	W14 x 22	28'-10 5 16	17	21.8



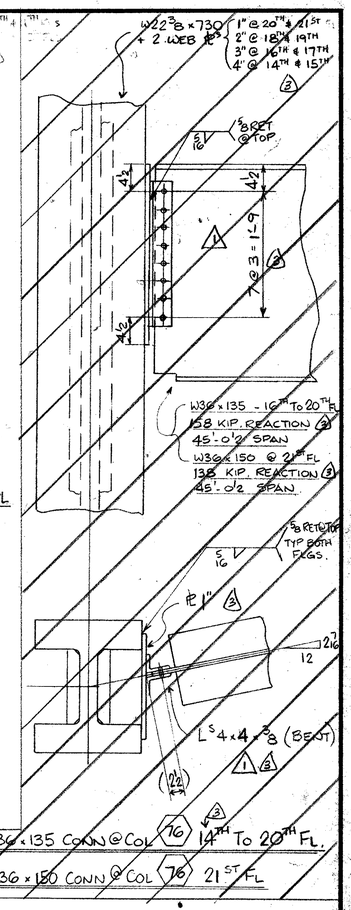
CONNS AT COL. 76 25TH TO 37TH FL.

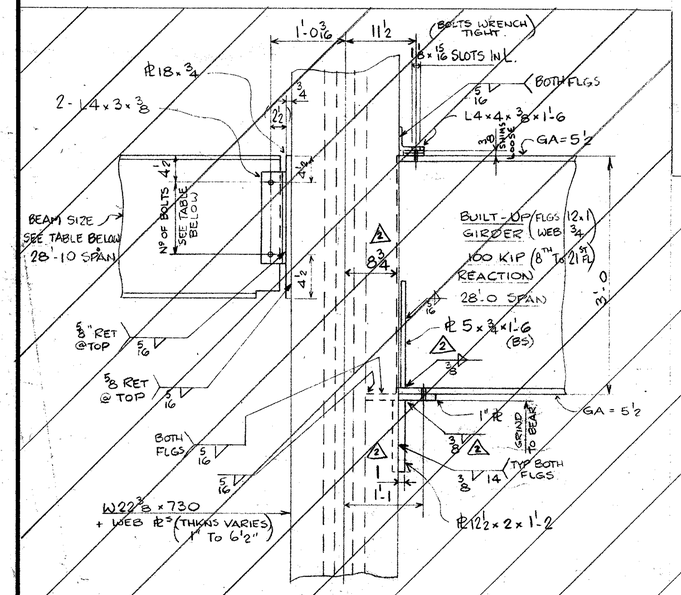


BUILT-UP GIRDER CONN. @ COL 76 22ND TO 24TH FL

W36 x 135 CONN @ COL 76 24TH FL.

W36 x 150 CONN @ COL 76 22ND & 23RD FL





BUILT-UP GDR. & BEAM CONNS @ COL 73

BEAM SIZE	FLOOR	REACTION KIPS.	No OF BOLTS.
W24 x 76	8TH TO 14TH	77	5
W30 x 99	16TH	103	6
W27 x 84	17TH TO 20TH	81	5
W27 x 94	21ST	93	5

W36 x 170 BEAM TO COL. CONN. @ COL 73 & 70 @ 15TH FL

ALL BEAMS & GIRDERS A572 GR50
ALL DETAIL MATL G40.21 - 44W
USE E70 XX ELECTRODES
ALL BOLTS 7/8ϕ HT A325
FRICTION VALUE - 10.5 KIPS/BOLT.
CONNS ARE FOR 22ND TO 37TH FL. ONLY

DIMNS IN BRACKETS ARE BASED ON ACCURATE BM. OR COLUMN SIZE

SEE DWG. 9154 FOR LOCATIONS

REVISED		OPEN HOLES 15/16ϕ U/N	BEAM TO BEAM SEATS, BEAM TO COLM CONNS (CORE AREA) 22ND TO 37TH FL.	FRANKEL STEEL LIMITED
DATE ___ BY ___		PAINT	7 WORLD TRADE CENTER	220 ATTWELL DRIVE UNIT 1 REXDALE, ONTARIO M9W 5B2
DATE ___ BY ___		ERECTED BY	TISHMAN CONSTRUCTION CUSTOMER	SQUAD FR
DATE Nov 7 85 BY E.	To accommodate	FIELD PAINT	EMERY ROTH & SONS P.C. ARCHITECT	MADE BY BF DATE May 85 CHKD. BY DATE
DATE Apr 7 85 BY H'	REV. AS SHOWN	INSPECTION	IRWIN G CANTOR P.C. ENGINEER	CONT. No. 84-15 SHEET 9158
DATE Apr 7 85 BY HL	REV. AS SHOWN			