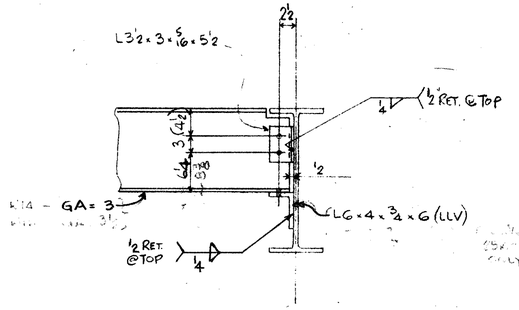
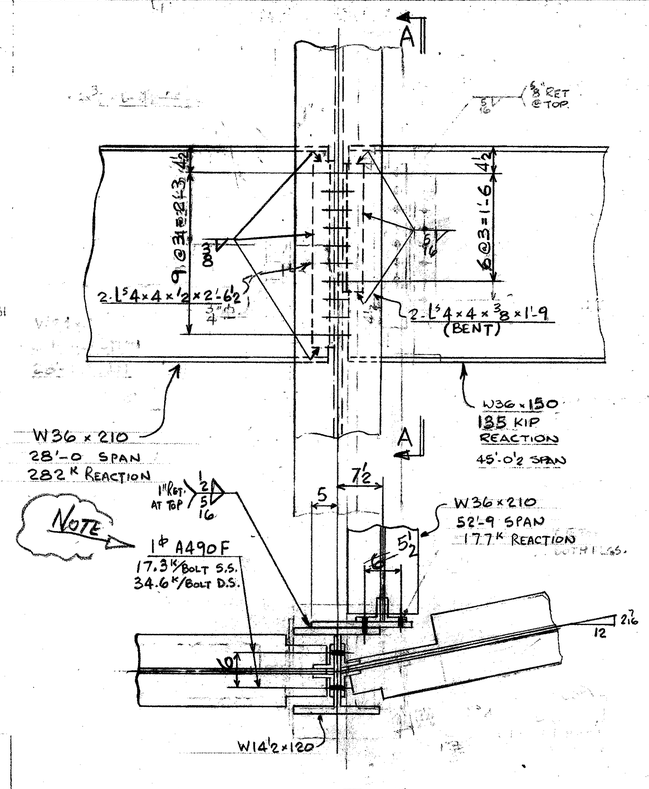


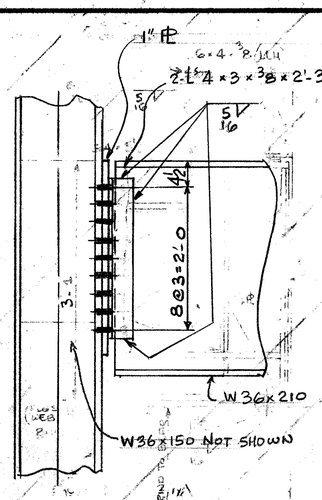
BEAM TO BEAM SEAT CONN.

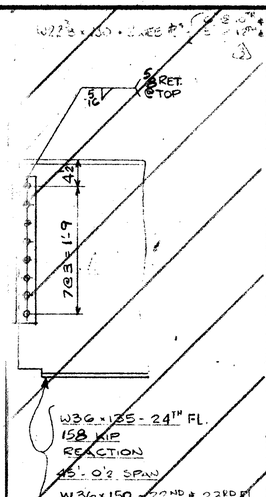
USE FOR THE FOLLOWING :-

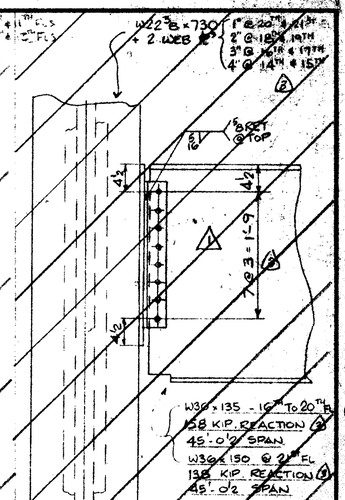
	BEAM SIZE	SPAN	REACTION KIPS	CONN (KIP) CAPACITY
CORE AREA NORTH END ONLY	W14 x 22	30'-0½	22	
CORE AREA SOUTH END ONLY	W14 x 22	30'-2	22	
	W14x22	28'-6	22	21.8
CORE AREA NORTH END ONLY	W14 x 22	27'-5¼	18	21.8
CORE AREA SOUTH END ONLY	W14 x 22	24'-0 16/16 TO 25'-9⅛	20	—
	W14x22	22'-19/16	21.6	21.8
	W14 x 22	20'-6	18	21.8

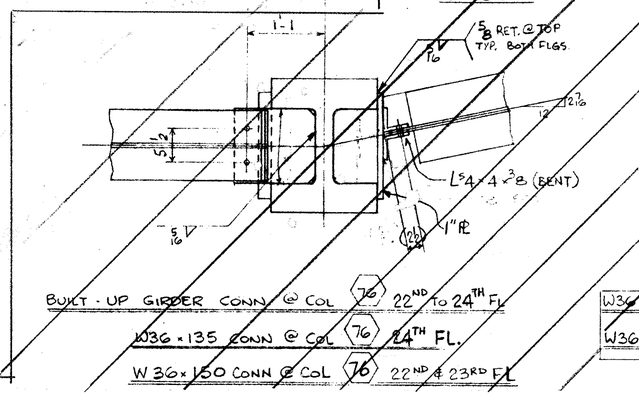


CONNS AT COL. 76





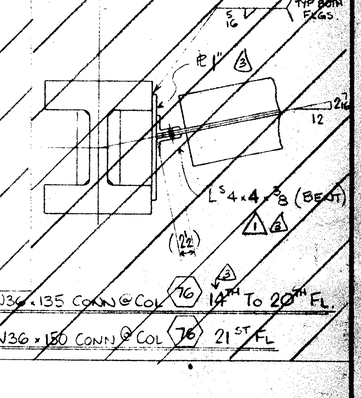




BUILT-UP GIRDER CONN @ COL 76 22ND TO 24TH FL

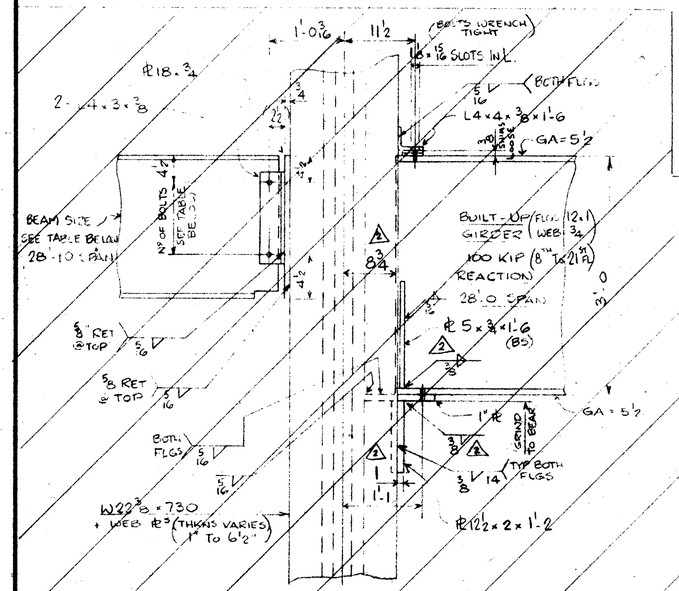
W36 x 135 CONN @ COL 76 24TH FL.

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



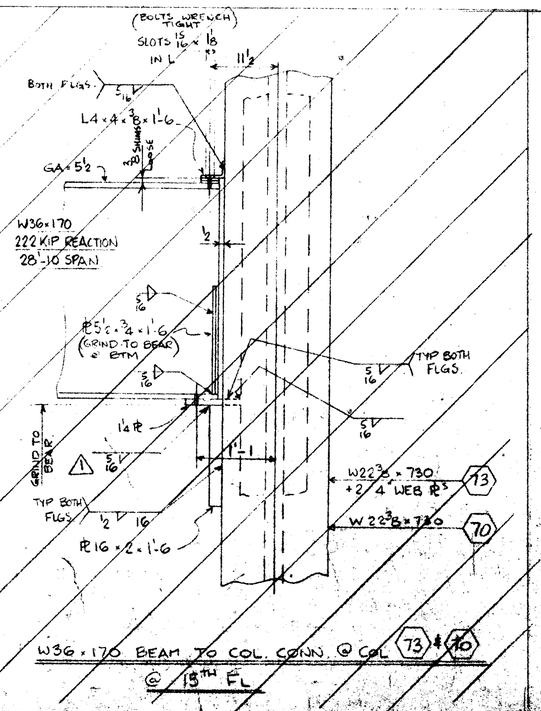
W36 x 135 CONN @ COL 76 14TH TO 20TH FL.

W36 x 150 CONN @ COL 76 21ST FL



BUILT UP GDR & BEAM CONNS @ COL 73

BEAM SIZE	FLOOR	REACTION KIPS	No OF BOLTS
W24x76	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 @ 19TH FL

ALL BEAMS & GIRDERS A572 GR50
ALL DETAIL MATL G40 21 - 44W
USE E70 XX ELECTRODES
ALL BOLTS ⅞ ϕ HT A325 N/X
FRICTION VALUE - 10.5 KIPS/BOLT.
CONNS ARE FOR 46TH TO FLOOR ONLY

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

SEE DWG. 9181 FOR LOCATIONS

REVISED			
DATE	BY	OPEN HOLES	15 ϕ 1/16 IN
DATE	BY	PAINT	
DATE	BY	ERECTED BY	
DATE	BY	FIELD PAINT	
DATE	BY	INSPECTION	

BEAM TO BEAM SEATS, BEAM TO COL CONNS 46TH FLOOR CORE AREA

7 WORLD TRADE CENTER
TISHMAN CONSTRUCTION CUSTOMER
EMERY ROTH & SONS P.C. ARCHITECT
IRWIN G CANTOR P.C. ENGINEER

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

SQUAD FR
TRADE BY BF DATE SEPT 5/85 CHKD. BY DATE
CONT. No. 84-15 SHEET 9185