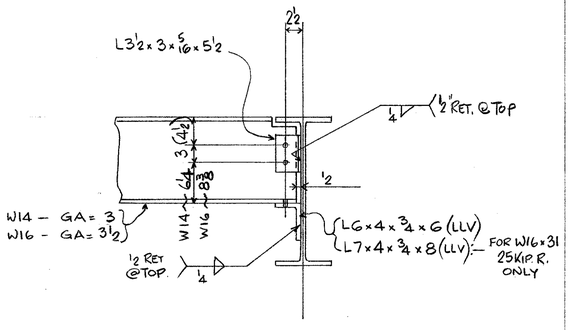
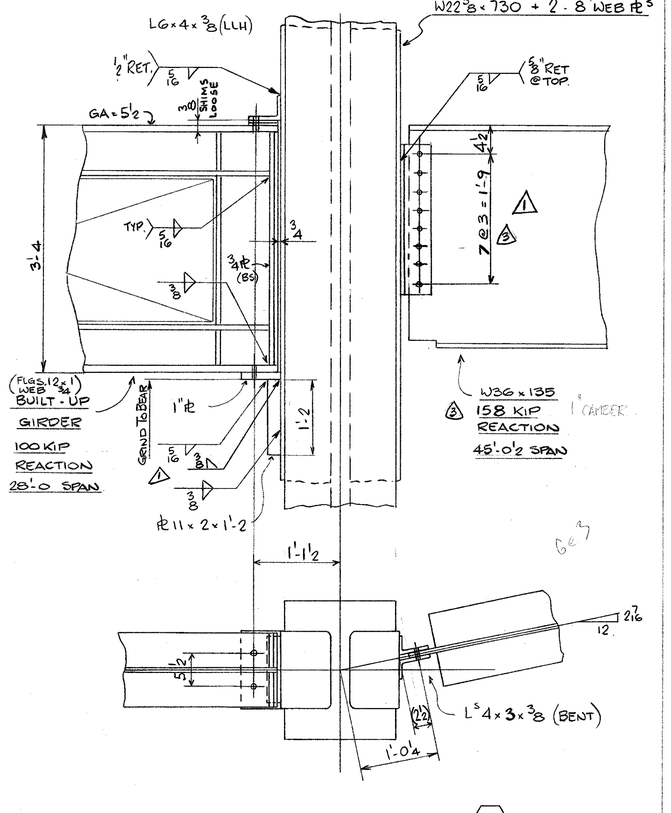


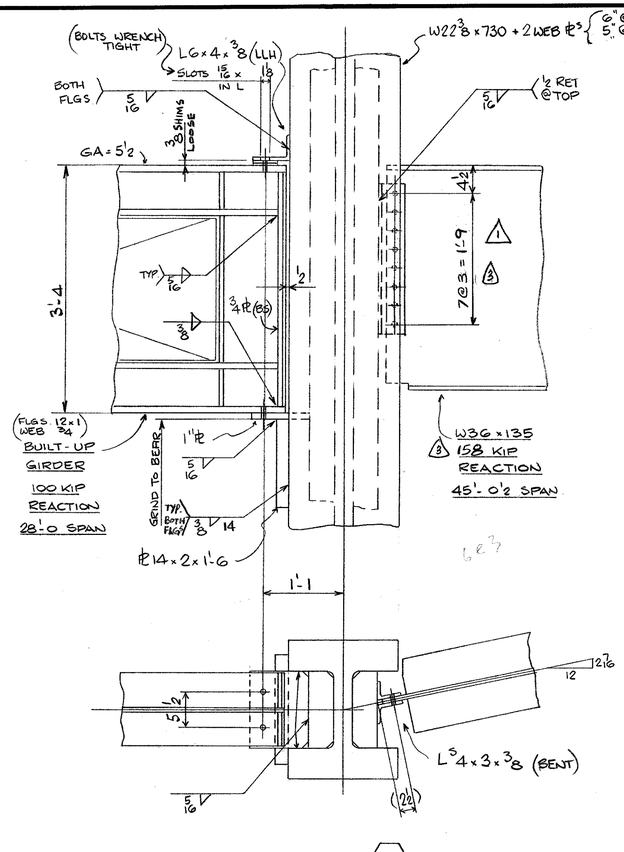
BEAM TO BEAM SEAT CONN.

USE FOR THE FOLLOWING :-

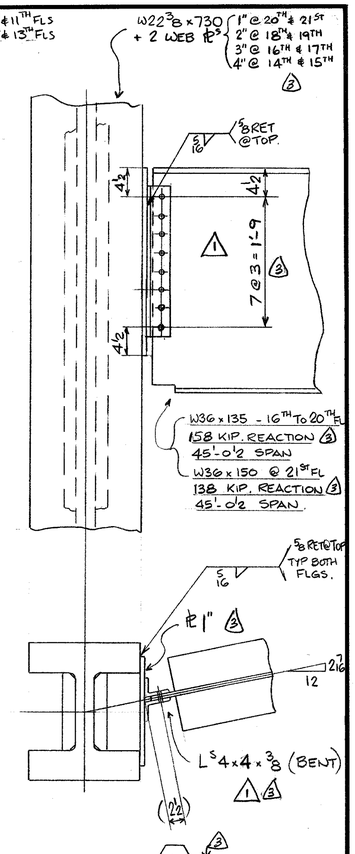
	BEAM SIZE	SPAN	REACTION KIPS.	CONN (KIPS) CAPACITY
CORE AREA BOTH END 17TH TO 21ST	W16x31	30'-9½	25	27
CORE AREA BOTH ENDS	W14x22	30'-9½	16	21.8
	W14x22	28'-6	22 ③	
CORE AREA NORTH END ONLY	W14x22	27'-5¼	18	
CORE AREA SOUTH END ONLY	W14x22	24'-7¼, 25'-0⅜, 25'-10½	20	



BUILT-UP GIRDER & BEAM CONNS @ COL (76)
8TH & 9TH FLOORS ONLY



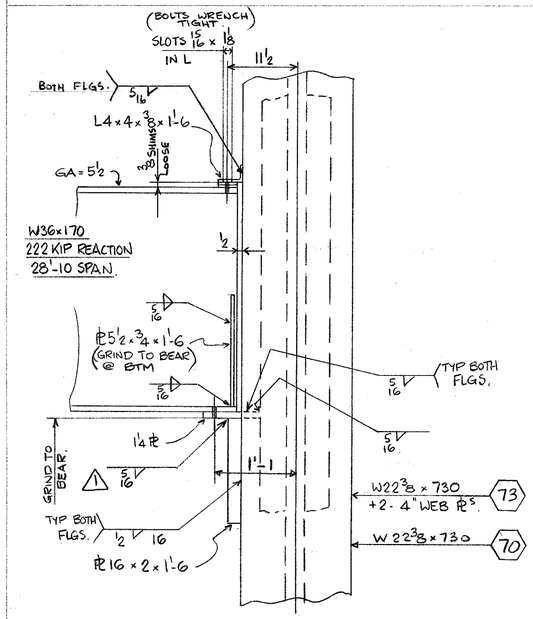
BUILT-UP GIRDER CONN. @ COL (76) 10TH TO 21ST FL
W36x135 CONN @ COL (76) 10TH TO 13TH FL. ③



W36x135 CONN @ COL (76) 14TH TO 20TH FL. ③
W36x150 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 ③	5
W30x99	16TH	103	6
W27x84	17TH TO 20TH	81	5
W27x94	21ST	93	5



W36x170 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 ⅞ HT A325
FRICTION VALUE - 10.5 KIPS/BOLT.
CONNS ARE FOR 8TH TO 21ST FL. ONLY

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

July 8/85 E

REVISED			
TO APPROVAL ②	DATE ____ BY ____	OPEN HOLES 15/16 ϕ U/N	BEAM TO BEAM SEATS, BEAM TO COL^M CONNS (CORE AREA)
REV. AS SHOWN ①	DATE ____ BY ____	PAINT ____	7 WORLD TRADE CENTER
REV. AS SHOWN ①	DATE MAY 19/85 BY BF	ERECTED BY ____	TISHMAN CONSTRUCTION CUSTOMER
	DATE APR 25-85 BY HL	FIELD PAINT ____	EMERY ROTH & SONS P.C. ARCHITECT
	DATE APRIL 7-85 BY HL	INSPECTION ____	IRWIN G CANTOR P.C. ENGINEER

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

SQUAD FR
MADE BY HL DATE MAR 85 CHKD. BY BF DATE MAR 26/85
CONT. No. 84-15 SHEET 9115