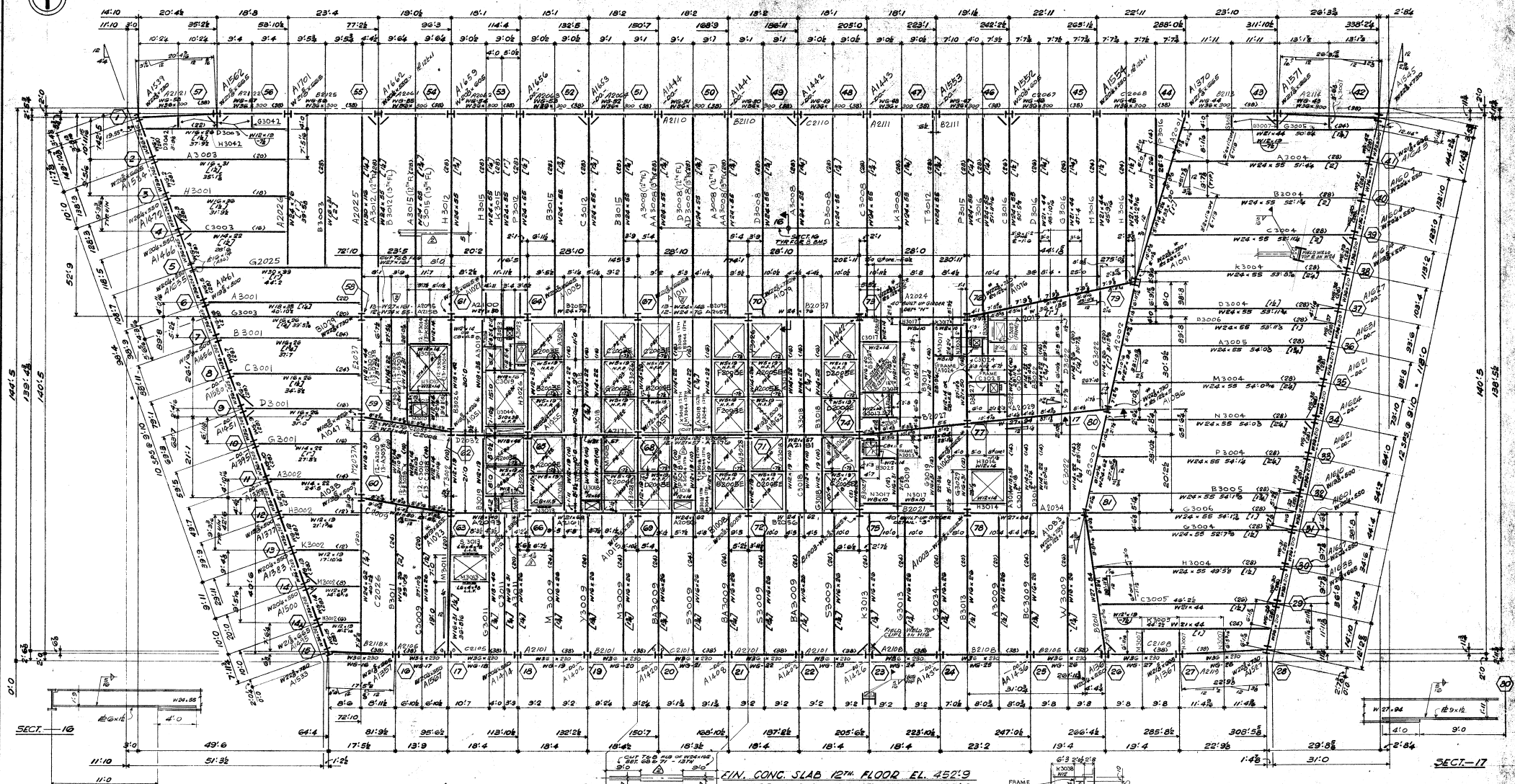
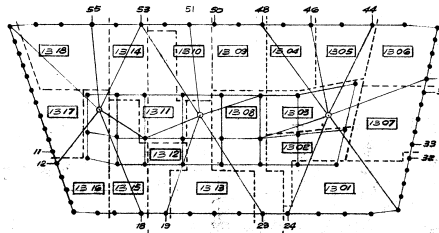
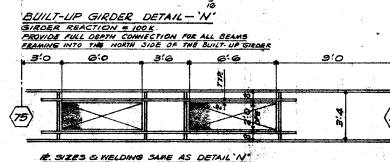
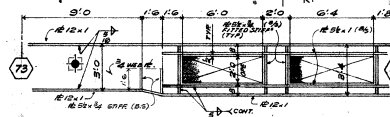




FOR KEY PLAN SHOWING CONNECTION LOCATIONS SEE DWG. 9100



KEY PLAN SHOWING SHIPPING DIVS.

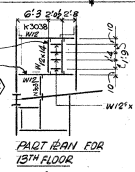


BUILT-UP GIRDER DETAIL - 5' PROVIDE FULL DEPTH CONNECTION FOR ALL BEAMS REMAINING INTO THE SOUTH SIDE OF THE BUILT-UP BEAMS

FIN. CONC. SLAB 12TH FLOOR EL. 452'9
FIN. CONC. SLAB 13TH FLOOR EL. 465'0
TOP OF STEEL 36" BELOW FIN. CONC. SLAB U.M.
ALL BEAMS SHALL BE ASTM A572 GRADE 50 EXCEPT
WIND GIRDERS INDICATED *W5* ON PLAN
ALL BEAMS W12x19 (76) SPANDREL BRACE BEAMS W12x19 (76)
WHICH SHALL BE ASTM A36
ALL COR. ARE A36 EXCEPT COR. WITH * WHICH ARE A572 GR. 50
REIN. #4 COR. WITH * UP TO 2" THK - A572 GR. 50
OVER 2" THK - A588
OVER 4" THK - A572 GR. 42
OVER 6" THK - A588

BEAM OPENING & ELEVATIONS, ARE GIVEN WITH RESPECT TO TOP OF STEEL
(---) INDICATES 36" x 5 SNEAR STUDS, FIELD APPLIED
(---) INDICATES CAMBER

FOR GENERAL NOTES - SEE E180
COL. SCHEDULE - E117, U17A
FOR SPANDREL BRACE CONNECTIONS TO PERIMETER WIND GIRDERS, SEE CW-1
A FOR ADDITIONAL STUDS SEE CUST. DWG. SB REV. A



BEAM TO COLUMN CONNECTION

12TH & 13TH FLOOR FRAMING PLAN
T. WORLD TRADE CENTER
TISHMAN CONSTRUCTION
EMERY ROTH & SONS P.C.
IRWIN G. CANTON, INC.

1	10/1/88	BE	Note For Add. Studs (X.4)
2	9/28/88	GP	X-20 OPENING @ COL. E. REV.
3	9/8/88	GP	DERICK SUPPORT DMS @ 13TH
4	10/1/88	GP	TO APPROVAL LETTERS
5	10/1/88	GP	TO APPROVAL LETTERS
6	10/1/88	GP	TO APPROVAL LETTERS
7	10/1/88	GP	TO APPROVAL LETTERS
8	10/1/88	GP	TO APPROVAL LETTERS
9	10/1/88	GP	TO APPROVAL LETTERS
10	10/1/88	GP	TO APPROVAL LETTERS
11	10/1/88	GP	TO APPROVAL LETTERS
12	10/1/88	GP	TO APPROVAL LETTERS
13	10/1/88	GP	TO APPROVAL LETTERS
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