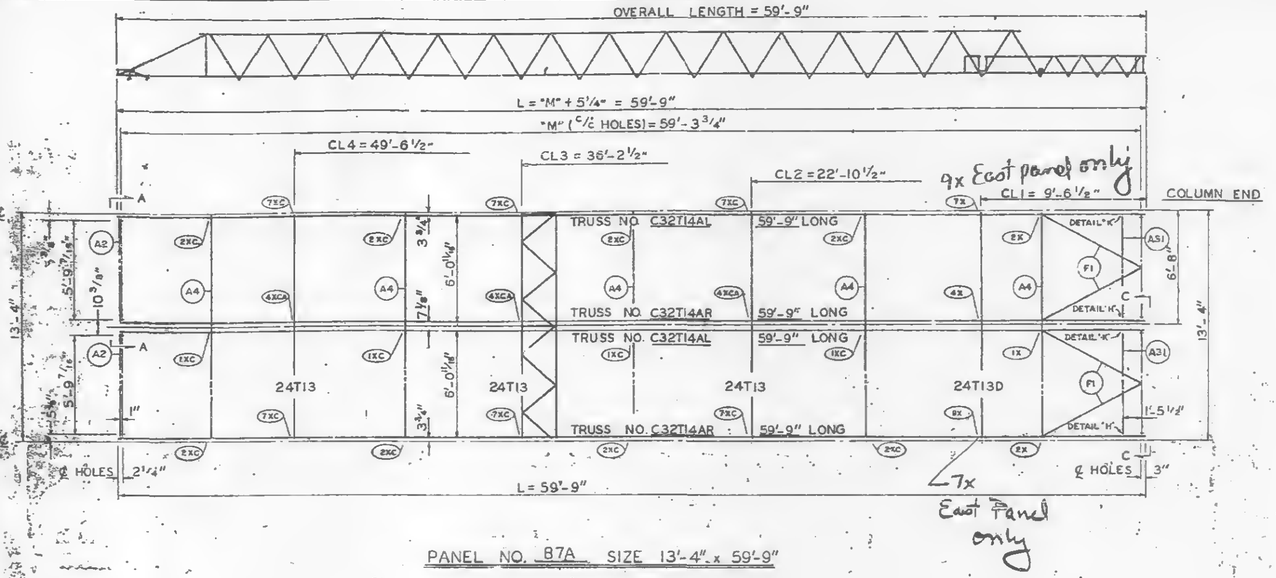
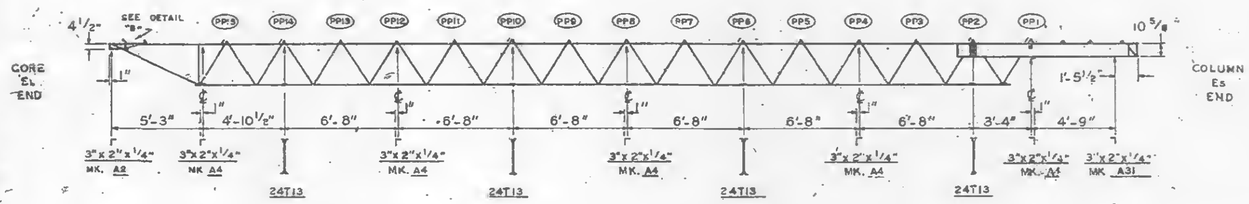
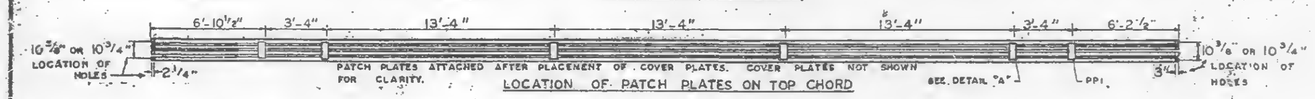


PANEL NO. 87A SIZE 13'-4" x 59'-9"



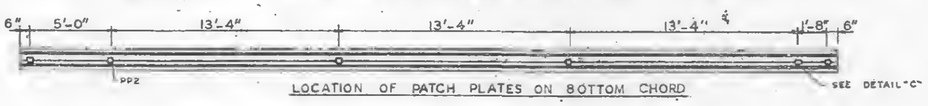


COVER PLATE PLACEMENT

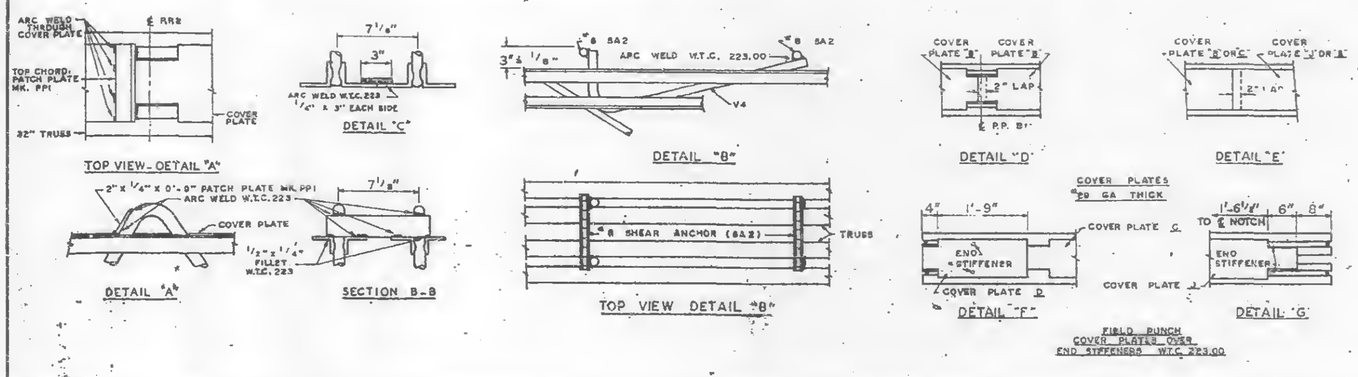


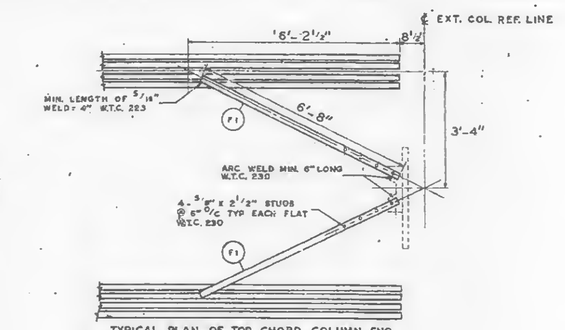
PATCH PLATES ATTACHED AFTER PLACEMENT OF COVER PLATES. COVER PLATES NOT SHOWN FOR CLARITY.

LOCATION OF PATCH PLATES ON TOP CHORD

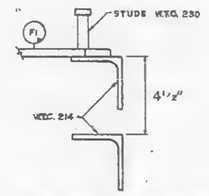


LOCATION OF PATCH PLATES ON BOTTOM CHORD





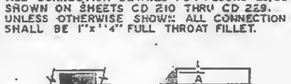
TYPICAL PLAN OF TOP CHORD COLUMN END DIAGONAL TRUSS BRACES PLACED OVER DECK BY W.T.C. 223.



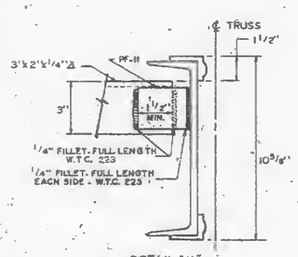
CLIP ANGLE LOCATION FOR DIAGONAL FLATS 4 1/2" ABOVE COLUMN CLIPS FOR TRUSS BEARING.

REQUIRED MATERIAL PER PANEL				REF.
MATERIAL	MK.	PCS.	SIZE	DRWG.
FLOOR TRUSSES	T14AL	2	C32T14AL x 59'-9"	ST 214AL
	T14AR	2	C32T14AR x 59'-9"	ST 214AL
BRIDGING TRUSSES	T13	3	24T13 x 13'-3"	BT 213
	T13D	1	24T13D x 13'-3"	BT 2130
3"x 2"x 1/4" ANGLE	A2	2	3"x2"x1/4" x 5'-11 5/16"	ST 403
	A4	5	3"x2"x1/4" x 13'-3"	ST 403
	A31	2	3"x2 1/2"x1/4" x 5'-8 1/2"	ST 410
CLOSURE PLATES	PF11	2	3" x 1/4" x 0'-2 7/8"	ST 412
DIAGONAL FLATS	F1	4	1 1/2" x 3/8" x 6'-8"	ST 402
PATCH PLATES	PP1	12	2" x 1/4" x 0'-9"	ST 400
	PP2	12	3" x 3/8" x 0'-3"	ST 400
COVER PLATES	B	4	9" x .0135" x 15'-2"	ST 303
	C	2	9" x .0135" x 1'-2 1/8"	ST 303
	D	2	9" x .0135" x 2'-1"	ST 303
	J	2	9" x .0135" x 13'-11 1/8"	ST 304
ANGLE CLIPS	C1	16	2" x 1 1/2" x .25" x 8"	ST 400
ø8 SHEAR ANCHOR	SA2	~	ø8 REBAR x 0'-9"	ST 400
CONNECTION BAR	C91	5	1" ø x 1'-3"	ST 400
CONNECTION PLATES*	P1	4	3 1/2" x 3/8" x 0'-6 1/2"	ST 400
	P2	3*	4 1/2" x .38" x 0'-9"	ST 400
	P3	3*	4 1/2" x .38" x 1'-0"	ST 400
	P8	4	3" x 1 1/2" x 1'-2"	ST 400
	P10	1*	4 1/2" x .38" x 0'-5"	ST 400
⚠	P11	1*	3" x 1/4" x 0'-6"	ST 400

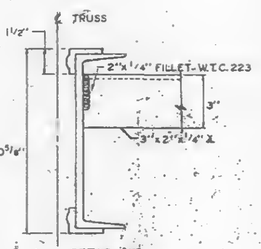
ALL ARC WELDS TO BE MADE WITH LOW HYDROGEN RODS IN THE E-70 SERIES OR EQUAL.
LETTERS AND NUMBERS IN ELLIPSES INDICATE CONNECTION DETAILS, i.e., (1X).
ALL CONNECTION DETAILS FOR FLOORS 25, 59 & 92 ARE SHOWN ON SHEETS CD 210 THRU CD 229.
UNLESS OTHERWISE SHOWN ALL CONNECTION ARC WELDS SHALL BE 1"x1"x4" FULL THROAT FILLET.



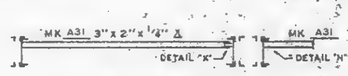
Material marked * is for West panel only



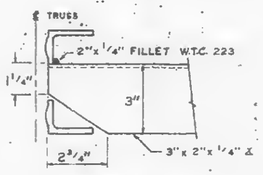
DETAIL "K" END SUPPORT ANGLE ATTACHMENT



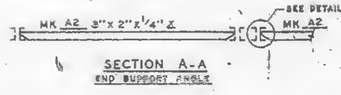
DETAIL "H" END SUPPORT ANGLE ATTACHMENT



SECTION C-C END SUPPORT ANGLE



DETAIL "J" END SUPPORT ANGLE ATTACHMENT



SECTION A-A END SUPPORT ANGLE

NO.	DATE	REVISION	BY
⚠	5-12-69	AS NOTED	G.D.

SKILLING · HELLE CHRISTIANSEN · ROBERTSON
Structural & Civil Engineers
APPROVED
APPROVED AS NOTED
RESUBMIT
REJECTED
Date 6/6/69 By SK

REE DRWG.

7-A83-26	10-4-68
7-A81-13	10-4-68
7-A82-8	7-22-68
7-A84-28	7-22-68
58-124	3-24-69
7-A83-24	8-15-68

FLOOR PANEL DETAILS
FOR
WORLD TRADE CENTER - N.Y.C.
FOR
THE PORT OF NEW YORK AUTHORITY

BLDG. B FLOORS 25 (EAST & WEST) 59 (WEST)

PANEL B7A - "x 59'-9"

FABRICATION BY LACLEDE STEEL COMPANY

FABRICATED AT MADISON, ILLINOIS		DESIGN DRAWING NO. 7-A83-26	PLATE
APPROVED FOR FABRICATION BY FOR P.O.N.Y.A.	DATE	DRAWN BY [illegible] DATE MAY 8, 1968	
APPROVED FOR FABRICATION BY FOR FABRICATOR	DATE	CHECKED BY T.N. CHURA DATE MAY 8, 1969	IN CHARGE OF PROD. DEV.
DETAILED BY [illegible]		FABRICATION CONT. NO. W.T.C. 221	SHEET NO. FD B7A