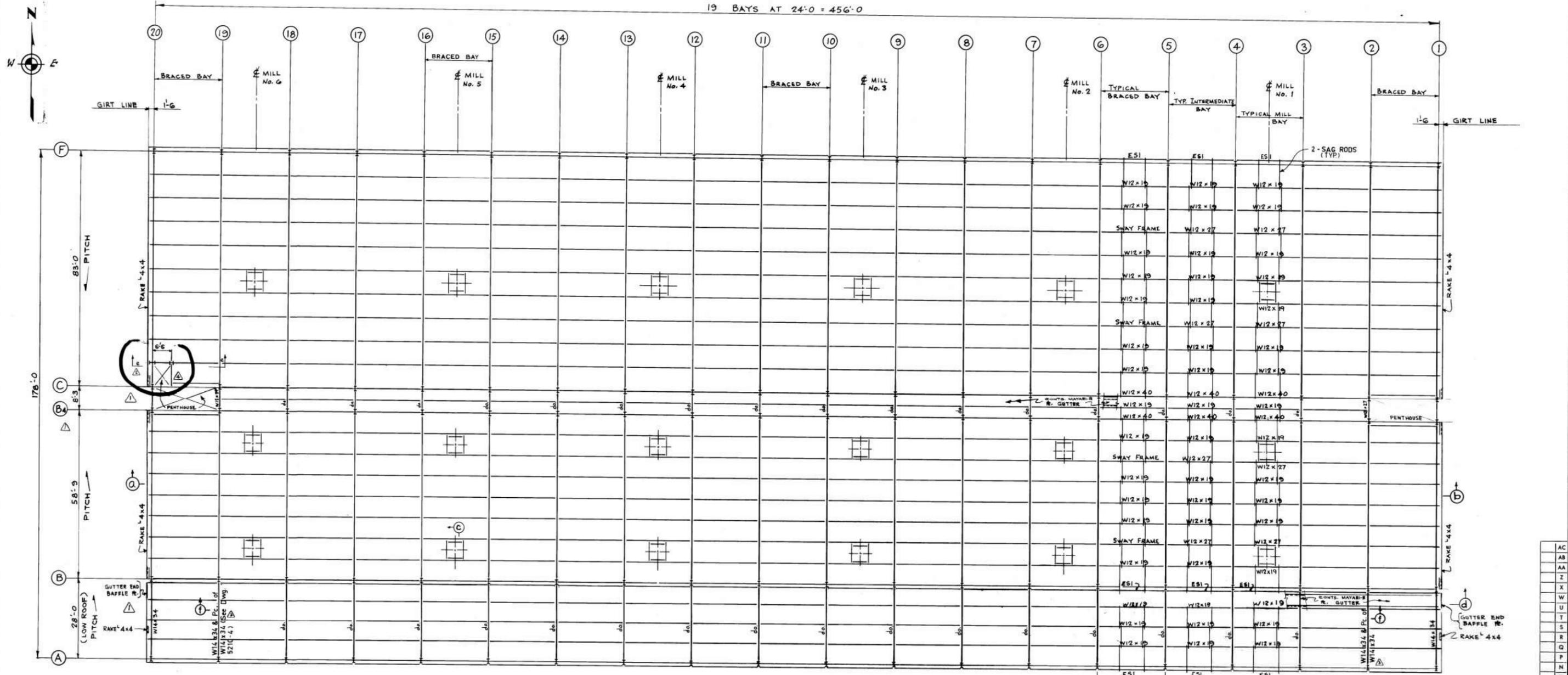
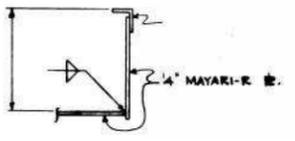
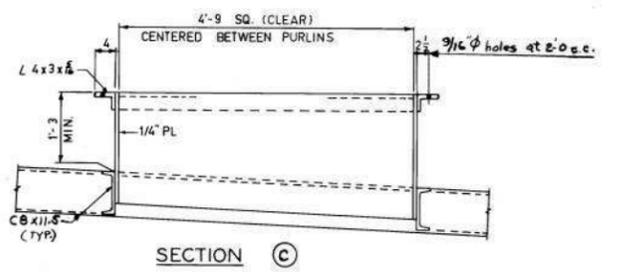
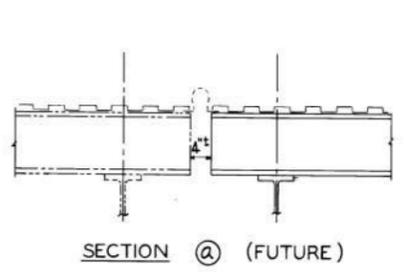
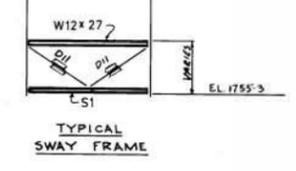
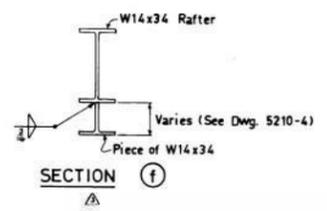
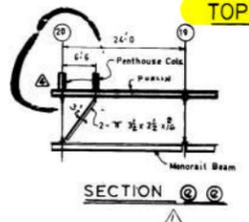
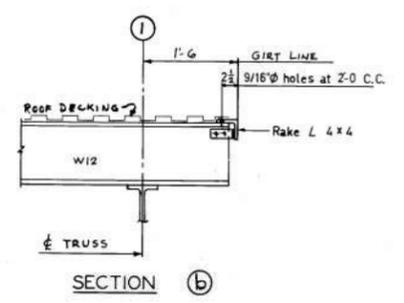
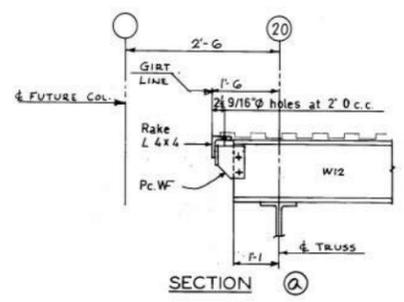


19 BAYS AT 24'-0" = 456'-0"



TOP CHORD PLAN

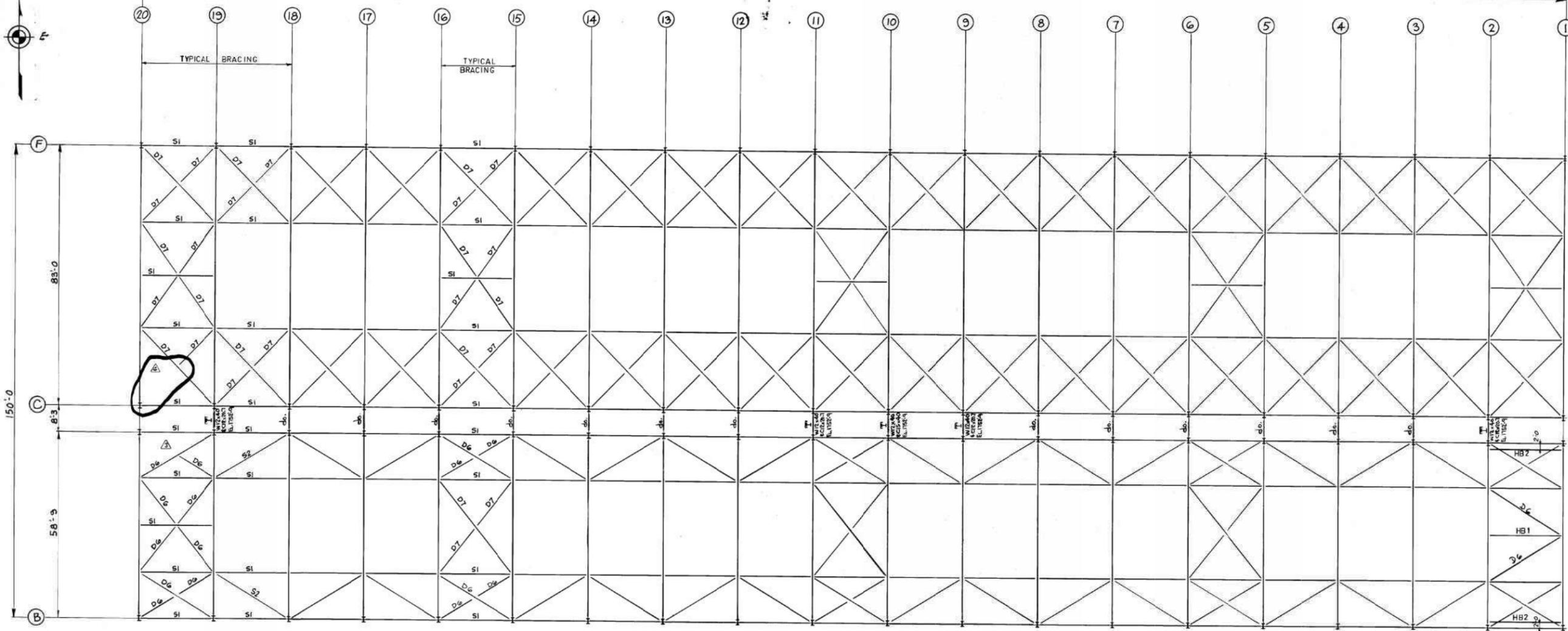
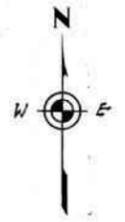


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1/10" = 1' 0" 1/8" = 1' 0" 3/16" = 3/4" 0"

NOT ISSUED

10 BAYS AT 24'-0" = 456'-0"

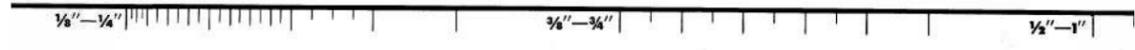


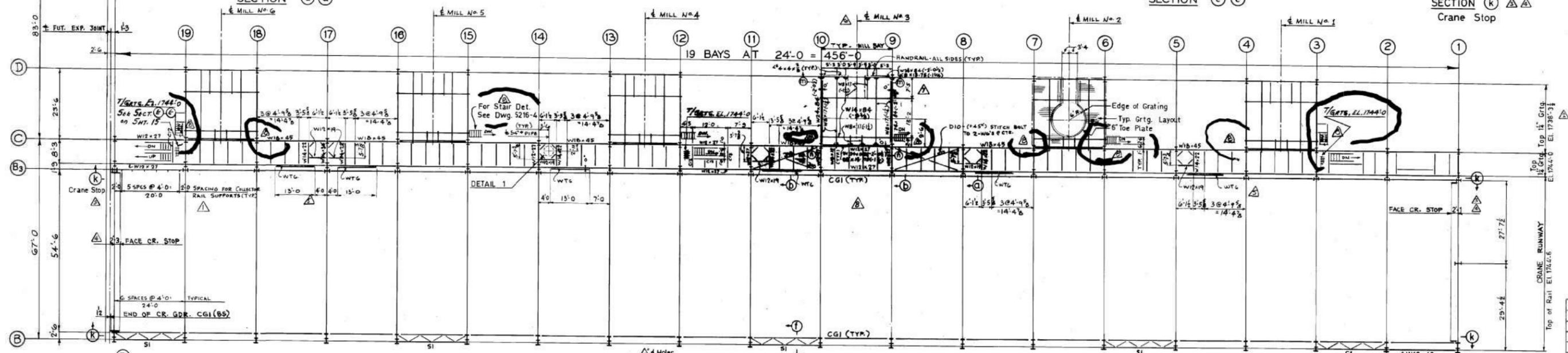
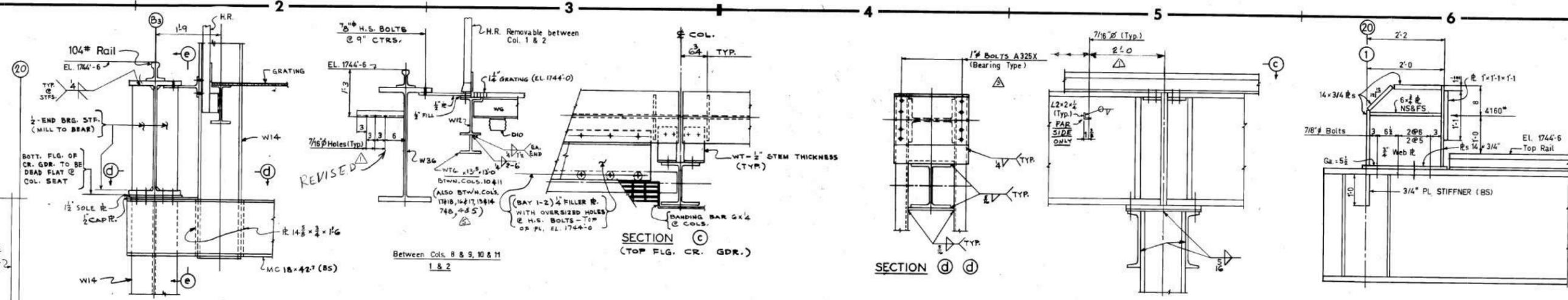
BOTTOM CHORD PLAN

FOR LOCATION & DETAILS OF LIGHTING BRACKETS MOUNTED ON BOTT. CHORD. SEE DWG. 3611-4, Rev. 2



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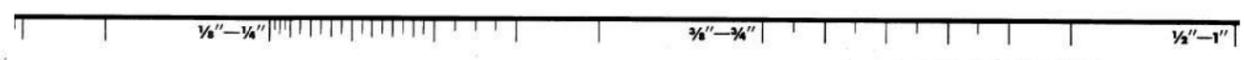
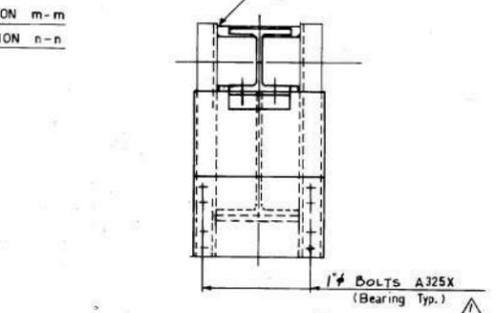
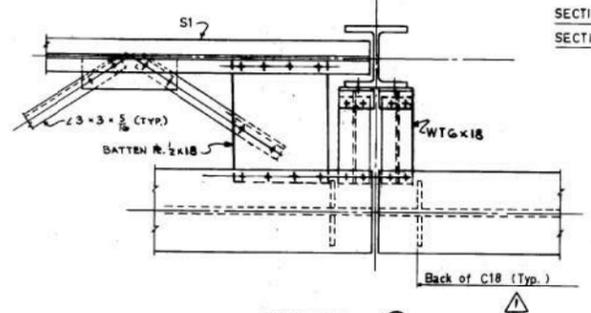
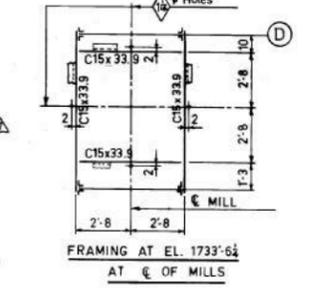
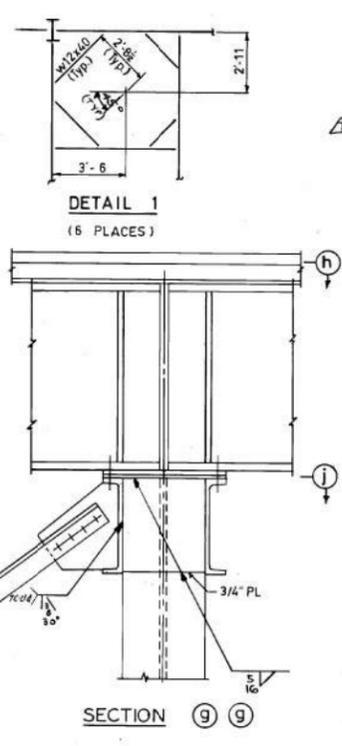
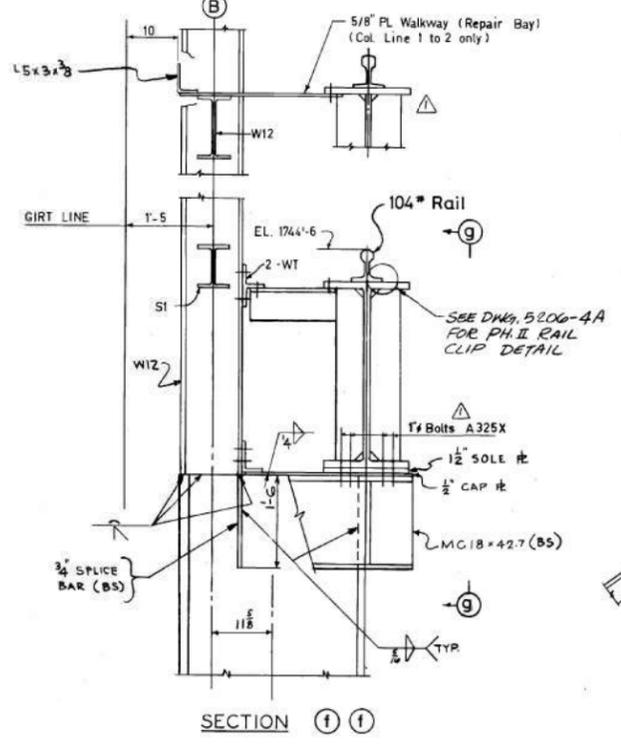
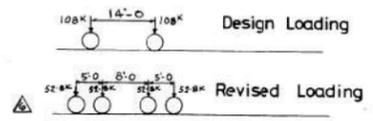




PLAN OF CRANE GIRDER AND PLATFORM ELEVATION 1738'-3 1/2" & 1744'-0"

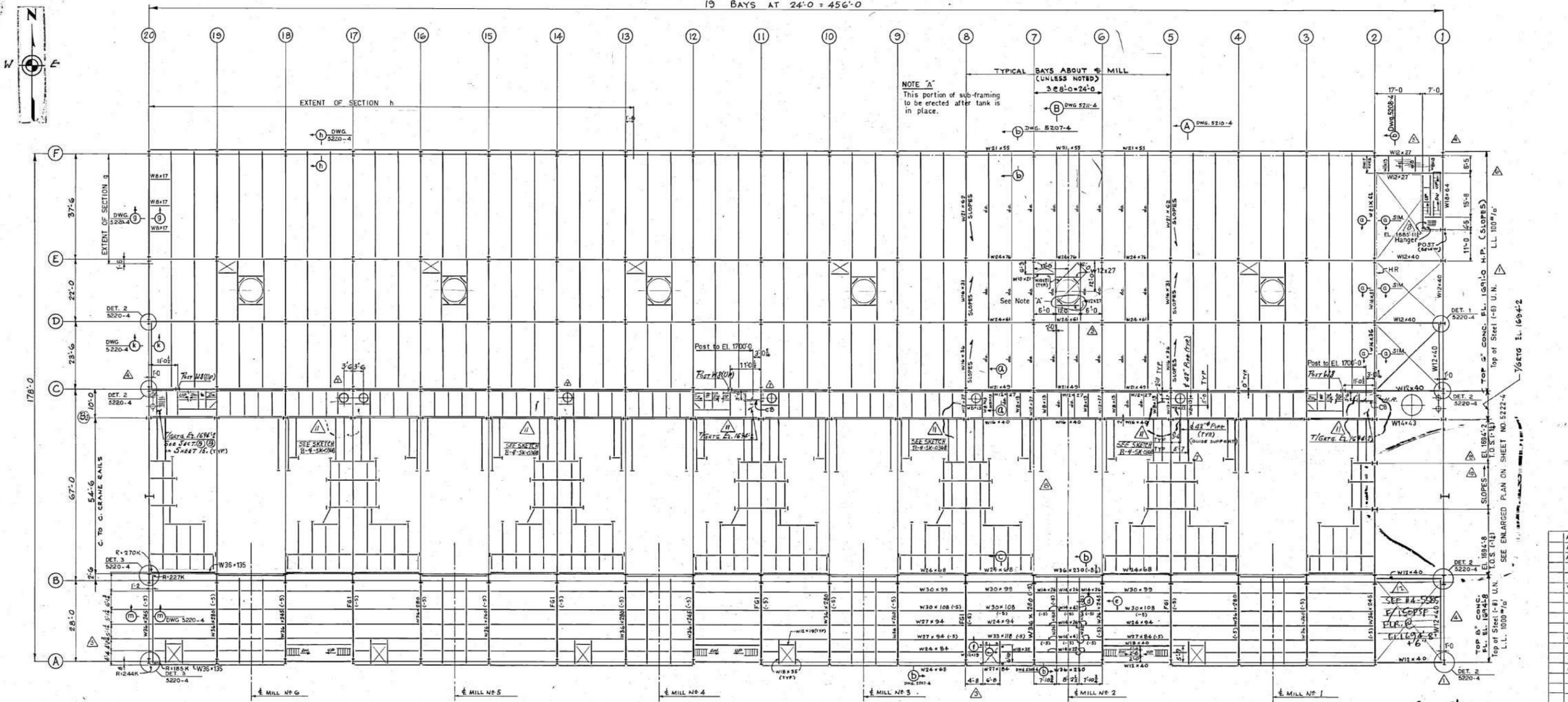
SECT.	m-m	5'-3"	3'-0"	7'-6"	3'-0"	5'-3"	
SECT. m-m	5'-3"	3'-0"	7'-6"	3'-0"	5'-3"		10 to 9 Lines
SECT. n-n	5'-3"	3'-3"	7'-0"	3'-3"	5'-3"		All Others
SECT. n-n	5'-3"	4'-6"	4'-6"	4'-6"	5'-3"		

CRANE GIRDER GG1-24'-0"
 36WF230 - END BEARING STFS. BAR 7x2
 Max. vert. mom. 815 %ft. (7G1)
 Max. horiz. mom. 30 %ft. (4Z)
 Max. vert. shear 189K (1G3)
 Max. horiz. shear 7K (5)



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19 BAYS AT 24'-0" = 456'-0"

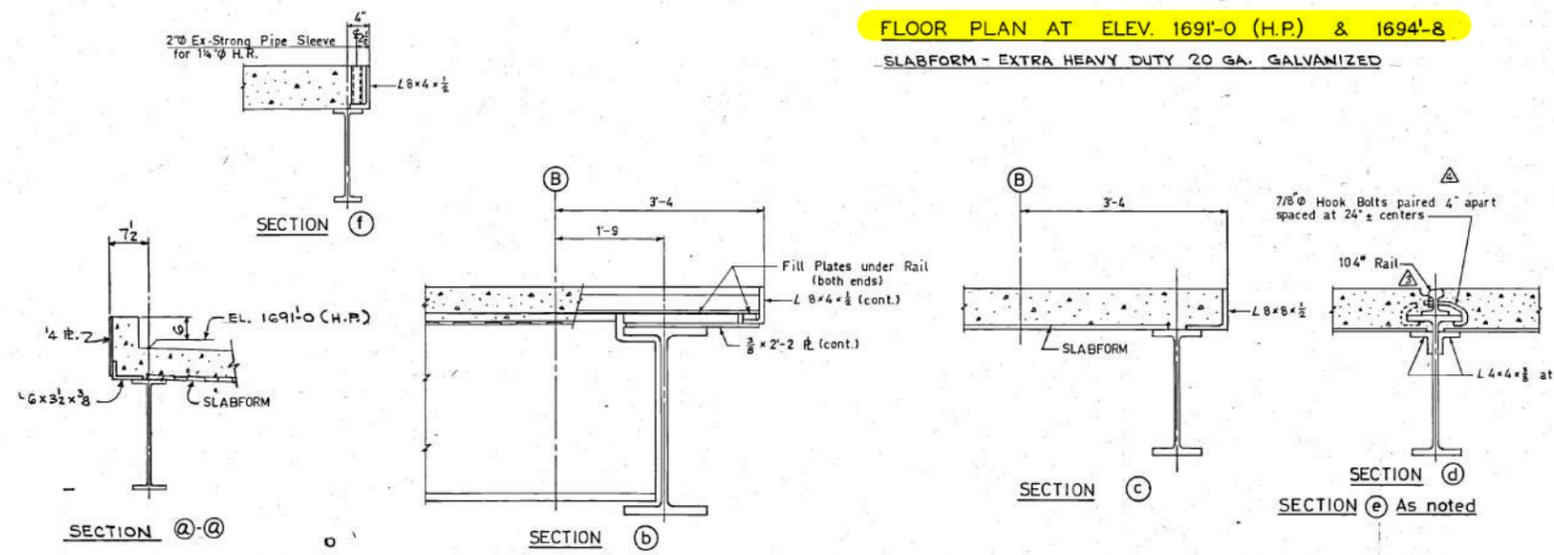


NOTE A
This portion of sub-framing to be erected after tank is in place.

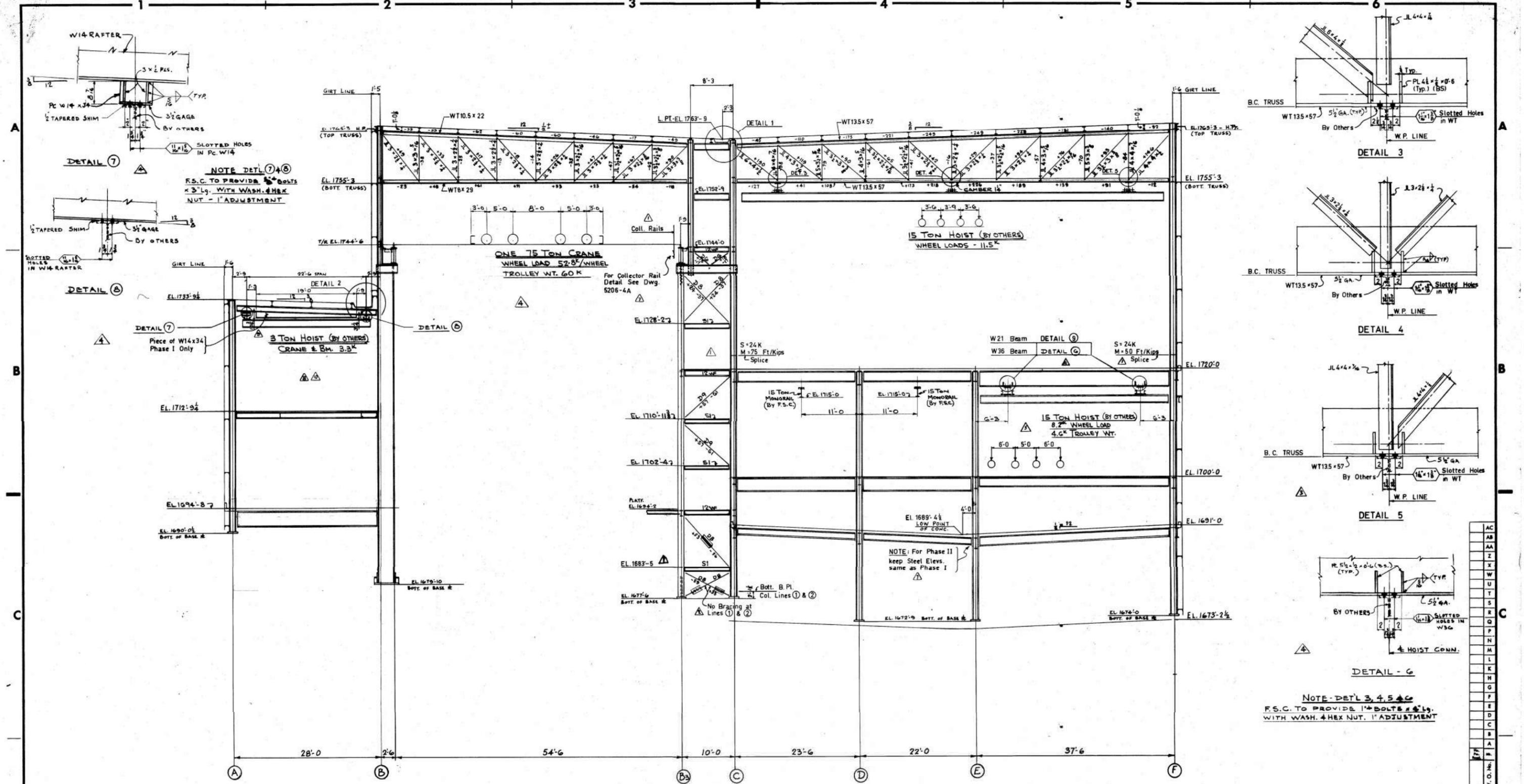
FLOOR PLAN AT ELEV. 1691'-0" (H.P.) & 1694'-8"
SLABFORM - EXTRA HEAVY DUTY 20 GA. GALVANIZED

FLOOR GIRDER SCHEDULE					
MARK	SPAN	MAX. MOM. FT. KIPS	MAX. SHEAR KIPS AT EA. END	SKETCH	REMARKS
FG1	26'-0"	2850	(N) 394 (S) 356		

REV. 11-1-76 FOR CONSTRUCTION HTP 671
NO CHANGES



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SECTION (A) (A) (Looking West)

NOTE DETL 7 & 8
 F.S.C. TO PROVIDE 1" BOLTS x 3" Lg. WITH WASH. & HEX NUT - 1" ADJUSTMENT

NOTE - DETL 3, 4, 5 & 6
 F.S.C. TO PROVIDE 1" BOLTS x 3" Lg. WITH WASH. & HEX NUT. 1" ADJUSTMENT

15 TON HOIST (BY OTHERS)
 WHEEL LOADS - 11.5 K

ONE 75 TON CRANE
 WHEEL LOAD 52.8 K/WHEEL
 TROLLEY WT. 60 K

3 TON HOIST (BY OTHERS)
 CRANE & BM. 3.3 K

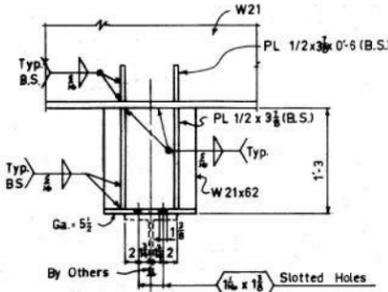
W21 Beam DETAIL 9
 W36 Beam DETAIL 6
 S-24K M=50 Ft/Kips Splice

15 TON MONORAIL (BY OTHERS)
 8.2 K WHEEL LOAD
 4.6 K TROLLEY WT.

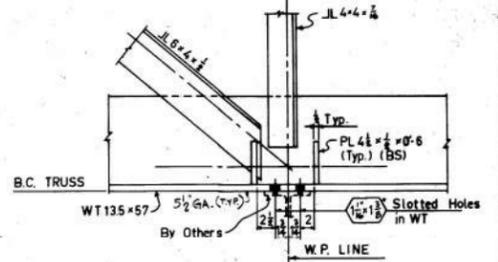
NOTE: For Phase II
 keep Steel Elevs.
 same as Phase I

No Bracing at
 Lines 1 & 2

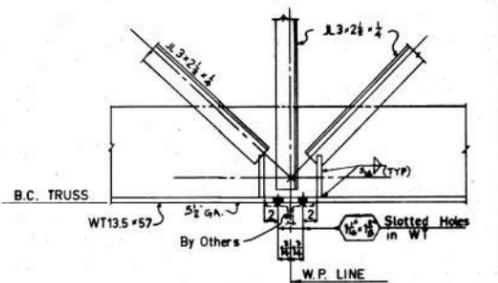
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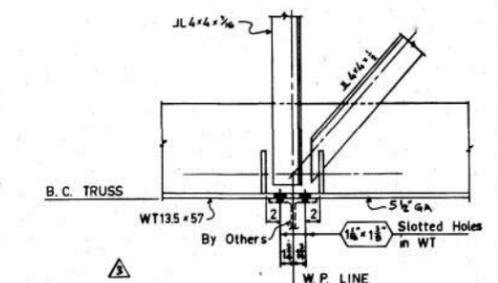
DETAIL 9



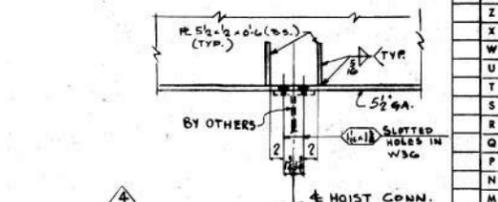
DETAIL 3



DETAIL 4



DETAIL 5

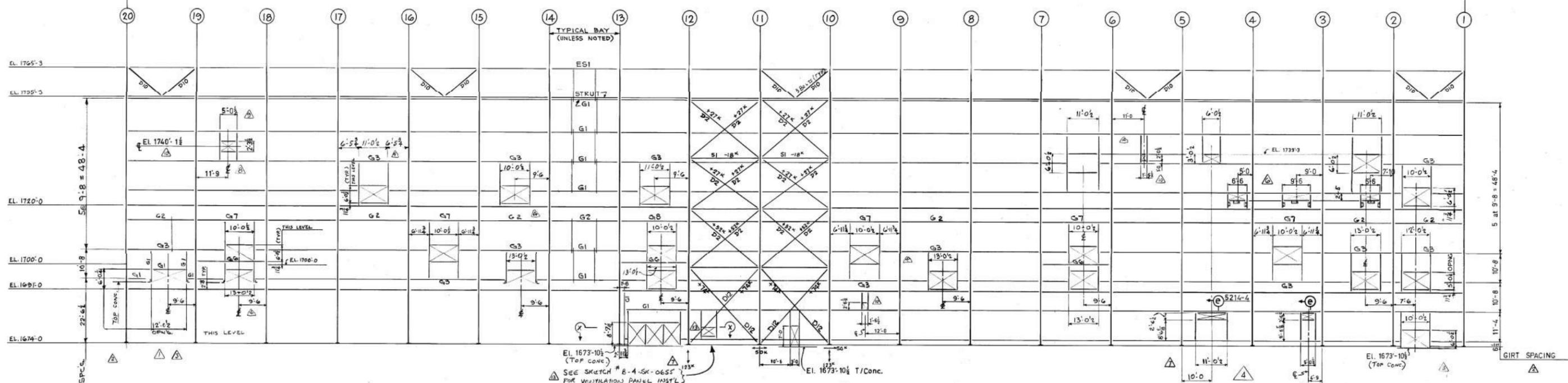


DETAIL 6

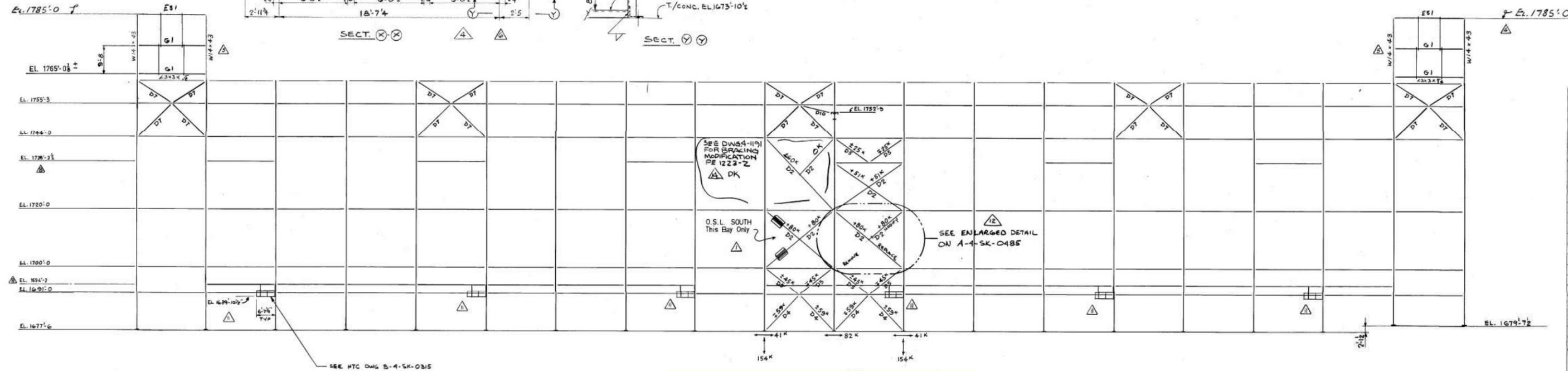
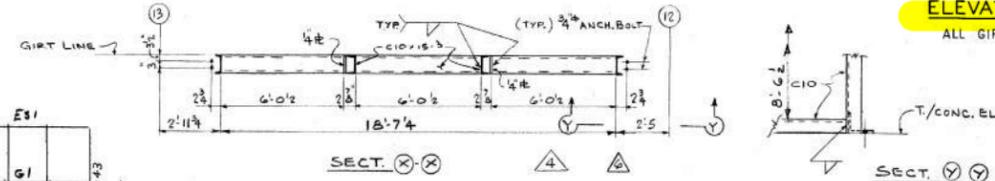
NOTE - DETL 3, 4, 5 & 6
 F.S.C. TO PROVIDE 1" BOLTS x 3" Lg. WITH WASH. & HEX NUT. 1" ADJUSTMENT



19 BAYS AT 24'-0" = 456'-0"



ELEVATION ALONG LINE F (Looking North)
ALL GIRTS G1 EXCEPT AS NOTED



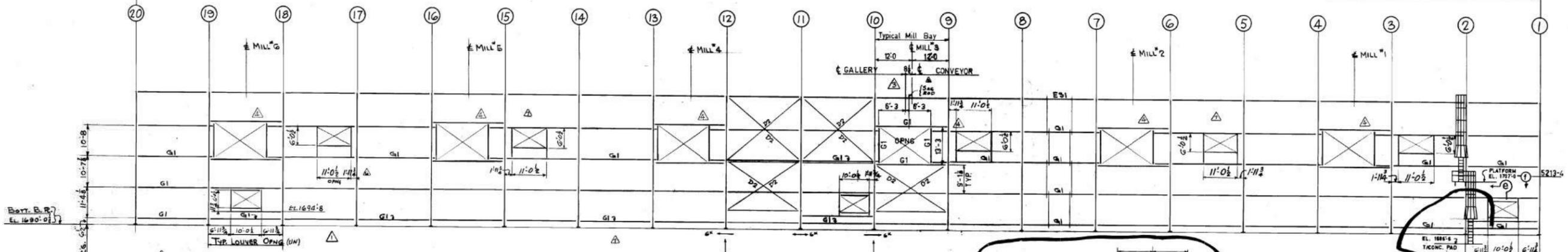
ELEVATION ALONG LINE C (Looking North)

NOTES FOR BRACING

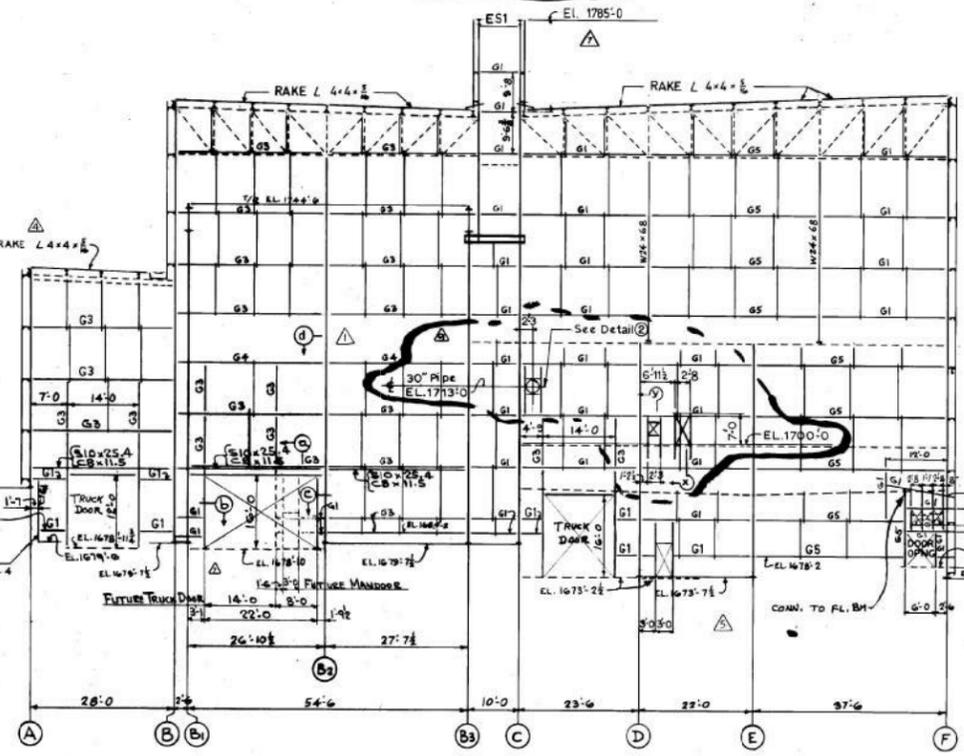
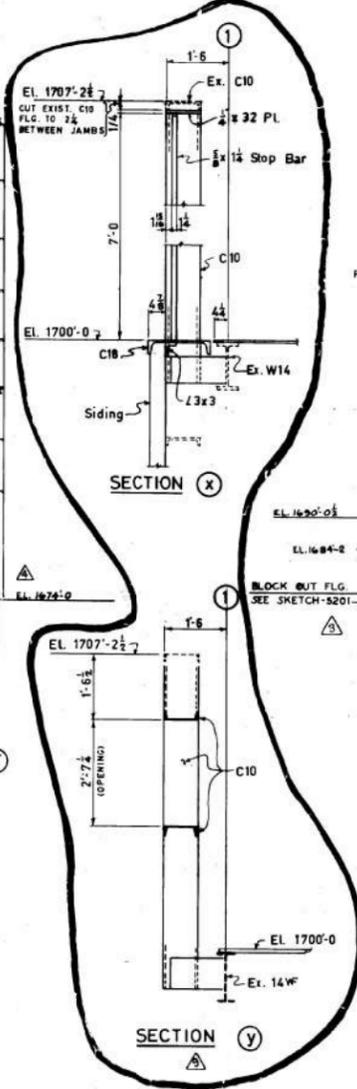
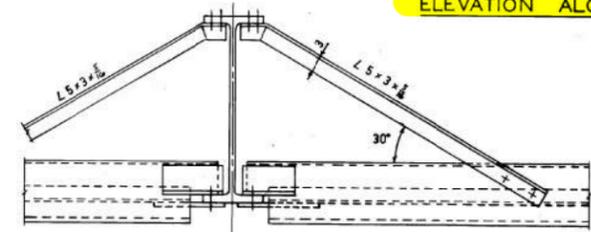
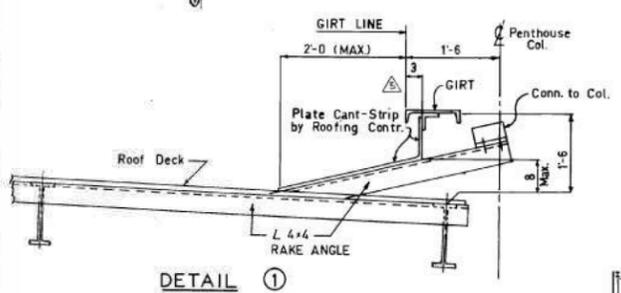
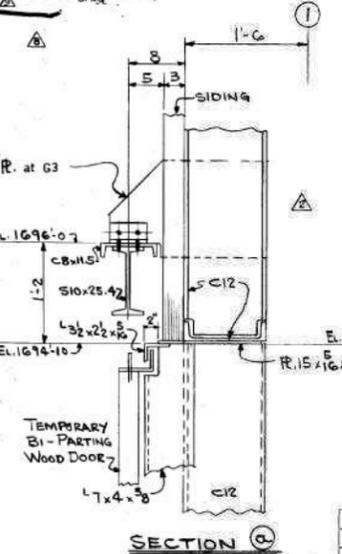
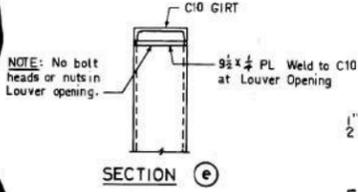
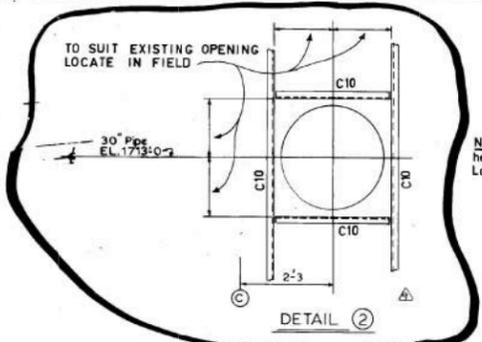
- LOADING CONDITIONS:
 1. 100% LONGITUDINAL WIND ONLY.
 2. 50% LONGITUDINAL WIND PLUS LARGER OF:
 - A) LONGITUDINAL THRUST OF CRANE.
 - B) BUMPER FORCE OF CRANE.
 3. NO LONGITUDINAL WIND, BUT THE LARGER OF:
 - A) LONGITUDINAL THRUST OF CRANE.
 - B) BUMPER FORCE OF CRANE.
- WHERE LOADINGS ARE GOVERN THE MEMBER FORCES AND COLUMN BASE REACTIONS SHOWN ALREADY REFLECT THE 33% REDUCTION ALLOWED FOR WIND-RELATED LOADINGS.
- COLUMN BASE REACTIONS SHOWN ARE AS INDUCED BY BRACING ALONE.

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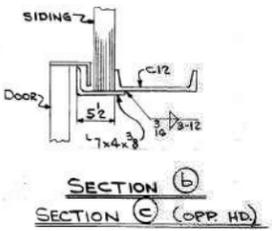
19 BAYS AT 24'-0" = 456'-0"



ELEVATION ALONG LINE (A) (Looking North)

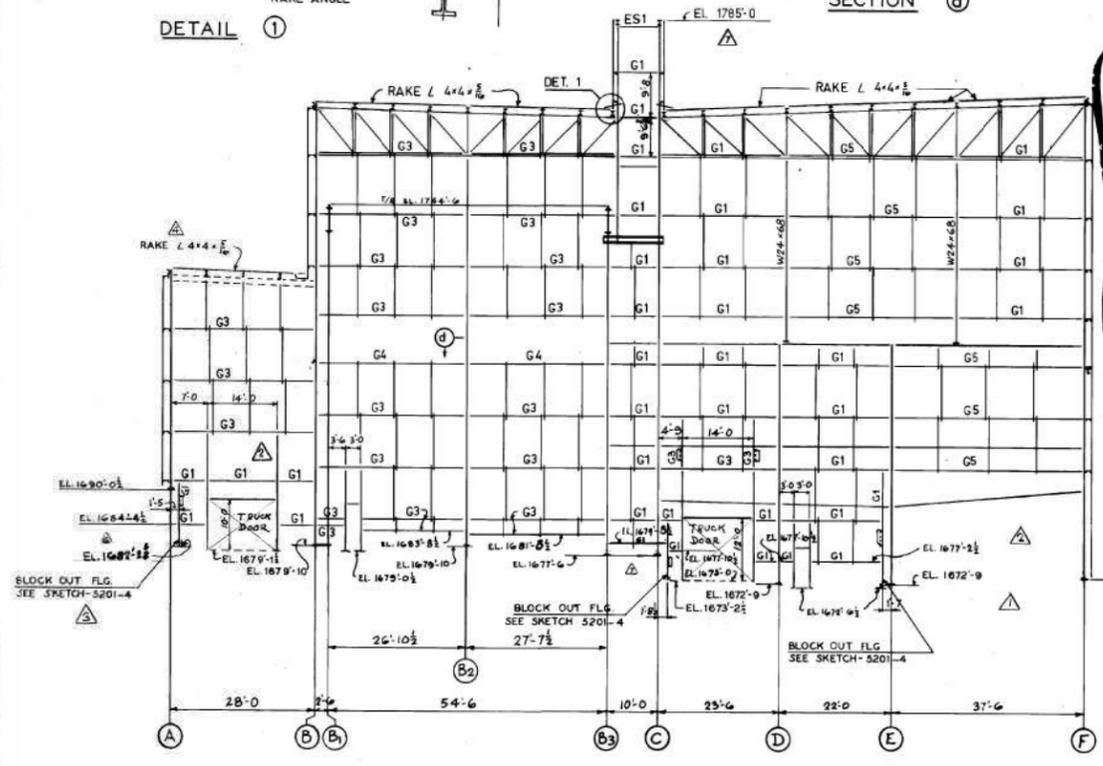


ELEVATION ALONG LINE (1) (Looking West)

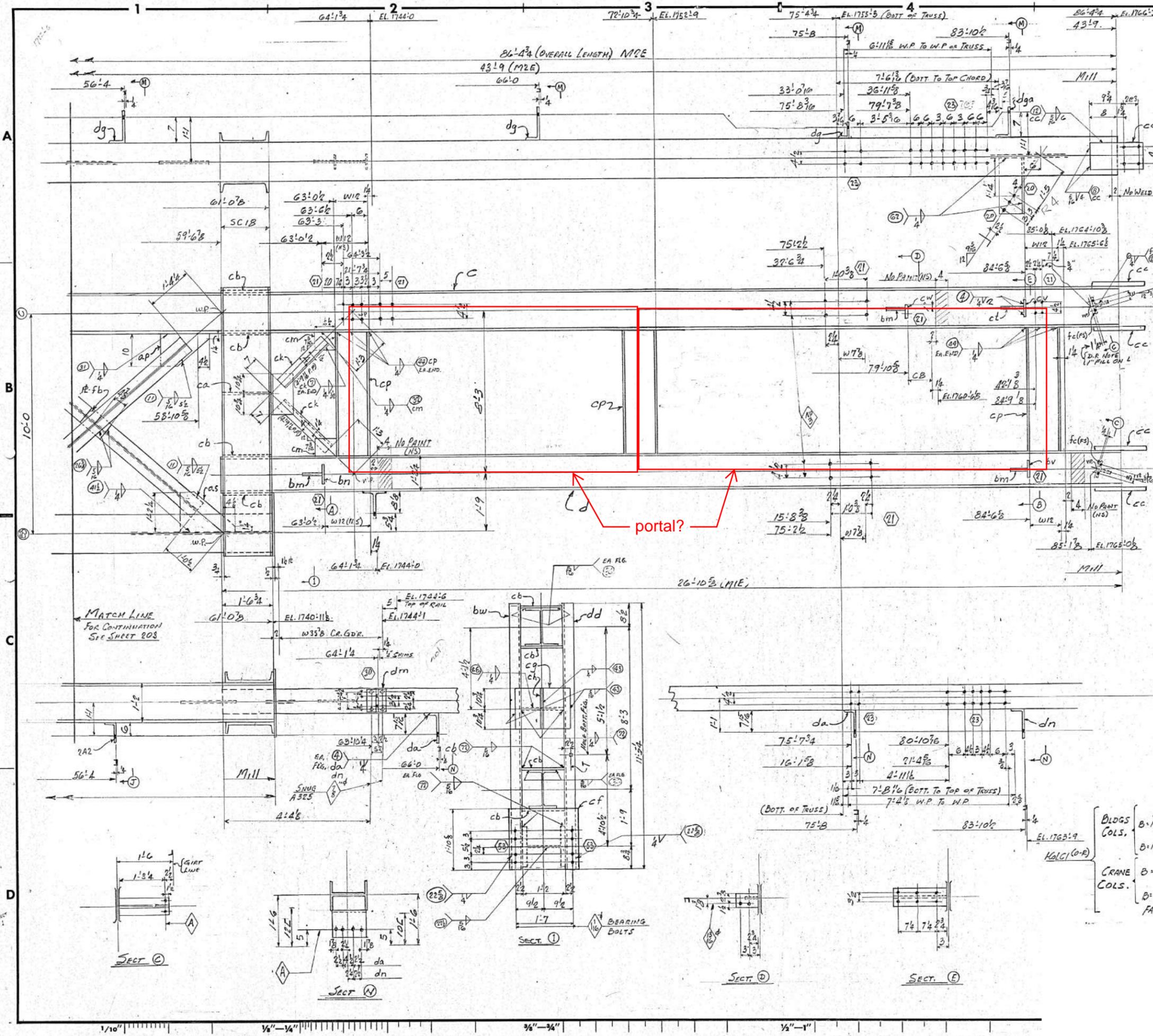


ELEVATION ALONG LINE (20) (Looking West)

West end wall



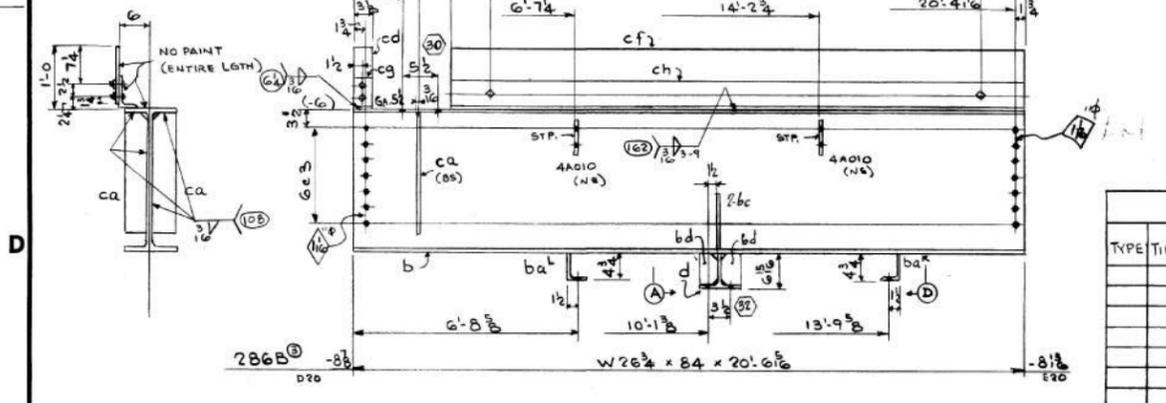
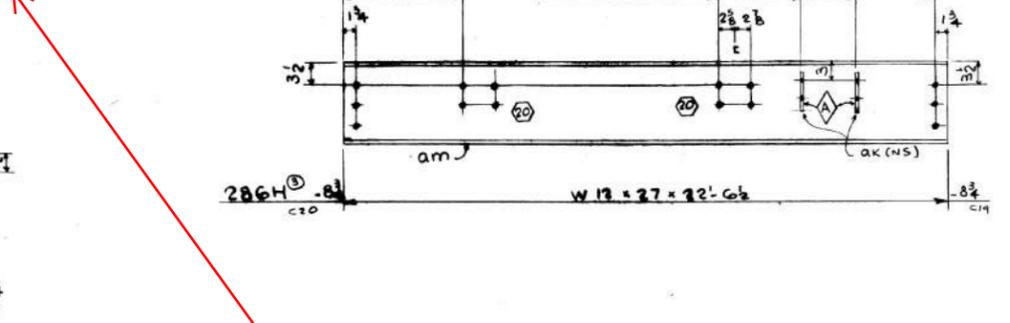
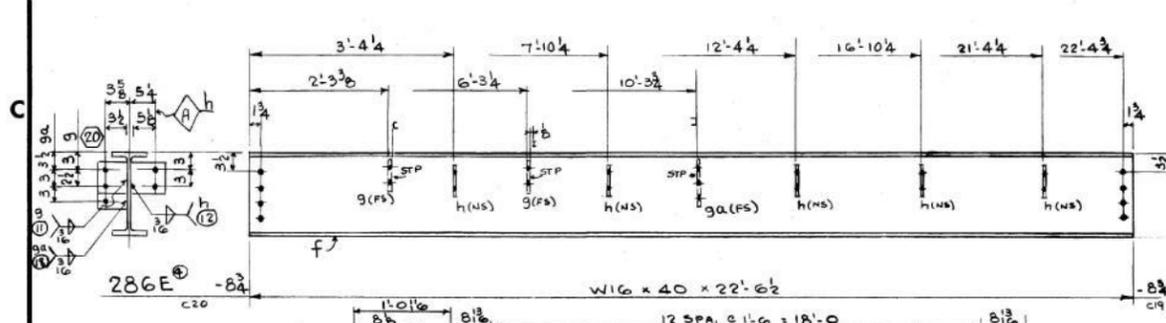
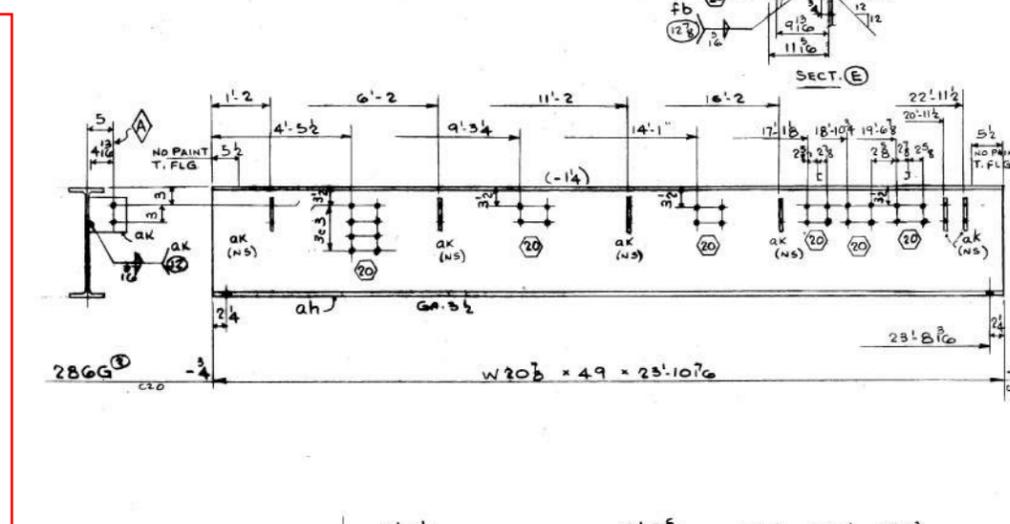
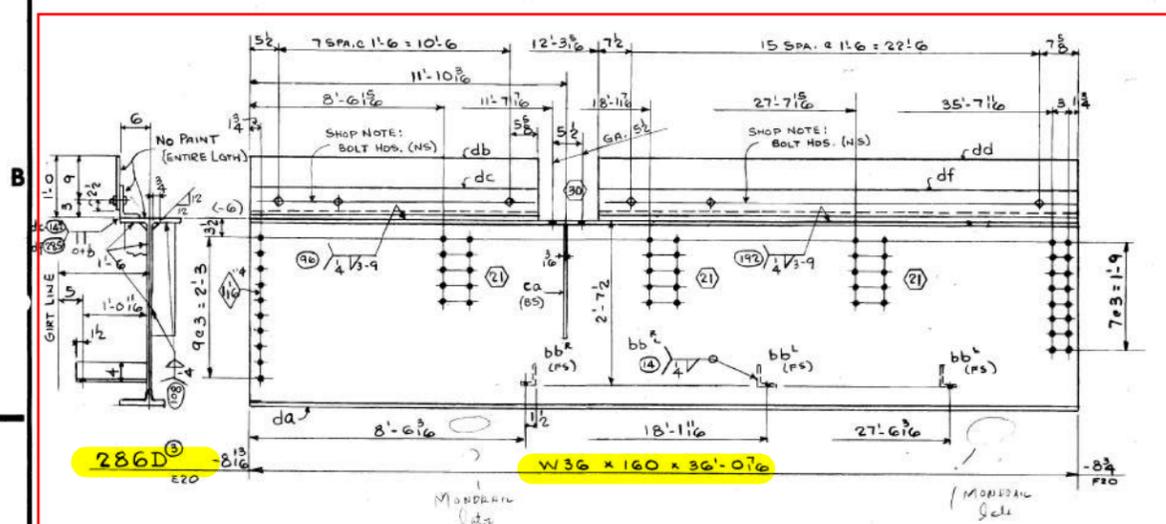
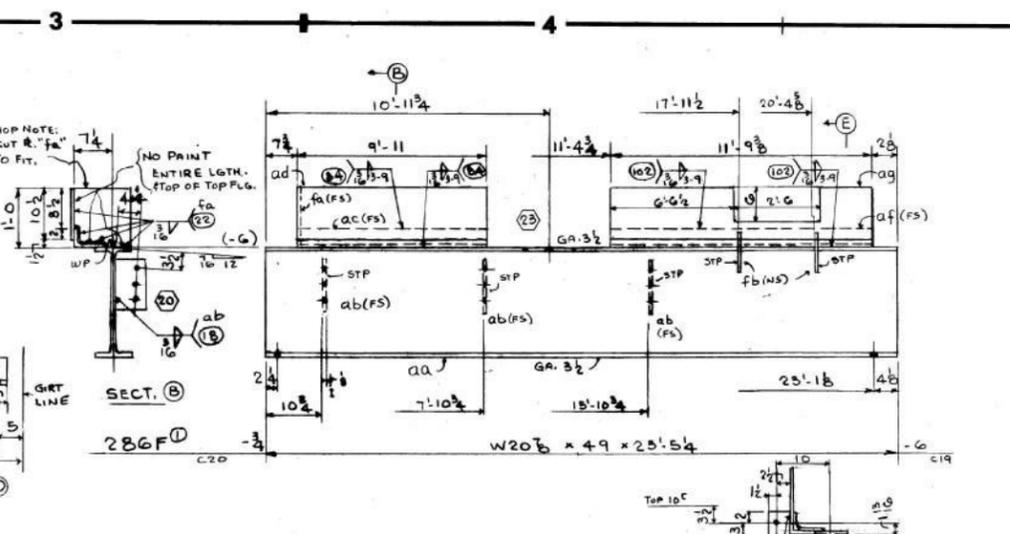
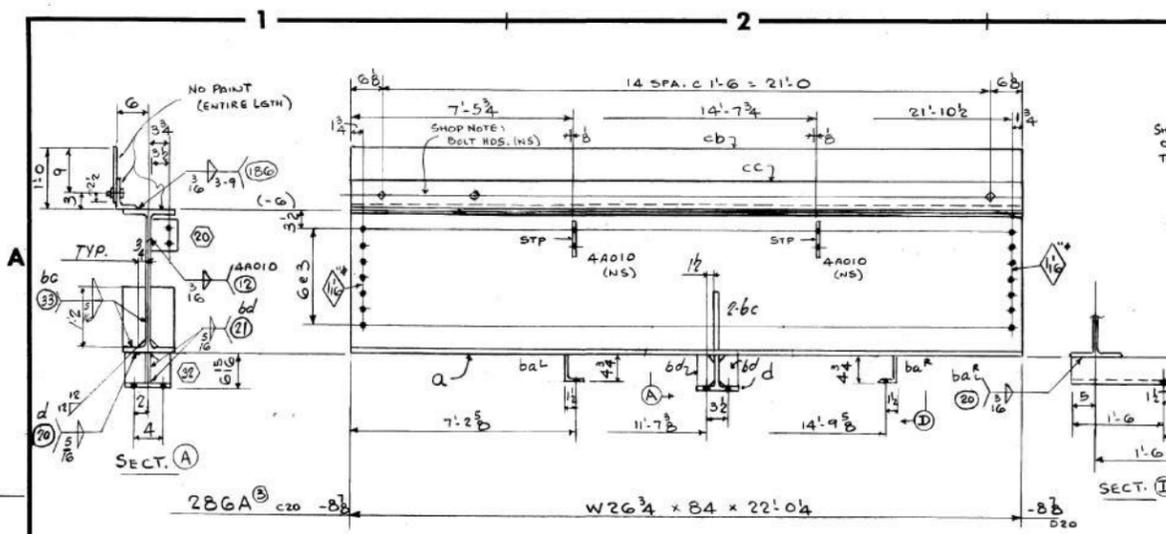
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SHOP BILL										MAIL ORDER			
ITEM	ASSEMBLY MARK	NO.	SHAPE	SECTION		LENGTH		REMARKS	QTY	THICK	ITEM	QTY	
				SIZE OR POUNDS	THICK	FT.	IN.						FT.
1				1	DOUBLE COL.	C1	(O-R)						
2	a	1	W 14	103		42	7 3/4 (M2E)				AA	9 1/2 B	206 06
2	b	1	W 14	87		61	0 3/8 (M2E)				63	2 3/8	205 02
2	c	1	W 14	84		43	9 (M2E)				42	10 1/2	206 16
2	d	1	W 14	74		26	10 5/8 (M2E)				27	4 A	214 02
7	dn	1	C 18	22.7			1 1/4				48	0	216 05
8	f	4	PL 24			3/4	2 6			54	20	0 A	220 02
9	aa	2	PL 7			3/4	2 6						
10	ab	2	PL 7			3/4	2 6						
12	ad	2	PL 7			3/4	2 6						
13	ac	10	PL 7			3/4	1 1/2						
14	ag	2	PL 7			3/4	2 6						
15	ah	1	PL 10 1/2			3/8	1 3			54	20	0	217 03
16	ak	1	PL 12 1/2			3/8	1 2 1/4						
17	am	1	WT 6 18			13	0				40	0	221 02
18	an	1	WT 6 18			12	11						
19	ap	1	PL 10			3/8	1 3/2			54	20	0	217 07
20	as	1	PL 14 1/2			3/8	1 3 3/4						
21	at	4	W 8 24			9	4 1/2				38	6	221 12
22	av	1	WT 6 18			12	1 1/2				40	0	221 12
23	ay	1	PL 12			3/8	1 2 1/4			54	20	0	217 03
24	ba	1	PL 13 1/2			3/8	1 6 1/4						
25	bb	1	PL 13 1/2			3/8	1 2 1/2						
26	bc	1	PL 13 1/2			3/8	1 7						
27	bd	1	PL 13 1/2			3/8	1 7 1/2						
28	bf	1	PL 13 1/2			3/8	1 3						
29	bg	1	W 12 27			9	4 1/2				38	6	221 14
30	bh	1	WT 6 22.5			10	11 3/8				26	0	217 06
31	bk	1	WT 6 22.5			10	11 3/8			54	20	0 A	217 08
32	bm	6	BR 4			1/2	0 6						
33	bn	3	BR 4			1/2	0 8						
34	bp	1	BR 5			1/2	0 9						
35	bt	3	BR 5			1/2	0 9						
36	bv	2	BR 4			1/2	0 6						
37	bw	1	SC 15 A2.2			11	5 1/4				48	0	216 05
38	d9a	1	L 9 4			1/2	1 1 1/4						
39	ca	1	PL 14			3/8	1 6			54	20	0	217 03
40	cb	4	PL 14			3/4	1 6						
41	cc	4	PL 8			3/8	1 5 1/4			54	20	0 A	220 02
42	dm	1	W 21 82			0	7 1/2 (10)						
43	cf	1	PL 27 3/8			1/2	1 11			54	20	0 A	217 08
44	cg	1	PL 18			3/8	1 9 1/2			54	20	0	217 03
45	ch	1	PL 6 3/4			3/8	1 9 1/2						
46	ck	2	L 4 8			5/16	2 11 1/2				40	0	221 10
47	cm	2	BR 6 1/2			3/8	0 10			54	20	0	217 03
48	dk	1	W 12 27			9	4 1/2				38	6	221 14
49	cp	3	WT 12 27			7	0 1/2				36	3	16
50	cl	1	PL 9 1/4			3/8	1 7 1/2			54	20	0	217 03
51	cv	1	PL 6 1/2			3/8	1 7 1/2						
52	cw	1	BR 3 3/8			3/8	0 7 1/4						
53	fb	1	PL 6 3/8			3/8	0 9 3/4						
54	da	2	C 18 A2.2			1	1 4				48	0	216 05
55	2A2	5	L 8 4			1/8	1 0						
56	db	3	L 8 4			1/8	0 5				40	0	218 02
57	dc	1	L 8 A2.2			1/8	0 8 1/2						
58	dd	1	SC 18 A2.2			11	5 1/4				48	0	216 05
59	df	5	L 8 4			7/16	1 1/4				40	0	218 02
60	dg	4	L 9 4			1/2	1 1 1/4						
61	dh	1	PL 14			1/2	1 9 3/8			54	20	0 A	217 08
62	fc	2	W 16 26			1	4 3/4 (6)						
63	fw	1	WD			1/4	102 6						
64	fw	1	WD			5/16	230 6						
65	TASP	1	WD			1/2	10 0	R.O.=0					
66	BASP	1	WD			3/8	2 0	R.O.=0					
67	fw	1	WD			5/16	1 0	R.O.=0					
68	fw	1	WD			3/16	4 8						
69	fw	4	305 7/8			0 1 3/8							
70	fw	4	HW 18A18			3 1/16							

BOLTS
 COLS.
 W14 x 103
 B=14 1/2 W=1/2 G=1/2
 W14 x 84
 B=12 W=1/2 G=1/2
 W12 x 87
 B=12 1/2 W=1/2 G=1/2
 W14 x 74
 B=10 1/2 W=1/2 G=1/2
 FACE (A) NORTH

Fabrication drawing 2
 Double-column tower
 (Column lines B3 & C)



SHOP BILL										MILL ORDER	
LINE	ASSEMBLY MARK	NO.	SHAPE	SECTION	SIZE OR FINISH	THICK.	LENGTH	REMARKS	THICK.	LENGTH	ITEM
							FT.			FT.	LINE
1											
2											
3	A	1	W	27	84		22	0 1/4		22	8 3/8
4											
5	d	1	W	18	85		0	10	(6 1/2)	75	0
6	4A010	2	BR	5			0	6			
7	ba	1	L	4	3 1/2	3	1	7 1/2	c.f. 5x3	37	0
8	bd	2	PL	4			1/2	0	6	54	2
9	cb	1	PL	11 1/2			1/4	22	0 1/4	48	2 1/2
10	cc	1	L	6	6		0	22	0 1/4	40	0
11	bc	2	PL	4			1/2	1	2	54	2
12	fw	1	WD				3	1	2		
13	fw	1	WD				3	1	2		
14	fw	1	WD				3	1	2		
15	fw	1	WD				3	1	2		
16											
17	ca	1	W	36	160		36	0 1/2		36	0 1/2
18	db	1	PL	11 1/2			1/4	11	5 1/2	48	2 1/2
19	dc	1	L	6	6		0	11	5 1/2		
20	dd	1	PL	11 1/2			1/4	23	9 1/2	42	2 7/8
21	df	1	L	6	6		0	23	9 1/2		
22	bb	2	L	4	3	4	1	2	1	54	2
23	ca	2	BR	4 1/2			0	11	3 1/2		
24	fw	1	WD				3	36	9 1/2		
25	sb	1	WD				0	35	3		
26	24	MB					0	1 1/4			
27											
28											
29											
30											
31	f	1	W	16	40		22	6 1/2		54	2 0
32	g	2	BR	5			0	5 1/2			
33	h	5	BR	6 1/2			0	6			
34	ga	1	BR	5			0	9			
35											
36	fw	1	WD				3	8	4		
37											
38											
39											
40	qa	1	W	21	49		23	5 1/4		23	10 1/2
41	ab	3	BR	5 1/2			3	0	9	54	2 0
42	ac	1	L	6	3 1/2		0	9	11		
43	ad	1	PL	10 1/2			1/4	9	11	42	2 4
44	af	1	L	6	3 1/2		0	11	9 1/2		
45	ag	1	PL	10 1/2			1/4	11	9 1/2	42	2 4
46	fa	1	PL	12			0	10 1/2		54	2 1/2
47	fb	2	BR	7			0	11 1/2			
48	fw	1	WD				3	39	6		
49											
50											
51	ah	1	W	21	49		23	10 1/2		23	10 1/2
52	ak	6	BR	6 1/4			0	6		54	2 0
53	fw	1	WD				3	6	0		
54											
55											
56	am	1	W	12	27		22	6 1/2		54	2 0
57	ak	2	BR				0	0			
58	fw	1	WD				3	0			
59											
60	b	1	W	27	84		20	6 1/2	5 HASEROCK TOWICE 7-1-74	21	10 1/2
61	bc	2	BR				0	0		54	2 0
62	bd	1	L				0	0		37	0
63	cd	1	PL				0	0		33	0
64	ce	1	PL				0	0		24	0
65	cd	1	PL	11 1/2			1/4	0	5 1/2	42	2 7/8
66	cf	1	PL	11 1/2			1/4	19	5 1/2	48	2 4
67	ca	1	L	6	6		0	9	11 1/2		
68	fw	1	WD				3	11			
69	fw	1	WD				3	11			
70	fw	1	WD				3	11			

REQUIRED LIST							
TYPE	TIER	INSTALLMENTS		NO. REQD.	MARK	DESCRIPTION AND APPROX. SHIPPING LENGTH	WEIGHT EACH
		F1	C1				
				1	286A	BEAM - W27 x 84 x 22'-0	P
				1	286B	- L x 21'-0	P
				1	286D	- W36 x 160 x 36'-0	P
				1	286E	- W16 x 40 x 23'-0	P
				1	286F	- W21 x 49 x 24'-0	P
				1	286G	- L	P
				1	W286H	- W12 x 27 x 23'-0	P

MATL: A36 STL.
 A25 FIELD BOLTS (U.N. A307)
 OPEN HOLES: 1/8"
 BRAN
 PAINT: ONE COAT - B.S. M-1 TYPE III ZINC CHROMATE PRIMER TO 1.5 MIL U.N. THICKNESS U.N. SSPC-SP2 CLEANING
 WELDING: E70 XX
 SHOP CONTACT SURFACES

Fabrication drawing 3
 Typical girder at El. 1720'-0"
 (Between column lines E & F)

