

FILE COPY

Office-Supreme Court, U.S.
FILED

SEP 3 1968

Number 9 Original

JOHN F. DAVIS, CLERK

**In the
Supreme Court of the United States**

OCTOBER TERM 1968

UNITED STATES OF AMERICA,

Plaintiff,

v.

STATE OF LOUISIANA, ET AL.

**Appendix G, Map Exhibits and Related Materials for
Brief of the State of Louisiana in Support of its
Motion for Entry of Supplemental Decree No. 2**

JACK P. F. GREMILLION,

Attorney General,
State of Louisiana,
2201 State Capitol,
Baton Rouge, Louisiana.

VICTOR A. SACHSE,

PAUL M. HEBERT,

THOMAS W. LEIGH,

ROBERT F. KENNON,

W. SCOTT WILKINSON,

J. J. DAVIDSON,

OLIVER P. STOCKWELL,

J. B. MILLER,

FREDERICK W. ELLIS,

ANTHONY J. CORRERO III,

Special Assistant Attorneys General,
State of Louisiana.

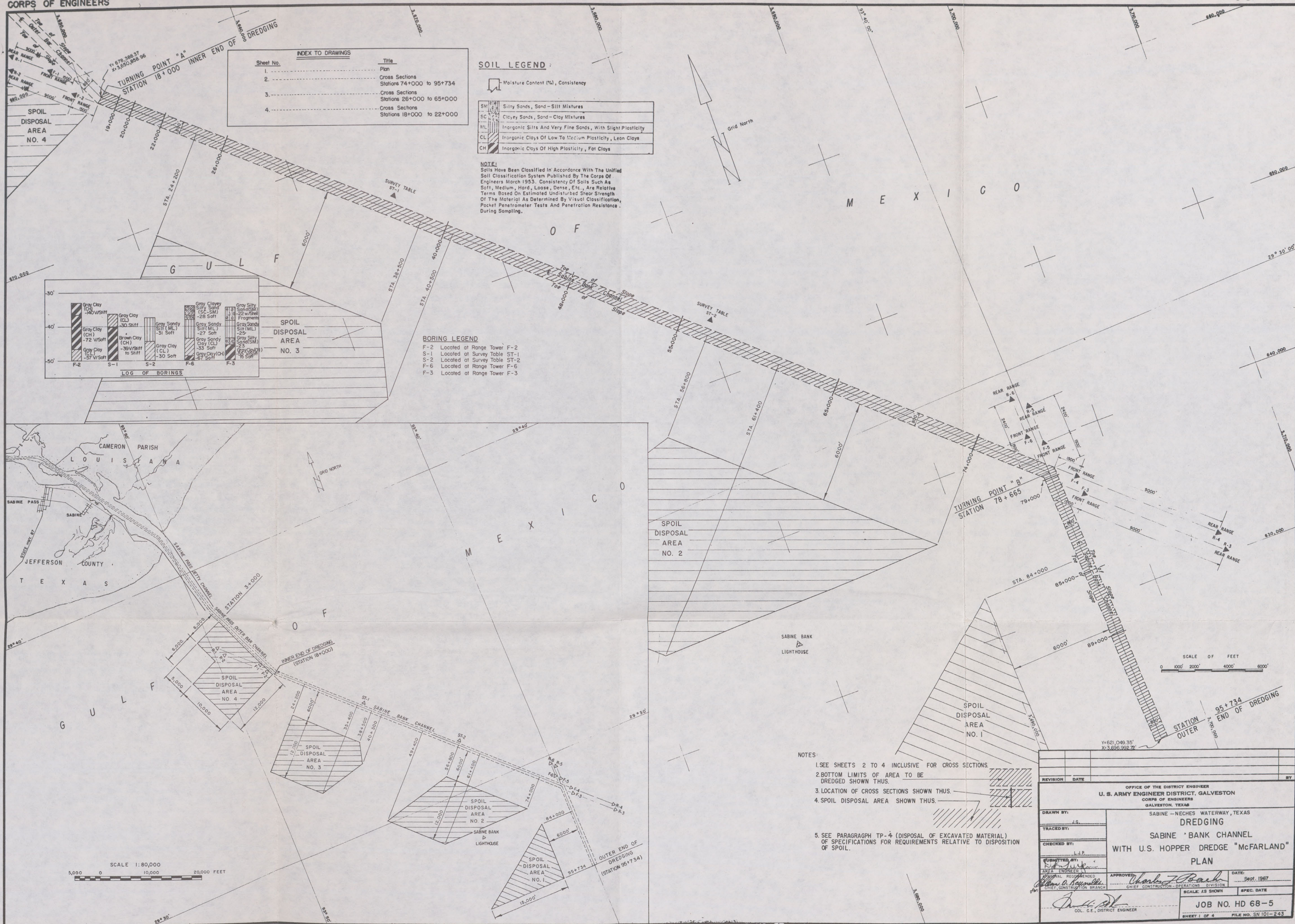
JOHN L. MADDEN,

Assistant Attorney General,
State of Louisiana.

EXHIBITS 114-118

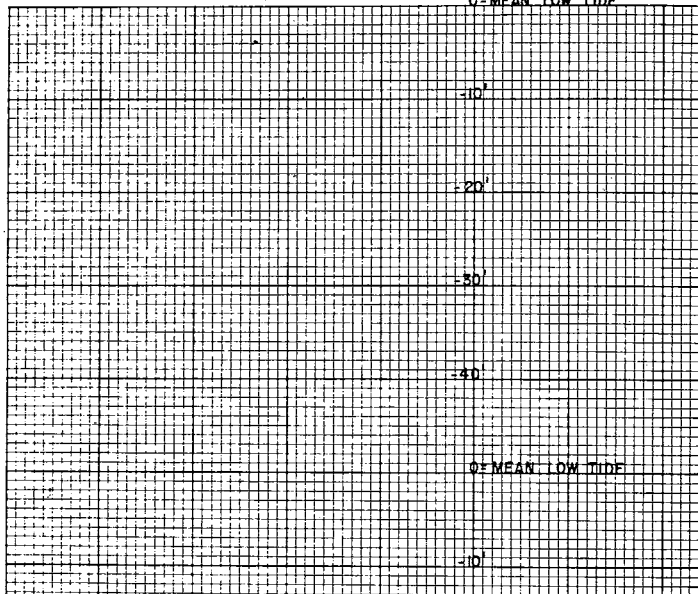
EXHIBIT 114

EXHIBIT 115, PAGE 1

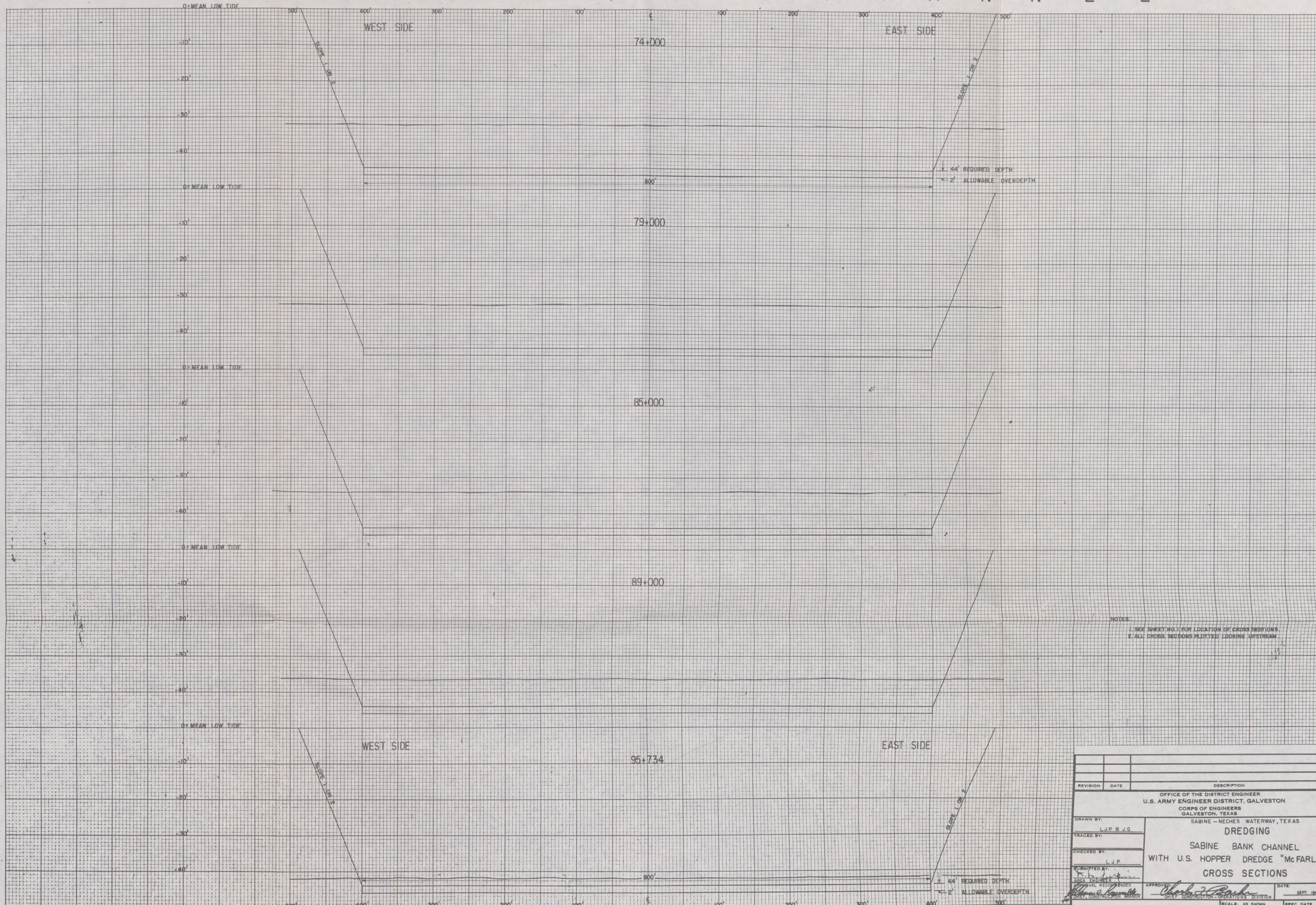


S A

0=MEAN LOW TIDE



S A B I N E B A N K C H A N N E L



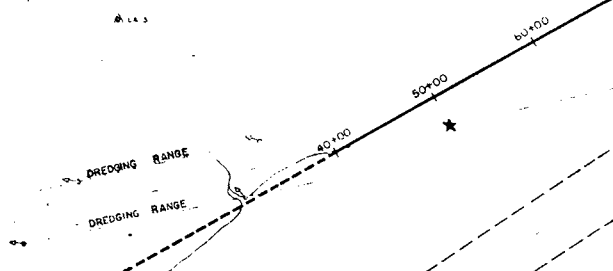
NOTES:

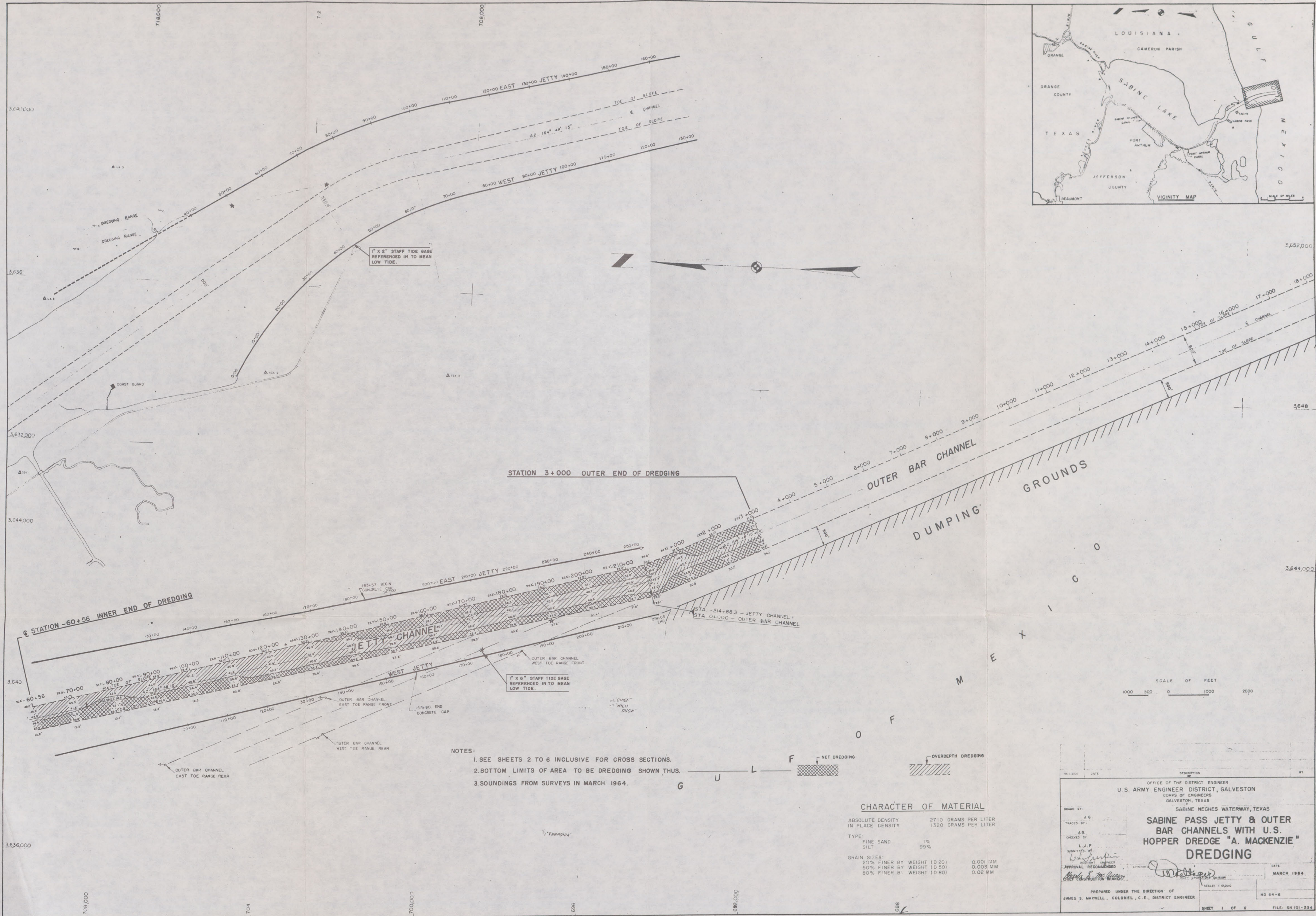
1. SEE SHEET NO. 1 FOR LOCATION OF CROSS SECTION
2. ALL CROSS SECTIONS PLOTTED LOOKING UPSTREAM

REVISION	DATE	DESCRIPTION	
OFFICE OF THE DISTRICT ENGINEER U.S. ARMY ENGINEER DISTRICT. GALVESTON CORPS OF ENGINEERS GALVESTON, TEXAS			
DRAWN BY:	SABINE - NECHES WATERWAY, TEXAS		
LJP B J G	DREDGING		
TRACED BY:	SABINE BANK CHANNEL		
	WITH U.S. HOPPER DREDGE "McFarland"		
CHECKED BY:	CROSS SECTIONS		
SUBMITTED BY:			
AREA ENGINEER			
APPROVED	DATE:	SEPT 1927	
CHIEF CONSTRUCTION BRANCH	CHIEF CONSTRUCTION - OPERATIONS DIVISION		
PREPARED UNDER THE DIRECTION OF FRANKLIN B. MOON, COLONEL, C.E., DISTRICT ENGINEER		SCALE: AS SHOWN	SPEC. DATE
		JOB NO. HD 68-5	
		SHEET 2 OF 4	FILE NO. SN 101-2

3.641000

718.000





OFFICE OF THE DISTRICT ENGINEER
U. S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

SABINE NECHES WATERWAY, TEXAS

**SABINE PASS JETTY & OUTER
BAR CHANNELS WITH U.S.
HOPPER DREDGE "A. MACKENZIE"
DREDGING**

DRAWN BY:
J.G.
CHECKED BY:
J.G.
SUBMITTED BY:
L.J.P.
APPROVED BY:
JAMES S. MAXWELL
CHIEF ENGINEER

APPROVAL RECOMMENDED
CHIEF CONSTRUCTION ENGINEER

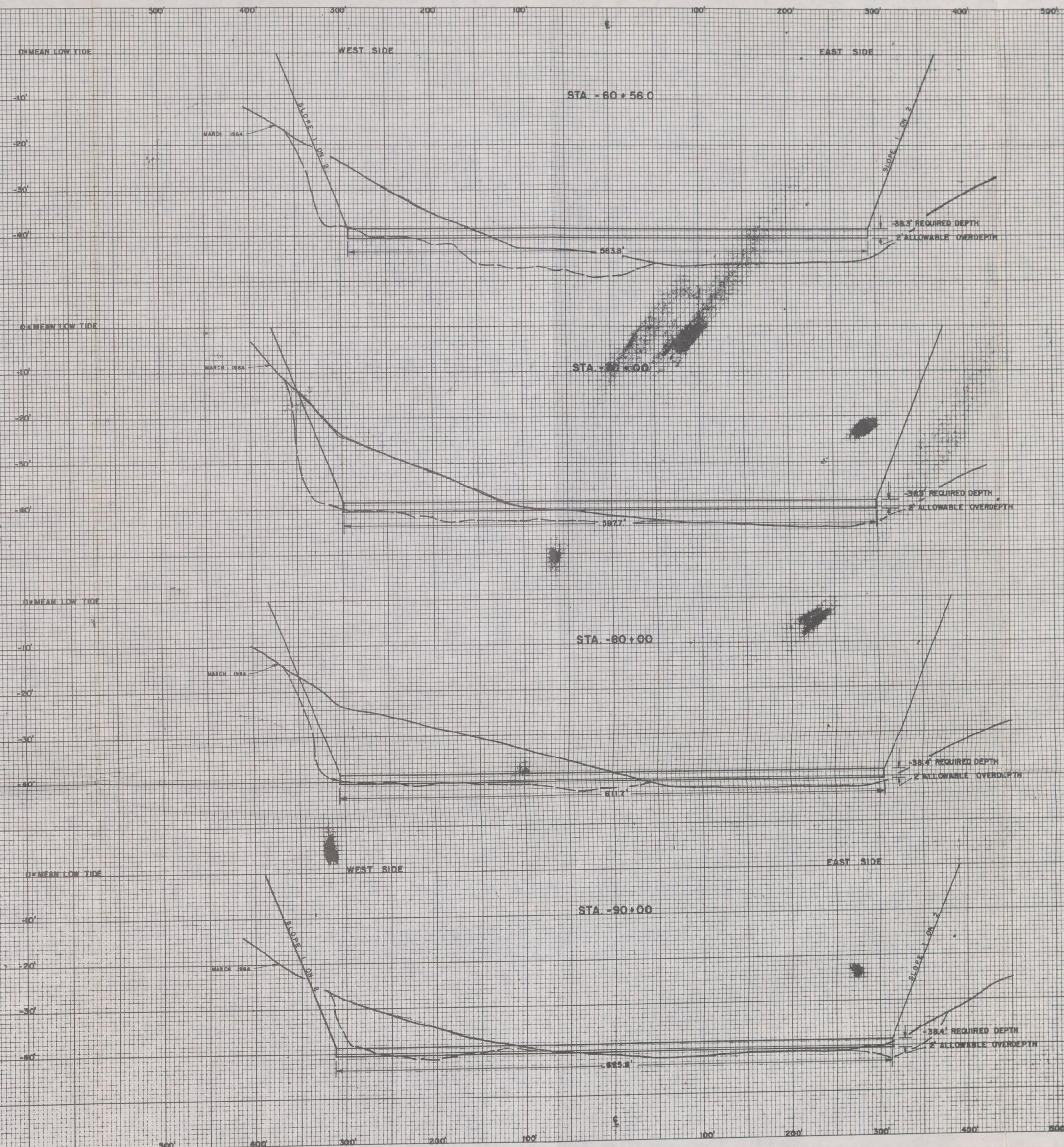
DATE
MARCH 1964

PREPARED UNDER THE DIRECTION OF
JAMES S. MAXWELL, COLONEL, C.E., DISTRICT ENGINEER

SHEET 1 OF 6

SABINE PASS

JETTY CHANNEL



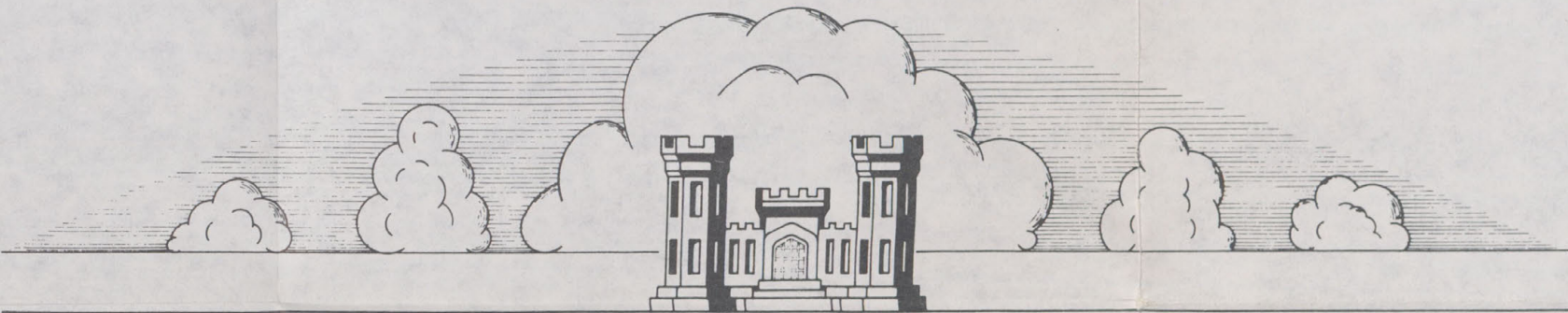
- NOTES:
1. SEE SHEET NO. 1 FOR LOCATION OF CROSS SECTIONS.
 2. DASHED LINES INDICATE APPROXIMATE BOTTOM LIMITS OF DEEPEST DREDGING TAKEN IN APRIL 1982.
 3. ALL CROSS SECTIONS PLOTTED LOOKING UPSTREAM.

REVISION	DATE	DESCRIPTION	BY
OFFICE OF THE DISTRICT ENGINEER U.S. ARMY ENGINEER DISTRICT, GALVESTON CORPS OF ENGINEERS GALVESTON, TEXAS			
SABINE NECHES WATERWAY, TEXAS			
SABINE PASS JETTY & OUTER BAR CHANNELS WITH U.S. HOPPER DREDGE "A. MACKENZIE" DREDGING			
DRAWN BY: J.S.		DATE: MARCH 1984	
TRACED BY: J.S.		SPEC. DATE: HD 64-4	
CHECKED BY: J.S.		APPROVED BY: J.S.	
APPROVED BY: J.S.		CHIEF OF DISTRICT BRANCH	
PREPARED UNDER THE DIRECTION OF JAMES S. MAXWELL, COLONEL, C.E., DISTRICT ENGINEER			
SHEET 2 OF 2 FILE NO. 8H 101-224			

INDEX TO DRAWINGS	
DWG. NO.	TITLE
	COVER
1	LOCATION PLAN AND LOGS OF BORINGS
2	SURVEY TOWERS
3	DREDGING RANGES REAR TOWERS
4	DREDGING RANGES FRONT TOWERS
5	LANDING PLATFORM AND FENDERS
6	TOP AND INTERMEDIATE PLATFORMS
7	LADDERS AND SAFETY GAGES
8	TARGETS
9	ELECTRICAL DETAILS

SABINE - NECHES WATERWAY , TEXAS

DREDGE RANGE TOWERS



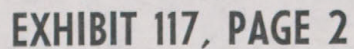
OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS
MAY 1966

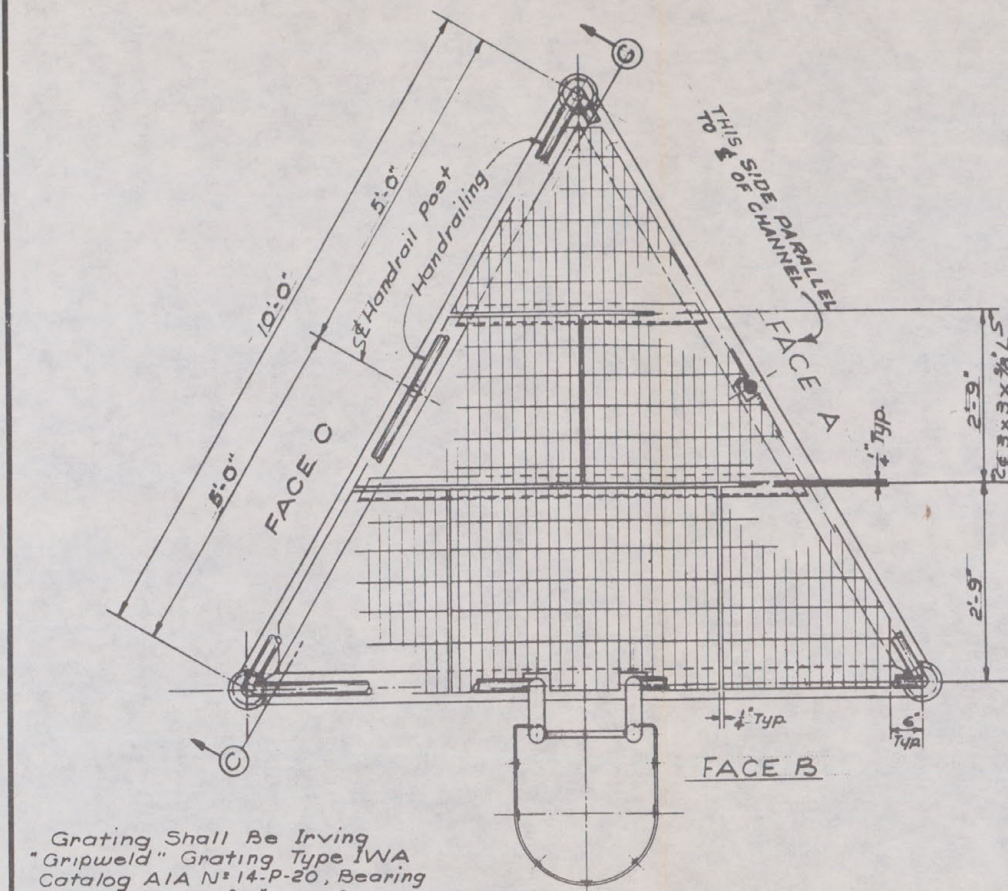
DRAWINGS IN THIS FOLIO HAVE BEEN
REDUCED TO APPROX ONE-HALF THE
ORIGINAL SIZE

INVITATION NO. CIVENG 41-243-66-92

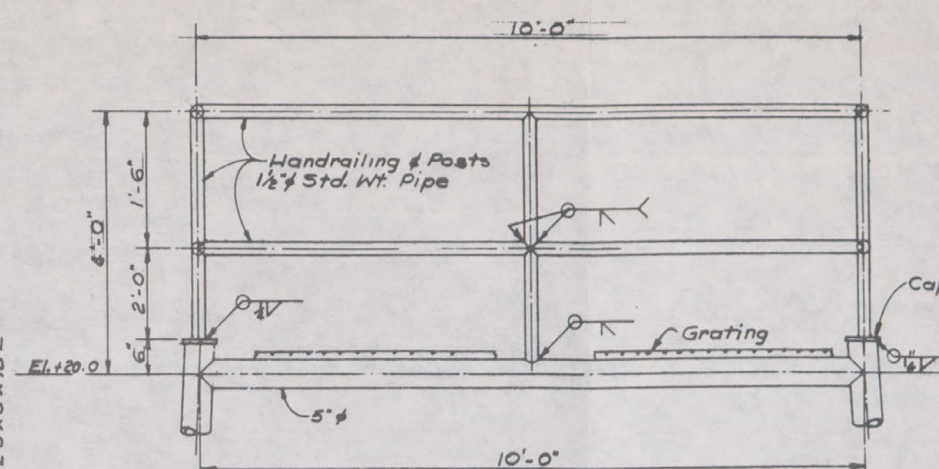
FILE NO. SN 101-240

EXHIBIT 117, PAGE 2

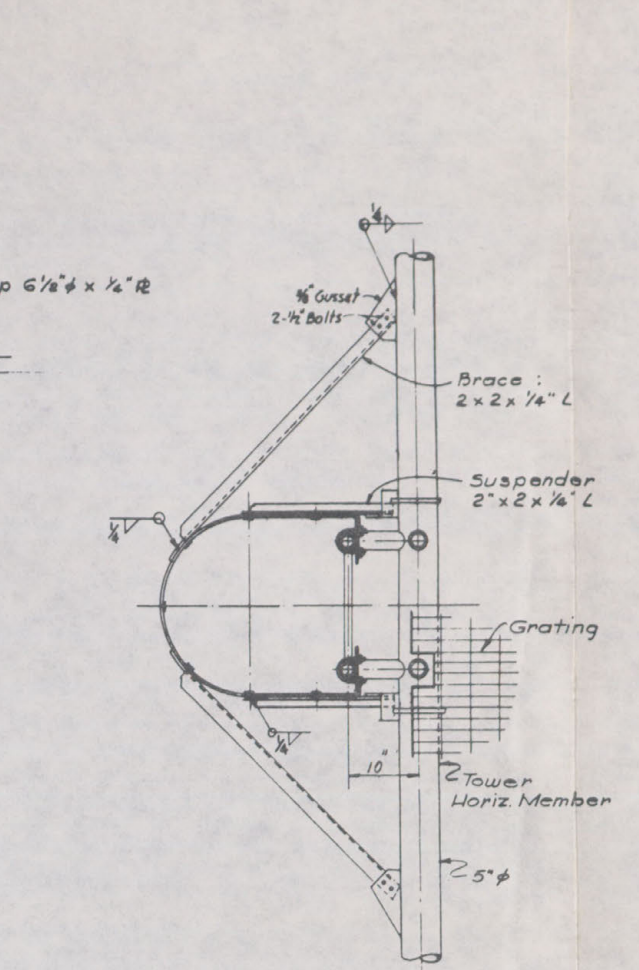




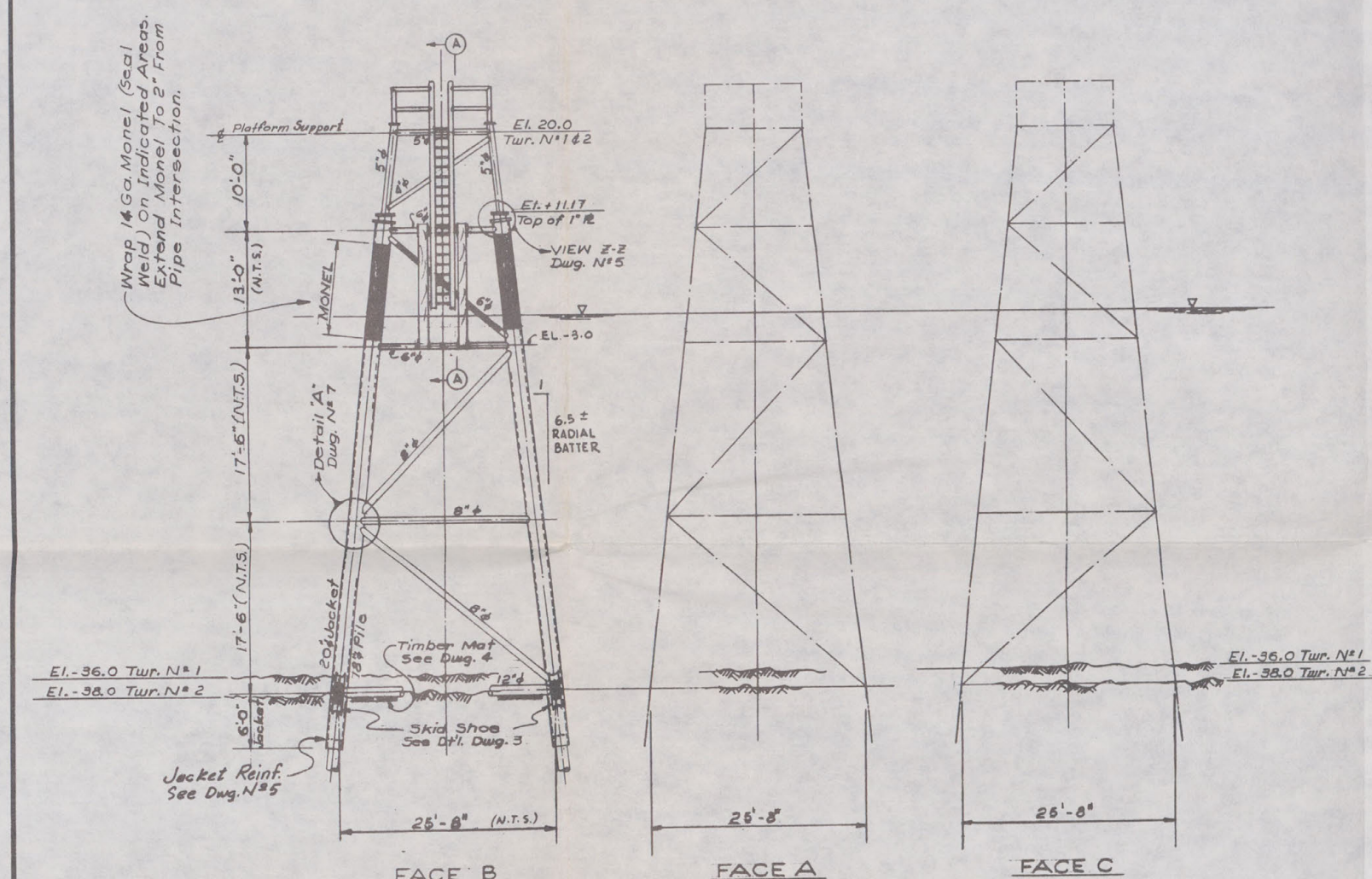
PLAN-ELEV. +20.0' ±
Scale: 1/4" = 1'-0"



SECTION C-C
Scale: 1/4" = 1'-0"

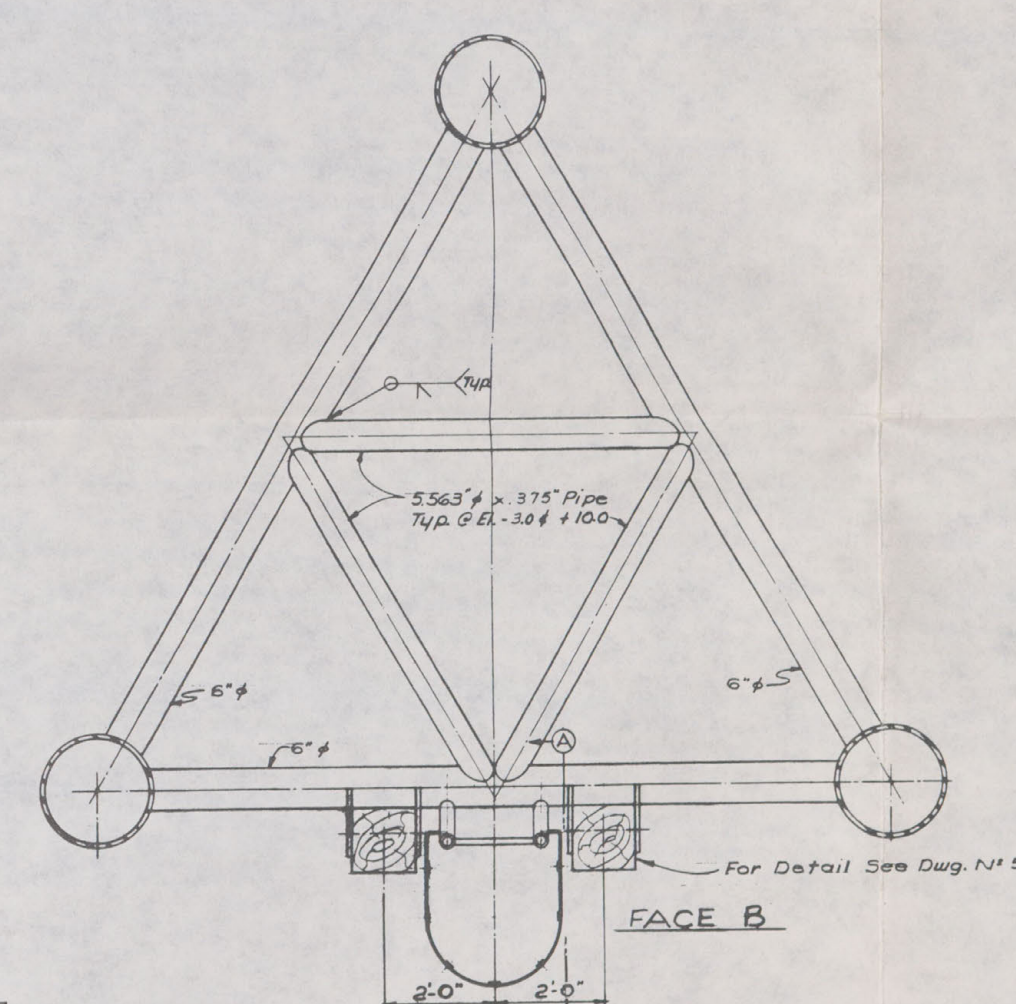


SECTION B-B
Scale: 1" = 1'-0"

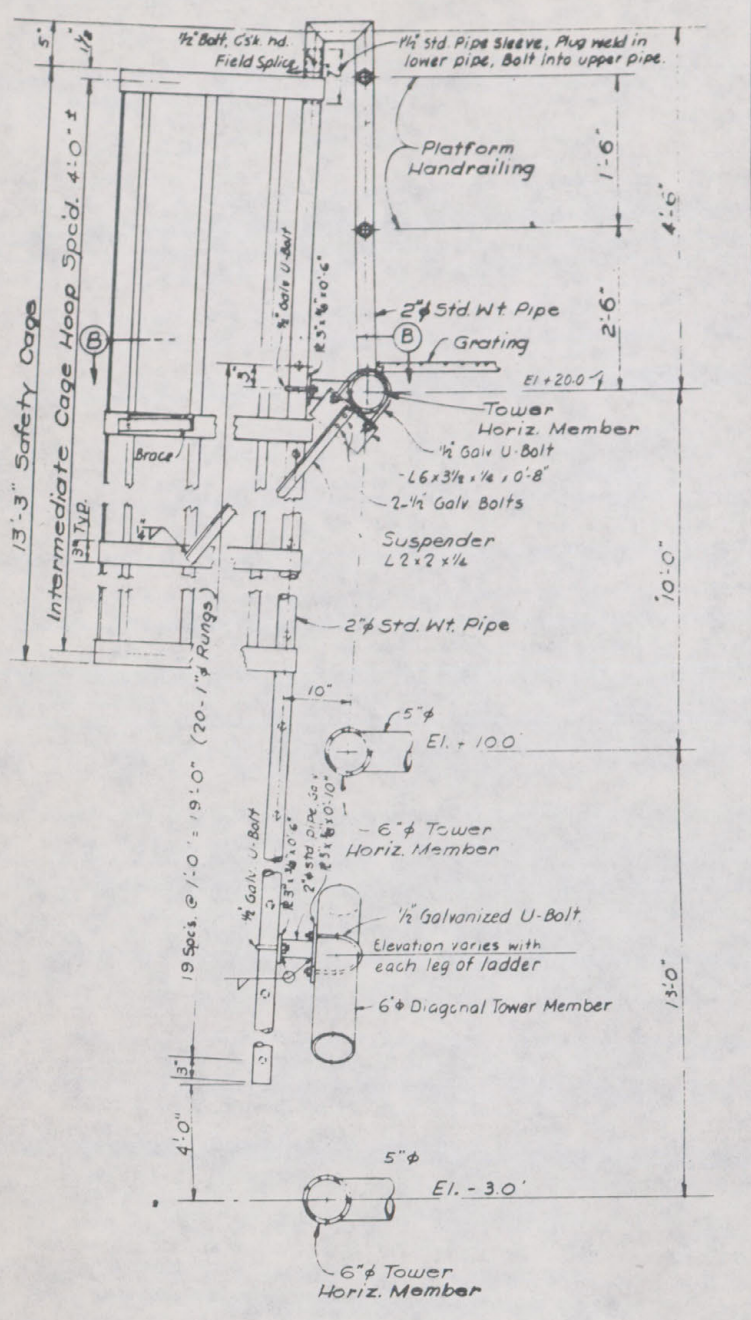


SURVEY TOWERS N° 1 & 2
Scale: 1/8" = 1'-0"

TOWER NO.	MAXIMUM REACTION IN KIPS		PENETRATION BELOW MUDLINE		TOTAL LENGTH IN FEET FOR EACH LEG
	TENSION	COMPRESSION	TENSION	COMPRESSION	
ST-1	177	209	93	56	106
ST-2	177	209	69	72	120



PLAN TIMBER FENDER SYSTEM
@ ELEV. 10.0 ± - 3.0
Scale: 1/4" = 1'-0"

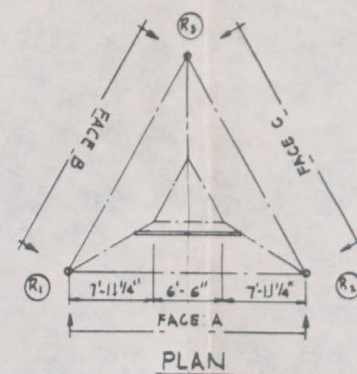
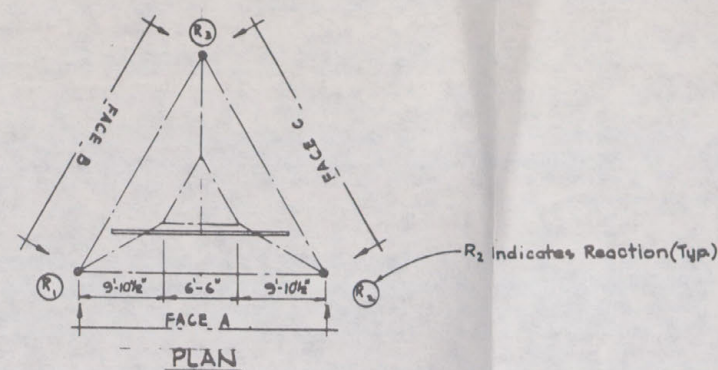
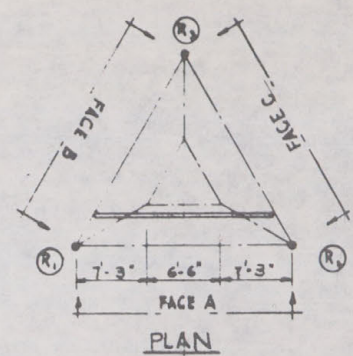


SECTION A-A
Scale: 1" = 1'-0"

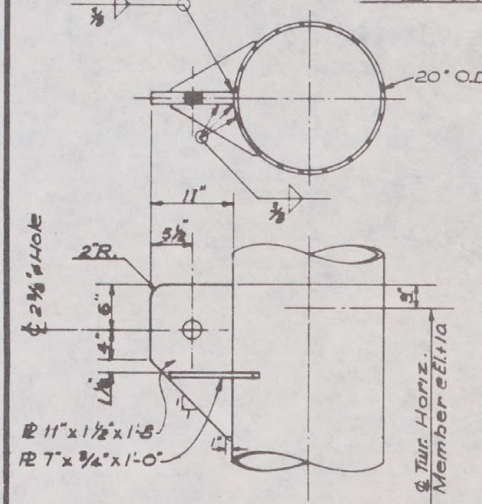
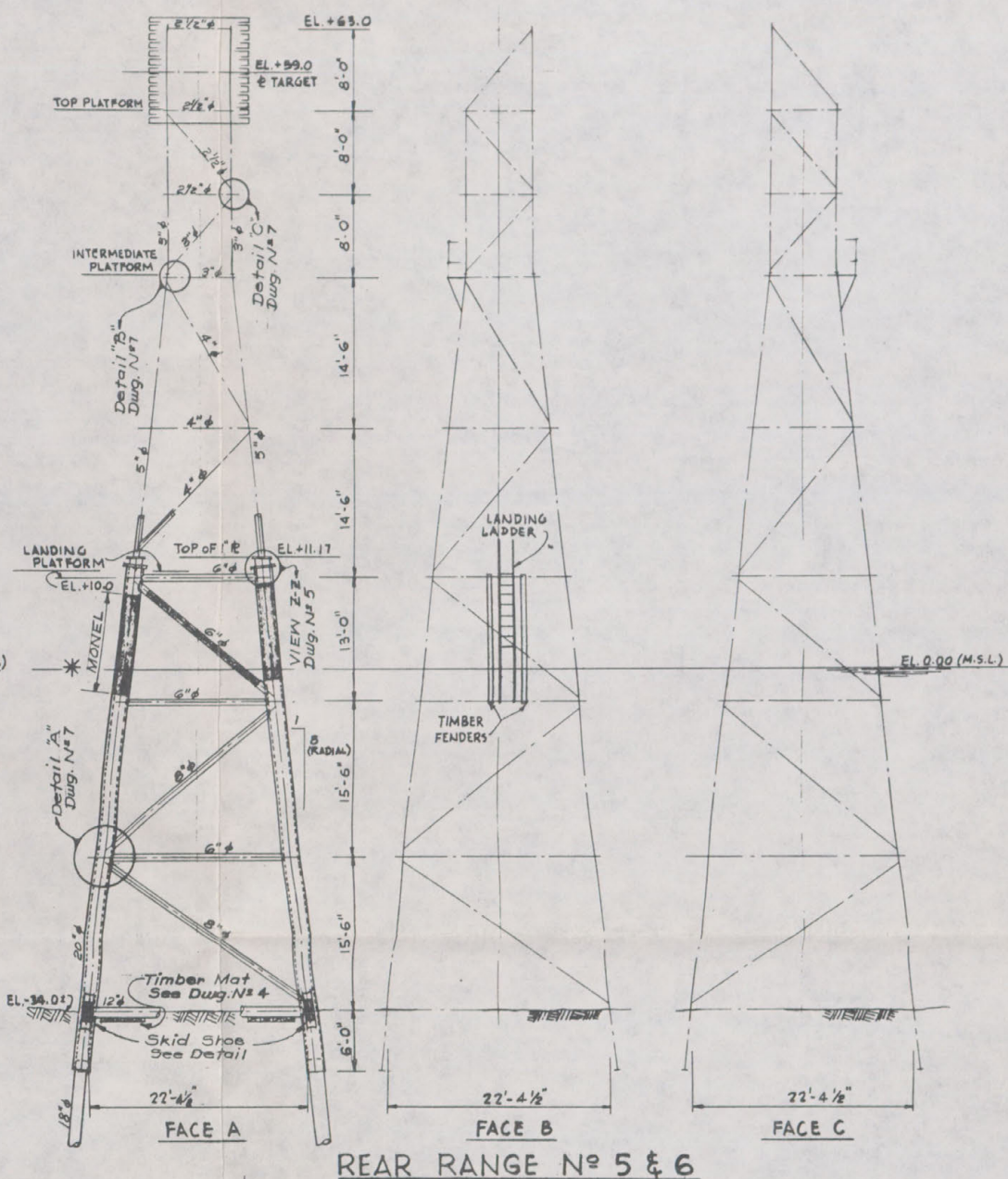
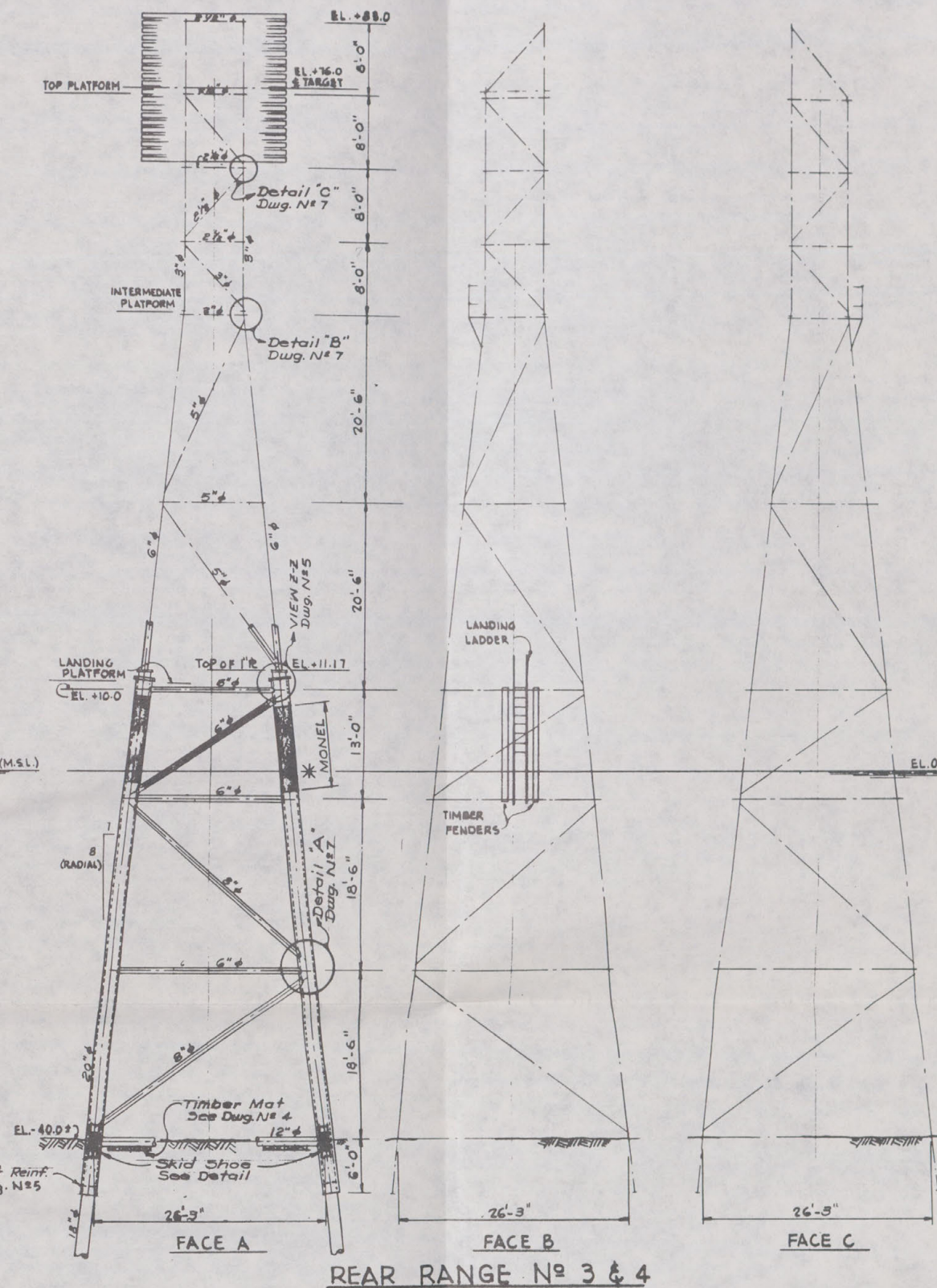
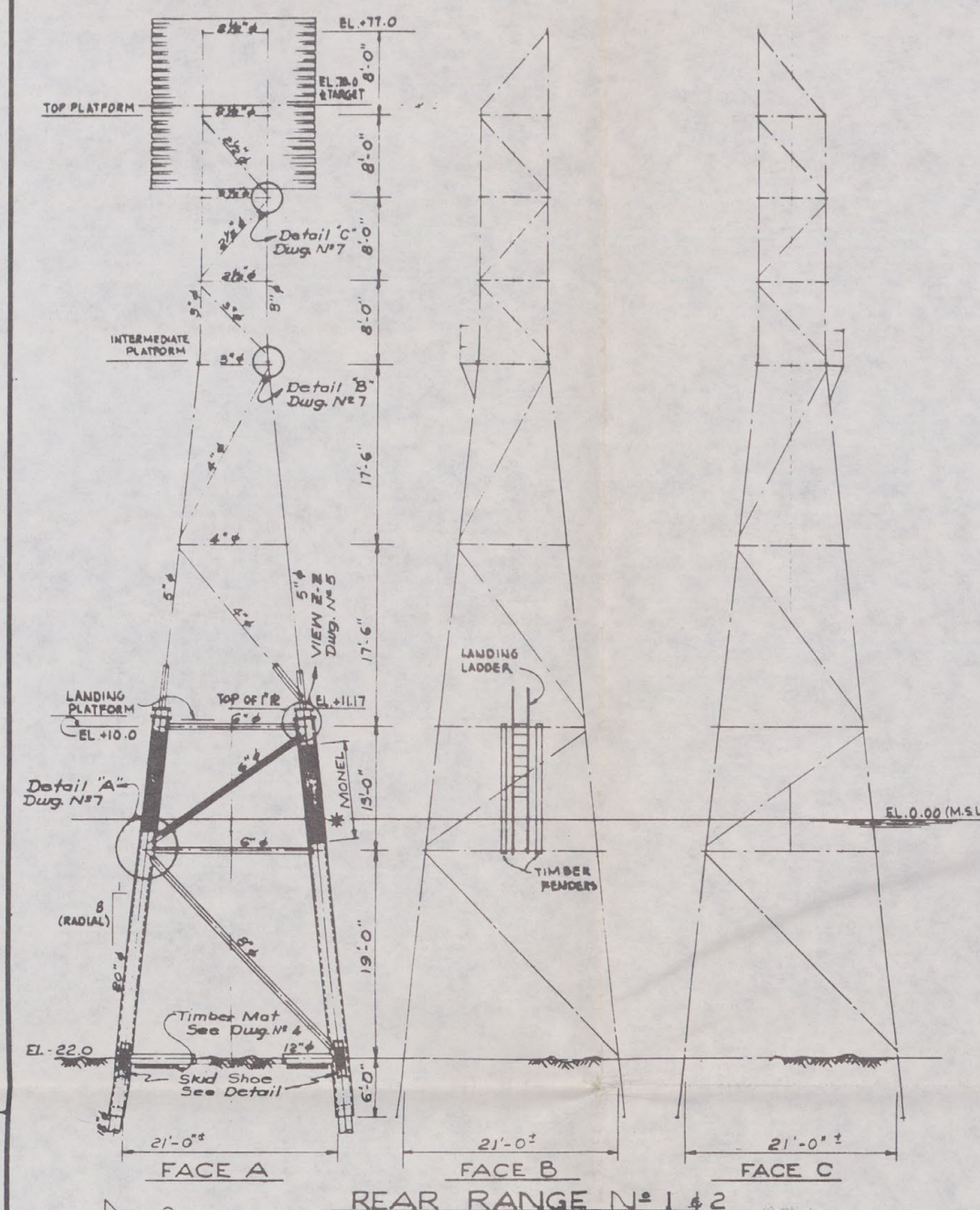
Notes:
1. FOR PIPE SCHEDULE, SEE DWG. N° 4
2. FOR JACKET & PILE TIP REINFORCING DETAIL SEE DWG. N° 5
3. FOR TYPICAL SECTION OF LADDER & SAFETY CAGE SEE DWG. N° 7

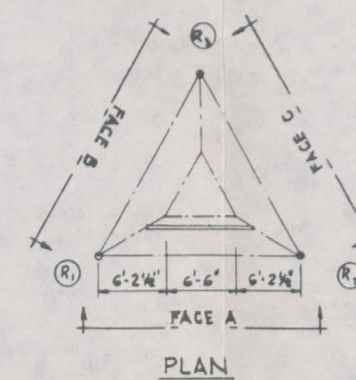
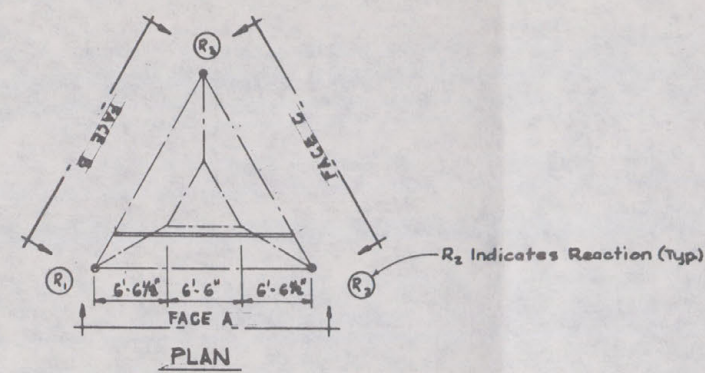
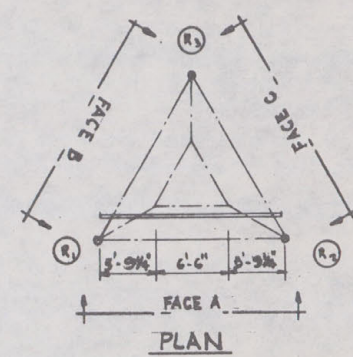
REVISION	DATE	BY
OFFICE OF THE DISTRICT ENGINEER U. S. ARMY ENGINEER DISTRICT, GALVESTON CORPS OF ENGINEERS GALVESTON, TEXAS		
SABINE-NECHES WATERWAY, TEXAS DREDGE RANGE TOWERS		
SURVEY TOWERS ELEVATIONS AND DETAILS		
DRAWN BY: AAR	CHECKED BY: J.E.K.	APPROVED BY: [Signature]
SUBMITTED BY: [Signature]		DATE: MAY 1966
PREPARED UNDER THE DIRECTION OF JAMES E. UNTERMYER, DISTRICT ENGINEER		SCALE AS SHOWN DRAWING NUMBER 2 SHEET FILE NO. SN 101-240

EXHIBIT 117, PAGE 4

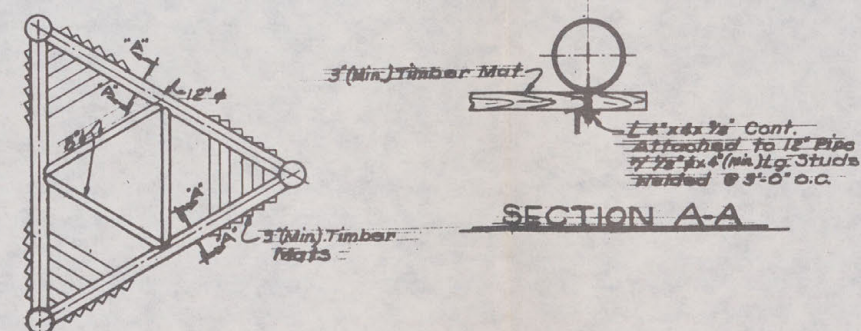
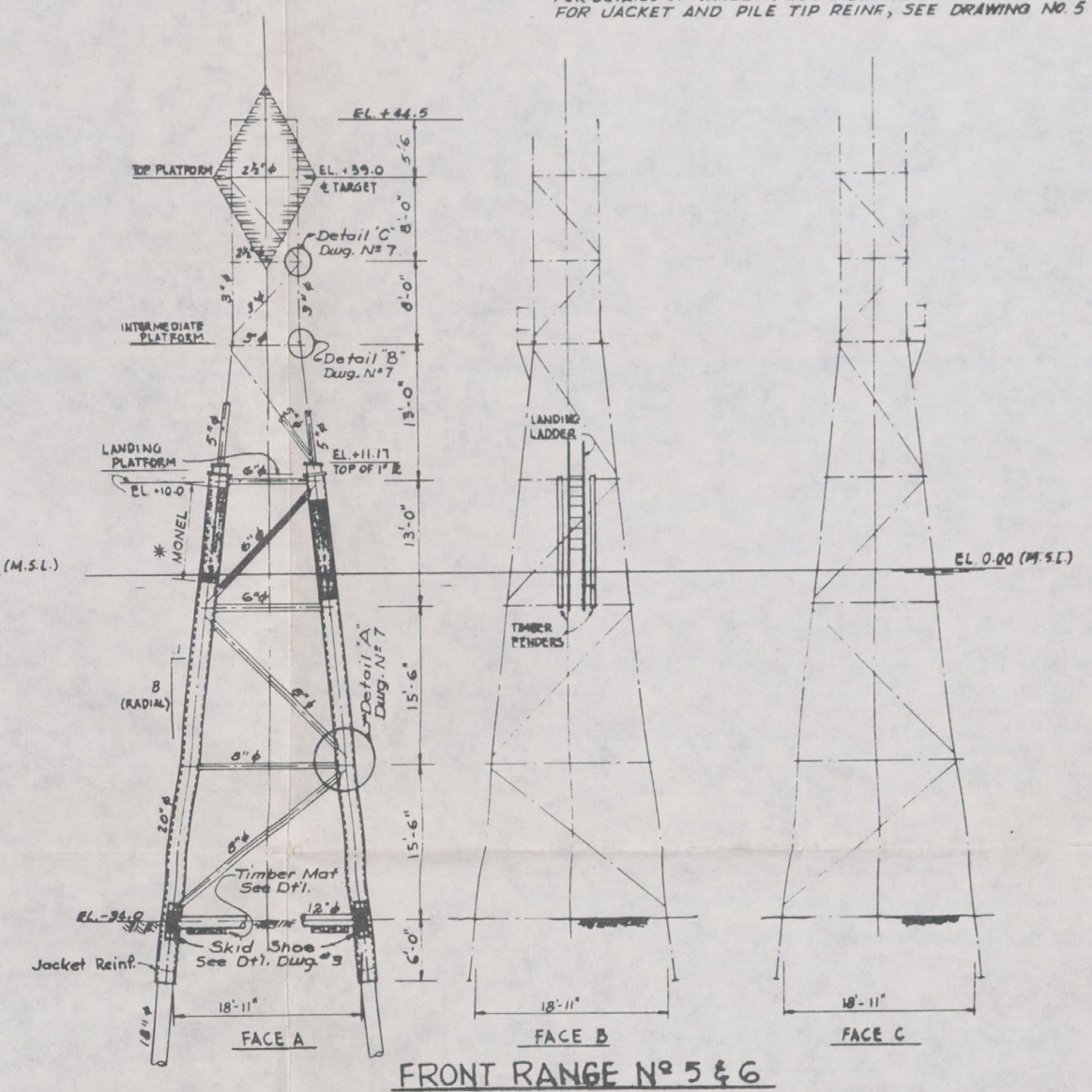
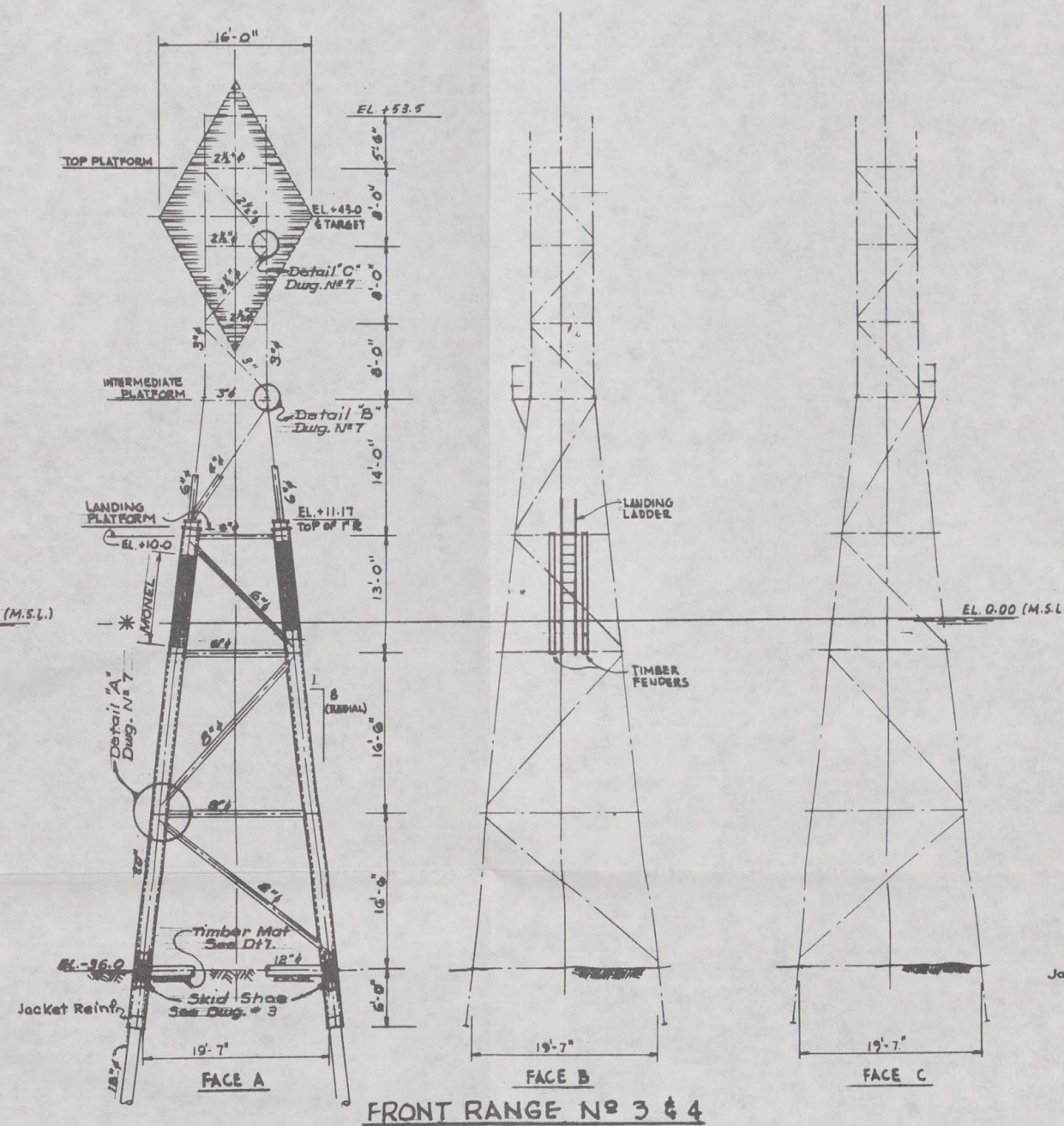
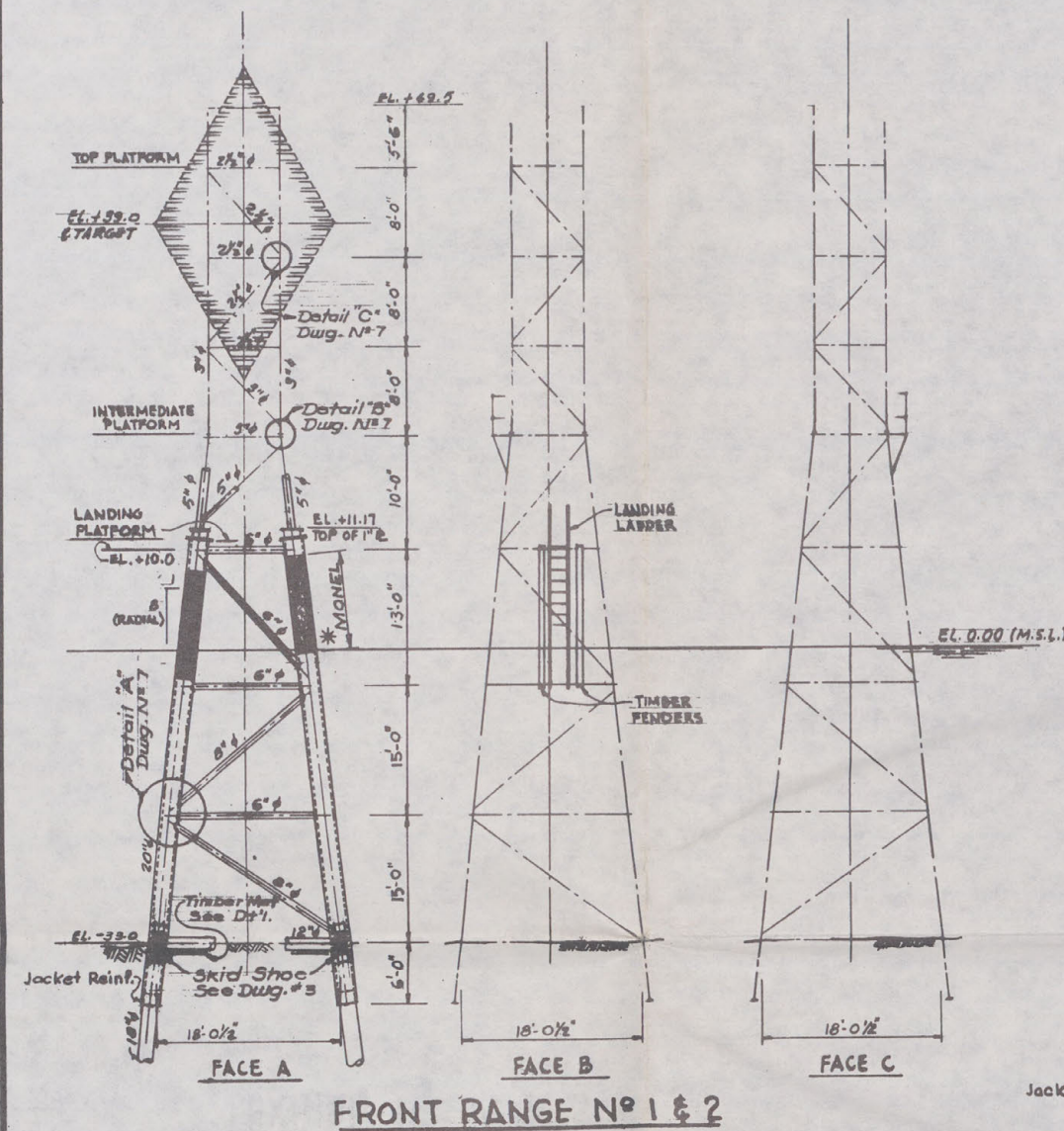


GENERAL NOTES:
 FOR DETAILS OF LANDING PLATFORMS, LANDING LADDERS, AND FENDERS, SEE DRAWING NO. 5.
 FOR DETAILS OF TOP AND INTERMEDIATE PLATFORMS SEE DRAWING NO. 6.
 FOR DETAILS OF INTERMEDIATE AND TOP LADDERS, SEE DRAWING NO. 7.
 FOR DETAILS OF TARGETS, SEE DRAWING NO. 8.
 FOR JACKET AND PILE TIP REINF, SEE DWG. NO. 5.





GENERAL NOTES:
 FOR DETAILS OF LANDING PLATFORMS, LANDING LADDERS, AND FENDERS, SEE DRAWING NO. 5.
 FOR DETAILS OF TOP AND INTERMEDIATE PLATFORMS, SEE DRAWING NO. 6.
 FOR DETAILS OF INTERMEDIATE AND TOP LADDERS, SEE DRAWING NO. 7.
 FOR DETAILS OF TARGETS, SEE DRAWING NO. 8.
 FOR JACKET AND PILE TIP REINF., SEE DRAWING NO. 5.



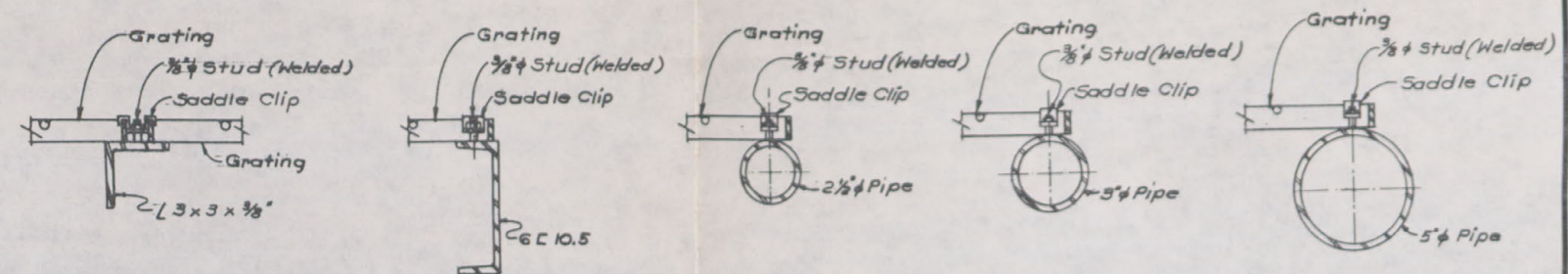
PLAN OF TOWER AT BASE

* Wrap 14 Ga. Monel (Seal Weld)
 On Indicated Areas. Extend
 Monel To 2' From Pipe Intersections.

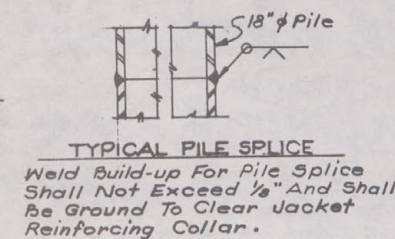
TOWER NO.	REACTION IN KIIPS				PENETRATION IN FEET				TOTAL LENGTHS IN FEET			
	R ₁	R ₂	R ₃	R ₄	R ₁	R ₂	R ₃	R ₄	R ₁	R ₂	R ₃	R ₄
F-1	88	55	160	94	60	75	102	184				
F-2	88	55	160	94	66	89	115	199				
F-3	121	85	225	189	94	148	168	191				
F-4	121	85	225	189	85	134	186	186				
F-5	103	69	189	155	81	106	180	154				
F-6	103	69	189	155	68	83	113	141				

PIPE SCHEDULE		
NOMINAL PIPE SIZE	OUTSIDE DIAM.	WALL THICKNESS
1 1/2"	1.90	STD.
2"	2.375	STD.
2 1/2"	2.875	STD.
3"	3.50	STD.
4"	4.50	STD.
5"	5.563	.375 (MIN.)
6"	6.625	.375 (MIN.)
8"	8.625	.375 (MIN.)
12"	12.75	.375 (MIN.)
18"	18.0	.375 (MIN.)
20"	20.0	.375 (MIN.)

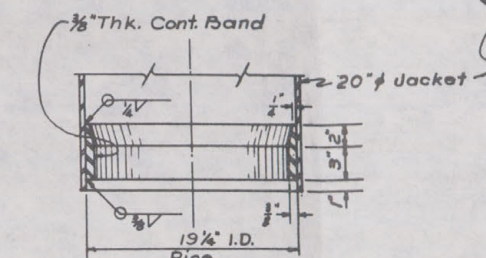
REVISION	DATE	BY
OFFICE OF THE DISTRICT ENGINEER U. S. ARMY ENGINEER DISTRICT, GALVESTON CORPS OF ENGINEERS GALVESTON, TEXAS		
DRAWN BY: J.R.P.	SABINE-NECHES WATERWAY, TEXAS DREDGE RANGE TOWERS	
TRACED BY:	DREDGING RANGES FRONT TOWERS ELEVATIONS	
CHECKED BY: J.E.K.	APPROVED: [Signature]	DATE: MAY 1966
PREPARED UNDER THE DIRECTION OF JOHN E. UNVERFERTH, COLONEL, C. E. DISTRICT ENGINEER		
SCALE: AS SHOWN	SHEET NO. 4	FILE NO. SH 701-240



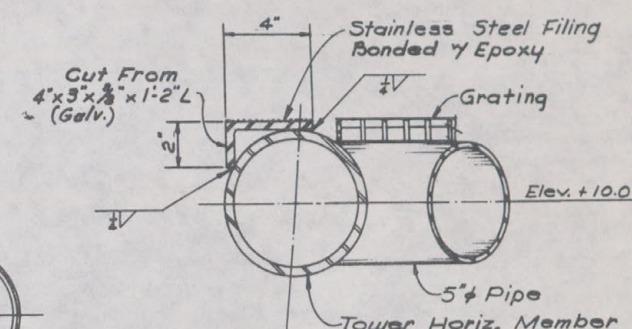
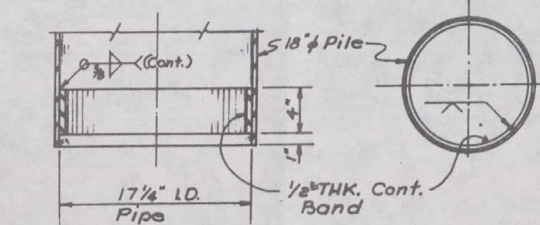
TYPICAL GRATING FASTENERS



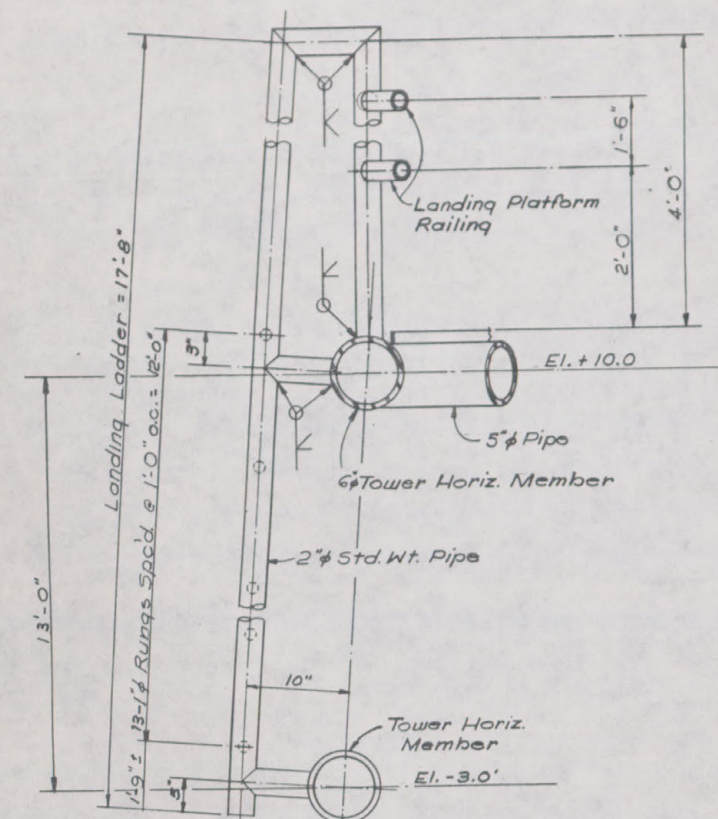
JACKET REINFORCING DETAIL



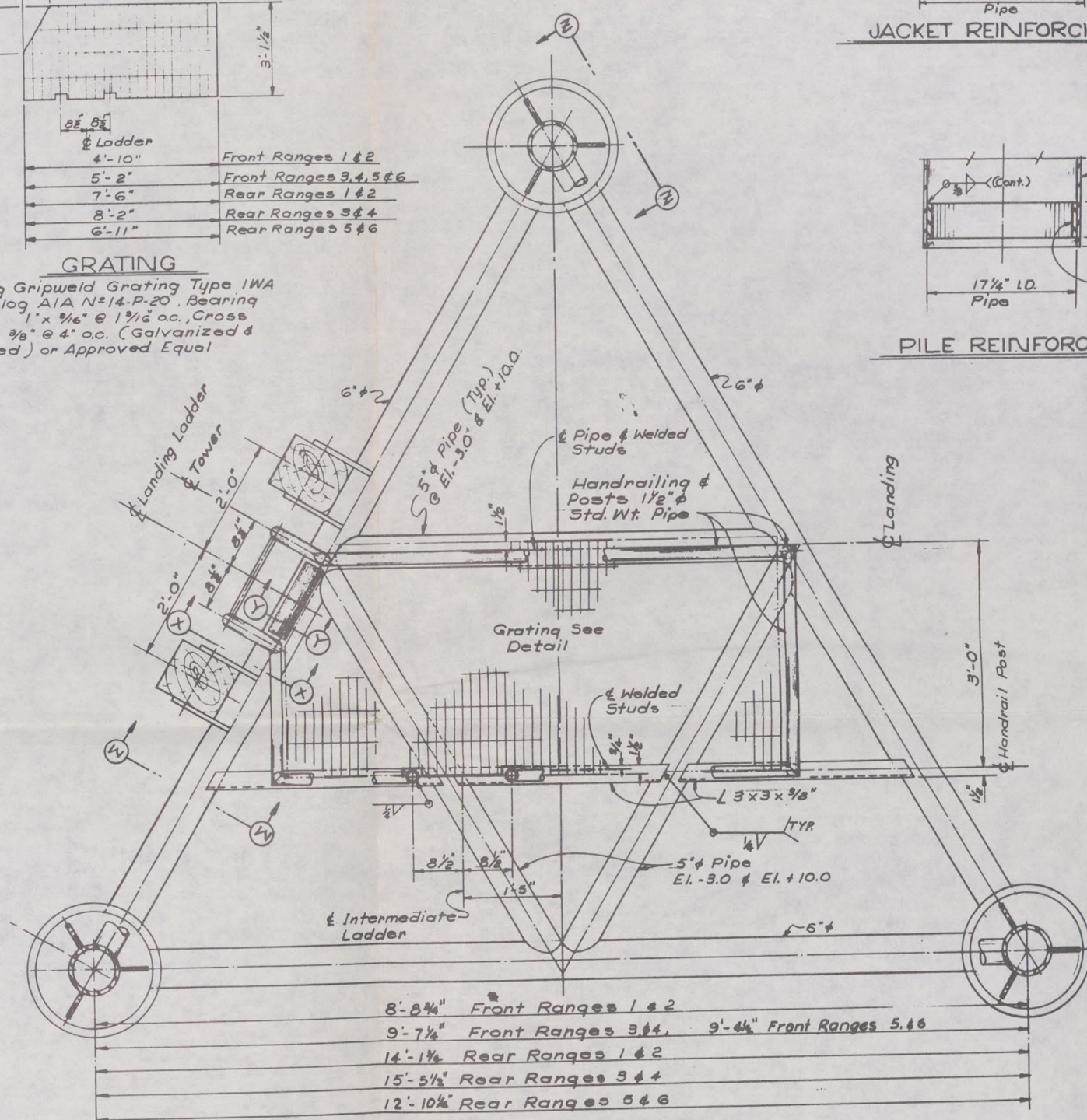
PILE REINFORCING DETAIL



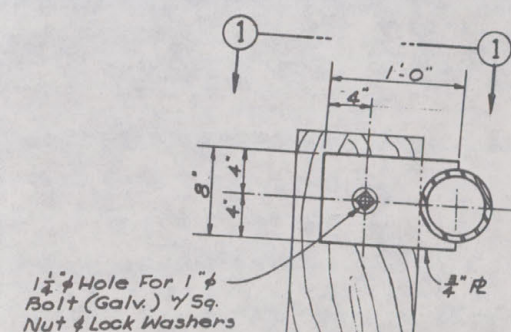
SECTION Y-



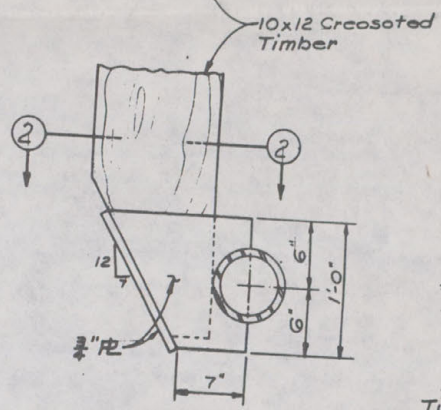
SECTION X-X
LANDING LADDER
Scale 1/2" = 1'-0"



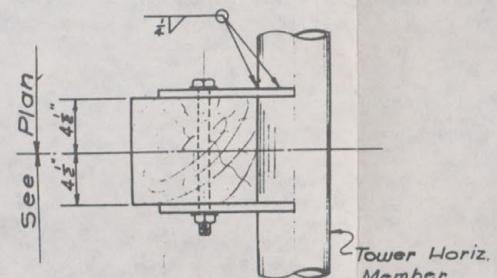
PLAN - LANDING PLATFORMS FOR FRONT RANGES
1 THRU 6 & REAR RANGES 1 THRU 6
Scale: 1'-0"



SECTION 1-1



SECTION W-W
Scale $1\frac{1}{2}"=1'-0"$



SECTION 2-2

REVISION	DATE				BY

OFFICE OF THE DISTRICT ENGINEER
U. S. ARMY ENGINEER DISTRICT. GALVESTON
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

DRAWN BY:

TRACED BY:

CHECKED BY:

SUBMITTED BY:

DATE: 11-24-1966

ENGINE: 11-24-1966

APPROVED: *[Signature]*

DATE: 11-24-1966

SABINE-NECHES WATERWAY, TEXAS
 DREDGE RANGE TOWERS

LANDING PLATFORM AND FENDERS

DETAILS

SCALE: AS SHOWN

DRAWING NUMBER

5

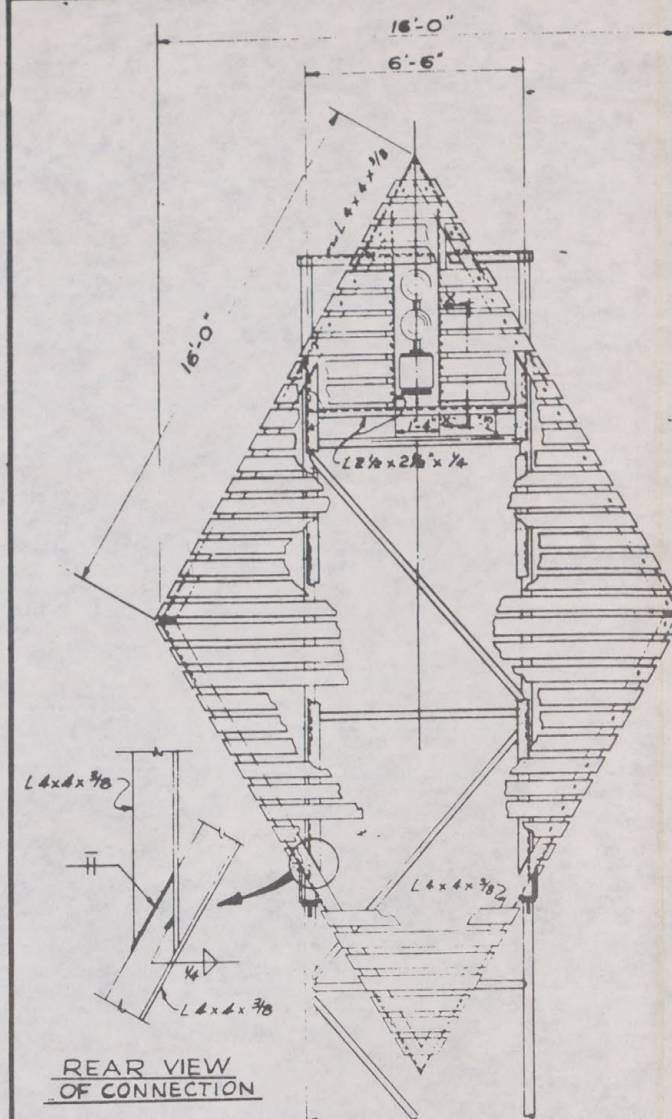
SHEET

DATE: MAY 1966

FILE NO. SN 101-24

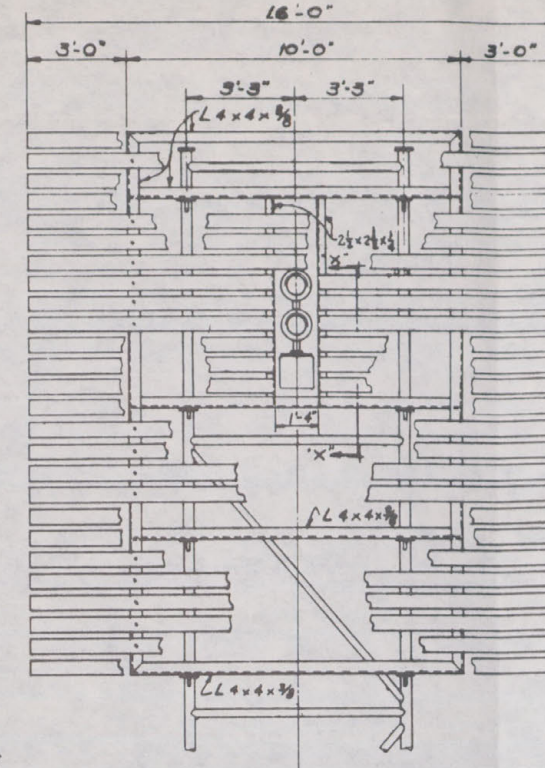
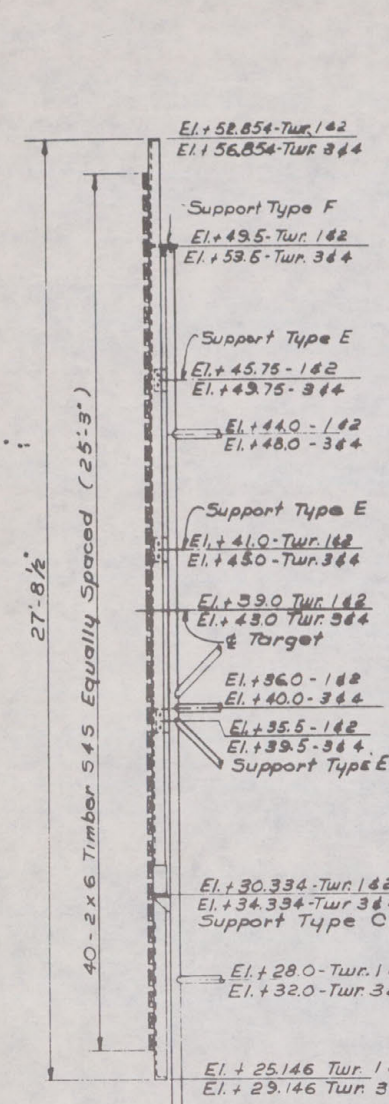
PREPARED UNDER THE DIRECTION OF
 JOHN E. UNDERFURTH, COLONEL, C. E.
 DISTRICT ENGINEER

EXHIBIT 117, PAGE 7

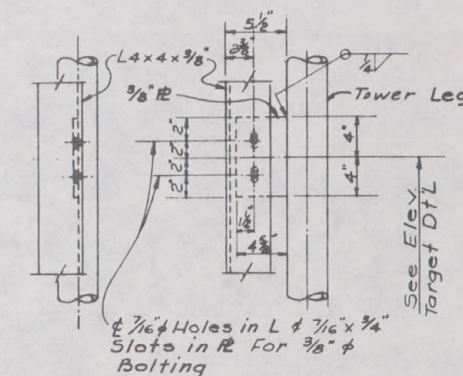
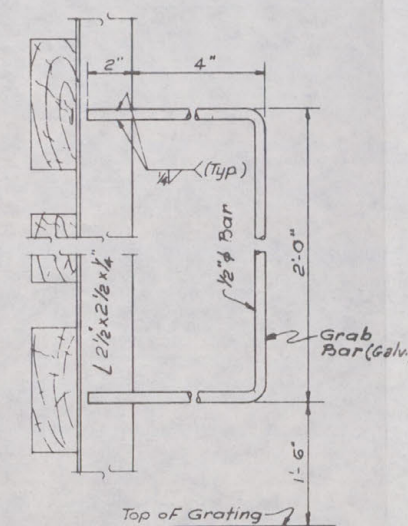


TARGET - FRONT RANGES 1,2,3 & 4
Scale: $\frac{3}{8}$ " = 1'-0"

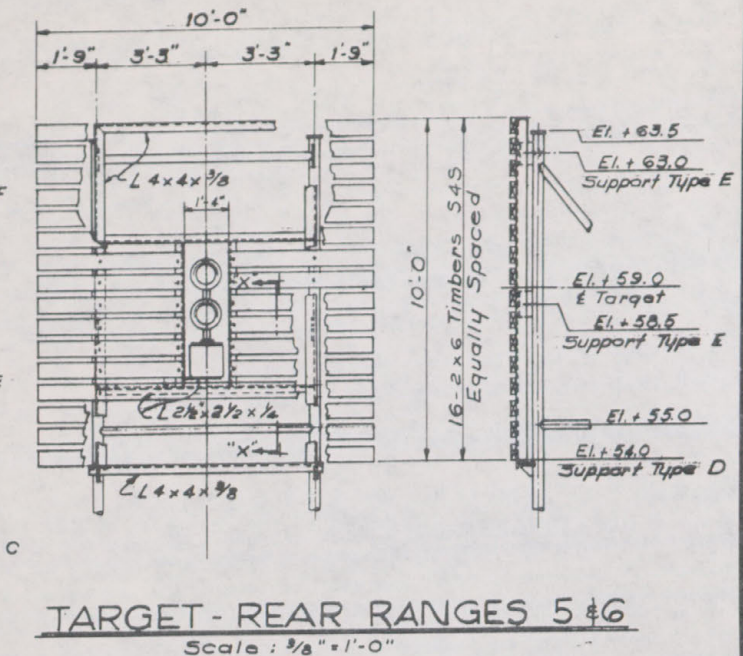
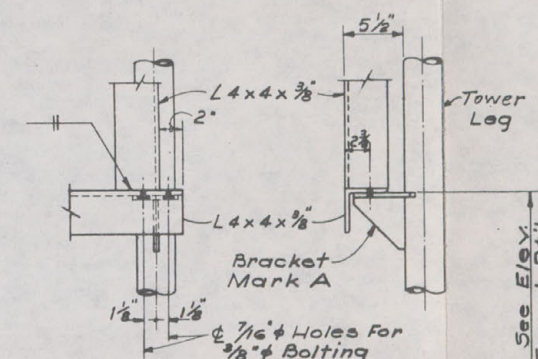
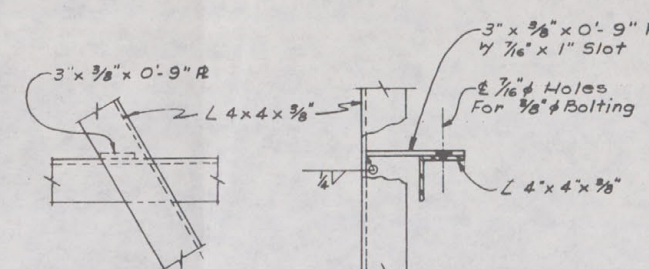
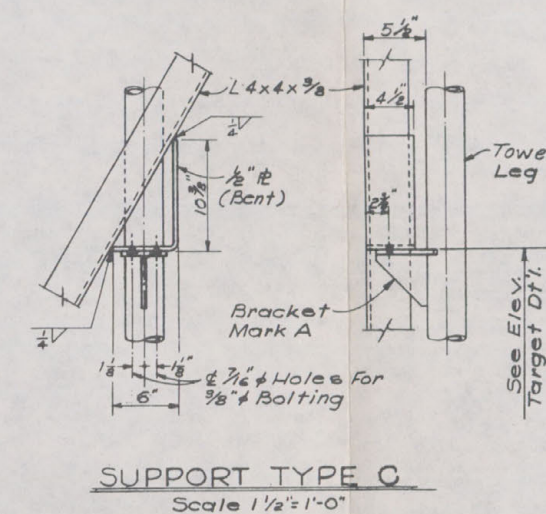
Note: Elevations shown on target framing may be used for detailing.



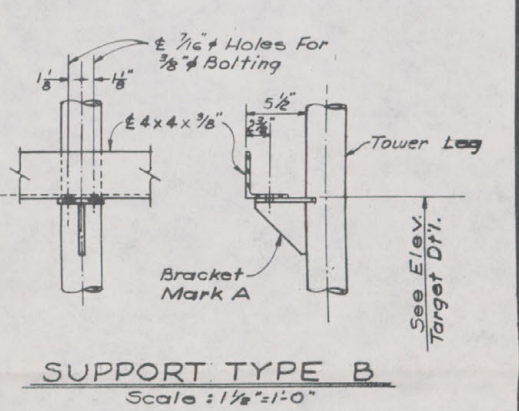
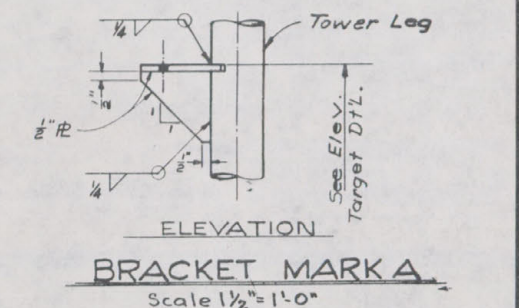
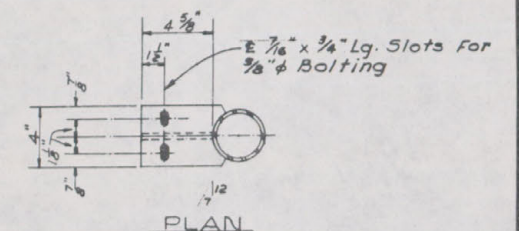
TARGET - REAR RANGES 1,2,3 & 4
Scale: $\frac{3}{8}$ " = 1'-0"



TARGET - FRONT RANGES 5 & 6
Scale: $\frac{3}{8}$ " = 1'-0"



TARGET - REAR RANGES 5 & 6
Scale: $\frac{3}{8}$ " = 1'-0"



NOTE:
Each Target Board Shall Be Bolted At Each
Angle Support With 1- $\frac{1}{4}$ " ϕ Carriage Bolt (Galv.)

REVISION	DATE	BY
OFFICE OF THE DISTRICT ENGINEER U. S. ARMY ENGINEER DISTRICT, GALVESTON CORPS OF ENGINEERS GALVESTON, TEXAS		
DRAWN BY: AAR	SABINE-NICHES WATERWAY, TEXAS DREDGE RANGE TOWERS	
TRACED BY:		
CHECKED BY: J.E.K.		
SUBMITTED BY: J.H. H. H.		
CHIEF, STRUCTURAL SECTION		
APPROVED BY: J. H. H. H.	DATE: MAY 1966	
PREPARED UNDER THE DIRECTION OF JOHN E. UNIVERFERTH, COLONEL, C. E. DISTRICT ENGINEER.		
SCALE: AS SHOWN SPEC. DATE		
DRAWING NUMBER 8		
SHEET FILE NO. SN 101-240		

