

53

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND LAYOUT MAP
2	TYPICAL SECTIONS OF ROADWAY
3	CORE BORINGS AND TEST PILES
4	GENERAL PLAN
5	BENTS 1 THRU 4 & 7 THRU 11
6 & 7	BENTS 5 & 6
8	SPANS THRU 4 & 6 THRU 10
9	TOWER DETAILS
10	PONTOON DETAILS
11 & 12	PONTOON BARGE DETAILS
13	PONTOON PIVOT ARM
14	OPERATING HOUSE
15	SHAFT PLATFORM BENEATH OPERATING HOUSE
16	MACHINERY HOUSE
17-24	ELECTRICAL SYSTEM
25-28A	MACHINERY DETAILS
29 & 30	FENDER SYSTEM
31	CONCRETE APPROACH SLABS
32	SUMMARY OF QUANTITIES
201-207	CROSS SECTIONS
401	PRECAST CONCRETE PILES
402	PROJECT ENGINEER'S OFFICE
403	ALPHABET
404	YEAR PLATE
405	FENCES AND GATES
406	RIGHT OF WAY MARKERS
407	SLUMP TEST MOULD
408 & 409	CONSTRUCTION SIGNS & BARRICADES

TOTAL SHEETS WITH X-SECTIONS & STDS. = 49
 TOTAL SHEETS WITHOUT X-SECTIONS = 43
 TOTAL SHEETS WITHOUT X-SECTIONS & STDS. = 33

BOOKS

39-338 & 40-143	ALIGNMENT TOPOGRAPHY & X-SECTIONS
41-108	DRAINAGE, FIT & EMBANKMENT X-SECTIONS
41-036	CONSTRUCTION BOOK
41-942	PLC. LISTS
41-117	DIARY
44-355	FINAL ESTIMATE BOOK

LAYOUT MAP ONLY

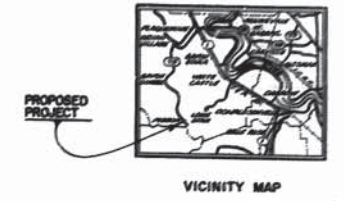
SURVEYED BY	DATE
PLOTTED	8/12/56
CHECKED	

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS
 PLANS OF PROPOSED
STATE HIGHWAY

**GRAND RIVER PONTOON BRIDGE
 INTRACOASTAL WATERWAY
 (PIGEON)
 ROUTE LA. 997
 IBERVILLE PARISH
 STATE PROJECT N^o 230-03-07**

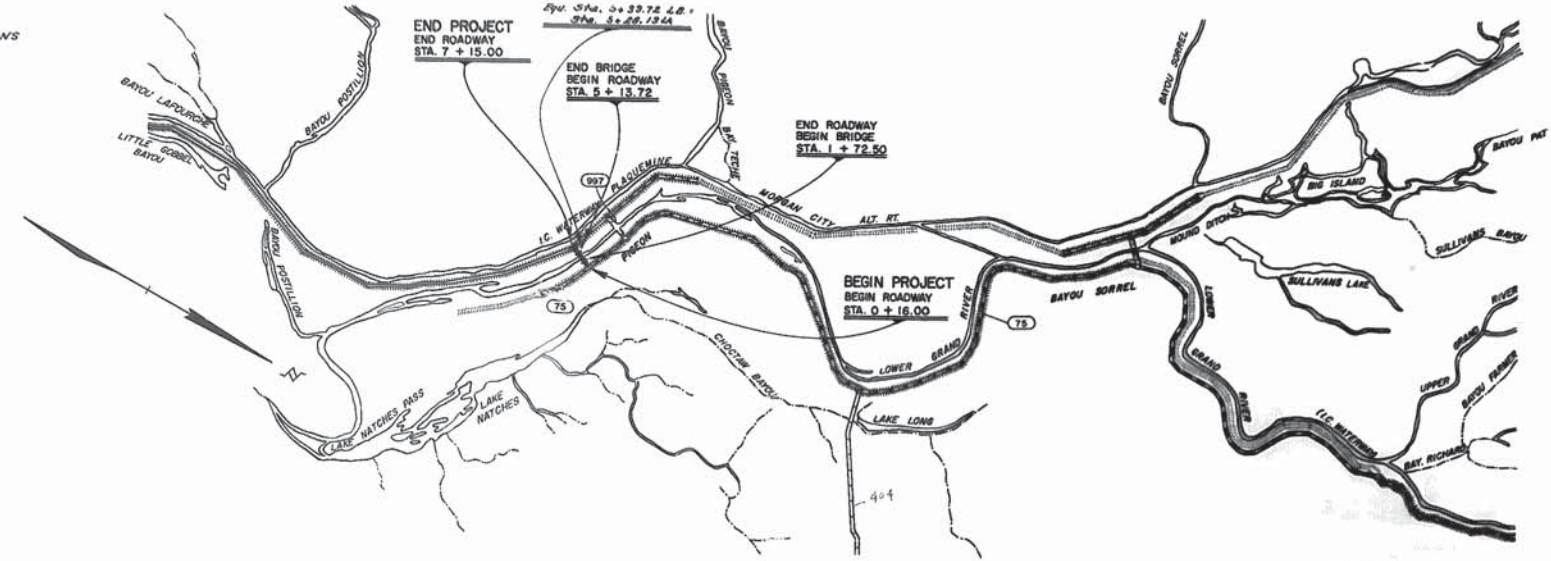
THE TRACINGS FOR THIS PROJECT HAVE BEEN REVISED TO INCLUDE ALL "AS BUILT" FEATURES AS SHOWN BY H.W. Biggs THE PROJECT ENGINEER ON THE "AS BUILT" DRAWINGS.
 J.B. CARTER,
 BRIDGE DESIGN ENGINEER.
 BY *J. McKee* DATE 1-27-59

STATE PROJECT	PARISH
230 03 07	IBERVILLE



AS BUILT PLAN

NOTE:
 Specifications adopted by the DEPARTMENT OF HIGHWAYS, May 4, 1955, and approved by the BUREAU OF PUBLIC ROADS, May 23, 1955, shall govern on this project.



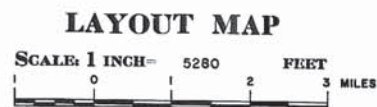
SCHEDULE OF REVISIONS

DATE	REVISION	DATE	RECOMMENDED	DATE	APPROVED
3-19-56	Change 107				
10-16-56	Change 108				

TYPE OF CONSTRUCTION:
 HIGHWAY PONTOON BRIDGE
 SHELL SURFACED APPROACHES

DELIVERY POINTS:
 INDIAN WILLS, LA. - VIA T&P RWY.
 OR
 PROJECT SITE - VIA BARGE

DATUM USED: M.G.L.
 MAG. VAR:
 BEARINGS ARE MAGNETIC
 TRANSIT BOOKS: 39-338
 LEVEL BOOKS:
 PLAN:
 SCALES PROFILE: HOR.
 VERT.



LENGTH OF PROJECT

DESCRIPTION	ALGEBRAIC SUM OF ALL EQUATIONS	GROSS LENGTH FEET	EXCEPTION FEET	BRIDGE LENGTH		ROADWAY LENGTH	
				FEET	MILES	FEET	MILES
STA. 0 + 16 - 1 + 72.50						156.90	0.029
1 + 72.50 - 5 + 13.72				341.22	0.064	244.47	0.046
5 + 13.72 - 7 + 15	+ 0.59					40.79	0.008
TOTAL LENGTH OF BRIDGES				341.22	0.064	244.47	0.046
TOTAL LENGTH OF ROADWAY						401.16	0.075
TOTAL MILES (NET) OF BRIDGE						0.110	0.051

See Sheet N^o 25 For Accepted Quantities.

RECOMMENDED FOR APPROVAL
 TRAFFIC & PLANNING ENGINEER

RECOMMENDED FOR APPROVAL
 ROAD DESIGN ENGINEER

RECOMMENDED FOR APPROVAL
J.B. Carter 2-8-56
 BRIDGE DESIGN ENGINEER

APPROVED
C. J. Jensen 2-8-56
 CHIEF ENGINEER

RECOMMENDED FOR APPROVAL DATE

DISTRICT ENGINEER
 DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED DATE

DIVISION ENGINEER
 DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS



56

AS BUILT COMPLETED:

CLEARING & GRASSING:
 Sta 0+12 to Sta 2+30
 Sta 4+40 to Sta 7+45
 To be paid for as "Clearing and Grubbing" Item 3-1 per Lump

ITEMS TO BE MOVED:
 Sta 0+24 - 05' R.I. R
 12' x 12' Frame Shed
 To be moved beyond limits of R/W
 Approx 30' S.W. of
 Road Prior to construction -
 See P.C. & E.

NOTE:

Out slip for Pontoon barge in open position. Bottom of 15' to depth of Sta 2+33 and continue at 15' to channel bank and end slopes to natural ground to be 1:1 (See Ex. 11981, 11982, 11983, 11984, 11985, 11986, 11987, 11988, 11989, 11990, 11991, 11992, 11993, 11994, 11995, 11996, 11997, 11998, 11999, 12000)

NOTE:

Unwater Barram Canal prior to constructing embankment.

IN PLACE:

NEW CONC. MESH & B.N. FENCE:
 Sta 4+00 to Sta 6+28 L.I.E.
 On 12' x 12' Frame Shed (Comp)
 To be moved beyond limits of R/W
 1 Single Swing Drive Gate
 See Sta. Plan A-7-12.

ITEMS TO BE MOVED:

Sta. 5+11 B
 12' x 12' Frame Shed (Comp)
 To be moved beyond limits of R/W
 (Approx 70' S.W. of)

AS BUILT CONSTRUCTED:

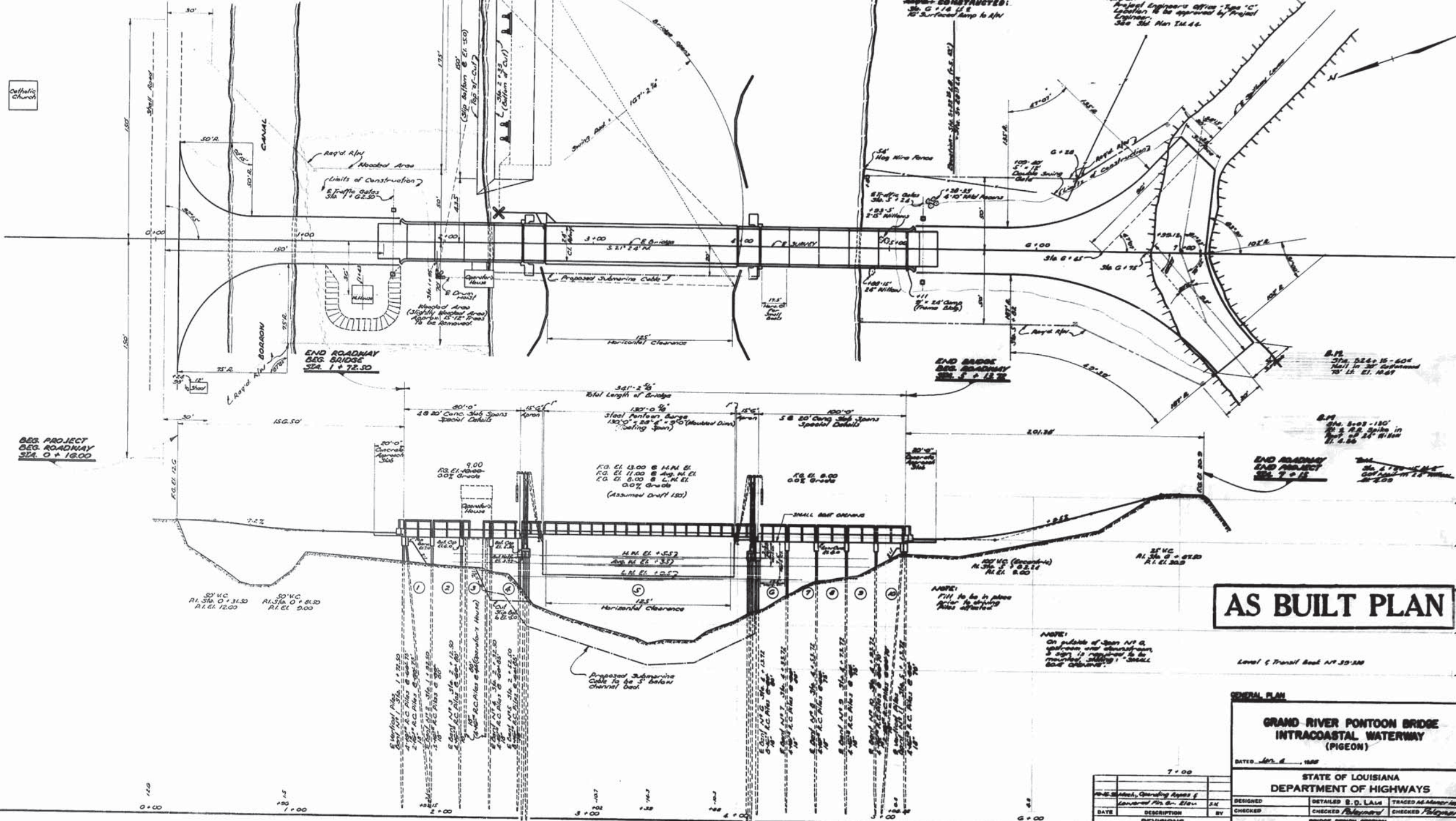
Sta. 6+18 L.I.E.
 12' Surfaced Ramp to R/W

NOTE:
 Name of Material and Date of Construction
 Required with each of Bridge.
 See Sta. Plan C.M.S. & C.M.S.2

NOTE:
 6" Wide Black Traffic Stripes to be placed on Concrete Deck of Bridge, on Concrete Approach Slabs, and on Deck of Barram Canal at Station, as directed by Engineer.

NOTE:
 As per Engineer's Office "See 'C' Location to be approved by Project Engineer.
 See Sta. Plan T.M. 4.4.

Sheet	Part	Scale
182-08-07	Plan	1" = 40'



AS BUILT PLAN

GENERAL PLAN

**GRAND RIVER PONTOON BRIDGE
 INTRACOASTAL WATERWAY
 (PIGEON)**

DATE: July 8, 1987

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED	BY	TRACED AS SHOWN BY
CHECKED	BY	CHECKED

BRIDGE DEBRIS SECTION

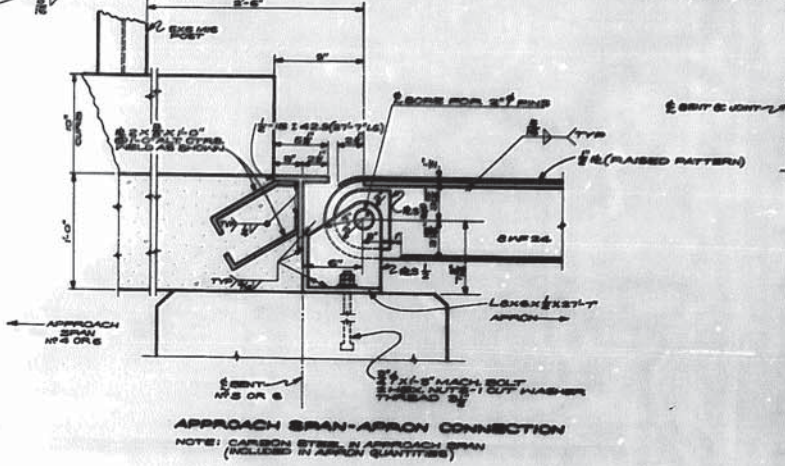
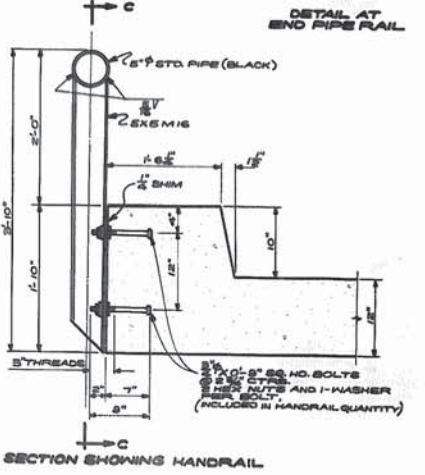
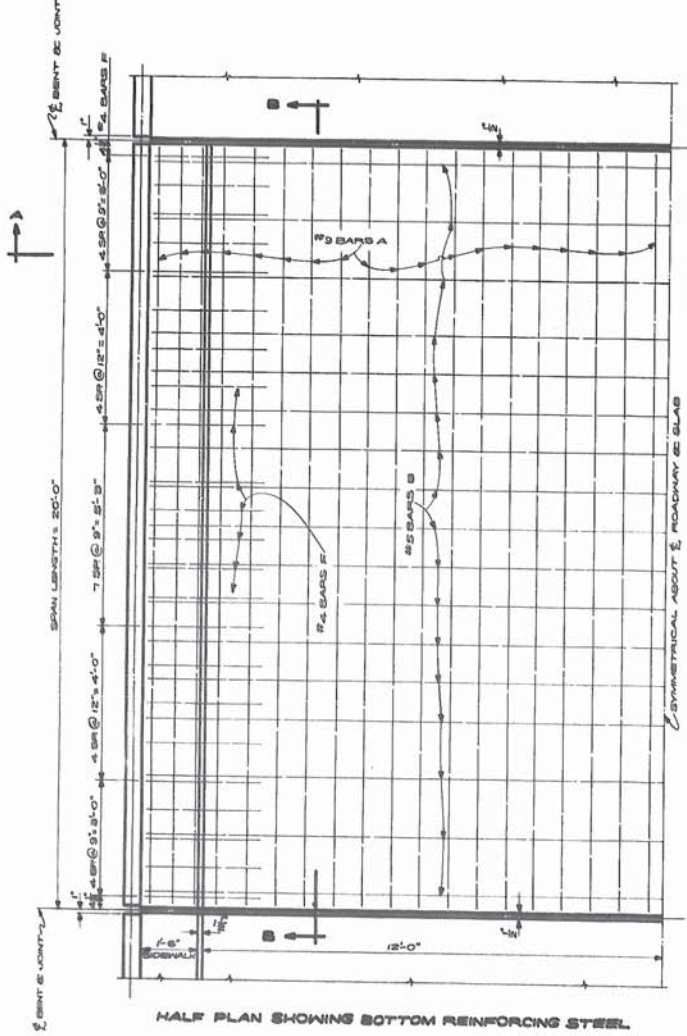
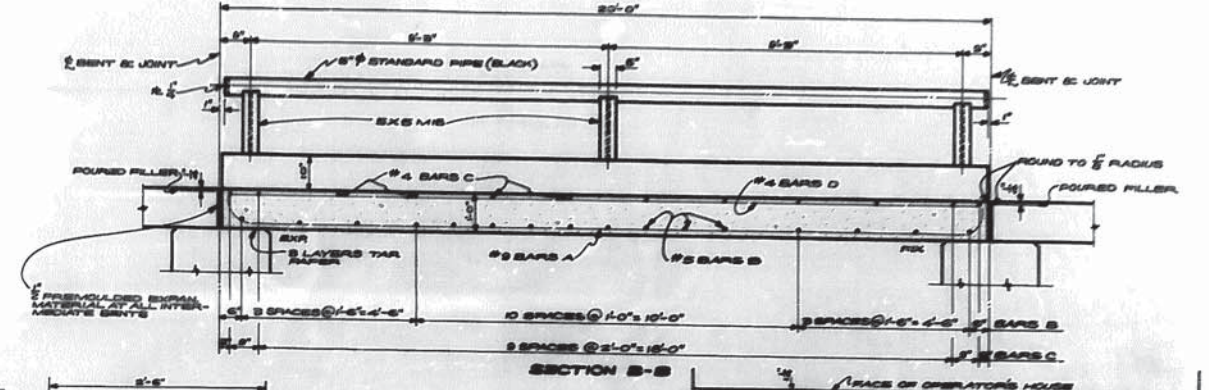
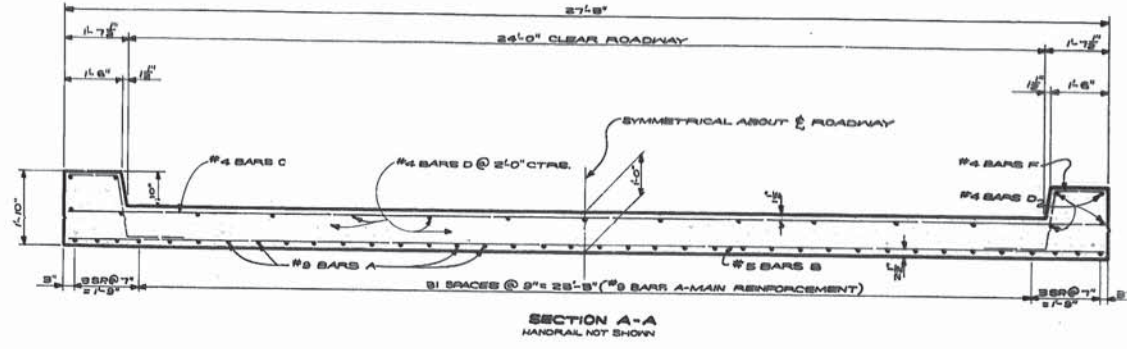
NO.	DATE	DESCRIPTION	BY

AS BUILT PLANS



60

STATE PROJECT	PARISH	SHEET
280-05-01	IBERVILLE	10



BAR SIZE	N°	LENGTH	TOTAL LENGTH	LOCATION
A	#5	88	785'-4"	BOTTOM OF SLAB
B	#3	17	45'-7"	BOTTOM OF SLAB
TOTAL #5 BARS = 487'-1"				477 LBS.
C	#4	12	26'-1"	TOP OF SLAB
D	#4	19	375'-6"	TOP OF SLAB & CURB
E	#4	48	200'-0"	CURB
TOTAL #4 BARS = 289'-2"				839 LBS.
TOTAL REINFORCING STEEL				2748 LBS.
TOTAL CLASS "A" CONCRETE				2271 CUYD.
TOTAL HANDRAIL (20' x 20' x 6")				28.57 LIN. FT.
TOTAL HANDRAIL (20' x 20' x 6")				28.57 LIN. FT.

GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS:
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR HIGHWAYS, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR BRIDGES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR PORTLAND CEMENT, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR REINFORCING STEEL, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR RAILROADS, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR AIRPORTS, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR CANALS AND DRAINAGE CANALS, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR DAMS AND LEVEES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR EARTH RETENTION STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR FLOOD CONTROL STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR GROUNDWATER CONTROL STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR IRRIGATION STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR MARINE STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR POWER PLANT STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR RAILROAD STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR ROADWAY STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR TOWNSHIP STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR WATER CONTROL STRUCTURES, JULY, 1955.
 LATEST EDITION OF STANDARD SPECIFICATIONS FOR WATER SUPPLY STRUCTURES, JULY, 1955.

AS BUILT PLAN

SPANS 1 THRU 4 AND 6 THRU 10

**GRAND RIVER PONTOON BRIDGE
 INTRACOASTAL WATERWAY
 (PIGEON)**

DATED: DEC. 20, 1955

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

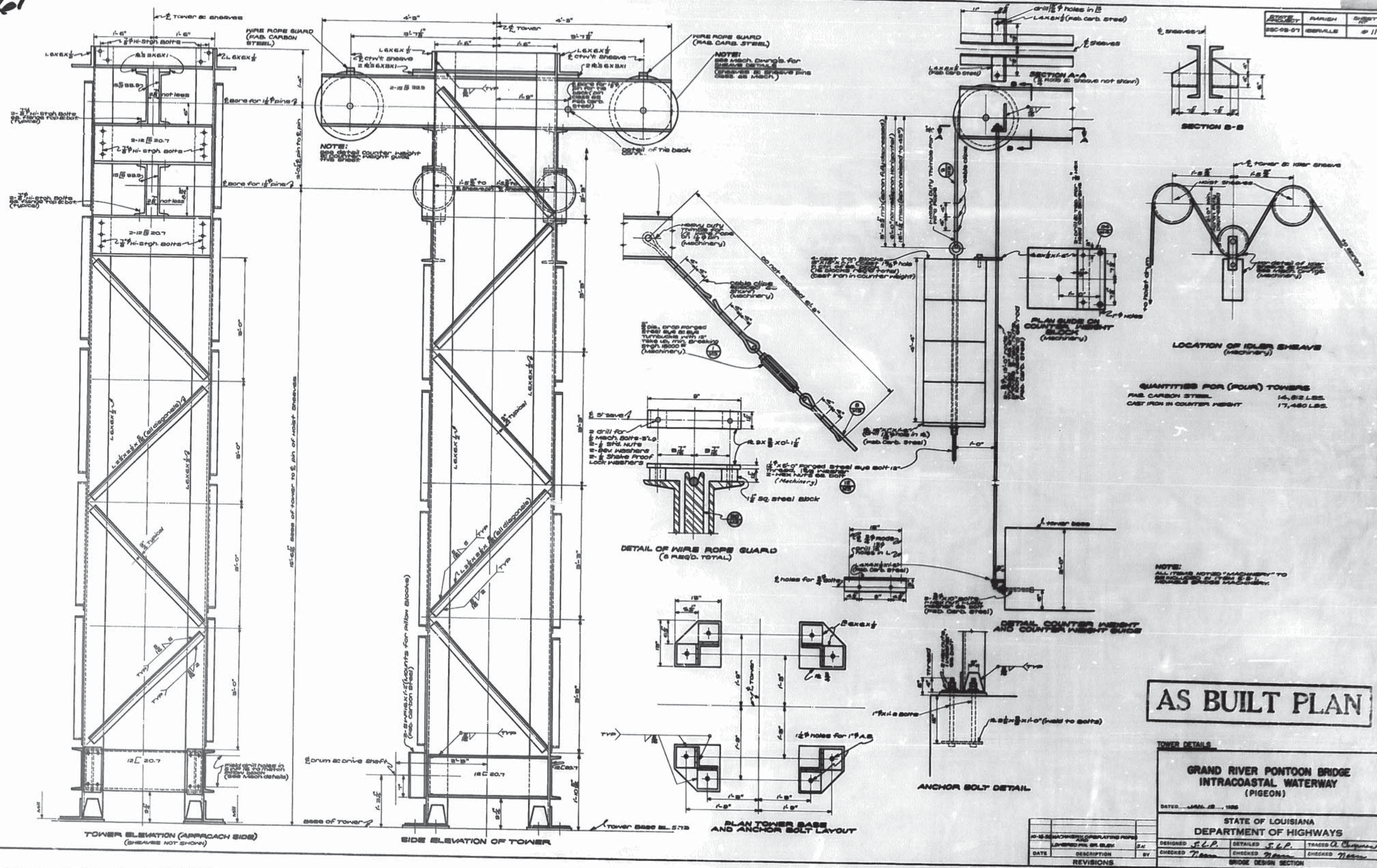
DESIGNED: *[Signature]* CHECKED: *[Signature]* TRACED: *[Signature]*
 CHECKED: *[Signature]* CHECKED: *[Signature]* CHECKED: *[Signature]*

BRIDGE DESIGN SECTION

AS BUILT PLANS



61



SECTION	DATE	BY
SEC-07	1938	11

QUANTITIES FOR (FOUR) TOWERS
 FAB CARBON STEEL 14,812 LBS.
 CAST IRON IN COUNTER HEIGHT 17,480 LBS.

AS BUILT PLAN

TOWER DETAILS

GRAND RIVER PONTOON BRIDGE
 INTRACOASTAL WATERWAY
 (PIGEON)

DATE: APR. 12, 1938

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED	S.L.P.	DETAILED	S.L.P.	TRACED	A. Chapman
CHECKED	T. Brown	CHECKED	T. Brown	CHECKED	T. Brown

BRIDGE DESIGN SECTION

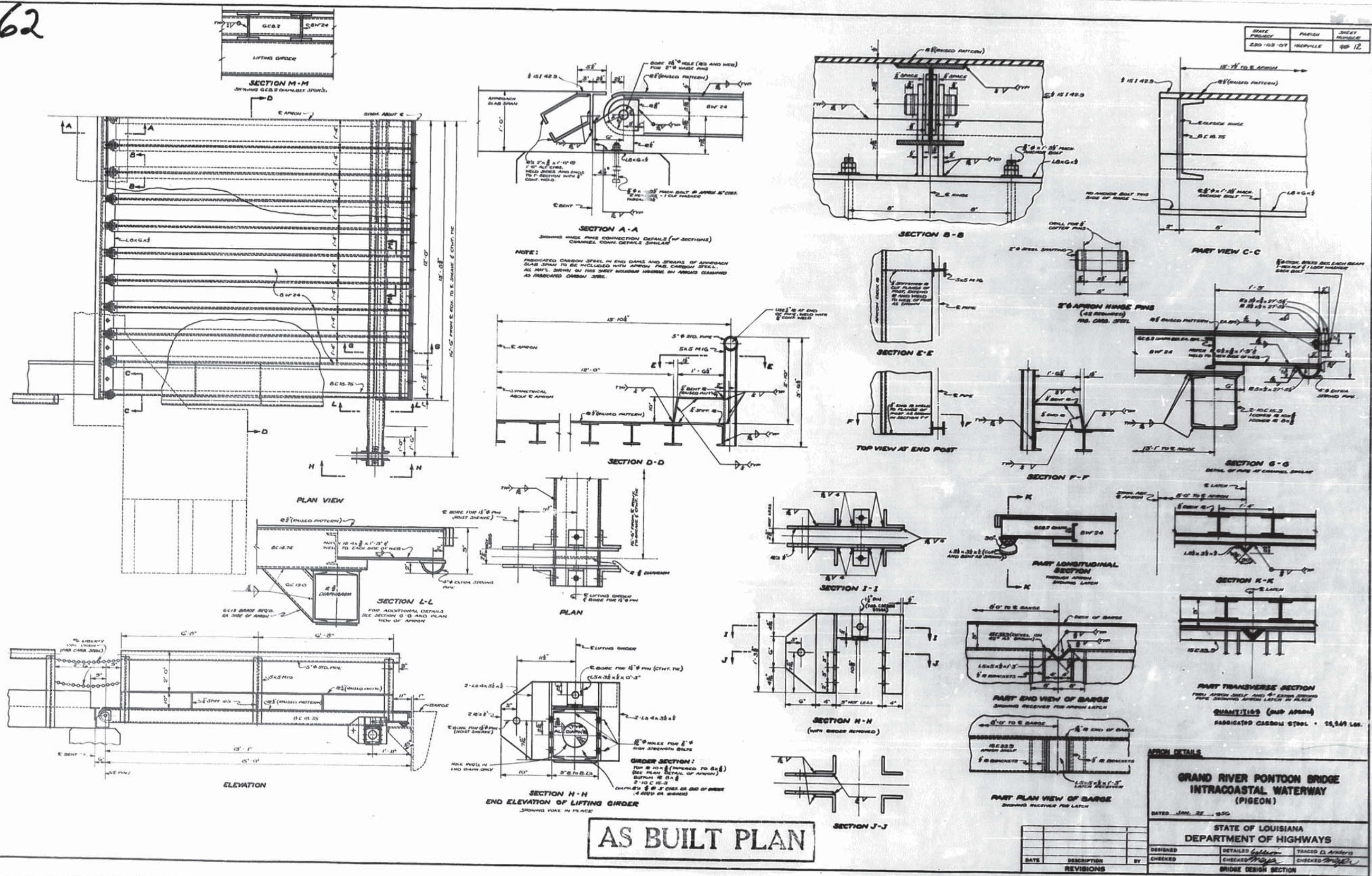
NO.	DATE	DESCRIPTION

AS BUILT PLANS



62

DATE PROJECT	DESIGNER	CHECKED	DATE
ESD-03-07	REDFLE	99-12	



AS BUILT PLAN

**GRAND RIVER PONTOON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)**

DATE: JAN. 27, 1950

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	TRACED	BY
CHECKED	CHECKED	CHECKED

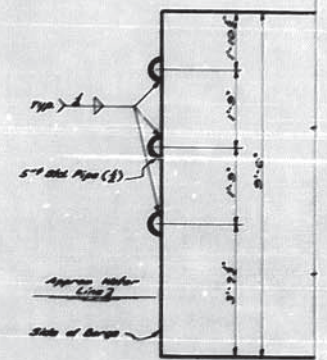
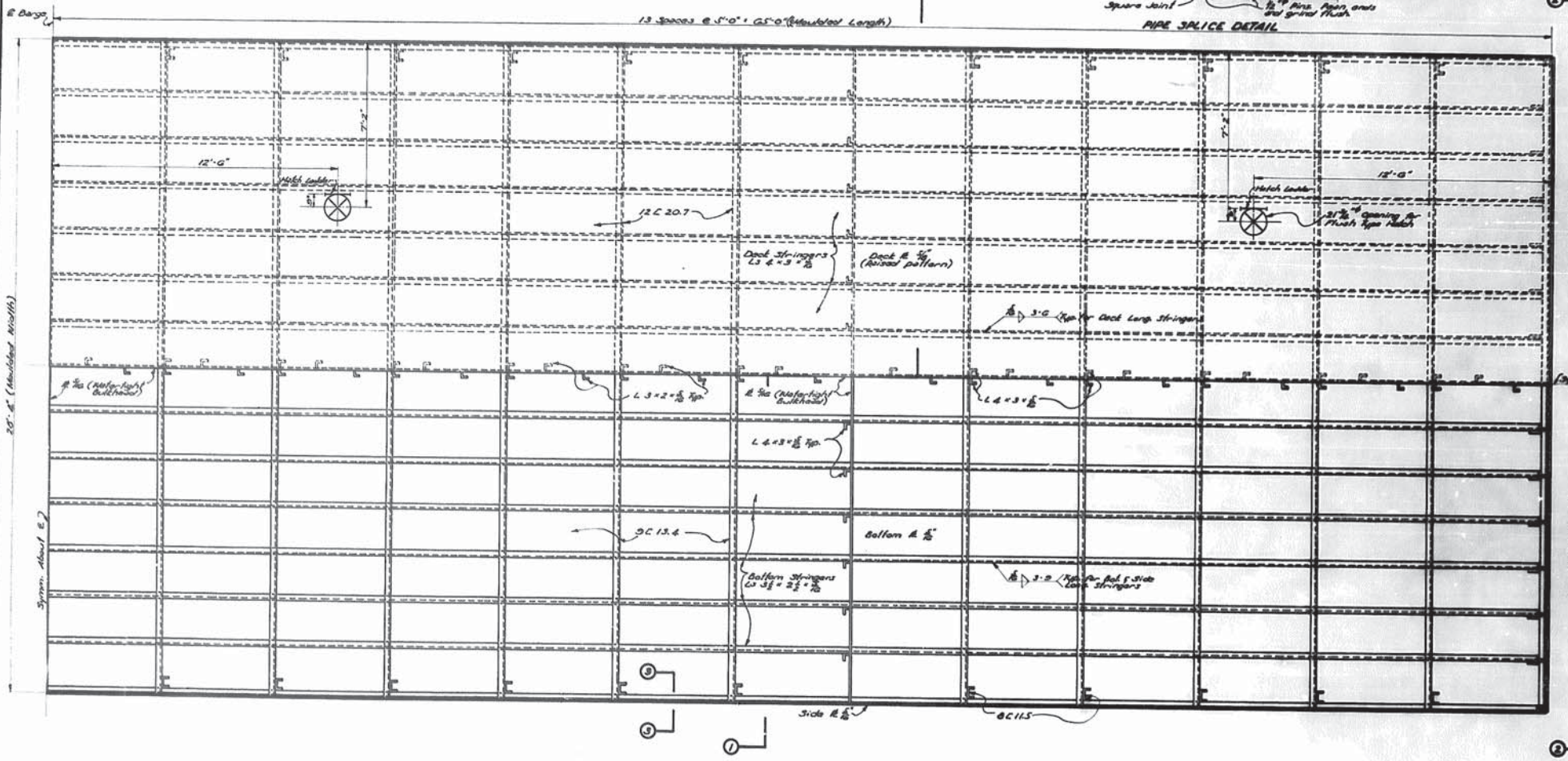
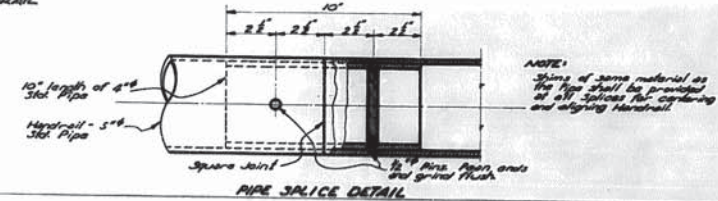
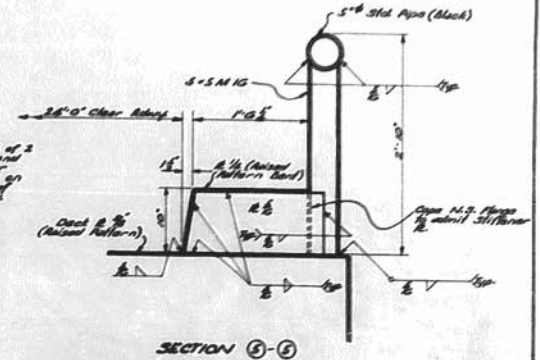
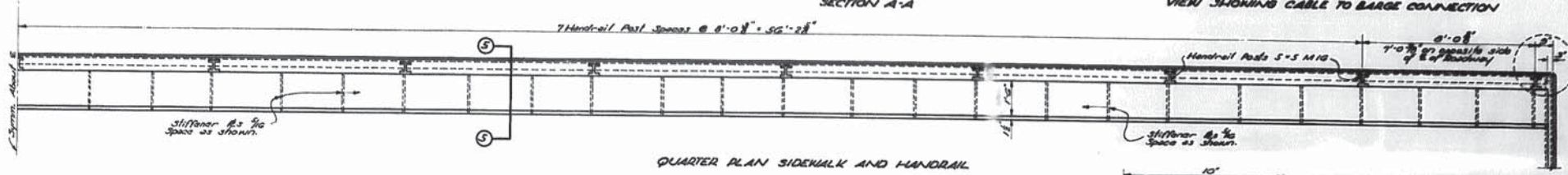
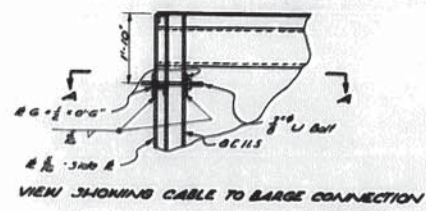
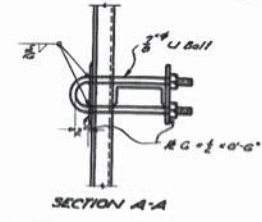
BRIDGE DESIGN SECTION

AS BUILT PLANS

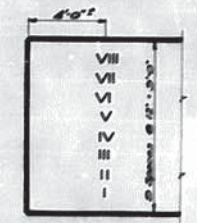


63

State Project	Parish	Sheet
230-03-07	Iberville	13



RIB RAIL
Located on Stream Side of Barge when in Spreader Position



DRAFT MARKS
Place Draft Marks on Each Side at Each End of Barge

AS BUILT PLAN

DATE: MAR 12, 1962

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	BY	TRACED	BY
CHECKED	BY	CHECKED	BY

BRIDGE DESIGN SECTION

DATE	DESCRIPTION	CHECKED	BY

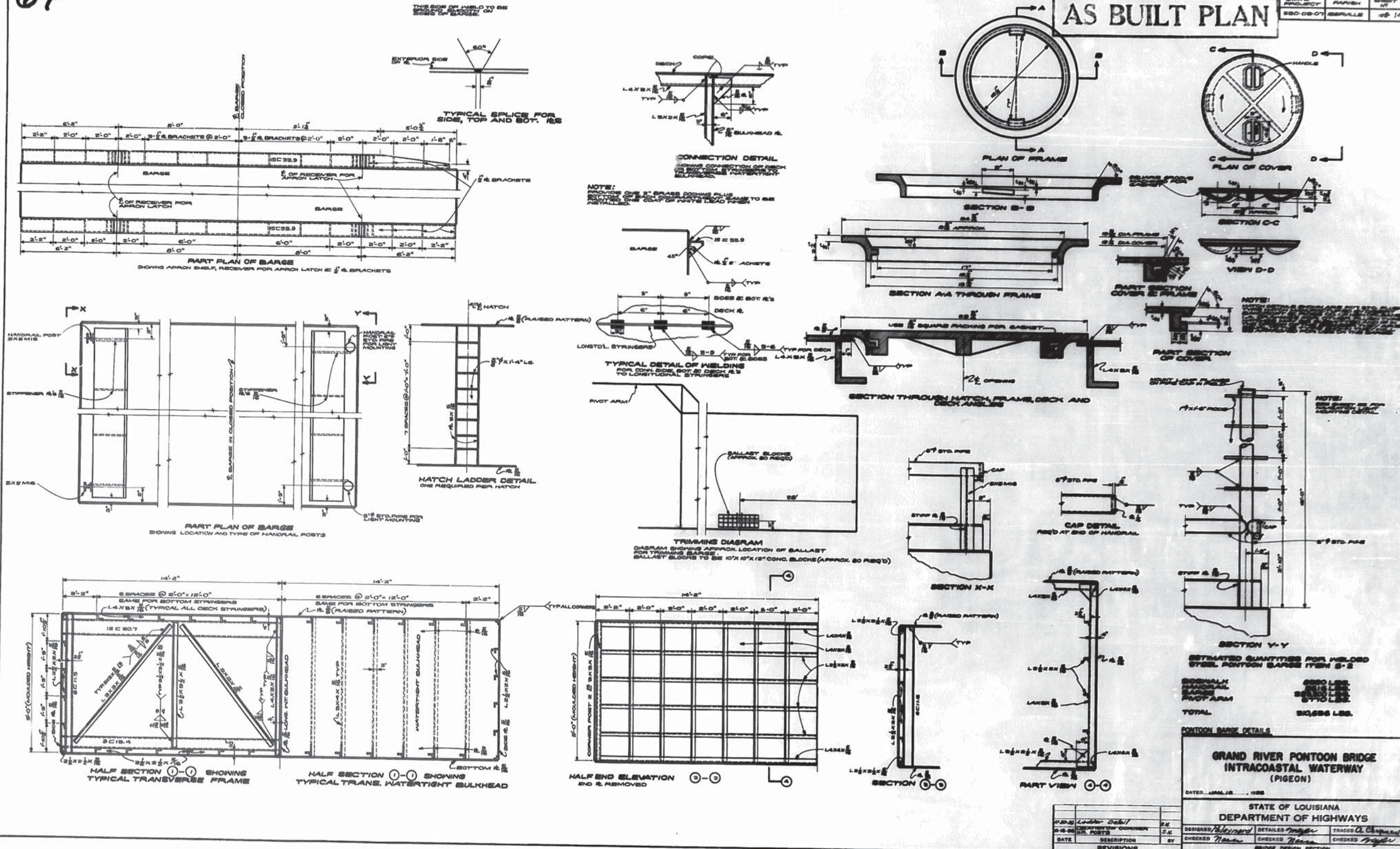
AS BUILT PLANS



64

AS BUILT PLAN

STATE PROJECT	PARISH	SHEET
280-08-07	IBERALE	# 14



ESTIMATED QUANTITIES FOR WELDED STEEL PONTON BARGE (75% S-2)

SIGNAL HANDRAIL	6800 LBS.
WATER TIGHT BULKHEAD	2500 LBS.
PROP ARM	870 LBS.
TOTAL	10170 LBS.

PONTON BARGE DETAILS

STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS		
DESIGNED <i>[Signature]</i>	DATE	CHECKED <i>[Signature]</i>
DATE	DESCRIPTION	BY
	REVISIONS	

**GRAND RIVER PONTON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)**

DATED JAN 12, 1985

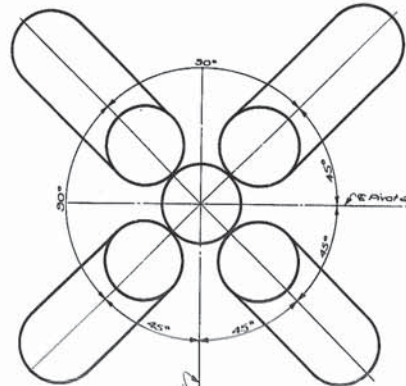
BRIDGE DESIGN SECTION



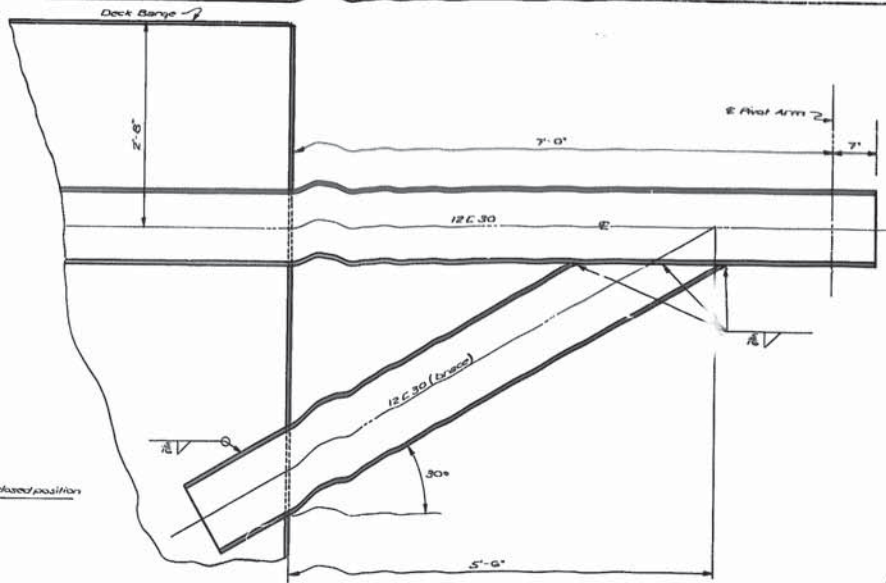
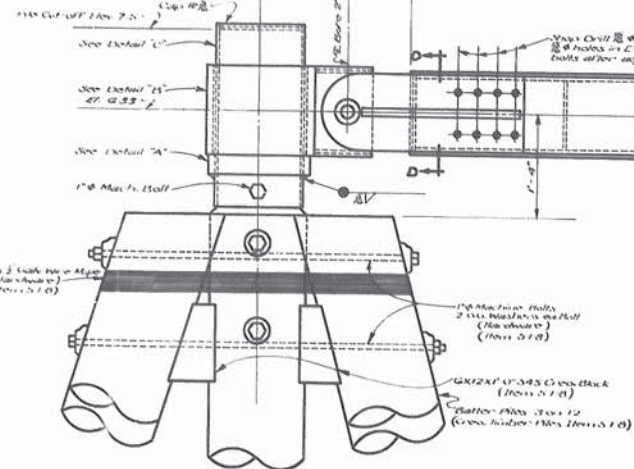
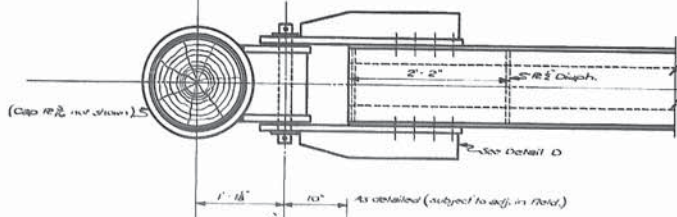
65

24" x 24" Cap ANIMAL NO 248 Cut
2 Layers of Heavy Cap and
distrubuted with 1/2" Asphalt
over Top of Piles. Place ANIMAL
Sixth and Third Channels above

METAL COVERS
TOPS OF ALL PILES

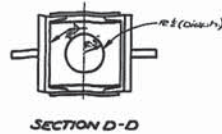


VIEW SHOWING BATTER PILES
SPACED AROUND PIVOT PILE



PART END ELEVATION OF BARGE

SHOWING CHAIN DETAIL OF 12 C.30 BRACE
TO BARGE SUPPORT 12 C.30
(WELDS NOT SHOWN)

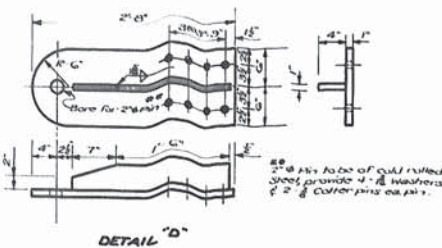


SECTION D-D

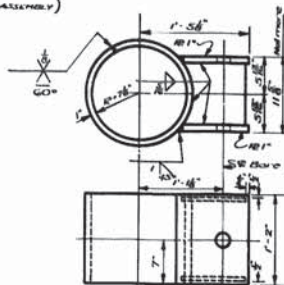
PART PLAN
(SHOWING PIVOT ARM & PIVOT PILE ASSEMBLY)

3 Equal diam. spacings

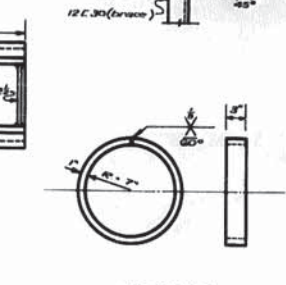
PART ELEVATION
(SHOWING PIVOT ARM & PIVOT PILE ASSEMBLY)



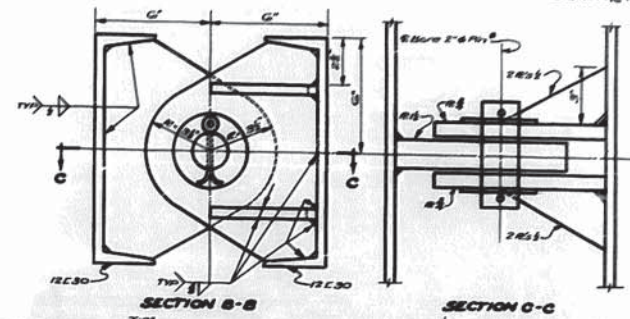
DETAIL 'D'



DETAIL 'B'



DETAIL 'A'



SECTION B-B

SECTION C-C

SECTION A-A

NOTE:
Pivot Pile Cluster & Metal marked hardware to
be paid for under Item 5-1-B.
All other metal, this sheet, to be included in Item
5-2 installed steel hardware 1/2" x 4" x 1/2" x
1/2" x 1/2"

AS BUILT PLAN

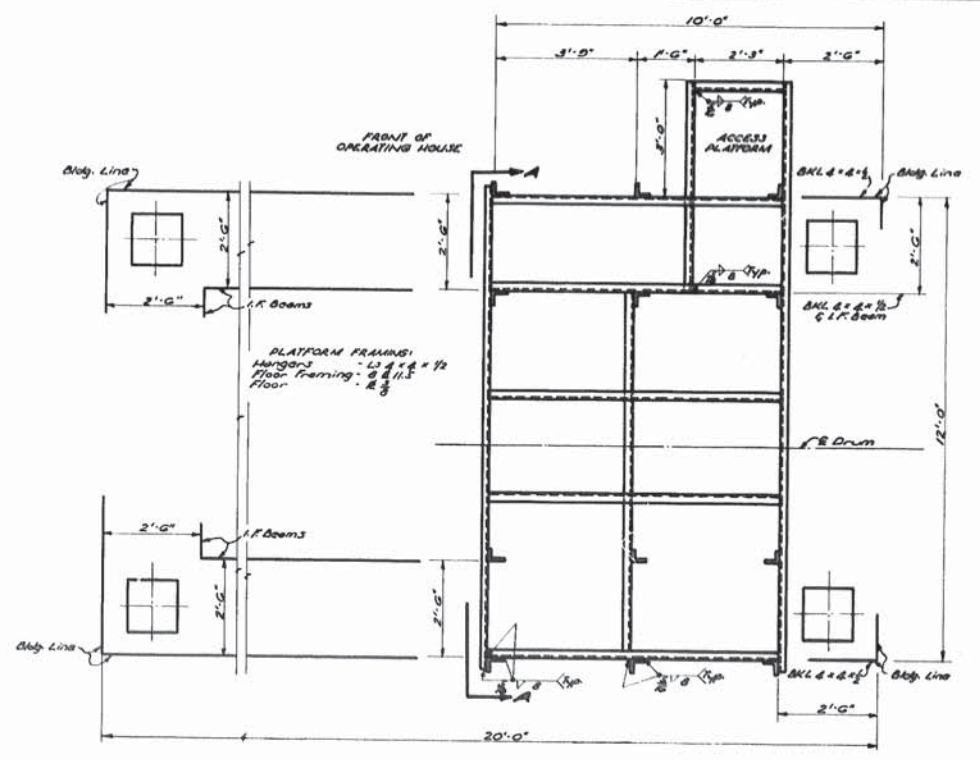
PONTON PIVOT ARM		
GRAND RIVER PONTON BRIDGE INTRACOASTAL WATERWAY (PIGEON)		
DATED Feb. 17, 1956		
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS		
DESIGNED <i>S.L.P.</i>	DETAILED <i>S.L.P.</i>	TRACED <i>C. Anding</i>
CHECKED <i>Thoma</i>	CHECKED <i>Thoma</i>	CHECKED <i>S.L.P.</i>
BRIDGE DESIGN SECTION		

AS BUILT PLANS

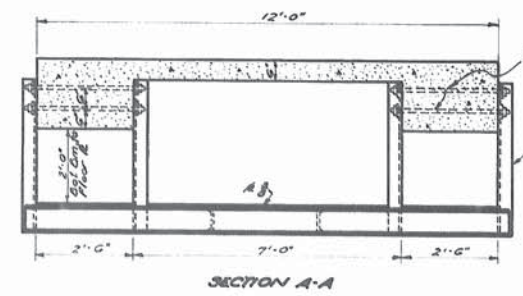


67

State Project 280-0307	Artist Barville	Sheet 17 of 17
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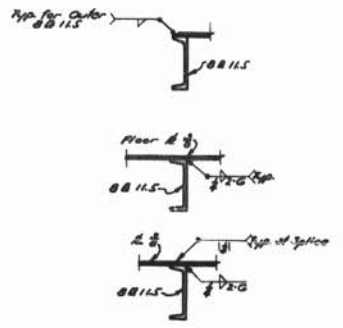


STRUCTURAL FRAMING PLAN
OF SHEAVE PLATFORM BENEATH OPERATING HOUSE
(FLOOR 2 REMOVED)



SECTION A-A

NOTE:
Location of Bolt Holes to be
determined by Contractor.



TYPICAL WELDING DETAILS
FOR CONNECTING FLOOR 2 TO G.D. ILS

NOTE:
The Contractor shall determine the final
dimensions of the Holes and other commercial
products from certified dimension outlines of
the connecting members before making any
of the Operating House or Shop drawings of the
Sheave Platform beneath the Operating House.
All material shown on this sheet is to classify
as FABRICATED CARBON STEEL.

FABRICATED CARBON STEEL 5026 LBS.

AS BUILT PLAN

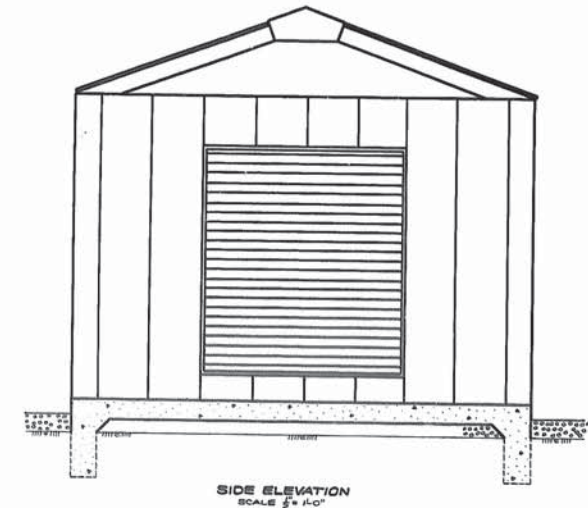
SHEAVE PLATFORM BENEATH OPERATING HOUSE		
GRAND RIVER PONTOON BRIDGE INTRACOASTAL WATERWAY (PIGEON)		
DATE: 10.2.05		
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS		
DESIGNED: S.L.P.	DETAILED: S.L.P.	TRACED: M.H.M.
CHECKED: P.H.	CHECKED: P.H.	CHECKED: P.H.
BIDGE DESIGN SECTION		

DATE	DESCRIPTION	BY

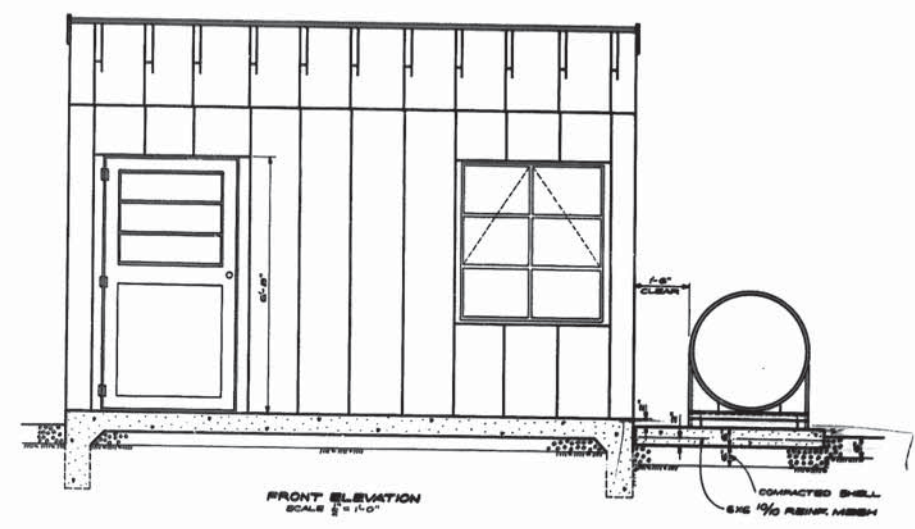
AS BUILT PLANS



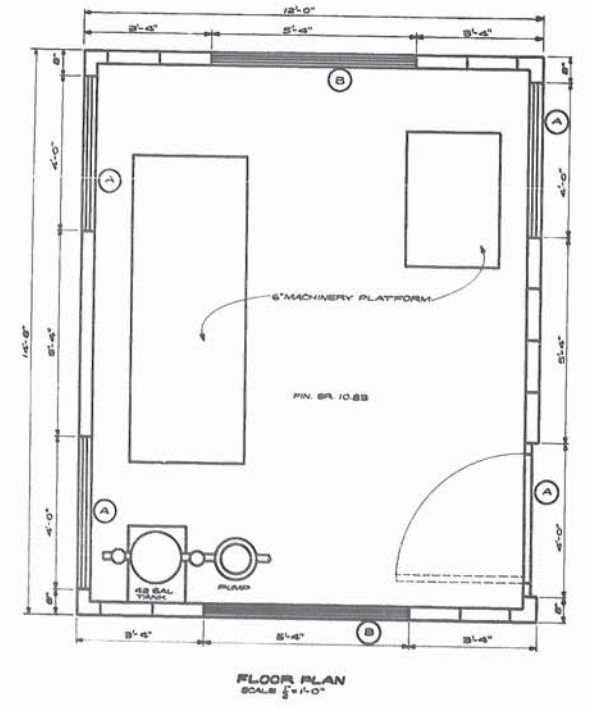
STATE PROJECT	PARISH	SHEET OF
280-0109	IBERVILLE	27/13



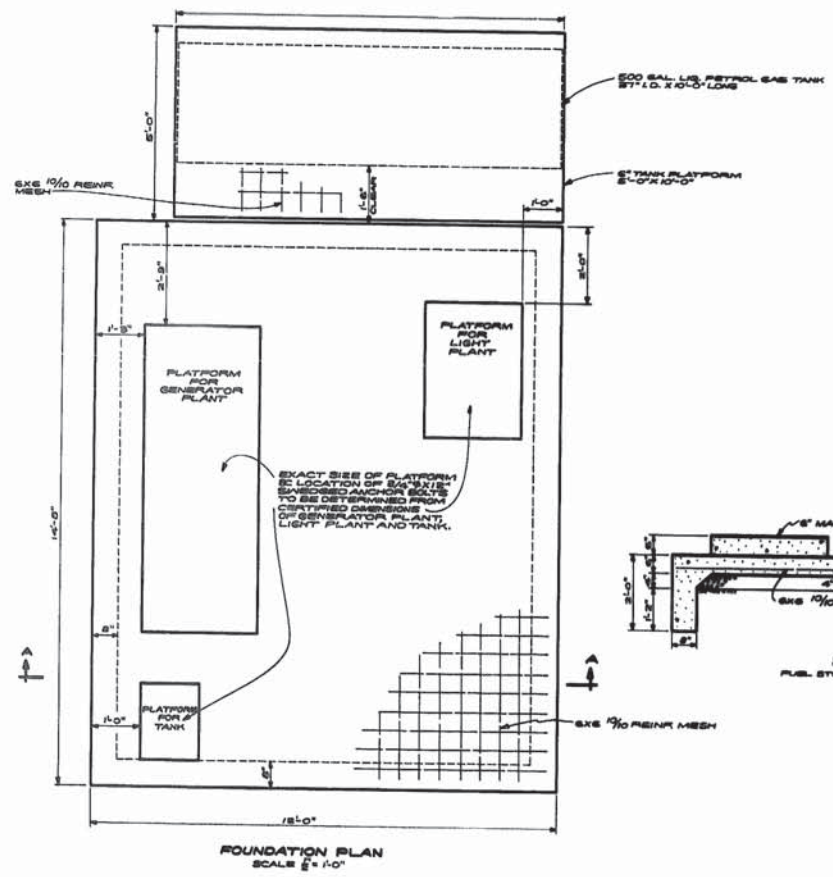
SIDE ELEVATION
SCALE 1/2" = 1'-0"



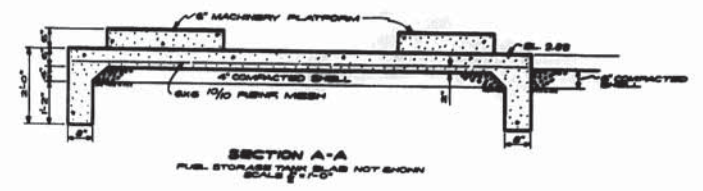
FRONT ELEVATION
SCALE 1/2" = 1'-0"



FLOOR PLAN
SCALE 1/2" = 1'-0"

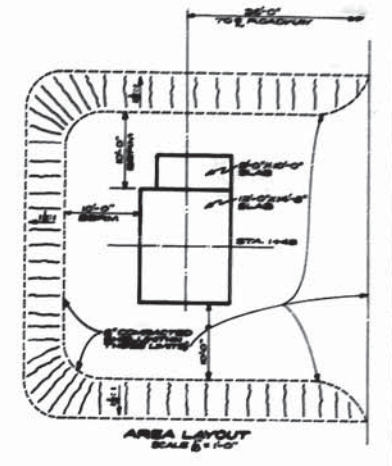


FOUNDATION PLAN
SCALE 1/2" = 1'-0"



SECTION A-A
FUEL STORAGE TANK SHALL NOT SHOW
SCALE 1/2" = 1'-0"

AS BUILT PLAN



AREA LAYOUT
SCALE 1/2" = 1'-0"

GENERAL NOTES:
FRAMING:
 MANUFACTURED STEEL PANEL GABLE ROOF STRUCTURE WITH 1/2" G-20 GALV. ROOF SHEETING AND 2" G-20 GALV. WALL PANELS. CONTROLS SHALL BE INSTALLED INSIDE UP TO THE CEILING. SEE MANUFACTURER'S SPECIFICATIONS.
DOORS:
 THE ENTRANCE DOOR SHALL BE 3'-0" x 7'-0" STEEL, WITH 3" HORIZONTAL LAMINATE GLASS TO BE GLAZED WITH 1/4" CLEAR GLASS. LOCK SHALL BE AN INSET DOOR LOCK TO HAVE A HANDLE ON INSIDE. SEE SPECIFICATIONS.
WINDOWS:
 ALL WINDOWS SHALL BE 14" x 14" DOUBLE GLASS COMMERCIAL PROJECTED STEEL. OPERABLE WINDOW SHALL BE ON INSIDE OF BUILDING. WINDOW SHALL BE OPERATED BY HAND. WINDOW SHALL BE 1/4" CLEAR GLASS. WINDOW SHALL BE 1/4" CLEAR GLASS. WINDOW SHALL BE 1/4" CLEAR GLASS. WINDOW SHALL BE 1/4" CLEAR GLASS.
PAINTING:
 ALL METAL SURFACES SHALL BE PRIMED AND PAINTED WITH AN EPOXY-RESIN-BASED PAINT. ALL SURFACES SHALL BE PAINTED WITH AN EPOXY-RESIN-BASED PAINT. ALL SURFACES SHALL BE PAINTED WITH AN EPOXY-RESIN-BASED PAINT. ALL SURFACES SHALL BE PAINTED WITH AN EPOXY-RESIN-BASED PAINT.
ELECTRICAL:
 THE WORK SHALL BE AS SHOWN IN THE ELECTRICAL SCHEDULES. ALL ELECTRICAL WORK SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL AND STATE REGULATIONS. ALL ELECTRICAL WORK SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL AND STATE REGULATIONS.
GRAB:
 METAL AND WOOD SURFACES SHALL BE PROTECTED WITH AN EPOXY-RESIN-BASED PAINT. ALL SURFACES SHALL BE PAINTED WITH AN EPOXY-RESIN-BASED PAINT. ALL SURFACES SHALL BE PAINTED WITH AN EPOXY-RESIN-BASED PAINT. ALL SURFACES SHALL BE PAINTED WITH AN EPOXY-RESIN-BASED PAINT.
 ALL MATERIALS REQUIRED TO COMPLETE HOUSE TO BE PROVIDED BY CONTRACTOR AS NOTED FOR AS NOTED.

MACHINERY HOUSE
GRAND RIVER PONTOON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)
 DATED: FEB. 2, 1956

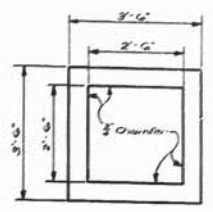
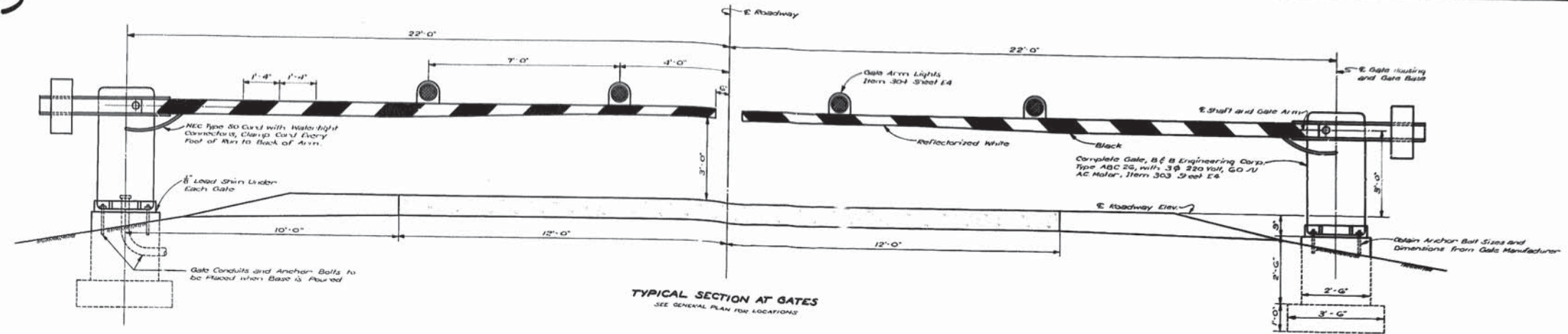
STATE OF LOUISIANA		DEPARTMENT OF HIGHWAYS	
DESIGNED	TRACED & CHECKED	BY	BY
CHECKED	CHECKED	CHECKED	CHECKED
REVISIONS		BRIDGE DESIGN SECTION	

AS BUILT PLANS

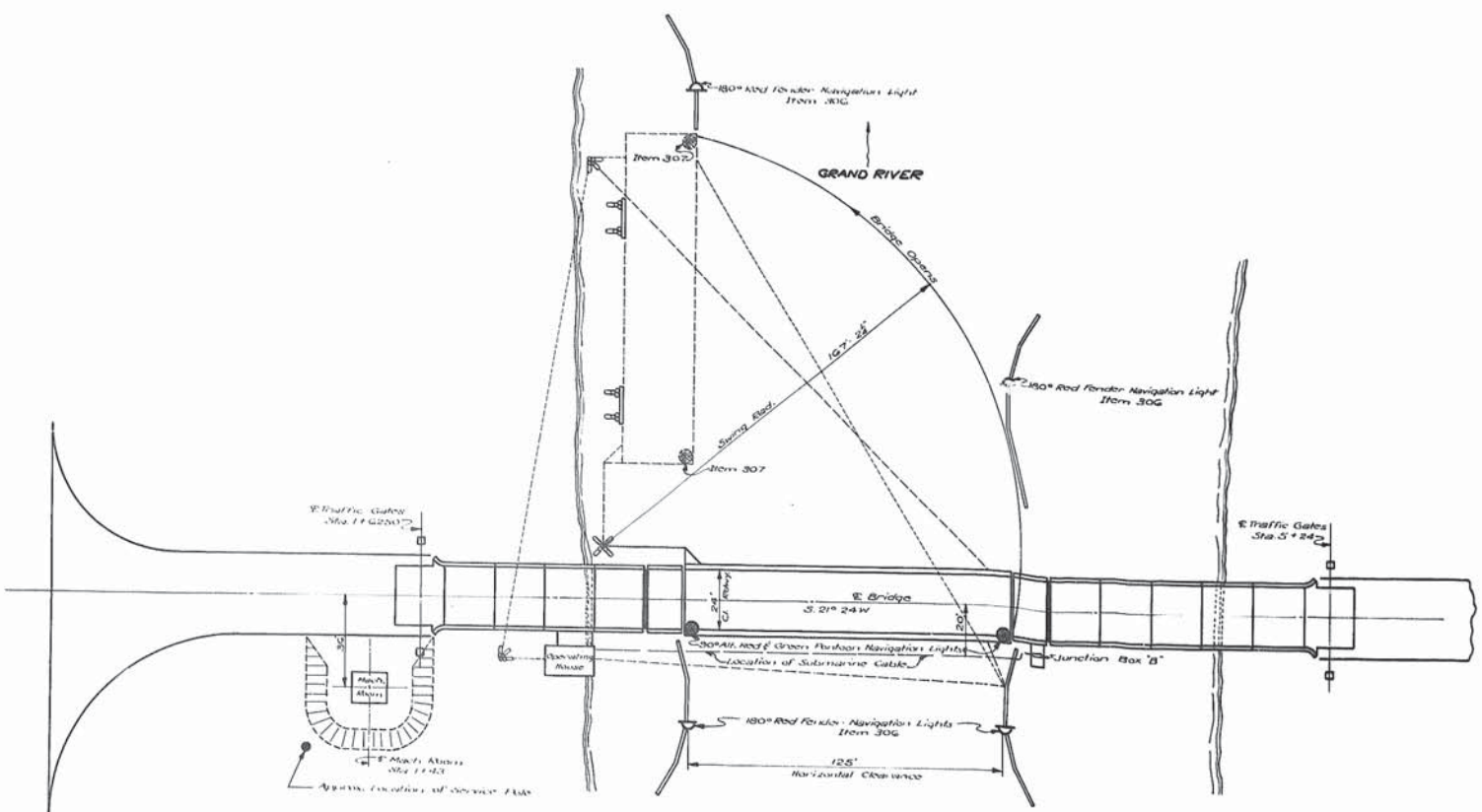


73

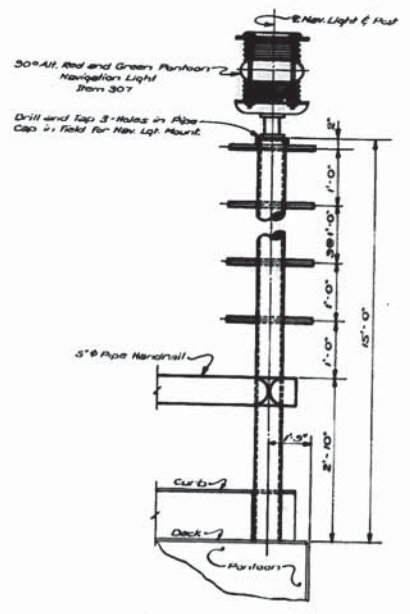
STATE PROJECT	PARISH	SHEET NUMBER
280-03-07	IBERVILLE	27-23



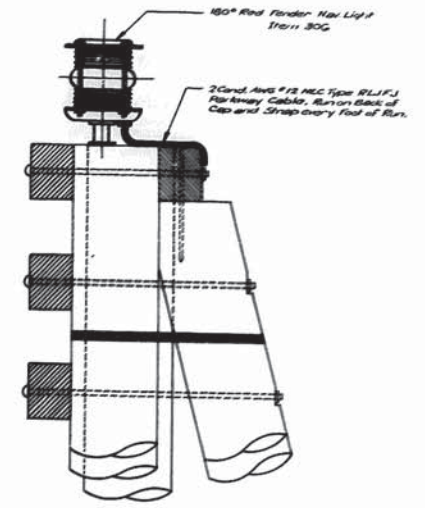
TYPICAL SECTION AT GATES
SEE GENERAL PLAN FOR LOCATIONS



LOCATION OF NAVIGATION LIGHTS, SUBMARINE CABLE AND SERVICE POLE



PONTON NAVIGATION LIGHT MOUNTING DETAIL



FENDER NAVIGATION LIGHT MOUNTING DETAIL

AS BUILT PLAN

TRAFFIC GATES AND NAVIGATION LIGHTS MOUNTING DETAILS

E5

GRAND RIVER PONTOON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)

DATED: Dec. 2, 1956

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	LEWIS	DETAILED	LEWIS	TRACED	D. HANCOCK
CHECKED	W.F.	CHECKED	W.F.	CHECKED	W.F.

BRIDGE DESIGN SECTION

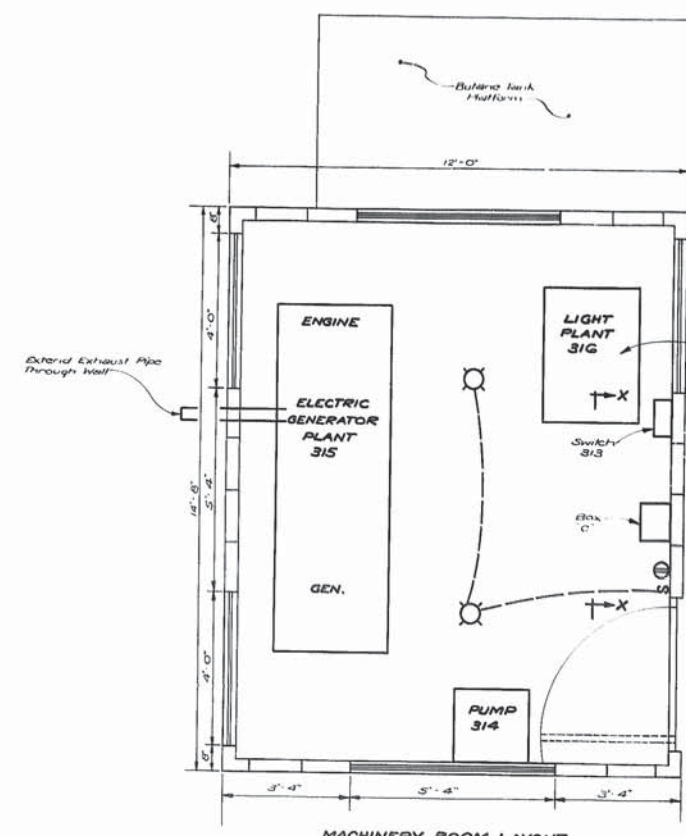
DATE	DESCRIPTION	BY

AS BUILT PLANS

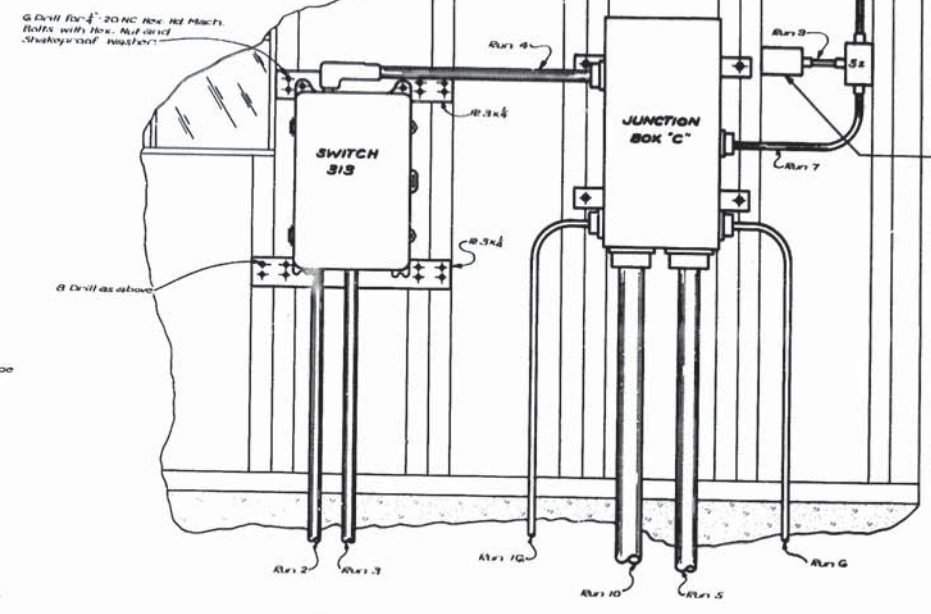


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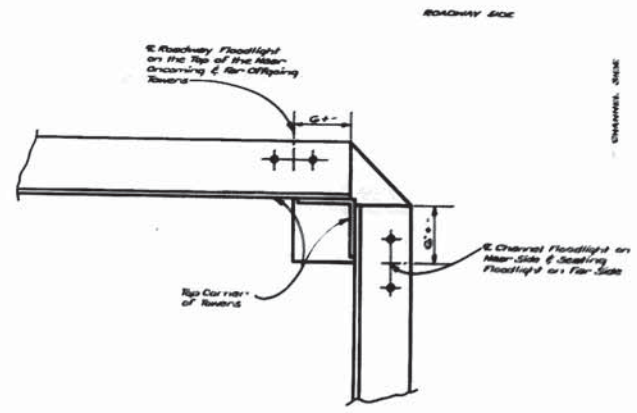
STATE PROJECT	PARISH	SHEET NUMBER
280-118-114	IBERVILLE	28-26



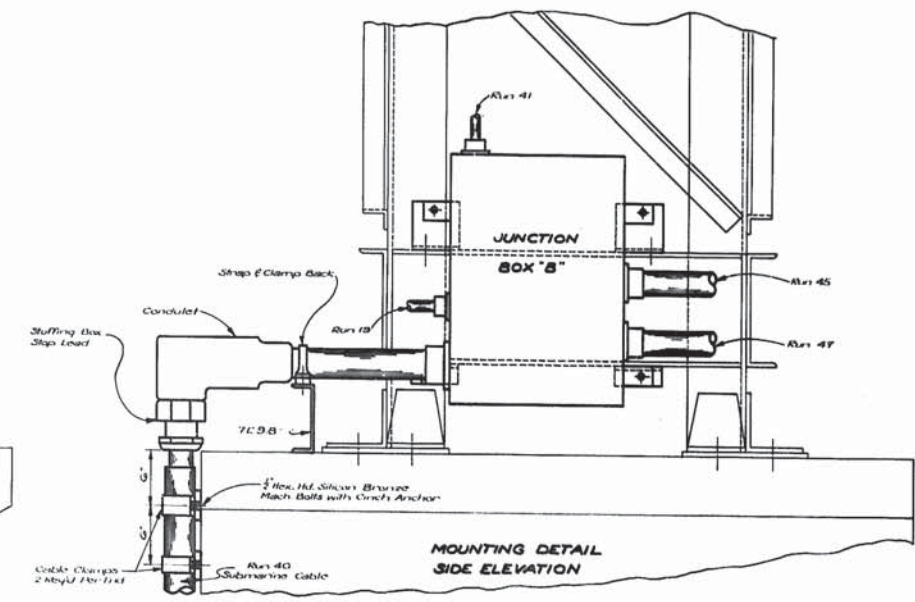
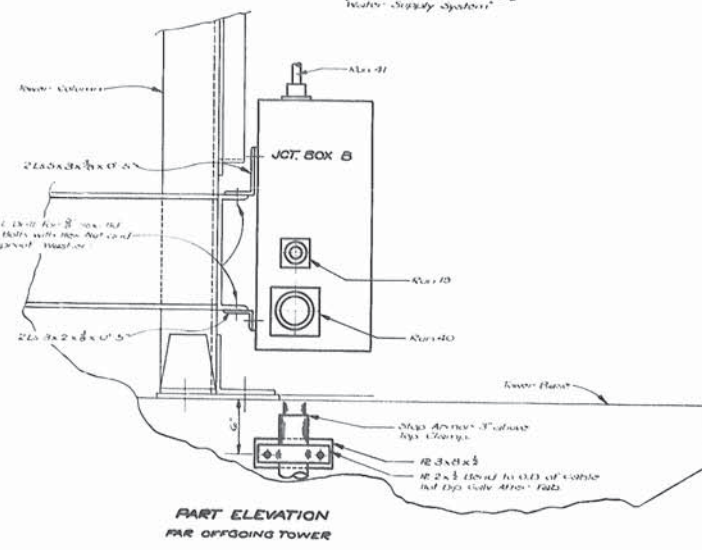
NOTE:
The Concrete Slab Along to be furnished under item 33 under "Supply System"



NOTE:
Conduit Runs 3, 5, 6 and 10 shall be of Extra Flexible Sulfite in the last 1' 0" to 1' 6" of the Run that connect to the Machines.
(Connections Made above Slab).



GENERAL NOTES:
1- Equipment Numbers Refer to Equipment Lists
Sheet E4
2- See Sheet E4 of E7 for Junction Box Details.



AS BUILT PLAN

E8

MACHINERY HOUSE LAYOUT
JUNCTION BOX MOUNTING DETAILS

**GRAND RIVER PONTOON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)**

DATED: Jan. 21, 1956

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED BY	DETAILED BY	TRACED BY
CHECKED J.C.L.	CHECKED J.C.L.	CHECKED J.C.L.

BRIDGE DESIGN SECTION

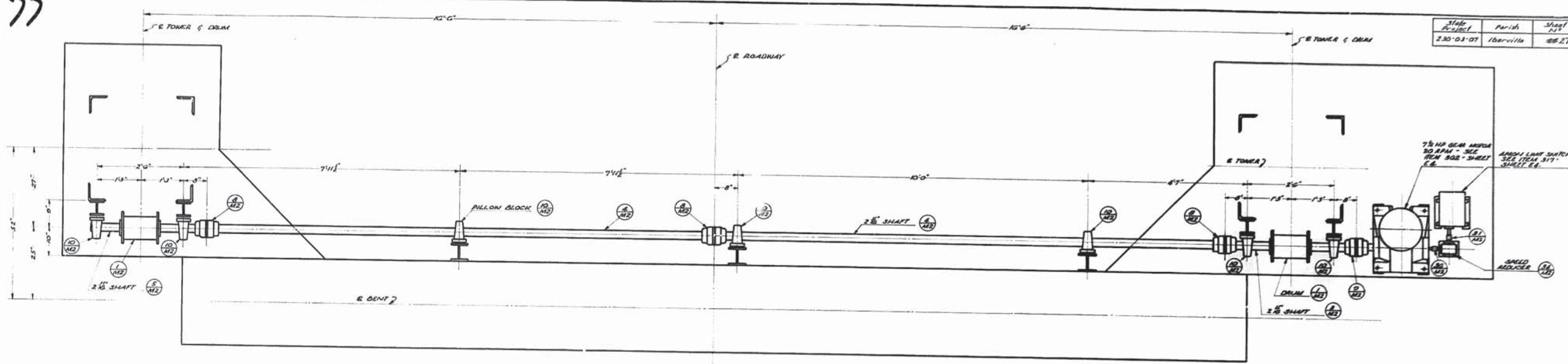
DATE	DESCRIPTION	BY

AS BUILT PLANS

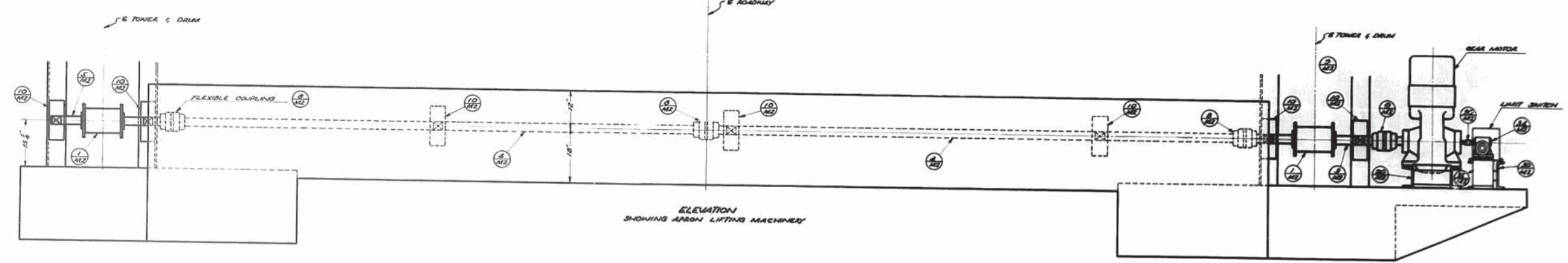


77

Sheet	Parish	Sheet
230-03-07	Iberville	25-27



PLAN
SHOWING APRON LIFTING MACHINERY



ELEVATION
SHOWING APRON LIFTING MACHINERY

PAINTING NOTE:
ALL UNFINISHED SURFACES OF MACHINERY SHALL BE PAINTED ONE THICK COAT OF RED LEAD AND OIL. ALL FINISHED SURFACES SHALL BE COATED WITH WHITE LEAD AND TALLOW BEFORE SHIPMENT AND SHALL BE PROTECTED BY WOODEN CASINGS.

LUBRICATION NOTE:
UNLESS OTHERWISE SHOWN ON DETAIL DRAWINGS, LUBRICANT SHALL BE AS FOLLOWS OR APPROVED EQUAL:
PILLOW BLOCKS, COUPLINGS & TRUSSION BEARINGS - "E-330 FINE GREASE "C"
EXPOSED TEETH - MEDIUM HARD GREASE
ENCLOSED SPEED REDUCERS - STD. OIL "TEREZO 85" VISC. SAE 30
WIRE ROPE - STD. OIL CO. SURETTE COMPOUND NY 1500.

THICKNESS & NUMBER OF SHIMS TO BE FURNISHED	DIA.		
	1/2"	3/4"	1"
1/2"	2	2	3
3/4"	4	2	4
1"	6	5	5

AS BUILT PLAN

ASSEMBLY OF APRON LIFTING MECHANISM

**GRAND RIVER PONTOON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)**

DATED Jan. 22, 1932

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED BY <u>Brewer</u>	DETAILED BY <u>Brewer</u>	TRACED BY <u>Hammond</u>
CHECKED BY <u>Kuzel</u>	CHECKED BY <u>Kuzel</u>	CHECKED BY <u>Kuzel</u>

BRIDGE DESIGN SECTION

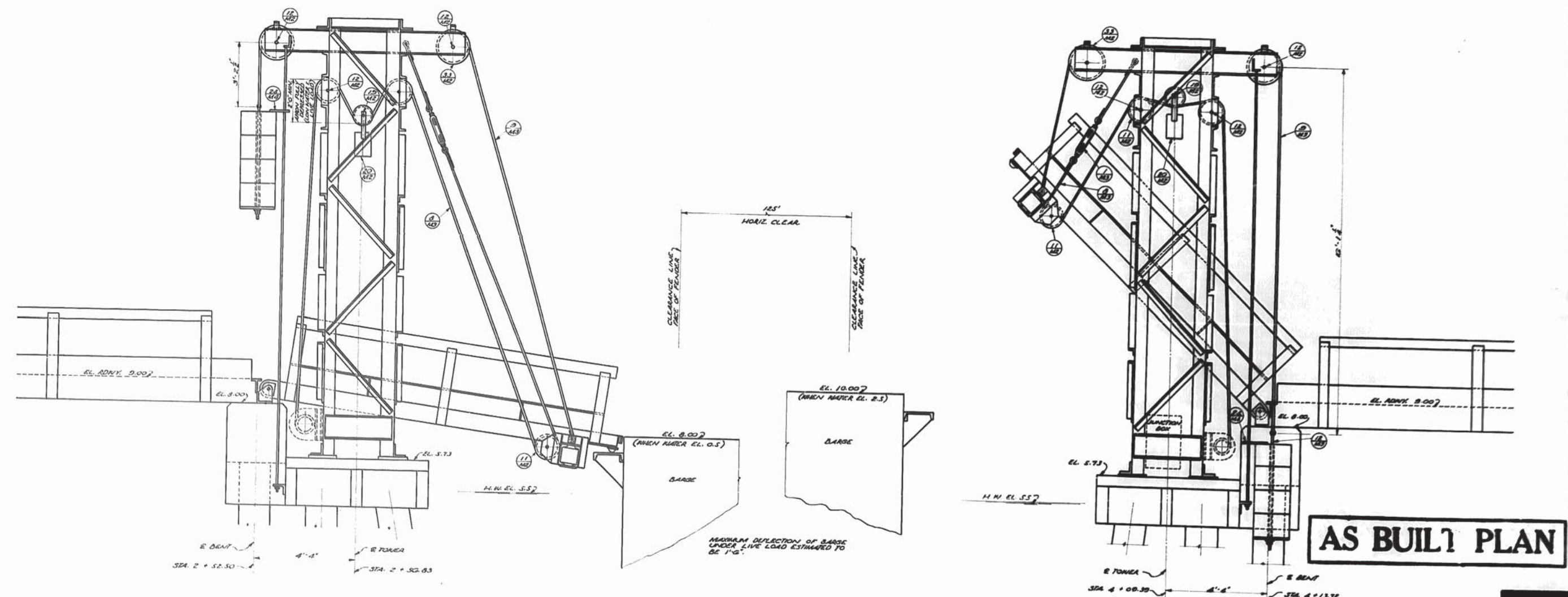
NO.	DESCRIPTION	DATE	BY

AS BUILT PLANS



78

State Project	Parish	Sheet No.
230-03-07	Iberville	2028



ELEVATION SHOWING ARROW FULLY DEPRESSSED

NOTE:
1. HEAD OF ROPE ON DRUMS (10)
WITH ARROW IN THIS POSITION.

PART OUTSIDE ELEVATION SHOWING TOWER ASSEMBLY

ELEVATION SHOWING ARROW RAISED TO 45°

AS BUILT PLAN

MIA

TOWER SHEAVE ARRANGEMENT

**GRAND RIVER PONTOON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)**

DATED Feb. 12, 1950

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

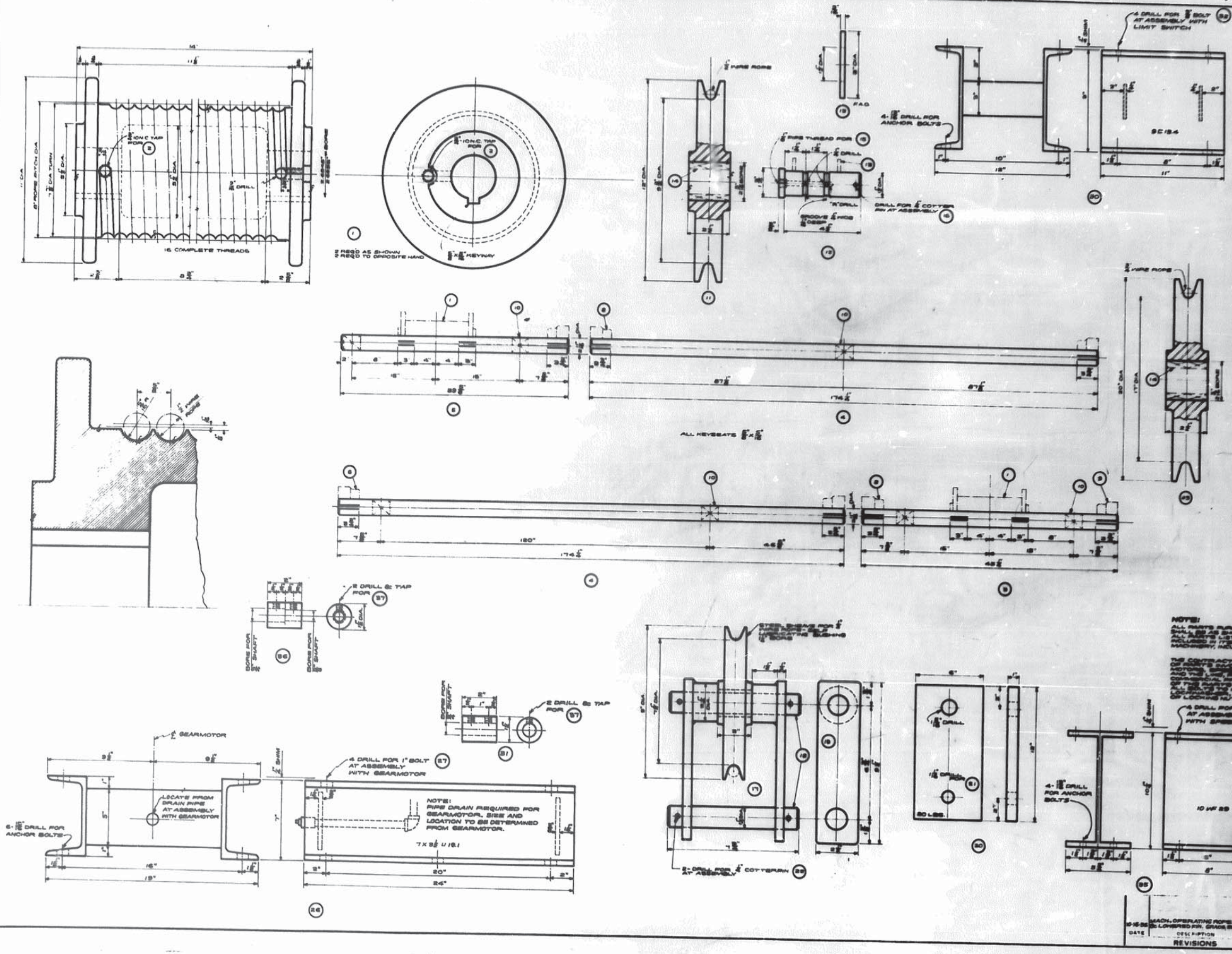
DESIGNED	BY	TRACED/AMENDED
CHECKED	BY	CHECKED

BRIDGE DESIGN SECTION

DATE	DESCRIPTION	BY

AS BUILT PLANS





DATE	SCALE	SHEET
7/27/58	AS BUILT	17

BILL OF MATERIAL FOR ONE PONTOON BRIDGE			
PART	QUAN	DESCRIPTION	MATERIAL
1	2	DRUM	C 1/4" X 1/2" X 1/2"
2	2	1/2" DIA HOLLOW S. SCREEN S'LS	STEEL
3	2	DRUM SHAFT (D-N)	STEEL
4	4	INTERMEDIATE SHAFT	STEEL
5	2	DRUM SHAFT (D-N)	STEEL
6	16	1/2" KEY - 1/2" LG	STEEL KEYSTOCK
7	8	1/2" KEY - 1/2" LG	STEEL KEYSTOCK
8	2	G. O. JAMES UN. COUPLER SIZ 1-1/2"	CONV.
9	2	FLY COUPLER SIZ 1-1/2" AND ONE END SIZ 1-1/2" G. O. JAMES	CONV.
10	16	FLY BLK END SIZ 1-1/2" SHAFT BEARING SIZ 1-1/2"	CONV.
11	2	BEARING FOR APRON OPERATING ROPE	STEEL
12	20	BEARING FOR ROPE (20 AND 21)	STEEL
13	40	TURNSTY WASHER	BRONZE
14	40	BEARING BEARING FOR 2" BEARING IN BASE	CONV.
15	20	1/2" BALL BEARING FITTING	CONV.
16	20	COFFER PIN - 1/2" LG	BRASS CONV.
17	4	BEARING	STEEL
18	8	PIN	STEEL
19	8	SUSPENSION LINK	STEEL
20	20	WASHER	STEEL
21	4	1/2" DIA MACH BOLT - 1/2" WITH STD NUT	STEEL
22	16	1/2" DIA MACH BOLT - 1/2" LONG	STEEL
23	20	1/2" DIA MACH BOLT - 1/2" LG	STEEL
24	20	1/2" DIA STD NUT	STEEL
25	20	1" SHAWBROOK LOCKWASHER	CONV.
26	8	POWER LINK SUPPORT	STEEL WELD.
27	8	1" - 8 DIA MACH BOLT - 1/2" LG	STEEL
28	8	1" - 8 DIA STD NUT	STEEL
29	8	1" SHAWBROOK LOCKWASHER	CONV.
30	2	LIMIT SWITCH SUPPORT	STEEL WELD.
31	2	SLEEVE COUPLER FOR 1/2" SHAFT	STEEL
32	16	1/2" DIA MACH BOLT - 1/2" LONG WITH 1/2" LOCKWASHER SIZ 1/2"	STEEL
33	8	BEARING FOR COUNTERWEIGHT ROPE	STEEL
34	2	BOSTON GEAR COUPLER SIZ 1-1/2" GEAR HOLES UN. RATE SIZ 1/2" SPEED REDUCER	CONV.
35	2	SPEED REDUCER SUPPORT	STEEL
36	2	SLEEVE COUPLER ONE END FOR 1/2" SHAFT - ONE END FOR 1/2" SHAFT	STEEL
37	8	1/2" DIA CLIP NUT BOLT BY 1/2" LG	STEEL

NOTE:
 ALL PARTS FURNISHED BY THE CONTRACTOR SHALL BE AS SHOWN ON DRAWINGS AND ALL PARTS LISTED ON THIS SHEET TO BE PROVIDED BY THE CONTRACTOR. ALL MACHINERY, INCLUDING ALL ACCESSORIES, SHALL BE PROVIDED BY THE CONTRACTOR.
 THE CONTRACTOR SHALL DETERMINE THE FINAL DIMENSIONS OF PARTS INCLUDING COUPLERS, BEARINGS AND THE LIKE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF THE BEARING HOLES IN THE SHAFTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF THE HOLE IN THE NUT AND ONE HEAVY BAR LOCKING NUT ARE SHOWN ON DETAILS.

AS BUILT PLAN

M2

DETAILS OF APRON LIFTING MECHANISM
GRAND RIVER PONTOON BRIDGE
 INTRACOASTAL WATERWAY
 (PIGEON)

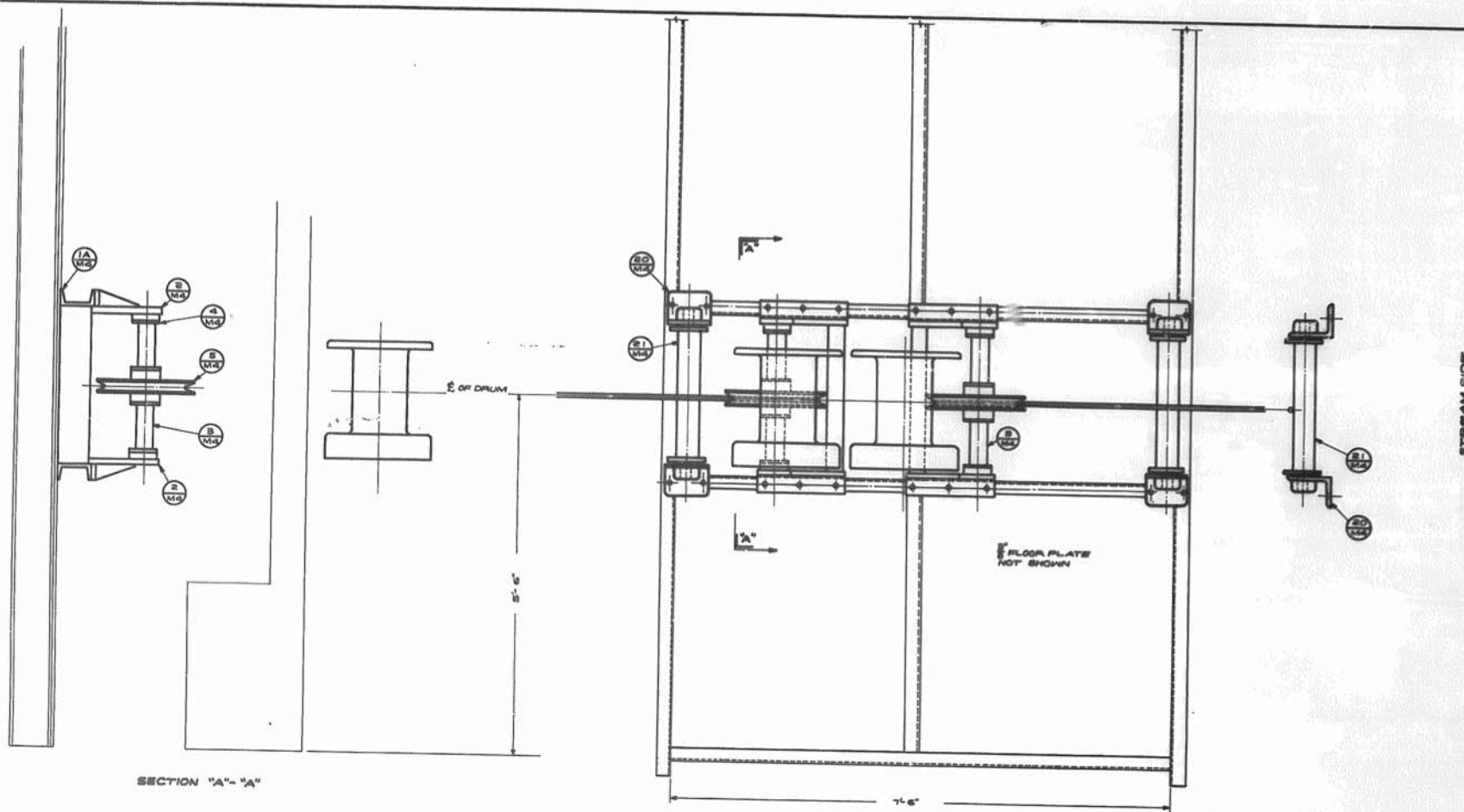
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 STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS
 DESIGN: Brewer
 CHECKED: Kugel
 DATE: 7/27/58
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AS BUILT PLANS

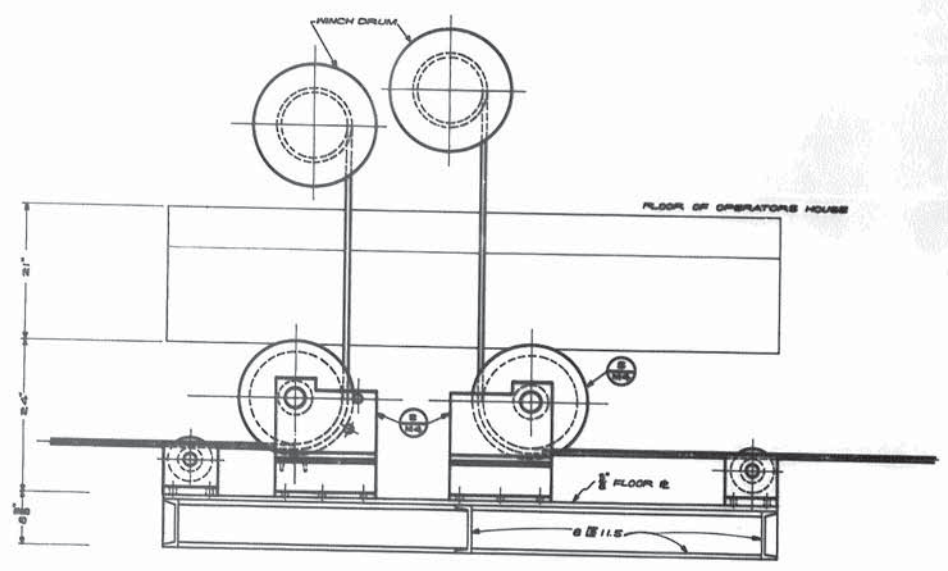


80

STATE PROJECT	PARISH	SHEET NO.
BOSSCOT	IBERVILLE	4830



SECTION "A"-"A"



BILL OF MATERIAL FOR ONE PONTOON BRIDGE

PART	QUAN	DESCRIPTION		
1	4	1/2" DIA. 18" TAKE-UP 8" BY 8" BY 8" (3000 LBS. MIN. BREAK. STRENGTH) TURNBUCKLE - DROP FOR	STEEL	COMM.
2	25	3/8" DIA. ROPE CLIP FOR 1/2" ROPE	STEEL-DROP FOR	COMM.
3	6	3/8" DIA. ROPE CLIP FOR 1/2" ROPE	STEEL-DROP FOR	COMM.
4	24	3/8" DIA. ROPE CLIP FOR 1/2" ROPE	STEEL-DROP FOR	COMM.
5	12	HEAVY DUTY THIMBLE FOR 1/2" ROPE	STEEL-DROP FOR	COMM.
6	2	HEAVY DUTY THIMBLE FOR 1/2" ROPE	STEEL	COMM.
7	8	HEAVY DUTY THIMBLE FOR 1/2" ROPE	STEEL	COMM.
8	2	1/2" DIA. 8 1/2" MIN. FLOW STEEL PIPE ROPE REEL CORE-MIN. BREAK STRENGTH 2000 LBS. FOR APPROX OPERATING CABLE	STEEL	COMM.
9	20	1/2" DIA. 8 1/2" MIN. FLOW STEEL PIPE ROPE REEL CORE-MIN. BREAK STRENGTH 2000 LBS. FOR CO-HESITANT CABLE	STEEL	COMM.
10	8	1 1/2" X 1 1/2" X 1/4" MODIFIED EXTRA HEAVY PATTERN DIAMOND BLOCK FOR 1/2" ROPE CAT # 66-18	STEEL	COMM.
11	2	1/2" DIA. 8 1/2" MIN. FLOW STEEL PIPE ROPE REEL CORE-MIN. BREAK STRENGTH 2000 LBS. FOR APPROX OPERATING CABLE	STEEL	COMM.
12	4	1/2" DIA. 8" BY 8" BY 8" BOLT - 18 THRD WITH 1" WASHER & 2 HEX. NUTS	STEEL	

SEE SHEET # 29 FOR LOCATION OF PART # 10

HOIST UNIT:
 THE APPROVED EQUAL OF SUPERIOR-LOCKWOOD-HANDY CORP., SUPERIOR, MFG. MODEL NO. S-40 DOUBLE DRUM HOIST EQUIPPED WITH LIMIT SWITCHES AND ELECTRICALLY CONTROLLED GEAR MOTOR DRIVE WITH RATIO TO PRODUCE LINE SPEED OF 100 FEET PER MINUTE AT SYNCHRONOUS SPEED OF MOTOR AND WITH 15 HP NEMA DESIGN C (NEW STARTING TORQUE - 150% STARTING CURRENT) 230 VOLTS, 3 PHASE, 60 CYCLES A.C. DRUM PROOF SCROLL CASE MOTOR WITH HEAVY DUTY HOIST UNIT INCLUDING ELECTRICALLY CONTROLLED GEAR MOTOR DRIVE AND ELECTRIC MOTOR TO BE INCLUDED IN ITEM 2-8-1, MOVABLE BRIDGE MACHINERY

NOTES:
 THE CONTRACTOR SHALL DETERMINE THE FINAL DIMENSIONS OF THE HOIST AND OTHER COMMERCIAL PRODUCTS FROM CERTIFIED DIMENSIONS OUTLINES OF THE OPERATING HOUSE AND SHEAVE PLATFORM BELOW THE OPERATING HOUSE. ALL PARTS LISTED ON THIS SHEET TO BE INCLUDED IN ITEM 2-8-1 MOVABLE BRIDGE MACHINERY, INCLUDING ALL NECESSARY BRIMS. ALL BOLTS TO HAVE ONE NUT AND ONE HEAVY SAE LOCKWASHER, UNLESS NOTED, OR OTHER MEANS OF LOCKING NUT ARE SHOWN ON DETAILS.

AS BUILT PLAN

M3

ARRANGEMENT OF FLOATING DEFLECTOR SHEAVE

GRAND RIVER PONTOON BRIDGE INTRACOASTAL WATERWAY (PIGEON)

DATED OCT. 18, 1956

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED *K. H. K.* DETAILED *K. H. K.* TRACED *A. C. B.*
 CHECKED *B. W. B.* CHECKED *B. W. B.* CHECKED *B. W. B.*

BRIDGE DESIGN SECTION

DATE	DESCRIPTION	BY

AS BUILT PLANS

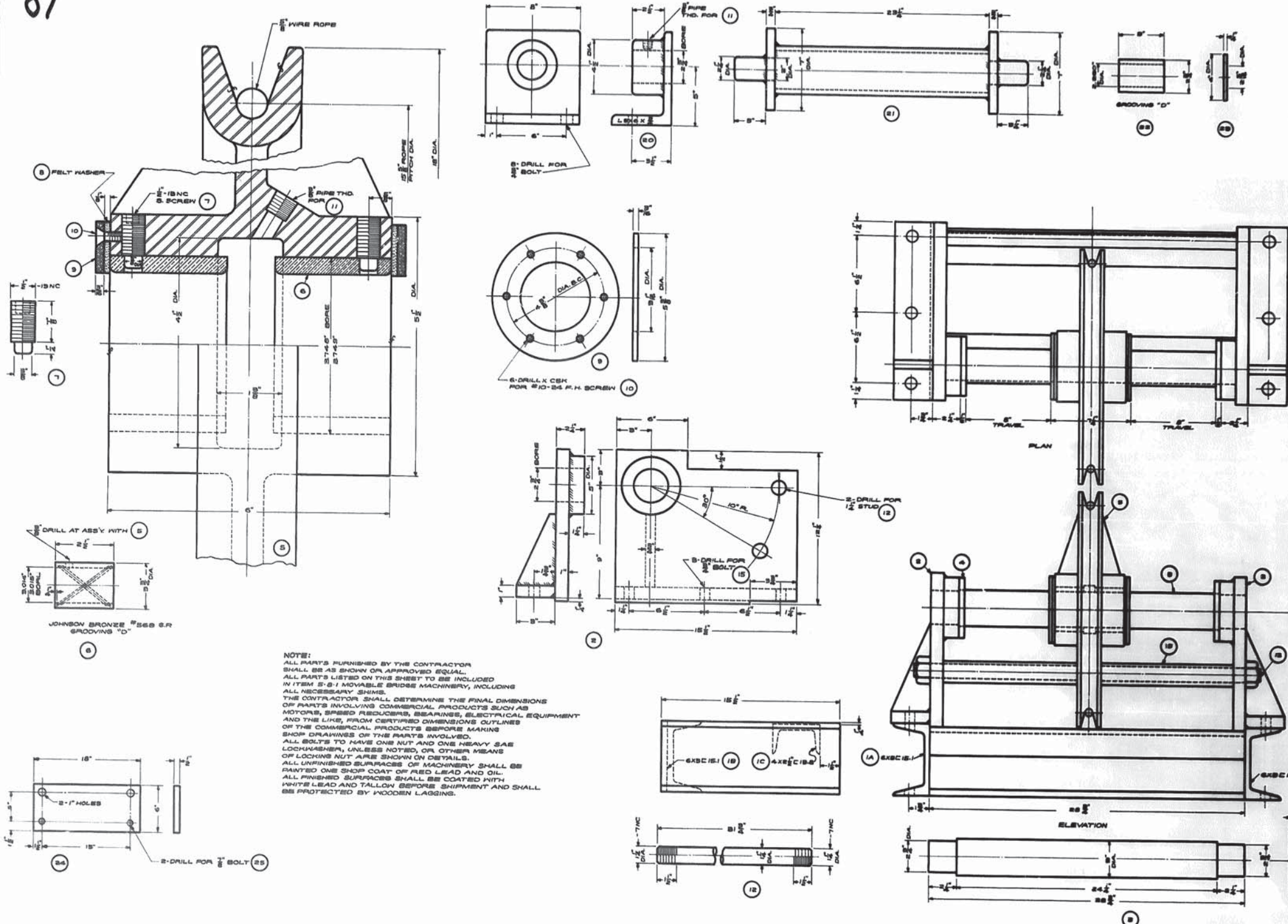


81

STATE OF LOUISIANA
PARISH OF IBERVILLE
SHEET NO. 31

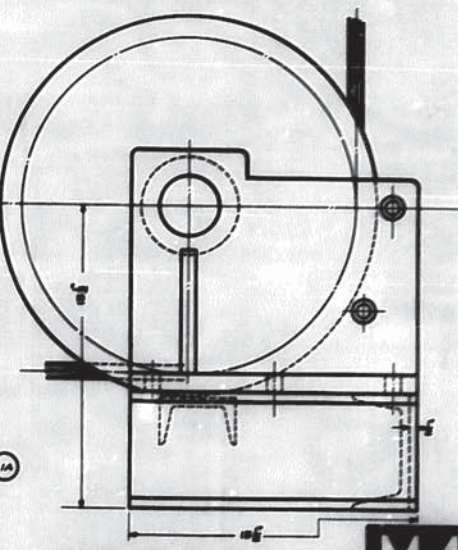
BILL OF MATERIAL FOR ONE SLIDING SHEAVE ASSEMBLY

PART	QUAN.	DESCRIPTION	MATERIAL
1	1	BASE	STEEL WELDM.
1A	2	SAE C 11-18 L6	STEEL
1B	1	SAE C 11-20 L6	STEEL
1C	1	SAE C 11-20 L6	STEEL
2	2	SHAFY SUPPORT	STEEL WELDM.
3	1	SHAFY	STEEL SHAPING
4	2	THRUST COLLAR	BRASS
5	1	SHEAVE	ST. CAST
6	2	SHEAVE	BR. COMM.
7	2	1/2" UNC STD. SCREW	STEEL
8	2	WASHER 5/8" OD-5/8" DIA. HOLE	FELT & THICK
9	2	RETAINER FOR WASHER	BRASS
10	2	10-24 FLAT HEAD SCREW-1/2" L6	STEEL
11	2	SPRINGS CLIP-BOL CAP-CONFR TYPE	COMM.
12	2	1/2" UNC STD. NUT	STEEL
13	4	1/2" UNC STD. NUT	STEEL
14	4	SHAPING LOCKWASHER	COMM.
15	2	1/2" PIPE-24" L6	STEEL
16	2	1/2" UNC HEX. BOLT-2 1/2" L6	STEEL
17	2	1/2" UNC STD. NUT	STEEL
18	2	LEVEL WASHER	COMM.
19	2	SHAPING LOCKWASHER	COMM.
20	2	ROLLER SUPPORT	STEEL WELDM.
21	1	ROLLER	STEEL WELDM.
22	2	SHEAVE	BR. COMM.
23	2	THRUST WASHER	BRASS
24	4	CO-NUTS SLIDE	STEEL
25	2	1/2" UNC HEX. HD. C. SCREW-1 1/2" L6	STEEL



NOTE:
 ALL PARTS FURNISHED BY THE CONTRACTOR SHALL BE AS SHOWN OR APPROVED EQUAL.
 ALL PARTS LISTED ON THIS SHEET TO BE INCLUDED IN ITEM 2-8-1 MOVABLE BRIDGE MACHINERY, INCLUDING ALL NECESSARY SHIMS.
 THE CONTRACTOR SHALL DETERMINE THE FINAL DIMENSIONS OF PARTS INVOLVING COMMERCIAL PRODUCTS SUCH AS MOTORS, SPEED REDUCERS, BEARINGS, ELECTRICAL EQUIPMENT AND THE LIKE, FROM CERTIFIED DIMENSIONS OUTLINES OF THE COMMERCIAL PRODUCTS BEFORE MAKING SHOP DRAWINGS OF THE PARTS INVOLVED.
 ALL BOLTS TO HAVE ONE NUT AND ONE HEAVY SAE LOCKWASHER, UNLESS NOTED, OR OTHER MEANS OF LOCKING NUT ARE SHOWN ON DETAILS.
 ALL UNFINISHED SURFACES OF MACHINERY SHALL BE PAINTED ONE SHOP COAT OF RED LEAD AND OIL.
 ALL FINISHED SURFACES SHALL BE COATED WITH WHITE LEAD AND TALLOW BEFORE SHIPMENT AND SHALL BE PROTECTED BY WOODEN LAGGING.

AS BUILT PLAN



GRAND RIVER PONTOON BRIDGE INTRACOASTAL WATERWAY (PIGEON)

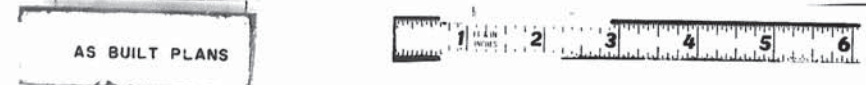
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STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

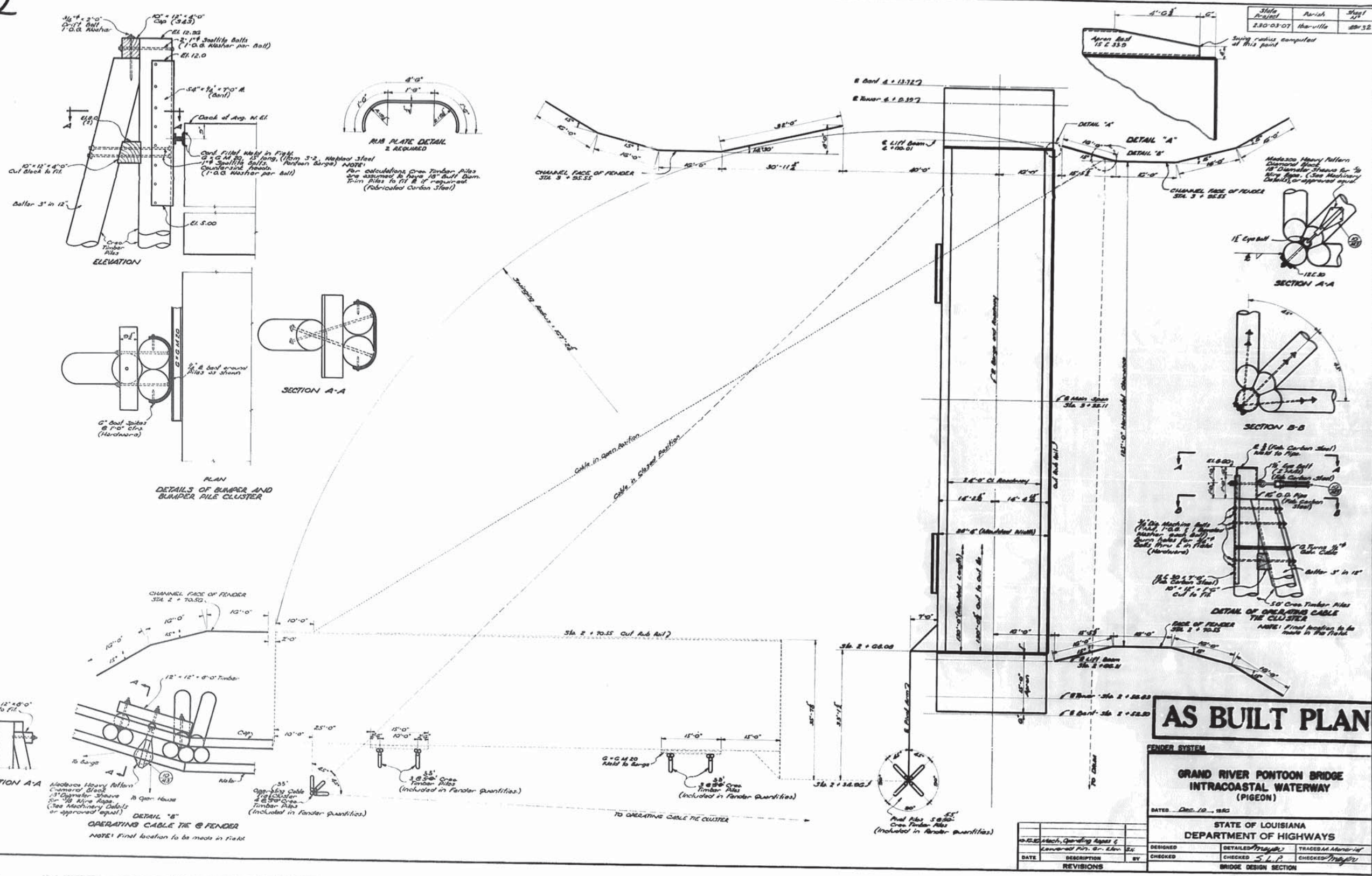
DESIGNED	KUHL	DETAILED	KUHL	TRACED	A. Johnson
CHECKED		CHECKED		CHECKED	KUHL

BRIDGE DESIGN SECTION

NO.	REVISIONS	DATE	DESCRIPTION	BY
1	AS-BUILT			



82



AS BUILT PLAN

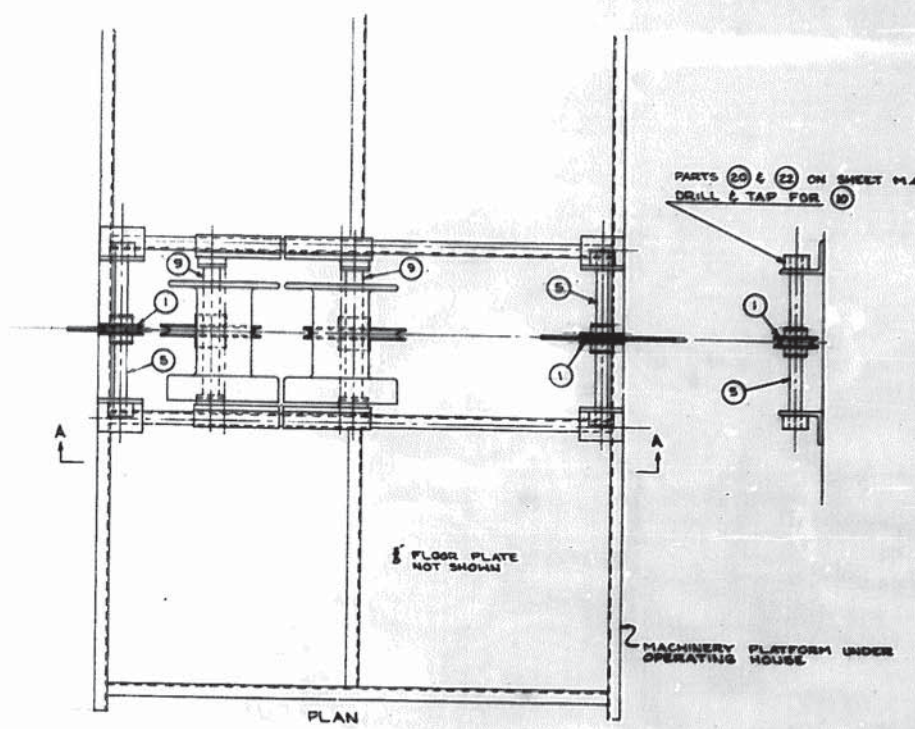
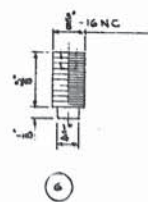
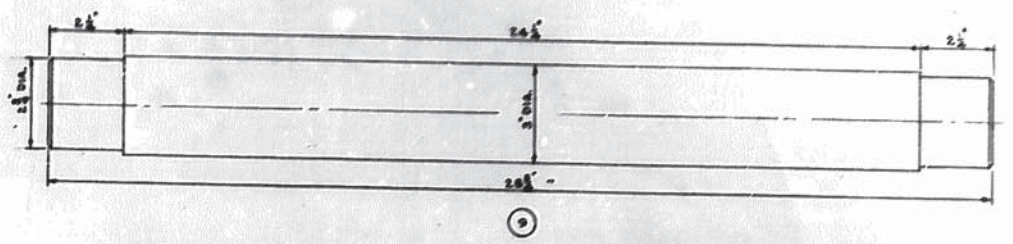
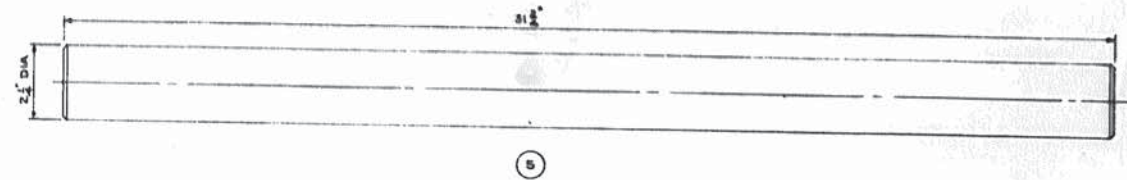
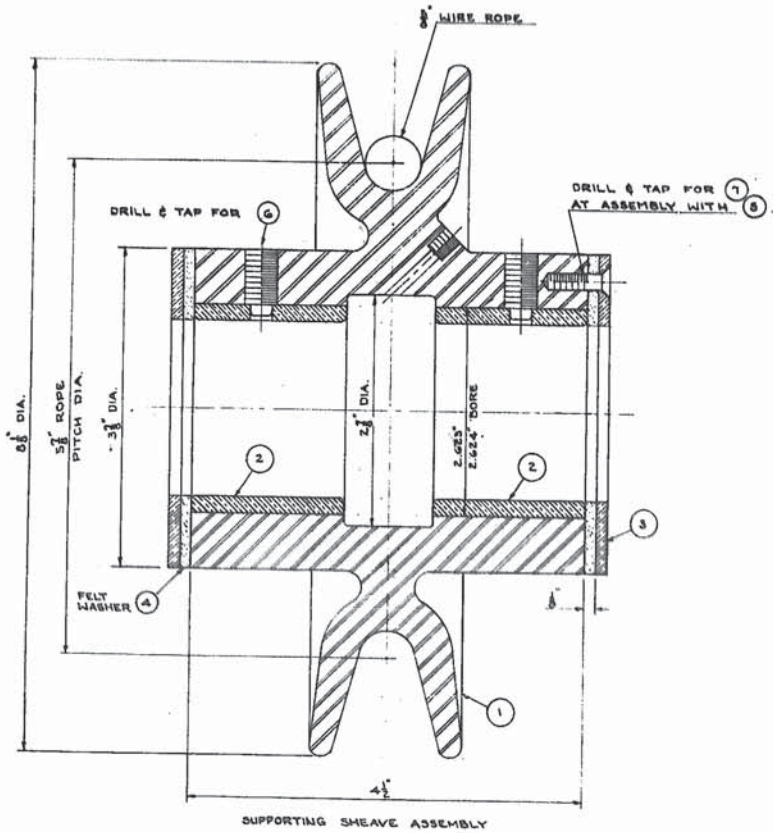
GRAND RIVER PONTOON BRIDGE INTRACOASTAL WATERWAY (PIGEON)			
BUILT - Dec. 10, 1963			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED CHECKED REVISIONS	DETAILED CHECKED BRIDGE DESIGN SECTION	TRACED CHECKED	APPROVED CHECKED

AS BUILT PLANS



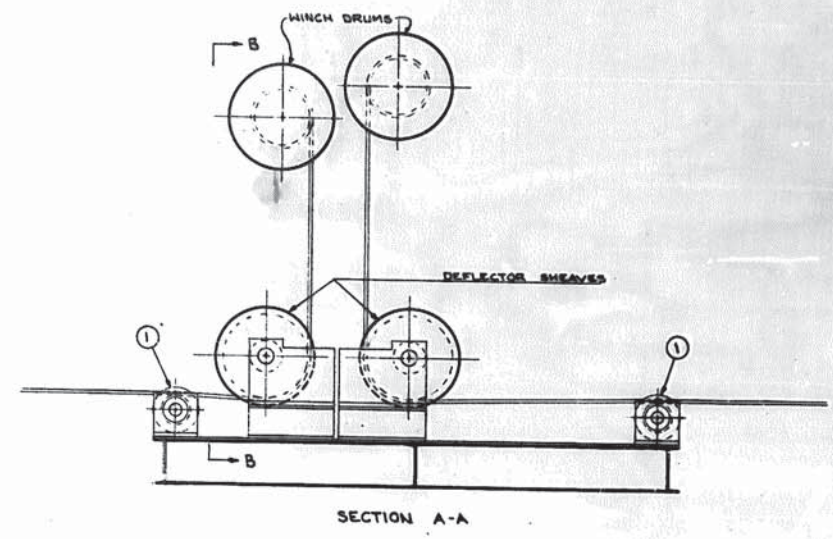
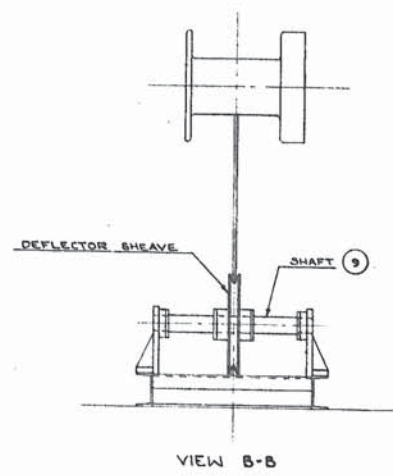
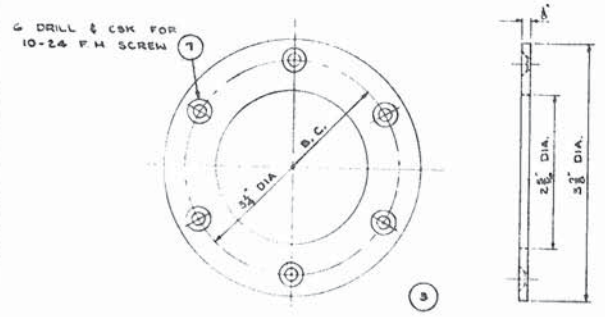
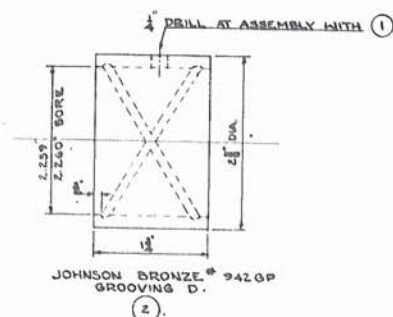
86

Sheet No.	Part No.	Sheet No.
230-05-01	Iberville	5-1



PART	QUANT	DESCRIPTION	MATERIAL
1	1	SHEAVE	STEEL CAST OR WELDM.
2	2	BUSHING	BRONZE COMM.
3	2	RETAINER FOR FELT WASHER	BRASS
4	2	WASHER - 3/8\"/>	
5	1	SHAFT	MONEL OR STAINLESS ST.
6	2	1/2\"/>	
7	12	10-24NC FLAT HEAD SCREW - 1/2\"/>	
8	1	ALUMITE HYDRAULIC FITTING #1607	COMM.
9	1	SHAFT FOR FLOATING DEFLECTOR SHEAVE	MONEL OR STAINLESS ST.
10	2	1/2\"/>	

NOTE:
 SHEAVE (1) & SHAFT (5) REPLACE ROLLER (21) ON SHEET M-4
 SHAFT (9) REPLACES SHAFT (8) ON SHEET M-4



AS BUILT PLAN

DETAILS AND ASSEMBLY OF FLOATING SUPPORTING SHEAVE

GRAND RIVER PONTOON BRIDGE
 INTRACOASTAL WATERWAY
 (PIGEON)

DATE: May 24, 1951

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED	BY	TRACED
CHECKED	BY	CHECKED
REVISIONS	BY	BRIDGE DESIGN SECTION

AS BUILT PLANS





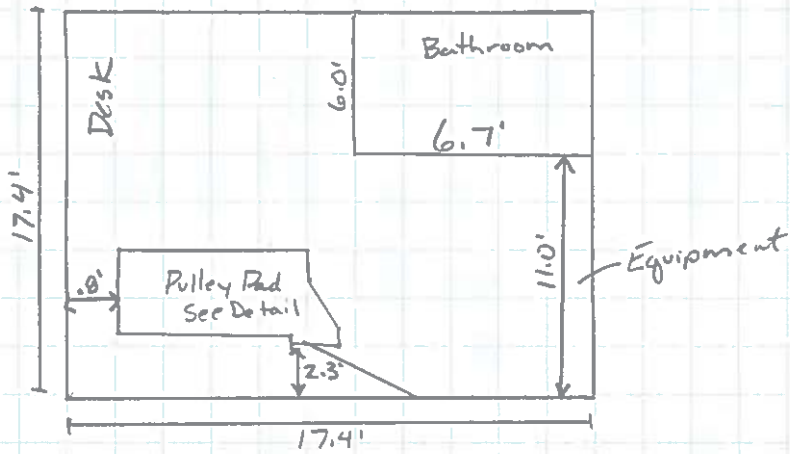
Job No. _____ Sheet _____ of _____

Job Name 054480

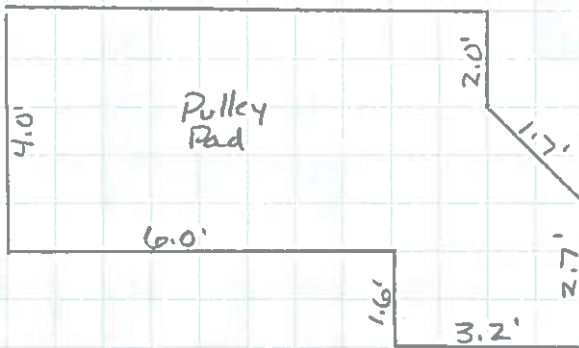
Task New Guard Shack Inside

Calculated by _____ Date _____

Checked by _____ Date _____



Detail





Job No. _____ Sheet _____ of _____

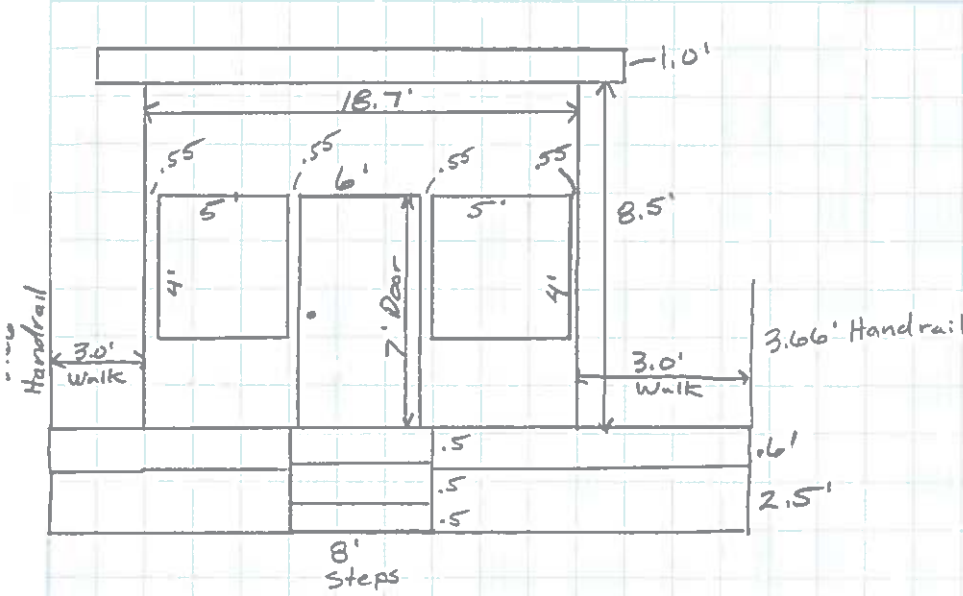
Job Name 054480

Task New Operator Shack

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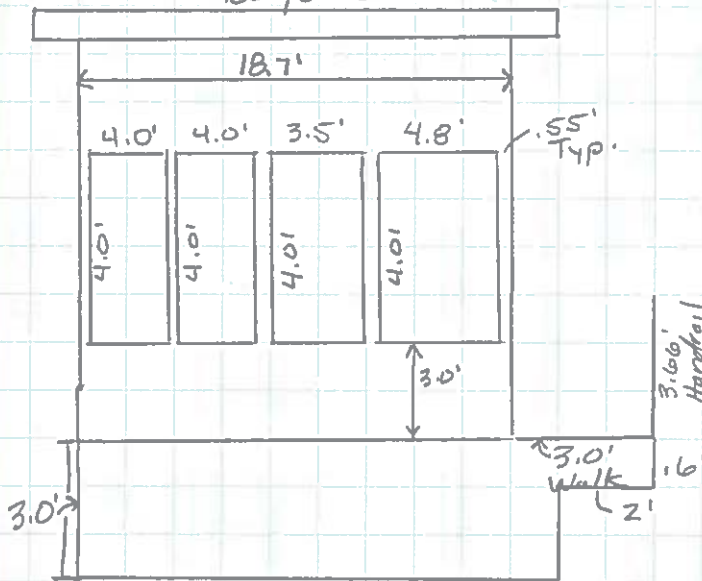
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Front Elevation

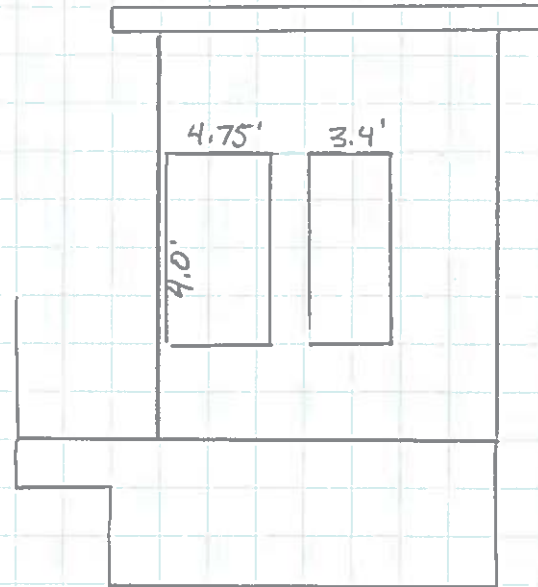


* Replaced
10yrs ago +/-
per Operator

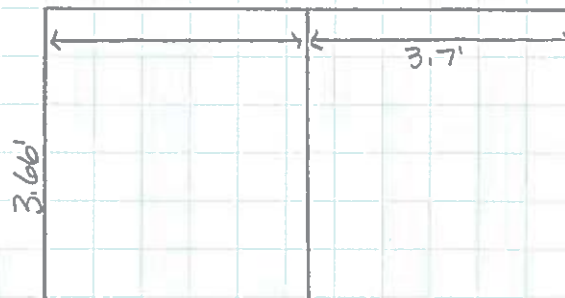
Bayou Side



Road Side



Handrail





Job No. _____ Sheet _____ of _____

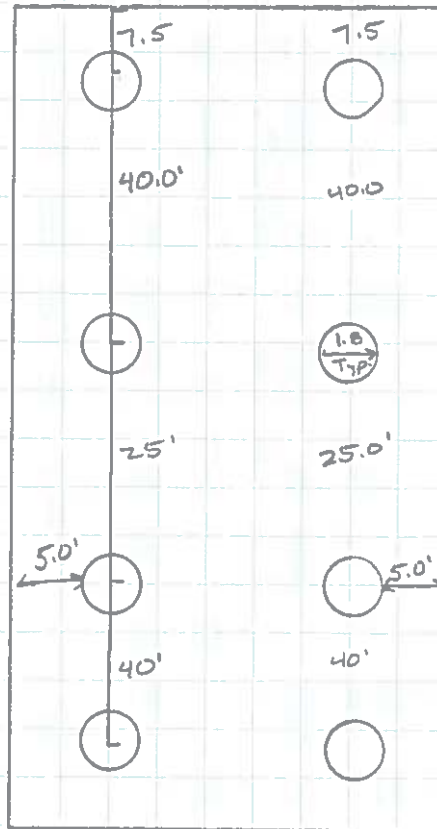
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Task Manhole Location Detail

Calculated by _____ Date _____

Checked by _____ Date _____

Guard Shack





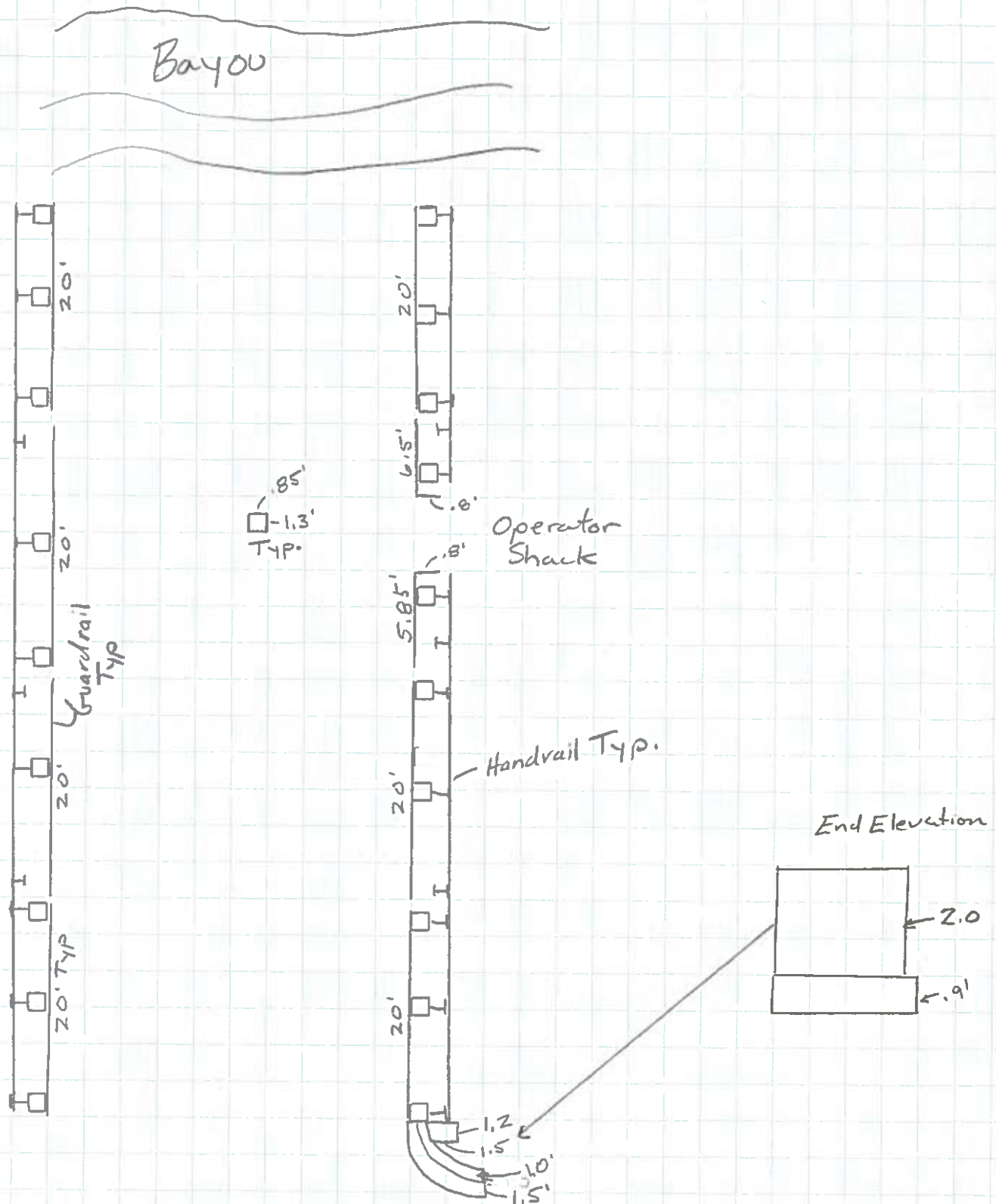
Job No. _____ Sheet _____ of _____

Job Name 054480

Task Railing Detail

Calculated by _____ Date _____

Checked by _____ Date _____





Job No. _____ Sheet _____ of _____

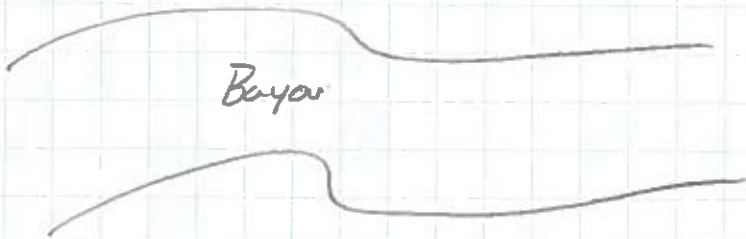
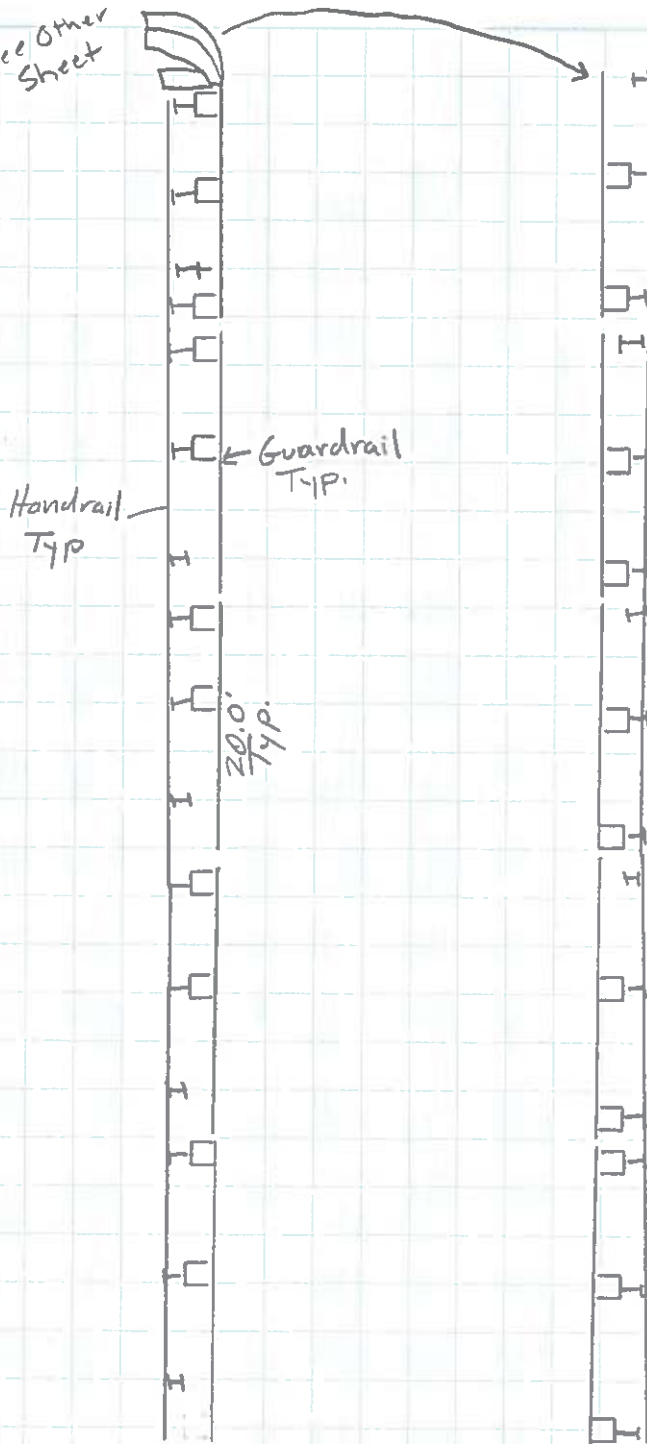
Job Name 054480

Task Railing Detail

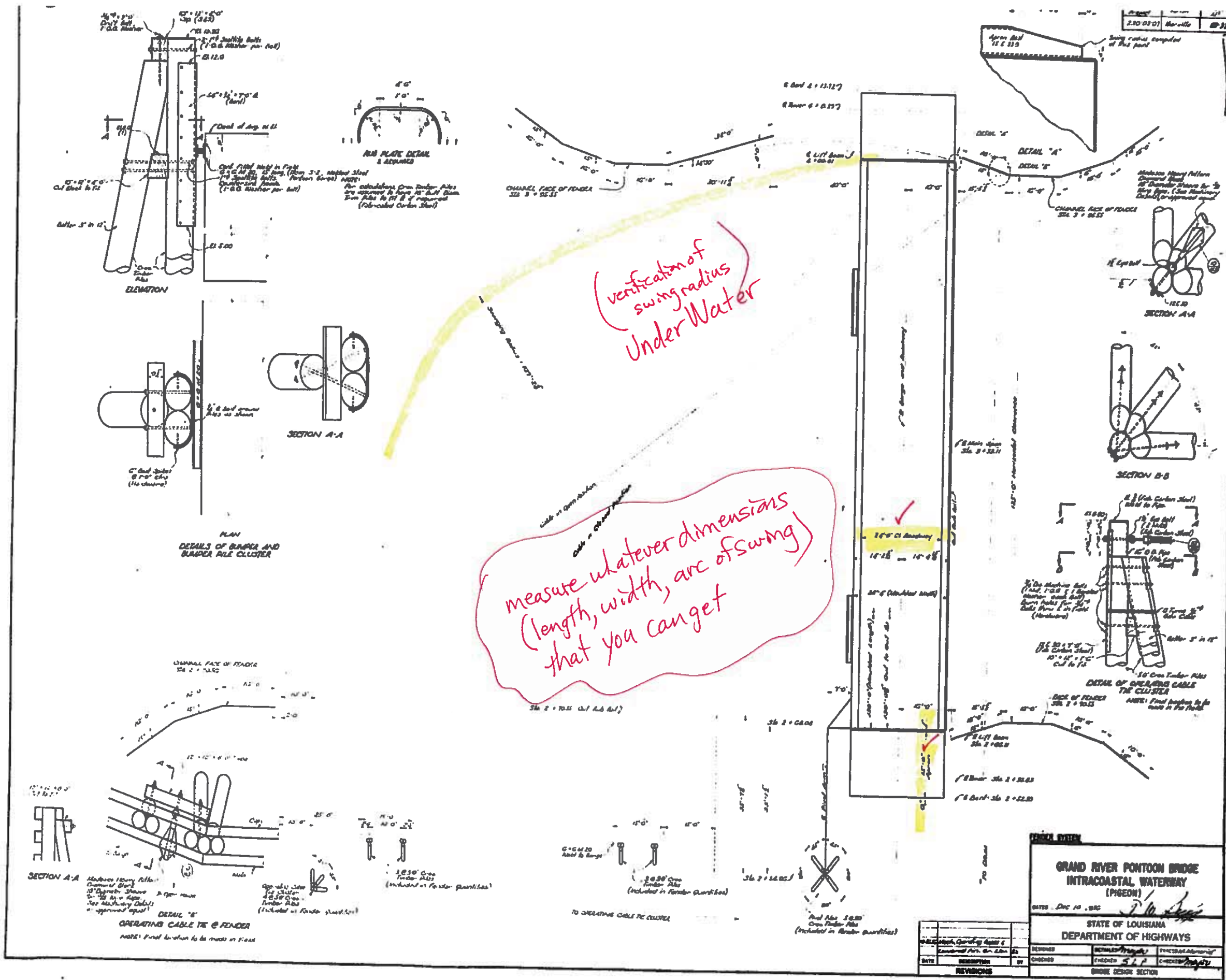
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Checked by _____ Date _____

See Other Sheet



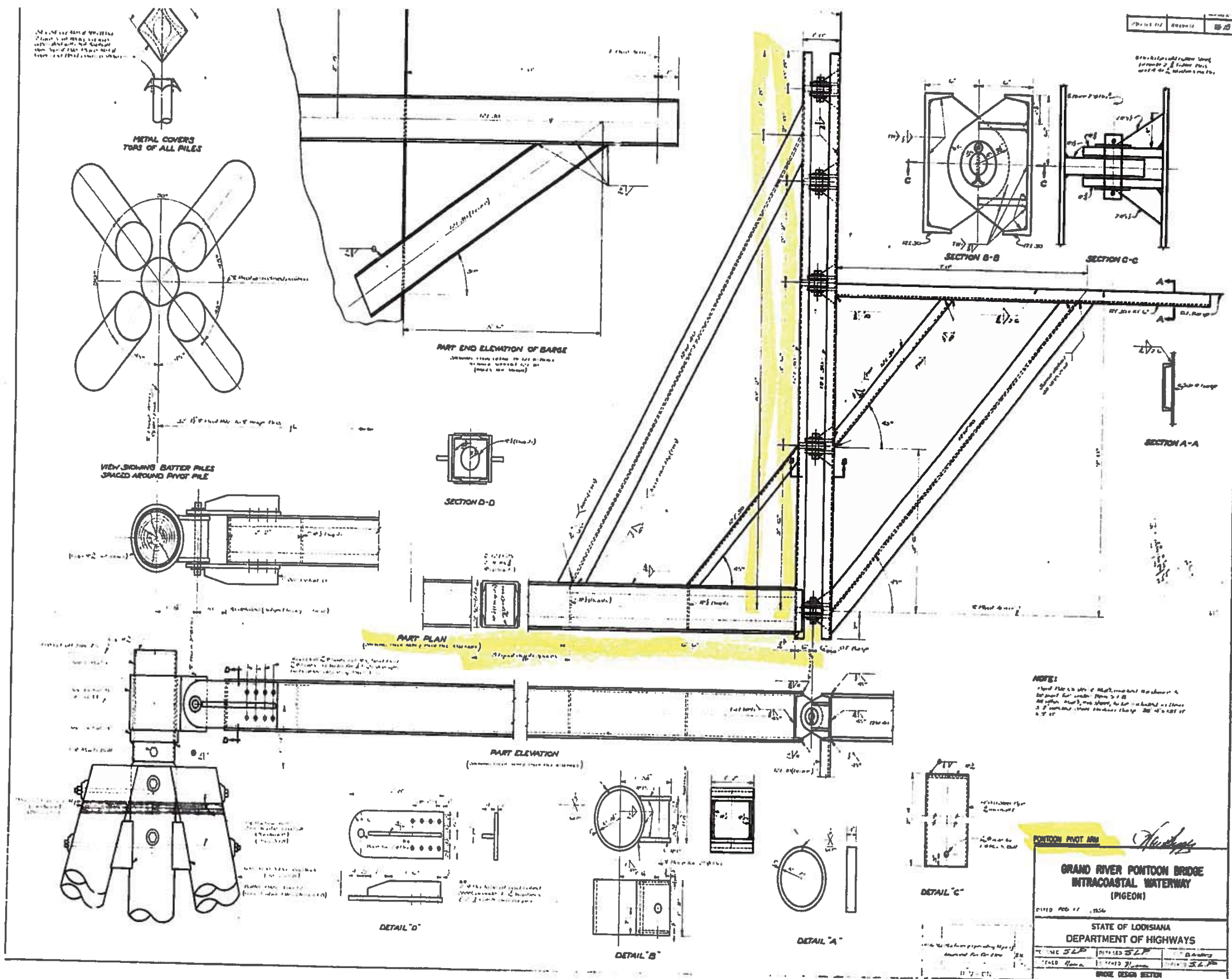
05480
Sheet 6 of 4



(verification of swing radius Under Water)

measure whatever dimensions (length, width, arc of swing) that you can get

<p>GRAND RIVER PONTOON BRIDGE INTRACOASTAL WATERWAY (PIGEON)</p>			
<p>DATE: Dec 10, 1955</p>			
<p>STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS</p>			
<p>DESIGNED BY</p>	<p>CHECKED BY</p>	<p>APPROVED BY</p>	<p>DATE</p>
<p>REVISIONS</p>	<p>NO.</p>	<p>DESCRIPTION</p>	<p>BY</p>



054480
Sheet 9 of 14

CONTOUR PHOTO

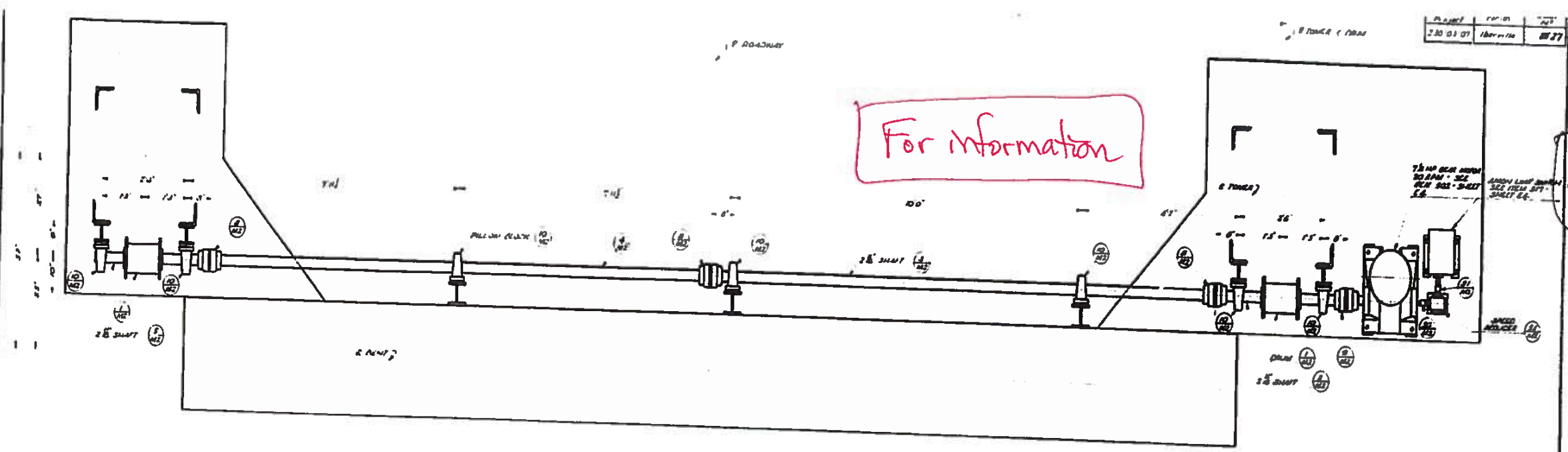
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**GRAND RIVER PONTOON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)**

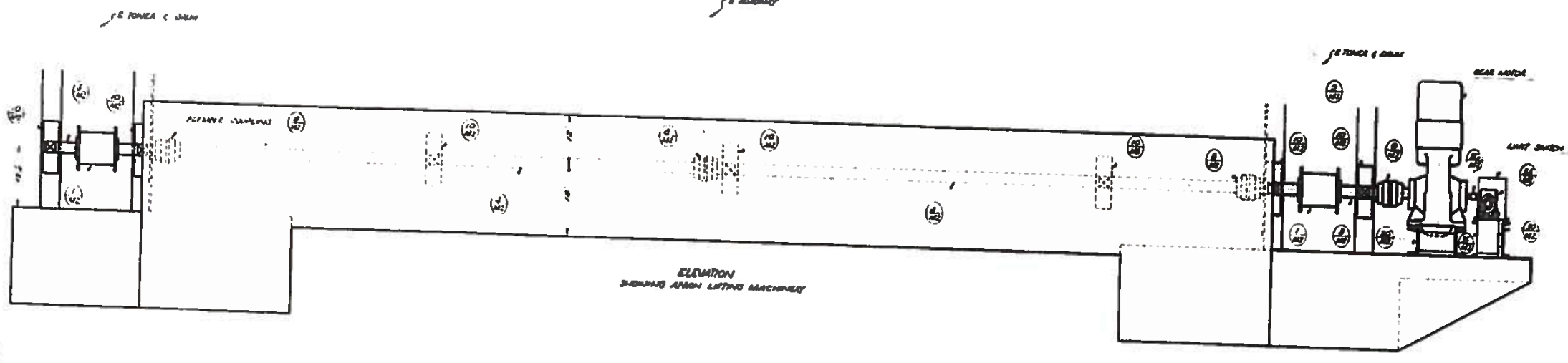
STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED BY	DRAWN BY	CHECKED BY
DATE	DATE	DATE

BRIDGE DESIGN SECTION



PLAN
SHANNON ARCH LIFTING MACHINERY



ELEVATION
SHANNON ARCH LIFTING MACHINERY

REMARKS NOTE:
 ALL UNFINISHED SURFACES OF CASTINGS SHALL BE
 PAINTED AND SHIP SURF SHALL BE POLISHED AND
 ALL FINISHED SURFACES SHALL BE FINISHED WITH
 AN OIL RESISTANT PAINT. ALL PAINT SHALL BE
 APPLIED IN ACCORDANCE WITH THE
 SPECIFICATIONS OF THE CONTRACT.

LUBRICATION NOTE:
 ALL FITS OTHERWISE SHOWN ON THESE DRAWINGS
 SHALL BE AS FOLLOWS: ALL UNFINISHED SURFACES
 SHALL BE OILED. ALL FINISHED SURFACES SHALL
 BE OILED WITH AN OIL RESISTANT PAINT. ALL
 FITS SHALL BE OILED WITH AN OIL RESISTANT
 PAINT. ALL FITS SHALL BE OILED WITH AN OIL
 RESISTANT PAINT.

THICKNESS	1/8"	1/4"	3/8"	1/2"
1/8"	2	2	2	2
1/4"	4	2	2	2
3/8"	6	2	2	2

054480
 Sheet 10 of 14

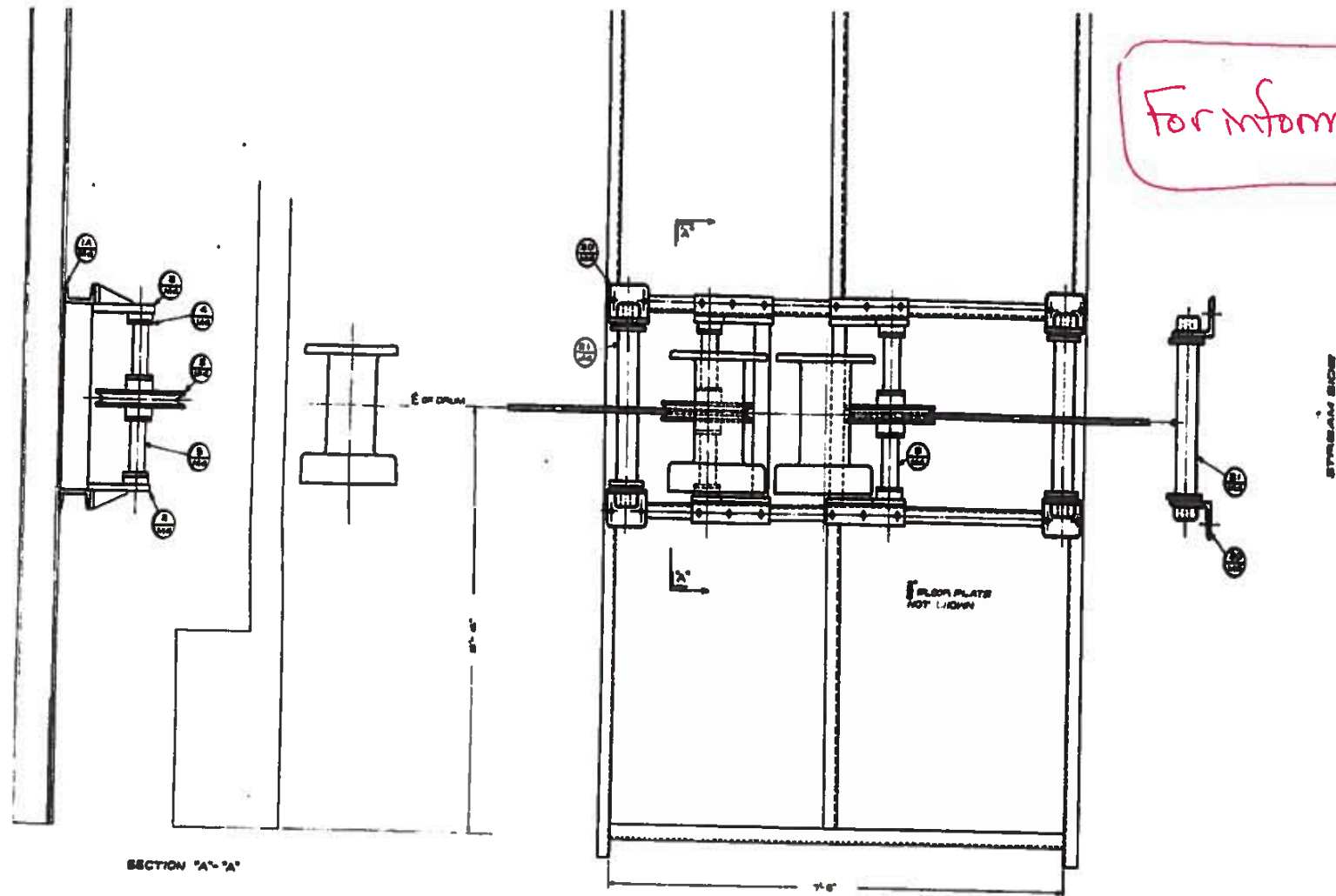
STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

GRAND RIVER PONTOON BRIDGE
 INTRACOASTAL WATERWAY
 (PIGEON)

DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 DATE: [Date]

DATE	DESCRIPTION	BY
REVISIONS		

For information



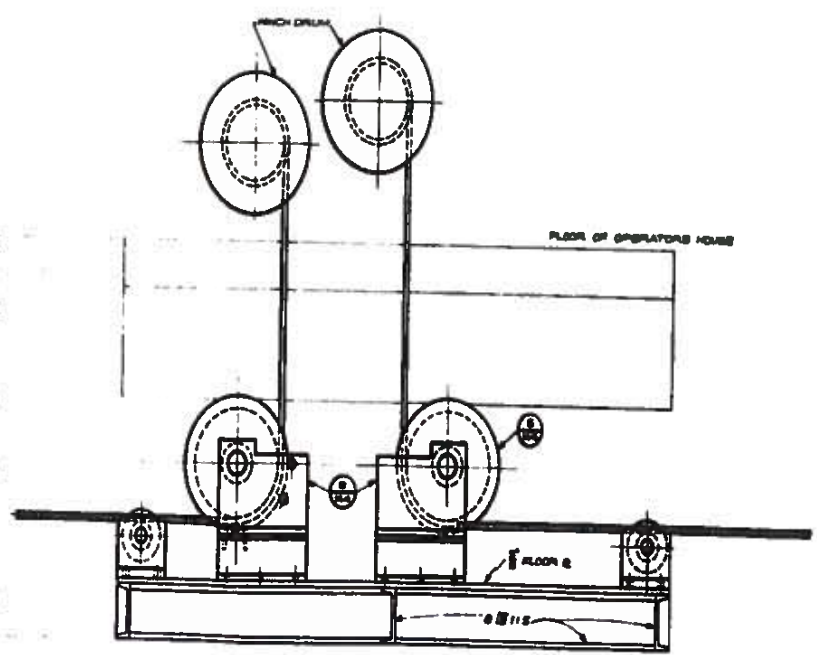
ITEM	QTY	DESCRIPTION	UNIT	REMARKS
1	4	3/4" DIA. 1/2" THICK STEEL RIVETS WOOD LEG AND SPEAK. STEEL TURNBUCKLES - EACH PAIR	STEEL	CONG.
2	24	1/2" DIA. 1/2" THICK STEEL RIVETS	STEEL	CONG.
3	6	1/2" DIA. 1/2" THICK STEEL RIVETS	STEEL	CONG.
4	24	1/2" DIA. 1/2" THICK STEEL RIVETS	STEEL	CONG.
5	12	HEAVY DUTY THUMB SCREW FOR ROPES	STEEL	CONG.
6	2	HEAVY DUTY THUMB SCREW FOR ROPES	STEEL	CONG.
7	8	HEAVY DUTY THUMB SCREW FOR ROPES	STEEL	CONG.
8	2	1/2" DIA. 1/2" THICK STEEL RIVETS ROPE RINGS 20#-40# STEEL RINGS WOOD LEG FOR ANCHOR STRAPING CABLE	STEEL	CONG.
9	2	1/2" DIA. 1/2" THICK STEEL RIVETS ROPE RINGS 20#-40# STEEL RINGS WOOD LEG FOR ANCHOR STRAPING CABLE	STEEL	CONG.
10	2	1/2" DIA. 1/2" THICK STEEL RIVETS ROPE RINGS 20#-40# STEEL RINGS WOOD LEG FOR ANCHOR STRAPING CABLE	STEEL	CONG.
11	2	1/2" DIA. 1/2" THICK STEEL RIVETS ROPE RINGS 20#-40# STEEL RINGS WOOD LEG FOR ANCHOR STRAPING CABLE	STEEL	CONG.
12	4	1/2" DIA. 1/2" THICK STEEL RIVETS ROPE RINGS 20#-40# STEEL RINGS WOOD LEG FOR ANCHOR STRAPING CABLE	STEEL	CONG.

054480
Sheet 11 of 14

REMARKS: SEE FOR LOCATION OF PART #10

HOIST UNIT:
THE APPROVED MODEL OF SUPERIOR-LOUISIANA-MADE CORN, BURNER, INC. MODEL NO. 240 DOUBLE DRUM HOIST EQUIPPED WITH LAMP-BELT OR 80 ELECTROPLATED CHARACTER DRIVE WITH SYNCHRONOUS SPEED OF MOTOR AND WITH 15 HP 115V 60 HZ 3 PHASE, 60 CYCLES A.C. DRIVE MOTOR EQUIPPED. CASE MOTOR PROTECTIVE LABELING CLASS E OR GENERAL ELECTRIC TYPE NO. COMPLETE HOIST UNIT INCLUDES ELECTROPLATED CHARACTER DRIVE AND ELECTRIC MOTOR TO BE INCLUDED IN ITEM 8-1, MOVABLE BRIDGE MACHINERY.

NOTE:
THE CONTRACTOR SHALL DETERMINE THE FULL DIMENSIONS OF THE HOIST AND OTHER MECHANICAL PRODUCTS FROM SUPPLIER DIMENSIONS OUTSIDE OF THE OPERATING HOUSING AND DIMENSIONS SHOWN IN THE OPERATING HOUSING. ALL PARTS LISTED ON THIS SHEET TO BE INCLUDED IN ITEM 8-1 MOVABLE BRIDGE MACHINERY, INCLUDING ALL NECESSARY BOLTS.
ALL BOLTS TO HAVE ONE NUT AND ONE HEAVY END LOCKWASHER, BOLTS NOTED OR OTHER KINDS OF LOCKING NUTS ARE SHOWN ON DETAILS.



ARRANGEMENT OF FLOATING DEFLECTOR BEAMS

M 3

GRAND RIVER PONTOON BRIDGE
INTRACOASTAL WATERWAY
(PIGEON)

DATE: OCT. 10, 1958

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED: *K. J. Kelly* CHECKED: *C. J. Kelly* TRACED: *C. J. Kelly*
 CHECKED: *C. J. Kelly* CORRECTED: *C. J. Kelly* CHECKED: *C. J. Kelly*

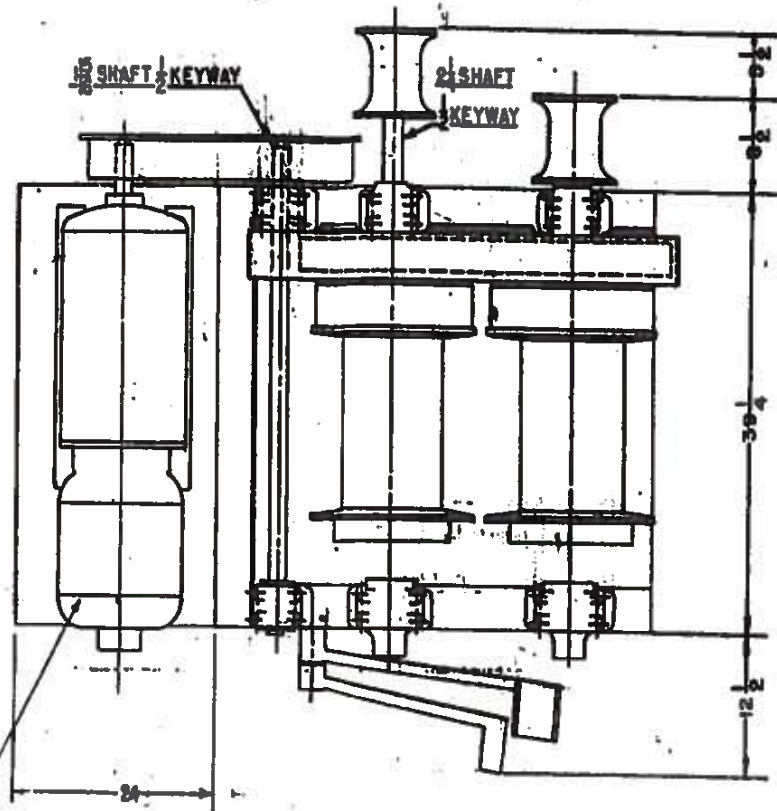
BRIDGE DESIGN SECTION

DATE	DESCRIPTION	BY

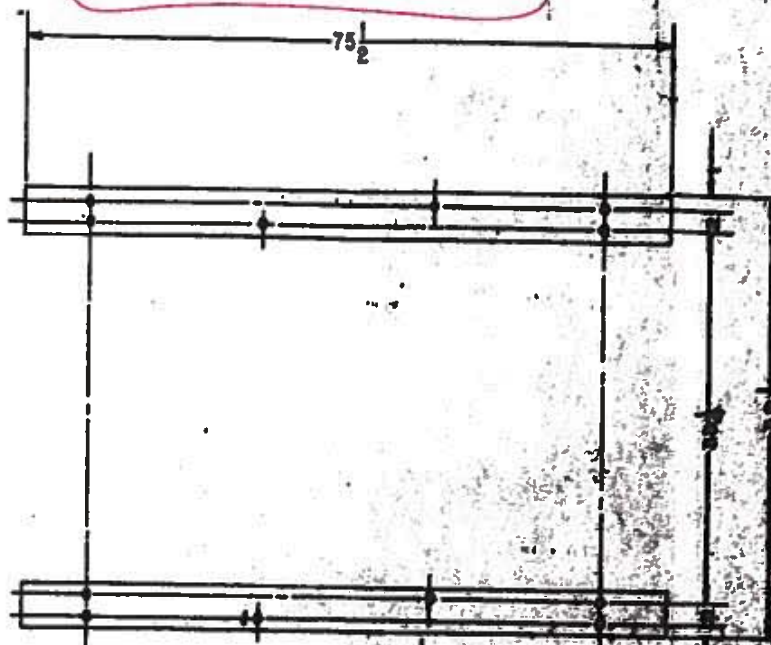
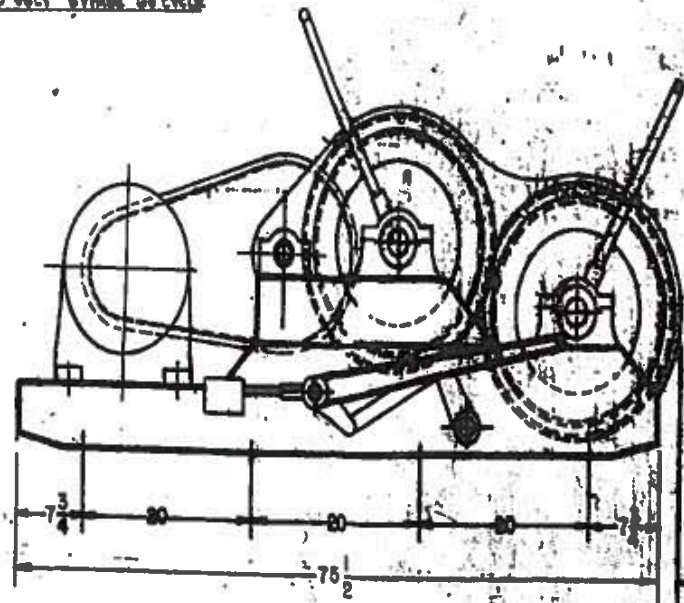
054480
Sheet 12 of 14

For information

89

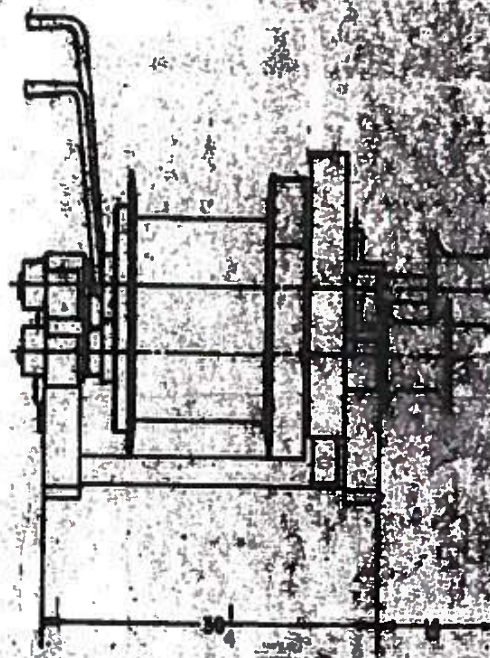


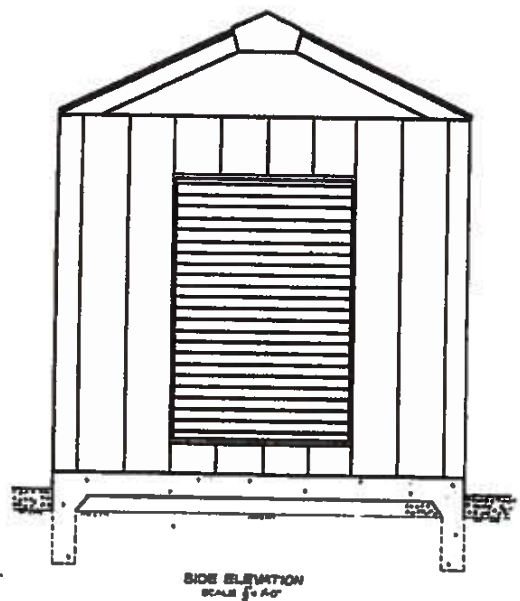
LINK-BELT MODEL BG-40 ELECTROFLUID
 GRAB MOTOR DRIVE WITH (BIPOLAR FRAME 100V)
 1750 RPM 220 VOLT 3 PHASE 60 CYCLE
 D.C. MOTOR



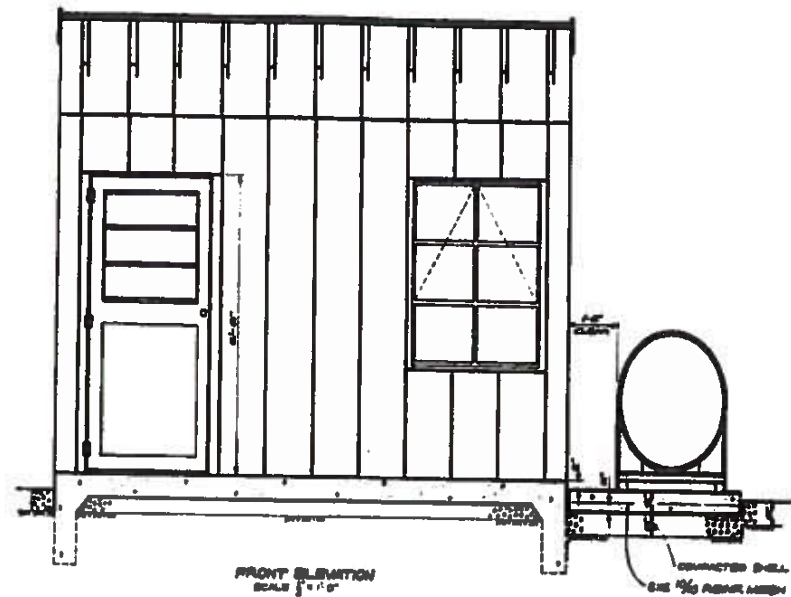
LINK-BELT MODEL BG-40 ELECTROFLUID
 GRAB MOTOR DRIVE WITH (BIPOLAR FRAME 100V)
 1750 RPM 220 VOLT 3 PHASE 60 CYCLE
 D.C. MOTOR

Shop No. 220-4357
 Link-Belt Parts

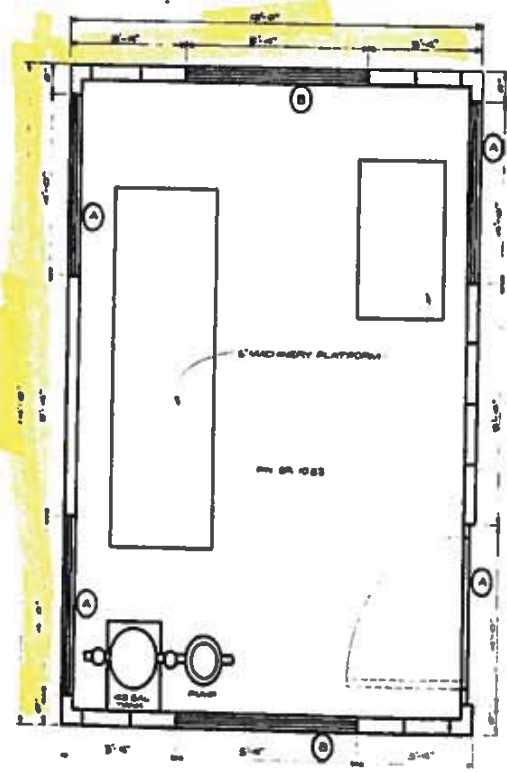




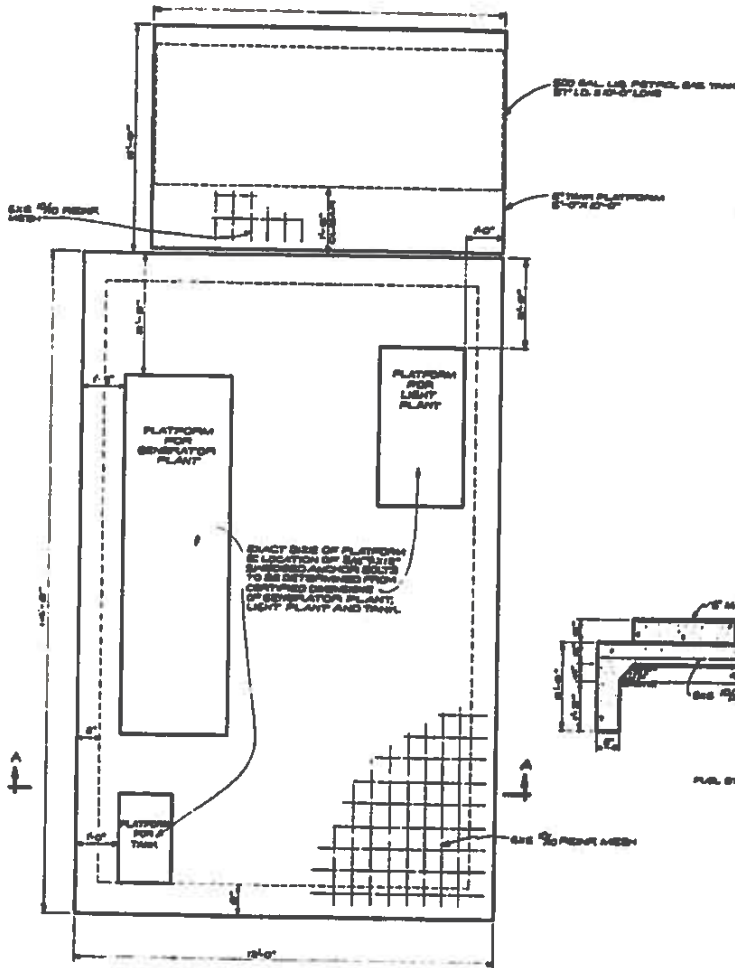
SIDE ELEVATION
SCALE 1/4" = 1'-0"



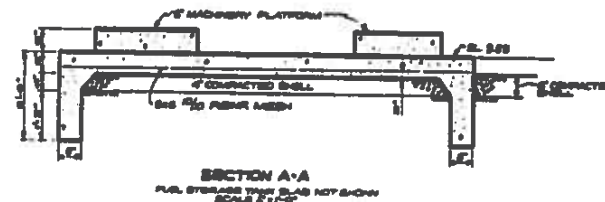
FRONT ELEVATION
SCALE 1/4" = 1'-0"



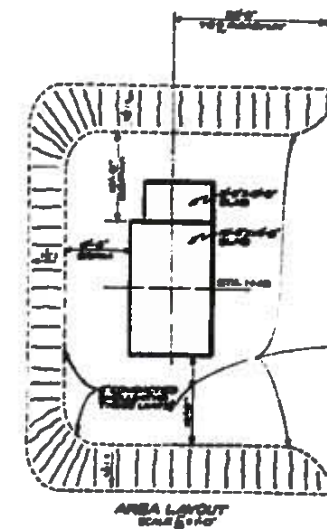
FLOOR PLAN
SCALE 1/4" = 1'-0"



FOUNDATION PLAN
SCALE 1/4" = 1'-0"



SECTION A-A
P.L. STORAGE TRAIL IS NOT SHOWN
SCALE 1/4" = 1'-0"



AREA LAYOUT
SCALE 1/4" = 1'-0"

GENERAL NOTES:
FOUNDATIONS:
 FOUNDATIONS SHALL BE CONSTRUCTED ACCORDING TO THE SPECIFICATIONS AND SHALL BE SUBJECT TO THE APPROVAL OF THE DISTRICT ENGINEER.
ROOFING:
 THE ROOF SHALL BE CONSTRUCTED WITH 1/2" THICK CORRUGATED GALVANIZED IRON SHEETING OVER 1" X 4" JOISTS SPACED AT 24" ON CENTER. THE ROOF SHALL BE FINISHED WITH 1/2" THICK ASPHALT/FLY ASH FLOORING.
FRAMING:
 ALL FRAMING SHALL BE CONSTRUCTED WITH 2" X 4" LUMBER. THE WALLS SHALL BE FINISHED WITH 1/2" THICK GYPSUM BOARD OVER 1" X 4" STUDS SPACED AT 16" ON CENTER. THE FLOOR SHALL BE FINISHED WITH 1/2" THICK GYPSUM BOARD OVER 1" X 4" JOISTS SPACED AT 24" ON CENTER.
PAINTING:
 ALL EXTERIOR SURFACES SHALL BE PAINTED WITH ANTI-RUST PRIMER AND FINISHED WITH A QUALITY EXTERIOR PAINT. THE INTERIOR SURFACES SHALL BE PAINTED WITH A QUALITY INTERIOR PAINT.
ELECTRICAL:
 ALL ELECTRICAL WORK SHALL BE INSTALLED ACCORDING TO THE NATIONAL ELECTRICAL CODE (NEC) AND THE LOCAL CODES. THE ELECTRICAL SYSTEM SHALL BE INSTALLED BY A LICENSED ELECTRICIAN.
GAS:
 INSTALL A GAS SHUT-OFF VALVE AND GAS DETECTOR. THE GAS DETECTOR SHALL BE INSTALLED IN THE ROOM AND SHALL BE CONNECTED TO A BELL AND WHISTLE.
ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE APPROVED BY THE DISTRICT ENGINEER.

054480
 Sheet 14 of 14

MACHINERY HOUSE

GRAND RIVER PONTOON BRIDGE
 INTRACOASTAL WATERWAY
 (PIGEON)

DATE: FEB. 2, 1968

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED BY	CHECKED BY	DATE
DRAWN BY	CHECKED BY	DATE
REVISIONS		

BRIDGE DESIGN SECTION