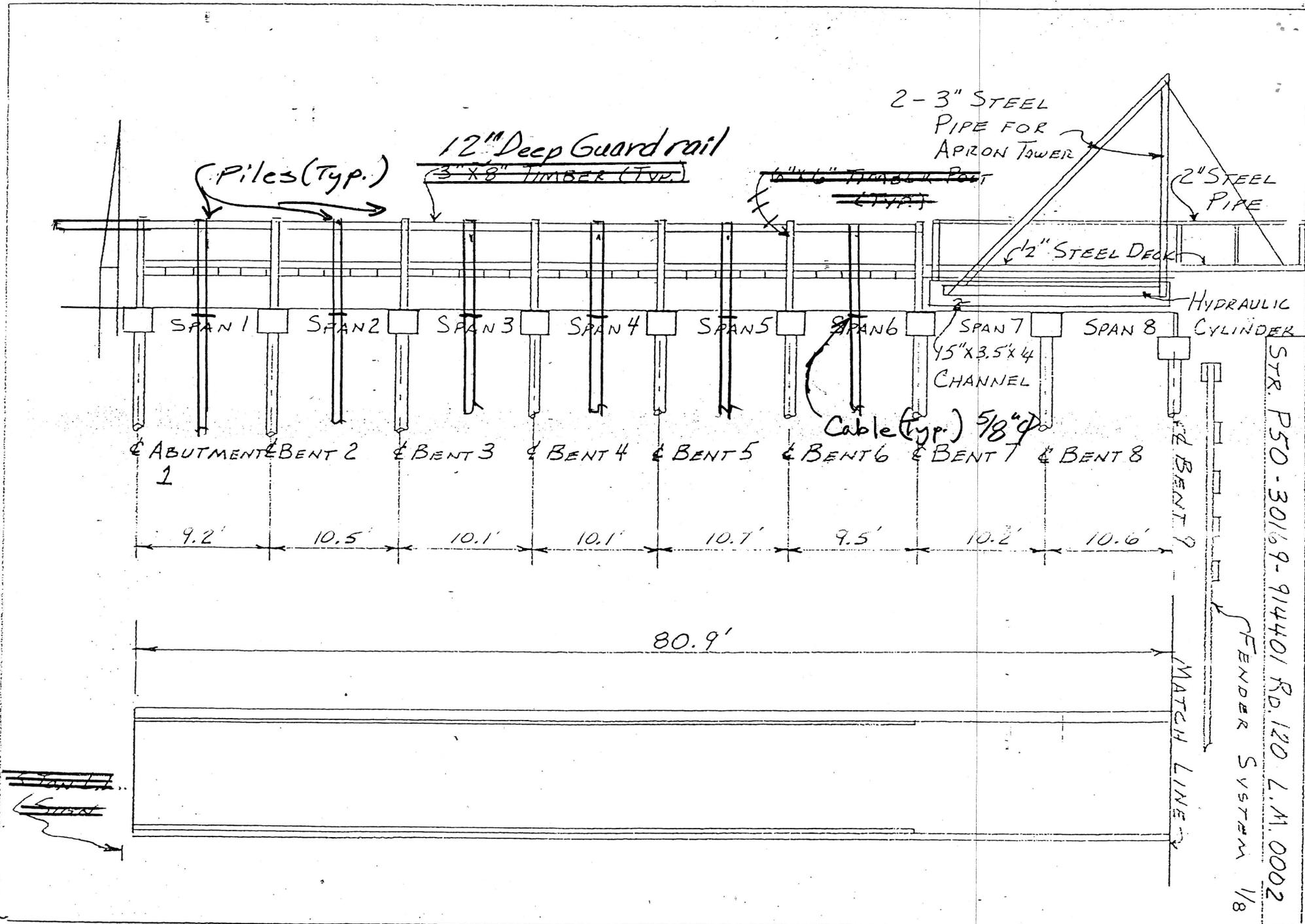
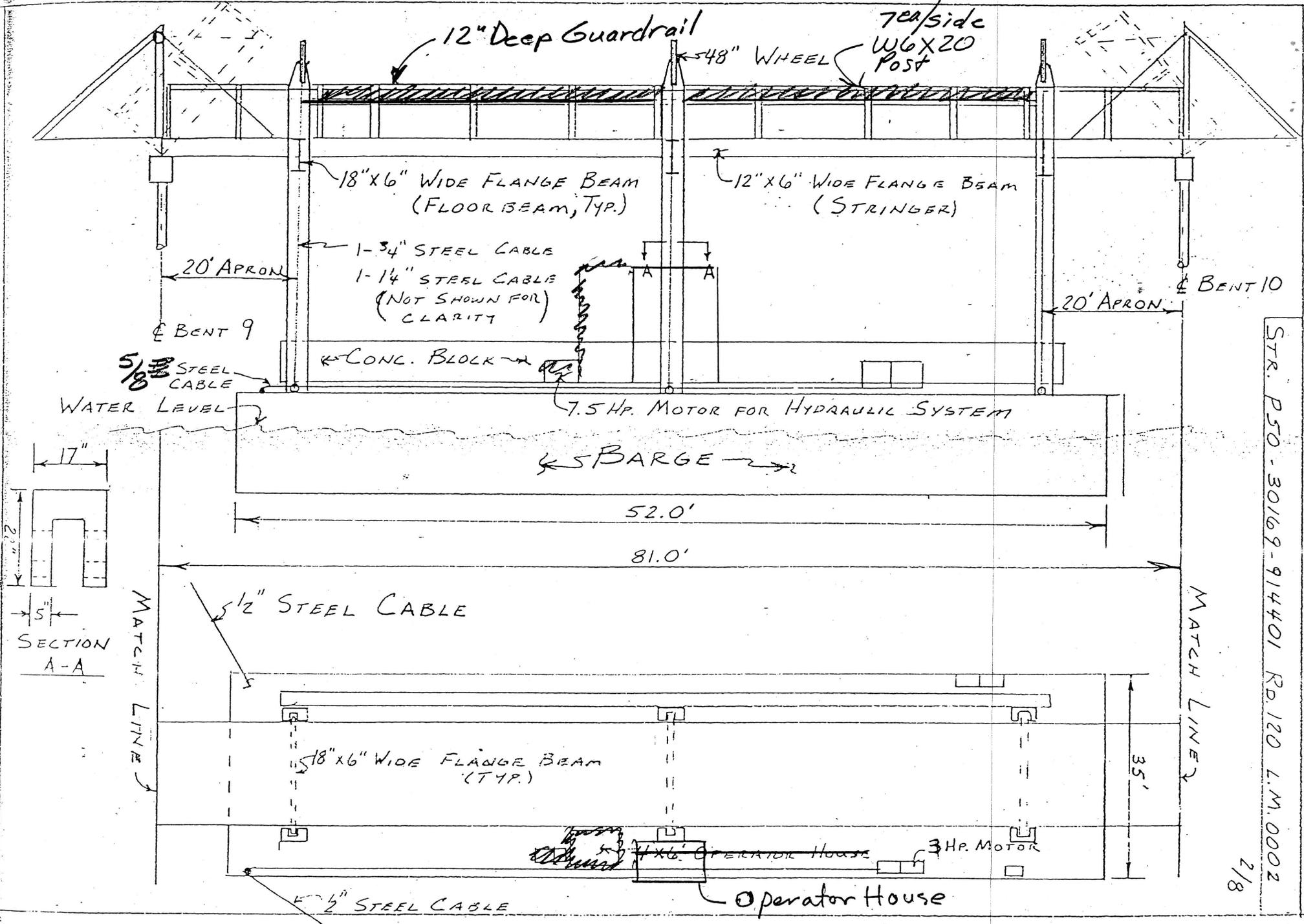


- x Stop Sign
- Hazard Marker
- ⊙ Slippery When Wet
- ⊗ Bridge May Ice In Cold Weather

General Plan of Bridge & Rdwy Approaches

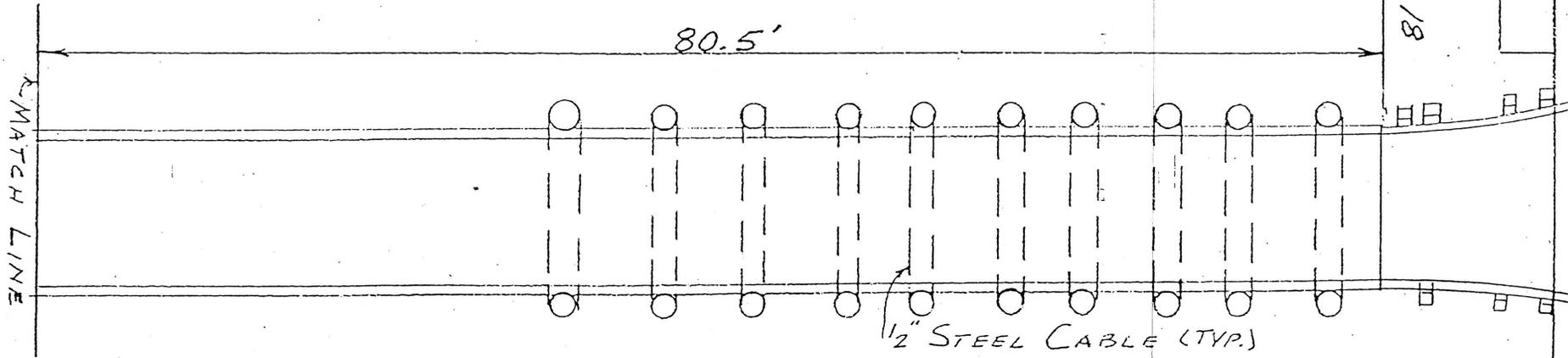
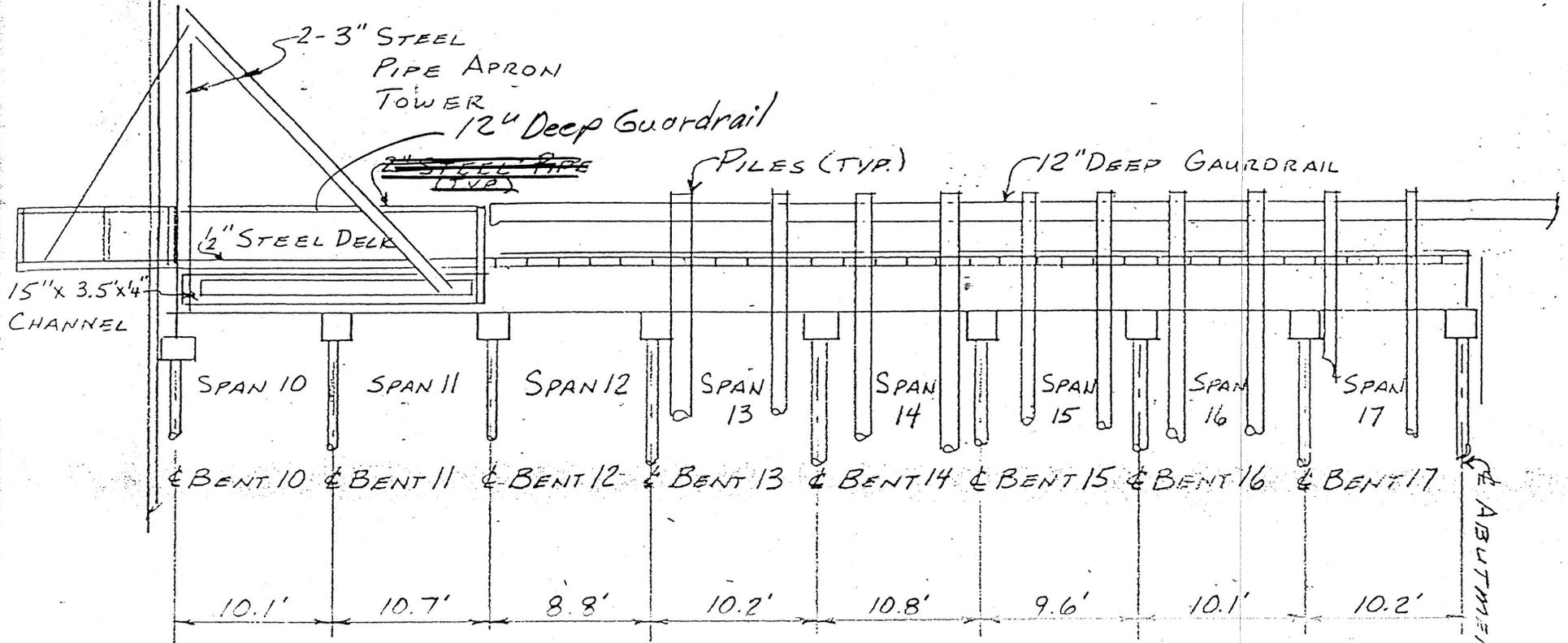




STR. P50-30169-914401 R.D. 120 L.M. 0002

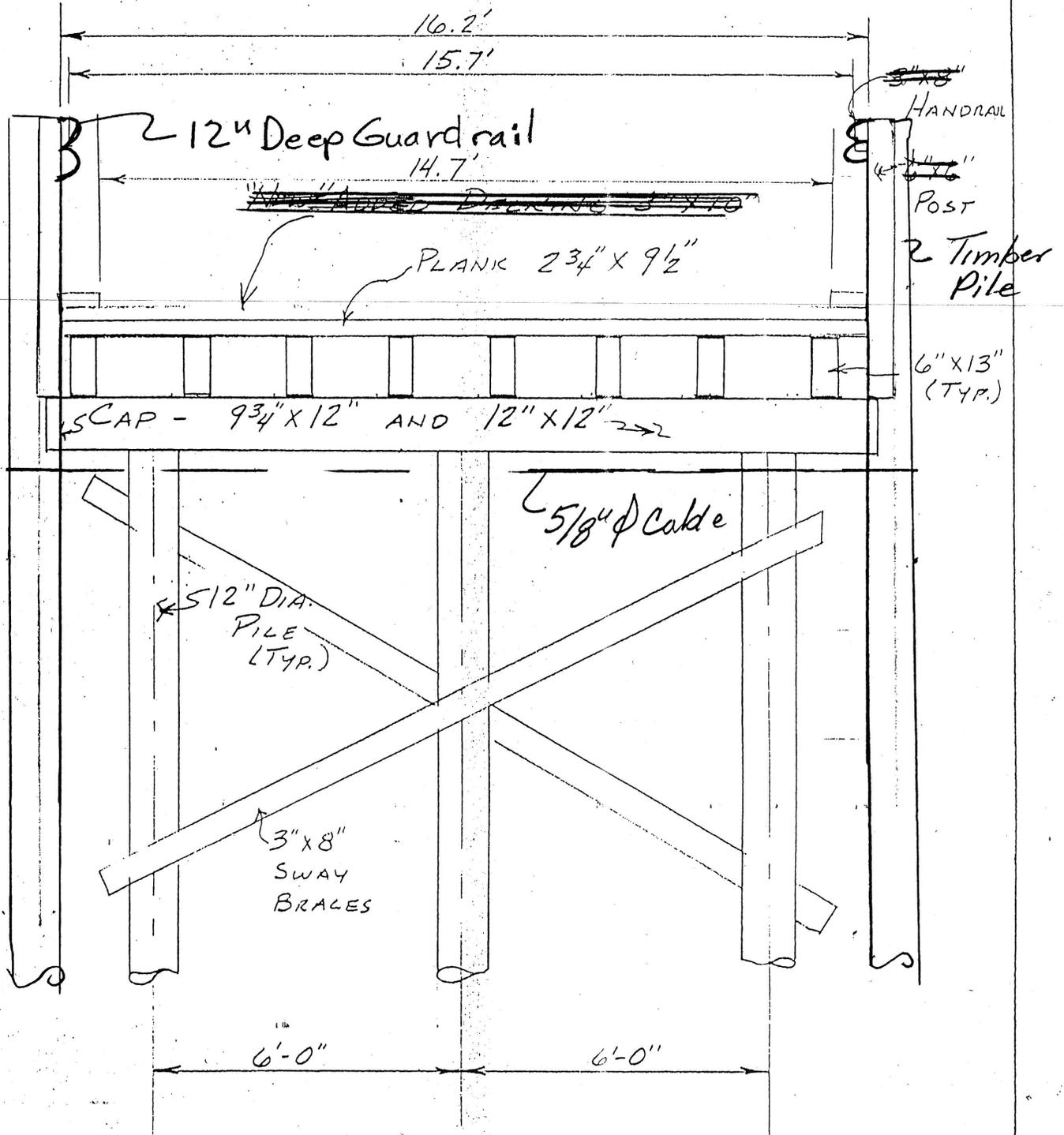
3/8

STR P50-30169-914401 RD 120 L.M. 0002

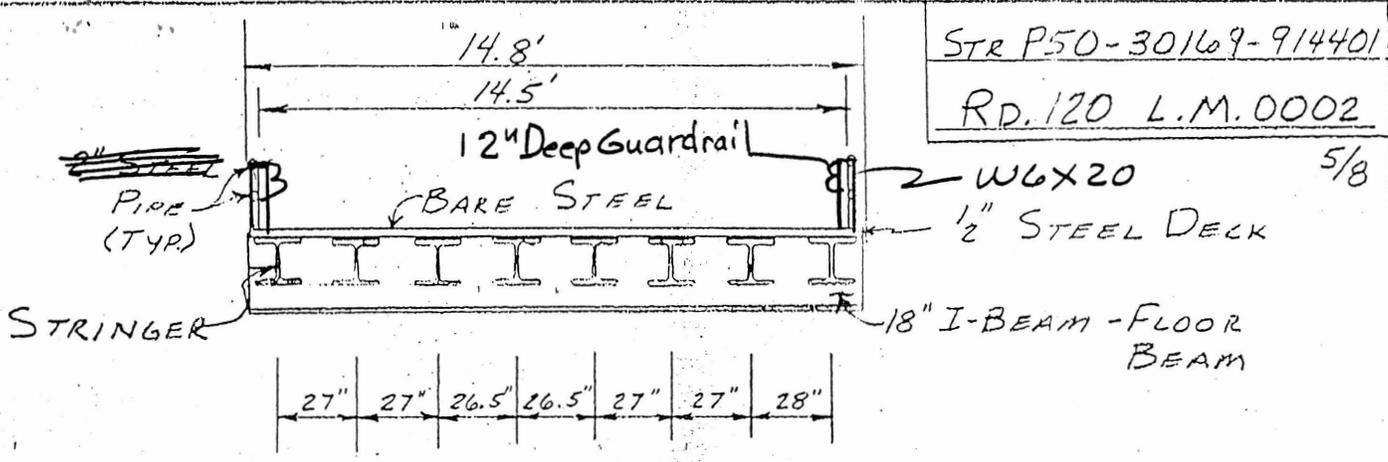


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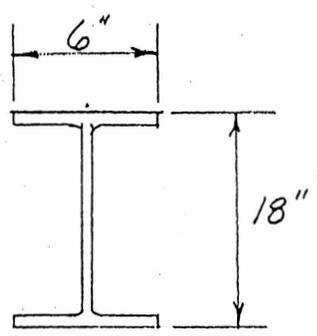
4/8



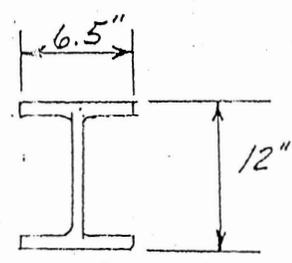
TYPICAL SECTION OF TIMBER SPANS



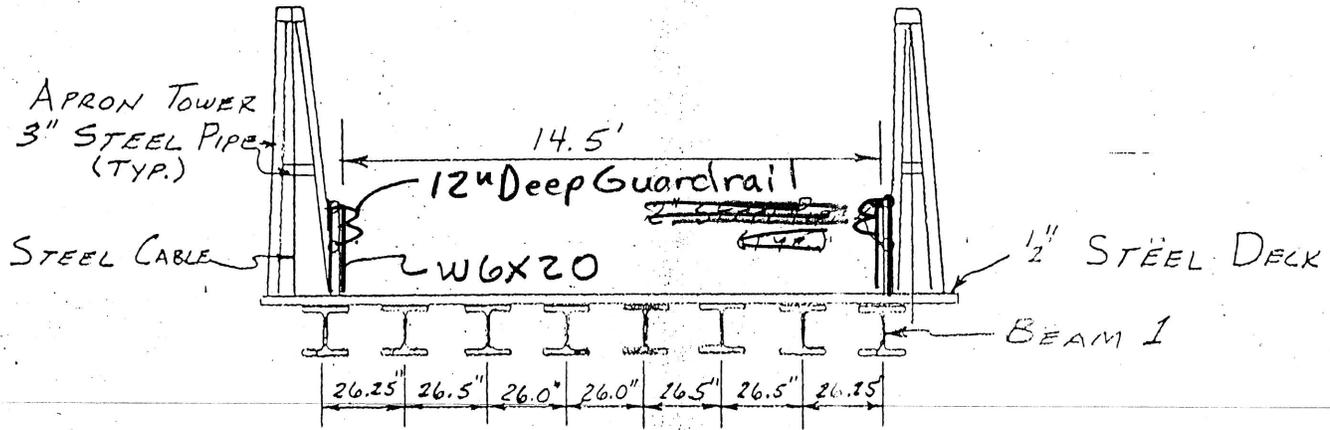
TYPICAL SECTION OF ROADWAY
AT SUPPORTS OVER BARGE



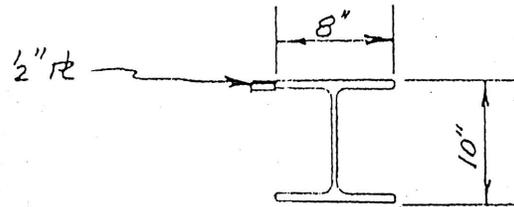
TYPICAL SECTION OF 18" I-BEAM
FLOOR BEAM



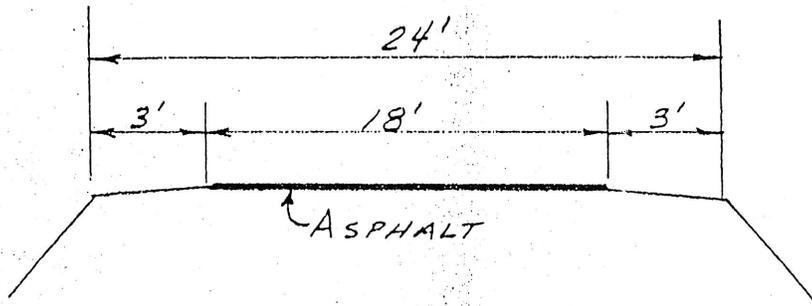
TYPICAL SECTION STRINGER
BEAM



APRON AT BENTS 9 & 10

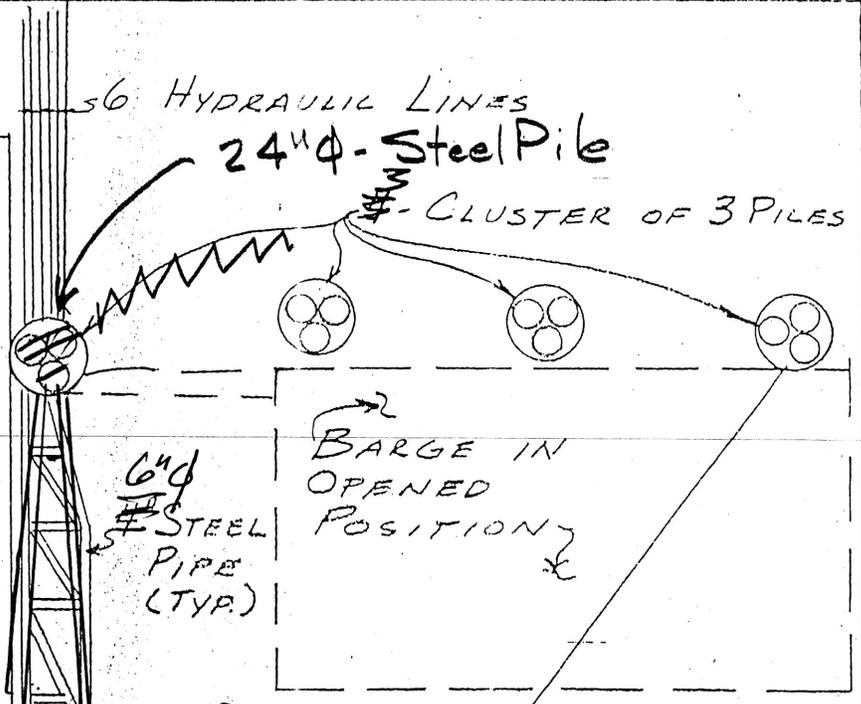


BEAM 1 SECTION



TYPICAL SECTION
OF ROADWAY

ABUTMENT 18



FOR CLOSING

- 3 H.P. MOTOR
- CAT HEAD

FOR OPENING

- 3 H.P. ELEC. MOTOR
- CAT HEAD

BARGE IN CLOSED POSITION

7.5 H.P. MOTOR FOR HYD. SYSTEM

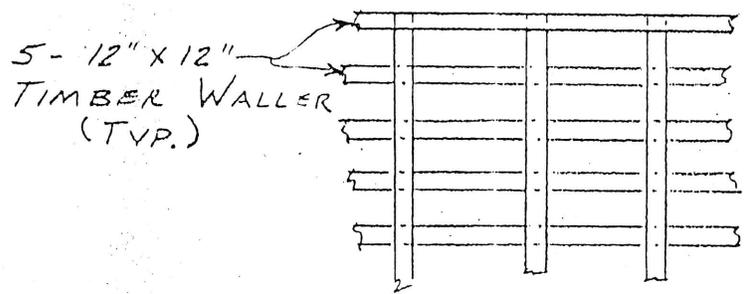
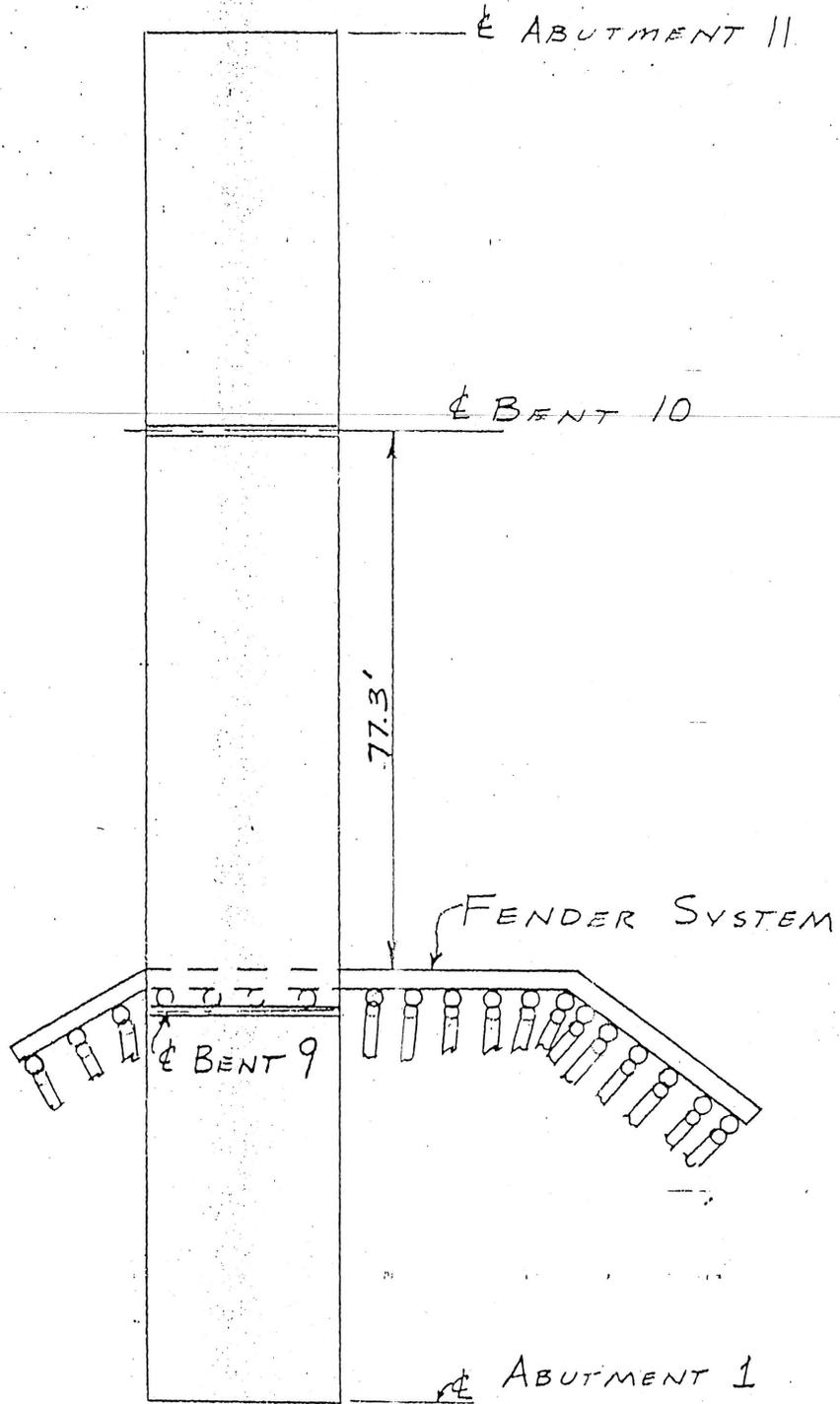
58" STEEL CABLE

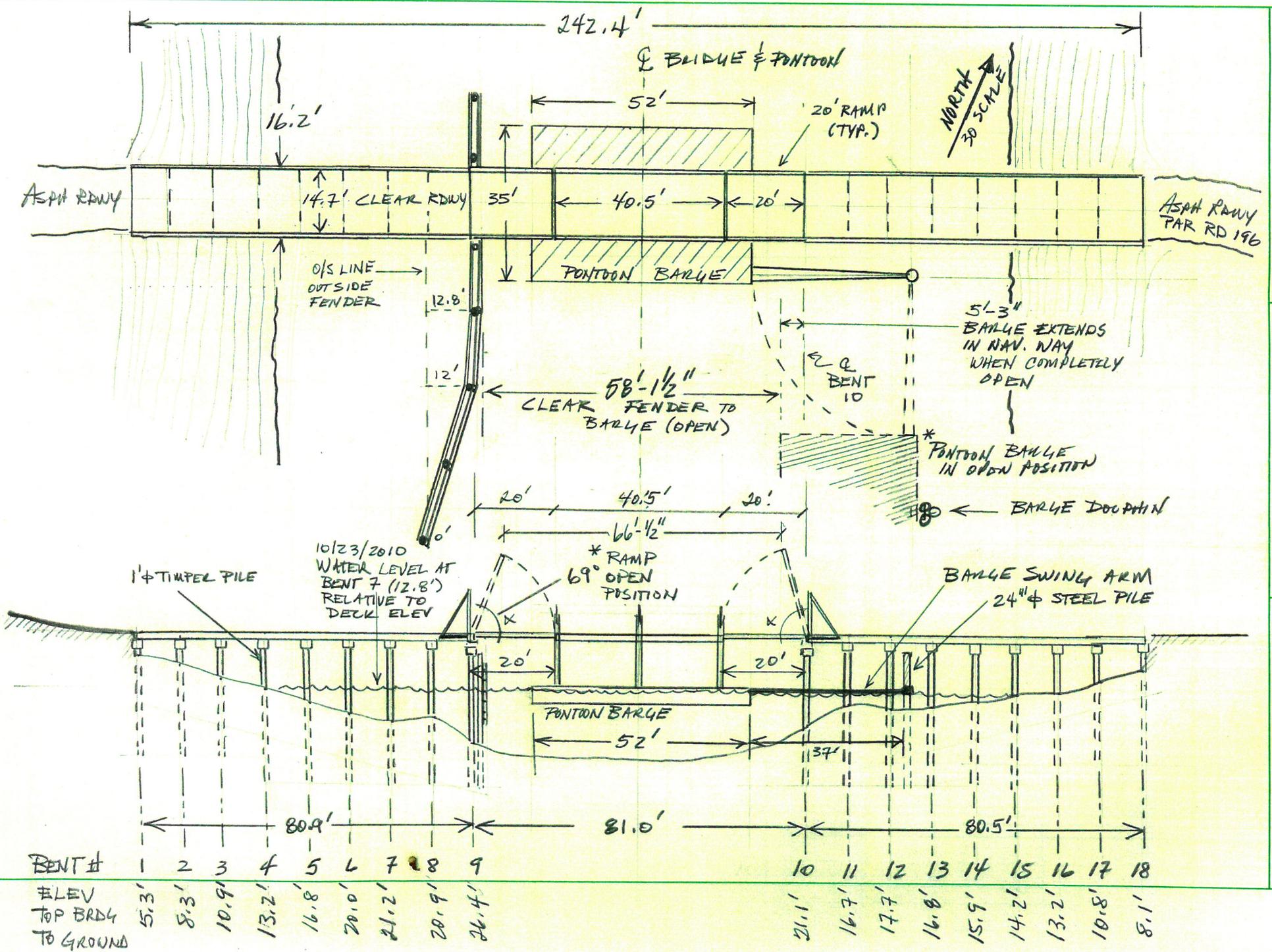
CLUSTER OF 3 PILES

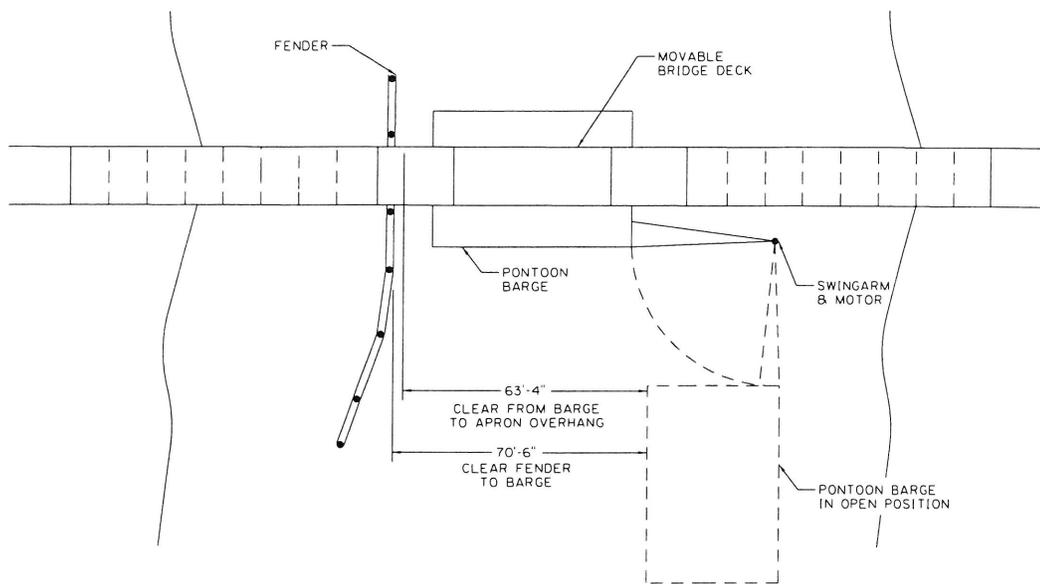


Fender System Used for Anchor

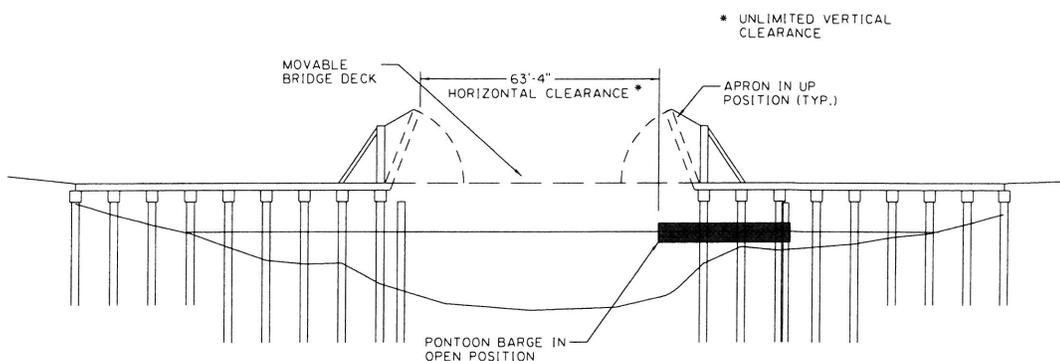
ABUTMENT 1







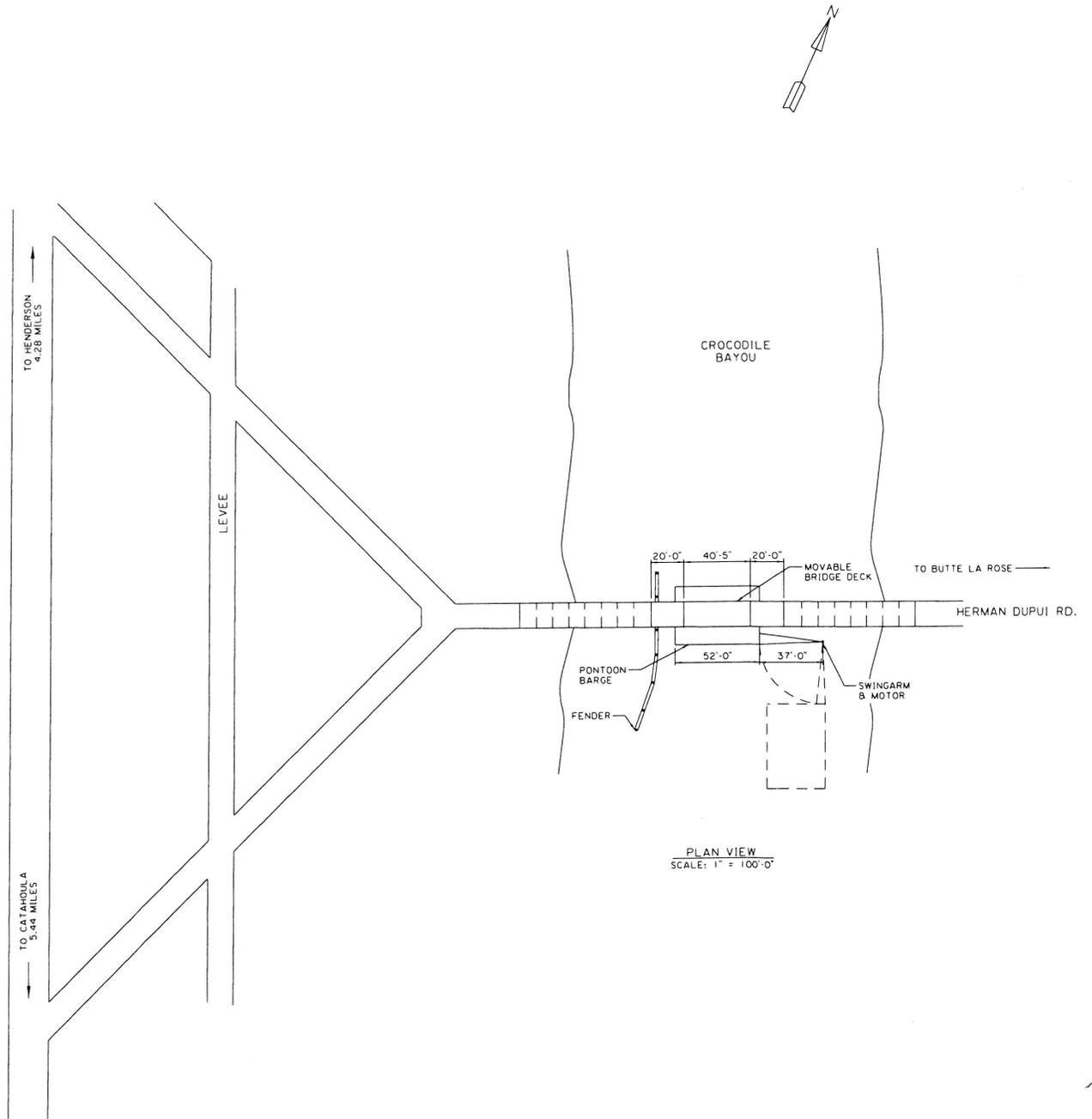
PLAN VIEW
SCALE: 1" = 50'-0"



PROFILE VIEW
SCALE: 1" = 50'-0"

BUTTE LAROSE PONTOON BRIDGE
CROCODILE BAYOU

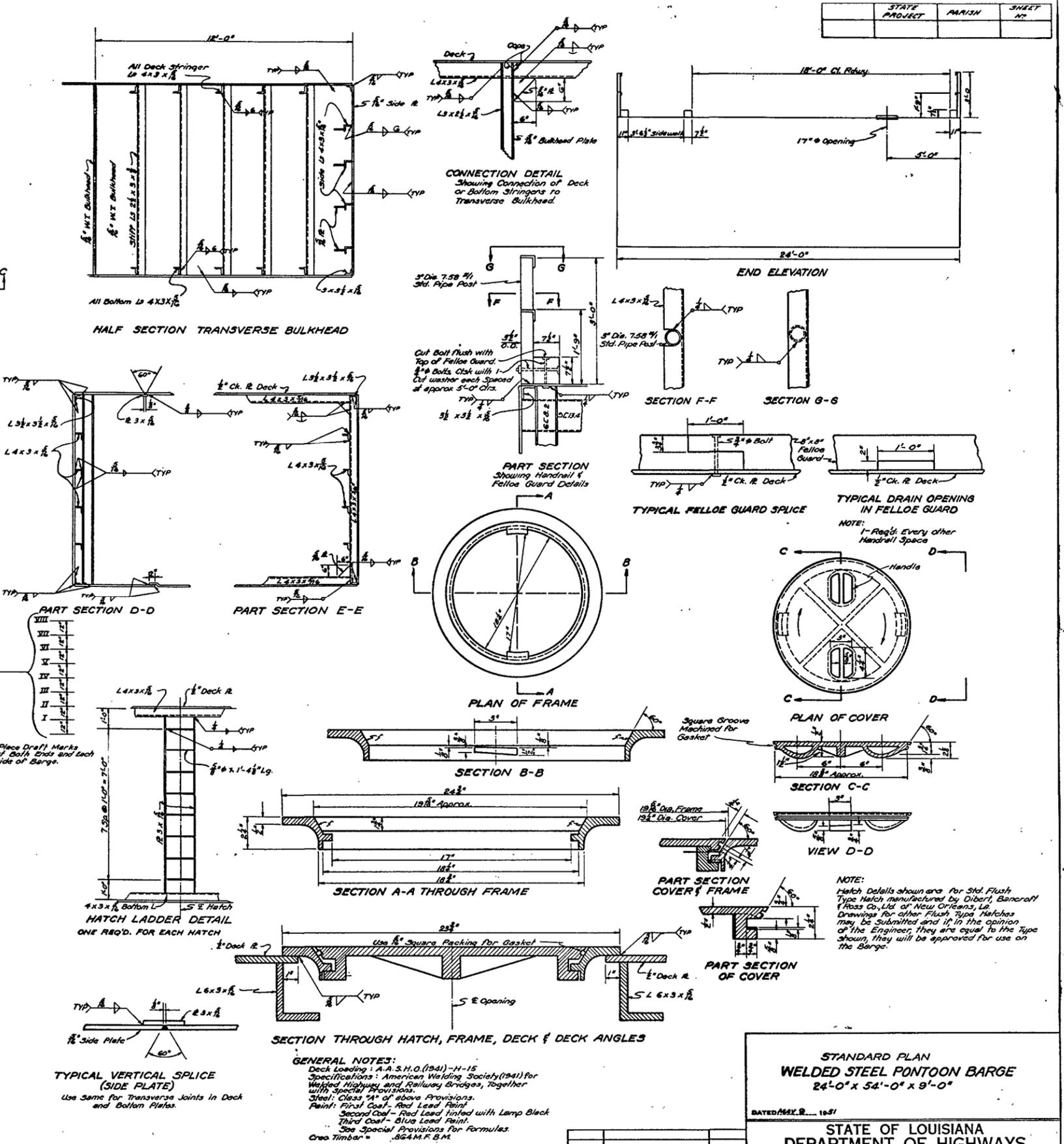
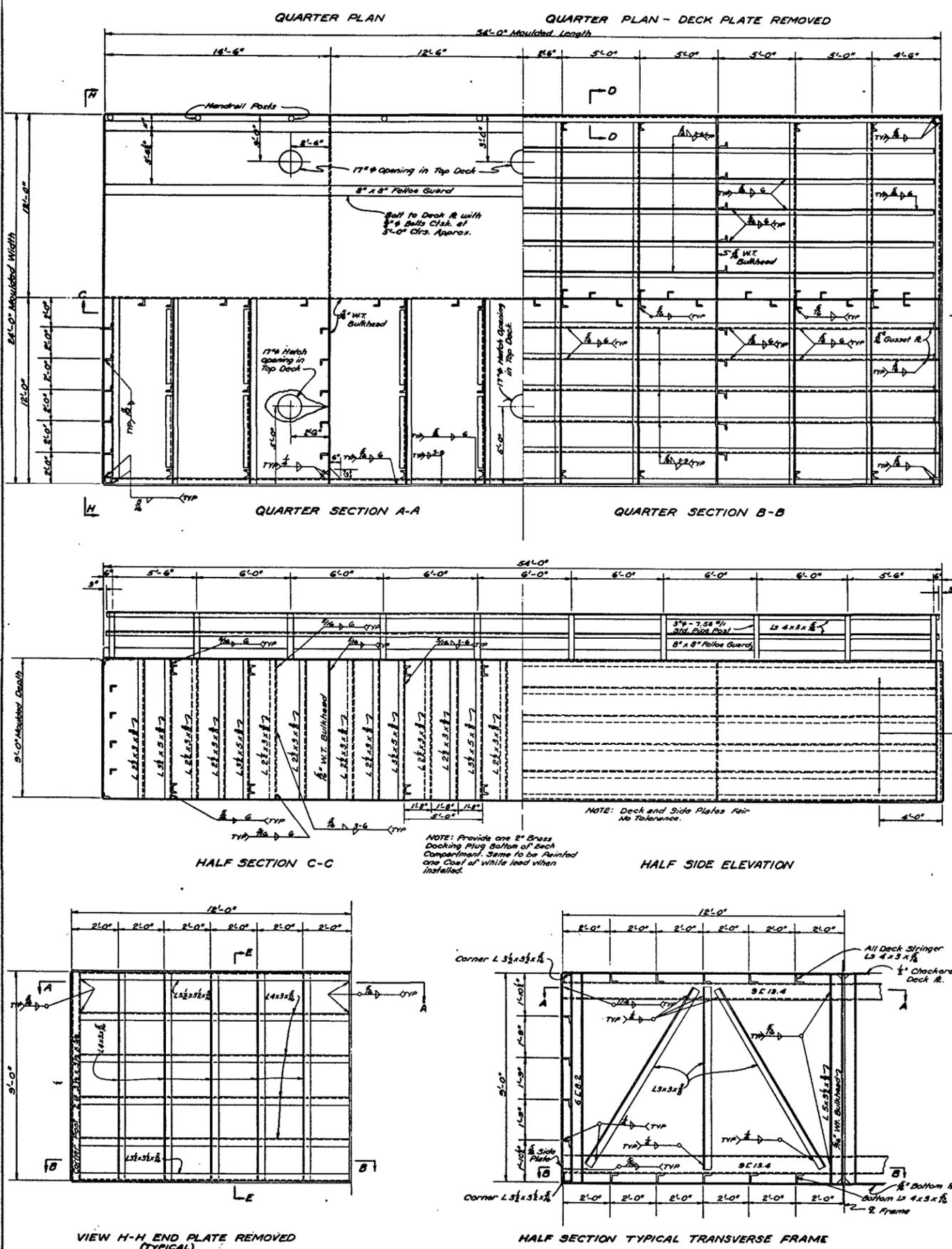
FEBRUARY 28, 2011



BUTTE LAROSE PONTOON BRIDGE
CROCODILE BAYOU

FEBRUARY 28, 2011

STATE PROJECT	PARISH	SHEET NO.



STANDARD PLAN
WELDED STEEL PONTOON BARGE
24'-0" x 54'-0" x 9'-0"

BATED MAY 2, 1951

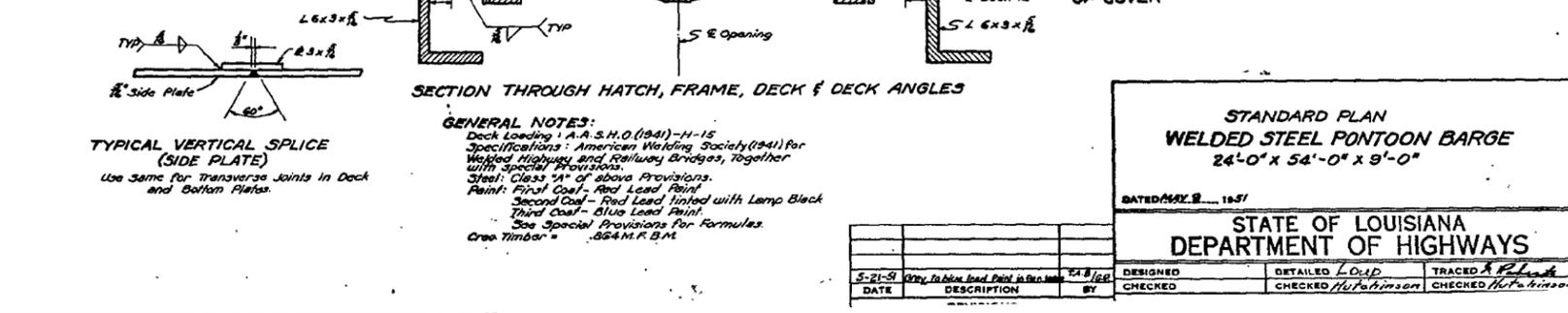
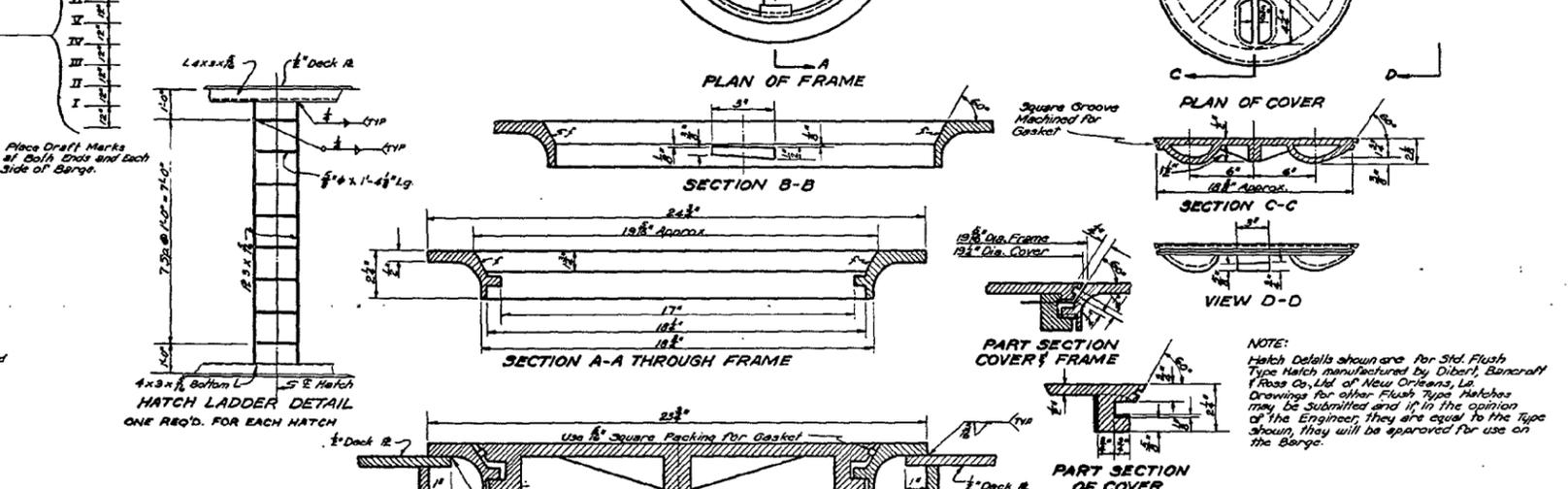
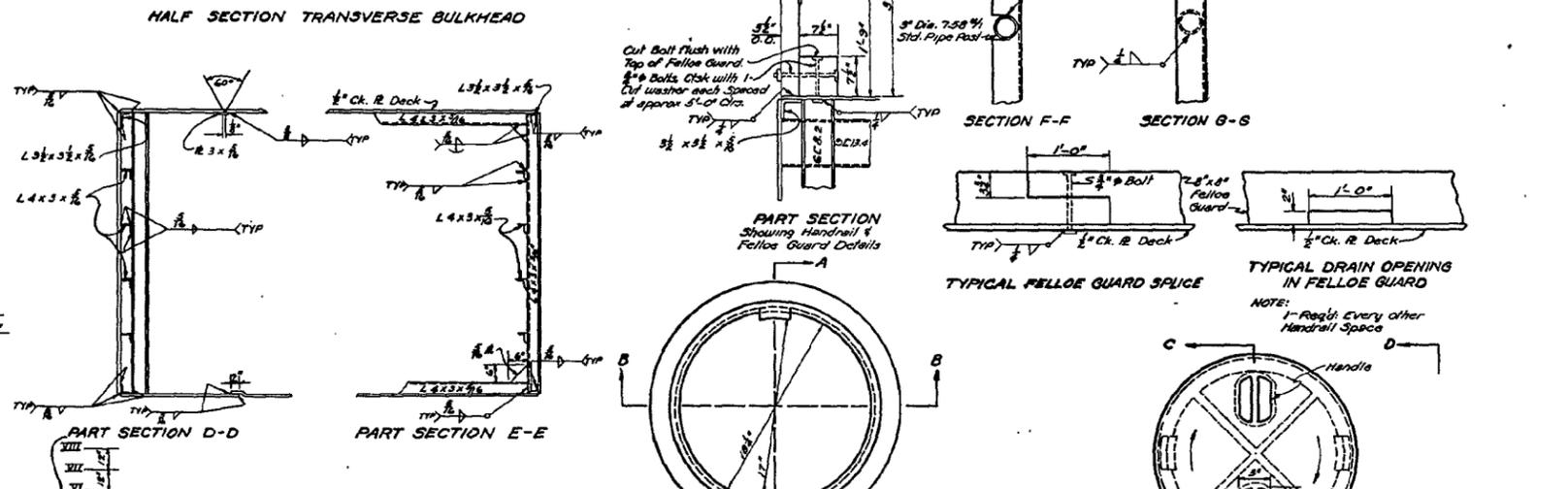
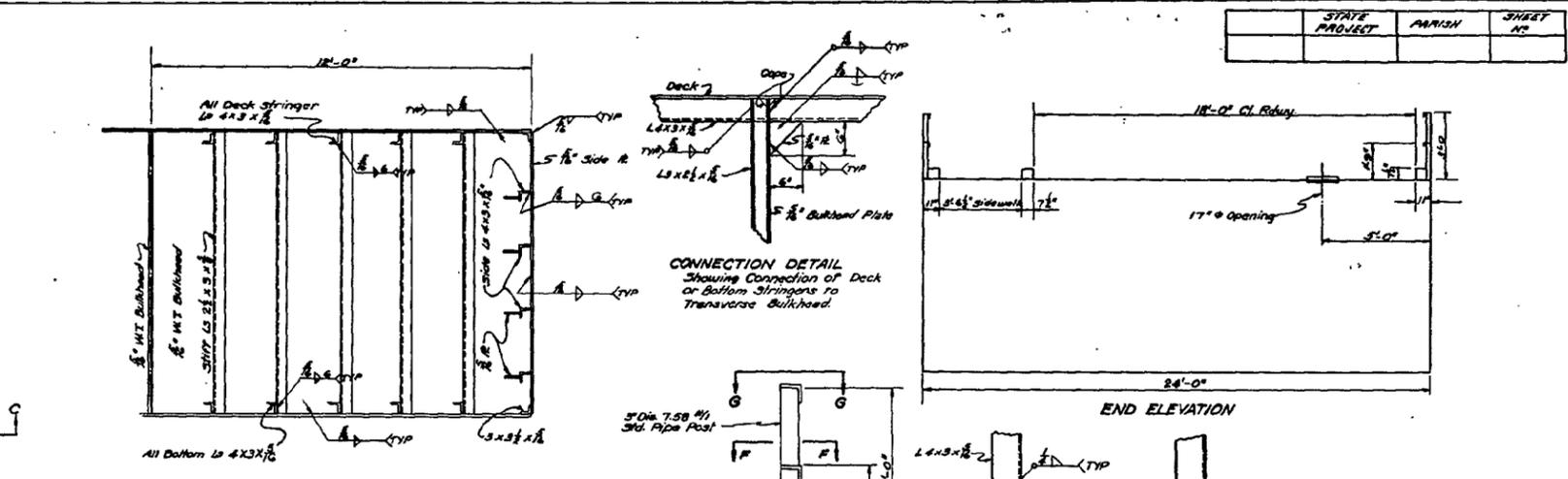
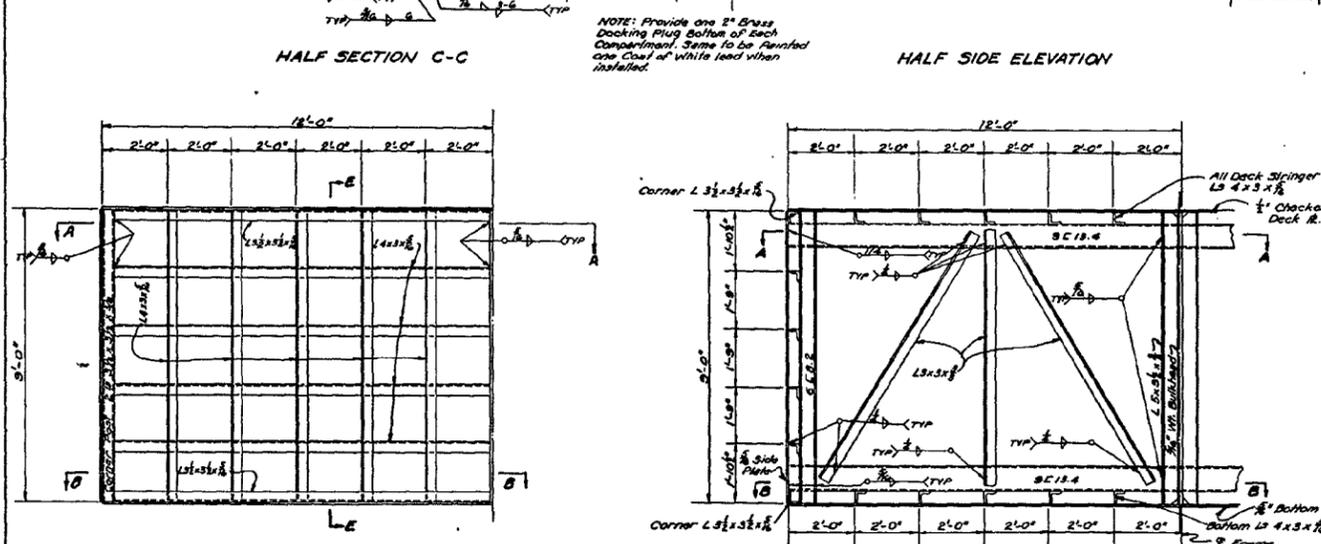
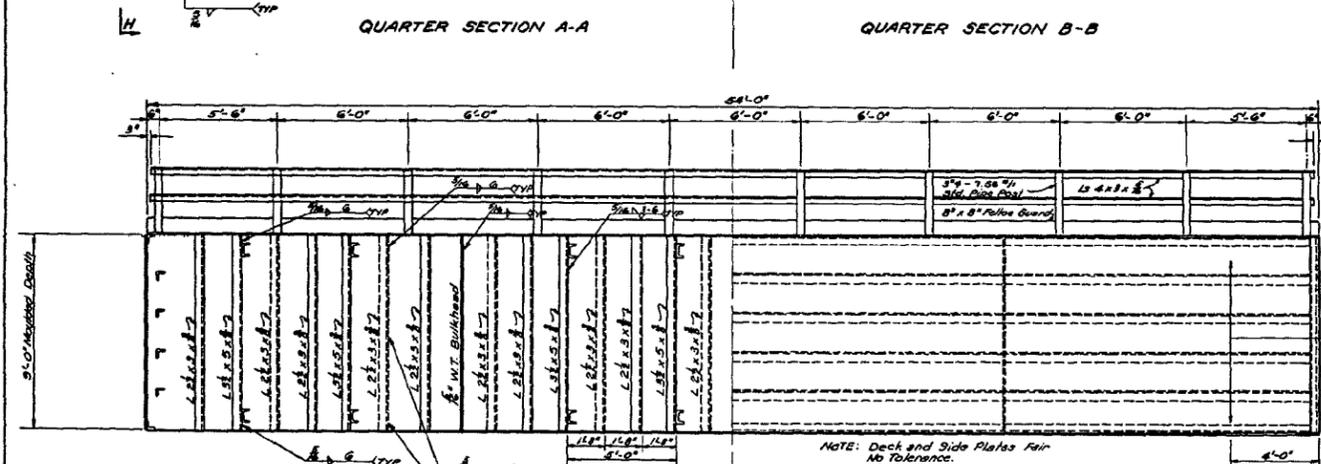
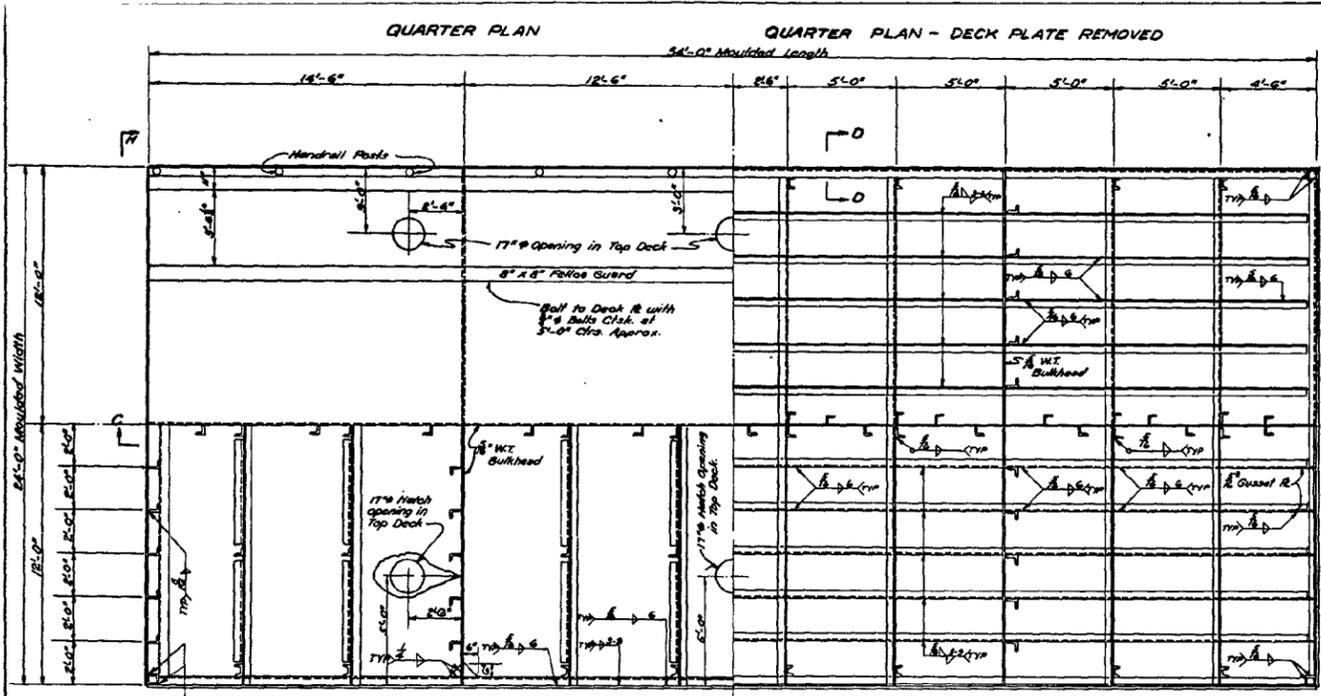
STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	LOUIS	TRACED	PLUMMER
CHECKED	HUTCHINSON	CHECKED	HUTCHINSON

BRIDGE DESIGN SECTION

DATE	DESCRIPTION	BY
5-21-51	Copy to New Lead Paint in New York	SAJ/JP

STATE PROJECT	PARISH	SHEET NO.
---------------	--------	-----------



**STANDARD PLAN
WELDED STEEL PONTOON BARGE
24'-0" x 54'-0" x 9'-0"**

BATED MAY 2 1951

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	DATE	CHECKED	DATE	TRACED	DATE

31435

Louisiana Historic Bridge

HAER Bridge

Base @ Modern

FS	Desc
500	60d set
501	PK nail set
502	60d set
503	60d set
504	60d set
505	PK nail set

A. Burns
R. Broden
R. Deumer

HAER No. LA-34 (3)

BK 16-10

31435

Louisiana Historic Bridge
HAER Bridge

Scan 1 (Tripod)

Sta 503

BS CK 500

Scan 2 (Tripod)

Sta 505

BS CK 503 501

Scan 3 (Tripod)

Sta 504

BS CK 502

Scan 4 (Tripod)

Sta 502

BS CK 504 501

Scan 5 (Tripod)

Sta 501

BS CK 500, 502

Scan 6 (Tripod)

Sta 500

BS CK 501, 503

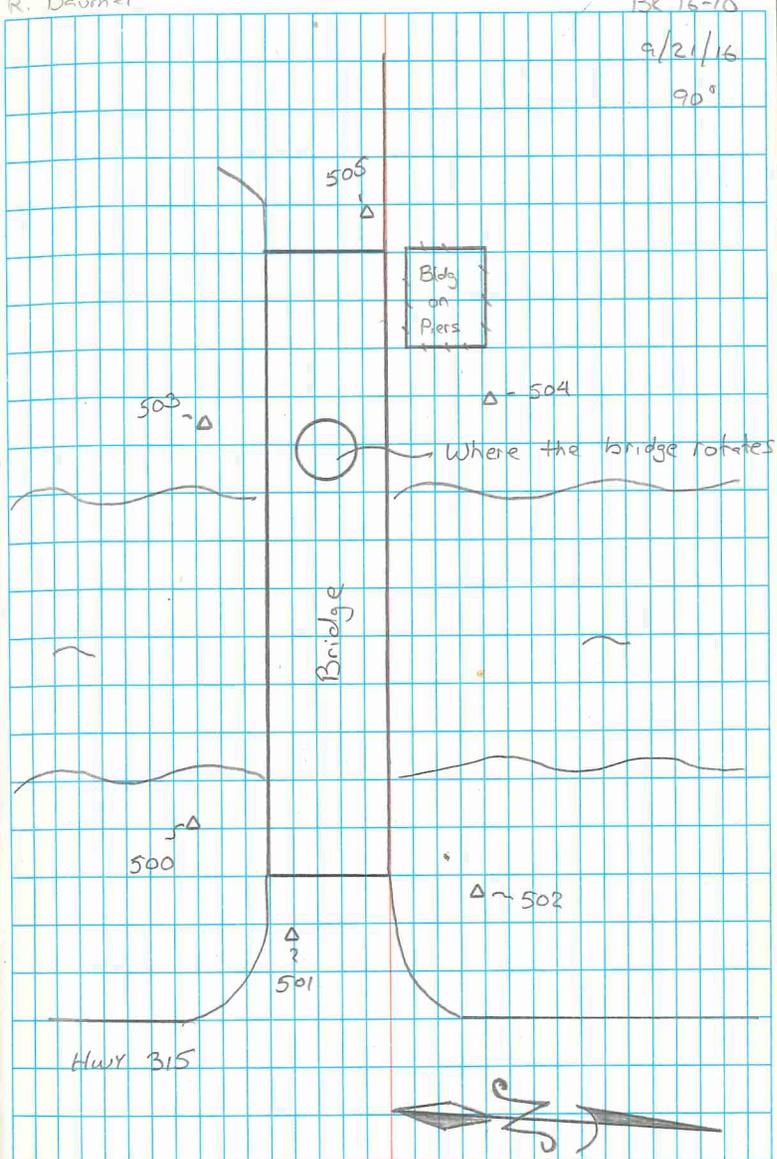
A. Burns
R. Braden
R. Daumer

④

PK 16-10

9/21/16

90°





BRIDGE 200896.txt

Status: VALID Registration

Mean Absolute Error:

for Enabled Constraints = 0.015 ft

for Disabled Constraints = 0.000 ft

Date: 2017.10.05 10:33:00

Database name : BRIDGE 200896 crocodile bayou

ScanWorlds

CONTROL2.txt (Leveled)

101: SW-003 (Leveled)

103: SW-004 (Leveled)

104: SW-005 (Leveled)

105: SW-008 (Leveled)

106: SW-002 (Leveled)

108: SW-001 (Leveled)

Station-002: SW-007 (Leveled)

Constraints

Name	ScanWorld	ScanWorld	Type	On/Off	Weight	Error	Error Vector	Horz	Vert
108	CONTROL2.txt (Leveled)	108: SW-001 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.030 ft	(0.002, 0.002, -0.030) ft	0.003 ft	-0.030 ft
101	CONTROL2.txt (Leveled)	101: SW-003 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.021 ft	(0.014, 0.013, -0.009) ft	0.019 ft	-0.009 ft
13	CONTROL2.txt (Leveled)	104: SW-005 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.008 ft	(0.003, 0.005, -0.006) ft	0.006 ft	-0.006 ft
13	CONTROL2.txt (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.019 ft	(-0.017, 0.001, -0.007) ft	0.017 ft	-0.007 ft
103	CONTROL2.txt (Leveled)	103: SW-004 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.007 ft	(0.006, 0.004, -0.001) ft	0.007 ft	-0.001 ft
10	CONTROL2.txt (Leveled)	103: SW-004 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.006 ft	(0.005, -0.001, -0.003) ft	0.005 ft	-0.003 ft
10	CONTROL2.txt (Leveled)	105: SW-008 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.016 ft	(0.012, -0.002, -0.011) ft	0.012 ft	-0.011 ft
10	CONTROL2.txt (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.009 ft	(0.008, 0.001, 0.000) ft	0.009 ft	0.000 ft
104	CONTROL2.txt (Leveled)	104: SW-005 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.025 ft	(-0.023, -0.009, 0.005) ft	0.024 ft	0.005 ft
12	CONTROL2.txt (Leveled)	101: SW-003 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.015 ft	(-0.009, 0.004, 0.012) ft	0.010 ft	0.012 ft
12	CONTROL2.txt (Leveled)	108: SW-001 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.019 ft	(-0.006, 0.007, 0.017) ft	0.009 ft	0.017 ft
12	CONTROL2.txt (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.021 ft	(-0.007, 0.018, 0.010) ft	0.019 ft	0.010 ft
105	CONTROL2.txt (Leveled)	105: SW-008 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.018 ft	(-0.004, -0.009, 0.015) ft	0.010 ft	0.015 ft
105	CONTROL2.txt (Leveled)	106: SW-002 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.015 ft	(0.002, -0.010, 0.011) ft	0.010 ft	0.011 ft
105	CONTROL2.txt (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.026 ft	(0.011, -0.022, 0.006) ft	0.025 ft	0.006 ft
106	CONTROL2.txt (Leveled)	106: SW-002 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.011 ft	(0.002, 0.000, -0.011) ft	0.002 ft	-0.011 ft
12	101: SW-003 (Leveled)	108: SW-001 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.007 ft	(0.003, 0.003, 0.005) ft	0.004 ft	0.005 ft
12	101: SW-003 (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.014 ft	(0.002, 0.014, -0.002) ft	0.014 ft	-0.002 ft
10	103: SW-004 (Leveled)	105: SW-008 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.010 ft	(0.007, 0.000, -0.007) ft	0.007 ft	-0.007 ft
10	103: SW-004 (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.006 ft	(0.004, 0.003, 0.003) ft	0.004 ft	0.003 ft
13	104: SW-005 (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.020 ft	(-0.020, -0.004, -0.001) ft	0.020 ft	-0.001 ft
10	105: SW-008 (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.012 ft	(-0.004, 0.003, 0.011) ft	0.005 ft	0.011 ft
105	105: SW-008 (Leveled)	106: SW-002 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.007 ft	(0.005, -0.001, -0.005) ft	0.005 ft	-0.005 ft
105	105: SW-008 (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.022 ft	(0.015, -0.013, -0.009) ft	0.020 ft	-0.009 ft
105	106: SW-002 (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.016 ft	(0.009, -0.012, -0.004) ft	0.015 ft	-0.004 ft
12	108: SW-001 (Leveled)	Station-002: SW-007 (Leveled)	Coincident: Vertex - Vertex	On	1.0000	0.013 ft	(-0.001, 0.011, -0.008) ft	0.011 ft	-0.008 ft

ScanWorld Transformations

CONTROL2.txt (Leveled)

translation: (0.000, 0.000, 0.000) ft

rotation: (0.0000, 1.0000, 0.0000):0.000 deg

101: SW-003 (Leveled)

translation: (3153980.569, 648256.892, 25.796) ft

rotation: (0.0000, 0.0000, 1.0000):48.199 deg

103: SW-004 (Leveled)

translation: (3153778.865, 648118.061, 19.857) ft

rotation: (0.0000, 0.0000, 1.0000):-158.236 deg

104: SW-005 (Leveled)

translation: (3153746.568, 648188.561, 18.971) ft

rotation: (-0.0000, -0.0000, -1.0000):-144.530 deg

BRIDGE 200896.txt

105: SW-008 (Leveled)
translation: (3153687.404, 648310.183, 20.213) ft
rotation: (-0.0000, -0.0000, -1.0000):-91.000 deg

106: SW-002 (Leveled)
translation: (3153953.540, 648272.764, 17.462) ft
rotation: (-0.0000, -0.0000, -1.0000):60.083 deg

108: SW-001 (Leveled)
translation: (3153961.760, 648220.043, 14.133) ft
rotation: (-0.0000, -0.0000, -1.0000):-96.790 deg

Station-002: SW-007 (Leveled)
translation: (3153718.357, 648153.576, 26.995) ft
rotation: (-0.0000, -0.0000, -1.0000):-105.861 deg

Unused ControlSpace Objects

CONTROL2.txt (Leveled):
Vertex : TargetID : 11
Vertex : TargetID : 102

Station-002: SW-007 (Leveled):
Vertex : unlabeled

State Project No. H.007020
 Historic Bridge Inventory

SJB Group performed terrestrial laser scanning and created deliverables in accordance with HAER 4.0 Measured Drawings for six bridges throughout Louisiana. The six bridges surveyed under this contract were bridge numbers 008970, 009130, 014900, 058710, 200865 and 200896. The following sections are a description of the equipment and procedures used for this project.

Section I – Equipment

The equipment used in the establishment of the primary control network for this project was manufactured by Leica. Real-time kinematic GPS observations were collected using a Leica GS15 Smart Antenna “Performance” and CS15 3.5G Field Controller. Figure 12 is an image of the equipment used.



Figure 1: Photograph of Leica TS15 Total Station and Leica CS/GS15 GPS uni

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Fax (225) 769-3596

www.sjbgroupp.com

Below is a table of the serial numbers for the equipment used for this project.

Description	Model Number	Serial Number
Leica ScanStation	C10	1260997
Leica Base	GS15	1508955
Leica Rover	GS15	1509134
Leica Controller	CS15	25022556

Section II – Field Procedures

Marks set via real-time kinematic GPS observations were established through a series of ten (10) second observations. Each mark was occupied three (3) times throughout the day from at least two (2) different base stations for a total of six (6) observations. Primary control marks were periodically cross checked throughout the day to ensure an accurate basis of measurement.

Section III – Equipment

Scanning was performed with the Leica ScanStation C-10, serial number 120997, in conjunction with HDS 6 inch circular planar fixed height (1.472 meters) targets



Figure 2: Photograph of Leica ScanStation C10

Section IV – Field Procedures

Scanning observations were made by independent instrument locations which included a minimum of four HDS targets on Secondary Control Marks. At each scanning location the C10 collects observed data relative to the instrument and builds a data set which identifies the HDS target marks. Each data set is called a “Scan World” for the purposes of computation.

Section V – Data Processing

The separate Scan Worlds were “registered” using Leica Cyclone Version 8.0 software which merges the independent observations by resection and statistical comparison of the State Plane values associated with each of the HDS target locations. The State Plane resolution data set which merges all scanned information is presented in Appendix “E.” TopoDOT version 9.0.0.0 was used to extract features from the point cloud registered in Leica Cyclone.