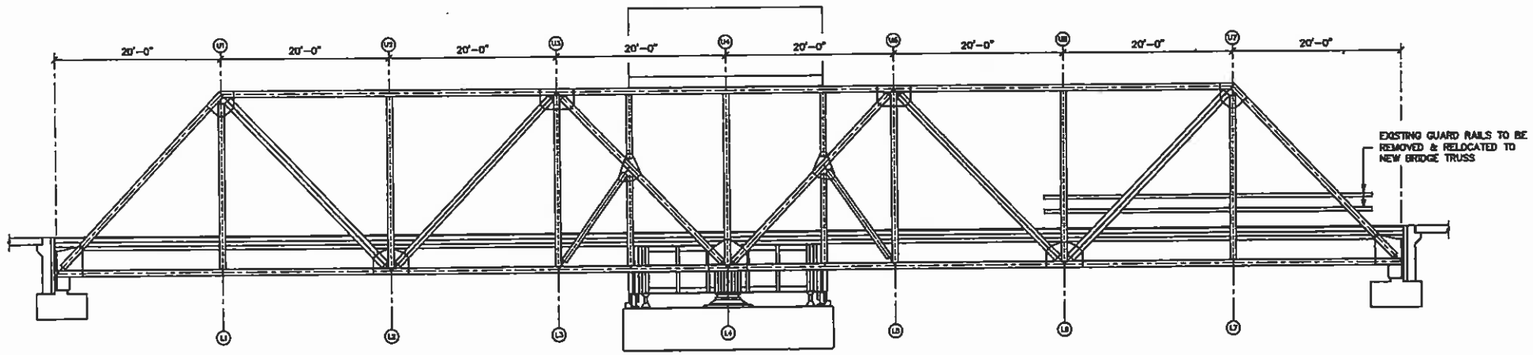
GREATER LAFOURCHE PORT COMMISSION
CHEVRON CANAL BRIDGE
REPAIR AND REINFORCEMENT
JANUARY 15, 1999

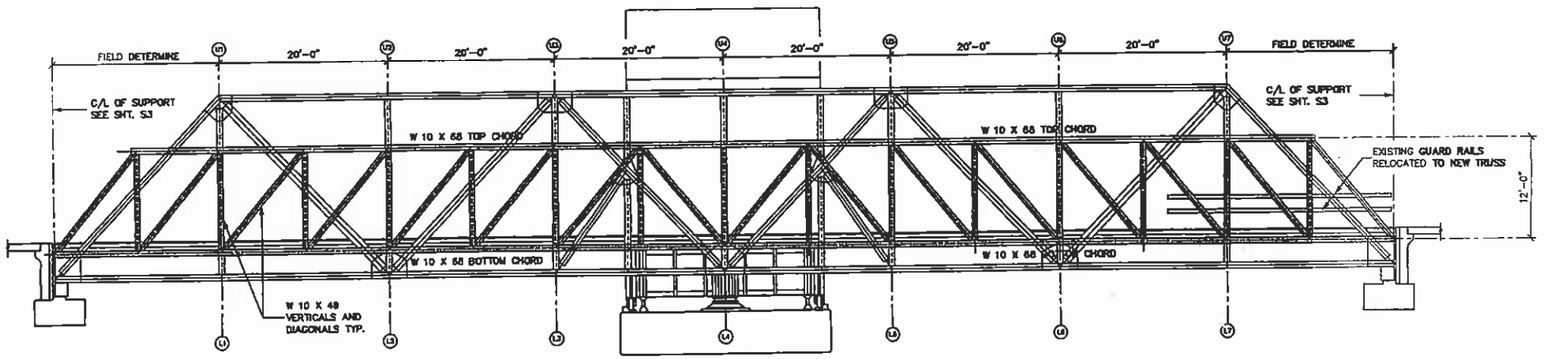
VICINITY MAP

DRAWING INDEX

BADEAUX ENGINEERS
INCORPORATED
CONSULTING ENGINEERS
STRUCTURAL / CIVIL
115 EAST SIXTH ST. 70301
POST OFFICE BOX 1656 70302
504-447-2317 THIBODAUX LA.



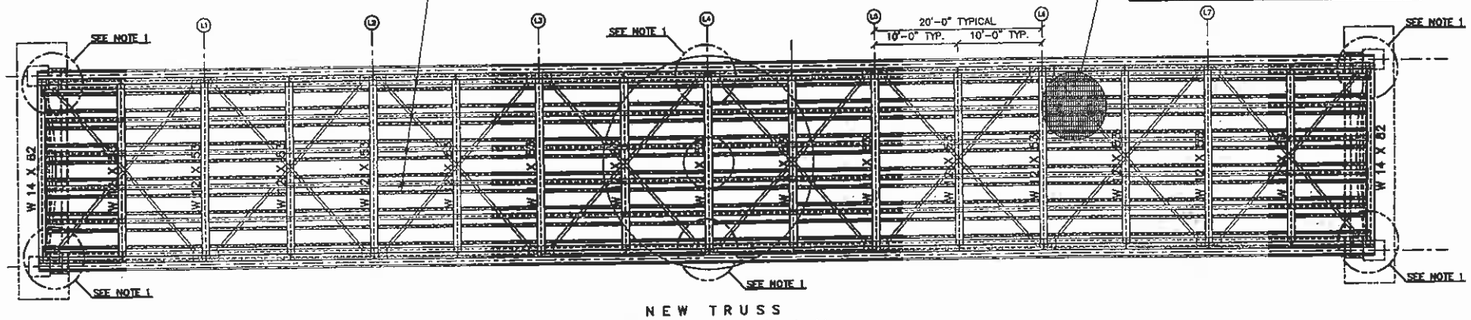
EXISTING
ELEVATION
1/8" = 1'-0"



NEW TRUSS
ELEVATION
1/8" = 1'-0"

NOTE 1:
EXISTING STEEL FRAMING AND BEARING PADS TO BE INSPECTED AND REINFORCED AS NECESSARY TO SUPPORT NEW TRUSS REACTIONS.

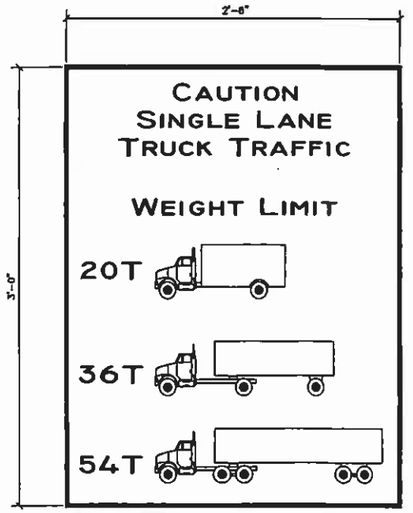
GRATING NOTE:
GALVANIZED HEAVY WELD STEEL GRATING
4" x 1/4" BEARING BARS @ 1 7/8"o.c.
CROSS BARS @ 4"o.c. (TYPE HWD)
FASTEN W/ TYPE-C CLIP @ MANUFACTURER'S RECOMMENDED SPACING.



NEW TRUSS
DECK PLAN
1/8" = 1'-0"

GENERAL NOTES

1. Contractor shall field verify all dimensions and adjust dimensions of new fabrications to fit existing as-built conditions.
2. Contractor shall sequence all work to assure that at least one lane of the bridge remains open from May 15, 1999 through August 15, 1999 and that bridge closure time will be minimized.
3. Contractor shall hire a testing laboratory to conduct metallurgical tests on steel removed from the bridge to develop proper welding for attachment of new steel to existing.
4. All bolts, nuts, and washers shall be hot dipped galvanized.
5. At points of support for the new trusses, Contractor shall expose and hire a laboratory to inspect all existing steel from the new truss support ponts to the bearing points. All pitting, rusting, missing rivets and/or damaged material shall be reported to the Engineer. If existing materal requires reinforcement at these points, the Contractor shall install reinforcement to be described by the Engineer.Payment for this work shall be at the unit prices stipulated on the Bid Form.
6. The existing bridge was originally designed circa 1933 for H15 truck loads. Because of extensive rust and damage, the bridge has been down rated to a single lane operating rating of 9 tons Type 3 vehicle (3 axle truck). Contractor shall use the lightest equipment possible to conduct the work required.



CONTRACTOR SHALL FURNISH AND INSTALL TWO METAL SIGNS WITH POSTS CONFORMING TO LDOTD SPECIFICATIONS. INSTALL ONE SIGN ON APPROACHES FROM EITHER DIRECTION.

BADEAUX ENGINEERS
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STATE OF LOUISIANA
R.A. BADEAUX, JR.
REG. No. 9781
PROFESSIONAL ENGINEER
CIVIL ENGINEER

PROJECT NO: 2180
FILE NAME: 2180SH
PLOT SCALE: 1=96

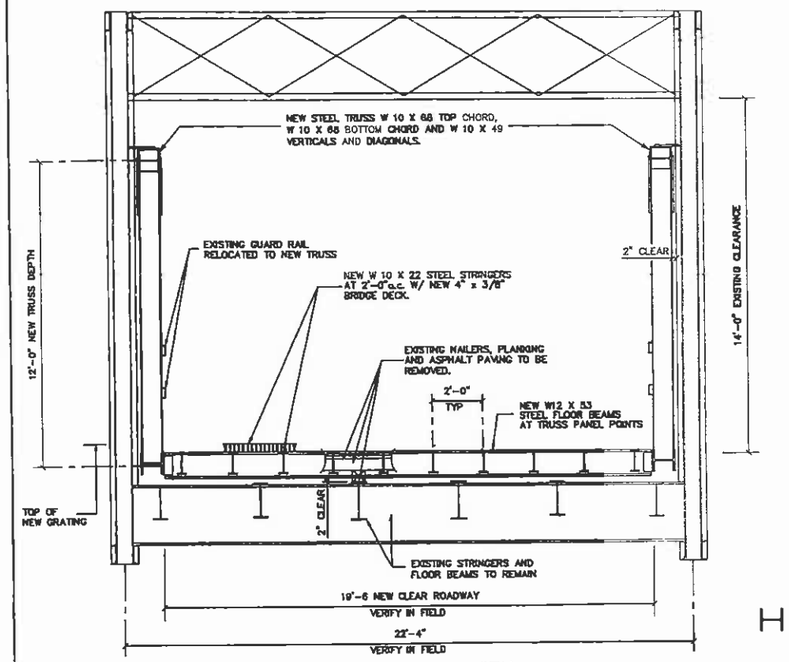
GREATER LAFOURCHE PORT COMMISSION

CHEVRON CANAL BRIDGE REPAIR AND REINFORCEMENT

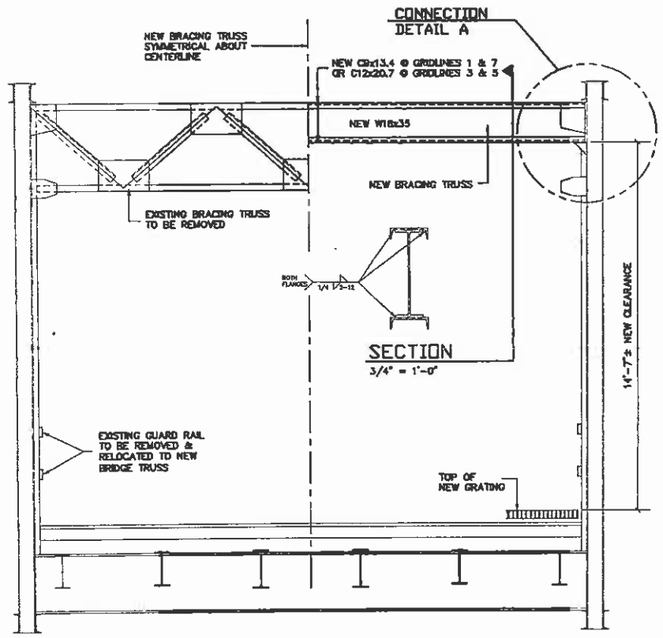
DATE	ISSUE
1/15/99	CONSTRUCTION

DRAWN BY: RJB
CHECKED BY: RAB
DATE: 1/15/99

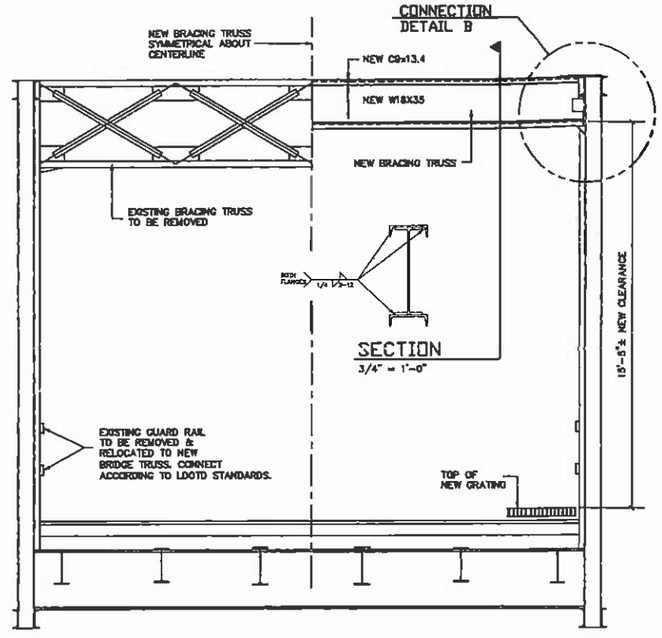
SHEET NO.
1
1 OF 7



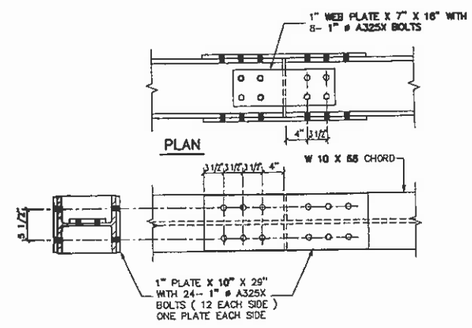
NEW TRUSS SECTION
3/8" = 1'-0"



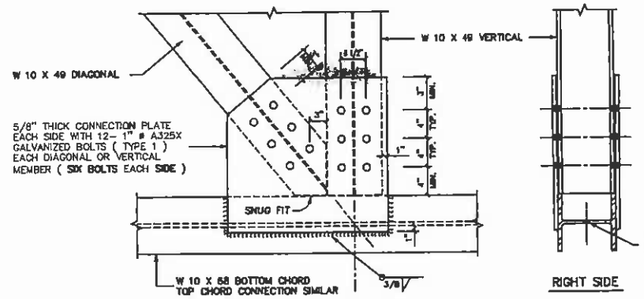
BRIDGE SECTION @ GRIDLINES 1,3,5 &7
3/8" = 1'-0"



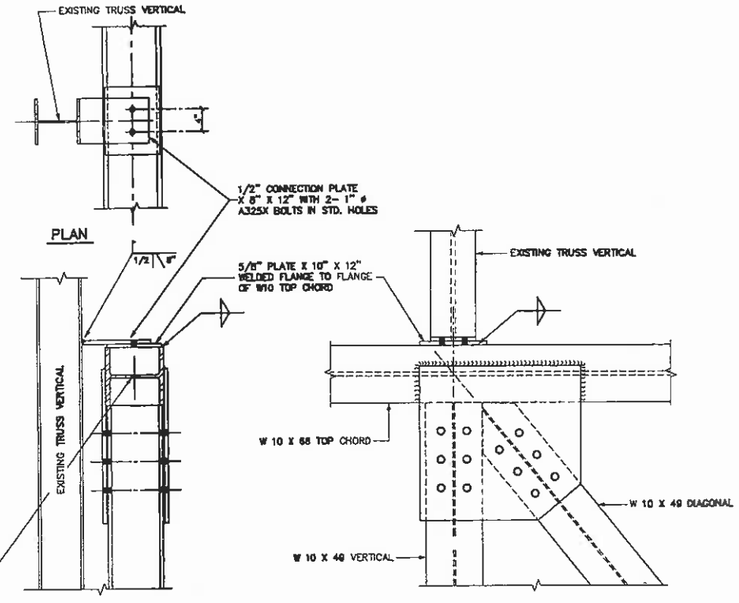
BRIDGE SECTION @ GRIDLINES 2,4 & 6
3/8" = 1'-0"



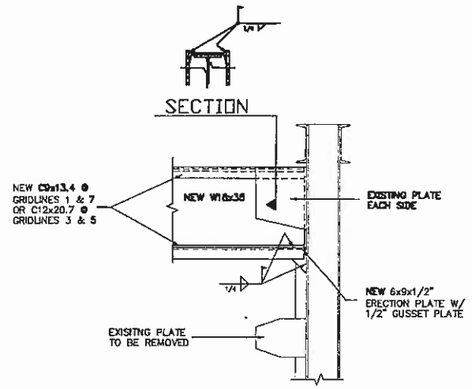
TYPICAL CHORD SPLICE
1" = 1'-0"



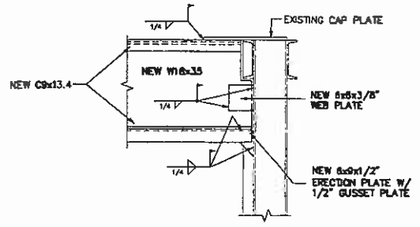
TYPICAL TRUSS CONNECTION
1" = 1'-0" TOP CHORD CONNECTION SIMILAR



TYPICAL NEW TOP CHORD TO EXISTING TRUSS CONNECTION
1" = 1'-0"



CONNECTION DETAIL A
3/4" = 1'-0"



CONNECTION DETAIL B
3/4" = 1'-0"

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STATE OF LOUISIANA
J.A. BADEAUX, JR
REG. No. 8764
REGISTERED PROFESSIONAL ENGINEER IN ENGINEERING

PROJECT NO. 2180
FILE NAME: 2180SS
PLOT SCALE: 1=32

GREATER LAFOURCHE PORT COMMISSION

CHEVRON CANAL BRIDGE REPAIR AND REINFORCEMENT

DATE	ISSUE
1/13/99	CONSTRUCTION

DRAWN BY: mjb
CHECKED BY: JAB
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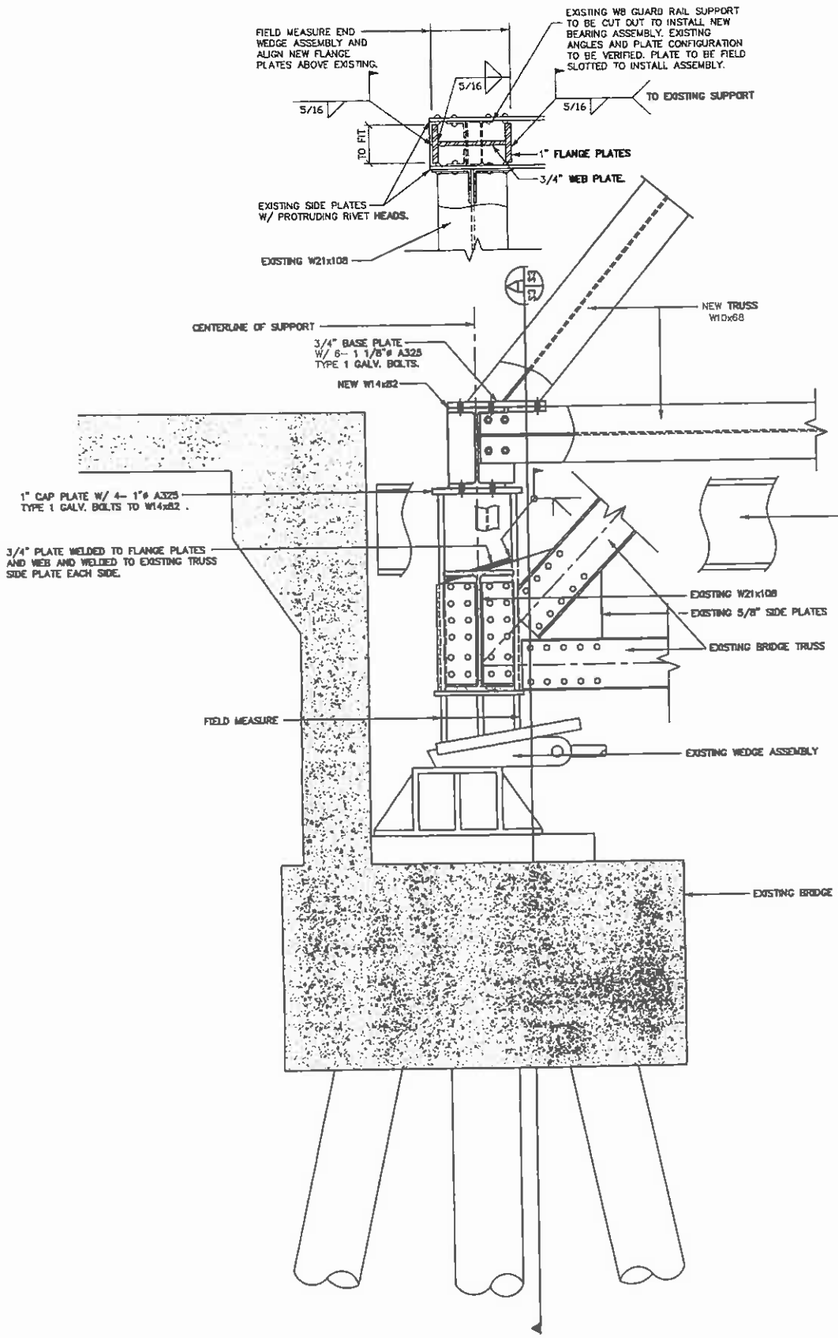
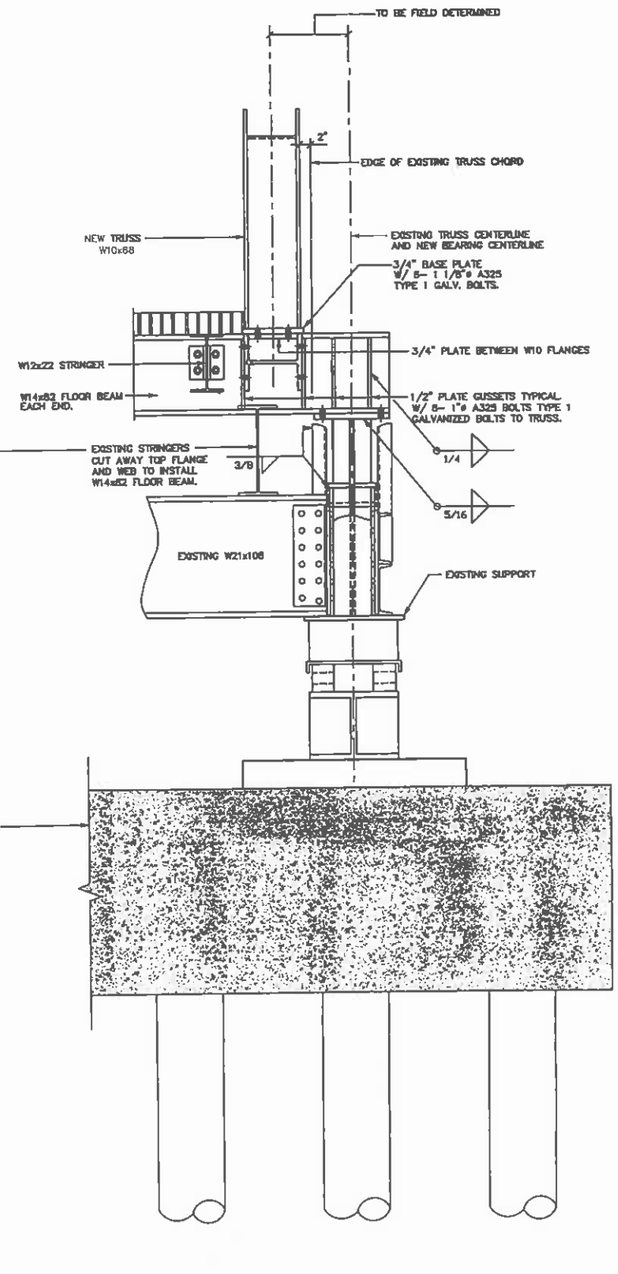
SHEET NO.
2
2 OF 7



NEW TRUSS
BRIDGE END BEARING DETAIL
1" = 1'-0"



NEW TRUSS
A S3|S3 SECTION AT END BEARING DETAIL
1" = 1'-0"

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PROJECT NO. 2180
FILE NAME: 2180S3
PLOT SCALE: 1=12

GREATER LAFOURCHE PORT COMMISSION

CHEVRON CANAL BRIDGE REPAIR AND REINFORCEMENT

DATE 1/13/98
ISSUE CONSTRUCTION

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CHECKED BY: JMB
DATE: 1/13/98

SHEET NO.
3
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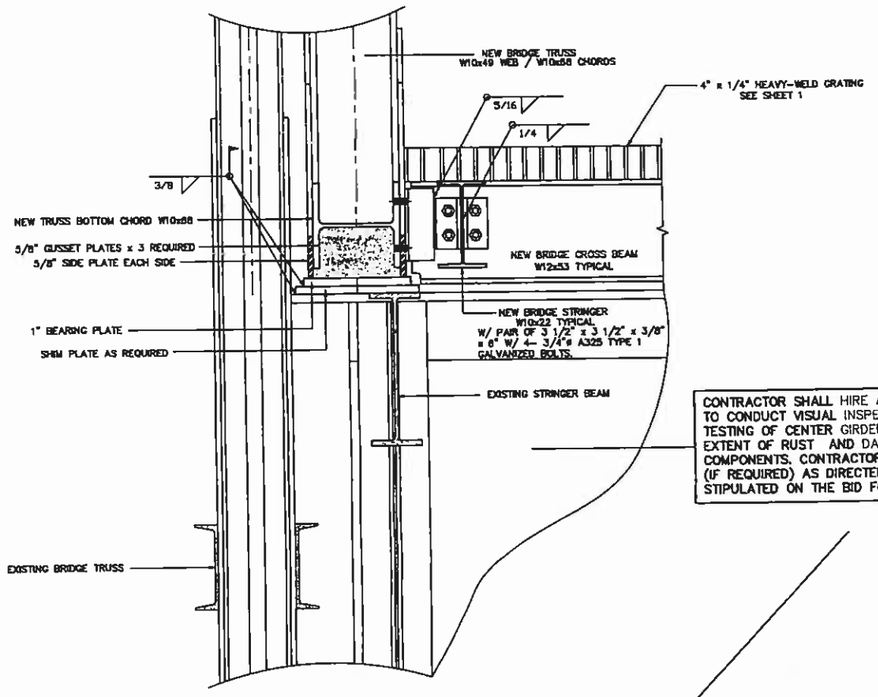
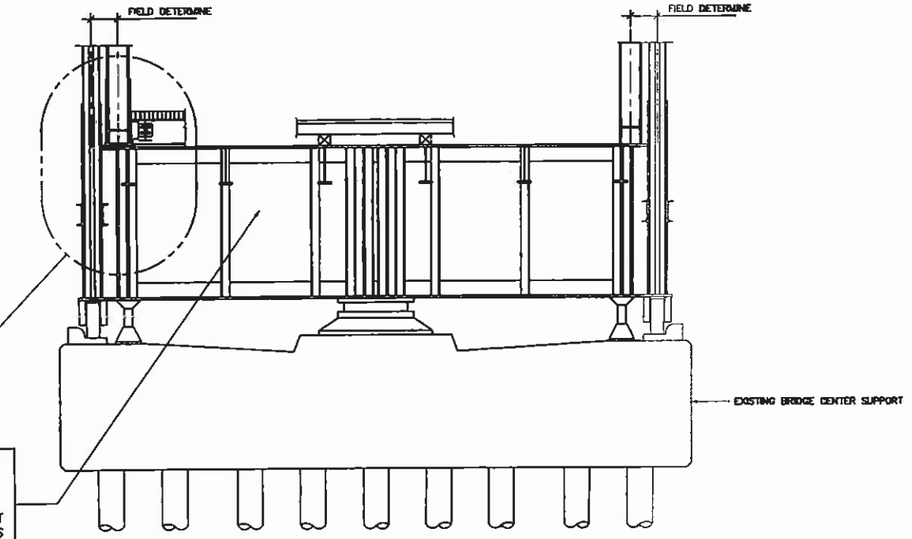
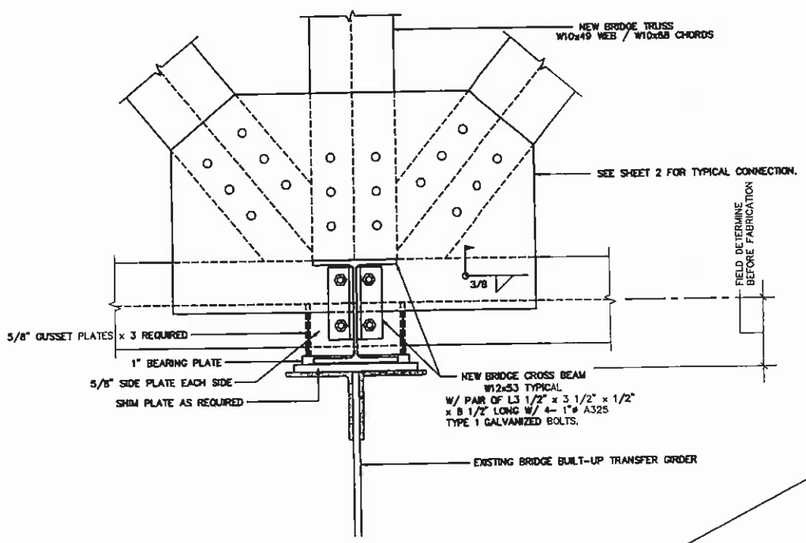


CONNECTION DETAIL
1 1/2" = 1'-0"

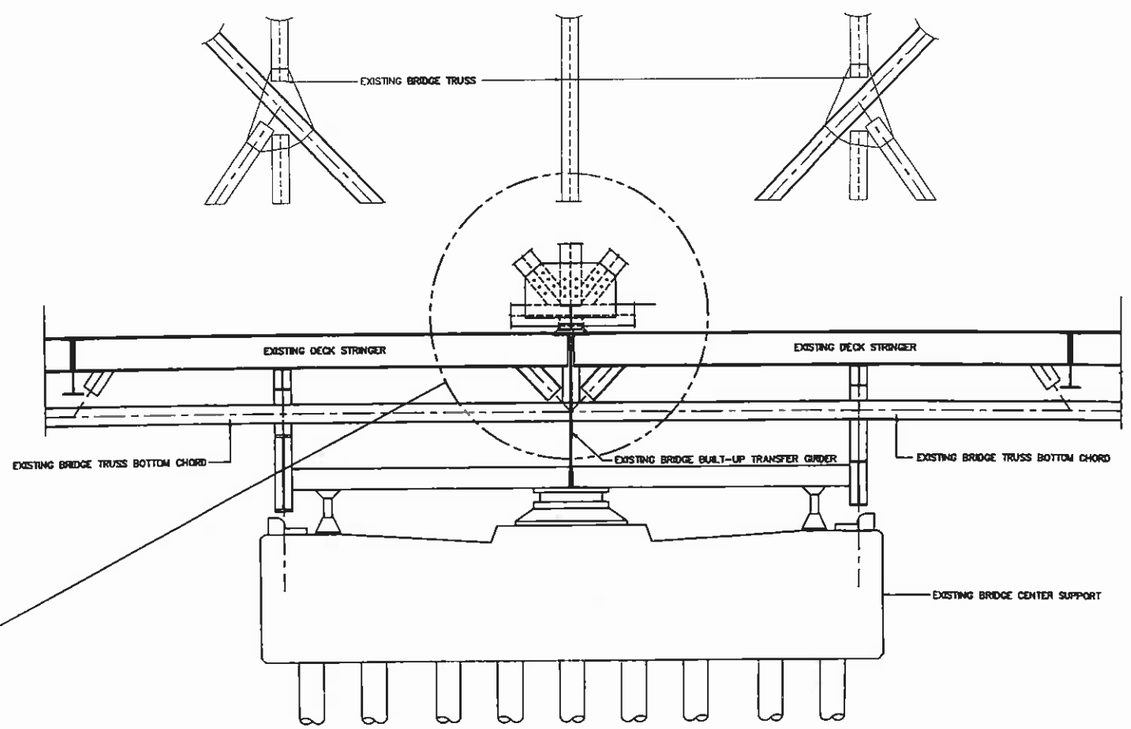
CONTRACTOR SHALL HIRE A TESTING LABORATORY TO CONDUCT VISUAL INSPECTION AND NON-DESTRUCTIVE TESTING OF CENTER GIRDER AS REQUIRED TO DESCRIBE EXTENT OF RUST AND DAMAGE TO EXISTING STEEL COMPONENTS. CONTRACTOR SHALL INSTALL REINFORCEMENT (IF REQUIRED) AS DIRECTED BY ENGINEER FOR UNIT PRICES STIPULATED ON THE BID FORM.



TRANSVERSE SECTION AT CENTER SUPPORT
3/8" = 1'-0"



CONNECTION DETAIL
1 1/2" = 1'-0"



LONGITUDINAL SECTION AT CENTER SUPPORT
3/8" = 1'-0"

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REG. No. 8714
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IN
STATE OF LOUISIANA

PROJECT NO: 2180
FILE NAME: 2180B4
PLOT SCALE: 1=32

GREATER LAFOURCHE PORT COMMISSION

CHEVRON CANAL BRIDGE REPAIR AND REINFORCEMENT

DATE	ISSUE
1/19/99	CONSTRUCTION

DRAWN BY: mjb
CHECKED BY: JAB
DATE: 1/15/99

SHEET NO.
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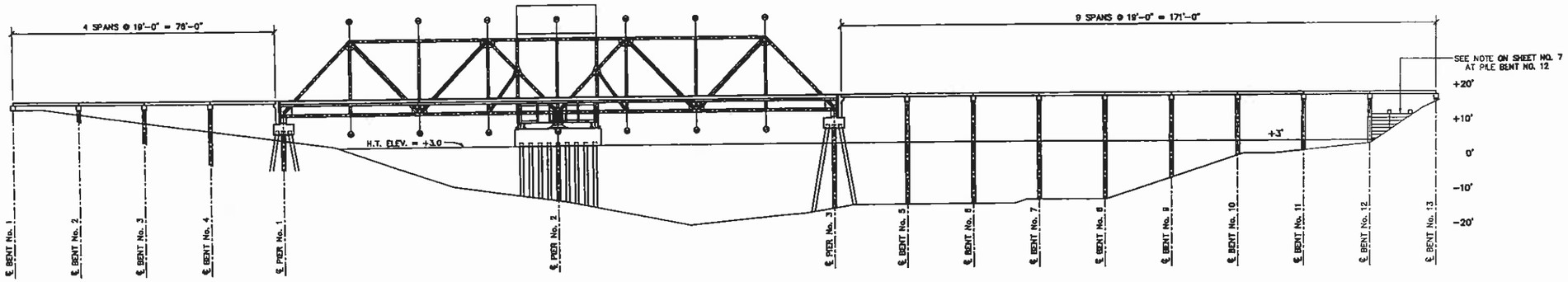
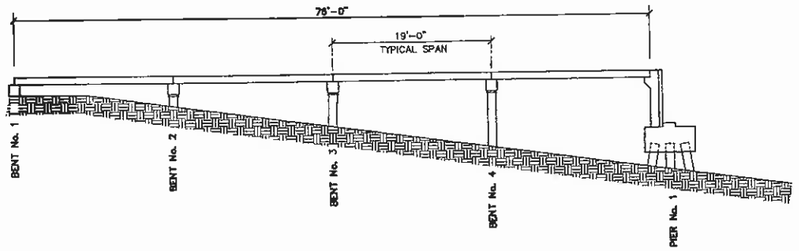
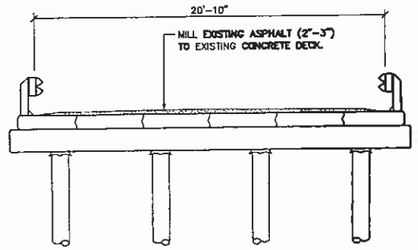


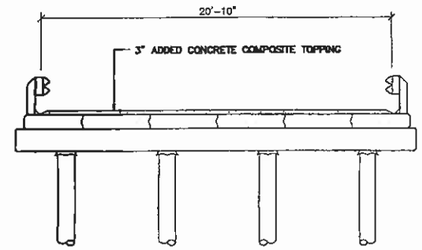
BRIDGE ELEVATION
1/16" = 1'-0"



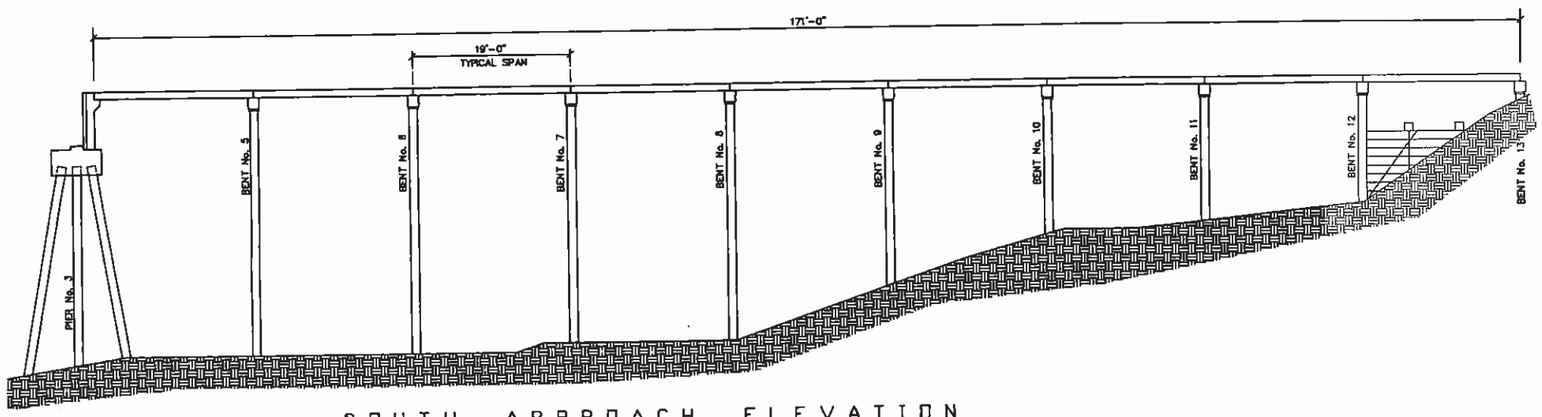
NORTH APPROACH ELEVATION
1/8" = 1'-0"



EXISTING BRIDGE APPROACH SECTION
1/4" = 1'-0"



UPGRADED BRIDGE APPROACH SECTION
1/4" = 1'-0"



SOUTH APPROACH ELEVATION
1/8" = 1'-0"

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PROJECT NO: 2180
FILE NAME: 2180SS
PLOT SCALE: 1=96

GREATER LAFOURCHE PORT COMMISSION

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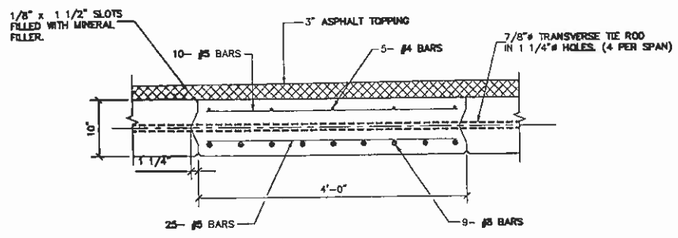
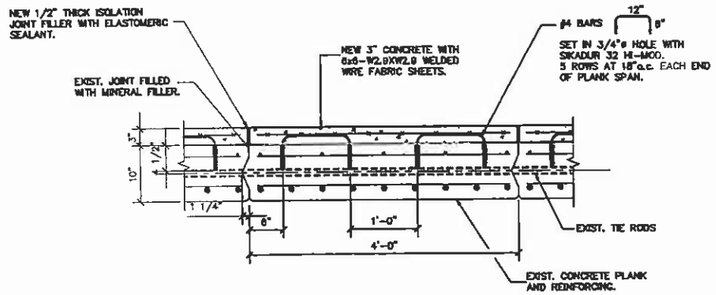
CONCRETE PLANK TOPPING – SURFACE PREPARATION NOTES:

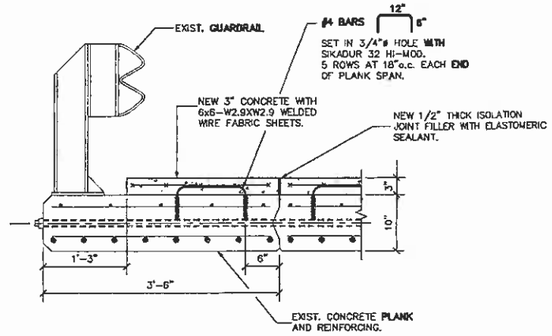
1. MILL OFF EXISTING 2" TO 3" THICK ASPHALT TOPPING.
2. MILL EXISTING CONCRETE SURFACE AND FOLLOW WITH ABRASIVE BLASTING TO ACHIEVE A FINAL SURFACE PROFILE VARIATION OF 1/4".
3. CHECK PREPARED CONCRETE SURFACE FOR DELAMINATIONS BY SOUNDING. NOTIFY ENGINEER OF ANY DELAMINATIONS.
4. WASH AND BRUSH SURFACE WITH SOLVENTS AS NECESSARY TO REMOVE SURFACE OIL AND ASPHALT EMULSION.
5. WITHIN 24 HOURS OF PLACEMENT OF TOPPING, THE CONCRETE SURFACE SHALL RECEIVE A SWEEP WATERBLAST TO REMOVE LAITANCE.
6. BRUSH CONCRETE SURFACE WITH A CEMENT GROUT IMMEDIATELY PRIOR TO PLACING TOPPING.



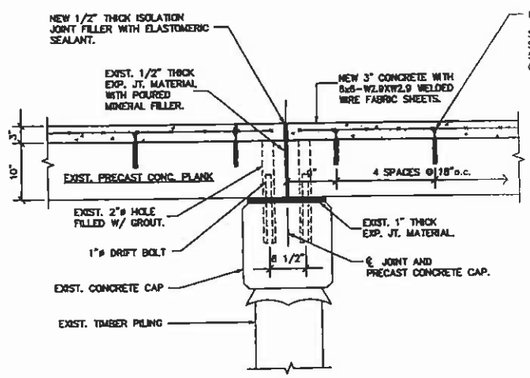
TYPICAL EXISTING PRECAST CONCRETE PLANK
1" = 1'–0"



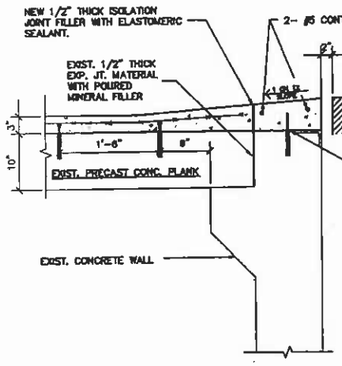
NEW CONCRETE TOPPING – INTERIOR PLANK
1" = 1'–0"



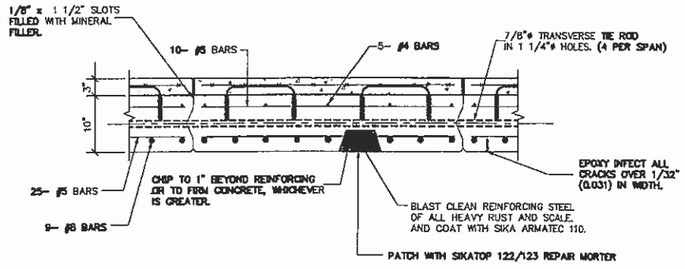
NEW CONCRETE TOPPING – EXTERIOR PLANK
1" = 1'–0"



CONNECTION DETAIL AT CONCRETE CAP
1" = 1'–0"

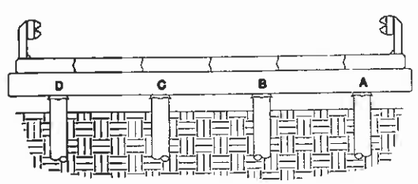


CONNECTION DETAIL AT SWING SPAN
1" = 1'–0" X 2 OPPOSITE SIDE

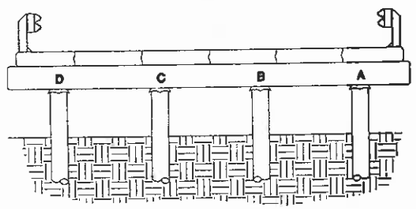


CONCRETE PLANK SOFFIT REPAIR
1" = 1'–0"

BASE BID SHALL INCLUDE PATCH REPAIR ON 30 FEET OF RE–BAR AND EPOXY INJECTION OF 30 FEET OF CRACKS



PILE BENT No. 1
1/4" = 1'–0"



PILE BENT No. 2
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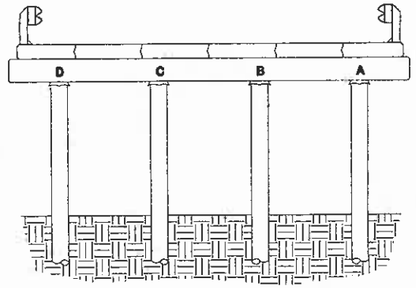
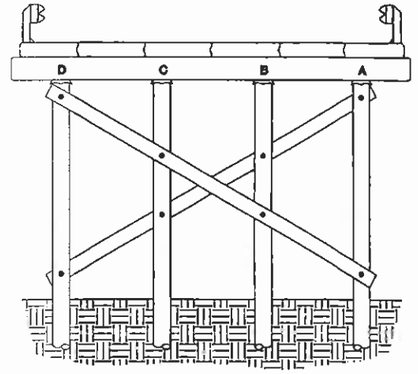


PILE BENT No. 3
1/4" = 1'–0"



PILE BENT No. 4
1/4" = 1'–0"

NOTE

PILE BENTS AND PILE DESIGNATIONS ARE SHOWN FOR GENERAL REFERENCE. ALL FACING NORTH. CONTRACTOR SHALL COAT ALL TIMBER PILES ABOVE MUD / WATER LINE WITH KARNAL No. 63 FIBERATED DAMPROOFING MASTIC OR AN APPROVED SUBSTITUTE. AFTER REMOVING ALL LOOSE TIMBER AND FOREIGN PARTICLES, APPLY MASTIC BY BRUSH OR SPRAY TO FILL AND SEAL CHECKS AND SPLITS AND TO OBTAIN A SMOOTH UNIFORM FILM AT THE RATE OF 1 GALLON PER 8 LINEAR FEET OF PILE. APPLY MASTIC IN DRY WEATHER ON DRY SURFACE.

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PROJECT NO. 2180
FILE NAME: E18CB3
PLOT SCALE: 1=96

GREATER LAFOURCHE PORT COMMISSION

CHEVRON CANAL BRIDGE REPAIR AND REINFORCEMENT

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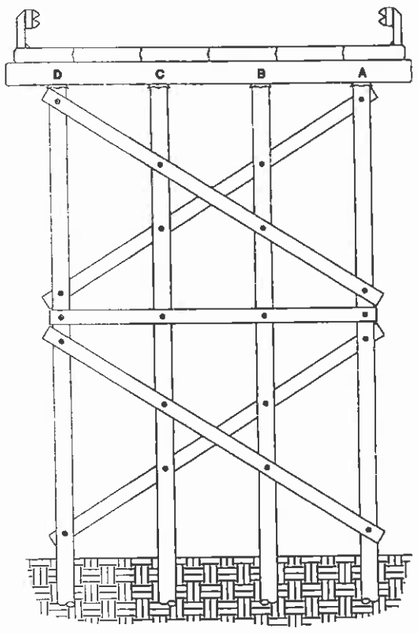
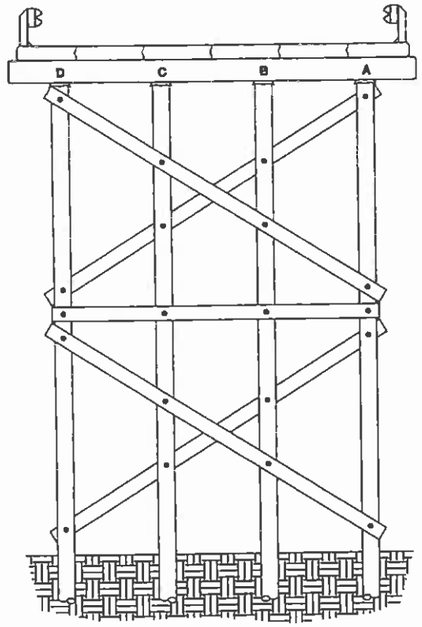
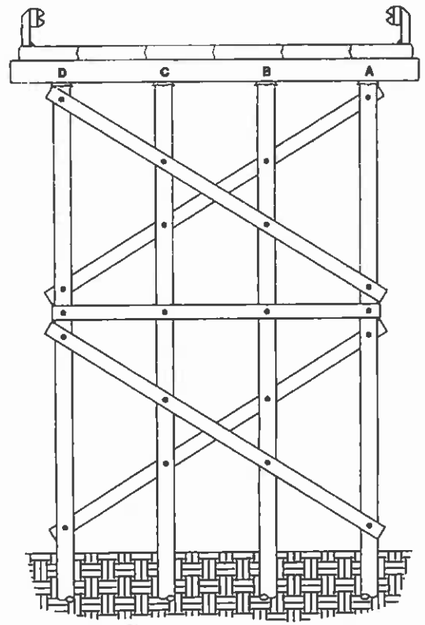
SHEET NO.
6
6 OF 7



PILE BENT No. 5
1/4" = 1'-0"



PILE BENT No. 6
1/4" = 1'-0"



PILE BENT No. 7
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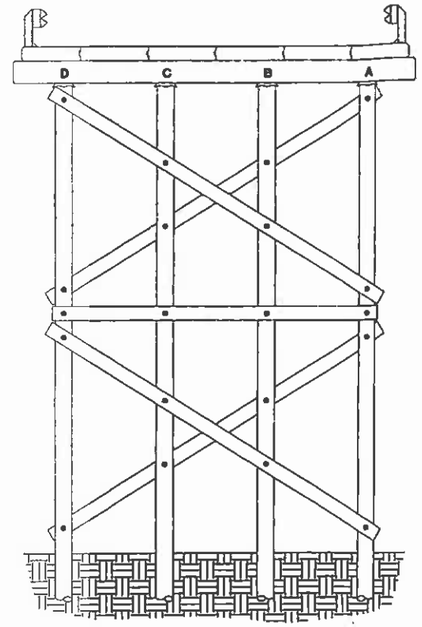
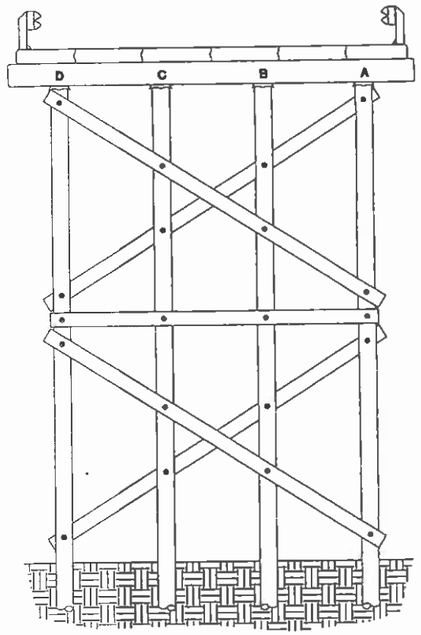
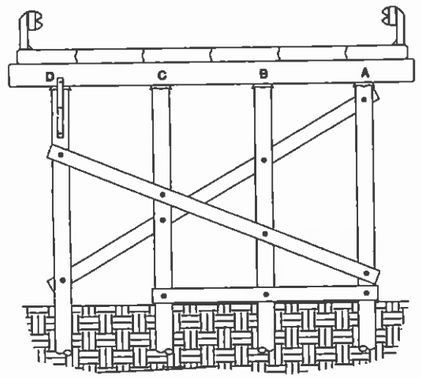


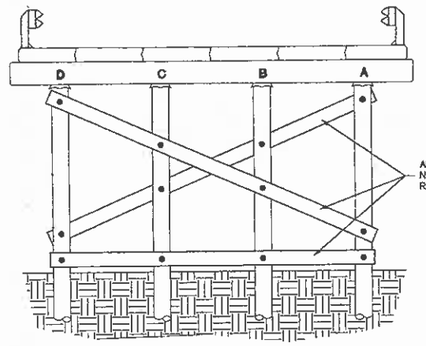
PILE BENT No. 8
1/4" = 1'-0"



PILE BENT No. 9
1/4" = 1'-0"

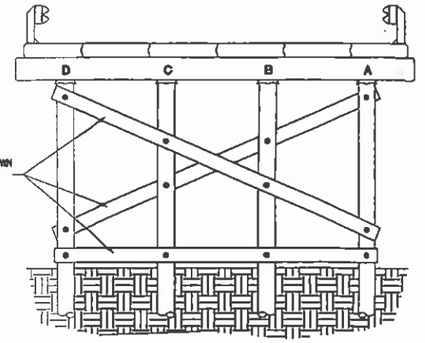


PILE BENT No. 10
1/4" = 1'-0"



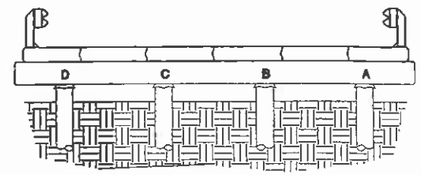
ADD 3" x 8" ROUGH SAWN No.2 SYP W/ CREOSOTE RETENTION OF 16#/CF

PILE BENT No. 11
1/4" = 1'-0"



PILE BENT No. 12
1/4" = 1'-0"

EXCAVATE FILL BEHIND TIMBER WALLS TO 1 ON 1 SLOPE TO RELIEVE LATERAL PRESSURE AGAINST FILES.



PILE BENT No. 13
1/4" = 1'-0"

BADEAUX ENGINEERS
INCORPORATED
CONSULTING ENGINEERS
STRUCTURAL / CIVIL
115 EAST 6TH STREET 70301
POST OFFICE BOX 1066 70302
504-447-3317 THIBODAUX, LA.

STATE OF LOUISIANA
MARK BADEAUX, JR.
REG. No. 19764
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

PROJECT NO: 2180
FILE NAME: SHEET7
PLOT SCALE: 1=48

GREATER LAFOURCHE PORT COMMISSION

CHEVRON CANAL BRIDGE REPAIR AND REINFORCEMENT

DATE	ISSUE
1/15/99	CONSTRUCTION

DRAWN BY: mjb
CHECKED BY: MB
DATE: 1/15/99

SHEET NO.
7
7 OF 7