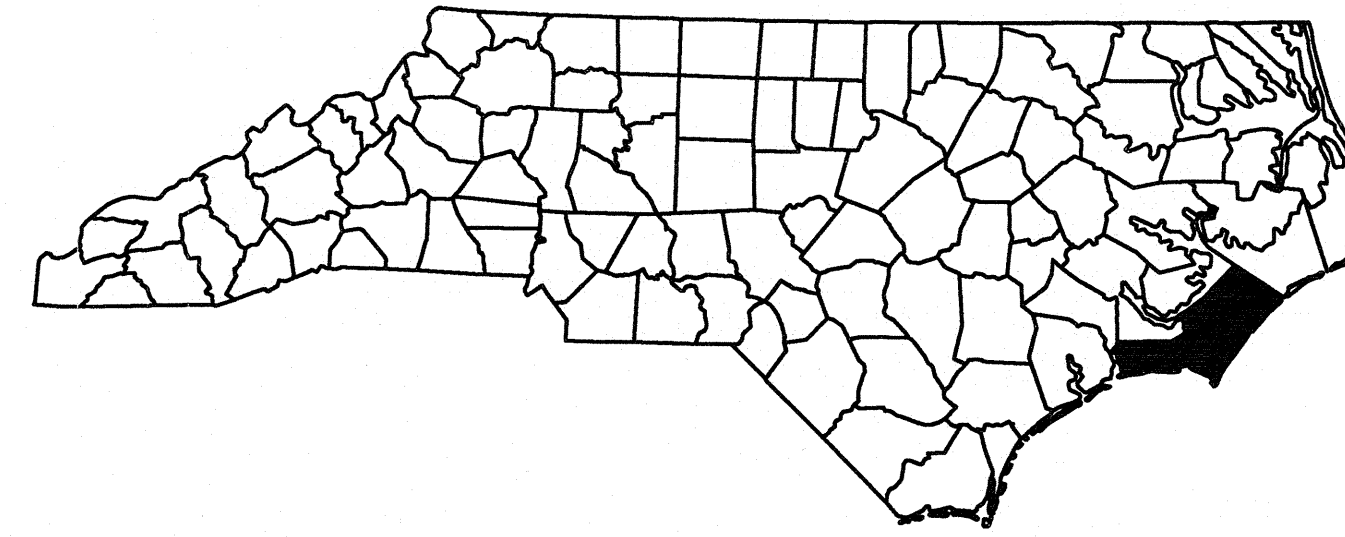
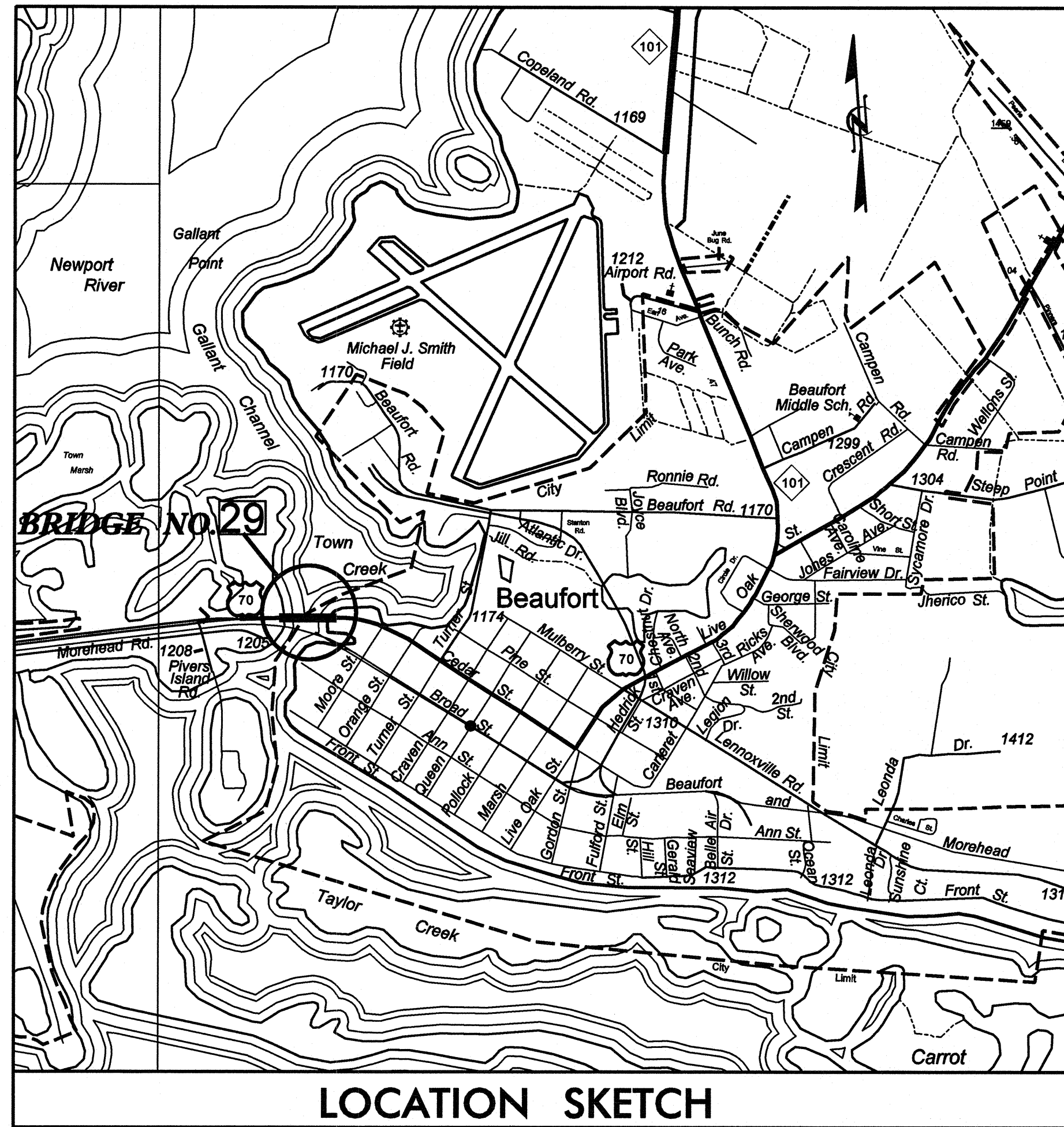


WBS: 41732.4 TIP PROJECT: F-150029



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

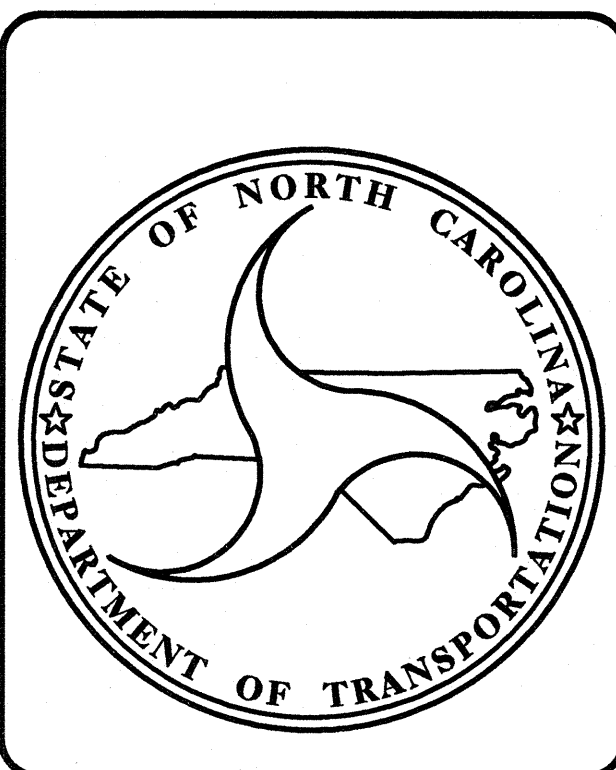
CARTERET COUNTY

LOCATION: BRIDGE NO. 29, US 70 @ BEAUFORT
PROJECT: BEAUFORT DRAW BRIDGE
TYPE OF WORK: REPAIR OF EXISTING FENDER SYSTEM

SHEET #1 TITLE SHEET
SHEET #2 PLAN VIEW & ELEVATION
SHEET #3 FENDER SYSTEM LAYOUT PLAN
SHEET #4 PILE SPACING & SECTIONS LAYOUT
SHEET #5 TIMBER FACING - 1 WEST THRU 6 WEST

SHEET #6 TIMBER FACING - 7 WEST THRU 12 WEST
SHEET #7 TIMBER FACING - 13 W & 1 EAST THRU 5 EAST
SHEET #8 TIMBER FACING - 6 EAST THRU 10 EAST
SHEET #9 TYPICAL SECTIONS
SHEET #10 WALKWAY & SIGN DETAILS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	F-150029	1	10
STATE PROJECT NO.	F.A. PROJ. NO.	DESCRIPTION	
34528.1.1	STPNHS-0070(43)	PE	
34528.3.4	STPNHS-0070(133)	CONST.	



DESIGN DATA

PROJECT LENGTH

Prepared for the North Carolina Department
of Transportation in the Office of:
WETHERILL ENGINEERING
 559 JONES FRANKLIN ROAD
SUITE 154
Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8027
 License No. F-0377

2006 STANDARD SPECIFICATIONS

LETTING DATE:
JUNE 30, 2011

NCDOT CONTACT:

EDWARD G. WETHERILL, PE
PROJECT ENGINEER

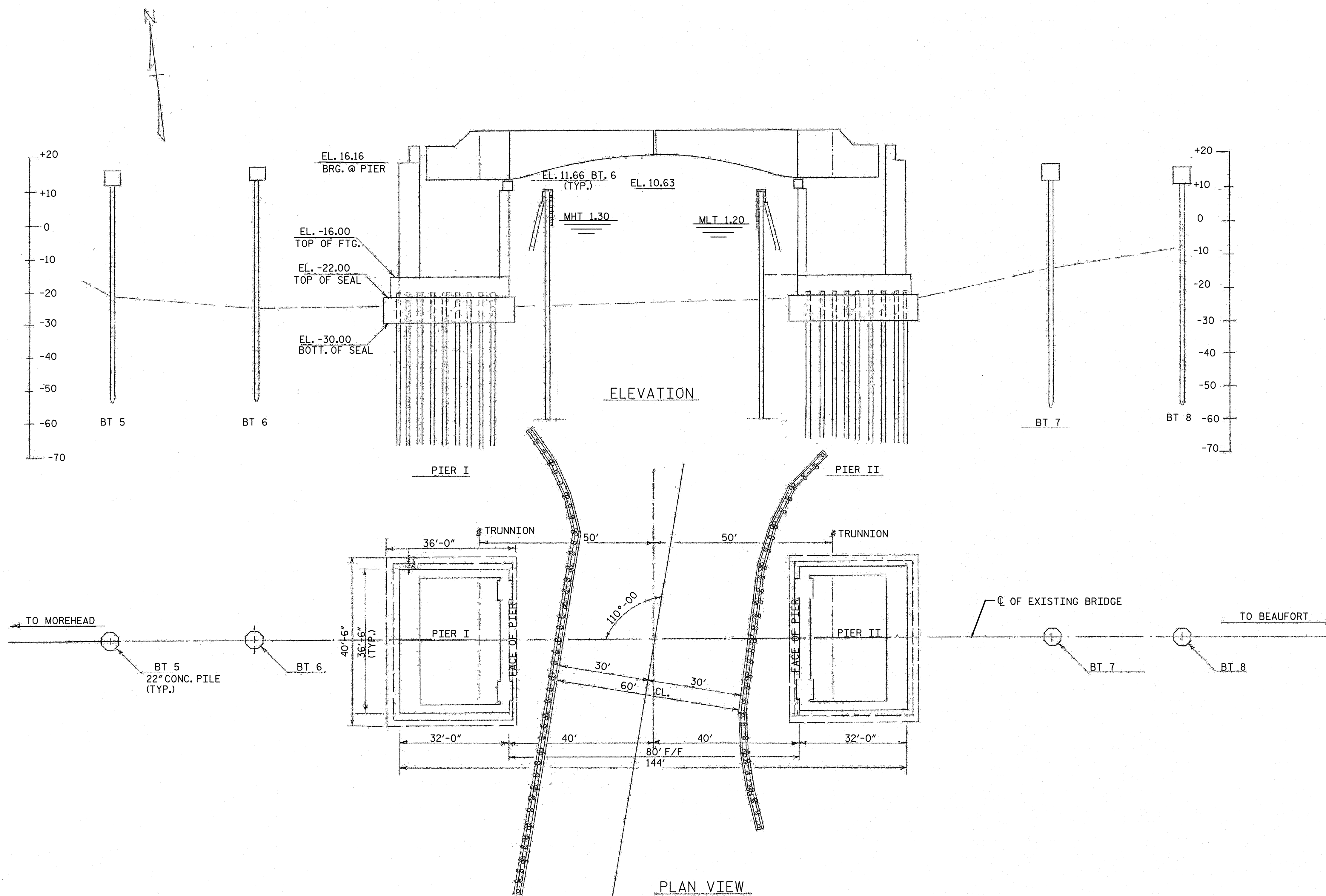
MIKE SUMMERS
BRIDGE MANAGEMENT
PROJECT MANAGER

F. F. Mehf

 3/04/11

FRED MEHFAR, PE
PROJECT DESIGN ENGINEER

GENERAL NOTES:
 FOR U.S. COAST GUARD NOTIFICATION, SEE PROJECT SPECIAL PROVISIONS FOR "COORDINATION WITH THE U.S. COAST GUARD."
 * FOR NAVIGATIONAL LIGHTING, SEE SPECIAL PROVISIONS, "COORDINATION WITH THE U.S. COAST GUARD"
 FOR SECURING OF VESSELS, SEE THE PROJECT SPECIAL PROVISIONS.
 FOR CRANE SAFETY, SEE THE PROJECT SPECIAL PROVISIONS.
 FOR REMOVAL OF EXISTING FENDER SYSTEM, SEE THE PROJECT SPECIAL PROVISIONS.
 FOR PILE DRIVING EQUIPMENT DATA SUBMITTAL, SEE THE PROJECT SPECIAL PROVISIONS FOR "SUBMITTAL OF WORKING DRAWING".
 ALL THE REPLACEMENT MEMBERS SHALL BE NEW.
 ALL THE BOLTS, WASHER, NUTS, AND ALL OTHER HARDWARE SHALL BE GALVANIZED AND SHALL BE GRADE A-307.
 GALVANIZING SHALL BE DONE IN ACCORDANCE WITH SECTION 1076 OF NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JULY 2006.
 ALL O.G. WASHERS SHALL CONFIRM TO ASTM A47 CLASS 30.
 ALL TREATED LUMBER SHALL CONFIRM TO SECTION 1082 OF THE STANDARD SPECIFICATIONS OR AS NOTED ON THE PLANS.
 WIRE ROPE FOR PILE CLUSTERS SHALL BE CLASS 6x19 FIBER CORED.
 THE CONTRACTOR RELOCATE THE CLEARANCE MARKERS AT BOTH ENDS OF THE FENDER SYSTEM TO THE LOCATION DESIGNATED BY THE ENGINEER.
 THE CONTRACTOR REMOVE EXISTING MESSAGE BOARDS FROM BOTH ENDS AND INSTALL NEW BASE BOARDS AS SHOWN ON S-10. ALUMINUM MESSAGE COVER SHEET FURNISHED BY NCDOT & INSTALLED BY THE CONTRACTOR.
 THE CONTRACTOR RELOCATE THE NAVIGATIONAL LIGHTING TO THE LOCATION DESIGNATED BY THE ENGINEER & PROTECT ELECTRICAL LINES TO THE LIGHTINGS FROM ANY DAMAGES.
 THE CONTRACTOR DISCONNECT THE ACCESS WALKWAY BRIDGES TO THE FENDER SYSTEM FROM MACHINERY ROOMS AND STORE ASIDE FOR LATER USE AFTER COMPLETION OF THE NEW FENDER SYSTEM. THE CONTRACTOR MAY RETROFIT THE RAILINGS ON THE ACCESS BRIDGE TO CONNECT TO THE RAILINGS ON THE WALKWAY.
 THE CONTRACTOR SHALL VISIT THE JOB SITE AND CHECK THE MATERIALS AND THE QUANTITY NEEDED TO COMPLETE ALL THE WORK IN ACCORDANCE WITH THE PLANS, PROJECT SPECIAL PROVISIONS, AND THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JULY 2006.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULFILLING ALL THE REQUIREMENTS OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JULY 2006, EXCEPT AS OTHERWISE SPECIFIED ON THE PLANS AND SPECIAL PROVISIONS.



NOTE:
 THE CONTRACTOR ATTENTION IS CALLED TO THE FACT THAT THE PROPOSED FENDER SYSTEM IS IN THE SAME LOCATION AS THE EXISTING FENDER SYSTEM. THE EXISTING FENDER SHALL BE REMOVED IN ACCORDANCE WITH THE PROJECT SPECIAL PROVISIONS FOR REMOVAL OF EXISTING FENDER SYSTEM AS NECESSARY TO AVOID INTERFERENCE WITH THE CONSTRUCTION OF THE NEW FENDER SYSTEM.

P:\2009\09119\02 Carteret #29 Fender Dsgn\Structure\DWG\sheet2.dgn
 5/9/2011 11:43:57 AM

BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL

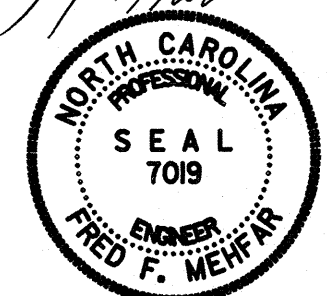
PLAN VIEW AND ELEVATION

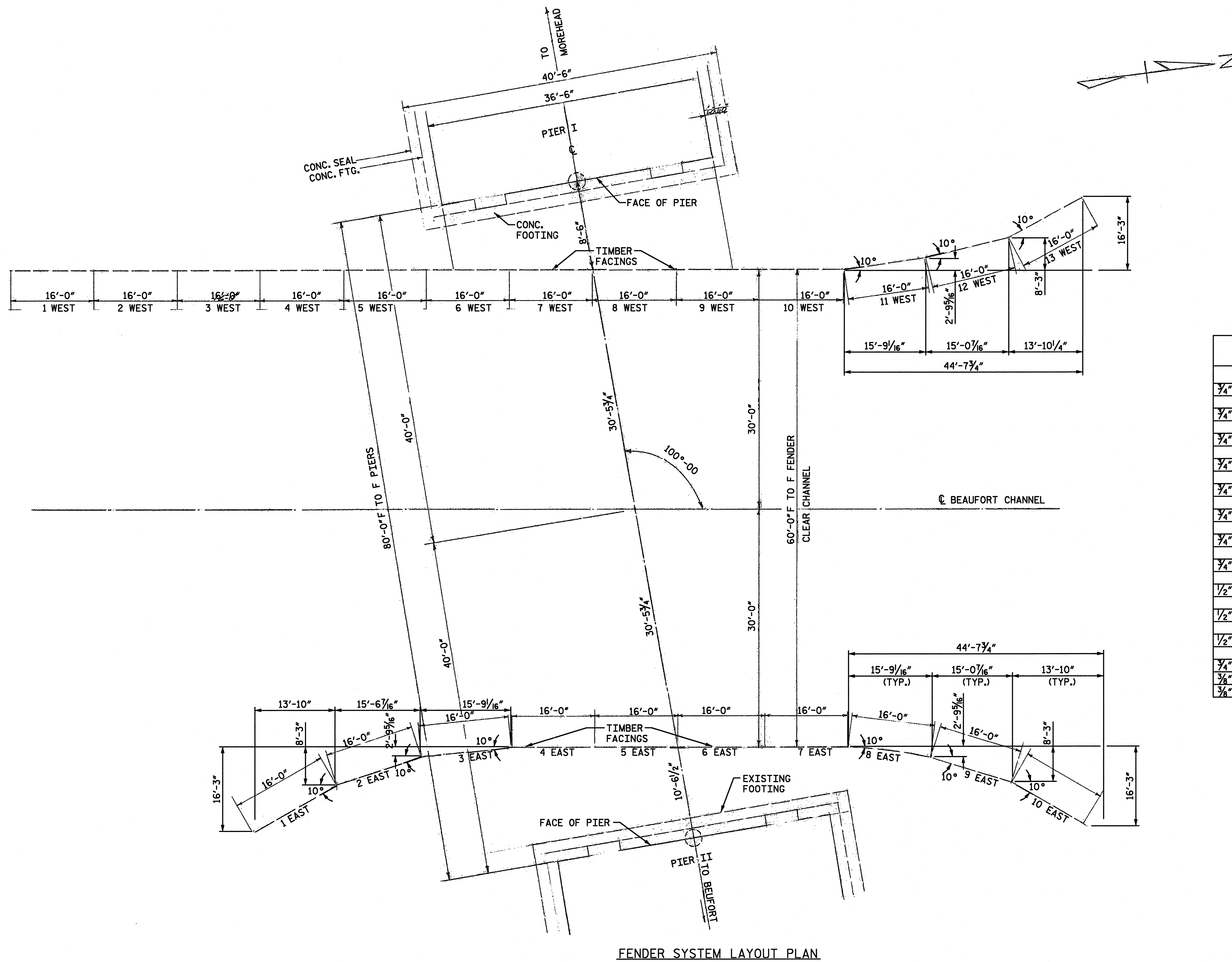

 559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 License No. F-0377

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

REVISIONS			
NO.	DATE	DESCRIPTION	BY

DATE: 2/25/09
 SCALE: NTS
 DRAWN: F MEHFAR
 CHECKED: JAD
 PROJ. NO.: 09102.02
 SHEET: 2 OF 10


 3/04/11




STRUCTURAL TIMBER FOR TIMBER FACING & SIGN BOARD					
ITEM	UNIT	LENGTH	SIZE	NO.	TOTAL
14" TIMBER PILES	LF	70'-0"	14"	200	14,000'
TIMBER WALES	LF	16'-0"	6x10	184	2,944'
WALK BOARD	LF	2'-4"	3x8	660	1,540'
SIGN BOARD					
BASE WALE	LF	10'	6x6	2	20'
DIAG. BRACING	LF	10'	3x8	2	20'
VERT. SHORE	LF	7'	4x6	4	28'
TIMBER FILLER		3'	4x6	21	63'
HORZ. WALE	LF	8'	2x8	4	32'
SHORT BRACING	LF	9'	3x8	2	18'
LONG BRACING	LF	13'	3x8	2	26'
3/4" PLYWOOD	-	8'	4x8	2	-

HARDWARE FOR TIMBER FACING & SIGN BOARDS (GALVANIZED)			
	UNIT	NO.	TOTAL LB.
3/4" x 36" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	5.66 LB.	276	1562
3/4" x 28" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	4.82 LB.	85	410
3/4" x 23" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	4.30 LB.	170	731
3/4" x 25" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	4.51 LB.	4	18
3/4" x 18" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	3.79 LB.	4	15
3/4" x 11" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	3.09 LB.	6	19
3/4" x 8" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	2.76 LB.	4	11
3/4" x 5" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	2.55 LB.	4	10
1/2" x 14" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	1.93 LB.	4	8
1/2" x 11" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	1.85 LB.	16	30
1/2" x 10" DOME HEAD BOLT W/O.G. WASHER & STD. NUT	1.75 LB.	4	7
3/4" DIA. WIRE ROPE - 6x19 FIBER CORE 55' GALV.	1.04	8	458
3/8" x 4" STAPLES - GALV.		120	250
3/8" WIRE ROPE CLIPS FFC.-450 GALV.		32	50

1/2" O.D. GALVANIZED RAILING & MISCELLANEOUS				
ITEM	UNIT	LENGTH	NO.	TOTAL
1/2" O.D. GALVANIZED PIPE	L.F.	1550	-	1550
1/2" x 4" LG. BOLT	EA.	4"	138	138
1/2" x 4 1/2" SHORT U BOLT	EA.	4 1/2"	70	70
1/2" x 11" LONG U BOLT	EA.	11"	70	70
1/2" x 3" x 6" P	EA.	6"	138	70
1/2" x 6" x 11" P	EA.	11"	69	69
L 1/2" x 4" x 8" ANGLE	EA.	12"	69	69
L 3/8" x 3" x 3" ANGLE	EA.	3"	16	16

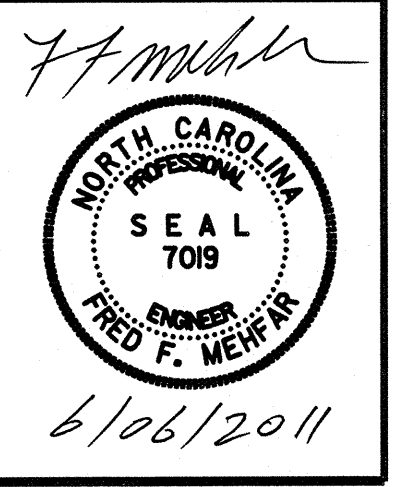
P:\2009\0911902 Carteret #29 Fender Dsgn\Structure\DWG\Sheet3.dgn
 6/6/2011 1:13:47 AM

BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL
FENDER SYSTEM LAYOUT PLAN


 559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 License No. F-0377
 TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

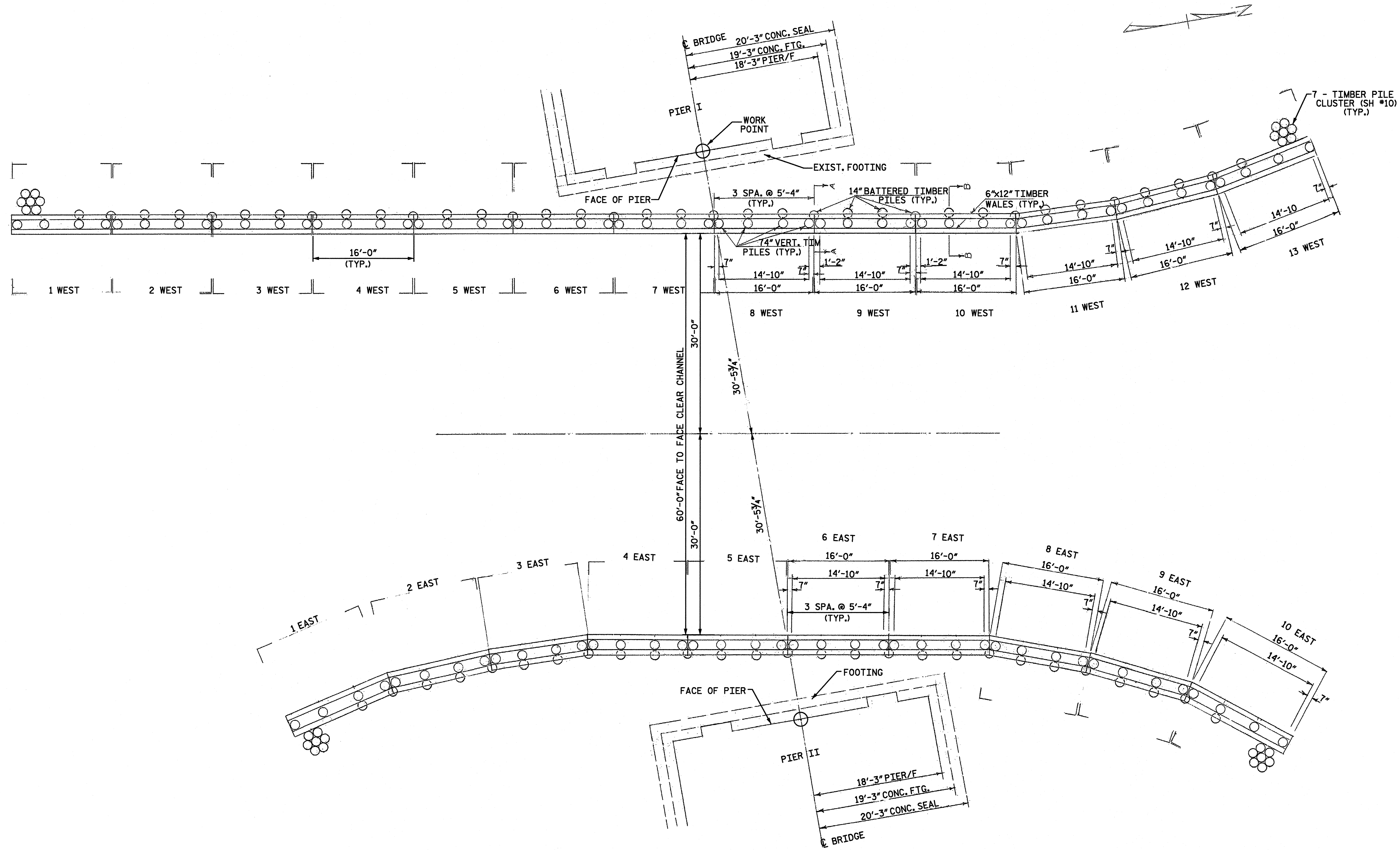
REVISIONS			
NO.	DATE	DESCRIPTION	BY

DATE: 2/25/09
 SCALE: NTS
 DRAWN: F MEHFAR
 CHECKED: JAD
 PROJ. NO.: 09102.02
 SHEET: 3 OF 10



6/06/2011

P:\2009\09119\02 Carteret #29 Fender Dsgn\Structure\DWG\Sheet4.dgn
 12/20/2010 2:28:40 PM



BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL

PILE SPACING & SECTIONS LAYOUT

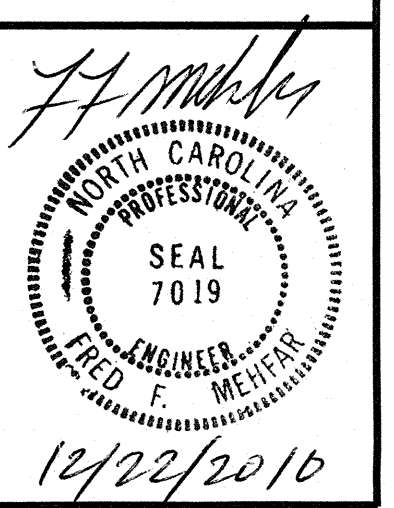


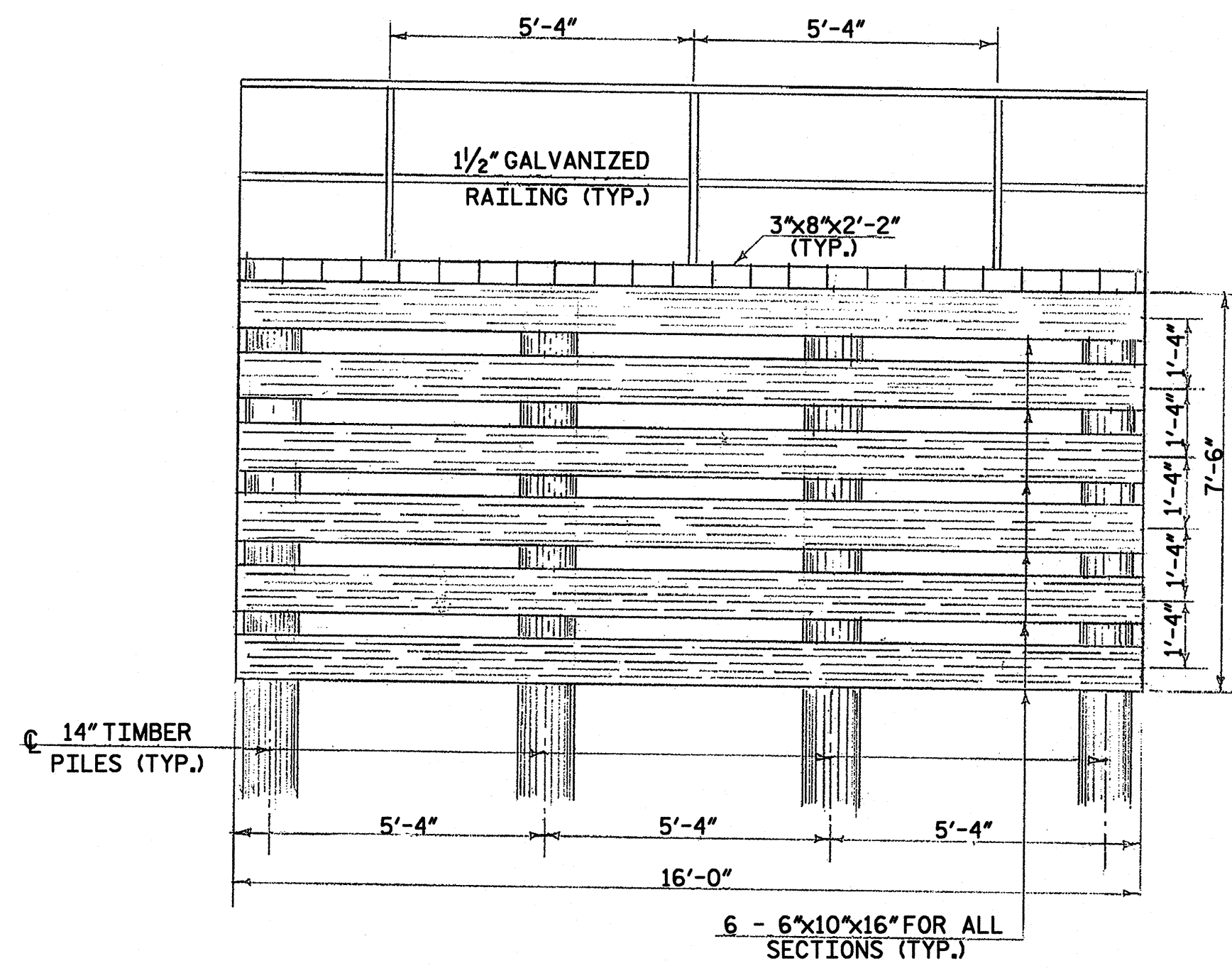
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 License No. F-0377

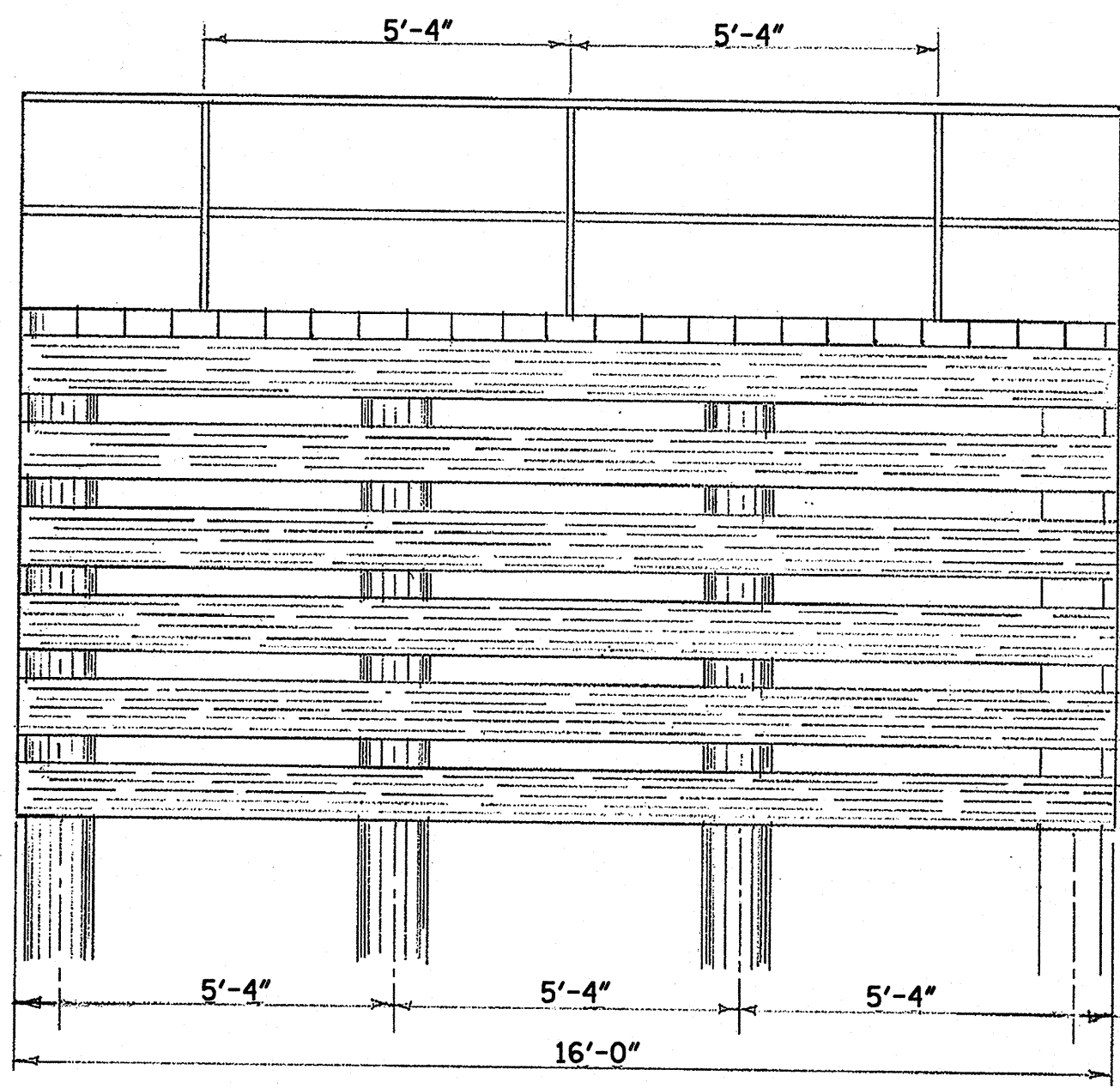
REVISIONS			
NO.	DATE	DESCRIPTION	BY

DATE: 2/25/09
 SCALE: NTS
 DRAWN: F MEHFAR
 CHECKED: JAD
 PROJ. NO.: 09102.02
 SHEET: 4 OF 10

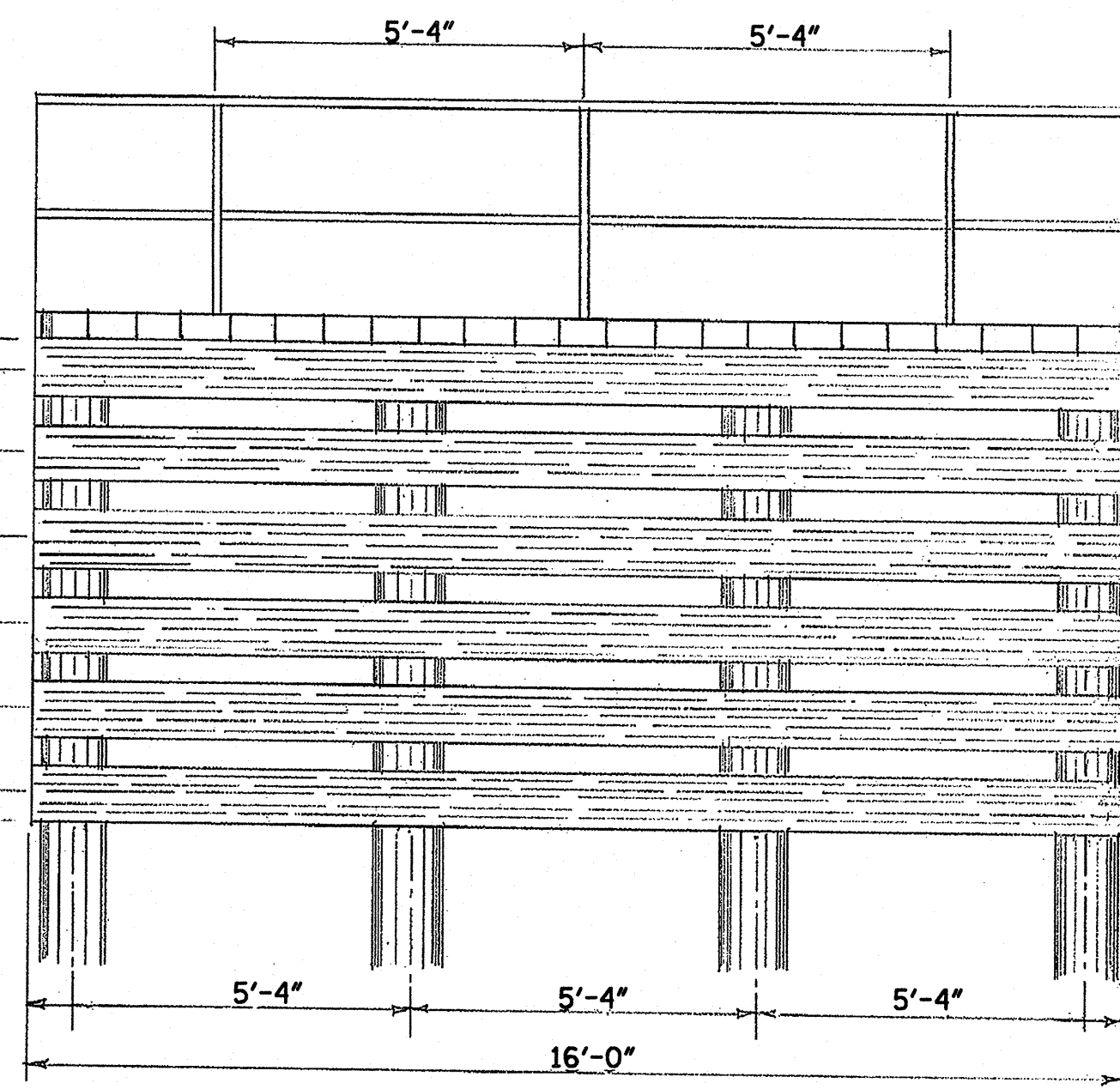




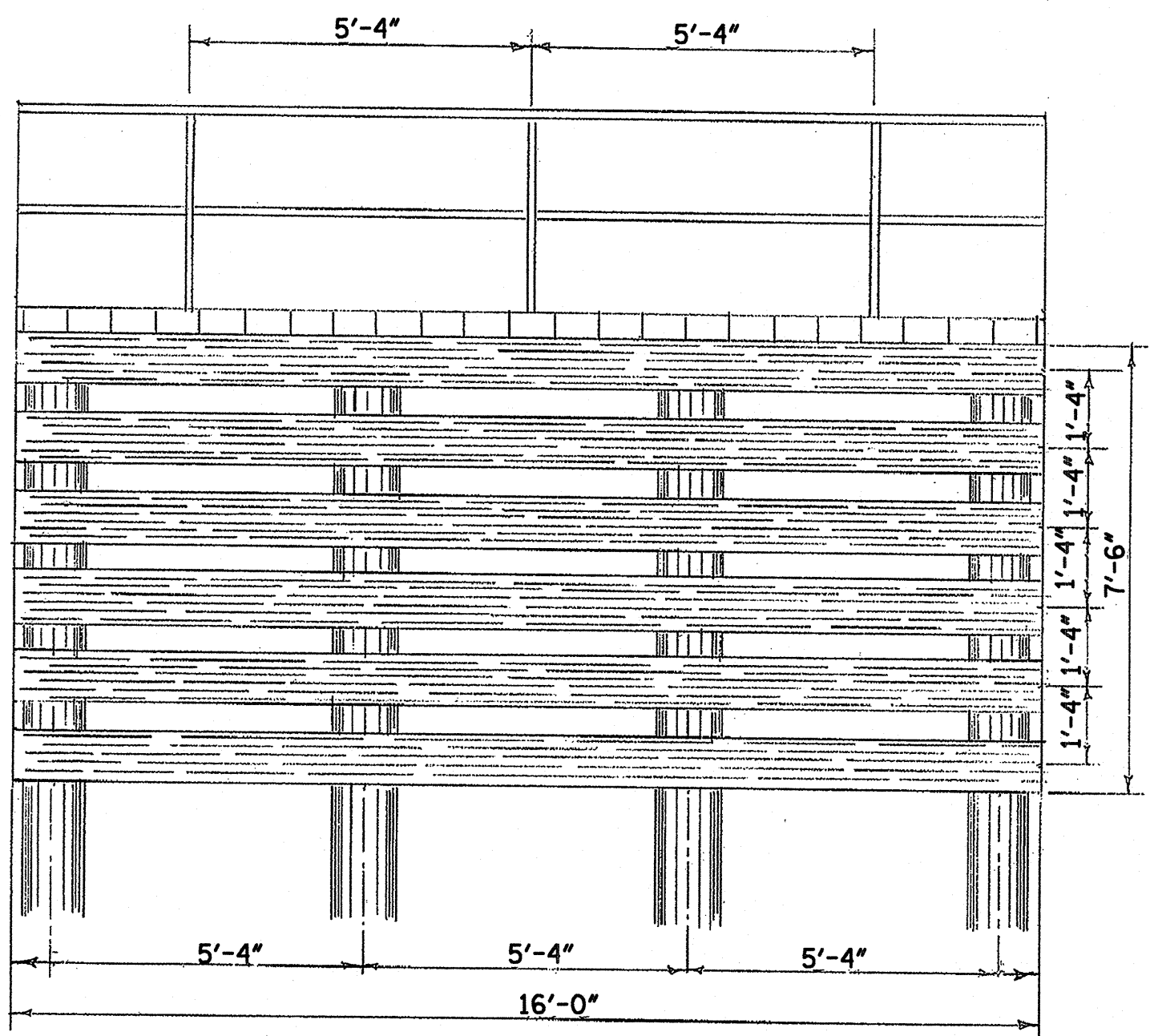
1 WEST



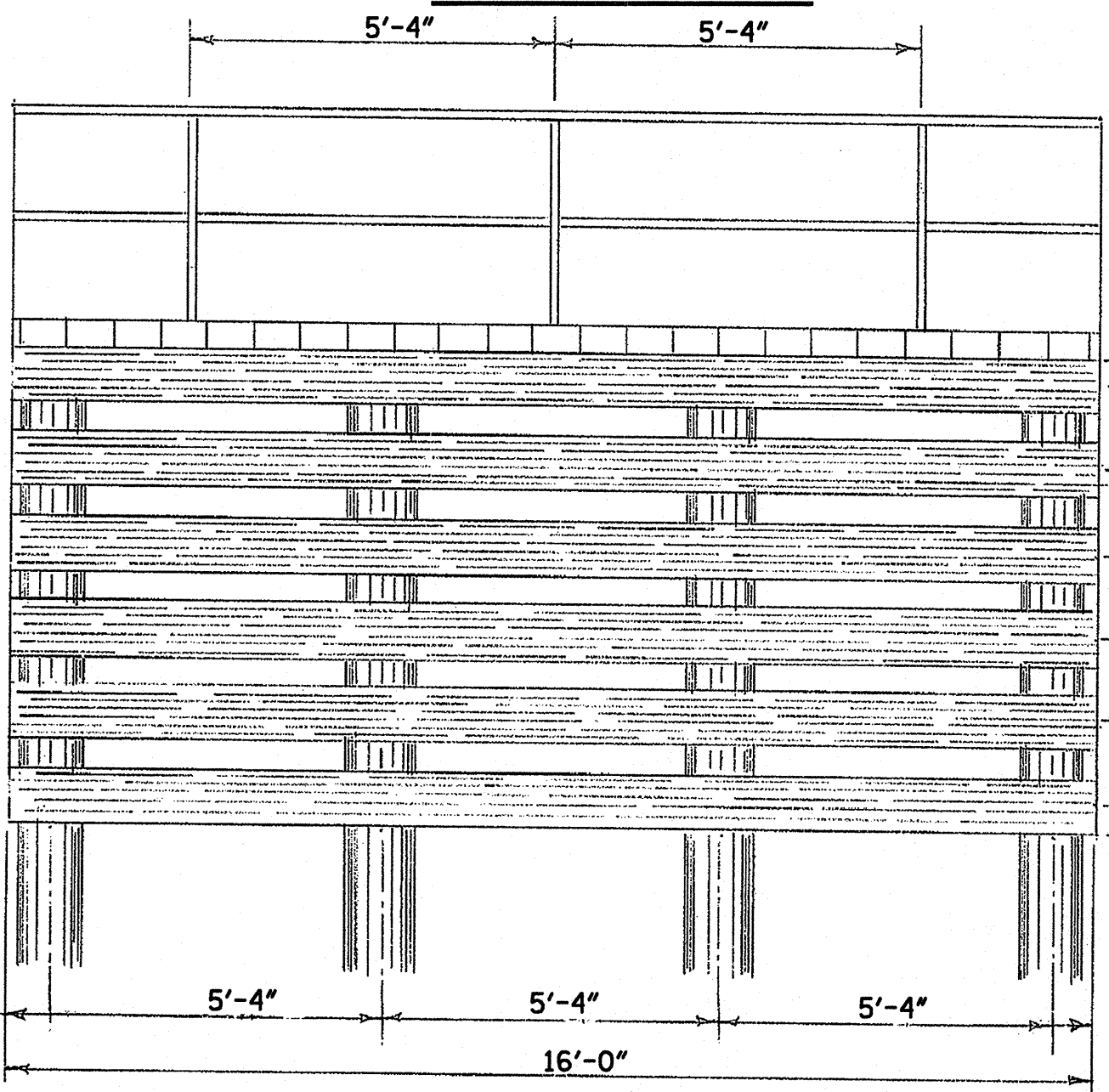
2 WEST
**TIMBER FACING
ELEVATION**



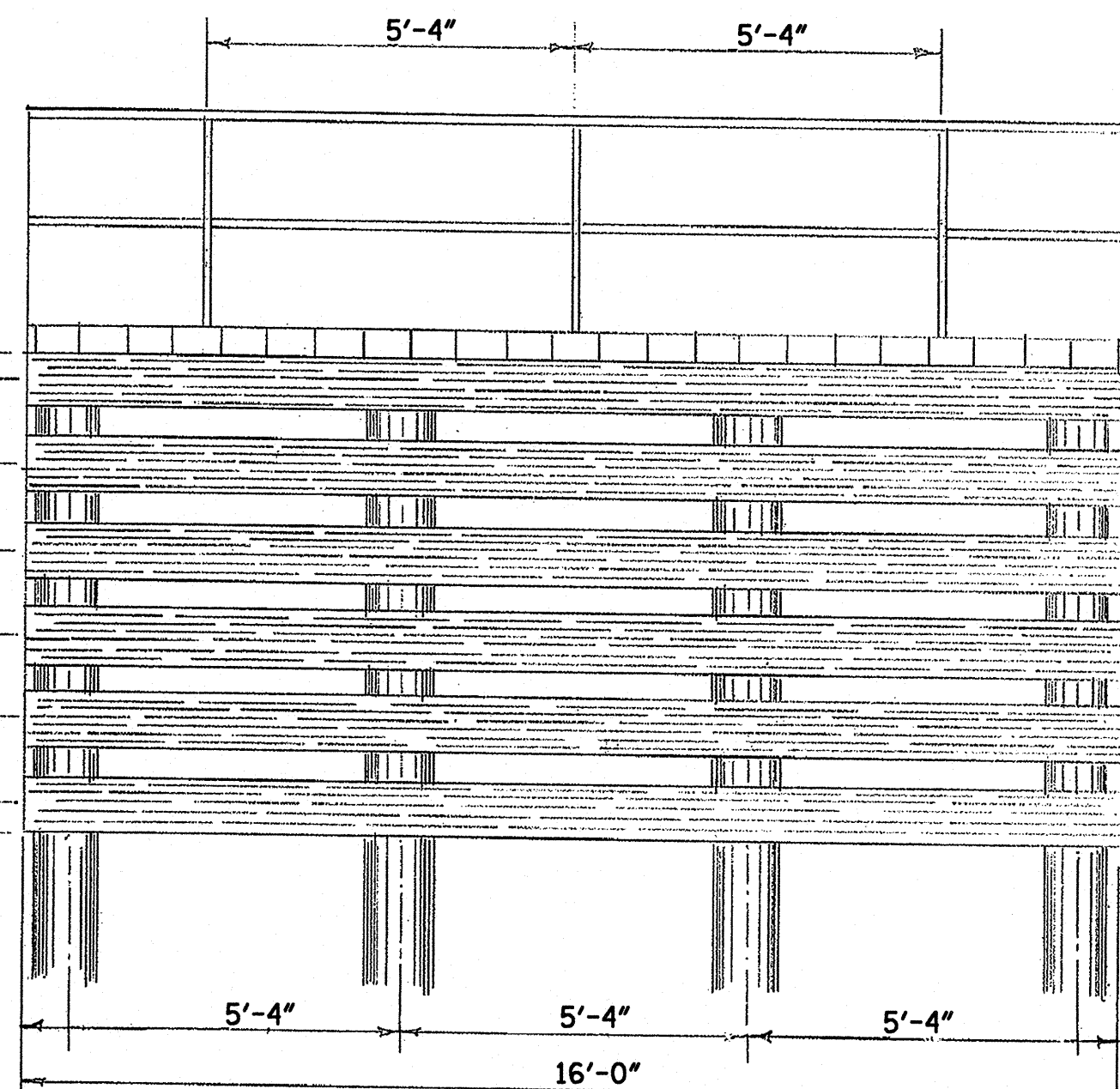
3 WEST



4 WEST



5 WEST



6 WEST

**TIMBER FACING
ELEVATION**

P:\2009\0911902 Carteret #29 Fender Dsgn\Structure\DWG\Sheet5.dgn
 12/20/2010 2:31:00 PM

BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL

TIMBER FACING - 1 WEST THRU 6 WEST

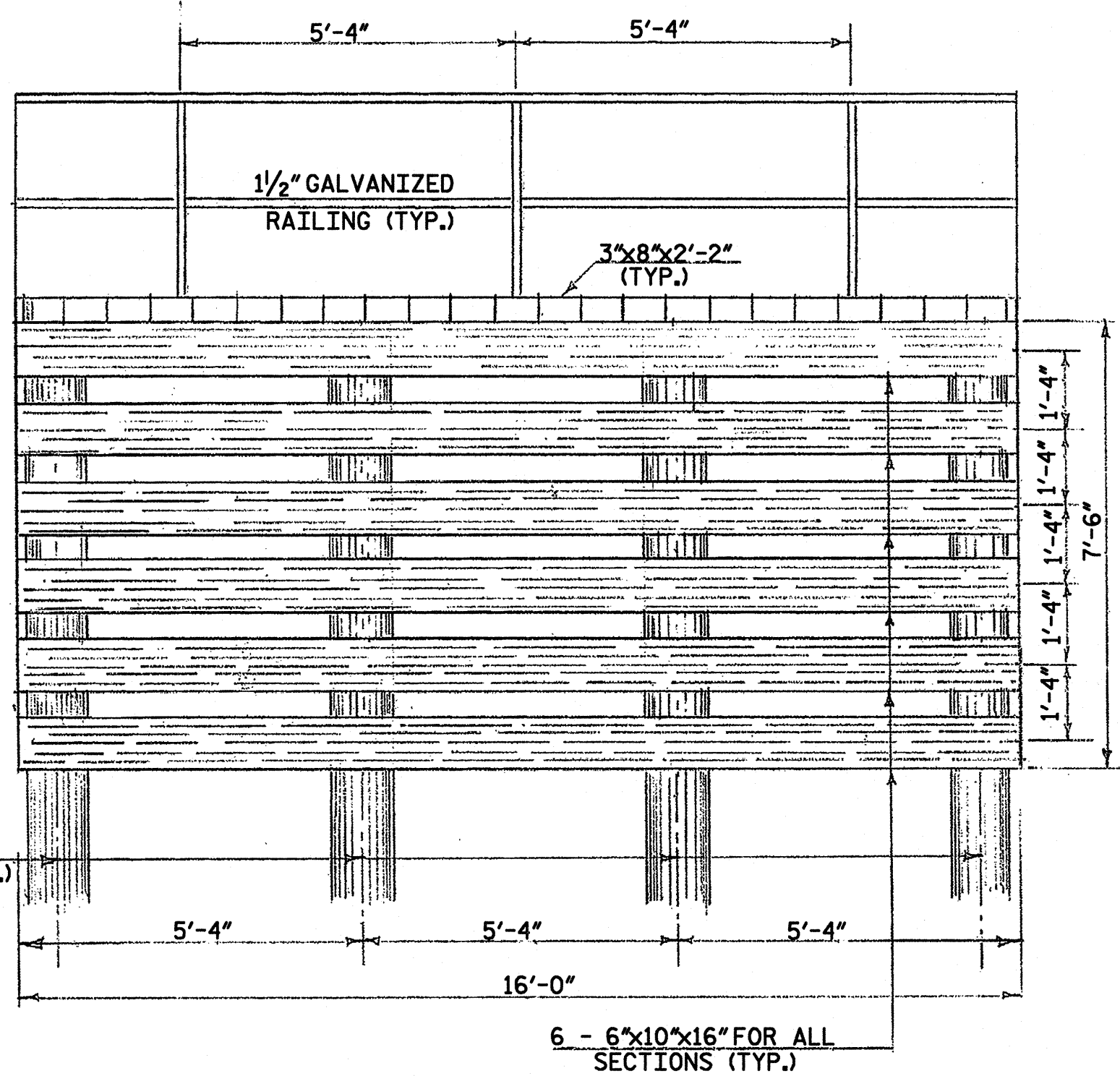
559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 License No. F-0377

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

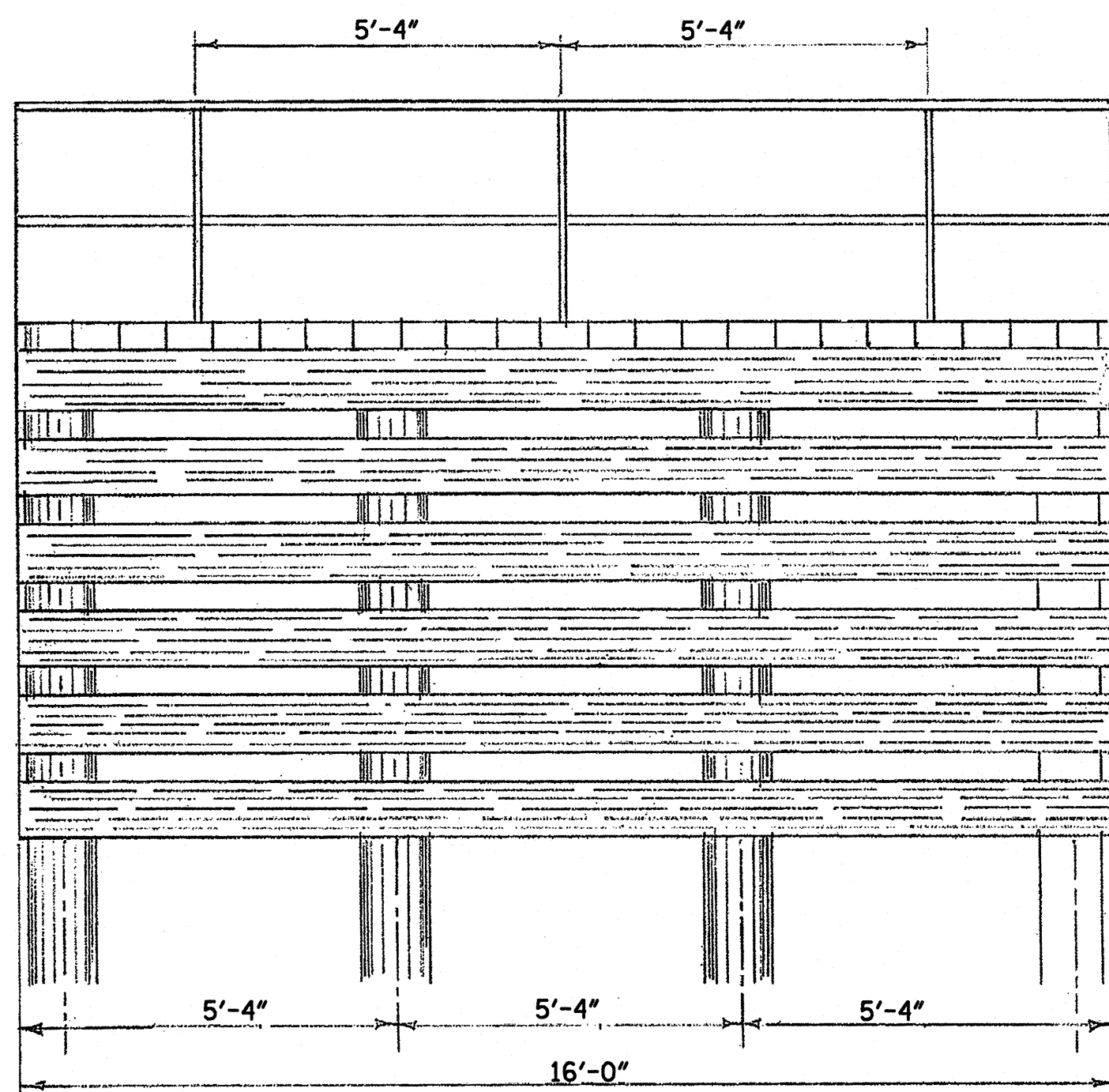
REVISIONS			
NO.	DATE	DESCRIPTION	BY

DATE: 2/25/09
 SCALE: NTS
 DRAWN: F MEHFAR
 CHECKED: JAD
 PROJ. NO.: 0910202
 SHEET: 5 OF 10

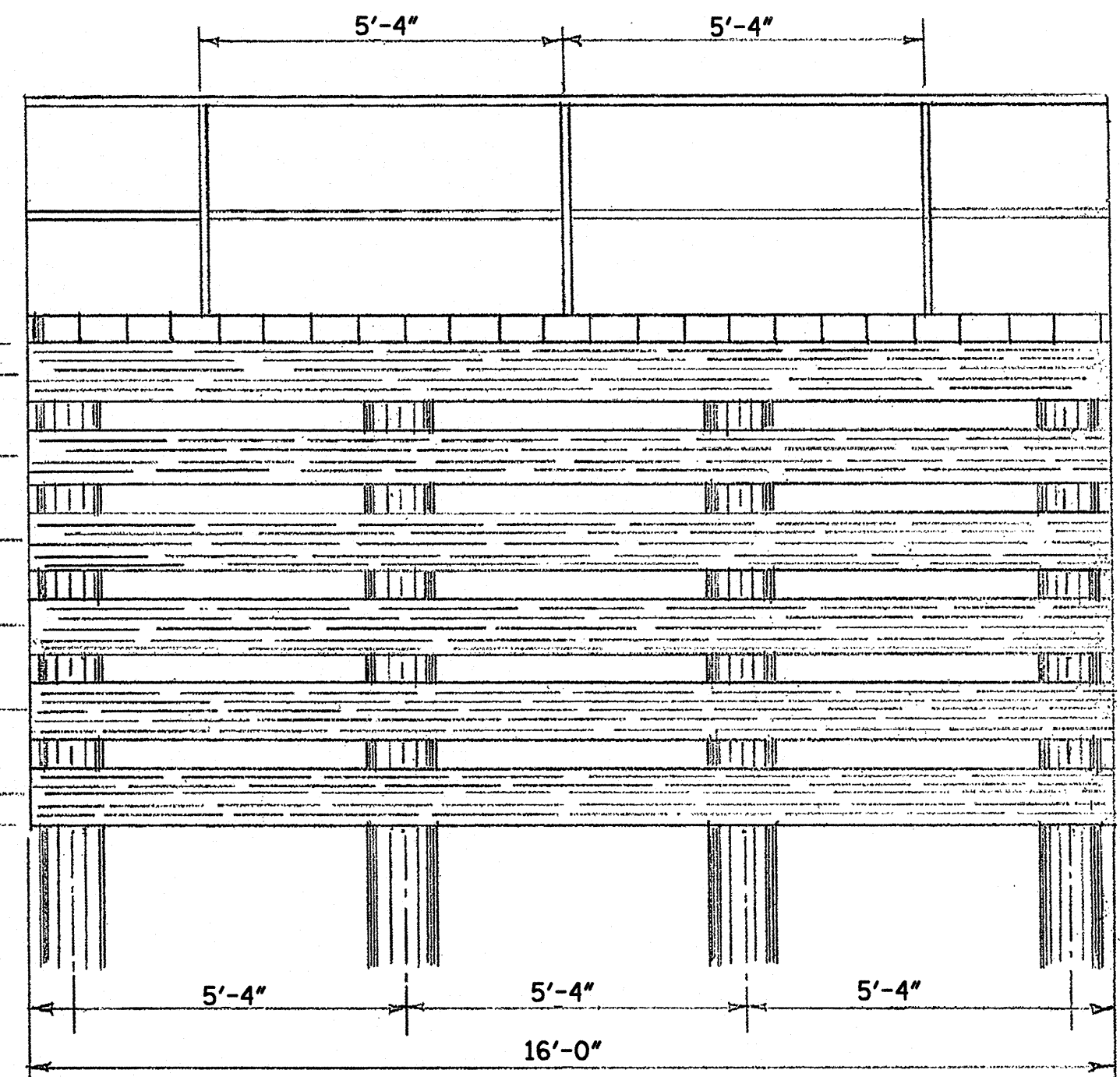
14" TIMBER
PILES (TYP.)



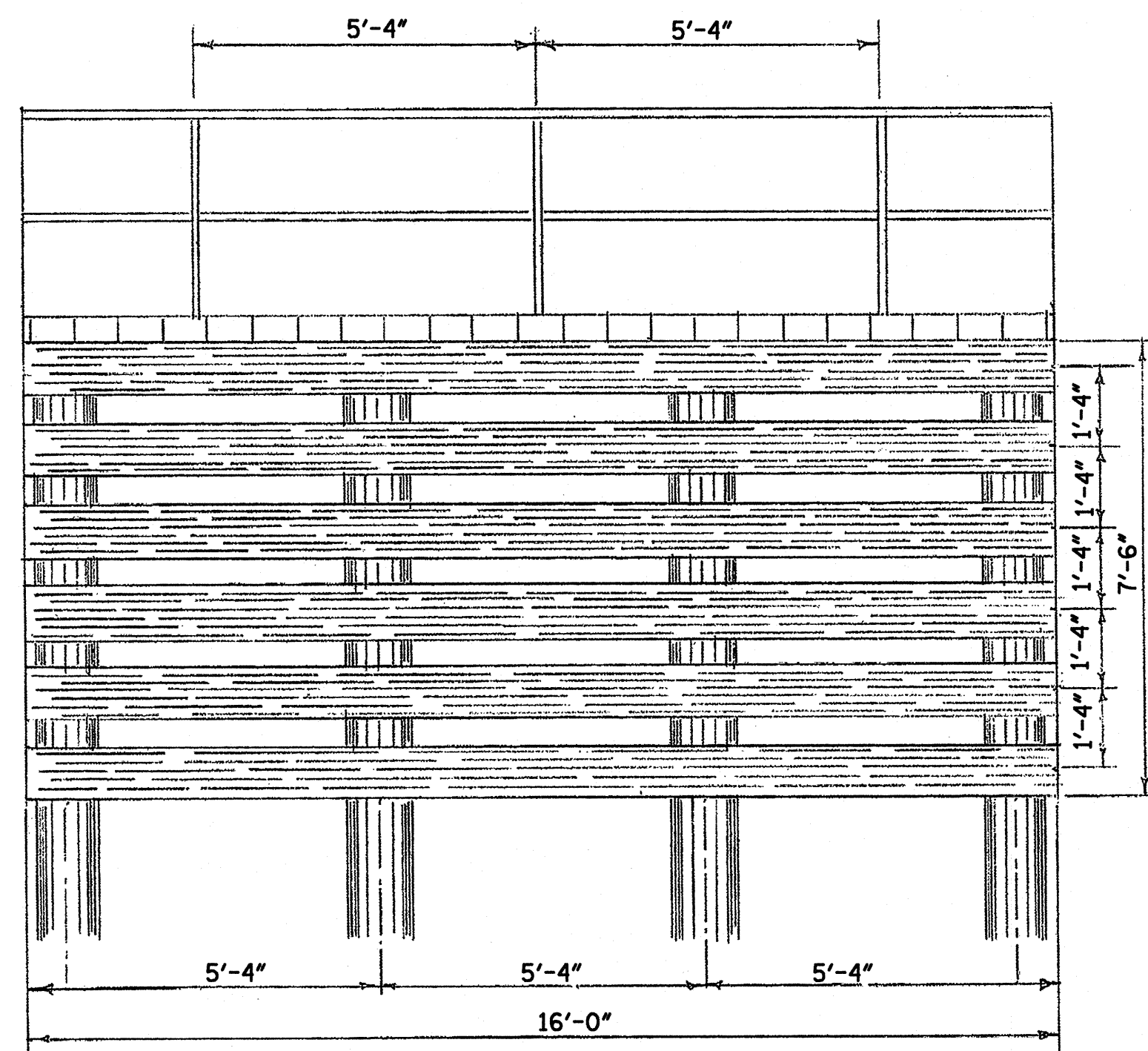
7 WEST



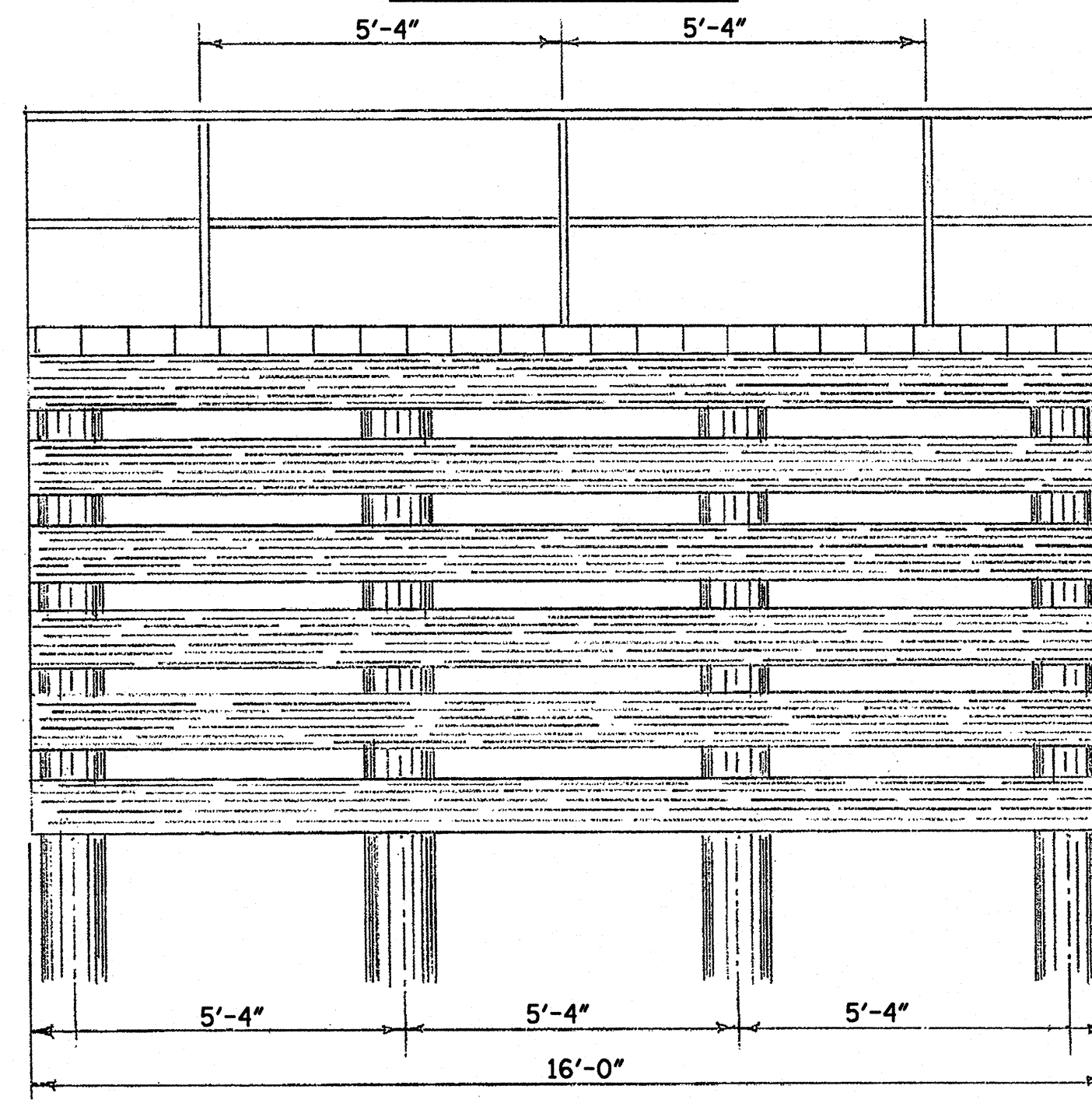
8 WEST
TIMBER FACING
ELEVATION



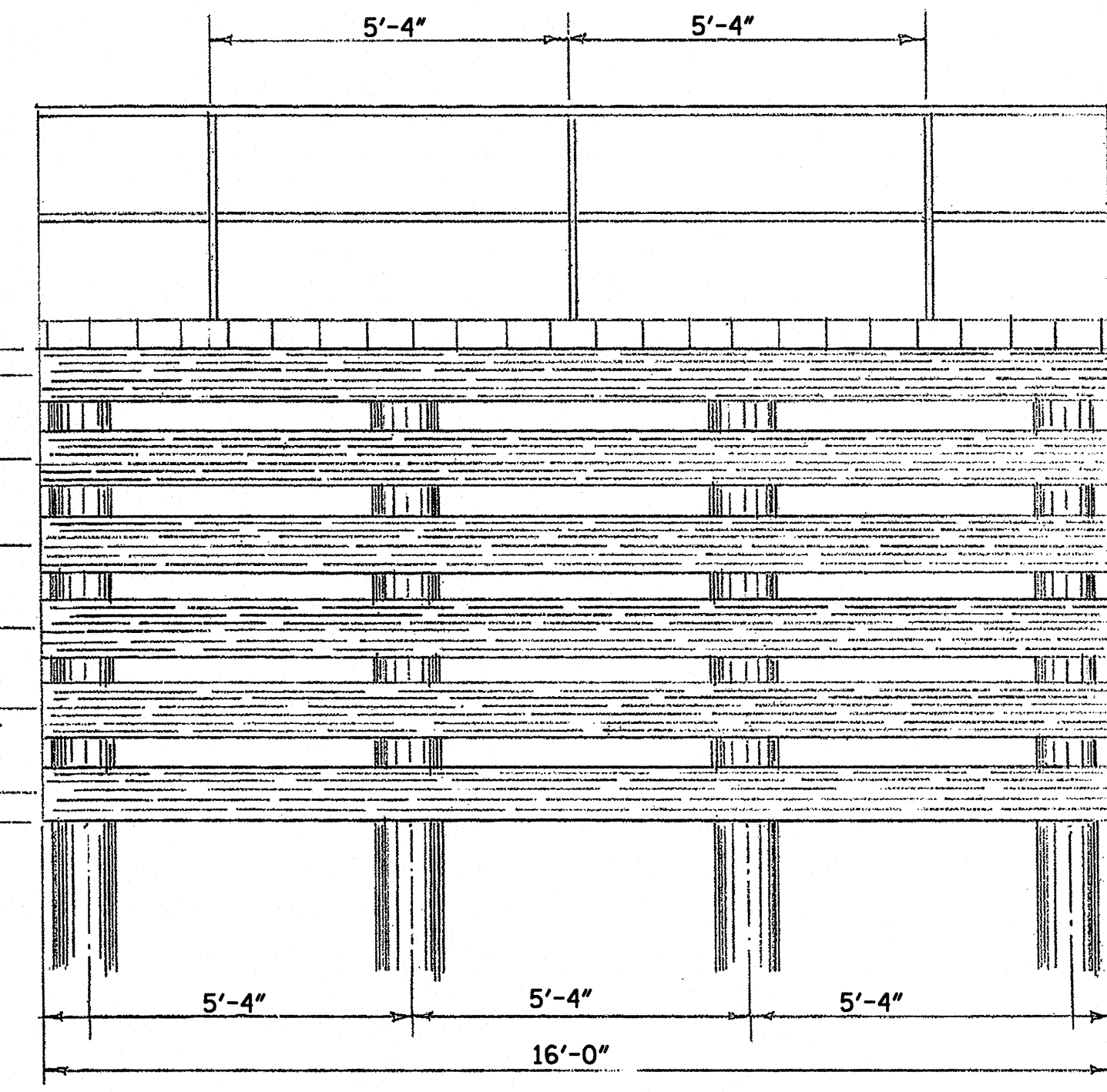
9 WEST



10 WEST



11 WEST
TIMBER FACING
ELEVATION



12 WEST

BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL
TIMBER FACING - 7 WEST THRU 12 WEST



TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
License No. F-0377

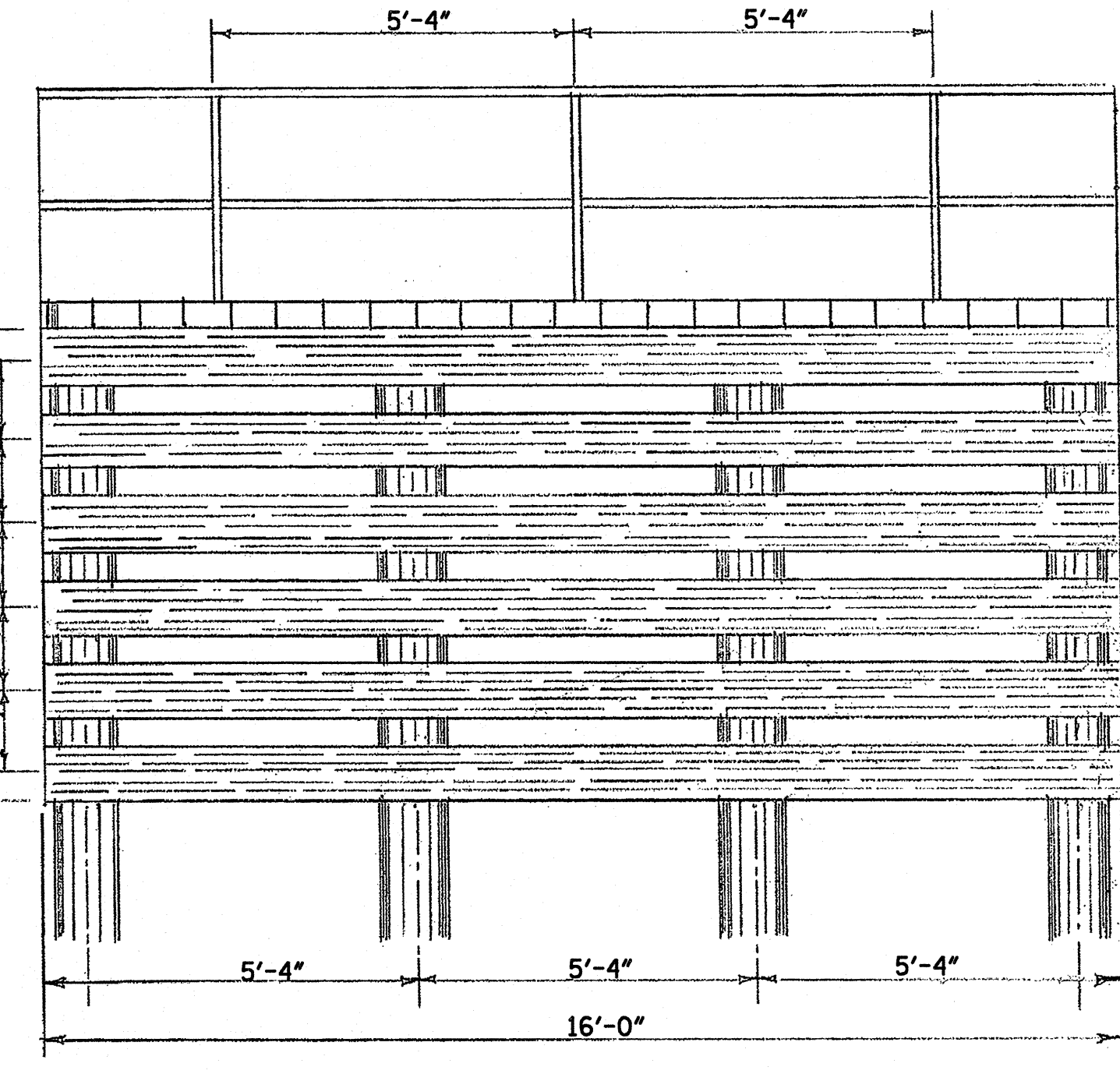
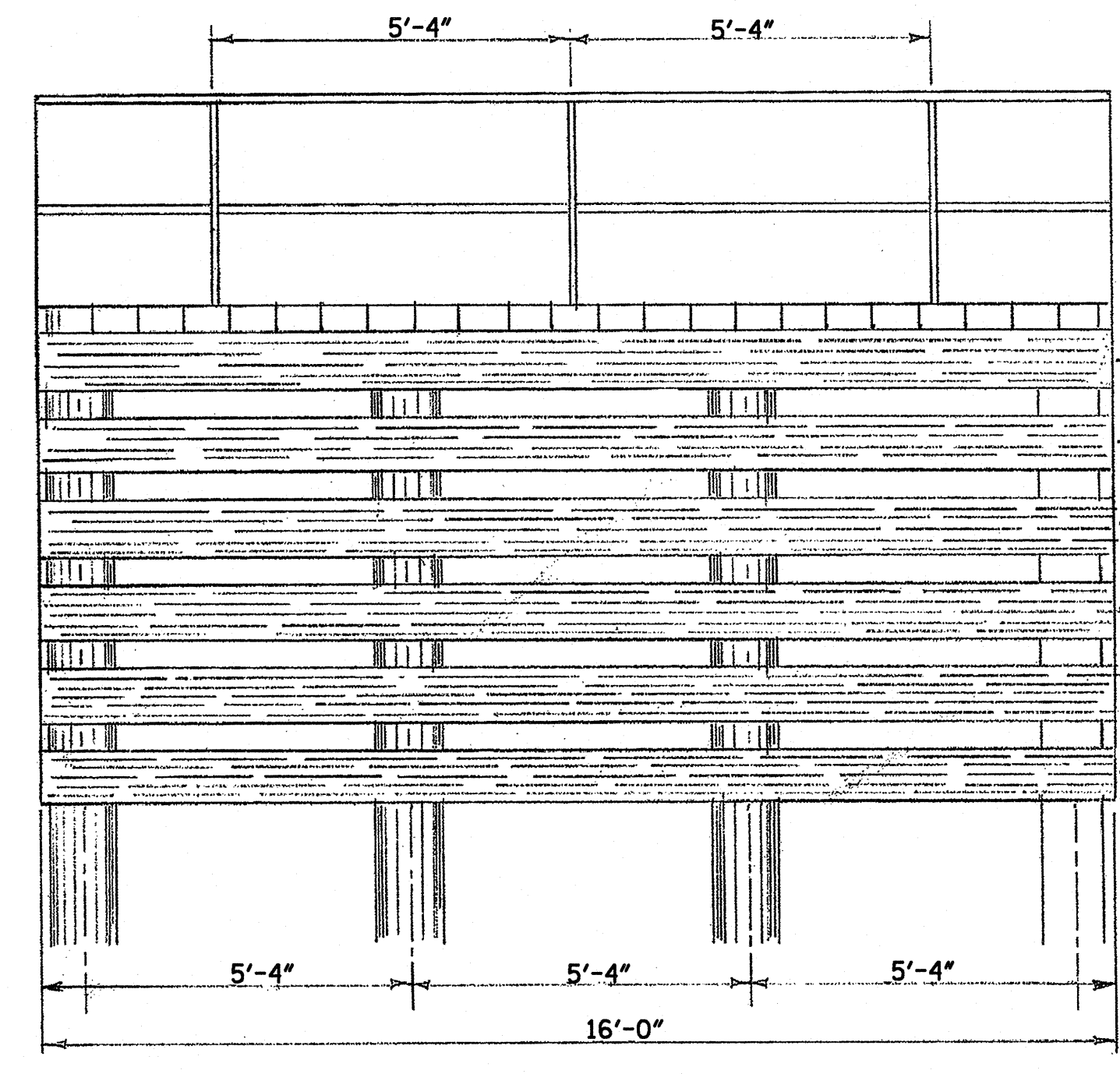
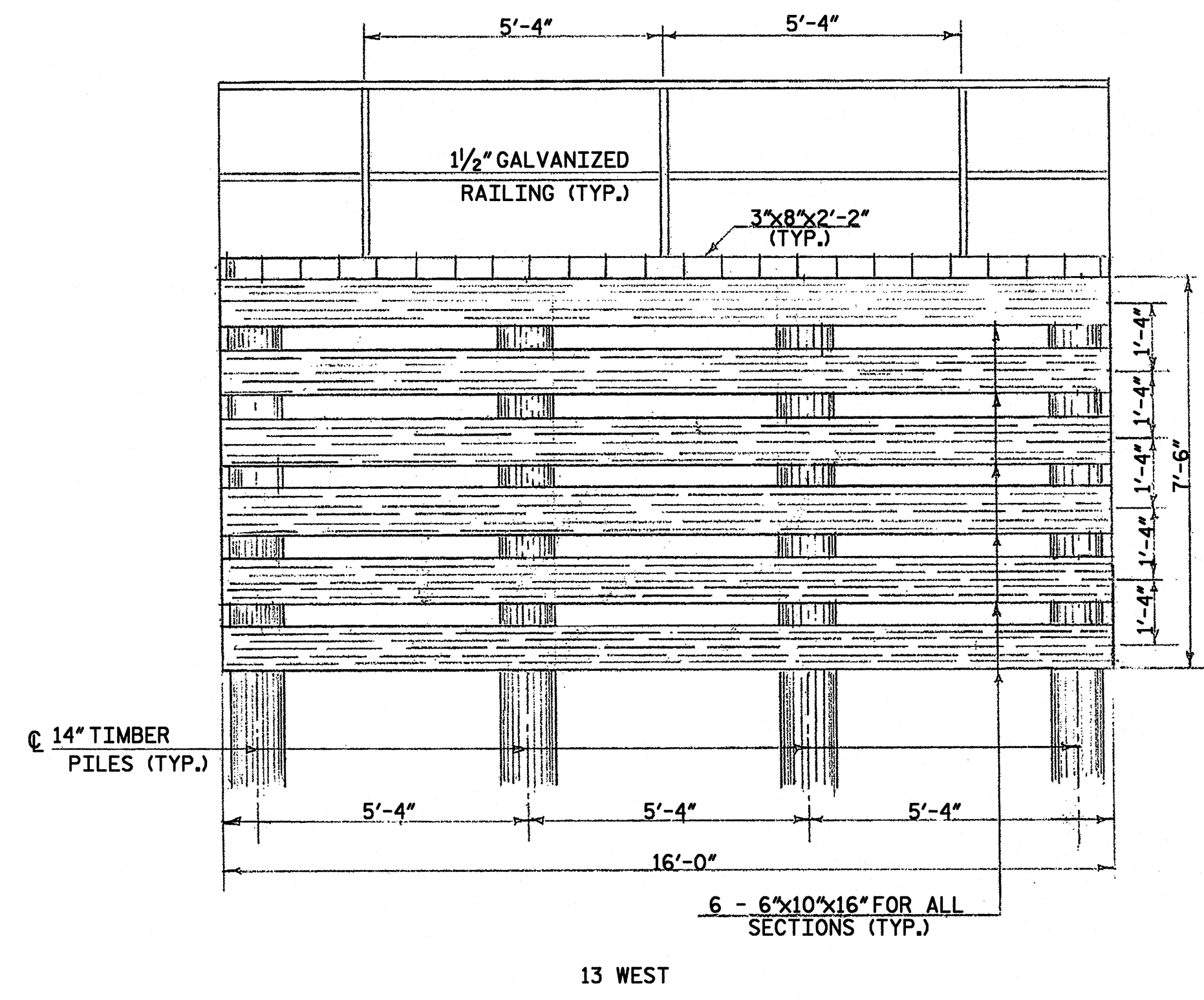
REVISIONS

NO.	DATE	DESCRIPTION	BY

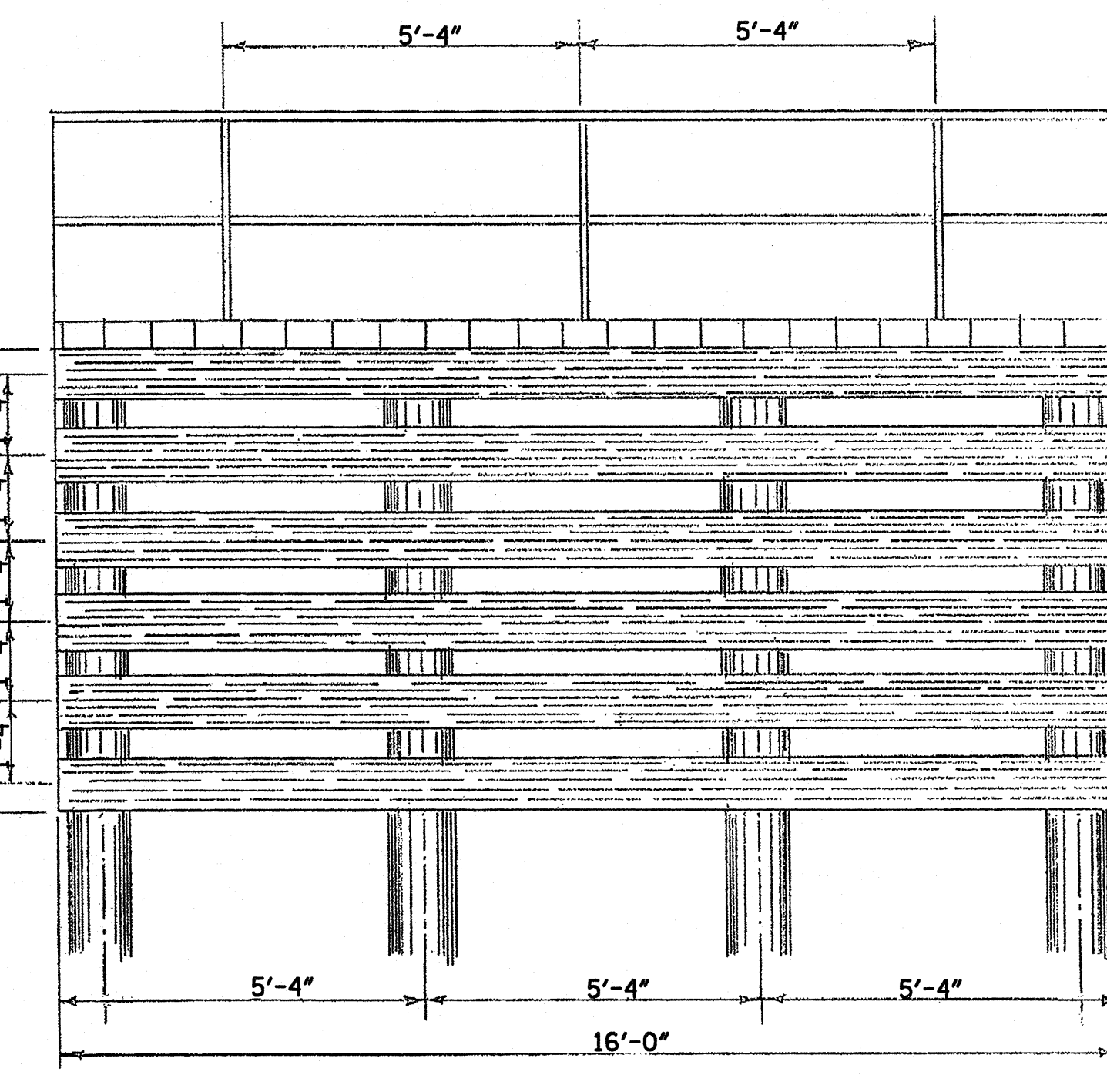
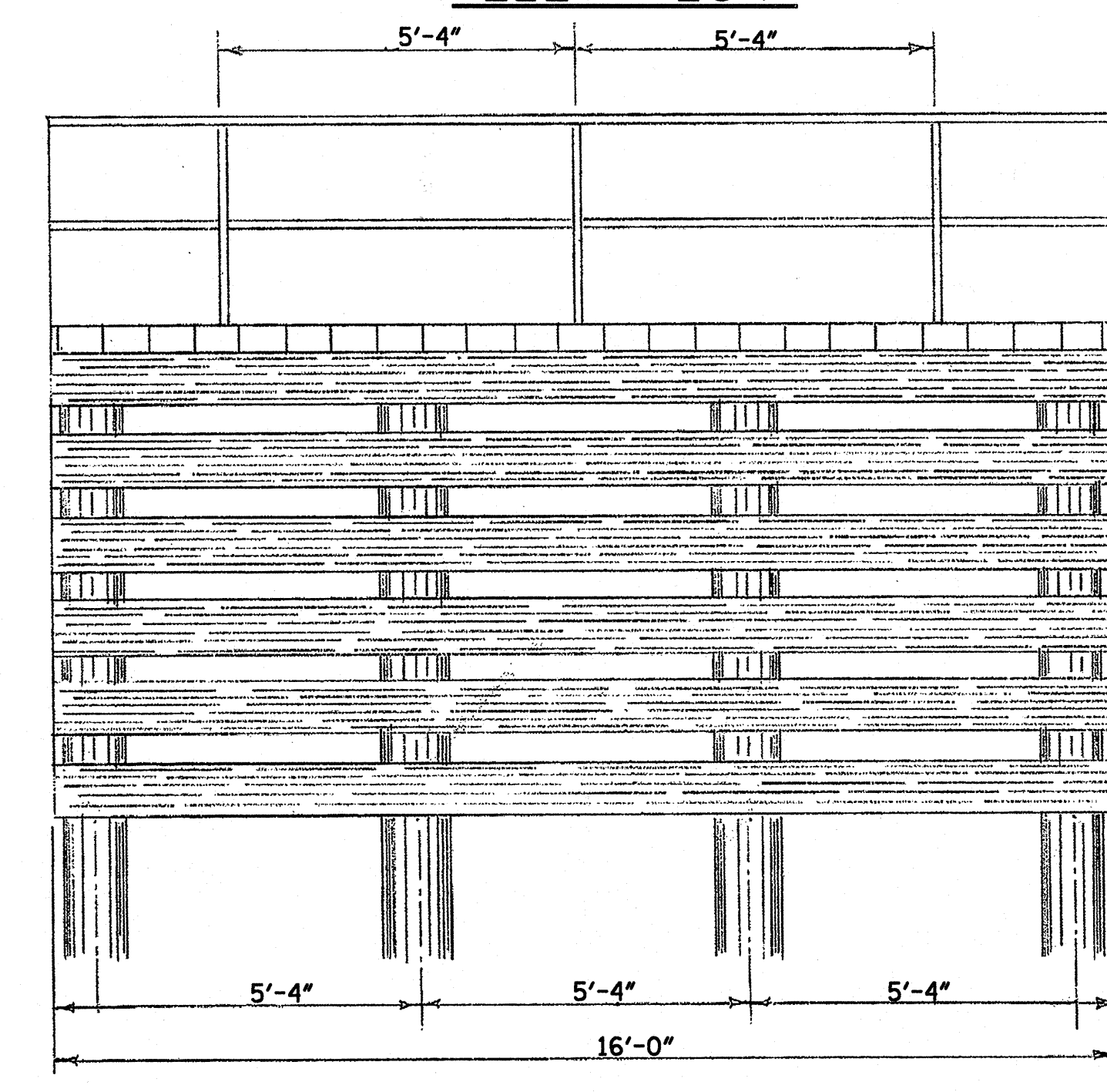
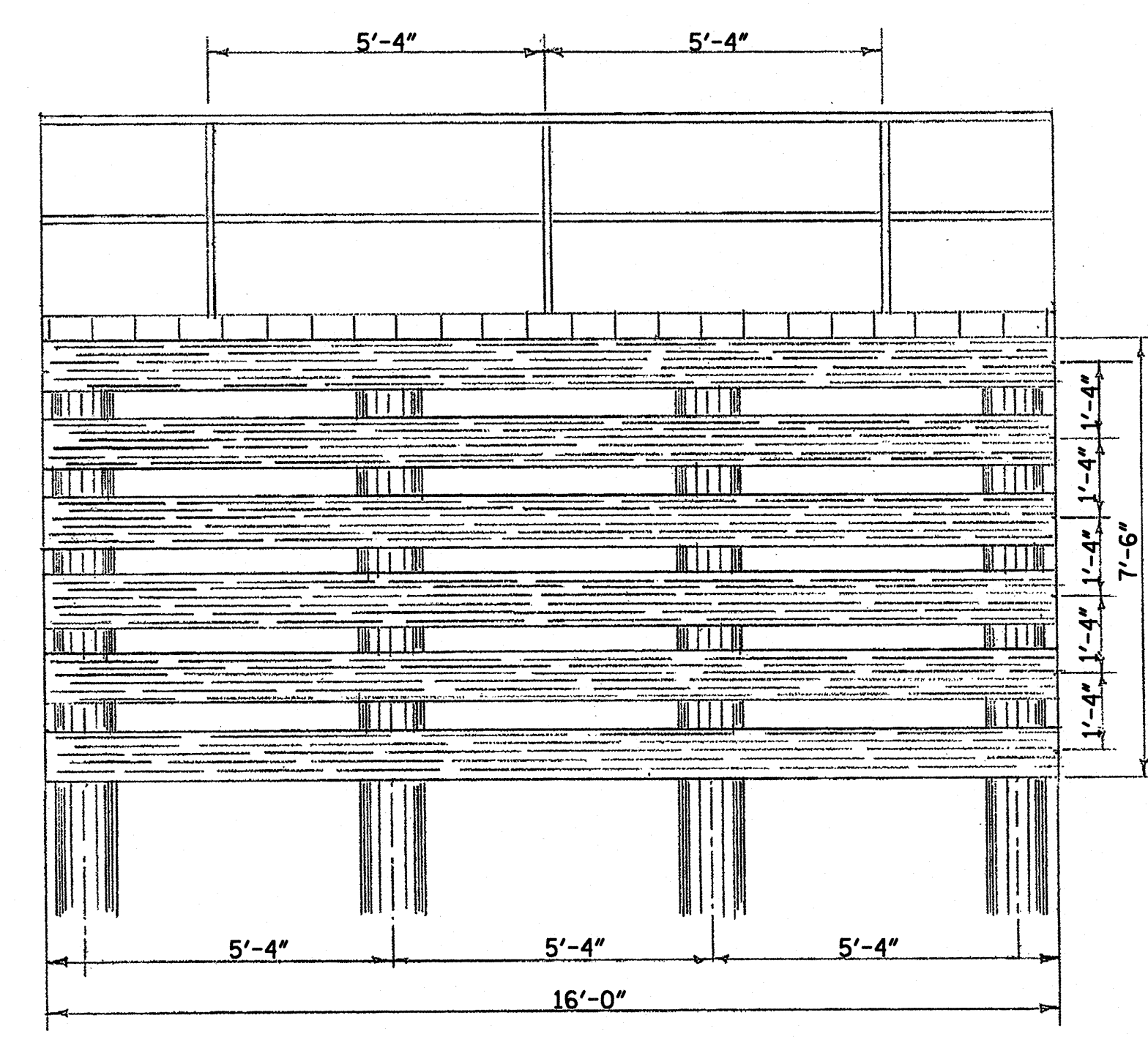
DATE: 2/25/09
SCALE: NTS
DRAWN: F MEHFAR
CHECKED: JAD
PROJ. NO.: 09102.02
SHEET: 6 OF 10



P:\2009\0911902 Carteret #29 Fender Dsgn\Structure\DWG\sheet6.dgn
12/20/2010 2:40:19 PM



TIMBER FACING ELEVATION



TIMBER FACING ELEVATION

**BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL**

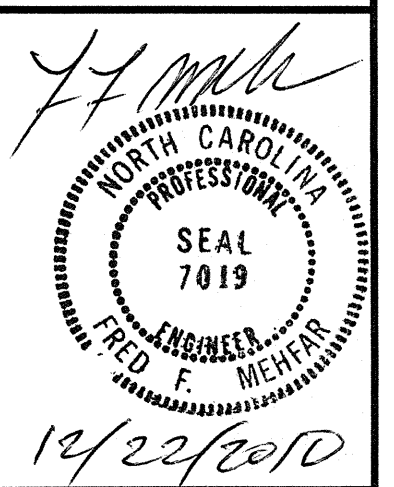
TIMBER FACING - BW & 1 EAST THRU 5 EAST

ETHERILL ENGINEERING
559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
License No. F-0377

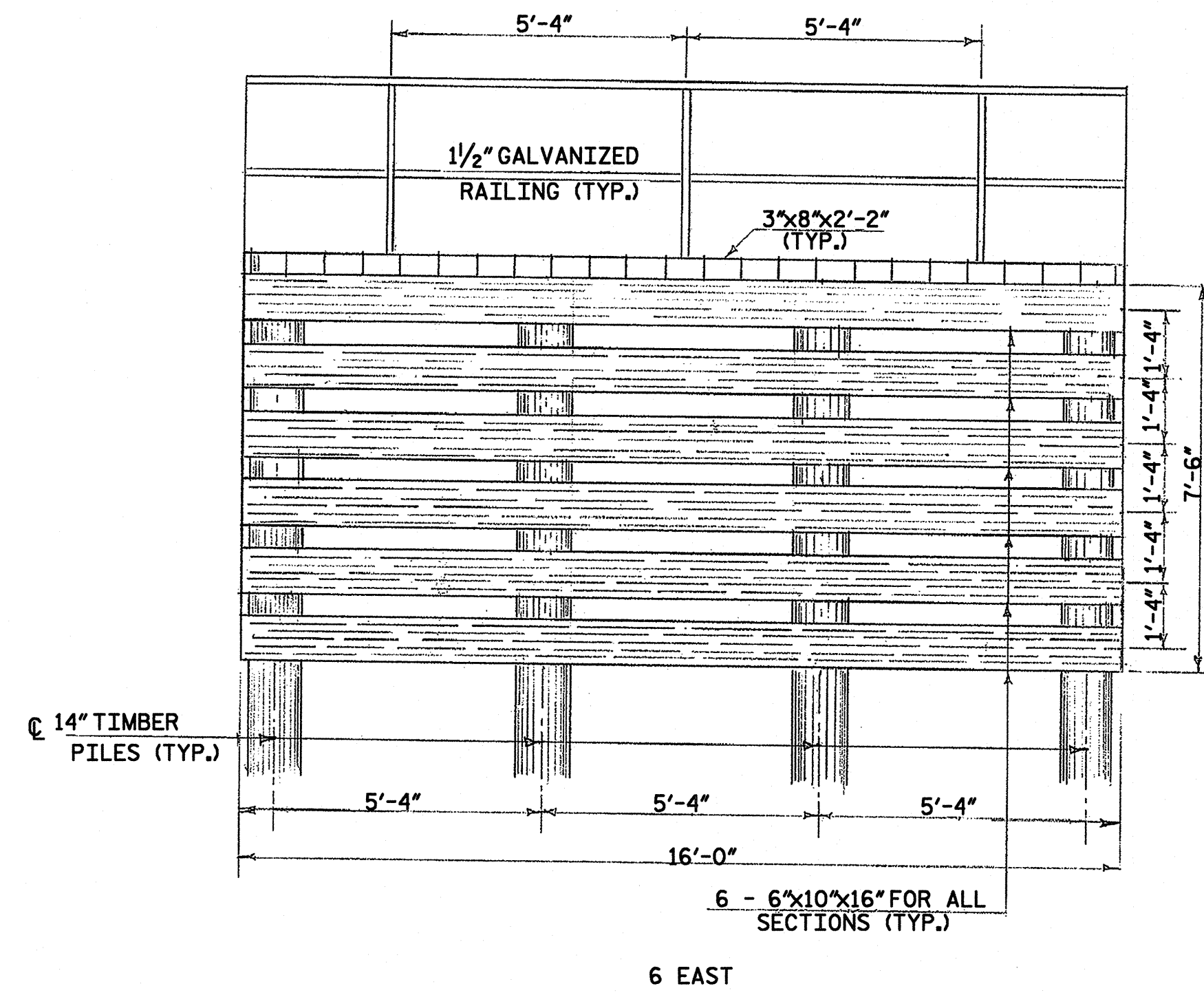
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

REVISIONS			
NO.	DATE	DESCRIPTION	BY

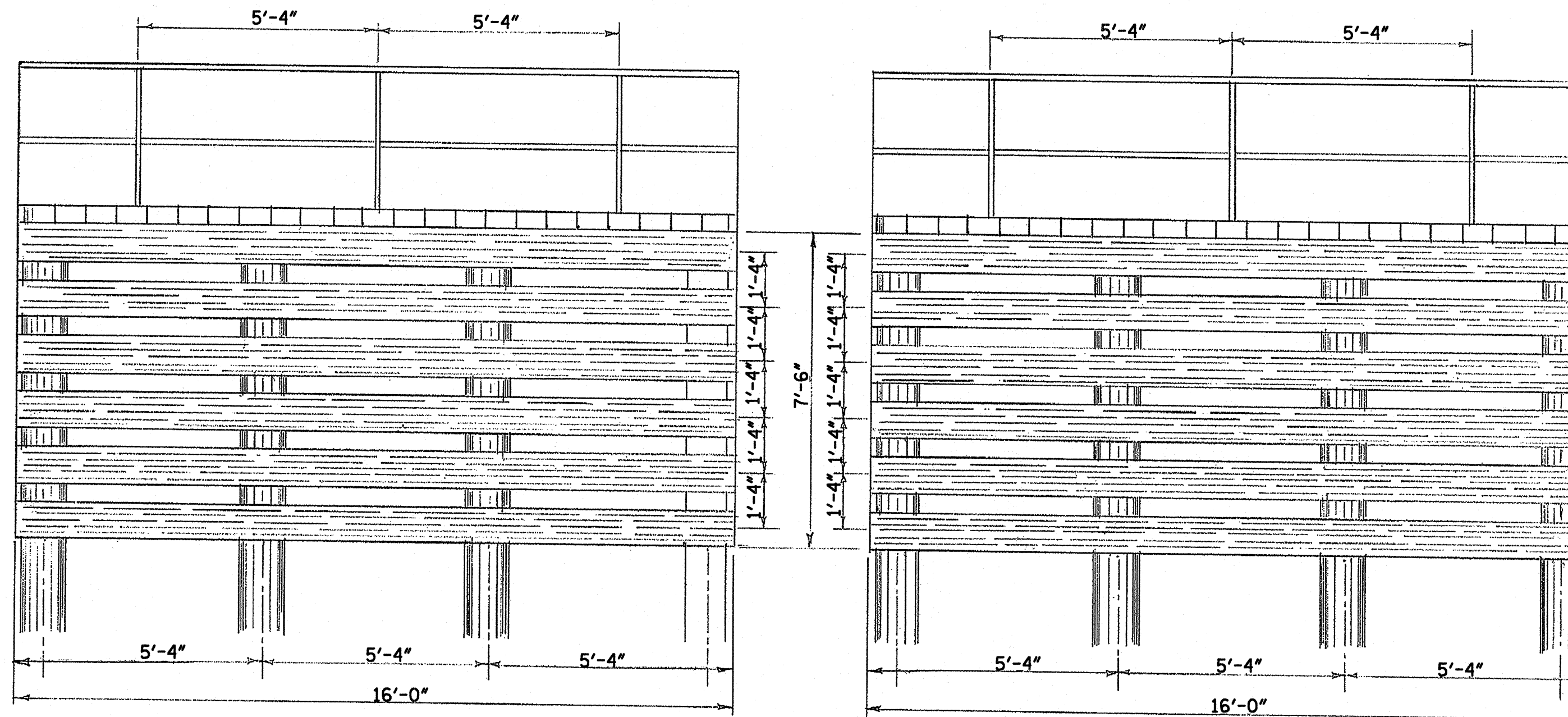
DATE: 2/25/09
SCALE: NTS
DRAWN: F MEHFAR
CHECKED: JAD
PROJ. NO.: 09102.02
SHEET: 7 OF 10



P:\2009\0911902 Carteret #29 Fender Dsgn\Structure\DWG-sheet7.dgn 12/20/2010 2:41:29 PM

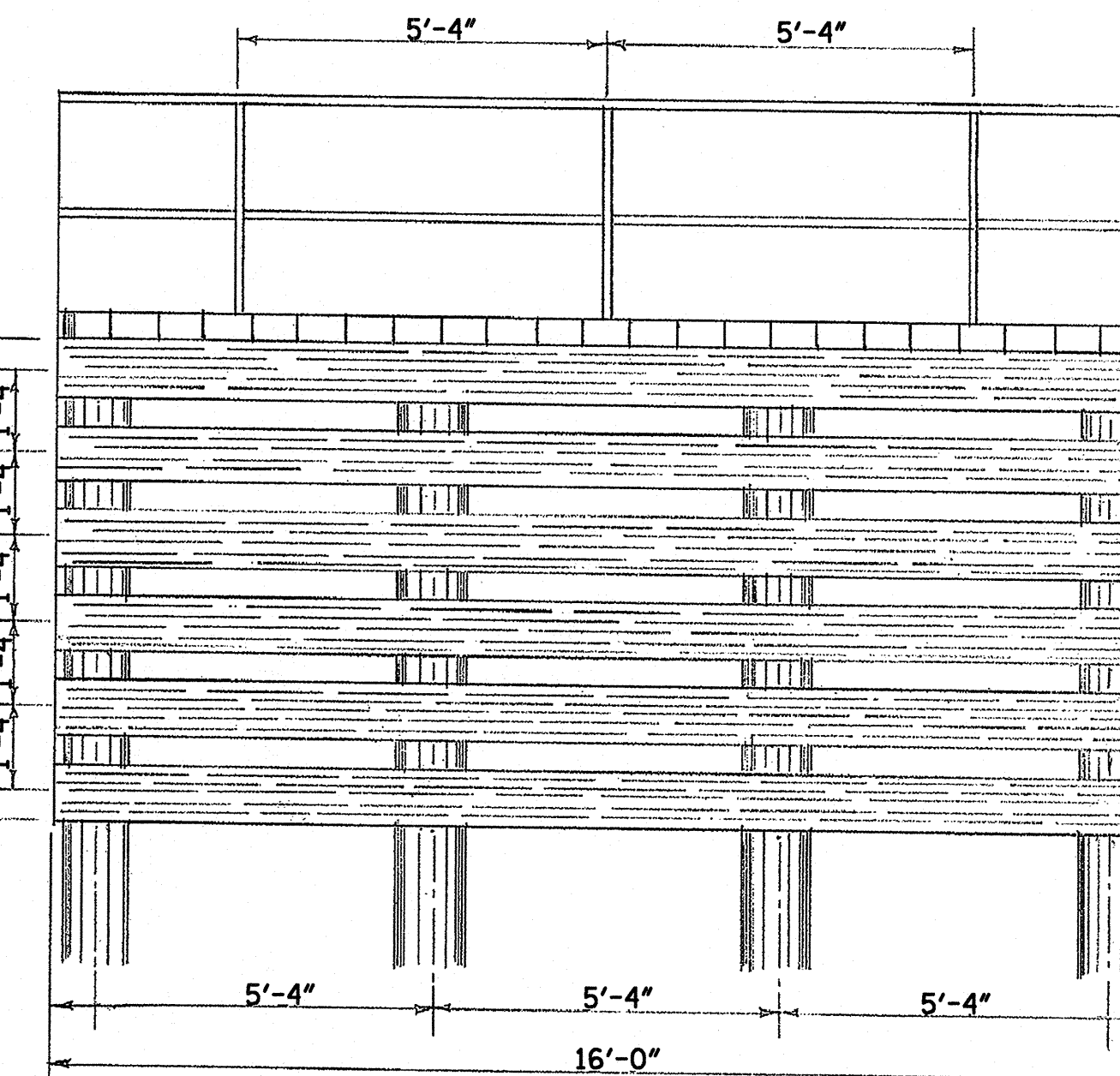


6 EAST

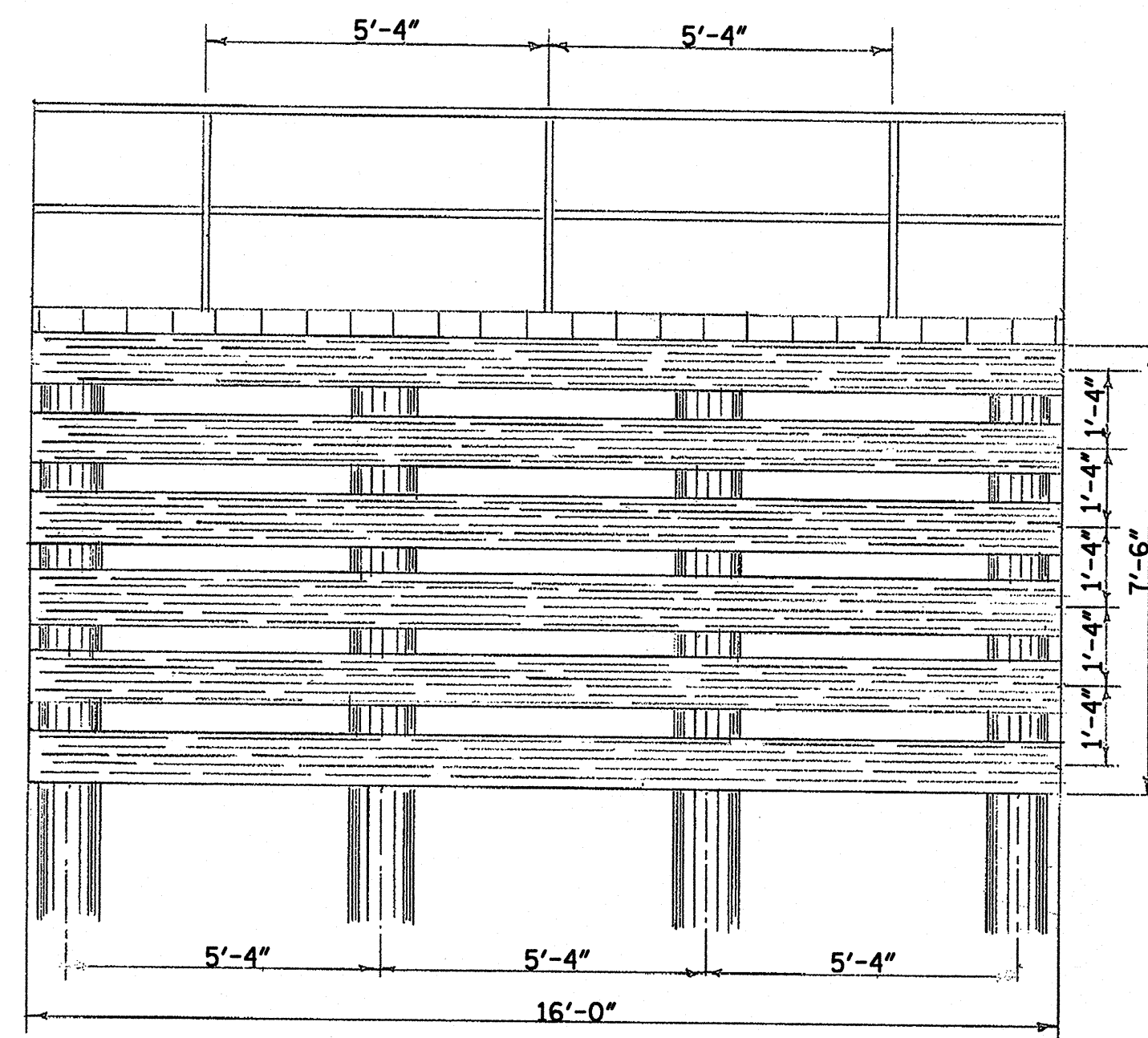


7 EAST

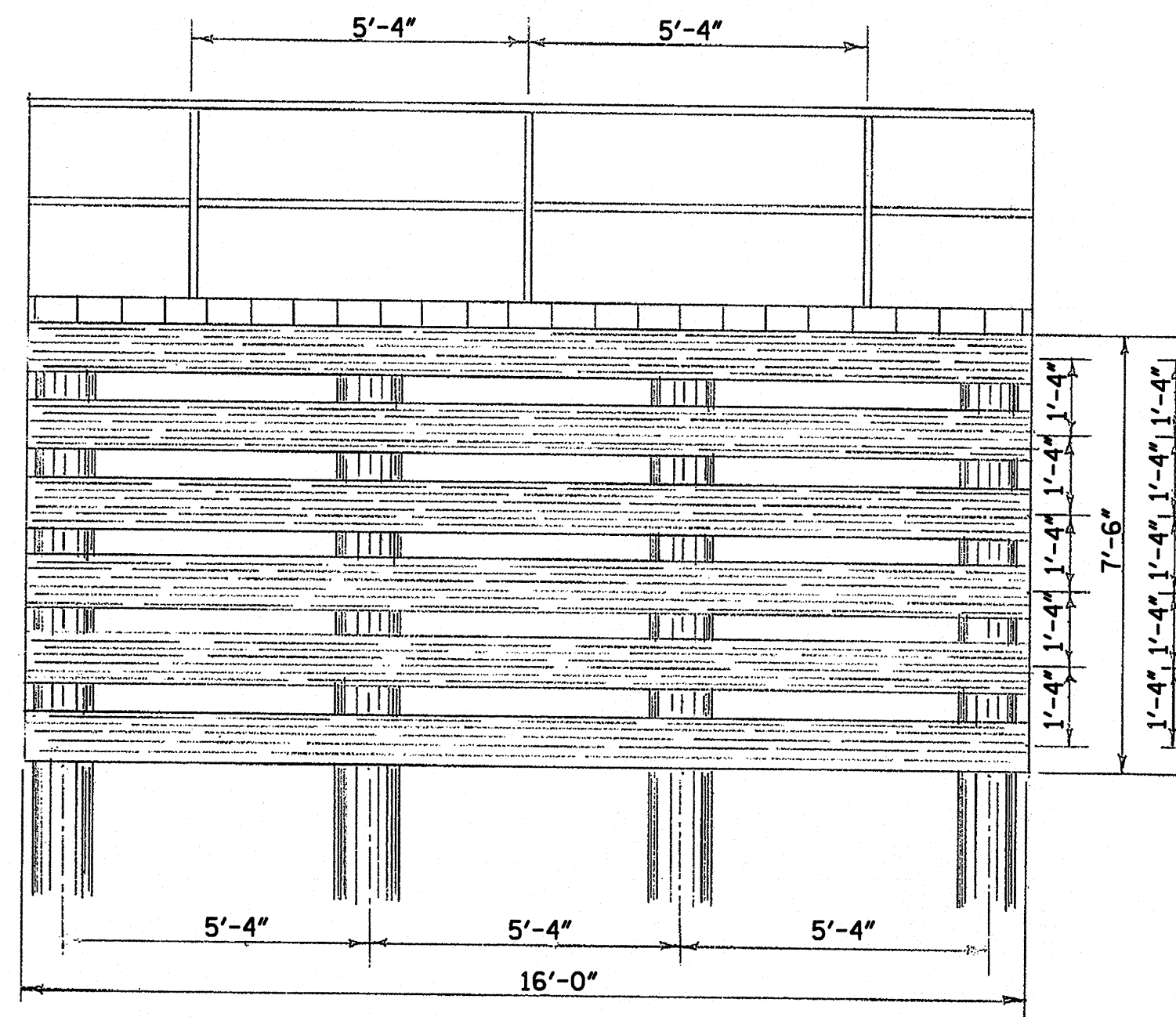
TIMBER FACING ELEVATION



8 EAST

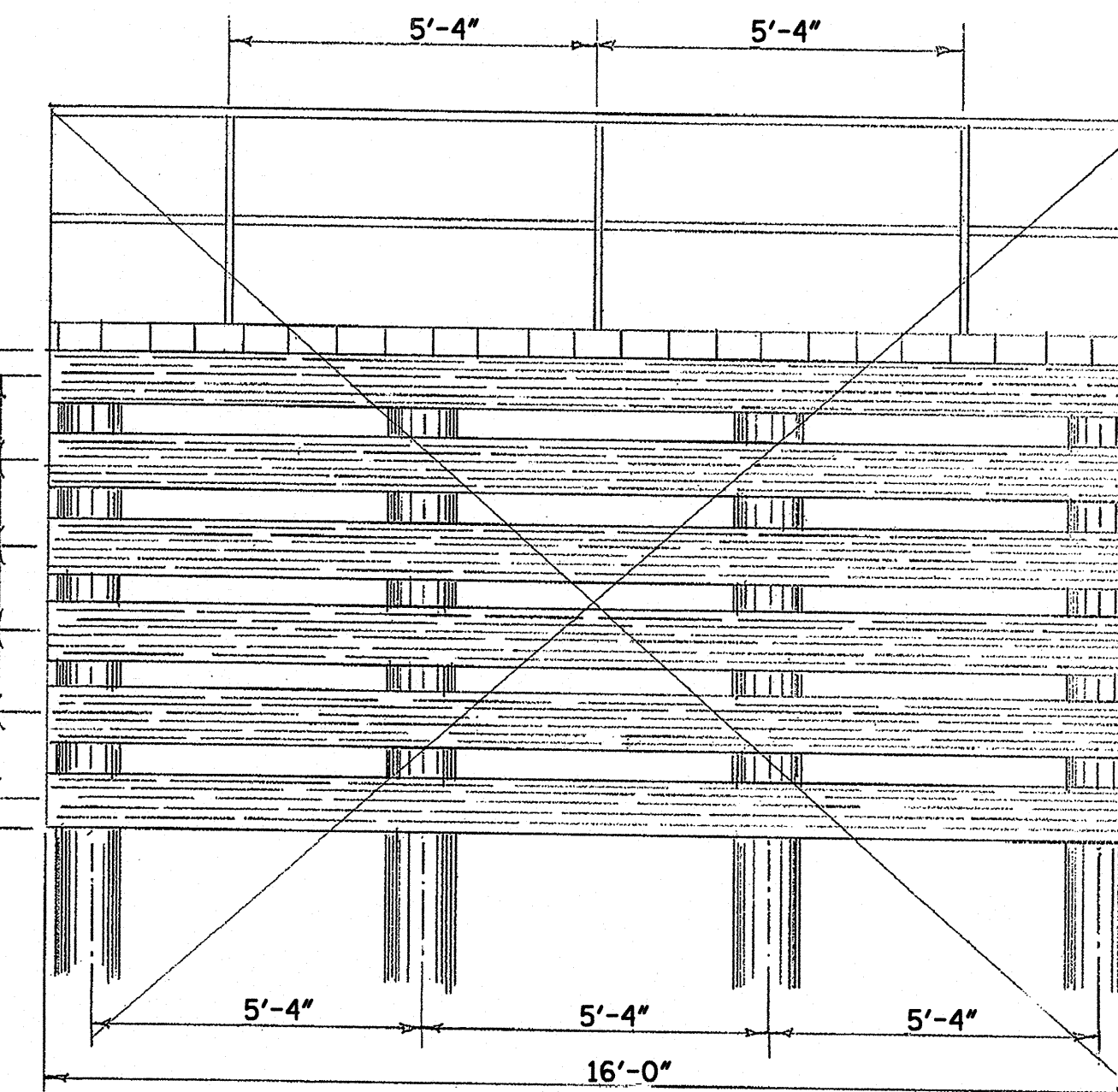


9 EAST



10 EAST

TIMBER FACING ELEVATION



P:\2009\09119\02 Carteret #29 Fender Dsgn\Structure\DWG\Sheet8.dgn
 12/20/2010 2:42:22 PM

BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL
TIMBER FACING - 6 EAST THRU 10 EAST

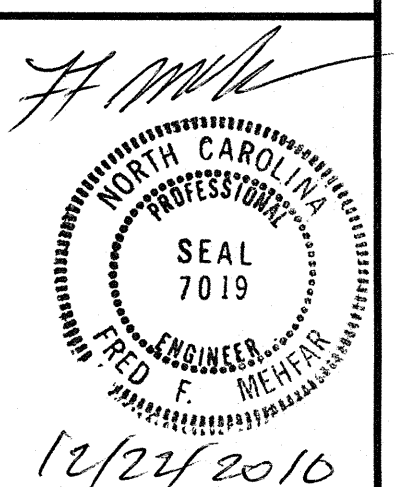


559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 License No. F-0377

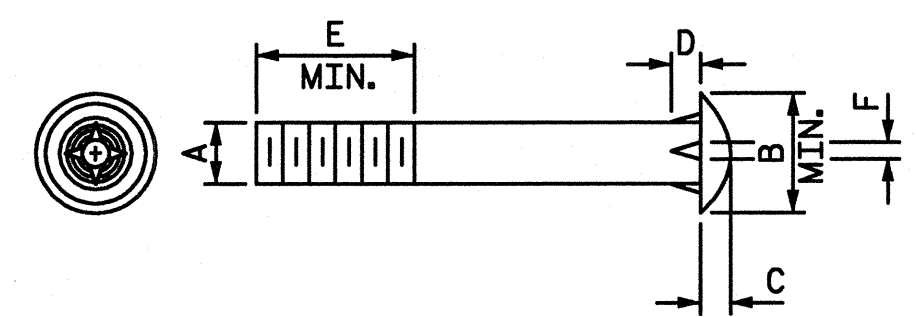
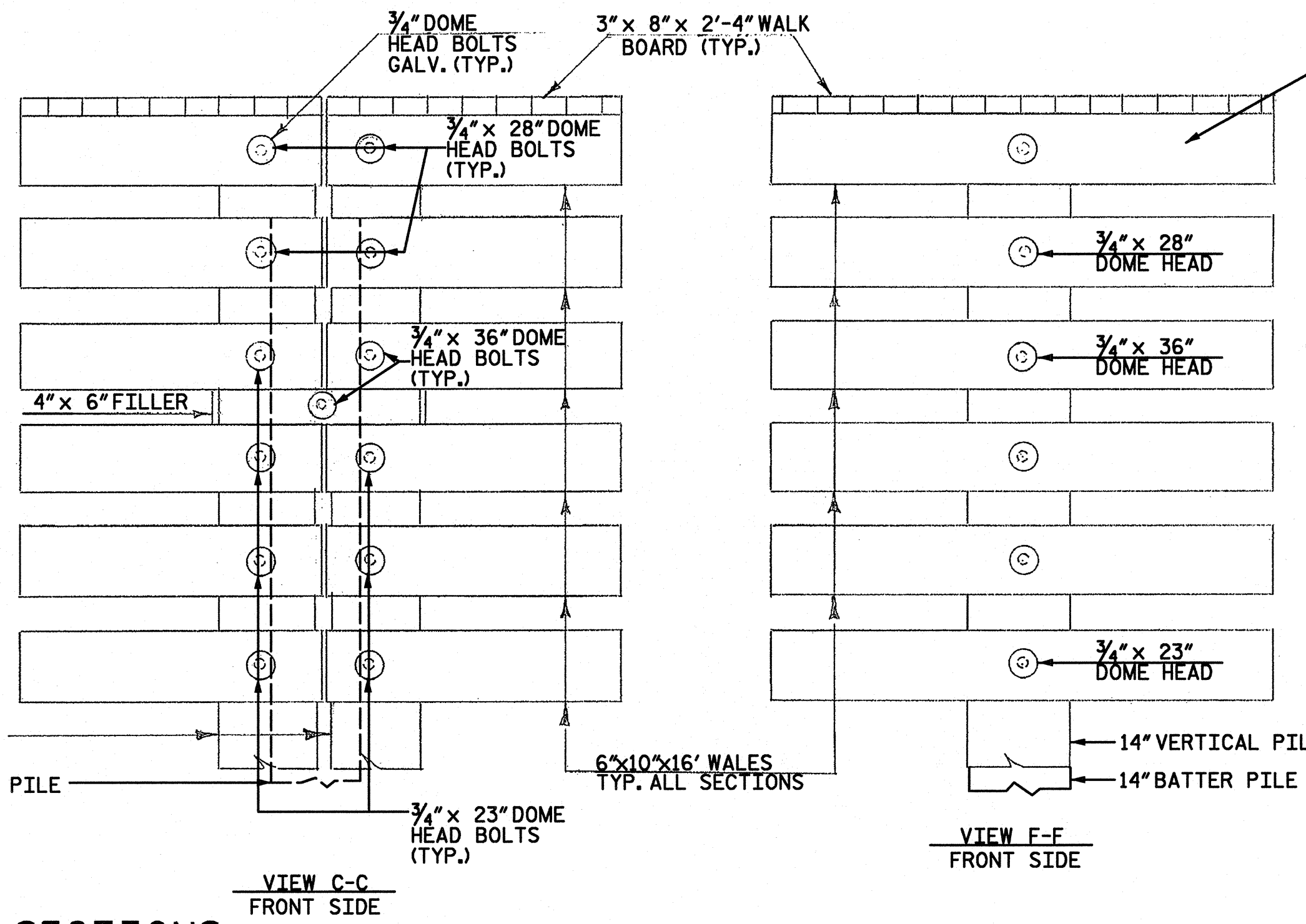
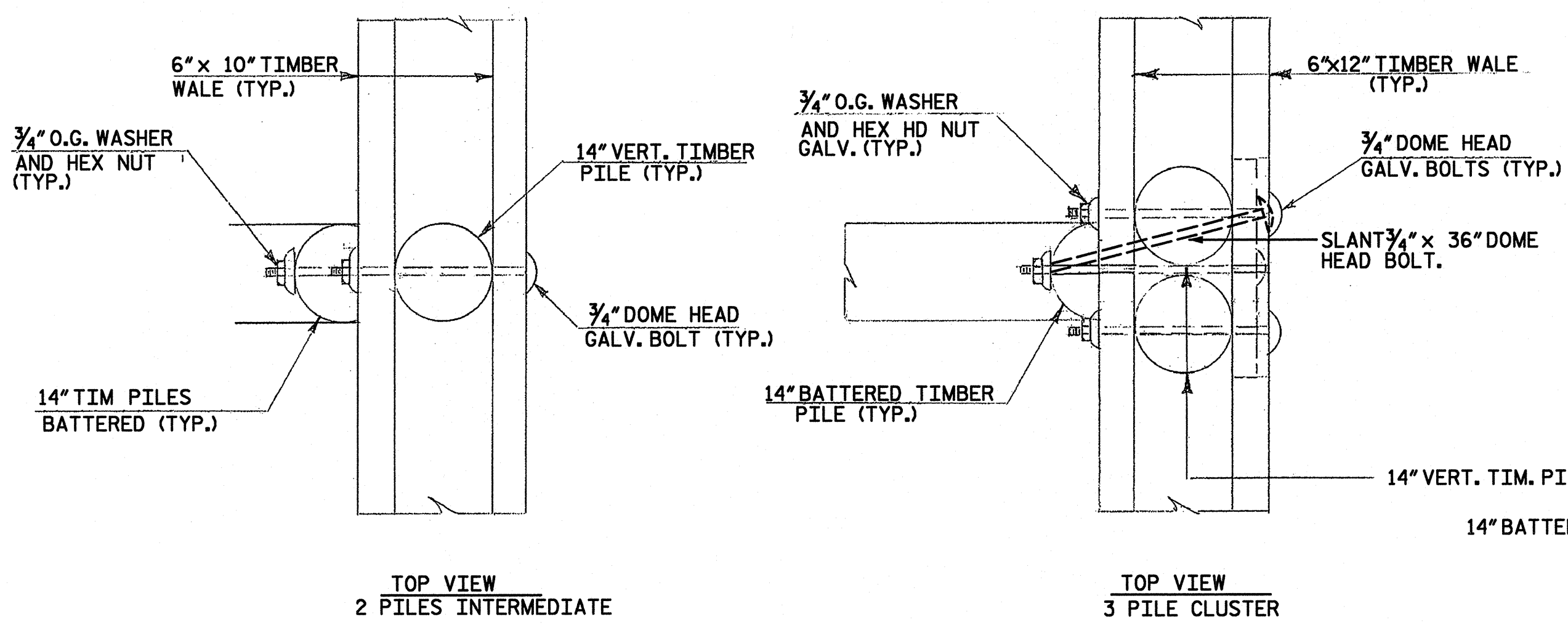
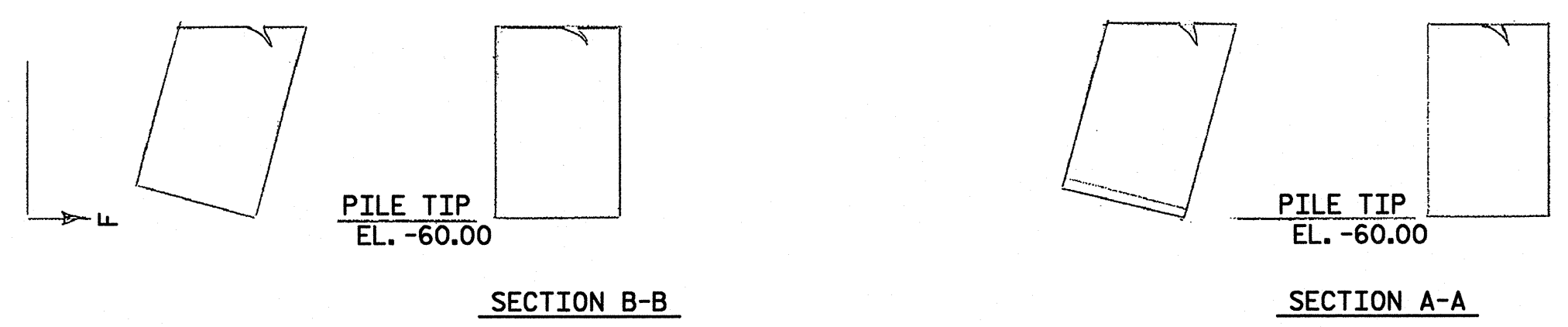
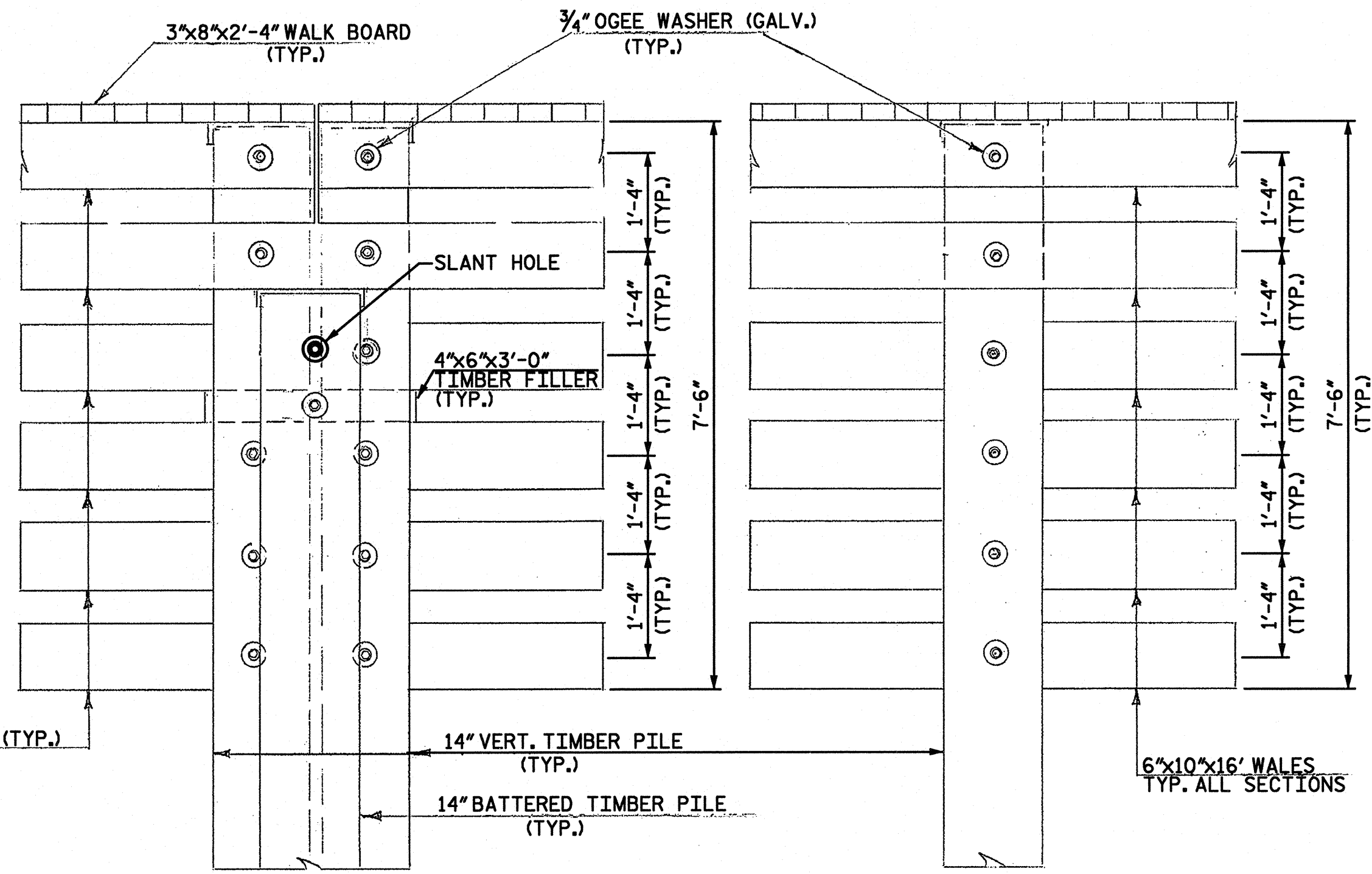
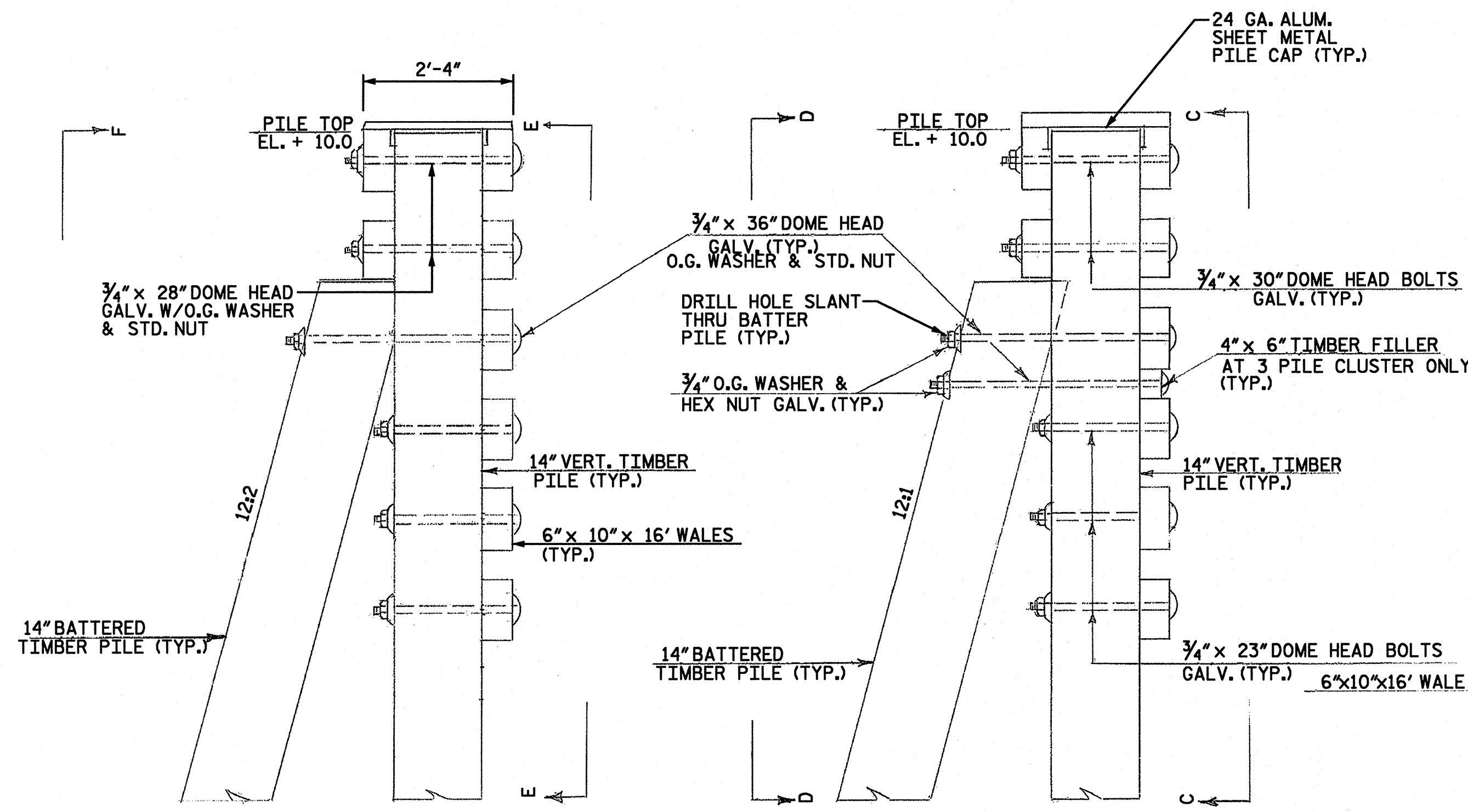
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

REVISIONS			
NO.	DATE	DESCRIPTION	BY

DATE: 2/25/09
 SCALE: NTS
 DRAWN: F MEHFAR
 CHECKED: JAD
 PROJ. NO.: 09102.02
 SHEET: 8 OF 10



P:\2009\09119\02 Carteret #29 Fender Dsgn\Structure\DWG\sheet9.dgn
 12/20/2010 2:42:53 PM



A	B	C	D	E	F
1/2"	1 3/4"	.275"	1/4"	6"	.200"
3/4"	2 5/8"	1/16"	3/4"	6"	1/4"

DOME HEAD BOLT (TYP.)

NOTE:
 ALL THE BOLTS HEAD MUST HAVE FULL CONTACT WITH SURFACE OF THE TIMBER FACINGS. IF NECESSARY RECESS MUST BE PROVIDED FOR BOLTS HEAD THAT NO PROTRUSION OR SHARP POINTS STICKING OUT OF THE CONTACT SURFACE AFTER TIGHTENING THE BOLTS.

TYPICAL SECTIONS

BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL

TYPICAL SECTIONS

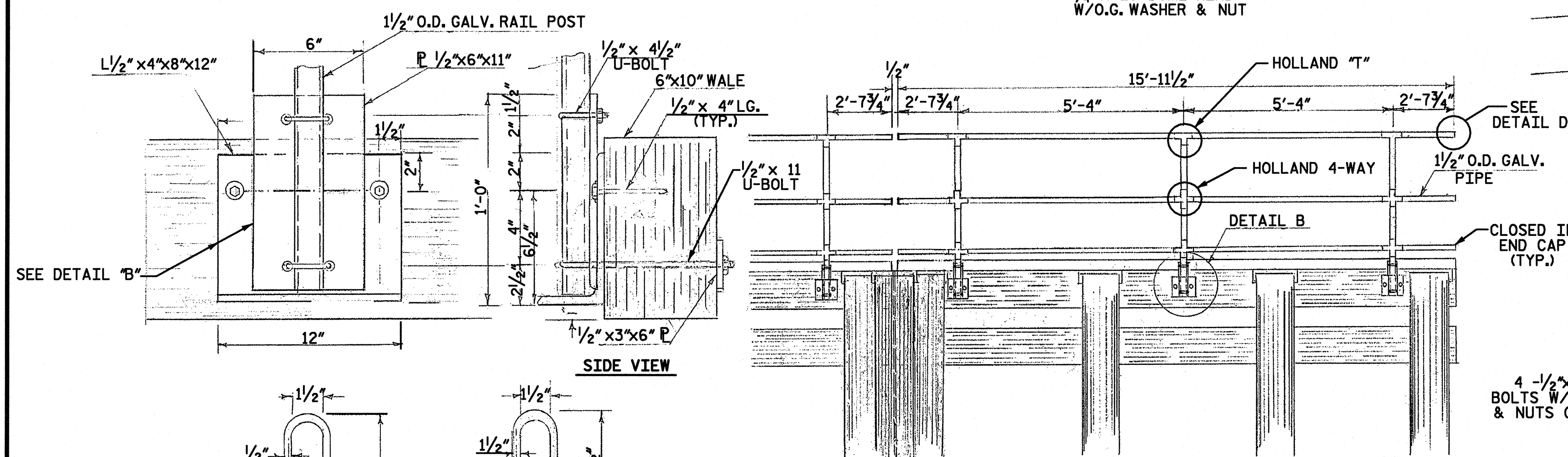
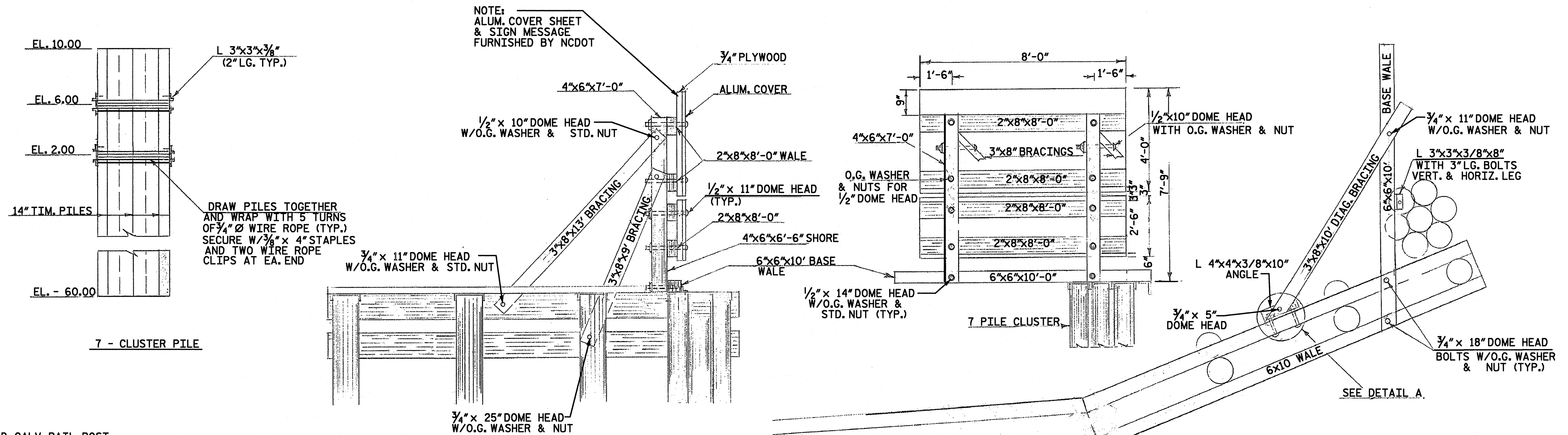
WETHERILL ENGINEERING
 559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 License No. F-0377

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

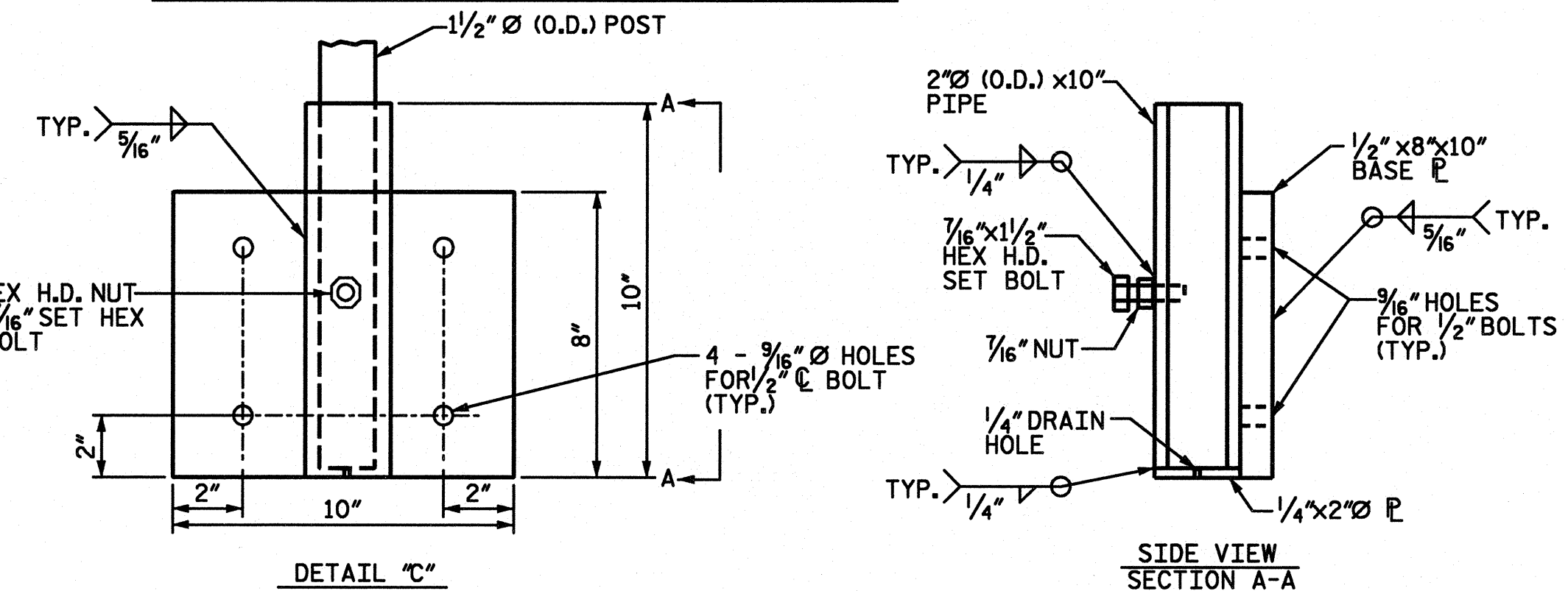
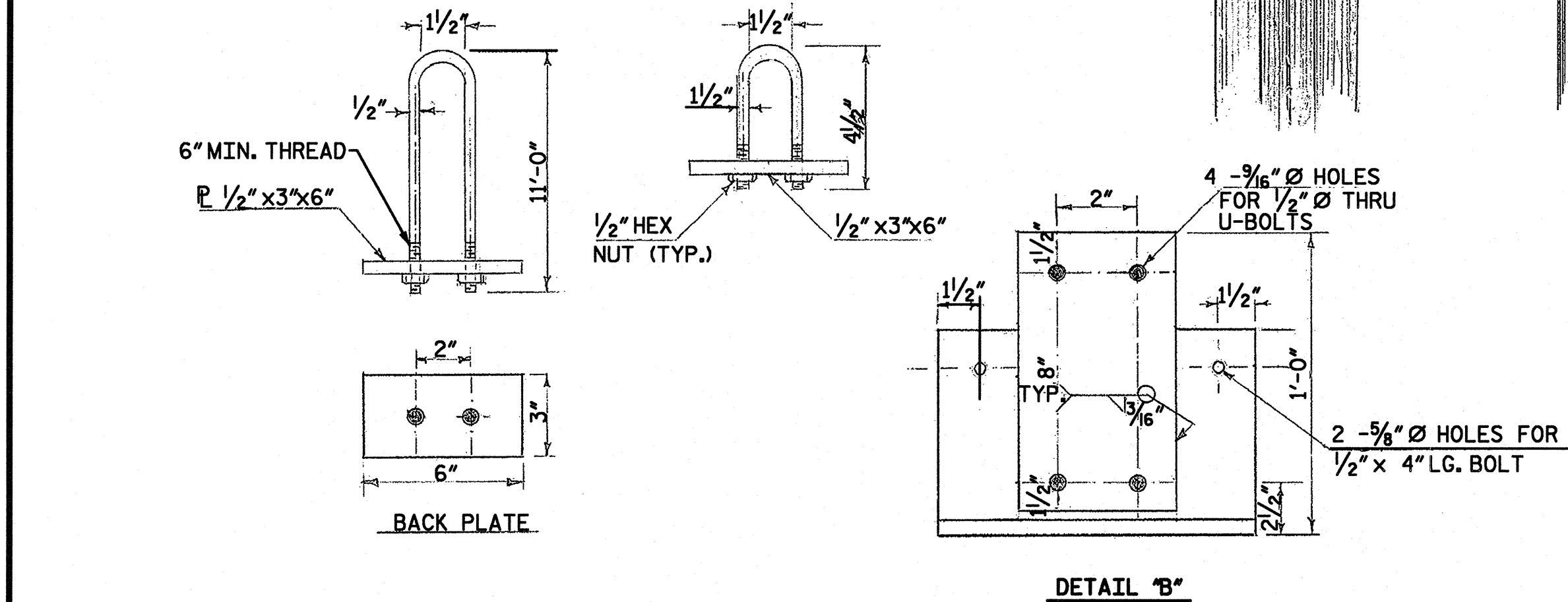
REVISIONS			
NO.	DATE	DESCRIPTION	BY

DATE: 2/25/09
 SCALE: NTS
 DRAWN: F MEHFAR
 CHECKED: JAD
 PROJ. NO.: 09102.02
 SHEET: 9 OF 10

F. Mehfars
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 7019
 FRED E. MEHFAR
 12/27/2010



WALKWAY & SIGN DETAILS



DETAILS FOR PREFAB BRACKET

BEAUFORT N.C., CARTERET CO.
BRIDGE NO. 29 OVER BEAUFORT CHANNEL
WALKWAY & SIGN DETAILS

ETHERILL ENGINEERING
559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
License No. F-0377

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

REVISIONS			
NO.	DATE	DESCRIPTION	BY

DATE: 2/25/09
SCALE: NTS
DRAWN: F MEHFAR
CHECKED: JAD
PROJ. NO.: 09102.02
SHEET: 10 OF 10

F. F. Mehf
NORTH CAROLINA PROFESSIONAL SEAL 7019
FRED F. MEHFAR
6/20/2011

FA200909119.02 Carteret #29 Fender Dsgn Structure DWG sheet 10.dgn
 6/20/2011 8:31:17 AM

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE PROJECT REFERENCE NO. F-150029	SHEET NO. TMP-1
--	--------------------

**PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION
BEAUFORT BRIDGE FENDER REPLACEMENT - CARTERET COUNTY**

F-150029

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - ROADWAY DESIGN UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C. DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.03	TEMPORARY ROAD CLOSURES
1110.02	PORTABLE WORK ZONE SIGNS
1145.01	BARRICADES

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, PHASING, AND INDEX OF SHEETS
TMP-2	GENERAL NOTES
TMP-3	US 70 TEMPORARY OFF-SITE DETOUR ROUTE

LEGEND

- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT. EXIST. PVMT.
 - WORK AREA
 - REMOVAL OF EXISTING PAVEMENT

- TRAFFIC CONTROL DEVICES**
- TYPE I BARRICADE
 - TYPE II BARRICADE
 - TYPE III BARRICADE
 - CONE
 - DRUM SKINNY DRUM
 - FLASHING ARROW PANEL (TYPE C)
 - STATIONARY SIGN
 - PORTABLE SIGN
 - STATIONARY OR PORTABLE SIGN
 - CRASH CUSHION
 - CHANGEABLE MESSAGE SIGN
 - TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
 - POLICE
 - FLAGGER

- PAVEMENT MARKINGS**
- CRYSTAL/CRYSTAL PAVEMENT MARKER
 - YELLOW/YELLOW PAVEMENT MARKER
 - CRYSTAL/RED PAVEMENT MARKER
 - PAVEMENT MARKING SYMBOLS

PHASING

- STEP 1) INSTALL CHANGEABLE MESSAGE SIGNS AND TEMPORARY US 70 DETOUR SIGNING AS SHOWN ON TCP-3. USING POLICE AND ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, CLOSE THE US 70 BRIDGE TO TRAFFIC NIGHTLY ACCORDING TO THE TIME RESTRICTIONS ON TCP-2 AND PERFORM WORK AS SHOWN IN THE STRUCTURE PLANS.
- DURING THE TEMPORARY BRIDGE CLOSURE, OTHER PROPOSED BRIDGE WORK MAY BE PERFORMED AS APPROVED BY THE ENGINEER.
- STEP 2) UPON COMPLETION OF STEP 1, REMOVE CHANGEABLE MESSAGE SIGNS AND TEMPORARY DETOUR SIGNING AND REOPEN US 70 TO TRAFFIC.

 SEAL	APPROVED: DATE: 6/26/2011	PLAN PREPARED FOR NCDOT BY: E.G. WETHERILL, P.E. PROJECT ENGINEER C.L. MULLEN DESIGN ENGINEER _____ DESIGN TECHNICIAN
----------	------------------------------	--

TIP PROJECT:

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

US 70

HOLIDAY

1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 5:00 A.M. DECEMBER 31st TO 11:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 5:00 A.M. THURSDAY AND 11:00 P.M. MONDAY.
4. FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 11:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

B) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
US 70	5:00 AM TO 11:00 PM (MON. THRU THURS.) 5:00 AM FRIDAY UNTIL 11:00 PM SUNDAY

TRAFFIC PATTERN ALTERATIONS

C) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

D) INSTALL ADVANCE WORK ZONE WARNING SIGNS NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

E) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS

PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

F) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

G) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

H) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

MISCELLANEOUS

I) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

LOCAL NOTES

J) CONTRACTOR WILL HAVE A MAXIMUM OF 20 DAYS FOR CLOSURE OF ROADWAY

6/20/2011 8:53:24 AM P:\2009\0919\02 Carteret#29 Fender Dsgn\Traffic Control\beaufort_top_psh2.dgn

559 Jones Franklin Rd. Suite 164
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
License: F-0377

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

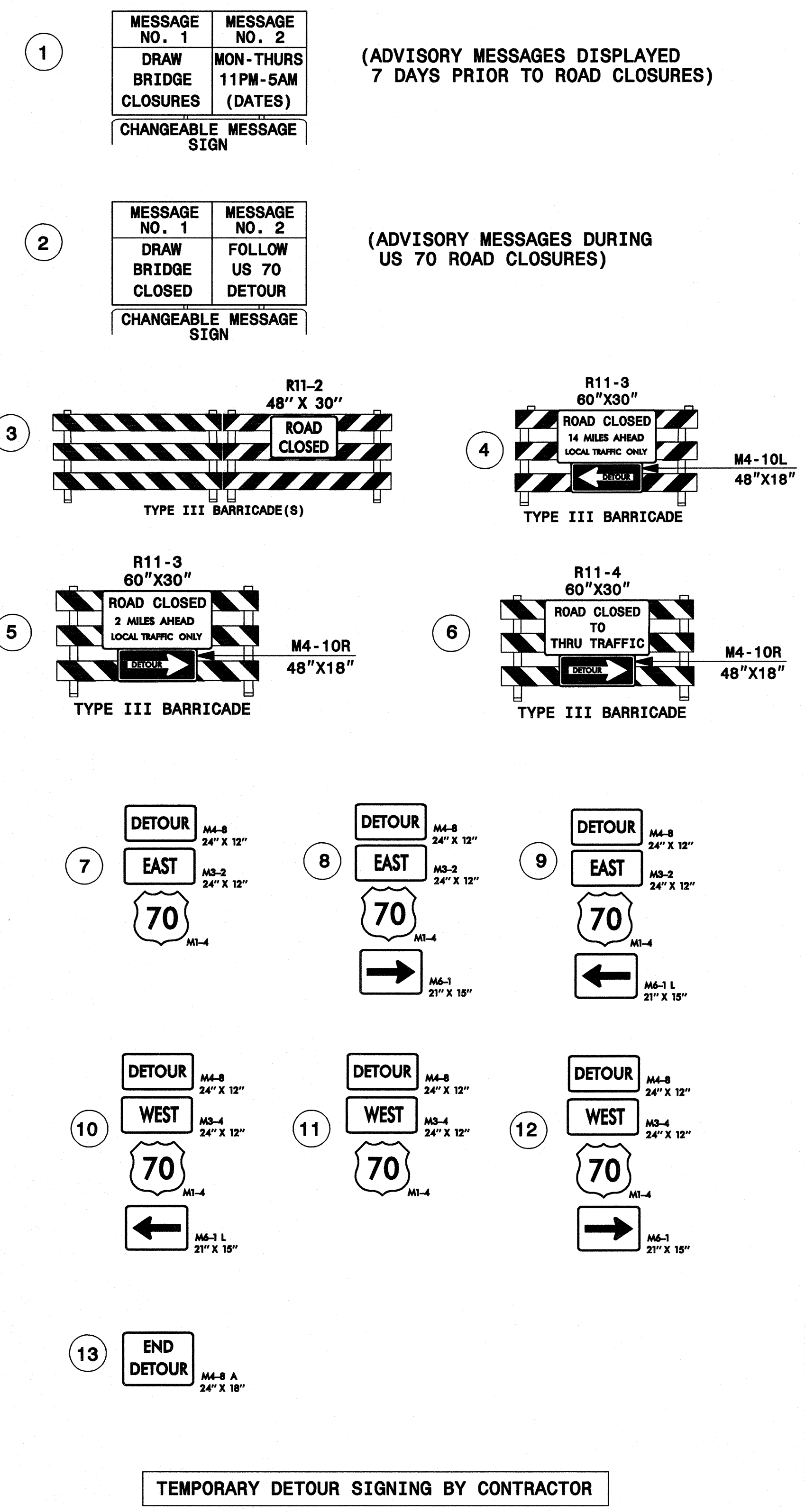
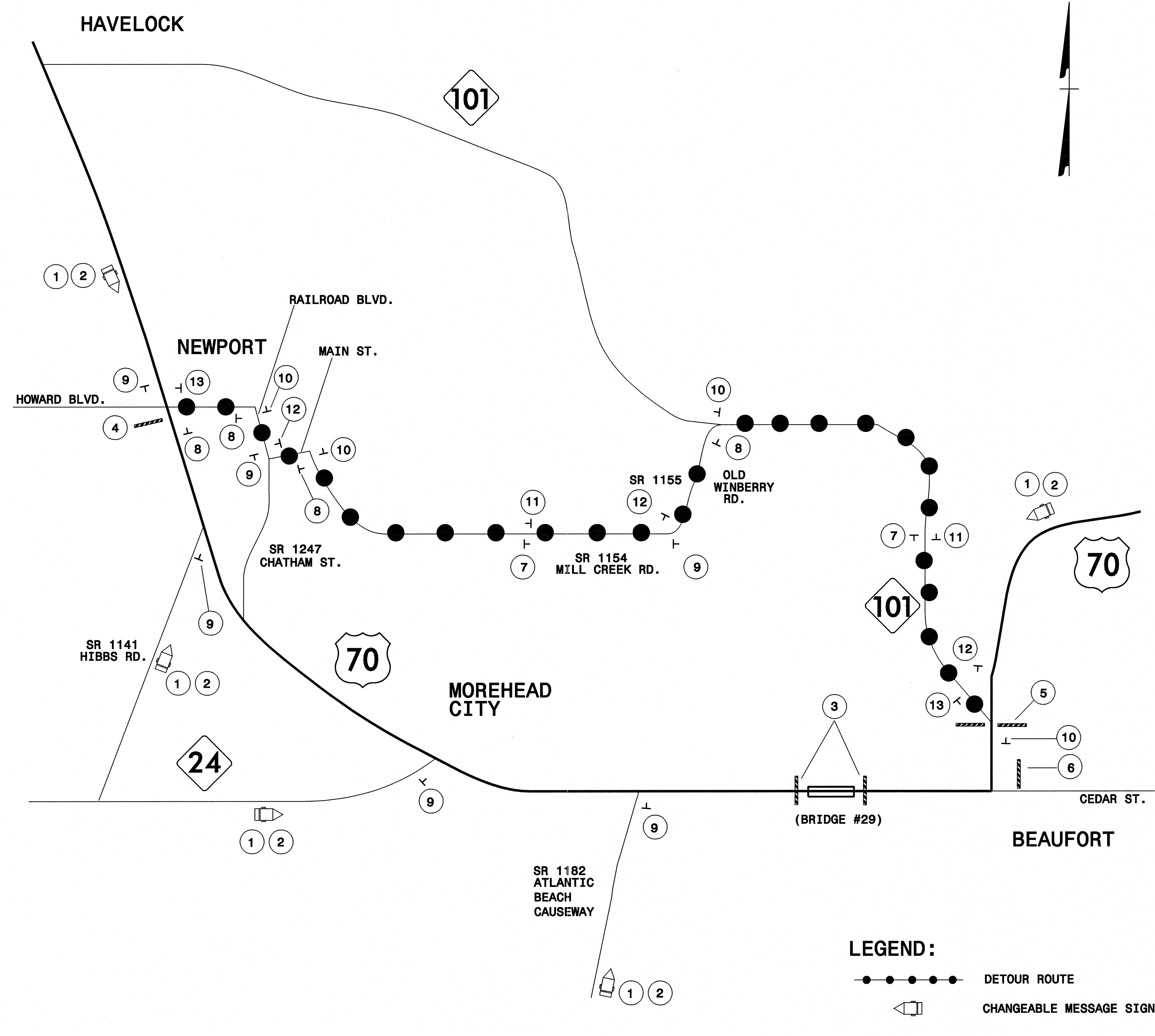
APPROVED: DATE: 6/20/2011

SEAL

GENERAL NOTES

SCALE: NONE		REVISIONS
DATE:		
DWG. BY:		
DESIGN BY:		
REVIEWED BY:		

CADD FILE



NOTES:
 LOCATE CHANGEABLE MESSAGE SIGNS APPROXIMATELY 1 MILE IN ADVANCE OF DETOUR POINTS.
 REFER TO ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9, FOR CLOSURE BEYOND DETOUR POINTS.

ETHERILL ENGINEERING
 559 Jones Franklin Rd. Suite 164
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 License: F-0377

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

APPROVED: [Signature] DATE: 6/20/2011

US 70 TEMPORARY OFF-SITE DETOUR ROUTE

SCALE: NONE	REVISIONS
DATE: 12/08	
DWG. BY: CLM	
DESIGN BY: CLM	
REVIEWED BY: BAM	

SEAL: [Professional Engineer Seal for Edward G. Wetherill, License No. 10773]

6/20/2011 8:54:56 AM P:\2009\0919\02 Carteret+29 Fender Dsgn\Traffic Control\beaufort_top_psh3.dgn