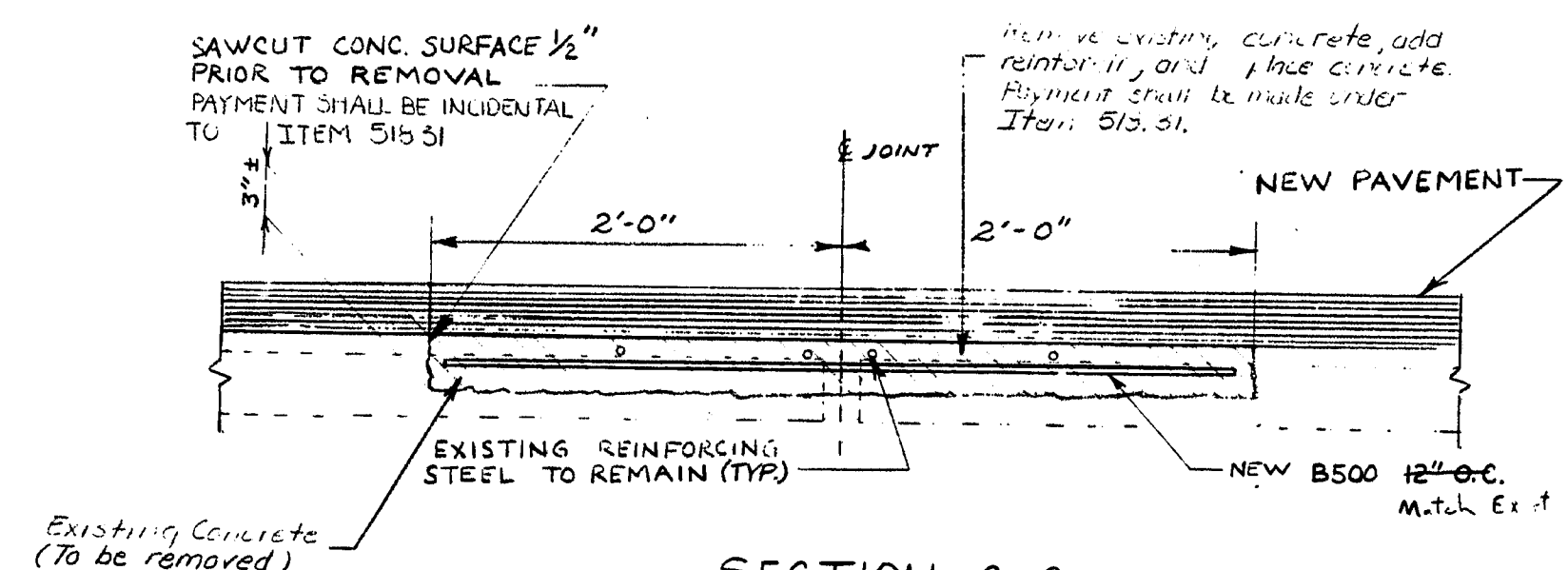
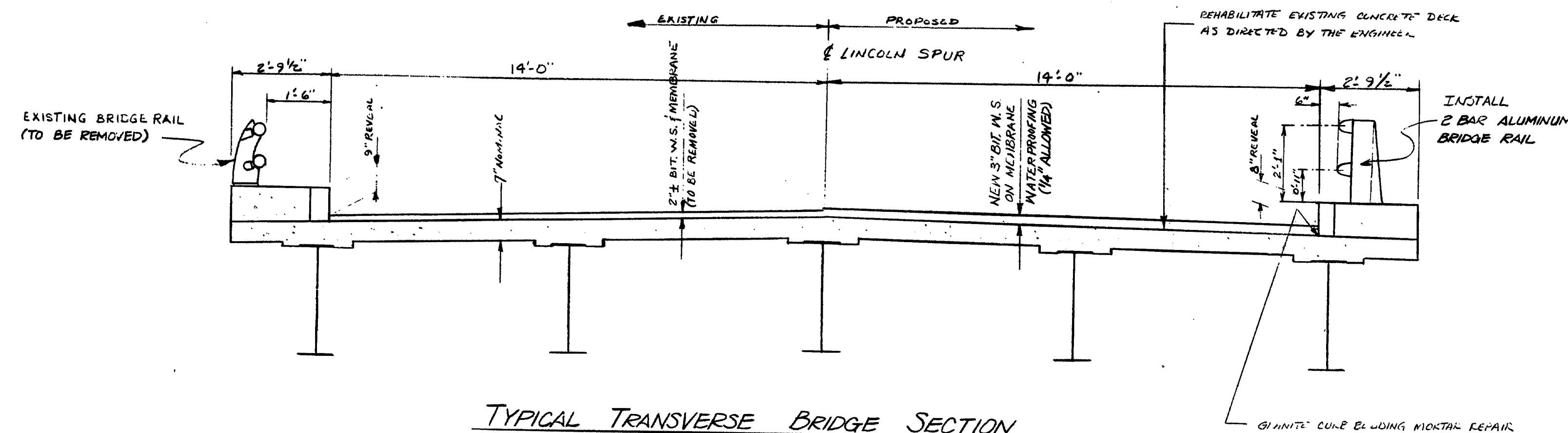
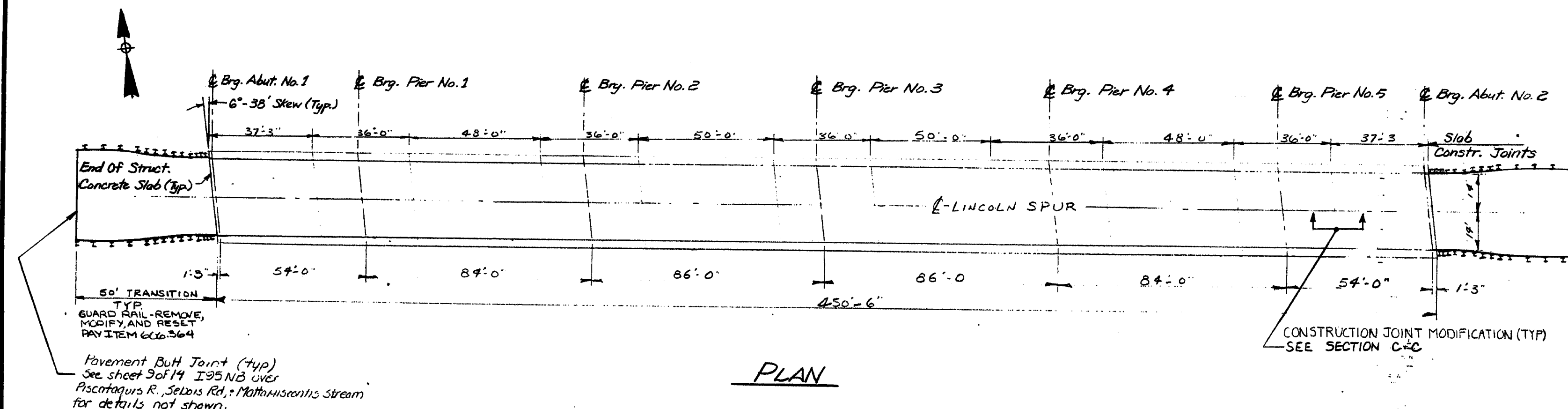


| F.R.D. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|------------|-------|-----------------|-----------|--------------|
| 1 | MAINE | IR-1M-95-8(197) | 10 | 14 |
| 004200.00 | | | | |



SECTION C-C
CONSTRUCTION JOINT DETAIL (TYP)

SPECIFICATIONS

DESIGN: LOAD FACTOR: DESIGN PER AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 1989 AND INTERIM SPECIFICATIONS 1990 AND 1991.

CONTRACT: STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, HIGHWAYS & BRIDGES, REVISION OF OCT. 1990.

SCOPE OF WORK

REPLACE EXISTING BITUMINOUS PAVEMENT WEARING SURFACE AND MEMBRANE WATERPROOFING WITH NEW MEMBRANE WATERPROOFING AND 3" BITUMINOUS PAVEMENT WEARING SURFACE.

REHABILITATE STRUCTURAL CONCRETE SLAB.

REMOVE EXISTING, AND INSTALL NEW BRIDGE RAIL.

REMOVE EXISTING, AND CONSTRUCT NEW STANDARD CONCRETE END POSTS. APPLY PROTECTIVE COATING TO CONCRETE SURFACES. REMOVE, MODIFY, AND RESET EXISTING APPROACH GUARD RAIL.

REMOVE CONCRETE DECK HAUNCHES 3'-0" FROM C.BEARING AT ABUTMENTS. INSTALL SHEAR CONNECTORS (DOUBLE STUDS) ON BEAMS AT ENDS OF DECK SLAB. CONSTRUCT NEW CONCRETE DECK HAUNCHES WITH REINFORCING STEEL. INSTALL NEW JOINT ARMOR, EXPANSION DAMS AND GLAND SEALS.

REHABILITATE SLAB CONSTRUCTION JOINTS.

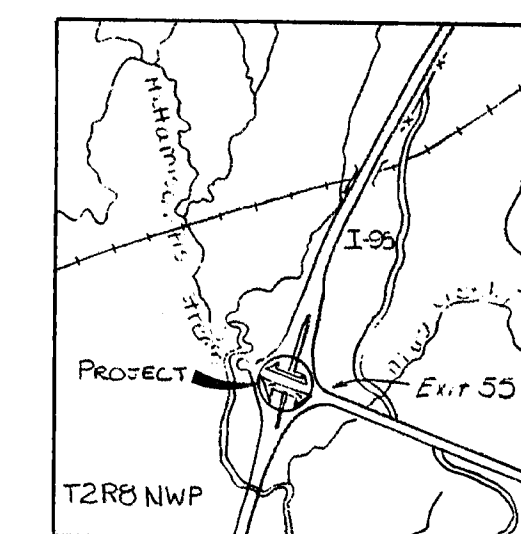
TRANSITION PAVEMENT ON LEADING AND TRAILING ENDS.

MAINTENANCE OF TRAFFIC

MAINTAIN ONE 11'-6" MINIMUM LANE OF TRAFFIC DURING CONSTRUCTION. SEE STAGE CONSTRUCTION DETAILS - SHEET 2

DESIGN LOADING

LIVE LOAD: HS20-44 (EXISTING)



LOCATION MAP

Notes: A Bridge Deck Evaluation report of the existing bridge is available for the Contractor's reference at the Bridge Design Office in Augusta. The report contains visual inspection information and deck core data for this bridge. There is no assurance that the information in the report is a true representation of the conditions of the entire deck.

Notes: The load of the existing bridge is available for the Contractor's reference at the Bridge Design Office in Augusta. The report contains visual inspection information and deck core data for this bridge. There is no assurance that the information in the report is a true representation of the conditions of the entire deck.

TRAFFIC DATA

| | |
|-------------------------|------|
| AADT (1992) | 1500 |
| AADT (2012) | 2400 |
| DHV-% OF AADT | 11 |
| DESIGN HOUR VOLUME | 264 |
| % HEAVY TRUCKS (AADT) | 21 |
| 18 KIP EQUIVALENT P.2.5 | 279 |

107-393

Revised As Built 1993 P. Roberts
BRIDGE NO. 6074

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

LINCOLN SPUR
OVER
INTERSTATE 95
IN THE TOWN OF
T2R8 NWP

PENOBSCOT COUNTY
GENERAL PLAN

SHEET 10 OF 14 AUGUSTA, MAINE

| F.R.A. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---------------|-------|-----------------|-----------|--------------|
| 1 | MAINE | IR-TM-95-B(147) | 11 | 14 |

CONSTRUCTION NOTES

- The top surface of existing concrete slabs shall be repaired as directed by the Engineer in accordance with Supplemental Specification Section 518, Rehabilitation of Structural Concrete Bridge Decks.
- Rehabilitate the concrete deck at slab joints, between the existing curbs, as directed by the Engineer.
- Repair granite bedding mortar in accordance with Special Provision 518, Repairing Granite Curb Bedding Mortar.
- Reinforcing steel shall have 2 inch minimum cover unless otherwise noted.
- Protective coating for concrete surfaces shall be applied to the following areas:
 - all exposed areas of concrete and posts
 - top and fascia of all curbs down to the drip notch
- All work shall be done behind temporary concrete barriers.
- Depress the bituminous wearing surface around the existing bridge drains as directed by the Engineer.
- The gland seals to be furnished shall have a minimum Movement Rating of 2 3/4".
- The seal shall be approved by the Engineer prior to fabrication of the joint armor.
- The joint opening will vary depending on the dimensions of the seal selected by the contractor. The joint opening shall be set according to the opening shown on the approved shop drawings.
- The joint armor shall be installed in two sections which shall allow one lane of traffic over the bridge during construction. The two sections of joint armor are to be welded in the field to produce one continuous section. Two coats of paint will be applied in accordance with Special Provision Section 506, Zinc Hydroxy Phosphate - Code Number ZHP-1.
- The seals shall be installed in one continuous length. Splicing on the seal will not be allowed.
- The existing finger joints shall be modified as shown on the plans.
- MODIFICATIONS TO GUARDRAIL FOR CONFORMANCE WITH STANDARD DETAILS ON BD 201-89, INCLUDING MATERIALS AND LABOR, WILL BE CONSIDERED INCIDENTAL TO ITEM 606.364.
- EXISTING BRIDGE RAIL SHALL BE DELIVERED TO MOOT BRIDGE MAINTENANCE LOT. PAYMENT SHALL BE INCIDENTAL TO ITEM 202.15.

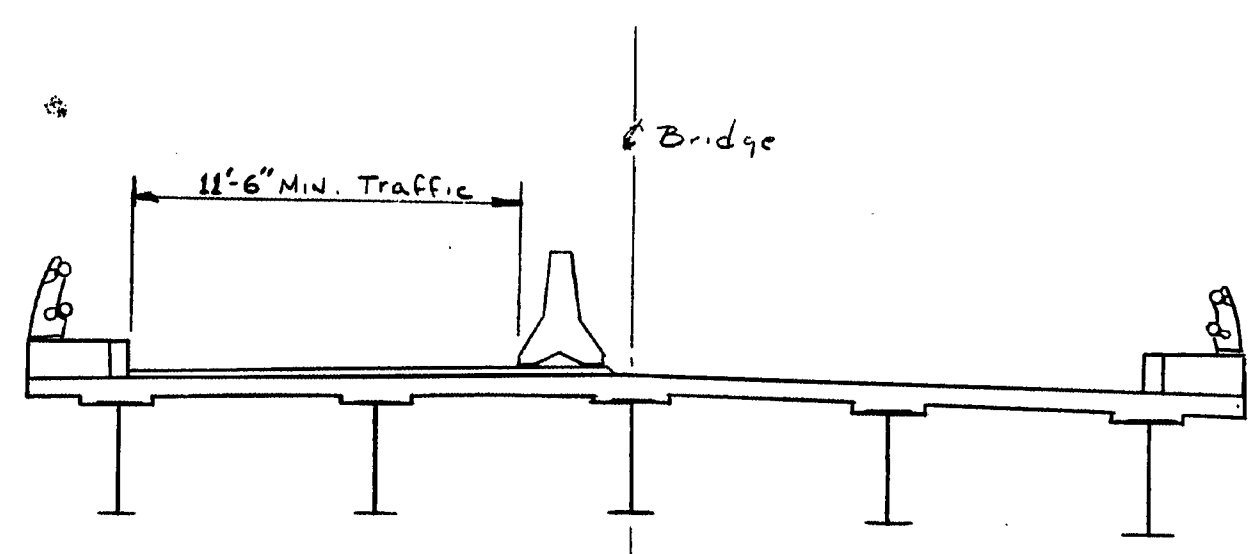
| GLAND SETTING TABLE | |
|---------------------|---------|
| TEMPERATURE (°F) | |
| 120 | 5/8" |
| 105 | 7/8" |
| 90 | 1 1/8" |
| 75 | 1 1/16" |
| 60 | 1 3/8" |
| 45 | 2" |
| 30 | 2 1/4" |
| 15 | 2 3/16" |
| 0 | 2 7/8" |
| -15 | 3 1/8" |
| -30 | 3 3/8" |

- All labor, equipment and materials necessary to remove and replace 3' of deck at the curb shall be included in Item 520.245 except reinforcing steel, membrane, hot bituminous pavement and shear connectors which shall be paid under the appropriate contract items.
- For details of membrane waterproofing not shown, see BD 521-89.
- Removal of existing guard rail attachments will be paid for under Item 202.17.

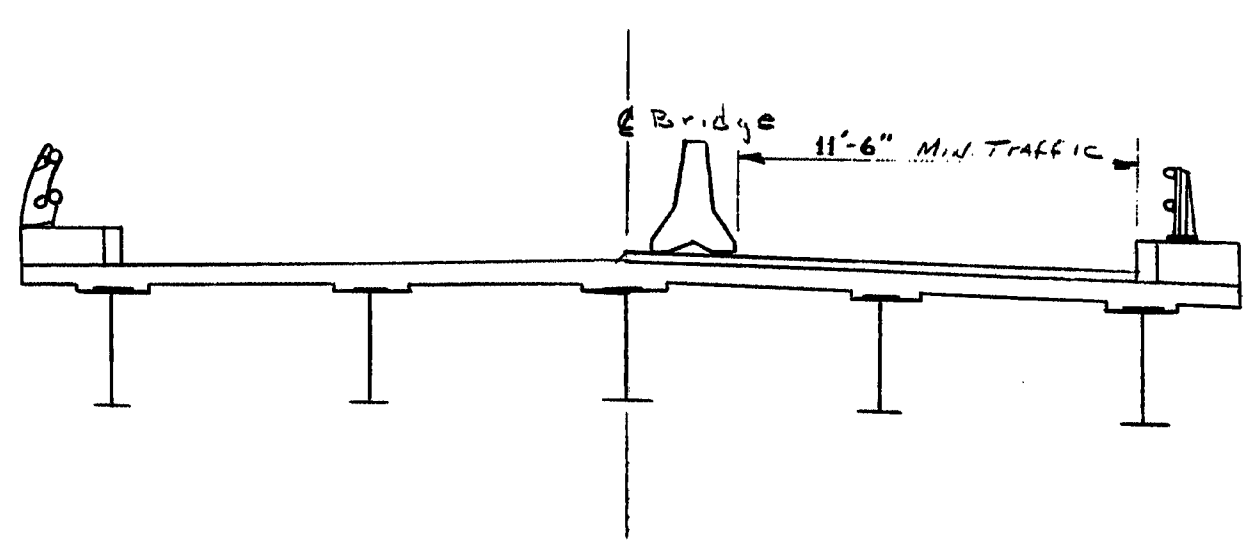
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

LINCOLN SPUR
OVER
INTERSTATE 95
IN THE TOWN OF
T2R8 NWP
PENOBSCOT COUNTY
DETAILS

SHEET 11 OF 14 AUGUSTA, MAINE



STAGE I - REMOVE HALF OF BITUMINOUS CONCRETE PAVEMENT & MEMBRANE. PERFORM ALL REQUIRED REPAIR & REPLACEMENTS NECESSARY BEHIND TEMPORARY BARRIERS. INSTALL MEMBRANE, PAVE CLOSED HALF OF ROADWAY WITH ONE COURSE OF HOT BITUMINOUS PAVEMENT.

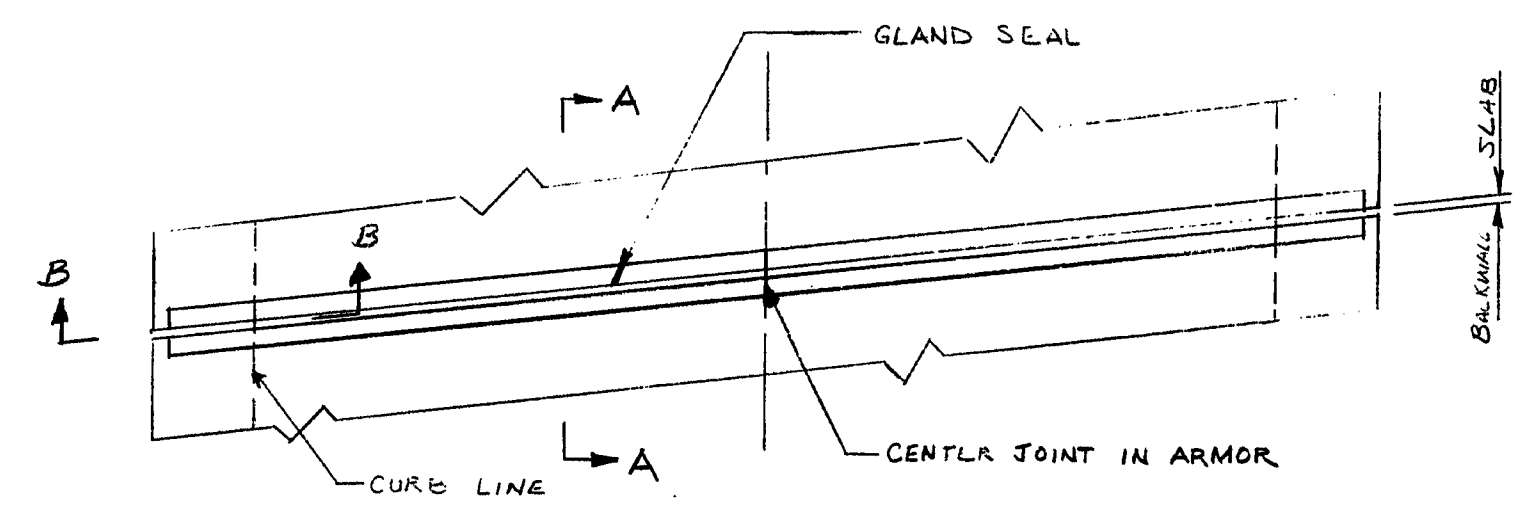


STAGE II - RELOCATE TEMPORARY CONCRETE BARRIER AND REMOVE REMAINING BITUMINOUS CONCRETE PAVEMENT AND MEMBRANE. PERFORM REMAINING NECESSARY REPAIRS AND REPLACEMENTS. INSTALL MEMBRANE, PAVE CLOSED HALF OF ROADWAY WITH ONE COURSE OF HOT BITUMINOUS PAVEMENT.

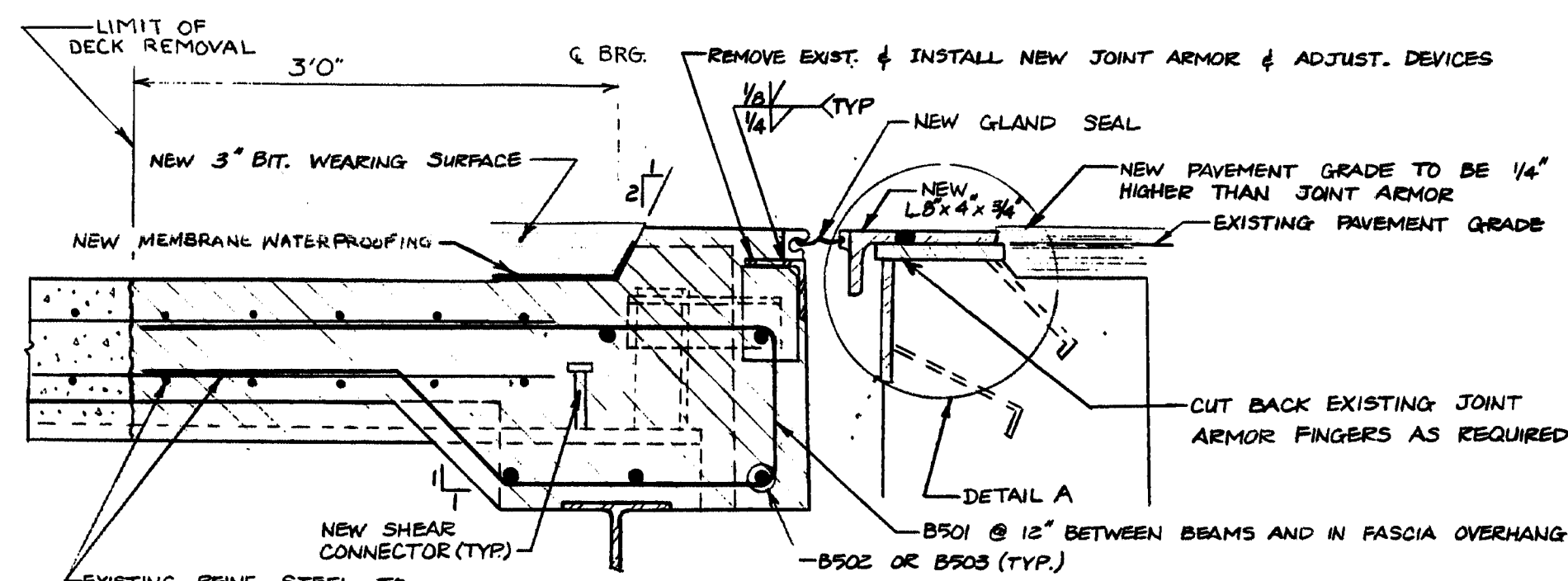
STAGE III - REMOVE TEMPORARY CONCRETE BARRIER, PAVE FINAL COURSE OF HOT BITUMINOUS PAVEMENT AND APPROACH TRANSITIONS IN ONE OPERATION.

NOTE - MAINTAIN A MINIMUM OF ONE SIGNALIZED TRAFFIC LANE AT ALL TIMES.

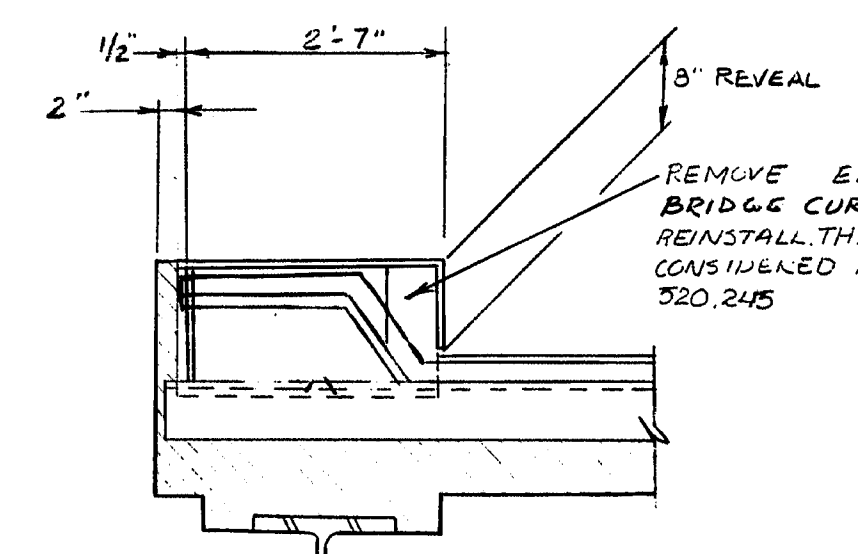
STAGE CONSTRUCTION



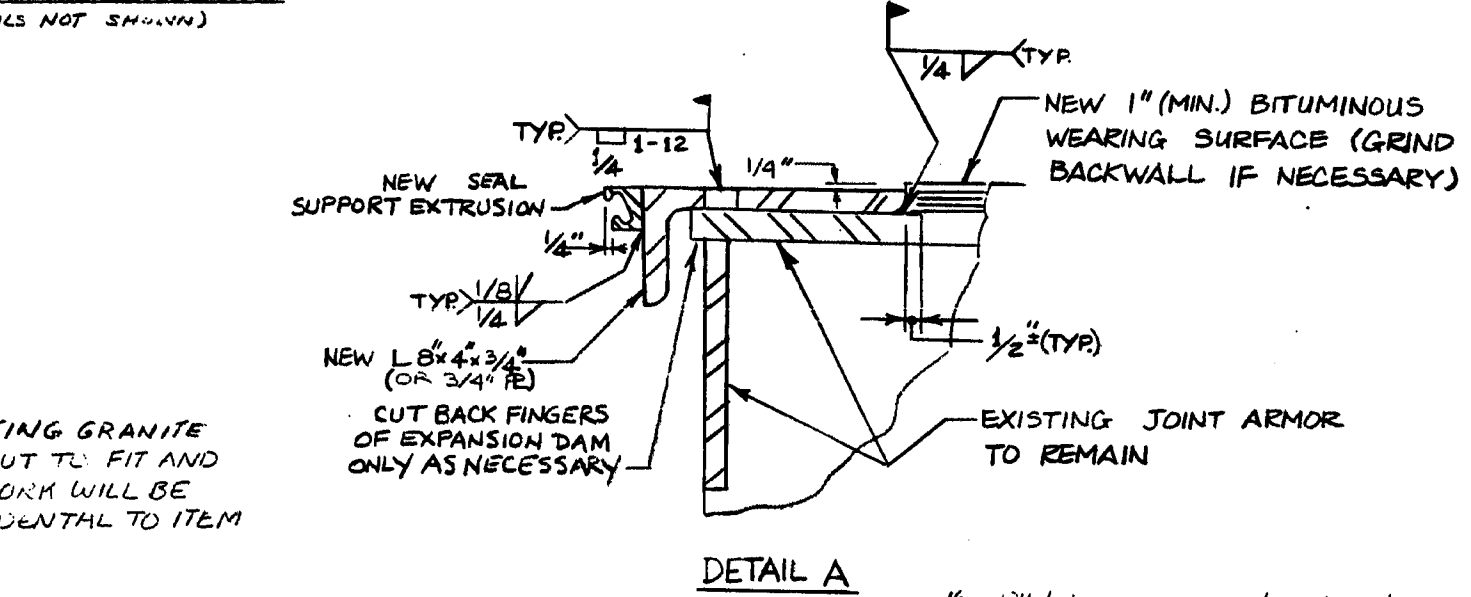
PLAN
ABUTMENT JOINTS WITH MODIFICATION FOR GLAND SEAL.
(TYP. BOTH ABUTMENTS)



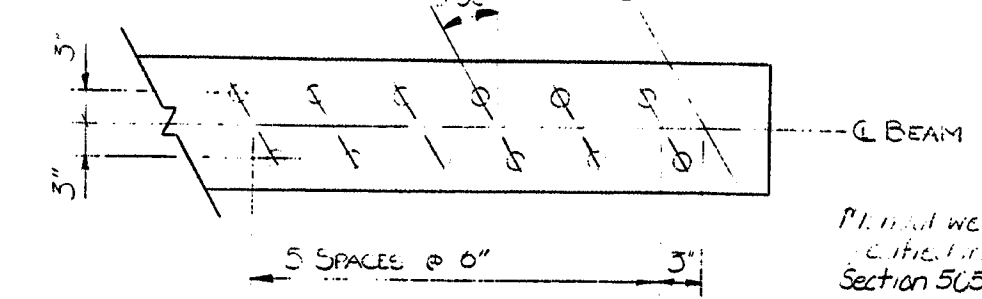
SECTION A-A
EXPANSION JOINT MODIFICATION
(REFER BD 302-89 FOR DETAILS NOT SHOWN)



SECTION B-B
CURB DETAIL
FOR DETAILS NOT SHOWN SEE BD 302-89



DETAIL A



SHEAR CONNECTOR LAYOUT
FOR DETAILS NOT SHOWN SEE BD 521-89

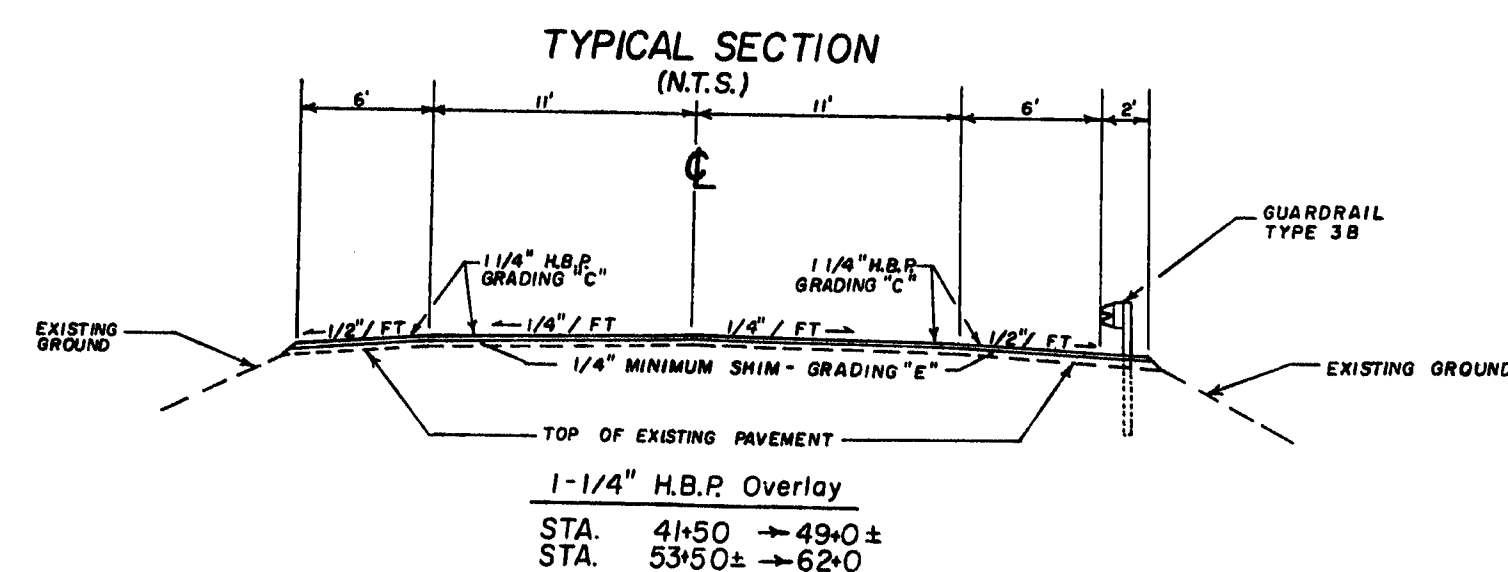
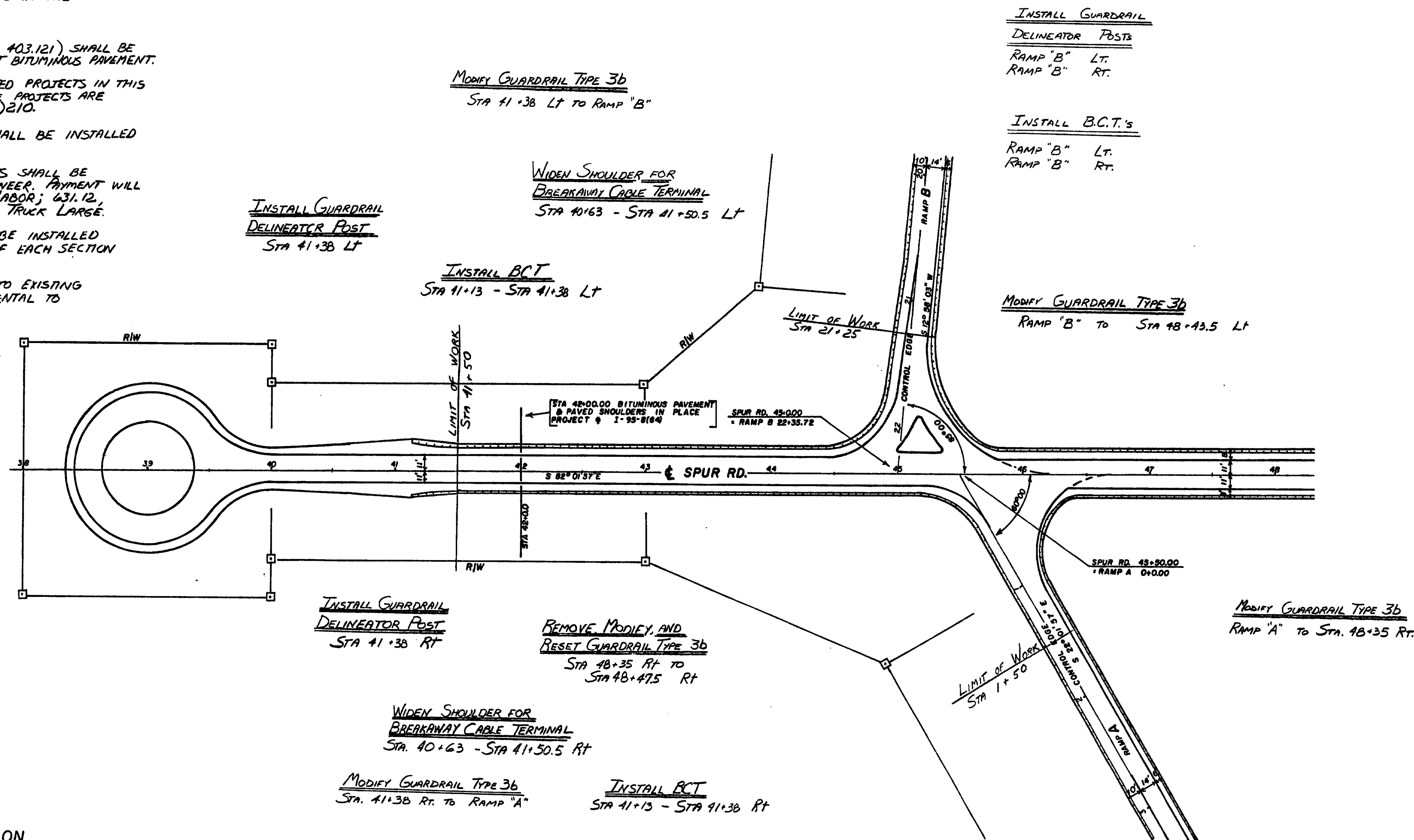
| PROJECT ENGINEER | DATE |
|------------------|------|
| BY | 3/72 |
| CHECKED | 3/72 |
| REVISIONS | |
| FIELD CHANGES | |

BRUNING 44-132 45710-1

107-394

GENERAL NOTES

1. NO UTILITY INVOLVEMENT IS ANTICIPATED.
2. ANY EXISTING PAVED SIDE ROADS OR SHOULDERS SHALL BE RESURFACED AS DETERMINED IN THE FIELD BY THE ENGINEER.
3. A VARIABLE DEPTH SHIM COURSE (ITEM #03.121) SHALL BE APPLIED PRIOR TO PLACING THE 1 1/4" HOT BITUMINOUS PAVEMENT.
4. PLAN SHEETS OF PREVIOUSLY CONSTRUCTED PROJECTS IN THIS AREA ARE AVAILABLE ON REQUEST. THESE PROJECTS ARE IR-95-8(117)209, AND I-95-8(64)210.
5. ONE GUARDRAIL DELINEATOR POST SHALL BE INSTALLED AT EACH GUARDRAIL END.
6. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE MADE UNDER ITEMS 629.05, HAND LABOR; 631.12, ALL PURPOSE EXCAVATOR; AND 631.172, TRUCK LARGE.
7. BREAKAWAY CABLE TERMINALS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.
8. CONNECTIONS FOR PROPOSED GUARDRAIL TO EXISTING GUARDRAIL WILL BE CONSIDERED INCIDENTAL TO ITEM 606.
9. ALL EXCESS GUARDRAIL SHALL BE THE PROPERTY OF THE STATE AND WILL BE STOCKPILED AT THE WEST EMPIRE MAINTENANCE LOT LOCATED ON U.S. ROUTE 2, ABOUT 0.5 MILES SOUTH OF THE JUNCTION OF U.S. ROUTE 2 AND ROUTE 155. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL AND STOCKPILING.



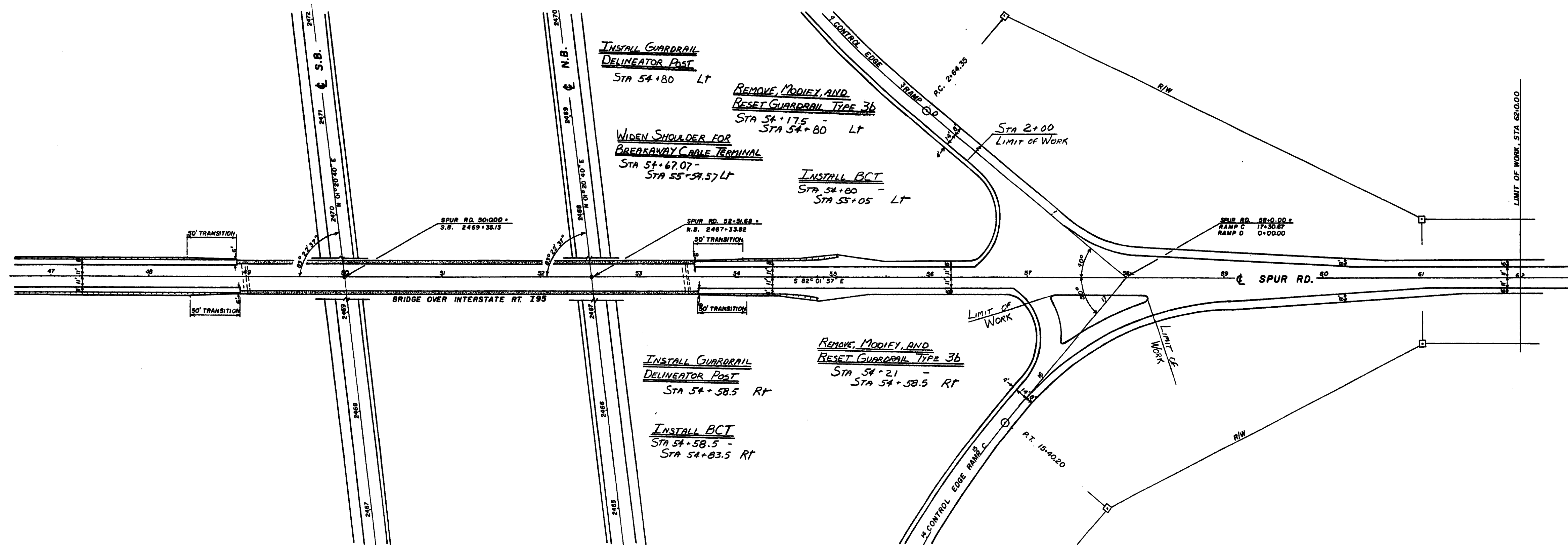
| PROJECT DESIGN ENGINEER | DATE |
|-------------------------|-------|
| DESIGN - DETAILED | 10/93 |
| CHECKED | |
| REVISIONS | |
| FIELD CHANGES | |

REVISED "AS BUILT" 1993 D. GAYNE
107-395

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| STATE OF MAINE DEPARTMENT OF TRANSPORTATION |
| T2R8 95 |
| IR-1M-95-8(147) |
| 50' 0 50' 100' |
| SHEET 13 OF 14 AUGUSTA, MAINE |

| F.R.D.A. DES. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|-----------------|-----------|--------------|
| 1 | MAINE | IR-IM-95-8(147) | 14 | 14 |

T2R8



| | |
|-------------------------|------|
| PROJECT DESIGN ENGINEER | DATE |
| DESIGN - DETAILED | 5/93 |
| CHECKED | |
| REVISIONS | |
| FIELD CHANGES | |

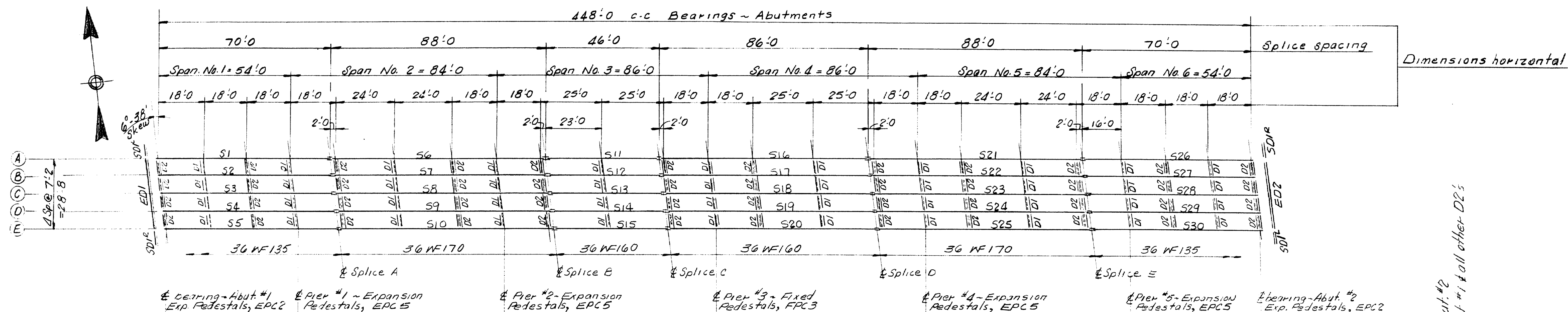
REVISED "AS BUILT" 1993 D. GAYNE

107-396

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

T2R8 96
IR-IM-95-8(147)

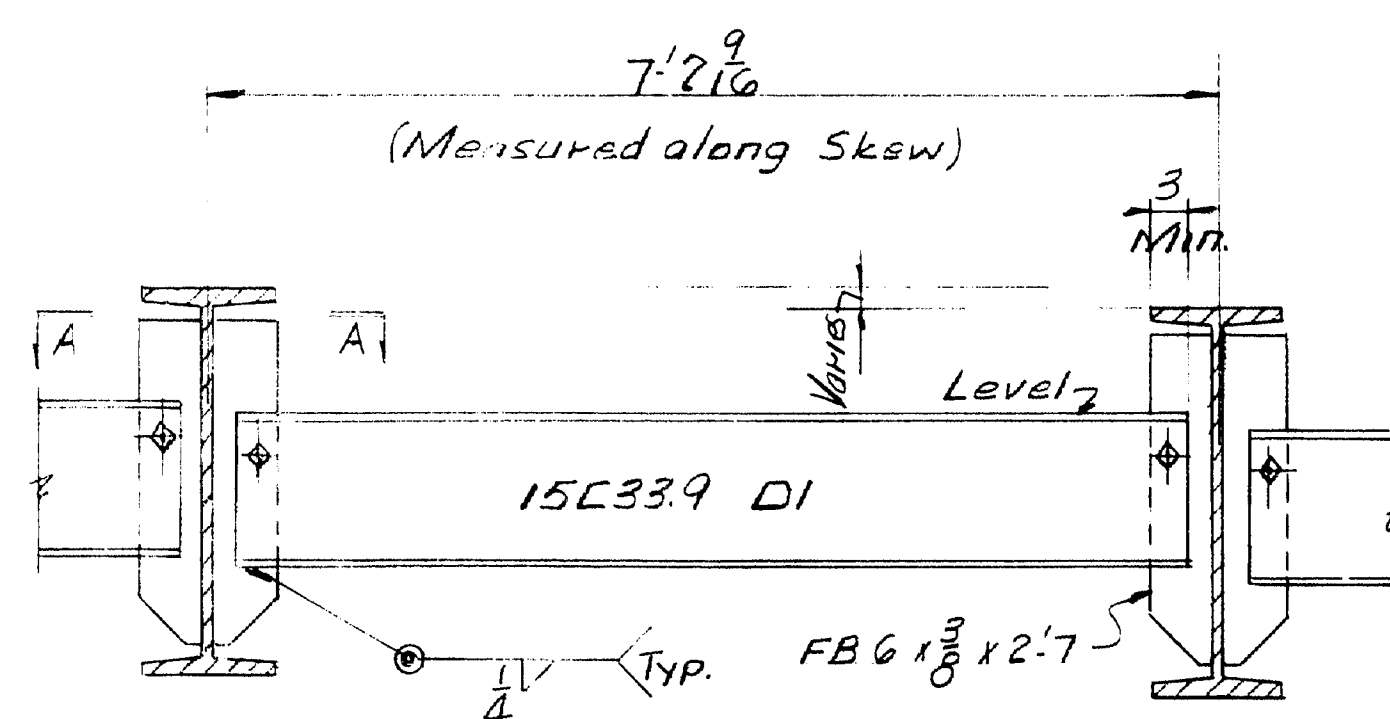
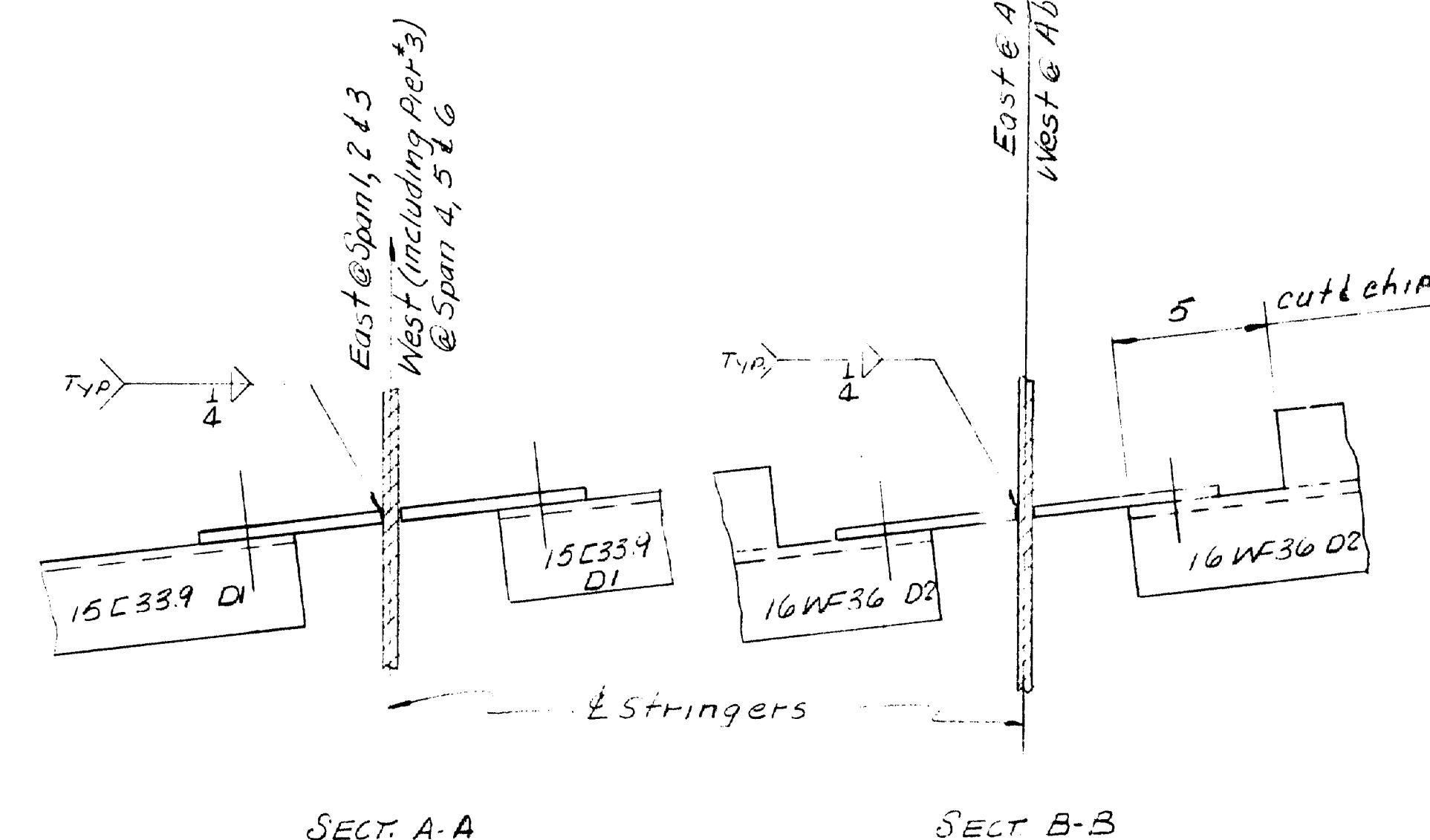




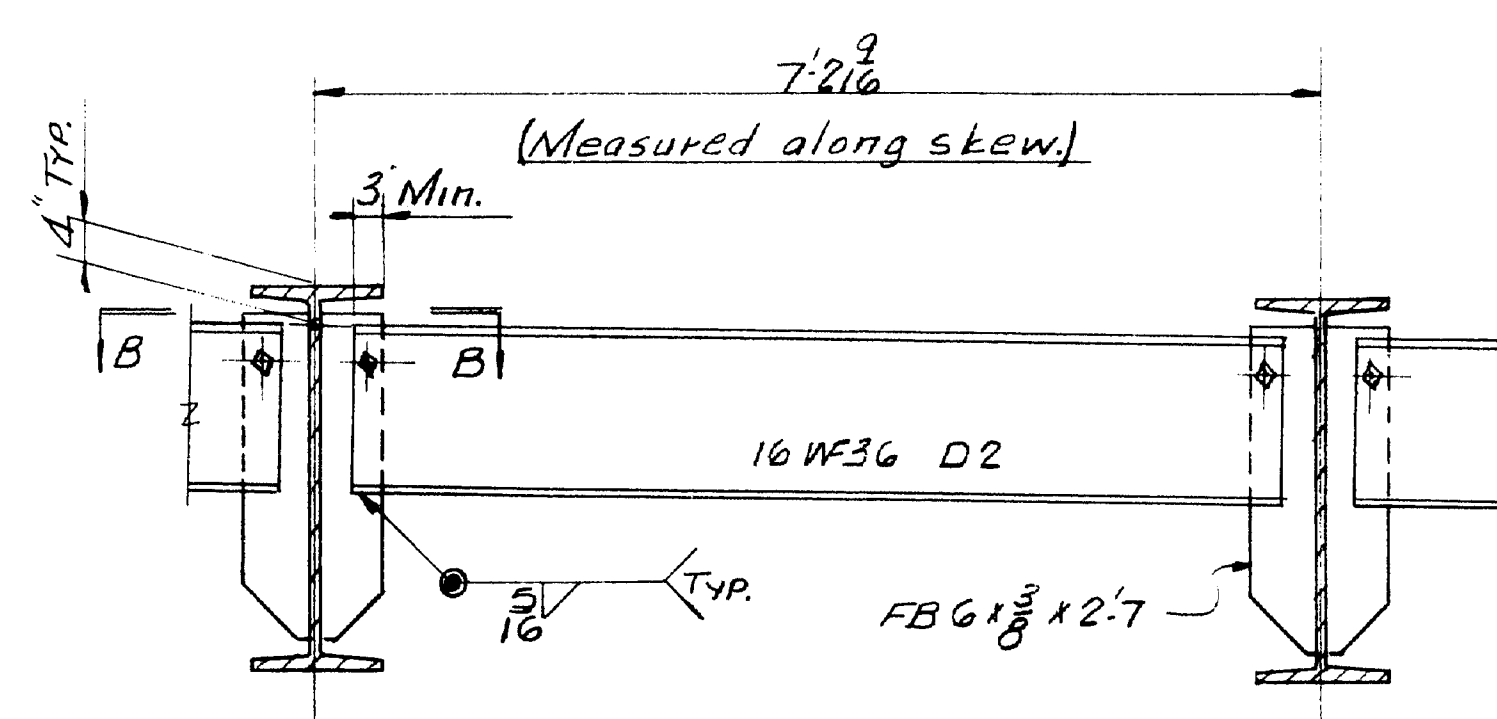
ERECTION DIAGRAM

NOTES:

- 1- Plug form bracket holes (for Fleming brackets) with 3/4 x 1/4 long carriage bolts. Heads to be on outside and are to be completely covered.
- 2- Letter of compliance required for electrodes and flux.



INTERMEDIATE DIAPHRAGMS

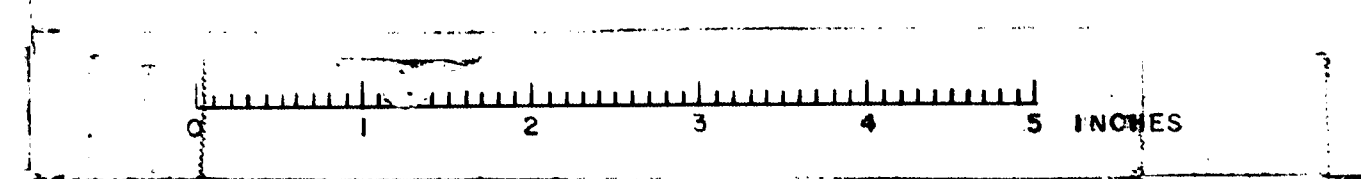


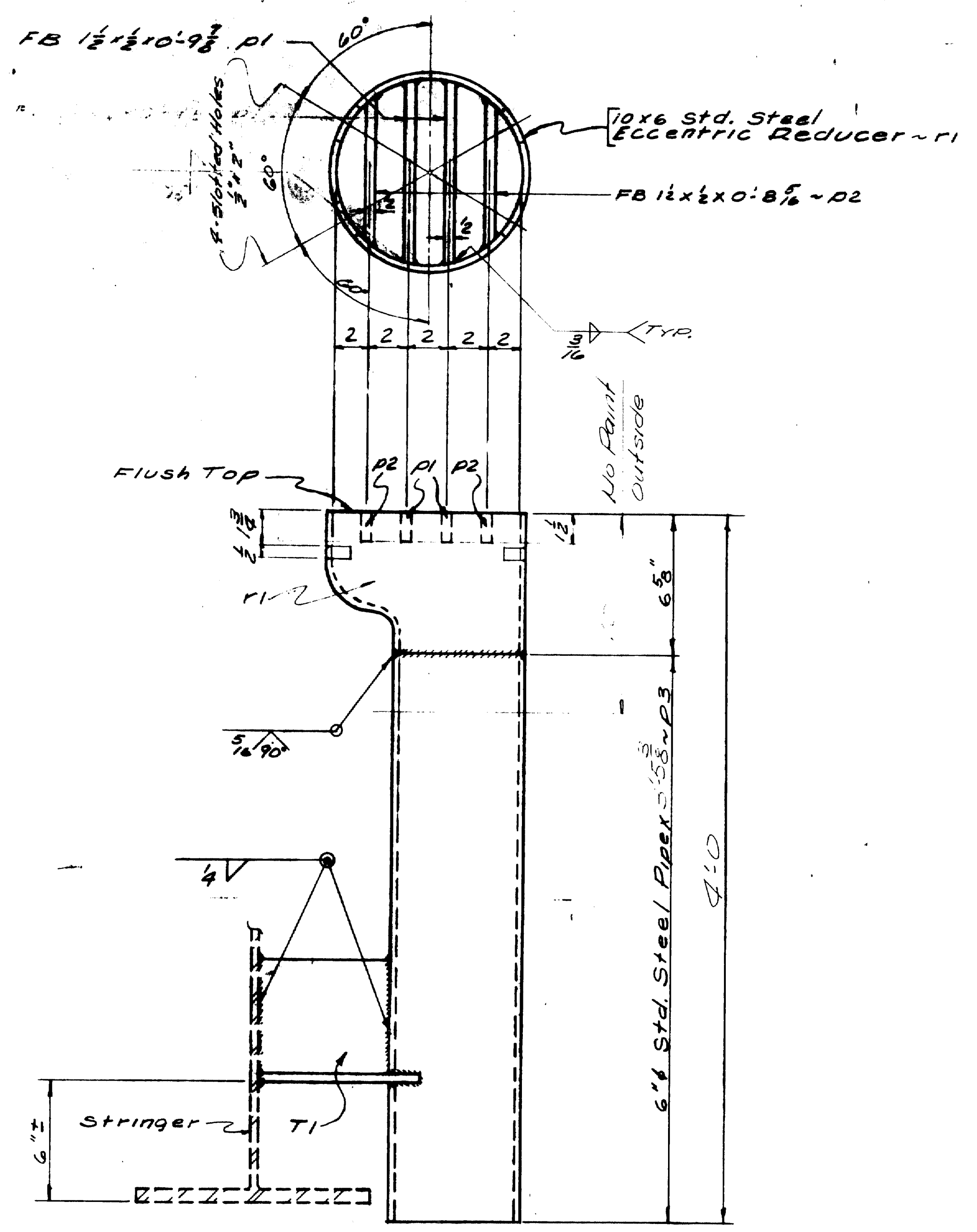
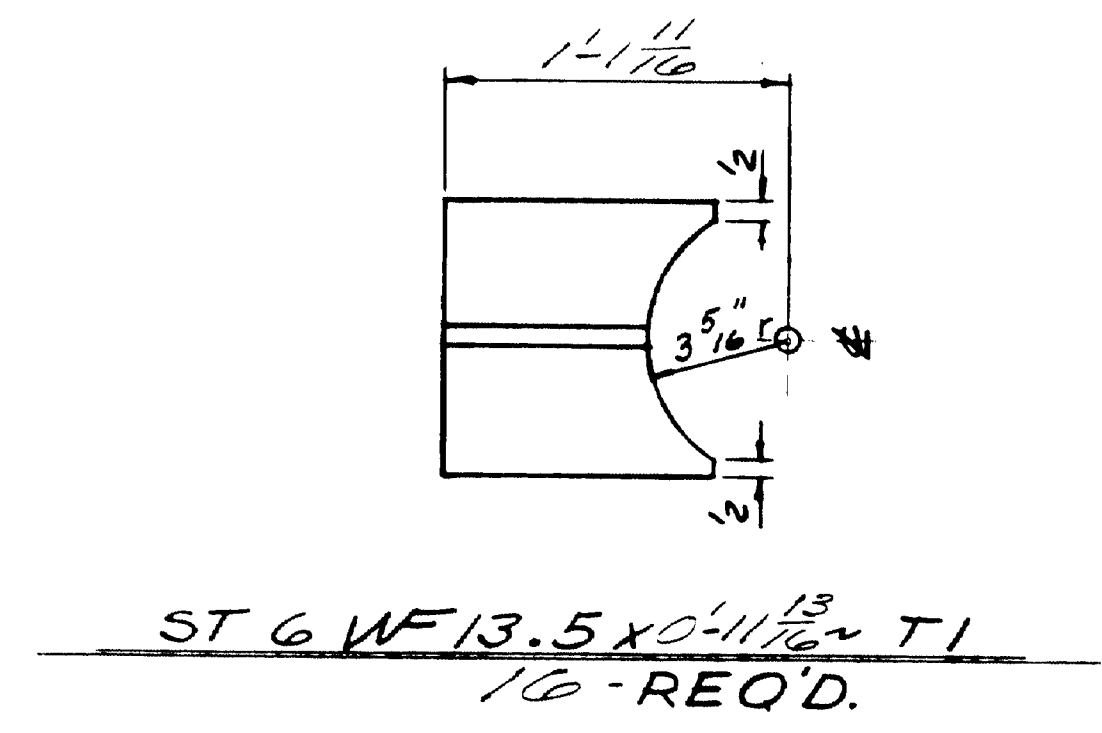
DIAPHRAGMS @ ABUT. & CONSTRUCTION JOINTS

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|----------|-------------|
| DRAWN | 6-22-65 Rjm |
| REVISION | |
| REVISION | |
| REVISION | |

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|--------------------------------------|--------------------|
| PROJECT No. 145-B (51) | |
| ERECTION DIAGRAM | |
| Bancroft & Martin, Inc. | |
| South Portland 7, Maine | |
| LINCOLN SPUR OVER I-95 | |
| (T2-R8) FENOBSCOT COUNTY, ME. | |
| CUSTOMER: LANCHETTE BROS., INC. | |
| DESIGNER: MAINE S.H.C. - BRIDGE DIV. | |
| ORDER NO. VERBAL | DWG. NO. 65-131-E1 |

94-22





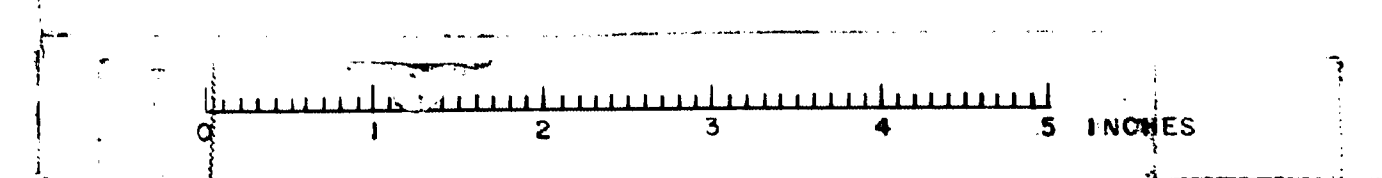
DRAIN DRI ~ 1/6 - REQ'D.

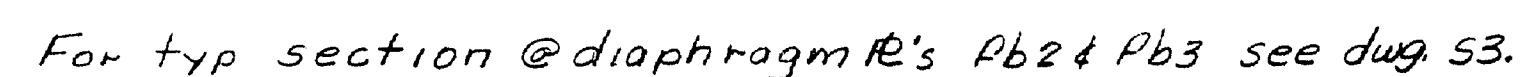
NOTE:
SEE STATE'S DWGS. FOR
DRAIN LOCATION

| SHIP | | BILL OF MATERIAL | | | DWG. NO. 23-15482 | |
|------|-----|------------------|----------------|----------|-------------------|--|
| MARK | NO. | MARK | SHAPE | LENGTH | WT. | REMARKS |
| DR1 | 1/6 | | Shop Assy | — | | |
| T1 | 1/6 | | ST 6 WF 13.5 | 0 11 1/2 | | |
| | 32 | P1 | FB 1 1/2 x 1/2 | 0 9 1/8 | | |
| | 32 | P2 | do | 0 8 5/8 | | |
| | 1/6 | P3 | 6" STD. PIPE | 3 5 1/2 | | |
| | 1/6 | F1 | 10 X 6 | 0 7 | | Std. Steel Eccentric Reducer Req. # 3067 |
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SHOP CONNECTIONS: WELDED
FIELD CONNECTIONS: WELDED
HOLES: _____
PAINT: PER ME. STATE SPECS.
RED LEAD & OIL & AS NOTED

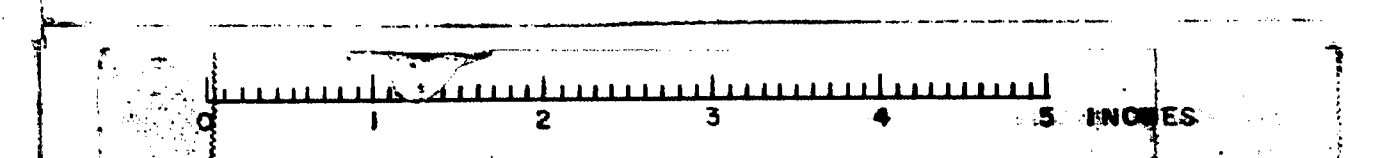
| | |
|---|-----------------------|
| DRAIN DETAILS | |
| Bancroft & Martin Inc. South Portland 7, Maine | |
| LINCOLN PLANT OVER I-95 T2 R3 PENOBSCOT COUNTY, MAINE | |
| CUSTOMER | SHAW-WETZ BROS., INC. |
| DESIGNER | M.S.H.C. |
| ORDER NO. | Verbal |
| DWG. NO. | 25-131-S2 |

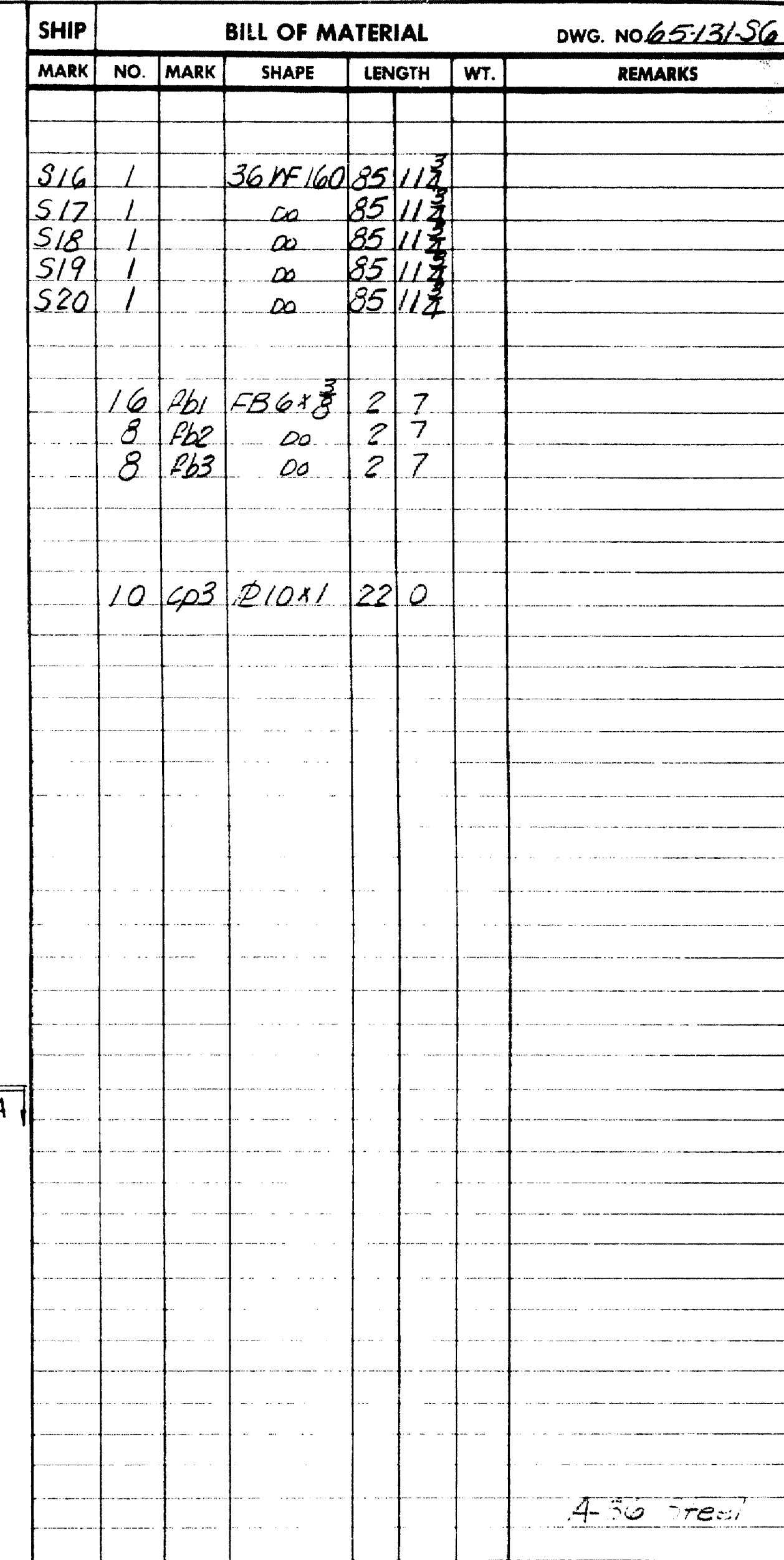




I 702-103.0

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| ORDER NO. <u>VERBAL</u> | DWG. NO. <u>65-131-35</u> |
|-------------------------|---------------------------|





SHOP CONNECTIONS: *Welded w/ E70 Rod*
FIELD CONNECTIONS: *Welded & Bolted*
HOLES: *1 1/2"*
PAINT: *Red lead per M.S.H. Specs*
As noted.

Splice HOLES ARE FOR HIGH TENSILE BOLTS
They are to be free from burrs
and shall not be painted on any
surface within 5" of such open
holes.

PROJECT NO. 1-45-8 (1)
STRINGER DETAILS SPAN 4

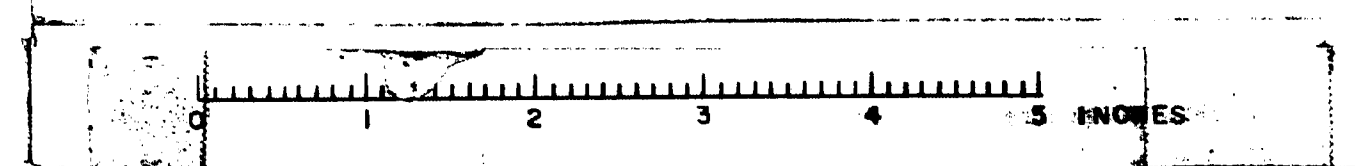
Bancroft & Martin Inc.
Leath Portland 7, Maine

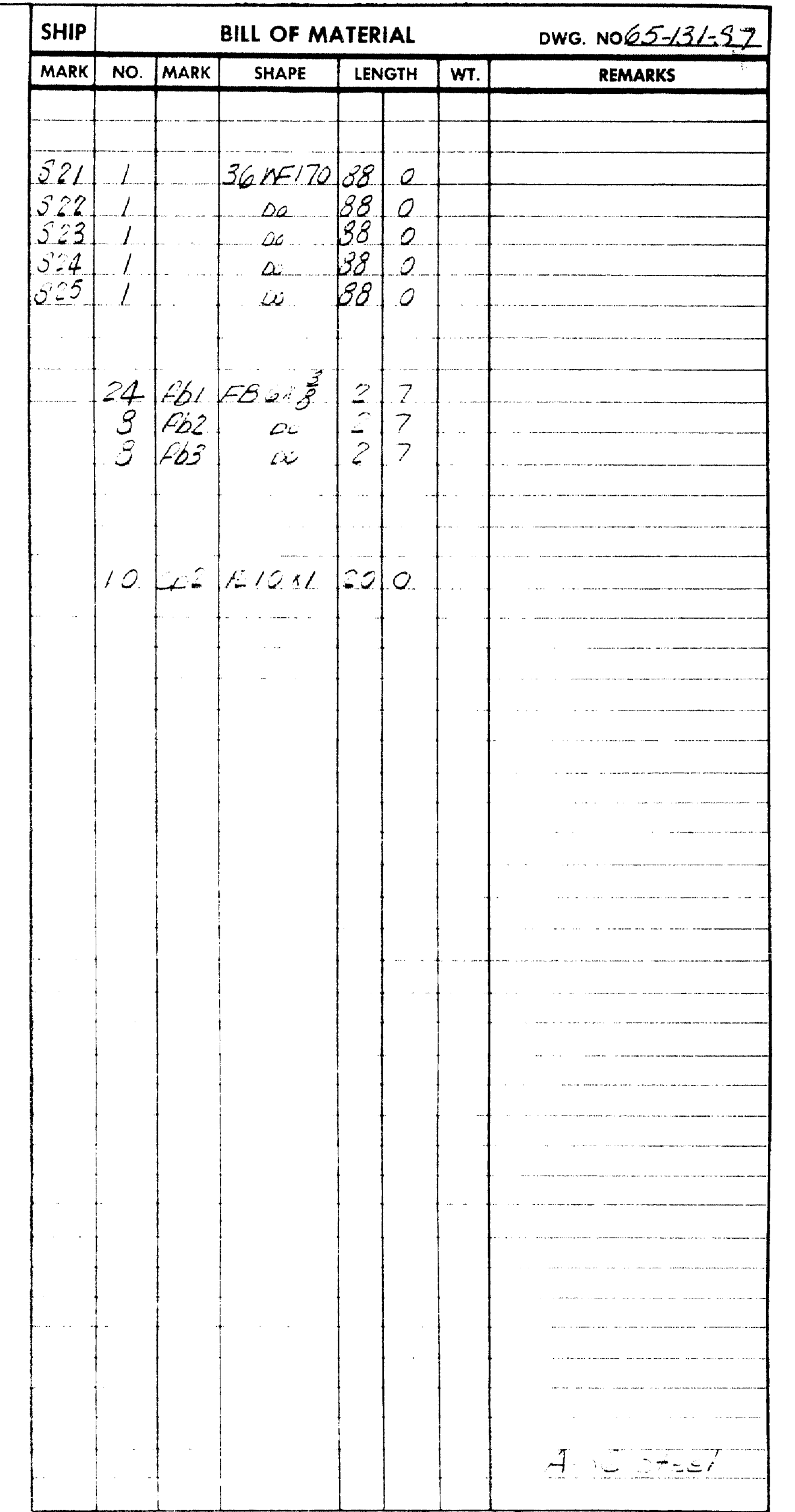
LINCOLN FOUR OVER I-25
(T2-R8) PENOBSCOT COUNTY, ME.

CUSTOMER CIANCHETTE BROS., INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

| | |
|-------------------------|---------------------------|
| ORDER NO. <u>VERBAL</u> | DWG. NO. <u>65-121-50</u> |
|-------------------------|---------------------------|

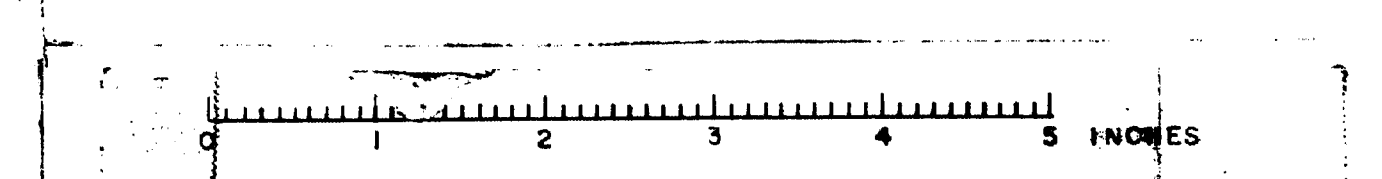
94-28

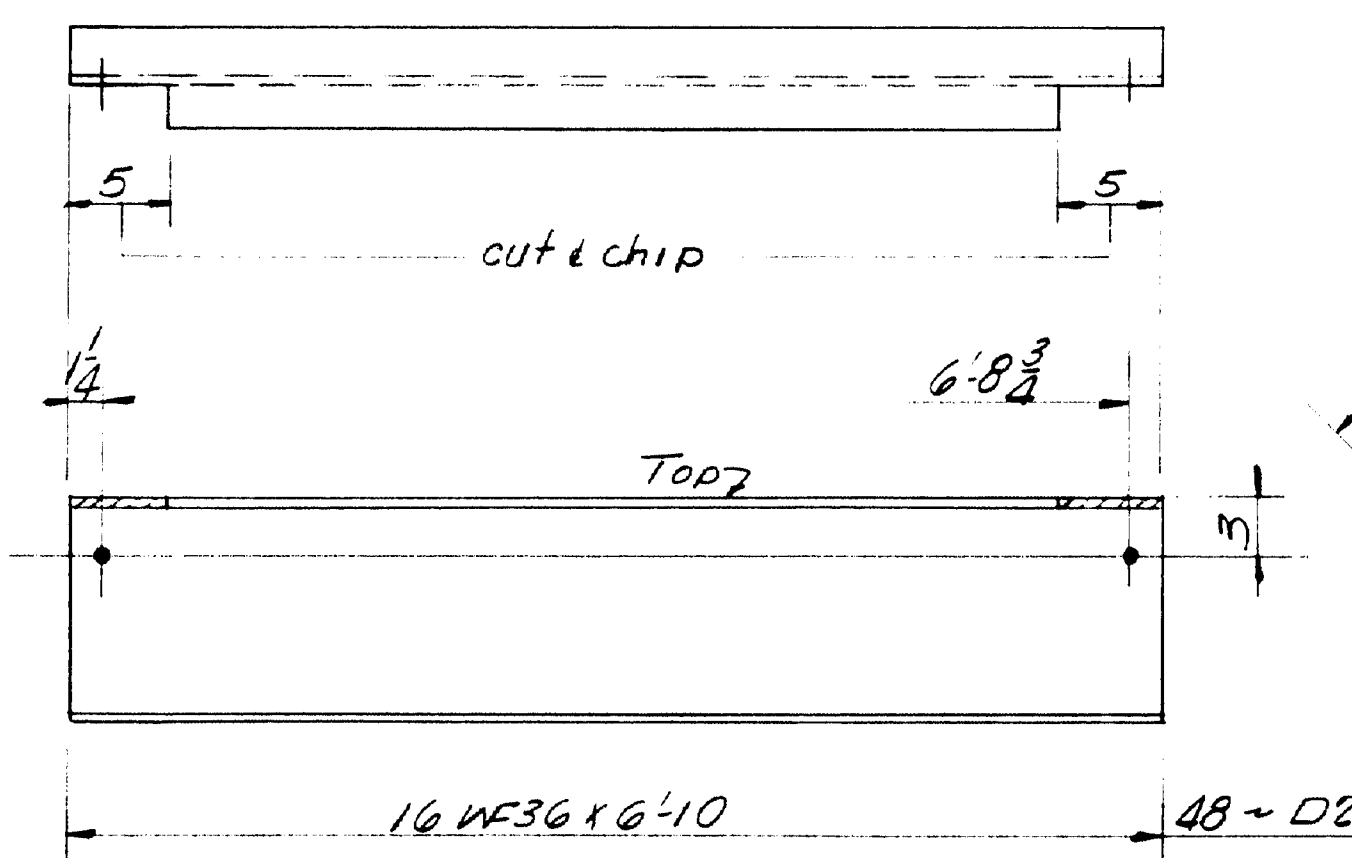




SHOP CONNECTIONS 1/2" x 1/2" x 1/2" x 1/2"
FIELD CONNECTIONS 1/2" x 1/2" x 1/2" x 1/2"
HOLES: 3/4"
PAINT: 1/2" x 1/2" x 1/2" x 1/2"
1/2" x 1/2" x 1/2" x 1/2"
SPRINT 1/2" x 1/2" x 1/2" x 1/2"
STRINGER DETAILS SP-N5
Bancroft & Martin Inc.
South Portland 7, Maine
LINCOLN FOUR OVER I-95
(72-R) REINFORCED CONCRETE, N/E.

| | | | |
|----------|-----------|-----------|-------------------------|
| DRAWN | 6-22-1917 | CUSTOMER | CLAN-HETTE BEAR, INC. |
| REVISION | | DESIGNER | MAINE SH. & BRIDGE DIV. |
| REVISION | | ORDER NO. | VERFAL |
| REVISION | | DWG. NO. | 65-131.57 |





NOTE:
No Paint within 5" ea. end D1 & D2

| SHIP | | BILL OF MATERIAL | | | | DWG. NO. 65-131-S9 | |
|------------|-----|------------------|-----------|--------|-----|--------------------|--|
| MARK | NO. | MARK | SHAPE | LENGTH | WT. | REMARKS | |
| D1 | 44 | | 15L33.9 | 6 | 10 | | |
| D2 | 48 | | 16WE30 | 6 | 10 | | |
| Field 193 | | | 50 M Bolt | 0 | 2 | | |
| 5 Feet 400 | | | | | | | |

ITEM 702-103.2

SHOP CONNECTIONS:
FIELD CONNECTIONS: Bolted Joints
HOLES: 50
PAINT: Red lead per A.S.T.M. Specs.
as noted.

PROJECT NO. 45-3(61)
DIAPHRAGM DETAILS

Bancroft & Martin Inc.
South Portland 7, Maine

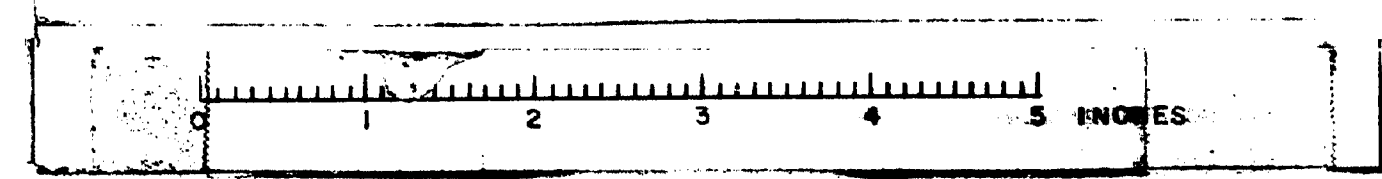
LINCOLN SOUTHERN OVER E45
(T2-R3) DENNISVILLE, ME.

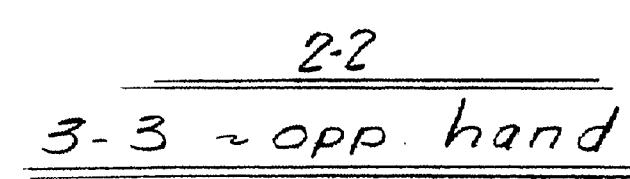
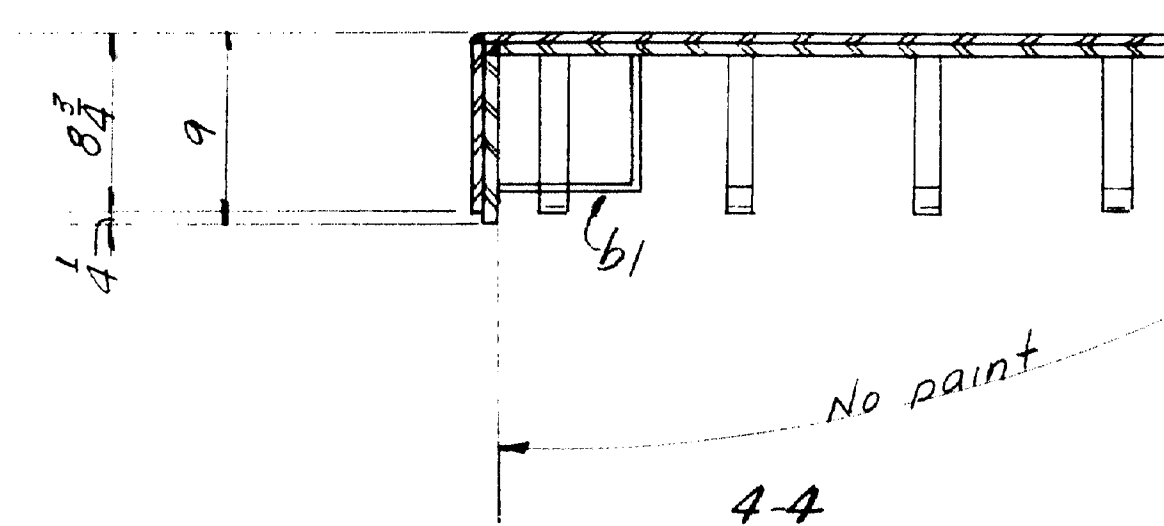
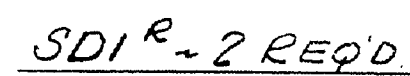
CUSTOMER CIANKHET E BROS., INC.
DESIGNER MAINE S.H.C. - BRIDGE DIV.

| | | | |
|----------|-------------|-----------|----------------------------|
| DRAWN | 630-65 EGM. | CUSTOMER | CRANK-PET E ERCS., INC. |
| REVISION | | DESIGNER | MAINE S.H.C. - BRIDGE DIV. |
| REVISION | | ORDER NO. | VERBAL |
| REVISION | | DWG. NO. | 65-131-59 |

ORDER NO. VERBAL DWG. NO. 65-131-59

94-31





ITEM 702-103.0

SHOP CONNECTIONS: *Neelbor-ETU Red.*
FIELD CONNECTIONS: —
HOLES: —
PAINT: *Red lead per M.S. & C. Specs*
and as noted.

PROJECT NO. 1-15-8(61)
SIDEWALK EXPANSION DAM

[illegible]

Bancroft & Martin Inc.
Leath Portland 7, Maine

LINCOLN SPUR OVER 295
(T2-R8) PENOBSCOT COUNTY, ME.

CUSTOMER CIANCHETTE BROS., INC.
DESIGNER MAINE S.H.C. BRIDGE DIV.

| | |
|-------------------------|----------------------------|
| ORDER NO. <u>VERBAL</u> | DWG. NO. <u>05-131-S11</u> |
|-------------------------|----------------------------|

94-33

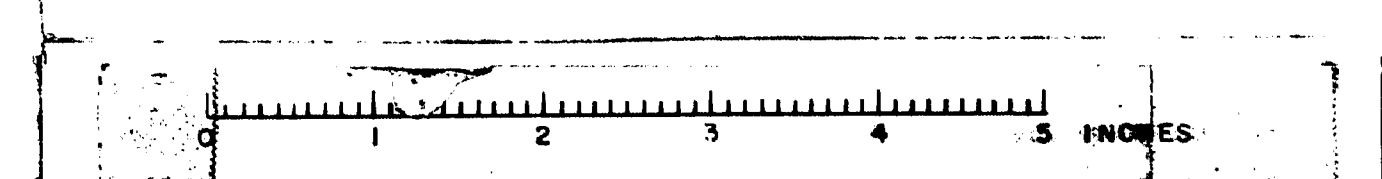
100-443887-100

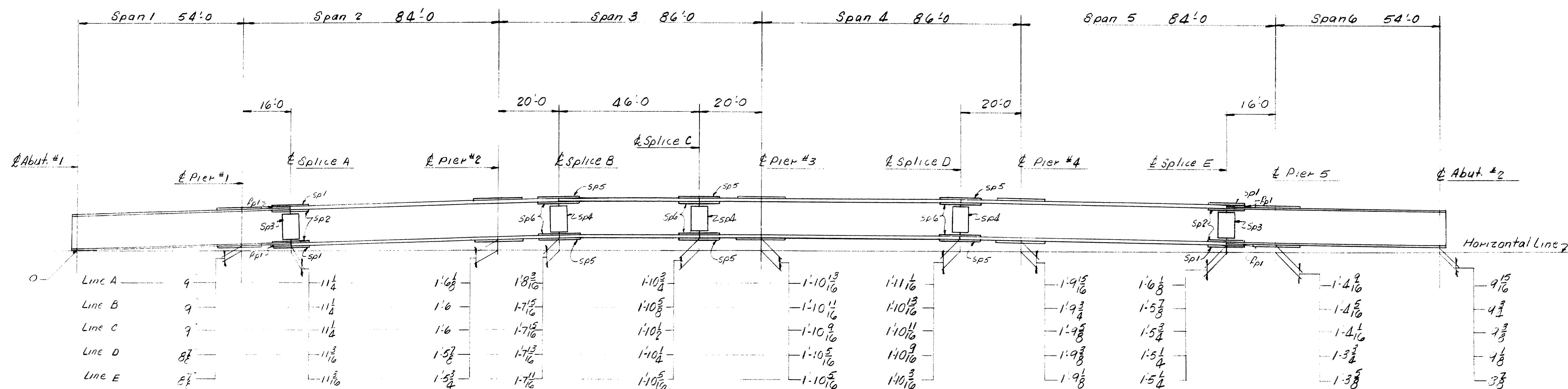
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the 1990s, the number of people in the world who are under 15 years of age is expected to increase by 1.5 billion, from 1.1 billion in 1990 to 2.6 billion in 2010. The number of people aged 65 and over is expected to increase by 1.1 billion, from 0.4 billion in 1990 to 1.5 billion in 2010. The number of people aged 15-64 is expected to increase by 1.1 billion, from 1.1 billion in 1990 to 2.2 billion in 2010. The number of people aged 65 and over is expected to increase by 1.1 billion, from 0.4 billion in 1990 to 1.5 billion in 2010. The number of people aged 15-64 is expected to increase by 1.1 billion, from 1.1 billion in 1990 to 2.2 billion in 2010.

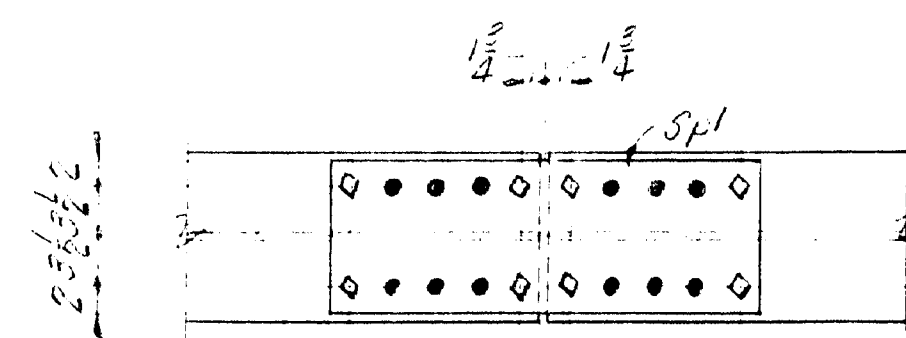
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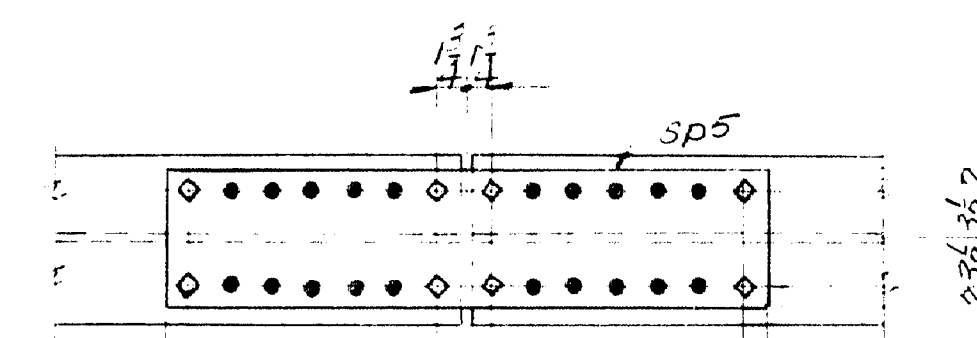


NOTE: Vertical dimensions taken to the bottom of the stringers. Where one stringer is larger, the dimensions are to the bottom of the larger stringer.

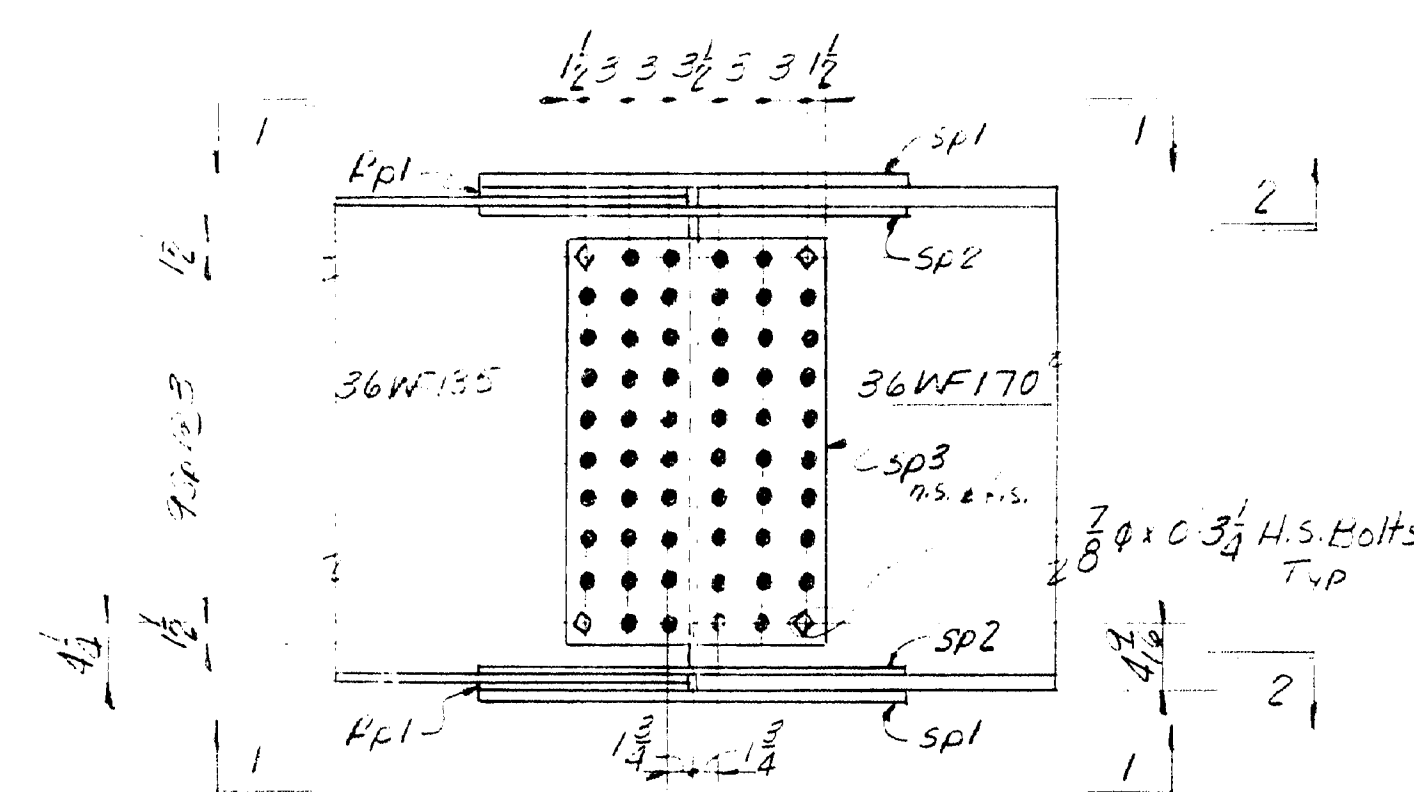
SHOP LAYOUT DIAGRAM



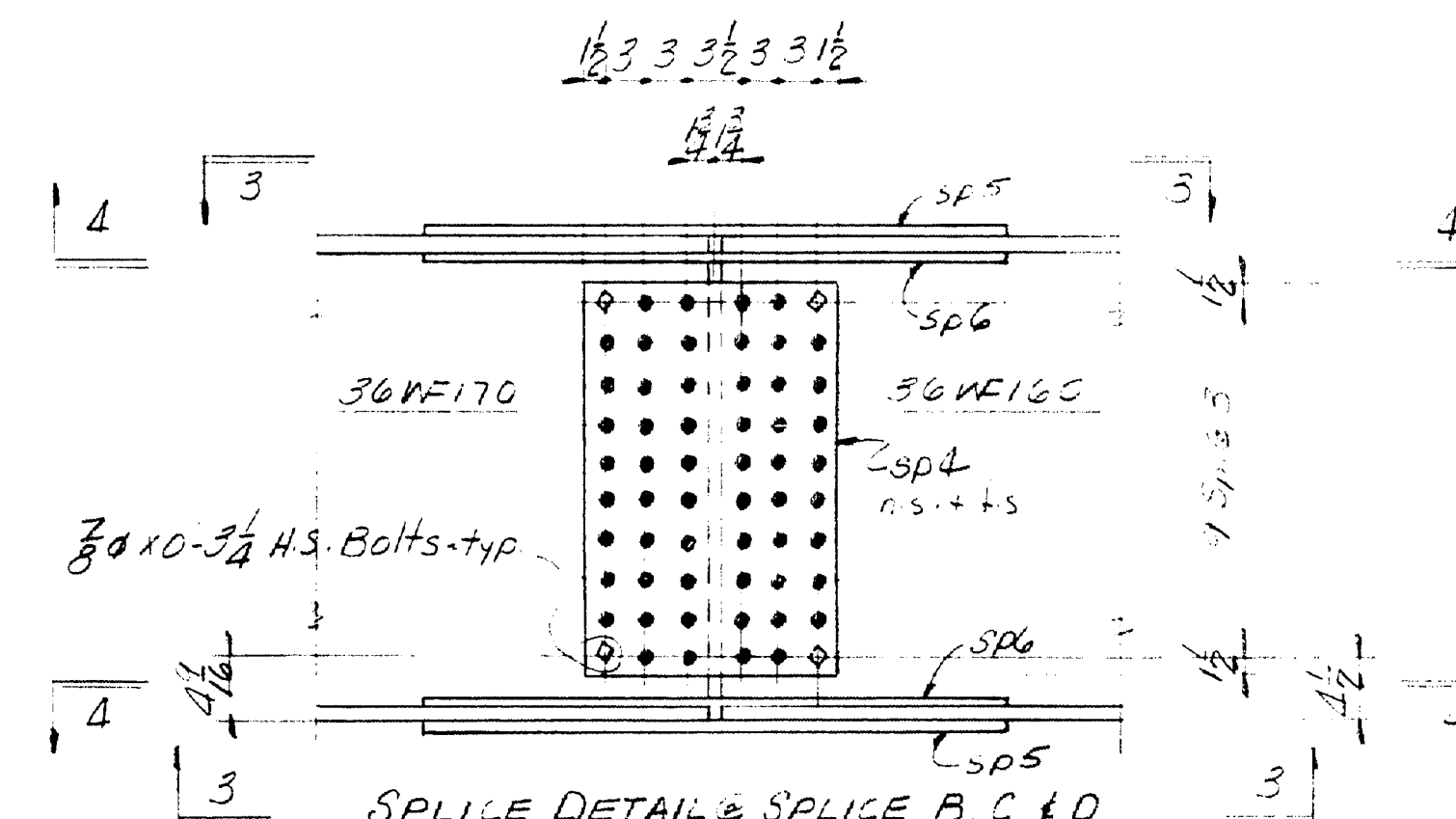
SECTION 1-1



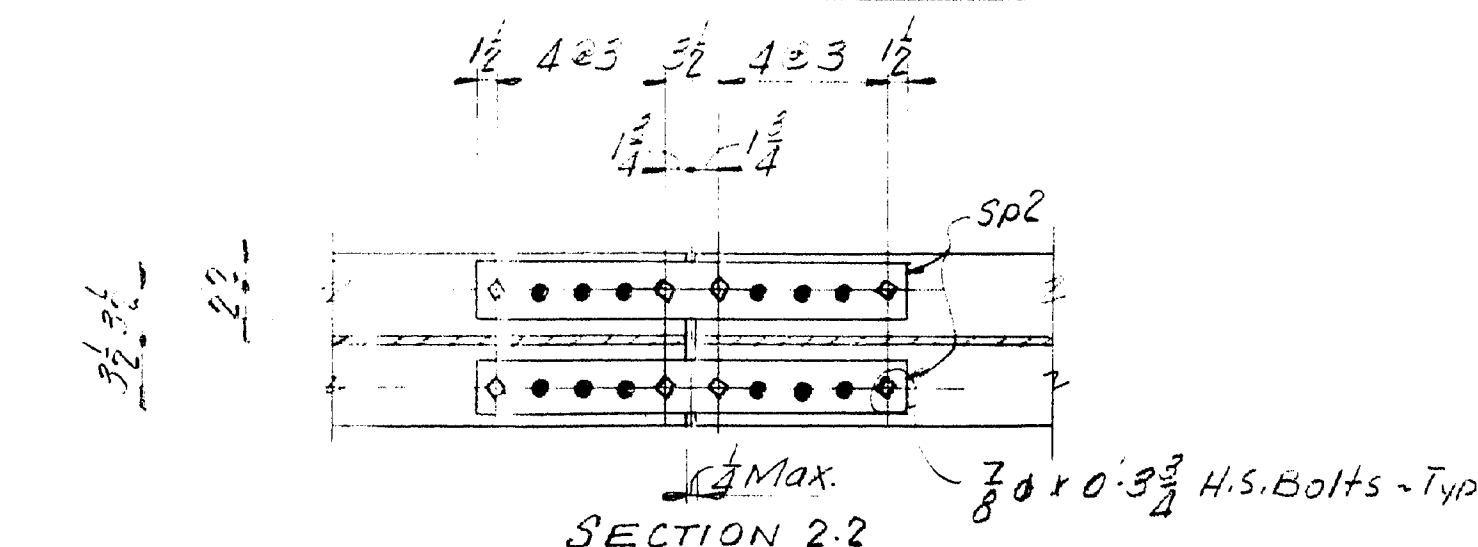
SECTION 5-3



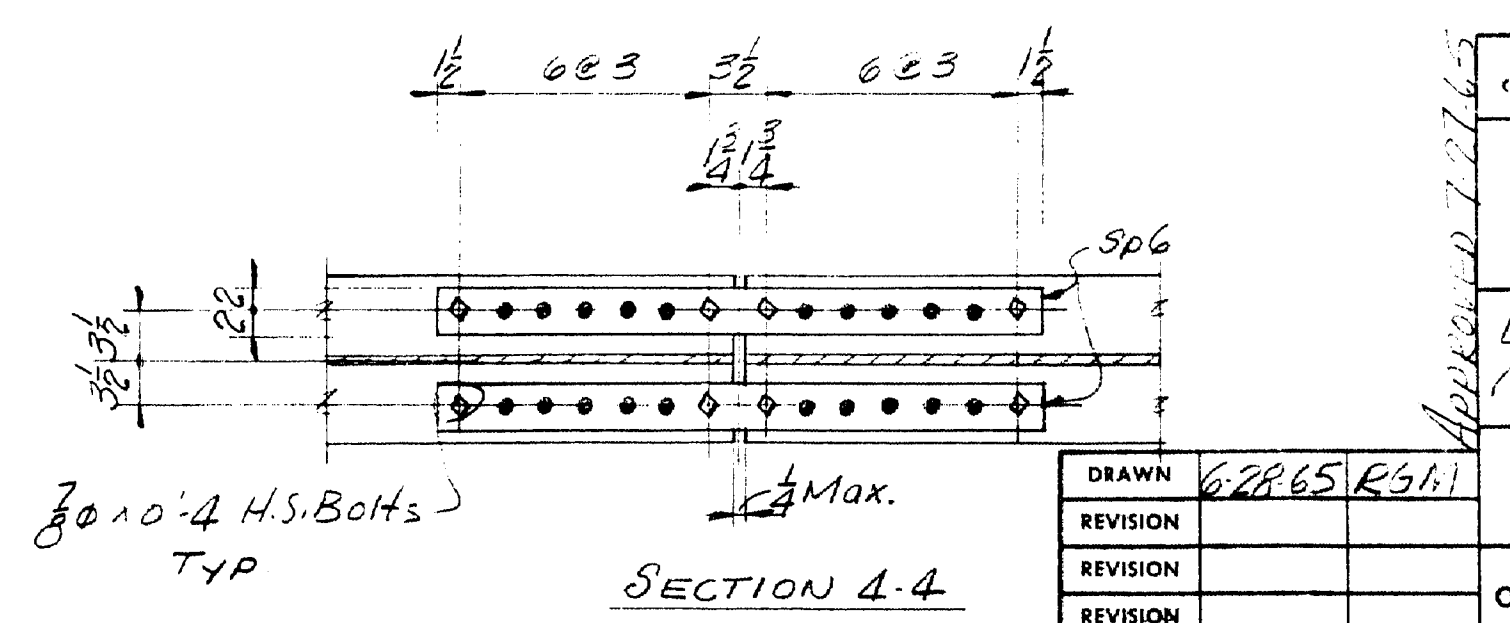
SPRICE DETAIL & SPRICE A & E



SPRICE DETAIL & SPRICE B, C & D



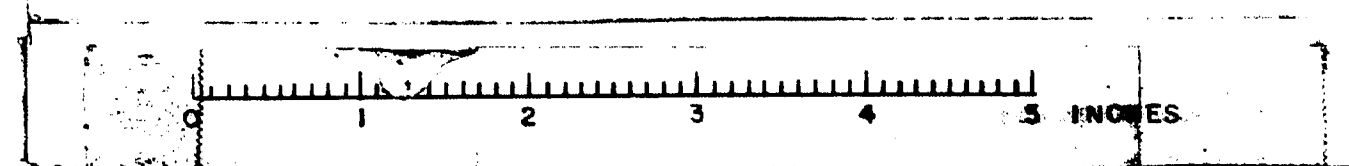
SECTION 2-2



SECTION 4-4

| | |
|------------------------------------|---------------------|
| SHOP LAYOUT DIAGRAM | |
| Bancroft & Martin, Inc. | |
| Bath, Portland & Maine | |
| LINCOLN BRIDGE OVER I-95 | |
| (T2-R3) DE, 10th DISTRICT, ME. | |
| CUSTOMER: CHANCELLER FROS, INC. | |
| DESIGNER: MAINE S.H.C. BRIDGE DIV. | |
| ORDER NO. VERBAL | DWG. NO. 65-131-S12 |

94-34



INDEX OF SHEETS

| SHEET NO | DESCRIPTION |
|----------|----------------------------------|
| 1 | GENERAL PLAN |
| 2 | CROSS SECTION |
| 3 | FOUNDATION SURVEY |
| 4 | BORING DETAILS |
| 5 | ABUTMENTS NO. 1 & NO. 2 |
| 6 | ABUTMENT DETAILS & APPROACH SLAB |
| 7 | SLOPE PAVING |
| 8 | PIERS 1, 2, 4 & 5 |
| 9 | PIER 3 |
| 10 | ERECTION DIAGRAM & BLOCKING |
| 11 | SUPERSTRUCTURE |
| 12 | REINFORCING STEEL SCHEDULE |

STANDARD DETAILS

| | |
|----------|---|
| BD101-64 | BEARING FEDESTALS |
| BD103-64 | BEAM SPLICE |
| BD104-64 | DIAPHRAGMS ARMORED JOINTS, SHEAR CONNECTORS, DRAINS |
| BD105-64 | EXPANSION DAMS |
| BD107-64 | STEEL RAIL |
| BD108-64 | ALUMINUM RAIL |

ENGINEERS FIELD OFFICES
 Note - See Sheet "C" for Estimate of Quantities

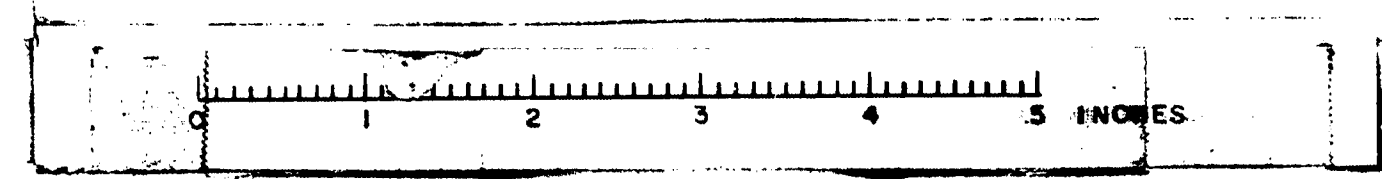
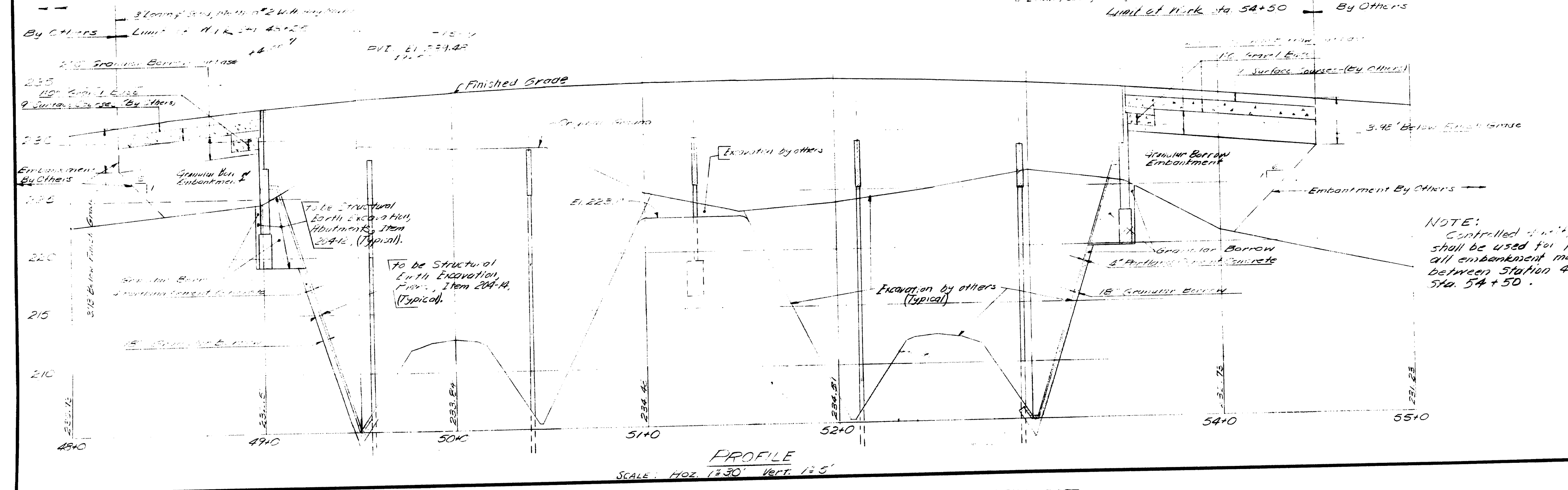
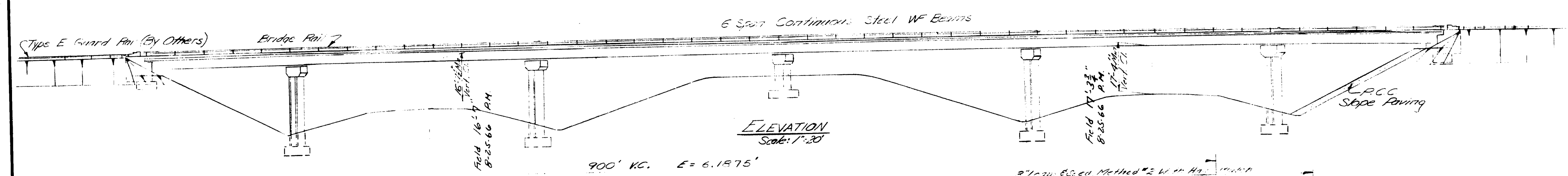
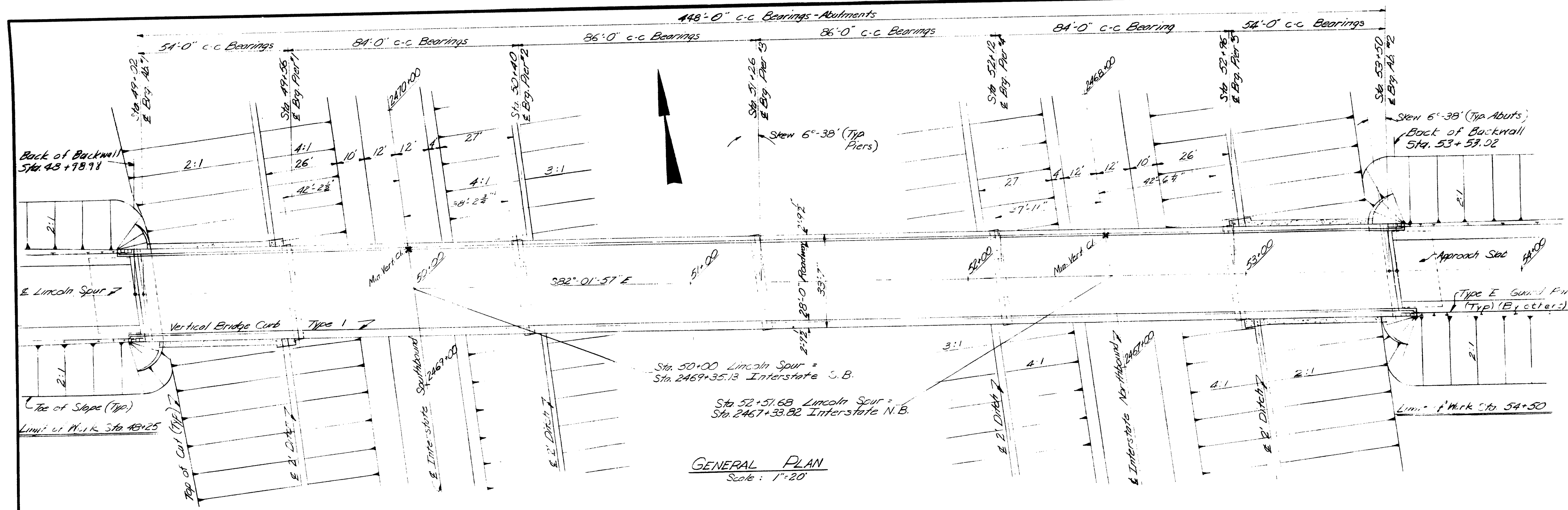
SPECIFICATIONS

Design: AASHTO Standard Specifications for Highway Bridges, 1961 with Interim Specifications, 11.1 thru 1962.
 Contract: State of Maine, State Highway Commission
 Standard Specifications for Highway Bridges, Revision of January 1956, and Supplemental Specifications February 1960.
 Live Loading: HS20-44
 Allowable Stresses: Concrete - $f_c = 1200$ psi; $f_t = 10$
 Reinforcing Steel - Intermediate Grade 60,000 psi
 Structural Steel - A36 - 20,000 psi
 Concrete Classification: All concrete - Class "A"
 Slope Paving - class "Y"
 Structural Steel Classification: ASTM A36
 unless otherwise noted on the Standard Details.

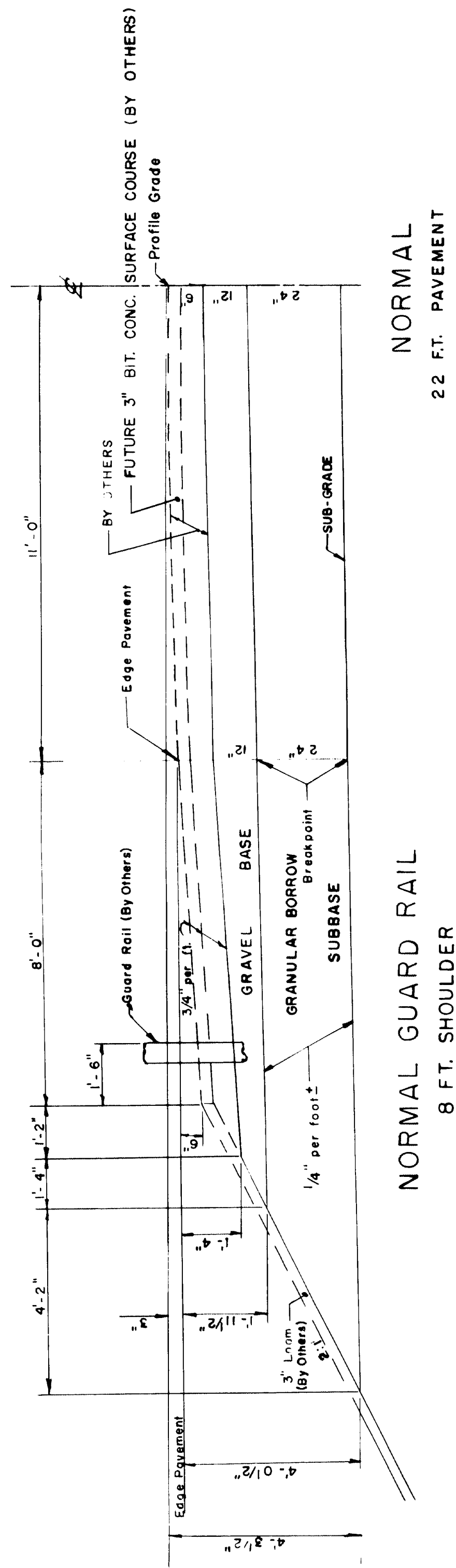
NOTE:
 Controlled fill, sand shall be used for placing all embankment material between station 48+25 & Sta. 54+50.

| | |
|--|----------------------------------|
| DESIGN - LLK TRACE - JNH CHECK - JNH | BRIDGE NO. SURVEY - PLOT - |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| LINCOLN SPUR OVER INTERSTATE 95 IN T2 R8 PENOBSCOT COUNTY GENERAL PLAN | |
| SHEET 1 OF 12 AUGUSTA, MAINE JAN. 1965 | |

95-163



4.2.2 12-4-64



NORMAL
22 FT. PAVEMENT

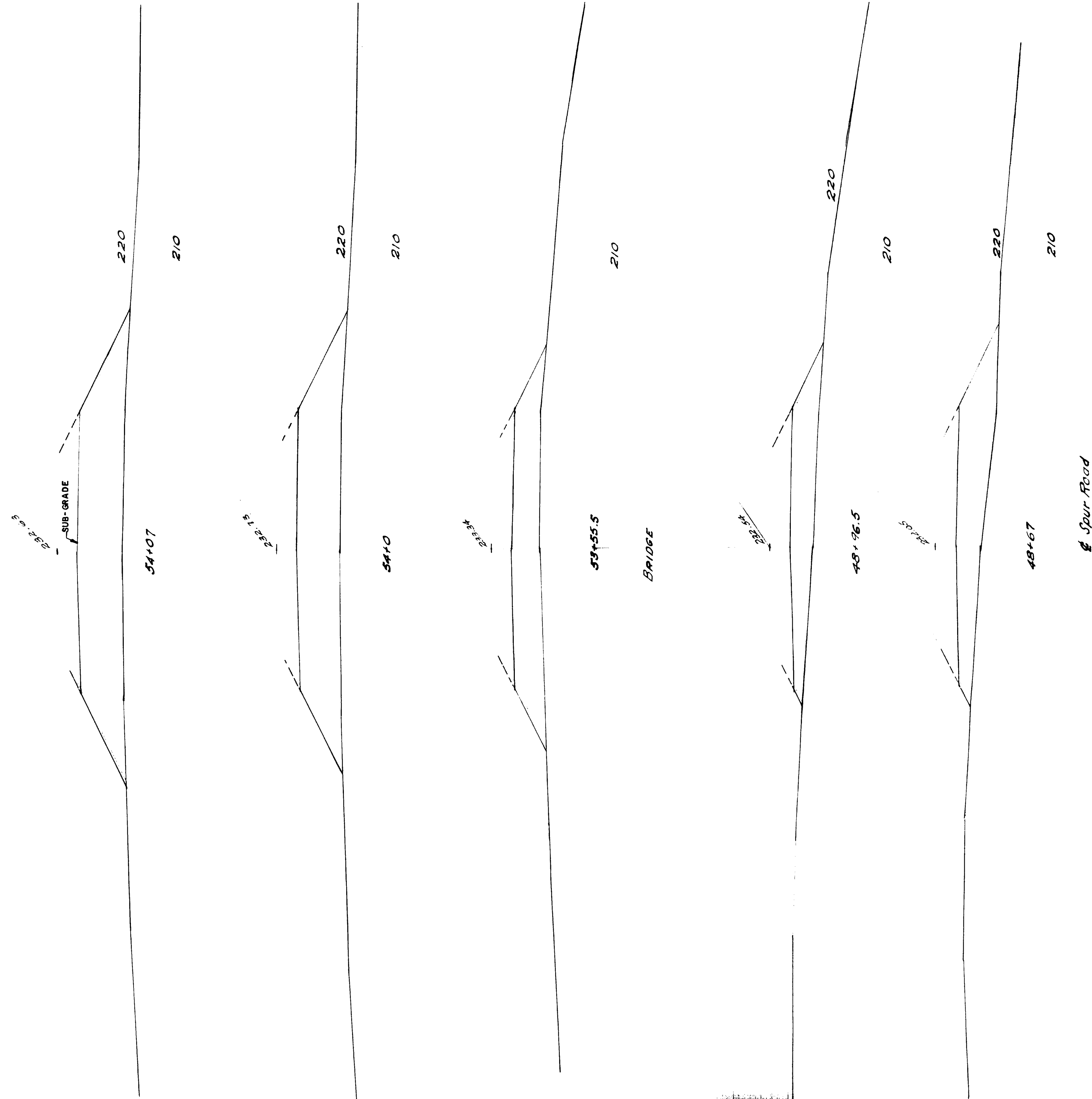
NORMAL GUARD RAIL
8 FT. SHOULDER

12" GRAVEL BASE COURSE = 81.48 C.Y. PER 100 L.F.
24" GRANULAR BORROW SUBBASE = 162.96 C.Y. PER 100 L.F.

12" GRAVEL BASE COURSE = 28.61 C.Y. PER 100 L.F.
24" GRANULAR BORROW SUBBASE = 93.22 C.Y. PER 100 L.F.

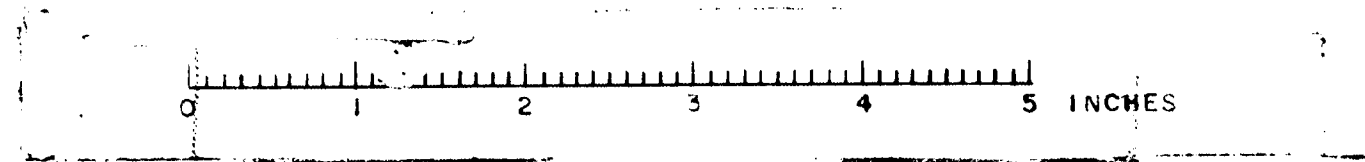
TYPICAL APPROACH SECTION - SPUR ROAD

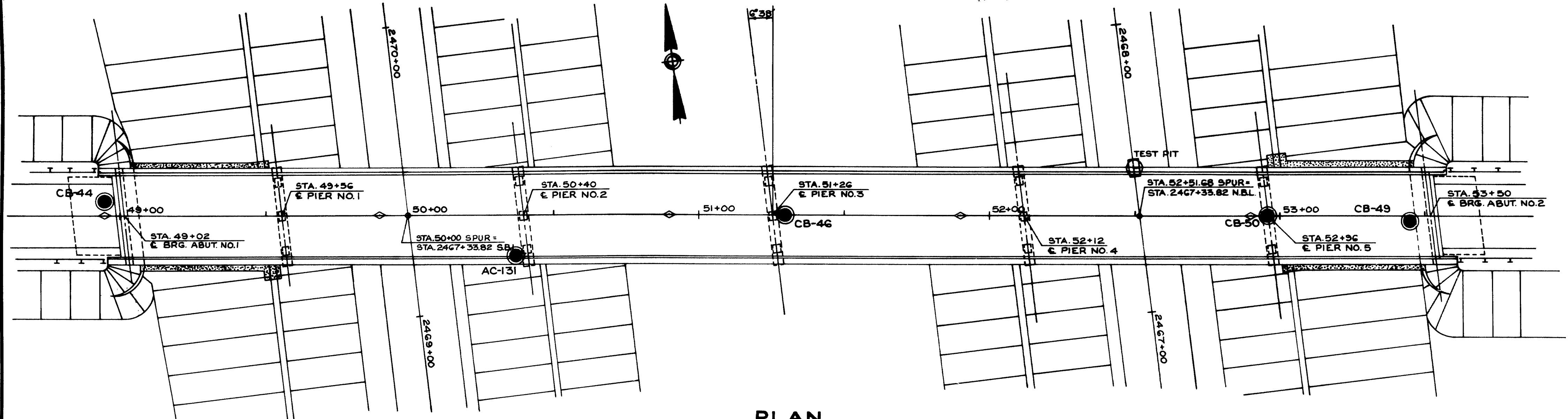
(ONE HALF SECTION SHOWN, SECTION IS SYMMETRICAL ABOUT CENTER LINE)



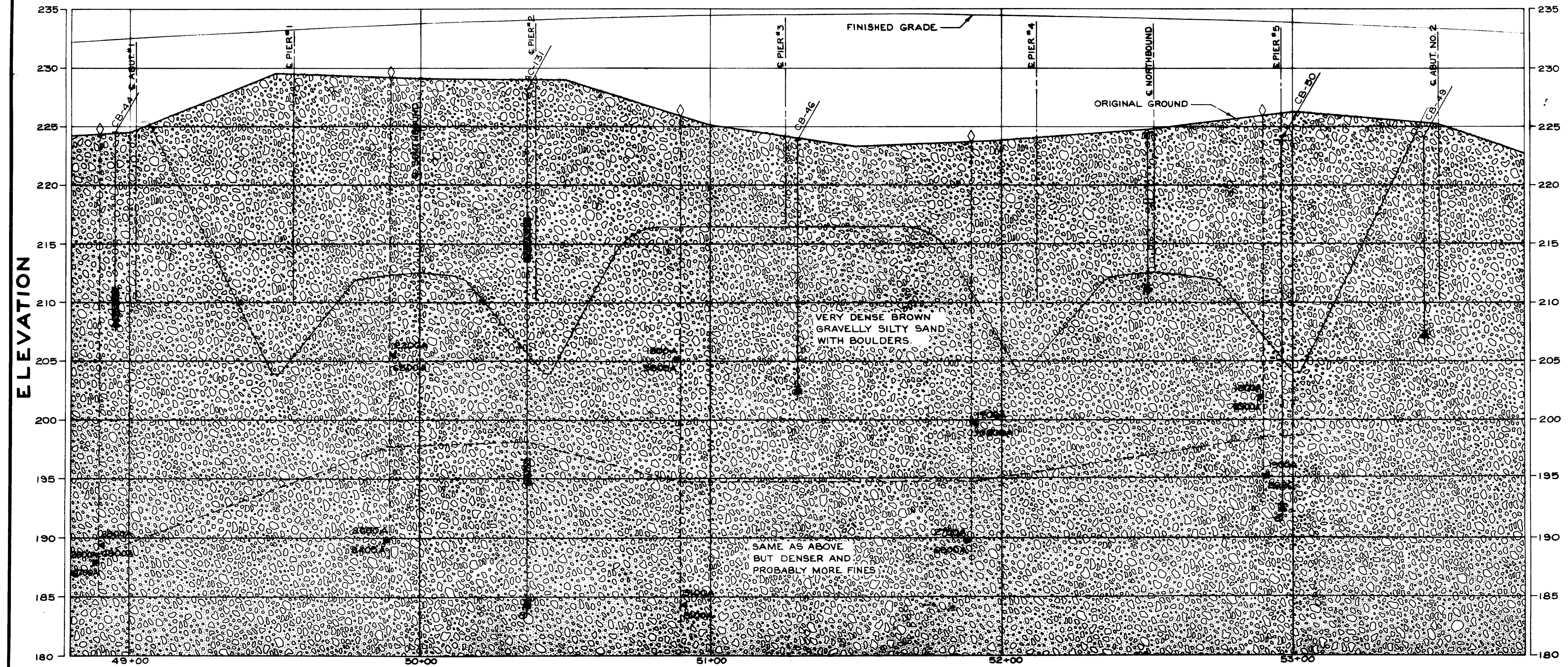
LINCOLN SPUR IN T2 R8, PENOBSCOT COUNTY
CROSS-SECTIONS OF LINCOLN SPUR ROAD

| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | 1-95-8(61) | 1 | 3 |





PLAN
SCALE 1"=20'

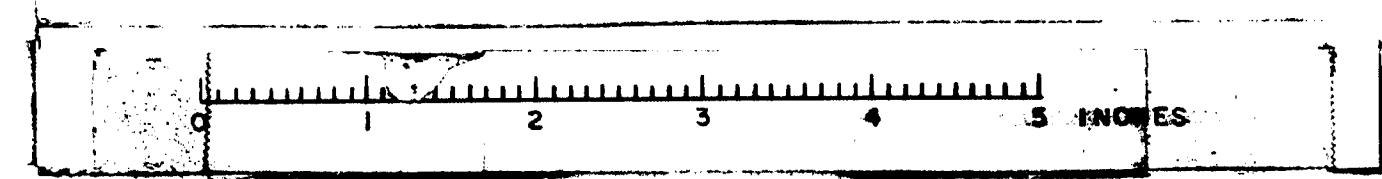


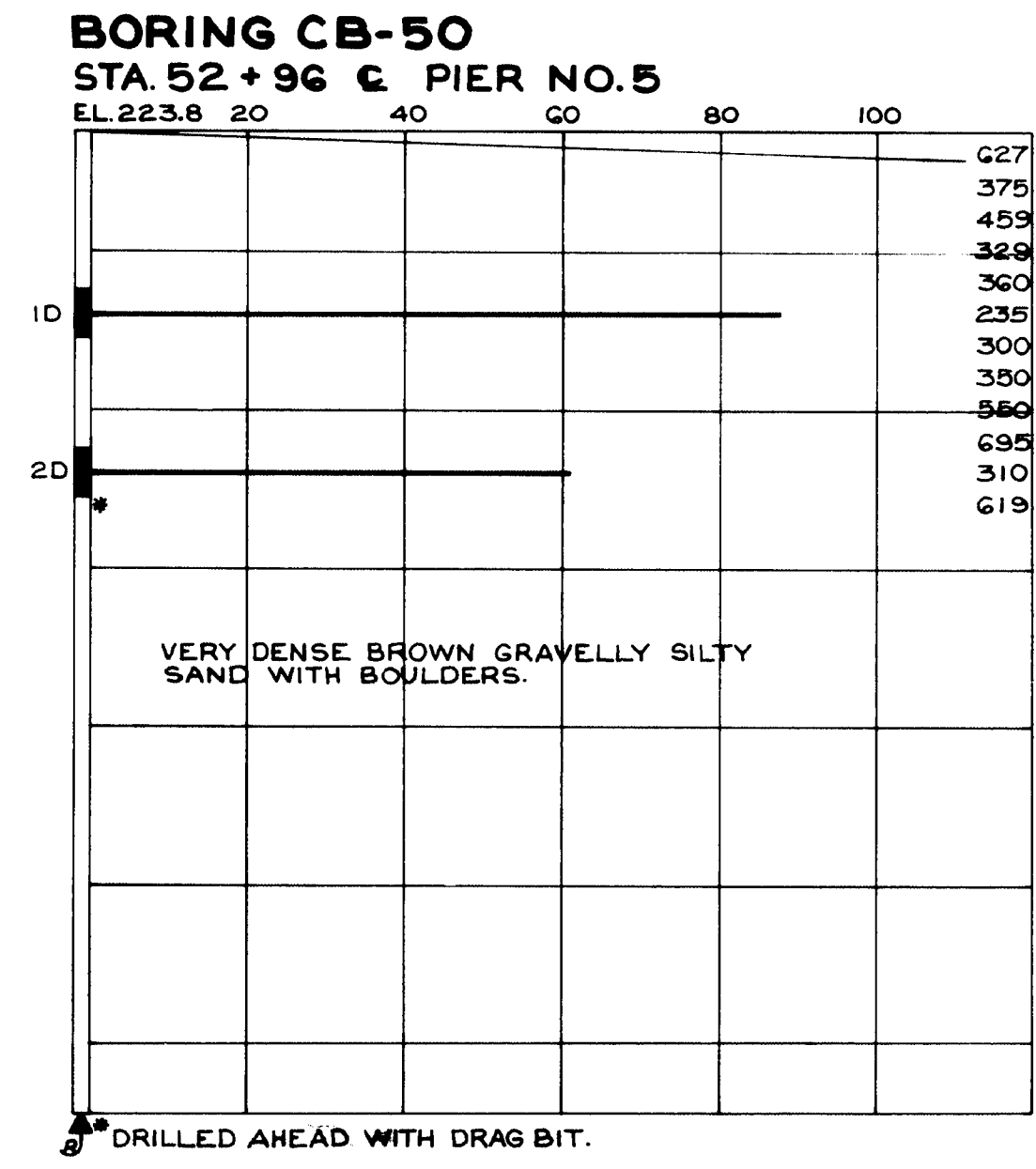
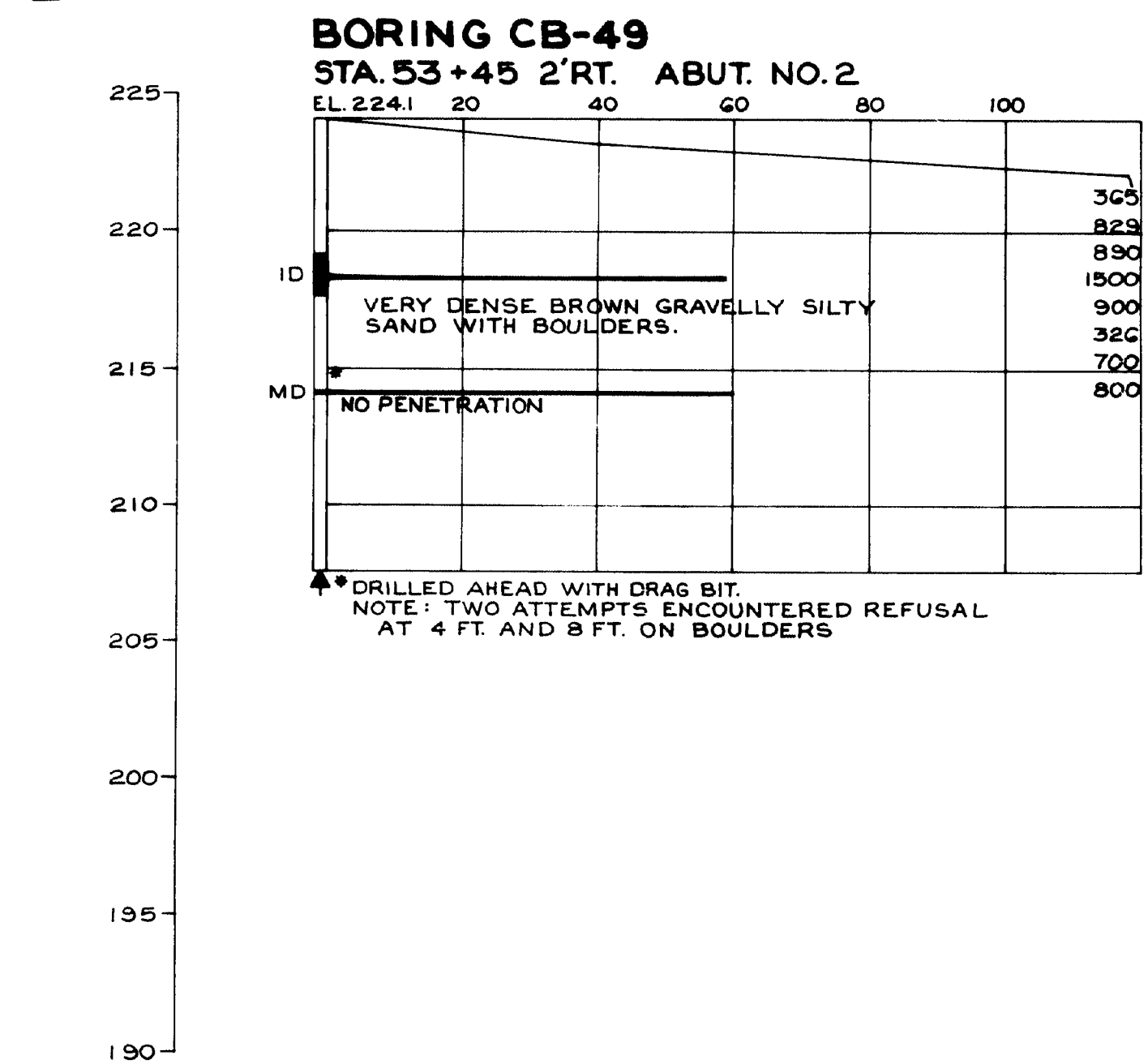
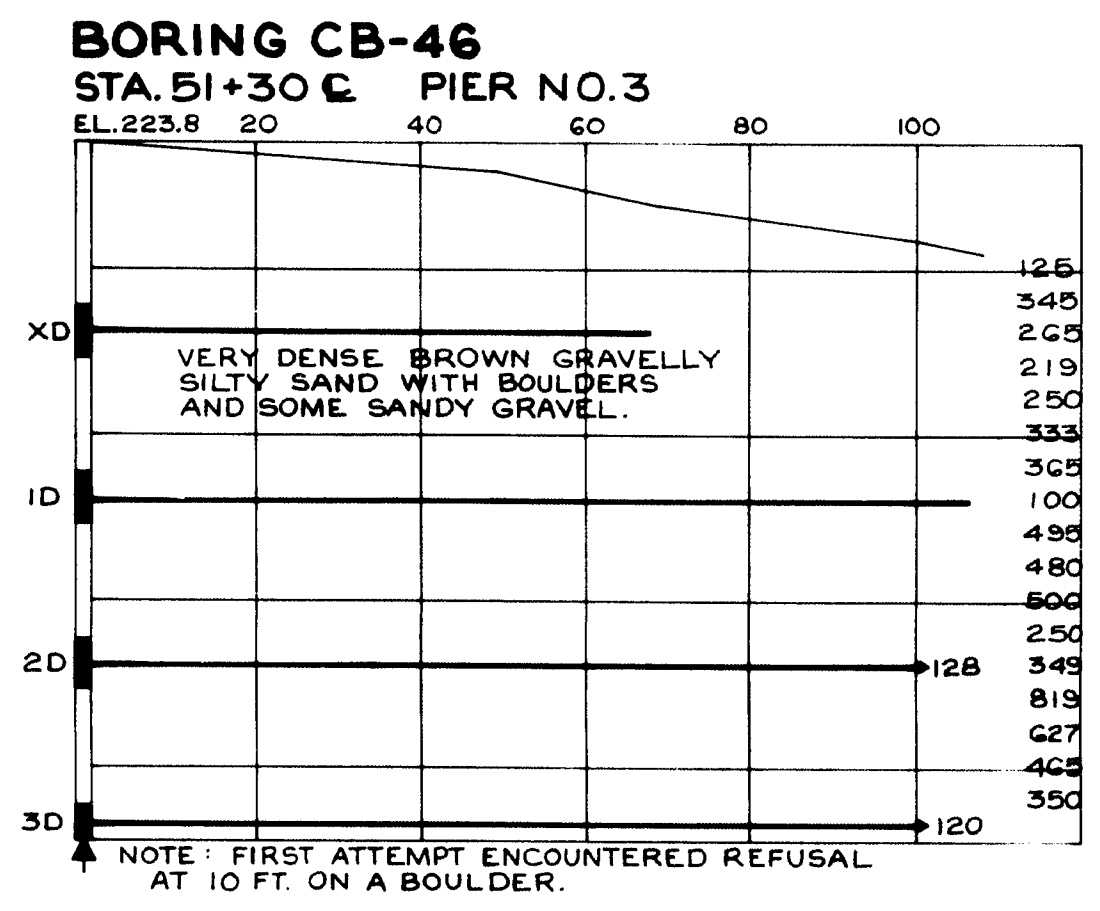
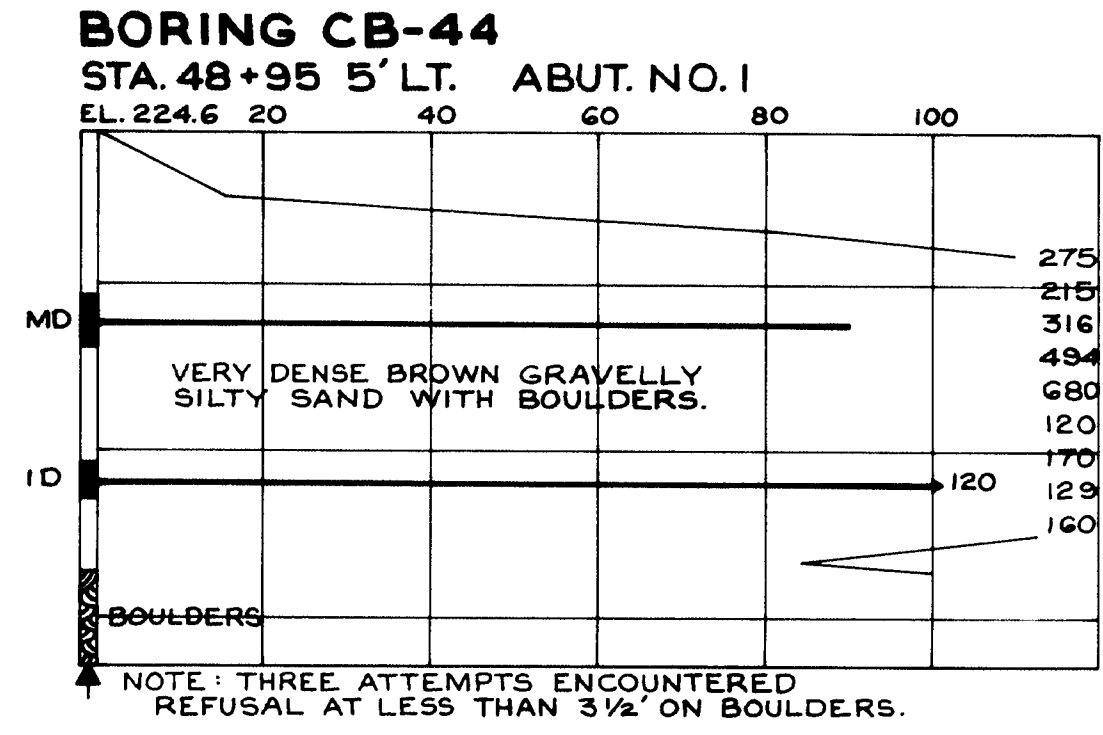
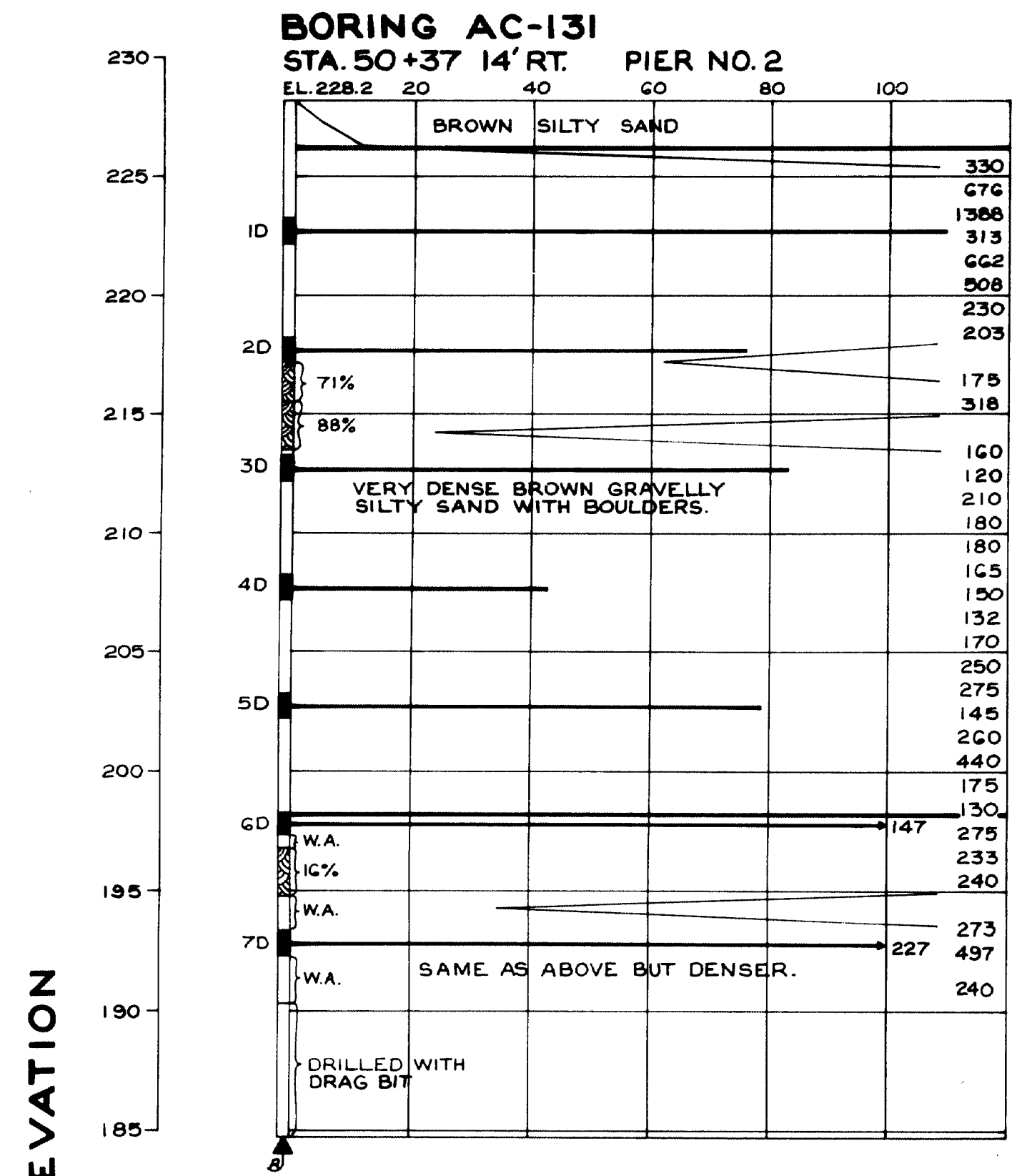
PROFILE
SCALE: VERT. 1"=5' HORIZ. 1"=20'

- LEGEND**
- PLAN NOTES**
- ROD SOUNDING
 - ⊗ WASH BORING
 - ⊠ TEST PIT
 - ◇ SEISMIC: SHOT LOCATION
- PROFILE NOTES**
- ◇ SEISMIC: 1800 CHANGE IN VELOCITY (FT./SEC.) & 19000 PROBABLE CHANGE IN MATERIAL
 - ▲ BOTTOM OF EXPLORATION
 - ⬆ REFUSAL

| | |
|---|--------------------------------|
| DESIGN- TRACE- CHECK- | BRIDGE NO. SURVEY- PLOT- |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| LINCOLN SPUR OVER INTERSTATE 95 IN T2 R8 PENOBSCOT COUNTY FOUNDATION SURVEY | |
| SHEET 3 OF 12 AUGUSTA, MAINE | |

95-165





BORING NOTES

Casing size 2 1/2"

WA. Washed ahead.

All samples are made ahead of casing.

Number of blows required to drive extra heavy casing one foot with 400 ft. lbs. of energy per blow.

Location of sample or sample attempt.

Number and type of dry sample.

ID S & H Sampler # 1290's

MD Unsuccessful sample attempt and type of sampler.

Number of blows required to drive spoon one foot with 350 ft. lbs. of energy per blow.

Bottom of boring (May not be bottom of soil strata.)

90% Locations cored by diamond bit and percent recovery of rock.

DESIGN-
TRACE-
CHECK-

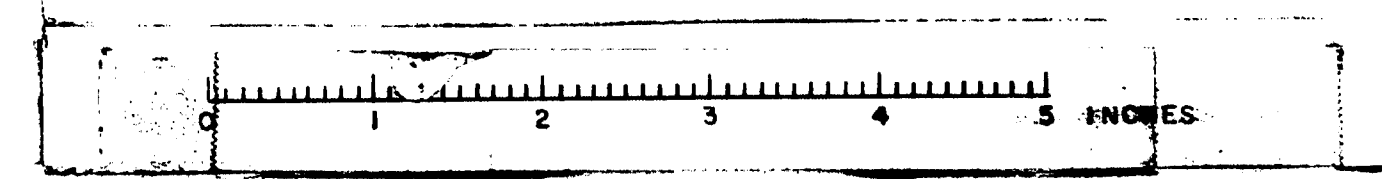
BRIDGE NO.
SURVEY-
PLOT-

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

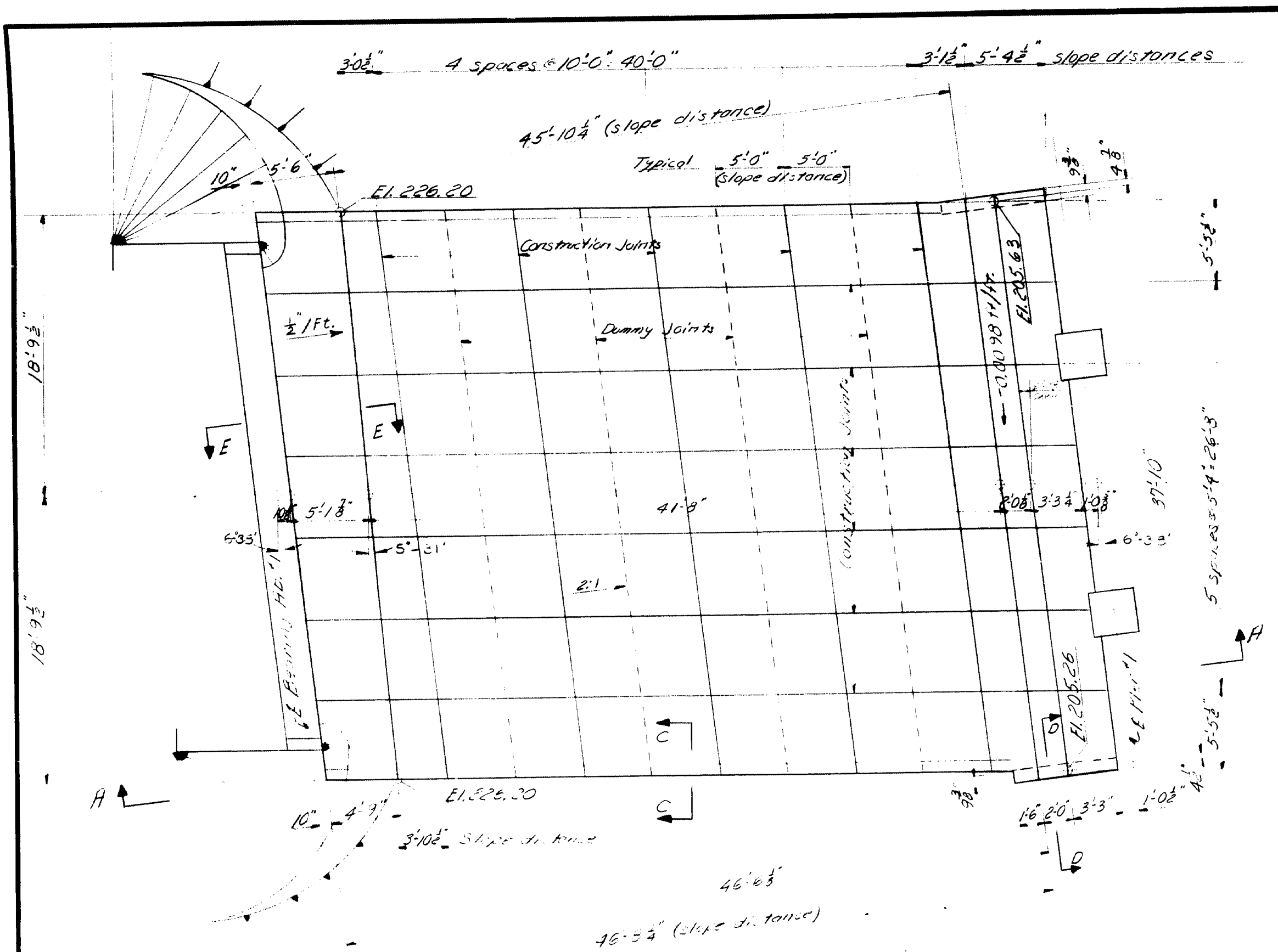
LINCOLN SPUR
OVER
INTERSTATE 95
IN
T2 R8
PENOBSCOT COUNTY
BORING DETAILS

SHEET 4 OF 12 AUGUSTA, MAINE

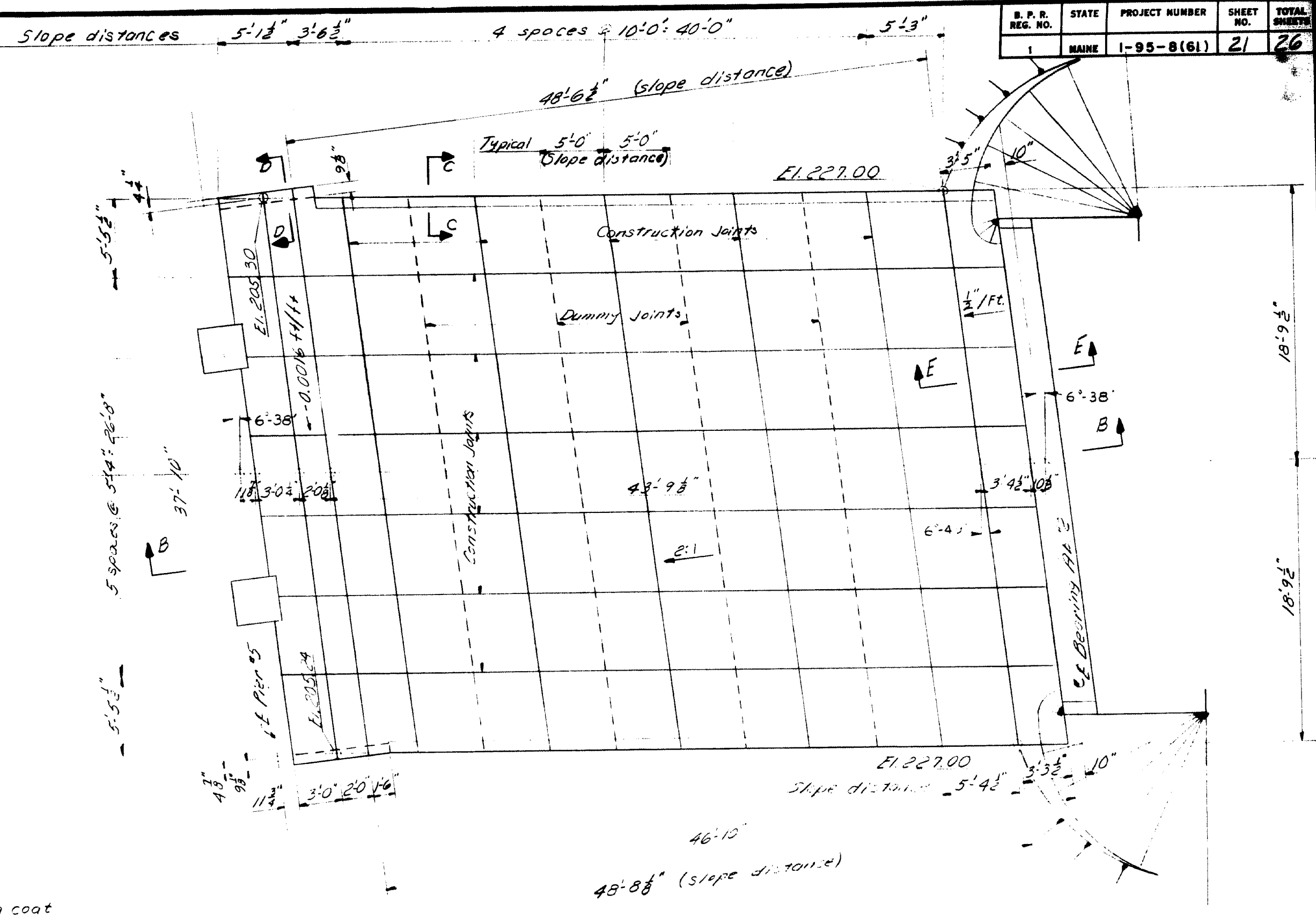
95-166



| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------------------|-------|----------------|-----------|--------------|
| 1 | MAINE | 1-95-8(61) | 21 | 26 |

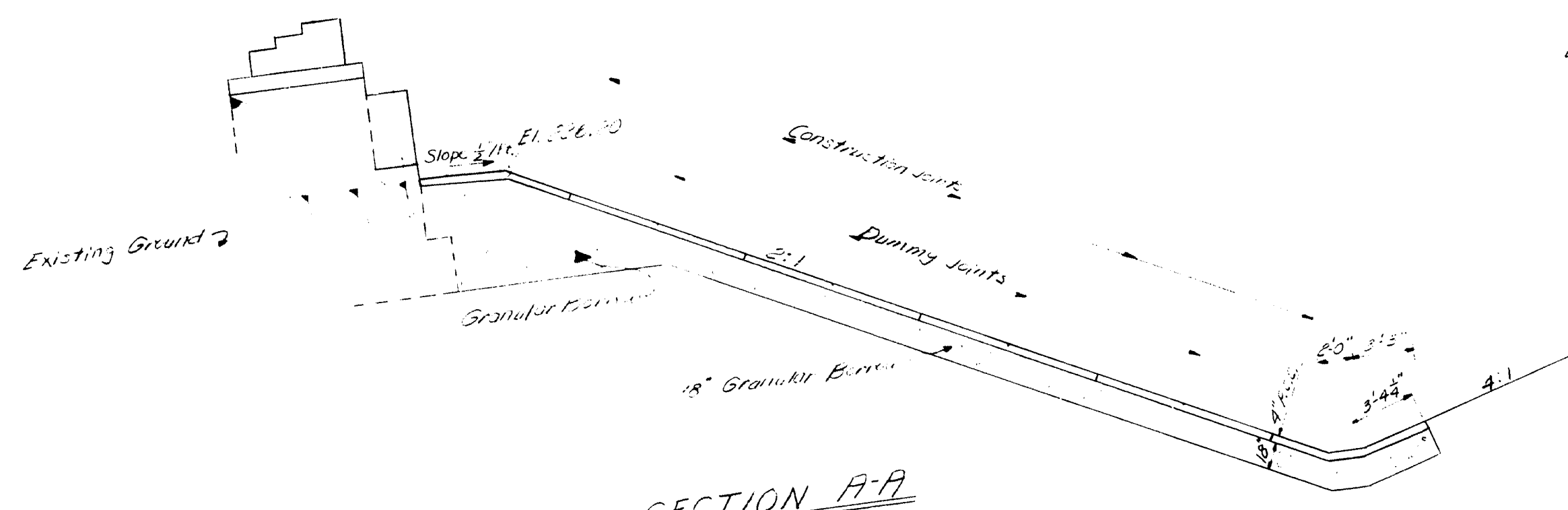


PLAN-ABUT. #1

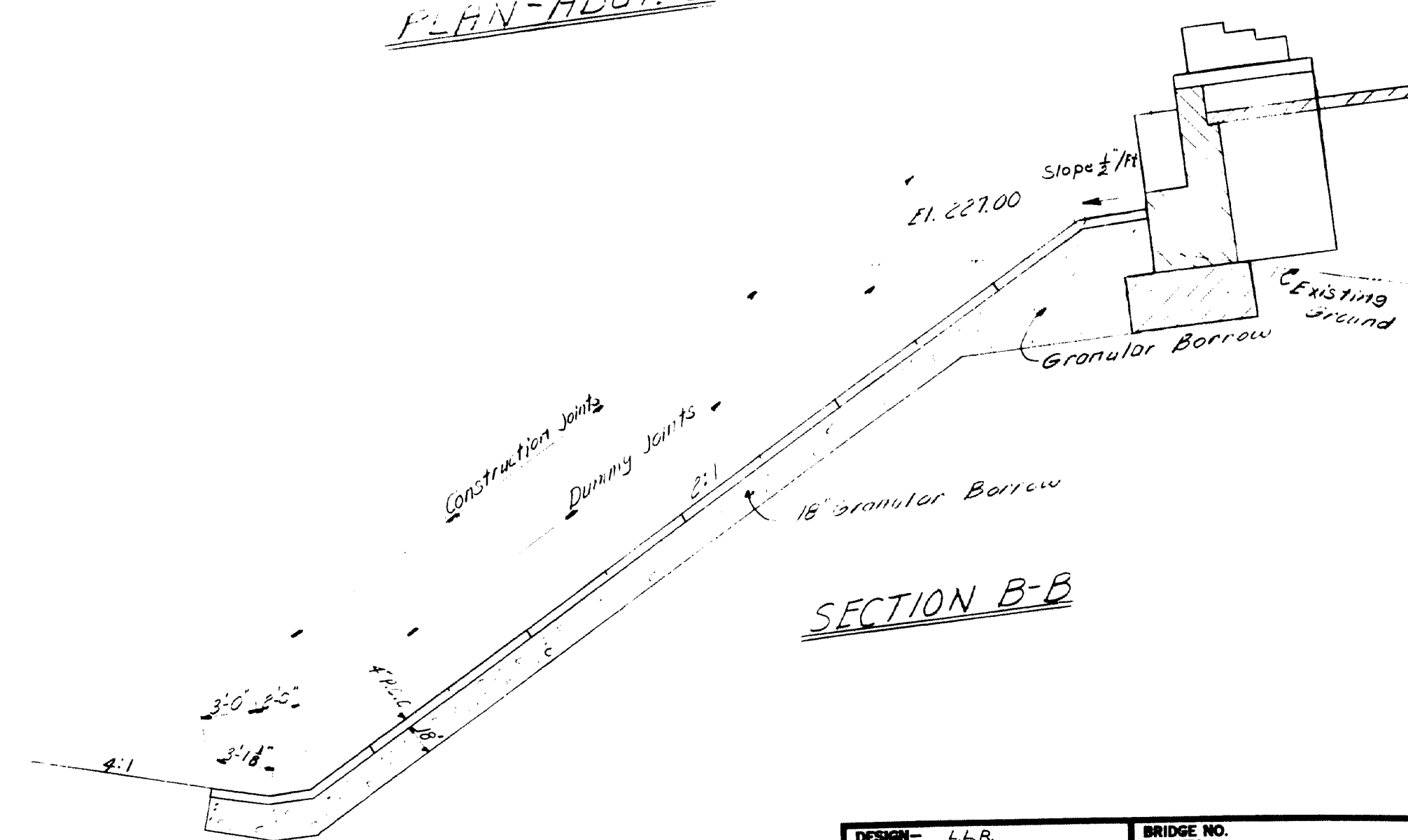


PLAN-ABUT. #2

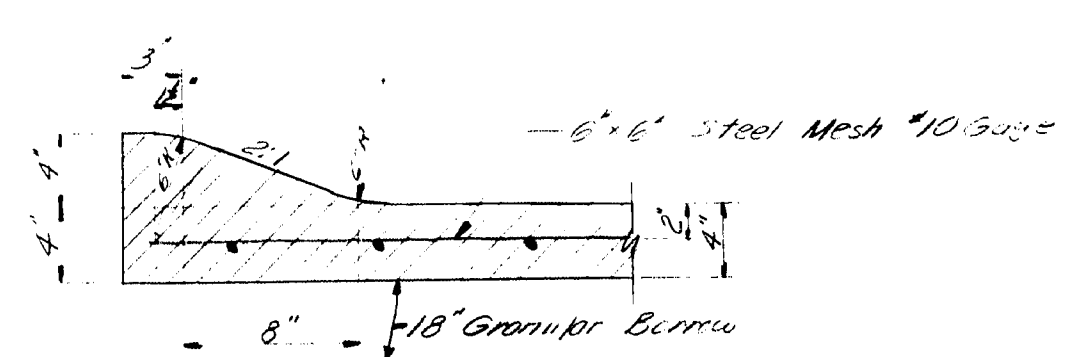
NOTES
 1. Break long at Construction Joints with a coat of asphalt paint.
 2. Dummy joints shall be made with a side-walk edging tool to a depth of 2\"/>



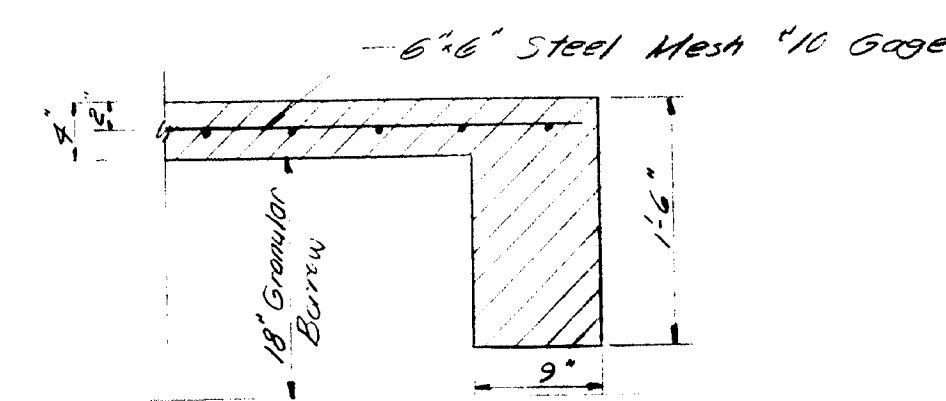
SECTION A-A



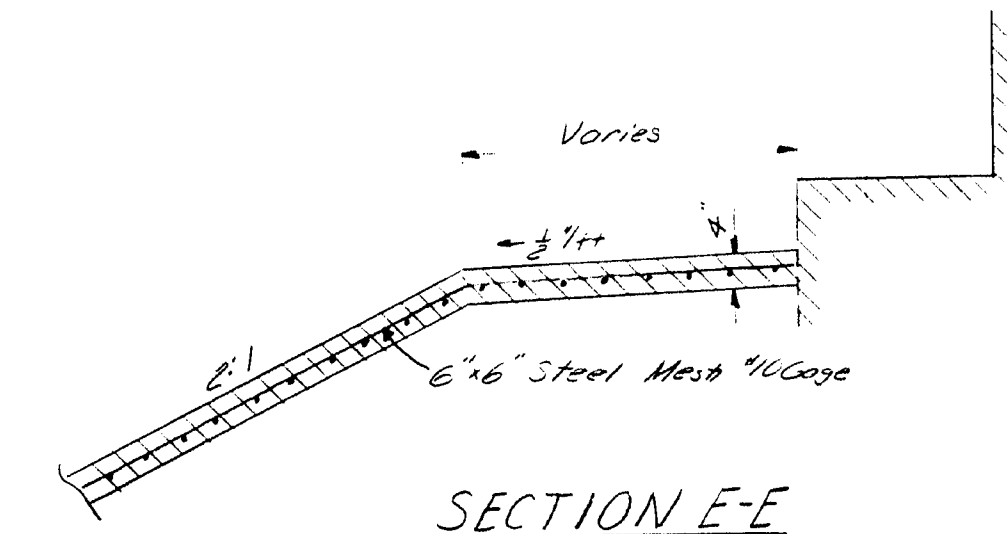
SECTION B-B



SECTION C-C



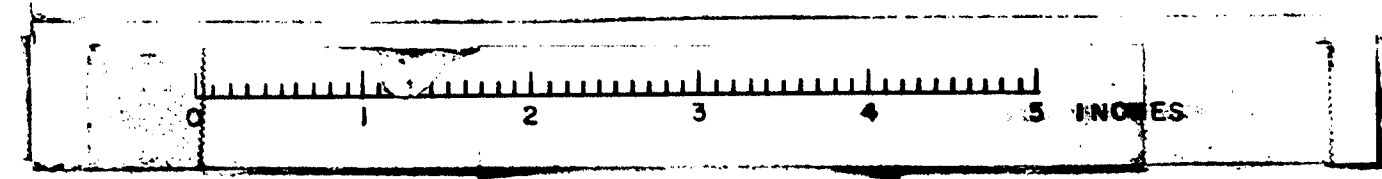
SECTION D-D



SECTION E-E

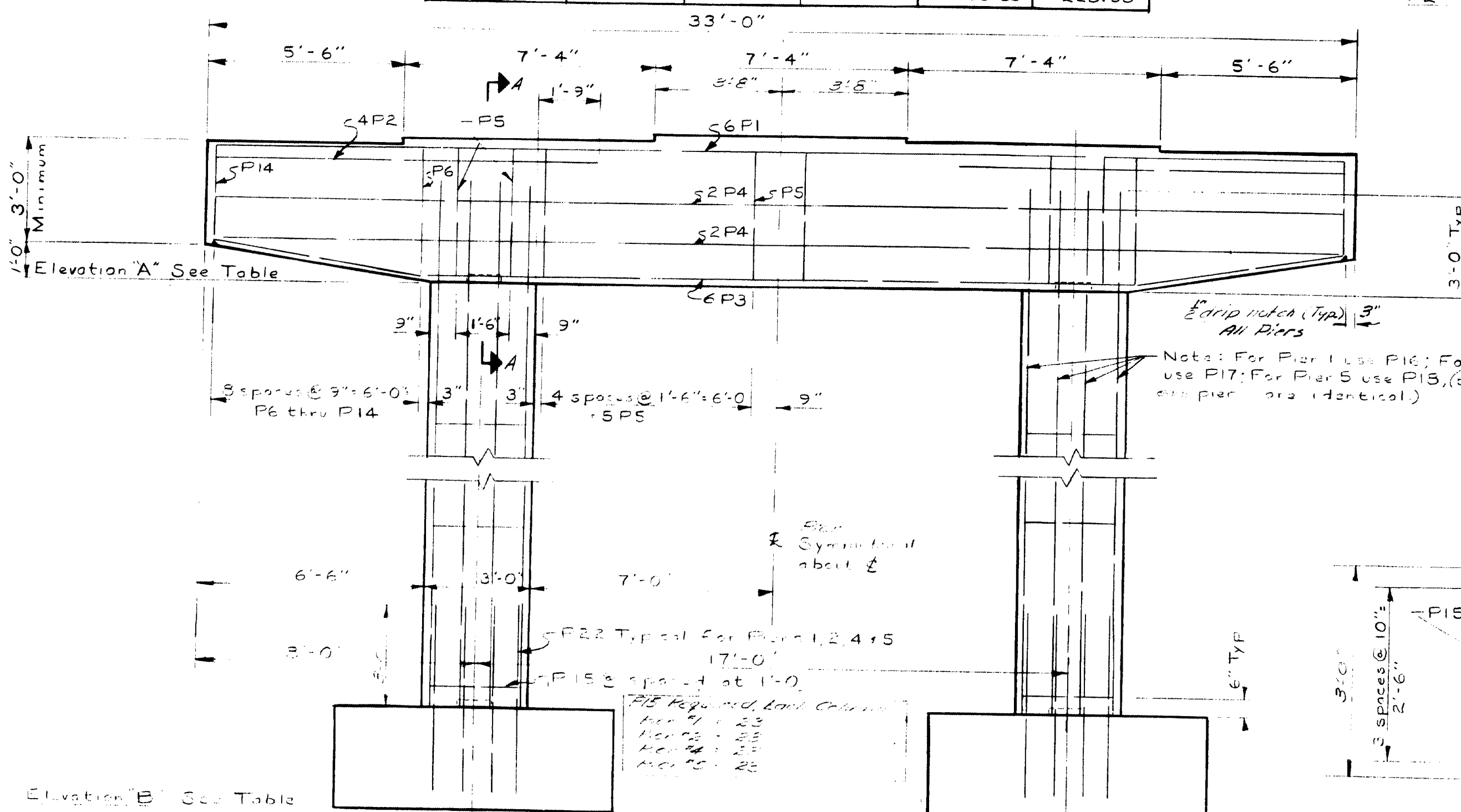
| | |
|--|--------------------------|
| DESIGN - L.L.R. | BRIDGE NO. |
| TRACE - L.L.R. | STATE HIGHWAY COMMISSION |
| CHECK - L.L.R. | BRIDGE DIVISION |
| LINCOLN SPUR OVER INTERSTATE 95 IN T2 R8 PENOBSCOT COUNTY SLOPE PAVING | |
| SHEET 7 OF 12 AUGUSTA, MAINE JAN. 1965 | |

95-169

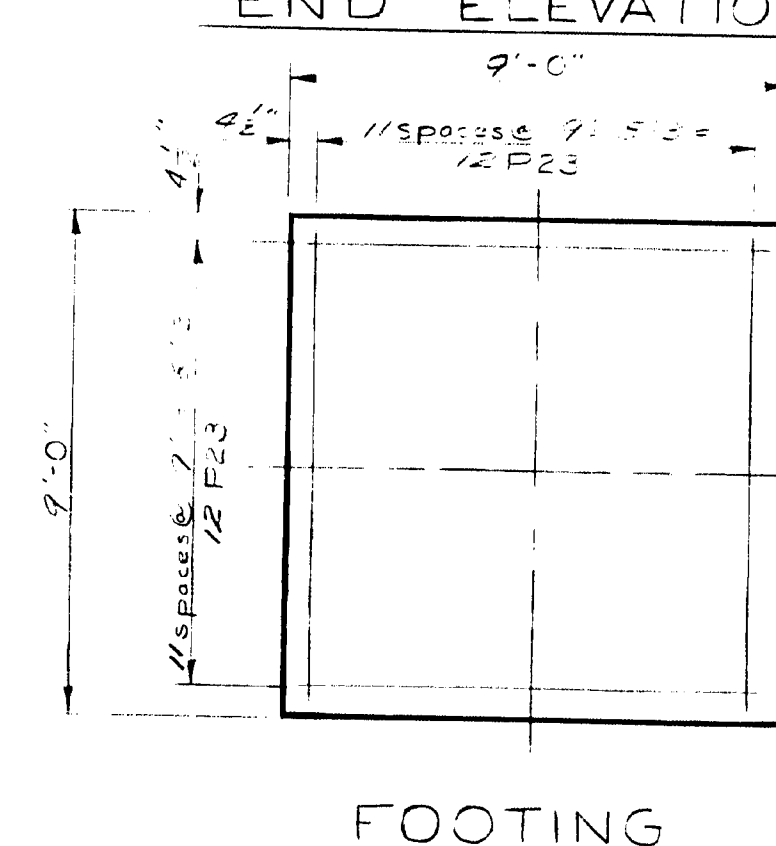
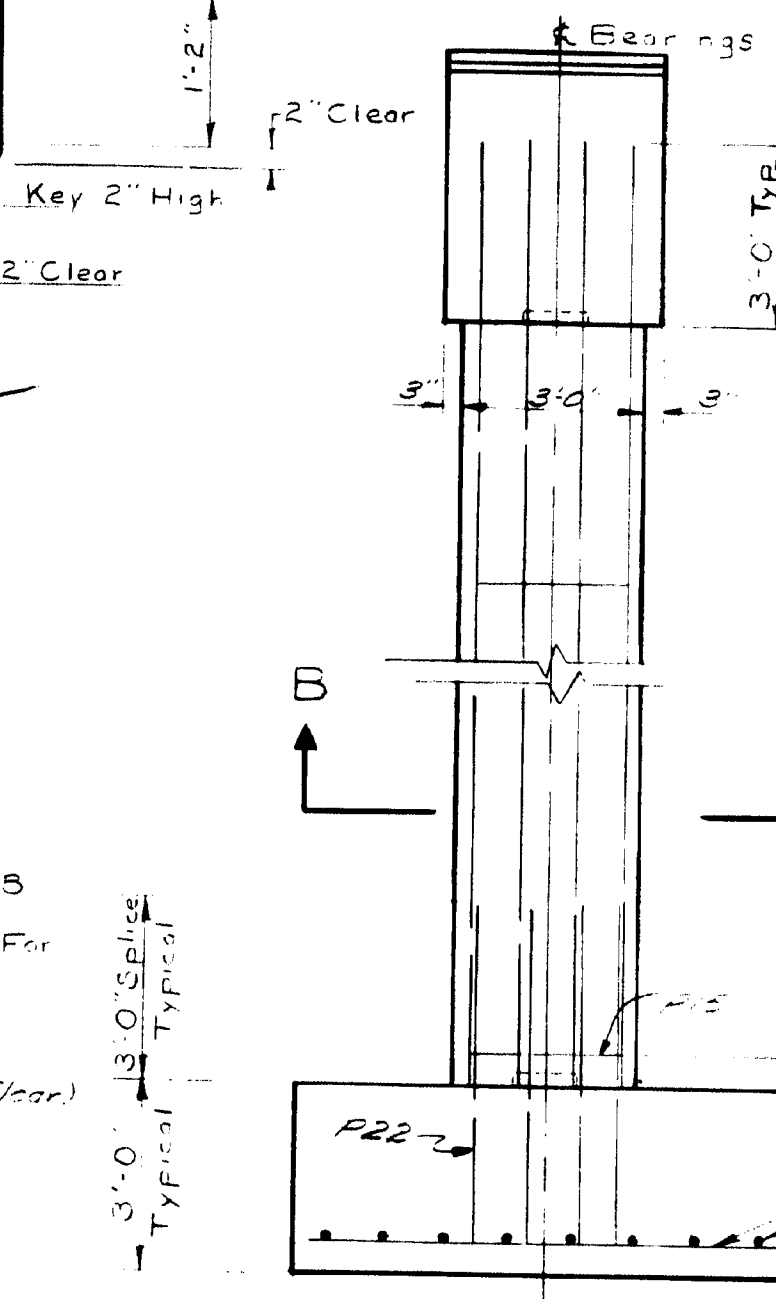
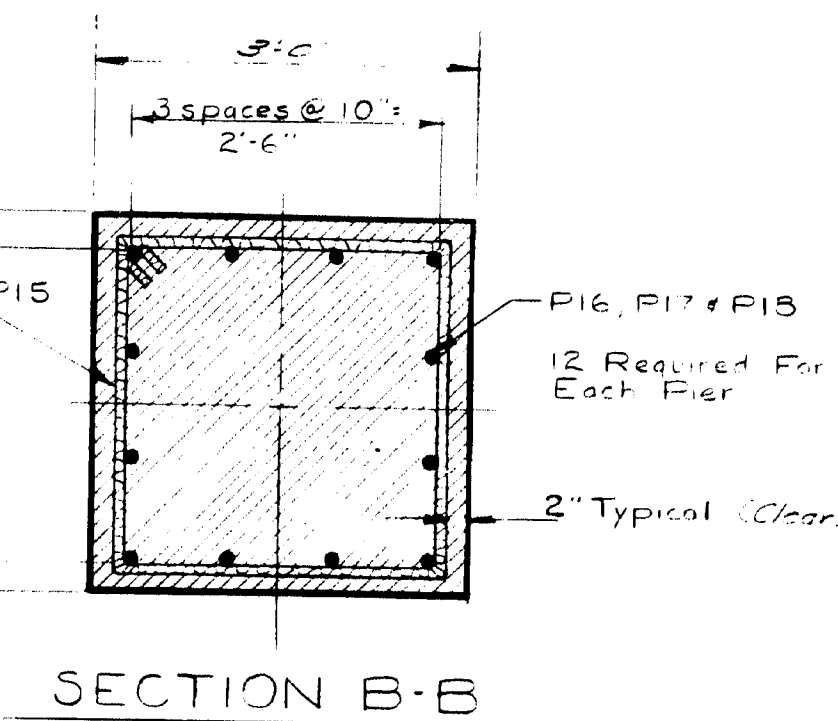
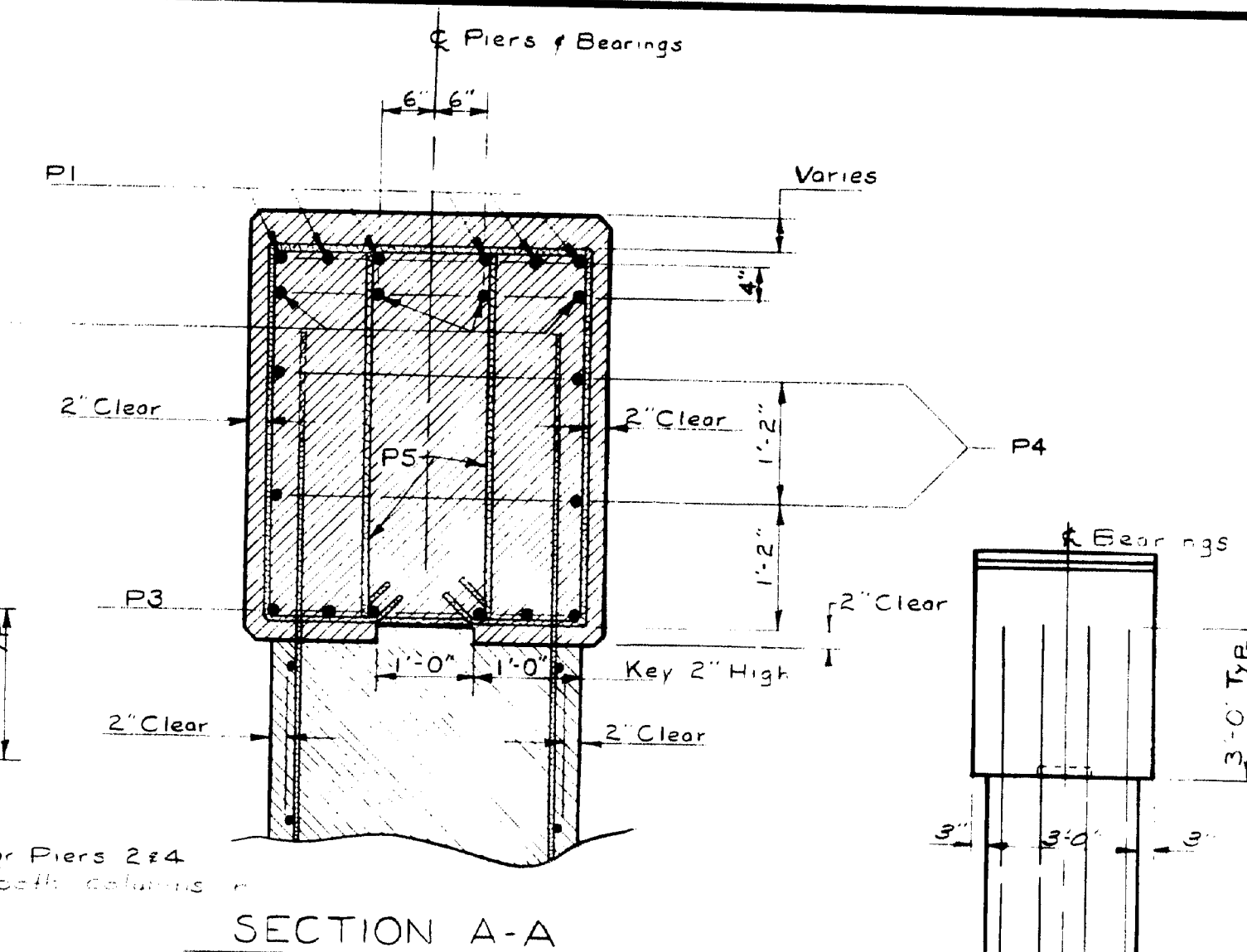
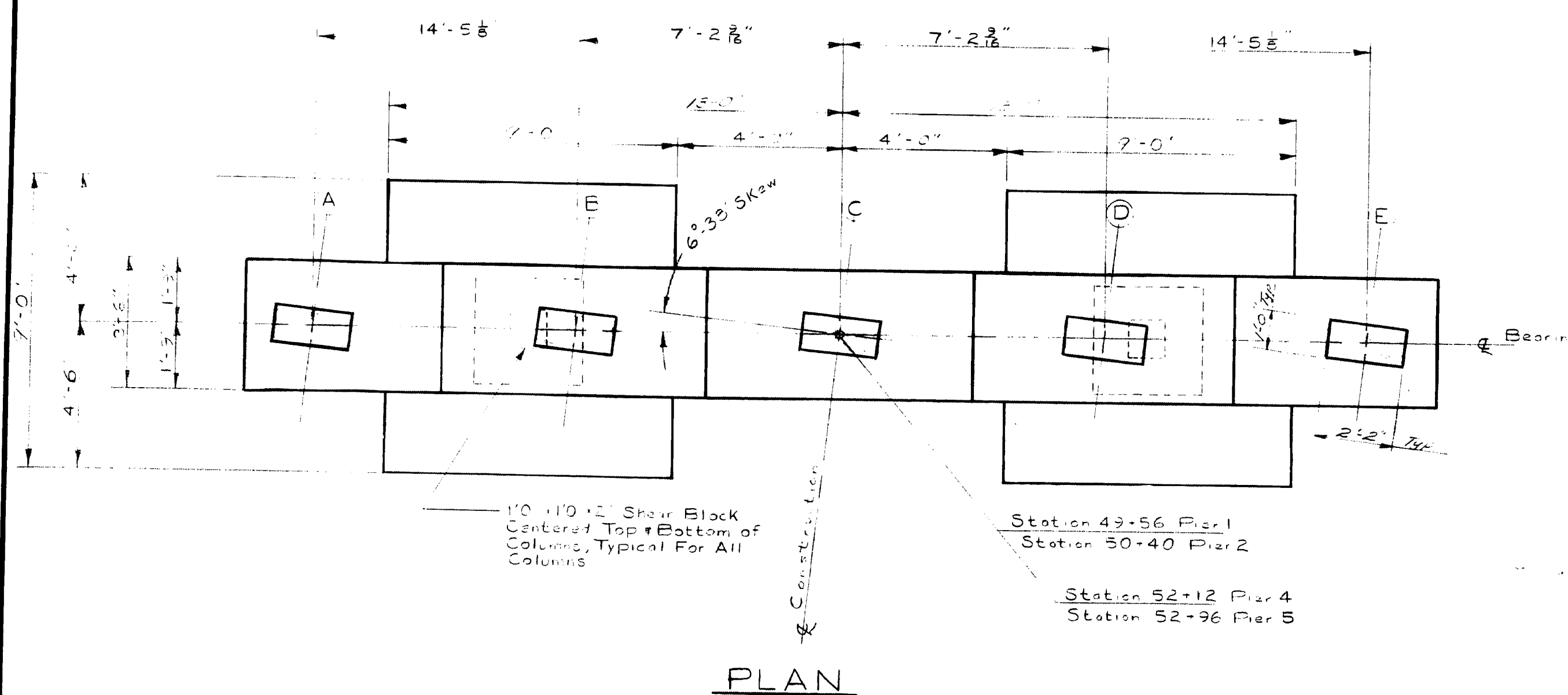


| B. P. R. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------|-------|----------------|-----------|--------------|
| 1 | MAINE | I-95-8(61) | 22 | 26 |

| BRIDGE SEAT ELEVATIONS | | | | | |
|------------------------|--------|--------|--------|--------|--------|
| | A | B | C | D | E |
| PIER 1 | 227.90 | 228.06 | 228.22 | 228.08 | 227.94 |
| PIER 2 | 228.64 | 228.79 | 228.95 | 228.81 | 228.66 |
| PIER 4 | 228.96 | 229.10 | 229.25 | 229.10 | 228.94 |
| PIER 5 | 228.53 | 228.67 | 228.81 | 228.65 | 228.50 |



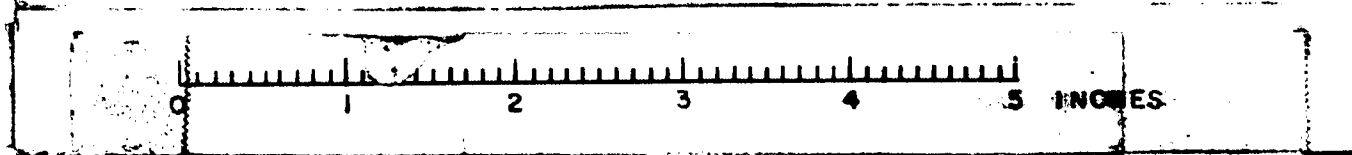
| | Pier 1 | Pier 2 | Pier 4 | Pier 5 | | Pier 1 | Pier 2 | Pier 4 | Pier 5 |
|-------------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|
| Elevation A | 227.90 | 228.64 | 228.94 | 228.50 | Elevation B | 198.30 | 197.90 | 198.73 | 198.20 |



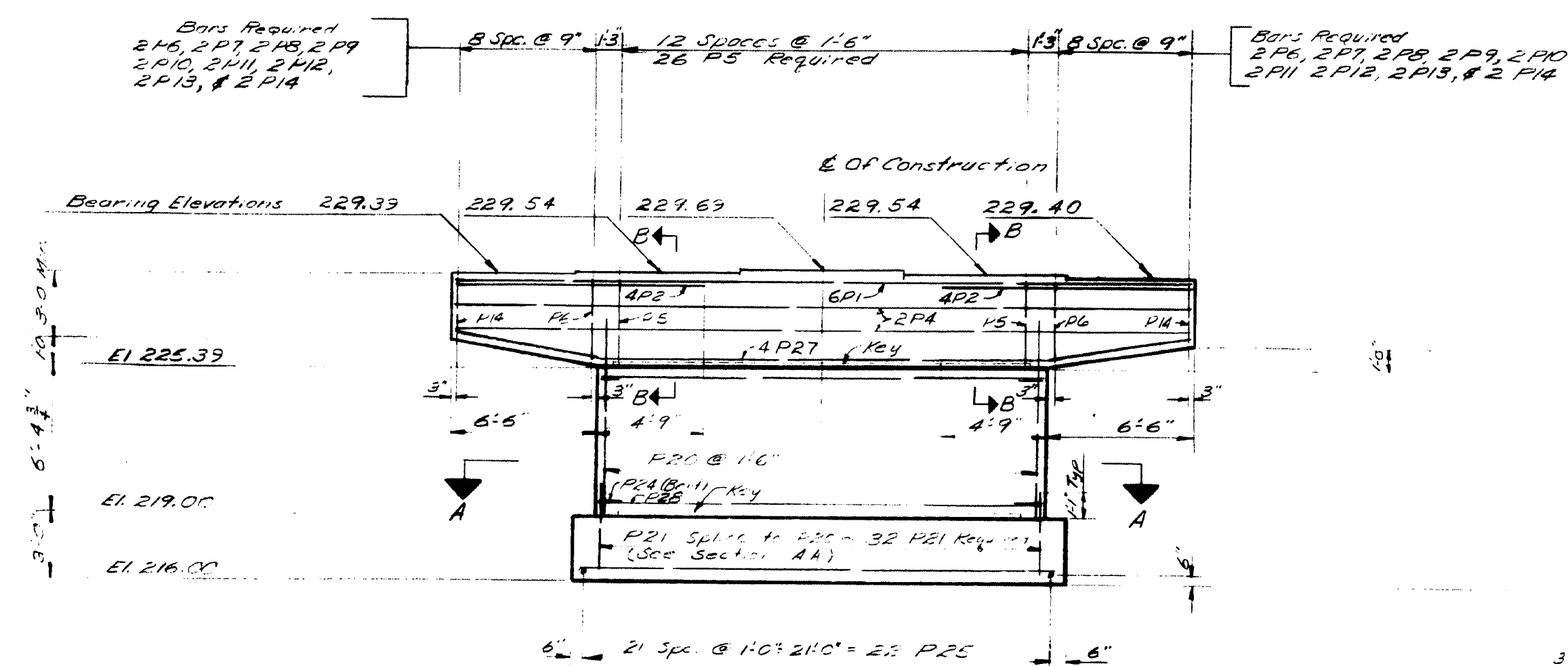
GENERAL FIELD NOTES
 1. Change all proposed dimensions to feet & inches
 2. All dimensions are to be given unless noted
 3. Reinforcement is to be given unless noted
 4. Max. Footing Pressure = 4.0 Tons/sq. foot

| | |
|--|------------|
| DESIGN - T.H.R. & A.L.L. | BRIDGE NO. |
| TRACE - J.C. | SURVEY - |
| CHECK - A.H.R. | PLOT - |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| LINCOLN SPUR OVER INTERSTATE 95 IN T2 R8 PENOBSCOT COUNTY PIERS NO. 1, 2, 4, & 5 | |
| SHEET 3 OF 12 AUGUSTA, MAINE FEB. 1965 | |

95-170

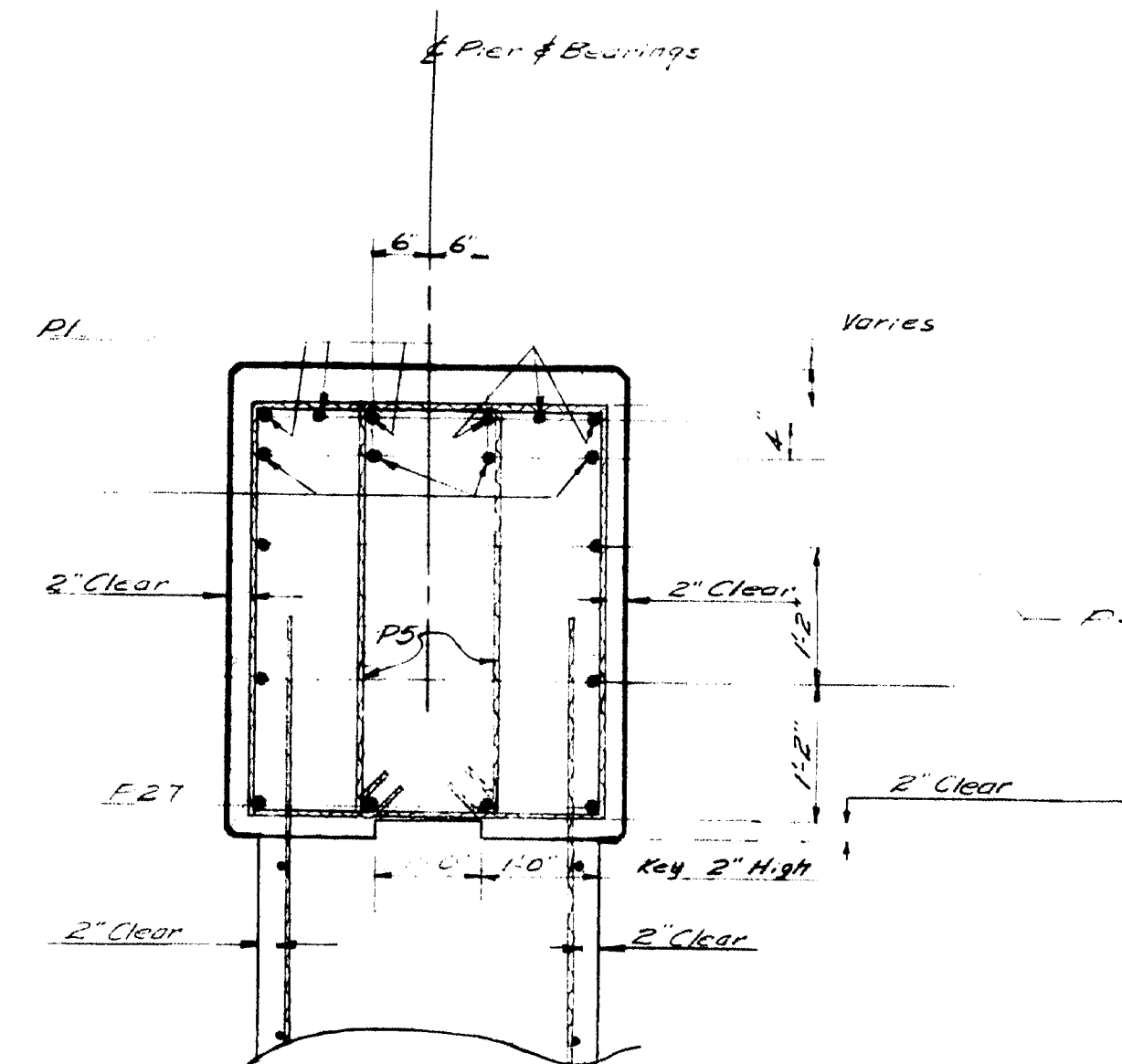


| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | I-95-8 (61) | 23 | 26 |

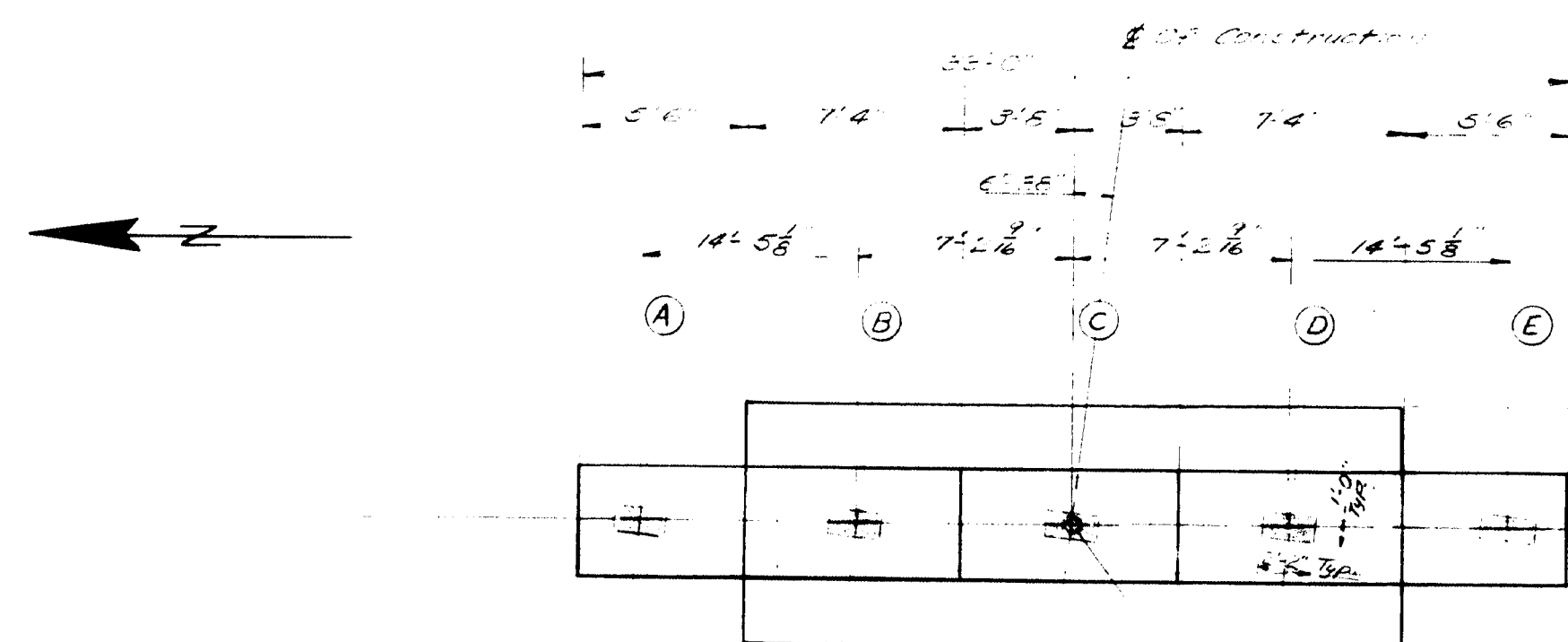


ELEVATION

END ELEVATION

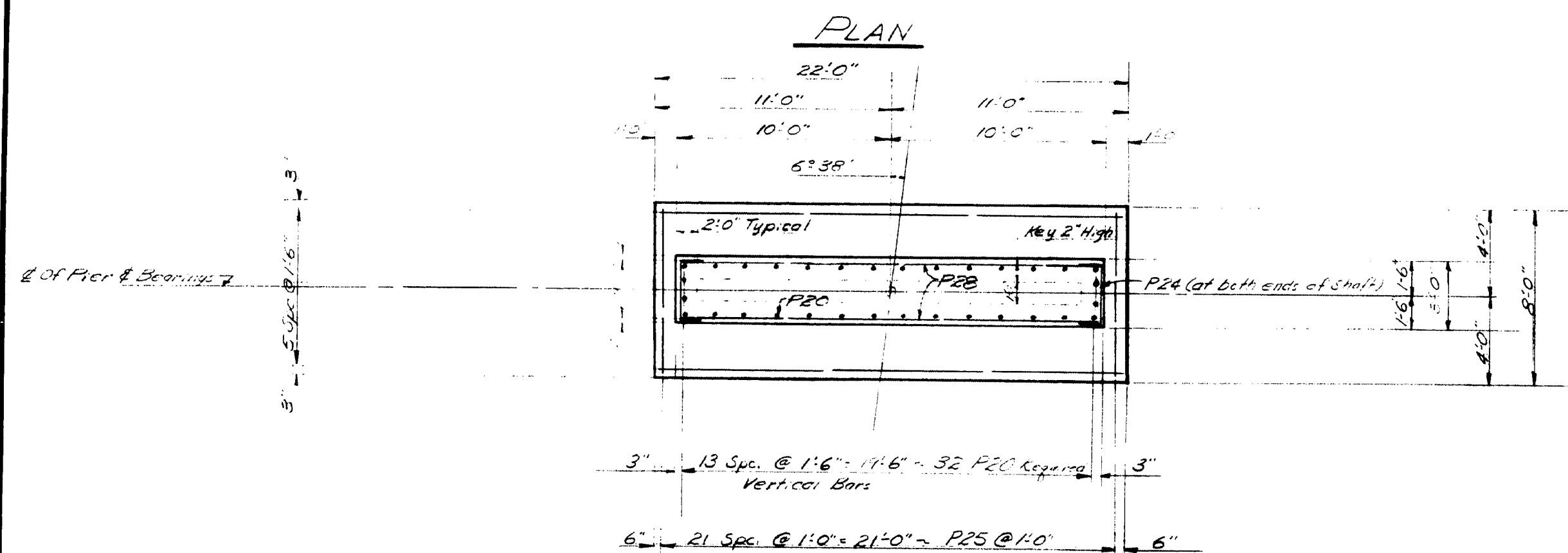


SECTION BB



PLAN

E OF Pier & Bearings



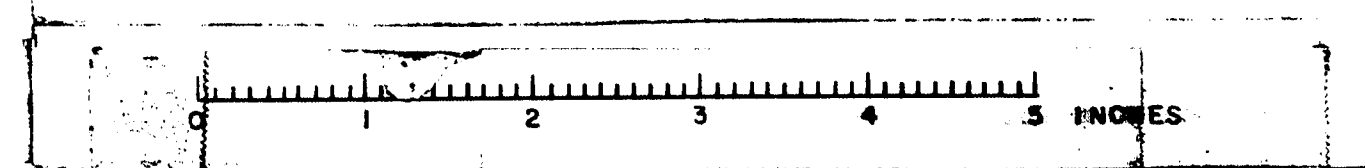
SECTION AA

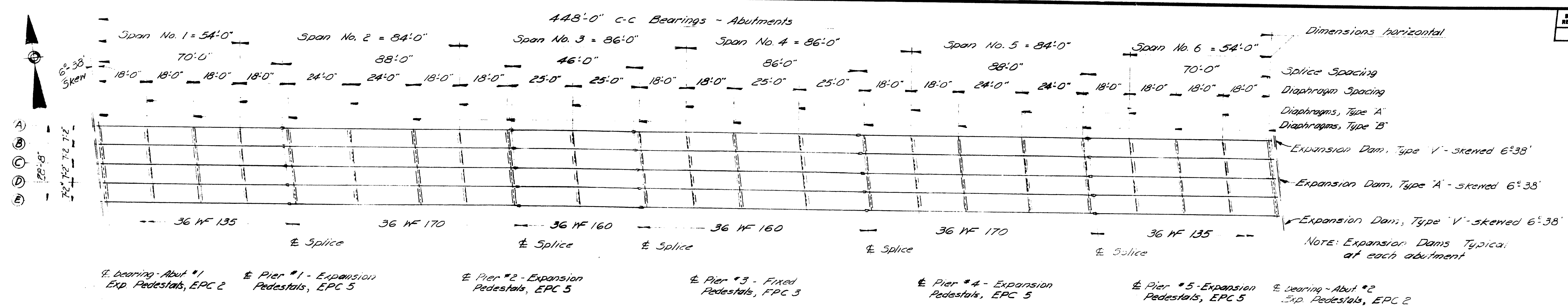
- GENERAL NOTES
1. Counter dimensions shown on drawings are approximate.
 2. All dimensions are in feet and inches.
 3. All dimensions are to center of bearing.
 4. All dimensions are to center of bearing.

| | |
|--|------------|
| DESIGN- ALL | BRIDGE NO. |
| TRACE- ALL | SURVEY- |
| CHECK- ALL | PLOT- |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| LINCOLN SPUR OVER INTERSTATE 95 IN T2 R8 PENOBSCOT COUNTY PIER NO. 3 | |

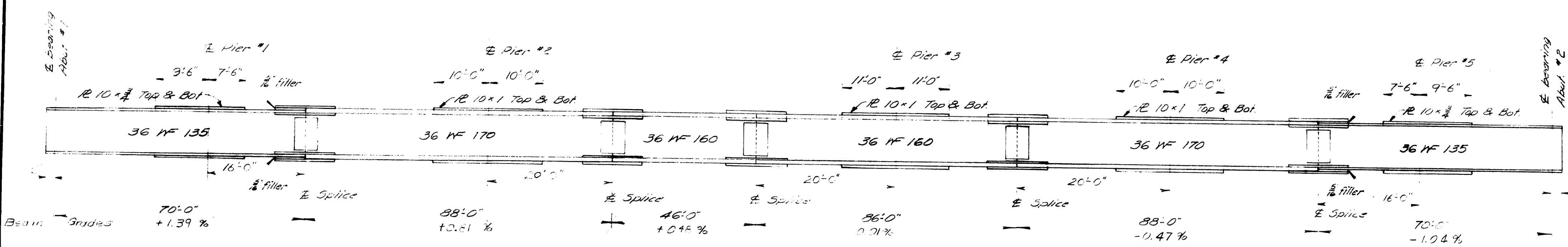
SHEET 9 OF 12 AUGUSTA, MAINE FEB. 1965

95-171

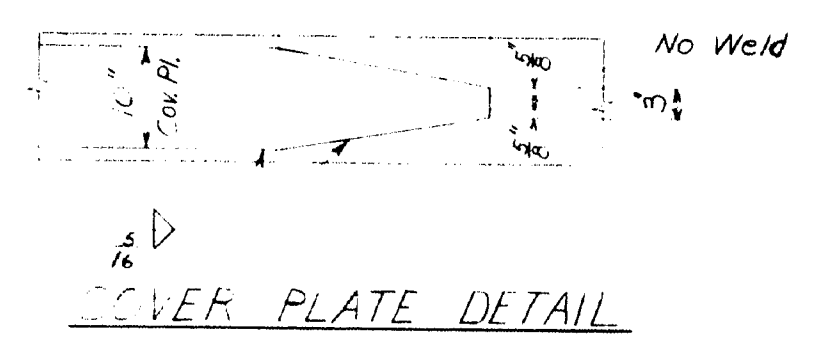




ERECTOR DIAGRAM



STRINGERS - A-B-C-D-E

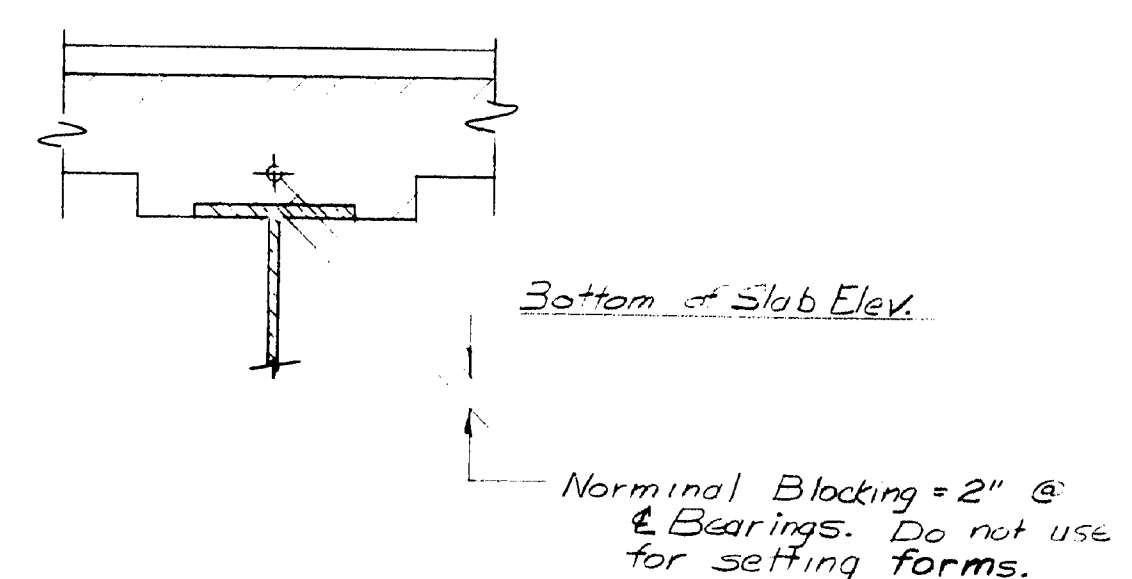


BLOCKING TABLE

| | | BOTTOM OF SLAB ELEVATIONS | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|---------------------------|---------|---------|---------|----------------|---------|---------|---------|---------|---------|----------------|---------|---------|---------|---------|---------|----------------|---------|---------|---------|---------|---------|----------------|--|
| | | ± Brg. Abut #1 | +13'-6" | +27'-0" | +40'-6" | ± Brg. Pier #1 | +14'-0" | +28'-0" | +42'-0" | +56'-0" | +70'-0" | ± Brg. Pier #2 | +14'-4" | +28'-8" | +43'-0" | +57'-4" | +71'-8" | ± Brg. Pier #3 | +14'-4" | +28'-8" | +43'-0" | +57'-4" | +71'-8" | ± Brg. Pier #4 | |
| LINE A | | 231.53 | 231.75 | 231.94 | 232.11 | 232.28 | 232.47 | 232.65 | 232.80 | 232.91 | 233.00 | 233.09 | 233.20 | 233.31 | 233.39 | 233.44 | 233.46 | 233.47 | 233.51 | 233.54 | 233.55 | 233.52 | 233.46 | 233.41 | |
| B | | 231.69 | 231.91 | 232.10 | 232.27 | 232.44 | 232.62 | 232.81 | 232.96 | 233.07 | 233.16 | 233.24 | 233.35 | 233.46 | 233.54 | 233.59 | 233.61 | 233.62 | 233.66 | 233.69 | 233.70 | 233.67 | 233.61 | 233.55 | |
| C | | 231.85 | 232.07 | 232.26 | 232.43 | 232.60 | 232.78 | 232.96 | 233.11 | 233.23 | 233.31 | 233.40 | 233.51 | 233.61 | 233.70 | 233.74 | 233.76 | 233.75 | 233.81 | 233.84 | 233.85 | 233.81 | 233.76 | 233.70 | |
| D | | 231.72 | 231.93 | 232.12 | 232.29 | 232.46 | 232.64 | 232.82 | 232.97 | 233.08 | 233.17 | 233.26 | 233.36 | 233.47 | 233.55 | 233.59 | 233.61 | 233.63 | 233.66 | 233.69 | 233.70 | 233.66 | 233.60 | 233.55 | |
| E | | 231.58 | 231.80 | 231.99 | 232.15 | 232.32 | 232.50 | 232.68 | 232.83 | 232.94 | 233.03 | 233.11 | 233.22 | 233.32 | 233.40 | 233.45 | 233.46 | 233.48 | 233.51 | 233.54 | 233.55 | 233.51 | 233.45 | 233.40 | |

| | | BOTTOM OF SLAB ELEVATIONS | | | | | | | | | | | | | |
|--------|--|---------------------------|---------|---------|----------|----------|----------|----------------|---------|---------|----------|----------------|--|--|--|
| | | ± Brg. Pier #1 | + 4'-0" | + 8'-0" | + 12'-0" | + 16'-0" | + 20'-0" | ± Brg. Pier #2 | + 3'-6" | + 7'-0" | + 10'-0" | ± Brg. Abut #2 | | | |
| LINE A | | 233.41 | 233.57 | 233.75 | 233.92 | 234.09 | 234.26 | 234.43 | 234.60 | 234.77 | 234.94 | 235.11 | | | |
| B | | 233.55 | 233.72 | 233.89 | 234.06 | 234.23 | 234.40 | 234.57 | 234.74 | 234.91 | 235.08 | 235.25 | | | |
| C | | 233.70 | 233.87 | 234.04 | 234.21 | 234.38 | 234.55 | 234.72 | 234.89 | 235.06 | 235.23 | 235.40 | | | |
| D | | 233.85 | 234.02 | 234.19 | 234.36 | 234.53 | 234.70 | 234.87 | 235.04 | 235.21 | 235.38 | 235.55 | | | |
| E | | 233.40 | 233.56 | 233.72 | 233.88 | 234.04 | 234.20 | 234.36 | 234.52 | 234.68 | 234.84 | 235.00 | | | |

Note: In order that the roadway slab will conform to the profile and cross sections shown on these plans the accompanying table of Elevations is given. Elevations for the bottom of slab which are computed to compensate for dead load deflections, must be set before slab forms are started.



REFERENCES

Fabrication & Erection: State of Maine Standard Specifications, Highway & Bridges, Revision of Jan. 1956 and supplements

Design: Detail: A.A.S.H.O. Standard Specifications of 1961 and Interim Specifications, 1961, 1962, 1963 and 1964.

All Structural Steel shall be A36 except as shown on Standard Details.

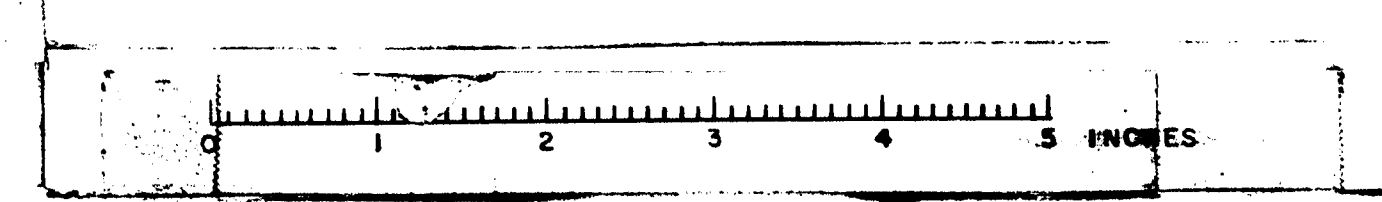
REFERENCES

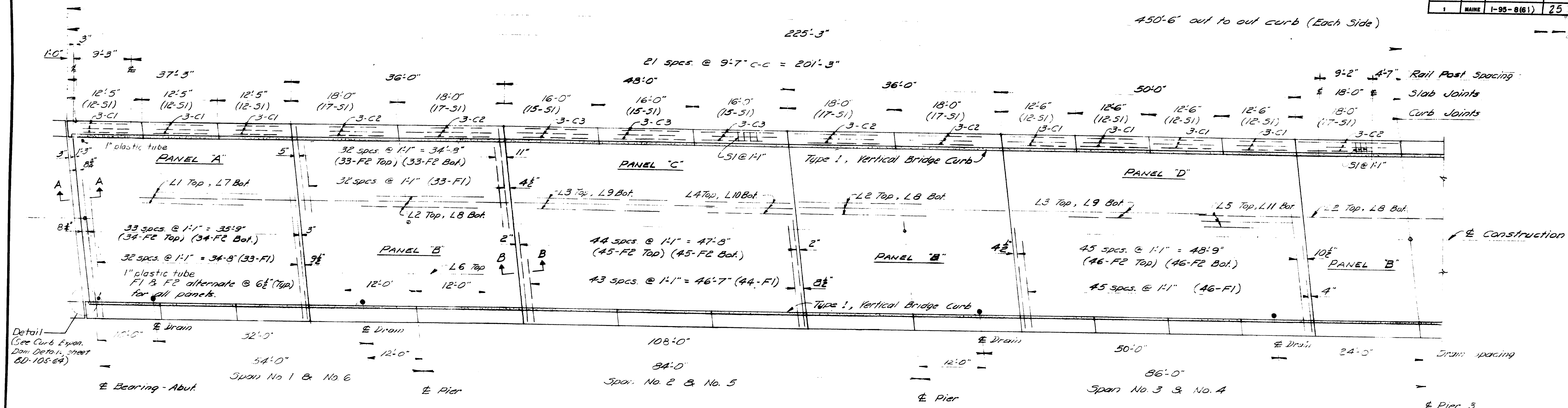
PEDESTALS

10-EPC 2 required
20-EPC 5 required
5-FPC 3 required

| | |
|--|----------------------------------|
| DESIGN - T.H.R. TRACE - J.M.R. CHECK - J.M.R. | BRIDGE NO. SURVEY - PLOT - |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| LINCOLN SPUR OVER INTERSTATE 95 IN T2 R8 PENOBSCOT COUNTY | |
| ERECTOR DIAGRAM & BLOCKING | |
| SHEET 10 OF 12 AUGUSTA, MAINE JAN. 1965 | |

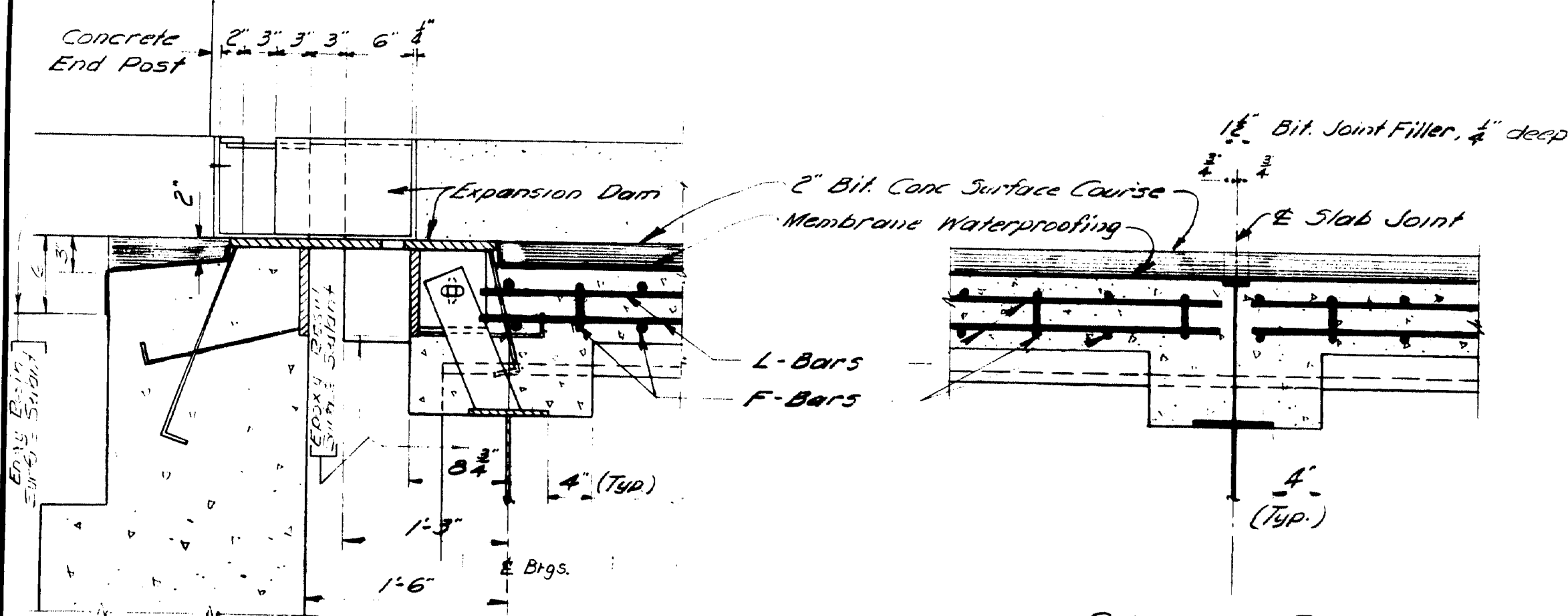
95-172



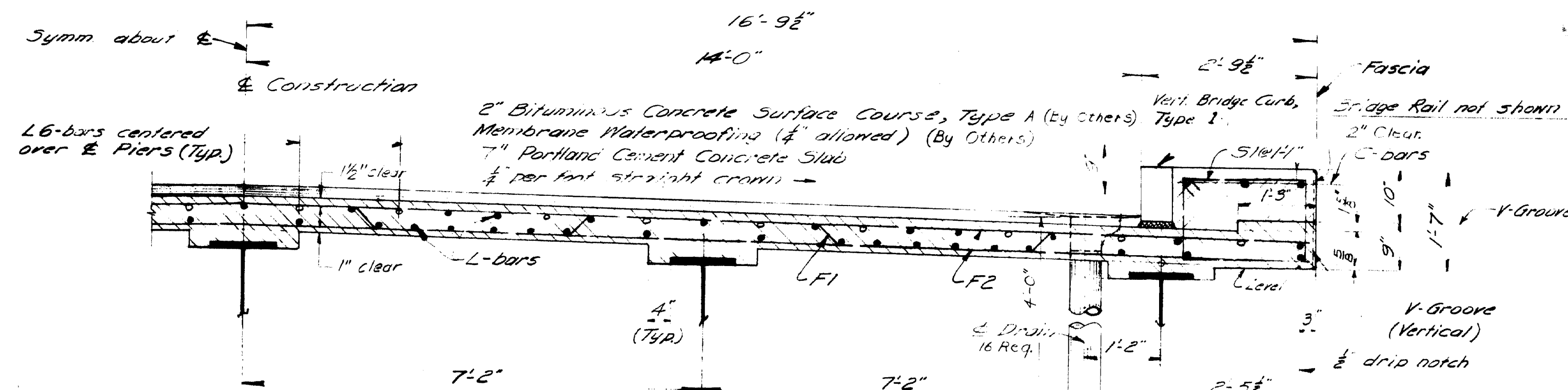


PLAN - SUPERSTRUCTURE

Rotate 180° about E of Pier 3
for Spans No. 4, 5, & 6

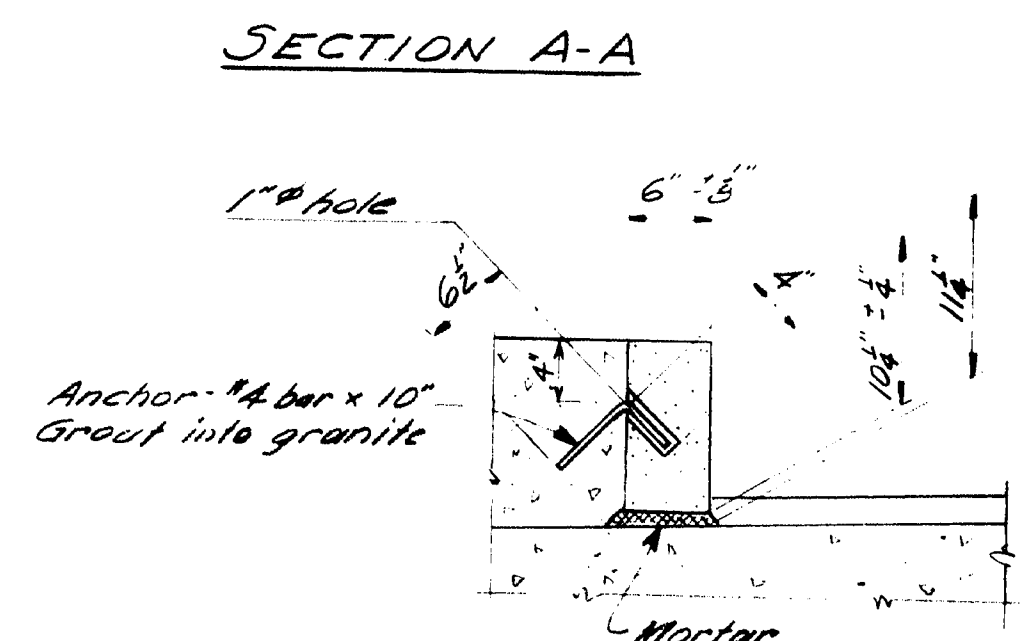


SECTION B-B
Typical



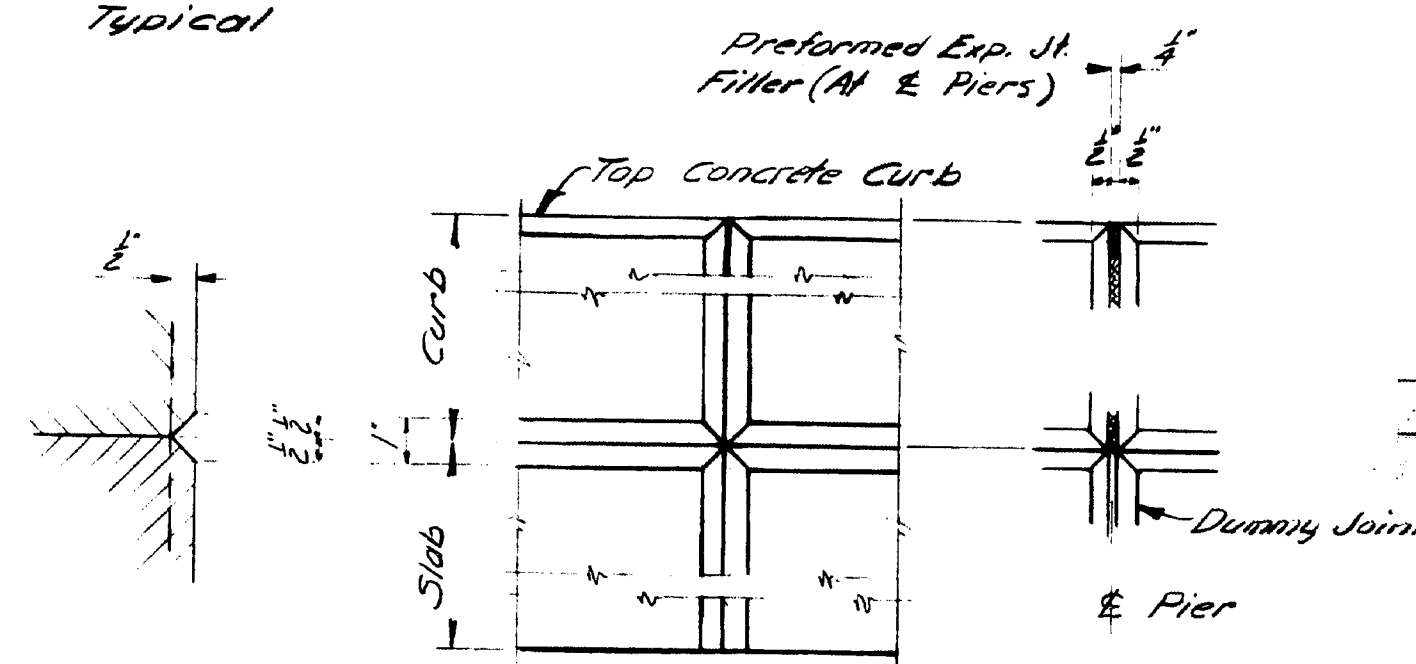
TRANSVERSE SECTION

GENERAL NOTES



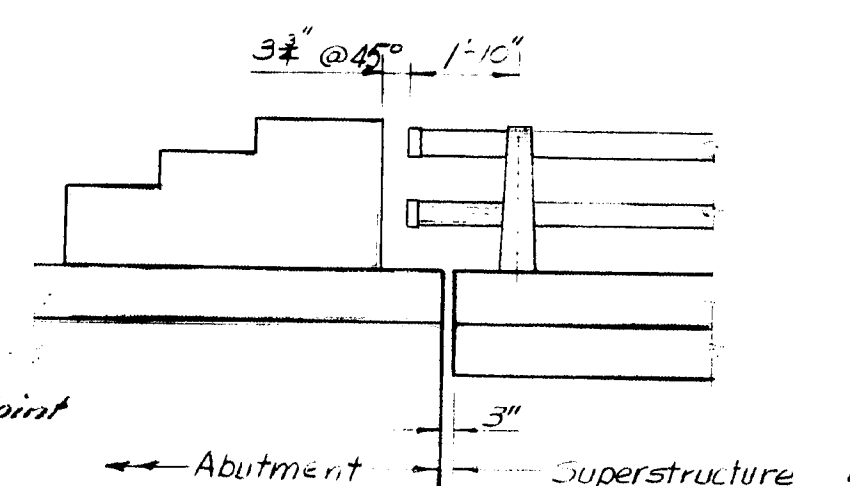
VERTICAL BRIDGE CURB - TYPE 1

Joints in Type 1 Curb shall be located at each joint in Concrete Curb. Granite Joints shall be cut square except at ends of Superstructure.



V-GROOVE

Vertical groove @ each joint in
Curb concrete.



TYPICAL DETAIL AT
END OF SUPERSTRUCTURE

Bridge Rail (See Standard Details BCI-107 & 108-64)
At low points in slab, exact location to be determined by the Engineer,
place 1" ϕ plastic tubing through slab for drainage. Do not cover with
waterproofing. Payment shall be considered incidental to contract items.
Joints in Granite Bridge Curb shall be located at each construction joint in curb.
Placing Sequence - Place all panels "A" and "D" before placing panels "B".

DESIGN- T H K
TRACE- G W C
CHECK- A H R

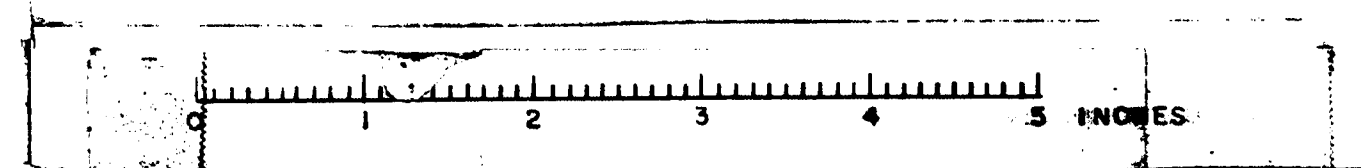
BRIDGE NO.
SURVEY-
PLOT-

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

LINCOLN SPUR
OVER
INTERSTATE 95
IN
T2 R8
PENOBSCOT COUNTRY
SUPERSTRUCTURE

SHEET 11 OF 12 AUGUSTA, MAINE JAN. 1965

95-173



| REINFORCING STEEL SCHEDULE | | | | | | B.P.R. REV. NO. | STATE MAINE | PROJECT NUMBER I-95-B(6) | SHEET NO. 26 | TOTAL SHEETS 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------|--------|---------|---------------------------------|--|--|----------------|-----------------------------|-----------------|--------------------|----|------|------|--------|------------|----------|----|----|-------|------------------------|-------------------|----|----|-------|--------|---------------------|----|---|-------|--------|-----|----|----|-------|-----------|-----|----|----|-------|--------------------------|-----|----|----|-------|--------------|-----|----|----|-------|--------------|------------------------------|------|--------|--------|----------|----------------|----|----|--------|----------|--------------|------|------|--------|--------|----------|-----|-----|-------|-----------------------|---------------|-----|----|-------|--------|---------------------------------|-----|----|-------|----------|---------|-----|----|--------|------------|---------|-----|----|--------|----------|----|-----|----|-------|-----------|---------------------------------|-----|----|-------|-------|-----------------|-----|----|-------|-------|--------------------|-----|----|-------|-------|----------------|-----|----|-------|-----------|-----|-----|----|-------|--------|---------------|---|---|-------|---|-----|---|----|---------|---------------|-----|---|-----|--------|---|---|--|--|--|--|--|------|------|--------|--------|----------|----|----|-----|--------|------------------------|----|---|-----|-------|-------|------|------|--------|--------|----------|----|----|-----|--------|------------------------|----|---|----|--------|--------------------------|----|---|-----|--------|---|----|---|----|--------|---|----|---|----|--------|---|----|---|----|--------|---|----|---|----|--------|---|----|---|----|--------|---|----|---|-----|--------|---|----|---|-----|--------|---|-----|---|----|--------|---|-----|---|----|--------|---|----|---|----|--------|------|----|---|----|--------|---|----|---|----|--------|---|-------------------|--|--|--|--|--|
| ABUTMENTS | | | | | | G.W.C. SUPERSTRUCTURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>BENT BARS</p> <table border="1"> <thead> <tr> <th>Mark</th> <th>Size</th> <th>Number</th> <th>Length</th> <th>Location</th> </tr> </thead> <tbody> <tr><td>A5</td><td>#5</td><td>36</td><td>8'-6"</td><td>Breastwall</td></tr> <tr><td>A13</td><td>5</td><td>8</td><td>8'-3"</td><td>Wing Walls (End Posts)</td></tr> <tr><td>A14</td><td>5</td><td>4</td><td>7'-3"</td><td>" " "</td></tr> <tr><td>A15</td><td>5</td><td>4</td><td>5'-7"</td><td>" " "</td></tr> <tr><td>A16</td><td>5</td><td>24</td><td>7'-2"</td><td>" " Curbs</td></tr> <tr><td>A20</td><td>6</td><td>36</td><td>3'-6"</td><td>Approach Slab - Backwall</td></tr> <tr><td>A21</td><td>4</td><td>20</td><td>3'-9"</td><td>Bearing Pads</td></tr> <tr><td>A22</td><td>4</td><td>20</td><td>4'-7"</td><td>Bearing Pads</td></tr> </tbody> </table> <p>STRAIGHT BARS</p> <table border="1"> <thead> <tr> <th>Mark</th> <th>Size</th> <th>Number</th> <th>Length</th> <th>Location</th> </tr> </thead> <tbody> <tr><td>A1</td><td>6</td><td>14</td><td>34'-4"</td><td>Footings</td></tr> <tr><td>A2</td><td>6</td><td>70</td><td>5'-11"</td><td>"</td></tr> <tr><td>A3</td><td>5</td><td>104</td><td>2'-6"</td><td>Footings & Breastwall</td></tr> <tr><td>A4</td><td>5</td><td>36</td><td>7'-9"</td><td>"</td></tr> <tr><td>A6</td><td>5</td><td>72</td><td>4'-9"</td><td>Backwall</td></tr> <tr><td>A7</td><td>5</td><td>40</td><td>17'-3"</td><td>Breastwall</td></tr> <tr><td>A8</td><td>4</td><td>32</td><td>17'-3"</td><td>Backwall</td></tr> <tr><td>A9</td><td>5</td><td>8</td><td>8'-9"</td><td>Wingwalls</td></tr> <tr><td>A10</td><td>5</td><td>40</td><td>9'-7"</td><td>"</td></tr> <tr><td>A11</td><td>5</td><td>44</td><td>9'-0"</td><td>"</td></tr> <tr><td>A12</td><td>5</td><td>28</td><td>6'-8"</td><td>"</td></tr> <tr><td>A17</td><td>4</td><td>16</td><td>4'-8"</td><td>End Posts</td></tr> <tr><td>A18</td><td>4</td><td>8</td><td>3'-2"</td><td>"</td></tr> <tr><td>A19</td><td>4</td><td>8</td><td>1'-8"</td><td>"</td></tr> <tr><td>A23</td><td>4</td><td>40</td><td>26'-10"</td><td>Approach Slab</td></tr> <tr><td>A24</td><td>6</td><td>216</td><td>14'-8"</td><td>"</td></tr> </tbody> </table> | | | | | | Mark | Size | Number | Length | Location | A5 | #5 | 36 | 8'-6" | Breastwall | A13 | 5 | 8 | 8'-3" | Wing Walls (End Posts) | A14 | 5 | 4 | 7'-3" | " " " | A15 | 5 | 4 | 5'-7" | " " " | A16 | 5 | 24 | 7'-2" | " " Curbs | A20 | 6 | 36 | 3'-6" | Approach Slab - Backwall | A21 | 4 | 20 | 3'-9" | Bearing Pads | A22 | 4 | 20 | 4'-7" | Bearing Pads | Mark | Size | Number | Length | Location | A1 | 6 | 14 | 34'-4" | Footings | A2 | 6 | 70 | 5'-11" | " | A3 | 5 | 104 | 2'-6" | Footings & Breastwall | A4 | 5 | 36 | 7'-9" | " | A6 | 5 | 72 | 4'-9" | Backwall | A7 | 5 | 40 | 17'-3" | Breastwall | A8 | 4 | 32 | 17'-3" | Backwall | A9 | 5 | 8 | 8'-9" | Wingwalls | A10 | 5 | 40 | 9'-7" | " | A11 | 5 | 44 | 9'-0" | " | A12 | 5 | 28 | 6'-8" | " | A17 | 4 | 16 | 4'-8" | End Posts | A18 | 4 | 8 | 3'-2" | " | A19 | 4 | 8 | 1'-8" | " | A23 | 4 | 40 | 26'-10" | Approach Slab | A24 | 6 | 216 | 14'-8" | " | <p>BENT BARS</p> <table border="1"> <thead> <tr> <th>Mark</th> <th>Size</th> <th>Number</th> <th>Length</th> <th>Location</th> </tr> </thead> <tbody> <tr><td>F1</td><td>#6</td><td>411</td><td>34'-6"</td><td>Slab - Transverse Bars</td></tr> <tr><td>SI</td><td>5</td><td>856</td><td>7'-0"</td><td>Curbs</td></tr> </tbody> </table> <p>STRAIGHT BARS</p> <table border="1"> <thead> <tr> <th>Mark</th> <th>Size</th> <th>Number</th> <th>Length</th> <th>Location</th> </tr> </thead> <tbody> <tr><td>F2</td><td>#5</td><td>830</td><td>33'-6"</td><td>Slab - Transverse Bars</td></tr> <tr><td>L1</td><td>4</td><td>46</td><td>36'-6"</td><td>Slab - Longitudinal Bars</td></tr> <tr><td>L2</td><td>4</td><td>115</td><td>35'-6"</td><td>"</td></tr> <tr><td>L3</td><td>4</td><td>32</td><td>30'-0"</td><td>"</td></tr> <tr><td>L4</td><td>4</td><td>46</td><td>18'-9"</td><td>"</td></tr> <tr><td>L5</td><td>4</td><td>46</td><td>20'-9"</td><td>"</td></tr> <tr><td>L6</td><td>4</td><td>30</td><td>24'-0"</td><td>"</td></tr> <tr><td>L7</td><td>5</td><td>72</td><td>36'-6"</td><td>"</td></tr> <tr><td>L8</td><td>5</td><td>180</td><td>35'-6"</td><td>"</td></tr> <tr><td>L9</td><td>5</td><td>144</td><td>30'-0"</td><td>"</td></tr> <tr><td>L10</td><td>5</td><td>72</td><td>18'-9"</td><td>"</td></tr> <tr><td>L11</td><td>5</td><td>72</td><td>26'-7"</td><td>"</td></tr> <tr><td>C1</td><td>5</td><td>84</td><td>12'-0"</td><td>Curb</td></tr> <tr><td>C2</td><td>5</td><td>60</td><td>17'-6"</td><td>"</td></tr> <tr><td>C3</td><td>5</td><td>36</td><td>15'-6"</td><td>"</td></tr> </tbody> </table> | | | | | | Mark | Size | Number | Length | Location | F1 | #6 | 411 | 34'-6" | Slab - Transverse Bars | SI | 5 | 856 | 7'-0" | Curbs | Mark | Size | Number | Length | Location | F2 | #5 | 830 | 33'-6" | Slab - Transverse Bars | L1 | 4 | 46 | 36'-6" | Slab - Longitudinal Bars | L2 | 4 | 115 | 35'-6" | " | L3 | 4 | 32 | 30'-0" | " | L4 | 4 | 46 | 18'-9" | " | L5 | 4 | 46 | 20'-9" | " | L6 | 4 | 30 | 24'-0" | " | L7 | 5 | 72 | 36'-6" | " | L8 | 5 | 180 | 35'-6" | " | L9 | 5 | 144 | 30'-0" | " | L10 | 5 | 72 | 18'-9" | " | L11 | 5 | 72 | 26'-7" | " | C1 | 5 | 84 | 12'-0" | Curb | C2 | 5 | 60 | 17'-6" | " | C3 | 5 | 36 | 15'-6" | " | P.I.E.R.S. | | | | | |
| Mark | Size | Number | Length | Location | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A5 | #5 | 36 | 8'-6" | Breastwall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A13 | 5 | 8 | 8'-3" | Wing Walls (End Posts) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A14 | 5 | 4 | 7'-3" | " " " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A15 | 5 | 4 | 5'-7" | " " " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A16 | 5 | 24 | 7'-2" | " " Curbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A20 | 6 | 36 | 3'-6" | Approach Slab - Backwall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A21 | 4 | 20 | 3'-9" | Bearing Pads | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A22 | 4 | 20 | 4'-7" | Bearing Pads | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mark | Size | Number | Length | Location | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1 | 6 | 14 | 34'-4" | Footings | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2 | 6 | 70 | 5'-11" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A3 | 5 | 104 | 2'-6" | Footings & Breastwall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A4 | 5 | 36 | 7'-9" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6 | 5 | 72 | 4'-9" | Backwall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A7 | 5 | 40 | 17'-3" | Breastwall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A8 | 4 | 32 | 17'-3" | Backwall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A9 | 5 | 8 | 8'-9" | Wingwalls | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A10 | 5 | 40 | 9'-7" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A11 | 5 | 44 | 9'-0" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A12 | 5 | 28 | 6'-8" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A17 | 4 | 16 | 4'-8" | End Posts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A18 | 4 | 8 | 3'-2" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A19 | 4 | 8 | 1'-8" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A23 | 4 | 40 | 26'-10" | Approach Slab | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A24 | 6 | 216 | 14'-8" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mark | Size | Number | Length | Location | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F1 | #6 | 411 | 34'-6" | Slab - Transverse Bars | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SI | 5 | 856 | 7'-0" | Curbs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mark | Size | Number | Length | Location | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F2 | #5 | 830 | 33'-6" | Slab - Transverse Bars | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1 | 4 | 46 | 36'-6" | Slab - Longitudinal Bars | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L2 | 4 | 115 | 35'-6" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L3 | 4 | 32 | 30'-0" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L4 | 4 | 46 | 18'-9" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L5 | 4 | 46 | 20'-9" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L6 | 4 | 30 | 24'-0" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L7 | 5 | 72 | 36'-6" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L8 | 5 | 180 | 35'-6" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L9 | 5 | 144 | 30'-0" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L10 | 5 | 72 | 18'-9" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L11 | 5 | 72 | 26'-7" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | 5 | 84 | 12'-0" | Curb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C2 | 5 | 60 | 17'-6" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C3 | 5 | 36 | 15'-6" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | <p>BENT BARS</p> <table border="1"> <thead> <tr> <th>Mark</th> <th>Size</th> <th>Number</th> <th>Length</th> <th>Location</th> </tr> </thead> <tbody> <tr><td>P1</td><td>#9</td><td>24</td><td>25'-8"</td><td>Cap. Pier #1 & #2</td></tr> <tr><td>P2</td><td>#5</td><td>138</td><td>12'-1"</td><td>Stirrups - All Caps</td></tr> <tr><td>P3</td><td>"</td><td>20</td><td>12'-0"</td><td>"</td></tr> <tr><td>P4</td><td>"</td><td>1</td><td>11'-10"</td><td>"</td></tr> <tr><td>P5</td><td>"</td><td>1</td><td>11'-5"</td><td>"</td></tr> <tr><td>P6</td><td>#5</td><td>20</td><td>10'-2"</td><td>"</td></tr> <tr><td>P7</td><td>#4</td><td>184</td><td>11'-2"</td><td>Stirrups in Columns, Pier #3</td></tr> <tr><td>P8</td><td>#5</td><td>10</td><td>4'-8"</td><td>Shall. Pier #3</td></tr> <tr><td>P9</td><td>#7</td><td>4</td><td>32'-8"</td><td>Cap. Pier #3</td></tr> </tbody> </table> <p>STRAIGHT BARS</p> <table border="1"> <thead> <tr> <th>Mark</th> <th>Size</th> <th>Number</th> <th>Length</th> <th>Location</th> </tr> </thead> <tbody> <tr><td>P10</td><td>#6</td><td>40</td><td>11'-8"</td><td>All Pier Caps</td></tr> <tr><td>P11</td><td>#9</td><td>24</td><td>25'-8"</td><td>Vertical Bar in Column, Pier #3</td></tr> <tr><td>P12</td><td>#9</td><td>45</td><td>26'-9"</td><td>Pier #3</td></tr> <tr><td>P13</td><td>#9</td><td>24</td><td>24'-4"</td><td>Pier #3</td></tr> <tr><td>P14</td><td>#5</td><td>20</td><td>8'-6"</td><td>"</td></tr> <tr><td>P15</td><td>#5</td><td>10</td><td>3'-9"</td><td>Bottom Section to Shaft Pier #3</td></tr> <tr><td>P16</td><td>#9</td><td>76</td><td>5'-6"</td><td>Columns Pier #3</td></tr> <tr><td>P17</td><td>#7</td><td>192</td><td>3'-6"</td><td>Footings - Pier #3</td></tr> <tr><td>P18</td><td>#7</td><td>12</td><td>7'-6"</td><td>Footng Pier #3</td></tr> <tr><td>P19</td><td>#5</td><td>6</td><td>21'-6"</td><td>"</td></tr> <tr><td>P20</td><td>#5</td><td>10</td><td>19'-8"</td><td>Shaft Pier #3</td></tr> </tbody> </table> | | | | | | Mark | Size | Number | Length | Location | P1 | #9 | 24 | 25'-8" | Cap. Pier #1 & #2 | P2 | #5 | 138 | 12'-1" | Stirrups - All Caps | P3 | " | 20 | 12'-0" | " | P4 | " | 1 | 11'-10" | " | P5 | " | 1 | 11'-5" | " | P6 | #5 | 20 | 10'-2" | " | P7 | #4 | 184 | 11'-2" | Stirrups in Columns, Pier #3 | P8 | #5 | 10 | 4'-8" | Shall. Pier #3 | P9 | #7 | 4 | 32'-8" | Cap. Pier #3 | Mark | Size | Number | Length | Location | P10 | #6 | 40 | 11'-8" | All Pier Caps | P11 | #9 | 24 | 25'-8" | Vertical Bar in Column, Pier #3 | P12 | #9 | 45 | 26'-9" | Pier #3 | P13 | #9 | 24 | 24'-4" | Pier #3 | P14 | #5 | 20 | 8'-6" | " | P15 | #5 | 10 | 3'-9" | Bottom Section to Shaft Pier #3 | P16 | #9 | 76 | 5'-6" | Columns Pier #3 | P17 | #7 | 192 | 3'-6" | Footings - Pier #3 | P18 | #7 | 12 | 7'-6" | Footng Pier #3 | P19 | #5 | 6 | 21'-6" | " | P20 | #5 | 10 | 19'-8" | Shaft Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mark | Size | Number | Length | Location | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P1 | #9 | 24 | 25'-8" | Cap. Pier #1 & #2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2 | #5 | 138 | 12'-1" | Stirrups - All Caps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P3 | " | 20 | 12'-0" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P4 | " | 1 | 11'-10" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P5 | " | 1 | 11'-5" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P6 | #5 | 20 | 10'-2" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P7 | #4 | 184 | 11'-2" | Stirrups in Columns, Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P8 | #5 | 10 | 4'-8" | Shall. Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P9 | #7 | 4 | 32'-8" | Cap. Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mark | Size | Number | Length | Location | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P10 | #6 | 40 | 11'-8" | All Pier Caps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P11 | #9 | 24 | 25'-8" | Vertical Bar in Column, Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P12 | #9 | 45 | 26'-9" | Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P13 | #9 | 24 | 24'-4" | Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P14 | #5 | 20 | 8'-6" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P15 | #5 | 10 | 3'-9" | Bottom Section to Shaft Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P16 | #9 | 76 | 5'-6" | Columns Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P17 | #7 | 192 | 3'-6" | Footings - Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P18 | #7 | 12 | 7'-6" | Footng Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P19 | #5 | 6 | 21'-6" | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P20 | #5 | 10 | 19'-8" | Shaft Pier #3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note: All reinforcing steel to be intermediate grade. Dimensions to & of bars. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

DESIGN - L.H.M. / SURVEY - PLOT -
 CHECK - A.H.H.
 BRIDGE NO. / STATE HIGHWAY COMMISSION / BRIDGE DIVISION
LINCOLN SPUR OVER INTERSTATE 95 IN T2 R8 PENOBSCOT COUNTY
 REINFORCING STEEL SCHEDULE
 SHEET 26 OF 12 AUGUSTA, MAINE JAN. 1965

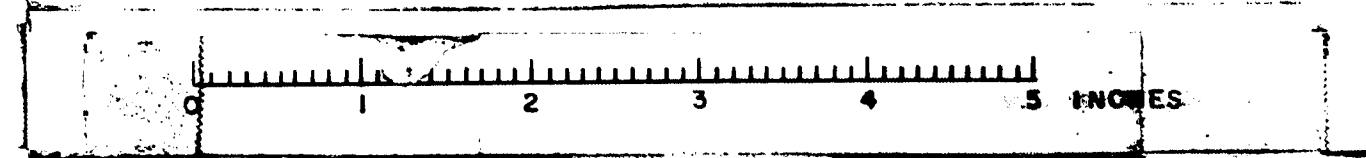
| | |
|-------------------------|------------|
| DESIGN- <i>As Noted</i> | BRIDGE NO. |
| TRACE- | SURVEY |
| CHECK- <i>Abb</i> | PLOT |

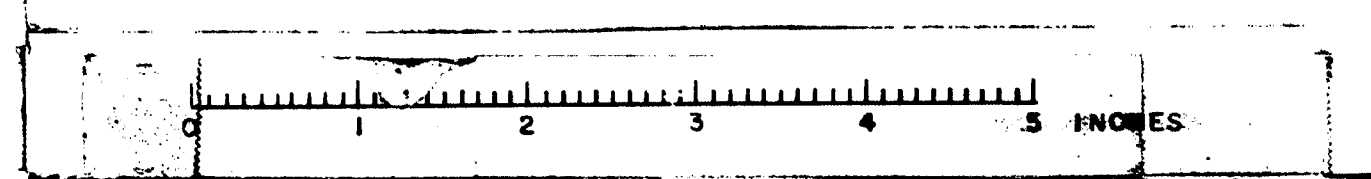
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

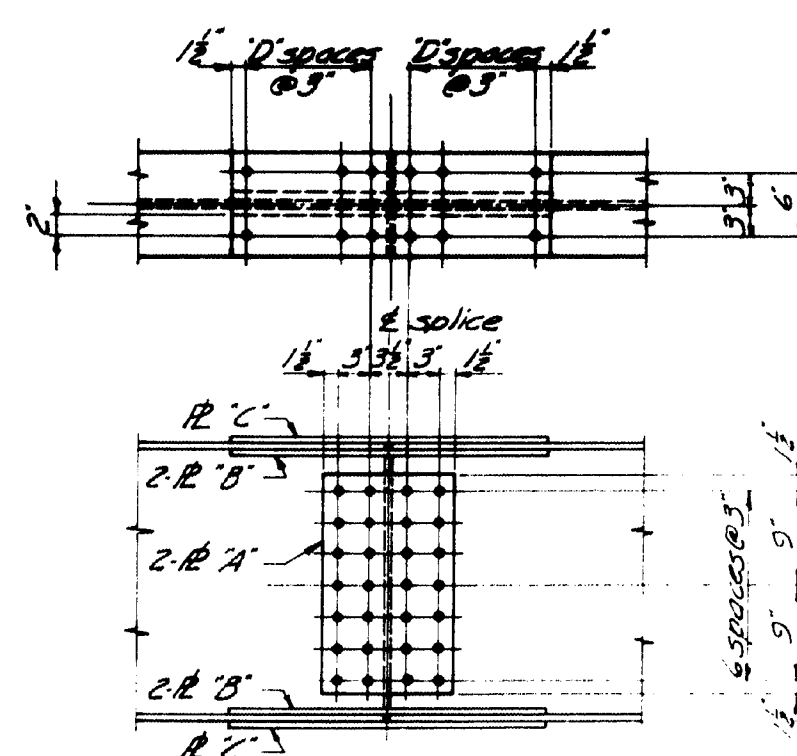
LINCOLN SPUR
OVER
INTERSTATE 95
IN
T2 R8
PENOBSCOT COUNTY
REINFORCING STEEL SCHEDULE

SHEET *12* OF *12* AUGUSTA, MAINE JAN. 1965

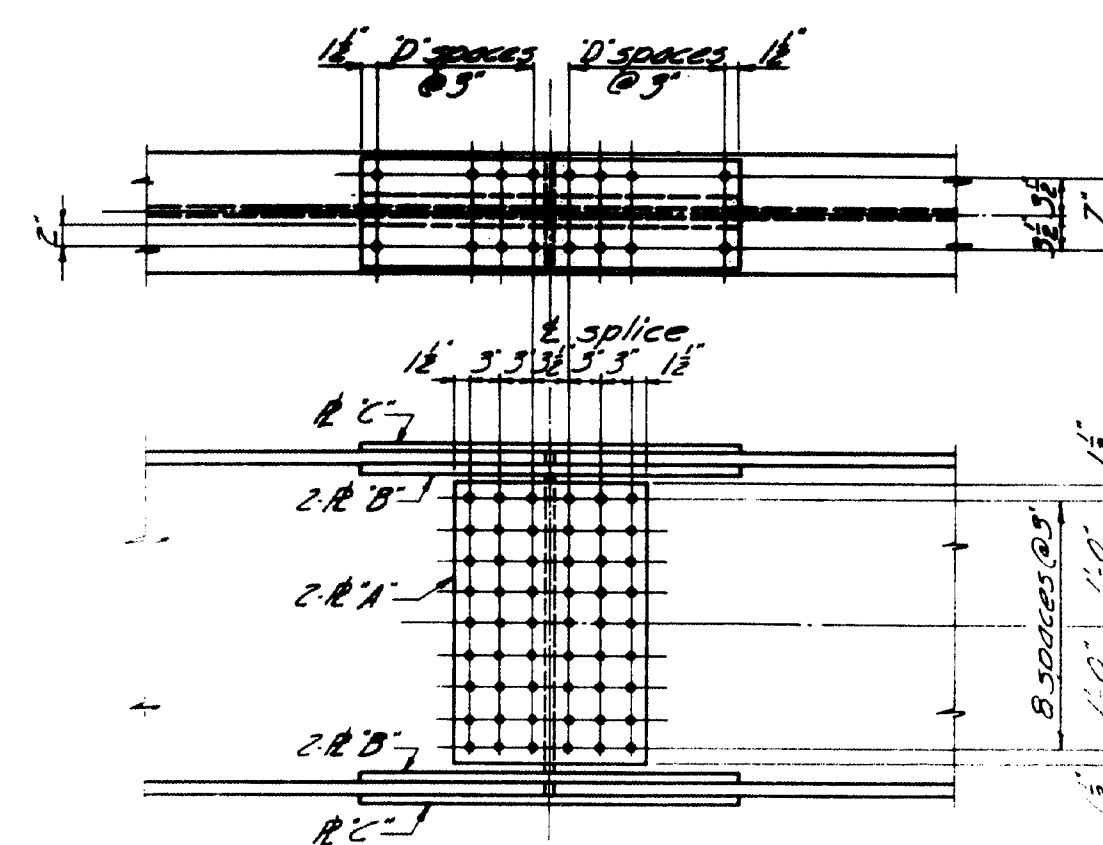
95-174



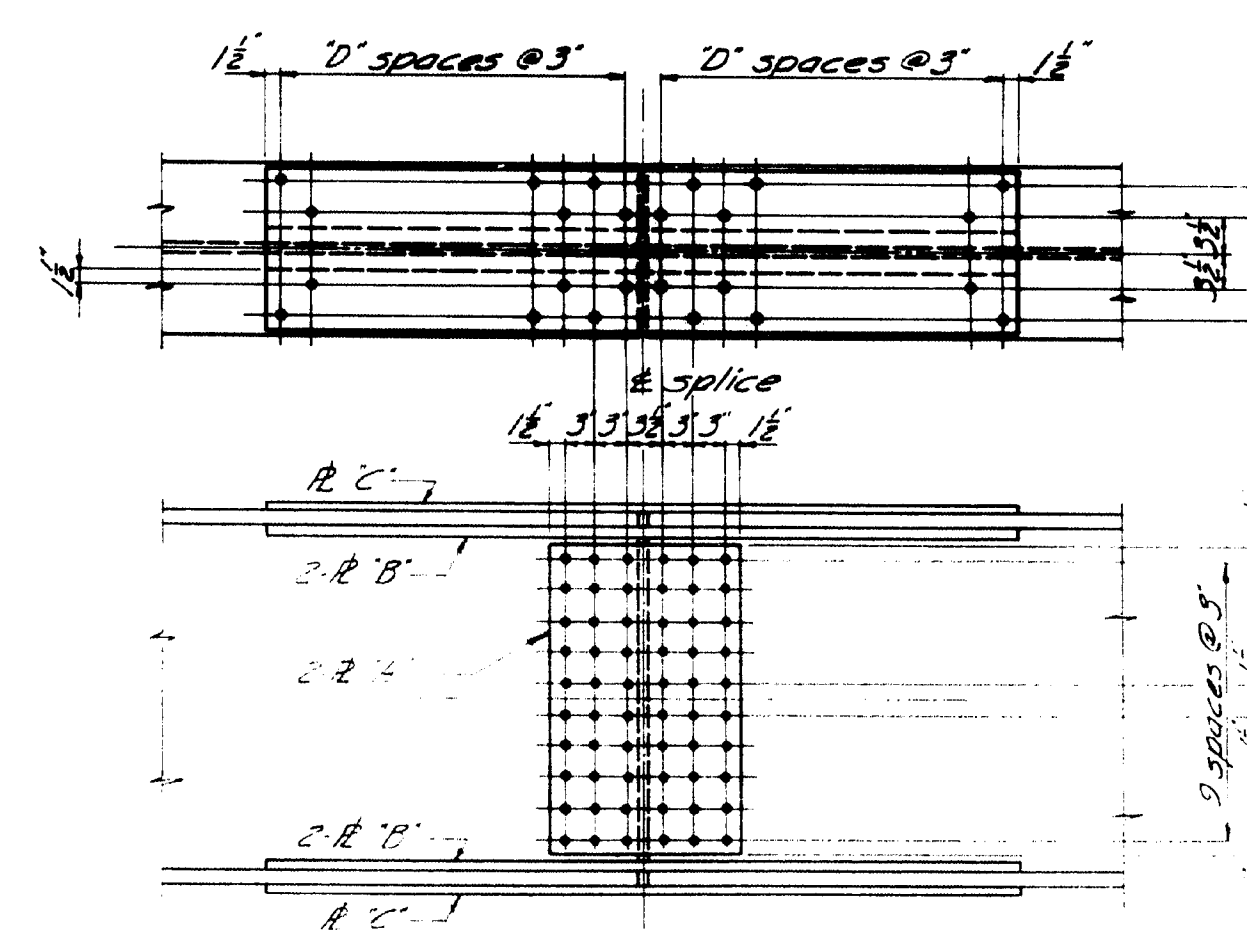




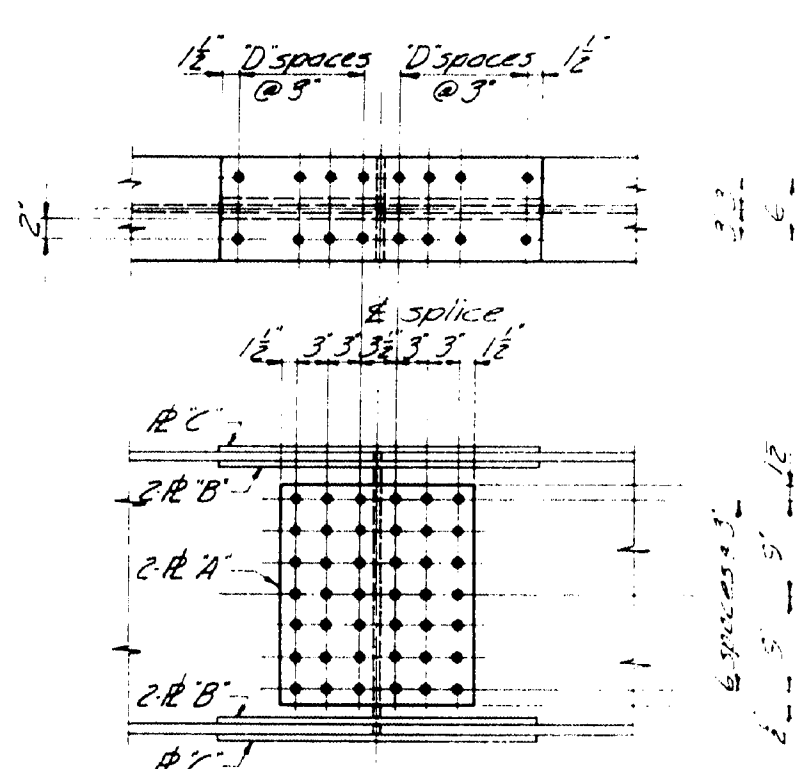
27 WF 84



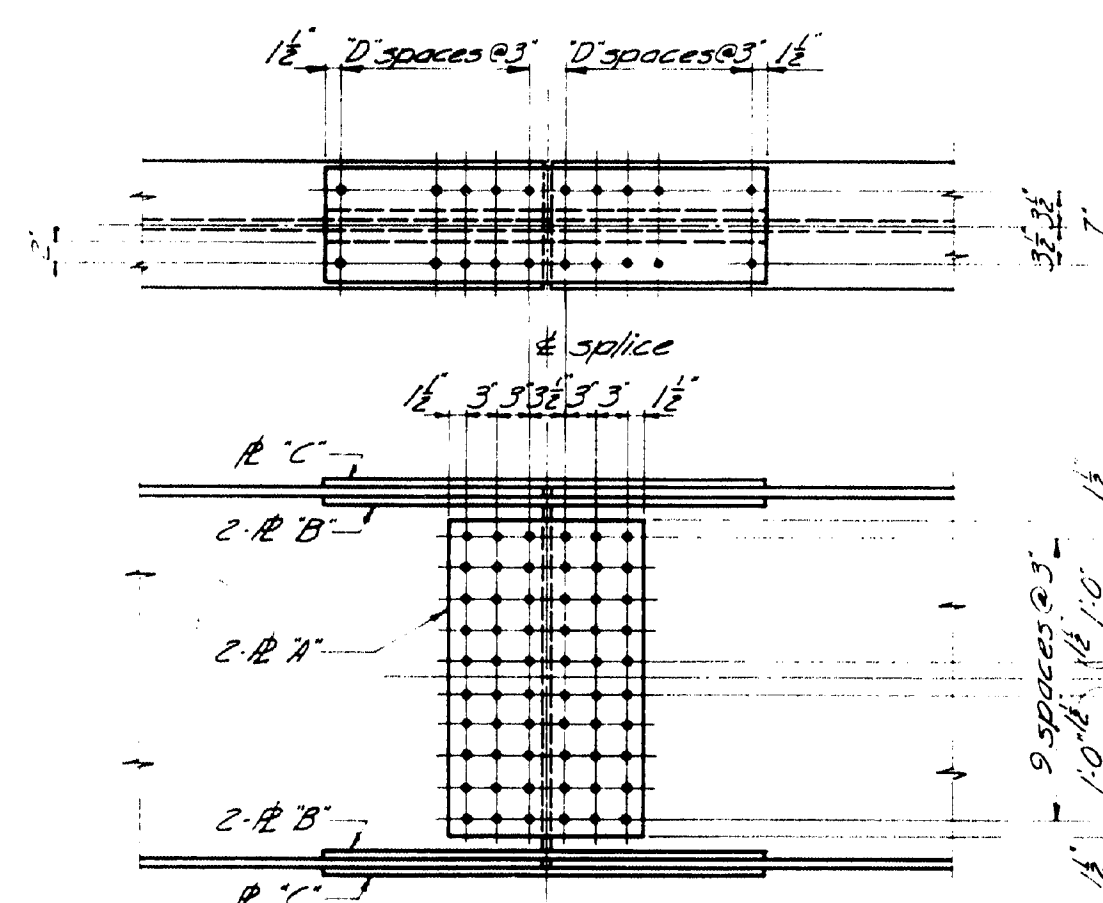
33 WF 118, 130, 141, 152



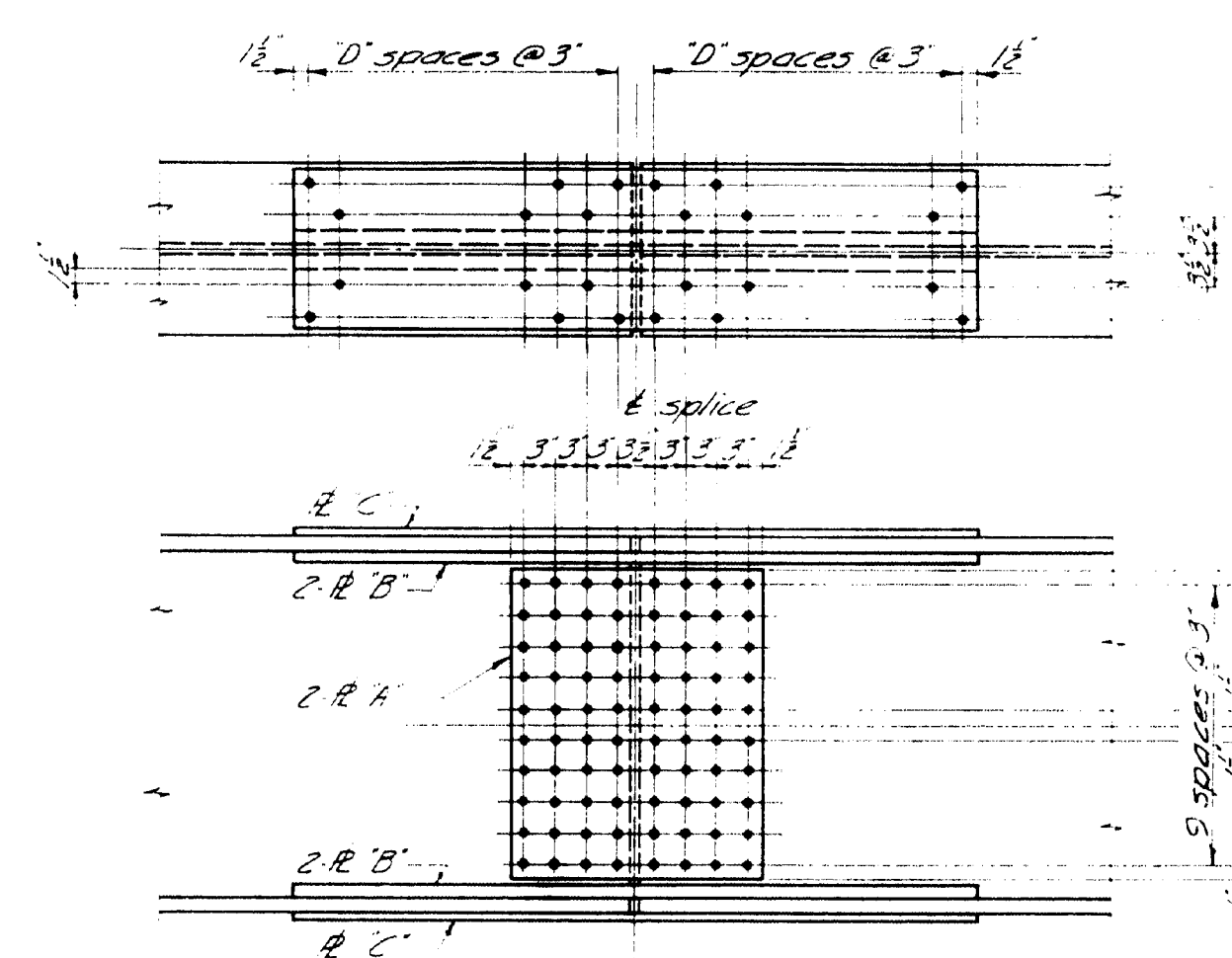
36 WF 245, 280



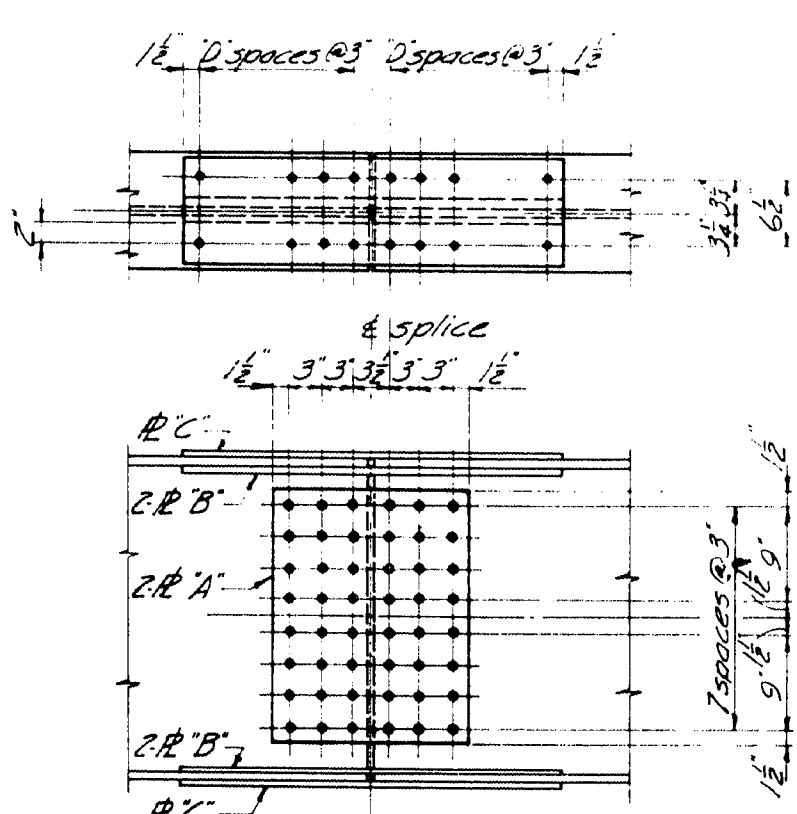
27 WF 94, 102, 114



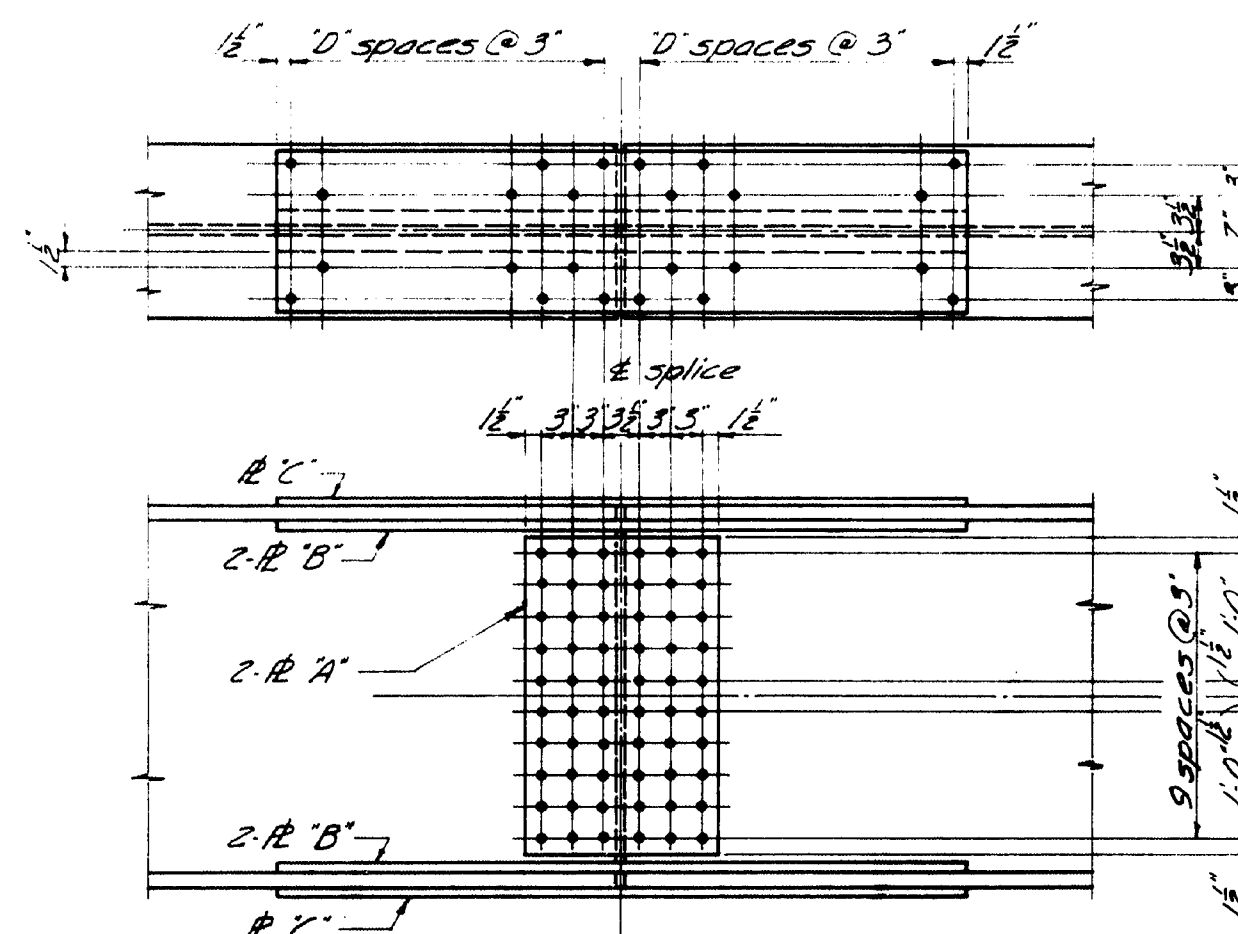
36 WF 135, 150, 160, 170, 182, 194



36 WF 300



30 WF 99, 108, 116, 124, 132



36 WF 230, 260

SPLICE DESIGN, PLATES AND FLANGE HOLES

| BEAM | BEND. M. | SHEAR | PLATE "A" | PLATE "B" | PLATE "C" | "D" |
|-----------|----------|-------|--------------|-----------|-----------|-----|
| 27 WF 84 | 3070" | 111" | 12 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 3 |
| 27 WF 94 | 3520" | 119" | 13 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 3 |
| 27 WF 102 | 3562" | 126" | 13 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 4 |
| 27 WF 114 | 4341" | 140" | 15 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 4 |
| 30 WF 99 | 3921" | 139" | 13 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 3 |
| 30 WF 108 | 4360" | 147" | 15 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 4 |
| 30 WF 116 | 4780" | 152" | 15 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 4 |
| 30 WF 124 | 5170" | 159" | 15 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 4 |
| 30 WF 132 | 5536" | 168" | 15 1/2 x 1/2 | 4 x 1/2 | 10 x 1/2 | 5 |
| 33 WF 118 | 5087" | 162" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 4 |
| 33 WF 130 | 5970" | 171" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 5 |
| 33 WF 141 | 6604" | 181" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 5 |
| 33 WF 152 | 7232" | 191" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 6 |
| 36 WF 135 | 6473" | 180" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 4 |
| 36 WF 150 | 7436" | 200" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 5 |
| 36 WF 160 | 8005" | 212" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 6 |
| 36 WF 170 | 8574" | 224" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 6 |
| 36 WF 182 | 9264" | 239" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 7 |
| 36 WF 194 | 9932" | 253" | 15 1/2 x 1/2 | 4 x 1/2 | 11 x 1/2 | 8 |
| 36 WF 230 | 12574" | 347" | 15 1/2 x 1/2 | 4 x 1/2 | 16 x 1/2 | 10 |
| 36 WF 245 | 14432" | 380" | 15 1/2 x 1/2 | 4 x 1/2 | 16 x 1/2 | 11 |
| 36 WF 260 | 15332" | 397" | 15 1/2 x 1/2 | 4 x 1/2 | 16 x 1/2 | 12 |
| 36 WF 280 | 15532" | 401" | 15 1/2 x 1/2 | 4 x 1/2 | 16 x 1/2 | 13 |
| 36 WF 300 | 15670" | 407" | 15 1/2 x 1/2 | 4 x 1/2 | 16 x 1/2 | 14 |

GENERAL NOTES

1. Splice connections to be made with 3/4" high tensile strength bolts. Holes to be 1/8" 1/4".
2. The design bending moment is 90% of the net resisting moment of the beam with an allowable stress of 20,000 psi. The design shear is 15% of the shear strength of the gross section of the web with an allowable stress of 12,000 psi.
3. If beams of different sizes are to be spliced, use splice details shown for the smaller of the beams being spliced unless otherwise directed by design details. Use design details for filler thickness. Place fillers to limits of splice plates only, with no extensions.
4. See design details for slopes of beams in order to correctly fabricate bevels at the splices.

A.S.T.M. STEEL CLASSIFICATION

High Tensile Strength Bolts A 325
Splice Plates A 36

DESIGN SPECIFICATIONS

AASHTO Standard Specifications for Highway Bridges, 1961 with Interim Specifications, 1961 & 1962

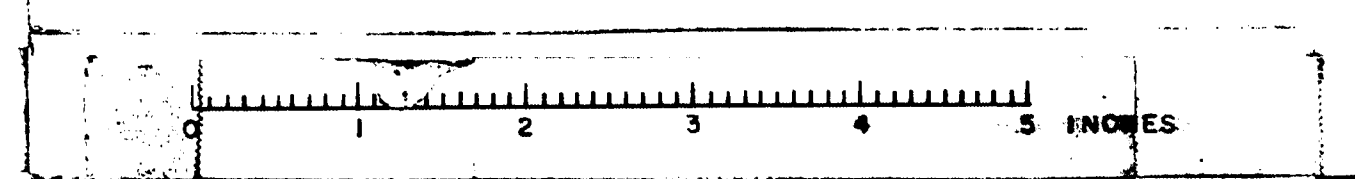
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

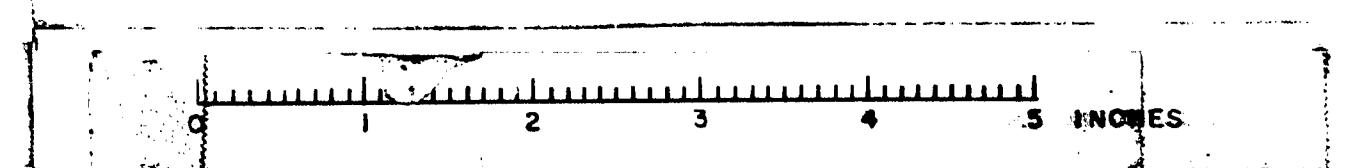
STANDARD DETAILS
(BD 103-64)

BEAM SPLICES

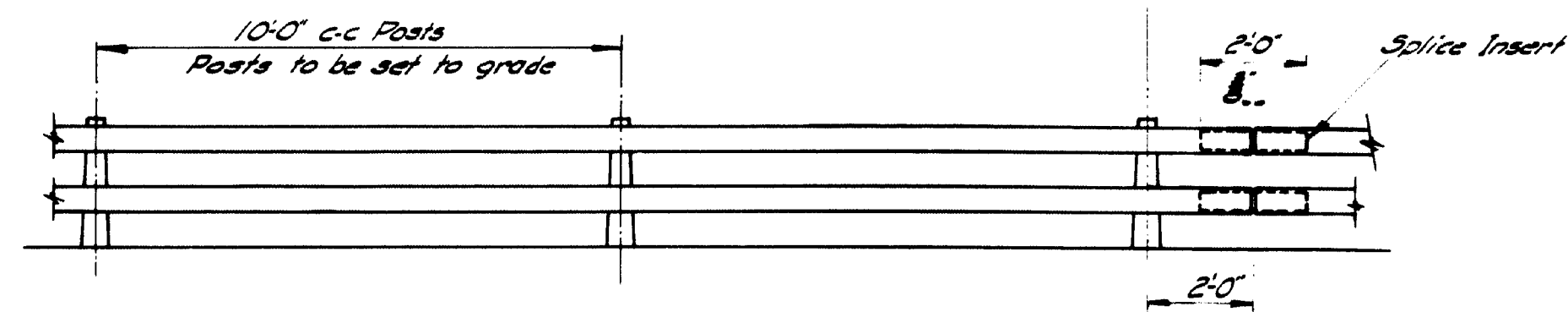
JANUARY 1964

95-176



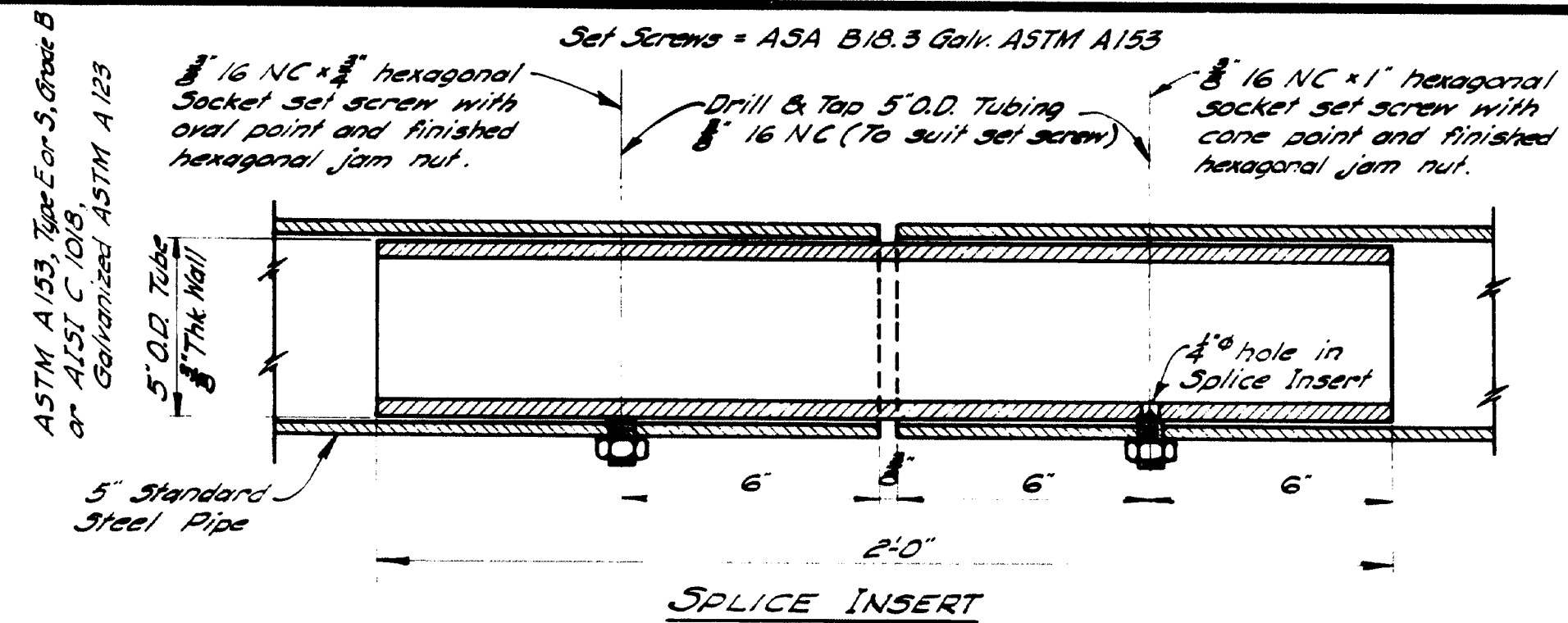


| B. P. R. | STATE | PROJECT NUMBER | SHEET | TOTAL |
|----------|-------|----------------|-------|--------|
| REG. NO. | NAME | | NO. | SHEETS |
| 1 | | | | |

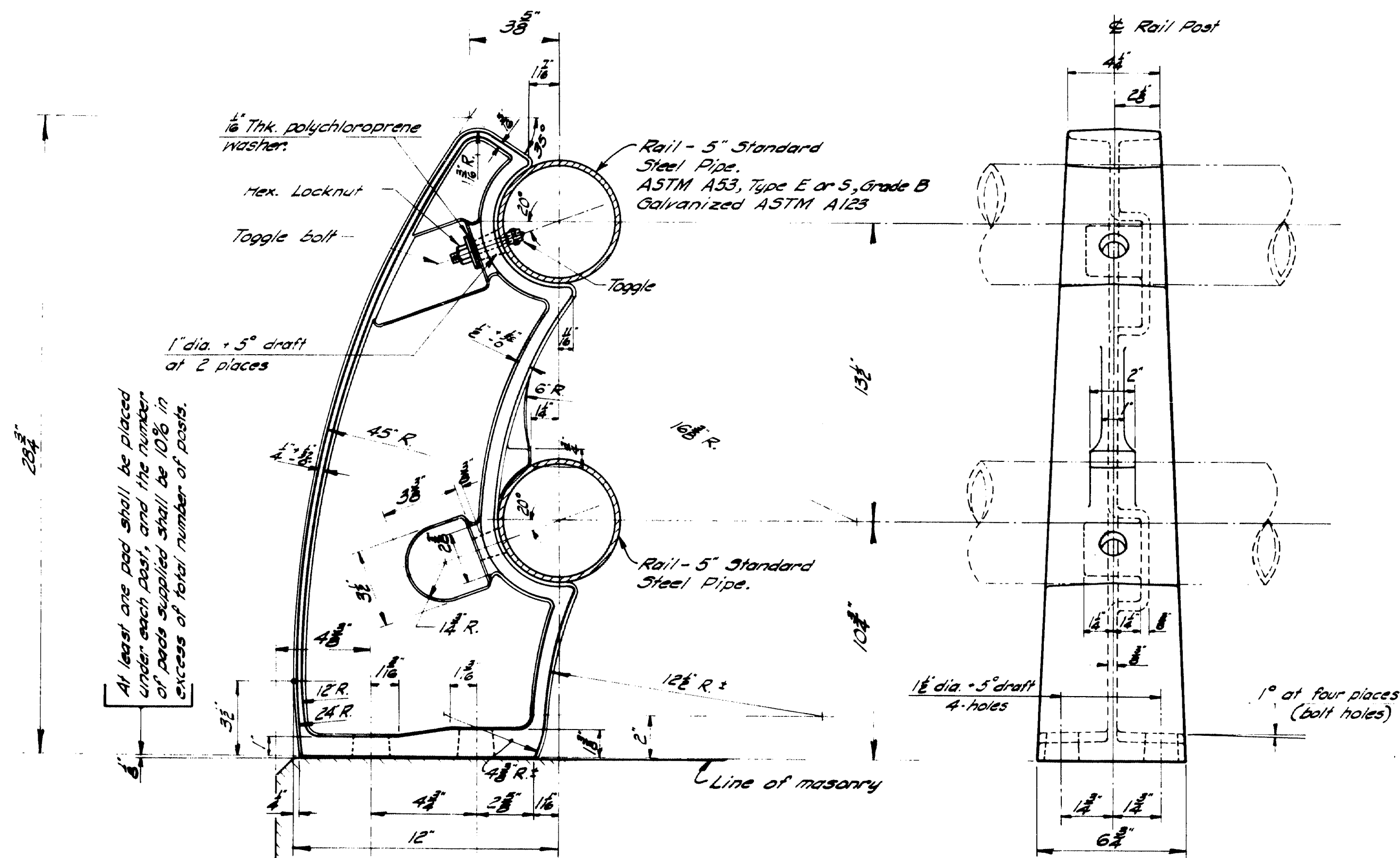


RAIL ELEVATION

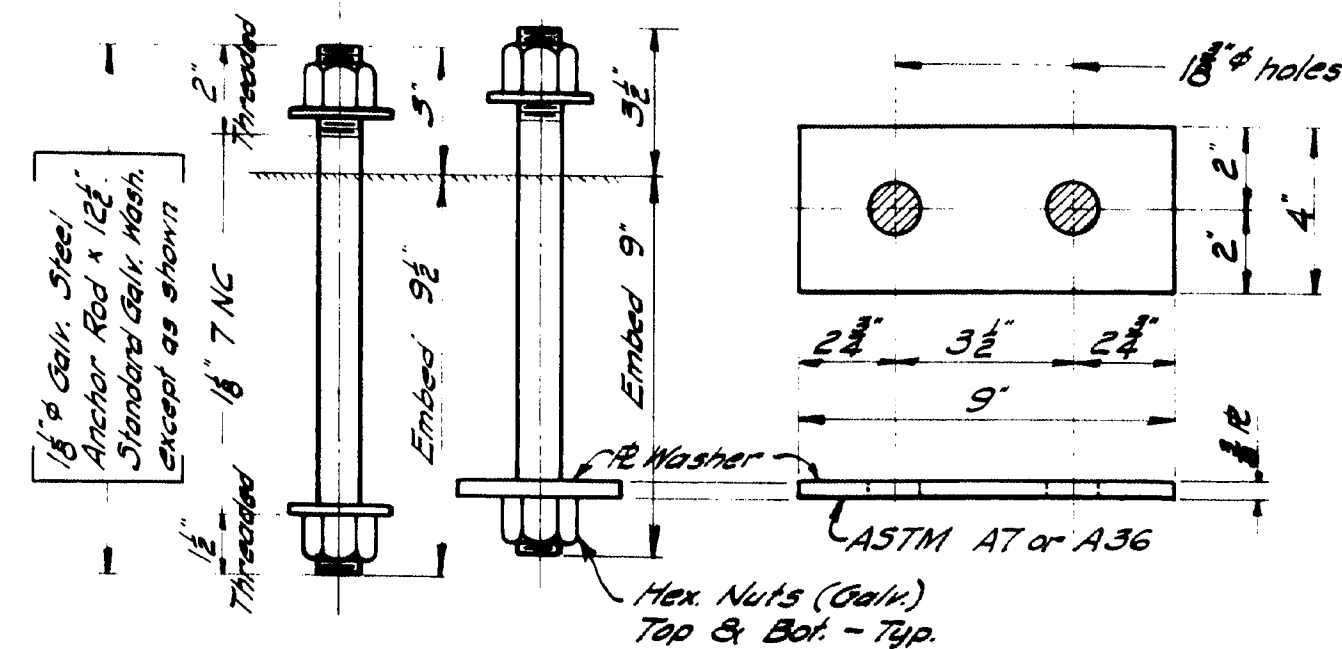
Lengths of rail shall be attached to a minimum of (4) four rail posts, wherever possible, and in any case never less than (2) two.



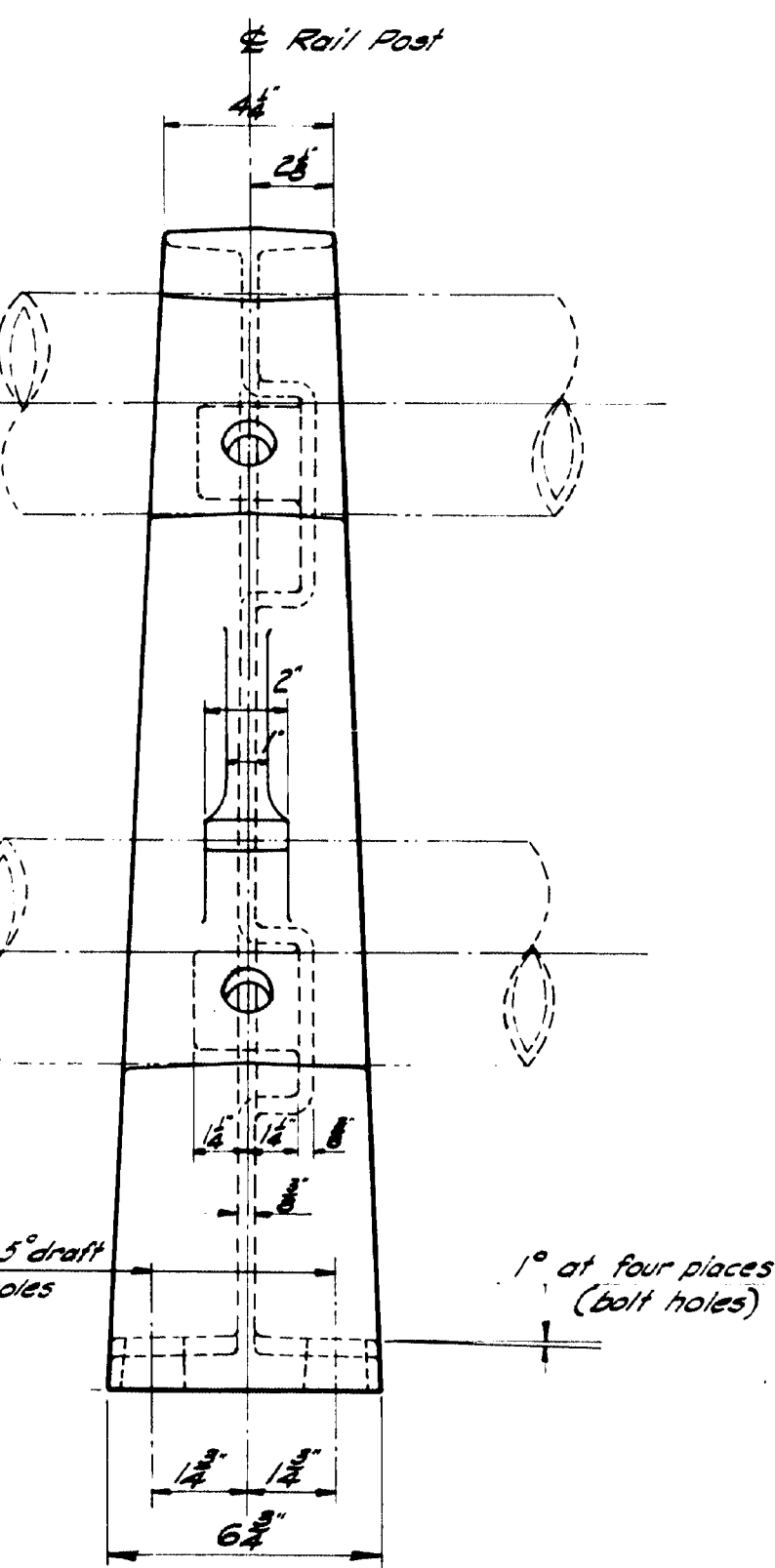
SPICE INSERT



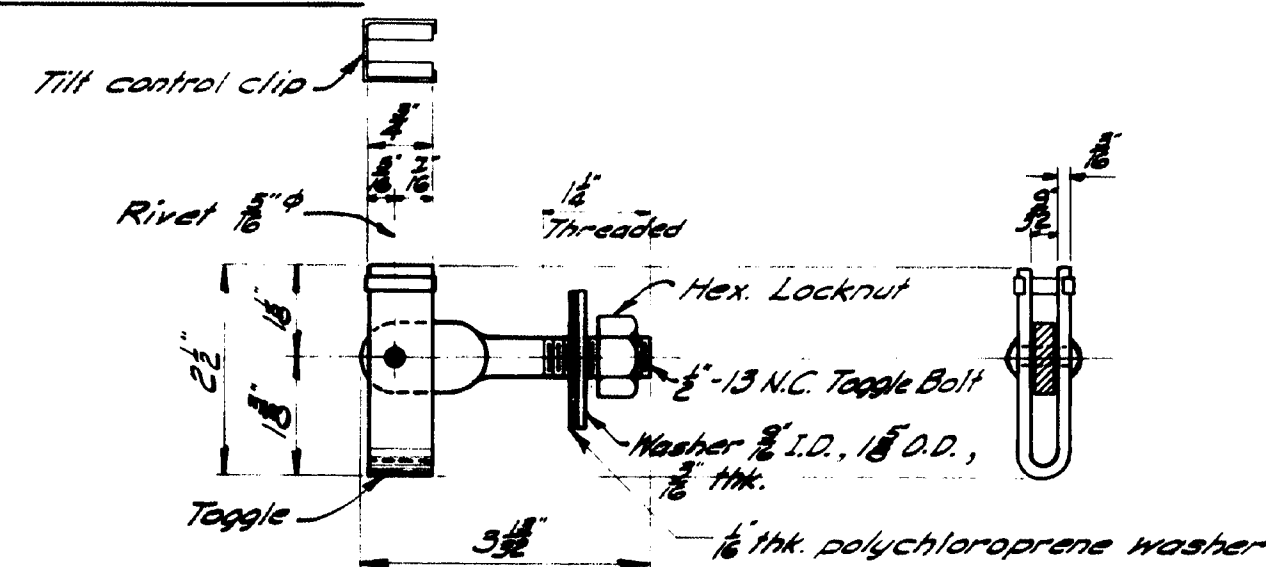
RAIL POST
ASTM A27, Grade 65-35, Galvanized ASTM A153



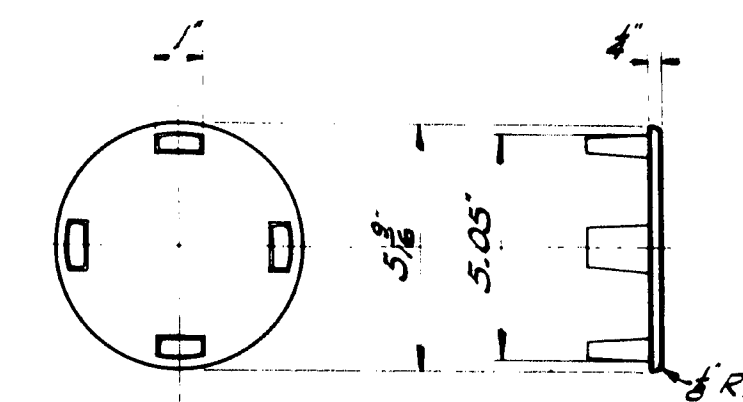
RAIL POST ANCHORAGE
Bolts, Nuts, & Std. Washers = ASTM A325 Galvanized ASTM A153



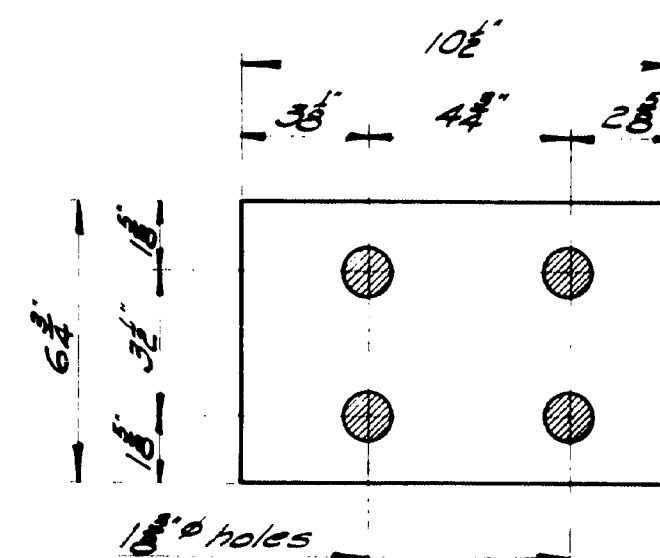
FRONT ELEVATION



TOGGLE BOLT DETAIL
Cadmium Plate metal parts ASTM A165-55, Type NS, .0005" thick



RAIL CAP
ASTM A27, Grade 65-35, Galv. ASTM A153



PAD
At each rail post
See Article 702-80 Supplemental Specifications of Feb. 1960.

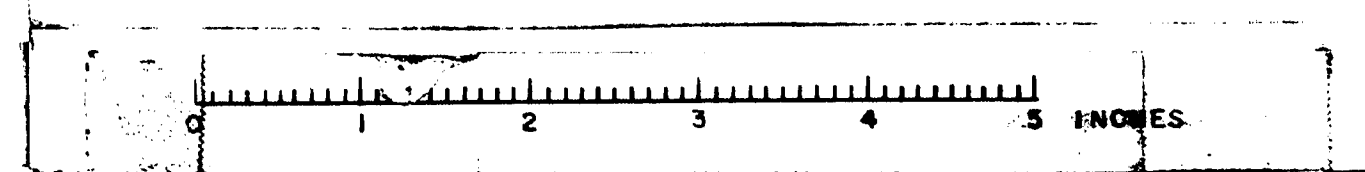
DESIGN SPECIFICATIONS
A.A.S.H.O. Interim Specifications Int. 1 (64)

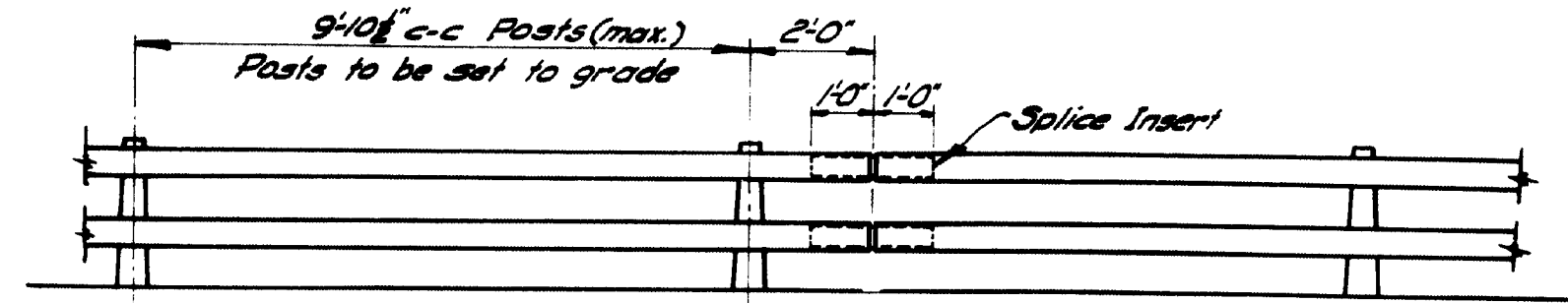
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS
(BD 107 - 64)
STEEL RAIL
(2-BAR PIPE RAIL)
CAST POST

OCT. 1964

95-179



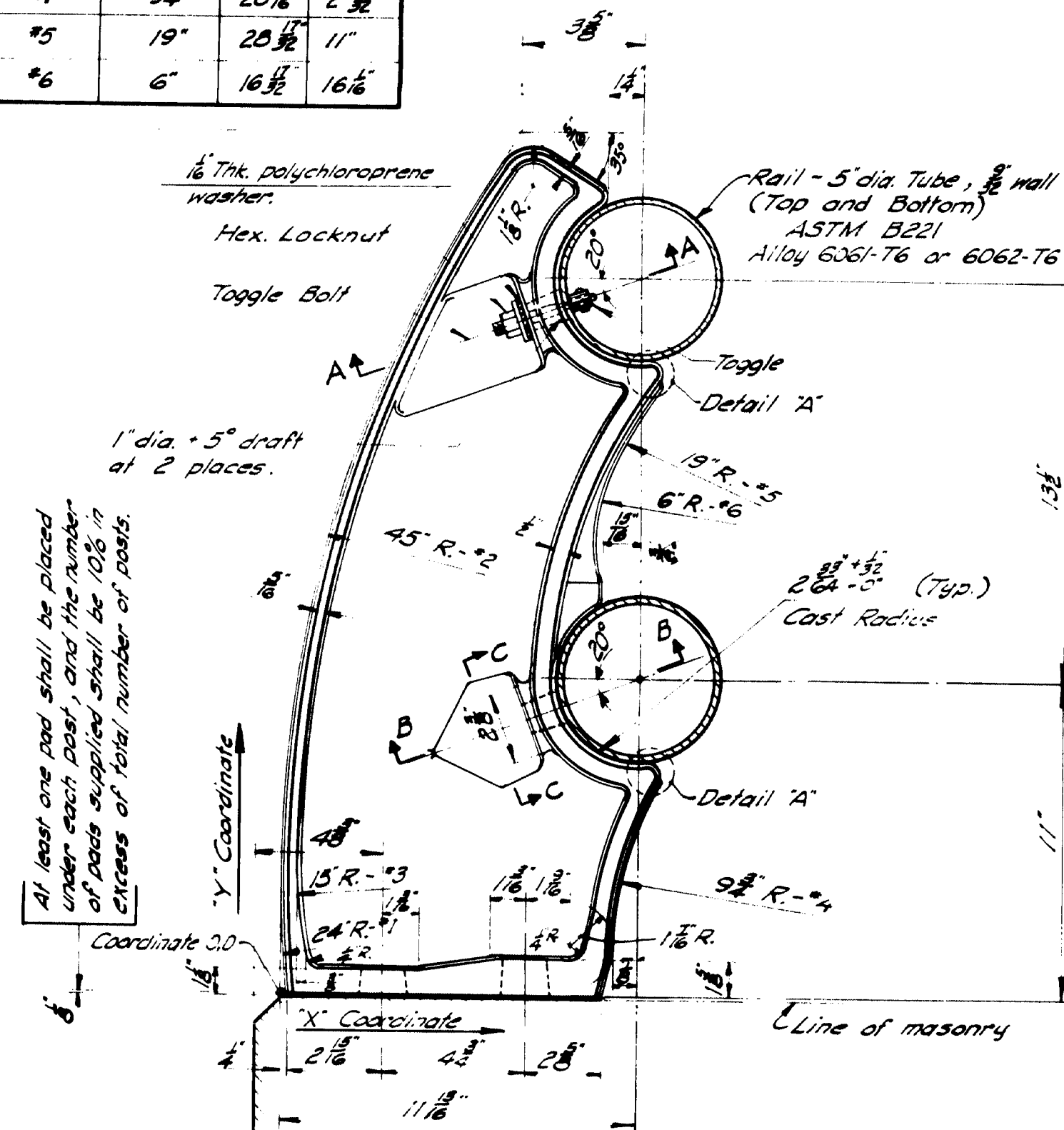


RAIL ELEVATION

ORIGIN LOCATION-PRINCIPAL CURVES

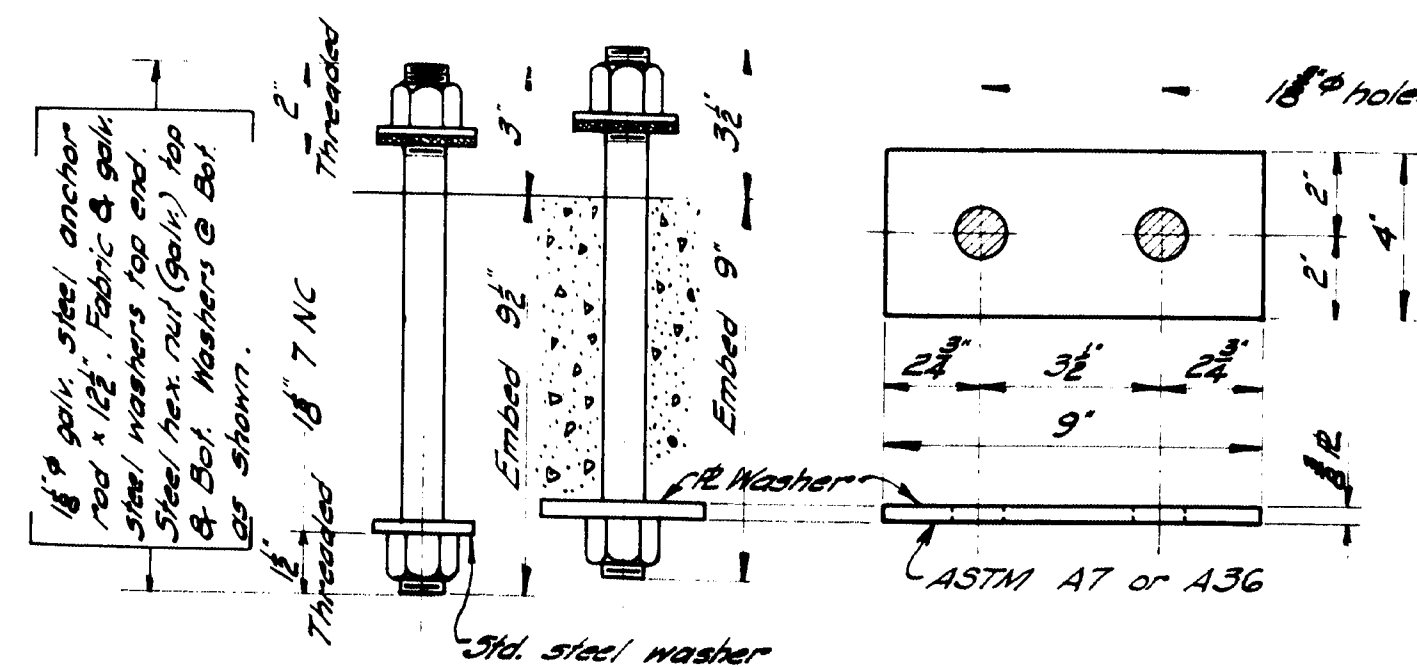
| Curve | Radius | "X" | "Y" |
|-------|--------|---------|---------|
| #1 | 24" | 24" | 3 3/8" |
| #2 | 45" | 45" | 2 3/8" |
| #3 | 15" | 15 1/8" | 4 3/8" |
| #4 | 9" | 20 1/8" | 2 3/8" |
| #5 | 19" | 20 3/8" | 11" |
| #6 | 6" | 16 1/8" | 16 1/8" |

Lengths of rail shall be attached to a minimum of (4) four rail posts, wherever possible, and in any case never less than (2) two.



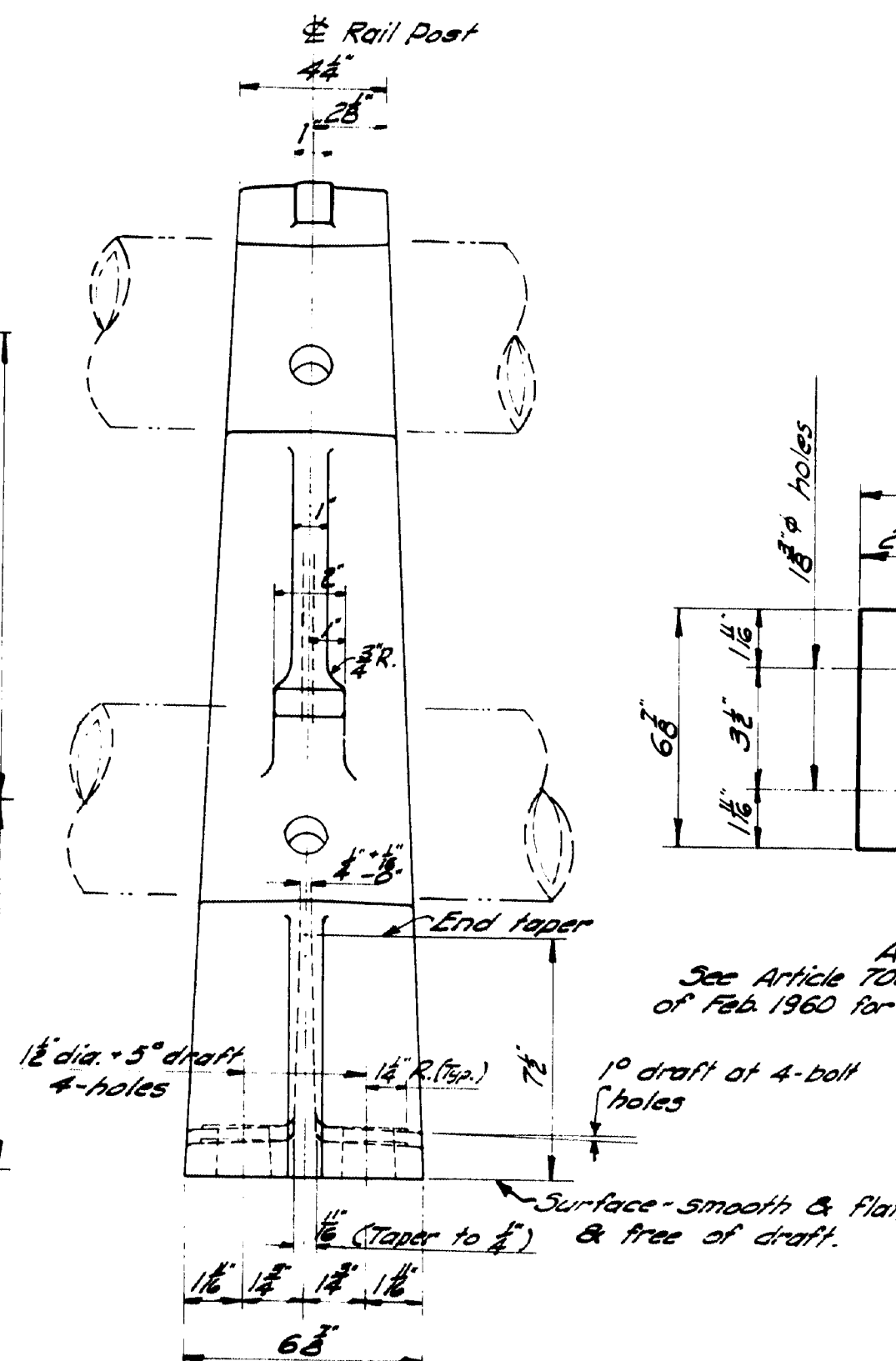
RAIL POST

Aluminum Association Alloy A344-T4

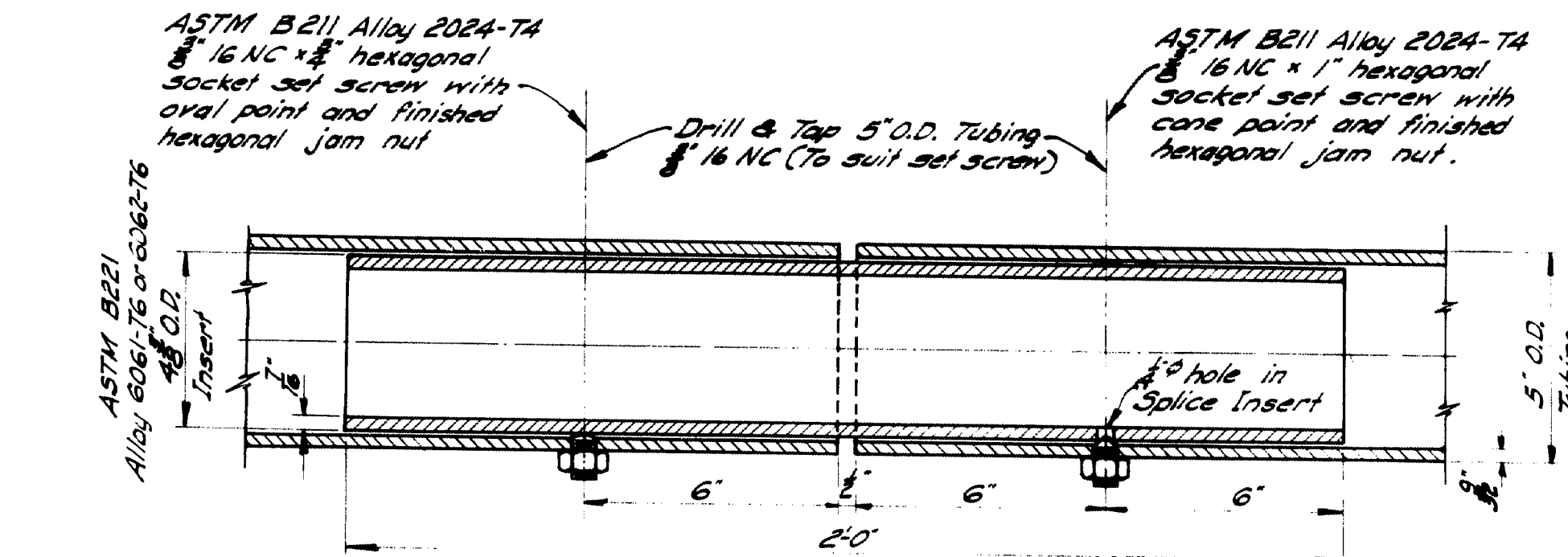


RAIL POST ANCHORAGE

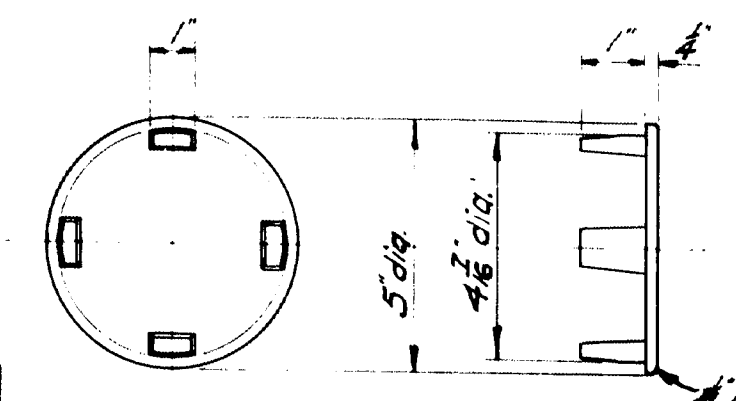
Bolts, Nuts & Std. Washers = ASTM A325 Galvanized ASTM A153



FRONT ELEVATION

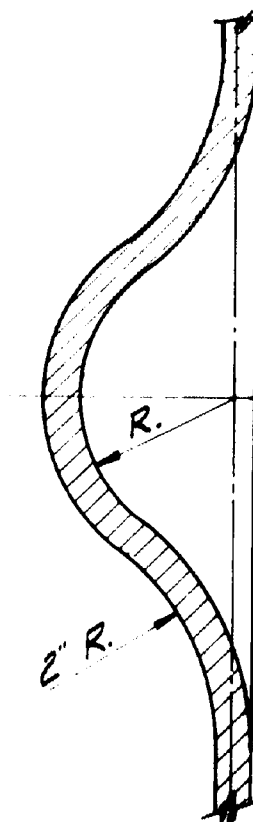


SPLICE



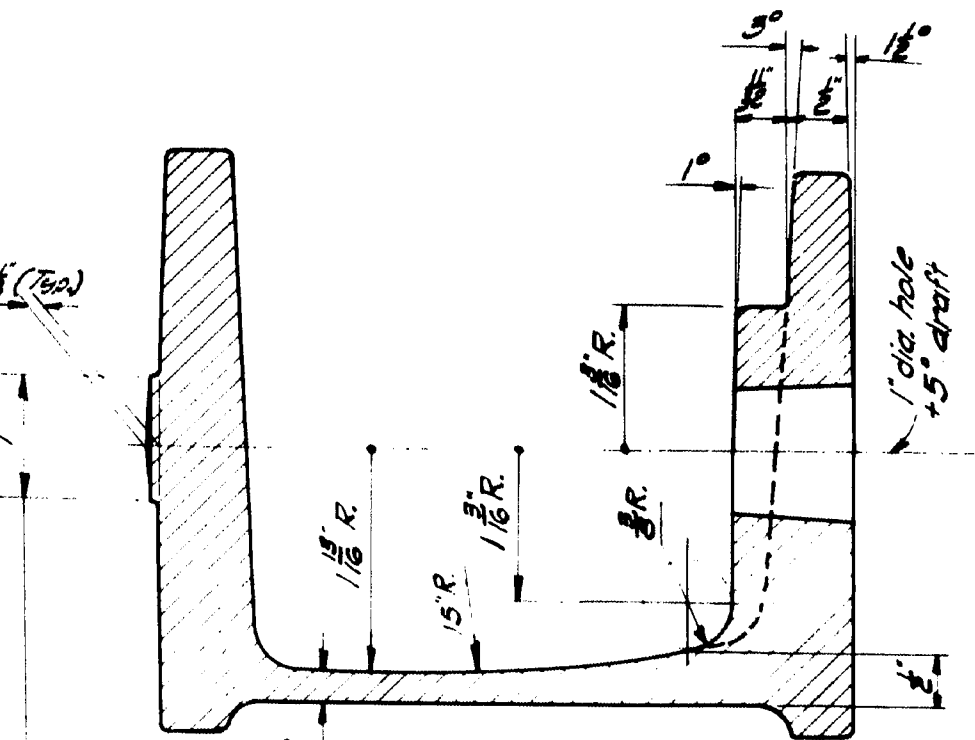
RAIL CAP

ASTM B26 Alloy 5670 A or 55 A

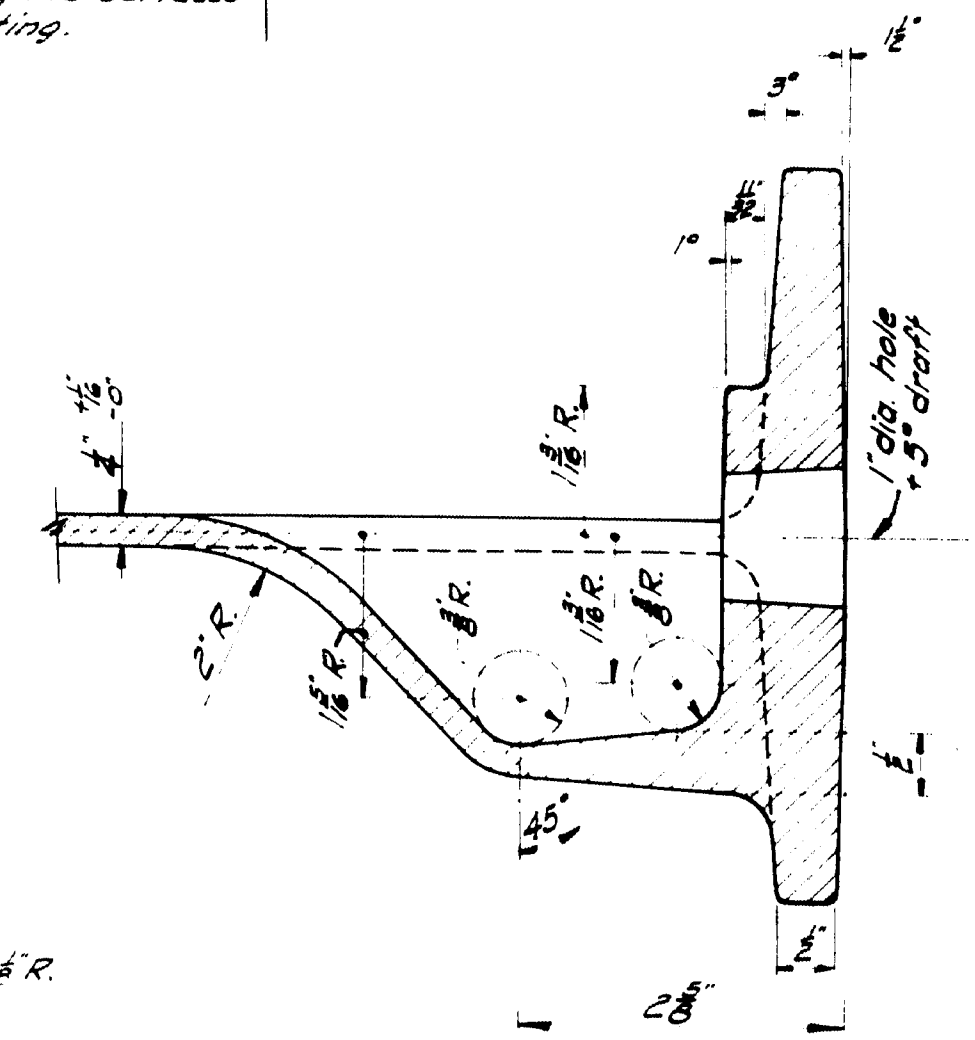


SECTION C-C

Casting to be supplied with a 60 grid belt grind finish on all gating rib surfaces around entire casting.



SECTION A-A



SECTION B-B

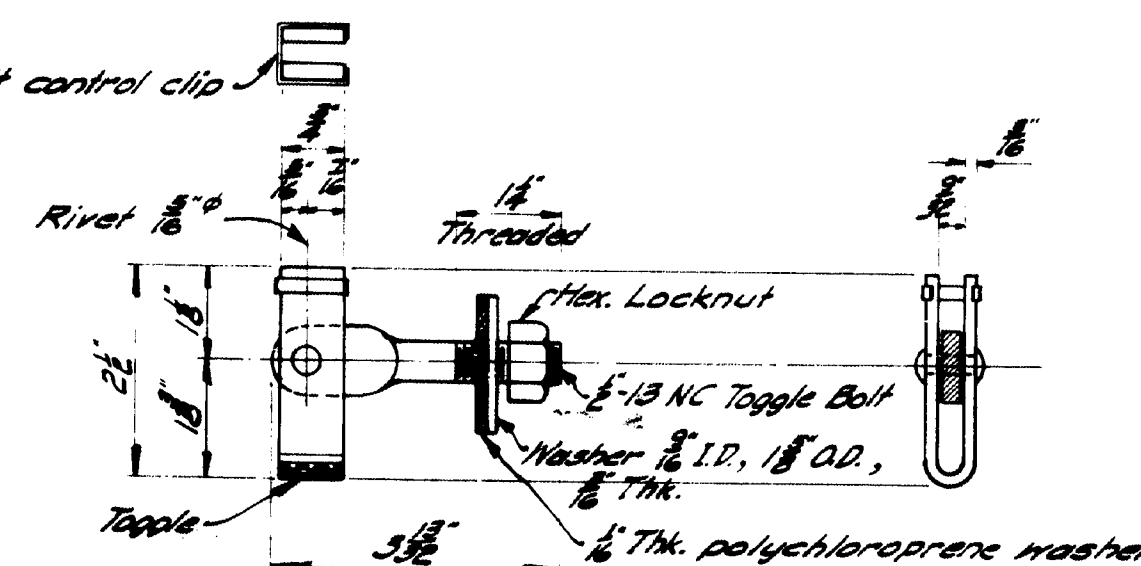
DESIGN SPECIFICATIONS

A.A. 3.H.O. Interim Specifications Int. I (64).

A344-T4 Alloy to meet the Specification outlined by Aluminum Association.

ALTERATION:

Δ - Added Detail 'A' and Origin Location-Principal Curves. Nov. 19, 1964.



TOGGLE BOLT DETAIL

Cadmium Plate metal parts ASTM A163-55, Type N3, .0005" thick

Toggle = ASTM A303, 1015 H.R. Steel.
Rivet = ASTM A195, 1038 C.R. Steel, Heat Treated
Toggle Bolt = ASTM A354, 1335 C.R. Steel, Heat Treated RC 32-38.
Washer = ASTM A7, 1020 H.R. Steel.
Hex. Locknut = Finished Hexagon Locknut Prevailing Torque Type Steel Grade C or D, Industrial Fasteners Institute.

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS
(BD 108-64)
ALUMINUM RAIL
2-BAR (TUBE RAIL)
CAST POST

OCT. 1964

95-180

