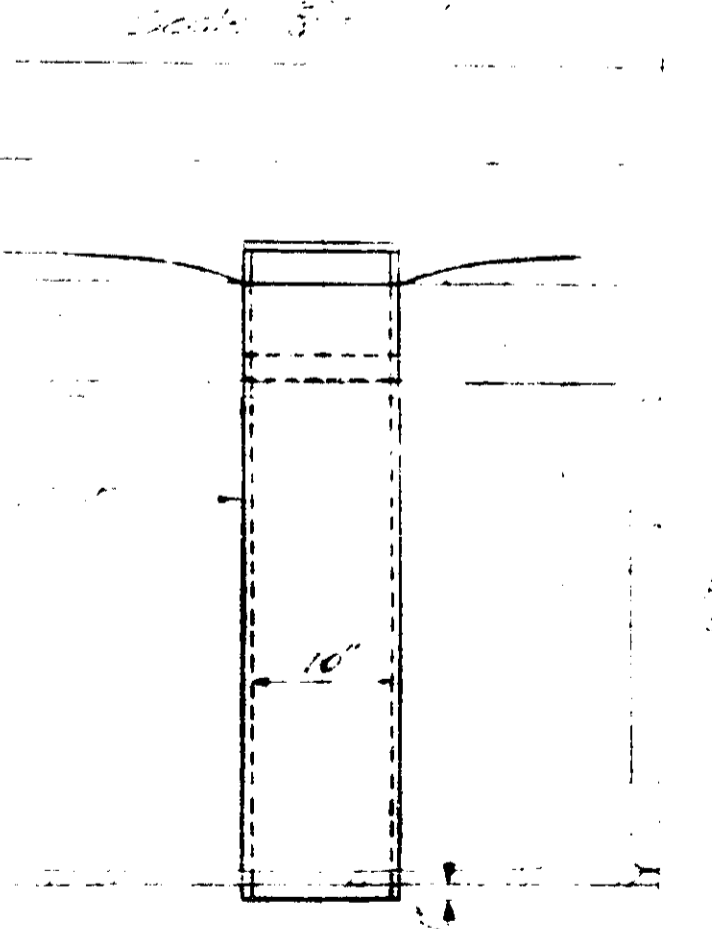
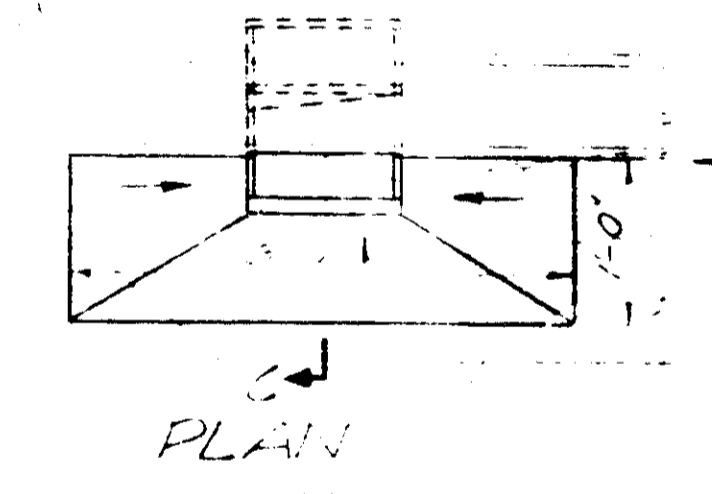


**GENERAL NOTES**

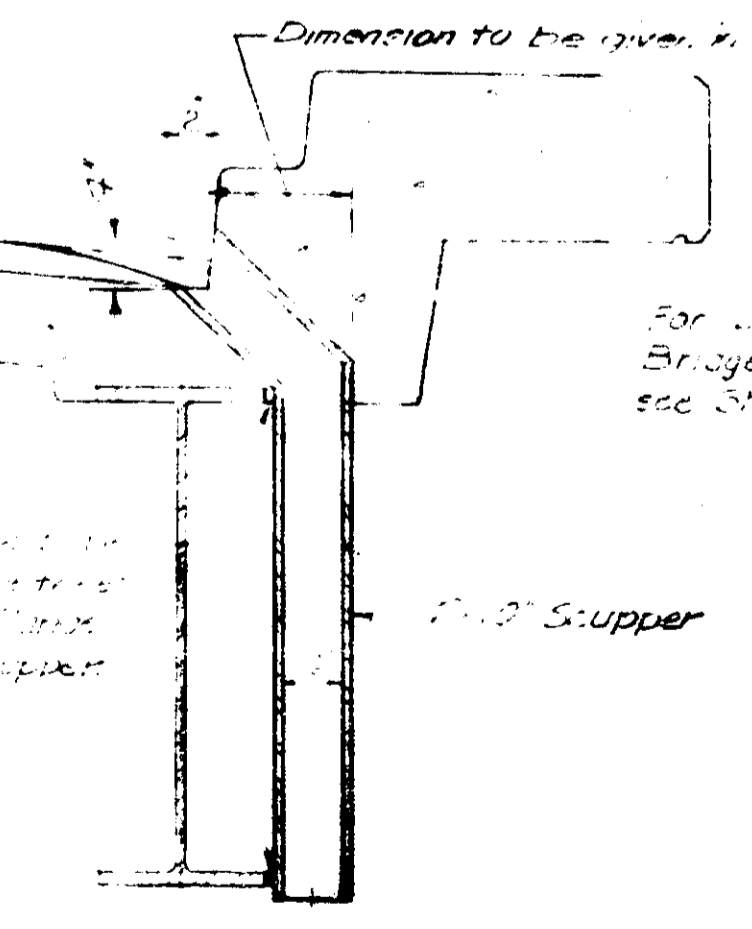
- Design specifications: A.A.S.H.O. 1949
- Design specifications: A.A.S.H.O. H-20-516-44
- Vertical curve referred to Mean Sea Level - Elev. 100.00
- Concrete shall be as follows:
  - 1. Deck, concrete piles - Class AA
  - 2. Retaining walls, retaining walls and abutments - Class XX
  - 3. Concrete decks - Class A
- Reinforcement to lap 30 diameters at splices unless otherwise noted.
- Reinforcement to have the following clear cover from face of concrete unless otherwise noted:
  - 1. Slabs - 1"
  - 2. Columns - 1 1/2"
  - 3. Beams - 1 1/2"
  - 4. Retaining walls - 1 1/2"
  - 5. Footings - 1 1/2"
  - 6. Edges of concrete - 1 1/2"
- Steel reinforcement for preparation of concrete surface under existing slabs.
- Reinforcement to be structural carbon steel except as noted.
- Concrete cover of concrete shall be unchanneled 3/8" unless otherwise shown.
- All piles shall be cast-in-place concrete piles. For pile reinforcement see Sheet No. 55.

**GENERAL NOTES (cont.)**

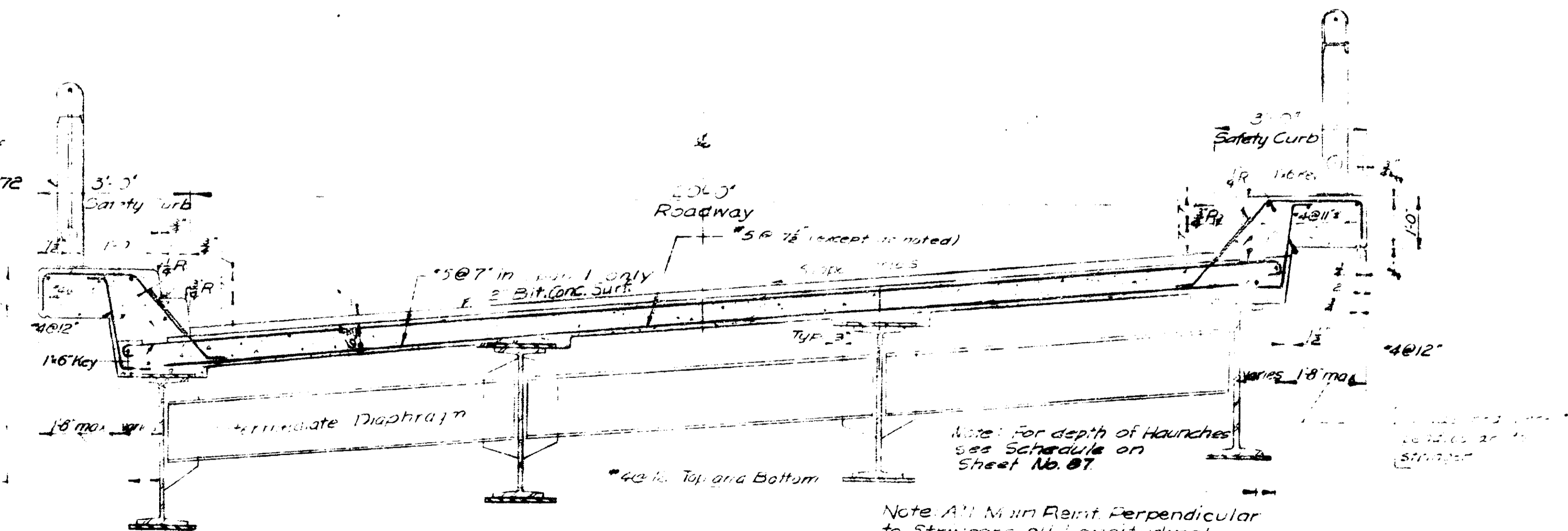
- Any necessary unwatering of foundation pits, except for cofferdam items as called for, shall be performed by the contractor as work incidental to structural earth excavation, items 5 or 7 B.
- The concrete roadway slab shall be finished so that no part of it flows more than 3/8" under a 10' straight edge longitudinally or transversely.
- A tack coat, applied at the rate of one gallon per ten square yards, shall be applied to all concrete roadway slabs before laying bituminous concrete surfacing.



**SECTION B-B**  
Scale: 1/4"



**SECTION C-C**  
Scale: 1/4"

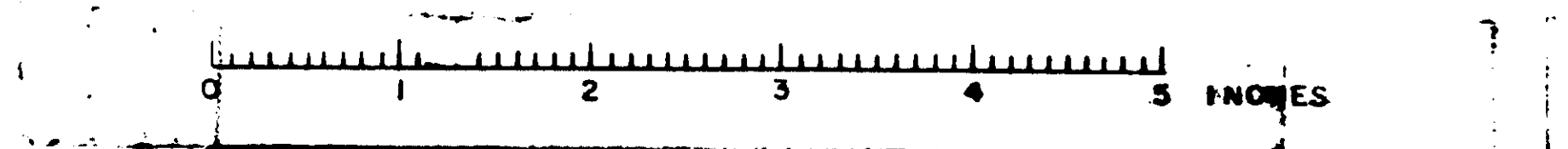


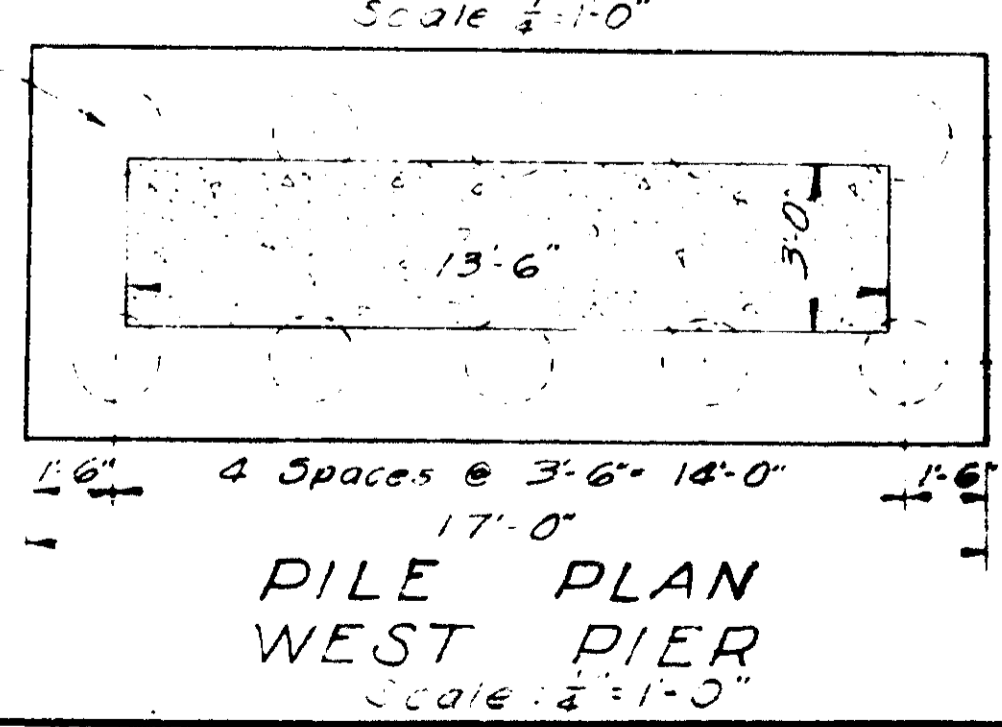
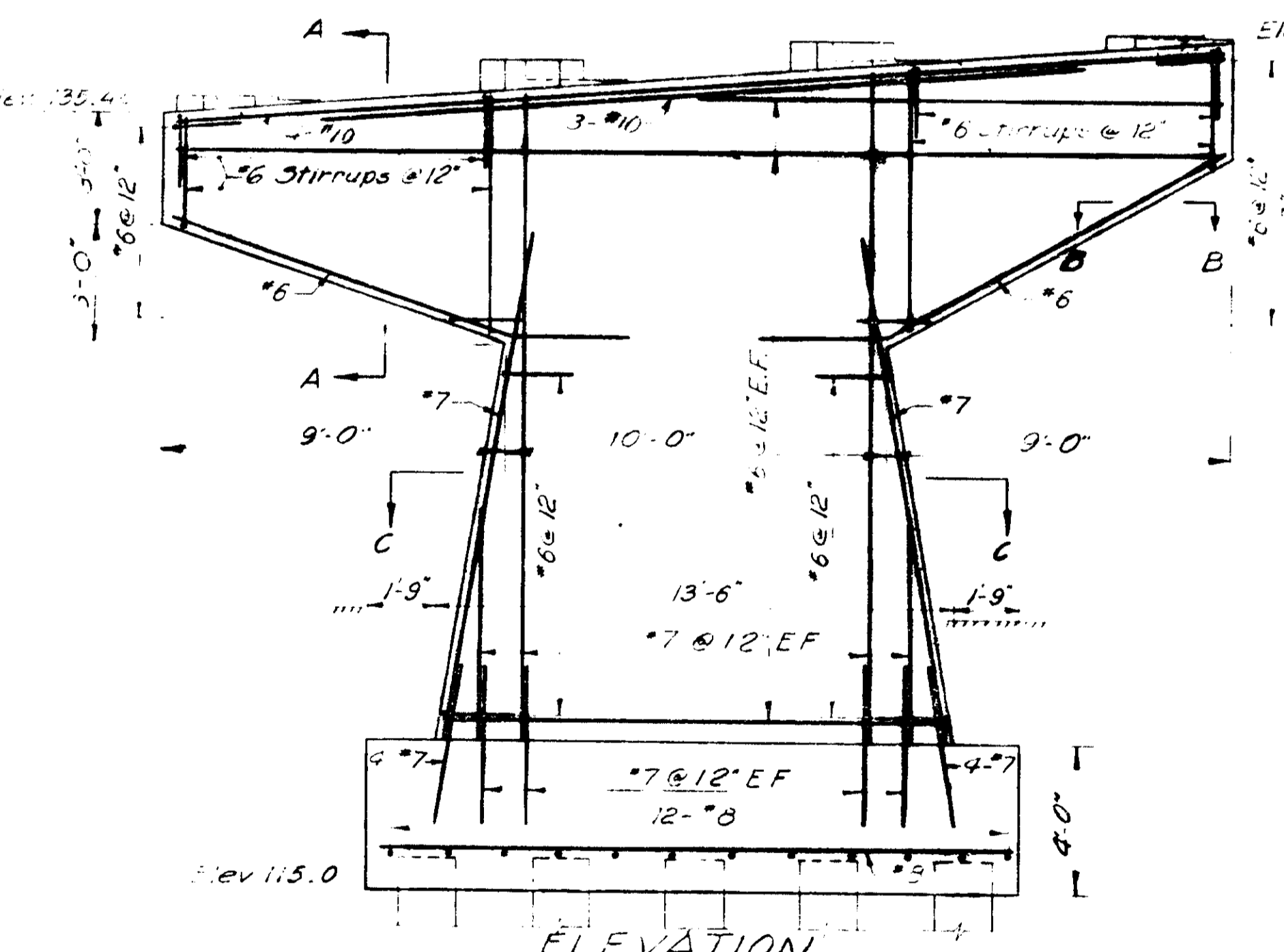
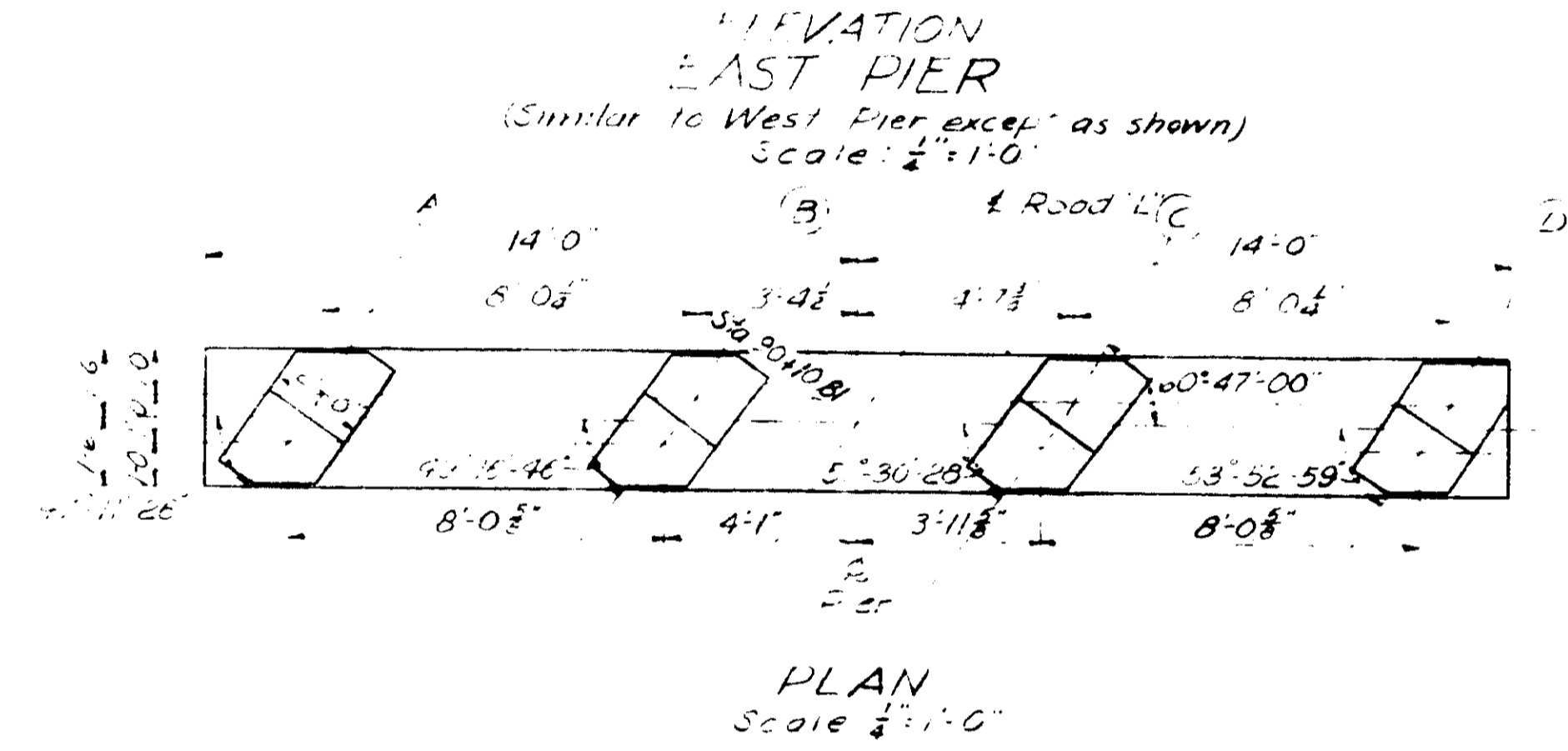
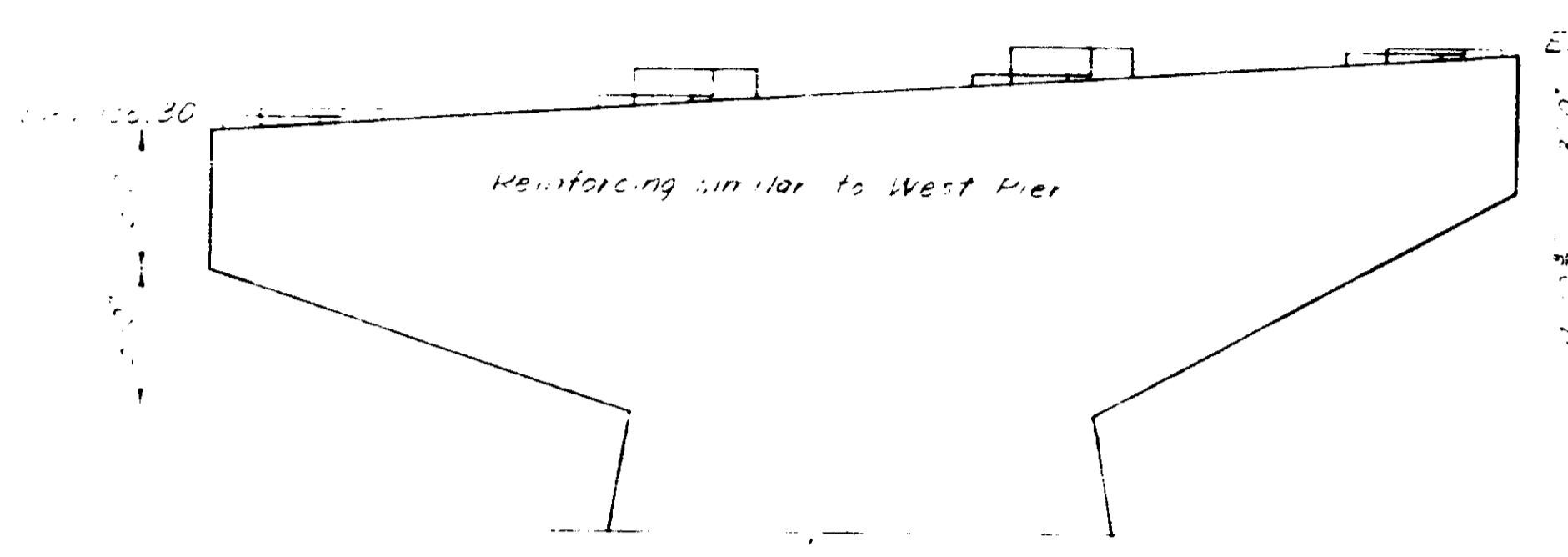
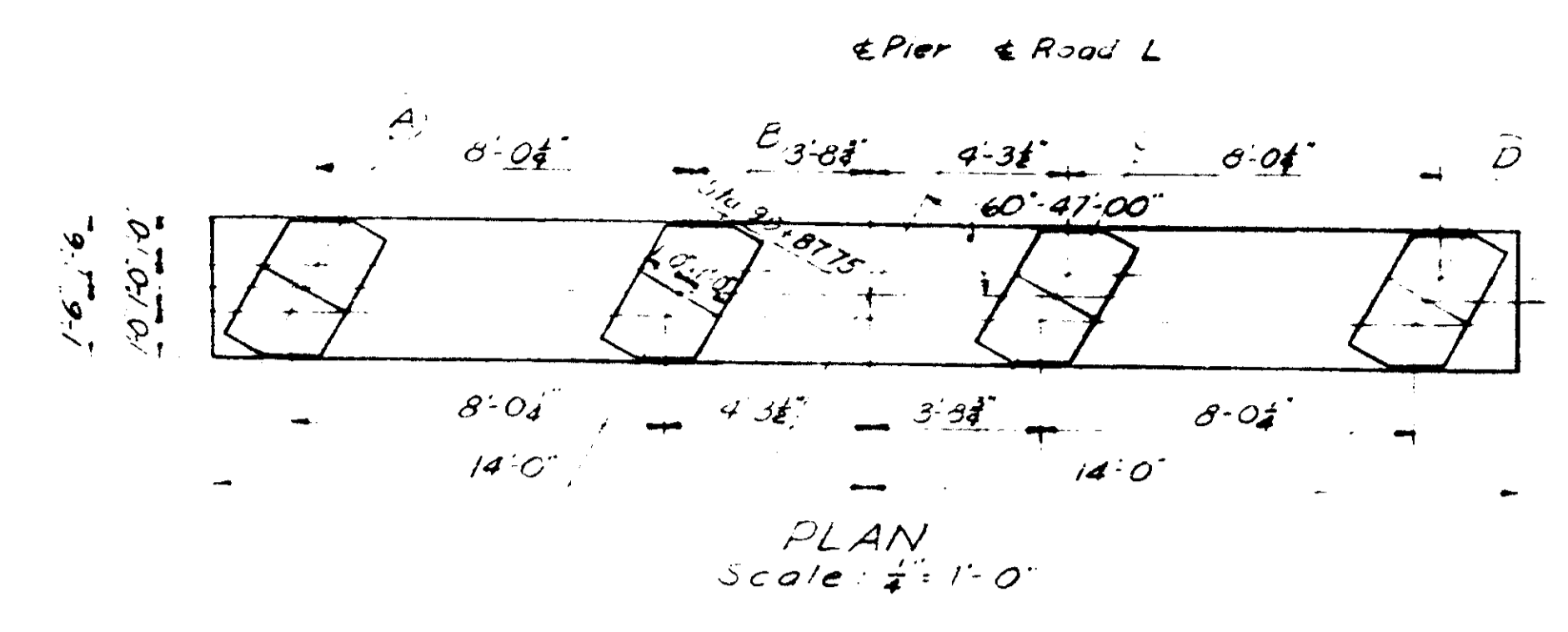
**SECTION A-A**  
Scale: 1/4"

DES.	W.E.C.
DR.	E.P.C.
T.K.	R.D.S.
CHK.	J.M.
APP.	H.W.

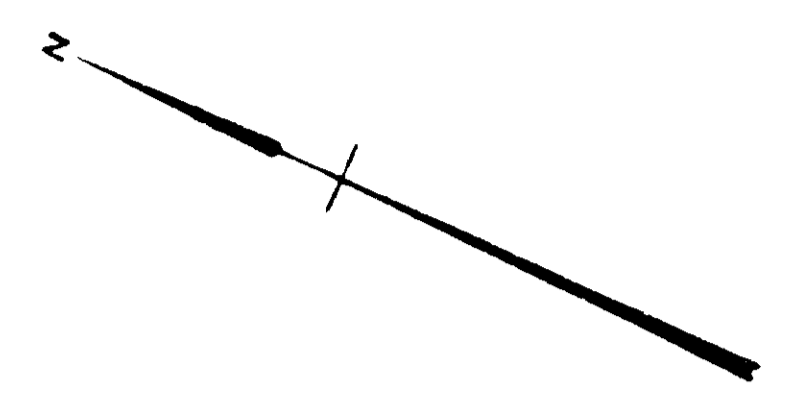
**STATE HIGHWAY COMMISSION**  
**BRIDGE DIVISION**  
**AUGUSTA, MAINE**  
  
**FORE RIVER BRIDGE**  
**PORTLAND - SOUTH PORTLAND, MAINE**  
  
**SOUTH PORTLAND INTERCHANGE OVERPASS**  
  
**PLAN AND ELEVATION**

SHEET NO. 84 OF 102 SCALE 1/4" = 1'-0" EC





Cast-in-Place concrete piles required each pier. For details see sheet No. 55.



Note:  
For reinforcement in approach, also see sheet No. 62.

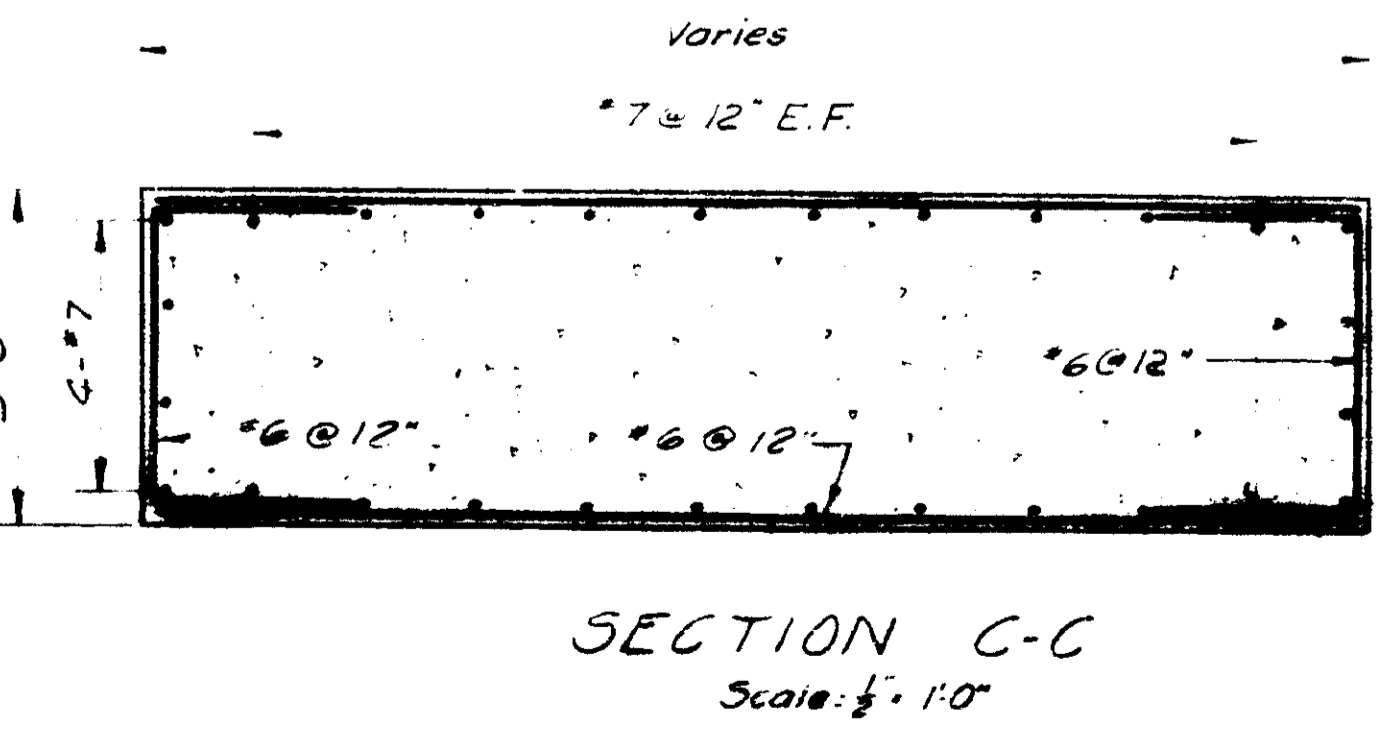
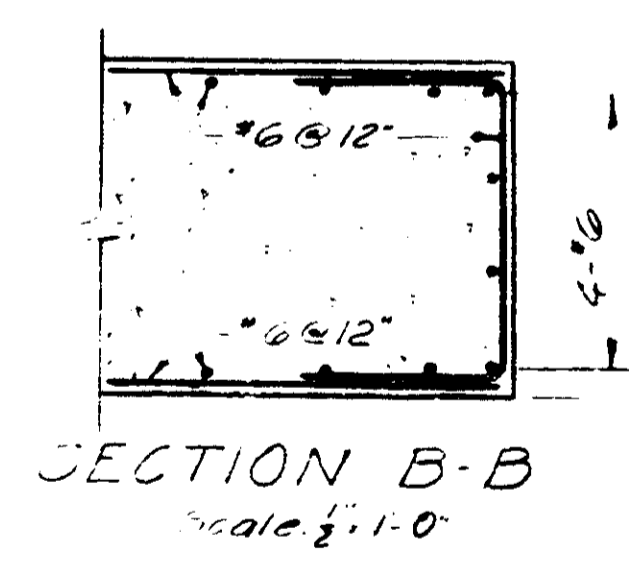
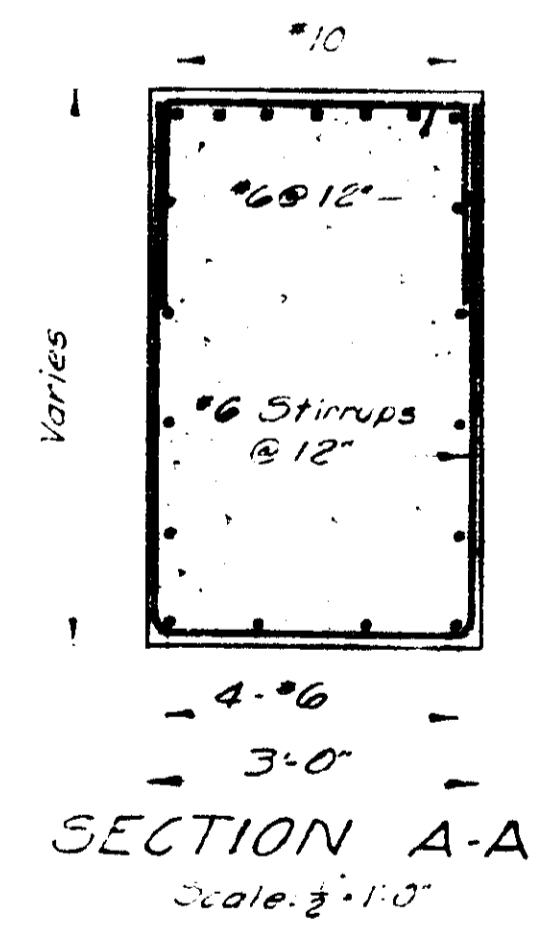
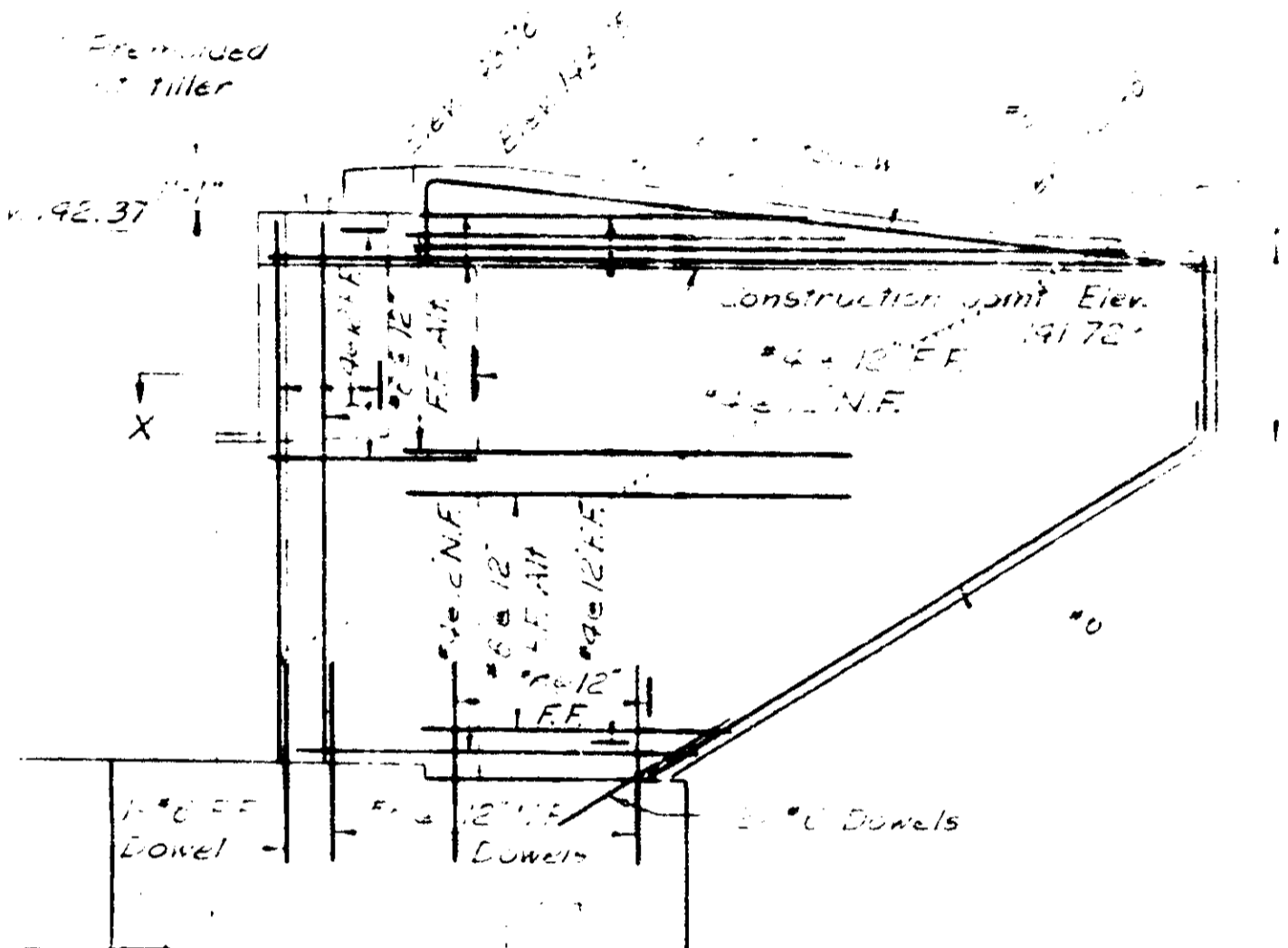
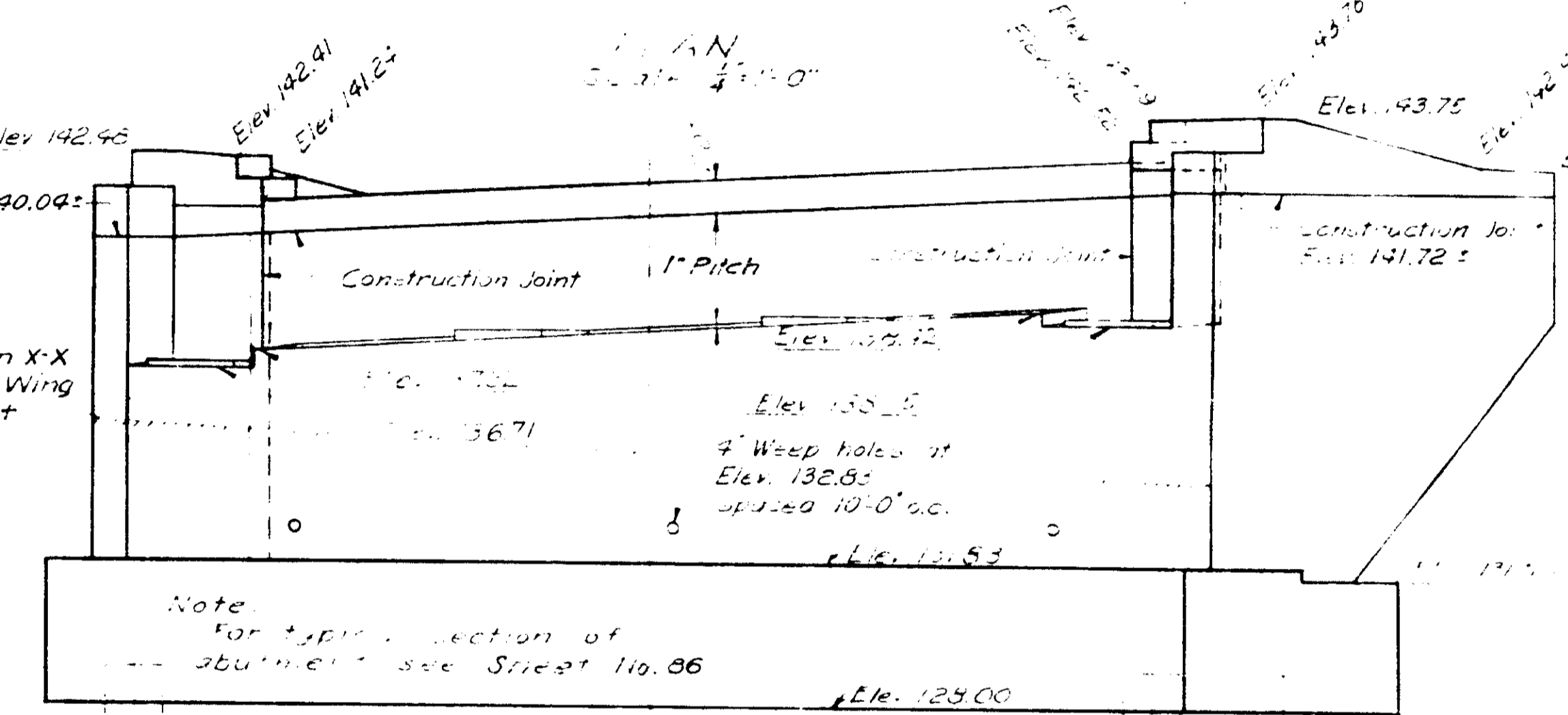
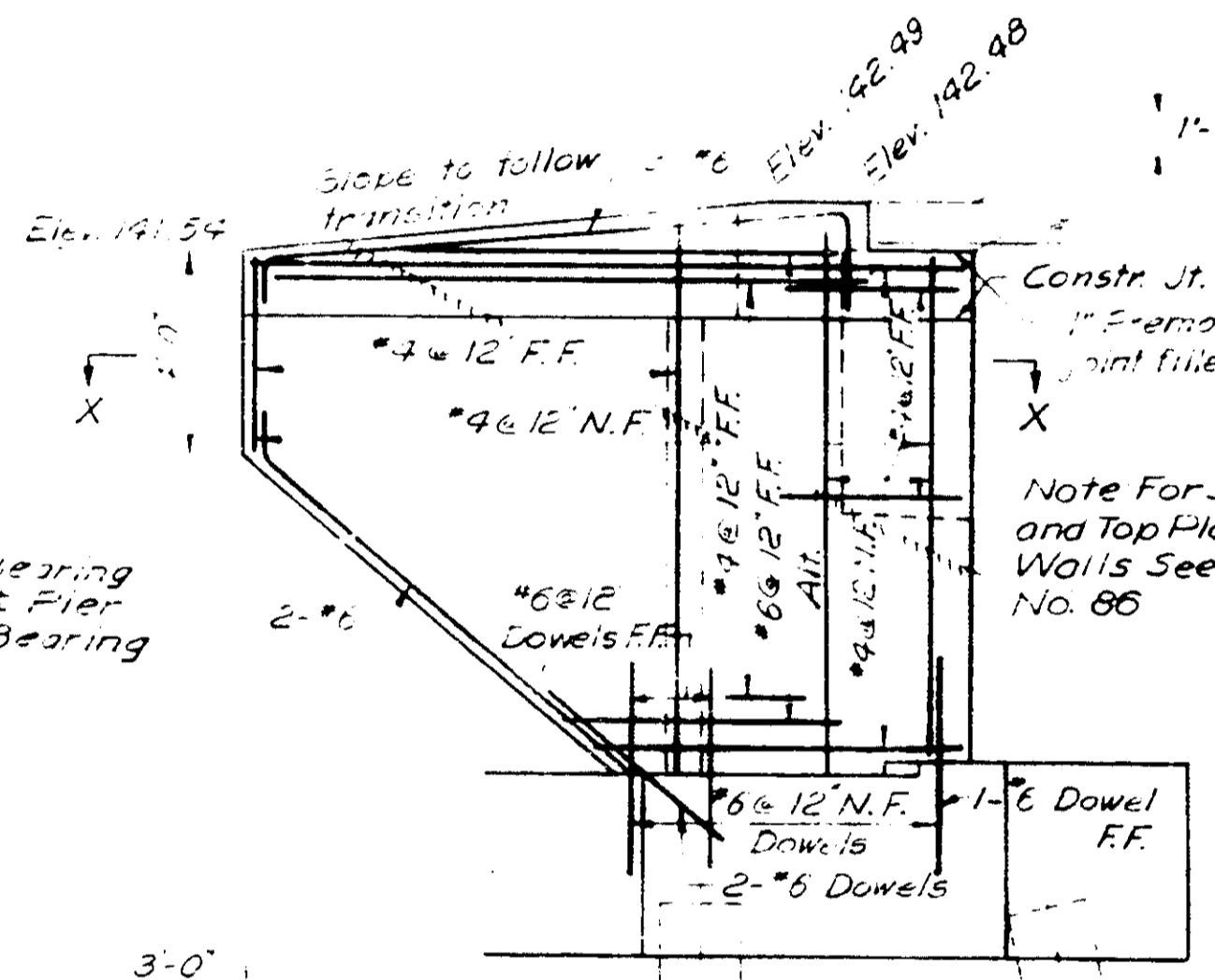
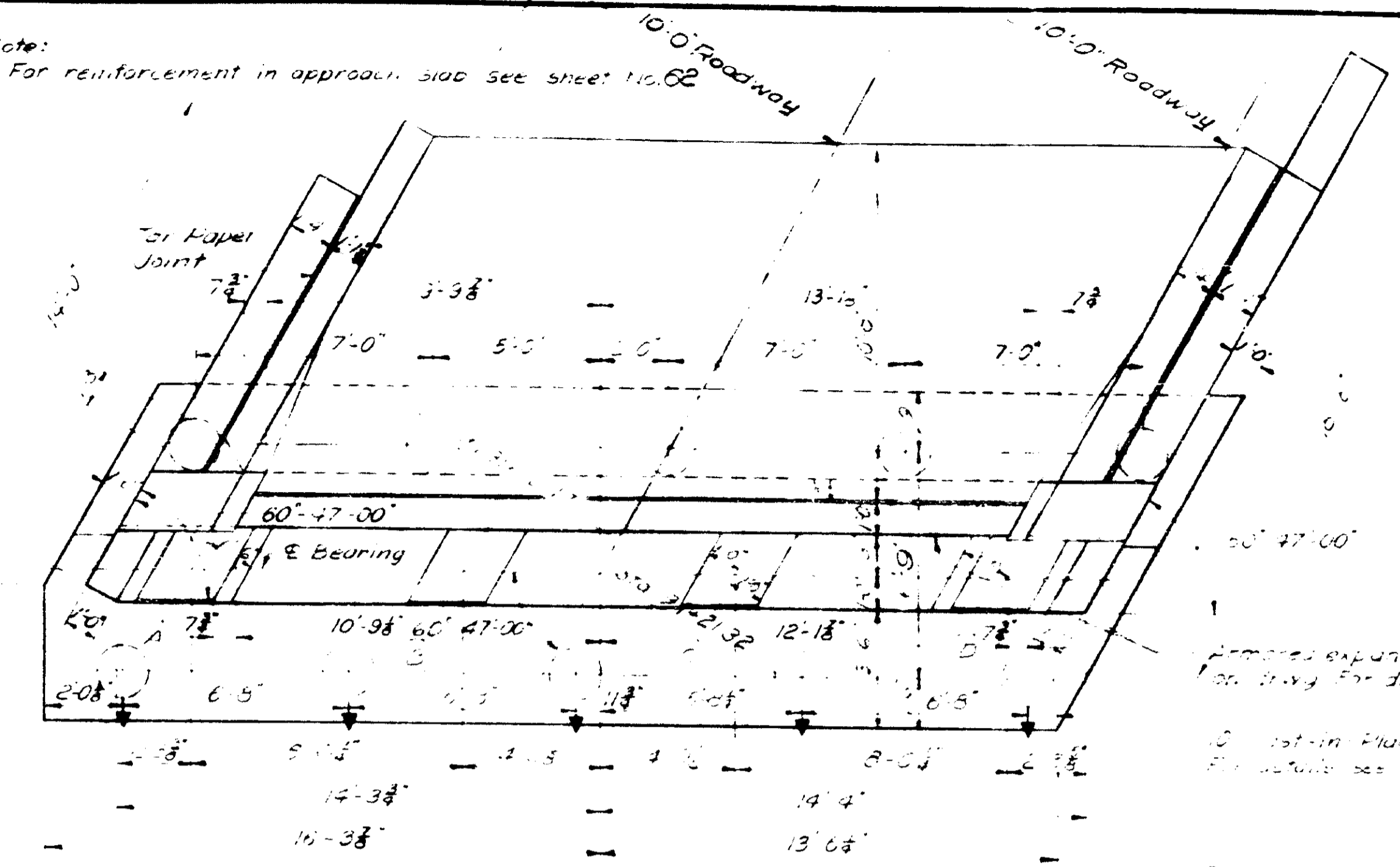


TABLE OF BEARING ELEVATIONS (BOTTOM OF BASE PLATES)

Stringer Letter	West Abut	West Pier	West Pier	East Pier	East Pier	East Abut
	W	E	W	E	W	E
A	135.25	135.97	135.09	136.25	136.19	136.58
B	136.37	136.97	136.44	137.11	137.72	137.34
C	137.11	137.55	137.01	137.23	138.25	138.11
D	137.11	137.71	137.67	138.24	138.25	138.11

Note:  
For general notes, see sheet No. 64.  
For details and reinforcement in pedestals, see sheet No. 35.  
For location of Anchor Bolts in pedestals, see sheet No. 67.  
Battered piles indicated thus  $\circ$ .  
For location of Bridge Rail Post, see sheet No. 64.  
For section X-X see sheet No. 66.

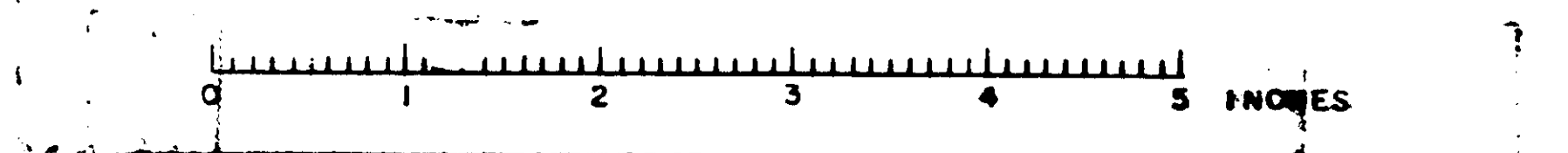
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
AUGUSTA, MAINE

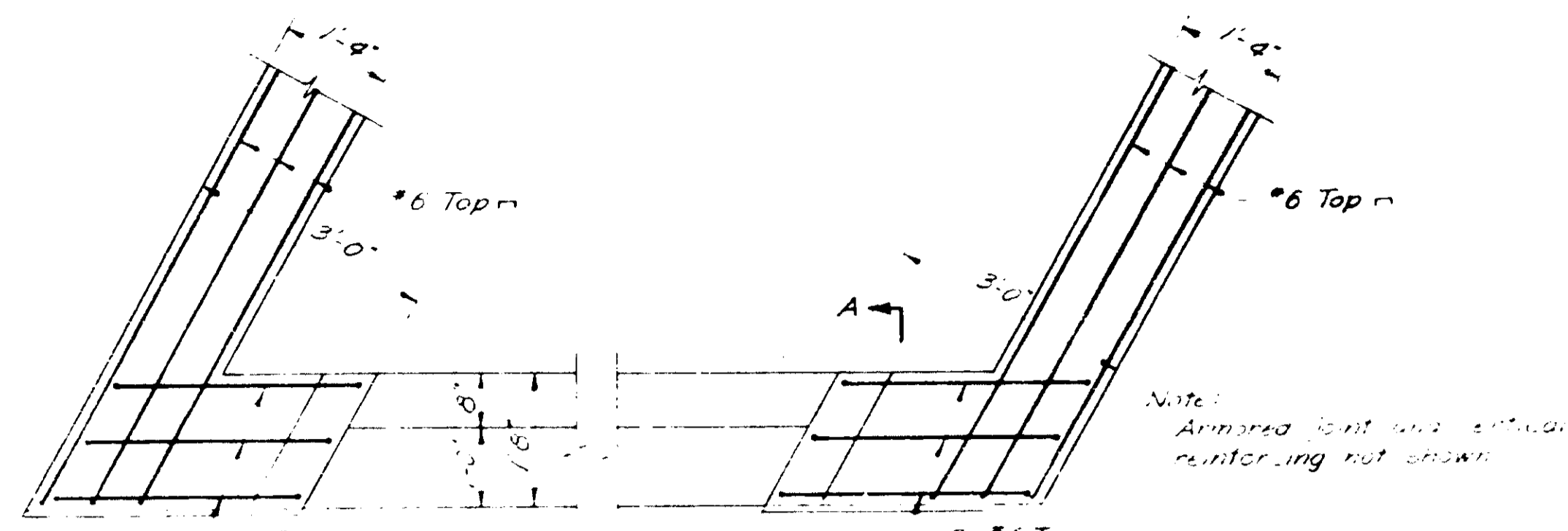
FORE RIVER BRIDGE  
PORTLAND - SOUTH PORTLAND, MAINE

SOUTH PORTLAND INTERCHANGE OVERPASS  
EAST ABUTMENT AND PIERS

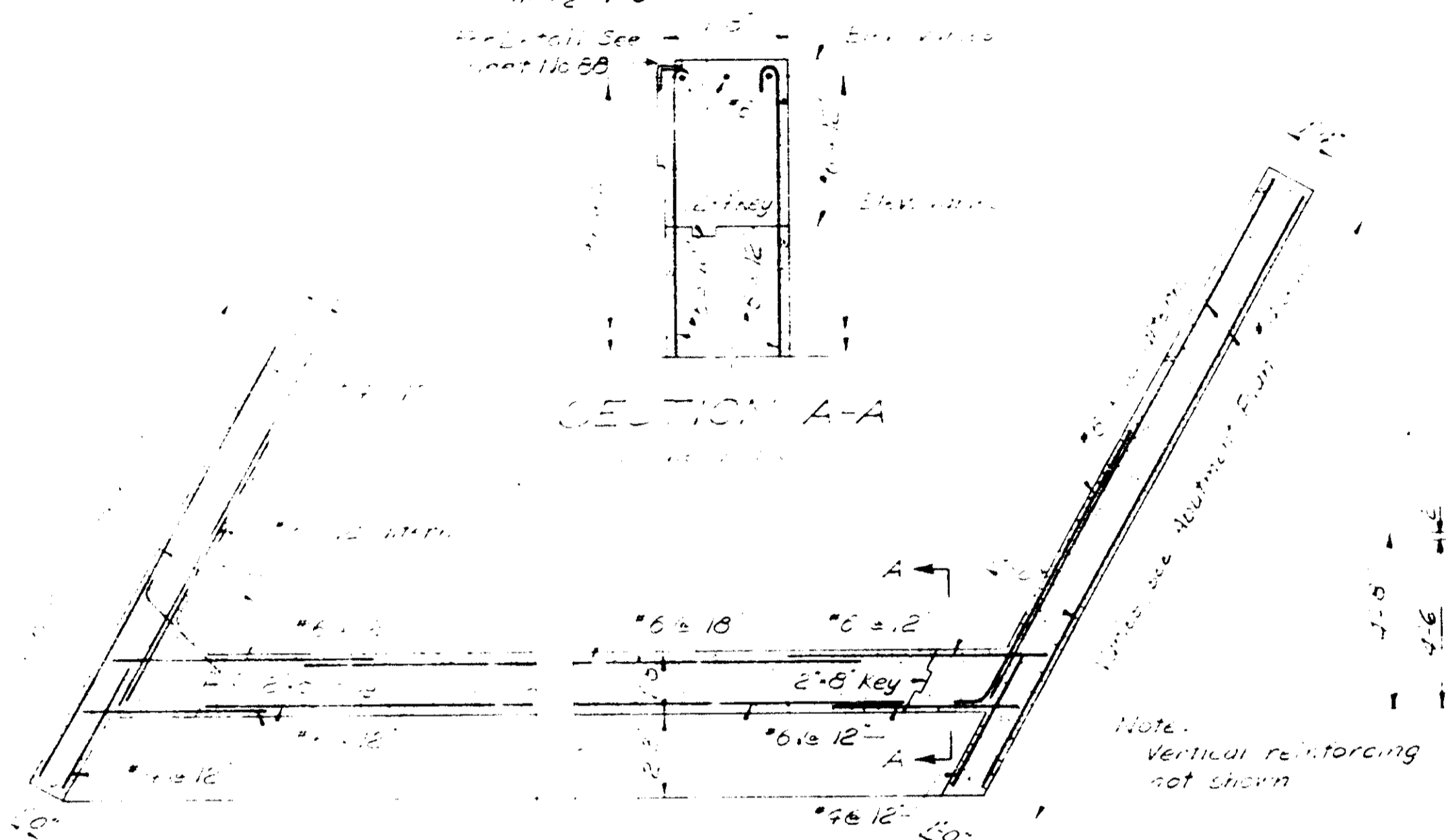
SHEET NO. 65 OF 102 SCALE AS NOTED

ST. WEC.	
DES.	S.L.M.
TL.	S.L.M.
CHK.	J.M.
APP.	A.H.W.

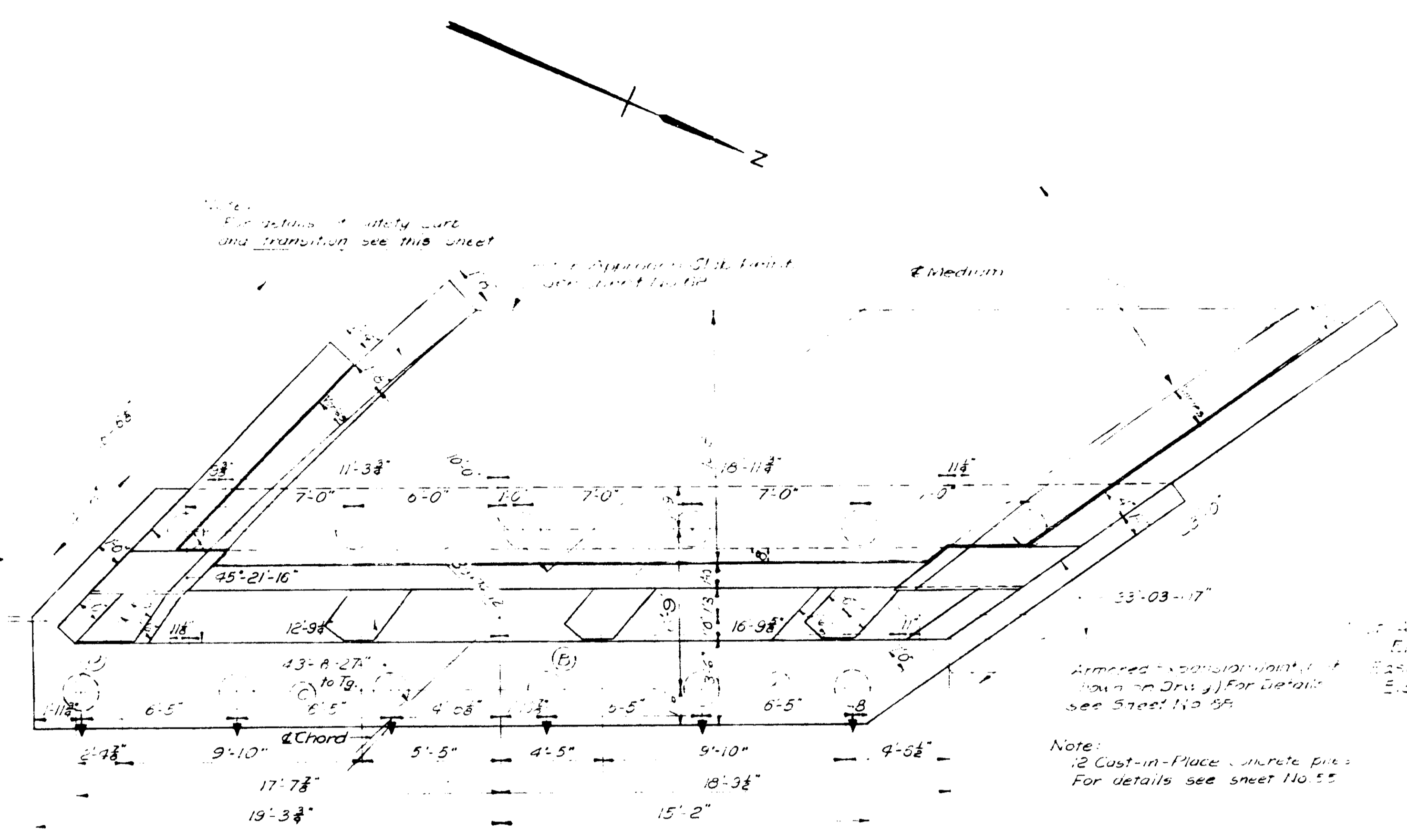




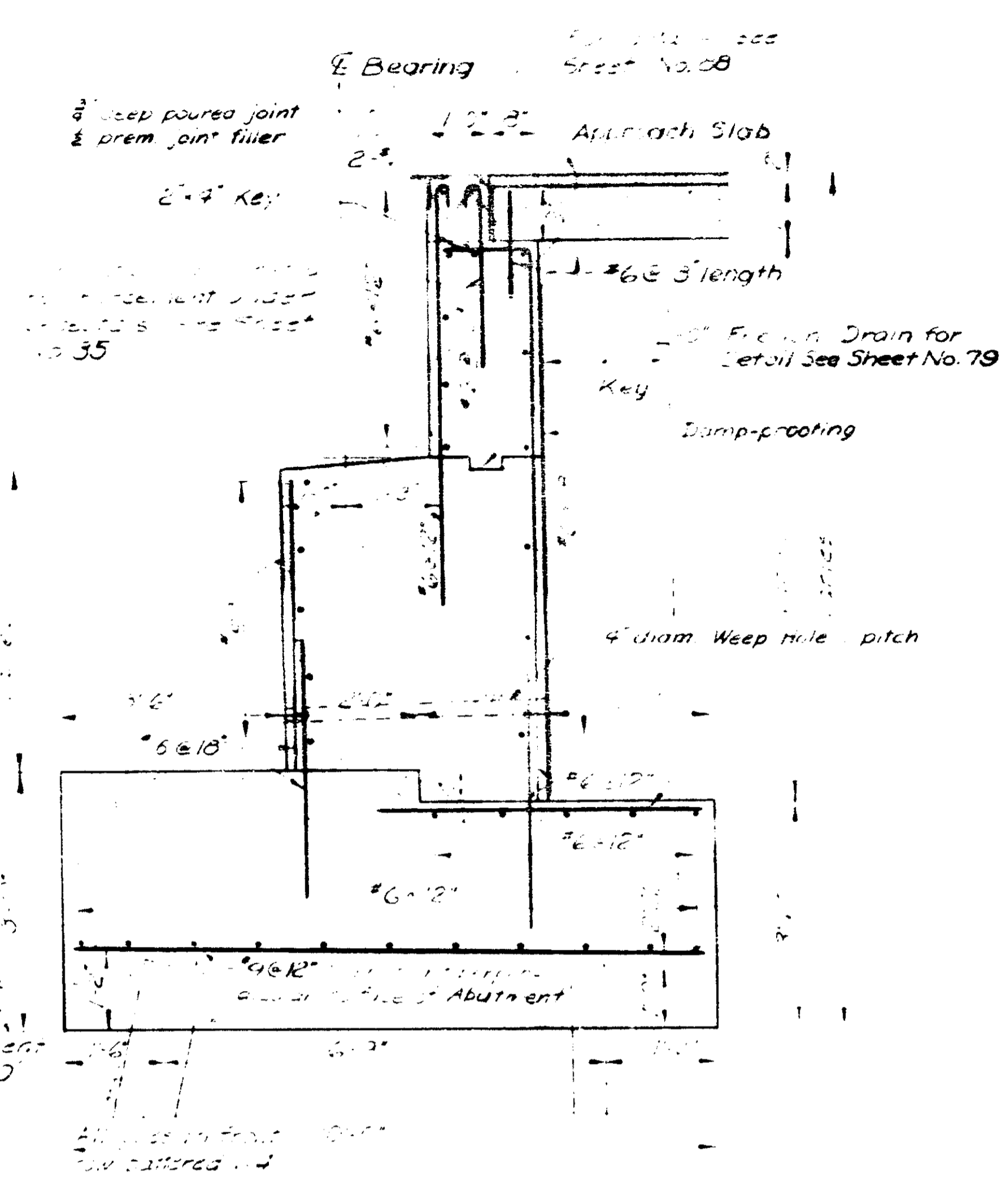
1. TOP PLAN OF WING WALLS



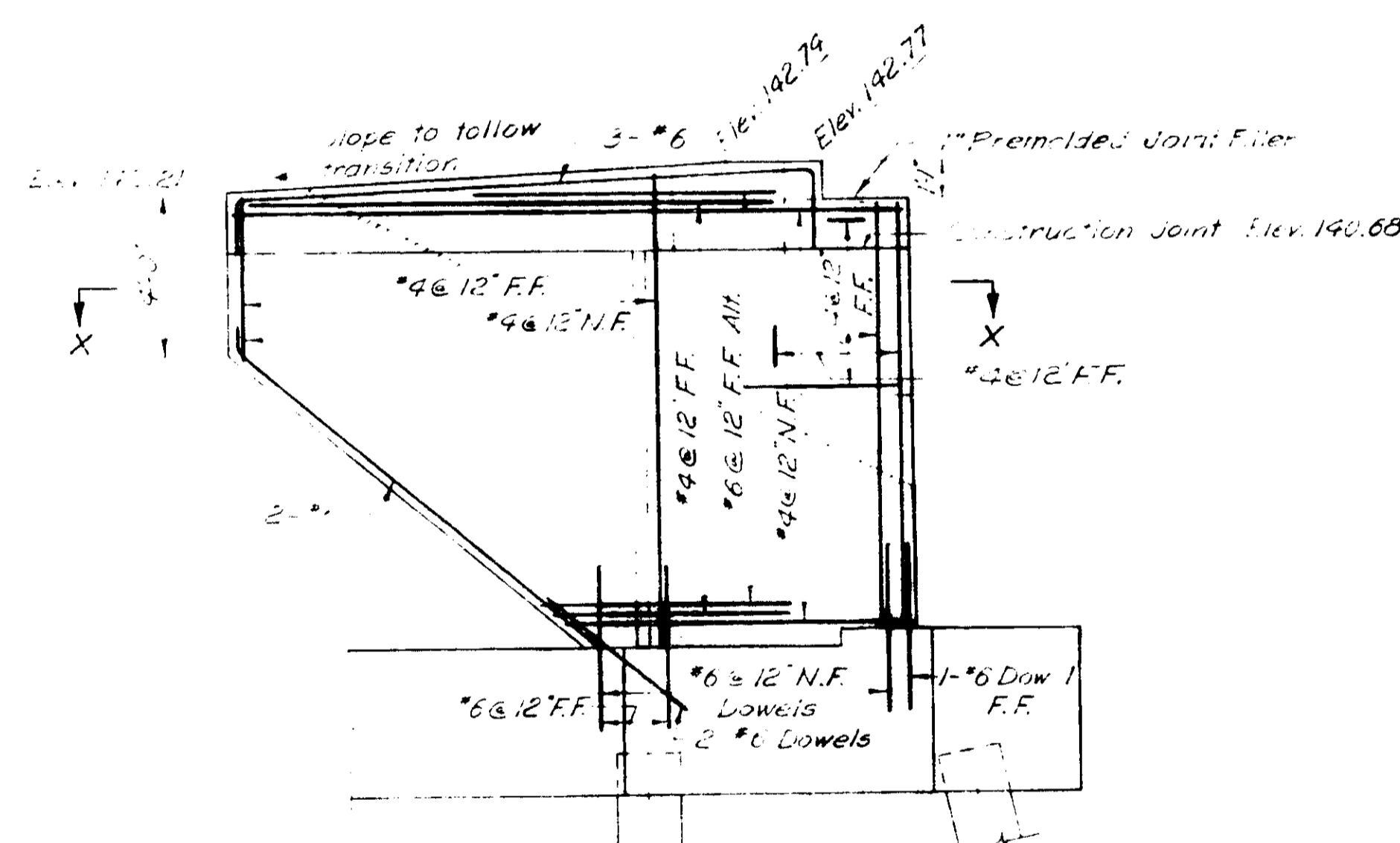
SECTION A-A



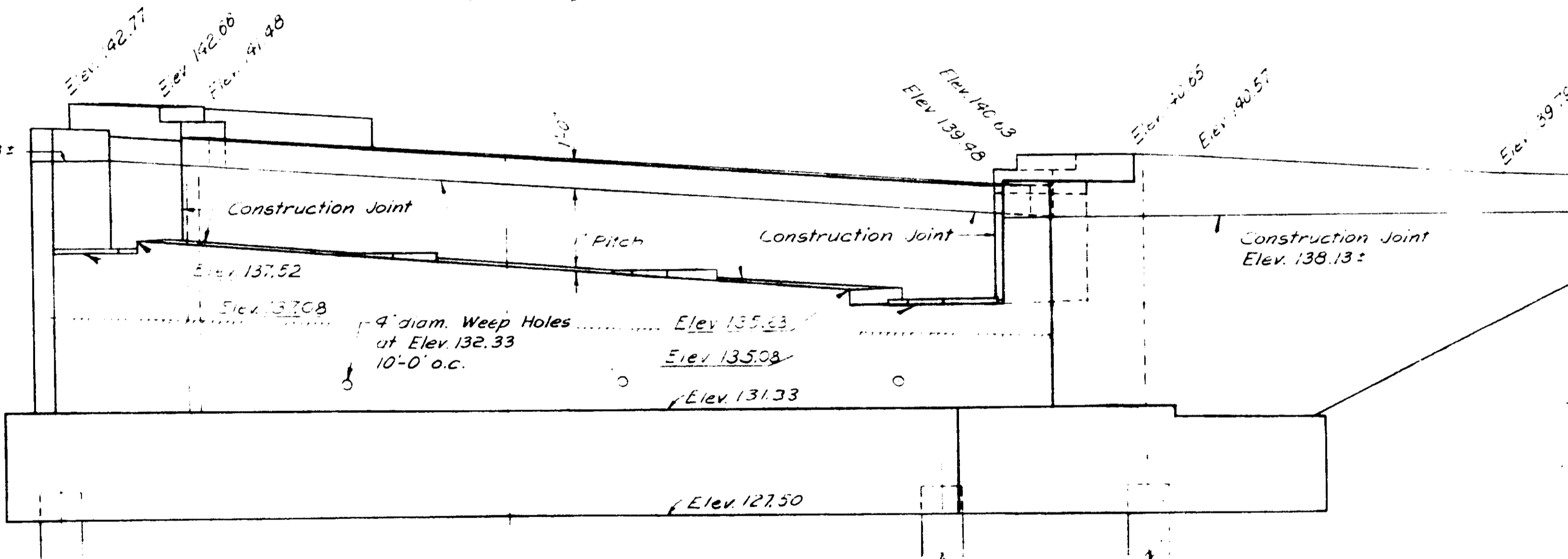
PLAN



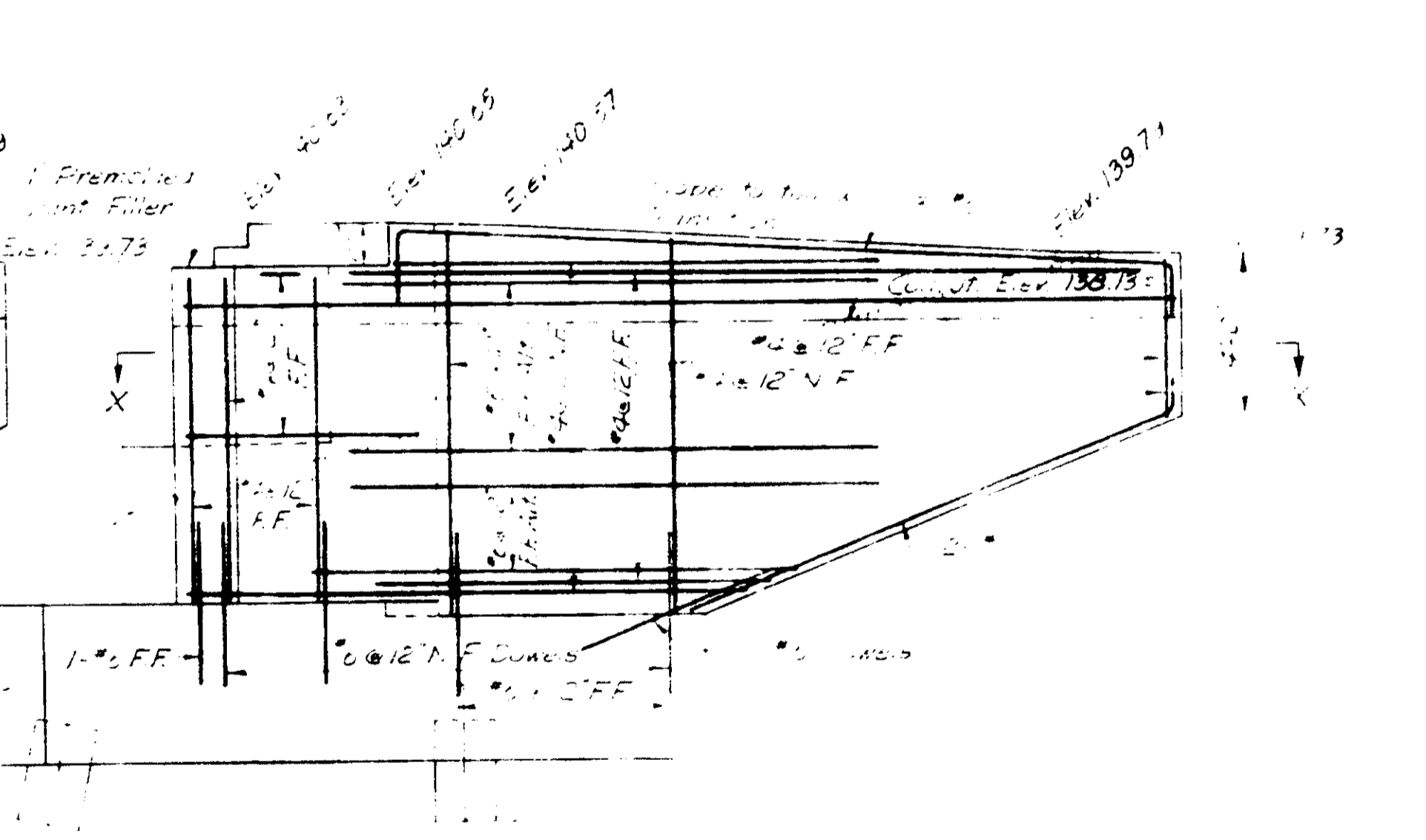
TYPICAL CROSS SECTION OF ABUTMENT



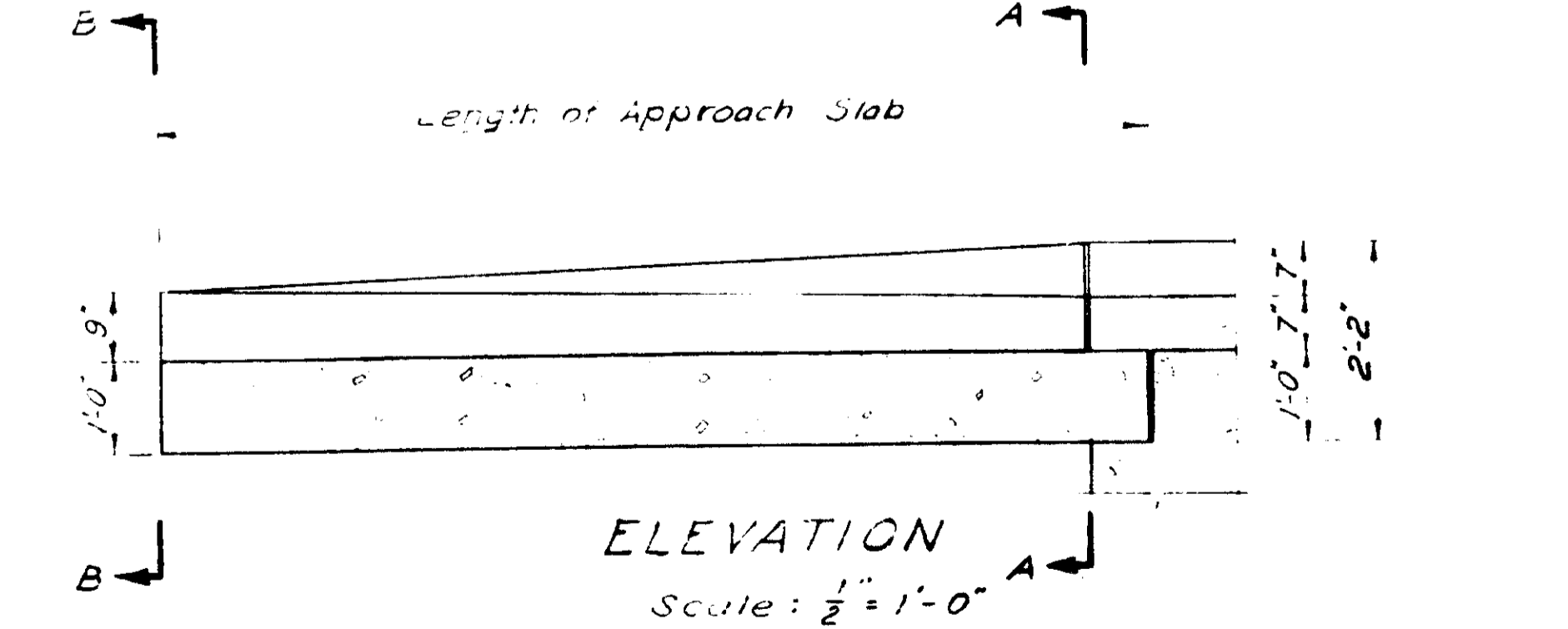
ELEVATION SOUTH WING WALL



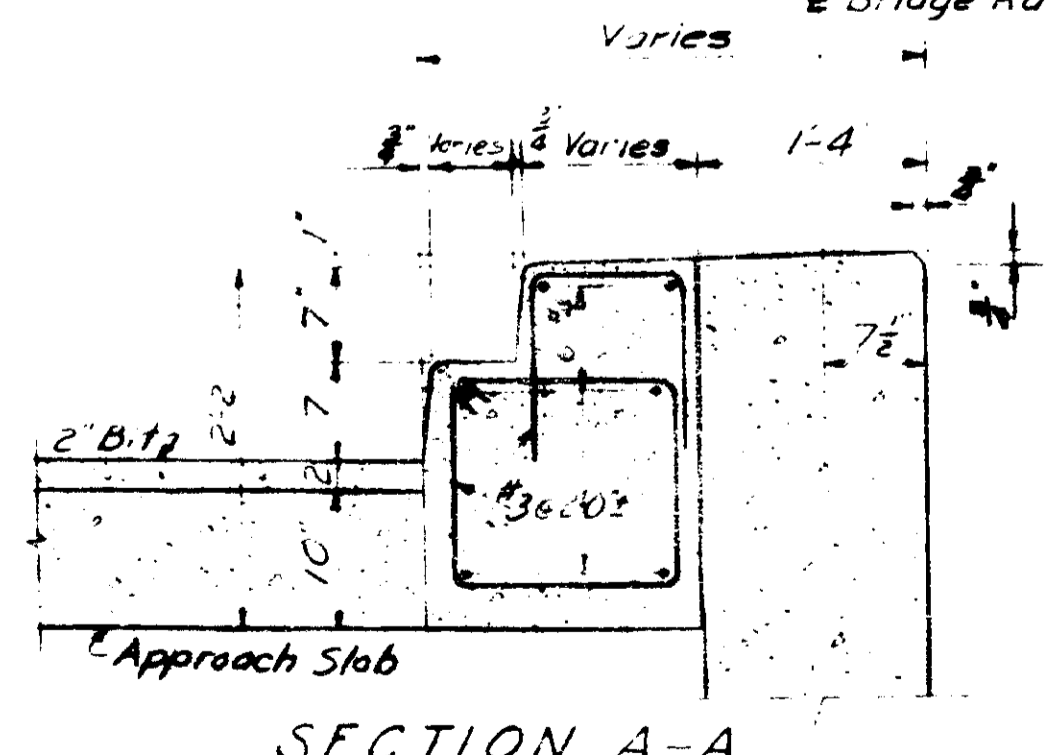
ELEVATION



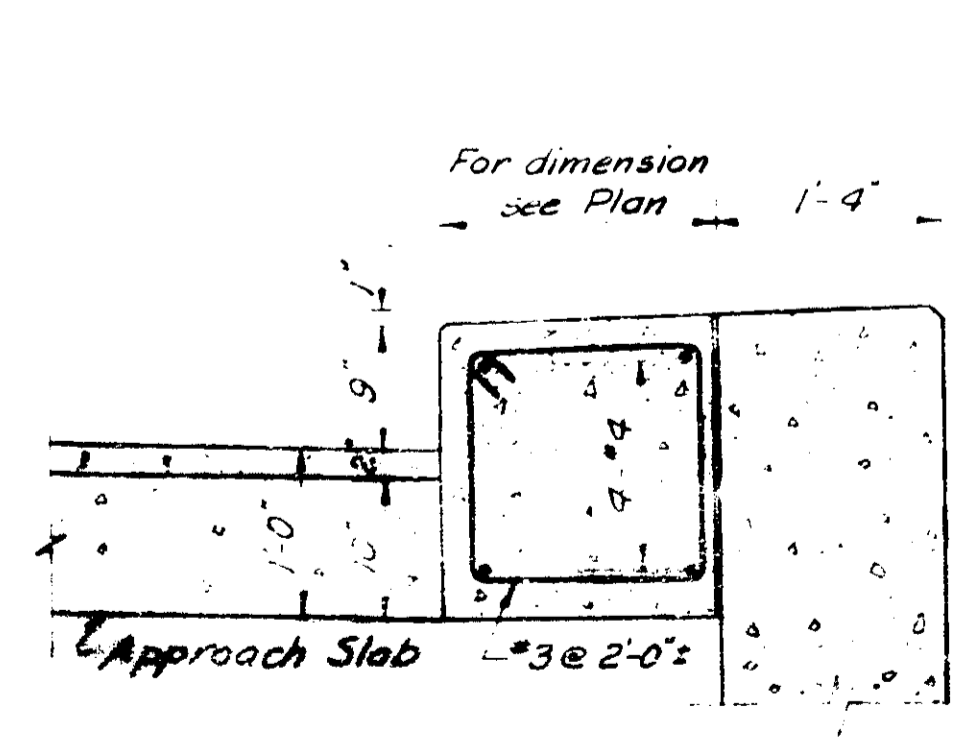
ELEVATION NORTH WING WALL



ELEVATION



SECTION A-A TRANSITION CURB DETAILS

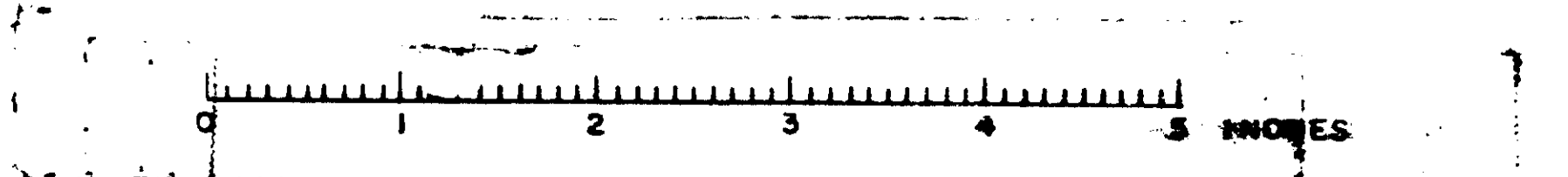


SECTION B-B TRANSITION CURB DETAILS

Note:  
 For location of bridge railing post see sheet No. 84  
 For details and reinforcement in pedestals, see sheet No. 35  
 For location of anchor bolts in pedestals, see sheet No. 87  
 For bearing elevations, see table on sheet No. 85  
 For location of bridge railing post see sheet No. 84  
 Battered piles indicated thus

STATE HIGHWAY COMMISSION BRIDGE DIVISION AUGUSTA, MAINE	
FORE RIVER BRIDGE PORTLAND - SOUTH PORTLAND, MAINE	
SOUTH PORTLAND INTERCHANGE OVERPASS	
WEST ABUTMENT	
SHEET NO. 88 OF 102	SCALE 1/4" = 1'-0"

DESIGN WEG.	
DR. G.L.M.	
TR. Z.M.	
CHK. IV	
APP. H.W.	



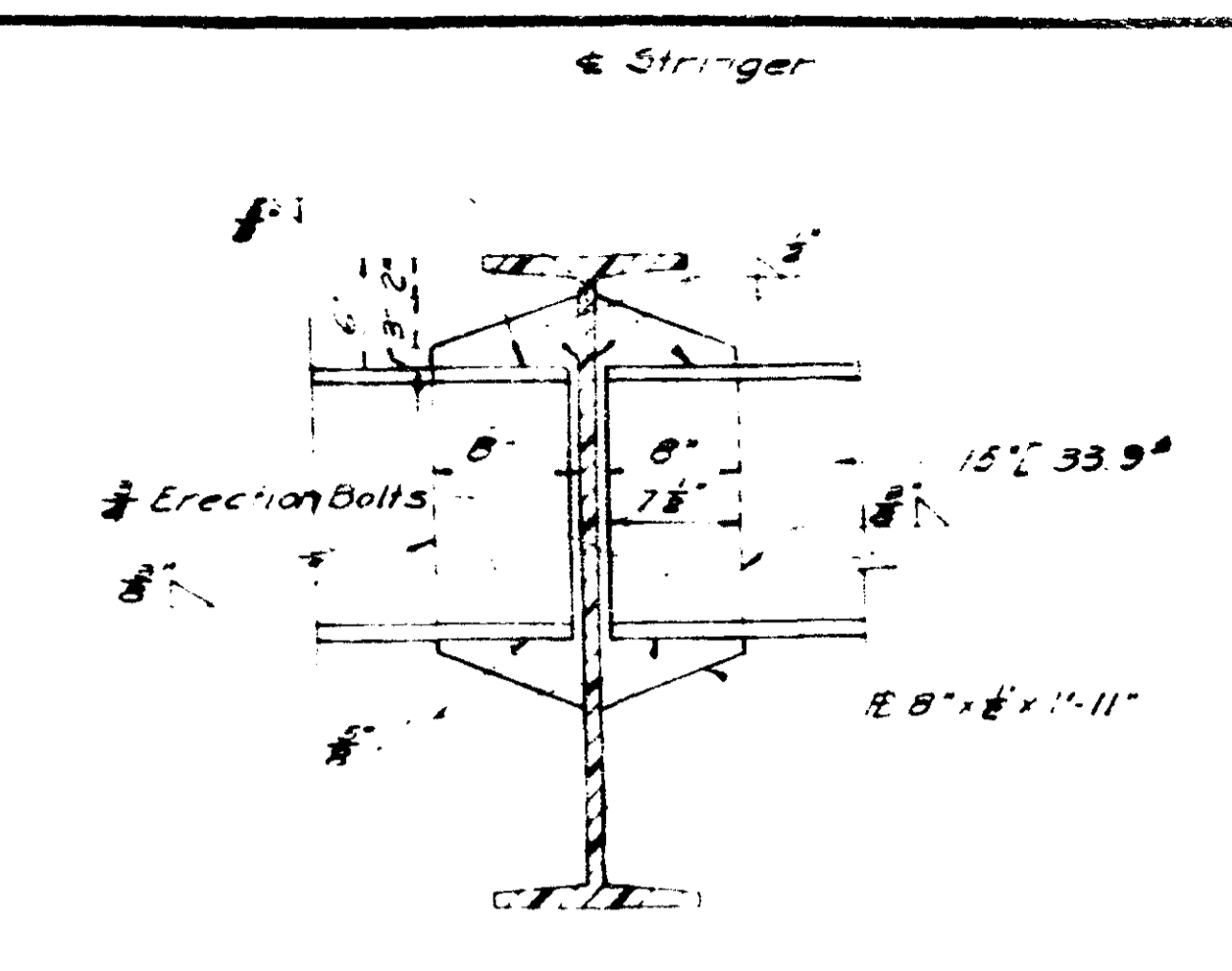
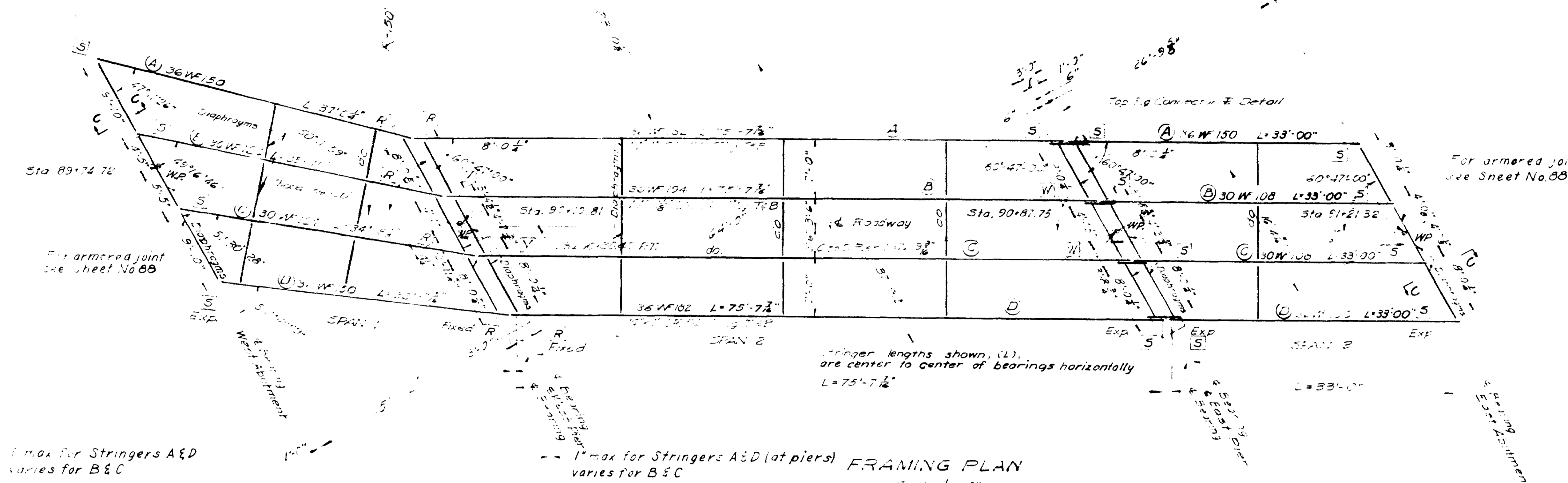
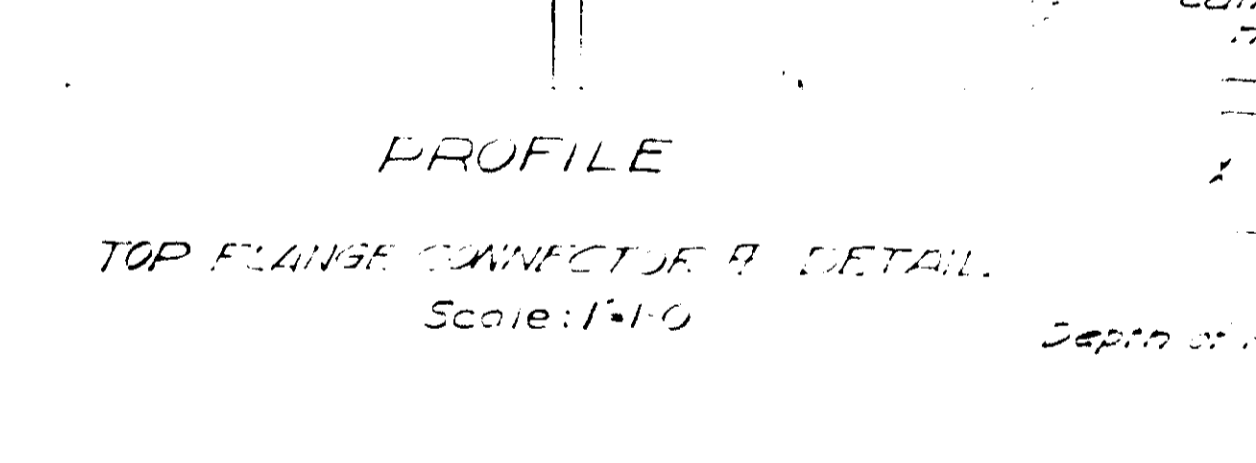
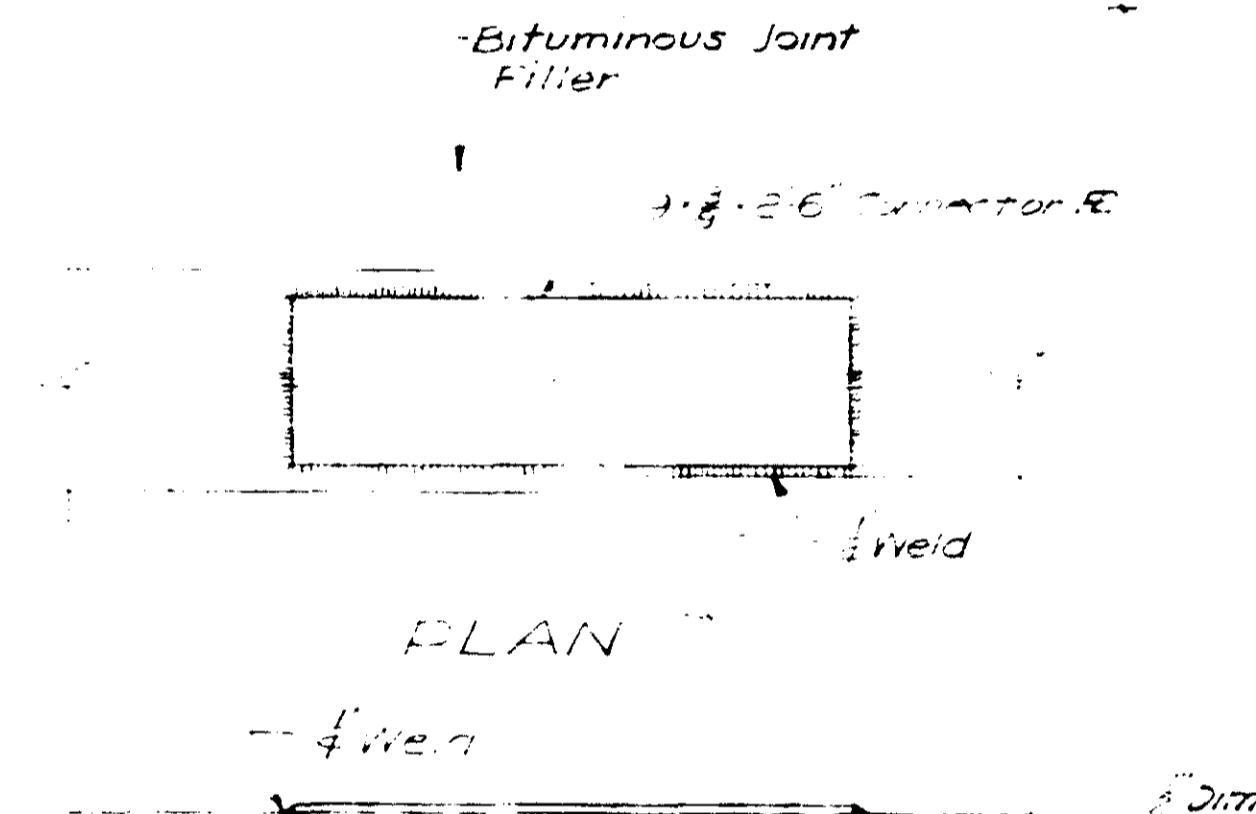
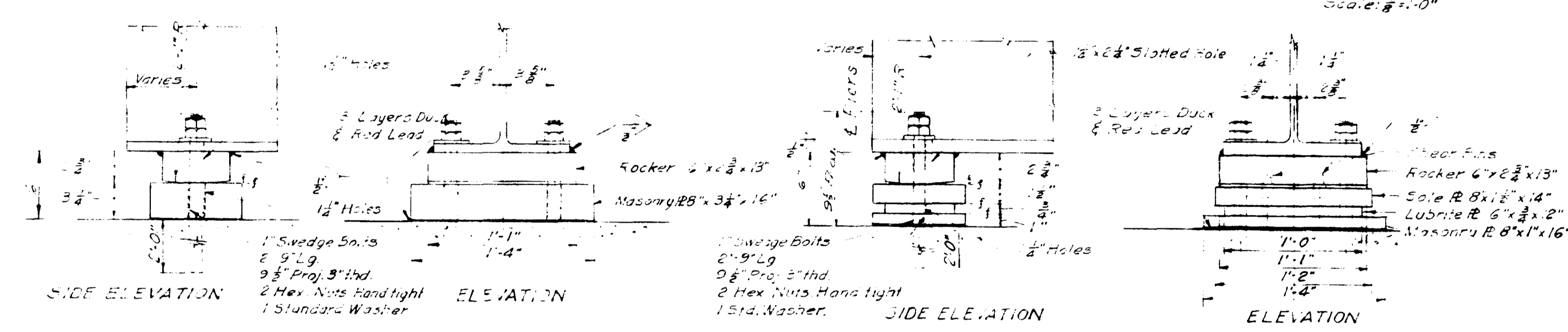


TABLE OF DIMENSIONS FOR STRINGERS

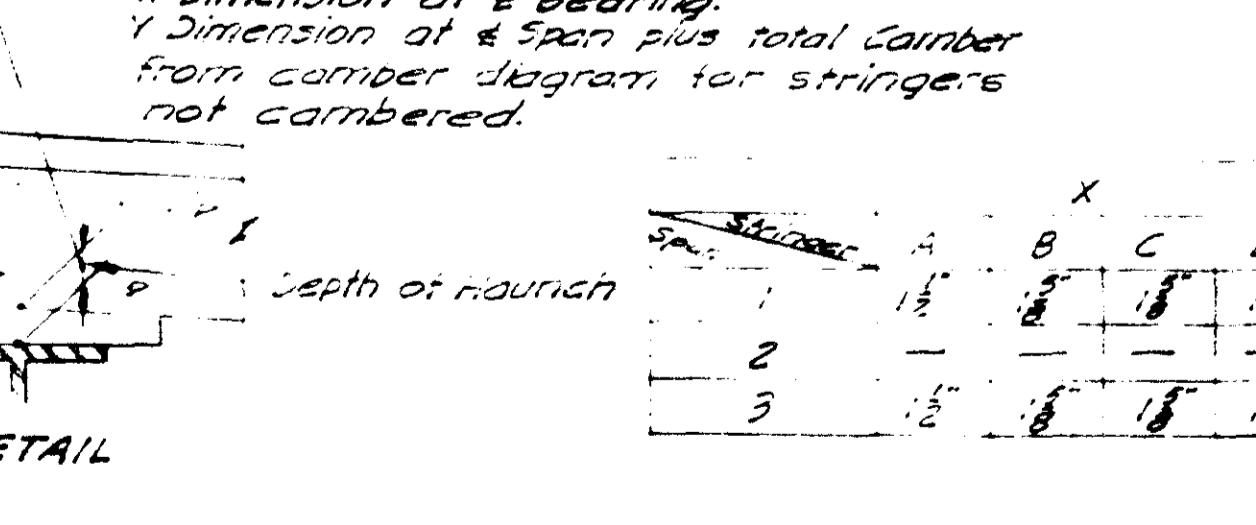
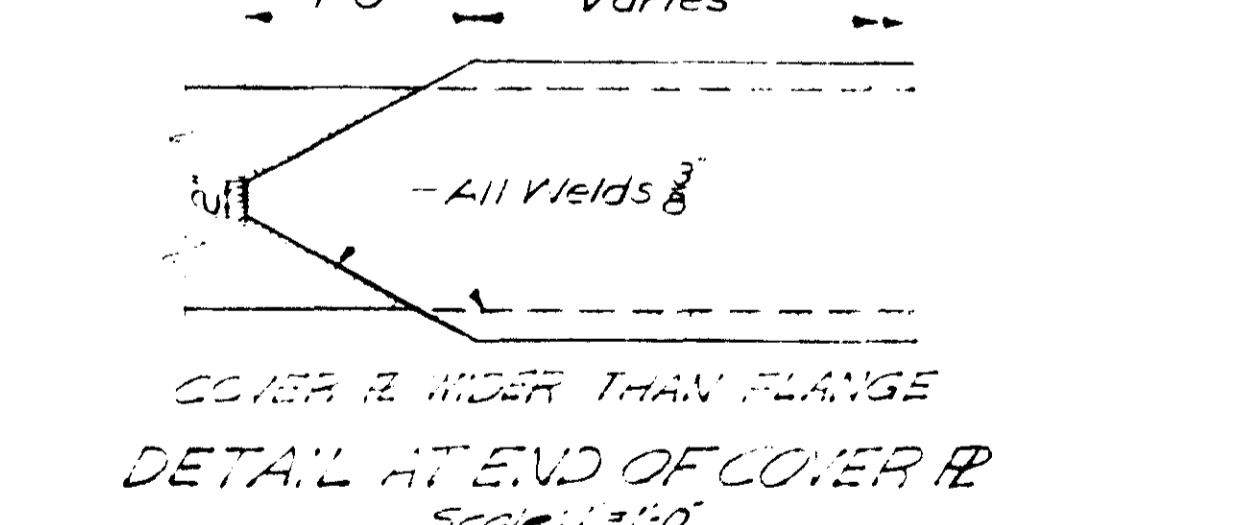
Span	Stringer	Depth	Flange	Web	Notes
Span 1	A	1 1/2"	1 1/2"	1 1/2"	
	B	1 1/2"	1 1/2"	1 1/2"	
	C	1 1/2"	1 1/2"	1 1/2"	
	D	1 1/2"	1 1/2"	1 1/2"	
Span 2	A	1 1/2"	1 1/2"	1 1/2"	
	B	1 1/2"	1 1/2"	1 1/2"	
	C	1 1/2"	1 1/2"	1 1/2"	
	D	1 1/2"	1 1/2"	1 1/2"	



**HAUNCH SCHEDULE FOR STRINGERS WITH COVER PLATE**

Notes: X Dimension at Bearing, Y Dimension at Span plus total camber from camber diagram for stringers not cambered.

Span	Stringer	Y	X
Span 1	A	1 1/2"	1 1/2"
	B	1 1/2"	1 1/2"
	C	1 1/2"	1 1/2"
	D	1 1/2"	1 1/2"
Span 2	A	1 1/2"	1 1/2"
	B	1 1/2"	1 1/2"
	C	1 1/2"	1 1/2"
	D	1 1/2"	1 1/2"



**HAUNCH SCHEDULE FOR STRINGERS WITHOUT COVER PLATE**

Notes: X Dimension at Bearing, Y Dimension at Span plus total camber from camber diagram for stringers not cambered.

Span	Stringer	Y	X
Span 1	A	1 1/2"	1 1/2"
	B	1 1/2"	1 1/2"
	C	1 1/2"	1 1/2"
	D	1 1/2"	1 1/2"
Span 2	A	1 1/2"	1 1/2"
	B	1 1/2"	1 1/2"
	C	1 1/2"	1 1/2"
	D	1 1/2"	1 1/2"

DES. A.R. R.C.R.  
DR. J.A.  
TR. J.R.A.  
CHK. A.C.R.  
APP. [Signature]

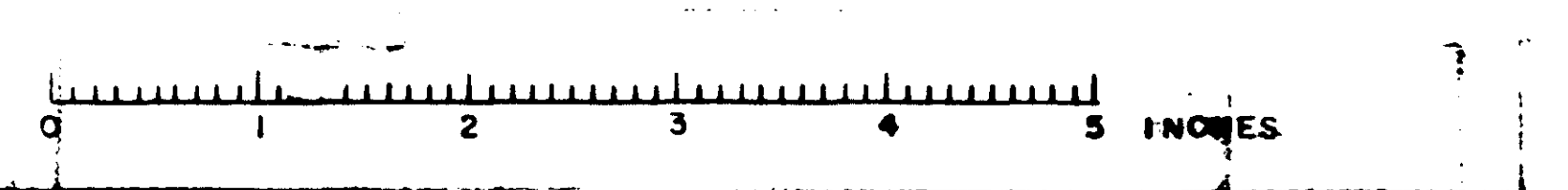
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
AUGUSTA, MAINE

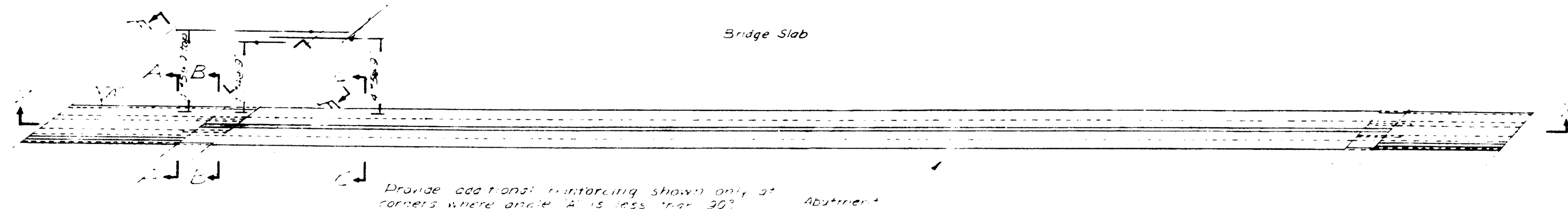
FORE RIVER BRIDGE  
PORTLAND - SOUTH PORTLAND, MAINE

**SOUTH PORTLAND INTERCHANGE OVERPASS**

**FRAMING PLAN**

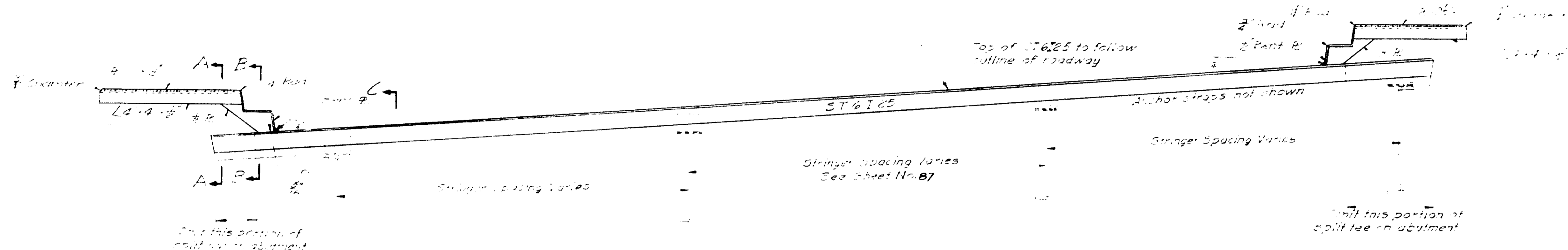
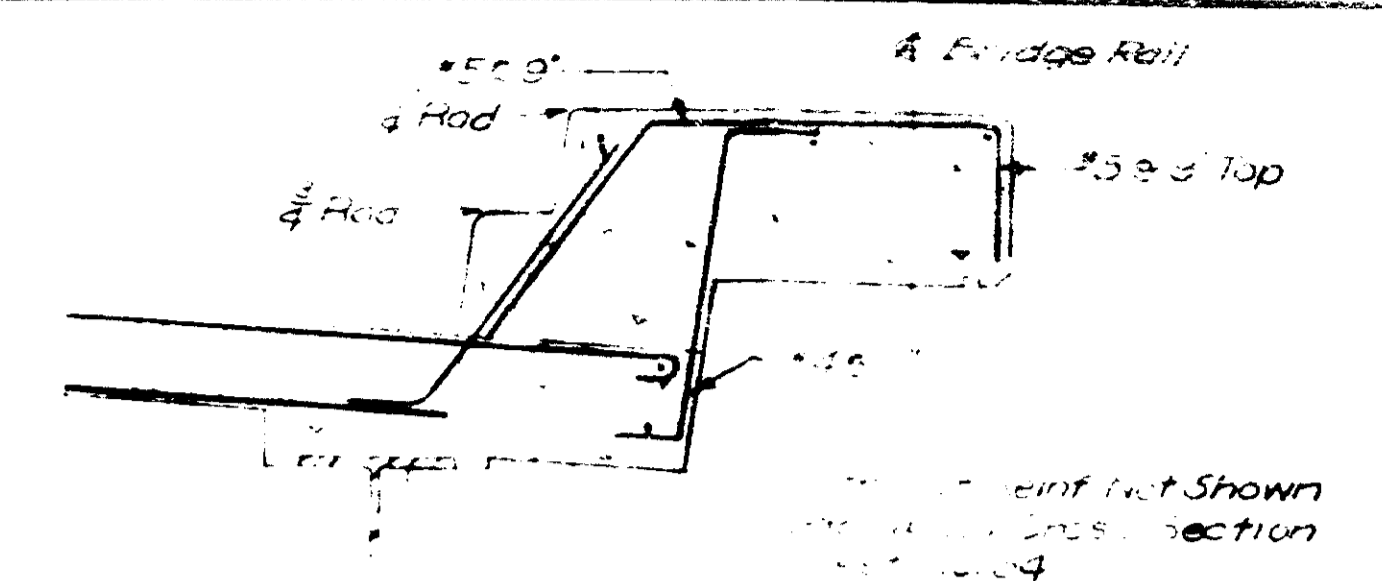
SHEET NO. 87 OF 102 SCALE AS NOTED



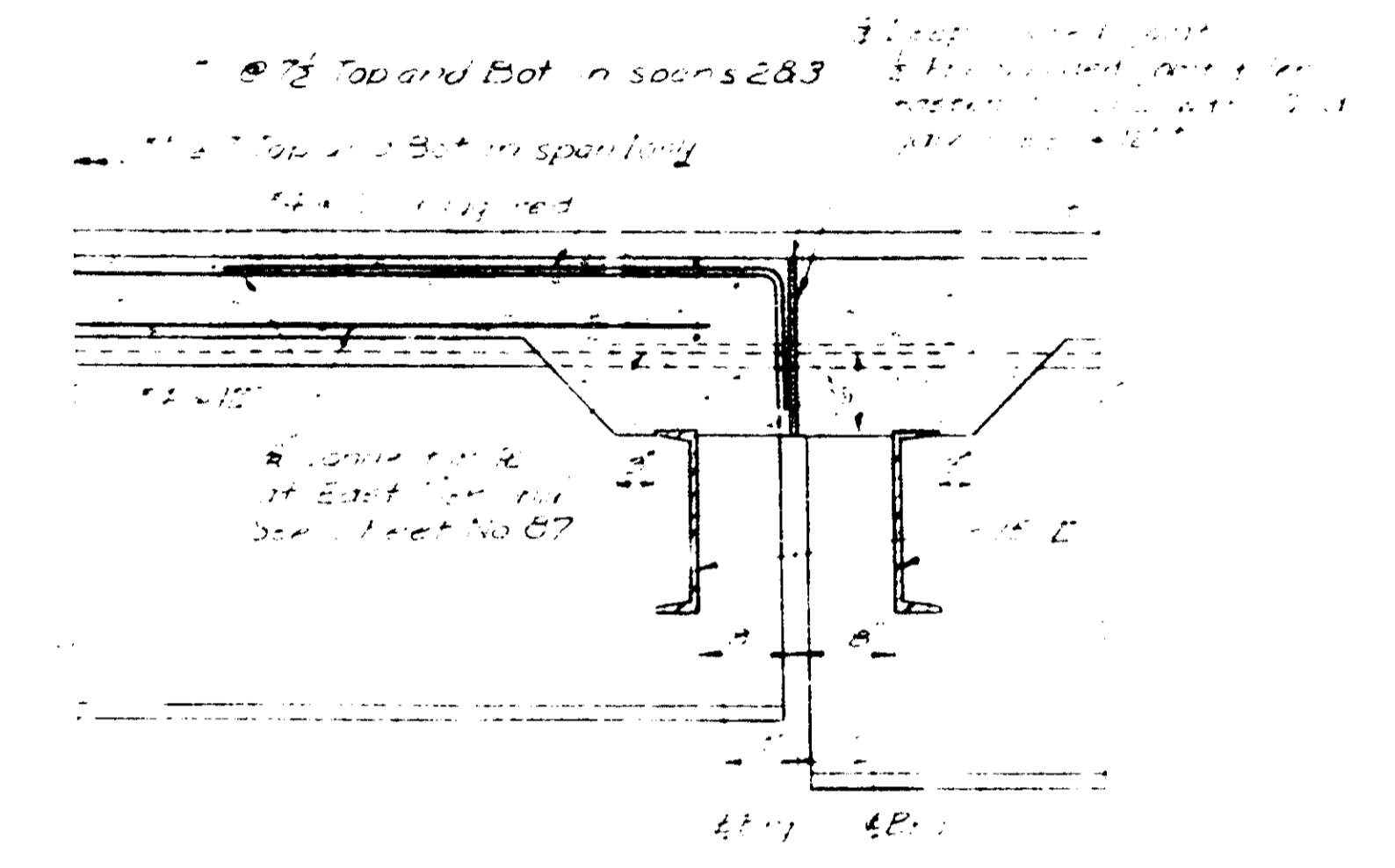


Provide additional reinforcing shown only at corners where angle A is less than 90°

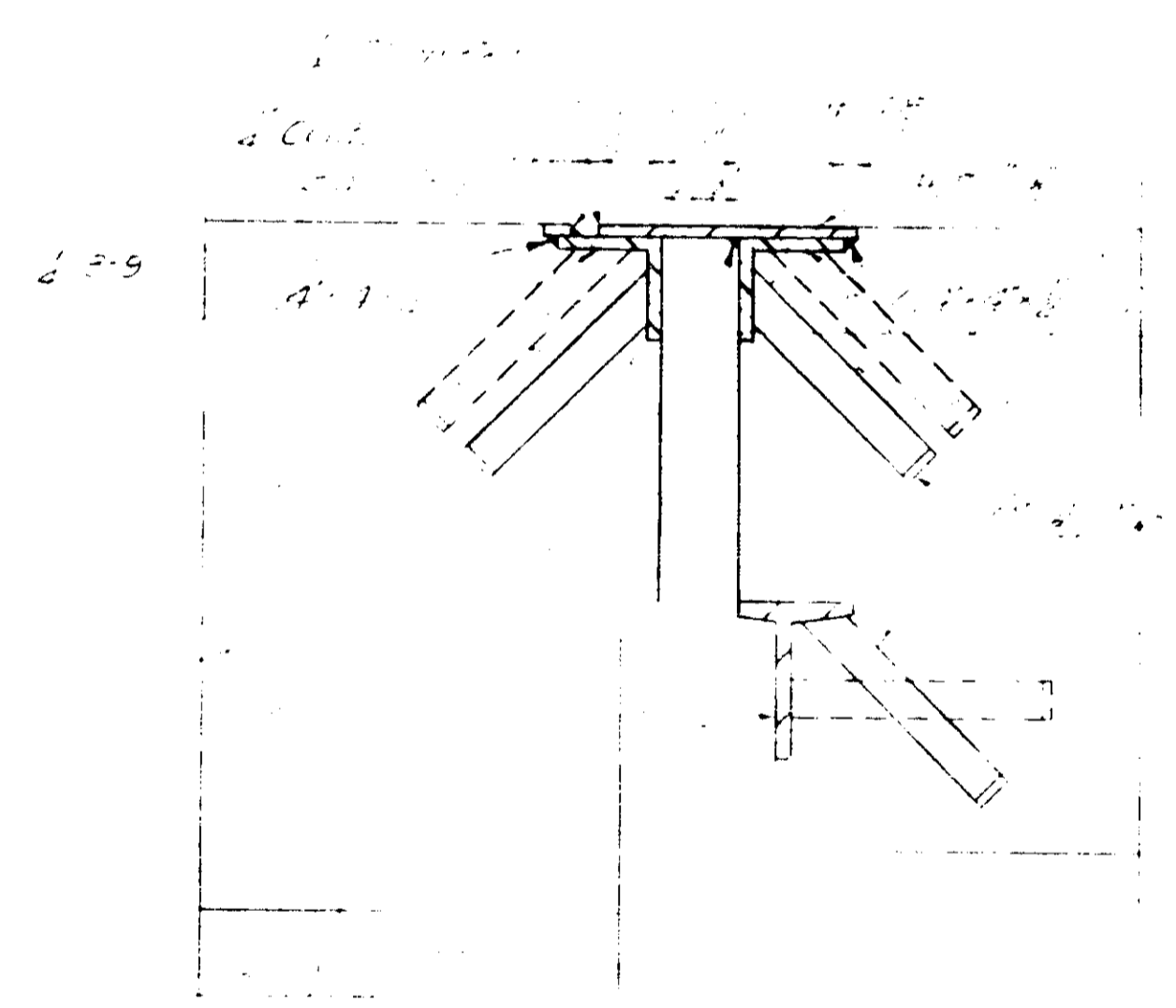
PLAN OF ABUTMENT JOINT AT WEST ABUTMENT  
(EAST ABUTMENT SIMILAR)



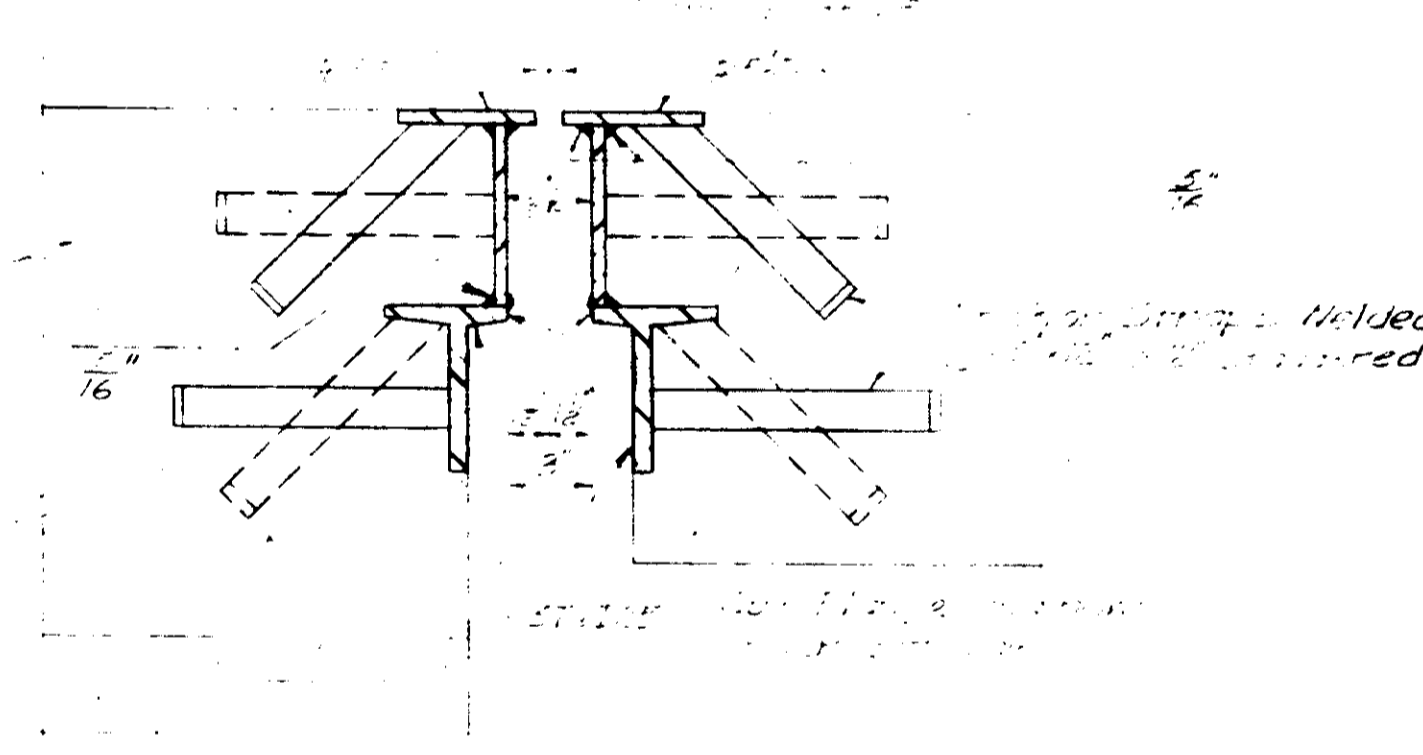
SECTION X-X  
Scale 1/2" = 1'-0"



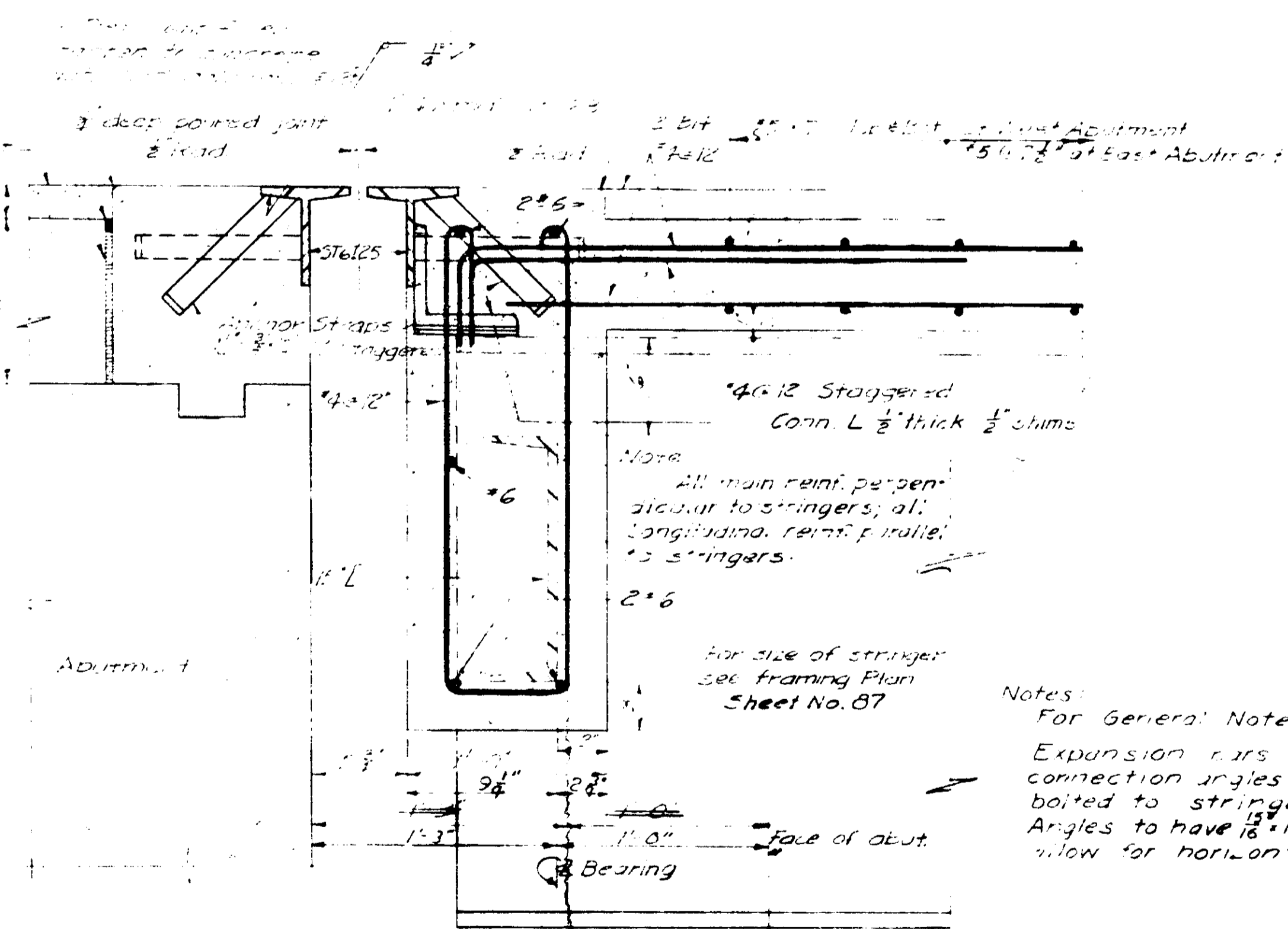
DETAILS OF JOINT AT WEST PIER



SECTION A-A  
Scale 1/2" = 1'-0"



SECTION B-B  
Scale 1/2" = 1'-0"

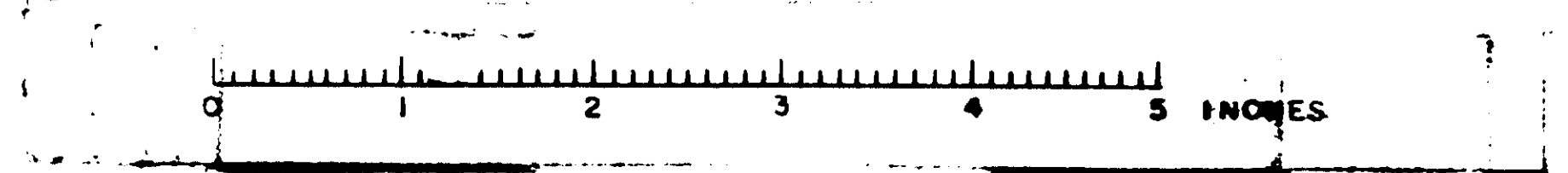


SECTION C-C  
Scale 1/2" = 1'-0"

4x12 Staggered Conn L 1/2" thick 1/2" chime  
 Note: All main reinf. perpendicular to stringers, all longitudinal reinf. parallel to stringers.  
 2" x 6"  
 For size of stringer see framing plan Sheet No. 87  
 Notes: For General Notes see Sheet No. 87  
 Expansion rails to be welded to connection angles and angles in turn bolted to stringers with 3/8" bolts. Angles to have 1/8" x 1/8" slotted holes to allow for horizontal adjustment.

DES.	H.V. J.V.		
DR.	E.D.S.		
TR.	E.D.S.		
CHK.	H.K.K.	1. 11/25 Revised CS built	J.R.C. J.A.D. L.B.T.
APP.	H.W.		

STATE HIGHWAY COMMISSION BRIDGE DIVISION AUGUSTA, MAINE	
FORE RIVER BRIDGE PORTLAND - SOUTH PORTLAND, MAINE	
SOUTH PORTLAND INTERCHANGE OVERPASS JOINT DETAILS	
SHEET NO. 88 OF 102	SCALE: AS SHOWN



F.R.A. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE			

**SCOPE OF WORK**

REMOVE EXISTING WEARING SURFACE.  
 REMOVE, RELOCATE & INSTALL ARMORED JOINTS AS DESCRIBED. PLACE NEW CONCRETE WEARING SURFACE.  
 INSTALL SEALS, PAINT STRUCTURE.

**BILL OF MATERIALS**

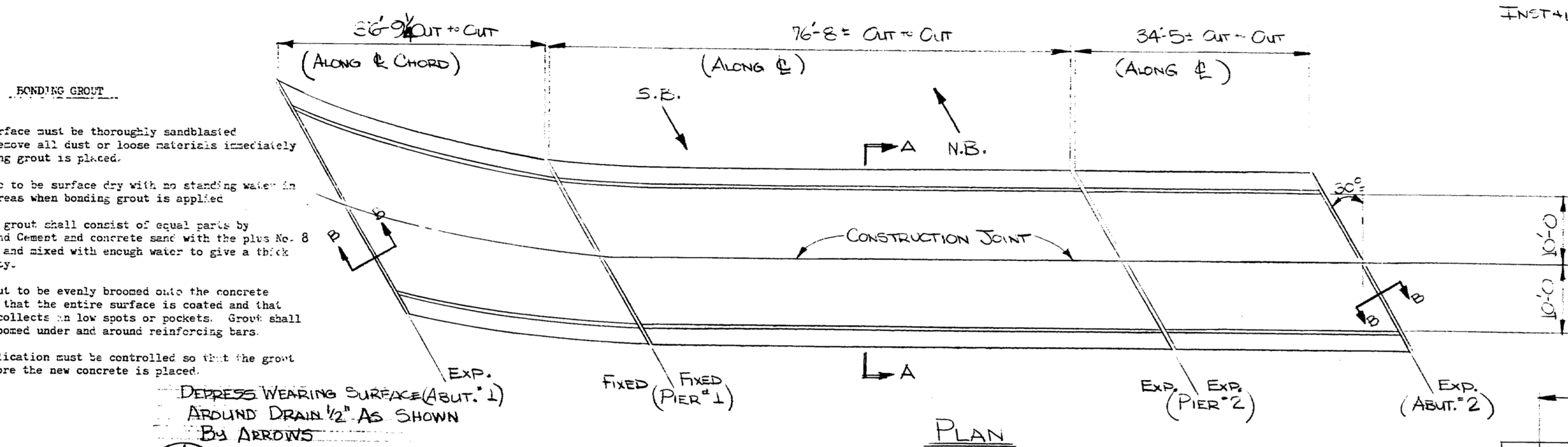
2 REG'D #5@18" x 8'0" (NO PAINT) (CURBS)  
 5 REG'D #5@6" x 14'0" (NO PAINT) (RDWY PIERS)  
 3 REG'D #5@6" x 17'0" (NO PAINT) (CURBS)  
 100 - BAR #1 x 1/4" x 1'0" (KEEPERS) (NO PAINT)  
 150 - 1/2" x 6" MACH. BOLTS  
 2 - PREFORMED SEALS ~ 1 1/2" x 5 1/4" x 32'0" (J-125)  
 1 - " " " " ~ 1 1/2" x 1 1/2" x 32'0" (J-162)  
 1 - " " " " ~ 3 1/2" x 3 1/2" x 32'0" (J-350)

**EST. CONCRETE**

150' x 20' x .25' = 27.7 Say 28 yd.<sup>3</sup>  
 27

**GENERAL NOTES**

1. Remove existing wearing surface.
2. If main slab steel is exposed, concrete should be removed under the steel to a depth of 1" minimum.
3. Blast clean the slab before any placement of bonding grout or concrete. NOTE: Slab is to be surface dry before placement of bonding grout.
4. Broom on a layer of bonding grout just prior to placing concrete. See note this sheet for bonding grout specifications.
5. Concrete to be cured using burlap and water or other approved methods.
6. Concrete to be Class "N" and aggregate to be crushed ledge.



**FONDING GROUT**

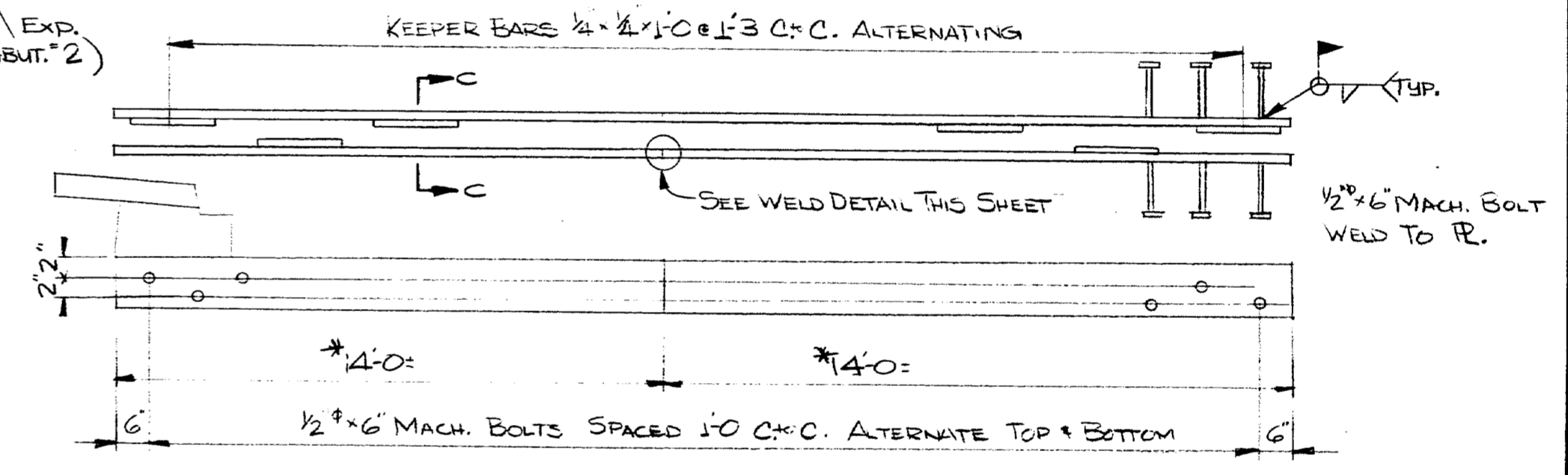
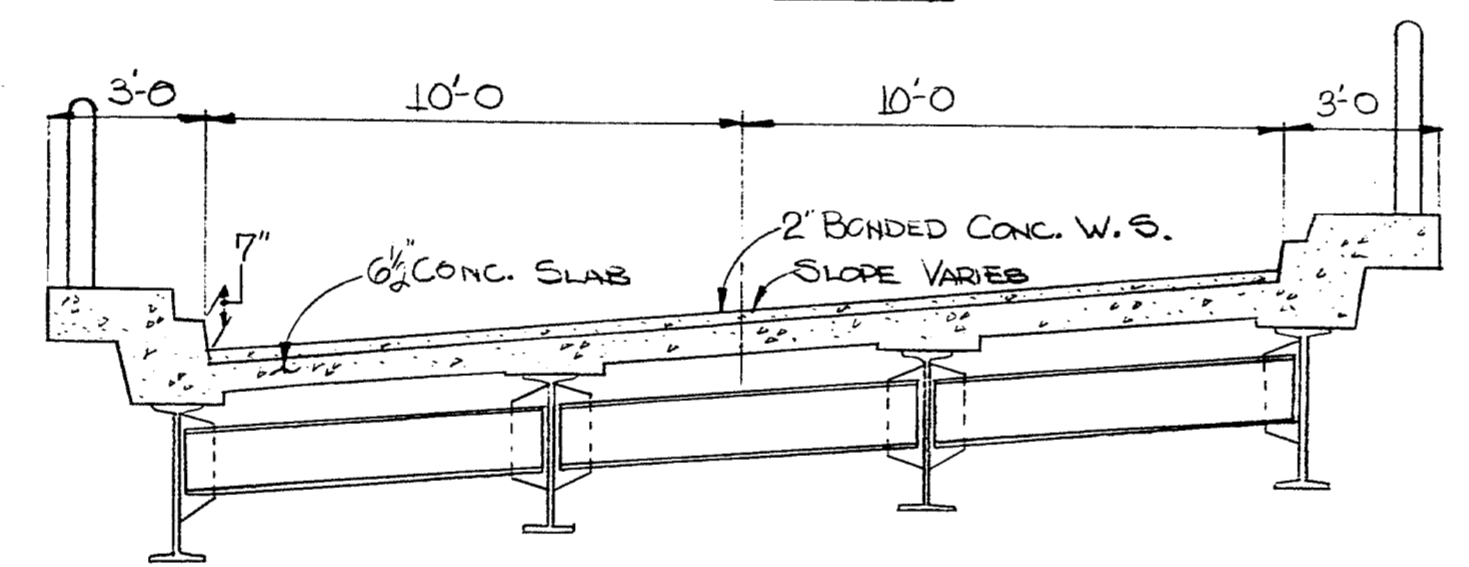
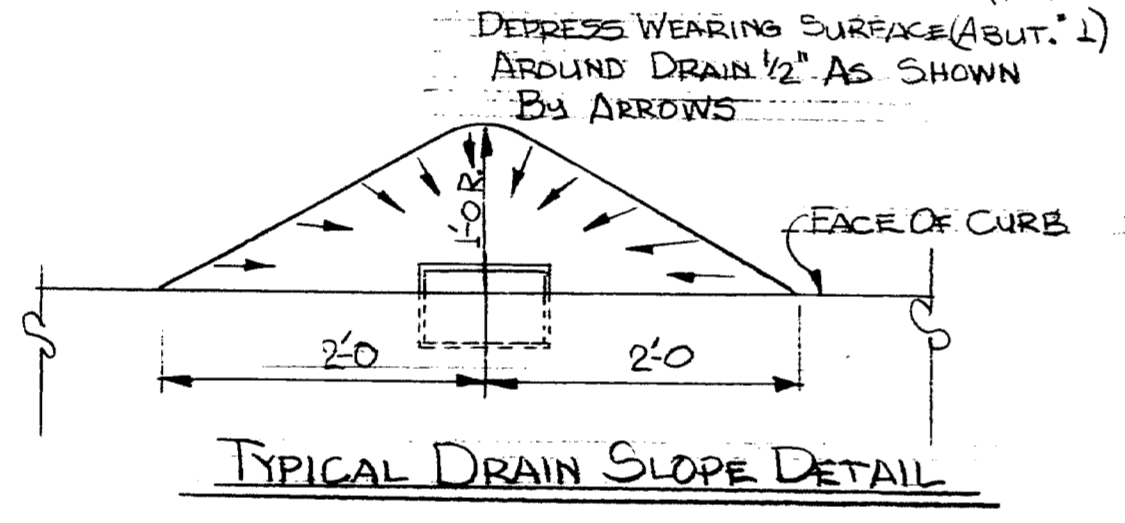
The deck surface must be thoroughly sandblasted and cleaned to remove all dust or loose materials immediately before the bonding grout is placed.

Deck surface to be surface dry with no standing water in pockets or low areas when bonding grout is applied.

The bonding grout shall consist of equal parts by weight of Portland Cement and concrete sand with the plus No. 8 material removed and mixed with enough water to give a thick creamy consistency.

Bonding grout to be evenly broomed onto the concrete surface ensuring that the entire surface is coated and that no excess grout collects in low spots or pockets. Grout shall be thoroughly broomed under and around reinforcing bars.

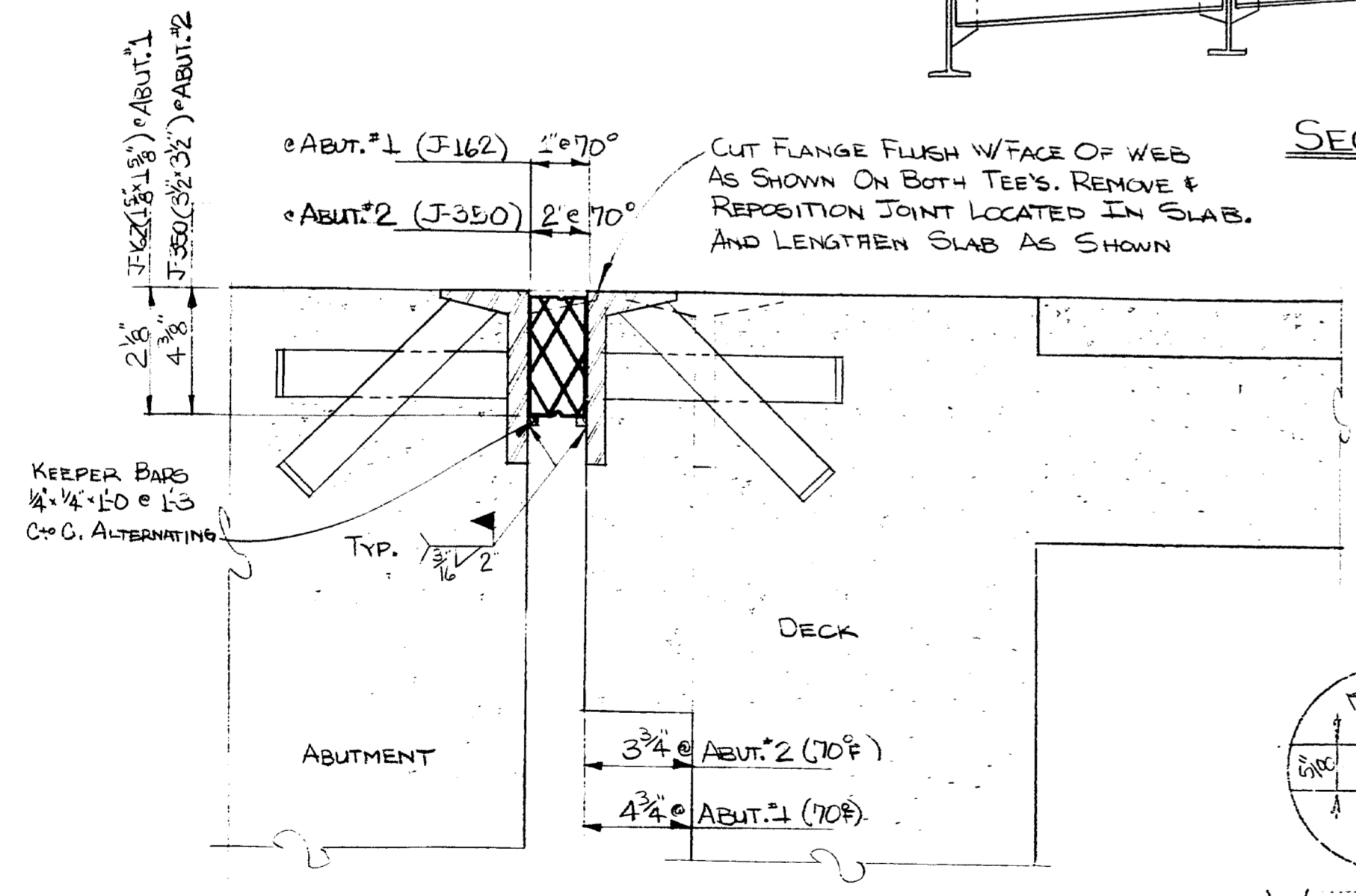
Rate of application must be controlled so that the grout does not dry before the new concrete is placed.



**ARMORED JOINT DETAIL (ROADWAY OVER PIERS)**

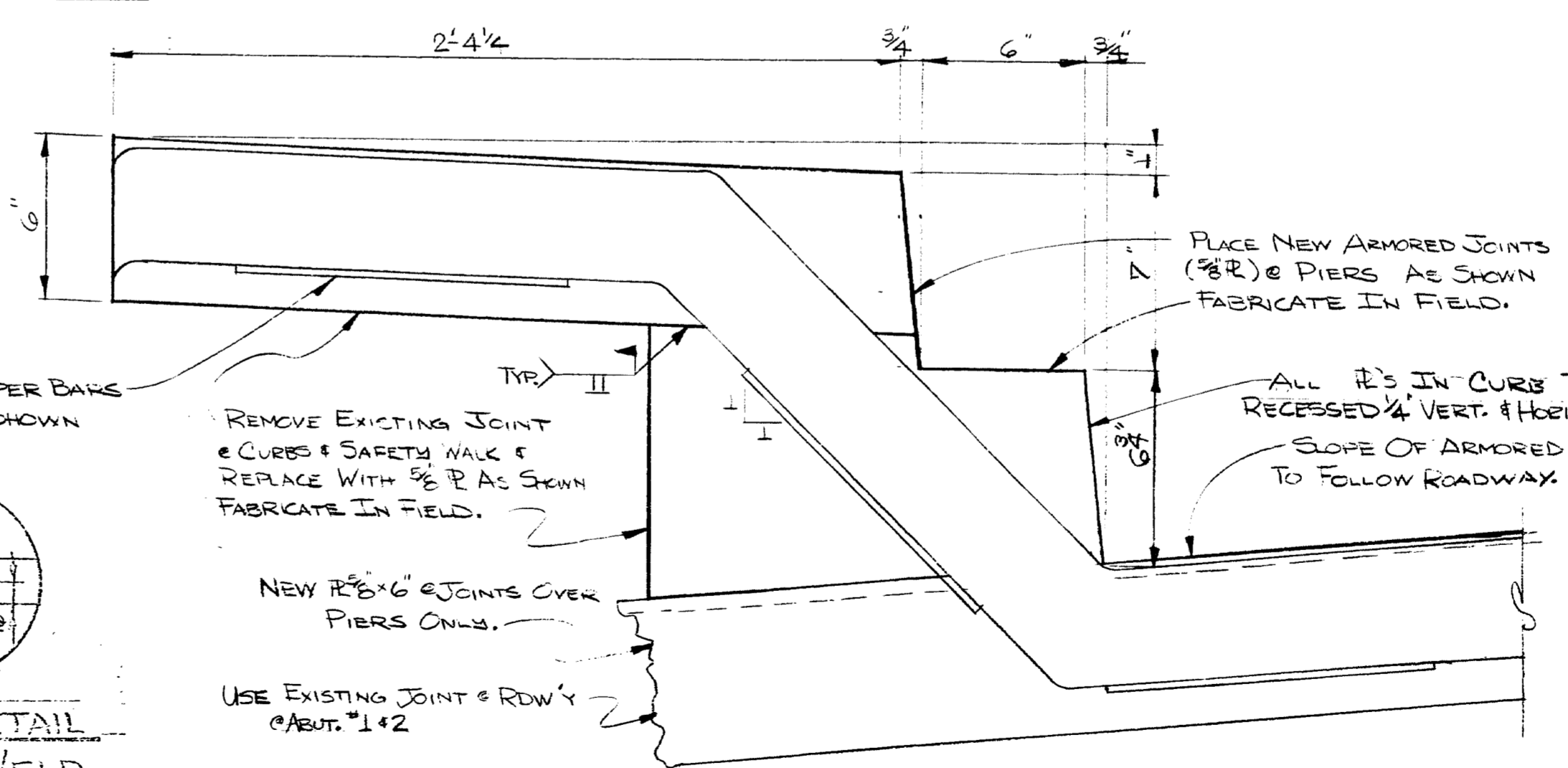
**\*NOTE:**

ABOVE DETAIL IS TO BE USED AS A GENERAL GUIDELINE. EXACT DIMENSIONS ARE TO BE DETERMINED IN THE FIELD. BOTH JOINTS ARE TO BE FABRICATED IN THE FIELD.

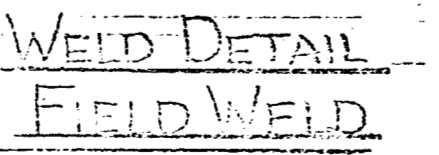


**SECTION B-B**

**SECTION A-A**



**TYPICAL JOINT DETAIL @ SAFETYWALK**



**WELD DETAIL FIELD WELD**

PROJECT DESIGN ENGINEER	DATE
BY	2/2/82
DESIGN - DETAILED	
REVISIONS	
FIELD CHANGES	

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION  
 #G199  
 SO. PORTLAND .  
 OVER  
 INTERCHANGE OP.  
 IN THE TOWN OF  
 SO. PORTLAND  
 IN  
 CUMBERLAND CO.  
 W.S., ARMORED JOINTS & SEALS  
 SHEET 1 OF 1 AUGUSTA, MAINE 6-16-82

178-116