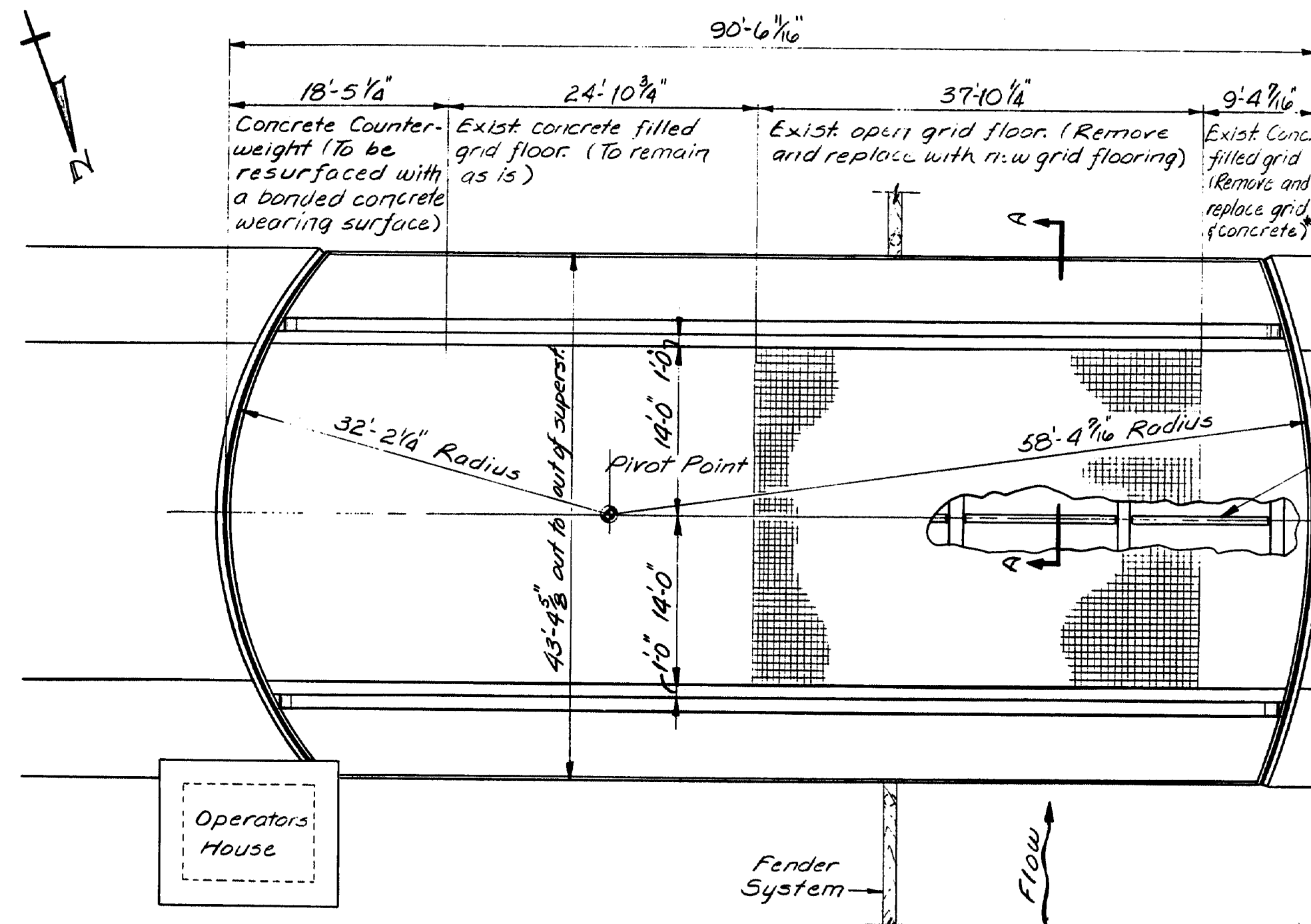
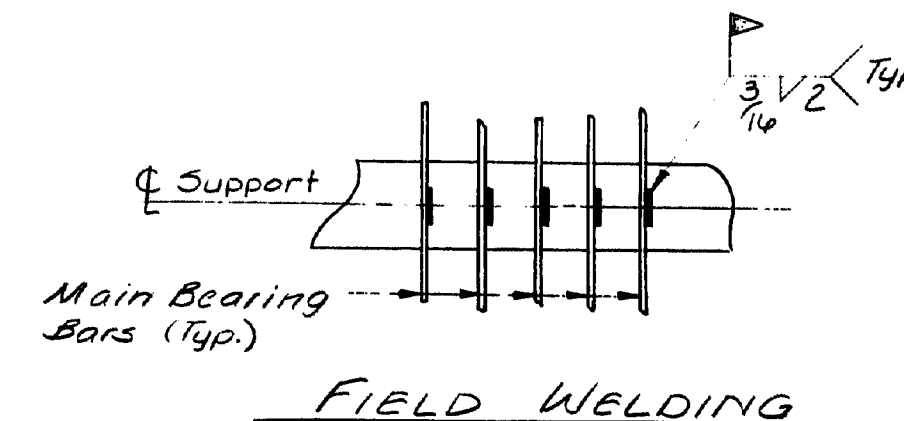


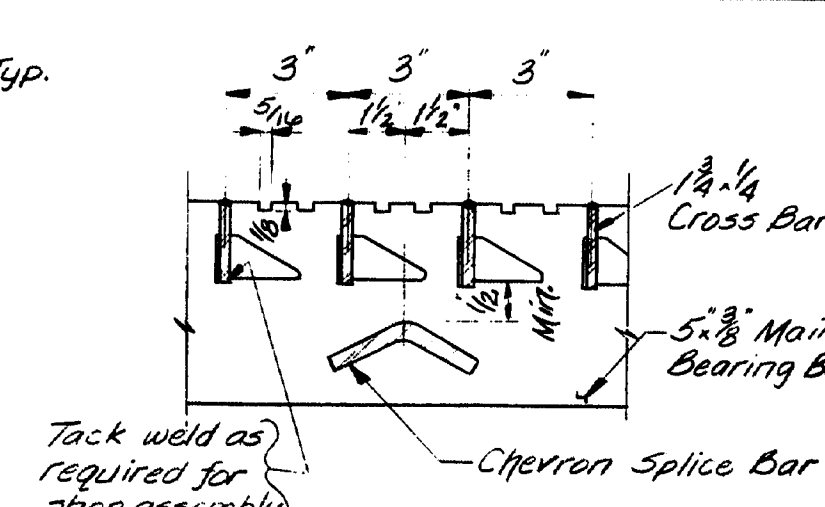
F.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	2047	1	1



***NOTE**
Place new concrete after grid has been installed

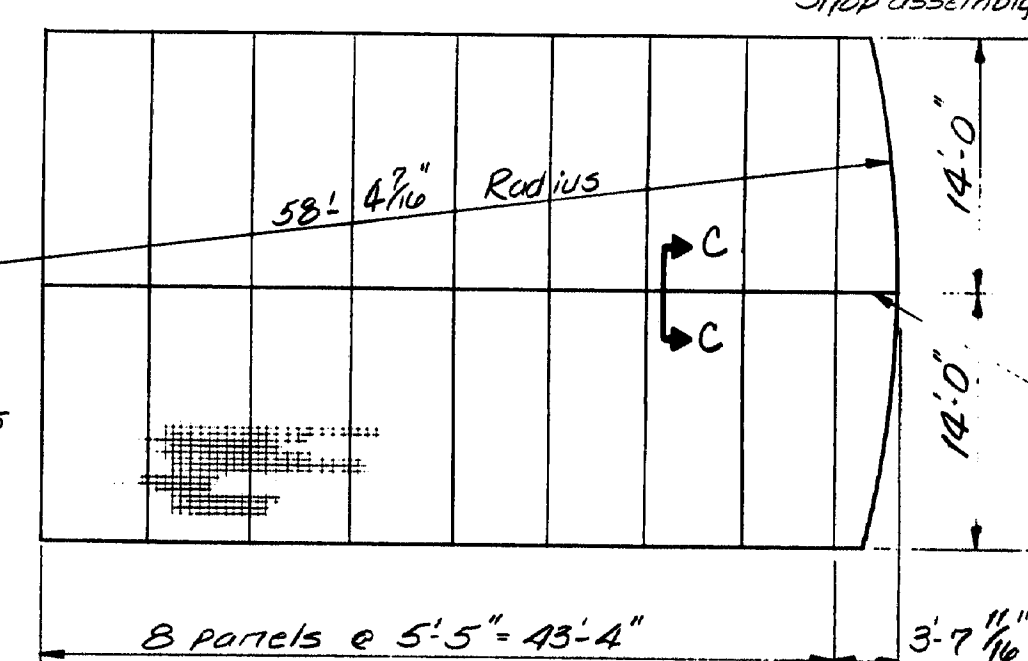


FIELD WELDING

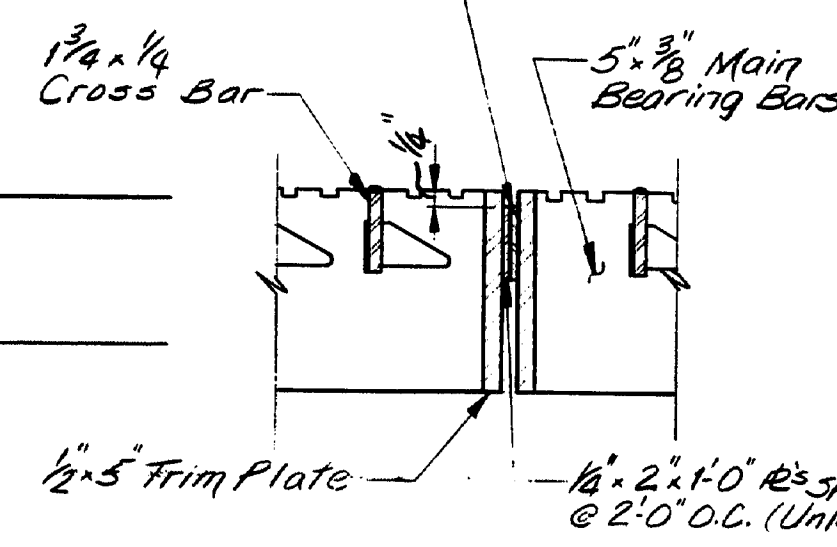


SECTION B-B

Severation shape may vary per manufacturer

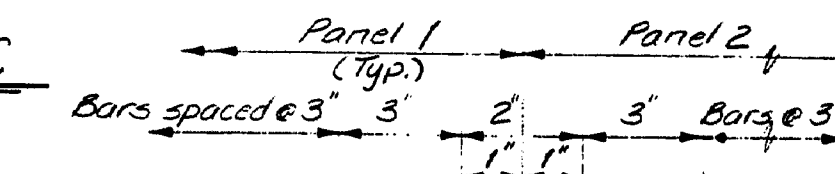


PANEL LAYOUT



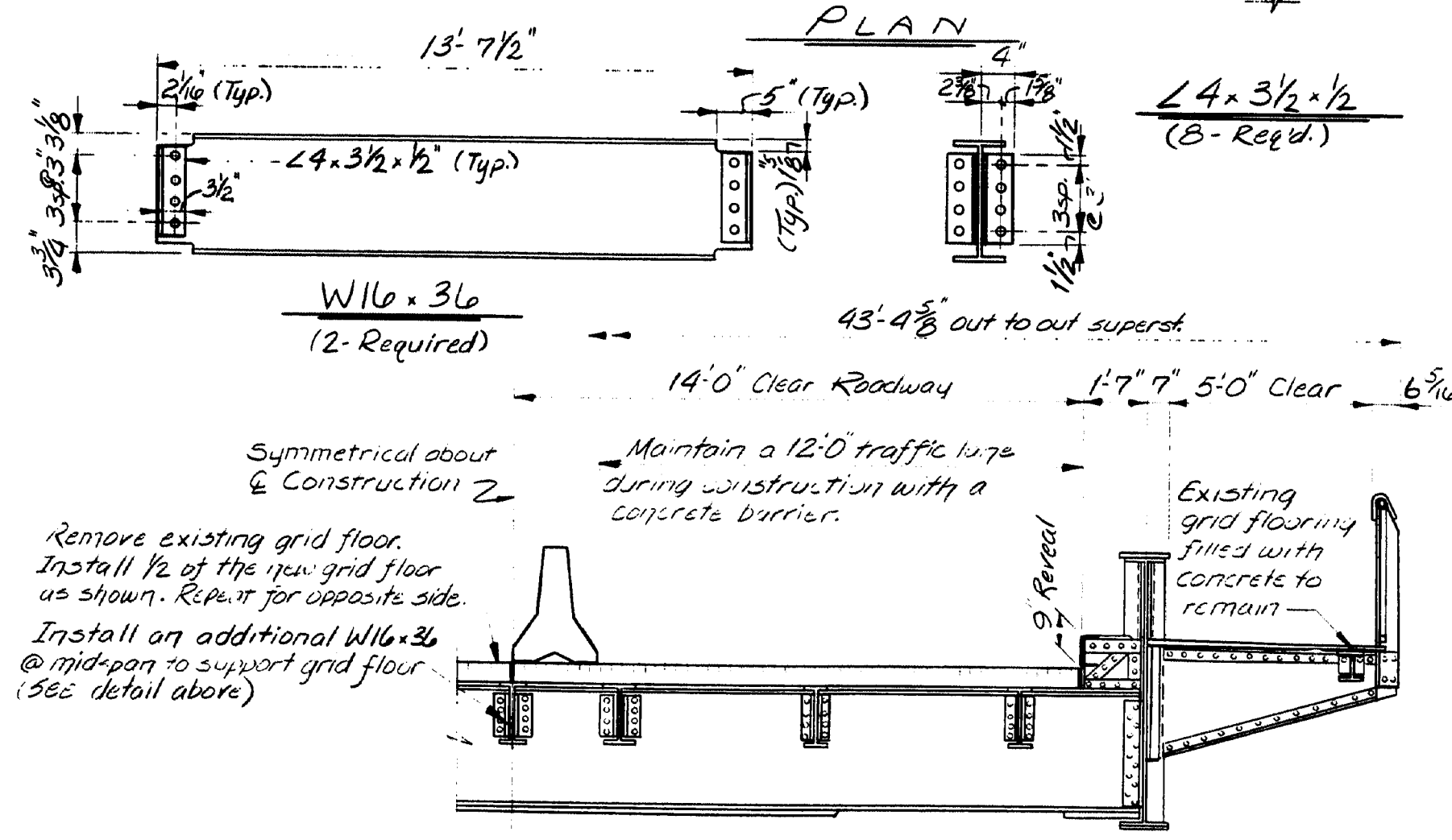
SECTION C-C

(Typ. for all panels unless noted)



GRID FLOOR SECTION DETAIL

111-50



HALF TRANSVERSE SECTION A-A

BONDING GROUT NOTES

The deck surface must be thoroughly sandblasted and cleaned to remove all dust or loose materials immediately before 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 #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, including face of curb to the finish grade of the wearing surface, is coated and that no excess grout collects in low spots or pockets. Grout shall be thoroughly broomed under and around reinforcing bars.

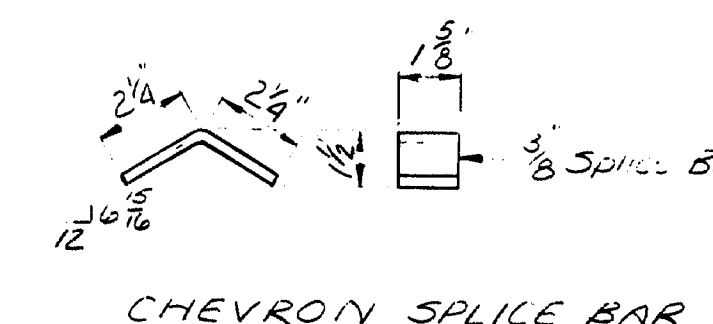
Rate of application must be controlled so that the grout does not dry before the new concrete is placed.

GENERAL NOTES

1. Remove existing wearing surface.
2. If main reinforcing 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 bonding grout notes this sheet.
5. Concrete to be cured using burlap and water.
6. Concrete to be Class AA and aggregate to be crushed ledge.
7. Minimum cover to be 2" unless otherwise noted.
8. Chamfer all exposed edges of concrete 1/2" unless otherwise noted.
9. Any exposed concrete shall be thoroughly cleaned before placing new concrete.

SCOPE OF WORK

Install a new bonded concrete wearing surface on the counterweight, matching the existing grade. Remove and replace steel grid flooring as noted. Fill grid with concrete as noted.

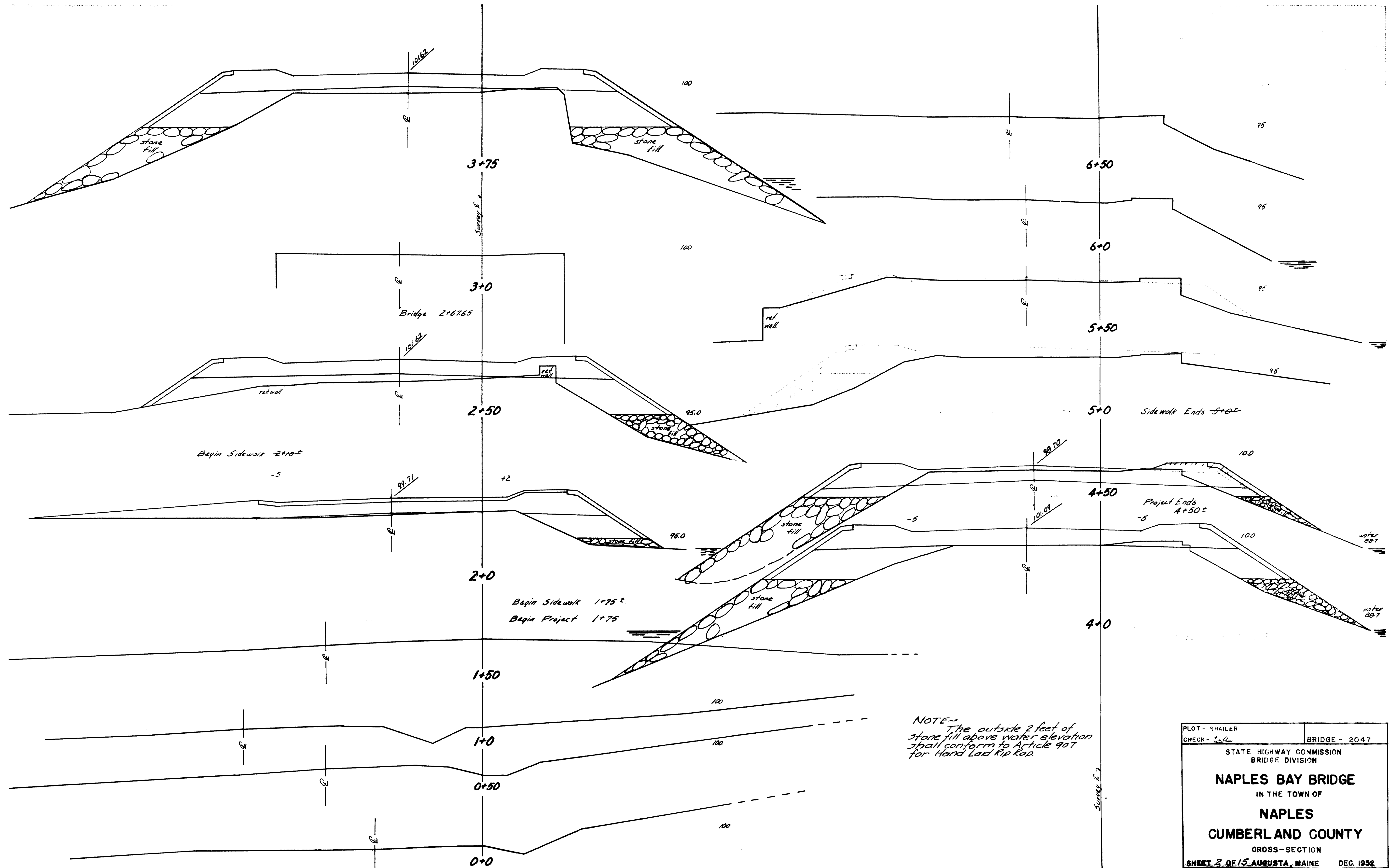


CHEVRON SPLICE BAR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
NAPLES BAY BRIDGE
OVER
CHUTES RIVER
IN
NAPLES
CUMBERLAND COUNTY
GENERAL PLAN
SHEET 1 OF 1 AUGUSTA, MAINE June, 1988

PROJECT DESIGN ENGINEER	DATE
BY	6-88
DESIGN - CHECKED	DATE
BY	6-88
REVISIONS	DATE
BY	
FIELD CHANGES	DATE
BY	

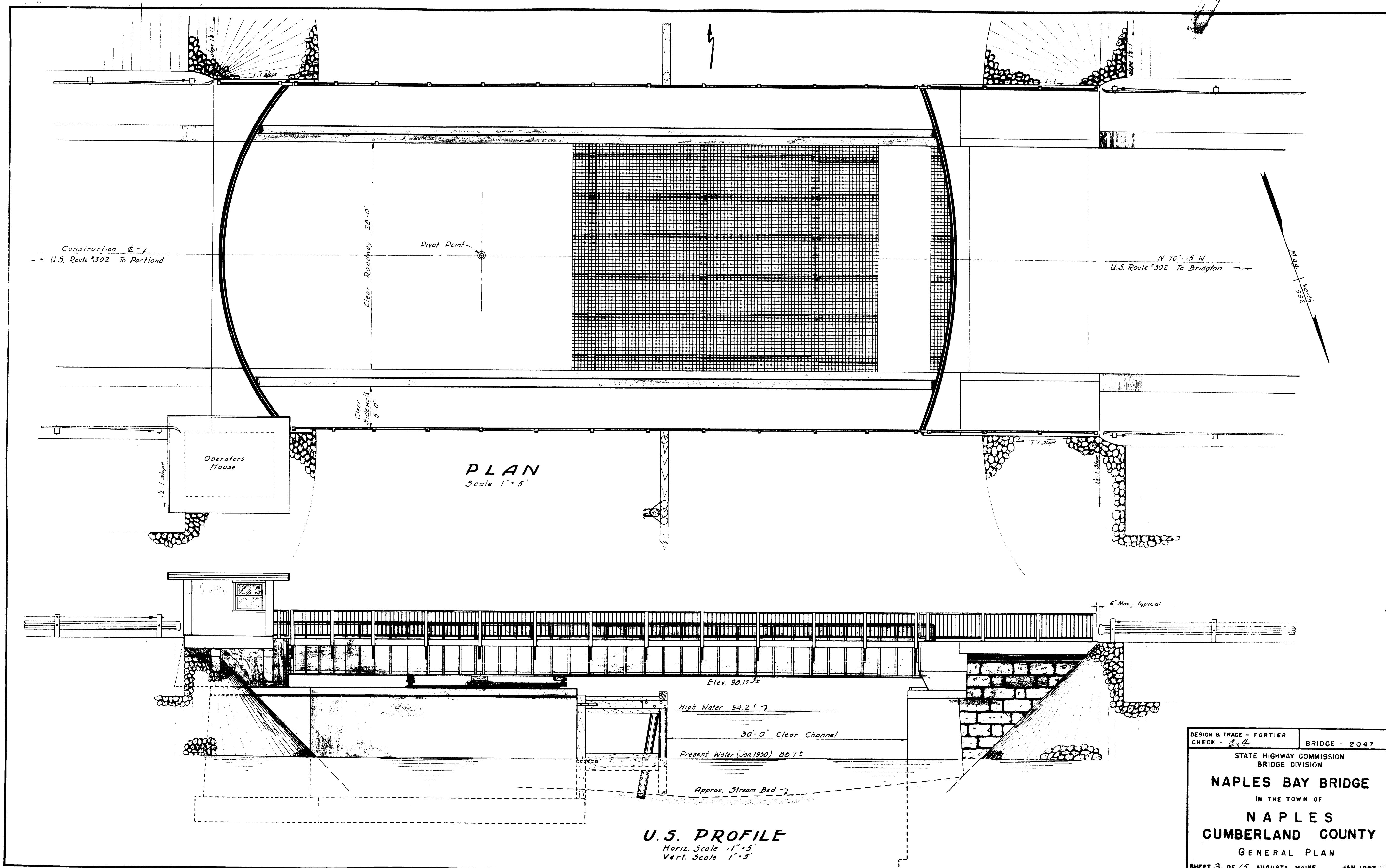
BRUNING 44 132 4510-1



PLOT - SHAILER		BRIDGE - 2047	
CHECK - <i>[Signature]</i>			
STATE HIGHWAY COMMISSION BRIDGE DIVISION			
NAPLES BAY BRIDGE IN THE TOWN OF NAPLES CUMBERLAND COUNTY CROSS-SECTION			
SHEET 2 OF 15 AUGUSTA, MAINE DEC. 1952			

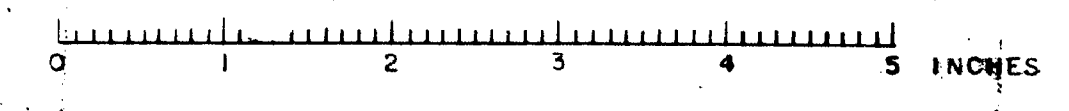
59-127

0 1 2 3 4 5 INCHES

















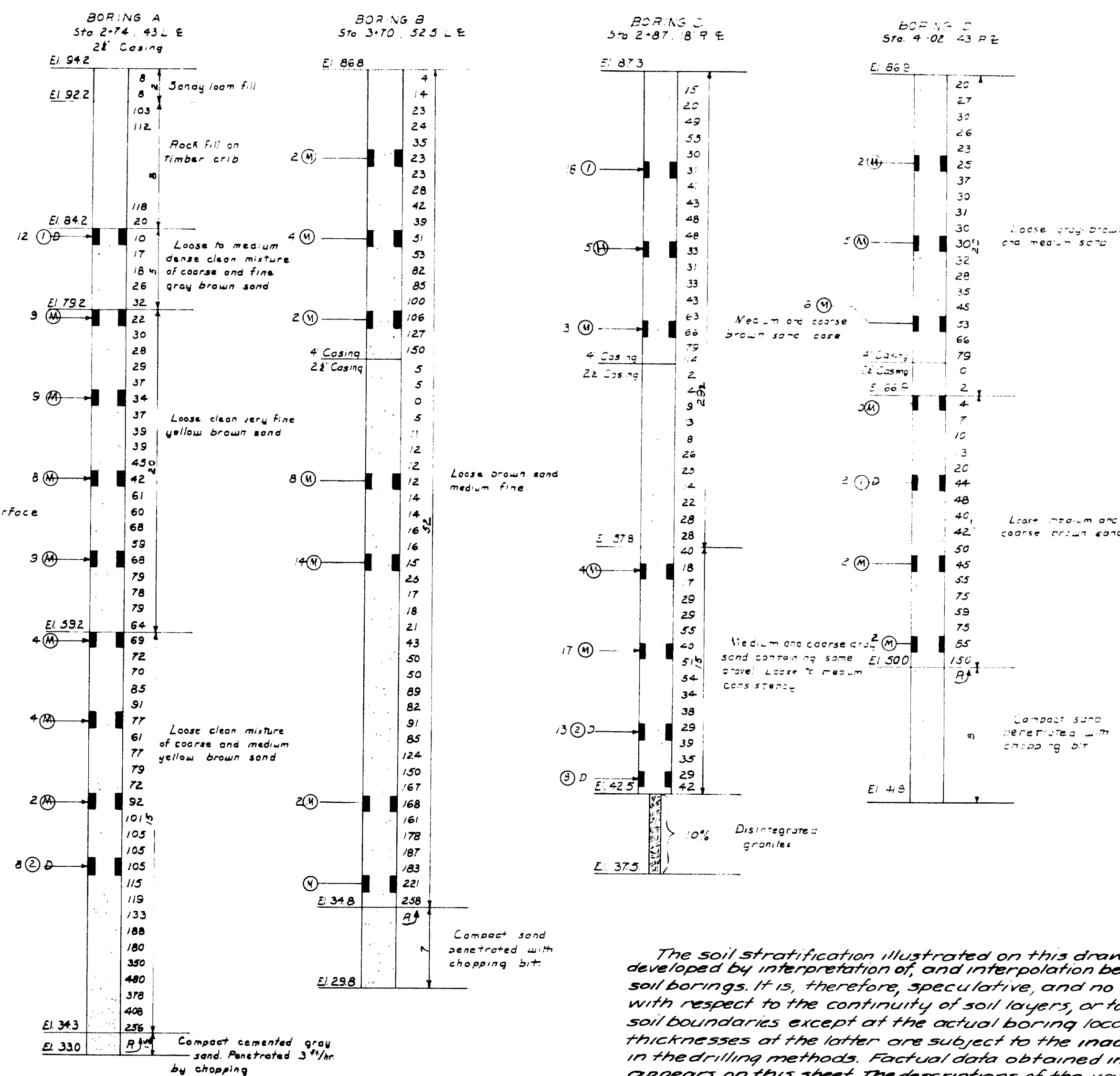
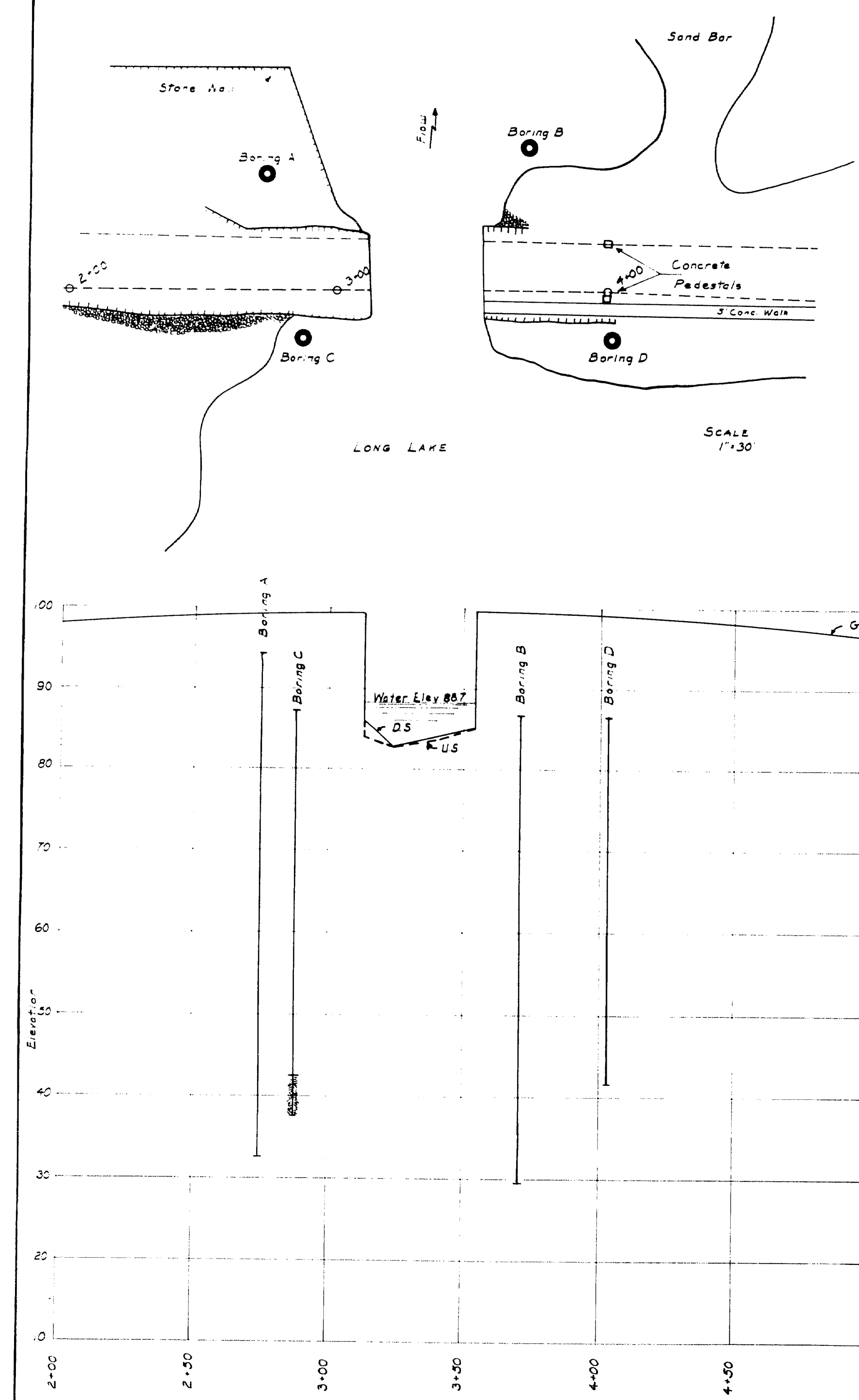
DESIGN & TRACE - FORTIER	BRIDGE - 2047
CHECK - <i>CE</i>	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NAPLES BAY BRIDGE	
IN THE TOWN OF	
NAPLES	
CUMBERLAND COUNTY	
GENERAL PLAN	
SHEET 3 OF 15 AUGUSTA, MAINE JAN. 1953	

59-128



BORING NOTES

1. Scales as noted on drawings.
2. Casing size as noted on drawing.
3. Ground water table indicated thus: 
4. Number of blows of 275 lb hammer falling 25 ft required to drive extra heavy and foot indicated thus: 
5. W, S, or F indicate respectively that the soil was washed, sampled, or when tested in situ.
6. Location and designation of large samples taken in S&H sampler #12903 indicated thus: 
7. Location and designation of large samples taken in 30 lb sampler #12903 indicated thus: 
8. Location and designation of large samples taken in 30 lb sampler #12903 indicated thus: 
9. Location and designation of large samples taken in situ: 
10. Unsuccessful attempts to secure any samples indicated thus: 
11. Number of blows of 275 lb hammer falling 25 ft required to drive sampling spoon or sampler indicated thus: 
12. Sampling spoon or sampler driven by static load not exceeding 1 lb indicated thus: 
13. Sampling spoon or sampler driven by static weight of drill rods and 275 lb hammer indicated thus: 
14. Where no resistance is noted as sampling spoon or sampler was driven by the static weight of drill rods.
15. Natural water contents given as percent of dry weight are indicated thus: 
16. Bottom of boring indicated thus: 
17. Refusal of drill rods or casing indicated thus: 
18. Recovery of rock core by wire line diamond bit indicated thus: 

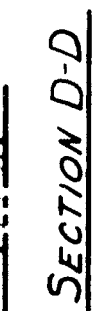
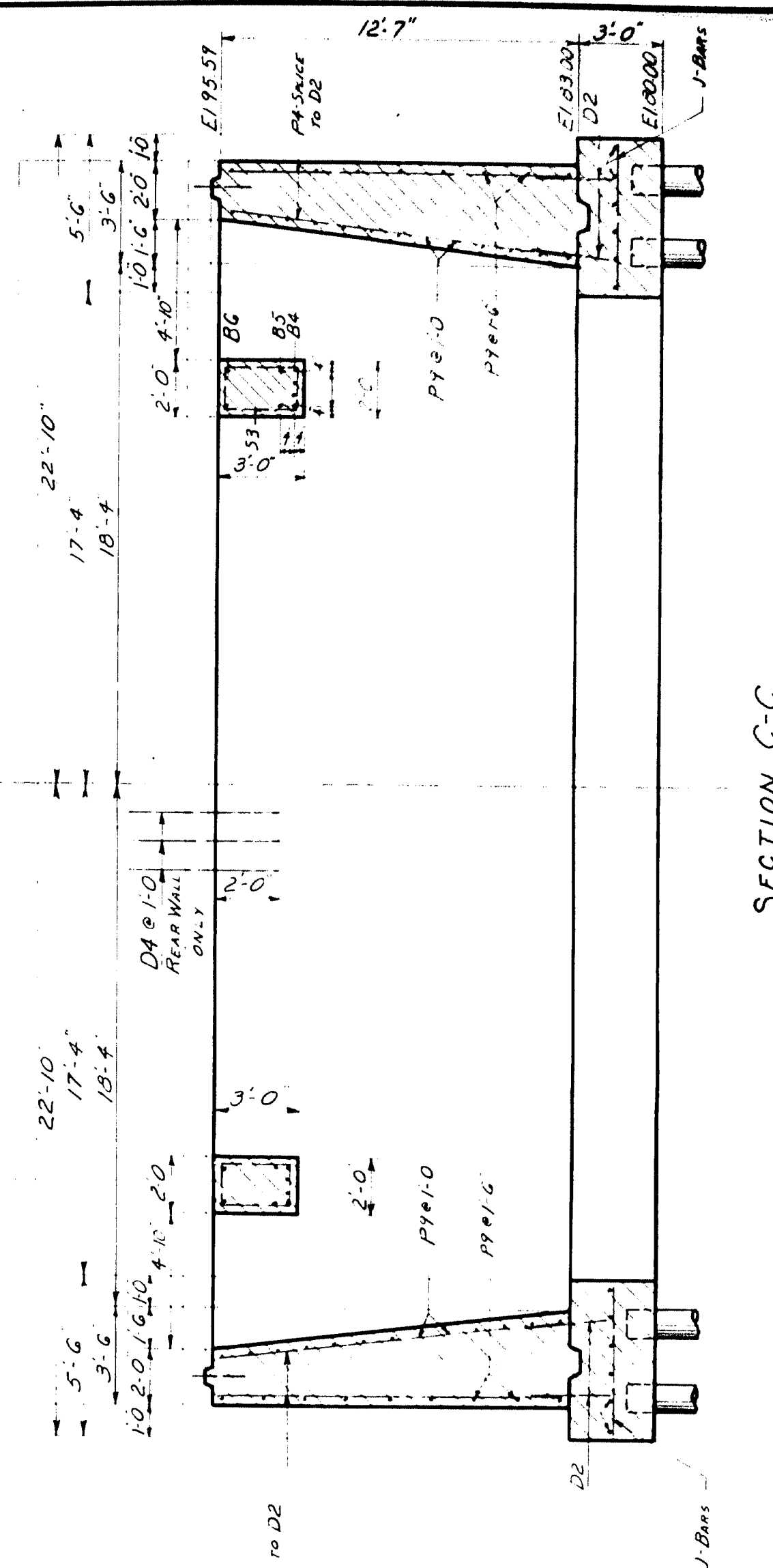
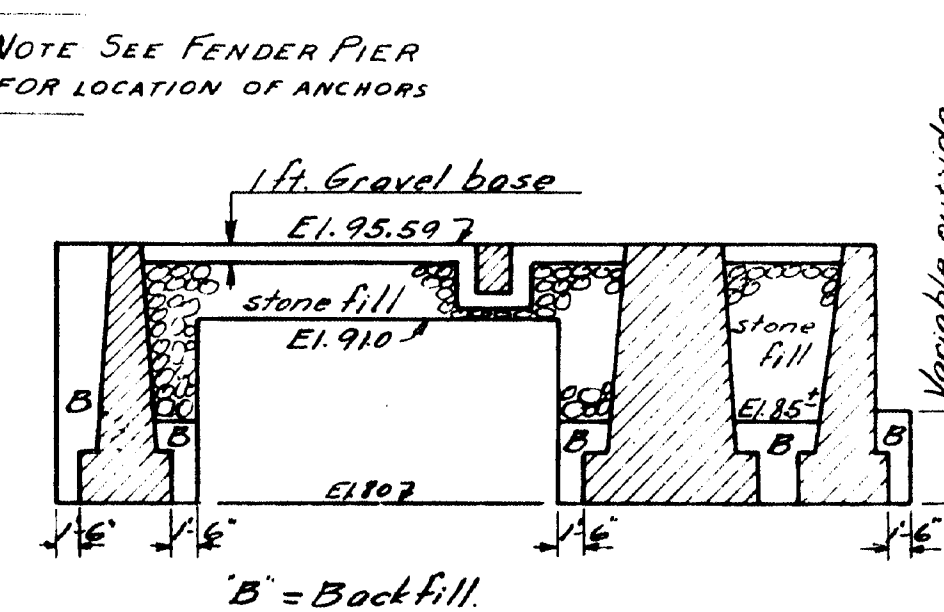
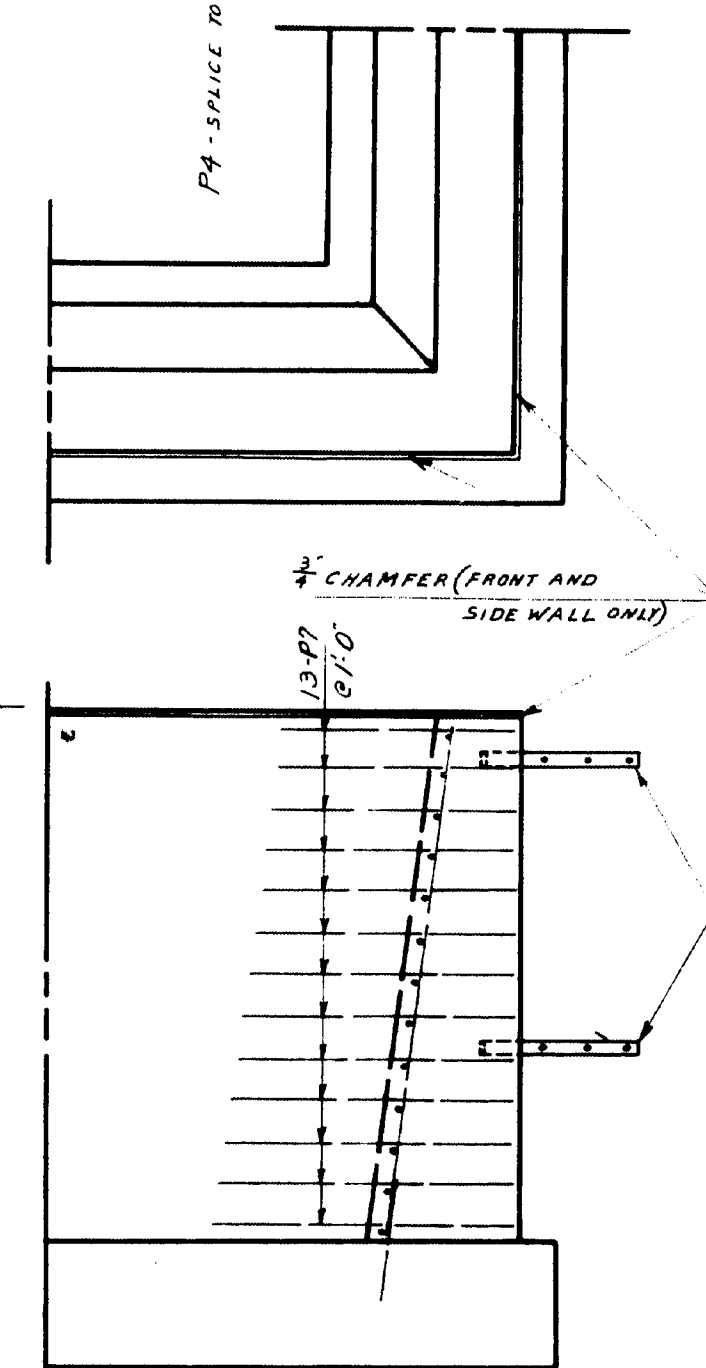
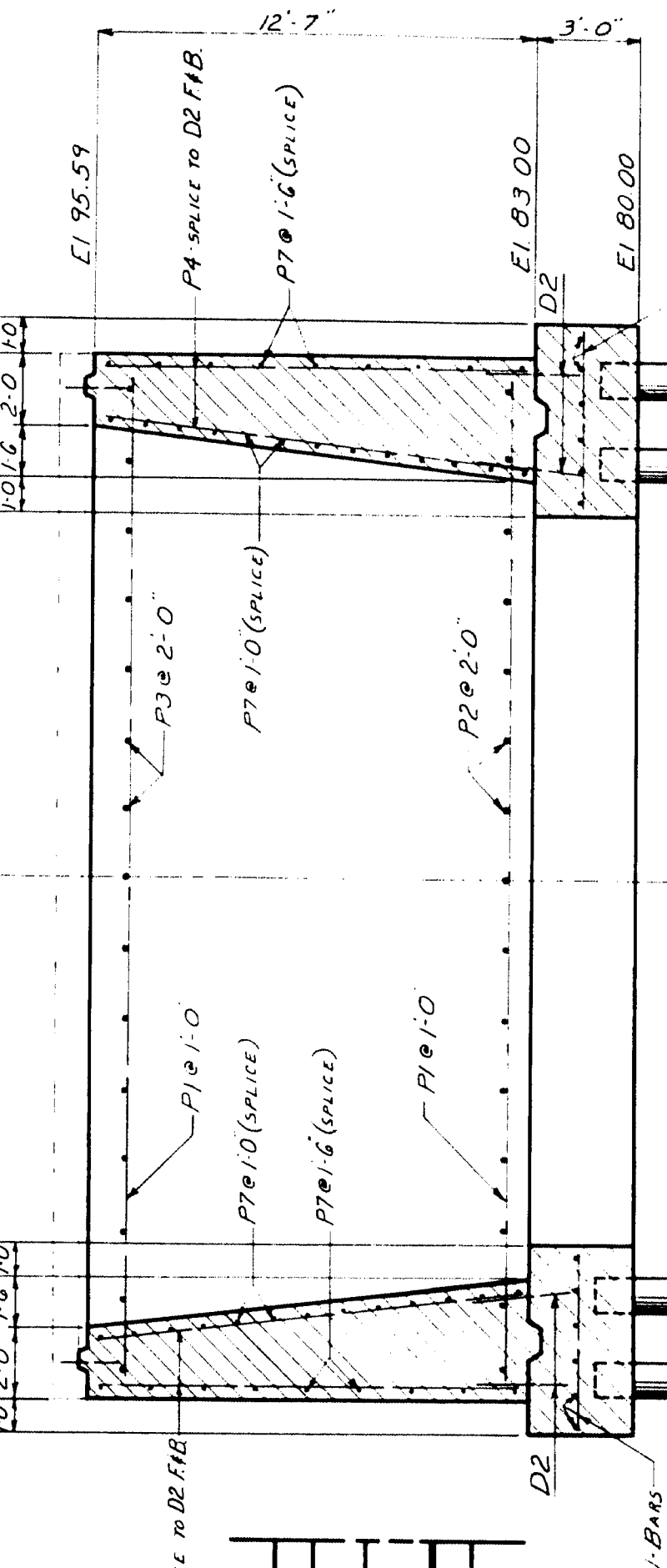
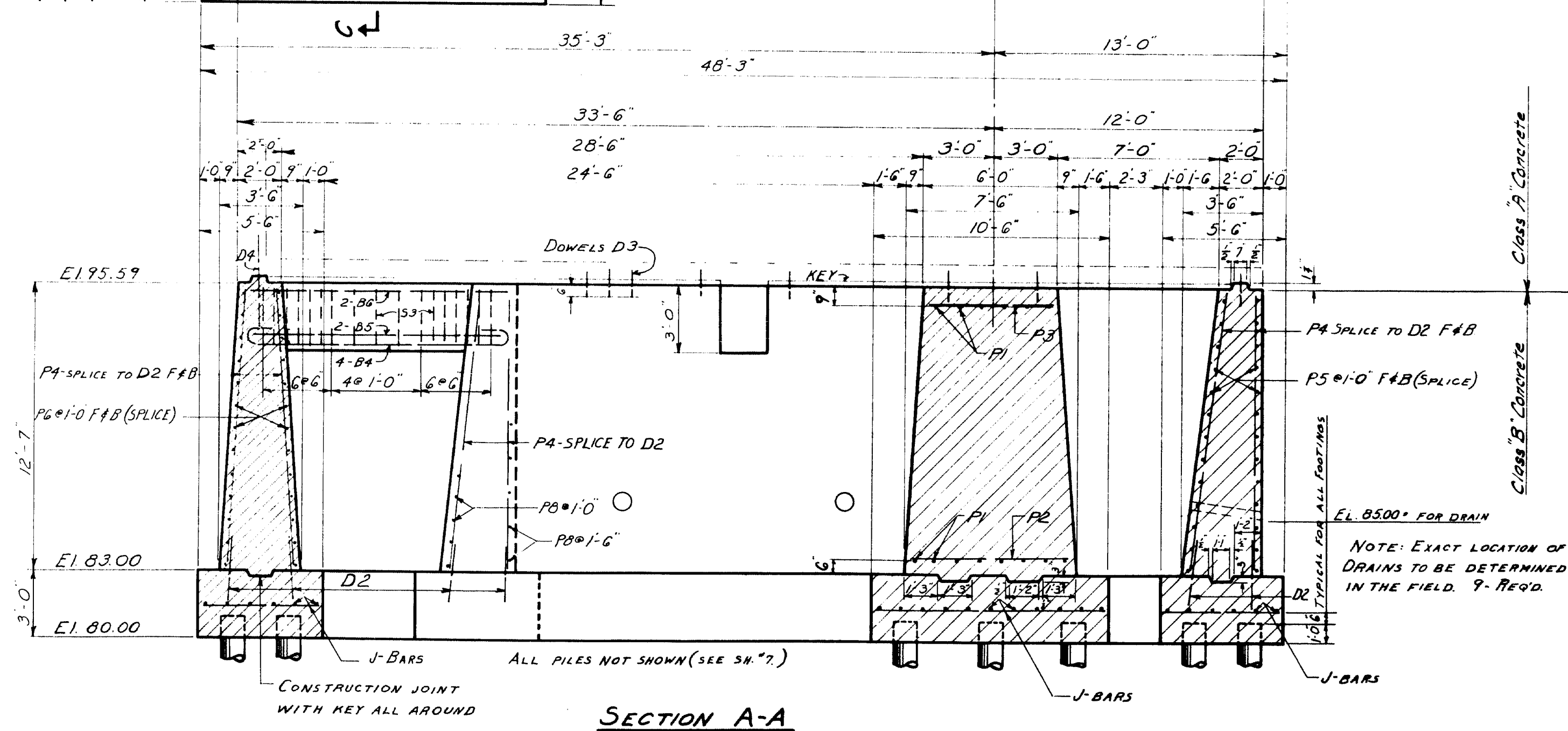
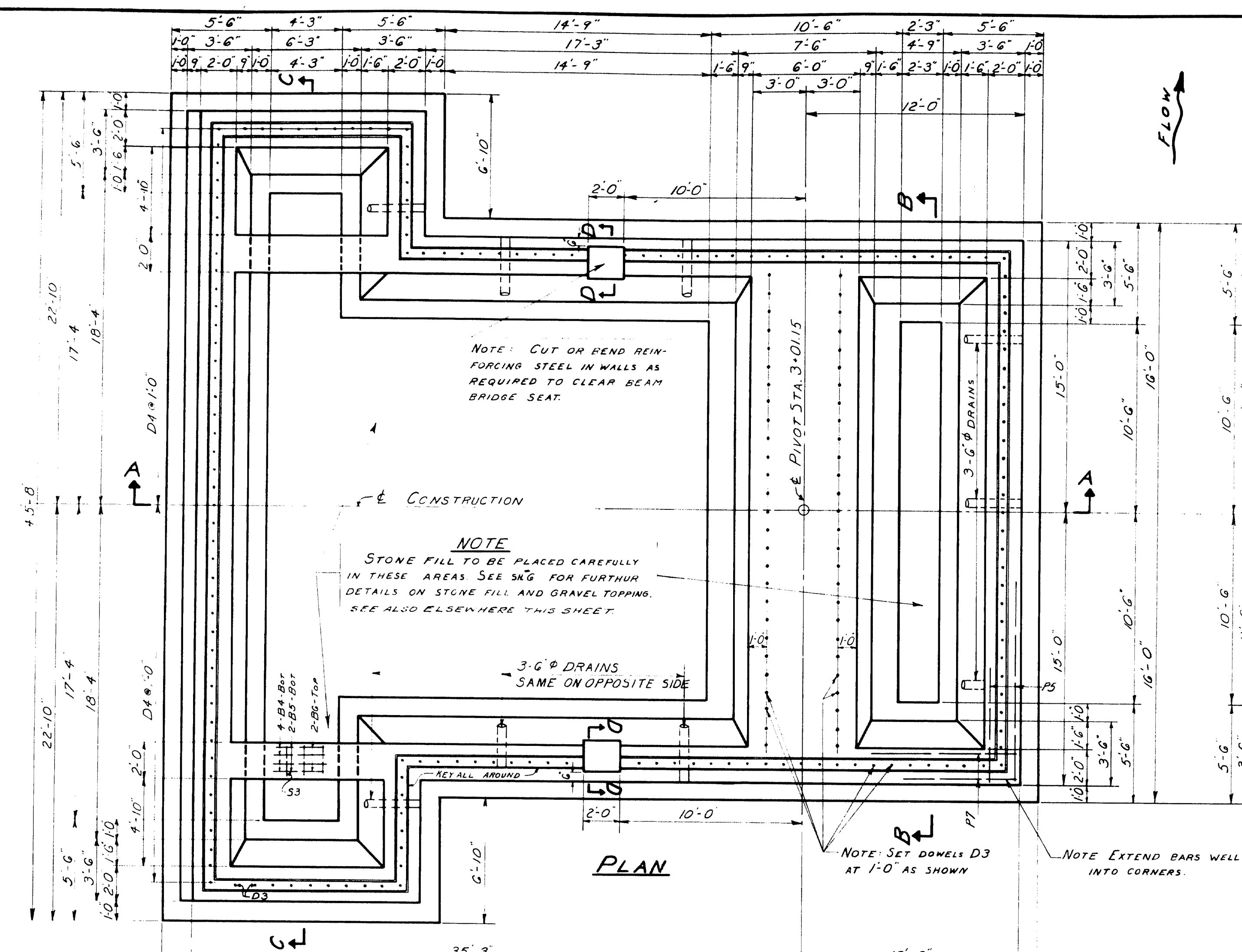


The soil stratification illustrated on this drawing has been developed by interpretation of, and interpolation between, the various soil borings. It is, therefore, speculative, and no warranty is implied with respect to the continuity of soil layers, or to the elevations of the soil boundaries except at the actual boring locations. Depths and thicknesses at the latter are subject to the inaccuracies inherent in the drilling methods. Factual data obtained in making the borings appears on this sheet. The descriptions of the various soil layers are based upon the driller's field classification and upon the engineer's inspection of samples and interpretation of the driller's record.

SOILS ENGINEER - H. GRAY	BRIDGE - 2047
TRACE - JOSE	STATE HIGHWAY COMMISSION
BRIDGE DIVISION	
NAPLES BAY BRIDGE	
IN THE TOWN OF	
NAPLES	
CUMBERLAND COUNTY	
PLAN, PROFILE & BORING LOG	
SHEET # OF 15	AUGUSTA, MAINE JAN. 1963

59-129

0 1 2 3 4 5 INCHES



NOTE: CUT OR BEND REIN-
FORCING STEEL IN WALLS AS
REQUIRED TO CLEAR BEAM
BRIDGE SEAT.

NOTE
L TO BE PLACED CAREFULLY
EAS. SEE SKG FOR FURTHUR
TONE FILL AND GRAVEL TOPPING.
SEWHERE THIS SHEET

3-6" ϕ DRAINS
SAME ON OPPOSITE SIDE

NOTE: SET DOWELS D3
AT 1'-0" AS SHOWN

NOTE EXTEND BARS WELL INTO CORNERS.

NOTE SEE FENDER PIER
FOR LOCATION OF ANCHORS

'B' = Backfill.

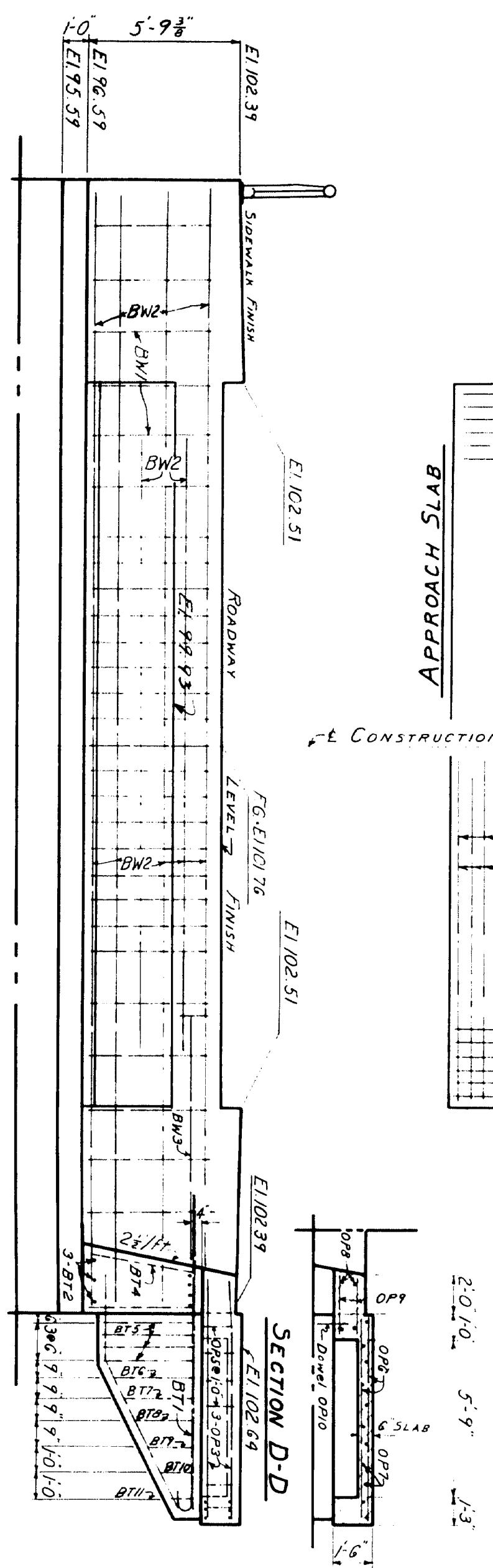
SECT. A-A SHOWING BACKFILL:
No direct payment will be made for backfill.
See Item 206-7 of Specifications.

DESIGN TRACE CHECK	HAMILTON R.L.V.	BRIDGE
STATE HIGHWAY COMMISSION BRIDGE DIVISION NAPLES BAY BRIDGE IN THE TOWN OF NAPLES CUMBERLAND COUNTY ABUT. NO.1		
SHEET 5 OF 15 AUGUSTA, MAINE		JAN. 1953

SHEET 5 OF 15 AUGUSTA, MAINE JAN. 1953

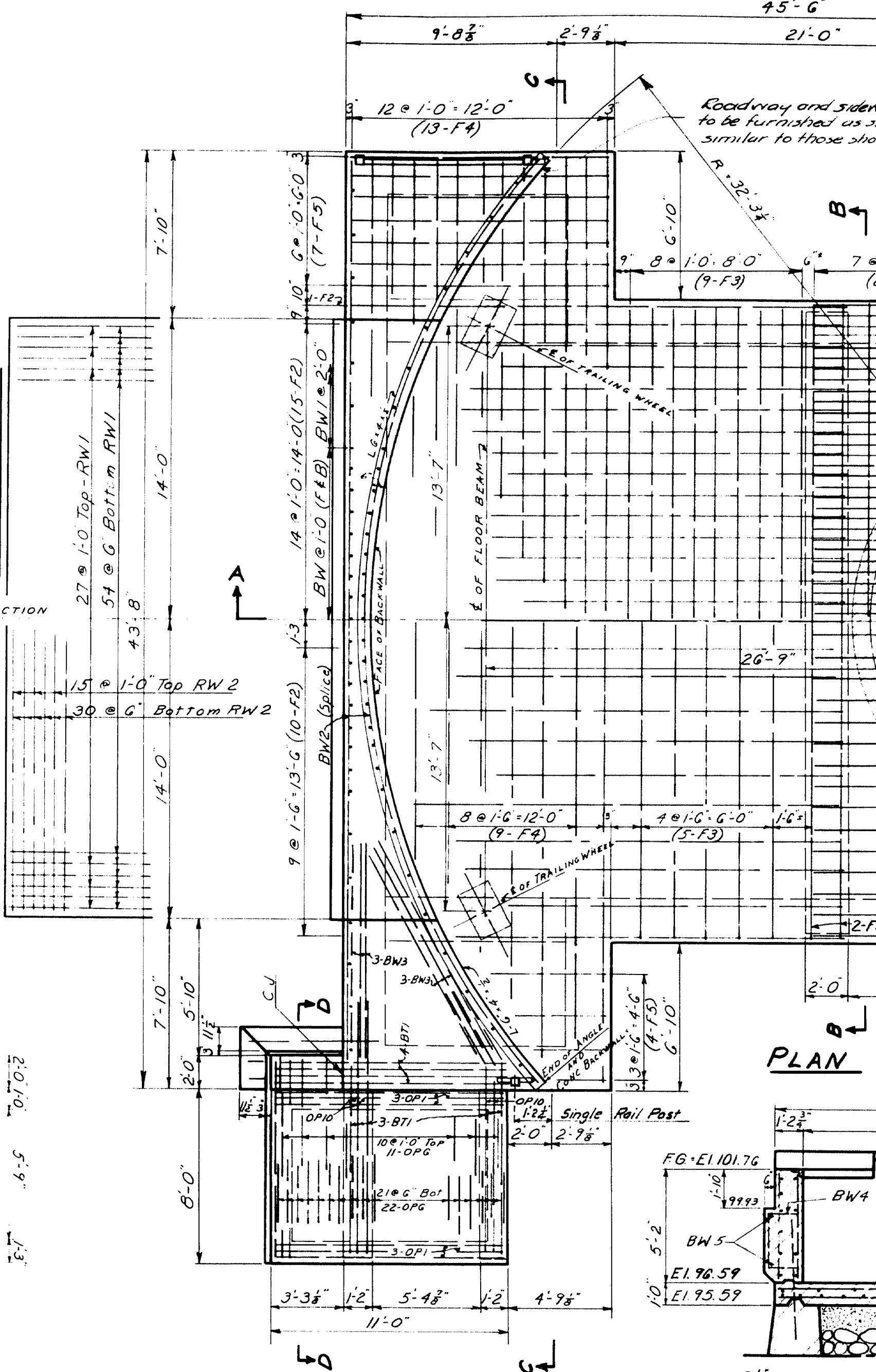
59-130

PART END ELEVATION



ELEVATION END OF BACKWALL

APPROACH SLAB



PLAN

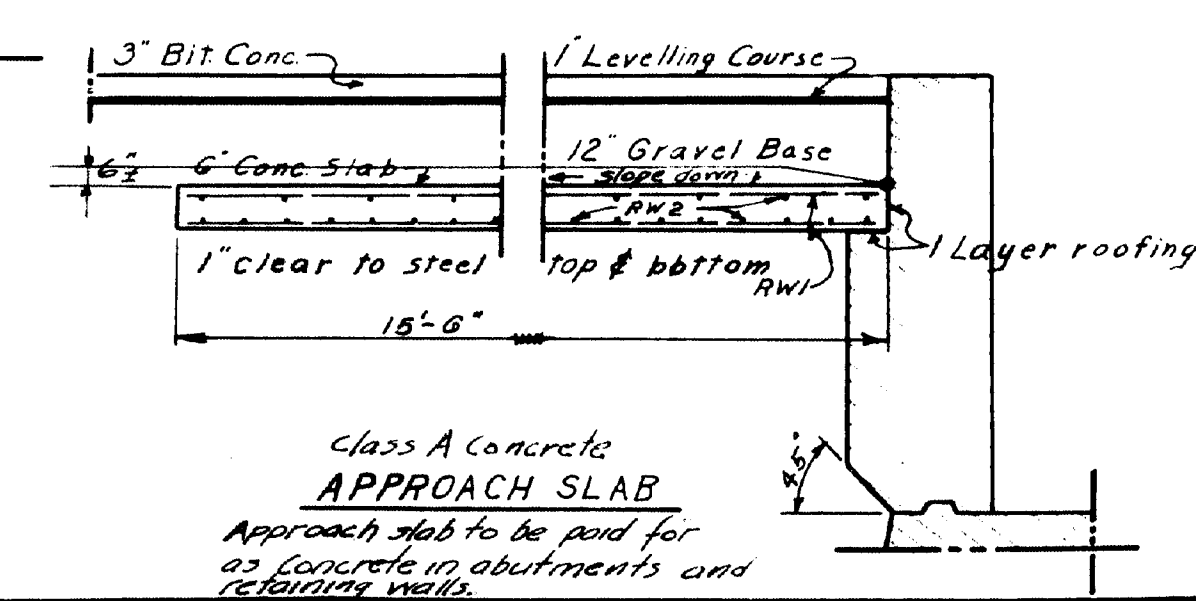
NOTE: DRESS SHADED AREAS 1" LARGER ALL AROUND THAN MASONRY PLATE OR TRACK TO EXACT ELEVATION SHOWN

ANCHOR BOLTS FOR SILL
3/4" x 5" BOLTS WITH WASHERS
AND NUTS - SET @ 2'-0" CTRS.
See Sh. #14 for Op. House.

PART SIDE ELEVATION

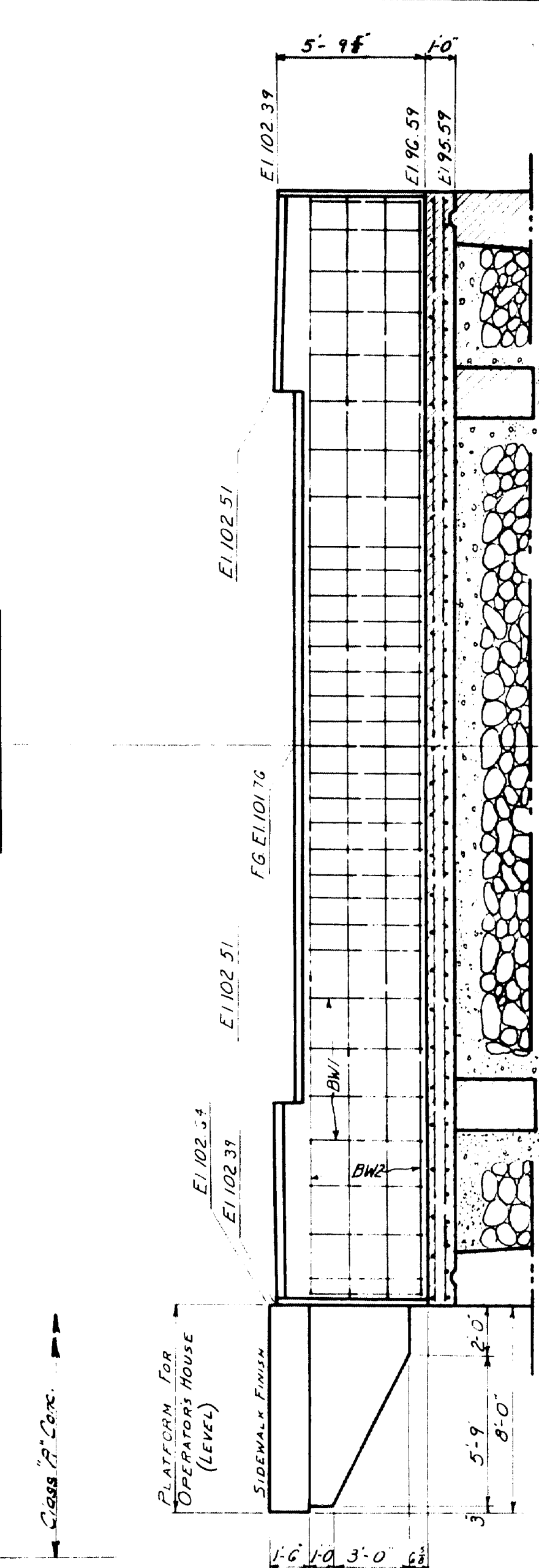
NOTE: USE SHEAR BLOCKS IF BEAM AND SLAB ARE NOT PLACED MONOLITHICALLY

SECTION A-A

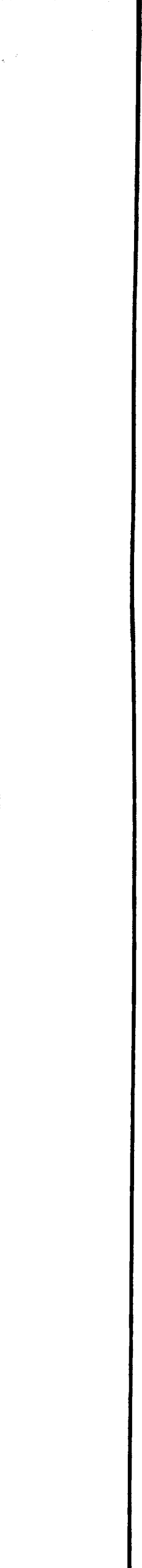


CLASS A CONCRETE
APPROACH SLAB
Approach slab to be paid for as concrete abutments and retaining walls.

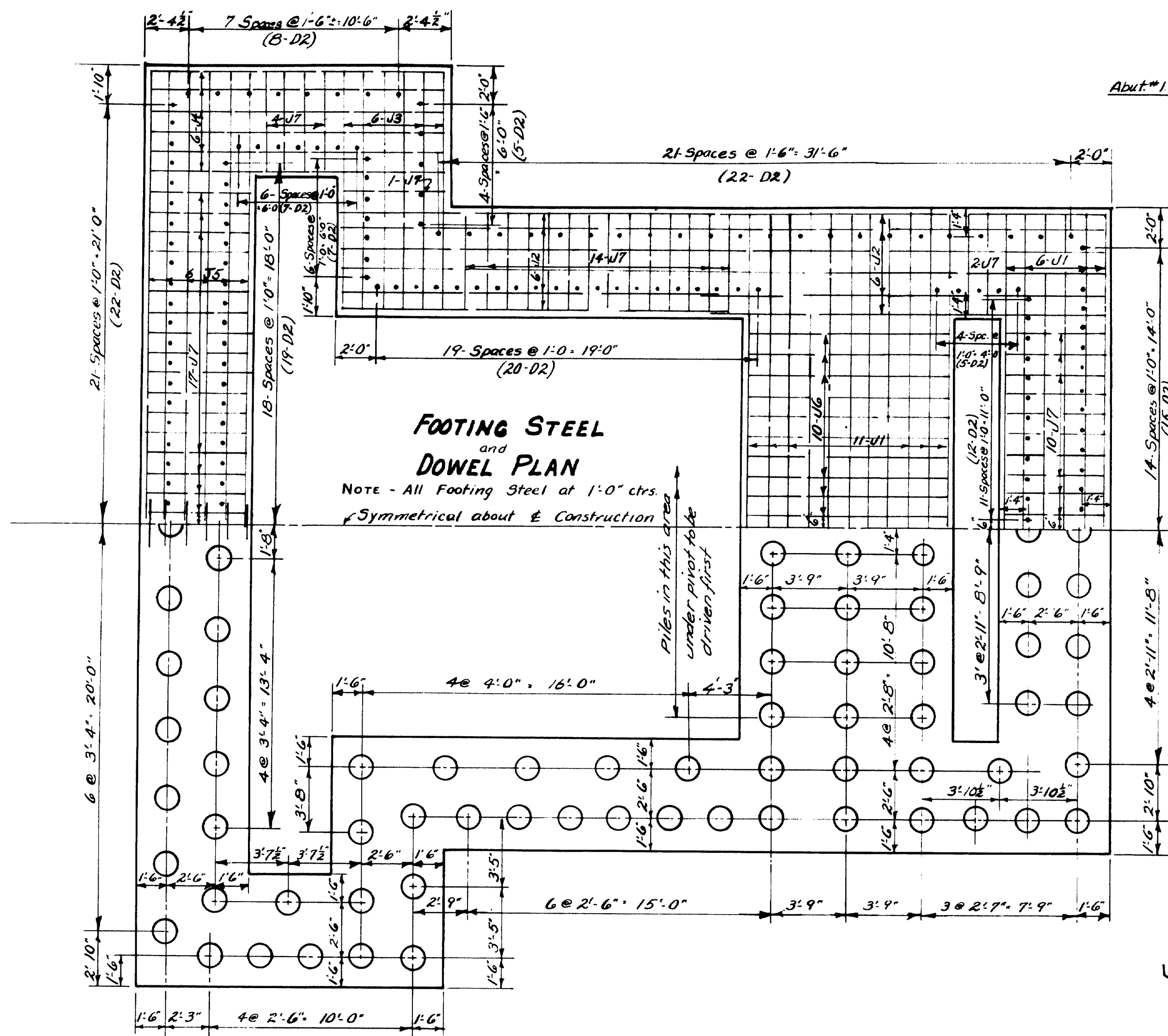
SECTION B-B



SECTION C-C

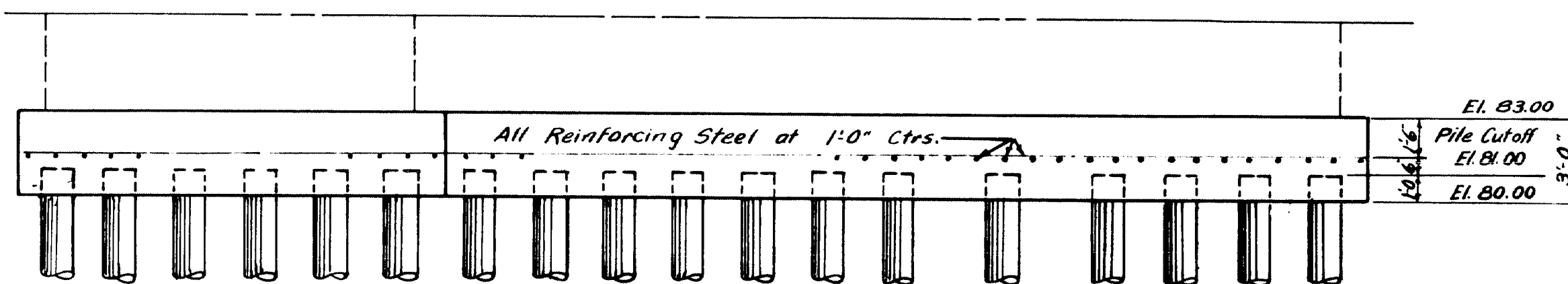


DESIGN HAMILTON TRACE R.L.V. CHECK	BRIDGE
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NAPLES BAY BRIDGE	
IN THE TOWN OF NAPLES	
CUMBERLAND COUNTY	
ABUT. NO. 1	
SHEET 6 OF 15 AUGUSTA, MAINE JAN. 1953	

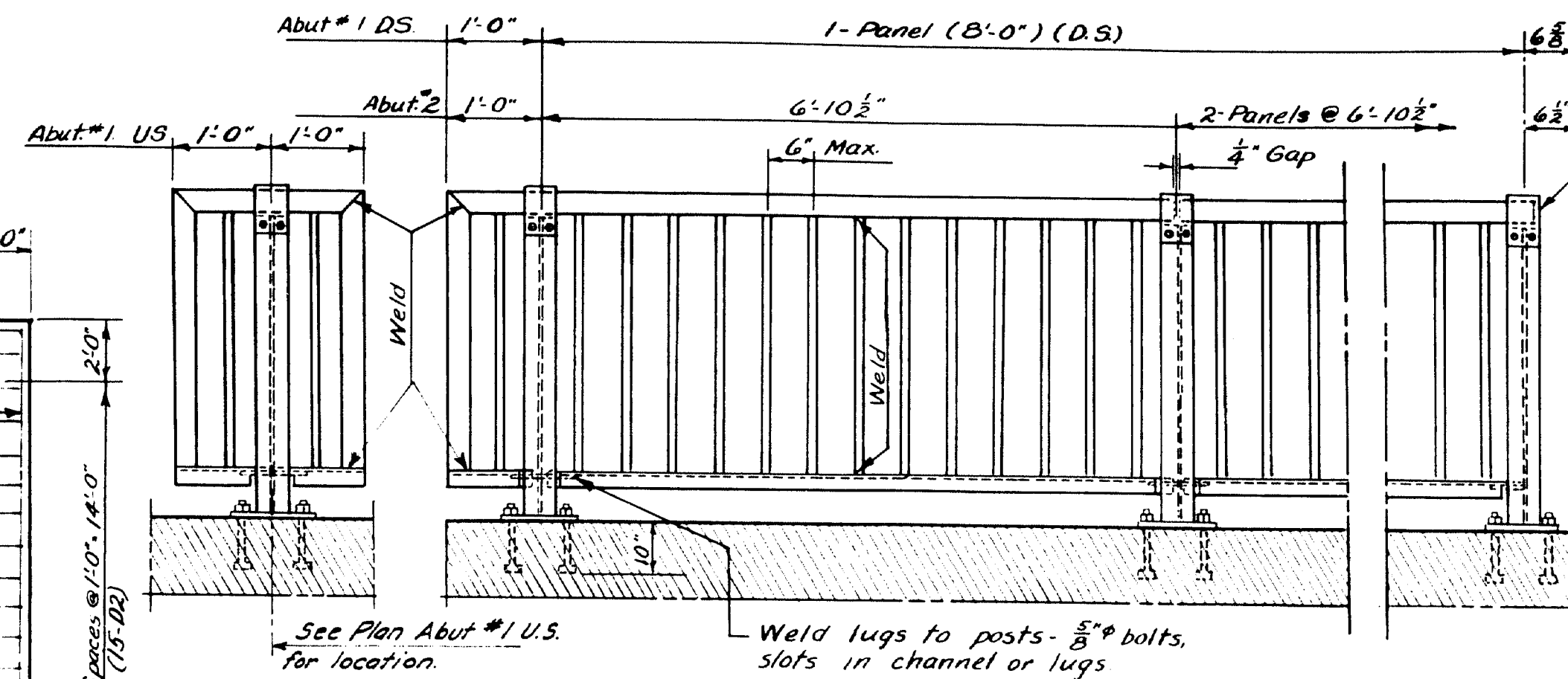


PILE PLAN

127- Wooden, untreated Piles req'd
Estimated Length - Variable, Probable Maximum = 40'±
Pile Load - 18 Tons.

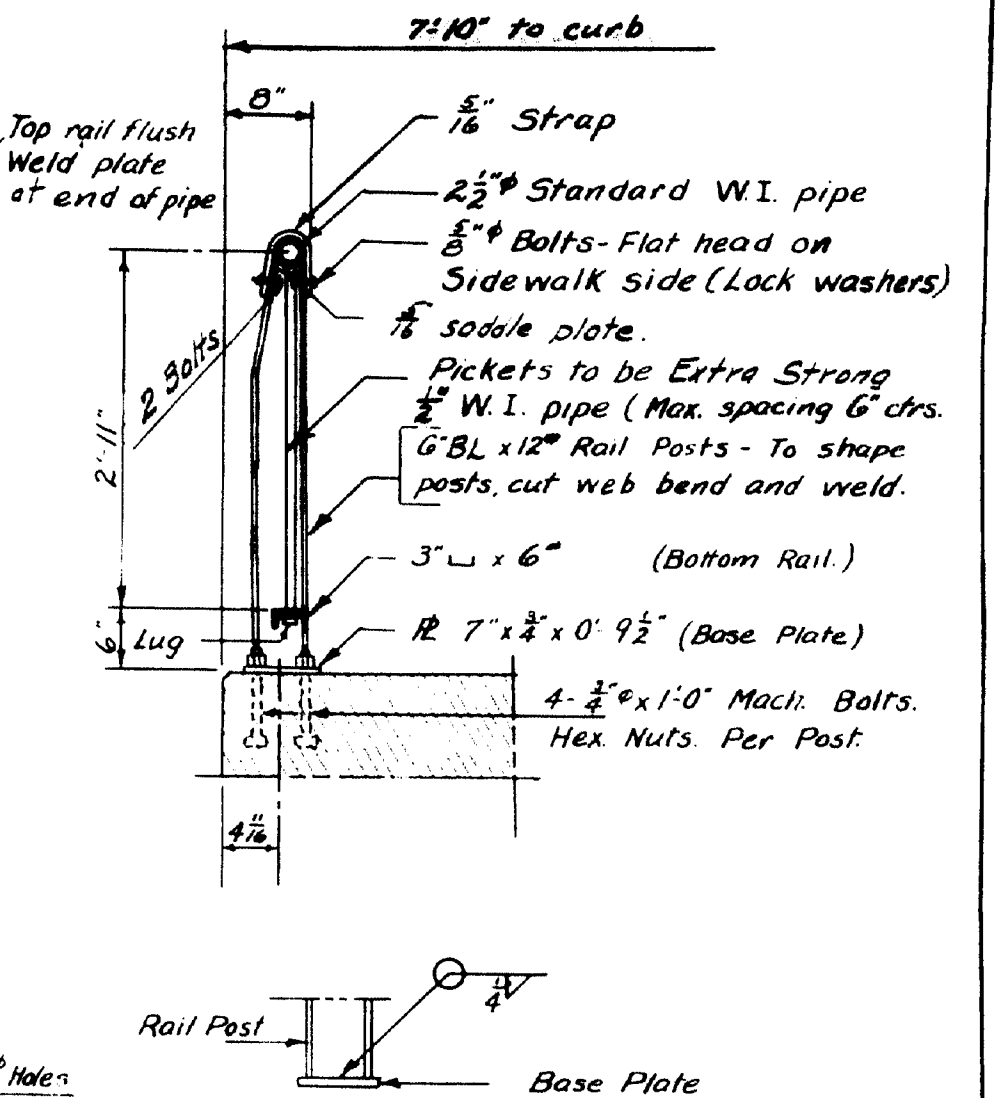


PART SIDE ELEVATION



RAIL DETAILS

Concrete in existing abutment to be entirely removed (SS-24)
Existing piles that interfere with new forms to be cut off at bottom of footing.
The new pile spacing may be varied as necessary to be clear of the old piles.



STEEL SCHEDULE

Bent Bars				Straight Bars (Cont.)			
Mark	Size	No.	Length	Mark	Size	No.	Length
A1	#4	36	9'-5"	A1	#4	42	19'-0"
A2	#5	36	9'-5"	A2	#4	21	6'-8"
A3	#4	27	12'-10"	A3	#4	7	8'-0"
A4	#4	73	4'-10"	A4	#4	4	30'-0"
A5	#4	4	7'-10"	A5	#4	4	30'-0"
A6	#4	34	8'-0"	A6	#4	4	30'-0"
A7	#4	19	5'-4"	A7	#4	12	13'-0"
A8	#4	34	4'-10"	A8	#4	12	4'-0"
A9	#4	31	9'-4 1/2"	A9	#4	24	5'-6"
A10	#4	8	12'-2"	A10	#4	12	7'-6"
B1	#4	8	9'-8"	B1	#4	8	16'-8"
B2	#4	2	7'-10 1/2"	B2	#4	102	6'-8"
B3	#4	2	7'-11"	B3	#4	16	16'-9"
B4	#4	2	6'-4"	B4	#4	6	4'-8"
B5	#4	2	5'-6 1/2"	B5	#4	20	15'-0"
B6	#4	2	4'-6"	B6	#4	16	1'-6"
B7	#4	2	3'-5 1/2"	B7	#4	16	15'-3"
B8	#4	2	13'-10"	B8	#4	16	15'-3"
B9	#4	2	18'-11"	B9	#4	16	27'-10"
B10	#4	2	14'-11"	B10	#4	16	31'-6"
B11	#4	2	30'-11"	B11	#4	16	19'-8"
B12	#4	2	12'-6"	B12	#4	16	12'-9"
B13	#4	2	11'-6"	B13	#4	16	14'-9"
B14	#4	2	5'-8"	B14	#4	16	10'-0"
B15	#4	2	4'-10"	B15	#4	16	3'-0"
B16	#4	2	4'-10"	B16	#4	16	2'-6"
B17	#4	2	4'-10"	B17	#4	16	2'-6"
B18	#4	2	4'-10"	B18	#4	16	2'-6"
B19	#4	2	4'-10"	B19	#4	16	2'-6"
B20	#4	2	4'-10"	B20	#4	16	2'-6"
B21	#4	2	4'-10"	B21	#4	16	2'-6"
B22	#4	2	4'-10"	B22	#4	16	2'-6"
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B24	#4	2	4'-10"	B24	#4	16	2'-6"
B25	#4	2	4'-10"	B25	#4	16	2'-6"
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B30	#4	2	4'-10"	B30	#4	16	2'-6"
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B32	#4	2	4'-10"	B32	#4	16	2'-6"
B33	#4	2	4'-10"	B33	#4	16	2'-6"
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B55	#4	2	4'-10"	B55	#4	16	2'-6"
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B94	#4	2	4'-10"	B94	#4	16	2'-6"
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B98	#4	2	4'-10"	B98	#4	16	2'-6"
B99	#4	2	4'-10"	B99	#4	16	2'-6"
B100	#4	2	4'-10"	B100	#4	16	2'-6"

Revised-Steel Schedule Nov. 5, 1953

DESIGN HAMILTON
TRACE SIRDIS
CHECK []

BRIDGE

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

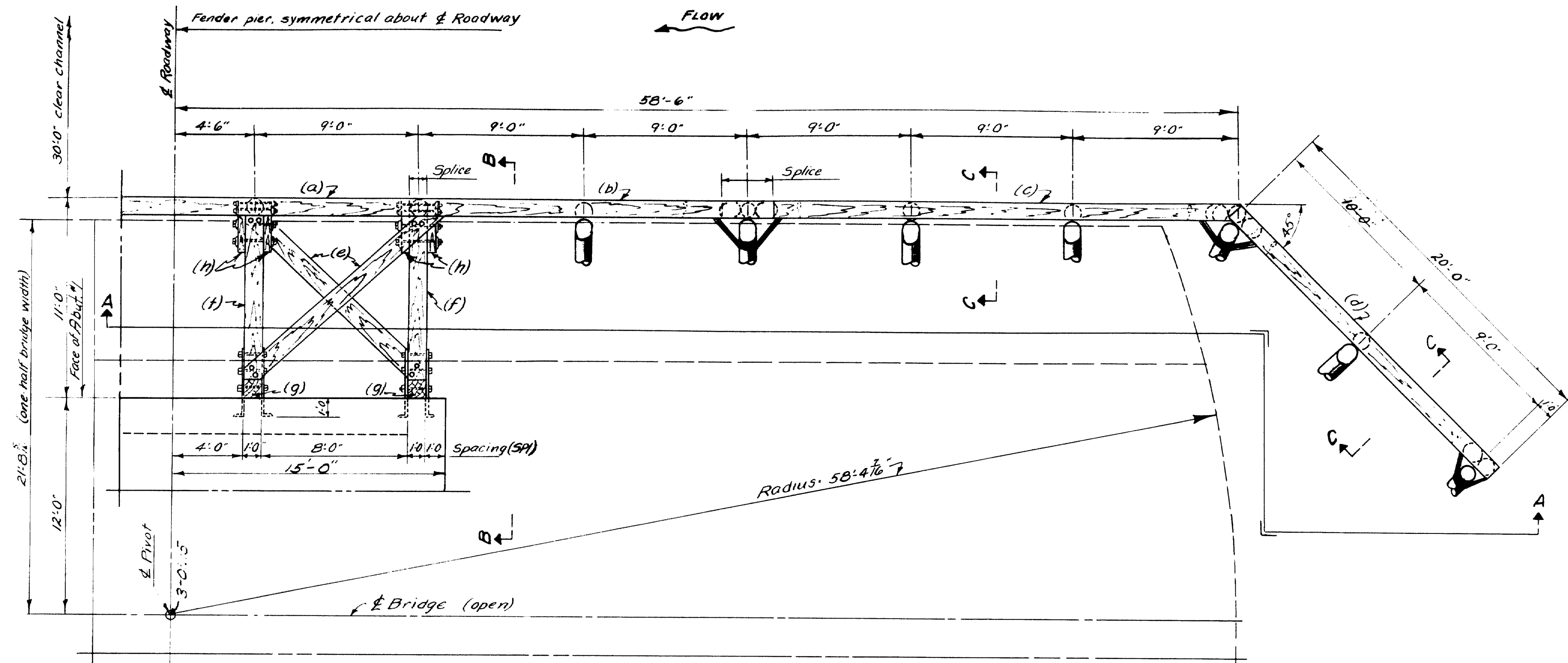
NAPLES BAY BRIDGE

IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

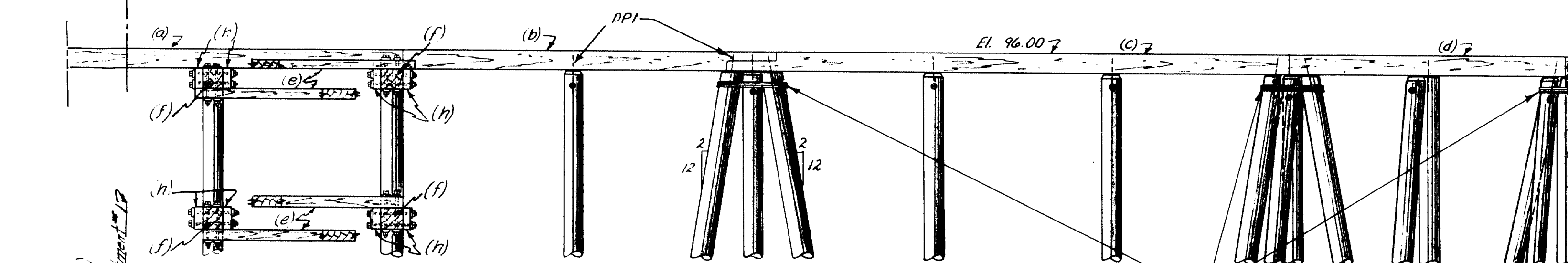
ABUT NO 1, DETAILS
STEEL & RAIL DETAILS

SHEET 7 OF 15 AUGUSTA, MAINE JAN. 1953

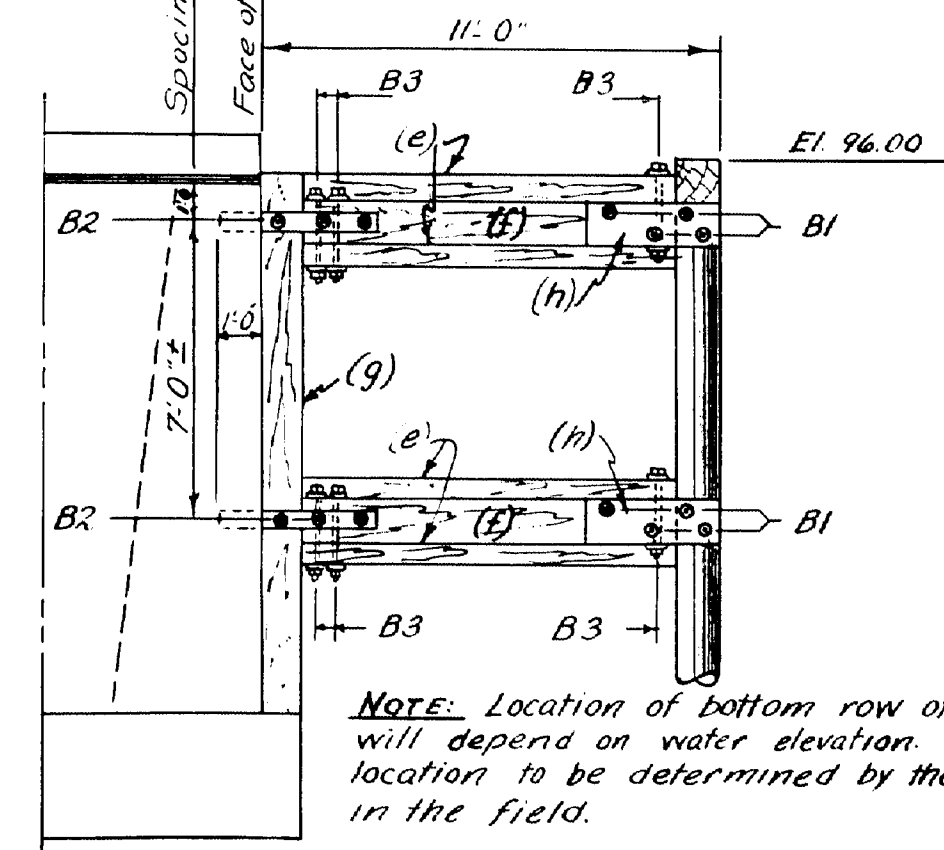
59-132



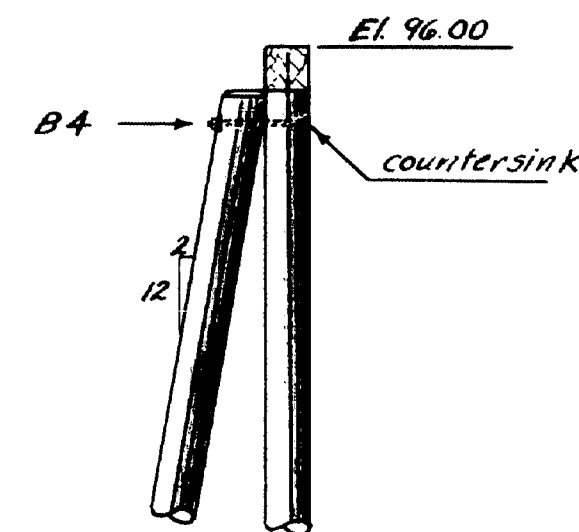
PLAN- HALF OF FENDER



SECTION A-A



SECTION B-B



SECTION C-C

NOTE
Tops of piles in groups of three or more to be held in position by wrapping $\frac{1}{2}$ " galvanized cable four times around group, pulling tight and securing ends of cable with two cable clips. Cable and cable clip to be paid for as hardware.

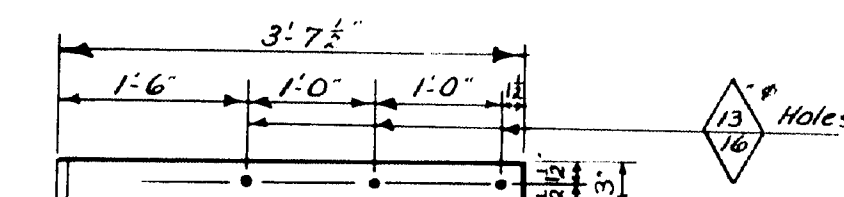
TIMBER SCHEDULE					
Mark	No	Size	Dress	Length	Location
a	1	12x12		30'-0"	Cap
b	2	"		20'-0"	"
c	2	"		30'-0"	"
d	2	"		20'-0"	"
e	8	6x12		16'-0"	Braces
f	8	12x12		10'-0"	Struts
g	4	12x12		14'-0"	Verticals
h	16	6x12		3'-0"	Side plates

All Timber to be Creosoted.

HARDWARE SCHEDULE					
Mark	No	Size	Type	Wash Nuts	Location
B1	32	$\frac{1}{2}$ "x2'-4"	Mach	2-0-6 1-nut	Side plates (h)
B2	24	$\frac{1}{2}$ "x1'-4"	"	2-cut 1-nut	" (SPI)
B3	32	$\frac{1}{2}$ "x1'-9"	"	2-0-6 1-nut	Braces (e)
B4	14	$\frac{1}{2}$ "x2'-6"	Rad	6-10-2-nut	Piles
DPI	28	$\frac{1}{2}$ "x2'-0"	Drift pin		Caps to piles
SPI	16	3'-3'-0"			See Details
Cable and cable clips					

All Hardware Except Drift Pins to be Galvanized

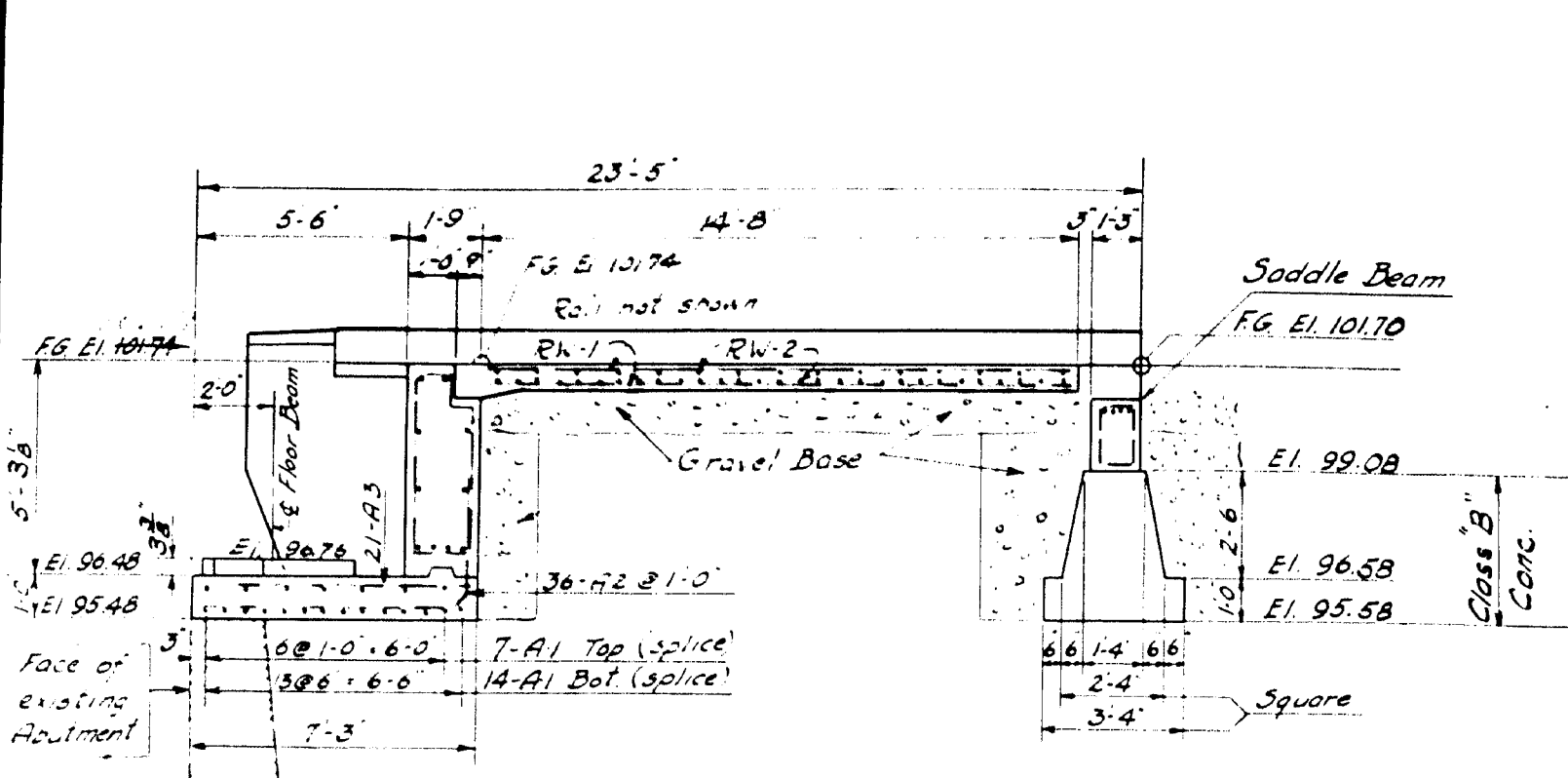
42- Treated Piles Required
Est. Length: 30 Feet.
Piles to be Driven about 15 Feet into stream bed.



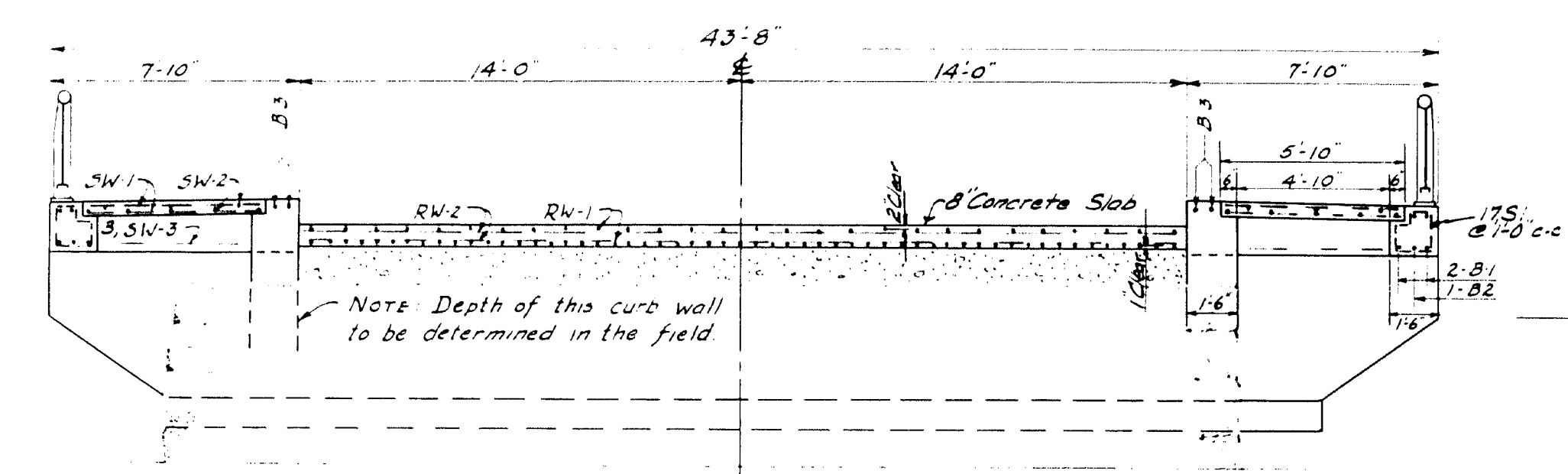
SPI
Bent plate: 3'-7 1/2" x 4'-0" (Galvan.)
16- Req'd

DESIGN HAMILTON	BRIDGE
TRACE SIROIS	
CHECK	
STATE HIGHWAY COMMISSION BRIDGE DIVISION NAPLES BAY BRIDGE IN THE TOWN OF NAPLES CUMBERLAND COUNTY FENDER PIER	
SHEET 3 OF 15 AUGUSTA, MAINE JAN. 1953	

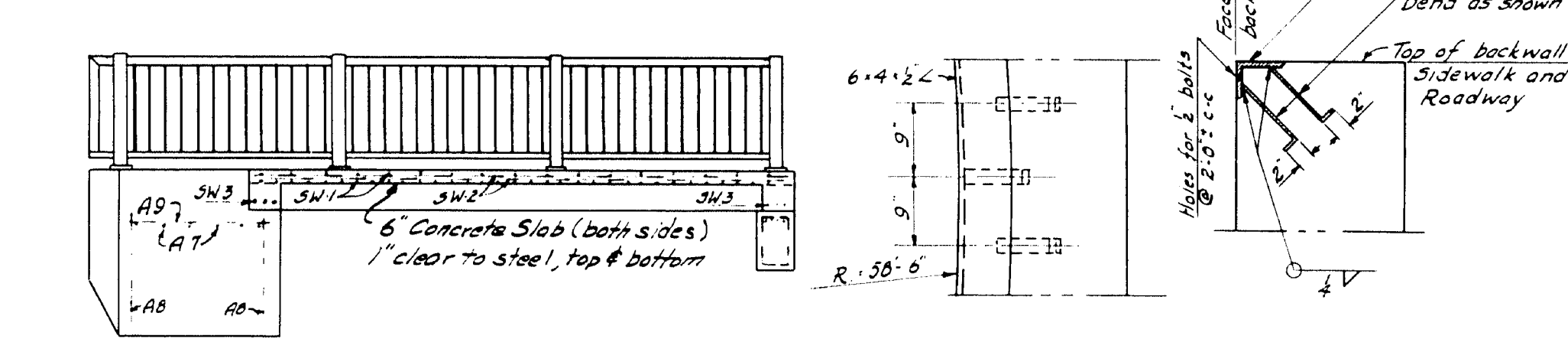
59-133



SECTION A-A



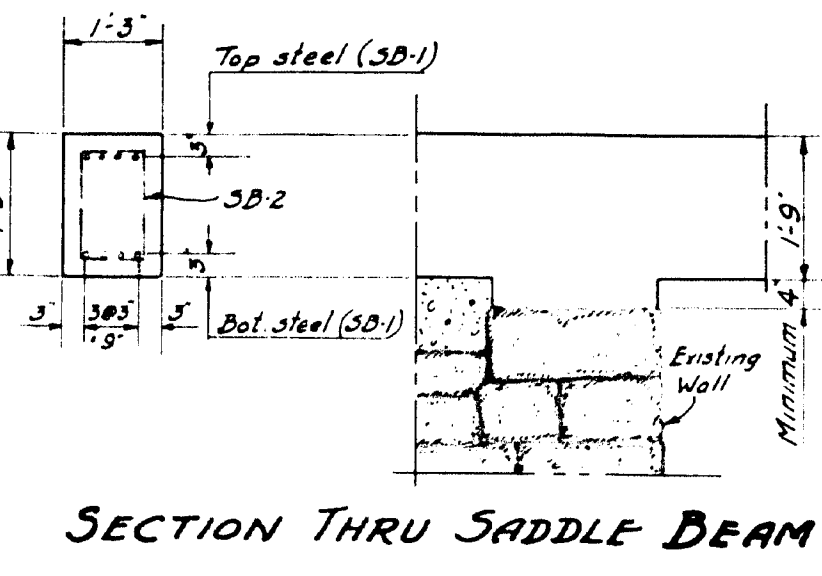
SECTION B-B



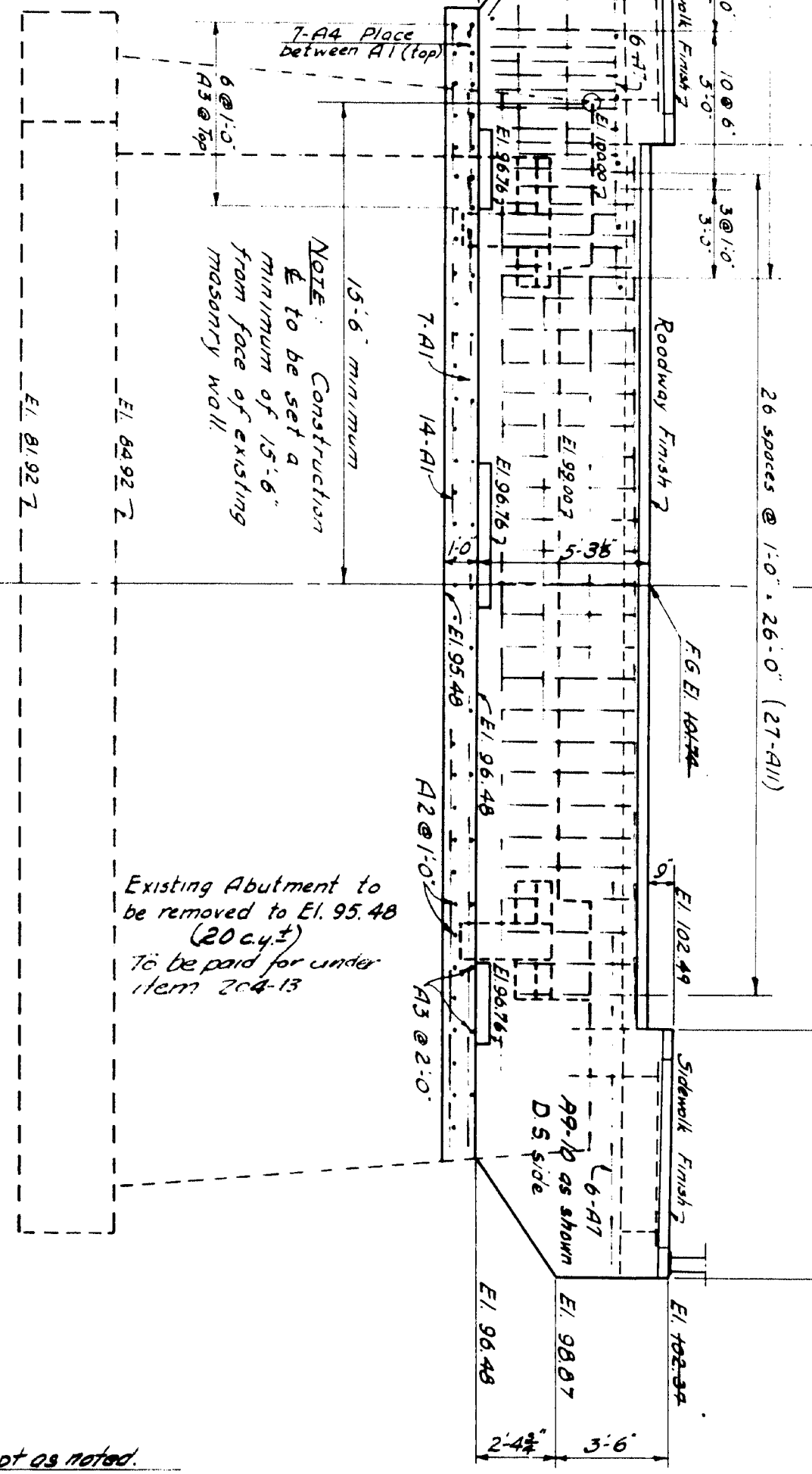
SECTION C-C

DETAIL of ANGLE for BACKWALL
All backwall angles to be furnished as structural steel

Abut. 2 All Class 'A' Conc. except as noted.



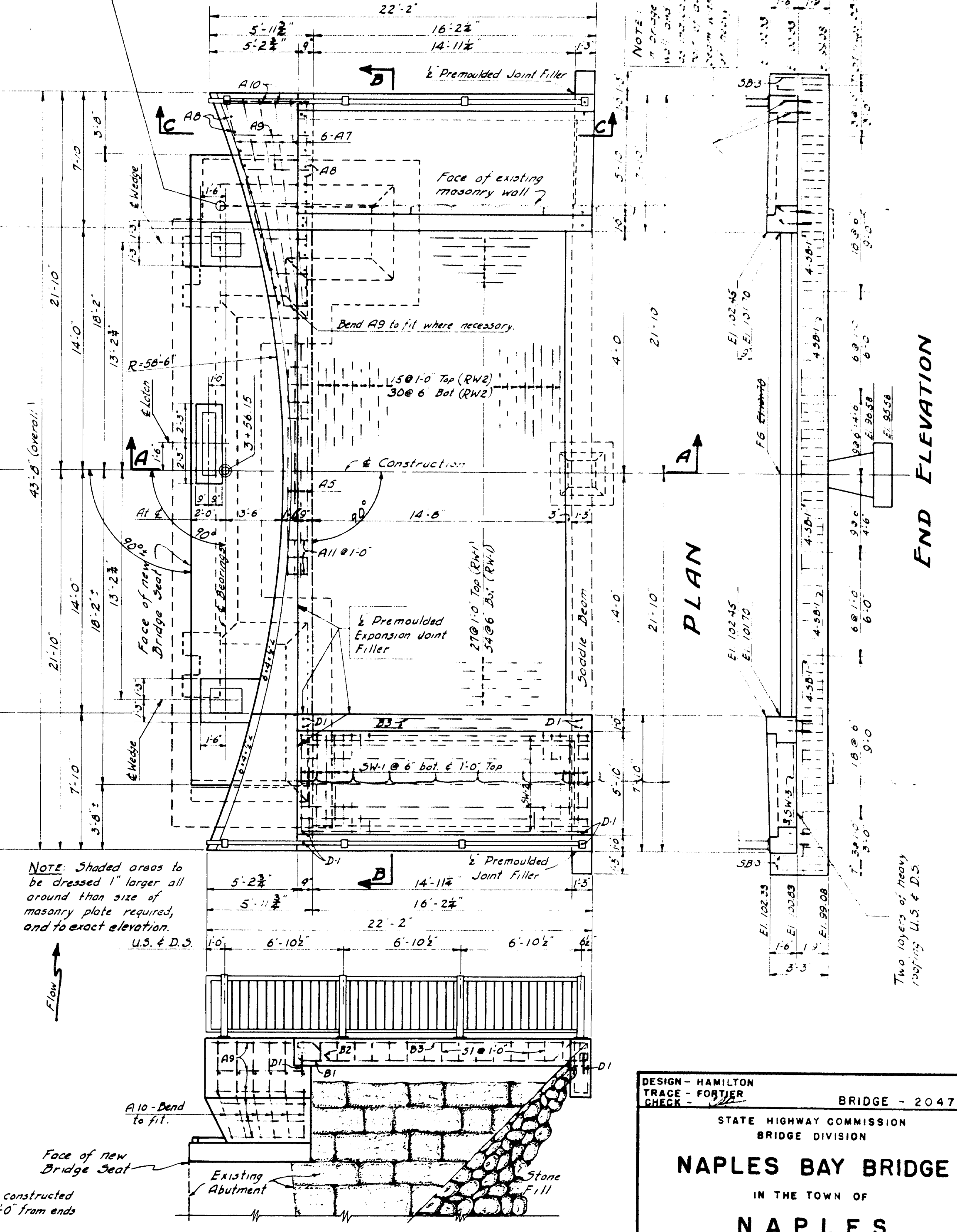
SECTION THRU SADDLE BEAM



SECTION THRU BACKWALL AT ROADWAY

NOTE: Backwall to be built after swing span has been erected.

NOTE: This point on existing abutment is the D.M. El. 100.00 and is Sta. 3+55.82 as calculated from Survey notes. Face of new bridge seat to be flush with face of existing abutment. Centerline of Bearings to be 2'-0" ahead of face as shown.



PART U.S. ELEVATION

DESIGN - HAMILTON
TRACE - FORTIER
CHECK -

BRIDGE - 2047

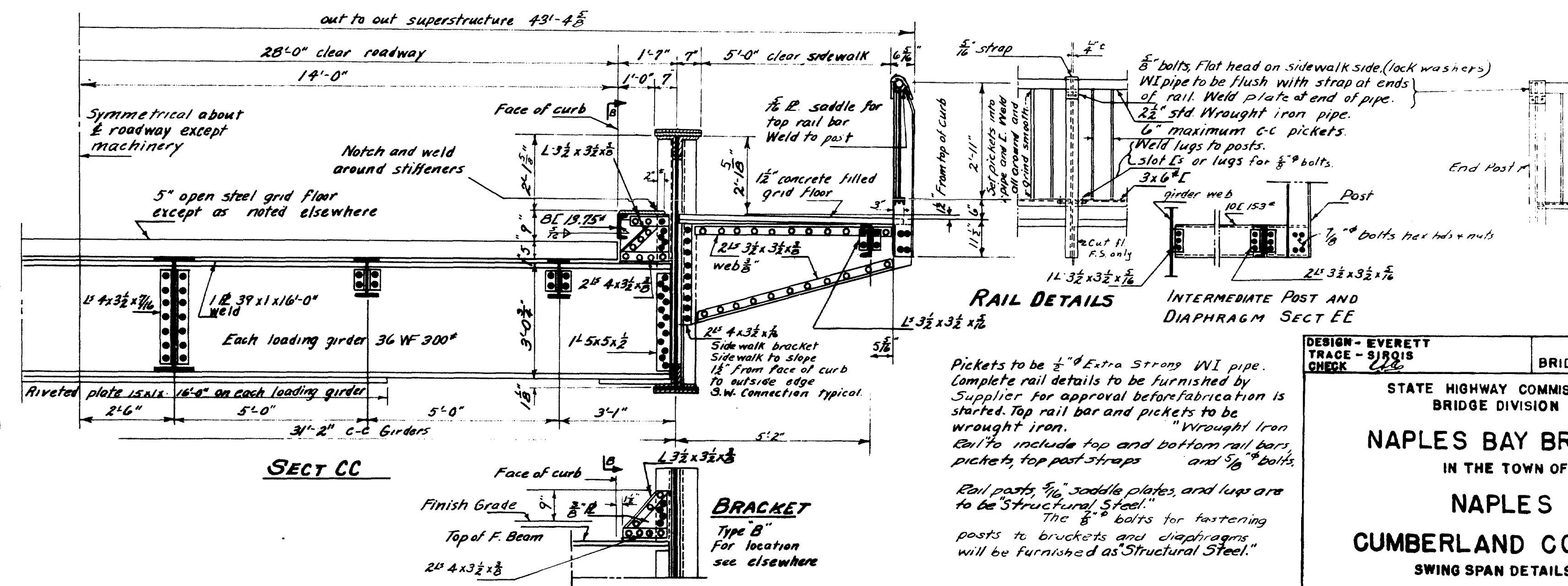
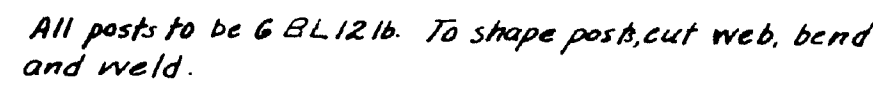
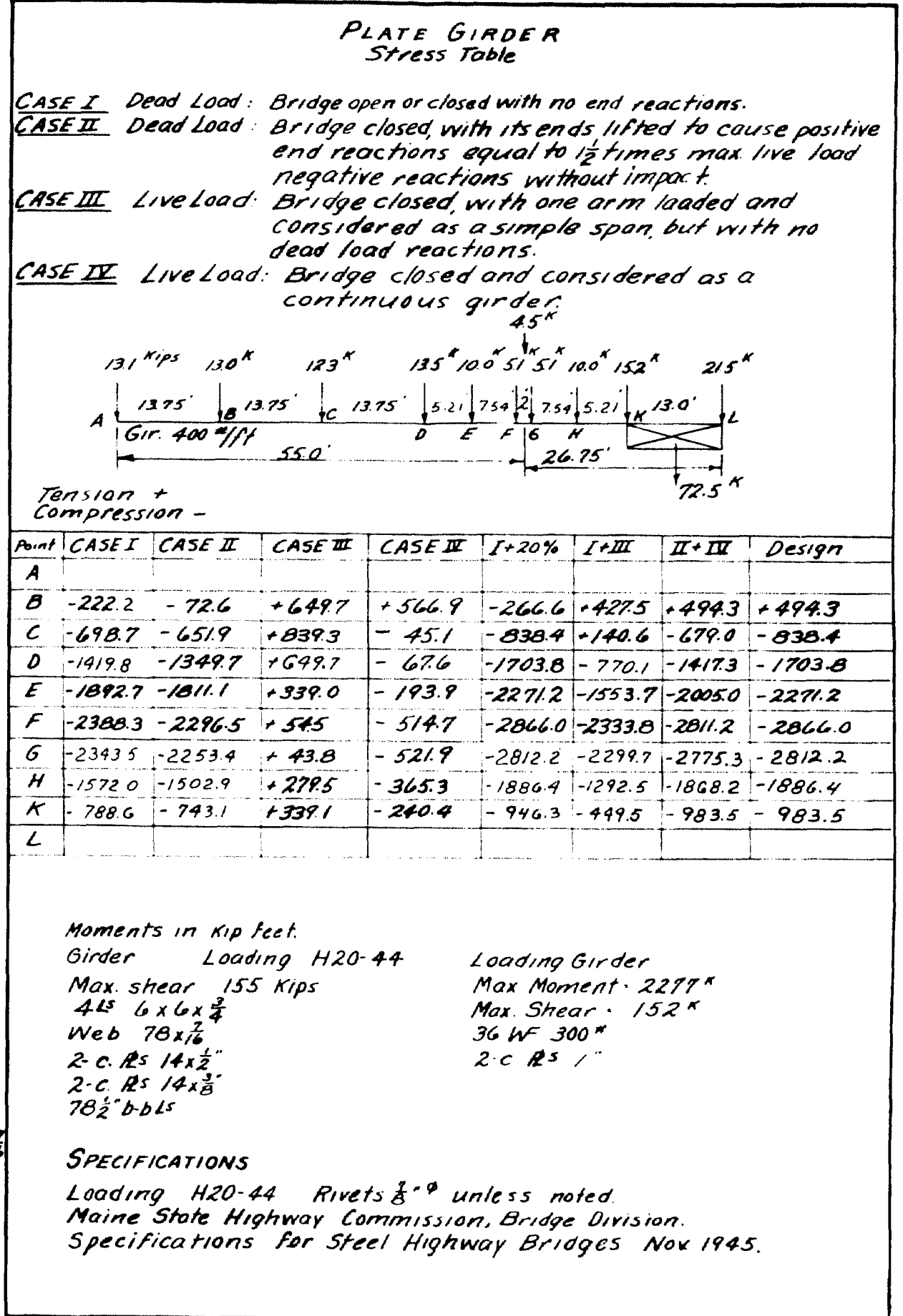
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

NAPLES BAY BRIDGE

IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

ABUTMENT No. 2

SHEET 9 OF 15 AUGUSTA, MAINE JAN. 1953



Point	CASE I	CASE II	CASE III	CASE IV	I+20%	I+III	II+IV	Design
A								
B	-222.2	-72.6	+649.7	+566.9	-266.6	+427.5	+494.3	+494.3
C	-619.7	-651.9	+839.3	-45.1	-838.4	-140.6	-679.0	-630.4
D	-1419.8	+1349.7	+699.7	-67.6	-1703.8	+770.1	-1417.3	-1703.8
E	-1892.7	-1811.1	+339.0	-193.9	-2271.2	-1553.7	-2005.0	-2271.2
F	-2388.3	-2276.5	+545	-514.7	-2864.0	-2333.8	-2811.2	-2866.0
G	-2343.5	-2253.4	+43.8	-521.9	-2812.2	-2299.7	-2775.3	-2812.2
H	-1572.0	-1502.9	+278.5	-365.3	-1886.4	-1292.5	-1868.2	-1886.4
K	-788.6	-743.1	+339.1	-240.4	-946.3	-449.5	-983.5	-983.5
L								

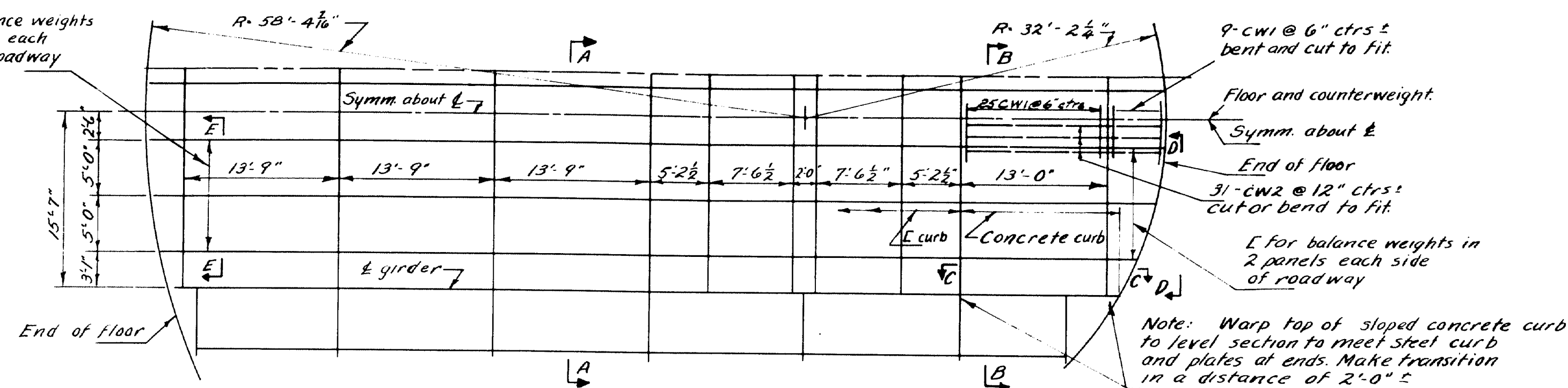
Moments in kip feet.

Girder	Loading H20-44	Loading Girder
Max shear 155 Kips		Max Moment 2279"
4L5 6 x 6 x $\frac{3}{4}$		Max Shear 152"
Web 78 x $\frac{1}{16}$		36 WF 300"
2-C.R5 14 x $\frac{1}{2}$ "		2-C.R5 1"
2-C.R5 14 x $\frac{3}{8}$		
78 $\frac{1}{2}$ " b-b L5		

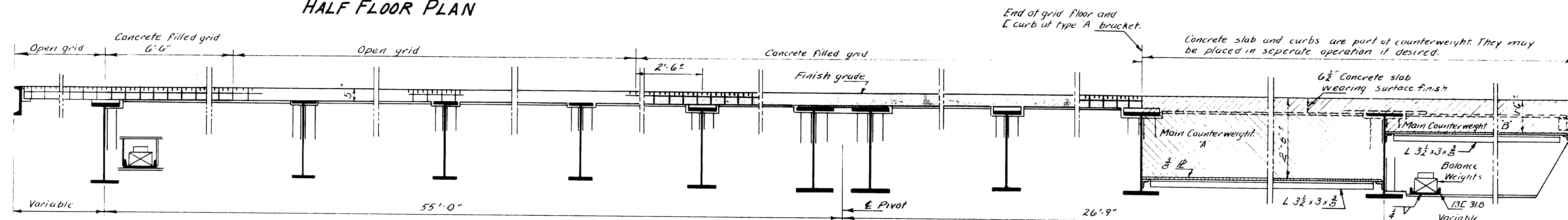
SPECIFICATIONS
Loading H20-44 Rivets $\frac{7}{8}" \phi$ unless noted.
Maine State Highway Commission, Bridge Division.
Specifications for Steel Highway Bridges Nov 1945.

DESIGN - EVERETT TRACE - SJQ:IS CHECK <i>llh</i>	BRIDGE - 2047
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NAPLES BAY BRIDGE IN THE TOWN OF NAPLES CUMBERLAND COUNTY SWING SPAN DETAILS	
SHEET 10 OF 15 AUGUSTA MAINE DEC 1952	

E for balance weights
in 2 panels each
side of roadway



HALF FLOOR PLAN



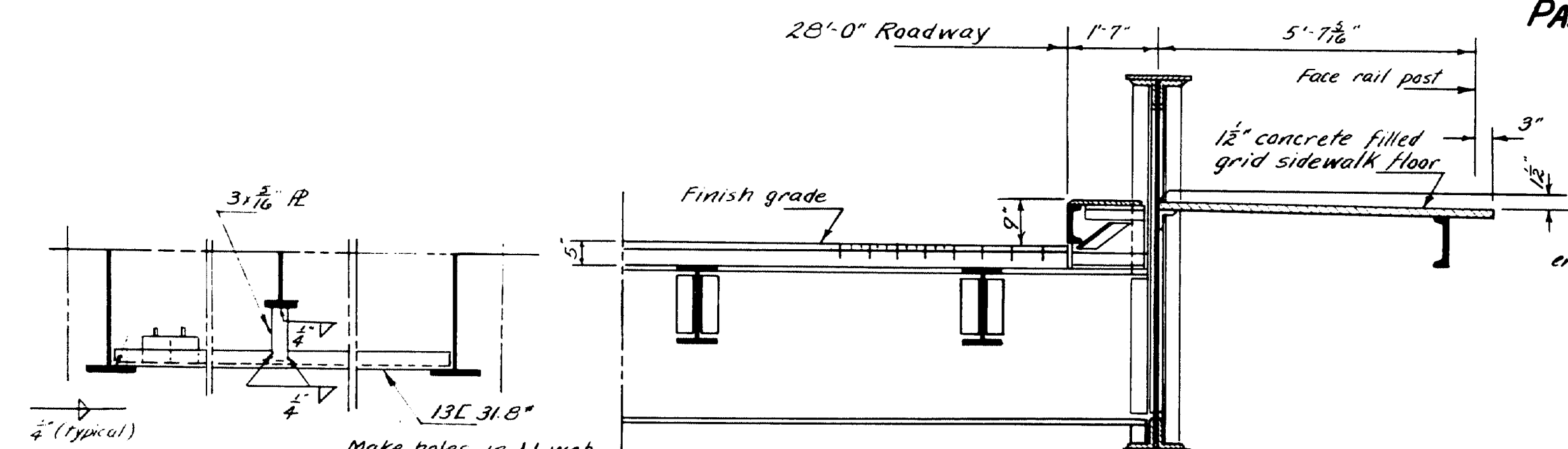
PART LONGITUDINAL SECT. ROADWAY FLOOR

Note: Portion of bridge floor to be 5" open grid, and concrete filled grid as indicated. The supplier shall furnish the Engineer with grid floor details before fabrication is started. Open grid floor shall be painted one shop coat red lead primer. Filled portion under form strips, and outside face of all 1/2" material to be painted one shop coat red lead primer. Specs. AASHTO M63

COUNTERWEIGHT NOTE:

Concrete counterweight is estimated as follows:
A= 150", B= 28" for depths as indicated.
Exact weight and depths to be determined by the supplier from the shop details. Counterweight to be figured to balance the span. 30 Cast iron balance weights to be furnished for adjustment.
Counterweight concrete estimated at 144 lb/cu. ft.

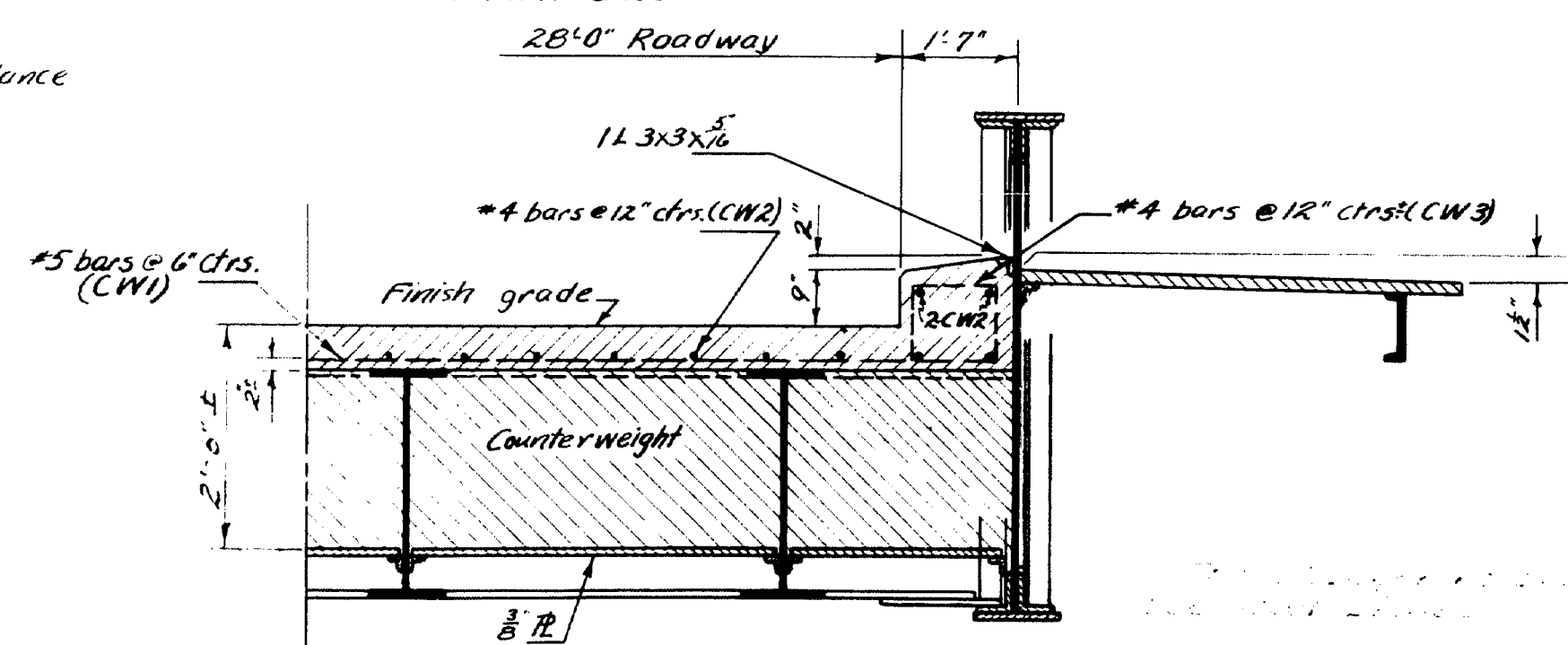
Main counterweight A below top of stringers to be Class B Concrete. Concrete filled grid sidewalk to be Class Y.
All other concrete in swing span to be Class A Concrete.
All concrete in sidewalk slab, grid floor & counterweights to be paid for under Item 701-40.



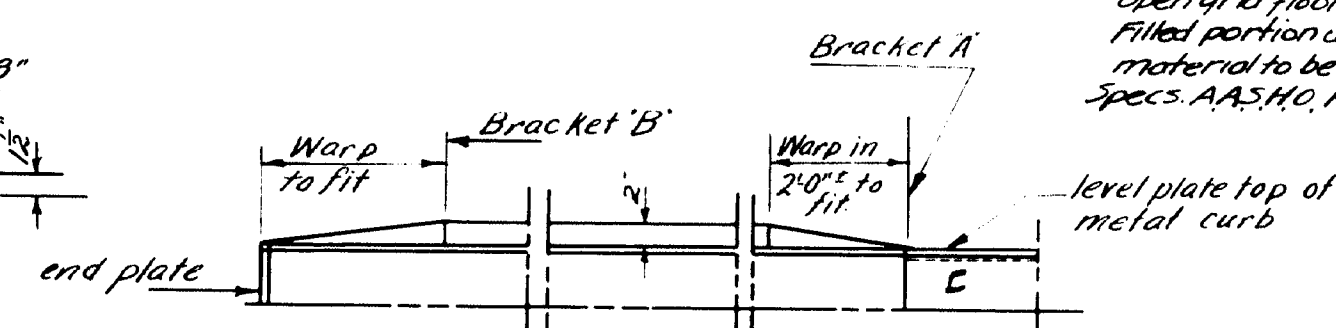
PART SECT AA

EE

Showing location of balance weights and support

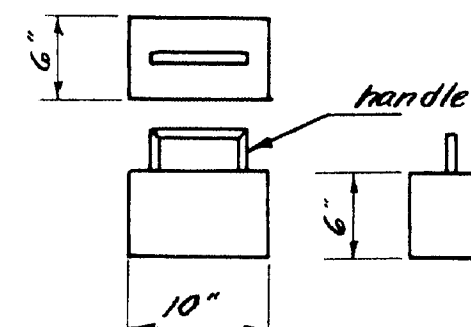
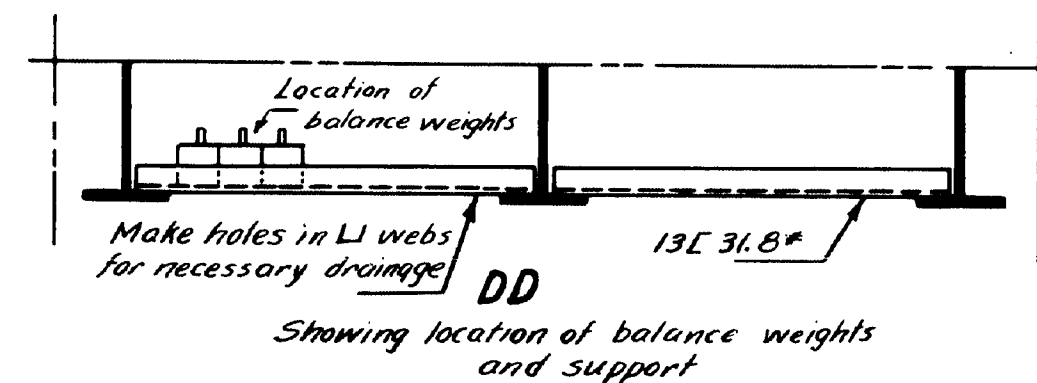


PART SECT. BB



PART VIEW CC

Showing face of concrete curb



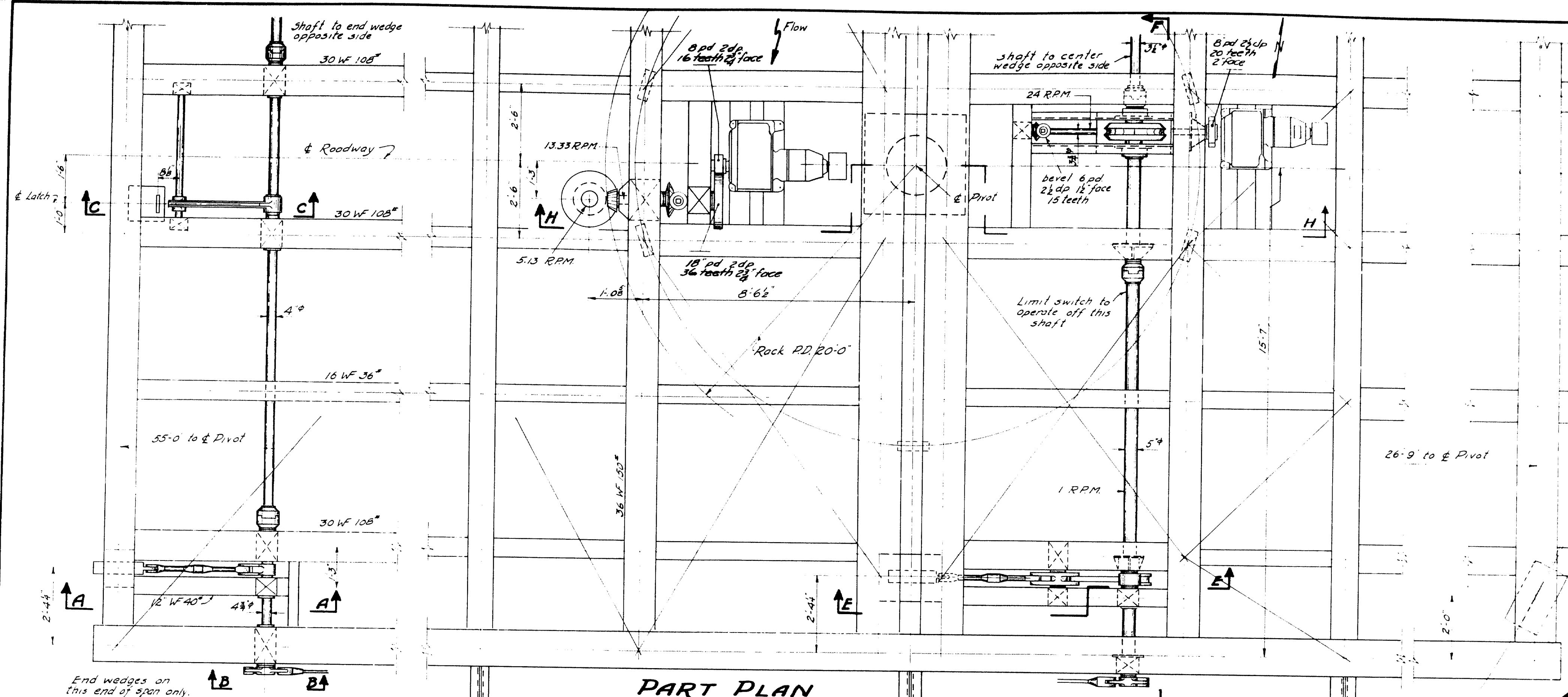
DETAIL CAST IRON
BALANCE WEIGHT

Weight 95 lb ± 30 Required

DESIGN EVERETT	BRIDGE
TRACE SIROIS	
CHECK	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NAPLES BAY BRIDGE	
IN THE TOWN OF	
NAPLES	
CUMBERLAND COUNTY	
FLOOR & COUNTERWEIGHTS	
SHEET 12 OF 15 AUGUSTA, MAINE	DEC 1952

59-137

0 1 2 3 4 5 INCHES



CALCULATIONS

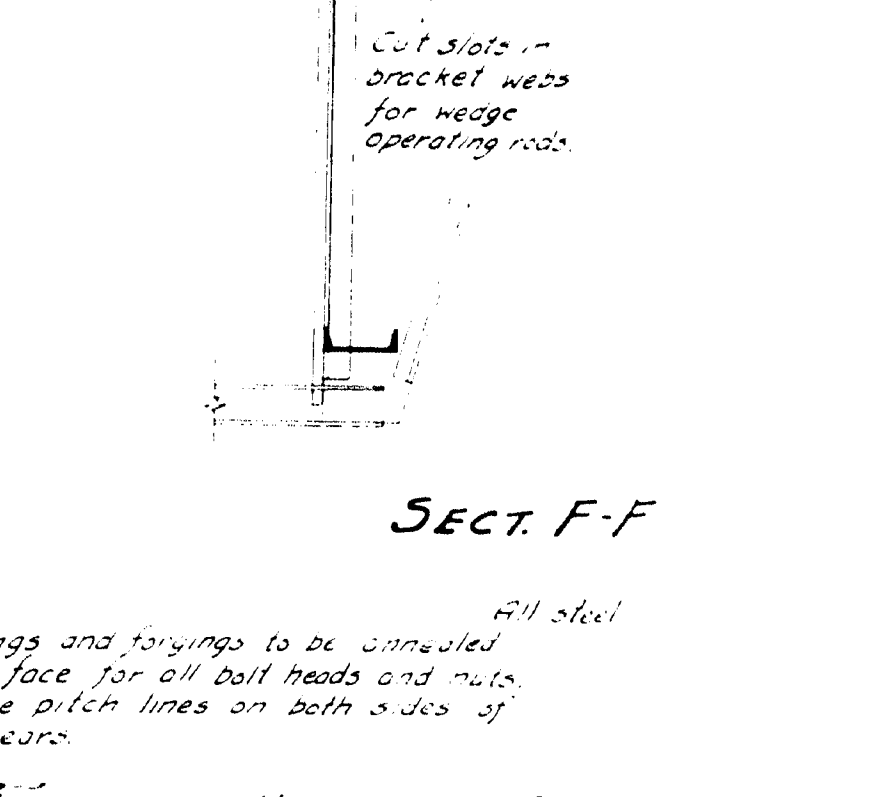
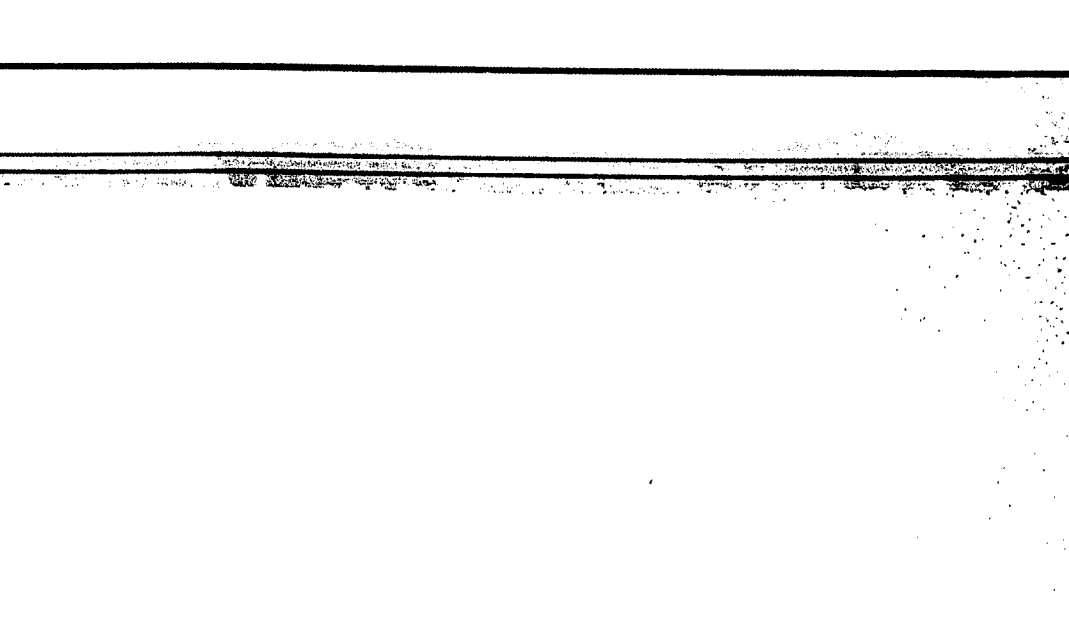
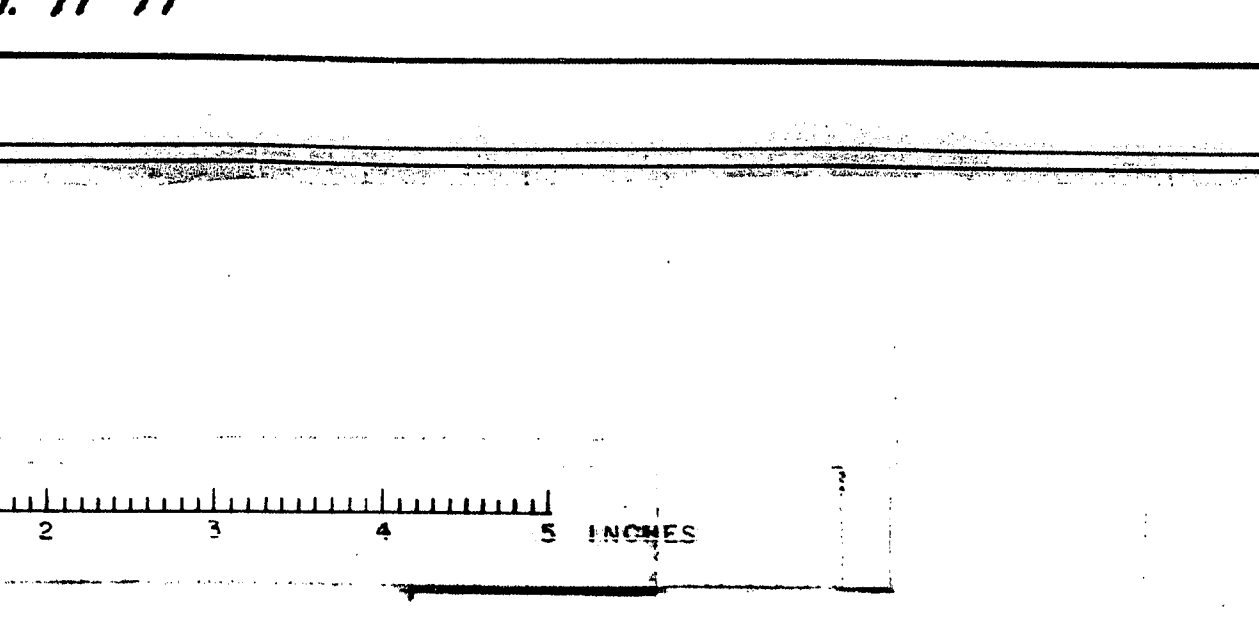
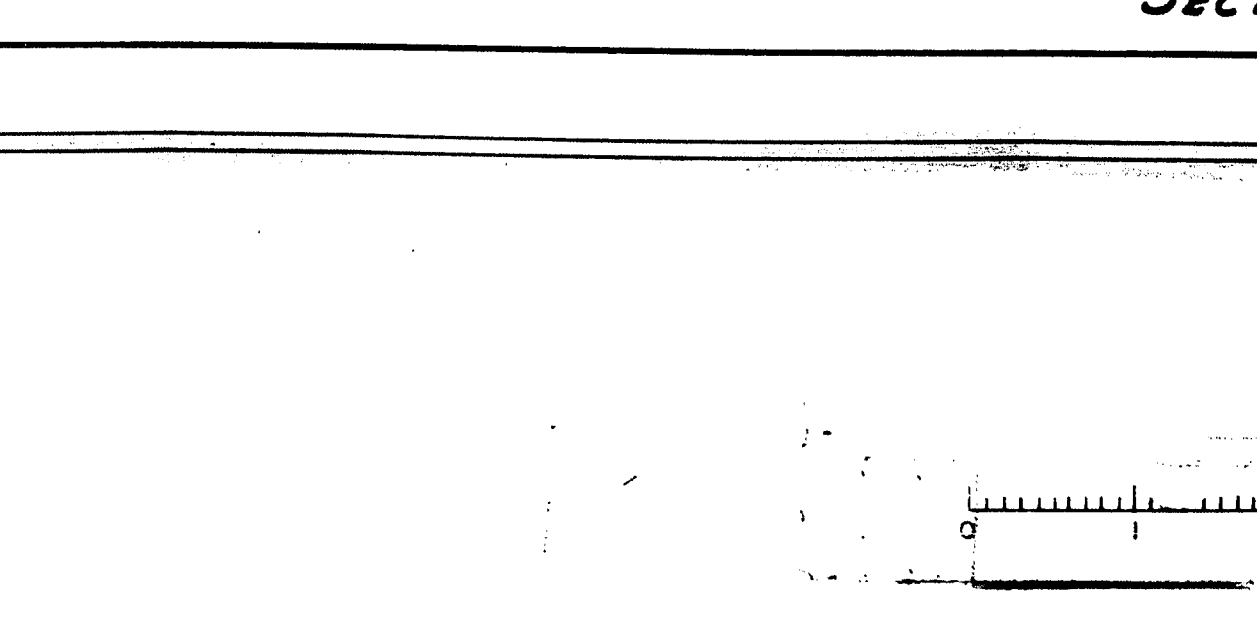
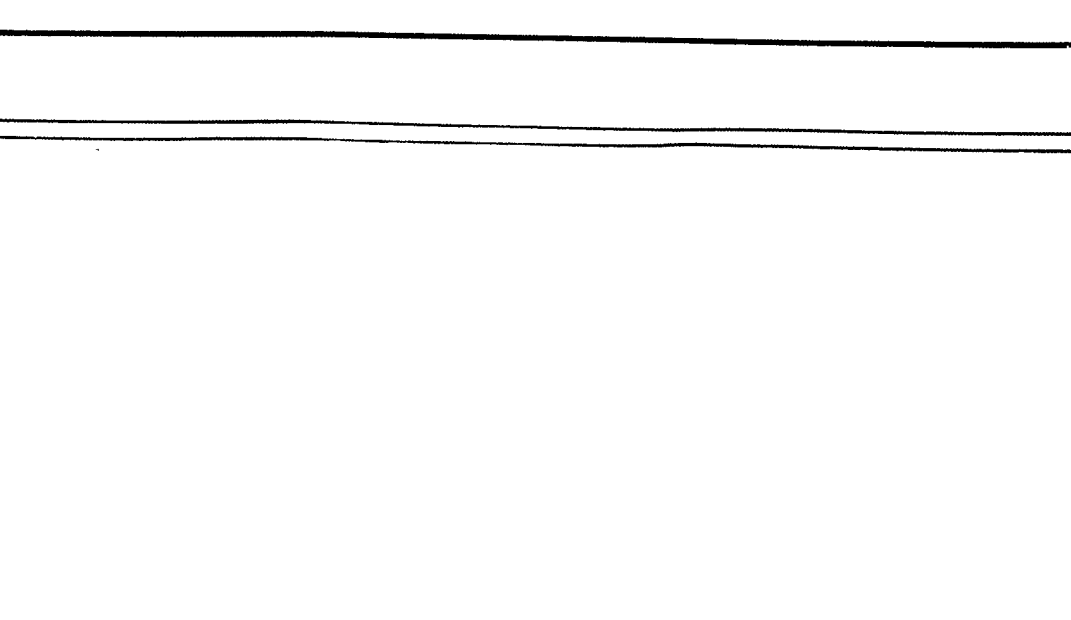
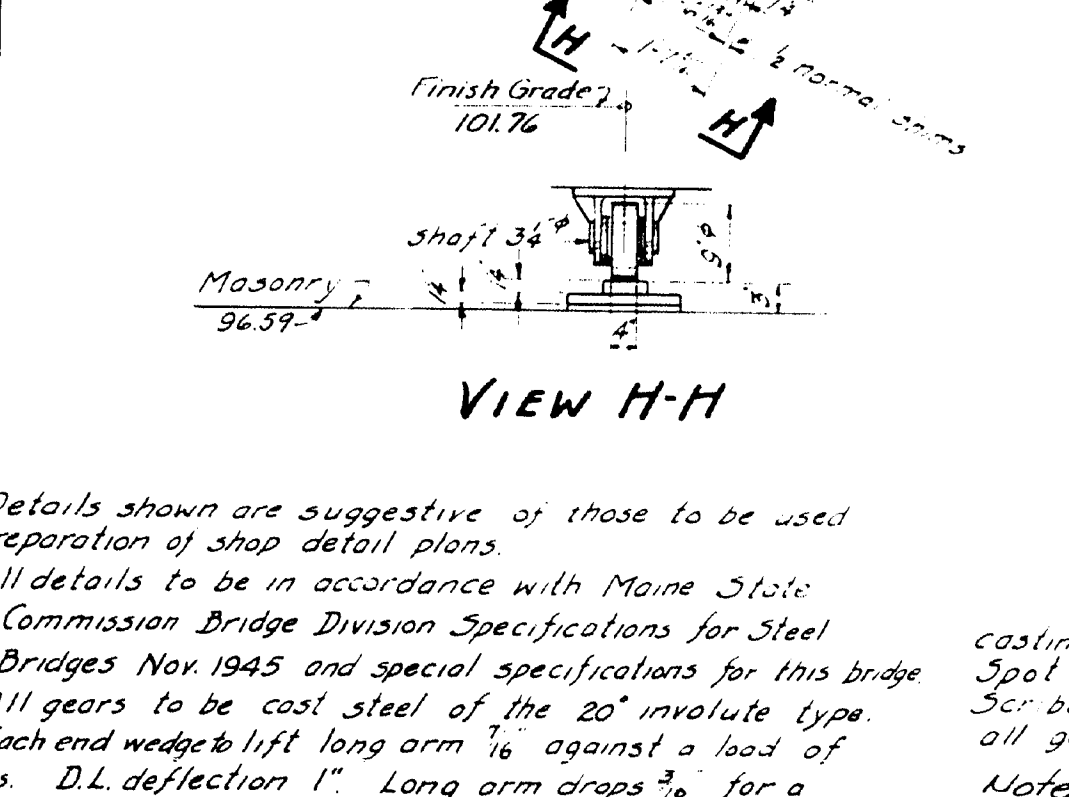
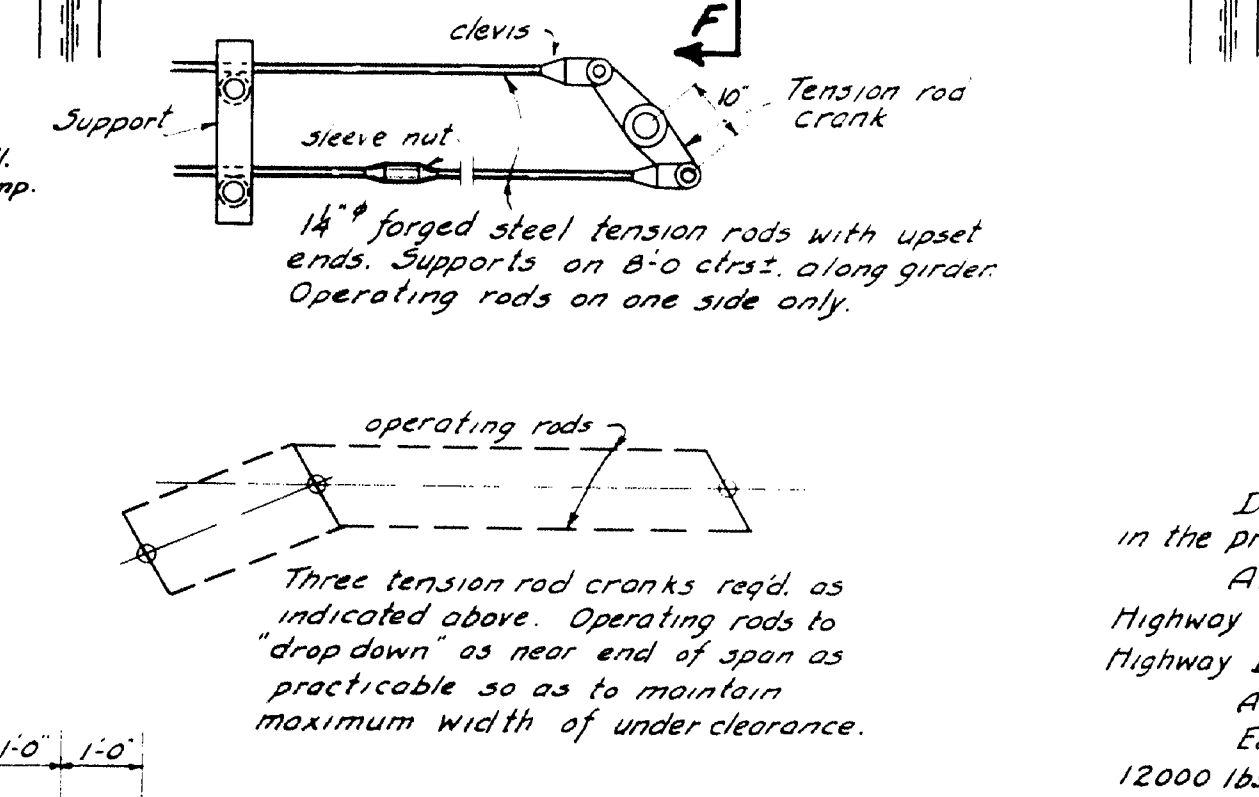
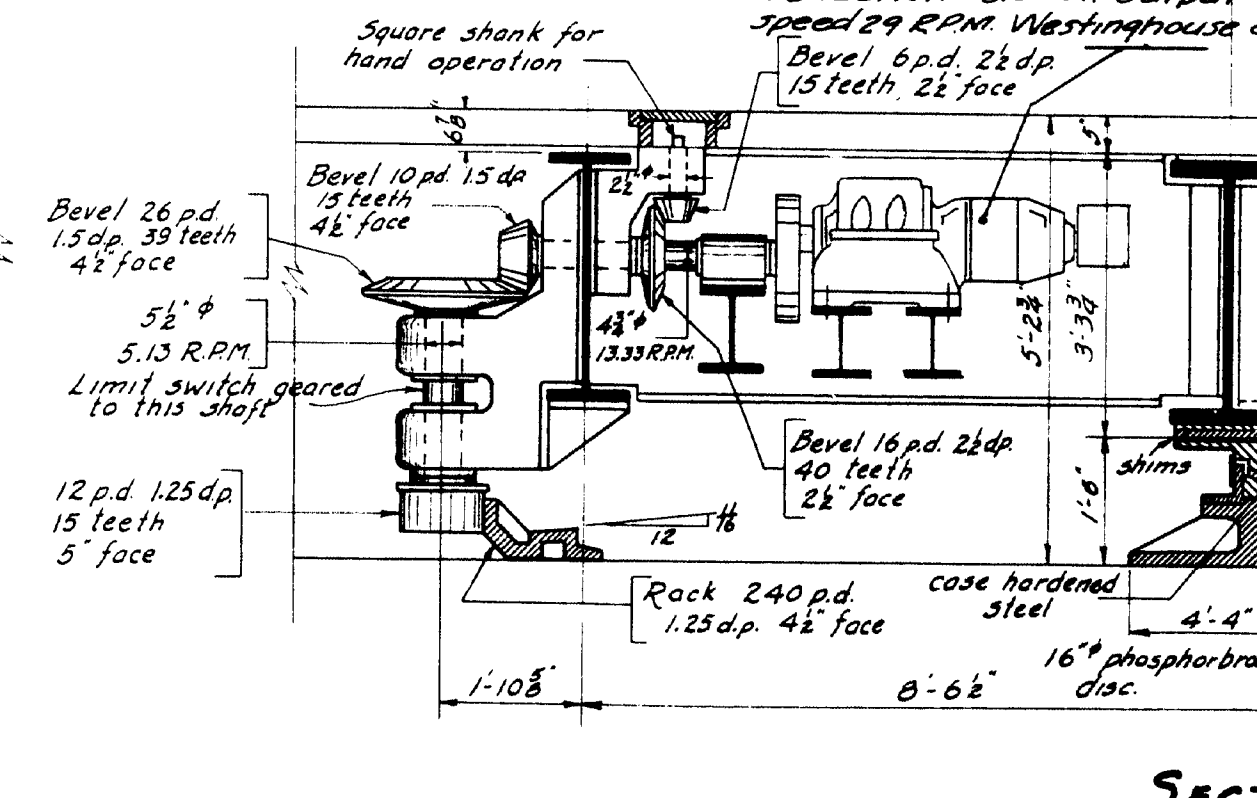
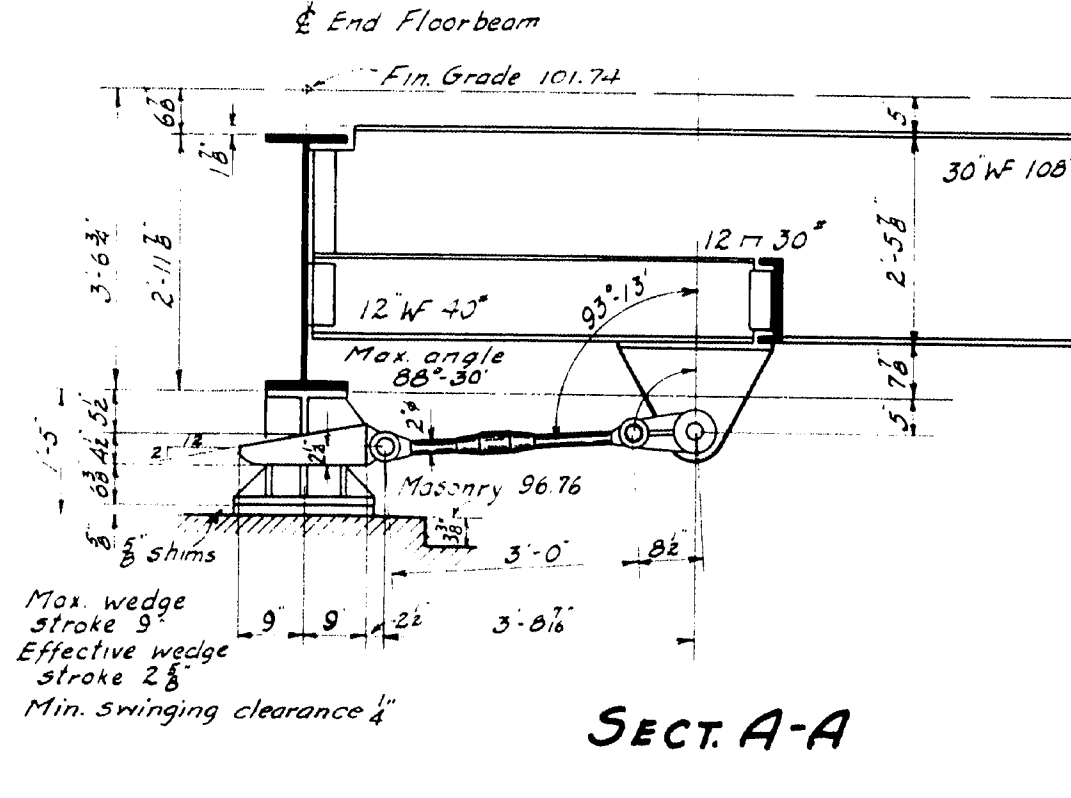
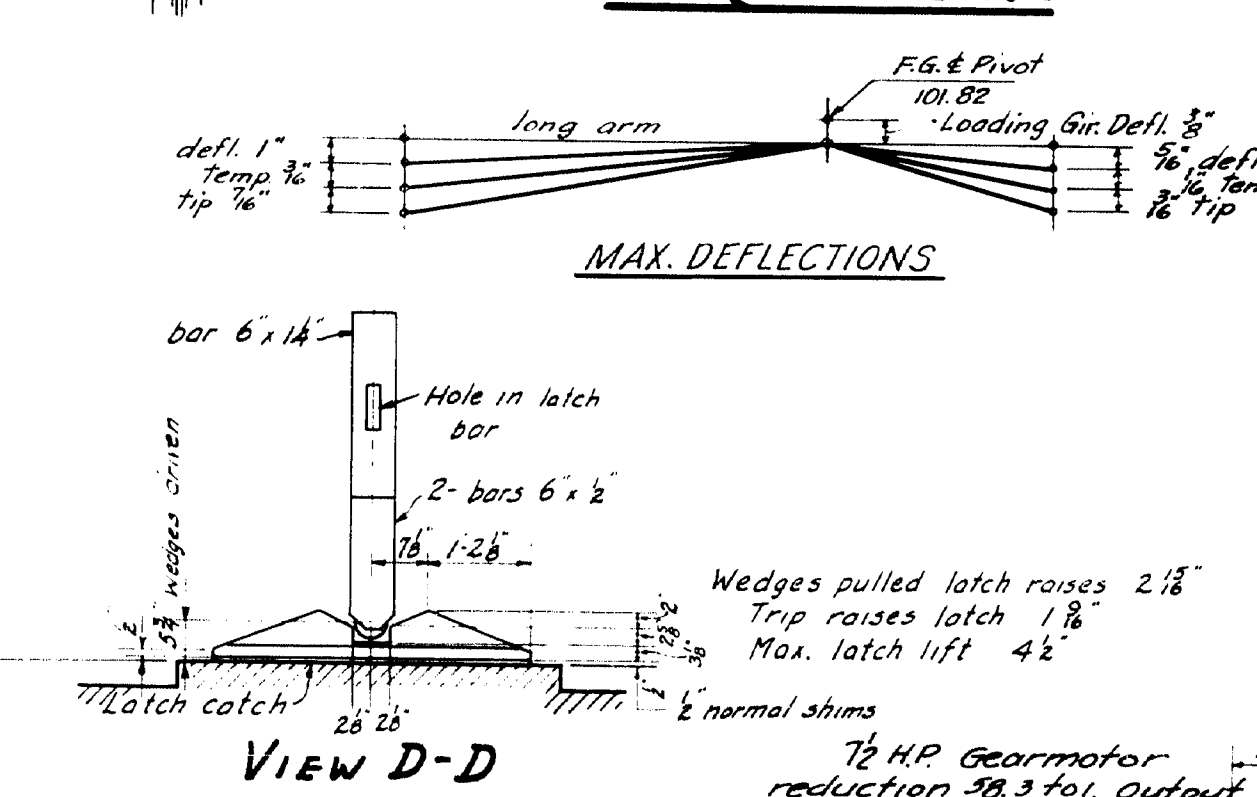
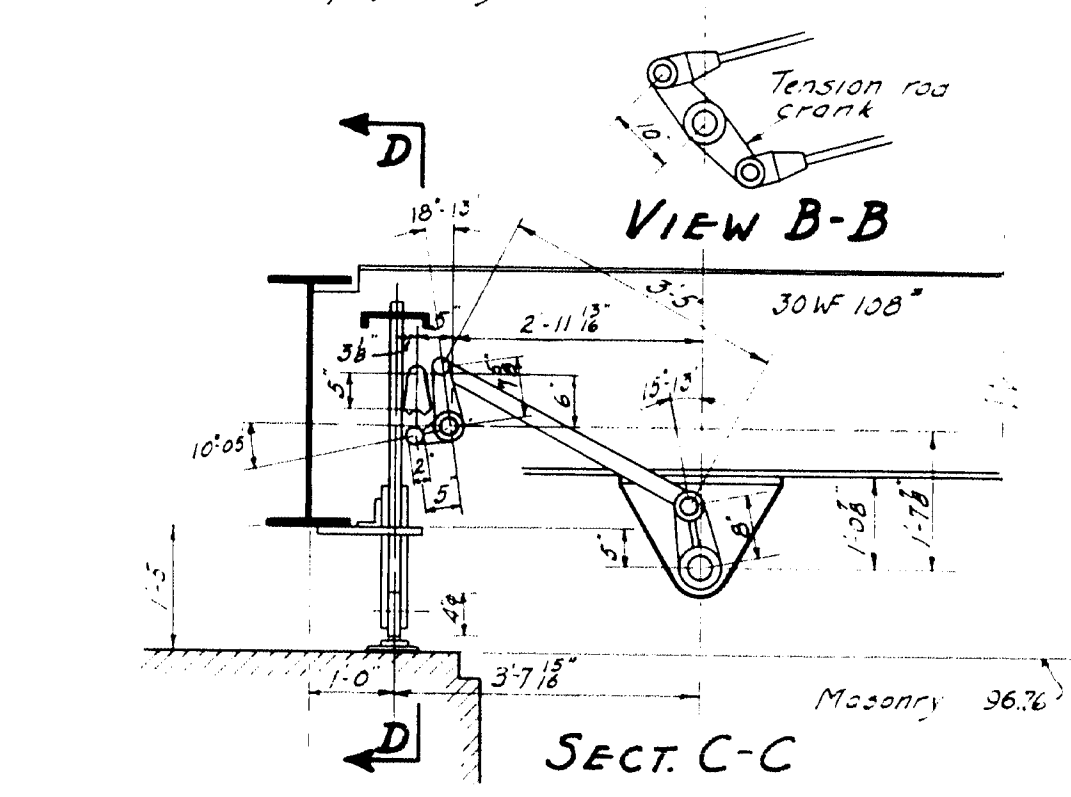
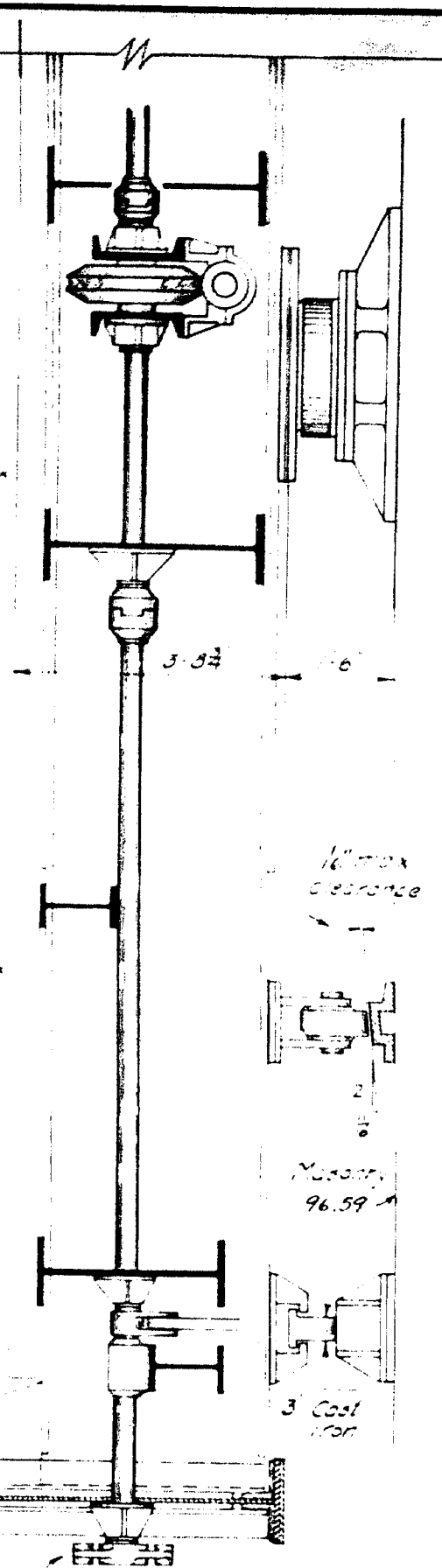
$c = 1.55$
 $c = 1.55$
 $a = .55$ $b = .25$

Estimated total load on pivot: 625 kips
 PD of rock: 20'-0"
 Bronze disc: 16"

Polar I = $\frac{M}{3} (a^2 + ab + b^2)$
 Mass = $\frac{W}{32.2}$
 Friction on disc: 15% $15 \times 625 = 9375$
 Force of rock to overcome friction: $\frac{9375 \times 1.31}{10 \times 3} = 416$
 Unbalanced wind load: $2 \frac{1}{2}$ lb per sq ft on long arm: $2.5 \times 6.5 \times .55 = 89$
 Force at rock to overcome wind: $89 \times 2.5 = 225$

Acceleration: Bridge to swing thru 30° distance travelled: $3 \times 4 \times 2 \times 3 = 72$
 Time of opening: 60 sec
 Time of acceleration: $\frac{1}{2} \times 5$ sec
 Time of uniform motion: $\frac{1}{2} \times 30$ sec
 Time of retardation: $\frac{1}{2} \times 5$ sec
 $V_a = V_r$ $V_u = 2 V_a$
 $15 V_a + 30 V_u = 15 V_a + 15 V_r = 15 V_a$
 $15 V_a + 60 V_a = 75 V_a = 570$
 $V_a = 7.6$ $1744 \frac{1}{2}$ per sec. (10' velocity)
 $V_u = 2 \times 1744 = 3489$ per sec.
 Polar I = $\frac{625000}{32.2} \left[.55^2 + .55 \times 2.5 + .25^2 \right] = 535$
 Force at rock to accelerate: $\frac{625000}{32.2} \times 3489 = 658578$
 Summary of forces at rock: Friction 416, Wind 225, Acceleration 658578

Bridge to open 30° in either direction
 Time of opening: 60 sec $\frac{1}{2}$ hr. reduction: 1831.1
 Time to pull wedges: 15 sec Total reduction: 1750.1
 Hand operation: For opening: 3 min. 10 minutes
 Pulling wedges: 2 men 2 minutes
 Lever arm for hand operation: 7'-0"



Details shown are suggestive of those to be used in the preparation of shop detail plans.
 All details to be in accordance with Maine State Highway Commission Bridge Division Specifications for Steel Highway Bridges Nov. 1945 and special specifications for this bridge.
 All gears to be cast steel of the 20° involute type.
 Each end wedge to lift long arm 1/8" against a load of 12000 lbs. D.L. deflection 1". Long arm drops 3/8" for a temperature differential of 10° between top and bottom flanges. Center wedges to be driven to firm bearing.

coatings and forgings to be annealed
 Spot face for all ball heads and nuts.
 Scribble pitch lines on both sides of all gears.
 Note: Span will hit backwall after a travel of 96" in either direction from the closed position.

DESIGN - EVERETT
 TRACE - FORTIER
 CHECK - HANCOCK

BRIDGE - 2047

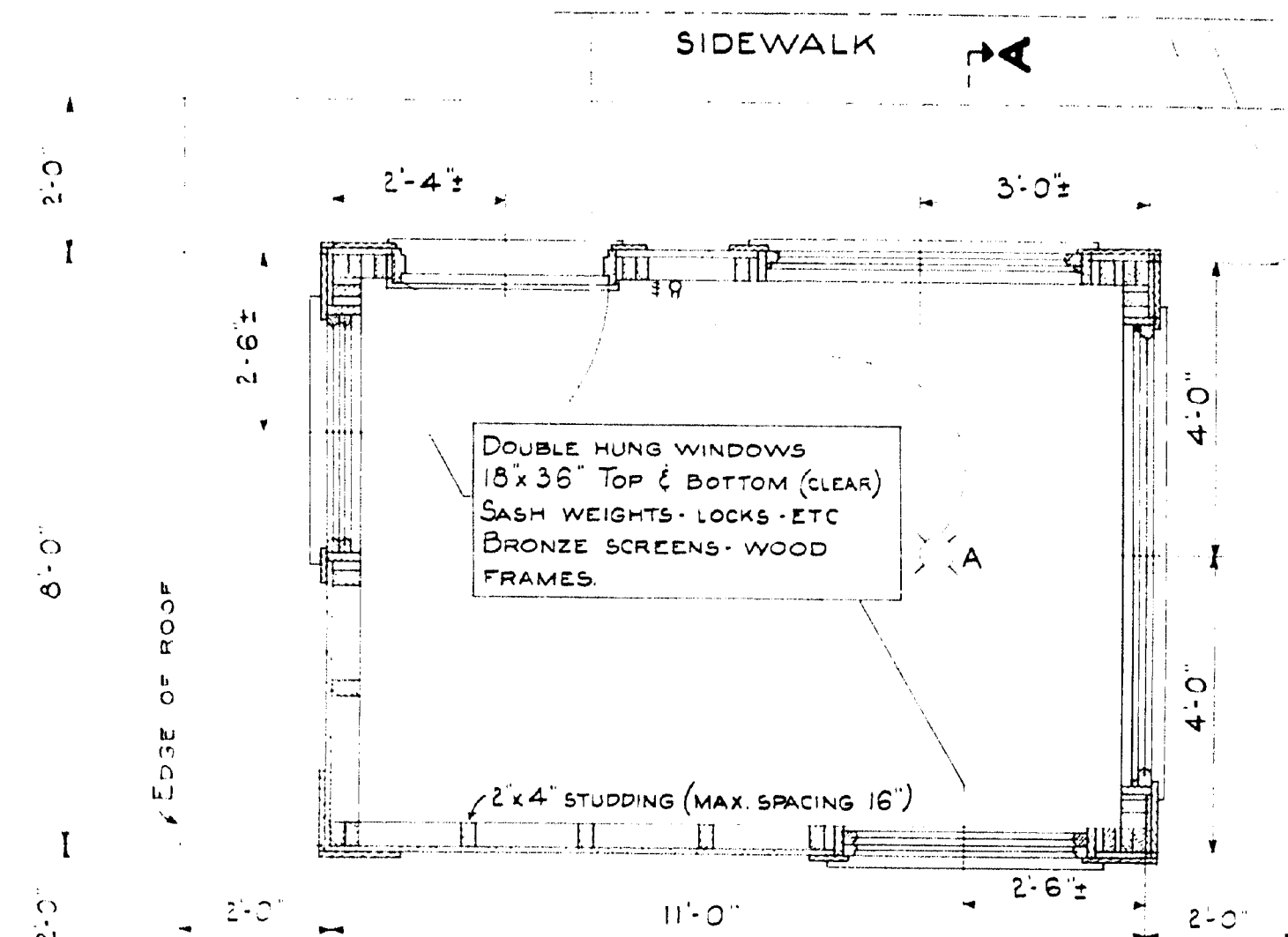
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

NAPLES BAY BRIDGE
 IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY
 MACHINERY

SHEET 13 OF 15 AUGUSTA, MAINE JAN. 1953

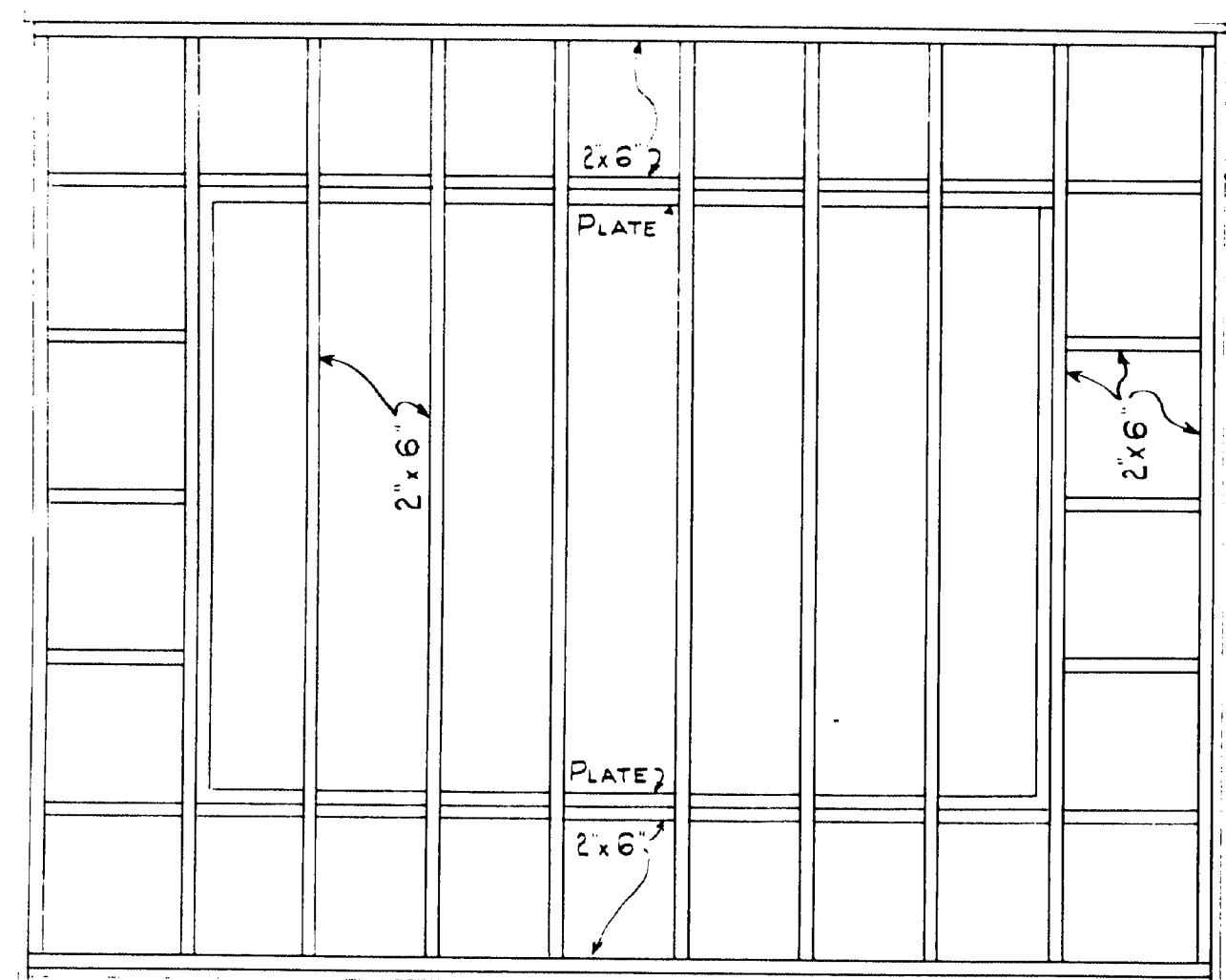


59-138

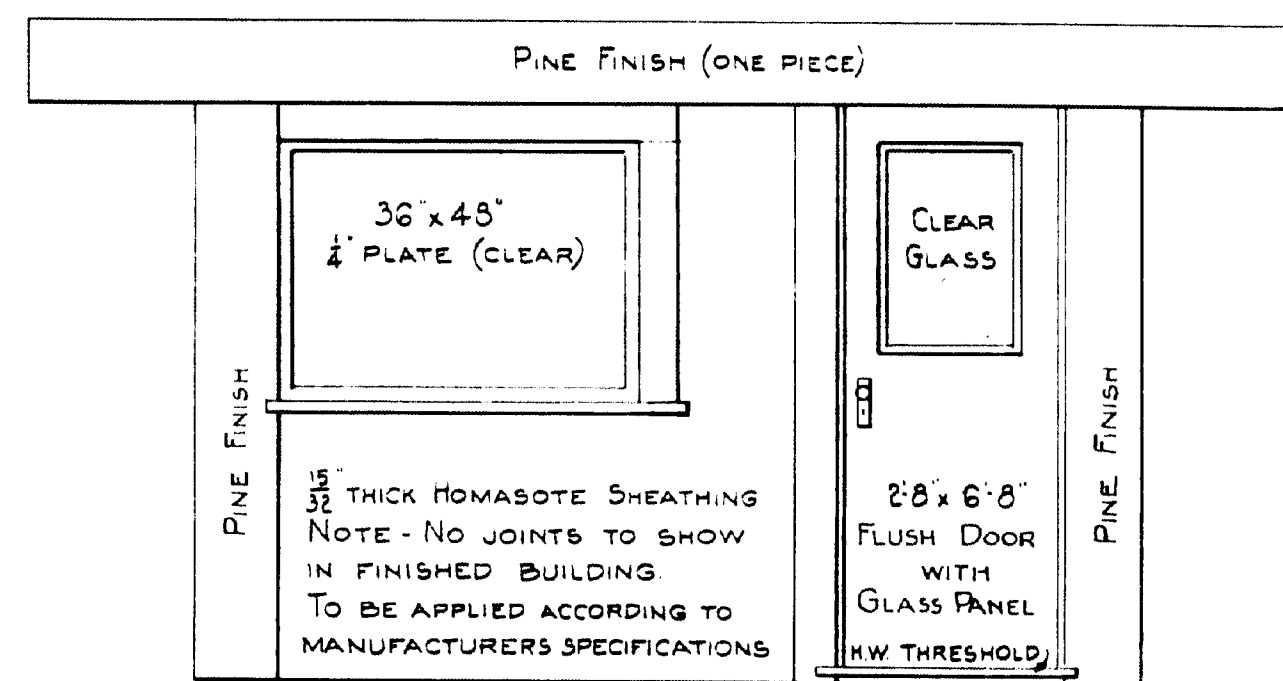


PLAN

NOTE:
A - WESTINGHOUSE #1218051-150 WATT LAMP
S - WALL SWITCH
O - DOUBLE WALL OUTLET

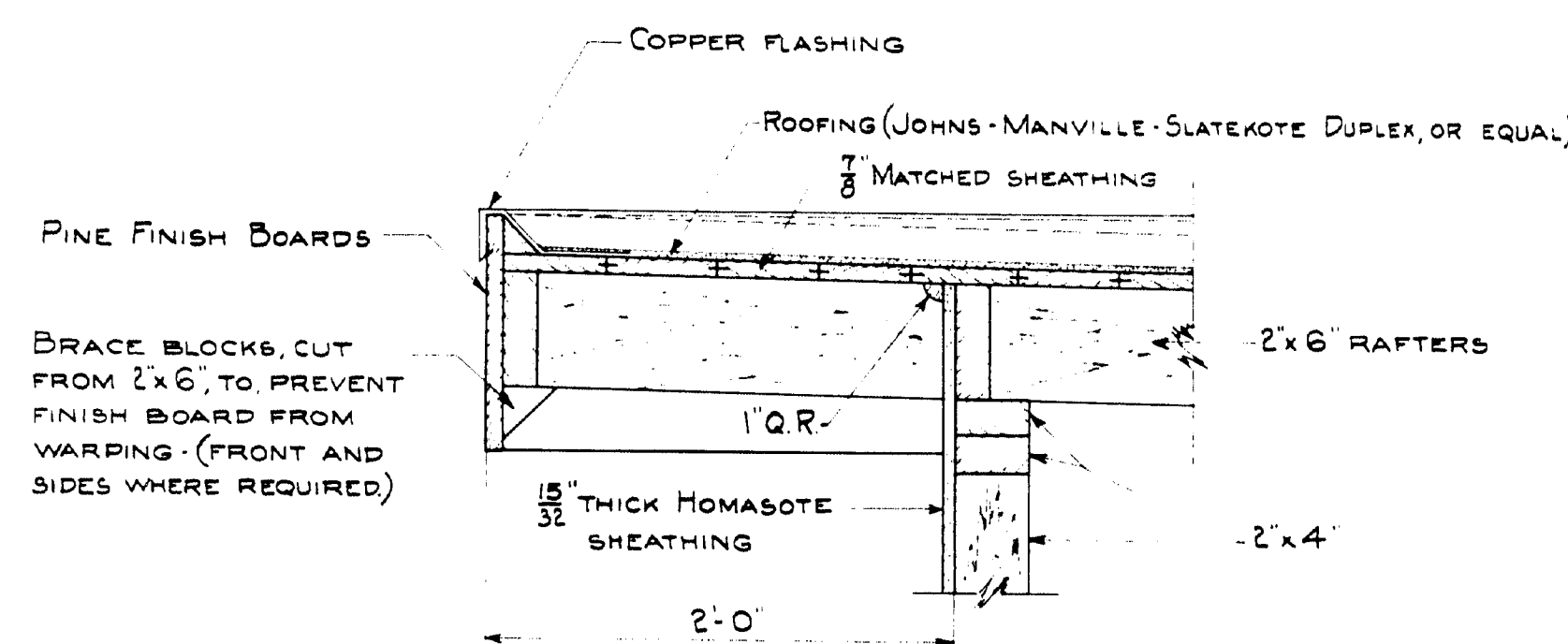


FRAMING PLAN-ROOF

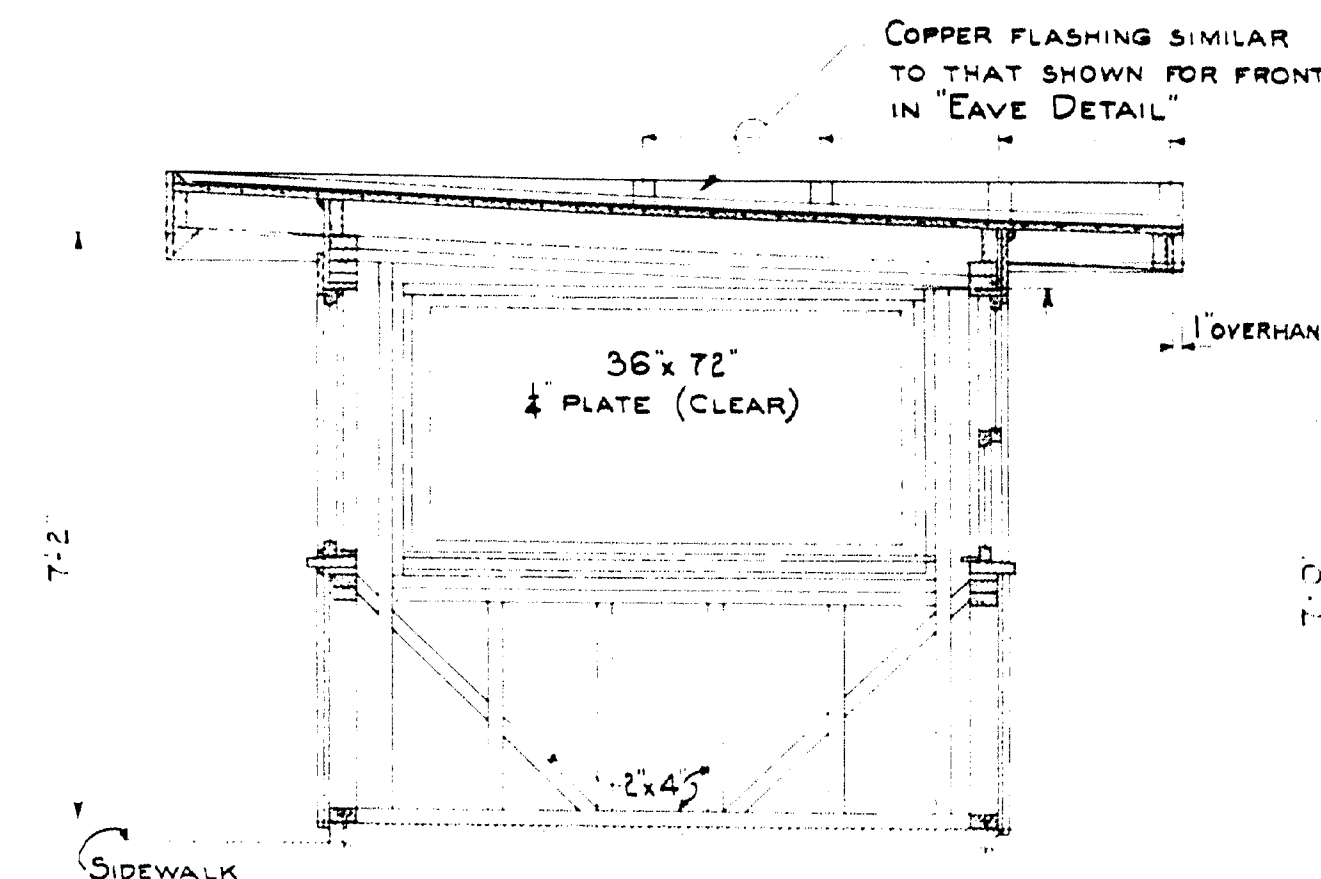


FRONT ELEVATION

OTHER ELEVATIONS ARE SIMILAR



EAVE DETAIL (TYPICAL)



SECTION A-A

2x3 WOOD STRAPS AT 2'-0" CTR'S FASTENED TO FINISH BOARDS ON INSIDE FACE TO KEEP FROM WARPING

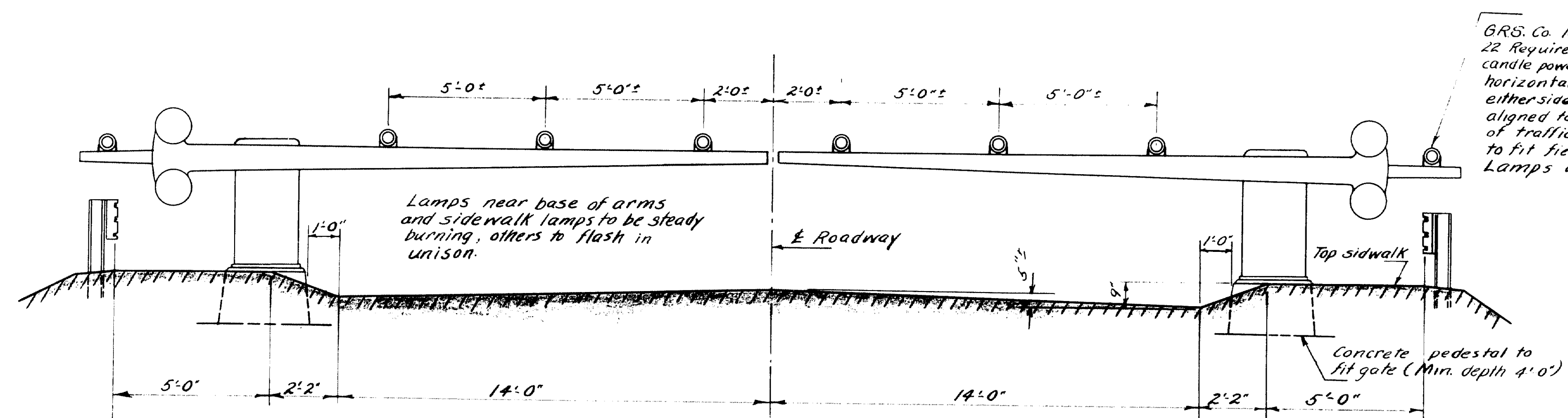
NOTE: BOTTOM OF REAR PLATE TO GOVERN HEIGHT TO WHICH WINDOWS SHALL BE SET.

GENERAL NOTES
LUMBER - ALL LUMBER NO. 1, MERCHANTABLE, D45
HARDWARE - ALL HARDWARE FOR DOOR AND WINDOWS, INCLUDING LOCKS
PAINTING - SEAL COAT ONLY, EXTERIOR, LEAD AND OIL PAINT. CUT TWO PARTS PAINT TO ONE PART VARNISH SIZE FOR HOMASOTE.

DESIGN & TRACE - HAMILTON	BRIDGE - 2047
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NAPLES BAY BRIDGE	
IN THE TOWN OF	
NAPLES	
CUMBERLAND COUNTY	
OPERATORS HOUSE	
SHEET 14 OF 15	AUGUSTA, MAINE JAN. 1953

59-139

0 1 2 3 4 5 INCHES



TYPICAL GATE (2 Arms electrically operated)

Required: 2 gates as indicated above. (double arm)
 2 gates with single roadway arm and no sidewalk arm.
 All gates to operate thru 90°

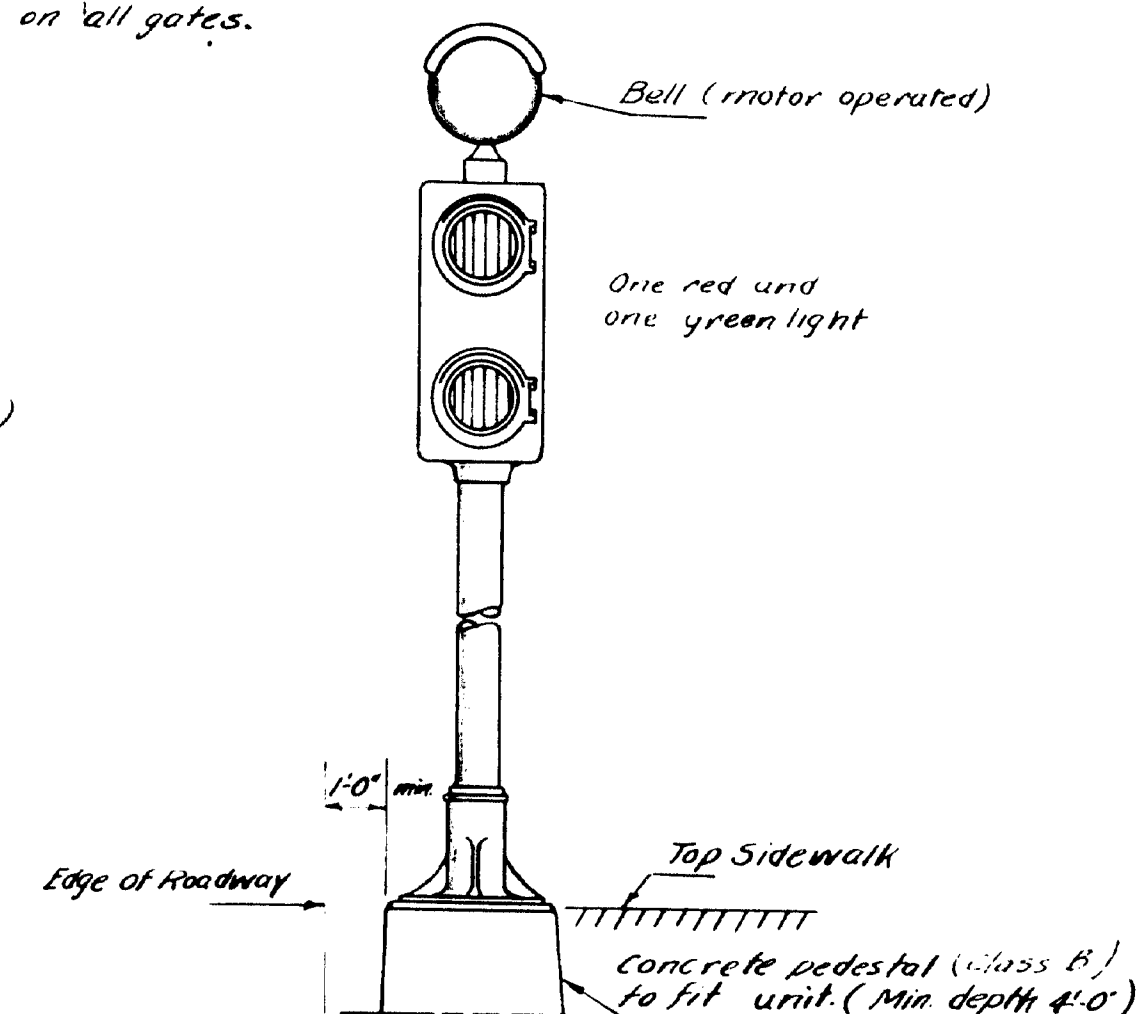
Gates to be Norwood-Noonan Electric Crossing Gate, or equivalent, to
 operate on 110 volt, 60 cycle, single phase power supply.

Gate motors to be furnished complete
 with built-in overload protection.

SEQUENCE OF OPERATION FOR TRAFFIC GATES AND WARNING SIGNALS

Green traffic signal lights to show at all times when
 span is closed.

- Before opening span:
1. Green lights to go off, red lights to show, bells to ring, and
 single arm gates to lower. Bells to ring only while gates are being
 lowered or raised. Each single gate to be controlled separately
 from operators house, and be interlocked with double gates.
 2. Double gates to be lowered. Both sets of double gates to be operated
 simultaneously from operators house. Double gates to be interlocked
 with wedge operating machinery.
 3. After span is fully closed it should be possible to raise gates
 simultaneously, if desired.



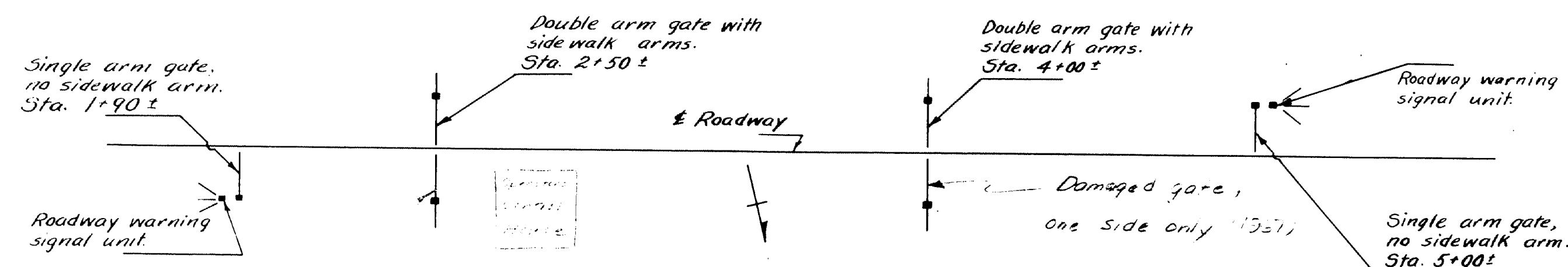
ROADWAY WARNING

SIGNAL UNIT

(Typical) 2 Required

Signal unit to be Norwood-Noonan
 Signal light unit SL-50 or equivalent.
 To operate on 110 volt 60 cycle single
 phase power supply.

Note: Payment for complete installation of all concrete
 pedestals to be included in lump sum price for installing
 electrical equipment as bid by the General Contractor.



PLAN OF INSTALLATION

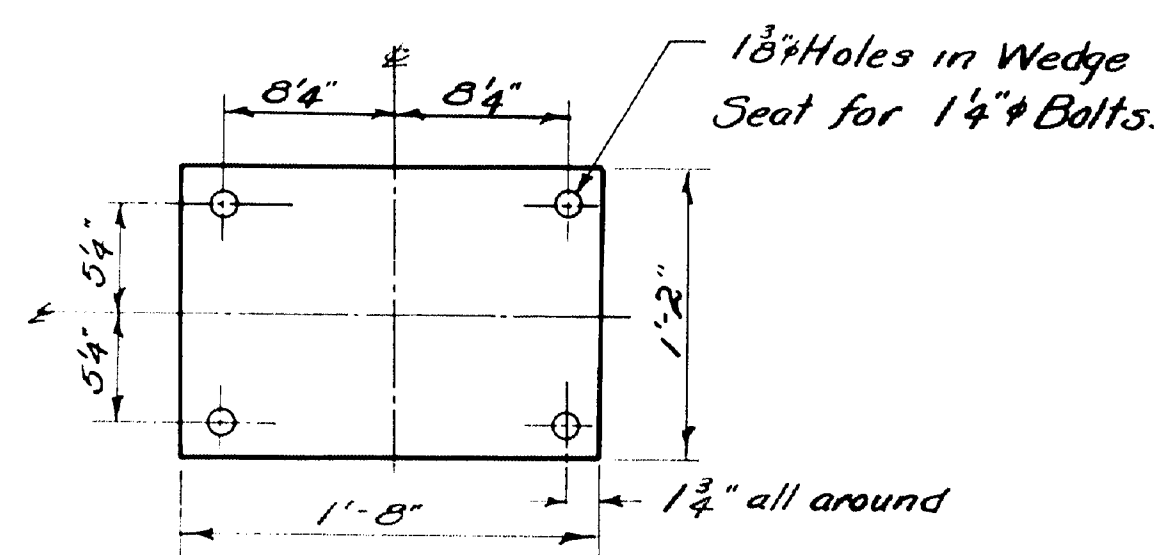
All underground wiring to be
 placed in conduit.

Note: Control wiring for the operation of gates
 signals etc. on the westerly approach to be
 carried overhead. It is contemplated that overhead
 wiring will be carried on existing utility poles.

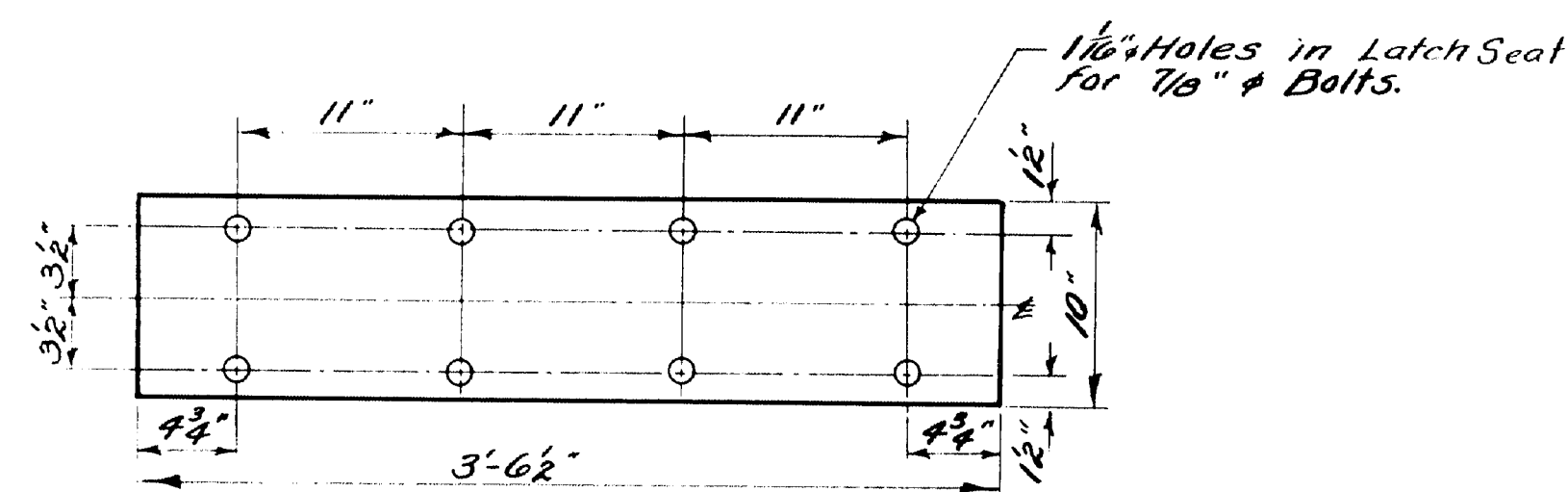
DESIGN - EVERETT	BRIDGE
TRACE - SIRGIS	
CHECK -	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NAPLES BAY BRIDGE	
IN THE TOWN OF	
NAPLES	
CUMBERLAND COUNTY	
TRAFFIC CONTROL SYSTEM	
SHEET 15 OF 15 AUGUSTA, MAINE DEC. 1952	

59-140

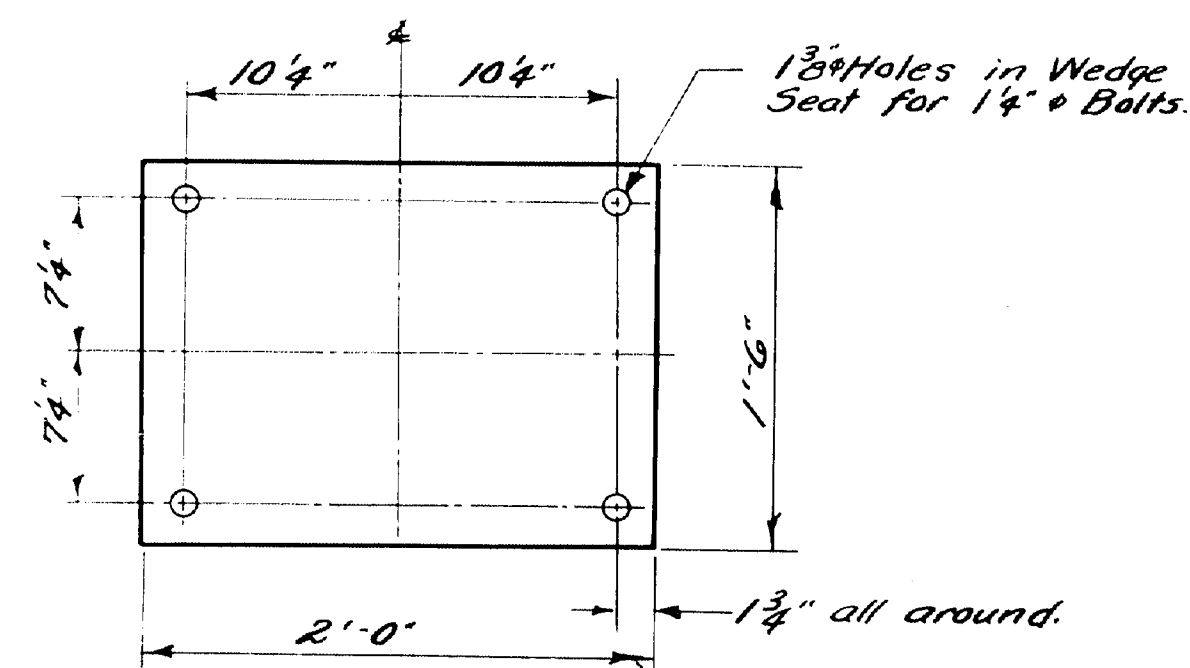
0 1 2 3 4 5 INCHES



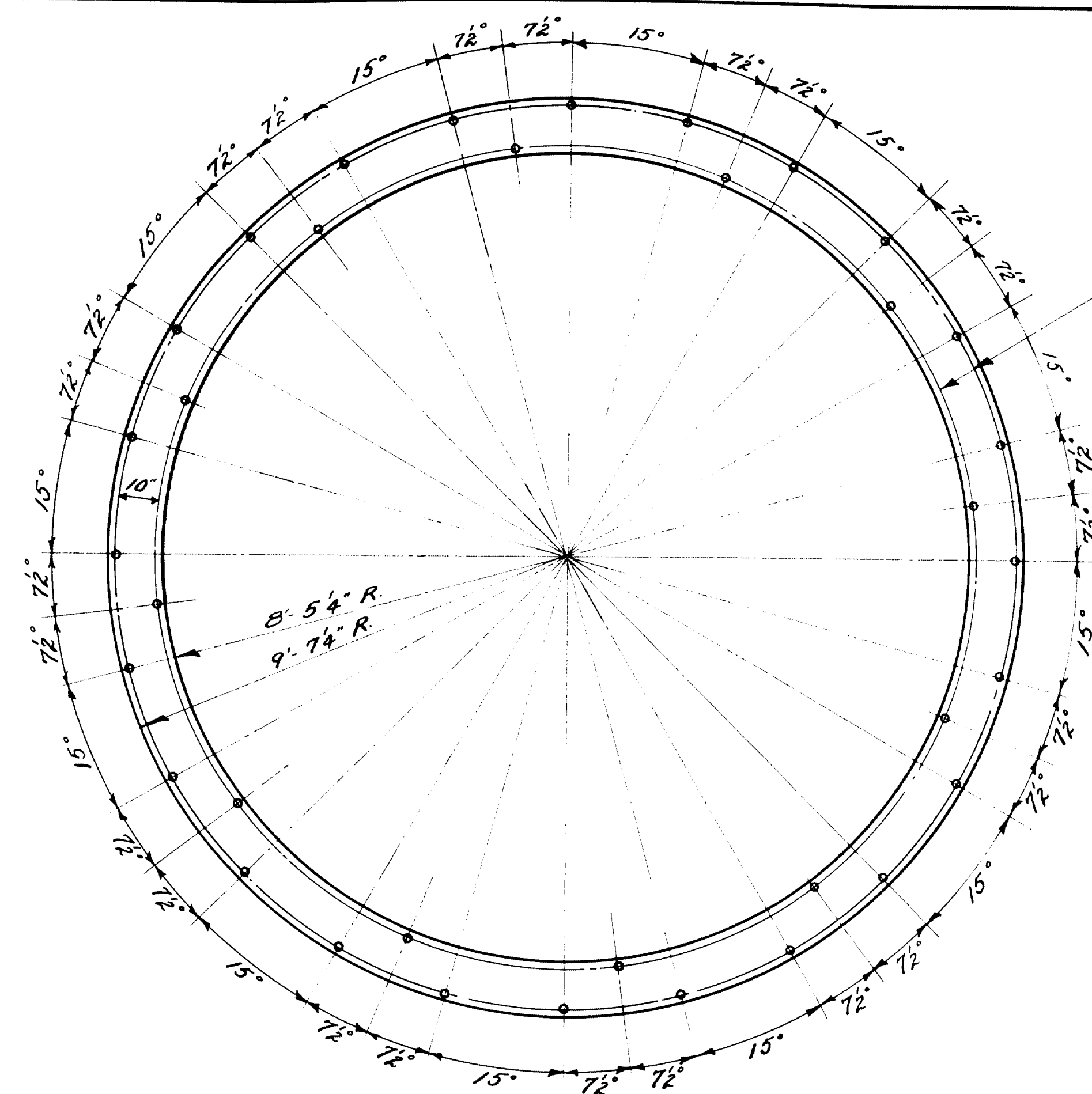
WEDGE
Abutment No. 2, 2 Required.



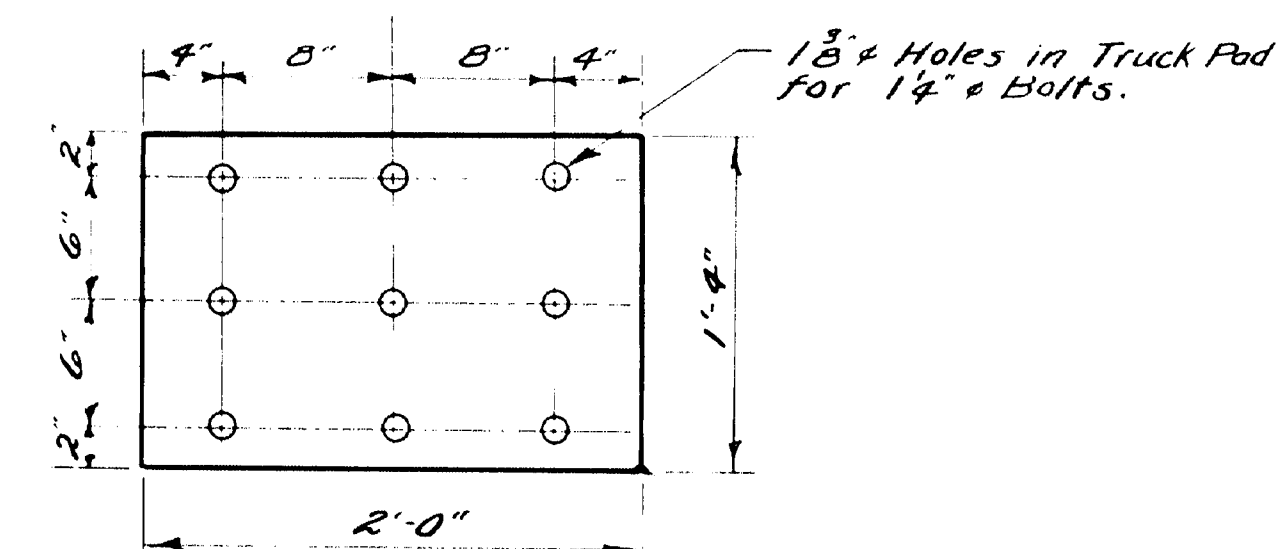
LATCH
Abutment No. 2, 1 Required.



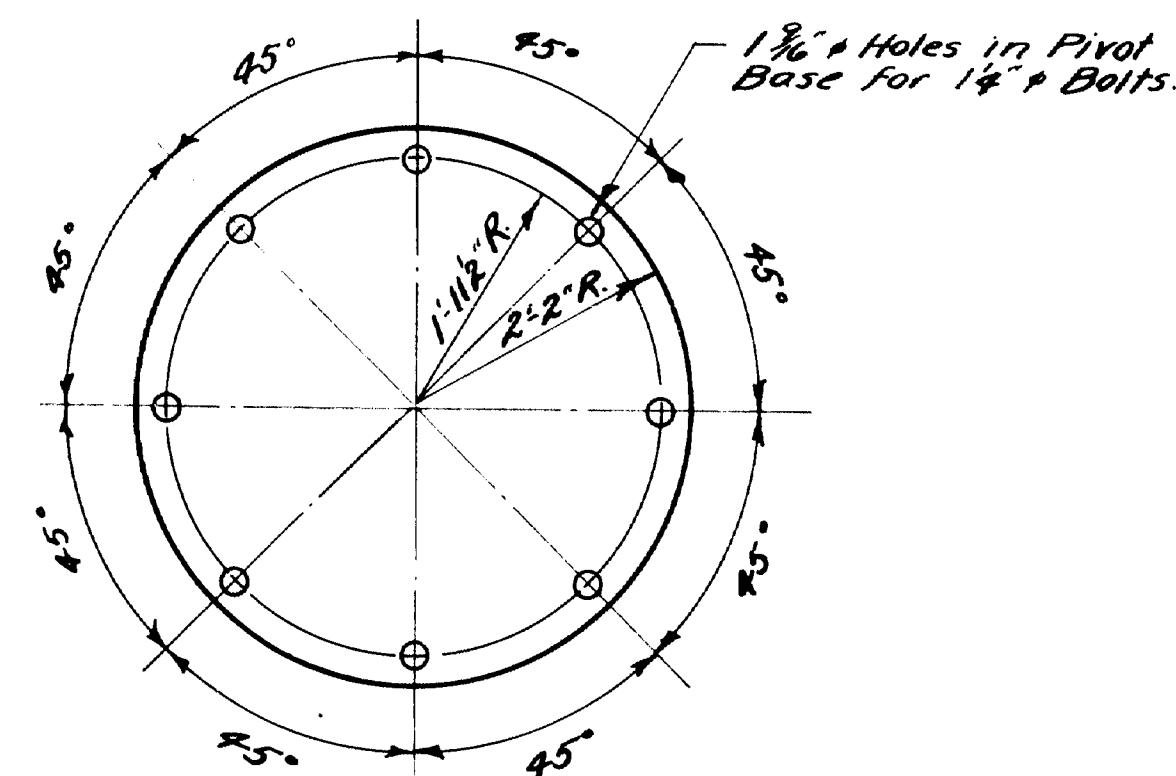
CENTER WEDGE
Abutment No. 1, 2 Required.



TRACK
Abutment No. 1, 1 Required



TRUCK PAD
Abutment No. 1, 2 Required.

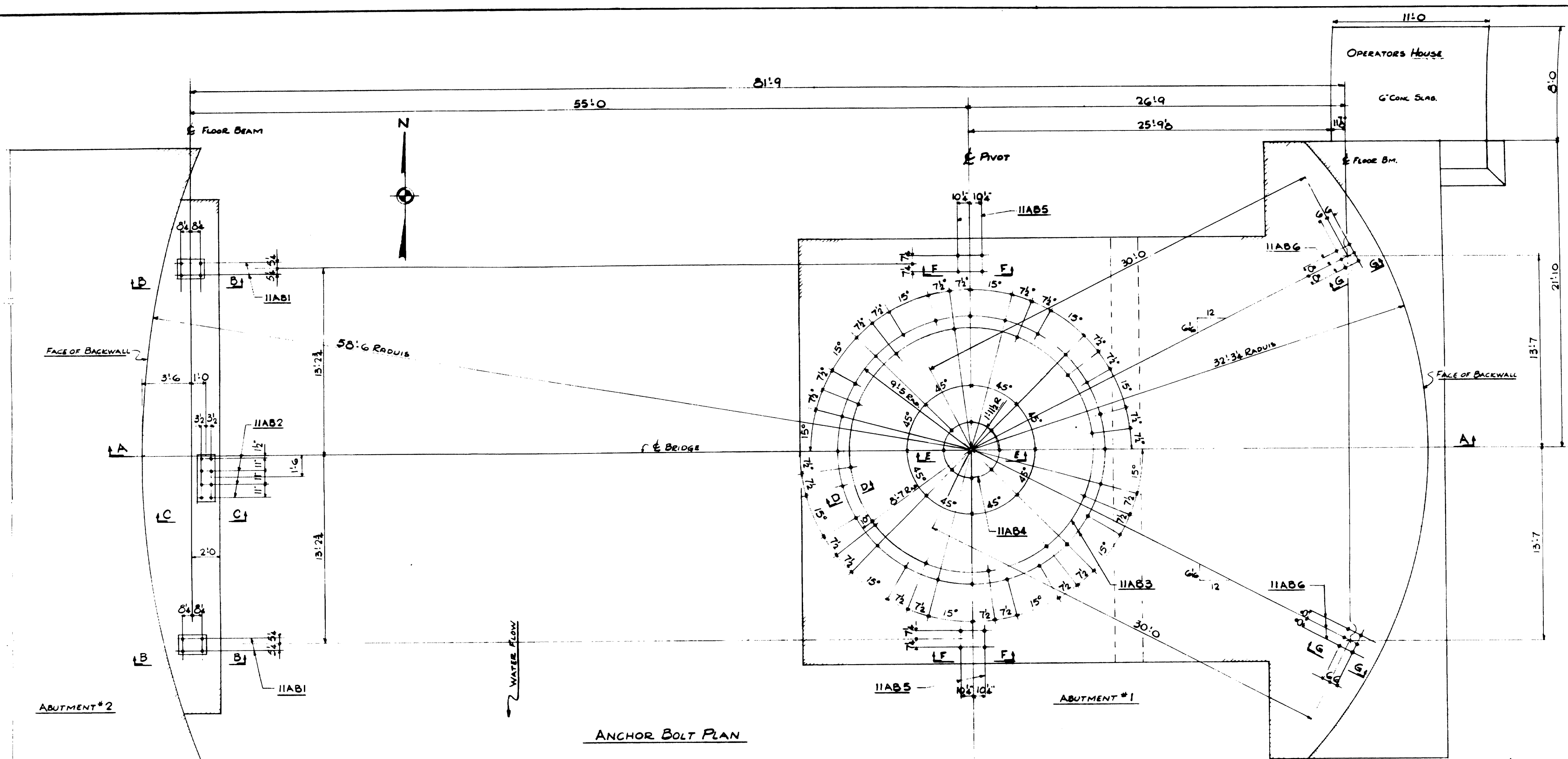


PIVOT
Abutment No. 1, 1 Required.

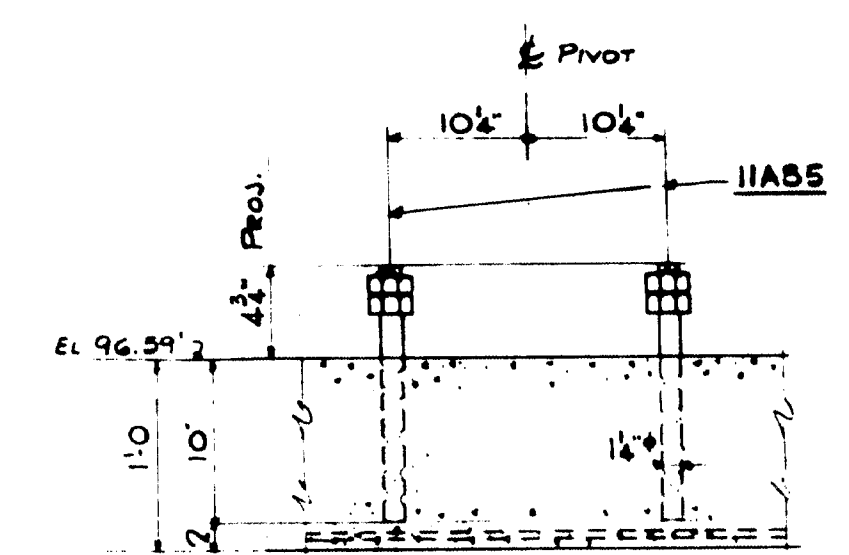
NOTE:
The outline dimensions shown are the same as those for the metal bases.

DESIGN - HARRIS	BRIDGE
DETAIL & TRACE - SIOIS	
CHECK - <i>[Signature]</i>	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
NAPLES BAY BRIDGE IN THE TOWN OF NAPLES	
CUMBERLAND COUNTY Metal Bearing Areas	
AUGUSTA ME.	DEC. 1953

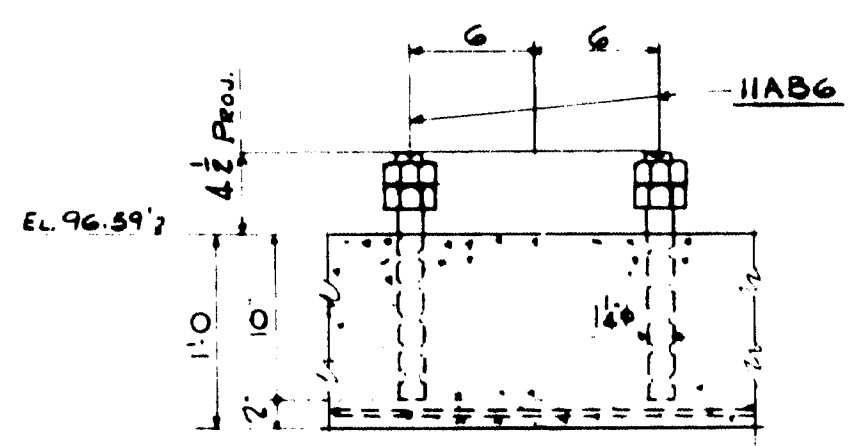
59-141



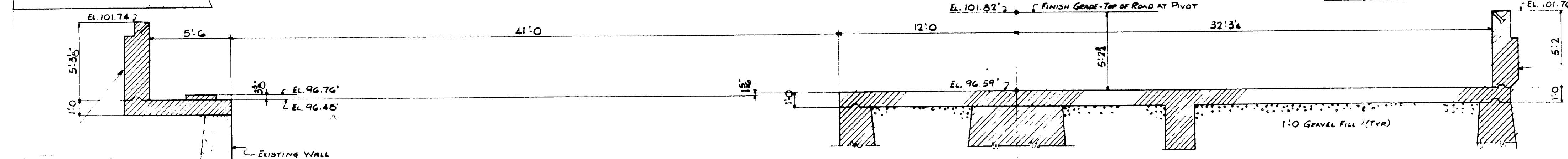
ANCHOR BOLT PLAN



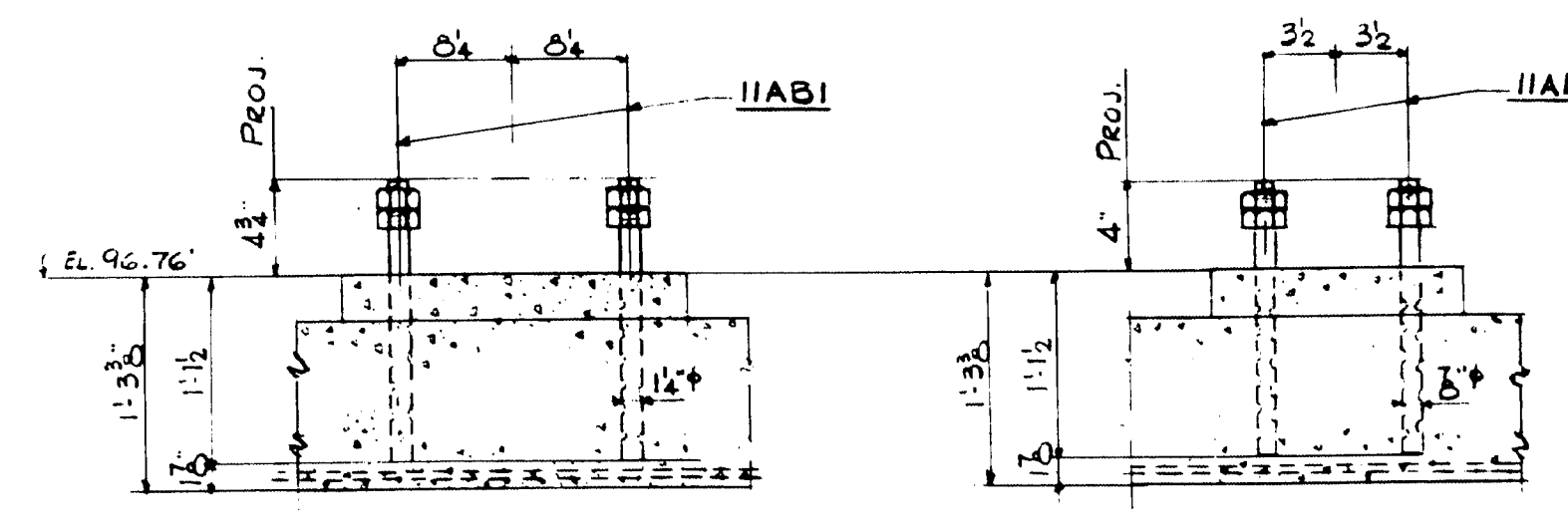
SECTION - FF



SECTION - GG

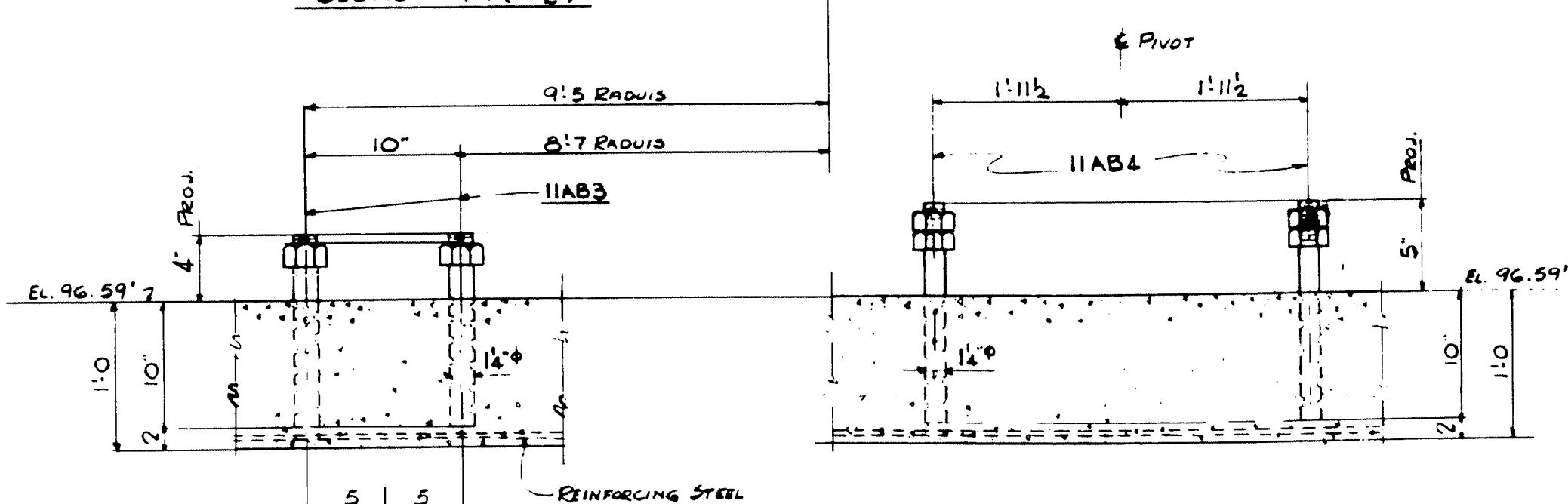


SECTION - AA (at E)



SECTION - BB

SECTION - CC

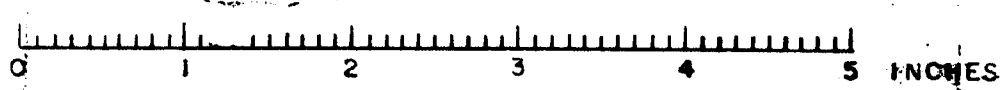


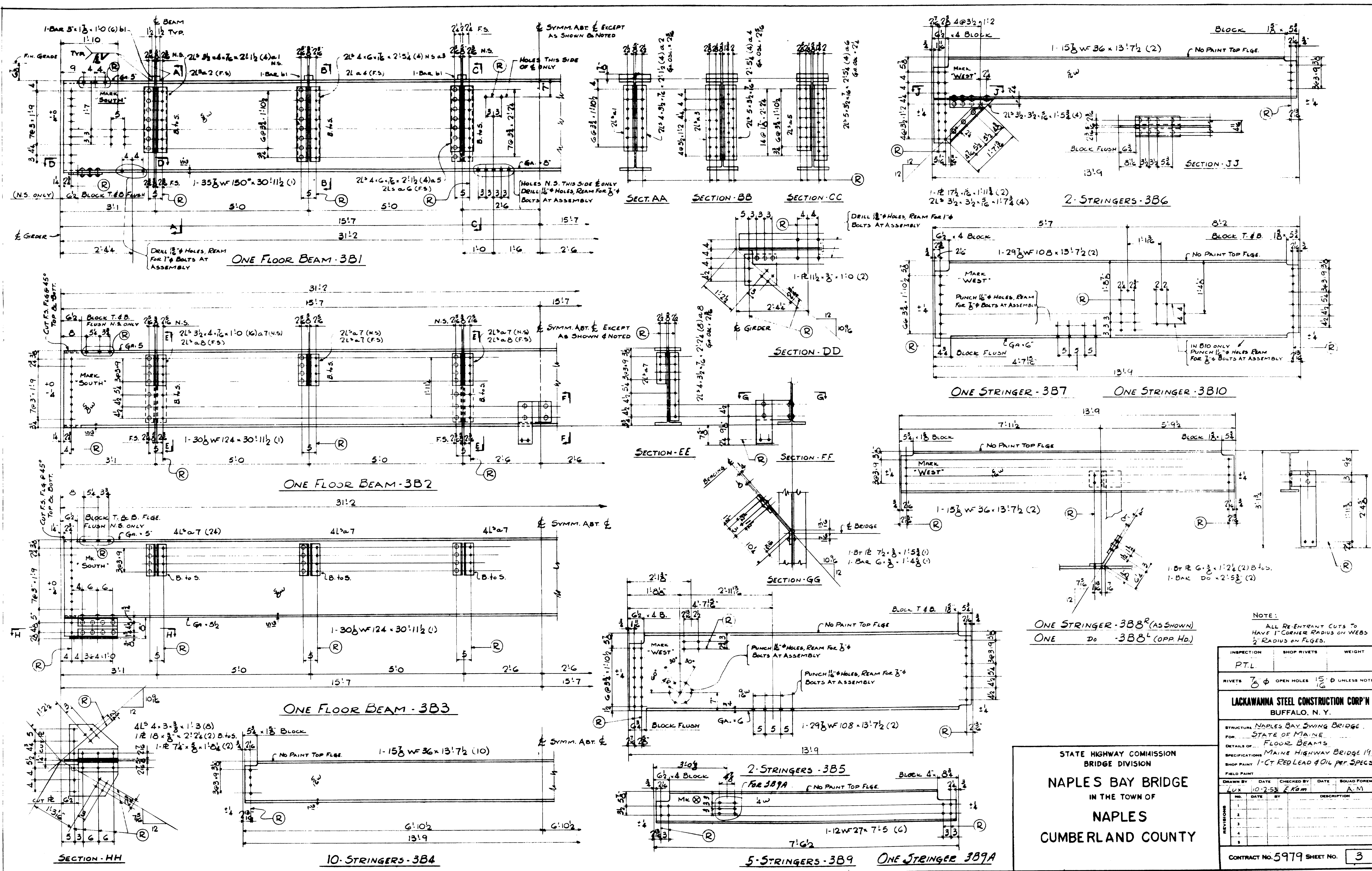
SECTION - DD

SECTION - EE

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES		UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.					
STRUCTURE <u>NAPLES BAY SWING BRIDGE</u>					
FOR <u>STATE OF MAINE</u>					
DETAILS OF <u>FOUNDATION PLAN</u>					
SPECIFICATIONS <u>MAINE STEEL HIGHWAY BR 1945</u>					
SHOP PRINT					
FIELD PRINT					
DRAWN BY		DATE		CHECKED BY	
LUX		12-2-53			
				DATE	
				SQUAD FOREMAN	
				AM	
REVISIONS		NO.		DATE	
		BY		DESCRIPTION	
1					
2					
3					
4					
5					
CONTRACT NO. 5979 SHEET NO.					
FI					





NOTE: ALL RE-ENTRANT CUTS TO HAVE 1" CORNER RADIUS ON WEBS 1/2" RADIUS ON FLGES.

INSPECTION	SHOP RIVETS	WEIGHT
PTL		
RIVETS	7/8" OPEN HOLES 1 1/2" UNLESS NOTED	

LACKAWANNA STEEL CONSTRUCTION CORP'N
BUFFALO, N. Y.

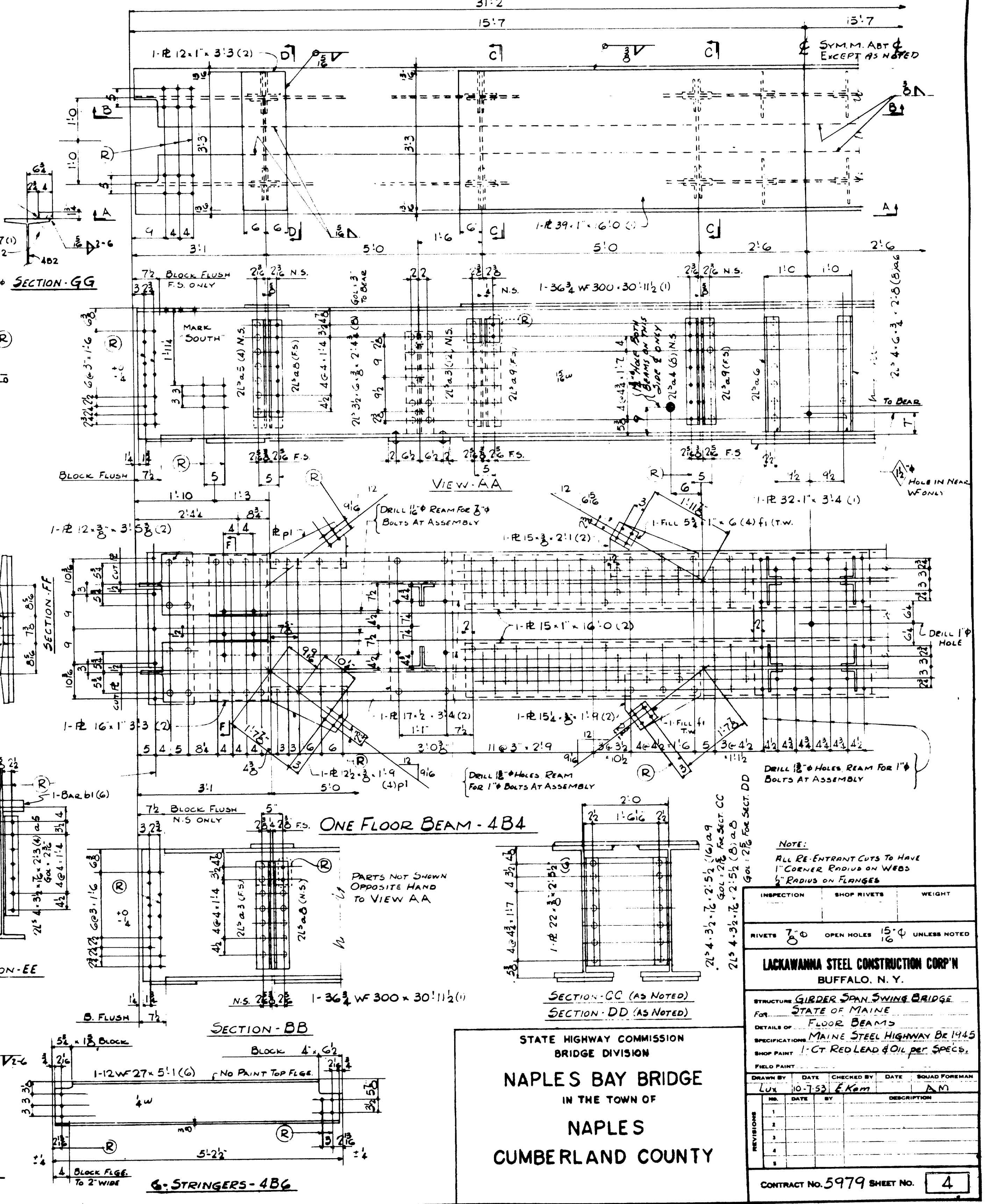
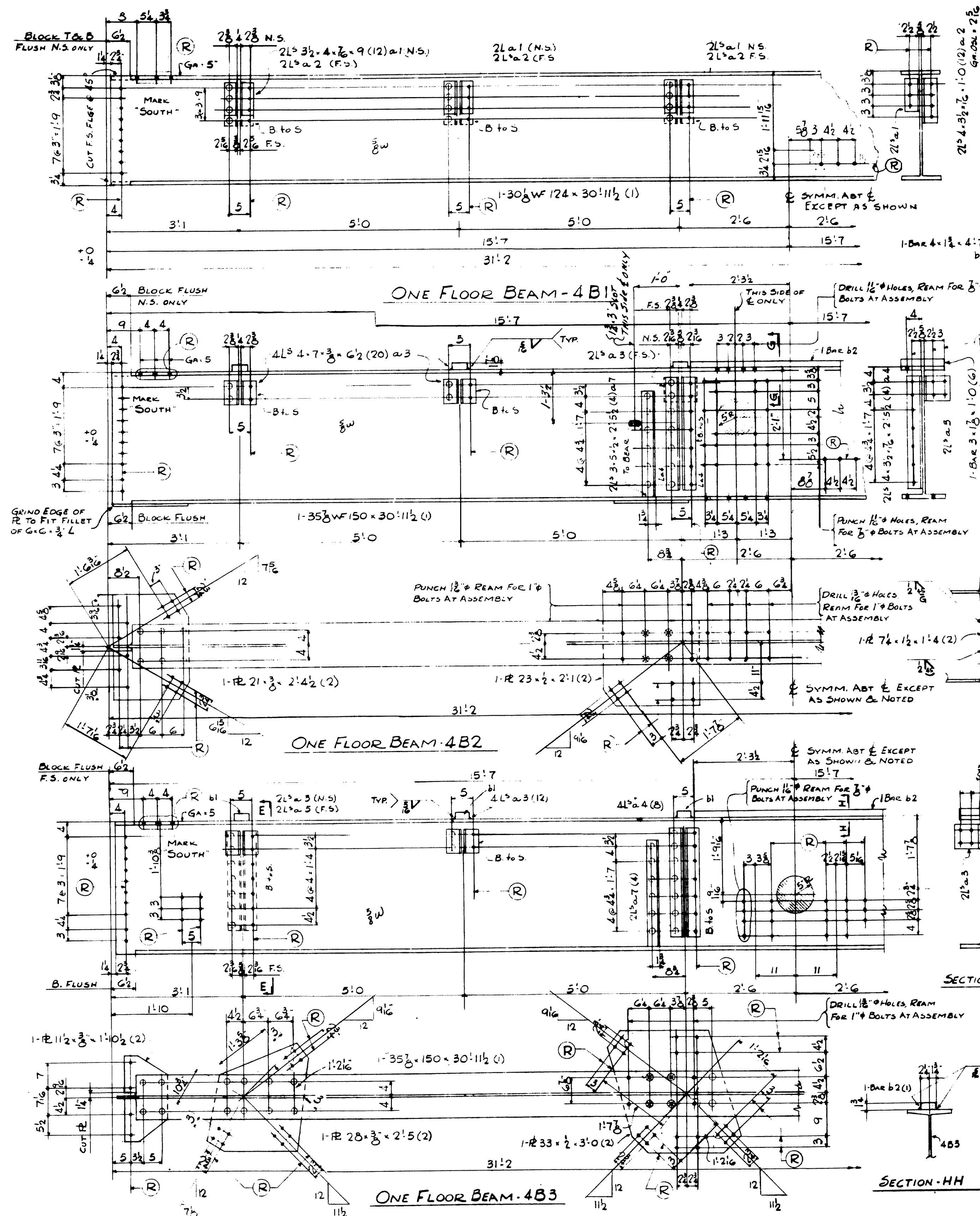
STRUCTURE: NAPLES BAY SWING BRIDGE
FOR: STATE OF MAINE
DETAILS OF: FLOOR BEAMS
SPECIFICATIONS: MAINE HIGHWAY BRIDGE 1945
SHOP PAINT: 1-Ct RED LEAD & OIL PER SPECS

FIELD PAINT		DATE		CHECKED BY		DATE		SQUAD FOREMAN	
NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION	NO.	DATE
1				1				1	
2				2				2	
3				3				3	
4				4				4	
5				5				5	

CONTRACT NO. 5979 SHEET NO. **3**

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

61-109



NOTE:
 ALL RE-ENTRANT CUTS TO HAVE
 1" CORNER RADIUS ON WEBS
 1" RADIUS ON FLANGES

INSPECTION	SHOP RIVETS	WEIGHT
RIVETS 3/8"	OPEN HOLES 1/2"	UNLESS NOTED

LACKAWANNA STEEL CONSTRUCTION CORP.
 BUFFALO, N. Y.

STRUCTURE: GIRDER SPAN SWING BRIDGE
 FOR: STATE OF MAINE
 DETAILS OF: FLOOR BEAMS
 SPECIFICATIONS: MAINE STEEL HIGHWAY BR 1945
 SHOP PAINT: 1" GT RED LEAD & OIL PER SPEC.

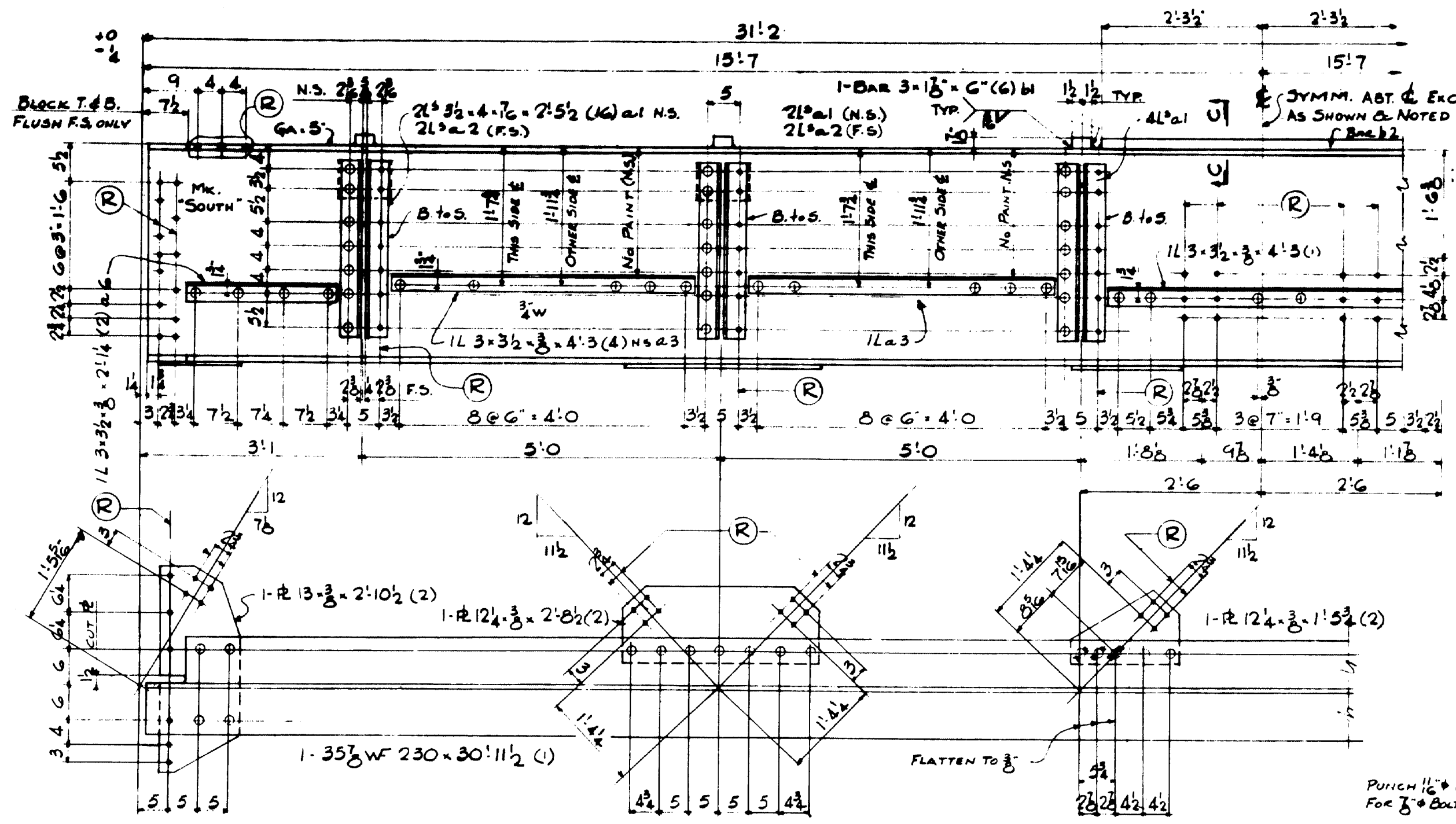
FIELD PAINT

DRAWN BY	DATE	CHECKED BY	DATE	SOLID FOREMAN
LUX	10-1-53	E. Rem		R.M.

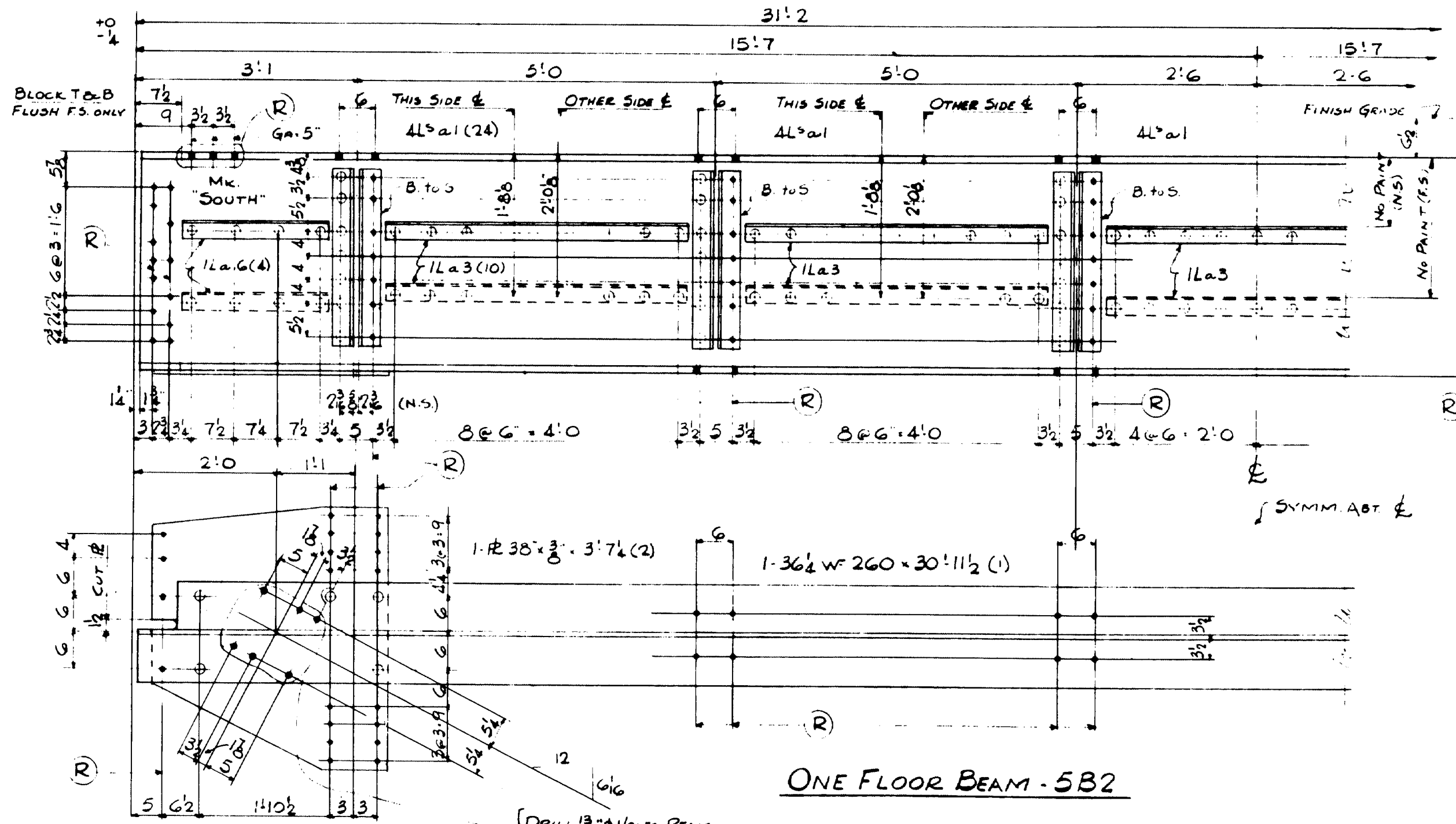
REVISIONS

NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			

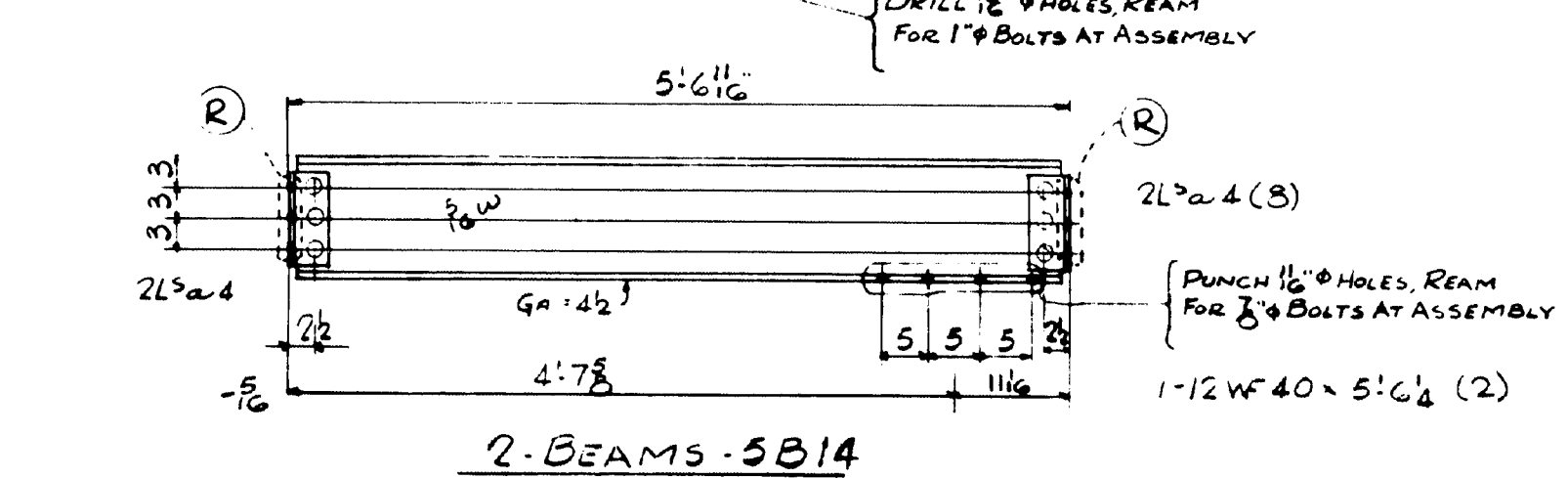
CONTRACT NO. 5979 SHEET NO. 4



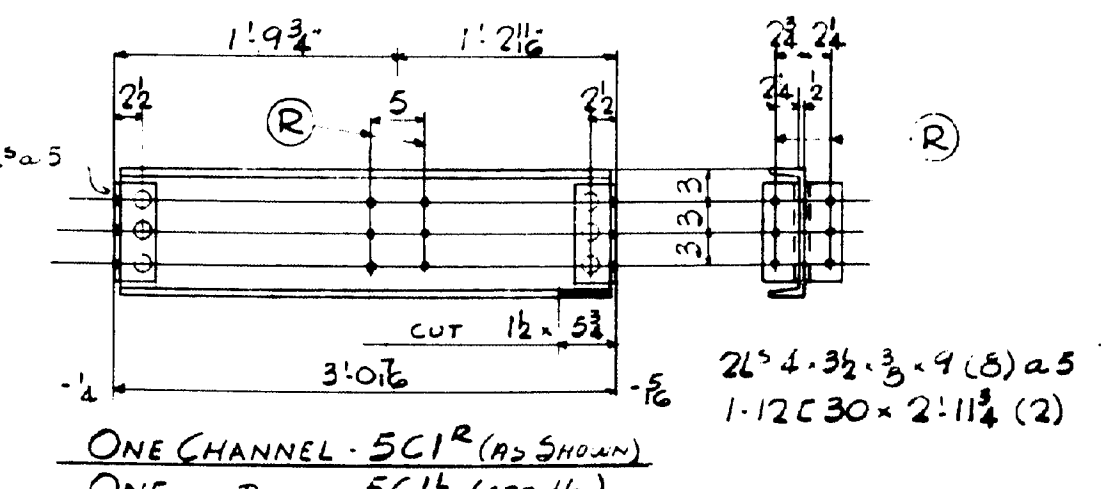
ONE FLOOR BEAM - SB1



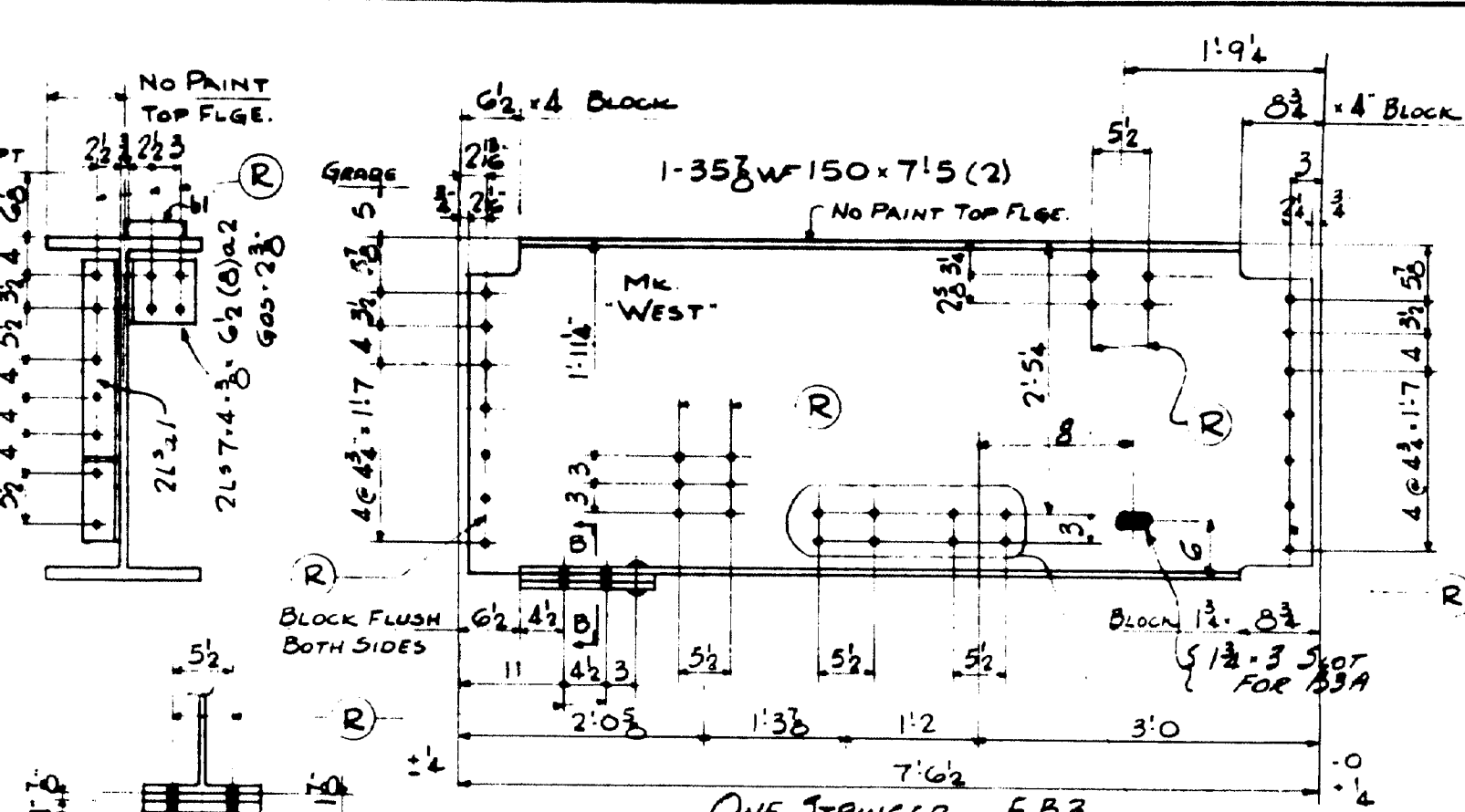
ONE FLOOR BEAM - SB2



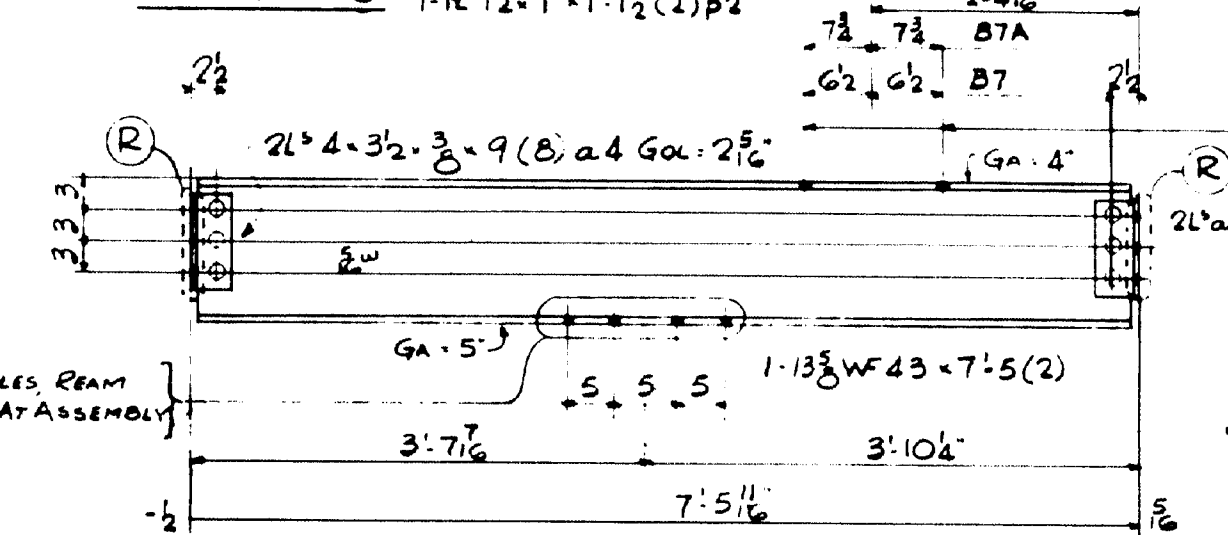
2 BEAMS - SB14



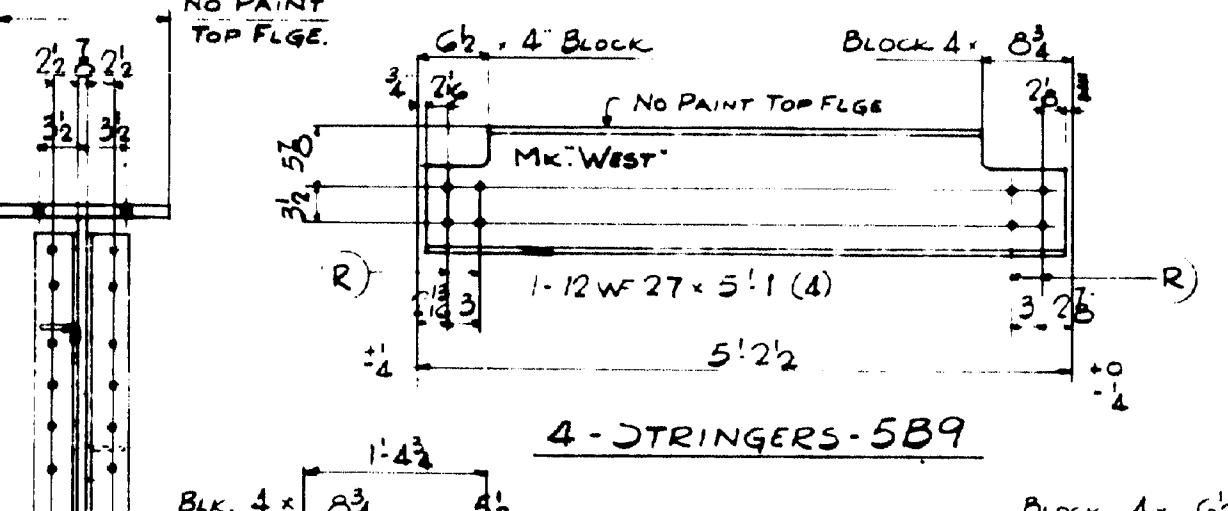
ONE CHANNEL - SC12 (AS SHOWN)
ONE DO - SC12 (OPP. HD.)



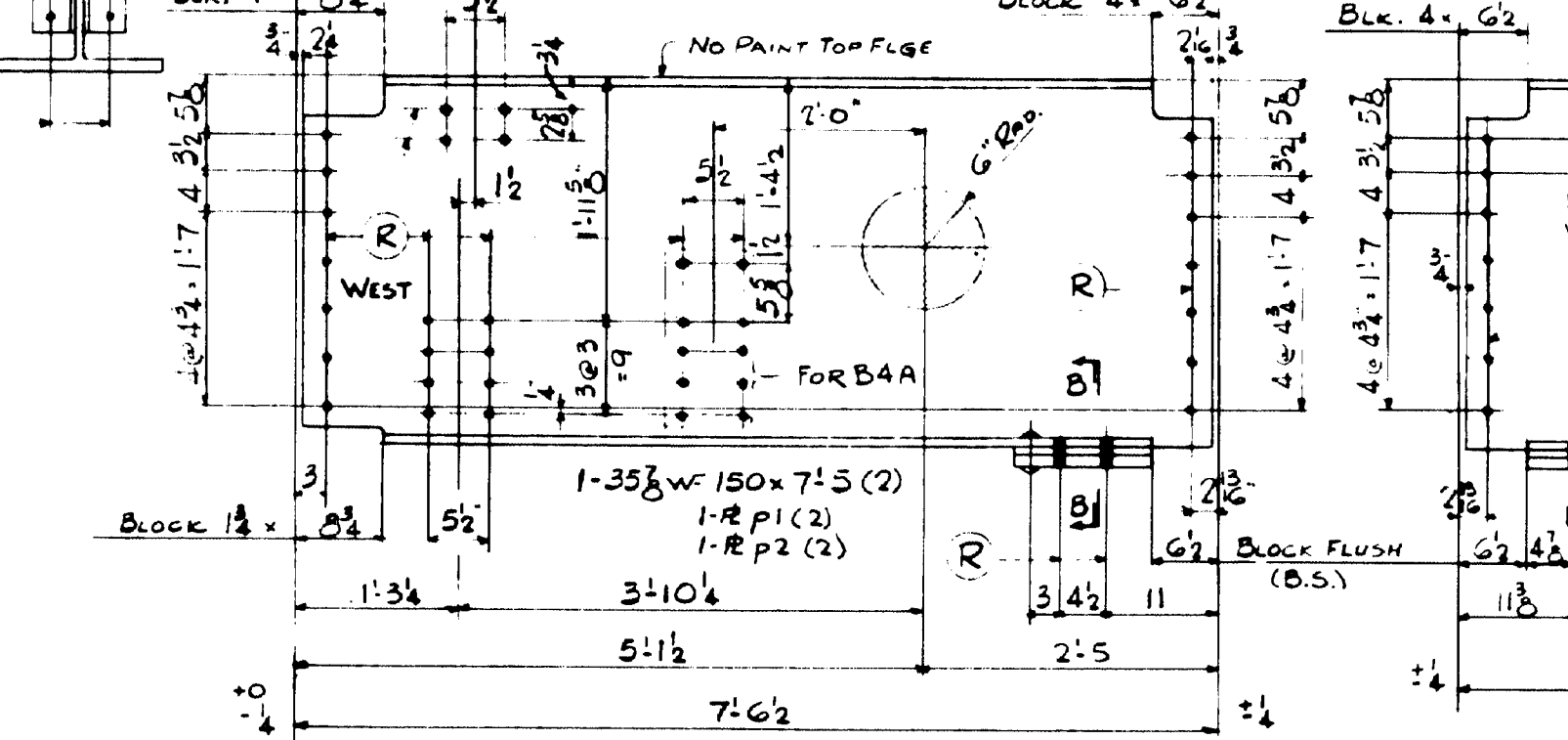
ONE STRINGER - SB3
ONE STRINGER - SB3A



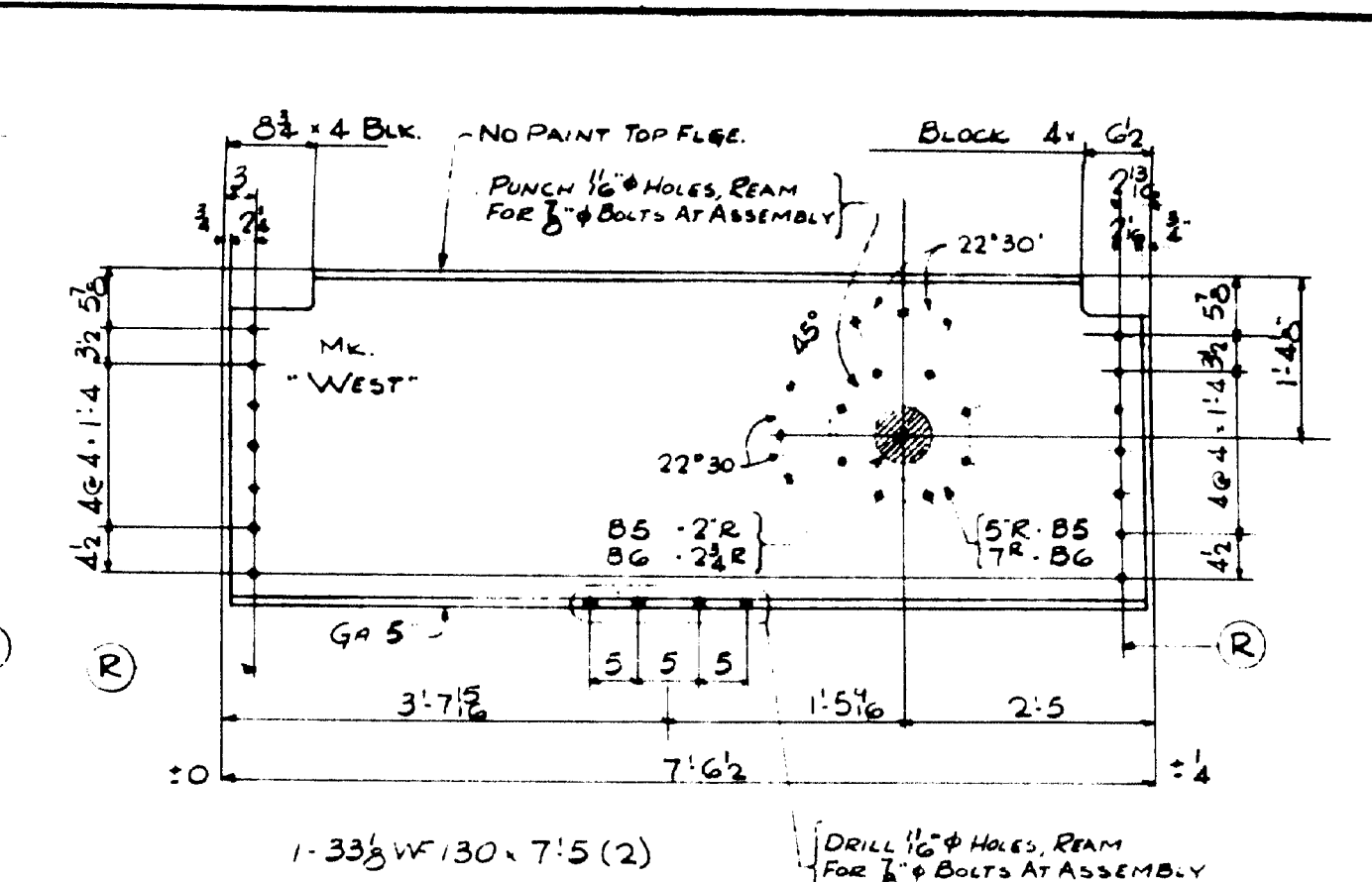
ONE BEAM - SB7
ONE BEAM - SB7A



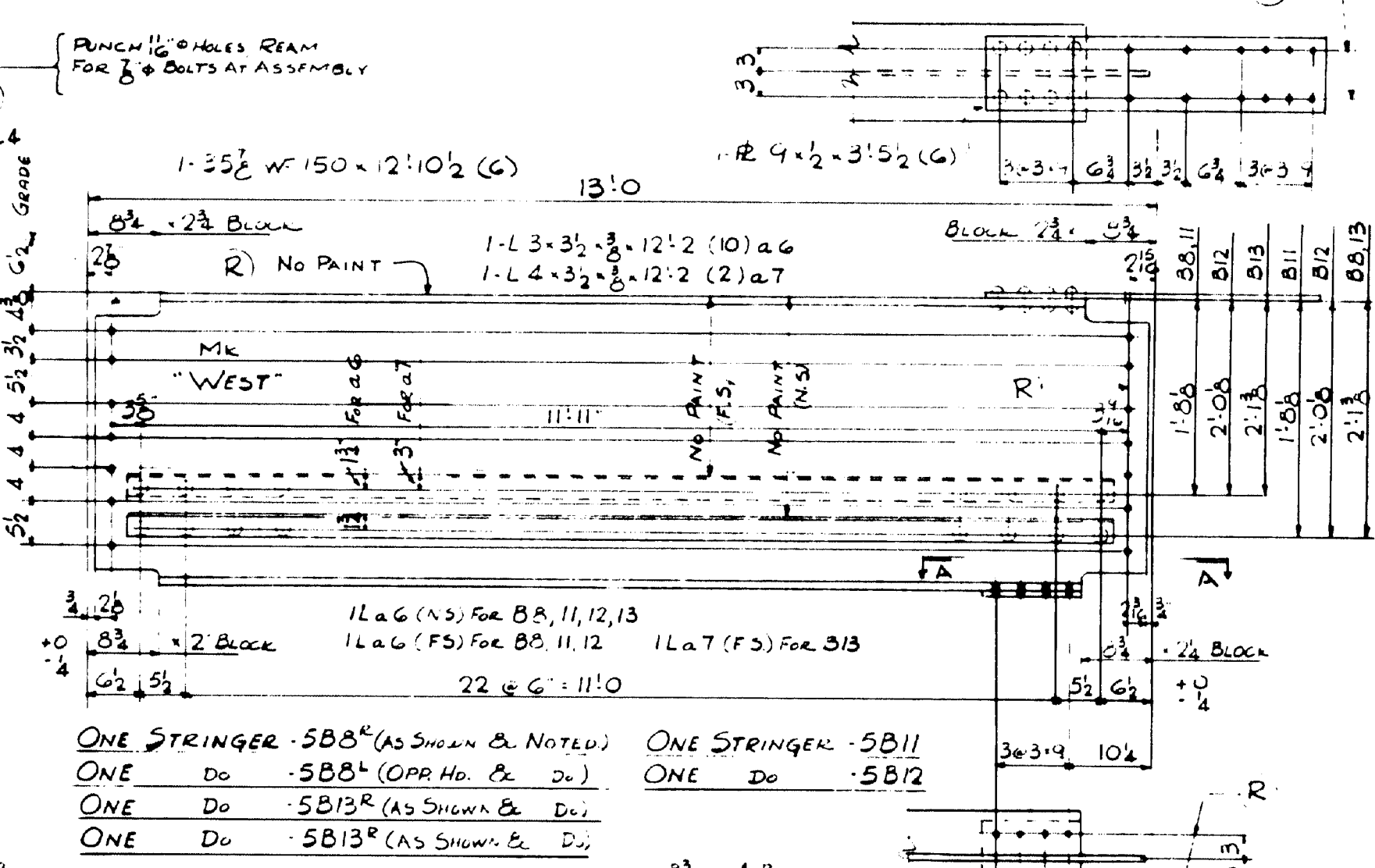
4 STRINGERS - SB9



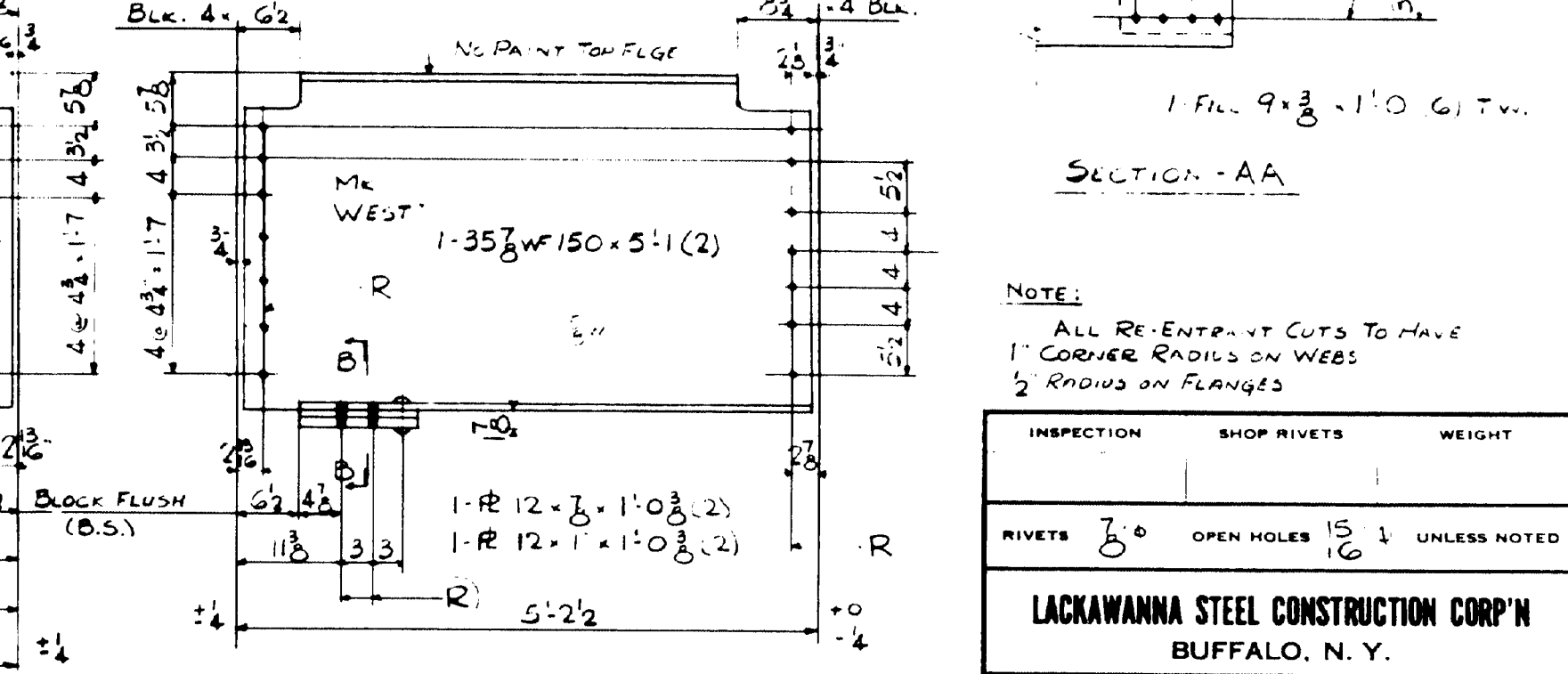
2 STRINGERS - SB10



ONE STRINGER - SB5
ONE DO - SB6

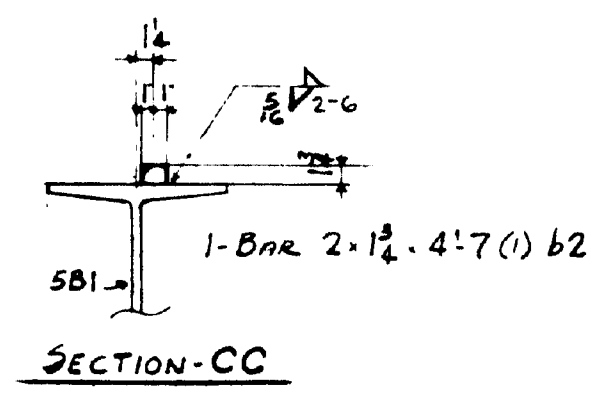


ONE STRINGER - SB8 (AS SHOWN & NOTED)
ONE DO - SB8 (OPP. HD. & DO)
ONE DO - SB13 (AS SHOWN & DO)
ONE DO - SB13 (AS SHOWN & DO)



ONE STRINGER - SB11
ONE DO - SB12

ONE STRINGER - SB4
ONE DO - SB4A

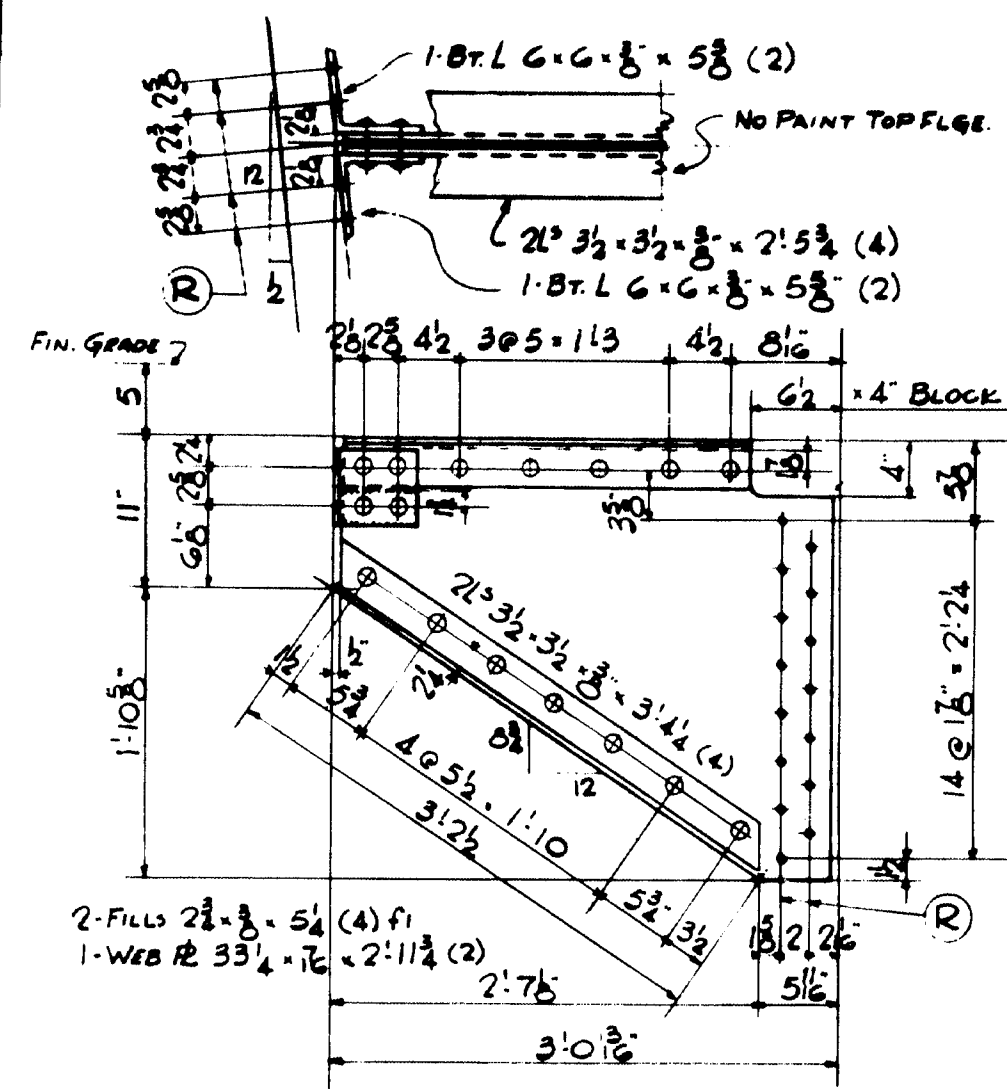


SECTION - CC

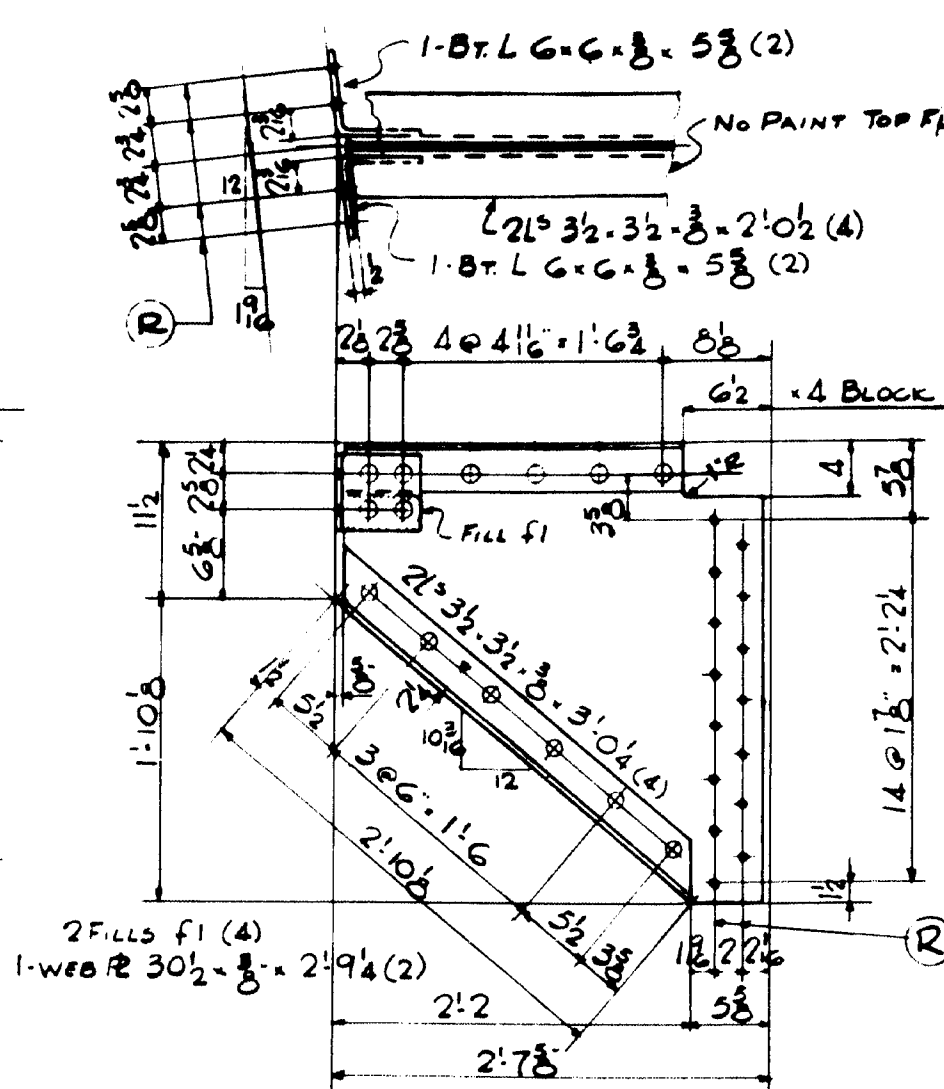
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

NOTE:
ALL RE-ENTRANT CUTS TO HAVE
1\"/>

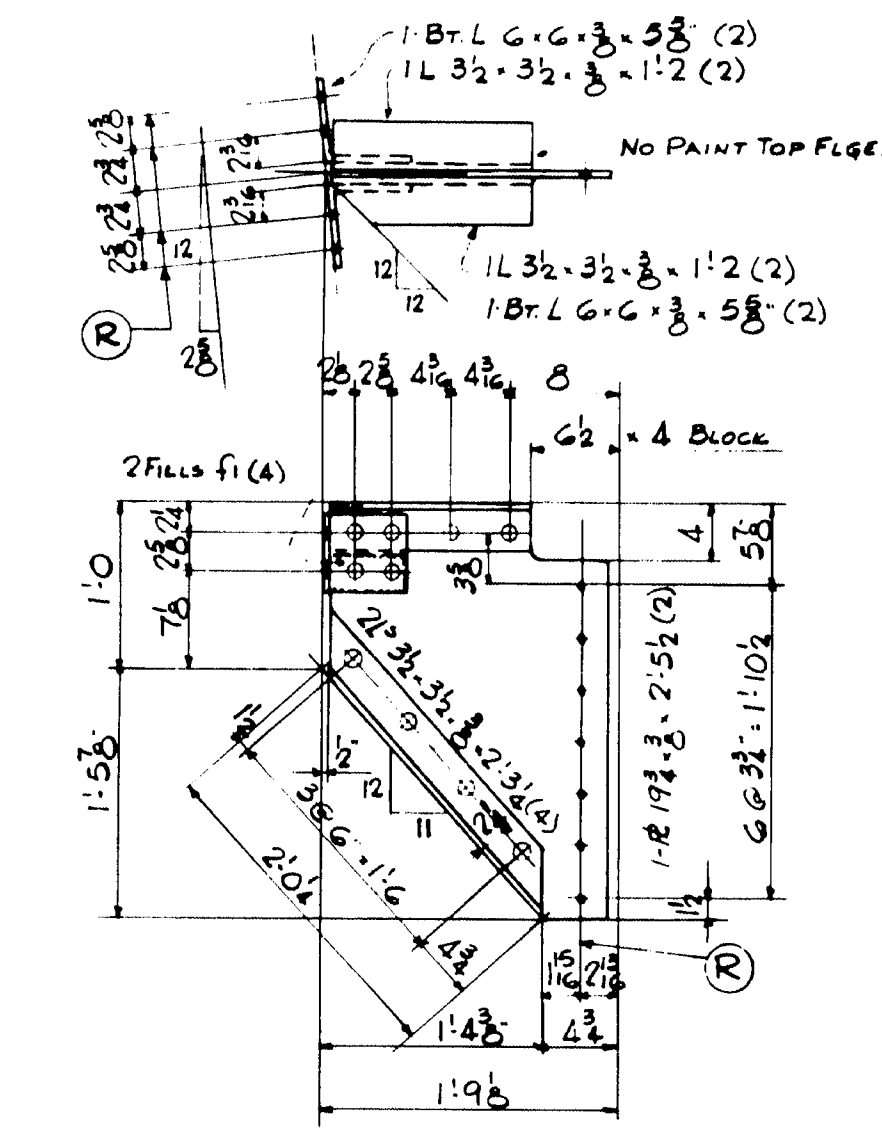
INSPECTION	SHOP RIVETS	WEIGHT
RIVETS 3/8"	OPEN HOLES 1/8"	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.		
STRUCTURE: NAPLES BAY BRIDGE		
FOR: STATE OF FLORIDA		
DETAILS OF: FLOOR BEAMS		
SPECIFICATIONS: MAINE STEEL HIGHWAY BRIDGE		
SHOP PAINT: 1-COAT RED LEAD & OIL PER SPEC.		
FIELD PAINT:		
DRAWN BY	DATE	CHECKED BY
DATE	BY	DATE
NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
CONTRACT NO. 5974 SHEET NO. 5		



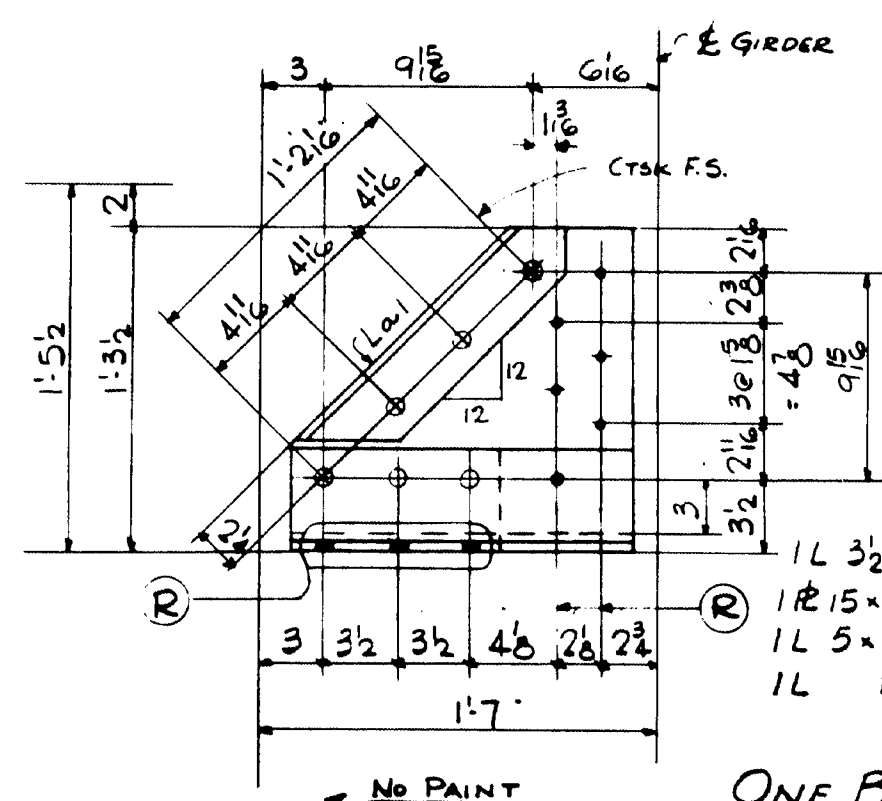
ONE END BRACKET - GB1R (AS SHOWN)
ONE Do - GB1L (OPP. Hd.)



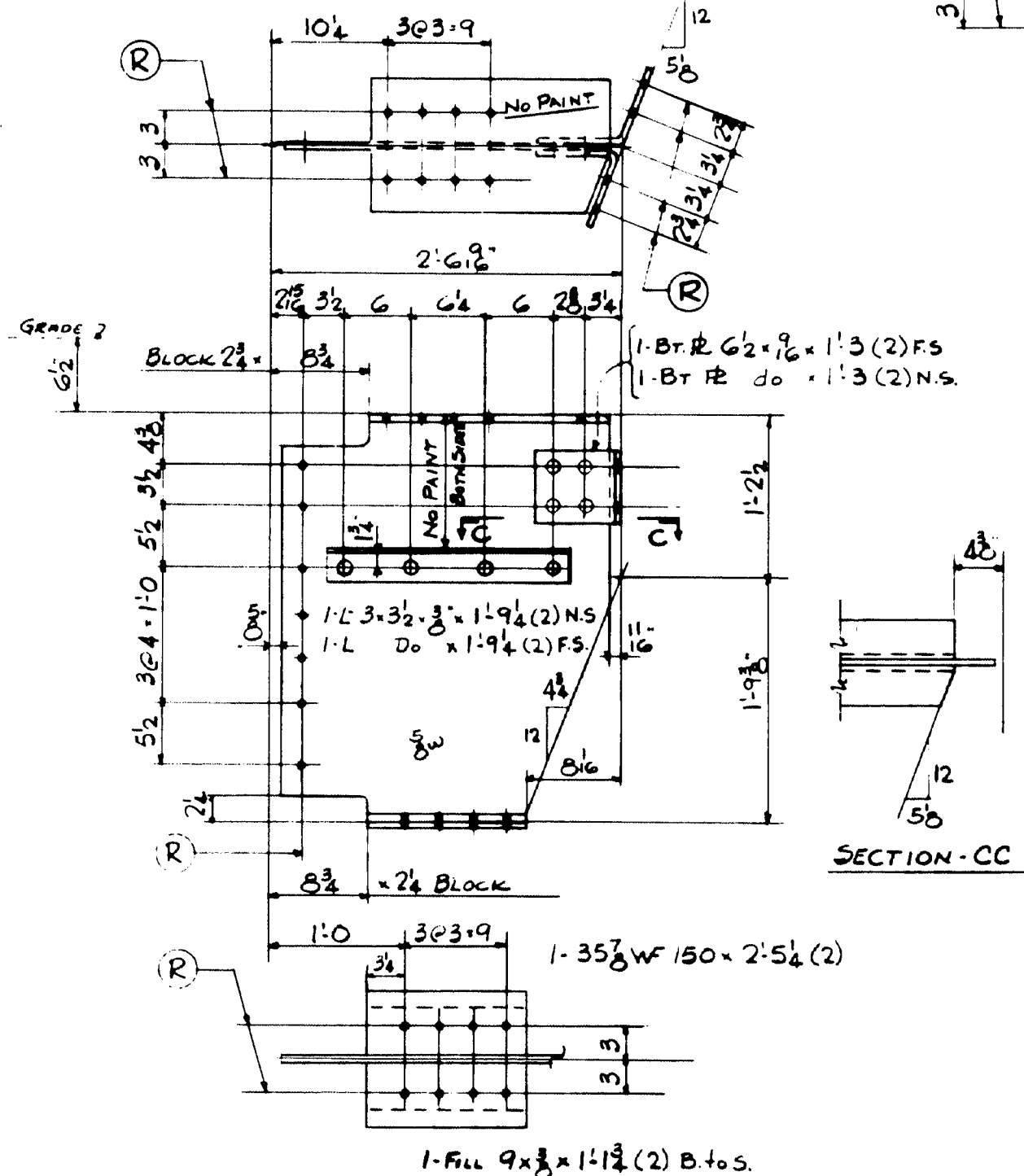
ONE END BRACKET - GB2R (AS SHOWN)
ONE Do - GB2L (OPP. Hd.)



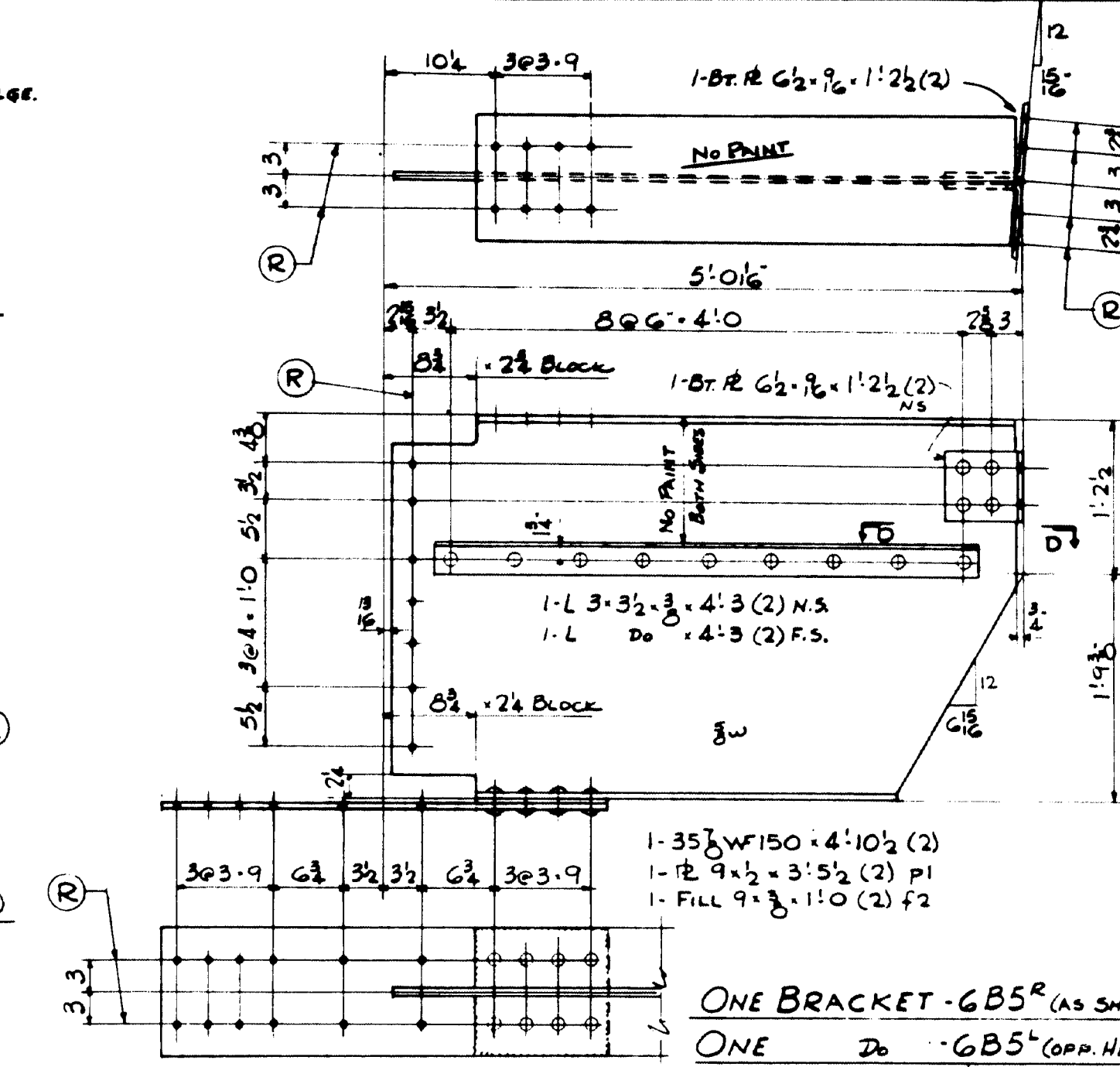
ONE END BRACKET - GB3R (AS SHOWN)
ONE Do - GB3L (OPP. Hd.)



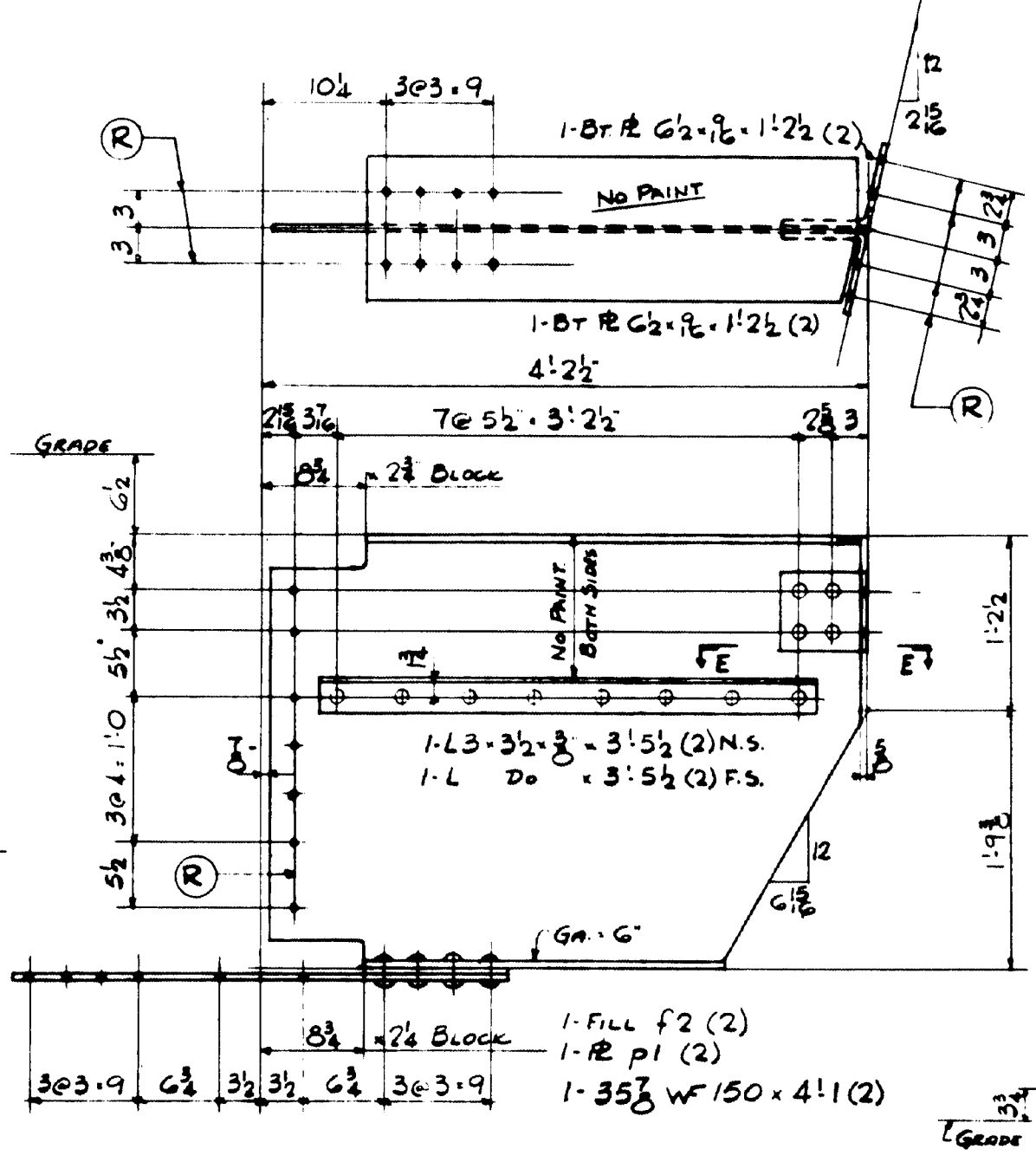
ONE BRACKET - GB7R (AS SHOWN)
ONE Do - GB7L (OPP. Hd.)



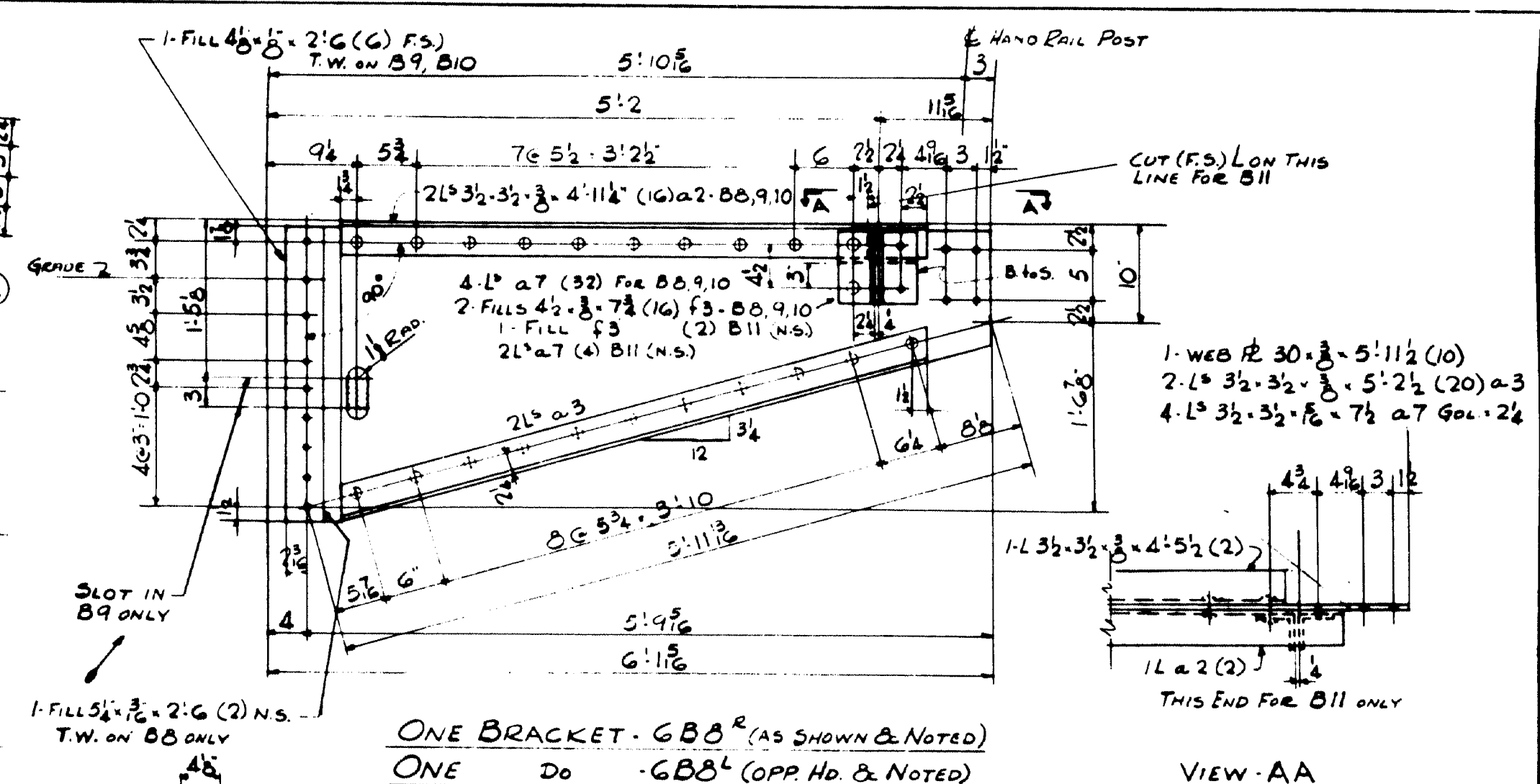
ONE END BRACKET - GB4R (AS SHOWN)
ONE Do - GB4L (OPP. Hd.)



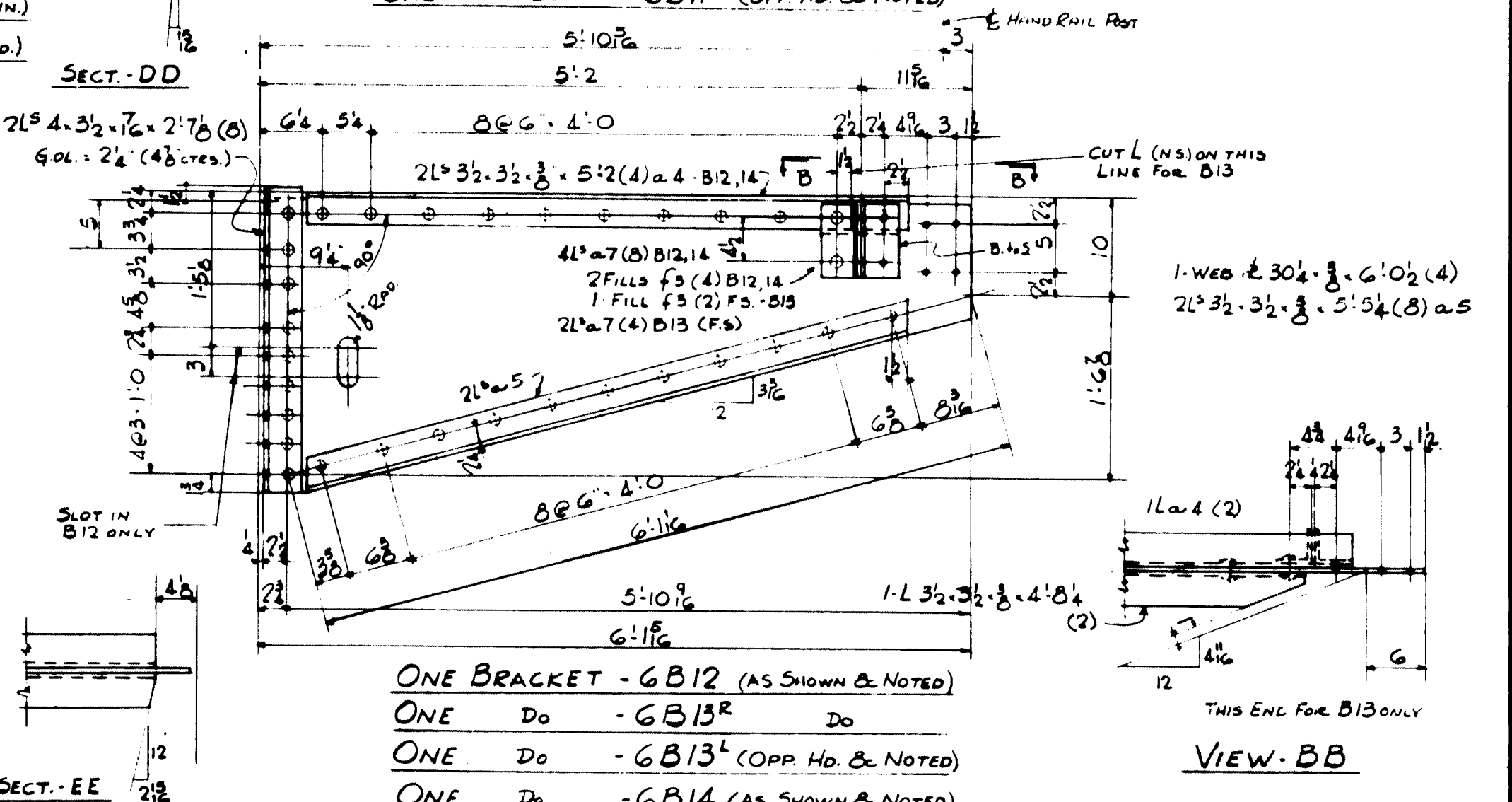
ONE BRACKET - GB5R (AS SHOWN)
ONE Do - GB5L (OPP. Hd.)



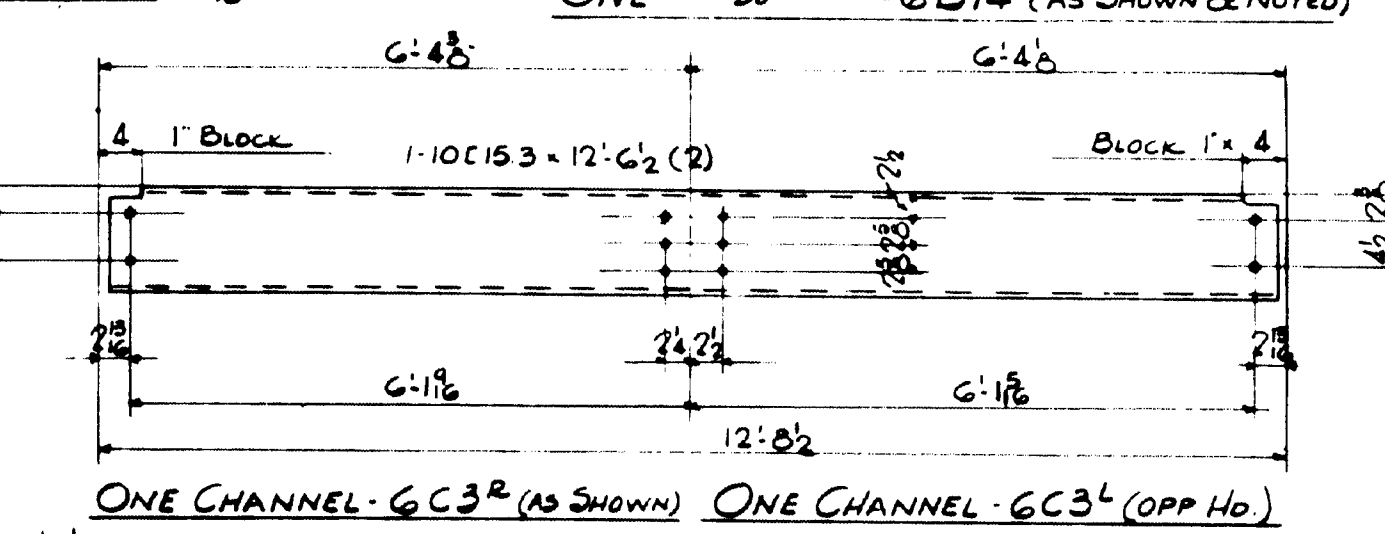
ONE END BRACKET - GB6R (AS SHOWN)
ONE Do - GB6L (OPP. Hd.)



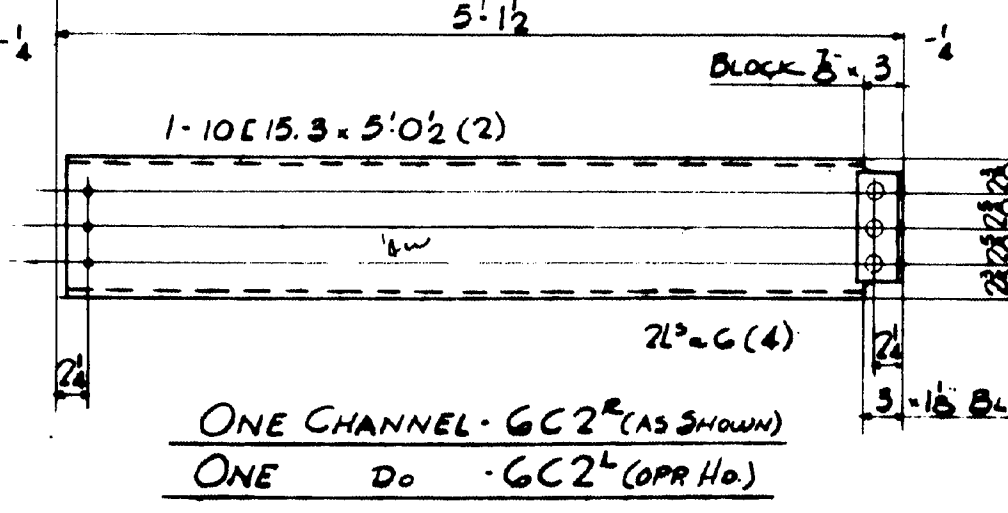
ONE BRACKET - GB8R (AS SHOWN & NOTED)
ONE Do - GB8L (OPP. Hd. & NOTED)
ONE Do - GB9 (AS SHOWN & NOTED)
ONE Do - GB10L (OPP. Hd. & NOTED)
ONE Do - GB11R (AS SHOWN & NOTED)
ONE Do - GB11L (OPP. Hd. & NOTED)



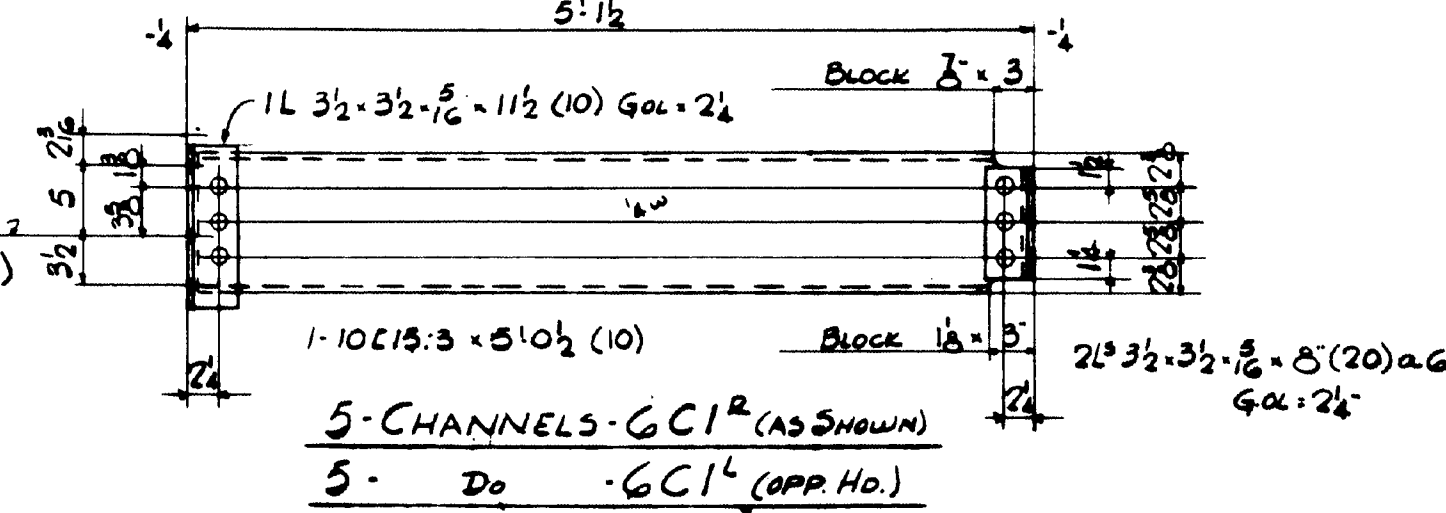
ONE BRACKET - GB12 (AS SHOWN & NOTED)
ONE Do - GB13R Do
ONE Do - GB13L (OPP. Hd. & NOTED)
ONE Do - GB14 (AS SHOWN & NOTED)



ONE CHANNEL - GC3R (AS SHOWN) ONE CHANNEL - GC3L (OPP. Hd.)



ONE CHANNEL - GC2R (AS SHOWN)
ONE Do - GC2L (OPP. Hd.)



5 CHANNELS - GC1R (AS SHOWN)
5 Do - GC1L (OPP. Hd.)

NOTE:
ALL RE-ENTRANT CUTS TO HAVE
1" CORNER RADIUS ON WEBS
1/2" RADIUS ON FLANGES

INSPECTION	SHOP RIVETS	WEIGHT
RIVETS 3/8" φ	OPEN HOLES 1 1/2" φ	UNLESS NOTED

LACKAWANNA STEEL CONSTRUCTION CORP.
BUFFALO, N. Y.

STRUCTURE: NAPLES BAY SWING BRIDGE
FOR: STATE OF MAINE
DETAILS OF: END BRACKETS & CHANNELS
SPECIFICATION: MAINE STEEL HIGHWAY BR 1965
SHOP PAINT: 1" COAT RED LEAD & OIL PER SPEC'S

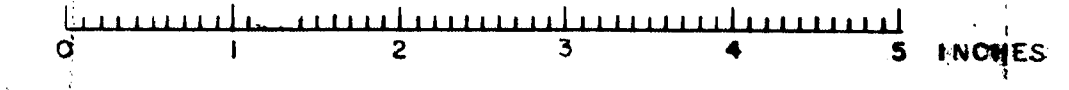
FIELD PAINT:

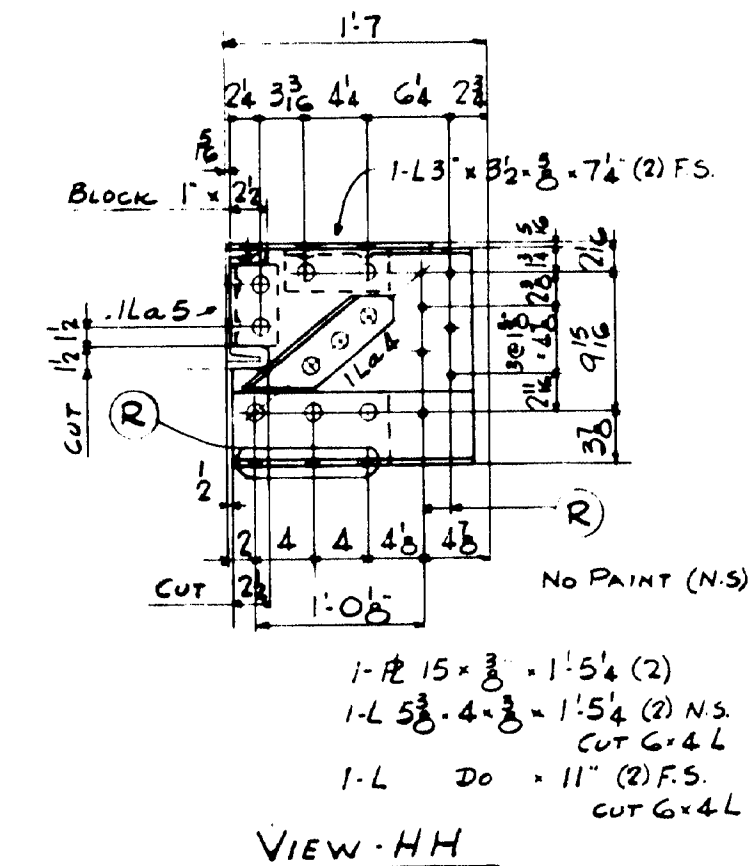
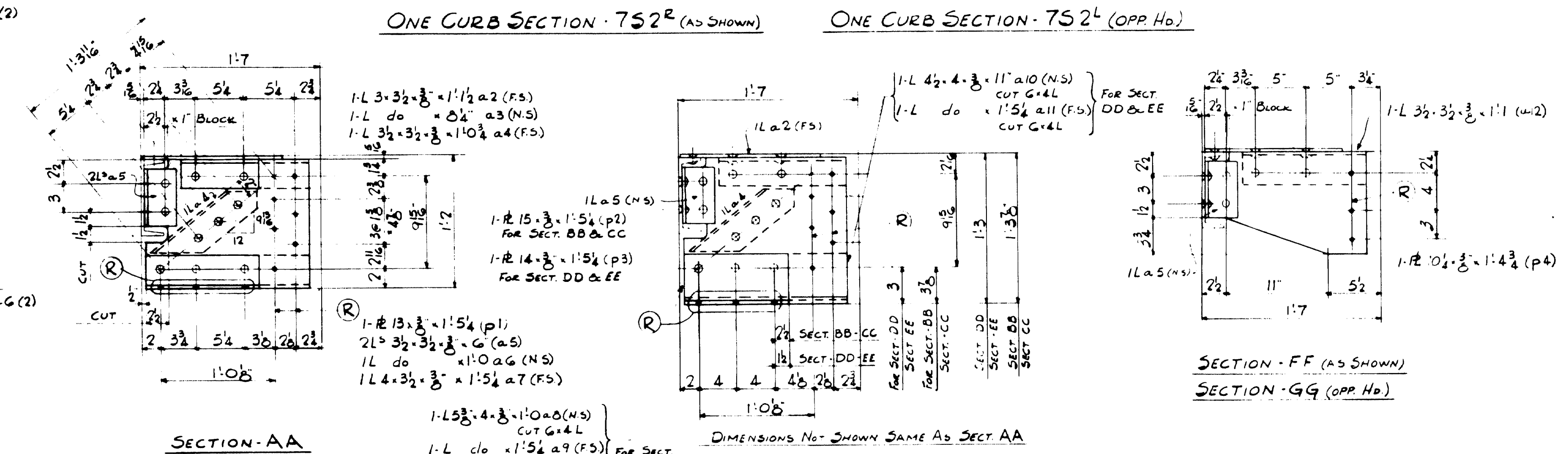
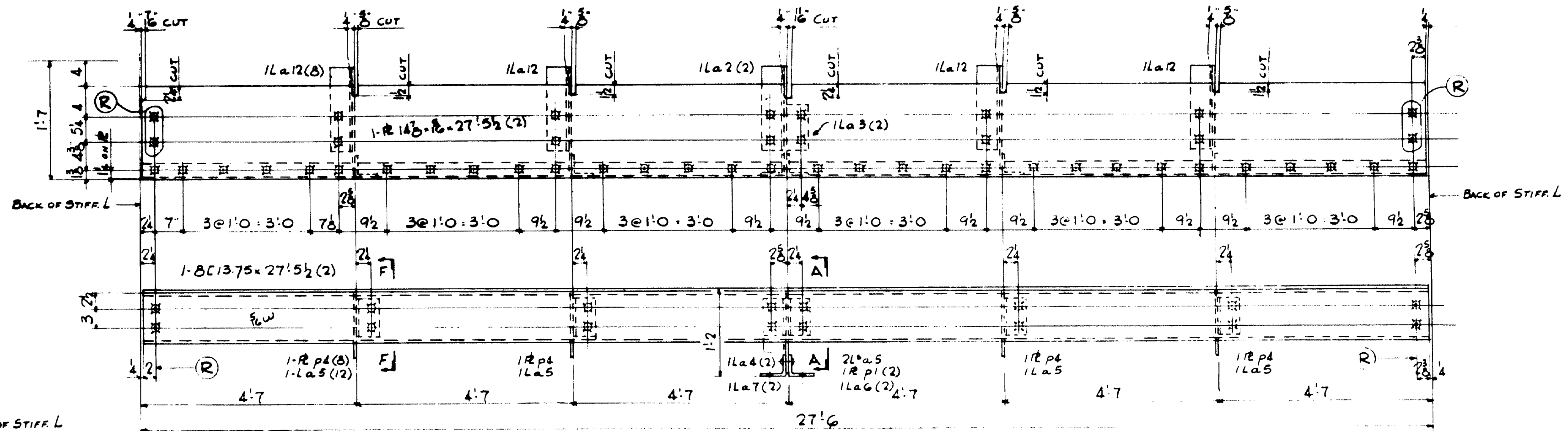
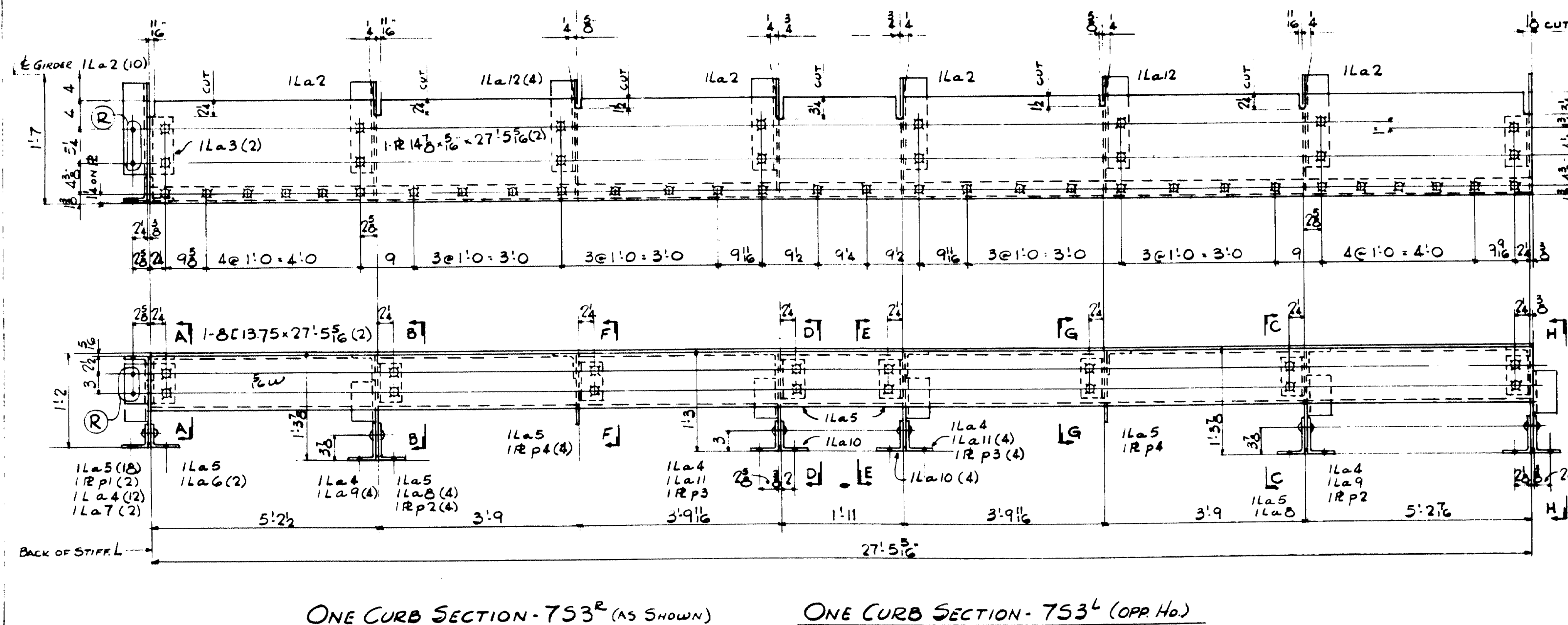
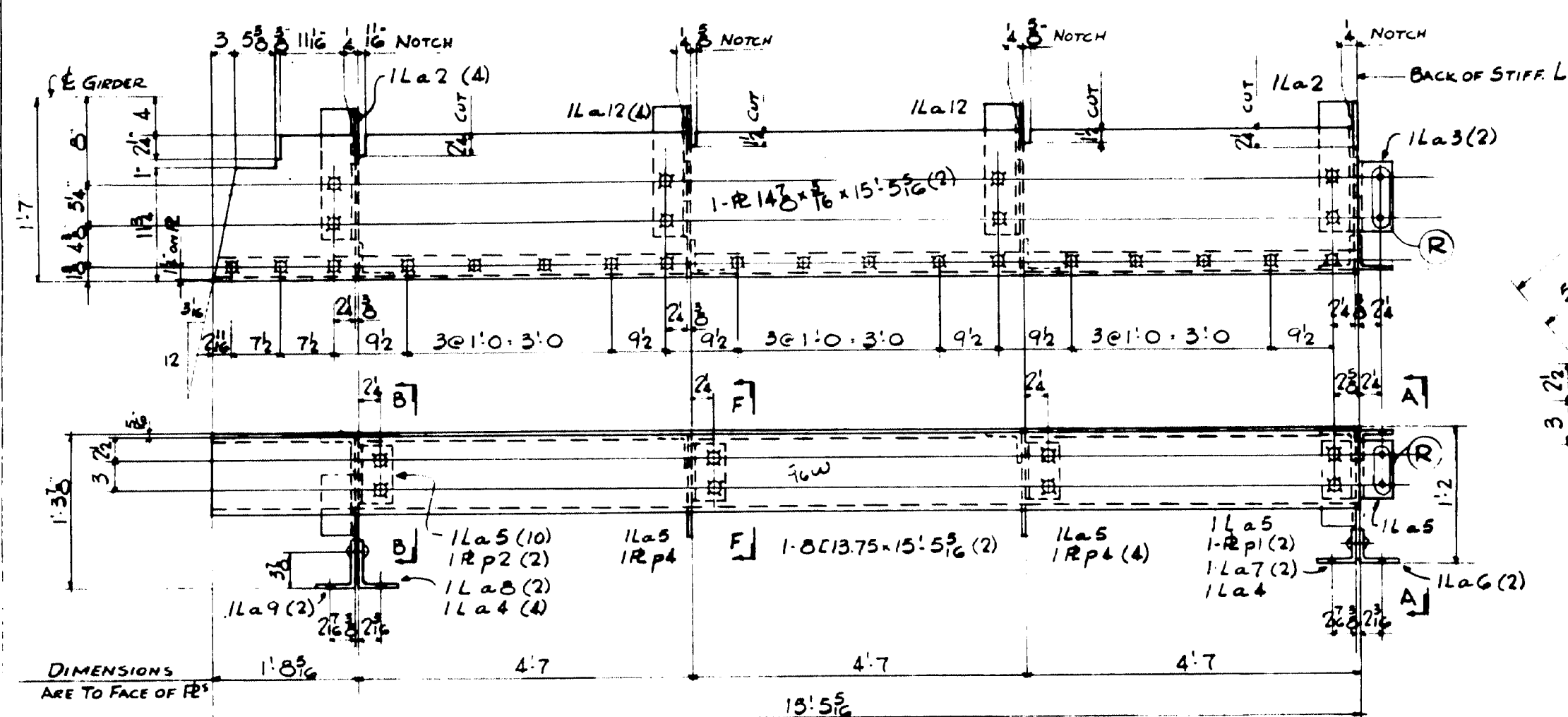
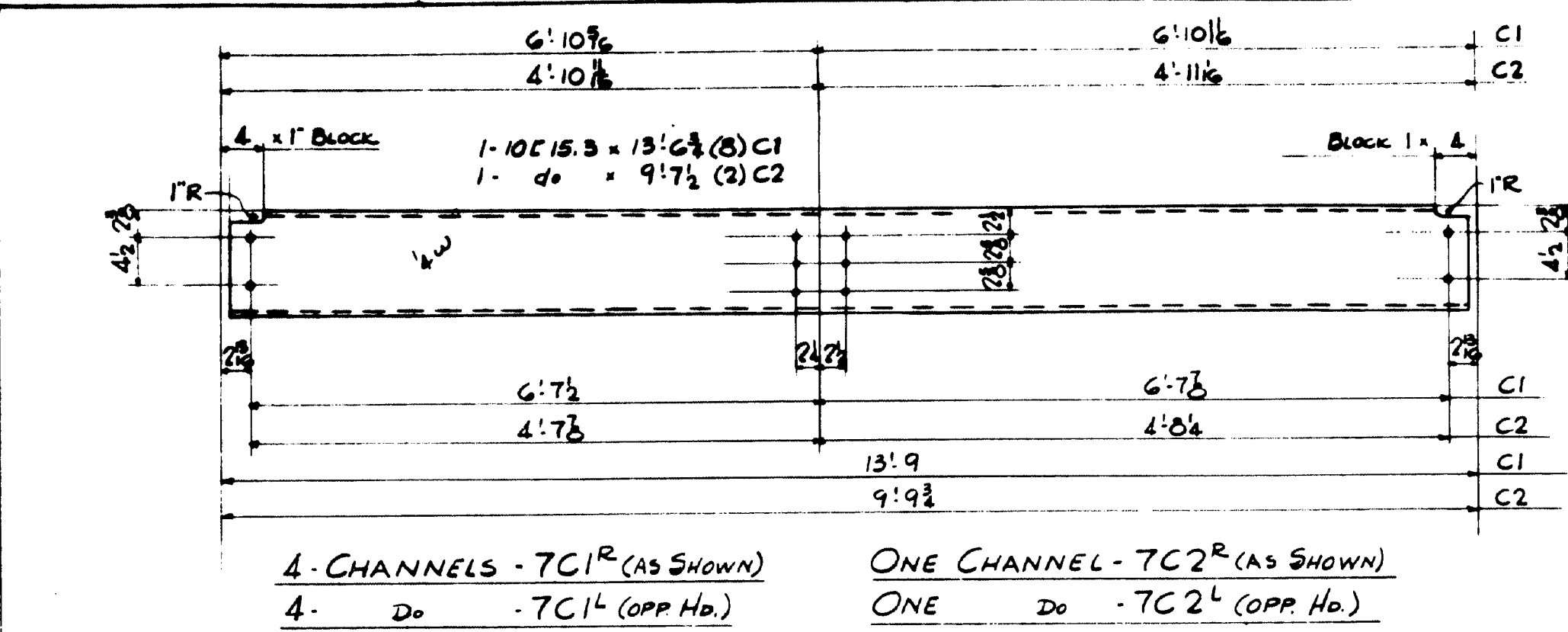
DATE	CHECKED BY	DATE	SQUAD FOREMAN
LUX 10-23-52	Z. J.	12-17-52	A. M.

REVISIONS:

NO.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			

CONTRACT NO. 5979 SHEET NO. 6





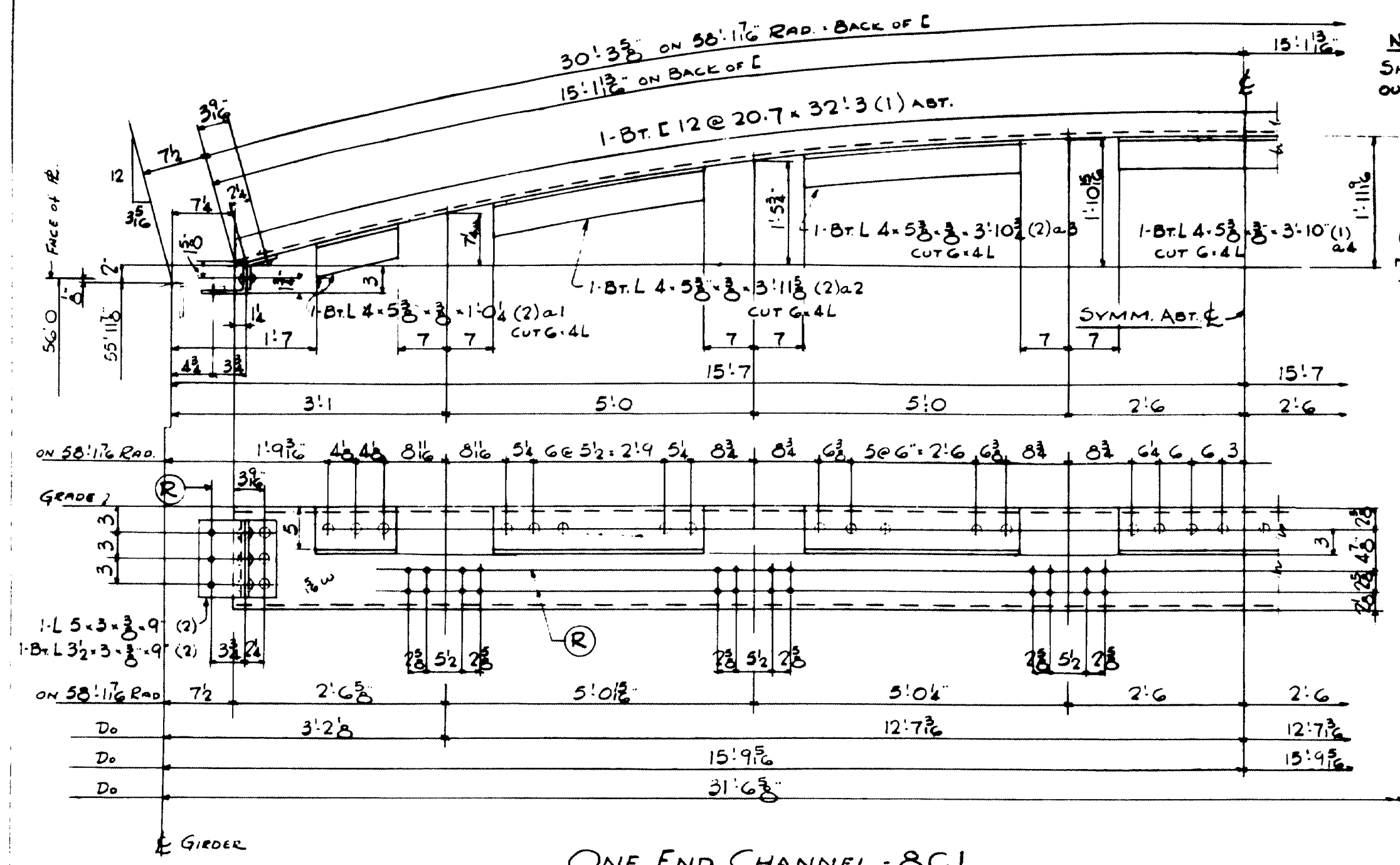
30- CAST IRON BALANCE WGTs. TWI
 (ASTM - A48 - CLASS 30)
 NOTE: SHOP TO MATCH S1, S2, S3 TO GIRDERS BEFORE RIVETING UP TO INSURE FIT

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

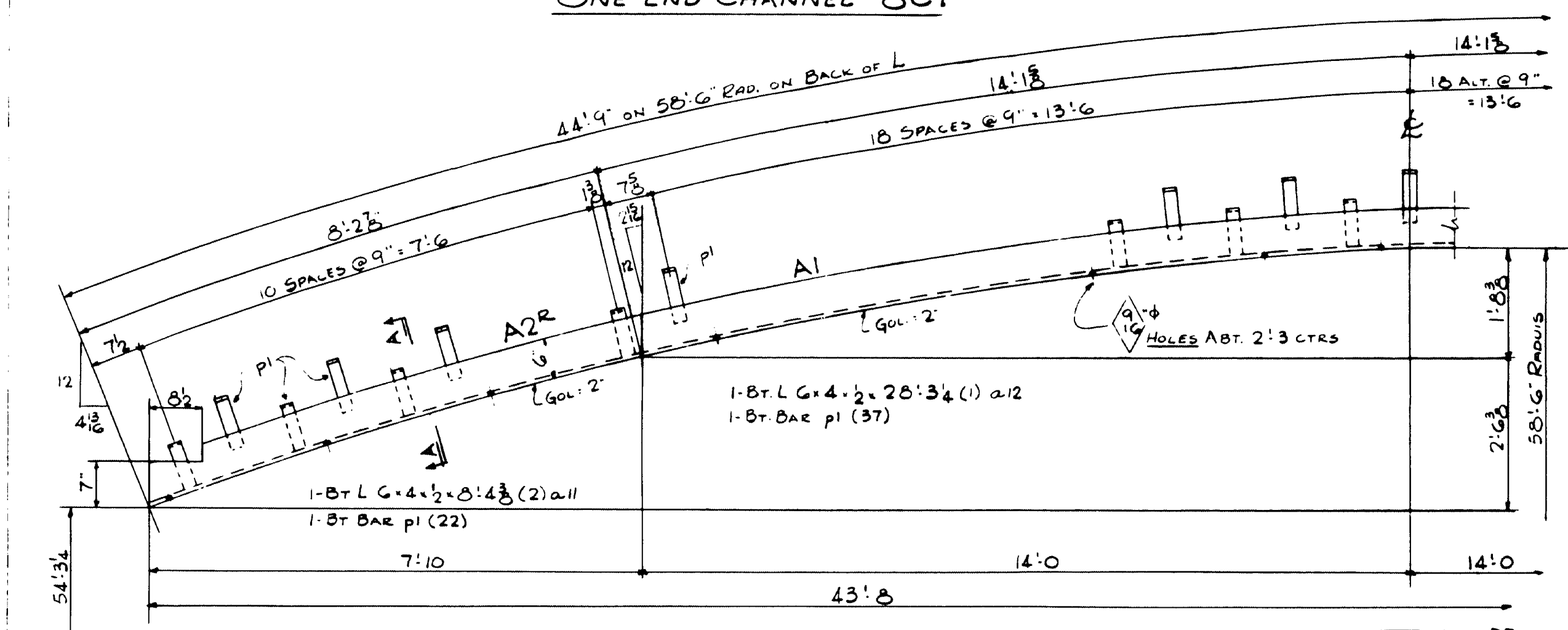
NAPLES BAY BRIDGE
 IN THE TOWN OF
 NAPLES
 CUMBERLAND COUNTY

NO.	DATE	BY	DESCRIPTION
1	10-29-58	J. M. R. A. M.	
2			
3			
4			
5			

CONTRACT NO. 5979 SHEET NO. 7

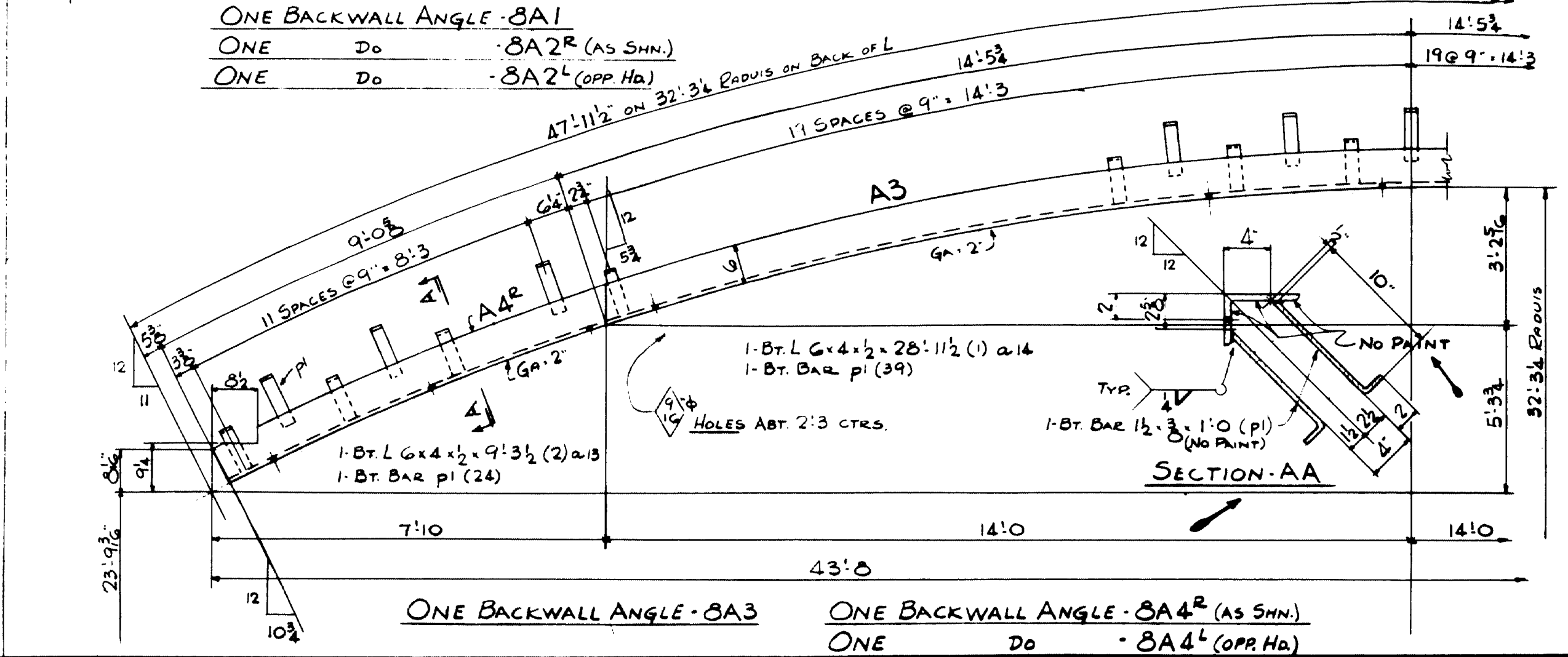


ONE END CHANNEL - 8C1



ONE BACKWALL ANGLE - 8A1

- ONE Do 8A2R (AS SHN.)
- ONE Do 8A2L (OPR. HD.)

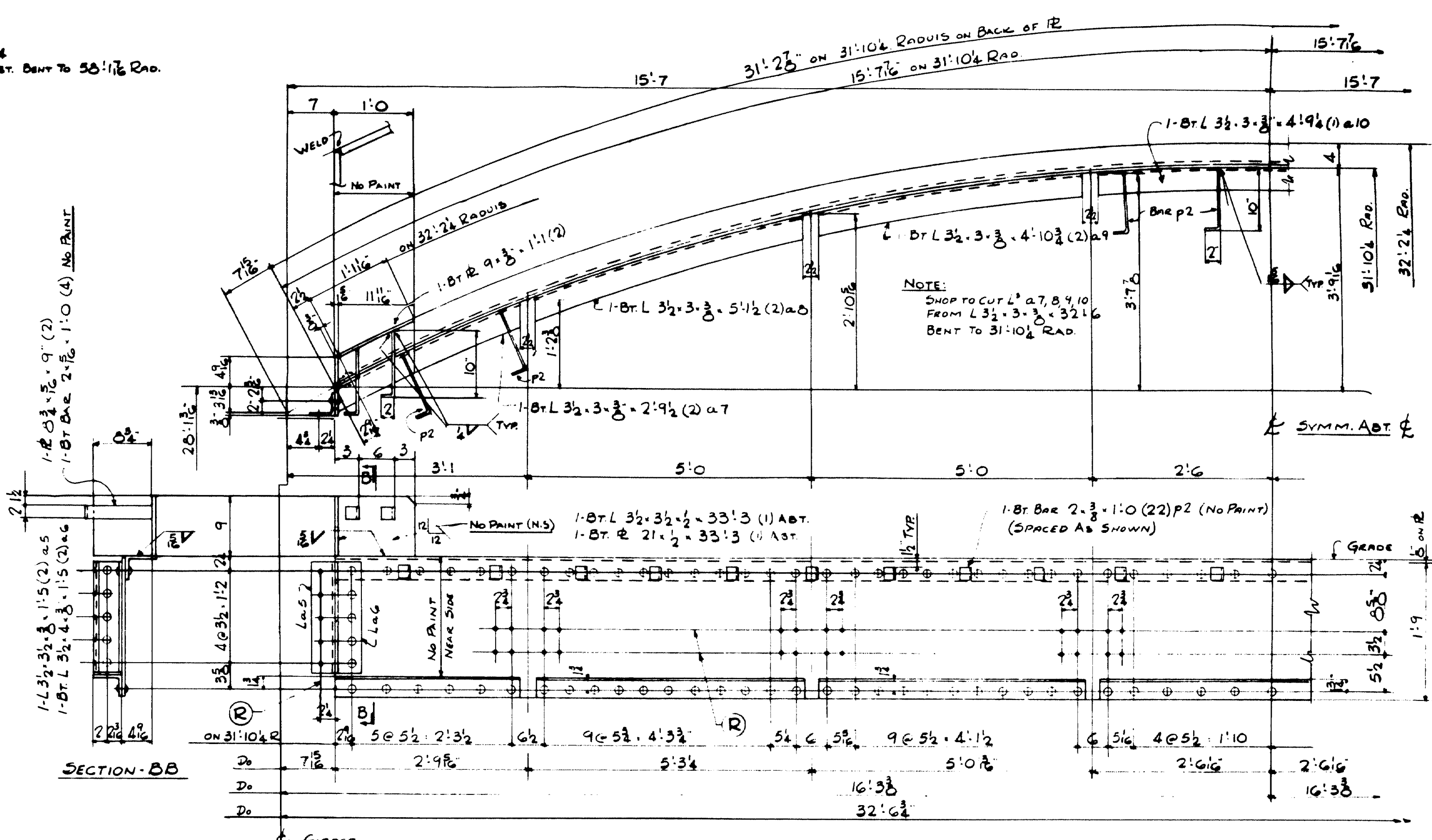


ONE BACKWALL ANGLE - 8A3

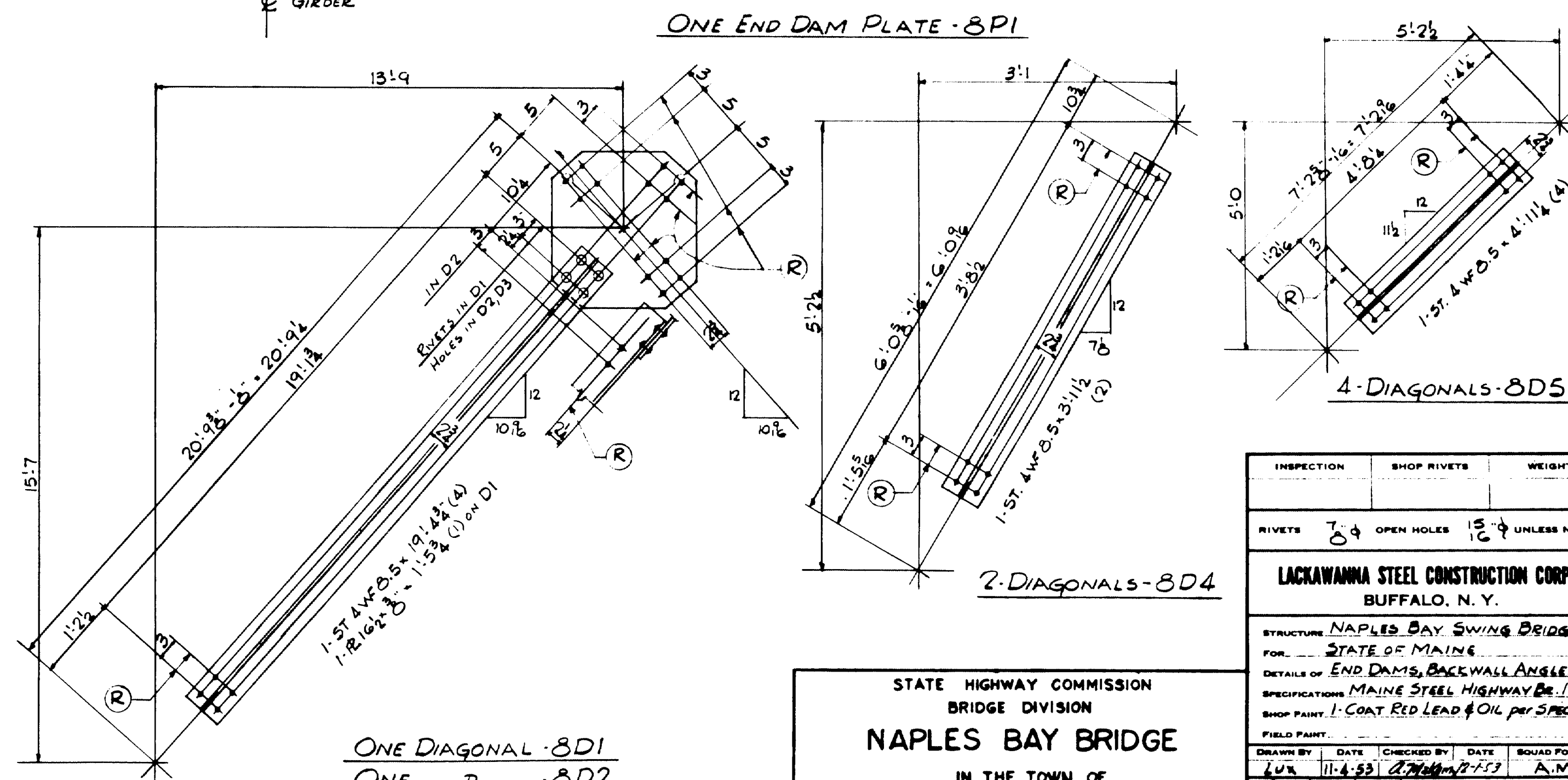
ONE BACKWALL ANGLE - 8A4R (AS SHN.)

- ONE Do 8A4L (OPR. HD.)

NOTE:
SHOP TO CUT L² 2, 3, 4
OUT OF G. & 3/8\"/>

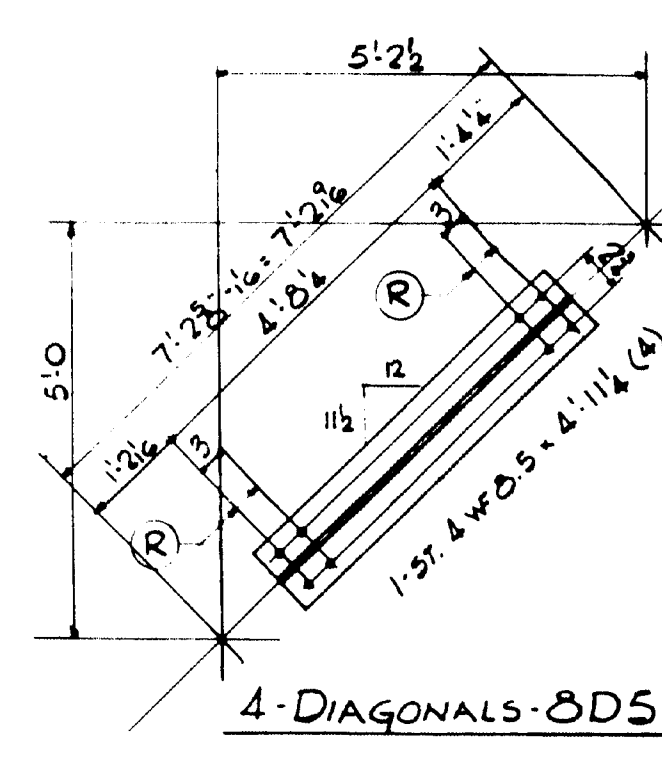


SECTION-BB



ONE END DAM PLATE - 8P1

- ONE DIAGONAL - 8D1
- ONE Do 8D2
- 2 Do 8D3



4-DIAGONALS - 8D5

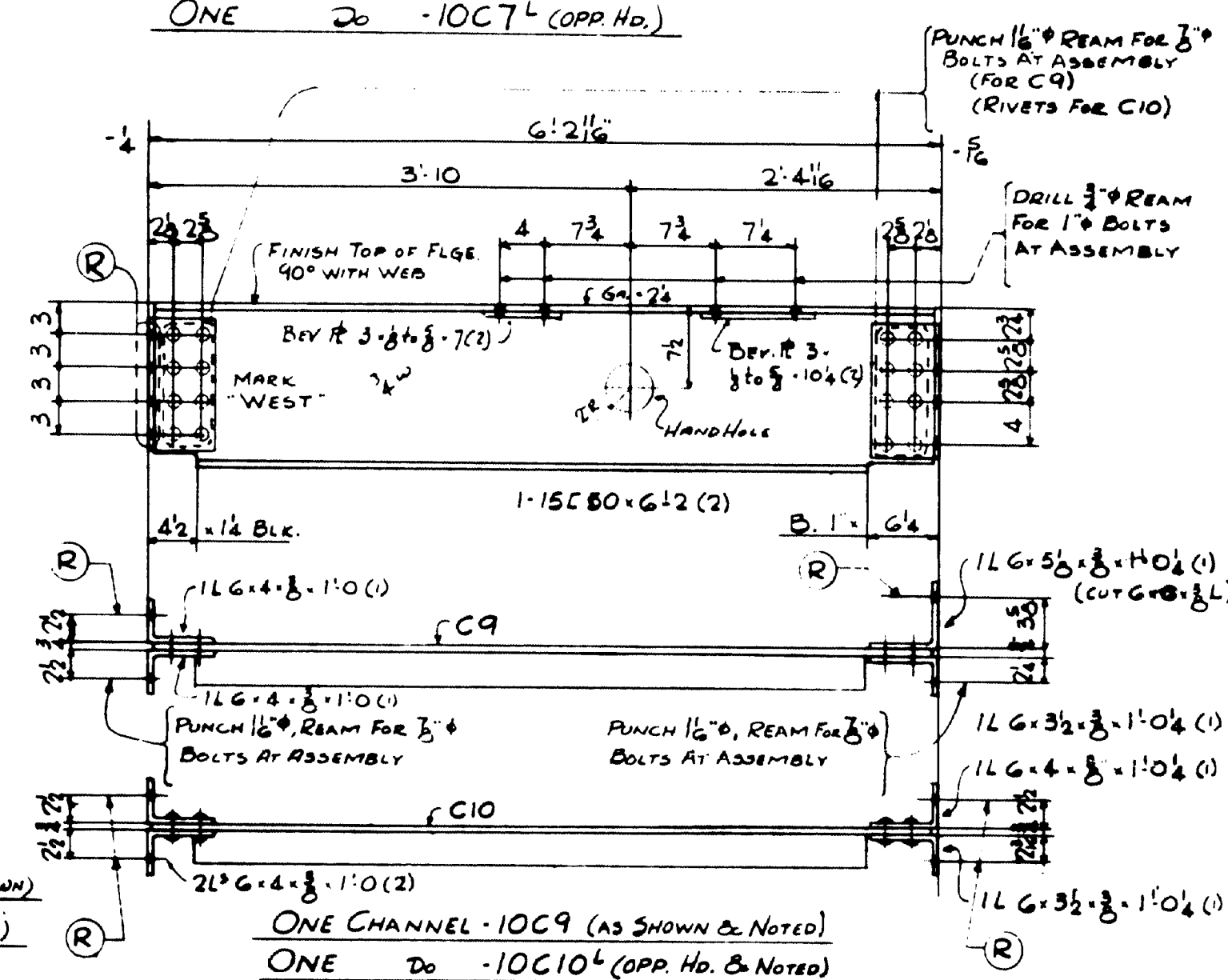
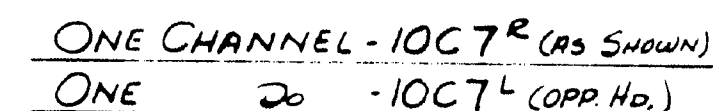
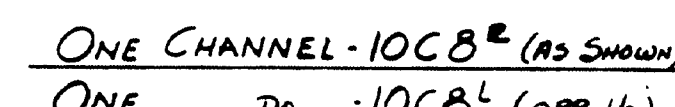
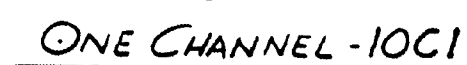
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

INSPECTION		SHOP RIVETS	WEIGHT
RIVETS		7/8	OPEN HOLES 1 3/4
UNLESS NOTED			
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.			
STRUCTURE <u>NAPLES BAY SWING BRIDGE</u>			
FOR <u>STATE OF MAINE</u>			
DETAILS OF <u>END DAMS, BACKWALL ANGLES</u>			
SPECIFICATIONS <u>MAINE STEEL HIGHWAY BR. 1945</u>			
SHOP PAINT <u>1 COAT RED LEAD OIL per SPEC.</u>			
FIELD PAINT:			
DRAWN BY		DATE	CHECKED BY
JUN 11		11-4-53	J. W. H. H.
			7-7-53
			A.M.
NO.		DATE	BY
1			
2			
3			
4			
5			
REVISIONS			
CONTRACT NO. 5979 SHEET NO. 8			

61-114



ONE BEAM-10B2



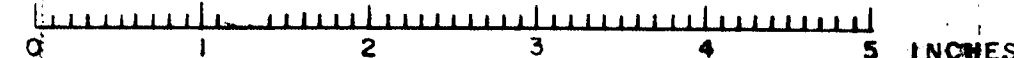
NOTE:

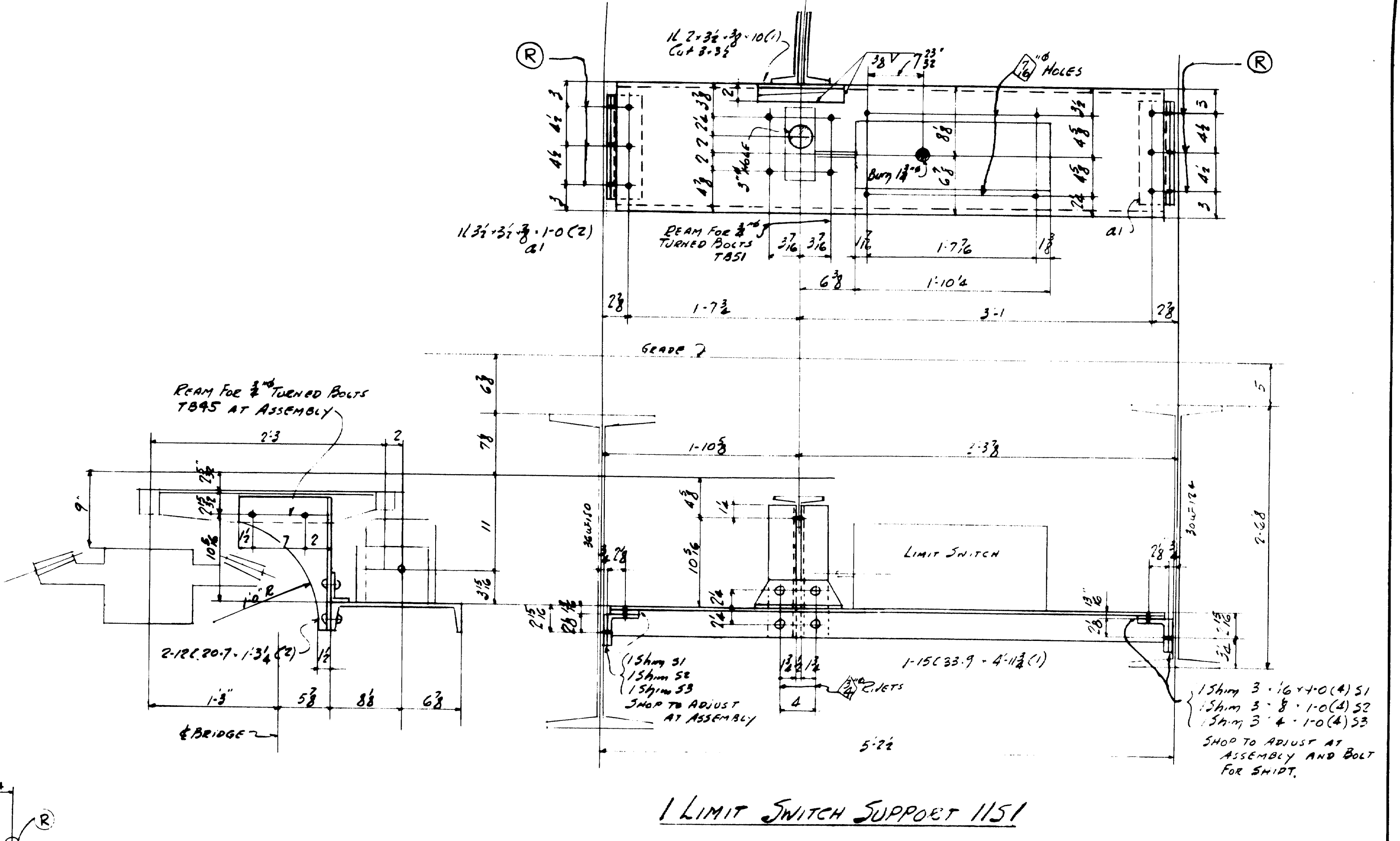
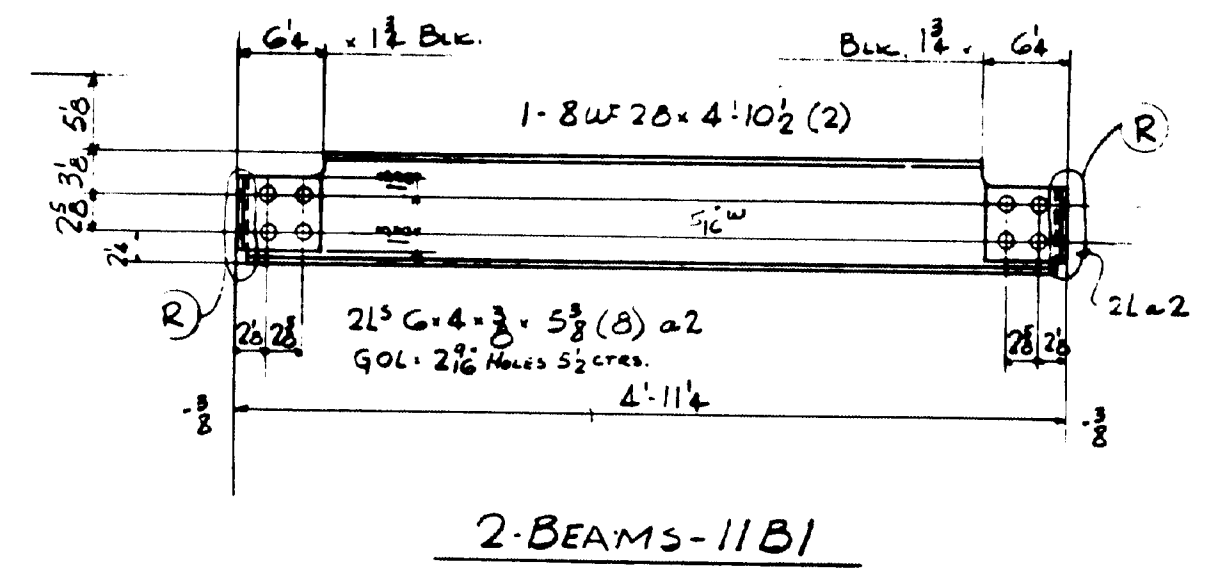
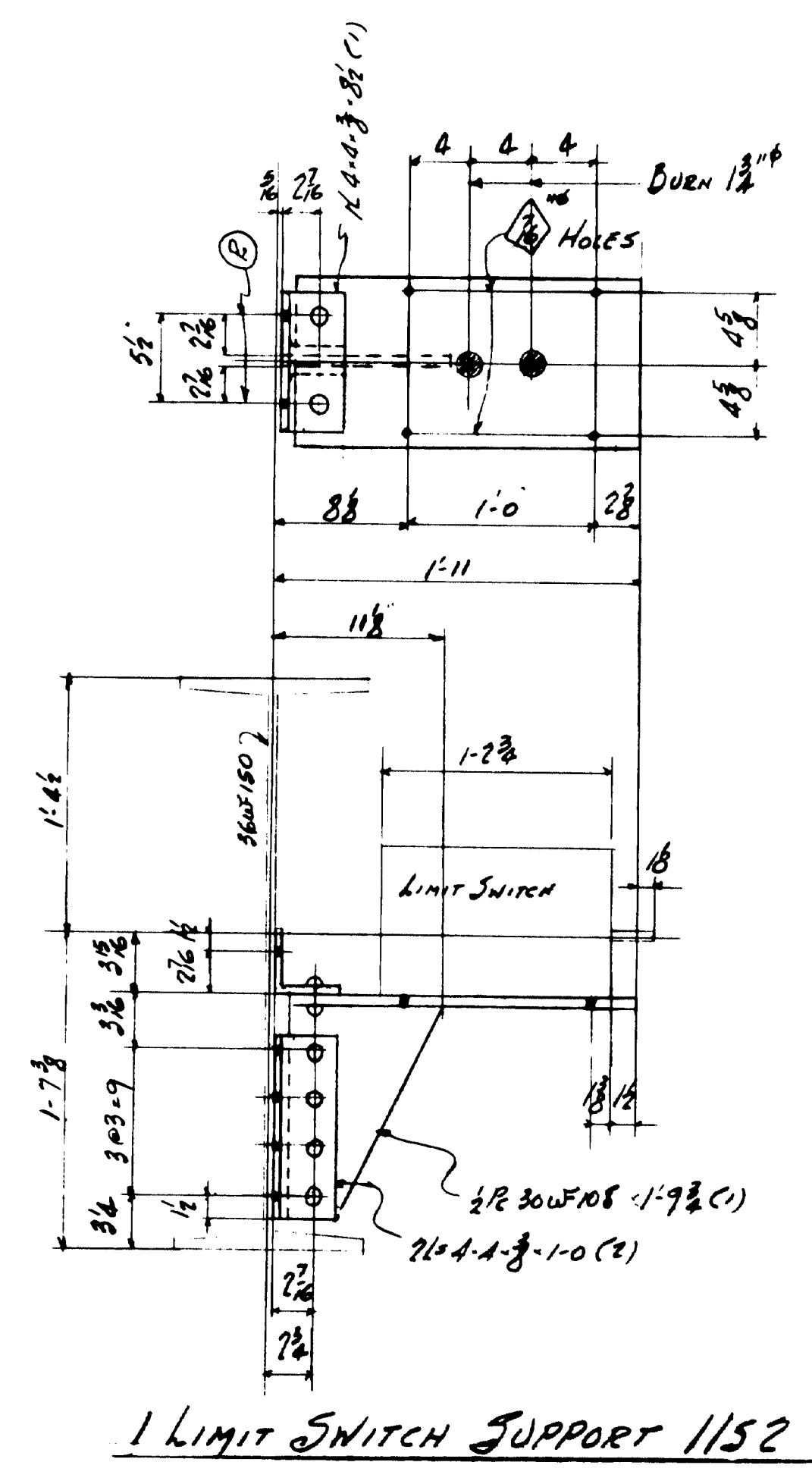
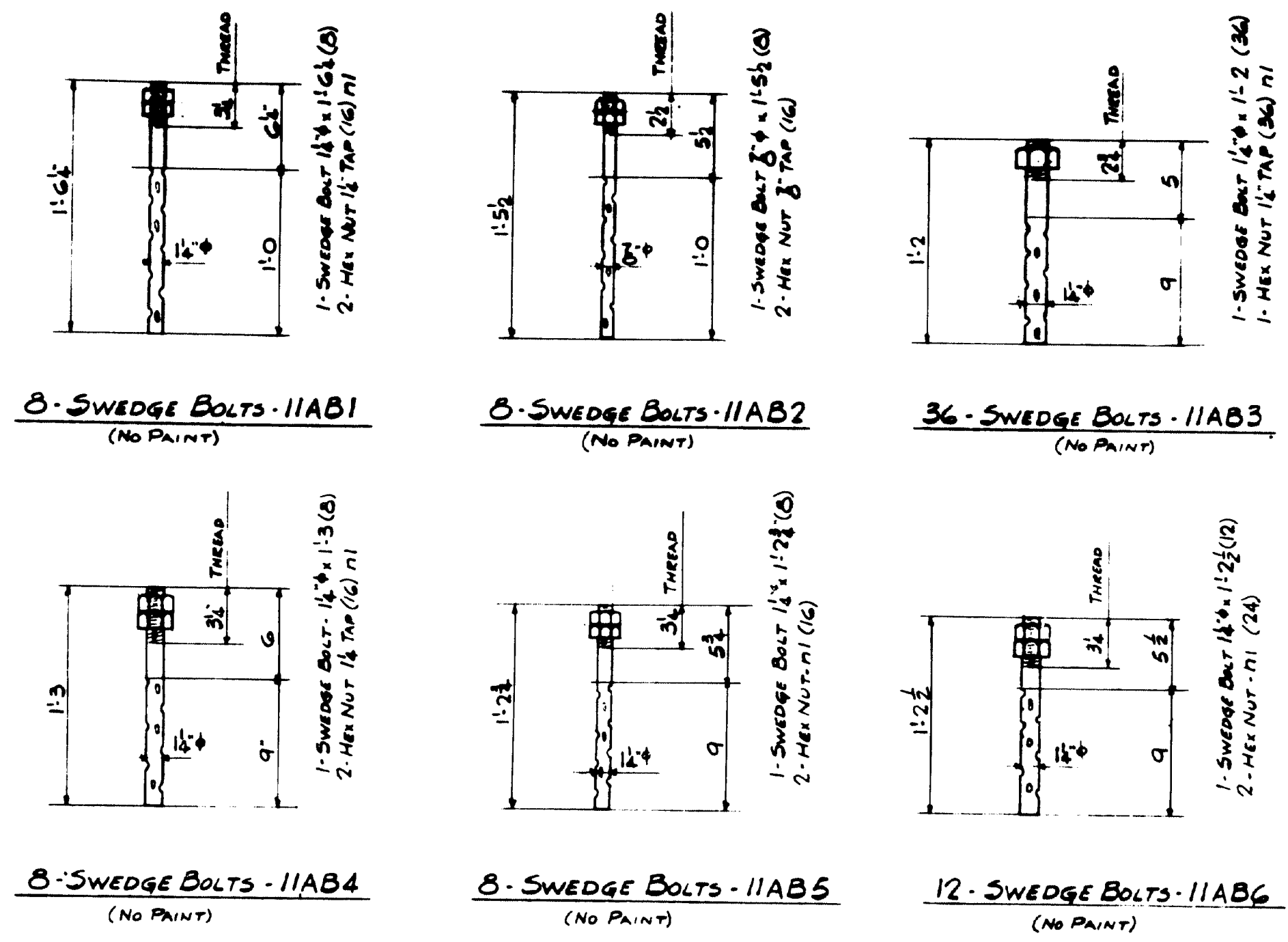
ALL RE-ENTRANT CUTS TO HAVE A CORNER
RADIUS OF 1" ON WEBS
1/2" RADIUS ON FLANGES

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

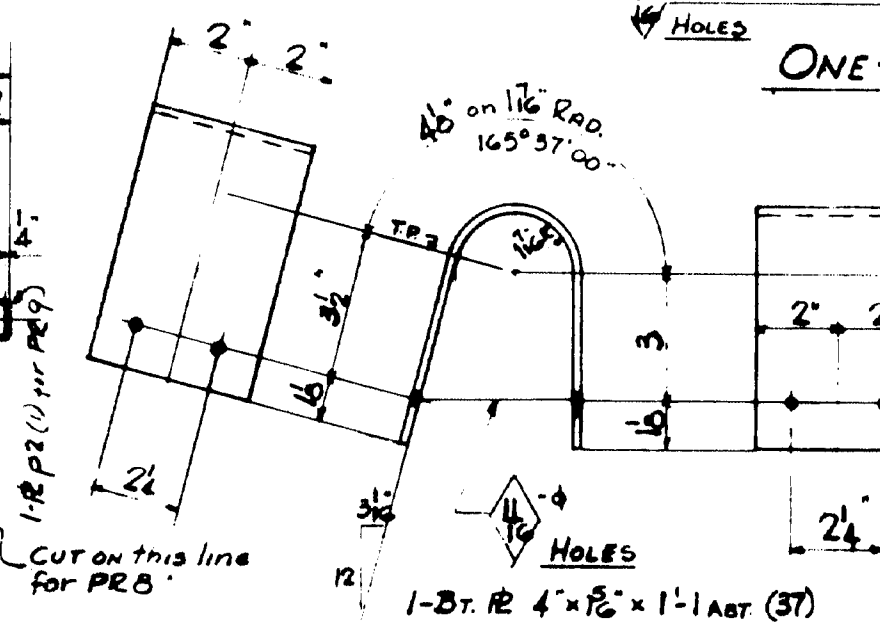
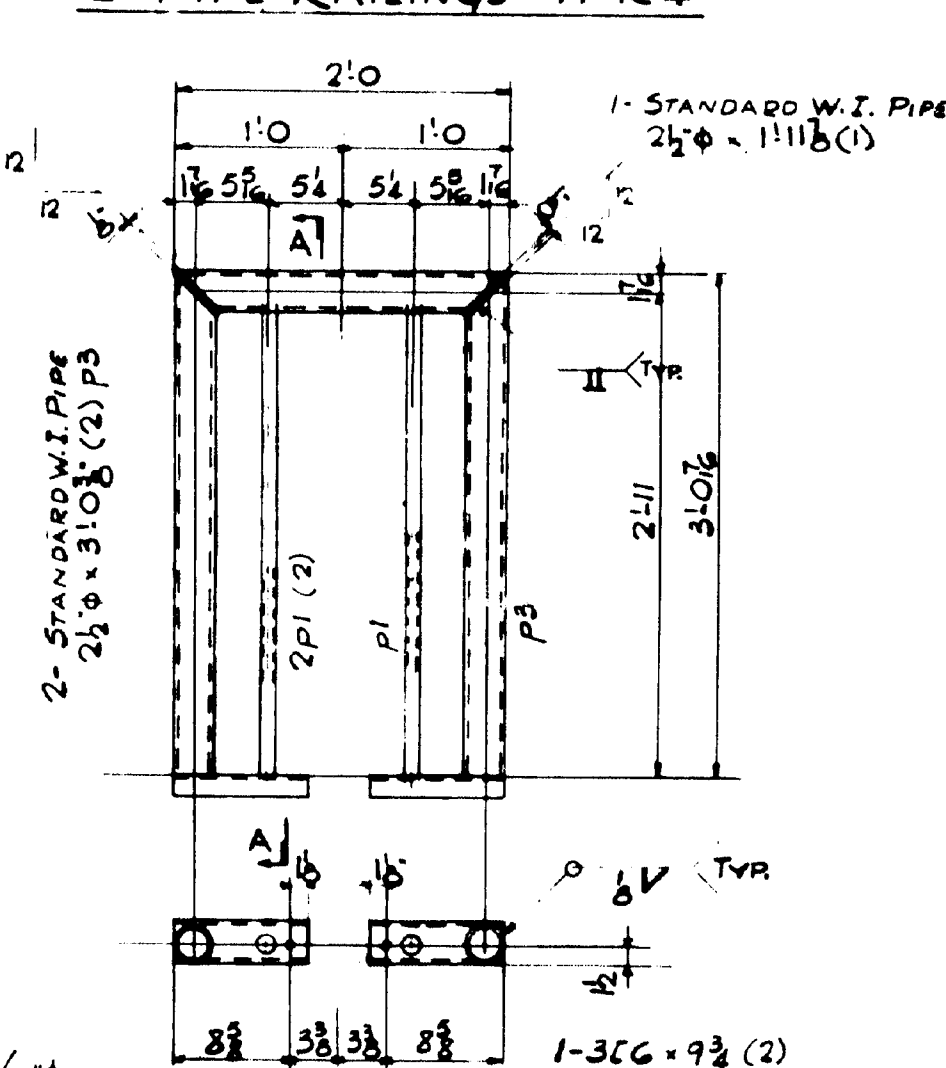
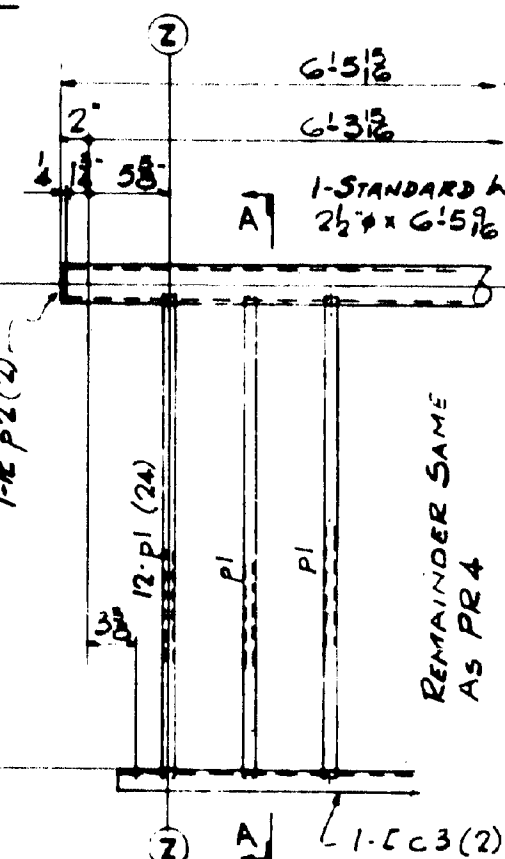
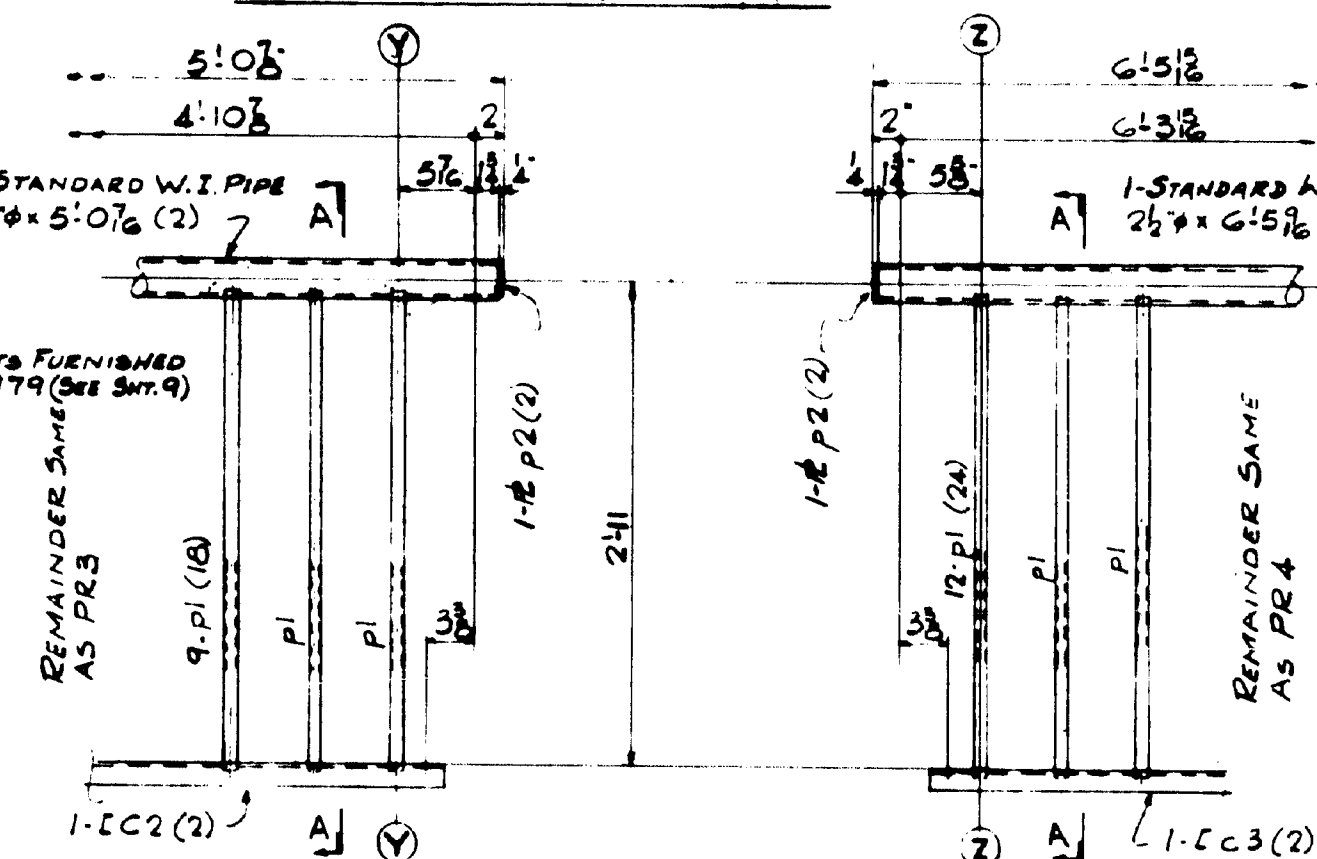
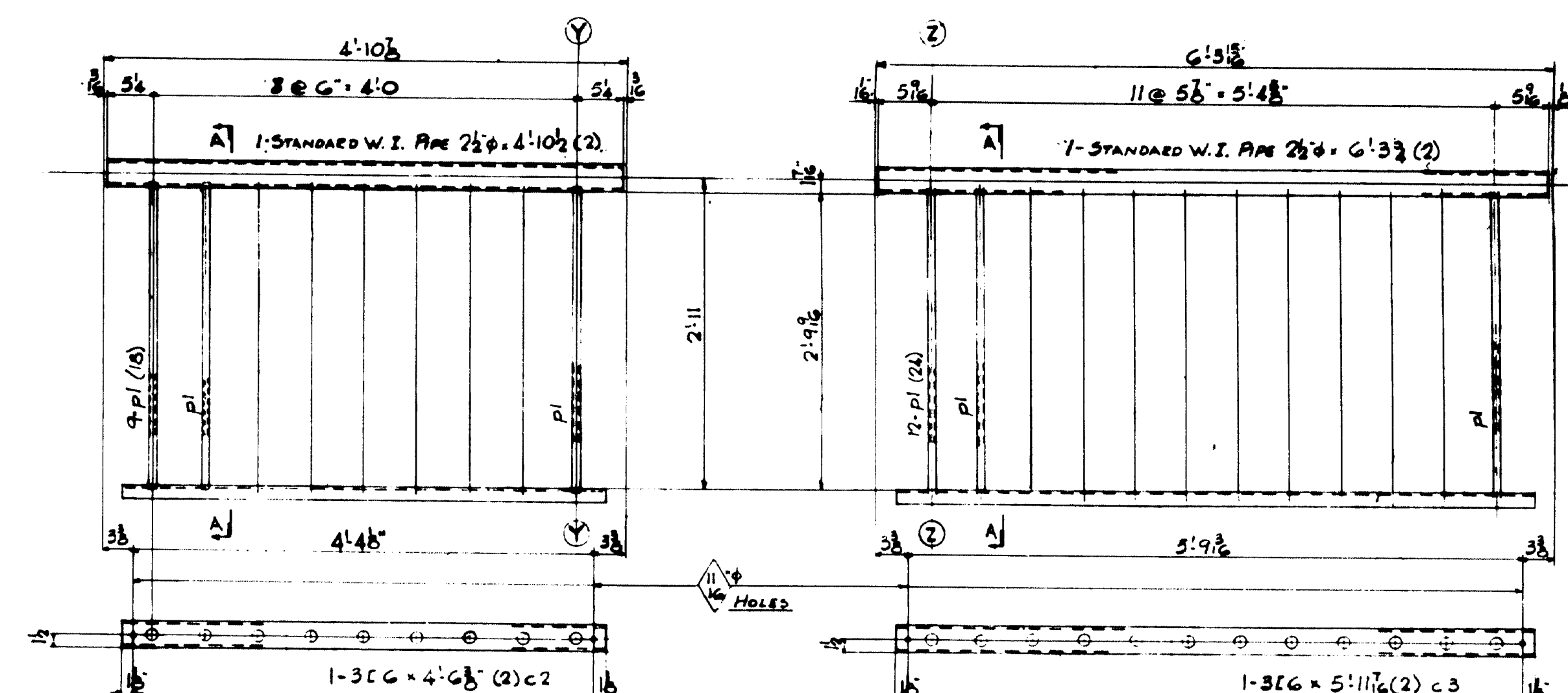
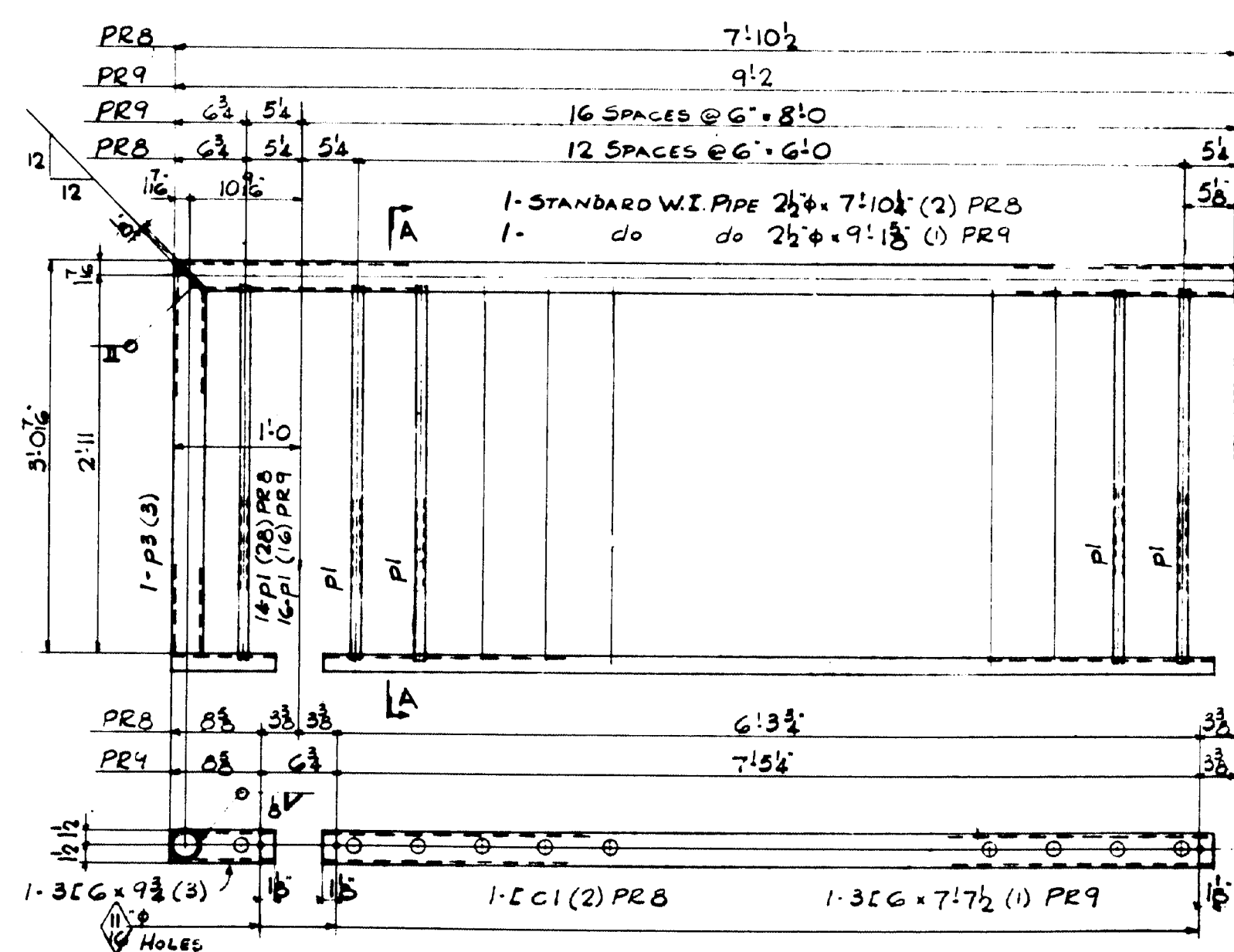
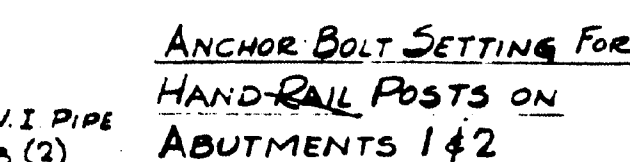
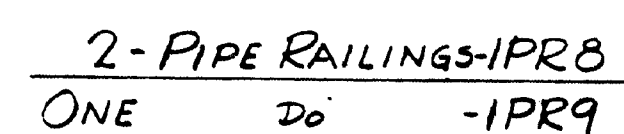
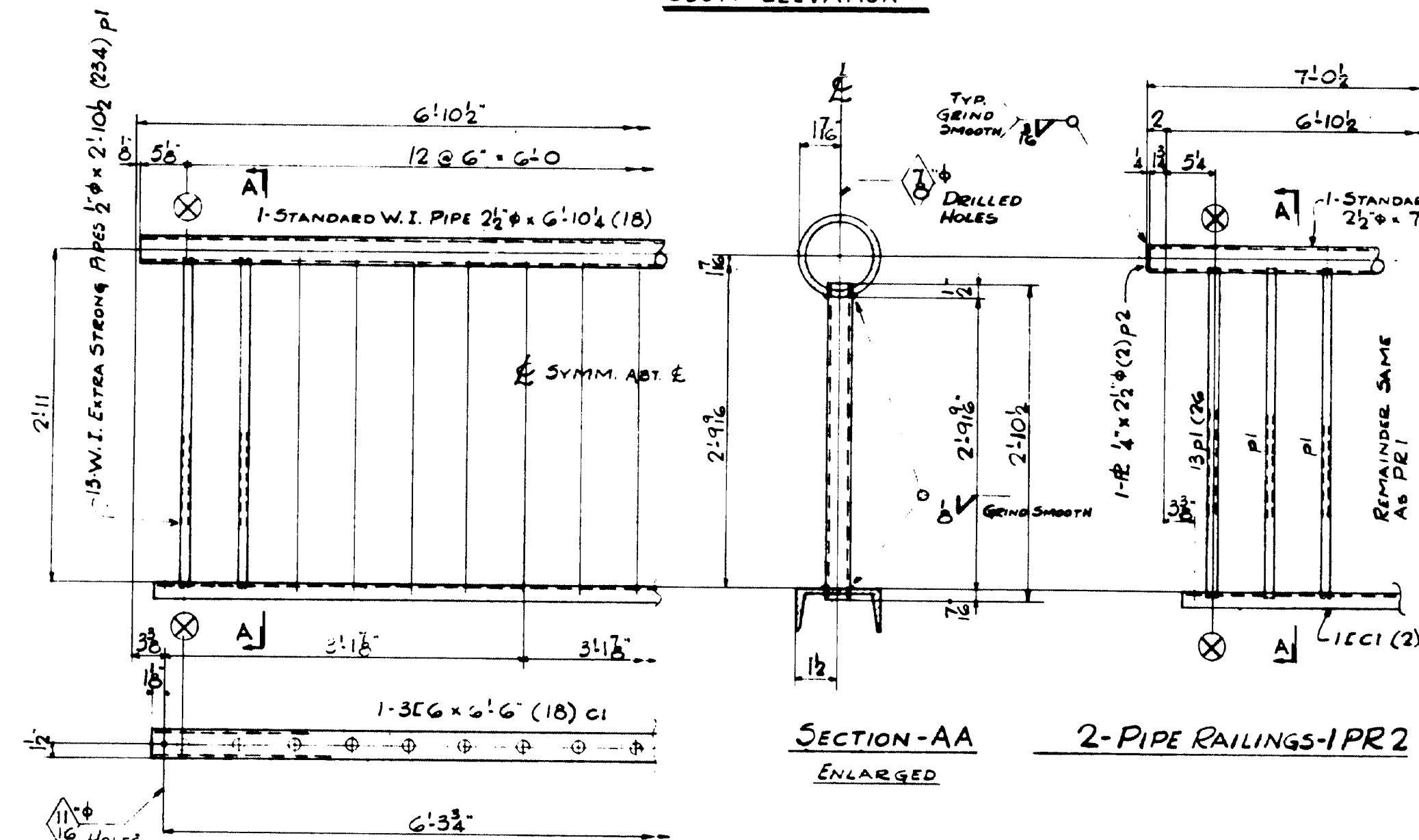
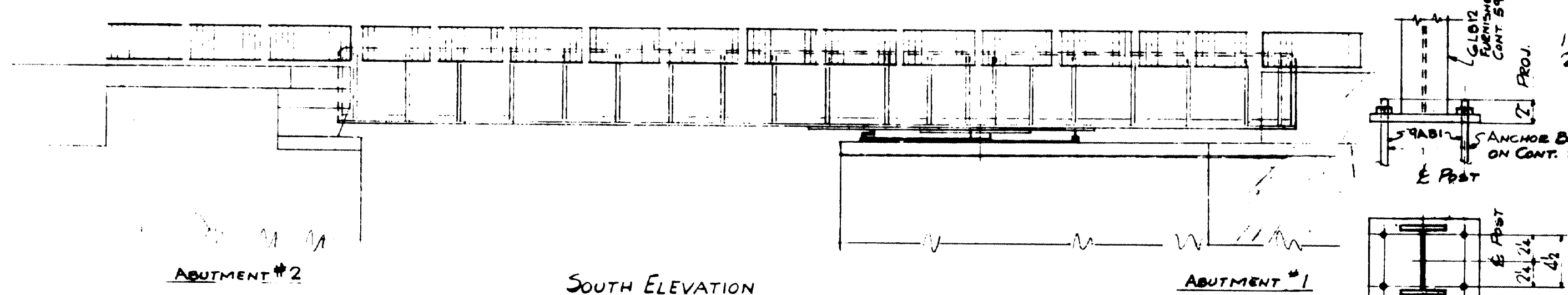
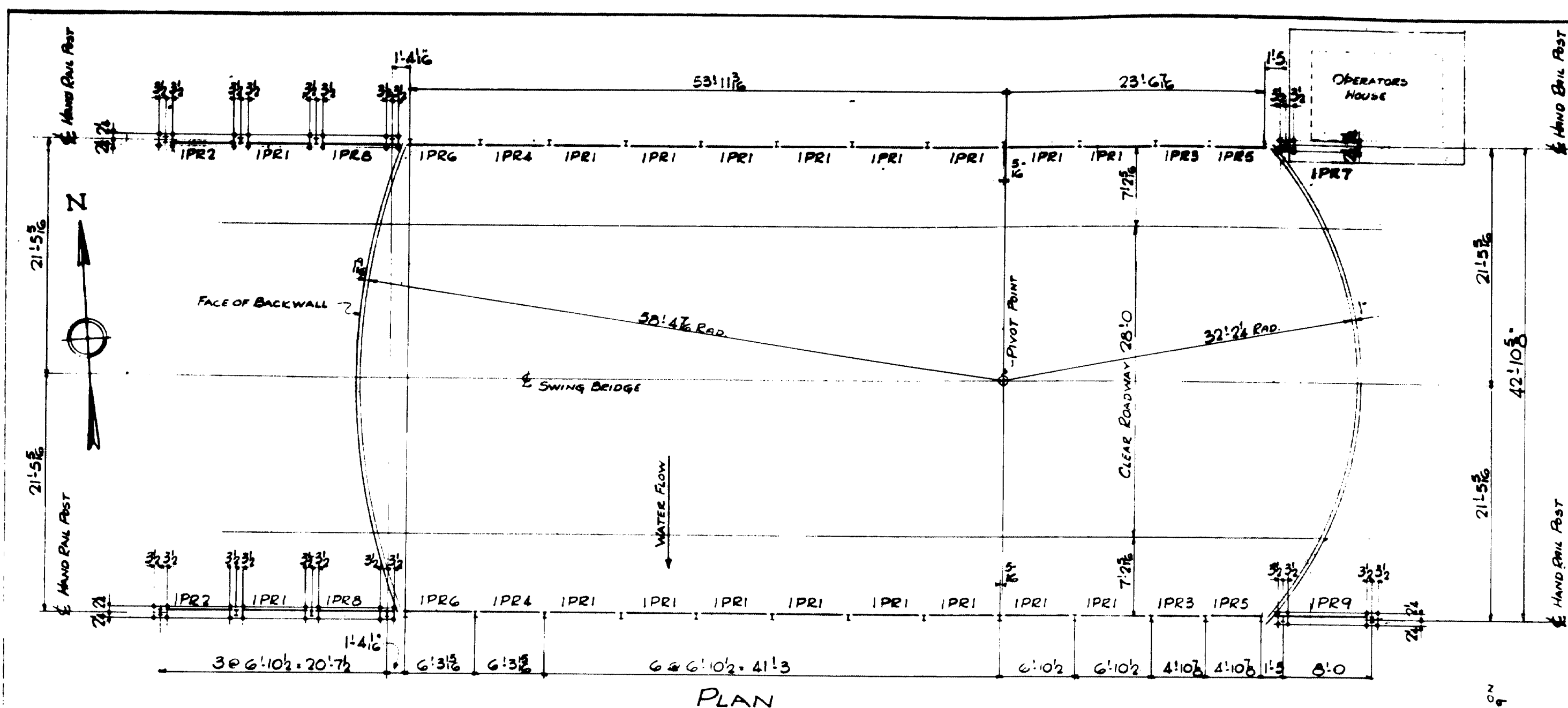
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES		UNLESS NOTED	
<p>LACKAWANNA STEEL CONSTRUCTION CORP^N BUFFALO, N. Y.</p>					
<p>STRUCTURE <u>NAPLES BAY SWING BRIDGE</u> FOR: <u>STATE OF MAINE</u> DETAILS OF: <u>BEAMS & CHANNELS</u> SPECIFICATIONS: <u>MAINE STEEL HIGHWAY BR 1965</u> SHOP PAINT: <u>1 COAT RED LEAD PER SPEC</u> FIELD PAINT</p>					
DRAWN BY		DATE	CHECKED BY	DATE	SQUAD FOREMAN
LUX		11-13-55	R.H.	1/24/53	A.M.
REVISIONS	NO.	DATE	BY	DESCRIPTION	
	1				
	2				
	3				
	4				
	5				
CONTRACT NO. 5979					SHEET-NO. 10





INSPECTION	SHOP RIVETS	WEIGHT
RIVETS 7/8"	OPEN HOLES 15/16"	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.		
STRUCTURE NAPLES BAY SWING BRIDGE FOR STATE OF MAINE DETAILS OF ANCHOR BOLTS - SPECIFICATIONS MAINE STEEL HIGHWAY BR. 1945		
SHOP PAINT		
DRAWN BY	DATE	CHECKED BY DATE SQUAD FOREMAN
1	2-23-64	R713 A.M.
2		
3		
4		
5		
CONTRACT NO. 5979 SHEET NO. 11		



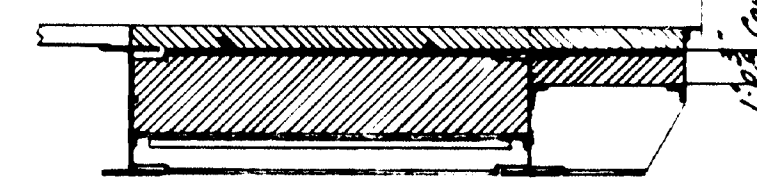
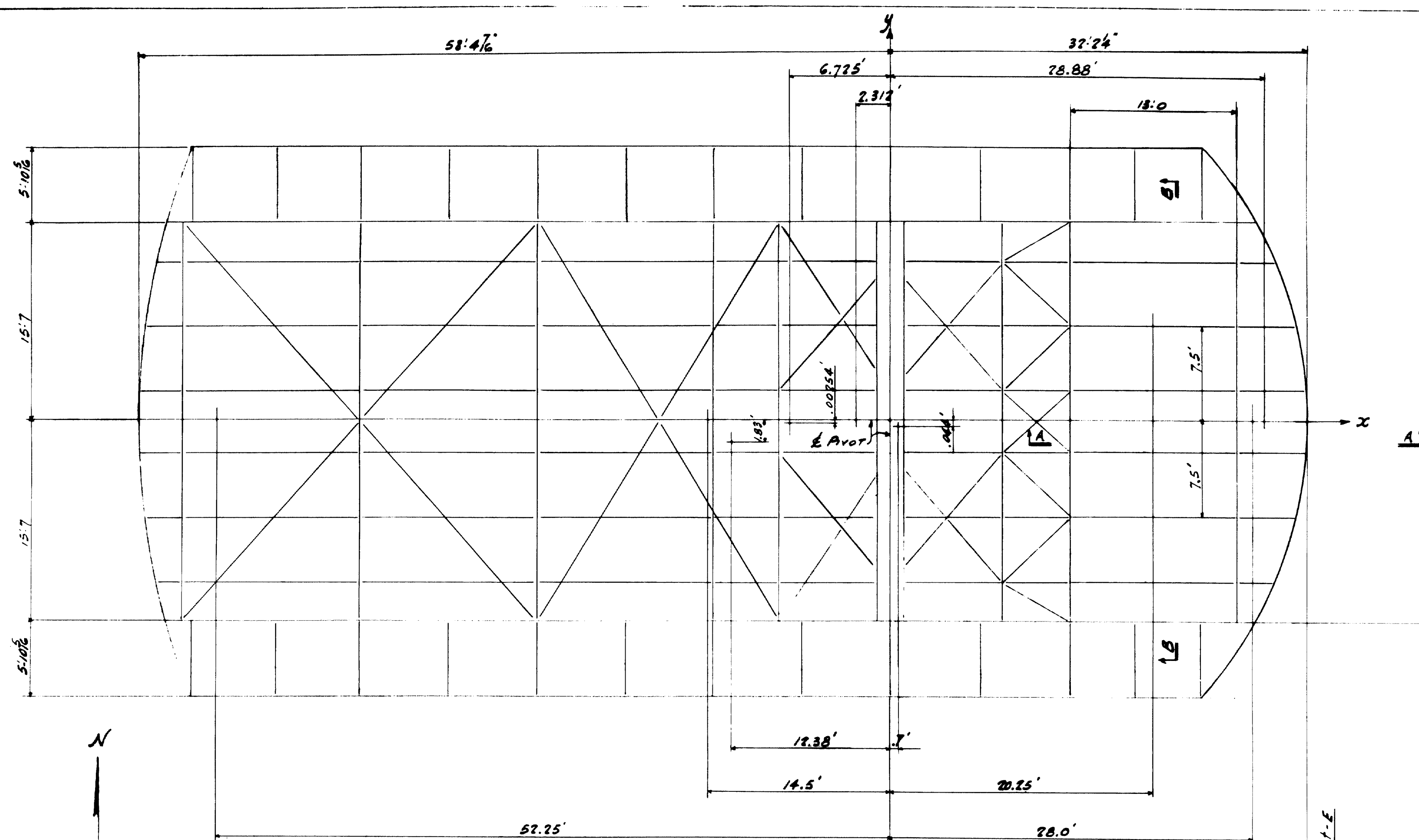
37-HANDRAIL STRAPS-15

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

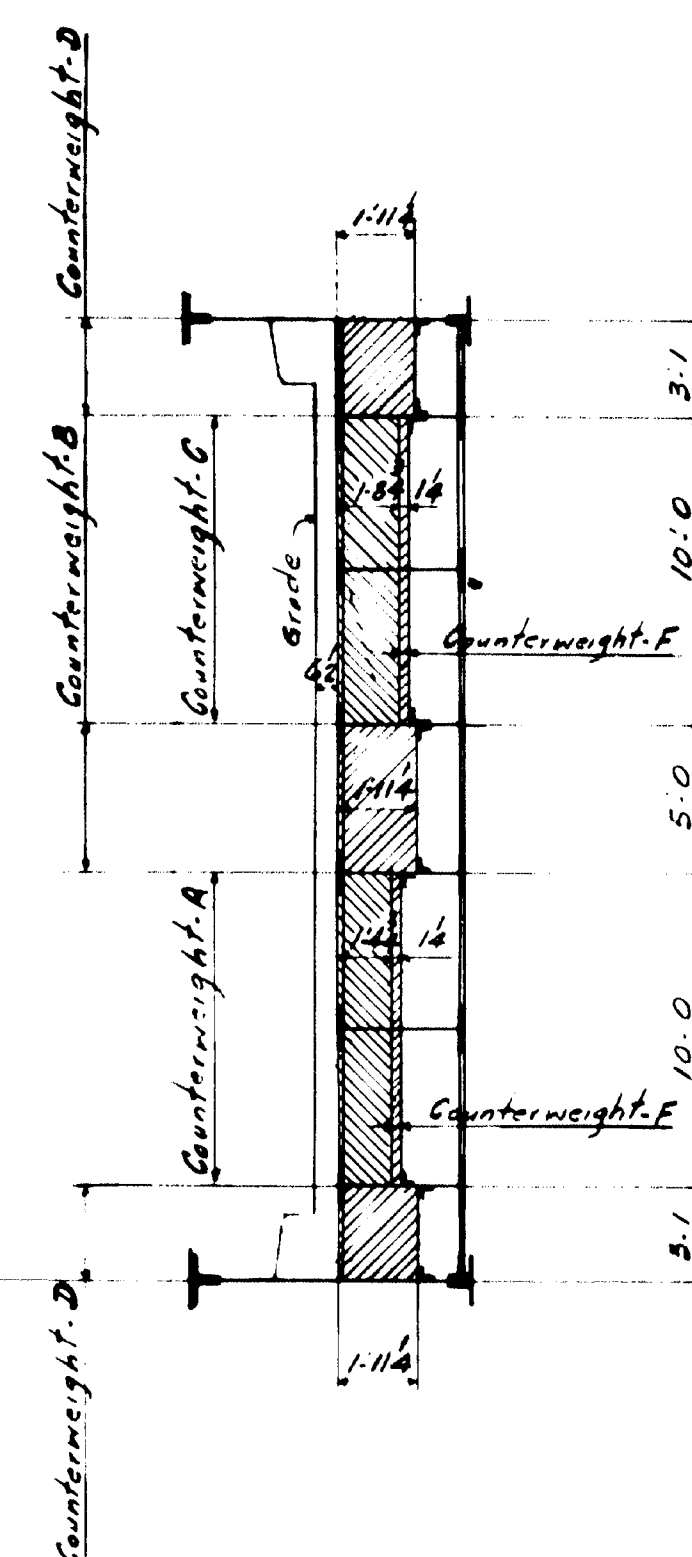
NAPLES BAY BRIDGE
IN THE TOWN OF

NAPLES
CUMBERLAND COUNTY
HARD RAILING DETAILS

(210' 4 1/2' Lincol feet of Railing)				
INSPECTION		SHOP RIVETS		
P.T.L				
RIVETS ✓ OPEN HOLES ✓ UNLESS NOTED				
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.				
STRUCTURE <u>NAPLES BAY BRIDGE</u>				
FOR <u>STATE OF MAINE</u>				
DETAILS OF <u>PIPE RAILING, STRAPS - PLAN</u>				
SPECIFICATIONS <u>MAINE HIGHWAY BRIDGES - 1945</u>				
SHOP PAINT <u>1 COAT RED LEAD PER SPEC'S</u>				
FIELD PAINT _____				
DRAWN BY	DATE	CHECKED BY	DATE	
LUX	9-15-50	E. Keon	A.M.	
REVISIONS	1.	DATE	BY	DESCRIPTION
	2.			
	3.			
	4.			
	5.			
	6.			
CONTRACT NO. <u>5979</u> ¹² SHEET NO. <u>1</u>				



SECTION-AA



SECTION-BB

NOTES

Weights used to calculate counterweight
 Concrete - 144 per cu. ft.
 Concrete filled Sidewalk Grids } 24.9 per sq. ft.
 with 20 Ga. form plates.
 Roadway Grids - 19 per sq. ft.
 Concrete filled Roadway Grids } 76 per sq. ft.
 with 8 form plates

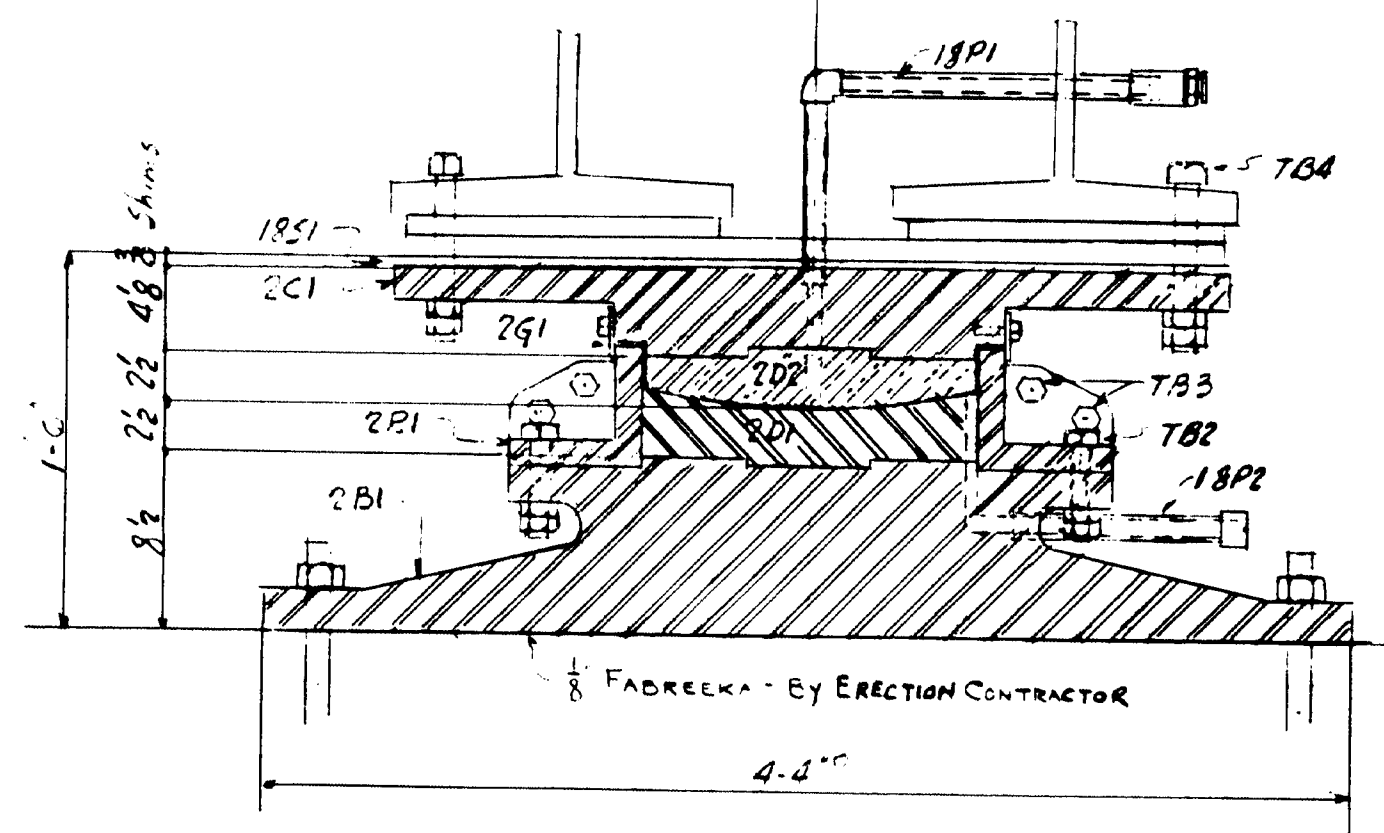
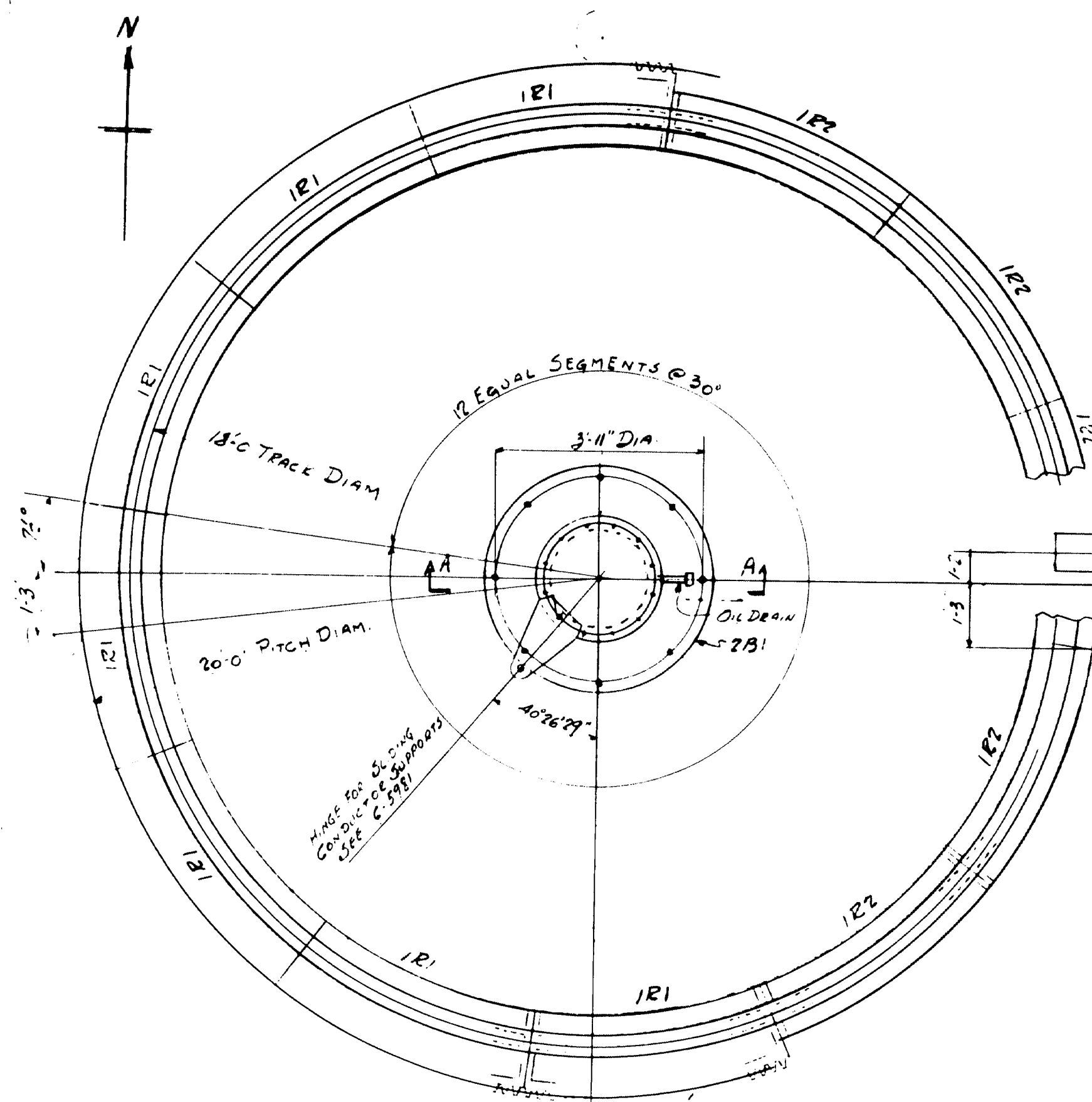
ITEMS	W	X	Y	WX	WY
Structural Steel	218091	- 6.725	- .00254	- 1466660	- 554
Roadway Grids & Pavement	135227	- 2.312	± 0	- 312644	± 0
Sidewalk Grids	23355	- 14.5	± 0	- 338647	± 0
Machinery	24229	- 12.38	- 1.83	- 299955	- 44339
Electrical	3475	+ .7	- .044	+ 2433	- 152
Counterweight-A	25726	+ 20.25	- 7.5	+ 520951	- 192945
Counterweight-B	17568	+ 20.25	± 0	+ 355752	± 0
Counterweight-C	31752	+ 20.25	+ 7.5	+ 642573	+ 237990
Counterweight-D	21666	+ 20.25	± 0	+ 438737	± 0
Counterweight-E	15840	+ 28.88	± 0	+ 457460	± 0
Counterweight-F	3599	+ 20.25	± 0	+ 72879	± 0
TOTALS	520508	$\bar{x} = +.14'$	± 0	+ 72879	± 0

MOVABLE WEIGHTS AT WEST END OF BRIDGE SPAN			
ITEMS	W	X	WX
Bridge Span	520508	+ .14	+ 72879
30 Movable Weights	2850	- 52.25	- 148912
TOTALS	523358	$\bar{x} = -.145$	- 76033

MOVABLE WEIGHTS AT EAST END OF BRIDGE SPAN			
ITEMS	W	X	WX
Bridge Span	520508	+ .14	+ 72879
30 Movable Weights	2850	+ 28.0	+ 79800
TOTALS	523358	$\bar{x} = +.29$	+ 152679

INSPECTION	SHOP RIVETS	WEIGHT
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.		
STRUCTURE NAPLES BAY SWING BRIDGE FOR STATE OF MAINE DETAIL CALCULATIONS FOR COUNTERWEIGHT SPECIFICATIONS MAINE HIGHWAY BRIDGE 1945 SHOP PAINT		
DRAWN BY E. KUM	DATE	CHECKED BY DATE
NO. 1	DATE	BY
NO. 2	DATE	BY
NO. 3	DATE	BY
NO. 4	DATE	BY
NO. 5	DATE	BY
CONTRACT NO. 5979		SHEET NO. 111
5980		

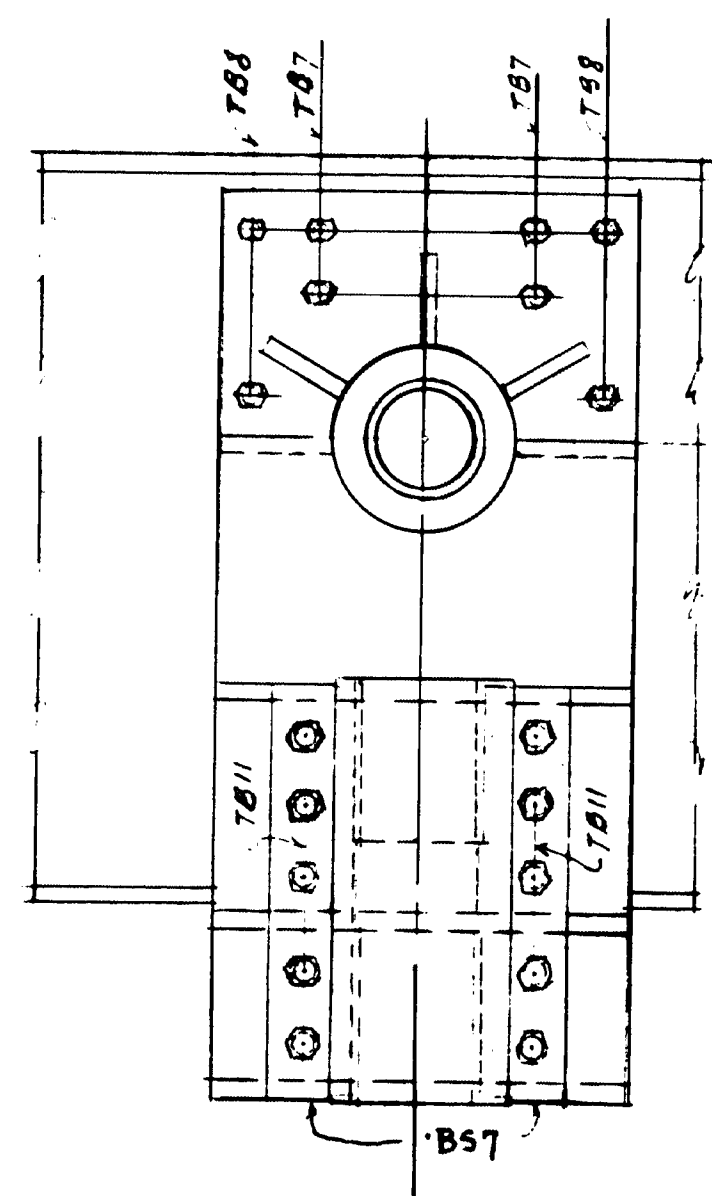
61-119



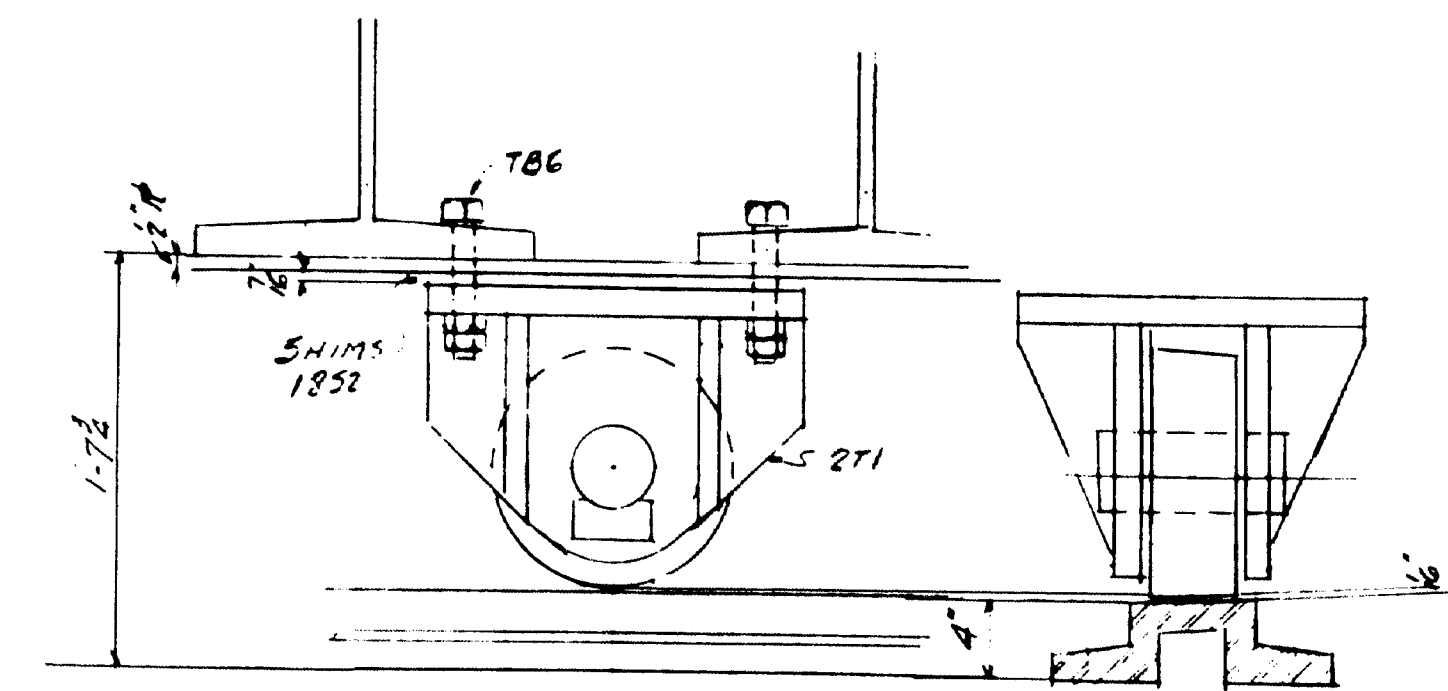
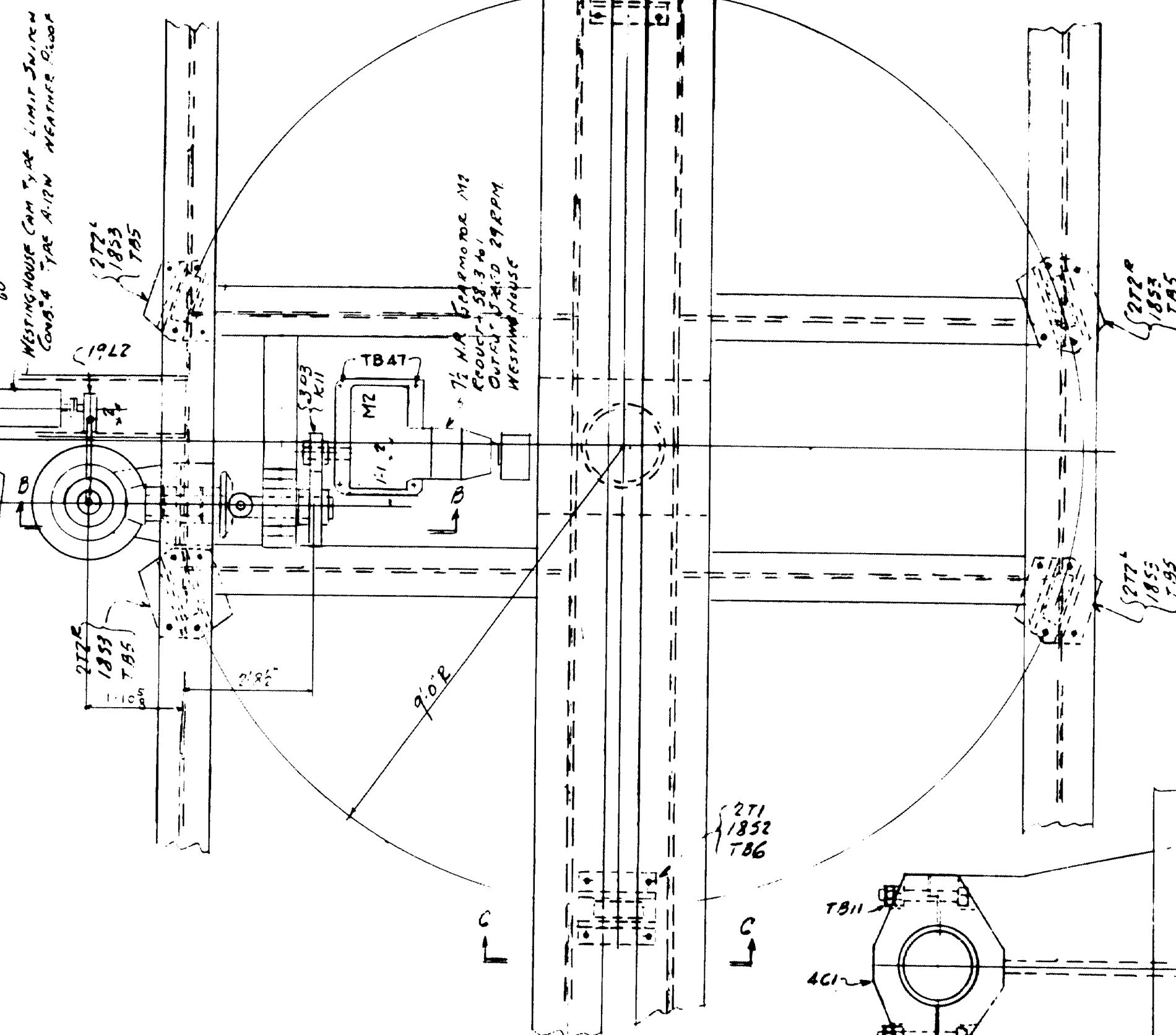
PLAN OF RACK & TRACK

E. 96.59'

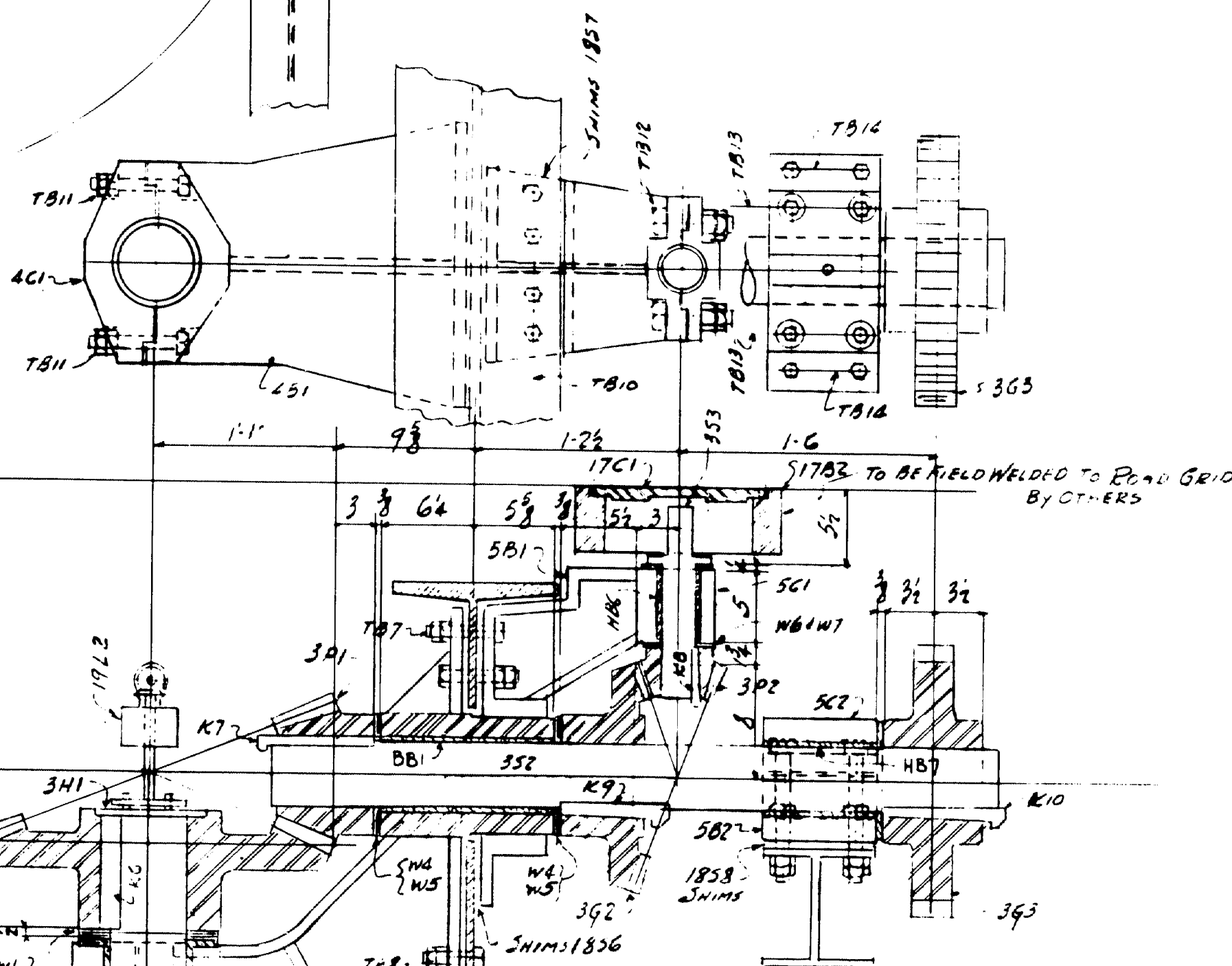
PLAN OF SWING MECHANISM



E. 96.59'



BALANCE WHEELS
SECTION C-C

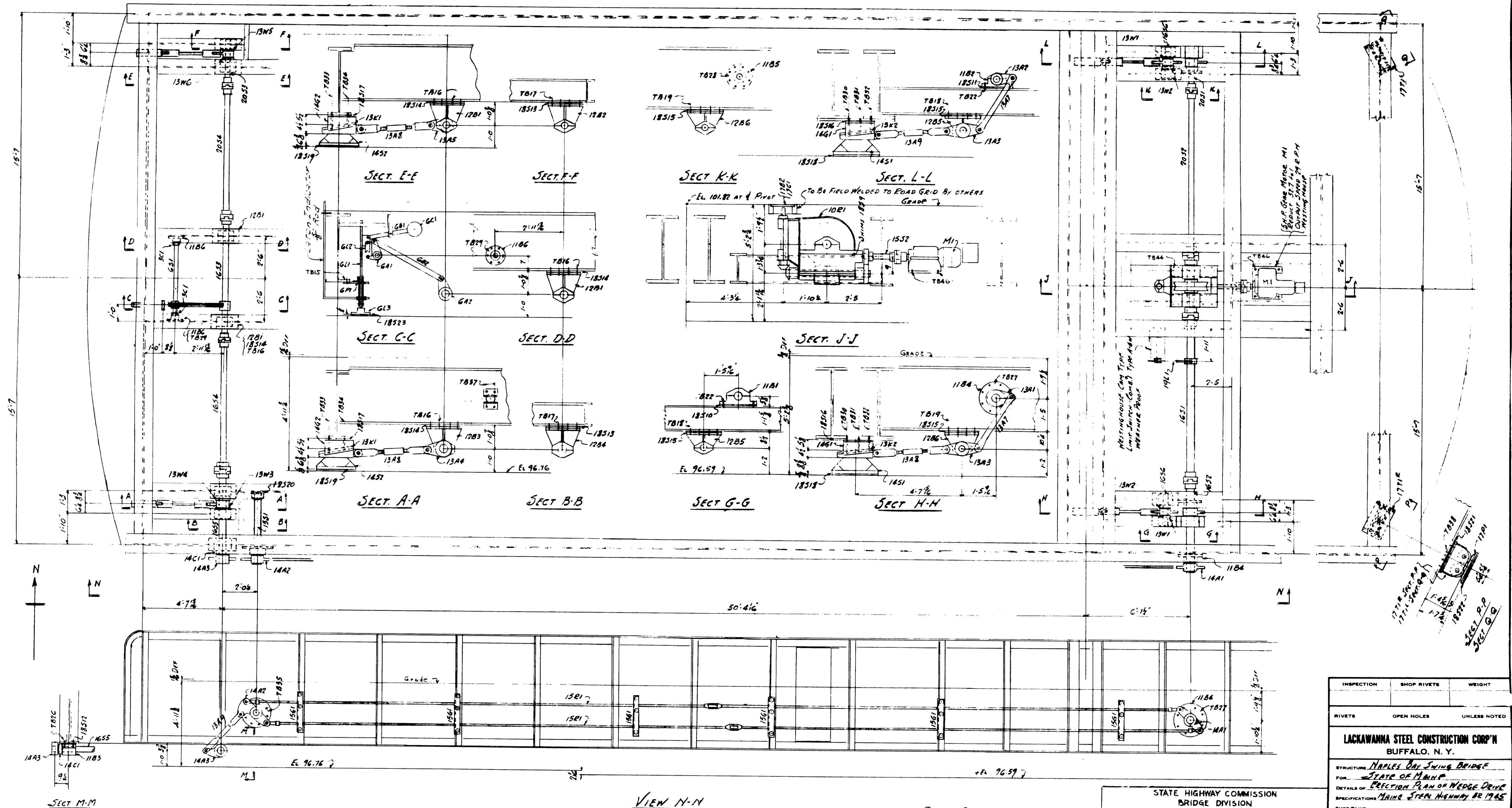


SECTION B-B

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

- MAINTENANCE TOOLS**
- 1- CAPSTAN HEAD - 17B1
 - 3- CAPSTAN HANDLES - 17H1
 - 1- CAP BOX WRENCH - 17W1
 - 1- ALEMITE GREASE GUN - # GG79-J
 - 1- ALEMITE HOSE - # 7089
 - 1- BOX WRENCH - # 8037A
 - 1- DO - # 8742B
 - 1- DO - # 8742B
 - 1- SET SOCKET SCREW KEYS # 22HK
 - 1- WRENCH FOR TURNBUCKLES ON WEDGE RODS

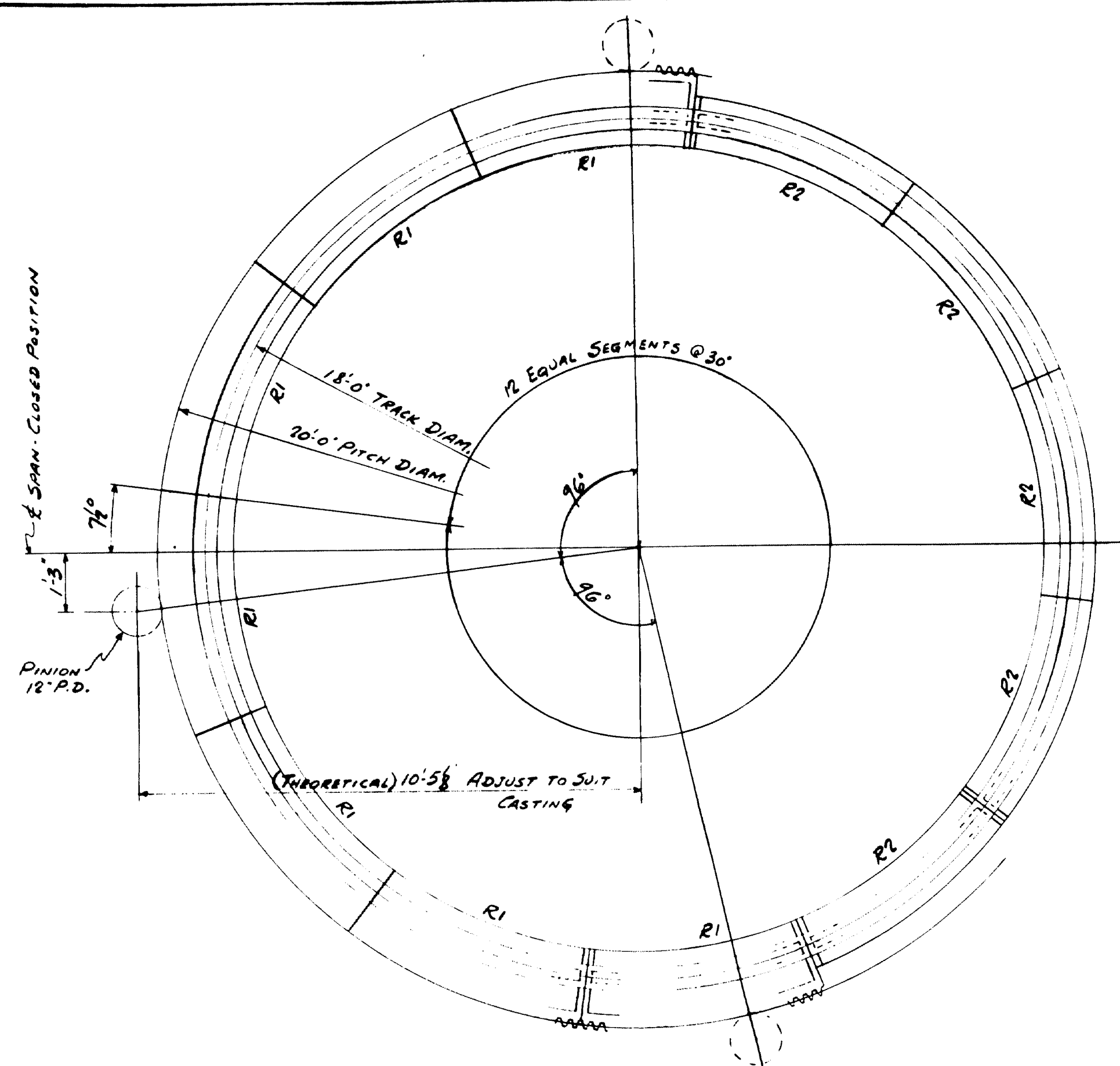
INSPECTION	SHOP RIVETS	WEIGHT
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.		
STRUCTURE: NAPLES BAY BRIDGE		
FOR: STATE OF MAINE		
DETAILS OF: ERECTION PLAN OF SWING MECH.		
SPECIFICATIONS: MAINE STATE HIGHWAY BRIDGE		
SHOP PAINT		
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY
DATE	BY	DATE
NO.	DATE	BY
DESCRIPTION		
1		
2		
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4		
5		
CONTRACT NO. 5980	SHEET NO.	E1



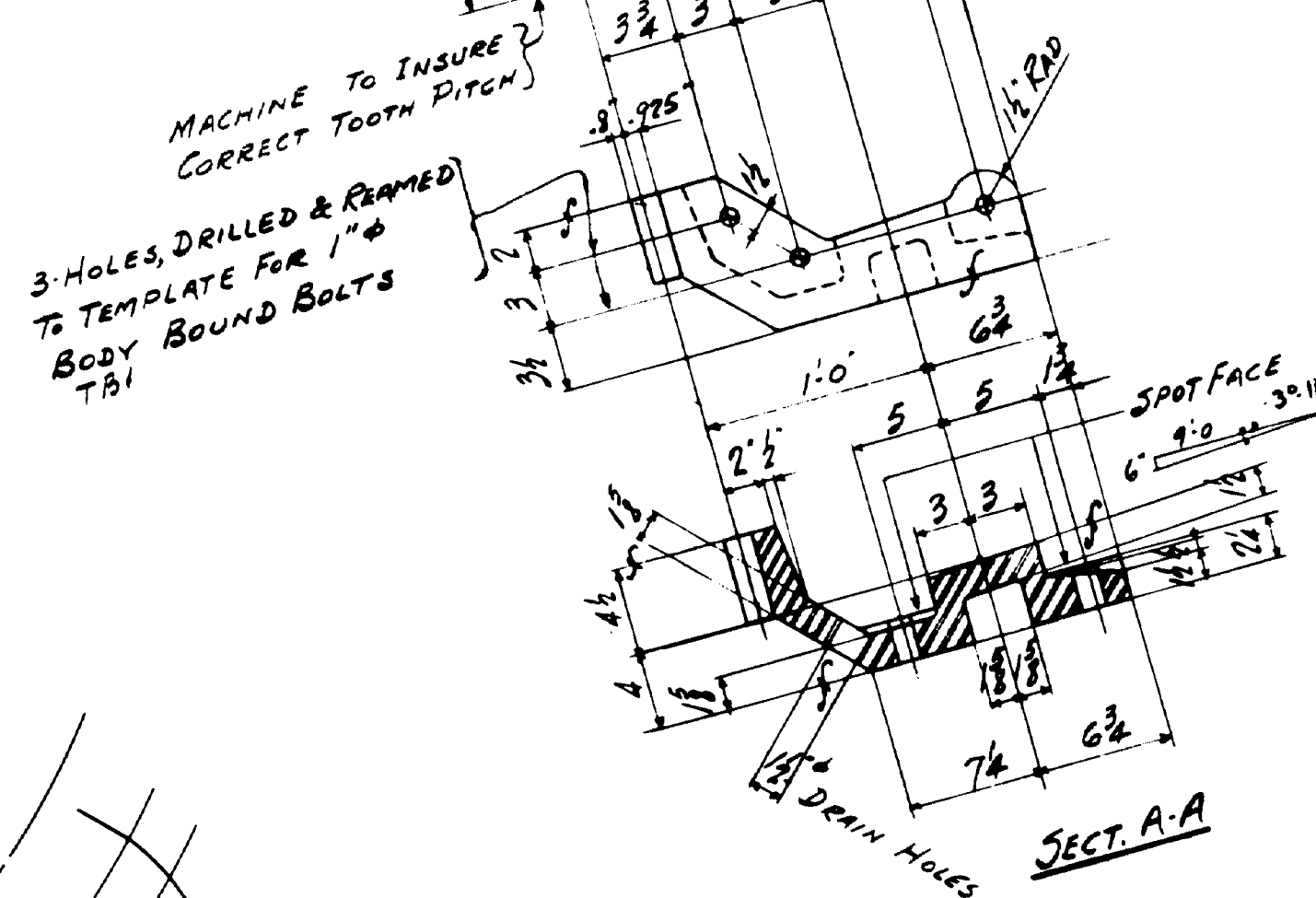
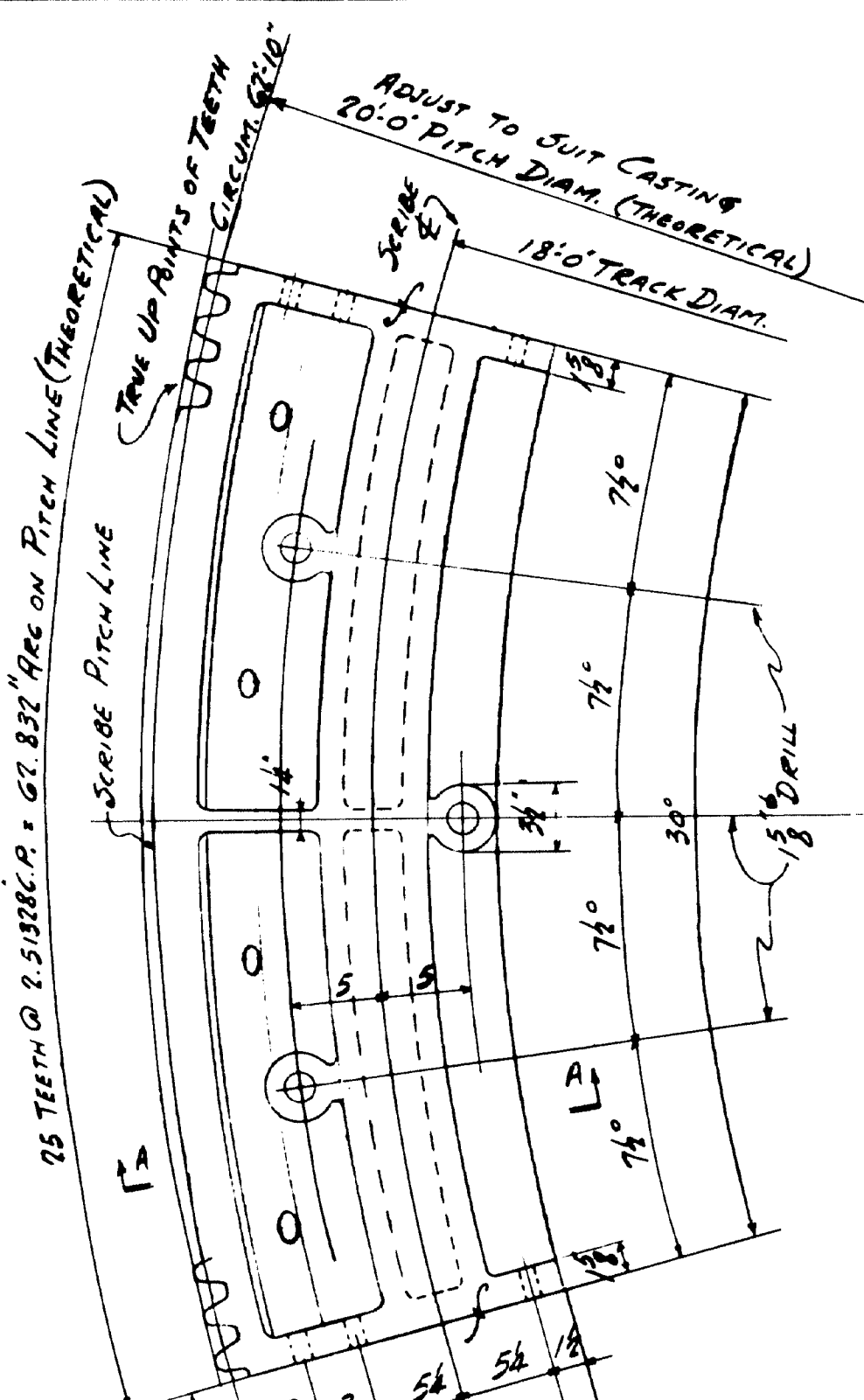
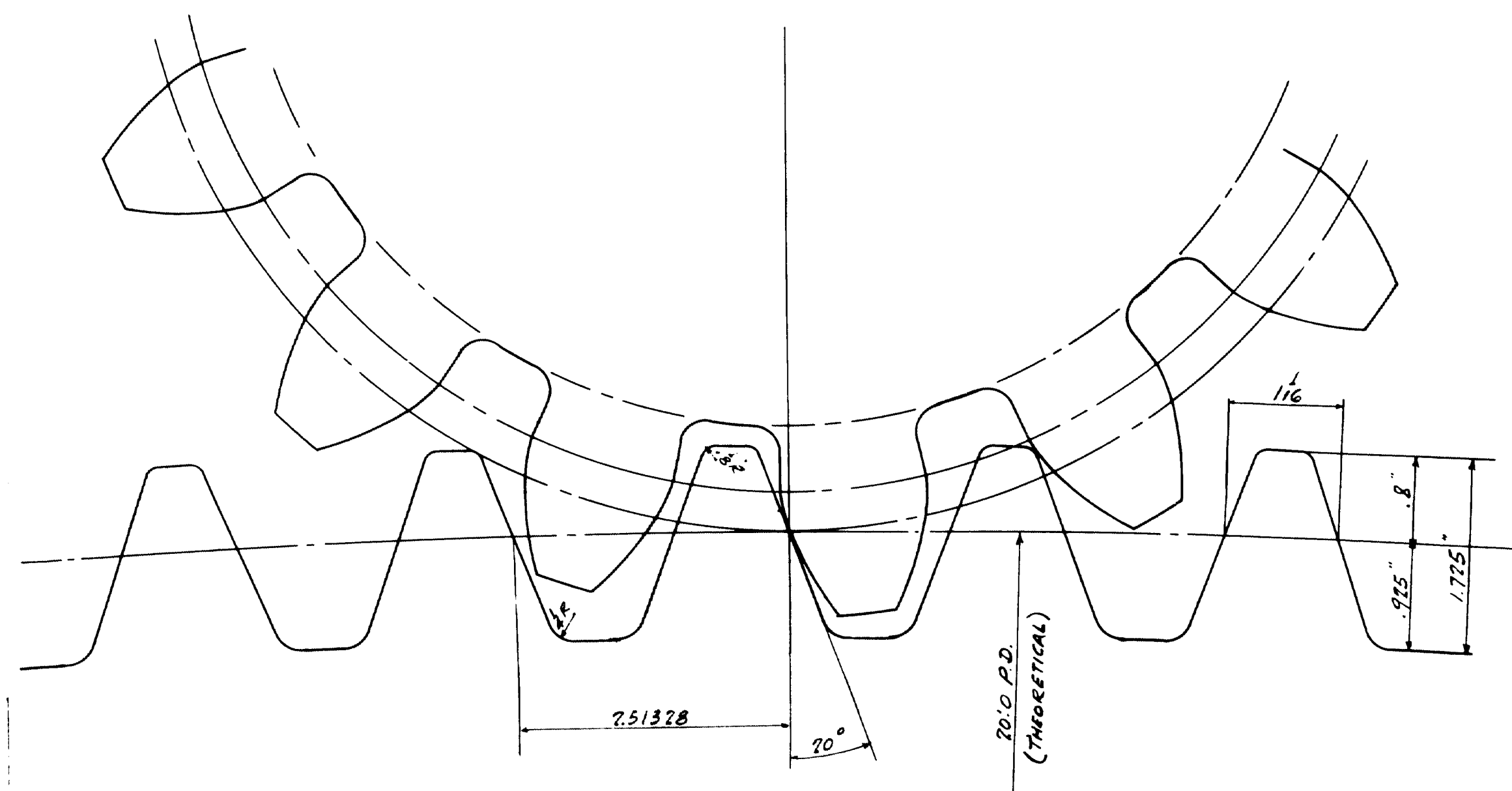
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES		UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.					
STRUCTURE <u>NAPLES BAY SWING BRIDGE</u>					
FOR <u>STATE OF FLORIDA</u>					
DETAILS OF <u>SECTION PLAN OF WEDGE DRIVE</u>					
SPECIFICATION <u>MAINE STEEL HIGHWAY BR 1945</u>					
SHOP PAINT					
FIELD PAINT					
DRAWN BY		CHECKED BY		DATE	
Buller 10/15/54					
NO.		DATE		BY	
1					
2					
3					
4					
5					
CONTRACT NO. <u>5980</u> SHEET NO. <u>22</u>					

61-1.21



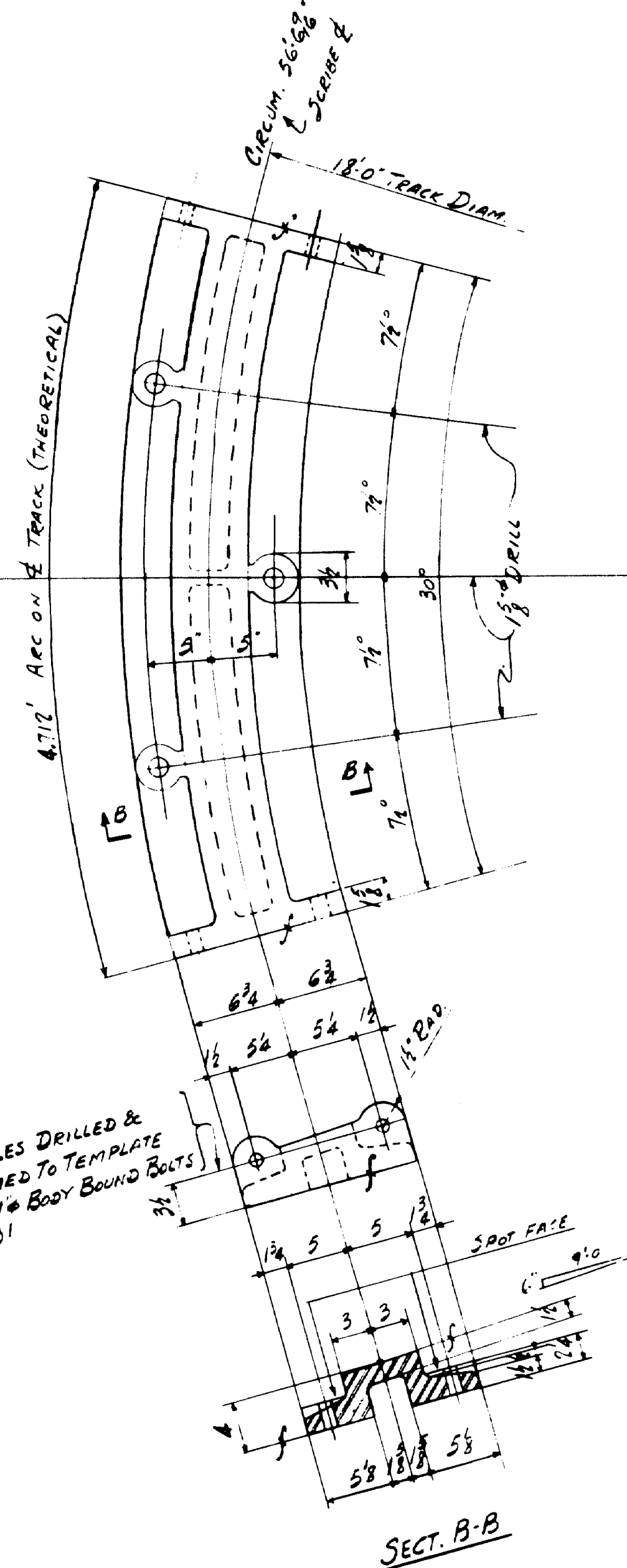
PLAN OF RACK & TRACK
ASSEMBLY AND MATCH MARK



7-RACK SECTIONS - PATT #5980-1R1
CAST STEEL ANNEALED

20° INVOLUTE CAST TEETH (MAYBE HAND MOLDED)
175 TEETH TOTAL
25 TEETH PER SEG.
D.P. 14
P.D. 20.0
FACE 4.5

MATERIAL - CAST STEEL
A.S.T.M. DESIGNATION: A27-46T GRADE 65-35



5-TRACK SECTIONS - PATT #5980-1R2
CAST STEEL ANNEALED

NOTES

All Dimensions Marked Theoretical Are To Be Adjusted To Suit Errors In Estimation Of Shrinkage, And Adjustments Reported By Machine Shop, So These Adjustments May Be Incorporated On Drawings.
Special Tooth Thickness Of 1/16" On Rack To Provide Additional Backlash, On Account Of Cast Teeth.
Fillets At Tooth Tips And Roots 1/8" & 1/4" Respectively.
Rack To Mesh With A.G.M.A. Std. 14 D.P. 20° Involute, Full Depth Tooth Form, Cut Tooth Pinion, Having 15 Teeth And Std. Tooth Thickness.

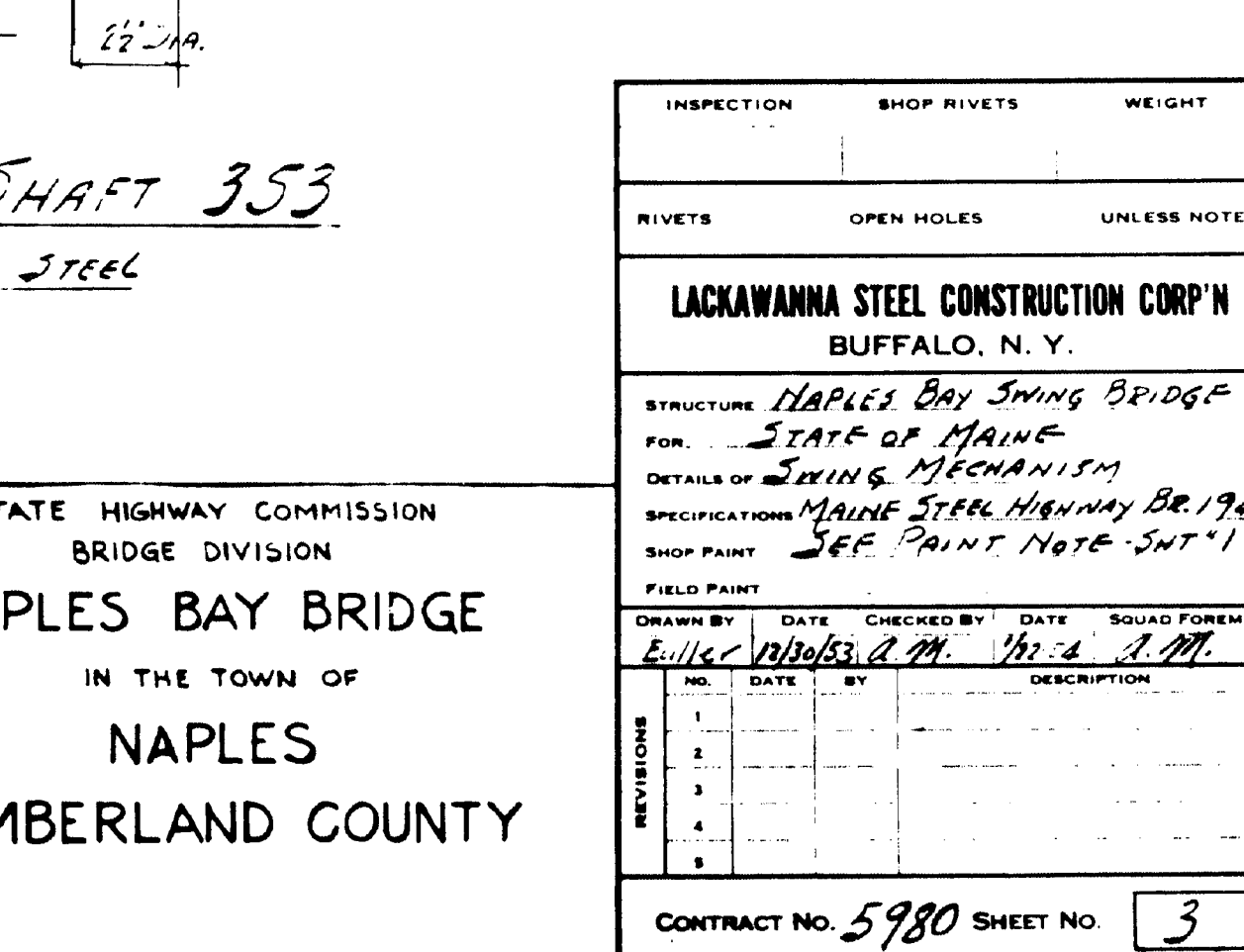
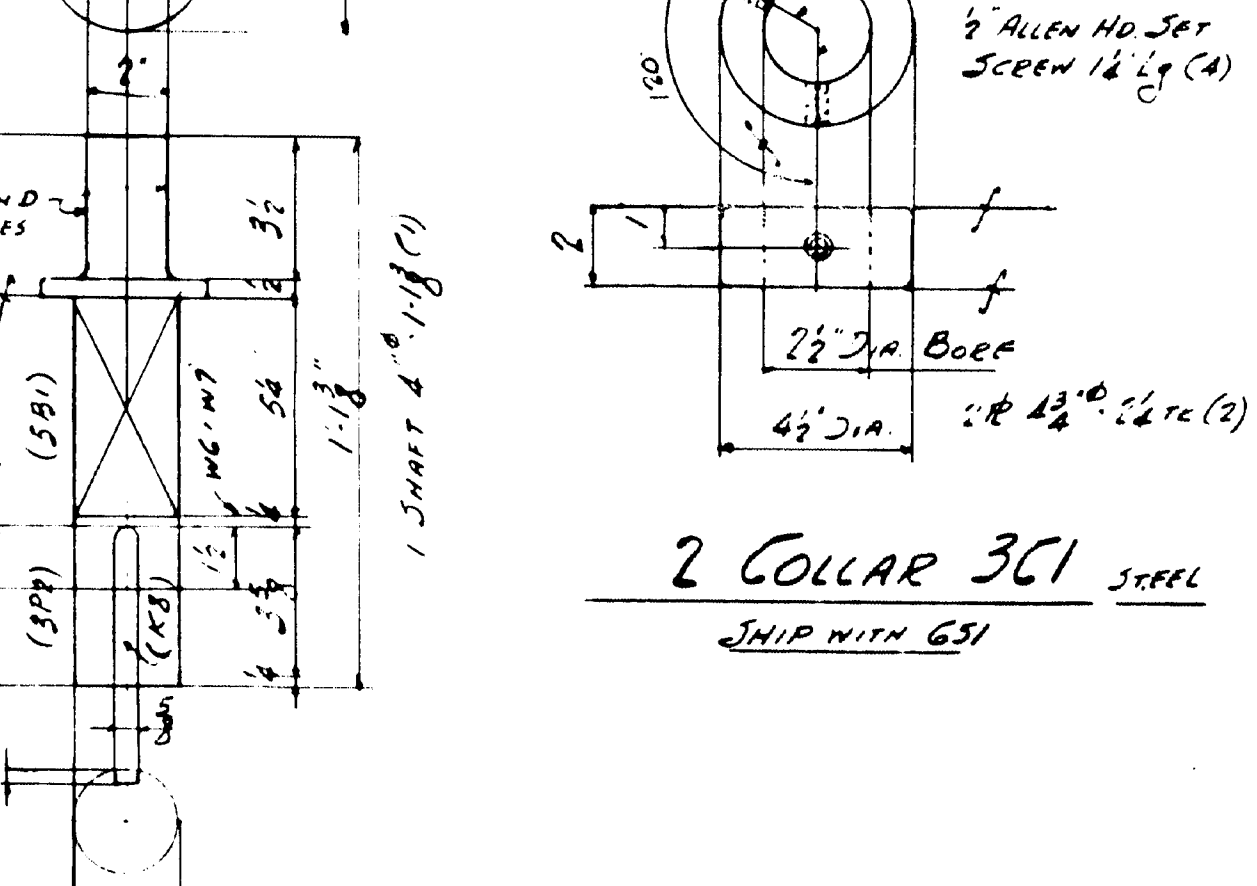
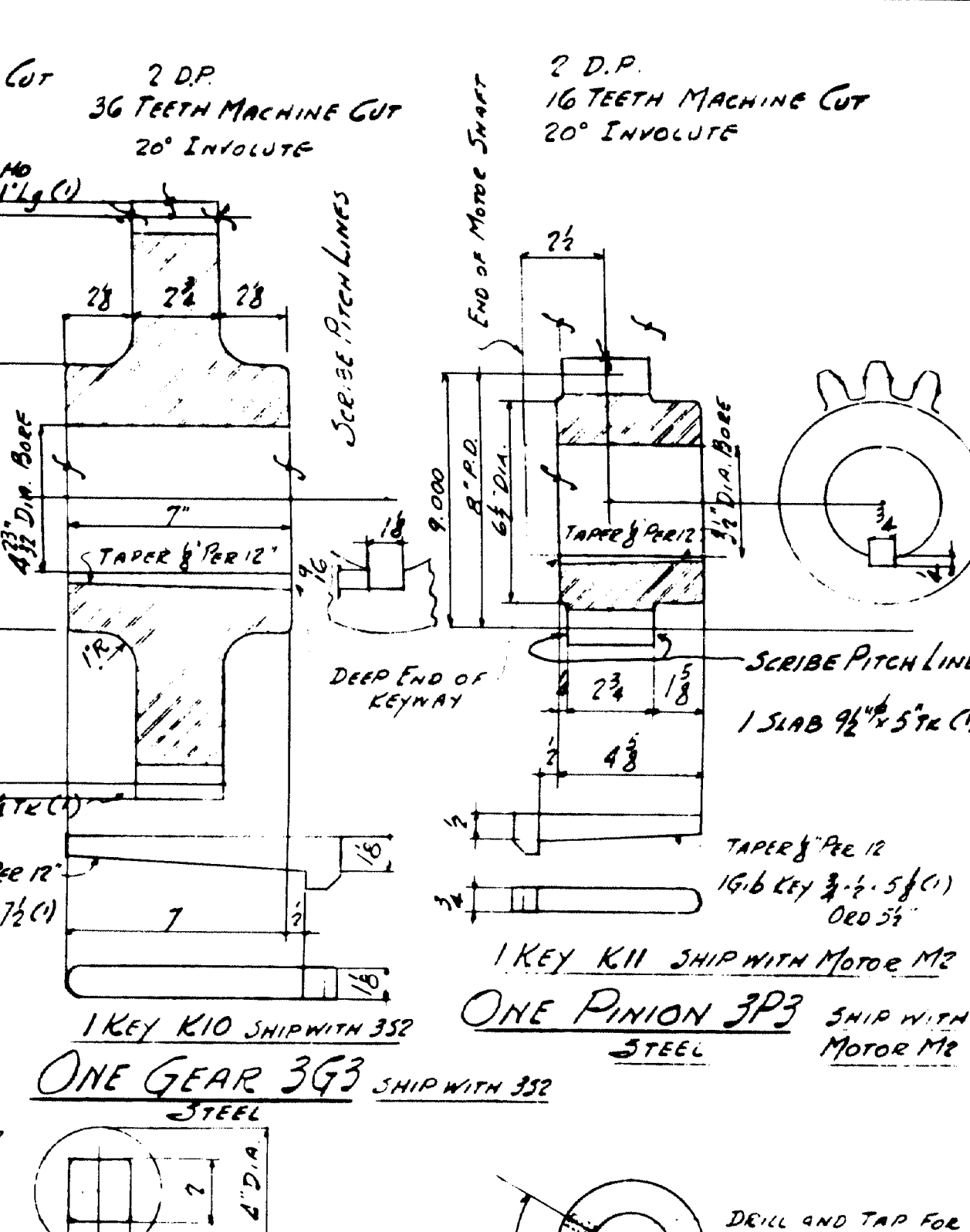
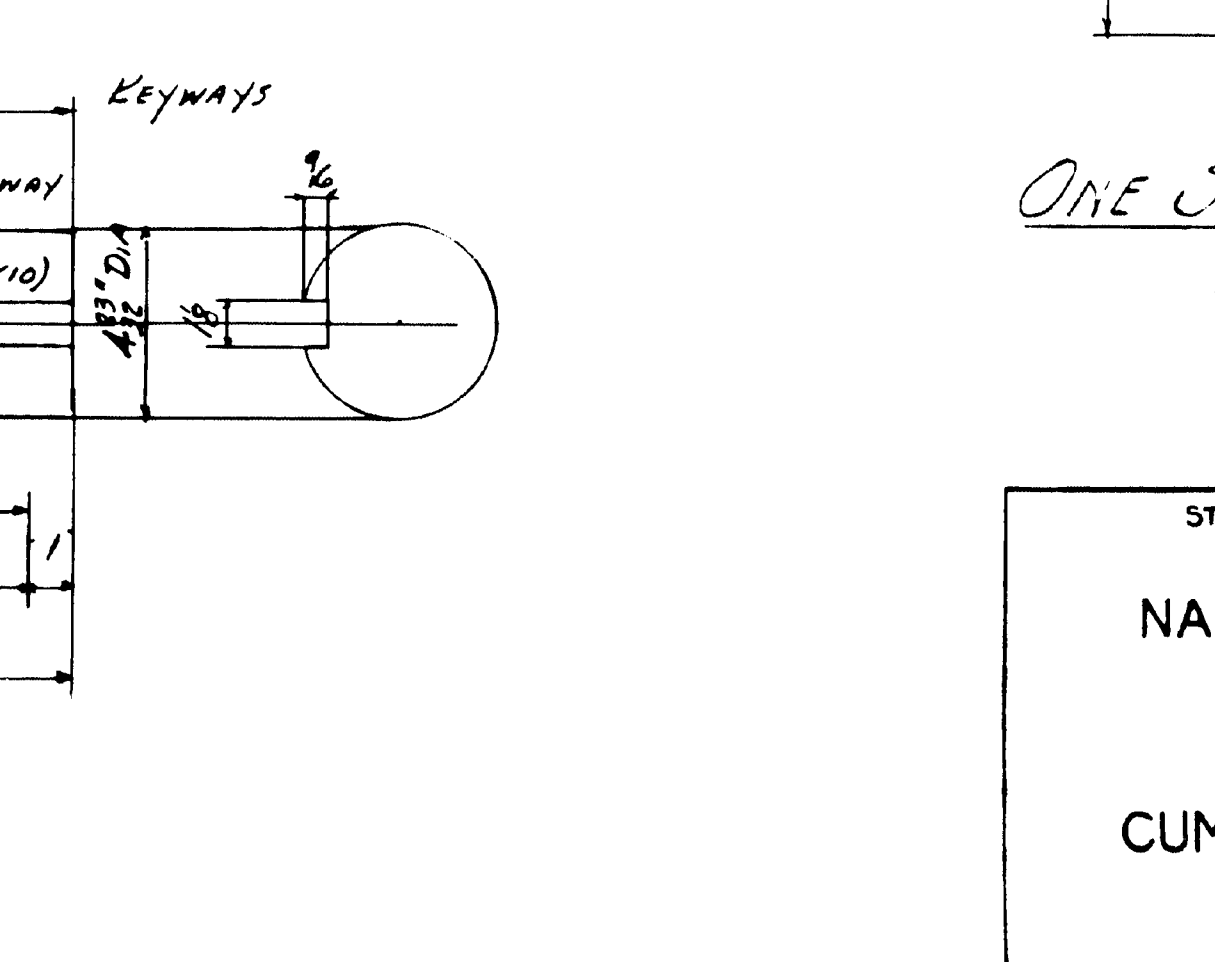
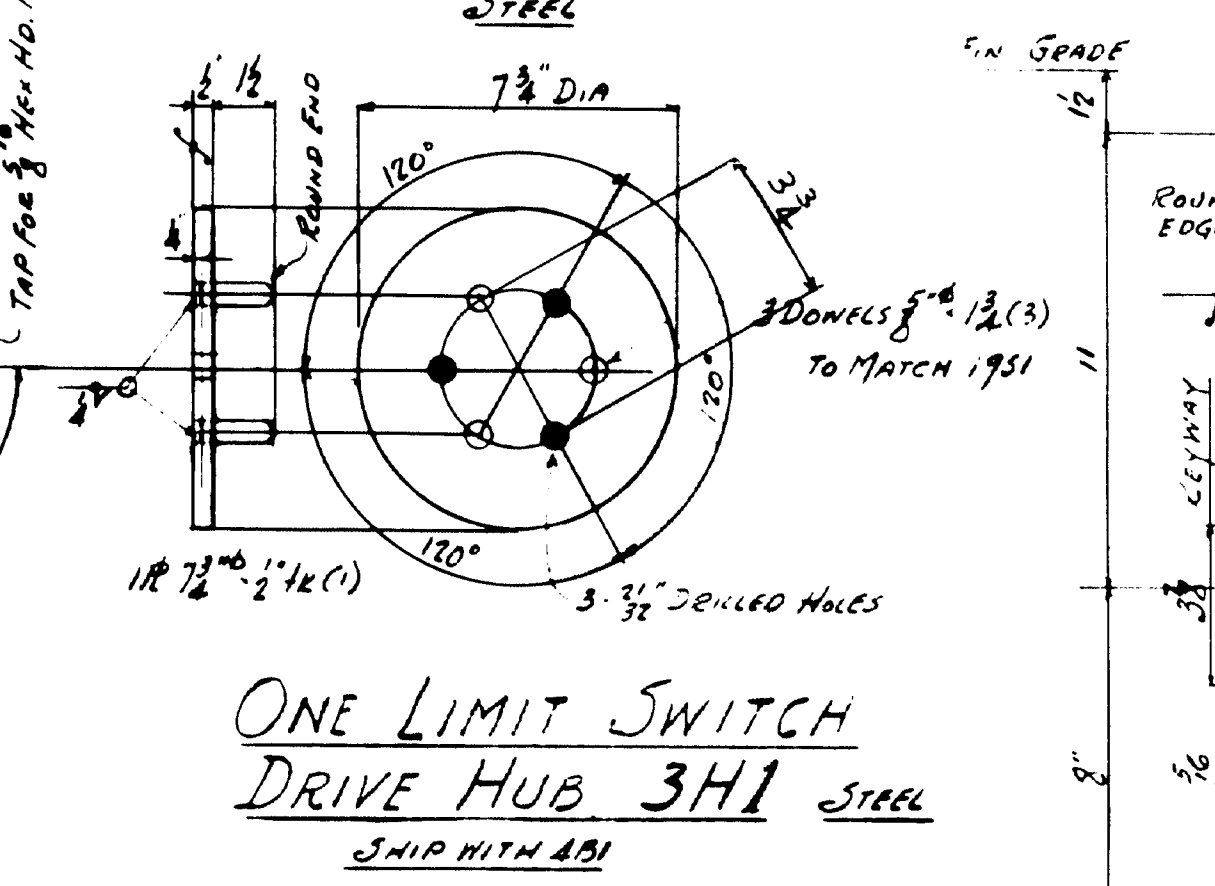
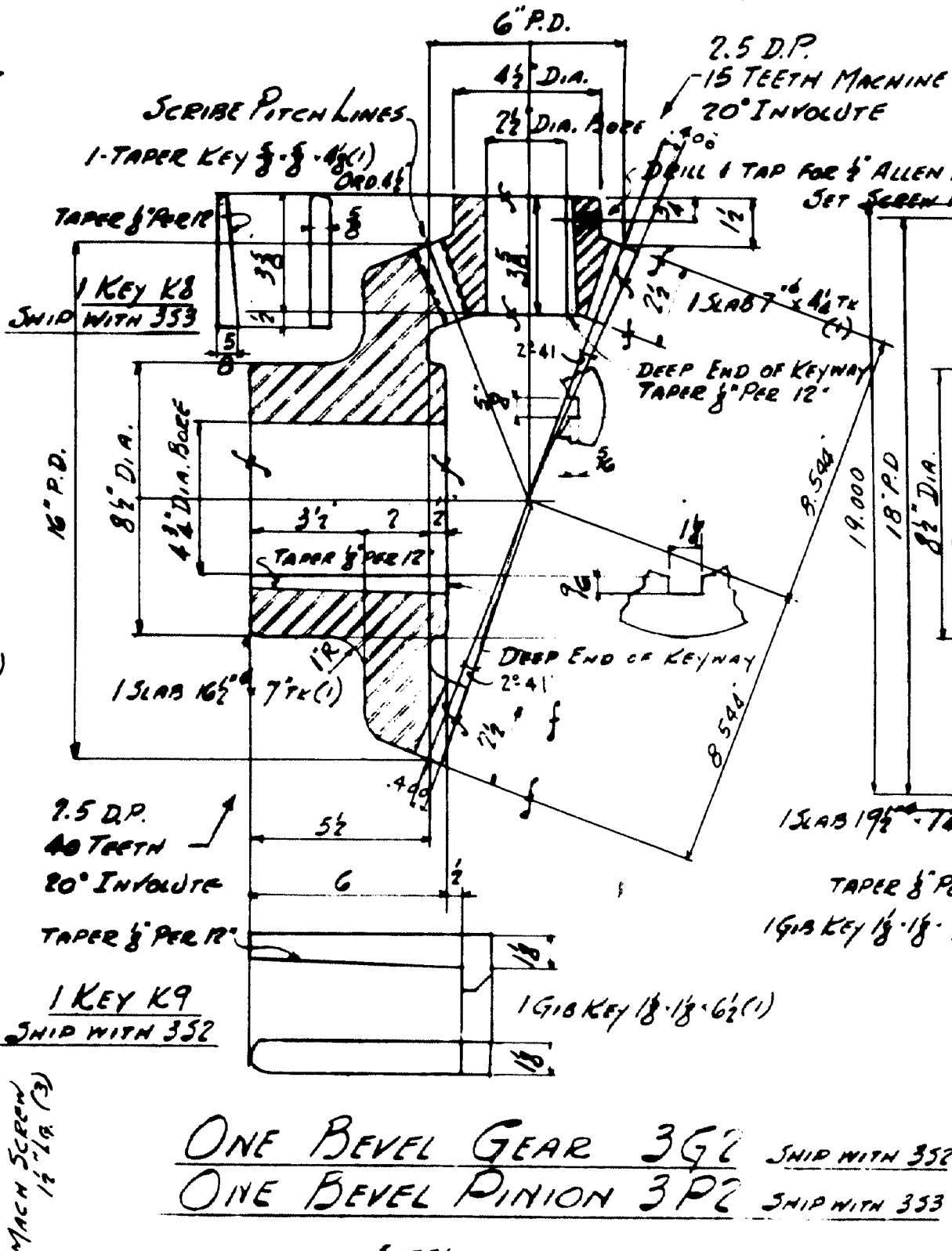
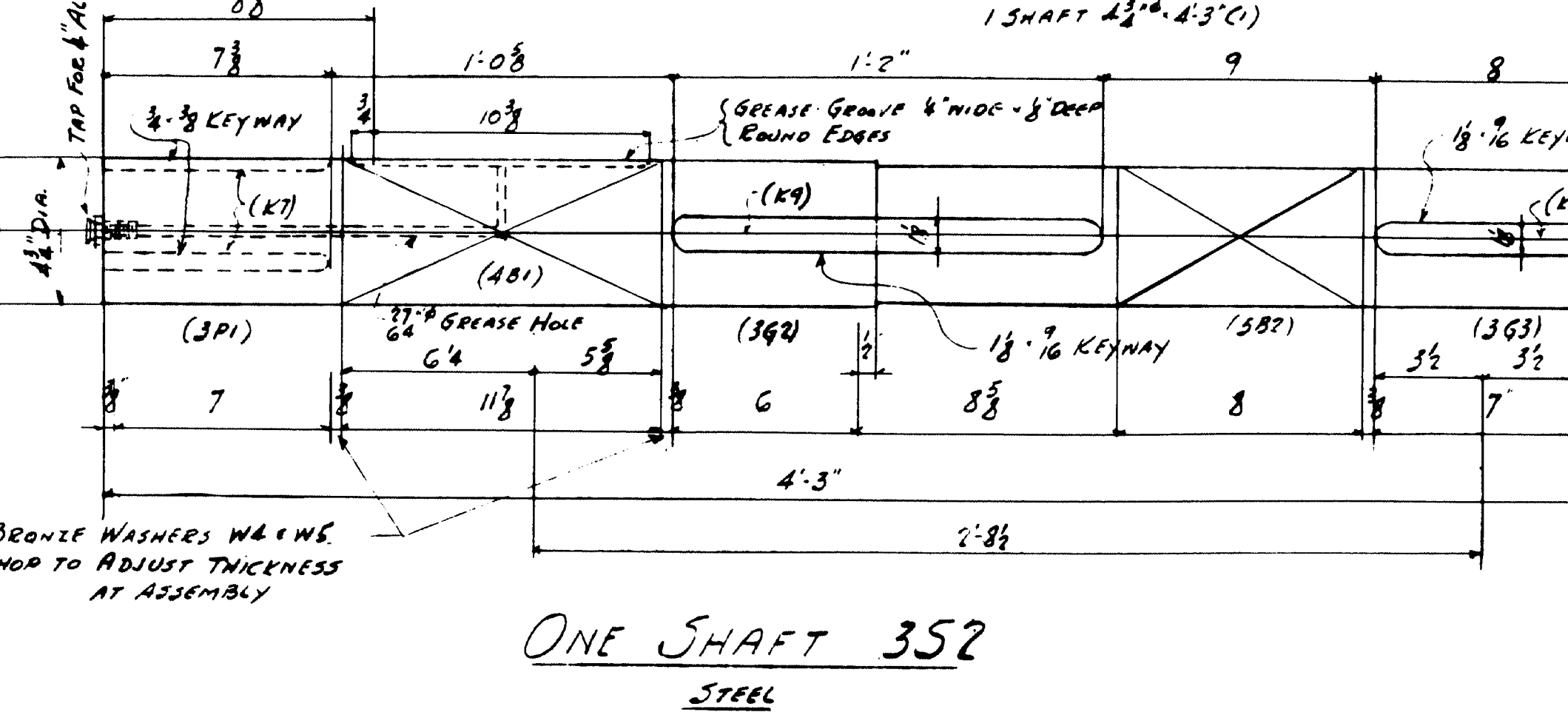
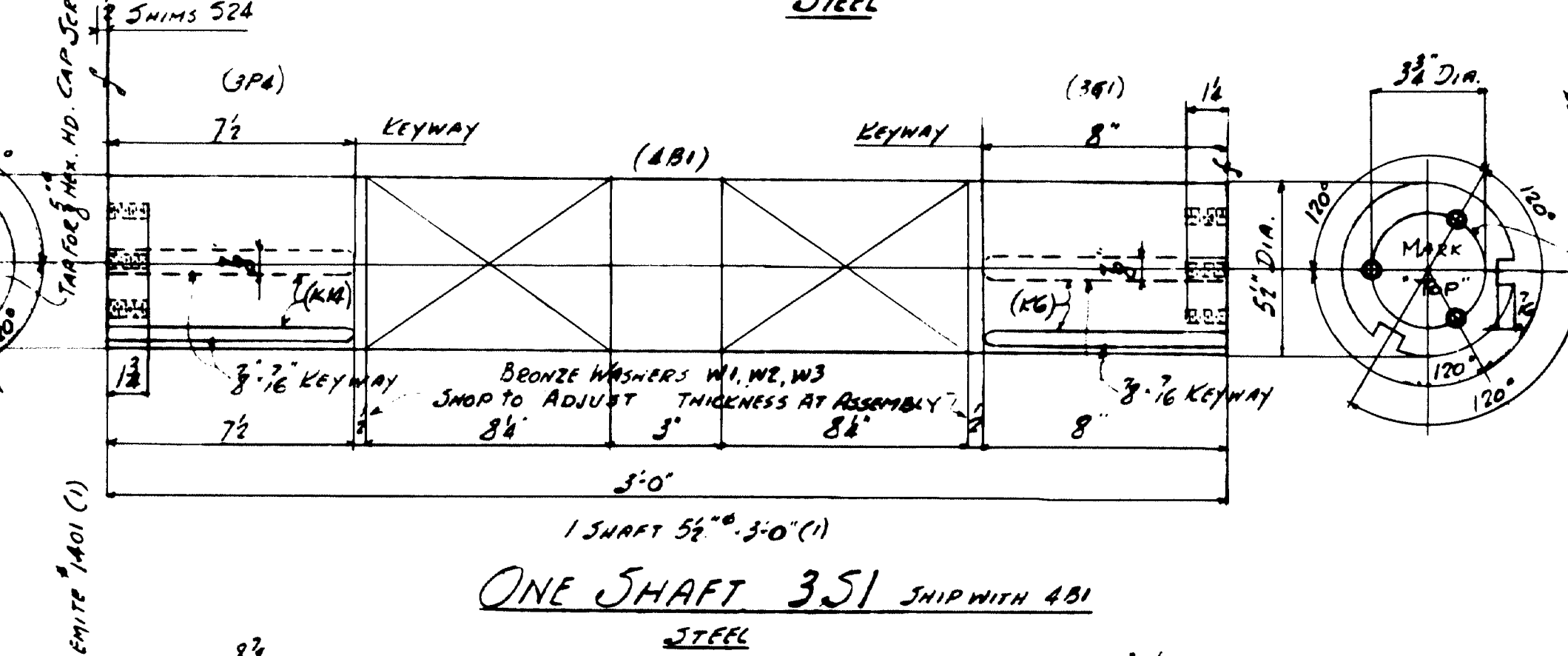
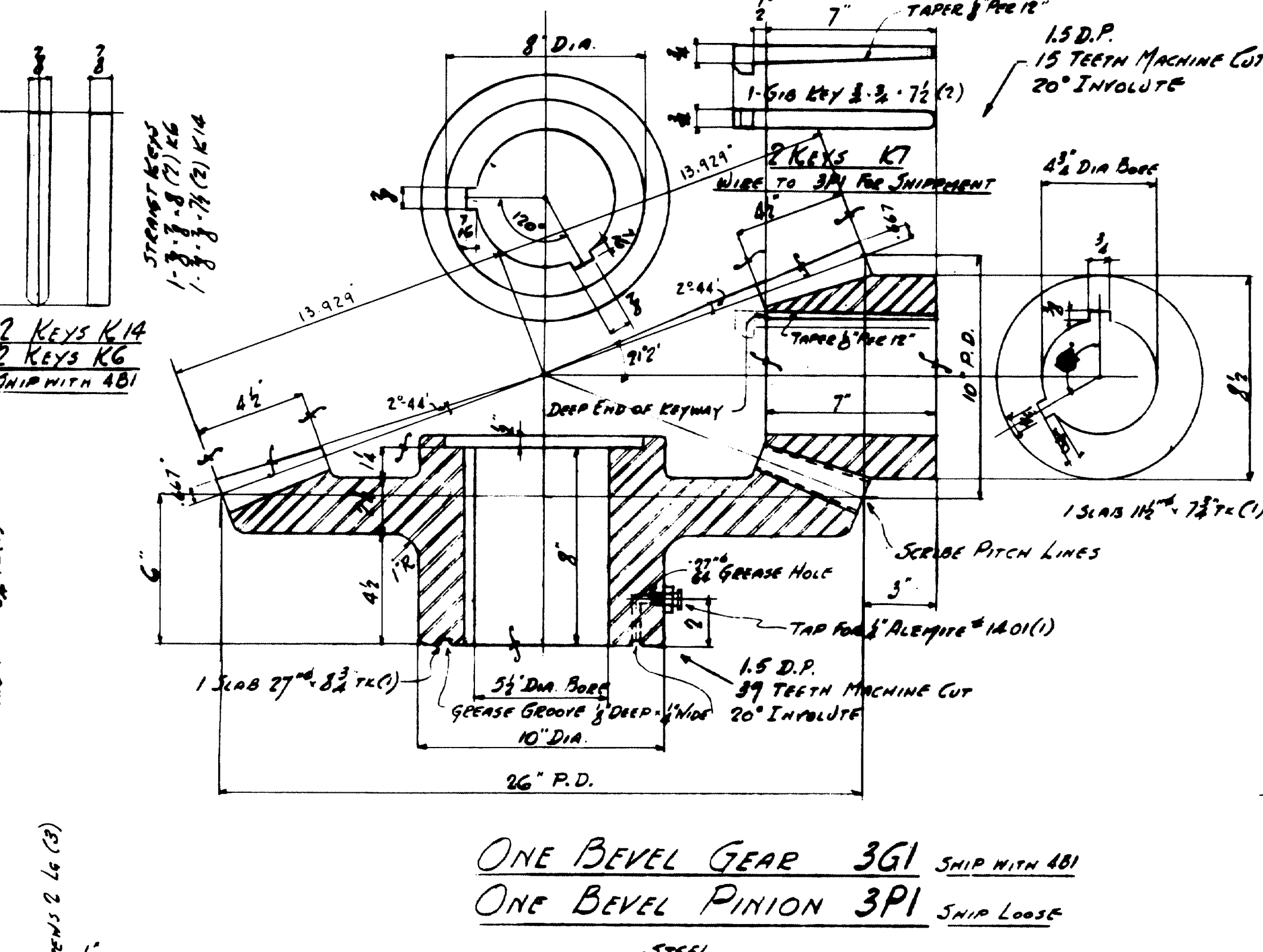
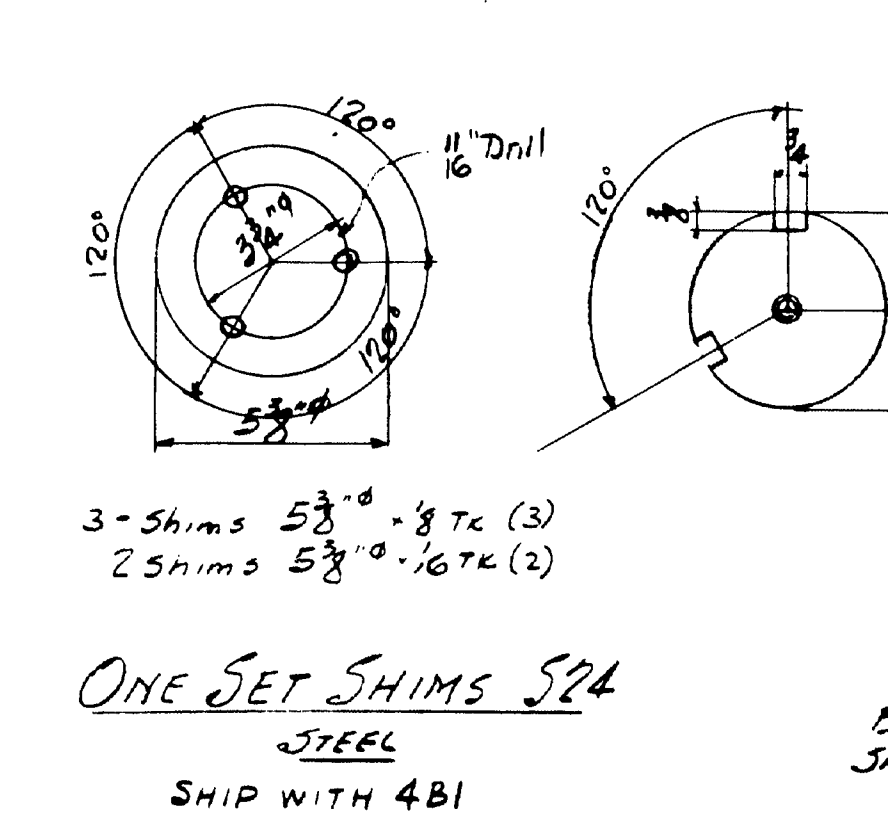
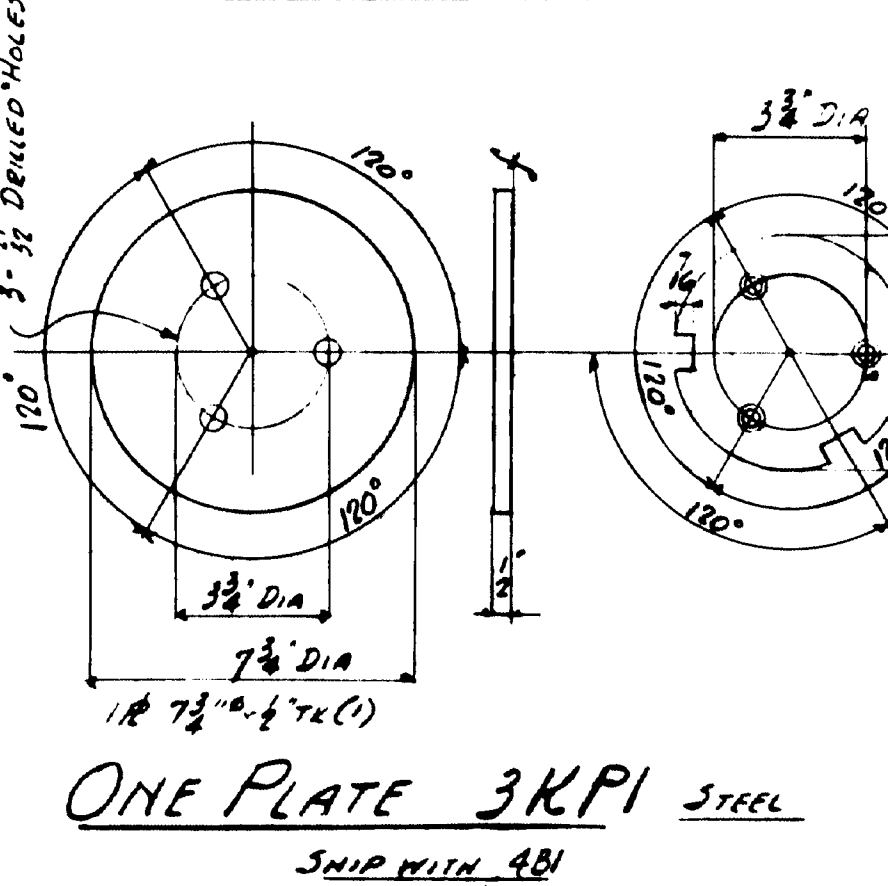
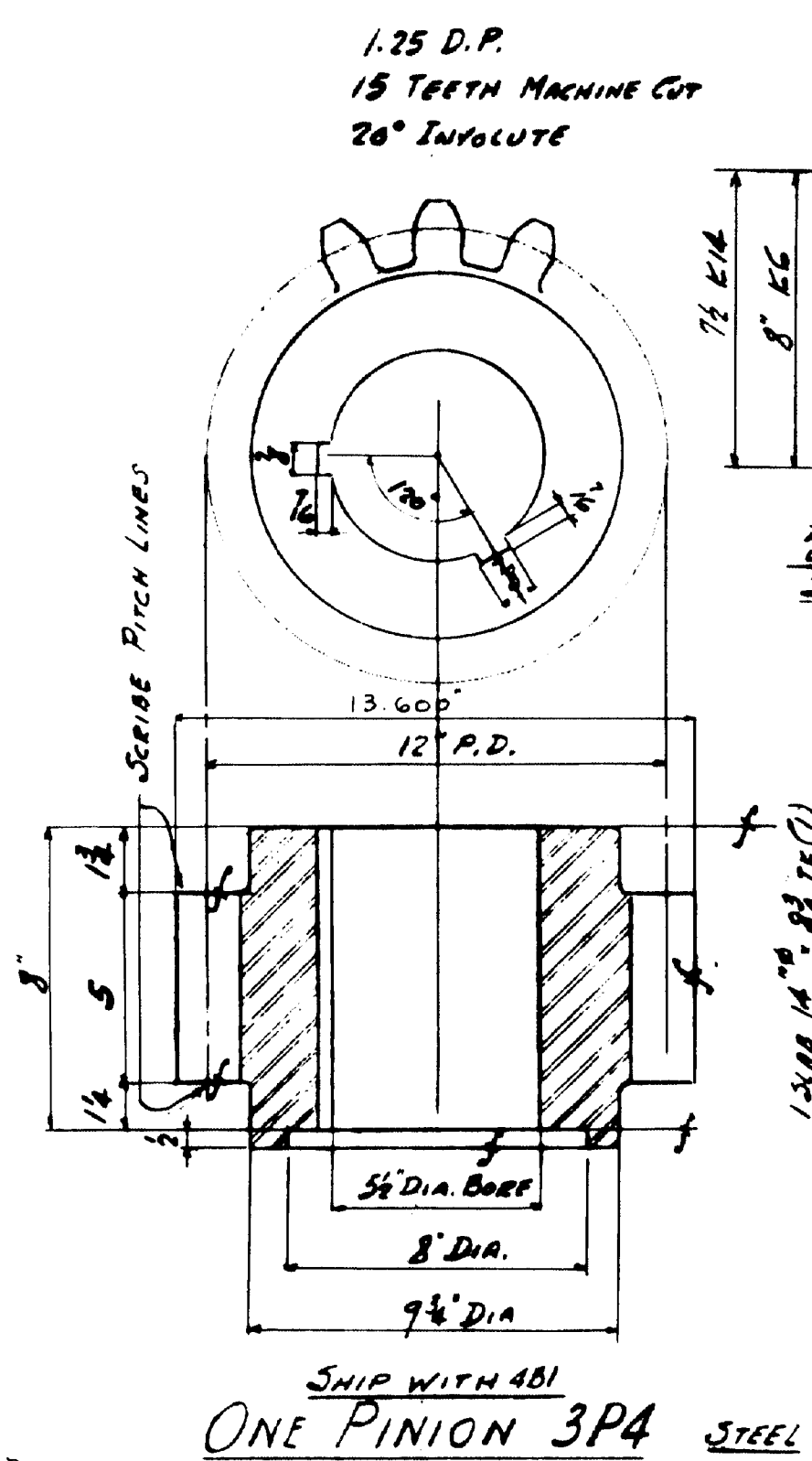
PAINT NOTE

All Finished Rubbing And Bearing Surfaces Of Machinery Parts Shall Be Coated With SV-Sovakote #302 Before Shipment. All Remaining Surfaces Shall Be Given One Shop Coat Red Lead And Oil Per Specifications.

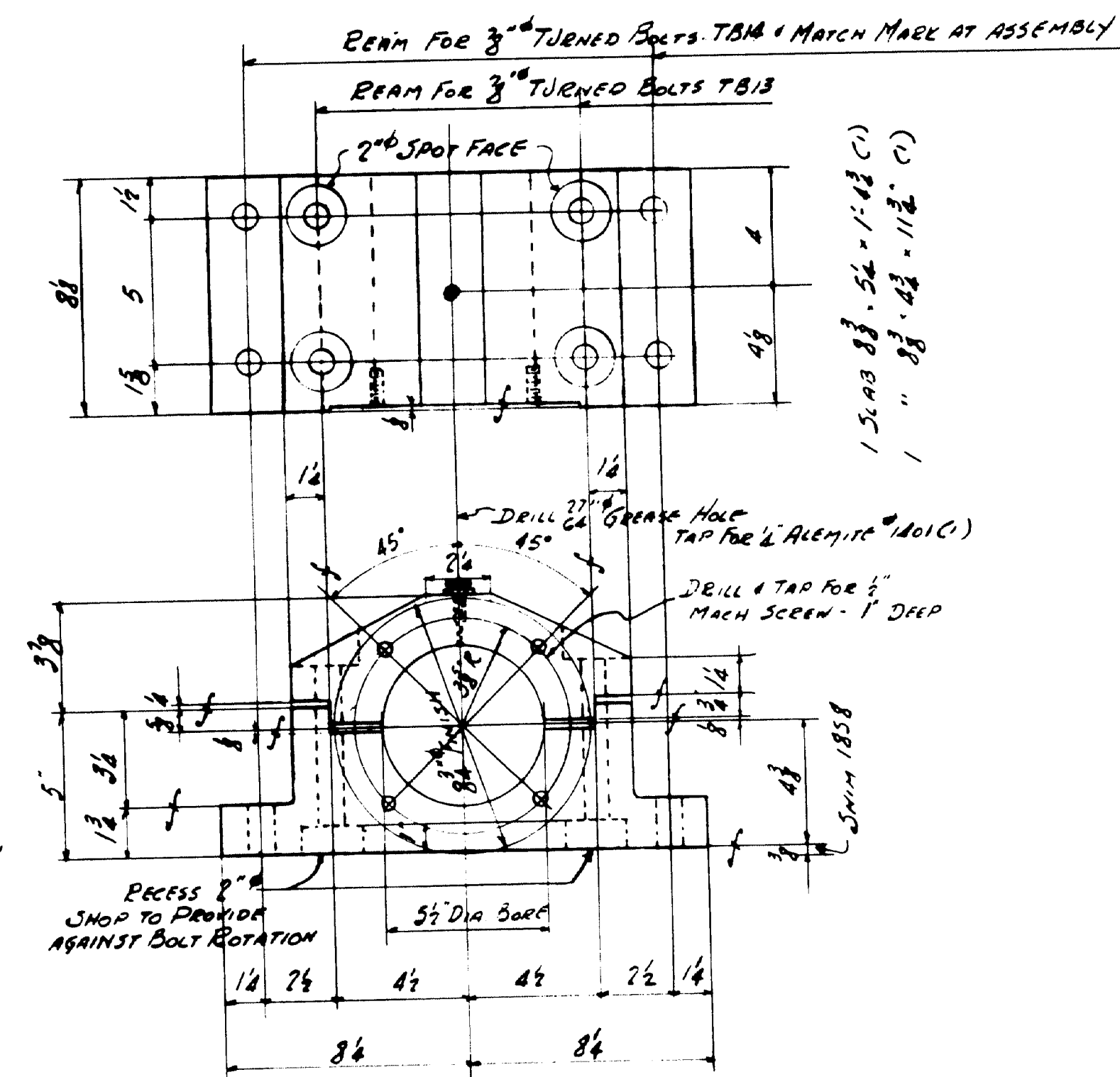
INSPECTION	SHOP RIVETS	WEIGHT
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.		
STRUCTURE: NAPLES BAY BRIDGE FOR: STATE OF MAINE DETAILS OF: RACKS & TRACKS SPECIFICATION: MAINE STEEL HIGHWAY BR. 1945 SHOP PAINT: SEE PAINT NOTE		
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY
E. K. Miller	2.11	A. J. MANNING
NO.	DATE	BY
1		
2		
3		
4		
5		
CONTRACT NO. 5980 SHEET NO. 1		

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

61-122

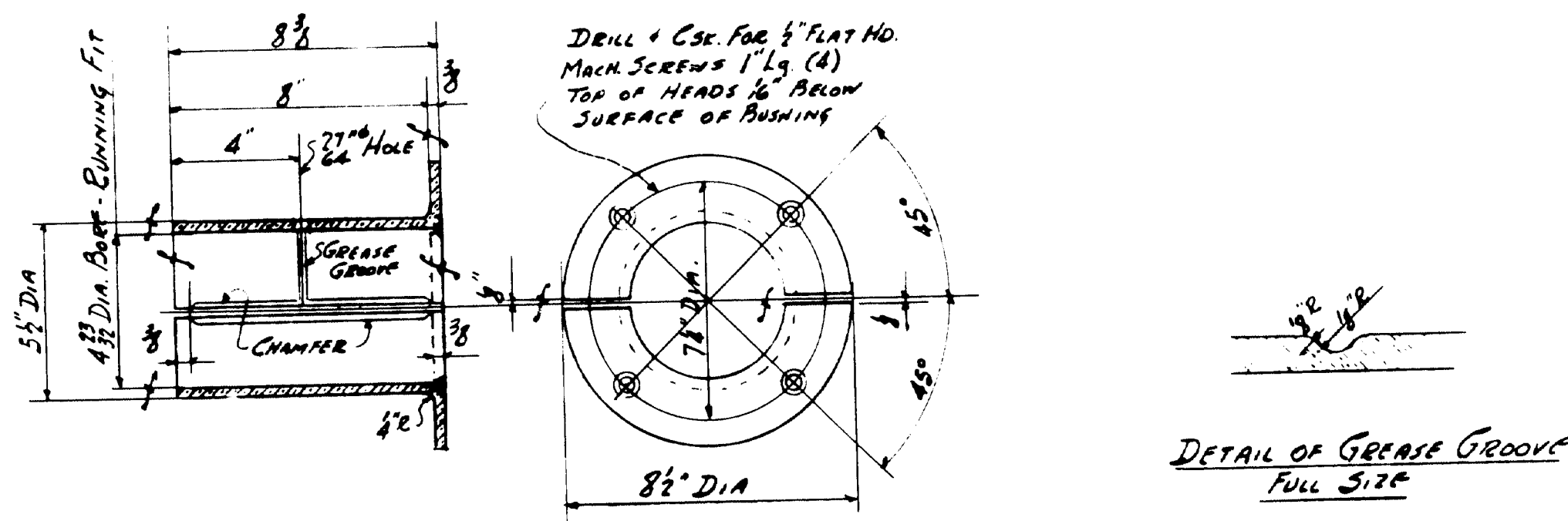


INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES		UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.					
STRUCTURE: NAPLES BAY BRIDGE					
FOR: STATE OF MAINE					
DETAILS OF: MAIN MECHANISM					
SPECIFICATIONS: MAINE STEEL HIGHWAY BR. 1945					
SHOP PAINT: SEE PAINT NOTE SH-1					
FIELD PAINT:					
DATE	CHECKED BY	DATE	SQUAD FOREMAN		
10/1/45	W.B. 2 M.	10/1/45	2 M.		
NO.	DATE	BY	DESCRIPTION		
1					
2					
3					
4					
5					
CONTRACT NO. 5980 SHEET NO. 3					

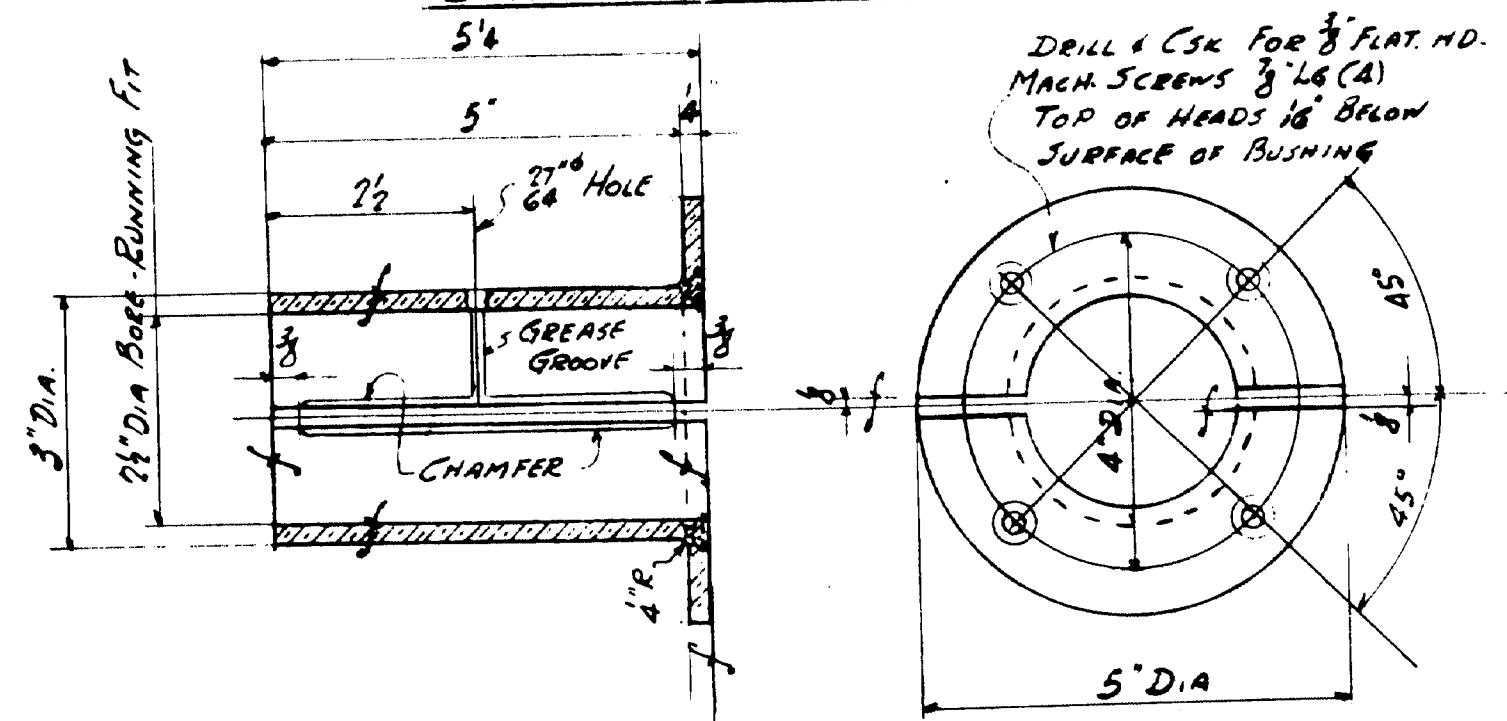


- LIST OF MATERIAL FOR 58145C1
- | | |
|------------------------|--------|
| 1R 14. 8. - 1.84 | (1) p1 |
| 1516b 11" - 4.37K | (1) p2 |
| 1R 8.8 - 1.108 | (1) p3 |
| 1B 1R 12. 3. - 1.2 | (1) p4 |
| 1B 1R 14. 3. - 1.6 AB. | (1) p5 |
| 1516b 5.4 - 3.8 - 104 | (1) p6 |
| 1516b 5.4 - 2.8 - 104 | (1) p7 |

ONE BEARING 5B2 STEEL
ONE CAP 5C2 SHIP WITH 5B2 STEEL

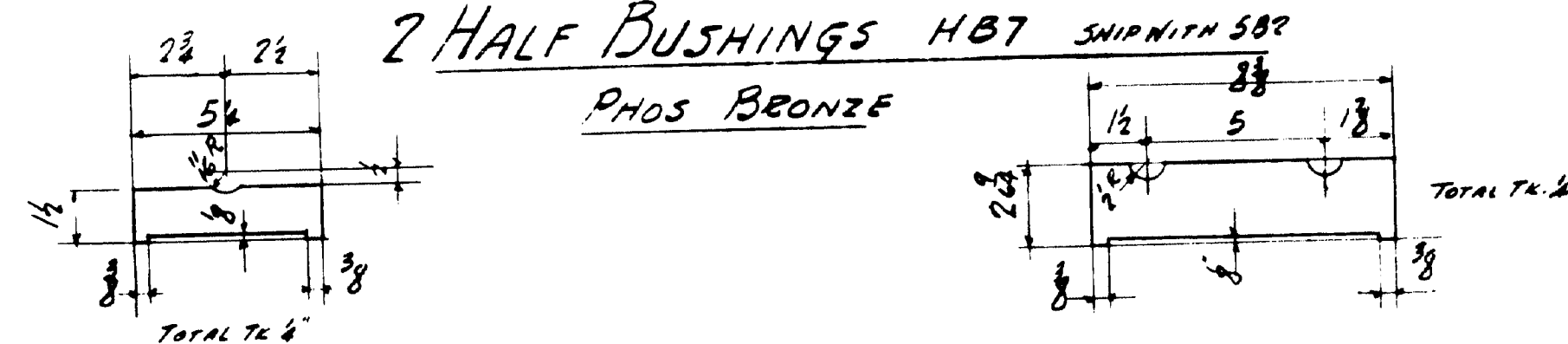


ONE BEARING 5BI STEEL
STRESS RELIEVE BEFORE FINISHING



2 HALF BUSHINGS HB6 SHIP WITH 531
PHOS. BRONZE

2 HALF BUSHINGS HB7 SHIP WITH 502
PHOS BRONZE



2 Shim 1 1/2 .12Ga x 5/8 (4)
2 Shim 1 1/2 .20Ga x 5/8 (4)
1 Laminated Shim 1 1/2 . 1/32 x 5/8 (2)
(10 lb .003)

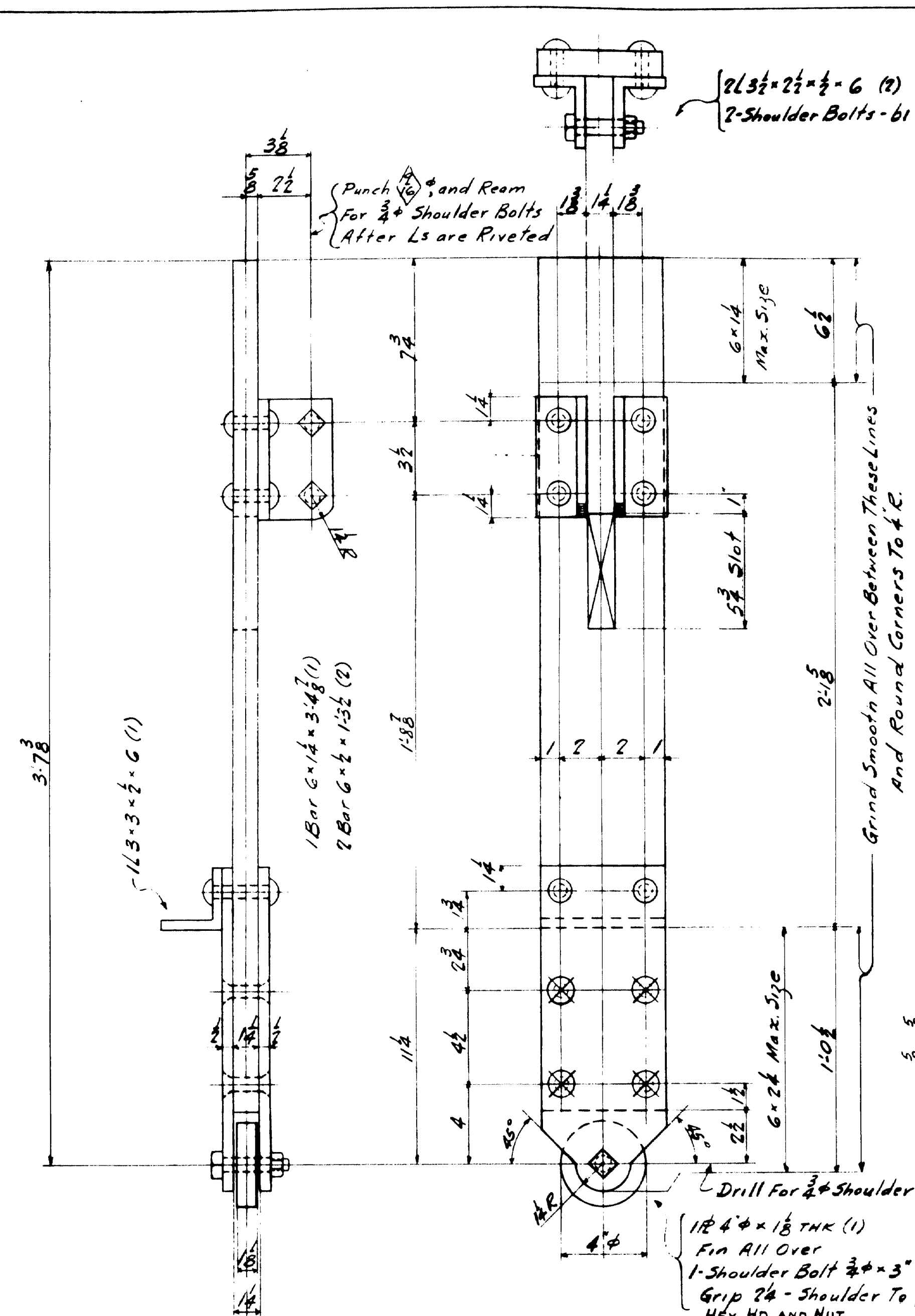
2 SETS SHIMS BSS SHIP WITH SBI
BRASS

2 Shim $2\frac{3}{32} = 126a = 8\frac{1}{2} (4)$
2 Shim $2\frac{3}{32} = 206a = 8\frac{1}{2} (4)$
1 Laminated Shim $2\frac{3}{32} = \frac{3}{32} = 8\frac{1}{2} (2)$
106.003

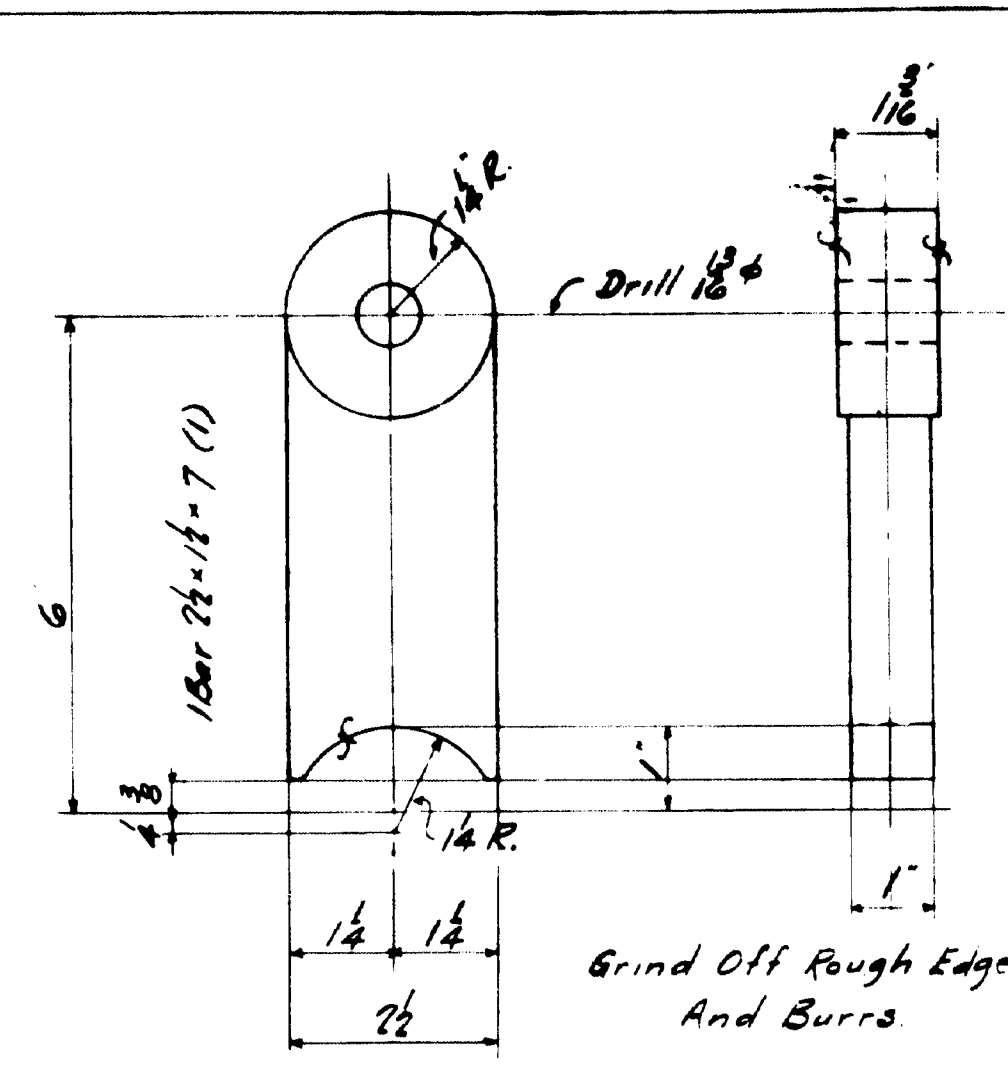
2 SETS SHIMS BSG SHIP WITH 582
BRSS

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

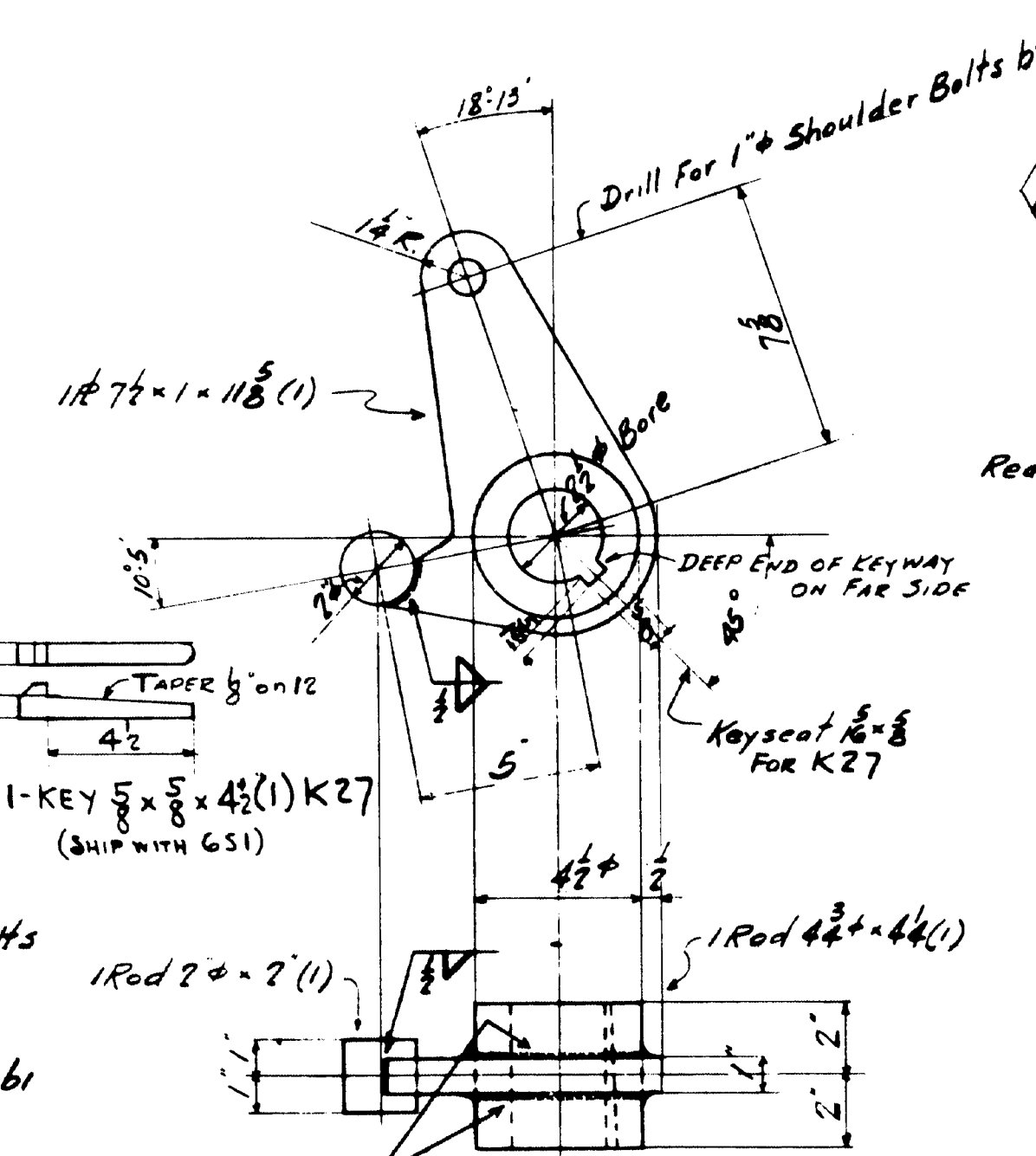
INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES		UNLESS NOTED	
<p>LACKAWANNA STEEL CONSTRUCTION CORP^N BUFFALO, N. Y.</p>					
<p>STRUCTURE: <i>NARVES BAY SWING BRIDGE</i> FOR: <i>STATE OF MAINE</i> DETAILS OF: <i>BEARINGS FOR JOINTS MECHANISM</i> SPECIFICATIONS: <i>MAINE STEEL HIGHWAY BR. 1903</i> SHOP PAINT: <i>SEE PRINT NOTE - SMT #1</i></p>					
DRAWN BY		DATE		CHECKED BY	
<i>EMILIE</i>		<i>12/16/27</i>		<i>W. A. M.</i>	
NO.		DATE		BY	
1					
2					
3					
4					
5					
REVISIONS		DESCRIPTION			
<p>CONTRACT NO. <i>5980</i> SHEET NO. <i>5</i></p>					



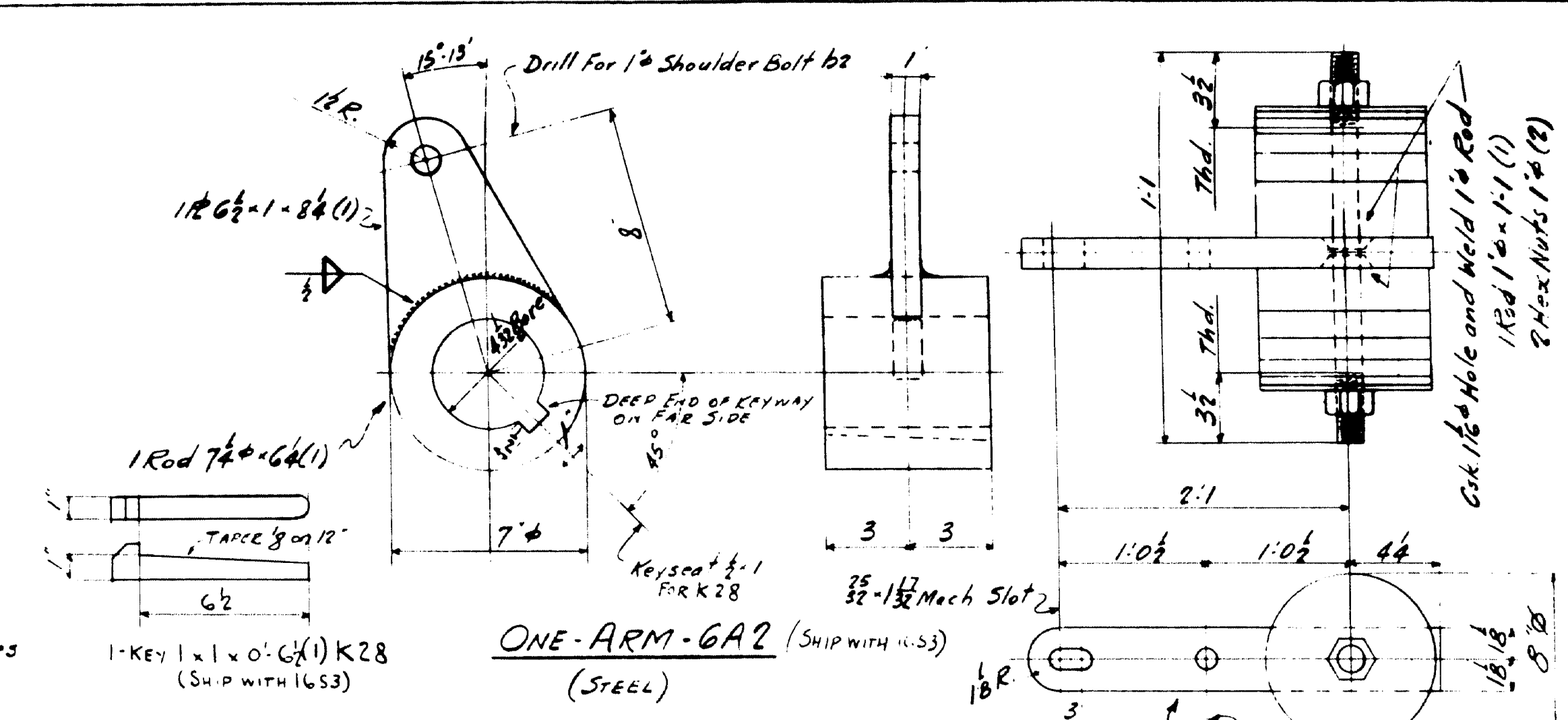
ONE-LATCH BAR-6L1
(STEEL)



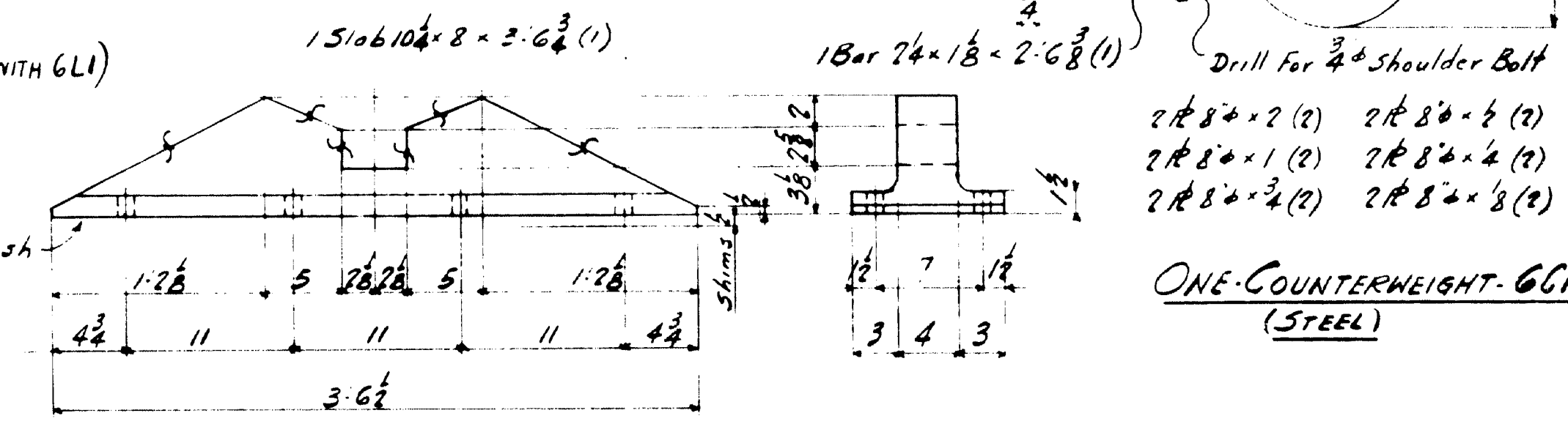
ONE-LATCH LIFT BAR-6L2 (SHIP WITH 6L1)
(STEEL)



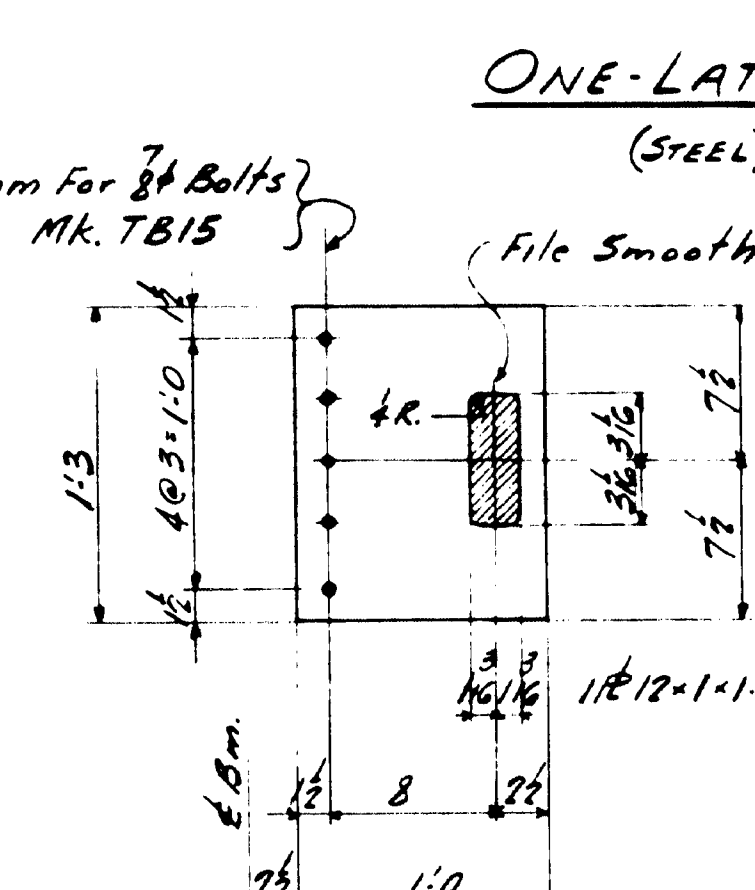
ONE-ARM-6A1 (SHIP WITH 6S1)
(STEEL)



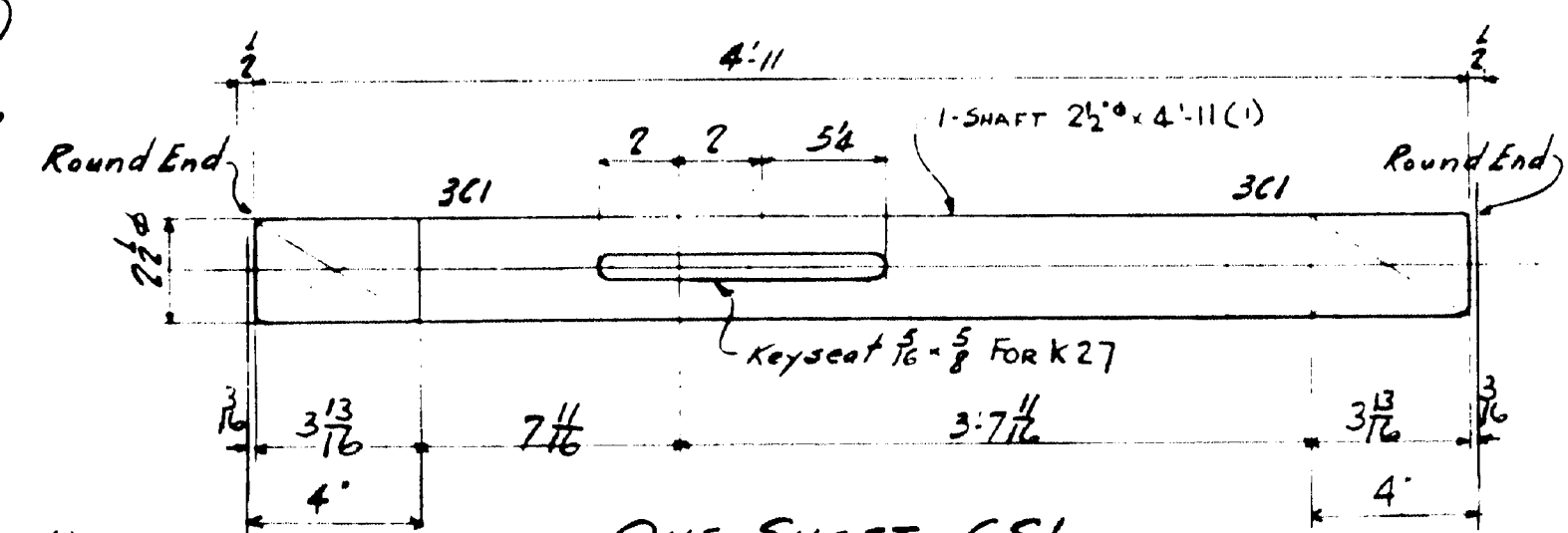
ONE-ARM-6A2 (SHIP WITH 6S3)
(STEEL)



ONE-COUNTERWEIGHT-6C1
(STEEL)

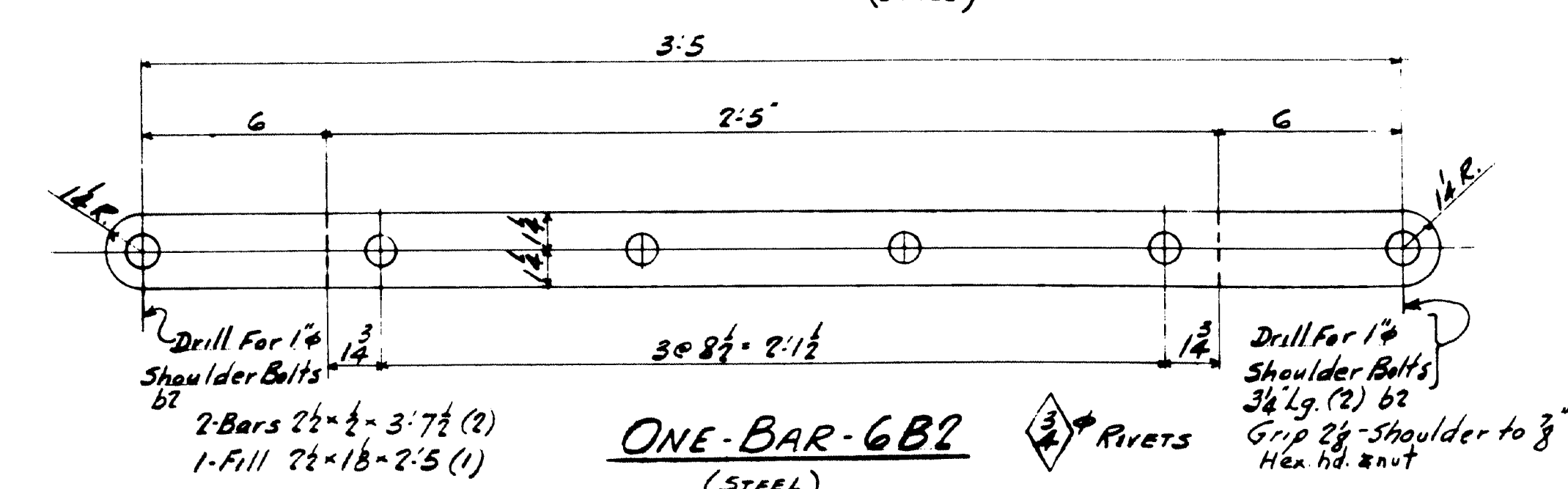


ONE-LATCH-6L3
(STEEL)



ONE-SHAFT-6S1
(STEEL)

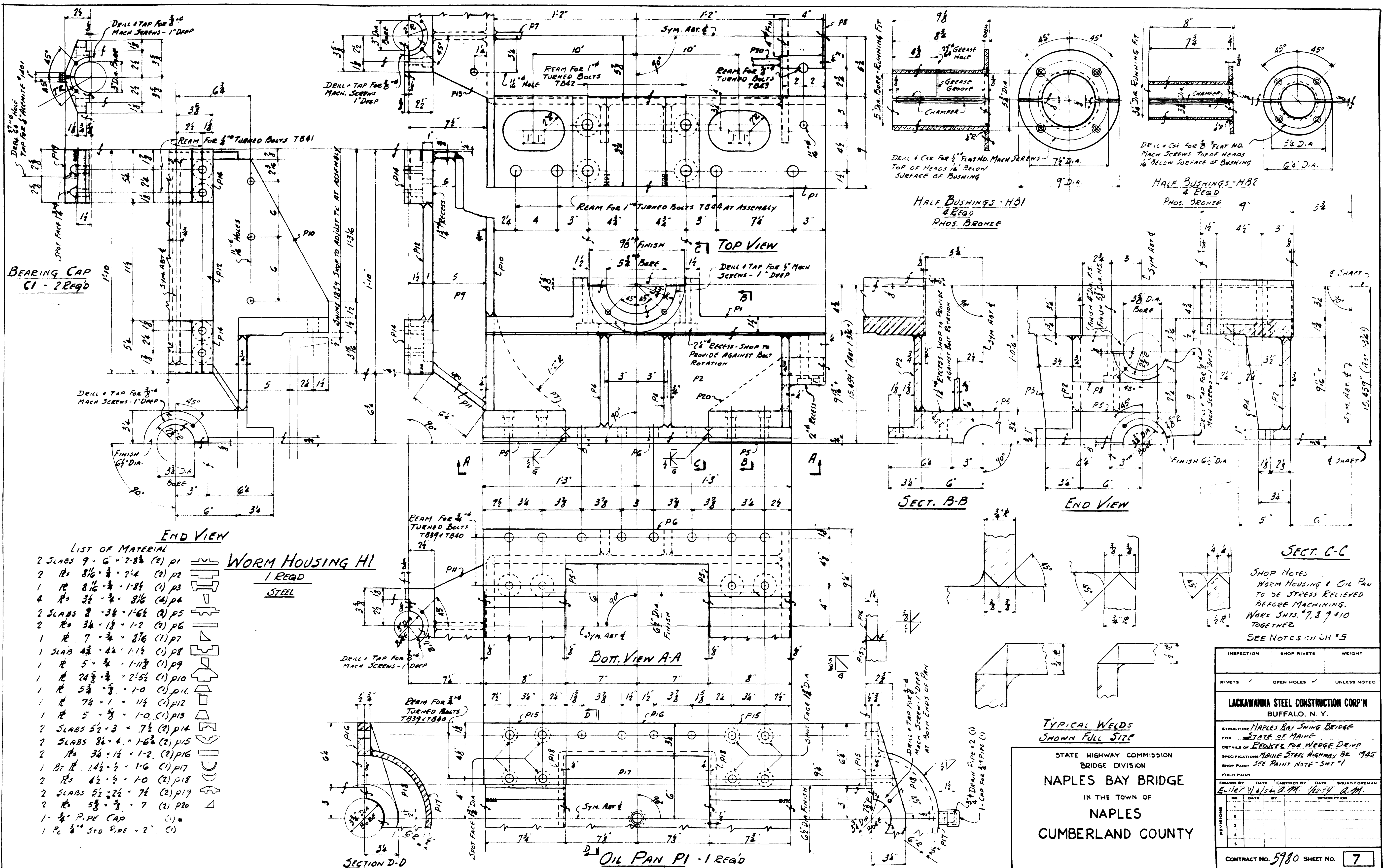
ONE-GUIDE PLATE-6P1
(STEEL)

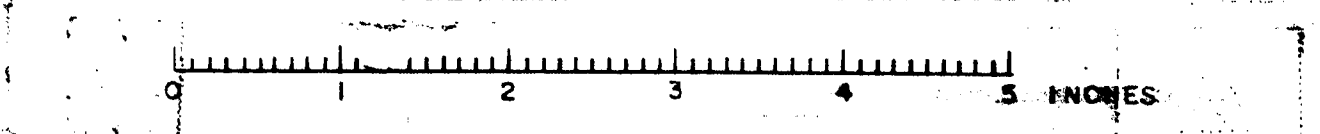


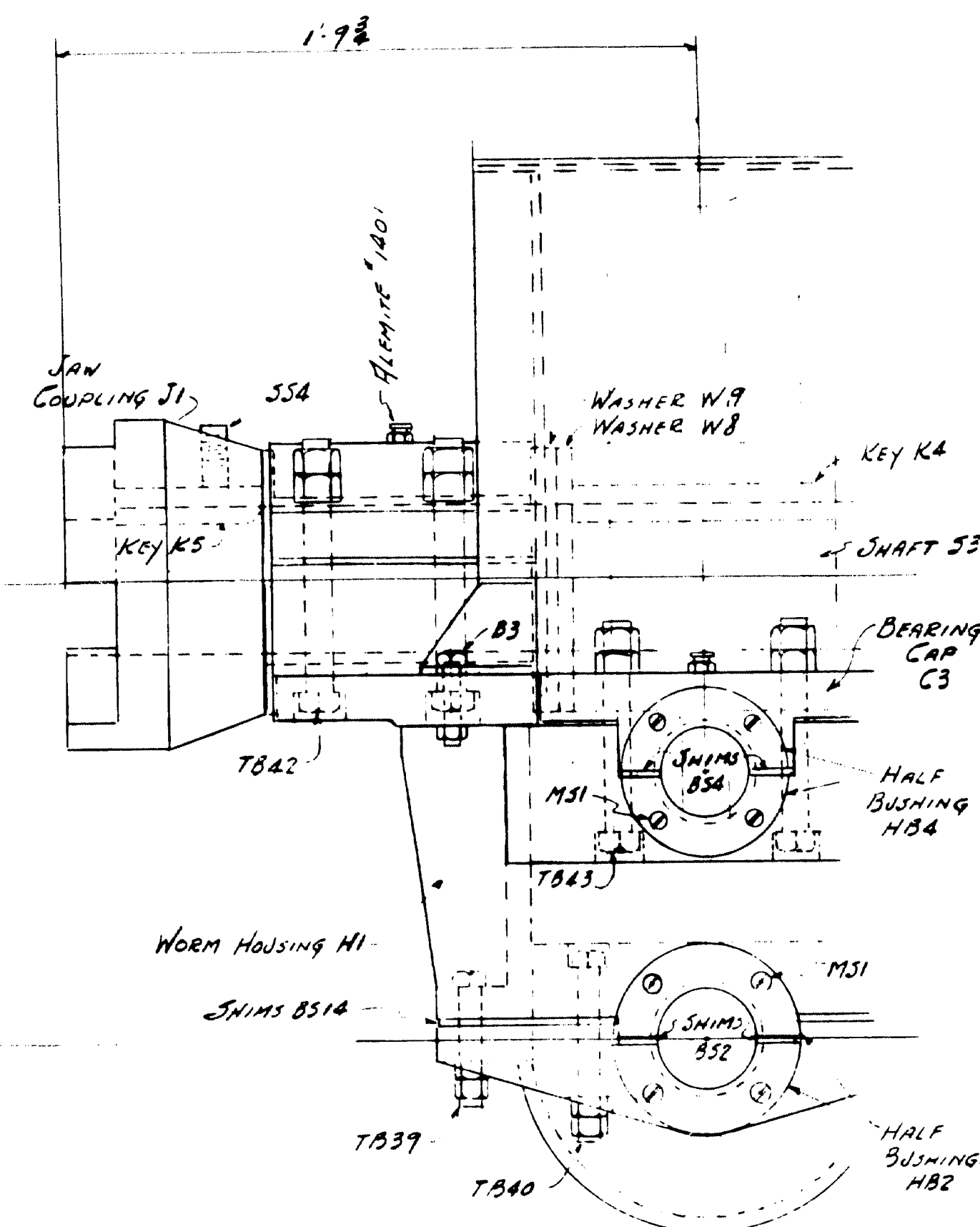
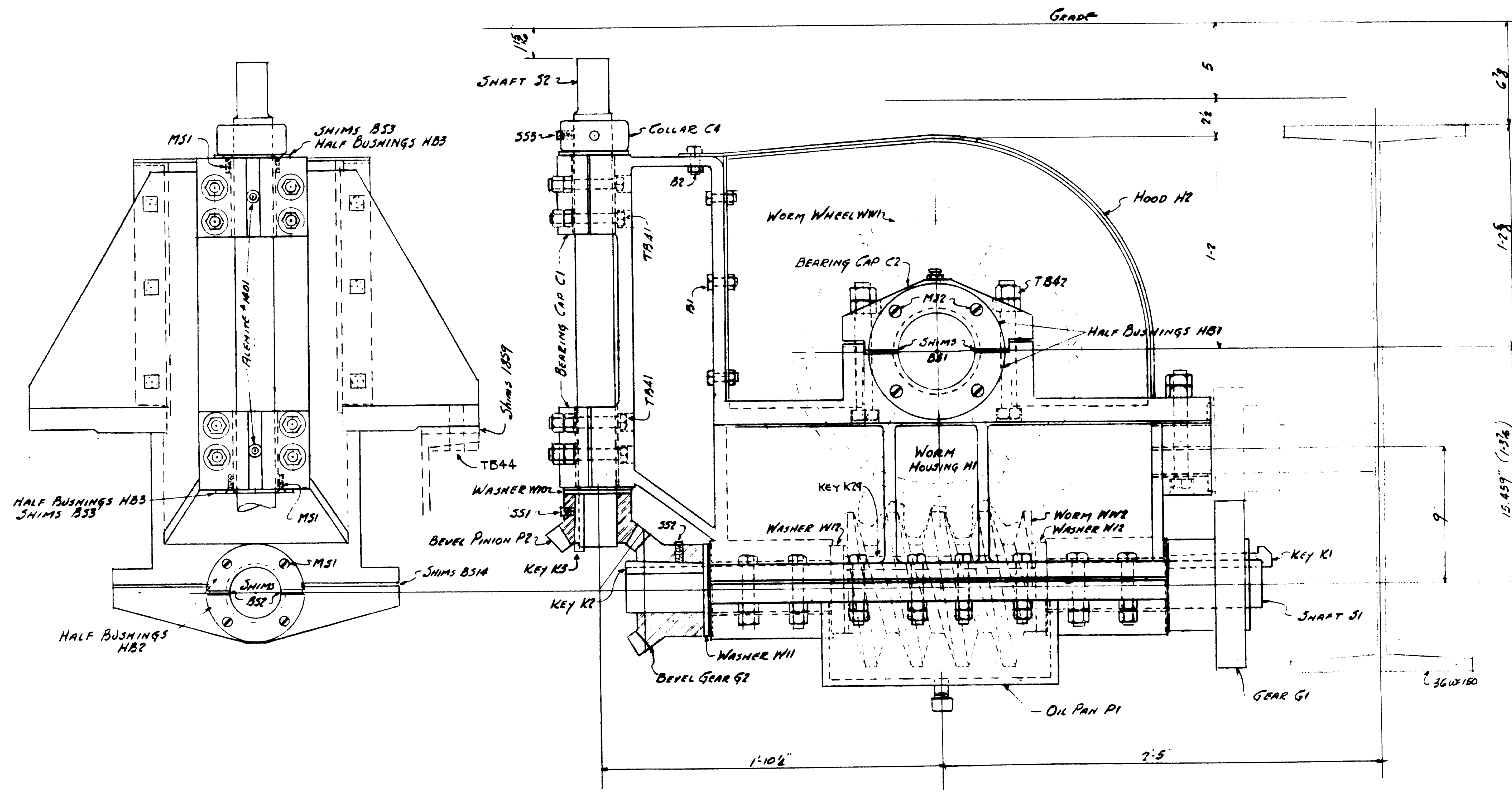
ONE-BAR-6B2
(STEEL)

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		✓ OPEN HOLES		✓ UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.					
STRUCTURE NAPLES BAY SWING BRIDGE FOR STATE OF MAINE					
DETAILS OF LATCH					
SPECIFICATIONS MAINE STEEL HIGHWAY BR 196					
SHOP PAINT SEE PAINT NOTE SH-1					
FIELD PAINT					
DRAWN BY		DATE		CHECKED BY	
E. KAM		2.11.54		A. M.	
DATE		BY		SQUAD FOREMAN	
NO.		DATE		DESCRIPTION	
1					
2					
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4					
5					
CONTRACT NO. 5980 SHEET NO. 6					







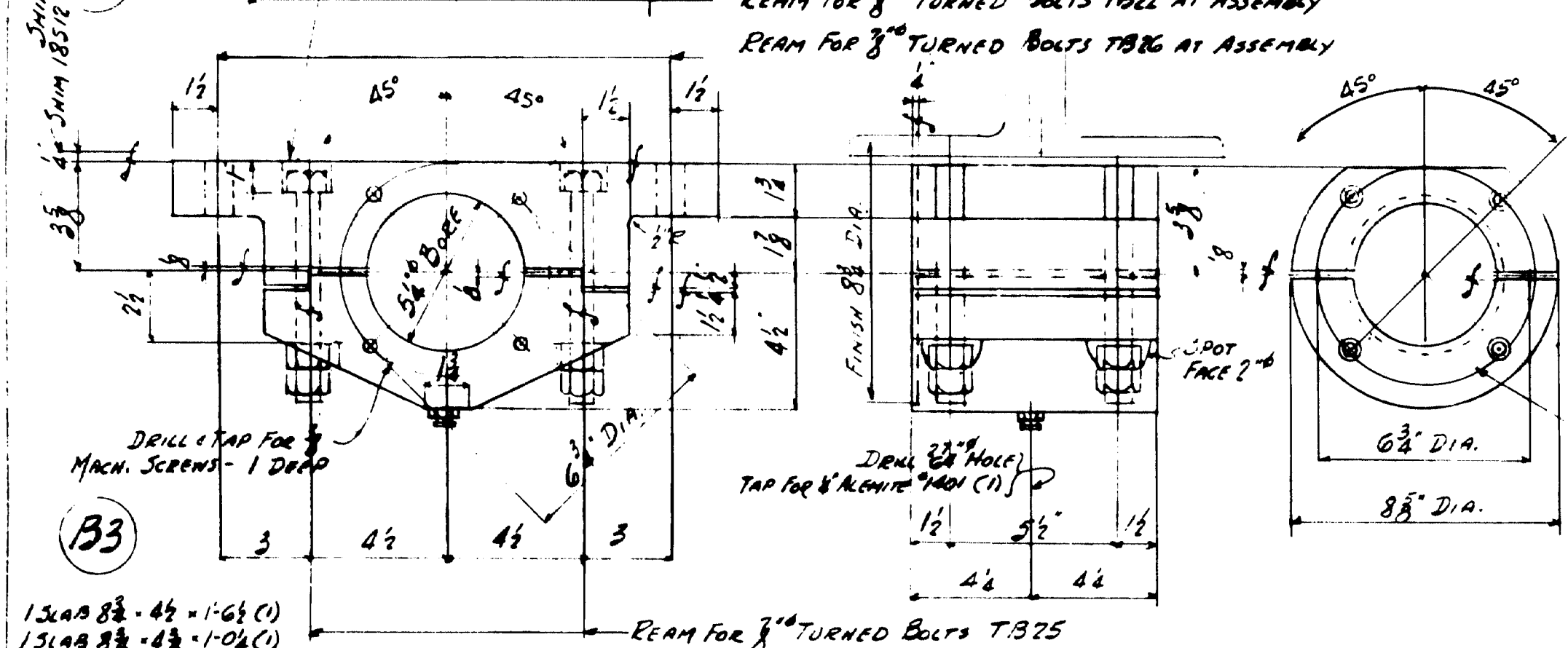
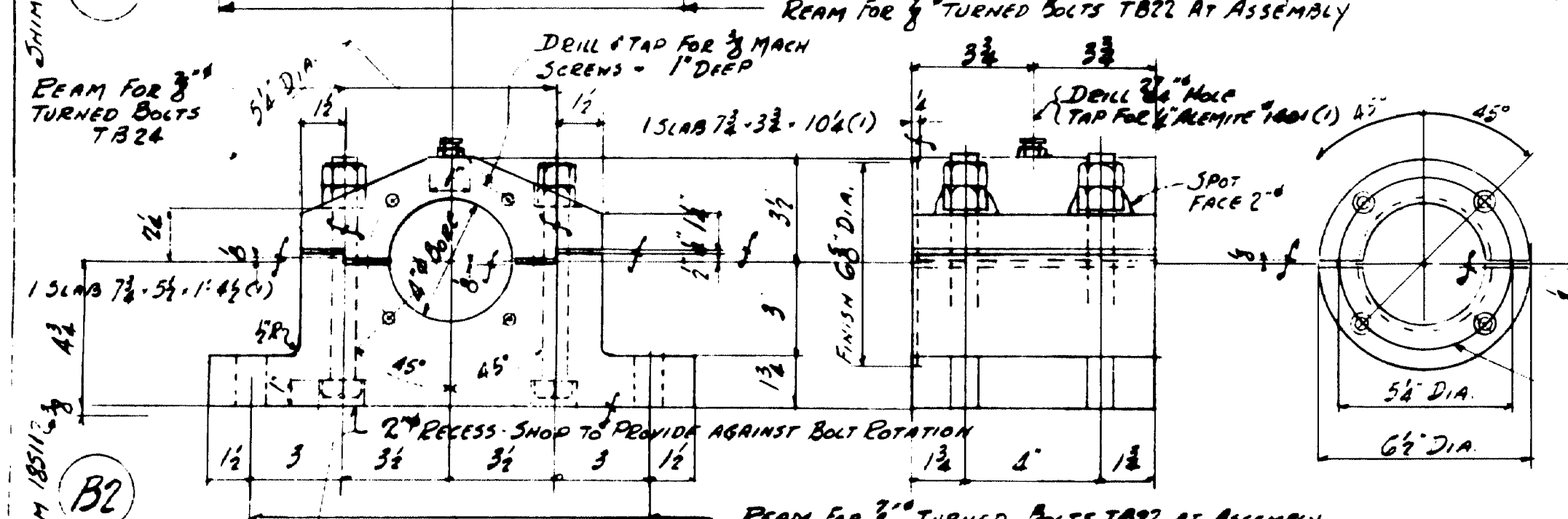
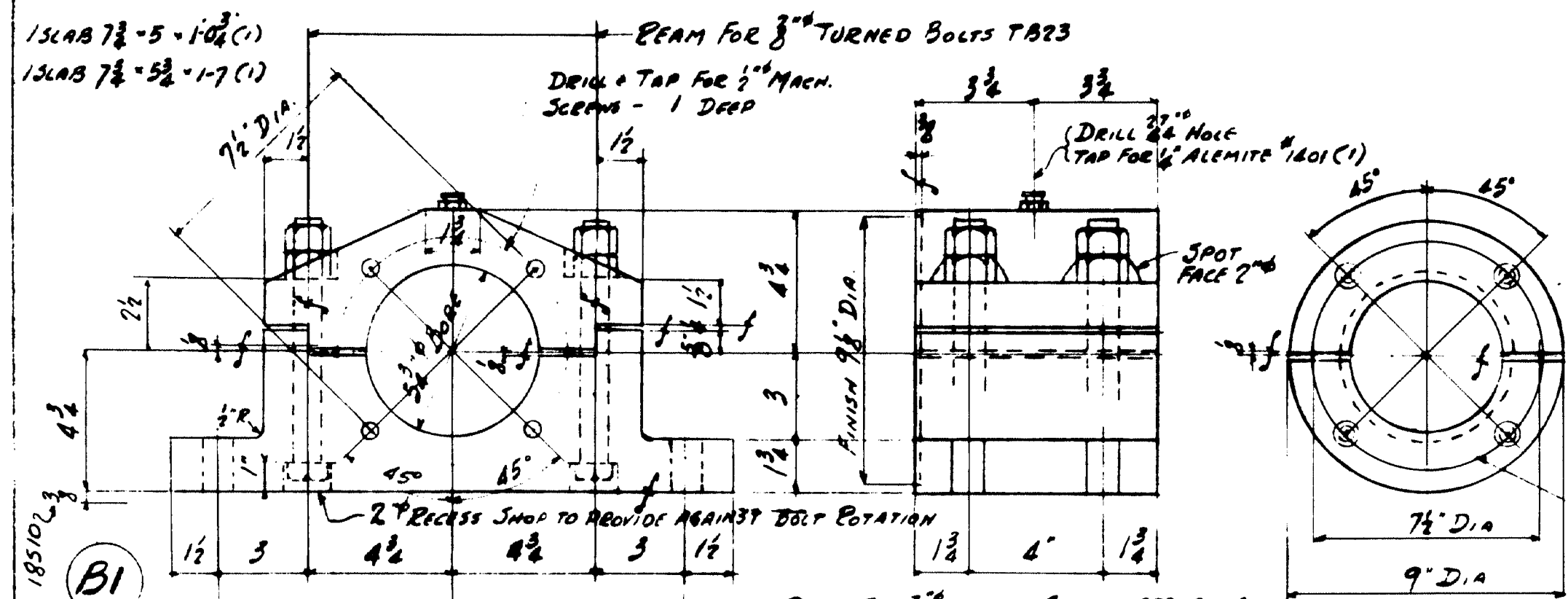
ONE REDUCER 10R1
ASSEMBLY COMPLETE

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

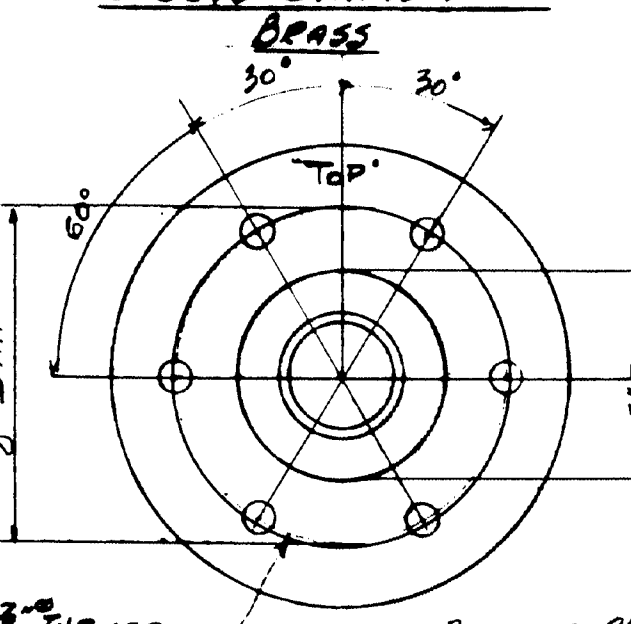
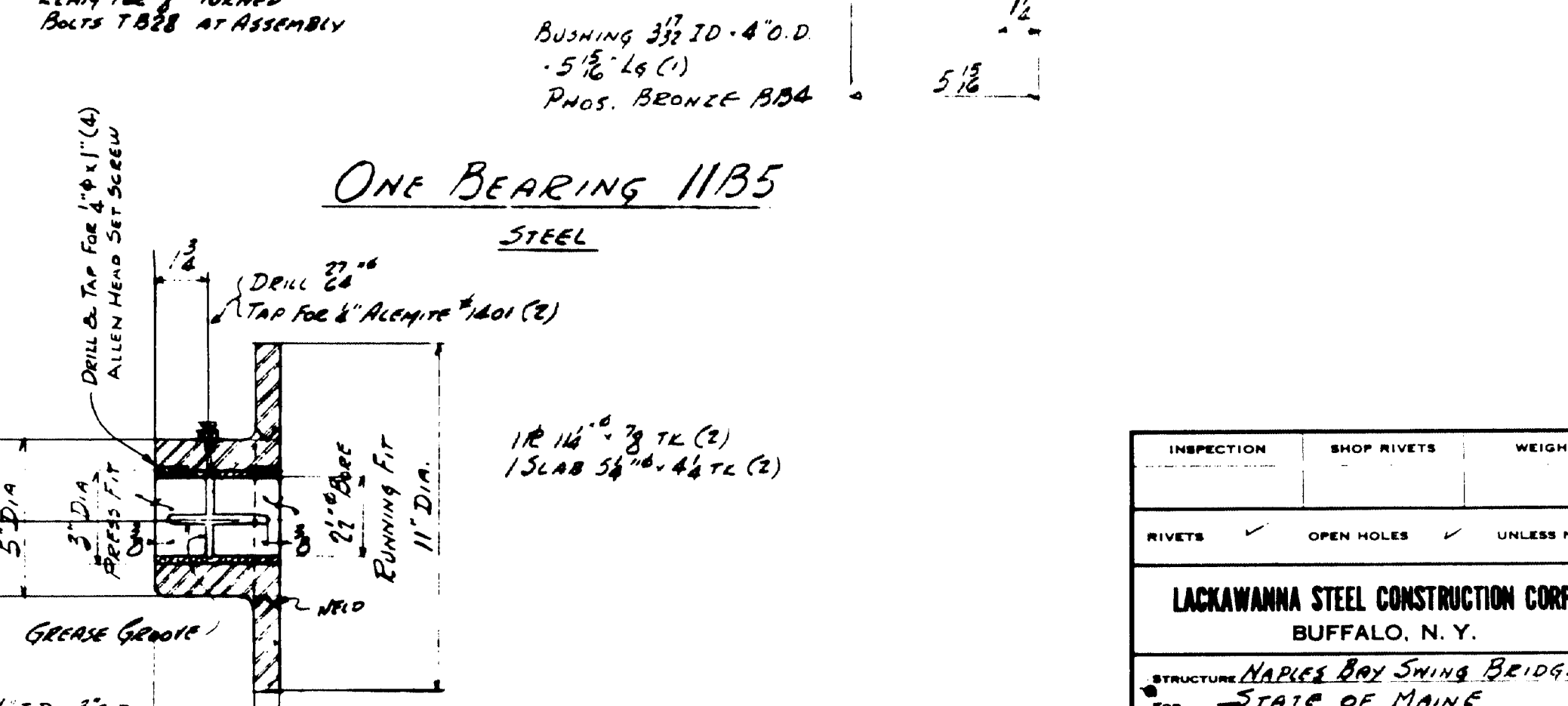
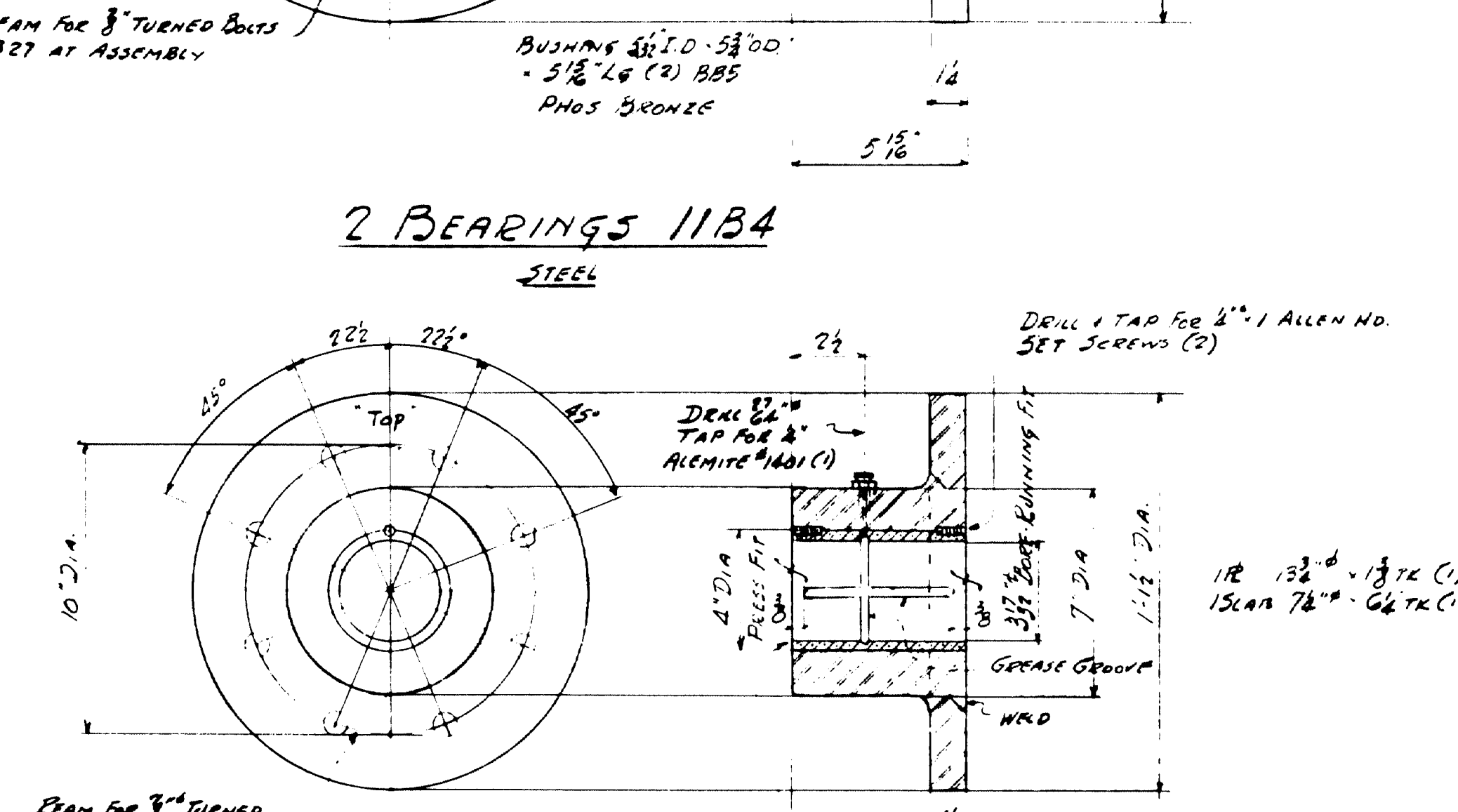
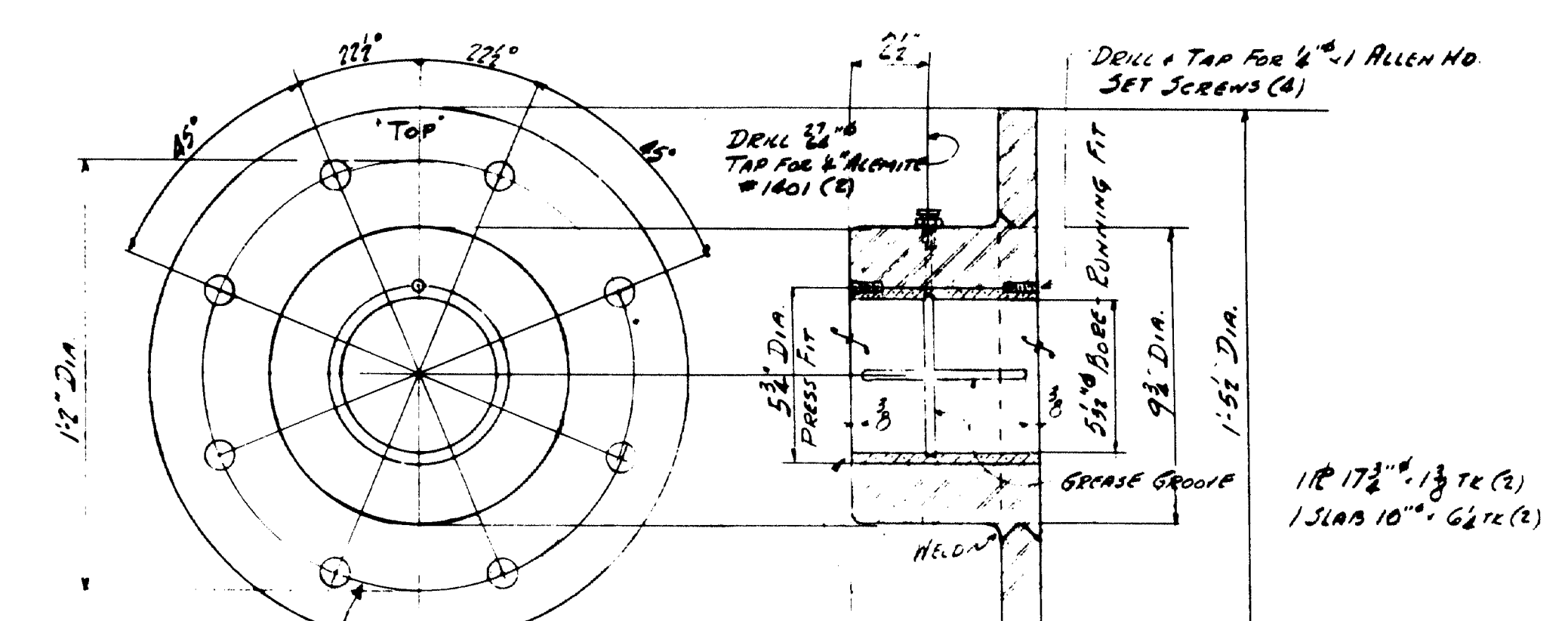
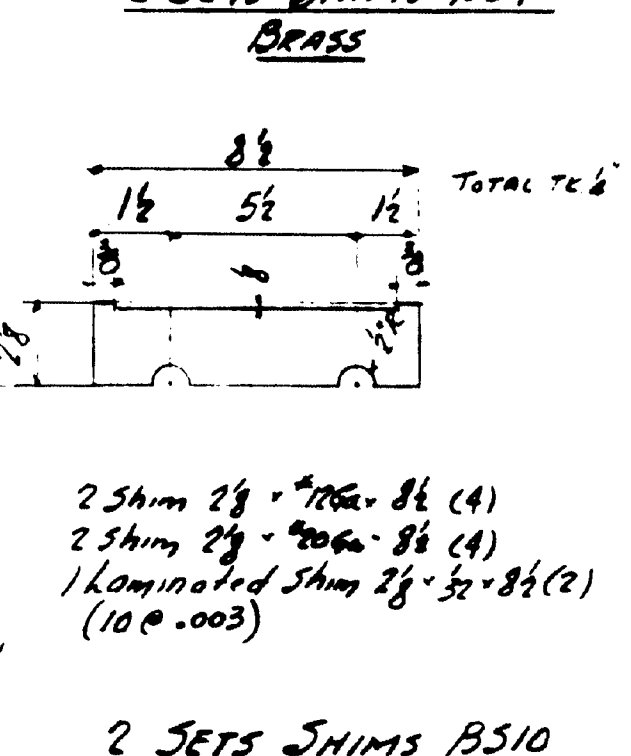
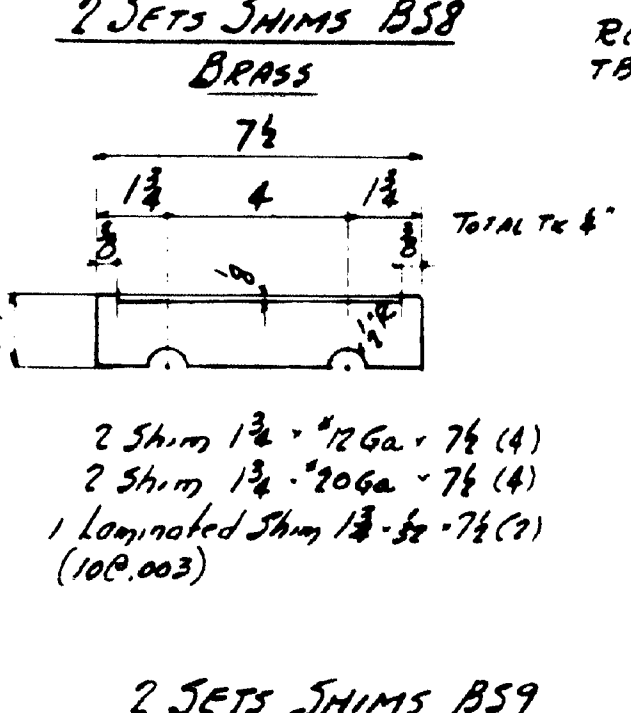
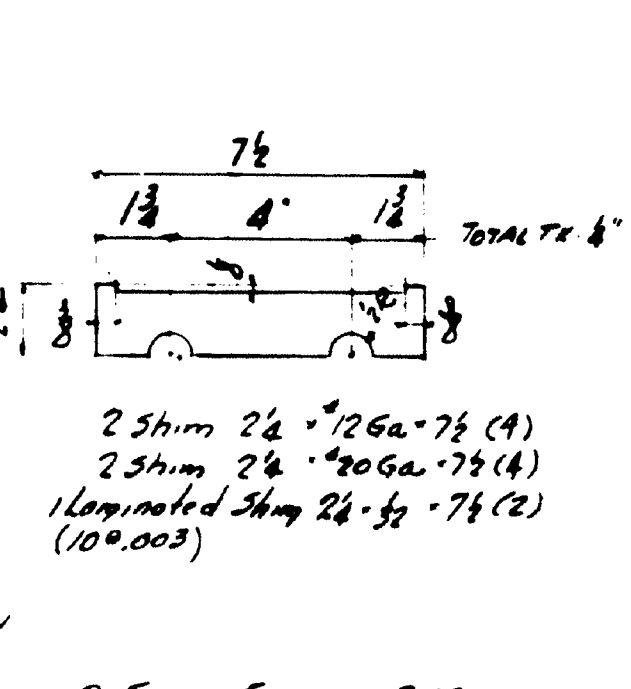
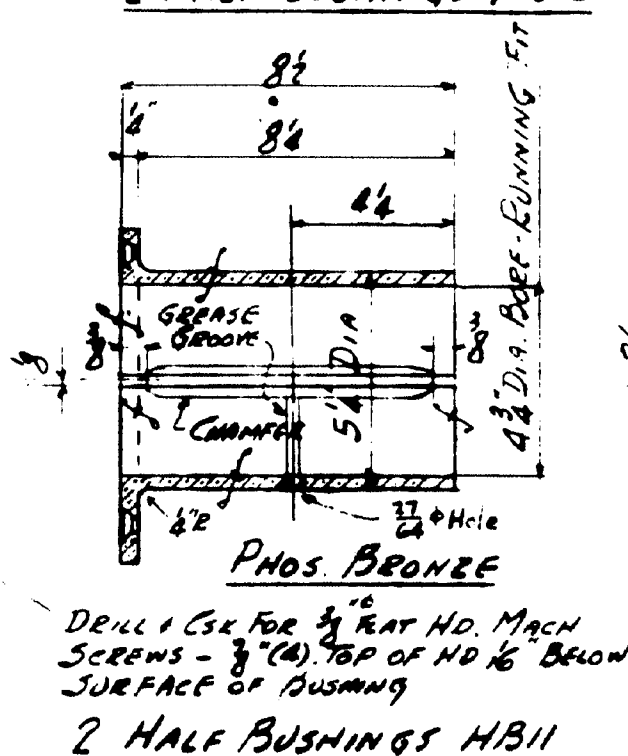
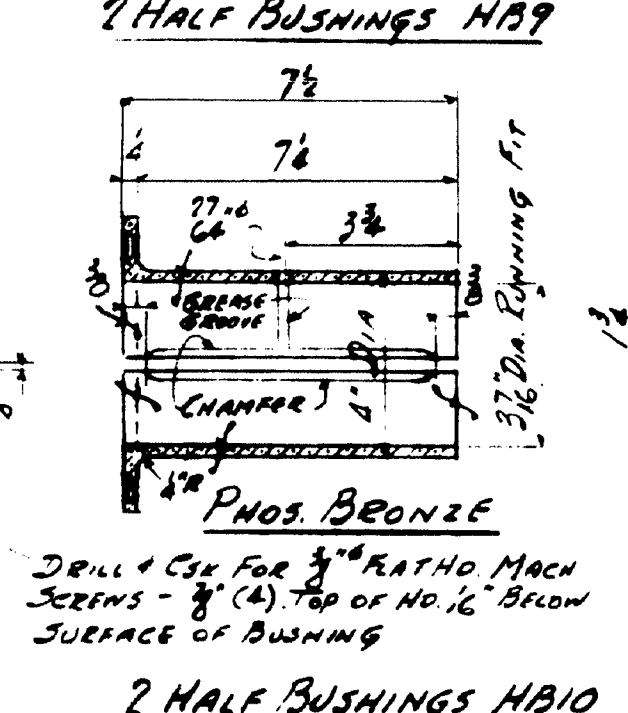
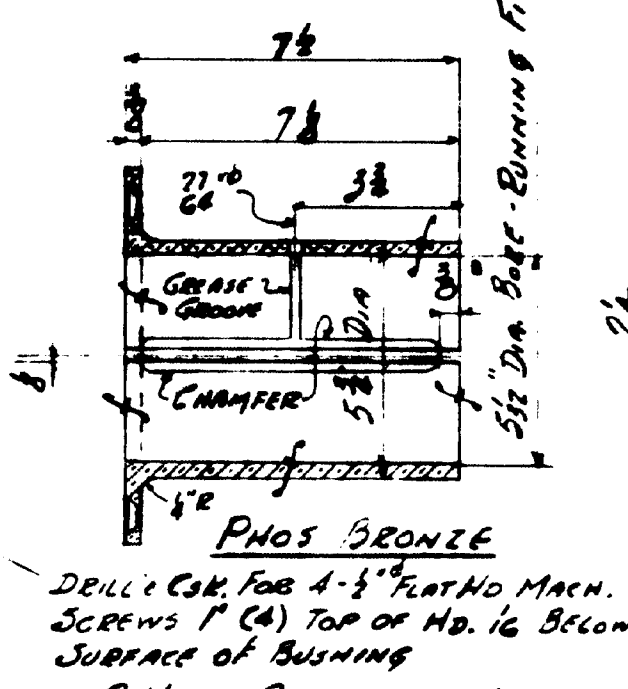
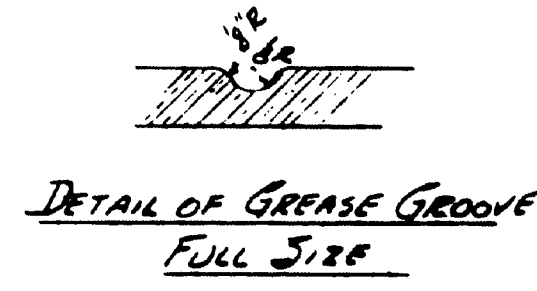
WORK SHOTS 7, 8, 9 & 10 TOGETHER

INSPECTION	SHOP RIVETS	WEIGHT
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.		
STRUCTURE NAPLES BAY BRIDGE		
FOR STATE OF MAINE		
DETAILS OF REDUCER FOR WEDGE DRIVE		
SPECIFICATIONS MAINE STEEL HIGHWAY BRIDGE		
SHOP PAINT SEE PRINT NOTE - SHT 1		
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY
Fuller	10-14	R.M.
NO.	DATE	BY
1		
2		
3		
4		
5		
CONTRACT NO. 5980 SHEET NO. 10		

61-131



ONE BEARING 11B1	ASSEMBLY COMPLETE	STEEL
ONE DO 11B2	"	STEEL
ONE DO 11B3	"	STEEL



1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

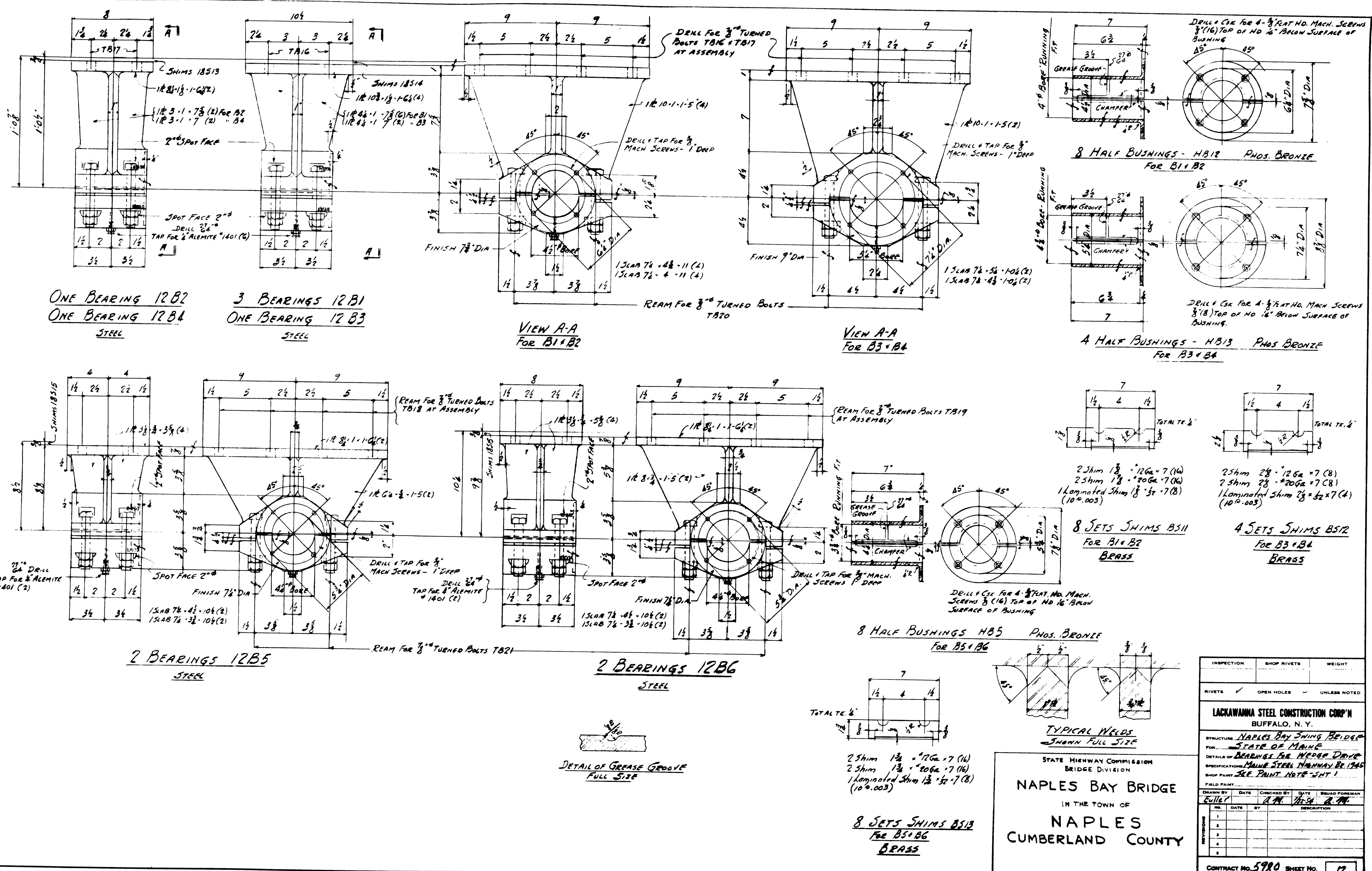
1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

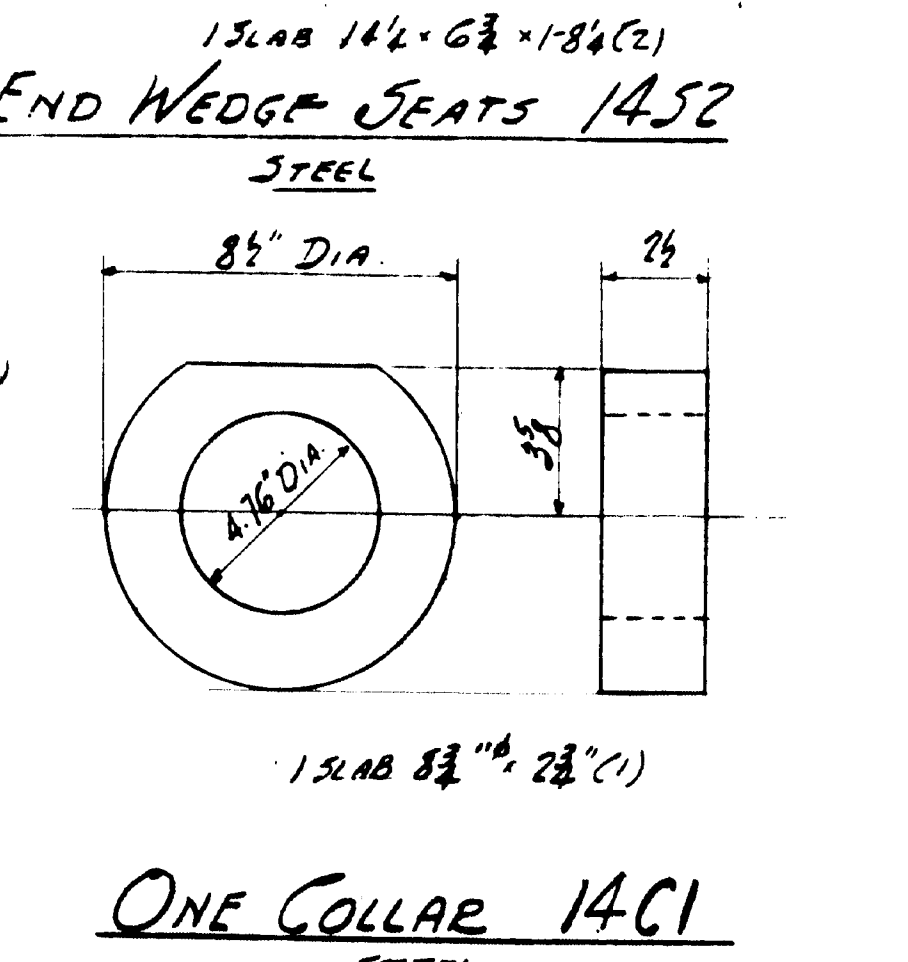
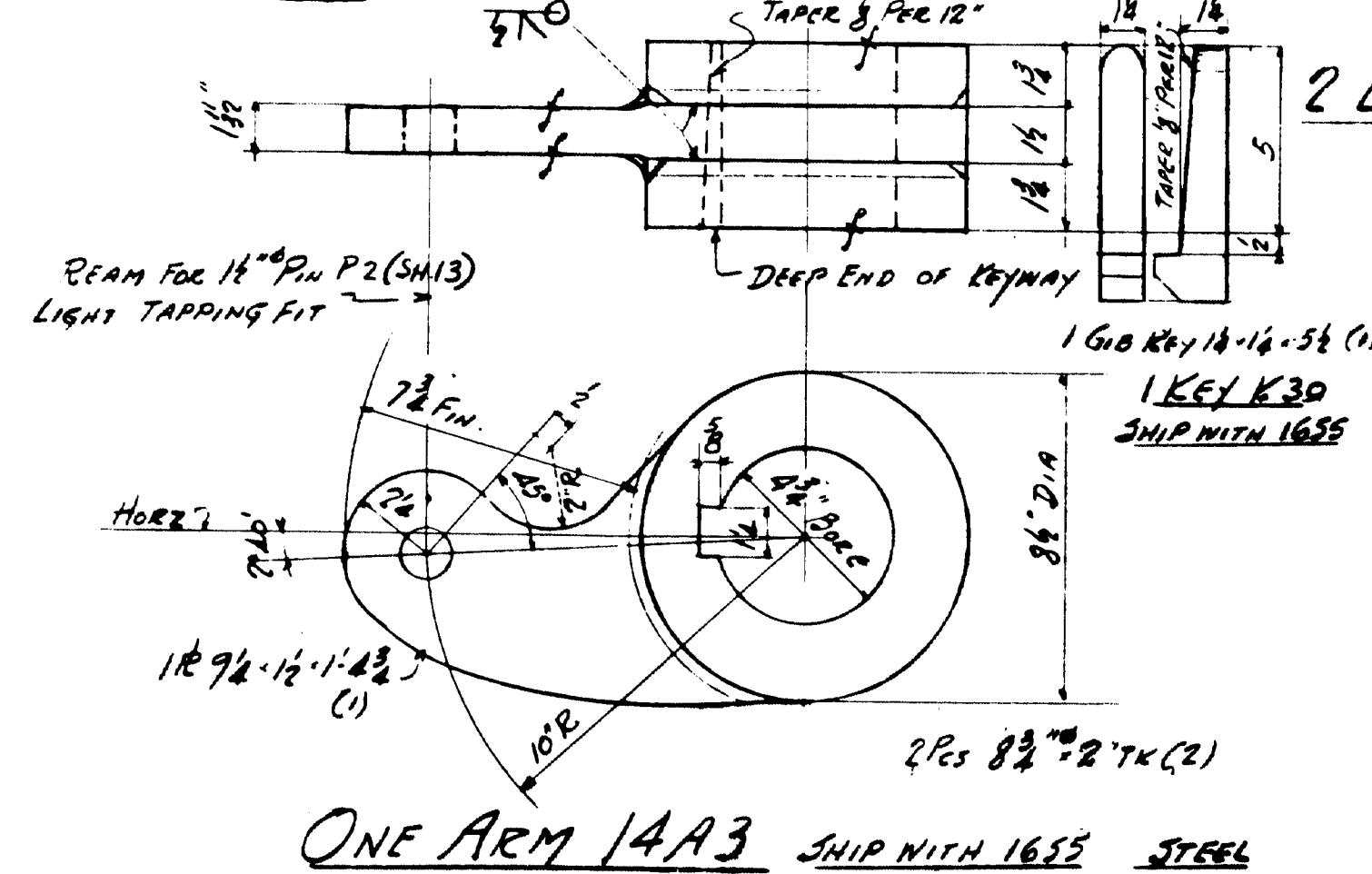
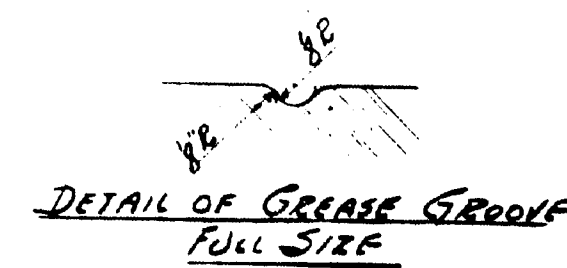
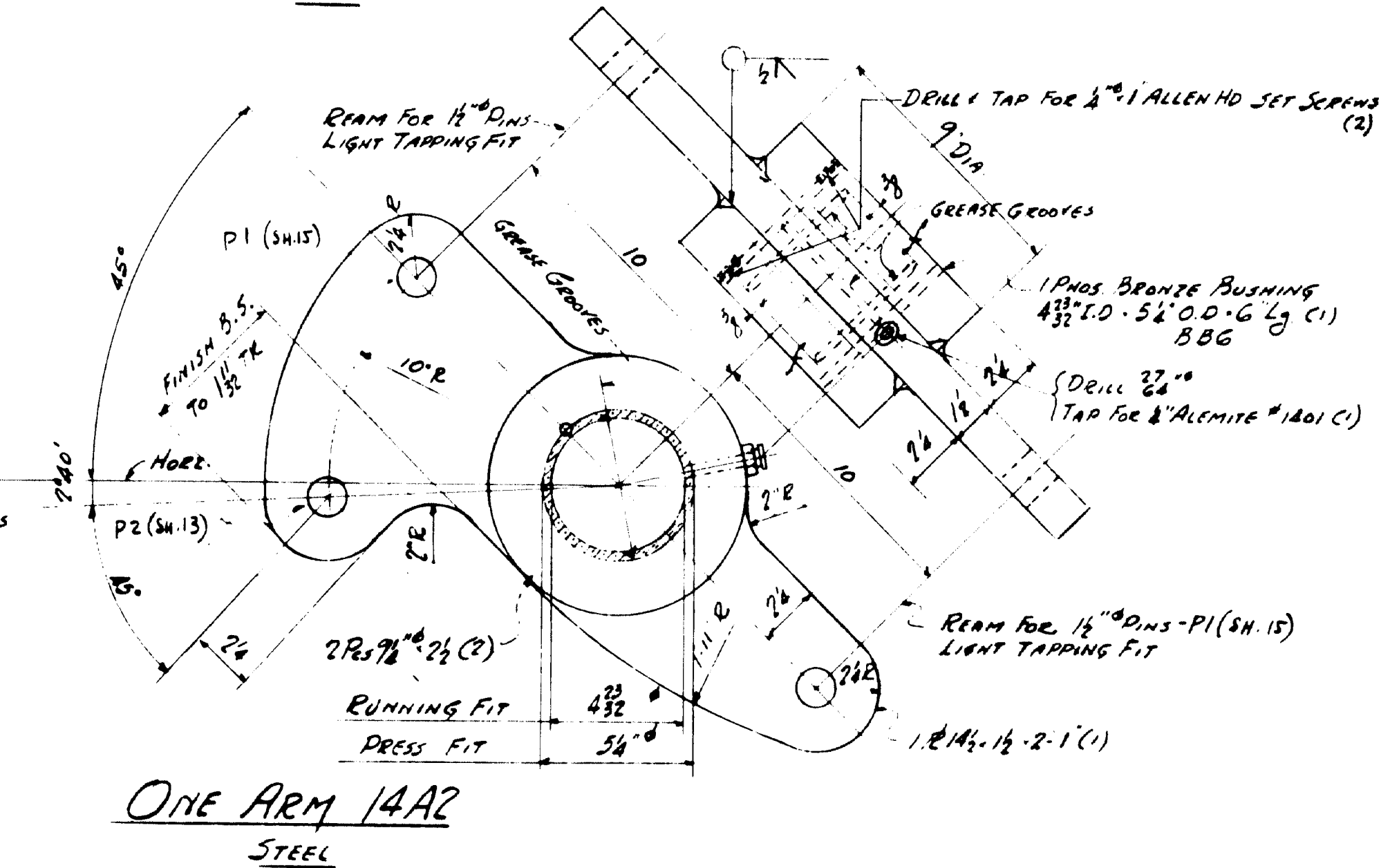
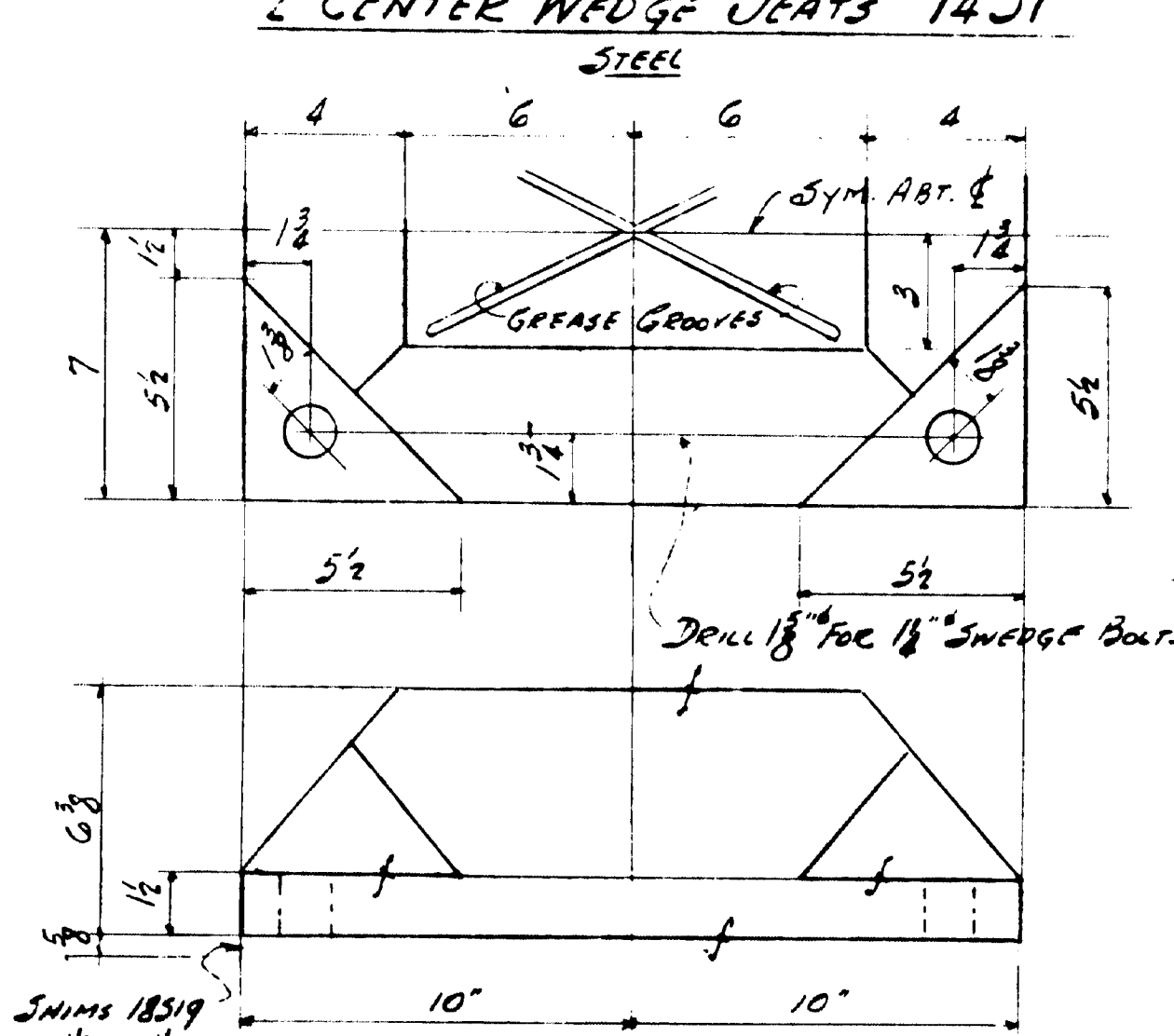
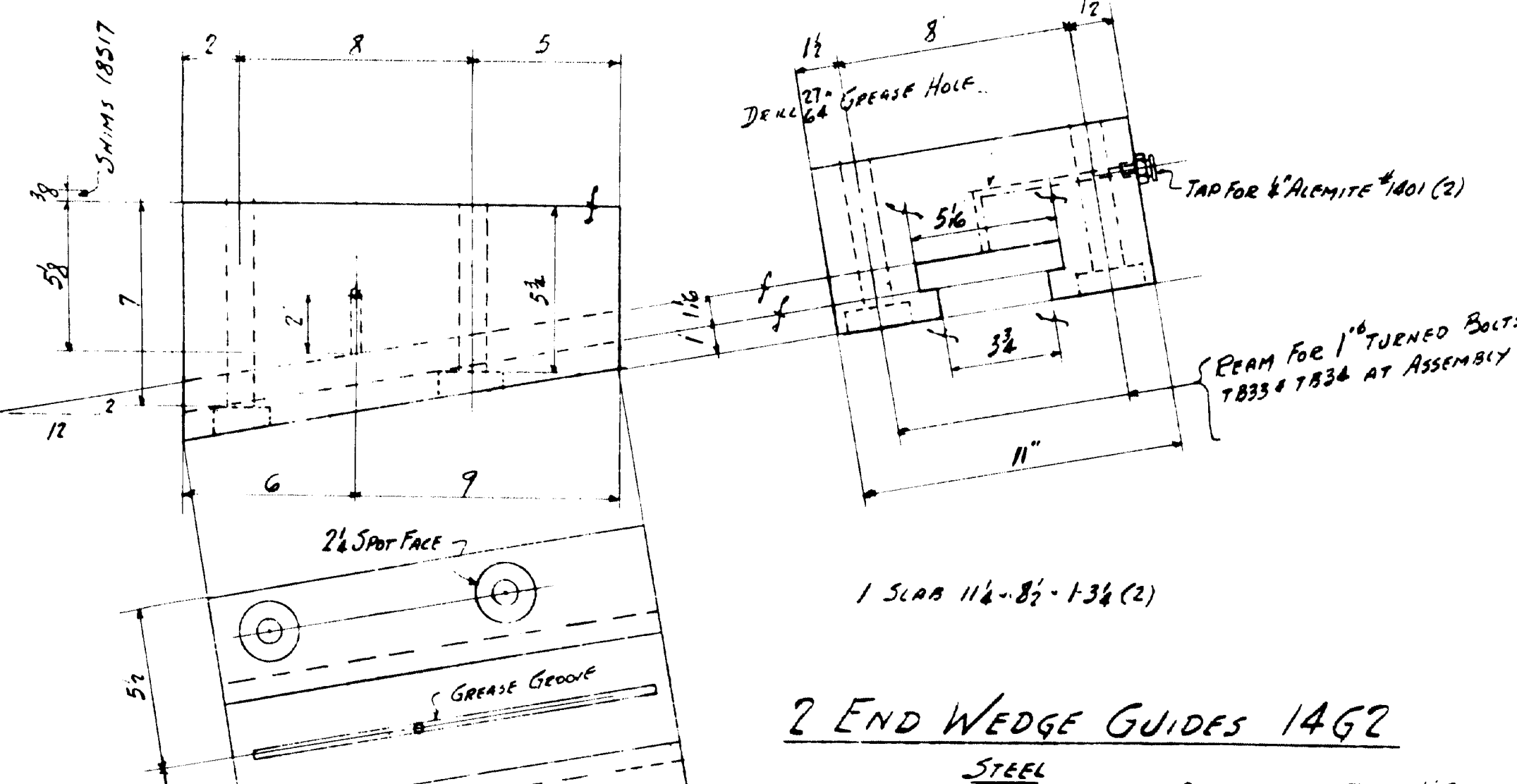
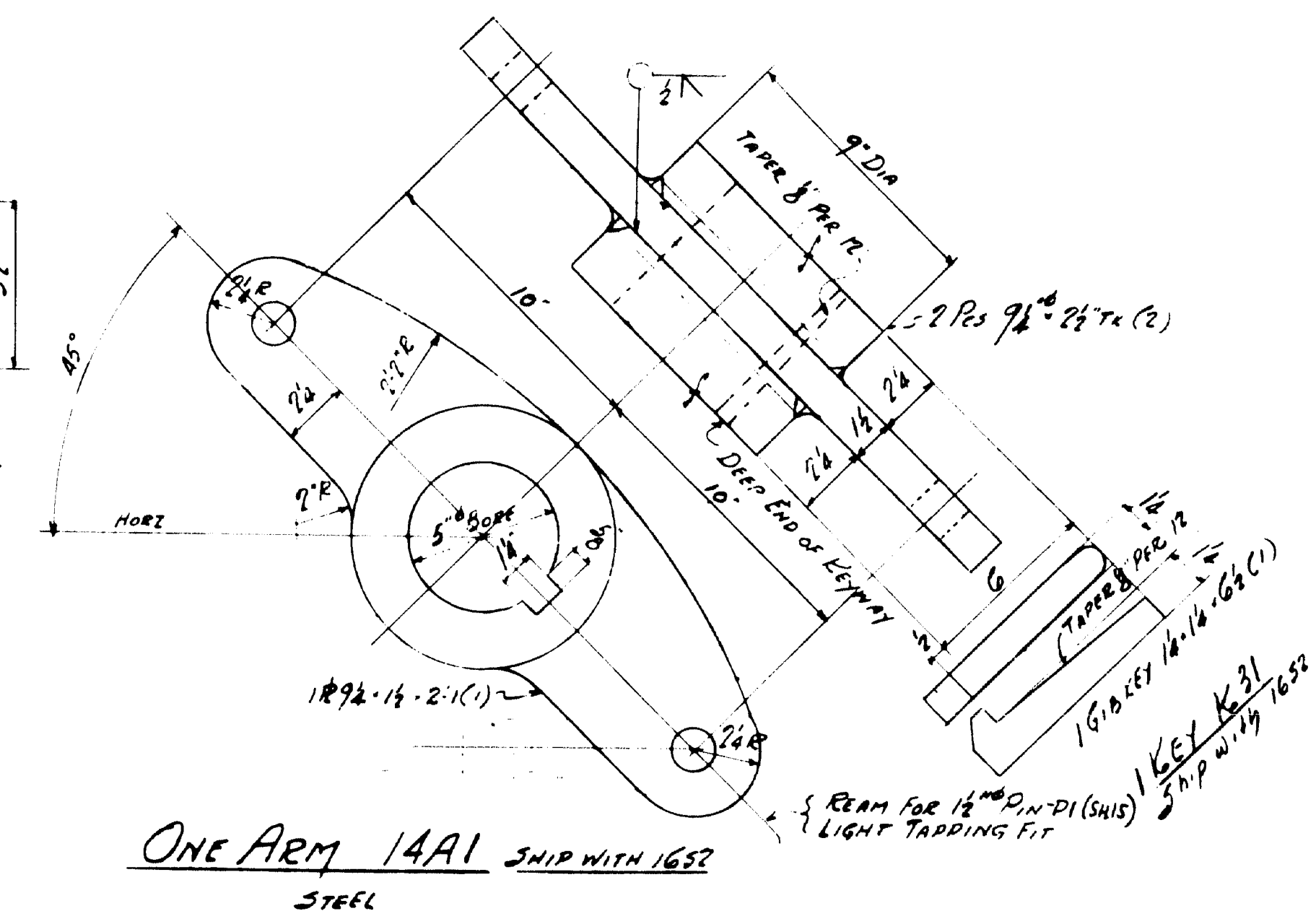
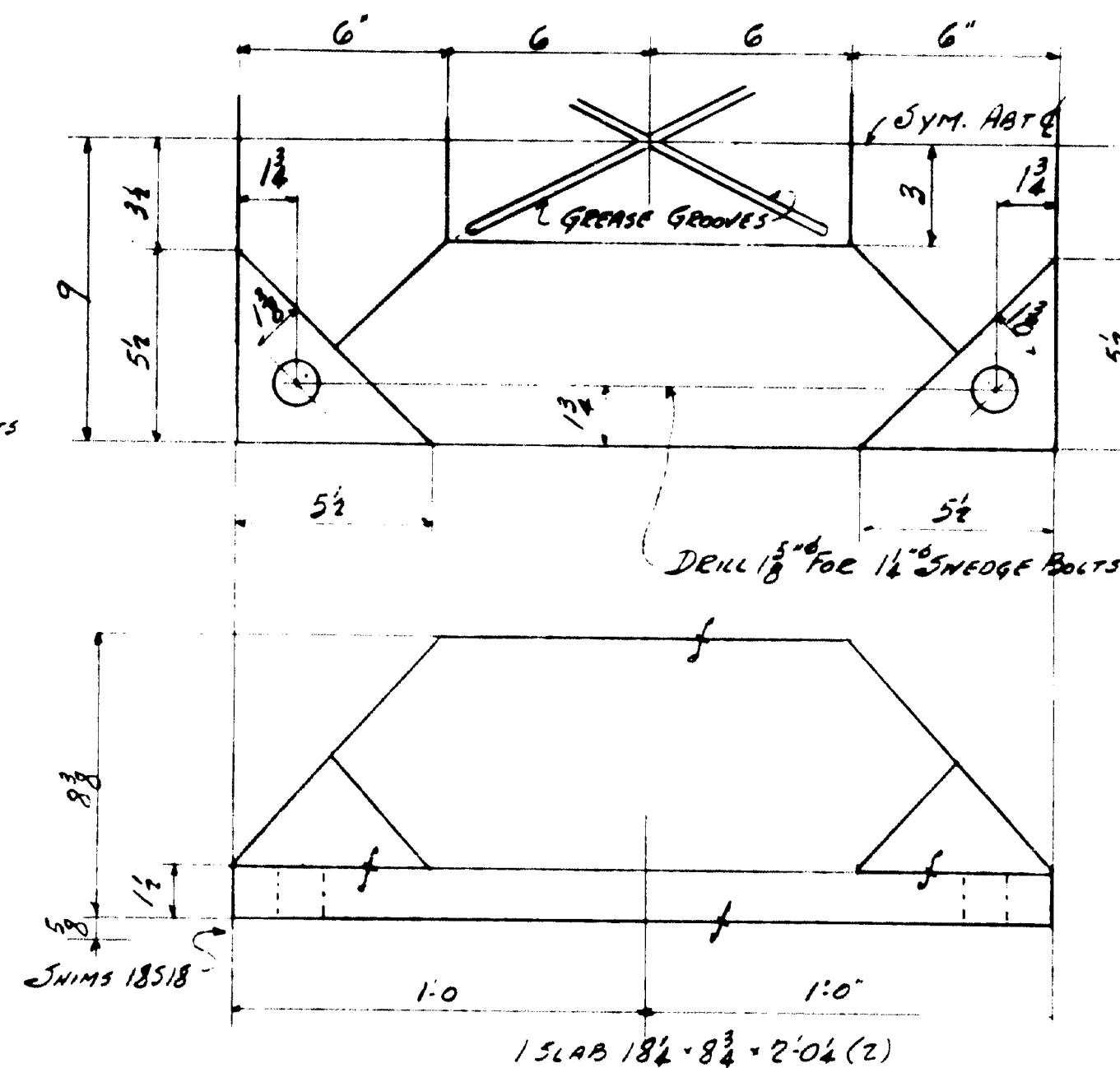
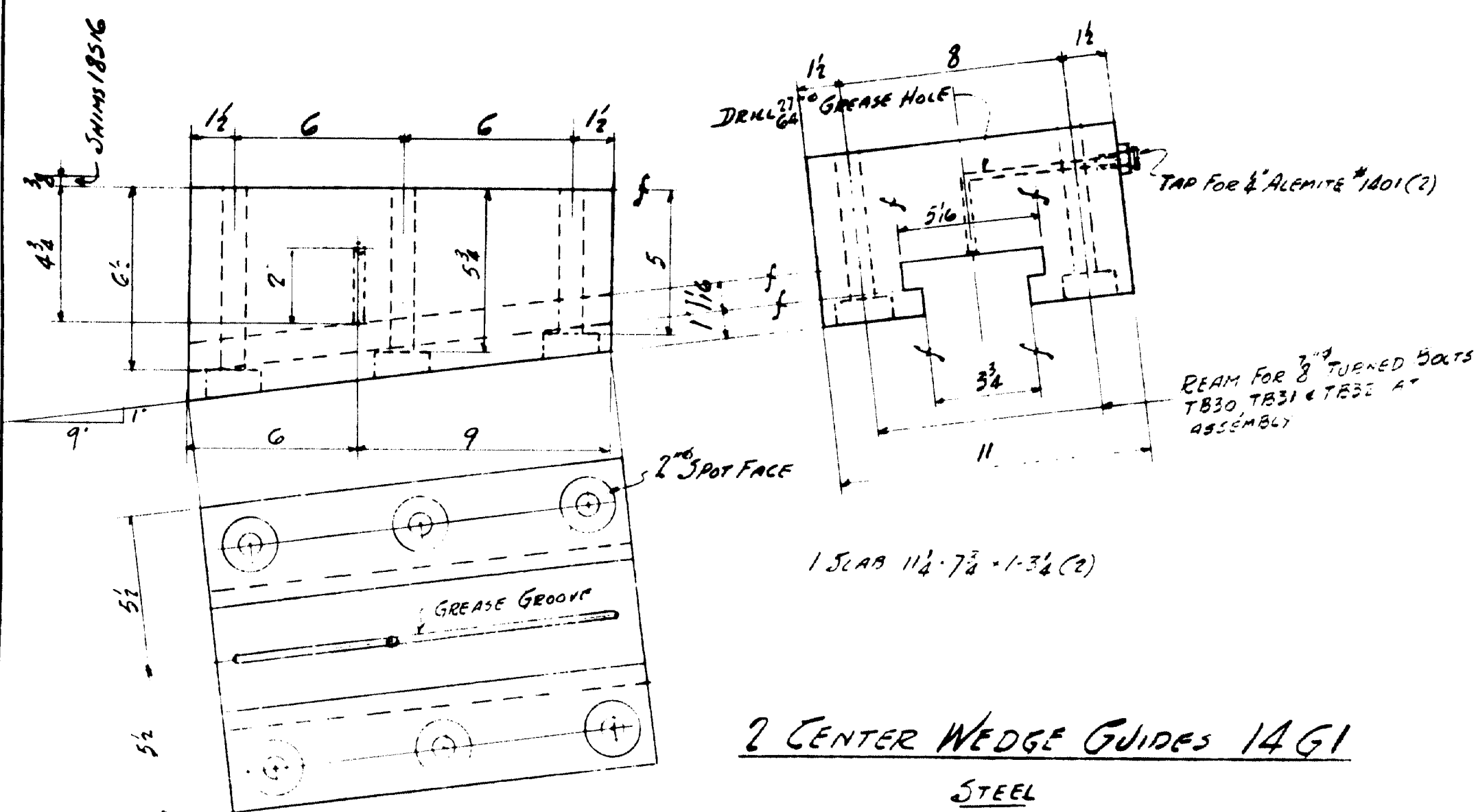
1/2 14" 3/8 TC (2)
1 SLAB 3/8" 4 1/2 TC (2)

INSPECTION	SHOP RIVETS	WEIGHT
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.		
STRUCTURE NAPLES BAY BRIDGE		
FOR STATE OF MAINE		
DETAILS OF BEARINGS FOR WEDGE DRIVE		
SPECIFICATIONS MAINE STEEL HIGHWAY BR 1945		
SHOP PAINT SEE PAINT NOTE SHEET 1		
DRAWN BY	DATE	CHECKED BY
DATE	BY	DESCRIPTION
1		
2		
3		
4		
5		
CONTRACT NO. 5980 SHEET NO. 11		

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

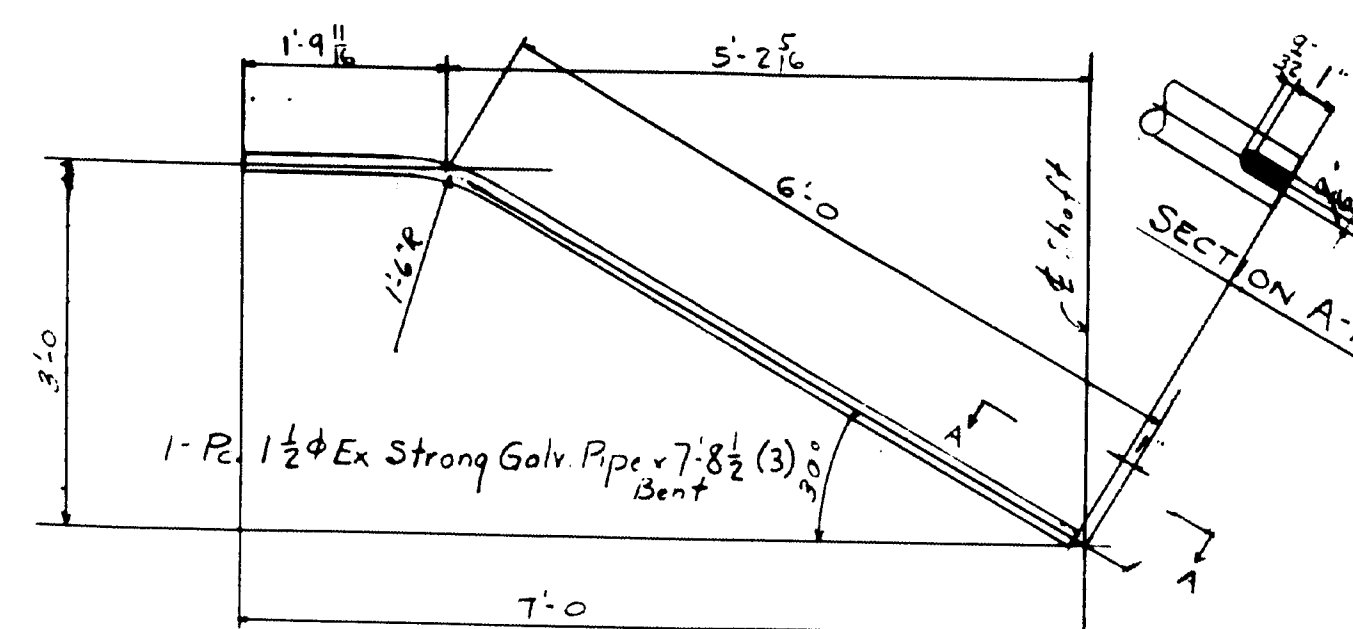


INSPECTION	SHOP RIVETS	WEIGHT
RIVETS	OPEN HOLES	UNLESS NOTED
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.		
STRUCTURE NAPLES BAY BRIDGE		
FOR STATE OF MAINE		
DETAILS OF BRIDGE FOR WEDGE DRIVE		
SPECIFICATIONS MAINE STEEL HIGHWAY BR 1765		
SHOP PAINT SEE PAINT NOTE - SHT 1		
FIELD PAINT		
DRAWN BY	DATE	CHECKED BY
Fuller	7-11-34	R. M.
NO.	DATE	BY
1		
2		
3		
4		
5		
CONTRACT NO. 5780 SHEET NO. 12		

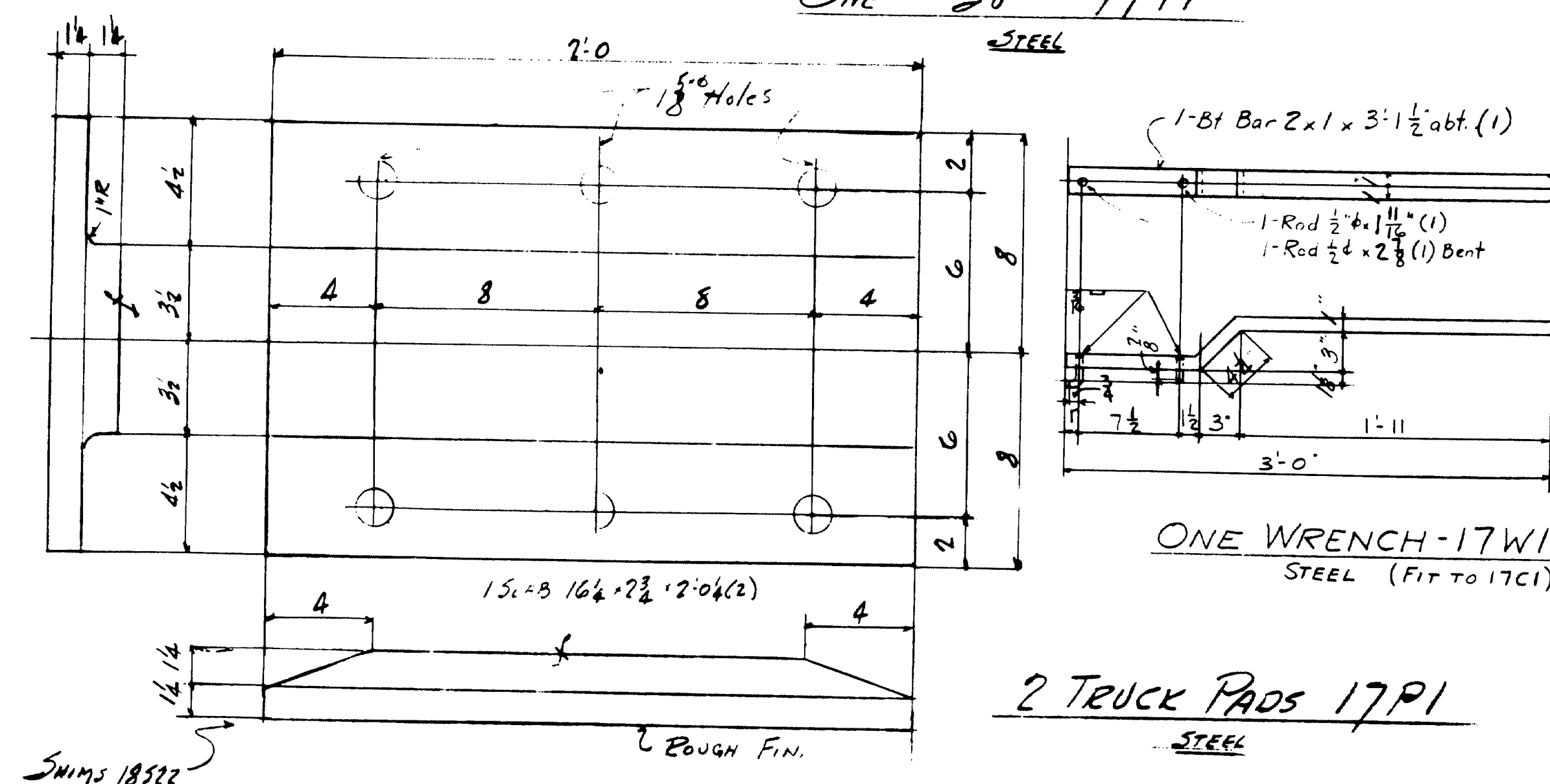


STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES		UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.					
STRUCTURE: NAPLES BAY BRIDGE					
FOR: STATE OF MAINE					
DETAILS OF: WEDGE GUIDES, SEATS & ARMS					
SPECIFICATIONS: MAINE STATE HIGHWAY BR. 1945					
SHOP PAINT: SEE PAINT NOTE SHEET #1					
FIELD PAINT:					
DATE	CHECKED BY	DATE	CHECKED BY	DATE	SQUAD FOREMAN
1945	A.M.	1945	A.M.	1945	A.M.
NO.	DATE	BY	DESCRIPTION		
1					
2					
3					
4					
5					
CONTRACT NO. 5980 SHEET NO. 14					

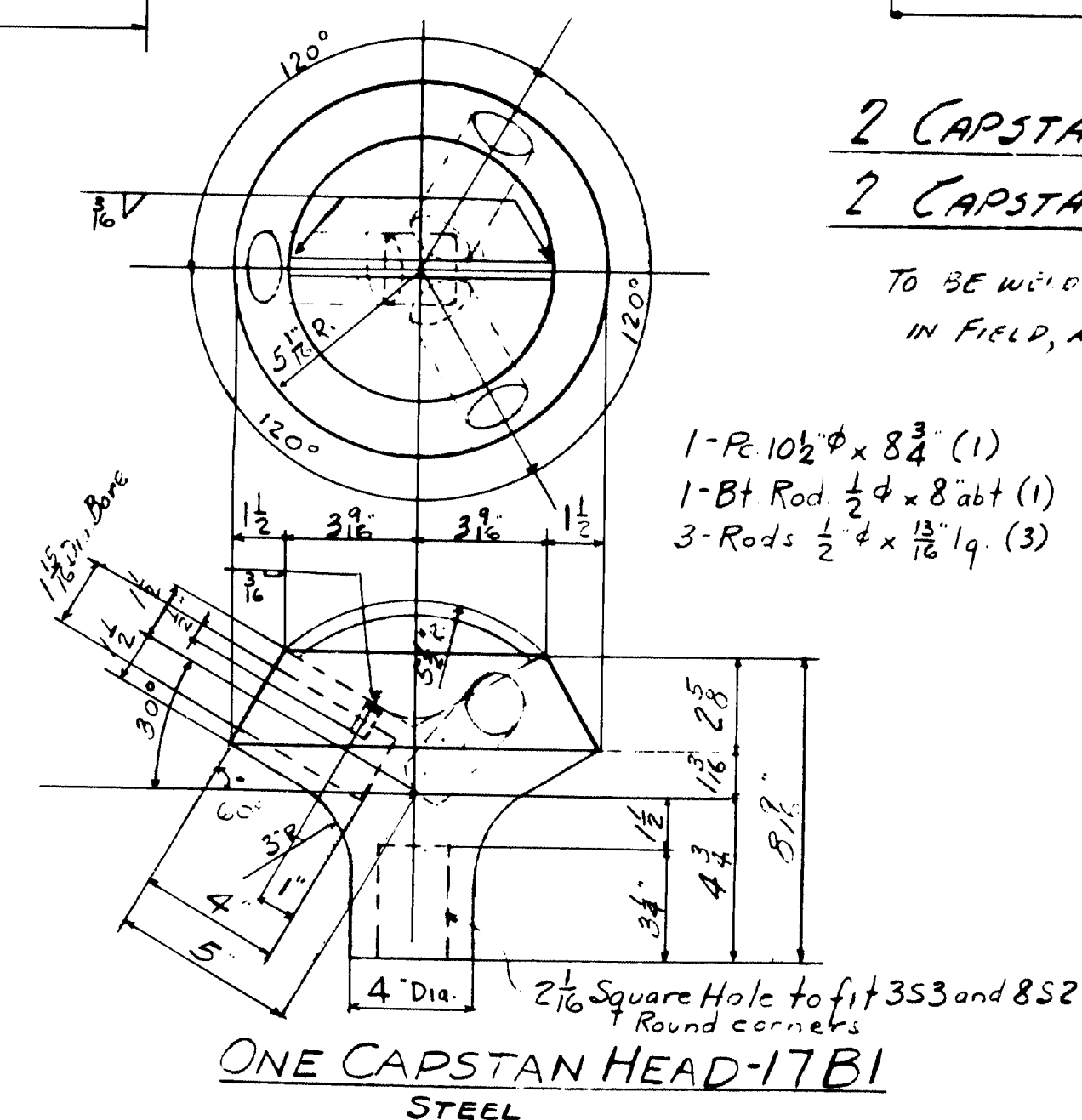
[illegible]

ONE - ALEMITE GRENDE GUN #6679-J
ONE - ALEMITE HOSE # 7089
ONE - J.H. WILLIAMS DOUBLE
12 PT. OFFSET B&K WRENCH } #8037A FOR 3/4" & 7/8" HEX NUTS
ONE - Do " #8039A FOR 3/8" & 1" HEX NUTS
ONE - Do " #8742B FOR 1" & 1 1/8" HEX NUTS
ONE - J.H. WILLIAMS B&K WRENCH #H811A FOR 1 1/4" HEX NUTS
ONE - COMPLETE SET OF HOLO-KROME
SOCKET SCREW KEYS # 22 HK (H.D.TATL. & CO)



ONE WRENCH-17W1
STEEL (FIT TO 17C1)

2 TRUCK PADS 17P1
STEEL



2 CAPSTAN BOXES 1752 (STEEL)
2 CAPSTAN COVERS 1761 (STEEL)

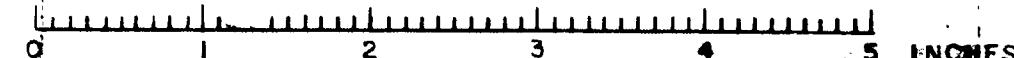
TO BE WELDED INTO ROAD GRID
IN FIELD, AT CAPSTANS

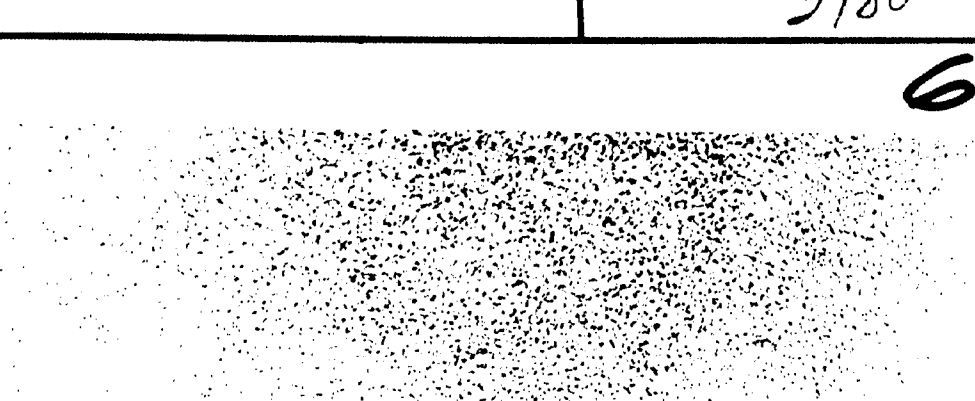
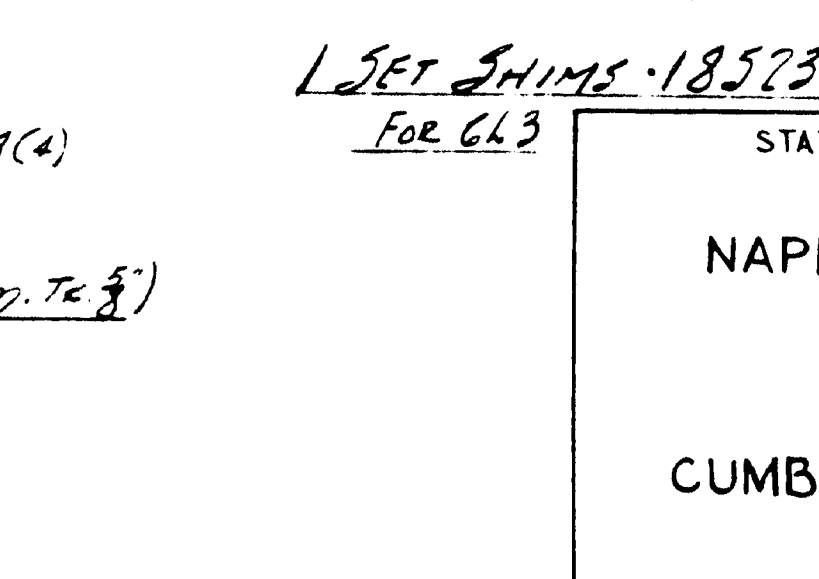
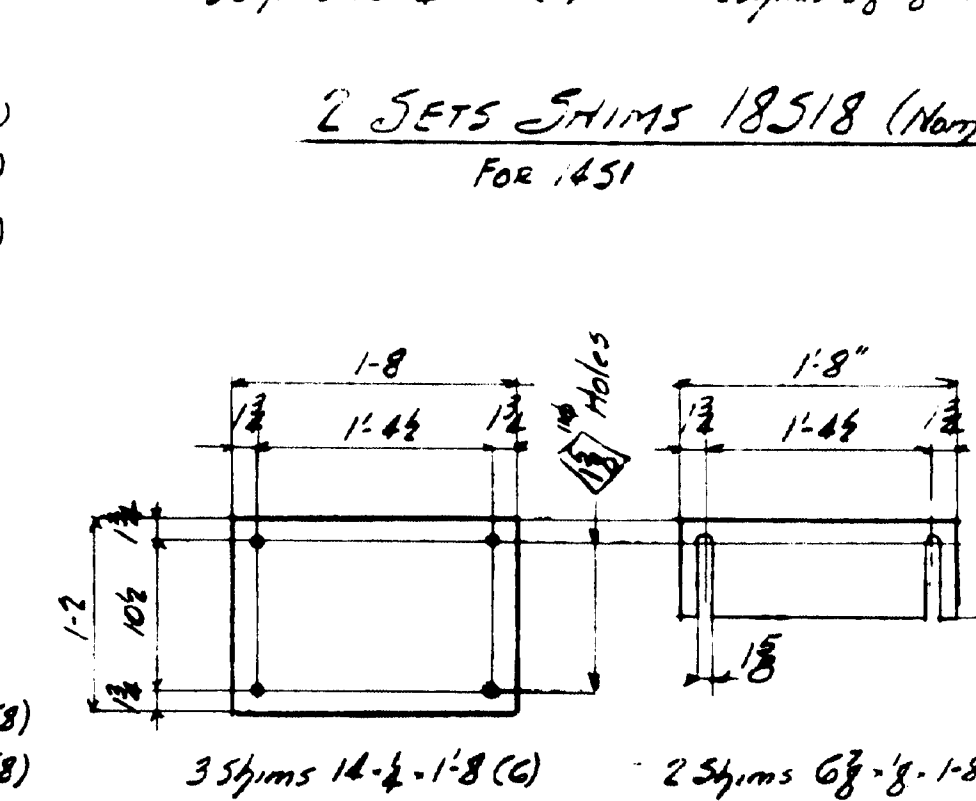
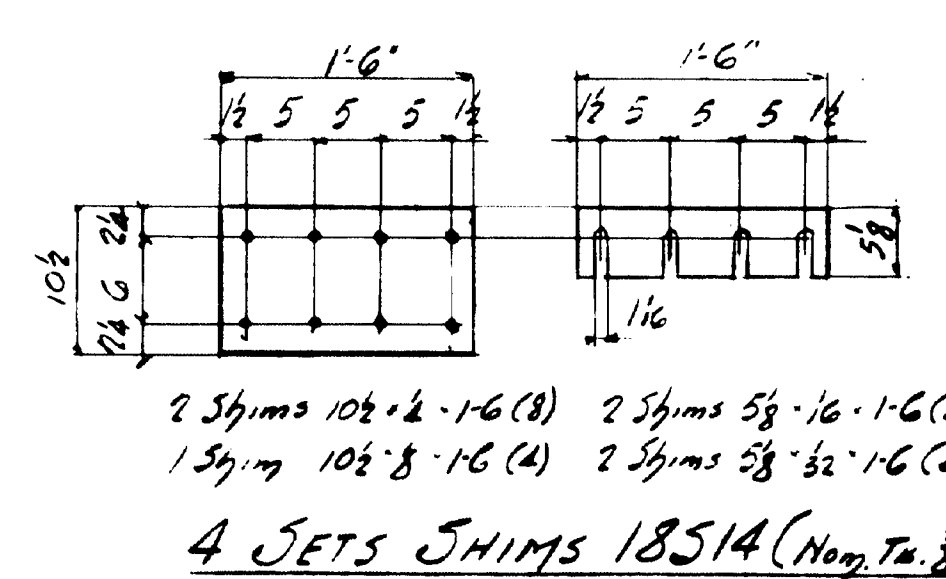
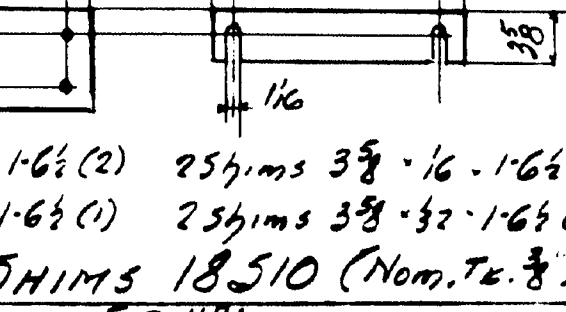
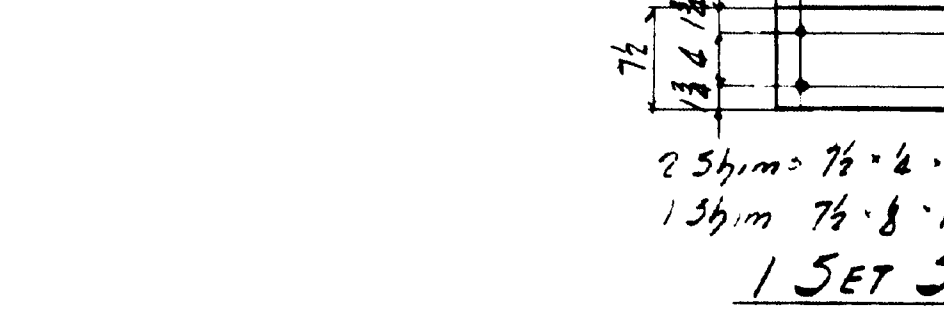
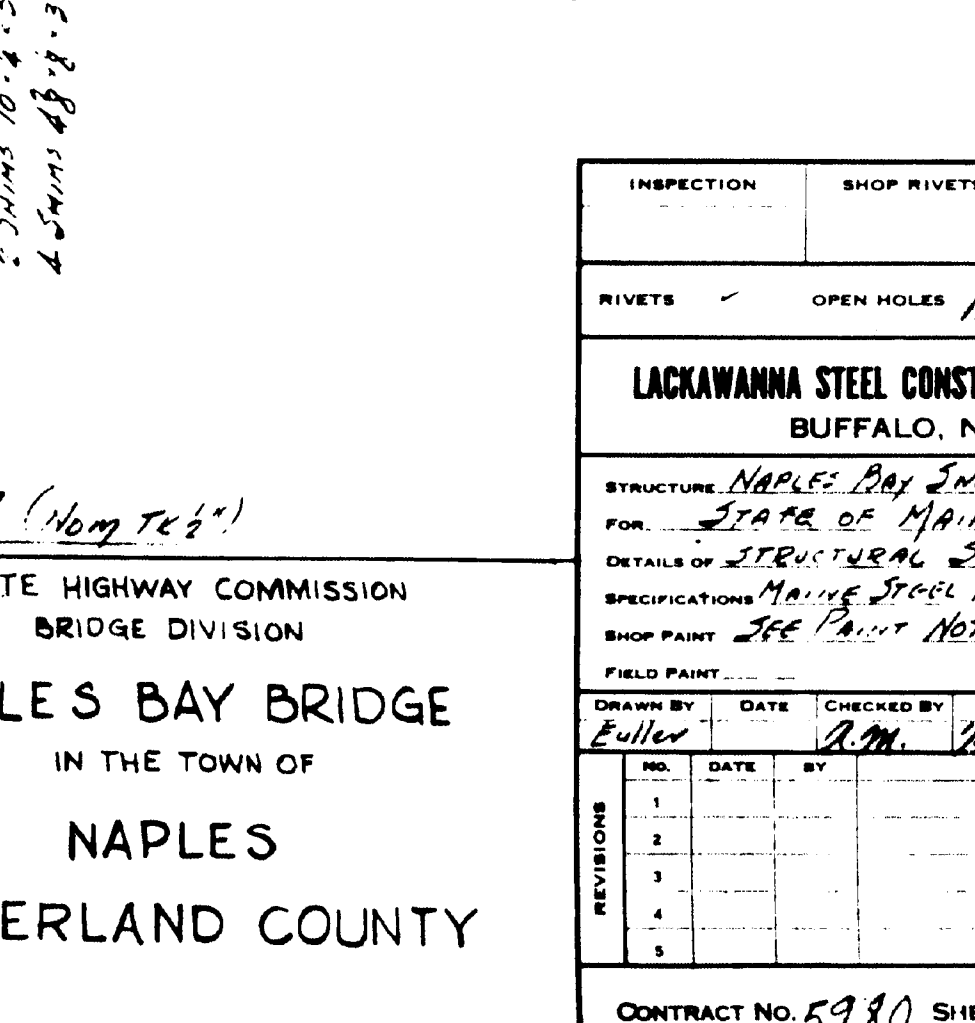
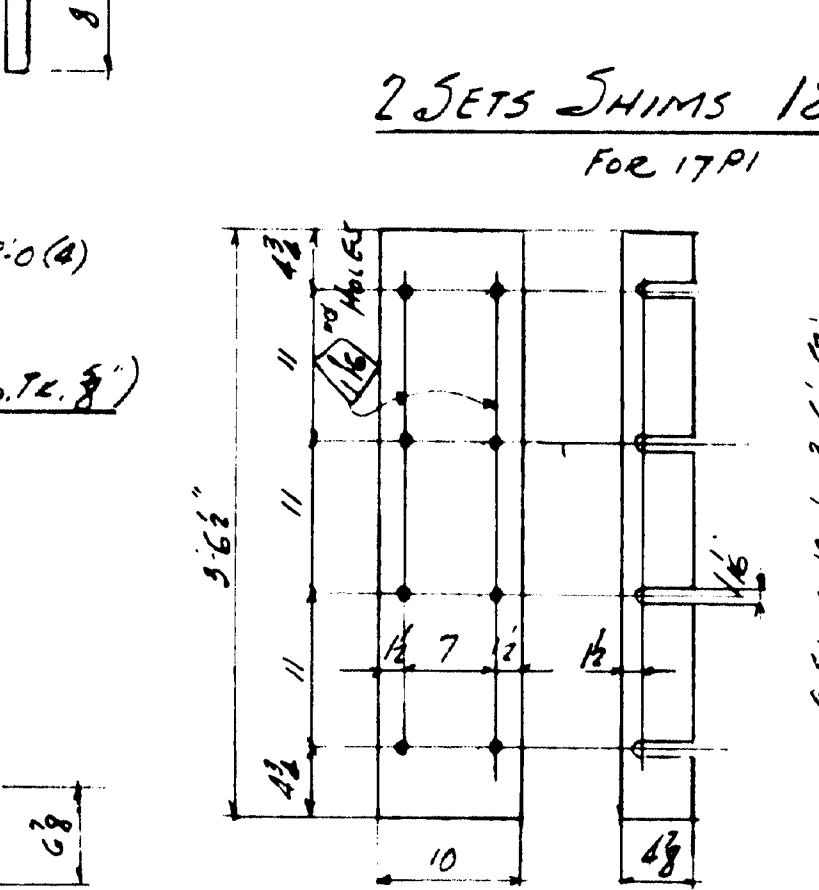
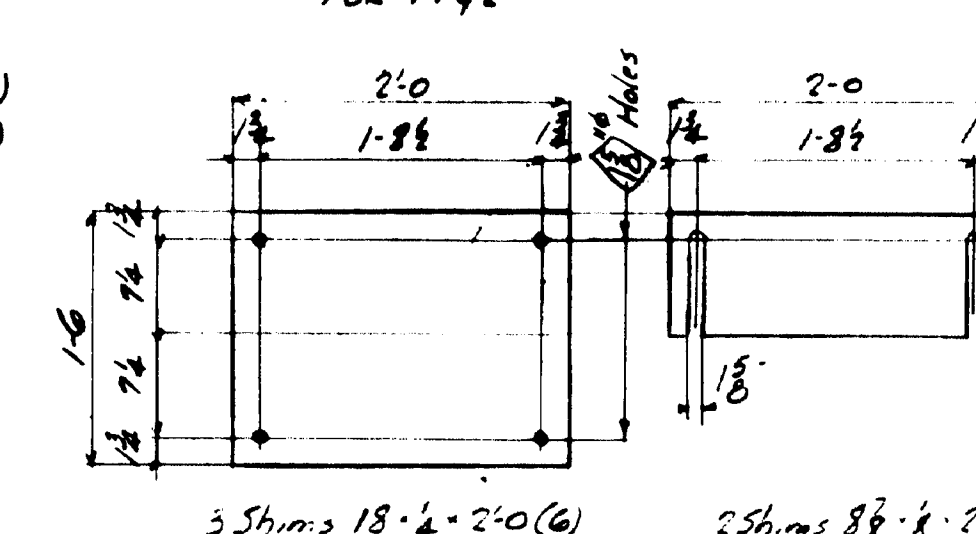
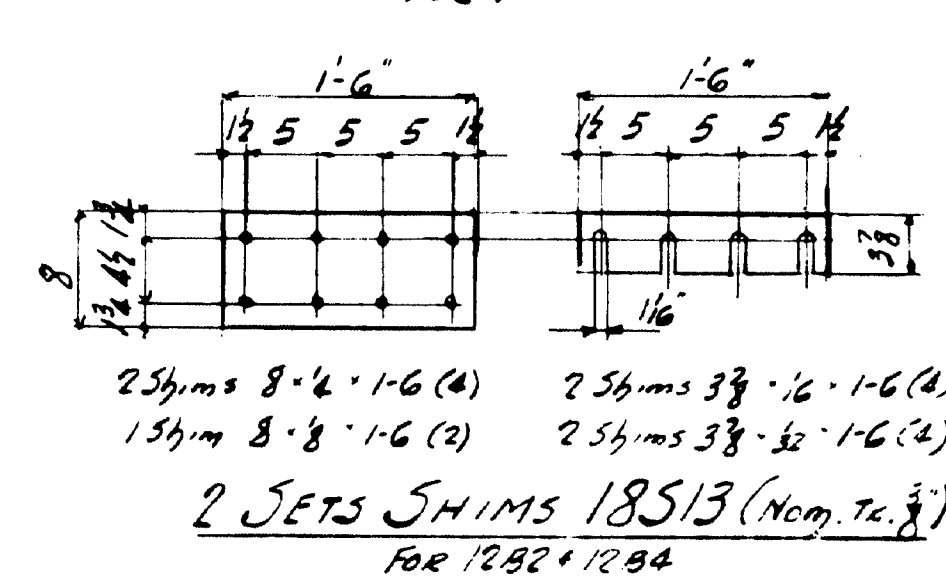
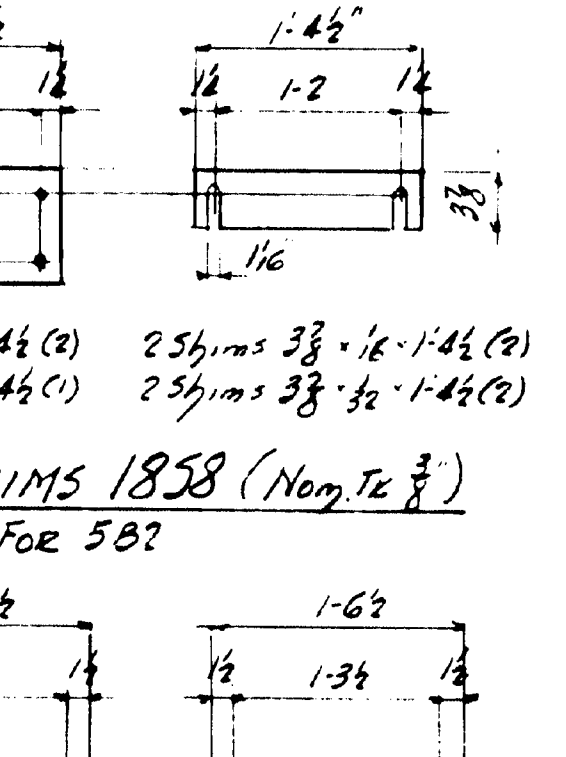
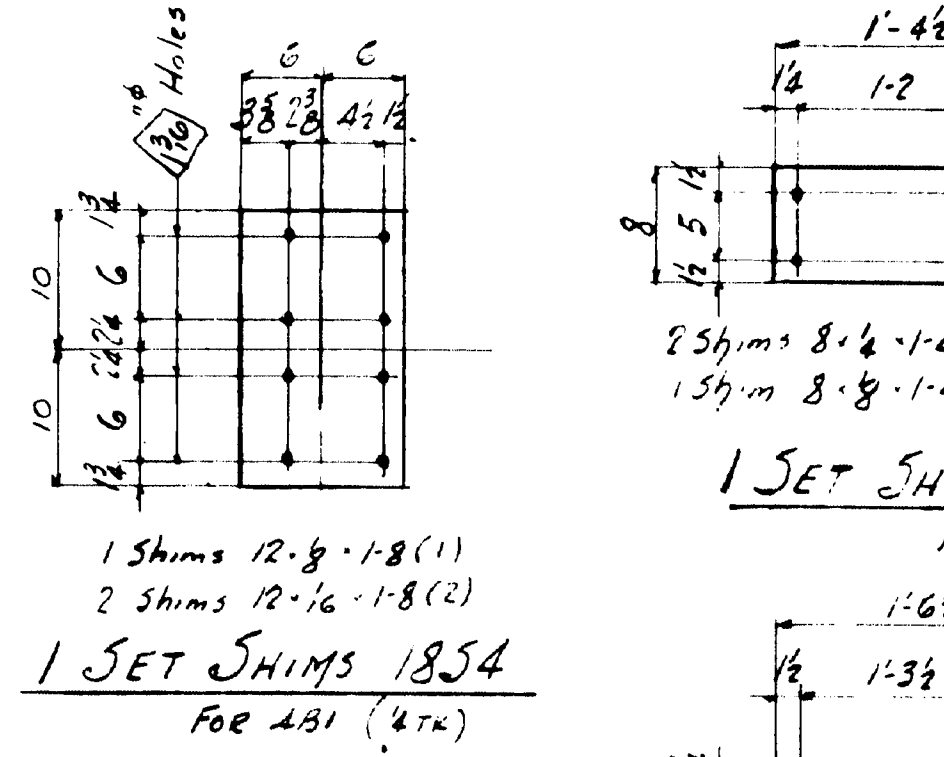
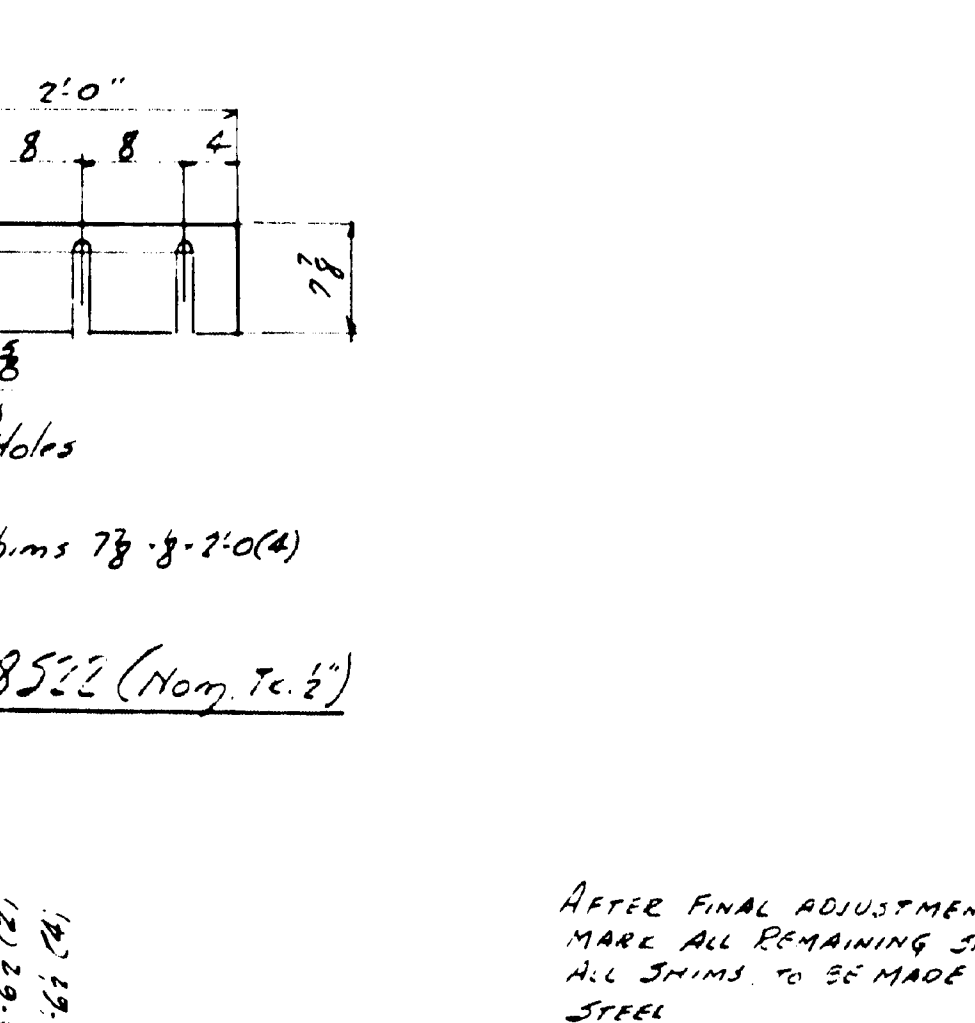
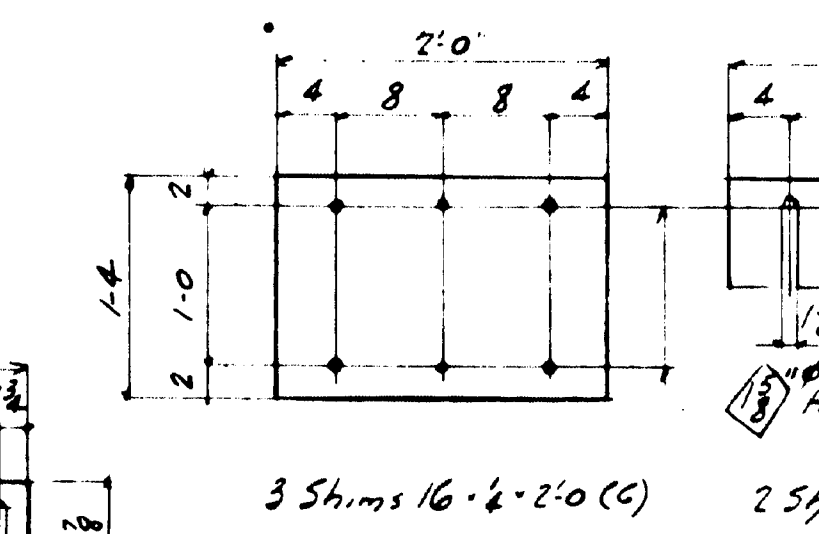
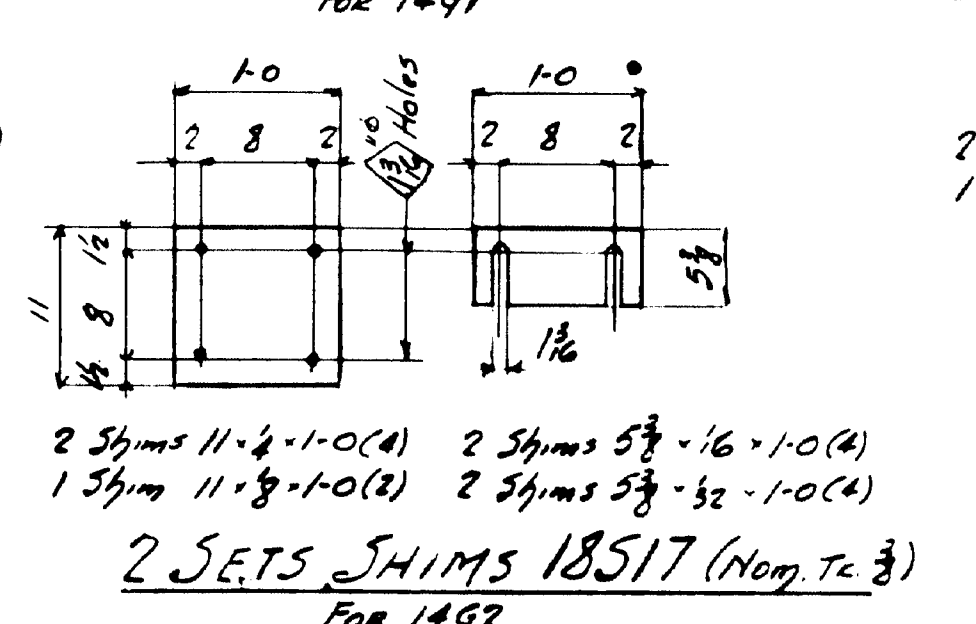
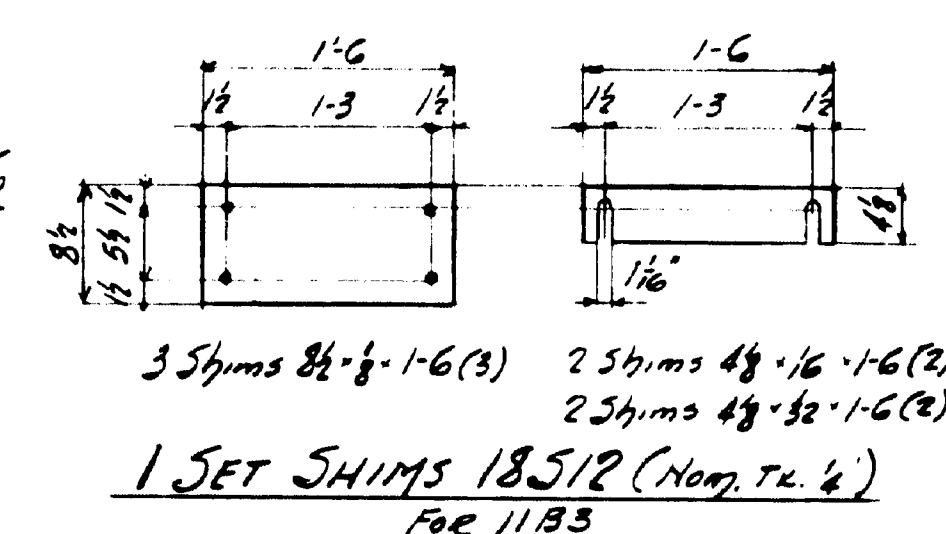
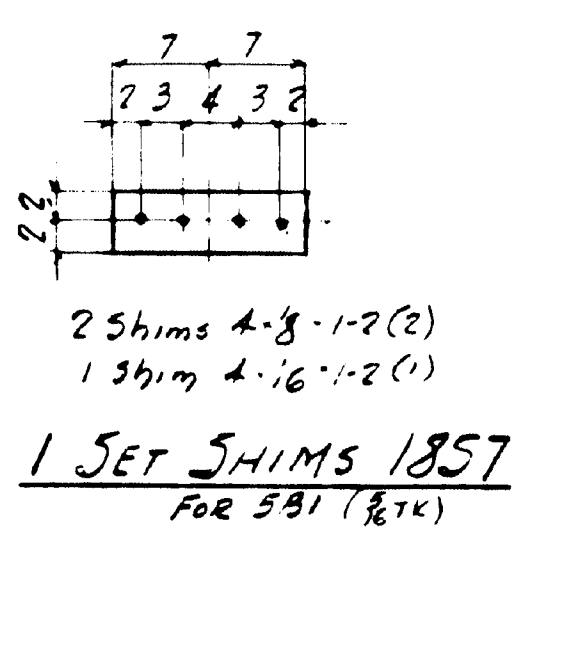
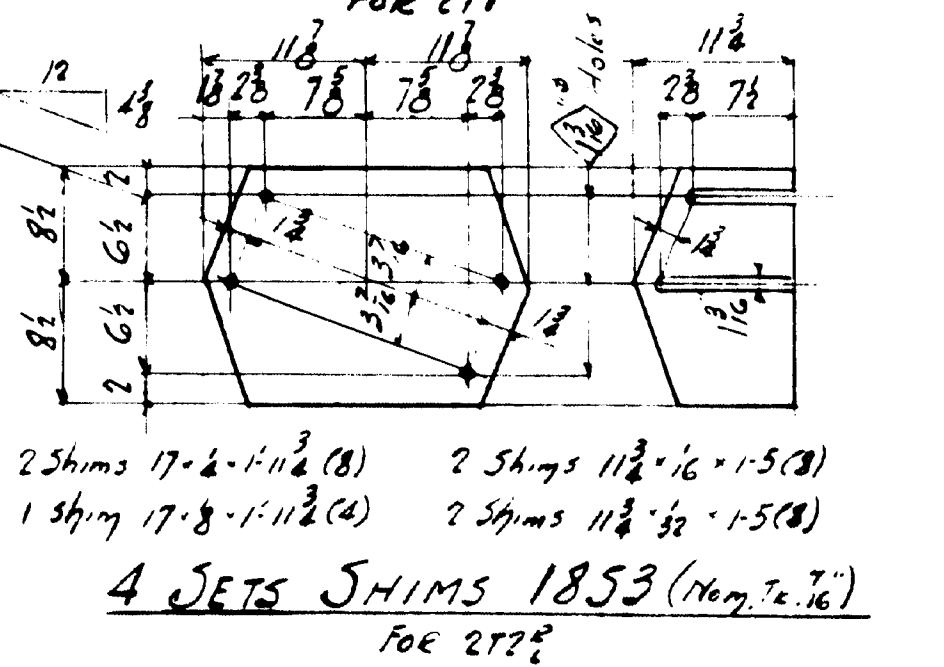
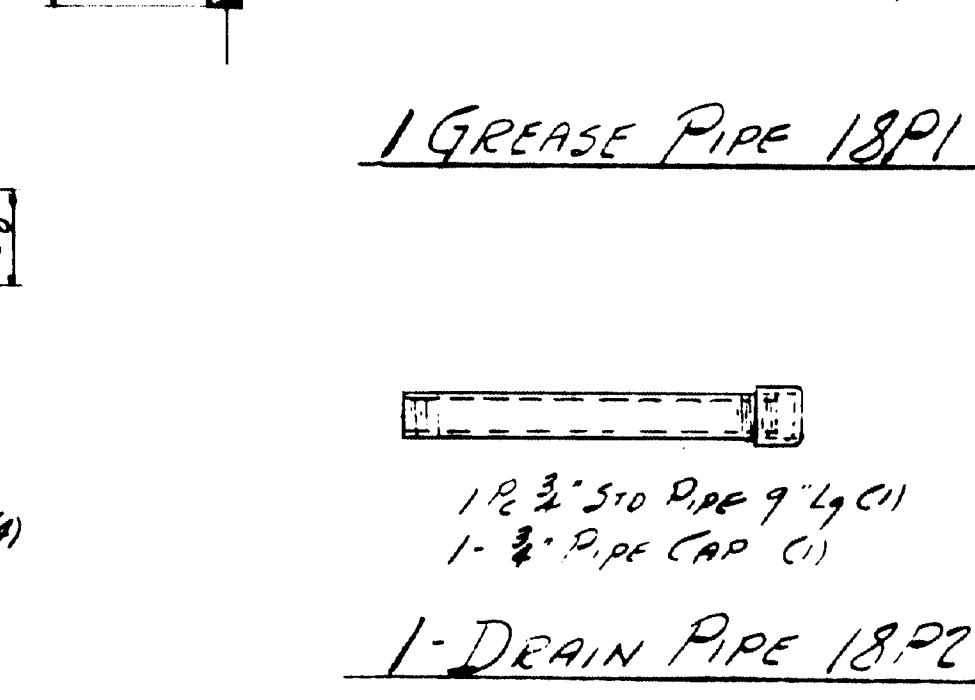
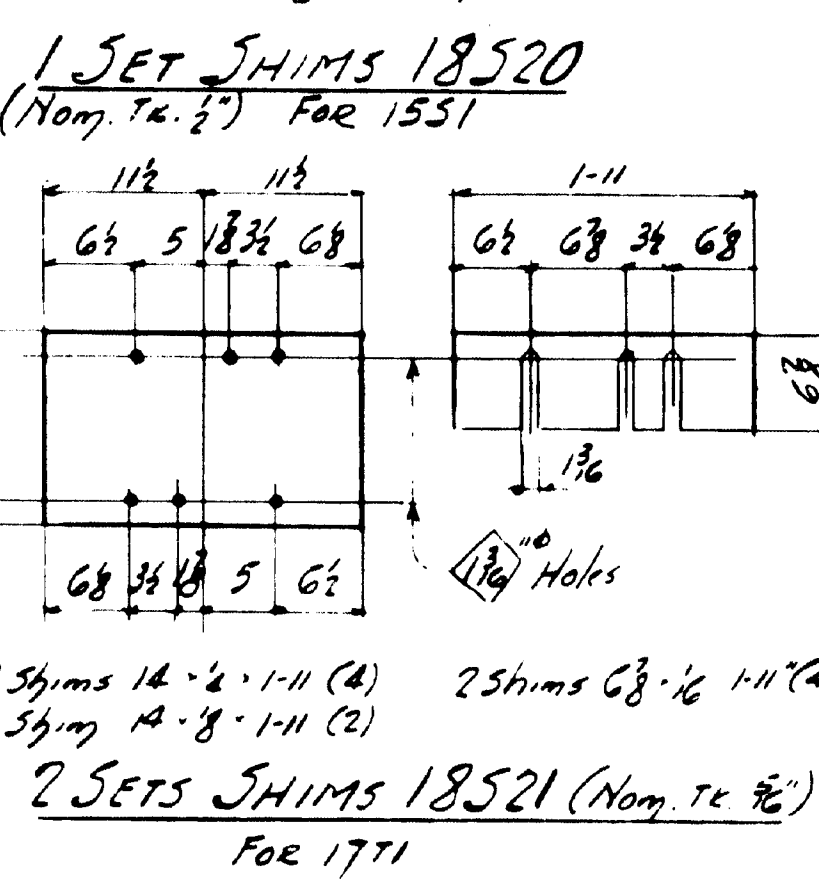
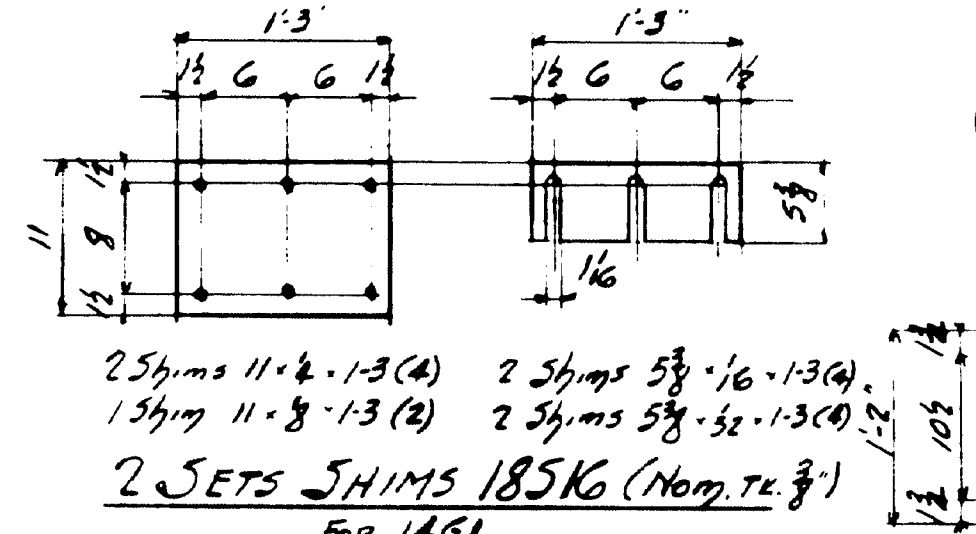
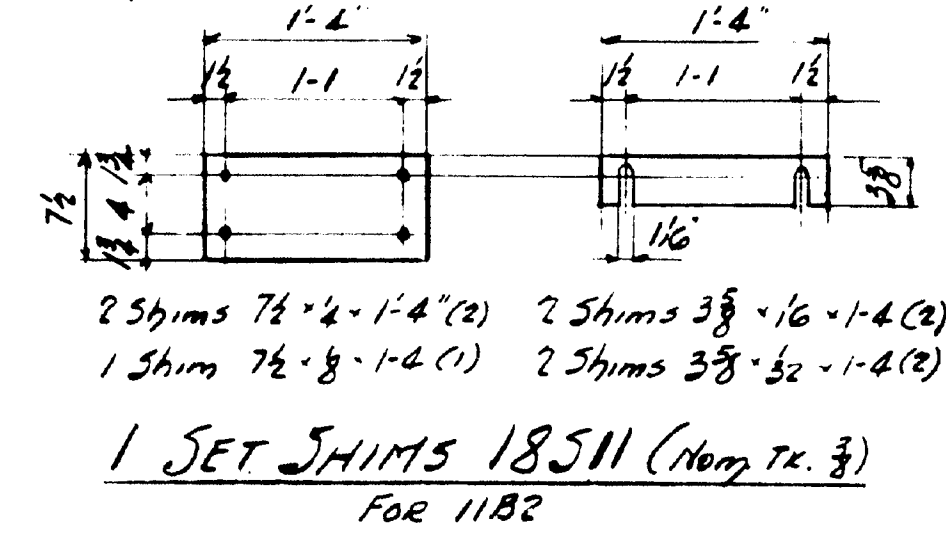
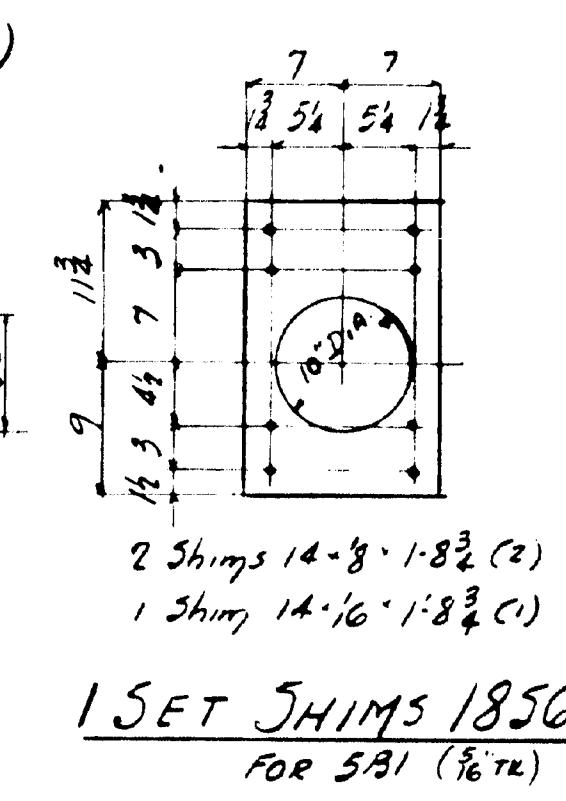
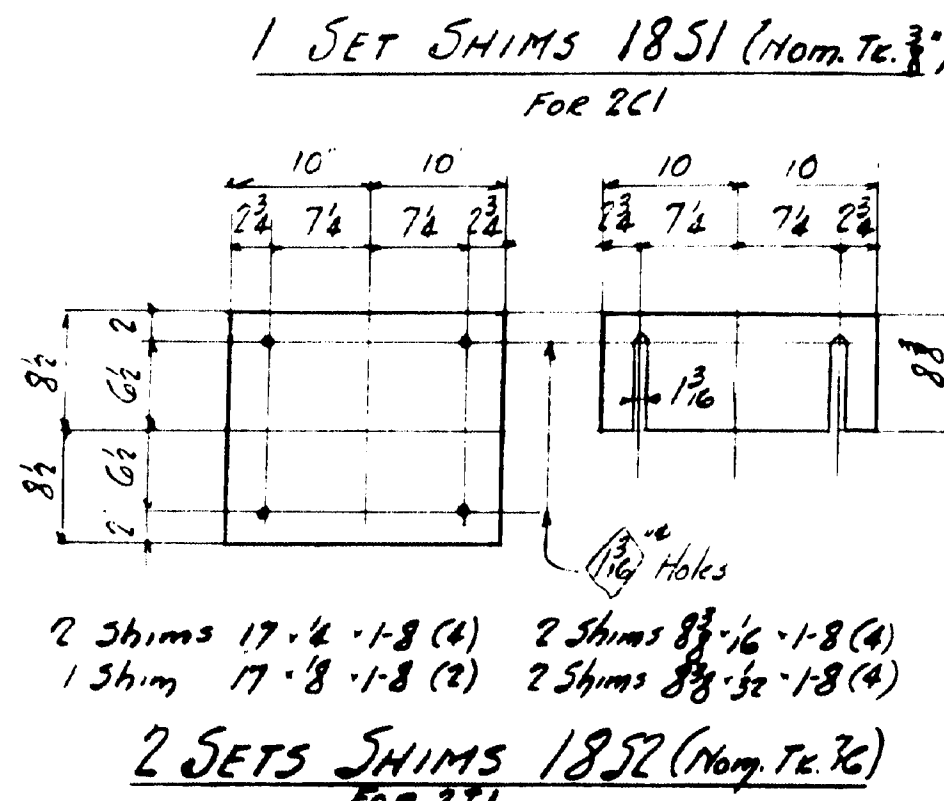
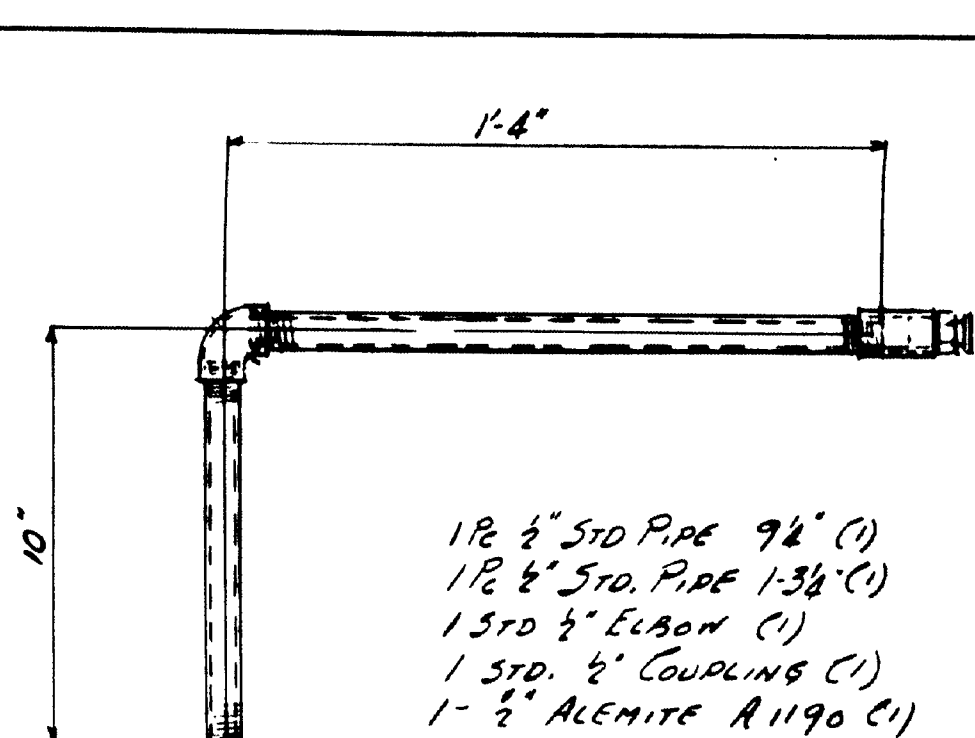
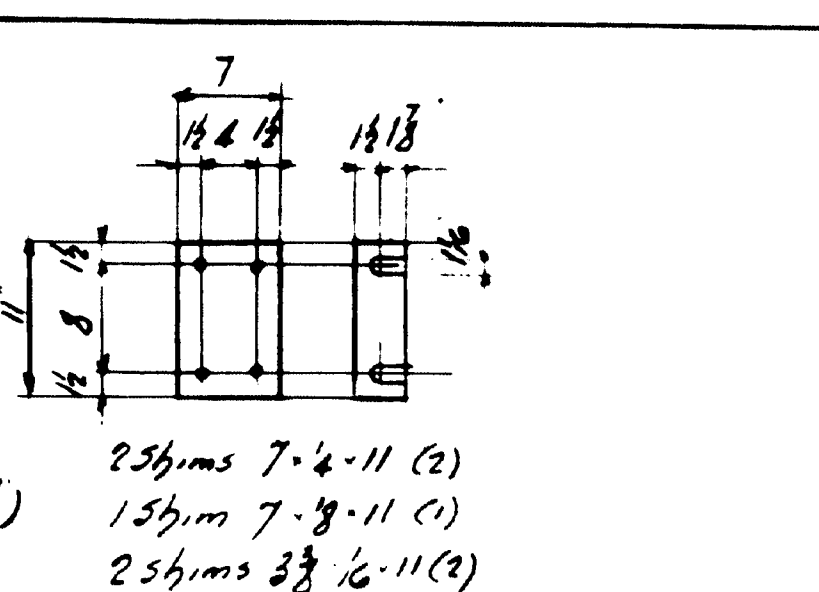
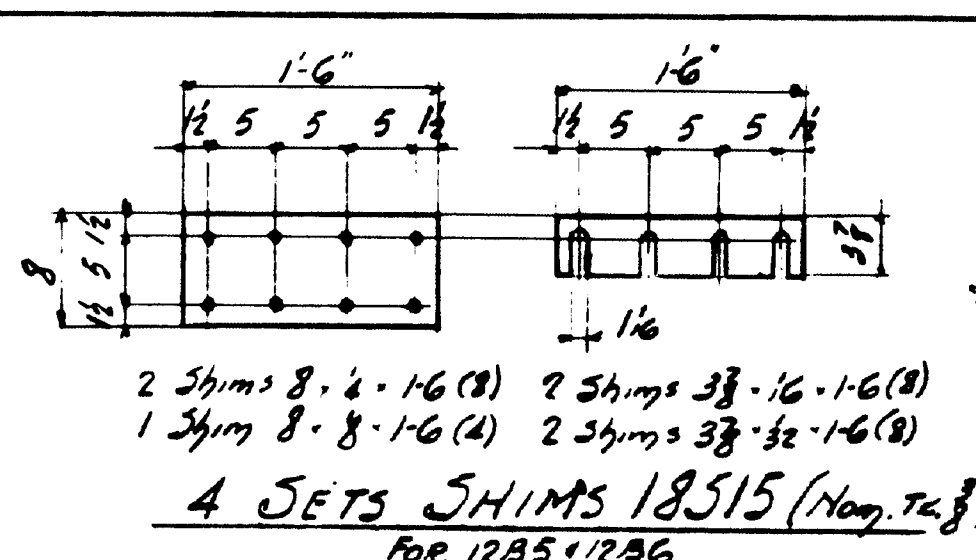
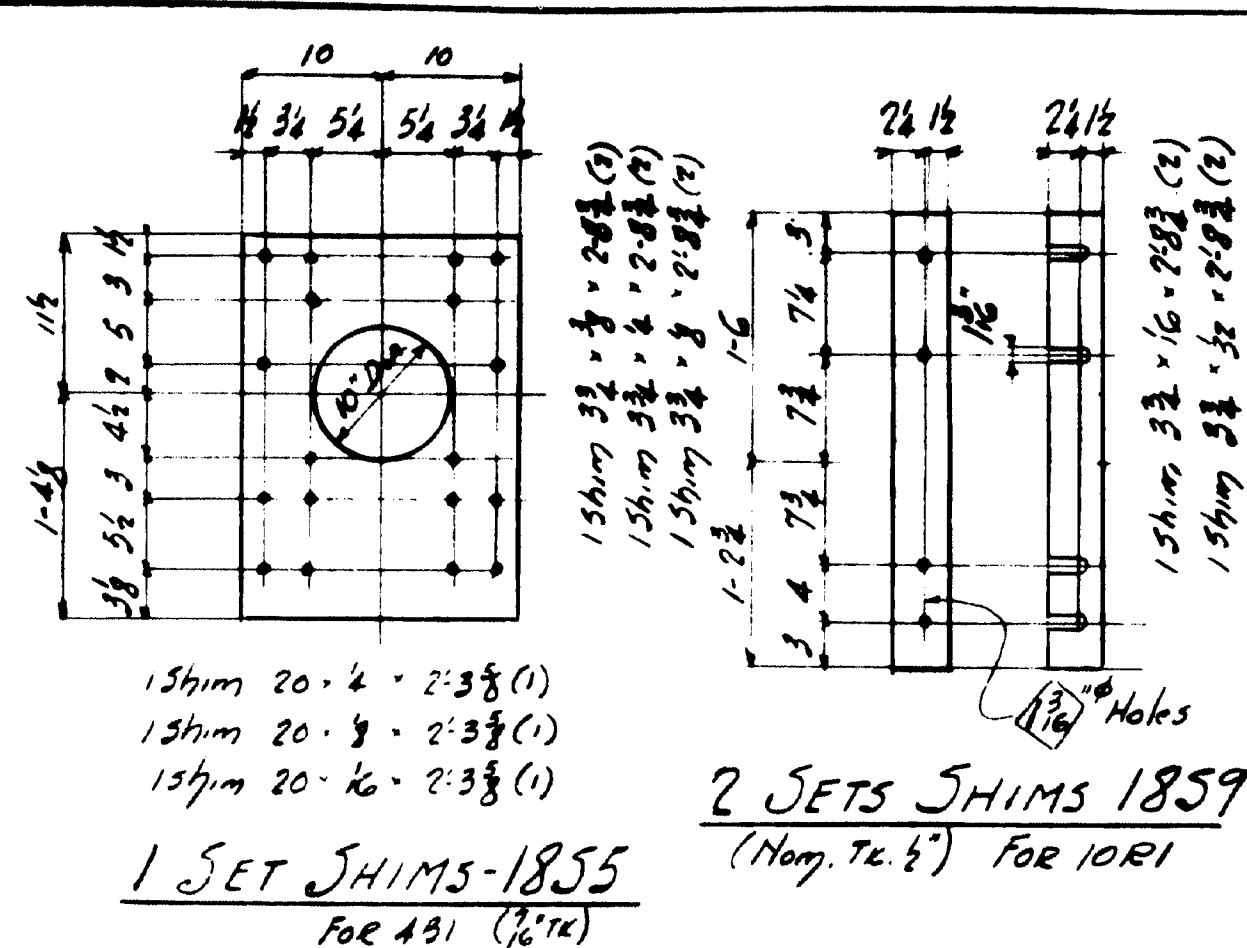
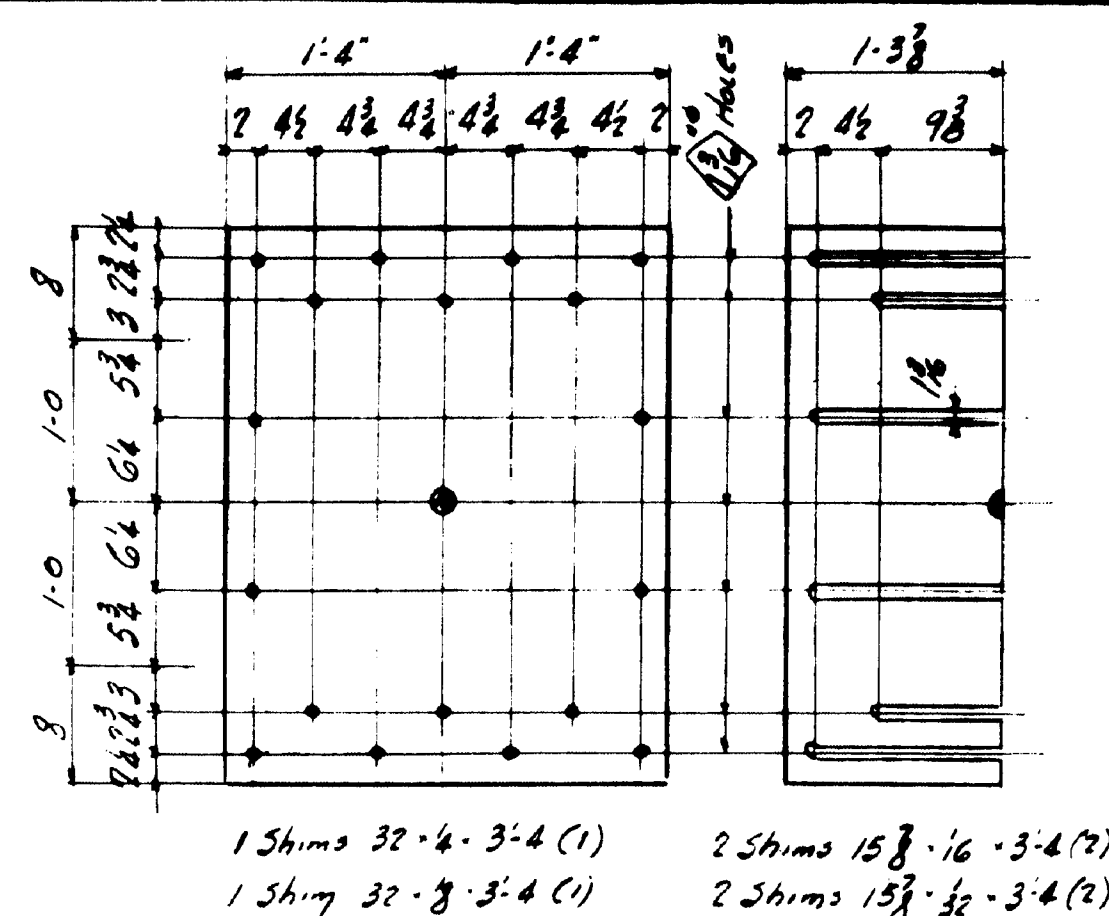
1-PC. $10\frac{1}{2}'' \phi \times 8\frac{3}{4}''$ (1)
1-Bt. Rod. $\frac{1}{2}'' \phi \times 8$ abt (1)
3-Rods $\frac{1}{2}'' \phi \times \frac{13}{16}''$ lq. (3)

ONE CAPSTAN HEAD-17B
STEEL

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

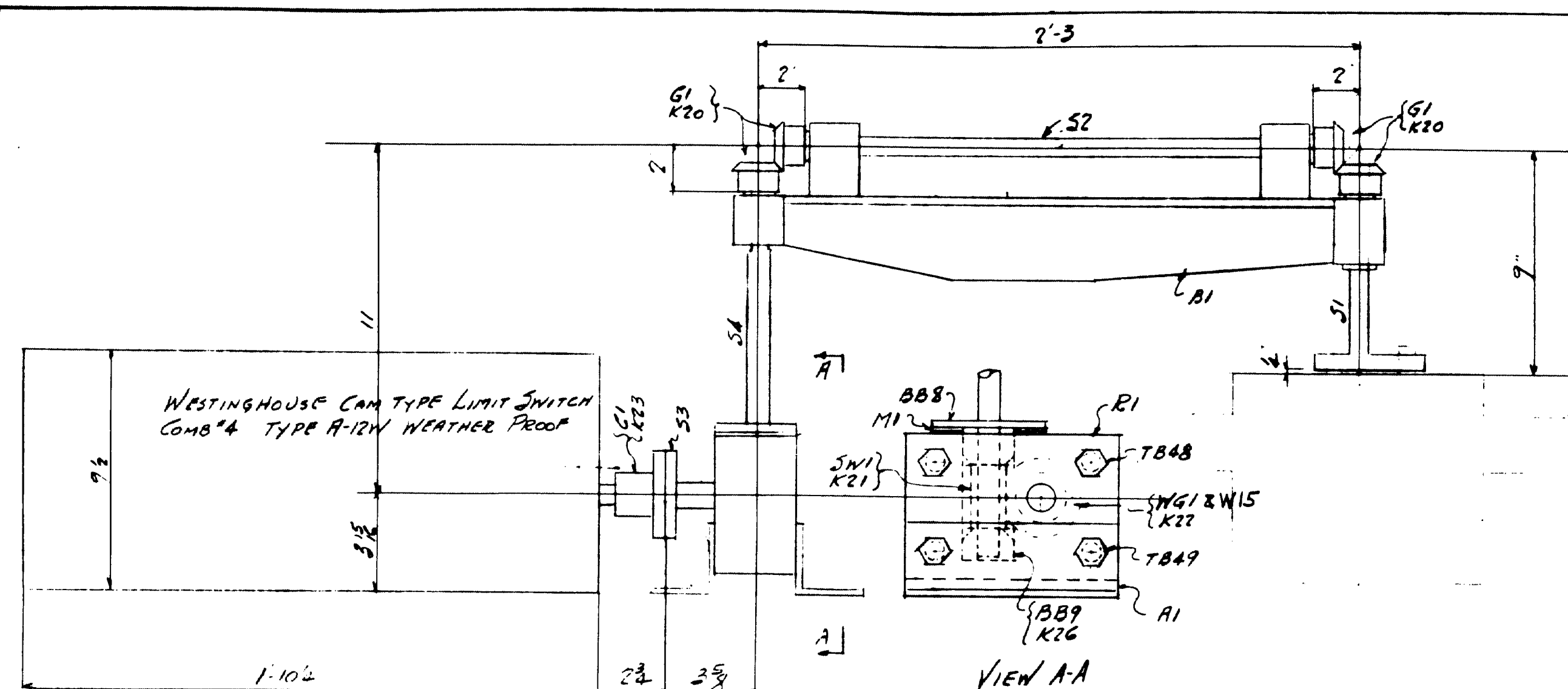
	INSPECTION		SHOP RIVETS		WEIGHT
RIVETS	✓	OPEN HOLES	✓	UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP. BUFFALO, N. Y.					
STRUCTURE <i>NARLES BOY SWING BRIDGE</i>					
FOR <i>STATE OF MAINE</i>					
DETAILS OF <i>CARPENTARY & BOXES - TRUCK</i>					
SPECIFICATIONS <i>MAINE STEEL HIGHWAY BRIDGE</i>					
<i>SEE PLANT NOTE - JAN 1</i>					
FIELD PAINT					
DRAWN BY	DATE	CHECKED BY	DATE	SQUAD FOREMAN	
<i>FULLER</i>		<i>A.M.</i>	<i>JAN 1</i>	<i>A.M.</i>	
REVISIONS	NO.	DATE	BY	DESCRIPTION	
	1				
	2				
	3				
	5				
CONTRACT NO. <i>5980</i> SHEET NO.					<i>17</i>



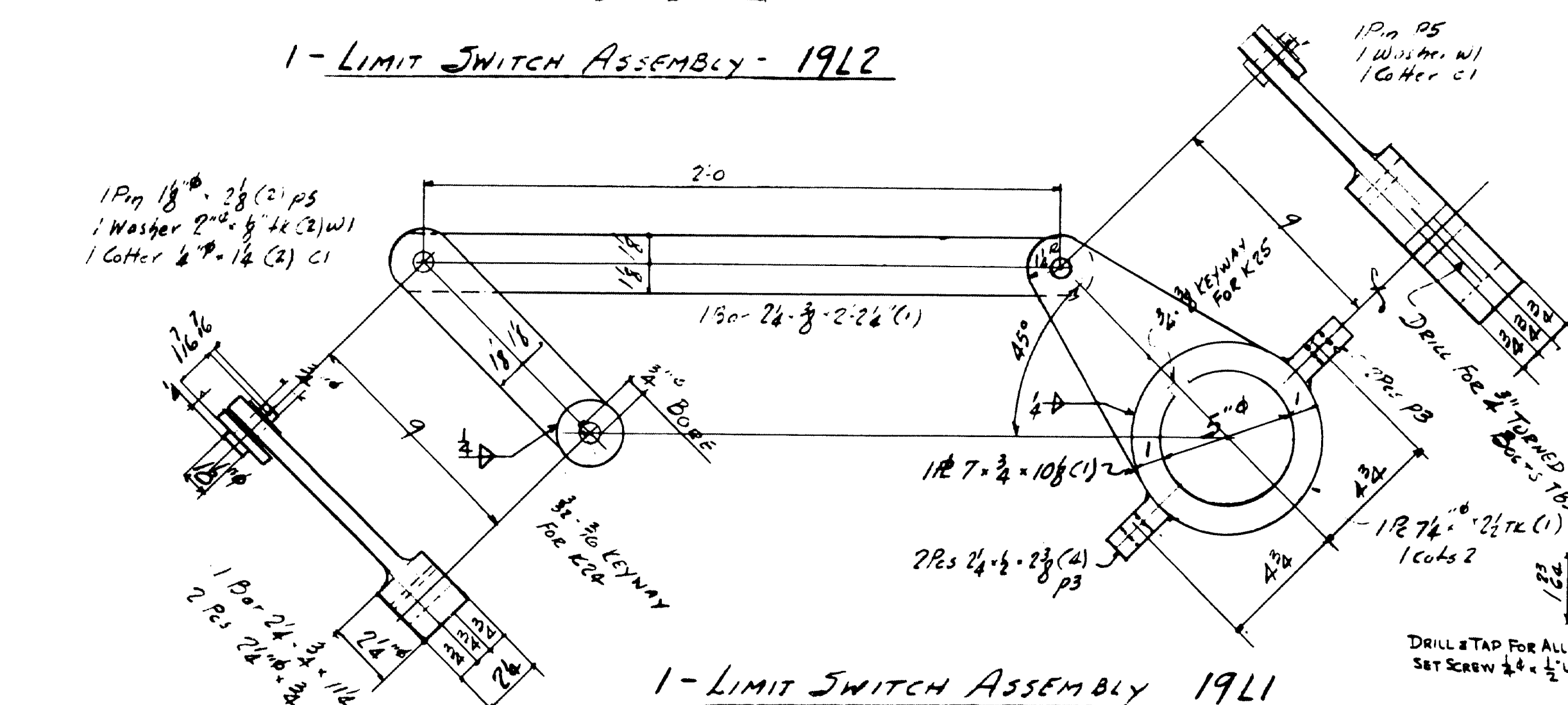


AFTER FINAL ADJUSTMENTS IN SHOP, MAKE ALL REMAINING SHIMS "EXTRA". ALL SHIMS TO BE MADE OF STRUCTURAL STEEL.

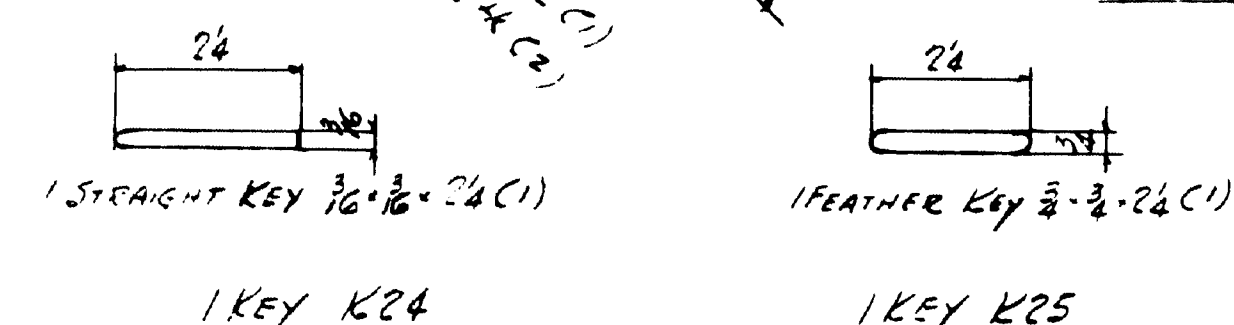
INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES 1/16" UNLESS NOTED			
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.					
STRUCTURE NAPLES BAY BRIDGE					
FOR STATE OF FLORIDA					
DETAILS OF STRUCTURAL SHIMS					
SPECIFICATIONS MARINE STEEL HIGHWAY BR 1945					
SHOP PAINT SEE PAINT NOTE - SHIT 1					
FIELD PAINT					
DATE	CHECKED BY	DATE	SQUAD FOREMAN		
10/1/45	R.M. HERSH	10/1/45	R.M.		
NO.	DATE	BY	DESCRIPTION		
1					
2					
3					
4					
5					
CONTRACT NO. 5980				SHEET NO. 18	



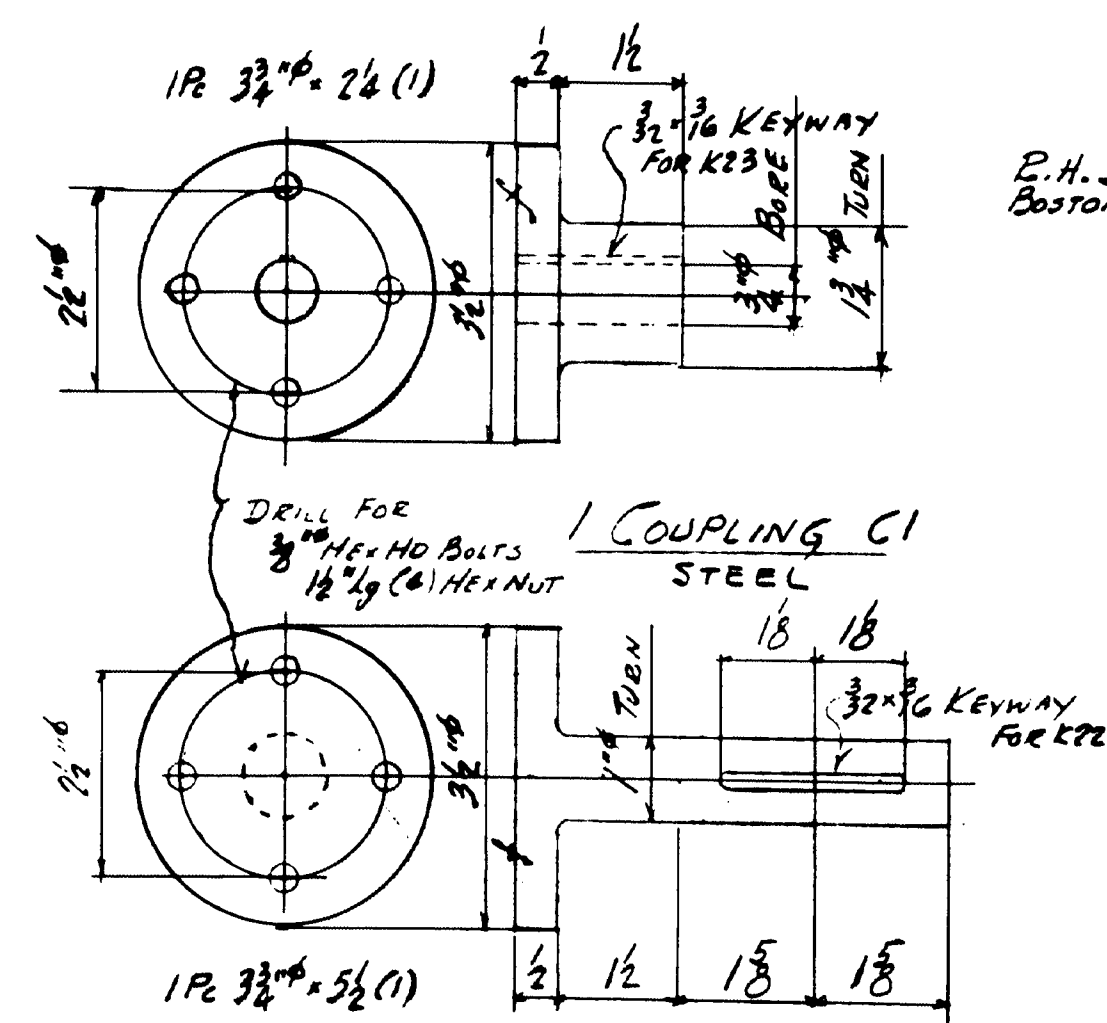
1 - LIMIT SWITCH ASSEMBLY - 1912



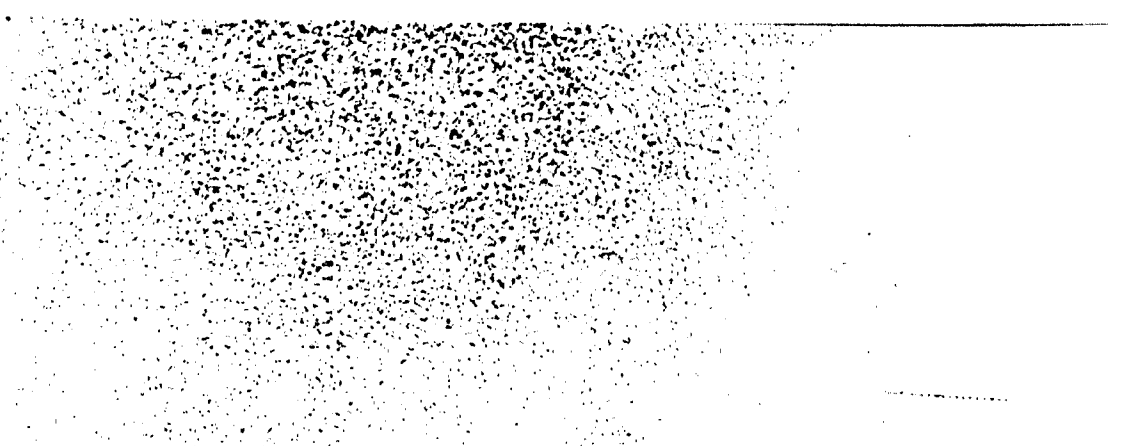
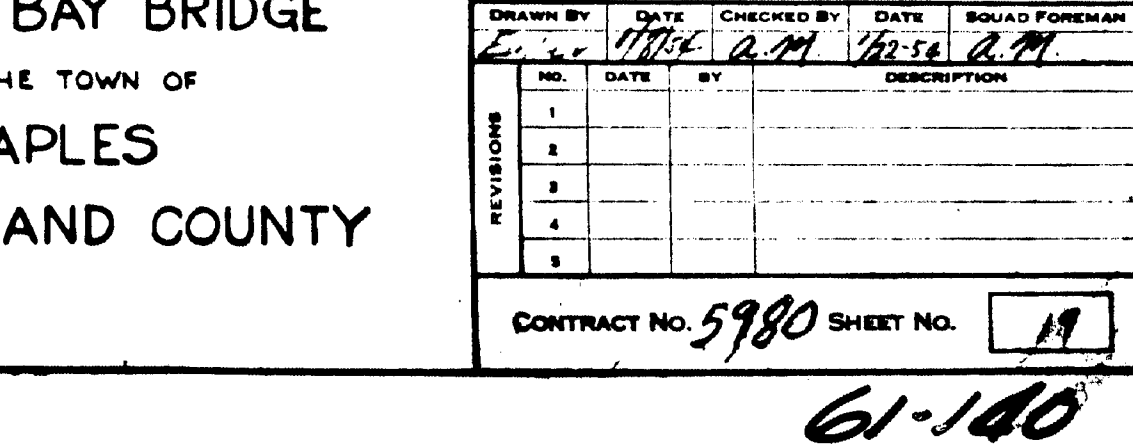
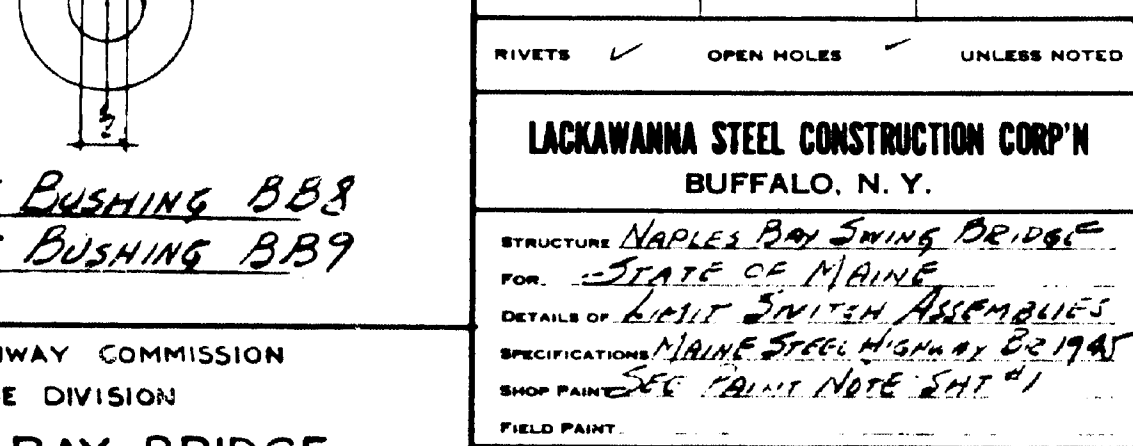
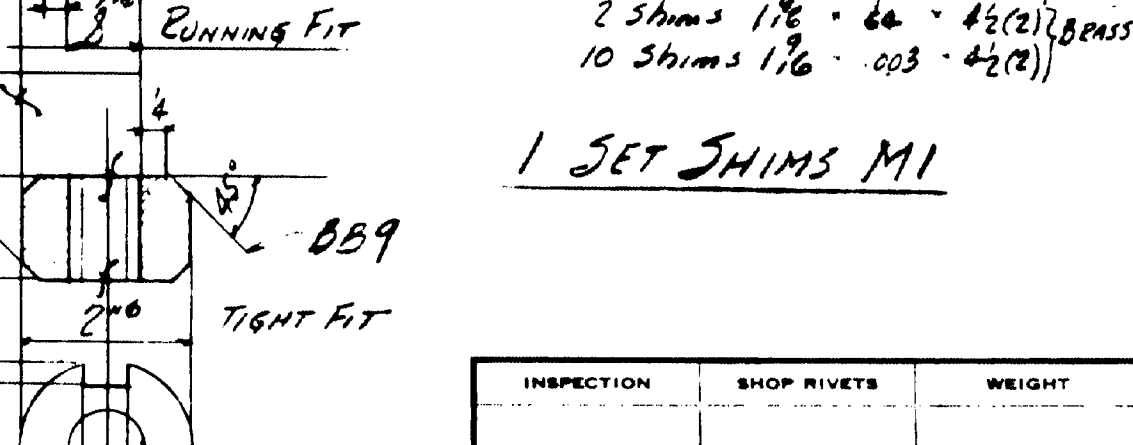
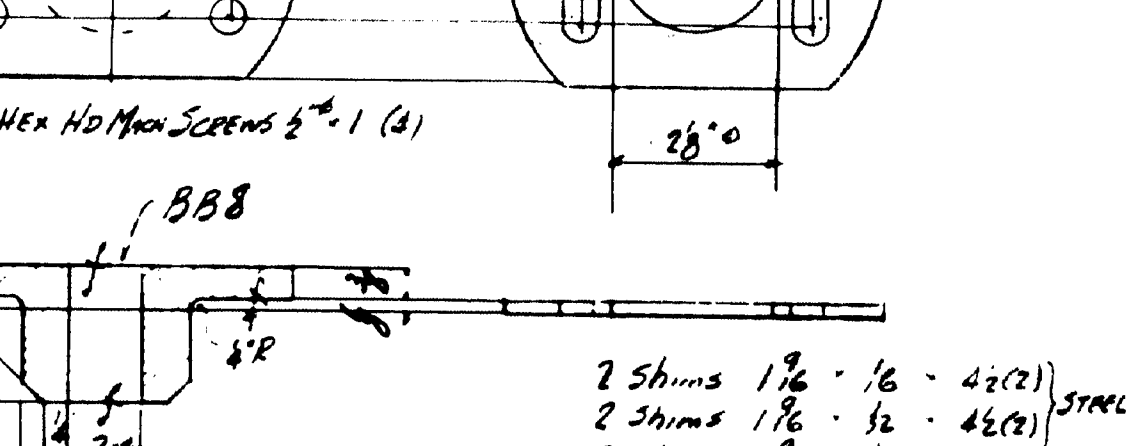
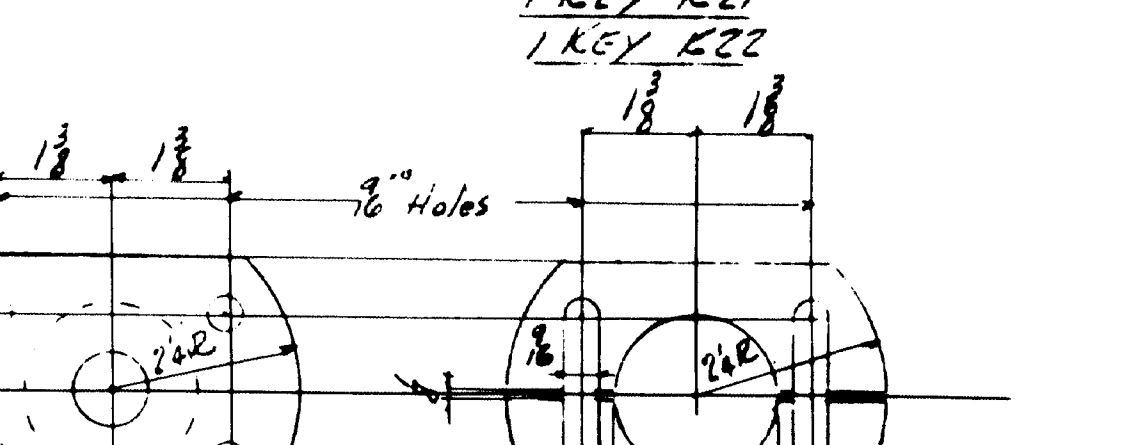
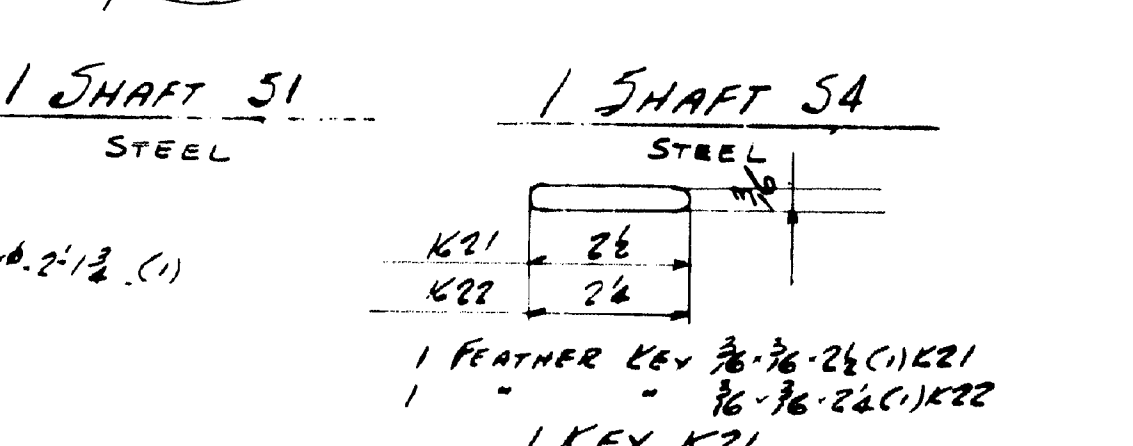
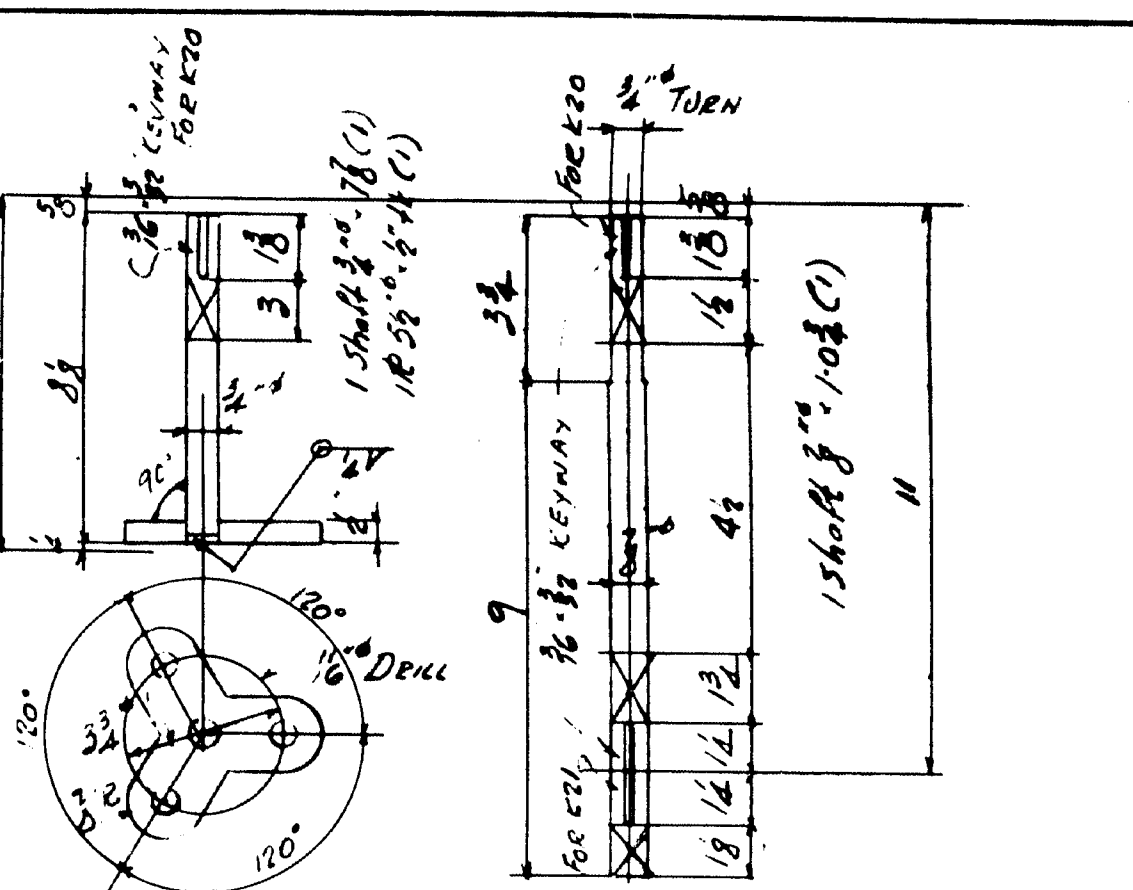
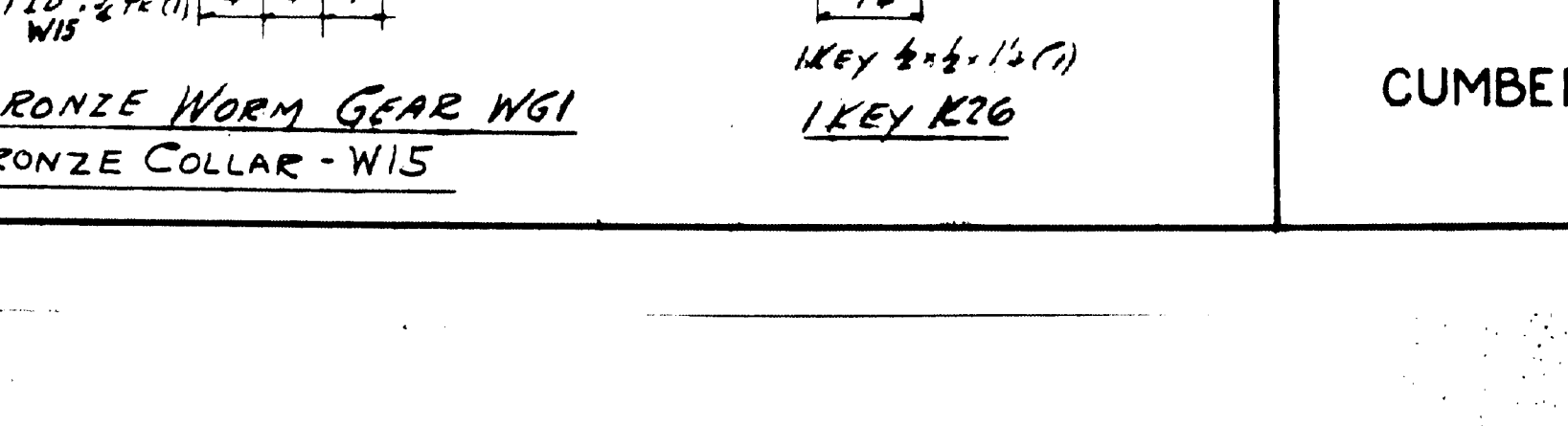
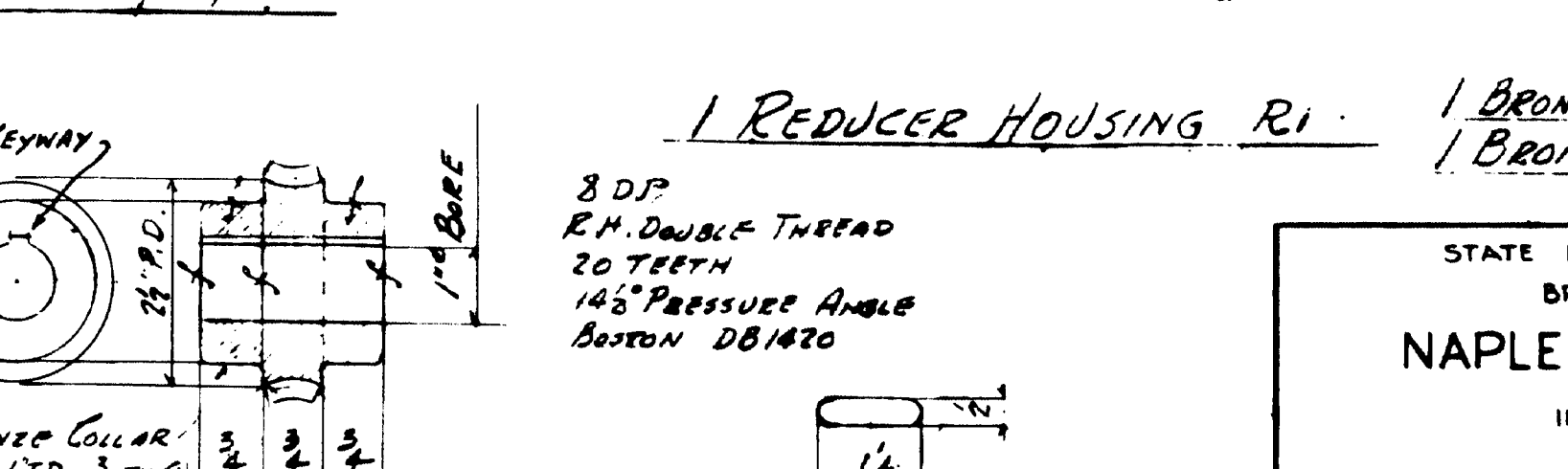
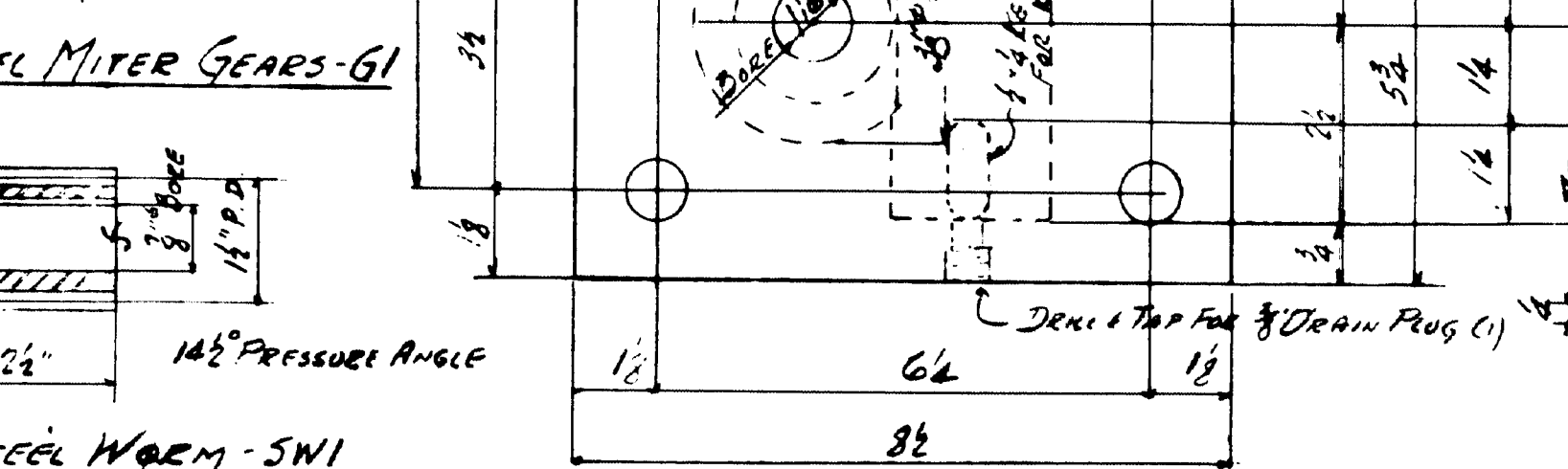
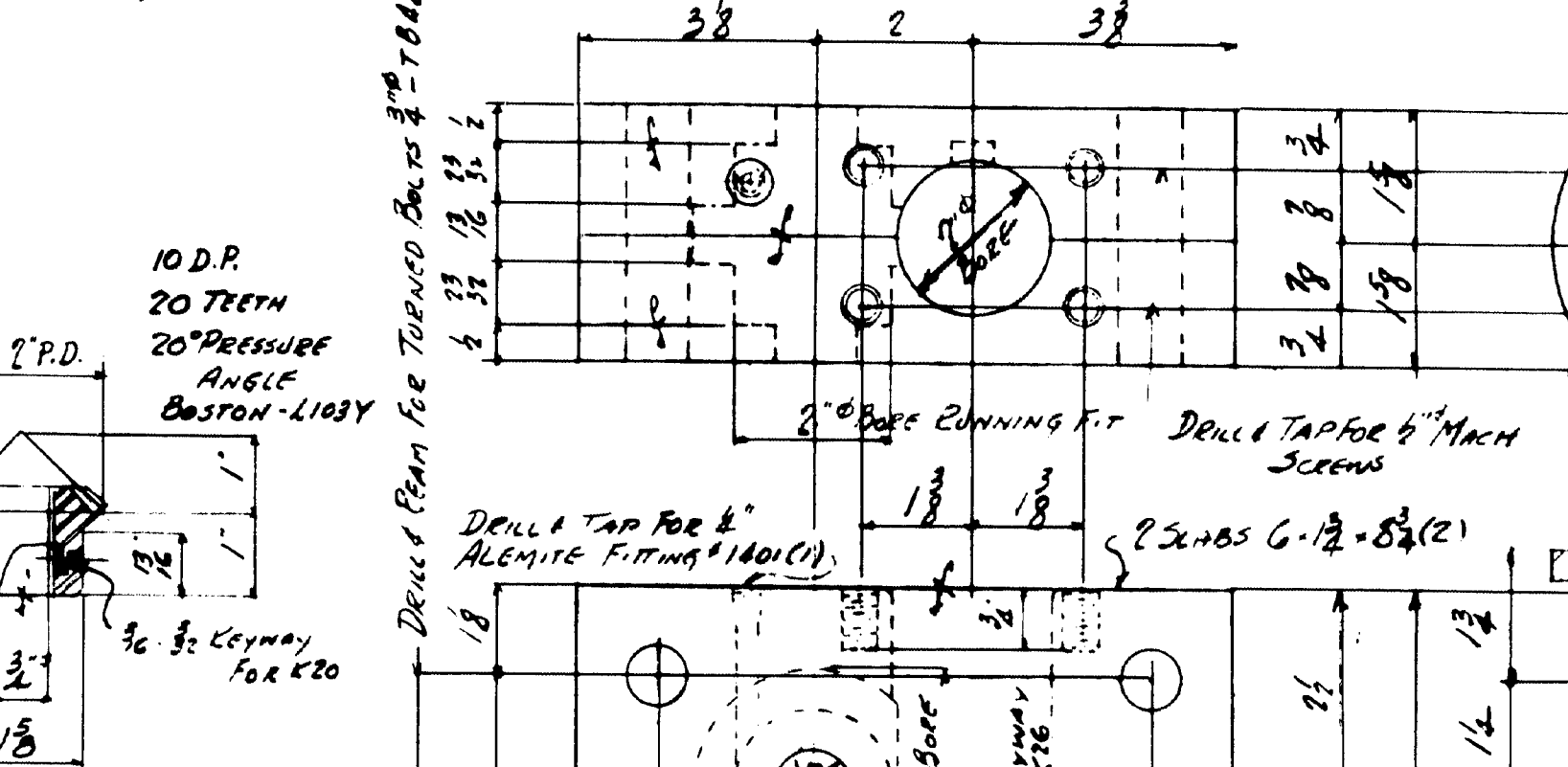
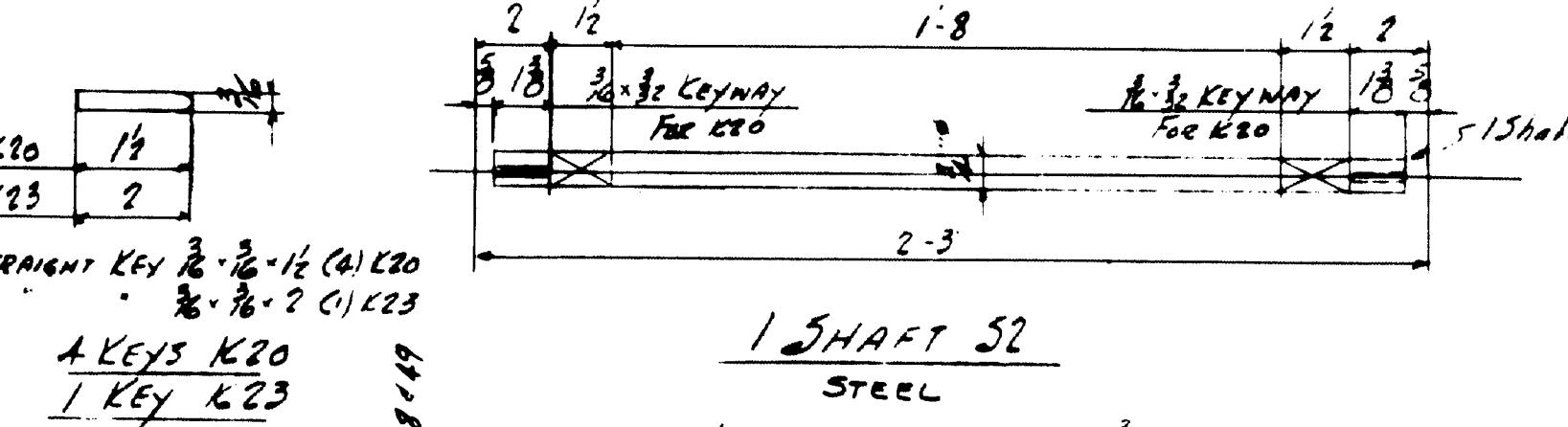
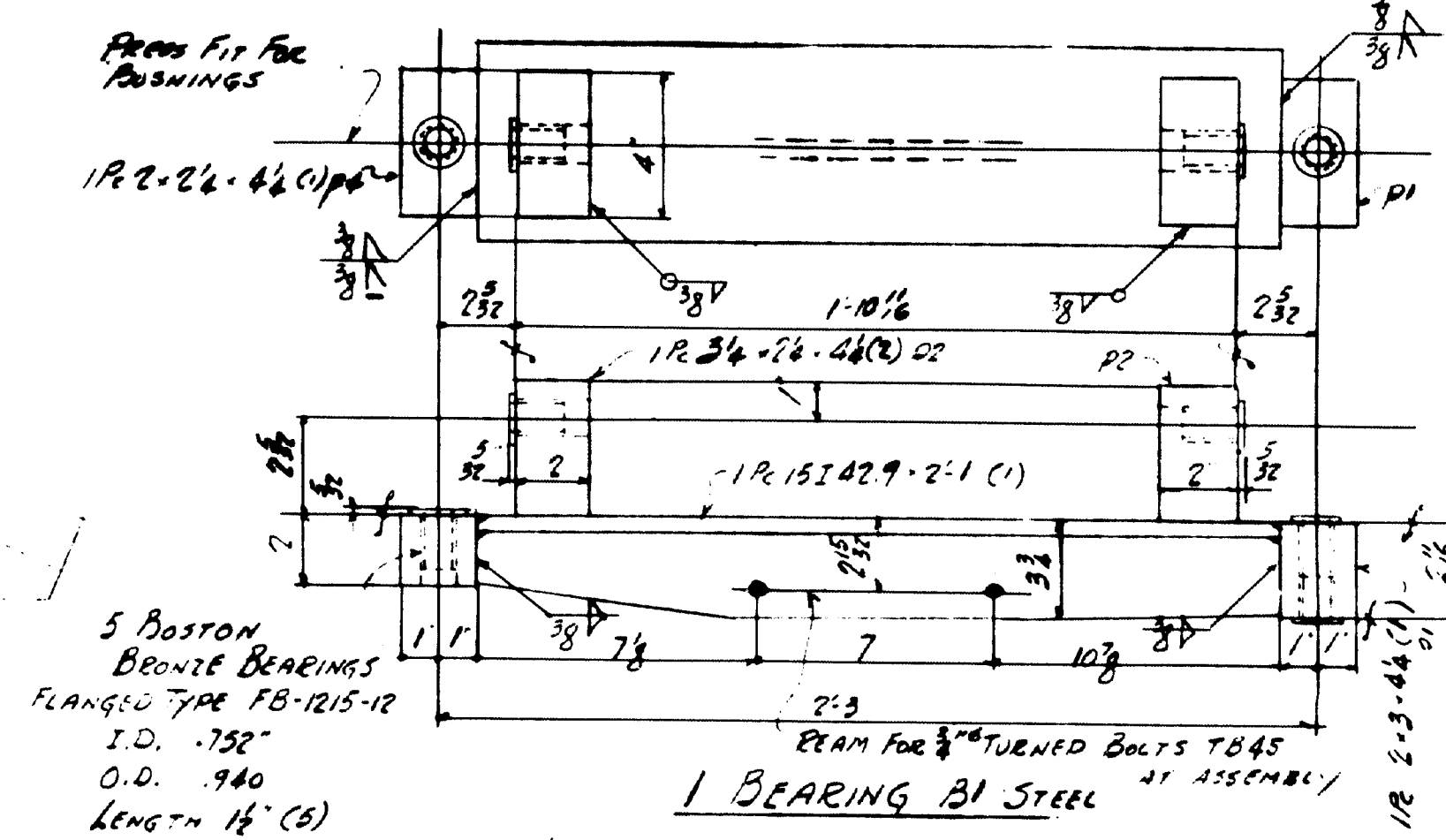
1 - LIMIT SWITCH ASSEMBLY 1911

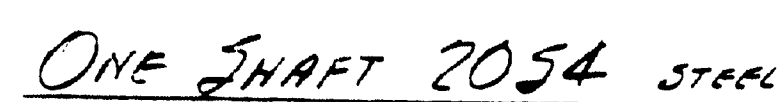
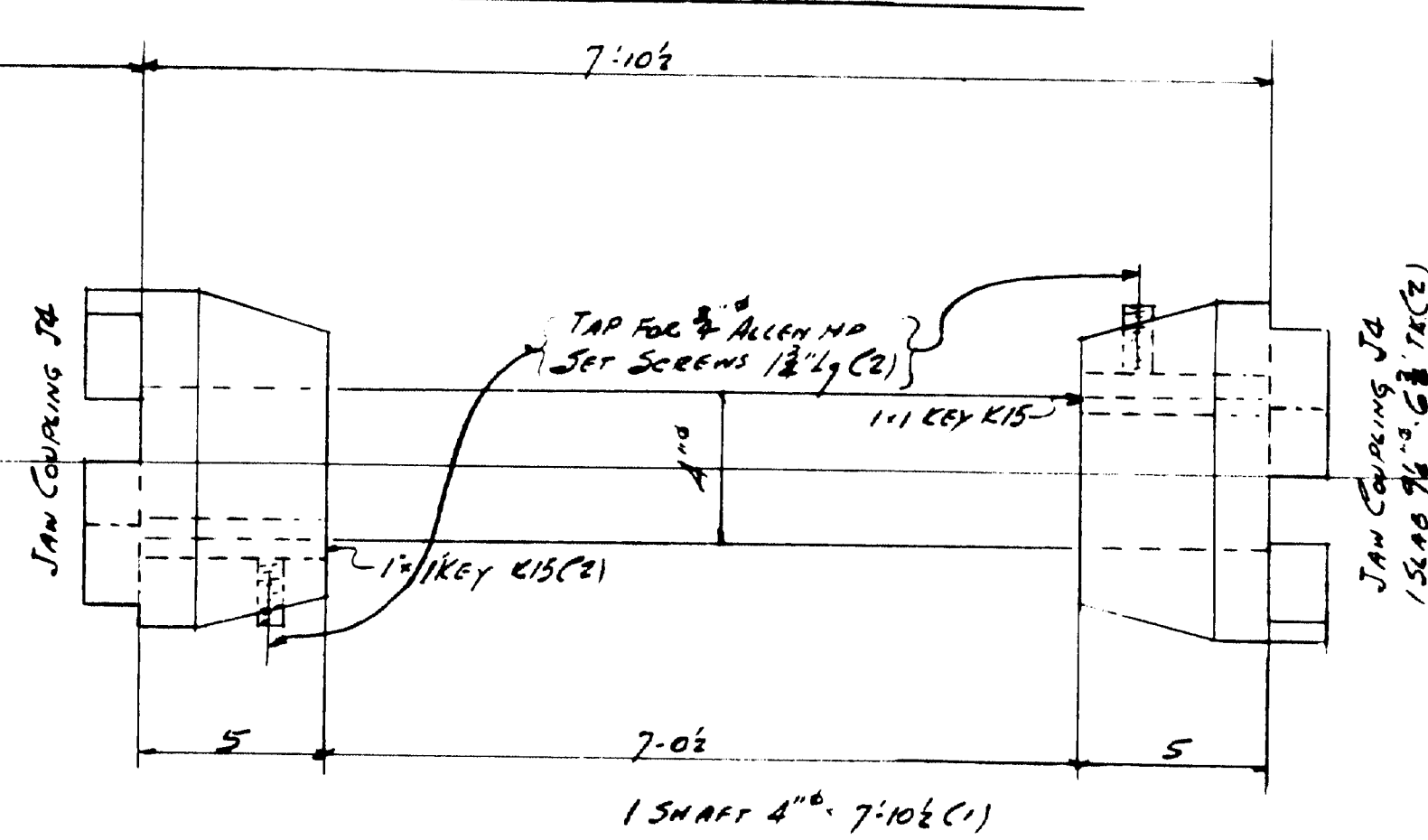
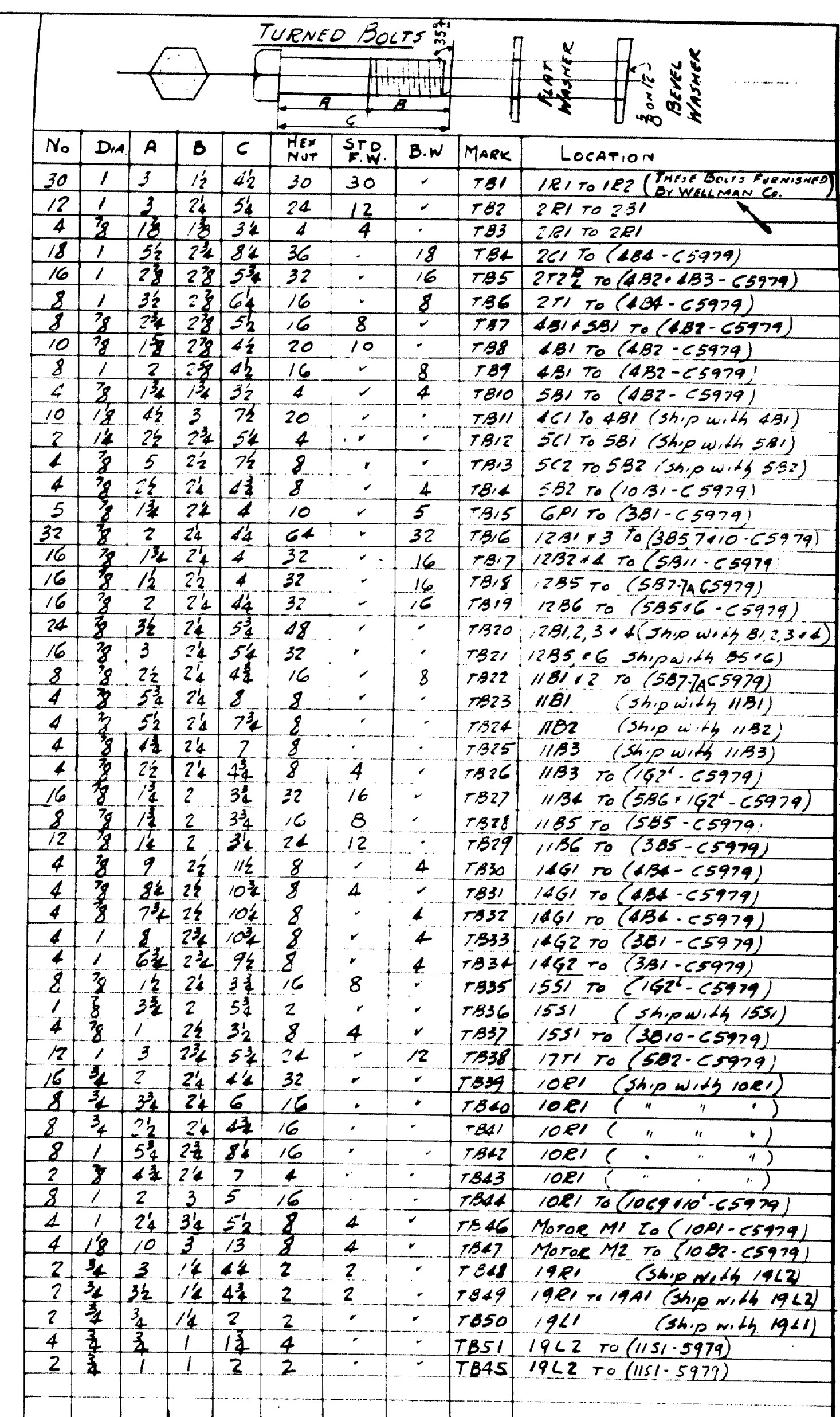


2 ANGLES A1
STEEL



1 - SHAFT-53
STEEL



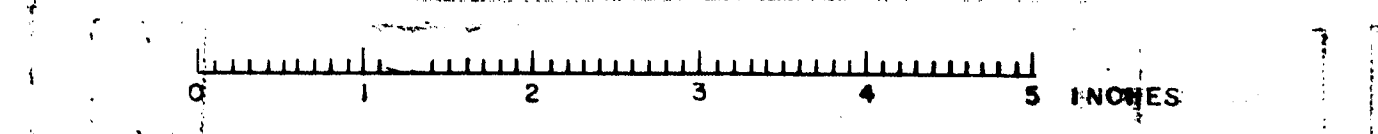


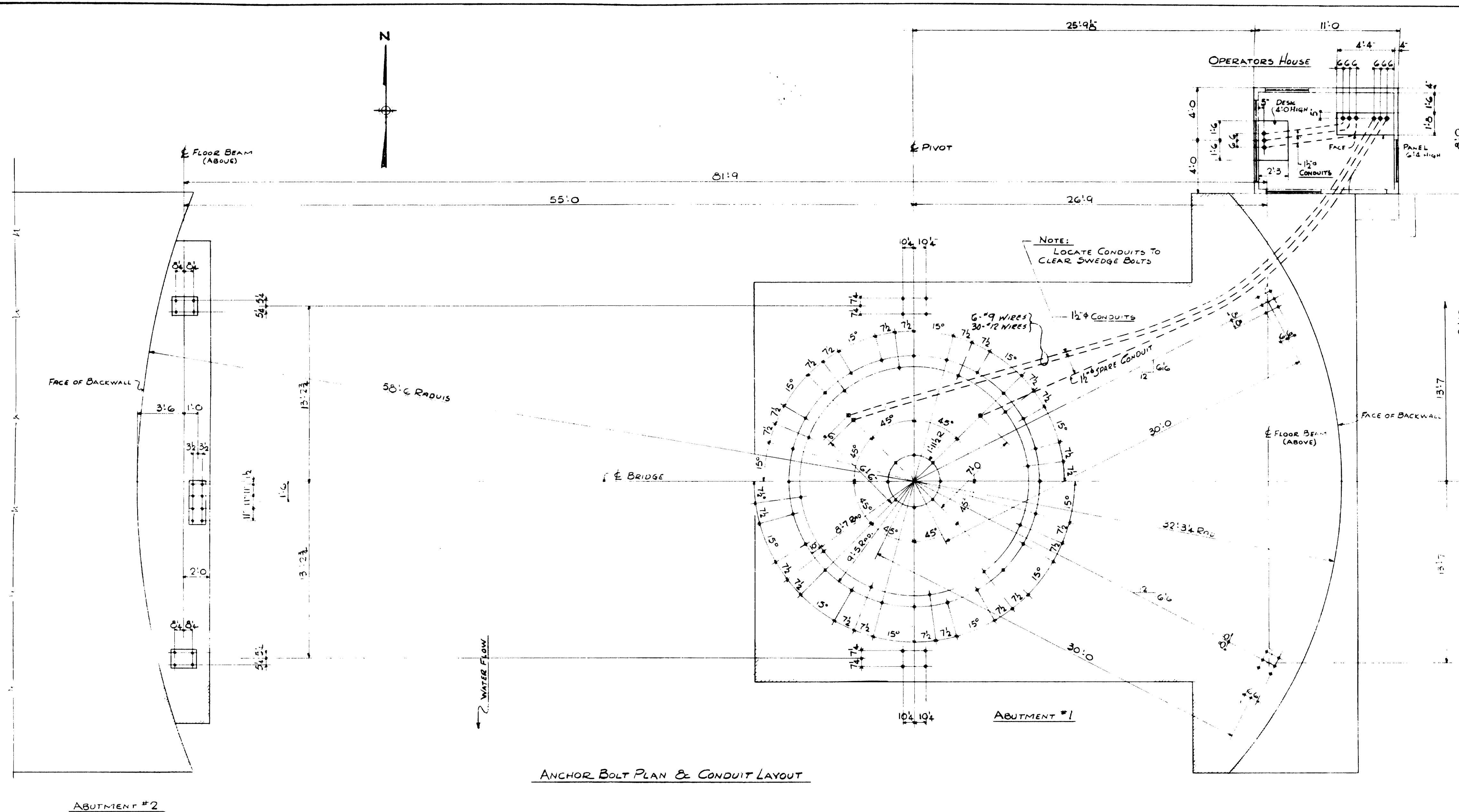
NOMINAL PEANED HOLE + BOLT DIA.	MIN DIA BOLT -	MAX DIA BOLT +
3/8	0.0012	0.0000
7/8	0.0012	0.0000
1	0.0013	0.0000
1 1/8	0.0014	0.0000
1 1/4	0.0014	0.0000

INSPECTION	SHOP RIVETS	WEIGHT		
RIVETS	OPEN HOLES	UNLESS NOTED		
<h2 style="margin: 0;">LACKAWANNA STEEL CONSTRUCTION CORP'N</h2> <h3 style="margin: 0;">BUFFALO, N. Y.</h3>				
STRUCTURE <u>NARVES BAY SWING BRIDGE</u> FOR <u>STATE OF MAINE</u> DETAILS <u>SHRILTS & TURNED BOLTS</u> SPECIFICATIONS <u>MAINE STEEL HIGHWAY BR. 1945</u> SHOP PAINT _____ FIELD PAINT _____				
DRAWN BY	DATE	CHECKED BY	DATE	SQUAD FOREMAN
<u>W. T. W.</u>	<u>10/15/45</u>	<u>R. M.</u>	<u>10/15/45</u>	<u>R. M.</u>
REVISES	NO.	DATE	BY	DESCRIPTION
1	1			
2	2			
3	3			
4	4			
CONTRACT NO. <u>5980</u> SHEET NO. <u>20</u>				

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

CONTRACT NO. 5980 SHEET NO. 20



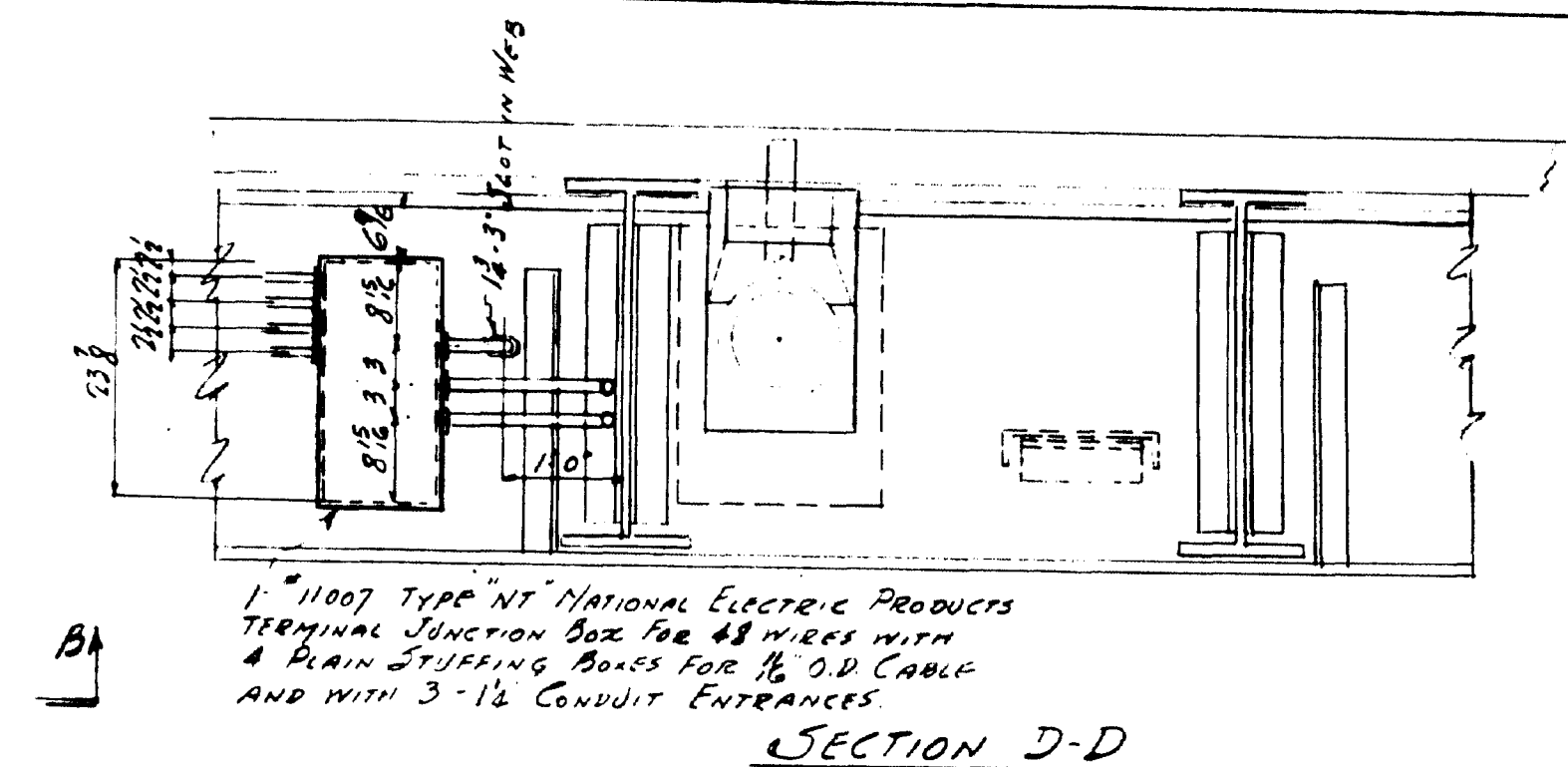


TERMINATE CONDUITS WITH COUPLINGS AND PLUG. TOP OF COUPLING TO BE FLUSH WITH TOP OF FINISHED CONCRETE. CONDUIT AND WIRING ONLY ARE TO BE FURNISHED BY ELECTRICAL ERECTOR.

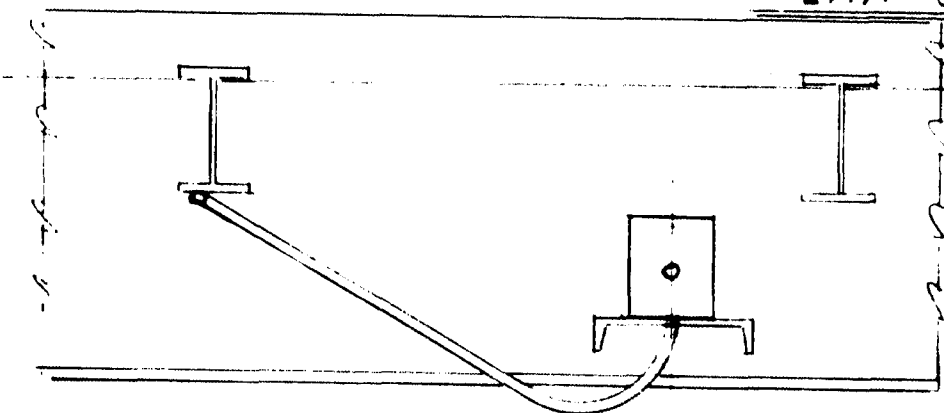
INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES		UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.					
STRUCTURE <i>NAPLES BAY SWING BRIDGE</i>					
FOR <i>STATE OF MAINE</i>					
DETAILS OF <i>CONDUIT LAYOUT</i>					
SPECIFICATIONS					
SHOP PAINT					
FIELD PAINT					
DRAWN BY		DATE		CHECKED BY	
<i>L.S.</i>		<i>12-4-53</i>		<i>A.M.</i>	
REVISIONS	NO.	DATE		BY	
	1				
	2				
	3				
	4				
DESCRIPTION					
CONTRACT NO. <i>5981</i> SHEET NO. <i>C1</i>					

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

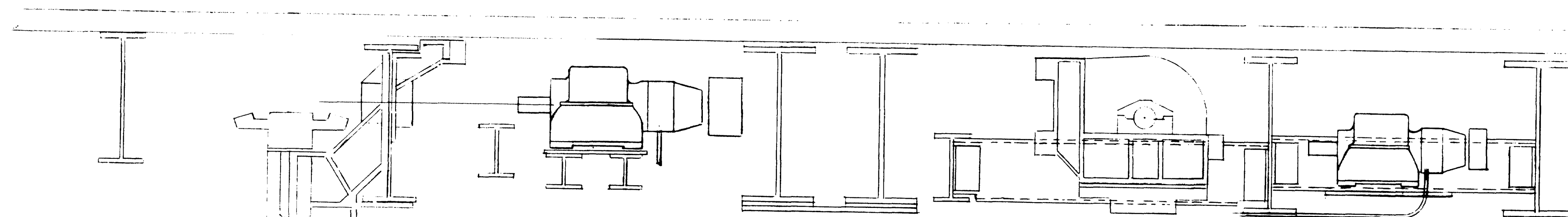
61-142



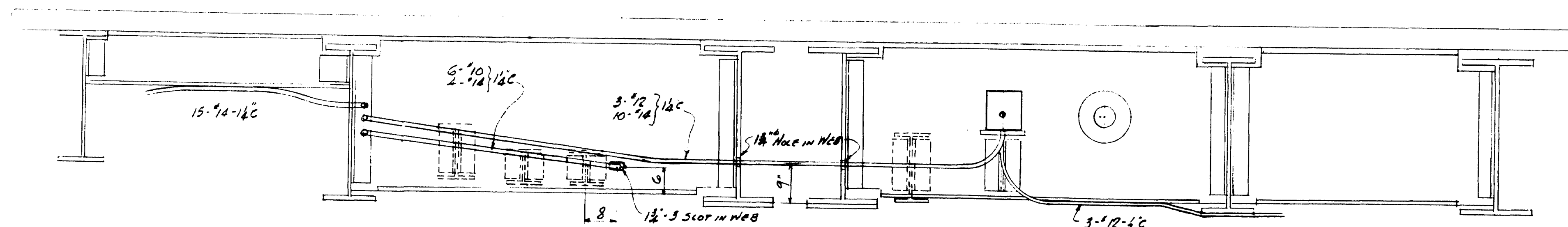
SECTION D-D



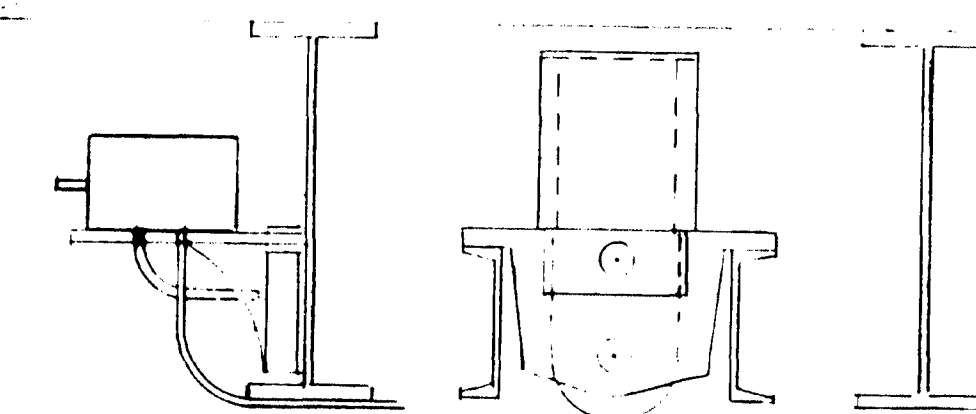
SECTION H-H



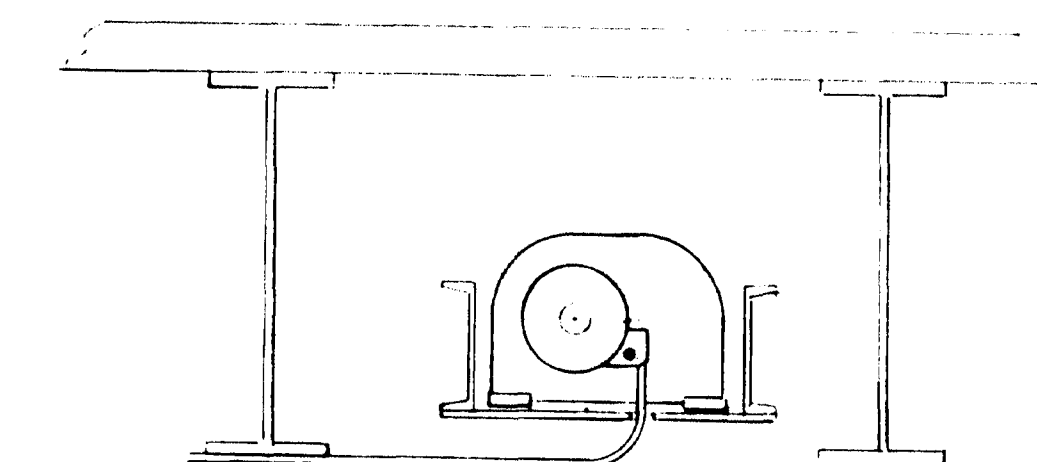
SECTION B-B



SECTION C-C



SECTION E-E



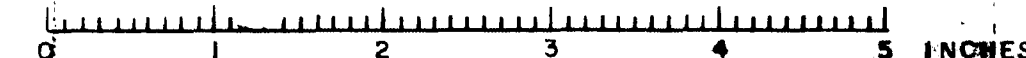
SECTION 6-6

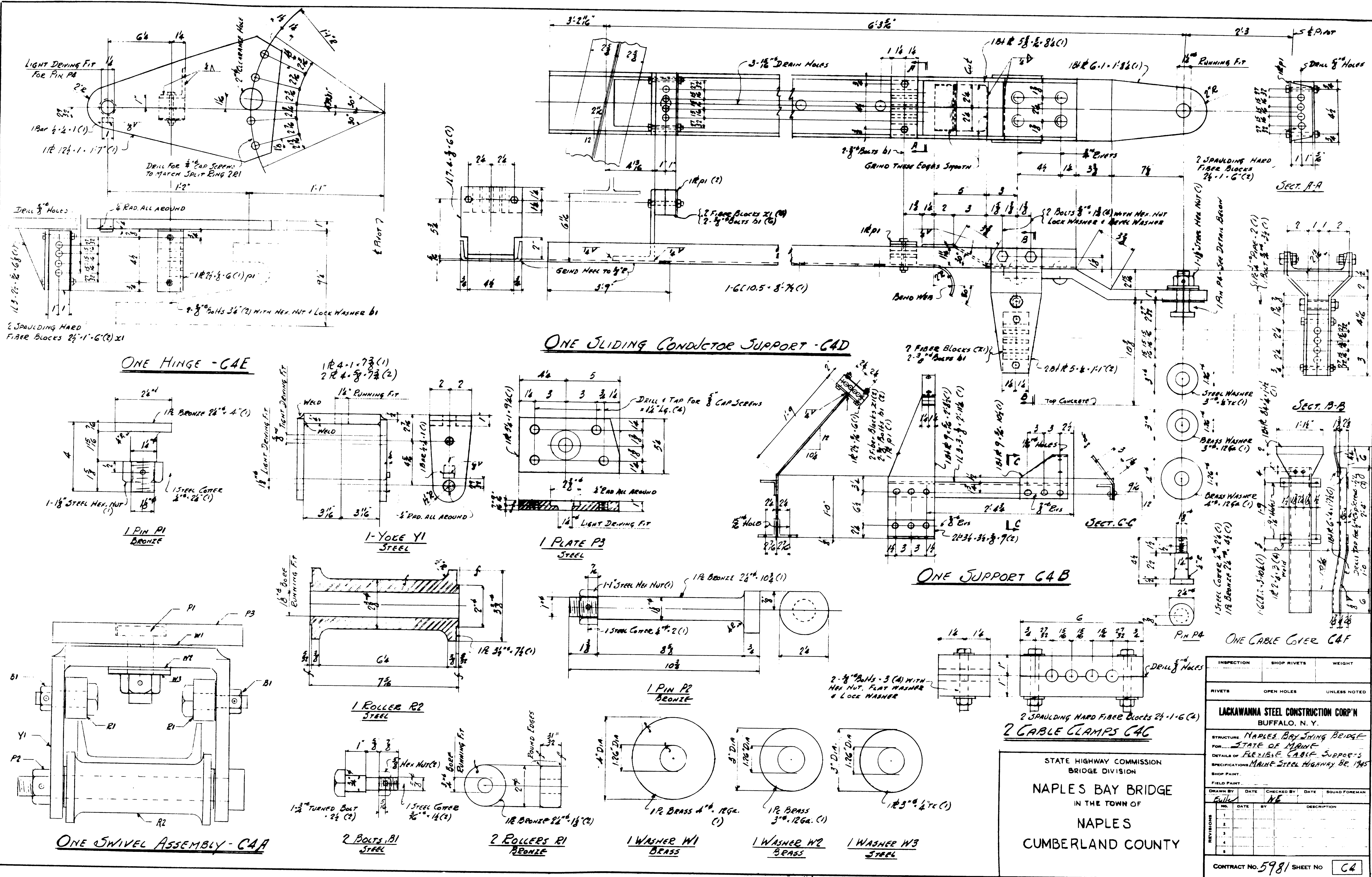
NOTE:
CONDUIT AND WIRING ONLY ARE
TO BE FURNISHED BY ELECTRICAL
ERECTOR.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
NAPLES BAY BRIDGE
IN THE TOWN OF
NAPLES
CUMBERLAND COUNTY

INSPECTION	SHOP RIVETS	WEIGHT		
RIVETS	OPEN HOLES	UNLESS NOTED		
<h2 style="margin: 0;">LACKAWANNA STEEL CONSTRUCTION CORP^N</h2> <h3 style="margin: 0;">BUFFALO, N. Y.</h3>				
STRUCTURE <u>NAPLES BAY SWING BRIDGE</u> FOR <u>STATE OF MAINE</u> DETAILS OF <u>CONDUIT LAYOUT</u> SPECIFICATIONS <u>MAINE STEEL HIGHWAY BRIDGE</u>				
SHOP POINT				
FIELD POINT				
DRAWN BY <u>C. J. W.</u> DATE _____ CHECKED BY _____ DATE _____ SQUAD FOREMAN _____				
REVISIONS	NO.	DATE	BY	DESCRIPTION
	1			
	2			
	3			
	4			
	5			
CONTRACT NO. <u>5981</u> SHEET NO. <u>62</u>				

61-143





INSPECTION		SHOP RIVETS		WEIGHT	
RIVETS		OPEN HOLES		UNLESS NOTED	
LACKAWANNA STEEL CONSTRUCTION CORP'N BUFFALO, N. Y.					
STRUCTURE: NAPLES BAY SWING BRIDGE					
FOR: STATE OF FLORIDA					
DETAILS OF: FLEXIBLE CABLE SUPPORTS					
SPECIFICATION: MAIN STEEL HIGHWAY BR. 1945					
SHOP PAINT:					
FIELD PAINT:					
DRAWN BY	DATE	CHECKED BY	DATE	SQUAD FOREMAN	
Full	NE				
NO.	DATE	BY	DESCRIPTION		
1					
2					
3					
4					
5					
CONTRACT NO. 5981 SHEET NO. C4					

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