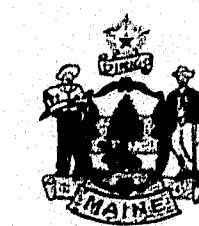
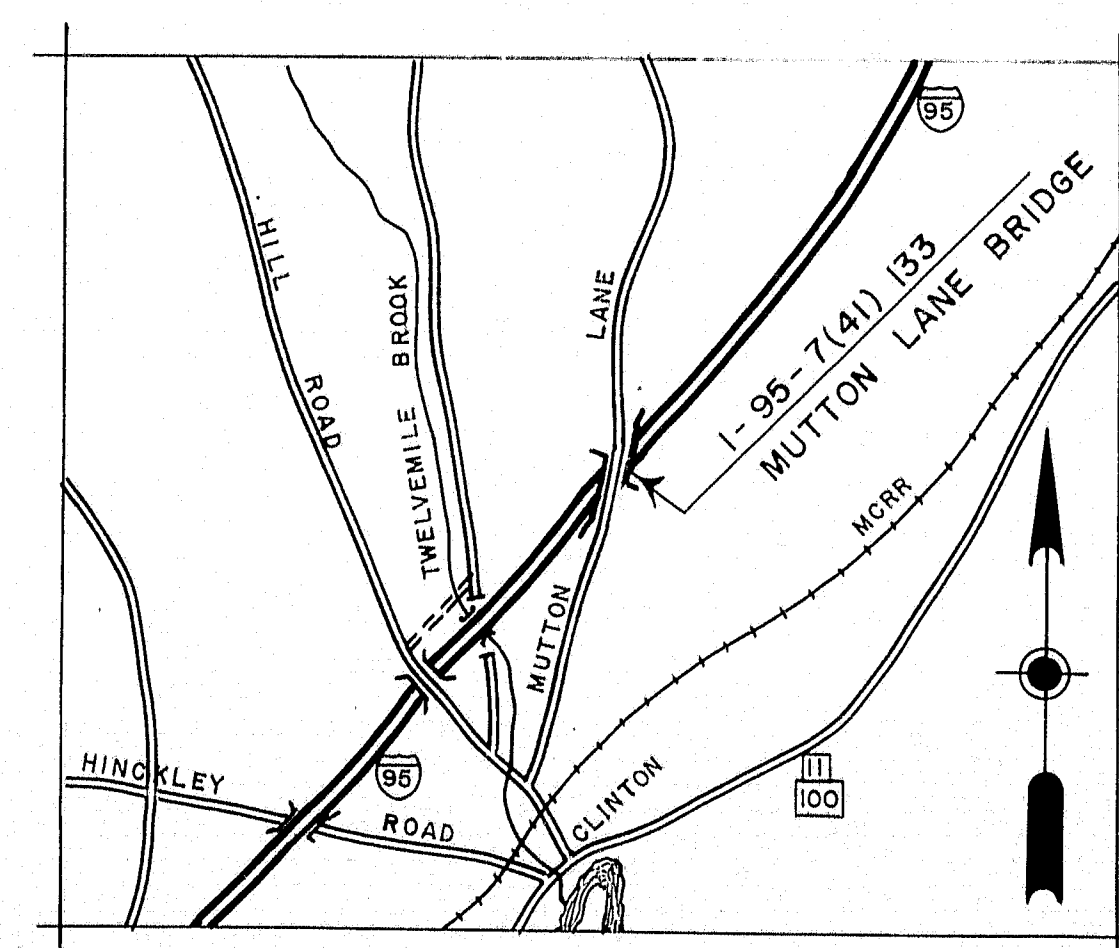


STATE OF MAINE
STATE HIGHWAY COMMISSION



MUTTON LANE BRIDGE
OVER
INTERSTATE 95
IN THE TOWN OF
CLINTON
KENNEBEC COUNTY
FEDERAL AID PROJECT NO. I-95-7(41) 133



LOCATION MAP
APPROX. SCALE - 1" = 1 MILE

INDEX OF SHEETS

- 1 TITLE SHEET
- 2,3 FOUNDATION SURVEY
- 4 THRU 7 SURVEY SCALES—HORIZONTAL 1"=50'
- 8 THRU 17 CROSS SECTIONS—SCALE 1"=5'
- 18 GENERAL PLAN & QUANTITIES
- 19 ABUTMENT NO. 1
- 20 ABUTMENT NO. 1, REINFORCING & FOOTING PLAN
- 21 ABUTMENT NO. 2
- 22 ABUTMENT NO. 2, REINFORCING & FOOTING PLAN
- 23 PIERS
- 24 ERECTION DIAGRAM
- 25 STRUCTURAL STEEL
- 26 SUPERSTRUCTURE SPAN 1
- 27 SUPERSTRUCTURE INTERIOR SPANS
- 28 SUPERSTRUCTURE SPAN 7
- 29 REINFORCING STEEL SCHEDULE
- 30 SLOPE PAVING & APPROACH SLABS

STANDARD DETAIL SHEETS

- BD 101-62 BEARING PEDESTAL
- BD 102-62 BRIDGE RAIL
- BD 103-62 BEAM SPLICES
- BD 104-62 DIAPHRAGMS, ARMORED JOINT, SHEAR CONNECTORS, DRAIN
- 3-62 MISCELLANEOUS ITEMS
- 2-62 GUARD RAIL

TRAFFIC

A.D.T. 1962 200
A.D.T. 1975 255
A.D.T. 1982 280
D.H.V. 42
T 11 %
D 60 %
V 50 MPH

APPROVED
MAINE STATE HIGHWAY COMMISSION

David W. Sturges
CHAIRMAN
Charles E. Thibault
Robert Williams
CHIEF ENGINEER
4-10-63
DATE

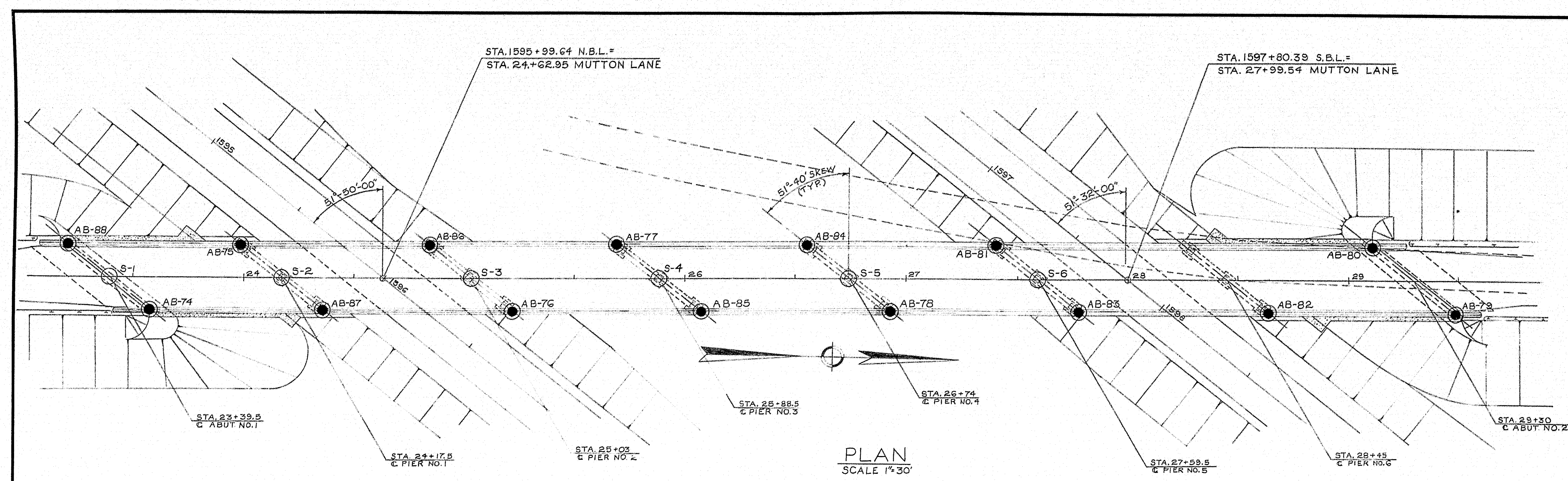
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

REGION 1

APPROVED

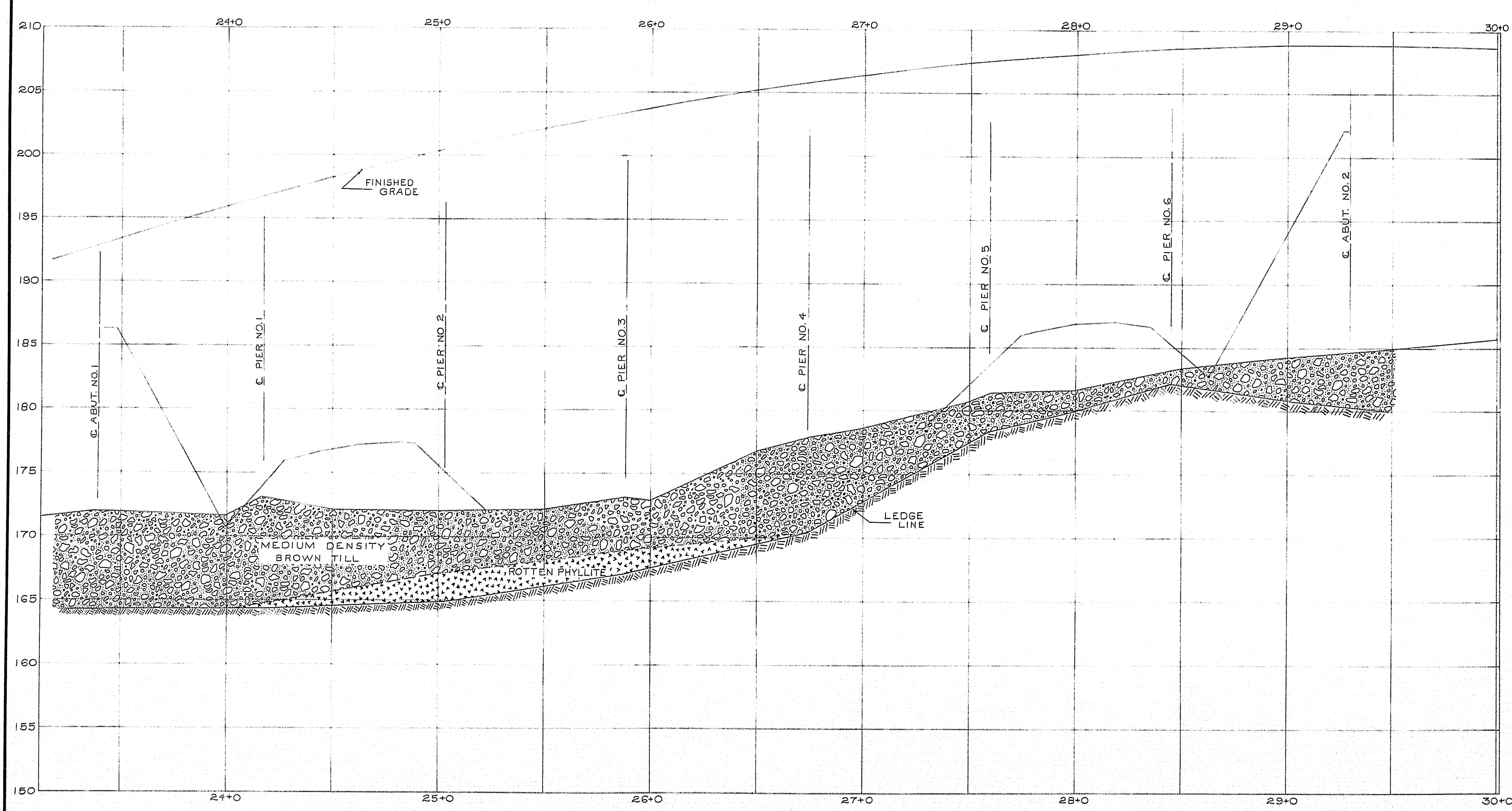
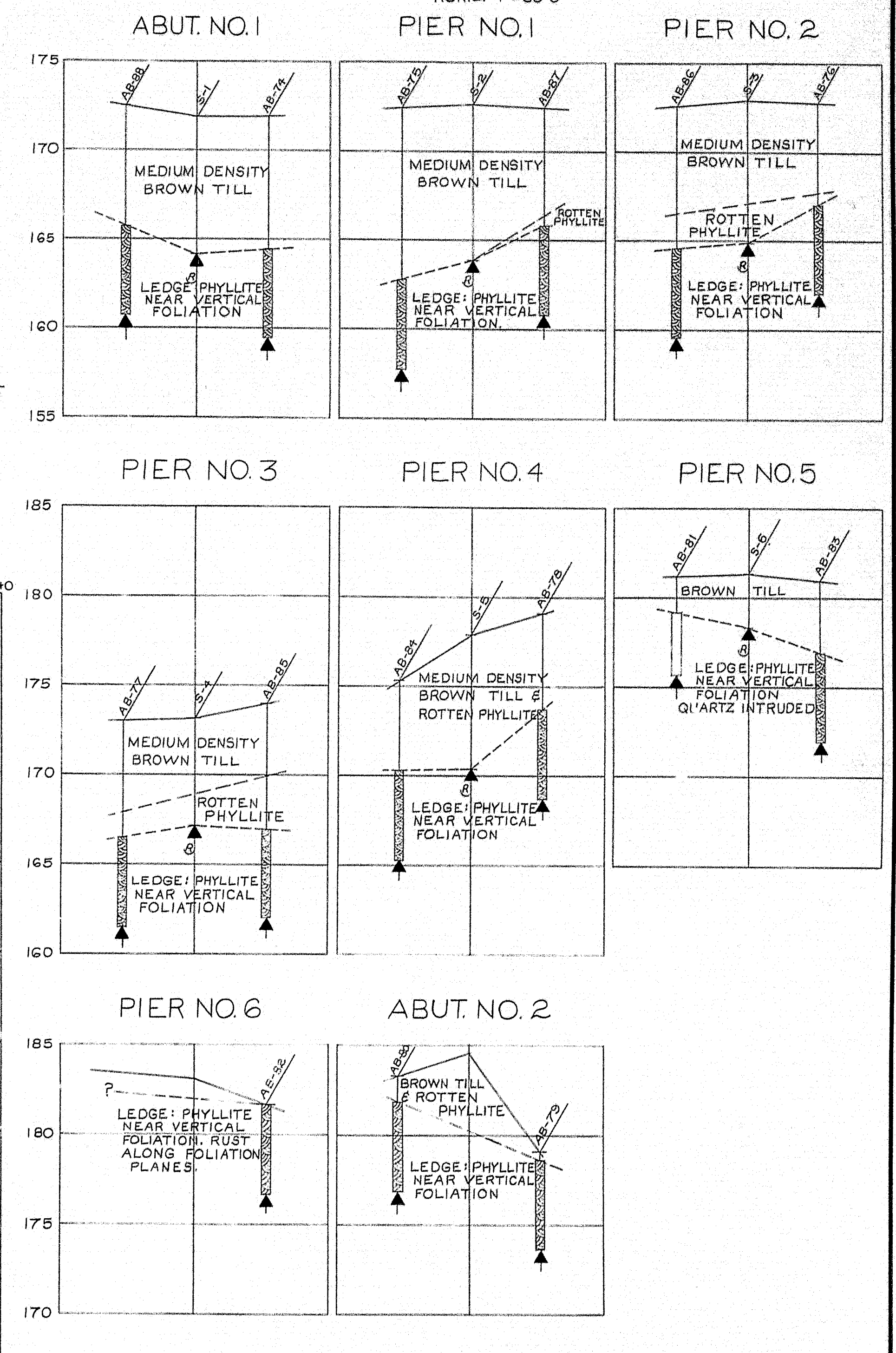
DIVISION ENGINEER DATE

| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | J-95-7(41) | 2 | 30 |



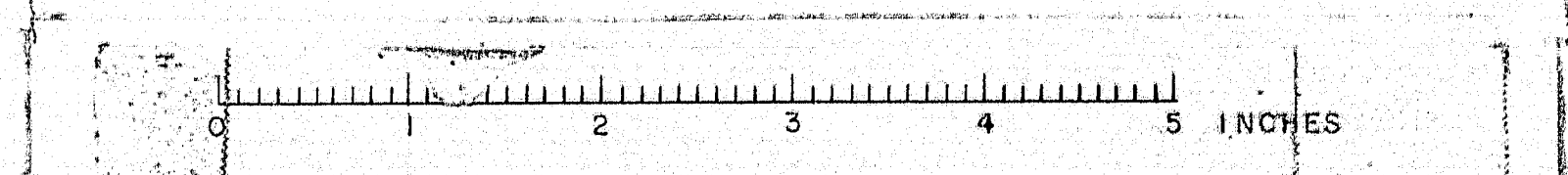
TRANSVERSE PROFILES

SCALE: VERT. 1"=5'-0"
HORIZ. 1"=30'-0"

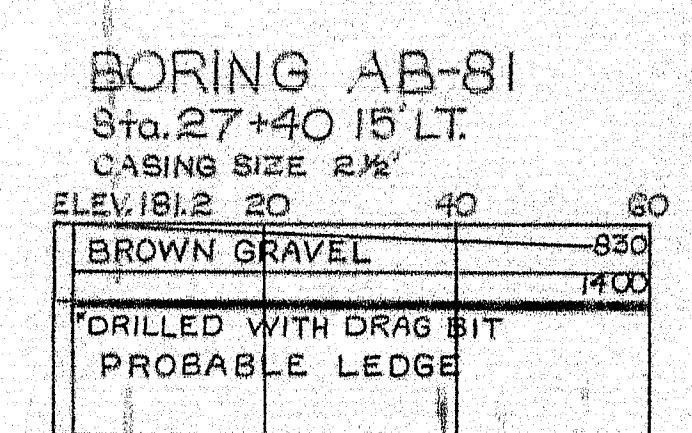
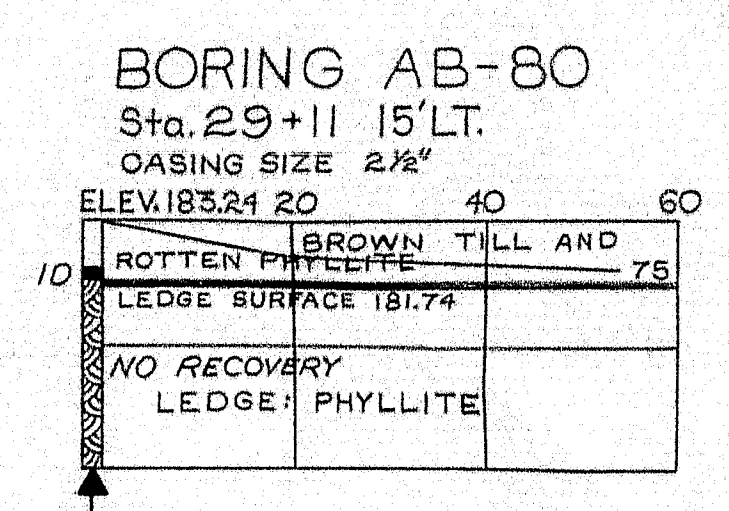
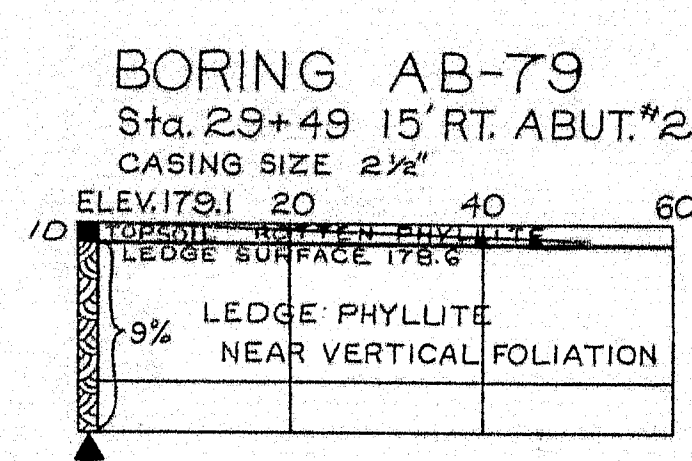
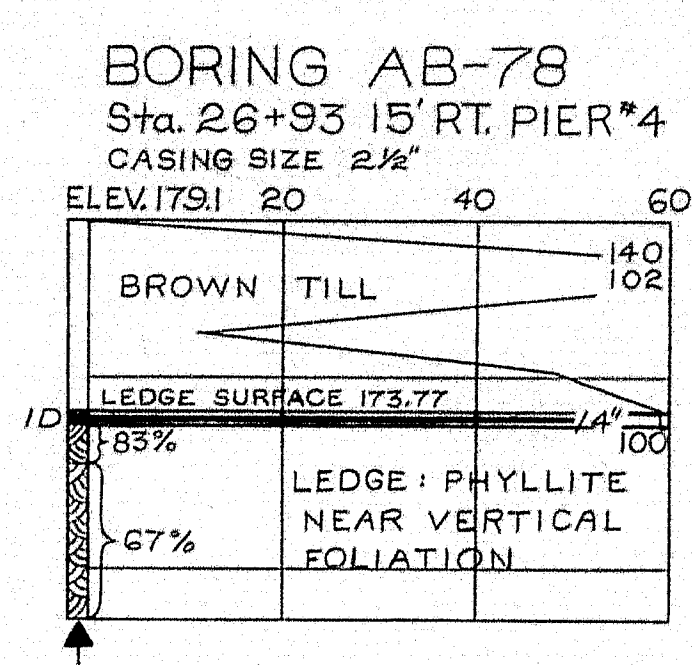
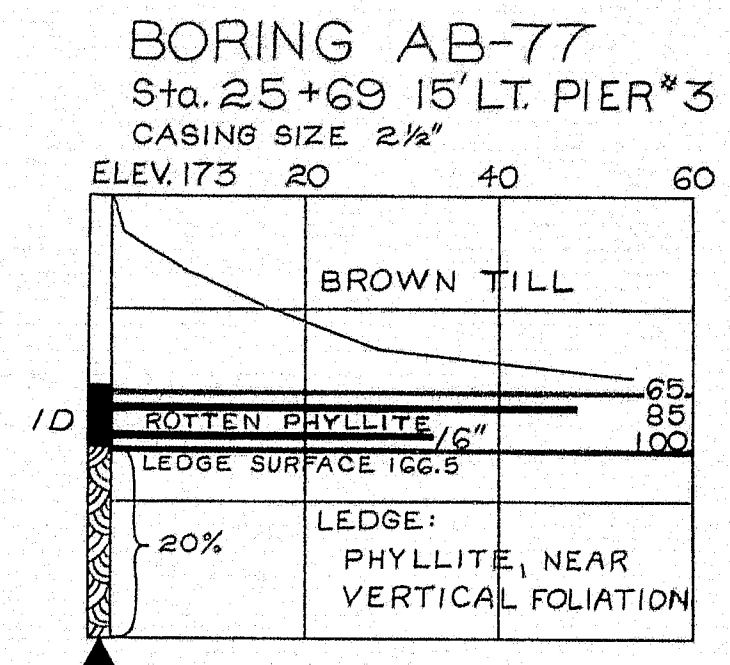
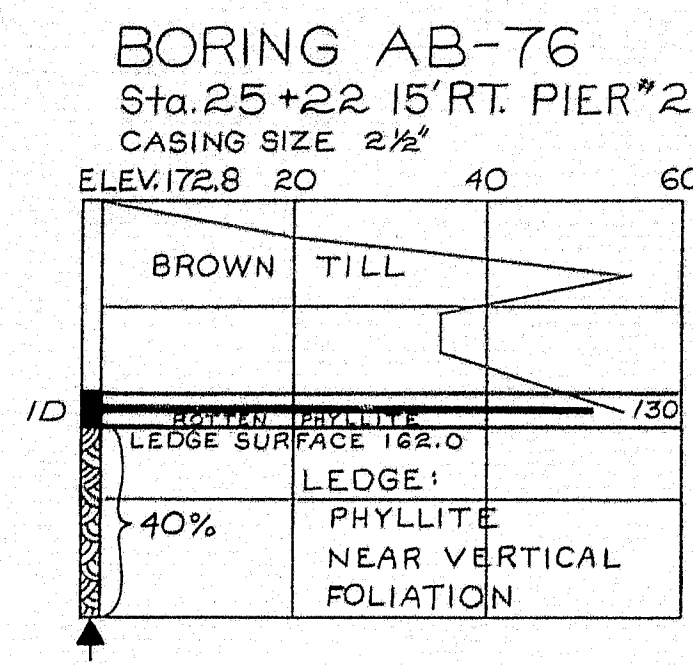
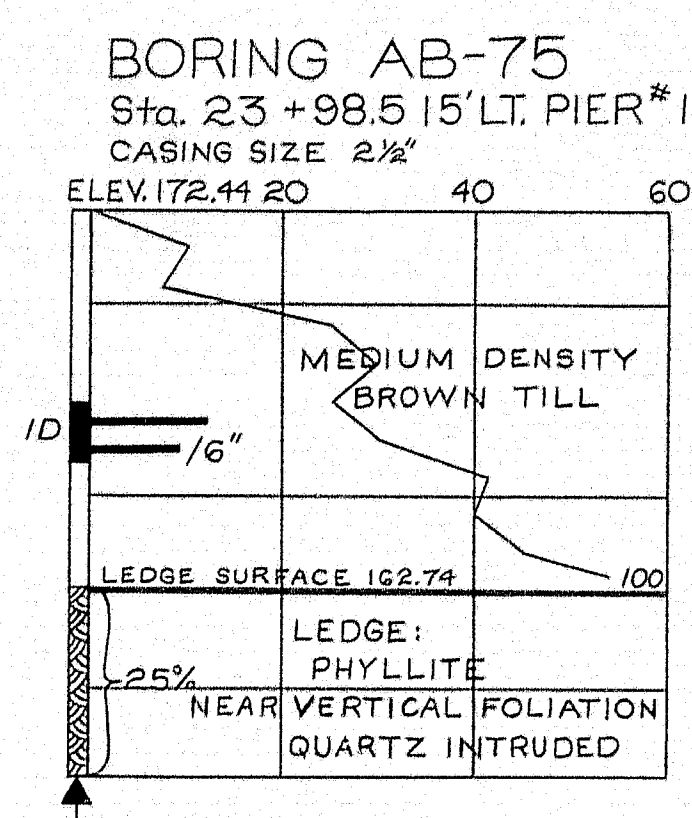
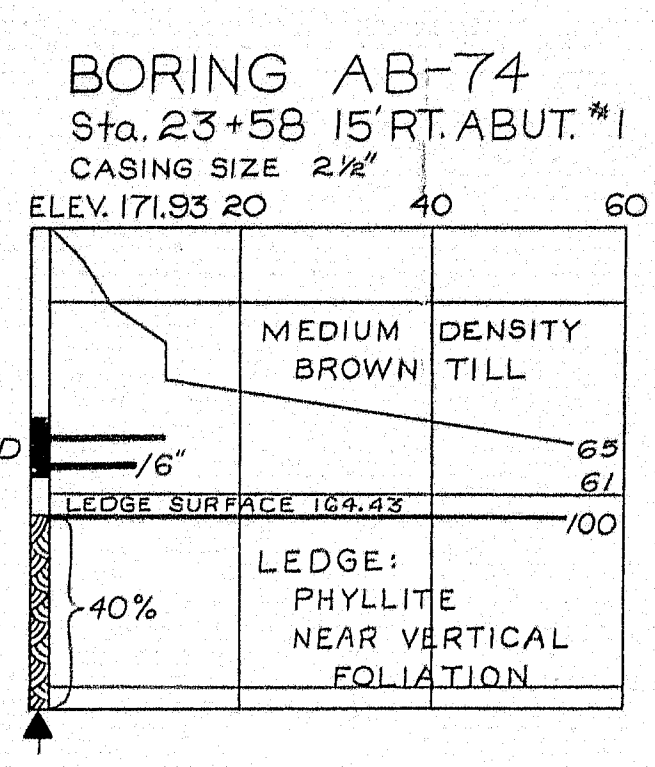


| | |
|---|--------------------------------|
| DESIGN— TRACE— CHECK— | BRIDGE NO. SURVEY— PLOT— |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION MUTTON LANE BRIDGE OVER INTERSTATE 95 IN THE TOWN OF CLINTON KENNEBEC COUNTY FOUNDATION SURVEY | |
| SHEET 2 OF 30 AUGUSTA, MAINE MARCH 1963 | |

FIELD REVISIONS - None

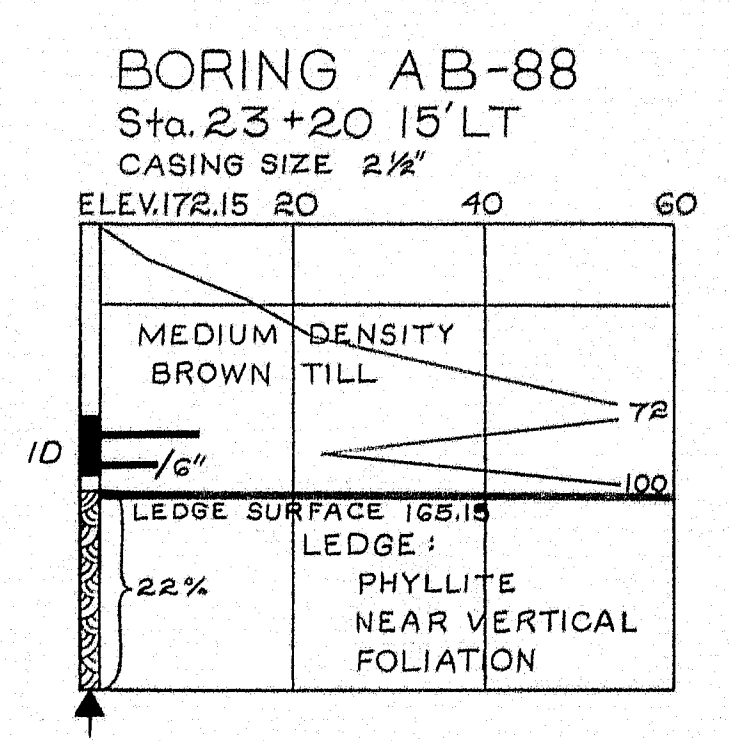
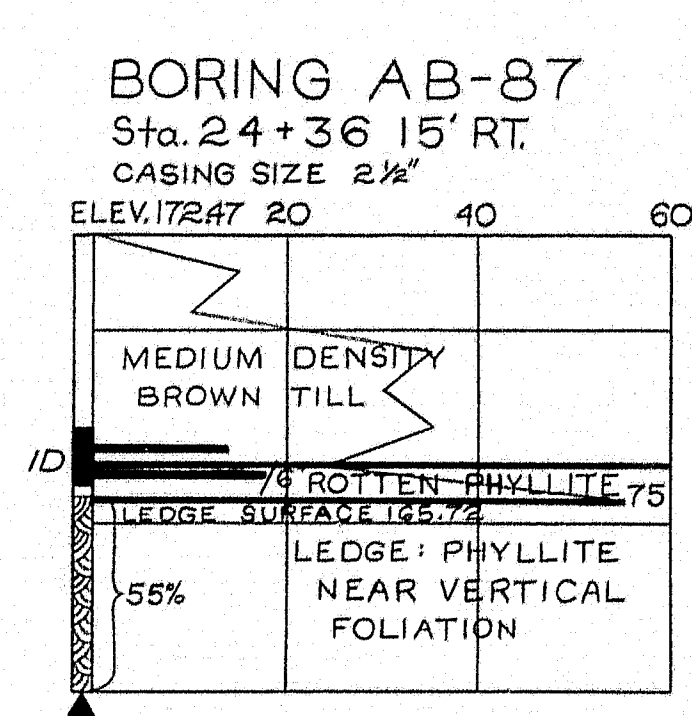
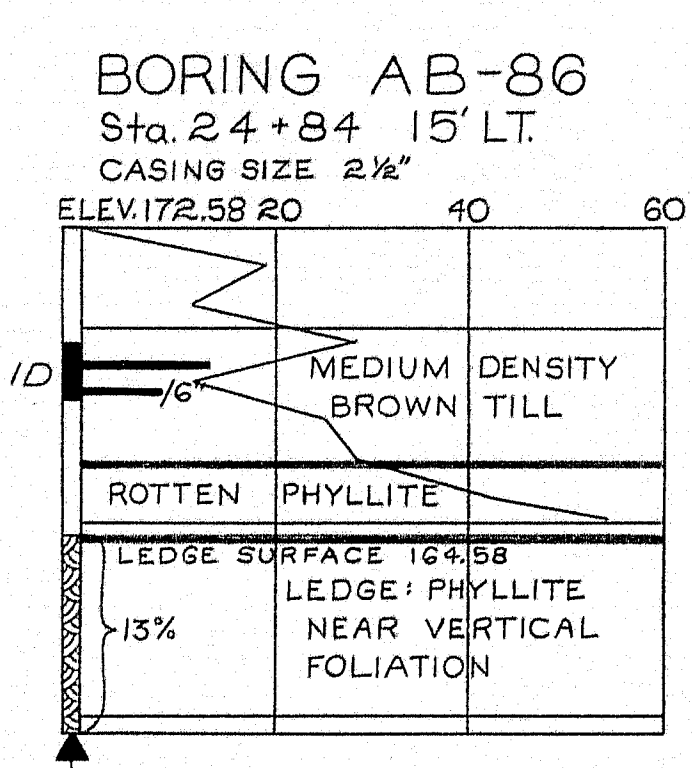
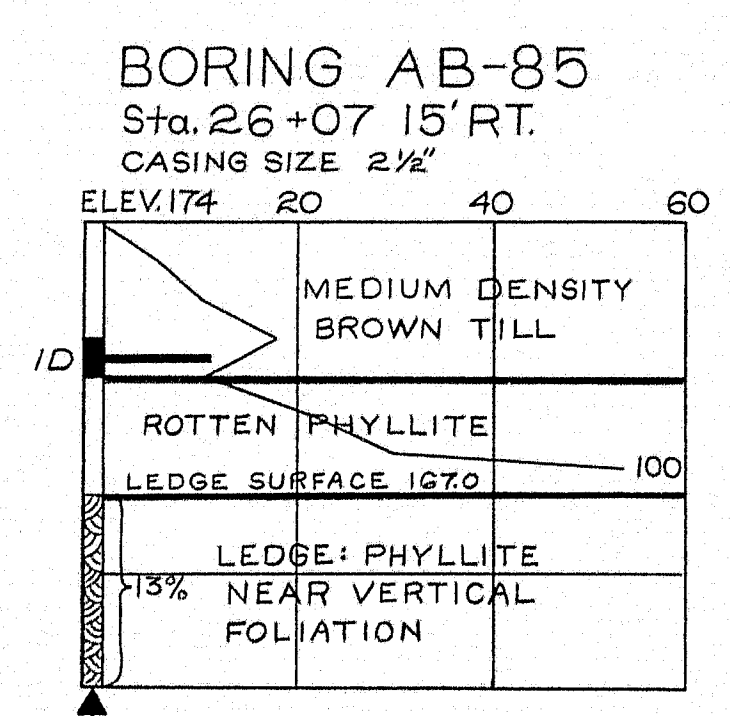
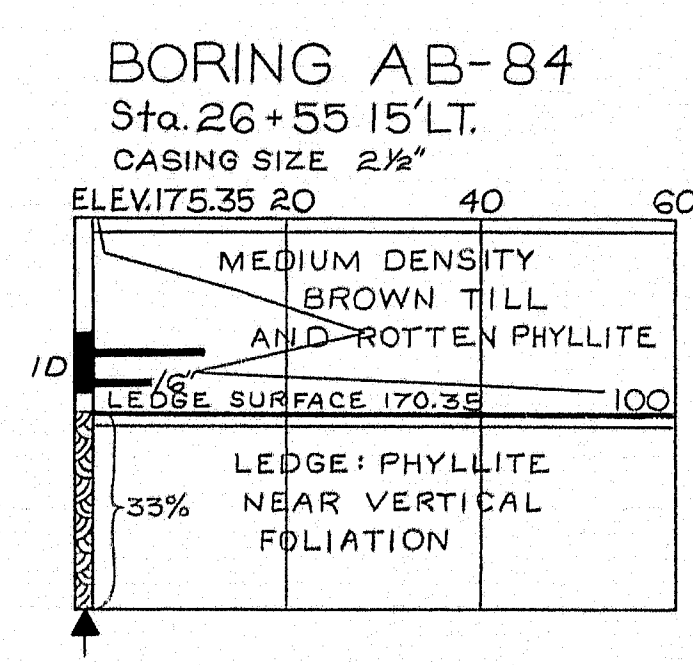
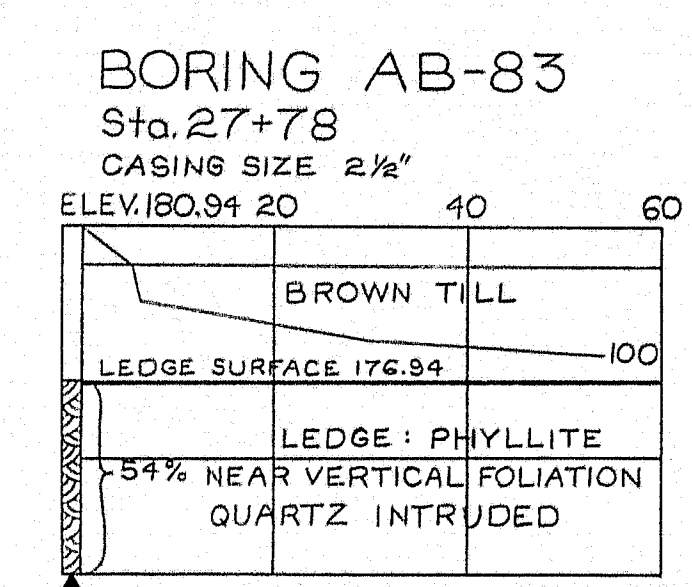
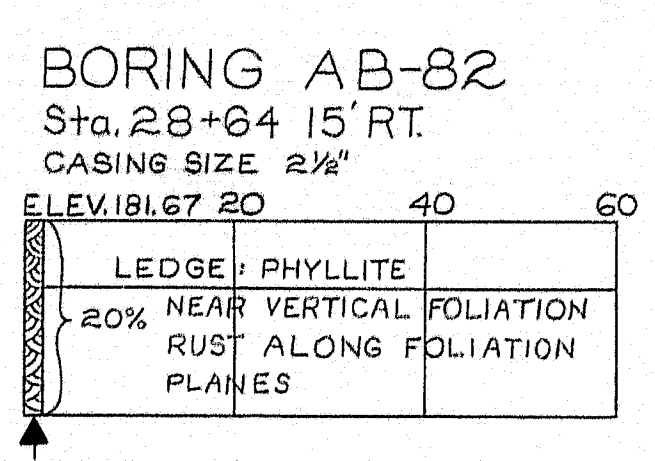


ELEVATION



BORING NOTES

ALL SAMPLES ARE MADE AHEAD OF CASING
NUMBER OF BLOWS REQUIRED TO DRIVE EXTRA HEAVY CASING
ONE FOOT WITH 400 FT. LBS. OF ENERGY PER BLOW.
LOCATION OF SAMPLE OR SAMPLE ATTEMPT.
NUMBER AND TYPE OF DRY SAMPLE
S H SAMPLER #1290'S
NUMBER OF BLOWS REQUIRED TO DRIVE SPOON OR TUBING ONE
FOOT WITH 350 FT. LBS. OF ENERGY PER BLOW.
BOTTOM OF BORING (MAY NOT BE BOTTOM OF SOIL STRATA)
REFUSAL OF DRILL RODS OR CASING (MAY NOT BE LEDGE)
LOCATIONS CORED BY DIAMOND BIT AND PER CENT RECOVERY
OF ROCK



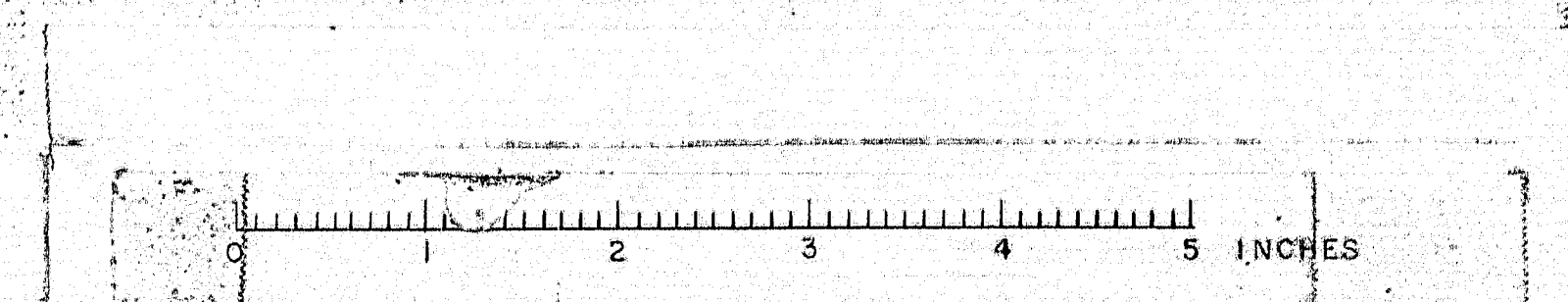
DESIGN-
TRACE-
CHECK-

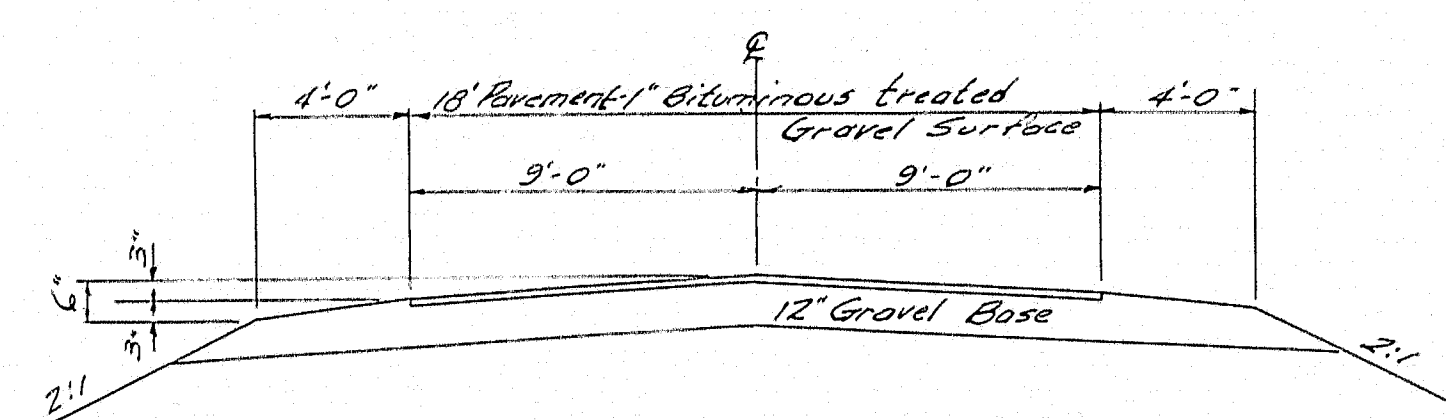
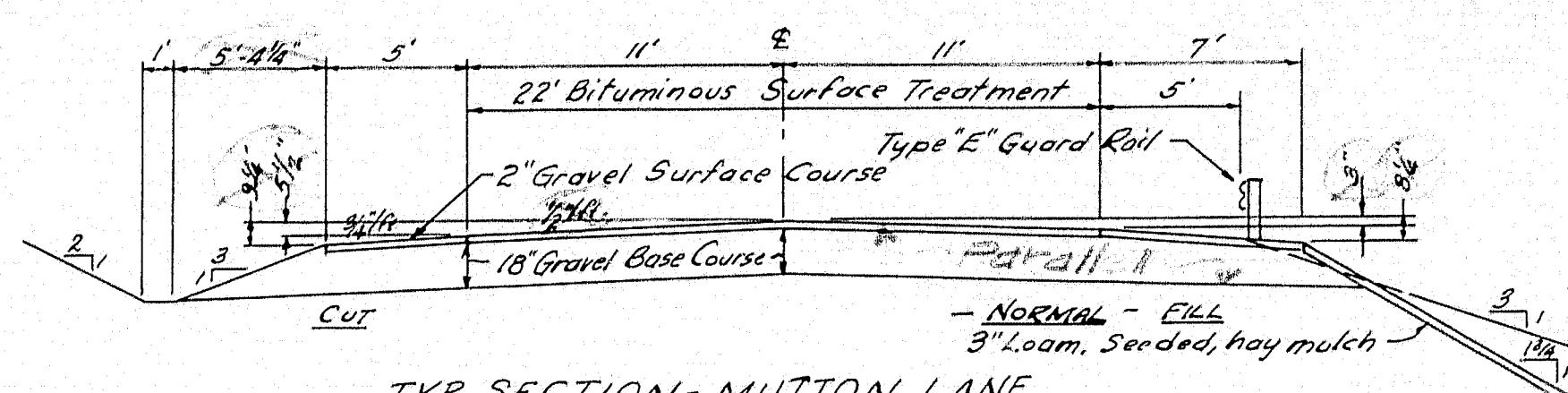
BRIDGE NO.
SURVEY-
PLOT-

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
MUTTON LANE BRIDGE
OVER
INTERSTATE 95
IN THE TOWN OF
CLINTON
KENNEBEC COUNTY
BORING DETAILS

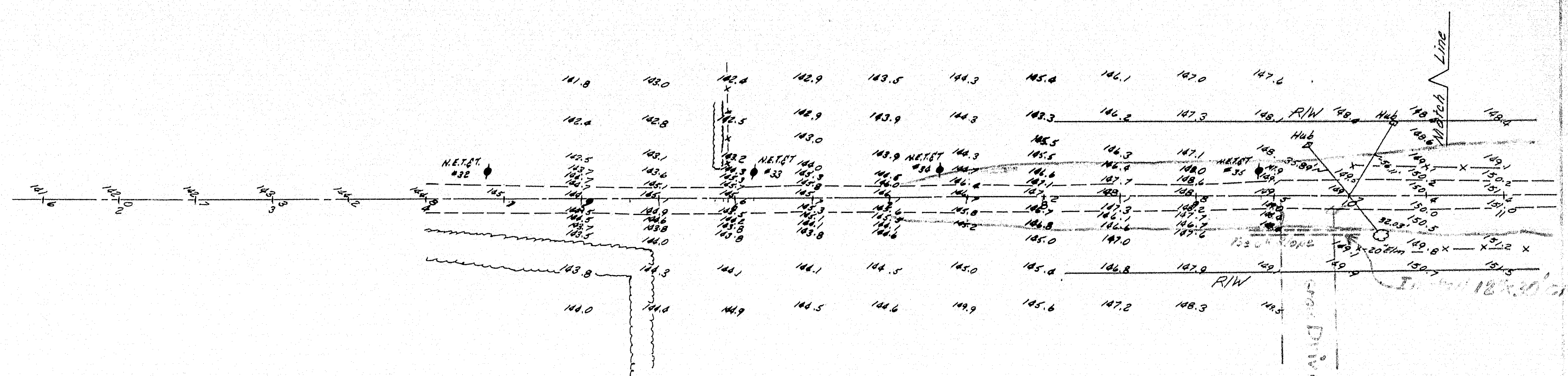
SHEET 3 OF 30 AUGUSTA, MAINE MARCH 1963

Field revisions - None





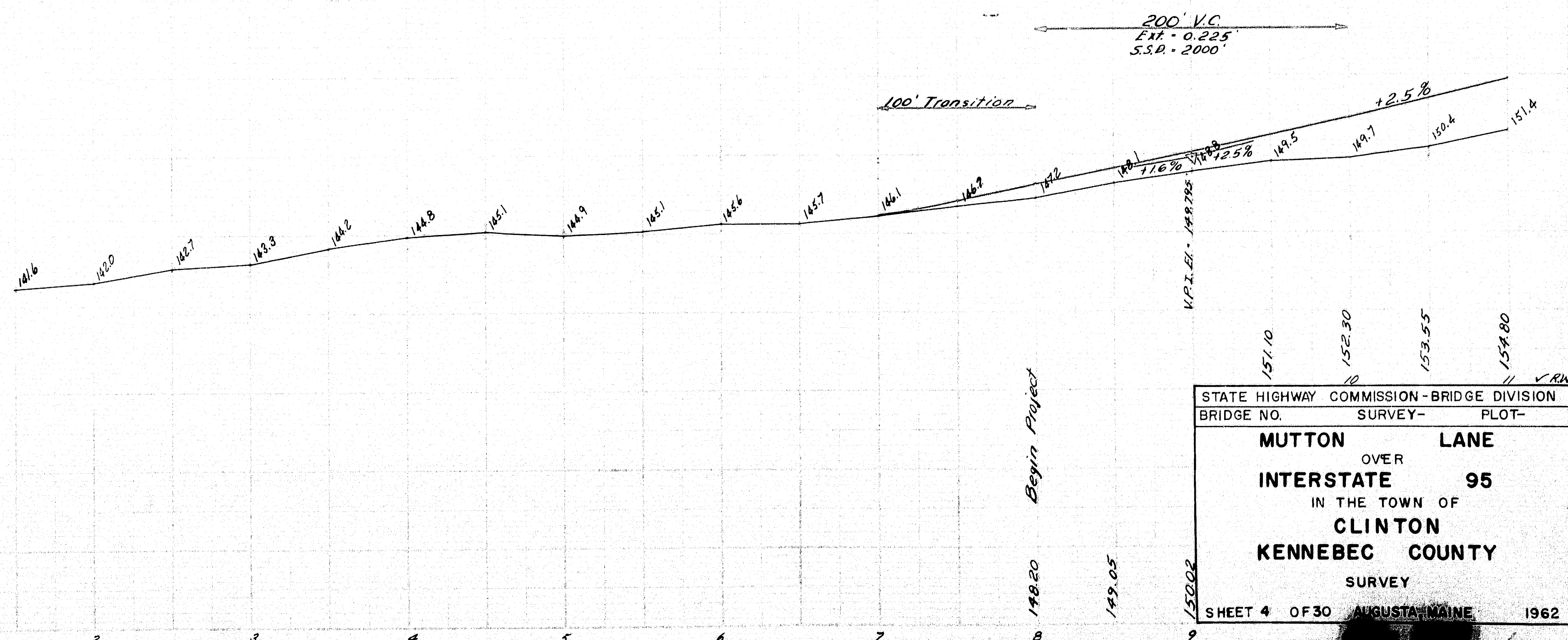
Not a part of this contract.



Note

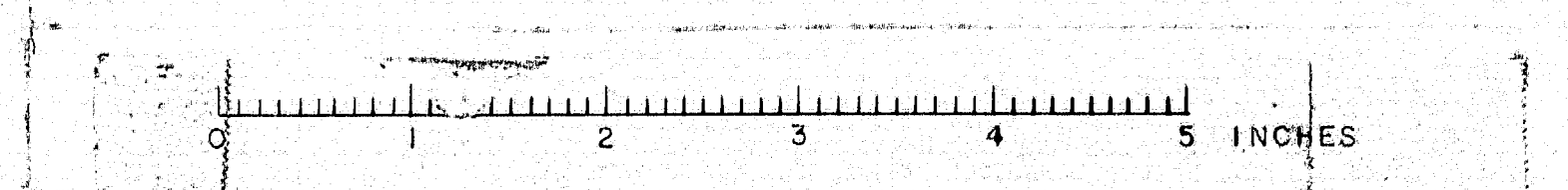
All Clearing, Selected Clearing, and Thinning, and Removal of Single Trees by others.

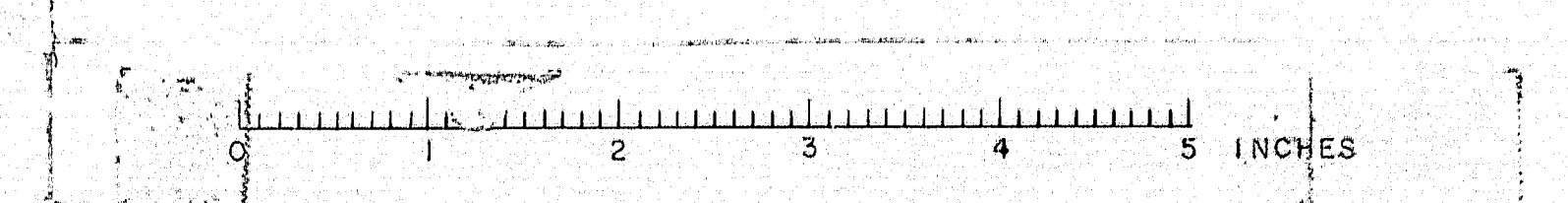
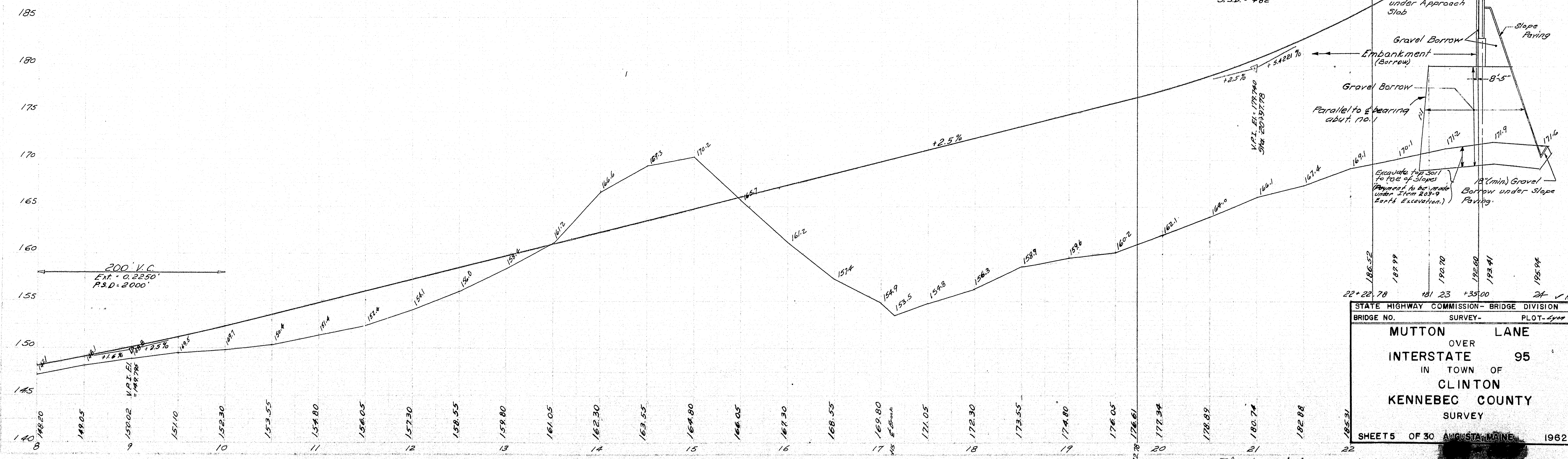
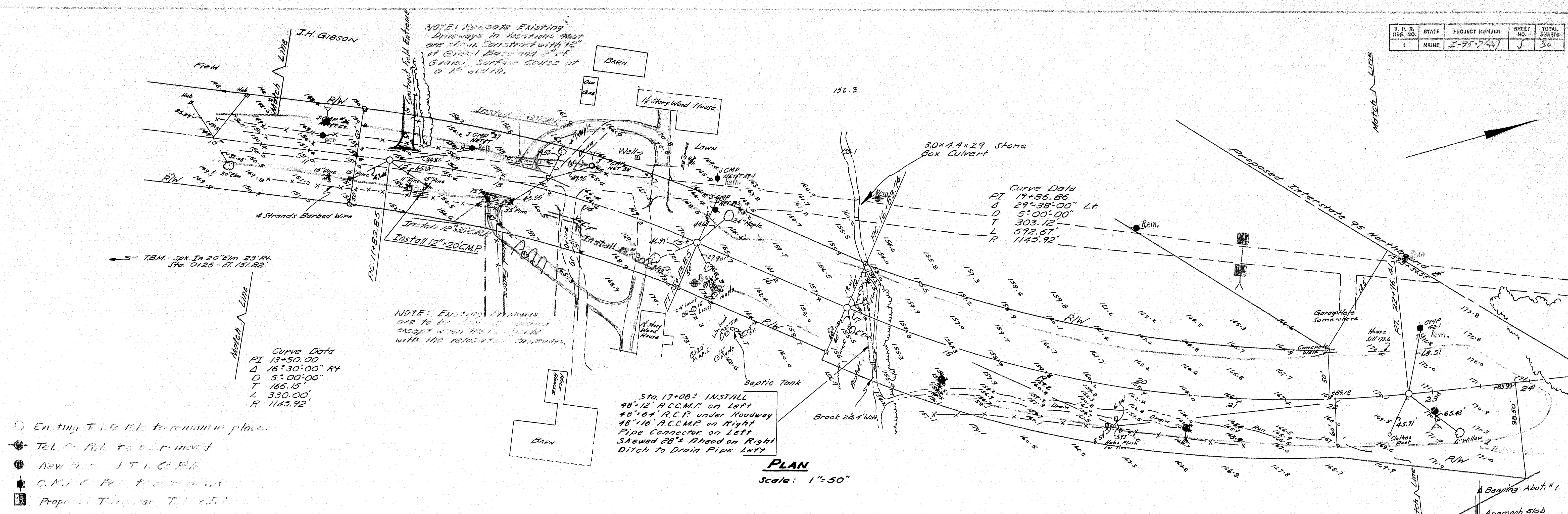
155
150
145
140
135
130
125
120



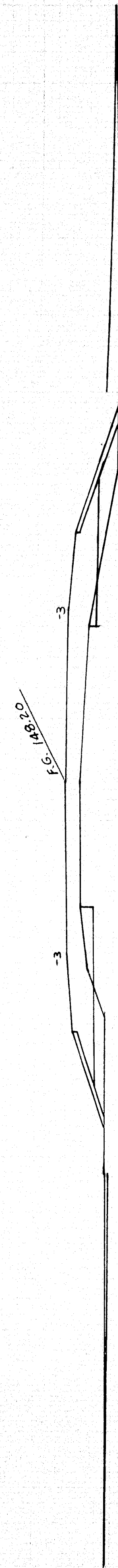
| STATE HIGHWAY COMMISSION - BRIDGE DIVISION | | |
|--|--------|------|
| BRIDGE NO. | SURVEY | PLOT |
| MUTTON OVER LANE | | |
| INTERSTATE 95 | | |
| IN THE TOWN OF CLINTON | | |
| KENNEBEC COUNTY | | |
| SURVEY | | |
| SHEET 4 OF 30 AUGUSTA, MAINE 1962 | | |

Field revisions posted by [signature]





NOTE:-
Do not excavate for Gravel Base
where existing material is suitable.



75' 8+00 Begin Project 140 75'

25' El. 144.3
75' El. 144.3

+50

140 75'

75'

7+00 Begin Transition 140

25' El. 144.1
75' El. 144.1

75'

+50

140 75'

75'

6+00

140 75'

75'

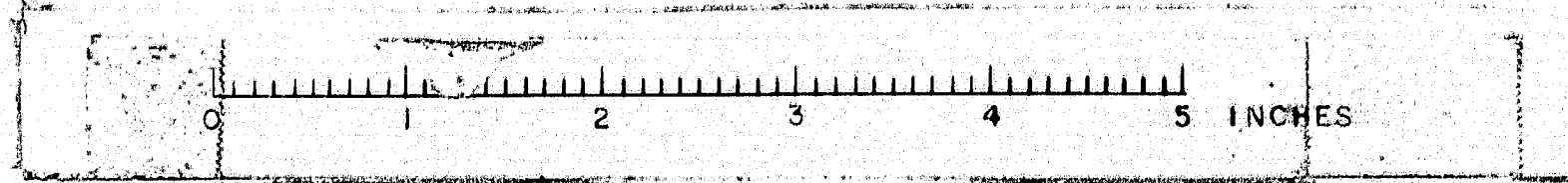
+50

140 75'

75'

5+00

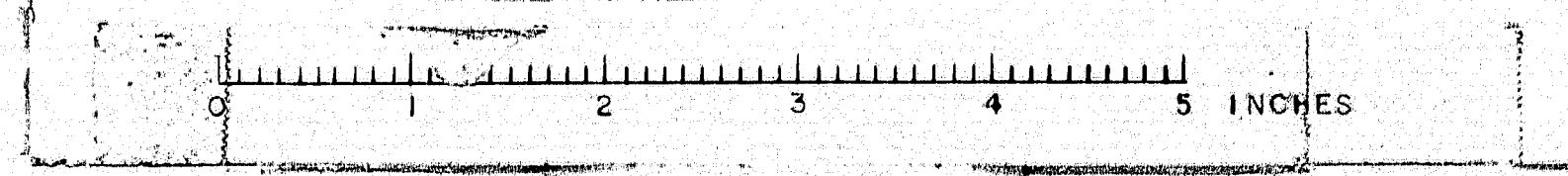
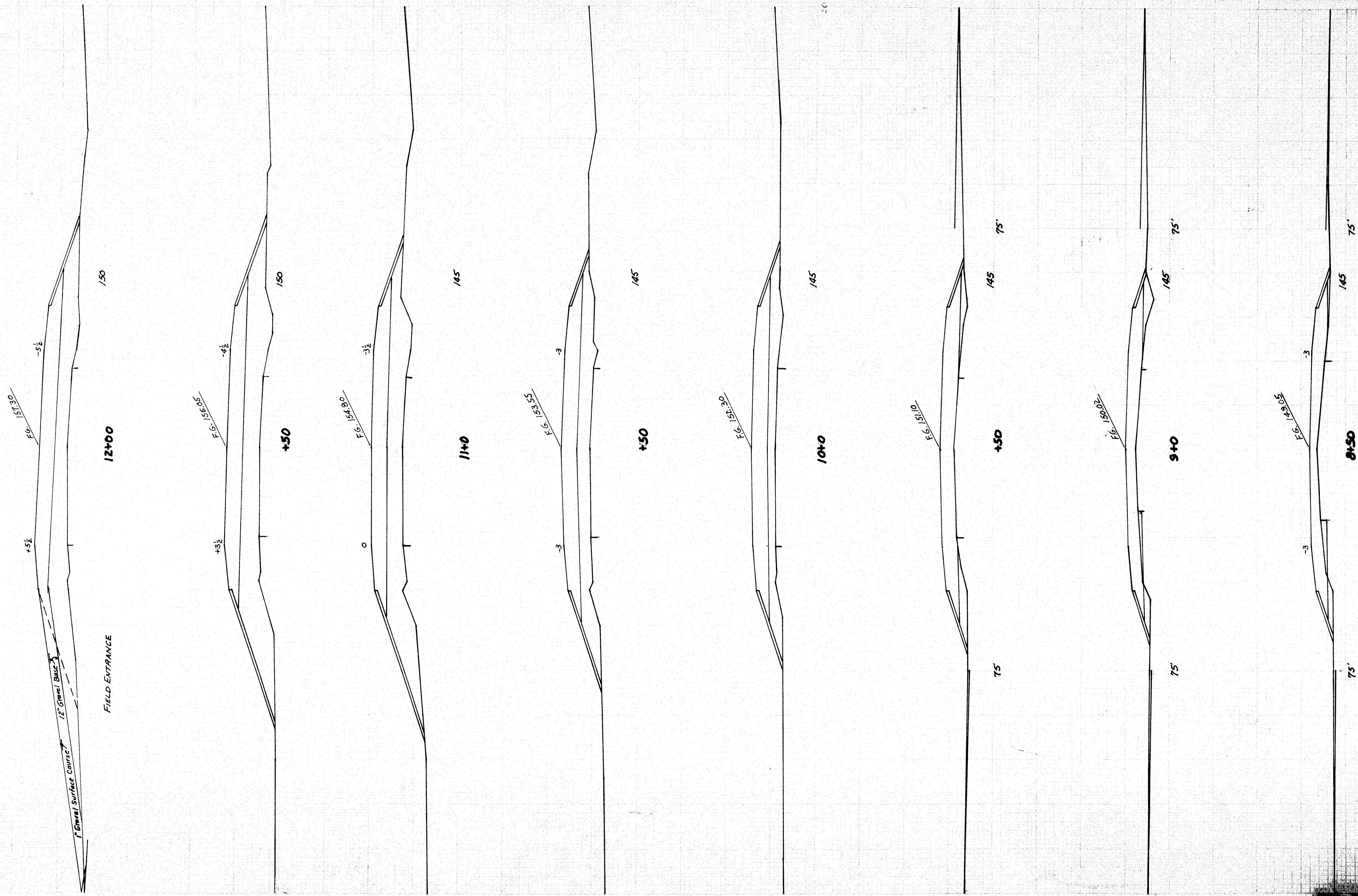
140 75'

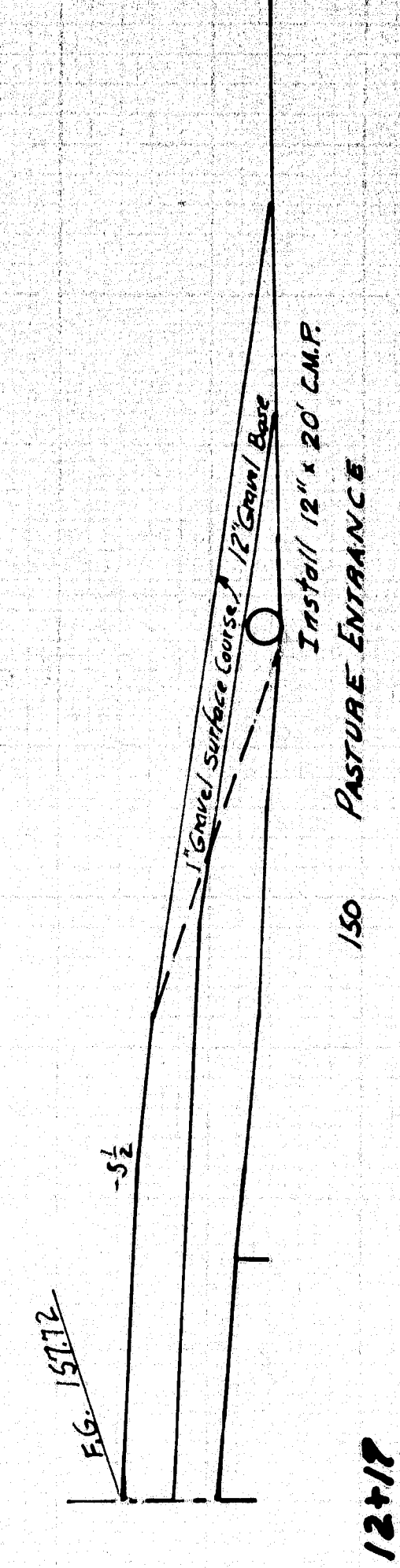
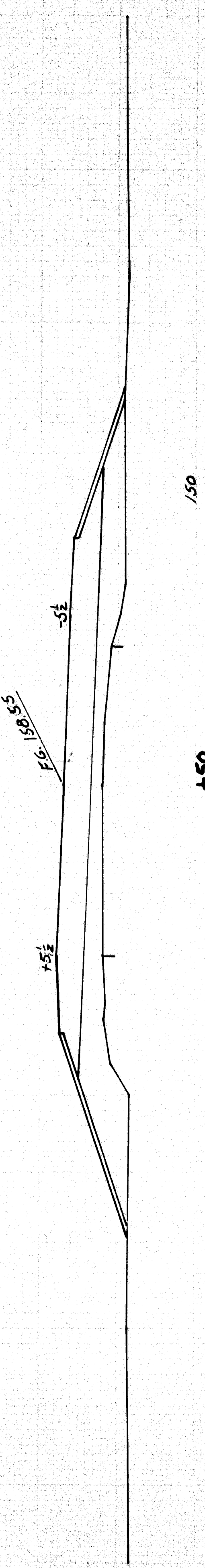
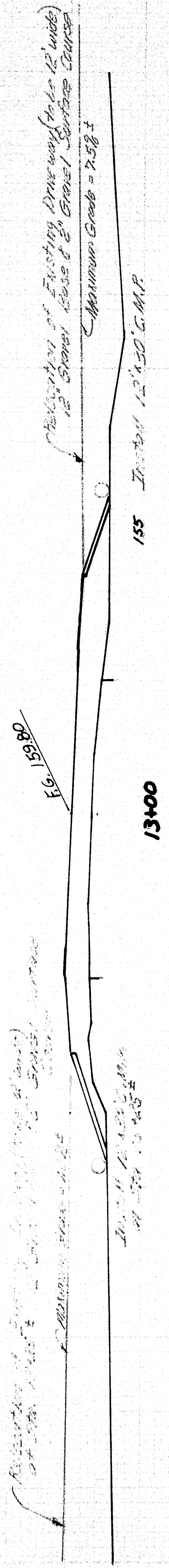
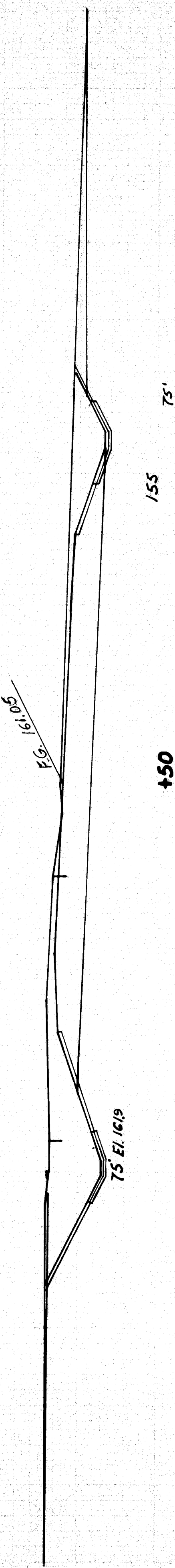
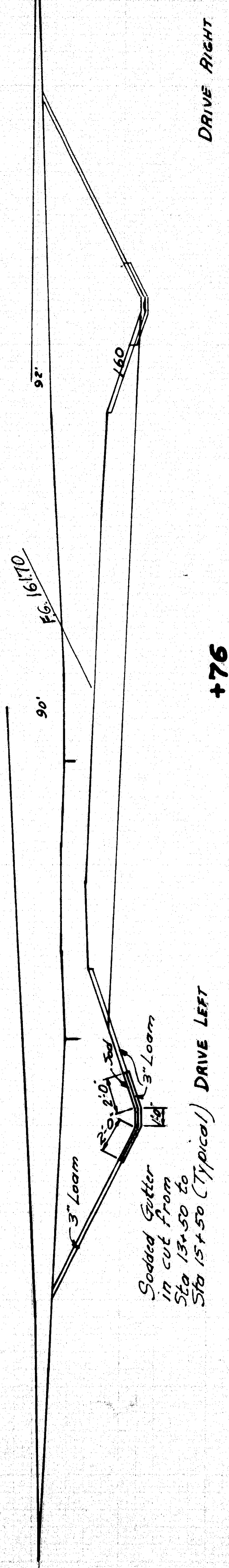
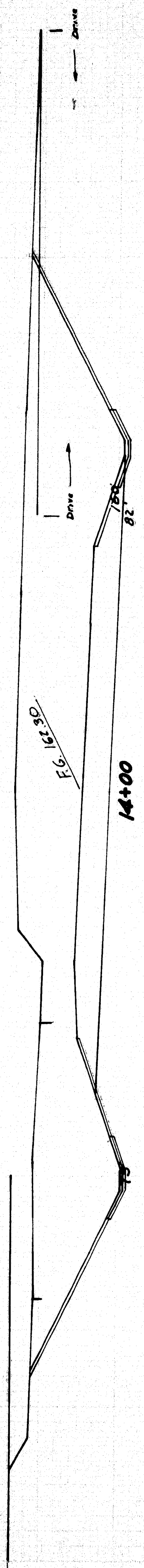
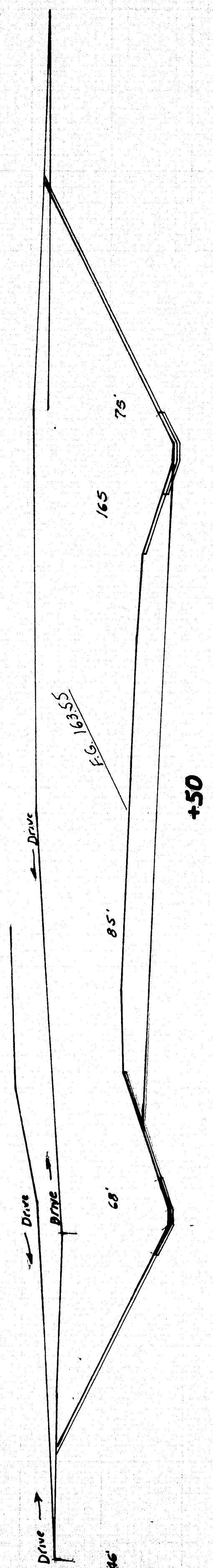
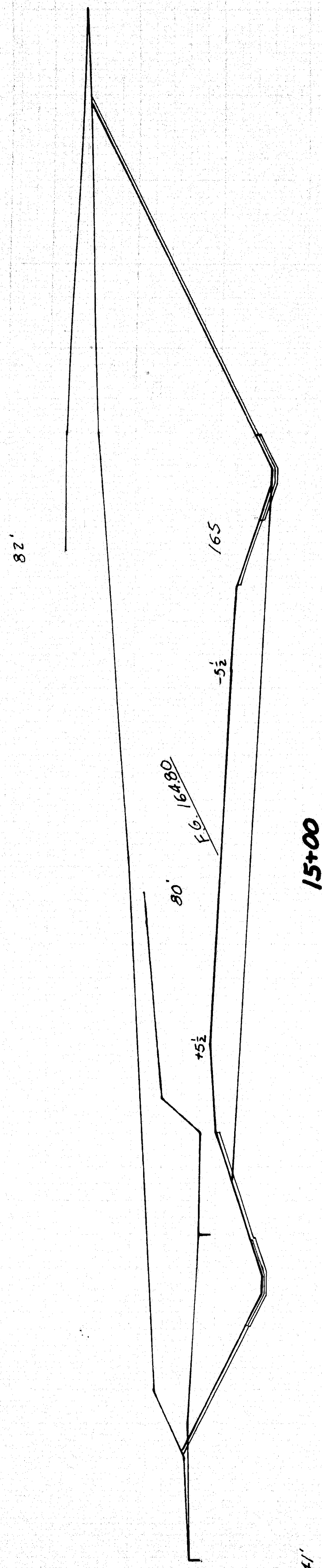


| B. P. R. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------|-------|----------------|-----------|--------------|
| 1 | MAINE | 1-95-741 | 8 | 100 |

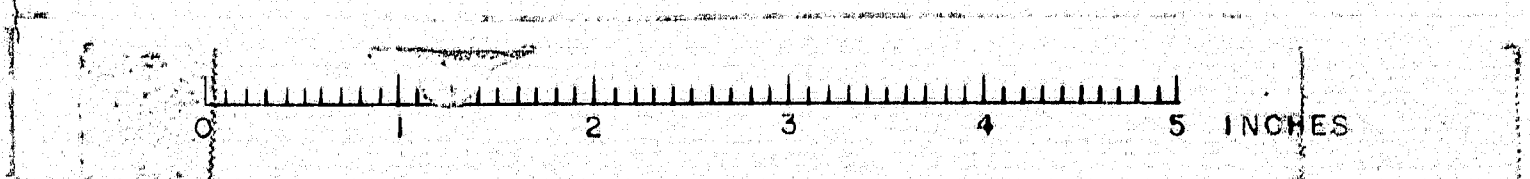
X-SECTIONS MUTTON LANE-CLINTON 5+0 TO 8+00 V.L.P.

| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|-----------|-----------------|
| 1 | MAINE | 1-95-1141 | 9 | 30 |

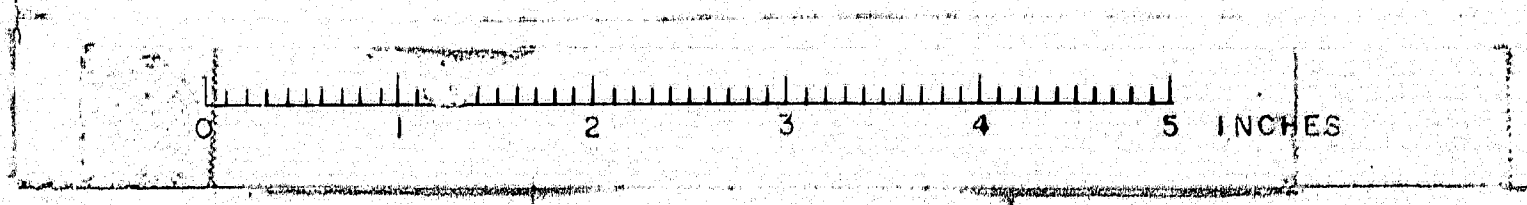
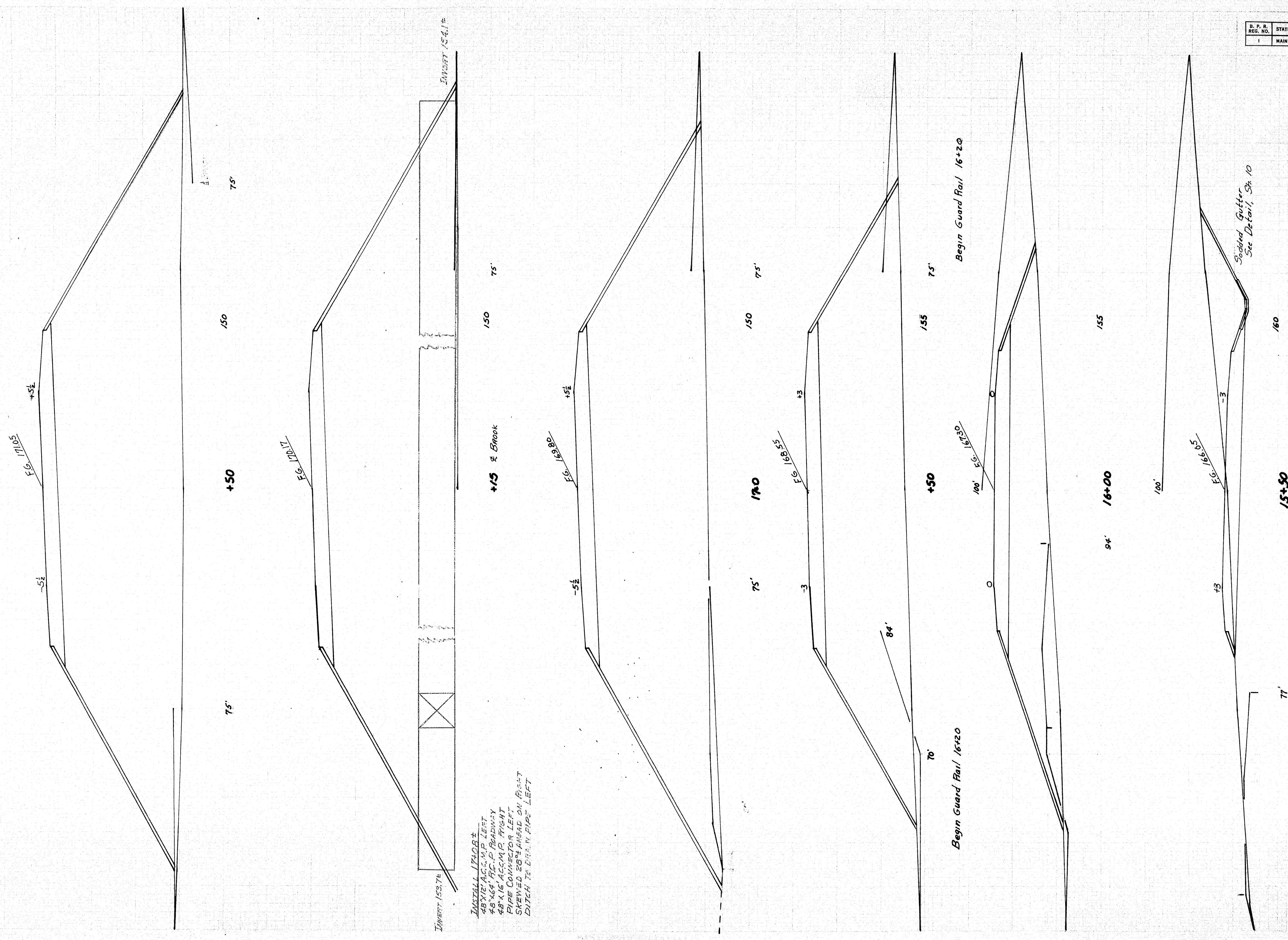




| R. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|-----------|-----------------|
| 1 | MAINE | 1-35-7(4) | 10 | 50 |



| D. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | 1-95-744 | 11 | 30 |

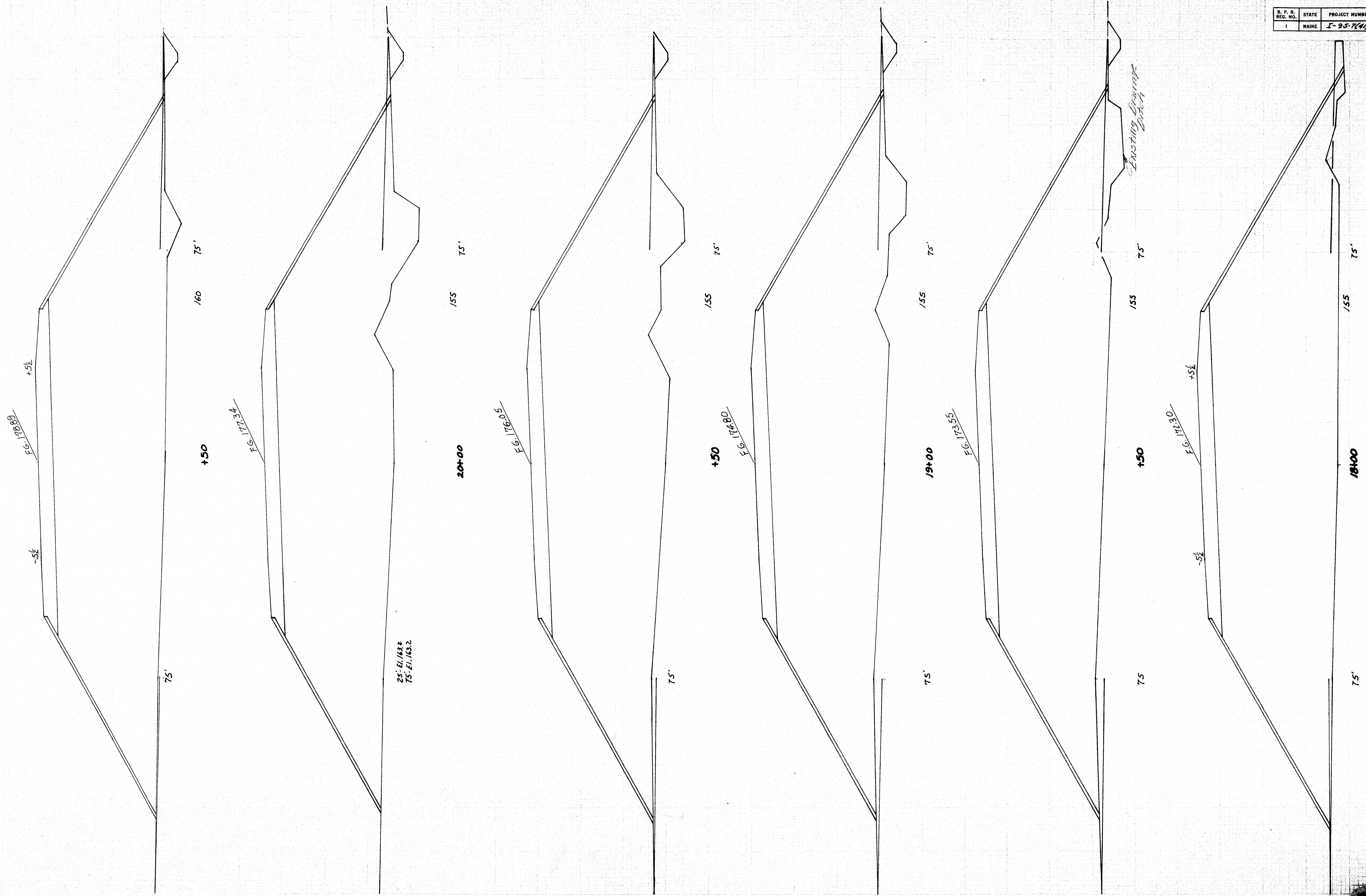


INSTALL 17408+
48"X16" AC. P. PIPE LEFT
48"X16" AC. P. PIPE RIGHT
48"X16" AC. P. PIPE RIGHT
PIPE CONNECTOR LEFT
SKEWED 28" AHEAD ON RIGHT
DITCH TO DRAIN PIPE LEFT

Begin Guard Rail 16+20

Begin Guard Rail 16+20

Soaked Gutter
See Detail, Sh. 10



| B. P. R. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------|-------|----------------|-----------|--------------|
| 1 | MAINE | 1-95-741 | 12 | 30 |

3

X-SECTIONS - MUTTON LAKE - CLINTON 18+00 TO 20+50 1/4"

Gravel Barrow See Sheet #

Continue ditch to
intercept Intersecting ditch.

75'

+50

170

75'

EG 190.70

-3 1/4

0

Embankment See Sheet #

Gravel Barrow See Sheet #

Gravel Barrow See Sheet #

75'

23+00

170

75'

+2 1/4

HOUSE SILL

+50

165

75

EG 185.31

-5 1/2

+5 1/2

CONC. WALL

75'

49

21+00

165

75

EG 183.81

+5

75'

+50

165

75'

EG 180.74

-5 1/2

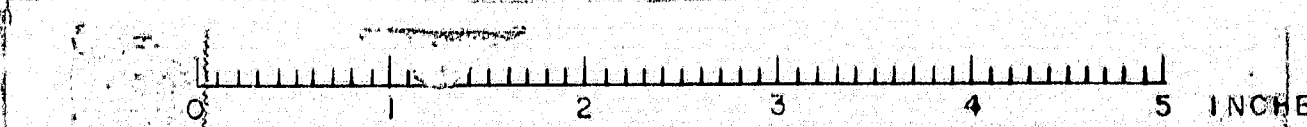
+5 1/2

75'

21+00

160

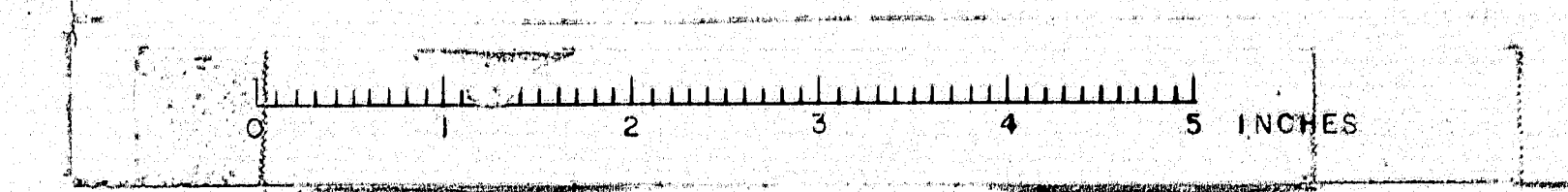
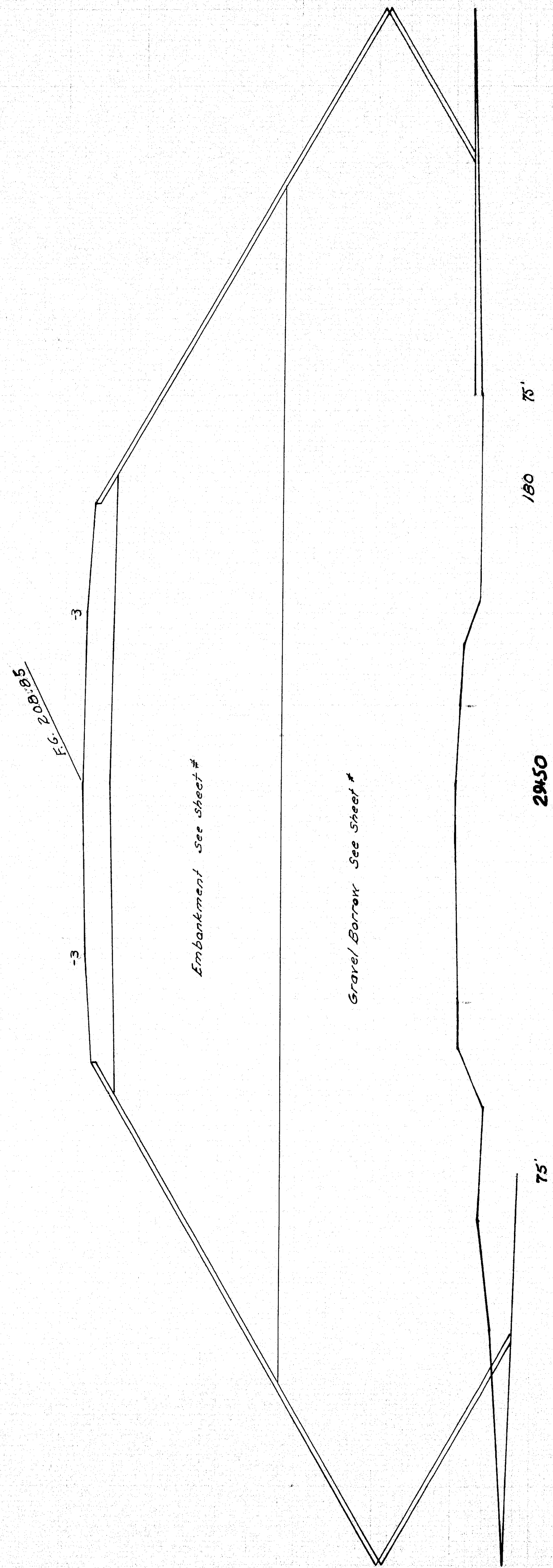
75'



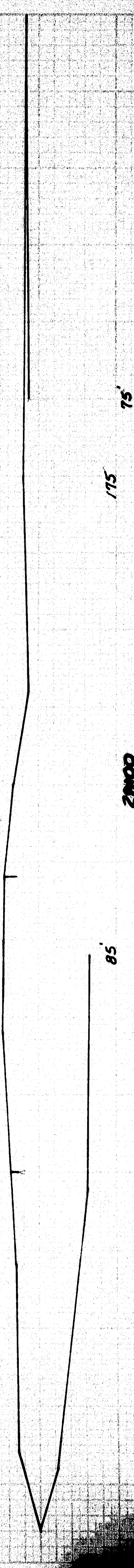
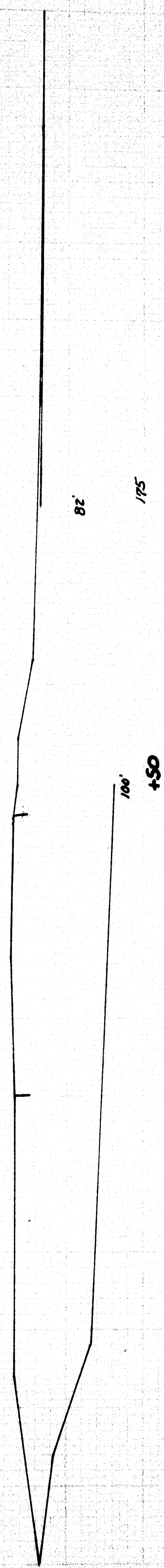
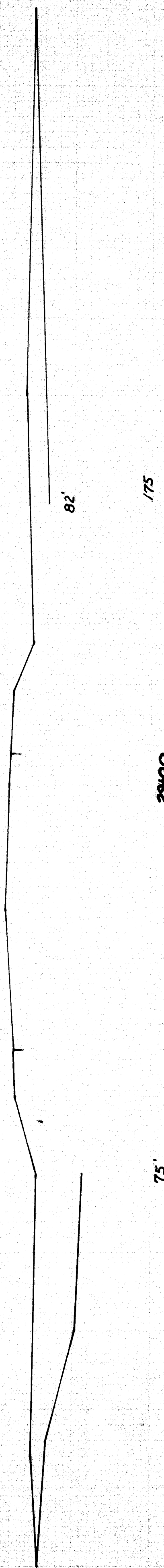
| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | I-95-7(41) | 13 | 30 |

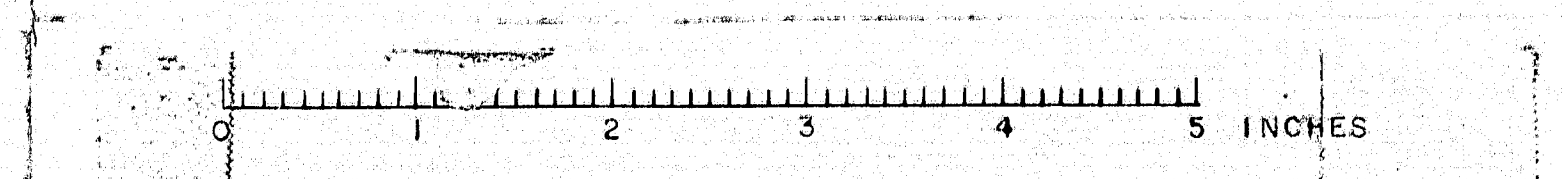
6

X-SECTIONS - MUTTON LANE-CLINTON 21+00 TO 23+50 1/4 L.R.

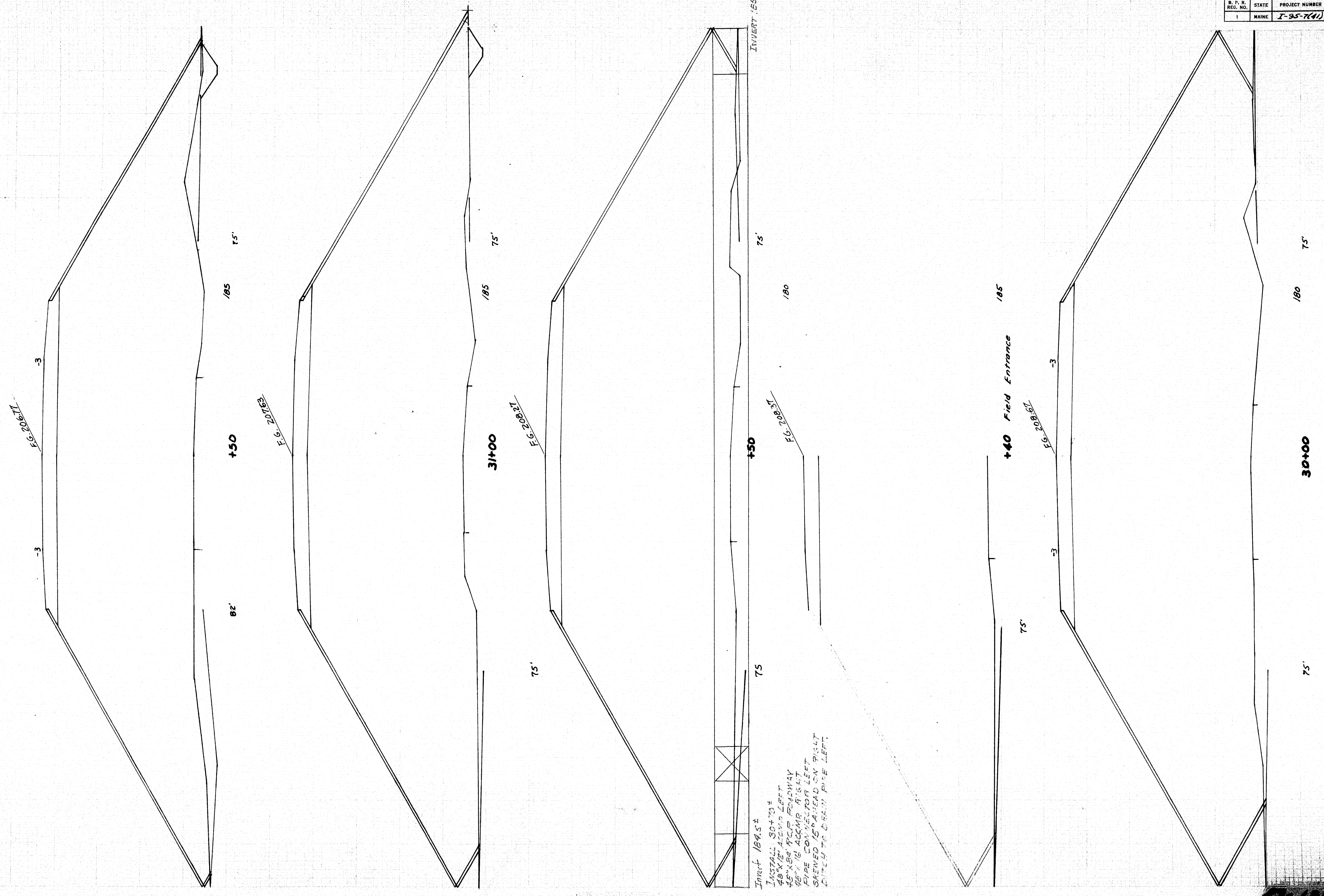


29630 2 25' 110 2





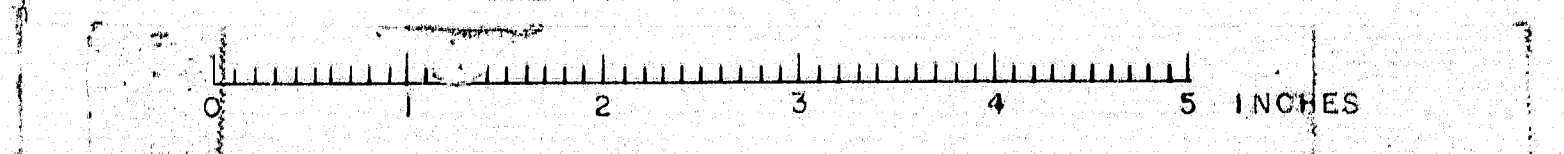
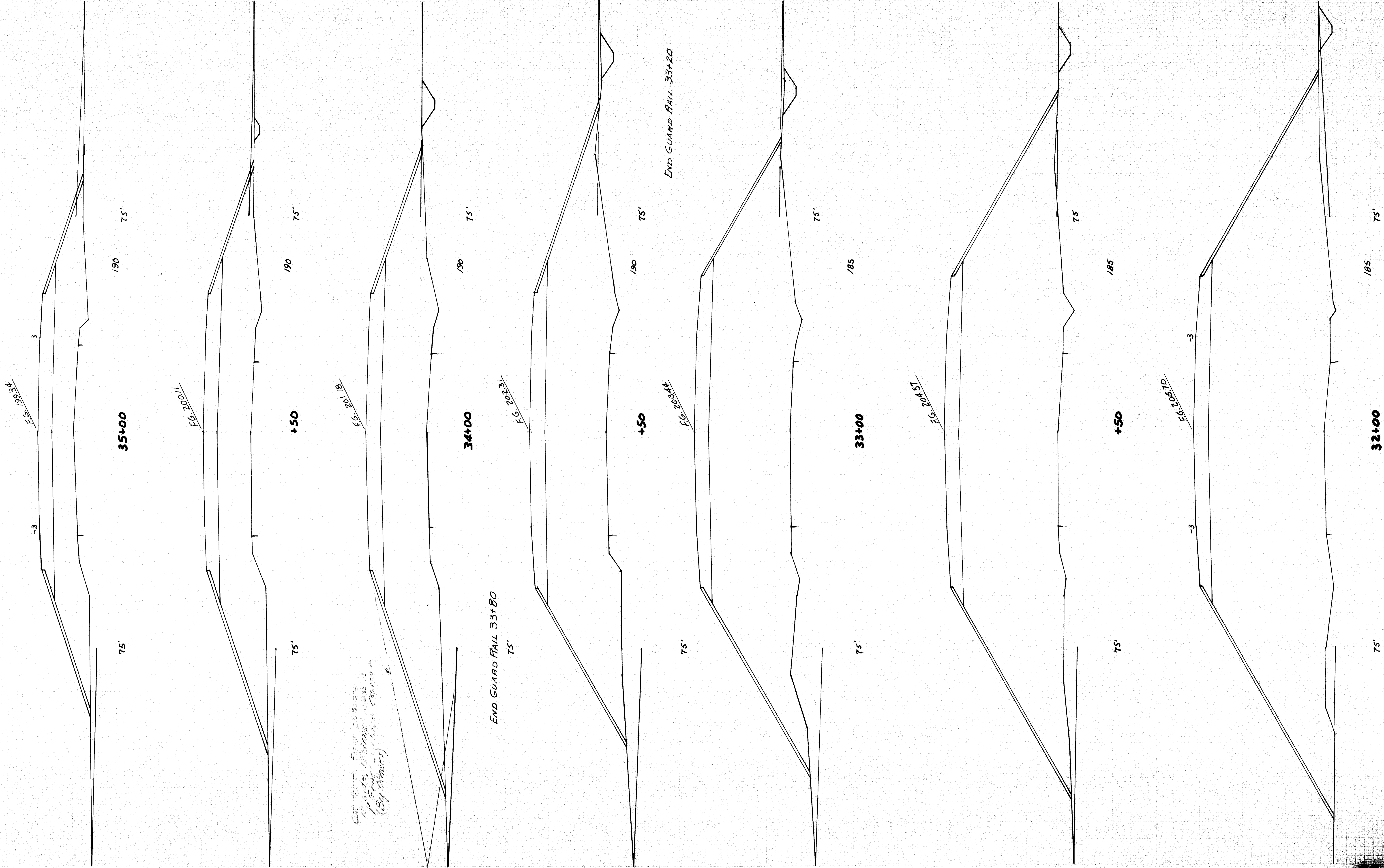
| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|-----------|-----------------|
| 1 | MAINE | I-95-7(41) | 15 | 30 |



INVERT 184.51
 INSTALL 30" DIA.
 48" DIA. ACQUIS. LEFT
 48" DIA. ACQUIS. RIGHT
 48" DIA. ACQUIS. RIGHT
 PIPE CONNECTION LEFT
 SAVED TO GRADE ON RIGHT
 DITCH TO GRADE PIPE LEFT

X-SECTIONS MUTTON LANE-CLINTON 30+00 TO 31+50 V.L.R. 2

| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | I-95-7(41) | 16 | 30 |



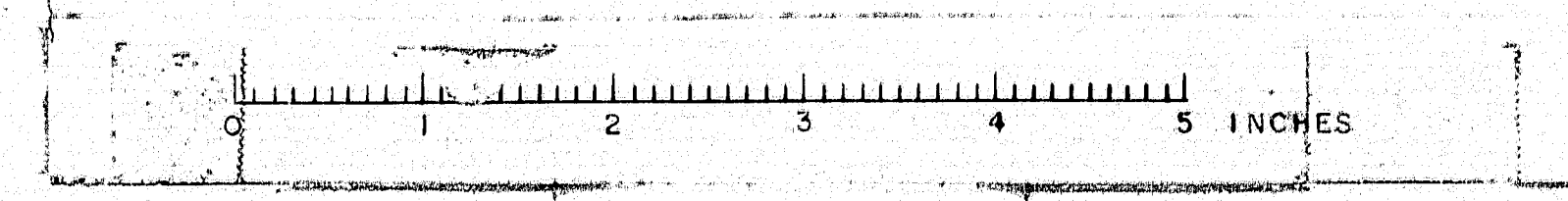
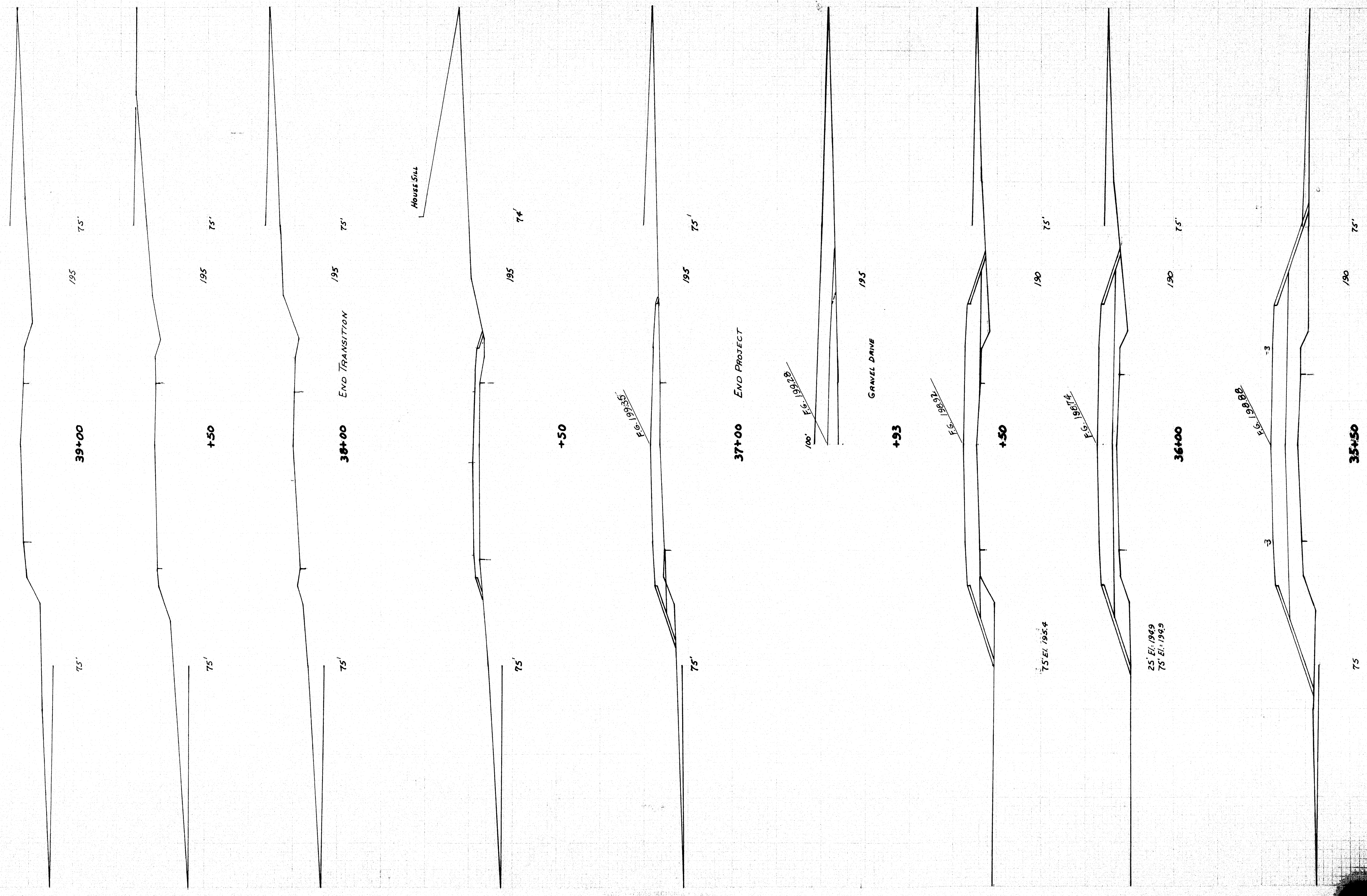
CONSTRUCTION OF THE
ROADWAY TO BE DONE BY
THE CONTRACTOR (By others)

END GUARD RAIL 33+80

END GUARD RAIL 33+20

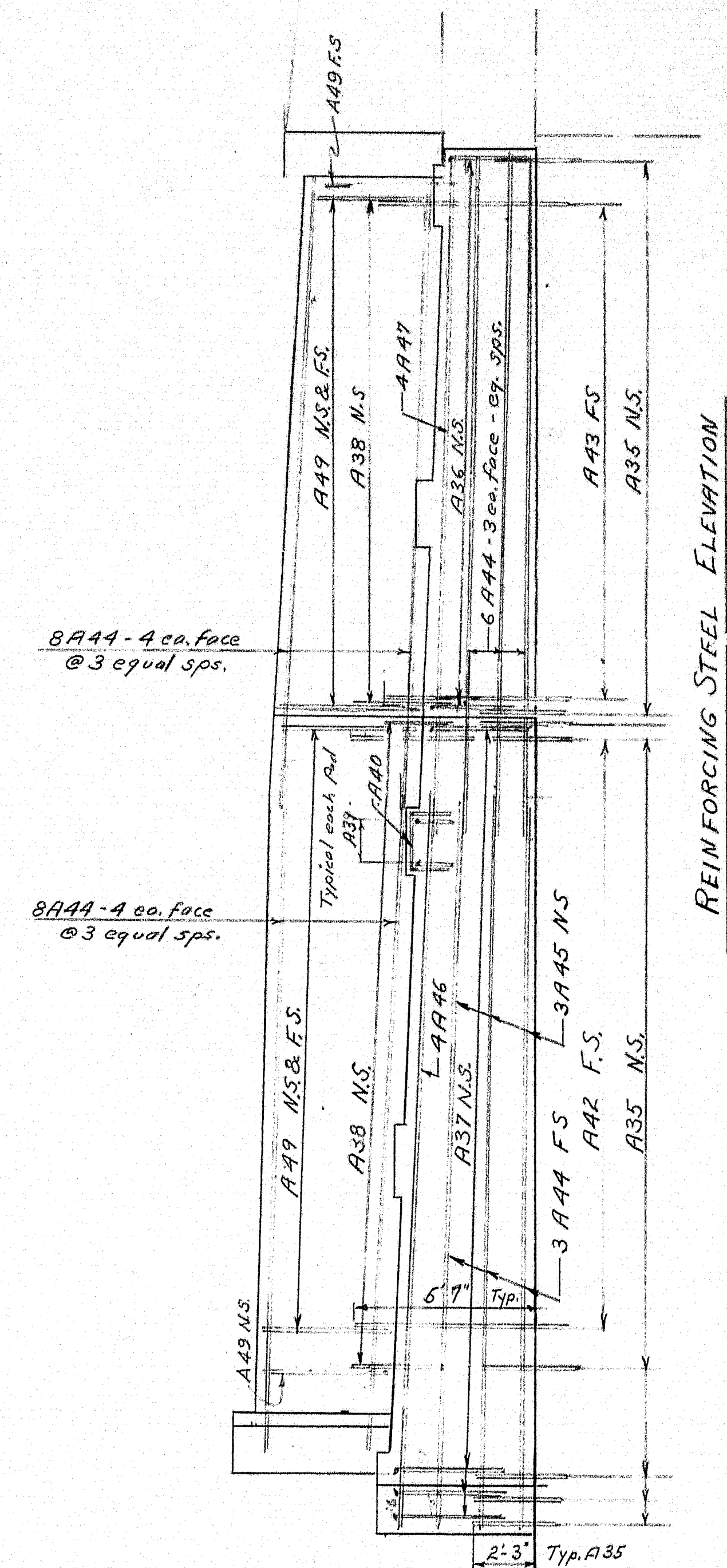
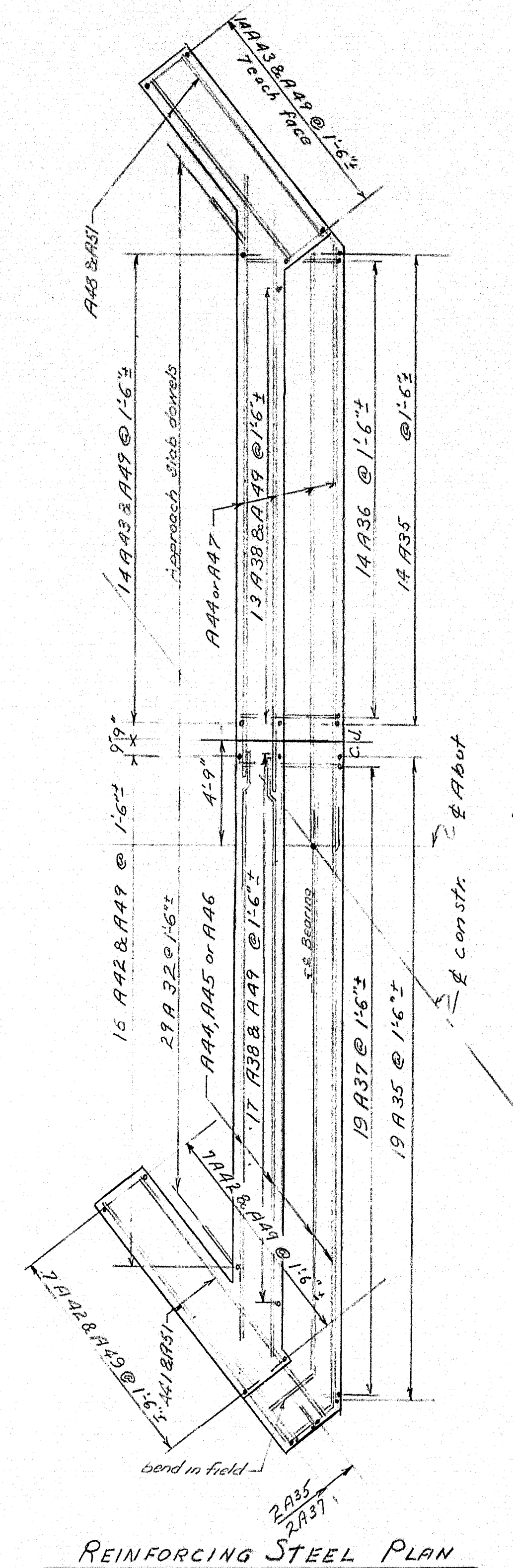
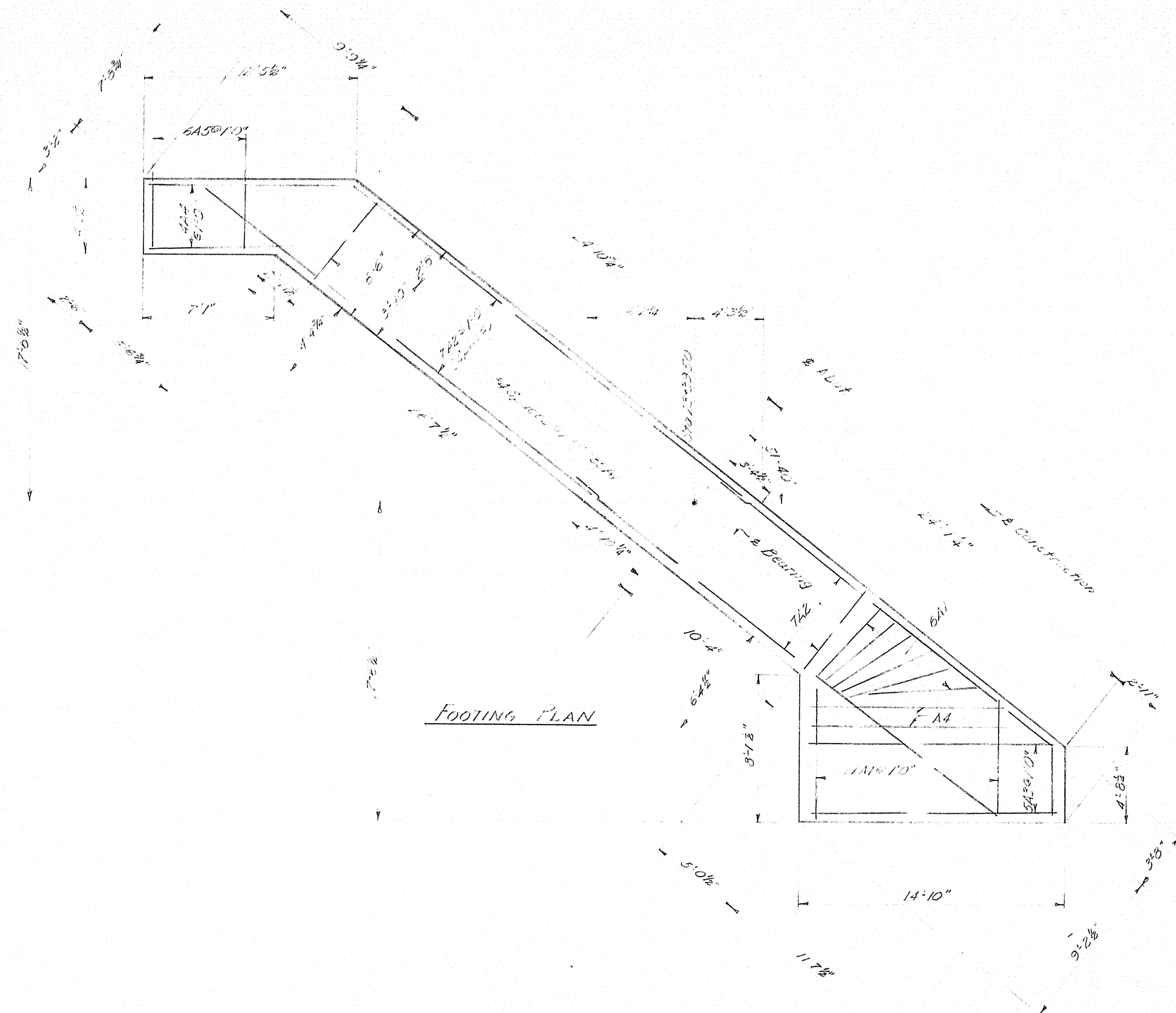
X-SECTIONS-MUTTON LAKE - CLINTON 32+00 TO 35+00

| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | I-95-56-741 | 17 | 30 |



X-SECTIONS - MUTTON LANE - CLINTON 35+50 TO 39+00 1/4" = 1'

| R. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | I-95-7(41) | 20 | 30 |

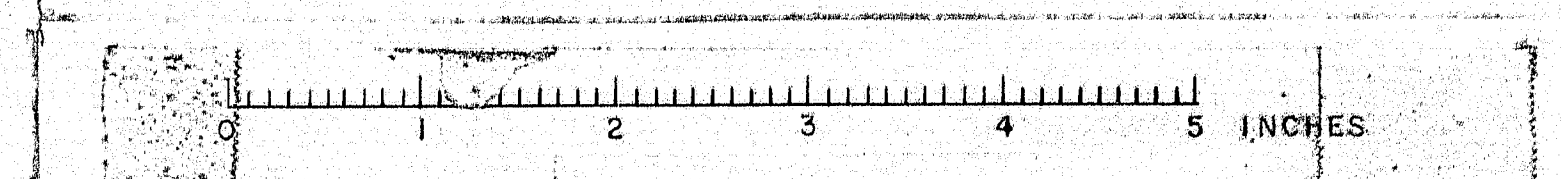


NS Near Side
FS Far Side

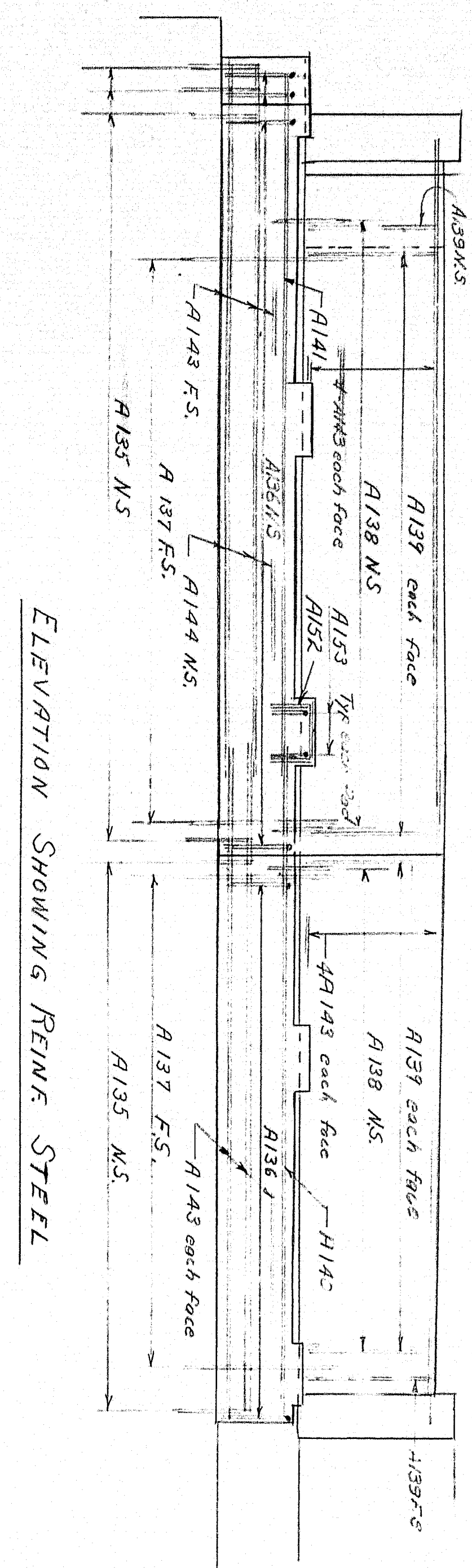
| | |
|--|--------------------------|
| DESIGN - M.L.J. DET-P.J.L. | BRIDGE NO. SURVEY PLOT - |
| CHECK - T.H.K. | |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| MUTTON LANE OVER INTERSTATE 95 IN THE TOWN OF CLINTON KENNEBEC COUNTY | |
| ABUTMENT I REINFORCING & FOOTING PLANS | |
| SHEET 20 OF 30 AUGUSTA, MAINE MARCH 1963 | |

Field revisions - None

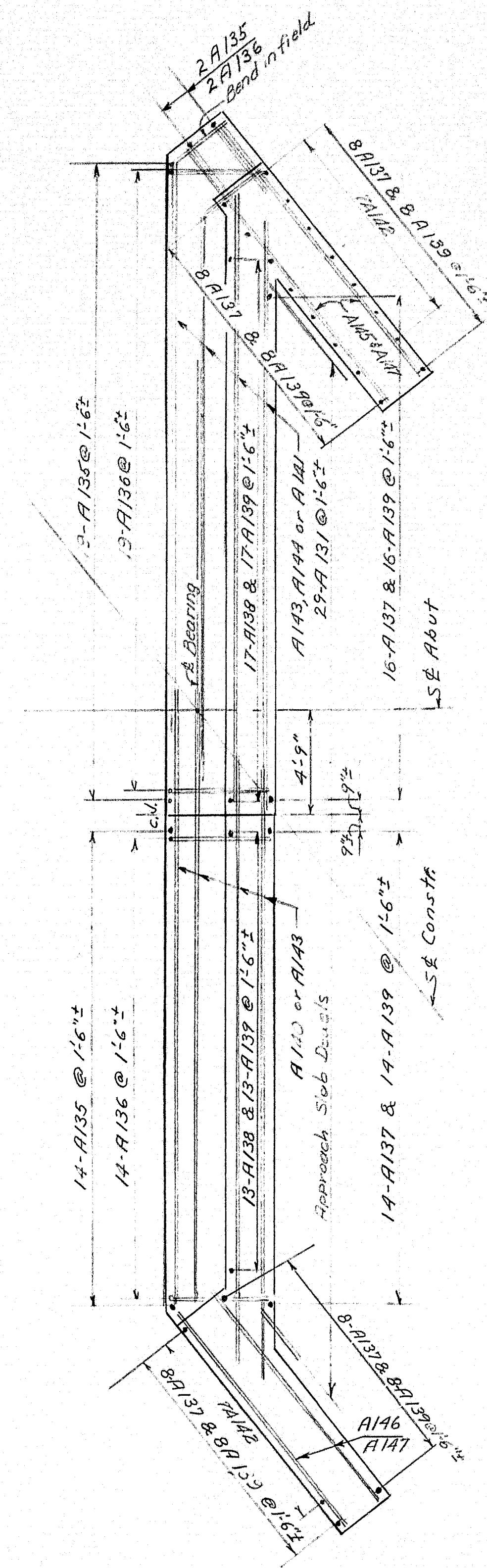
87-140



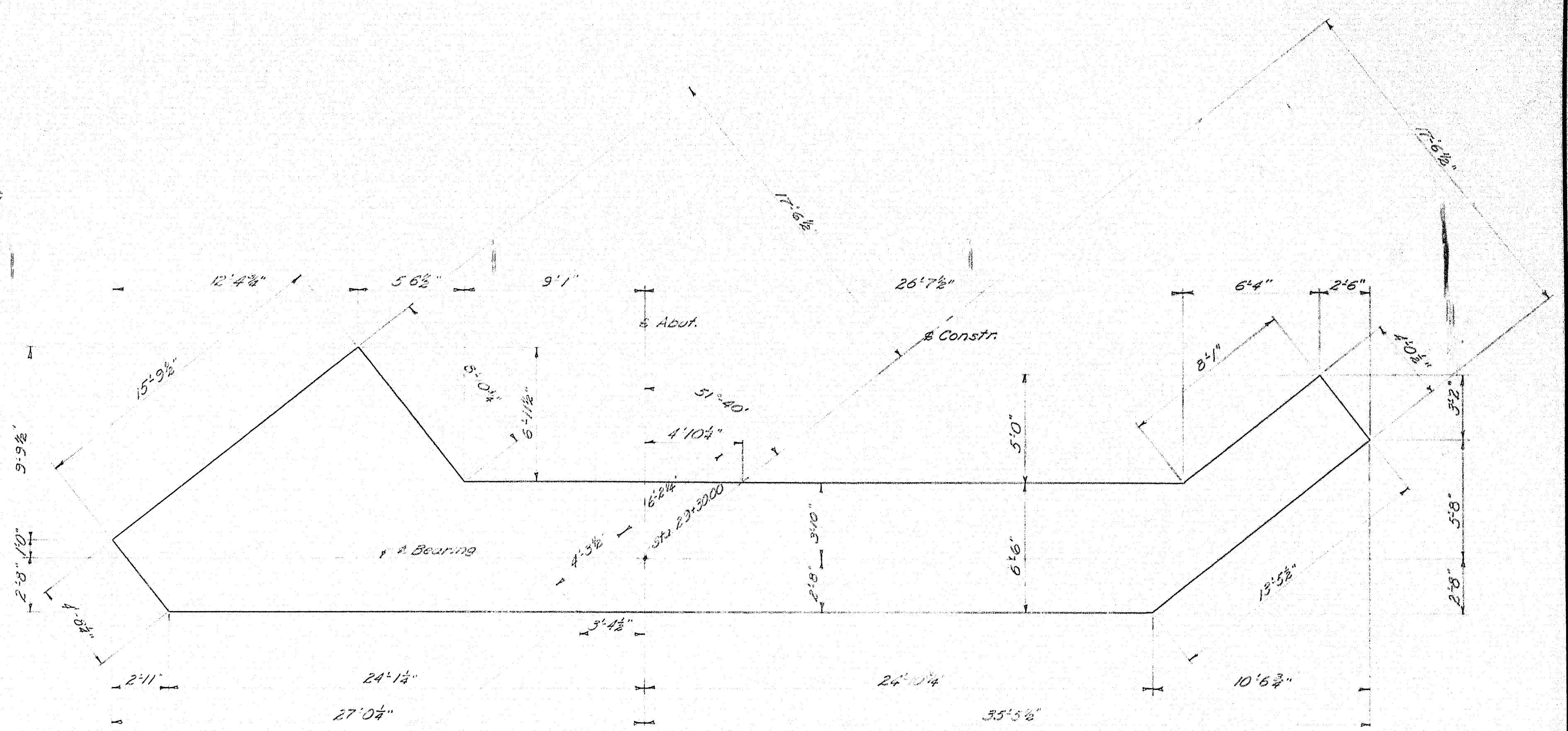
| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | I-95-7(41) | 22 | 30 |



ELEVATION SHOWING REINF STEEL



PLAN SHOWING REINF STEEL

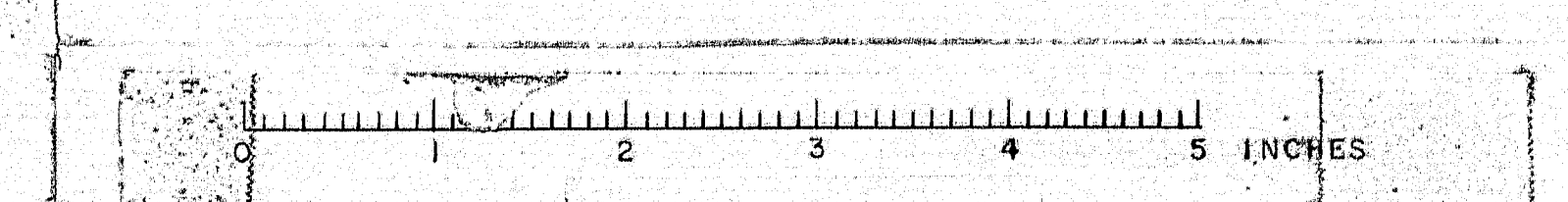


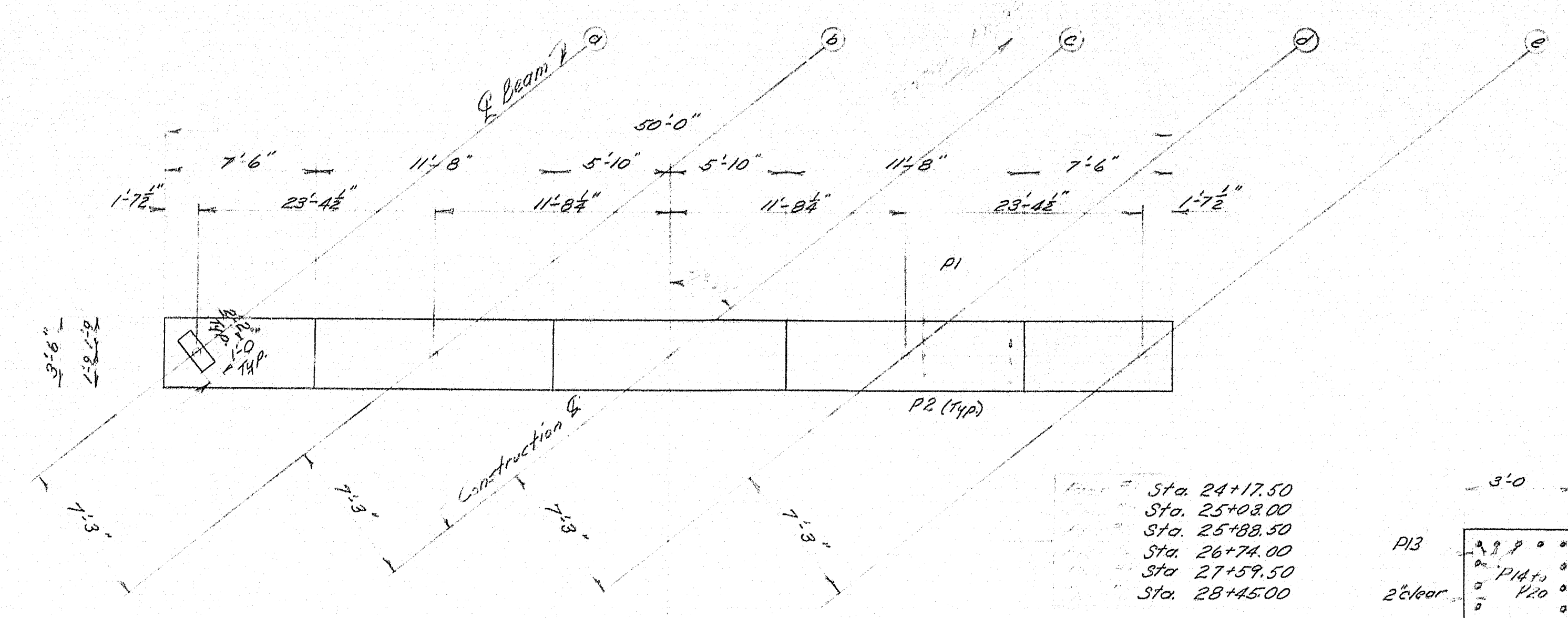
FOOTING PLAN
Reinforcing Steel the same as Abutment #1
See Sheet #40

General Notes:-
All reinforcing steel shall be placed
to have at least 3 inch clearance
from face of concrete unless
otherwise noted.
No greater "bar size"
to be used than "bar size"

| | |
|--|---------------|
| DESIGN- M.L.J. DET- P.J.L. | BRIDGE NO. |
| TRACE- T.H.K. | SURVEY- PLOT- |
| CHECK- T.H.K. | |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| MUTTON LANE OVER INTERSTATE 95 IN THE TOWN OF CLINTON KENNEBEC COUNTY | |
| ABUTMENT 2 REINFORCING & FOOTING PLANS | |
| SHEET 22 OF 30 AUGUSTA, MAINE MARCH 1963 | |

Field Revisions - None 87-142





PLAN

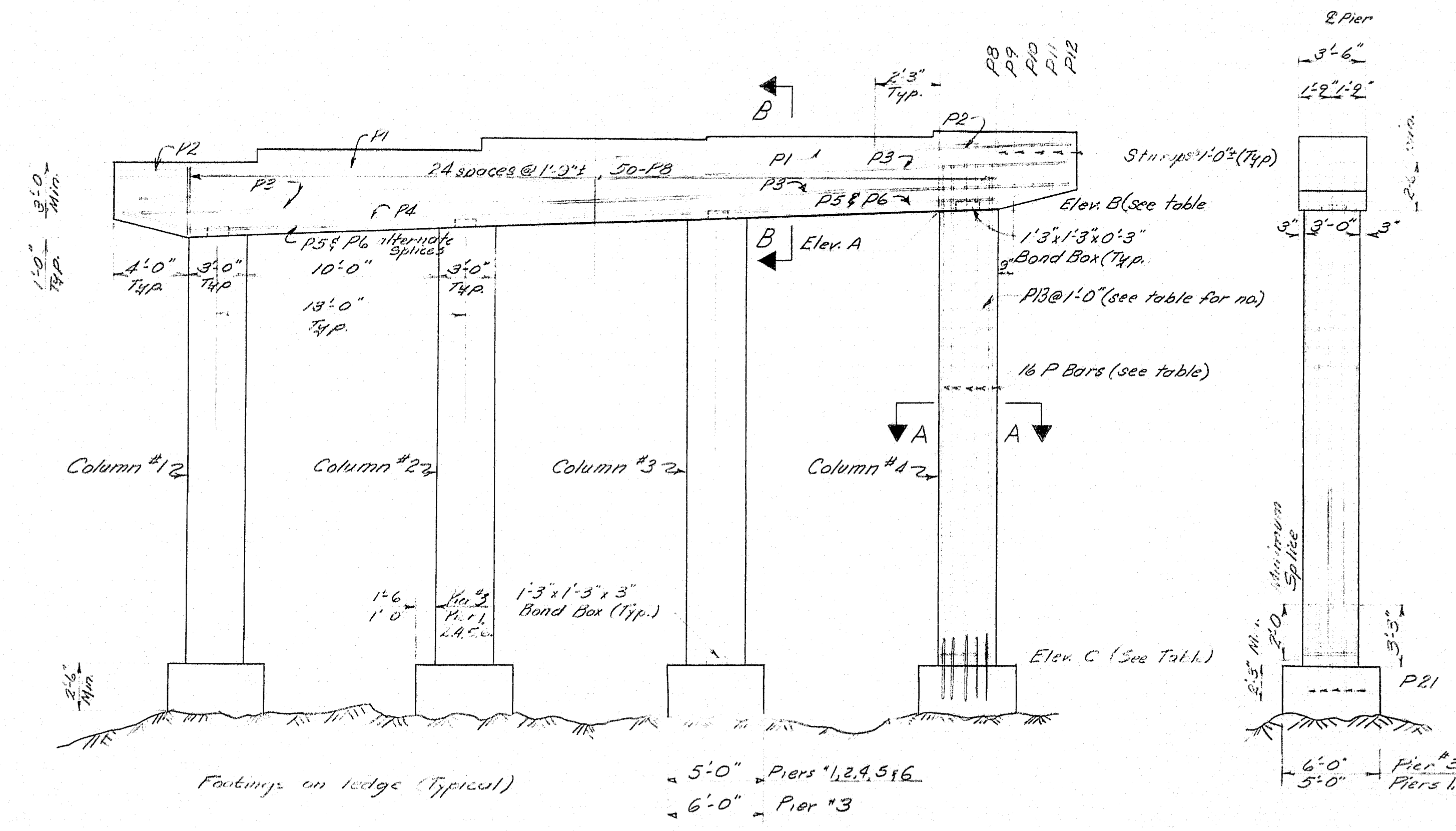
| PIER BEARING AREA ELEVATIONS | | | | | |
|------------------------------|--------|--------|--------|--------|--------|
| | Line 1 | Line 2 | Line 3 | Line 4 | Line 5 |
| Pier #1 | 193.97 | 193.96 | 191.55 | 191.82 | 192.93 |
| Pier #2 | 192.83 | 192.75 | 195.26 | 195.26 | 195.26 |
| Pier #3 | 197.72 | 198.16 | 198.41 | 198.54 | 199.86 |
| Pier #4 | 199.85 | 200.23 | 200.60 | 200.66 | 200.71 |
| Pier #5 | 201.79 | 202.01 | 202.31 | 202.30 | 202.88 |
| Pier #6 | 202.79 | 202.92 | 203.15 | 203.17 | 203.69 |

| PIER | COLUMN | ELEV. A | ELEV. B | ELEV. C | Vertical Bars | Number of Piers |
|------|--------|---------|---------|-----------|---------------|-----------------|
| #1 | 1 | 196.24 | 186.37 | 185.19 | P14 | 21 |
| | 2 | 186.81 | 186.34 | 184.66.0 | | 21 |
| | 3 | 187.38 | 187.52 | 187.62.0 | | 20 |
| | 4 | 187.96 | 188.02 | 188.08.0 | | 20 |
| #2 | 1 | 190.14 | 190.28 | 189.67.0 | P15 | 23 |
| | 2 | 190.55 | 190.64 | 189.68.5 | | 23 |
| | 3 | 190.95 | 191.05 | 189.68.5 | | 23 |
| | 4 | 191.37 | 191.46 | 189.68.5 | | 22 |
| #3 | 1 | 193.64 | 193.72 | 190.15 | P16 | 25 |
| | 2 | 193.98 | 194.06 | 190.169.0 | | 25 |
| | 3 | 194.32 | 194.40 | 189.68.5 | | 25 |
| | 4 | 194.66 | 194.74 | 189.68.5 | | 25 |
| #4 | 1 | 195.79 | 195.85 | 193.0 | P17 | 23 |
| | 2 | 196.06 | 196.12 | 193.0 | | 23 |
| | 3 | 196.33 | 196.39 | 193.0 | | 21 |
| | 4 | 196.60 | 196.66 | 193.0 | | 21 |
| #5 | 1 | 197.70 | 197.70 | 193.0 | P18 | 16 |
| | 2 | 197.70 | 197.70 | 193.0 | | 17 |
| | 3 | 197.70 | 197.70 | 193.0 | | 18 |
| | 4 | 197.70 | 197.70 | 193.0 | | 18 |
| #6 | 1 | 198.79 | 198.79 | 193.0 | P19 | 16 |
| | 2 | 198.79 | 198.79 | 193.0 | | 15 |
| | 3 | 198.79 | 198.79 | 193.0 | | 15 |
| | 4 | 198.79 | 198.79 | 193.0 | | 15 |

* If it becomes necessary to raise this grade the Engineer shall make certain that a minimum cover of 6" can be maintained above the footing. (Side Slope, Southbound Lane)

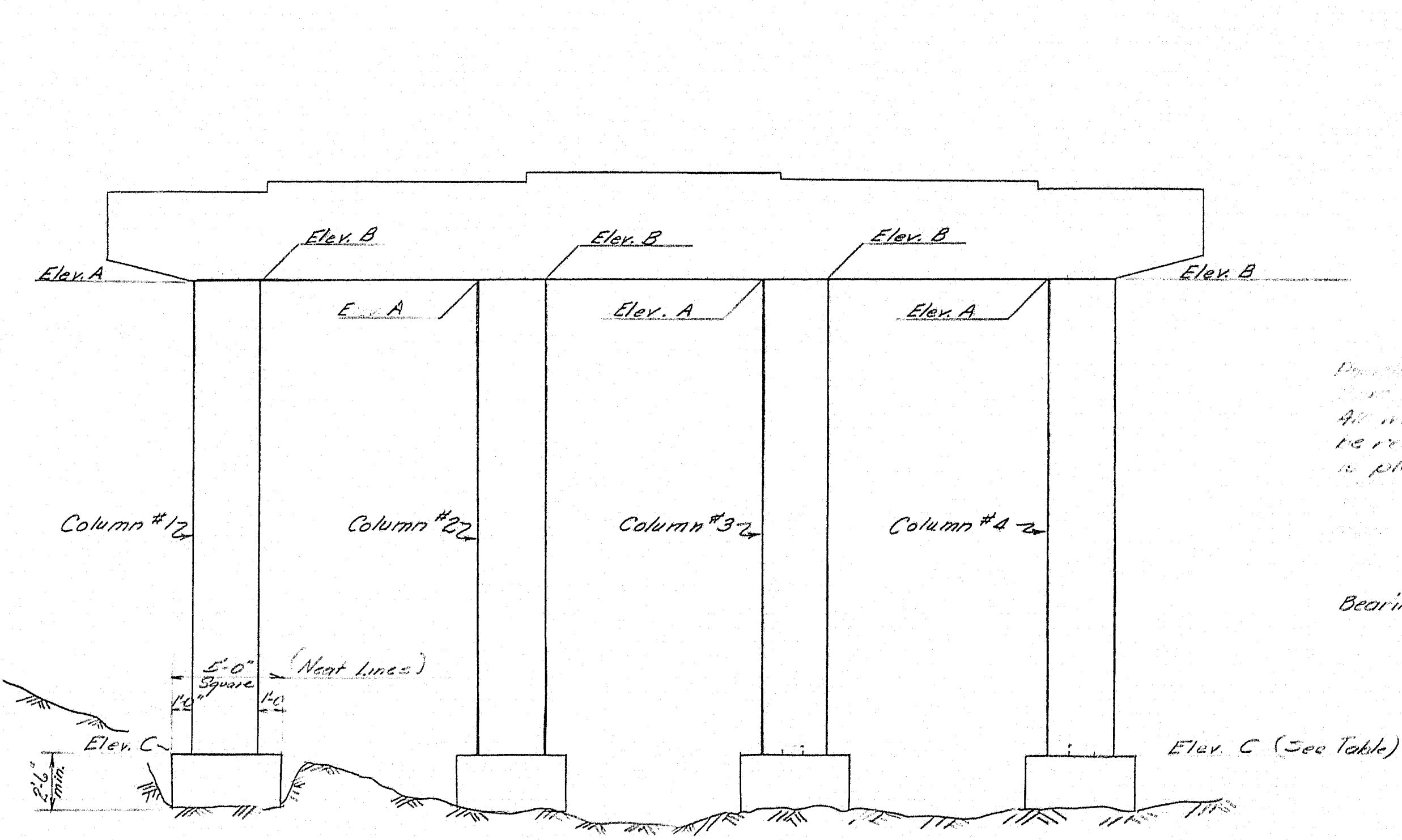
SECTION A-A

SECTION B-B



ELEVATION

END ELEVATION



ELEVATION

NOTES

1. Dimensions shown on this drawing are for the bridge structure only. Dimensions for the approach and abutments are shown on the respective drawings.

2. All weathered or broken ledge shall be removed before any footing concrete is placed.

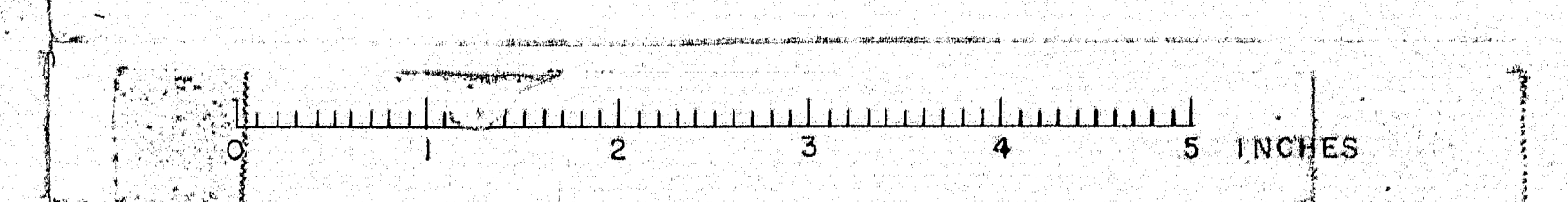
3. The bearing pressure on the footings shall not exceed 10.0 tons/sq. ft.

Footings side forms may be omitted if approved by the Engineer. No payment will be made for cement or concrete outside the neat lines shown.

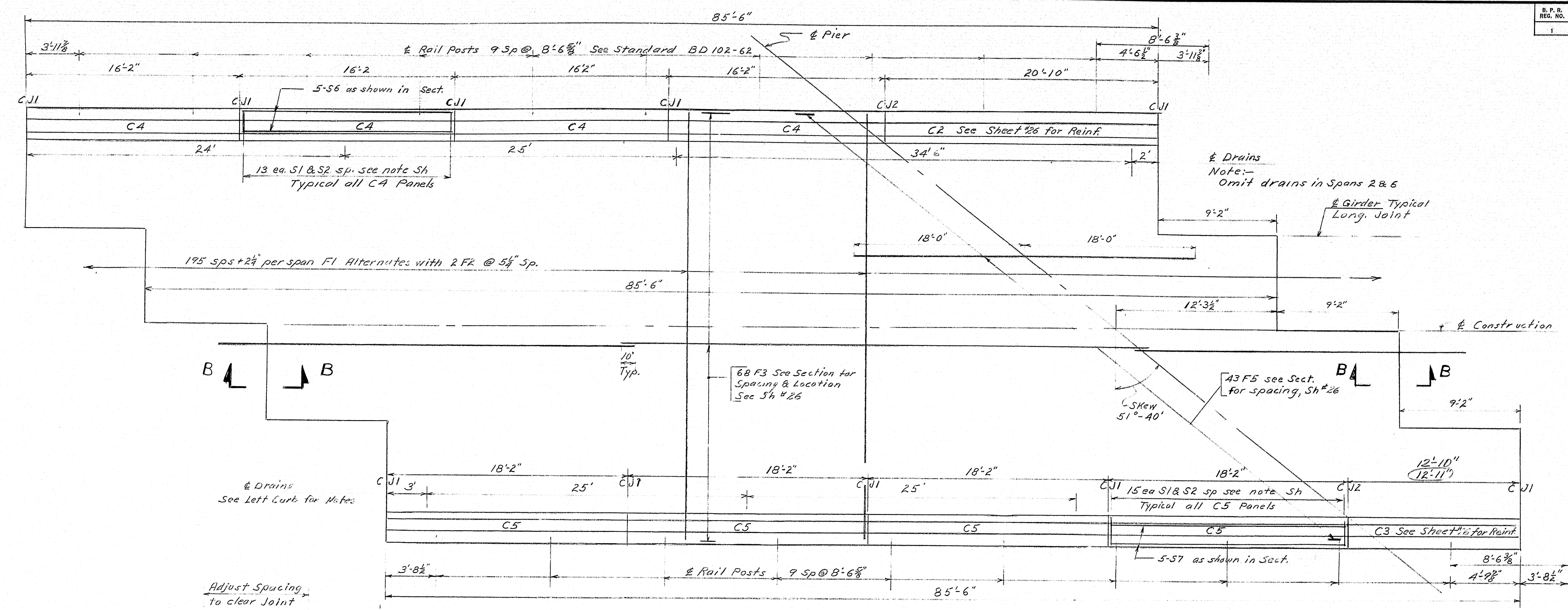
In case of overbreakage of ledge downward, no payment will be made for structural Rock Excavation Pier, Concrete and Cement more than 3'-0" below the elevation "C".

| | |
|---|-------------------|
| DESIGN - N.L.J. DET-CHACE | BRIDGE NO. 87-143 |
| TRACE - T.H.K. | SURVEY - PLOT - |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| MUTTON LANE OVER INTERSTATE 95 IN THE TOWN OF CLINTON KENNEBEC COUNTY PIERS | |
| SHEET 23 OF 30 AUGUSTA, MAINE MARCH 1963 | |

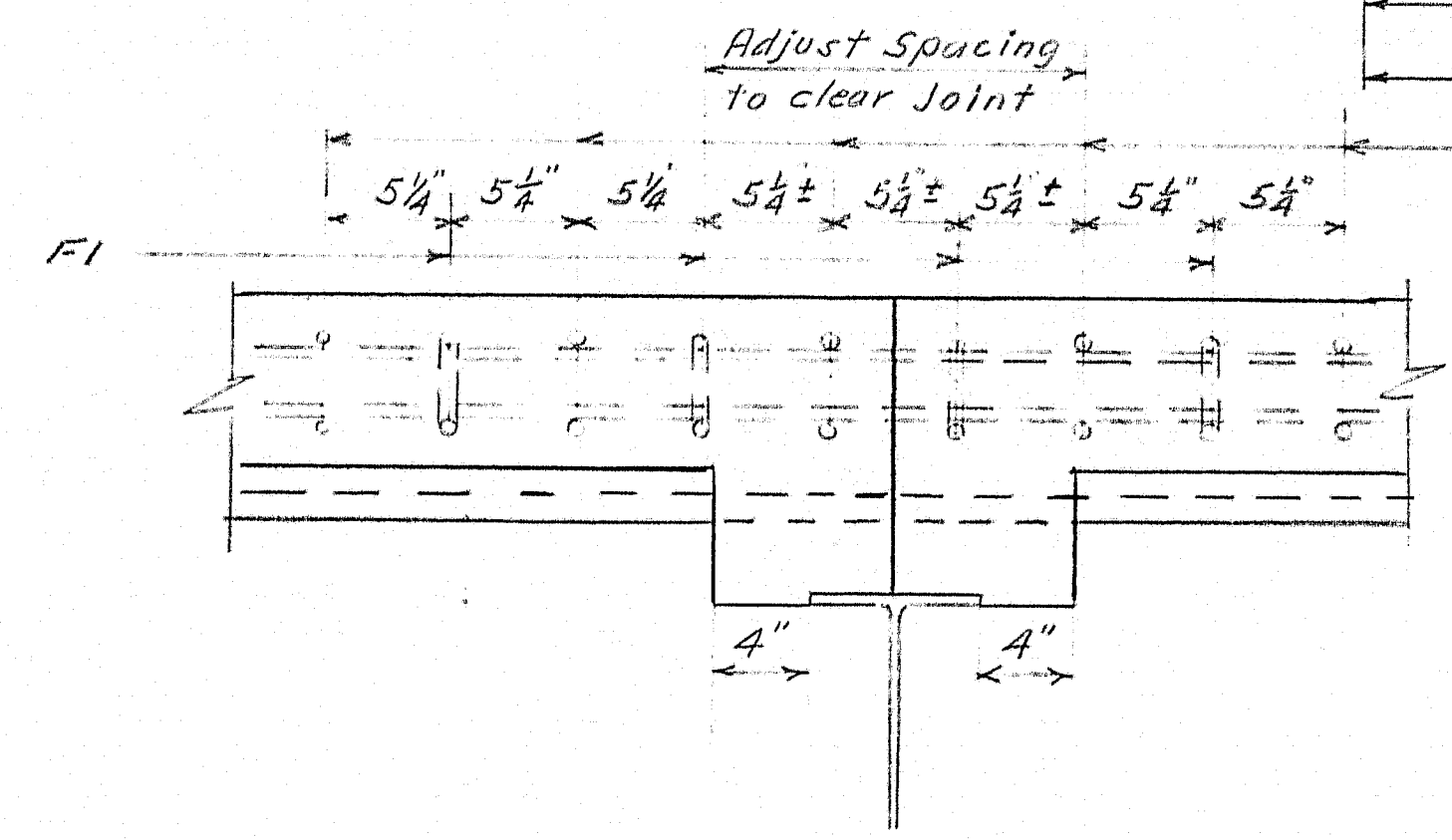
Field rev. posted 1-11-65 JPHicks



| S. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|-----------|--------------|
| 1 | MAINE | I-95-R(4) | 27 | 30 |

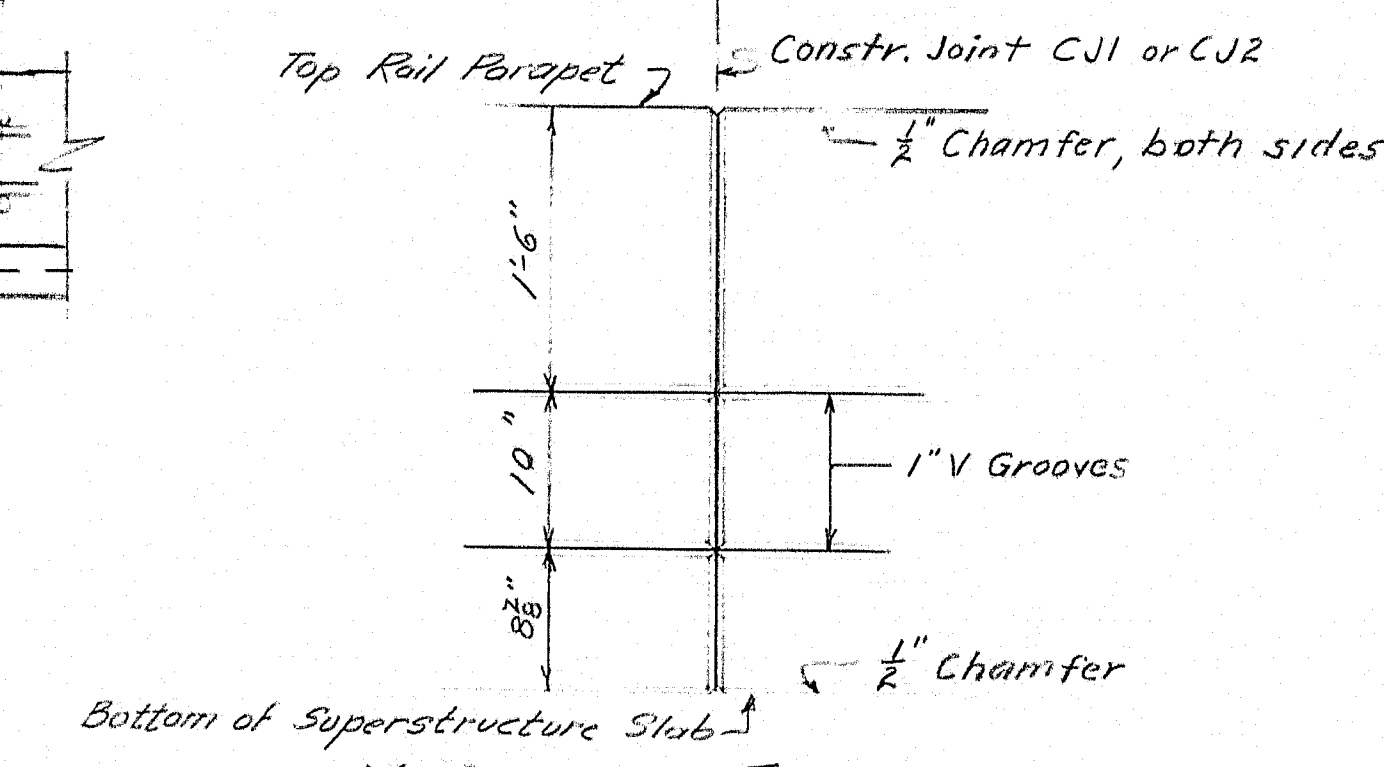


PLAN FOR INTERIOR SPANS
See Sheet #20 for Section

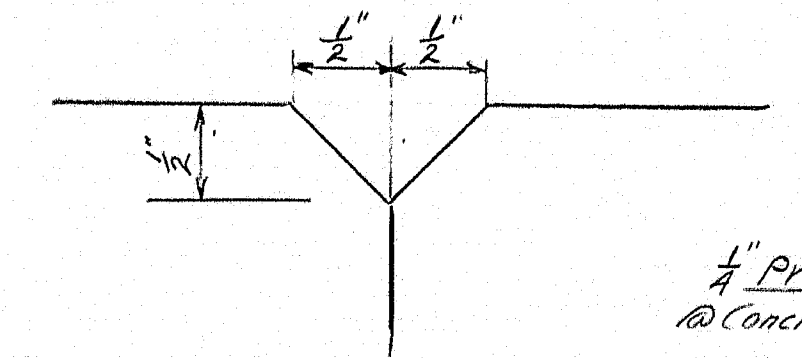


SECTION "BB"

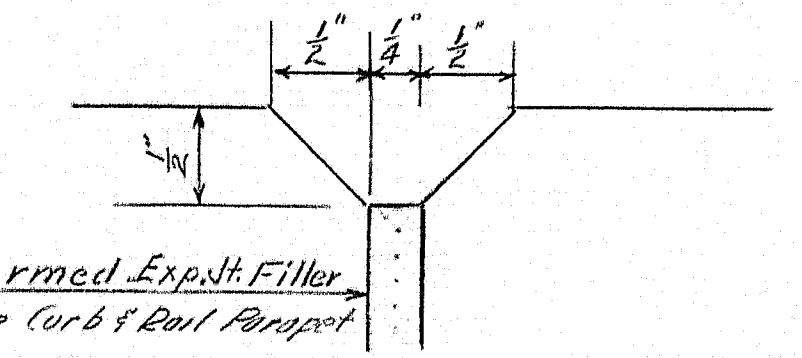
Note: Bar designation may alternate
Typical at Slab
Construction Joints.



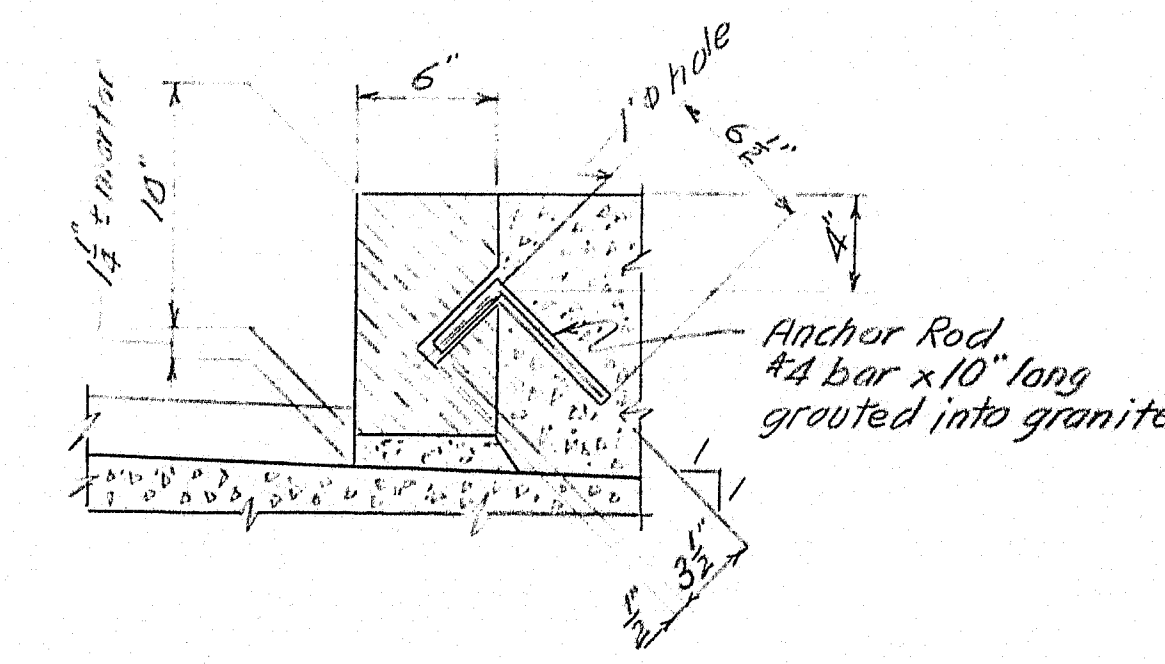
V GROOVE ELEVATION



1" V GROOVE
Also use at CJ1. Use on both faces
and top of Rail Parapet, across
Safety Curb to Granite.
Break bond at CJ1, with Asphalt
Paint on Concrete Curb and Rail
Parapet. 1" V-Groove to extend
Vertically along roadway slab
of each CJ1.



V GROOVE AT CJ2
Typical at joint over Piers
Use 1/4" Preformed Exp. Jt Filler
between Granite Curb, Concrete
Curb, and Rail Parapet
Sections. 1" V-Groove to extend
Vertically along roadway slab
of each CJ2.



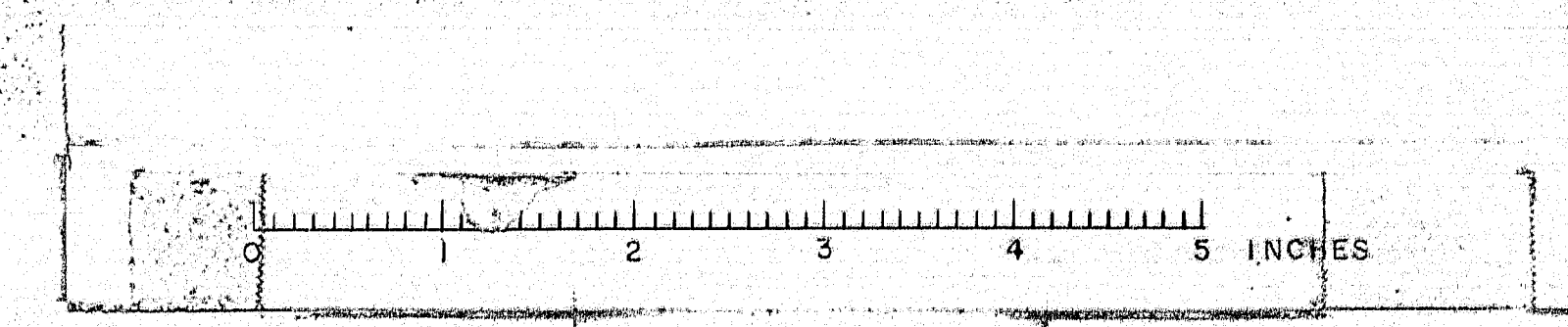
TYPICAL GRANITE BRIDGE CURB

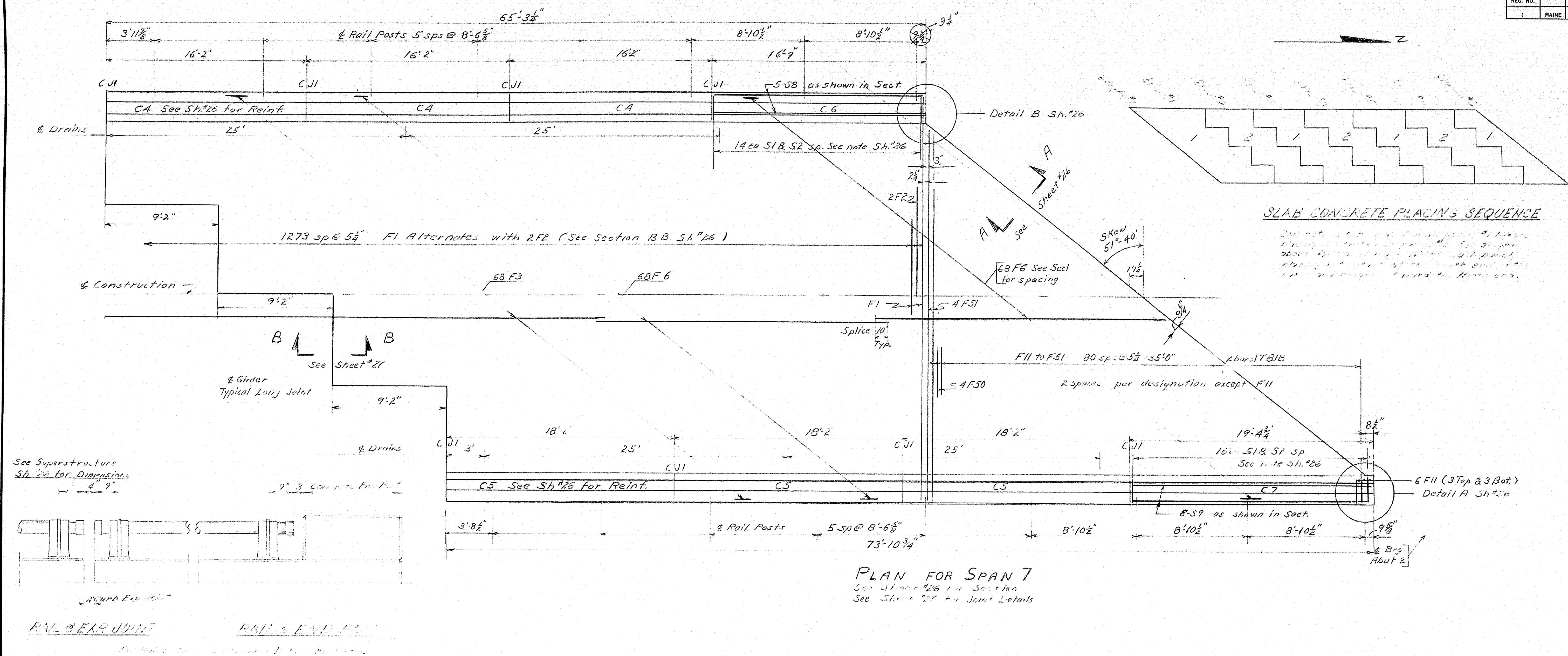
There is to be a joint in the granite
curb at each curb construction joint.
Granite curb at CJ1 is to be mortared
and pointed. Granite curb at CJ2 will
not be mortared and pointed, but will
have 1/4" Preformed Expansion Joint
Filler as shown in "V Groove at CJ2"
detail.

Notes.
CJ1 & CJ2 denotes type of
Construction Joints.
Exp. Jt. denotes Expansion Joint.

| | |
|--|----------------------------------|
| DESIGN - N.L.J. DET - P.J.L. TRACE - CHECK - A. Lyon | BRIDGE NO. SURVEY - PLOT - |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| MUTTON LANE OVER INTERSTATE 95 IN THE TOWN OF CLINTON KENNEBEC COUNTY 147 | |
| SUPERSTRUCTURE INTERIOR SPANS SHEET 27 OF 30 AUGUSTA, MAINE MARCH 1963 | |

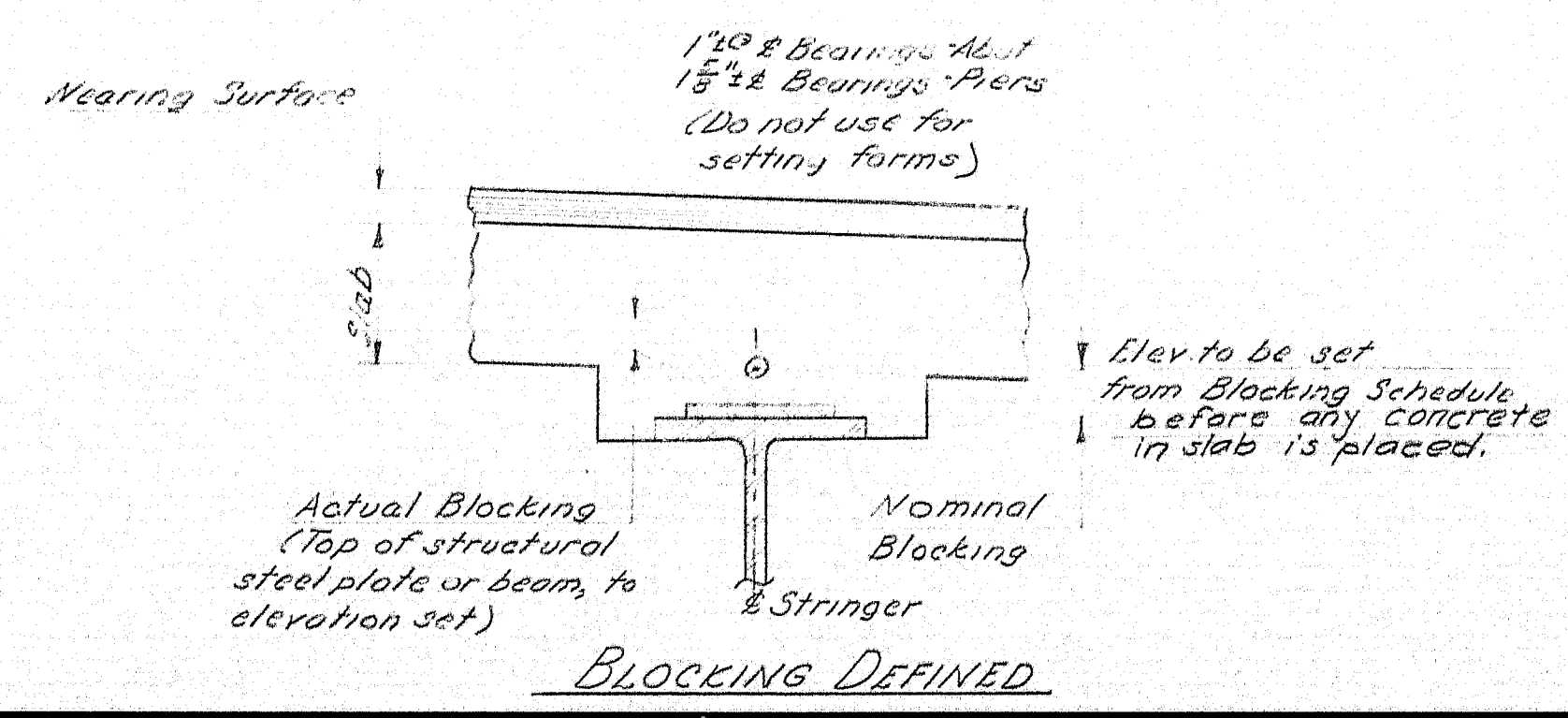
Field rev. - 1-11-65 JPH





BOTTOM OF SLAB ELEVATIONS - Deflections by J. Ault; checked by J. Chandler -

| Pier | Abut | 1 | 2 | 3 | 4 | Pier #1 | 1 | 2 | 3 | 4 | Pier #2 | 1 | 2 | 3 | 4 | Pier #3 | 1 | 2 | 3 | 4 | Pier #4 | 1 | 2 | 3 | 4 | Pier #5 | 1 | 2 | 3 | 4 | Pier #6 | 1 | 2 | 3 | 4 | Abut #2 | Foot |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|---------|--------|--------|--------|--------|---------|--------|--------|--------|--------|---------|--------|--------|--------|--------|---------|--------|--------|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Beam a | 192.78 | 191.69 | 192.54 | 193.34 | 194.09 | 194.82 | 195.65 | 196.46 | 197.21 | 197.92 | 198.63 | 199.34 | 200.02 | 200.65 | 201.22 | 201.78 | 202.34 | 202.89 | 203.39 | 203.84 | 204.27 | 204.71 | 205.14 | 205.51 | 205.81 | 206.10 | 206.38 | 206.66 | 206.89 | 207.07 | 207.26 | 207.46 | 207.65 | 207.76 | 207.80 | 207.77 | Beam a |
| Beam b | 191.43 | 192.33 | 193.17 | 193.96 | 194.69 | 195.41 | 196.22 | 197.02 | 197.76 | 198.46 | 199.15 | 199.84 | 200.52 | 201.13 | 201.69 | 202.23 | 202.78 | 203.32 | 203.80 | 204.23 | 204.65 | 205.08 | 205.49 | 205.84 | 206.14 | 206.40 | 206.68 | 206.94 | 207.15 | 207.32 | 207.50 | 207.69 | 207.86 | 207.96 | 207.98 | 207.93 | Beam b |
| Beam c | 192.07 | 192.96 | 193.80 | 194.56 | 195.29 | 196.00 | 196.79 | 197.57 | 198.31 | 198.99 | 199.66 | 200.34 | 201.00 | 201.60 | 202.14 | 202.67 | 203.20 | 203.73 | 204.20 | 204.61 | 205.02 | 205.43 | 205.83 | 206.17 | 206.45 | 206.70 | 206.96 | 207.21 | 207.41 | 207.57 | 207.73 | 207.90 | 208.05 | 208.14 | 208.15 | 208.09 | Beam c |
| Beam d | 192.41 | 193.29 | 194.11 | 194.86 | 195.57 | 196.27 | 197.05 | 197.82 | 198.54 | 199.20 | 199.87 | 200.53 | 201.17 | 201.76 | 202.29 | 202.80 | 203.32 | 203.83 | 204.29 | 204.69 | 205.08 | 205.48 | 205.86 | 206.19 | 206.45 | 206.69 | 206.94 | 207.18 | 207.36 | 207.50 | 207.65 | 207.81 | 207.94 | 208.02 | 208.02 | 207.94 | Beam d |
| Beam e | 192.74 | 193.61 | 194.42 | 195.16 | 195.85 | 196.54 | 197.31 | 198.06 | 198.76 | 199.41 | 200.06 | 200.71 | 201.34 | 201.91 | 202.43 | 202.93 | 203.43 | 203.93 | 204.37 | 204.76 | 205.13 | 205.52 | 205.89 | 206.20 | 206.45 | 206.68 | 206.91 | 207.13 | 207.30 | 207.43 | 207.56 | 207.71 | 207.83 | 207.89 | 207.87 | 207.78 | Beam e |



Slab Post Spacing Revised
2-17-64
J.H.
Ck. A. Lynn 2-17-64

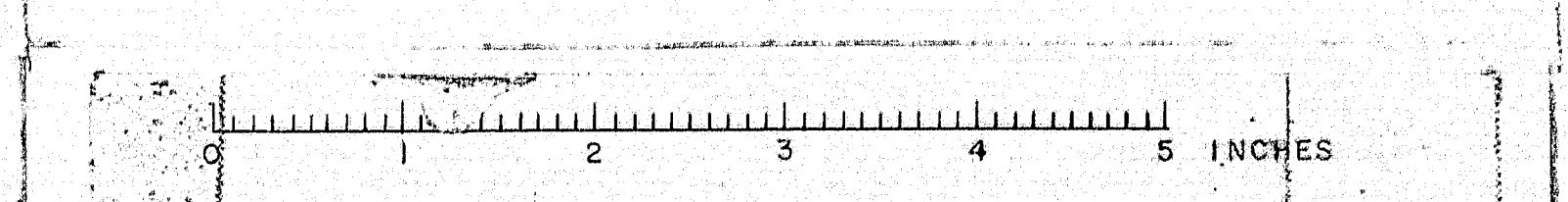
DESIGN - N.L.J. DET - P.J.L.
TRACE - ALYON
CHECK - ALYON

BRIDGE NO. SURVEY - PLOT -

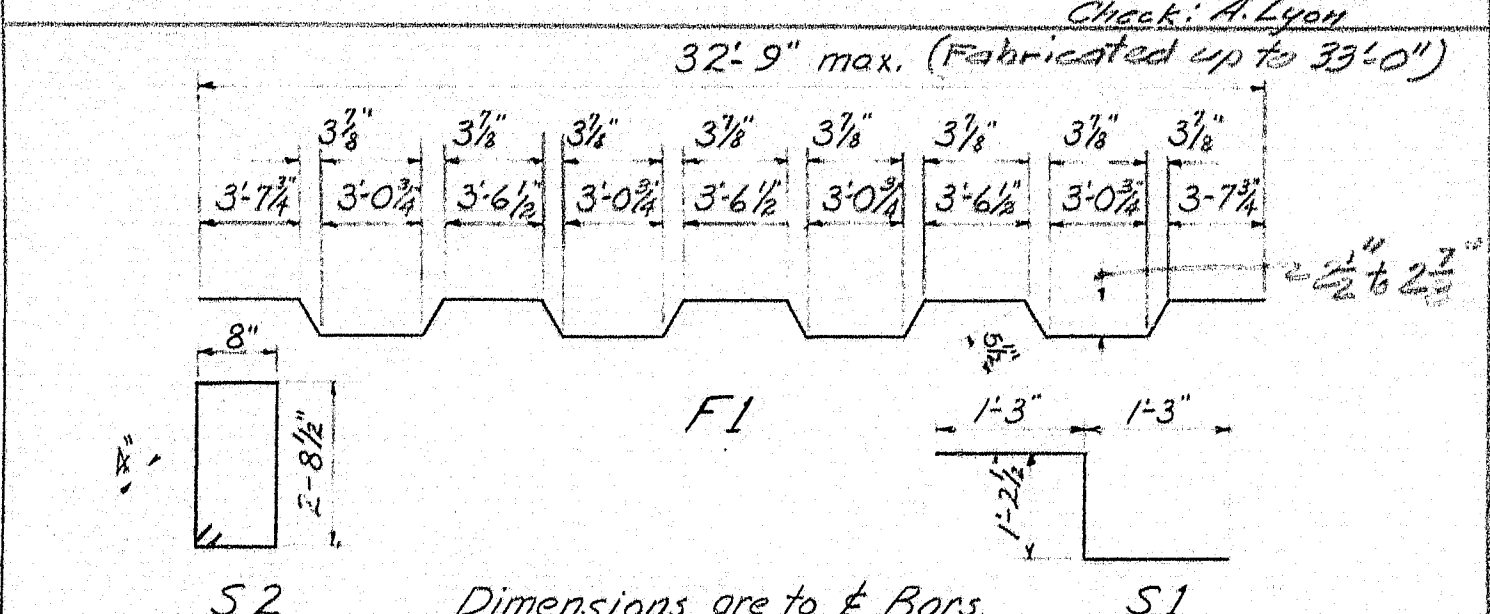
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
MUTTON LANE
OVER
INTERSTATE 95
IN THE TOWN OF
CLINTON
KENNEBEC COUNTY

SUPERSTRUCTURE SPAN 7
SHEET 28 OF 30 AUGUSTA, MAINE MARCH 1963

Field rev. - None **87-148**



REINF. of SUPERSTRUCTURE



Check: A. Lyon
32'-9" max. (Fabricated up to 33'-0")

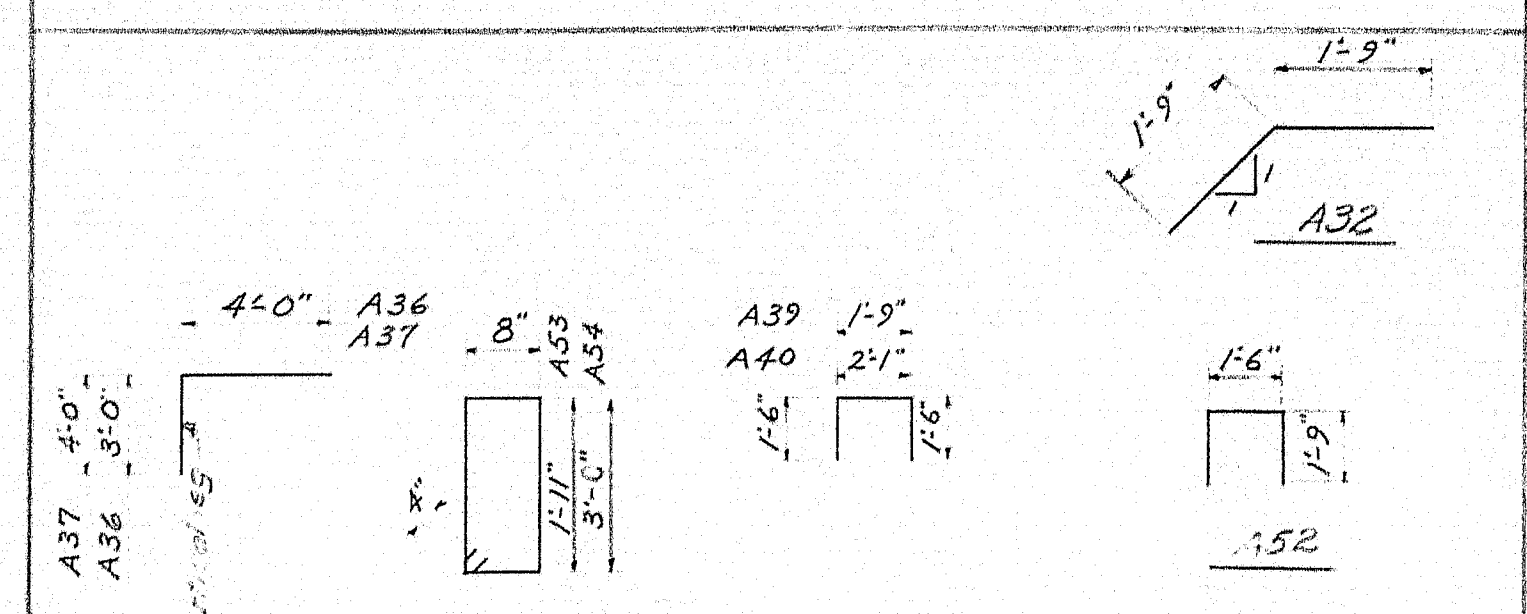
| MARK | SIZE | NUMBER | LENGTH | LOCATION |
|------|------|--------|-----------|----------------------|
| F1 | 5 | 637 | 33'-10" | Transverse Slab |
| S1 | 4 | 982 | 3'-8 1/2" | Curb & Slab |
| S2 | 4 | 982 | 7'-5" | Curb Parapet to Slab |

Dimensions are to \pm Bors.

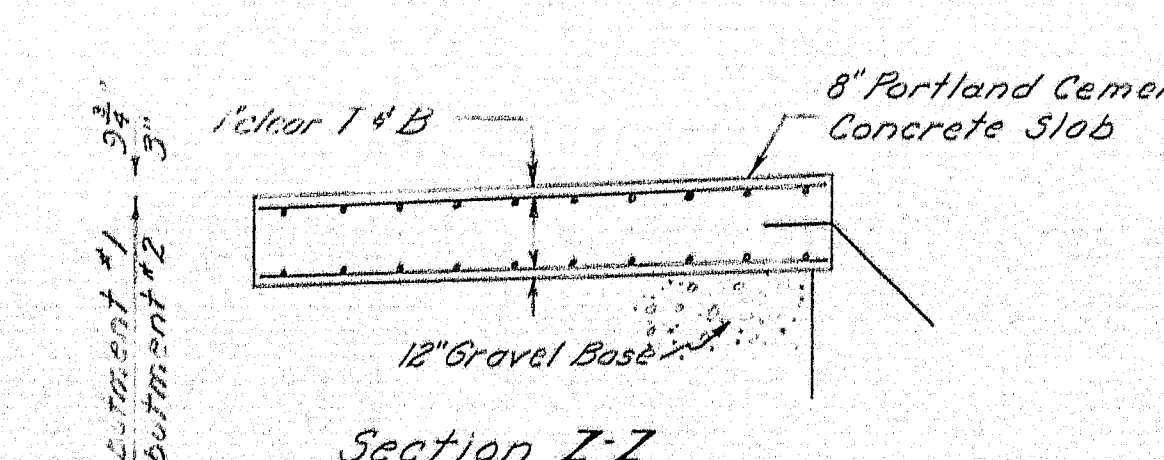
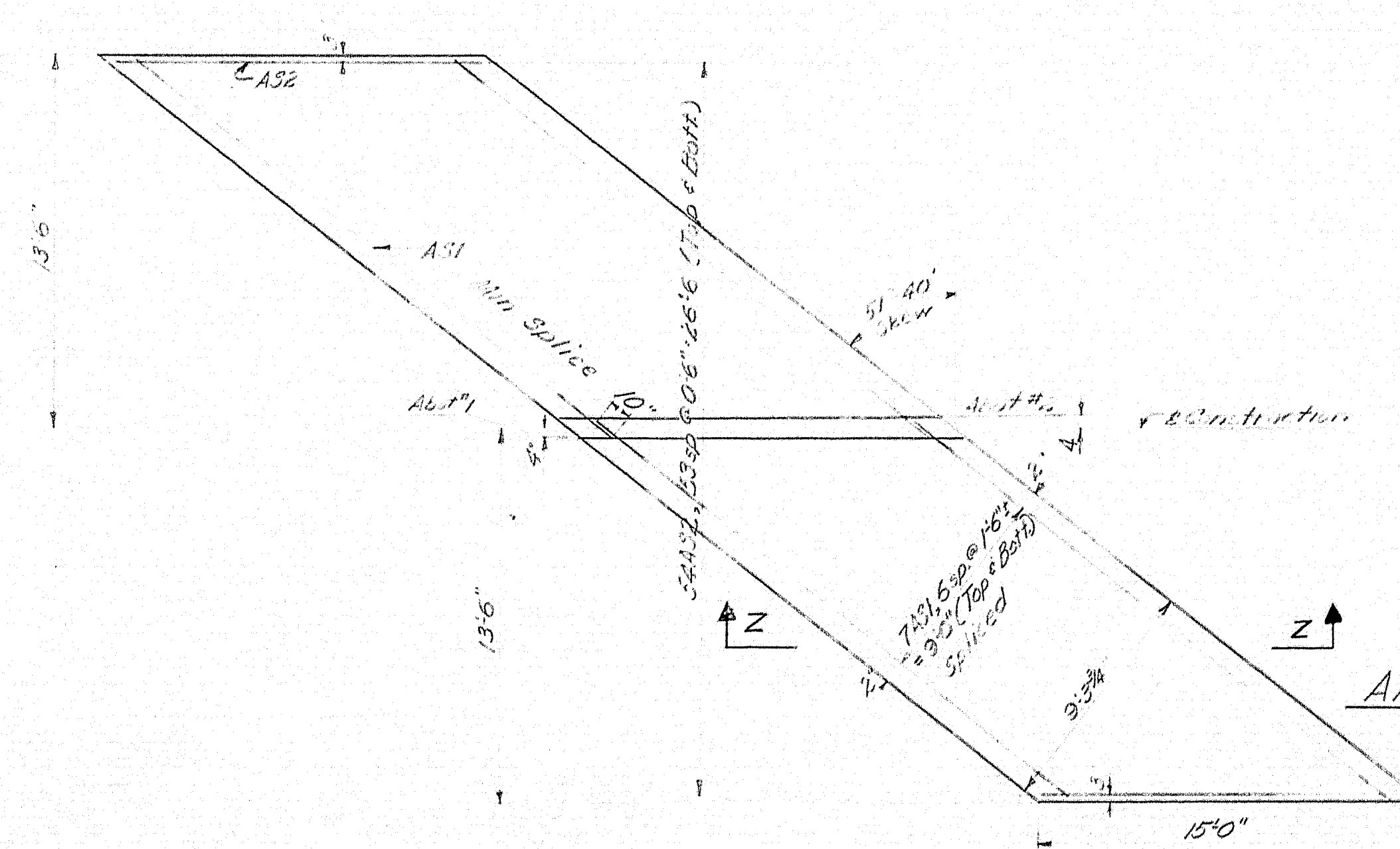
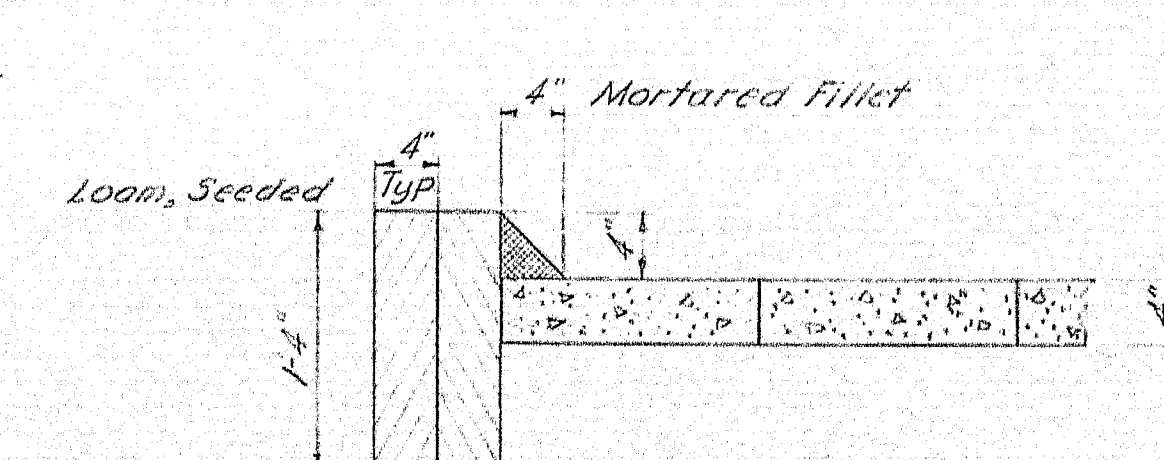
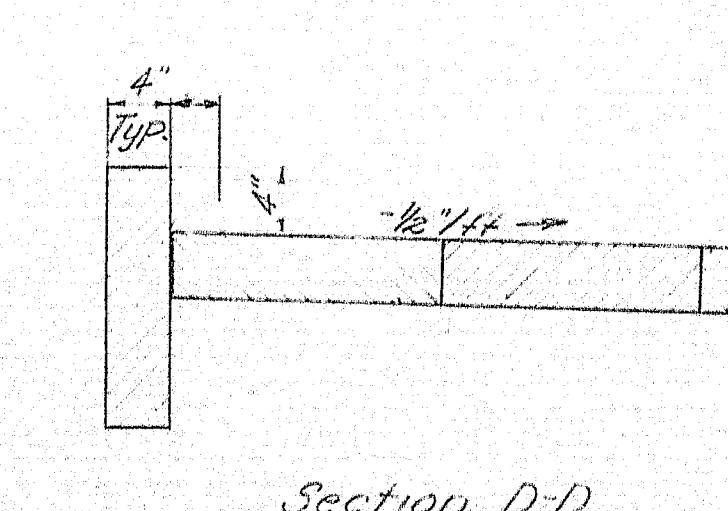
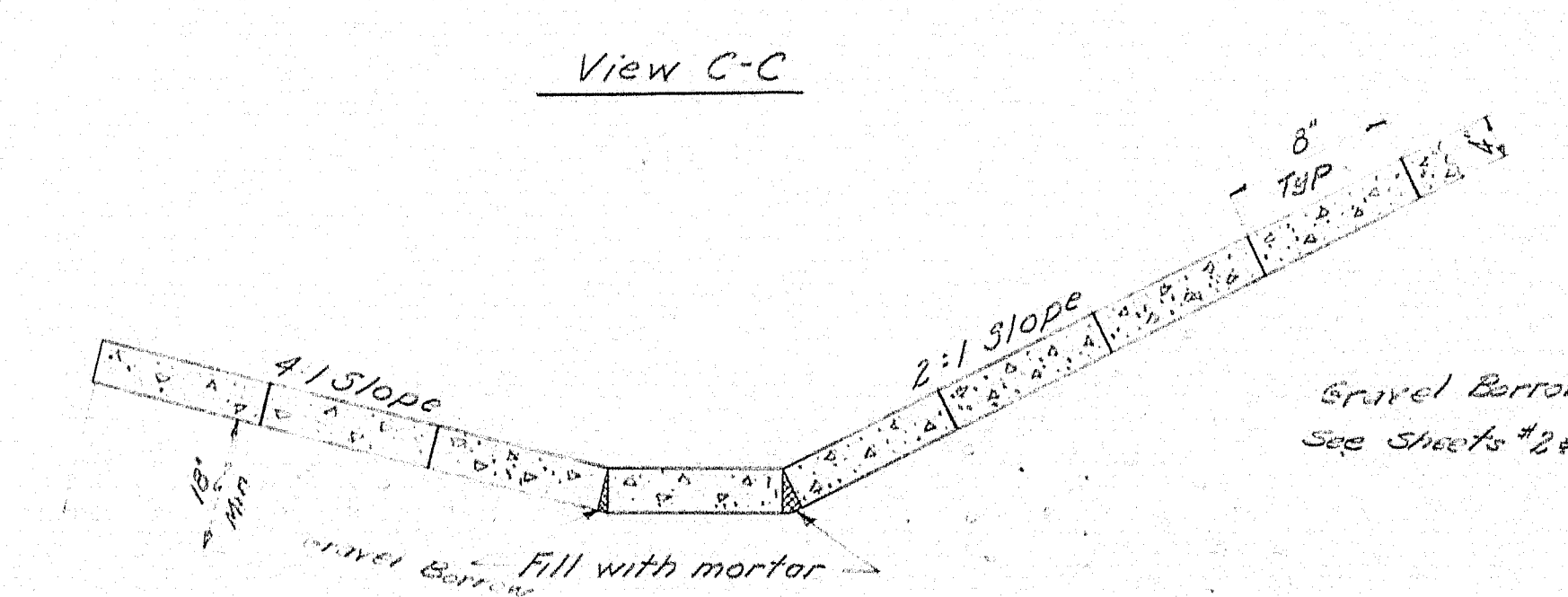
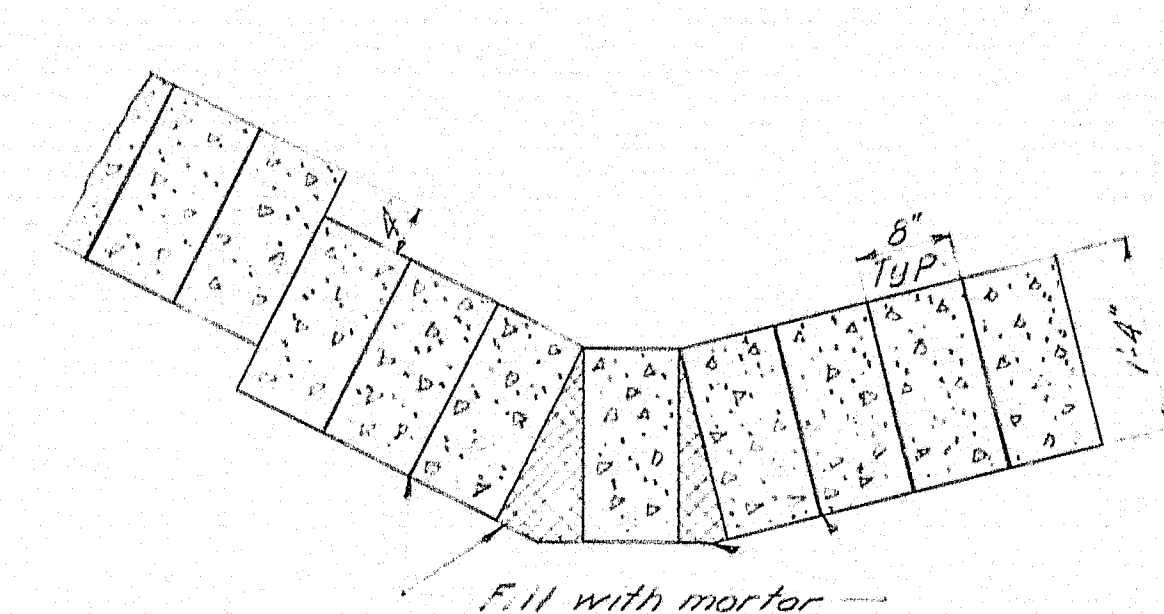
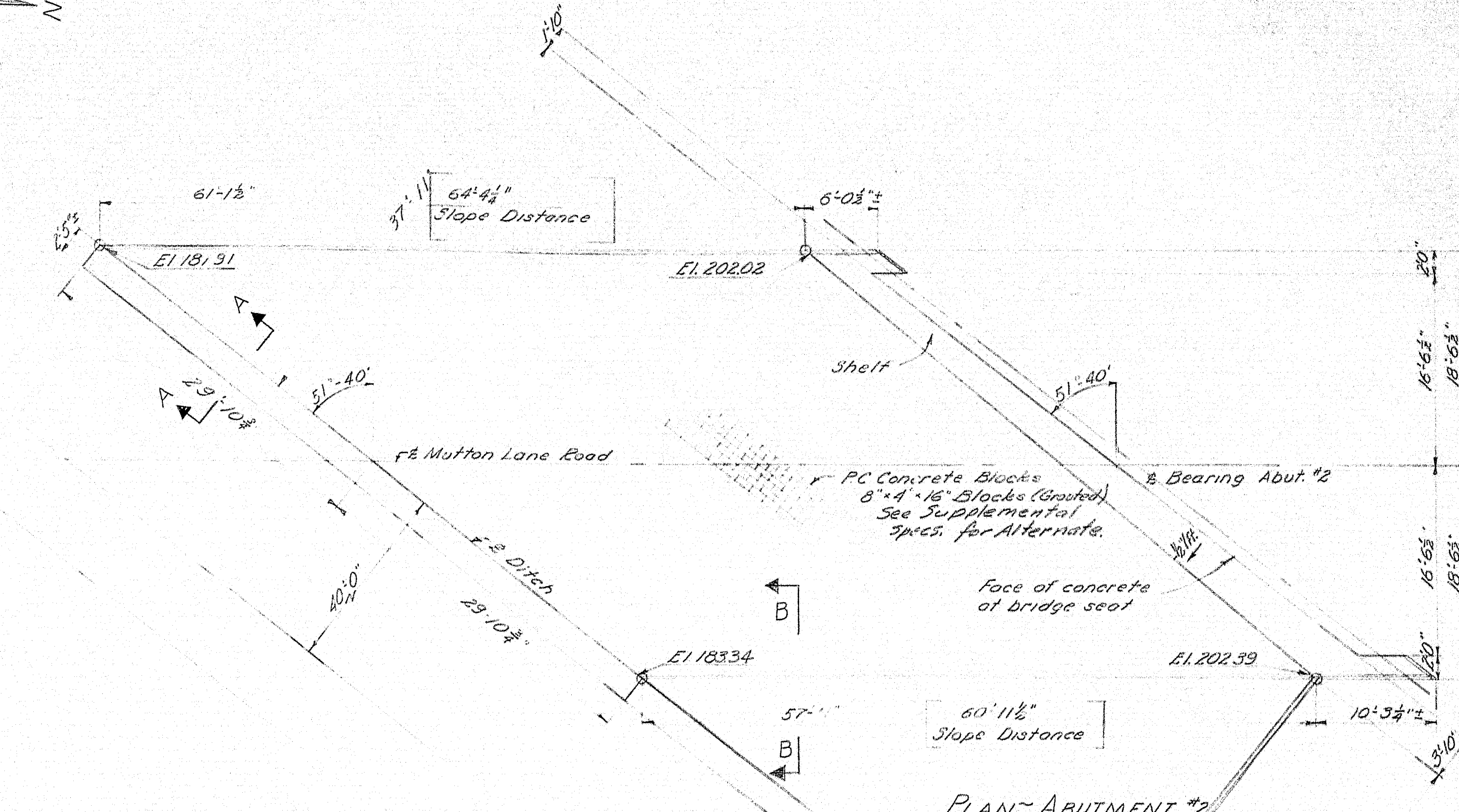
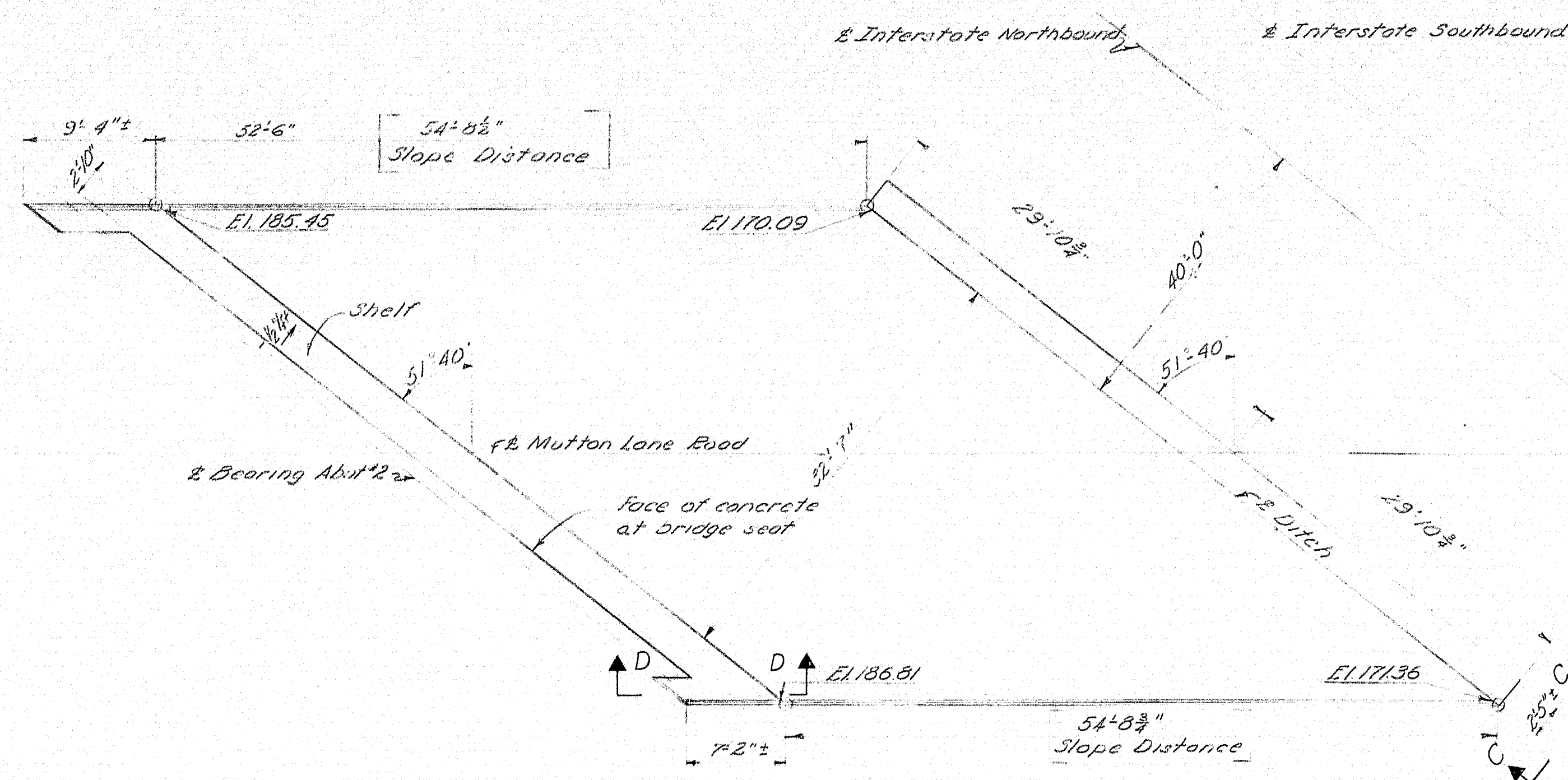
| MARK | SIZE | NUMBER | LENGTH | LOCATION |
|------|------|--------|--------|--------------------------------|
| F2 | 5 | 1274 | 32'-9" | Transverse Slab |
| F3 | 4 | 684 | 43'-0" | Slab Distribution |
| F4 | 5 | 43 | 34'-0" | Slab Top @ Pier 1 |
| F5 | 5 | 215 | 36'-0" | Slab Top @ Pier 2, 3, 4, 5 & 6 |
| F6 | 4 | 132 | 23'-0" | Slab Distribution |

| MARK | SIZE | NUMBER | LENGTH | LOCATION |
|------|------|--------|---------|------------------------------|
| F11 | 5 | 12 | 2'-2" | Transverse Slab, Spans 1 & 7 |
| F12 | 4 | 8 | 2'-1" | |
| F13 | 4 | 8 | 3'-5" | |
| F14 | 4 | 8 | 4'-1" | |
| F15 | 4 | 8 | 4'-10" | |
| F16 | 4 | 8 | 5'-6" | |
| F17 | 4 | 8 | 6'-2" | |
| F18 | 4 | 8 | 7'-0" | |
| F19 | 4 | 8 | 7'-7" | |
| F20 | 4 | 8 | 8'-3" | |
| F21 | 4 | 8 | 9'-0" | |
| F22 | 4 | 8 | 9'-7" | |
| F23 | 4 | 8 | 10'-4" | |
| F24 | 4 | 8 | 11'-1" | |
| F25 | 4 | 8 | 11'-3" | |
| F26 | 4 | 8 | 12'-5" | |
| F27 | 4 | 8 | 13'-1" | |
| F28 | 4 | 8 | 13'-11" | |
| F29 | 4 | 8 | 14'-0" | |
| F30 | 4 | 8 | 15'-1" | |
| F31 | 4 | 8 | 15'-7" | |
| F32 | 4 | 8 | 16'-7" | |
| F33 | 4 | 8 | 17'-3" | |
| F34 | 4 | 8 | 18'-0" | |
| F35 | 4 | 8 | 18'-0" | |
| F36 | 4 | 8 | 19'-4" | |
| F37 | 4 | 8 | 20'-1" | |
| F38 | 4 | 8 | 20'-3" | |
| F39 | 4 | 8 | 21'-5" | |
| F40 | 4 | 8 | 22'-1" | |
| F41 | 4 | 8 | 22'-1" | |
| F42 | 4 | 8 | 23'-0" | |
| F43 | 4 | 8 | 24'-7" | |
| F44 | 4 | 8 | 24'-11" | |
| F45 | 4 | 8 | 25'-7" | |
| F46 | 4 | 8 | 26'-3" | |
| F47 | 4 | 8 | 27'-0" | |
| F48 | 4 | 8 | 27'-5" | |
| F49 | 4 | 8 | 28'-4" | |
| F50 | 4 | 8 | 29'-1" | |
| F51 | 4 | 8 | 29'-3" | Transverse Slab, Spans 1 & 7 |
| S3 | 4 | 45 | 15'-6" | Curb Section C1 |
| S4 | 4 | 30 | 20'-6" | Curb Section C2 |
| S5 | 4 | 30 | 12'-6" | Curb Section C3 |
| S6 | 4 | 115 | 15'-10" | Curb Section C4 |
| S7 | 4 | 115 | 17'-10" | Curb Section C5 |
| S8 | 4 | 5 | 16'-4" | Curb Section C6 |
| S9 | 4 | 8 | 19'-1" | Curb Section C7 |
| S10 | 4 | 8 | 16'-0" | Curb Section C8 |

ABUTMENT #1



| S. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------------------|-------|----------------|-----------|--------------|
| 1 | MAINE | I-95-7(41) | 30 | 30 |

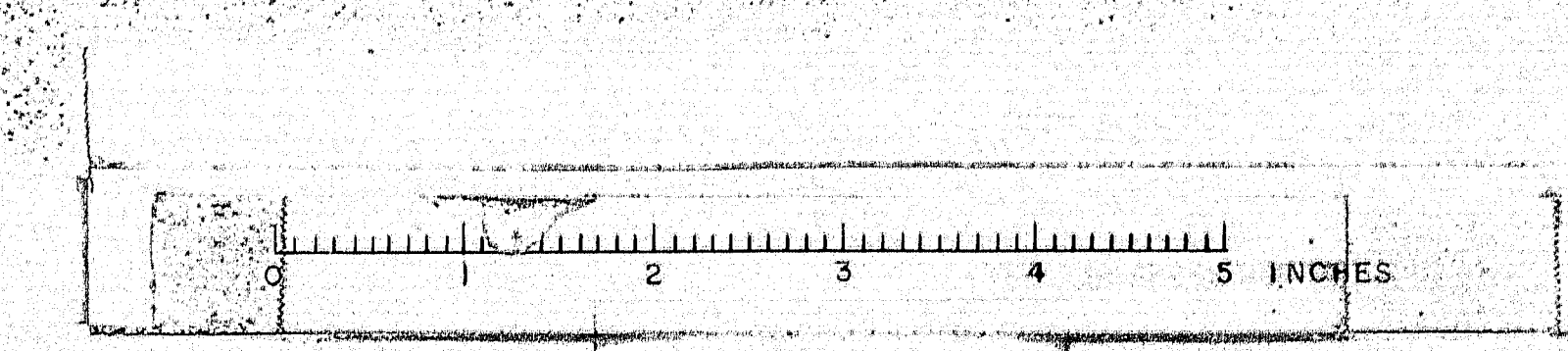


NOTE: Approach Slab Concrete shall be paid for under Item 701-33, "Portland Cement Concrete, Abutments and Retaining Walls."

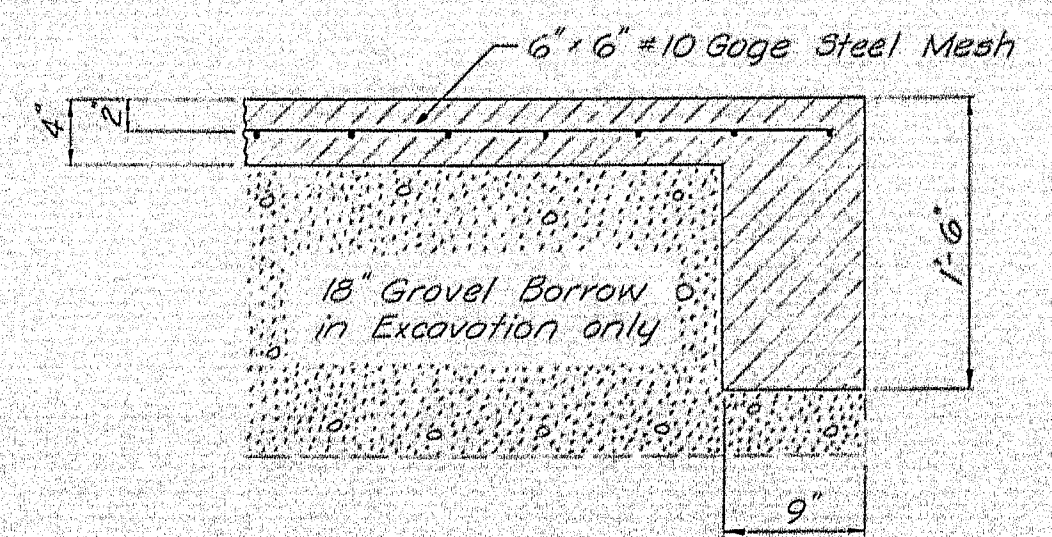
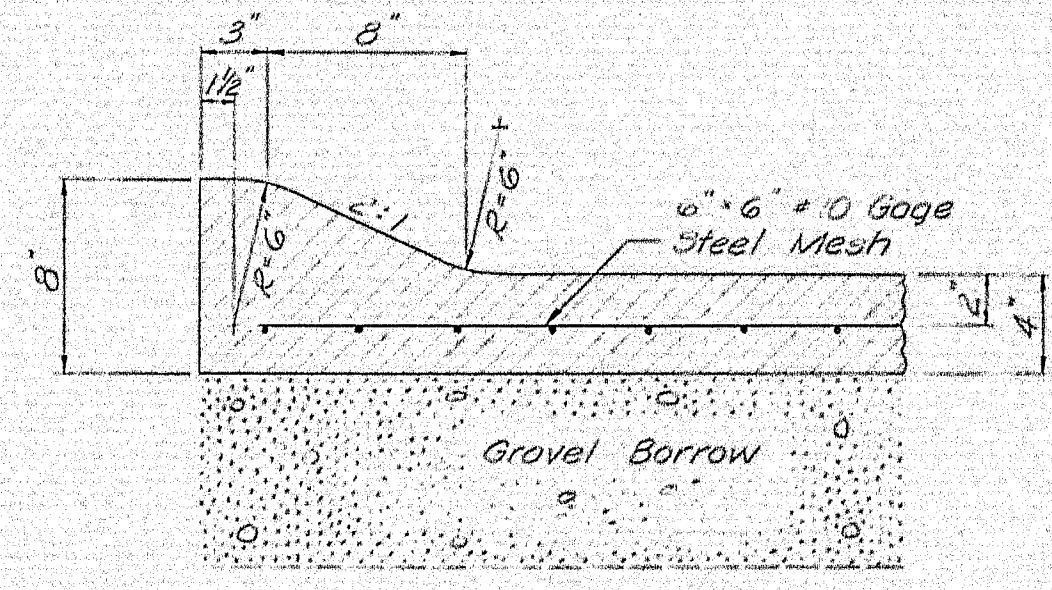
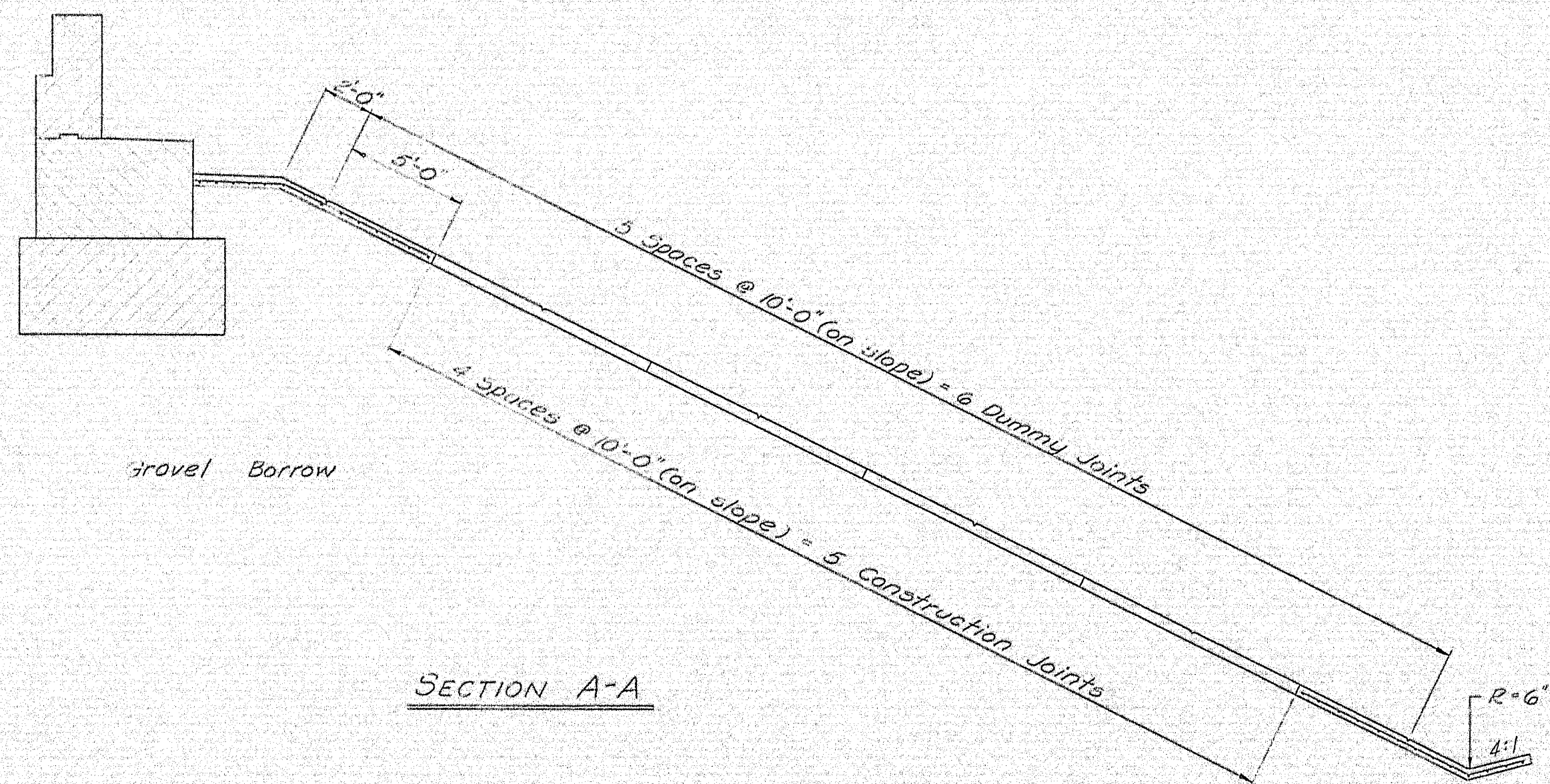
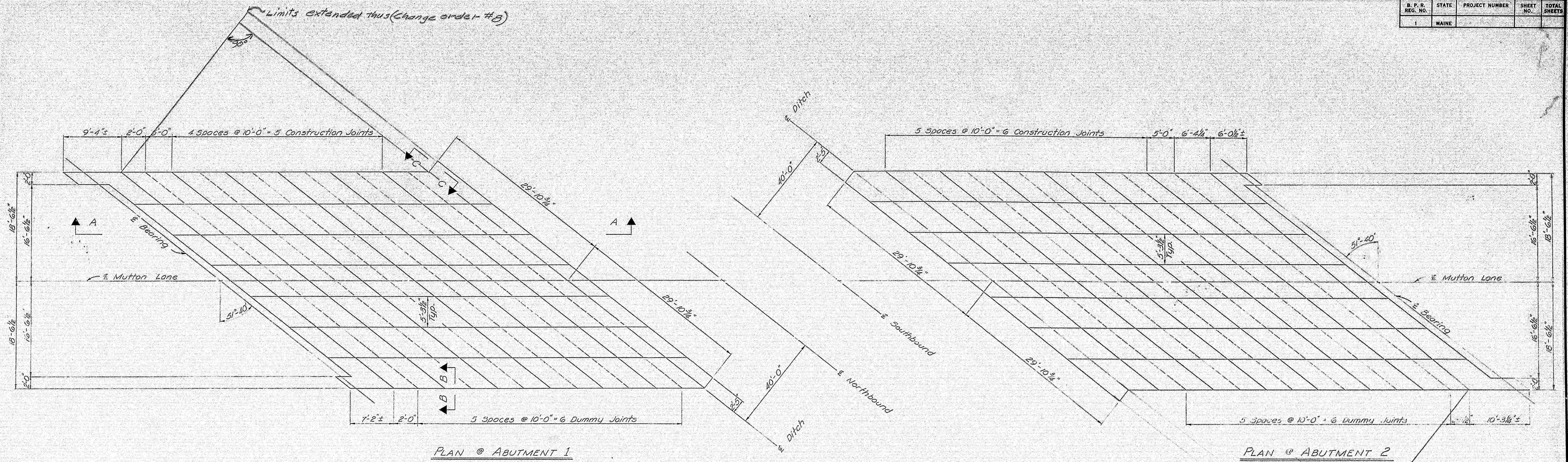
| | | |
|--|--------------|------------|
| DESIGN - N.L.J. | DET - B.S.H. | BRIDGE NO. |
| CHECK - A.Lyon | | 1-95-7(41) |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | | |
| MUTTON LANE OVER INTERSTATE 95 IN THE TOWN OF CLINTON KENNEBEC COUNTY | | |
| SLOPE PAVING & APPROACH SLABS | | |
| SHEET 30 OF 30 AUGUSTA, MAINE MARCH 1963 | | |

Field revisions posted 1-11-65 JR Hicks

87-150



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

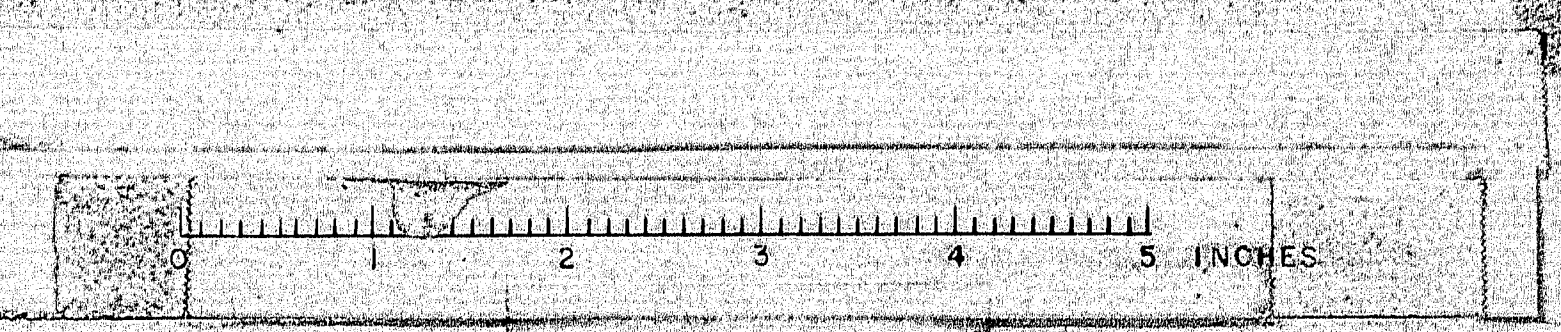


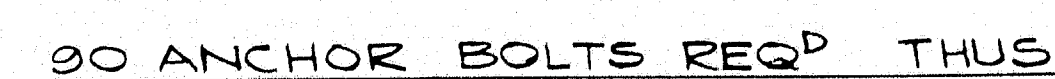
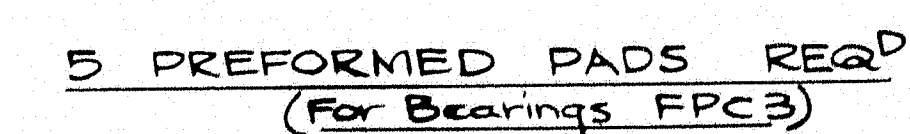
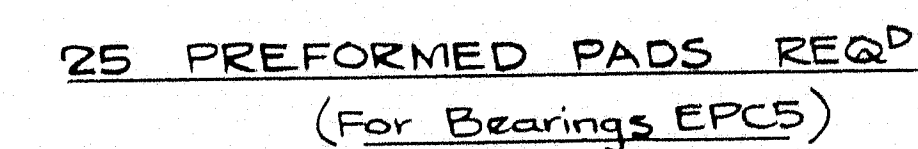
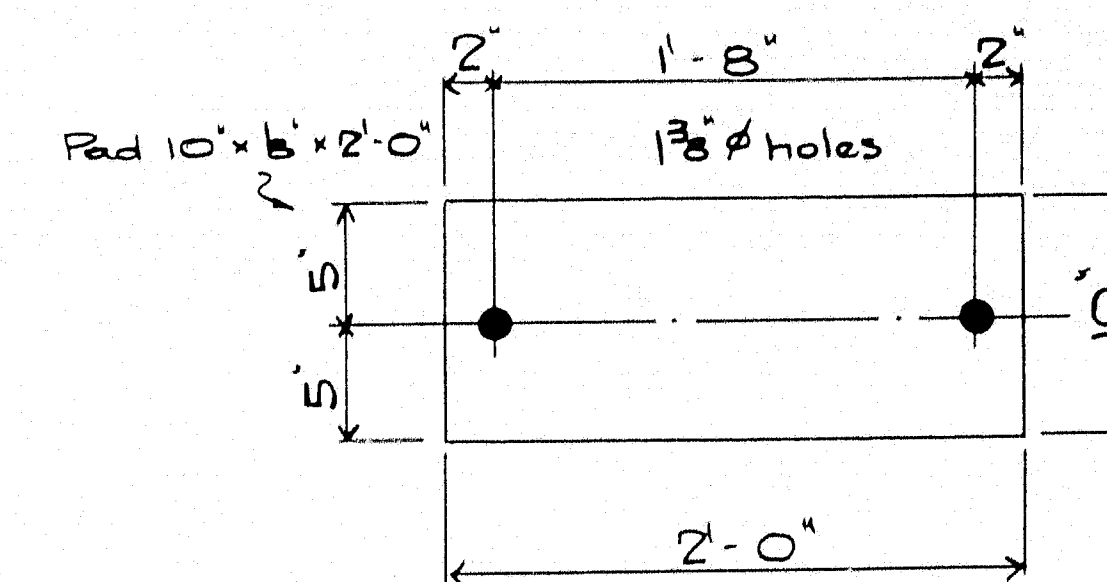
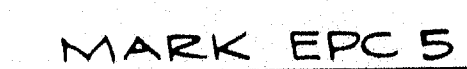
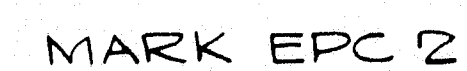
- NOTES
1. Break bond at construction joints with coat of asphalt paint.
 2. Reinforce with #13 gage 6" x 6" steel mesh, not to pass through construction joints.
 3. At contractor's option, section of same strip may be cast in order. Bond will be broken between adjoining sections with 1/2" Bituminous Treated Preformed Expansion Joint Filler.
 4. Dummy joints shall be made with a sidewalk edging tool to a depth of 1/2".
 5. Work from crest with crest 20' of this construction plans.

| | |
|---|-------------------------|
| DESIGN— E.E.L. | BRIDGE NO. |
| CHECK— R. Gray | SURVEY— |
| | PILOT— |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| MUTTON LANE OVER | |
| INTERSTATE 95 | |
| IN THE TOWN OF | |
| CLINTON | |
| KENNEBEC COUNTY | |
| ALTERNATE SLOPE PAVING | |
| SHEET 204 OF 30 | AUGUSTA, MAINE MAY 1964 |

FIELD REV. posted 1-11-65 JPH/CLS

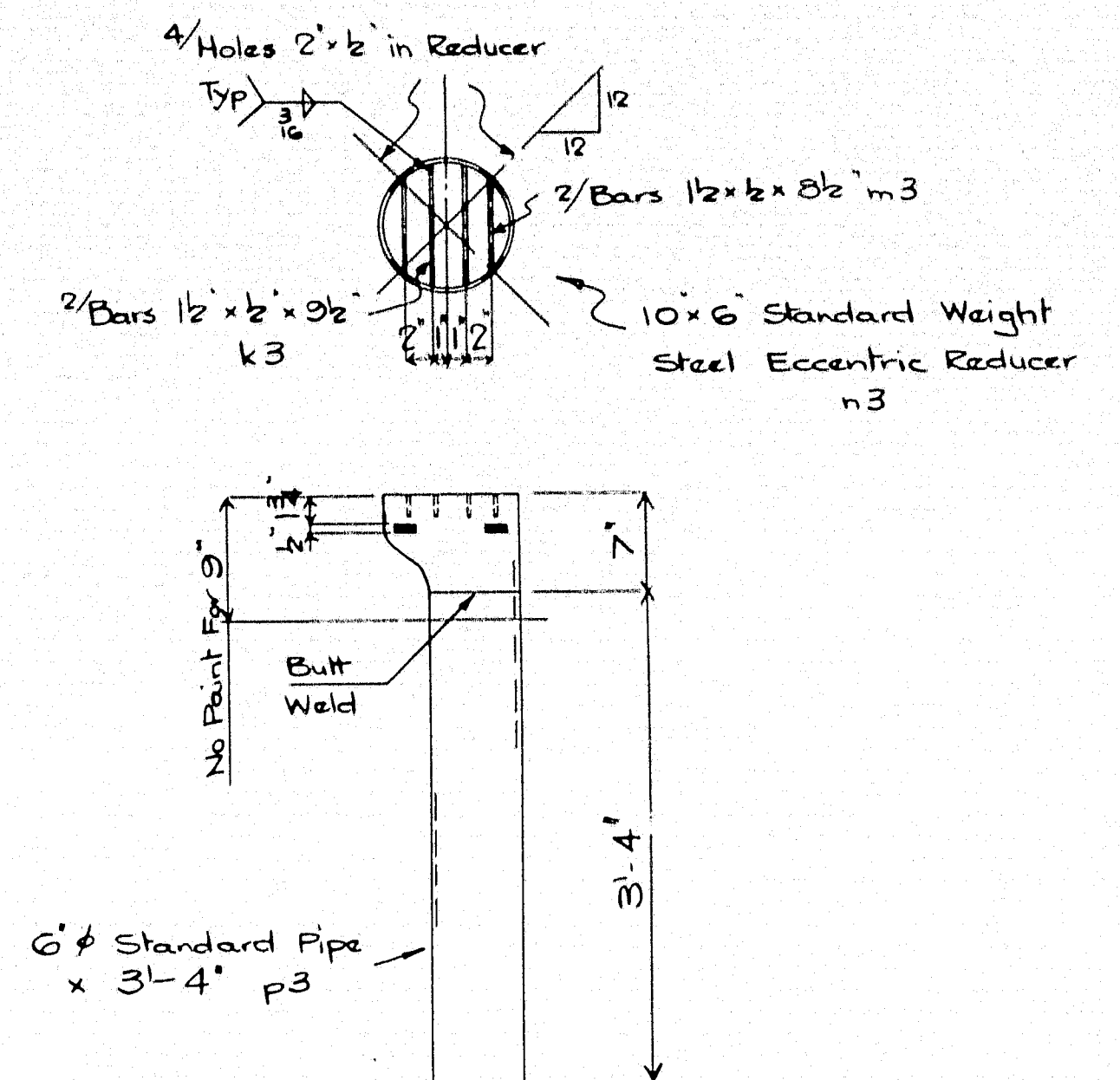
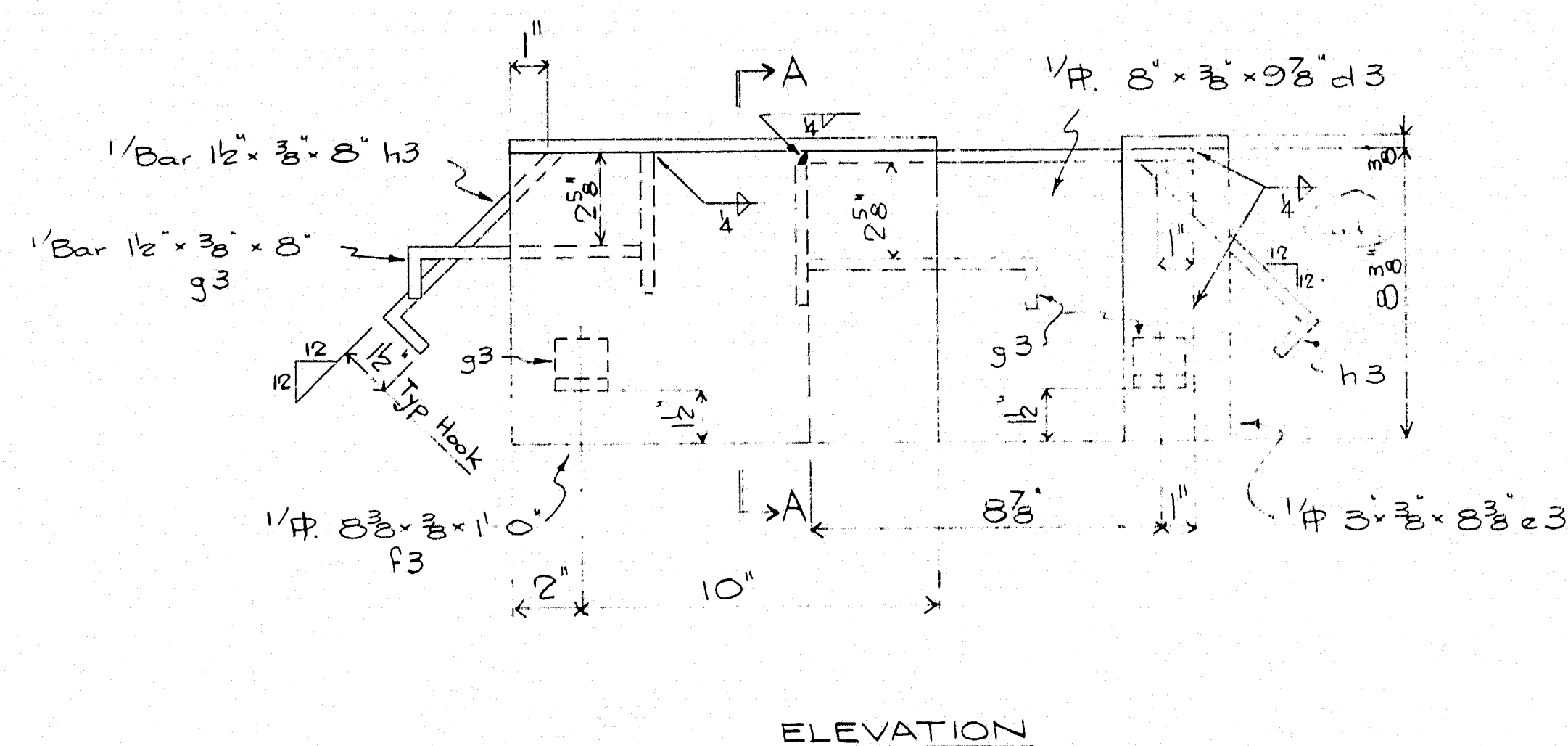
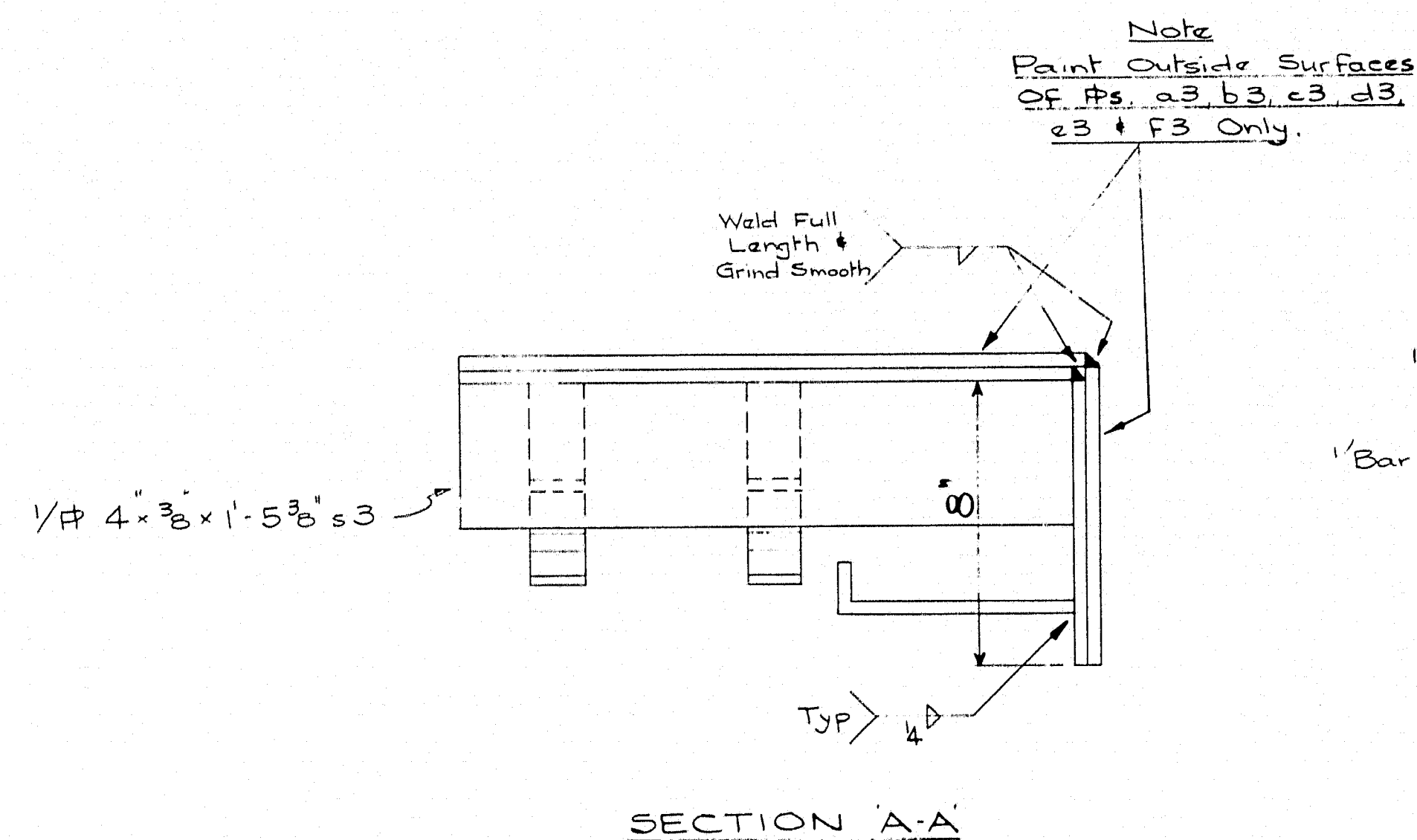
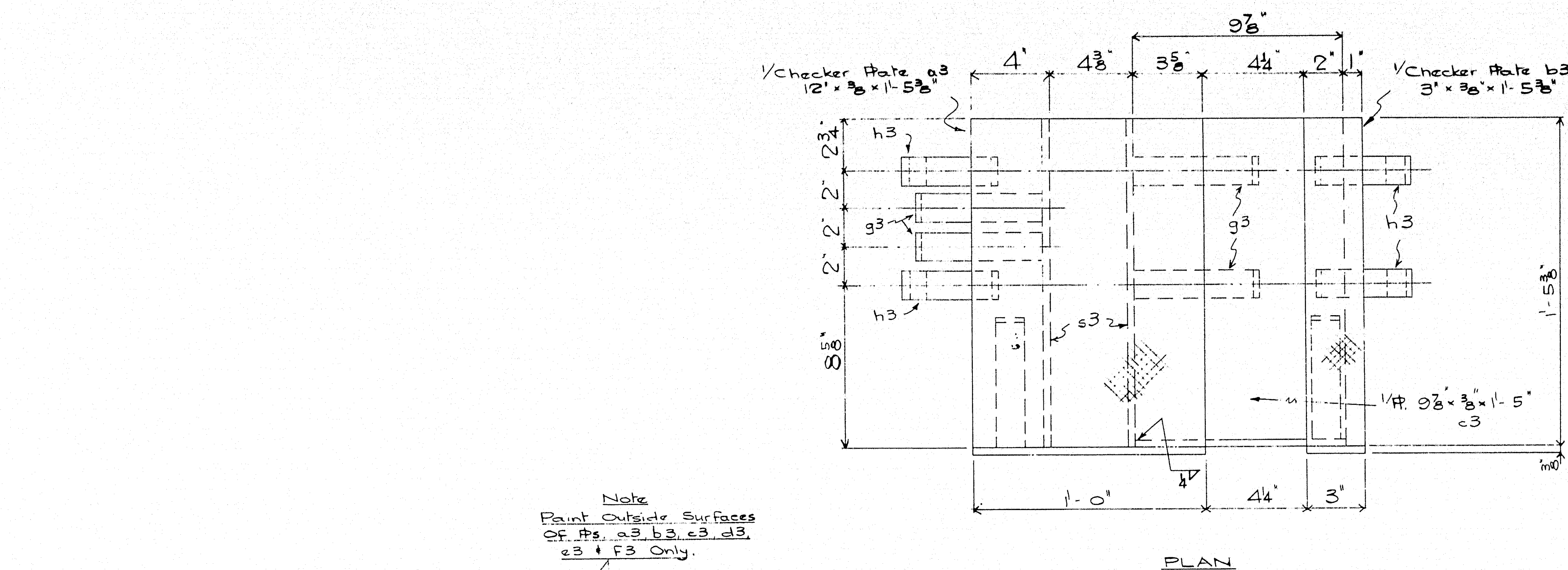
07-150A



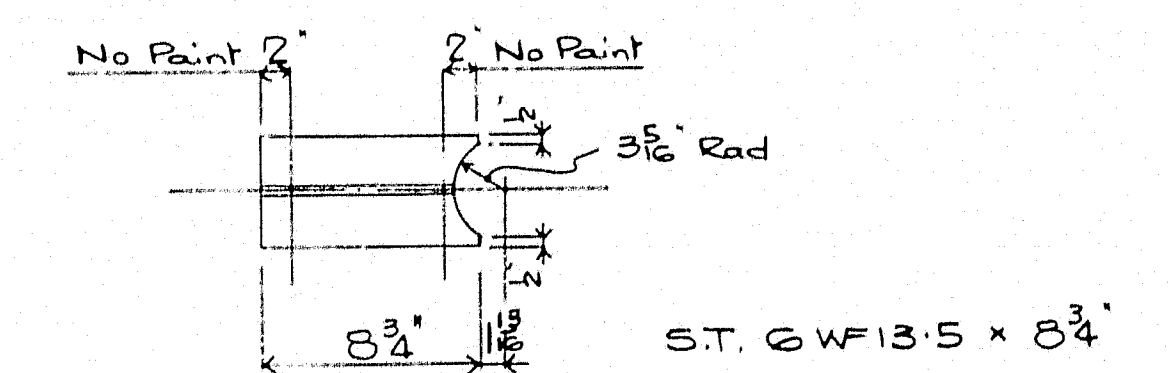


Paint:-
Red Lead & Oil As Per
Specs. On Unfinished
Surfaces Of Bearings
Only.
Finished Surfaces To
Be Coated With White
Lead & Tallow.

87-150 C



30 DRAINS REQ'D THUS MARK C3



30 DRAIN SPACERS REQ'D MARK D3

2 EXPANSION DAMS REQ'D AS DRAWN
2 do do do OPP HAND

For Location See Drg 1057/2

MARK A3 } Bundle For Delivery
The 2 Pieces Which
Make Up Each
Assembly.

MARK B3 }

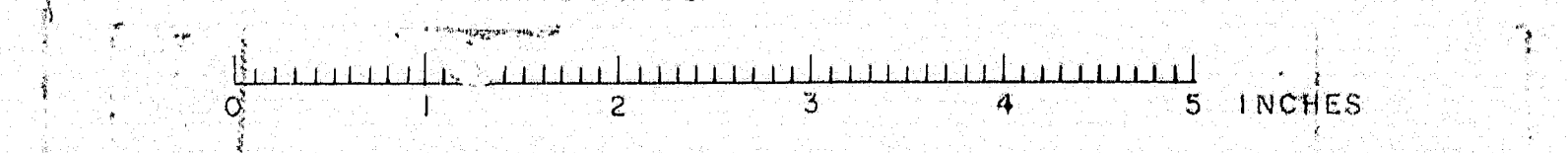
Paint
Red Lead & Oil As Per Specs.
(Where Noted)

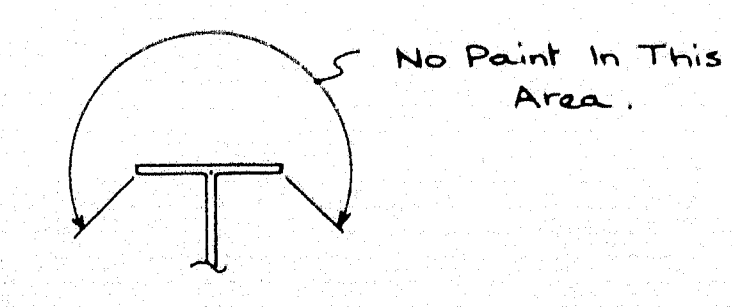
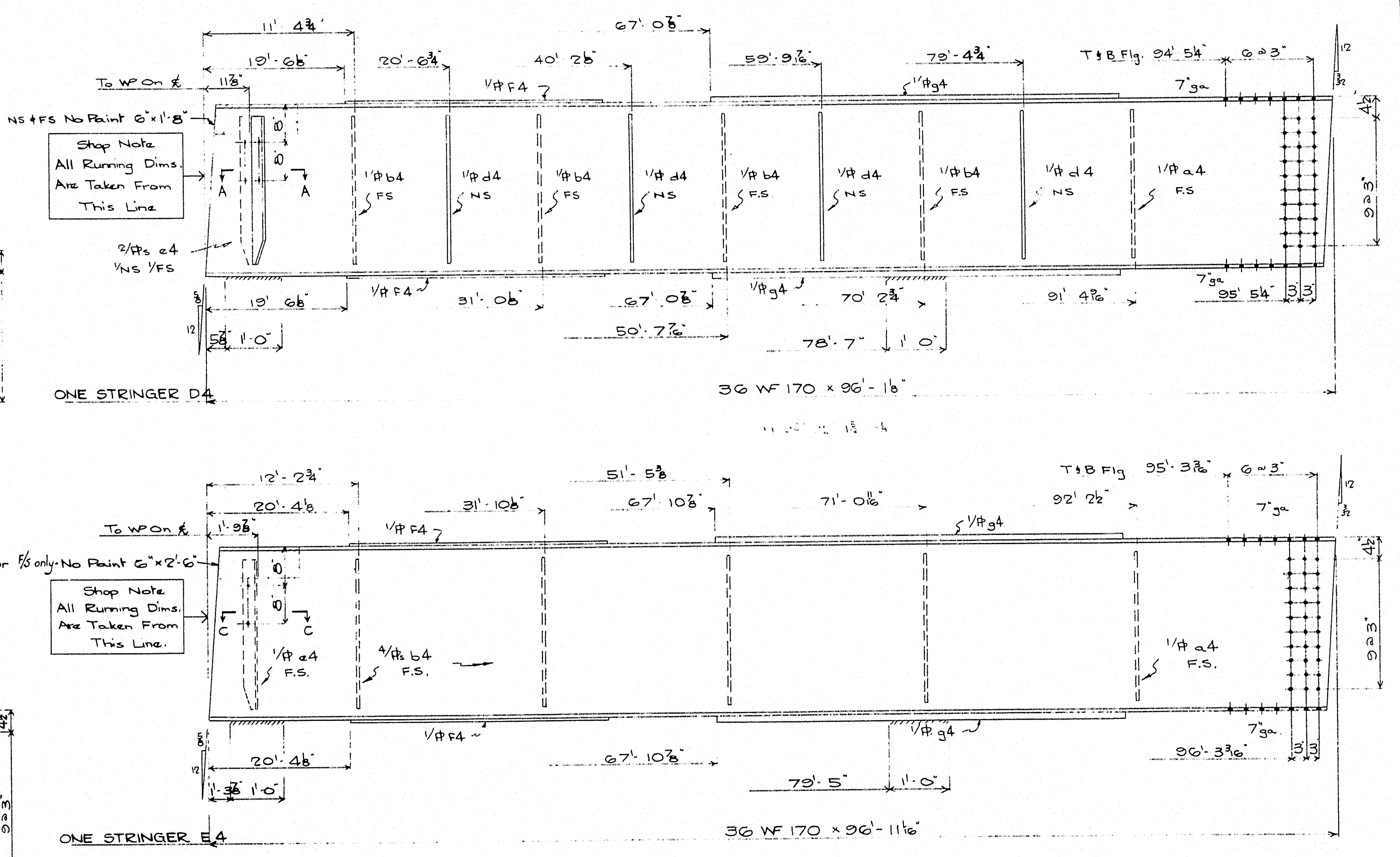
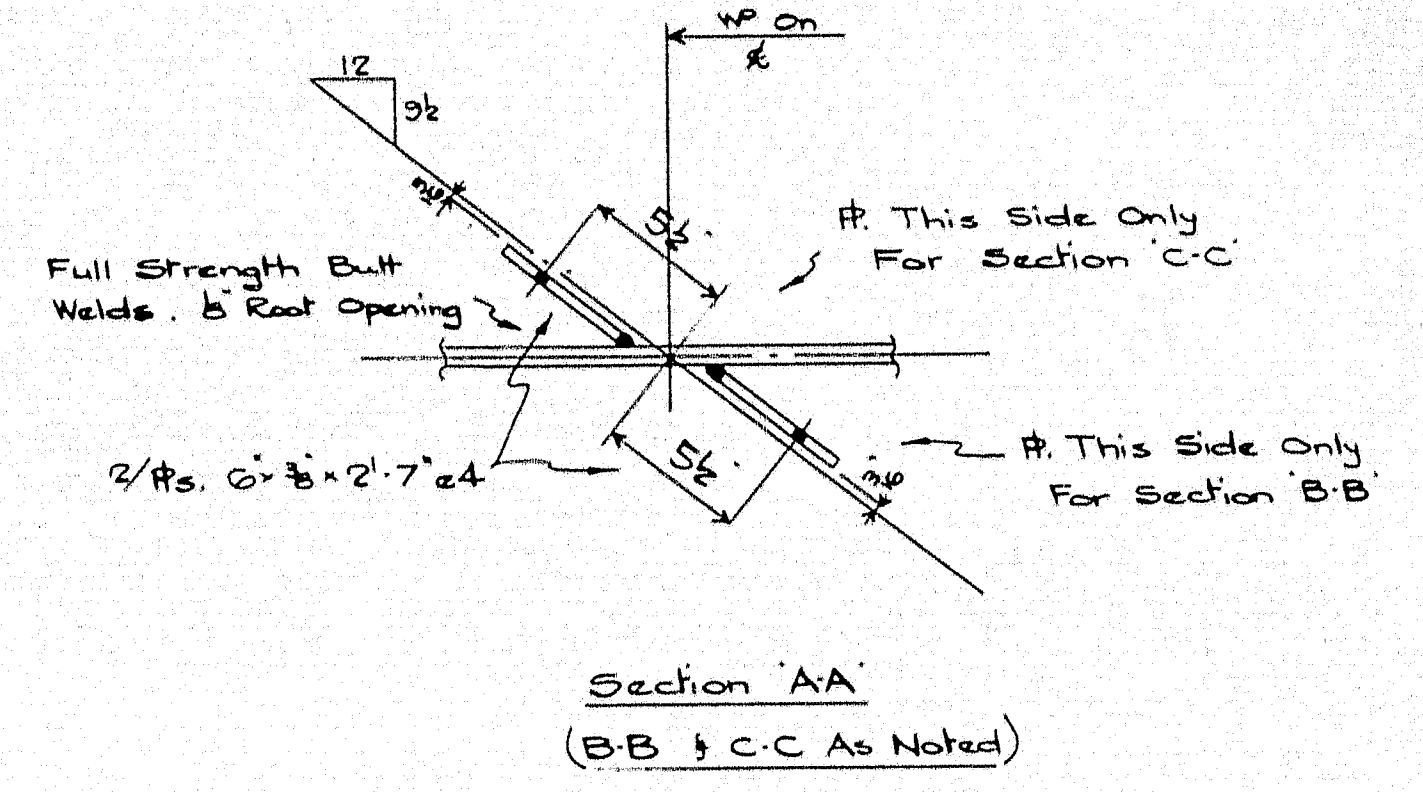
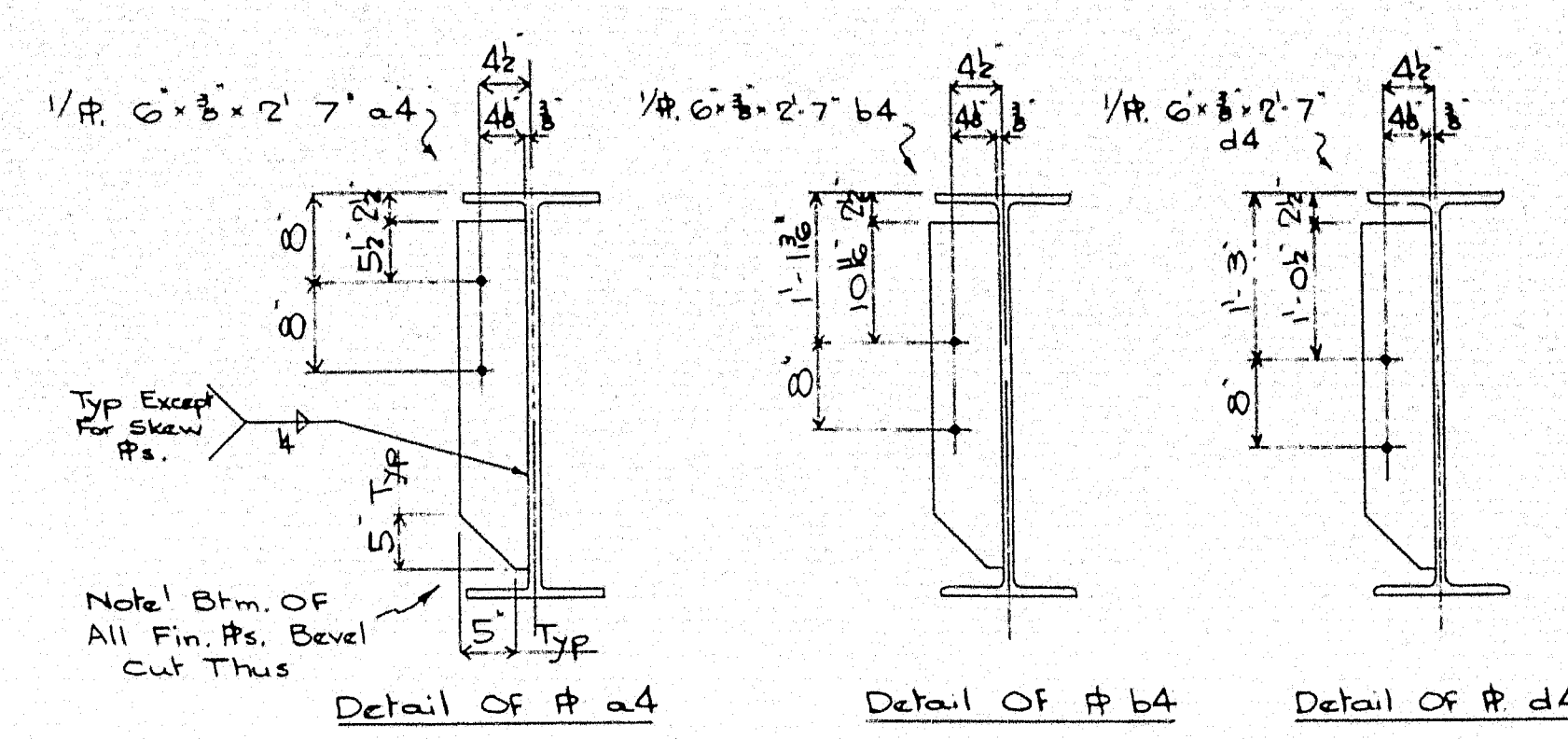
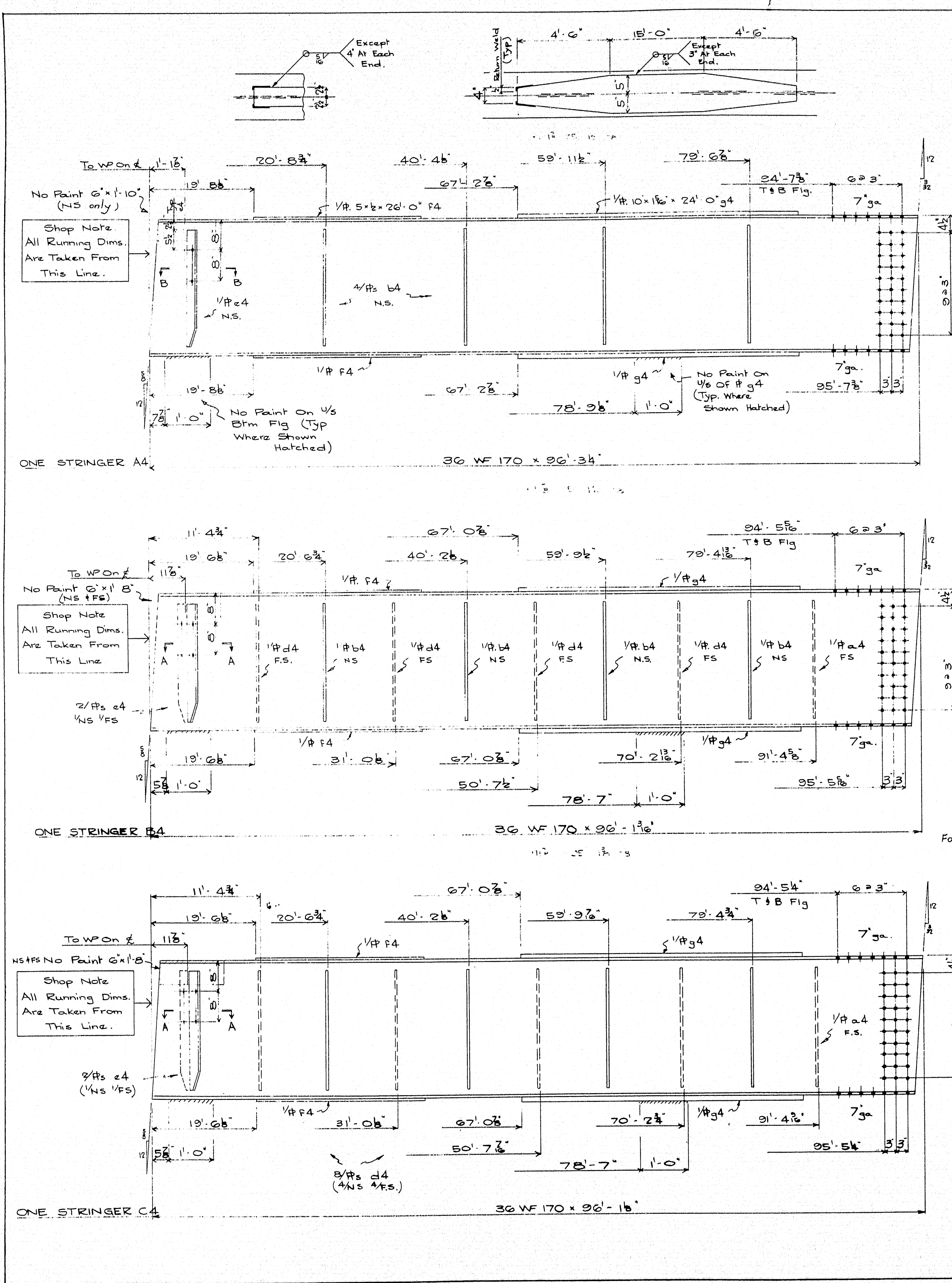
| REVISIONS | DESCRIPTION | Expansion Dams (Sidewalk) & Drains |
|-----------|-------------|------------------------------------|
| A | JOB: | |
| B | | |
| C | | |
| D | | |
| E | | |
| F | | |
| G | | |
| H | | |
| J | | |

| | |
|------------|----------|
| DRAWN BY | DATE |
| QW8 | 1 Sep 63 |
| CHECKED BY | DATE |
| RWS | SEP 4/63 |

| | |
|--------------------|-------|
| CUSTOMER: | SHEET |
| H.E. Callahan Inc. | 3 |
| AUGUSTA IRON WORKS | ORDER |
| AUGUSTA, MAINE | 1057 |

67-150E



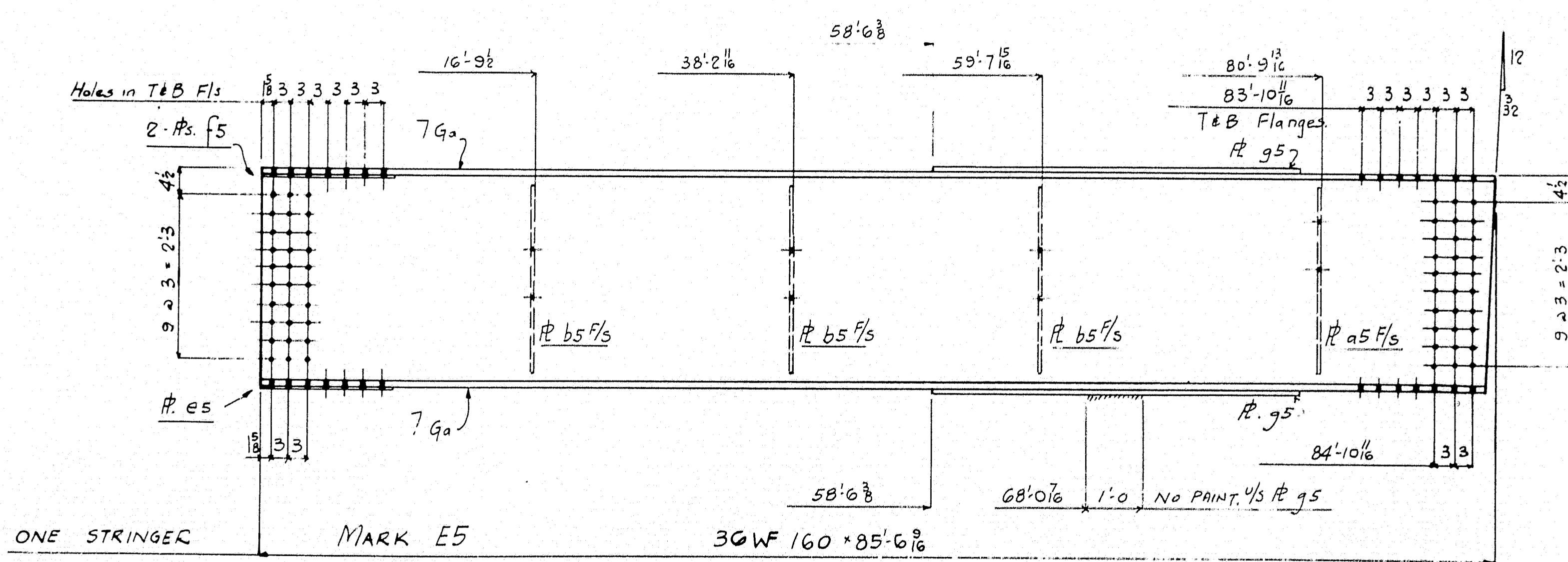
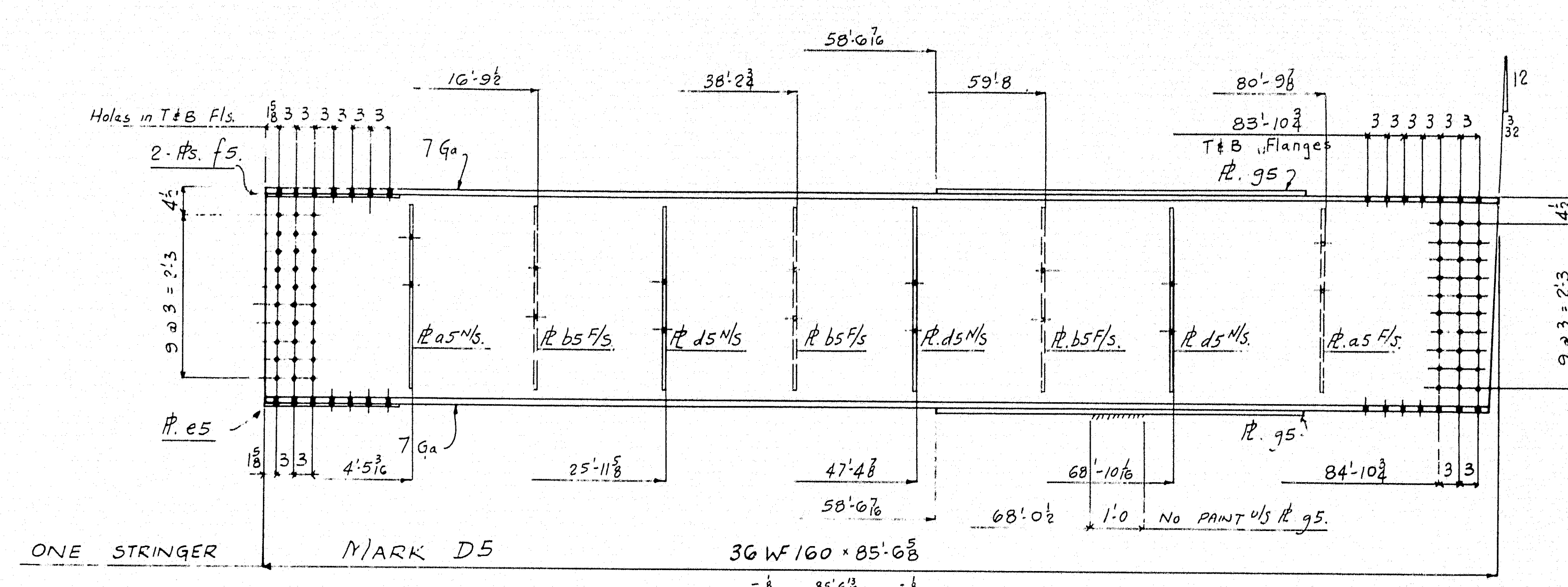
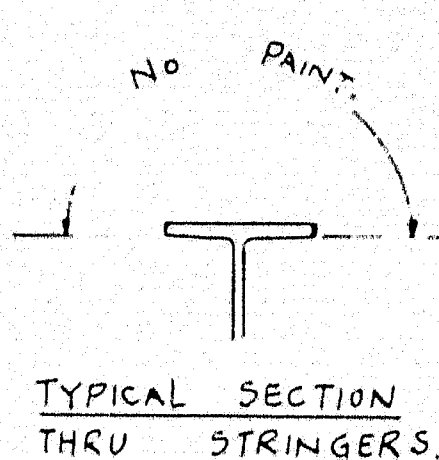
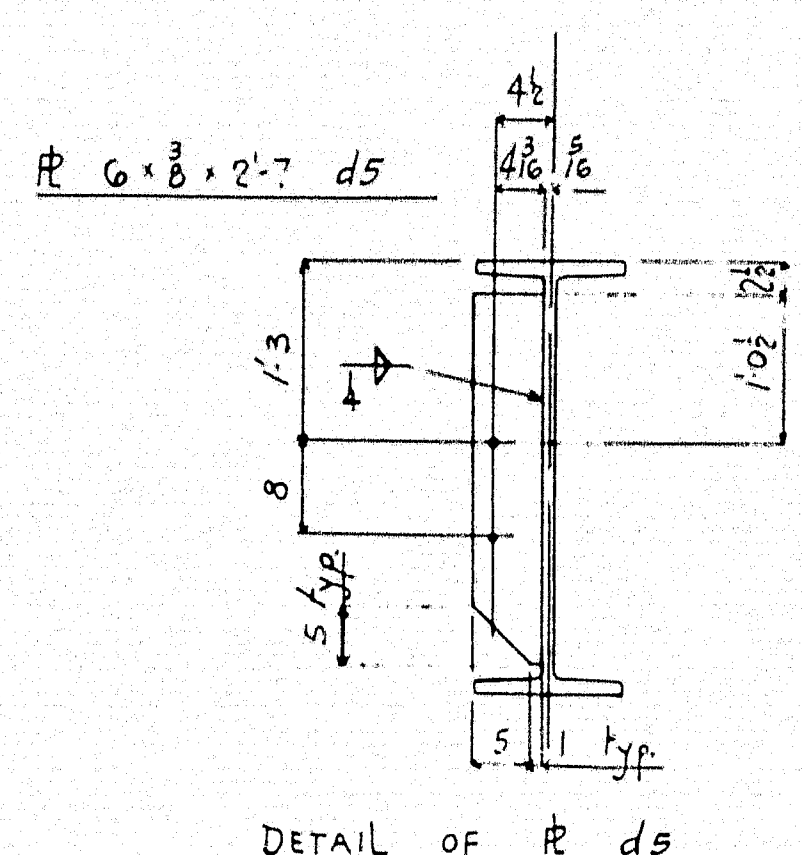
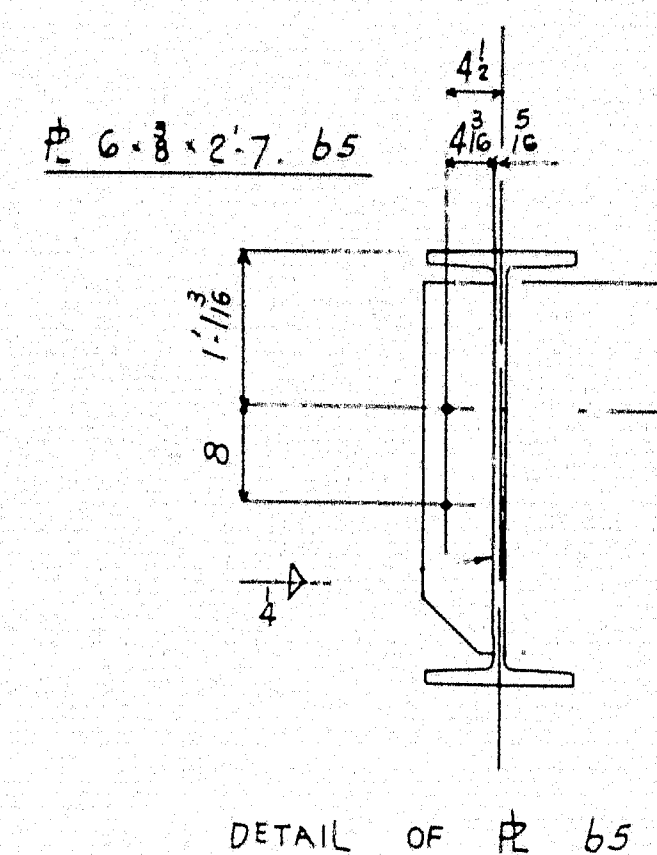
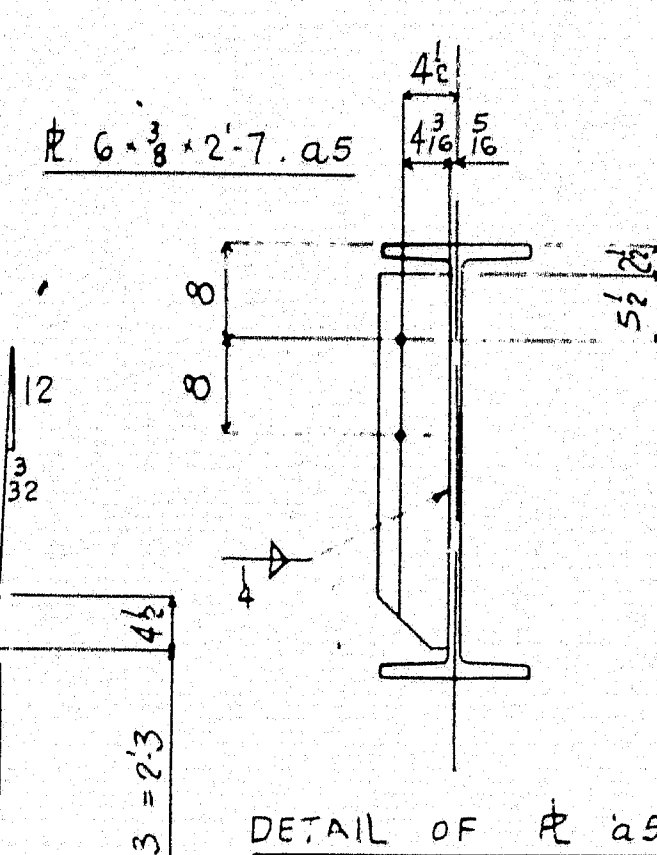
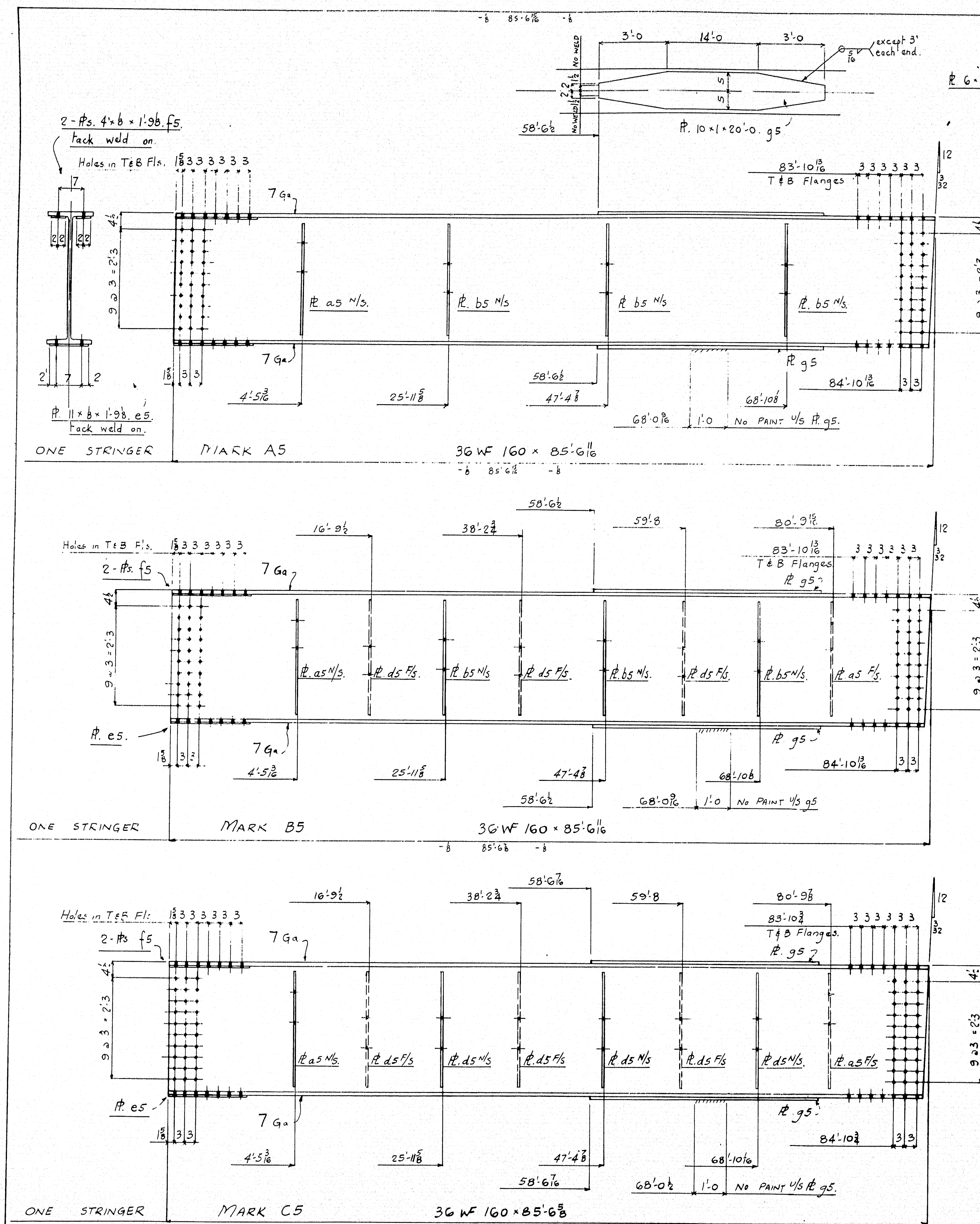


Holes 1 1/2" ϕ
 For Splice Pcs. See Drg II.
 For Match Marking Of Splice Pcs. See Drg X

Paint
 One Shop Coat Red Lead & Oil As Per Specs. Except Where Noted & As Follows:
 1/ Fin Pcs To Remain Unpainted.
 2/ No Paint To Be Applied Within 2' Of Holes For Splices.

| REVISIONS | | DESCRIPTION | | DRAWN BY | | DATE | |
|-----------|--|------------------------------|--|------------|-------------|------|--|
| A | | Stringers. | | DWG. | 19 Dec 63 | | |
| B | | Milton Lane Bridge. | | CHECKED BY | DATE | | |
| C | | Clinton - Kennebec County. | | RWS | DEC 30 1963 | | |
| D | | (State Highway Commission) | | | | | |
| E | | CUSTOMER: H.E. Callahan Inc. | | SHEET | 4 | | |
| F | | AUGUSTA IRON WORKS | | ORDER | 1057 | | |
| G | | AUGUSTA, MAINE | | | | | |
| H | | | | | | | |
| J | | | | | | | |

87-150 F

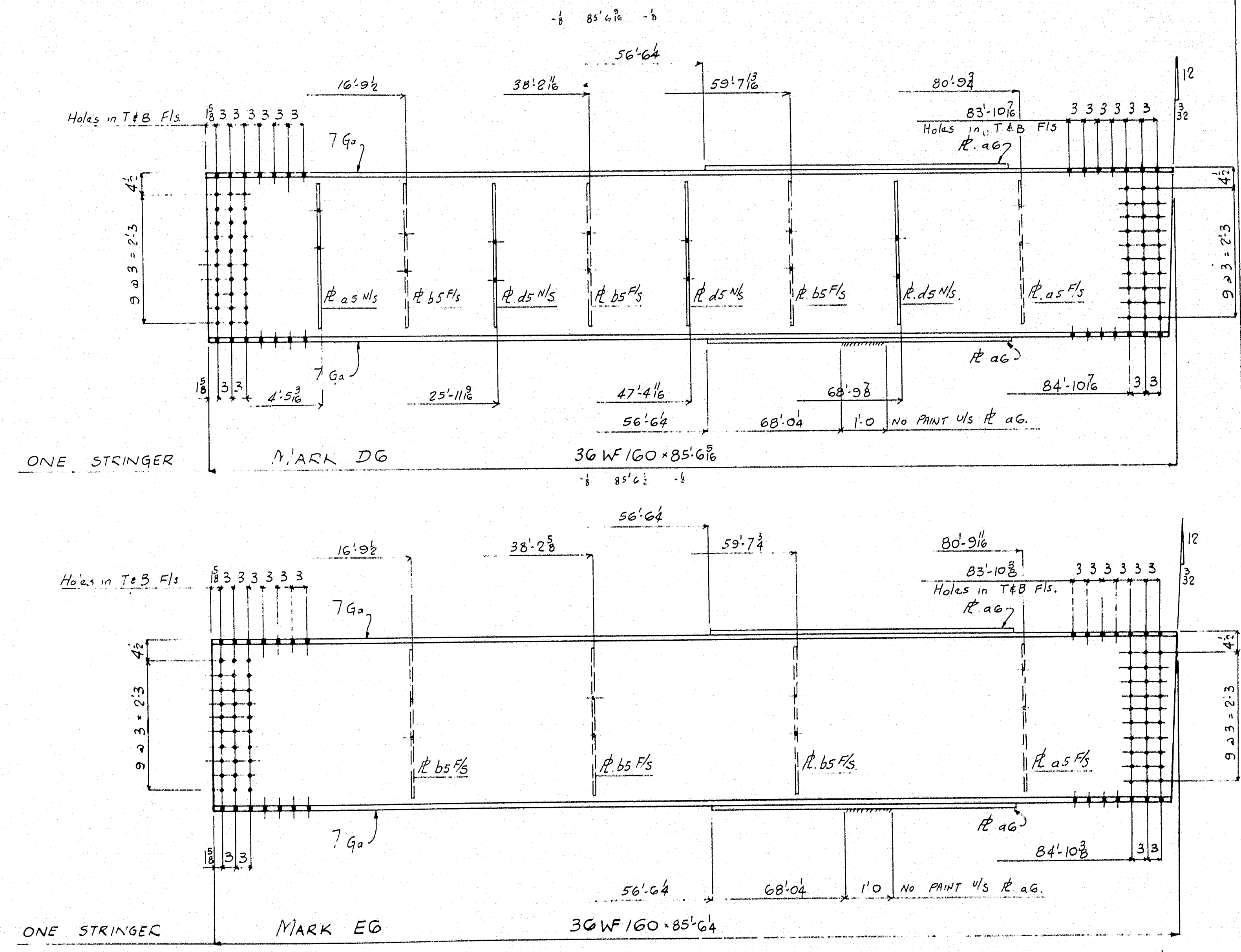
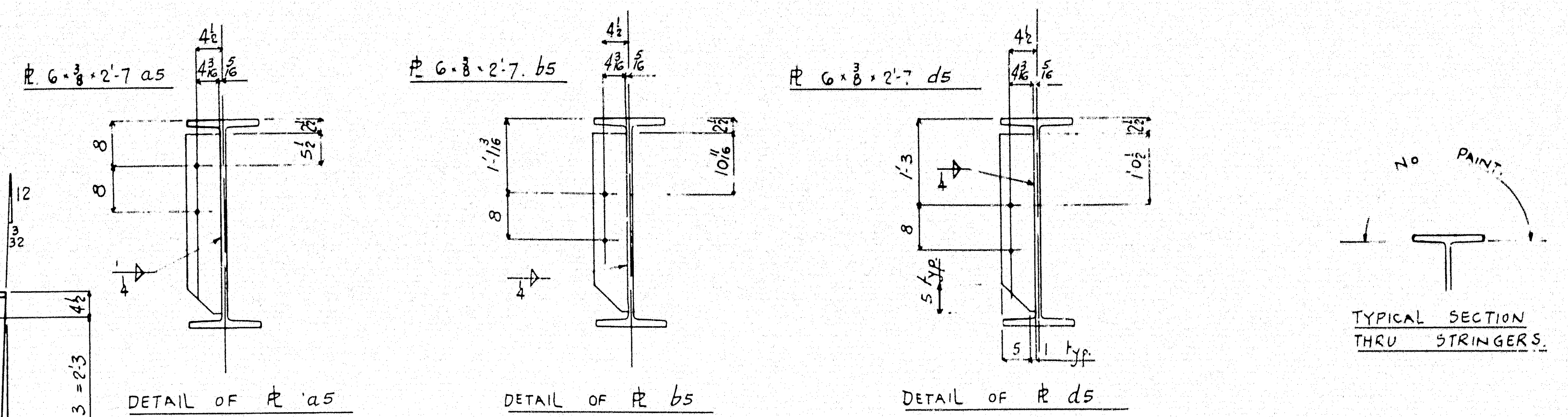
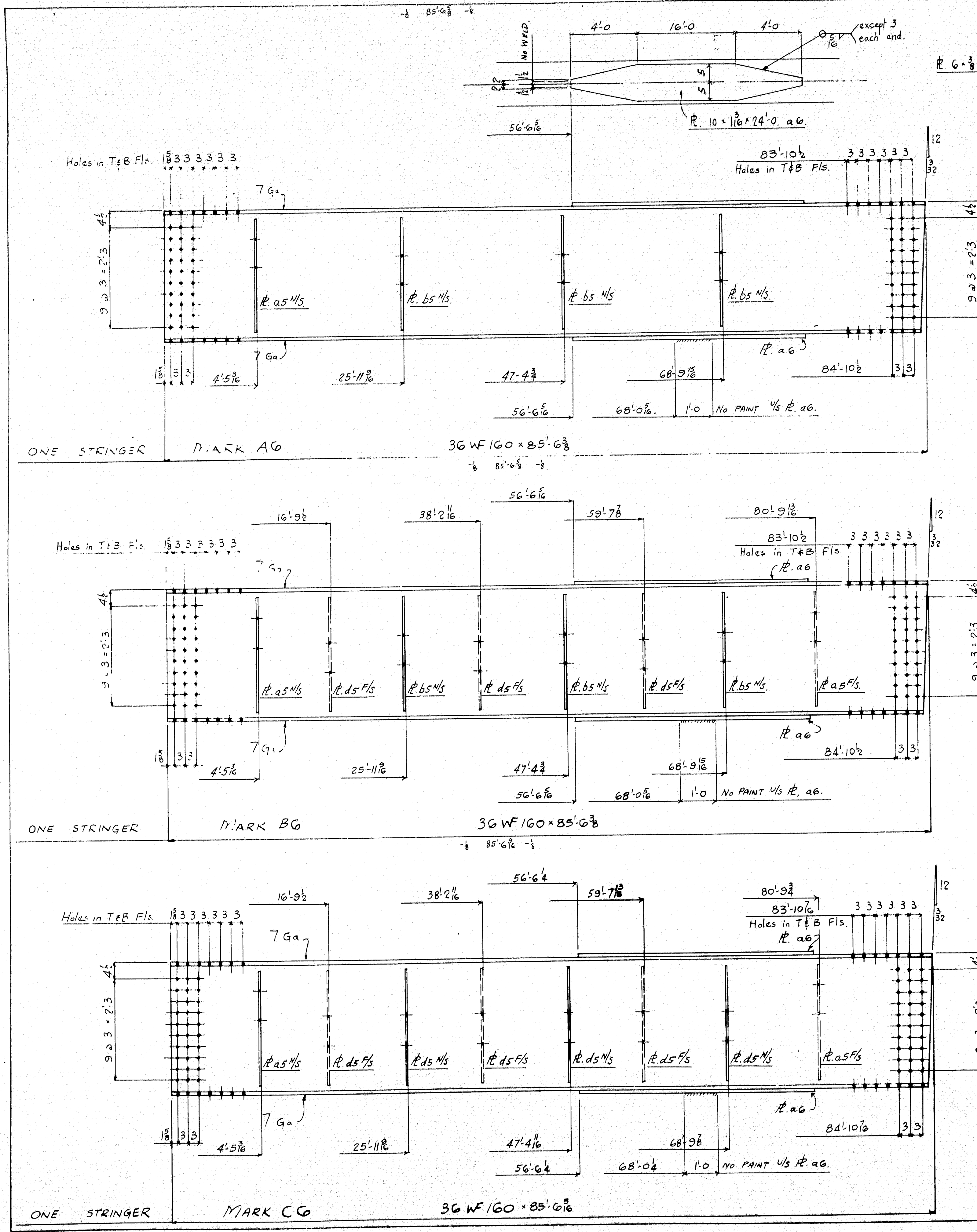


PAINT
One shop coat Red Lead & Oil as per specs. except where noted and as follows:-
1. Fin plates to remain unpainted.
2. No paint to be applied within 2" of open holes for splices.

Holes 1/8" dia.
For splice pls see drg. II
For match marking of splice pls. see drg. X.

| REVISIONS | DESCRIPTION | DETAILS OF STRINGERS | DRAWN BY | DATE |
|-----------|-------------|----------------------|--------------------------------|-----------|
| A | | | RWS | DEC 13/63 |
| B | | | CLINTON - KENNEBEC COUNTY. | |
| C | | | (STATE HIGHWAY COMMISSION) | DEC 30/63 |
| D | | | CUSTOMER - H. E. CALLAHAN INC. | |
| E | | | AUGUSTA IRON WORKS | |
| F | | | AUGUSTA, MAINE | |
| G | | | | |
| H | | | | |
| I | | | | |
| J | | | | |

87-150 G

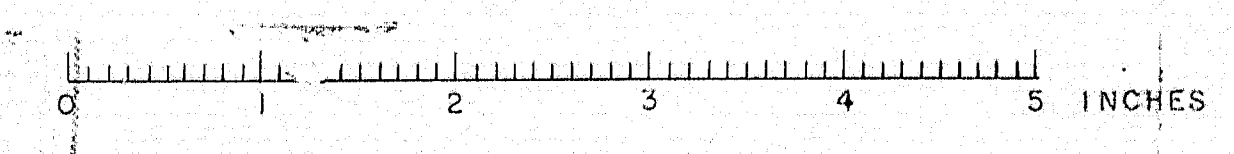


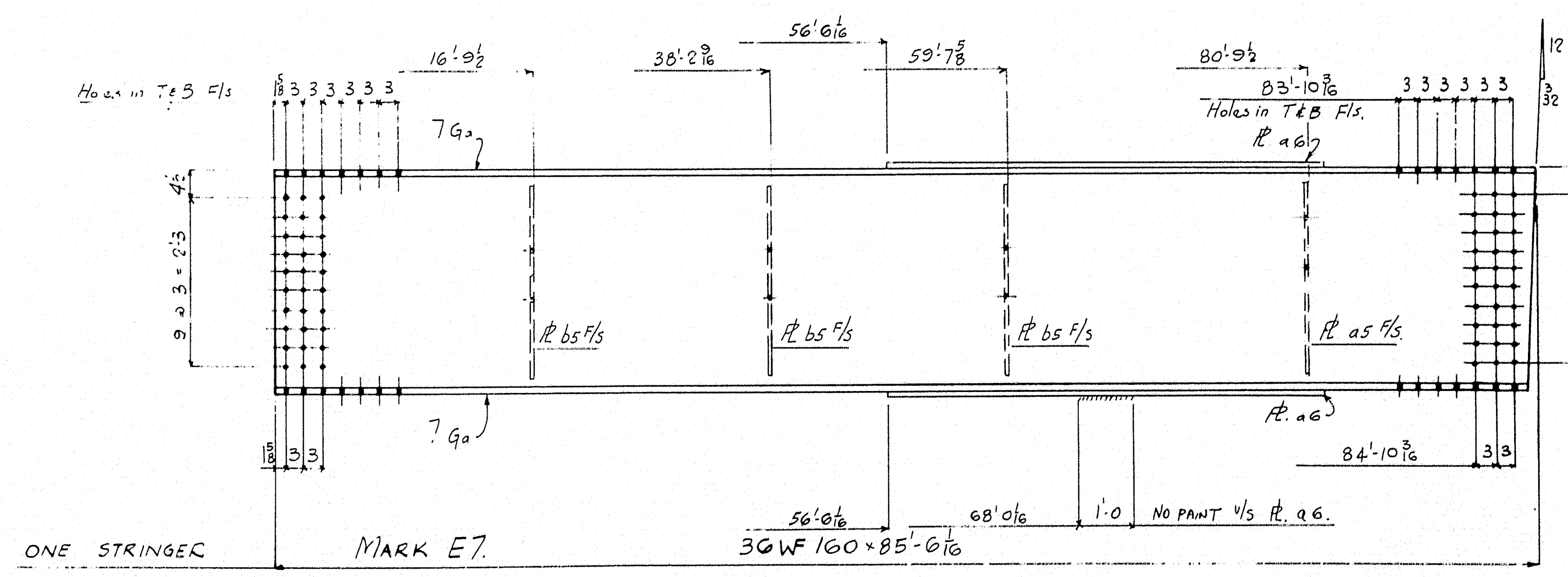
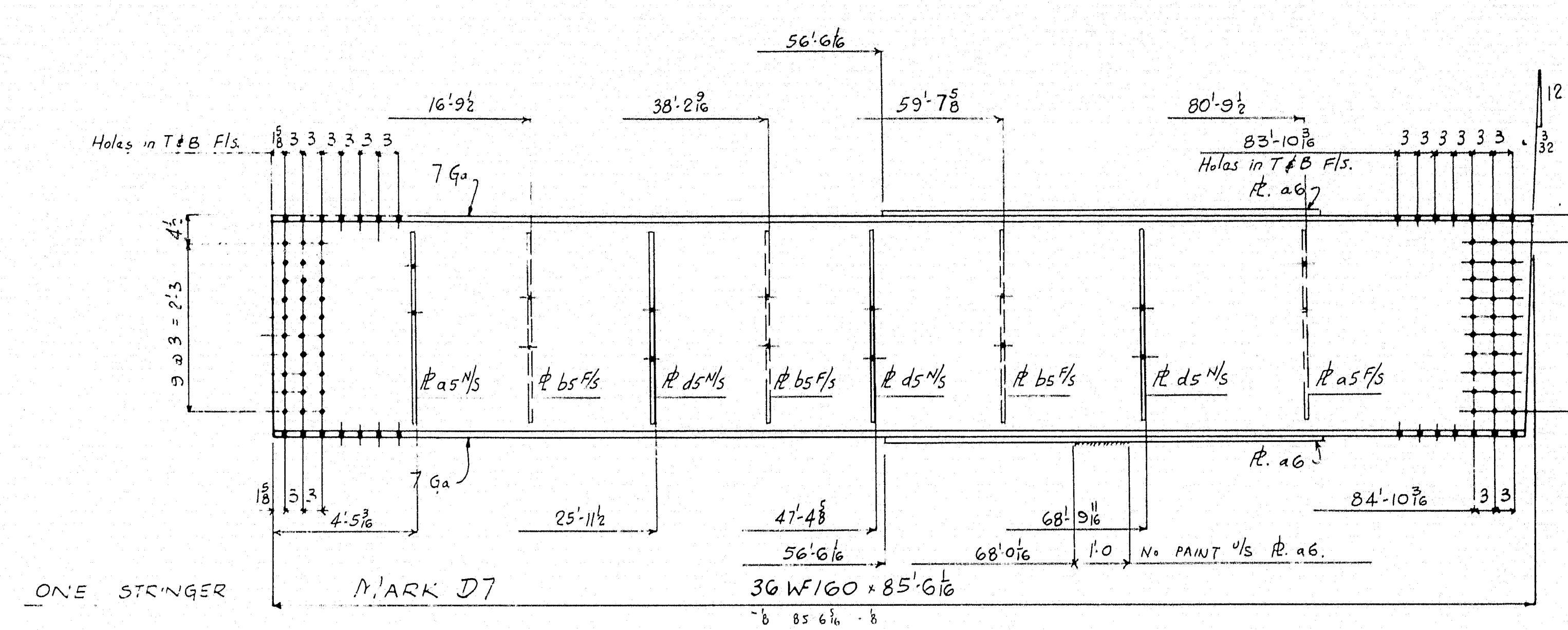
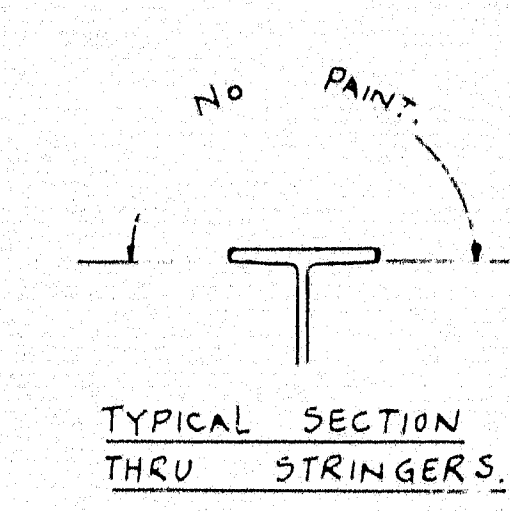
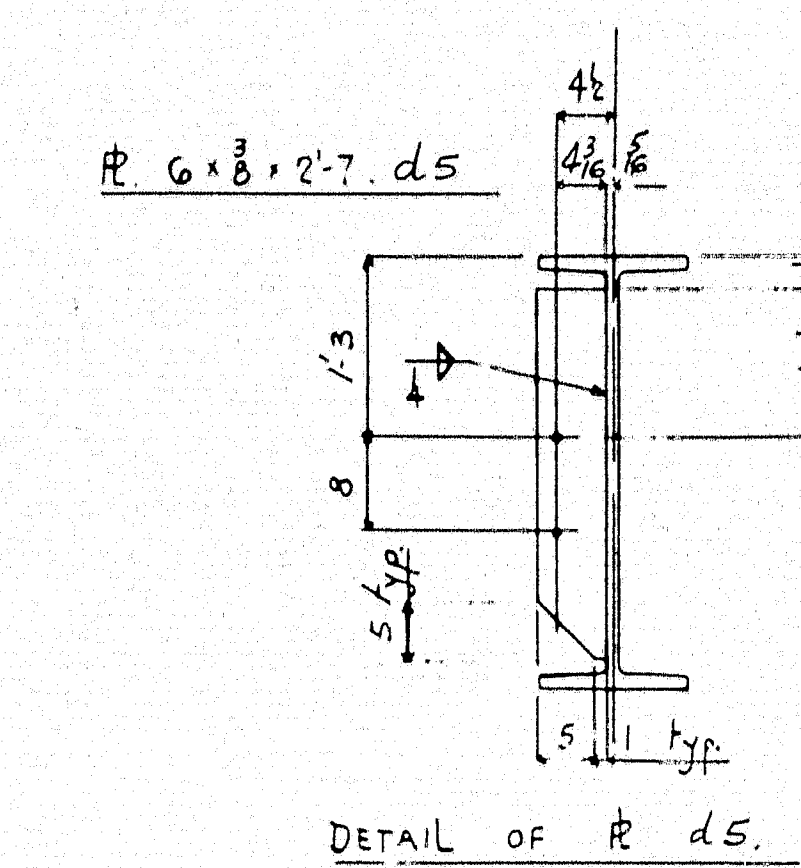
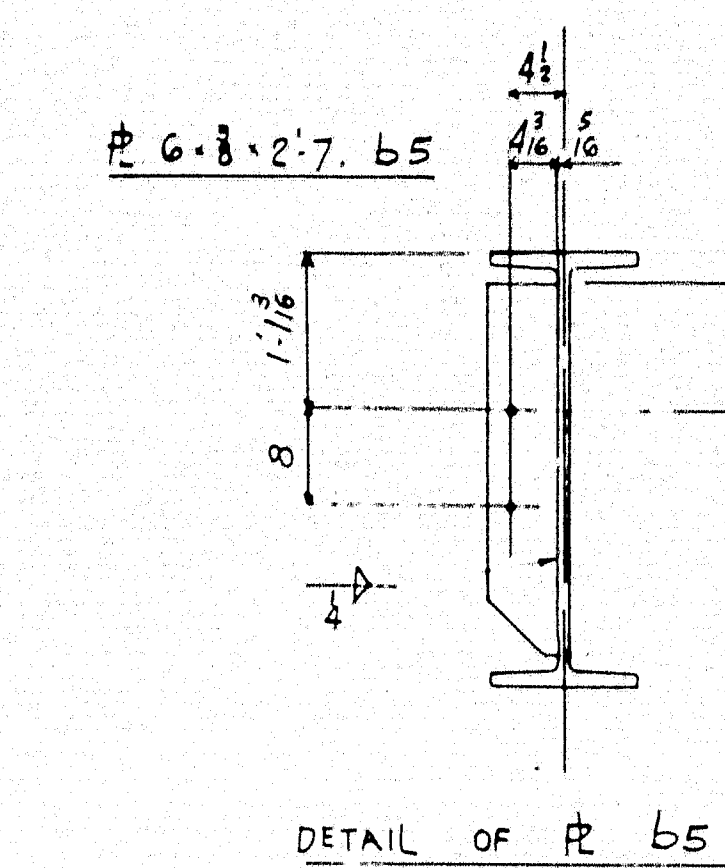
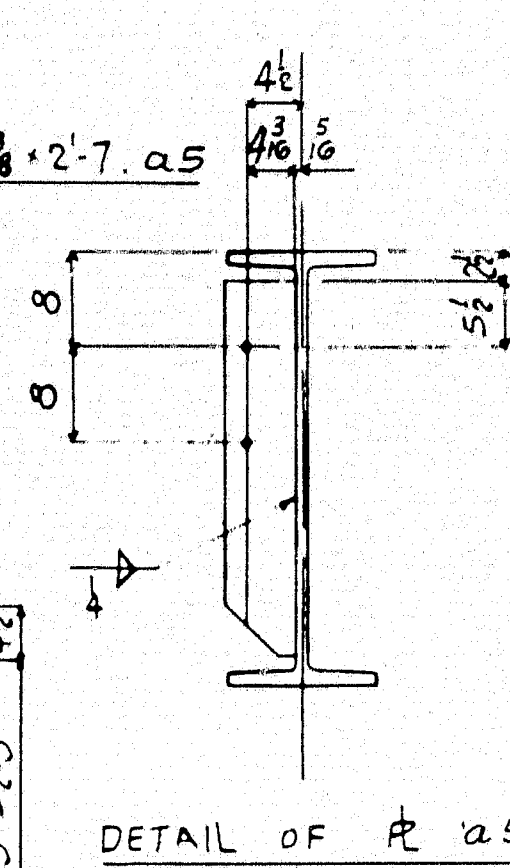
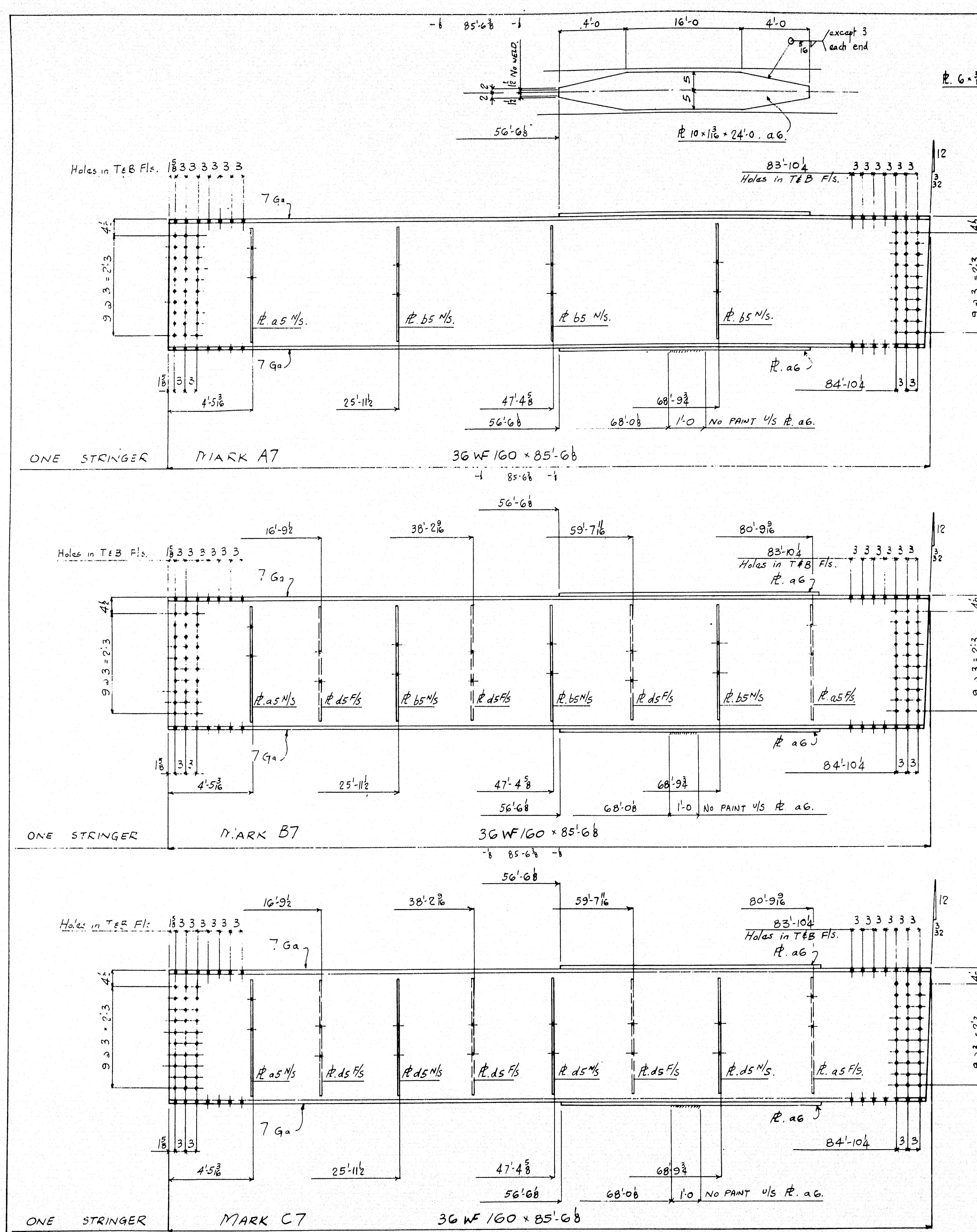
PAINT
 One shop coat Red Lead & Oil as per specs except where noted and as follows:-
 1. Fin plates to remain unpainted.
 2. No paint to be applied within 2' of open holes for splices.

Holes 1/8" dia.
 For splice pls see drg. 11
 For match marking of splice pls. see drg. X.

| DETAILS OF STRINGERS. | | | |
|-----------------------|-------------------------------|------------|-----------|
| REVISIONS | DESCRIPTION | DRAWN BY | DATE |
| A | MUTTON LANE BRIDGE | RWS | 12.16.63 |
| B | CLINTON - KENNEBEC COUNTY. | CHECKED BY | DATE |
| C | (STATE HIGHWAY COMMISSION) | SWJ | 30 Dec 63 |
| D | CUSTOMER - H.E. CALLAHAN INC. | SHEET | 6 |
| E | AUGUSTA IRON WORKS | ORDER | 1057 |
| F | AUGUSTA, MAINE | | |
| G | | | |
| H | | | |
| J | | | |

87-150 H





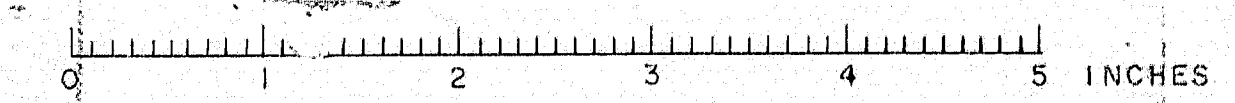
PAINT
One shop coat Red Lead & Oil as per specs except where noted and as follows:-
1. Fin plates to remain unpainted.
2. No paint to be applied within 2" of open holes for splices.

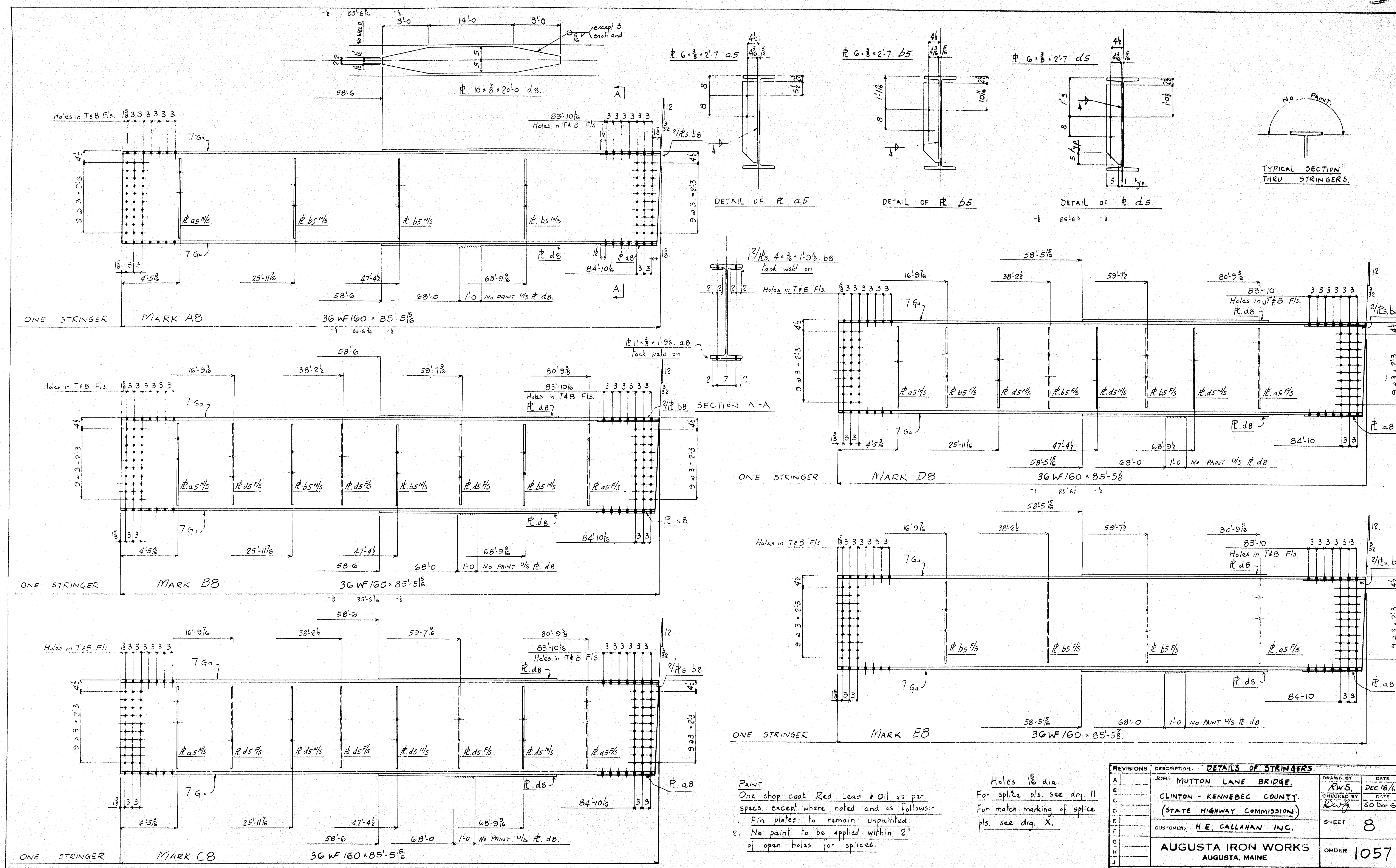
Holes 1/8 dia.
For splice pls see drg 11
For match marking of splice pls see drg. X.

| REVISIONS | | | | DETAILS OF STRINGERS | |
|-----------|-------------|----------|--|----------------------|-----------|
| A | DESCRIPTION | JOB | MUTTON LANE BRIDGE | DRAWN BY | DATE |
| B | | CUSTOMER | CLINTON - KENNEBEC COUNTY (STATE HIGHWAY COMMISSION) | CHECKED BY | DEC 17/63 |
| C | | | | | 30 Dec 63 |
| D | | | | | |
| E | | | | | |
| F | | | | | |
| G | | | | | |
| H | | | | | |
| J | | | | | |

AUGUSTA IRON WORKS
AUGUSTA, MAINE
ORDER 1057

87-1501



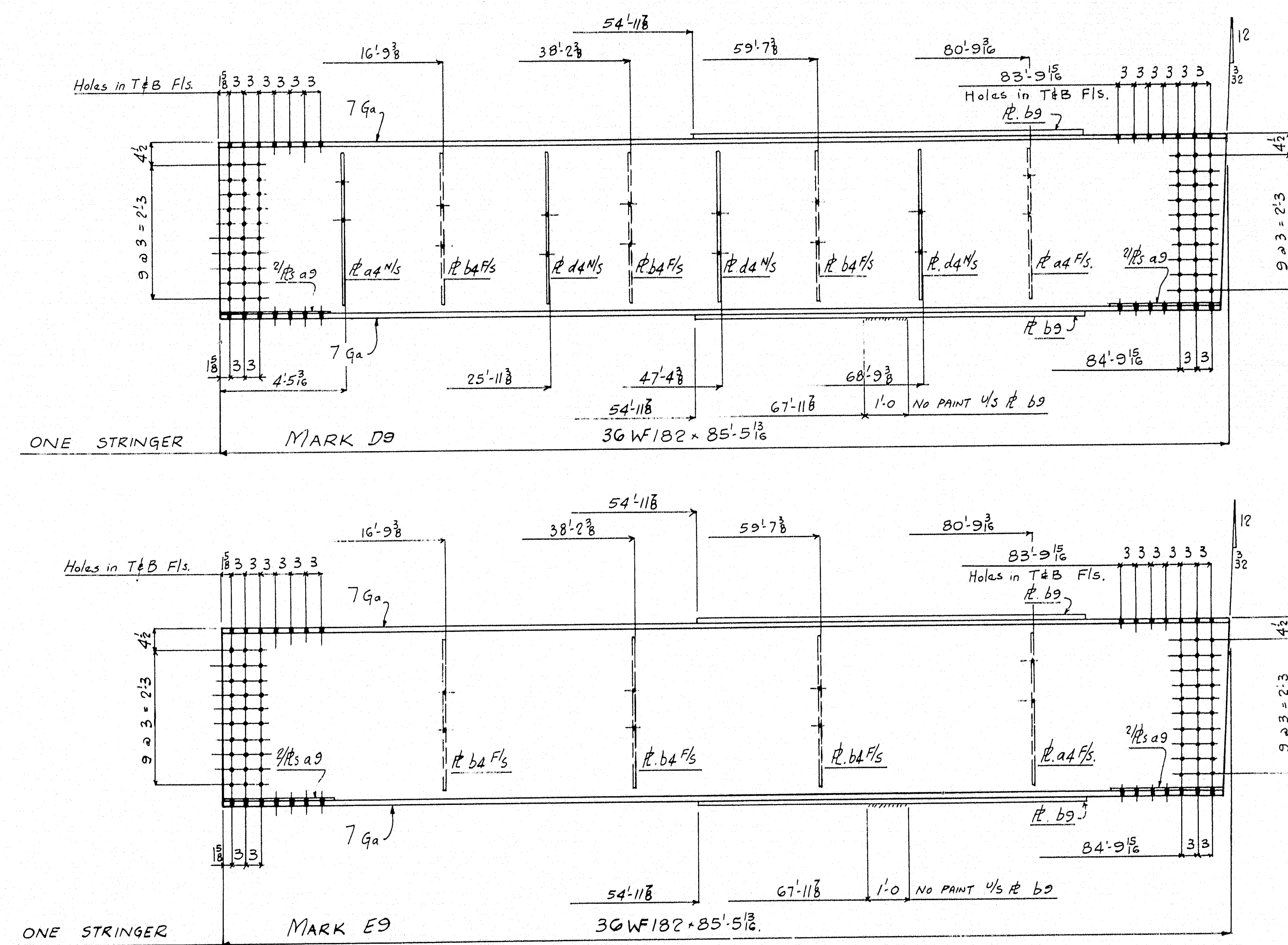
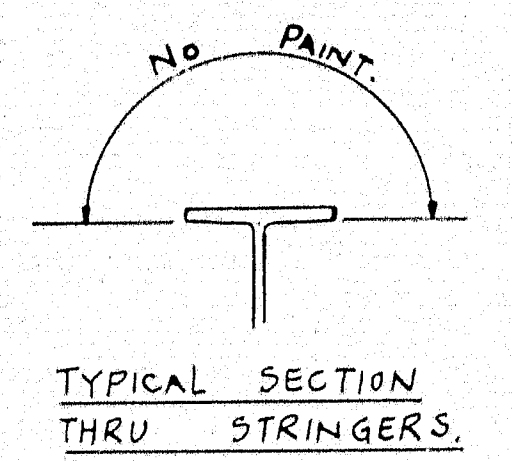
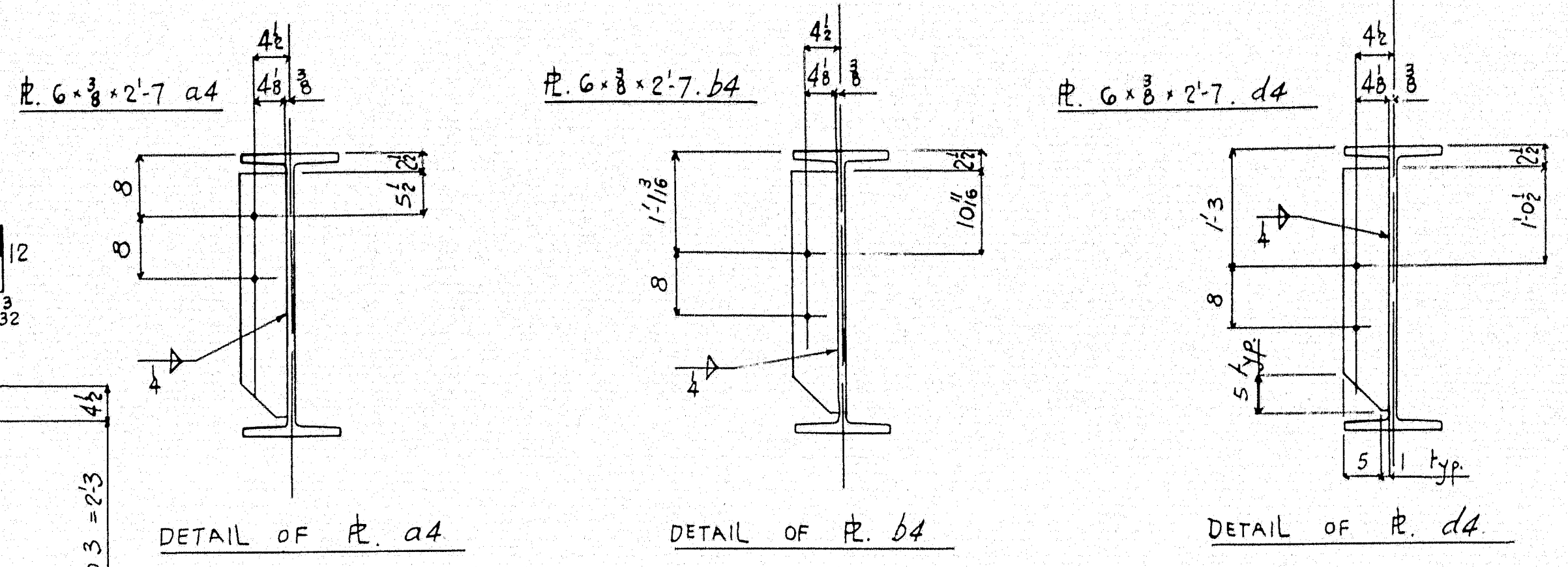
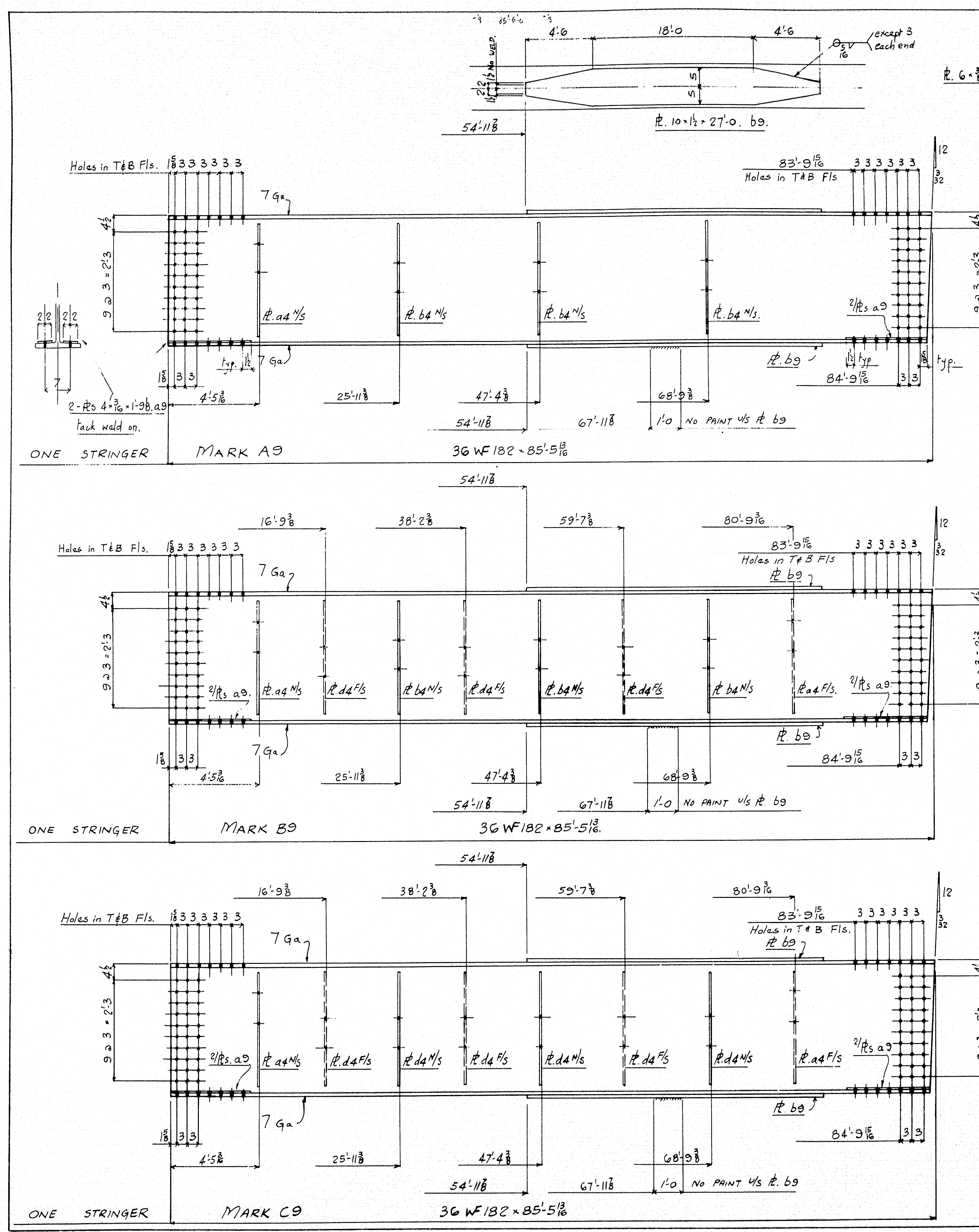


PAINT
 One shop coat Red Lead & Oil as per specs. except where noted and as follows:-
 1. Fin plates to remain unpainted.
 2. No paint to be applied within 2" of open holes for splices.

Holes 1/8" dia.
 For splice pls. see drg. 11
 For match marking of splice pls. see drg. X.

| DETAILS OF STRINGERS. | | | |
|-----------------------|------------------------------|------------|-----------|
| REVISIONS | DESCRIPTION | DRAWN BY | DATE |
| A | JOB: MUTTON LANE BRIDGE. | RWS | DEC 18/63 |
| B | CLINTON - KENNEBEC COUNTY. | CHECKED BY | DATE |
| C | (STATE HIGHWAY COMMISSION) | DWJ | 30 DEC 63 |
| D | CUSTOMER: H.E. CALLAHAN INC. | SHEET | 8 |
| E | AUGUSTA IRON WORKS | ORDER | 1057 |
| F | AUGUSTA, MAINE | | |
| G | | | |
| H | | | |
| I | | | |
| J | | | |

87-150 J

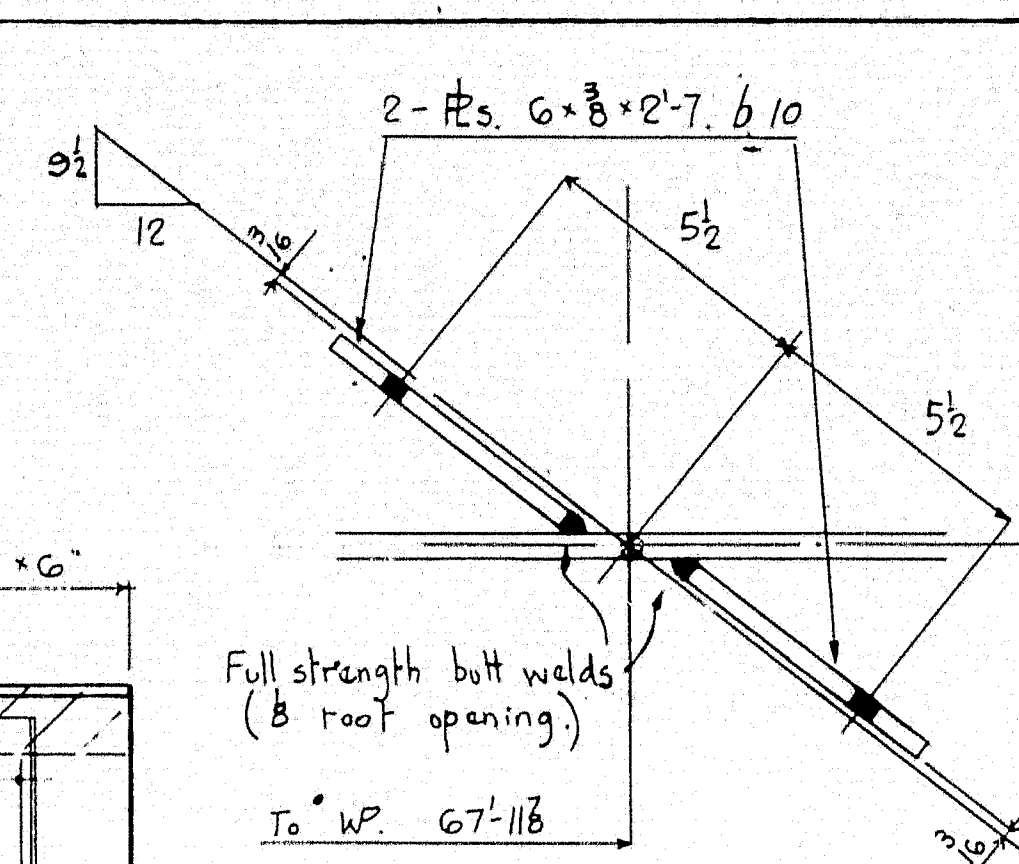


PAINT.
One shop coat Red Lead & Oil as per specs. except where noted and as follows:-
1. Fin plates to remain unpainted.
2. No paint to be applied within 2" of open holes for splices.


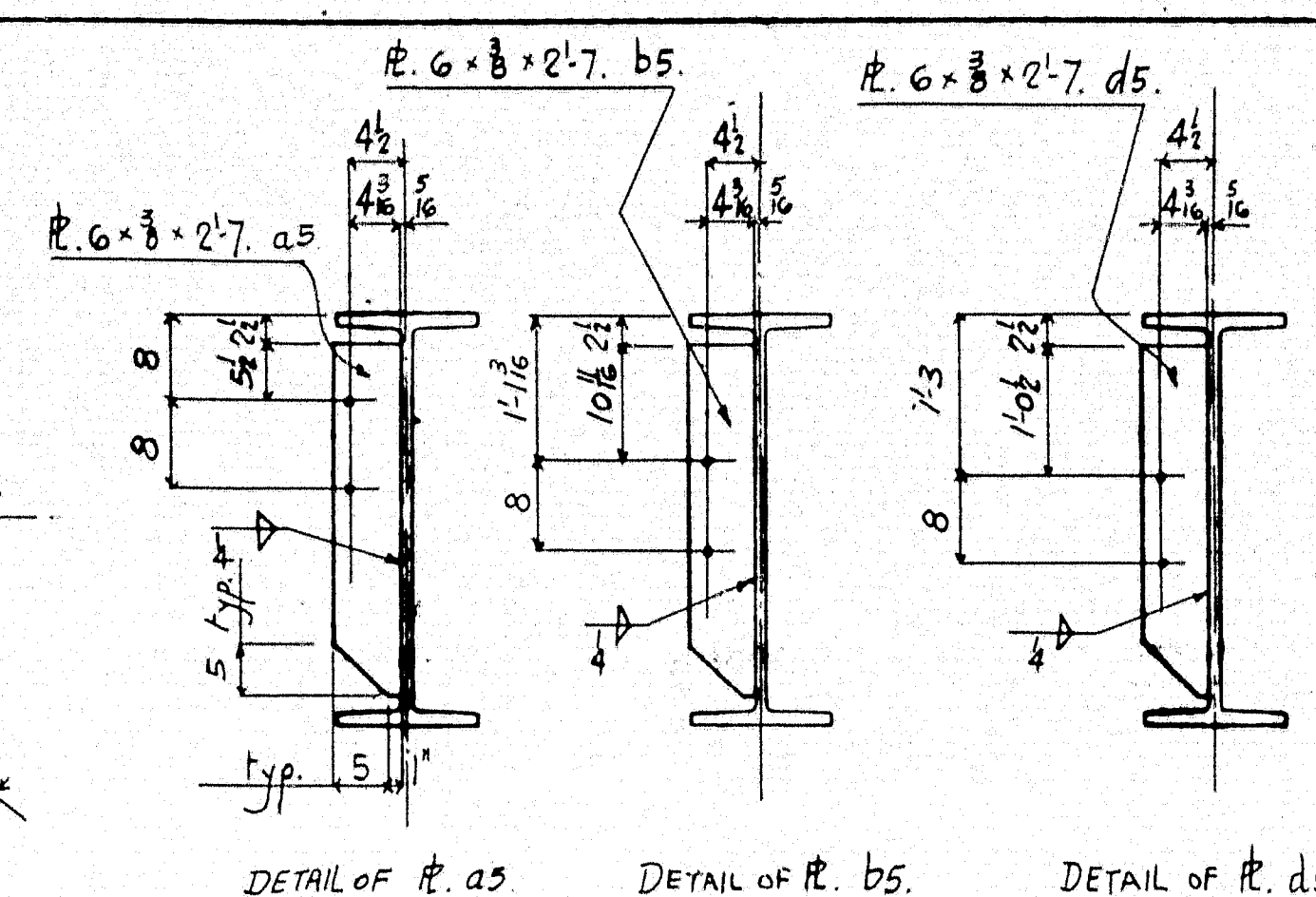
Holes 1/8 dia.
For splice pls. see drg. II
For match marking of splice pls. see drg. X.

| REVISIONS | | DESCRIPTION | | DETAILS OF STRINGERS | |
|-----------|--|----------------------------|---------------------|----------------------|-----------|
| A | | JOB: | MUTTON LANE BRIDGE. | DRAWN BY | RWS |
| B | | CLINTON - KENNEBEC COUNTY. | | CHECKED BY | DWS |
| C | | (STATE HIGHWAY COMMISSION) | | DATE | 30 Dec 63 |
| D | | CUSTOMER: | H.E. CALLAHAN INC. | SHEET | 9 |
| E | | AUGUSTA IRON WORKS | | ORDER | |
| F | | AUGUSTA, MAINE | | 1057 | |

87-150 K

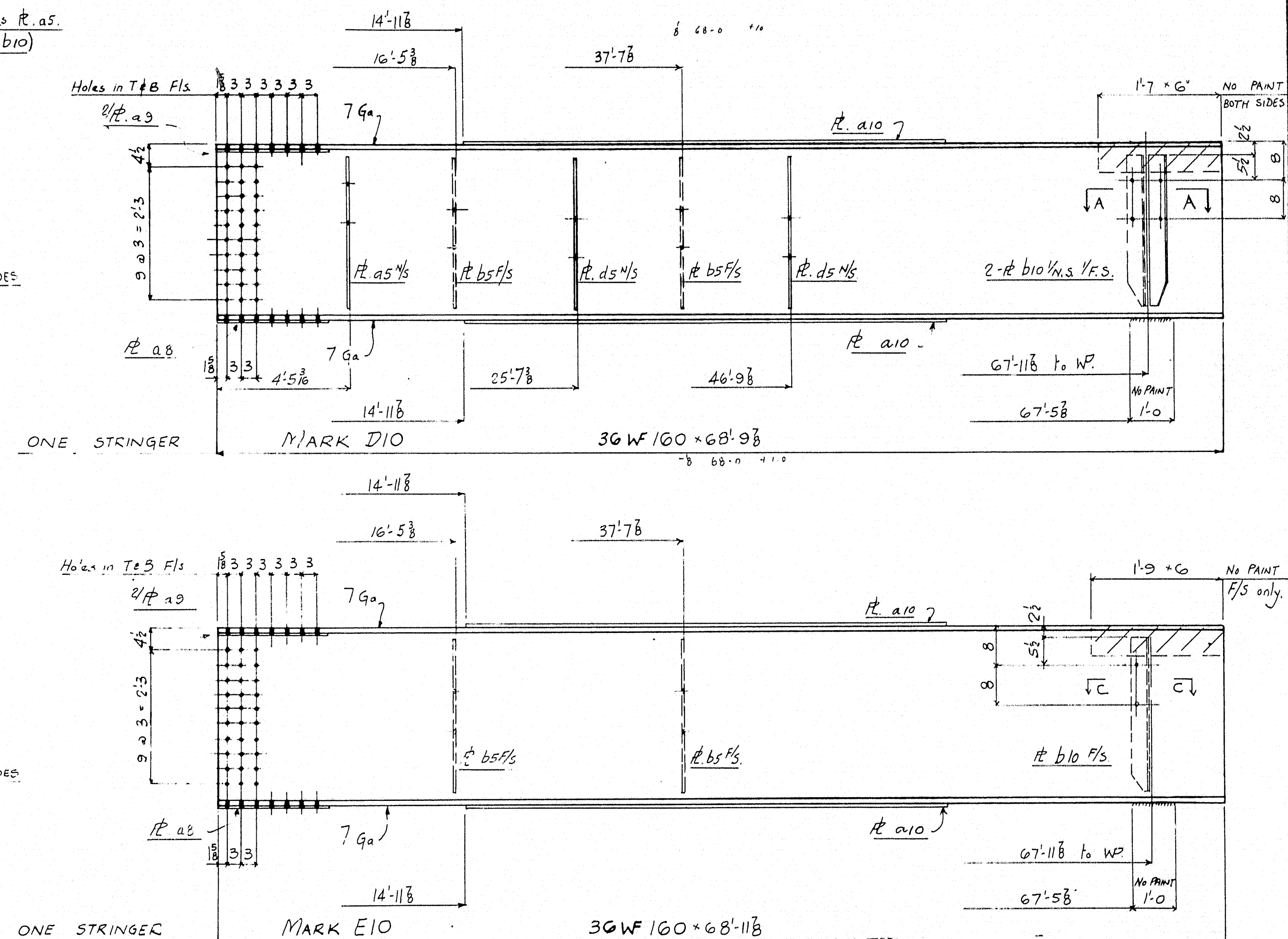


Snip corner 5x5 as ϕ . a5.
(Typical ϕ b10)



A cross-sectional diagram of a stringer. It shows a horizontal line representing the top surface, with a semi-circular arch above it. The arch is labeled "NO PAINT." at its peak. Below the horizontal line, a vertical line descends from the center, representing the stringer's support or base.

TYPICAL SECTION
THRU STRINGER



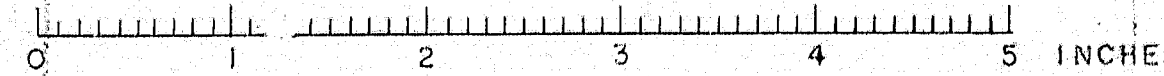
PAIN
One shop coat Red Lead & Oil as per
specs. except where noted and as follows:-

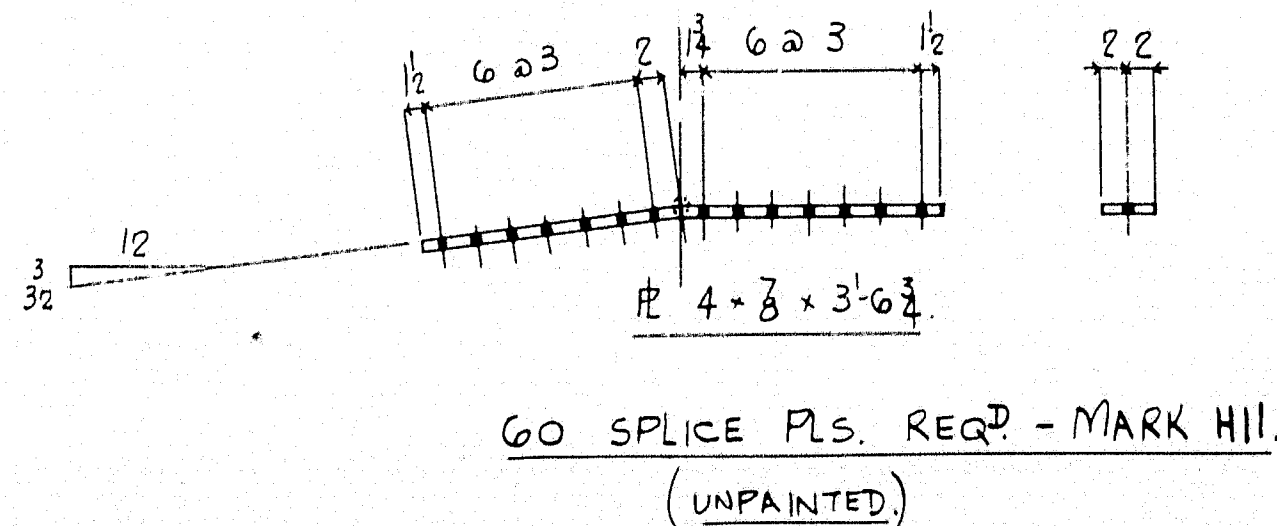
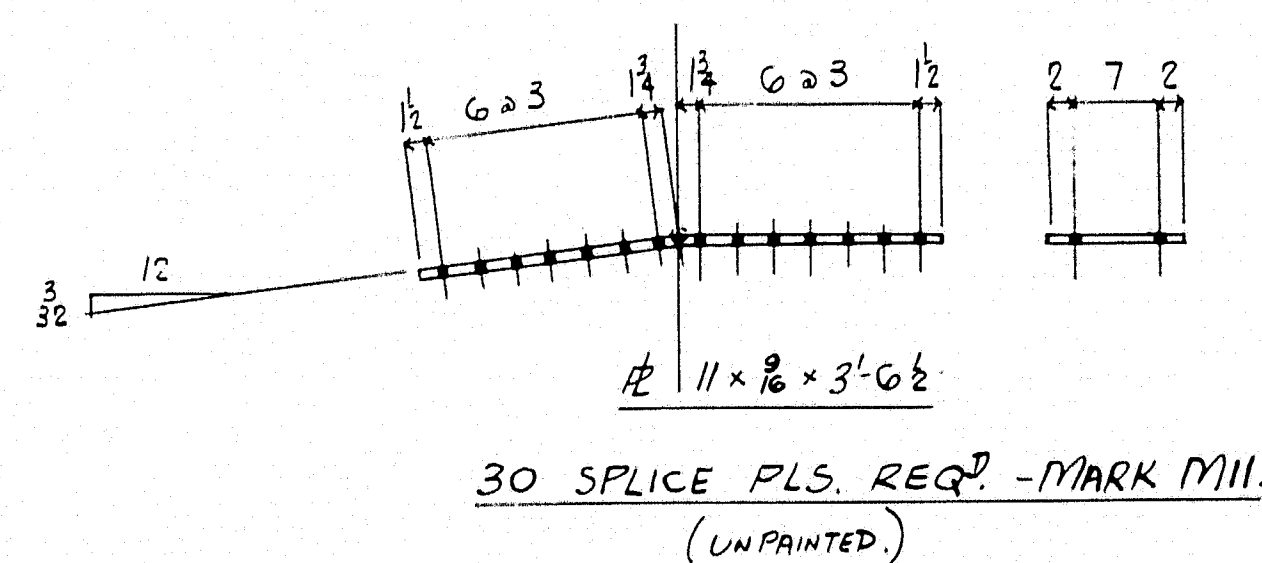
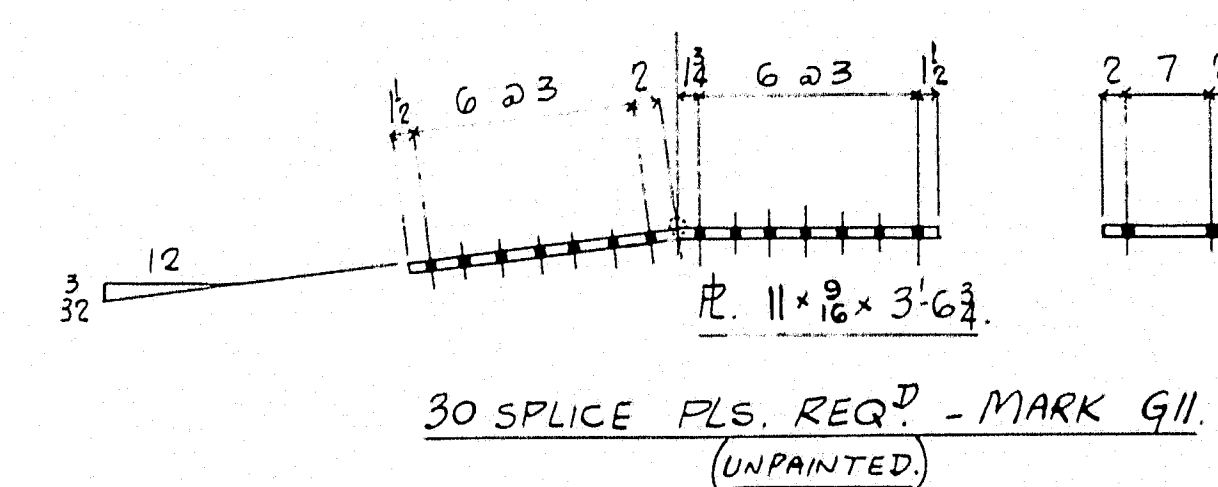
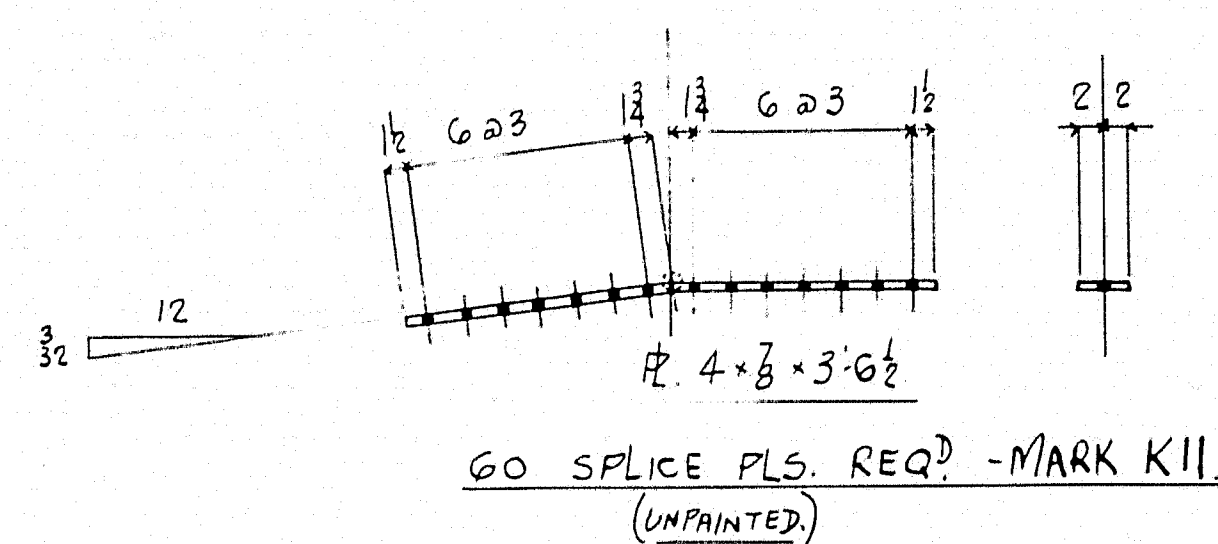
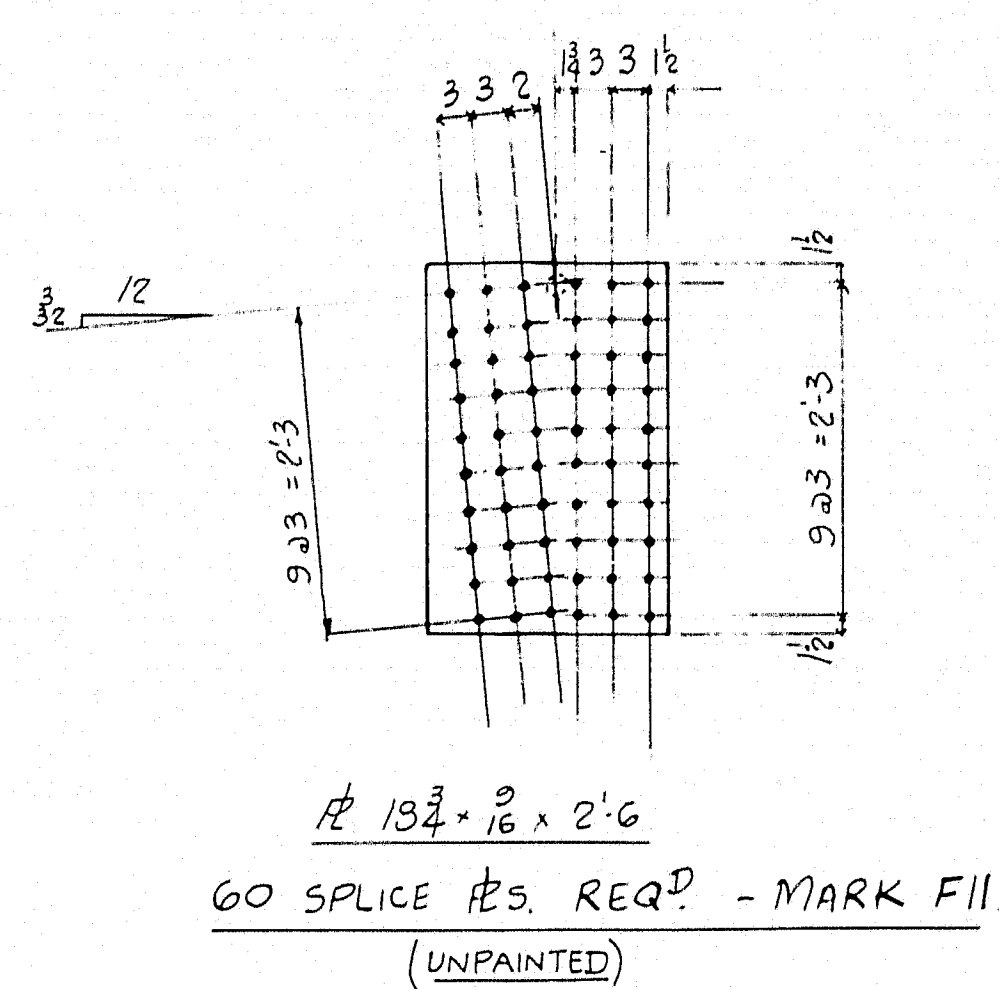
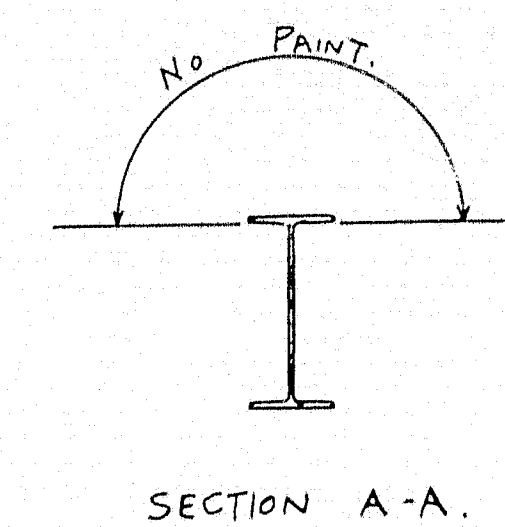
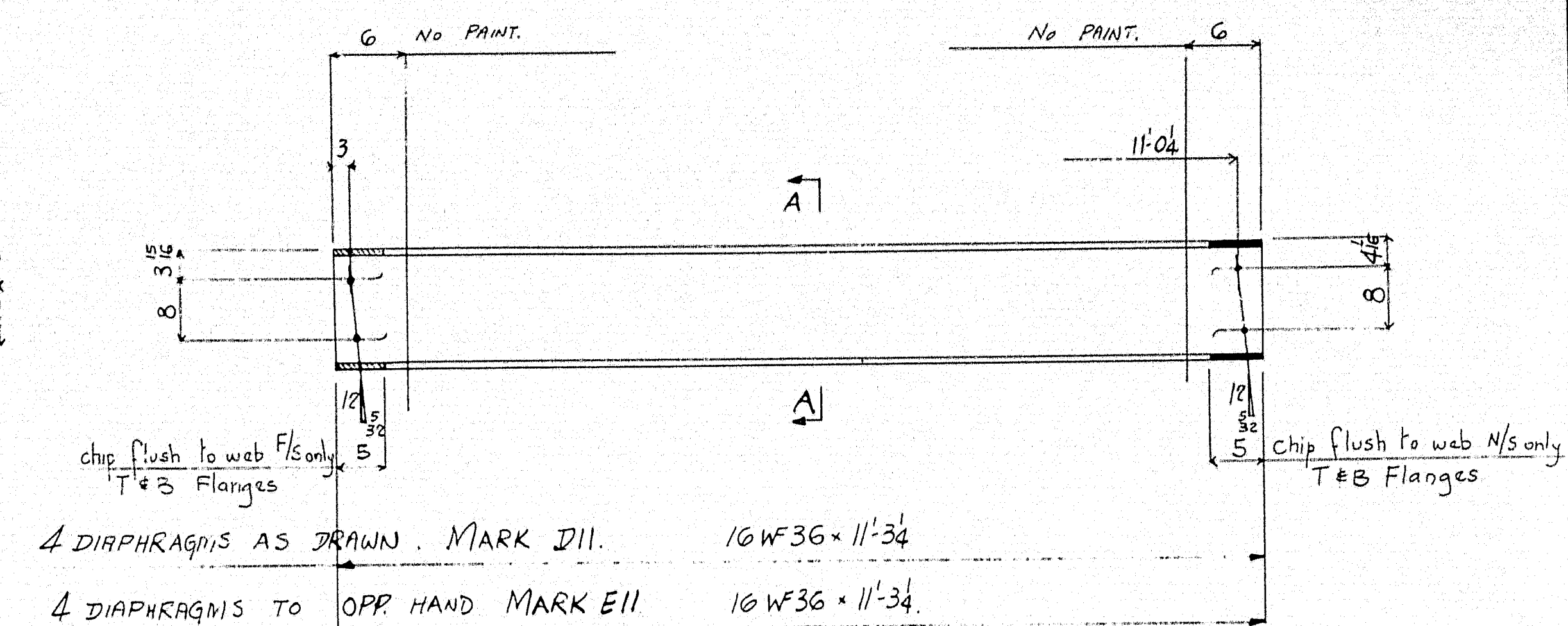
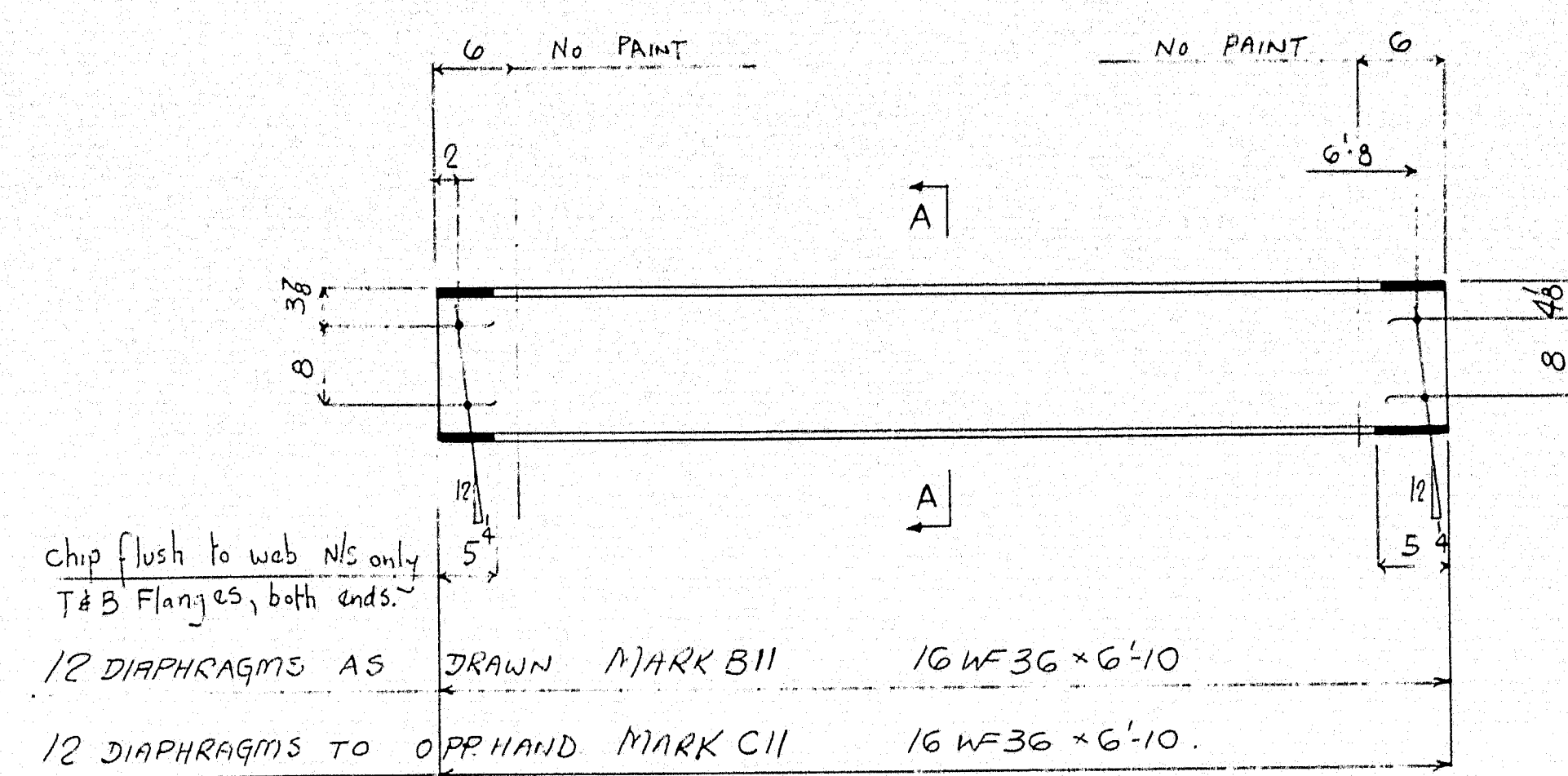
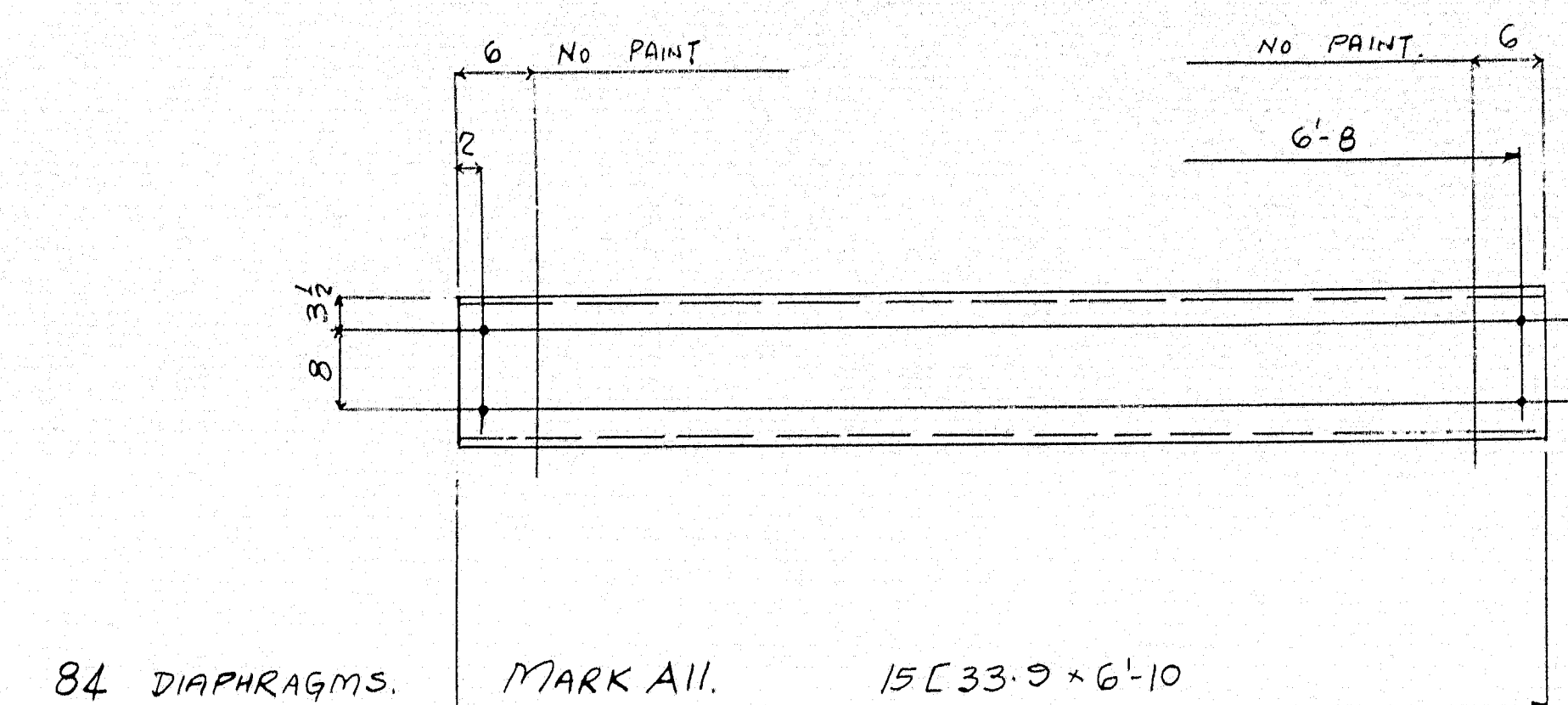
1. Fin plates to remain unpainted.
2. No paint to be applied within 2"
of open holes for splices.

Holes $\frac{5}{16}$ dia.
For splice pls. see drg. 11
For match marking of splice
pls. see drg. X.

| | | | |
|---------|---|------------|------------------|
| REVIEWS | DESCRIPTION: <u>DETAILS OF STRINGERS.</u> | DRAWN BY | DATE |
| A | JOB: <u>MUTTON LANE BRIDGE.</u> | <u>RWS</u> | <u>DEC 19/63</u> |
| B | <u>CLINTON - KENNEBEC COUNTY.</u> | CHECKED BY | DATE |
| C | <u>(STATE HIGHWAY COMMISSION)</u> | <u>CRG</u> | <u>31 Dec 63</u> |
| D | CUSTOMER: <u>H. E. CALLAHAN, INC.</u> | SHEET | <u>10</u> |
| E | <u>AUGUSTA IRON WORKS</u> | ORDER | <u>1057</u> |
| F | <u>AUGUSTA, MAINE</u> | | |
| G | | | |
| H | | | |
| J | | | |

87-150 L





PAINT: (UNLESS NOTED)
One coat Red Lead & Oil as
per specification.

ALL HOLES 1/8" φ.

ALL SPLICES TO BE

MATCH MARKED. SEE DRG. X.

| REVISIONS | DESCRIPTION | DRAWN BY | DATE |
|-----------|-------------------------------|------------|-----------|
| A | DIAPHRAGMS, SPLICE PLATES. | RWS | Dec 20/63 |
| B | JOB: MUTTON LANE BRIDGE | CHECKED BY | DATE |
| C | CLINTON - KENNEBEC COUNTY. | Dwg | 31 Dec 63 |
| D | (STATE HIGHWAY COMMISSION.) | | |
| E | CUSTOMER: H. E. CALLAHAN INC. | SHEET | 11 |
| F | | | |
| G | AUGUSTA IRON WORKS | ORDER | 1057 |
| H | AUGUSTA, MAINE | | |
| J | | | |

87-1504

