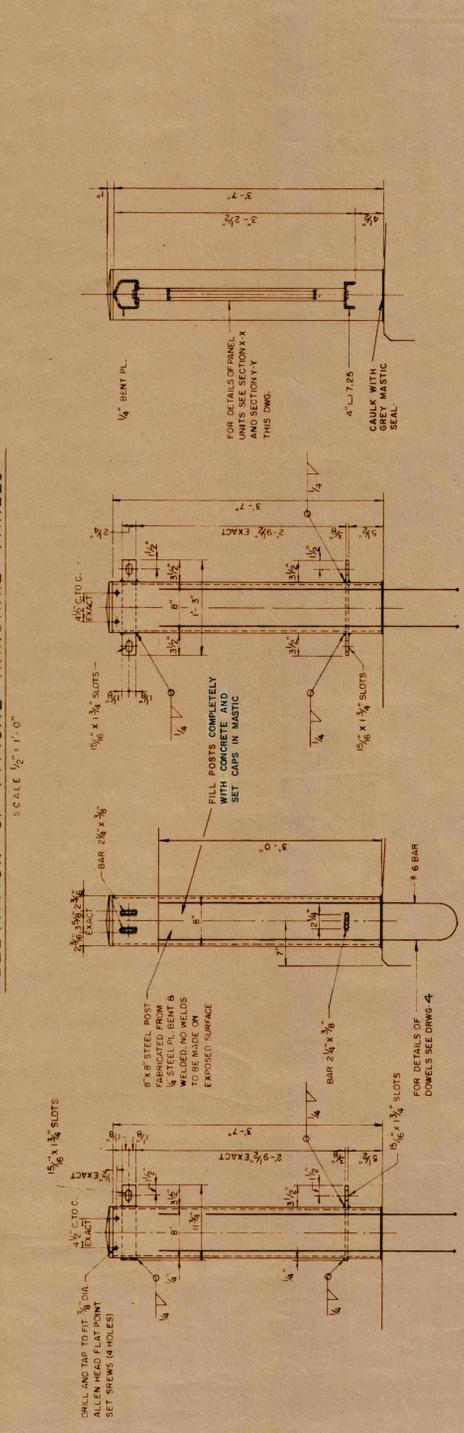
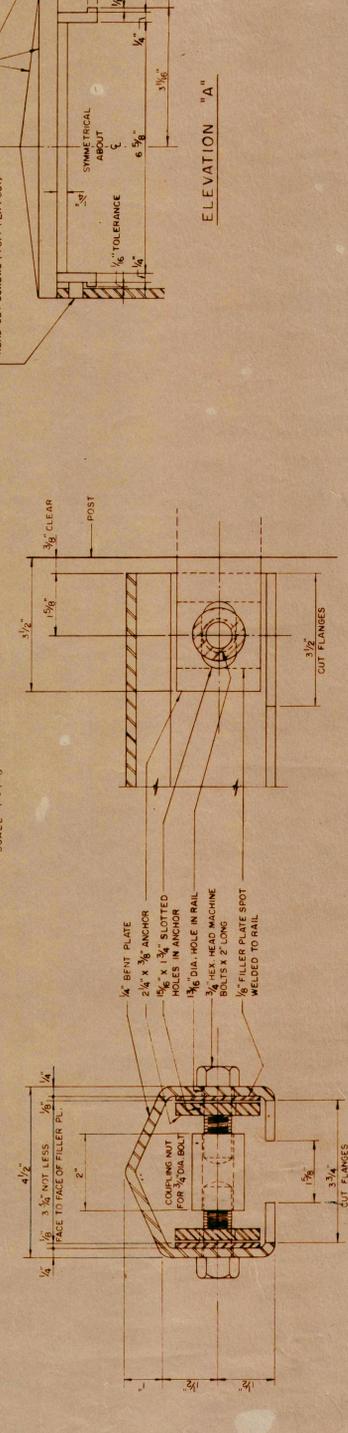


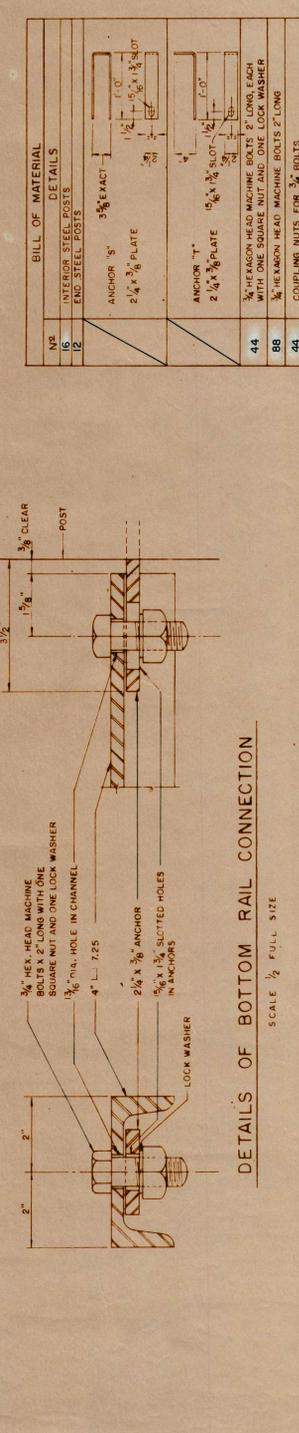
ELEVATION OF TYPICAL HANDRAIL PANELS
SCALE 1/2" = 1'-0"



SIDE ELEVATION OF INTERIOR POST
SCALE 1" = 1'-0"

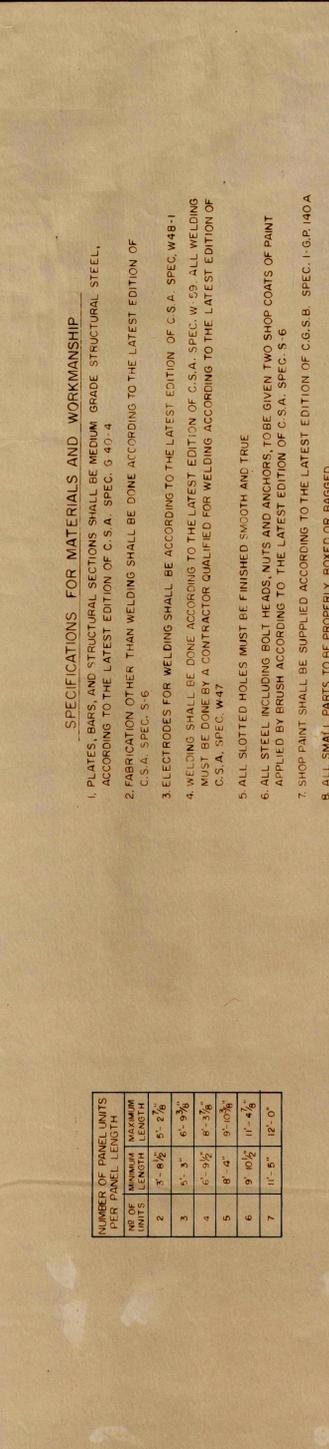


HANDRAIL POST DETAILS
SCALE 1" = 1'-0"

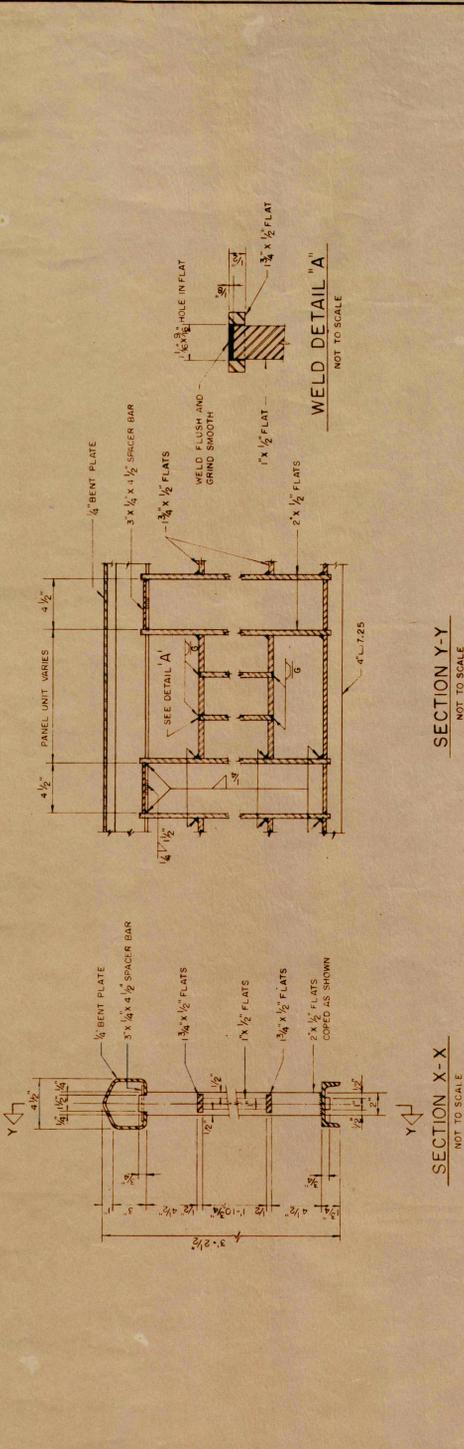


DETAILS OF TOP RAIL CONNECTION
SCALE 1/2" FULL SIZE

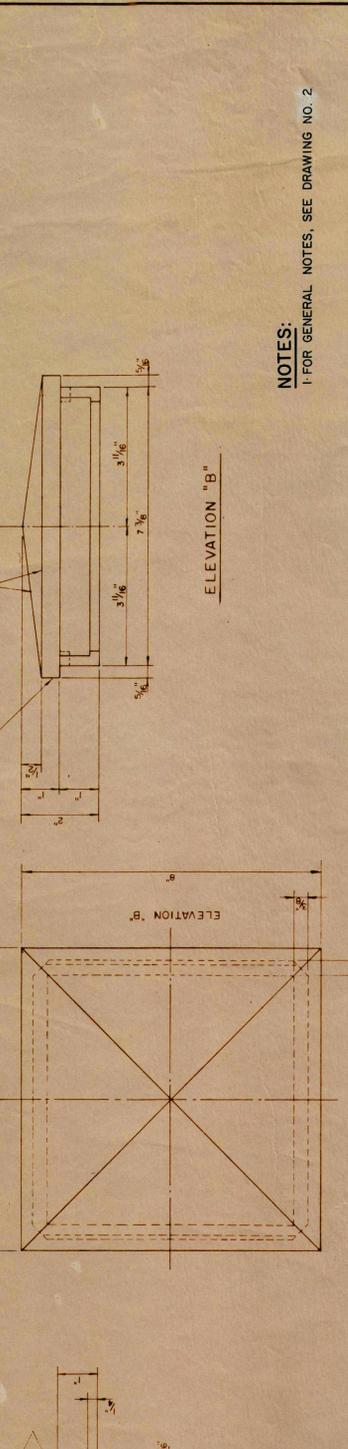
DETAILS OF BOTTOM RAIL CONNECTION
SCALE 1/2" FULL SIZE



SIDE ELEVATION OF END POST
SCALE 1" = 1'-0"



SECTION THROUGH HANDRAIL
SCALE 1" = 1'-0"



DETAILS OF TOP RAIL CONNECTION
SCALE 1/2" FULL SIZE

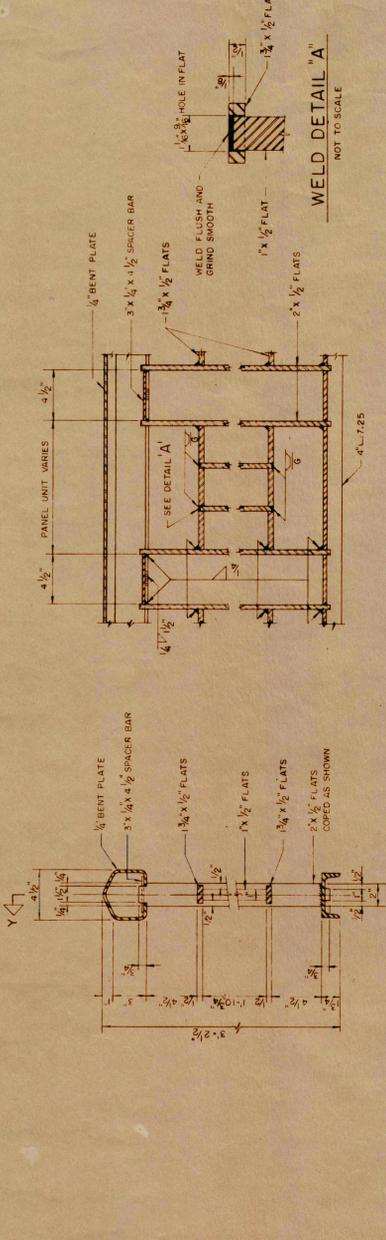
DETAILS OF BOTTOM RAIL CONNECTION
SCALE 1/2" FULL SIZE



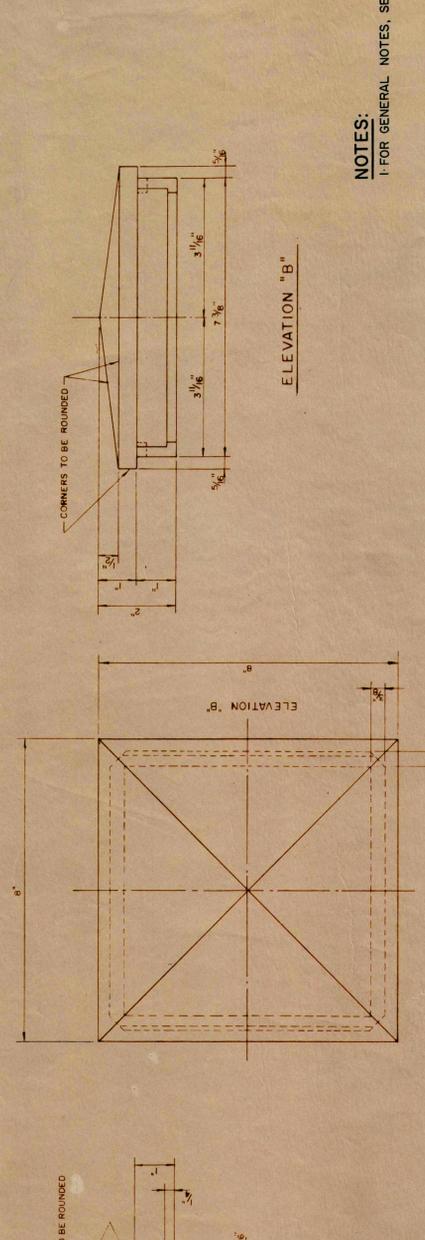
DETAILS OF ORNAMENTAL MALLEABLE IRON POST CAP
SCALE 1/2" FULL SIZE

- SPECIFICATIONS FOR MATERIALS AND WORKMANSHIP**
1. PLATES, BARS, AND STRUCTURAL SECTIONS SHALL BE MEDIUM GRADE STRUCTURAL STEEL, ACCORDING TO THE LATEST EDITION OF C.S.A. SPEC. 3.40-4.
 2. FABRICATION OTHER THAN WELDING SHALL BE DONE ACCORDING TO THE LATEST EDITION OF C.S.A. SPEC. 5.6.
 3. ELECTRODES FOR WELDING SHALL BE ACCORDING TO THE LATEST EDITION OF C.S.A. SPEC. W48-1.
 4. WELDING SHALL BE DONE ACCORDING TO THE LATEST EDITION OF C.S.A. SPEC. W.69. ALL WELDING MUST BE DONE BY A CONTRACTOR QUALIFIED FOR WELDING ACCORDING TO THE LATEST EDITION OF C.S.A. SPEC. W.47.
 5. ALL SLOTTED HOLES MUST BE FINISHED SMOOTH AND TRUE.
 6. ALL STEEL INCLUDING BOLT HEADS, NUTS AND ANCHORS, TO BE GIVEN TWO SHOP COATS OF PAINT APPLIED BY BRUSH ACCORDING TO THE LATEST EDITION OF C.S.A. SPEC. 5.6.
 7. SHOP PAINT SHALL BE SUPPLIED ACCORDING TO THE LATEST EDITION OF C.G.S.B. SPEC. 1.6.P.140A.
 8. ALL SMALL PARTS TO BE PROPERLY BOXED OR BAGGED.
 9. FABRICATOR TO PUNCH MARK HIGH END WITH 3/8" H. TOP SURFACE, END OF TOP RAIL ELEMENT.
 10. ALL STEEL MUST BE SAND BLASTED BEFORE PAINTING.

NUMBER OF PANEL UNITS PER PANEL LENGTH	UNIT LENGTH PER PANEL LENGTH
2	3'-0 1/2"
3	5'-0"
4	6'-0 1/2"
5	8'-0"
6	9'-0 1/2"
7	11'-0"



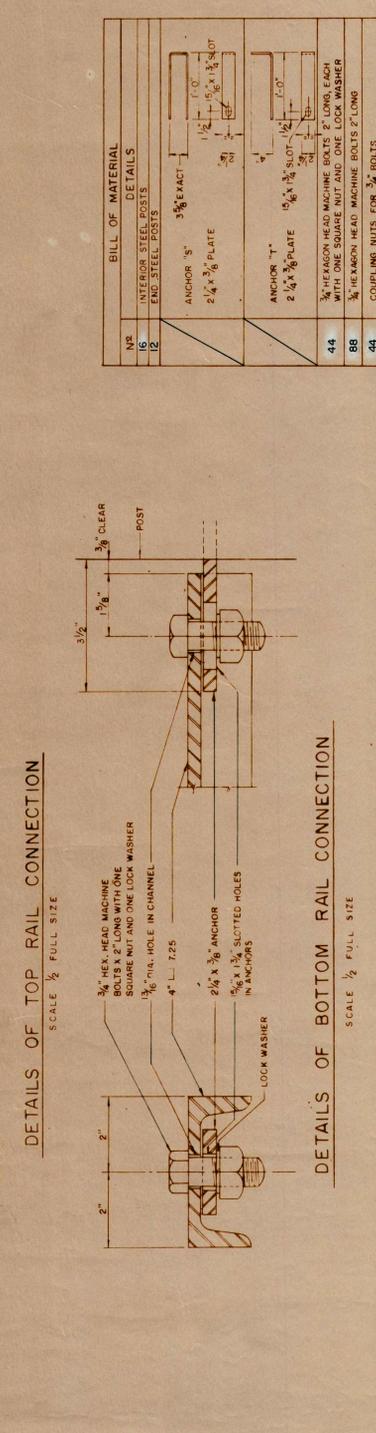
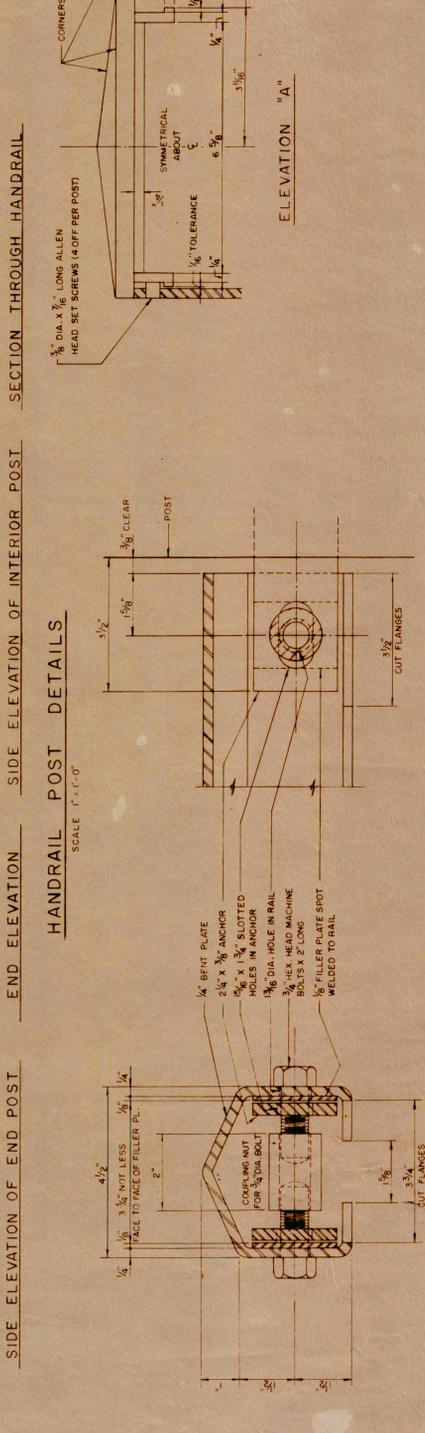
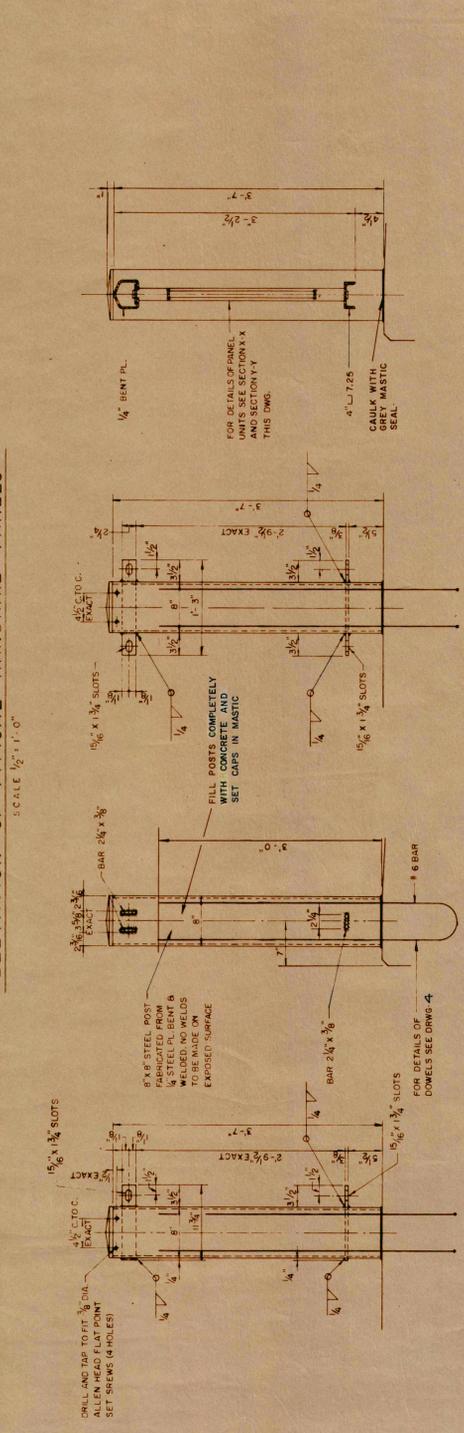
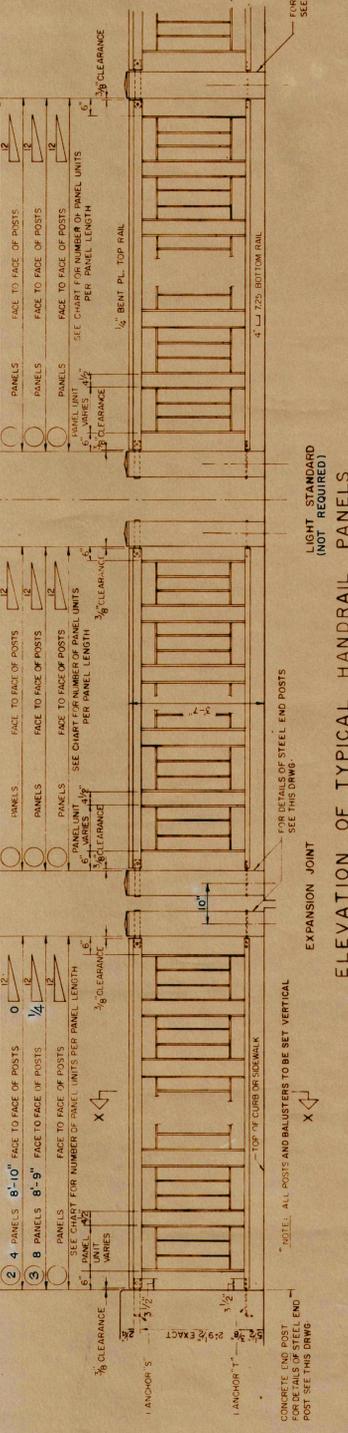
WELD DETAIL "A"
NOT TO SCALE



SECTION Y-Y
NOT TO SCALE



SECTION X-X
NOT TO SCALE



DETAILS OF TOP RAIL CONNECTION
SCALE 1/2" FULL SIZE

DETAILS OF BOTTOM RAIL CONNECTION
SCALE 1/2" FULL SIZE

NOTES:
1. FOR GENERAL NOTES, SEE DRAWING NO. 2.



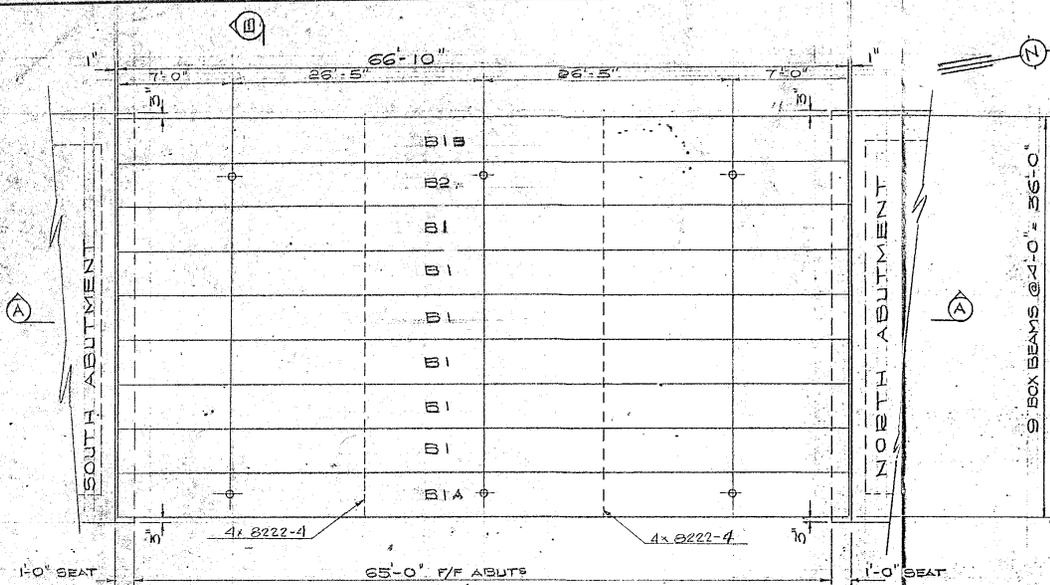
DATE	DESCRIPTION	REVISION
	C. C. PARKER AND ASSOCIATES LIMITED Consulting Engineers LONDON HAMILTON OTTAWA	

COUNTIES OF STORMONT, DUNDAS & GLENGARRY
INKERMAN BRIDGE
OVER NORTH BRANCH, SOUTH NATION RIVER
COUNTY OF DUNDAS
TOWNSHIP OF MOUNTAIN
LOT 18

HANDRAIL DETAILS

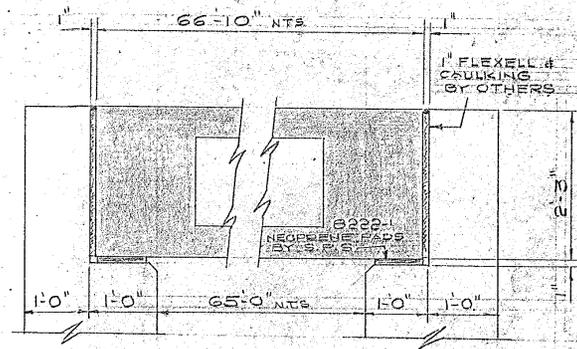
DESIGN	K.	JOB NO.	11
DRAW	W. A. I.	DATE	
CHECK	K.	AUG. 6, 1964	

DRAWING NO. 5



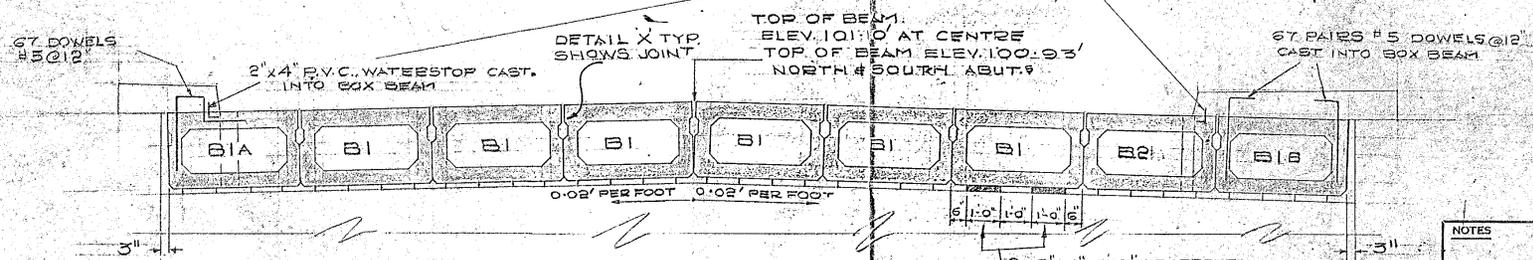
BOX BEAM LAYOUT PLAN
Scale 3/16" = 1'-0"

ALL BEAMS ARE MARKED NORTH ABUT. ON ONE END. THIS END SHOULD BE SEATED ON THE NORTH ABUTMENT.

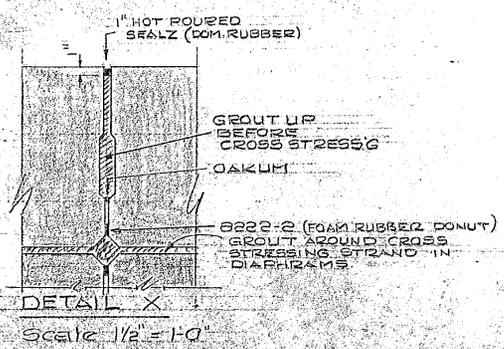


SECTION AA
Scale 3/8" = 1'-0"

MATERIAL LIST	
PART NO.	DESCRIPTION
822-1	9" x 12" x 1" NEOPRENE PAD. 36 REQ.
822-2	3" x 1" FOAM RUBBER GASKETS 20 REQ.
822-3	1" FLEXFILL # CAULKING BY OTHERS
822-4	END POSTERS. 4 REQ.
822-5	0.276" x 1/2" WIRE
822-6	350'



SECTION B-B
Scale 3/8" = 1'-0"



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

APPROVED AS NOTED

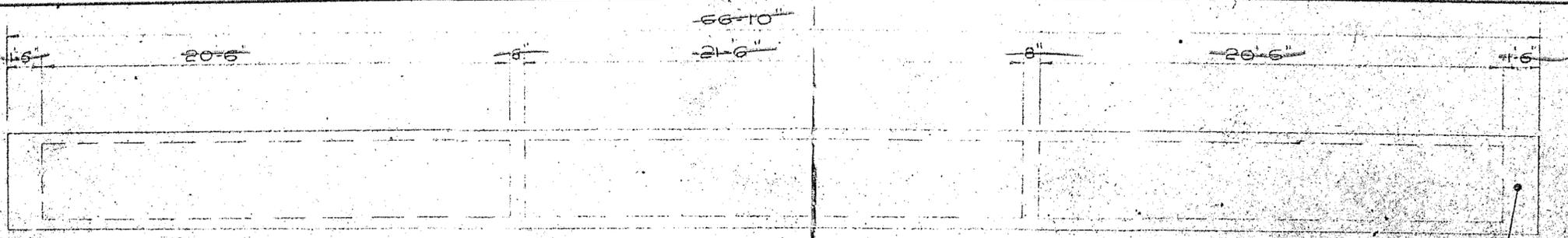
C.C. PARKER AND ASSOCIATES LIMITED
Consulting Engineers
Date: **NOV 20 1964**

This approval does not release the contractor from responsibility for correctness of dimensions, fit of parts, and compliance with specifications.

ISSUE	DATE	REMARKS
3	Nov 14	REVISIONS
2	Nov 16	Revised Provisions
1	Nov 14	Provisions
0	Nov 14	FOR APPROVAL

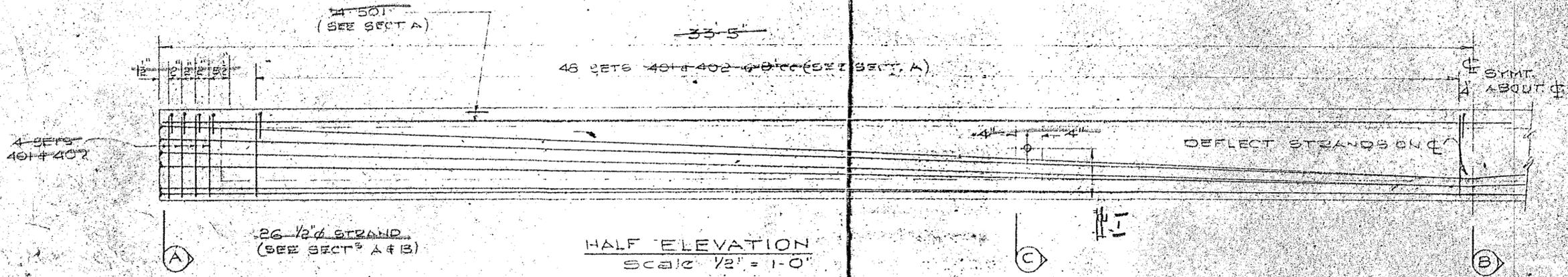
NO MATERIAL WILL BE PRODUCED UNTIL S.P.S. LTD. RECEIVES APPROVAL OF THIS DRAWING.
TO HELP US EXPEDITE PRODUCTION OF YOUR ORDER PLEASE RETURN APPROVED DRAWING AS SOON AS POSSIBLE.

NOTES	WORK ORDER
	QUANTITY
STEEL SHEET	
MATERIAL LIST	
CONCRETE	
VOLUME	
WEIGHT	
STANDARD PRESTRESSED STRUCTURES LIMITED ONTARIO	
MAPLE	
JOB INKERMAN BRIDGE	
NORTH BRANCH, SOUTH NATION RIVER	
COUNTIES OF STORMONT, DUNDAS & GLENAGATY	
LAYOUT & SECTION DETAILS	
ARCHITECT	DRN BY
ENGINEER C.C. PARKER & ASSOC.	J.H.
CONTRACTOR	CHK'D BY
APPROVED BY	DATE
SCALE	DRS. No.
As noted	822-EI
	ISSUE
	12

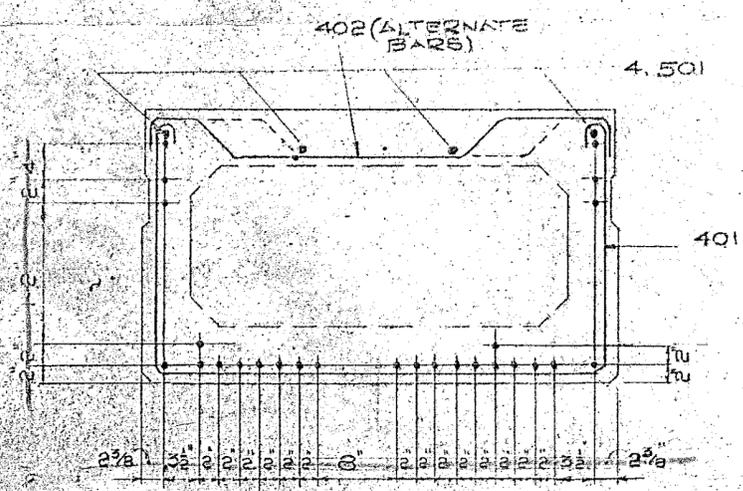


PLAN
Scale 1/4" = 1'-0"

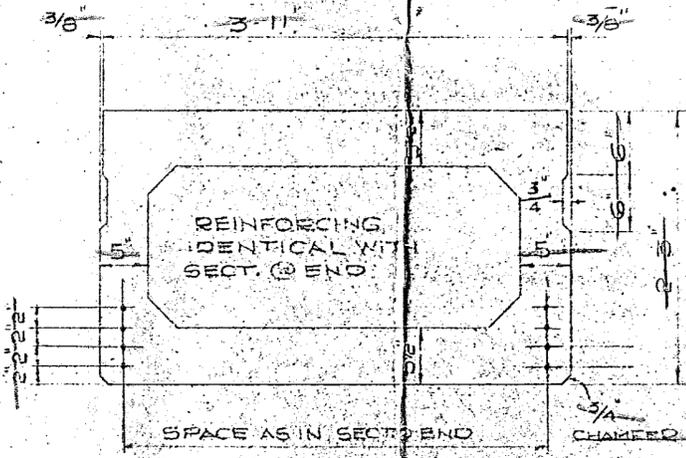
TOP FACE THIS END
TO BE CLEARLY
MARKED
NORTH ABUT.



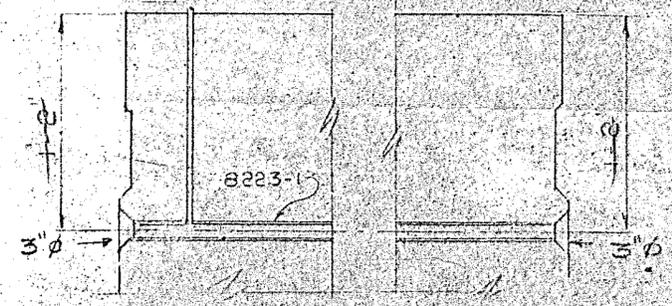
HALF ELEVATION
Scale 1/2" = 1'-0"



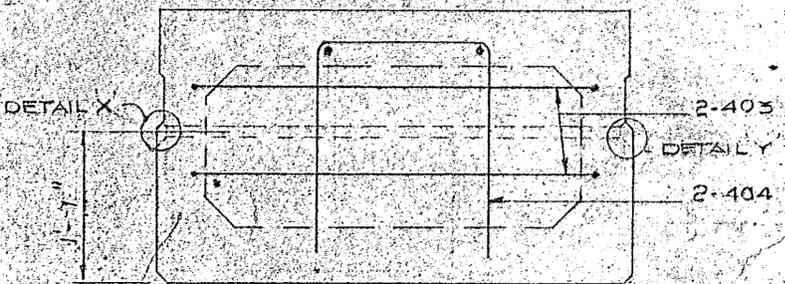
END SECTION A
SHOWS PLACEMENT OF STRANDS
AT ENDS & TYPICAL REINFG



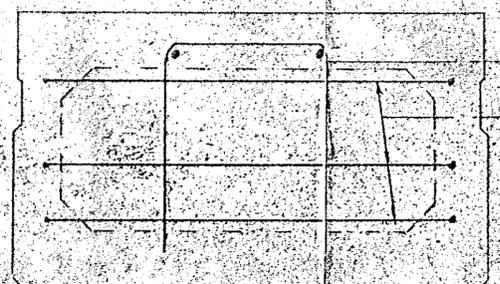
MID SPAN SECTION B
SHOWS DISPLACEMENT OF
STRANDS AT MID SPAN



DETAIL X DETAIL Y
Scale 1/8" = 1'-0"



SECTION C
SHOWS ADDITIONAL REINFG
IN DIAPHRAGMS



DIAPH. SECT C
SHOWS ADDITIONAL REINFG
IN END BLOCKS

APPROVED AS NOTED
C. C. PARKER AND ASSOCIATES LIMITED
Consulting Engineers
By: _____ Date: NOV 19 1964
The approval does not release the contractor from responsibility for correctness of dimensions, fit of parts, and compliance with specifications.

NOTES
1. FINISH ON BOT SURFACE INCLUDING 3/4" CHAMFER

WORK ORDER	8223
QUANTITY	5
STEEL SHEET	1
MATERIAL LIST	8223-1
CONCRETE	5,000#
VOLUME	300c.Ft.
WEIGHT	45,000#

STANDARD PRESTRESSED STRUCTURES LIMITED
MAPLE ONTARIO

JOB: INKERMAN BRIDGE
NORTH BRANCH, SOUTH NATION RIVER
COUNTIES OF STORMONT, DUNDAS & GLENCAIRY

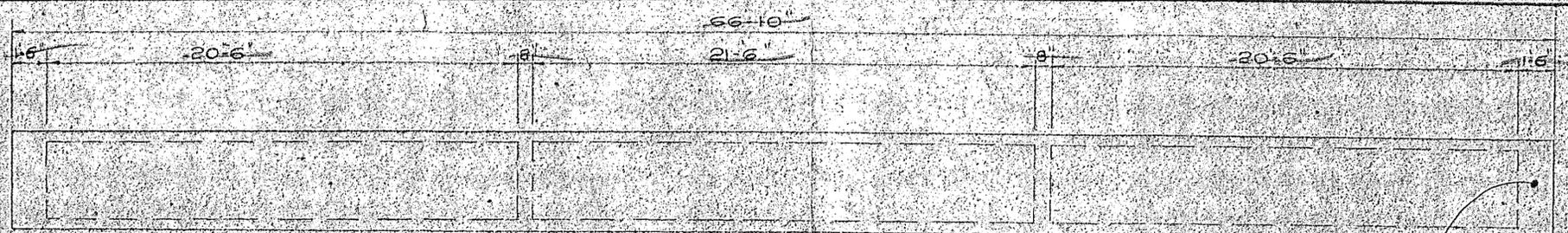
SHOP DETAILS
BEAM B1

office copy

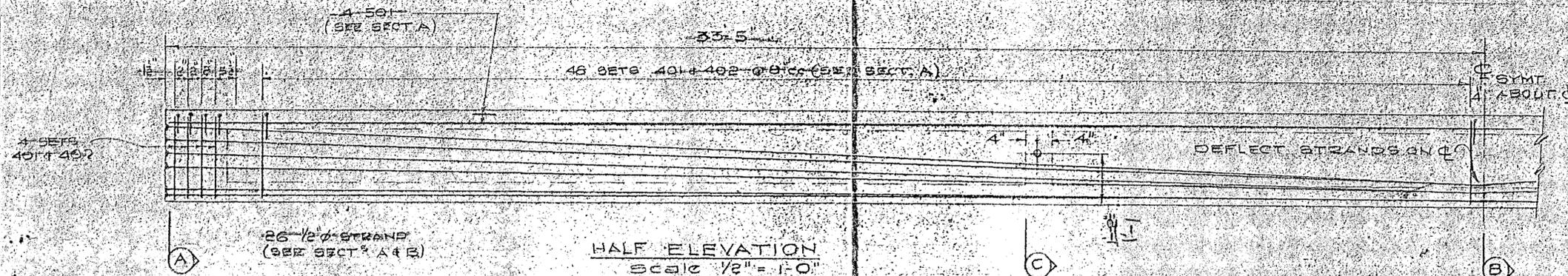
ISSUE	DATE	REMARKS
1	Nov 13/64	Preparation
0	Nov 4/64	FOR APPROVAL

NO MATERIAL WILL BE PRODUCED UNTIL S.P.S. LTD. RECEIVES APPROVAL OF THIS DRAWING.
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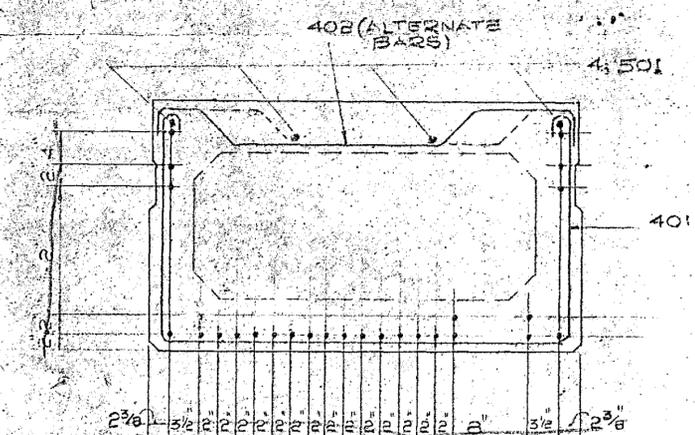
ARCHITECT	DRN BY
ENGINEER C. C. PARKER & ASSOC.	LC
CONTRACTOR	CHD BY
APPROVED BY	MS
SCALE	DRG. No.
As noted	8223-B1
ISSUE	0



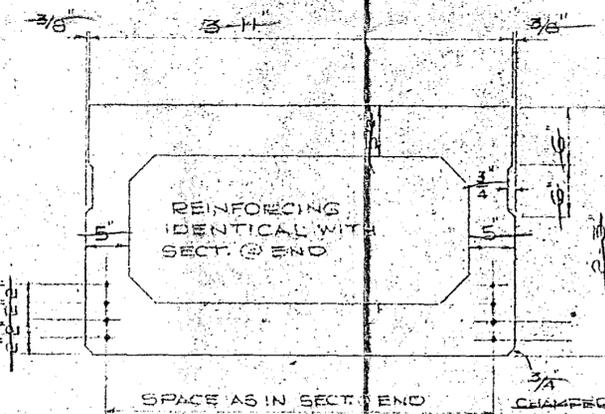
PLAN
Scale 1/4" = 1'-0"



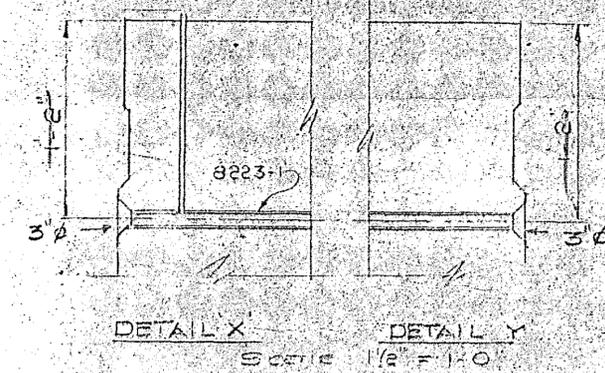
HALF ELEVATION
Scale 1/2" = 1'-0"



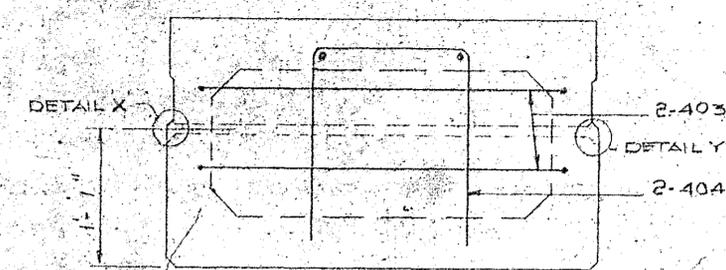
END SECTION A
SHOWS PLACEMENT OF STRANDS AT ENDS & TYPICAL REINFG.



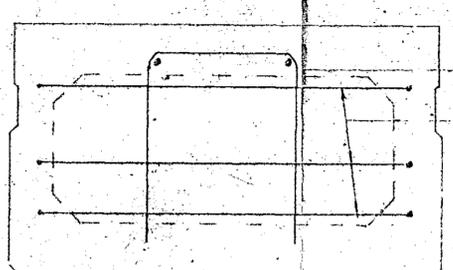
MID SPAN SECTION B
SHOWS DISPLACEMENT OF STRANDS AT MID SPAN



DETAIL X DETAIL Y
Scale 1/2" = 1'-0"



SECTION C
SHOWS ADDITIONAL REINFG. IN DIAPHRAGMS



DIAPH. SECT. C
SHOWS ADDITIONAL REINFG. IN END BLOCKS

MATERIAL LIST	
PART NO.	DESCRIPTION
2	10.0 x 1.0 TUBE
3	3/8" LONG
2	REQD.
4	CARBOARD BOX 20'-6" LG.
2	REQD.
5	CARBOARD BOX 21'-6" LG.
1	REQD.

APPROVED AS NOTED
C. C. PARKER AND ASSOCIATES LIMITED
Consulting Engineers
By: *K* Date: **NOV 19 1964**
This Approval does not release the contractor from responsibility for correctness of dimensions, fit of parts, and compliance with specifications.

NOTES	
1	FINISH ON BOT. SURFACE INCLUDING 3/4" CHAMFER

WORK ORDER	8223
QUANTITY	1
STEEL SHEET	1
MATERIAL LIST	8223-1
CONCRETE	5,000#
VOLUME	300c.ft.
WEIGHT	45,000#

STANDARD PRESTRESSED STRUCTURES LIMITED
MAPLE ONTARIO
JOB INKERMAN BRIDGE
NORTH BRANCH SOUTH NATION RIVER
COUNTIES OF STORMONT, DUNDAS & GLENACEY

SHOP DETAILS	
BEAM B2	
ARCHITECT	C.C. PARKER & ASSOC.
CONTRACTOR	
APPROVED BY	DATE
SCALE	AS NOTED
DRG. NO.	822-B2
ISSUE	0

ISSUE	DATE	REMARKS
1	Nov 1964	Production
2	Nov 4	FOR APPROVAL

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