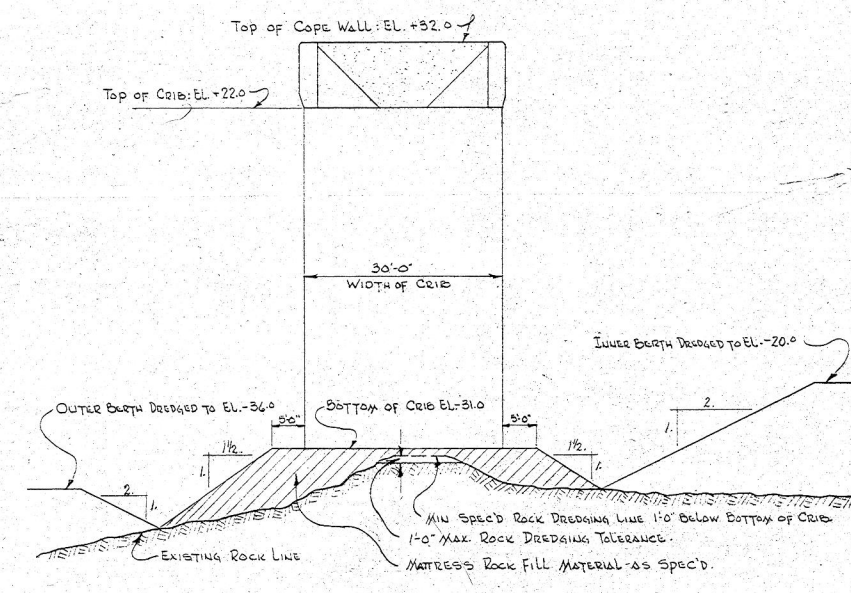
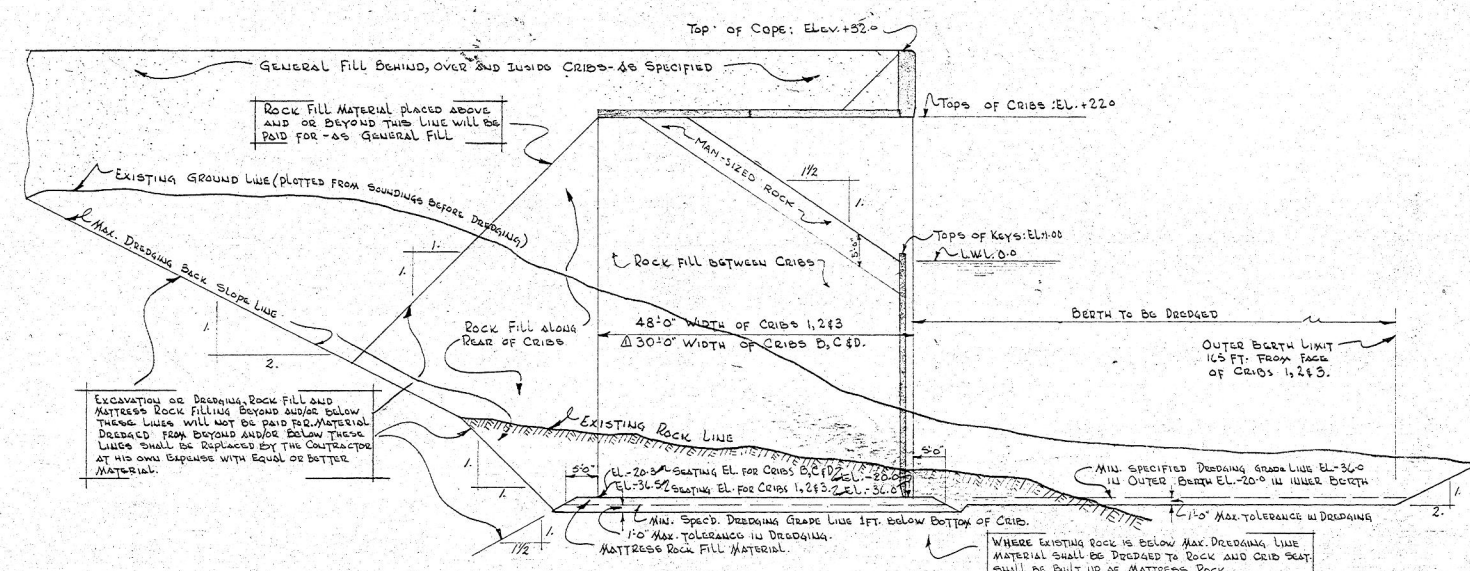


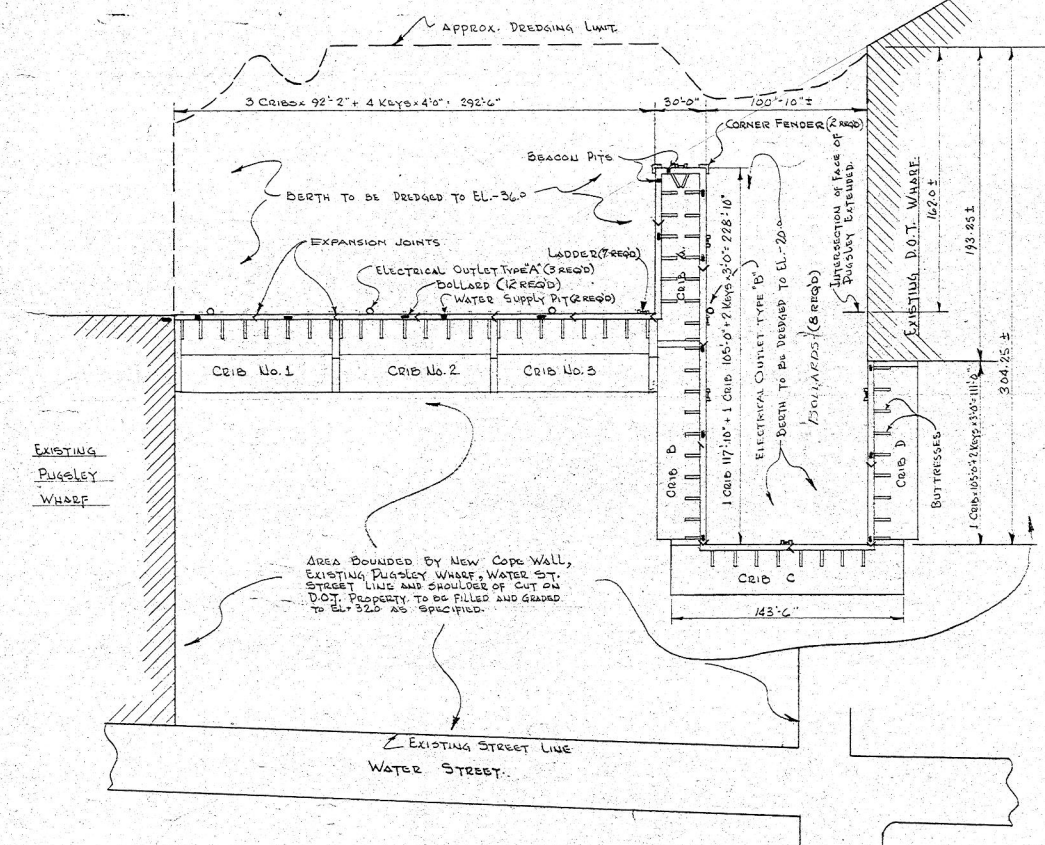
ELEVATIONS SOUNDINGS AND BORINGS
 SCALE: 1" = 40.0'



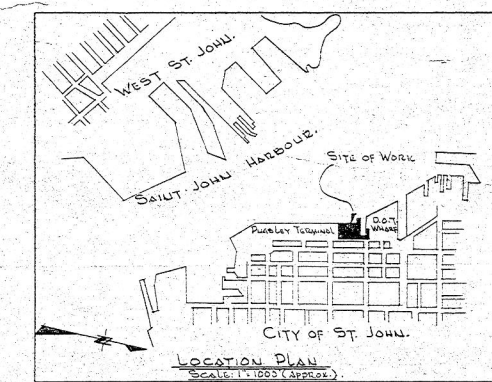
SECTION THROUGH OUTER END OF CRIB A.
 SCALE: 1" = 10.0'



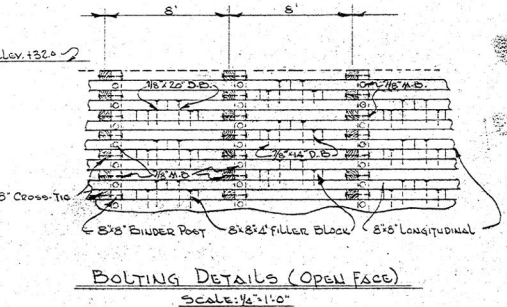
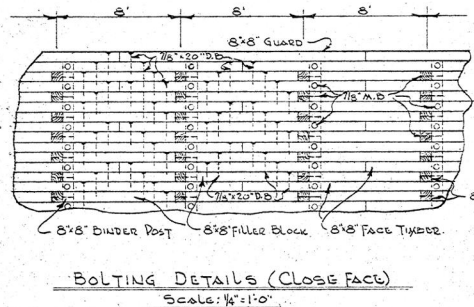
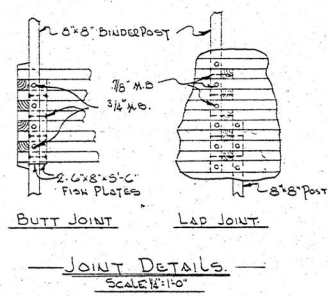
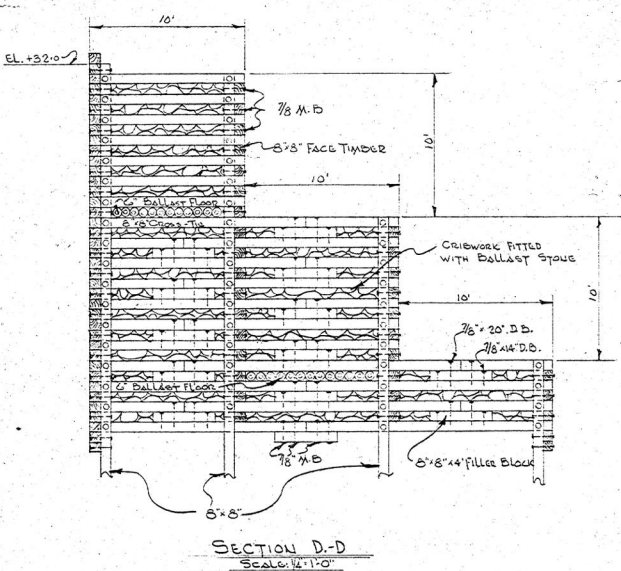
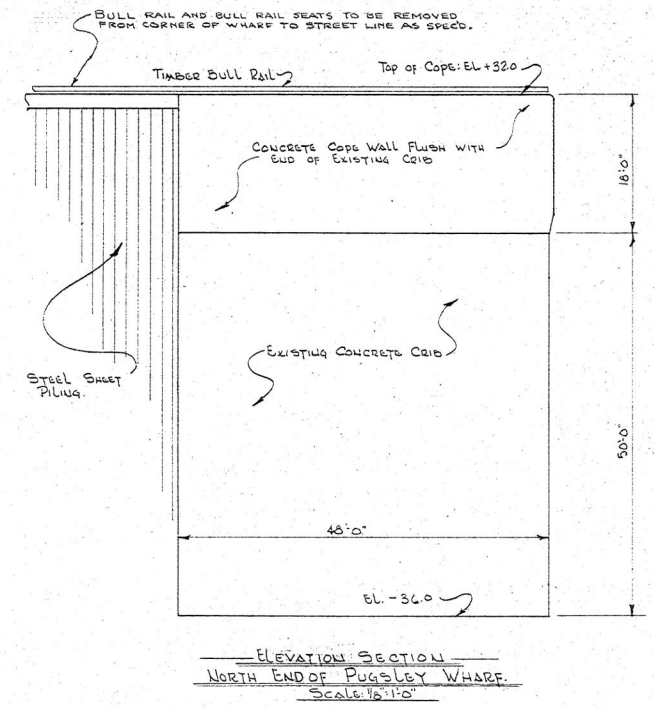
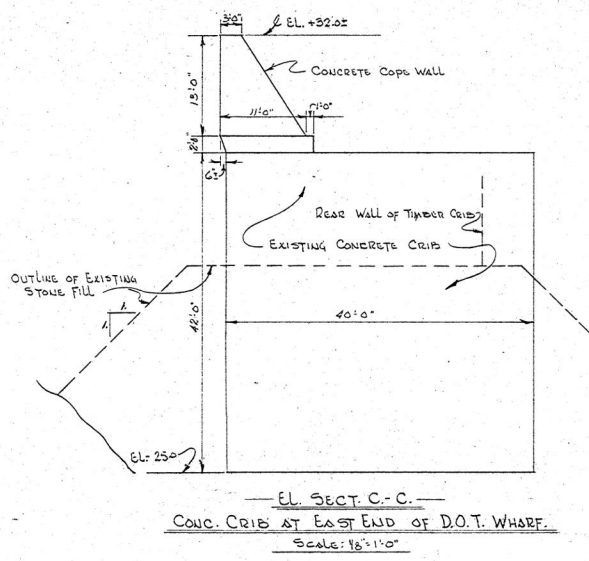
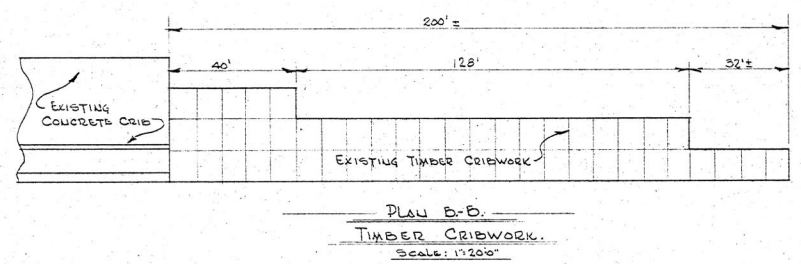
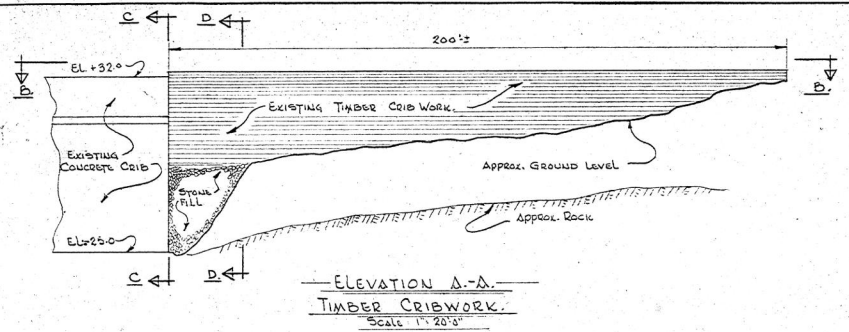
TYPICAL SECTION BETWEEN CRIBS SHOWING LIMITS OF DREDGING, EXCAVATION AND FILL.
 SCALE: 1" = 10.0'



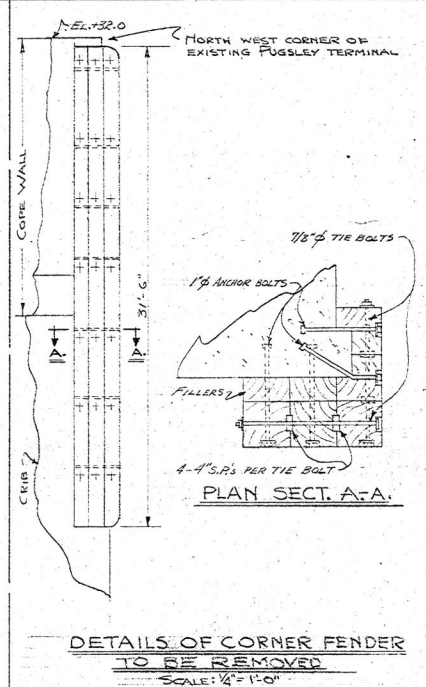
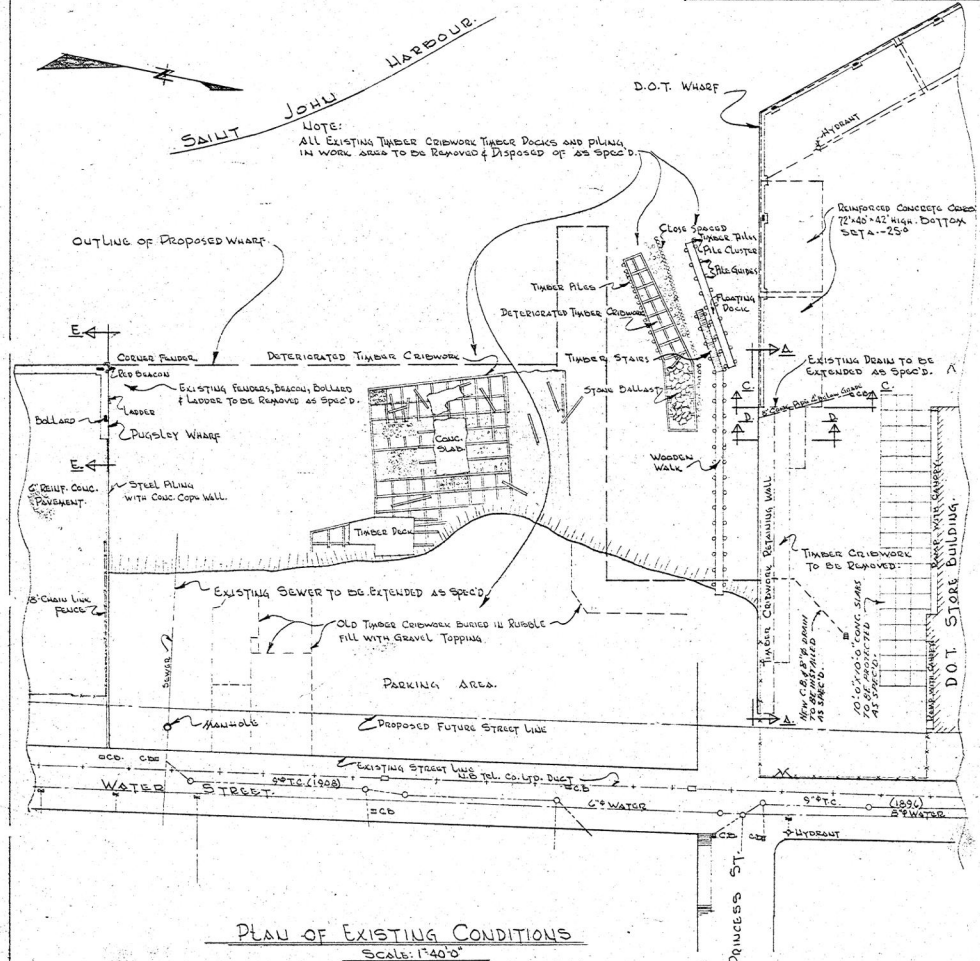
PROPOSED EXTENSION - LAYOUT OF CRIBS.
 SCALE: 1" = 40.0'



NATIONAL HARBOURS BOARD	
EXTENSION TO PUGSELEY TERMINAL WHARF SAINT JOHN HARBOUR N.B.	
LOCATION PLAN, ELEVATIONS, SOUNDINGS & BORINGS, LAYOUT OF CRIBS & TYPICAL SECTIONS	
SCALE AS SHOWN	DESIGN BY: R.L.L. H.B.M.
DRAWN BY: R.L.L. C.A.W.	CHECKED BY: R.L.L. H.B.M.
DATE: APRIL 18, 1947	PLAN No. 53-3131
OTTAWA, ONT., APRIL 18, 1947	

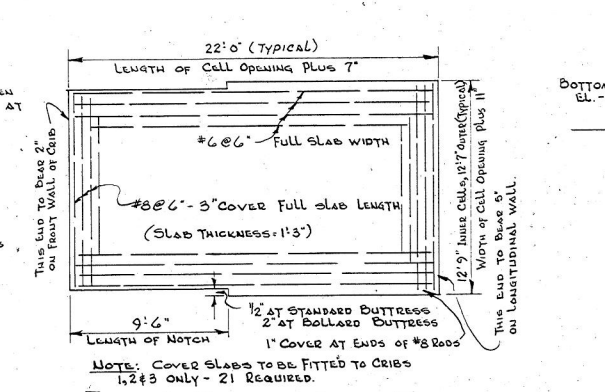
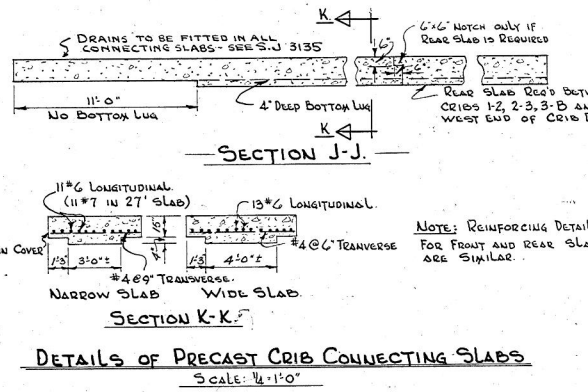
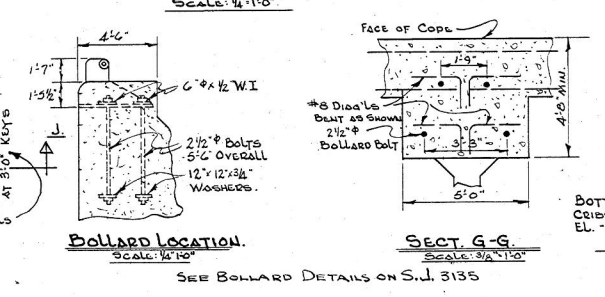
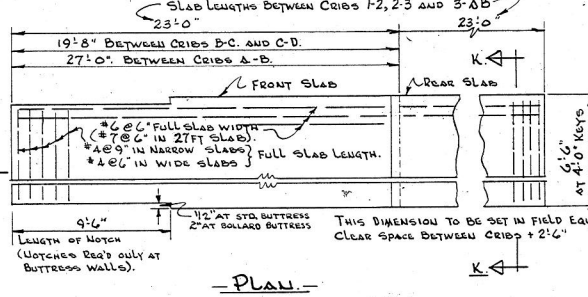
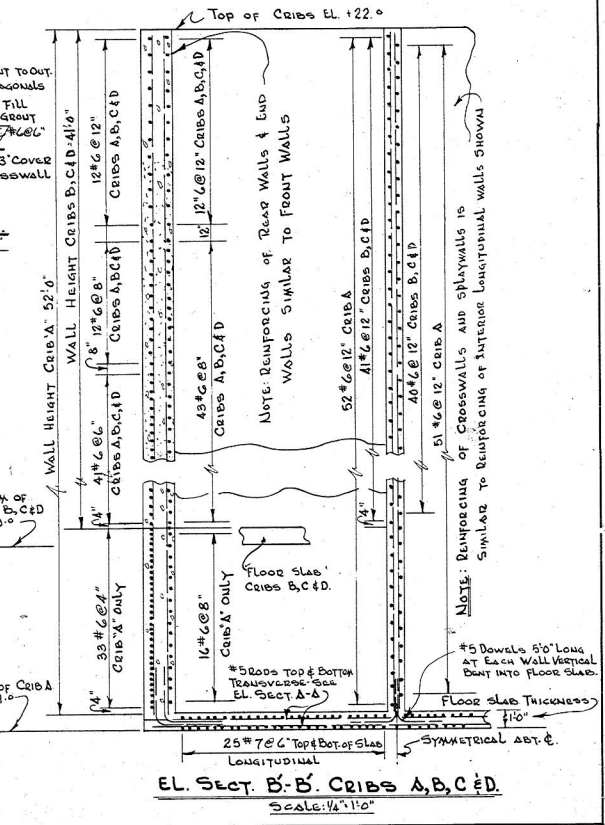
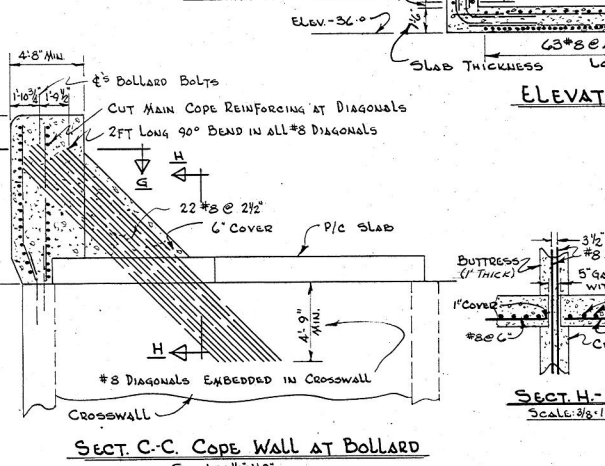
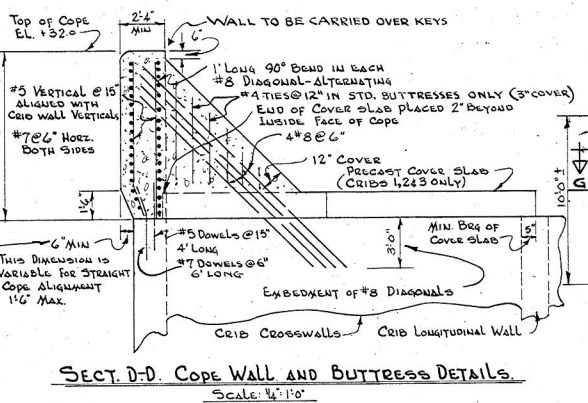
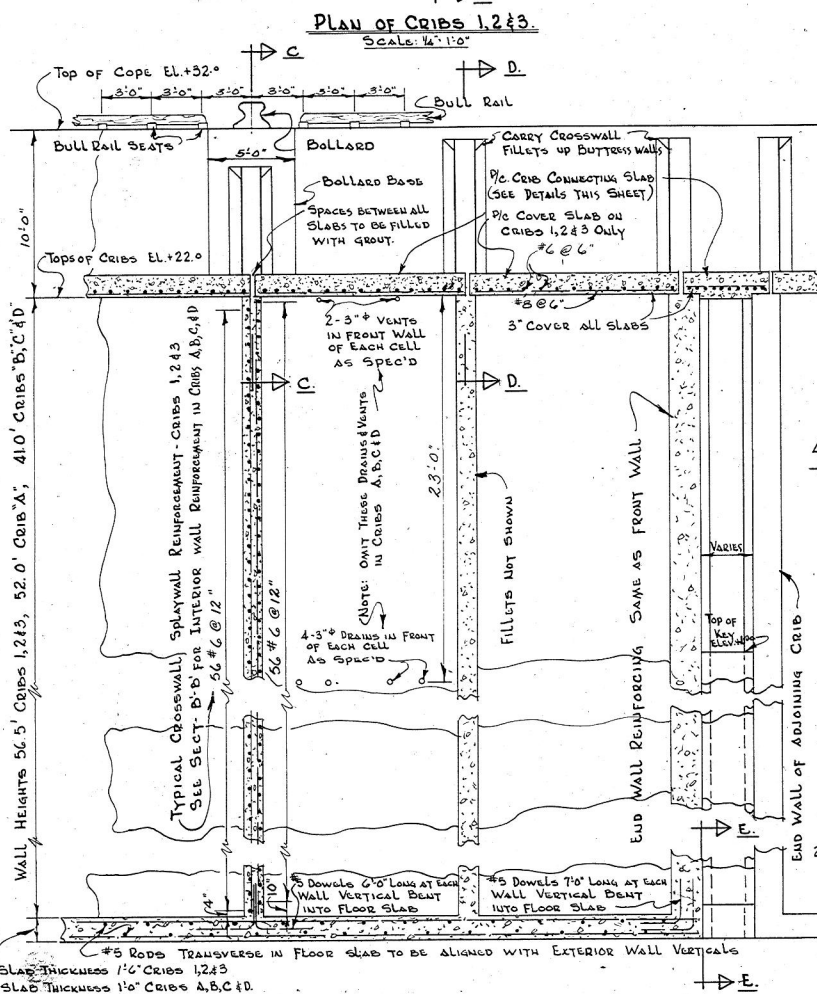
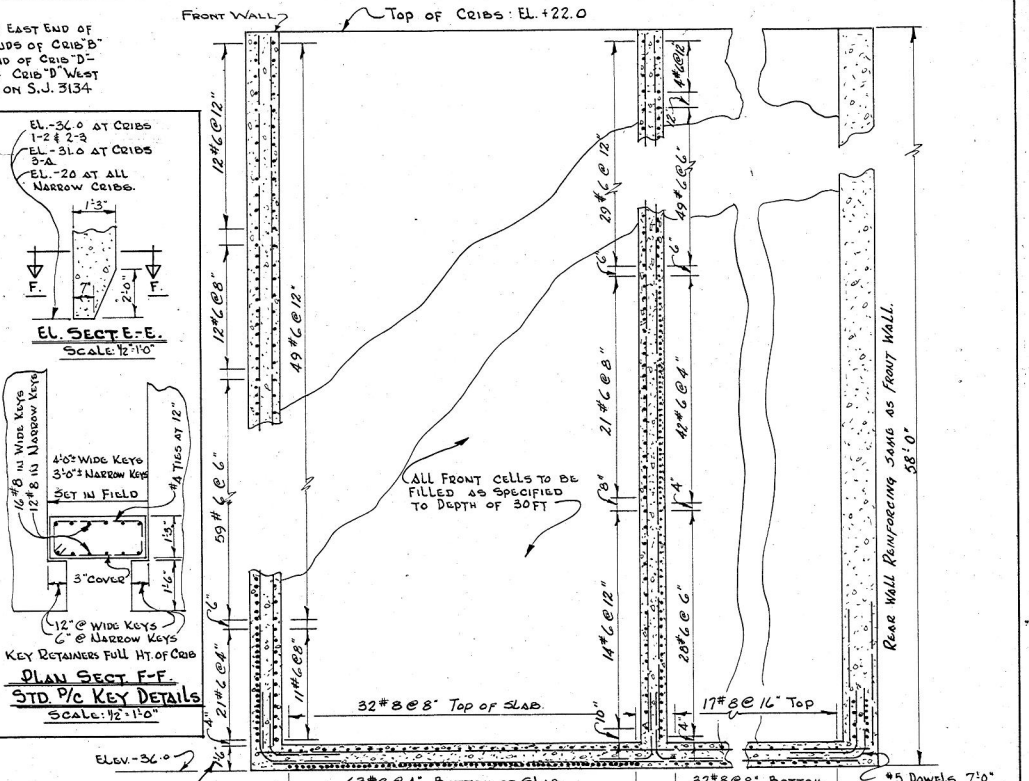
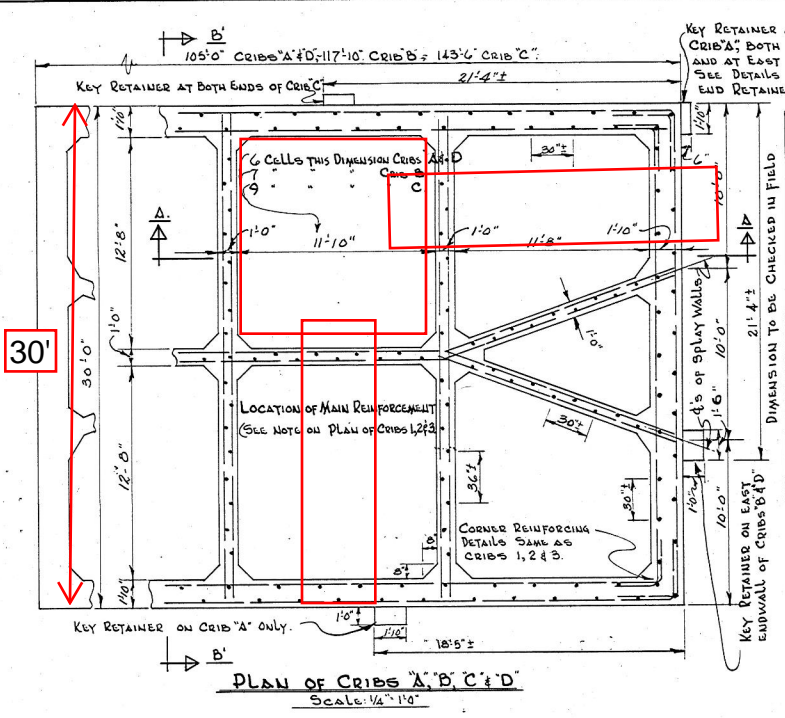
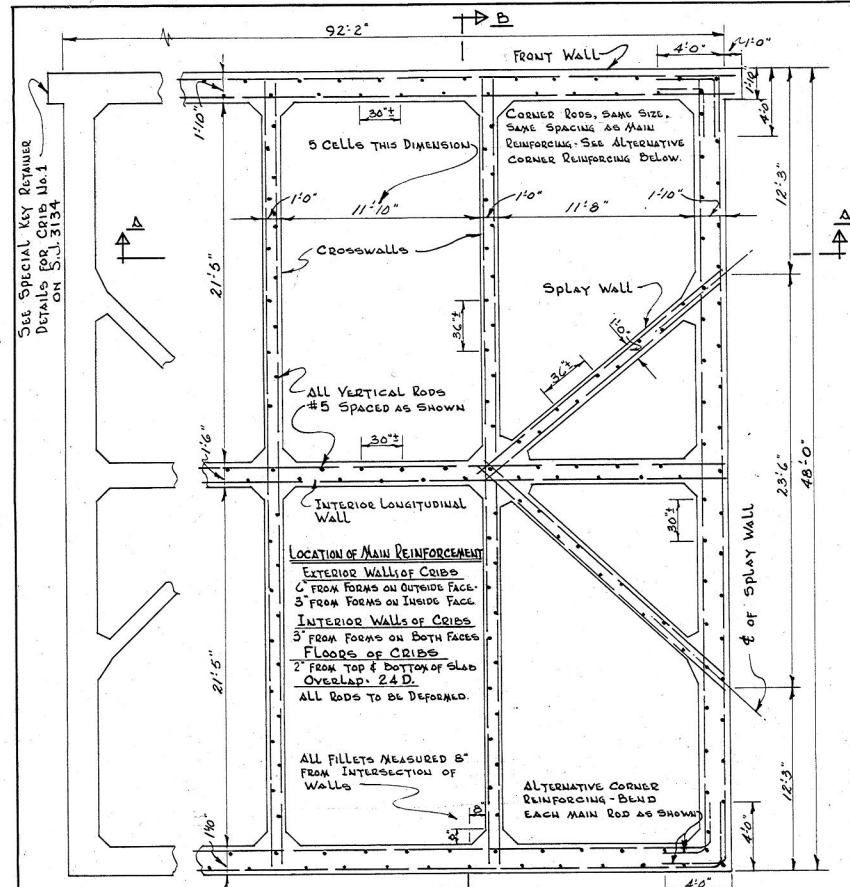


DETAILS OF TIMBER CRIBS TO BE REMOVED

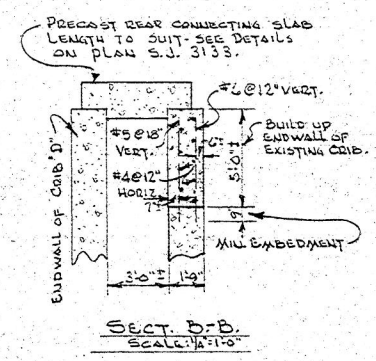
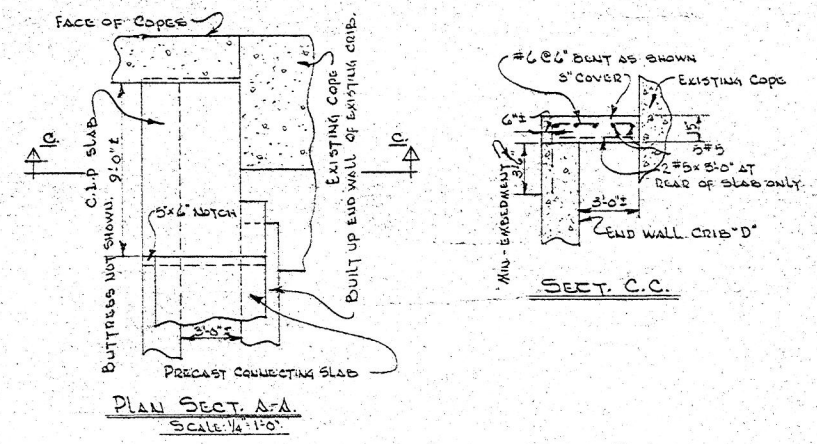
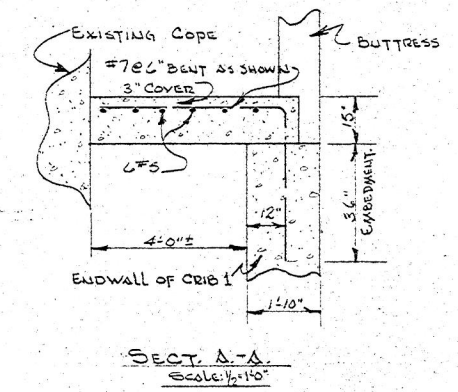
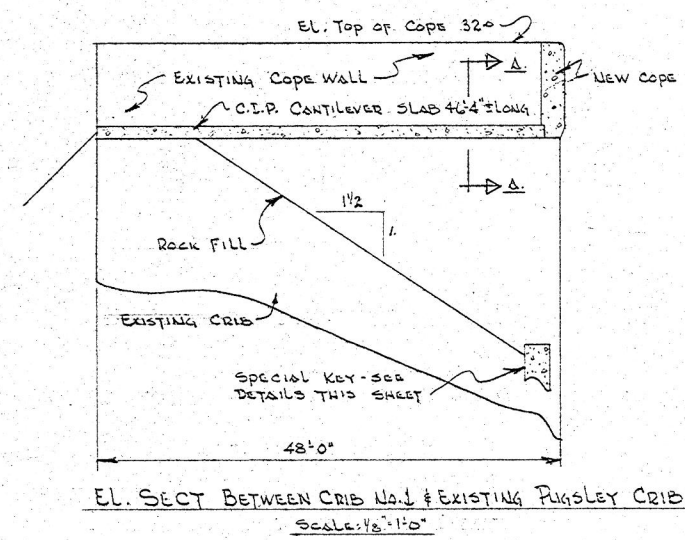
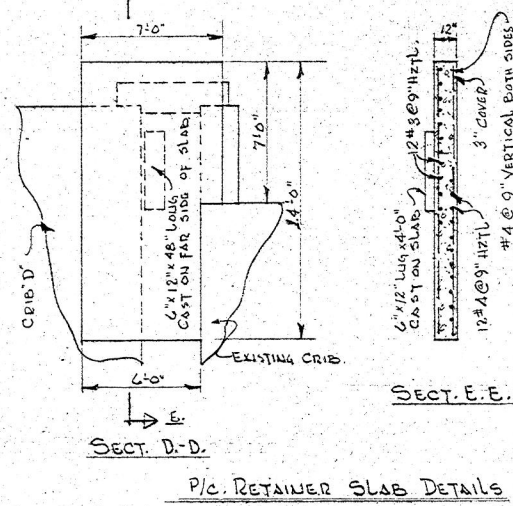
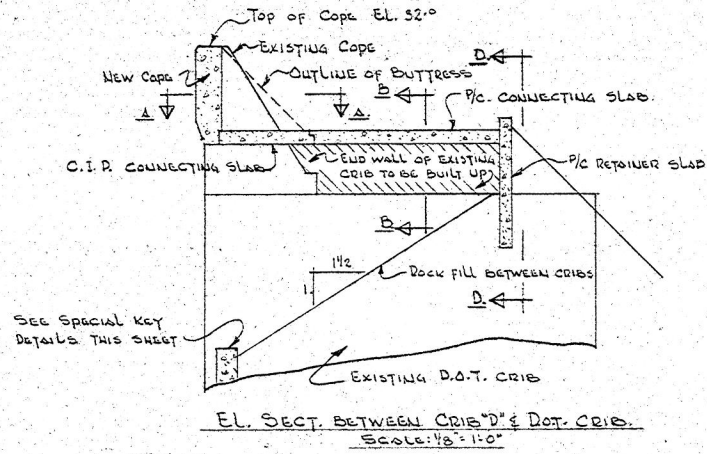


NATIONAL HARBOUR BOARD
EXTENSION TO PUGSLEY TERMINAL WHARF
SAINT JOHN'S HARBOUR N.B.
PLAN OF EXISTING CONDITIONS AND DETAILS OF TIMBER CRIB RETAINING WALL.
SCALE: AS SHOWN
DESIGNED BY: R.L. & H.B.K.
DRAWN BY: C.A.W.
CHECKED BY: C.W.S.
OTTAWA, ONT., APRIL 21, 1967
PLAN No: 53-5132
G-12-101

should be 8 bays in the crib

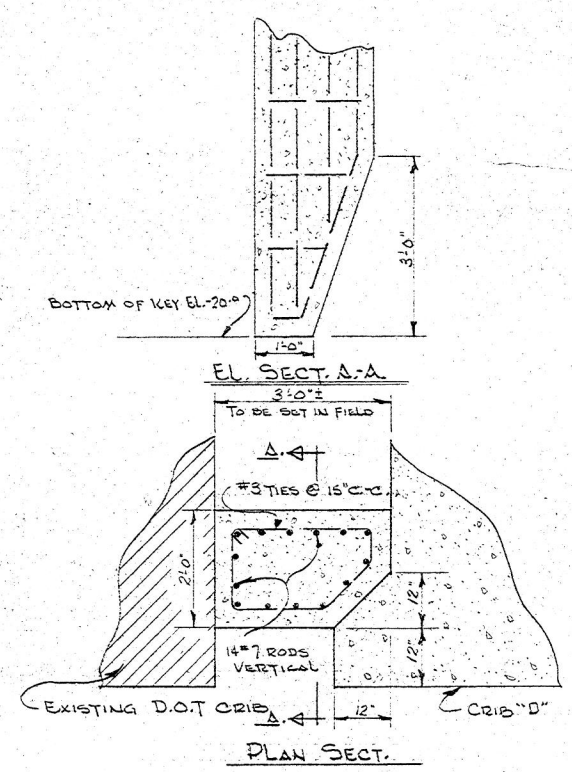
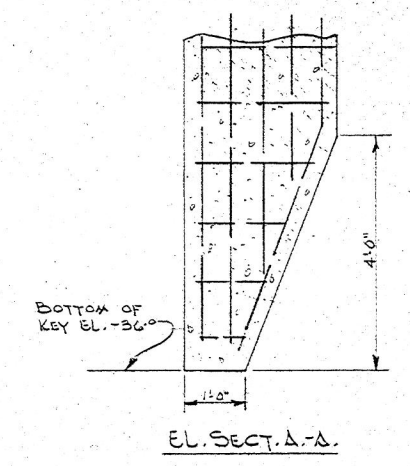


NATIONAL HARBOURS BOARD	
EXTENSION TO PUGSLEY TERMINAL WHARF	
SAINT JOHN N.B.	
DETAILS OF CONCRETE CRIBS, COPE WALL, COVER SLAB & CONNECTING SLAB	
SCALE: AS SHOWN	DESIGN BY: F.E.L. & H.E.M.
DRAWN BY: F.E.L.	CHECKED BY: C.A.W.
OTTAWA, ONT., APRIL 11, 1967	PLAN No. S.J. 3135

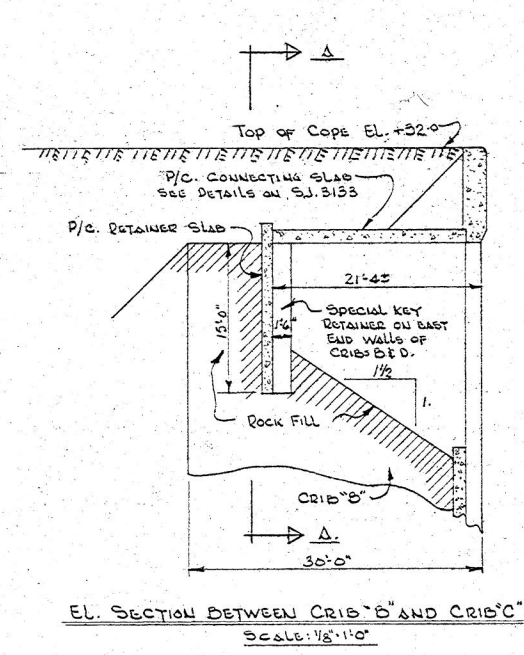


CONNECTION DETAILS - CRIB No. 1 TO EXISTING PUGSLEY CRIB.

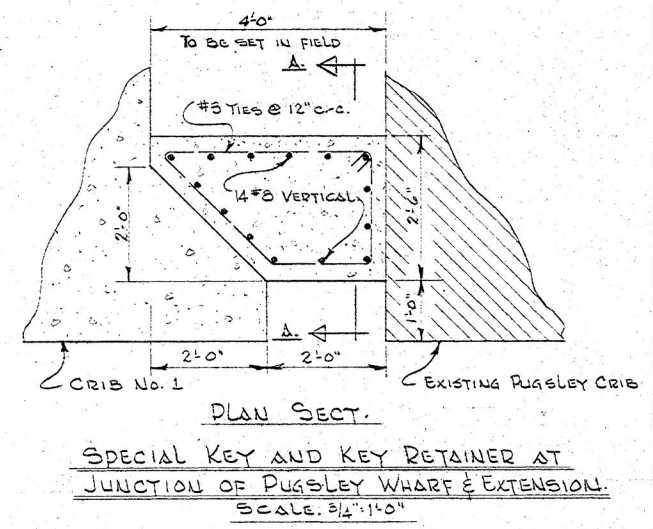
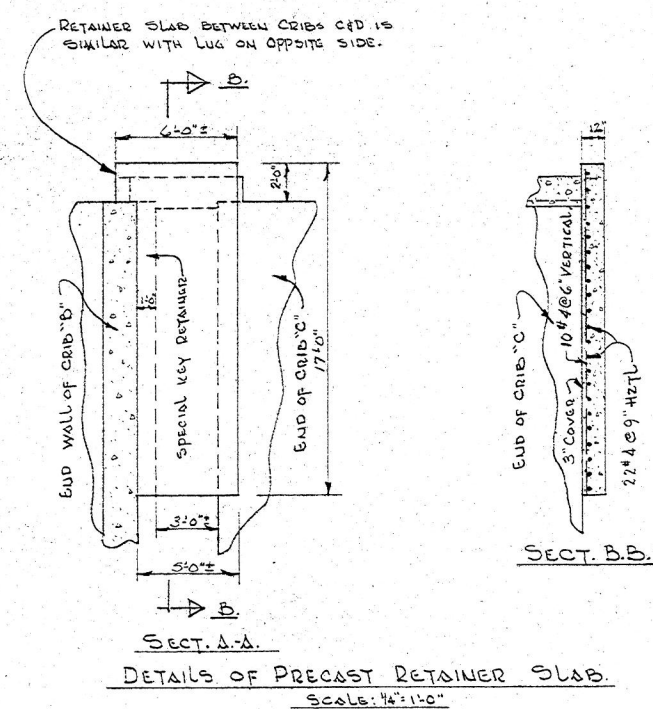
CONNECTION DETAILS CRIB 'D' TO D.O.T. CRIB.

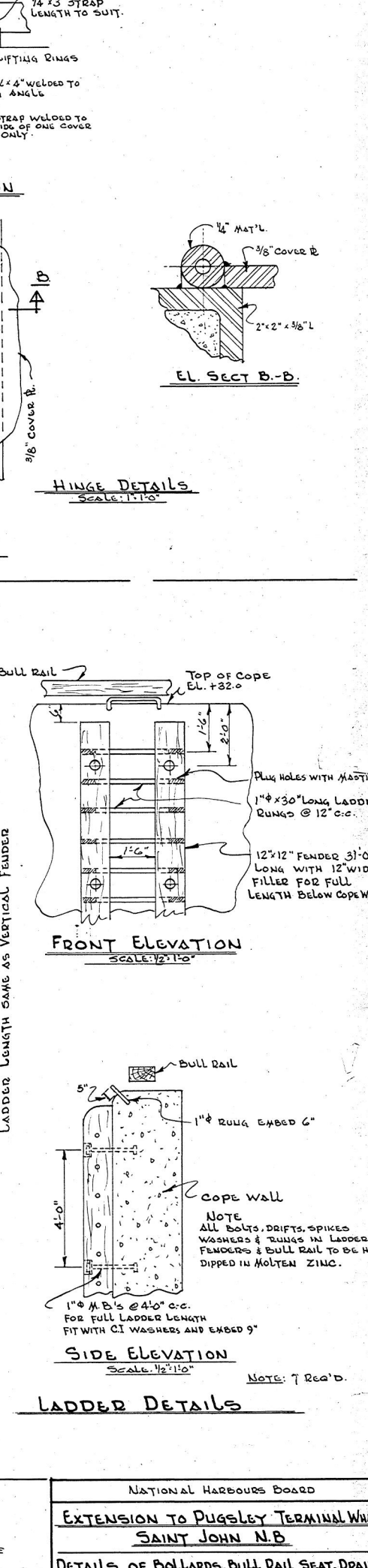
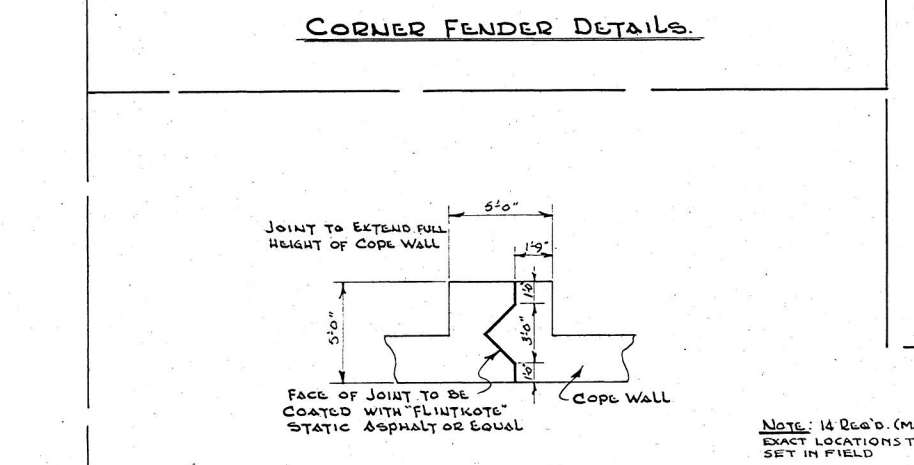
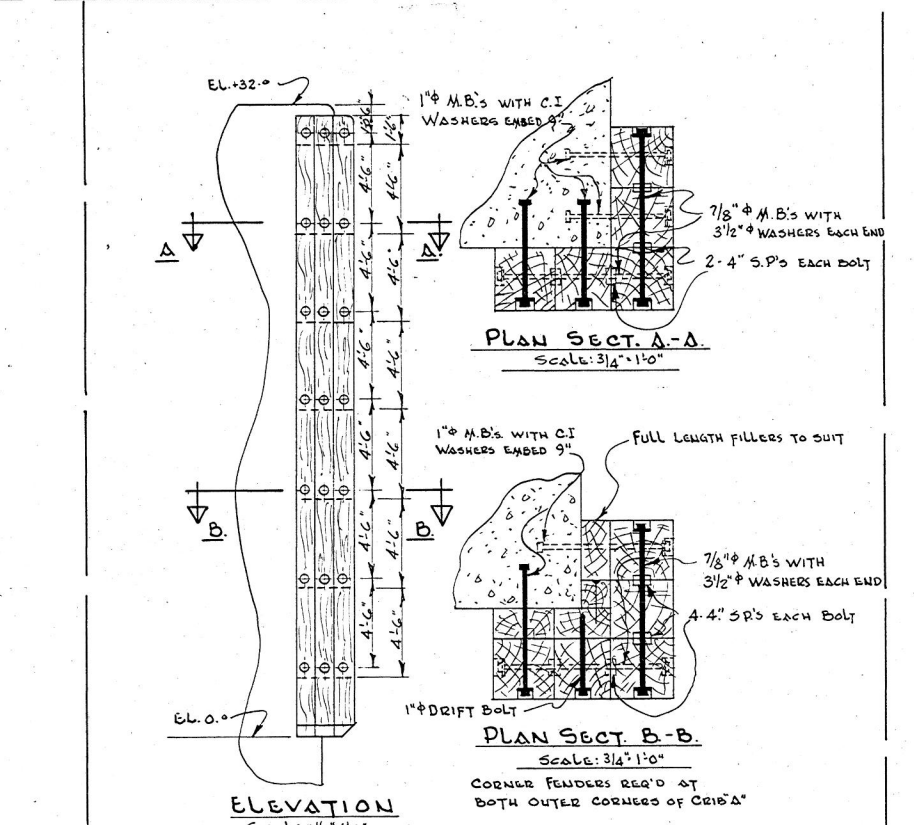
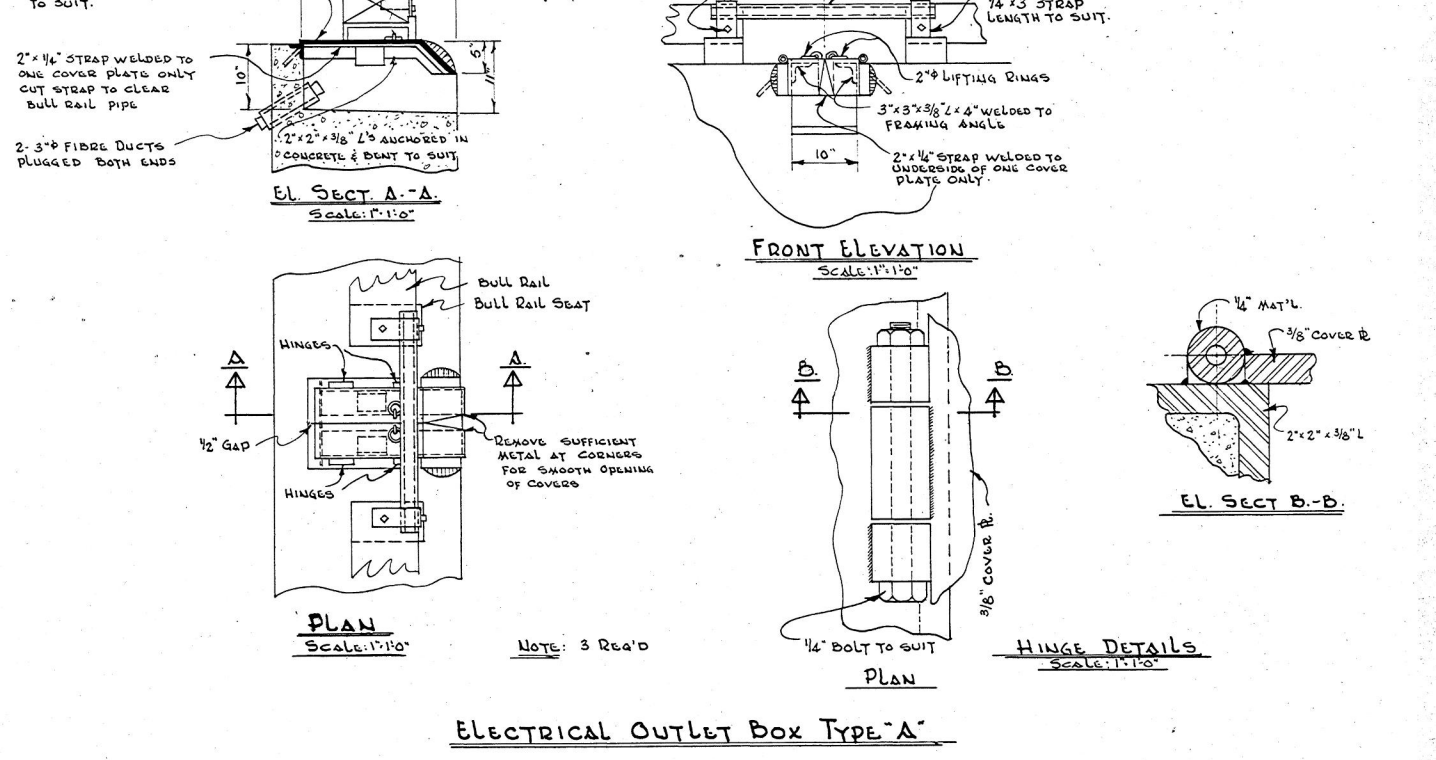
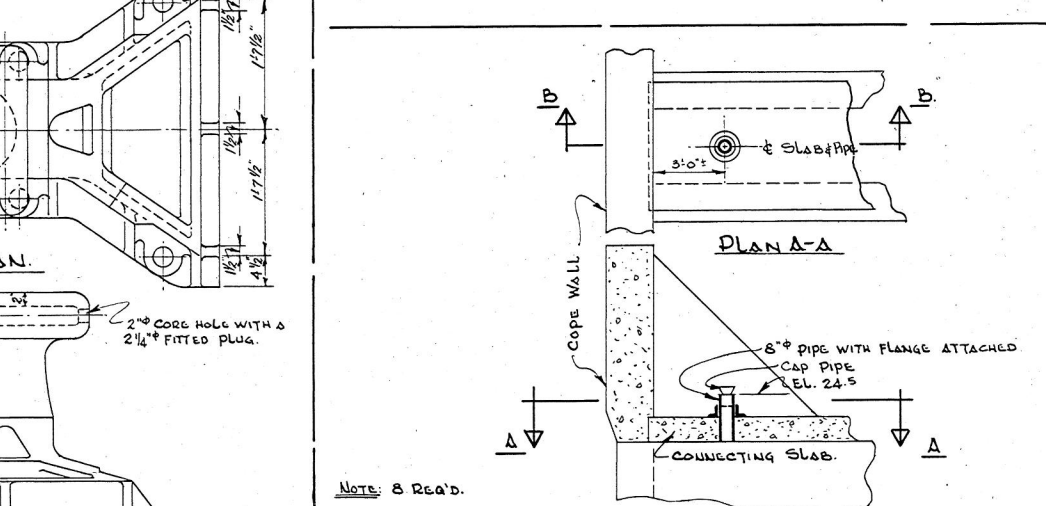
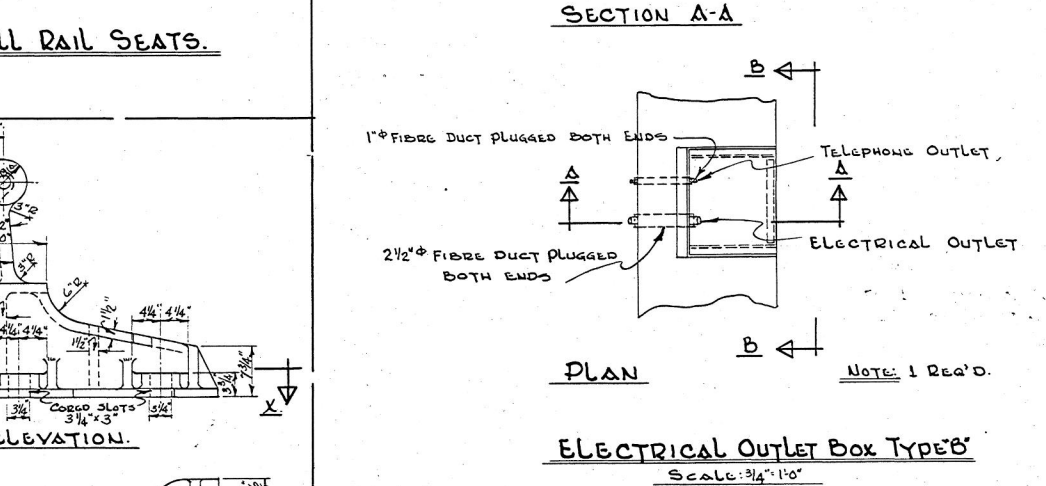
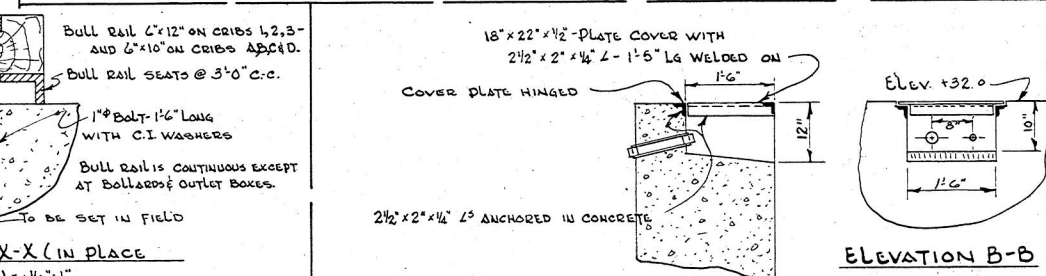
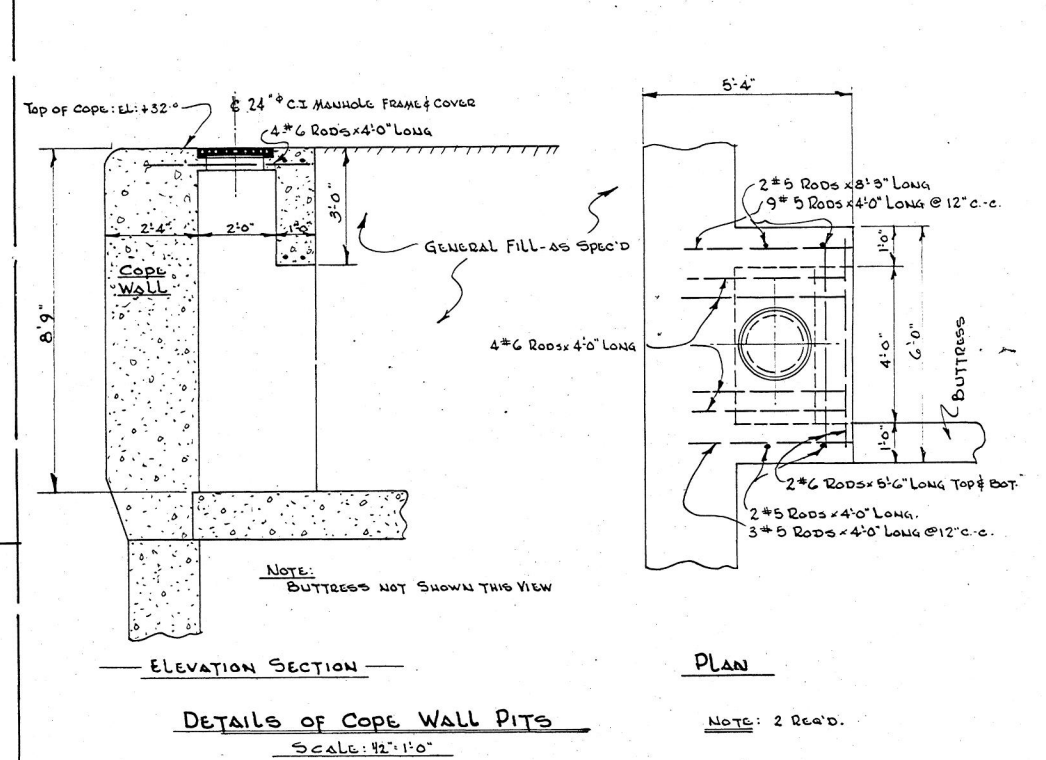
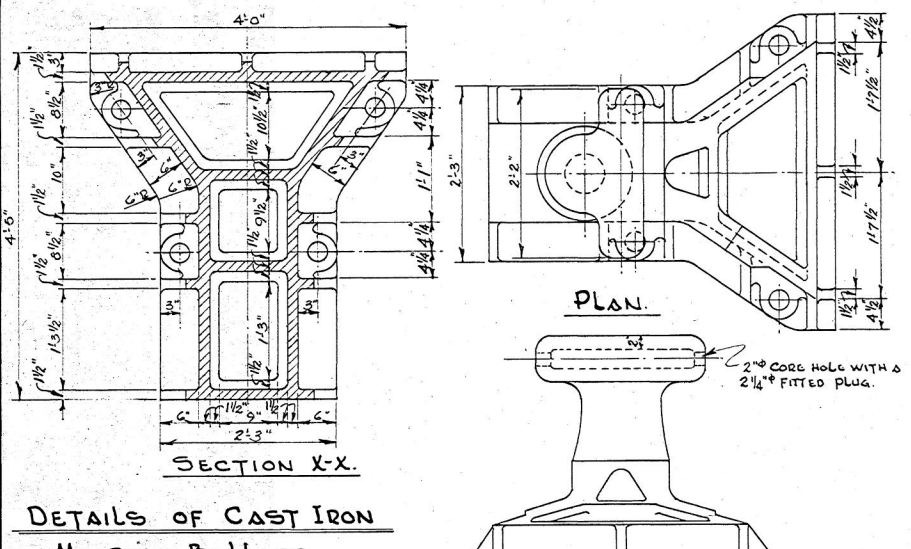
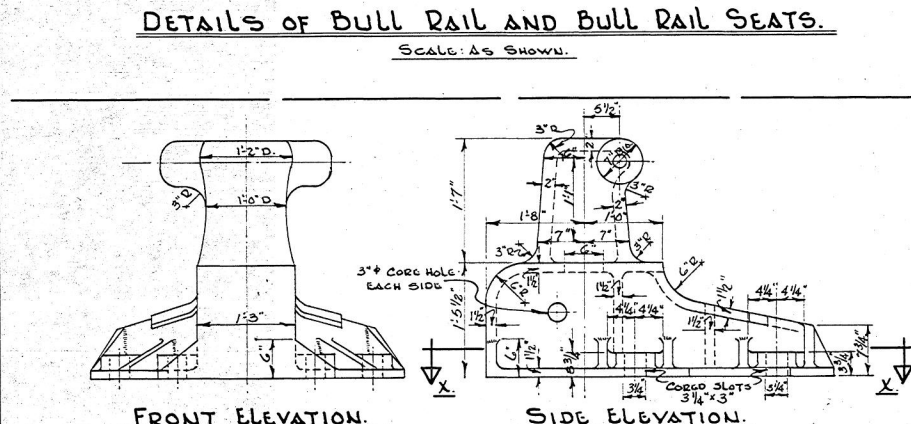
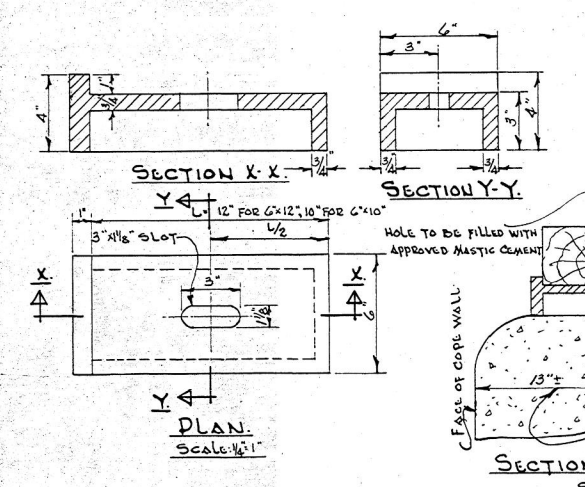
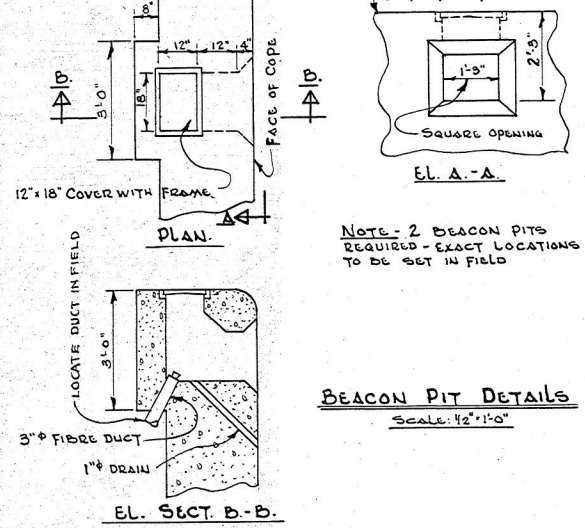


SPECIAL KEY AND KEY RETAINED AT JUNCTION OF D.O.T. WHARF AND PUGSLEY EXTENSION
Scale: 3/4" = 1'-0"

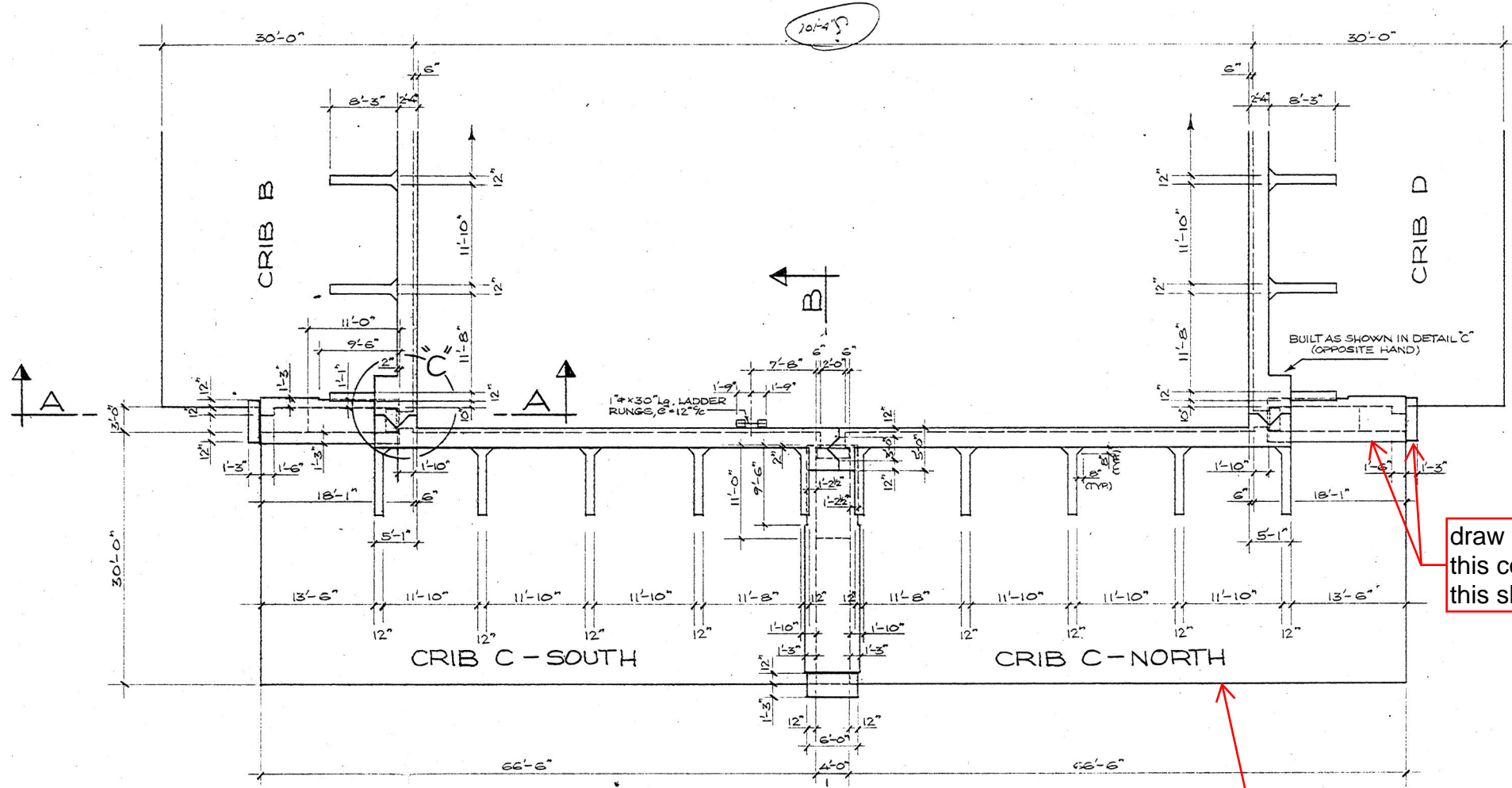


TYPICAL DETAILS OF CONNECTION OF CRIB 'C' TO CRIBS 'B' & 'D'





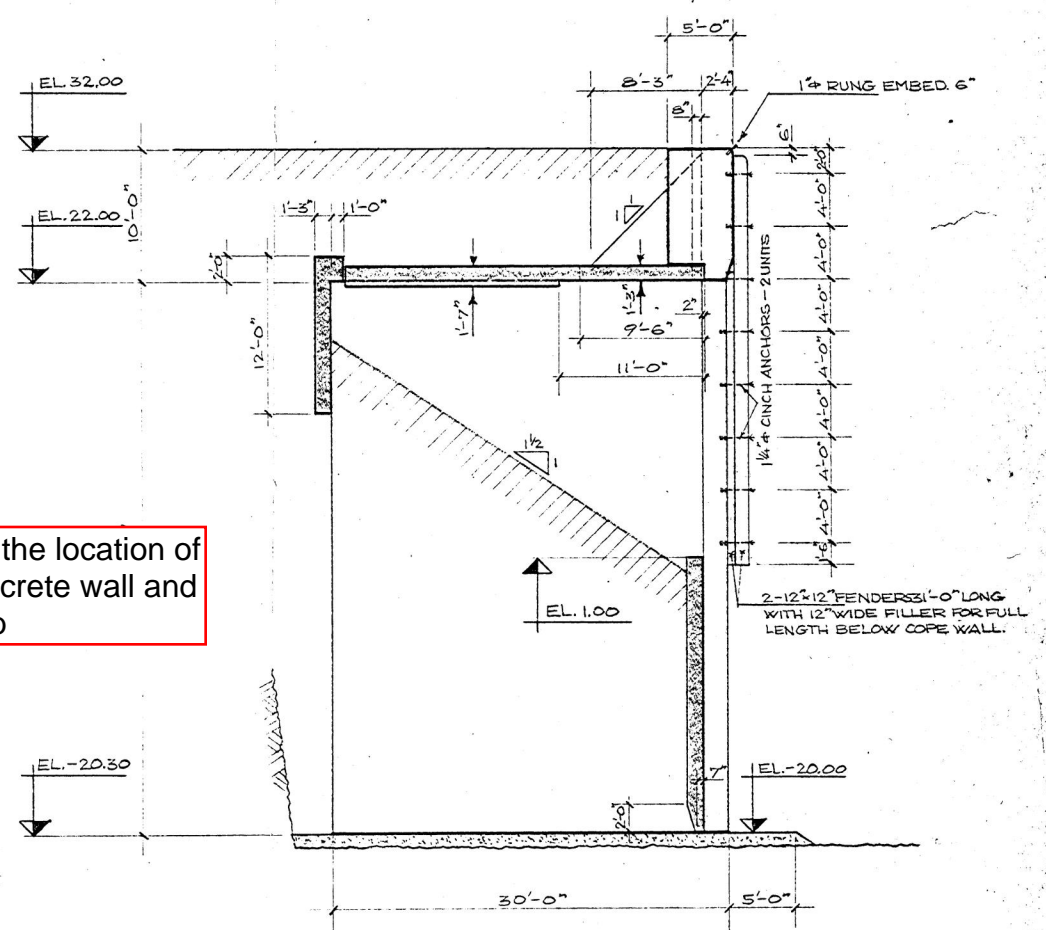
NATIONAL HARBOURS BOARD
EXTENSION TO PUGSLEY TERMINAL WHARF SAINT JOHN N.B.
DETAILS OF BOLLARDS, BULL RAIL SEAT, DRAINS EXPANSION, LADDER & COPE WALL PITS



PLAN SCALE = 1" = 10'-0"
WALLS & POCKETS AS PER ORIGINAL DESIGN

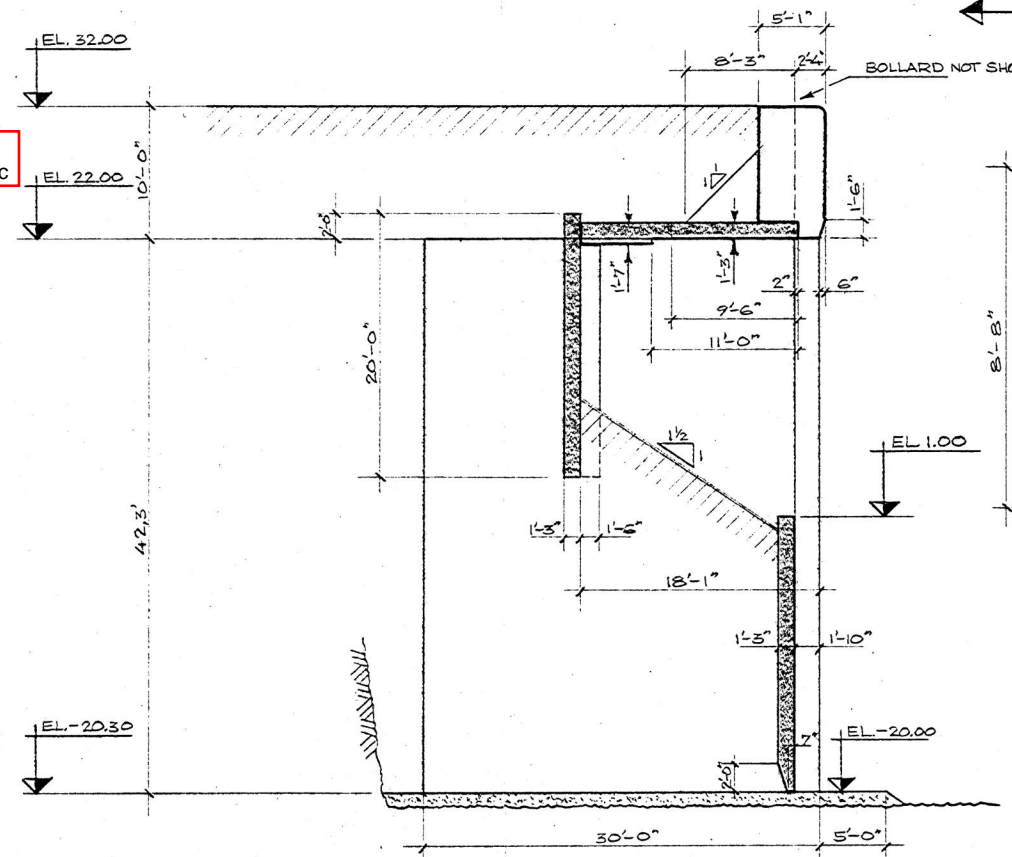
draw in the location of this concrete wall and this slab

draw in only the outline of this crib

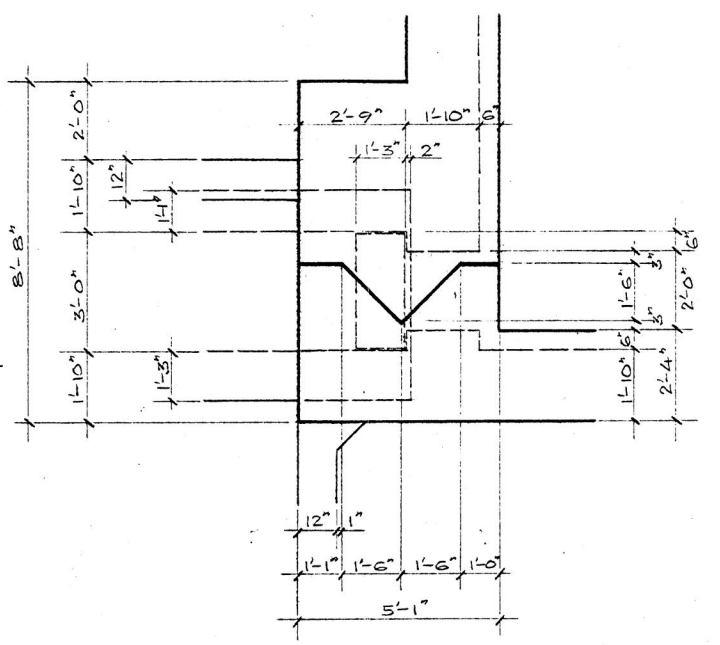


SECTION B-B SCALE = 1/8" = 1'-0"

+6.706 datum
+2.52 goegetic



SECTION A-A SCALE = 1/8" = 1'-0"



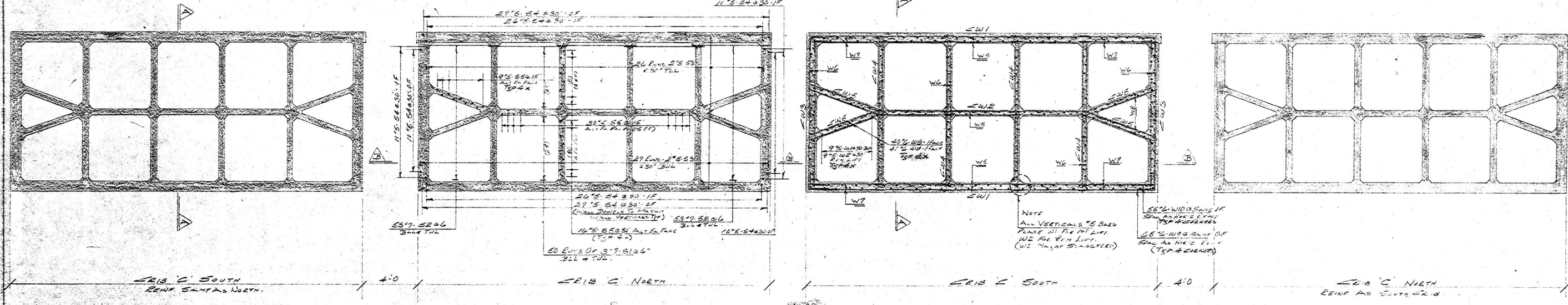
DETAIL "C" SCALE = 1/8" = 1'-0"

National Harbours Board
Approved
19-1-68

REFERENCE DWGS - NATIONAL HARBOURS BOARD SJ-3131 TO SJ-3135 INCL.

REVISIONS			THE FOUNDATION COMPANY OF CANADA LIMITED
MARK	DATE	DESCRIPTION	
			NATIONAL HARBOURS BOARD EXTENSION TO FUGSLEY TERMINAL WHARF PROPOSED RE-ARRANGEMENT OF CRIB "C"
			DATE JAN. 2/68 SCALE AS SHOWN
			MADE BY [signature] CHECKED BY [signature] APPROVED BY [signature]
			No. 111-V-465-T3

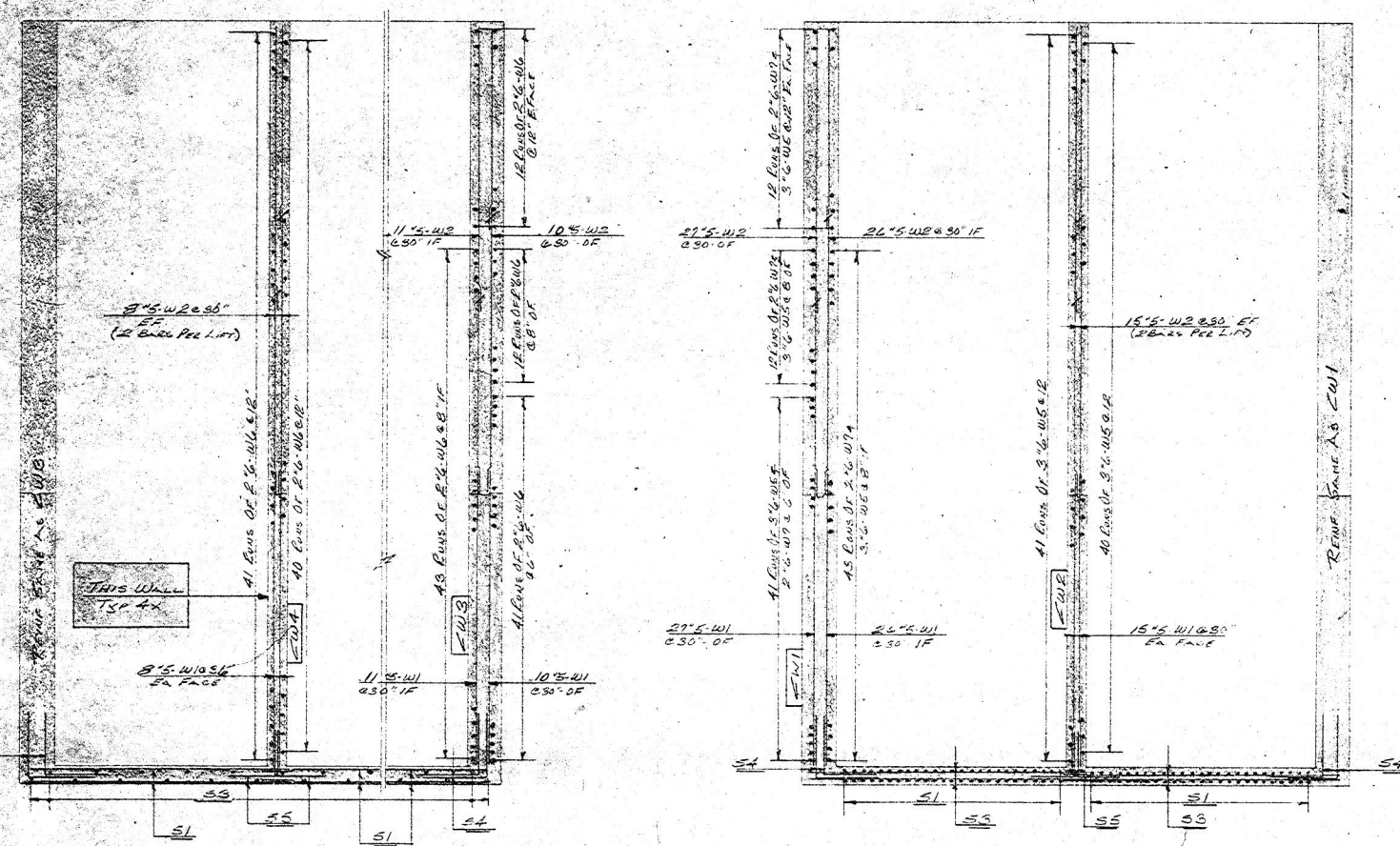
OWNER	NO. 4	DATE	12.7.68
CLIENT	3/1	PROJ.	12.7.68
CLIENT	4/4	FOR CONSTR.	12.7.68



PLAN OF CRIB C SOUTH
CRIB C NORTH
PLAN OF CRIB C SOUTH
CRIB C NORTH

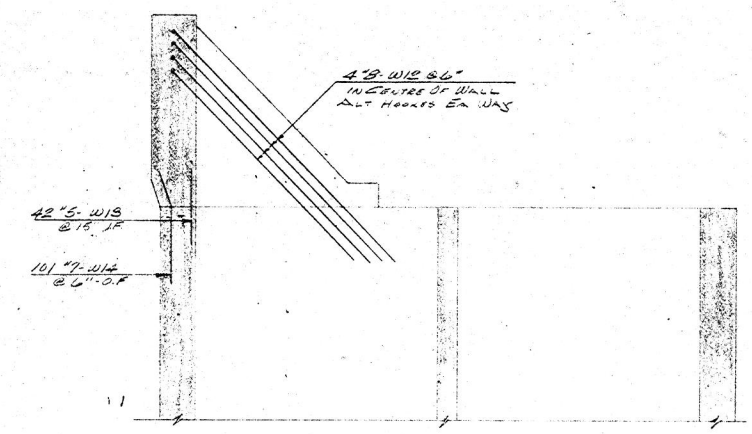
PLAN OF HOLES & VERT. REIN. OF WALLS

Note
ALL VERTICALS *S BARS
PLACE IN PERMITTED
WD PER VERT. LIST.
(WE *INSTR. 5-10-67)

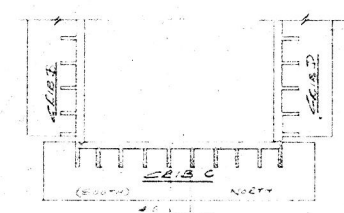


SECTION B-B
1/2\"/>

SECTION A-A
1/2\"/>



ELEVATION OF CORNER WALL BUTTRESS
10 LEGS
E.P.L. SECTION
1/2\"/>



KEY PLAN

ABBREVIATIONS	
CJ	CONSTRUCTION JOINT
EJ	EXPANSION JOINT
BM	BEAM
BT	BENT BAR
STR	STIRRUP
TE	TEMPERATURE BARS
SP	SPIRAL
SB	SUPPORT BAR
UL	UPPER LAYER
LL	LOWER LAYER
ES	EACH SIDE
EW	EACH WAY
EF	EACH FACE
EE	EACH END
IF	INSIDE FACE
OF	OUTSIDE FACE
FF	FAR FACE
NF	NEAR FACE
B	BOTTOM
T	TOP

ABBREVIATIONS

R.D. CRIB C
D.4 20\"/>

SL 9133-4 STEEL DUGS

REFERENCE DRAWINGS

ONTARIO ESTIMATING AND DETAILING LTD.
TORONTO ONTARIO

EXTENSION TO PUGGLES TERMINAL WHARF
SAINT JOHN NEW BRUNSWICK

ARCHITECT:

ENGINEER NATIONAL HARBOUR BOARD

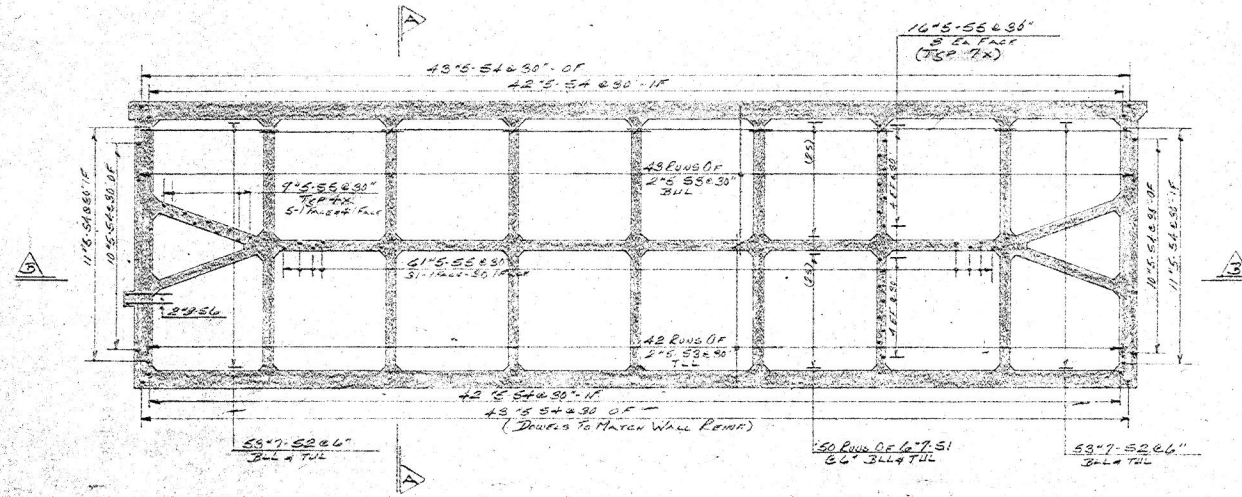
CONTRACTOR FOUNDATION CO. OF CANADA

CLIENT: C.H. STEEL SERVICES

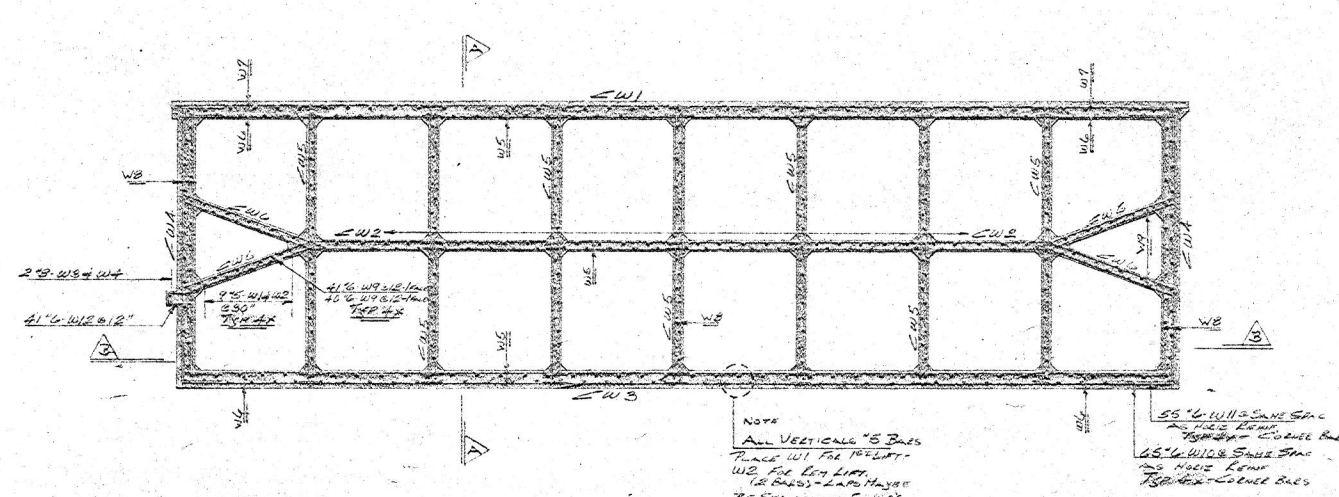
REINFORCING DETAILS:
CRIB C

OWNER: JAMES CHED. LTD. DATE: 25 July 68
SCALE: AS SHOWN JOB NO. 68-150
REP. LISTS: 120 DWS NO. 27

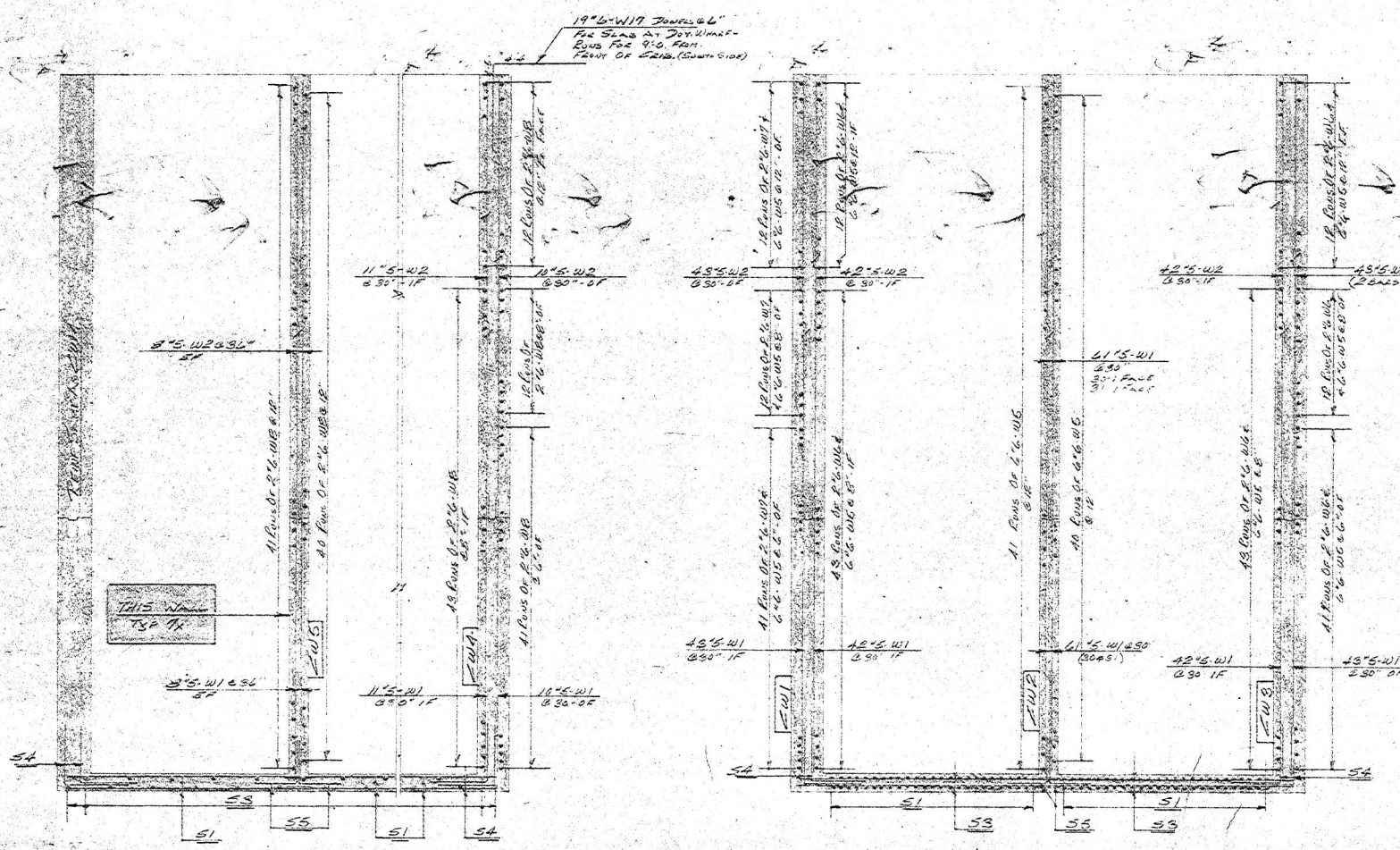
NO.	REV.	BY	DATE	DESCRIPTION
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				



PLAN OF SLAB
1/4"=1'-0"

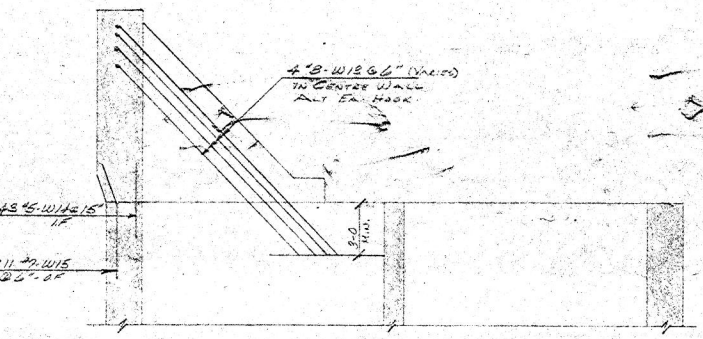


PLAN OF HOIST & FEET WALL REINF
1/4"=1'-0"

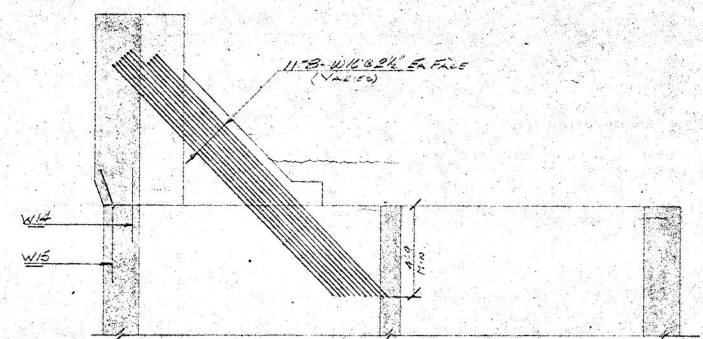


SECTION B-B
1/4"=1'-0"

SECTION A-A
1/4"=1'-0"



COPING WALL BUTTRESSES
1/4"=1'-0"



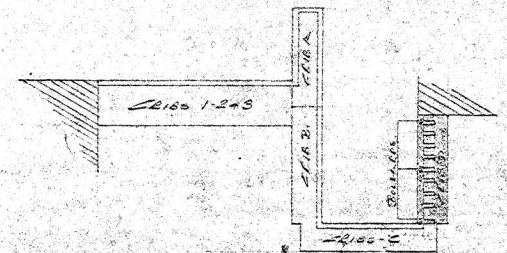
COPING WALL BUTTRESSES AT BOLLARDS
1/4"=1'-0"

CJ	CONSTRUCTION JOINT	EJ	EXPANSION JOINT
BM	BEAM	BT	BENT BAR
STR	STIRRUP	TE	TEMPERATURE BARS
SP	SPIRAL	SB	SUPPORT BAR
UL	UPPER LAYER	LL	LOWER LAYER
ES	EACH SIDE	EW	EACH WAY
EP	EACH FACE	EE	EACH END
IF	INSIDE FACE	OF	OUTSIDE FACE
FF	FAR FACE	NF	NEAR FACE
B	BOTTOM	T	TOP

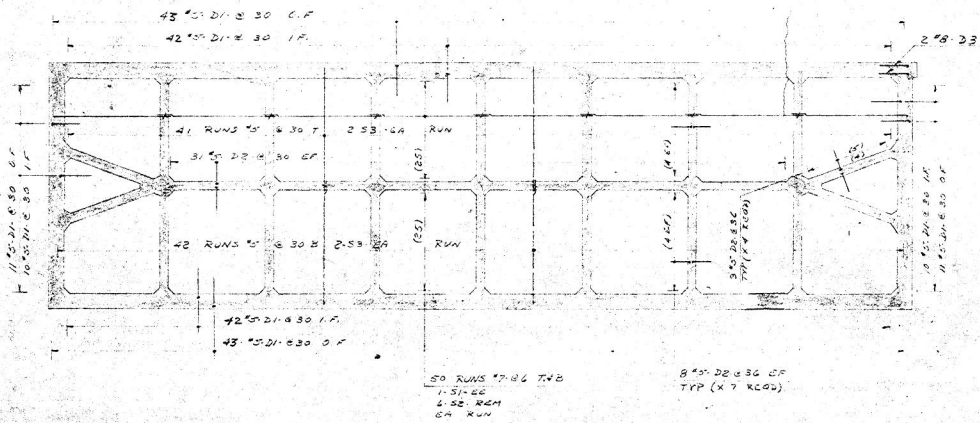
ABBREVIATIONS
 R3 CB16" C
 R5 CB18" X

REFERENCE DRAWINGS
 S1038 STREET WALL

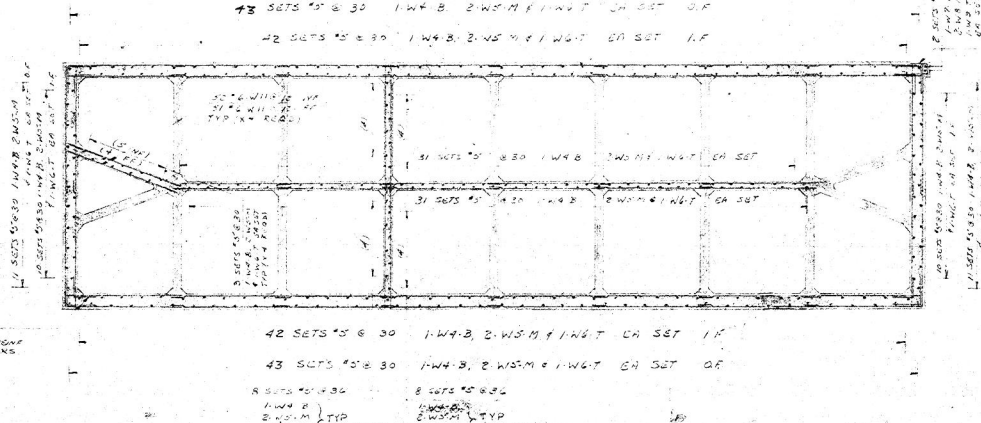
ONTARIO ESTIMATING AND DETAILING LTD. ONTARIO
 EXTENSION TO PUGLIS' TERMINAL WHARF
 SAINT JOHN'S NEW BRUNSWICK
 ARCHITECT:
 ENGINEER: NATIONAL HARBOUR BOARD
 CONTRACTOR: FOUNDATION CO. OF CANADA
 CLIENT: *[Signature]*
 REINFORCING DETAILS: *[Signature]*
 DATE: 12/20/50



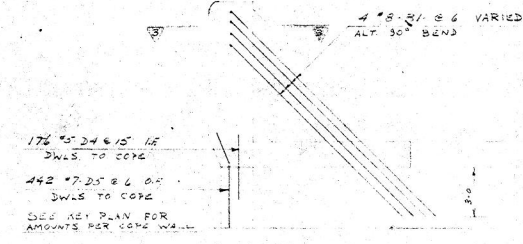
REVISIONS AND DISTRIBUTION			
NO.	SENT TO	BY	DATE
1	CLIENT	2	FOR APPRVL
2	CLIENT	2	FOR APPRVL
3	CLIENT	2	FOR APPRVL
4	CLIENT	2	FOR APPRVL
5	CLIENT	2	FOR APPRVL



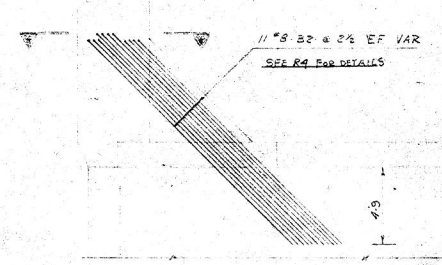
BOTTOM SLAB PLAN
4-10



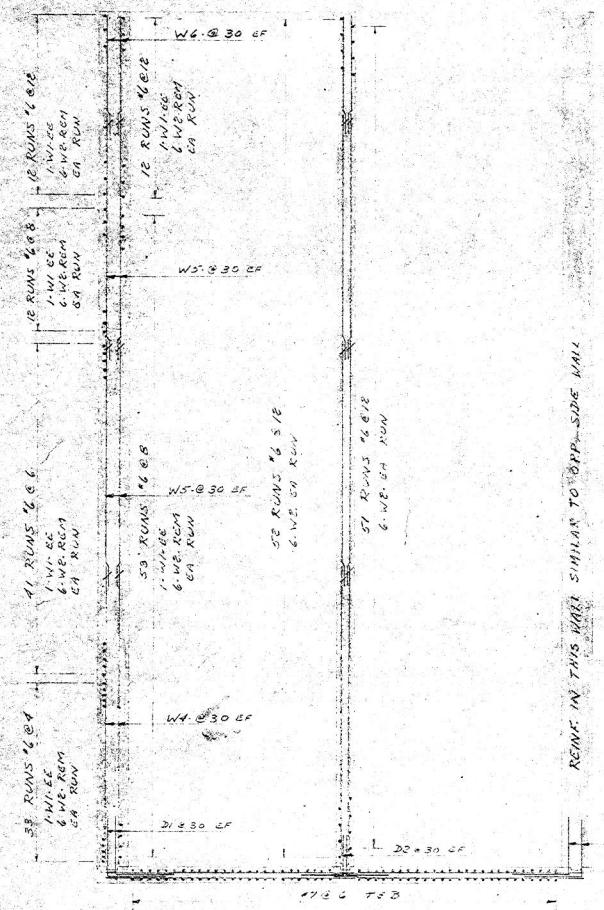
SECT. WALL PLAN
4-10



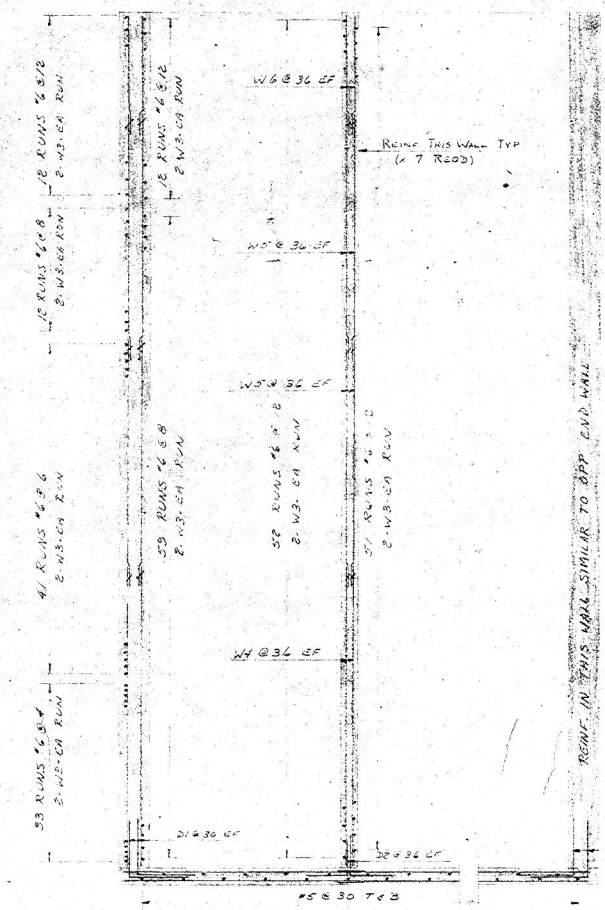
TYPICAL BUTTRESS
(X 12 REQS)
4-10



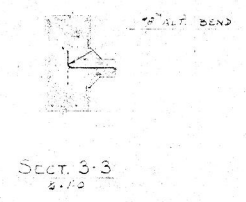
BUTTRESS AT DOLLARDS
(X 3 REQS)
4-10



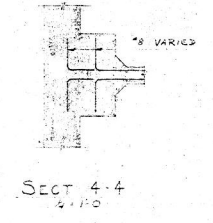
SECTION 1-1
4-10



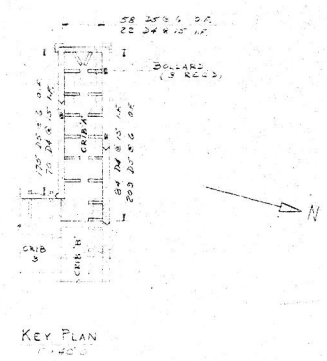
SECTION 2-2
4-10



SECT. 3-3
4-10



SECT. 4-4
4-10



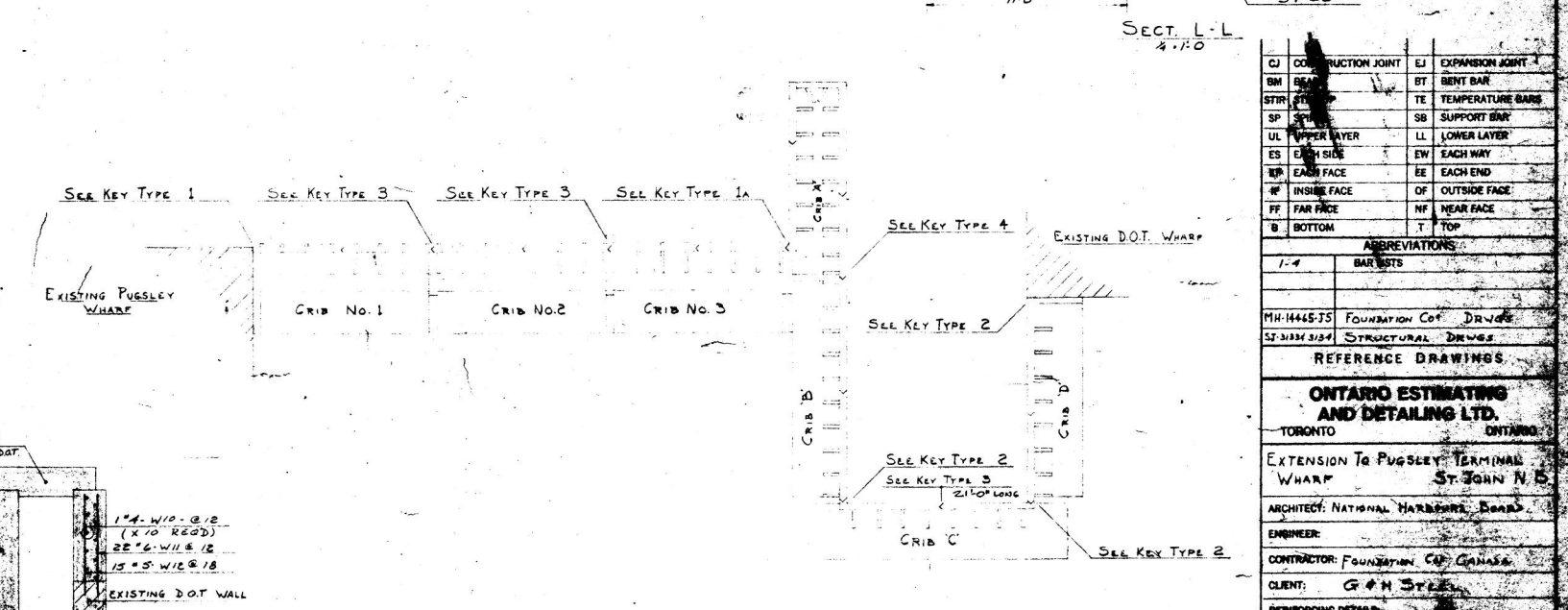
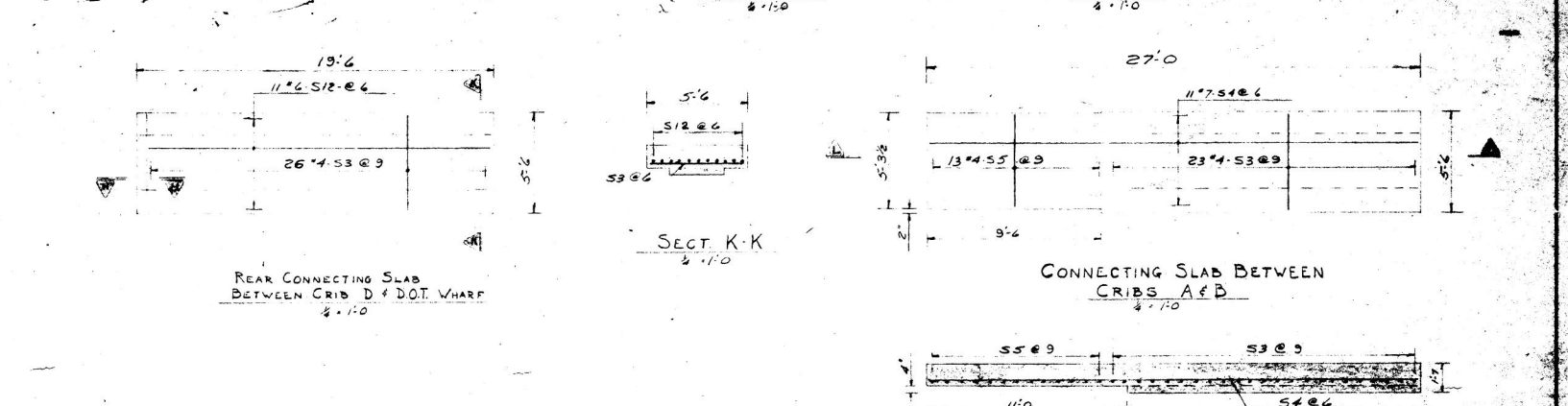
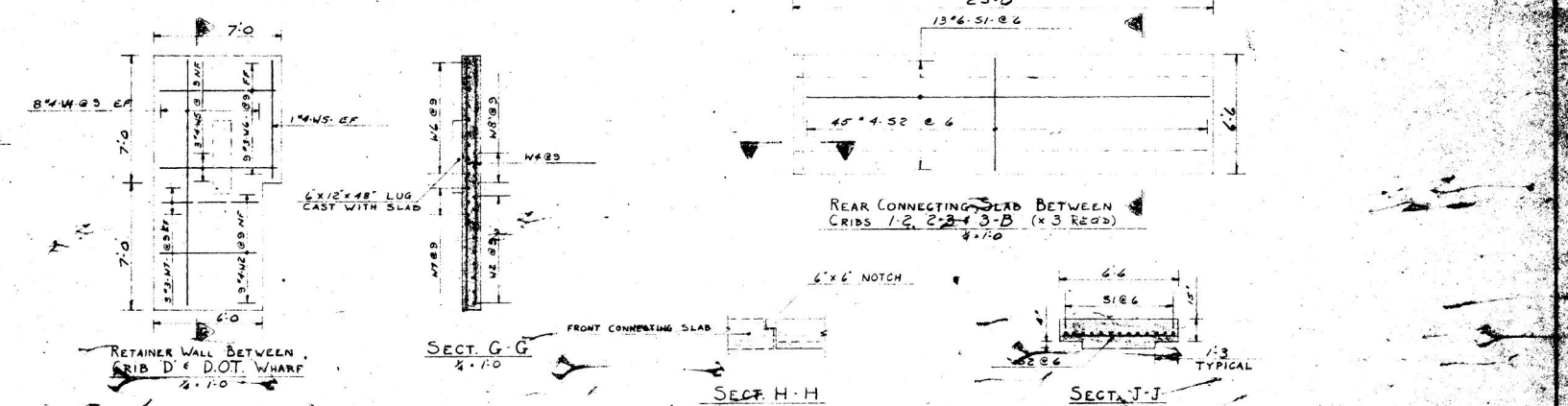
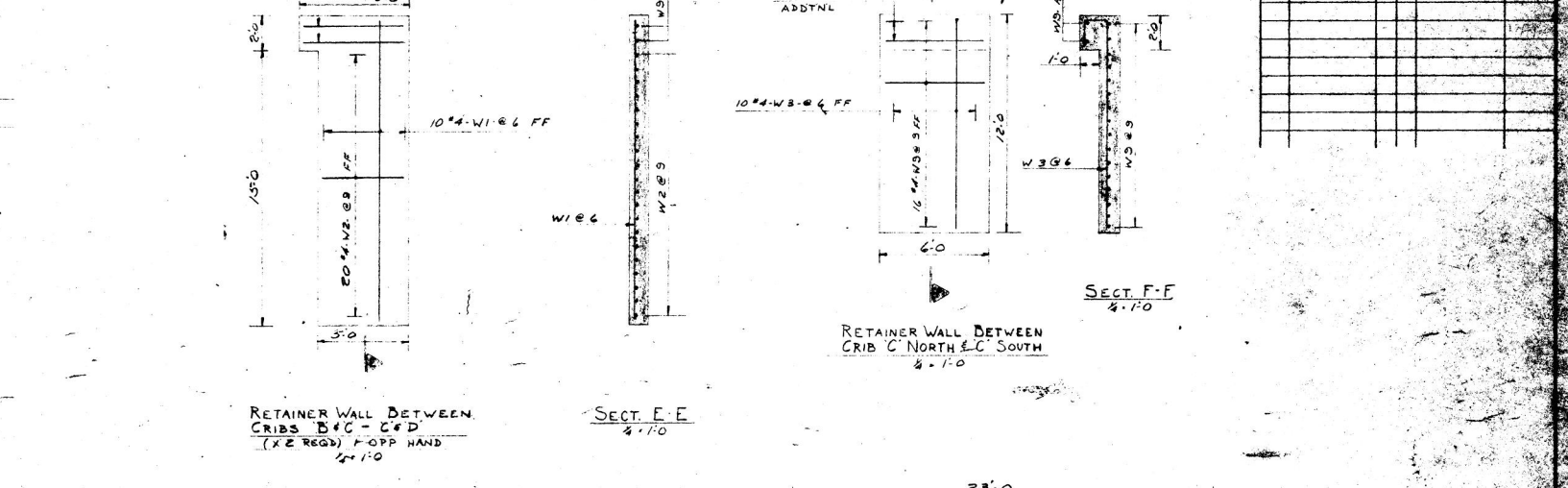
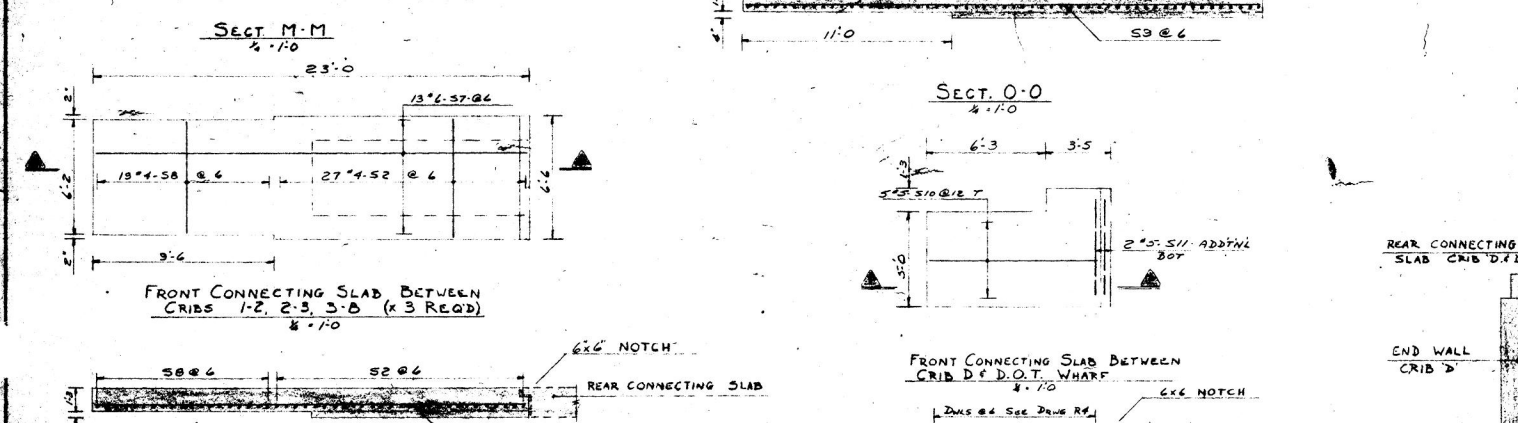
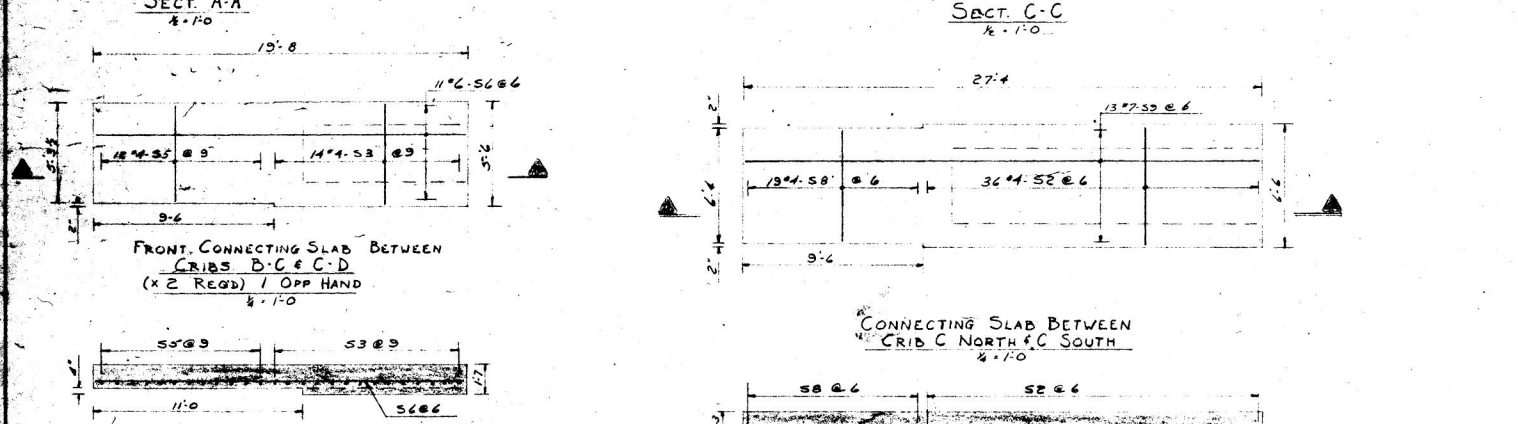
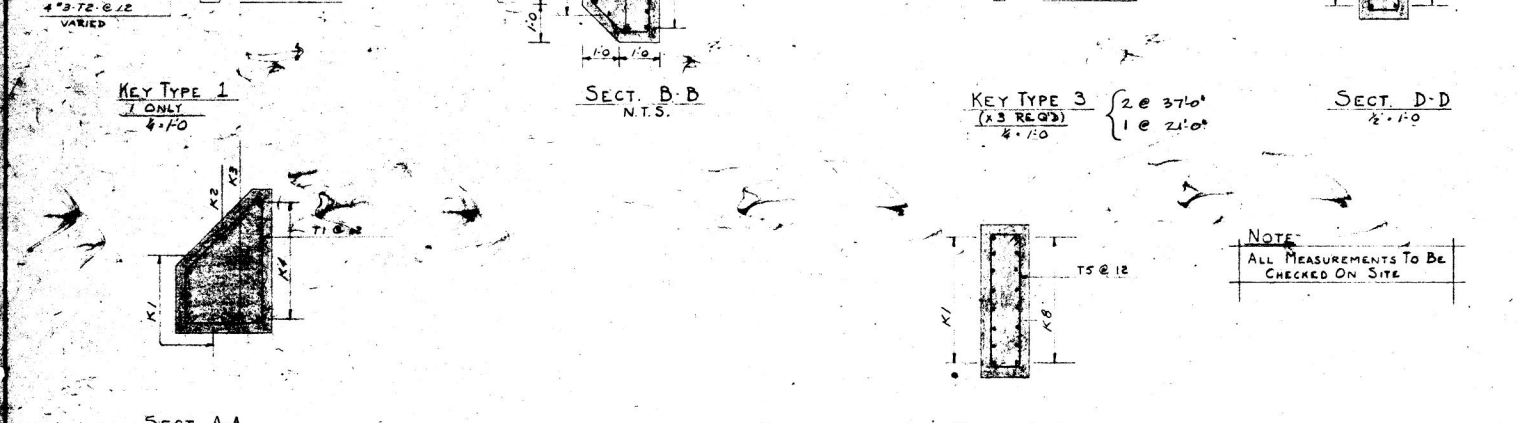
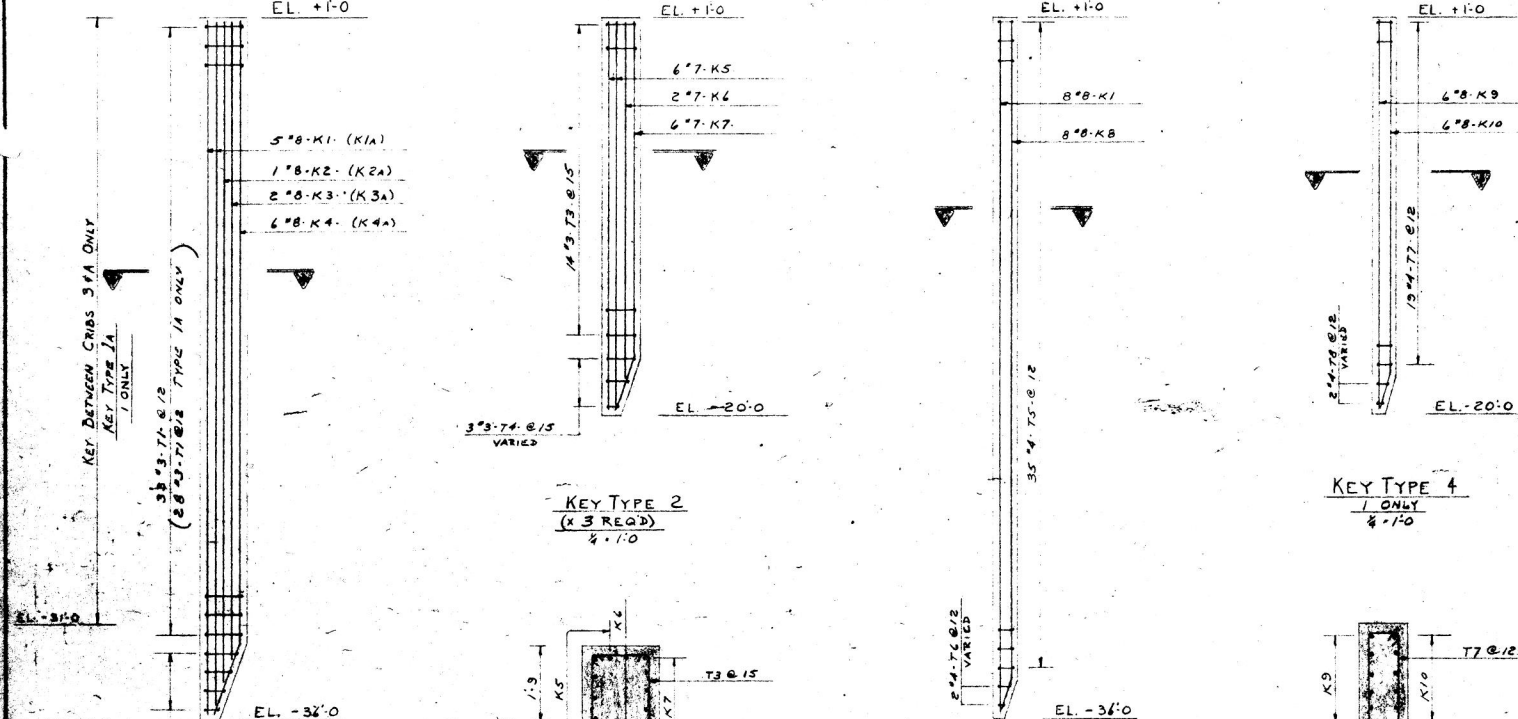
KEY PLAN
4-10

ABBREVIATIONS	
CJ	CONSTRUCTION JOINT
BM	BEAM
STR	STIRRUP
SP	SPIRAL
UL	UPPER LAYER
ES	EACH SIDE
EF	EACH FACE
IF	INSIDE FACE
FF	FAR FACE
B	BOTTOM
EJ	EXPANSION JOINT
BT	BENT BAR
TE	TEMPERATURE BARS
SB	SUPPORT BAR
LL	LOWER LAYER
EW	EACH WAY
EE	EACH END
OF	OUTSIDE FACE
NF	NEAR FACE
T	TOP

REFERENCE DRAWINGS	
ONTARIO ESTIMATING AND DETAILING LTD.	TORONTO
EXTENSION TO PUGSLEY TERMINAL WHARF ST. JOHN, N.B.	ONTARIO
ARCHITECT: NATIONAL HARBOURS BOARD	
ENGINEER:	
CONTRACTOR: FOUNDATION CO. CANADA	
CLIENT: G & H STEEL	
REINFORCING DETAILS:	
SLAB & WALLS	
CRIB 'A'	

OWN: D.M.	CHKD: H.S.	DATE: 8-7-68
SCALE: 1/4" = 1'-0"	JOB NO: 68-150	
ELECTRONIC:	DATE: 8-7-68	
COMPUTATIONS:	CHKD: H.S.	
BY: G.M.C.		

CLIENT (M)	2	2	FOR APPROVAL	10. 1968



CJ	CONSTRUCTION JOINT	EJ	EXPANSION JOINT
BM	BENT BAR	BT	BENT BAR
STR	STEEL	TE	TEMPERATURE BARS
SP	SUPPORT BAR	SB	SUPPORT BAR
UL	UPPER LAYER	LL	LOWER LAYER
ES	EACH SIDE	EW	EACH WAY
EP	EACH FACE	EE	EACH END
IF	INSIDE FACE	OF	OUTSIDE FACE
FF	FAR FACE	NF	NEAR FACE
B	BOTTOM	T	TOP

1-4	BAR BISTS
MH-1445-JS	FOUNDATION CO. DRILLS
ST-3134-3134	STRUCTURAL DRILLS

REFERENCE DRAWINGS

ONTARIO ESTIMATING AND DETAILING LTD.
TORONTO ONTARIO

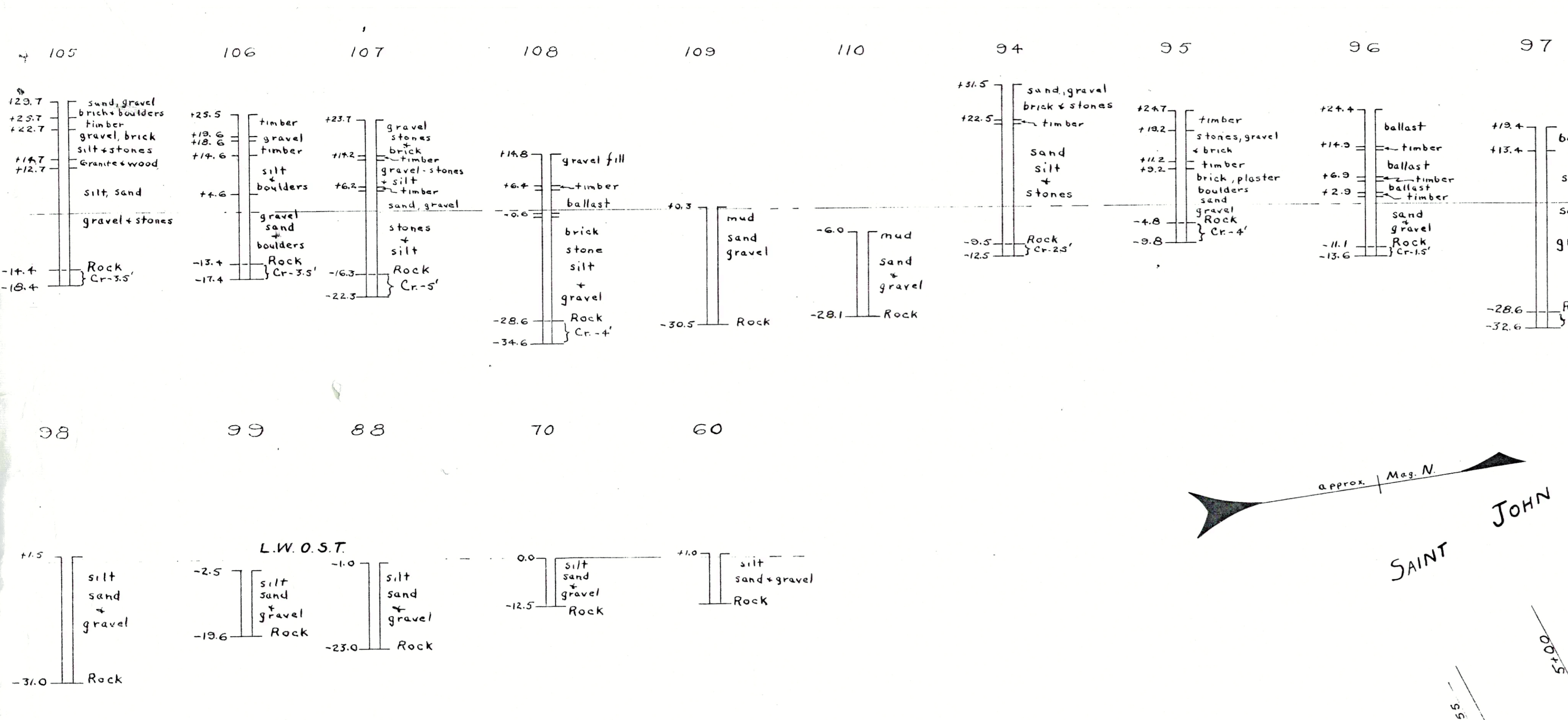
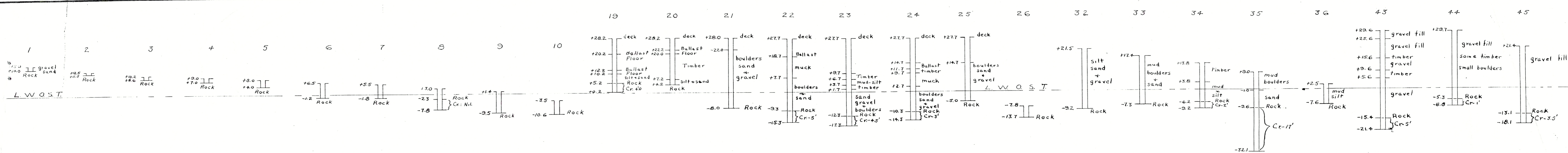
EXTENSION TO PUGSLEY TERMINAL WHARF ST. JOHN N. 5

ARCHITECT: NATIONAL HARBOUR BOARD
ENGINEER:
CONTRACTOR: FOUNDATION CO. CANADA

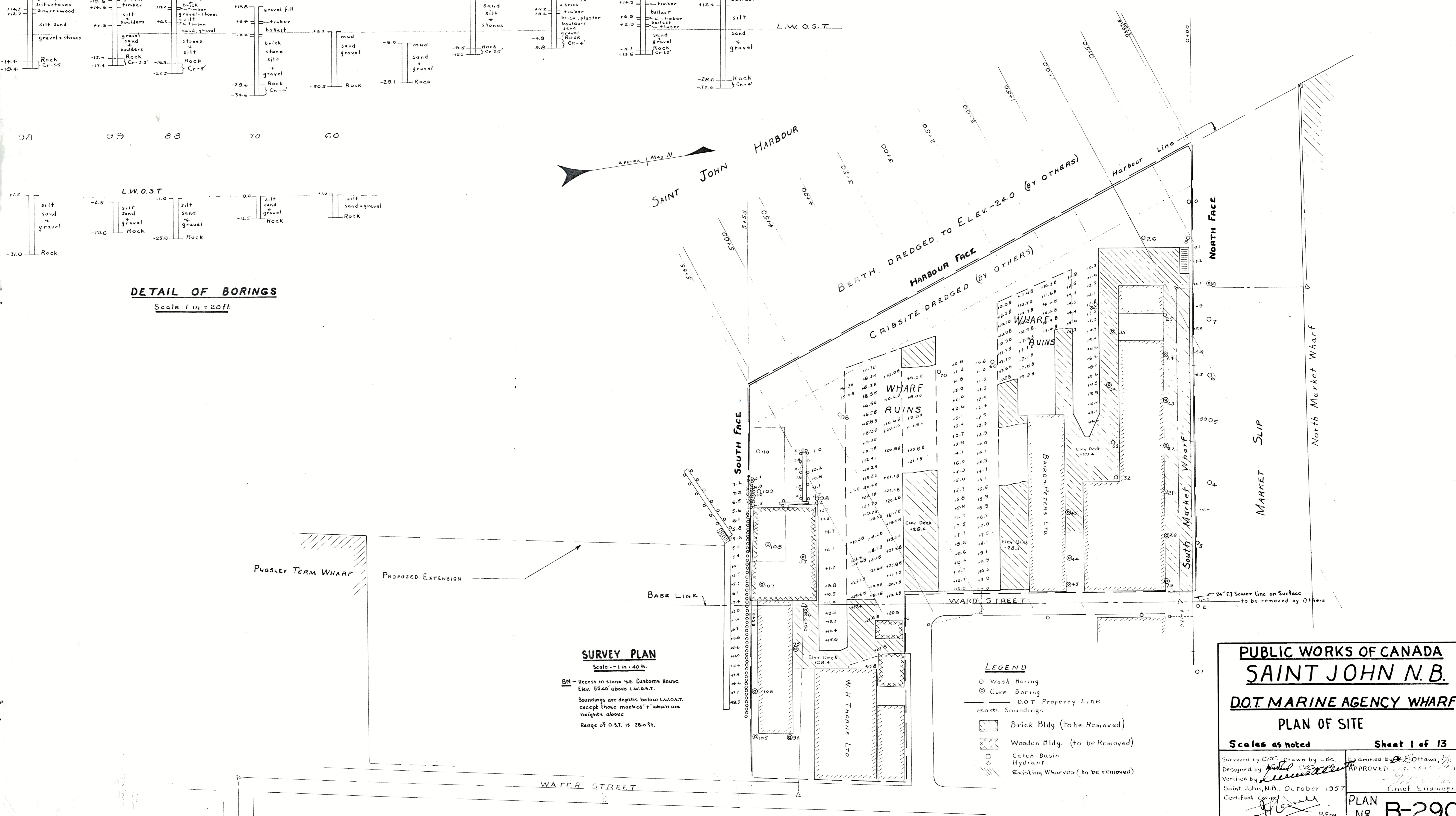
CLIENT: G & H STEEL

REINFORCING DETAILS
KEYS & CONNECTING

DRW. D.M.
SCALE 1/4" = 1'-0"



DETAIL OF BORINGS
Scale: 1 in = 20 ft



SURVEY PLAN
Scale - 1 in = 40 ft
BM - Access in stone S.E. Customs House Elev. 55.40' above L.W.O.S.T.
Soundings are depths below L.W.O.S.T. except those marked '+' which are heights above
Range of O.S.T. is 28.0 ft.

PUBLIC WORKS OF CANADA
SAINT JOHN N.B.
D.O.T. MARINE AGENCY WHARF
PLAN OF SITE

Scales as noted Sheet 1 of 13

Surveyed by *C.E.S.* Drawn by *C.E.S.* Examined by *C.E.S.* Ottawa, 1/11/1957
Designed by *W.H. D.C.E.* APPROVED *W.H. D.C.E.* 1/11/1957
Verified by *W.H. D.C.E.*
Saint John, N.B., October 1957
Certified Copy
District Engineer P. Eng. Chief Engineer

PLAN No B-290

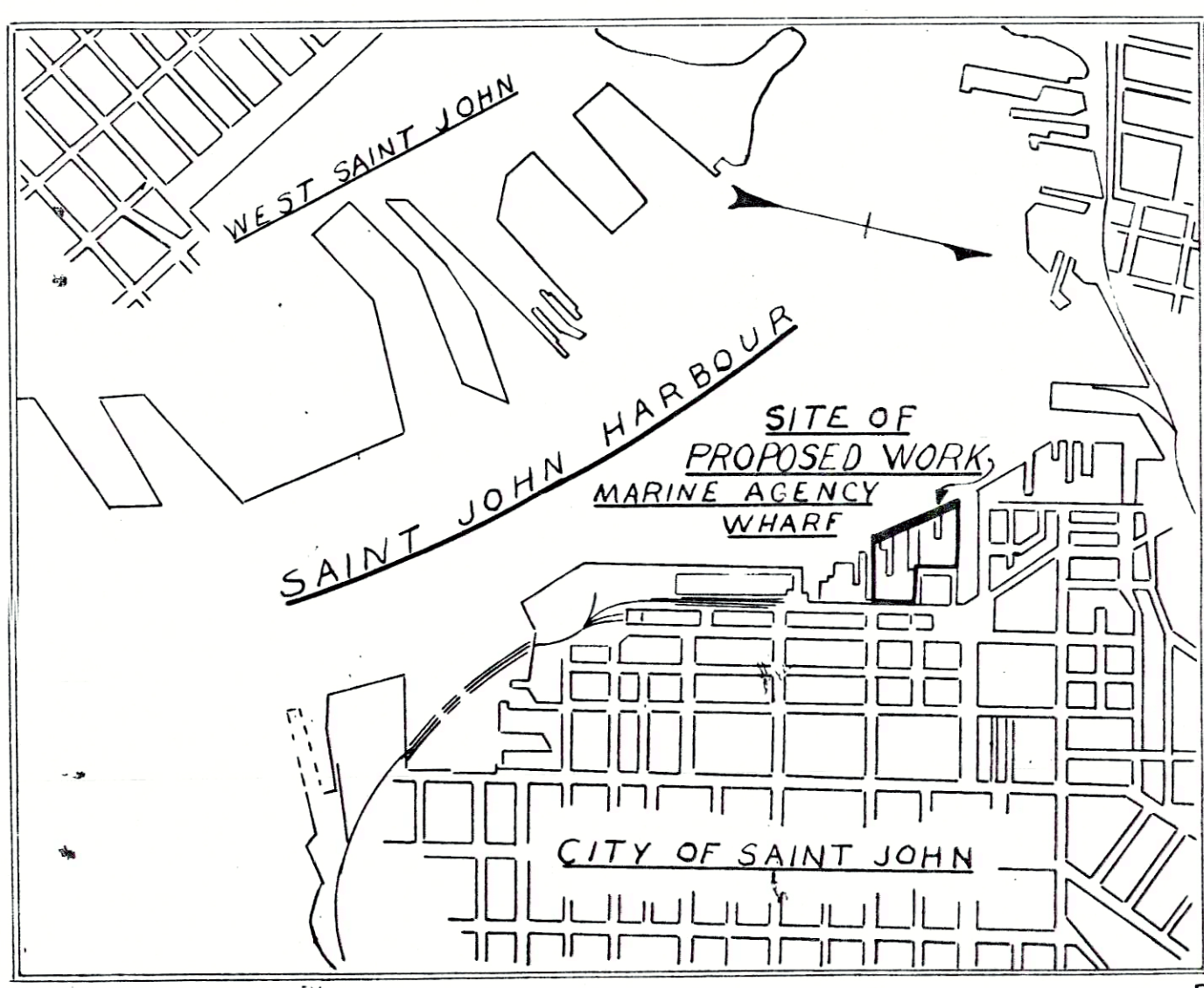
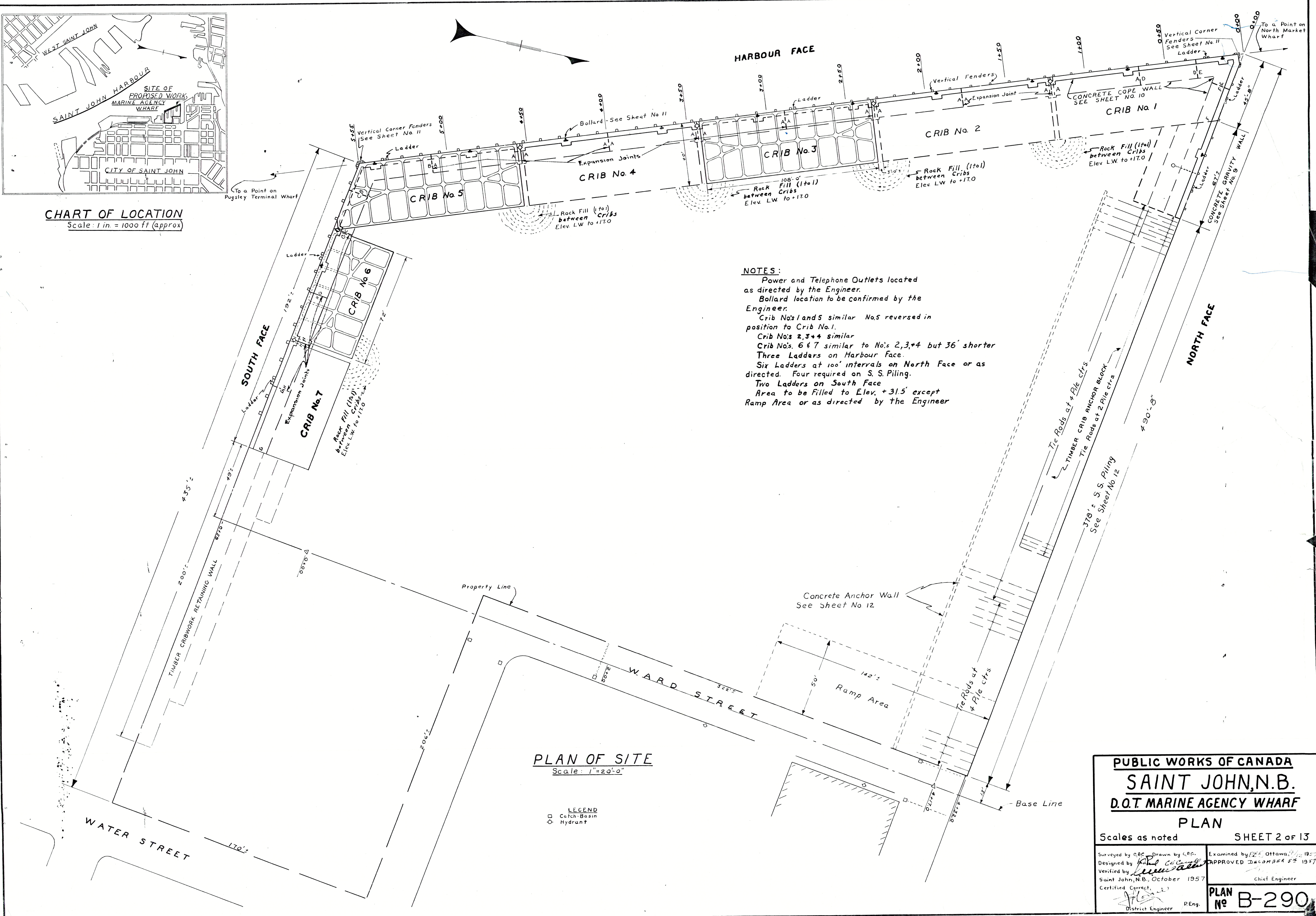


CHART OF LOCATION
Scale: 1 in. = 1000 ft (approx)



NOTES:
 Power and Telephone Outlets located as directed by the Engineer.
 Bollard location to be confirmed by the Engineer.
 Crib No's 1 and 5 similar No. 5 reversed in position to Crib No. 1.
 Crib No's 2, 3 & 4 similar
 Crib No's 6 & 7 similar to No's 2, 3, & 4 but 36' shorter
 Three Ladders on Harbour Face.
 Six Ladders at 100' intervals on North Face or as directed. Four required on S. S. Piling.
 Two Ladders on South Face
 Area to be Filled to Elev. +31.5' except Ramp Area or as directed by the Engineer

PLAN OF SITE
Scale: 1" = 20'-0"

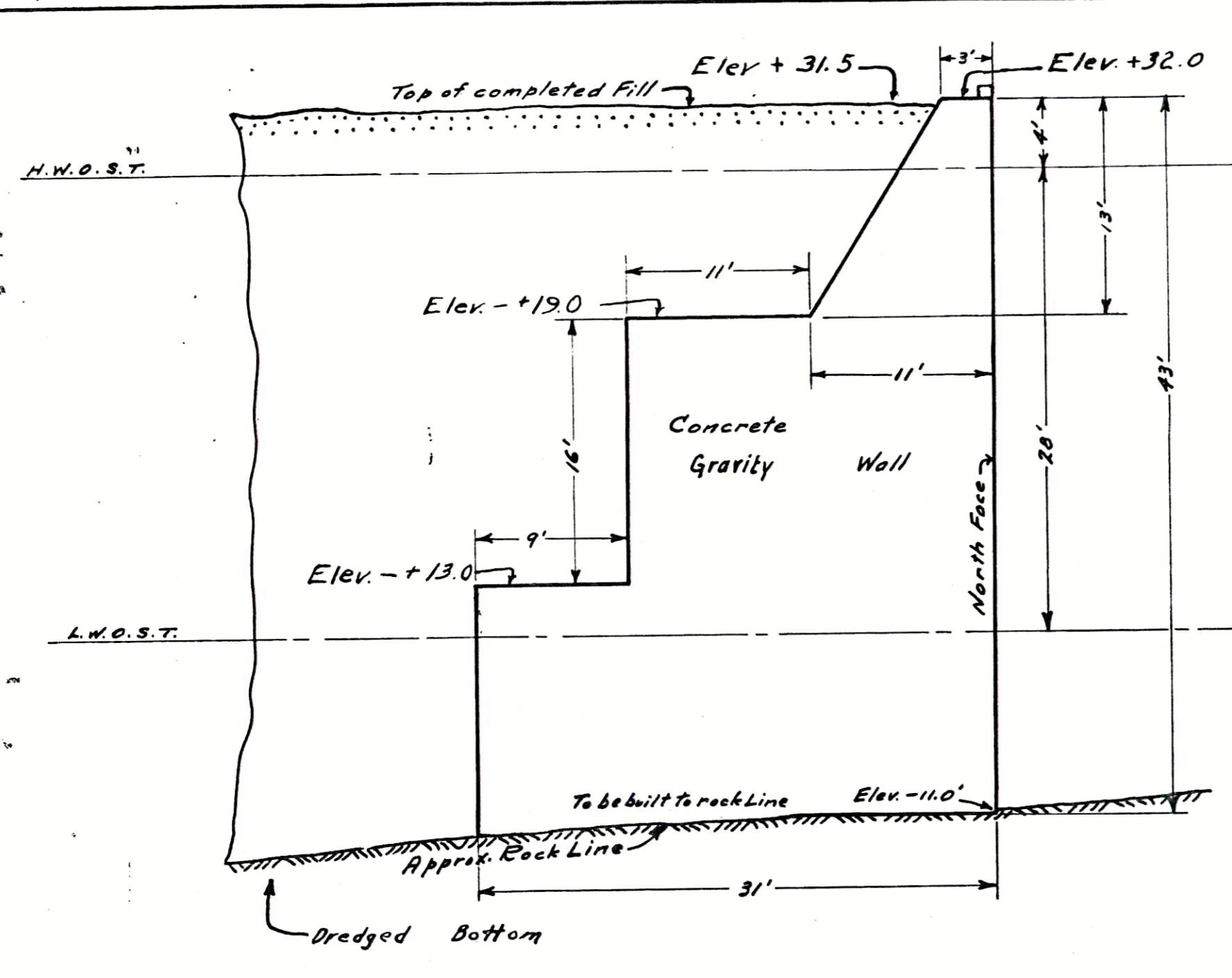
LEGEND
 □ Catch Basin
 ○ Hydrant

PUBLIC WORKS OF CANADA
SAINT JOHN, N.B.
D.O.T. MARINE AGENCY WHARF

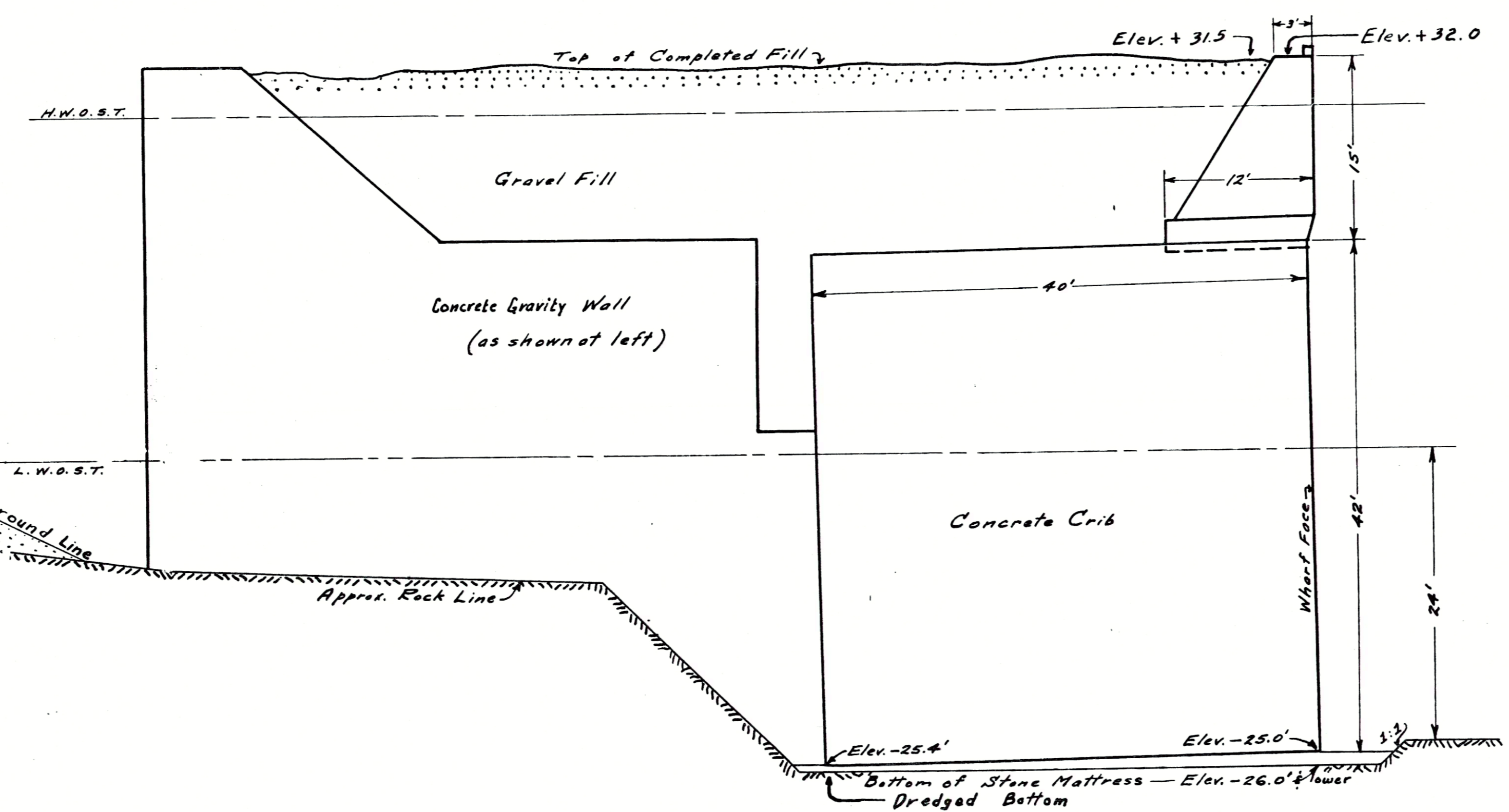
PLAN
 Scales as noted SHEET 2 of 13

Surveyed by C.E.C. Drawn by C.E.C. Designed by <i>[Signature]</i> Verified by <i>[Signature]</i> Saint John, N.B., October 1957 Certified Correct.	Examined by <i>[Signature]</i> Ottawa, 12/12/57 APPROVED DECEMBER 5 th 1957 Chief Engineer
District Engineer P.Eng.	PLAN No B-290

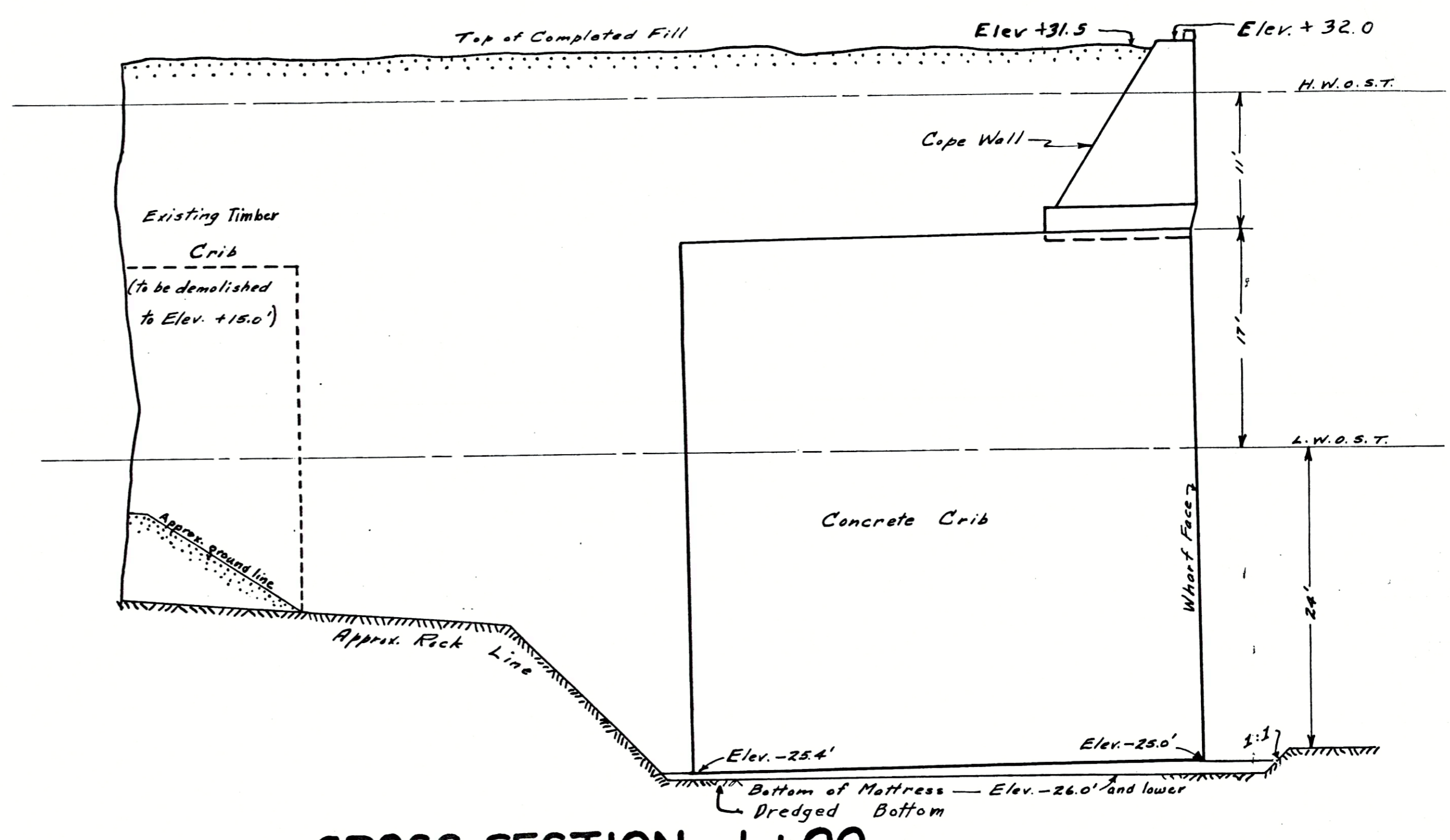
Saint John Plan No 3



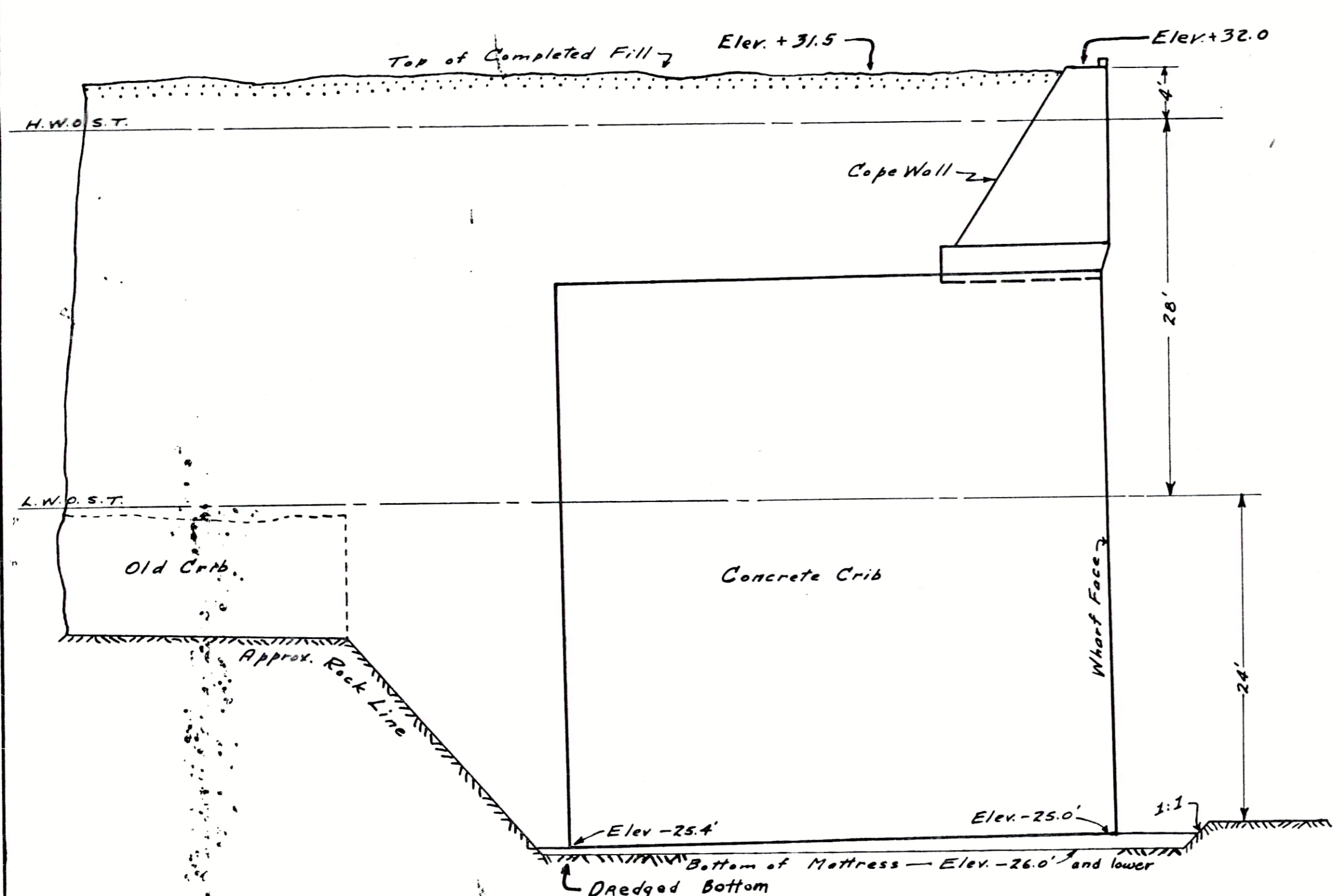
CROSS-SECTION OF RETAINING WALL (CONCRETE)



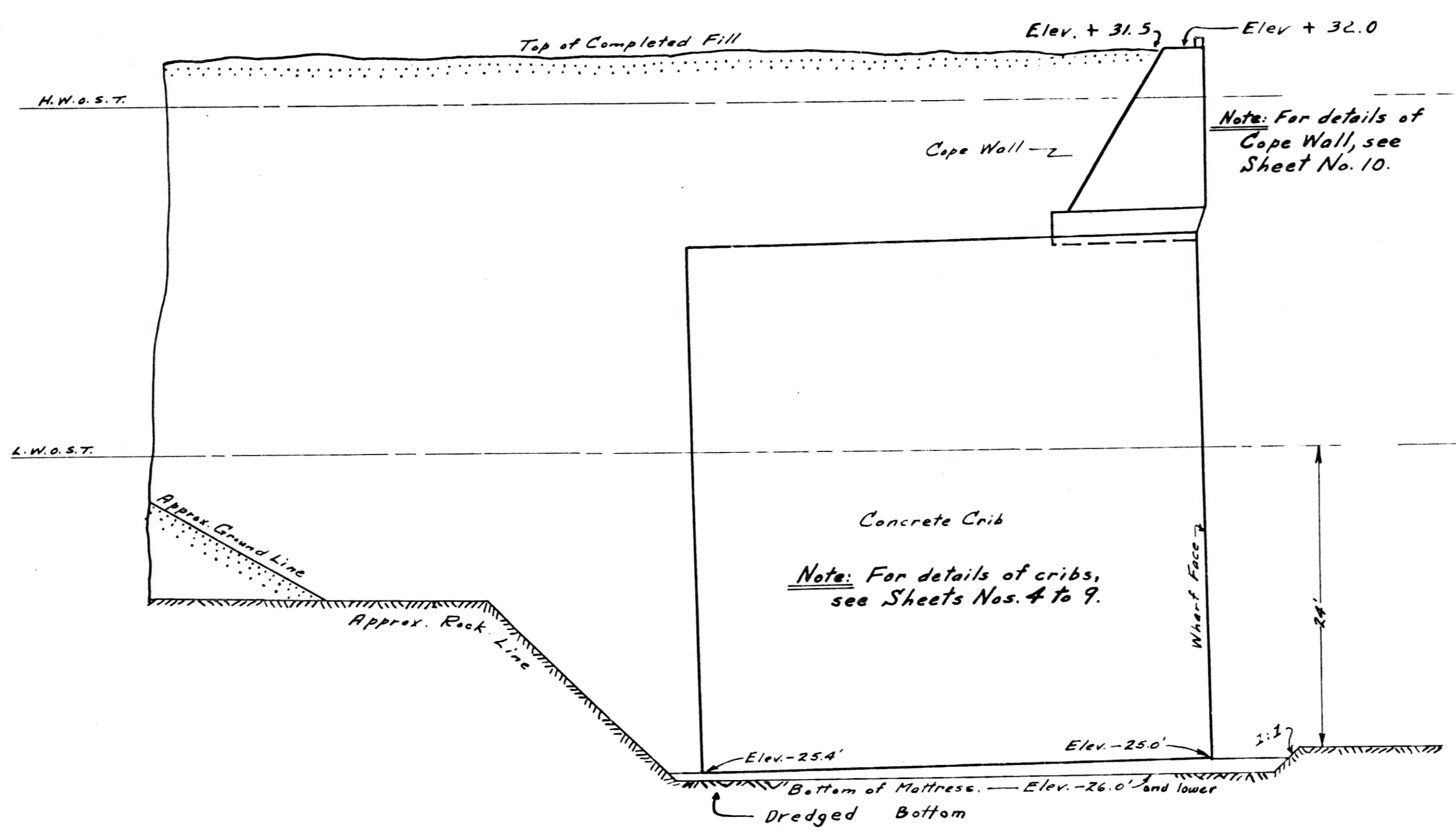
CROSS-SECTION 0+50



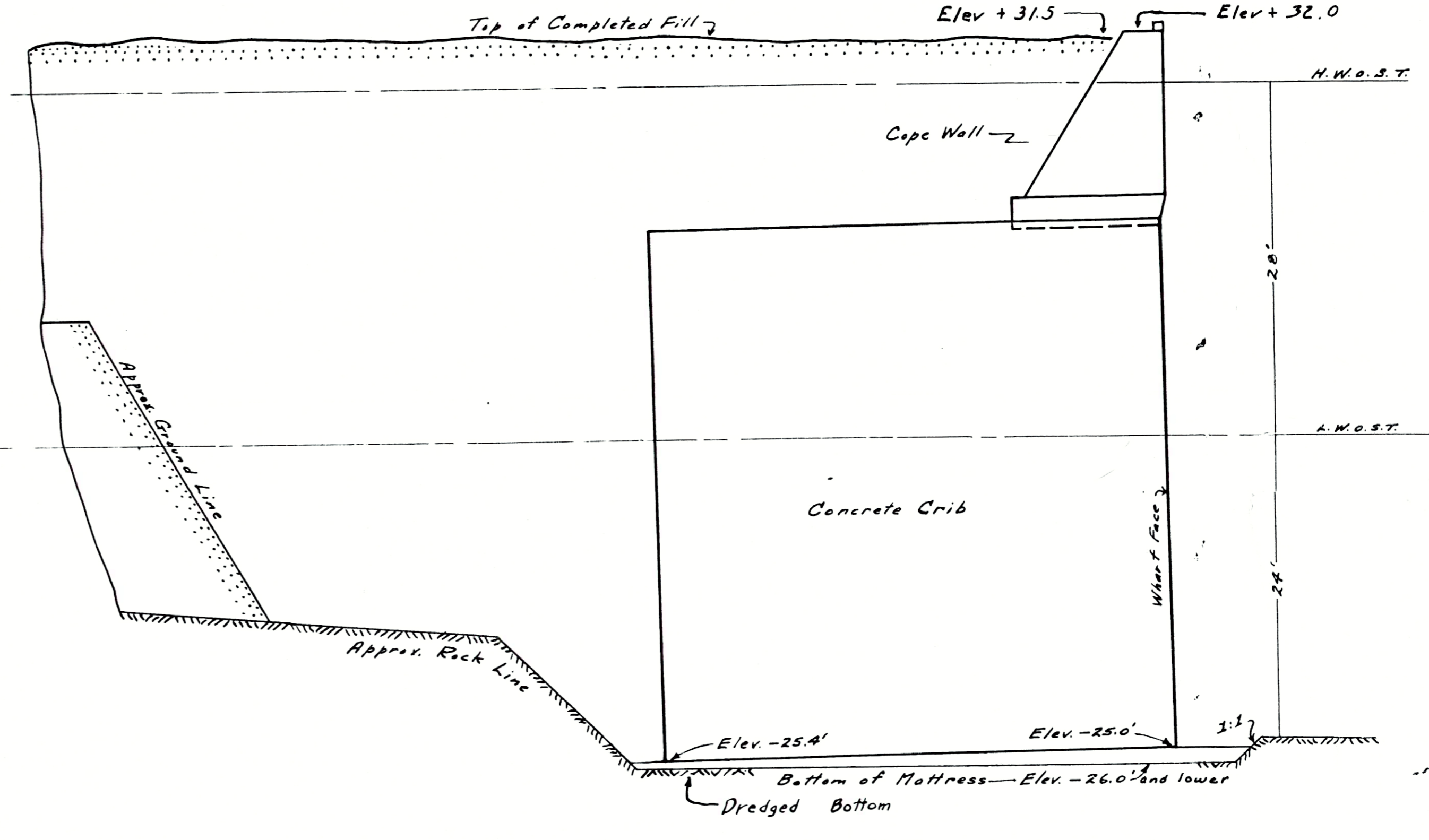
CROSS-SECTION 1+00



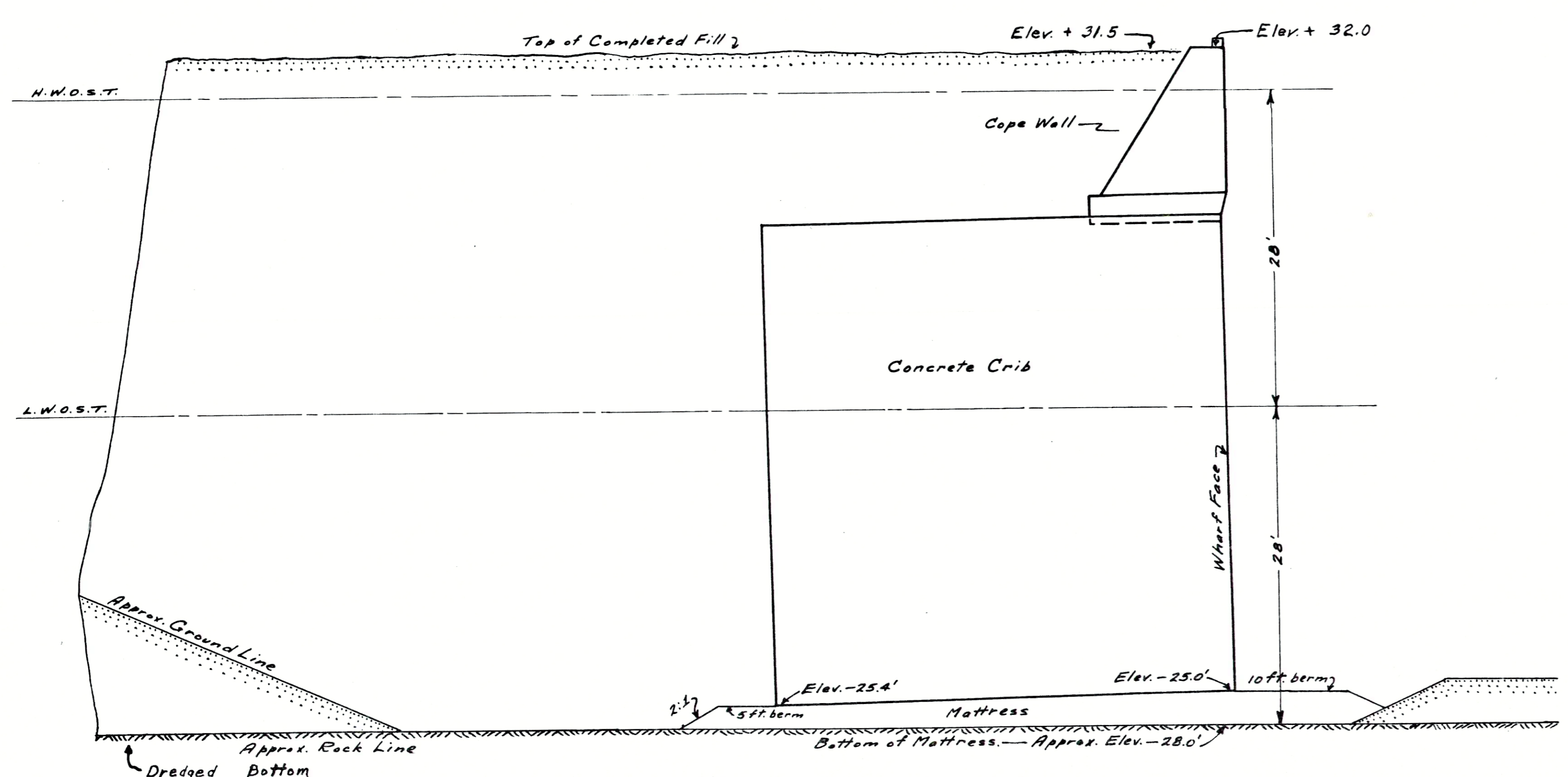
CROSS-SECTION 2+00



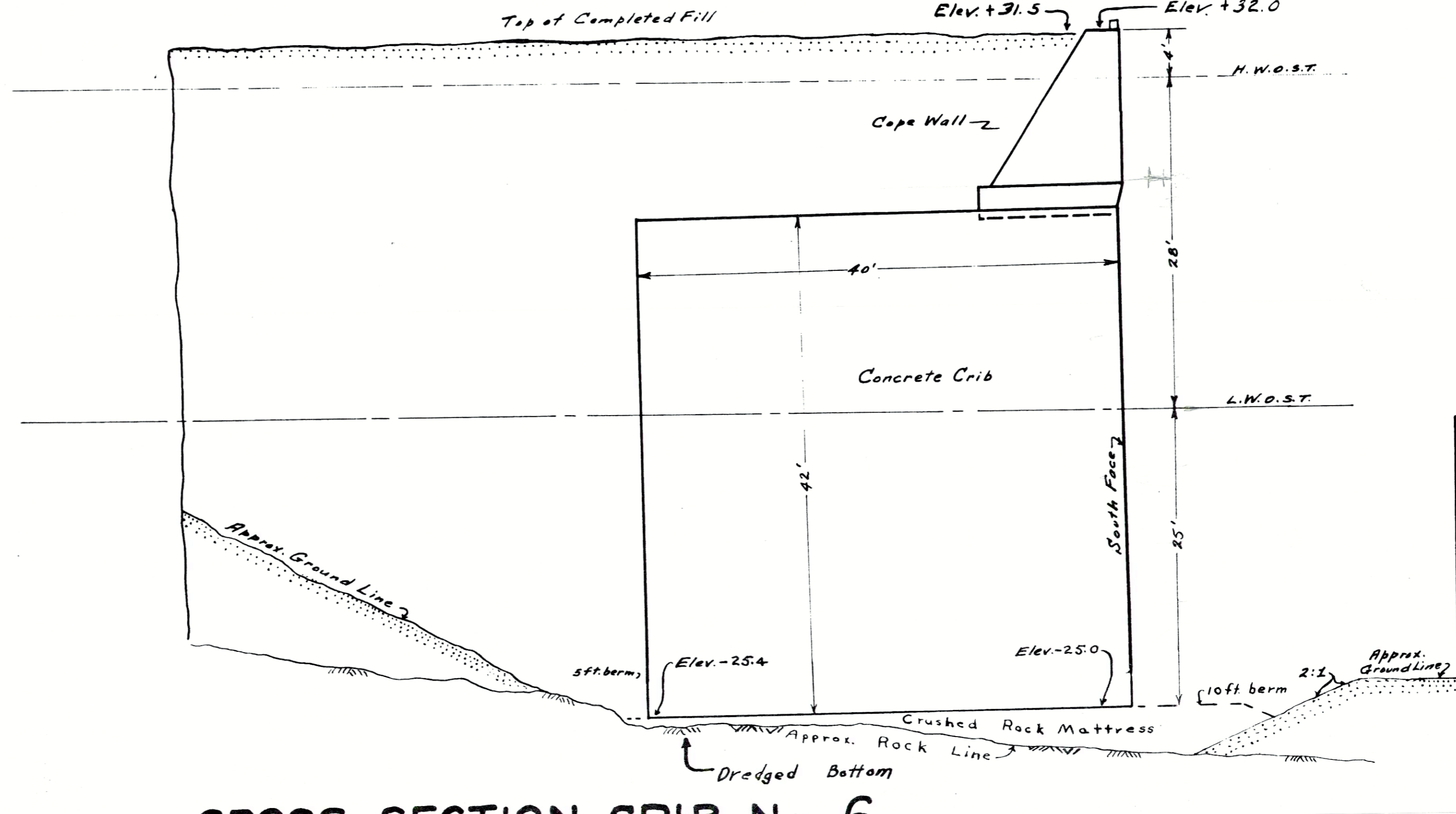
CROSS-SECTION 3+00



CROSS-SECTION 4+00



CROSS-SECTION 5+50



CROSS-SECTION CRIB No. 6

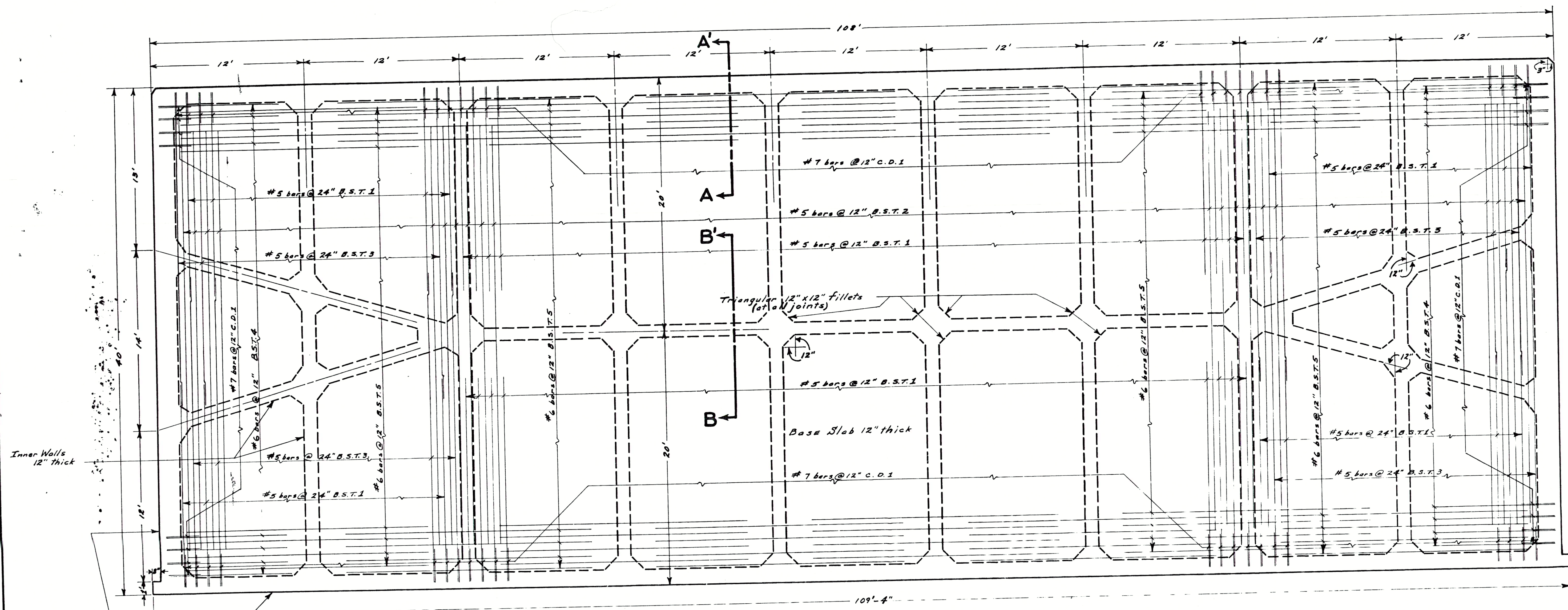
PUBLIC WORKS OF CANADA
SAINT JOHN, N.B.
D.O.T. MARINE AGENCY WHARF
 TYPICAL CROSS-SECTIONS
 Scale: 1 in. = 8 ft. SHEET 3 of 13

Designed by H.P. ... Drawn by H.P. ...
 Verified by ...
 Saint John, N.B. October, 1957
 Certified Correct
 District Engineer

Examined by ...
 PROVED DECEMBER 3rd 1957
 Chief Engineer.

PLAN No. B-290

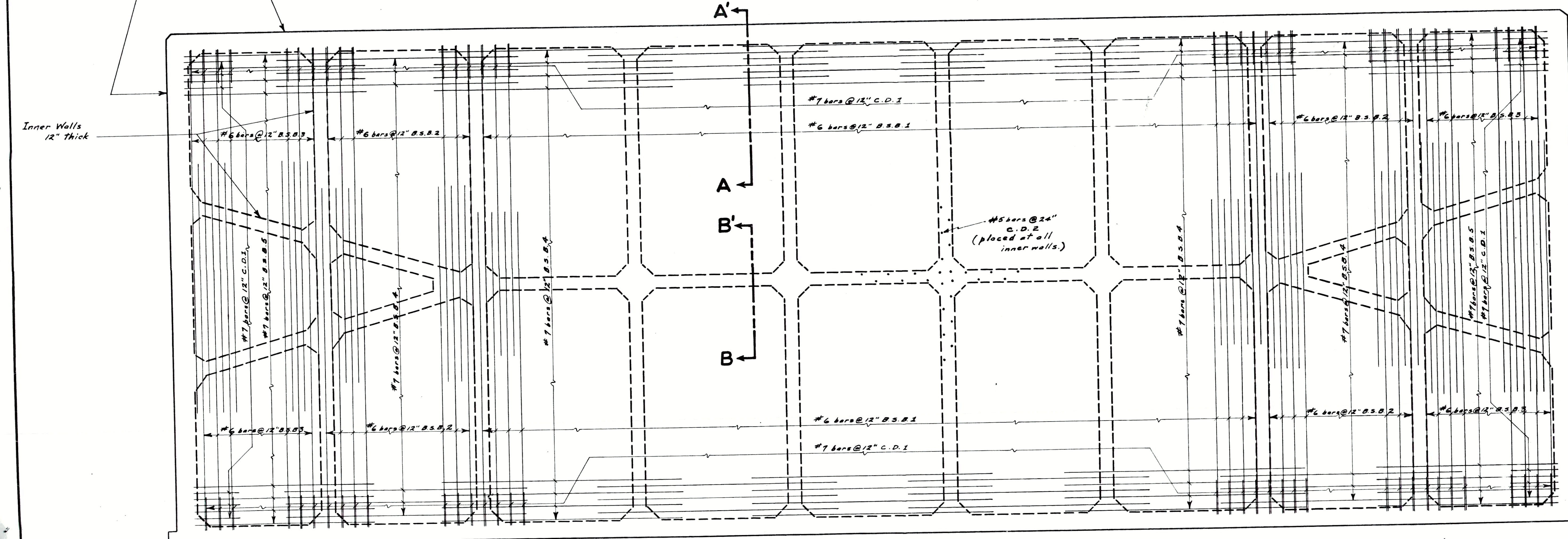
Saint John Plan No. 3



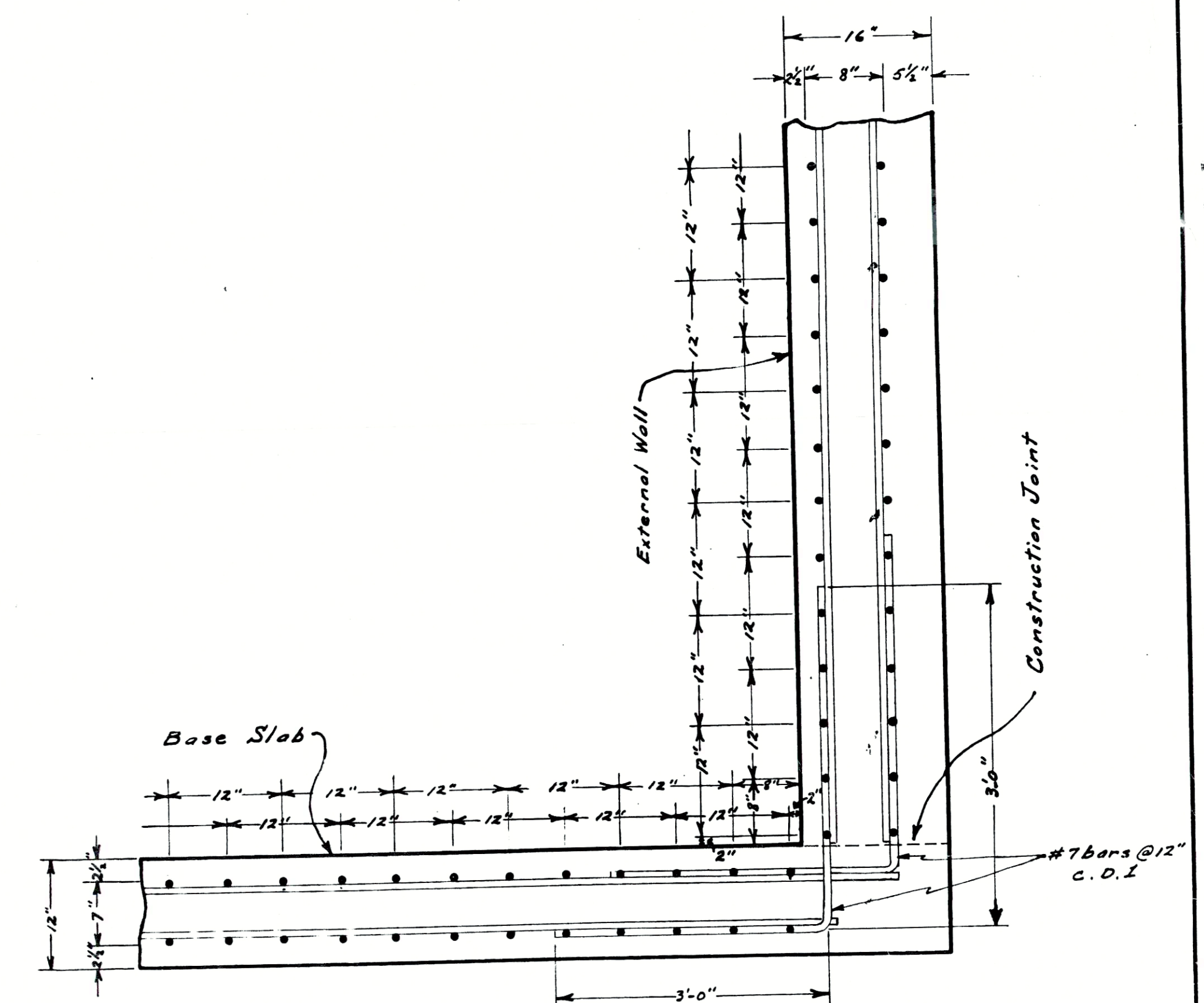
BASE SLAB TOP STEEL DETAIL
Scale: 1" = 4'

Inner Walls 12" thick
Long Walls 16" thick
Base Slab 12" thick
End Walls (both ends) 21" thick

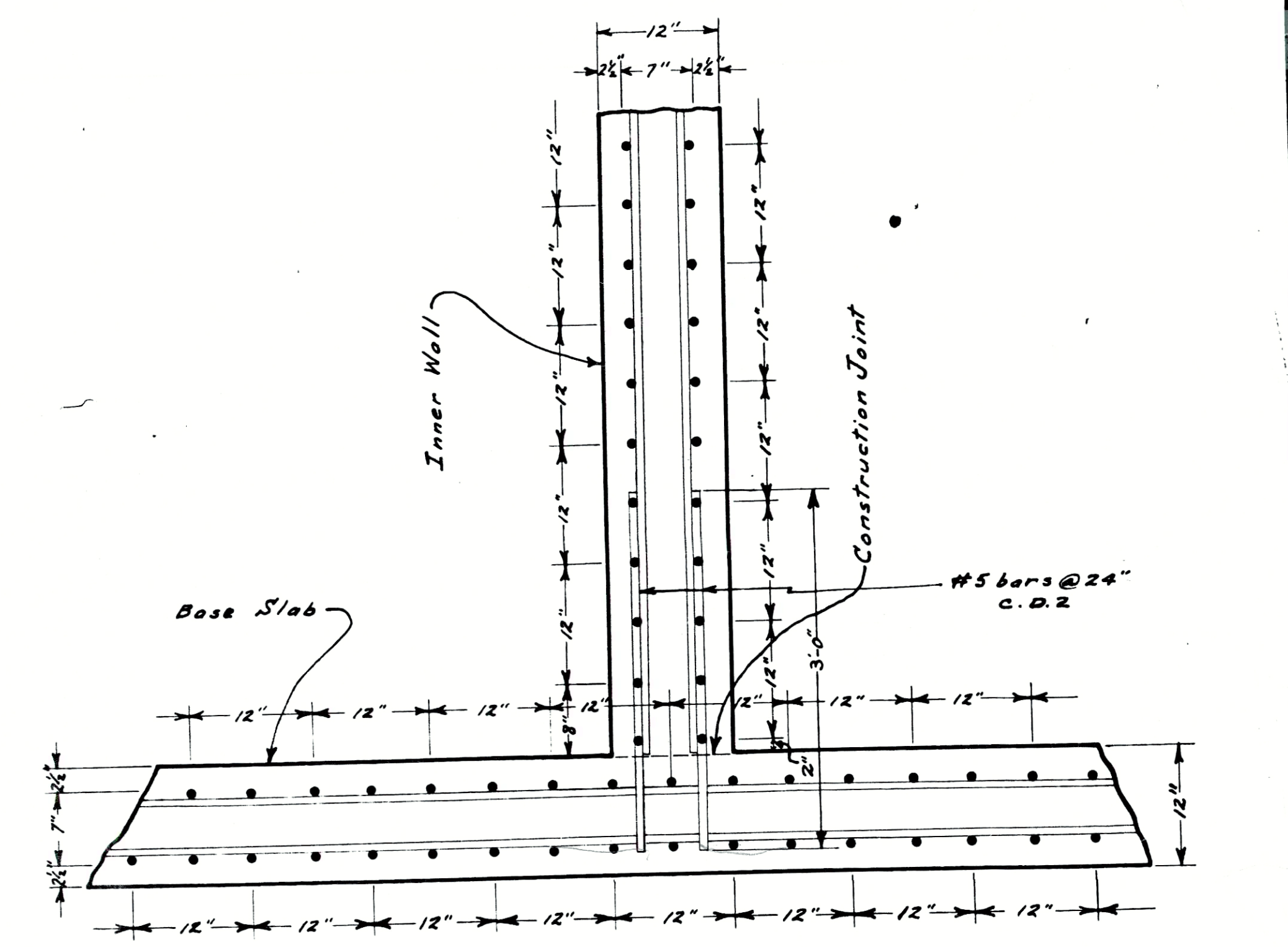
Minimum concrete Protection of Steel
Exterior faces - 4 1/2 inches.
Interior faces - 2 1/2 inches.



BASE SLAB BOTTOM STEEL DETAIL
Scale: 1" = 4'



CROSS-SECTION A-A'
STEEL PLACING DETAIL
Scale: 1" = 12"

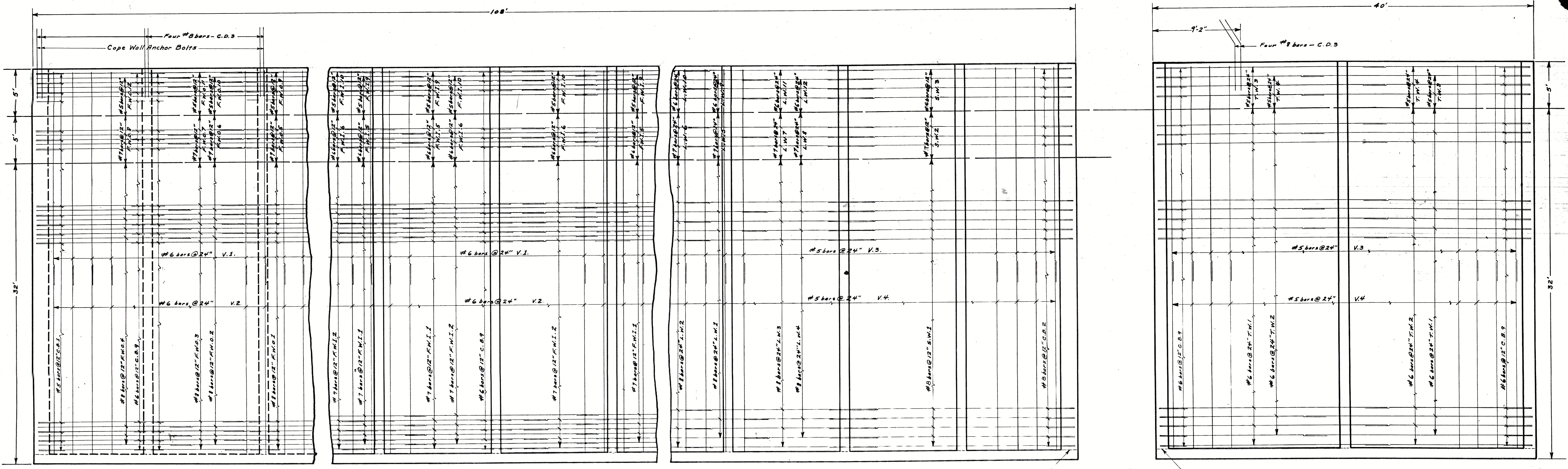


CROSS-SECTION B-B'
STEEL PLACING DETAIL
Scale: 1" = 12"

STEEL PLACING FOR CRIBS No. 2, 3 & 4.

PUBLIC WORKS OF CANADA
SAINT JOHN, N.B.
D.O.T. MARINE AGENCY WHARF
DETAILS- CONCRETE CRIBS 2, 3 & 4
Scales as noted **SHEET 4 OF 13**

Surveyed by <i>C.E.B.</i>	Drawn by <i>H.R.</i>	Examined by <i>L.E. Ottawa</i>
Designed by <i>H.P.</i>	C.E. Checked by <i>C.E. Ottawa</i>	APPROVED <i>Dec 28, 1957</i>
Verified by <i>W.M.</i>	<i>W.M.</i>	<i>W.M.</i>
Saint John, N.B. October 1957		Chief Engineer
Certified Correct	<i>W.M.</i>	P. Eng.
	District Engineer	
Saint John Plan No. 3		PLAN No. B-290



CROSS-SECTION A-A'

CROSS-SECTION B-B'

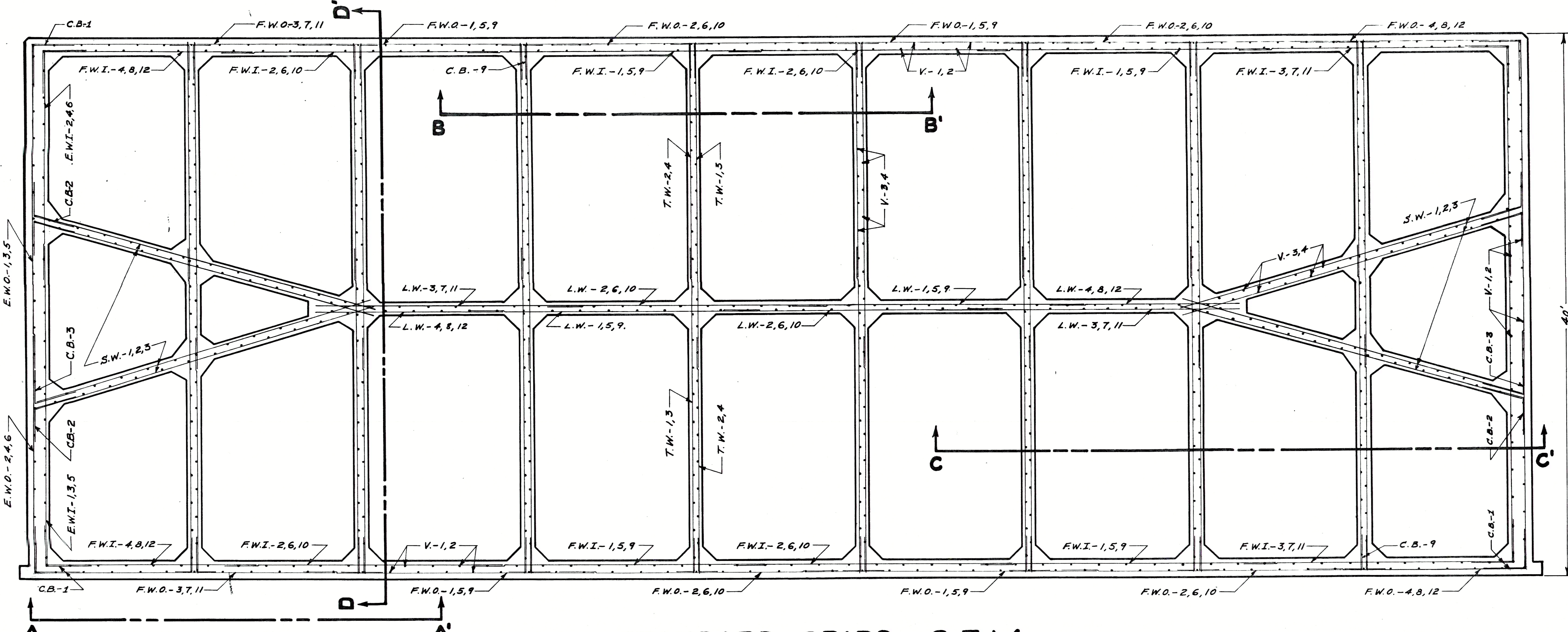
CROSS-SECTION C-C'

CROSS-SECTION D-D'
TRANVERSE WALL

LONGITUDINAL ELEVATION VIEWS

Scale: 1" = 4'

Scale: 1" = 4'



STANDARD CRIBS - 2, 3 & 4
HOR. & VERTICAL STEEL DETAIL OF WALLS

Scale: 1" = 4'

NOTE:
Minimum concrete protection of Steel:
Exterior faces - 4 1/2 inches
Interior faces - 2 1/2 inches

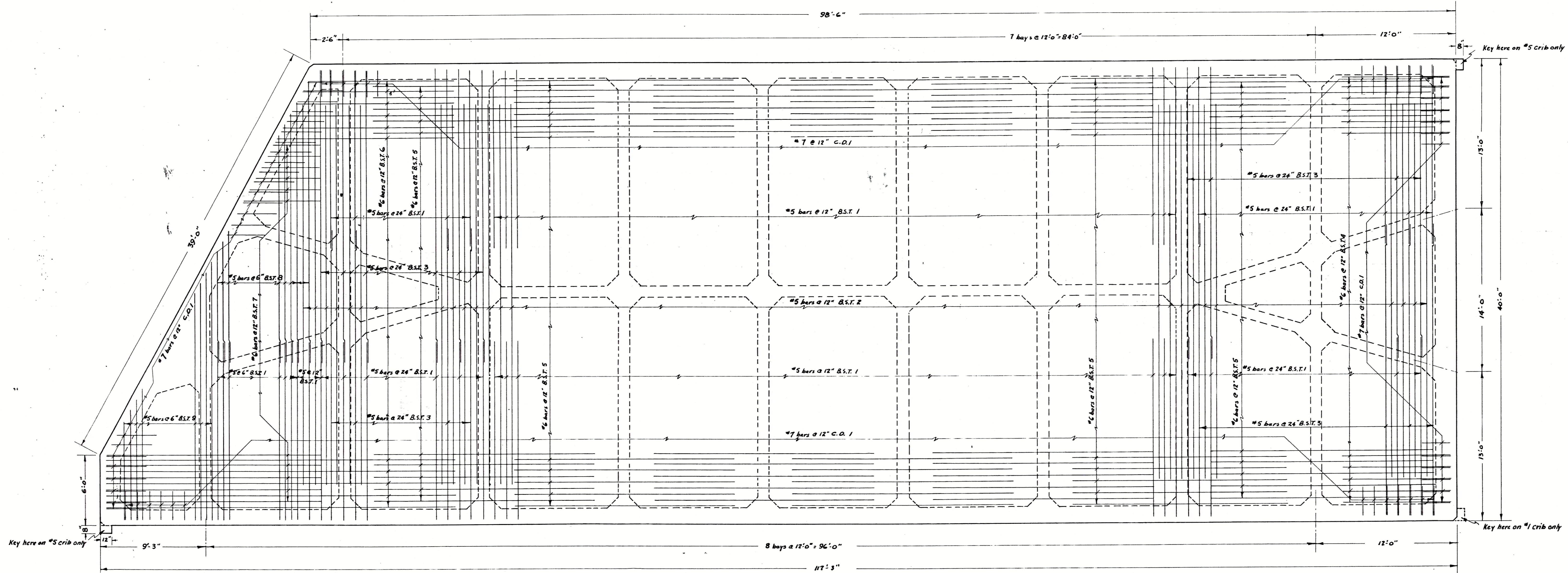
PUBLIC WORKS OF CANADA
SAINT JOHN, N.B.
D.O.T. MARINE AGENCY WHARF
DETAIL - CONCRETE CRIBS 2, 3 & 4.
Scales as noted SHEET 5 OF 13

Surveyed by *[Signature]* Drawn by H.R.
Designed by *[Signature]* Verified by *[Signature]*
Saint John, N.B. October 1957
Certified Correct
P. Eng.
District Engineer

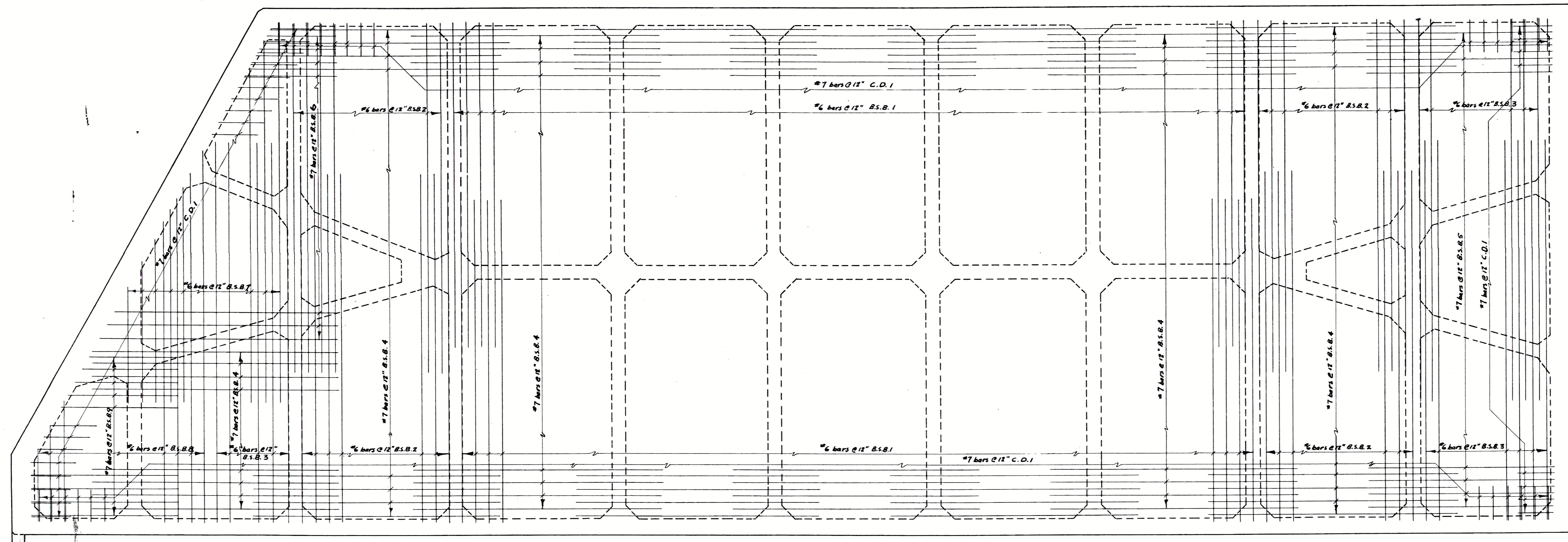
Examined by *[Signature]* Ottawa
APPROVED DECEMBER 5th 1957
Chief Engineer

PLAN No. B-290

Saint John Plan No. 3



BASE SLAB (CRIBS 1 & 5) TOP STEEL



BASE SLAB (CRIBS 1 & 5) BOTTOM STEEL

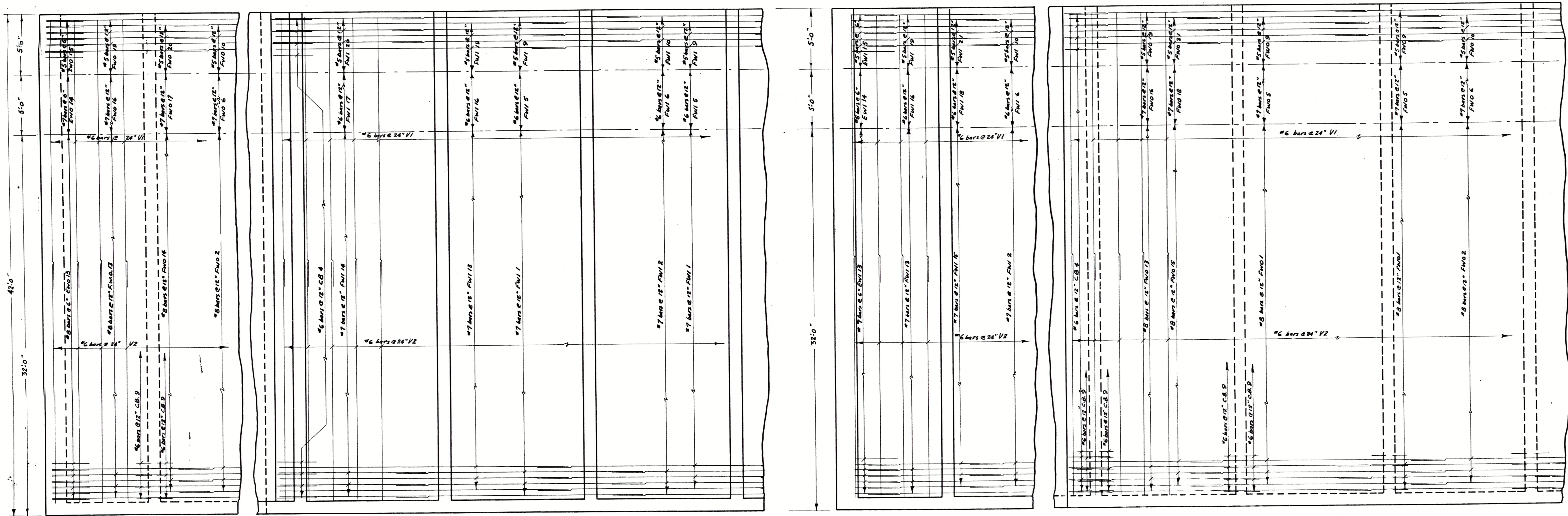
NOTE

All fillets to be 12" on sides
 Face walls 16" thick
 End walls 21" thick
 Interior walls 12" thick
 Base Slab 12" thick
 Steel clearance - exterior faces 4 1/2"
 Interior faces 2 1/2"

PUBLIC WORKS OF CANADA
SAINT JOHN, N.B.
 D.O.T. MARINE AGENCY WHARF
 DETAILS - CONCRETE CRIBS 1 & 5
 Scale - 1 in. = 4 ft. SHEET 6 of 13

Surveyed by *W.S.C.* Drawn by *M.L.P.*
 Designed by *W.H. G. G. G.*
 Verified by *W.H. G. G.*
 Saint John, N.B. October 1937.
 Certified Correct
W.H. G. G.
 District Engineer

Examined by *L.L. Offawa*
 APPROVED *DECEMBER 28 1937*
Smile
 Chief Engineer
PLAN No. B-290



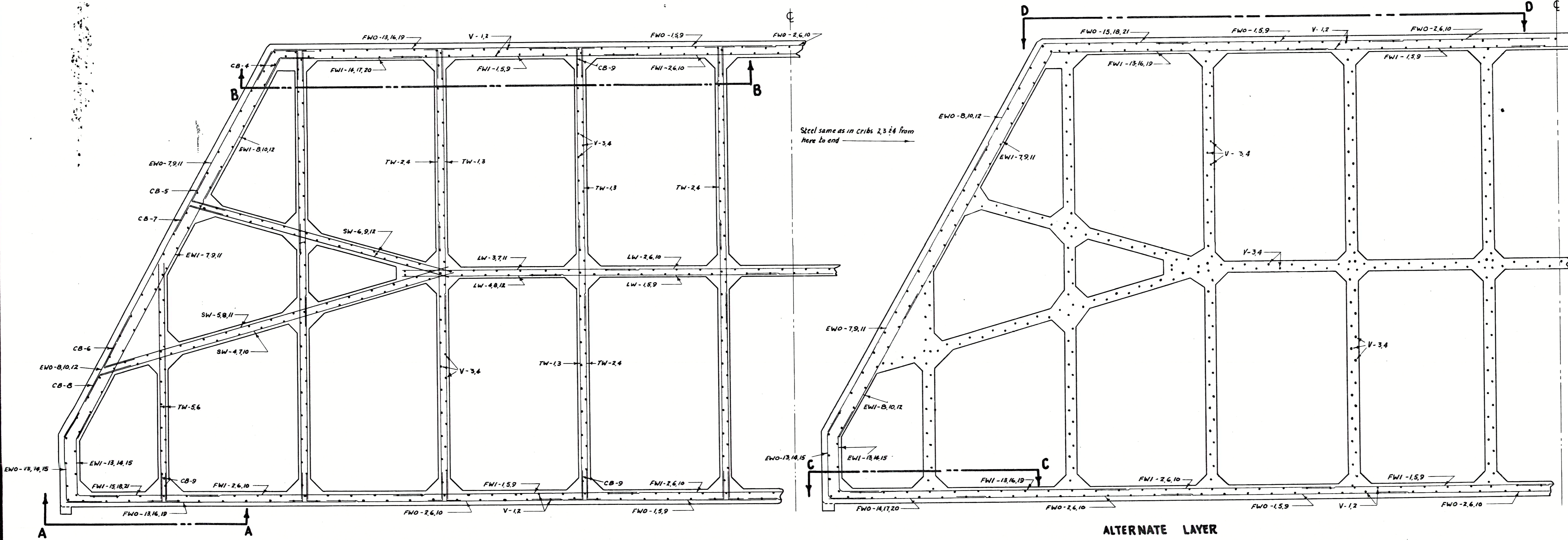
SECTION-A-A

SECTION-B-B

SECTION-C-C

SECTION-D-D

LONGITUDINAL SECTIONS CRIBS 1 & 5



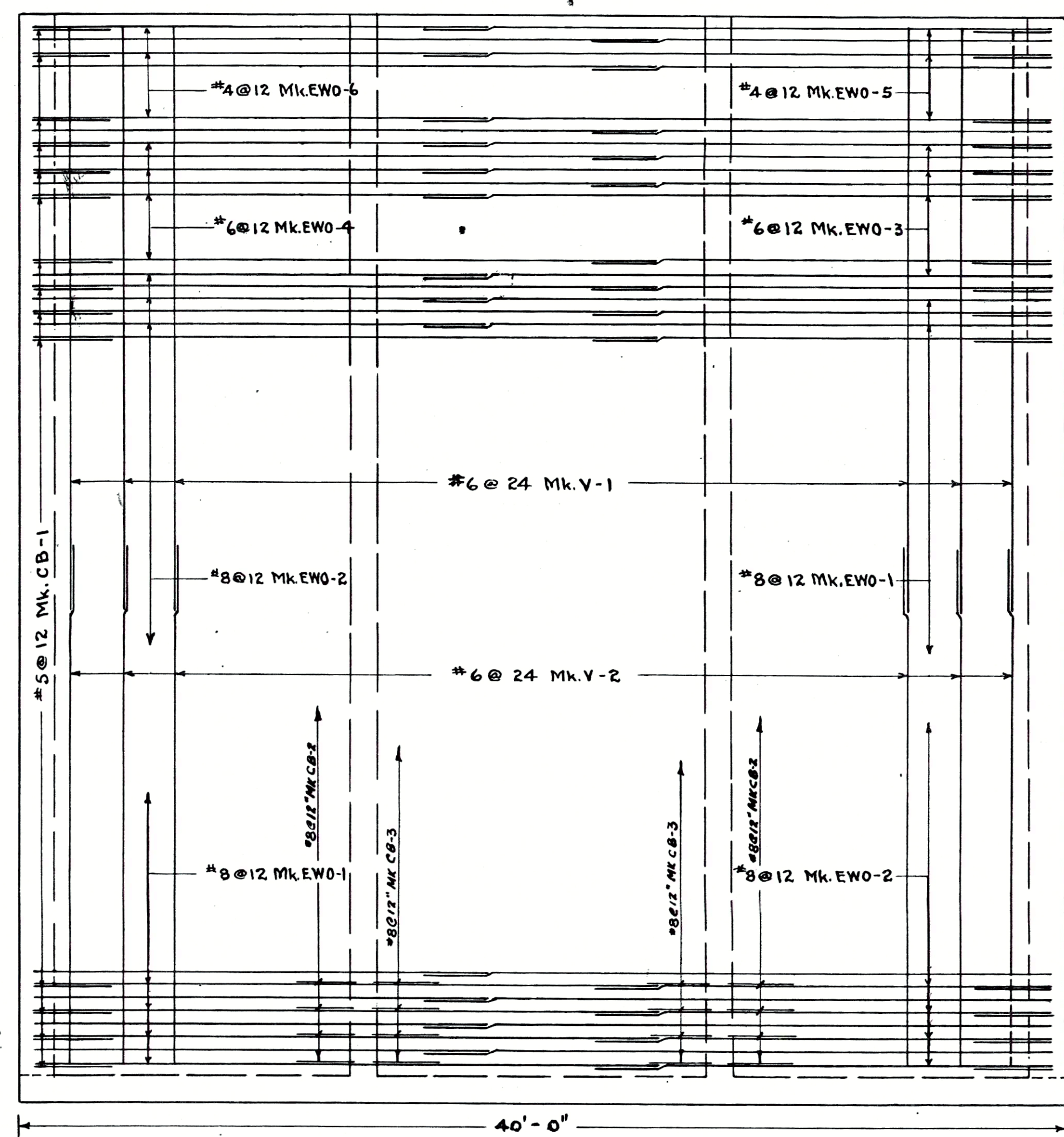
PART PLAN - CRIBS 1 & 5

Steel same as in cribs 2,3,4 from here to end

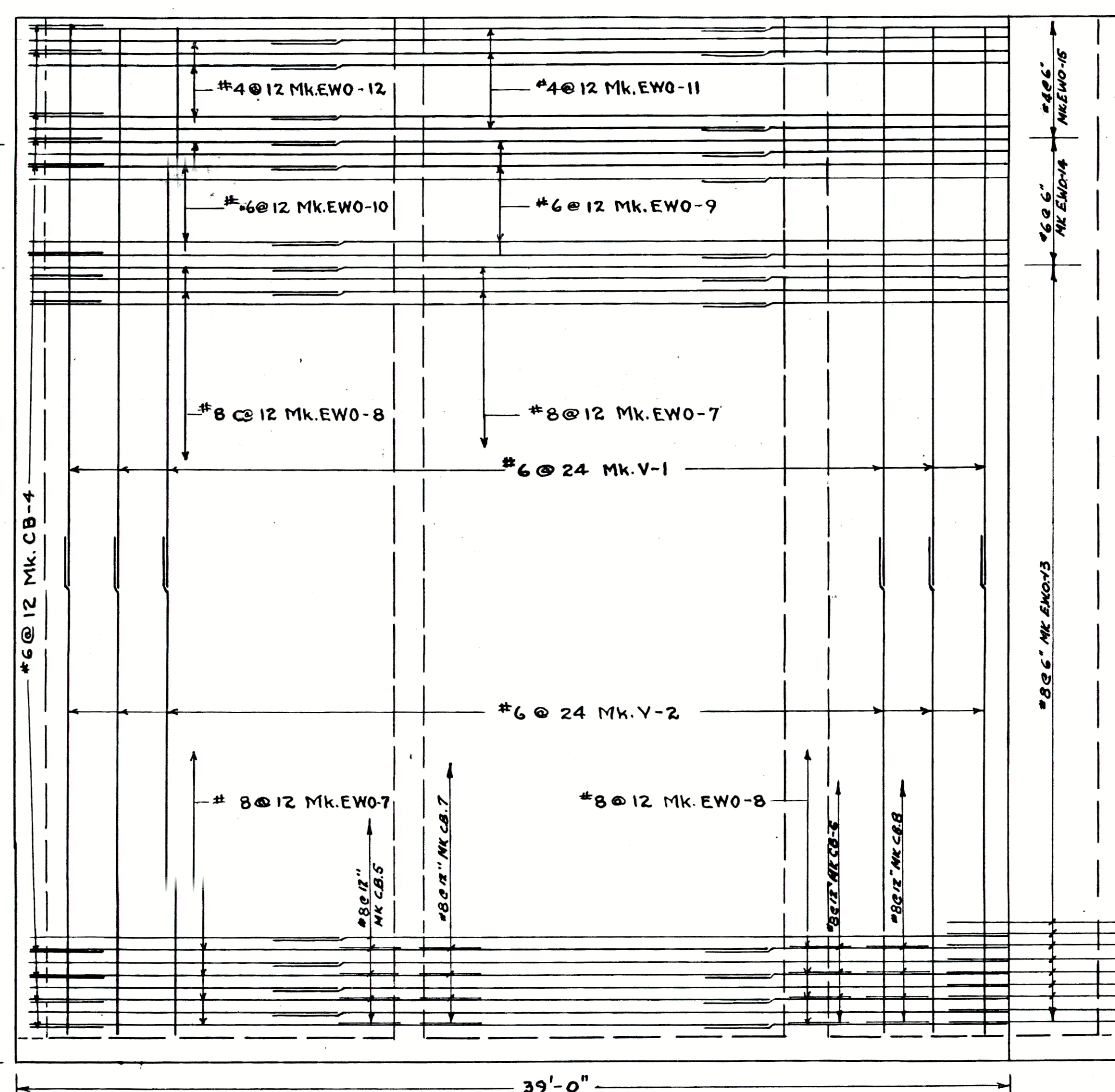
PUBLIC WORKS OF CANADA
SAINT JOHN, N.B.
D.O.T. MARINE AGENCY WHARF
 DETAILS-CONCRETE CRIBS 1 & 5
 Scale - 1 in. = 4 ft. SHEET 7 of 13

Surveyed by *[Signature]* Drawn by *[Signature]* Examined by *[Signature]* Ottawa 1937
 Designed by *[Signature]* C.E. APPROVED DECEMBER 5th 1937
 Verified by *[Signature]* Chief Engineer
 Saint John, N.B. October 1937.
 Certified Correct
[Signature] District Engineer
 Saint John Plan No. 3

PLAN No. B-290

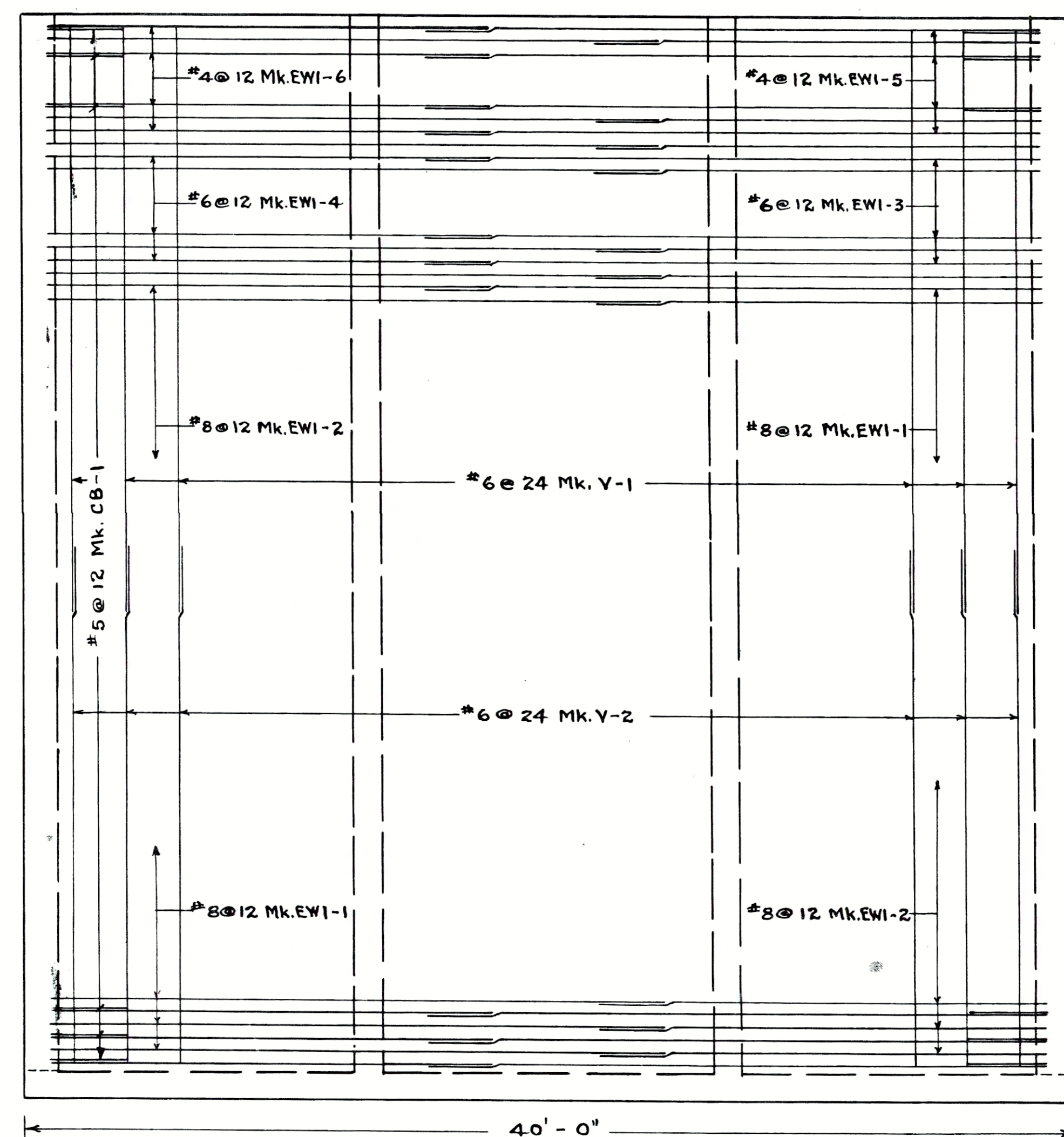


DETAIL OF OUTSIDE STEEL - END WALLS- CRIBS 2,3,4,6 & 7
Scale: 1/4" = 1'-0"

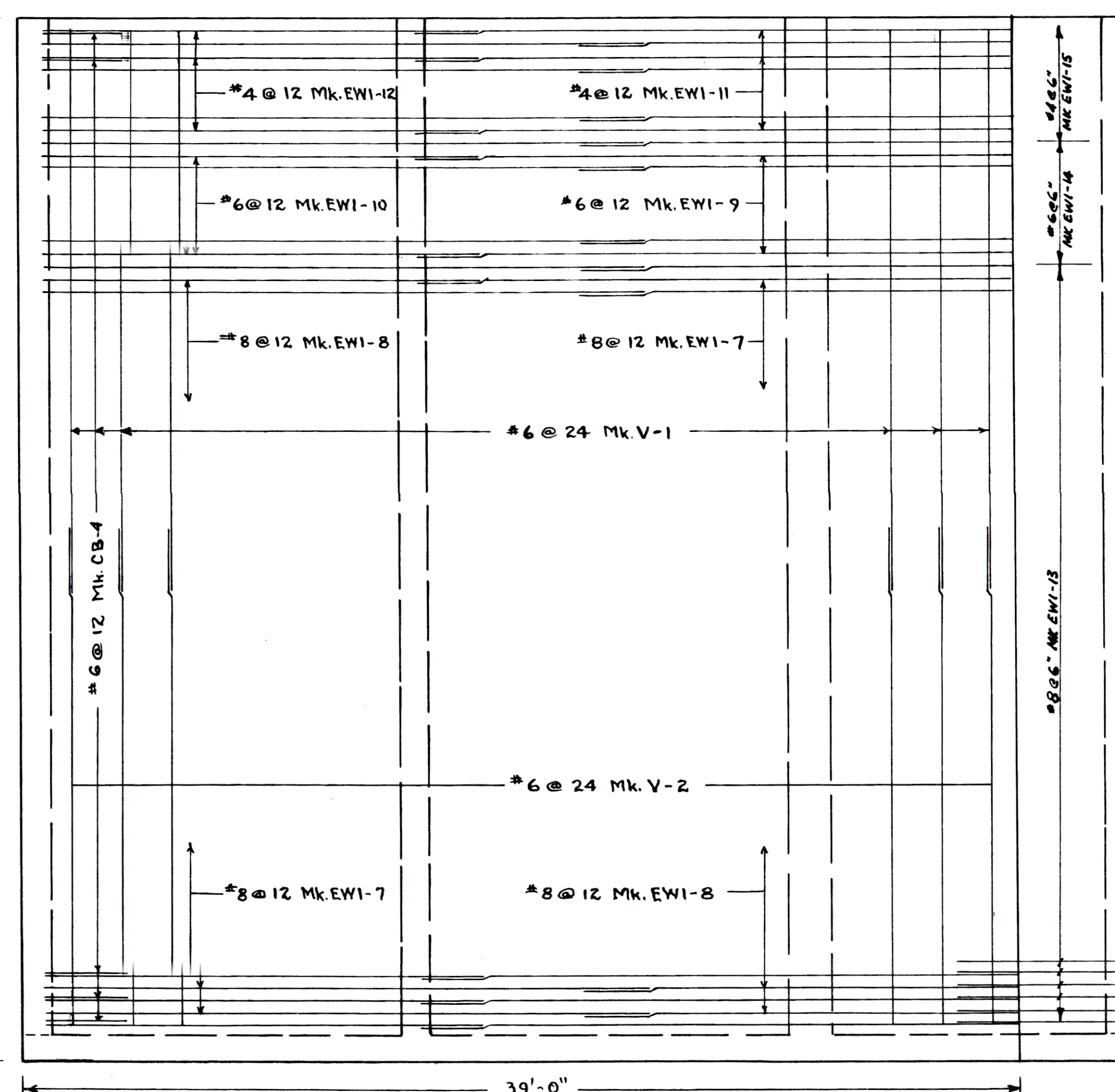


DETAIL OF OUTSIDE STEEL - END WALL - CRIBS 1 & 5
Scale: 1/4" = 1'-0"

ELEVATIONS



DETAIL OF INSIDE STEEL - END WALLS-CRIBS 2,3,4,6 & 7
Scale: 1/4" = 1'-0"



DETAIL OF INSIDE STEEL - END WALL - CRIBS 1 & 5
Scale: 1/4" = 1'-0"

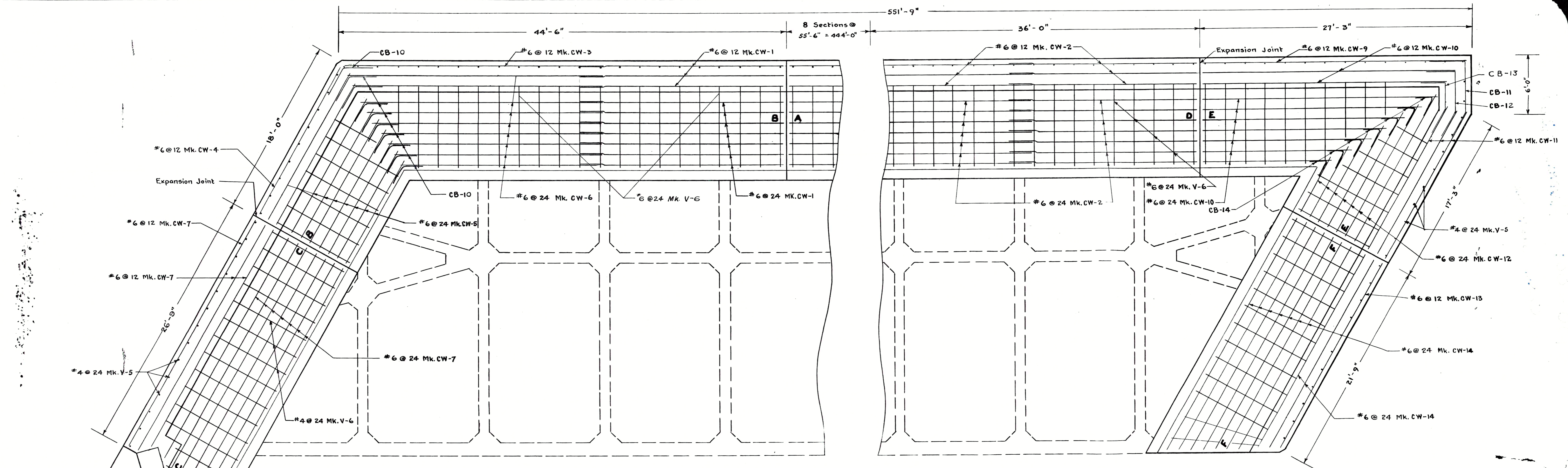
ELEVATIONS

PUBLIC WORKS OF CANADA
SAINT JOHN, N. B.
D.O.T. MARINE AGENCY WHARF
DETAILS- CONCRETE CRIB END WALLS

Scales as noted SHEET 8 of 13

Surveyed by <i>C.S. Down</i>	Examined by <i>E. Ottawa</i>
Designed by <i>Paul C. Gault</i>	APPROVED <i>DECEMBER 22 1957</i>
Verified by <i>Paul C. Gault</i>	
Saint John, N.B., October, 1957.	
Certified Correct,	Chief Engineer
<i>Robert L. P. Eng.</i> District Engineer	PLAN No B-290

Saint John Plan No. 3

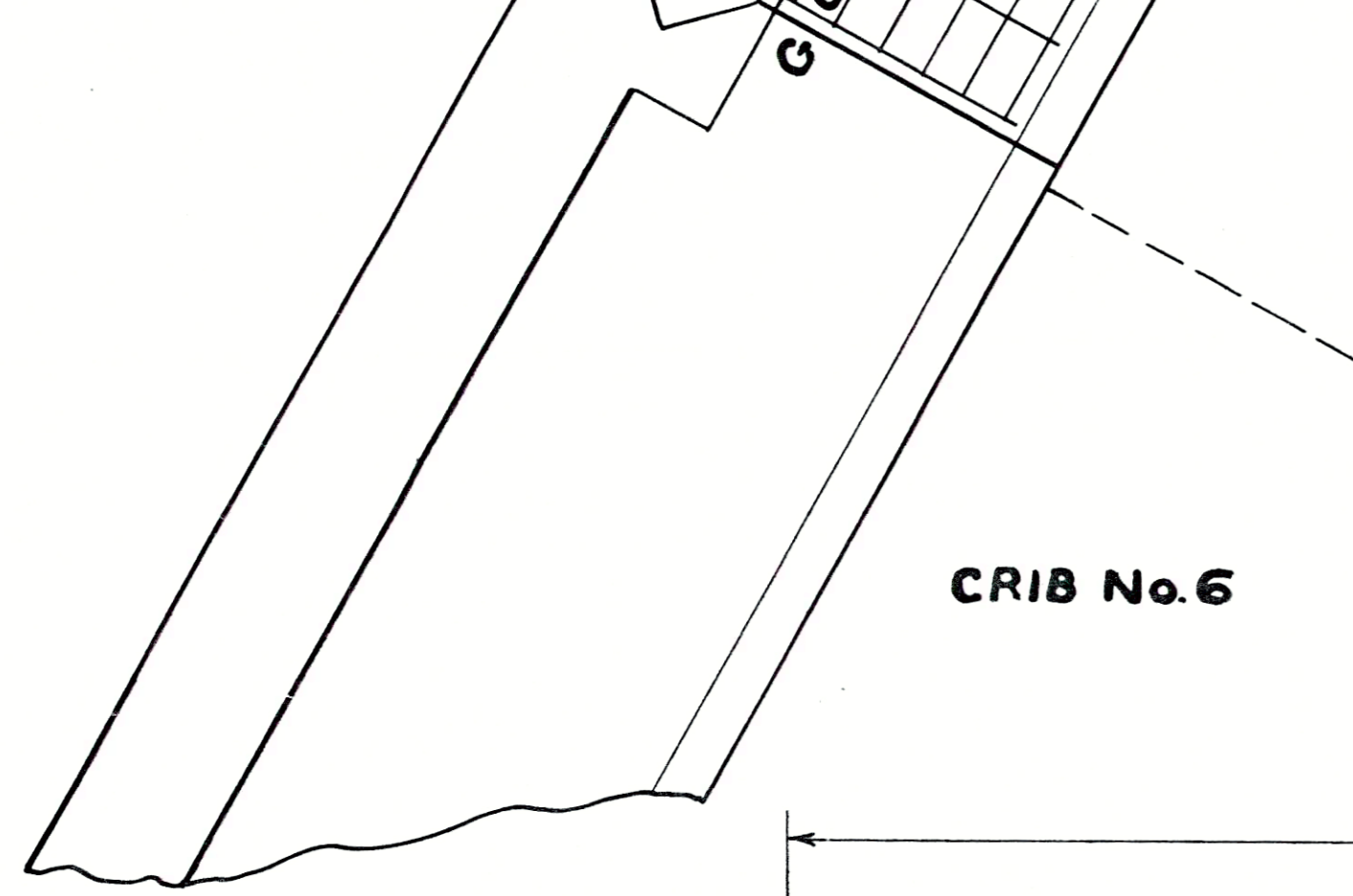


COPE WALL

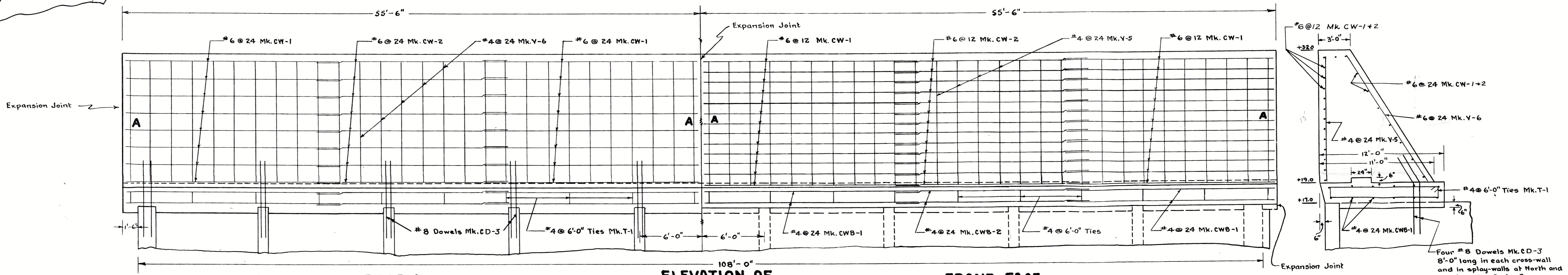
Scale: 1/4" = 1'-0"

END CRIB - NO. 5 SOUTH END

END CRIB - NO. 1 - NORTH END



CRIB No. 6

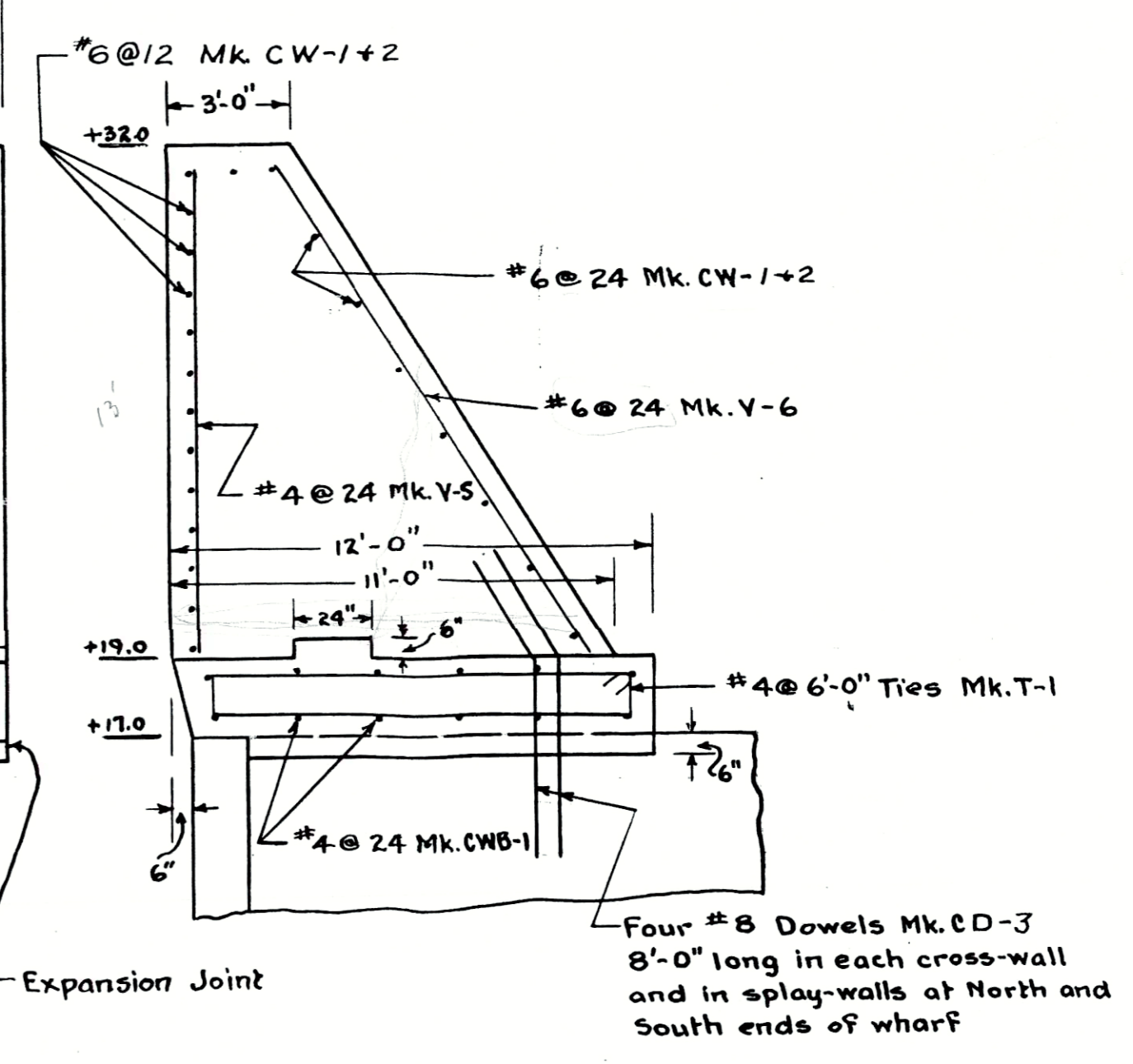


ELEVATION OF STANDARD CRIB COPE WALL

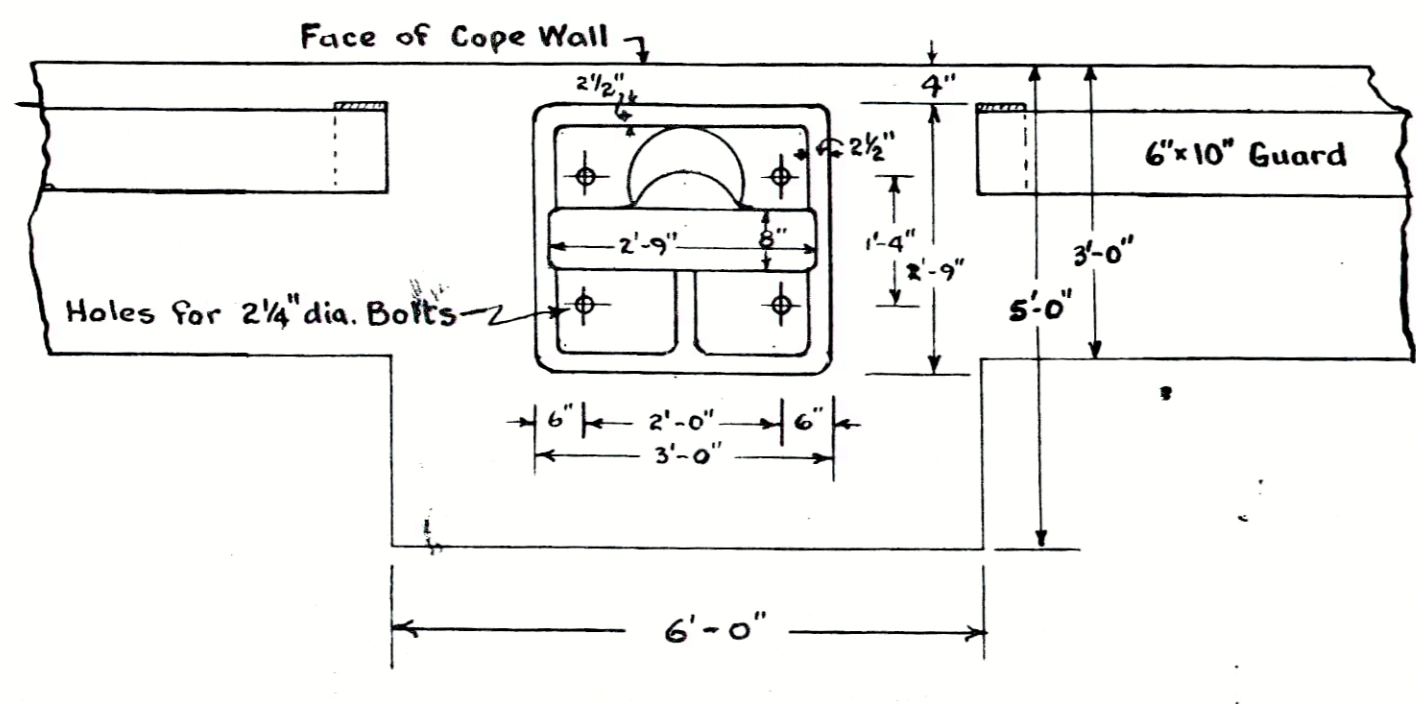
Scale: 1/8" = 1'-0"

REAR FACE

FRONT FACE

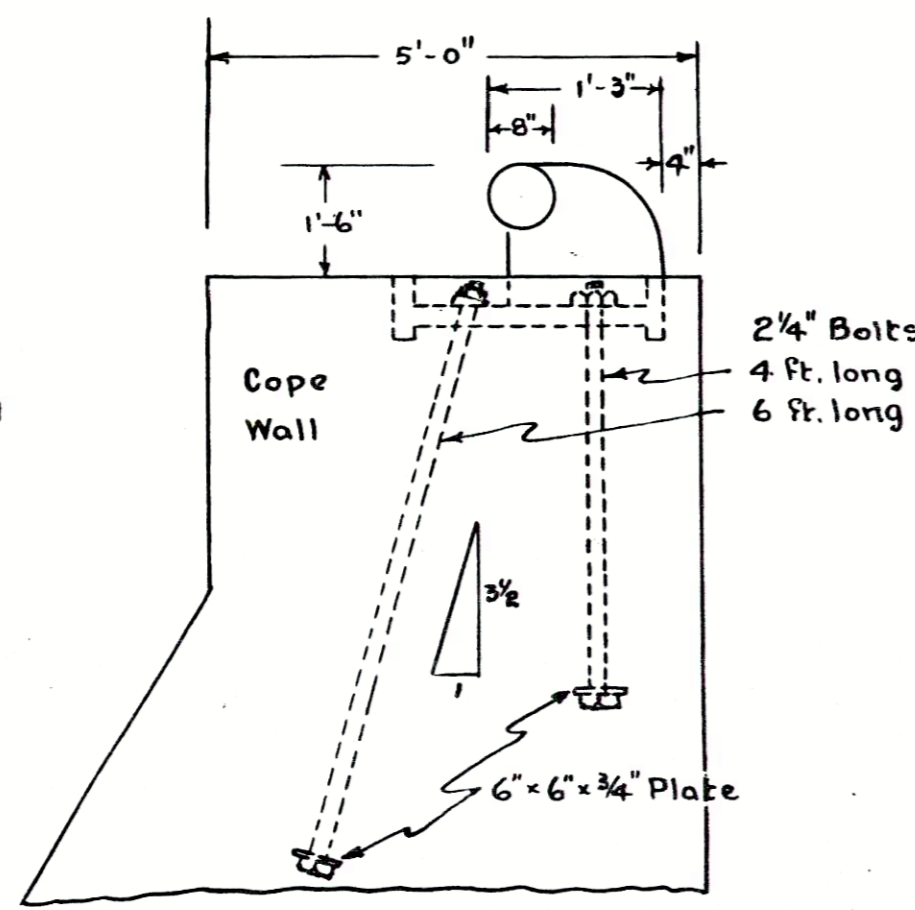


Four #8 Dowels Mk. CD-3 8'-0" long in each cross-wall and in spigot-walls at North and South ends of wharf



BOLLARD DETAIL

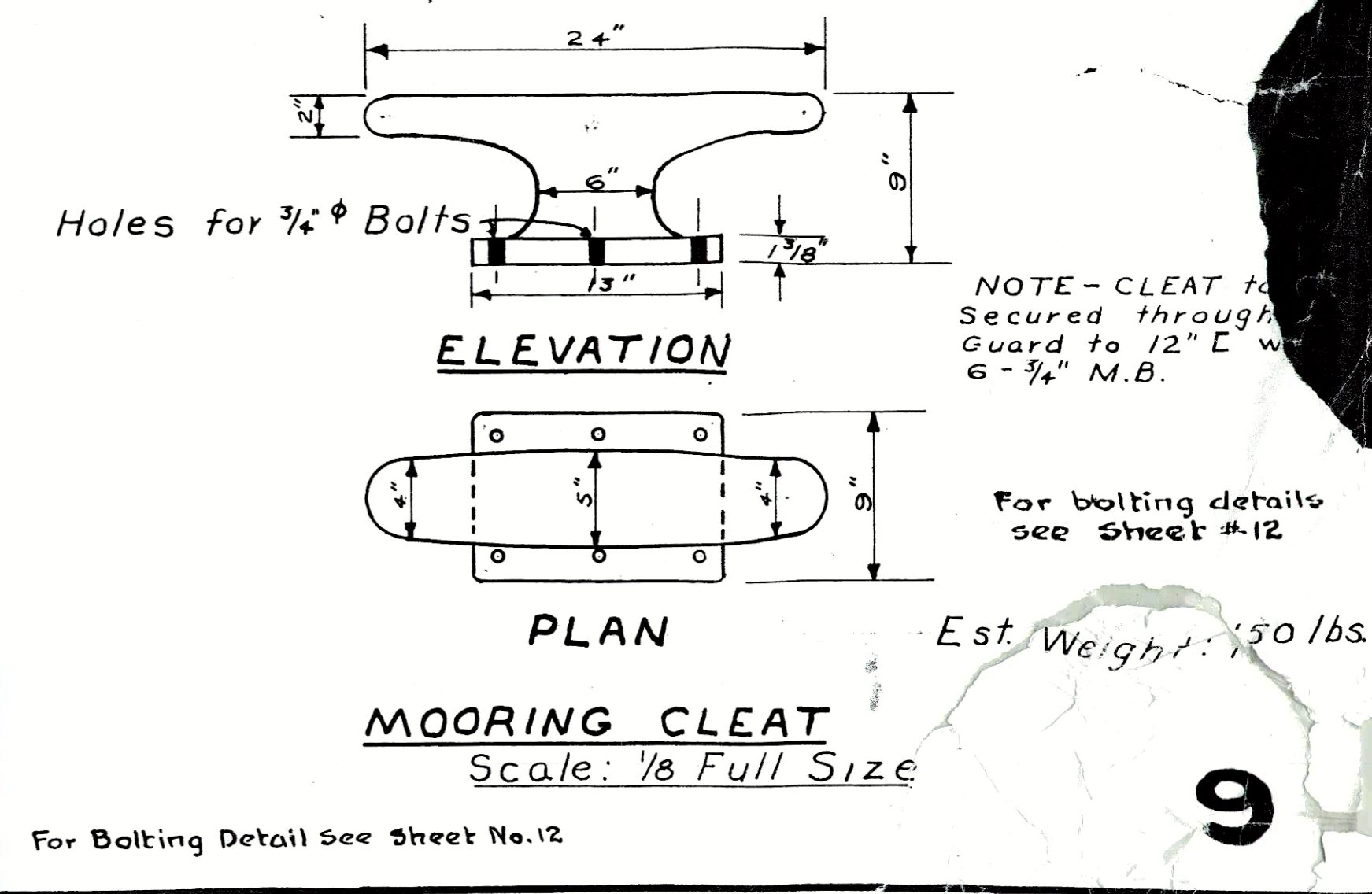
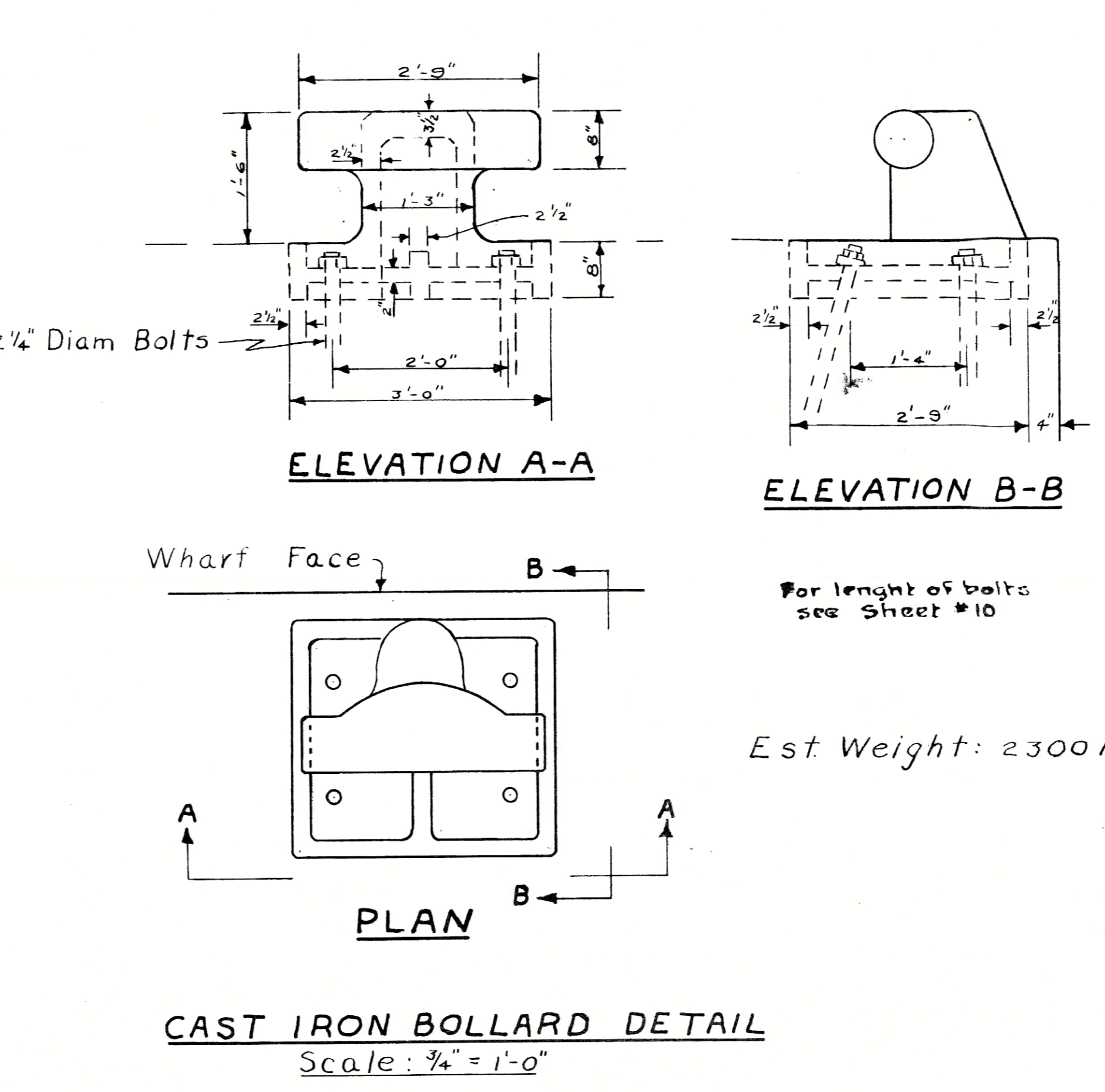
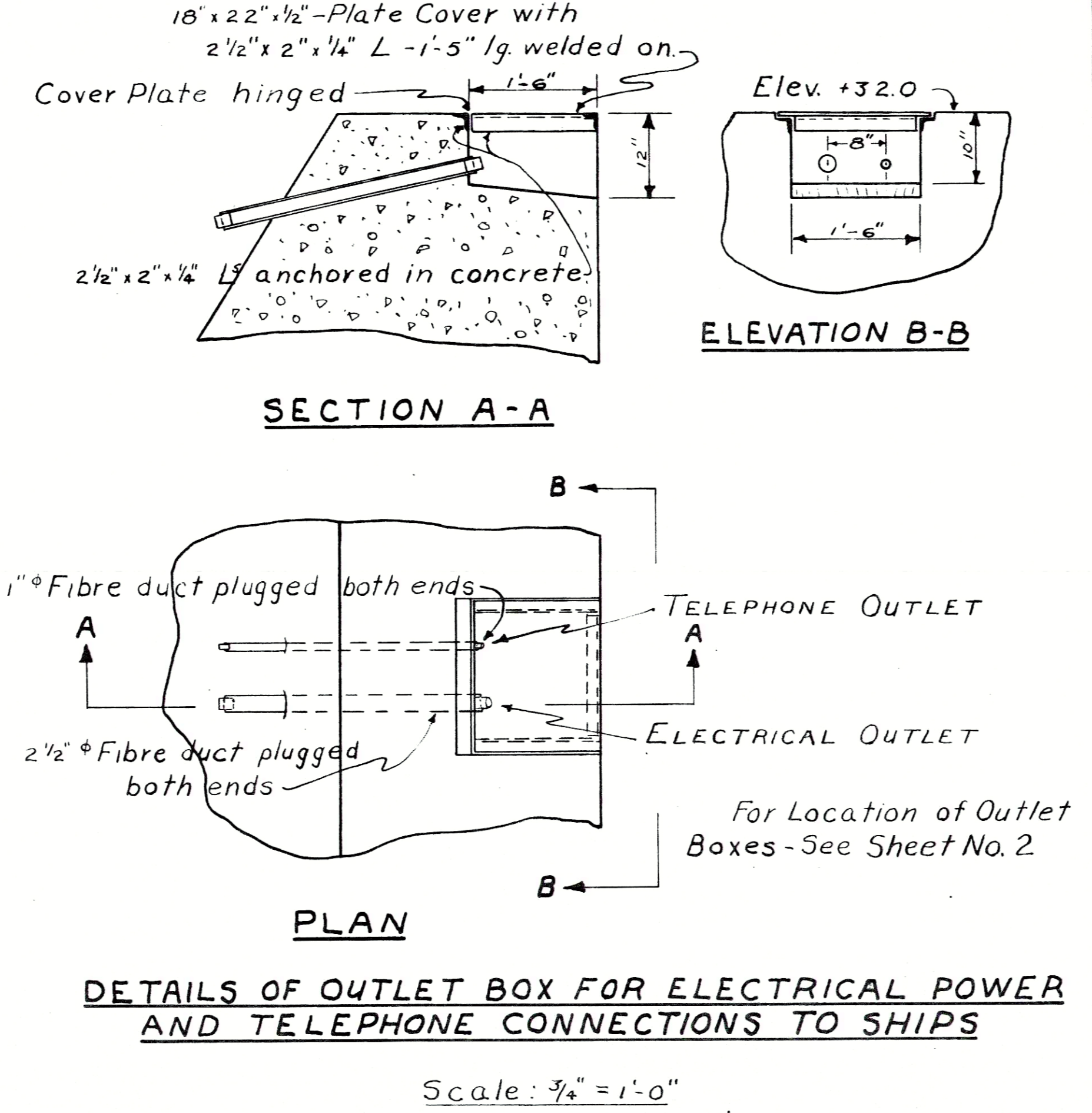
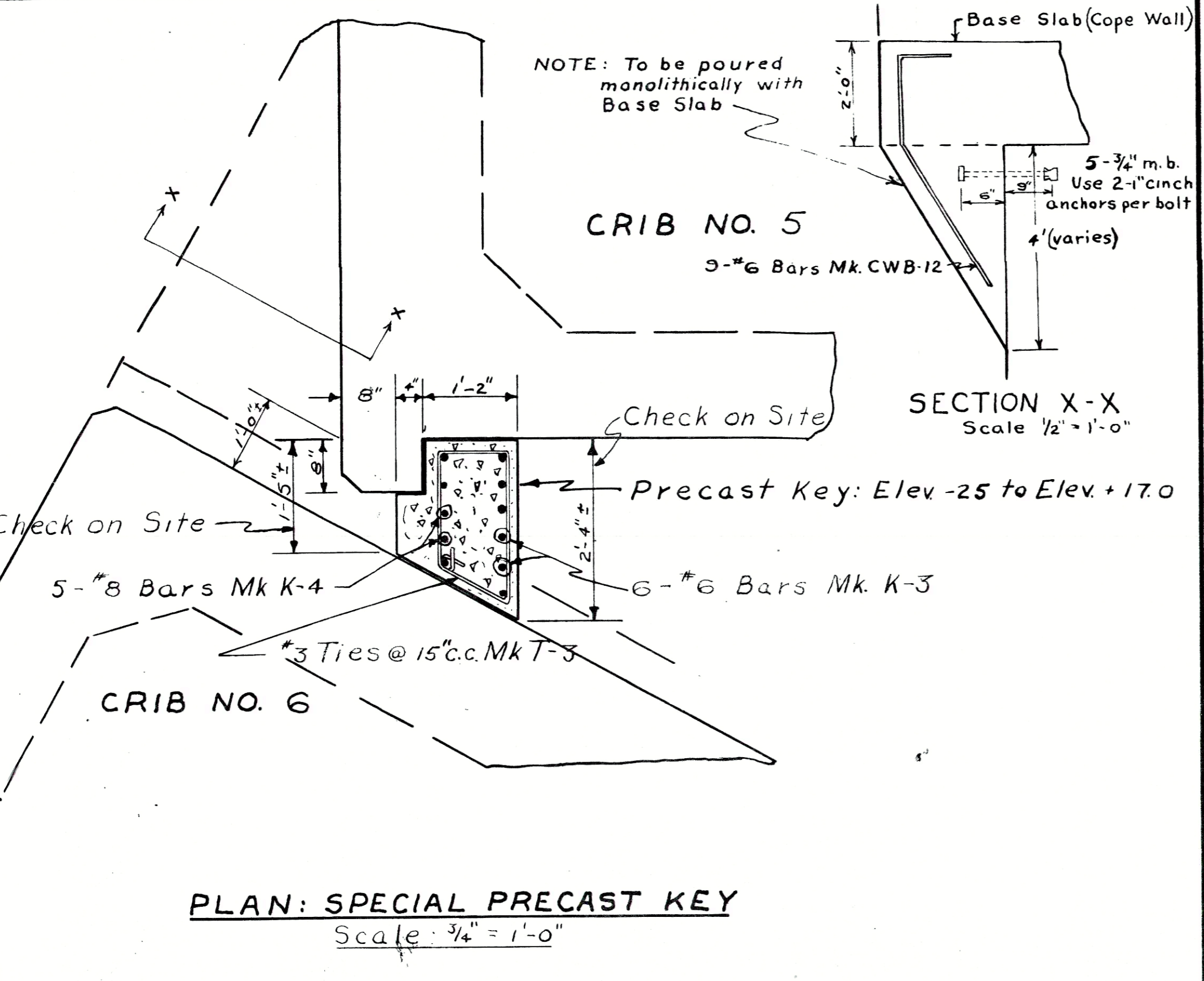
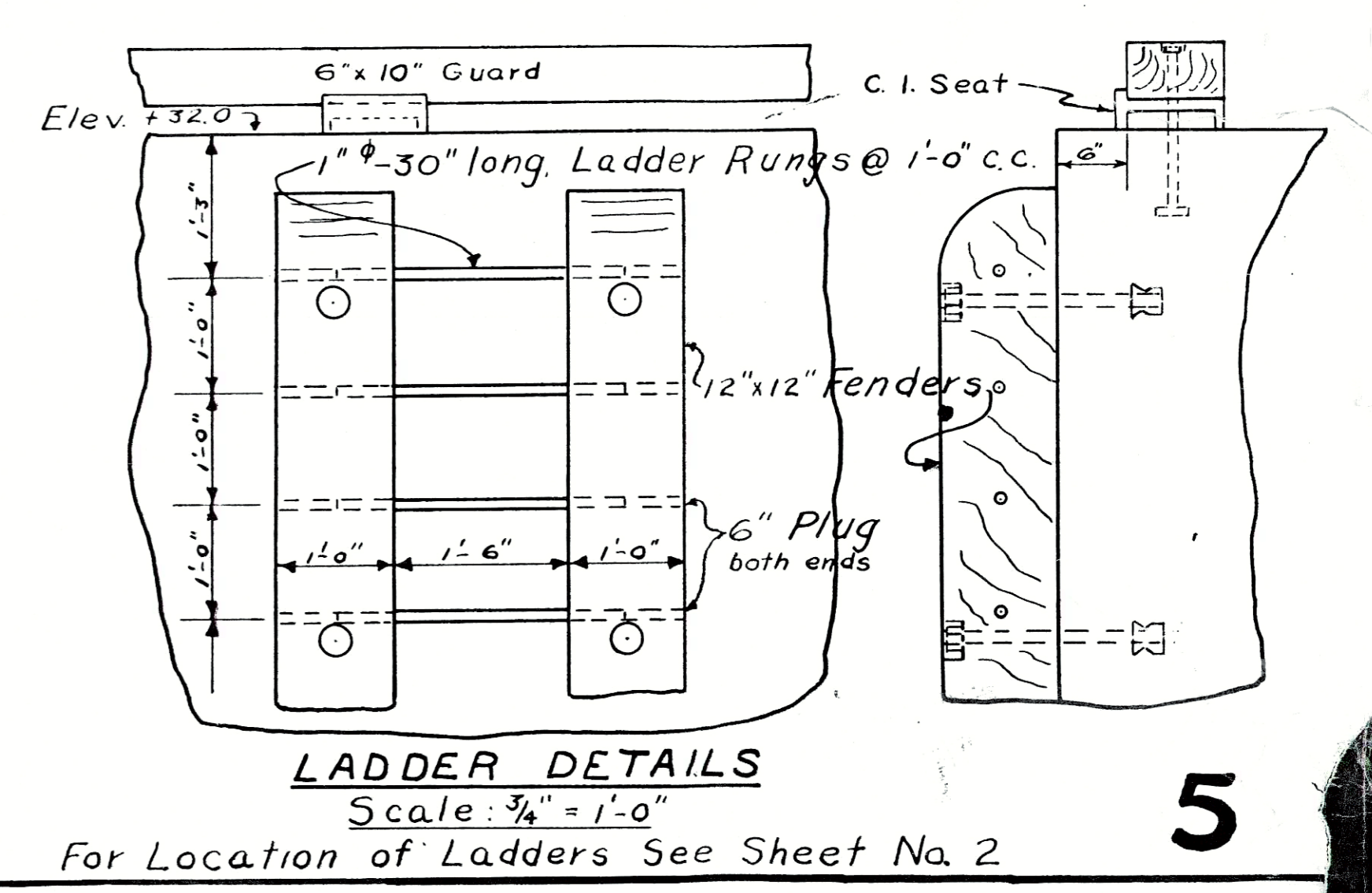
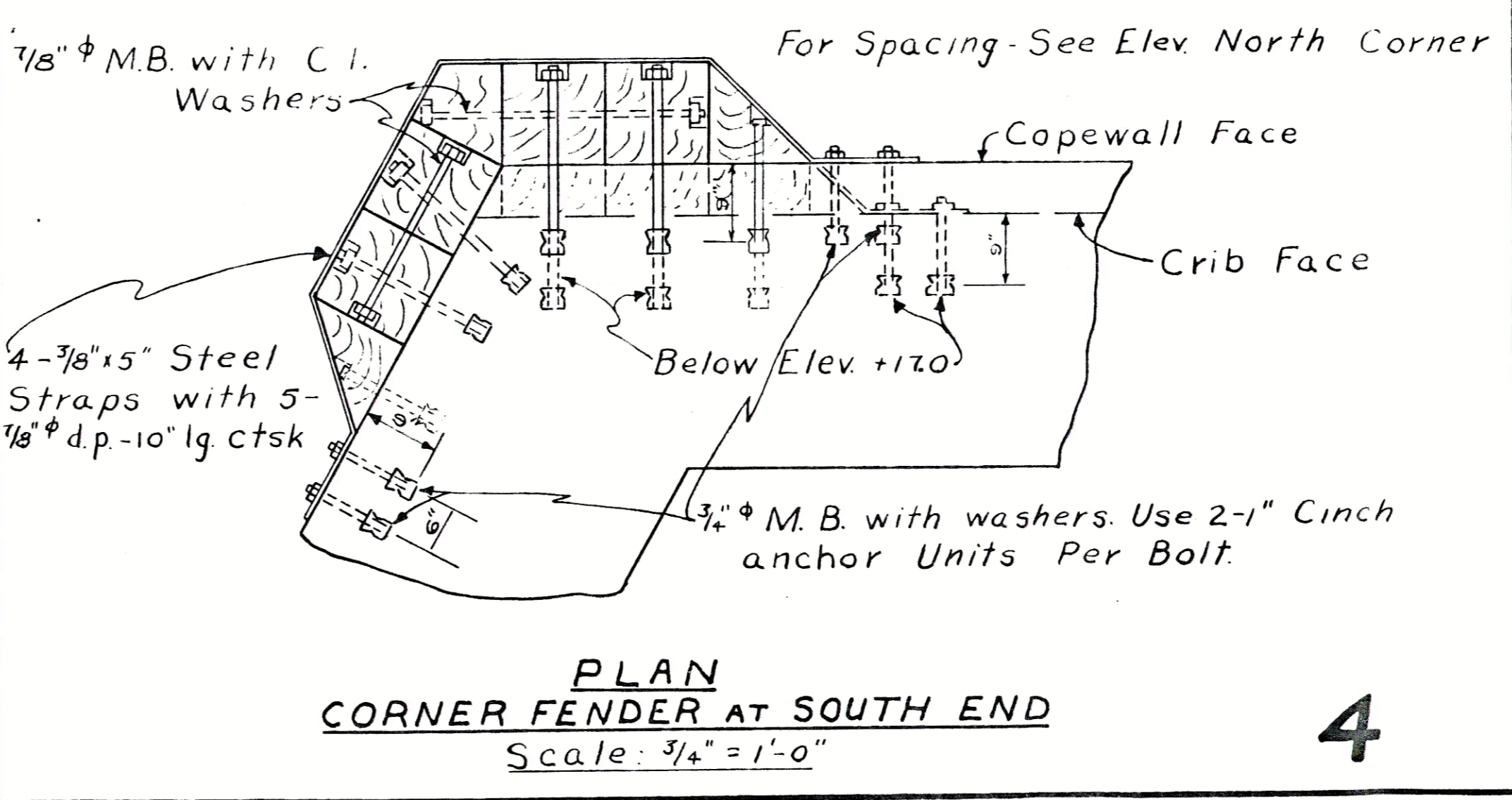
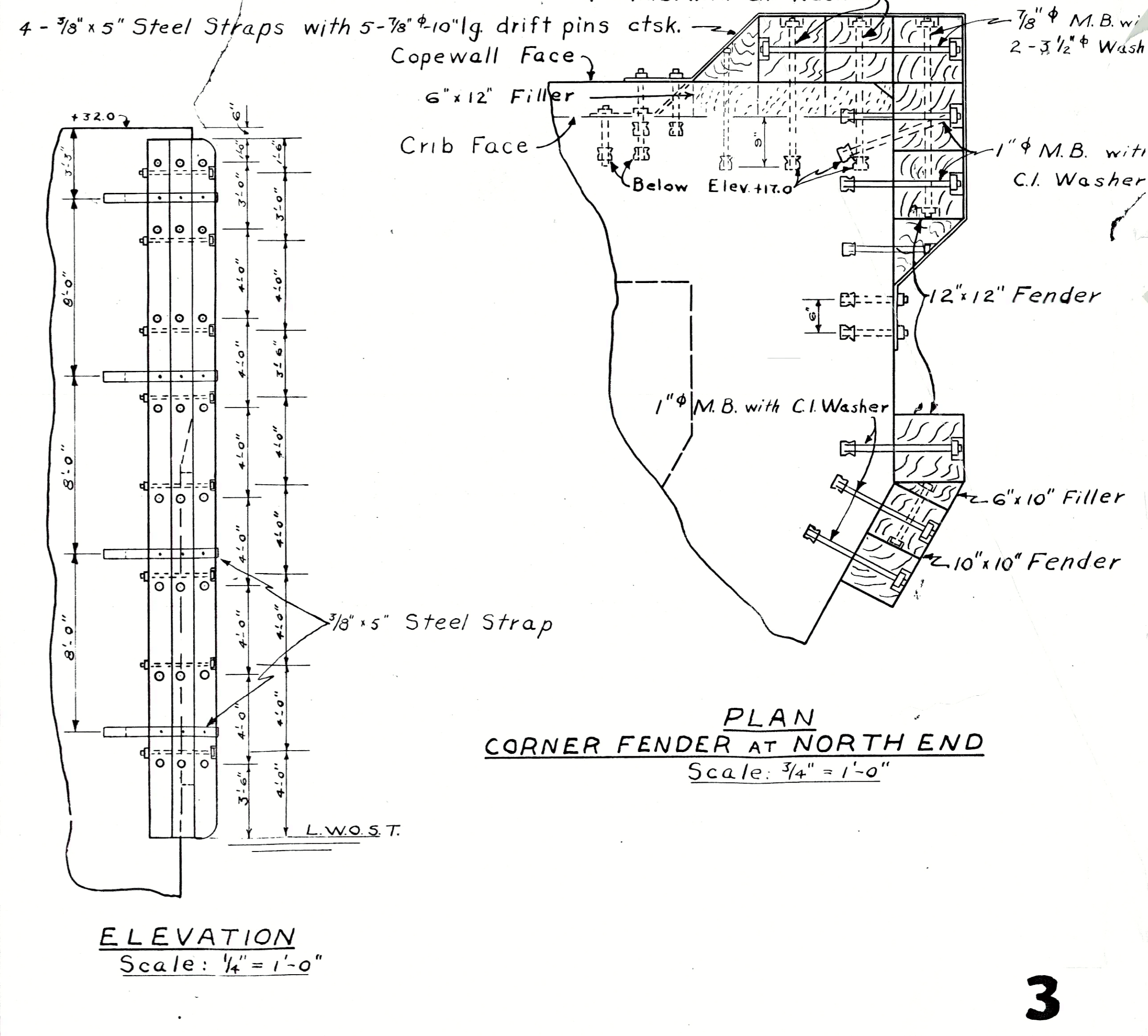
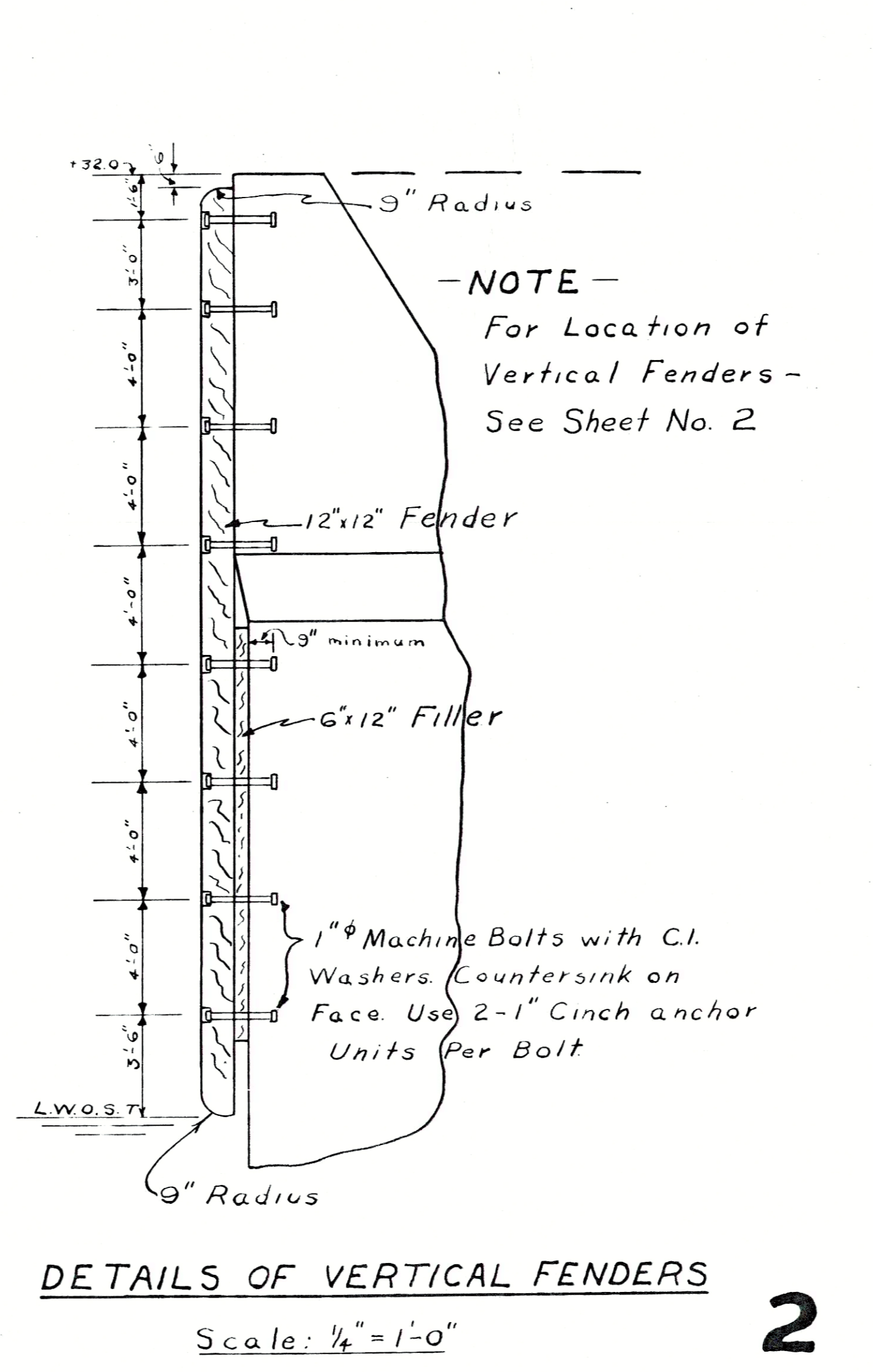
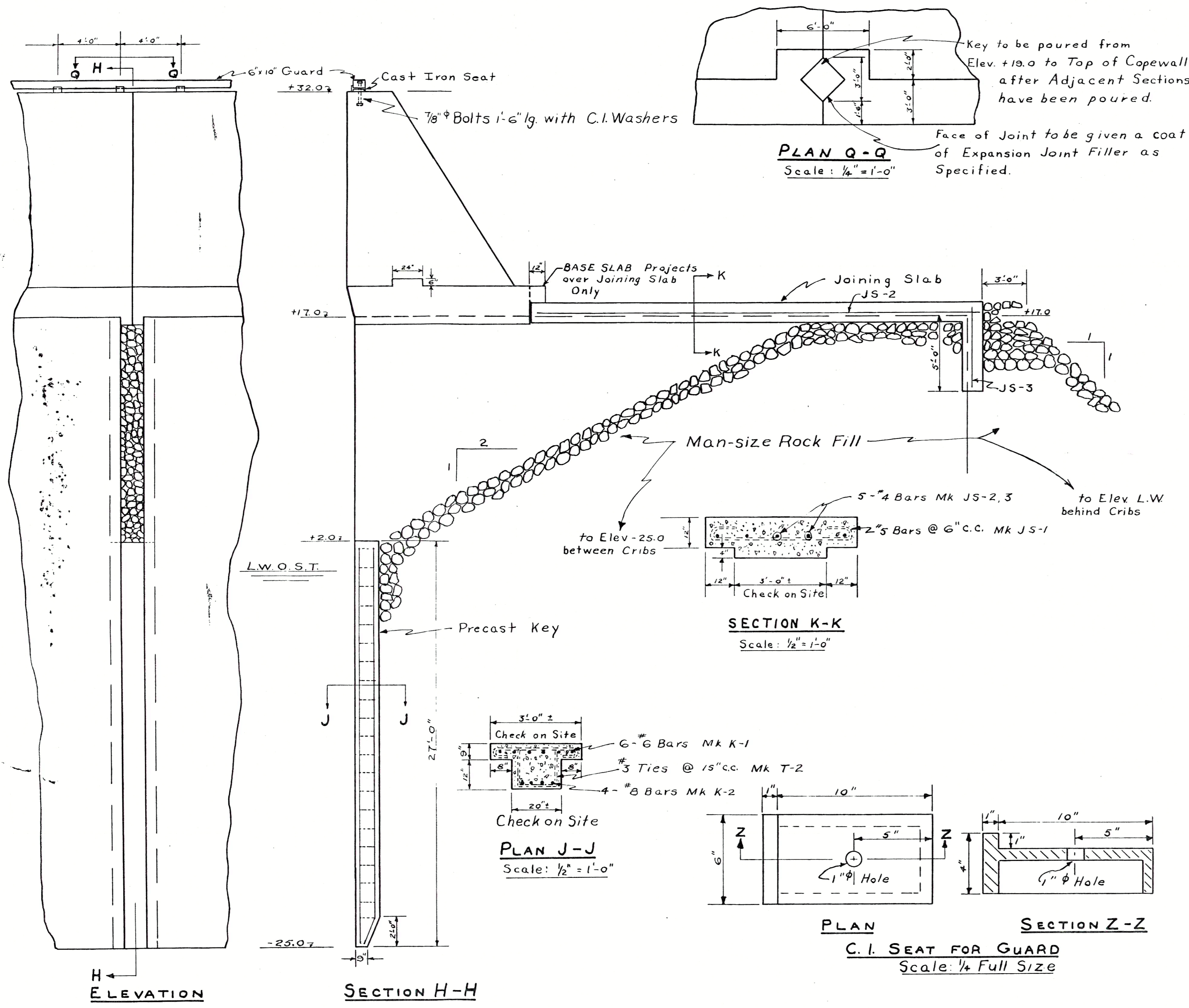
Scale: 1/2" = 1'-0"



PUBLIC WORKS OF CANADA
SAINT JOHN, N. B.
D.O.T. MARINE AGENCY WHARF
DETAILS - CONCRETE COPE WALL
Scales as noted SHEET 10 OF 13

Surveyed by *[Signature]* Drawn by *[Signature]* Examined by *[Signature]* 1/12/1957
 Designed by *[Signature]* APPROVED *[Signature]* 1/12/1957
 Verified by *[Signature]* Chief Engineer
 Saint John, N.B., October, 1957
 Certified Correct
 District Engineer P. Eng.
 Saint John Plan No. 3

PLAN No B-290

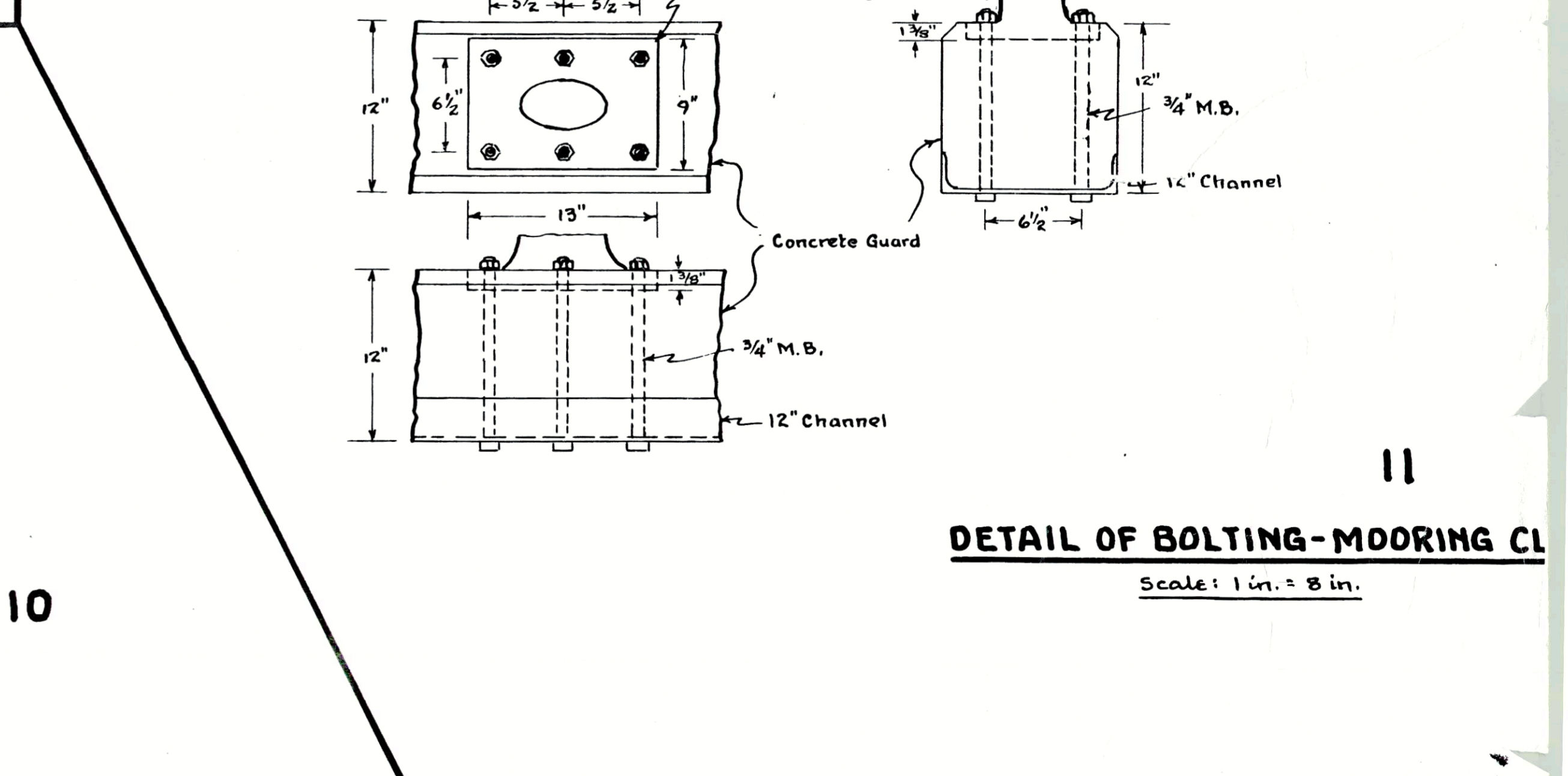
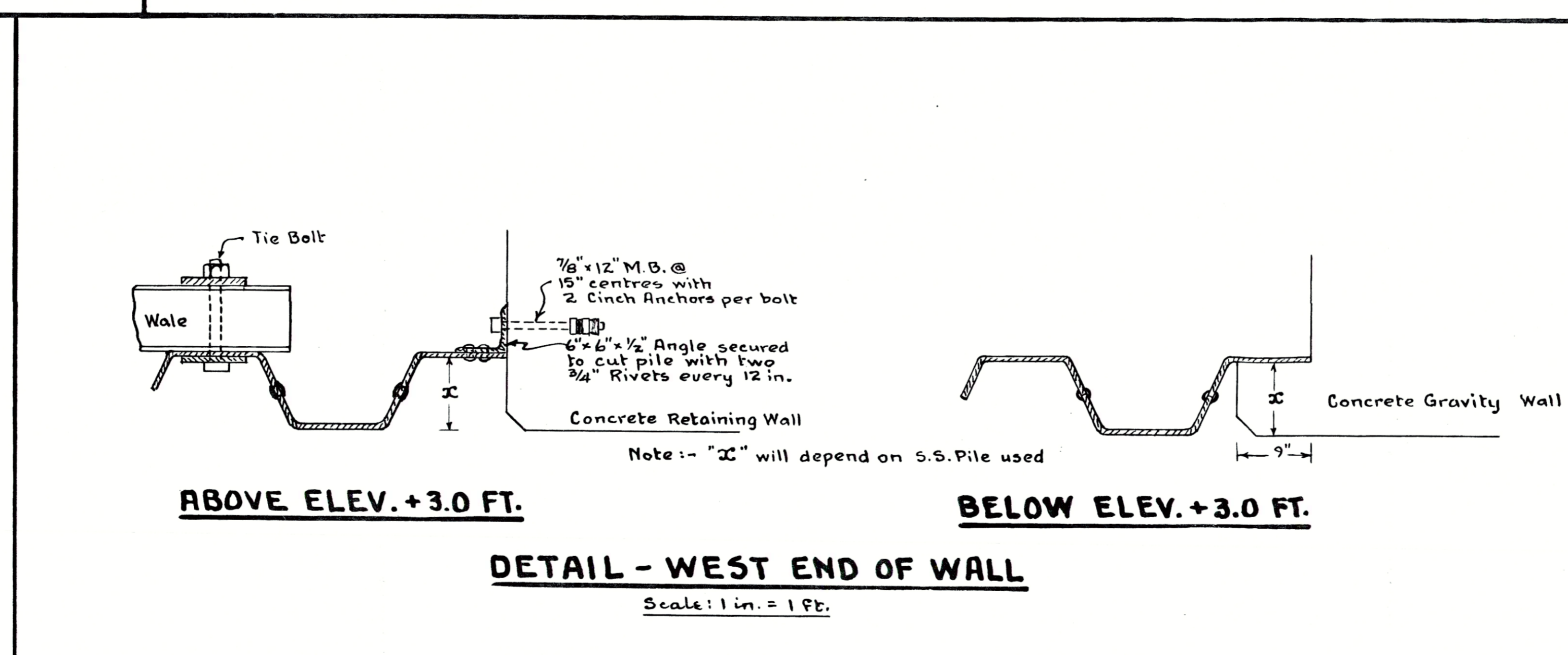
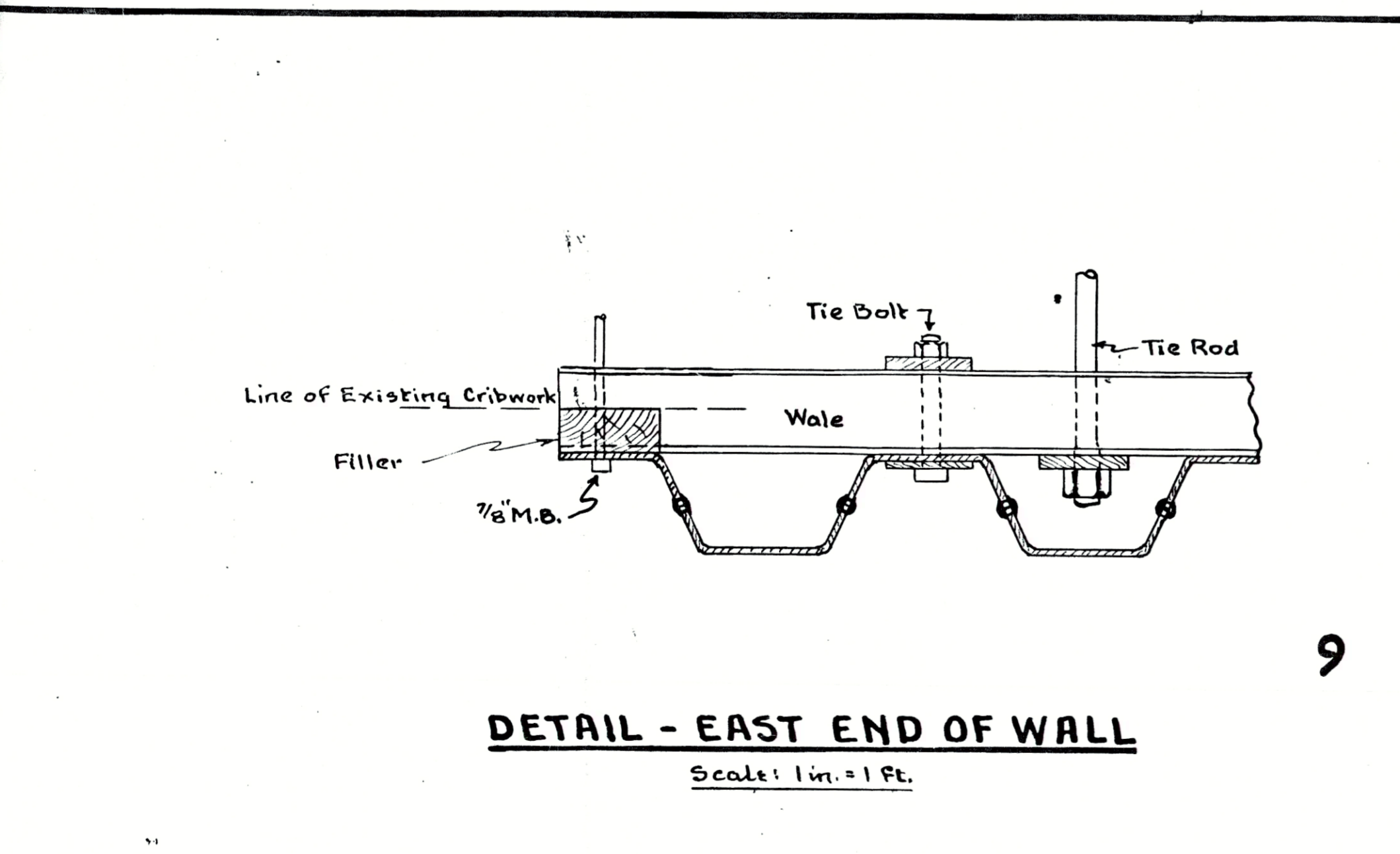
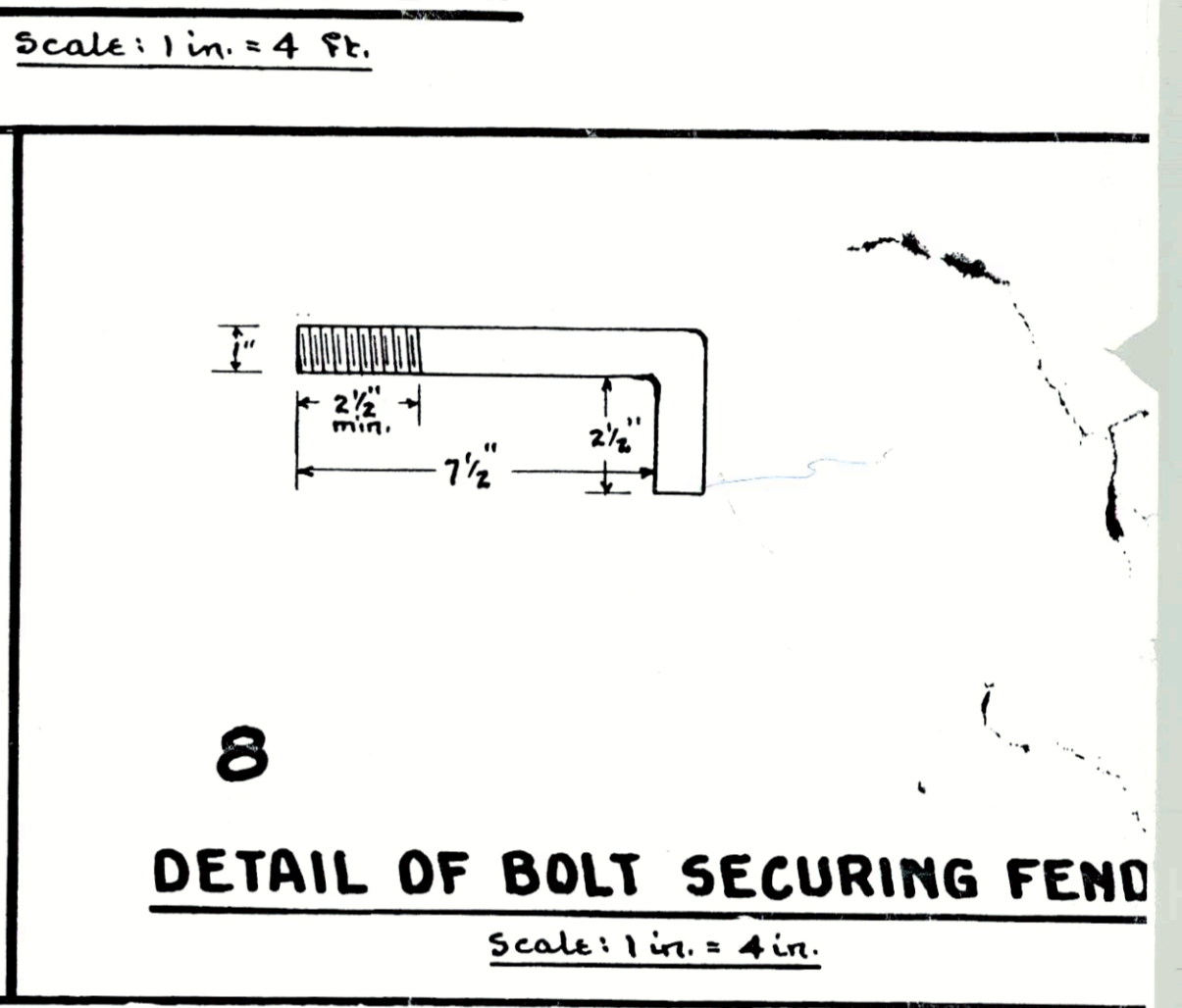
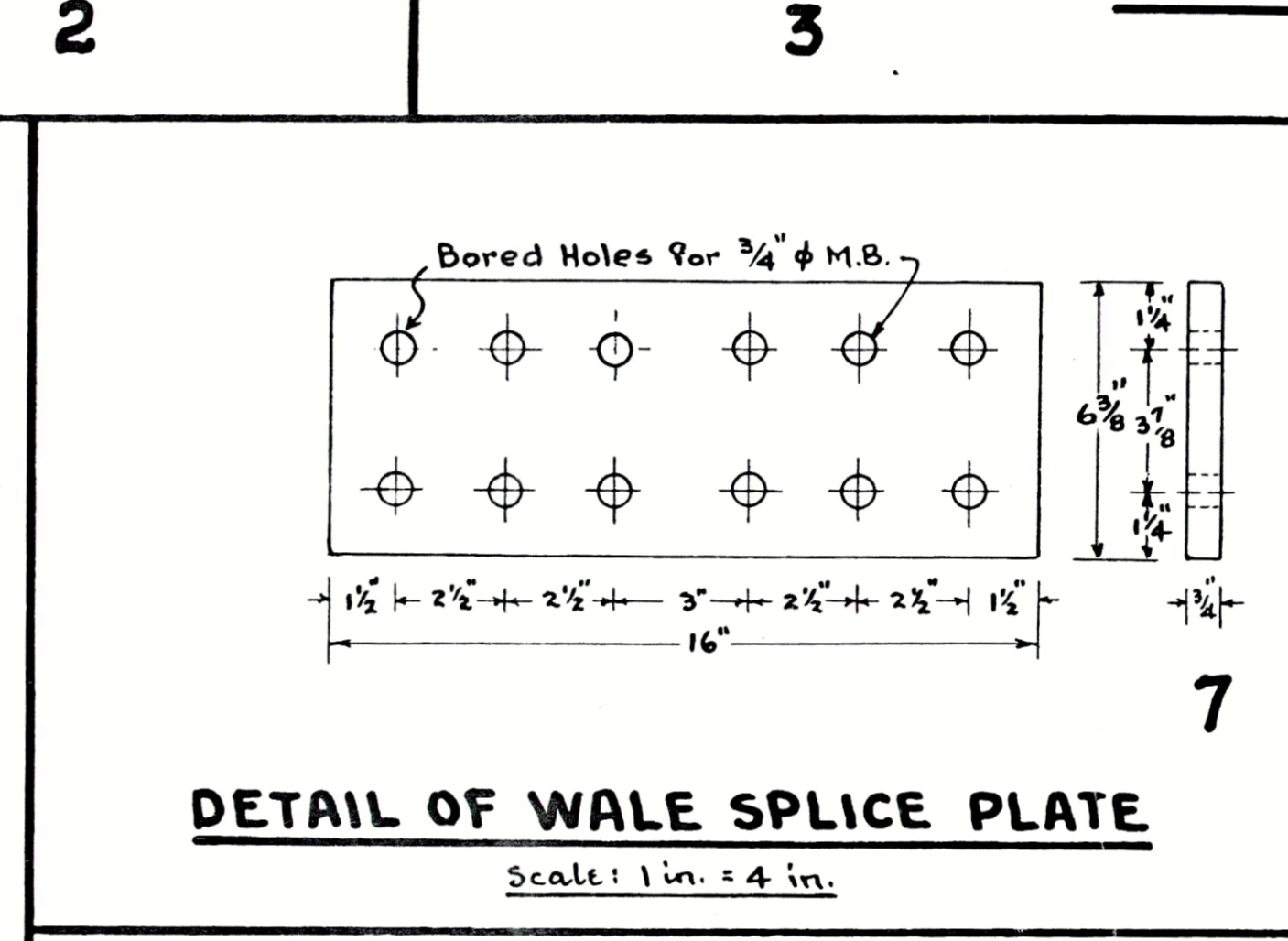
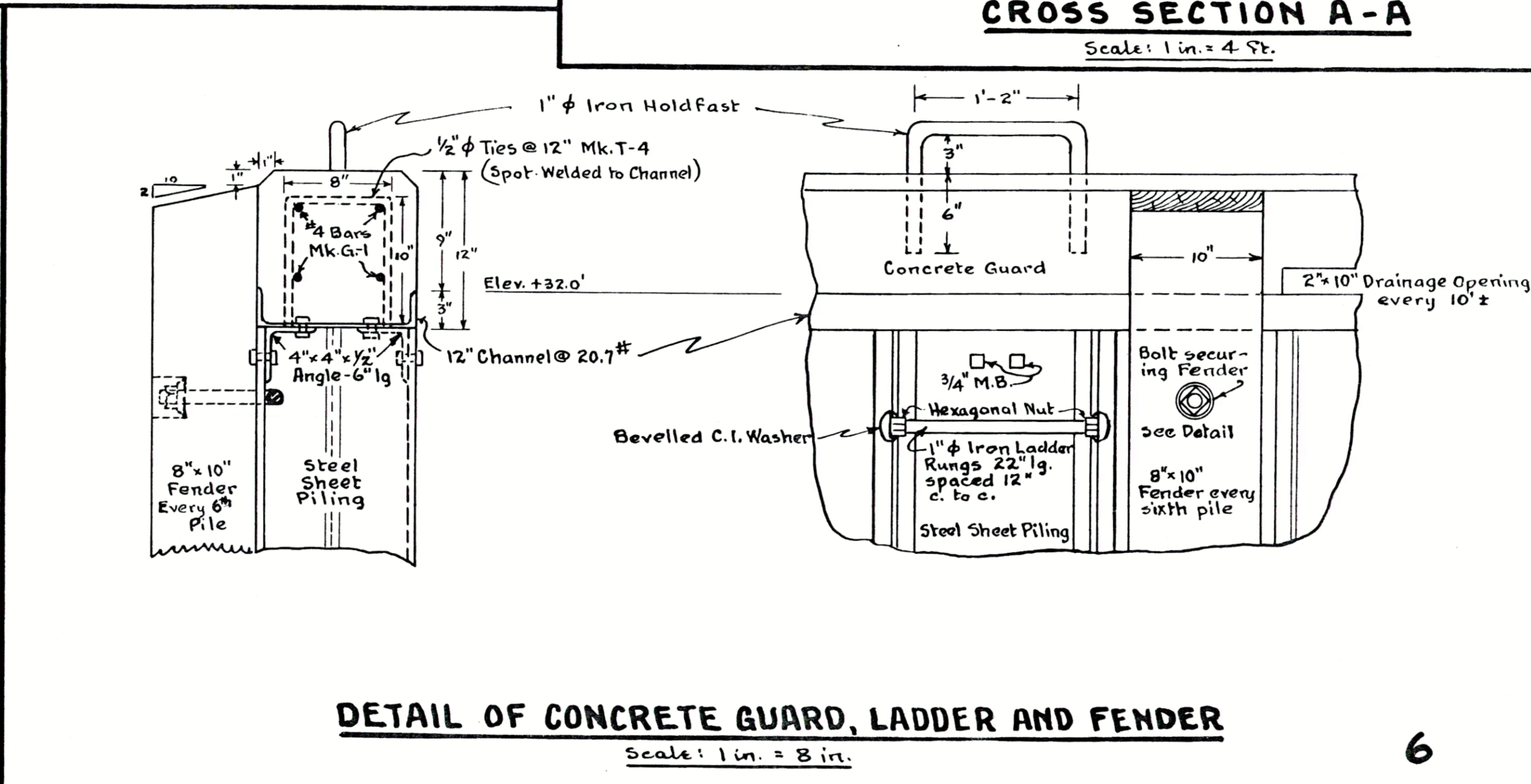
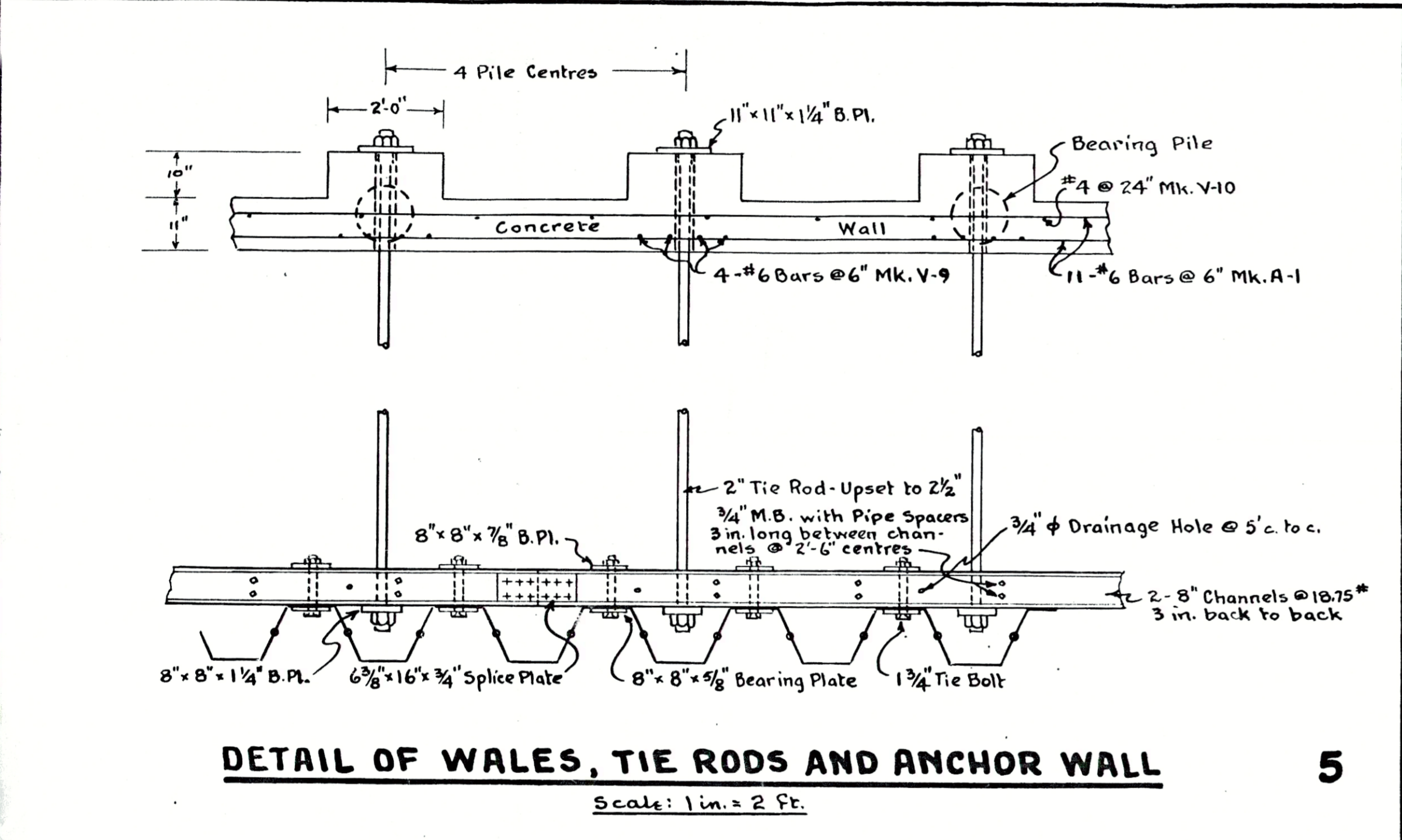
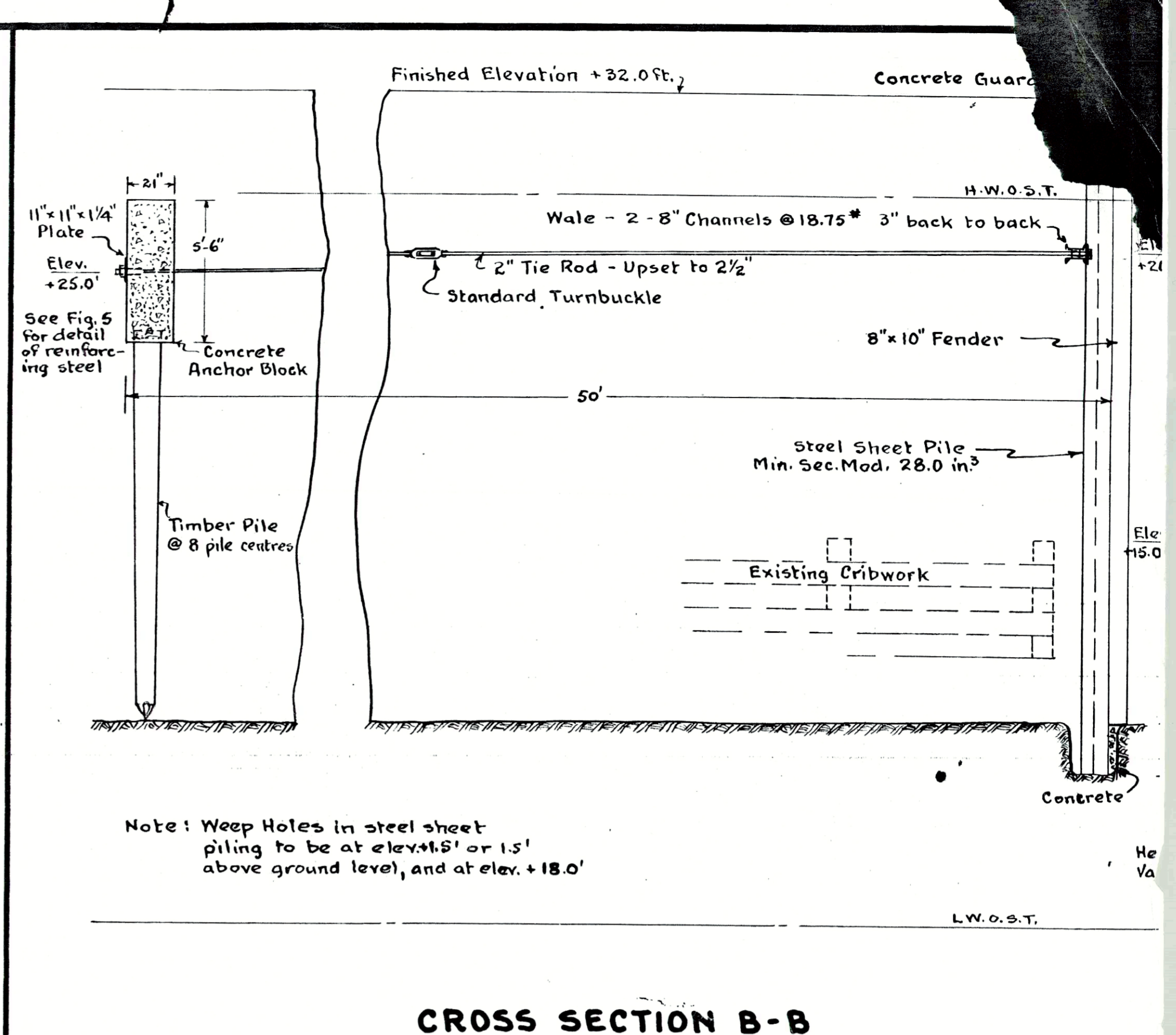
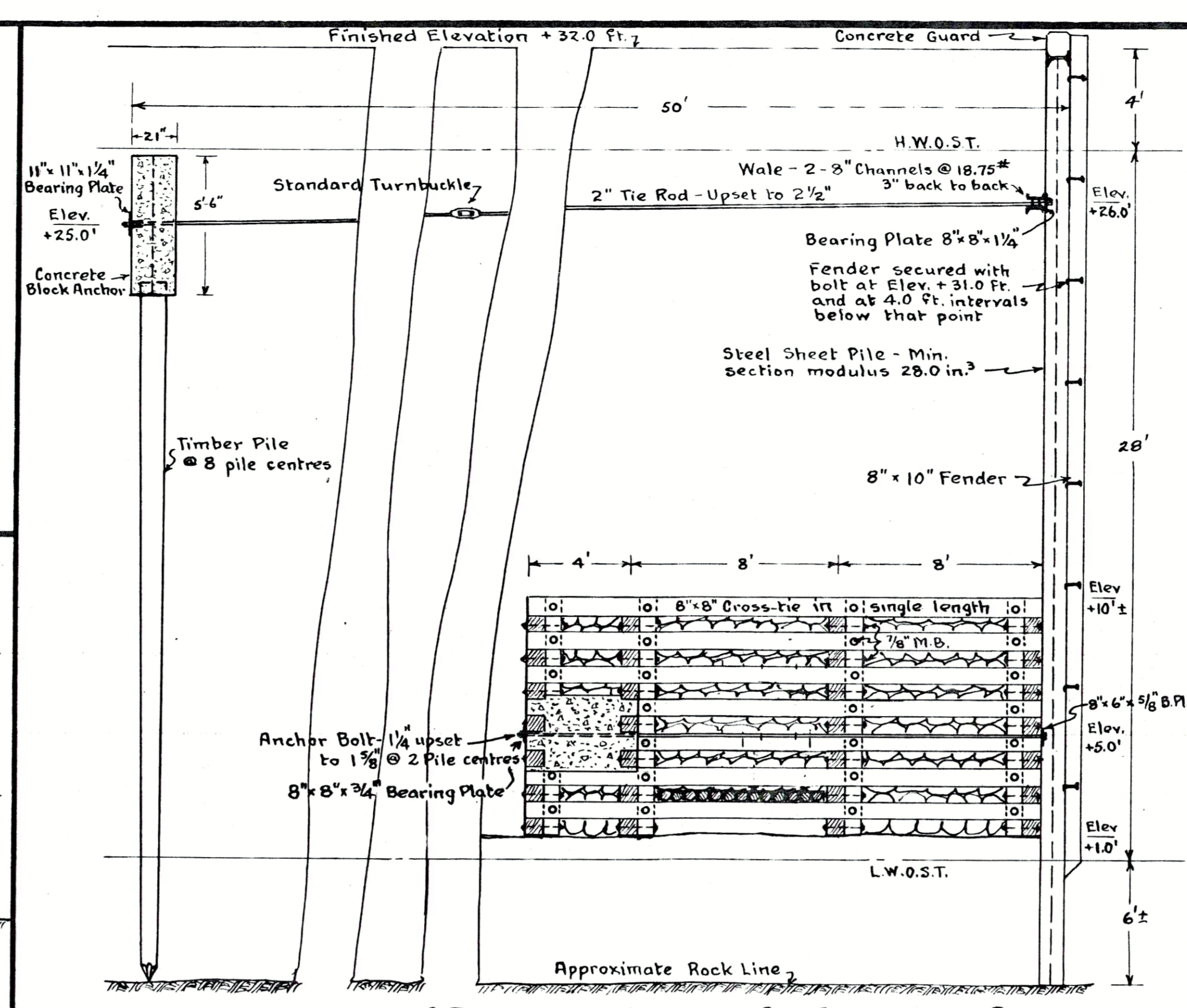
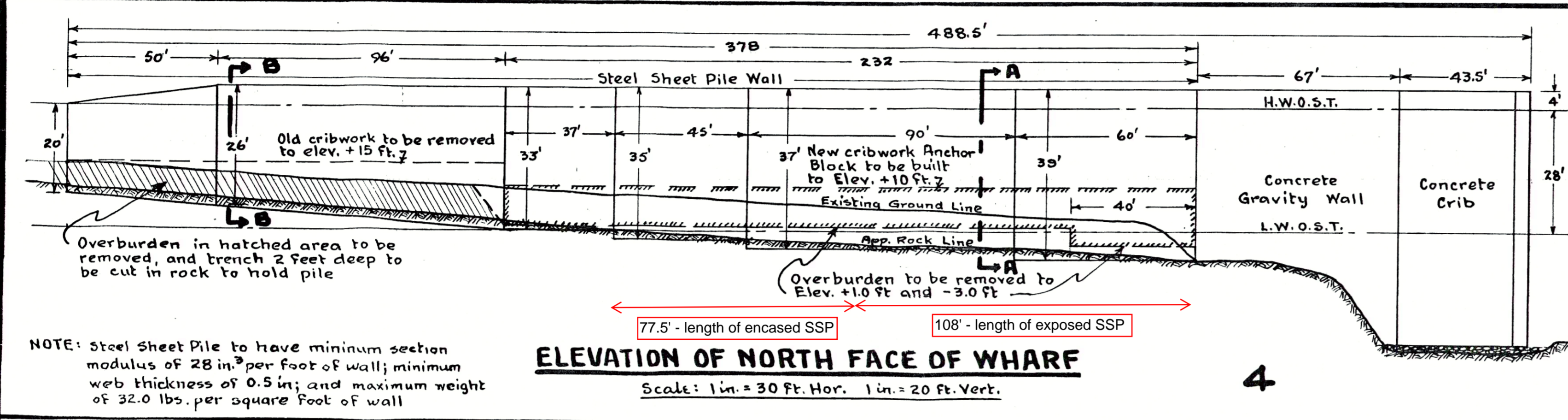
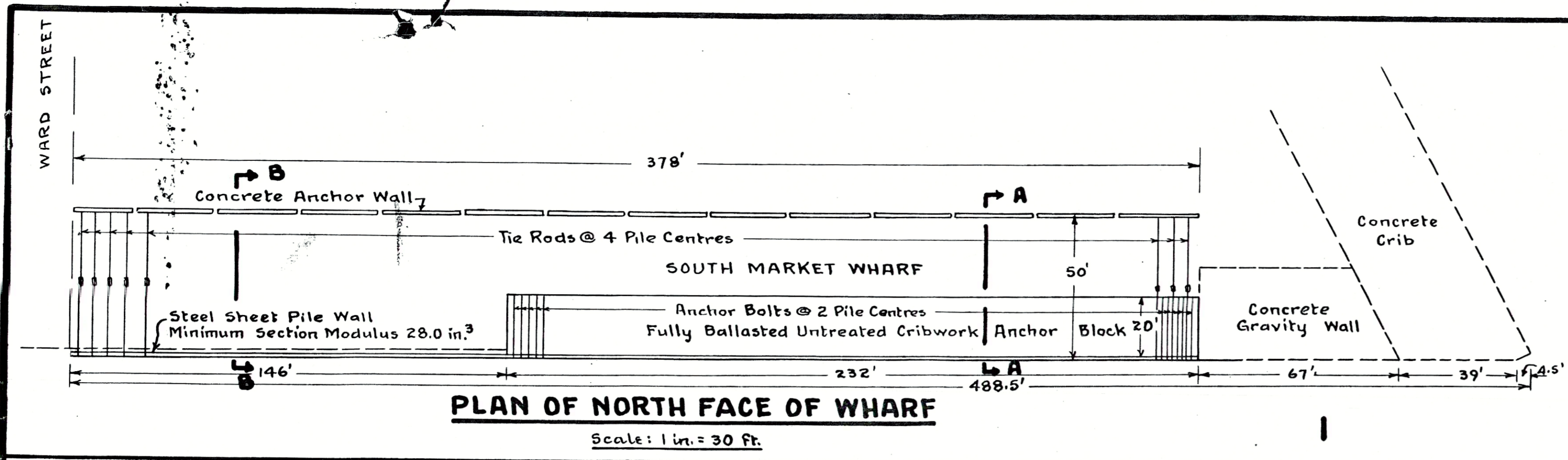


PUBLIC WORKS OF CANADA
SAINT JOHN N.B.
D.O.T. MARINE AGENCY WHARF
STANDARD DETAILS

Scale as noted Sheet 11 of 12

Surveyed by C.E. drawn by C.E. Examined by J.S. O'Hara
Designed by J.S. O'Hara APPROVED J.S. O'Hara
Verified by J.S. O'Hara
Saint John, N.B., October, 1957
Certified Correct
District Engineer P.Eng.

PLAN NO. B-29



PUBLIC WORKS OF CANADA
SAINT JOHN, N.B.
D.O.T. MARINE AGENCY WHARF
STEEL SHEET PILING - NORTH I
 Plan and Details
 Scales - As Noted SHEET 12
 Surveyed by G.C. Drawn by B.M. Examined by J. OTTAWA
 Designed by W.D. C. C. APPROVED 2500 N.B.S.
 Verified by [Signature] Chief Engineer
 Saint John, N.B., October, 1957
 Certified Correct.
 P. Eng.
PLAN No B-7

