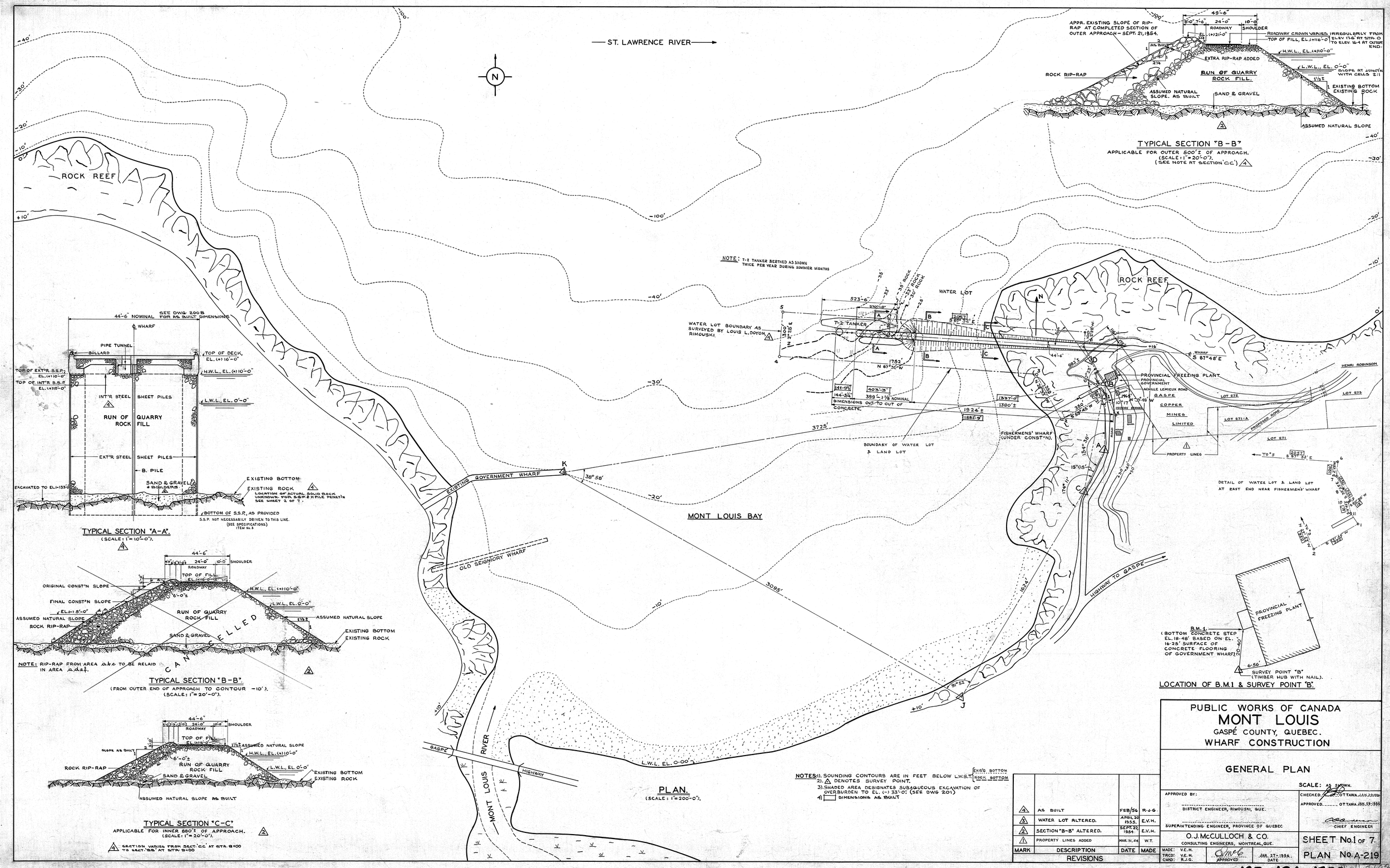
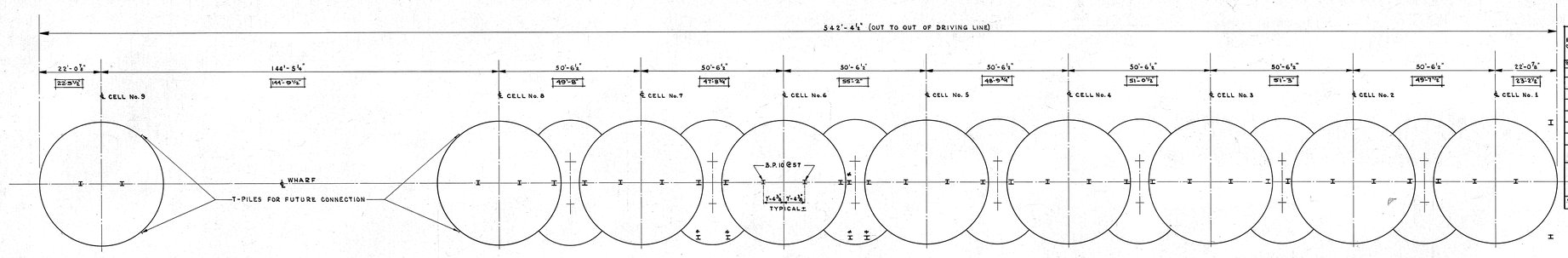

ST. LAWRENCE RIVER
ROCK REEF
MONT LOUIS BAY
EXISTING GOVERNMENT WHARF
OLD SEIGNIORY WHARF
HIGHWAY TO GASPÉ
GASPÉ HIGHWAY
MONT LOUIS RIVER
PLAN.
(SCALE: 1"=200'-0").
NOTE: T-2 TANKER BERTHED AS SHOWN TWICE PER YEAR DURING SUMMER MONTHS
WATER LOT BOUNDARY AS SURVEYED BY LOUIS L. DOYON, RIMOUSKI.
T-2 TANKER
WATER LOT
BOUNDARY OF WATER LOT & LAND LOT
FISHERMENS' WHARF (UNDER CONST'N).
PROVINCIAL FREEZING PLANT
PROVINCIAL GOVERNMENT
ACHILLE LEMIEUX ROAD
GASPE COPPER MINES LIMITED
PROPOSED ROAD
PROPERTY LINES
HENRI ROBINSON
LOT 872
LOT 873
LOT 871-A
LOT 871
DETAIL OF WATER LOT & LAND LOT AT EAST END NEAR FISHERMENS' WHARF
TYPICAL SECTION "A-A".
(SCALE: 1"=10'-0").
44'-6" NOMINAL SEE DWG. 200B FOR AS BUILT DIMENSIONS
℄ WHARF
PIPE TUNNEL
BOLLARD
TOP OF DECK, EL. (+) 16'-0"
H.W.L., EL. (+) 10'-0"
L.W.L., EL. 0'-0"
TOP OF EXT'R S.S.P. EL. (+) 10'-0"
TOP OF INT'R S.S.P. EL. (+) 10'-0"
INT'R STEEL SHEET PILES
RUN OF QUARRY ROCK FILL
EXT'R STEEL SHEET PILES
B. PILE
SAND & GRAVEL & BOULDERS
EXCAVATED TO EL. (-) 33'-0"
EXISTING BOTTOM
EXISTING ROCK
BOTTOM OF S.S.P. AS PROVIDED
S.S.P. NOT NECESSARILY DRIVEN TO THIS LINE. (SEE SPECIFICATIONS) ITEM No. 3
TYPICAL SECTION "B-B".
(FROM OUTER END OF APPROACH TO CONTOUR -10').
(SCALE: 1"=20'-0").
ORIGINAL CONST'N SLOPE
FINAL CONST'N SLOPE
ASSUMED NATURAL SLOPE
ROCK RIP-RAP
ASSUMED NATURAL SLOPE
NOTE: RIP-RAP FROM AREA abc TO BE RELAID IN AREA adef.
TYPICAL SECTION "C-C".
APPLICABLE FOR INNER 880'± OF APPROACH.
(SCALE: 1"=20'-0").
SECTION VARIES FROM SECT. 'CC' AT STA. 8+00 TO SECT. 'BB' AT STA. 9+00
ROADWAY
SHOULDER
TOP OF FILL
SLOPE AS BUILT
ASSUMED NATURAL SLOPE AS BUILT
TYPICAL SECTION "B-B"
APPLICABLE FOR OUTER 600'± OF APPROACH.
(SCALE: 1"=20'-0").
(SEE NOTE AT SECTION 'CC')
APPR. EXISTING SLOPE OF RIP-RAP AT COMPLETED SECTION OF OUTER APPROACH - SEPT. 21, 1954.
ROADWAY CROWN VARIES IRREGULARLY FROM ELEV. 17.6' AT STA. 0 TO ELEV. 16.4 AT OUTER END.
TOP OF FILL, EL. (+) 16'-0"
EXTRA RIP-RAP ADDED
RUN OF QUARRY ROCK FILL.
SAND & GRAVEL
EXISTING BOTTOM EXISTING ROCK
SLOPE AT JUNCTN WITH CELLS 2:1
PROVIDED FREEZING PLANT
B.M.1 (BOTTOM CONCRETE STEP EL. 18.48' BASED ON EL. 16.28' SURFACE OF CONCRETE FLOORING OF GOVERNMENT WHARF)
SURVEY POINT "B" (TIMBER HUB WITH NAIL).
LOCATION OF B.M.1 & SURVEY POINT "B".
NOTES: 1). SOUNDING CONTOURS ARE IN FEET BELOW L.W.S.T.
2). △ DENOTES SURVEY POINT.
3). SHADED AREA DESIGNATES SUBAQUEOUS EXCAVATION OF OVERBURDEN TO EL. (-) 33'-0". (SEE DWG 201)
4). ▭ DIMENSIONS AS BUILT
PUBLIC WORKS OF CANADA
MONT LOUIS
GASPÉ COUNTY, QUEBEC.
WHARF CONSTRUCTION
GENERAL PLAN
SCALE: AS SHOWN.
APPROVED BY:
DISTRICT ENGINEER, RIMOUSKI, QUE.
SUPERINTENDING ENGINEER, PROVINCE OF QUEBEC
CHECKED. OTTAWA JAN 23 1956
APPROVED. OTTAWA JAN 23 1956
CHIEF ENGINEER
O.J. McCULLOCH & CO.
CONSULTING ENGINEERS, MONTREAL, QUE.
MADE: V.E.H.
TRCD: V.E.H.
CHKD: R.J.G.
APPROVED
JAN. 27 - 1956.
DATE
SHEET No. 1 of 7.
PLAN No. A-219
125-184-1754
MARK | DESCRIPTION | DATE | MADE
△ AS BUILT | FEB/56 | R.J.G.
△ WATER LOT ALTERED. | APRIL 20 1955. | E.V.H.
△ SECTION "B-B" ALTERED. | SEPT. 23 1954 | E.V.H.
△ PROPERTY LINES ADDED | MAR. 31, 54 | W.T.
REVISIONS



P L A N

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

"AS BUILT" DIMENSIONS

BILL OF 10 @ 57 BEARING PILES

	CELL No.	LENGTH	No. USED	LINEAL FT.
EAST END OF CELL ONE		55	2	110
BETWEEN CELLS	1	49'	2	98
1 & 2	2	50.32	1 EA.	102
2 & 3	3	50	2	100
		53.60	1 EA.	113
3 & 4	4	51	2	102
		52.60	1 EA.	112
4 & 5	5	51	2	102
		52	2	104
5 & 6	6	52	2	104
		52	2	104
6 & 7	7	46.48	1 EA.	94
		51.56	1 EA.	103
7 & 8	8	56	2	112
		55.56	1 EA.	111
	9	60	2	120
		54'	2	108
TOTAL No.			34	1804
TOTAL LINEAL FEET				1804
TOTAL WEIGHT: 53.00 TONS				

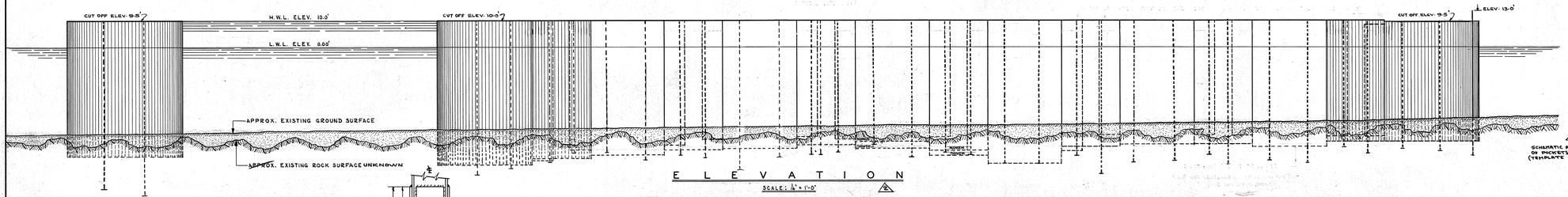
⊛ NOT INCLUDED IN PAY QUANTITIES.

BILL OF STEEL SHEET PILING

CELL No.	1		2		3		4		5		6		7		8		9		SUB TOTALS				
WEB THICK'S	3/8"	1/2"	3/8"	1/2"	3/8"	1/2"	3/8"	1/2"	3/8"	1/2"	3/8"	1/2"	3/8"	1/2"	3/8"	1/2"	3/8"	1/2"	PIECES		LINEAL FT.		WEIGHT IN TONS
PILE LGTH	No. OF PIECES																		3/8"	1/2"	3/8"	1/2"	3/8" & 1/2"
42'		28																	28		1176		181
43'																							
44'				56		56					24								136		5984		918
45'									28		28								56		2520		387
46'	31	75								28		4							31	107	1426	4922	219	948
47'																							
48'					80		80			28		5		20						225		10704		1951
49'												40								40		1960		345
50'								56			48	32	28						84	80	4200	4000	645	746
51'																		102		102		5202		1971
52'																								
53							52						48	28	A				28	80	1484	4160	22.3	715
54							48				1		32							85		4590		855
56													B		72					80		4480		854
TOTAL NUMBER OF PIECES																			363	797				
TOTAL LINEAL FEET																					16762	40018		
TOTAL WEIGHT IN TONS																							2573	7463

BILL OF TEES

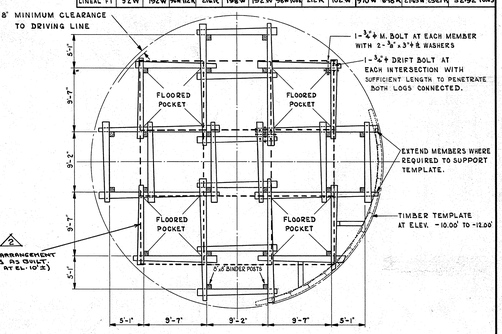
CELL No.	1	2	3	4	5	6	7	8	9	TOTALS	WEIGHT "T"	TOTAL WT.
LENGTH	46W	48W	48W 55R	52R 55R	49W 50W	48W	49W 54R	52R 54R	51W			
No. REQ'D	16-½"×3½"×3½"	16-½"×3½"×3½"	16-½"×3½"×3½"	16-½"×3½"×3½"	16-½"×3½"×3½"	16-½"×3½"×3½"	16-½"×3½"×3½"	16-½"×3½"×3½"	16-½"×3½"	16-½"×3½"		
LINEAL FT	92W	192W	96W 112R	224R	198W	192W	96W 108R	216R	102W	970W 648R	2345W 2523R	52.92 TONS



E L E V A T I O N

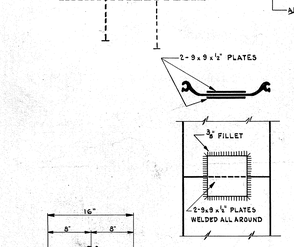
SCALE: 1/4" = 1'-0"

SCHEMATIC ARRANGEMENT OF POCKETS AS BUILT (TEMPLATE AT EL. 10.5')

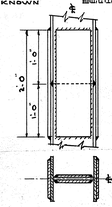


PLAN OF TYPICAL TIMBER CRIB TO SUPPORT S.S.P. TEMPLATES

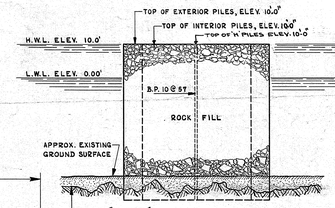
SCALE: 1/4" = 1'-0"



DETAIL OF TYPICAL SPLICE FOR STEEL SHEET PILING

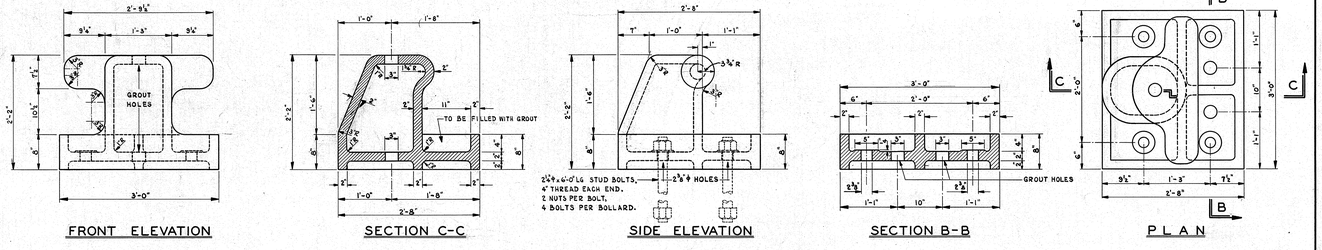


TYPICAL "H" PILE SPLICE (⅜"×8"×8") (1"=1'-0") ⅜" WELDS



TYPICAL SECTION

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

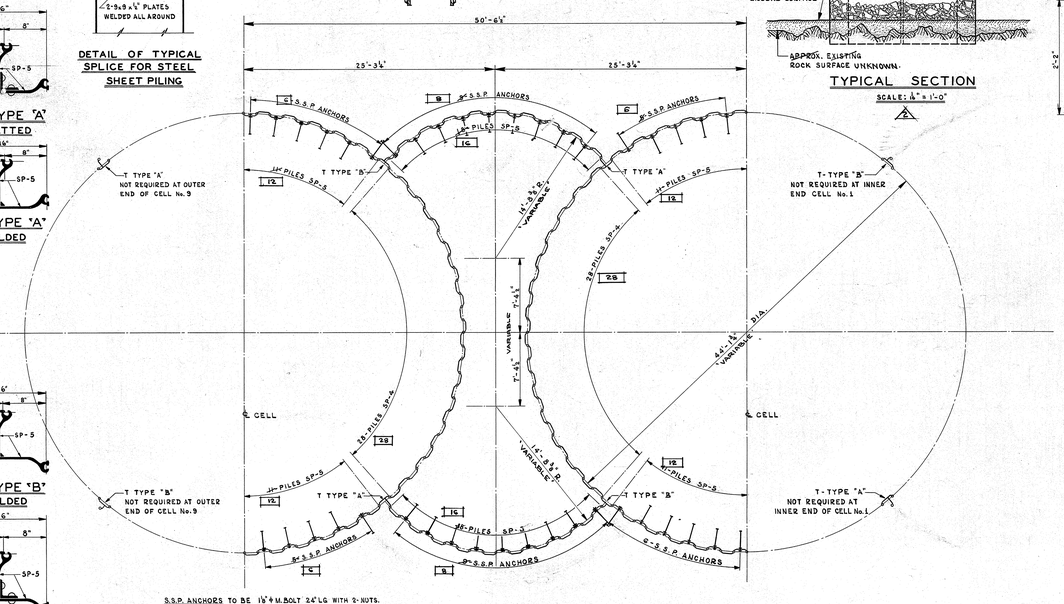


DETAILS OF CAST IRON BOLLARD

TYPE 2

8-REQUIRED

SCALE: 1" = 1'-0"



S.S.P. ANCHORS TO BE 1⅛"φ M. BOLT 24" LG WITH 2-NUTS. OR 1⅛"φ STUD BOLT 24" LG WITH 3-NUTS.

CELL 1	WITH REQ'D	36 REQ'D
CELL 2-7	" "	240 "
CELL 8	"	22 "
CELL 9	"	22 "
TOTAL No. REQ'D		320

@ 8.1# EACH = 2592 LBS

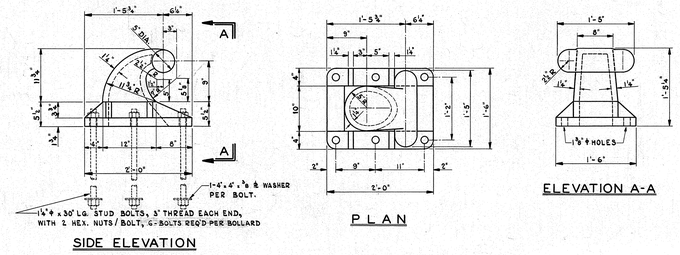
P L A N

TYPICAL S.S.P. CELL DETAILS

AS BUILT QUANTITY

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

FOR DIMENSIONS AS BUILT SEE SHEET 2005



SIDE ELEVATION

PLAN

ELEVATION A-A

DETAILS OF CAST IRON BOLLARD

TYPE 1

10-REQUIRED

SCALE: 1" = 1'-0"

MARK	DESCRIPTION	DATE	MADE
2	AS BUILT	FEB/56	R.J.G.
1	DIMENSIONS TEE TYPE "A" & "B" CORRECTED	APRIL 14/54	R.P.

REVISIONS

PUBLIC WORKS OF CANADA

MONT LOUIS

GASPÉ COUNTY, QUEBEC.

WHARF CONSTRUCTION

STEEL SHEET PILING AND MISCELLANEOUS

SCALE: AS SHOWN.

APPROVED BY:

DISTRICT ENGINEER, RIMOUSKI, QUE.

SUPERINTENDING ENGINEER, PROVINCE OF QUEBEC

CHECKED: OTTAWA JAN. 23-1956

APPROVED: OTTAWA, JAN. 23-1956

CHIEF ENGINEER

O. J. McCULLOCH & CO.

CONSULTING ENGINEERS, MONTREAL, QUE.

MADE: R.P.
TRCD: R.P.
CHKD: R.J.G.

APPROVED

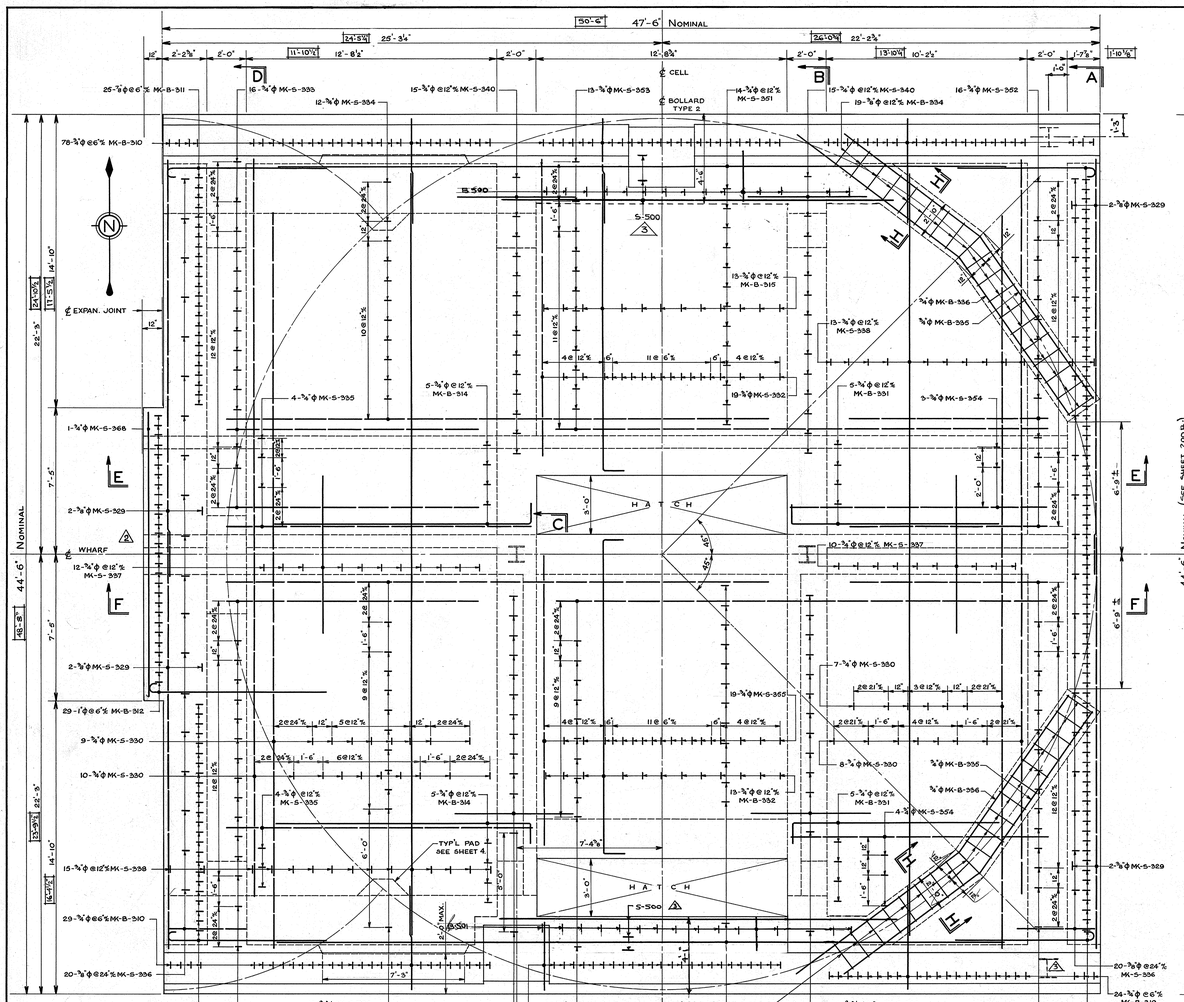
JAN. 17-1954. DATE

SHEET No. 2 OF 7.

PLAN No. A-219

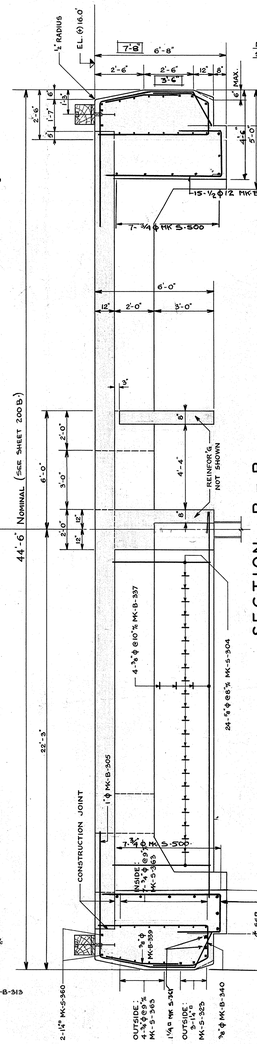
0-0194

125-184-175R

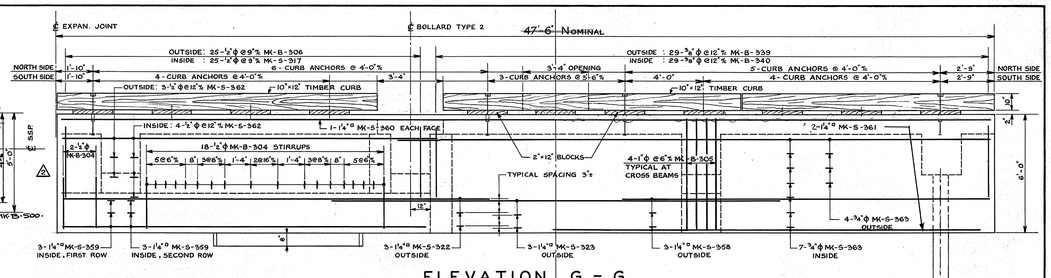


PLAN

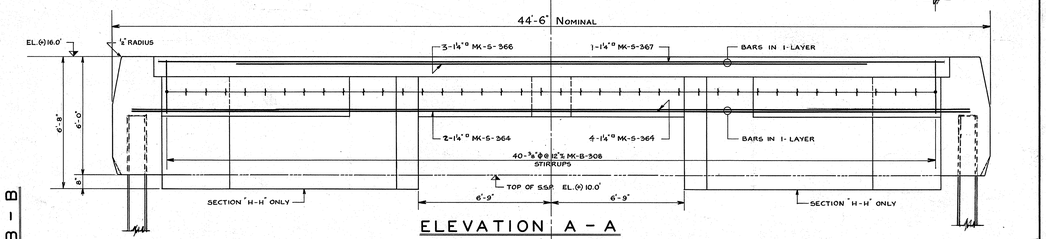
REINFORCING SHOWN THUS ——— DENOTES BOTTOM REINF'G
" " " TOP "



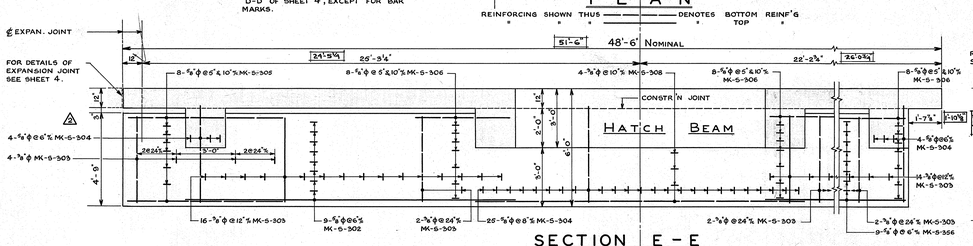
SECTION B-B



ELEVATION G-G

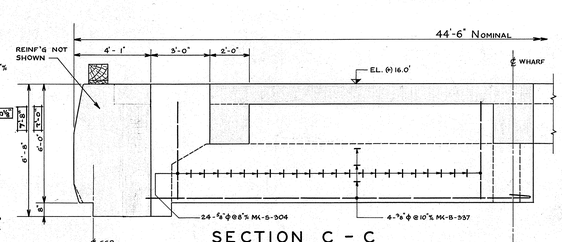


ELEVATION A-A

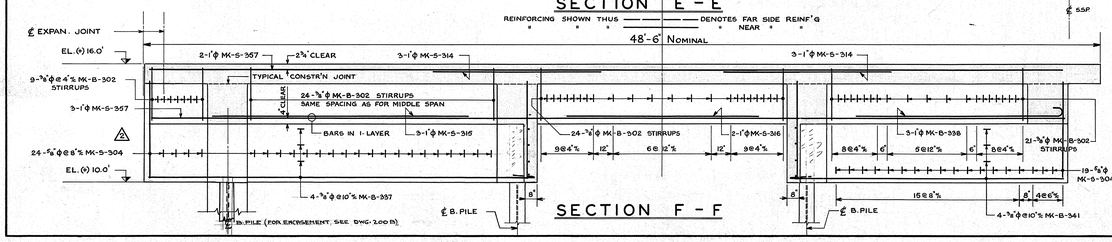


SECTION E-E

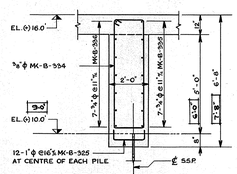
REINFORCING SHOWN THUS ——— DENOTES FAR SIDE REINF'G
" " " NEAR "



SECTION C-C



SECTION F-F



SECTION H-H

BILL OF REINFORCING STEEL (SEE NOTE 6)

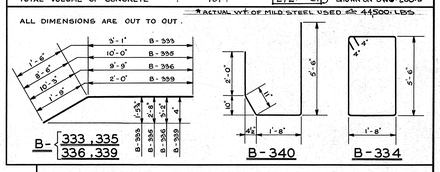
	MARK	DESCRIPTION	SIZE	LENGTH	NO. REQ'D	⅜"φ	½"φ	⅝"φ	¾"φ	⅞"φ	1"φ	1¼"□
						LINEAL FEET						
B-PILE ENCASEMENTS SHEET 4	B-17	SEE SHEET 4	½"φ	11'-4"	1		12					
	B-18	"	½"φ	10'-8"	1		11					
	B-19	"	½"φ	10'-0"	1		10					
	B-20	"	½"φ	9'-4"	1		10					
	B-21	"	½"φ	8'-8"	1		9					
	B-22	"	½"φ	8'-0"	1		8					
	B-23	"	½"φ	7'-4"	1		8					
	B-24	"	1"φ	8'-6"	4						34	
	B-25	"	1"φ	2'-6"	5						13	
	S-41	"	1"φ	8'-9"	6						53	
BEAM OVER SSP PLAN & SECT. H-H SHEET 4	C-42	"	¾"φ	5'-6"	16			88				
	B-26	"	⅞"φ	6'-8"	10	67						
	B-334	SEE DETAIL	⅞"φ	16'-0"	38	570						
	B-335	"	¾"φ	18'-6"	14			259				
	B-336	"	¾"φ	20'-0"	14			280				
	B-325	SAME AS B-25, SHEET 4	1"φ	2'-6"	24						60	
COPE WALLS ELEVATION G-G	B-304	B-4	½"φ	15'-6"	40		540					
	B-305	△1 B-5	1"φ	13'-2"	32						421	
	B-306	B-6	½"φ	5'-6"	50		175					
	S-317	S-17	½"φ	5'-9"	50		288					
	B-339	SEE DETAIL	⅞"φ	5'-9"	38	218						
	B-340	"	⅞"φ	10'-1"	58	585						
	S-359	STRAIGHT	1¼"φ	18'-5"	12							221
	S-322	"	1¼"φ	21'-8"	6							130
	S-323	"	1¼"φ	22'-9"	6							137
	S-358	"	1¼"φ	18'-8"	6							112
	S-360	"	1¼"φ	47'-0"	4							188
	S-361	"	1¼"φ	22'-0"	2							44
	S-362	"	½"φ	19'-0"	14		266					
	S-363	"	⅞"φ	30'-0"	22			660				
CROSS BEAMS SECTION D-D, SHEET 4	B-7	SEE SHEET 4	1"φ	8'-9"	12						105	
	B-8	"	⅞"φ	9'-4"	156	1456						
	B-9	"	⅞"φ	15'-0"	18	270						
	S-24	"	1"φ	10'-0"	9						90	
	S-25	"	1"φ	39'-10"	6						239	
	S-26	"	1"φ	24'-6"	3						74	
	S-27	"	1"φ	37'-0"	6						222	
	S-28	"	1"φ	20'-9"	12						249	
CROSS BEAM ELEVATION A-A	B-308	SAME AS B-8, SHEET 4	⅞"φ	9'-4"	40	373						
	S-364	STRAIGHT	1¼"φ	42'-6"	2							85
	S-365	"	1¼"φ	28'-0"	3							84
	S-366	"	1¼"φ	32'-0"	2							64
	S-367	"	1¼"φ	59'-10"	3							120
TUNNEL WALLS SECTIONS B-B, C-C, E-E & F-F	S-302	"	⅝"φ	16'-9"	9			151				
	S-303	"	⅝"φ	4'-3"	40	170						
	S-304	"	⅝"φ	4'-10"	124			600				
	S-305	"	⅝"φ	8'-0"	8			64				
	S-306	"	⅝"φ	4'-9"	24			114				
	S-308	"	⅝"φ	16'-9"	4	67						
	S-356	"	⅝"φ	14'-0"	9			126				
HATCH BEAMS SECT. A-A, SHEET 4	B-337	12" 19'-6"	⅞"φ	20'-6"	12	246						
	B-341	12" 15'-9"	⅞"φ	14'-9"	4	59						
	B-1	SEE SHEET 4	1"φ	8'-9"	12						69	
	B-2	"	⅞"φ	9'-0"	40	360						
	S-9	"	1"φ	16'-4"	8						131	
	S-10	"	1"φ	7'-9"	2						16	
	S-11	"	⅝"φ	9'-9"	6	59						

BILL OF REINFORCING STEEL (SEE NOTE 6)

	MARK	DESCRIPTION	SIZE	LENGTH	NO. REQ'D	⅜"φ	½"φ	⅝"φ	¾"φ	⅞"φ	1"φ	1¼"□
						LINEAL FEET						
LONGITUDINAL BEAM PLAN & SECT. B-B	B-302	SAME AS B-2, SHEET 4	⅝"φ	9'-0"	78	702						
	B-338	11" ⊂ 10'-8"	1"φ	11'-6"	3						35	
	S-314	STRAIGHT	1"φ	8'-6"	6						51	
	S-315	"	1"φ	13'-0"	3						39	
	S-316	"	1"φ	9'-9"	2						20	
	S-357	"	1"φ	46'-3"	5						232	
	B-310	SAME AS B-10, SHEET 4	¾"φ	6'-5"	131			819				
	B-311	" B-11 "	⅞"φ	8'-10"	50				442			
	B-312	" B-12 "	1"φ	9'-11"	29						288	
	B-313	" B-13 "	¾"φ	7'-8"	79			606				
	B-314	" B-14 "	¾"φ	14'-0"	10			140				
	B-315	" B-15 "	¾"φ	16'-0"	13			208				
	B-331	12" 10'-6"	¾"φ	11'-6"	10			115				
	B-332	12" 15'-8" 12"	¾"φ	17'-8"	13			230				
	B-333	SEE DETAIL	¾"φ	4'-7"	25			115				
	S-329	STRAIGHT	¾"φ	21'-0"	8	168						
	S-330	"	¾"φ	37'-5"	34			1267				
	S-332	"	¾"φ	15'-0"	19			285				
	S-333	"	¾"φ	12'-9"	32			408				
	S-334	"	¾"φ	27'-6"	24			660				
	S-335	"	¾"φ	15'-6"	8			124				
	S-336	"	¾"φ	4'-0"	40	160						
	S-337	"	¾"φ	8'-0"	22			176				
	S-338	"	¾"φ	38'-6"	28			1078				
	S-340	"	¾"φ	6'-0"	58			348				
	S-341	"	¾"φ	37'-0"	28			1036				
	S-352	"	¾"φ	10'-0"	32			320				
	S-353	"	¾"φ	25'-0"	25			625				
	S-354	"	¾"φ	13'-0"	7			91				
	S-355	"	⅞"φ	14'-9"	19			281				
	S-348	"	¾"φ	14'-4"	1			15				
	LINEAL FEET OF REINF. STEEL (SUB. TOT.)					5530	1357	1055	10,234	442	2641	1185
	WEIGHT OF REINFORCING STEEL (SUB. TOT.)					2080	824	1101	15,372	904	7032	6296
	TOTAL WEIGHT OF REIN'F. STEEL :					33,633 LBS.		39786 LBS.	INCLUDING BREAKAWAYS			
	TOTAL VOLUME OF CONCRETE :					1191 C.Y.		2272 C.Y.	SHOWN ON DWG. 200 B			

* ACTUAL WT. OF MILD STEEL USED IS 44,500 LBS.

ALL DIMENSIONS ARE OUT TO OUT.



NOTES:

1) FOR HATCH COVER AND FRAME, BOLLARD BASES WITH REINFORCING, LOCATION AND DETAILS OF LADDERS, BILL OF TIMBER CURB AND CURB ANCHORS SEE SHEET NO. 7.
2) FOR BOLLARD DETAILS AND S.S.P. ANCHOR BOLTS SEE SHEET NO. 2.
3) FOR EXPANSION JOINT DETAILS & TYP'L SLAB SECT'N SEE SHEET NO. 4.
4) MAINTAIN 3" SPACING OF BARS AT LAPS.

5) X DENOTES 'AS BUILT' FIGURE
6) DUE TO THE USE OF MILD STEEL BY THE CONTRACTOR, GENERAL SPACING OF BARS WAS CHANGED FROM 12"CTS. SHOWN TO 10"CTS. AND FROM ℄ CTS. SHOWN TO 5"CTS. CERTAIN BARS SHOWN ON PLAN ARE NOT INCLUDED IN BILL.

MARK	DESCRIPTION	DATE	MADE
3	AS BUILT	FEB./56	R.J.G.
2	EXPANSION JOINT – ALTERED	SEPT. 3, 54	E.K.
1	BARS M-B-305 ALTERED & TOTALS IN BILL OF REINF'G REVISED ACCORDINGLY.	MARCH 17-1954	R.P.

REVISIONS

MADE: W.T.
TRCD: W.T.
CHKD: R.J.G. & R.P.

APPROVED — JAN. 27-1954 DATE

PUBLIC WORKS OF CANADA
MONT LOUIS
GASPÉ COUNTY, QUEBEC.
WHARF CONSTRUCTION

REINFORCED CONCRETE – CELL No. 1

SCALE 3/8"=1'-0"

APPROVED BY: _____ DISTRICT ENGINEER, RIMOUSKI, QUE.

SUPERINTENDING ENGINEER, PROVINCE OF QUEBEC

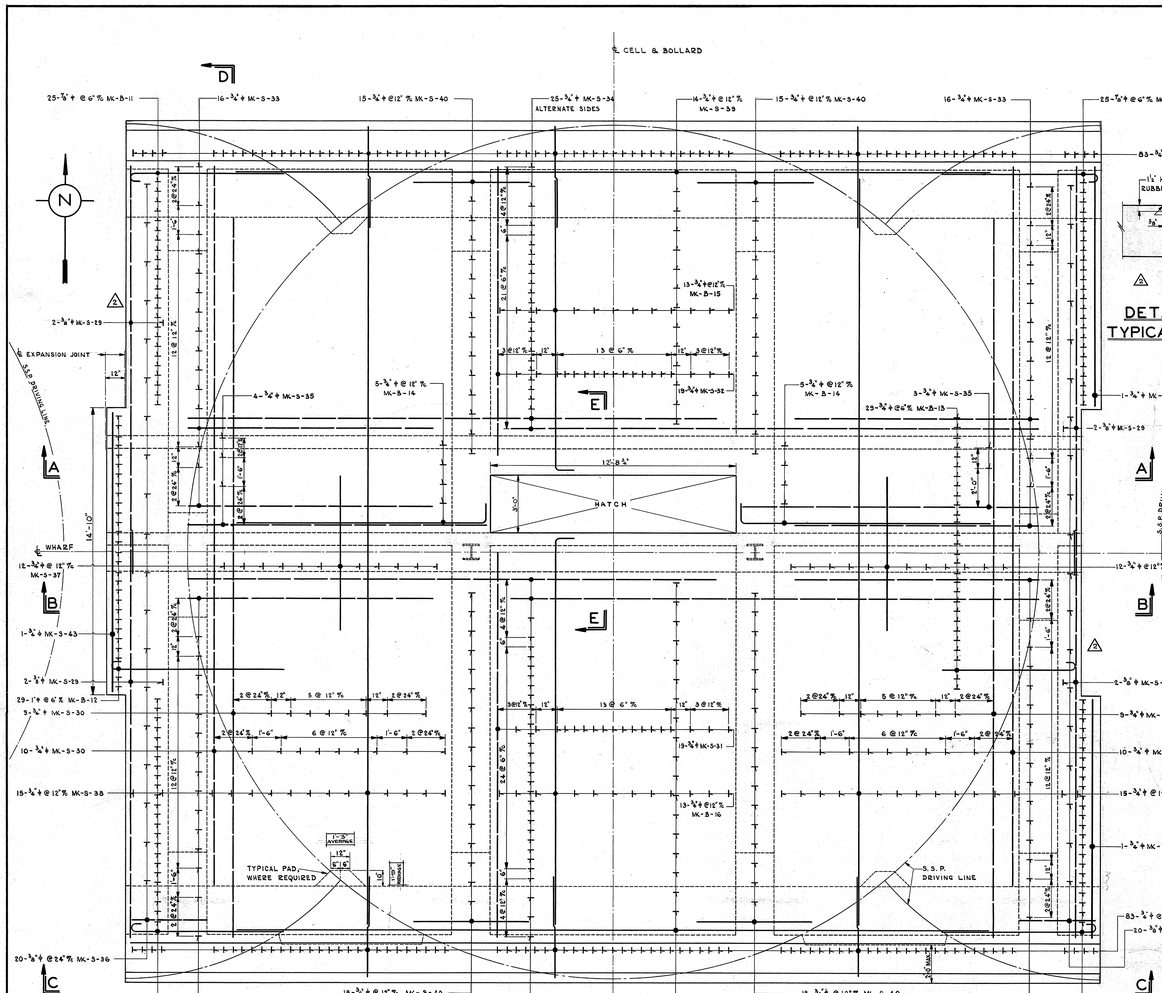
CHECKED: OTTAWA, JAN. 29-1954
APPROVED: OTTAWA, JAN. 28-1954
CHIEF ENGINEER

O. J. McCULLOCH & CO.
CONSULTING ENGINEERS, MONTREAL, QUE.

SHEET No. 3 OF 7.
PLAN No. A-219

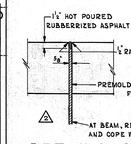
125-184-175R

W.O. 6495

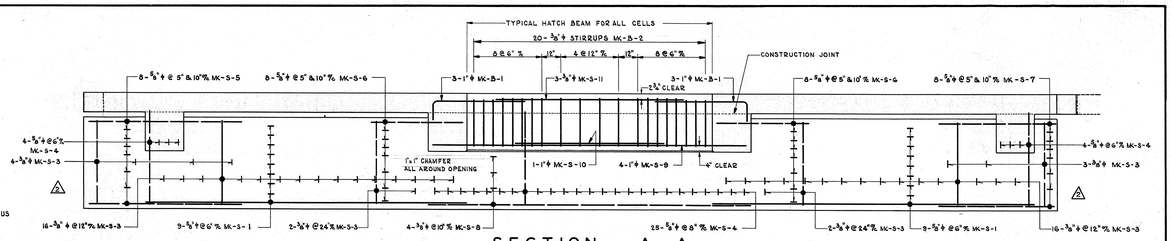


P L A N

BARS SHOWN THUS ——— DENOTE BOTTOM REINF'G
BARS SHOWN THUS ——— DENOTE TOP REINF'G

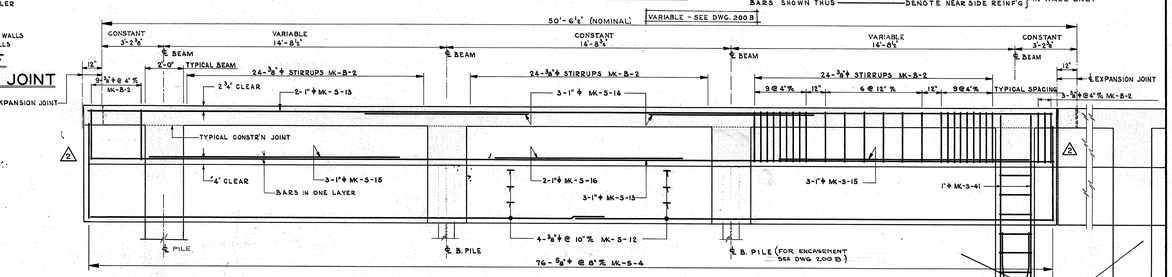


DETAILS OF TYPICAL EXP'N JOINT

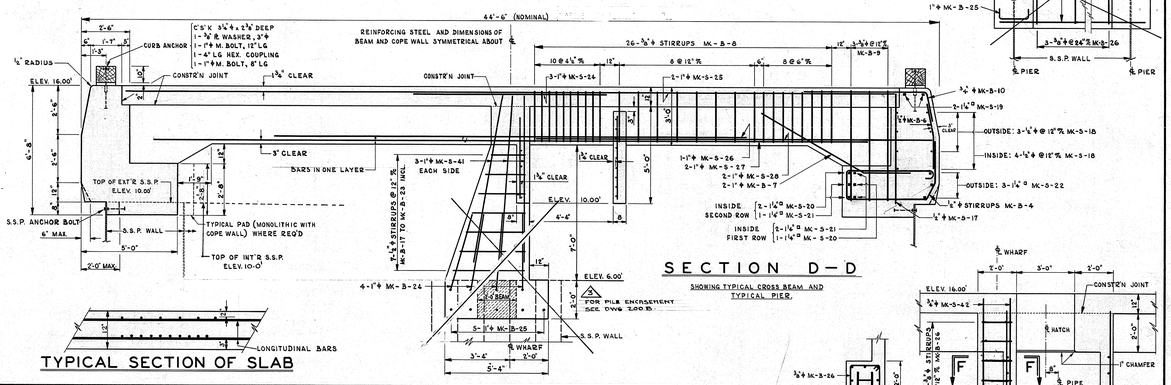


SECTION A—A

BARS SHOWN THUS ——— DENOTE FAR SIDE REINF'G } IN WALL ONLY
BARS SHOWN THUS ——— DENOTE NEAR SIDE REINF'G



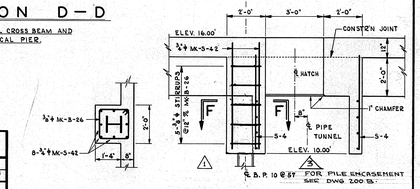
SECTION B—B



SECTION D—D

SHOWING TYPICAL CROSS BEAM AND TYPICAL PIER.

TYPICAL SECTION OF SLAB



PLAN F-F

SHOWING CONCRETE ENCASEMENT OF 10" B.P. @ 5" (TYPICAL)

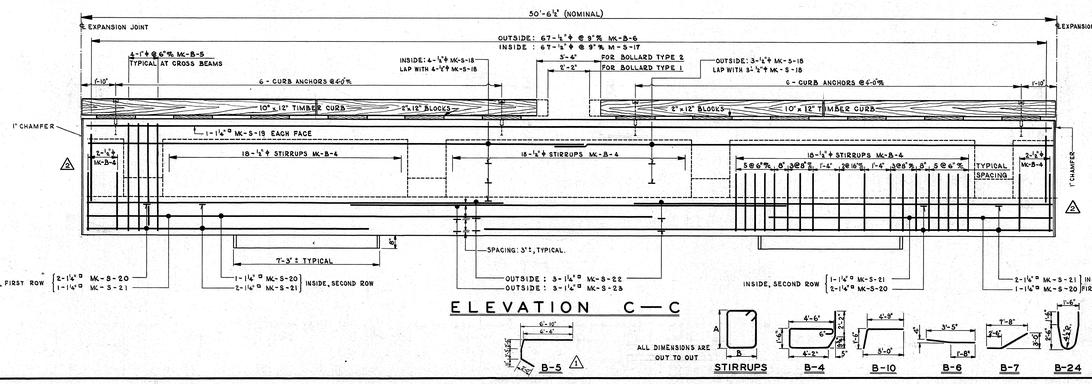
SECTION E—E

BILL OF REINFORCING STEEL (SEE NOTES)

MARK	DESCRIPTION	SIZE	LENGTH	No. REQ'D PER UNIT	TOTAL No. REQ'D	LINEAL FEET ¾"ϕ	½"ϕ	⅝"ϕ	¾"ϕ	1"ϕ	1¼"□
S-1	STRAIGHT	¾"ϕ	16'-3"	18	108				1809		
S-3		¾"ϕ	4'-3"	43	258	1097					
S-4	"	¾"ϕ	4'-10"	33	198				957		
S-5	"	¾"ϕ	8'-0"	8	48				384		
S-6	"	¾"ϕ	4'-3"	16	96				456		
S-7	"	¾"ϕ	6'-0"	8	48				288		
S-8	"	¾"ϕ	16'-3"	4	24	402					
S-9	"	1"ϕ	16'-3"	4	24					390	
S-10	"	1"ϕ	7'-9"	1	6					47	
S-11	"	¾"ϕ	9'-9"	3	18	176					
B-1	12" 4'-9"	1"ϕ	5'-9"	6	36					207	
B-2	A = 2'-6" B = 1'-8"	¾"ϕ	9'-0"	20	120	1080					
S-4	STRAIGHT	¾"ϕ	4'-10"	76	456				2204		
S-12	"	¾"ϕ	25'-8"	8	48	1232					
S-13	"	1"ϕ	50'-0"	5	30					1500	
S-14	"	1"ϕ	8'-6"	6	36					306	
S-15	"	1"ϕ	13'-0"	6	36					468	
S-16	"	1"ϕ	9'-9"	2	12					117	
B-2	A = 2'-6" B = 1'-8"	¾"ϕ	9'-0"	108	648	5832					
S-17	STRAIGHT	½"ϕ	5'-9"	134	804		4623				
S-18	"	½"ϕ	26'-0"	25	165		4368				
S-19	"	¼"□	50'-0"	4	24						1200
S-20	"	¼"□	14'-8"	12	72						1057
S-21	"	¼"□	29'-8"	12	72						2137
S-22	"	¼"□	21'-8"	12	72						1561
S-23	"	¼"□	22'-9"	6	36						819
B-4	SEE DETAIL	½"ϕ	13'-9"	116	696		9570				
B-5	" " △1	1"ϕ	13'-2"	32	192					2528	
B-6	" "	½"ϕ	3'-6	134	804		2814				
S-24	STRAIGHT	1"ϕ	10'-0"	12	72					720	
S-25	"	1"ϕ	32'-10"	8	48					1312	
S-26	"	1"ϕ	24'-6"	4	24					588	
S-27	"	1"ϕ	37'-0"	8	48					1776	
S-28	"	1"ϕ	20'-9"	16	96					1992	

MARK	DESCRIPTION	SIZE	LENGTH	No. REQ'D PER UNIT	TOTAL No. REQ'D	LINEAL FEET ¾"ϕ	½"ϕ	⅝"ϕ	¾"ϕ	⅞"ϕ	1"ϕ	1¼"□
B-8	A = 2'-8" B = 1'-8"	¾"ϕ	3'-4"	208	1248	11648						
B-7	SEE DETAIL	1"ϕ	8'-9"	16	96						840	
B-9	A = 5'-6" B = 1'-8"	¾"ϕ	15'-0"	24	144	2160						
S-29	STRAIGHT	¾"ϕ	21'-0"	8	48	1008						
S-30	"	¾"ϕ	37'-3"	38	228				8493			
S-31	"	¾"ϕ	20'-0"	19	114				2280			
S-32	"	¾"ϕ	15'-0"	19	114				1710			
S-33	"	¾"ϕ	12'-9	64	384				4896			
S-34	"	¾"ϕ	27'-6"	57	342				9405			
S-35	"	¾"ϕ	15'-6"	7	42				651			
S-36	"	¾"ϕ	4'-0"	40	240	960						
S-37	"	¾"ϕ	8'-0"	24	144				1152			
S-38	"	¾"ϕ	38'-6"	30	180				6930			
S-39	"	¾"ϕ	39'-2"	33	198				7756			
S-40	"	¾"ϕ	6'-0"	66	396				2376			
S-43	"	¾"ϕ	14'-6"	1	6				86			
S-44	"	¾"ϕ	12'-4"	2	12				148			
S-10	SEE DETAIL	¾"ϕ	6'-3"	166	996				6225			
B-11	10" ⊂ 8'-0"	⅞"ϕ	8'-10"	100	600					5300		
B-12	11" ⊂ 9'-0"	1"ϕ	9'-11"	29	174						1726	
B-13	8" ⊂ 7'-0"	¾"ϕ	7'-0"	29	174				1335			
B-14	12" ⊂ 13'-0"	¾"ϕ	14'-0"	10	60				840			
B-15	12" ⊂ 15'-0"	¾"ϕ	16'-0"	13	78				1248			
B-16	12" ⊂ 20'-0"	¾"ϕ	21'-0"	13	78				1638			
S-41	STRAIGHT	1"ϕ	8'-9"	12	72						630	
B-17	A = 3'-9" B = 1'-6"	½"ϕ	11'-4"	2	12	136						
B-18	3'-3" 1'-6"	½"ϕ	10'-8"	2	12	128						
B-19	3'-1" 1'-6"	½"ϕ	10'-0"	2	12	120						
B-20	2'-9" 1'-6"	½"ϕ	9'-4"	2	12	112						
B-21	2'-5" 1'-6"	½"ϕ	8'-8"	2	12	104						
B-22	2'-1" 1'-6"	½"ϕ	8'-0"	2	12	96						
B-23	1'-9" 1'-6"	½"ϕ	7'-4"	2	12	88						
B-24	SEE DETAIL	1"ϕ	8'-6"	8	48						408	
B-25	6" 1'-6" 6"	1"ϕ	2'-6"	10	60						150	
B-26	A = 1'-6" B = 1'-6"	¾"ϕ	6'-8"	3	21	140						
S-45	STRAIGHT	¾"ϕ	7'-10"	4	28				220			
S-42	STRAIGHT	¾"ϕ	5'-6"	16	96				528			
B-26	A = 1'-6" B = 1'-6"	¾"ϕ	6'-8"	10	60	400						
LINEAL FEET OF REINF'G STEEL (SUB TOTALS)						26135	22159	6098	57917	5300	16,305	6776
WEIGHT OF REINF'G STEEL (SUB TOTALS)						9826	14902	6390	56991	10833	43,334	35990
TOTAL WEIGHT OF REINF'G STEEL: 104.1T. TONS						112.21 T	ACTUAL WT. MILD STEEL USED = 133 TONS △1					
VOLUME OF CONCRETE FOR ONE MONOLITH: 203.5 C.Y. TOTAL VOLUME FOR 6 MONOLITHS: 1221 C.Y.												
						217 C.Y. AVERAGE					1504 C.Y.	

HATCH BEAM & RETAINING WALL SECTION A-A
LONG'T'L BEAM & RET'G WALL SECTION B-B
COPE WALL ELEVATION C-C
CROSS BEAM SECTION D-D
CROSS BEAM SECTION E-E
S.S.P. WALL
PIERS
B. PILE ENCASEMENT



ELEVATION C—C

NOTES

FOR HATCH COVER & FRAME, BOLLARD BASES WITH REINFORCING, LOCATION AND DETAILS OF LADDERS, BILL OF TIMBER CURB & CURB ANCHORS SEE SHEET No. 7.

FOR BOLLARD DETAILS AND S.S.P. ANCHOR BOLTS SEE SHEET No. 2.

MAINTAIN 3" SPACING OF BARS AT LAP. △3 FOR THIN CONCRETE DIMENSIONS SEE DWG. 200 B.

FOR REINFORCING BAR SPACING SEE NOTE 6 ON SHEET 3.

× "AS BUILT" FIGURES

MARK	DESCRIPTION	DATE	MADE
△3	AS BUILT	FEB/50	R.J.G.
△2	EXPANSION JOINT ALTERED	SEPT. 1. 54	E.K.
△1	BARS MK-B-5 ALTERED & TOTALS IN BILL OF REINF'G REVISED ACCORDINGLY. PILE CAPS (2'x12.1"□) DELETED.	MARCH 17 1954	R.P.

REVISIONS

PUBLIC WORKS OF CANADA
MONT LOUIS
GASPÉ COUNTY, QUEBEC.
WHARF CONSTRUCTION

REINFORCED CONCRETE – CELLS Nos. 2-7

SCALE: 3/8" = 1'-0"

APPROVED BY: DISTRICT ENGINEER, RIMOUSKI, QUE.

SUPERINTENDING ENGINEER, PROVINCE OF QUEBEC

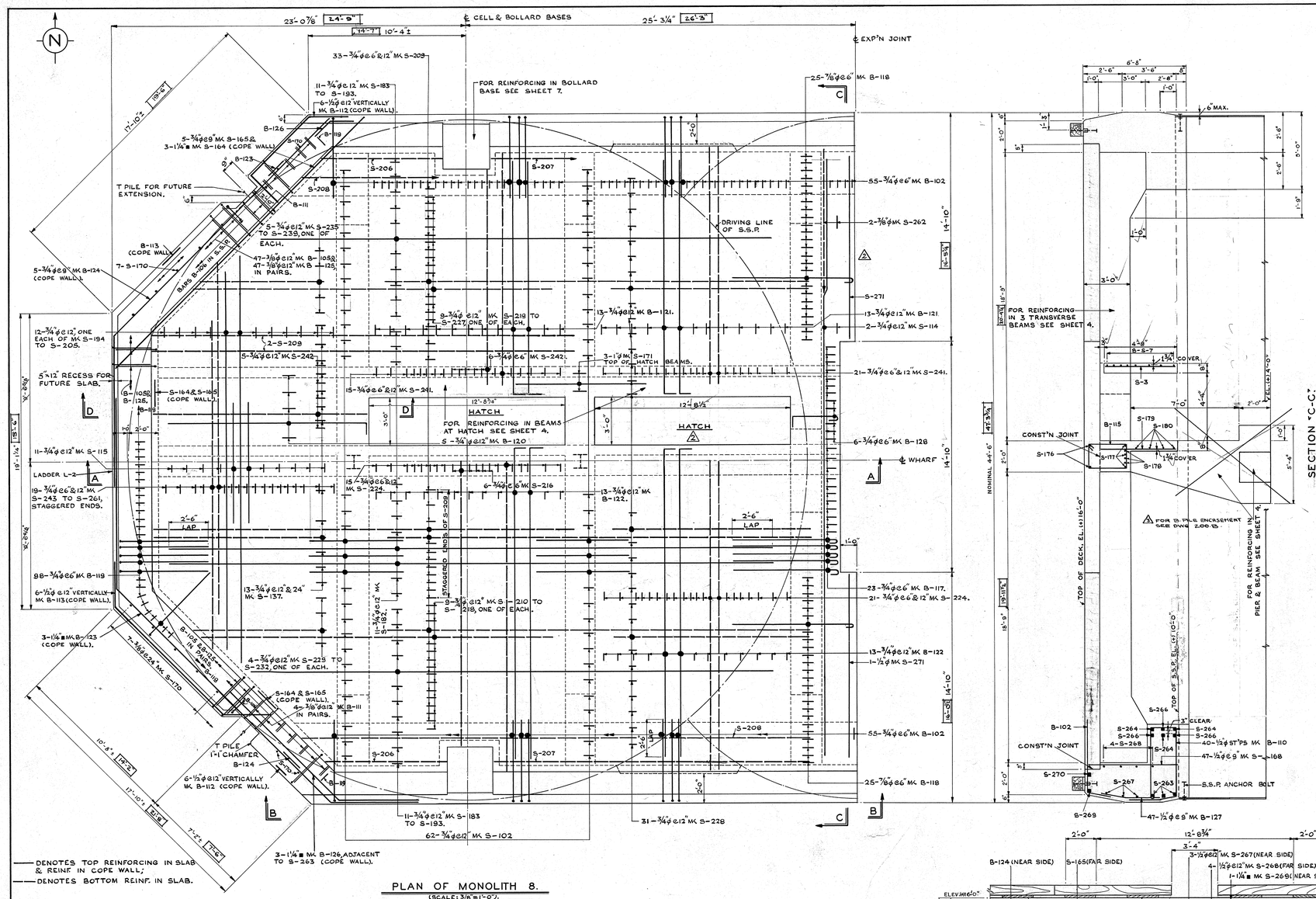
CHECKED: OTTAWA, JAN. 29-1954.
APPROVED: OTTAWA, JAN. 28-1954.
CHIEF ENGINEER

O. J. McCULLOCH & CO.
CONSULTING ENGINEERS, MONTREAL, QUE.

MADE: R.P.
TRCD: R.P.
CHKD: R.J.G.
APPROVED
JAN. 27-1954
DATE

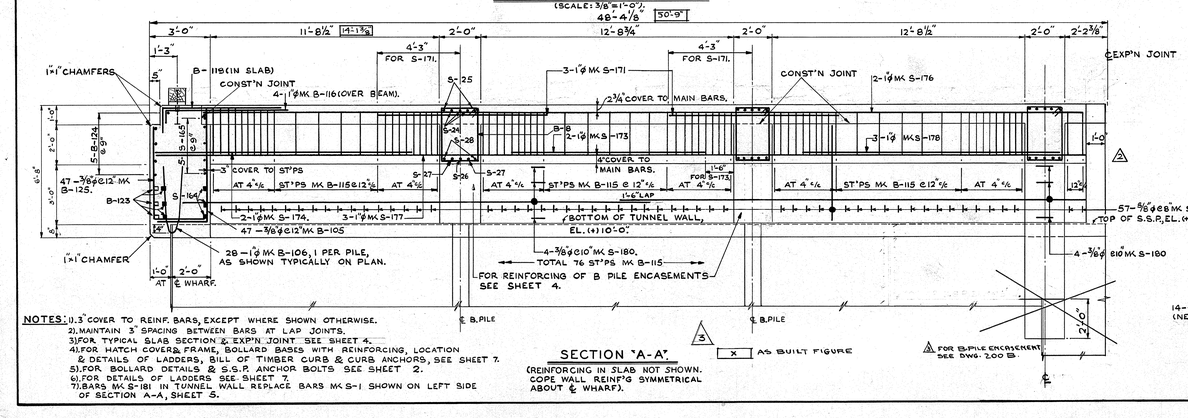
SHEET No. 4 OF 7.
PLAN No. A-219

125-184-175
2-0/198
O.J. McCULLOCH



PLAN OF MONOLITH 8.
(SCALE: 3/8" = 1'-0")

SECTION "C-C"
SLAB

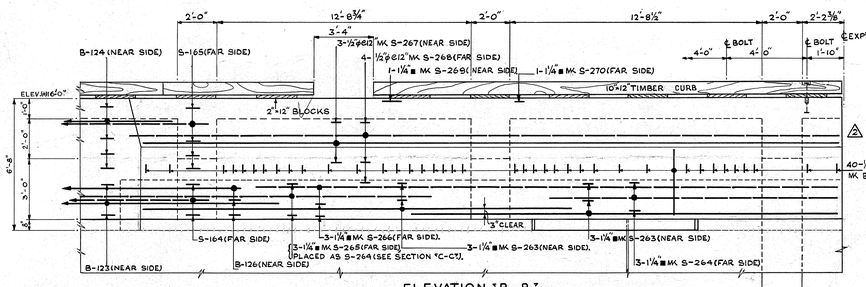


NOTES: 1). 3" COVER TO REINF. BARS, EXCEPT WHERE SHOWN OTHERWISE.
2). MAINTAIN 3" SPACING BETWEEN BARS AT LAP JOINTS.
3). FOR TYPICAL SLAB SECTION & EXP'N JOINT SEE SHEET 4.
4). FOR HATCH COVER & FRAME, BOLLARD BASES WITH REINFORCING, LOCATION & DETAILS OF LADDERS, BILL OF TIMBER CURB & CURB ANCHORS, SEE SHEET 7.
5). FOR BOLLARD DETAILS & S.S.P. ANCHOR BOLTS SEE SHEET 2.
6). FOR DETAILS OF LADDERS SEE SHEET 7.
7). BARS MK S-181 IN TUNNEL WALL REPLACE BARS MK S-1 SHOWN ON LEFT SIDE OF SECTION A-A, SHEET 5.

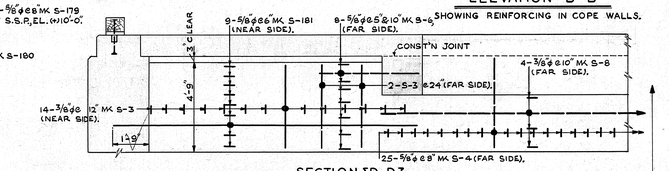
SECTION "A-A"
(REINFORCING IN SLAB NOT SHOWN. COPE WALL REINF'G SYMMETRICAL ABOUT ℄ WHARF).

△ X AS BUILT FIGURE

△ FOR B-PILE ENCASEMENT SEE DWG. 200 B.



ELEVATION "B-B"
SHOWING REINFORCING IN COPE WALLS.



SECTION "D-D"
SHOWING PART REINFORCING IN TUNNEL WALL.

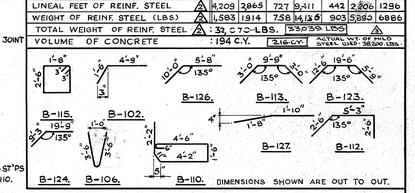
FOR REINFORCING IN REMAINING PART OF WALL SEE SHEET 4.

BILL OF REINFORCING STEEL

△ FOR SPACING OF REINFORCING BARS "AS BUILT" SEE NOTE 6 ON SHEET 3.

MK	DESCRIPTION	SIZE ø	LENGTH	NO. REQ'D	3/8"ø	1/2"ø	5/8"ø	3/4"ø	7/8"ø	1"ø	1 1/4"■
	BAR				LINEAL FEET						
S-102.	STRAIGHT	3/4"	6'-0"	62				372			
S-114	△ "	3/4"	38'-6"	2				77			
S-115	△ "	3/4"	8'-0"	11				68			
S-137	"	3/4"	11'-1"	13				144			
S-182	"	3/4"	38'-2"	11				431			
S-183	"	3/4"	37'-10"	2				76			
S-184	"	3/4"	36'-10"	2				74			
S-185	"	3/4"	35'-10"	2				72			
S-186	"	3/4"	34'-10"	2				70			
S-187	"	3/4"	33'-10"	2				68			
S-188	"	3/4"	32'-10"	2				66			
S-189	"	3/4"	31'-10"	2				64			
S-190	"	3/4"	30'-10"	2				62			
S-191	"	3/4"	29'-10"	2				60			
S-192	"	3/4"	28'-10"	2				58			
S-193	"	3/4"	27'-10"	2				56			
S-194	"	3/4"	38'-2"	1				38			
S-195	"	3/4"	36'-2"	1				36			
S-196	"	3/4"	34'-2"	1				34			
S-197	"	3/4"	32'-2"	1				32			
S-198	"	3/4"	30'-2"	1				30			
S-199	"	3/4"	28'-2"	1				28			
S-200	"	3/4"	26'-2"	1				26			
S-201	"	3/4"	24'-2"	1				24			
S-202	"	3/4"	22'-2"	1				22			
S-203	"	3/4"	20'-2"	1				20			
S-204	"	3/4"	18'-2"	1				18			
S-205	"	3/4"	16'-2"	1				16			
S-206	"	3/4"	7'-9"	2				16			
S-207	"	3/4"	20'-6"	2				41			
S-208	"	3/4"	33'-0"	2				66			
S-209	"	3/4"	27'-5"	35				960			
S-210	"	3/4"	24'-10"	1				25			
S-211	"	3/4"	23'-10"	1				24			
S-212	"	3/4"	22'-10"	1				23			
S-213	"	3/4"	21'-10"	1				22			
S-214	"	3/4"	20'-10"	1				21			
S-215	"	3/4"	19'-10"	1				20			
S-216	"	3/4"	18'-10"	7				132			
S-217	"	3/4"	17'-10"	1				18			
S-218	"	3/4"	16'-10"	1				17			
S-219	"	3/4"	25'-2"	1				25			
S-220	"	3/4"	24'-2"	1				24			
S-221	"	3/4"	23'-2"	1				23			
S-222	"	3/4"	22'-2"	1				22			
S-223	"	3/4"	21'-2"	1				21			
S-224	△ "	3/4"	20'-2"	37				746			
S-225	"	3/4"	19'-2"	1				19			
S-226	"	3/4"	18'-2"	1				18			
S-227	"	3/4"	17'-2"	1				17			
S-228	△ "	3/4"	12'-10"	31				398			
S-229	"	3/4"	10'-9"	1				11			
S-230	"	3/4"	9'-9"	1				10			
S-231	"	3/4"	8'-9"	1				9			
S-232	"	3/4"	7'-9"	1				8			
S-233	"	3/4"	10'-0"	1				10			
S-236	"	3/4"	9'-0"	1				9			
S-237	"	3/4"	8'-0"	1				8			
S-238	"	3/4"	7'-0"	1				7			
S-239	"	3/4"	6'-0"	1				6			
S-241	△ "	3/4"	15'-6"	36				558			
S-242	"	3/4"	13'-10"	11				153			
S-243	"	3/4"	37'-2"	1				37			
S-244	"	3/4"	35'-2"	1				35			
S-245	"	3/4"	33'-2"	1				33			
S-246	"	3/4"	32'-2"	1				32			
S-247	"	3/4"	31'-2"	1				31			
S-248	"	3/4"	30'-2"	1				30			
S-249	"	3/4"	29'-2"	1				29			
S-250	"	3/4"	28'-2"	1				28			
S-251	"	3/4"	27'-2"	1				27			
S-252	"	3/4"	26'-2"	1				26			
S-253	"	3/4"	25'-2"	1				25			
S-254	"	3/4"	24'-2"	1				24			
S-255	"	3/4"	23'-2"	1				23			
S-256	"	3/4"	22'-2"	1				22			
S-257	"	3/4"	21'-2"	1				21			
S-258	"	3/4"	20'-2"	1				20			
S-259	"	3/4"	19'-2"	1				19			
S-260	"	3/4"	17'-2"	1				17			
S-261	"	3/4"	15'-2"	1				15			
S-262	"	3/8"	40'-0"	2	80						
S-271	"	1/2"	11'-8"	2		24					
B-117	△ 8 ⊂ 7'-0"	3/4"	7'-8"	23				176			
B-118	10 ⊂ 8'-0"	7/8"	8'-10"	50					442		

MK	DESCRIPTION	SIZE ø	LENGTH	NO. REQ'D	3/8"ø	1/2"ø	5/8"ø	3/4"ø	7/8"ø	1"ø	1 1/4"■
	BAR				LINEAL FEET						
SLAB											
B-120	8" 13'-0"	3/4"	13'-9"	5	△			69			
B-121	1'-0" 14'-9"	3/4"	15'-9"	26	△			410			
B-122	1'-0" 19'-9"	3/4"	20'-9"	26	△			540			
B-128	9" 2'-7"	3/4"	4'-0"	6				24			
COPE WALLS											
S-164	STRAIGHT	1 1/4"■	22'-6"	9							203
S-165	"	3/4"	22'-6"	15				338			
S-168	"	1/2"	5'-9"	94		541					
S-170	"	3/8"	5'-9"	14	81						
S-263	"	1 1/4"■	21'-6"	12							258
S-264	"	1 1/4"■	14'-9"	6							89
S-265	"	1 1/4"■	17'-9"	6							107
S-266	"	1 1/4"■	29'-6"	6							177
S-267	"	1/2"	35'-0"	6		210					
S-268	"	1/2"	35'-6"	8		284					
S-268	"	1 1/4"■	35'-0"	2							70
S-270	"	1 1/4"■	35'-6"	2							71
B-102	SEE DETAIL	3/4"	6'-3"	110				688			
B-105	2'-3 5'-9"	3/8"	8'-0"	47	376						
B-106	SEE DETAIL	1"	7'-0"	28						196	
B-110	" "	1/2"	13'-9"	80		1100					
B-111	1'-6 5'-9"	3/8"	7'-3"	8	58						
B-112	SEE DETAIL	1/2"	10'-3"	12		123					
B-113	" "	1/2"	15'-9"	12		189					
B-119	1'-3 5'-4"	3/4"	6'-7"	98				645			
B-123	SEE DETAIL	1/4"■	37'-8"	6							227
B-124	" "	3/4"	29'-0"	10				290			
B-125	2'-3 4'-9"	3/8"	7'-0"	47	329						
B-126	SEE DETAIL	1 1/4"■	15'-8"	6							94
B-127	" "	1/2"	3'-6"	94		329					
LONG'TL BEAM											
S-171	STRAIGHT	1"	8'-6"	6						51	
S-173	"	1"	9'-9"	2						20	
S-174	"	1"	13'-0"	2						26	
S-176	"	1"	44'-4"	2						89	
S-177	"	1"	46'-9"	3						140	
S-178	"	1"	13'-2"	3						40	
B-115	SEE DETAIL	3/8"	8'-10"	76	671						
B-116	9" 6'-3"	1"	7'-0"	4						28	
TRANSVERSE BEAMS											
S-24	SEE SHEET 4	1"	10'-0"	9						90	
S-25	" " "	1"	39'-10"	6						239	
S-26	" " "	1"	24'-6"	3						74	
S-27	" " "	1"	37'-0"	6						222	
S-28	" " "	1"	20'-9"	12						249	
B-5	△ " " "	1"	13'-2"	24						316	
B-7	" " "	1"	8'-9"	12						105	
B-8	" " "	3/8"	9'-4"	156	1456						
B-9	" " "	3/8"	15'-0"	18	270						
HATCH BEAM											
S-9	SEE SHEET 4	1"	16'-3"	8		△				130	
S-10	" " "	1"	7'-9"	2		△				16	
S-11	" " "	3/8"	9'-9"	6	59	△					
S-171	STRAIGHT	1"	8'-6"	3		△				26	
B-1	SEE SHEET 4	1"	5'-9"	12		△				69	
B-2	" " "	3/8"	9'-0"	40	360	△					
TUNNEL WALLS											
S-3	SEE SHEET 4	3/8"	4'-3"	19	81	△					
S-4	" " "	5/8"	4'-10"	47		△	227				
S-6	" " "	5/8"	4'-9"	8		△	38				
S-8	" " "	3/8"	16'-9"	8	134	△					
S-179	STRAIGHT	5/8"	4'-10"	57			275				
S-180	"	3/8"	23'-5"	8	187						
S-181	"	5/8"	15'-5"	9			139				
S-7	SEE SHEET 4	5/8"	6'-0"	8			48				
B PILE ENCASEMENTS & PIER											
S-41	SEE SHEET 4	1"	8'-9"	6						53	
S-42	" " "	3/4"	5'-6"	16				88			
B-17	" " "	1/2"	11'-4"	1		11					
B-18	" " "	1/2"	10'-8"	1		11					
B-19	" " "	1/2"	10'-0"	1		10					
B-20	" " "	1/2"	9'-4"	1		9					
B-21	" " "	1/2"	8'-8"	1		9					
B-22	" " "	1/2"	8'-0"	1		8					
B-23	" " "	1/2"	7'-4"	1		7					
B-24	" " "	1"	8'-6"	4						34	
B-25	" " "	1"	2'-6"	5						13	
B-26	" " "	3/8"	6'-8"	10	67						
LINEAL FEET OF REINF. STEEL					△ 4,209	2865	727	9,411	442	2,806	1296
WEIGHT OF REINF. STEEL (LBS.)					△ 1,583	1914	738	4,136	903	5,890	6886
TOTAL WEIGHT OF REINF. STEEL					△ 32,070 LBS.						
VOLUME OF CONCRETE					194 C.Y.	216 C.Y.	ACTUAL VOL. OF FILLED STEEL MINUS 28,800 LBS.				



PUBLIC WORKS OF CANADA
MONT LOUIS
GASPÉ COUNTY, QUEBEC.
WHARF CONSTRUCTION

REINFORCED CONCRETE - CELL No. 8.

SCALE: 3/8" = 1'-0"

MARK	DESCRIPTION	DATE	MADE
3	AS BUILT	FEB/56	R.J.G.
2	1 HATCH ADDED & EXP'N JOINT CHANGED.	SEPT. 1 1954	E.V.H.
1	BARS MK B-5 ALTERED & TOTALS IN BILL OF REINF'G REVISED ACCORDINGLY.	MARCH 17-1954	R.P.

REVISIONS

APPROVED BY: _____ DISTRICT ENGINEER, RIMOUSKI, QUE.
_____ SUPERINTENDING ENGINEER, PROVINCE OF QUEBEC

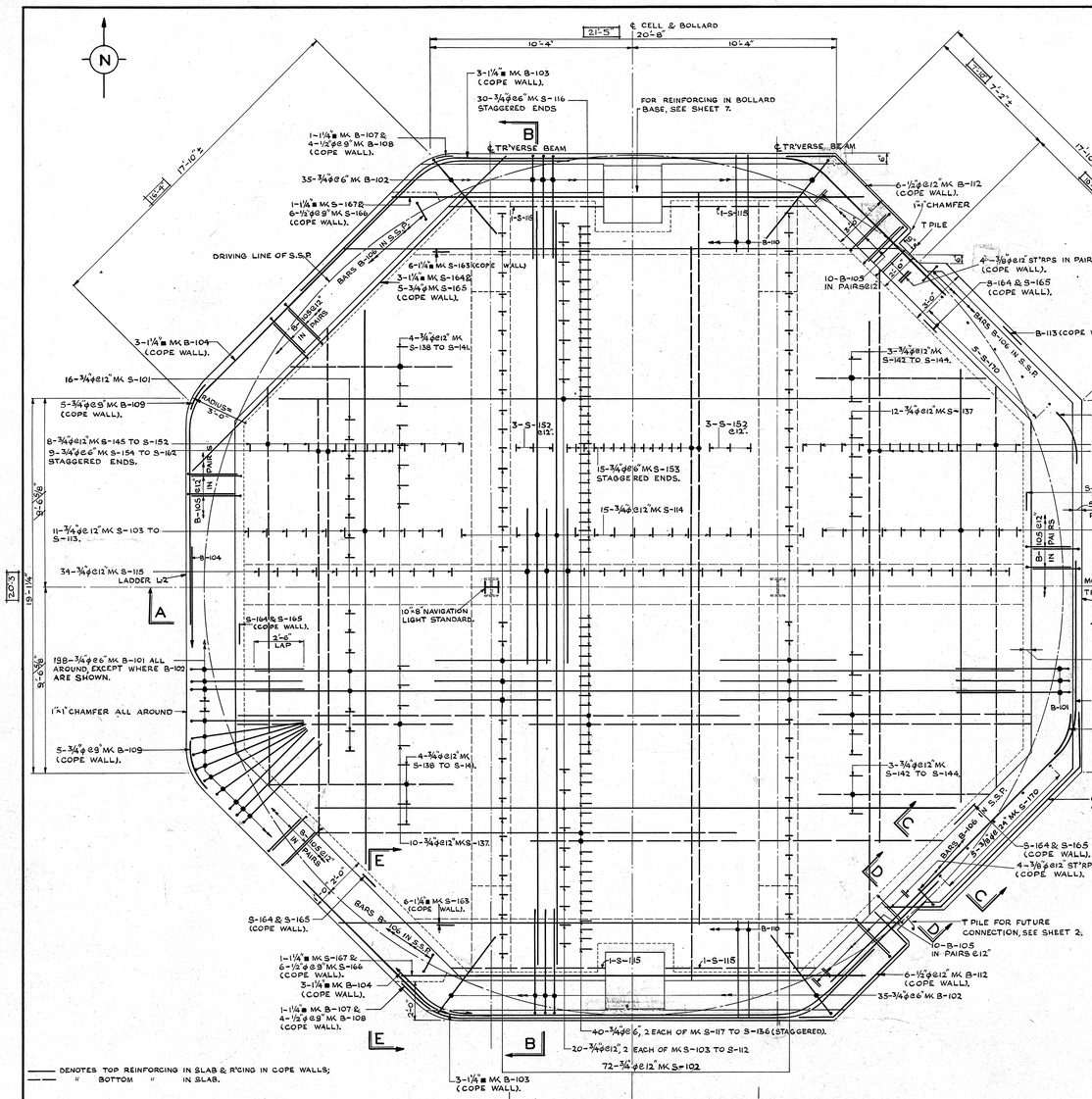
CHECKED: OTTAWA JAN. 29-1954
APPROVED: OTTAWA JAN. 28-1954
CHIEF ENGINEER

O.J. Mc CULLOCH & CO.
CONSULTING ENGINEERS, MONTREAL, QUE.

MADE: V.E.H.
TRCD: V.E.H.
CHKD: R.J.G.
APPROVED
JAN. 27-1954 DATE

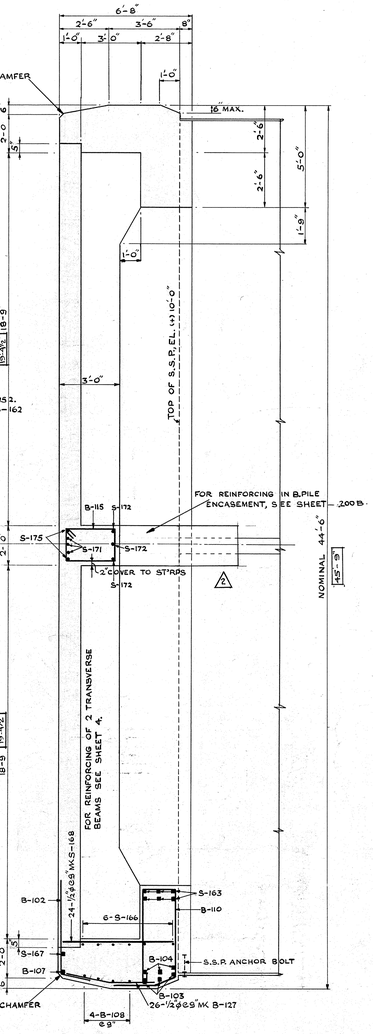
SHEET No. 5 of 7.
PLAN No. A-219

125-184-175²

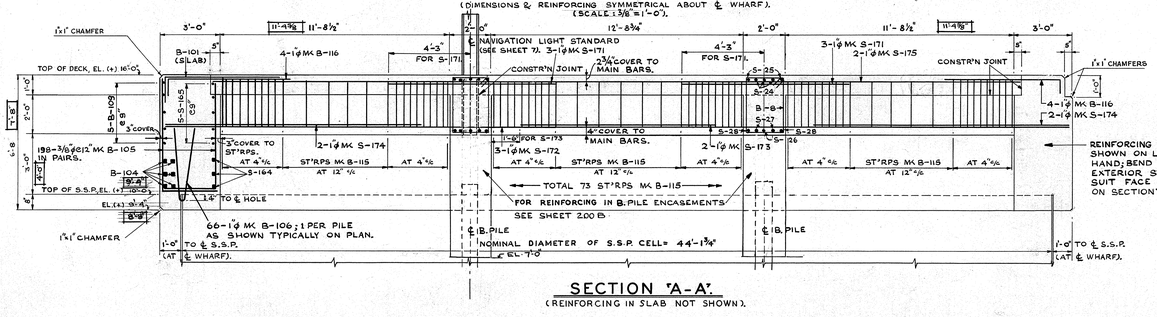


PLAN OF MONOLITH 9.

(DIMENSIONS & REINFORCING SYMMETRICAL ABOUT ℄ WHARF).
(SCALE: 3/8" = 1'-0").

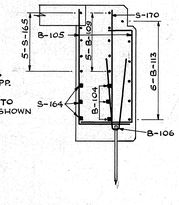


SECTION "B-B."

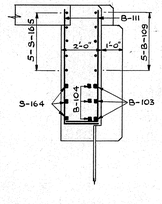


SECTION "A-A."

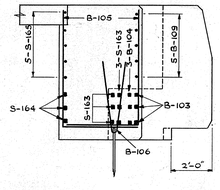
(REINFORCING IN SLAB NOT SHOWN).



SECTION "C-C."



SECTION "D-D."



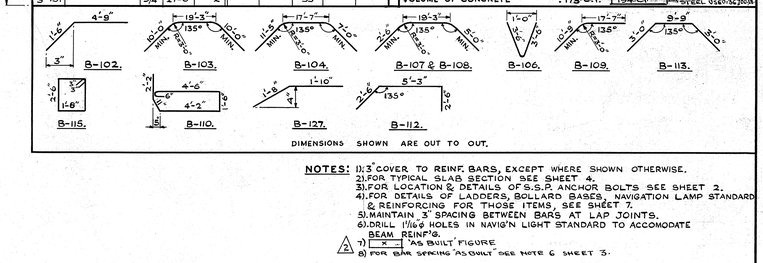
SECTION "E-E."

BILL OF REINFORCING STEEL

	MK	DESCRIPTION	SIZE	LENGTH	NO. REQ'D	LINEAL FEET 3/8"ø	1/2"ø	3/4"ø	1"ø	1¼"■
SLAB	S-101	STRAIGHT	3/4"	39'-2"	16			627		
	S-102	"	3/4"	6'-0"	72			432		
	S-103	"	3/4"	36'-5"	4			146		
	S-104	"	3/4"	34'-5"	4			138		
	S-105	"	3/4"	32'-5"	4			130		
	S-106	"	3/4"	30'-5"	4			122		
	S-107	"	3/4"	28'-5"	4			114		
	S-108	"	3/4"	26'-5"	4			106		
	S-109	"	3/4"	24'-5"	4			98		
	S-110	"	3/4"	22'-5"	4			90		
	S-111	"	3/4"	20'-5"	4			82		
	S-112	"	3/4"	18'-5"	4			74		
	S-113	"	3/4"	16'-5"	2			33		
	S-114	"	3/4"	38'-6"	15			578		
	S-115	"	3/4"	8'-0"	38			304		
	S-116	"	3/4"	25'-10"	30			775		
	S-117	"	3/4"	25'-3"	2			51		
	S-118	"	3/4"	24'-9"	2			50		
	S-119	"	3/4"	24'-3"	2			49		
	S-120	"	3/4"	23'-9"	2			48		
	S-121	"	3/4"	23'-3"	2			47		
	S-122	"	3/4"	22'-9"	2			46		
	S-123	"	3/4"	22'-3"	2			45		
	S-124	"	3/4"	21'-9"	2			44		
	S-125	"	3/4"	21'-3"	2			43		
	S-126	"	3/4"	20'-9"	2			42		
	S-127	"	3/4"	20'-3"	2			41		
	S-128	"	3/4"	19'-9"	2			40		
	S-129	"	3/4"	19'-3"	2			39		
	S-130	"	3/4"	18'-9"	2			38		
	S-131	"	3/4"	18'-3"	2			37		
	S-132	"	3/4"	17'-9"	2			36		
	S-133	"	3/4"	17'-3"	2			35		
	S-134	"	3/4"	16'-9"	2			34		
	S-135	"	3/4"	16'-3"	2			33		
	S-136	"	3/4"	15'-9"	2			32		
	S-137	"	3/4"	11'-1"	22			244		
	S-138	"	3/4"	10'-6"	2			21		
	S-139	"	3/4"	9'-6"	2			19		
	S-140	"	3/4"	8'-6"	2			17		
	S-141	"	3/4"	7'-6"	2			15		
	S-142	"	3/4"	9'-3"	2			19		
	S-143	"	3/4"	8'-3"	2			17		
	S-144	"	3/4"	7'-3"	2			15		
	S-145	"	3/4"	18'-7"	2			37		
	S-146	"	3/4"	20'-7"	2			41		
	S-147	"	3/4"	22'-7"	2			45		
	S-148	"	3/4"	24'-7"	2			49		
	S-149	"	3/4"	34'-7"	2			69		
	S-150	"	3/4"	36'-7"	2			73		
	S-151	"	3/4"	38'-7"	2			77		
	S-152	"	3/4"	40'-3"	8			322		
	S-153	"	3/4"	37'-8"	15			561		
	S-154	"	3/4"	30'-6"	2			61		
	S-155	"	3/4"	29'-6"	2			59		
	S-156	"	3/4"	28'-6"	2			57		
	S-157	"	3/4"	27'-6"	2			55		

	MK	DESCRIPTION	SIZE	LENGTH	NO. REQ'D	LINEAL FEET 3/8"ø	1/2"ø	3/4"ø	1"ø	1¼"■
SLAB	S-158	STRAIGHT	3/4"	26'-6"	2			53		
	S-159	"	3/4"	25'-6"	2			51		
	S-160	"	3/4"	24'-6"	2			49		
	S-161	"	3/4"	23'-6"	2			47		
	S-162	"	3/4"	22'-6"	2			45		
COPE WALLS	B-101	1'-3" 5'-9"	3/4"	7'-0"	198			1386		
	B-102	SEE DETAIL	3/4"	6'-3"	70			438		
	S-163	STRAIGHT	1¼"■	28'-6"	12					342
	S-164	"	1¼"■	22'-6"	18					405
	S-165	"	3/4"	22'-6"	30			675		
	S-166	"	½"	24'-0"	12	288				
	S-167	"	1¼"■	24'-0"	2					48
	S-168	"	½"	5'-9"	48	276				
	S-170	"	3/8"	5'-9"	10	58				
	B-103	SEE DETAIL	1¼"■	38'-3"	6					236
	B-104	" "	1¼"■	36'-0"	12					432
	B-105	2'-3" 5'-9"	3/8"	8'-0"	198	1584				
	B-106	SEE DETAIL	1"	7'-0"	66				462	
	B-107	" "	1¼"■	26'-8"	2					54
	B-108	" "	½"	26'-9"	8		214			
	B-109	" "	3/4"	28'-4"	20			567		
	B-110	" "	½"	13'-9"	34		468			
	B-111	1'-6" 5'-9"	3/8"	7'-3"	8	58				
	B-112	SEE DETAIL	½"	10'-3"	12		123			
	B-113	" "	½"	15'-9"	12		189			
	B-127	" "	½"	3'-6"	52		182			
TRANSVERSE BEAMS	S-24	SEE SHEET 4	1"	10'-0"	6				60	
	S-25	" " "	1"	39'-10"	4				159	
	S-26	" " "	1"	24'-6"	2				49	
	S-27	" " "	1"	37'-0"	4				148	
	S-28	" " "	1"	20'-9"	8				166	
	S-42	" " "	3/4"	5'-6"	16			88		
	B-8	" " "	3/8"	9'-4"	104	971				
	B-5	△ " " "	1"	13'-2"	16				211	
	B-7	" " "	1"	8'-9"	8				70	
	B-9	" " "	3/8"	15'-0"	12	180				
	B-26	" " "	3/8"	6'-8"	10	67				
LONGIT'L BEAM	S-171	STRAIGHT	1"	8'-6"	6				51	
	S-172	"	1"	45'-7"	3				137	
	S-173	"	1"	9'-8"	2				20	
	S-174	"	1"	13'-0"	4				52	
	S-175	"	1"	40'-10"	2				82	
	B-115	SEE DETAIL	3/8"	8'-10"	73	645				
	B-116	9" 6'-3"	1"	7'-0"	8				56	
LINEAL FEET OF REINF. STEEL						3,663	1,740	9,931	1,723	1,517
WEIGHT OF REINF. STEEL (LBS.)						1,340	1,162	14,947	4,931	8,060
TOTAL WEIGHT OF REINF. STEEL ≈ 30,440 LBS. 15.1 TONS										
VOLUME OF CONCRETE						175 C.Y.	194 C.Y.			

△ ACTUAL WT. OF FIELD STEEL USED=30,760 LB.



DIMENSIONS SHOWN ARE OUT TO OUT.

NOTES:
1). 3" COVER TO REINF. BARS, EXCEPT WHERE SHOWN OTHERWISE.
2). FOR TYPICAL SLAB SECTION SEE SHEET 4.
3). FOR LOCATION & DETAILS OF S.S.P. ANCHOR BOLTS SEE SHEET 2.
4). FOR DETAILS OF LADDERS, BOLLARD BASES, NAVIGATION LAMP STANDARD & REINFORCING FOR THOSE ITEMS, SEE SHEET 7.
5). MAINTAIN 3" SPACING BETWEEN BARS AT LAP JOINTS.
6). DRILL 11/16ø HOLES IN NAVIG'N LIGHT STANDARD TO ACCOMODATE BEAM REINF'ø.
7). R | AS BUILT' FIGURE
8). FOR BAR SPACING 'AS BUILT' SEE NOTE 6 SHEET 3.

MARK	DESCRIPTION	DATE	MADE
2	'AS BUILT'	FEB/92	R.J.G.
1	BARS MK-B-5 ALTERED & TOTALS IN BILL OF REINF'S REVISED ACCORDINGLY.	MARCH 17-1984	R.P.

REVISIONS

PUBLIC WORKS OF CANADA
MONT LOUIS
GASPÉ COUNTY, QUEBEC.
WHARF CONSTRUCTION

REINFORCED CONCRETE - CELL No.9.

SCALE: 3/8" = 1'-0"

APPROVED BY: ..... DISTRICT ENGINEER, RIMOUSKI, QUE.

SUPERINTENDING ENGINEER, PROVINCE OF QUEBEC

CHECKED: OTTAWA JAN. 23-1984
APPROVED: OTTAWA JAN. 23-1984
CHIEF ENGINEER

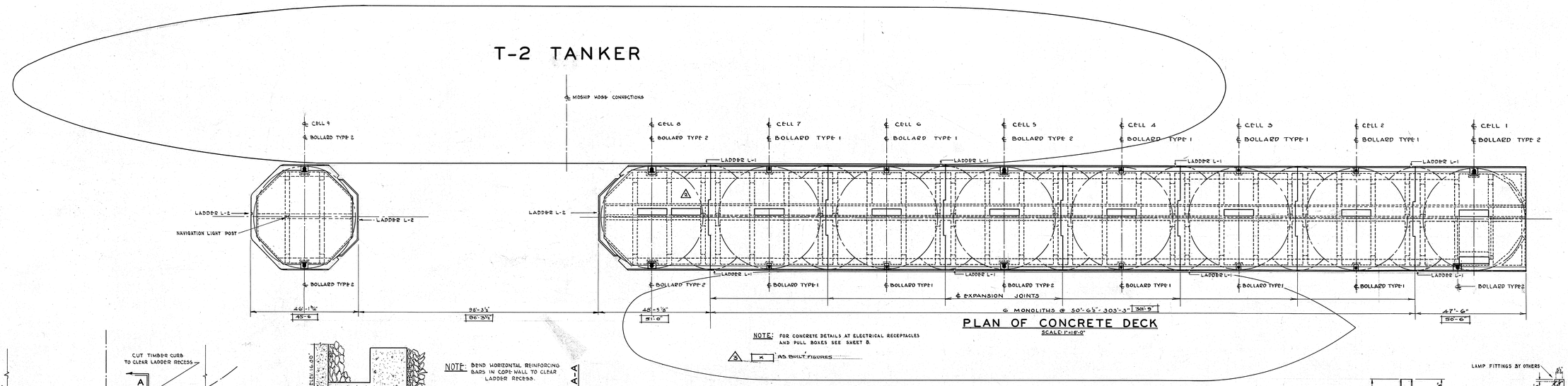
O.J. McCULLOCH & CO.
CONSULTING ENGINEERS, MONTREAL, QUE.

MADE: V.E.H.
TRCD: V.E.H.
CHKD: R.J.G.
APPROVED — DATE JAN. 23-1984

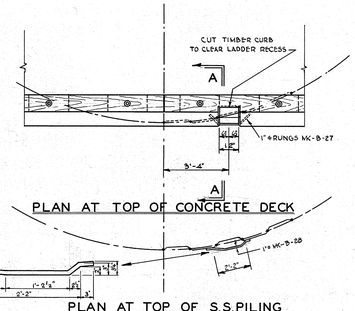
SHEET No.6 of 7.
PLAN No.A-219

0-0198

125-184-175R

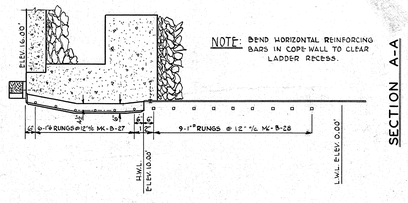


PLAN OF CONCRETE DECK
SCALE: 1"=16'-0"



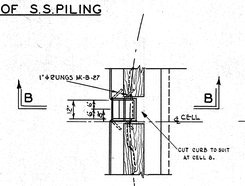
PLAN AT TOP OF CONCRETE DECK

PLAN AT TOP OF S.S.PILING

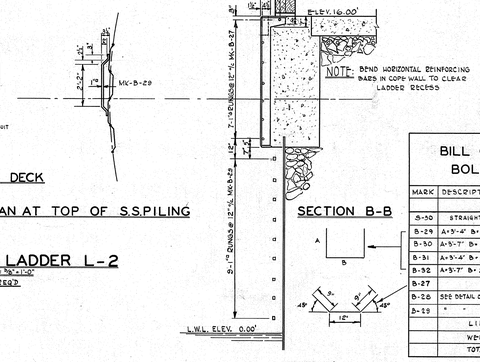


SECTION A-A

DETAILS OF LADDER L-1
SCALE: ¾"=1'-0"
8-REQ'D



PLAN AT TOP OF CONCRETE DECK



PLAN AT TOP OF S.S.PILING

SECTION B-B

DETAILS OF LADDER L-2
SCALE: ¾"=1'-0"
3-REQ'D

BILL OF TIMBER AND ANCHORS FOR CURBS

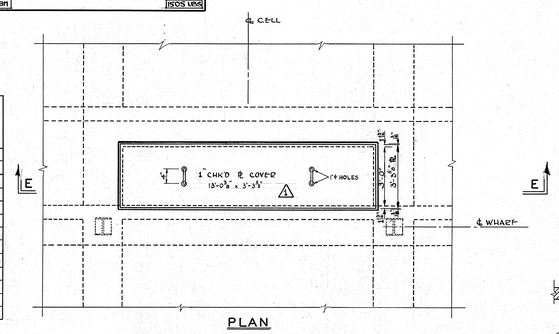
DESCRIPTION	QUANTITIES PER CELL 1	2 ÷ 7	8	9	SUB TOTALS
TIMBER CURBS: 10" x 12"	0.343 M	6 x 0.343 M	1.18 M		7.75 M
TIMBER BLOCKS: 2" x 12" x 2'-0"	0.096 M	6 x 0.096 M	0.112 M		0.78 M
CURB ANCHORS: (COMPLETE)	24	6 x 24	28		196
1"ϕ M.BOLT 12" LG					
1"ϕ " 8" "					
(1⅝" HEX) 1-4" LG HEX. COUPLING					
(1¼"ϕ HOLE) 1-⅝"ϕ & WASHER 3/4"					

TOTALS: TIMBER: 8.86 M FBM, CURB ANCHORS: 196 @ 7.74# EACH = 1516 LBS
8-074 M FBM — 1516 LBS

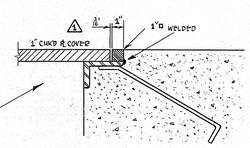
BILL OF REINFORCING STEEL FOR BOLLARD BASES AND LADDERS

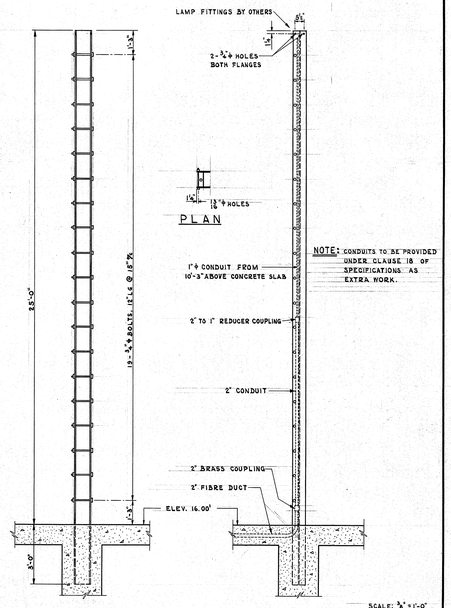
MARK	DESCRIPTION	SIZE	LENGTH	No REQ'D PER UNIT	No REQ'D TOTAL	LINEAL FEET ⅝"ϕ	½"ϕ	1"ϕ	1"□
B-50	STRAIGHT	⅝"ϕ	4'-0"	3	54	216			
B-29	A=5'-4" B=3'-8"	½"ϕ	10'-4"	1	8		83		
B-30	A=5'-7" B=5'-0"	½"ϕ	10'-10"	2	16		174		
B-31	A=5'-4" B=2'-0"	½"ϕ	9'-2"	1	10		92		
B-32	A=3'-7" B=2'-0"	½"ϕ	9'-8"	2	20		194		
B-27	" " "	1"ϕ	2'-0"	087	69			175	
B-26	SEE DETAIL ON DWG.	1"□	2'-9"	9	72				198
B-28	" " "	1"□	3'-8"	9	27				86
	LINEAL FEET (SUB TOTALS)					216	543	175	284
	WEIGHT OF REINF. (SUB TOTALS)					82	363	462	946
	TOTAL WEIGHT OF REINF'G STEEL*					1873 LBS OR 0.9365 TON			

* THIS REINF'G INCLUDED WITH "AS BUILT" CELL STEEL.



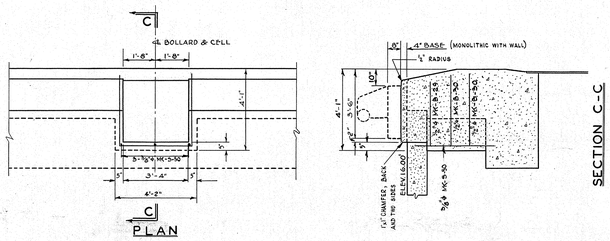
PLAN





PLAN

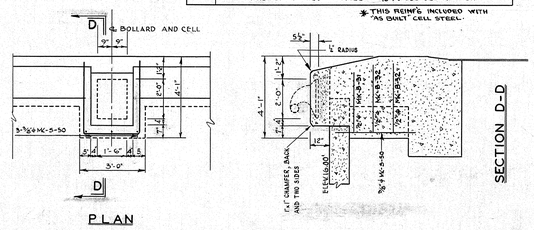
DETAIL OF NAVIGATION LIGHT POST
SCALE: ¾"=1'-0"



PLAN

SECTION C-C

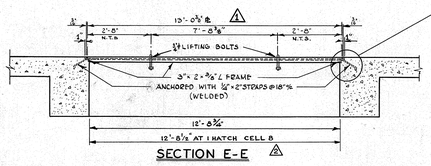
TYPICAL DETAIL OF BOLLARD BASE FOR BOLLARD TYPE 2
SCALE: ¾"=1'-0"
8-REQ'D



PLAN

SECTION D-D

TYPICAL DETAIL OF BOLLARD BASE FOR BOLLARD TYPE 1
SCALE: ¾"=1'-0"
10-REQ'D



SECTION E-E
SCALE: ¾"=1'-0"
9-REQ'D

DETAILS OF HATCH COVER & FRAME

MARK	DESCRIPTION	DATE	MADE
3	AS BUILT	FEB /66	R.J.G.
2	ADDITIONAL HATCH IN CELL 8.	SEPT. 1 1954	E.K.
1	HATCH COVER & DIMENSIONS	AUG. 18 1954	E.V.H.

REVISIONS

PUBLIC WORKS OF CANADA
MONT LOUIS
GASPÉ COUNTY, QUEBEC.
WHARF CONSTRUCTION

GENERAL PLAN OF WHARF & MISCELLANEOUS DETAILS

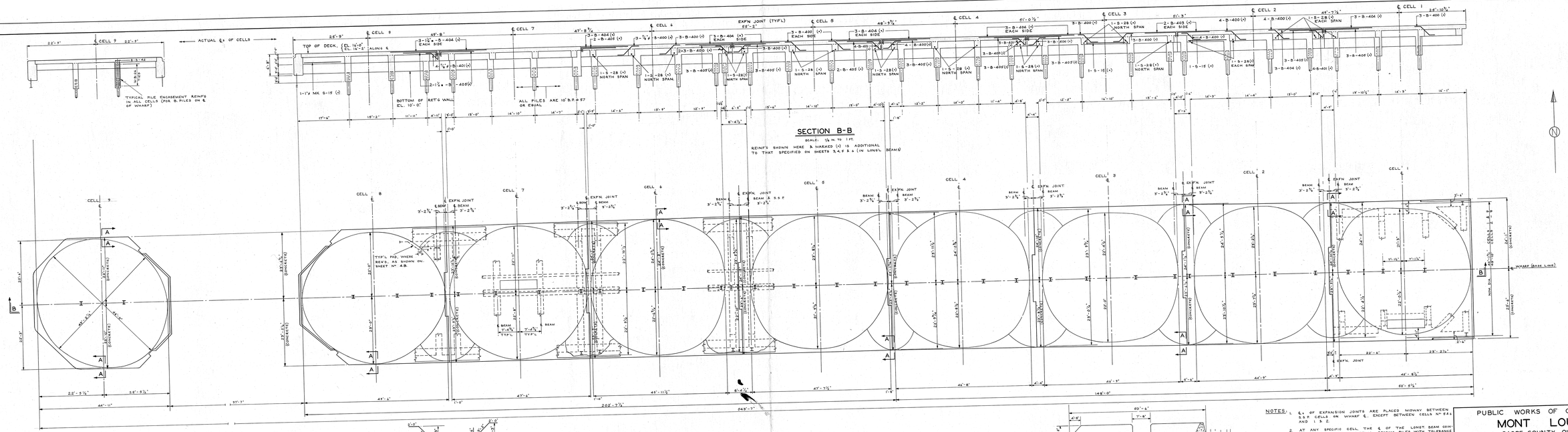
SCALE: AS SHOWN.

APPROVED BY: DISTRICT ENGINEER, RIMOUSKI, QUE.
SUPERINTENDING ENGINEER, PROVINCE OF QUEBEC
CHECKED: OTTAWA JAN. 20-1956.
APPROVED: OTTAWA JAN. 28-1956.
CHIEF ENGINEER

O. J. Mc CULLOCH & CO.
CONSULTING ENGINEERS, MONTREAL, QUE.
MADE: R.P.
TRCD: M.M.O.B.R.R.
CHKD: R.J.G.
APPROVED — DATE JAN. 27-1956.

SHEET No. 7 OF 7.
PLAN No. A-219

125-184-175R
2.0/99


SECTION B-B
SCALE: 1/4 IN. TO 1 FT.
REINF'S SHOWN HERE & MARKED (-) IS ADDITIONAL TO THAT SPECIFIED ON SHEETS 3,4,5 & 6 (IN LONG'L BEAMS)
LAYOUT OF S.S.P. CELLS & CONCRETE DECK (OUTLINE) - AS BUILT.
SCALE: 1/8 IN. TO 1 FT
TYPICAL SECTION A-A
SCALE: 1/8 TO 1'-0"
BENDING OF ADDITIONAL BARS*
SHOWN ON SECTION "B-B" AS (-)
*THESE BARS ARE IN ADDITION TO THOSE CALLED FOR ON DWGS. NOS. 3 TO 6. THE QUANTITY & LENGTH OF BARS CALLED FOR ON DWGS. 3 TO 6 HAVE BEEN ALTERED TO SUIT REQUIREMENTS OF "AS BUILT" DIMENSIONS.
TYPICAL PILE ENCASEMENT REINF'S IN ALL CELLS (FOR 8 PILES ON ℄ OF WHARF)
TYPICAL SECTION
ELEVATION A-A
PLAN
CELL 1 BREAKWATER
NOT TO SCALE
SECTION B-B
NOTES:
1. ℄s OF EXPANSION JOINTS ARE PLACED MIDWAY BETWEEN S.S.P. CELLS ON WHARF ℄, EXCEPT BETWEEN CELLS Nos 8 & 9 AND 1 & 2.
2. AT ANY SPECIFIC CELL, THE ℄ OF THE LONGT. BEAM COINCIDES WITH ℄ OF SUPPORTING BEARING PILES WITH TOLERANCE OF 4".
3. SLAB SURFACE RISES FROM EL. 16'-0" AT CORE WALLS TO EL. 16'-2" TO FORM CROWN AT WHARF ℄.
PUBLIC WORKS OF CANADA
MONT LOUIS
GASPE COUNTY, QUEBEC
WHARF CONSTRUCTION
PLAN SHOWING REVISED CONCRETE DECK LAYOUT TO SUIT PILING AS BUILT.
SCALE: 1/8" to 1'-0"
REVIEWED BY:
DISTRICT ENGINEER, RIMOUSKI, QUE.
CHECKED OTTAWA
APPROVED OTTAWA
CHIEF ENGINEER
O. J. McCULLOCH & CO.
CONSULTING ENGINEERS, MONTREAL, QUE.
MADE: EKM.
TRCD: S.E.R.
CHKD: R.J.G.
CERTIFIED CORRECT
AUG. 3 1959
DATE
TRACED - MARCH 5 - 1956
DWG. No. 200-B
PLAN No. A-219
125-184-1752