



- SPECIFICATIONS**
- ALL WELDING TO BE AS NOTED OR OTHERWISE FULL STRENGTH 6mm FILLET OR BUTT WELDS TO CSA W59-18.
 - STEEL FABRICATION TO CISC HANDBOOK OF STEEL CONSTRUCTION 11TH ED.
 - HSS AND W SECTIONS to CSA G40.21 350W or ASTM A572 GRADE 50.
PLATE & C SECTIONS to CSA G40.21 300W or ASTM A572 GRADE 44.
 - JOINTS AND CONNECTIONS SHALL BE BY WELDING UNLESS INDICATED OTHERWISE.
- STEEL SHEET PILING (SSP) & CELL CONSTRUCTION**
- CONTRACTOR SHALL PROVIDE ALL EQUIPMENT GUIDES AND MATERIALS TO INSTALL THE PILES AND CELLS AS INDICATED.
 - PRIOR TO ORDERING PILES DRIVE TEST PILES OR BARS TO AT LEAST THE PILE DEPTHS INDICATED OR TO BEDROCK AT THE EAST AND WEST ENDS OF EACH CELL TO CONFIRM PILE LENGTHS REQUIRED. CONFIRM TEST PILE LENGTHS WITH THE ENGINEER PRIOR TO ORDERING.
 - CLEAR THE LAKEBED OF OBSTRUCTIONS & BOULDERS THAT MAY INTERFERE WITH INSTALLATION
 - PILES ARE TO BE DRIVEN TO REFUSAL ON BEDROCK OR TO DEPTHS INDICATED.
 - PILES ARE TO BE POSITIONED WITHIN 25mm OF THE LOCATIONS INDICATED AND LINKED TOGETHER IN FULL CELLS PRIOR TO FINAL DRIVING. CONTRACTOR SHALL PERFORM ANY ADDITIONAL WORK REQUIRED TO ADJUST CONSTRUCTION AND BRIDGE COMPONENTS TO FIT AS A RESULT OF PILES INSTALLED OUT OF POSITION AT NO ADDITIONAL COST TO THE OWNER.
 - PILES ARE TO BE CUT OFF TO ELEVATIONS INDICATED. PILES AT ENDS OF CELLS SHALL BE DRIVEN FULL SUPPLIED LENGTH.
 - CUT 36mmØ HOLES IN PILES FOR TIE RODS & WALE BOLTS.
 - INSTALL PILE CAPS, PLATES, WALES AND TIE RODS, SUPPORT TIE RODS PRIOR TO BACKFILLING
 - BACKFILL WITH APPROVED STORED GRANULAR AND IMPORTED GRANULAR MATERIAL, IF REQUIRED, EVENLY ACROSS THE CELLS
 - INSTALL STORED & RECLAIMED RIP RAP & ARMOUR STONE ALONG SSP AS INDICATED.
 - INSTALL CONDUIT SLEEVES
 - INSTALL GRANULAR FILL TO UNDER SLAB LEVEL AND COMPACT TO 150kPa BEARING CAPACITY
 - INSTALL REBAR AND PLACE PROTECT AND CURE CONCRETE.

COMPONENT						
Part	Item	Description	Mat'l	Size	Quantity	Notes
SSP-1	STEEL SHEET PILE	ROLL FORM S80 or EQ S=528cm ³ /m, T=8.0mm	350W/GR 50	2.5, 4.2 & 5.5m		W/Roll Form S Pile Cap
W-1	Side SSP WALES	2-C130x13 (C5x9)	300W	8460x2	50.76m	
W-2	End SSP WALES	2-C130x13 (C5x9)	300W	3525x2	21.15m	
TR-1	TIE ROD	32mmØ Threaded Tie Rod	ASTM A615 GRADE 75	32Ø x 3750	10	W/Nut & 100x120x12.7 Plate outside
TR-2	TIE ROD	32mmØ Threaded Tie Rod	"	32Ø x 8650	4	W/Nut & 100x120x12.7 Plate outside
WB-1	WALE BOLT	Bolt W/Plate Nut & 2 Washers	A307	32Ø x 200 (1¼"x8")	62	W/100x120x12.7 Plate inside & Round washer outside
	CONCRETE	DECK CONCRETE	CSA C-2			

UNITS: All dimensions are in mm unless noted otherwise.



SECTION DESIGNATION
SHEET # WHERE SECTION IS SHOWN



SECTION DESIGNATION
SHEET # WHERE SECTION IS FROM

5	ARMOUR STONE & RIP RAP - FOR TENDER	17 AUG 21	CE
4	FOR TENDER	08 JUN 21	CE
3	FOR TENDER	14 MAY 21	CE
REV.	DESCRIPTION	DATE	BY
E7 Engineering 64 YORK ST., UDORA, ONT., CANADA, LOC 1L0 705 228 8412, 905 960 2096, project@e7.ca			
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PARKS CANADA PARCS CANADA 901 WYE VALLEY RD., BOX 9, MIDLAND ON L4R 4K6			
BEAUSOLEIL ISLAND TOBEY DOCK RECONSTRUCTION PIER PLAN & SECTION			
Contract PARKS CANADA	SCALE - UNO 1:125	Drawing No. 3330-2	SHEET 2.0 REVISION 5