



Fisheries
and Oceans

Pêches
et Océans

Real Property,
Safety & Security

Biens immobiliers,
protection et sécurité

FLOATING DOCK CONSTRUCTION - BURGEO LIFEBOAT STATION

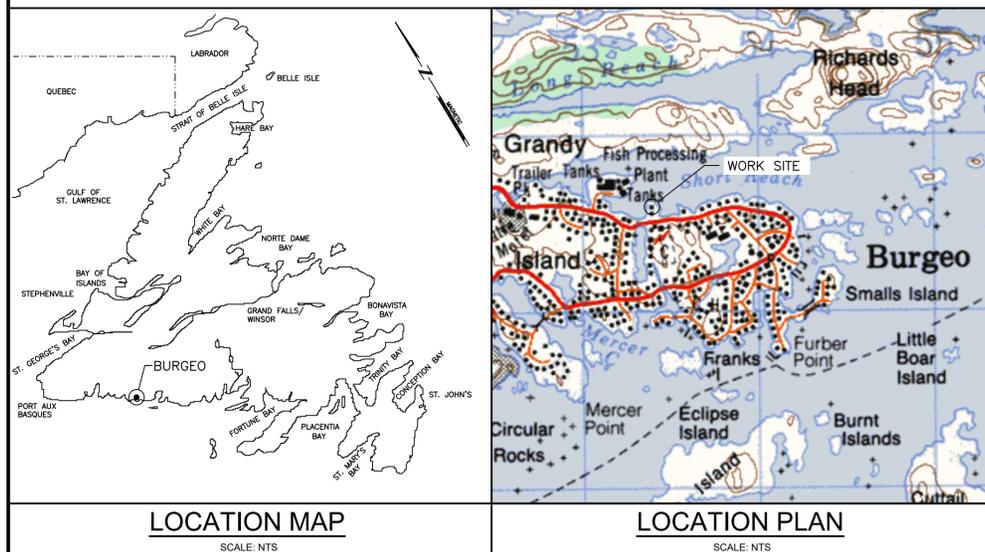
BURGEO, NEWFOUNDLAND AND LABRADOR

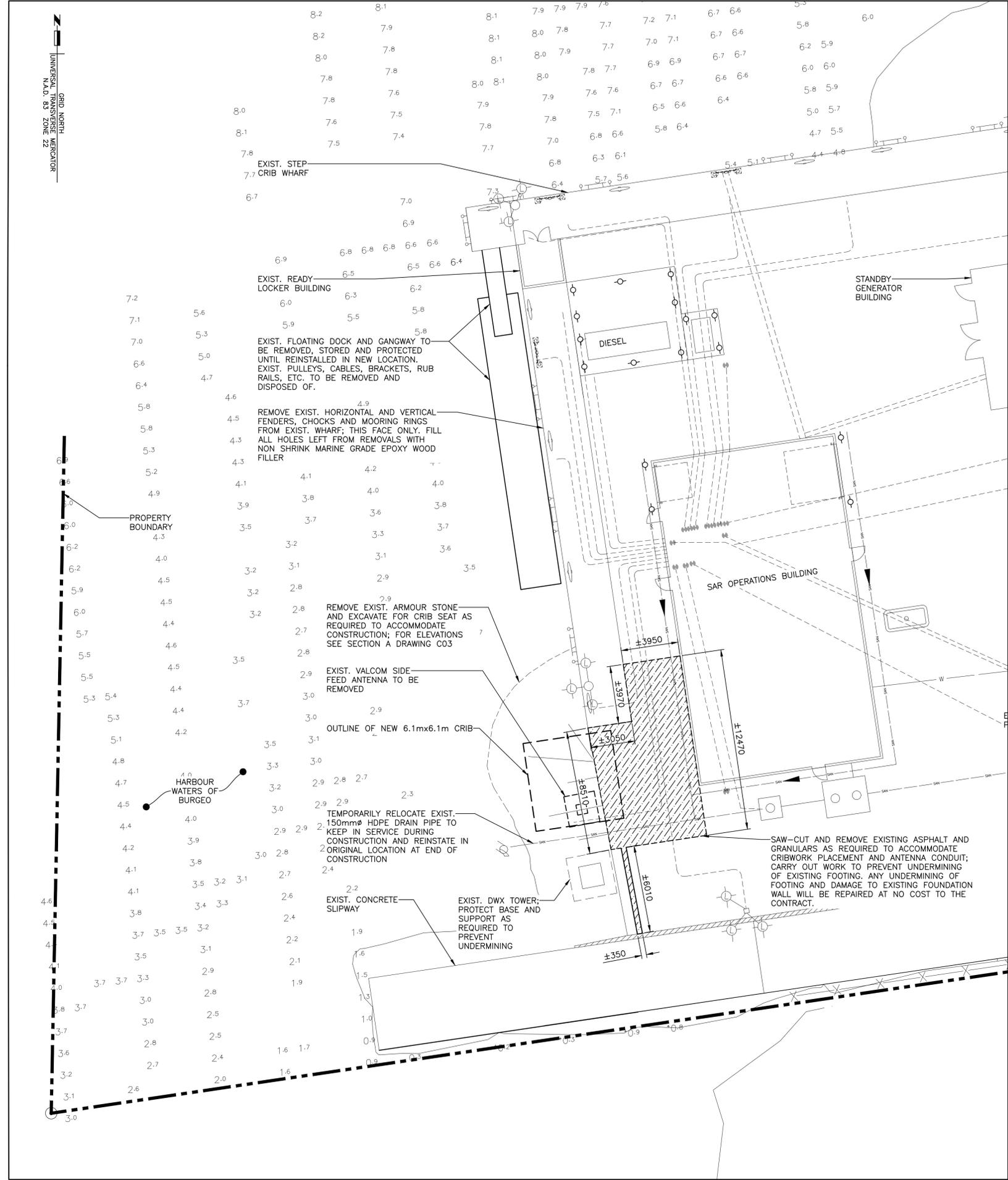
DRAWING LIST

F6879-219215



NO.	DRAWING NAME
CIVIL	
C01	EXISTING SITE PLAN
C02	NEW SITE PLAN
C03	PLAN, ELEVATION AND DETAILS
C04	REPAIR WORKS
C05	SECTIONS AND DETAILS
C06	FLOATING DOCK DETAILS
C07	FLOATING DOCK DETAILS
C08	FLOATING DOCK DETAILS
C09	FLOATING DOCK DETAILS
C10	EXISTING FLOATING DOCK MODIFICATIONS AND DETAILS
C11	EXISTING FLOATING DOCK MODIFICATIONS AND DETAILS
ELECTRICAL	
E01	SITE PLAN AND DETAILS





- LEGEND:**
- CLEAT
 - ELECTRICAL OUTLET
 - FUEL PUMP
 - LADDER
 - MANHOLE
 - UTILITY POLE
 - BOLLARD
 - LADDER
 - LIGHT POLE
 - FENCE LINE
 - U/G POWER LINES
 - STORM LINE
 - SANITARY LINE
 - WATER LINE
 - VALVE
 - SOUNDINGS (BELOW L.N.T)
 - EXISTING ELEVATIONS
 - LIMIT OF ASPHALT REMOVAL

NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) NOV.20,21,2001

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST VEL OF SOUND 1480 m/s
DEPTH GATE USED N/A **FRE. OF TRANS.** 210 kHz

POSITIONING SYSTEM USED DGPS (WITH OTF)
LAND SURVEY POSITION BY TRIMBLE DGPS

DATA TAPE/DISC(S) USED
CAD DRAWING FILE(S):

TIDAL REDUCTION SCHEME DGPS (WITH OTF)

OFFICE PROCESSOR RICHARD HEALEY
DATE OF PROCESSING NOVEMBER 21,2001

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH X LENGTH 1.5 X 1.5
REDUCTION OF MATRIX CELLS

CONTROL POINTS:	PL. NAME	NORTHING	EASTING	CD ELEV	DESCRIPTION
	89G6157	5273646.758	453708.293	+40.30	C.L. mon. SET IN BEDROCK
	PWC 4-2001	5273886.707	453338.653	+3.52	BOLT SET IN CONC. DECK
	PWC 5-2001	5273759.429	453484.350	+13.53	X-CUT IN "I" BOLT WITH RING
	BM 1-1979	5273899.014	453341.104	+3.405	CHS BENCH MARK (ONLY STEM REMAINING)
	BM 2-1979			+5.728	CHS BENCH MARK SET IN CONC. STEP

ALL SOUNDINGS & ELEVATIONS IN METRES.
 ALL SOUNDINGS & ELEVATIONS REFERRED TO BM 1-1979,ELEV. +3.405 m ABOVE CHART DATUM.

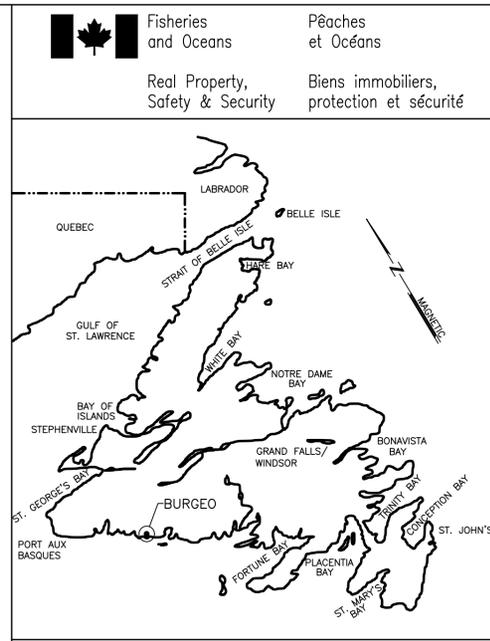
SOUNDINGS WERE TAKEN USING A KNUDSEN 320B/P SOUNDER AND POSITIONED BY DIFFERENTIAL GPS POSITIONING EQUIPMENT ON NOV.20,2001 BY PWC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE REFERENCED TO C.L.mon. 89G6157 AND ARE GIVEN ON THE UTM MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1983(NAD83).

SEED OF SOUND WAS OBTAINED BY A DIGI-BAR METER LOWERED TO 10.0M.
 CHART BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION.

ALL FIELD NOTES ARE IN BURGEO FIELD BOOK#302.

- NOTES:**
- ALL DIMENSIONS IN MILLIMETERS, UNLESS OTHERWISE NOTED.
 - ALL ELEVATIONS IN METERS.
 - REINFORCED CONCRETE DECK, MINIMUM COMPRESSIVE STRENGTH OF 35MPa @ 28 DAYS.
 - DECK DESIGN LOAD CL 625.
 - REINFORCING STEEL YIELD STRENGTH TO BE 400MPa
 - ALL LAG SCREWS TO BE COUNTERSUNK.
 - ALL MACHINE BOLTS TO BE 19mmØ.
 - ALL HARDWARE TO BE GALVANIZED.
 - LOCATION OF ALL UNDERGROUND UTILITIES, PIPES AND ELECTRICAL CONDUITS ARE APPROXIMATE AND ARE TO BE VERIFIED BY THE CONTRACTOR; REPORT ANY DISCREPANCIES TO DEPARTMENTAL REPRESENTATIVE BEFORE COMMENCEMENT OF WORK.
 - CONTRACTOR TO PROTECT ALL UNDERGROUND UTILITIES, PIPES AND ELECTRICAL CONDUITS AND MAKE REPAIRS TO ALL DAMAGED AT CONTRACTORS OWN EXPENSE. COORDINATE ANY REQUIRED TEMPORARY SHUT DOWN OF UTILITIES WITH DEPARTMENTAL REPRESENTATIVE AND HARBOUR AUTHORITY.
 - CONTRACTOR TO CONFIRM AND DETERMINE ELEVATIONS OF EXISTING STRUCTURES TO REMAIN; CONTRACTOR TO ENSURE WORK BEING CONDUCTED DOES NOT DAMAGE OR UNDERMINE EXISTING STRUCTURES.
 - WORK IS BEING CARRIED OUT AT AN ACTIVE AND SECURE SEARCH AND RESCUE FACILITY. ACCESS TO THE SITE TO BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE. AT NO TIME DURING THE EXECUTION OF THE WORK SHALL LABOUR, EQUIPMENT AND MATERIALS FOR THE WORK IMPEDE ON OR AFFECT THE ABILITY OF THE SEARCH AND RESCUE OPERATIONS OF THE SITE INCLUDING THOSE TIMES WHEN NOT ON SITE.
 - CONTRACTOR IS RESPONSIBLE FOR FIELD AND LABORATORY QUALITY CONTROL TESTING OF MATERIALS INCLUDING BUT NOT LIMITED TO GRANULARS, CONCRETE AND ASPHALT. SEE SPECIFICATION SECTIONS FOR TESTING REQUIREMENTS.
 - PROTECTION TO EXISTING ASPHALT AND SURROUNDING FINISH SURFACES SHALL BE PROVIDED FOR ALL EQUIPMENT WORKING ON THE SITE. PRIOR TO MOBILIZATION ADVISE THE DEPARTMENTAL REPRESENTATIVE OF PROPOSED PROTECTION MEASURES FOR REVIEW AND APPROVAL.
 - PRIOR TO INSTALLING ANY ELEMENTS OF THE WORK THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND THE ABILITY OF THE EXISTING WORK TO ACCEPT THE NEW WORK.
 - HOLES FOR LAG SCREWS SHALL BE PRE-DRILLED IN ACCORDANCE WITH THE FOLLOWING:
 - 13mmØ LAG SCREWS WITH A MAXIMUM 6.25mmØ DRILL BIT.
 - 16mmØ LAG SCREWS WITH A MAXIMUM 9.4mmØ DRILL BIT.
 - 19mmØ LAG SCREWS WITH A MAXIMUM 12.7mmØ DRILL BIT
 - 32mmØ LAG SCREWS WITH A MAXIMUM 16.0mmØ DRILL BIT.
 NO LARGER SIZE OF DRILL BIT WILL BE PERMITTED. NO REDRILLING OF HOLE TO WIDEN THE HOLE PERMITTED.
 - CONTRACTOR SHALL COORDINATE DIMENSIONS AND SYSTEMS FOR ANY WORK CONSTRUCTED OFFSITE WITH WORK CONSTRUCTED ONSITE. SUCH SYSTEMS INCLUDE BUT ARE NOT LIMITED TO FLOATING DOCK GUIDES AND CONNECTION FRAMES.



KEY LOCATION PLAN

PROFESSIONAL ENGINEER

JACK CAINES

PE 0000000000

PROVINCE OF NEWFOUNDLAND AND LABRADOR

ENGINEERING PERMIT D0178

CBCL Limited

M.I.R.C. JACK CAINES #03559

Signature or Member Number (Member-in-Responsible Charge)

0	ISSUED FOR TENDER	OCT 20 2021	JRB	JRC
no.	revision	date	by	approved
no.	revision	date	par	approve

Project - projet

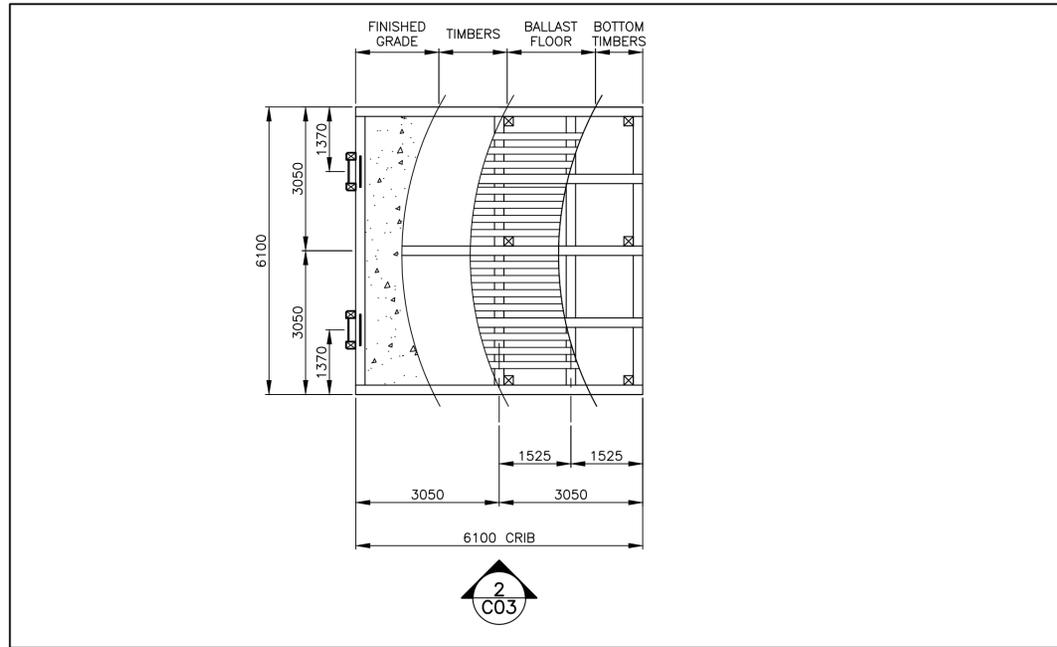
FLOATING DOCK CONSTRUCTION - BURGEO LIFEBOAT STATION BURGEO, NL

Drawing - dessin

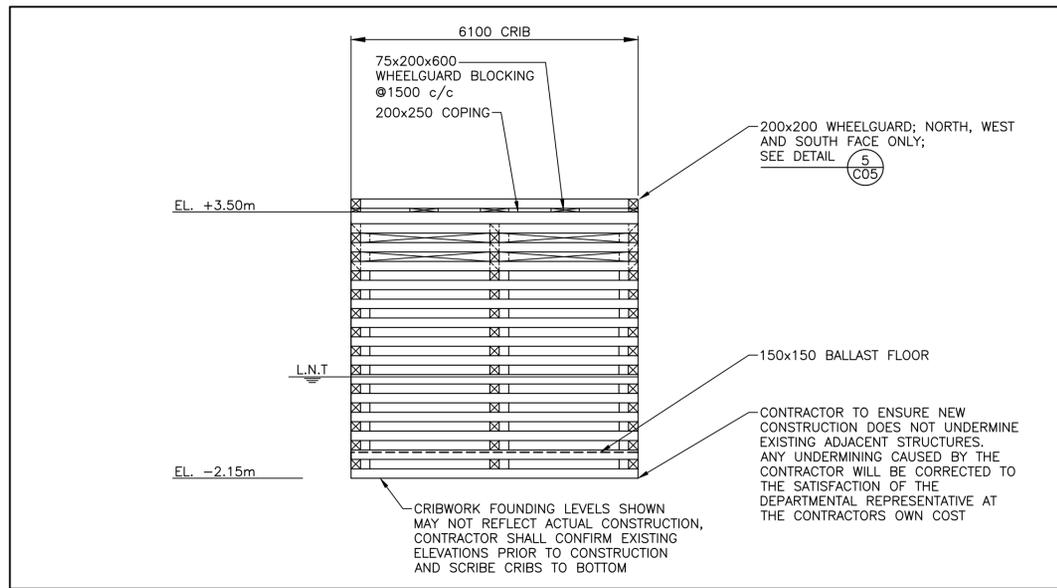
CIVIL

EXISTING SITE PLAN

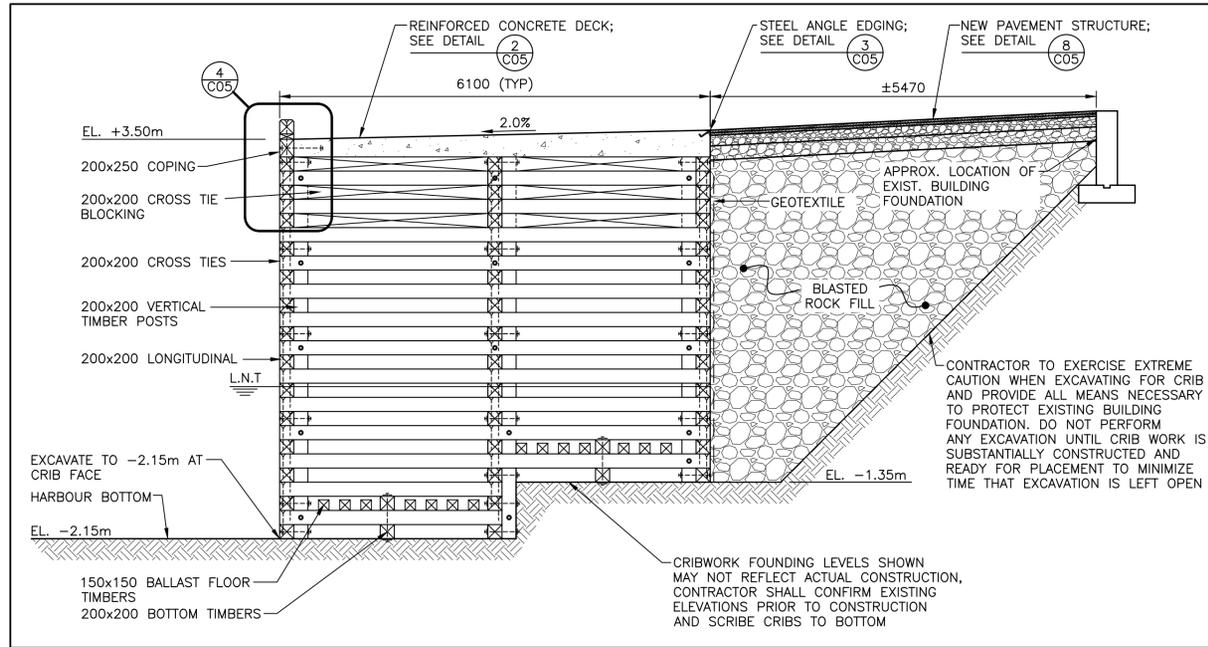
drawn - dessin	JENNIFER BOYD	designed - dessiné par	CALVIN HOLLETT
date - date	JULY 20, 2021	checked - vérifié	JACK CAINES
scale - échelle	AS SHOWN	approved for tender - approuvé pour l'offre	AS SHOWN
project no. - projet no.	F6879-219215	drawing no. - no du dessin	-
		sheet - feuille	C01



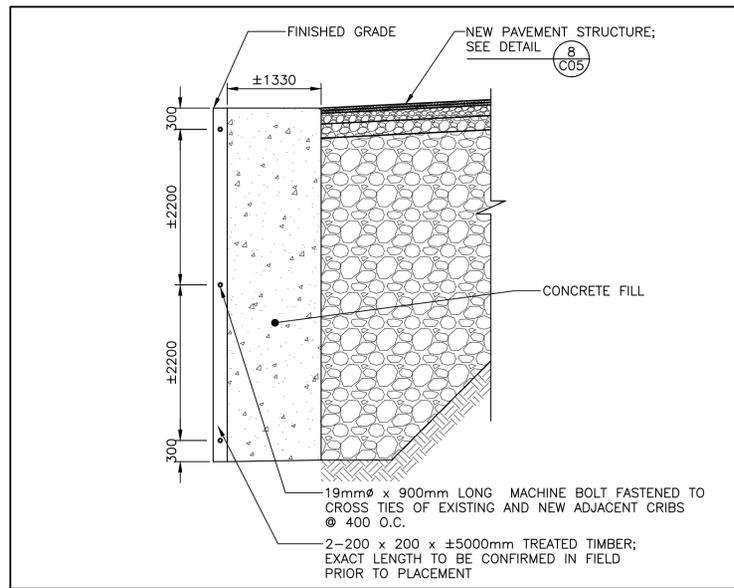
CRIB WORK PLAN
 SCALE : 1:75
 1 C03



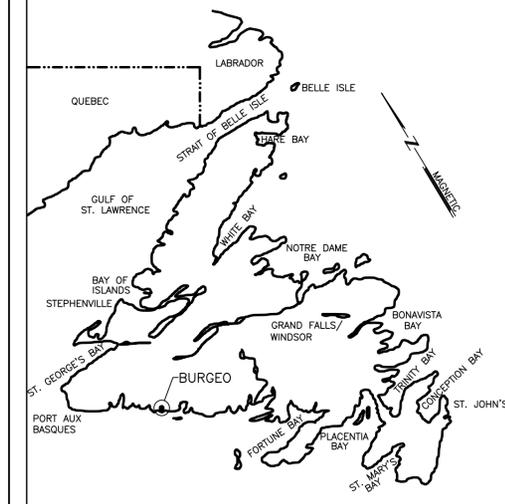
CRIB WORK ELEVATION
 SCALE : 1:75
 2 C03



CROSS SECTION - TIMBER CRIB
 SCALE : 1:50
 A C02/C03



DETAIL - VERTICAL SPACER TIMBERS
 SCALE : 1:50
 3 C02/C03



KEY LOCATION PLAN

NOTES:
 1. SEE DRAWING C01 FOR NOTES.



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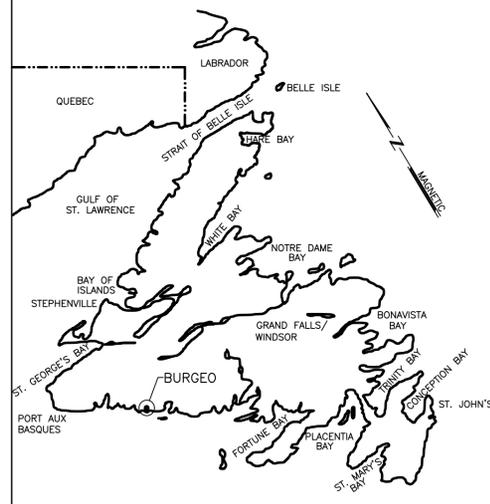
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no.	revision	date	par	approve

Project - projet
FLOATING DOCK CONSTRUCTION - BURGEO LIFEBOAT STATION BURGEO, NL

Drawing - dessin
CIVIL
PLAN, ELEVATION AND DETAILS

drawn - dessiné JENNIFER BOYD	designed - dessiné par CALVIN HOLLETT
date - date JULY 20, 2021	checked - vérifié JACK CAINES
scale - échelle AS SHOWN	approved for tender - approuvé pour l'offre AS SHOWN

project no. - projet no. F6879-219215	drawing no. - no du dessin -	sheet - feuille C03
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KEY LOCATION PLAN



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 M.J.R.C. JACK CAINES #035559
 Signature or Member Number
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no.	revision	date	par	approve

Project - projet
**FLOATING DOCK CONSTRUCTION -
 BURGEO LIFEBOAT STATION
 BURGEO, NL**

Drawing - dessin
CIVIL
REPAIR WORKS

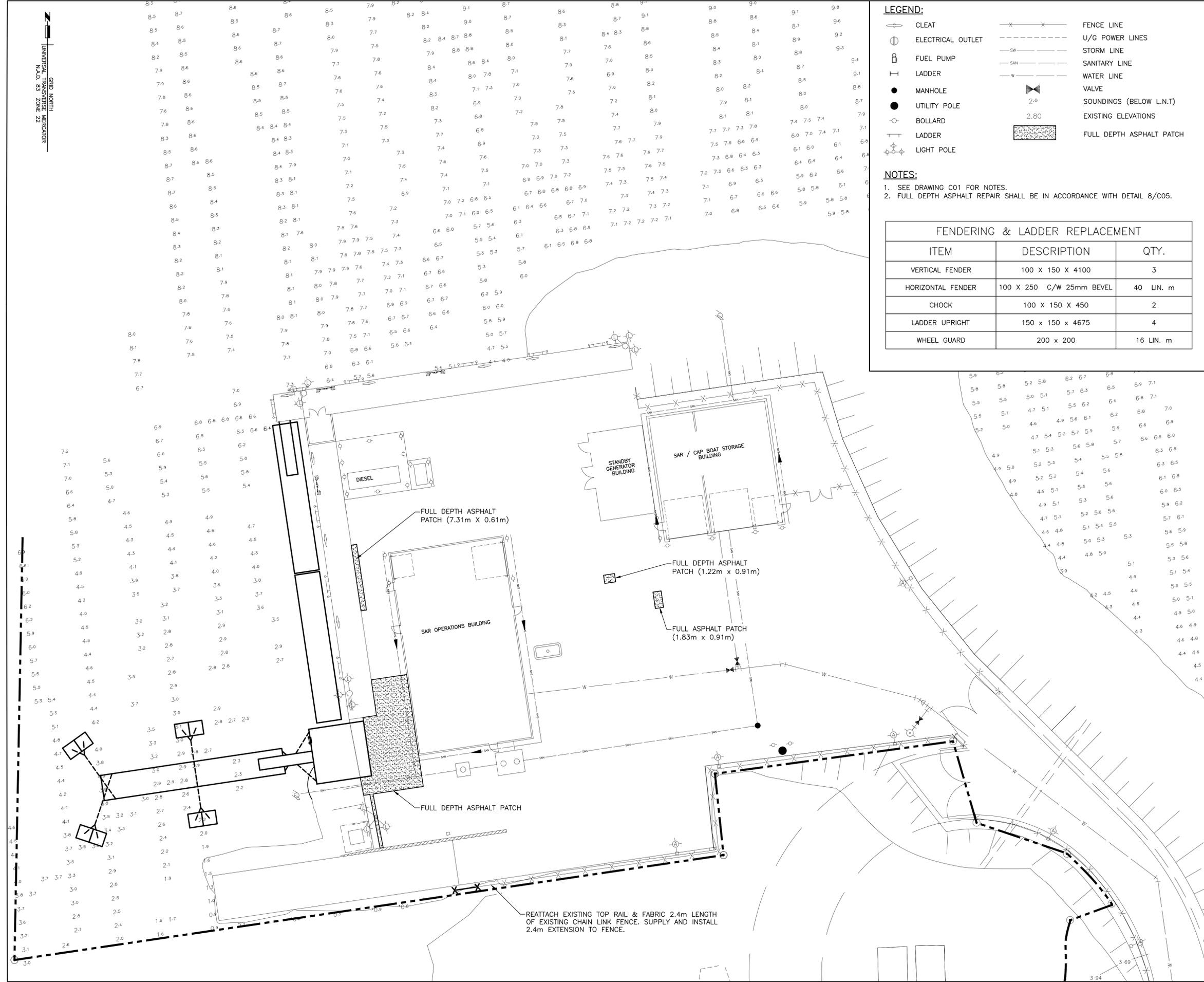
drawn - dessiné
 JENNIFER BOYD
 date - date
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 scale - échelle
 AS SHOWN

designed - dessiné par
 CALVIN HOLLETT
 checked - vérifié
 JACK CAINES
 approved for tender - approuvé pour l'offre

project no. - projet no.
F6879-219215

drawing no. - no du dessin
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sheet - feuille
C04



LEGEND:

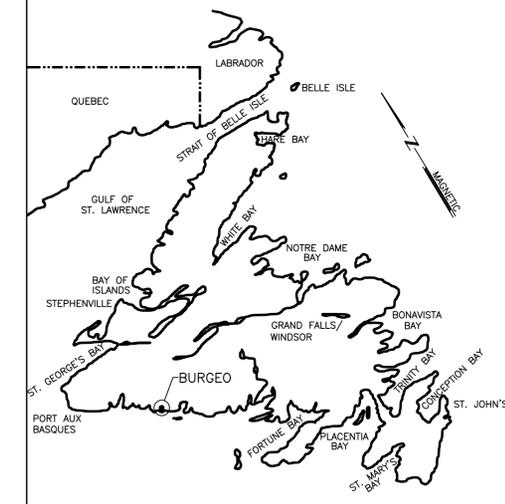
- CLEAT
- ELECTRICAL OUTLET
- FUEL PUMP
- LADDER
- MANHOLE
- UTILITY POLE
- BOLLARD
- LADDER
- LIGHT POLE
- FENCE LINE
- U/G POWER LINES
- STORM LINE
- SANITARY LINE
- WATER LINE
- VALVE
- SOUNDINGS (BELOW L.N.T)
- EXISTING ELEVATIONS
- FULL DEPTH ASPHALT PATCH

NOTES:
 1. SEE DRAWING C01 FOR NOTES.
 2. FULL DEPTH ASPHALT REPAIR SHALL BE IN ACCORDANCE WITH DETAIL 8/C05.

FENCING & LADDER REPLACEMENT

ITEM	DESCRIPTION	QTY.
VERTICAL FENDER	100 X 150 X 4100	3
HORIZONTAL FENDER	100 X 250 C/W 25mm BEVEL	40 LIN. m
CHOCK	100 X 150 X 450	2
LADDER UPRIGHT	150 x 150 x 4675	4
WHEEL GUARD	200 x 200	16 LIN. m

REPAIR WORKS
 SCALE : 1:200

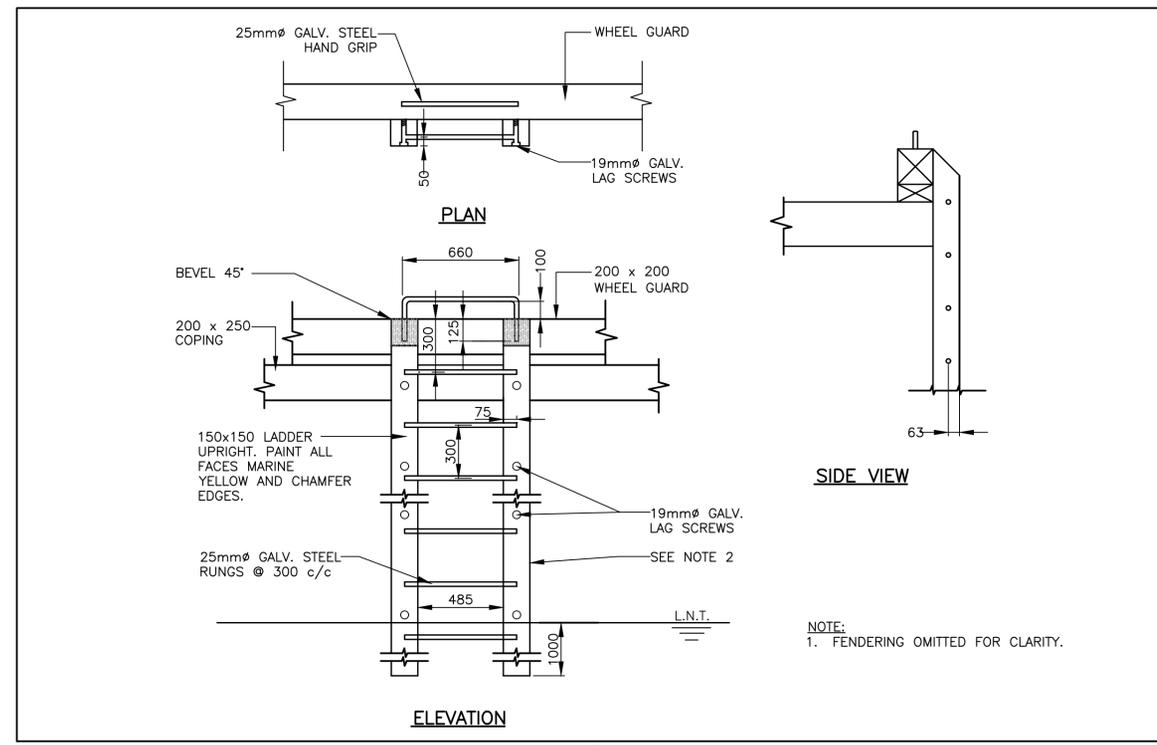


KEY LOCATION PLAN

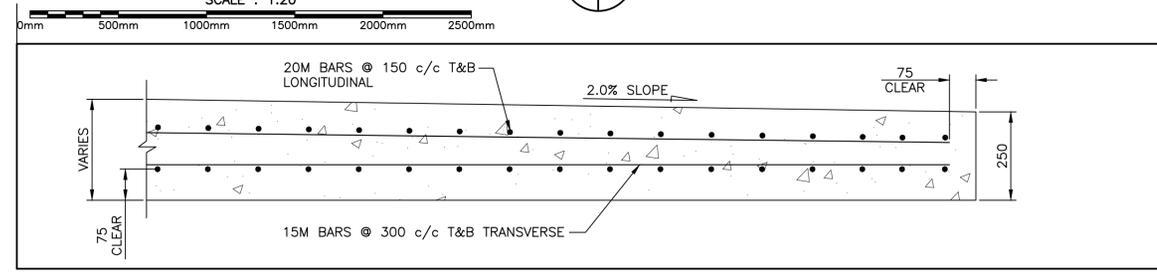
NOTES:
 1. SEE DRAWING C01 FOR NOTES.



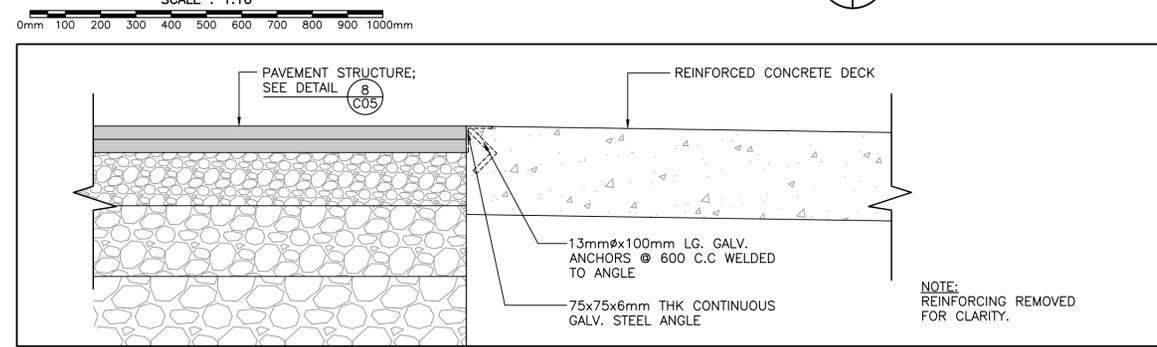
PROVINCE OF NEWFOUNDLAND AND LABRADOR
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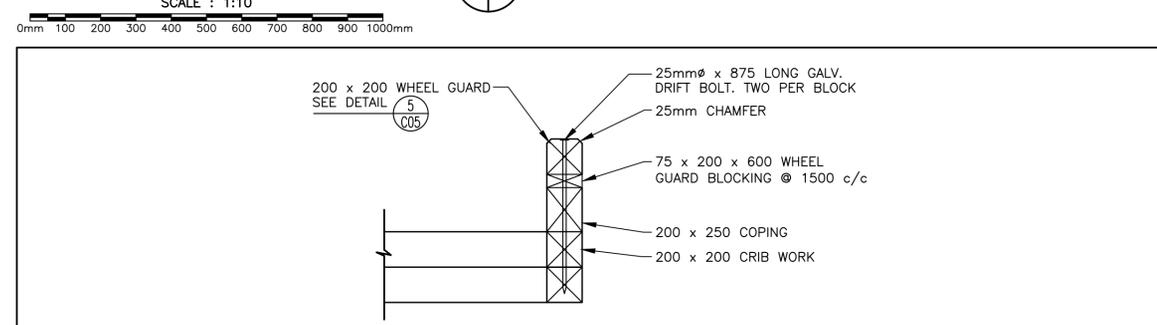
DETAIL-TYPICAL LADDER
 SCALE: 1:20



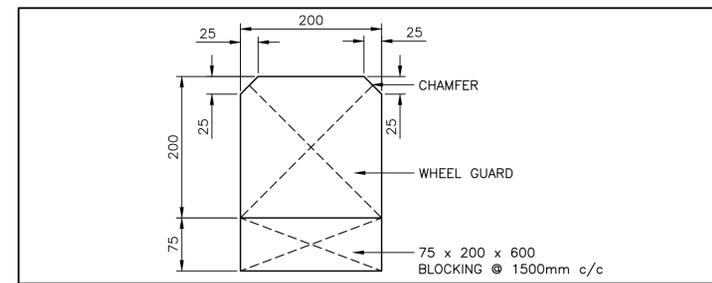
DETAIL-WHARF CONCRETE DECK REINFORCING
 SCALE: 1:10



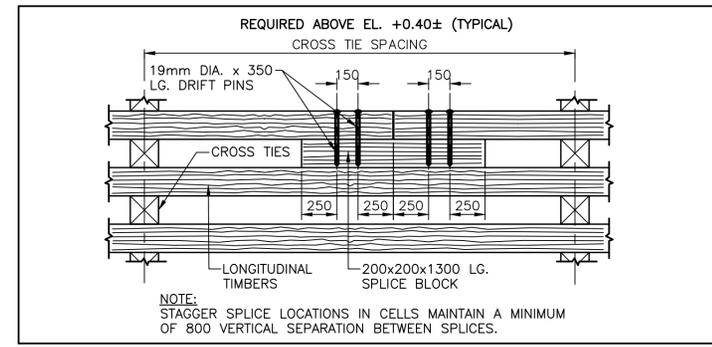
SECTION-STEEL ANGLE EDGING
 SCALE: 1:10



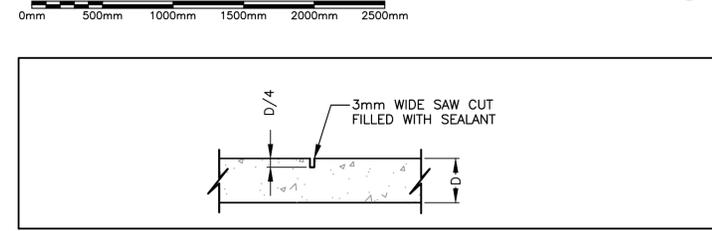
DETAIL-WHEEL GUARD AND COPING
 SCALE: 1:20



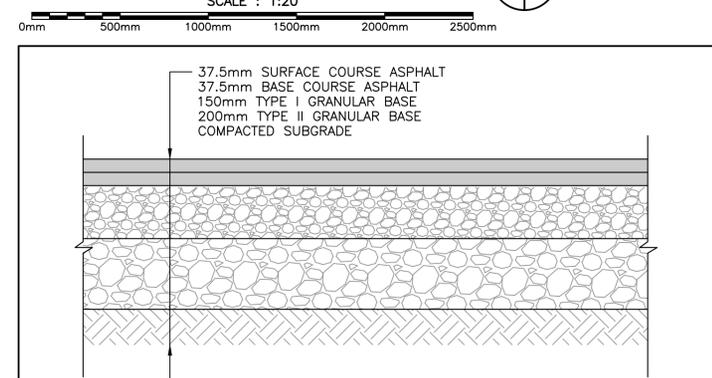
SECTION-WHEEL GUARD
 SCALE: 1:5



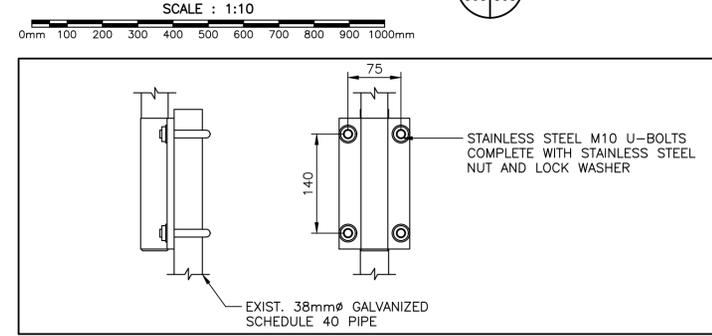
DETAIL-TYP. SPLICE IN LONGITUDINAL TIMBERS
 SCALE: 1:25



DETAIL-TYPICAL CONTROL JOINT
 SCALE: 1:20



DETAIL-PAVEMENT STRUCTURE
 SCALE: 1:10



DETAIL - ANTENNA POLE MOUNT
 SCALE: 1:5

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Project - projet
**FLOATING DOCK CONSTRUCTION -
 BURGEO LIFEBOAT STATION
 BURGEO, NL**

Drawing - dessin
CIVIL
SECTIONS AND DETAILS

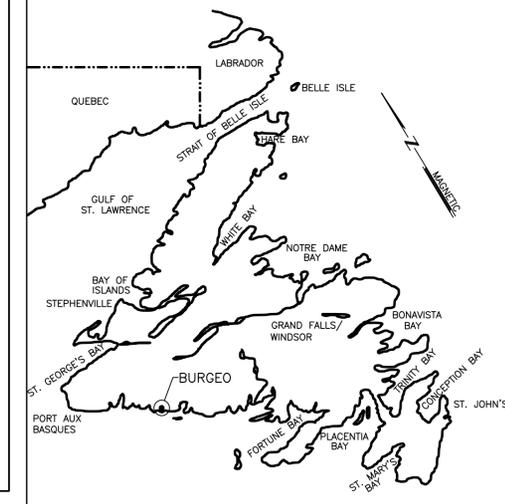
drawn - dessiné
 JENNIFER BOYD
 date - date
 JULY 20, 2021
 scale - échelle
 AS SHOWN

designed - dessiné par
 CALVIN HOLLETT
 checked - vérifié
 JACK CAINES
 approved for tender - approuvé pour l'offre
 AS SHOWN

project no. - projet no.
F6879-219215

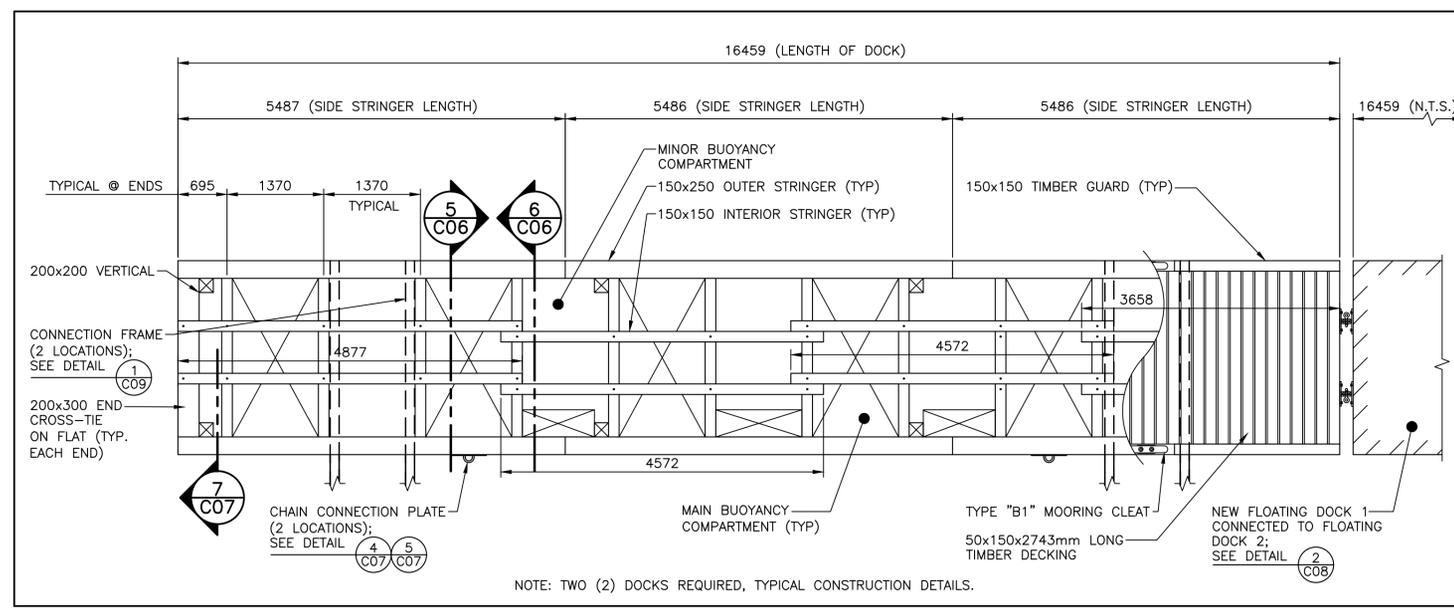
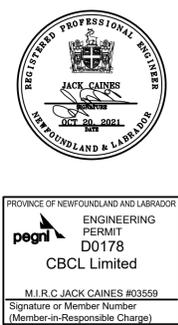
drawing no. - no du dessin
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sheet - feuille
C05



KEY LOCATION PLAN

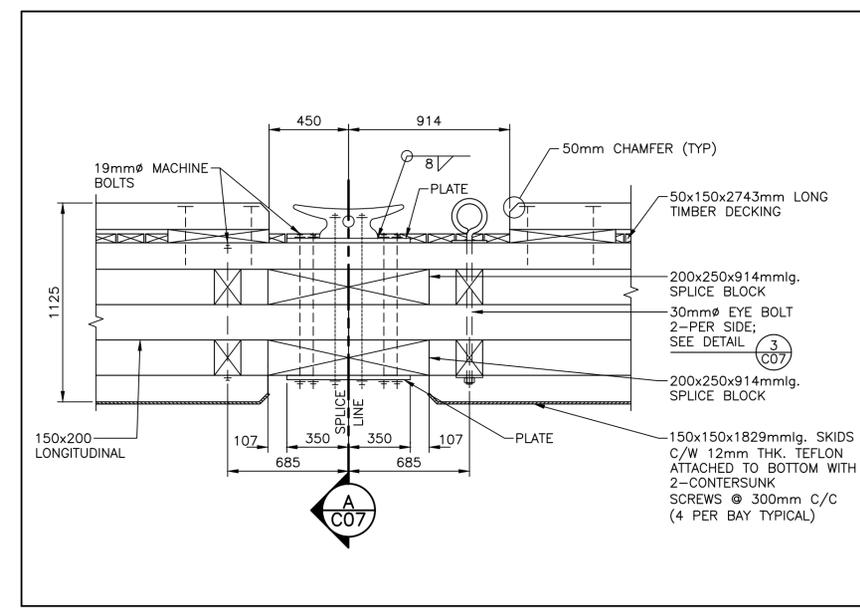
NOTES:
 1. SEE DRAWING C01 FOR NOTES.



PLAN - FLOATING DOCK

SCALE : 1:50

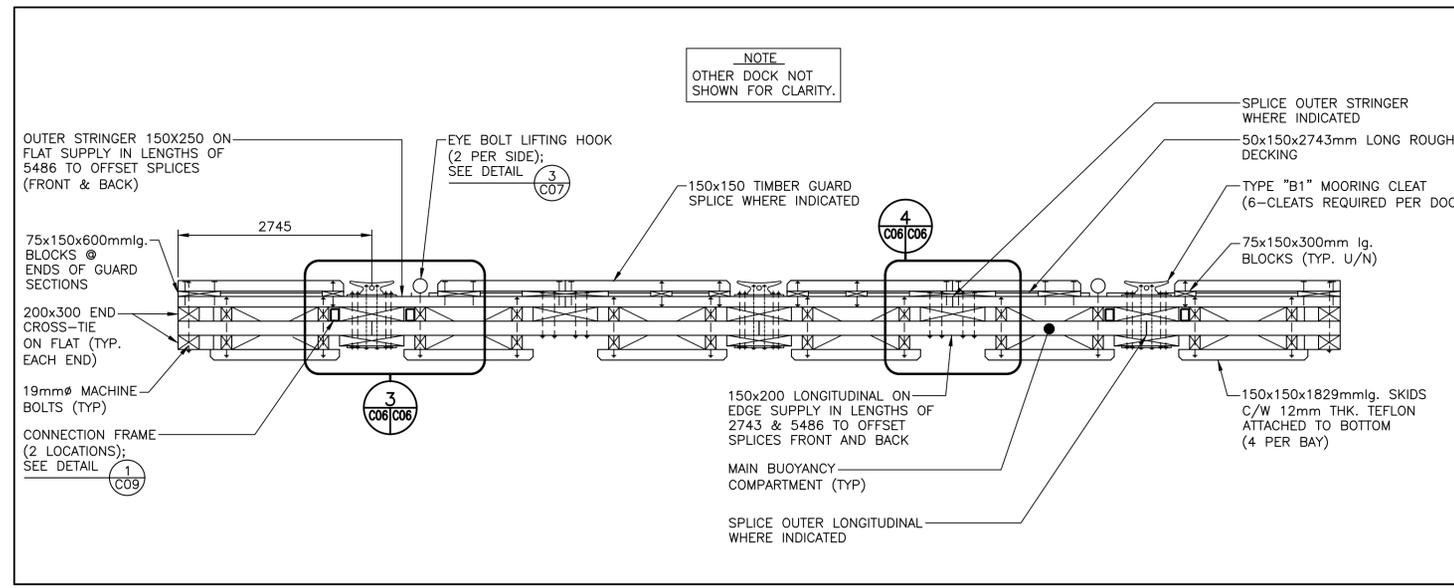
1
C02/C06



DETAIL - LONGITUDINAL SPLICE (3 PER SIDE)

SCALE : 1:20

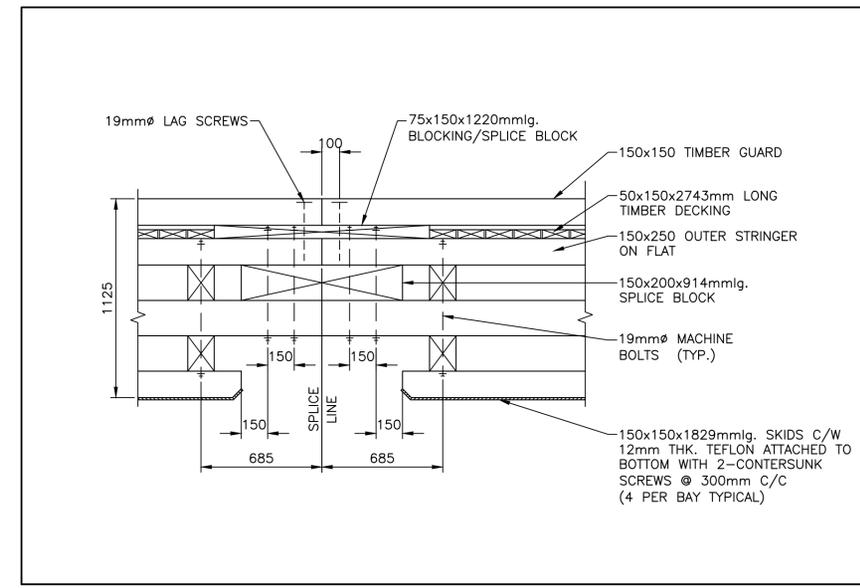
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C06/C06



ELEVATION - FLOATING DOCK

SCALE : 1:50

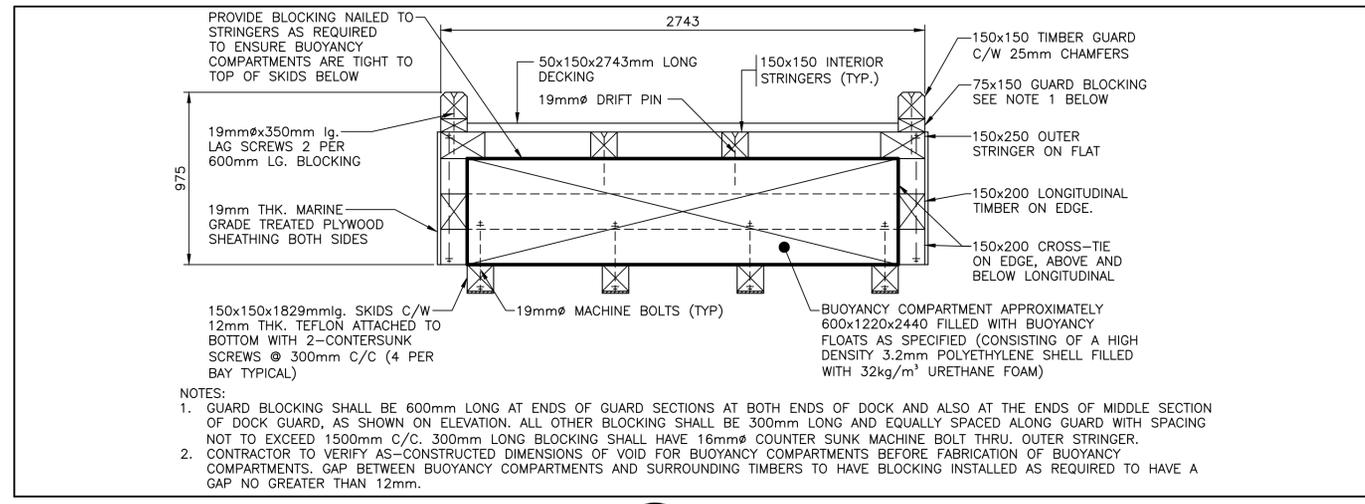
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C06/C06



DETAIL - OUTER STRINGER/GUARD SPLICE (2 PER SIDE)

SCALE : 1:20

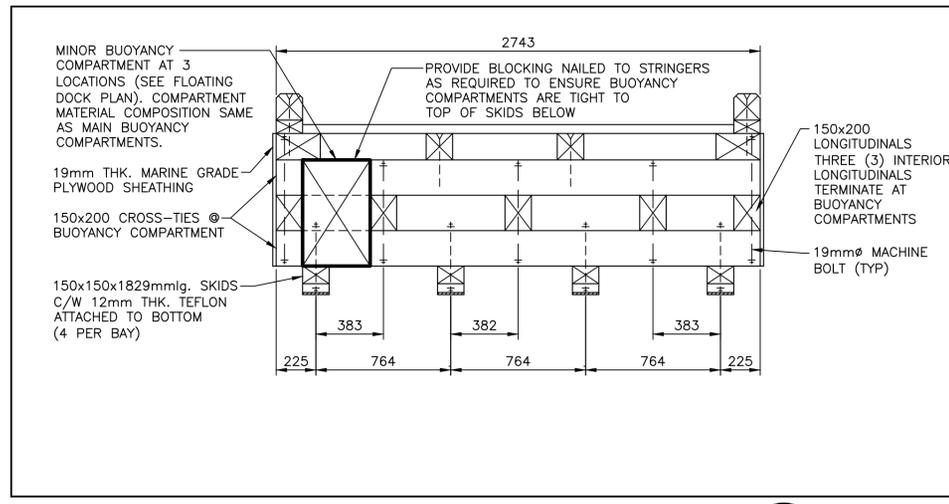
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C06/C06



SECTION - MAIN BUOYANCY COMPARTMENT

SCALE : 1:20

5
C06/C06

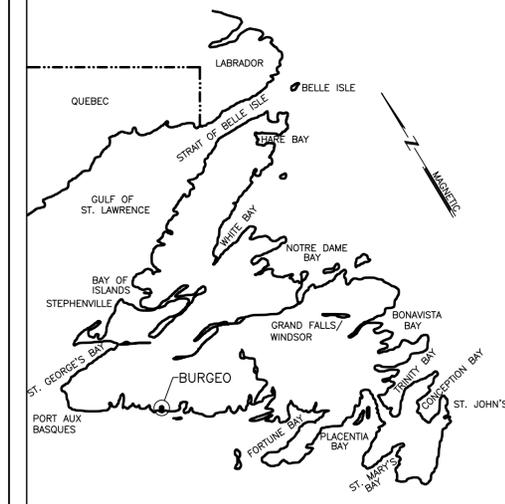


SECTION - BETWEEN MAIN BUOYANCY COMPARTMENT

SCALE : 1:20

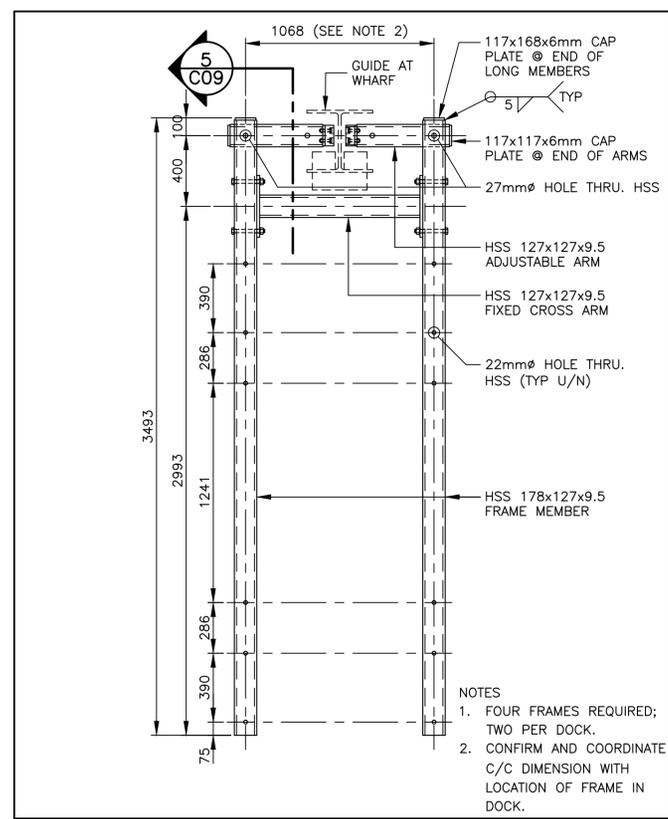
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C06/C06

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Project - projet				
FLOATING DOCK CONSTRUCTION - BURGEO LIFEBOAT STATION BURGEO, NL				
Drawing - dessin				
CIVIL				
FLOATING DOCK DETAILS				
drawn - dessiné JENNIFER BOYD		designed - dessiné par CALVIN HOLLETT		
date - date JULY 13, 2021		checked - vérifié JACK CAINES		
scale - échelle AS SHOWN		approved for tender - approuvé pour l'offre		
project no. - projet no.	drawing no. - no du dessin			sheet - feuille
F6879-219215	-			C06

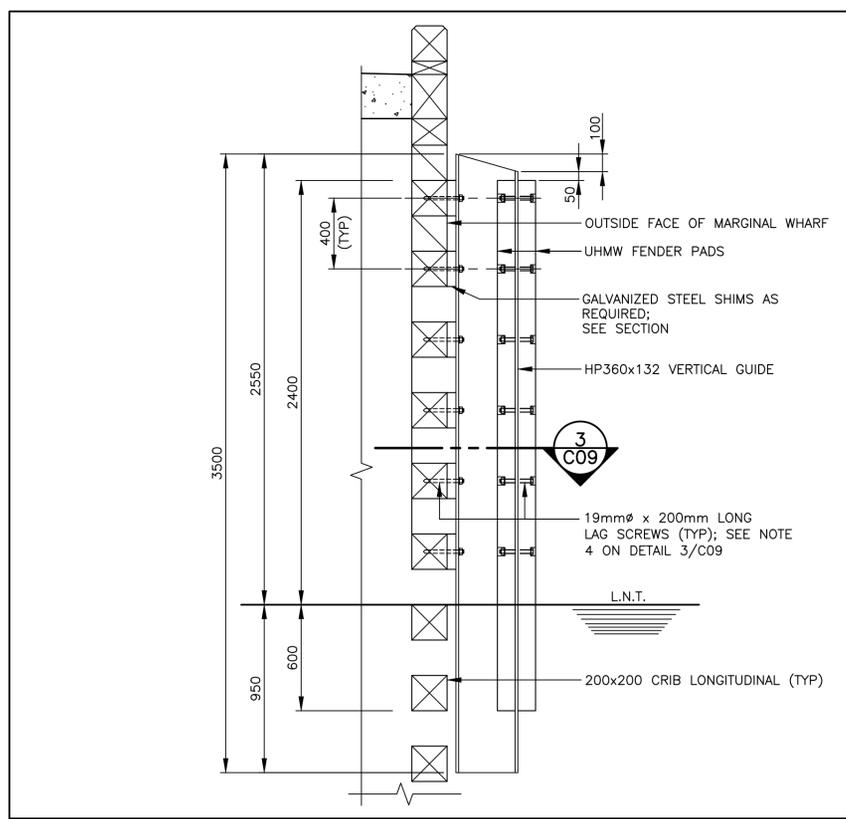
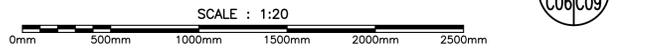


KEY LOCATION PLAN

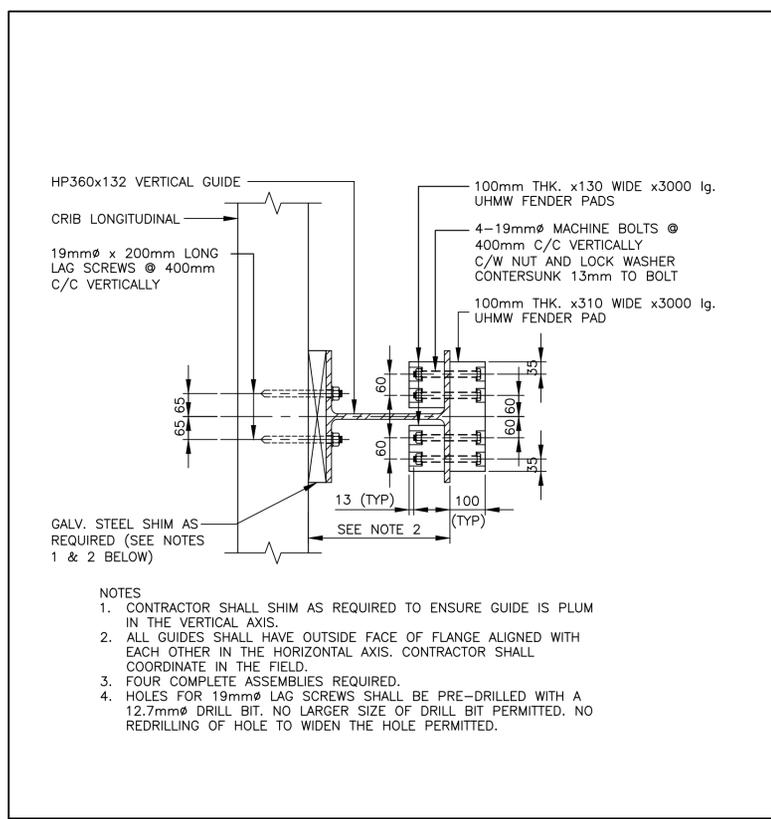
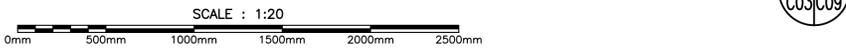
NOTES:
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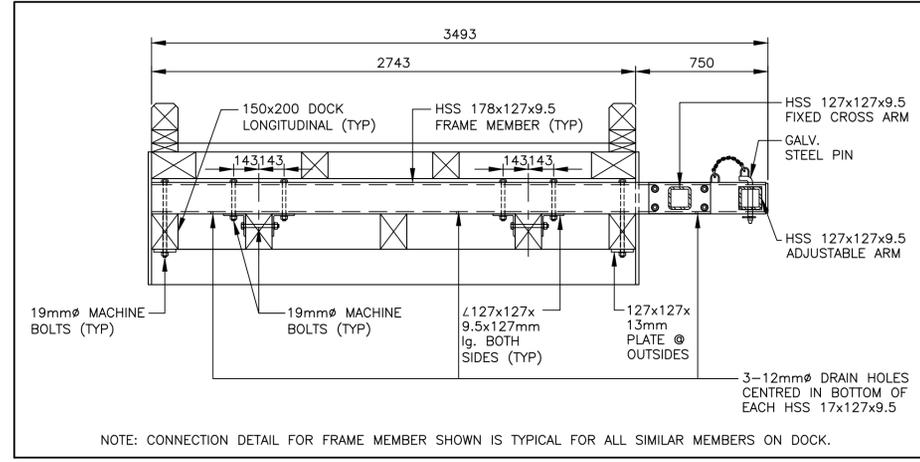
PLAN - CONNECTION FRAME (TYP.) 1 C06/C09



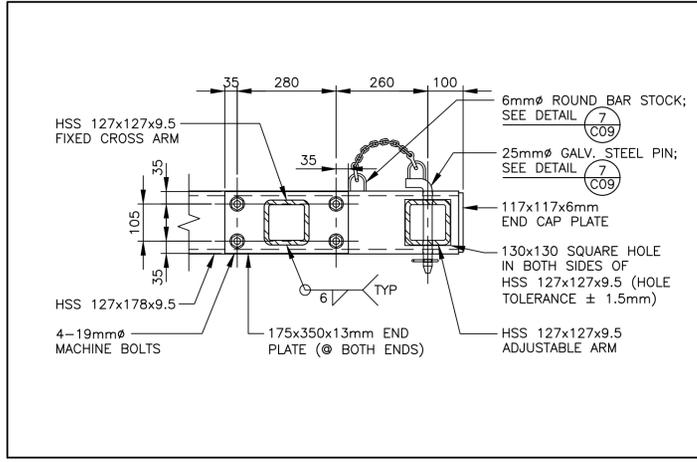
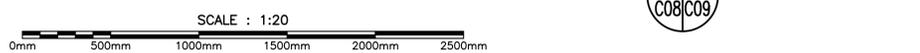
SECTION - VERTICAL GUIDE FOR FLOATING DOCK (TYP.) 2 C03/C09



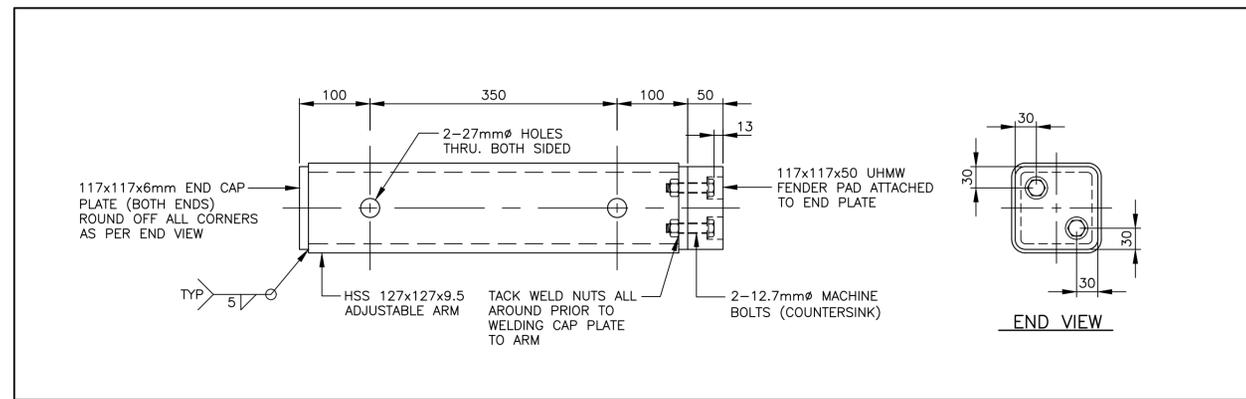
SECTION - GUIDE TO WHARF CONNECTION (TYP.) 3 C09/C09



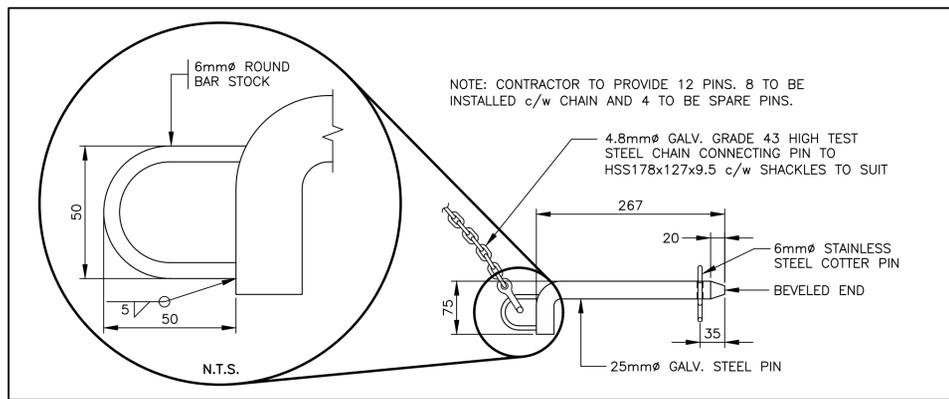
SECTION - DOCK CONNECTION FRAME (TYP.) 4 C08/C09



SECTION - FIXED ADJUSTABLE ARM (TYP.) 5 C09/C09



DETAIL - ADJUSTABLE ARM (TYP.) 6 C09/C09

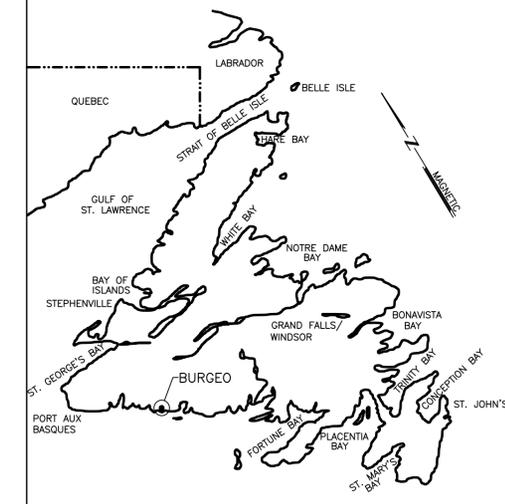


DETAIL - PIN FOR ADJUSTABLE ARM (TYP.) 7 C09/C09

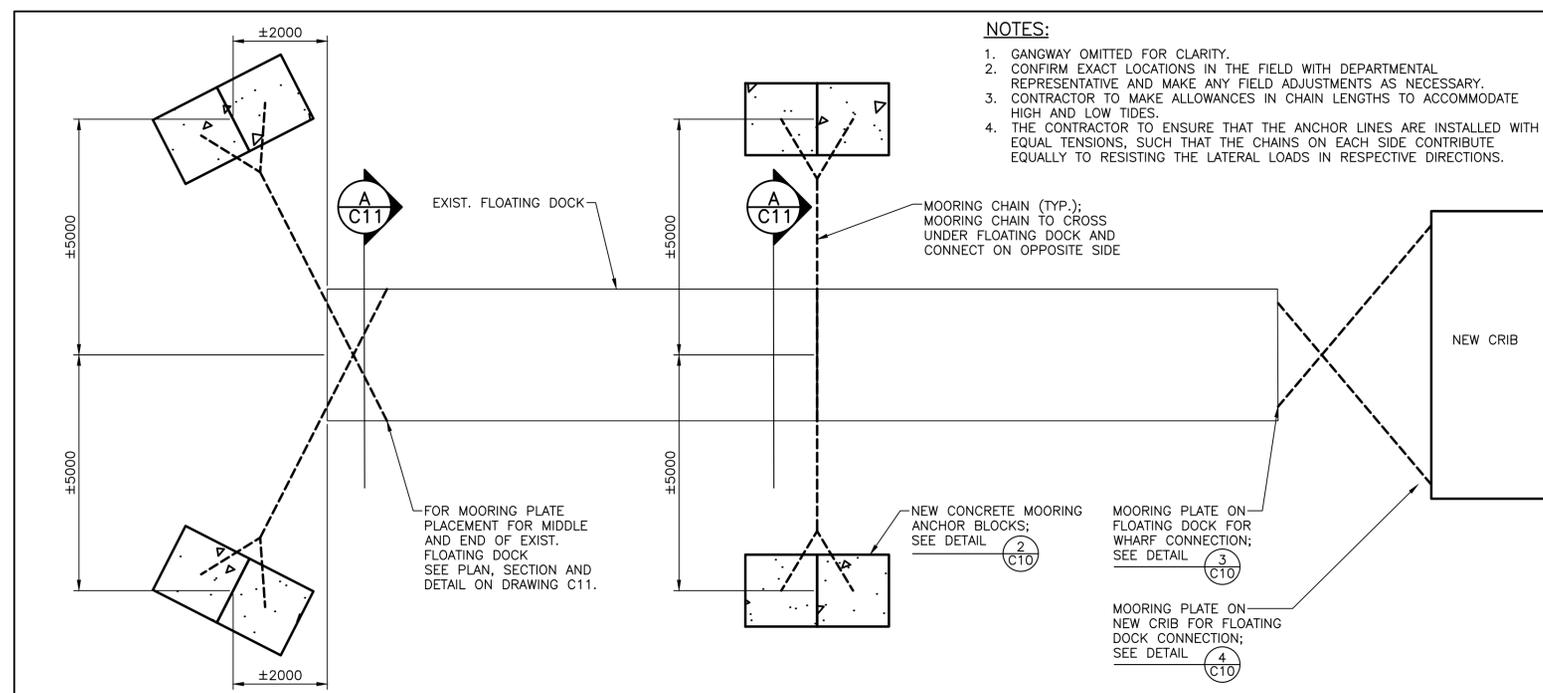


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Drawing - dessin				
CIVIL FLOATING DOCK DETAILS				
drawn - dessiné JENNIFER BOYD		designed - dessinée par CALVIN HOLLETT		
date - date JULY 13, 2021		checked - vérifié JACK CAINES		
scale - échelle AS SHOWN		approved for tender - approuvé pour l'offre		
project no. - projet no.	drawing no. - no du dessin			sheet - feuille
F6879-219215	-			C09

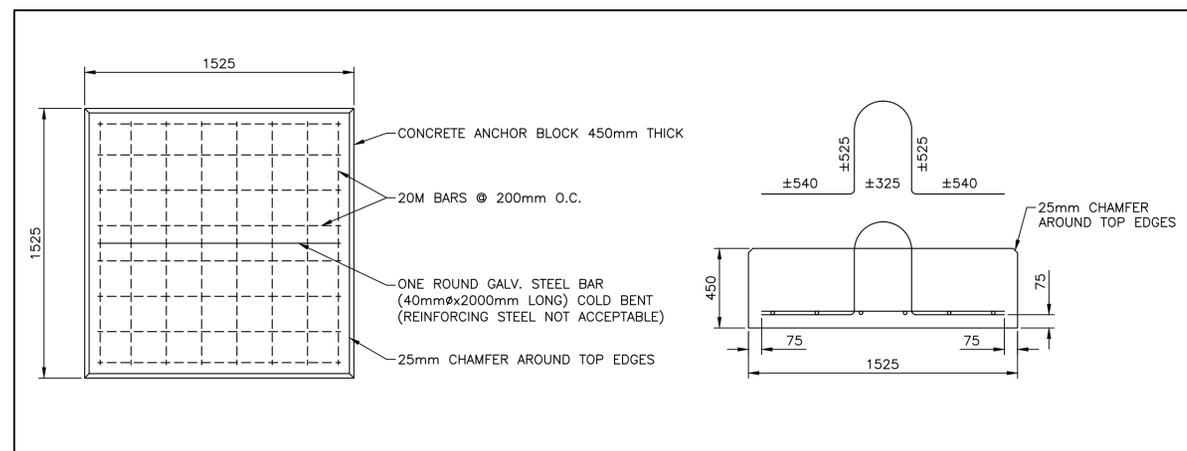


KEY LOCATION PLAN



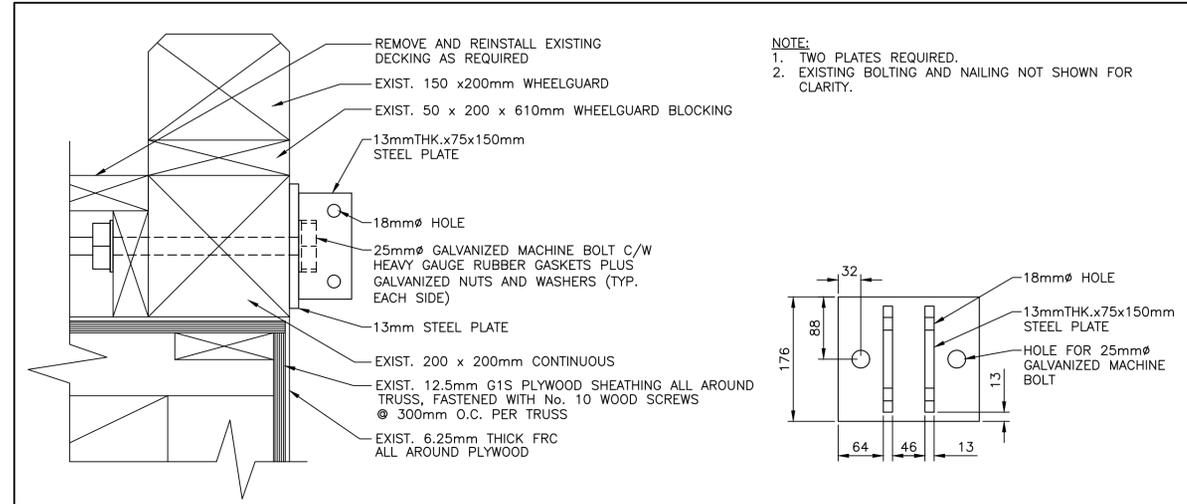
PLAN - ANCHOR BLOCK LAYOUT

SCALE : 1:75



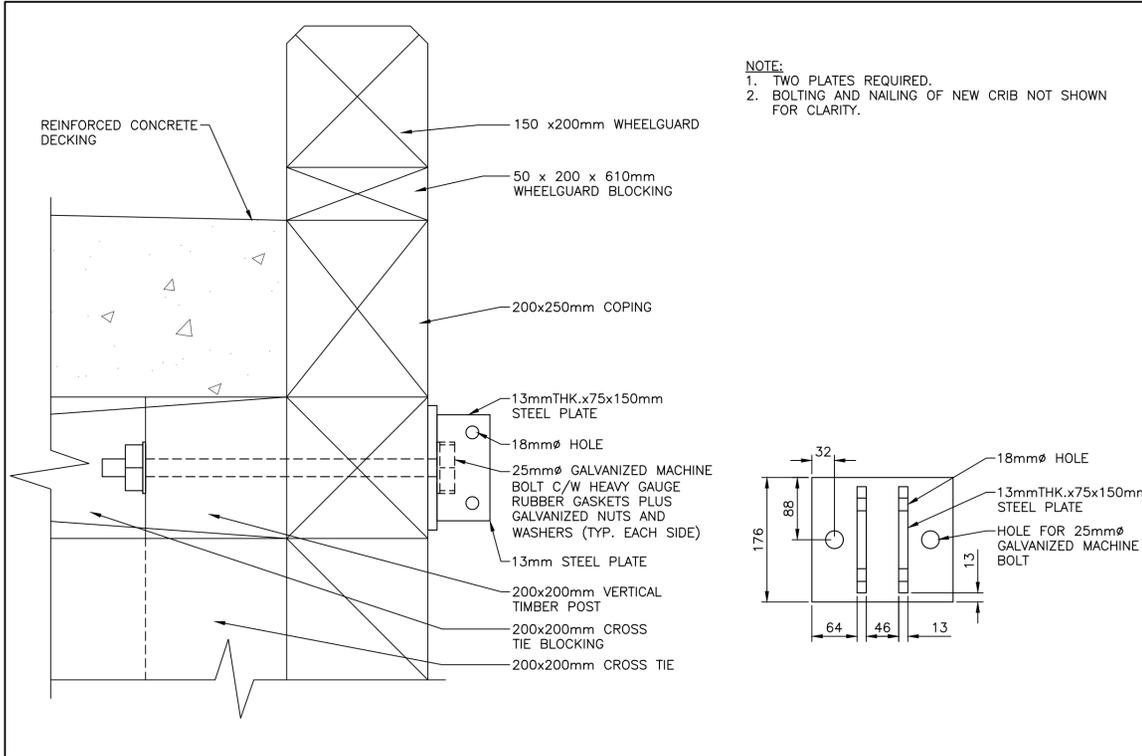
DETAIL - CONCRETE MOORING ANCHOR BLOCK

SCALE : 1:20



DETAIL - MOORING PLATE ON FLOATING DOCK FOR WHARF CONNECTION

SCALE : 1:5



DETAIL - MOORING PLATE ON NEW CRIB FOR FLOATING DOCK CONNECTION

SCALE : 1:5

- NOTES:**
- GANGWAY OMITTED FOR CLARITY.
 - CONFIRM EXACT LOCATIONS IN THE FIELD WITH DEPARTMENTAL REPRESENTATIVE AND MAKE ANY FIELD ADJUSTMENTS AS NECESSARY.
 - CONTRACTOR TO MAKE ALLOWANCES IN CHAIN LENGTHS TO ACCOMMODATE HIGH AND LOW TIDES.
 - THE CONTRACTOR TO ENSURE THAT THE ANCHOR LINES ARE INSTALLED WITH EQUAL TENSIONS, SUCH THAT THE CHAINS ON EACH SIDE CONTRIBUTE EQUALLY TO RESISTING THE LATERAL LOADS IN RESPECTIVE DIRECTIONS.

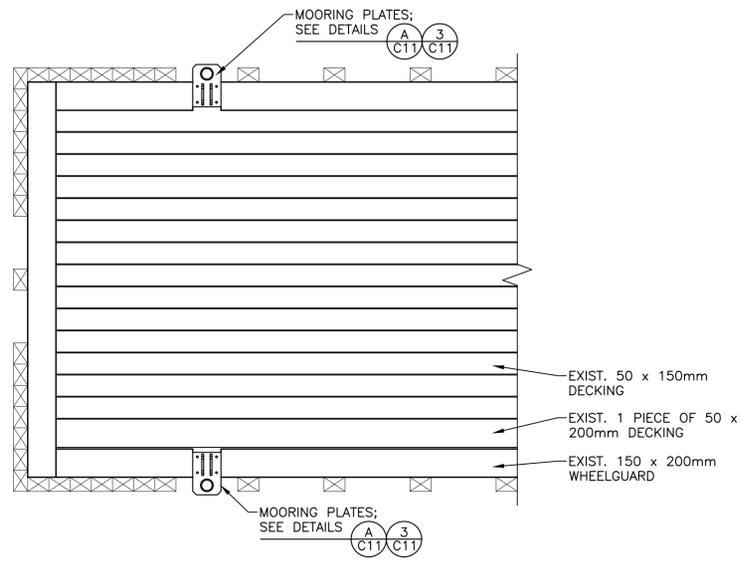
- NOTES:**
- SEE DRAWING C01 FOR NOTES.
 - MINIMUM CONCRETE STRENGTH 35 MPa @ 28 DAYS.
 - REINFORCING STEEL YIELD STRENGTH 400 MPa.
 - REINFORCING STEEL SPLICES SHALL CONFORM TO A23.3, LATEST EDITION.
 - 20M = 850mm LAP
 - 15M = 650mm LAP
 - ALL REBAR TO HAVE MIN. COVER OF 75mm UNLESS OTHERWISE NOTED.
 - MOORING CHAIN SHALL BE NOMINAL 13mm, GRADE 43, GALVANIZE WELDED STEEL CHAIN WITH MINIMUM WORKING LOAD OF 4170Kg. ALL CHAIN CONNECTIONS TO BE FASTENED WITH STAINLESS STEEL SHACKLES.
 - CHAIN SHACKLES TO HAVE ALLOWABLE WORKING LOAD EQUAL TO, OR GREATER THAN, THE ALLOWABLE WORKING LOAD OF THE CHAIN BEING ATTACHED.
 - DESIGN CRITERIA, DESIGN FOR MOORING BLOCKS AND LINES:
 - WIND SPEED = 120 KM/HR
 - MAX. PROJECTED WIND AREA OF DOCKED VESSELS TO BE 35m²
 - PLACE POLYURETHANE ADHESIVE/SEALANT INTO HOLES BEFORE PLACING AND SETTING OF EYEBOLTS AND MACHINE BOLTS SONNEBORN PREMIUM OR APPROVED EQUAL.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
 ENGINEERING PERMIT D0178
 CBCL Limited
 M.J.R.C. JACK CAINES #03559
 Signature of Member Number (Member-in-Responsible Charge)

0	ISSUED FOR TENDER	OCT 20 2021	JRB	JRC
no.	revision	date	by	approved
	revision	date	par	approve
Project - projet				
FLOATING DOCK CONSTRUCTION - BURGEO LIFEBOAT STATION BURGEO, NL				
Drawing - dessin				
CIVIL				
EXISTING FLOATING DOCK MODIFICATIONS AND DETAILS				
drawn - dessiné JENNIFER BOYD		designed - dessiné par CALVIN HOLLETT		
date - date SEPTEMBER 29, 2021		checked - vérifié JACK CAINES		
scale - échelle AS SHOWN		approved for tender - approuvé pour l'offre		
project no. - projet no. F6879-219215	drawing no. - no du dessin -	sheet - feuille -		C10

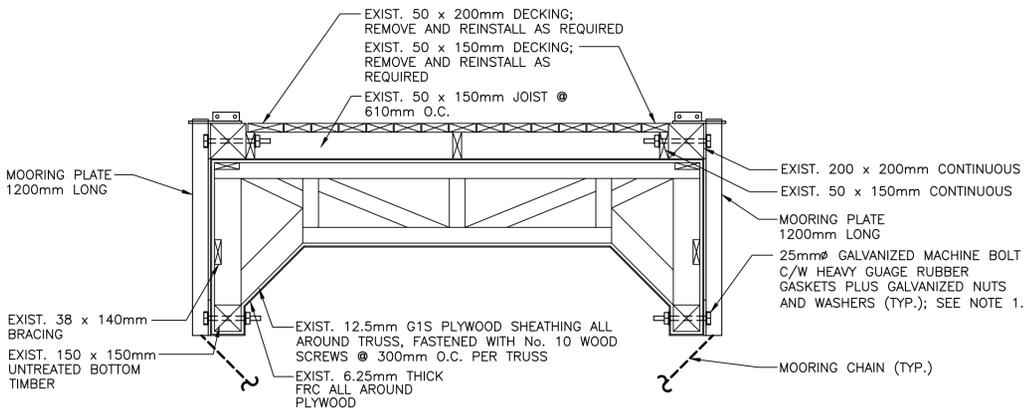
- NOTES:**
1. ATTACH PLATES WITH 13mm ϕ x 150mm LONG LAG SCREWS.
 2. SECURE 13mm ϕ MOORING CHAINS TO PLATES WITH 2-EA. 16mm ϕ x 150mm LONG MACHINE BOLT C/W DOUBLE NUTS.
 3. ALL HARDWARE TO BE GALVANIZED.
 4. HOLES FOR 13mm ϕ LAG SCREWS SHALL BE PRE-DRILLED WITH A MAXIMUM 6.25mm ϕ DRILL BIT. NO LARGER SIZE OF DRILL BIT WILL BE PERMITTED. NO REDRILLING OF HOLE TO WIDEN THE HOLE PERMITTED. TYPICAL ALL LOCATIONS.



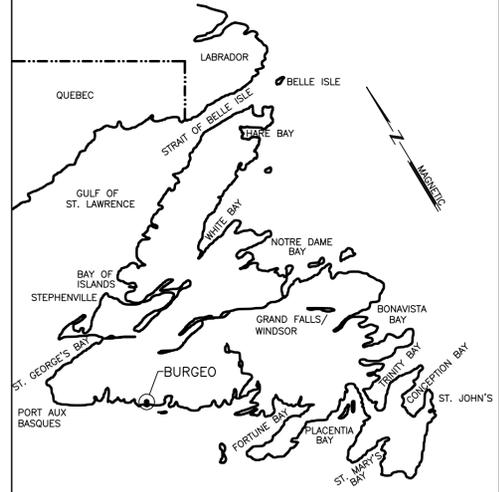
PLAN – MOORING PLATES PLACEMENT 1 - C11



- NOTE:**
1. PLACE POLYURETHANE ADHESIVE/SEALANT INTO HOLES BEFORE PLACING AND SETTING OF EYEBOLTS AND MACHINE BOLTS SONNEBORN PREMIUM OR APPROVED EQUAL.
 2. EXISTING WHEEL GUARD, WHEEL GUARD BLOCKING, FENDERS, CHOCKS AND RIGID INSULATION NOT SHOWN FOR CLARITY.
 3. EXISTING WHEEL GUARD TO BE CUT AND REMOVED TO ACCOMMODATE PLACEMENT OF MOORING PLATES; INSERT WHEEL GUARD BLOCKING AT ENDS WHERE WHEEL GUARD IS CUT. APPLY WOOD TREATMENT TO CUT ENDS AND PAINT TO MATCH EXISTING.

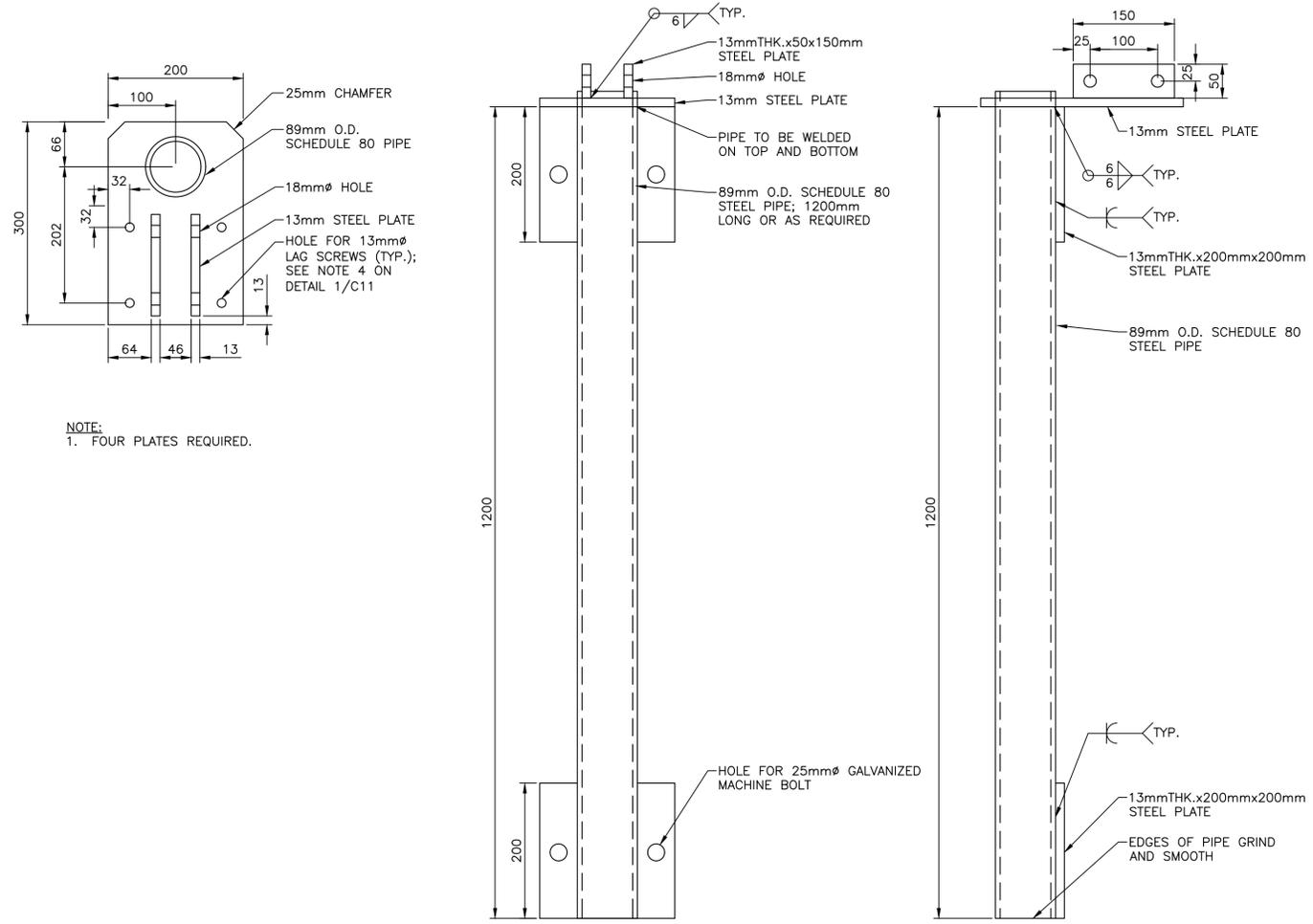


SECTION – MOORING PLATE PLACEMENT A - C11



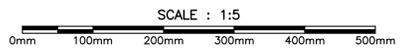
KEY LOCATION PLAN

- NOTES:**
1. SEE DRAWING C01 AND C10 FOR NOTES.



- NOTE:**
1. FOUR PLATES REQUIRED.

DETAIL – MOORING PLATE HARDWARE 3 - C11



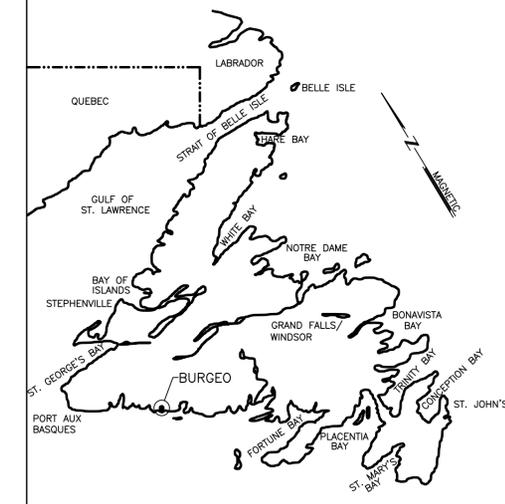
0	ISSUED FOR TENDER	OCT 20 2021	JRB	JRC
no.	revision	date	by	approved
no.	revision	date	par	approve

Project – projet
FLOATING DOCK CONSTRUCTION – BURGEO LIFEBOAT STATION BURGEO, NL

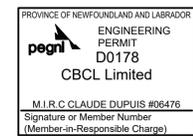
Drawing – dessin
CIVIL
EXISTING FLOATING DOCK MODIFICATIONS AND DETAILS

drawn – dessine JENNIFER BOYD	designed – dessine par CALVIN HOLLETT
date – date OCTOBER 17, 2021	checked – vérifié JACK CAINES
scale – échelle AS SHOWN	approved for tender – approuvé pour l'offre AS SHOWN

project no. – projet no. F6879-219215	drawing no. – no du dessin -	sheet – feuille C11
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KEY LOCATION PLAN



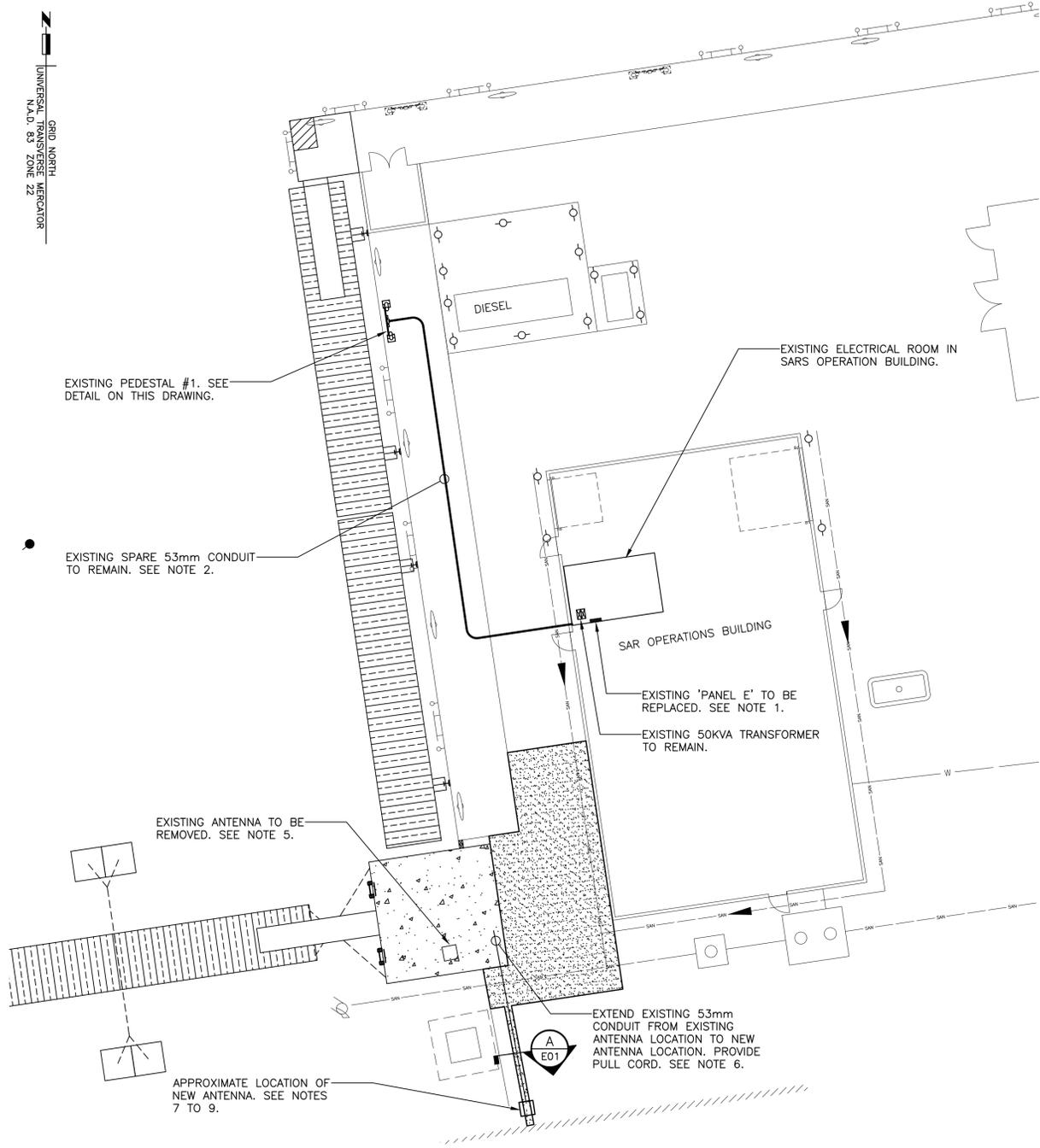
0	ISSUED FOR TENDER	OCT 20 2021	ZNR	JRC
no.	revision	date	by	approved
	revision	date	par	approve

Project - projet
FLOATING DOCK CONSTRUCTION - BURGEO LIFEBOAT STATION - BURGEO, NL

Drawing - dessin
ELECTRICAL SITE PLAN & DETAILS

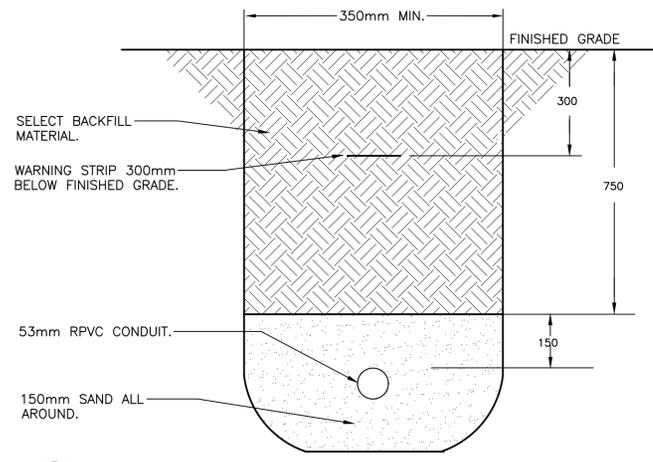
drawn - dessiné ZOE ROBERTS	designed - dessiné par CLAUDE DUPUIS/ERIC NICHOLSON
date - date JULY 2021	checked - vérifié CALVIN HOLLETT
scale - échelle AS SHOWN	approved for tender - approuvé pour l'offre

project no. - projet no. F6879-219215	drawing no. - no du dessin -	sheet - feuille E01
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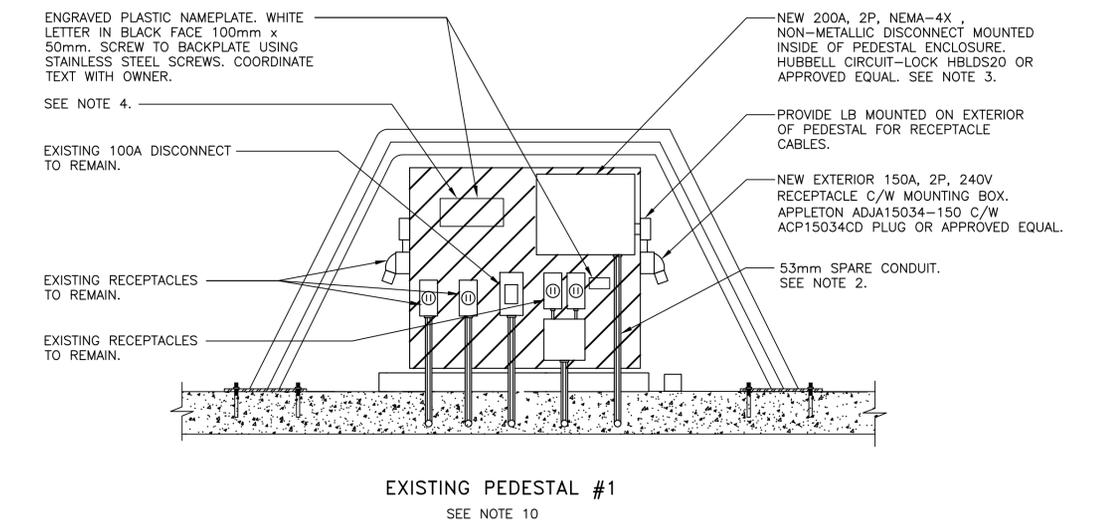


REVISED SITE PLAN

SCALE : 1:150
 0m 5m 10m 15m



SECTION A - TRENCH DETAIL
 NTS. (SEE NOTES 11 THROUGH 15)



REVISED DETAIL - PEDESTAL #1

SCALE: N.T.S.

REVISED

PANEL E		LOCATION : ELECTRICAL ROOM 102				MOUNTING : SURFACE				400 AMP. MAINS.			
		SERVICE : 120/240V, 1PH, 3W				BRANCH BREAKER I.C.				18,000 AMPS RMS SYM.			
NOTE	LOAD DESCRIPTION	LOAD	WIRE	BKR	CIRCUIT		BKR	WIRE	LOAD	LOAD DESCRIPTION	PHASE LOAD		NOTE
					1	2					A	B	
1	MV GEORGE VESSEL RECEPT	9600	2	100/2P	1	2	60/2P	6	5760	MV SHAMOOK VESSEL RECEPT	15360	1	
	9600	3			4	5760			15360				
	SPARE			15	5	6	15			SPARE			
	SPARE			15	7	8	15			SPARE			
	SPARE			15	9	10	15			SPARE			
	SPARE			15	11	12	15			SPARE			
	SPARE			20	13	14	150/2P	1/0	14400	BAY CLASS VESSEL RECEPT	14400		
	SPARE			30	15	16			14400		14400		
	SPACE				17	18				SPACE			
					19	20							
					21	22							
					23	24							
NOTES :		CONNECTED LOAD		59.5 KW.		TOTAL WATTS		29760		29760			
1. EXTEND EXISTING CIRCUIT TO NEW BREAKER.		ESTIMATED DEMAND		28.8 KW.		TOTAL AMPS		248		248			

NOTES:

- EXISTING CH PRL1A, 400A, 120/240V, 1Ø, 3W, 24CCT PANEL TO BE REPLACED WITH NEW 400A, 120/240V, 1Ø, 3W, 24CCT PANEL IN EXISTING LOCATION. CONNECT NEW PANEL TO EXISTING PANEL POWER FEED, EXTEND CONDUCTORS AND CONDUIT AS REQUIRED. NEW PANEL TO BE EATON PRL3A OR APPROVED EQUAL. MAXIMUM WIDTH SHALL BE 508mm. SEE REVISED PANEL E SCHEDULE.
- EXISTING 53mm CONDUIT FROM ELECTRICAL ROOM TO PEDESTAL #1. RUN (3 #1/0AWG RW90 + 1 #6 BOND) IN EXISTING CONDUIT FROM NEW 150A, 2P BREAKER (14,16) TO NEW 150A, 2P DISCONNECT AND RECEPTACLE IN EXISTING PEDESTAL #1.
- RUN CONDUCTORS FROM NEW DISCONNECT SWITCH TO NEW EXTERIOR RECEPTACLE IN LIQUID TIGHT FLEX CONDUIT. SEAL ALL PENETRATIONS AND MAKE WEATHERTIGHT. SEE NOTE 10.
- ENGRAVED NAMEPLATE TO STATE "WARNING: 100AMP & 150AMP RECEPTACLES ARE NOT TO BE CONNECTED AT SAME TIME".
- EXISTING ANTENNA, CABLES AND GROUNDING TO BE REMOVED. EXISTING WEATHERHOOD AND VERTICAL CONDUIT TO BE RELOCATED TO NEW ANTENNA LOCATION. CUT BACK EXISTING CONDUIT AS REQUIRED TO ACCOMMODATE CIVIL WORK AND CONDUIT EXTENSION.
- EXISTING 53mm RPVC CONDUIT TO BE REROUTED/EXTENDED TO NEW ANTENNA LOCATION. PROVIDE A FLUSH MOUNTED TRAFFIC RATED PULL BOX AS REQUIRED. COORDINATE LOCATION OF EXISTING CONDUIT RUN AND CONNECTION POINT ON SITE. DEPTH TO MATCH EXISTING.
- NEW ANTENNA TO BE COMROD HF 1.6 SERIES OR APPROVED EQUAL. COORDINATE LOCATION AND MOUNTING OF NEW ANTENNA WITH DEPARTMENTAL REPRESENTATIVE. CABLES AND CONNECTIONS BY OTHERS.
- EXISTING WEATHERHOOD AND VERTICAL CONDUIT TO RUN UP CONCRETE AND RAILING ADJACENT TO NEW ANTENNA MAST MIN. 1200mm AFF. PROVIDE UNISTRUT SUPPORTS AS REQUIRED. PROVIDE RPVC JUNCTION BOX AS REQUIRED TO TIE INTO NEW EXTENDED CONDUIT. PROVIDE EXPANSION FITTING AND CONDUIT STRAPS FOR VERTICAL RUN AS PER CEC 2018.
- NEW GROUNDING PLATE AND GROUND WIRE TO BE CONNECTED AT NEW ANTENNA LOCATION. ENSURE PROPER GROUNDING FOR RADIO PERFORMANCE. INSTALL PLATE MIN. 600mm BELOW GRADE AS PER CEC 2018.
- RELOCATE EXISTING DEVICES IN PEDESTAL #1 TO ACCOMMODATE THE INSTALLATION OF THE NEW DISCONNECT. CUT BACK OR EXTEND EXISTING WIRES AND CONDUIT AS REQUIRED.
- BACKFILL TRENCH IN LAYERS NOT EXCEEDING 150mm (MECHANICALLY TAMPED).
- BACKFILL TRENCH WITH SELECTED BACKFILL IN ACCORDANCE WITH SPECIFICATIONS.
- DURING EXCAVATION, ADEQUATELY SUPPORT ANY EXISTING UNDERGROUND SERVICES.
- IF SITE CONDITIONS PROHIBIT TRENCH DEPTH AS PER THE INSTALLATION DETAIL, ADVISE THE DEPARTMENTAL REPRESENTATIVE PRIOR TO PROCEEDING.
- ENSURE SPARE CONDUITS ARE TERMINATED PROPERLY FOR FUTURE USE. CAP AND MAKE WEATHER TIGHT.