

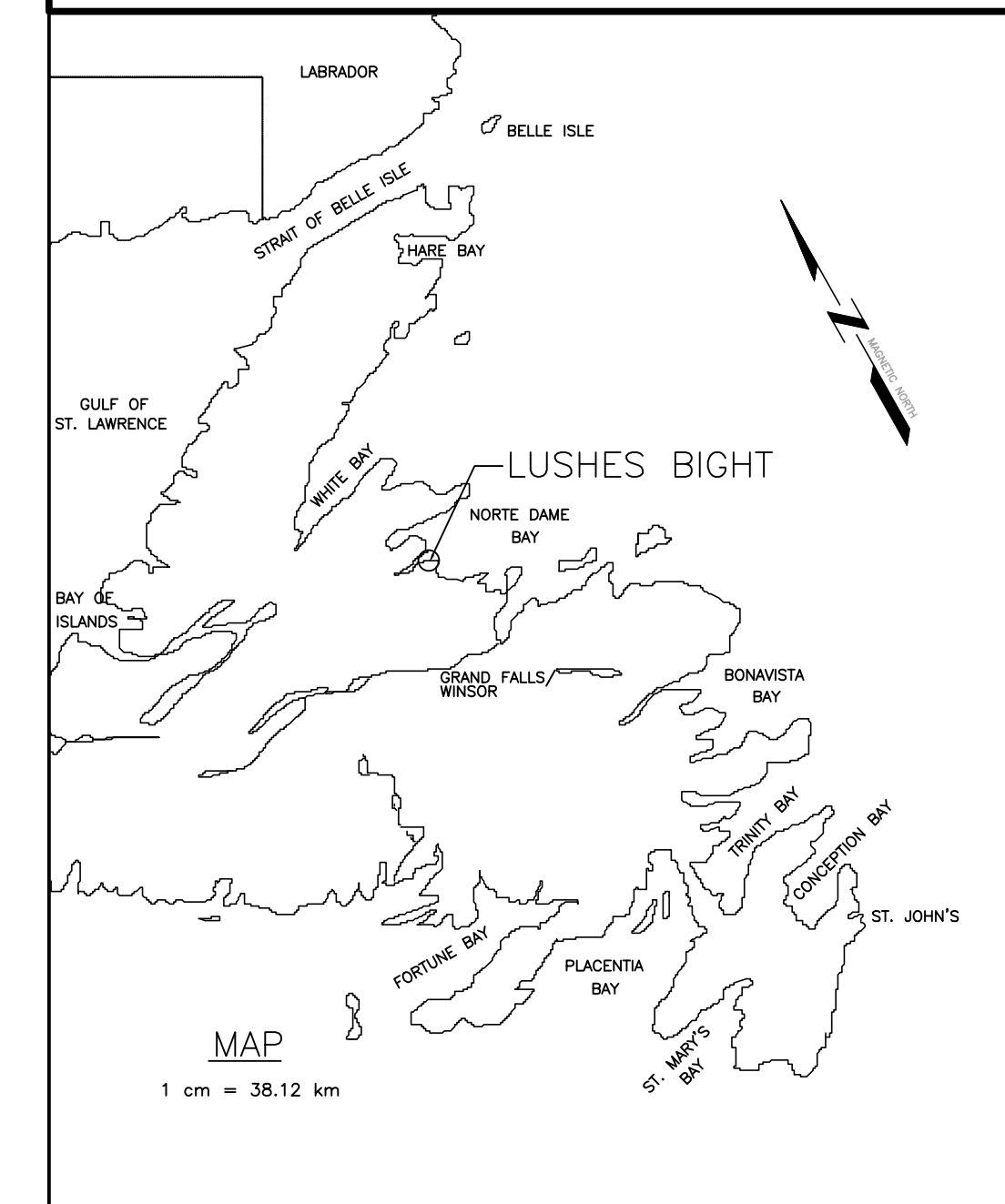


Fisheries and Oceans
Canada

Pêches et Océans
Canada

LUSHES BIGHT MARGINAL WHARF RECONSTRUCTION NEWFOUNDLAND AND LABRADOR PROJECT No: C2-00475

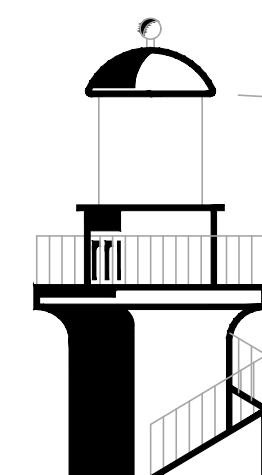
SMALL CRAFT HARBOURS



LIST OF DRAWINGS:

CIVIL

- C1 of 7 – EXISTING SITE PLAN AND DEMOLITIONS
- C2 of 7 – NEW SITE PLAN
- C3 of 7 – NEW ELEVATIONS AND SECTION
- C4 of 7 – NEW WHARF PLAN
- C5 of 7 – CRIB CONSTRUCTION PLAN
- C6 of 7 – DETAILS (SHEET 1)
- C7 of 7 – DETAILS (SHEET 2)

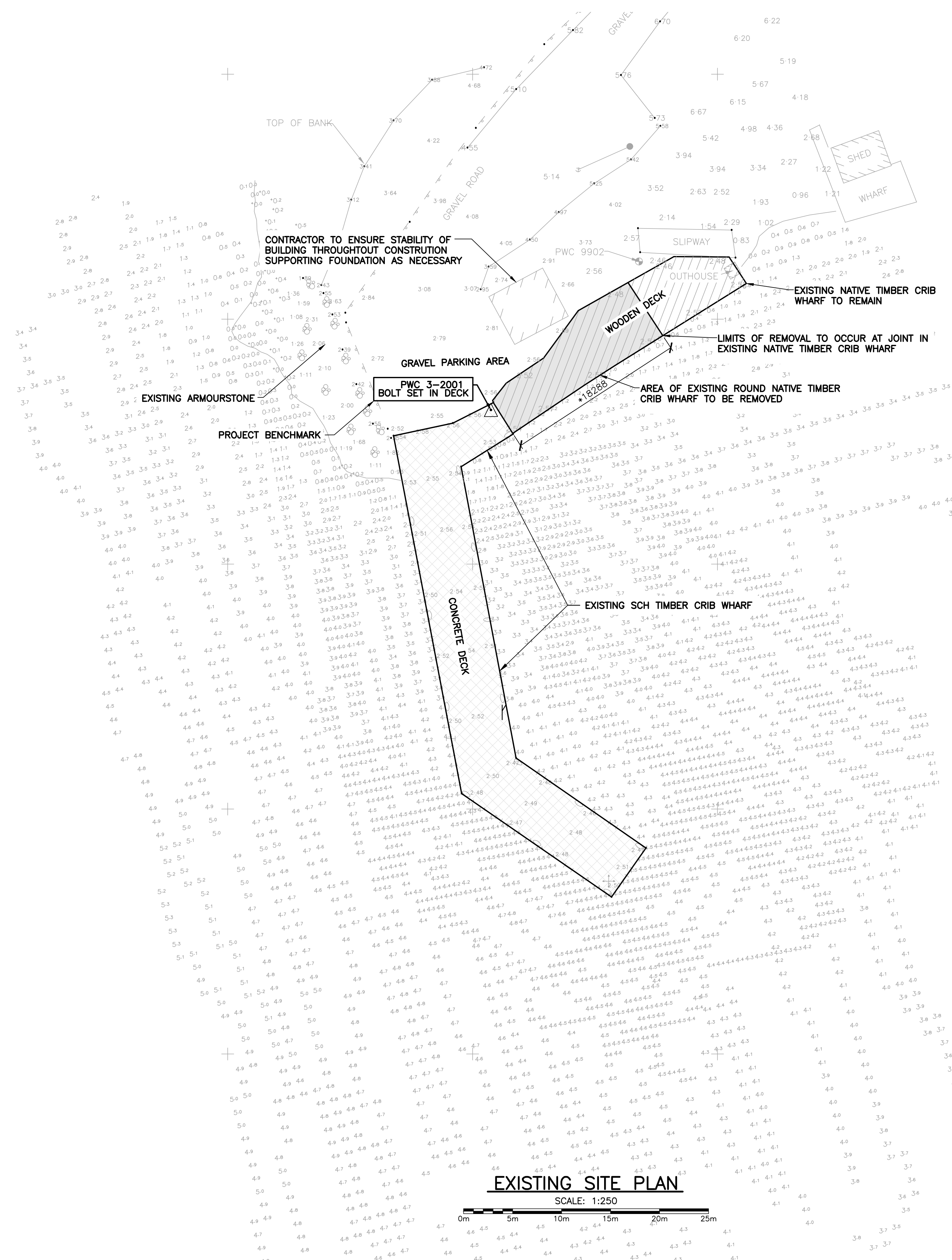


HARBOURSIDE
Engineering Consultants



LEGEND:

- AREA OF EXISTING NATIVE TIMBER CRIB WHARF REMOVAL
- AREA OF EXISTING NATIVE TIMBER CRIB WHARF TO REMAIN
- AREA OF EXISTING TREATED TIMBER CRIB WHARF



NOTE:

* FINAL EXTENTS OF NATIVE TIMBER CRIB WHARF REMOVAL TO BE CONFIRMED.

SURVEY NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
 SURVEY VESSEL ALUMINUM BOAT
 SURVEY DATE(S) MARCH 29-30, 1999 & OCT. 22, 2001

SOUNDER TYPE: SINGLE TRANSDUCER
 SOUNDER SETTING MIN/INST VEL. OF SOUND 1500 m/s
 DEPTH GATE USED N/A FREQ. OF TRANS. 210 KHZ
 POSITIONING SYSTEM USED ON THE FLY DPGS
 LAND SURVEY POSITION BY WILD T1600
 DATA TAPE/DISC(S) USED
 CAD DRAWING FILE(S):

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR E. BEARNS
 DATE OF PROCESSING NOV. 2001

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

CONTROL POINTS:	PL NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
	9207097	592423.493	5494240.588		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
	9207099	592751.391	5494127.055		PROVINCIAL BRASS PLAQUE SET IN BEDROCK
	PWC 9901	592601.935	5494232.063	+4.974 m	NAIL CEMENTED IN BEDROCK
	PWC 9902	592616.989	5494230.880	+2.751 m	NAIL CEMENTED IN BEDROCK
	PWC 3-2001	592601.87	5494215.73	+2.550 m	NAIL CEMENTED IN BEDROCK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO PWC BM 9902 ELEV. +2.751 m ESTABLISHED FROM WATER TRANSFER FROM CHS BM 2-1980 ELEV. +2.028 m LOCATED AT ROBERT'S ARM BY PWCS SURVEY CREW ON MARCH 29-30, 1999.

SOUNDINGS TAKEN USING RAYTHEON DE 719-C SOUNDER AND POSITIONED BY ON THE FLY DPGS POSITIONING ON MARCH 29, 1999 & OCT. 22, 2001.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83).

BAR CHECK AT 1.0 m INTERVALS DOWN TO A DEPTH OF -5.0 m.

SOUNDINGS WERE REDUCED BY DIGITRACE & RE-CHECKED FROM SOUNDING CHARTS BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION.

ALL FIELD NOTES ARE IN LUSHES BITE #287.

EXISTING SITE PLAN

SCALE: 1:250



SMALL CRAFT HARBOURS



NOTES:

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- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE NOTED.

LEGEND

- SYMBOLS**
- BOLLARD
 - BOREHOLE
 - CLEAT
 - HORIZONTAL CONTROL
 - JIB CRANE
 - LADDER
 - NAVIGATION LIGHT
 - SIGN
 - UTILITY POLE
 - VERTICAL CONTROL

LINE TYPE

- ARMOUR STONE
- GUARD RAIL



PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEEB PERMIT HOLDER
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To practice Professional Engineering in Newfoundland and Labrador, Permit No. as issued by PEG 324 which is valid for the year 2022

0	ISSUED FOR TENDER	JUNE 02 2022
revisions		date

LUSHES BIGHT MARGINAL WHARF RECONSTRUCTION LUSHES BIGHT, NL

drawing: design

EXISTING SITE PLAN AND DEMOLITIONS

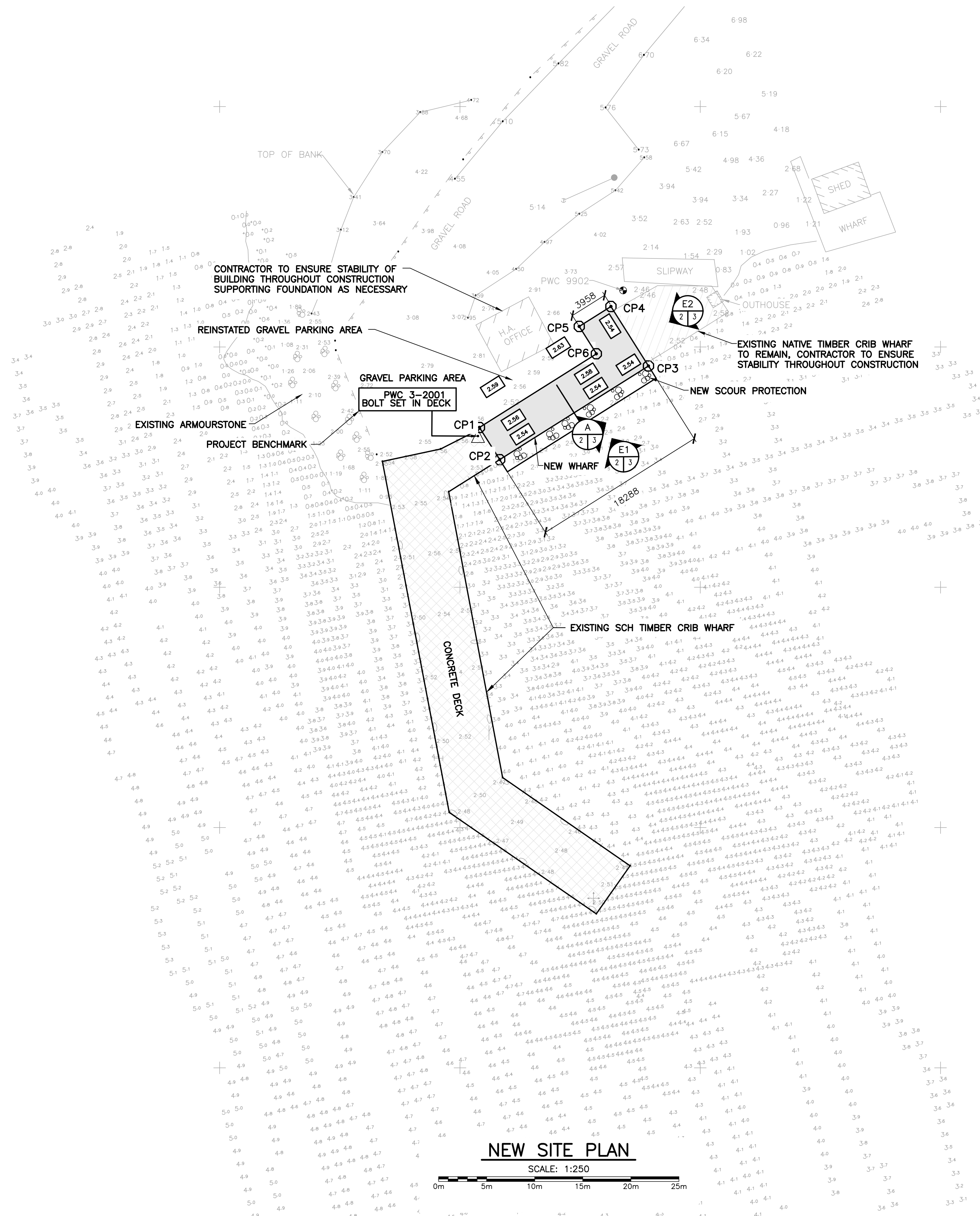
designed	D. POWER	concu
date	JANUARY, 2022	
drawn	VINCENT LEE	dessine
date	JANUARY, 2022	
approved		approve
date		
Tender	P. FUDGE	Soumission
DFO Project Manager		
project number		no. du projet
	C2-00475	
drawing no.		no. du dessin
	C1 OF 7	



NORTH

LEGEND:

- AREA OF NEW WHARF
- NEW CONSTRUCTION FINISHED GRADES
- EXISTING NATIVE TIMBER CRIBWHARF TO REMAIN
- AREA OF EXISTING TREATED TIMBER CRIBWHARF
- AREA OF NEW SCOUR PROTECTION



NEW SITE PLAN

SCALE: 1:250



NOTE:

- FOR SURVEY NOTES SEE DRAWING 1.
- CONTROL POINTS LOCATED AT LIMITS OF CRIB WORK

CONTROL POINTS		
CP#	NORTHING	EASTING
CP1	592601.4977	5494216.0953
CP2	592604.1362	5494213.2754
CP3	592619.6115	5494223.0205
CP4	592615.7062	5494229.2083
CP5	592611.8841	5494226.6062
CP6	592613.6607	5494223.7660

SMALL CRAFT HARBOURS



NOTES:

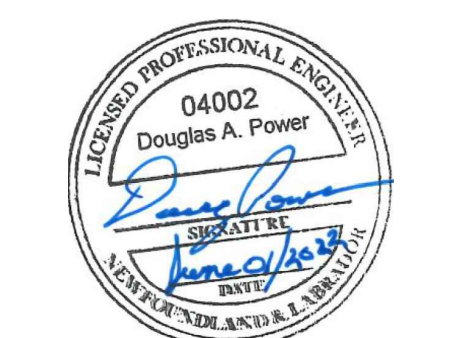
1. DO NOT SCALE FROM DRAWINGS.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY PORTION ON THIS WORK.
3. ALL ELEVATIONS ARE IN METRES (m) UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE NOTED.

LEGEND SYMBOLS

- BOLLARD
- BOREHOLE
- CHEAT
- HORIZONTAL CONTROL
- JIB CRANE
- LADDER
- NAVIGATION LIGHT
- SIGN
- UTILITY POLE
- VERTICAL CONTROL

LINETYPE

- ARMOUR STONE
- GUARD RAIL



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0	ISSUED FOR TENDER	JUNE 02 2022
revisions		date
project		project

LUSHES BIGHT MARGINAL WHARF RECONSTRUCTION LUSHES BIGHT, NL

drawing	dessin
NEW SITE PLAN	
designed	D. POWER concu
date	JANUARY, 2022
drawn	VINCENT LEE dessine
date	JANUARY, 2022
approved	approve
date	
Tender	P. FUDGE Soumission
DFO Project Manager	
project number	no. du projet
C2-00475	
drawing no.	no. du dessin
C2 OF 7	

SMALL CRAFT HARBOURS



NOTES:

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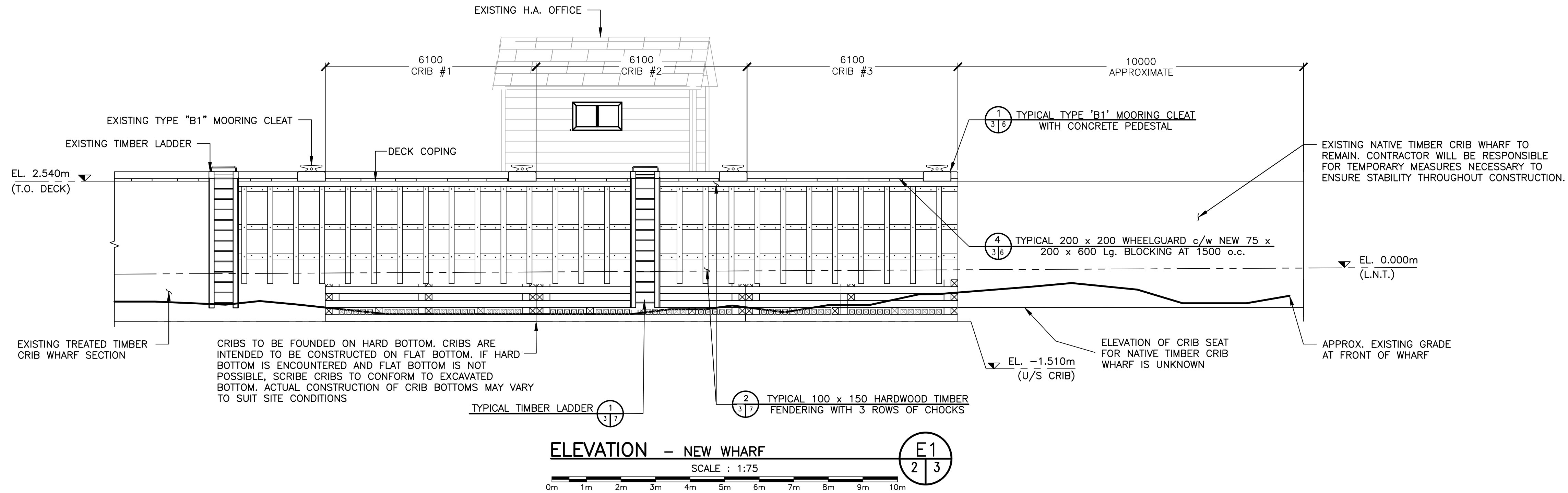
revisions		date
project		project

LUSHES BIGHT MARGINAL WHARF RECONSTRUCTION
 LUSHES BIGHT, NL

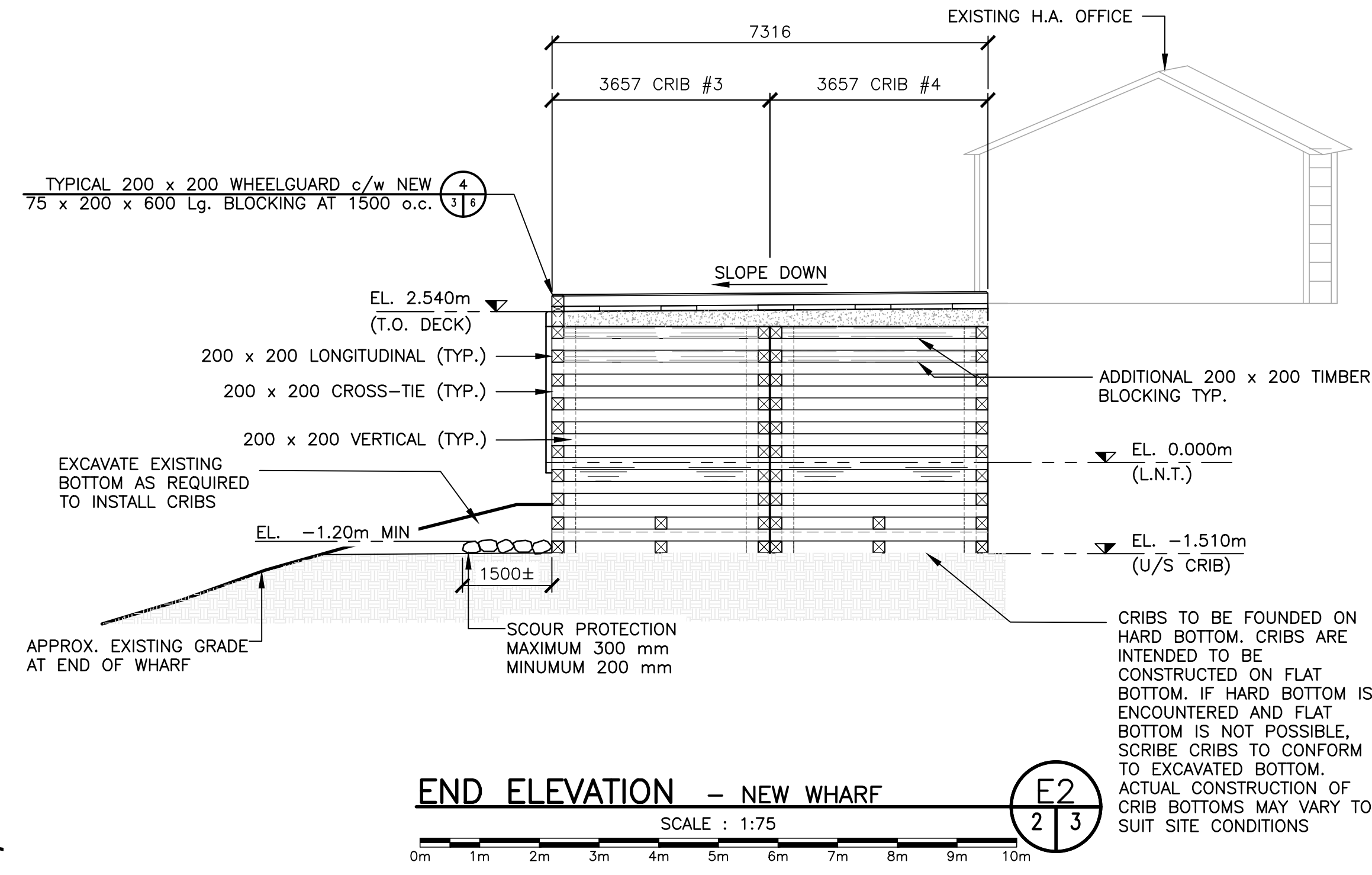
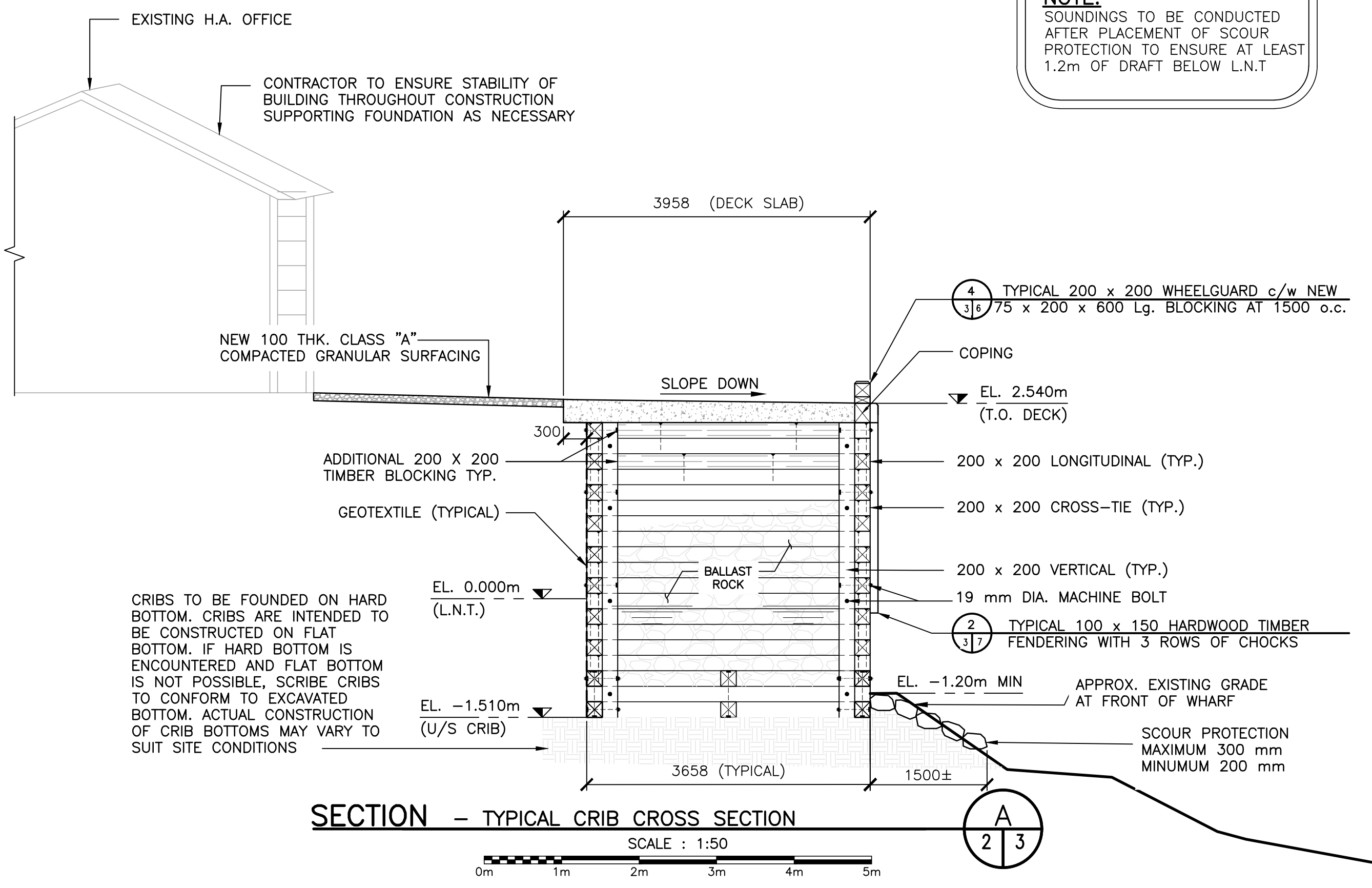
drawing no. dessin

NEW ELEVATIONS AND SECTION

designed	D. POWER	conçu
date	JANUARY, 2022	
drawn	VINCENT LEE	dessiné
date	JANUARY, 2022	
approved		approuvé
date		
Tender	P. FUDGE	Soumission
DFO Project Manager		
project number		no. du projet
	C2-00475	
drawing no.		no. du dessin
	C3 OF 7	



NOTE:
 SOUNDINGS TO BE CONDUCTED AFTER PLACEMENT OF SCOUR PROTECTION TO ENSURE AT LEAST 1.2m OF DRAFT BELOW L.N.T.

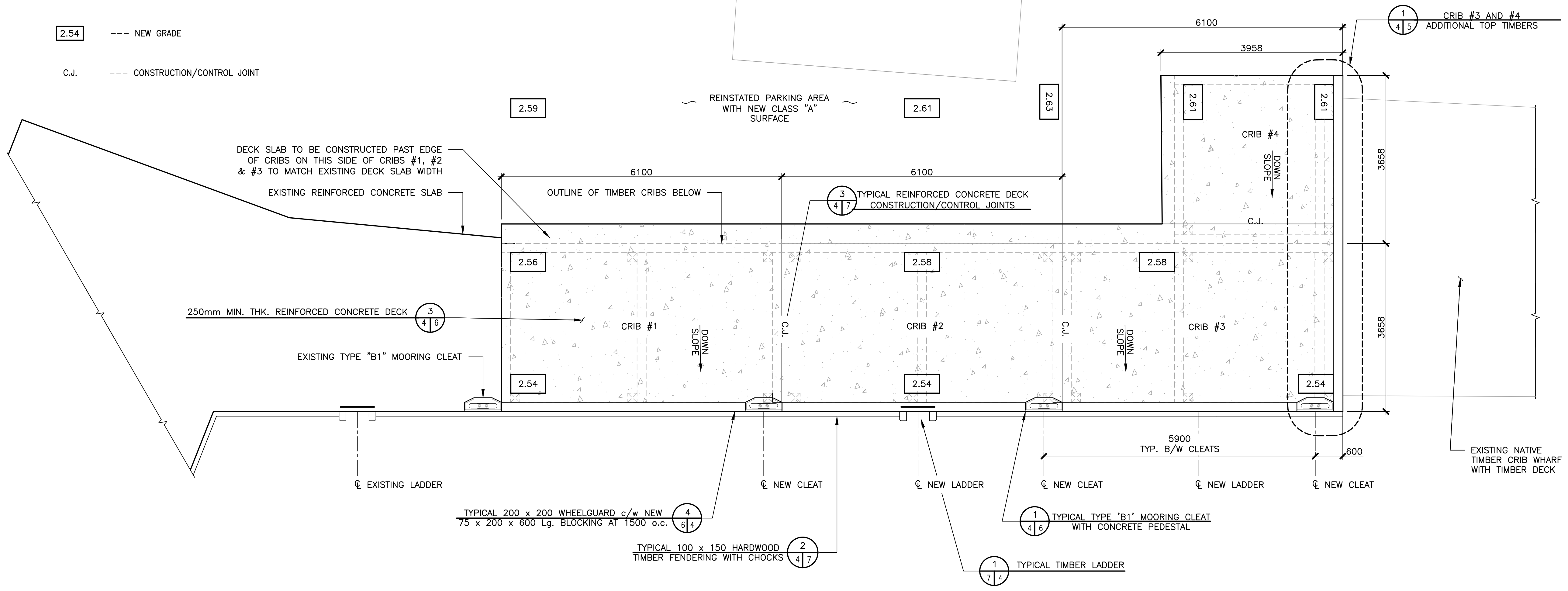




NORTH

LEGEND:

- EXISTING REINFORCED CONCRETE SLAB
- NEW REINFORCED CONCRETE SLAB
- TYPE 'B1' CLEAT WITH PEDESTAL
- LADDER
- 2.54 --- NEW GRADE
- C.J. --- CONSTRUCTION/CONTROL JOINT



SMALL CRAFT HARBOURS



NOTES:

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4. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHERWISE NOTED.

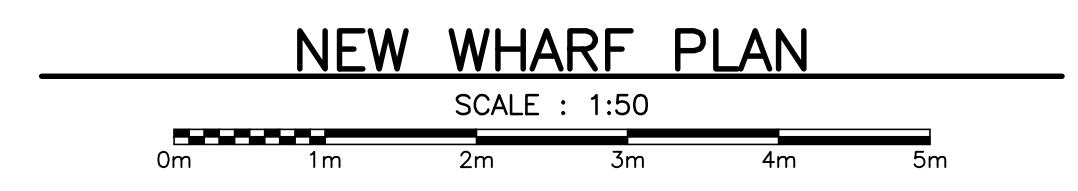


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0	ISSUED FOR TENDER	JUNE 02 2022
revisions		date

LUSHES BIGHT MARGINAL WHARF RECONSTRUCTION
LUSHES BIGHT, NL

designed **D. POWER** concu
 date **JANUARY, 2022**
 drawn **VINCENT LEE** dessine
 date **JANUARY, 2022**
 approved _____ approuve
 date _____
 Tender **P. FUDGE** Soumission
 DFO Project Manager
 project number _____ no. du projet
C2-00475
 drawing no. _____ no. du dessin
C4 OF 7



SMALL CRAFT HARBOURS



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revisions		date
project		projct

**LUSHES BIGHT
 MARGINAL WHARF
 RECONSTRUCTION
 LUSHES BIGHT, NL**

drawing / dessin

CRIB CONSTRUCTION PLAN

designed D. POWER / conçu

date JANUARY, 2022

drawn VINCENT LEE / dessiné

date JANUARY, 2022

approved / approuvé

date

Tender P. FUDGE / soumission

DFO Project Manager

project number / no. du projet

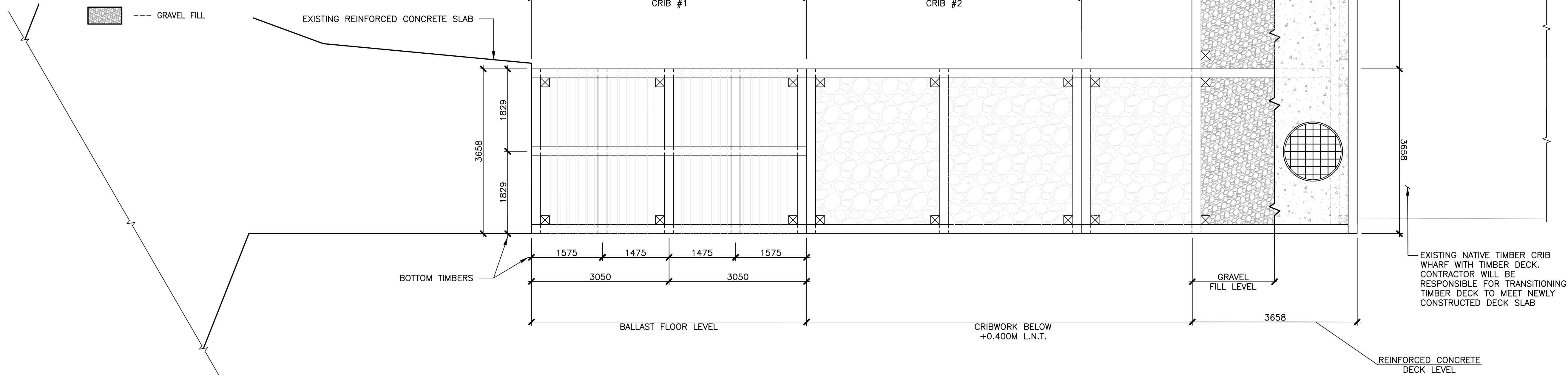
C2-00475

drawing no. / no. du dessin

C5 OF 7

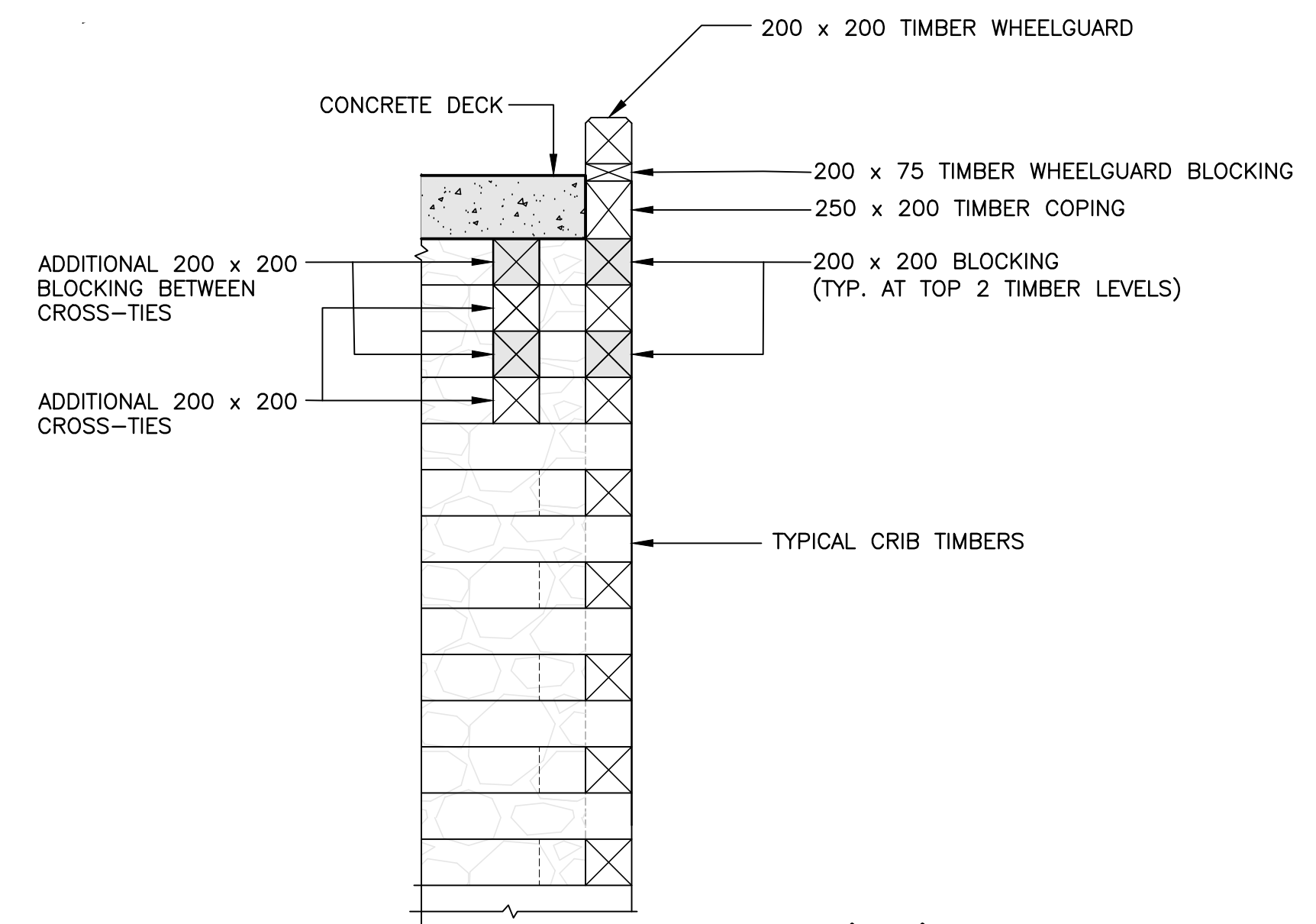
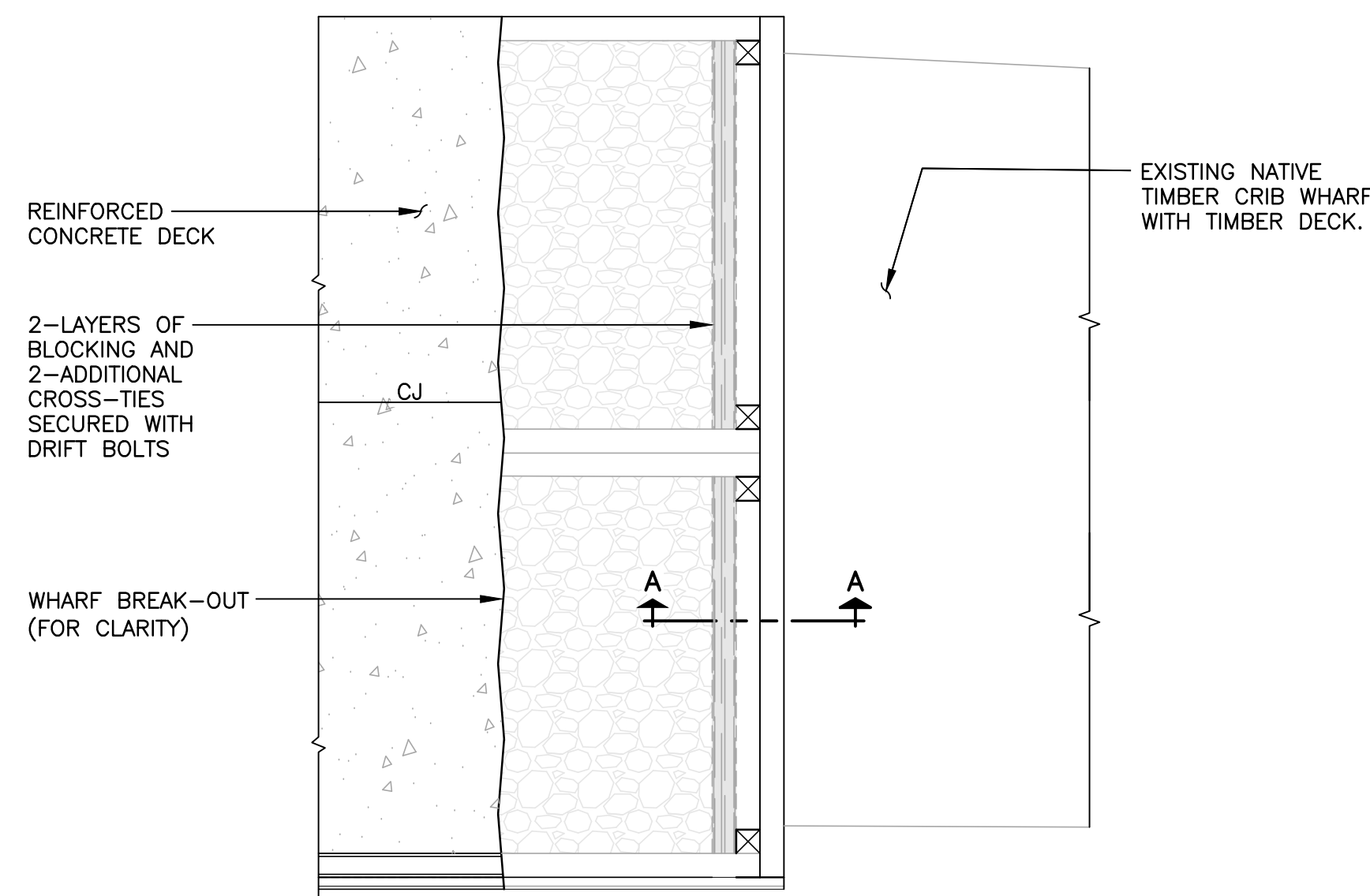
LEGEND:

- CONCRETE DECK SLAB
- BALLAST ROCK
- GRAVEL FILL

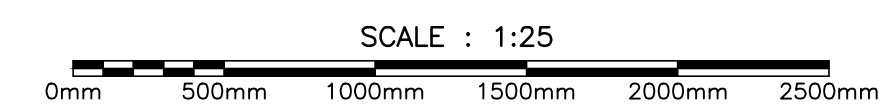


CRIB CONSTRUCTION PLAN

SCALE : 1:50

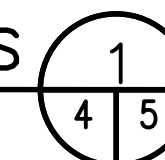


SCALE : 1:25

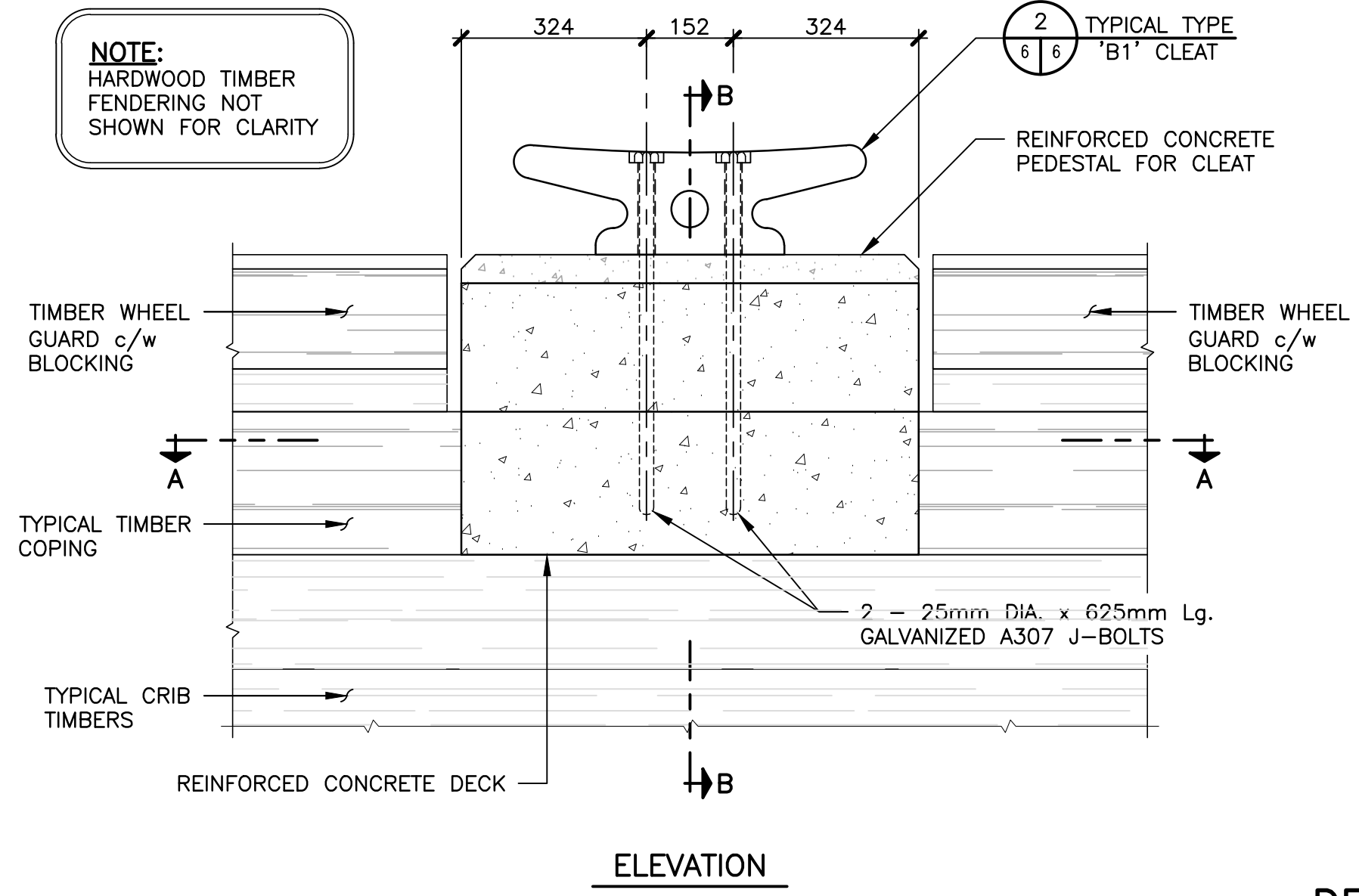


CRIB #3 AND #4 ADDITIONAL TOP TIMBERS

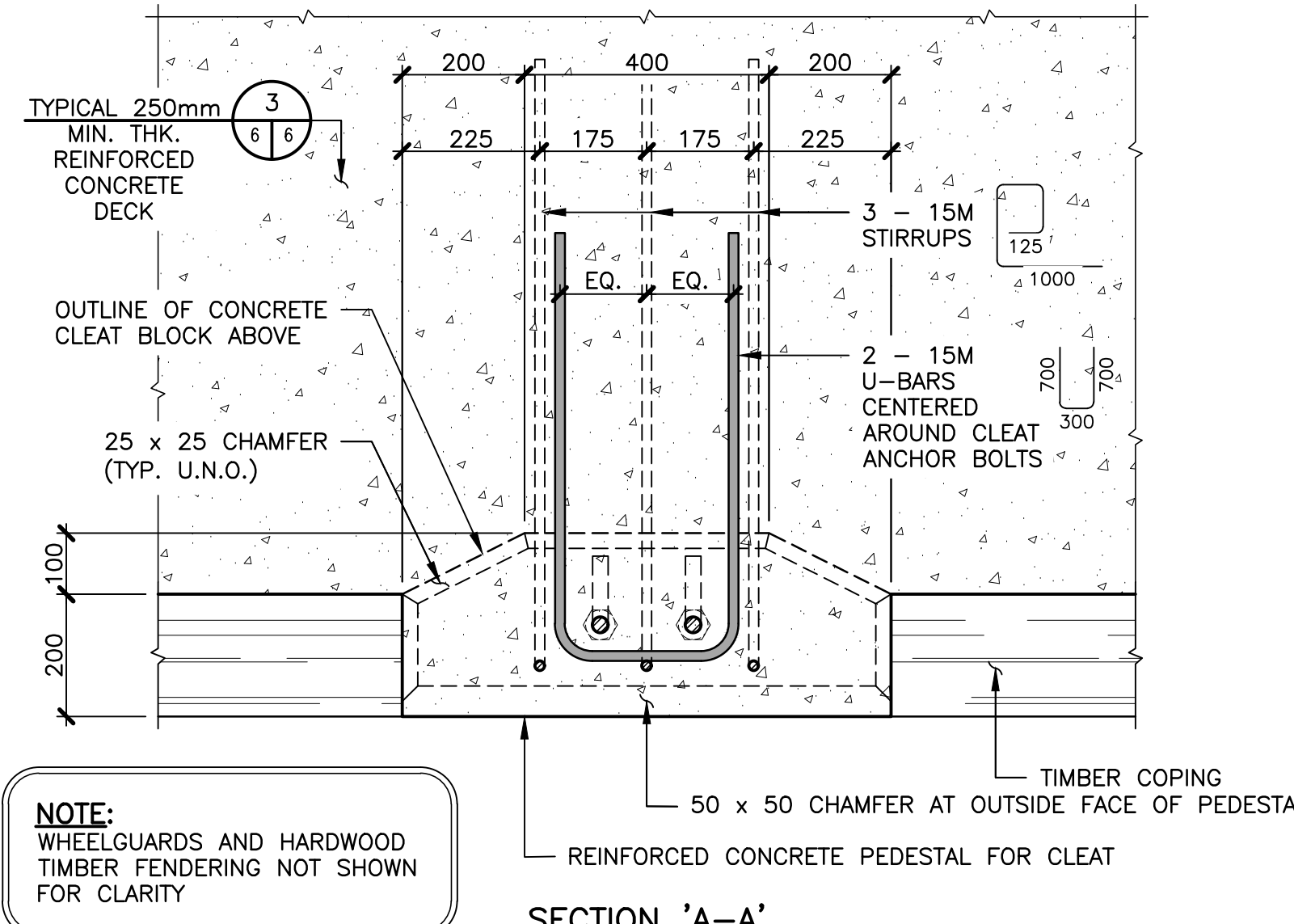
SCALE : 1:50



NOTE:
HARDWOOD TIMBER
FENDERING NOT
SHOWN FOR CLARITY

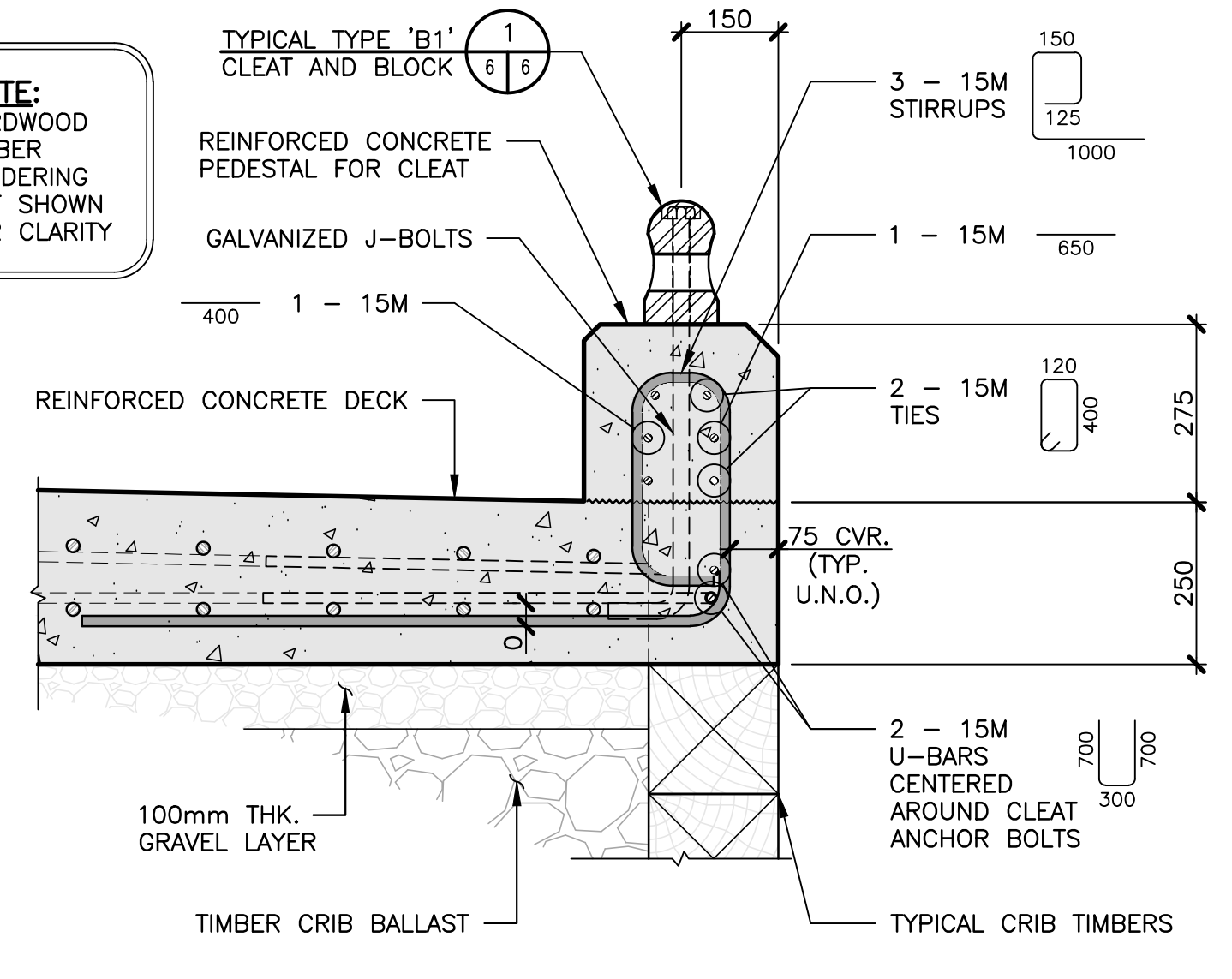


ELEVATION



SECTION 'A-A'

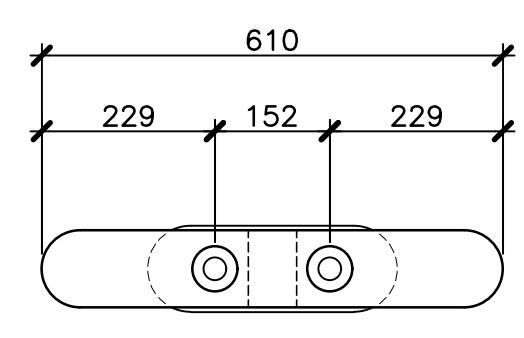
NOTE:
HARDWOOD
TIMBER
FENDERING
NOT SHOWN
FOR CLARITY



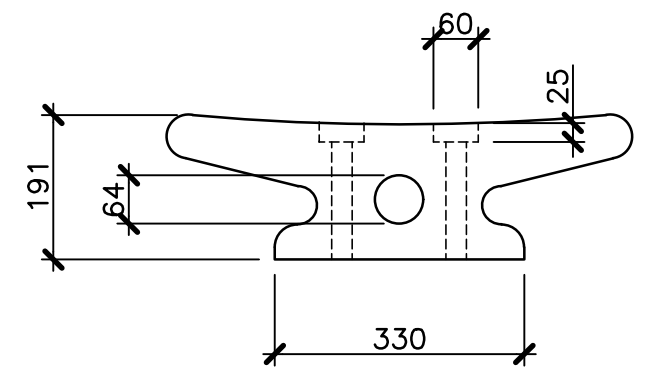
SECTION 'B-B'

DETAIL - TYPICAL TYPE 'B1' MOORING CLEAT CONCRETE PEDESTAL

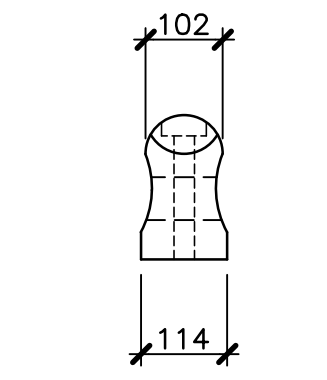
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



PLAN



FRONT ELEVATION

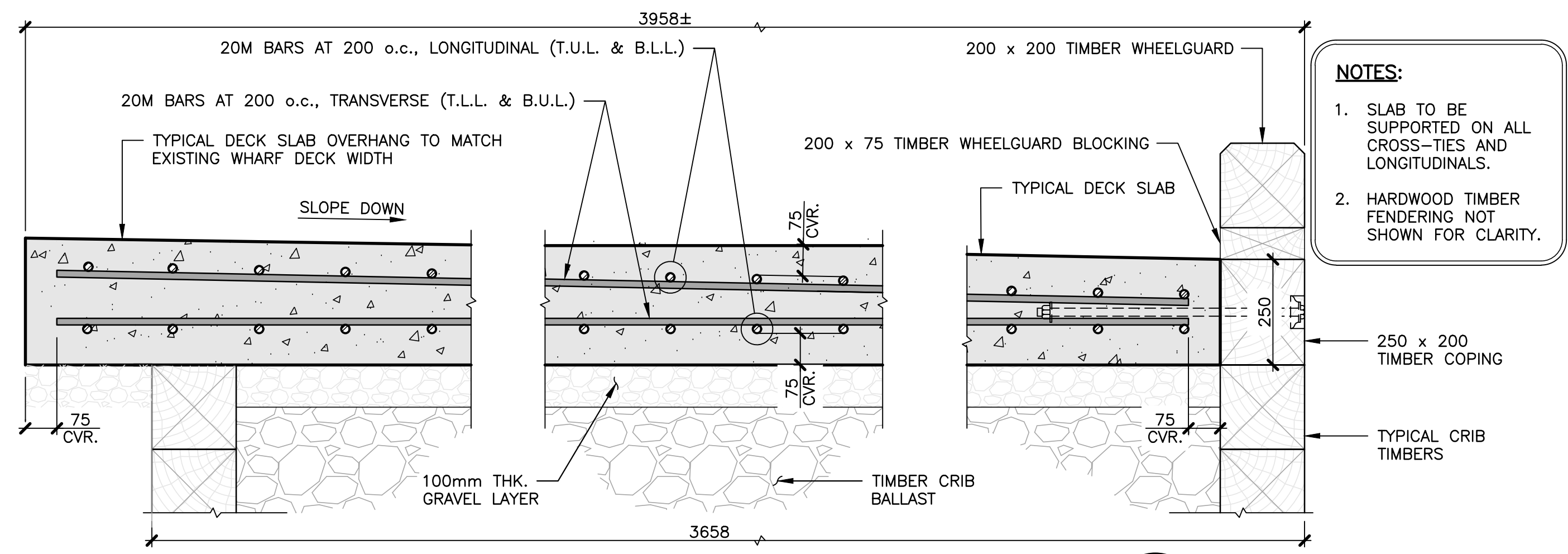


SIDE ELEVATION

DETAIL - TYPICAL TYPE 'B1' CLEAT

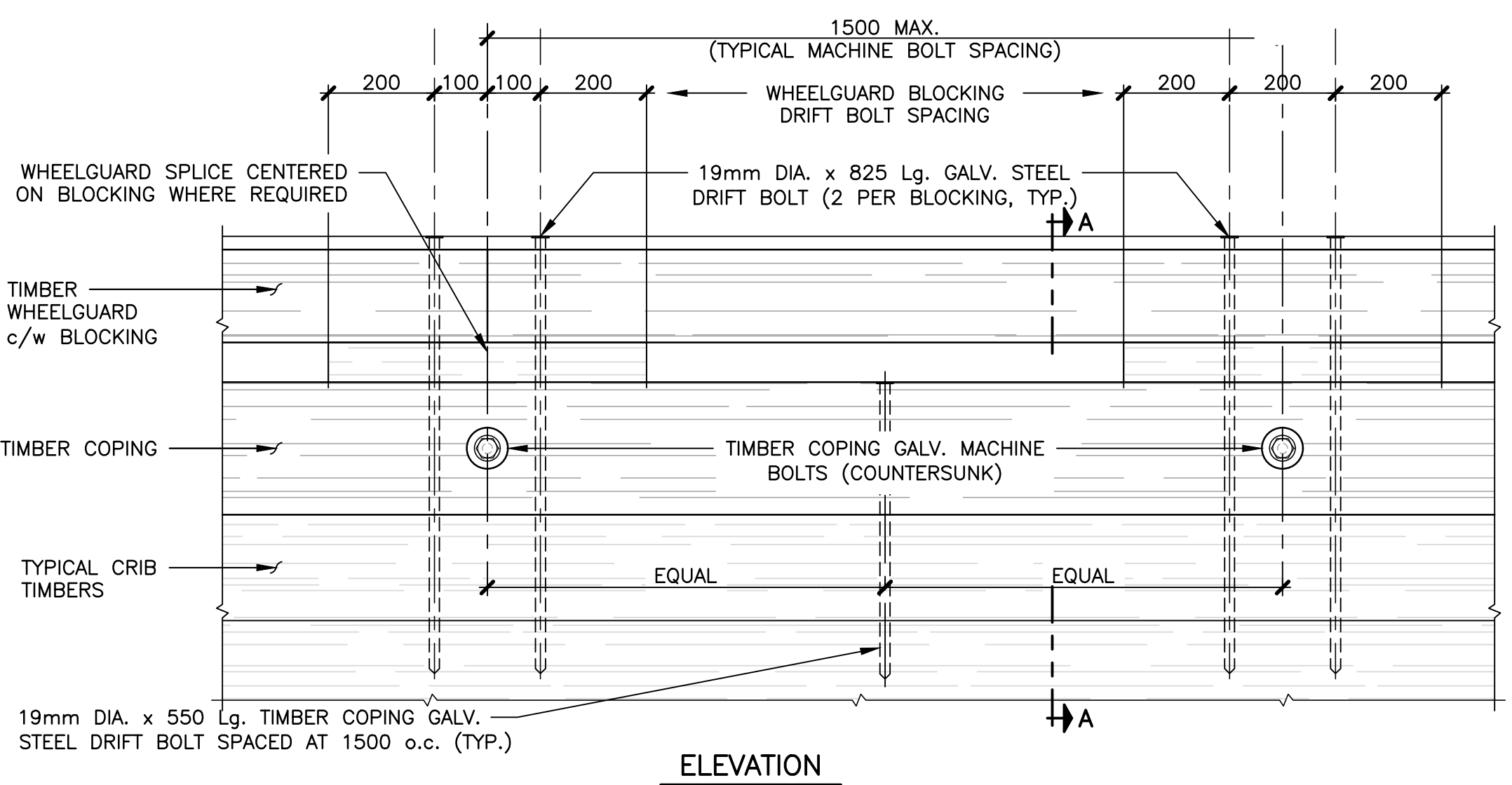
SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm

WEIGHT 36.2 kg.
RECESSED HOLE 60mm DIA.
x 38 CSK.
BOLT HOLE 28mm DIA.

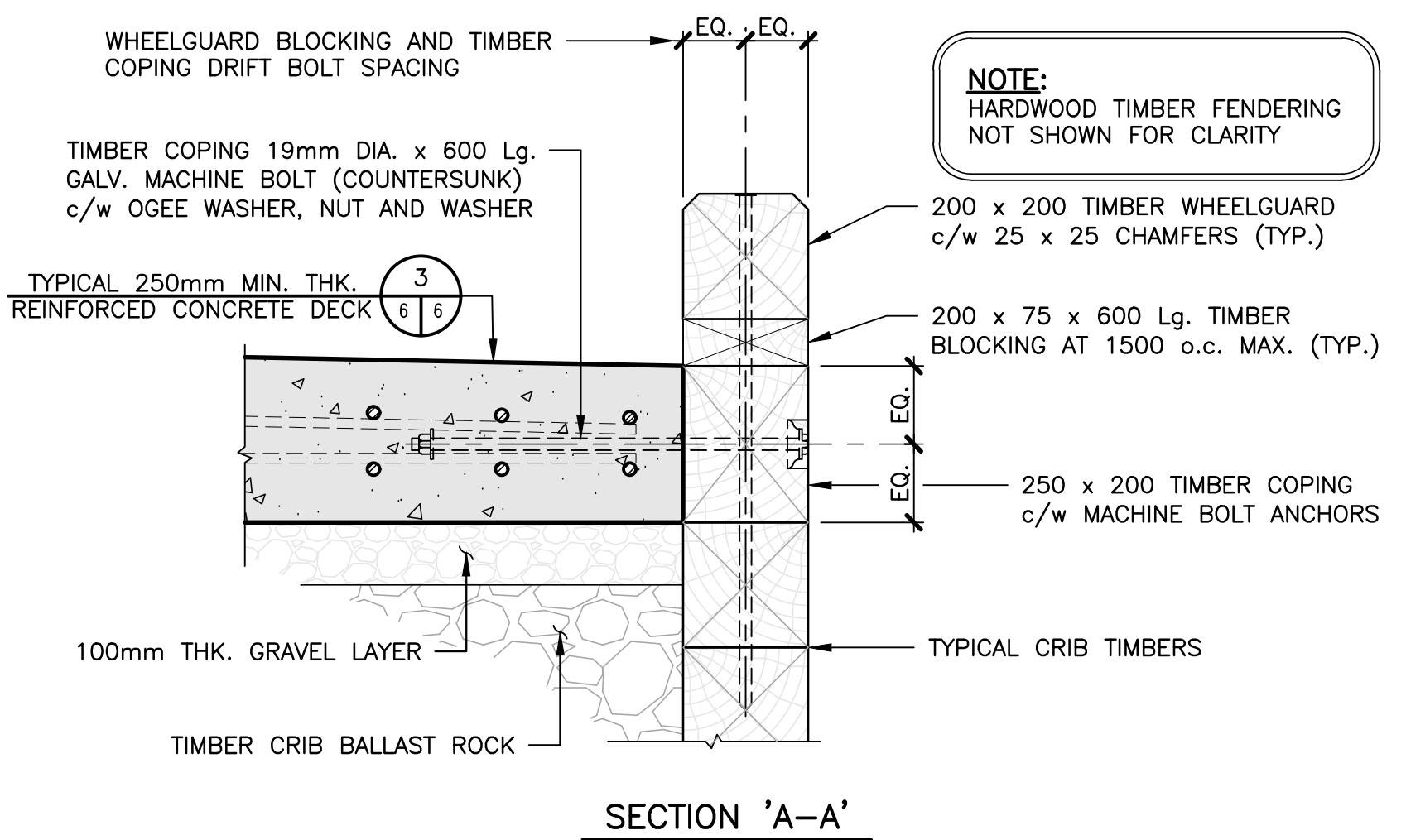


DETAIL - TYPICAL REINFORCED CONCRETE DECK

SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



ELEVATION



SECTION 'A-A'

DETAIL - TYPICAL TIMBER WHEELGUARD AND TIMBER COPING

SCALE : 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm

SMALL CRAFT HARBOURS



NOTES:

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PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEGS PERMIT HOLDER
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0	ISSUED FOR TENDER	JUNE 02 2022
revisions		date
project		project

LUSHES BIGHT
MARGINAL WHARF
RECONSTRUCTION
LUSHES BIGHT, NL

drawing	dessin
DETAILS (SHEET 1)	
designed	D. POWER concu
date	JANUARY, 2022
drawn	VINCENT LEE dessine
date	JANUARY, 2022
approved	approve
date	
Tender	P. FUDGE Soumission
DFO Project Manager	
project number	no. du projet
C2-00475	
drawing no.	no. du dessin
C6 OF 7	

SMALL CRAFT HARBOURS



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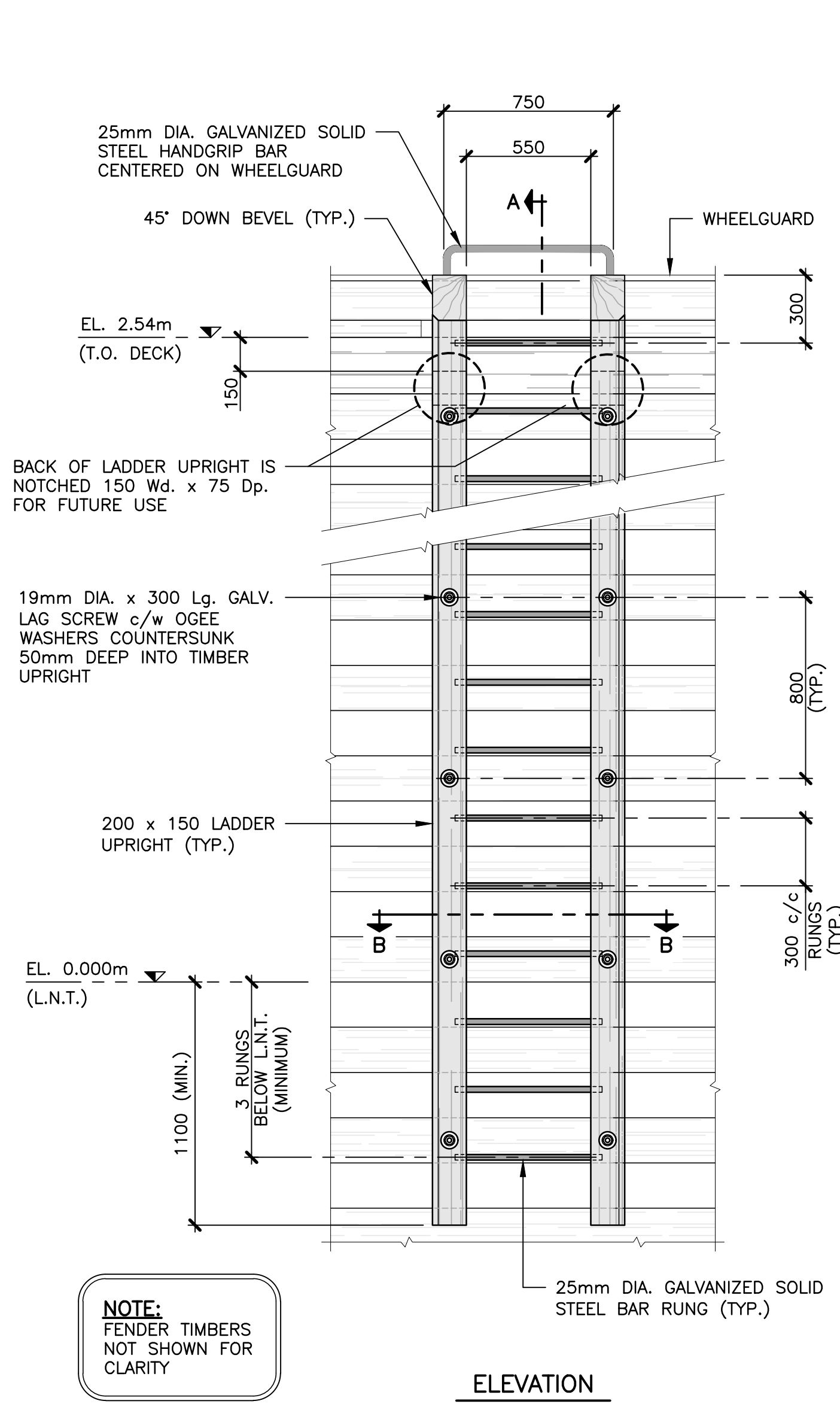
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revisions		date
project		projct

LUSHES BIGHT MARGINAL WHARF RECONSTRUCTION LUSHES BIGHT, NL

drawing no. dessin

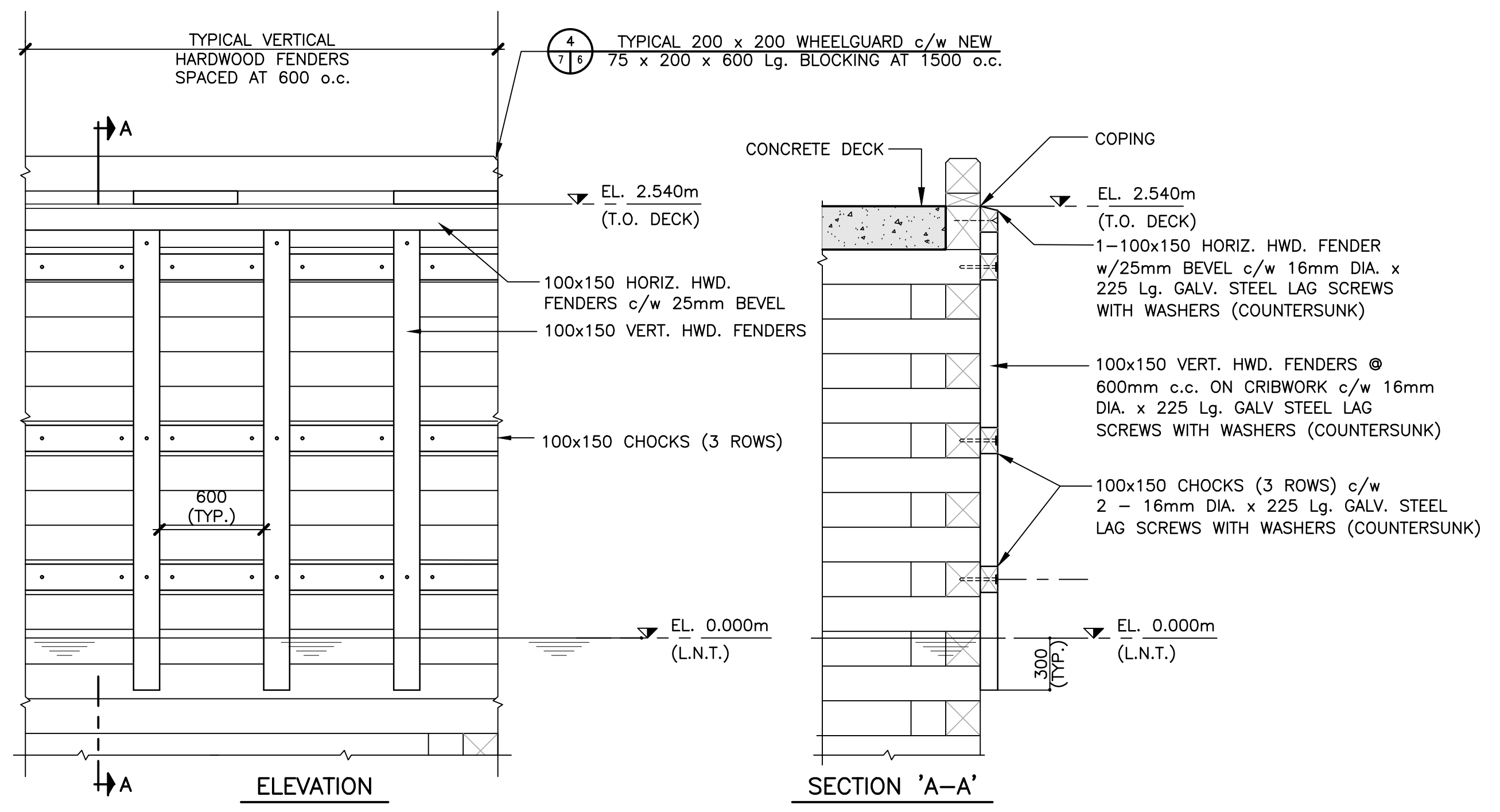
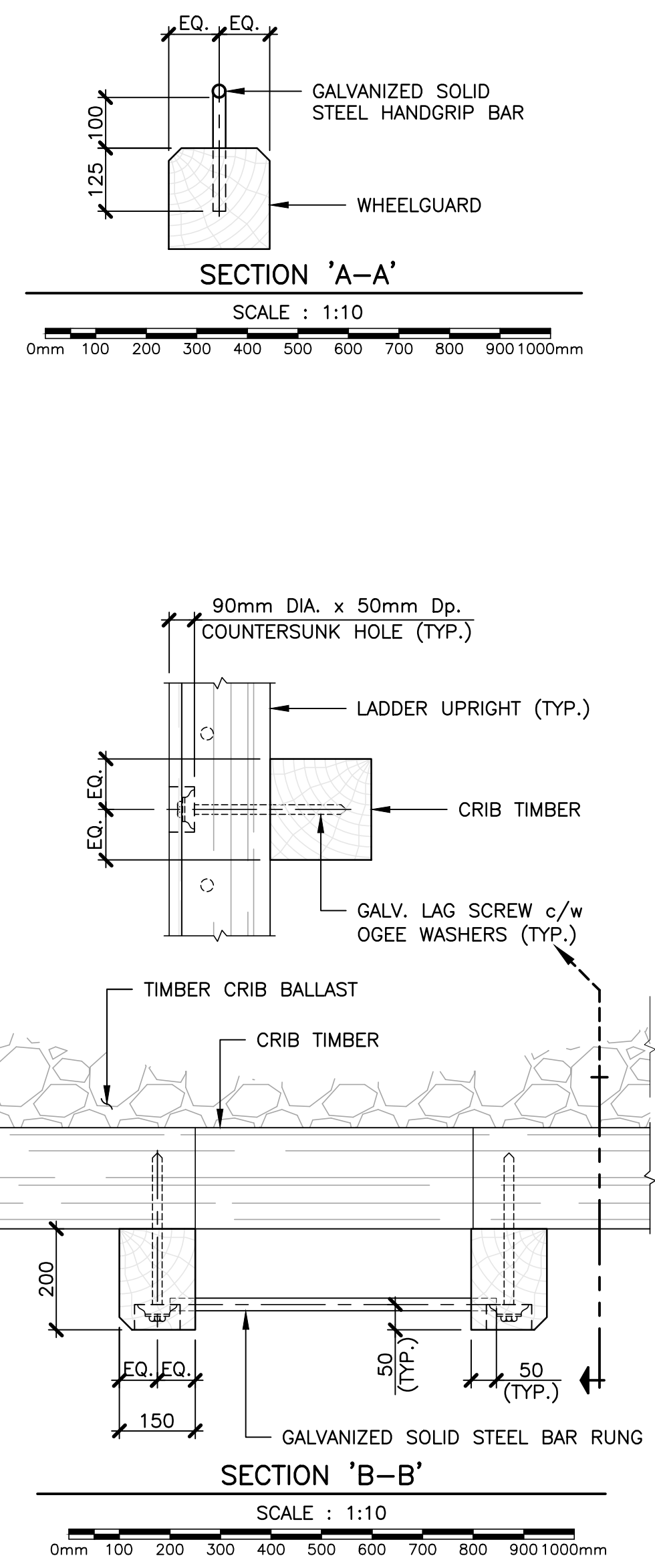
DETAILS (SHEET 2)

designed	D. POWER	concu
date	JANUARY, 2022	
drawn	VINCENT LEE	dessine
date	JANUARY, 2022	
approved		approuve
date		
Tender	P. FUDGE	Submission
DFO Project Manager		
project number		no. du projet
	C2-00475	
drawing no.		no. du dessin
	C7 OF 7	

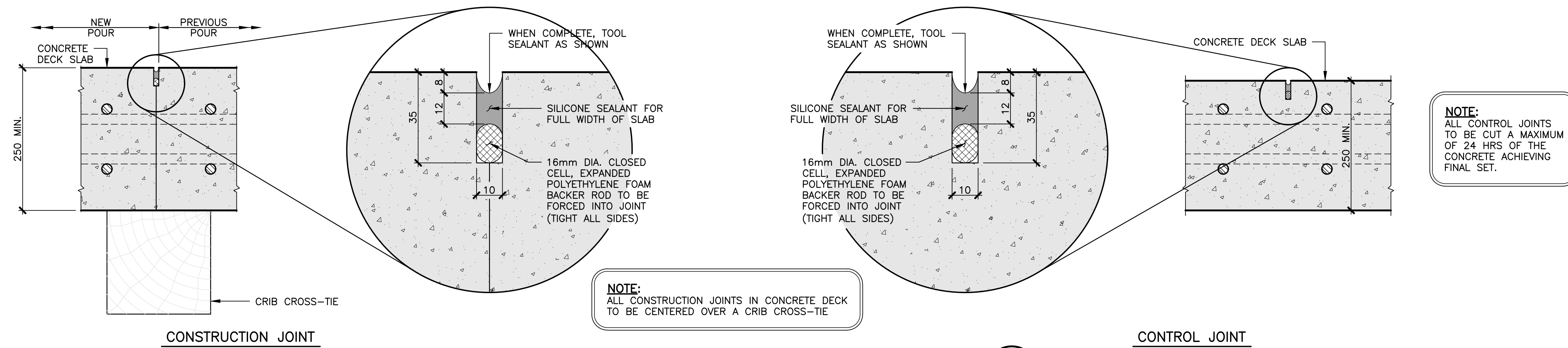


NOTE:
 FENDER TIMBERS NOT SHOWN FOR CLARITY

DETAIL - TYPICAL TIMBER LADDER
 SCALE : 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



DETAIL - TYPICAL 100 x 150 HARDWOOD TIMBER FENDERING
 SCALE : 1:25
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



NOTE:
 ALL CONTROL JOINTS TO BE CUT A MAXIMUM OF 24 HRS OF THE CONCRETE ACHIEVING FINAL SET.

NOTE:
 ALL CONSTRUCTION JOINTS IN CONCRETE DECK TO BE CENTERED OVER A CRIB CROSS-TIE

NOTE:
 REINFORCING TO BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS (MINIMUM PROJECTION = 830mm)