

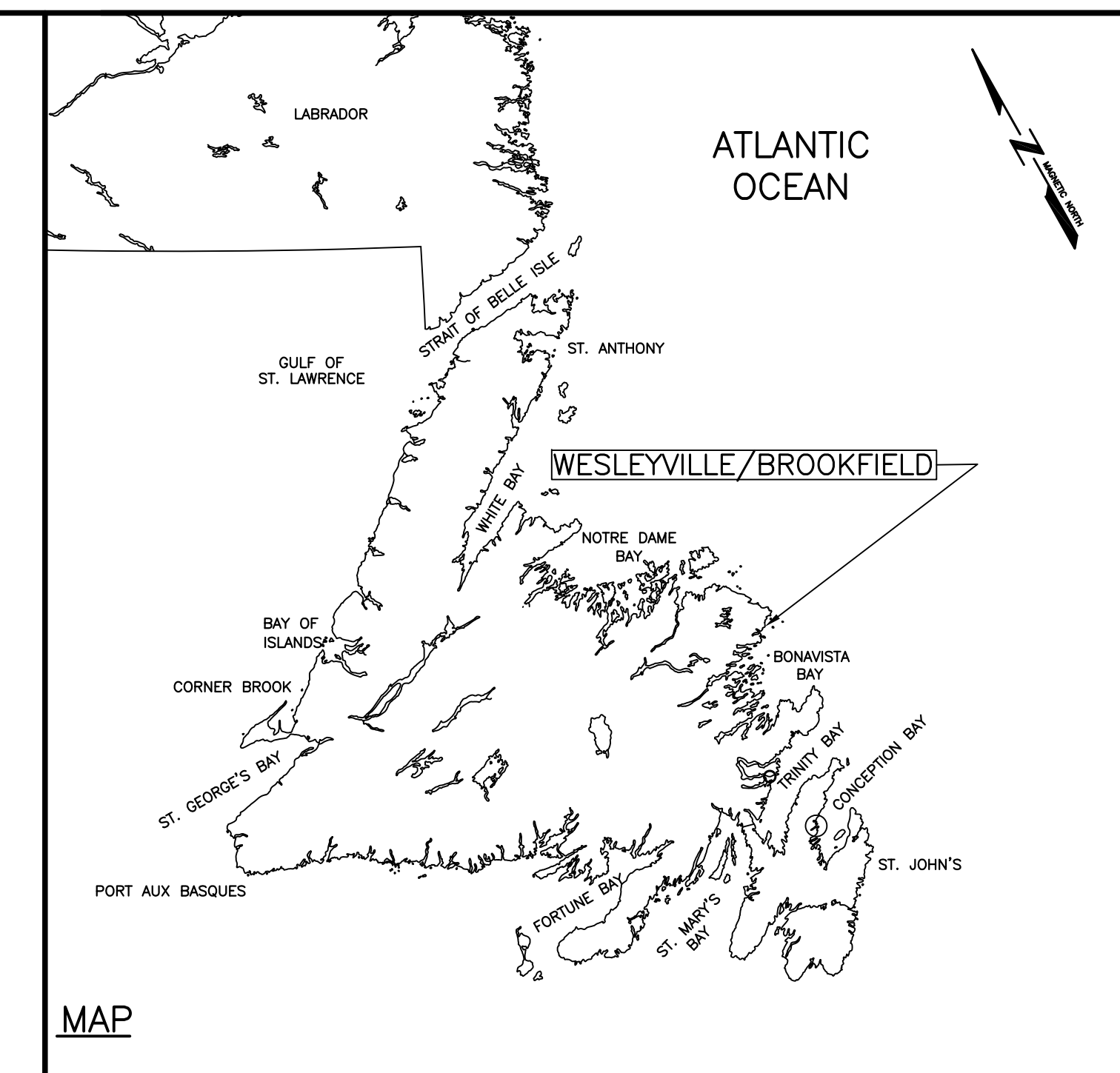
Fisheries and Oceans
Canada

Pêches et Océans
Canada



Small Craft Harbours
Newfoundland Region
St. John's, NL.

Ports Pour Petits Bateaux



FLOATING DOCK RECONSTRUCTION WESLEYVILLE (BROOKFIELD)

NEWFOUNDLAND AND LABRADOR

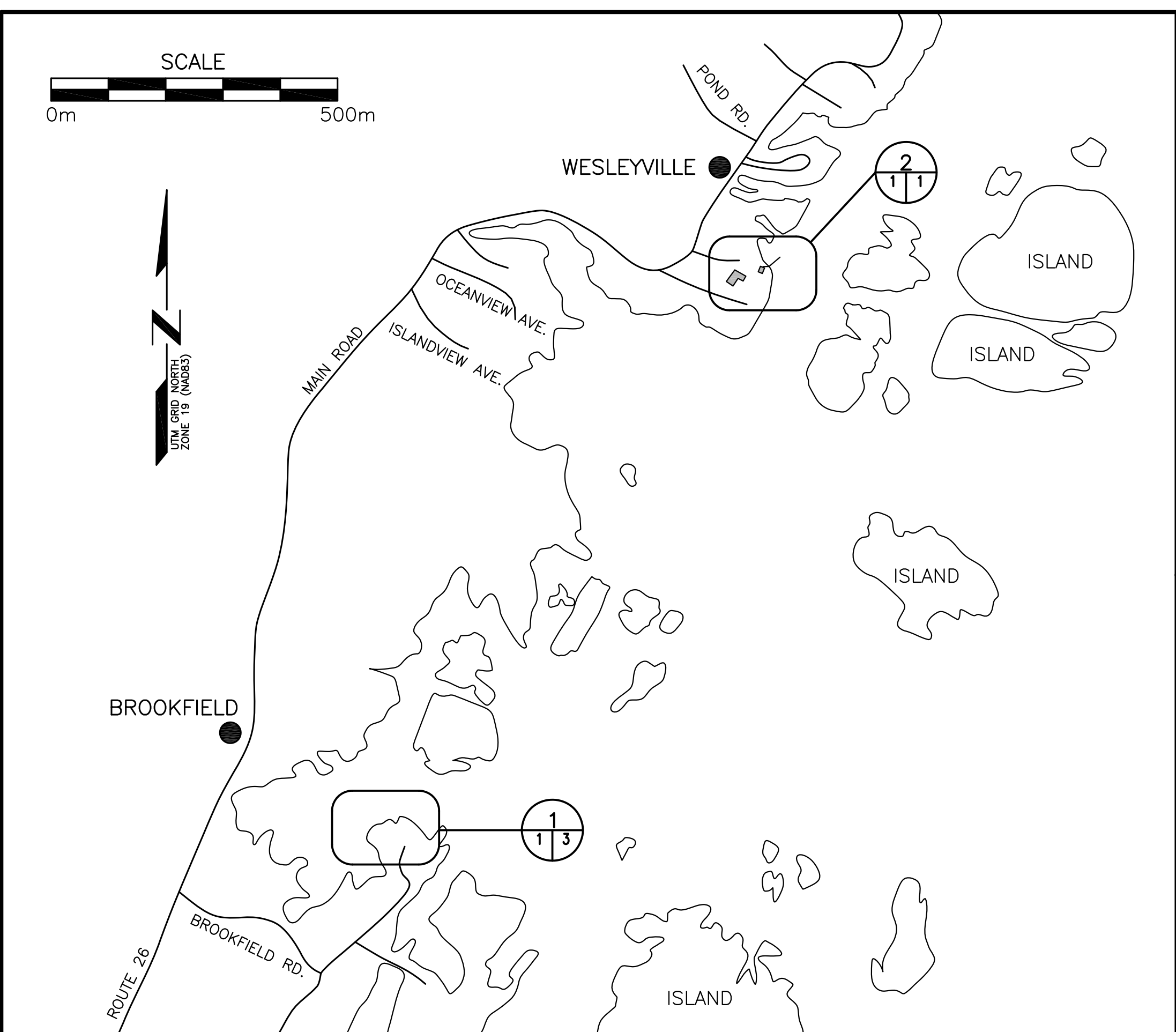
PROJECT NO. C2-00084

DRAWING LIST

CIVIL

- C1 EXISTING/DEMOLITION SITE PLAN (WESLEYVILLE)
- C2 NEW SITE PLAN (WESLEYVILLE)
- C3 EXISTING SITE PLAN (BROOKFIELD)
- C4 NEW SITE PLAN (BROOKFIELD)
- C5 ROAD PROFILE AND SECTIONS
- C6 SECTIONS AND DETAILS
- C7 PLANS, ELEVATIONS AND DETAILS – FLOATING DOCKS
- C8 PLANS, ELEVATIONS AND DETAILS – FLOATING DOCKS
- C9 PLANS, ELEVATIONS AND DETAILS – FLOATING DOCKS
- C10 GANGWAY PLAN, ELEVATIONS, SECTIONS AND DETAILS





SURVEY NOTES:

SURVEY PARTY CHIEF RICHARD HEALEY
 SURVEY VESSEL ALUMINUM BOAT
 SURVEY DATE(S) AUG.21-22,1991

SOUNDER TYPE: SINGLE TRANSDUCER
 SOUNDER SETTING MIN/INST VEL. OF SOUND 1520 m/s
 DEPTH GATE USED N/A FRE. OF TRANS. 210 kHz

POSITIONING SYSTEM USED TAGLINE & RANGES
 LAND SURVEY POSITION BY WILD T1000

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

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
 DATE OF PROCESSING AUG,1991

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

CONTROL POINTS:
 Pt. NAME EASTING NORTHING CD ELEV DESCRIPTION
 89G6082 313510.225 5446953.197 PROVINCIAL BRASS PLAQUE IN BEDROCK
 89G6083 312991.521 5446878.022 PROVINCIAL BRASS PLAQUE IN BEDROCK
 PWC 1-91 313639.237 5446391.982 +8.145 m BOLT SET IN BEDROCK
 PWC 2-91 313681.023 5446325.158 +2.789 m BOLT SET IN BEDROCK
 BM 1-91 +1.588 m "1" BOLT SET IN BEDROCK

ALL SOUNDINGS & ELEVATIONS IN METRES.
 ALL SOUNDINGS & ELEVATIONS REFERRED TO BM 1-91 ELEV. +1.588 m ("1" BOLT SET IN BEDROCK) ESTABLISHED BY WATER LEVEL TRANSFER USING CHS BM 1814,1956 ELEV. +6.89 m LOCATED AT VALLEYFIELD, N.F.L.D. ON AUG.21-22,1991 BY PWC SURVEY CREW.

SOUNDINGS TAKEN USING RAYTHEON DE 719-C SOUNDER AND POSITIONED BY TAGLINE & RANGES ON JUNE 25,1994 BY PWC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1927(NAD27).

BAR CHECK AT 1.0 m INTERVALS DOWN TO A DEPTH OF -7.0 m.

SOUNDINGS WERE REDUCED FROM SOUNDING CHARTS BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION.

ALL FIELD NOTES ARE IN WESLEYVILLE BOOK #138.

GENERAL LEGEND:

■ DENOTES ITEMS TO BE COMPLETELY DEMOLISHED AND REMOVED.

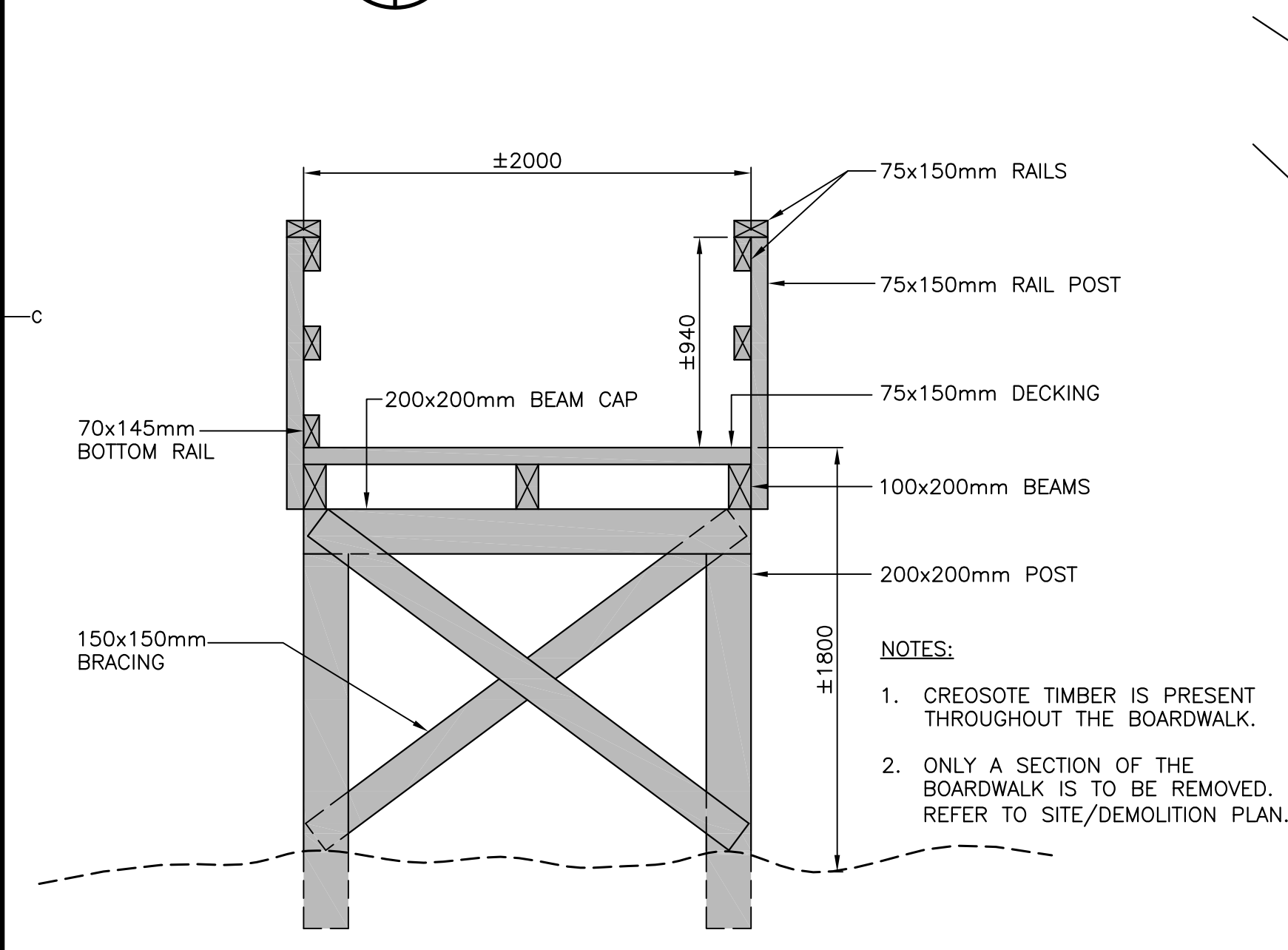
SMALL CRAFT HARBOURS

NOTES:

- ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- DO NOT SCALE FROM DRAWING, USE DIMENSIONS SHOWN.
- CONTRACTOR SHALL PROTECT ALL EXISTING ADJACENT PROPERTIES/INFRASTRUCTURE AND SHALL RESTORE ANY AREAS DISTURBED DURING CONSTRUCTION ACTIVITIES. DAMAGE TO GROUND AND PROPERTY WILL BE REPAIRED BY THE CONTRACTOR AT THEIR OWN COST.
- THE EXISTING STRUCTURES DESIGNATED FOR REMOVAL ARE IN A STATE OF DISREPAIR AND DEEMED STRUCTURALLY UNSAFE. CONTRACTOR SHALL DETERMINE WHAT SAFETY MEASURES NEED TO BE TAKEN DURING DEMOLITION ACTIVITIES.
- ENSURE ALL ITEMS WHICH ARE DESIGNATED FOR REMOVAL ARE FULLY EXTRACTED IN THEIR ENTIRETY. CONTRACTOR TO DISPOSE OF ALL DEMOLISHED MATERIALS AT A PROVINCIALLY APPROVED WASTE FACILITY. ALL CREOSOTE MATERIAL TO BE DISPOSED OF AT THE WASTE DISPOSAL FACILITY IN NORRIS ARM.
- RELIABLE AS-BUILT INFORMATION IS LIMITED. EXISTING WHARF PLANS AND SECTIONS SHOWN FOR INFORMATION ONLY. DIMENSIONS INDICATED ARE TO BE CONSIDERED APPROXIMATE AND THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD. CONTRACTOR TO BASE COST FOR DEMOLITION AND ASSOCIATED RISKS ACCORDINGLY.
- REFER TO SECTION 02 41 16 - STEWOK, DEMOLITION AND REMOVAL.
- CONTRACTOR TO USE CAUTION WHEN EXCAVATING IN THE UPLANDS AREA FOR ANY UNDERGROUND UTILITIES OR SERVICES NOT IDENTIFIED ON THE DRAWINGS. ANY SERVICE ENCOUNTERED SHALL BE PROPERLY REROUTED OR TERMINATED TO APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE, UTILITY COMPANIES AND MUNICIPAL REGULATIONS. CONTRACTOR SHALL CARRY NECESSARY COSTS IN DEMOLITION AND REMOVAL WORK.
- FLOATING DOCK CONCRETE ANCHORS AND CHAIN SHOWN FOR INFORMATION ONLY. ACTUAL DIMENSIONS, NUMBER AND CONFIGURATION TO BE CONSIDERED APPROXIMATE AND THE CONTRACTOR IS RESPONSIBLE TO VERIFY IN THE FIELD. EXISTING CONCRETE ANCHOR BLOCKS MAY HAVE SETTLED INTO THE HARBOUR BOTTOM. CONTRACTOR TO BASE COST FOR COMPLETE REMOVAL ACCORDINGLY.

revision	description	date
D	ISSUED FOR TENDER	21/06/03
C	ISSUED FOR 99% REVIEW	21/07/28
B	ISSUED FOR 66% REVIEW	21/07/09
A	ISSUED FOR 33% REVIEW	21/06/24

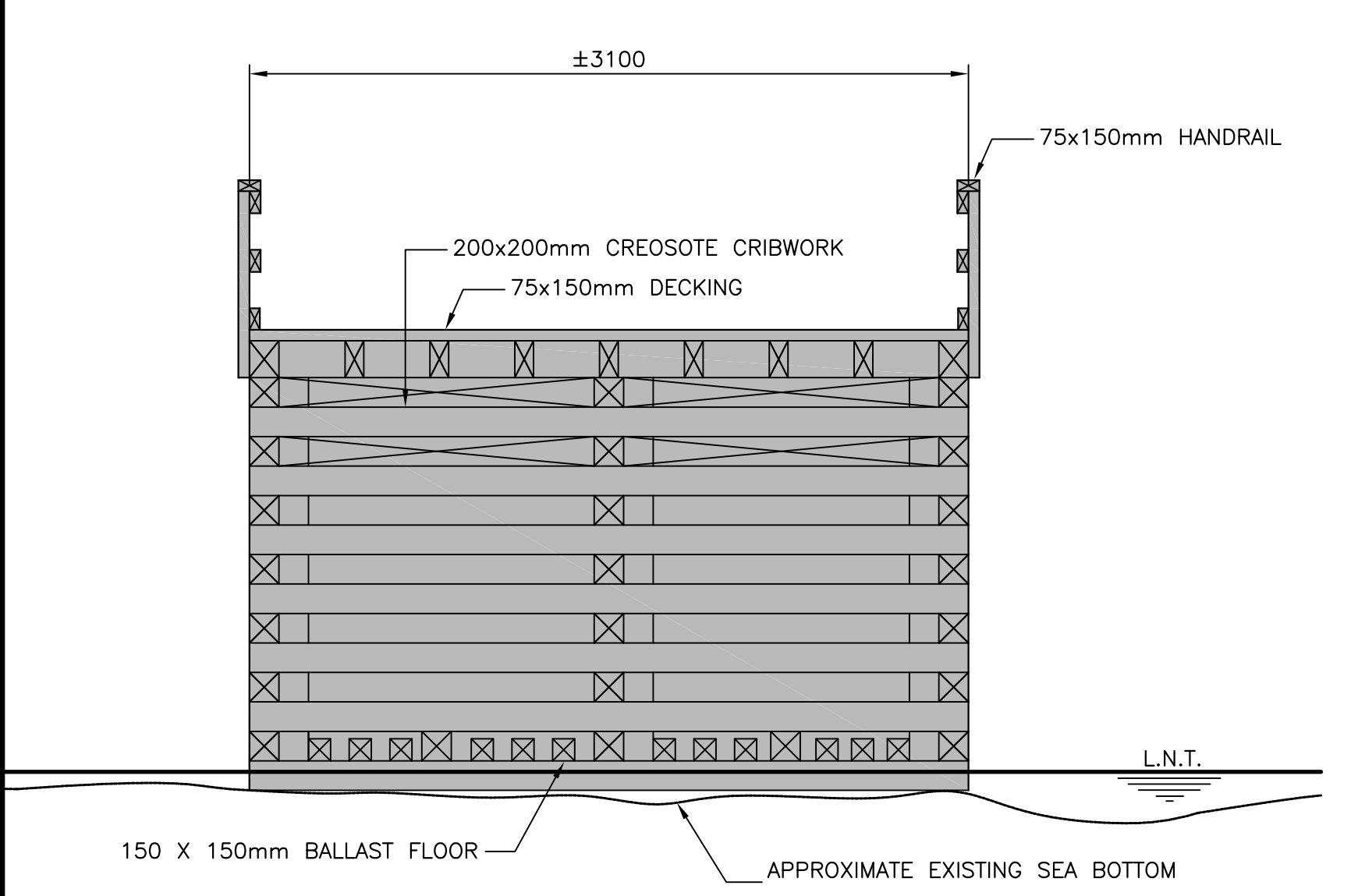
1 LOCATION PLAN
SCALE N.T.S.



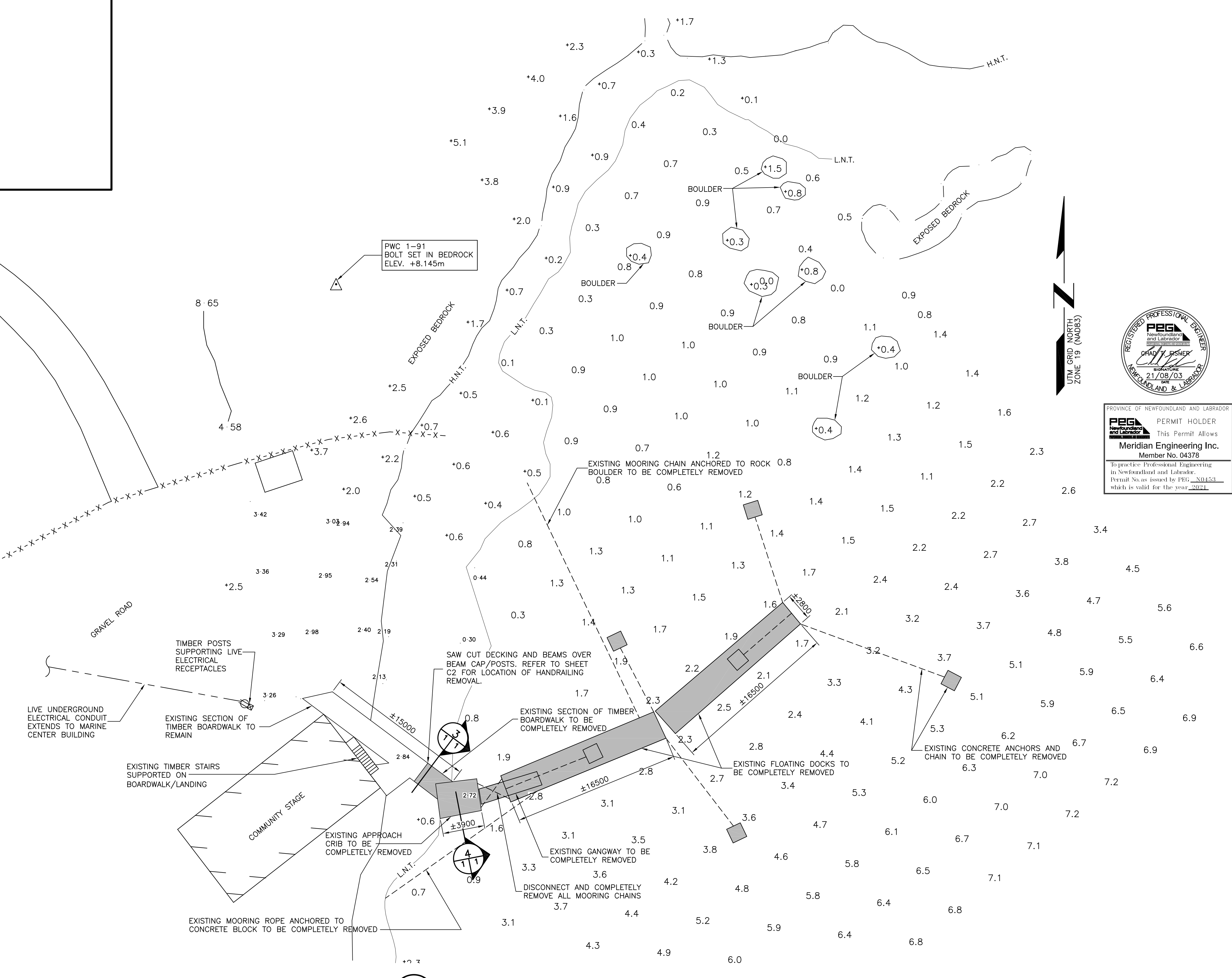
NOTES:

- CREOSOTE TIMBER IS PRESENT THROUGHOUT THE BOARDWALK.
- ONLY A SECTION OF THE BOARDWALK IS TO BE REMOVED. REFER TO SITE/DEMOLITION PLAN.

3 EXISTING TIMBER BOARDWALK SECTION (TYPICAL)
SCALE: 1:25



4 EXISTING APPROACH CRIB SECTION
SCALE: 1:40



2 EXISTING SITE/DEMOLITION PLAN (WESLEYVILLE)
SCALE: 1:200

PROVINCE OF NEWFOUNDLAND AND LABRADOR

PEG PERMIT HOLDER
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WESLEYVILLE (BROOKFIELD) FLOATING DOCK RECONSTRUCTION

EXISTING/DEMOLITION SITE PLAN (WESLEYVILLE)

designed C. FISHER concu
 date JUNE, 2021
 drawn R. SNOW desine
 date JUNE, 2021
 approved _____ approve
 date _____
 Tender Paul Curran Submission
 DFO Project Manager Administrateur de projets MPO
 project number no. du projet
C2-00084
 drawing no. no. du dessin
C1 OF 10

SMALL CRAFT HARBOURS



NOTES:

1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWING, USE DIMENSIONS SHOWN.
4. CONTRACTOR SHALL PROTECT ALL EXISTING ADJACENT PROPERTIES/INFRASTRUCTURE AND SHALL RESTORE ANY AREAS DISTURBED DURING CONSTRUCTION ACTIVITIES. DAMAGE TO GROUND AND PROPERTY WILL BE REPAIRED BY THE CONTRACTOR AT THEIR OWN COST.
5. ALL TIMBER TO BE TREATED TO CSA 080, LATEST EDITION, UNLESS OTHERWISE NOTED.
6. GALVANIZING TO CONFORM TO ASTM A123/123M, LATEST EDITION.

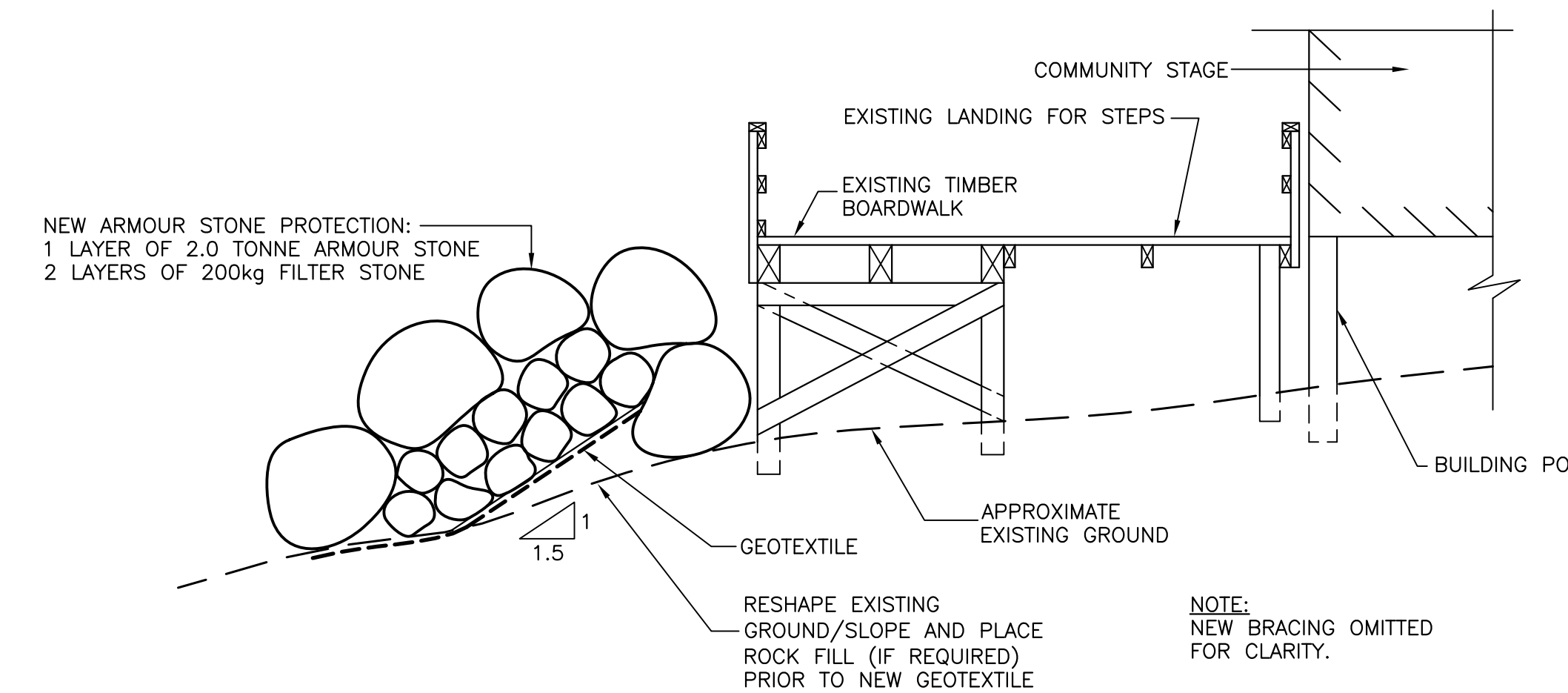


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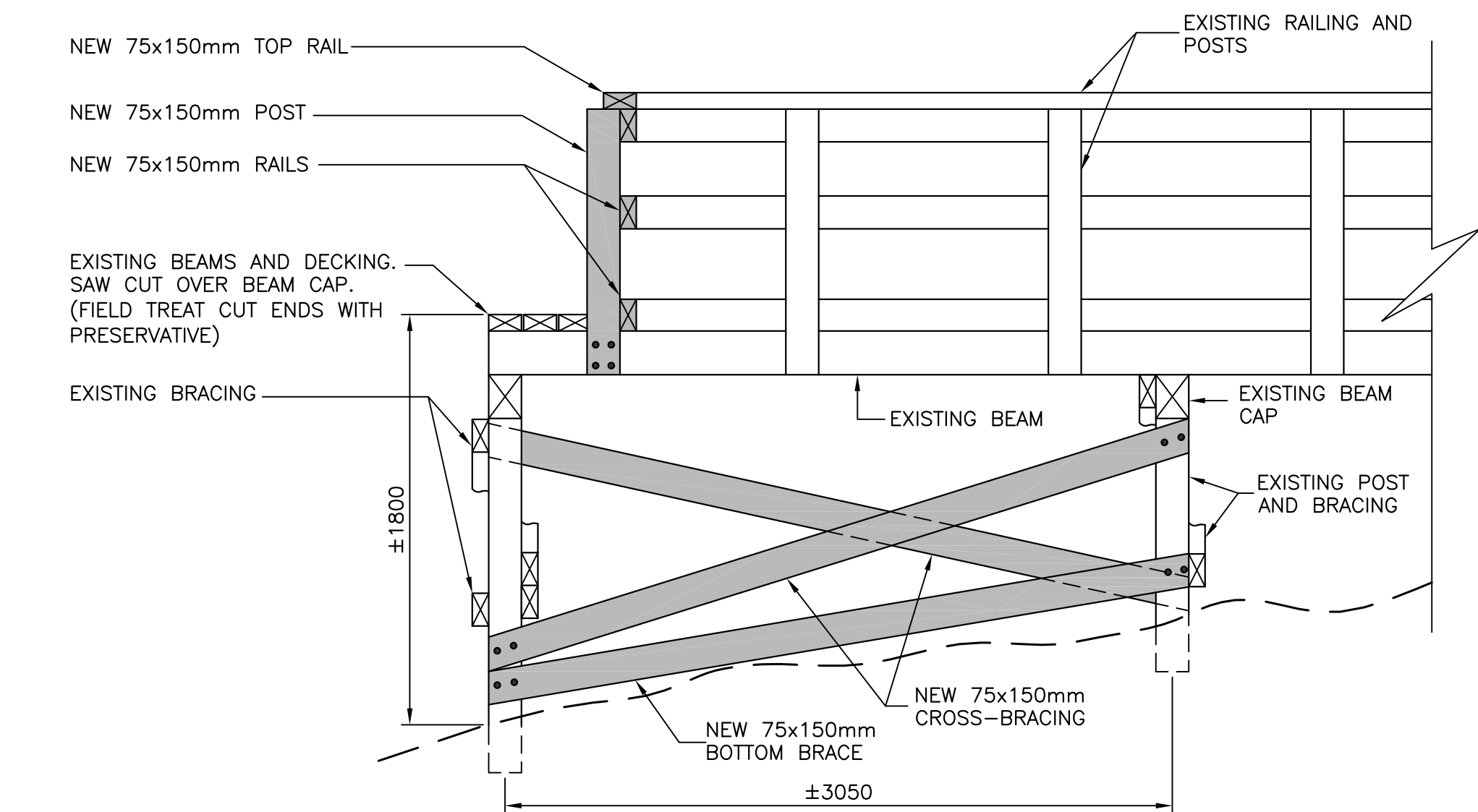
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project	project

**WESLEYVILLE (BROOKFIELD)
 FLOATING DOCK
 RECONSTRUCTION**

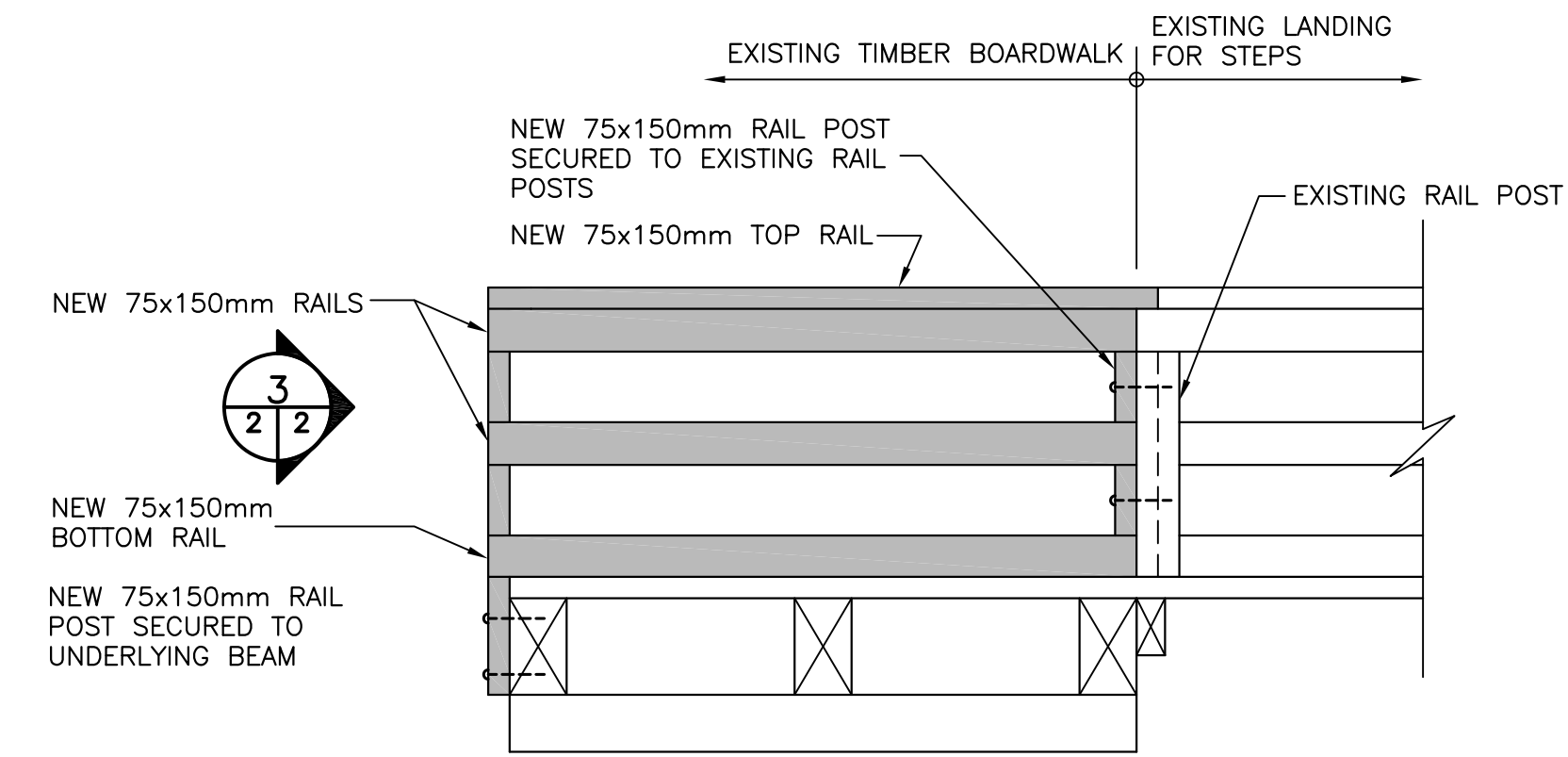
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 date JUNE, 2021
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 date JUNE, 2021
 approved
 date
 Tender Paul Curran Submission
 DFO Project Manager Administrateur de projets MPO
 project number no. du projet
C2-00084
 drawing no. no. du dessin
C2 OF 10



2 TYPICAL ARMOUR STONE PROTECTION SECTION
 SCALE: 1:50

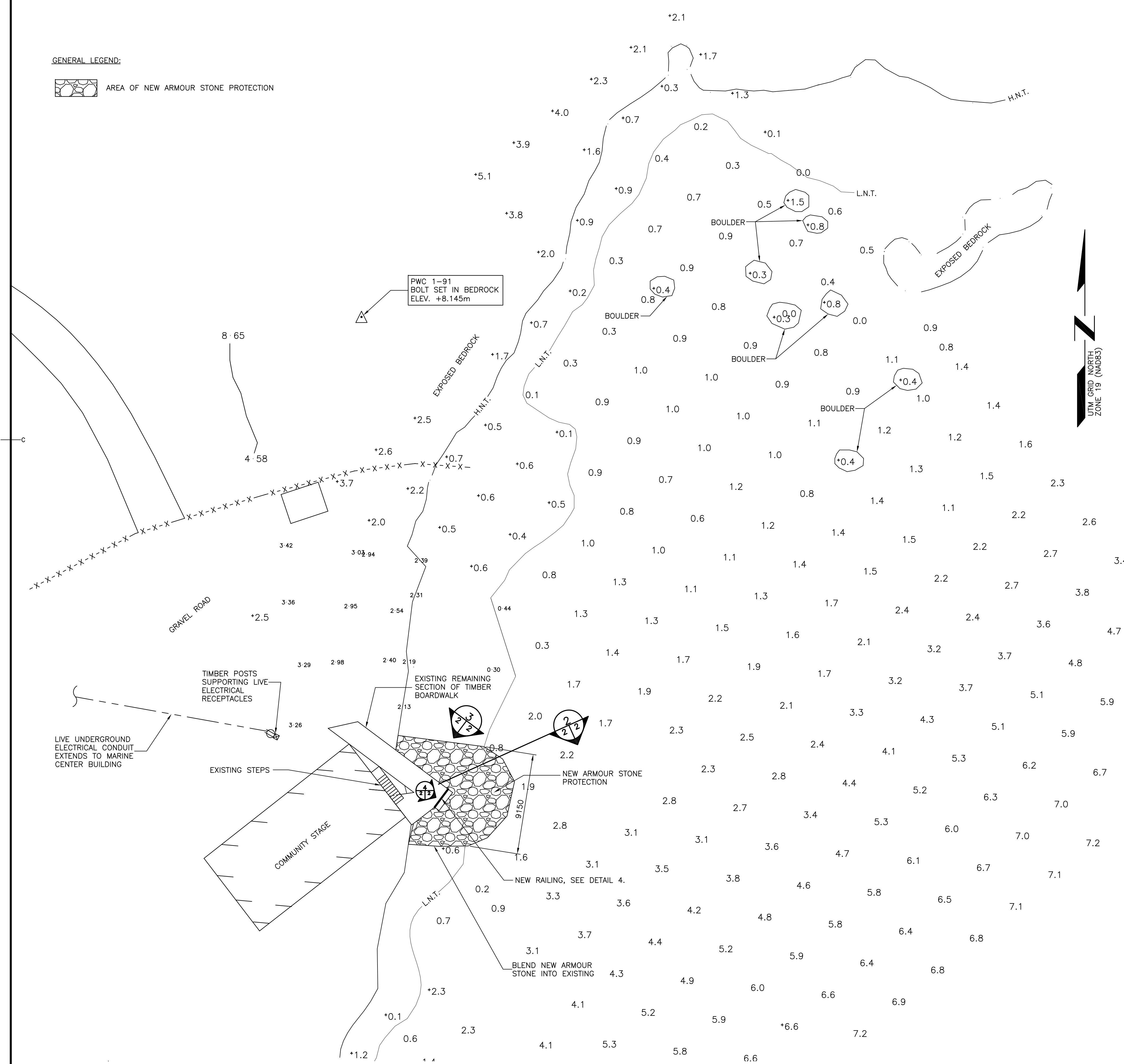


3 EXISTING TIMBER BOARDWALK MODIFICATIONS - BRACING ELEVATION
 SCALE: 1:25

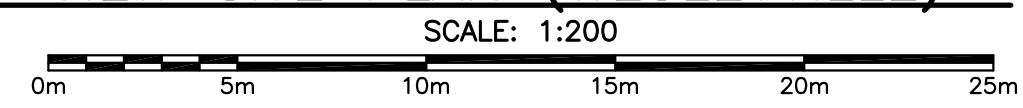


4 EXISTING TIMBER BOARDWALK MODIFICATIONS - RAILING ELEVATION
 SCALE: 1:25

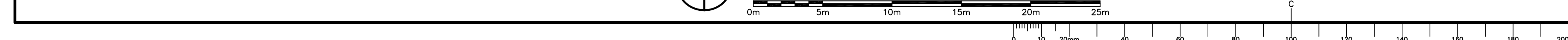
GENERAL LEGEND:



1 NEW SITE PLAN (WESLEYVILLE)
 SCALE: 1:200



11



SURVEY NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
 SURVEY VESSEL ALUMINUM BOAT
 SURVEY DATE(S) MAY 19, 2021
 SOUNDER TYPE: SINGLE TRANSDUCER
 SOUNDER SETTING MIN/INST VEL. OF SOUND 1470 m/s
 DEPTH GATE USED N/A FRE. OF TRANS. 200 KHZ
 POSITIONING SYSTEM USED TRIMBLE R7 GNSS DGPS (WITH OTF)
 LAND SURVEY POSITION BY TRIMBLE R7 GNSS DGPS (WITH OTF)
 DATA TAPE/DISC(S) USED
 CAD DRAWING FILE(S)
 TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
 DATE OF PROCESSING MAY 2021
 MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
 MATRIX CELL WIDTH X LENGTH
 REDUCTION OF MATRIX CELLS

PL. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
B96082	313587.121	5447163.092	+3.07 m	C.I. BRASS PLAQUE SET IN BEDROCK
BM 9279163	313163.880	5446572.270	+4.655 m	C.H.S BRASS PLAQUE SET IN CONCRETE BASE OF BOLLARD
PWC 1-2021	311871.456	5445925.993	+4.655 m	X-CUT IN ANCHOR BOLT IN BEDROCK
PWC 2-2021	311876.987	5445868.967	+4.968 m	X-CUT IN MANHOLE COVER
F.I.P. #1	311881.247	5445925.313		FOUND IRON PIN WITH CAP
F.I.P. #2	311879.274	5445933.963		FOUND IRON PIN WITH CAP
F.I.P. #3	311886.180	5445931.359		FOUND IRON PIN WITH CAP

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO PWC 1-2021 ELEV. +4.655 m (X-CUT IN ANCHOR BOLT SET IN BEDROCK) AND WAS ESTABLISH BY DGPS TRANSFER FROM CHS BM 9279163 LOCATED AT WESLEYVILLE.

SOUNDINGS TAKEN USING NAVSOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM ON MAY 19, 2021 BY PWGSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 22, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83).

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

SOUNDINGS WERE REDUCED USING HYPACK MAX VER. 2013*.

SPEED OF SOUND WAS OBTAINED USING A DIGIBAR-PRO VELOCIMETER.

ALL FIELD NOTES ARE IN BROOKFIELD BOOK #999.

LEGEND

SYMBOLS	
○	ANCHORAGE
○	ANCHOR BOLT
○	BOLLARD
○	BORHOLE
■	BOUNDARY MARKER
□	CARD POSITION BODY
□	CATCH BASIN
□	CLEAR
□	CONCRETE
□	DEBRIS
□	DECK CONTROL
□	ELECTRICAL OUTLET
□	FIRE HYDRANT
□	FIRST AID
□	FISH HANGING EQUIP.
□	FOG HORN
□	FUEL PUMP
□	FUEL TANK
□	HORIZONTAL CONTROL
□	ICE PLANT
□	INSERT PIPE
□	IR CHINE
□	FLAG POLE
○	LAGGER
○	LIFE RING
○	LIGHT STANDARD
○	MANHOLE
○	MESH
○	NAVIGATION LIGHT
○	OBSERVED SHIP BODY
○	PIPE FILE
○	RANGE LIGHT
○	SAFETY POST
○	SEWER OUTFLOW PIPE
○	SON
○	TELEPHONE
○	TELEPHONE POLE
○	TIDE GUAGE/STAFF
○	TREE
○	UTILITY POLE
○	VERTICAL CONTROL
○	WATER TAP/OUTLET
○	WATER VALVE
○	WATER WELL
○	WOOD FILE
LINETYPE	
---	ANCHOR STAKE
---	CH. MARKER
---	DRAIN PIPE
---	EDGE ROAD / SHOULDER
---	FENCE LINE
---	FLOODING WATERMARK
---	GAUGE RAIL
---	HIGH WATER MARK
---	LOW WATER MARK
---	MARSH OUTLINE
---	PROPERTY BOUNDARY
---	RANGE LIGHT EXTENSION
---	RETAINING WALL
---	TRIM
---	TOE OF BANK
---	TREE LINE
---	UNDERGROUND CABLE



EXISTING SITE PLAN (BROOKFIELD)
 SCALE: 1:250
 0m 5m 10m 15m 20m 25m

SMALL CRAFT HARBOURS



- NOTES:**
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 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
 3. DO NOT SCALE FROM DRAWING, USE DIMENSIONS SHOWN.
 4. IN THE AREA OF THE NEW ACCESS ROAD, CONTRACTOR SHALL CLEAR AND GRUB ALL EXISTING UNSUITABLE MATERIALS, INCLUDING GRASS, TOPSOIL, BUSHES, ETC. SCARIFY/COMPACT EXISTING SUB-GRADE AND EXCAVATE, IF NECESSARY, TO ENSURE A MINIMUM OF 150mm GRANULAR BASE AND 300mm GRANULAR SUB-BASE FOR THE NEW ROAD.

GENERAL LEGEND:
 APPROXIMATE AREA TO BE CLEARED/GRUBBED. SEE NOTE 4.



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revisions	date
D	ISSUED FOR TENDER 21/08/03
c	ISSUED FOR 99% REVIEW 21/07/28
B	ISSUED FOR 66% REVIEW 21/07/09
A	ISSUED FOR 33% REVIEW 21/06/24

WESLEYVILLE (BROOKFIELD) FLOATING DOCK RECONSTRUCTION

EXISTING SITE PLAN (BROOKFIELD)

designed C. FISHER	conclu
date JUNE, 2021	
drawn R. SNOW	dessine
date JUNE, 2021	
approved	approuvé
date	
Tender Paul Curran	Soumission
DFO Project Manager Administrateur de projets MPO	
project number no. du projet	
C2-00084	
drawing no. no. du dessin	
C3 OF 10	

SMALL CRAFT HARBOURS



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5. CONTRACTOR SHALL EXCAVATE AND DREDGE IN SUCH A MANNER AS TO ENSURE STABILITY OF SIDE SLOPES. DREDGING SLOPE PAY LIMITS TO BE 1.5H:1.0V EXCEPT IN ROCK, WHICH SHALL BE 1.0H:4.0V, UNLESS SPECIFICALLY INDICATED OTHERWISE. REFER TO SPECIFICATIONS SECTION 35 20 23 - DREDGING.
6. CONTRACTOR TO CONFIRM ALL FINISH GRADES IN THE FIELD TO PROVIDE A SMOOTH TRANSITION INTO EXISTING FEATURES. MAINTAIN POSITIVE DRAINAGE AND AVOID CREATING ANY LOW SPOTS. COORDINATE WITH DEPARTMENTAL REPRESENTATIVE.
7. CONTRACTOR SHALL ESTABLISH SURVEY LAYOUT POINTS PRIOR TO COMMENCING ANY WORK. CONFIRM AND COORDINATE WORK AREA WITH THE DEPARTMENTAL REPRESENTATIVE.

GENERAL LEGEND:

- NEW APPROACH CRIB (3660 x 3660mm)
- NEW FLOATING DOCKS
- NEW GANGWAY
- AREA OF NEW ARMOUR STONE PROTECTION
- AREA OF NEW FILTER STONE PROTECTION
- AREA OF NEW ACCESS ROAD
- AREA TO BE DREDGED TO -1.5m
- NEW FINISH GRADE
- SURVEY LAYOUT POINT



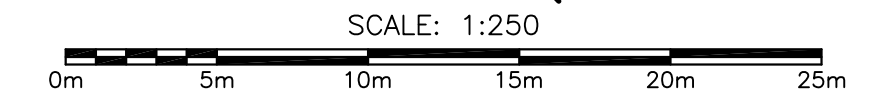
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GPS TIE-INS FOR NEW WORK			
POINT	EASTING	NORTHING	NOTES
LP1	311884.231	5445928.906	STA. 0+000
LP2	311878.009	5445945.067	STA. 0+017.314
LP3	311860.529	5445973.138	STA. 0+050.383
LP4	311847.033	5445987.464	NEW CRIB
LP5	311849.894	5445989.746	NEW CRIB
LP6	311863.143	5445984.446	TURN AROUND
LP7	311829.907	5445990.181	DREDGING
LP8	311830.915	5446000.740	DREDGING
LP9	311817.623	5445998.488	DREDGING
LP10	311817.982	5446008.061	DREDGING

SEE NOTE 7.



NEW SITE PLAN (BROOKFIELD)
 SCALE: 1:250



revisions	date
D	ISSUED FOR TENDER 21/08/03
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A	ISSUED FOR 33% REVIEW 21/06/24

**WESLEYVILLE (BROOKFIELD)
 FLOATING DOCK
 RECONSTRUCTION**

**NEW SITE PLAN
 (BROOKFIELD)**

designed	C. FISHER	conçu
date	JUNE, 2021	
drawn	R. SNOW	dessiné
date	JUNE, 2021	
approved		approuvé
date		
Tender	<i>Paul Curran</i>	Soumission
DFO Project Manager	Administrateur de projets MPO	
project number	no. du projet	
	C2-00084	
drawing no.	no. du dessin	
	C4 OF 10	

SMALL CRAFT HARBOURS



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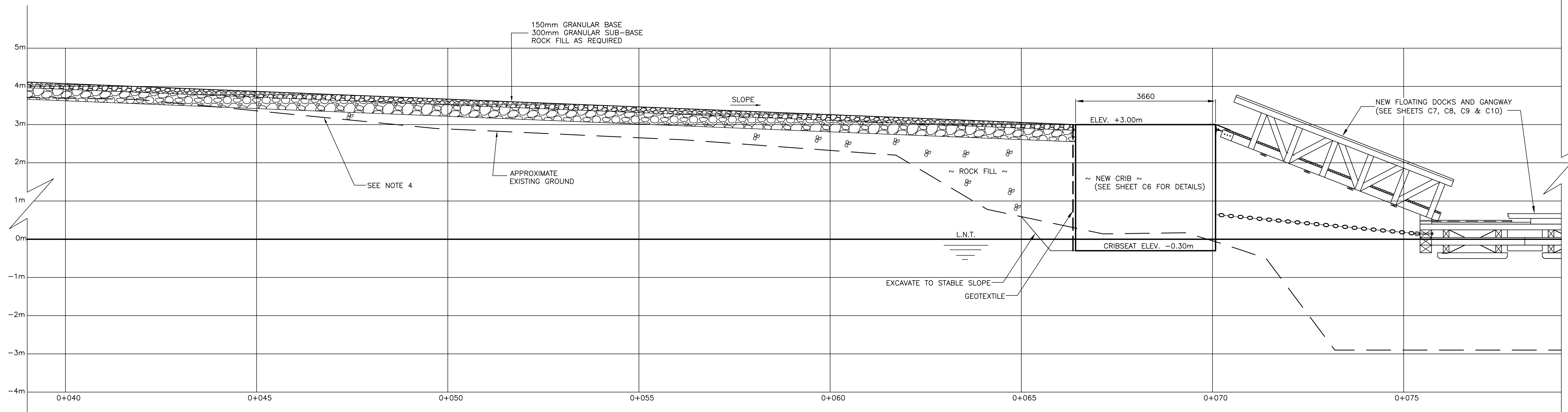
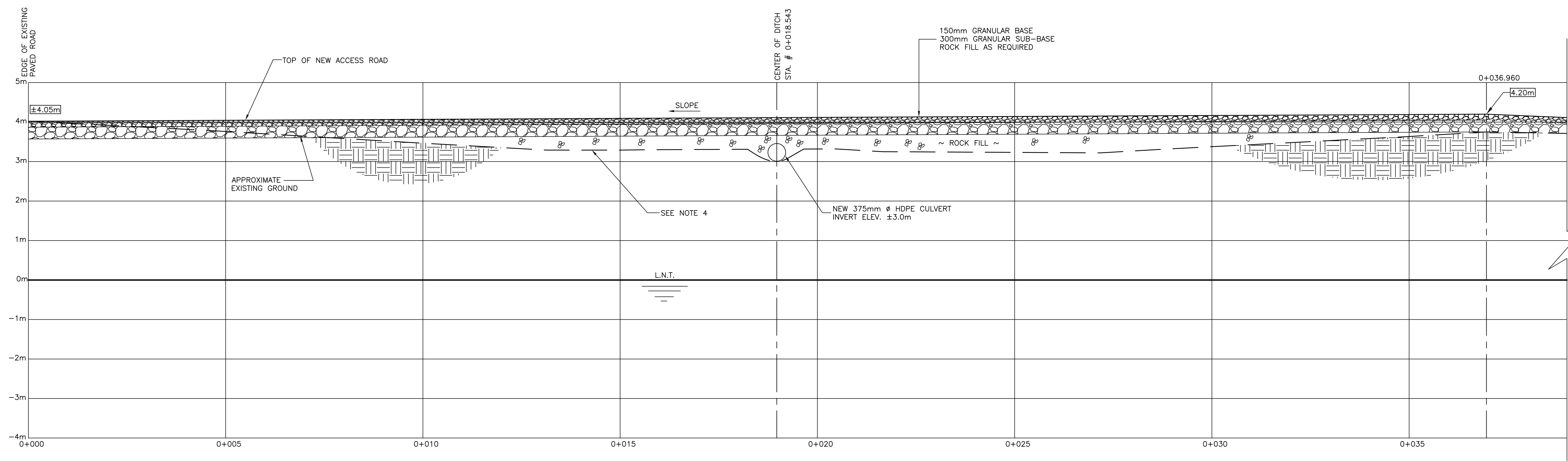
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revisions	date
project	project

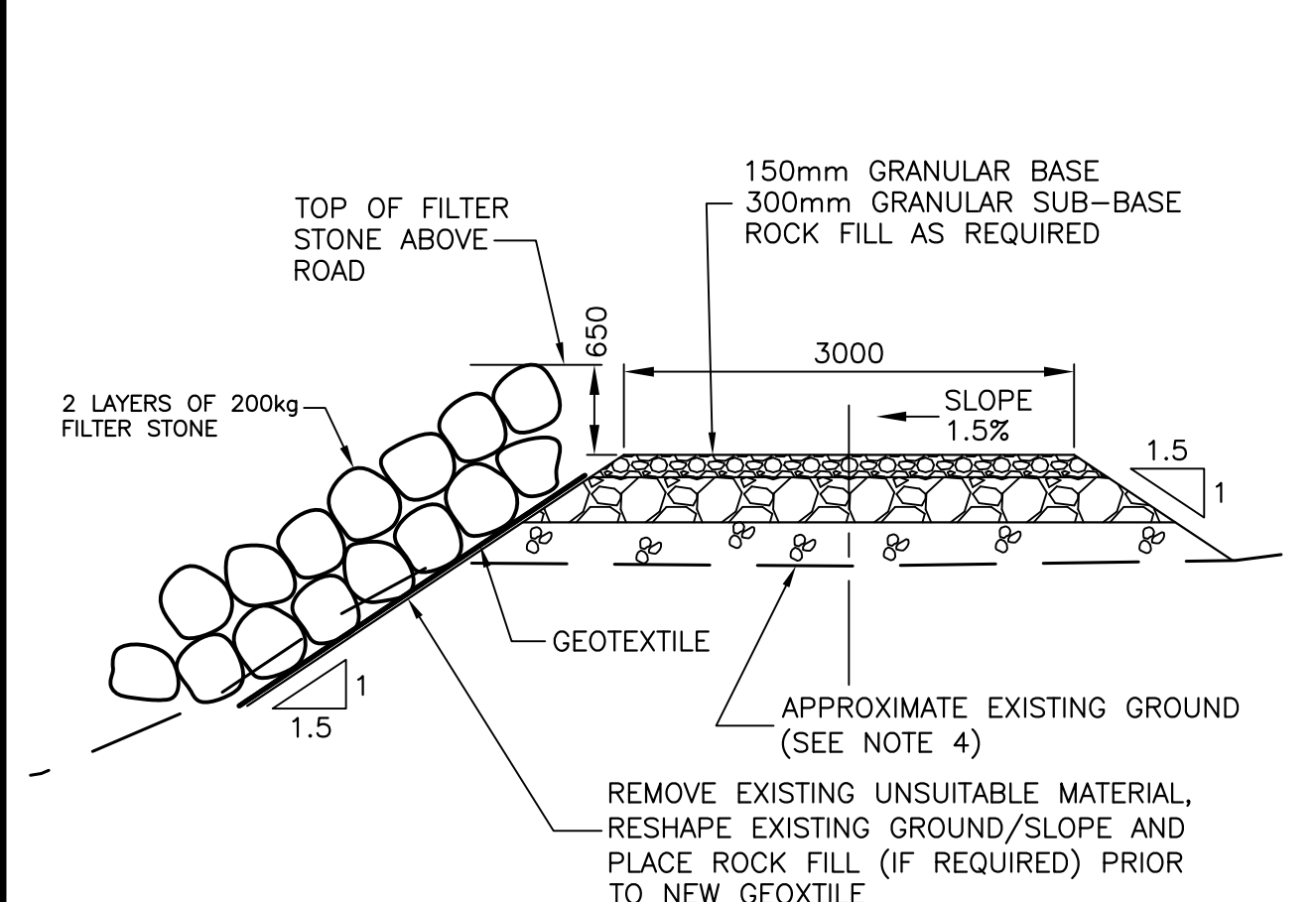
WESLEYVILLE (BROOKFIELD) FLOATING DOCK RECONSTRUCTION

ROAD PROFILE AND SECTIONS

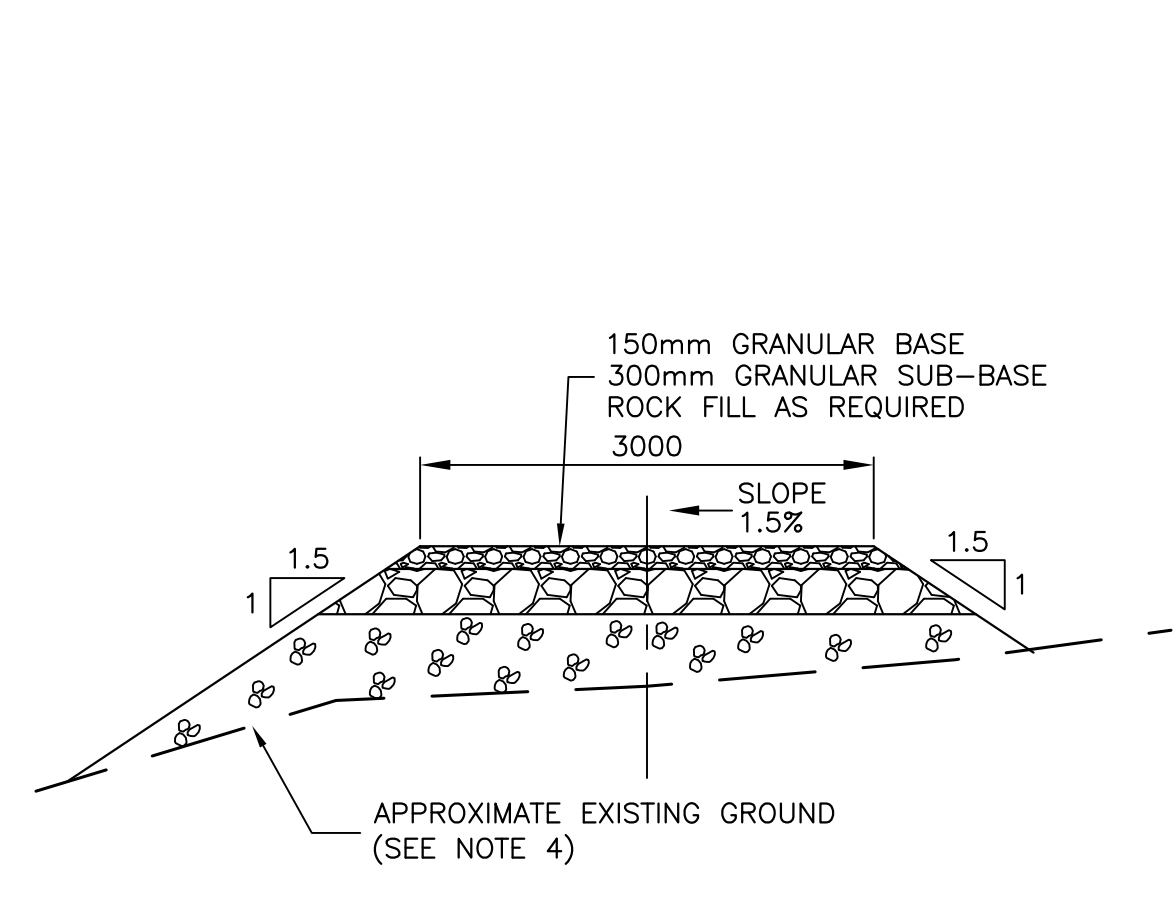
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approved		approuvé
date		
Tender	Paul Curran	Submission
DFO Project Manager	Administrateur de projets MPO	
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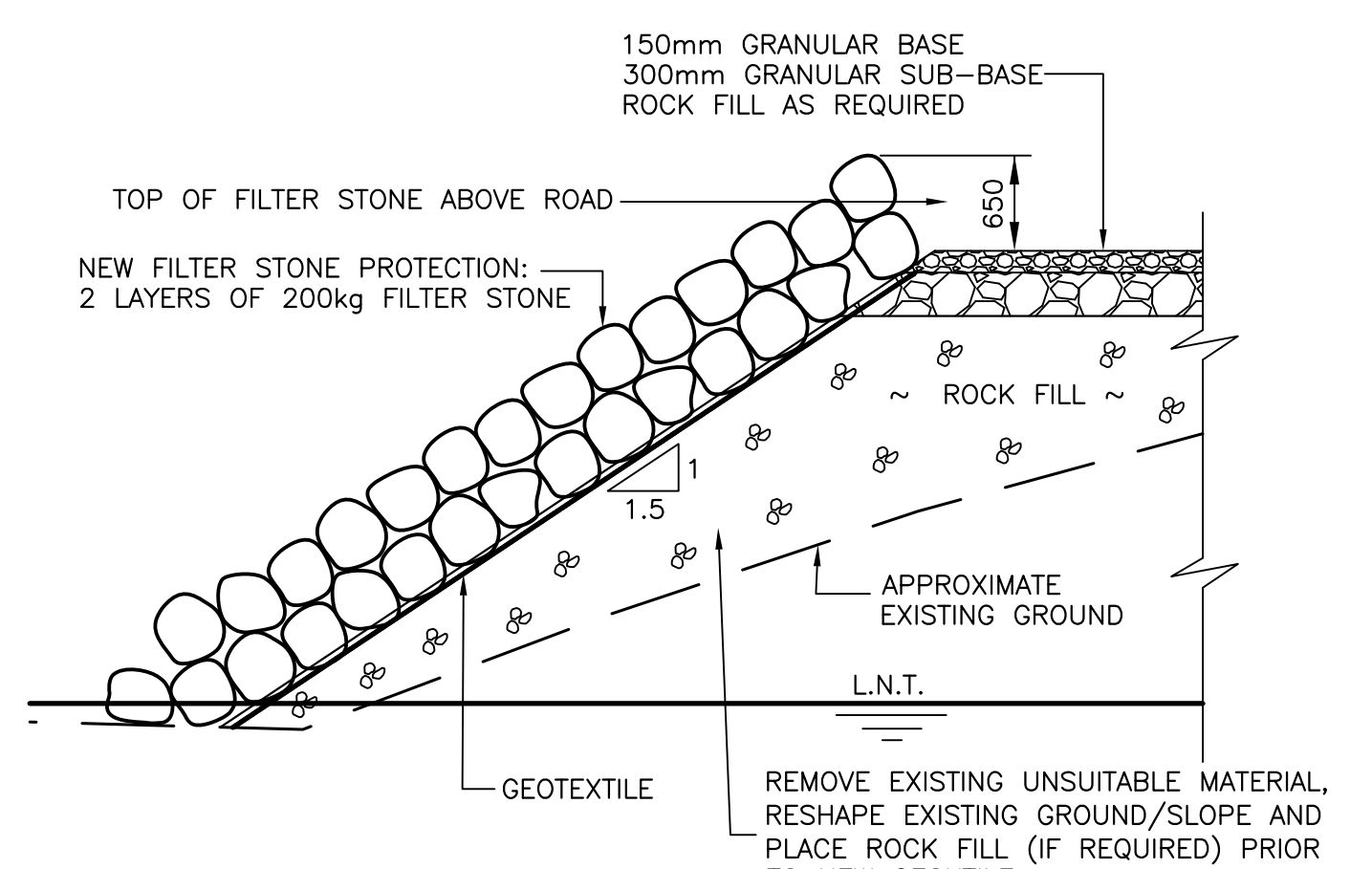
1 CENTERLINE PROFILE - NEW ACCESS ROAD
 SCALE: 1:50



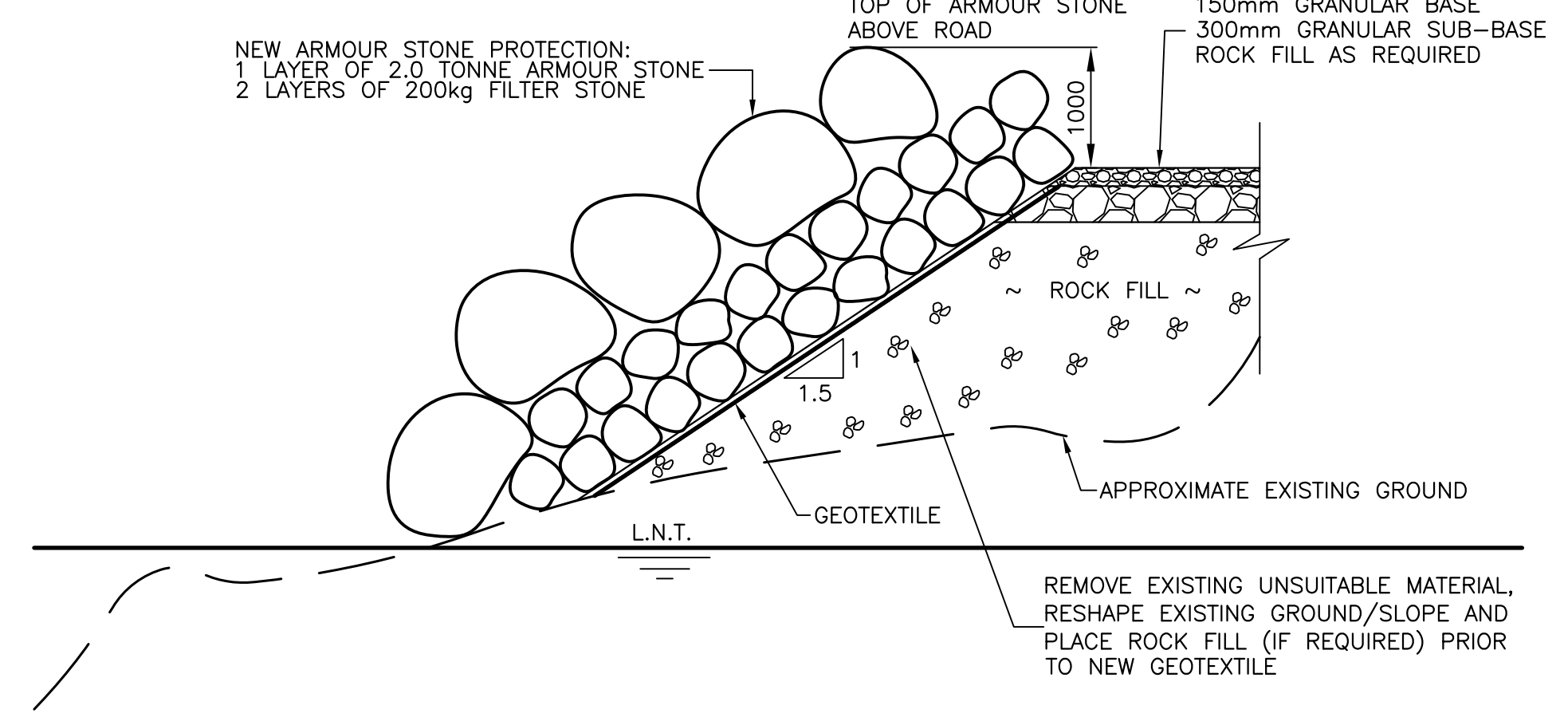
2 TYPICAL ROAD SECTION (STA. 0+030 - 0+066)
 SCALE: 1:50



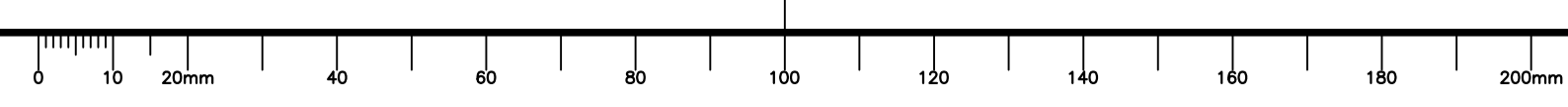
3 TYPICAL ROAD SECTION (STA. 0+000 - 0+030)
 SCALE: 1:50



4 TYPICAL FILTER STONE PROTECTION SECTION
 SCALE: 1:50



5 TYPICAL ARMOUR STONE PROTECTION SECTION
 SCALE: 1:50

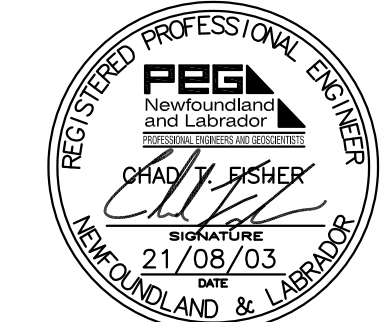


SMALL CRAFT HARBOURS

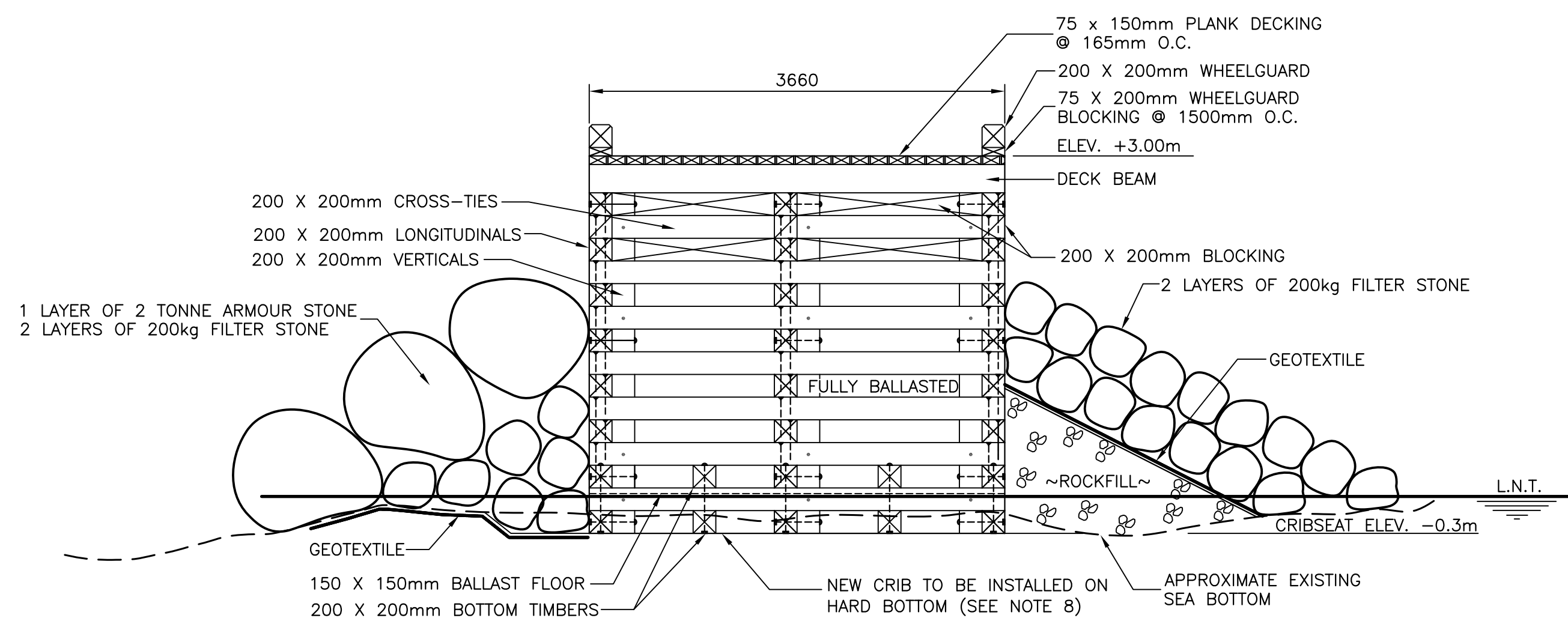


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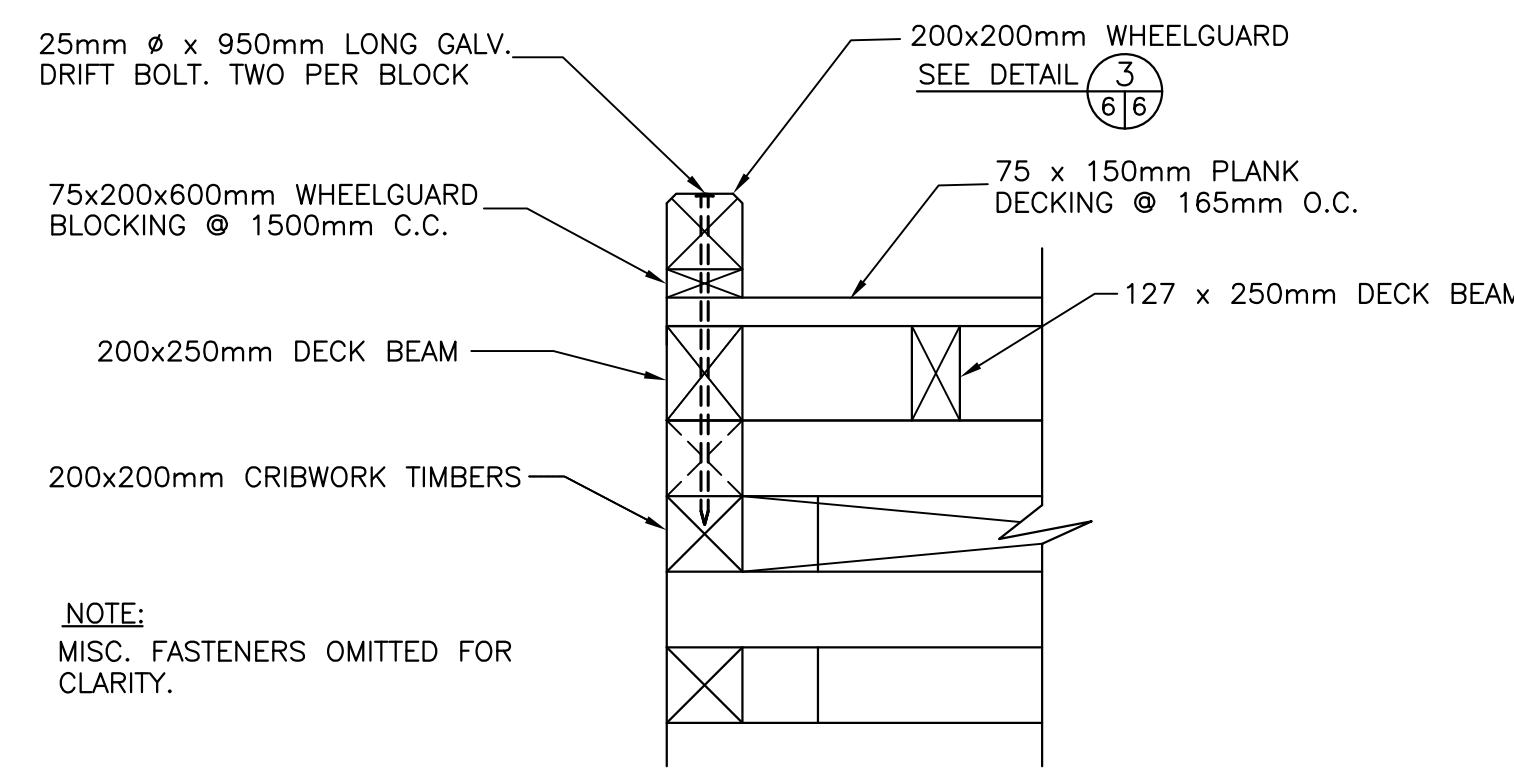
- ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- DO NOT SCALE FROM DRAWING, USE DIMENSIONS SHOWN.
- ALL MACHINE BOLTS TO BE 19mm Ø (GALV.), UNLESS OTHERWISE NOTED.
- ALL DRIFT BOLTS TO BE 19mm Ø (GALV.), UNLESS OTHERWISE NOTED.
- GALVANIZING TO CONFORM TO ASTM A123/A123M-09.
- ASPHALTIC FABRIC TO BE PLACED ALONG TOP OF ALL BEAMS, FULL LENGTH, AND EXTENDED DOWN OVER A MINIMUM OF 100mm EACH EDGE.
- CONTRACTOR TO EXCAVATE TO ELEVATION -0.30m TO PROVIDE A LEVEL SURFACE AND PLACE CRIBS. IN AREAS WHERE SOFT SPOTS ARE ENCOUNTERED, THE CONTRACTOR SHALL REMOVE UNSUITABLE MATERIAL AND REPLACE WITH SUITABLE ROCK FILL MATERIAL TO ELEVATION -0.30m. IF BEDROCK IS ABOVE -0.30m, EXCAVATE AND REMOVE ROCK TO ESTABLISH A FLAT SURFACE. CONTRACTOR TO ENSURE FULL AND CONTINUOUS SUPPORT IS PROVIDED BY SCRIBING THE UNDERSIDE OF THE CRIB TO APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR SHALL EXCAVATE AND DREDGE IN SUCH A MANNER AS TO ENSURE STABILITY OF THE SIDE SLOPES.
- RELIABLE AND AVAILABLE INFORMATION REGARDING THE HARD BOTTOM LOCATION IS LIMITED. CONTRACTOR TO BARE COSTS FOR ASSOCIATED RISKS ACCORDINGLY.
- CONTRACTOR TO USE CAUTION WHEN EXCAVATING IN THE UPLANDS AREA FOR ANY UNDERGROUND UTILITIES OR SERVICES NOT IDENTIFIED ON THE DRAWINGS. ANY SERVICE ENCOUNTERED SHALL BE PROPERLY REROUTED OR TERMINATED TO APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE, UTILITY COMPANIES AND MUNICIPAL REGULATIONS. CONTRACTOR SHALL CARRY NECESSARY COSTS IN DEMOLITION AND REMOVAL WORK.
- ADDITIONAL CRIBWORK REQUIRED DUE TO OVER EXCAVATION WILL BE AT THE CONTRACTORS EXPENSE.
- ALL TIMBER TO BE TREATED TO CSA 080, LATEST EDITION, UNLESS OTHERWISE NOTED.



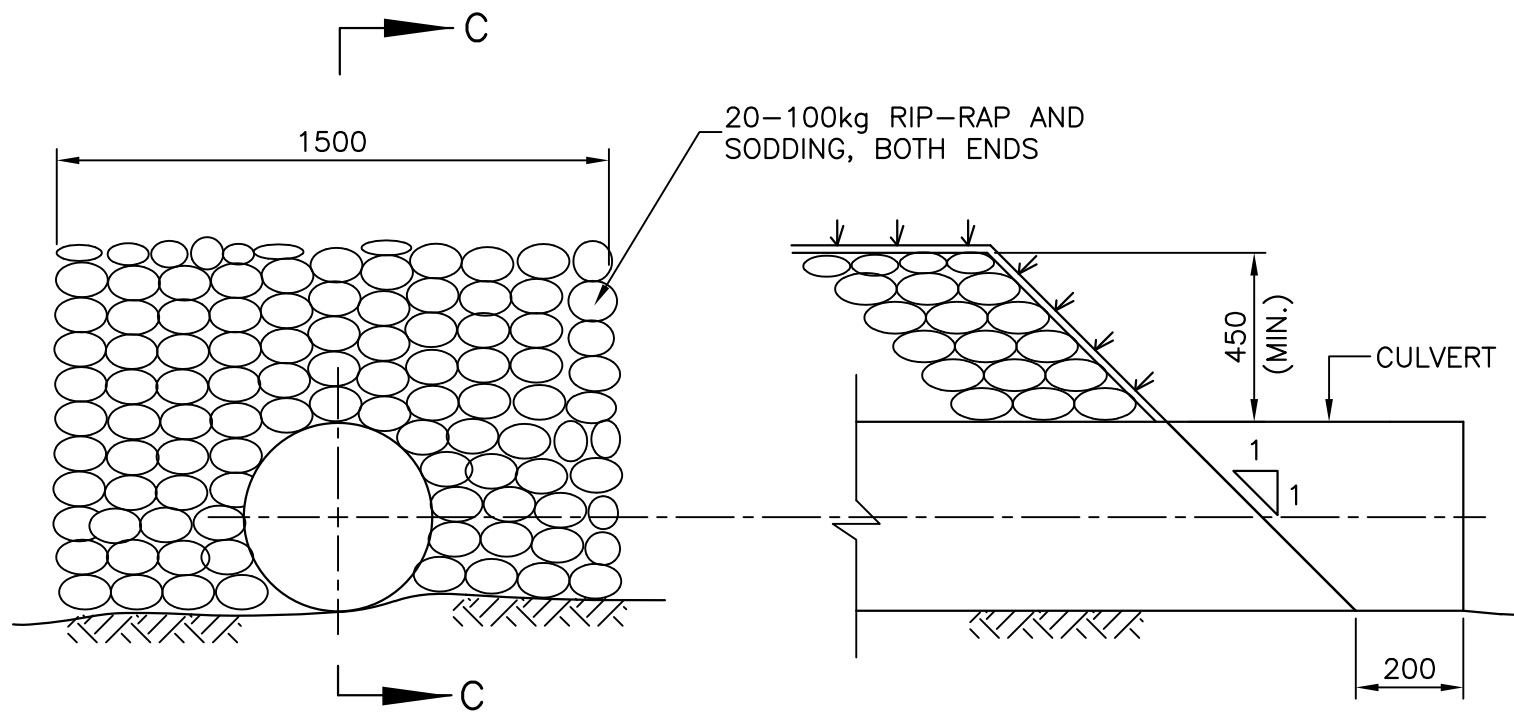
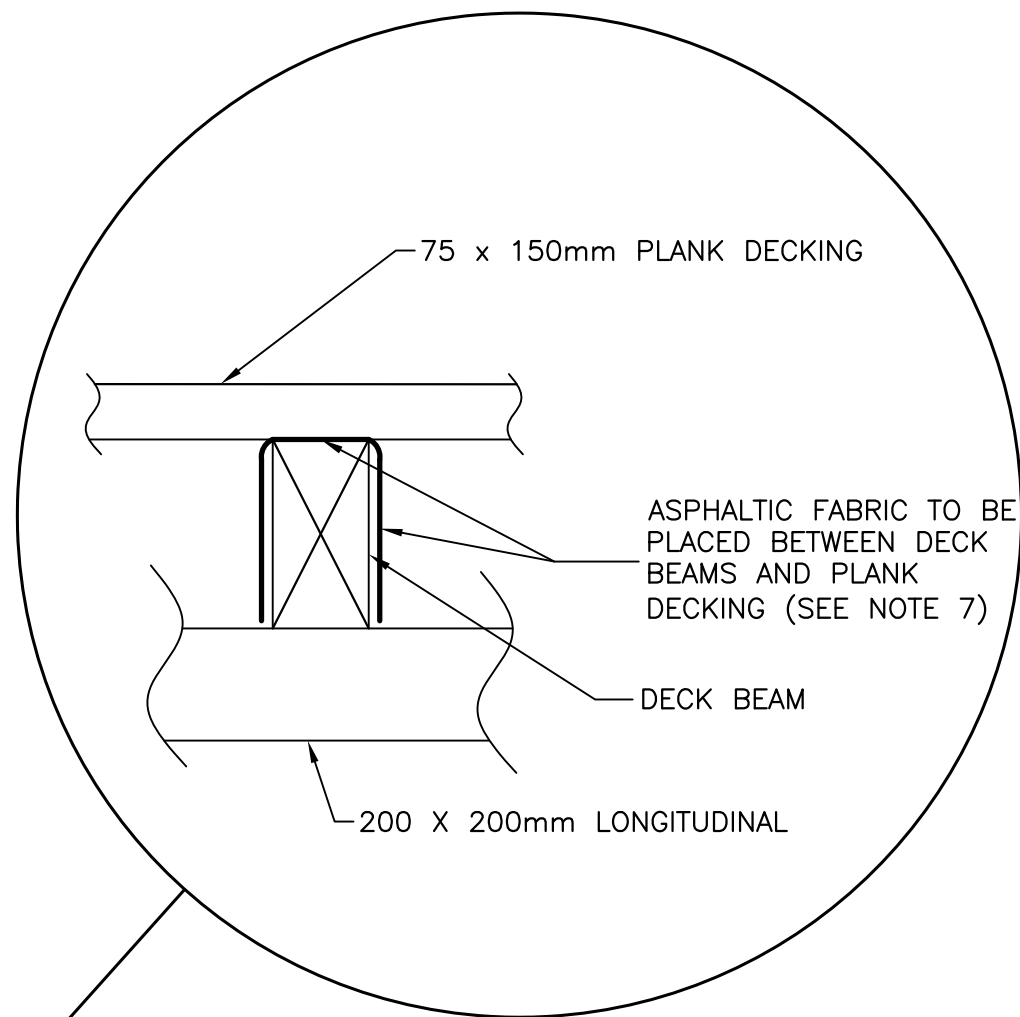
PROVINCE OF NEWFOUNDLAND AND LABRADOR
 PERMIT HOLDER
 This Permit Allows
Meridian Engineering Inc.
 Member No. 04378
 To provide Professional Engineering in Newfoundland and Labrador.
 Permit No. as issued by PEG No. 151
 which is valid for the year 2021.



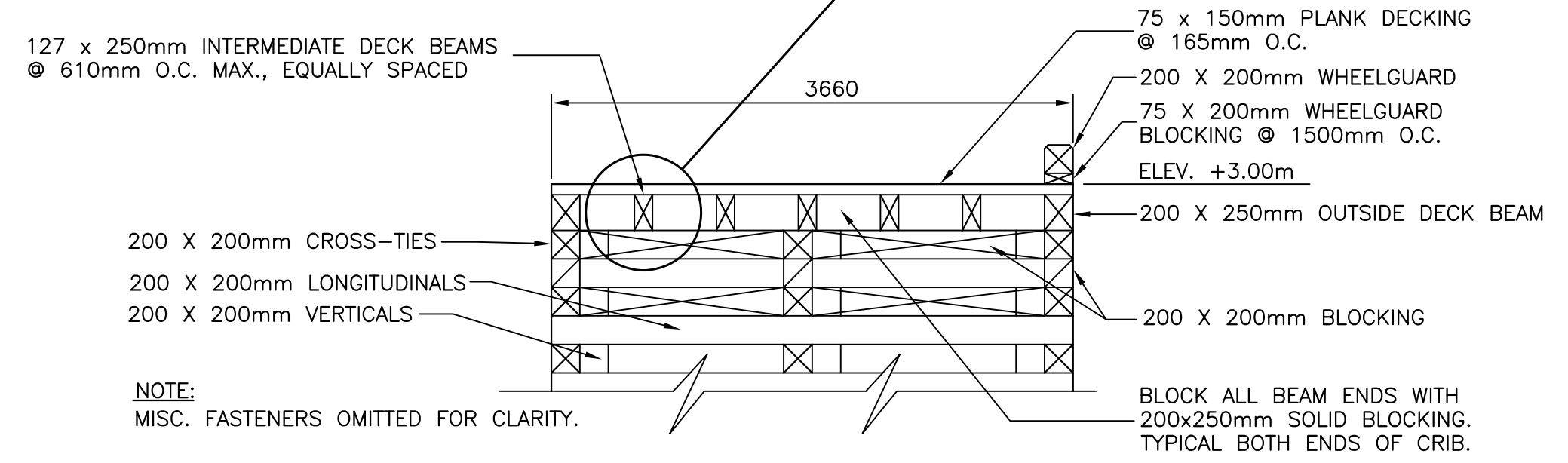
1 CRIB SECTION
 SCALE: 1:40
 0mm 1mm 2mm 3mm 4mm 5mm



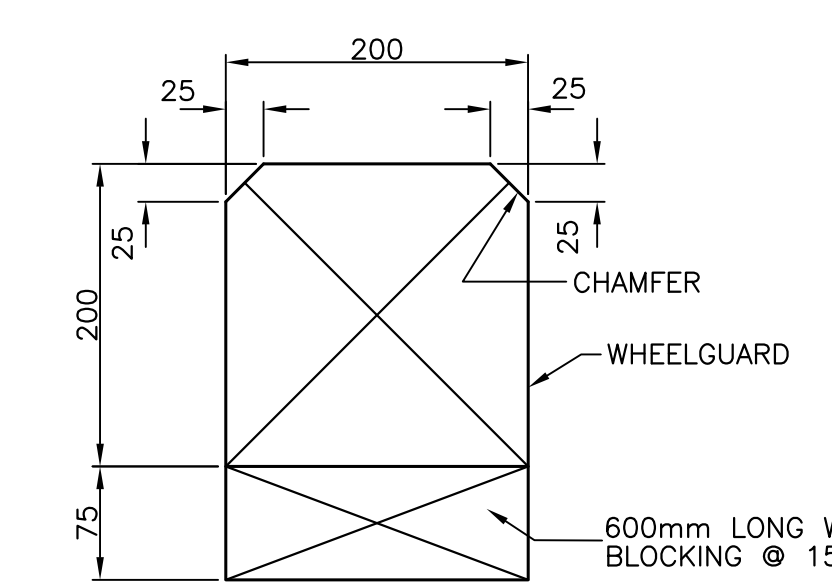
4 WHEELGUARD CONNECTION DETAIL
 SCALE: 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm



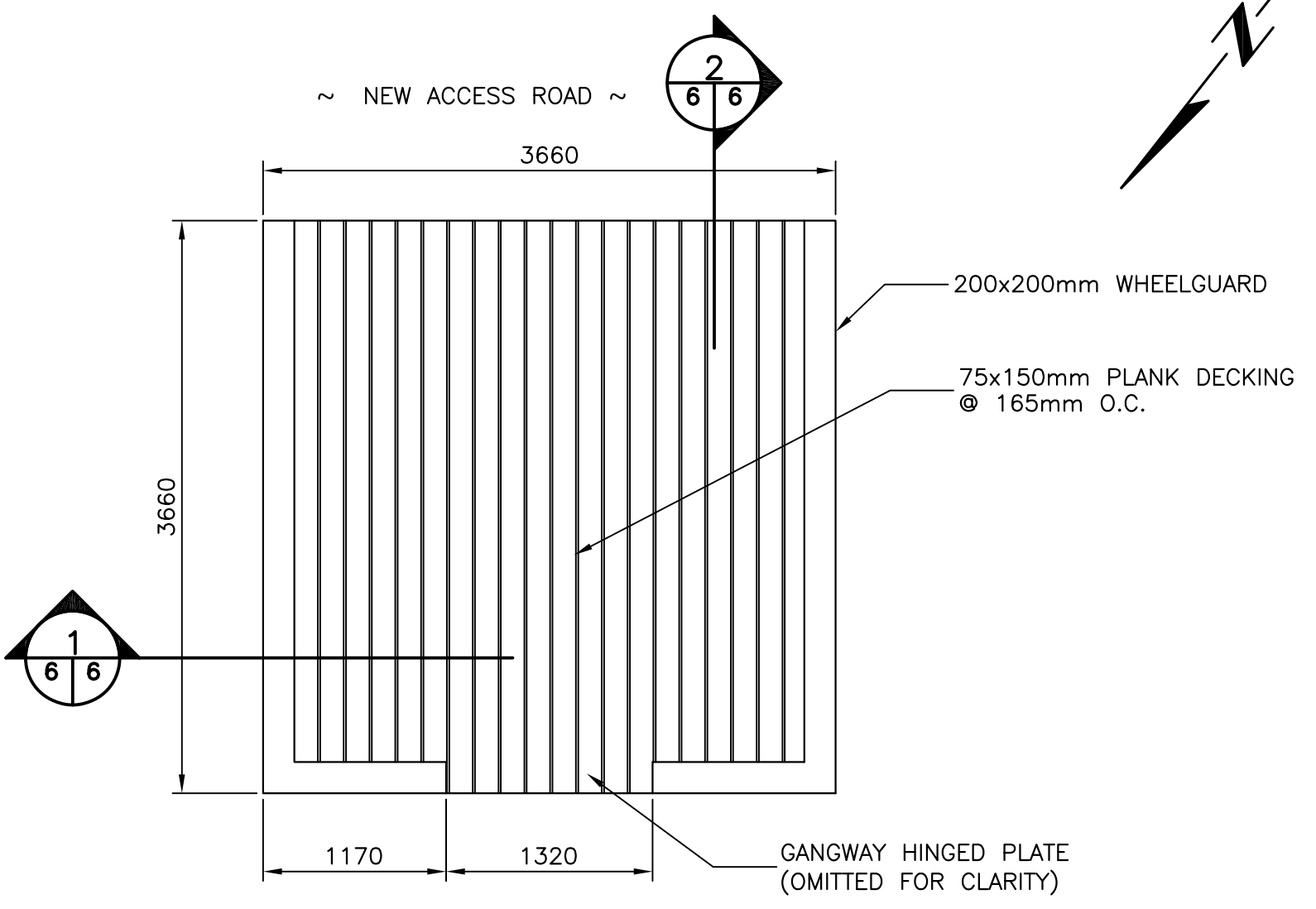
5 TYPICAL CULVERT RIP-RAP DETAIL
 SCALE: N.T.S.



2 PARTIAL CRIB SECTION
 SCALE: 1:40
 0mm 1mm 2mm 3mm 4mm 5mm



3 WHEELGUARD SECTION
 SCALE: 1:5
 0mm 100mm 200mm 300mm 400mm 500mm

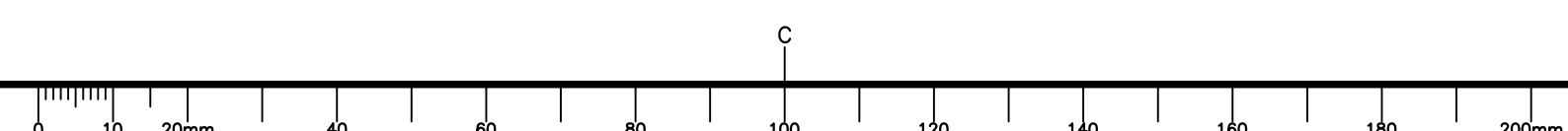


6 CRIB PLAN VIEW
 SCALE: 1:40
 0mm 1mm 2mm 3mm 4mm 5mm

WESLEYVILLE (BROOKFIELD) FLOATING DOCK RECONSTRUCTION

SECTIONS AND DETAILS

designed	C. FISHER	concu
date	JUNE, 2021	
drawn	R. SNOW	dessine
date	JUNE, 2021	
approved		approuvé
date		
Tender	Paul Snow	Soumission
DFO Project Manager	Administrateur de projets MPD	
project number	C2-00084	no. du projet
drawing no.	C6 OF 10	no. du dessin

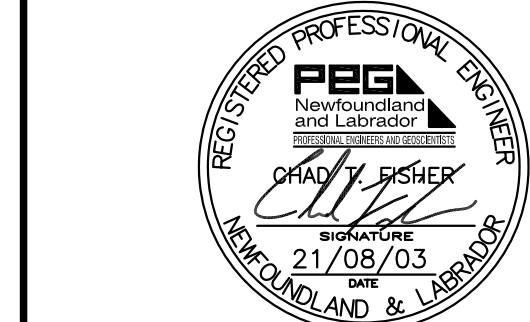


SMALL CRAFT HARBOURS



GENERAL NOTES:

- REFER TO GENERAL NOTES ON SHEET C10 CONCERNING THE FLOATING DOCKS.



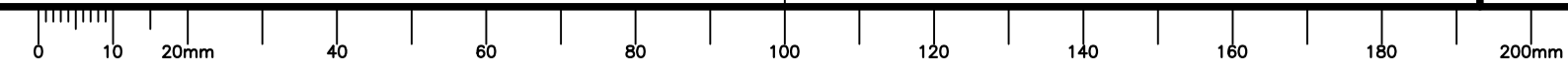
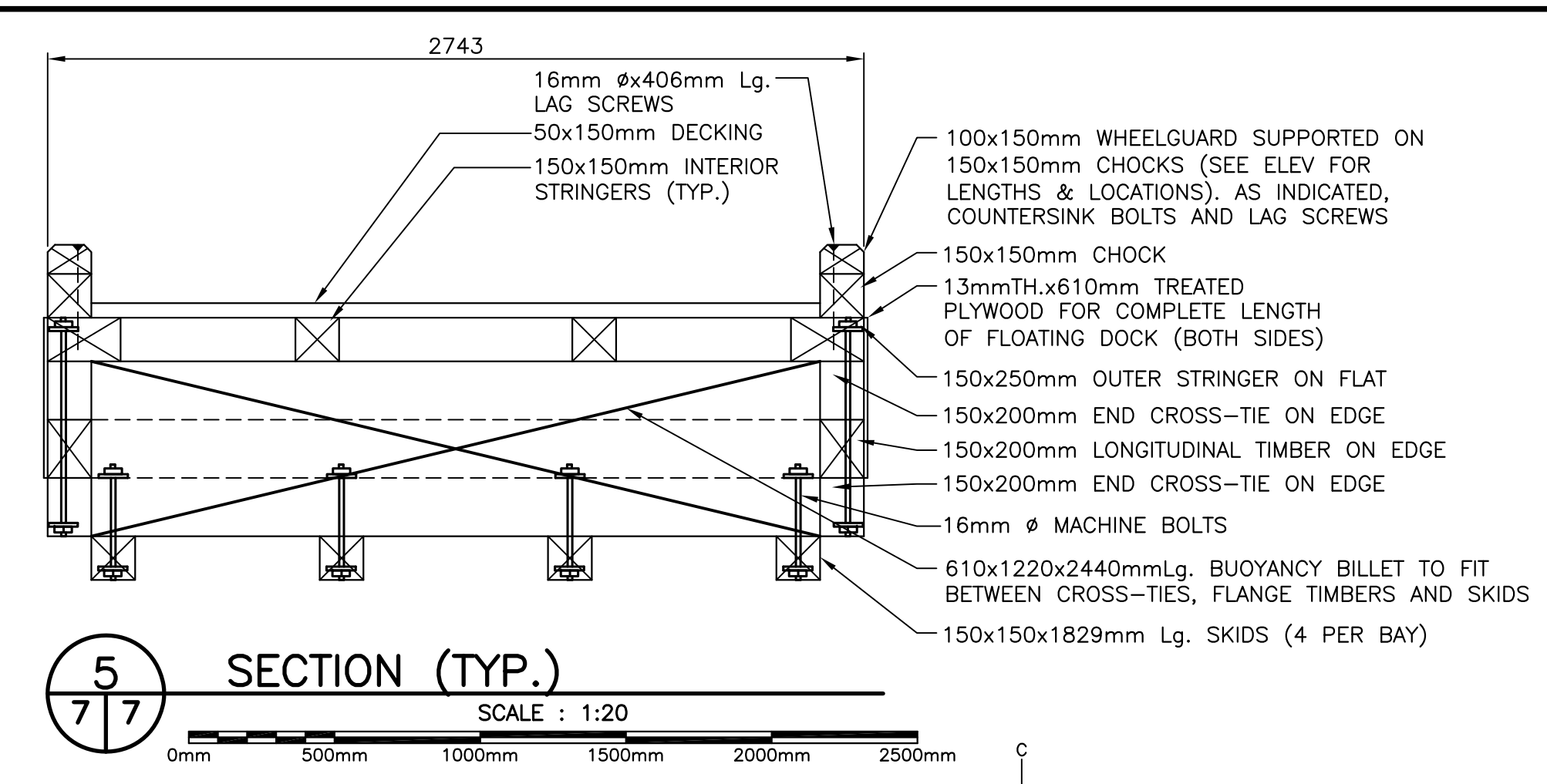
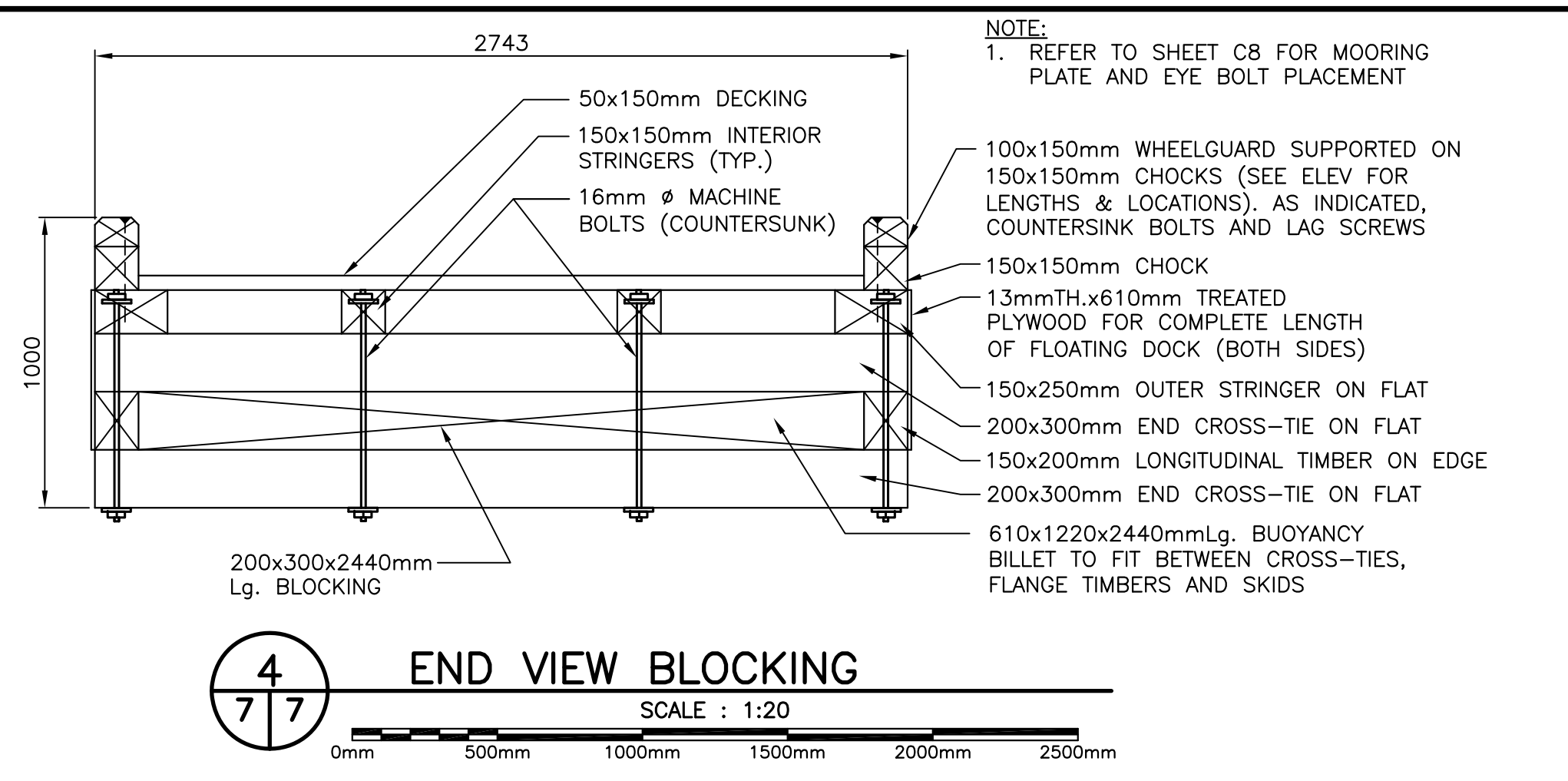
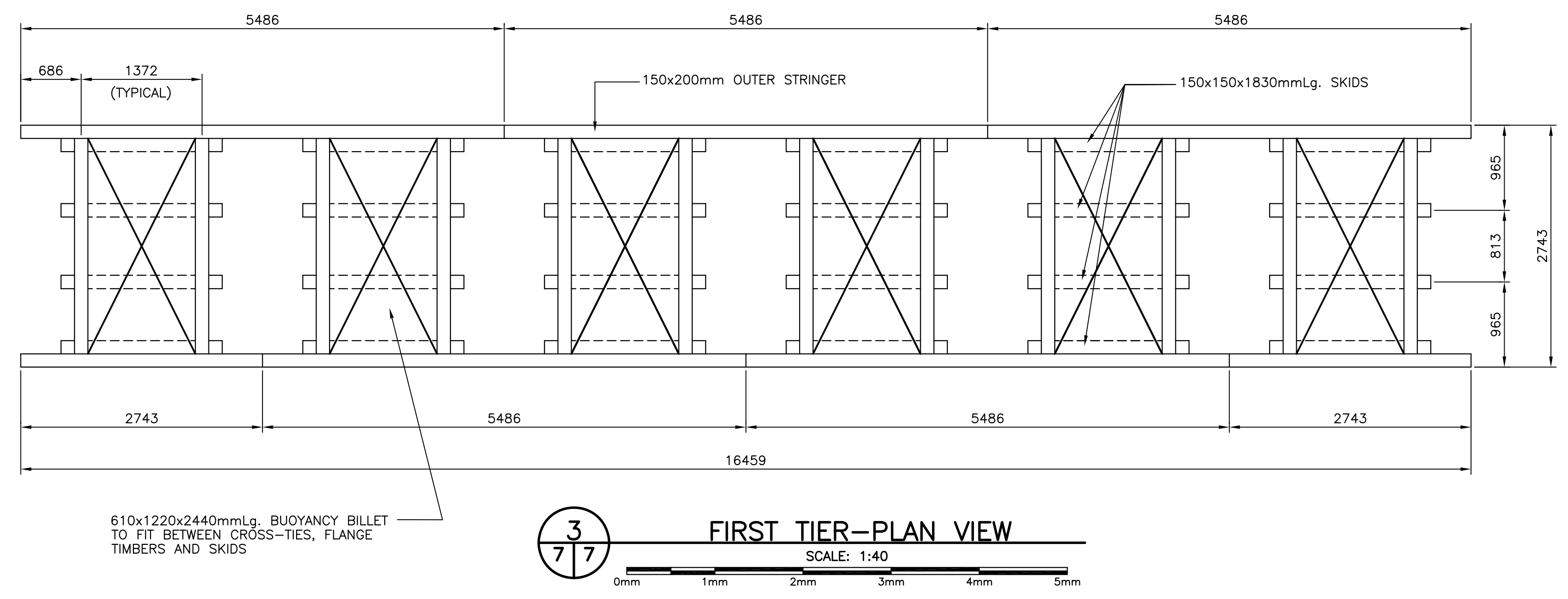
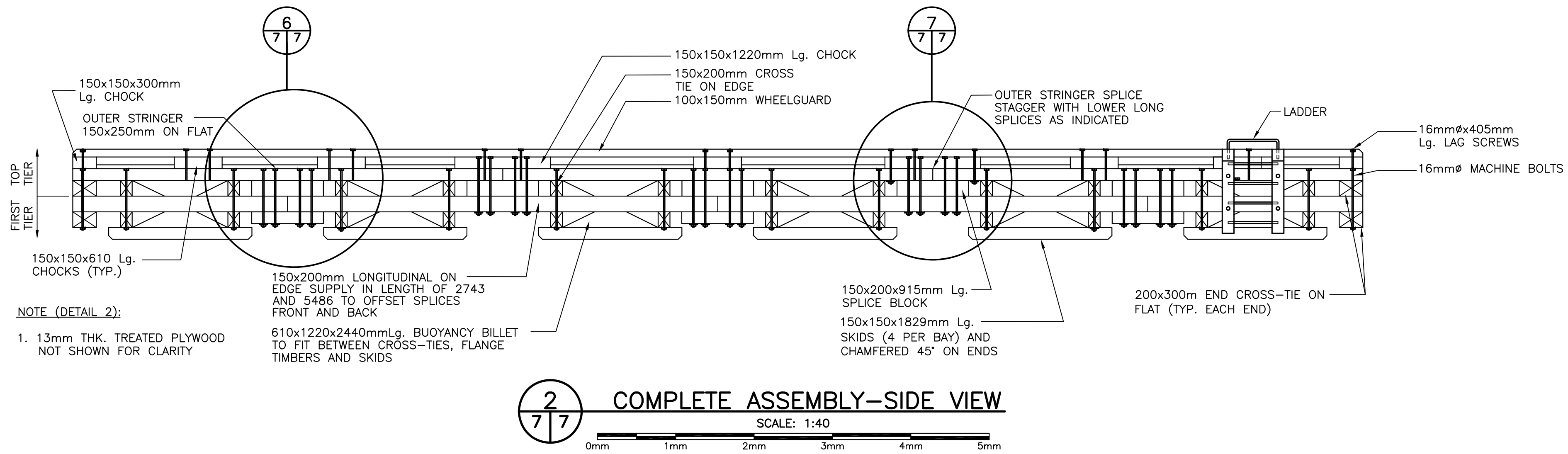
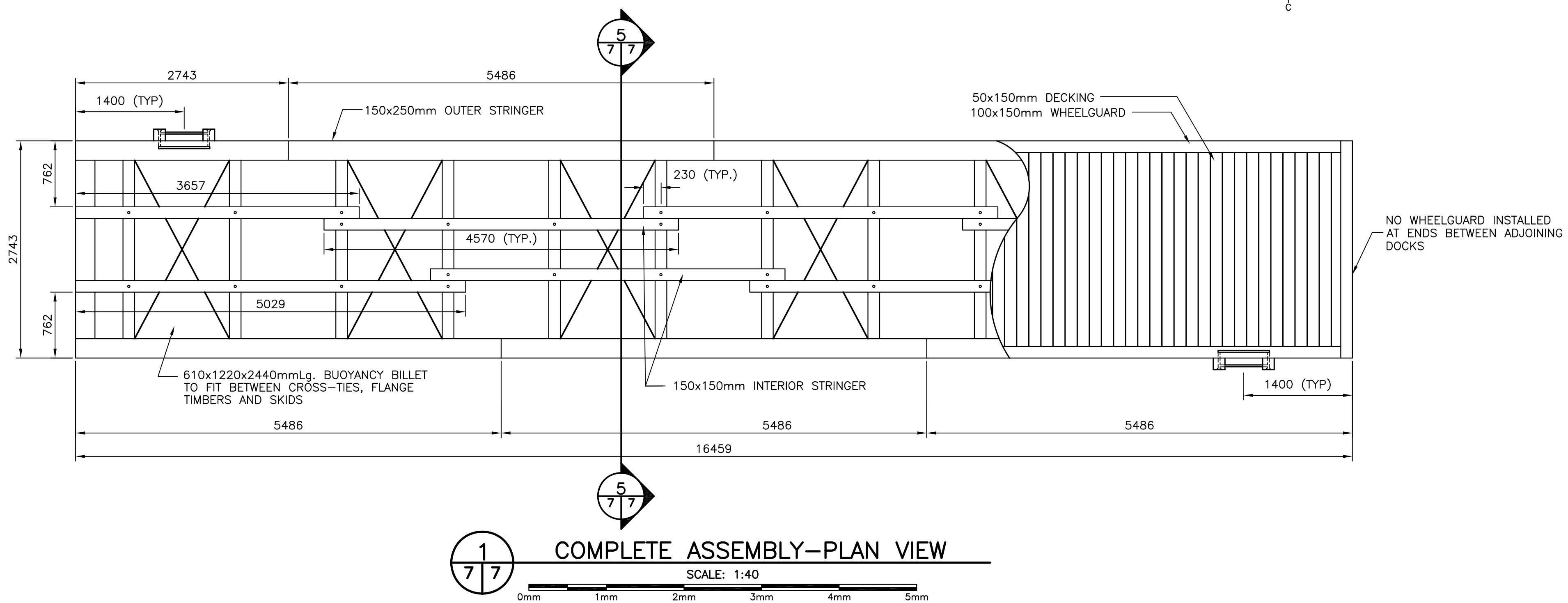
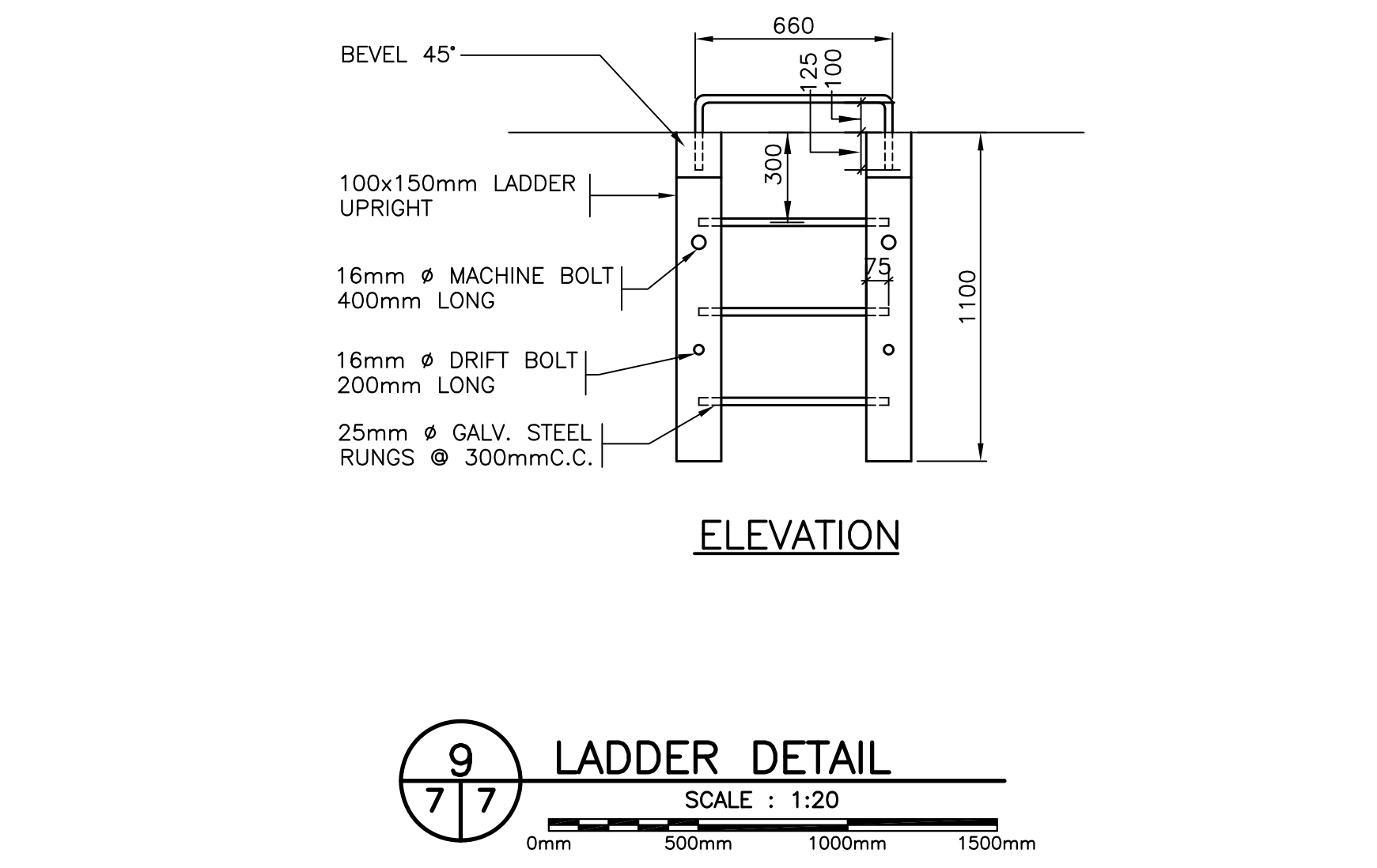
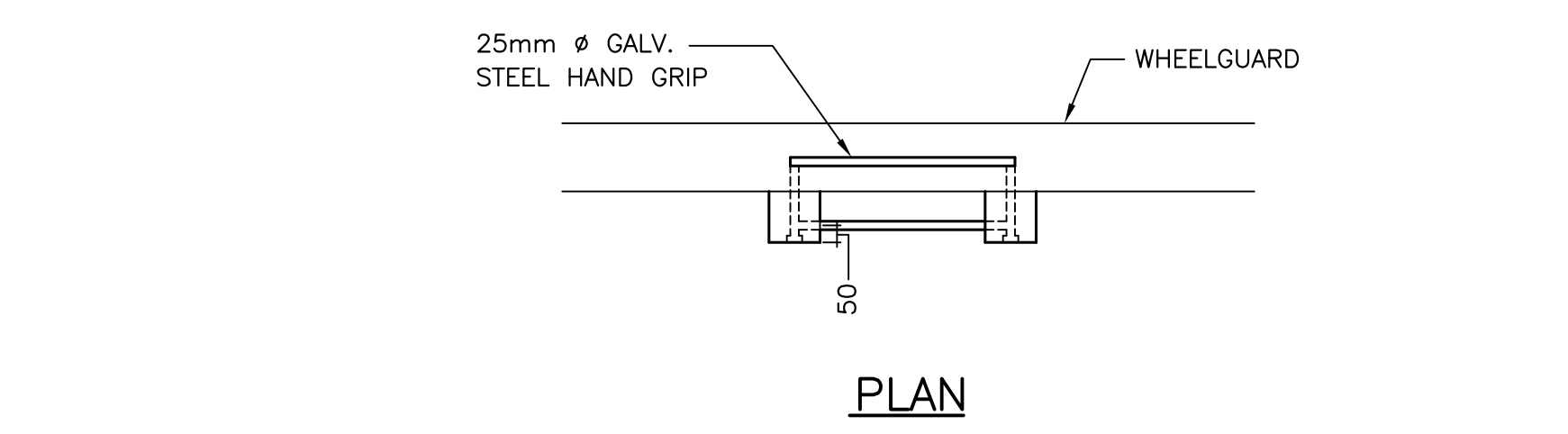
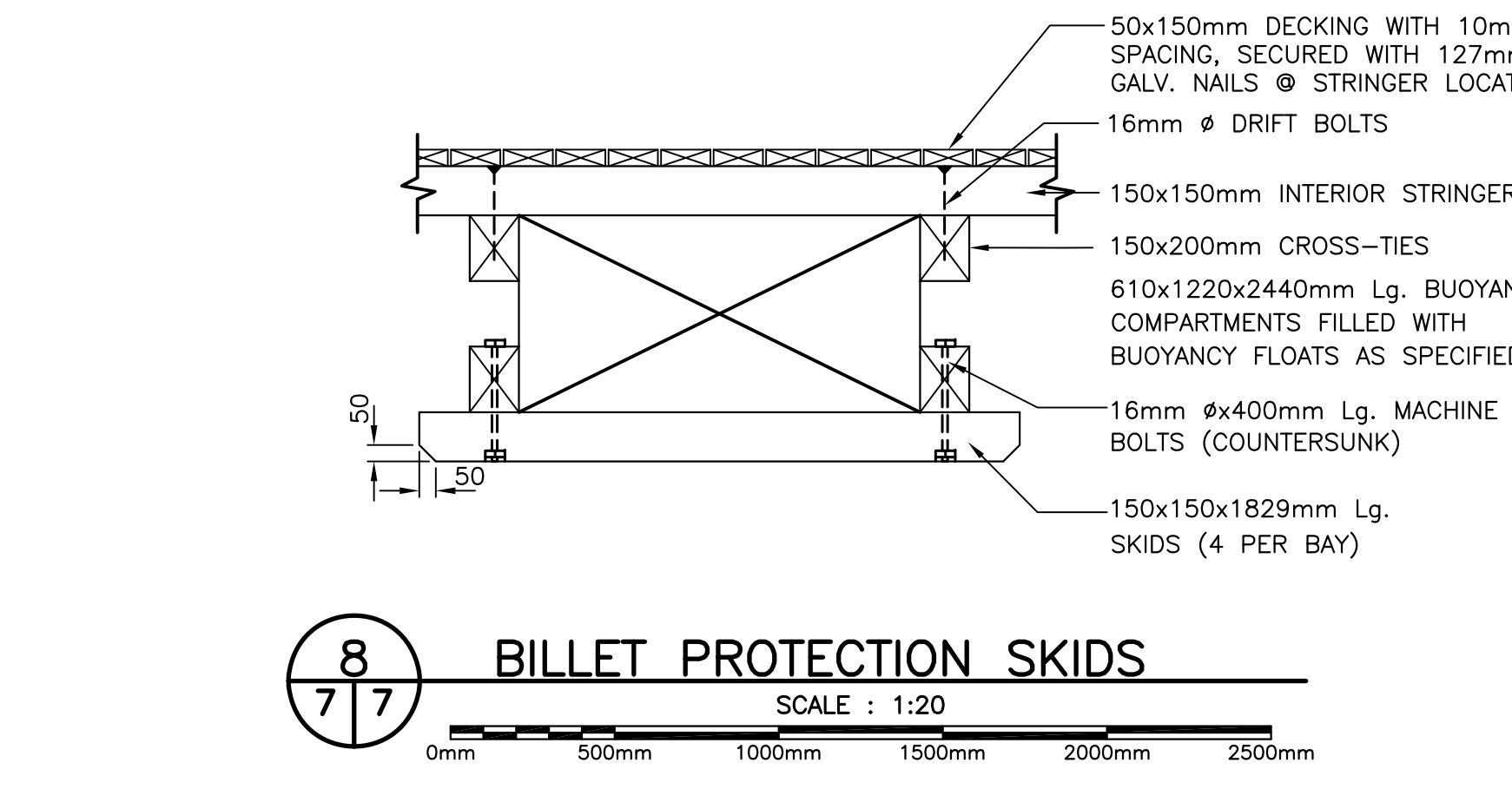
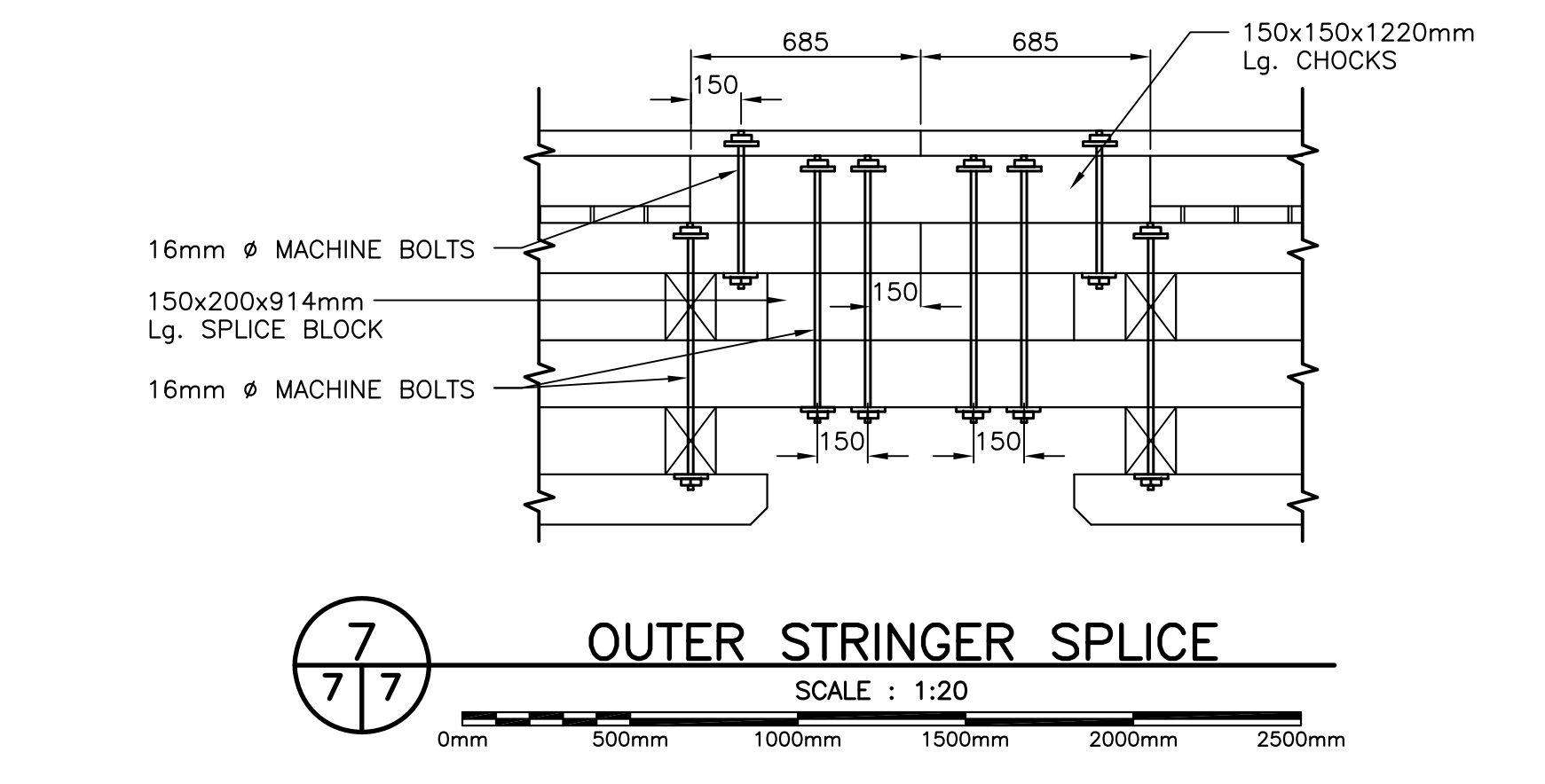
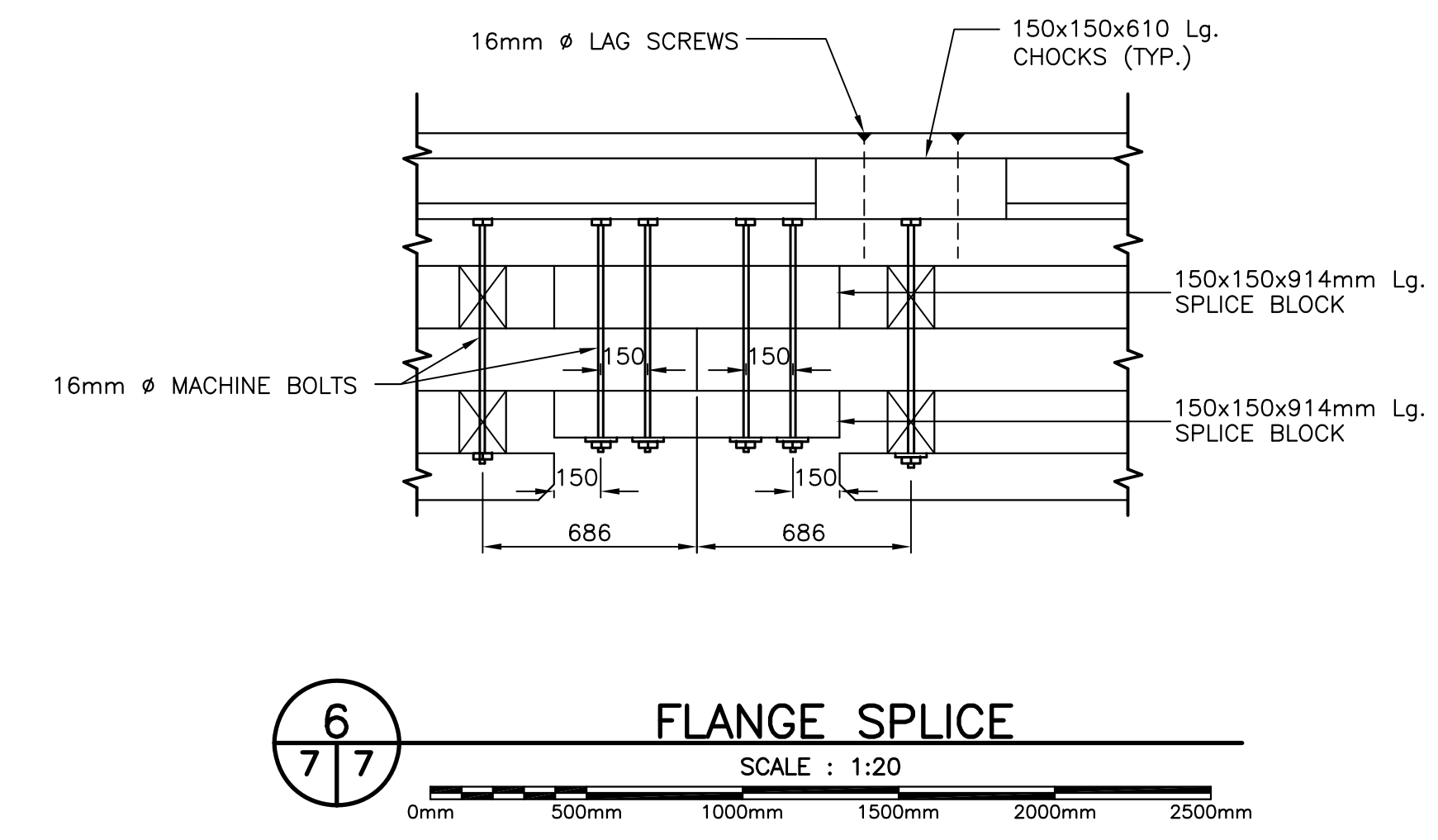
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
 This Permit Allows
Meridian Engineering Inc.
 Member No. 04378
 In practice Professional Engineering
 in Newfoundland and Labrador
 Permit No. as issued by PEG-201153
 which is valid for the year 2021.

C	ISSUED FOR TENDER	21/06/03
B	ISSUED FOR 99% REVIEW	21/07/20
A	ISSUED FOR 66% REVIEW	21/07/09
revisions		date
project		project

**WESLEYVILLE (BROOKFIELD)
 FLOATING DOCK
 RECONSTRUCTION**

**PLANS, ELEVATIONS
 AND DETAILS
 - FLOATING DOCKS**

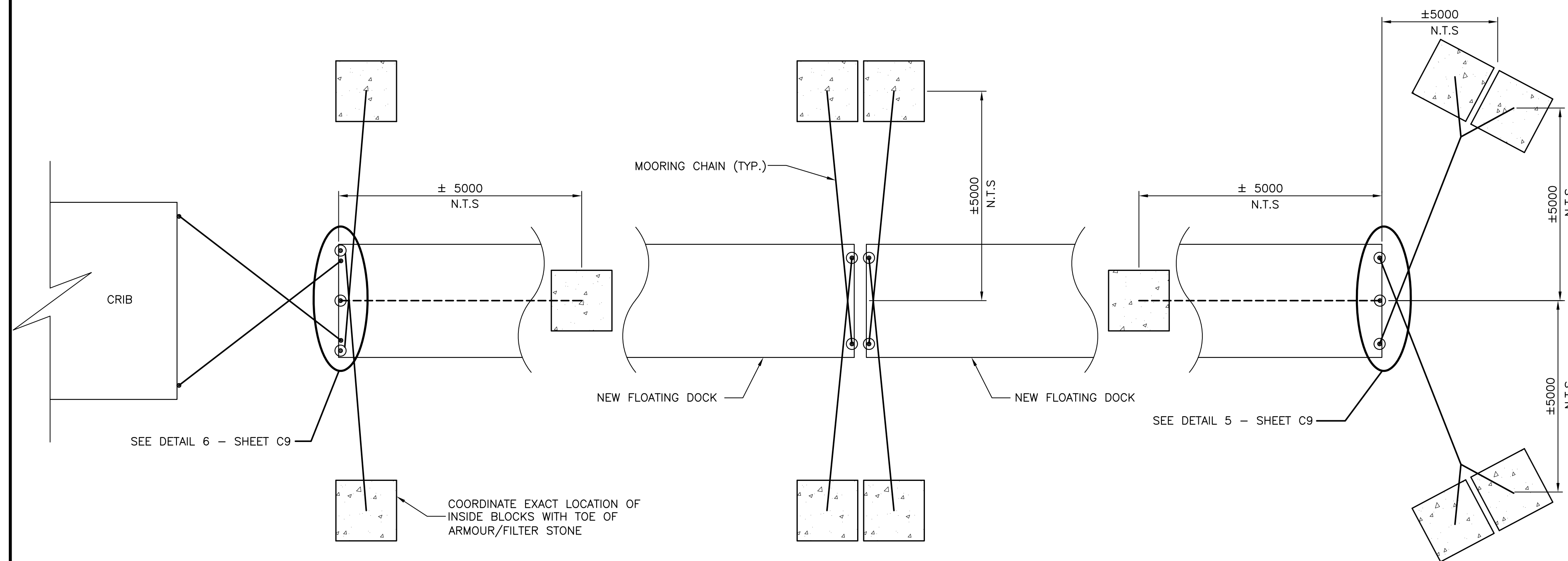
designed	C. FISHER	concu
date	JUNE, 2021	
drawn	R. SNOW	dessine
date	JUNE, 2021	
approved		approuvé
date		
Tender	Paul Curran	Submission
DFO Project Manager	Administrateur de projets MPO	
project number		no. du projet
	C2-00084	
drawing no.		no. du dessin
	C7 OF 10	



SMALL CRAFT HARBOURS



GENERAL NOTES:
1. REFER TO GENERAL NOTES ON SHEET C10 CONCERNING THE FLOATING DOCKS.



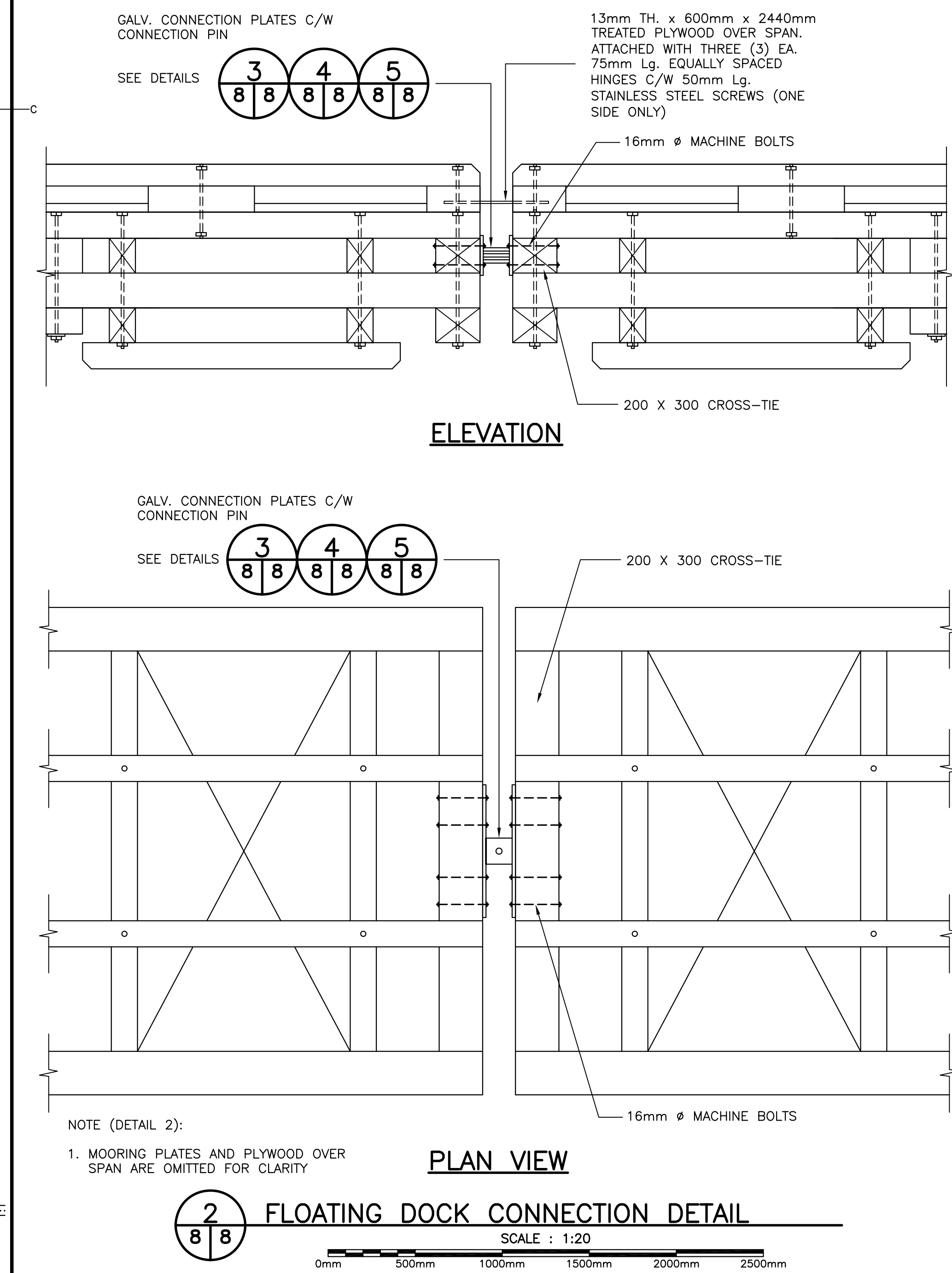
LEGEND (DETAIL 1):

- NEW ANCHOR BLOCKS - 12 REQUIRED (SEE DETAILS SHEET C9)
- DENOTES EYE BOLT LOCATIONS
- DENOTES MOORING PLATE LOCATIONS

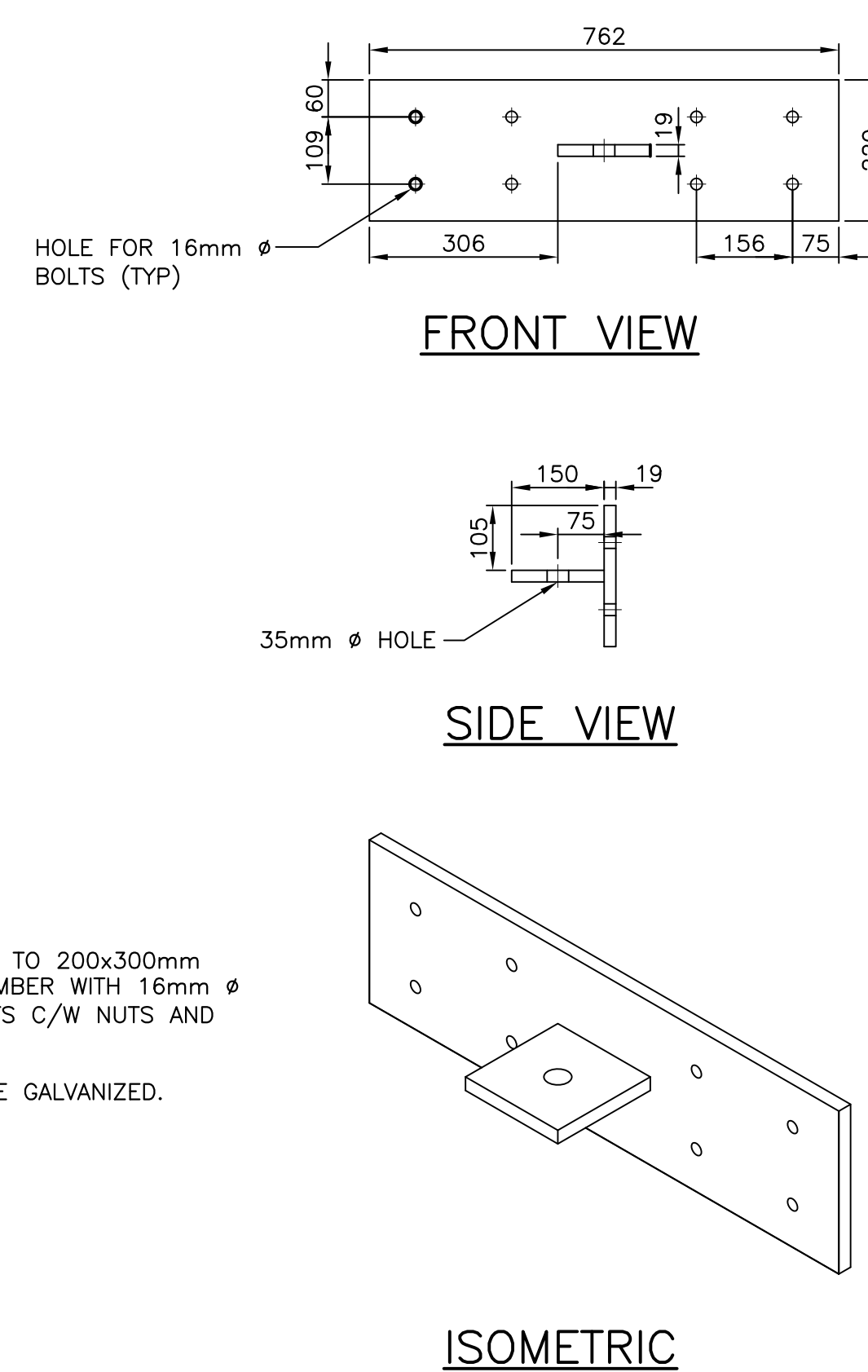
NOTES (DETAIL 1):

1. GANGWAY OMITTED FOR CLARITY.
2. CONFIRM ACTUAL LOCATIONS IN THE FIELD WITH THE DEPARTMENTAL REPRESENTATIVE AND MAKE ANY FIELD ADJUSTMENTS AS NECESSARY.

1 ANCHOR ARRANGEMENT PLAN - DOUBLE DOCK
SCALE : N.T.S.



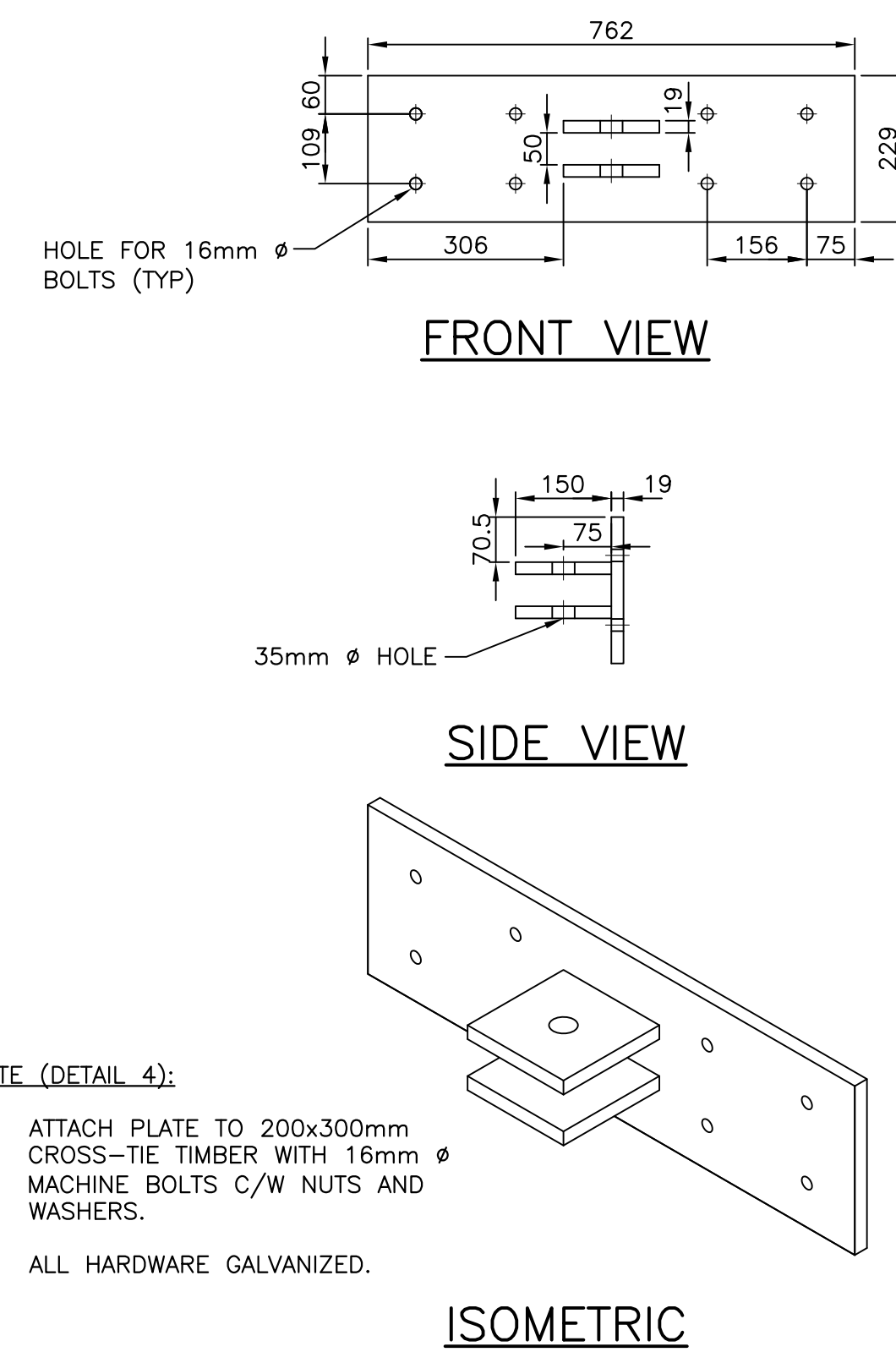
2 FLOATING DOCK CONNECTION DETAIL
SCALE : 1:20



NOTE (DETAIL 3):

1. ATTACH PLATE TO 200x300mm CROSS-TIE TIMBER WITH 16mm diameter MACHINE BOLTS C/W NUTS AND WASHERS.
2. ALL HARDWARE GALVANIZED.

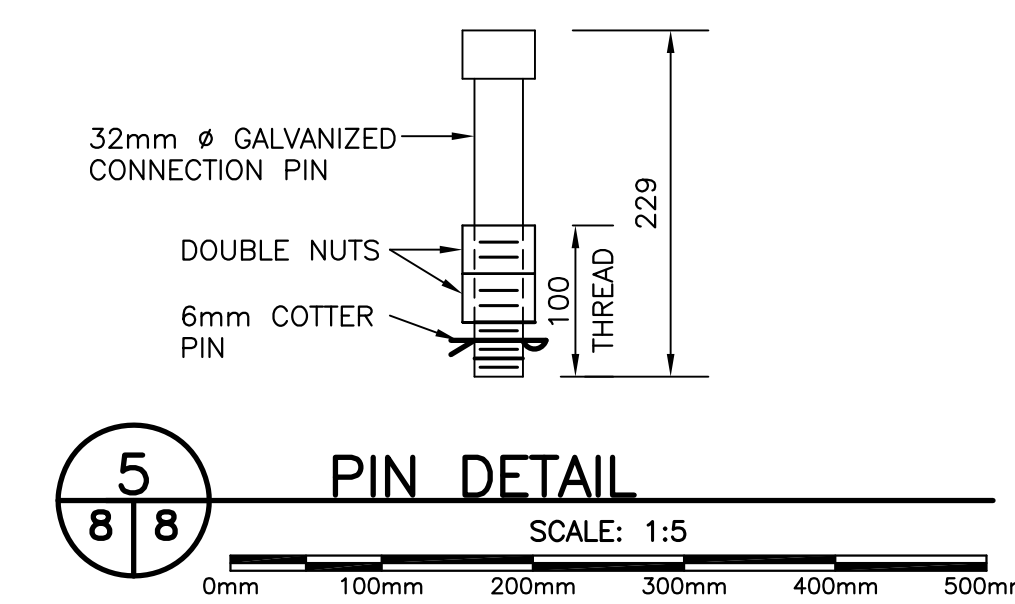
3 STEEL PLATE DETAIL 1
SCALE : 1:10



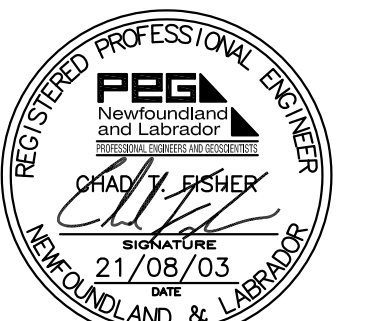
NOTE (DETAIL 4):

1. ATTACH PLATE TO 200x300mm CROSS-TIE TIMBER WITH 16mm diameter MACHINE BOLTS C/W NUTS AND WASHERS.
2. ALL HARDWARE GALVANIZED.

4 STEEL PLATE DETAIL 2
SCALE : 1:10



5 PIN DETAIL
SCALE : 1:5



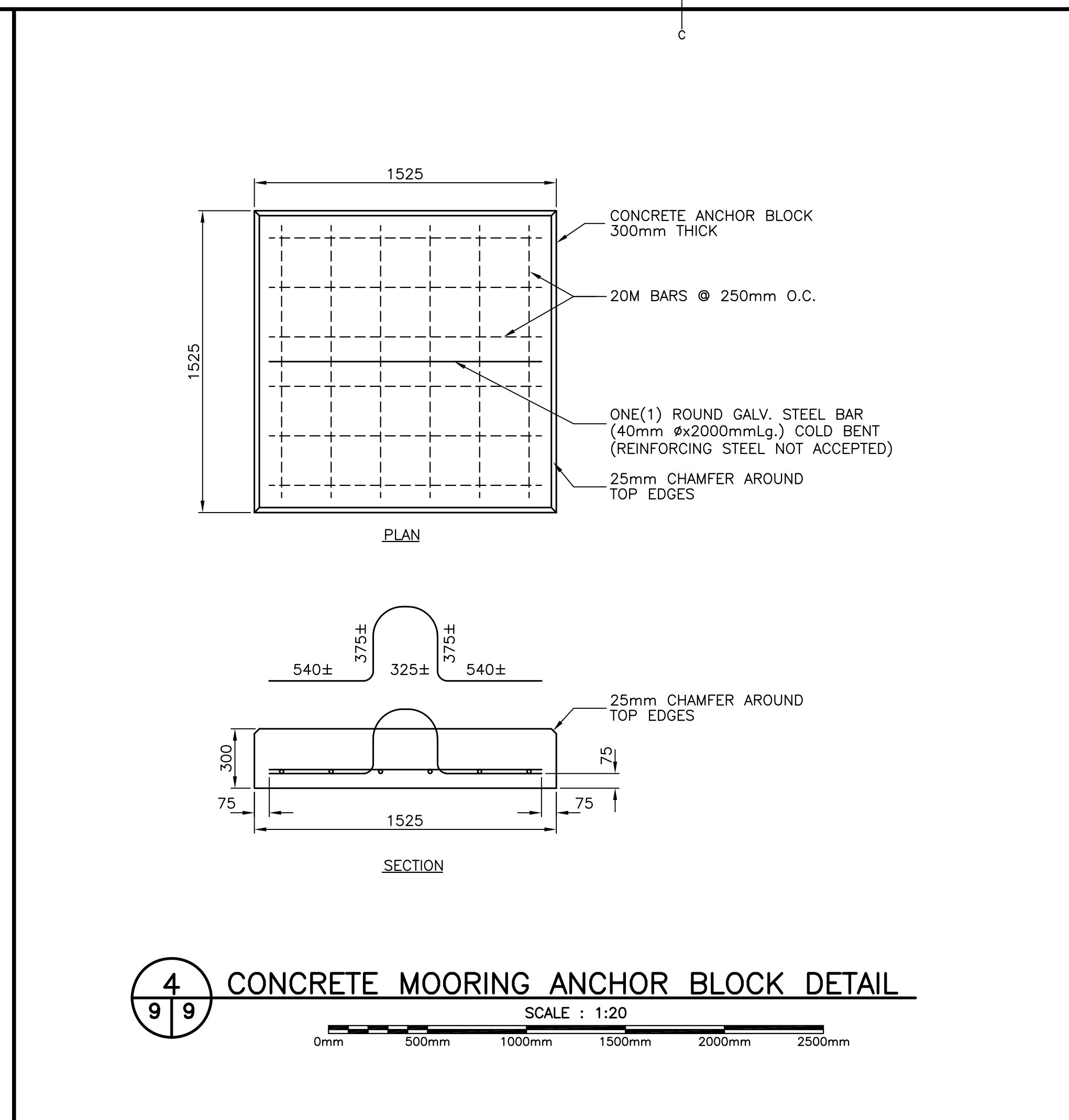
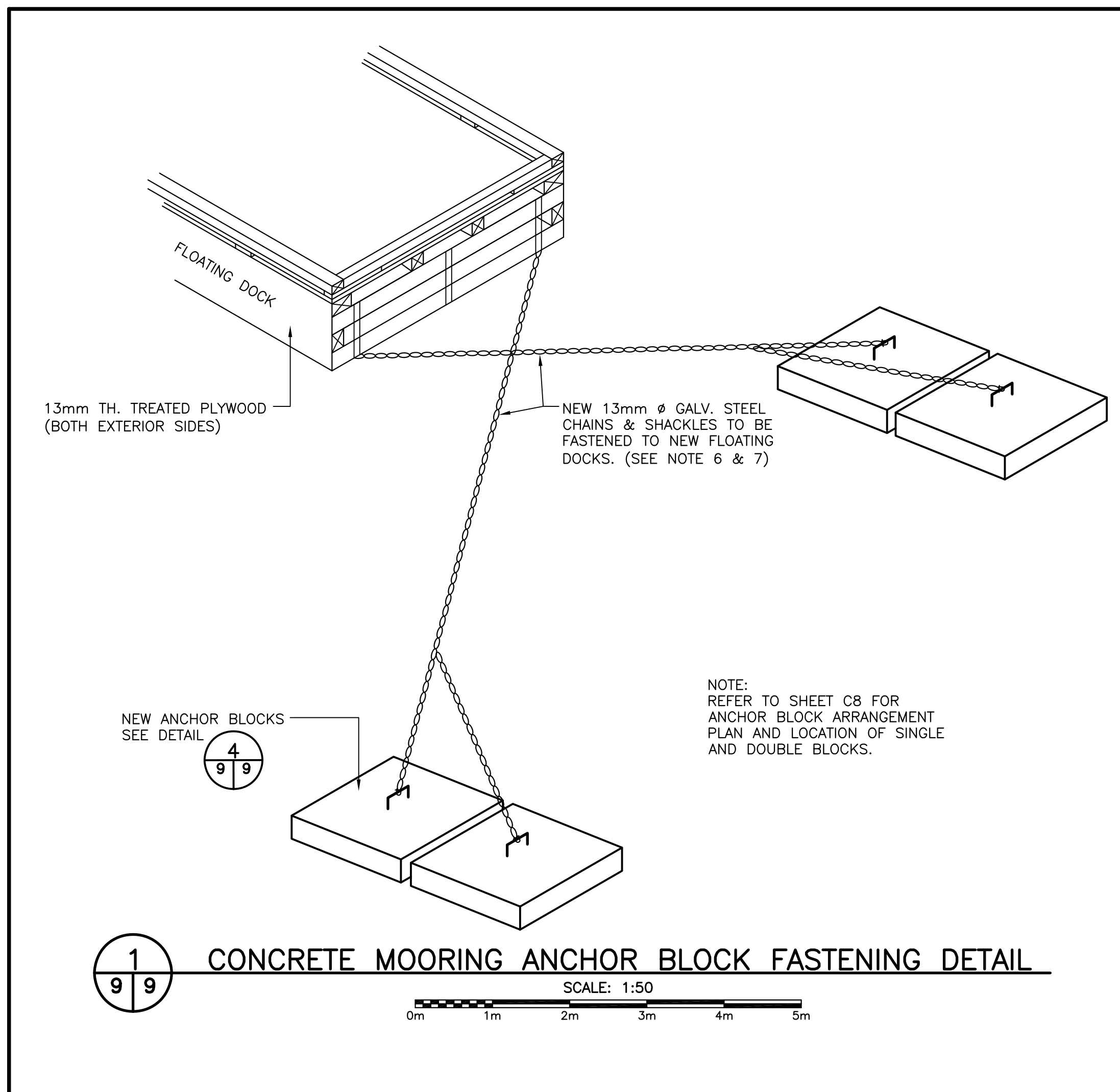
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit Allows
Meridian Engineering Inc.
Member No. 04378
In practice: Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PER: 2014-03
which is valid for the year 2021.

revisions	date
C	ISSUED FOR TENDER 21/06/03
B	ISSUED FOR 99% REVIEW 21/07/20
A	ISSUED FOR 66% REVIEW 21/07/09

WESLEYVILLE (BROOKFIELD) FLOATING DOCK RECONSTRUCTION

PLANS, ELEVATIONS AND DETAILS - FLOATING DOCKS

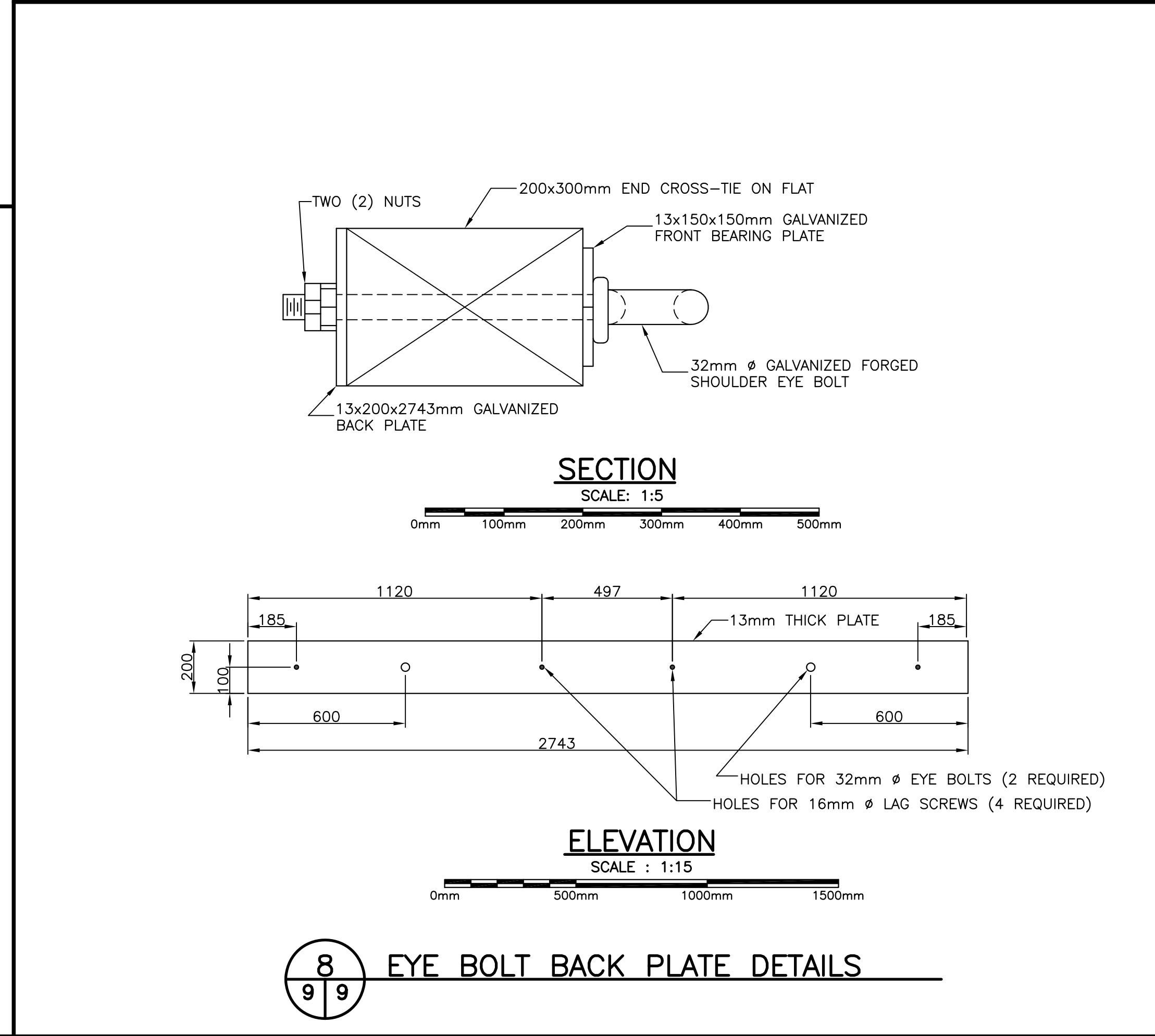
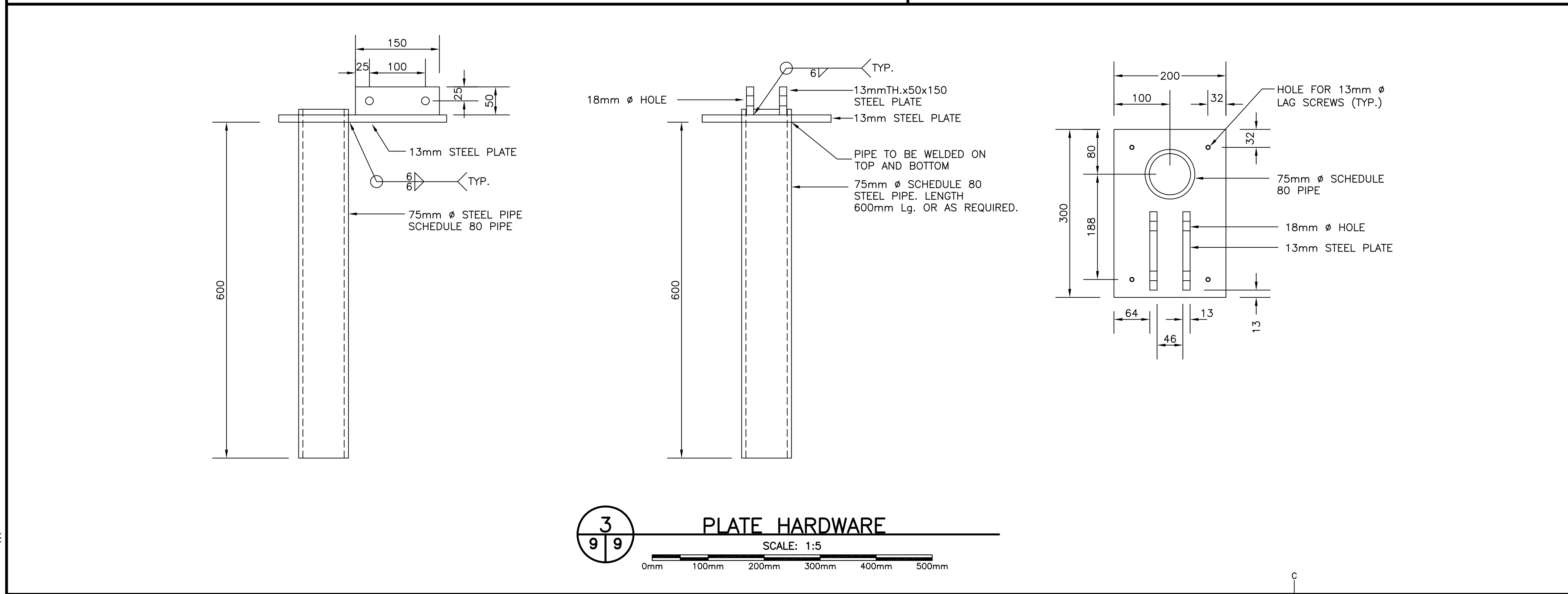
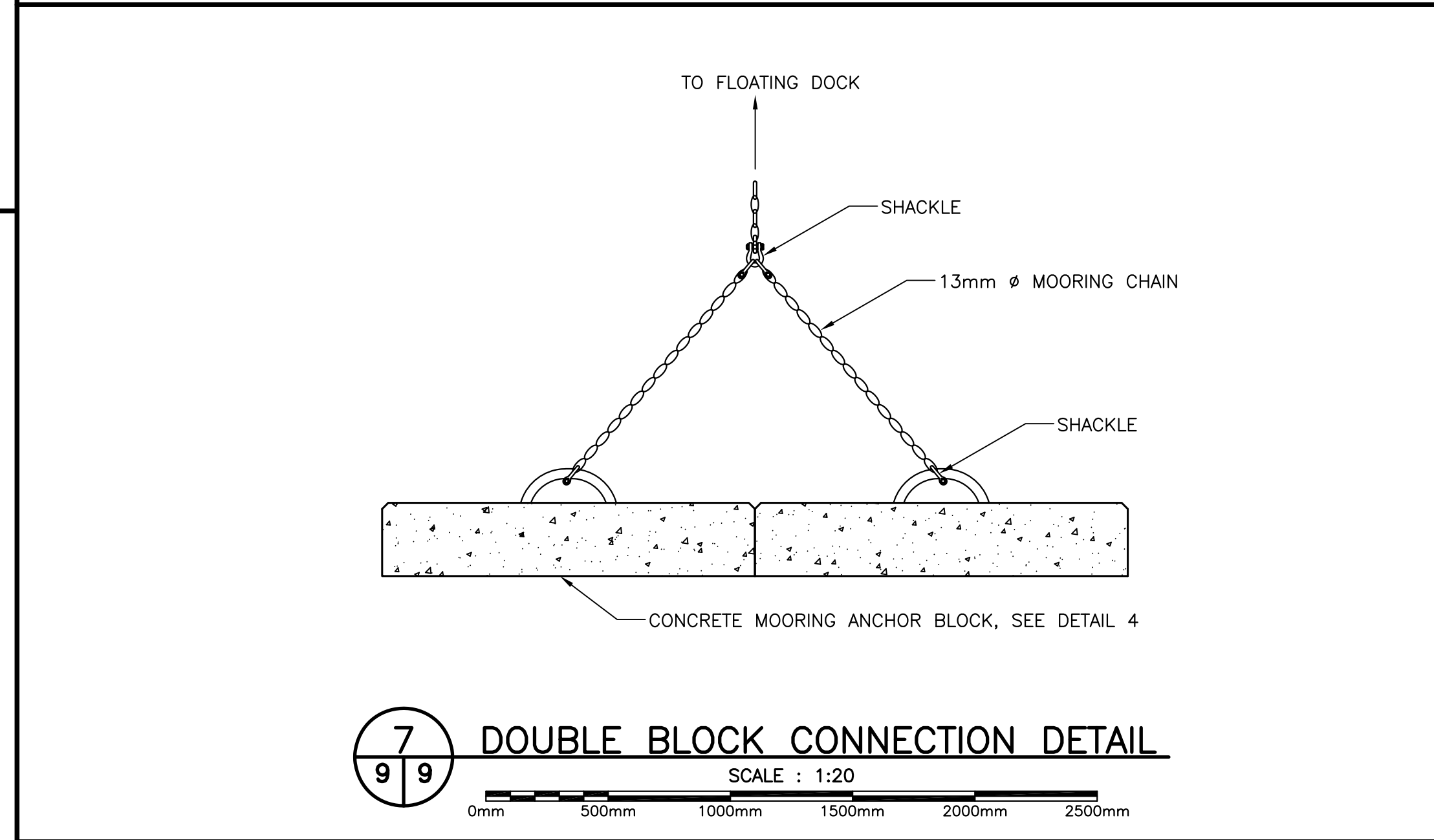
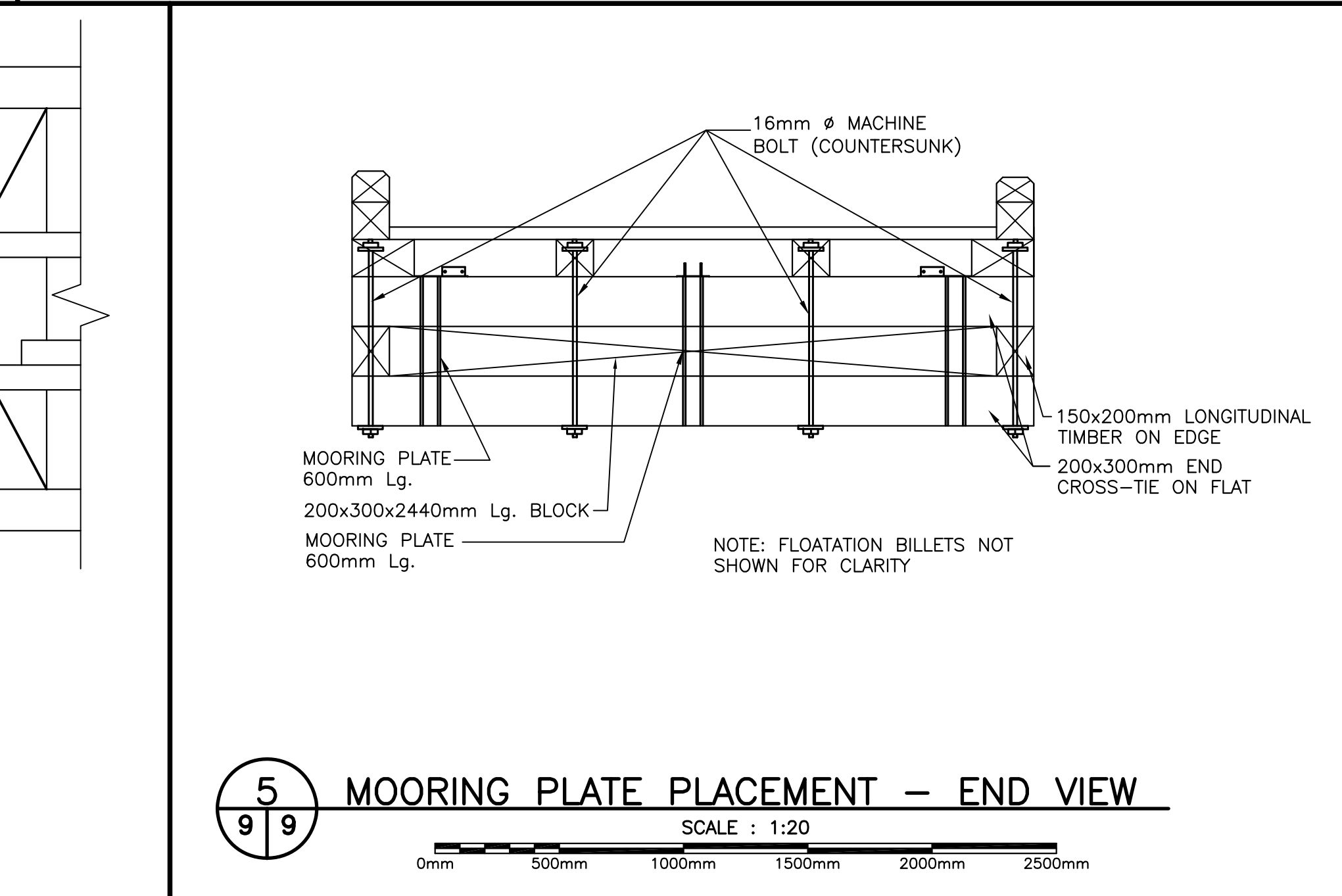
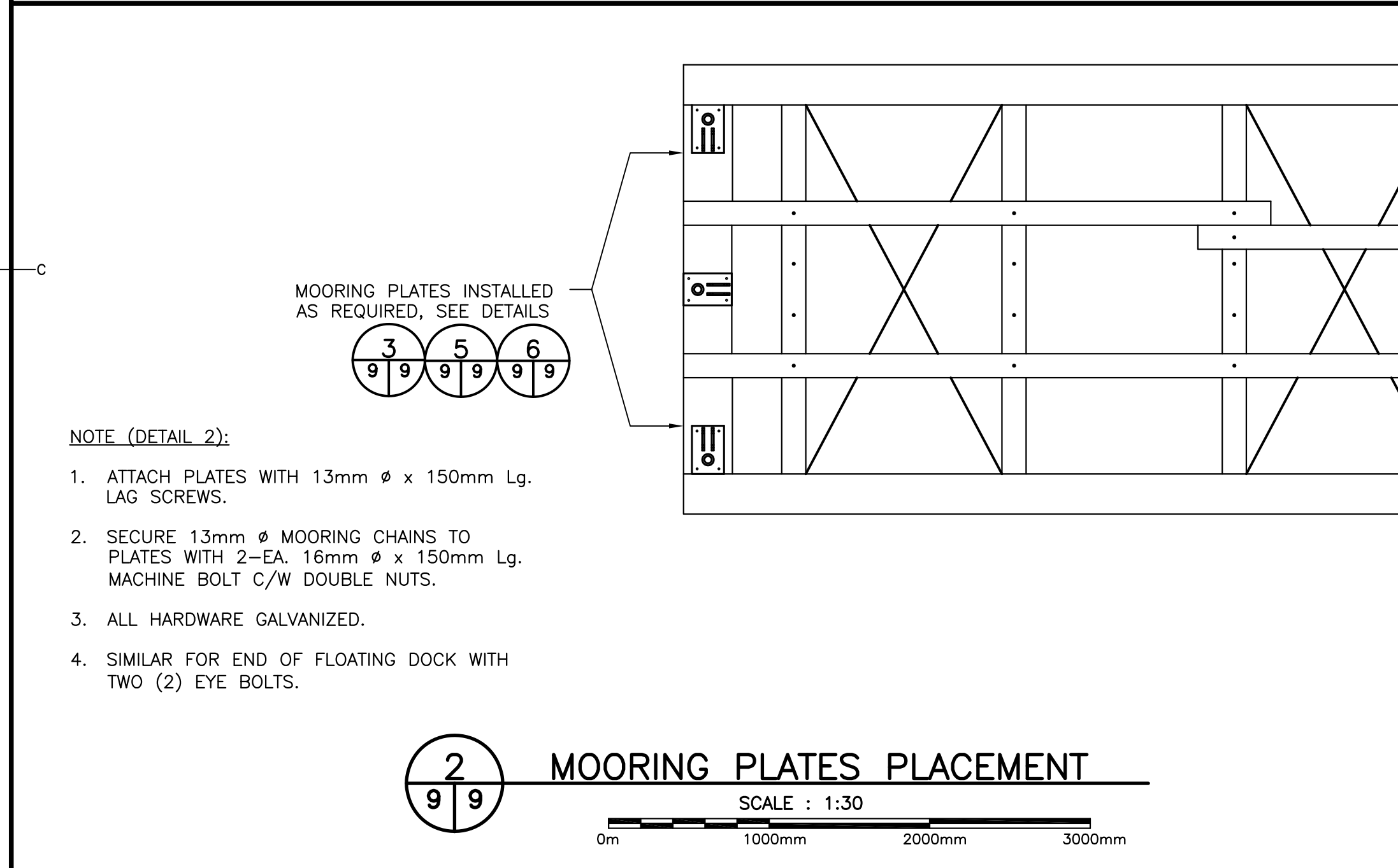
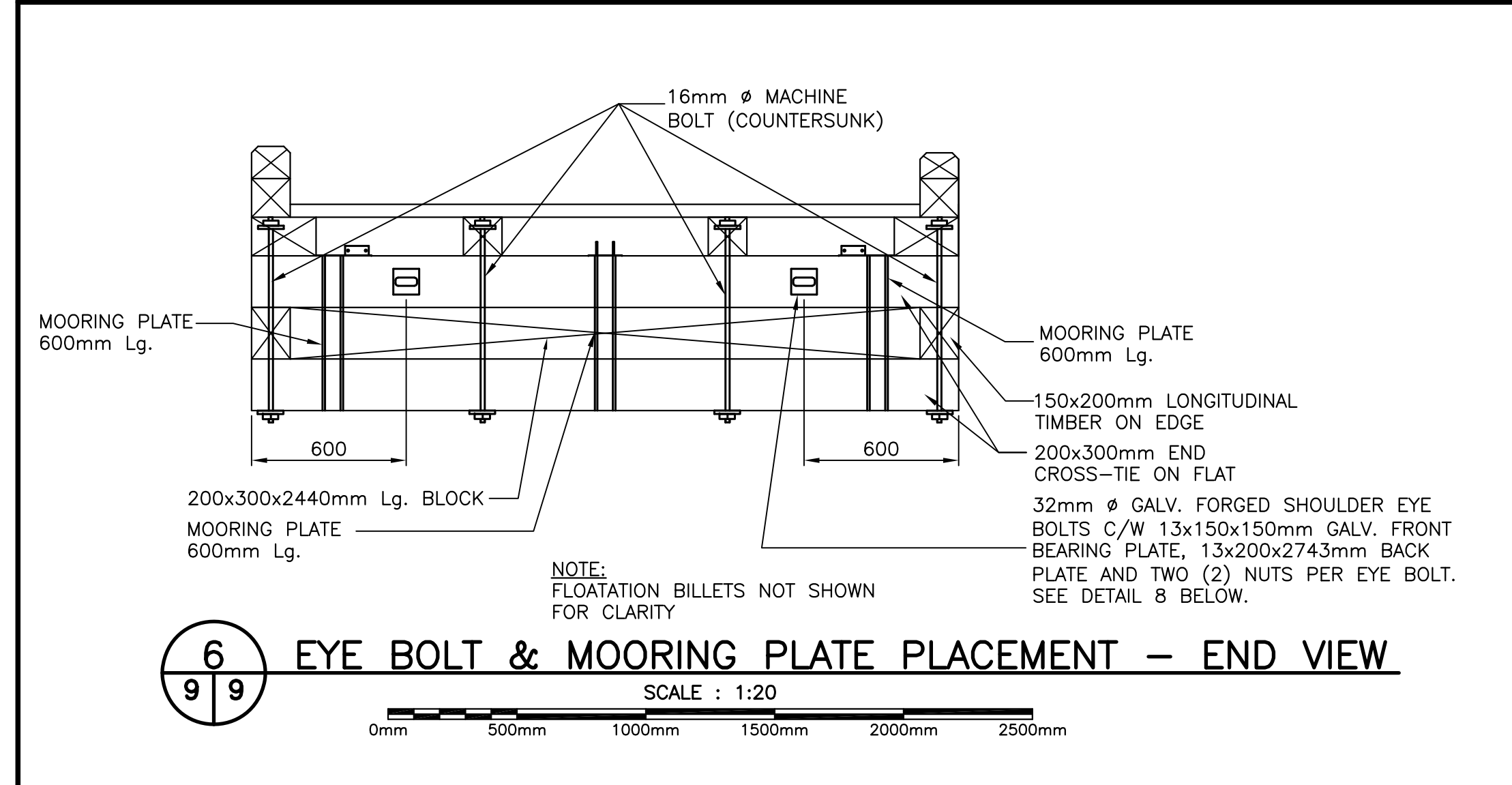
designed C. FISHER concu
date JUNE, 2021
drawn R. SNOW desine
date JUNE, 2021
approved
date
Tender Paul Snow Soumission
DFD Project Manager Administrateur de projets MPO
project number no. du projet
C2-00084
drawing no. no. du dessin
C8 OF 10



- GENERAL NOTES:
- REFER TO GENERAL NOTES ON SHEET C10 CONCERNING THE FLOATING DOCKS.
 - 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, GALVANIZED WELDED STEEL CHAIN WITH MINIMUM WORKING LOAD OF 4170kg.
 - CHAIN SHACKLES TO HAVE ALLOWABLE WORKING LOAD EQUAL TO, OR GREATER THAN, THE ALLOWABLE WORKING LOAD OF THE CHAIN BEING ATTACHED.

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS



PROVINCE OF NEWFOUNDLAND AND LABRADOR

REGISTERED PROFESSIONAL ENGINEER

CHADY FISHER

21/08/03

PERMIT HOLDER

This Permit Allows

Meridian Engineering Inc.

Member No. 04378

In practice Professional Engineering in Newfoundland and Labrador.

Permit No. as issued by PEG 20153

which is valid for the year 2021.

revisions	date
C	ISSUED FOR TENDER 21/08/03
B	ISSUED FOR 99% REVIEW 21/07/20
A	ISSUED FOR 66% REVIEW 21/07/09

WESLEYVILLE (BROOKFIELD) FLOATING DOCK RECONSTRUCTION

PLANS, ELEVATIONS AND DETAILS - FLOATING DOCKS

designed C. FISHER concu

date JUNE, 2021

drawn R. SNOW desine

date JUNE, 2021

approved

date

Tender *Paul Curran* Submission

DFO Project Manager Administrateur de projets MPO

project number no. du projet

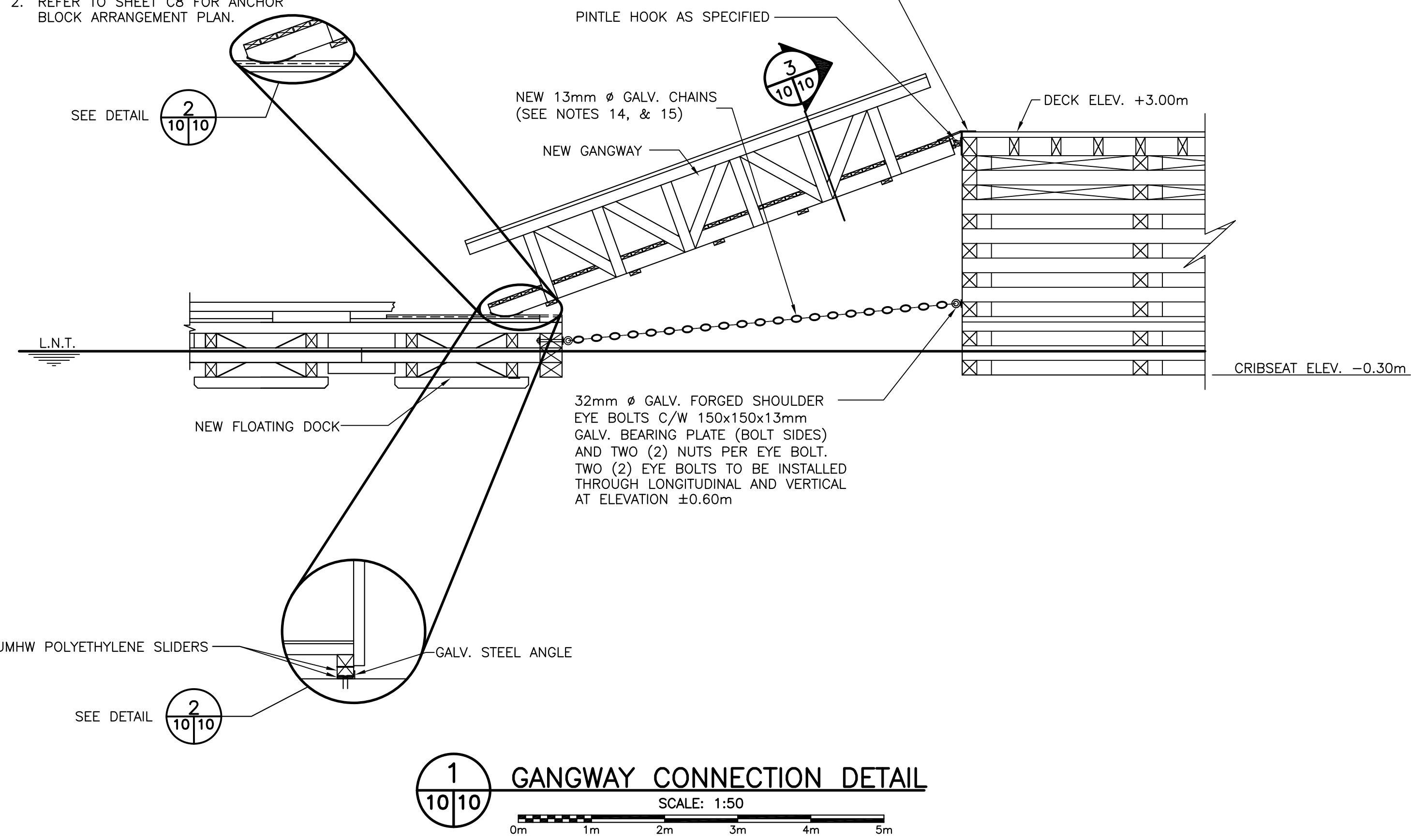
C2-00084

drawing no. no. du dessin

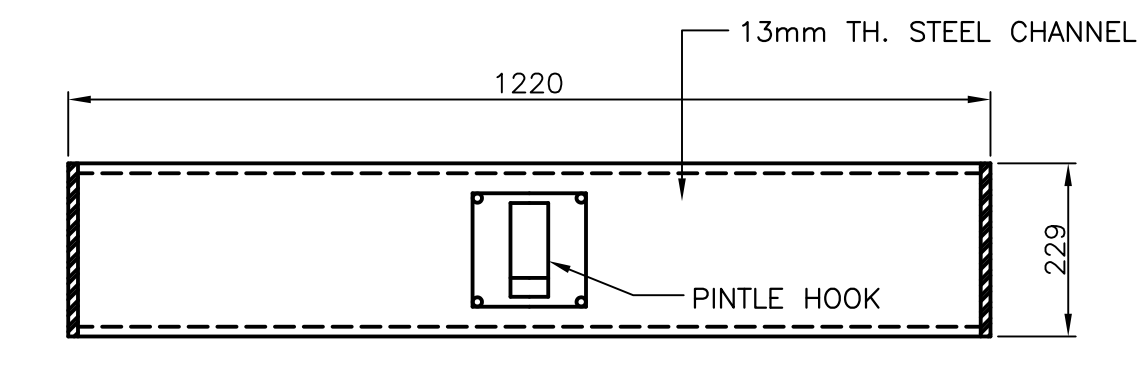
C9 OF 10

NOTES (DETAIL 1):

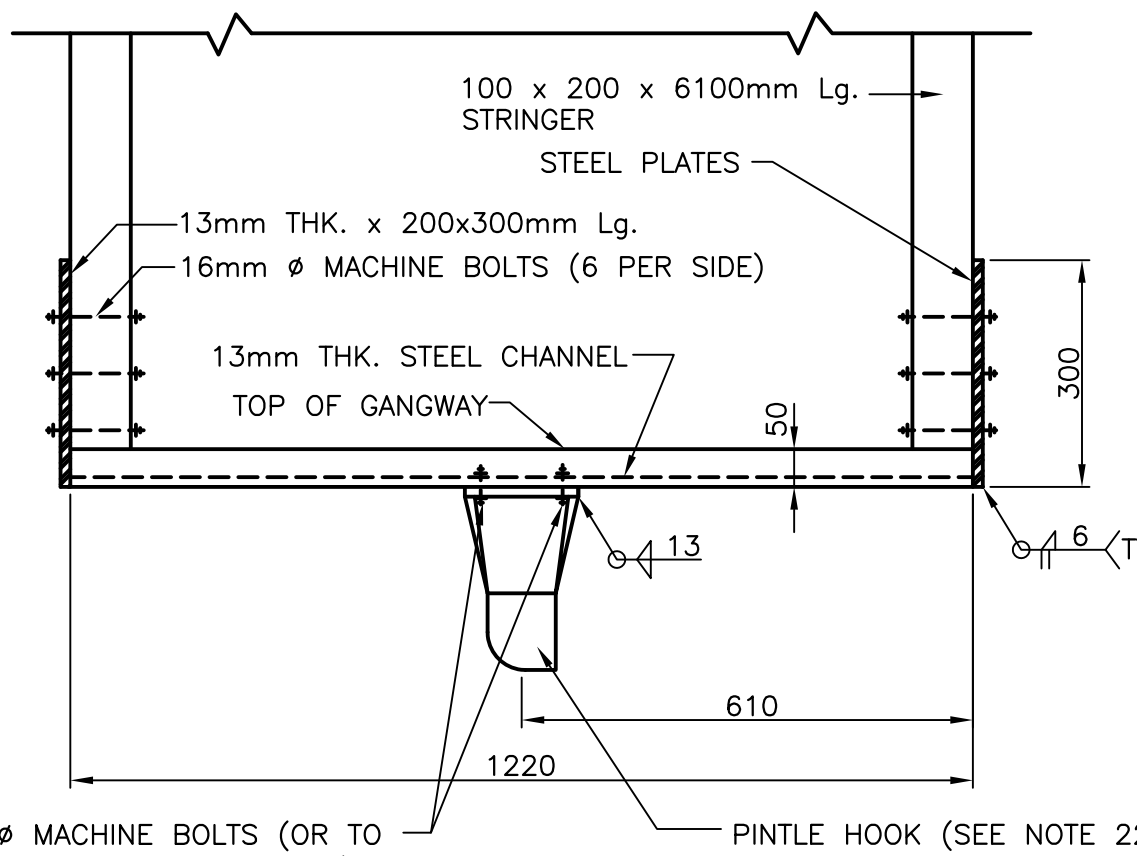
- FLOATING DOCK ANCHORS AND CHAINS OMITTED FOR CLARITY WITH THE EXCEPTION OF THE HEADBLOCK CHAINS.
- REFER TO SHEET C8 FOR ANCHOR BLOCK ARRANGEMENT PLAN.



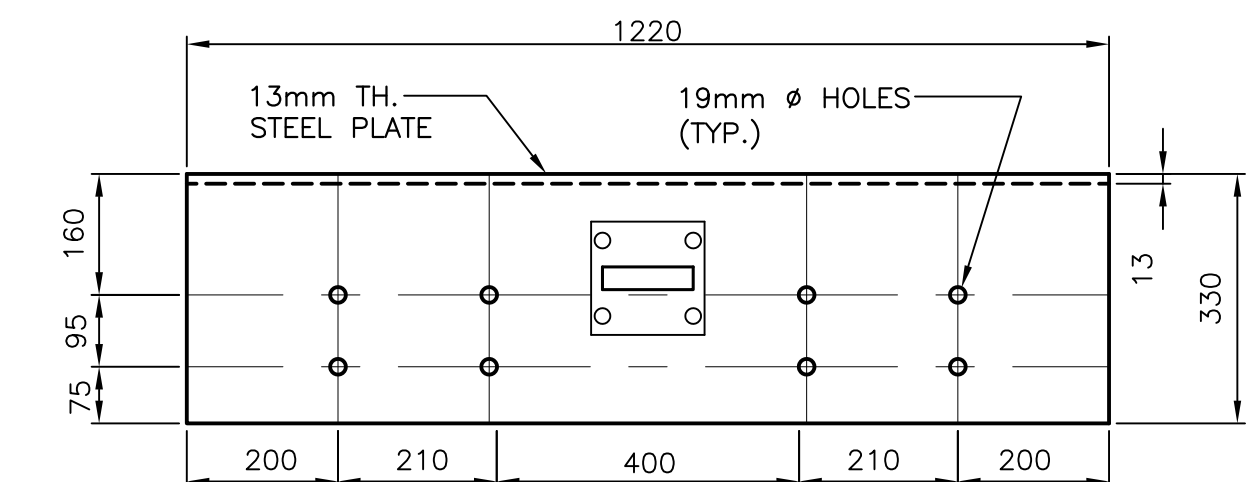
1 GANGWAY CONNECTION DETAIL
SCALE: 1:50



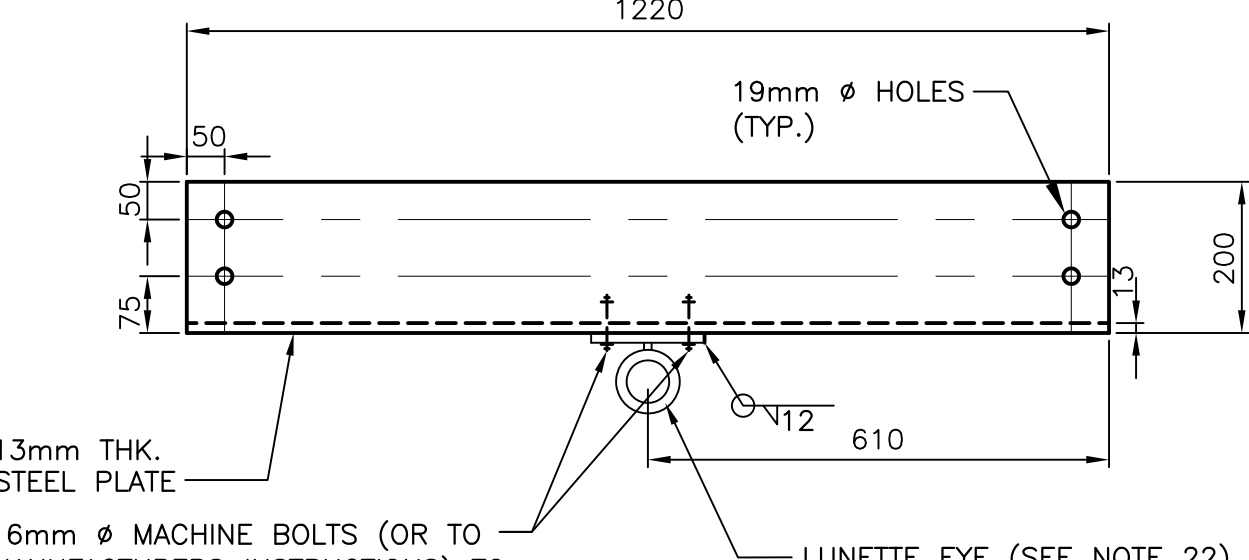
ELEVATION



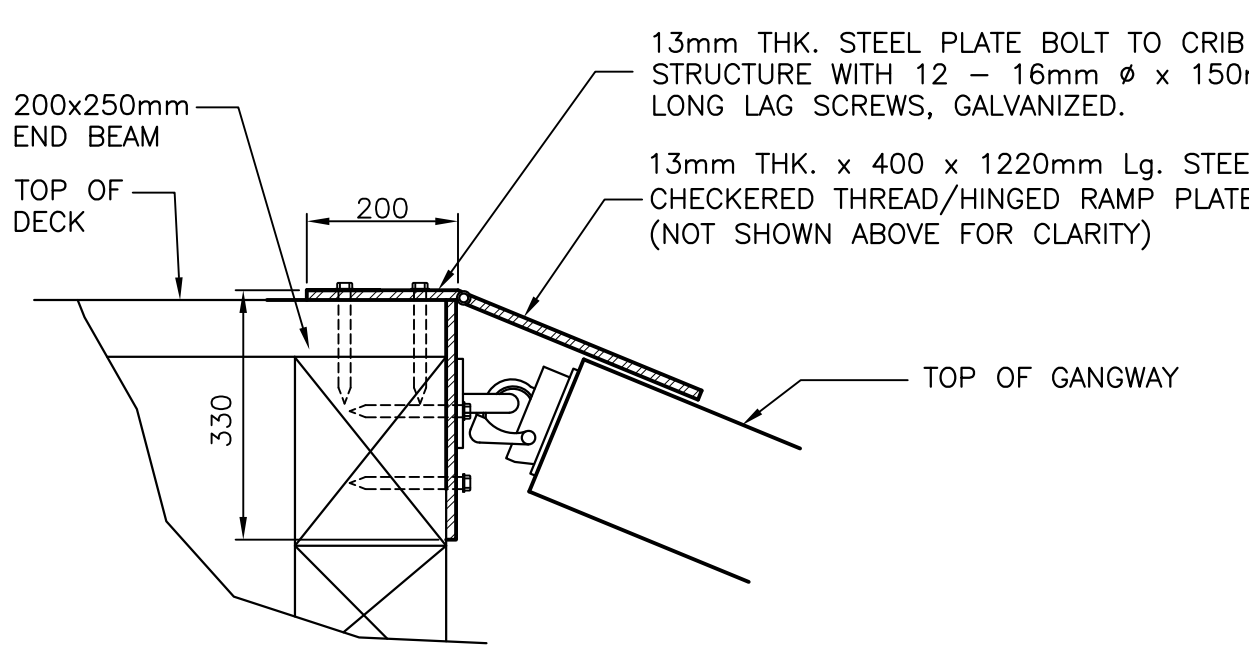
TOP VIEW



ELEVATION



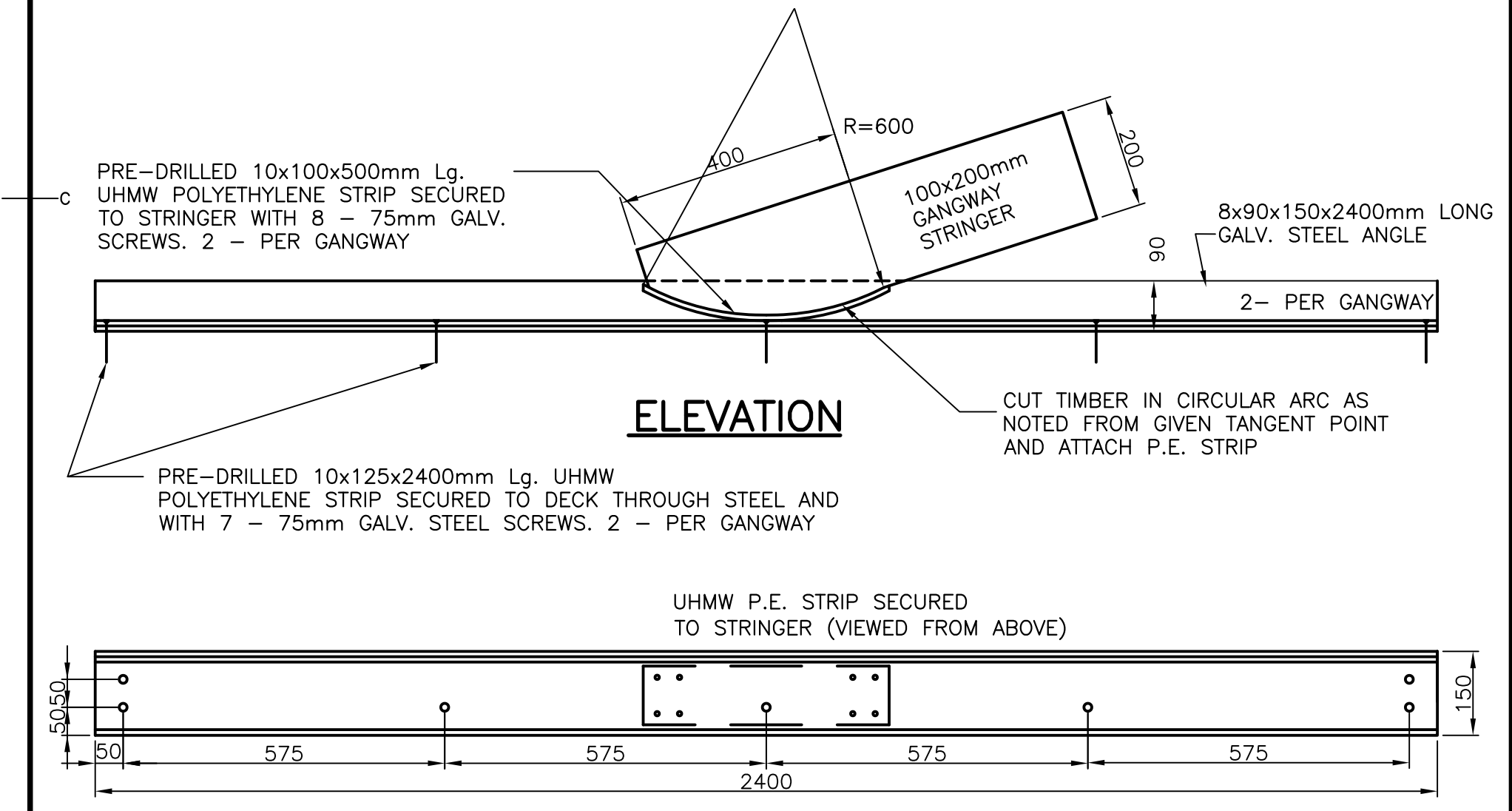
TOP VIEW



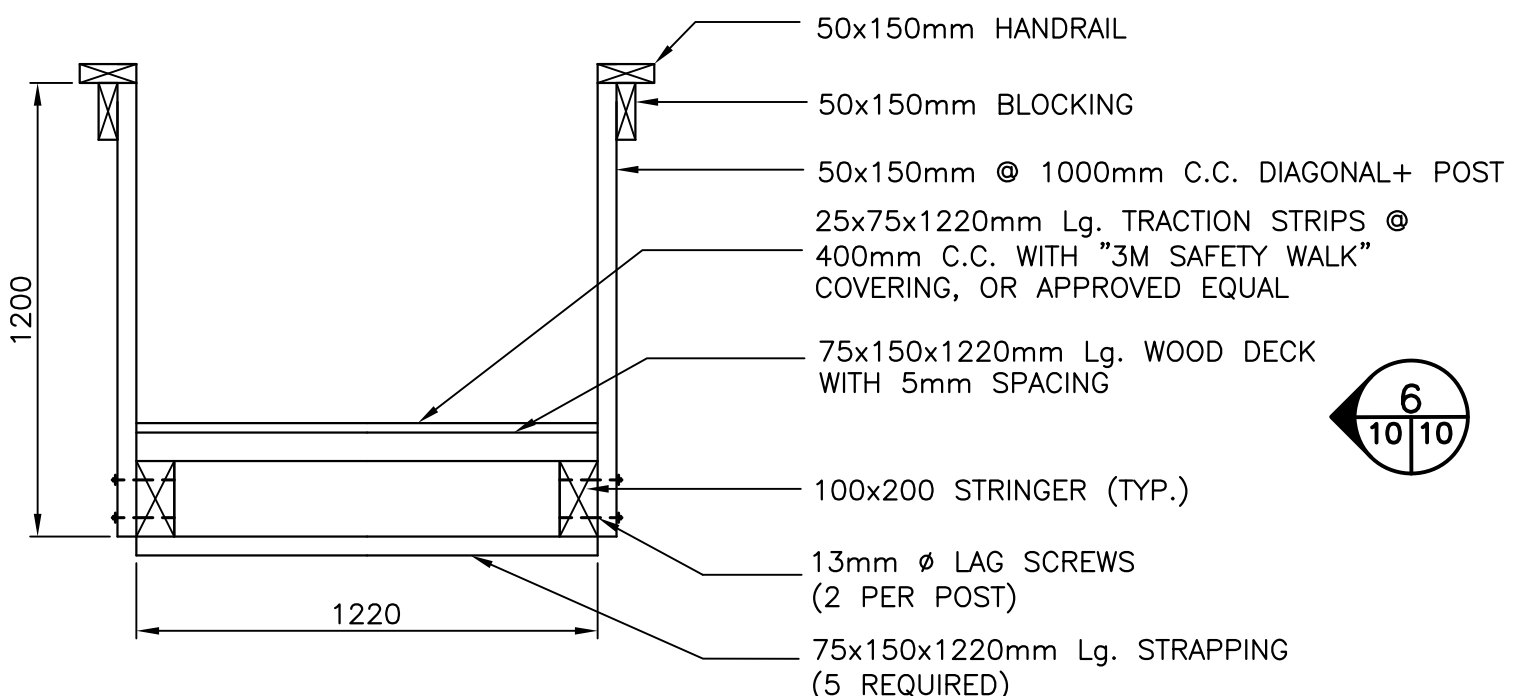
SECTION

4 GANGWAY PLATE 'A' DETAILS
SCALE: 1:10

5 GANGWAY PLATE 'B' DETAILS
SCALE: 1:10

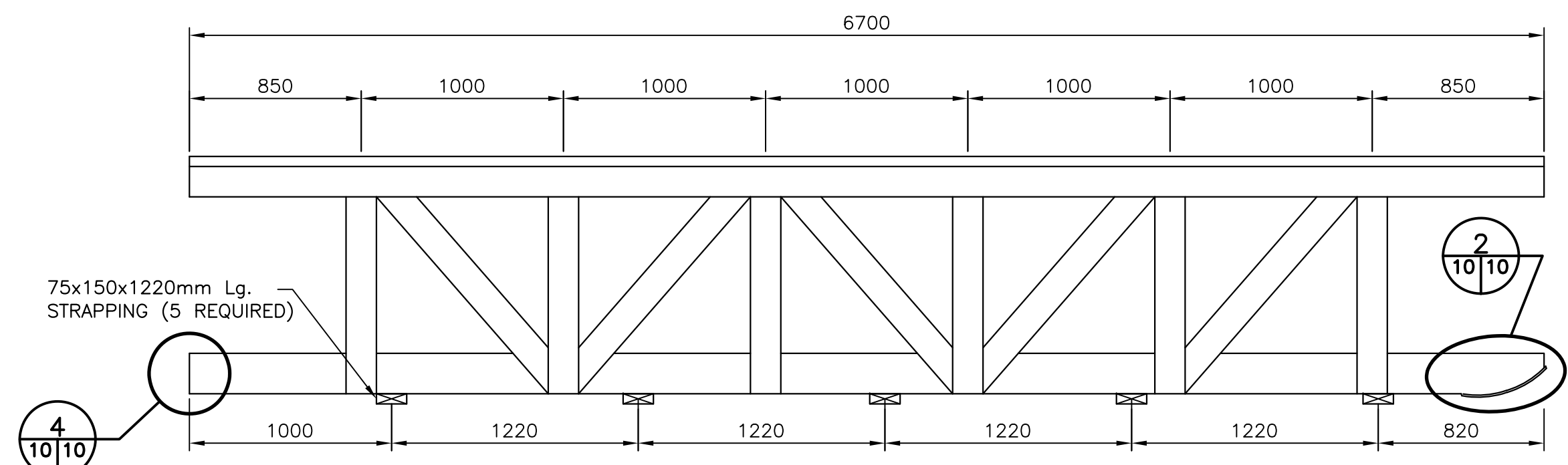


2 FLOATING DOCKS GANGWAY/DOCK INTERFACE
SCALE: 1:10

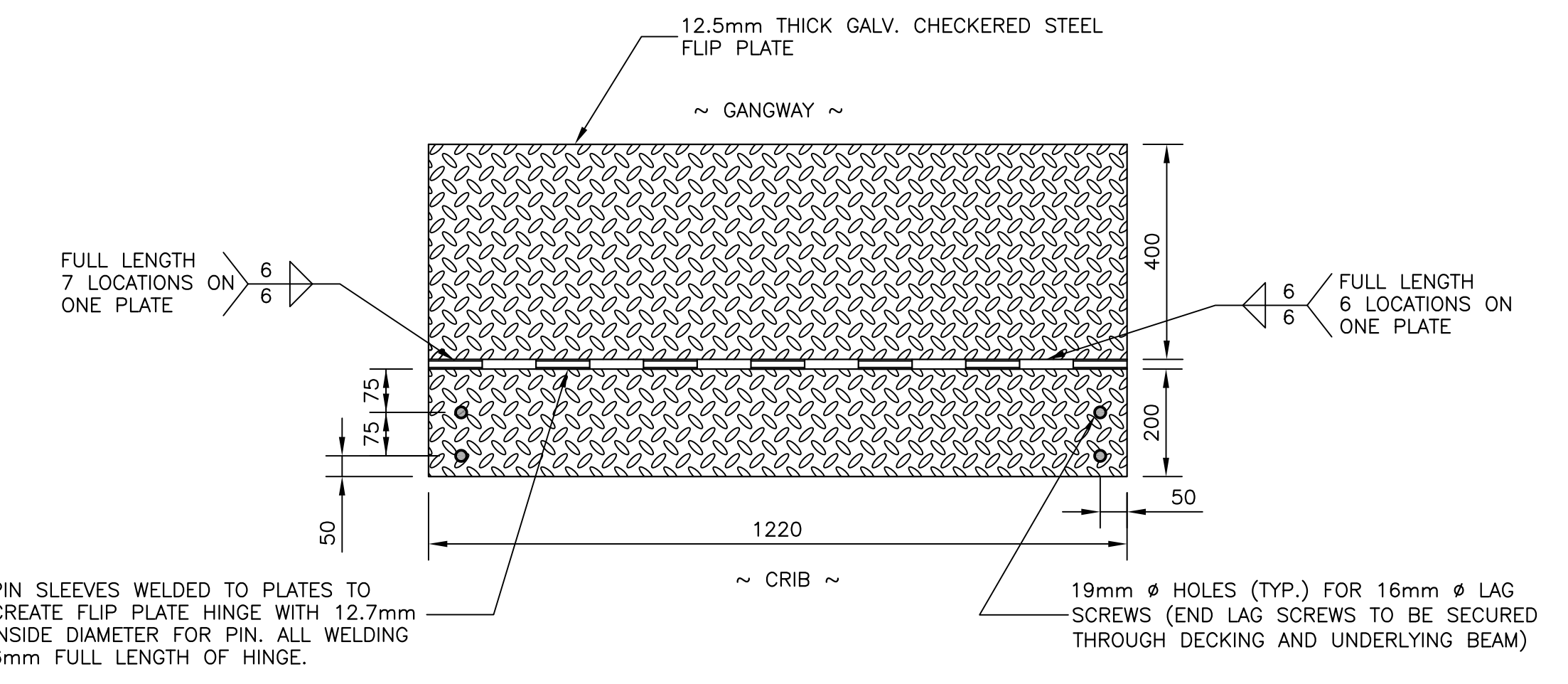


NOTE (DETAIL 3):
1. GANGWAY CONSTRUCTED WITH 125mm Lg. GALVANIZED NAILS. ALL TIMBER CA OR ACQ TREATED.

3 GANGWAY SECTION
SCALE: 1:20



6 ELEVATION - GANGWAY RAILING
SCALE: 1:25



7 GANGWAY HINGED FLIP PLATE DETAILS
SCALE: 1:10

- GENERAL FLOATING DOCK NOTES:**
- ALL DIMENSIONS IN MILLIMETRES.
 - ALL MACHINE BOLTS 16mm DIAMETER, UNLESS OTHERWISE NOTED.
 - ALL DRIFT BOLTS 16mm DIAMETER, UNLESS OTHERWISE NOTED.
 - ALL BOLTS TO BE COUNTERSUNK.
 - ALL TIMBER TO BE TREATED.
 - ALL HARDWARE TO BE GALVANIZED, UNLESS OTHERWISE NOTED.
 - MOORING PLATES AND EYE BOLTS TO BE INSTALLED AT LOCATIONS SHOWN.
 - BUOYANCY BILLETS: 610x1220x2440mm, TYPE 2 EXPANDED POLYSTYRENE C/W 90 MILS AG101 URETHANE WATERPROOFING.
 - PAINT FLOATING DOCK WHEELGUARD, WHEELGUARD CHOCKS, LADDERS AND GANGWAY HANDRAILING/POSTS "SAFETY YELLOW", AS SPECIFIED.
 - CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY PORTION OF THIS WORK.
 - ALL TIMBER FOR FLOATING DOCKS SHALL BE TREATED WITH THE EXCEPTION OF HARDWOOD LADDERS.
 - ALL WHEELGUARD ANCHOR BOLTS SHALL BE COUNTER SUNK. FILL VOID WITH MASTIC SEALANT AFTER ANCHOR BOLTS HAVE BEEN SECURED.
 - UHMW POLYETHYLENE: ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE.
 - PROVIDE ALL NECESSARY SHACKLES AND CONNECTORS REQUIRED TO INSTALL AND CONNECT ALL MOORING CHAINS AS SHOWN. CHAIN SHACKLES TO HAVE ALLOWABLE WORKING LOAD EQUAL TO OR GREATER THAN THE ALLOWABLE WORKING LOAD OF THE CHAIN BEING ATTACHED.
 - MOORING CHAIN SHALL BE NOMINAL 13mm, GRADE 43, GALVANIZED WELDED STEEL CHAIN WITH MINIMUM WORKING LOAD OF 4170KG.

- GENERAL FLOATING DOCK NOTES CONT'D:**
- ANCHOR BLOCKS AND CHAIN SHALL BE PLACED AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
 - EXACT LOCATION OF FLOATING DOCK TO BE CONFIRMED ON SITE WITH DEPARTMENTAL REPRESENTATIVE.
 - 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 THE RESPECTIVE DIRECTIONS.
 - ALL STRUCTURAL STEEL SHALL BE GALVANIZED, NEW STOCK AND CONFORM TO THE EXISTING GRADES AND STANDARDS. STRUCTURAL STEEL SECTIONS TO CSA G40.21, LATEST EDITION, GRADE 350W. ALL STEEL PLATES TO CSA G40.21, LATEST EDITION, GRADE 300W.
 - ALL STEEL SECTIONS SHALL BE FABRICATED IN ACCORDANCE WITH CSA 516.1, LATEST EDITION. FABRICATOR TO CONFIRM ALL DIMENSIONS AND ELEVATIONS ONSITE PRIOR TO FABRICATION.
 - WELDING TO BE IN ACCORDANCE WITH CSA W59.
 - REFER TO SECTION 31 53 16 - STRUCTURAL TIMBER FOR DETAILS REGARDING THE PINTLE HOOK AND LUNETTE EYE.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
P.E.G. PERMIT HOLDER
 This Permit Allows
Meridian Engineering Inc.
 Member No. 04378
 To practice Professional Engineering in Newfoundland and Labrador. Permit No. issued by PEG: N04501 which is valid for the year 2024.

revisions	date
C	ISSUED FOR TENDER 21/08/03
B	ISSUED FOR 99% REVIEW 21/07/20
A	ISSUED FOR 66% REVIEW 21/07/09

WESLEYVILLE (BROOKFIELD) FLOATING DOCK RECONSTRUCTION

GANGWAY PLAN, ELEVATIONS SECTIONS AND DETAILS

designed	C. FISHER	concu
date	JUNE, 2021	
drawn	R. SNOW	designe
date	JUNE, 2021	
approved		approve
date		
Tender	<i>Paul Curran</i>	Submission
DFO Project Manager	Administrateur de projets MPO	
project number		no. du projet
	C2-00084	
drawing no.		no. du dessin
	C10 OF 10	