



Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
Canada

**DECK REPLACEMENT  
STRUCTURE 402  
BIG BRAS D'OR  
VICTORIA COUNTY  
NOVA SCOTIA**

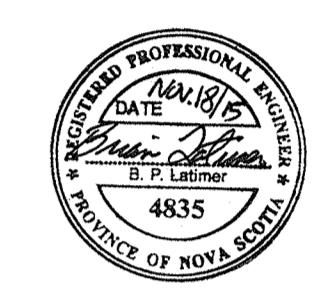
**PROJECT NO. R.077583.001**

**DRAWING LIST**

MARINE

|    |                          |
|----|--------------------------|
| S1 | EXISTING SITE PLAN       |
| S2 | PLAN, SECTIONS & DETAILS |
| S3 | PLAN, SECTIONS & DETAILS |
| S4 | PLAN, SECTIONS & DETAILS |
| S5 | SECTIONS & DETAILS       |
| S6 | SECTIONS & DETAILS       |

**Canada**



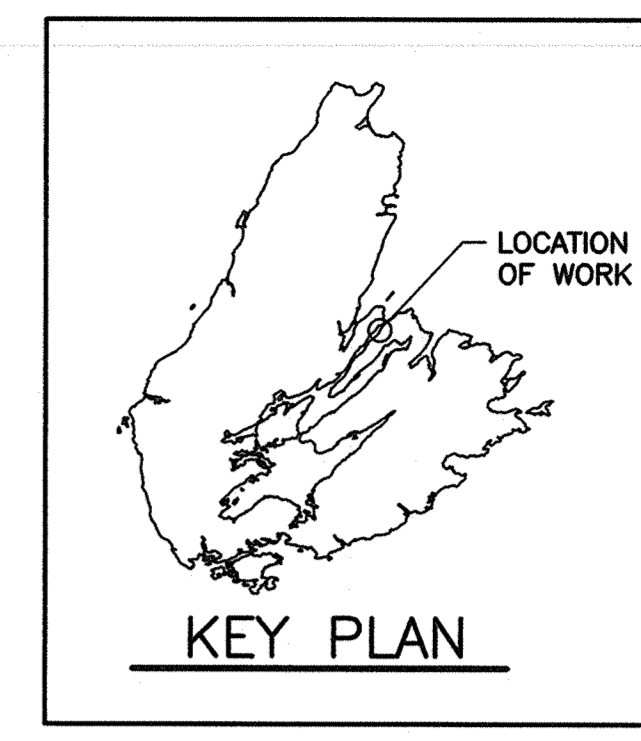
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| revisions |                          | date        |
| project   |                          | project     |

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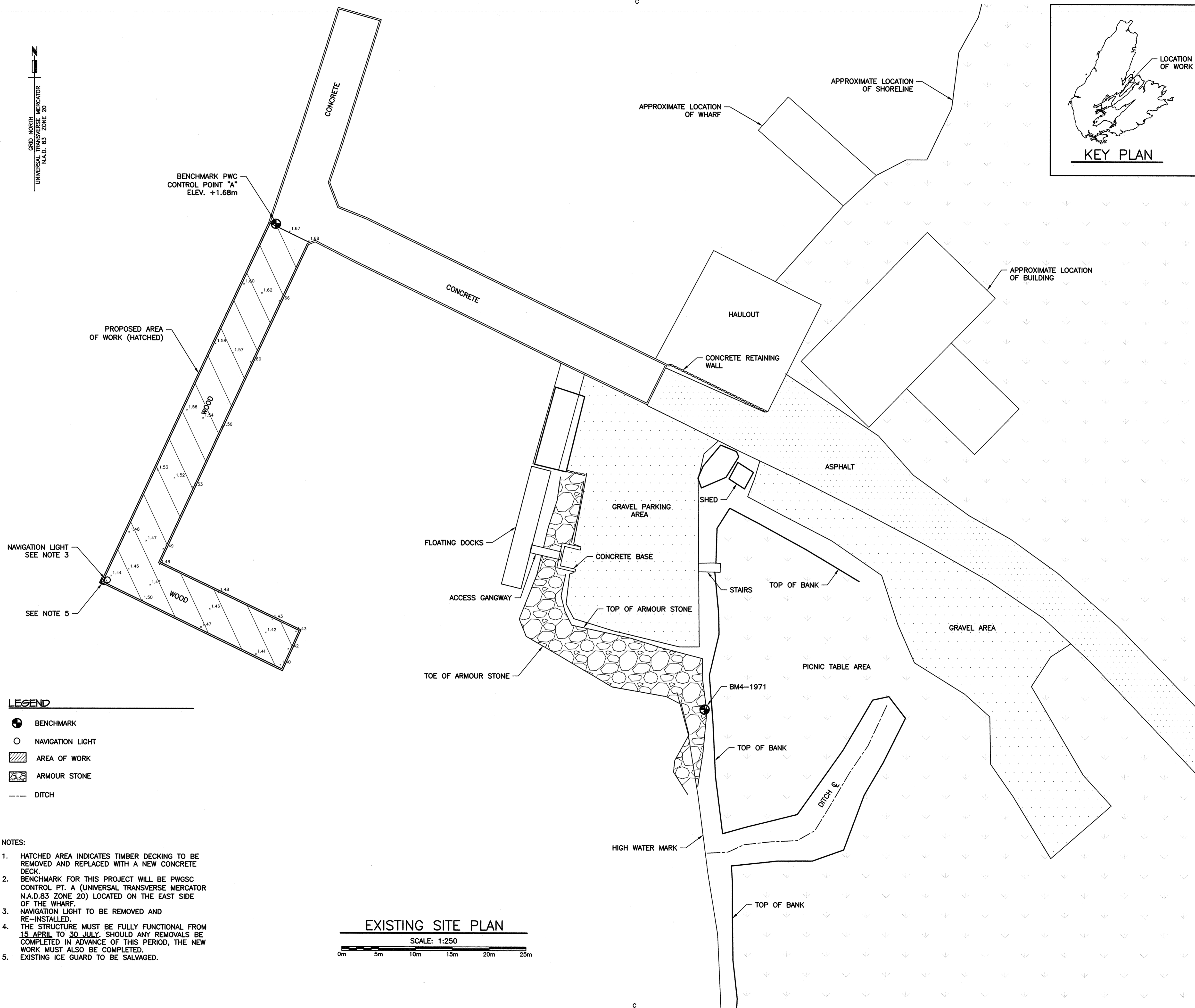
drawing design

**EXISTING  
SITE PLAN**

|                |                       |                                |
|----------------|-----------------------|--------------------------------|
| designed       | B. LATIMER            | conçu                          |
| date           | NOVEMBER 18, 2015     |                                |
| drawn          | D. FERGUSON           | dessiné                        |
| date           | NOVEMBER 18, 2015     |                                |
| approved       |                       | approuvé                       |
| date           |                       |                                |
| Tender         | M. WALSH              | Spoumision                     |
|                | PWGSC Project Manager | Administrateur de projets TPSC |
| project number |                       | no. du projet                  |
|                | <b>R.077583.001</b>   |                                |
| drawing no.    |                       | no. du dessin                  |
|                | <b>S1 OF 6</b>        |                                |



GRID NORTH  
UNIVERSAL TRANSVERSE MERCATOR  
N.A.D. 83 ZONE 20

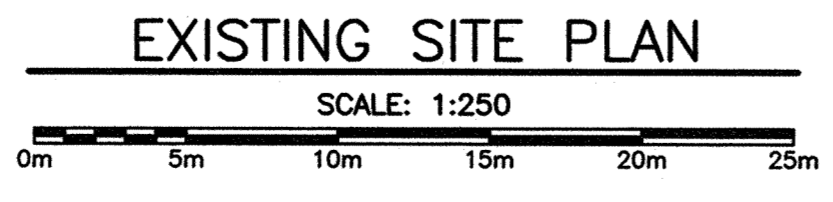


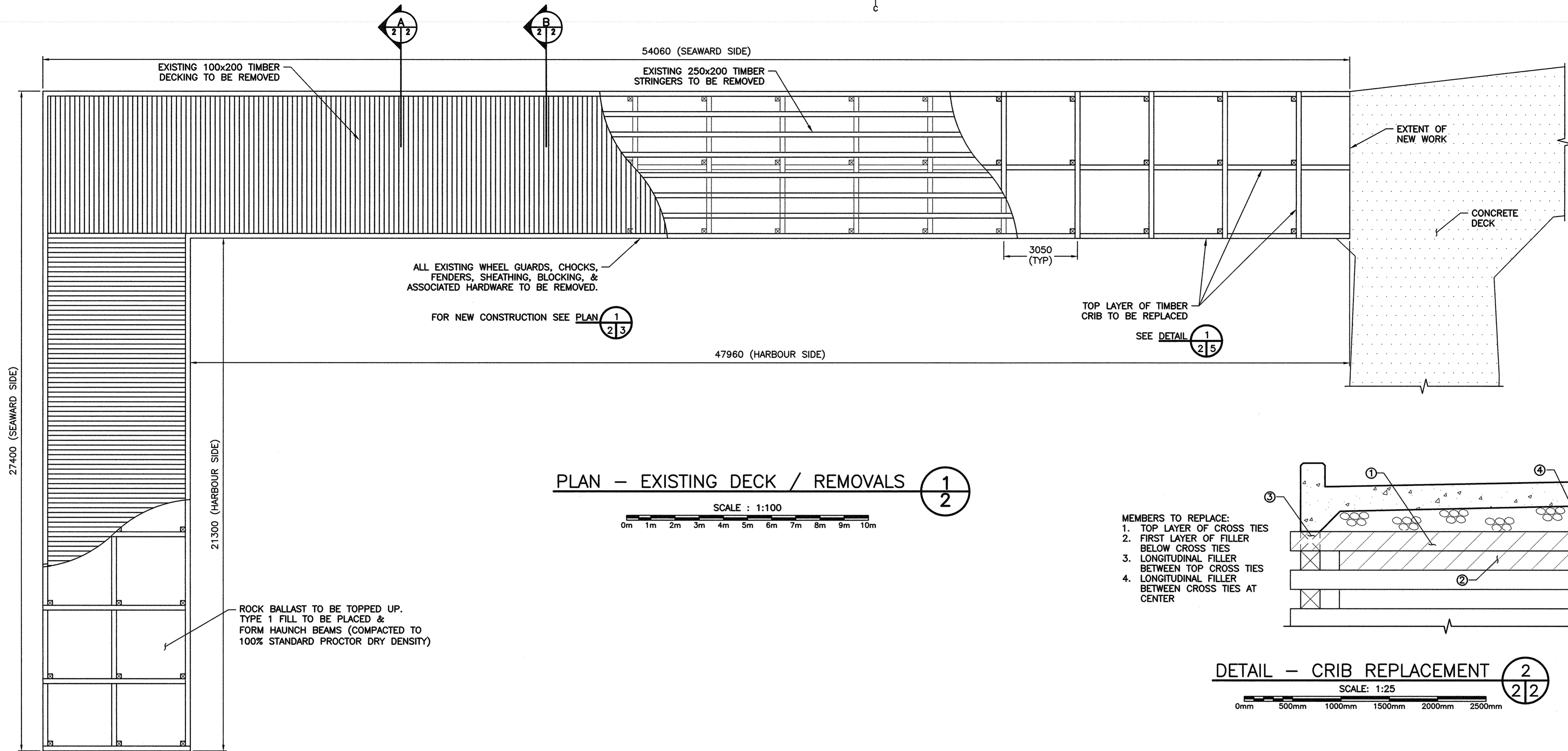
**LEGEND**

- ⊕ BENCHMARK
- NAVIGATION LIGHT
- ▨ AREA OF WORK
- ⊞ ARMOUR STONE
- - - DITCH

**NOTES:**

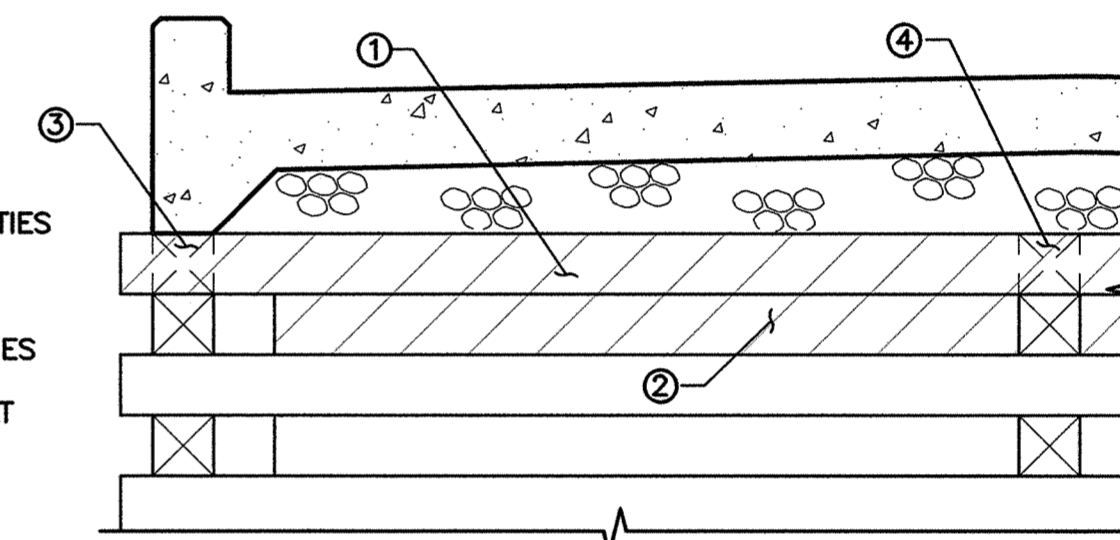
1. HATCHED AREA INDICATES TIMBER DECKING TO BE REMOVED AND REPLACED WITH A NEW CONCRETE DECK.
2. BENCHMARK FOR THIS PROJECT WILL BE PWGSC CONTROL PT. A (UNIVERSAL TRANSVERSE MERCATOR N.A.D.83 ZONE 20) LOCATED ON THE EAST SIDE OF THE WHARF.
3. NAVIGATION LIGHT TO BE REMOVED AND RE-INSTALLED.
4. THE STRUCTURE MUST BE FULLY FUNCTIONAL FROM 15 APRIL TO 30 JULY. SHOULD ANY REMOVALS BE COMPLETED IN ADVANCE OF THIS PERIOD, THE NEW WORK MUST ALSO BE COMPLETED.
5. EXISTING ICE GUARD TO BE SALVAGED.



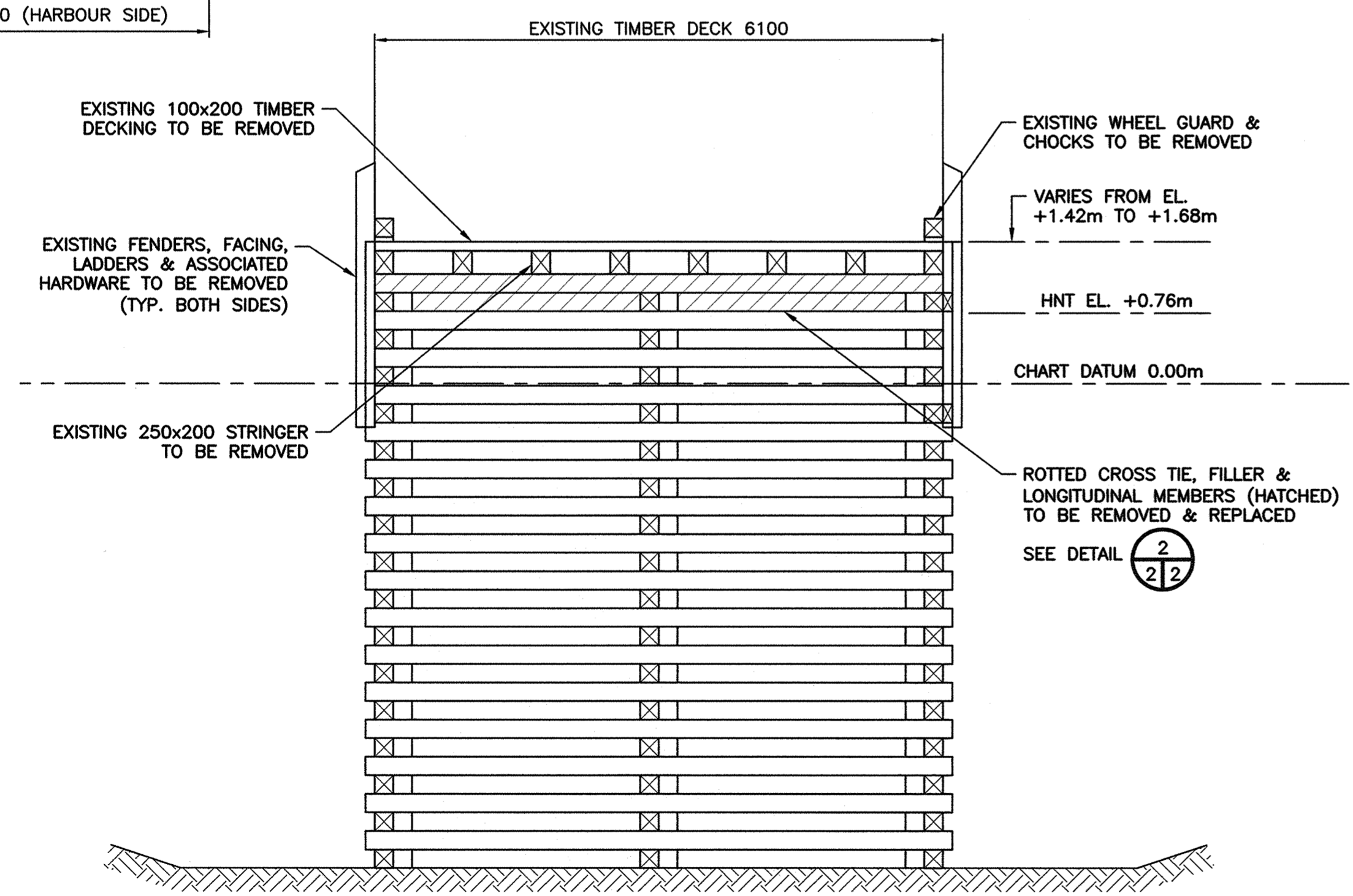


PLAN - EXISTING DECK / REMOVALS 1  
2

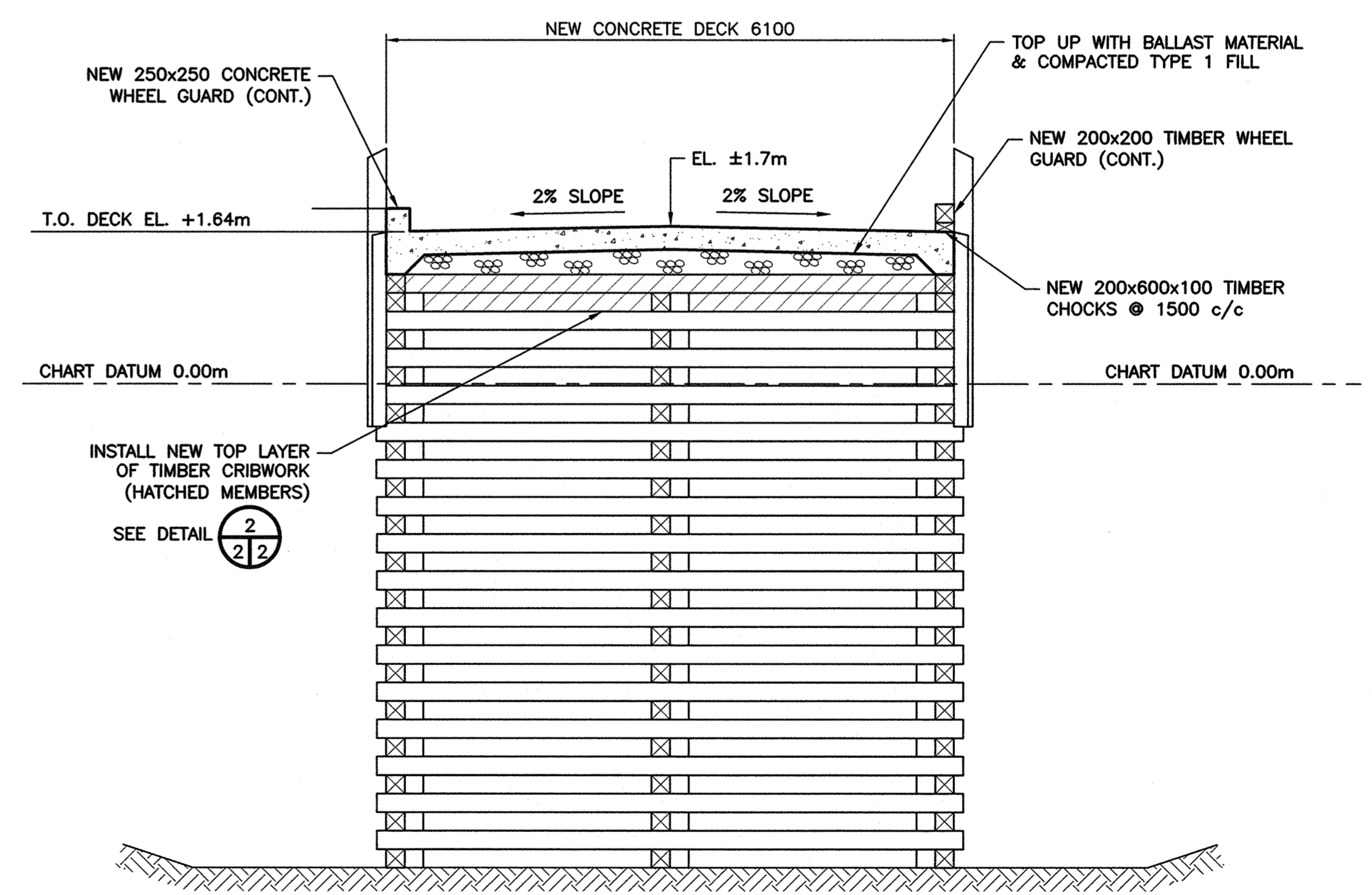
- MEMBERS TO REPLACE:
1. TOP LAYER OF CROSS TIES
  2. FIRST LAYER OF FILLER BELOW CROSS TIES
  3. LONGITUDINAL FILLER BETWEEN TOP CROSS TIES
  4. LONGITUDINAL FILLER BETWEEN CROSS TIES AT CENTER



DETAIL - CRIB REPLACEMENT 2  
2



SECTION - EXISTING STRUCTURE A  
2/2



SECTION - NEW STRUCTURE B  
2/2

|           |                          |             |
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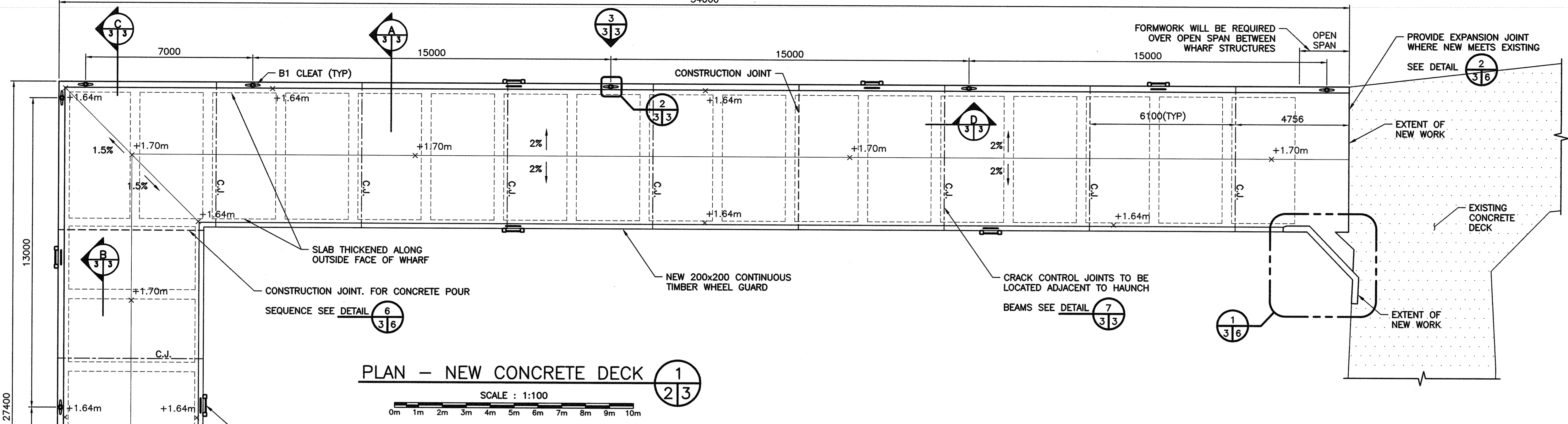
project DECK REPLACEMENT  
STRUCTURE 402  
BIG BRAS D'OR  
VICTORIA COUNTY  
NOVA SCOTIA

drawing design

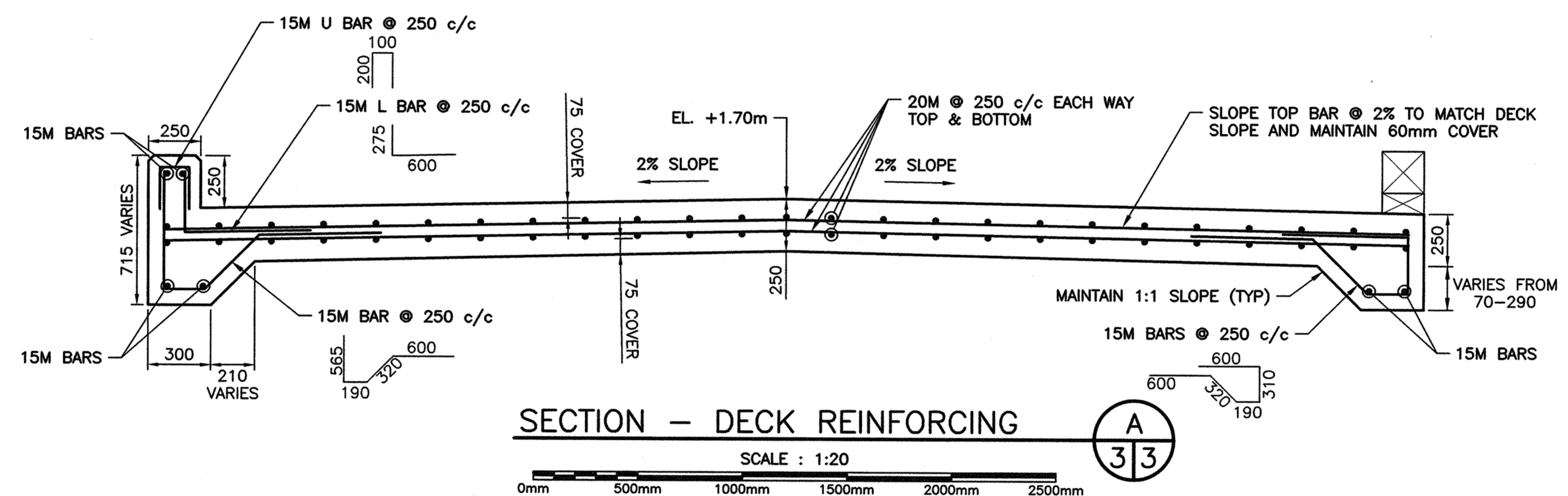
PLAN, SECTIONS, & DETAILS

designed B. LATIMER conçu  
date NOVEMBER 18, 2015  
drawn D. FERGUSON dessiné  
date NOVEMBER 18, 2015  
approved approuvé  
date  
Tender M. WALSH Submission  
PWGSC Project Manager Administrateur de projets TPSGC  
project number no. du projet  
**R.077583.001**  
drawing no. no. du dessin  
**S2 OF 6**



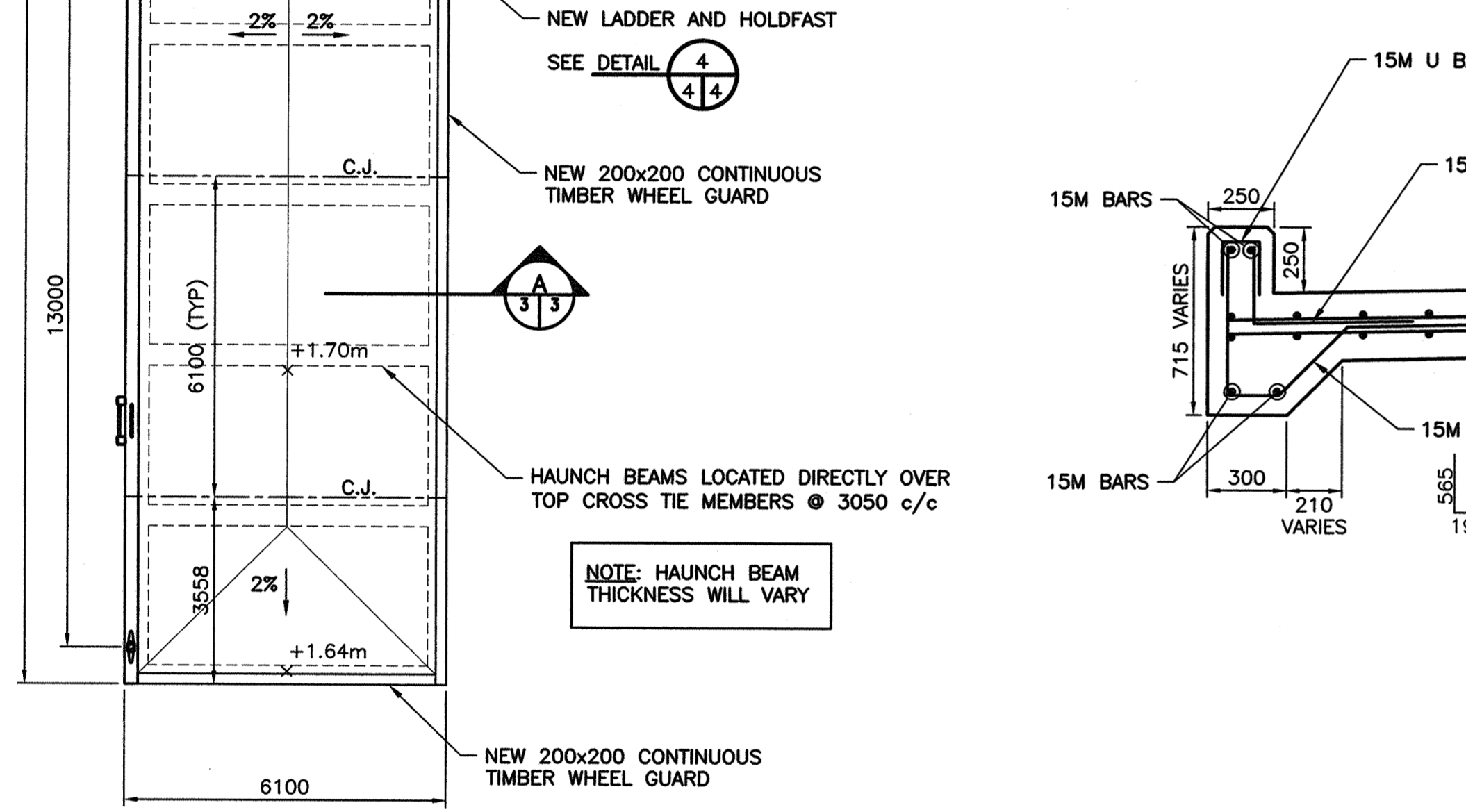


PLAN - NEW CONCRETE DECK (1/2/3) SCALE: 1:100

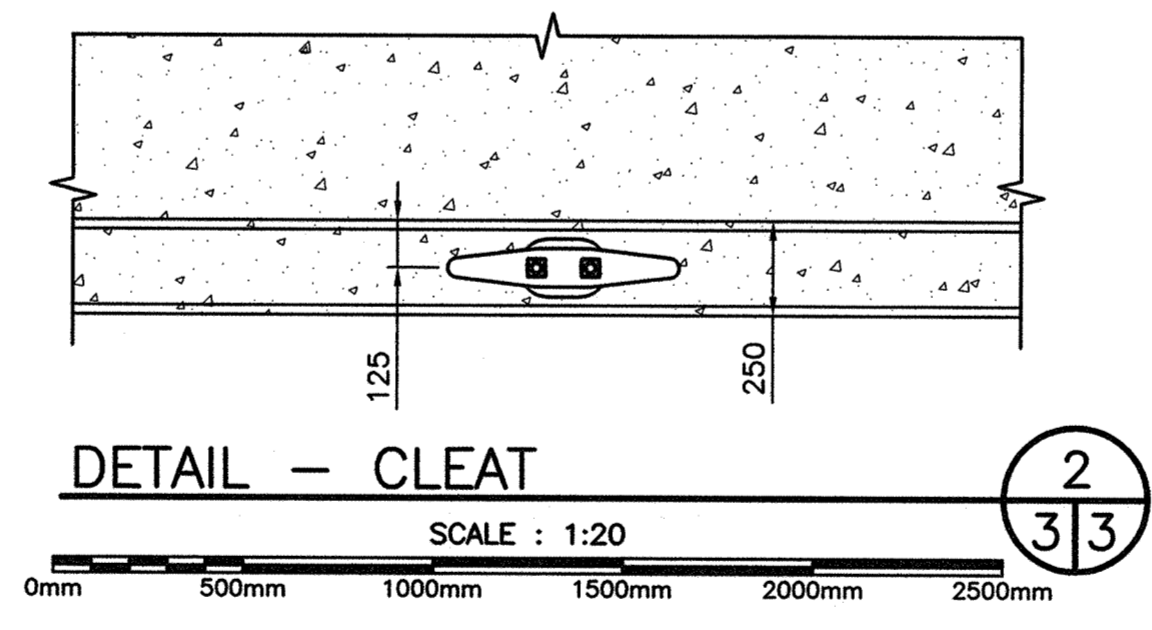


SECTION - DECK REINFORCING (A/3/3) SCALE: 1:20

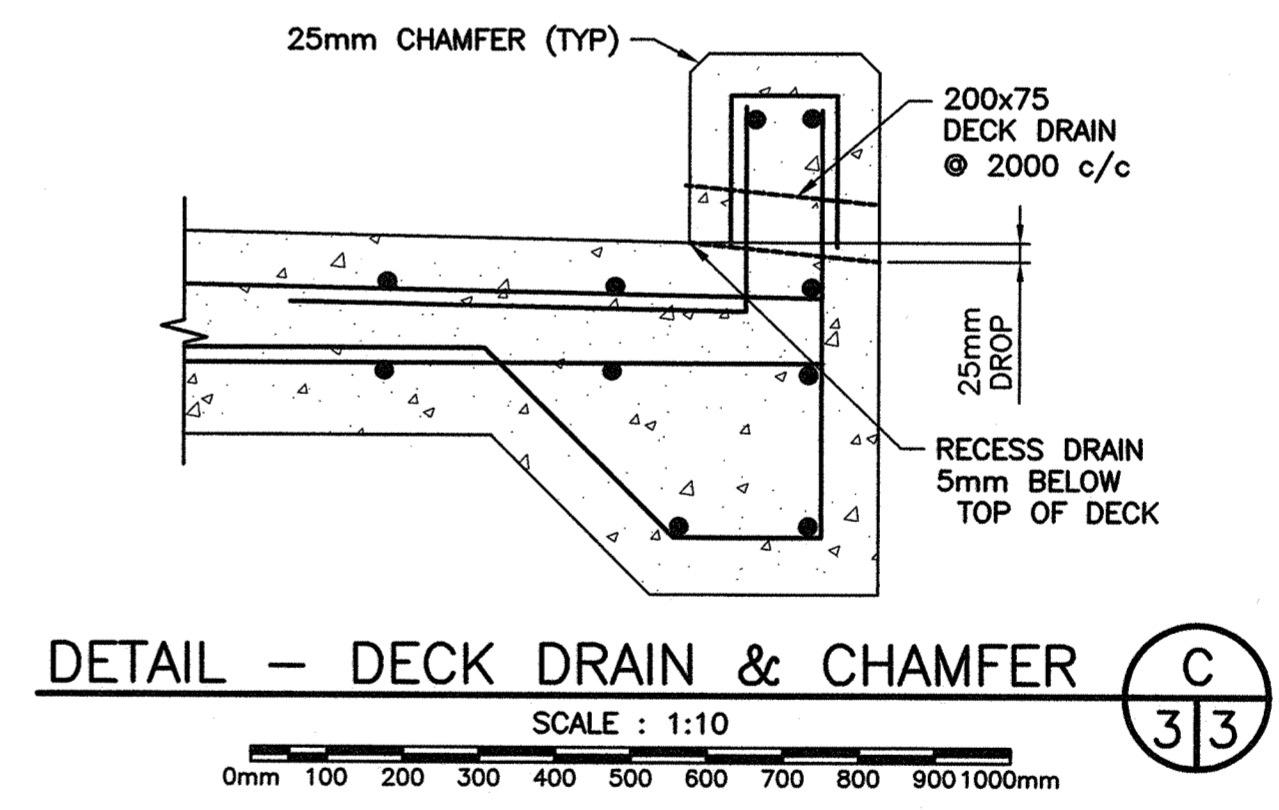
- NOTES: 1. ALL CONCRETE WORK AND METHODS TO CONFORM TO CSA-A23.1-14. 2. COLD WEATHER REQUIREMENTS TO BE CARRIED OUT IN ACCORDANCE WITH CSA-A23.1-14. 3. CONCRETE COMPRESSIVE STRENGTH TO BE 35 MPa AT 28 DAYS...



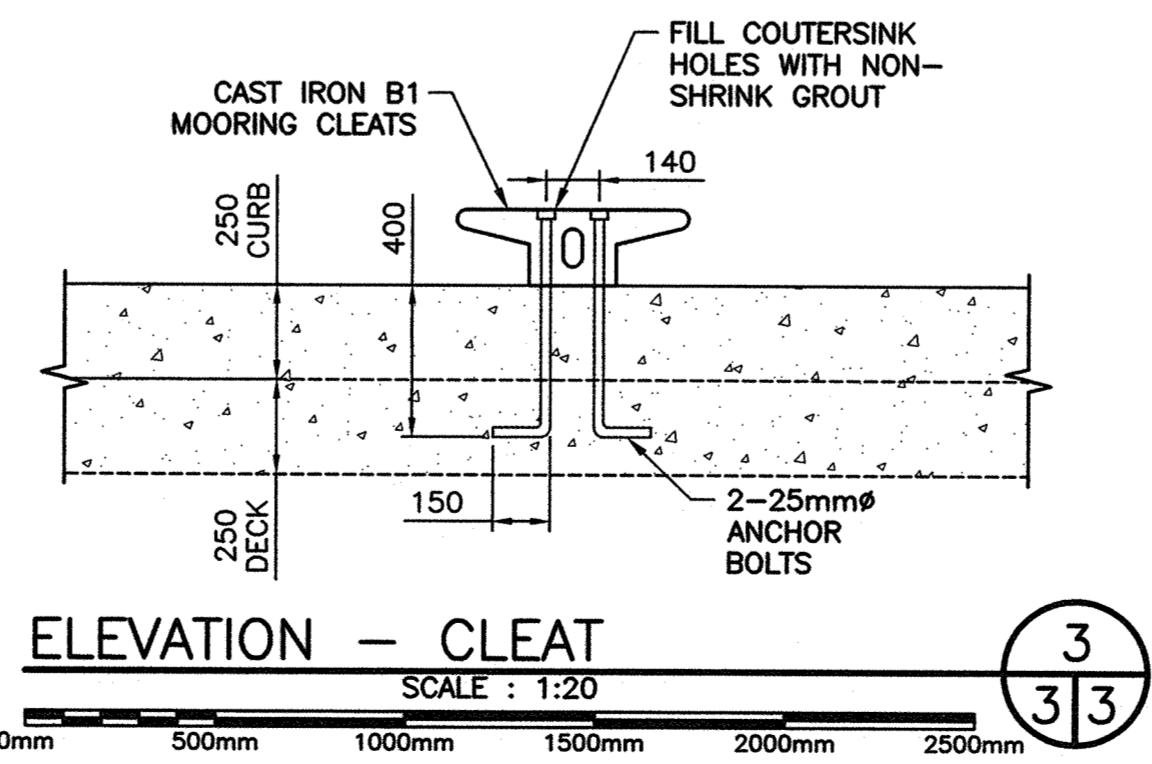
DETAIL - HAUNCH BEAM (B/3/3) SCALE: 1:10



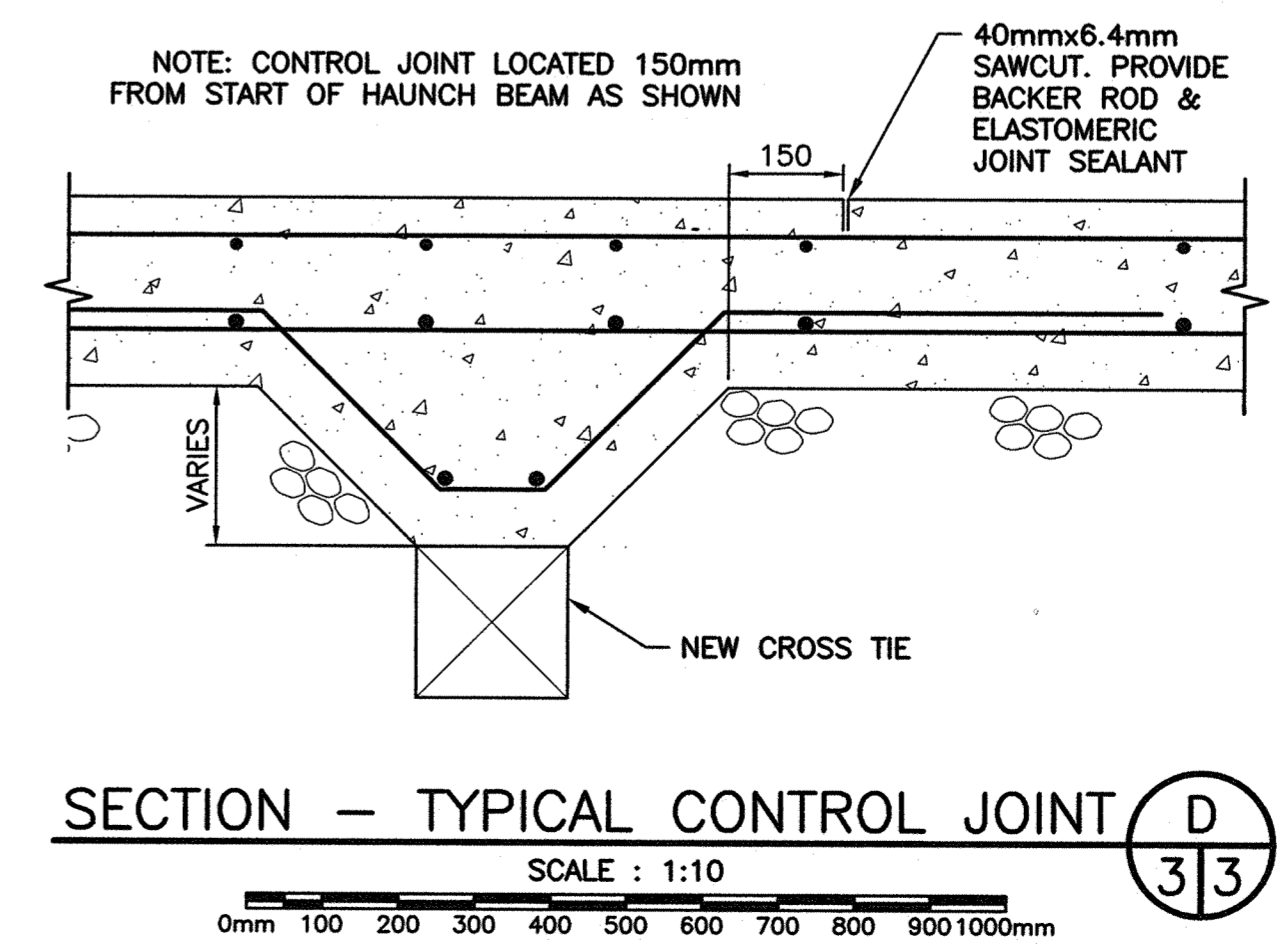
DETAIL - CLEAT (2/3/3) SCALE: 1:20



DETAIL - DECK DRAIN & CHAMFER (C/3/3) SCALE: 1:10



ELEVATION - CLEAT (3/3/3) SCALE: 1:20



SECTION - TYPICAL CONTROL JOINT (D/3/3) SCALE: 1:10

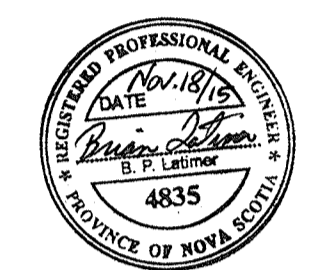
Table with 3 columns: revision, description, date. Includes revisions for tender, 99% design, 50% design, and concept design.

DECK REPLACEMENT STRUCTURE 402 BIG BRAS D'OR VICTORIA COUNTY NOVA SCOTIA

PLAN, SECTIONS, & DETAILS

Table with 2 columns: field, value. Includes designer (B. LATIMER), date (NOVEMBER 18, 2015), drafter (D. FERGUSON), and project number (R.077583.001).





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project \_\_\_\_\_ projet \_\_\_\_\_

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VICTORIA COUNTY  
NOVA SCOTIA**

drawing \_\_\_\_\_ dessin \_\_\_\_\_

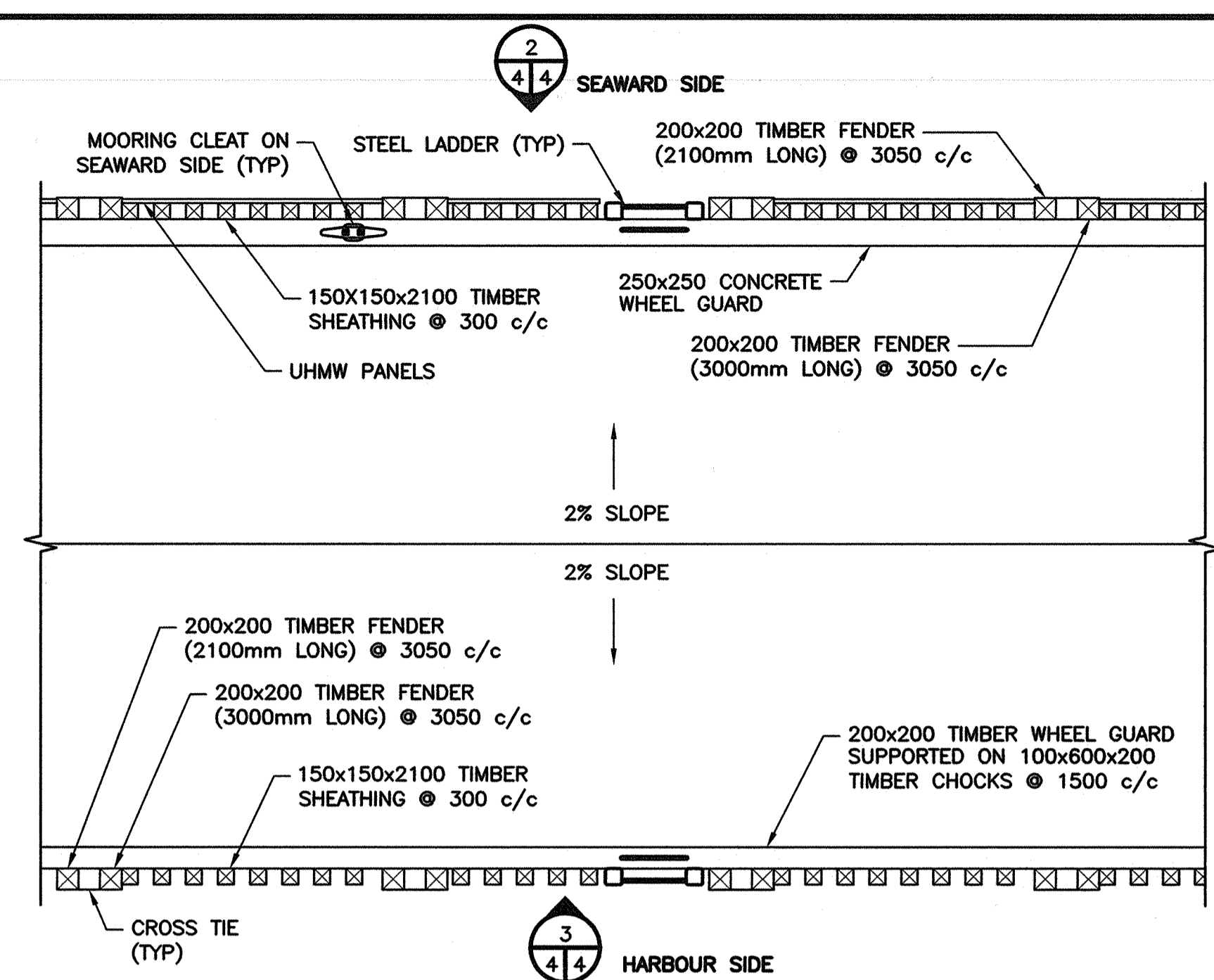
**PLAN, SECTIONS,  
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date NOVEMBER 18, 2015  
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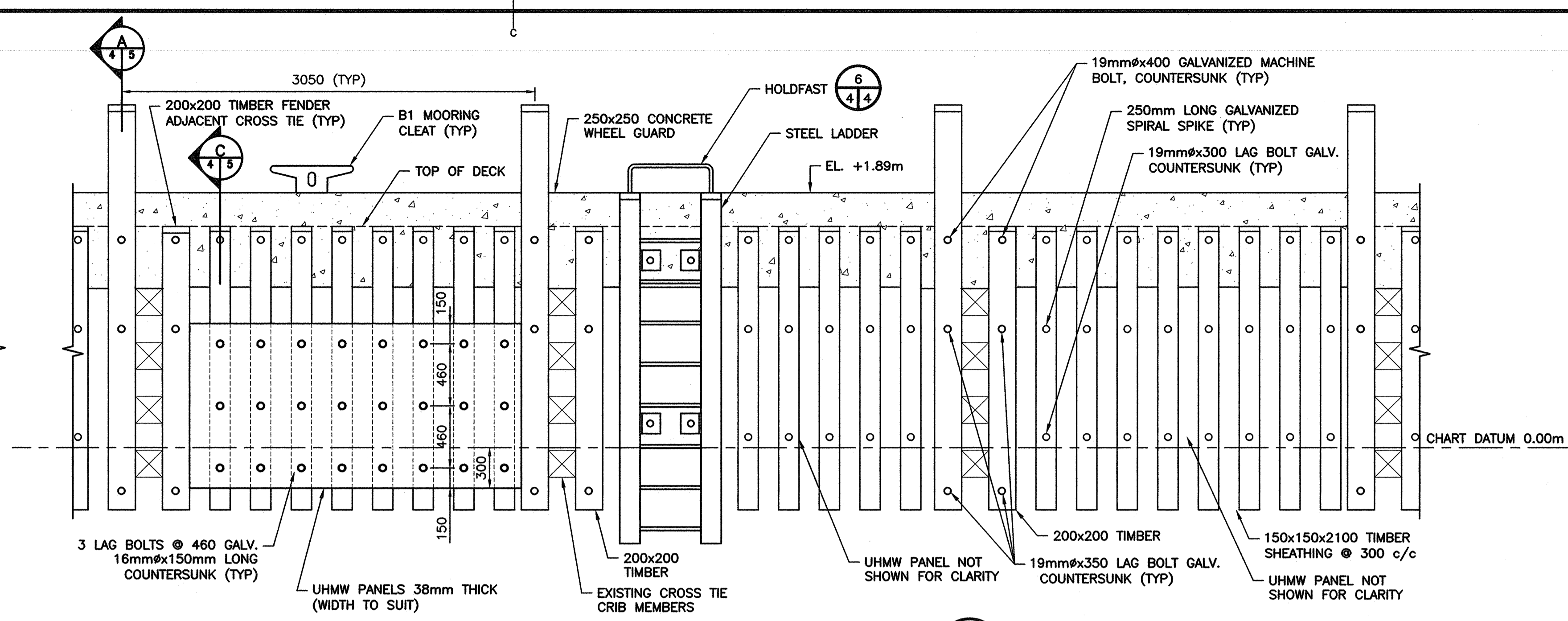
date \_\_\_\_\_  
Tender M. WALSH  
PWSC Project Manager  
date \_\_\_\_\_  
approved \_\_\_\_\_  
date \_\_\_\_\_  
Tender M. WALSH  
PWSC Project Manager  
date \_\_\_\_\_  
approved \_\_\_\_\_

project number R.077583.001 no. du projet

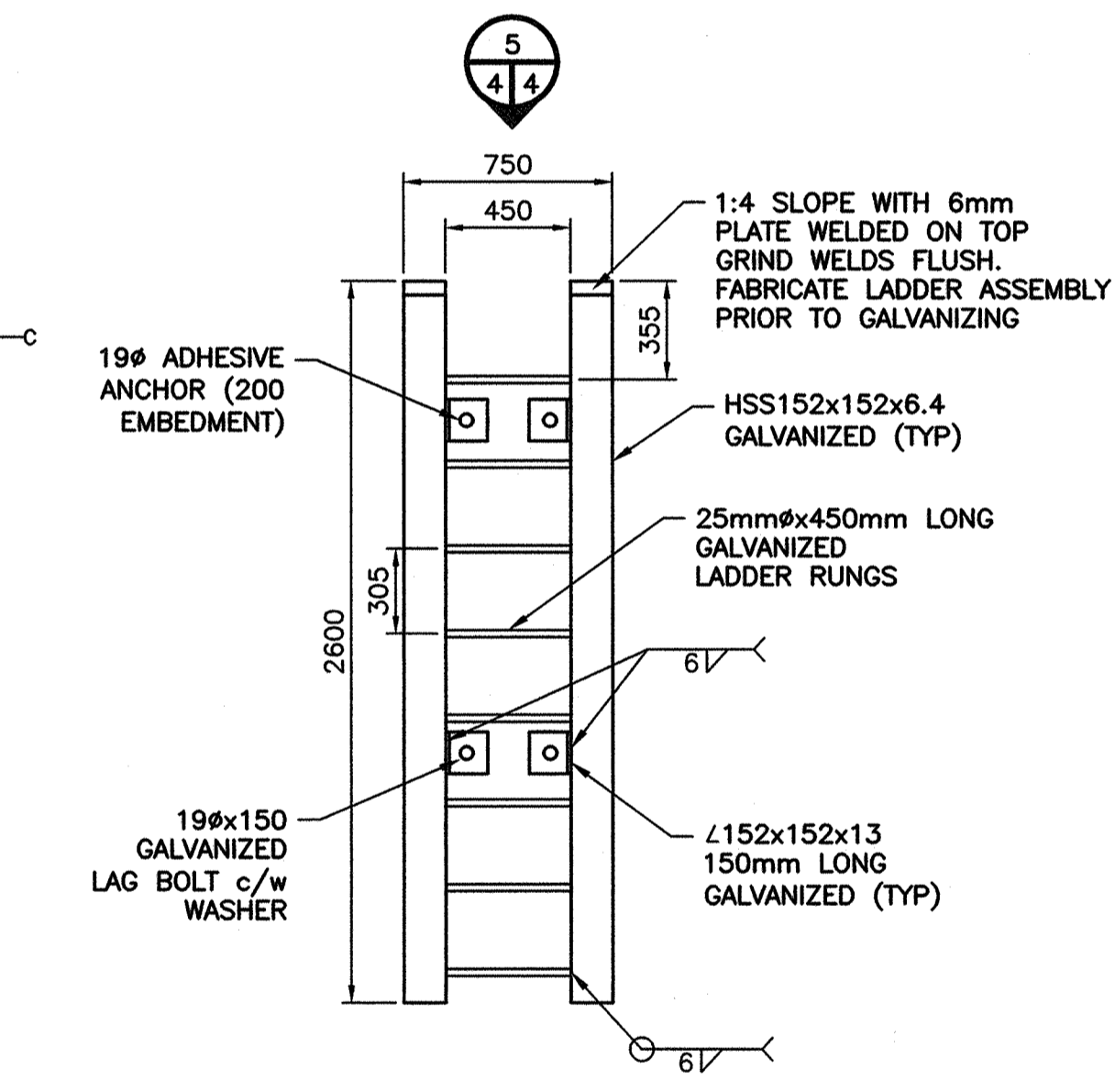
drawing no. S4 OF 6 no. du dessin



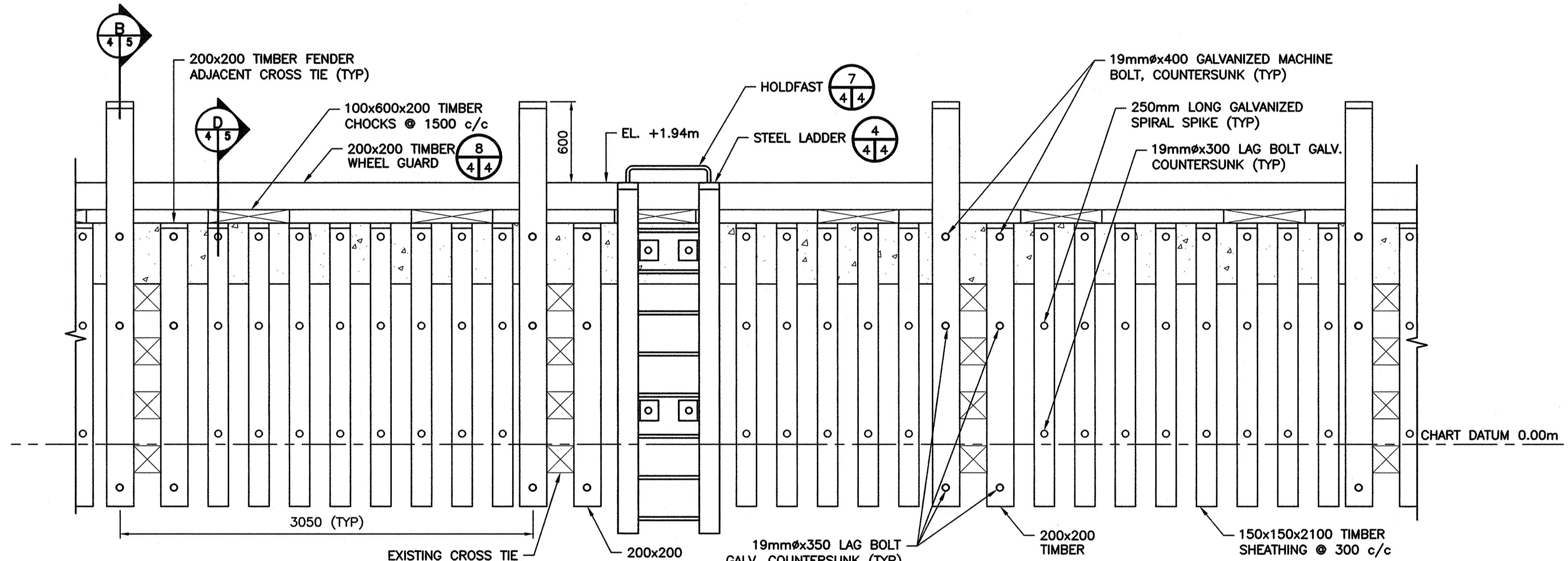
**PLAN - NEW FENDERING/SHEATHING** (1/4)  
SCALE: 1:50



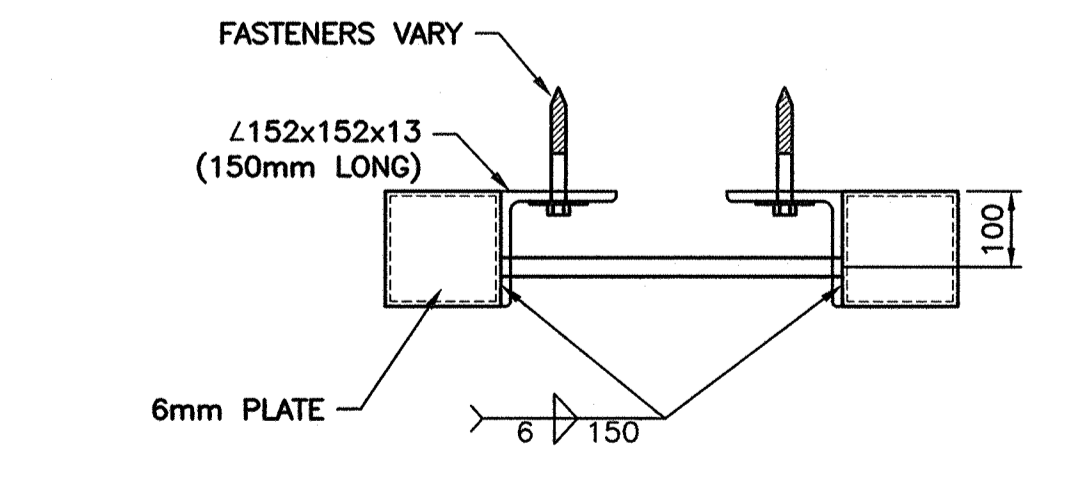
**ELEVATION - SEAWARD SIDE** (2/4)  
SCALE: 1:25



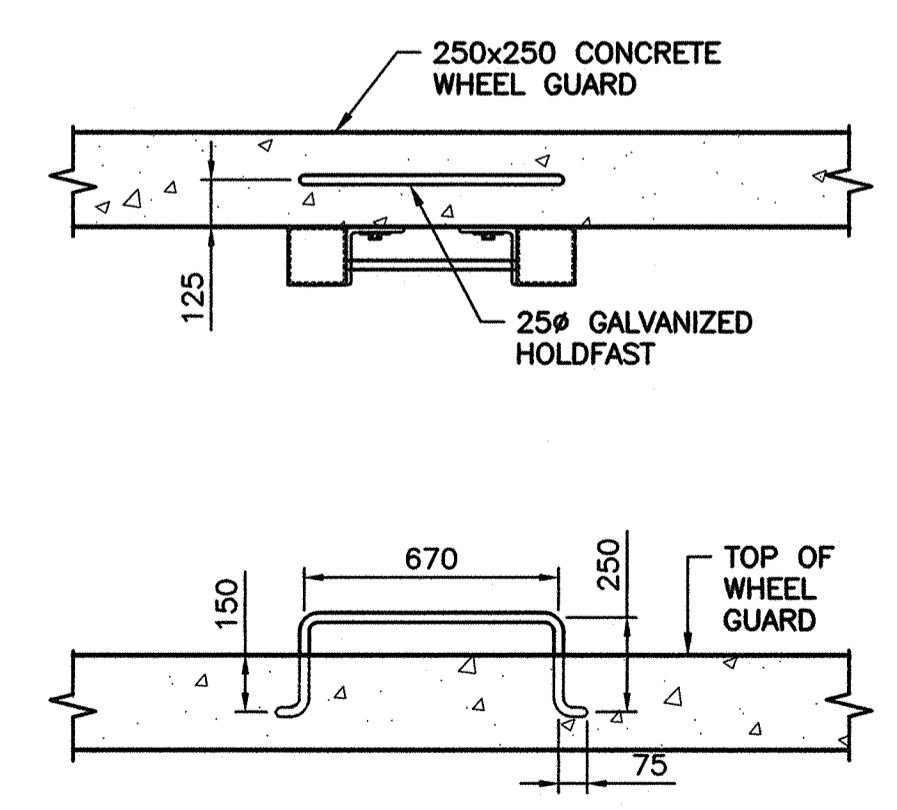
**DETAIL - TYPICAL LADDER** (4/4)  
SCALE: 1:25



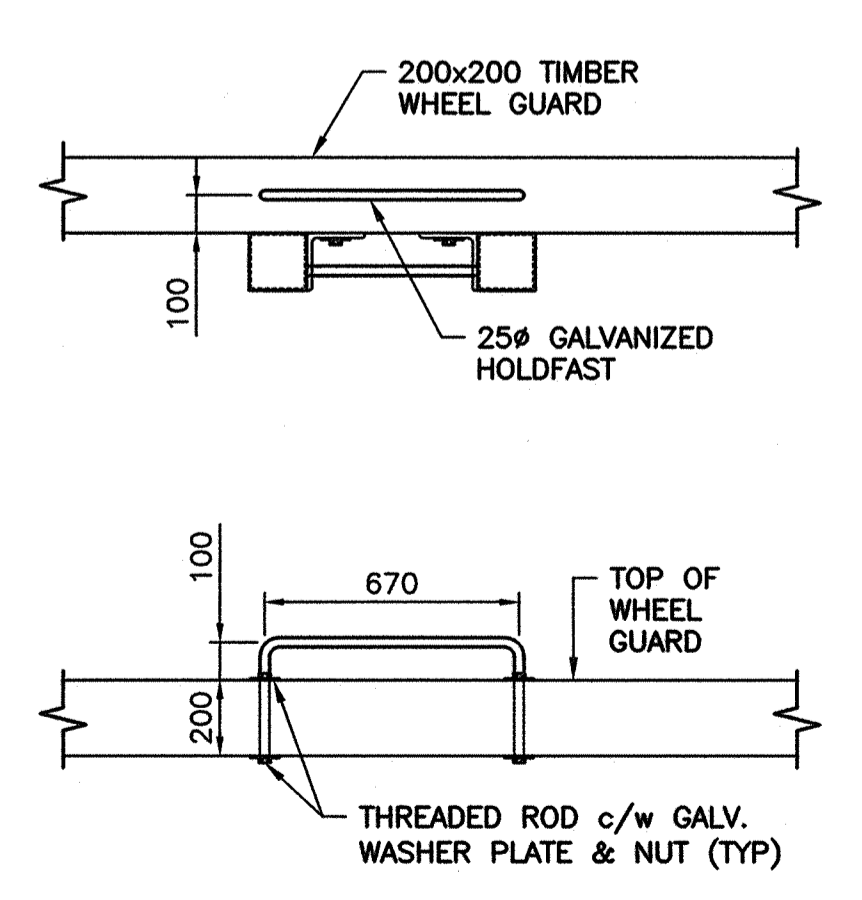
**ELEVATION - HARBOUR SIDE** (3/4)  
SCALE: 1:25



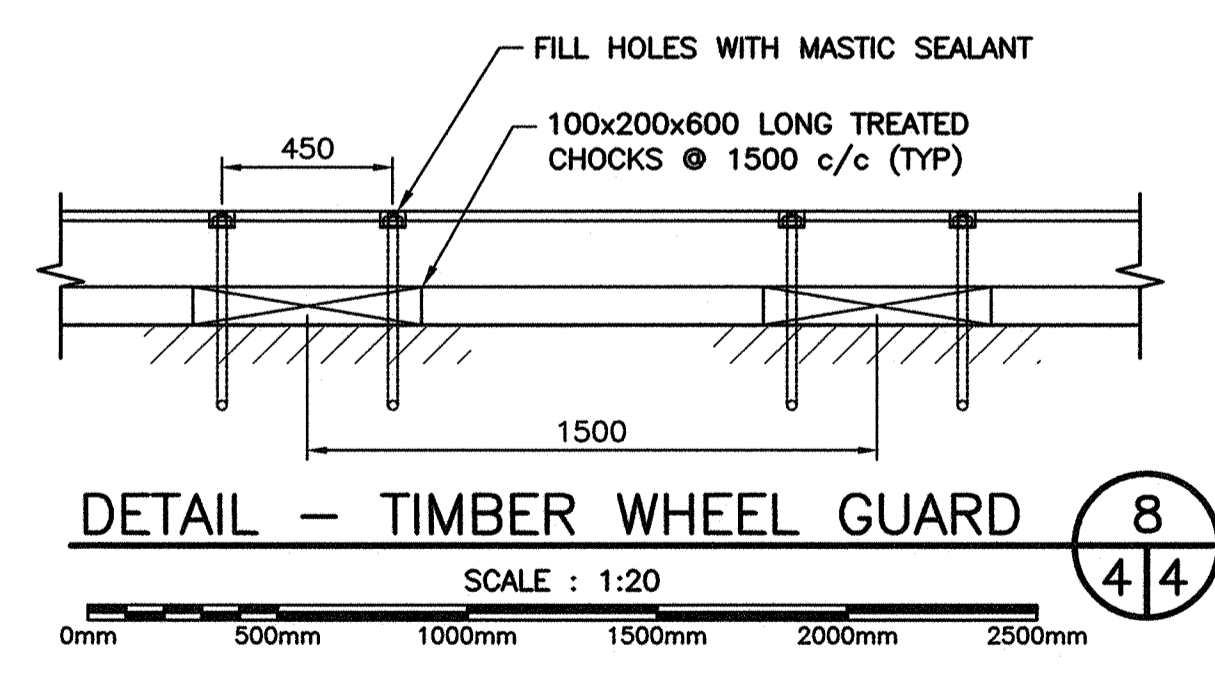
**PLAN - TYPICAL LADDER** (5/4)  
SCALE: 1:10



**DETAIL - CONCRETE CURB HOLDFAST** (6/4)  
SCALE: 1:20

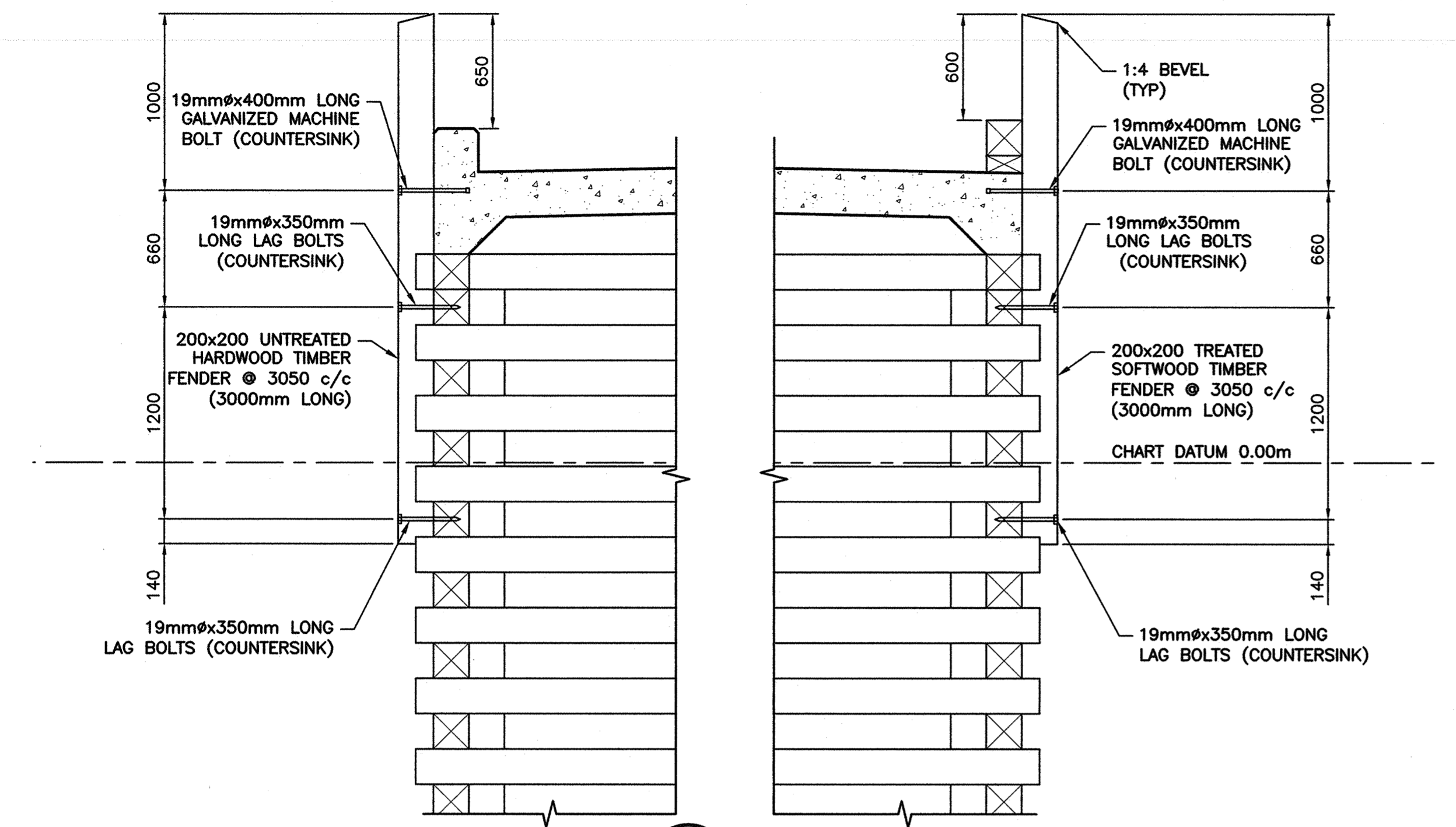
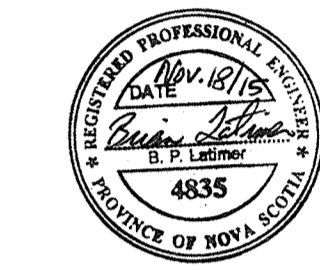


**DETAIL - TIMBER CURB HOLDFAST** (7/4)  
SCALE: 1:20



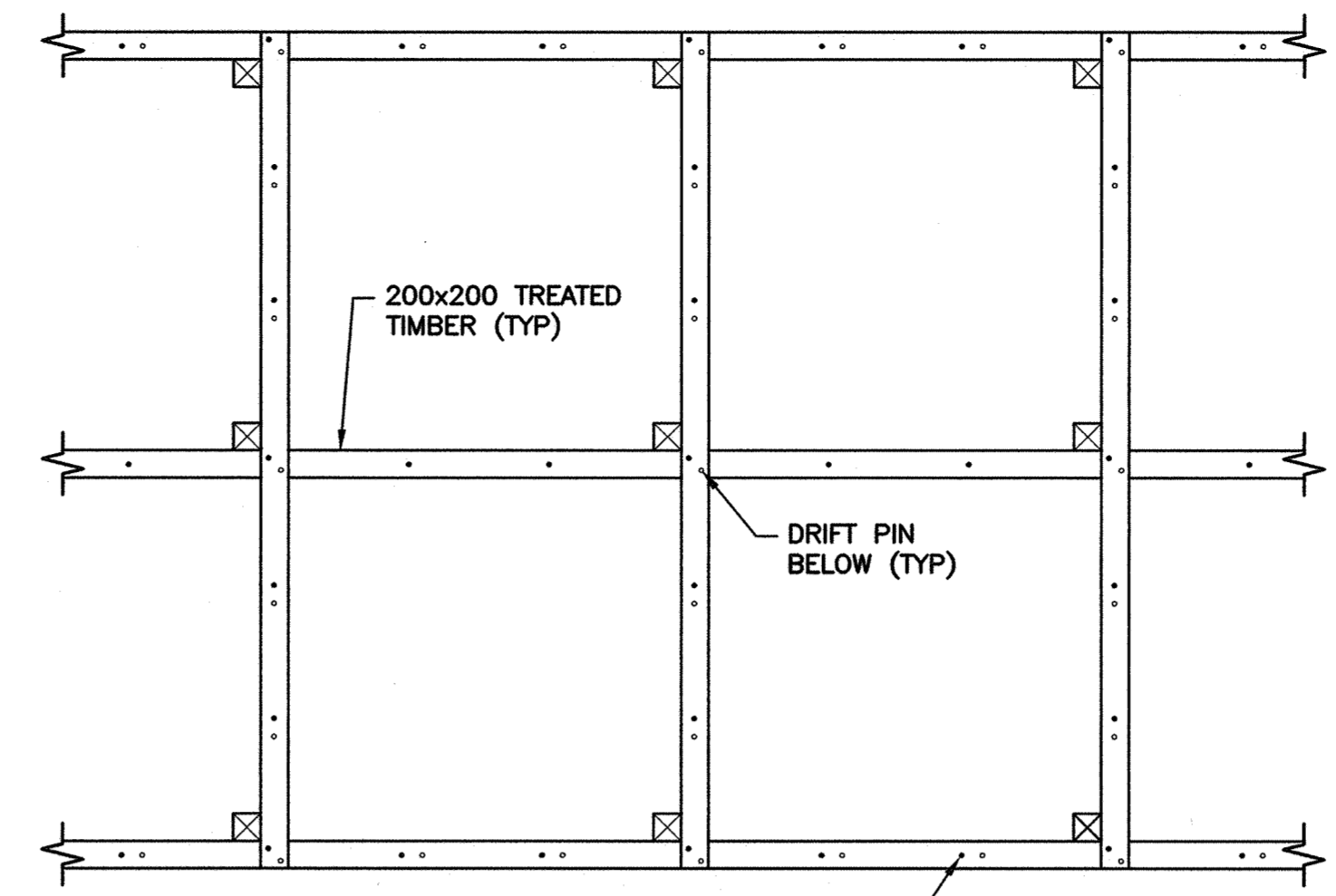
**DETAIL - TIMBER WHEEL GUARD** (8/4)  
SCALE: 1:20

- NOTES:
- UHMW PANELS TO BE 38mm THICK, WIDTH TO SUIT (60m TOTAL LENGTH TO BE INSTALLED).
  - UHMW PANELS ARE TO BE INSTALLED ALONG ENTIRE 54.4m SEAWARD FACE AND 5.6m± AROUND THE 90° CORNER ON THE SOUTH FACE.
  - FOR AREA ALONG SOUTH SEAWARD FACE WHICH DO NOT CONTAIN UHMW PANELS, PROVIDE FULLY CLOSED SHEATHING (100x200x2100 TIMBERS @ 200 c/c). SEE DETAIL 5 ON SHEET S5 FOR CLARITY.

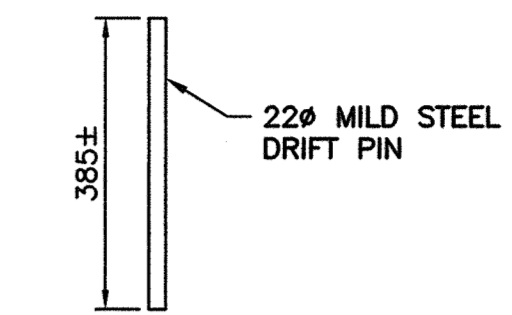


SECTION - FENDERS SEAWARD SIDE (A) SCALE: 1:25

SECTION - FENDERS HARBOUR SIDE (B) SCALE: 1:25

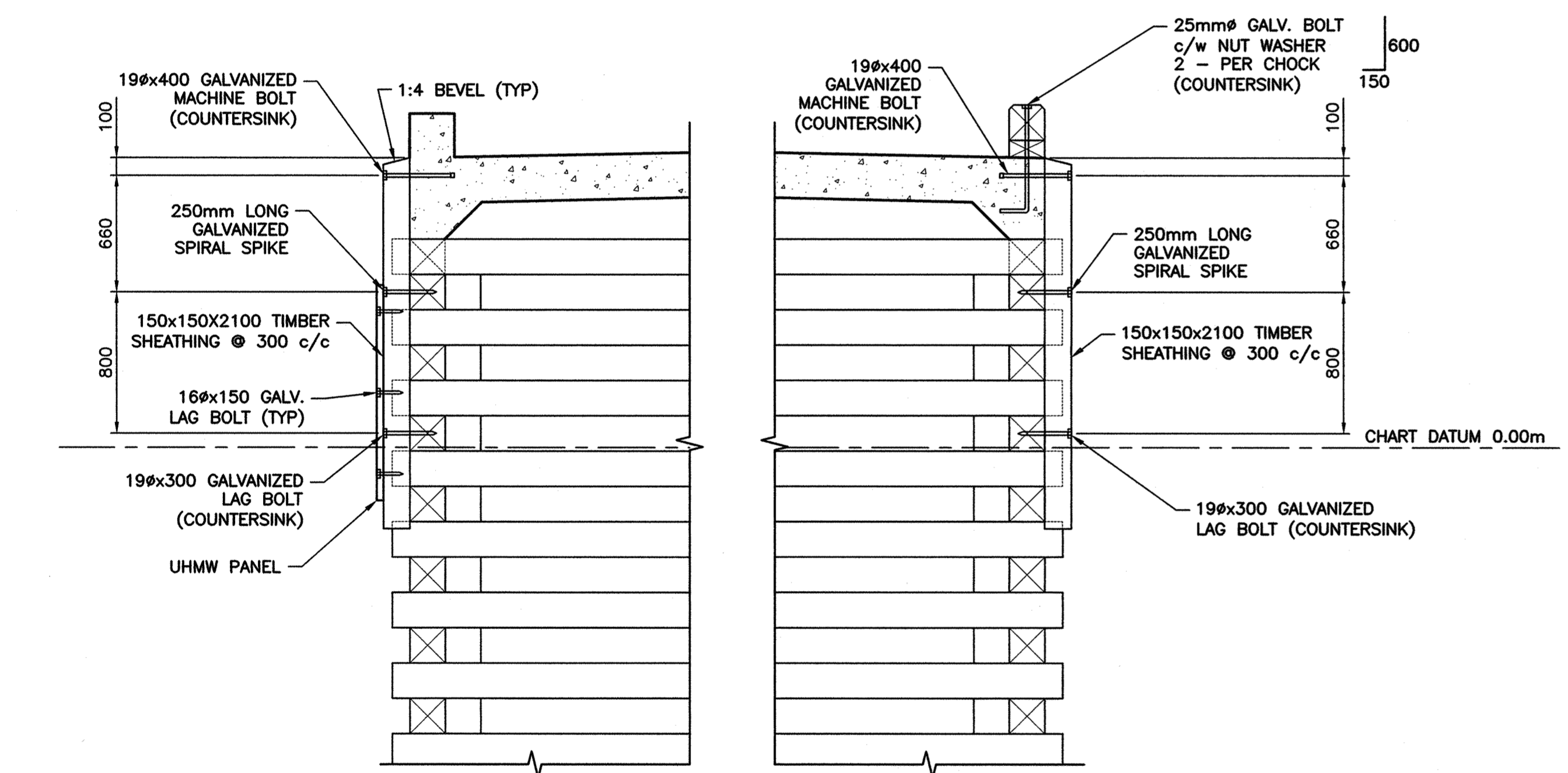


PLAN - NEW CRIB MEMBER INSTALLATION (1) SCALE: 1:50



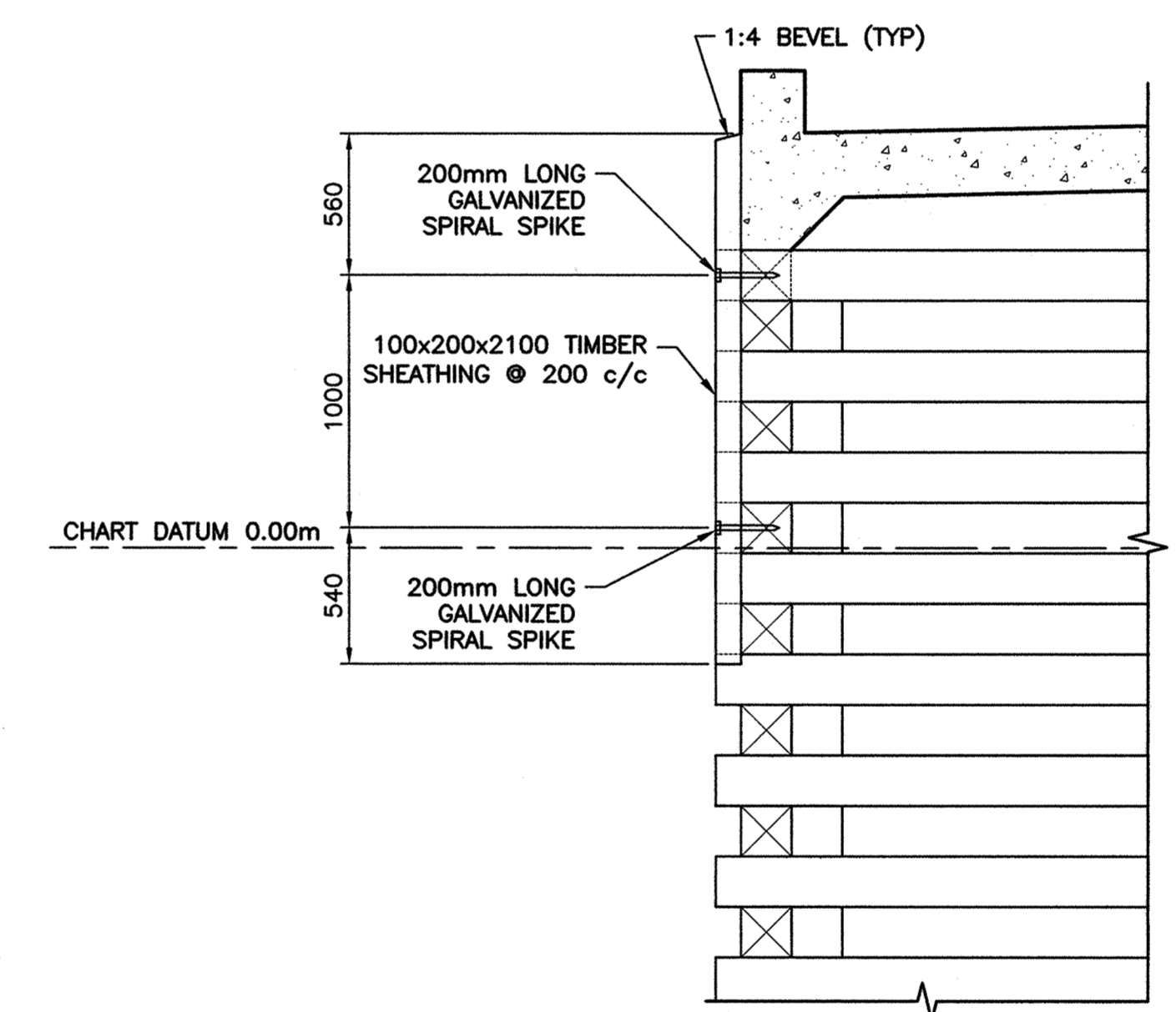
- NOTES:
1. DRILL 20# PILOT HOLES IN TIMBERS.
  2. DRIFT PINS TO FULLY PENETRATE TOP MEMBER AND PENETRATE ALL BUT 15mm OF BOTTOM MEMBER.

DETAIL - DRIFT PIN (2) SCALE: 1:10

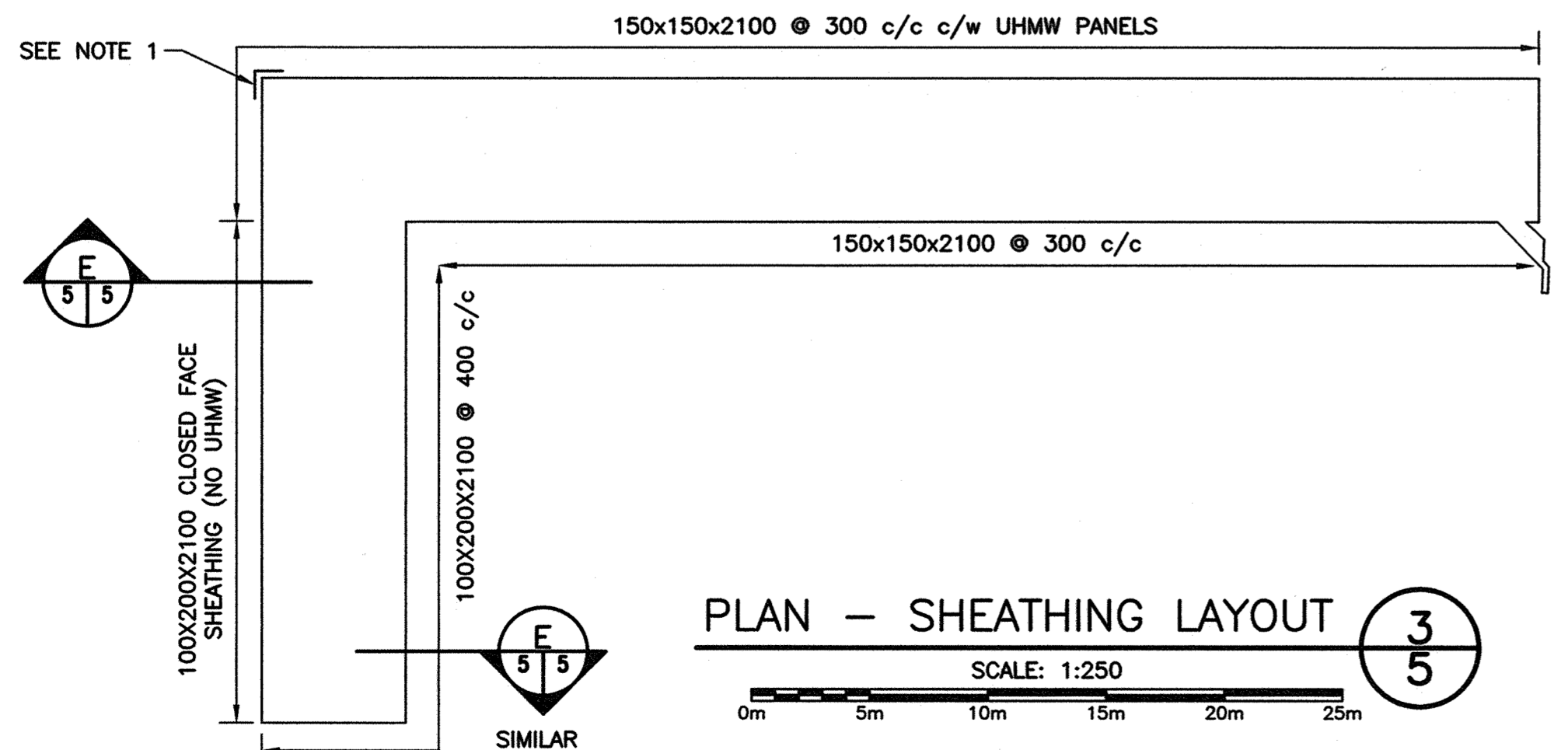


SECTION - SHEATHING SEAWARD SIDE (C) SCALE: 1:25

SECTION - SHEATHING HARBOUR SIDE (D) SCALE: 1:25



SECTION - SHEATHING SEAWARD SIDE (NO UHMW) (E) SCALE: 1:25



PLAN - SHEATHING LAYOUT (3) SCALE: 1:250

- NOTES:
1. EXISTING CORNER UHMW PROTECTION TO BE SALVAGED.
  2. SEAWARD FACE WITH NO UHMW PANELS (CLOSED FACED SHEATHING) SHALL HAVE THE SAME FENDERS AS SEAWARD FACE WITH UHMW PANELS.

|           |                          |             |
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drawing design

SECTIONS & DETAILS

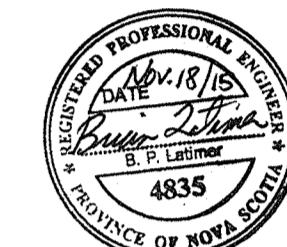
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date NOVEMBER 18, 2015  
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Tender M. WALSH  
PWGSC Project Manager Administrateur de projets TPSGC  
project number no. du projet

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project DECK REPLACEMENT STRUCTURE 402 BIG BRAS D'OR VICTORIA COUNTY NOVA SCOTIA

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PWGSC Project Manager Administrateur de projets TPSGC  
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drawing no. S6 OF 6

no. du projet  
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