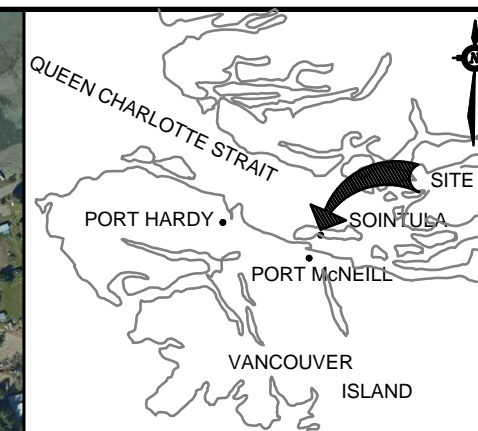


## REPAIR LEGEND

- |     |  |      |   |
|-----|--|------|---|
| 1.2 | Supply & Install Guard and Handrail          | 2.9  | Remove and Replace Wharf Cap                |
| 2.1 | Supply, Remove & Replace Wharf Bearing Piles | 2.10 | Remove and Replace Cross-Bracing            |
| 2.2 | Supply, Remove & Replace Wharf Fender Pile   | 2.11 | Supply, Remove & Replace Fender Pile Straps |
| 2.3 | Remove and Replace Bull Rail & Risers        | 2.12 | Supply, Remove & Replace Batter Pile Straps |
| 2.4 | Remove and Replace Flanges                   | 2.13 | Remove & Replace Pile Group Blocking        |
| 2.5 | Remove and Replace Decking                   |      |   |
| 2.6 | Remove and Replace Rubboard                  |      |   |
| 2.7 | Install 1.1x1.1x0.6m Fibreglass Pontoons     |      |   |
| 2.8 | Install 1.1x2.4x0.6m Fibreglass Pontoons     |      |   |



AERIAL VIEW



LOCATION

Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
Canada

REAL PROPERTY SERVICES

Western Region

SERVICES IMMOBILIERS  
Région de l'ouest

**DO NOT SCALE DRAWINGS**

Revision /	Description / Translation	Date / Due

Revision/Revision	Description/Description	Date/Date
Client/client		

**Fisheries & Oceans Canada  
Small Craft Harbours Branch  
Pacific Division**

200 - 401 Burrard Street  
Vancouver, Canada, V6C 3S4

Project title/Titre du projet

# SOINTULA SMALL CRAFT HARBOUR WHARF & FLOAT RECONSTRUCTION

Approved by/Approuve par  
M.B.

Designed by/Concept par  
J.A.

Drawn by/Dessine par  
WSL

PWGSC Project Manager/Administrateur de Projets TPSGC

**PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSGC**

**Client/client**

Drawing title/Titre du dessin

## GENERAL ARRANGEMENT

Project No./No. du projet

**SOIN-WR**

Sheet/Feuille

001

OF

Revision no. /

La Révision no.

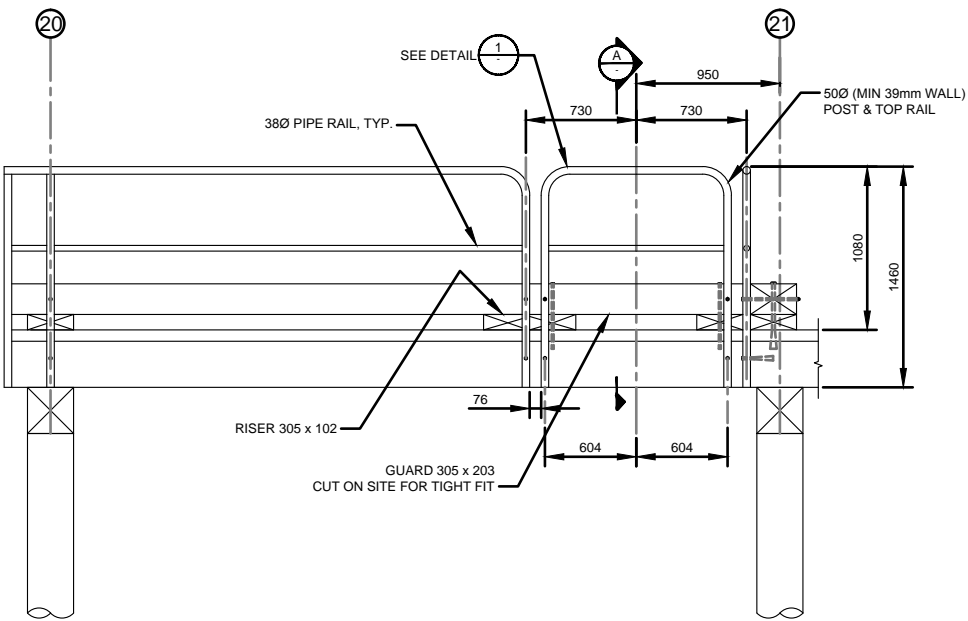
114

1

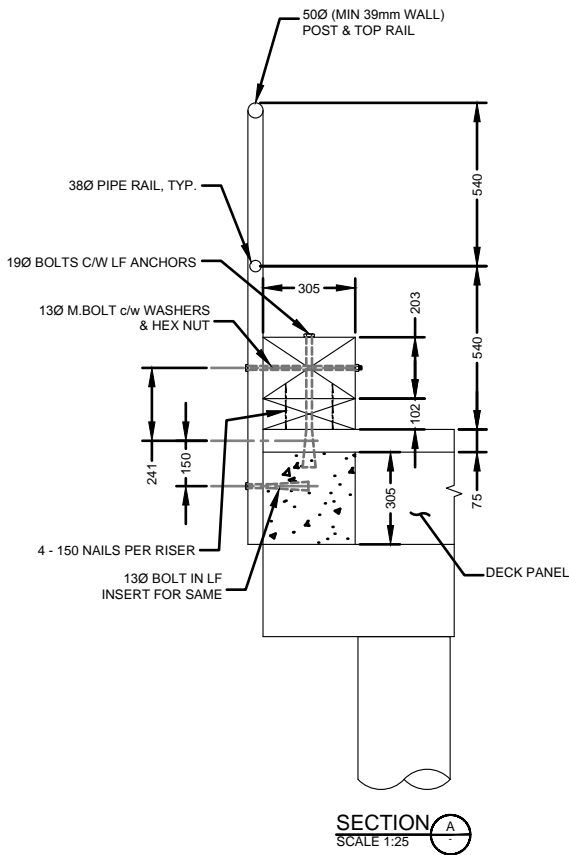
## DRAWING NOTES

- 1) All dimensions in meters, unless noted otherwise.
- 2) Background drawing by TetraTech, February 2017.
- 3) The location of Floatation (Items 2.7 & 2.8), and Flanges (Item 2.4) have been approximated for bid purpose. Actual locations to be provided after award.
- 4) Refer to SOIN-WR-003 & SOIN-WR-004 for bent and row references.

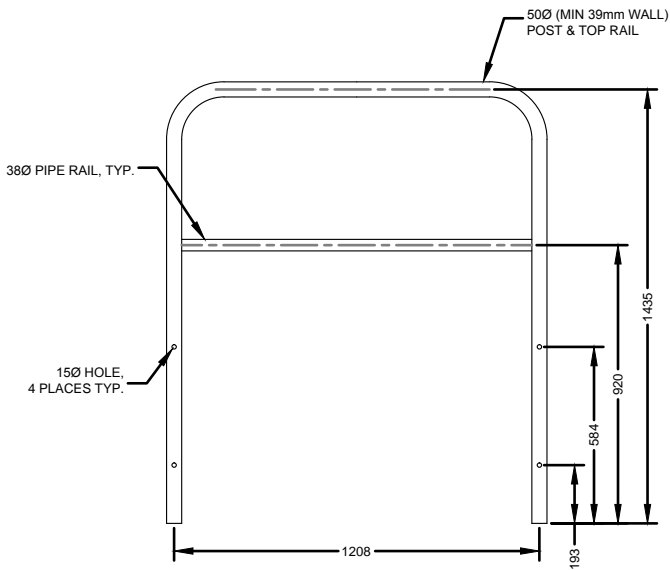




ELEVATION  
SCALE 1:50



SECTION A-A  
SCALE 1:25



DETAIL 1  
SCALE 1:25

NOTE:  
1. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO FABRICATION

DO NOT SCALE DRAWINGS

Revision/ Révision	Description/Description	Date/Date
-----------------------	-------------------------	-----------

Client/client

Fisheries & Oceans Canada  
Small Craft Harbours Branch  
Pacific Division

200 - 401 Burrard Street  
Vancouver, Canada, V6C 3S4

Project title/Titre du projet

SOINTULA  
SMALL CRAFT HARBOUR  
WHARF & FLOAT RECONSTRUCTION

Approved by/Approuvé par  
M.B.

Designed by/Concept par  
J.A.

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PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client

Drawing title/Titre du dessin

GUARD AND HANDRAIL DETAIL

Project No./No. du projet

SOIN-WR

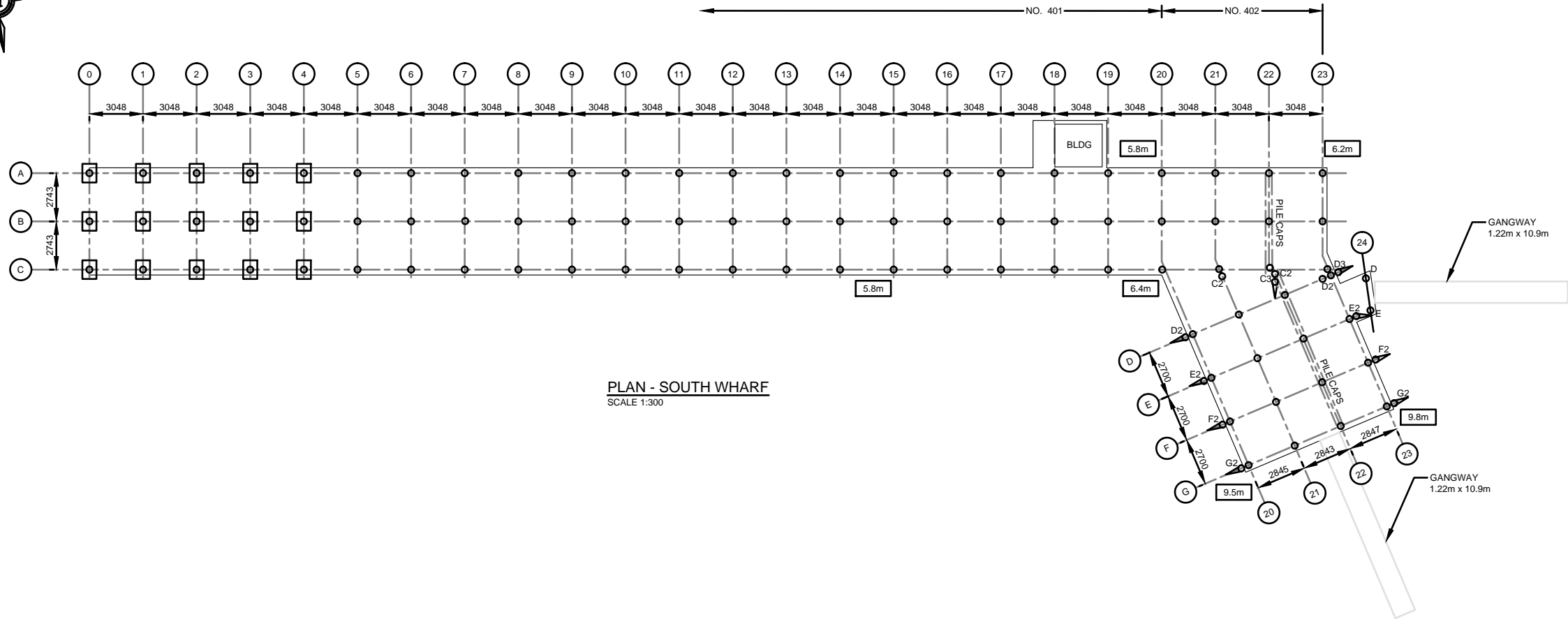
Sheet/Feuille

002

OF

Revision no./  
La Révision no.





PLAN - SOUTH WHARF  
SCALE 1:300

DO NOT SCALE DRAWINGS

Revision/ Révision	Description/Description	Date/Date
-----------------------	-------------------------	-----------

Client/client

Fisheries & Oceans Canada  
Small Craft Harbours Branch  
Pacific Division

200 - 401 Burrard Street  
Vancouver, Canada, V6C 3S4

Project title/Titre du projet

SOINTULA  
SMALL CRAFT HARBOUR  
WHARF & FLOAT RECONSTRUCTION

Approved by/Approuvé par  
M.B.

Designed by/Concept par  
J.A.

Drawn by/Dessiné par  
WSL

PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client

Drawing title/Titre du dessin

SOUTH WHARF LAYOUT

Project No./No. du projet

SOIN-WR

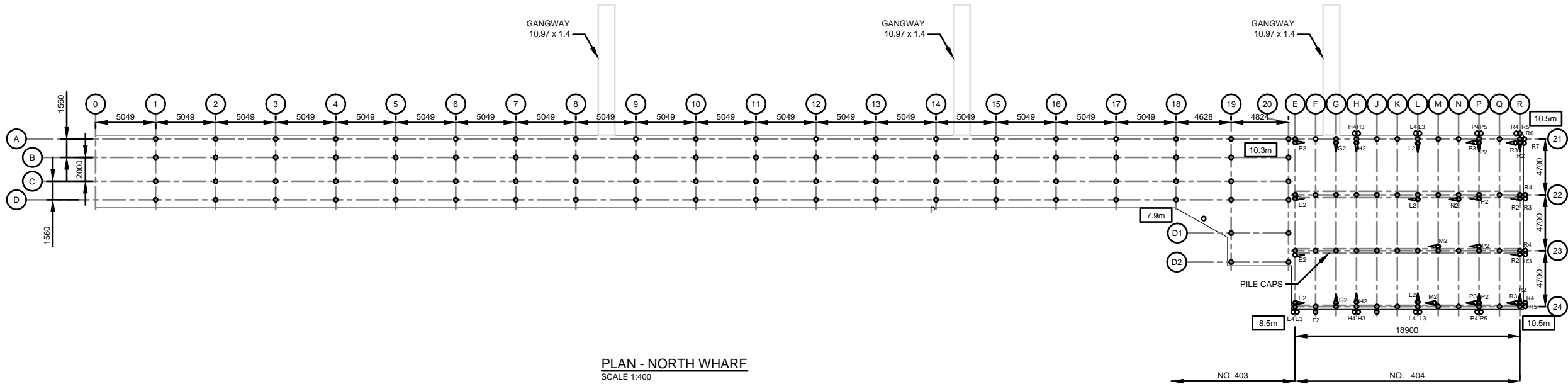
Sheet/Feuille

003

OF

Revision no./  
La Révision no.





DO NOT SCALE DRAWINGS

Revision/ Révision	Description/Description	Date/Date
-----------------------	-------------------------	-----------

Client/client

Fisheries & Oceans Canada  
Small Craft Harbours Branch  
Pacific Division

200 - 401 Burrard Street  
Vancouver, Canada, V6C 3S4

Project title/Titre du projet

SOINTULA  
SMALL CRAFT HARBOUR  
WHARF & FLOAT RECONSTRCUTION

Approved by/Approuvé par  
M.B.

Designed by/Concept par  
J.A.

Drawn by/Dessiné par  
WSL

PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client

Drawing title/Titre du dessin

NORTH WHARF LAYOUT

Project No./No. du projet

SOIN-WR

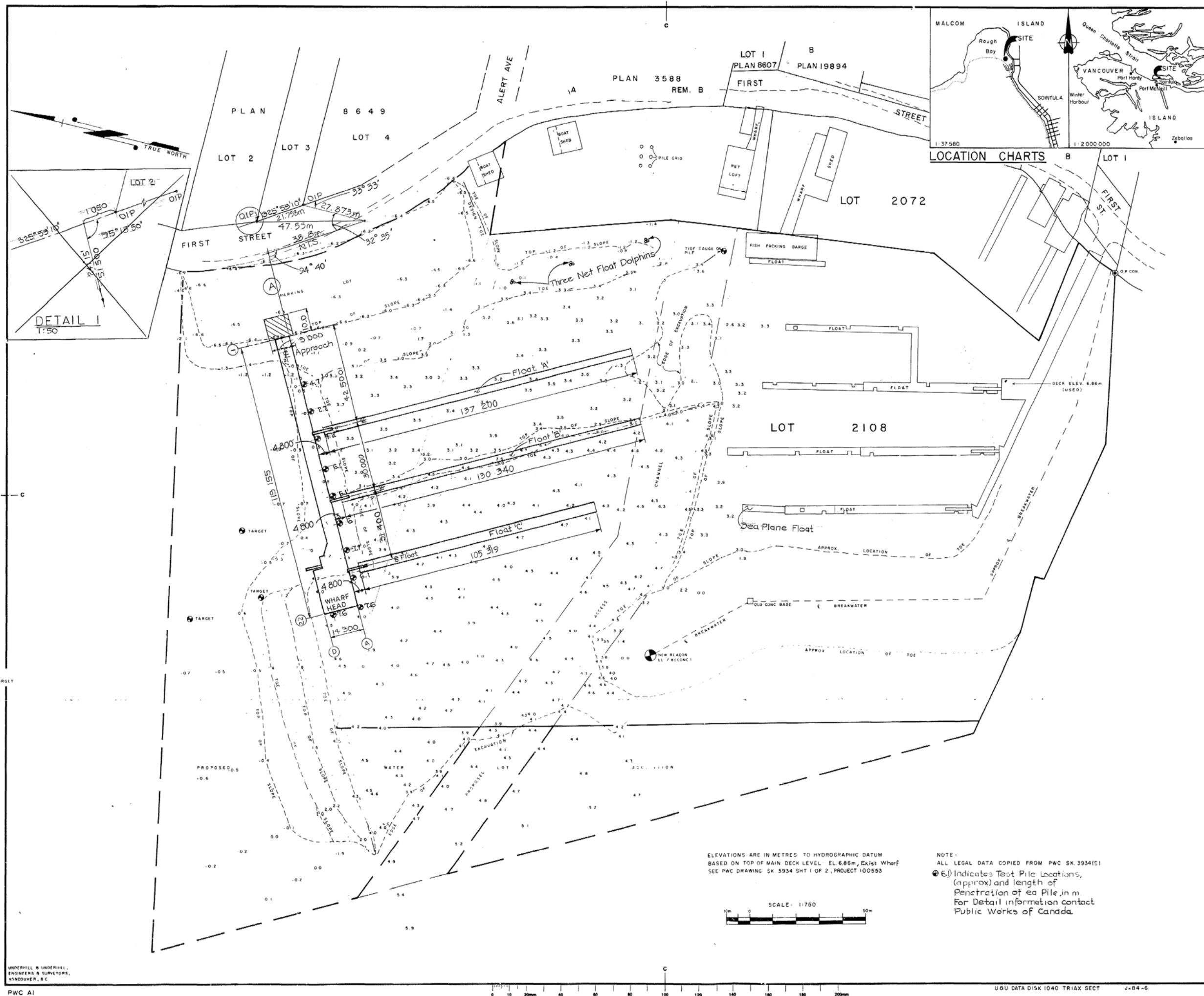
Sheet/Feuille


004

OF

Revision no./  
La Révision no.



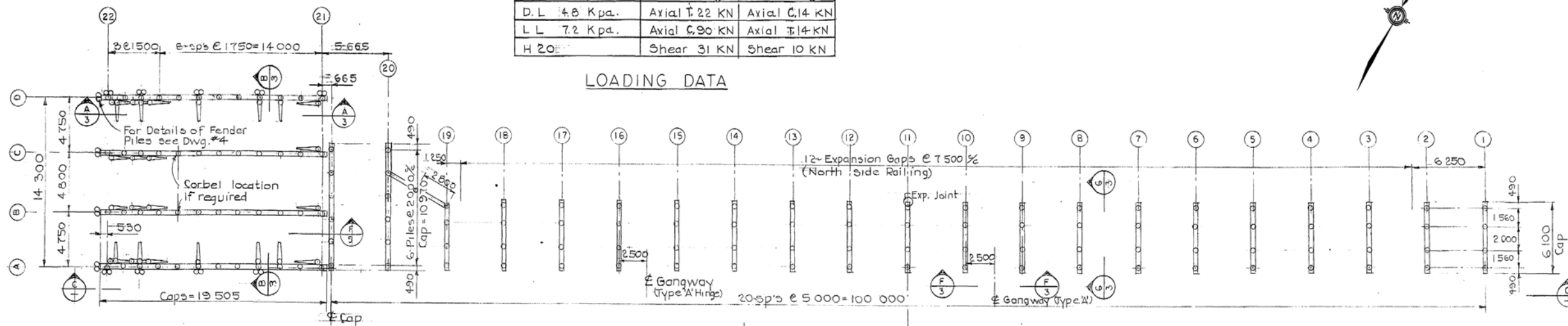


 Public Works Canada / Travaux publics Canada													
Pacific Region													
Fisheries and Oceans Canada													
As Built, 85-06-26													
revisions	date												
<table><tr><td>A</td><td>A detail no. / no. du détail</td></tr><tr><td>C</td><td>B location drawing no. / sur dessin no.</td></tr><tr><td></td><td>C drawing no. / dessin no.</td></tr></table>	A	A detail no. / no. du détail	C	B location drawing no. / sur dessin no.		C drawing no. / dessin no.	<table><tr><td>A</td><td>A detail no. / no. du détail</td></tr><tr><td>B</td><td>B location drawing no. / sur dessin no.</td></tr><tr><td>C</td><td>C drawing no. / dessin no.</td></tr></table>	A	A detail no. / no. du détail	B	B location drawing no. / sur dessin no.	C	C drawing no. / dessin no.
A	A detail no. / no. du détail												
C	B location drawing no. / sur dessin no.												
	C drawing no. / dessin no.												
A	A detail no. / no. du détail												
B	B location drawing no. / sur dessin no.												
C	C drawing no. / dessin no.												
project / projet													
SOINTULA, BC BOAT HARBOUR EXPANSION PHASE II													
drawing / dessin													
SITE PLAN													
designed													
date													
drawn / dessiné													
date													
reviewed / examiné													
date													
approved / approuvé													
date													
Tender / Soumission													
PWC Project Manager / Administrateur de projets TPC													
project number / no. du projet													
100553-370619													
drawing no. / no. du dessin													
1 of 8													

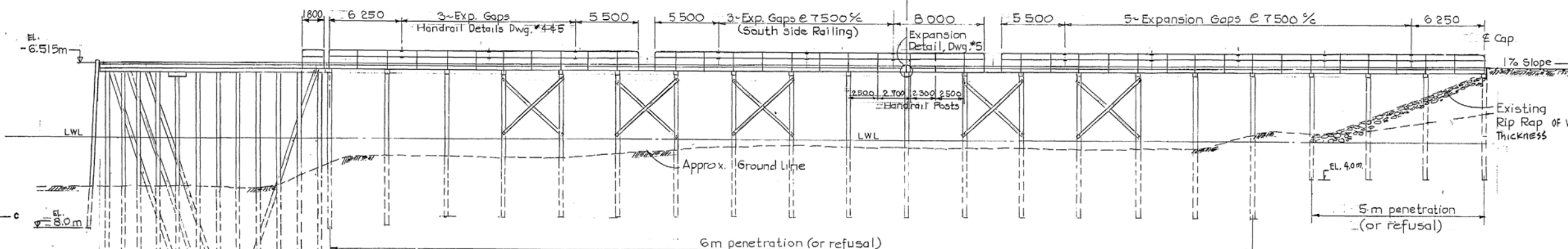
12/1-8)

Approach & Wharf	Derrick Leg 'A'	Derrick Leg 'B'
D.L. 4.8 Kpa.	Axial 122 KN	Axial 114 KN
L.L. 7.2 Kpa.	Axial 190 KN	Axial 114 KN
H 20	Shear 31 KN	Shear 10 KN

# LOADING DATA



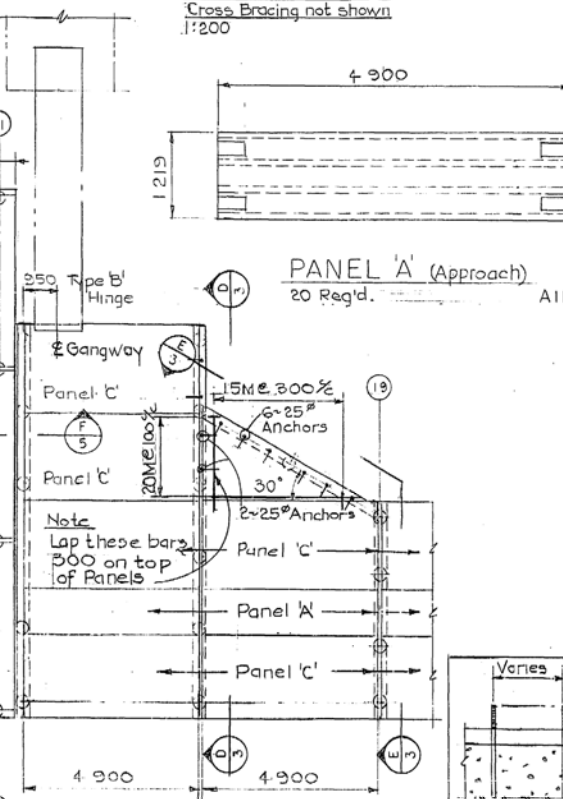
## PILES & CAPS PLAN 1:200 (Decking & Bracing not shown)



## ELEVATION 1:200 Cross Bracing not shown

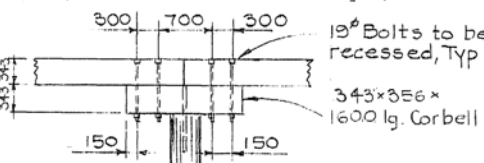
Note:  
All Piles to be #36  
Creosoted  
All Caps 343x356, creosoted  
For Bracings see Dwg. #3

## PANEL 'A' (Approach) 20 Req'd.

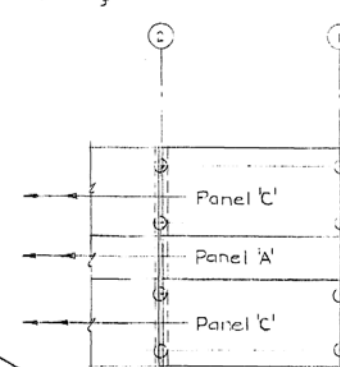


## PANEL B (Wharf) 1:50 24 Req'd (including B2 & B3)

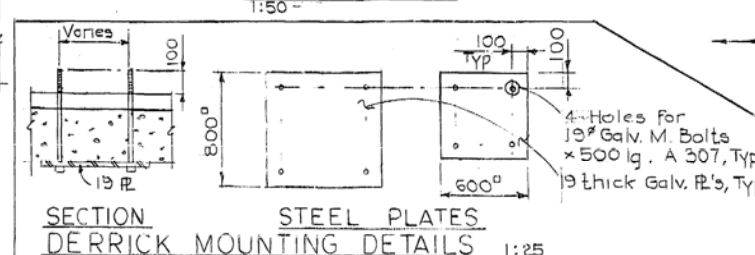
Note:  
Perimeter 'C' Panels to have Edge Void filled and provided with smooth Edge finish



## PANEL C (Approach) 42 Required

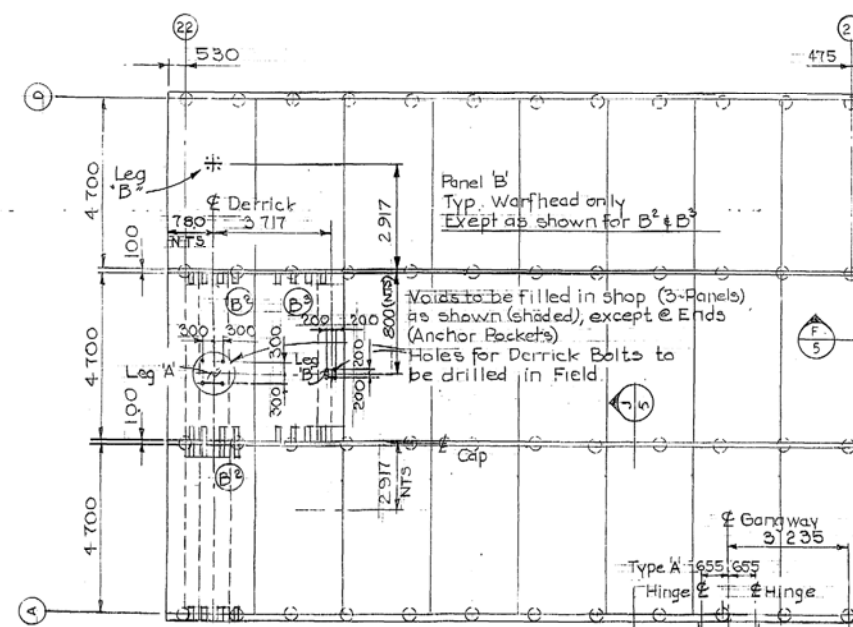


## CORBEL DETAIL 1:50



## APPROACH DECKING 1:100

## WARFHEAD DECKING 1:100



## SOINTULA, BC BOAT HARBOUR EXPANSION PHASE II

## PILES, CAPS AND DECKING DETAILS

1212-81



△ Crown EL Revised Sept/84

As Built, 85-06-26

revisions date

A detail no. no. du détail  
B location drawing no. sur dessin no.  
C drawing no. dessin no.

project project

SOINTULA, BC  
BOAT HARBOUR  
EXPANSION  
PHASE II

drawing dessin

SECTIONS

designed D.C. & E.M. conçu

date July-84

drawn E.H. Mollner dessiné

date July-84

reviewed examiné

date

approved approuvé

date

Tender Soumission

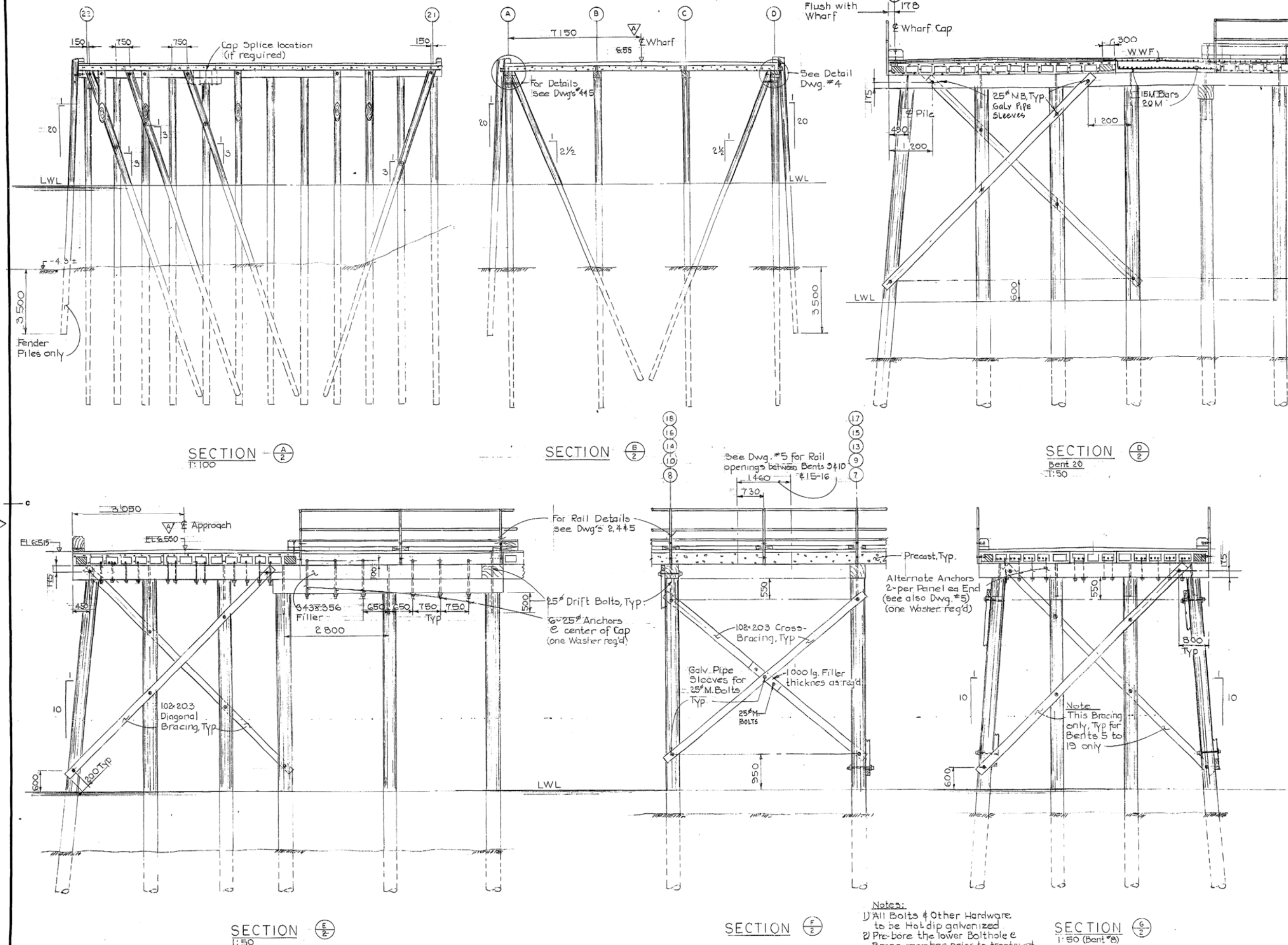
PWC Project Manager Administrateur de projets TPC

project number no. du projet

100553-370619

drawing no. no. du dessin

3 of 8



△ Crown EL Revised Sept/84  
also Fender Stay Chain.

AS BUILT 85-06-26

revisions

A detail no.  
no. du détail  
B location drawing no.  
sur dessin no.  
C drawing no.  
dessin no.

project

SOINTULA, BC  
BOAT HARBOUR  
EXPANSION  
PHASE II

drawing

FENDER SYSTEM

designed D.C. & E.M. conçu

date July 84

drawn E.H. Moliner dessiné

date July-84

reviewed examiné

date

approved approuvé

date

Tender Soumission

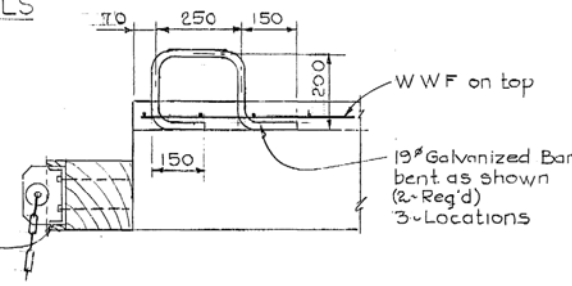
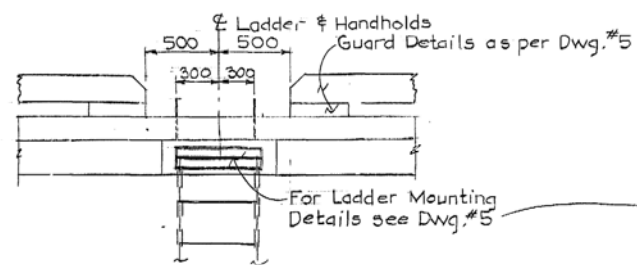
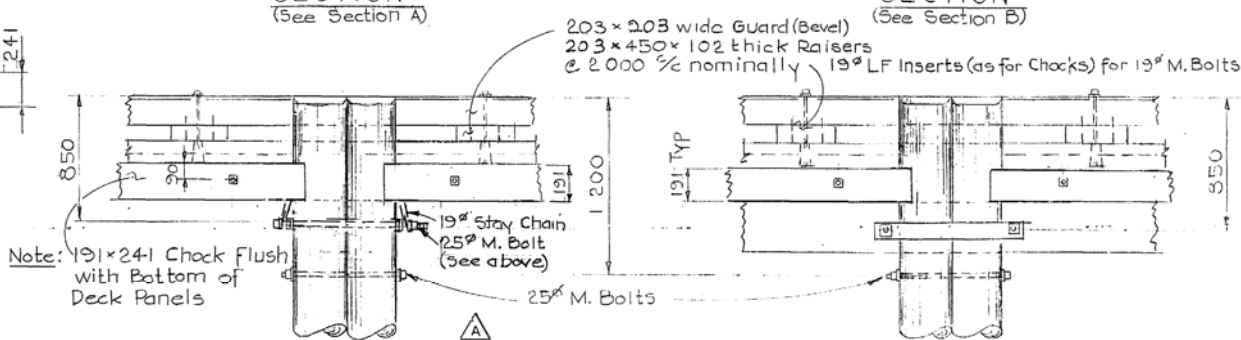
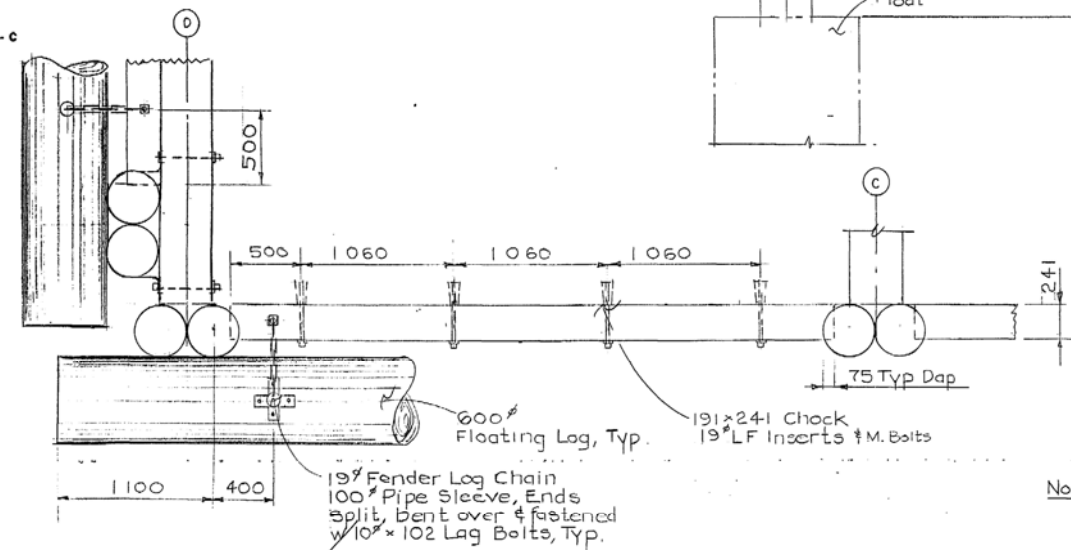
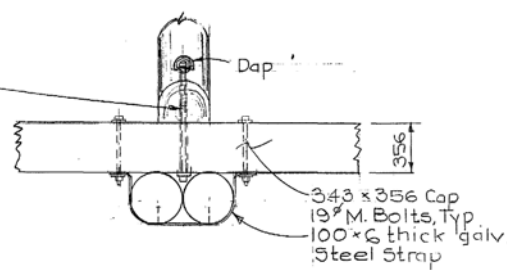
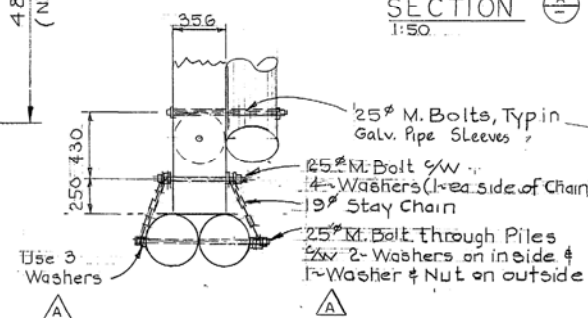
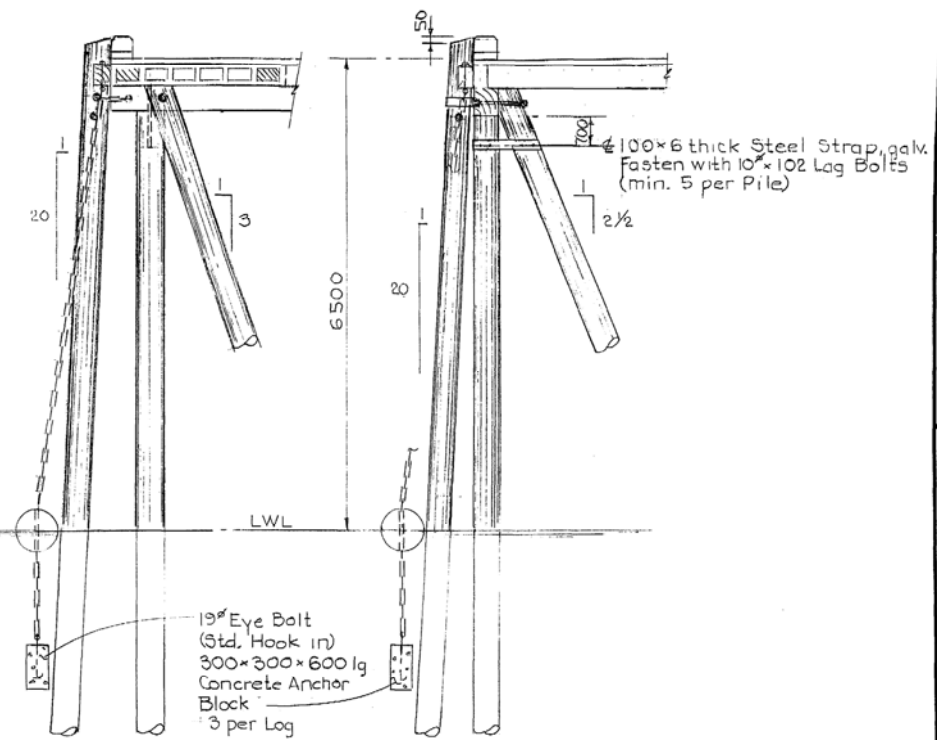
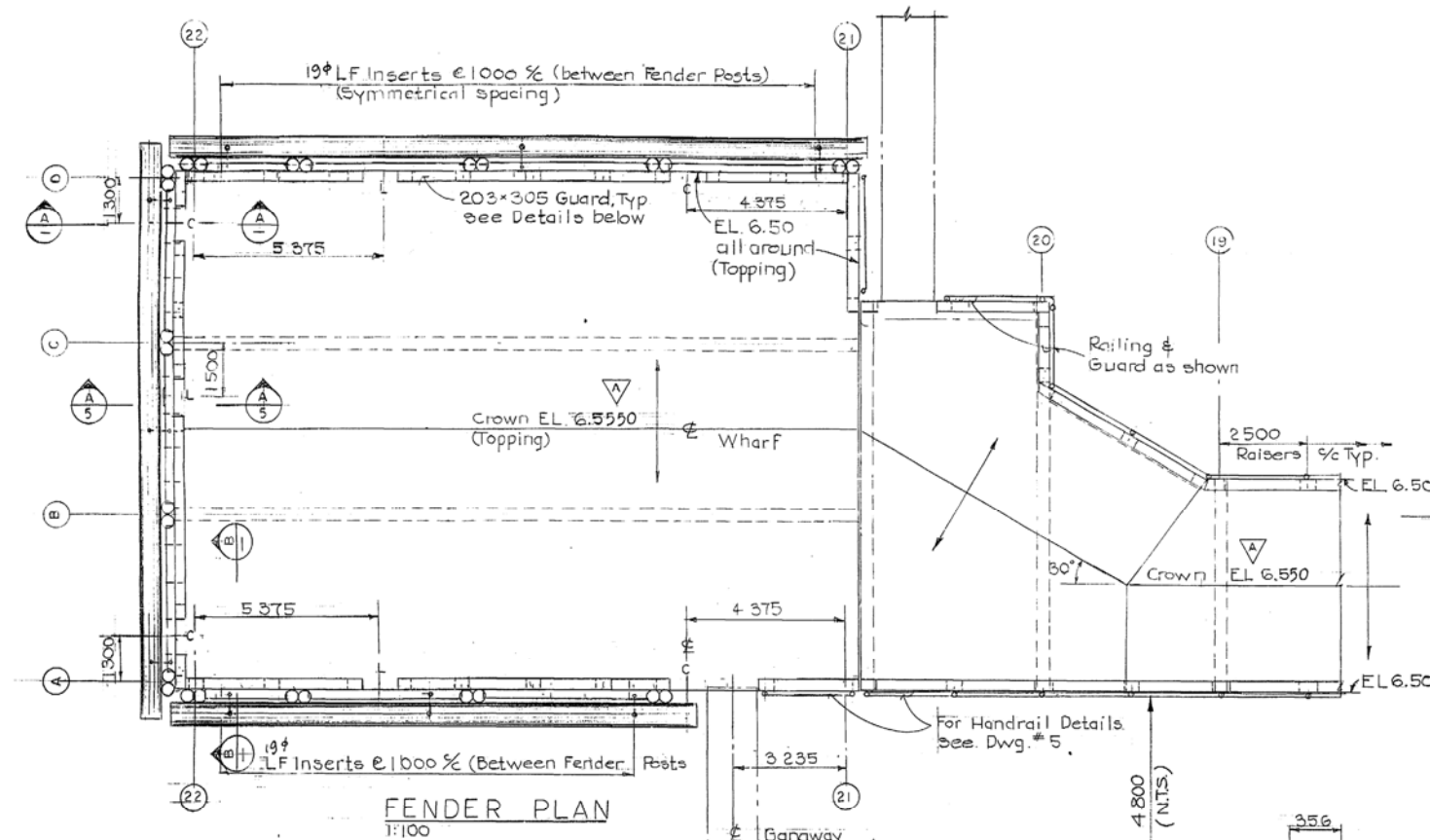
PWC Project Manager Administrateur de projets TPC

project number no. du projet

100553-370619

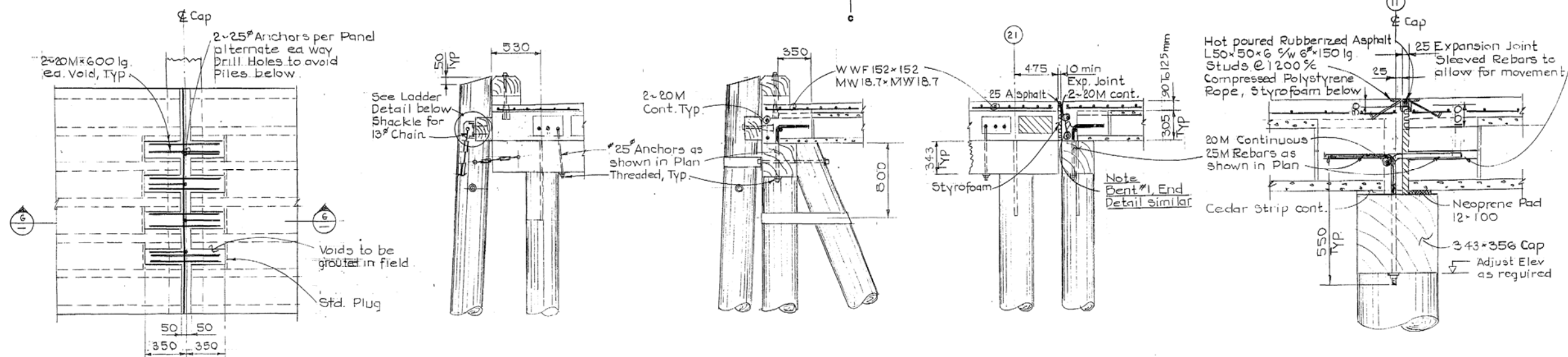
drawing no. no. du dessin

4 of 8



Legend  
C = Cleat  
L = Ladder



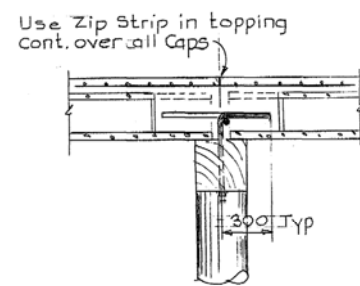


PLAN  
(Topping not shown)

SECTION  
1:25

SECTION  
1:25

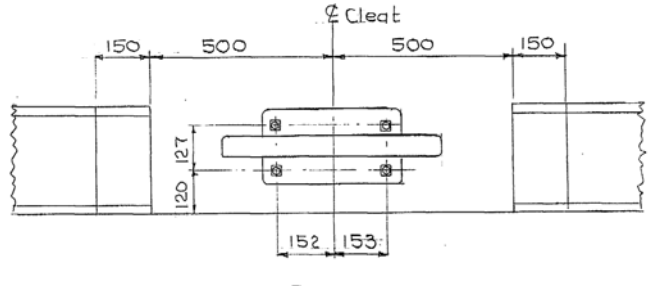
EXPANSION DETAIL  
1:10



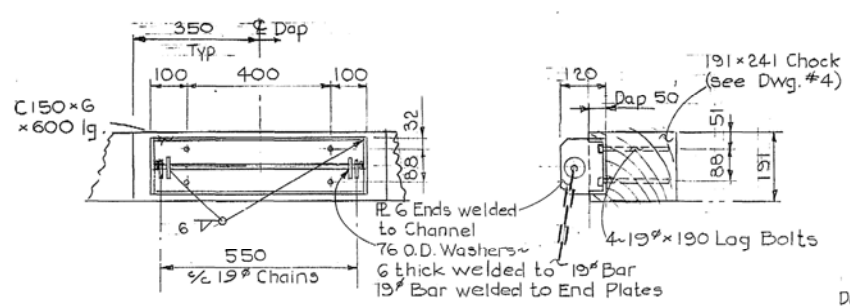
SECTION  
1:25

SECTION  
1:25

LADDER RUNG  
1:2



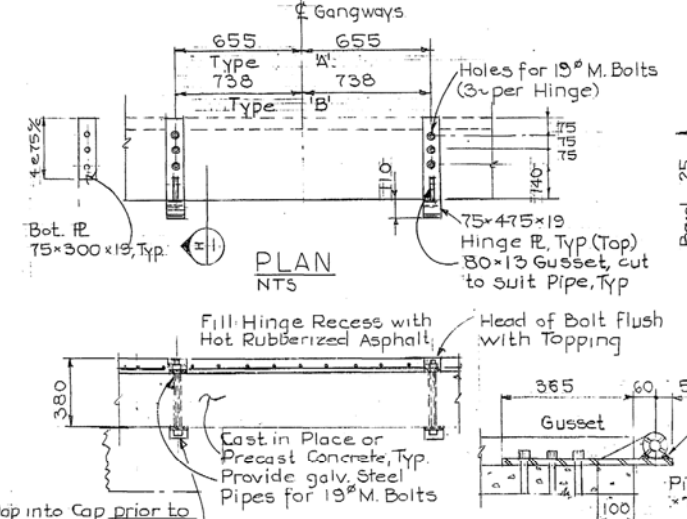
PLAN



ELEVATION

SECTION

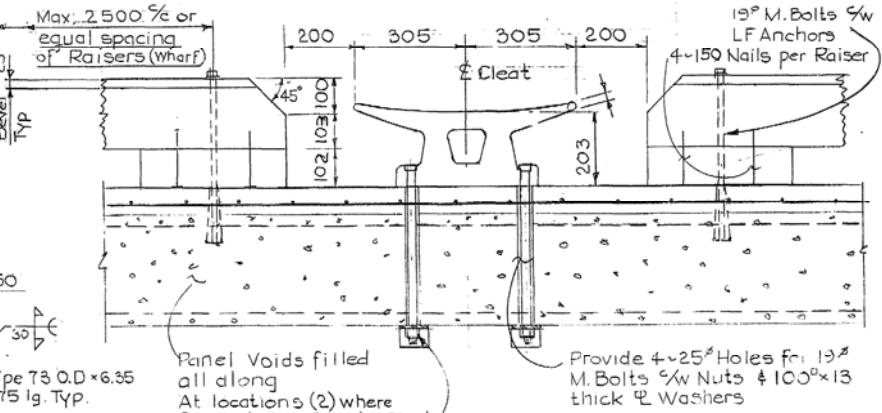
LADDER CHANNEL DETAILS  
1:10



PLAN  
NTS

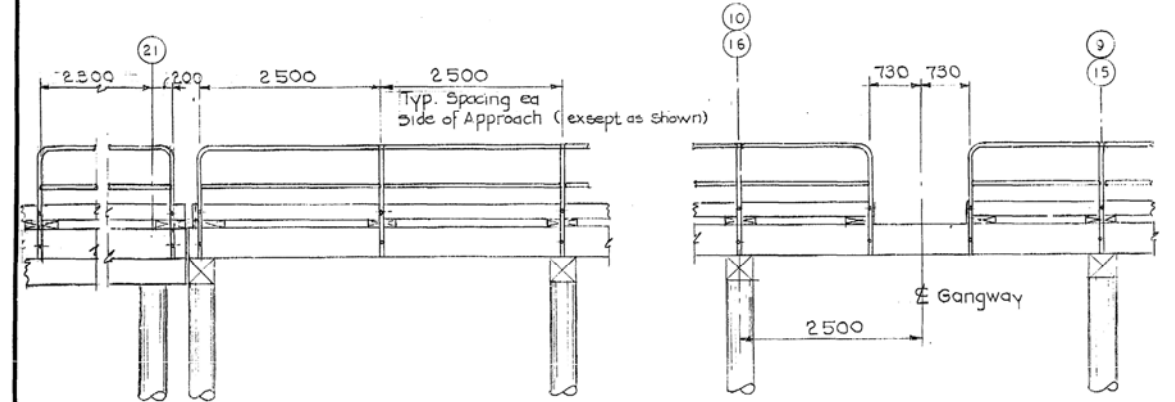
SECTION

GANGWAY HINGE DETAILS  
NTS

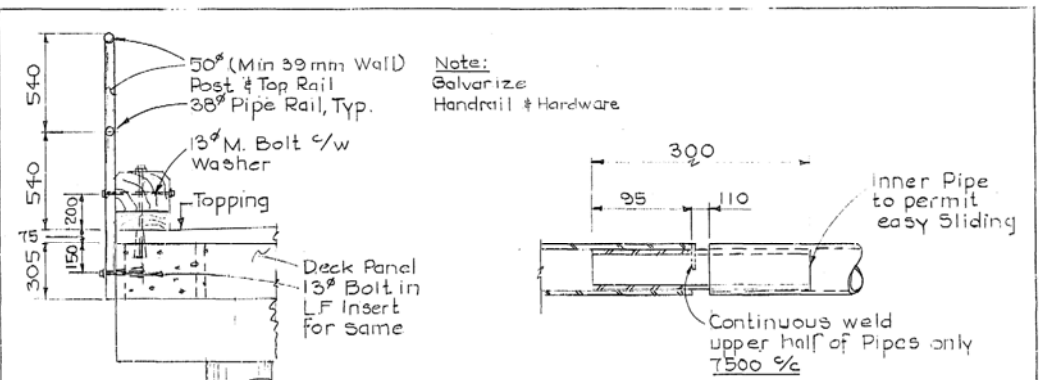


SECTION

CLEAT DETAILS  
1:10



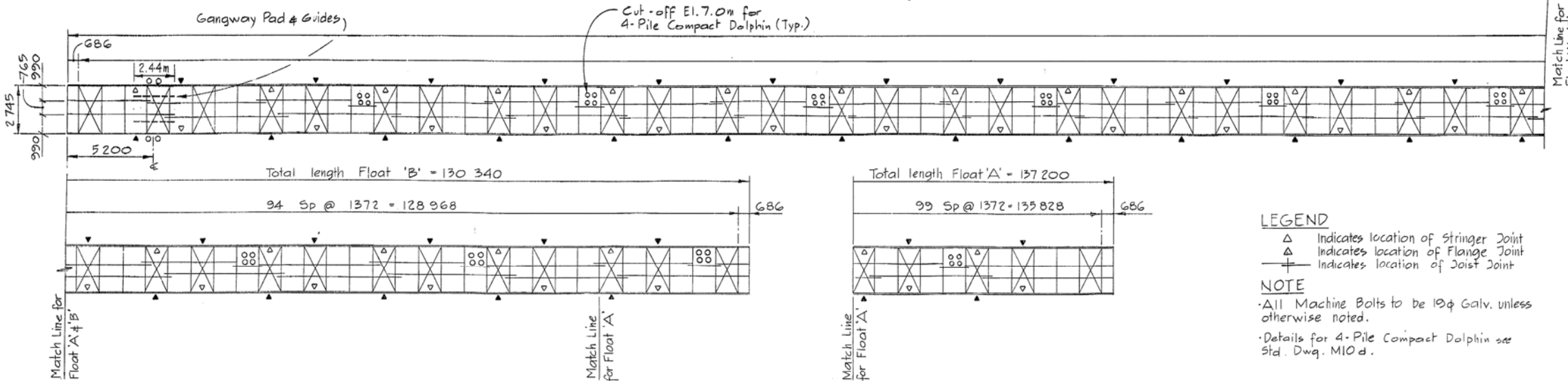
HANDRAIL ELEVATIONS  
1:50



HANDRAIL DETAILS  
1:20

EXPANSION GAP DETAILS  
NTS

Public Works Canada / Travaux publics Canada	
Pacific Region	
Fisheries and Oceans Canada	
As Built 85.06.26	
revisions	date
A detail no. no. du détail	A
B location drawing no. sur dessin no.	B
C drawing no. dessin no.	C
project	project
SOINTULA, BC	
BOAT HARBOUR	
EXPANSION	
PHASE II	
drawing	dessin
CONSTRUCTION DETAILS	
designed D.C. & E.M.	conçu
date July-84	
drawn E.H. Moliner	dessiné
date July-84	
reviewed	examiné
date	
approved	approuvé
date	
Tender	Soumission
PWC Project Manager	Administrateur de projets TPC
project number	no. du projet
100553	
drawing no.	no. du dessin
5 of 8	



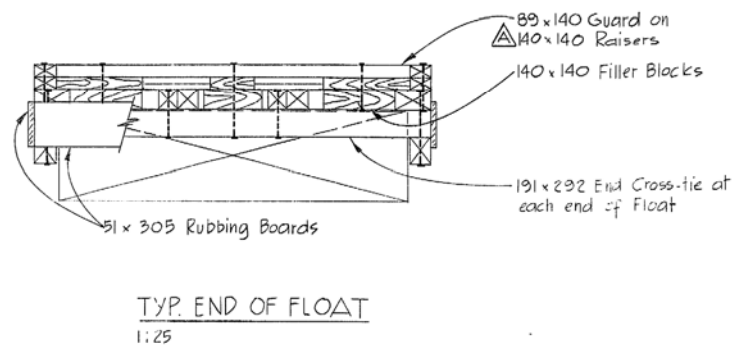
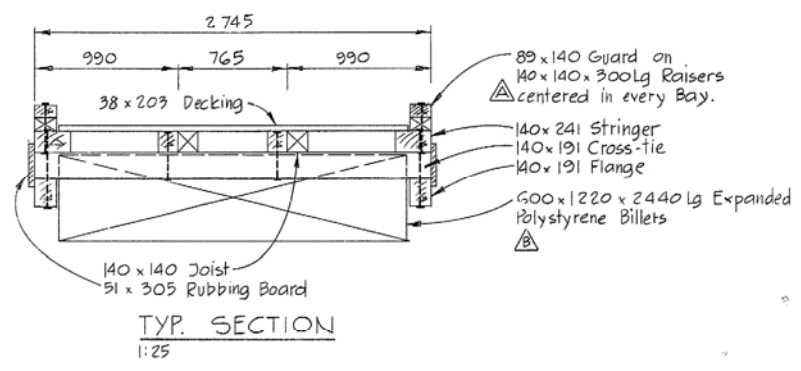
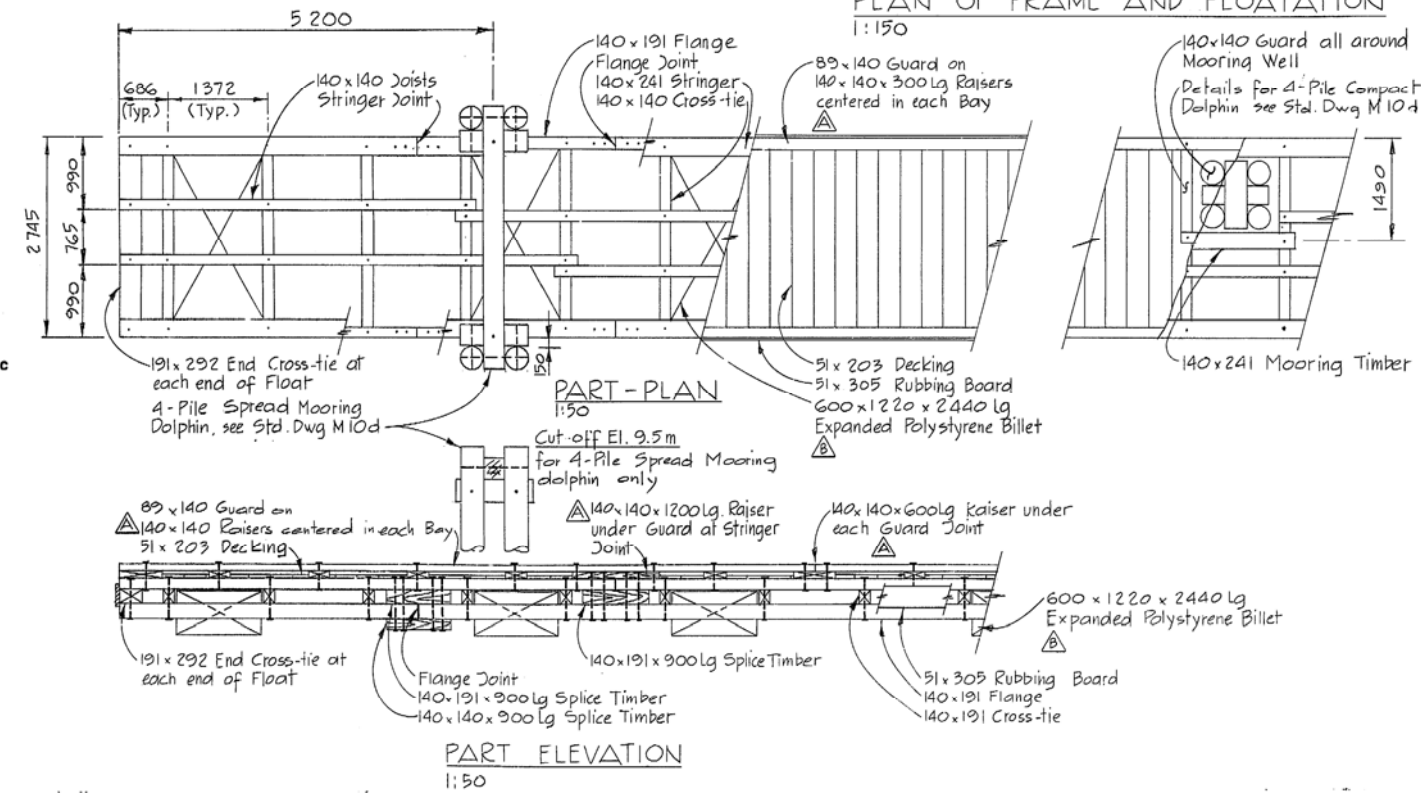
**LEGEND**

- △ Indicates location of Stringer Joint
- △ Indicates location of Flange Joint
- ⊕ Indicates location of Joist Joint

**NOTE**

- All Machine Bolts to be 19φ Galv. unless otherwise noted.
- Details for 4-Pile Compact Dolphin see Std. Dwg. M10 d.

**PLAN OF FRAME AND FLOATATION**  
1:150



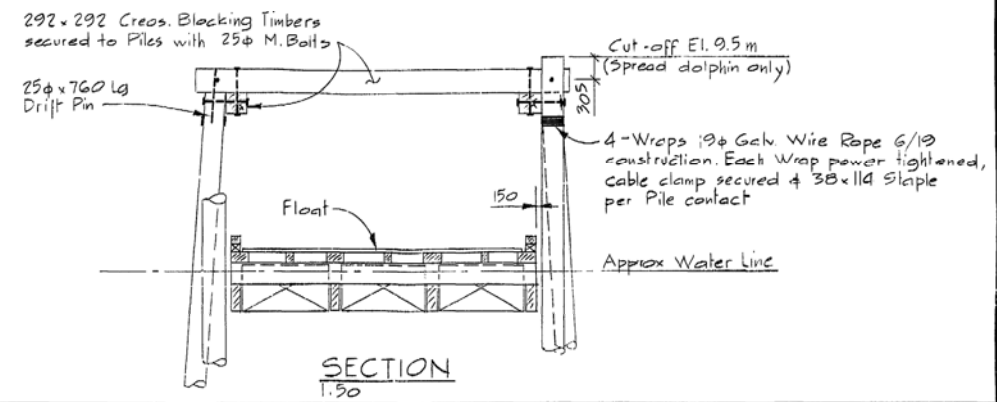
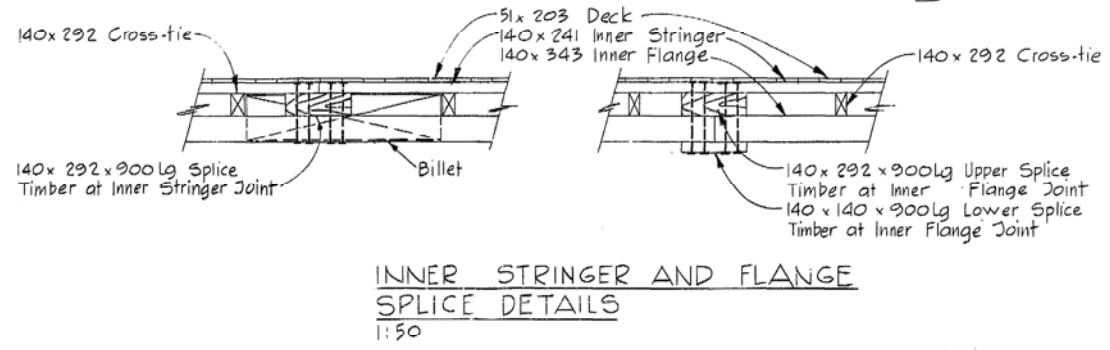
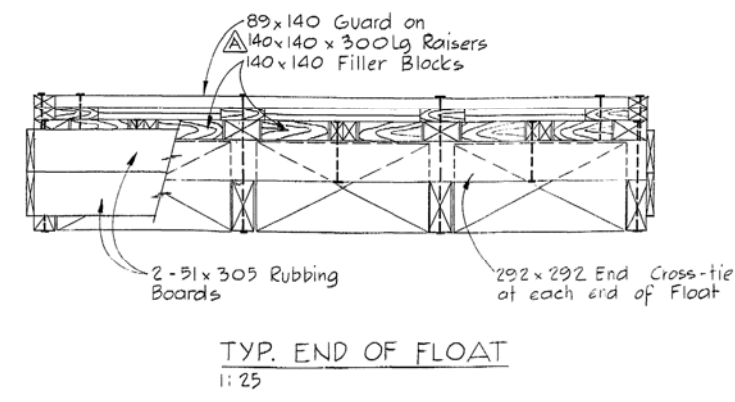
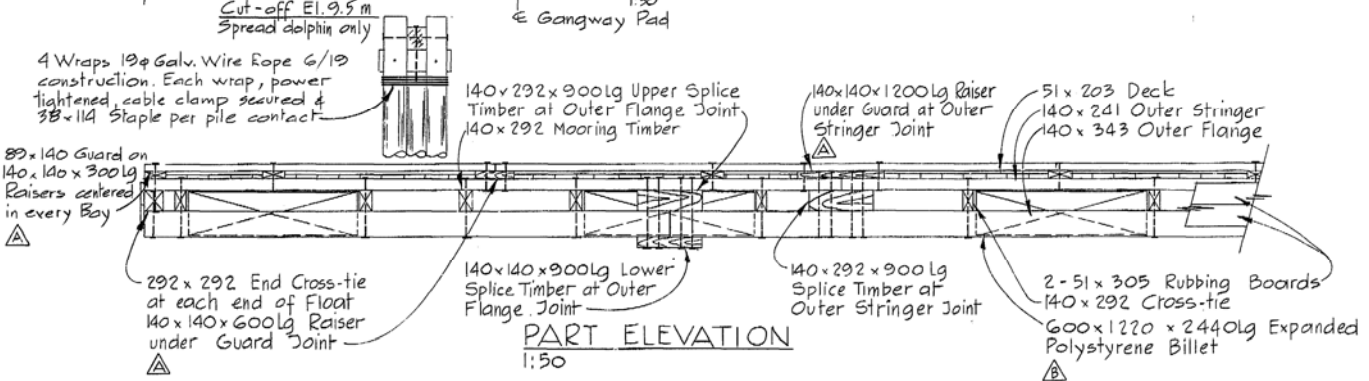
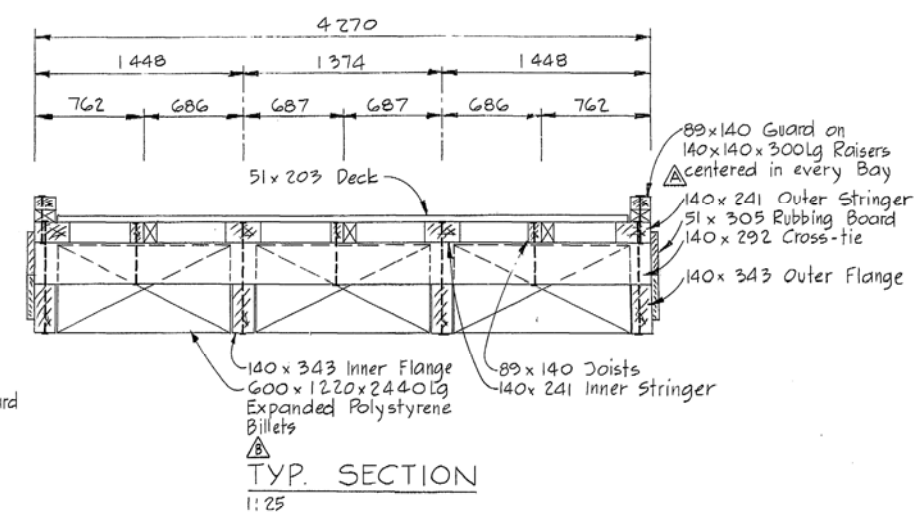
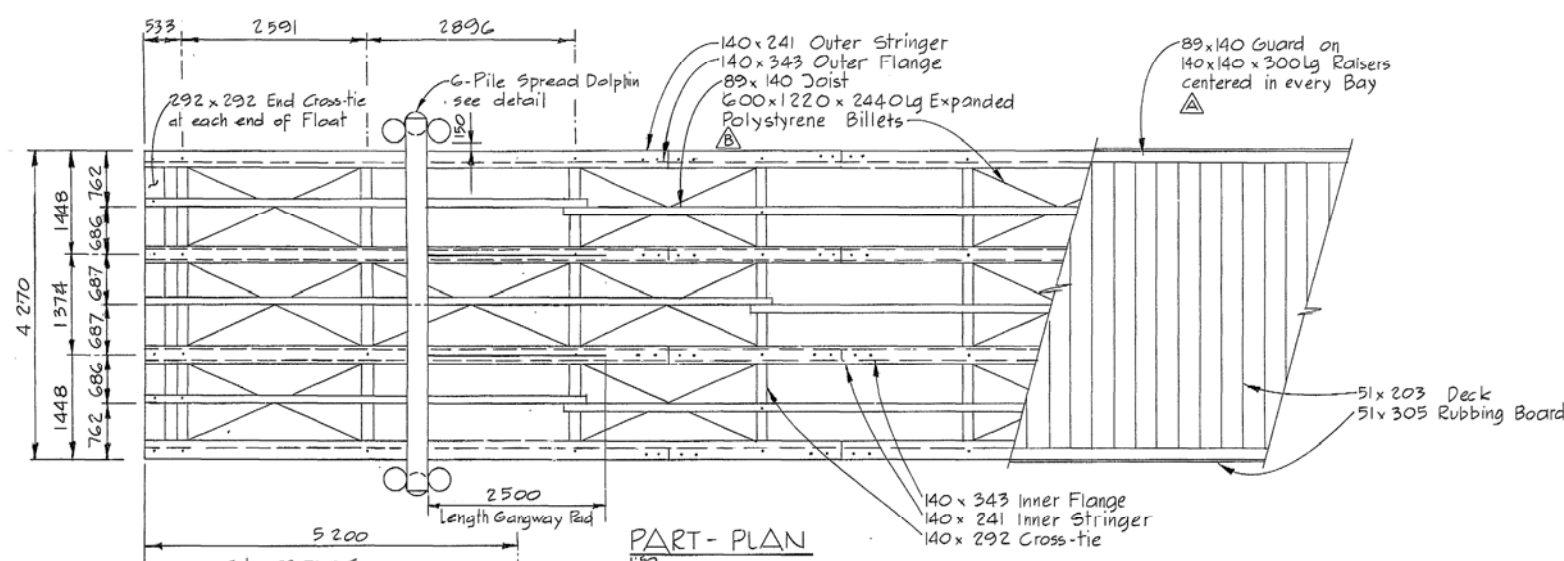
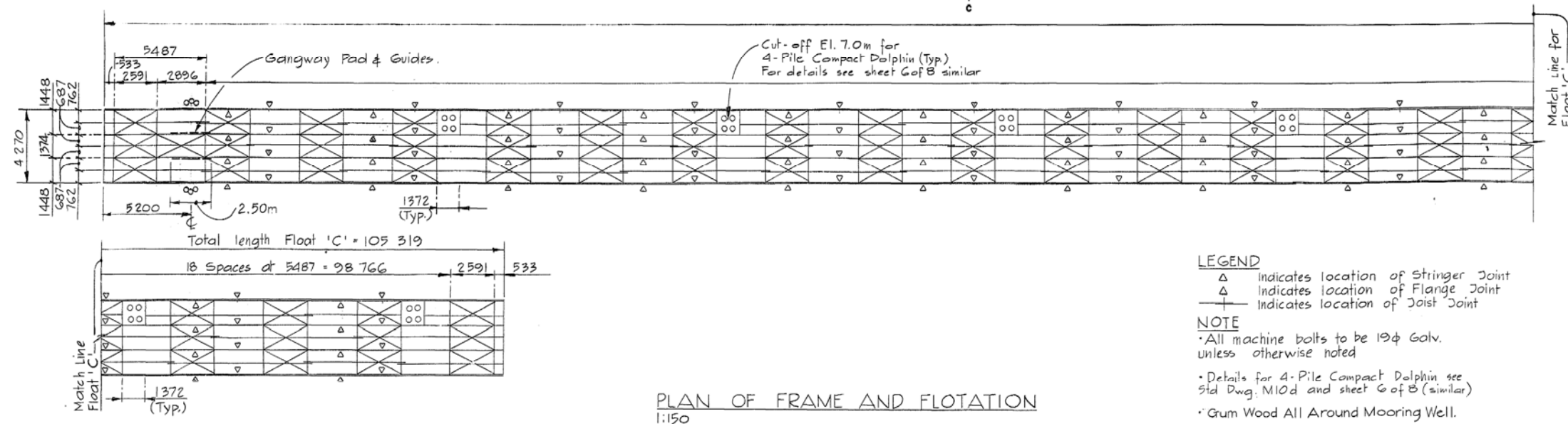
A	Raiser size changed	84-09-13
B	Expanded Polystyrene Billet size changed	84-09-13
revisions		date

A	A detail no. no. du détail
B	B location drawing no. sur dessin no.
C	C drawing no. dessin no.

project  
SOINTULA, B.C.  
BOAT HARBOUR  
EXPANSION  
PHASE II

drawing  
dessein  
FLOATS 'A' & 'B'  
CONSTRUCTION  
DETAILS

designed P.Y.C.	conçu
date June, 1984	
drawn MDE	dessiné
date June, 1984	
reviewed	examiné
date	
approved	approuvé
date	
Tender	Soumission
PWC Project Manager	Administrateur de projets TPD
project number	no. du projet
100553	
drawing no.	no. du dessin
6 of 8	



Public Works Canada / Travaux publics Canada  
Pacific Region

Fisheries and Oceans Canada

As Built	85-06-26
A Kaiser size changed	84-09-13
B Expanded Polystyrene Billet size changed	84-09-13

A	A detail no. no. du détail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project  
SOINTULA, B.C.  
BOAT HARBOUR  
EXPANSION  
PHASE II

drawing  
desain

**FLOAT 'C' CONSTRUCTION DETAILS**

designed D.V.C. conçu

date June, 84 dessiné

drawn MDC examiné

date June, 84

reviewed

date

approved

approved

date

Tender Soumission

PWC Project Manager Administrateur de projets TPC

project number no. du projet

100553

drawing no. no. du dessin

7 of 8

12(7-8)

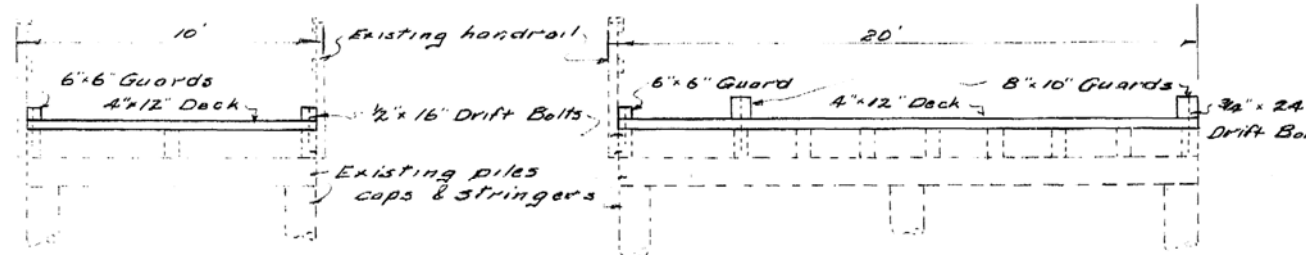


FIG 3 WALKWAY

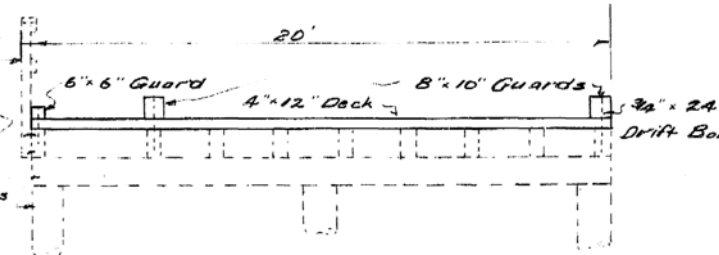


FIG 4 APPROACH

CROSS SECTIONS  
Scale 1 in. = 4 ft.

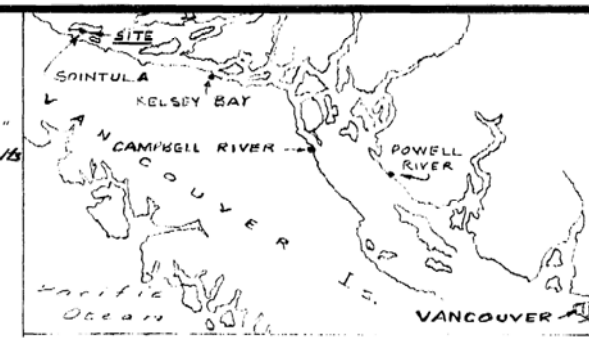


FIG 1 LOCATION CHART  
Scale 1 in. = 39 mi.

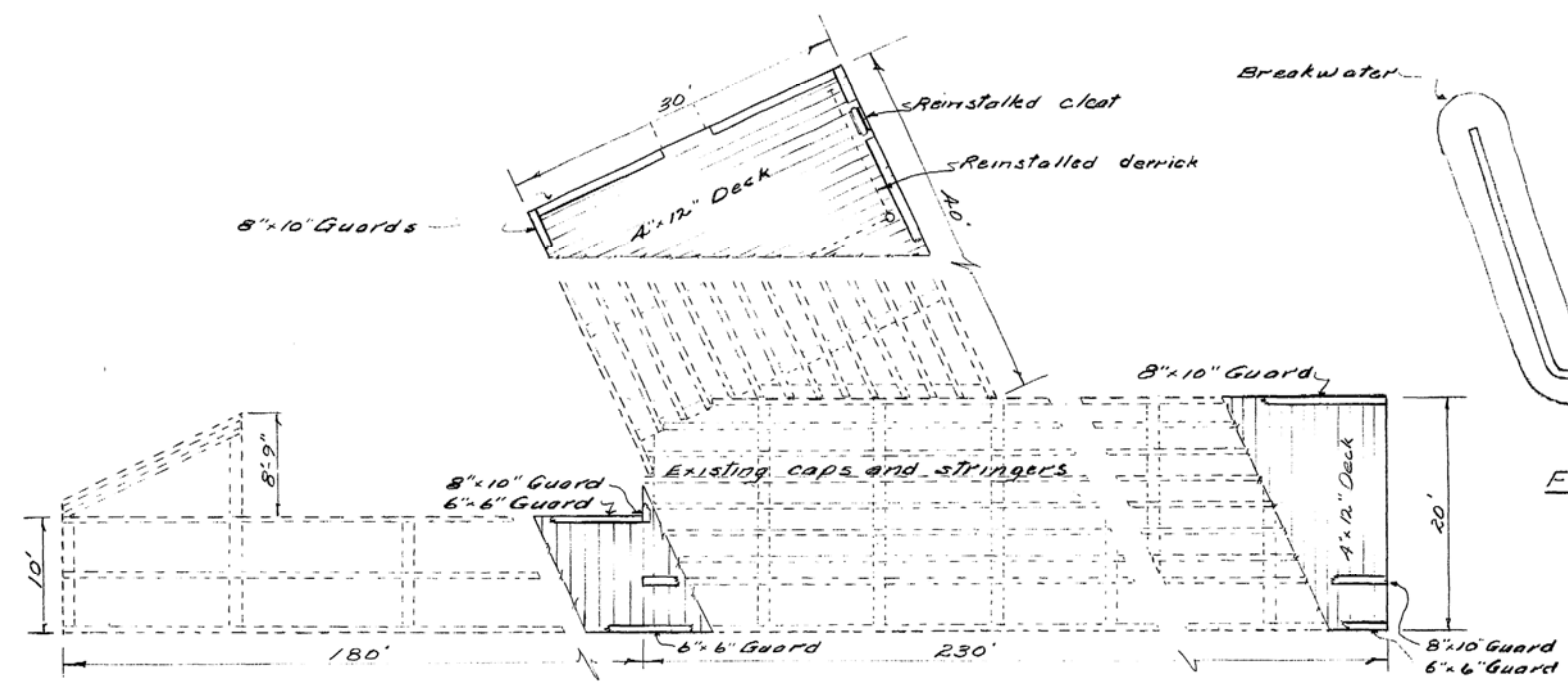


FIG 5 PLAN OF SUPERSTRUCTURE  
Scale 1 in. = 10 ft.

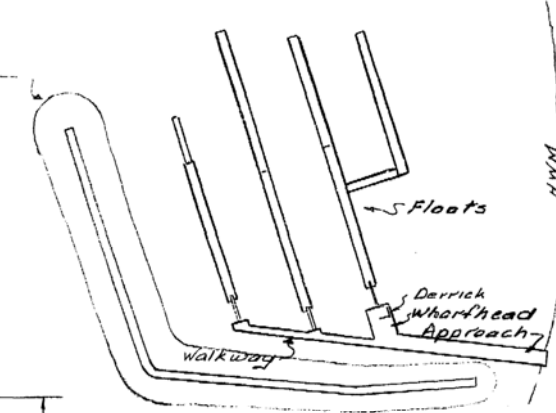


FIG 2 LAYOUT PLAN  
Scale 1 in. = 150 ft.

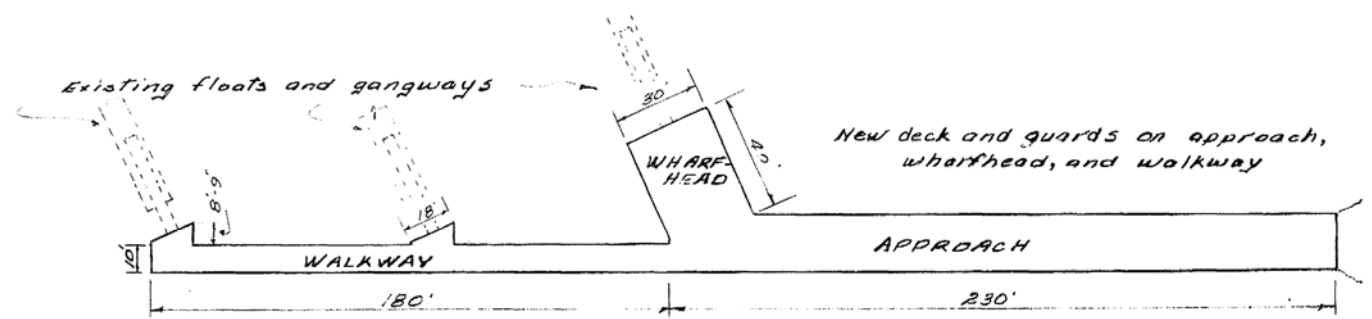


FIG 6 PLAN OF APPROACH  
Scale 1 in. = 40 ft.



Department of Public Works  
Ministère des Travaux publics

BRITISH COLUMBIA DISTRICT  
W. Koropachuk, Regional Director  
W. W. Ryan, District Director

A. detail no.	détail no.
B. location	sur dessin no.
C. dwg. no.	dessin no.

date revisions

Job title: Titre du projet:

SOINTULA, B.C.

Drawing title: Titre du dessin:

BOAT HARBOUR  
REPAIRS

designed by: L. LINGSTON date  
conçu par: Feb 5 '70

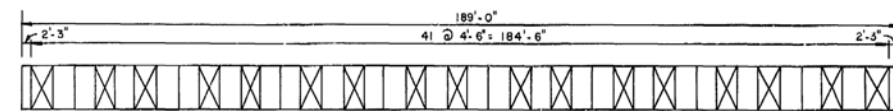
drawn by: L.L. date  
dessiné par: Feb 5 '70

reviewed by: J.P. date  
examiné par: Feb 9 1970

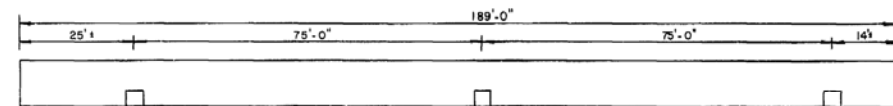
approved by: J.P. date  
approuvé par: 2/12/70

job number: no du projet:  
C.A. dwg. no. dessin no.  
1 of 1

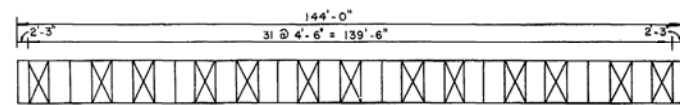
70-S11



**FIG. 3 PONTON GRID** SCALE: 1" = 20'



**FIG. 4 PLAN OF EXISTING MOORING DOLPHINS**  
SCALE : 1" = 20'



**FIG.5 PONTON GRID** SCALE: 1" = 20'

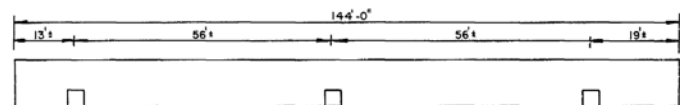


FIG.6 PLAN OF EXISTING MOORING DOLPHINS

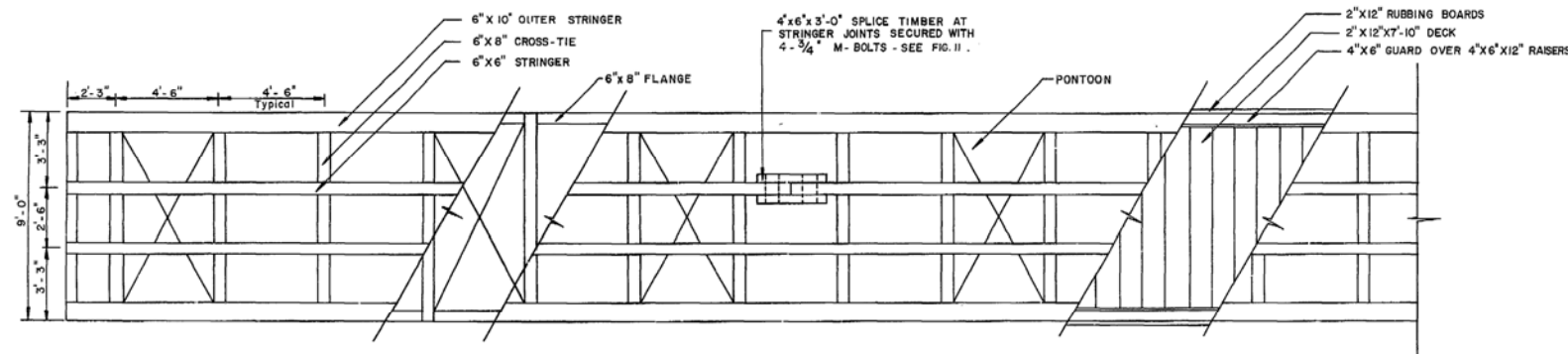


FIG. 7 PLAN (TYPICAL) SCALE:  $\frac{1}{4}" = 1'-0"$

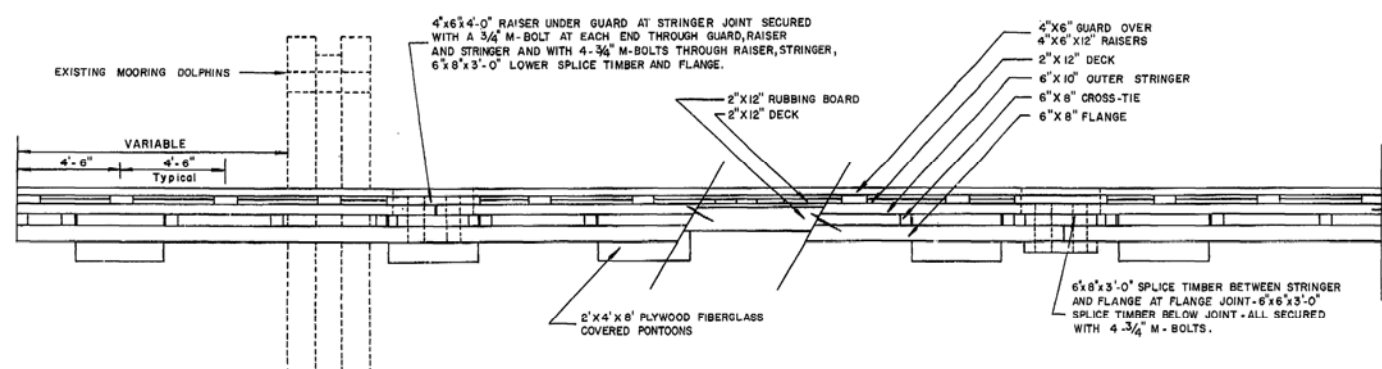
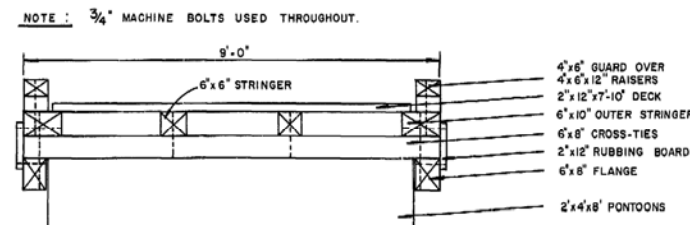


FIG. 8 ELEVATION (TYPICAL) SCALE:  $\frac{1}{4}'' = 1'-0''$



**FIG.9 SECTION (TYPICAL)** SCALE:  $\frac{1}{2}" = 1'-0"$

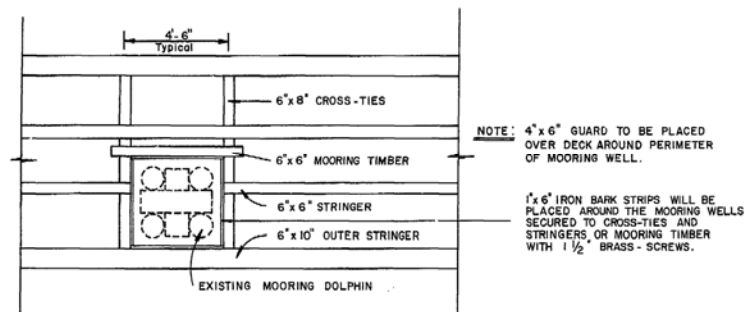


FIG. 10 DETAIL - MOORING DOLPHIN SCALE:  $\frac{1}{4}'' = 1'-0''$

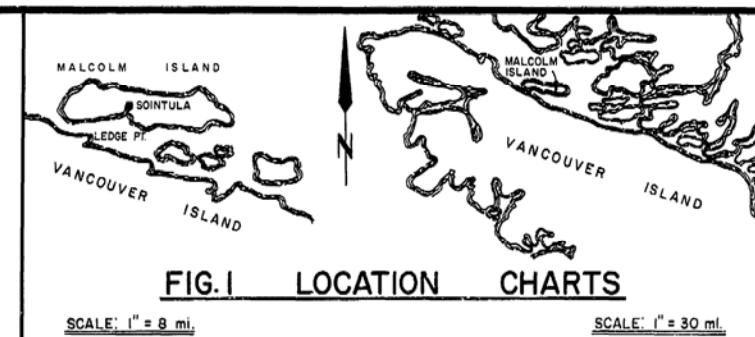
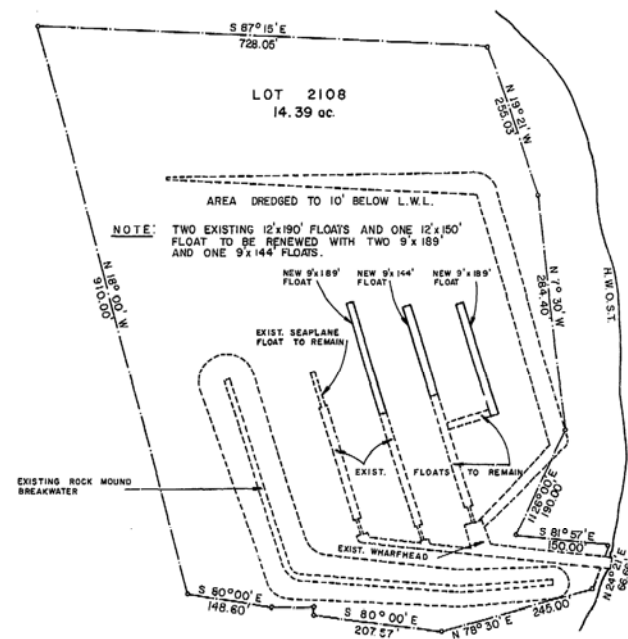


FIG.1 LOCATION CHARTS



**FIG. 2 LAYOUT PLAN**  
SCALE: 1"=150'

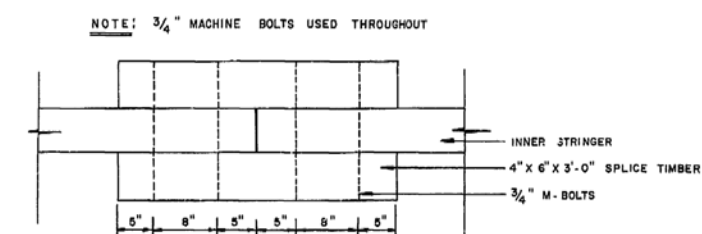


FIG. II SPLICE DETAIL SCALE : N.T.S.



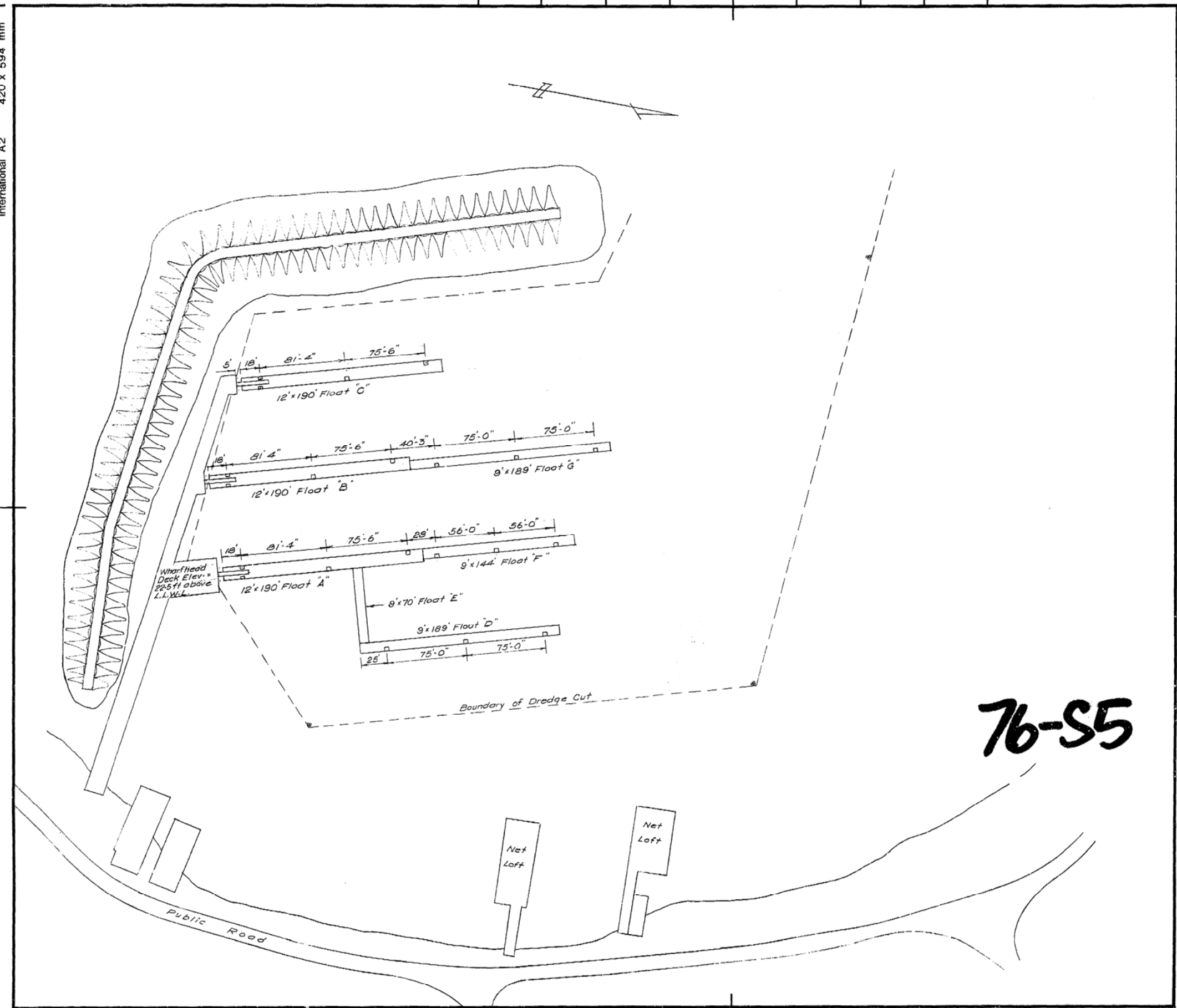
cut here  
couper ici

International A2 420 x 594 mm

inches 0 1 2 3 4 5 6 7 8 pouces

DPW A2

centimetres 0 2 4 6 8 10 12 14 16 18 20 centimètres



76-S5



office  
bureau

consultant  
expert-conseil

seal  
sceau

designed by  
conçu par

drawn by  
dessiné par

approved by  
approuvé par

date

scale  
échelle 1 inch = 60 feet

A	detail no. no. du détail
B	sheet no. - where detail required no. de la feuille - où détail exigé
C	sheet no. - where detailed no. de la feuille - où détaillé

revisions  
révisions

project  
projet

SOINTULA - B.C.  
BOAT HARBOUR

drawing  
dessin

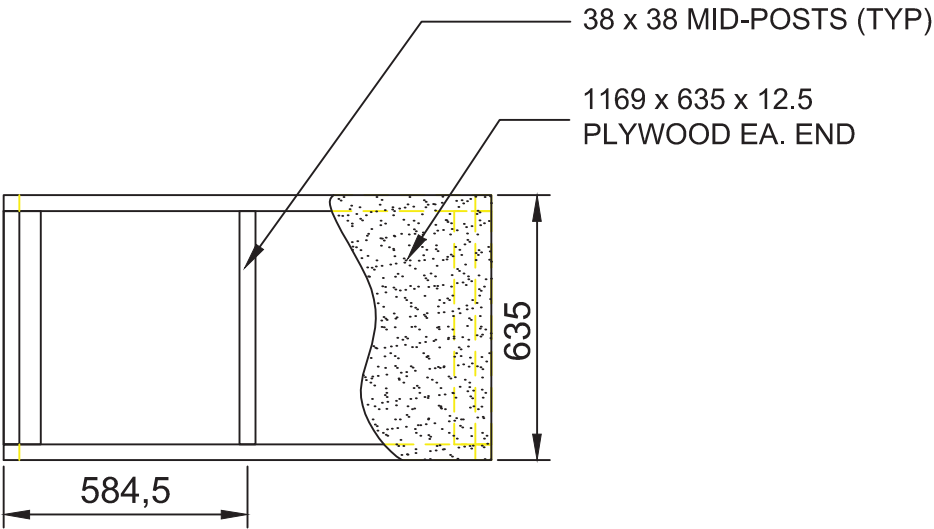
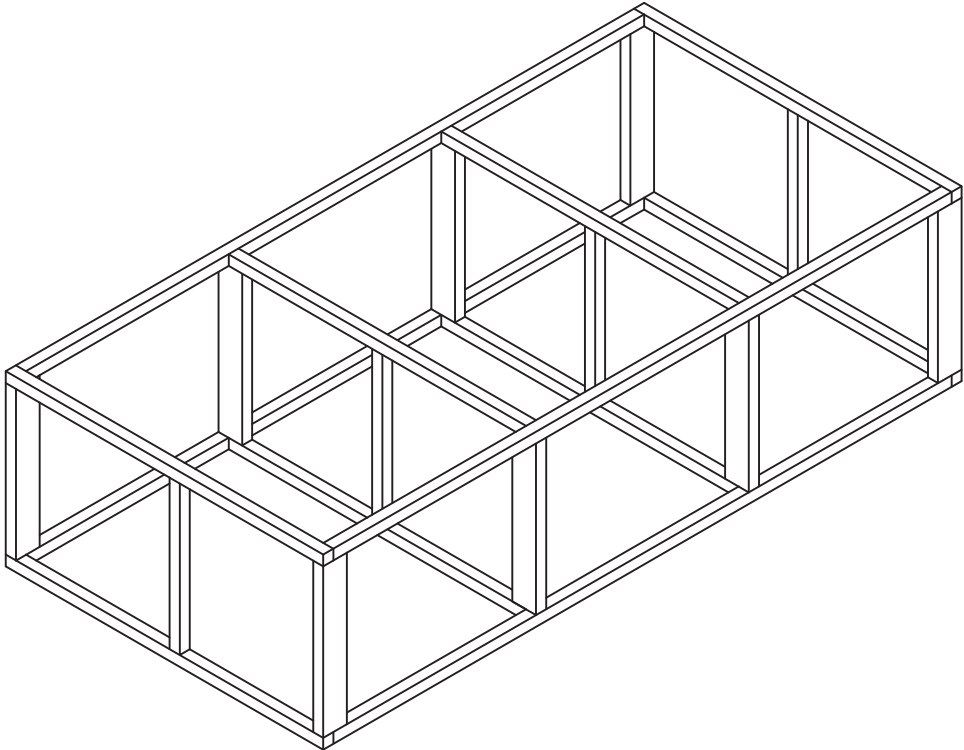
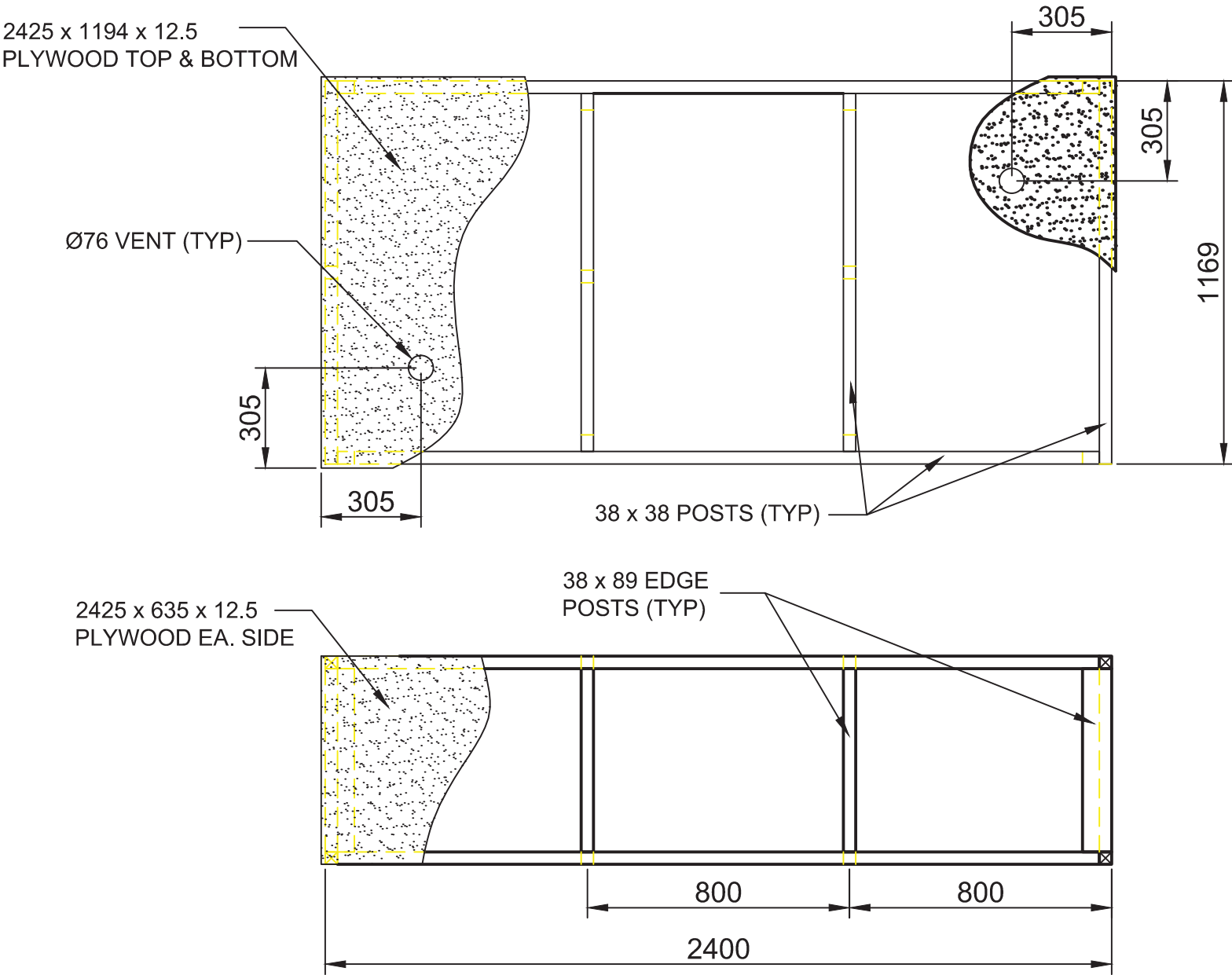
MOORING DOLPHIN LOCATIONS

project No. du projet sheet No. de la feuille

 $M-1 \neq M-1$ 

NOTE: APPROXIMATELY 70 LIN " OF 32mm LINE WILL BE REQUIRED

SITE PLAN  
SCALE 1:250



Client/client	Project title/Titre du projet	Drawing title/Titre du dessin  FULL SIZE FIBREGLASS PONTOON FRAME	Consultant Signature & Date Only		PWGSC Project Manager/Administrateur de Projets TPSGC		Project No./No. du projet	
			Designed by/Concept par		PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC		DWG No.  002	Revision/ Revision
			Drawn by/Dessine par		Date/Date October 23, 2015			

