



Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
Canada

# REAL PROPERTY SERVICES

Pacific Region

# SERVICES IMMOBILIERS

Région de Pacifique

# SOUTH PENDER ISLAND, BEDWELL HARBOUR, B.C. HARBOUR REDEVELOPMENT

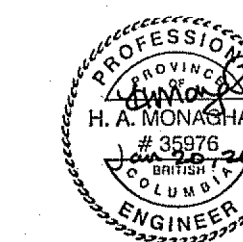
Project No. R.083172.001

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES  
Pacific Region  
SERVICES IMMOBILIERS  
Région de Pacifique



HEL PROJECT | 2408-082



Revision/	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 85% REVIEW	16/11/04
0	ISSUED FOR 65% REVIEW	16/09/20

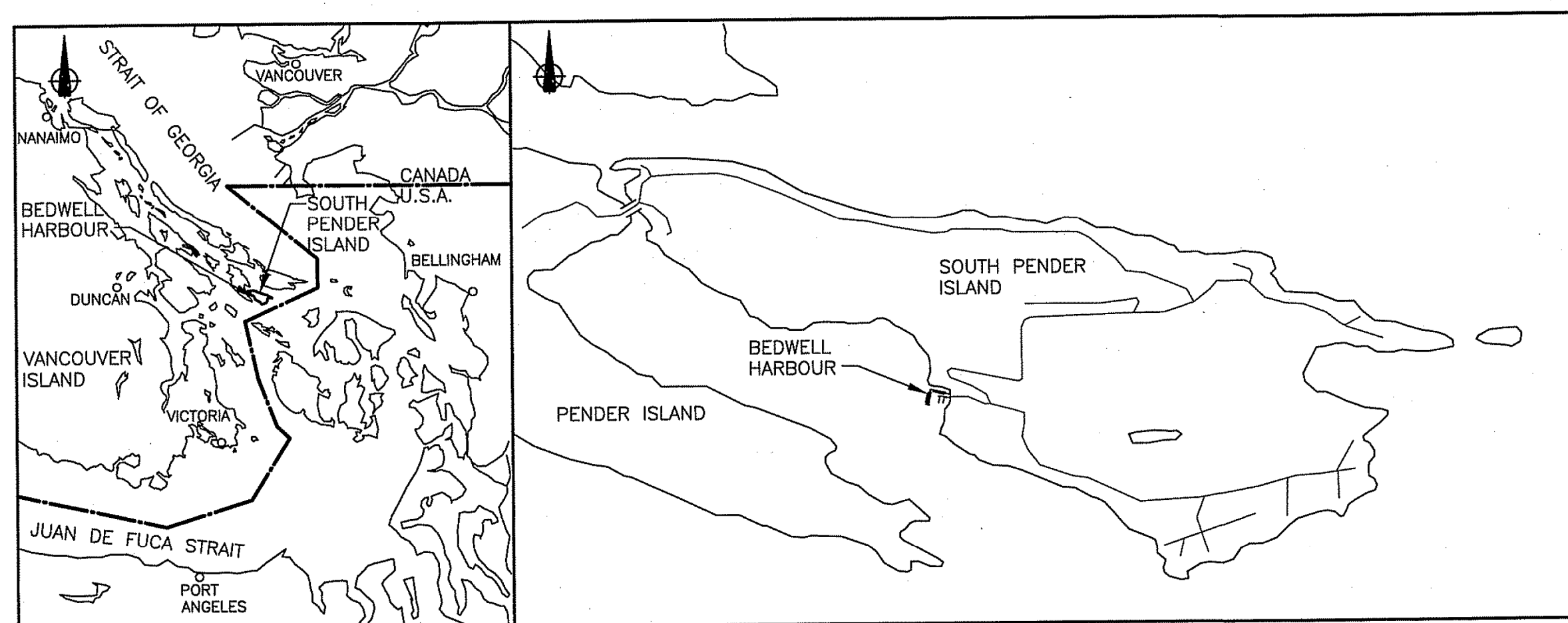
Client/Client  
**CANADA BORDER SERVICES AGENCY**

Project title/Titre du projet  
**SOUTH PENDER ISLAND, B.C.  
BEDWELL HARBOUR  
HARBOUR REDEVELOPMENT**

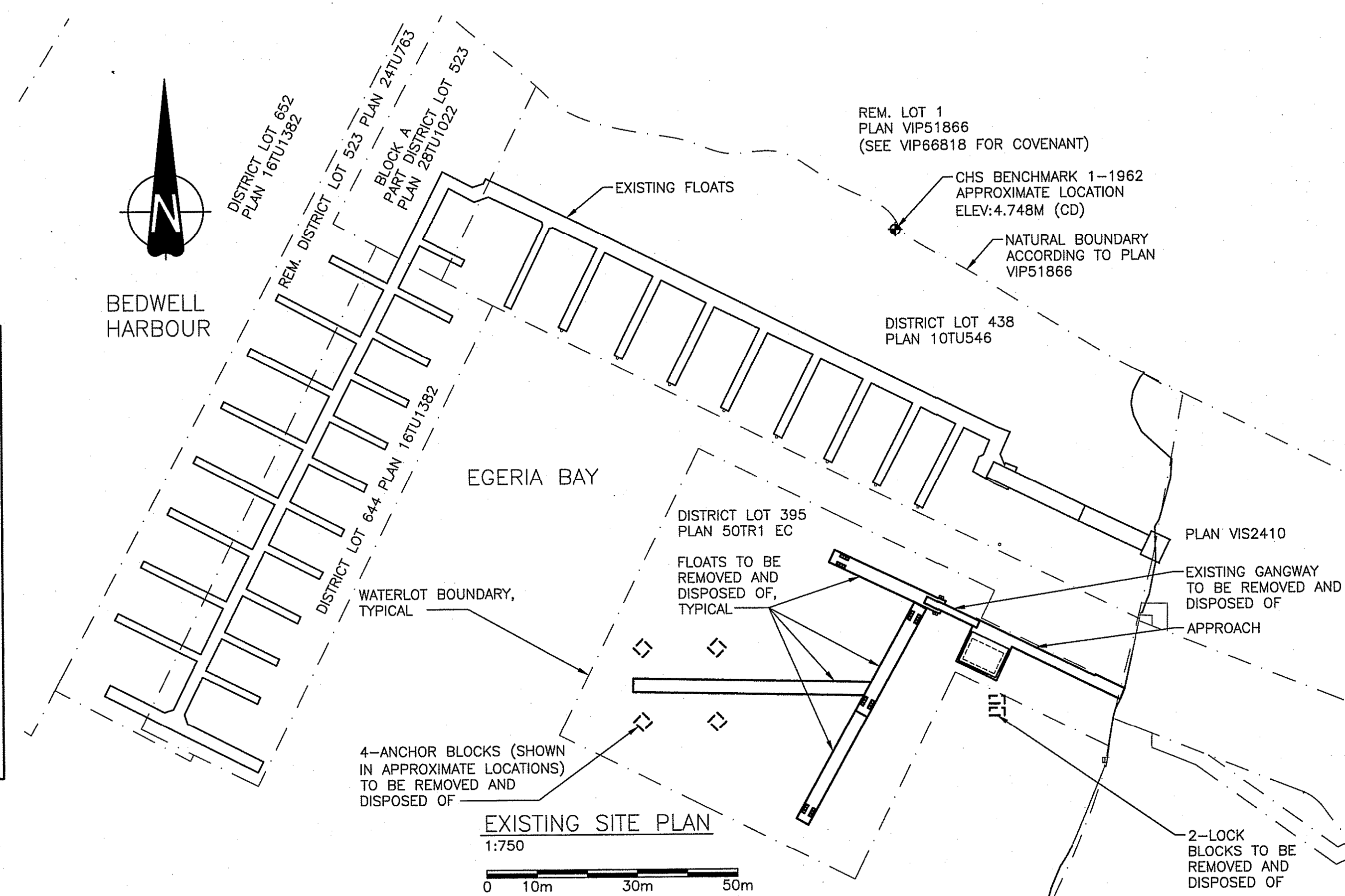
Consultant Signature Only  
Designed by/Concept par  
HAM  
Drawn by/Dessiné par  
JJMC  
PWGSC Project Manager/Administrateur de Projets TPSSC  
JULIAN HO  
Regional Manager, Architectural and Engineering Services,  
Gestionnaire régional, Services d'architecture et de génie, TPSSC

Drawing title/Titre du dessin  
**TITLE SHEET**

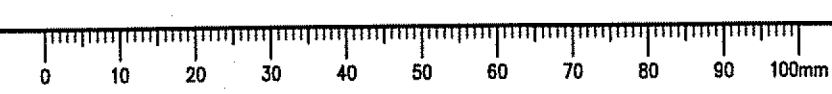
Project No./No. du projet <b>R.083172.001</b>	Sheet/Feuille <b>01</b> OF 12	Revision no./La Révision no. <b>2</b>
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LOCATION PLANS  
N.T.S.



EXISTING SITE PLAN  
1:750  
0 10m 30m 50m





SECTION 20

LOT 1 PLAN VIP55627

REM. LOT 1 PLAN VIP51866 (SEE VIP66818 FOR COVENANT)

GNSS CONTROL POINT (516) COORDINATES  
Datum: NAD83 (CSRS) 3.0.0.BC.1.CRD  
UTM ZONE 10  
UTM NORTHING.....5399493.03  
UTM EASTING.....483186.06  
COMBINED SCALE FACTOR.....0.9996059  
ESTIMATED NETWORK HORIZONTAL ACCURACY IS 0.028m.

CHS BENCHMARK 1-1962 APPROXIMATE LOCATION ELEV: 4.748M (CD)

NATURAL BOUNDARY ACCORDING TO PLAN VIP51866

SPALDING ROAD

DISTRICT LOT 652 PLAN 16TU1382

BLOCK A PART DISTRICT LOT 523 PLAN 28TU1022

DISTRICT LOT 438 PLAN 10TU546 (DID NOT SURVEY FINGERS ON THIS SIDE)

ARBUSUTUS CLUSTER PLAN VIS2410

LOT 1 PLAN VIP14355

BEDWELL HARBOUR

REM. DISTRICT LOT 523 PLAN 24TU763

DISTRICT LOT 644 PLAN 16TU1382

EGERIA BAY

DISTRICT LOT 395 PLAN 50TR1 EC

APPROACH AND OFFICE PLATFORM SEE DWG. 11

GNSS CONTROL POINT (514) COORDINATES  
Datum: NAD83 (CSRS) 3.0.0.BC.1.CRD  
UTM ZONE 10  
UTM NORTHING.....5399374.35  
UTM EASTING.....483308.95  
ELEVATION.....7.522  
COMBINED SCALE FACTOR.....0.9996057  
ESTIMATED NETWORK HORIZONTAL ACCURACY IS 0.028m.

3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 80% REVIEW	16/11/04
0	ISSUED FOR 60% REVIEW	16/09/20
Revision/Description	Description/Description	Date/Date

CANADA BORDER SERVICES AGENCY

Project title/Titre du projet

SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR REDEVELOPMENT

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Designed by/Concept par

HAM

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PHU

PWSSC Project Manager/Administrateur de Projets TPSSC

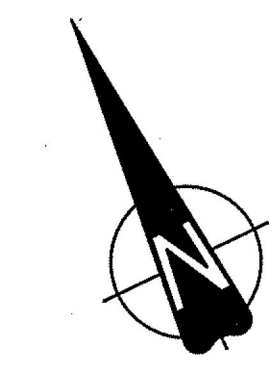
JULIAN HO

Regional Manager, Architectural and Engineering Services, Gestionnaire régionale, Services d'architecture et de génie, TPSSC

Drawing title/Titre du dessin

GENERAL ARRANGEMENT

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.083172.001	02 OF 12	2

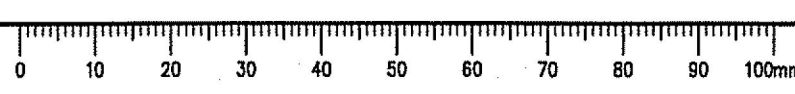
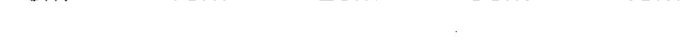


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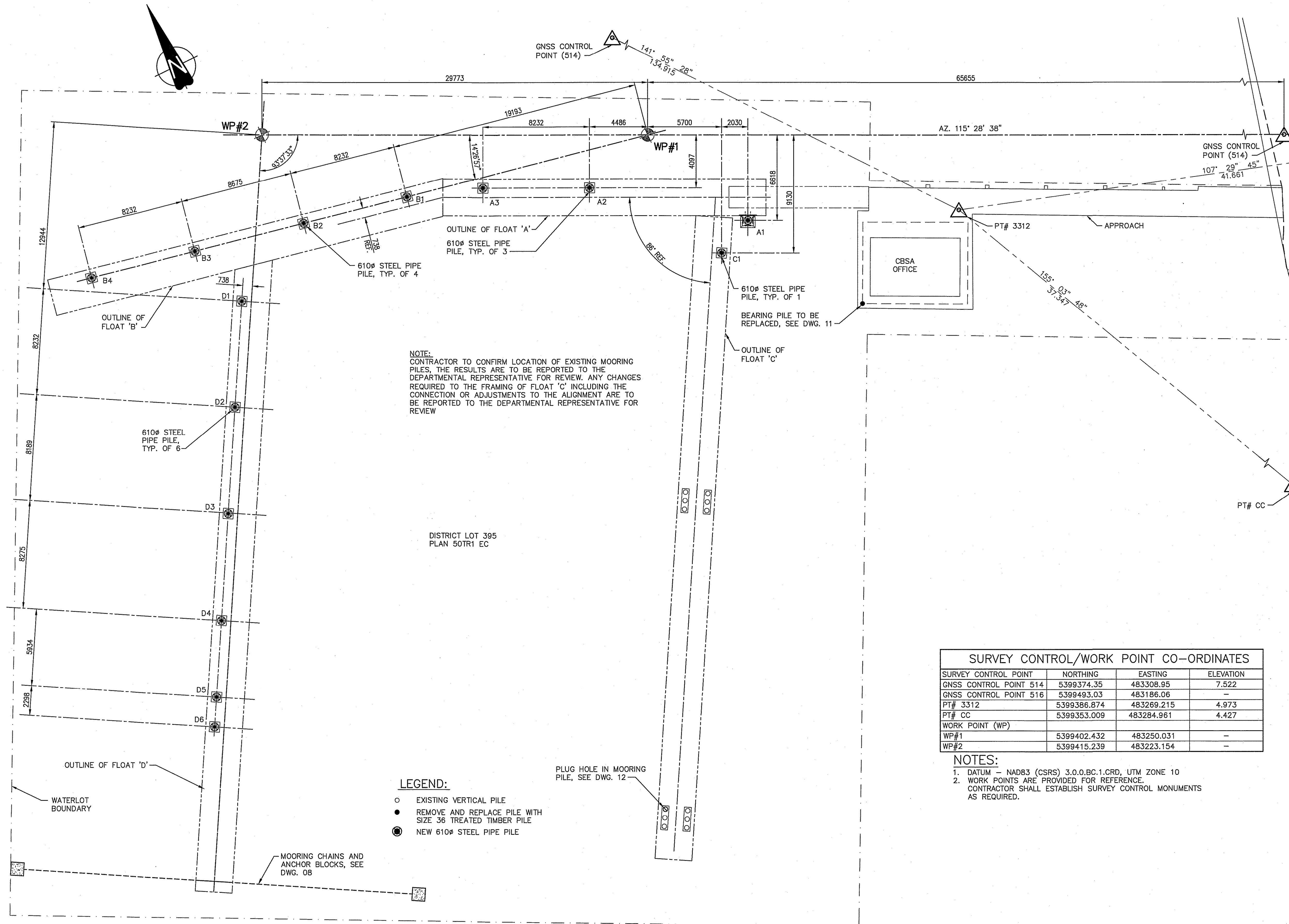
1. BASE PLAN WAS DERIVED FROM PWSSC DRAWING EDM#605735 CBSA BEDWELL SITE PLAN SURVEYED 2016 07 13 SK5543 DWG.
2. SOUNDING ARE REDUCED TO LOCAL LOW WATER AND DERIVED FROM PWSSC DRAWING SK. 4354, SOUNDED NOV. 20-22 1985
3. ALL ELEVATIONS ARE IN METRES AND DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.

GENERAL ARRANGEMENT

1:500







**NOTE:**  
CONTRACTOR TO CONFIRM LOCATION OF EXISTING MOORING PILES, THE RESULTS ARE TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW. ANY CHANGES REQUIRED TO THE FRAMING OF FLOAT 'C' INCLUDING THE CONNECTION OR ADJUSTMENTS TO THE ALIGNMENT ARE TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW

DISTRICT LOT 395  
PLAN 50TR1 EC

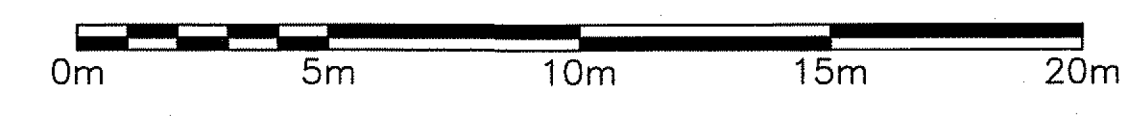
**LEGEND:**

- EXISTING VERTICAL PILE
- REMOVE AND REPLACE PILE WITH SIZE 36 TREATED TIMBER PILE
- NEW 610# STEEL PIPE PILE

MOORING CHAINS AND ANCHOR BLOCKS, SEE DWG. 08

PLUG HOLE IN MOORING PILE, SEE DWG. 12

**PILE PLAN**  
1:150



**SURVEY CONTROL/WORK POINT CO-ORDINATES**

SURVEY CONTROL POINT	NORTHING	EASTING	ELEVATION
GNSS CONTROL POINT 514	5399374.35	483308.95	7.522
GNSS CONTROL POINT 516	5399493.03	483186.06	-
PT# 3312	5399386.874	483269.215	4.973
PT# CC	5399353.009	483284.961	4.427
<b>WORK POINT (WP)</b>			
WP#1	5399402.432	483250.031	-
WP#2	5399415.239	483223.154	-

**NOTES:**

1. DATUM - NAD83 (CSRS) 3.0.D.BC.1.CRD, UTM ZONE 10
2. WORK POINTS ARE PROVIDED FOR REFERENCE. CONTRACTOR SHALL ESTABLISH SURVEY CONTROL MONUMENTS AS REQUIRED.

Revision/	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 90% REVIEW	16/11/04
0	ISSUED FOR 33% REVIEW	16/09/20

Client/Client  
**CANADA BORDER SERVICES AGENCY**

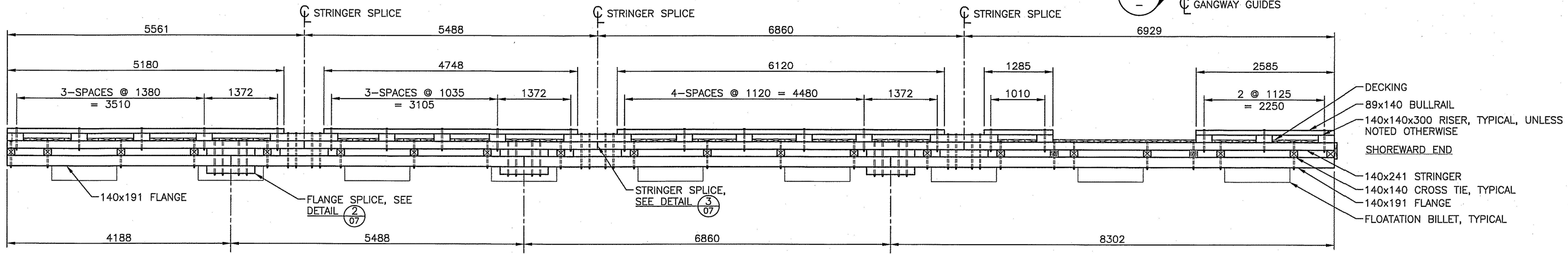
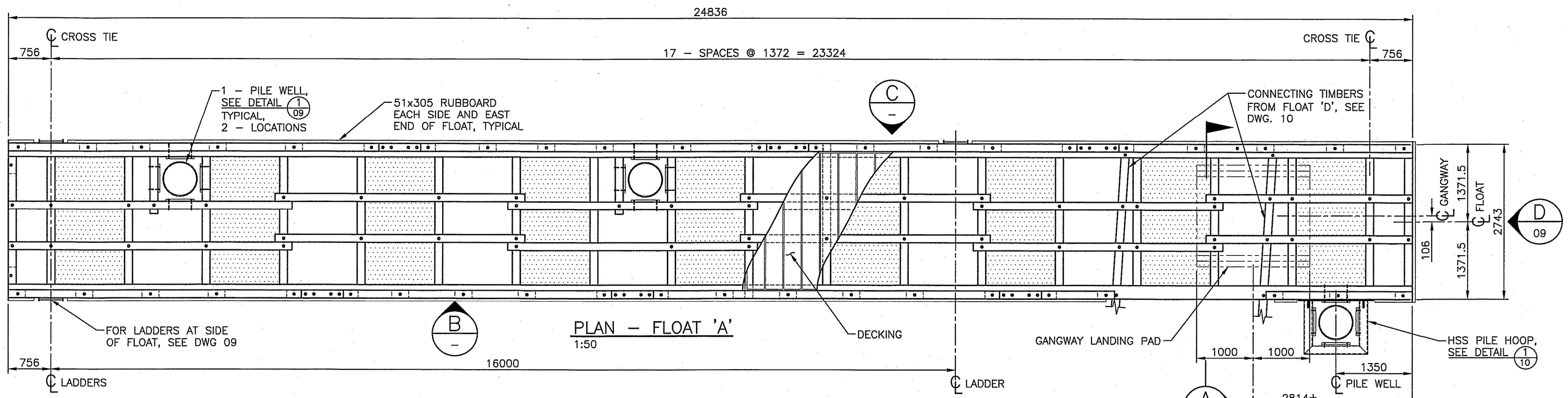
Project Title/Titre du projet  
**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT**

Consultant Signature Only  
Designed by/Concept par  
**HAM**  
Drawn by/Dessiné par  
**PHU**  
PWGSC Project Manager/Administrateur de Projets TPSGC  
**JULIAN HO**  
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC

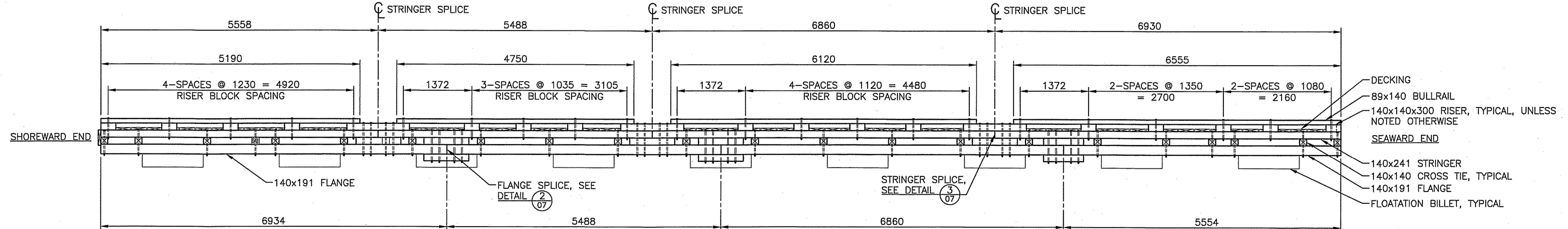
Drawing Title/Titre du dessin  
**MOORING PILE PLAN**

Project No./No. du projet <b>R.083172.001</b>	Sheet/Feuille <b>03</b> OF 12	Revision no./La Révision no. <b>2</b>
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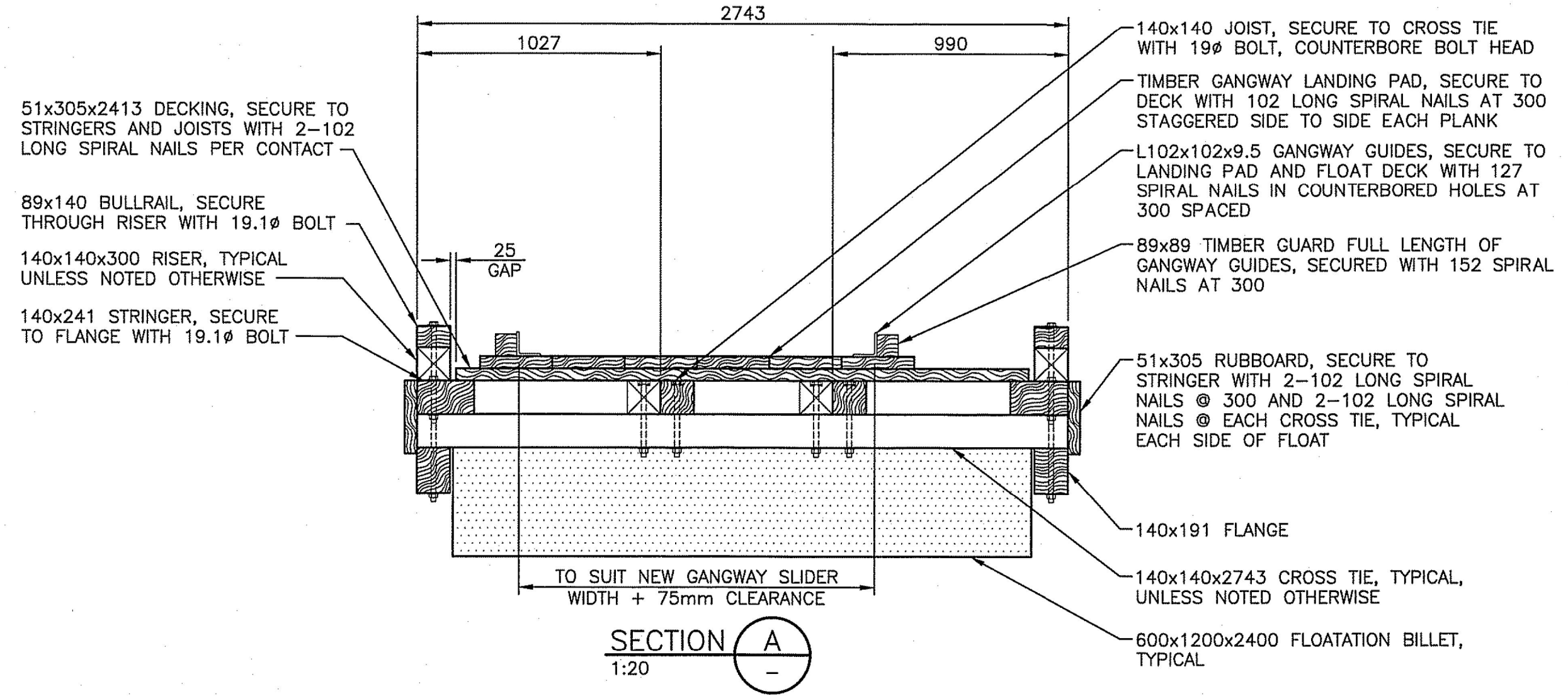




NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



Revision/	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 80% REVIEW	16/11/04
0	ISSUED FOR 60% REVIEW	16/09/20

CANADA BORDER SERVICES AGENCY

Project title/Titre du projet

**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT**

Consultant Signature Only

Designed by/Concept par

HAM

Drawn by/Dessiné par

PHU

PWGSC Project Manager/Administrateur de Projets TPSGC

JULIAN HO

Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architectural et de génie, TPSGC

Drawing title/Titre du dessin

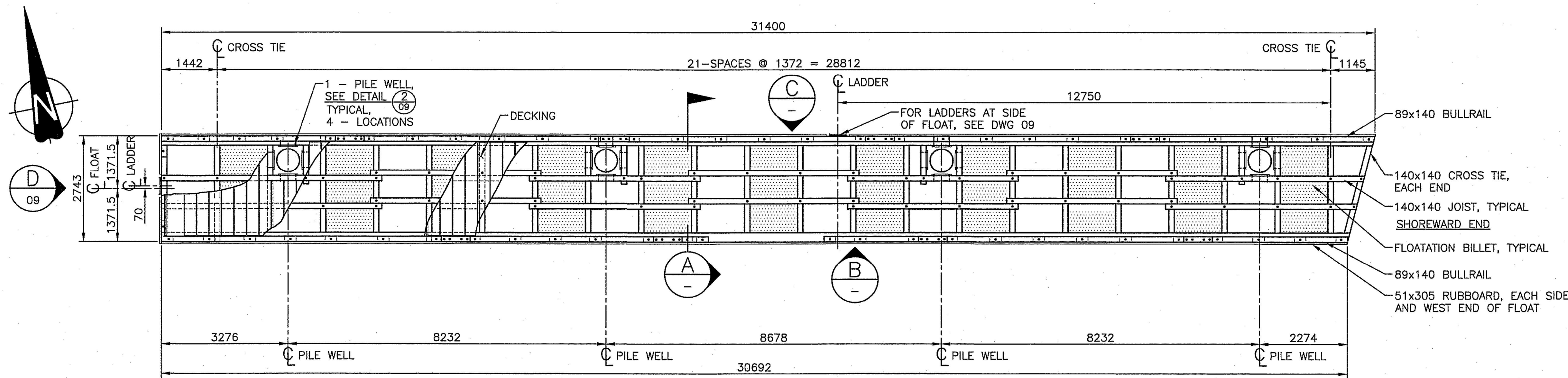
**FLOAT 'A' PLAN, VIEWS AND SECTION**

Project No./No. du projet  
**R.083172.001**

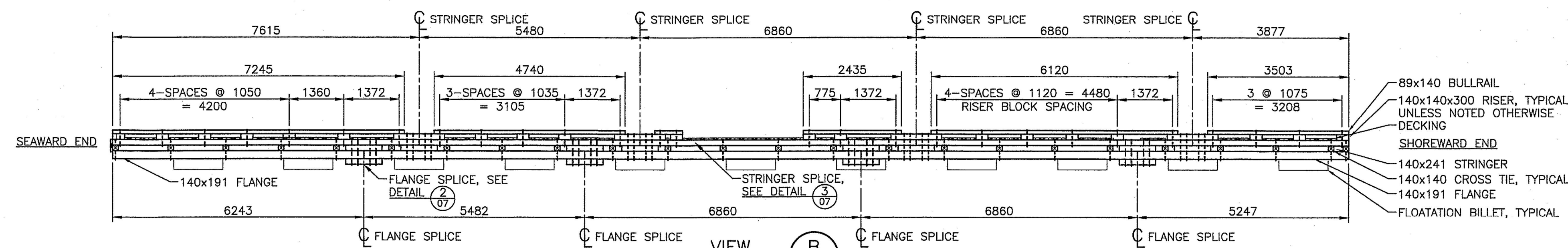
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**04**  
OF 12

Revision no./La Révision no.  
**2**



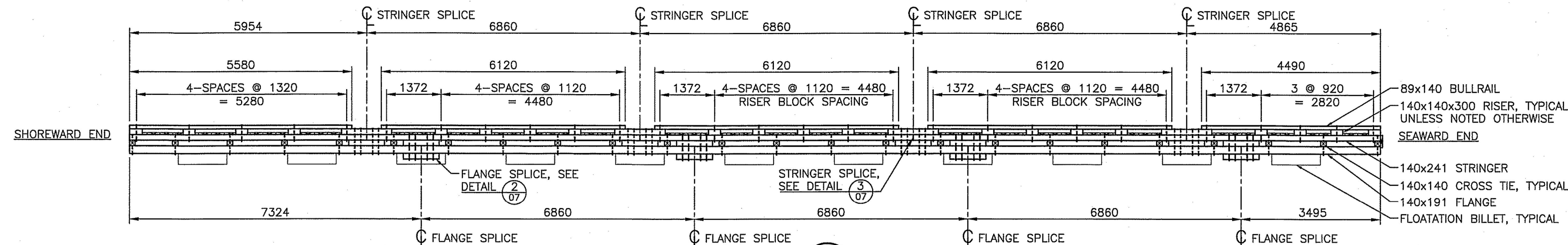


PLAN - FLOAT 'B'  
1:75



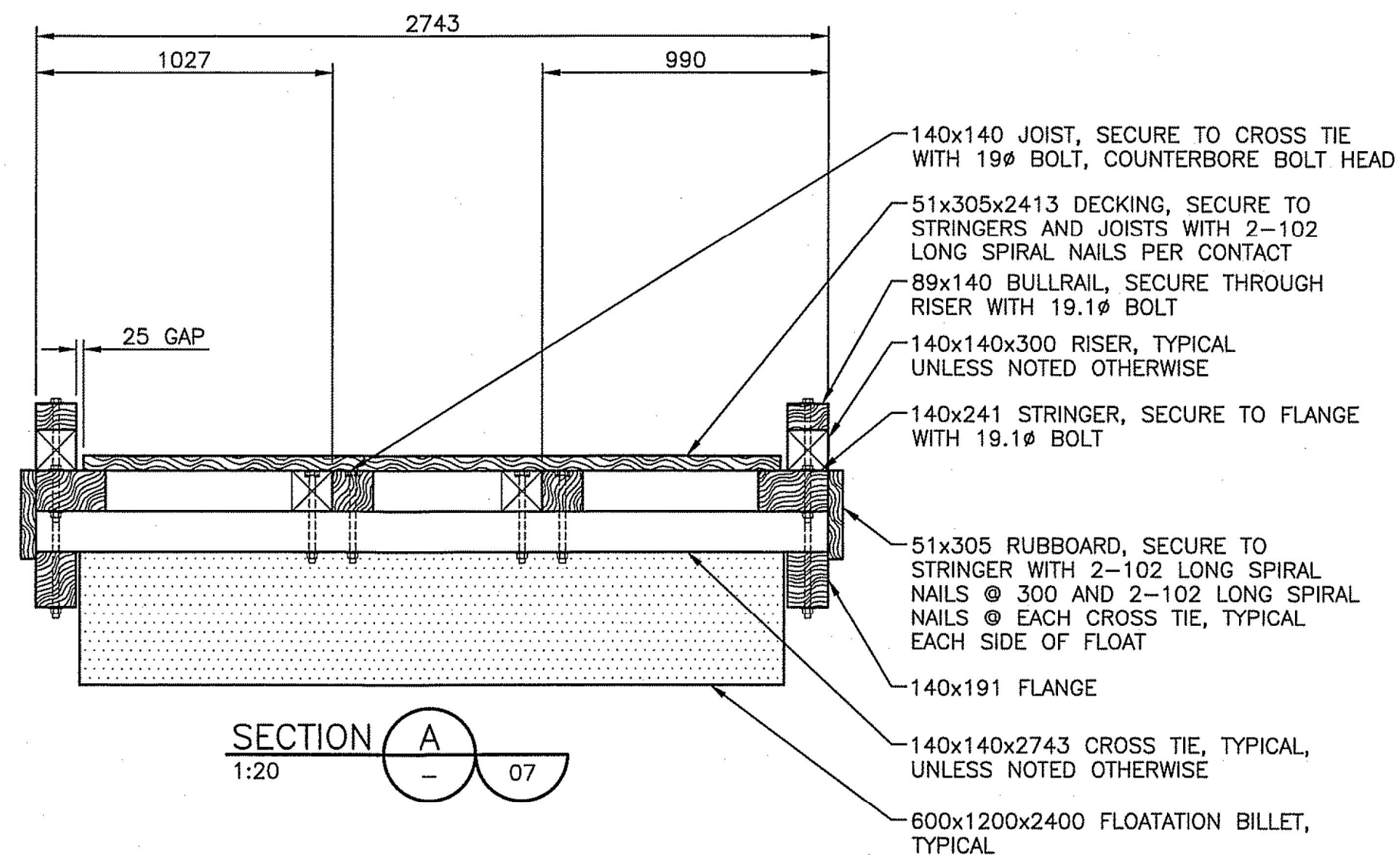
VIEW B  
1:75

NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.

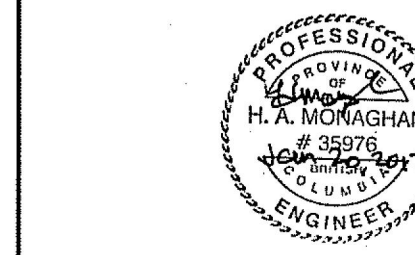


VIEW C  
1:75

NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



SECTION A  
1:20



Revision/Revisions	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 90% REVIEW	10/11/04
0	ISSUED FOR 80% REVIEW	16/09/20

Client/client  
**CANADA BORDER SERVICES AGENCY**

Project title/Titre du projet

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Consultant Signature Only

Designed by/Concept par  
**HAM**

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**PHU**

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Drawing title/Titre du dessin

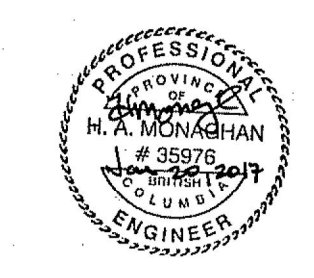
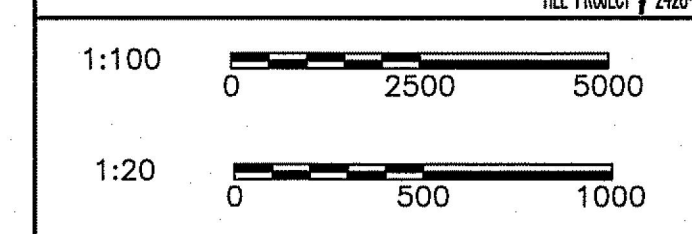
**FLOAT 'B'  
PLAN, VIEWS AND SECTION**

Project No./No. du projet  
**R.083172.001**

Sheet / Feuille  
**05**  
OF 12

Revision no./  
La Révision no.  
**2**





Revision/	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 90% REVIEW	16/11/04
0	ISSUED FOR 65% REVIEW	16/09/20
Revision/	Description/Description	Date/Date

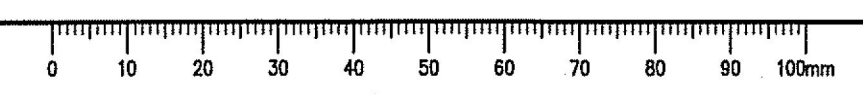
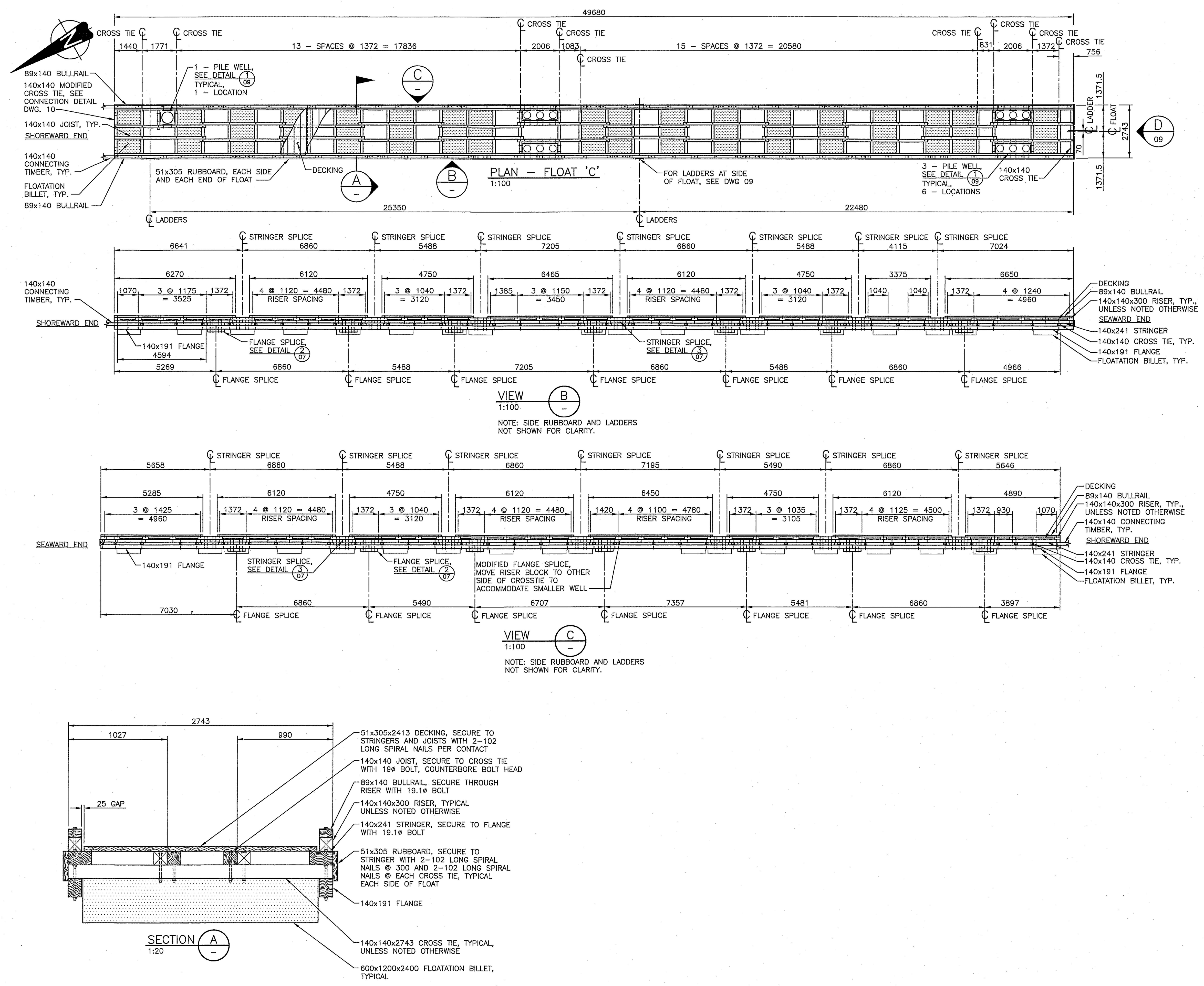
Client/Client  
**CANADA BORDER SERVICES AGENCY**

Project Title/Titre du projet  
**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR REDEVELOPMENT**

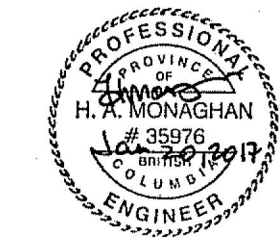
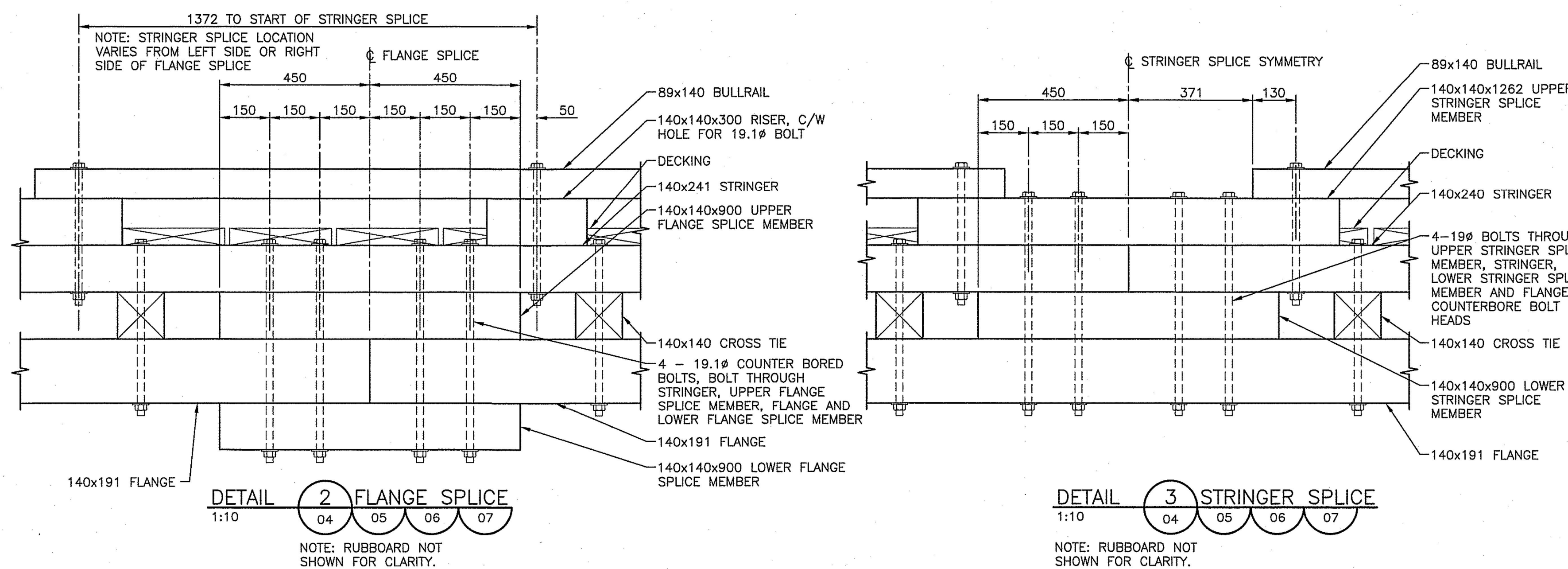
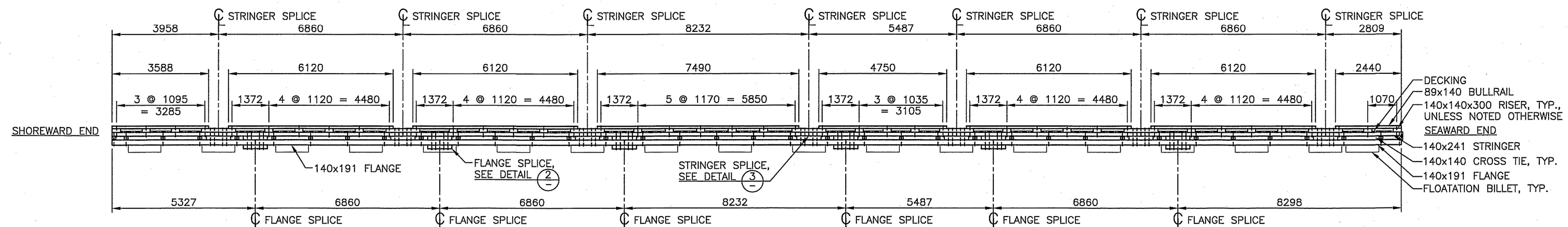
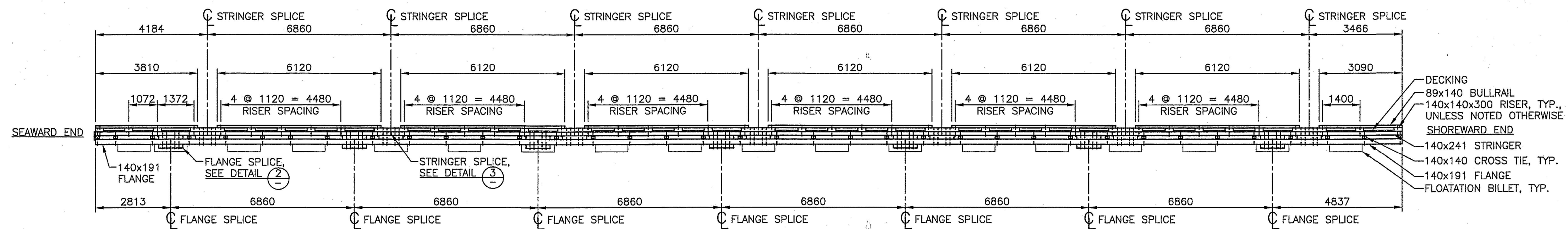
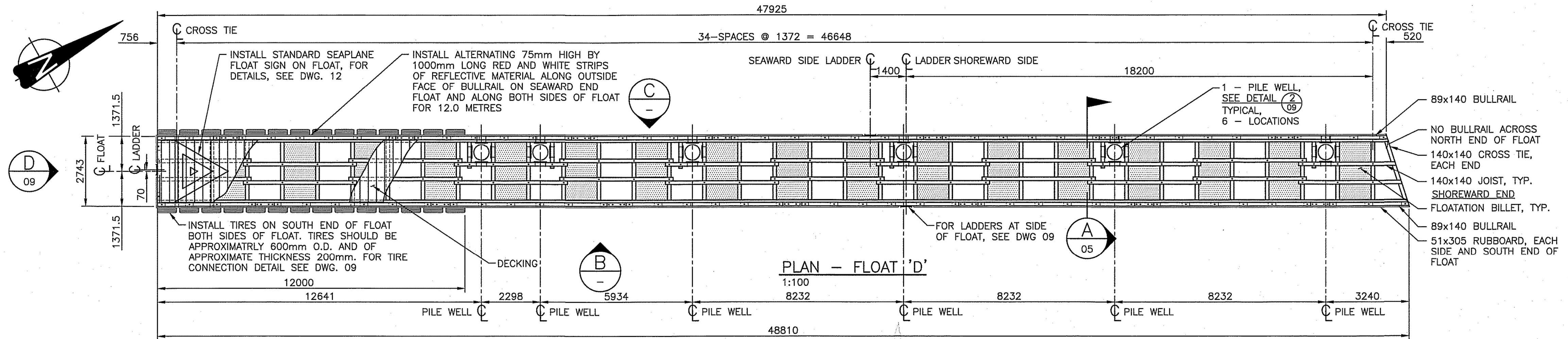
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**HAM**  
 Drawn by/Dessiné par  
**PHU**  
 PWGSC Project Manager/Administrateur de Projets TPSGC  
**JULIAN HO**  
 Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC

Drawing Title/Titre du dessin  
**FLOAT 'C'  
 PLAN, VIEWS AND SECTION**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
<b>R.083172.001</b>	<b>06</b> OF 12	<b>2</b>







Revision/Modification	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 80% REVIEW	16/11/04
0	ISSUED FOR 60% REVIEW	16/08/20

Client/client  
**CANADA BORDER SERVICES AGENCY**

Project title/Titre du projet  
**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT**

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**PHU**  
 PWGSC Project Manager/Administrateur de Projets TPSCG  
**JULIAN HO**  
 Regional Manager, Architectural and Engineering Services,  
 Gestionnaire régional, Services d'architecture et de génie, TPSCG

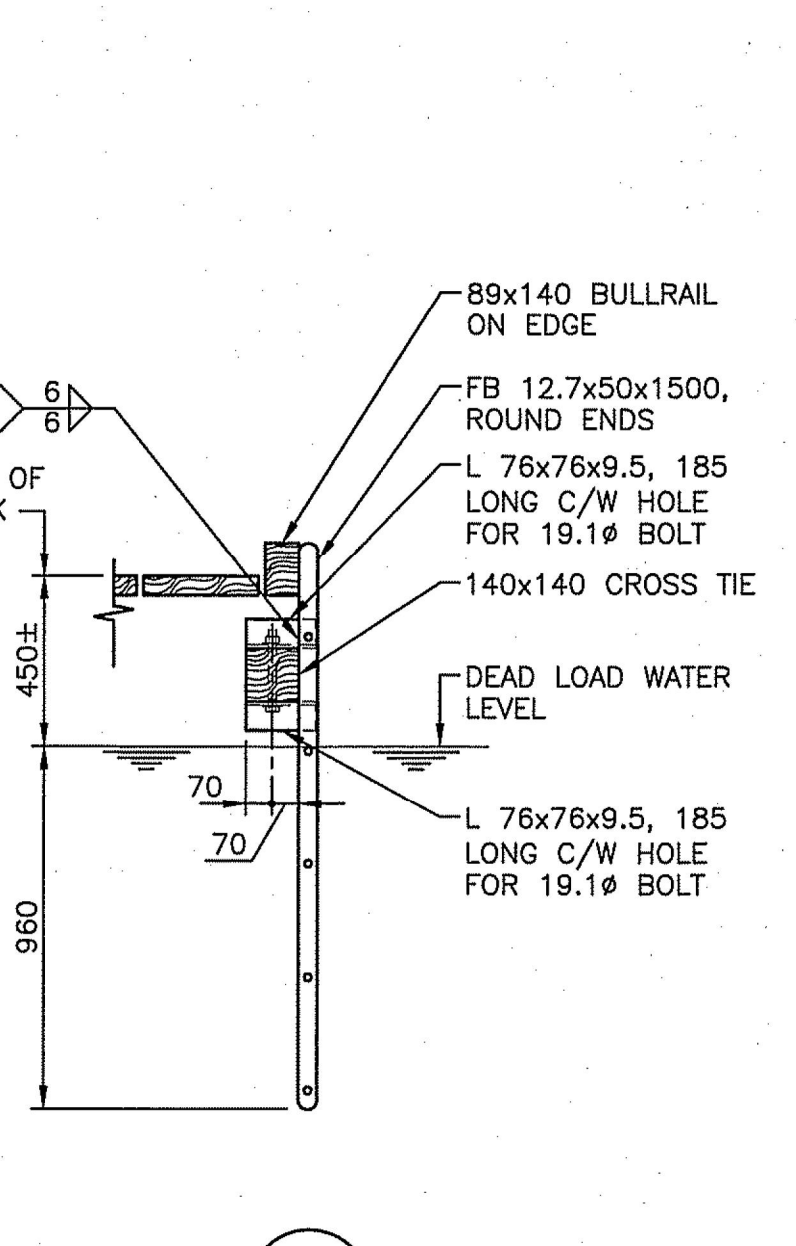
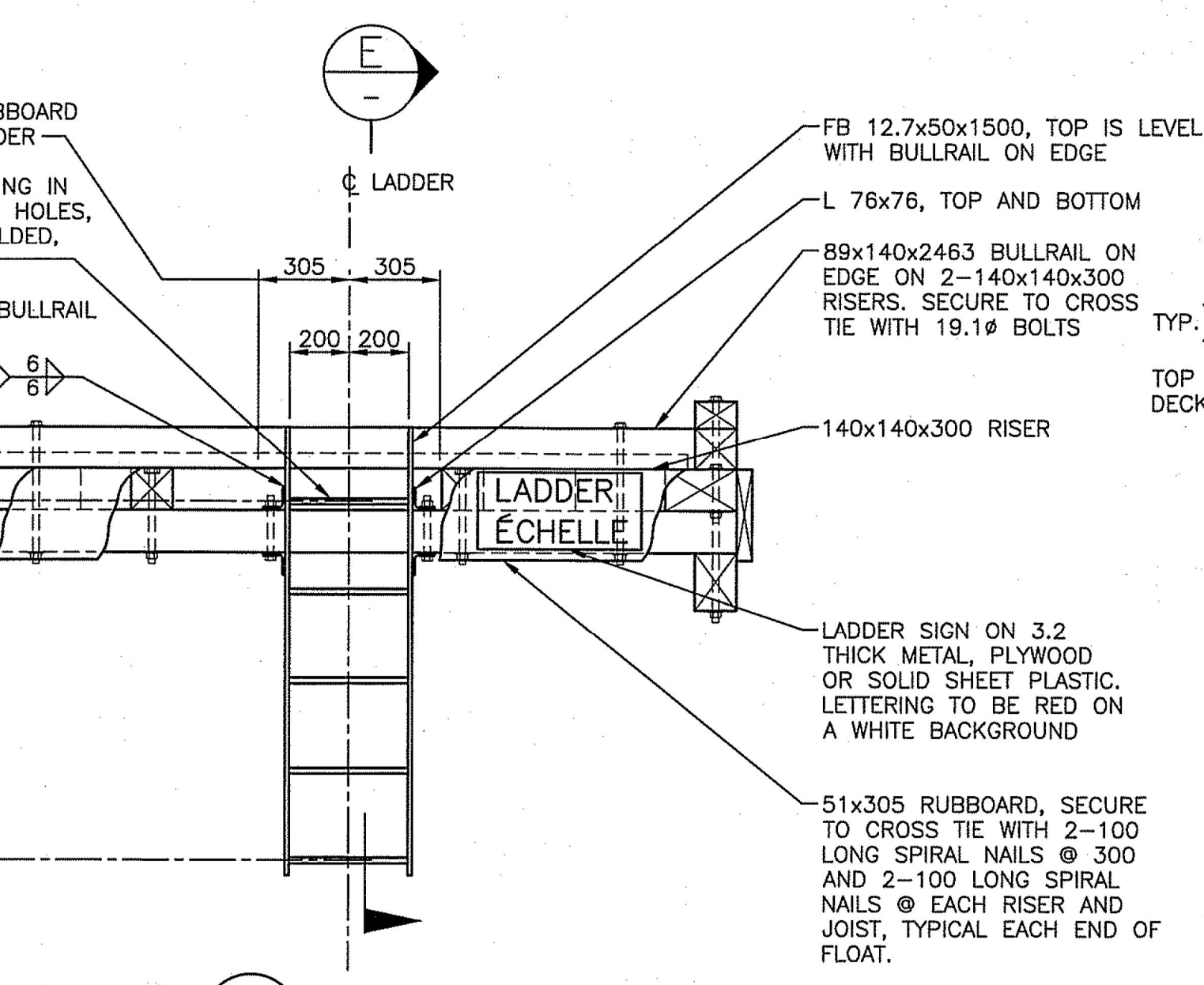
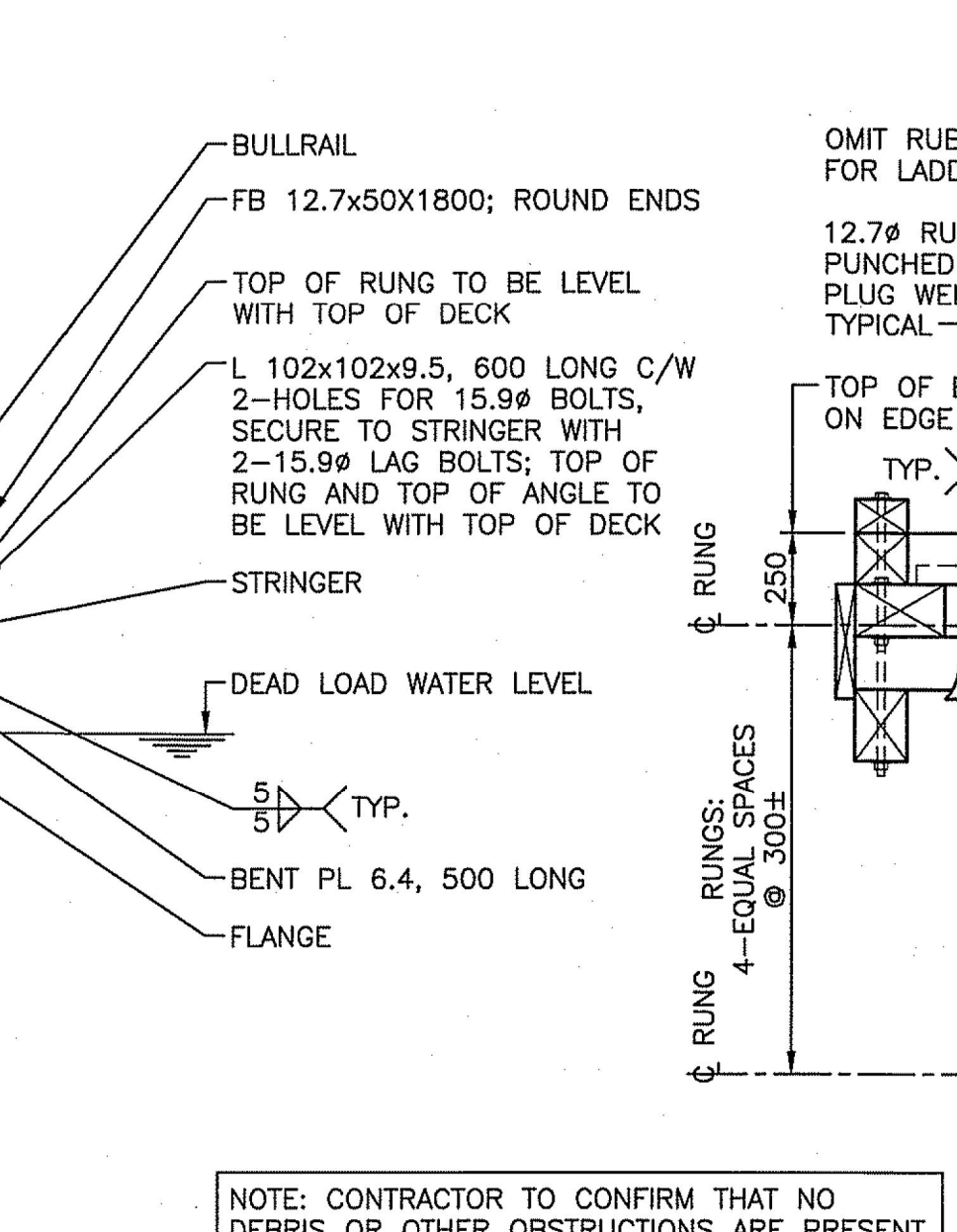
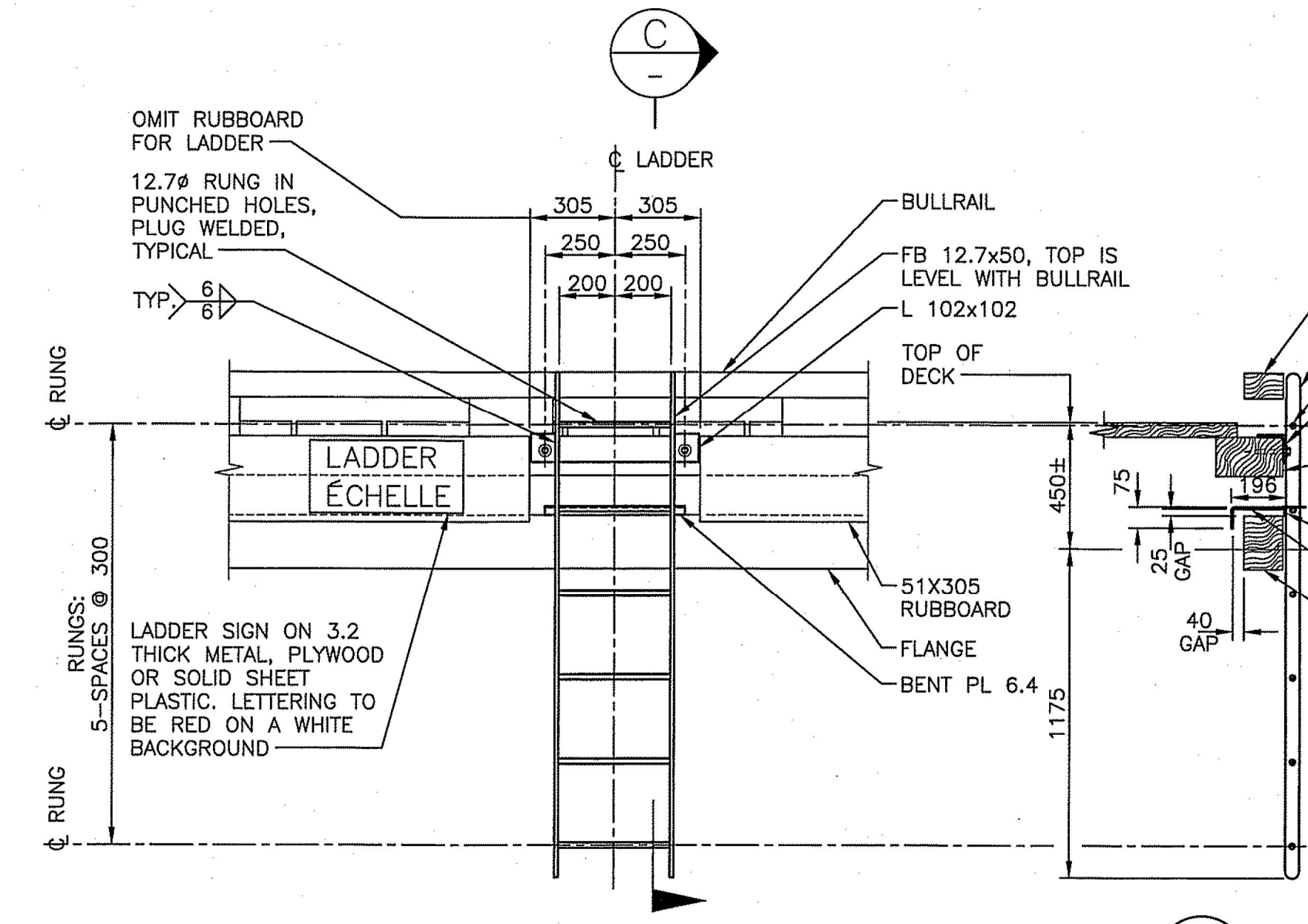
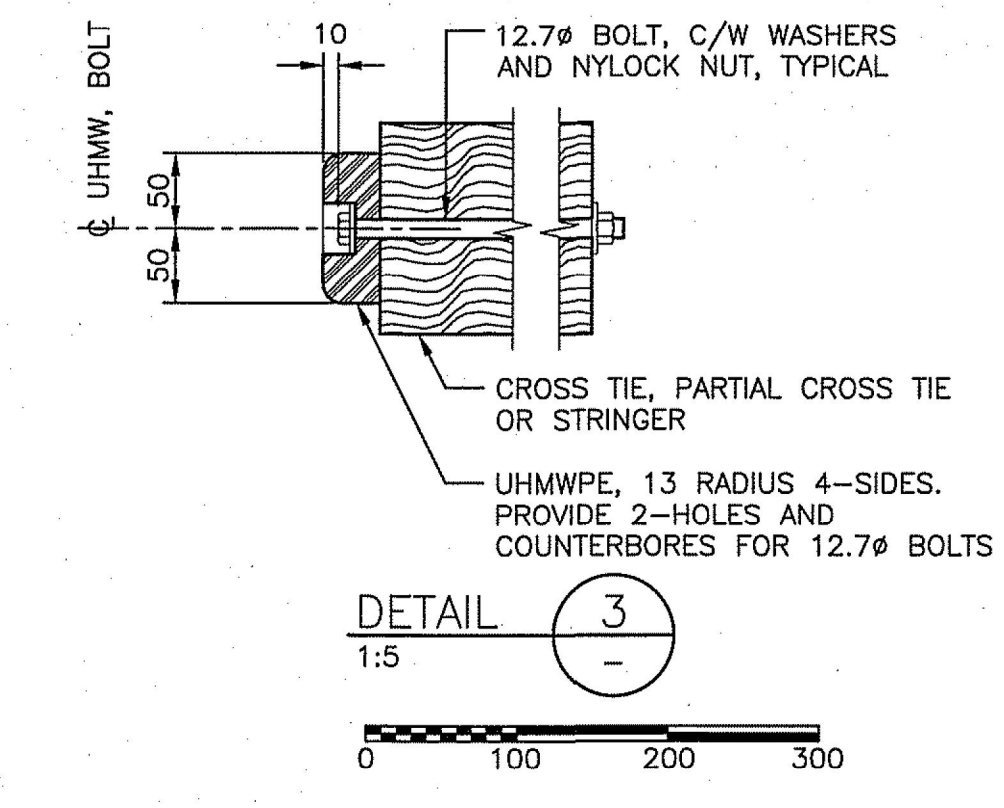
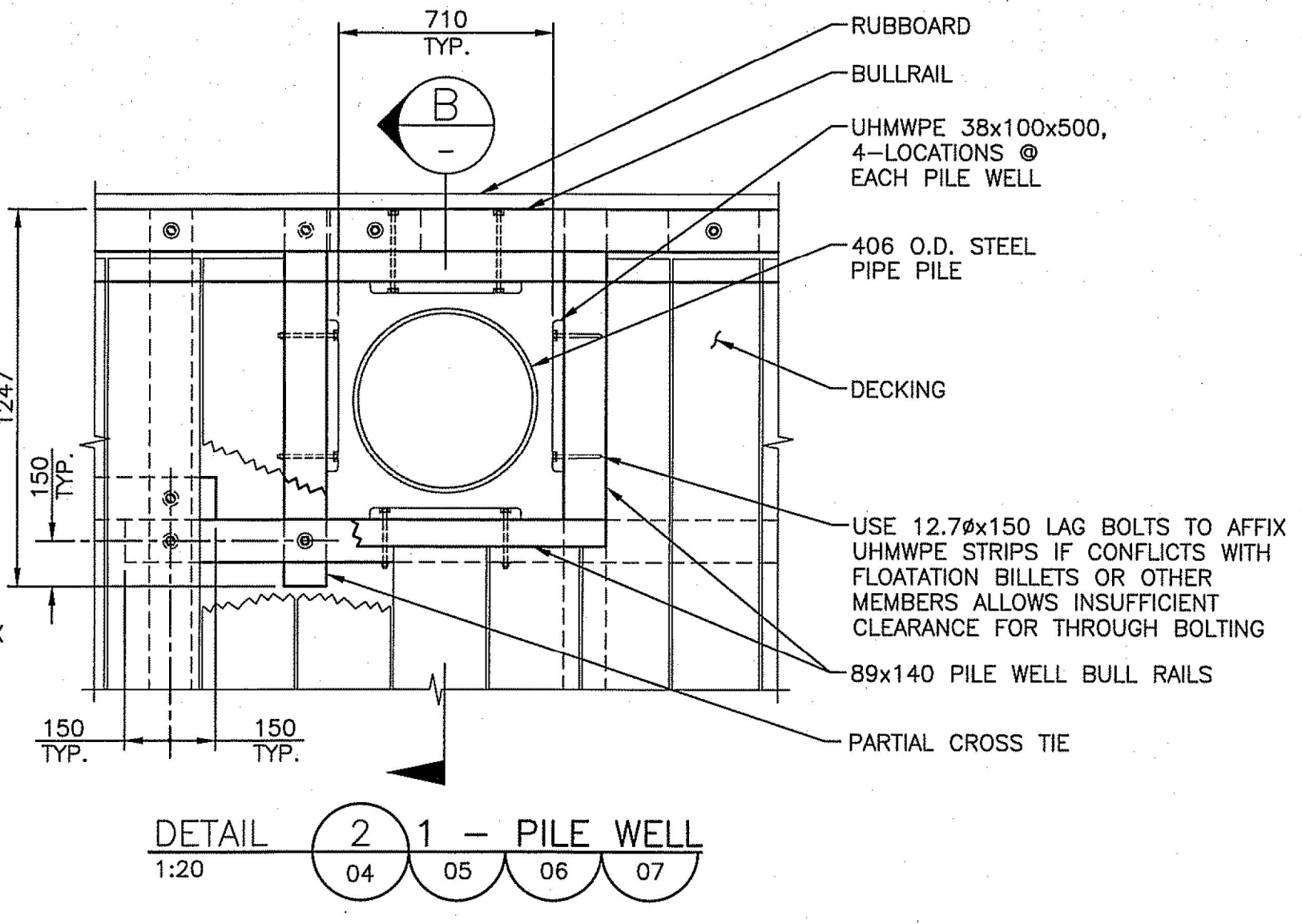
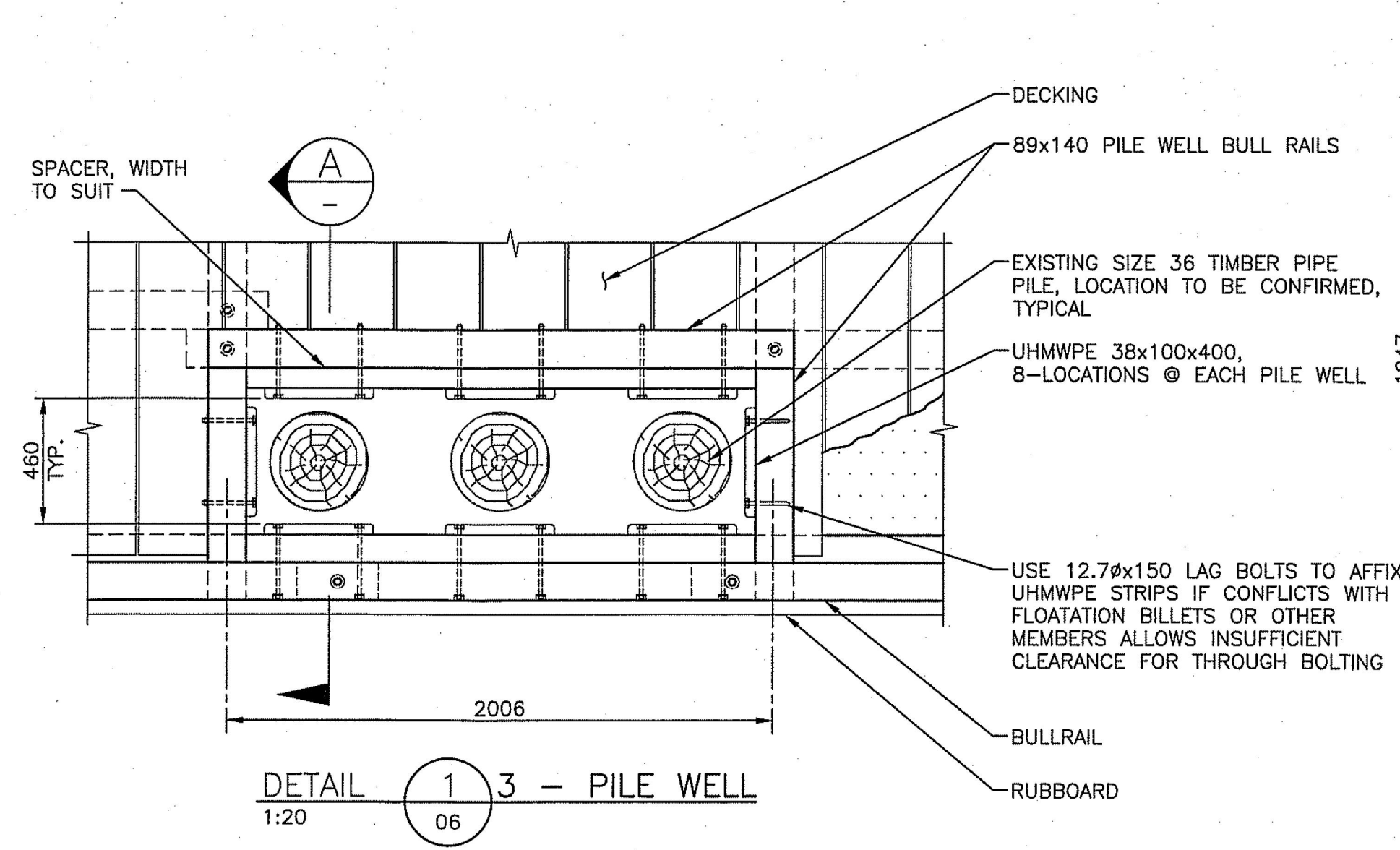
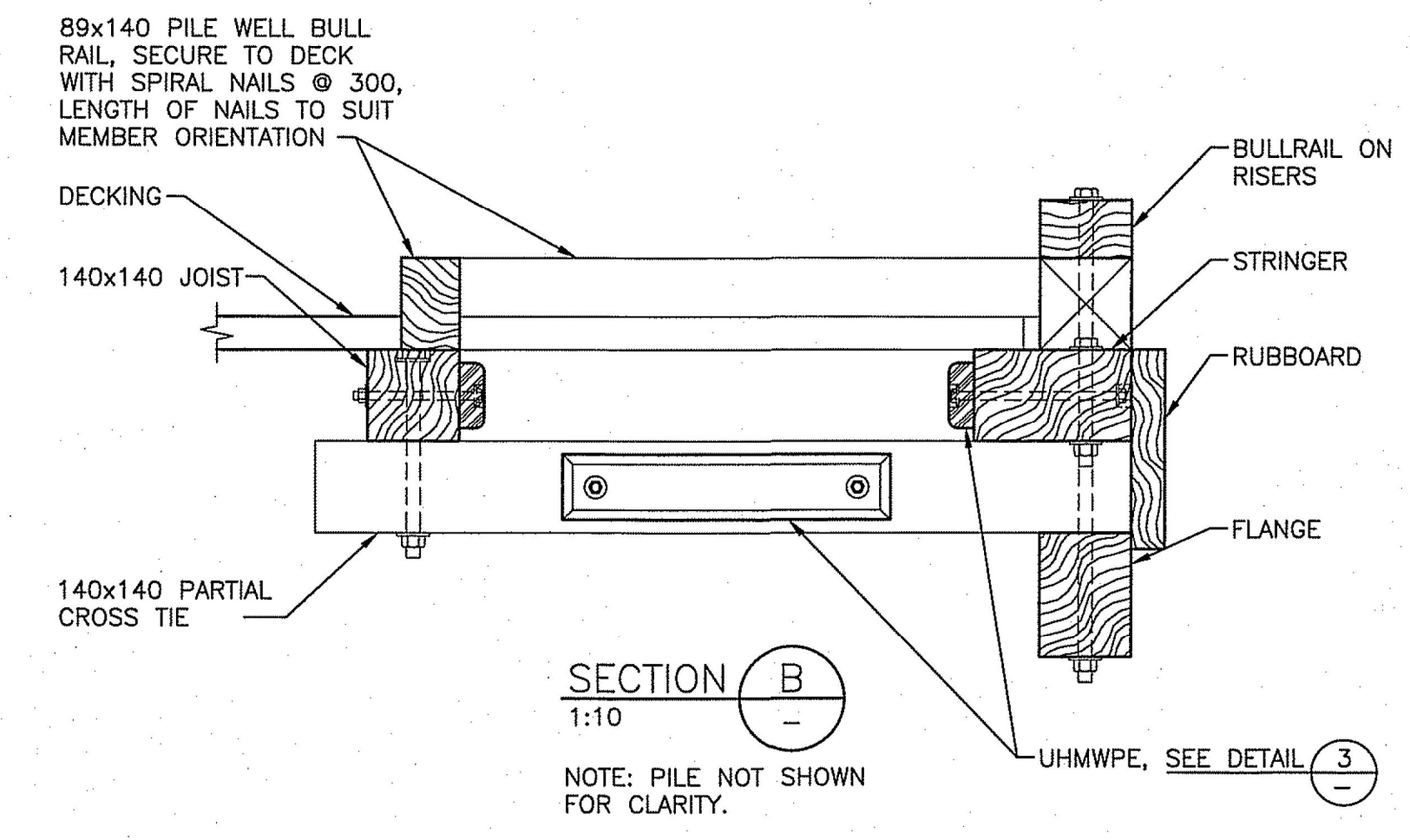
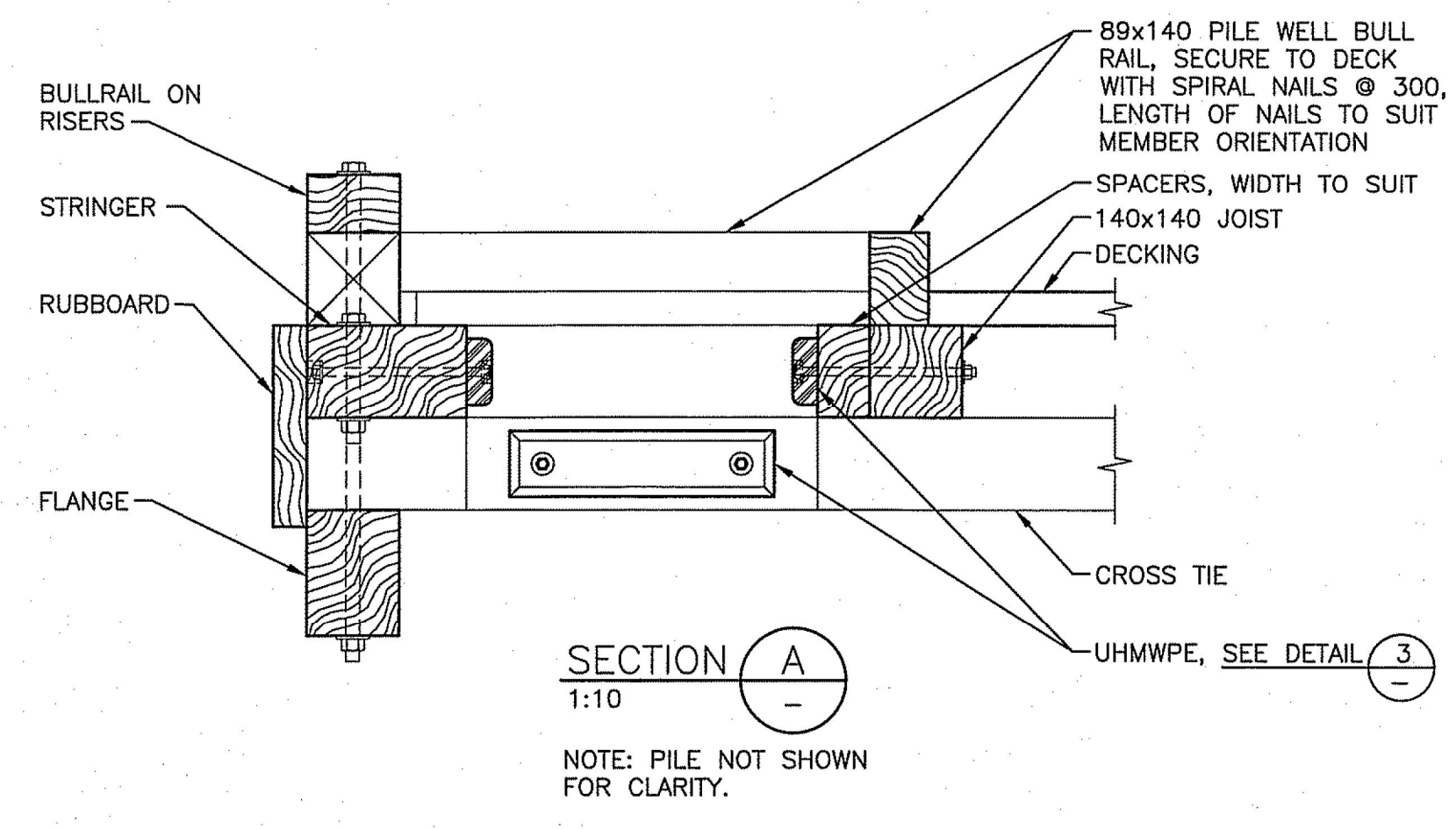
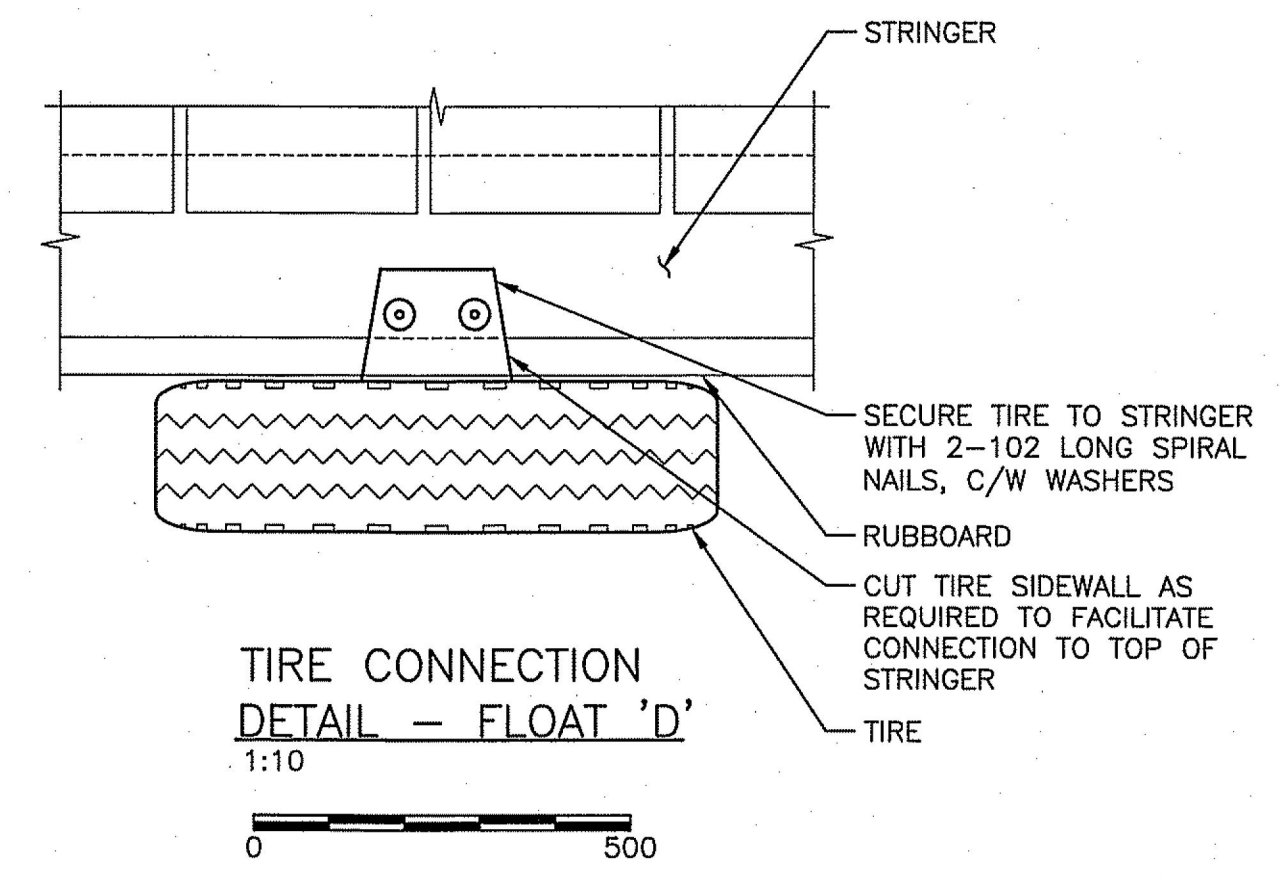
Drawing title/Titre du dessin  
**FLOAT 'D' PLAN, VIEWS AND DETAILS**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
<b>R.083172.001</b>	<b>07</b> OF 12	<b>2</b>









NOTE: CONTRACTOR TO CONFIRM THAT NO DEBRIS OR OTHER OBSTRUCTIONS ARE PRESENT ON THE SEA FLOOR IN THE INTENDED LOCATION OF THE LADDERS. IF FOUND, CONTACT THE DEPARTMENT REPRESENTATIVE FOR INSTRUCTION PRIOR TO INSTALLATION.

NOTES:  
1. ENTIRE LADDER ASSEMBLY TO BE HOT DIPPED GALVANIZED.  
2. 3 - REQUIRED, FOR LOCATIONS, SEE DWGS. 05, 06 AND 07.  
3. NO LADDER REQUIRED FOR FLOAT 'A' RISER AND BULLRAIL DETAILS SIMILAR.

3		
2		
1	ISSUED FOR TENDER	17/01/20
0	ISSUED FOR 80% REVIEW	16/11/04
Revision/	Description/Description	Date/Date
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**CANADA BORDER SERVICES AGENCY**

**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT**

Consultant Signature Only

Designed by/Concept par  
HAM

Drawn by/Desainé par  
JJMC

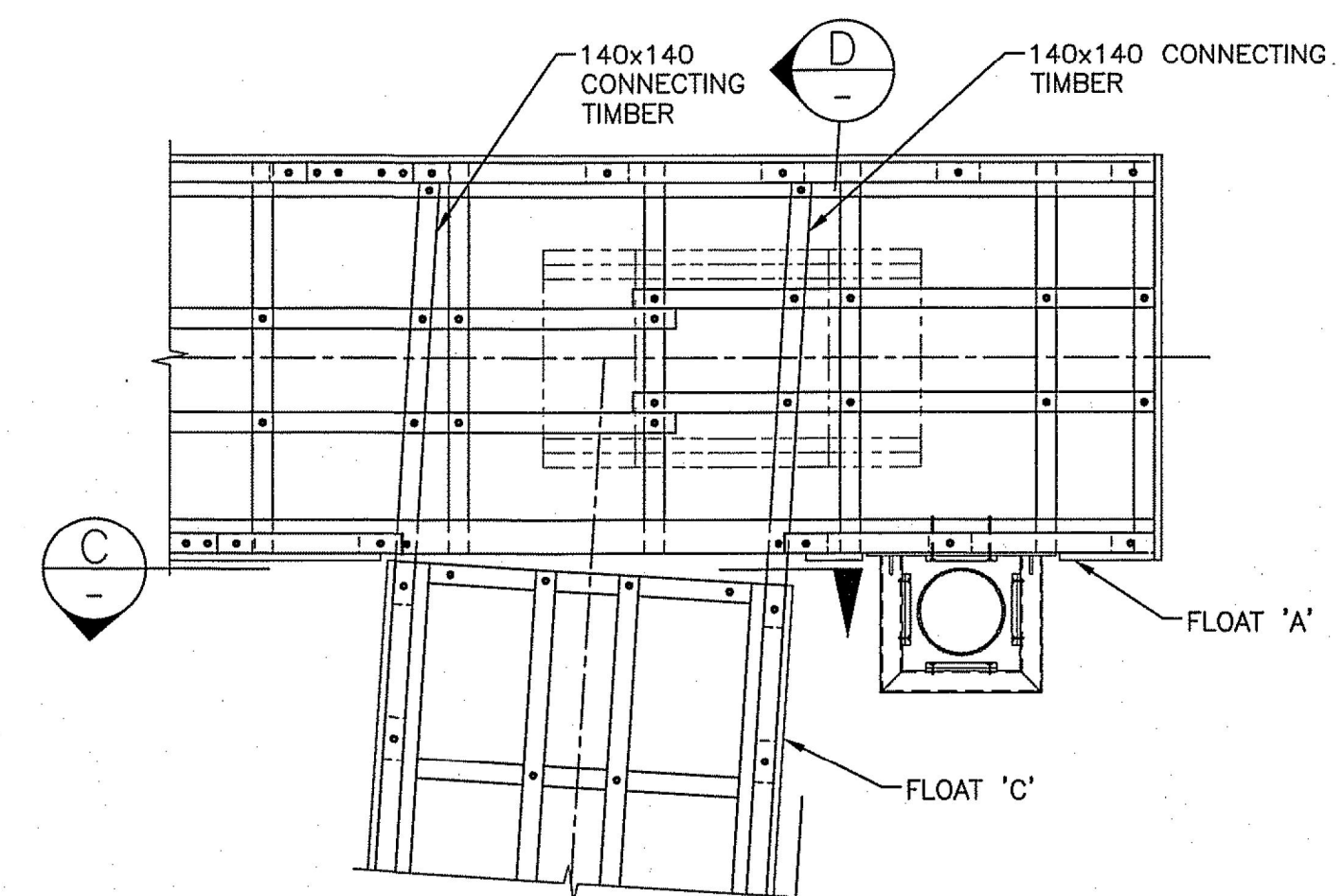
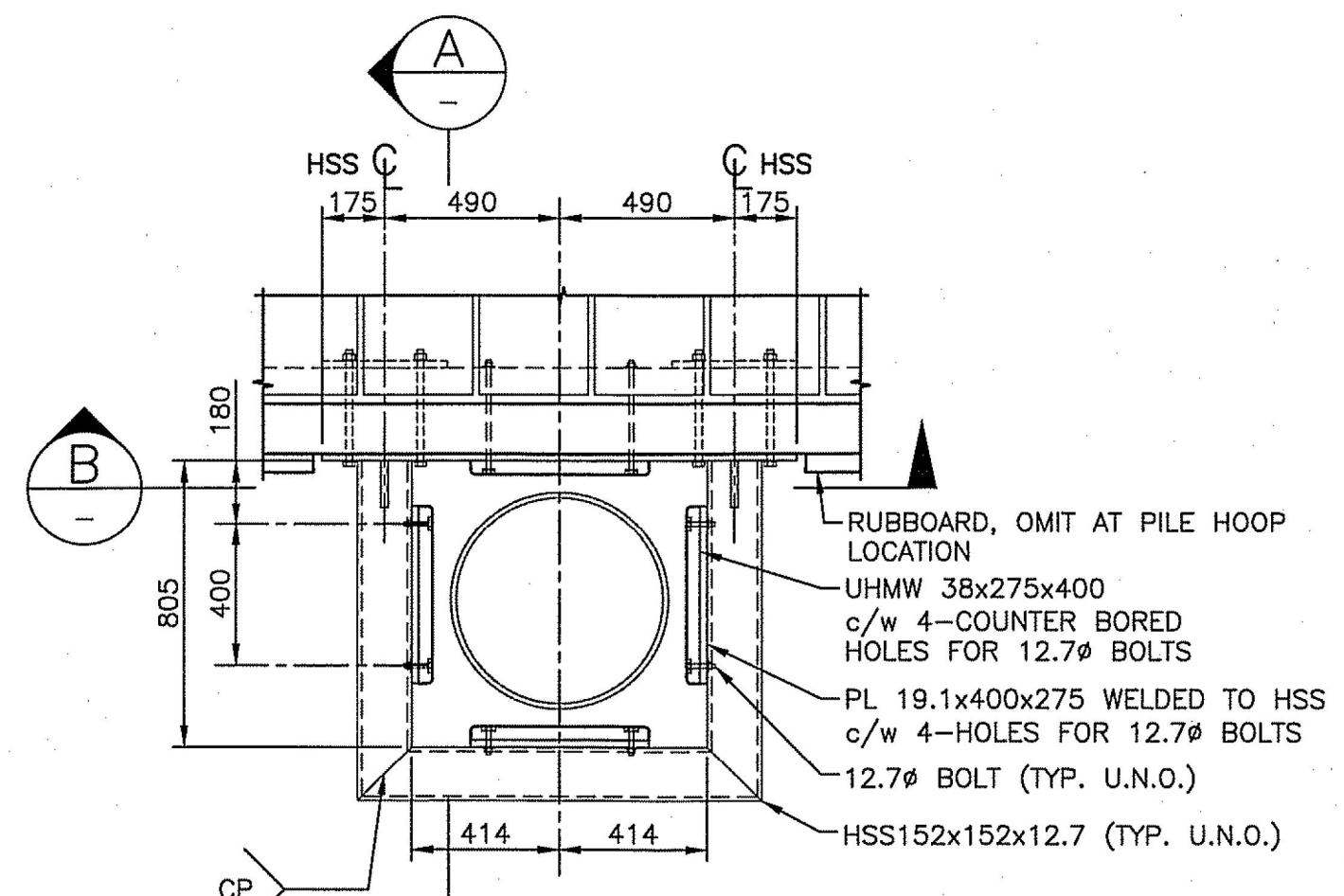
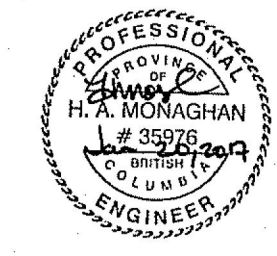
PWGC Project Manager/Administrateur de Projets TPSCG  
JULIAN HO

Regional Manager, Architectural and Engineering Services  
Gestionnaire régional, Services d'architectural et de génie, TPSCG

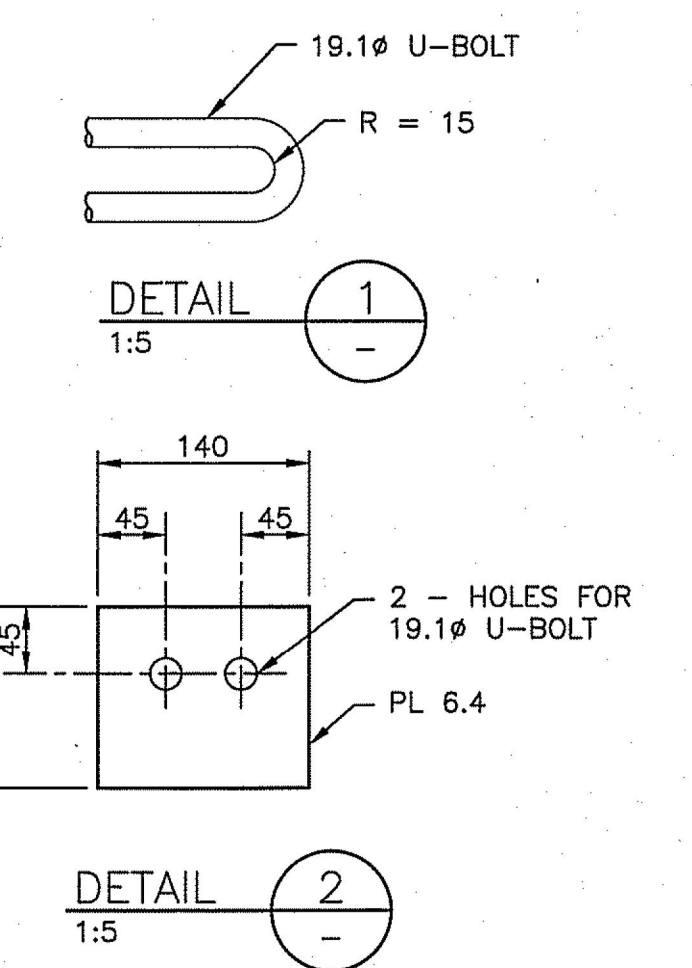
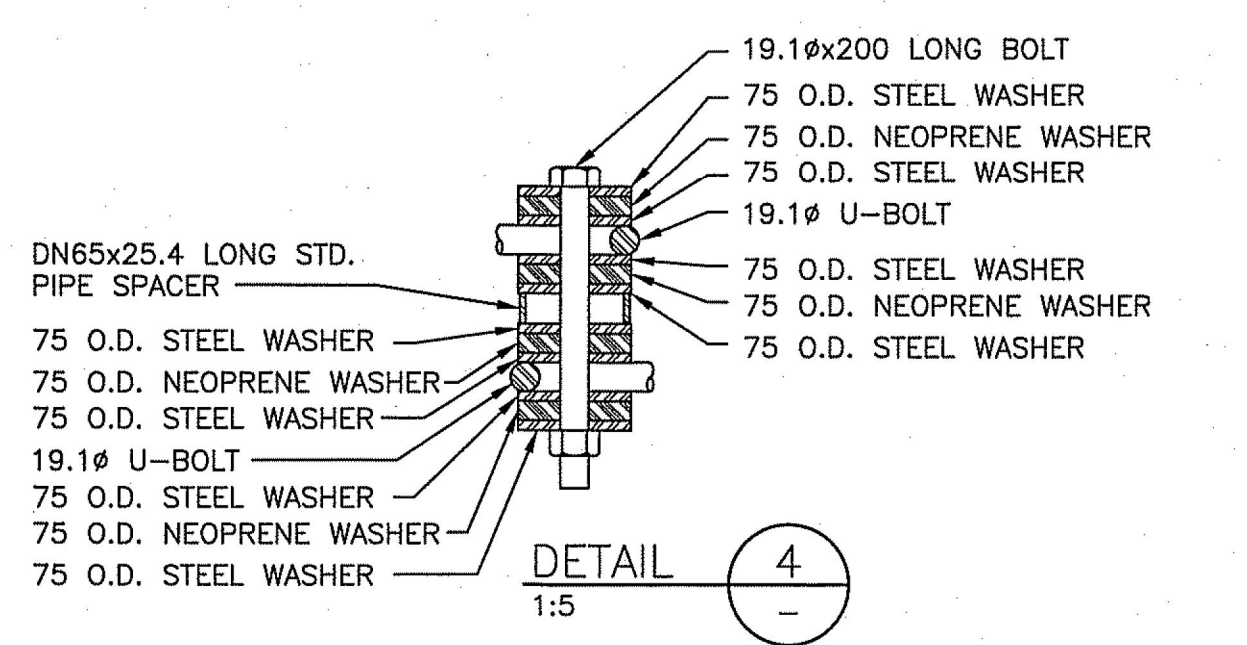
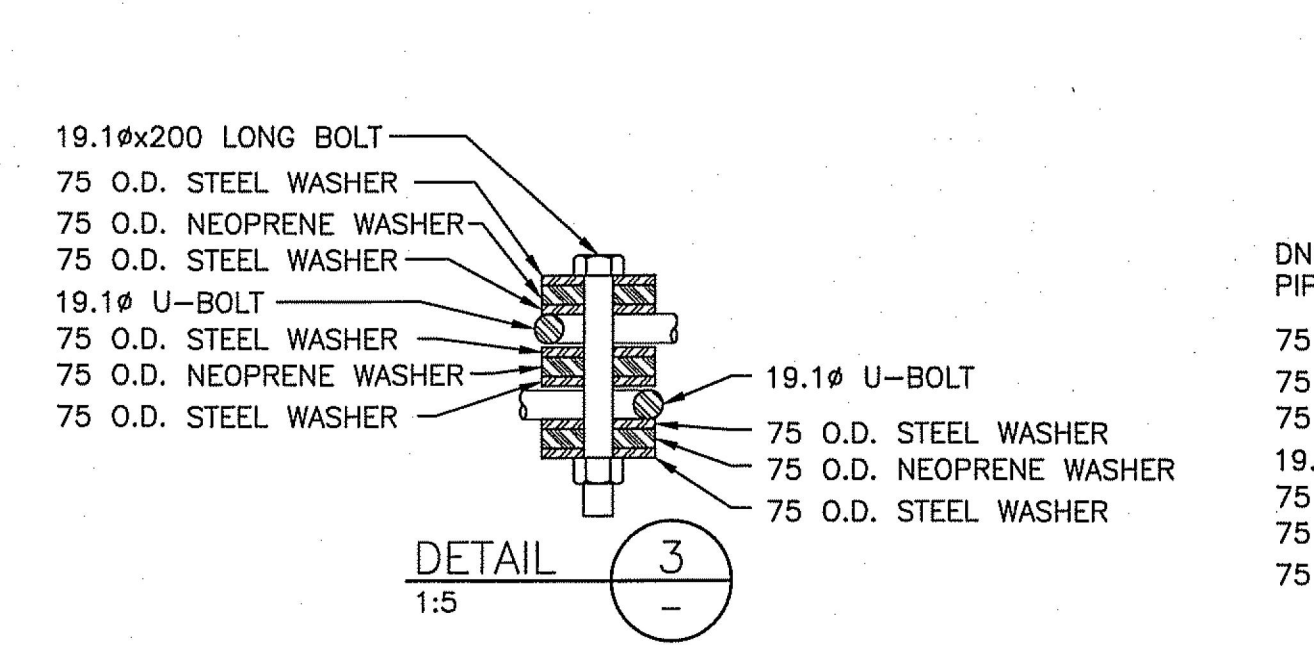
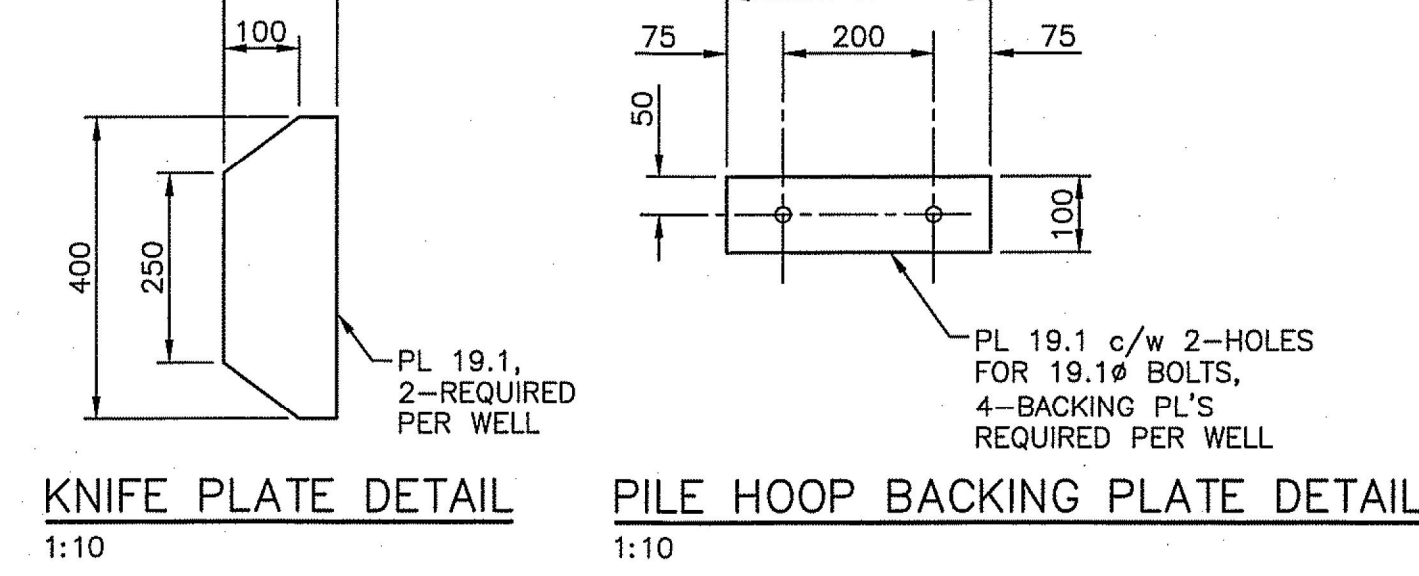
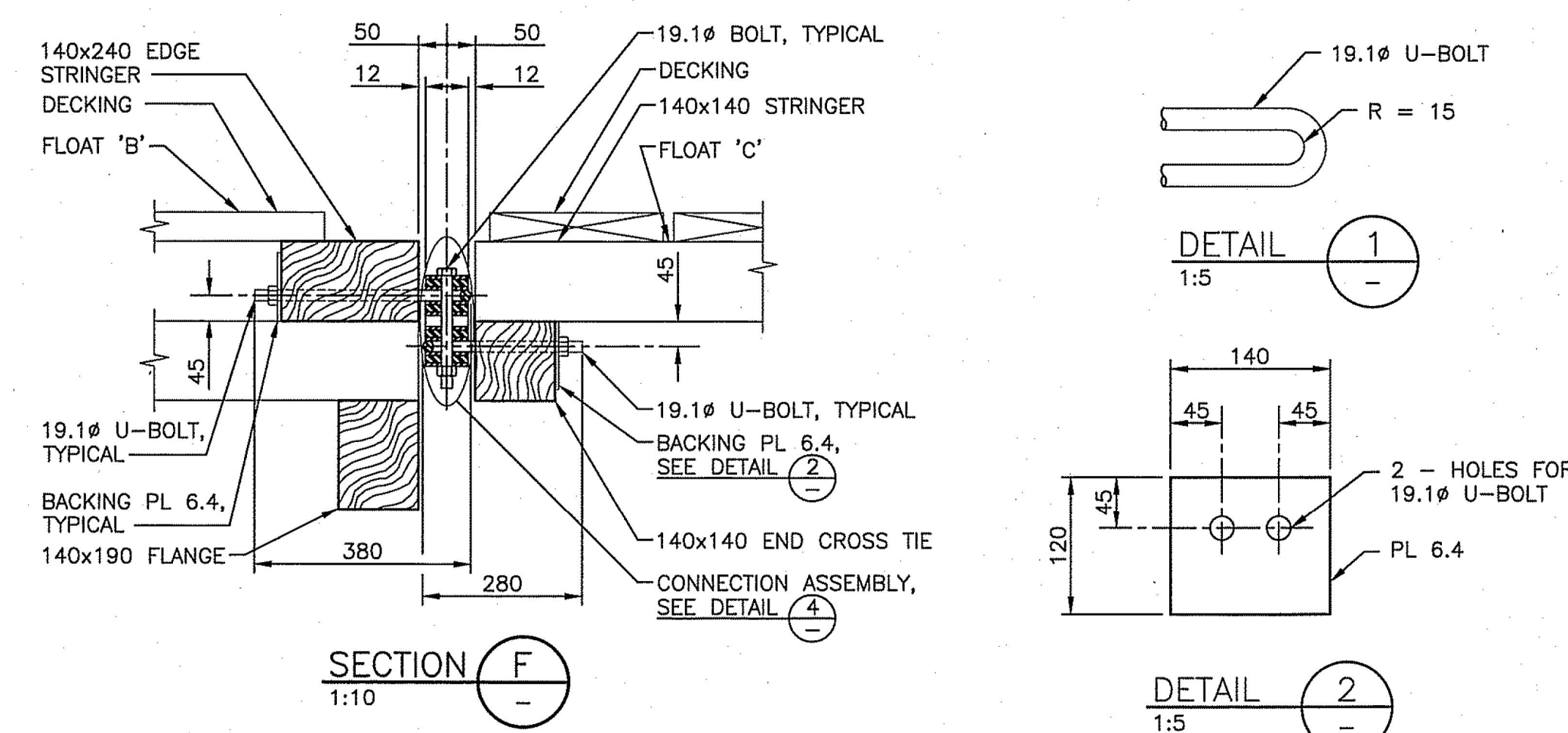
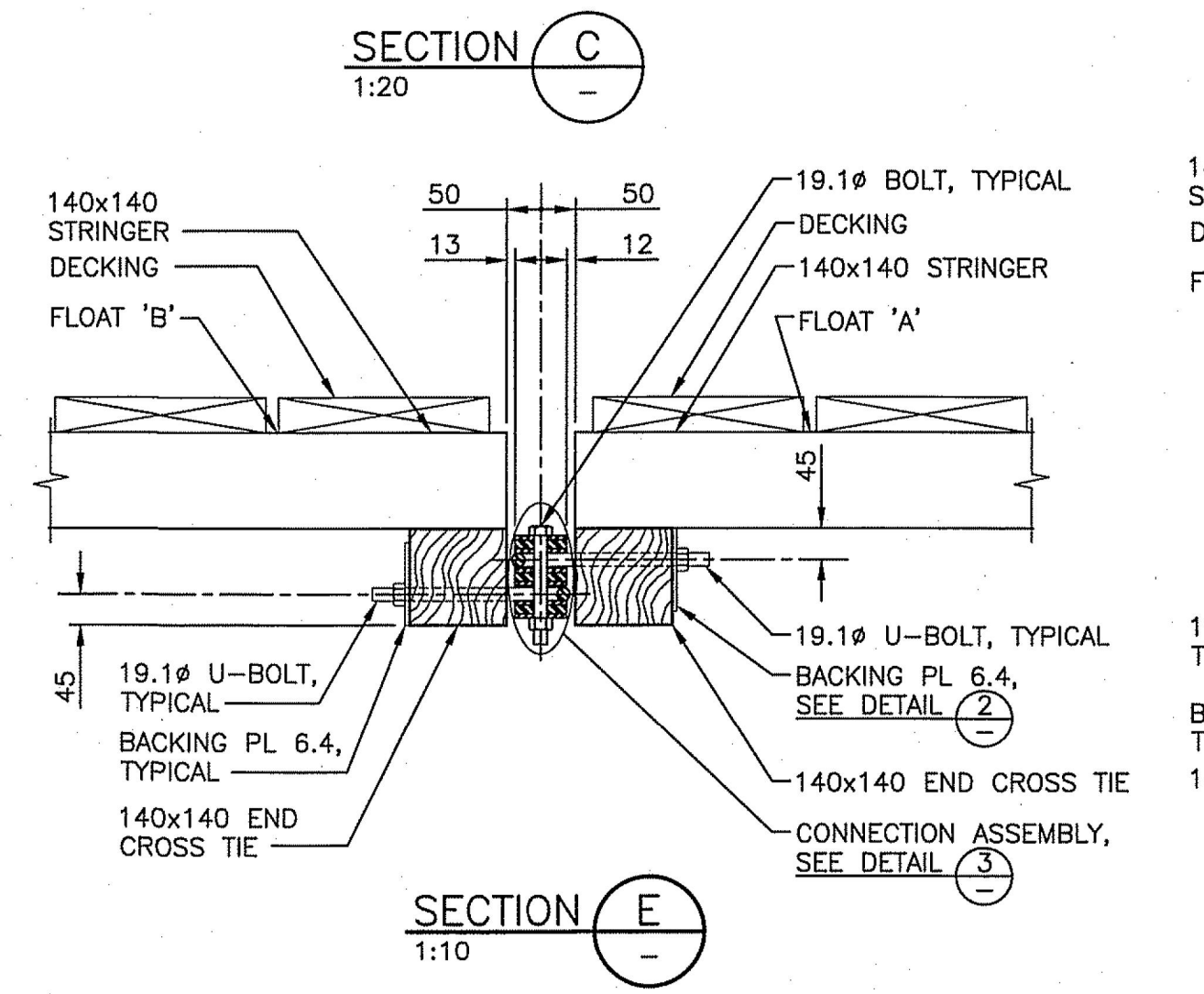
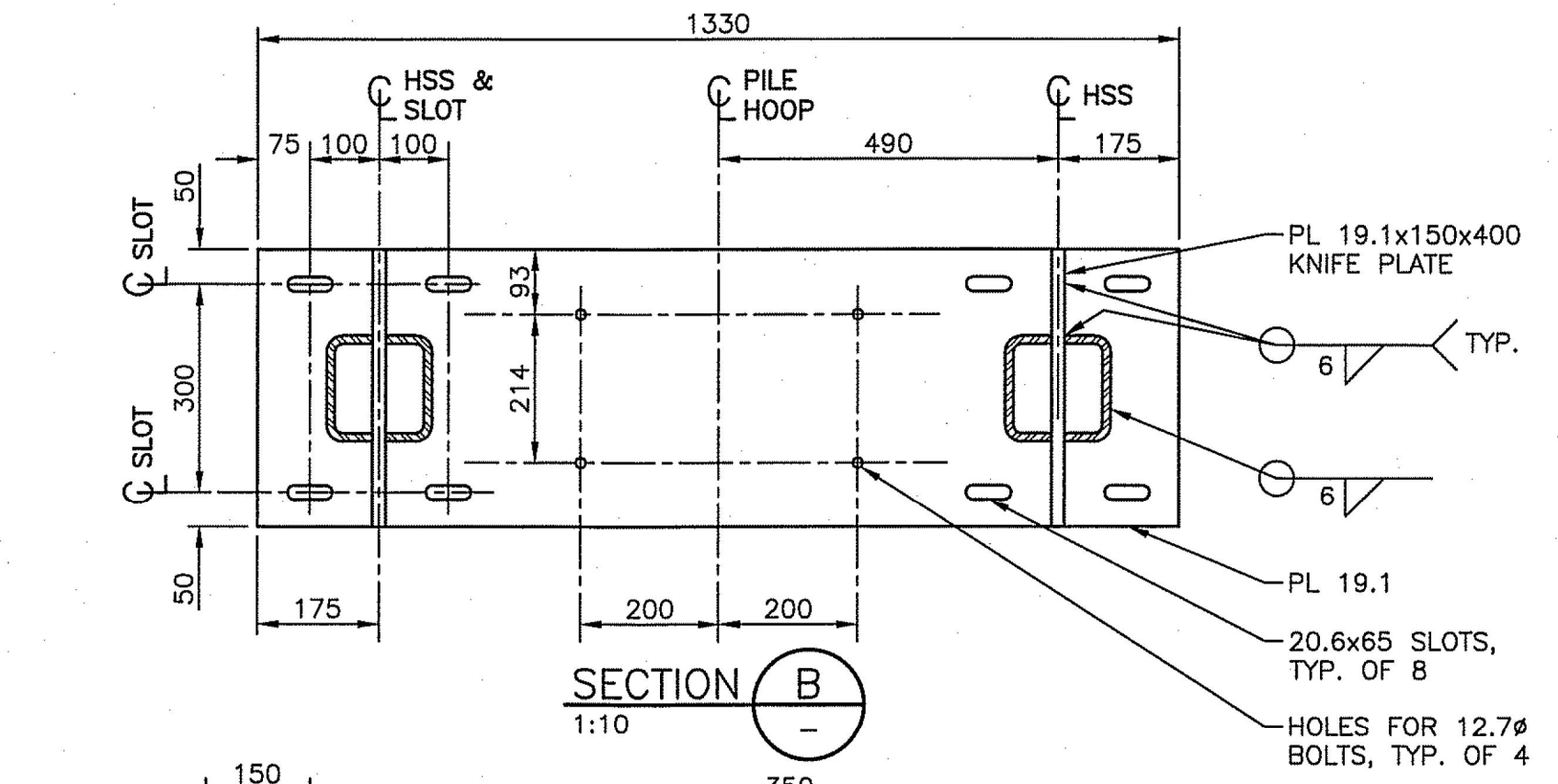
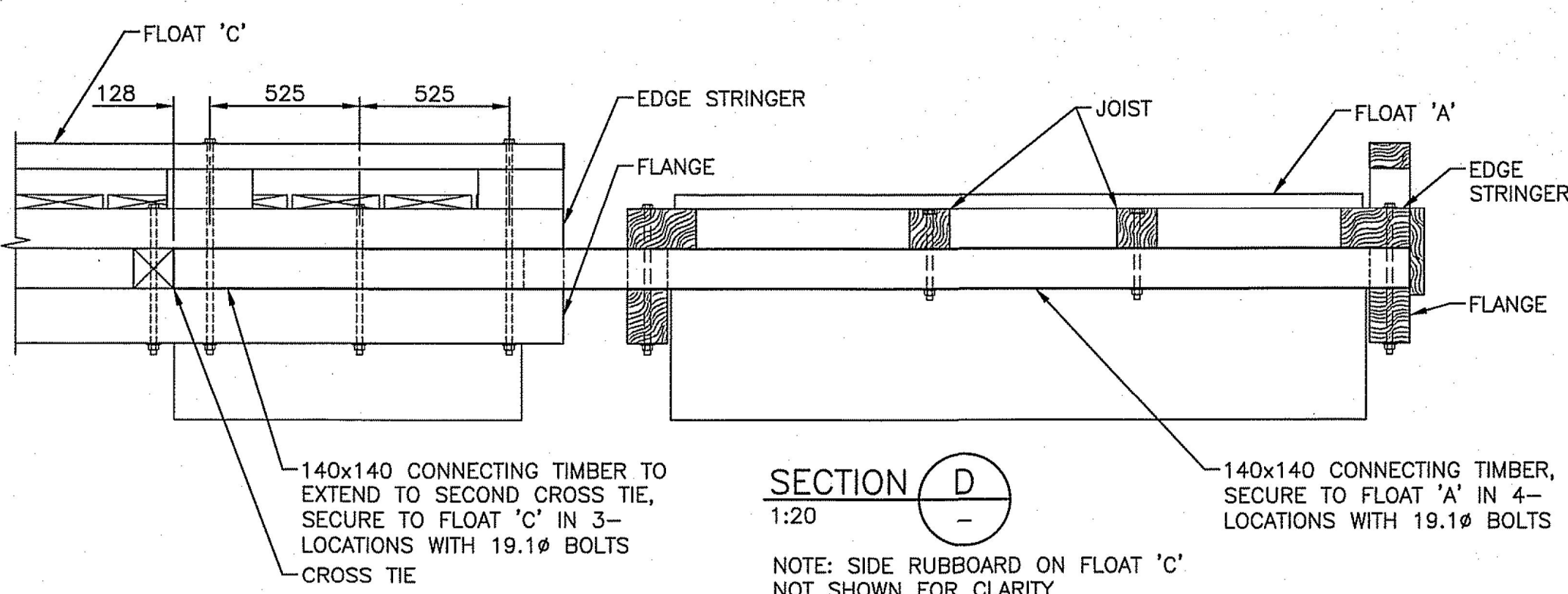
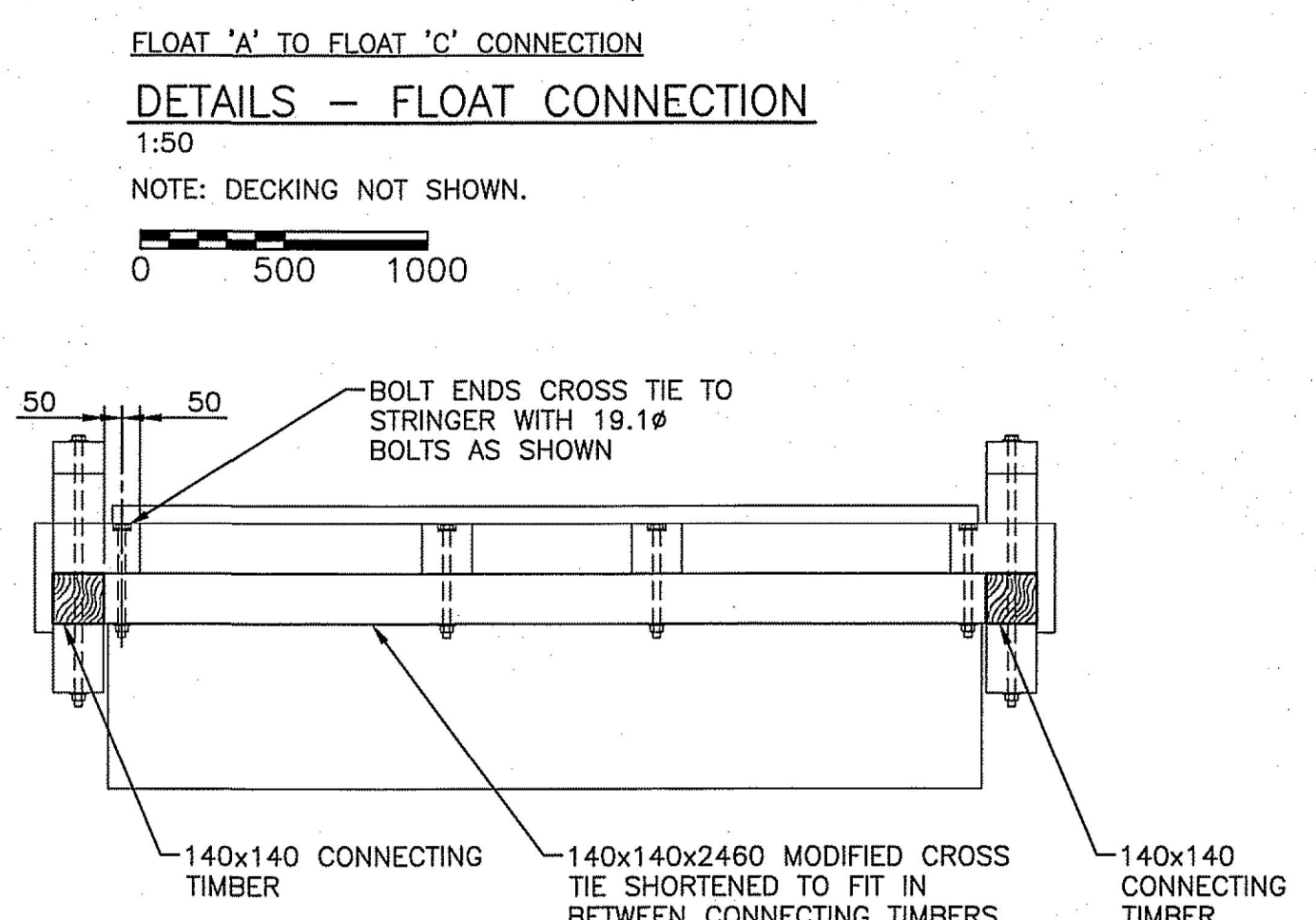
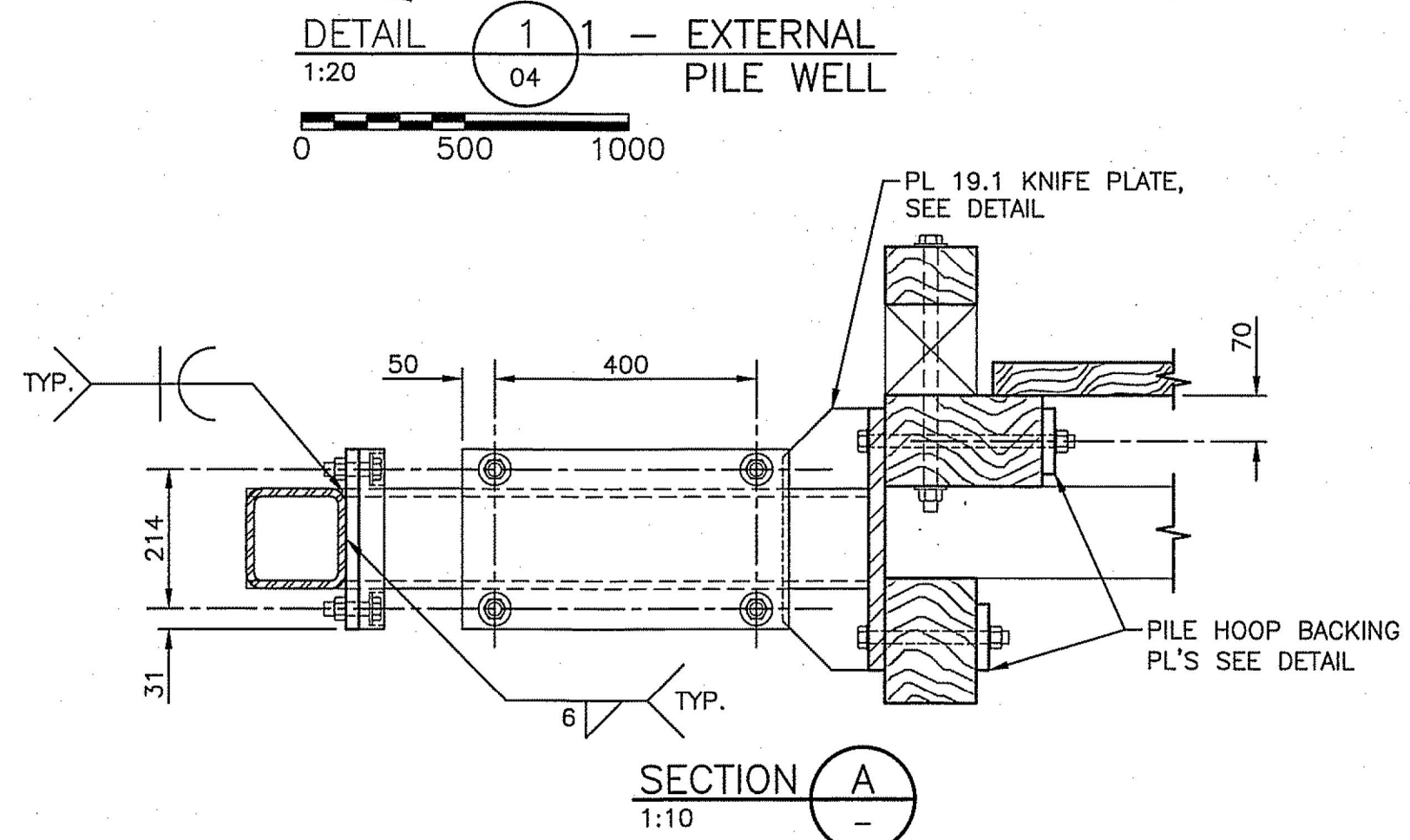
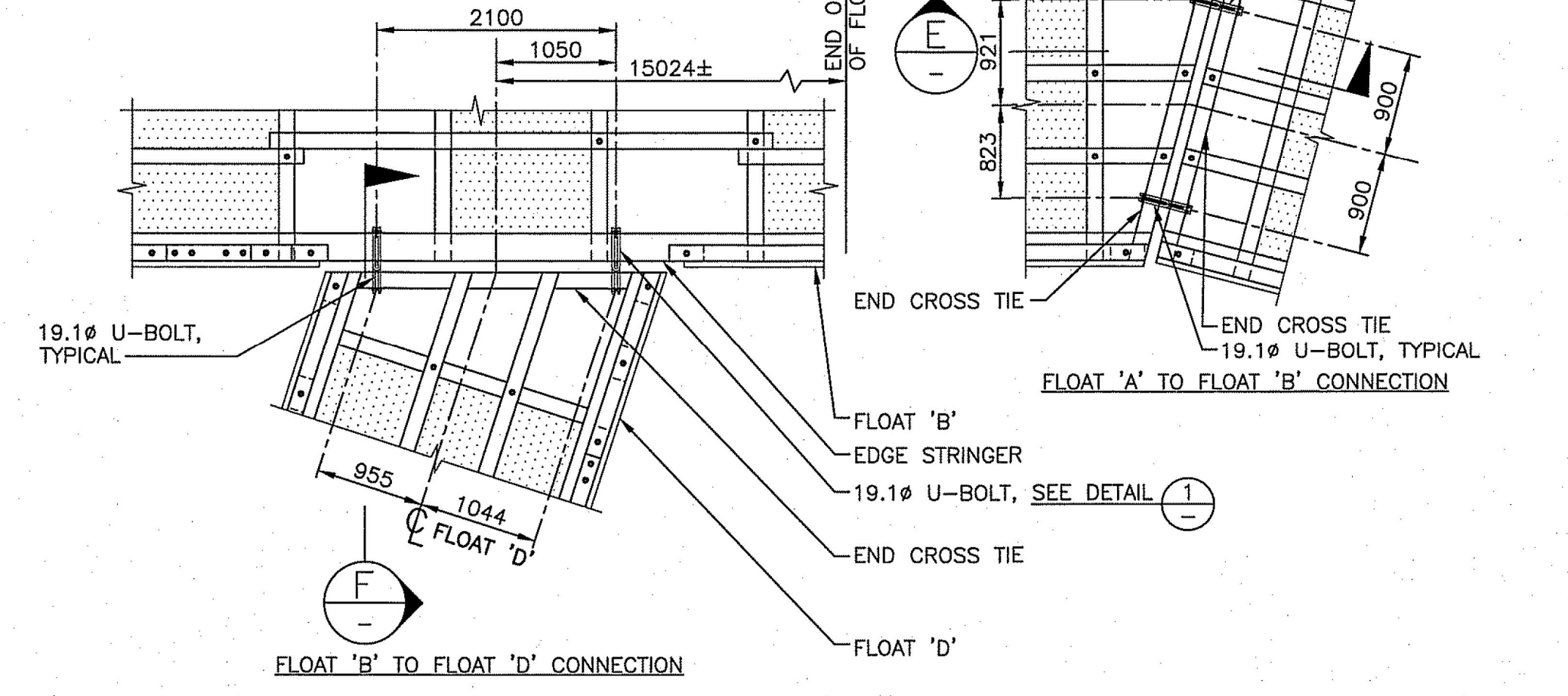
**FLOAT DETAILS SHEET 1**

Project No./No. du projet <b>R.083172.001</b>	Sheet/Feuille <b>09</b> OF 12	Revision no./La Révision no. <b>1</b>
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CONTRACTOR IS RESPONSIBLE FOR FIT COMPATIBILITY OF ALL FITTINGS AND METAL FABRICATIONS.



3		
2		
1	ISSUED FOR TENDER	17/01/20
0	ISSUED FOR 95% REVIEW	18/11/04
Revision	Description/Description	Date/Date

Client/Client: CANADA BORDER SERVICES AGENCY

Project Title/Titre du projet: SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT

Consultant Signature Only

Designed by/Concept par: HAIT

Drawn by/Dessiné par: JJMC

PWGS Project Manager/Administrateur de Projets TPSSC: JULIAN HO

Regional Manager, Architectural and Engineering Services: Gestionnaire régionale, Services d'architectural et de génie, TPSSC

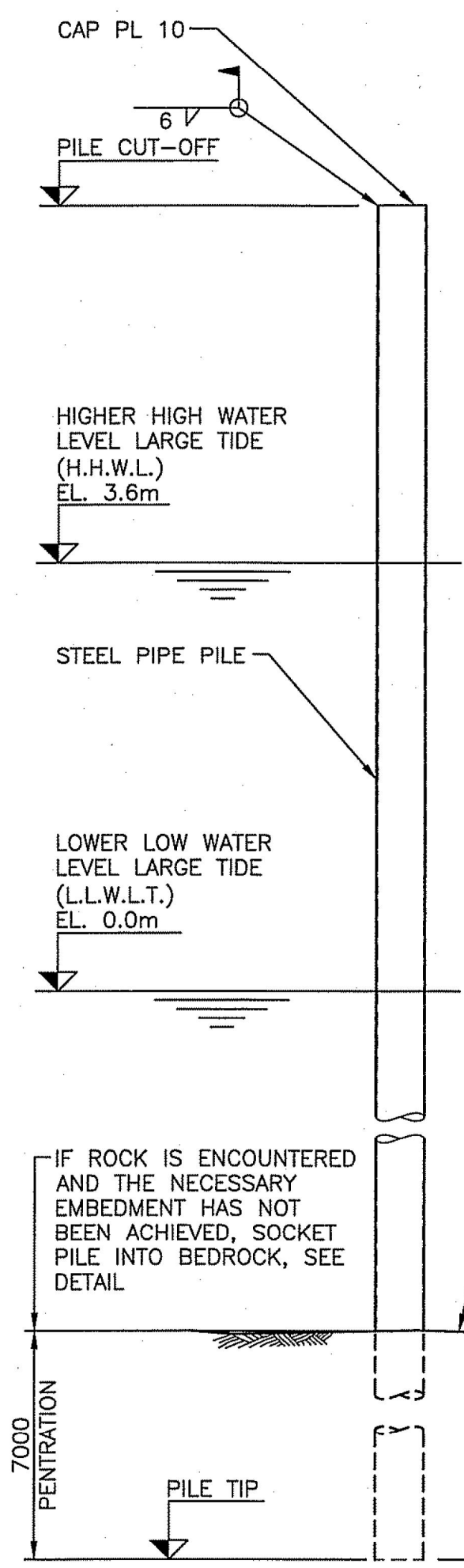
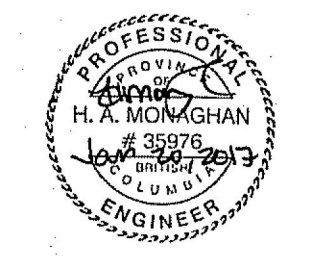
Drawing Title/Titre du dessin: FLOAT DETAILS SHEET 2

Project No./No. du projet: R.083172.001	Sheet/Fauille: 10 OF 12	Revision no./La révision no.: 1
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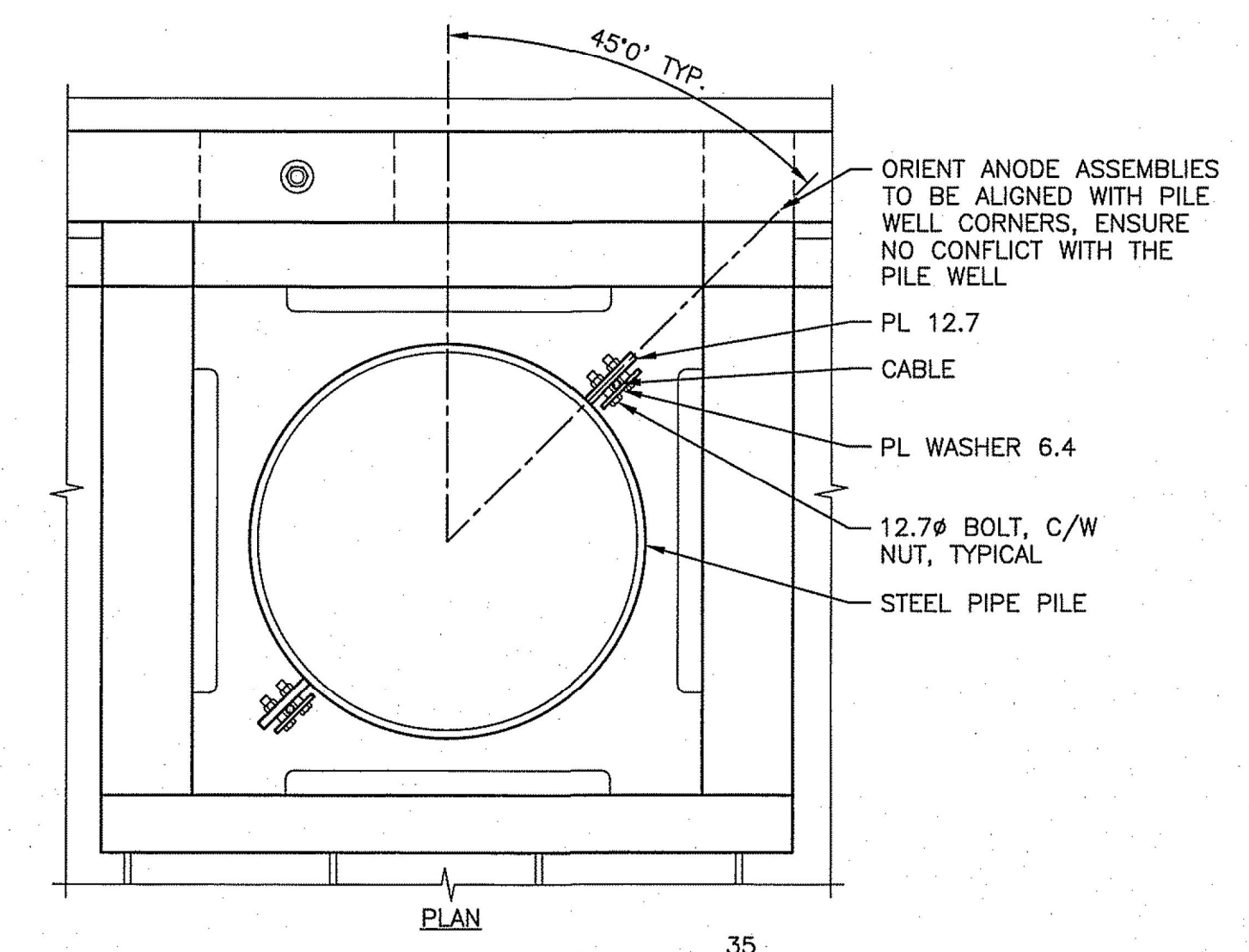
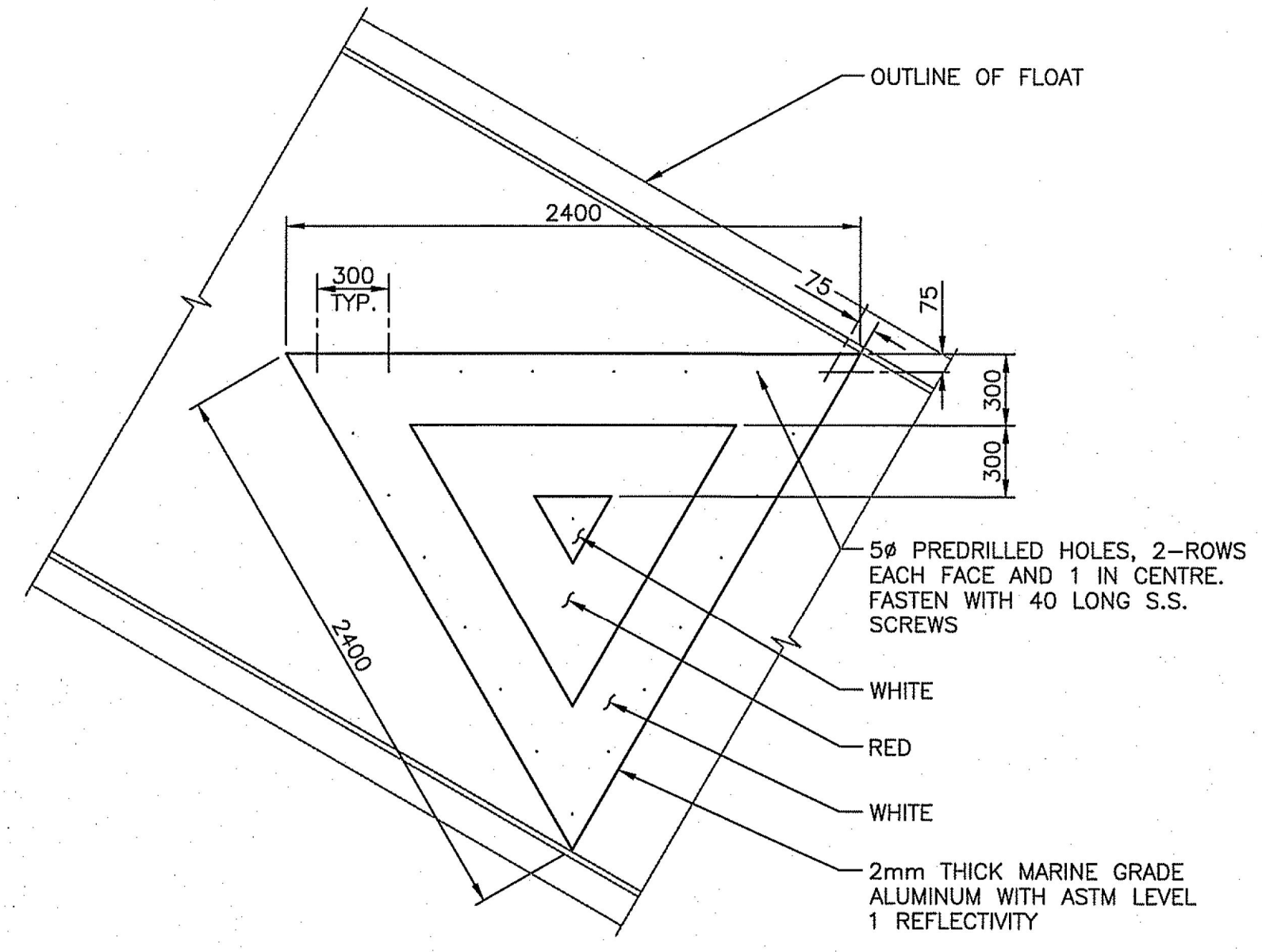




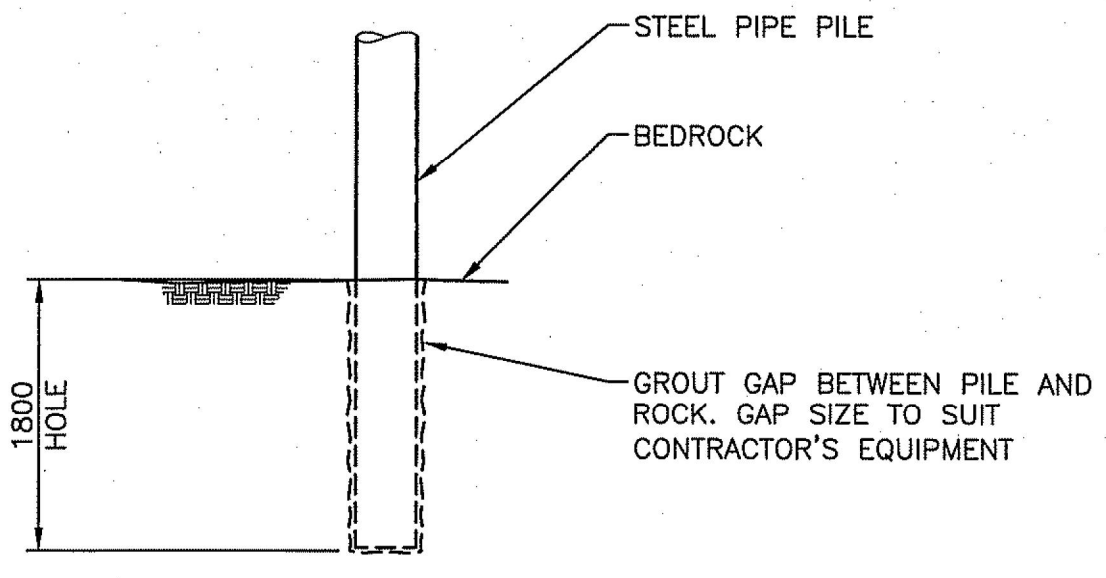




FLOAT	PILE #	SIZE: OUTSIDE DIAMETER AND WALL THICKNESS (mm)	CUT-OFF EL. (METRES)	ACTUAL TIP EL. (METRES)
FLOAT 'A'	A1	610 x 12.7	7.0	
	A2	610 x 12.7	7.0	
	A3	610 x 12.7	7.0	
FLOAT 'B'	B1	610 x 12.7	7.0	
	B2	610 x 12.7	7.0	
	B3	610 x 12.7	7.0	
	B4	610 x 12.7	7.0	
FLOAT 'C'	C1	610 x 12.7	7.0	
	D1	610 x 12.7	7.0	
	D2	610 x 12.7	7.0	
	D3	406 x 9.53	7.0	
	D4	406 x 9.53	7.0	
	D5	406 x 9.53	7.0	

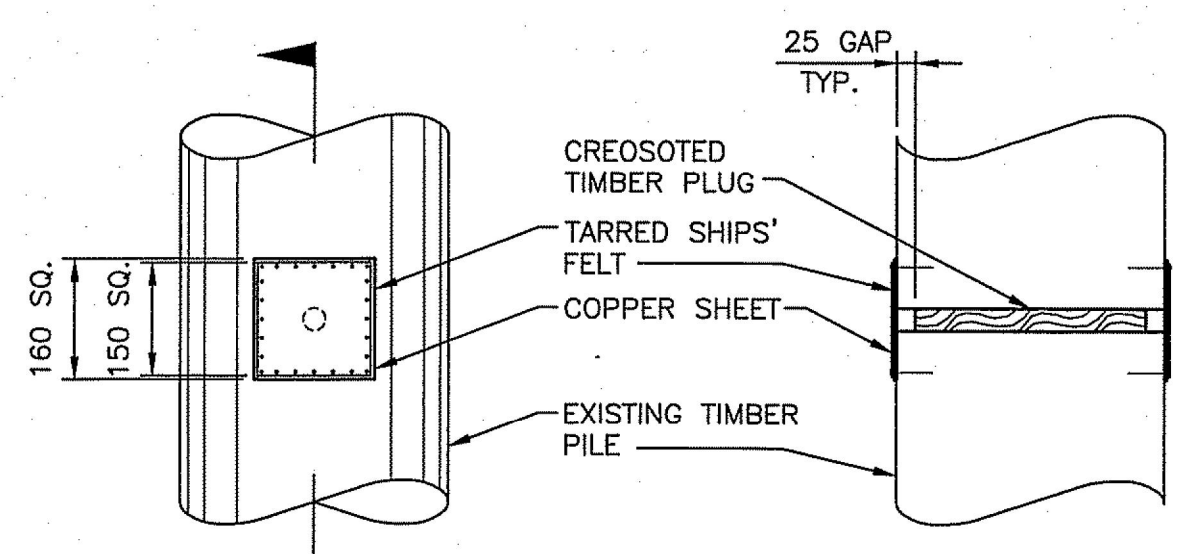


NOTE: SOCKET DETAIL ASSUMES COMPETENT BEDROCK. IF ALTERNATIVE MATERIAL IS ENCOUNTERED CONTACT DEPARTMENTAL REPRESENTATIVE.



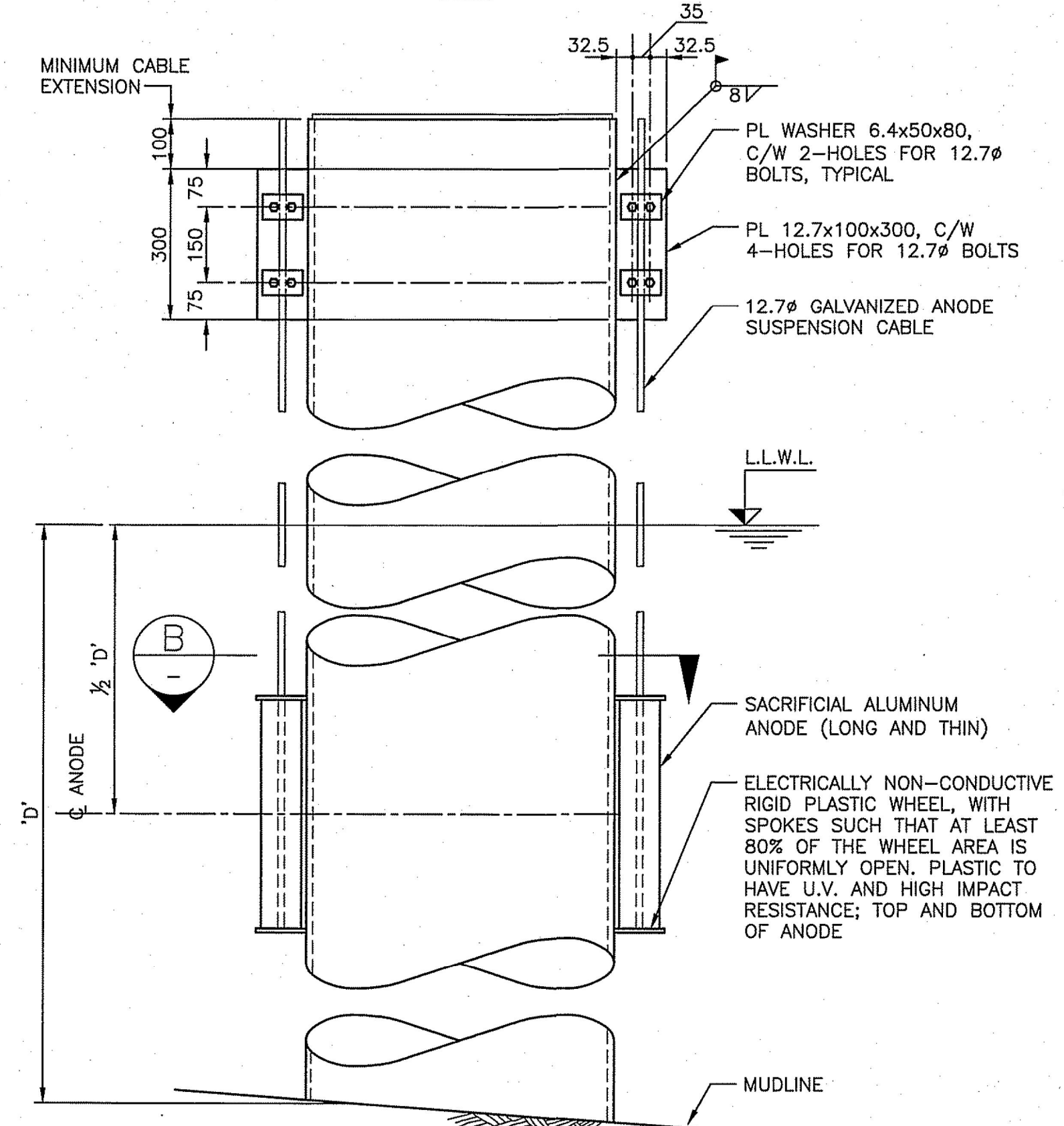
TYPICAL DETAIL - SEAPLANE FLOAT SIGN

- 1:25  
NOTES:  
1. TRIANGLE TO HAVE ALTERNATING REFLECTIVE RED AND WHITE PATTERN.  
2. INSTALL AT OUTER END OF FLOAT 600 CLEAR OF OUTER END TIE-UP RAIL WITH 1 EDGE PARALLEL TO THE OUTER END.  
3. INSTALL UNDER NON-SLIP MESH.  
4. TRIANGLE MAYBE CUT IN HALF FOR SHIPPING.



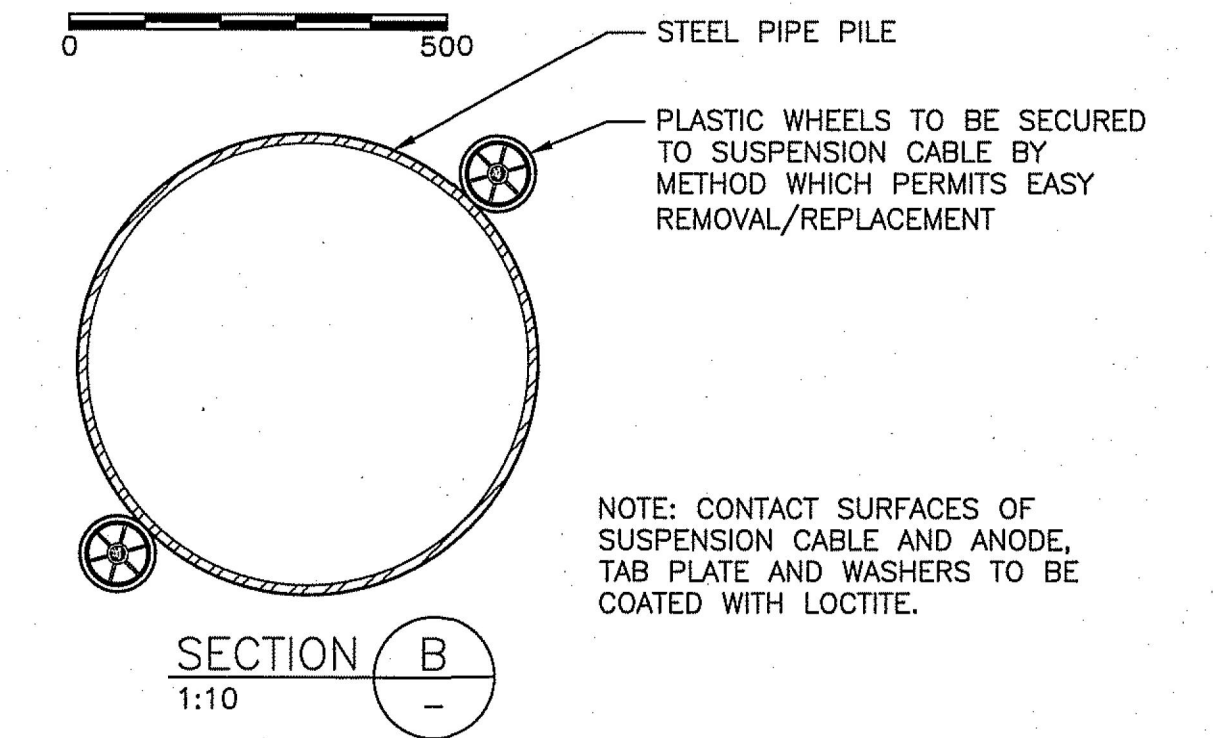
HOLE PATCHING DETAIL

- 1:10  
1. TREAT HOLE WITH CREOSOTE.  
2. PLUG HOLE WITH TIGHT-FITTING CREOSOTED TIMBER PLUG.  
3. PATCH BOTH ENDS OF HOLE WITH FIBERGLASS-REINFORCED ROOF PATCHING COMPOUND.  
4. COVER BOTH ENDS OF HOLE WITH 160x60 PATCH OF TARRED SHIPS' FELT. COVER BOTH ENDS OF HOLE WITH 150x150 PATCH OF 3mm HARD OR ANNEALED COPPER SHEET OVER SHIPS' FELT AND SECURE EACH SIDE WITH 38 LONG COPPER OR SILICON-BRONZE BOAT NAILS SPACED 25 APART AROUND THE PERIMETER



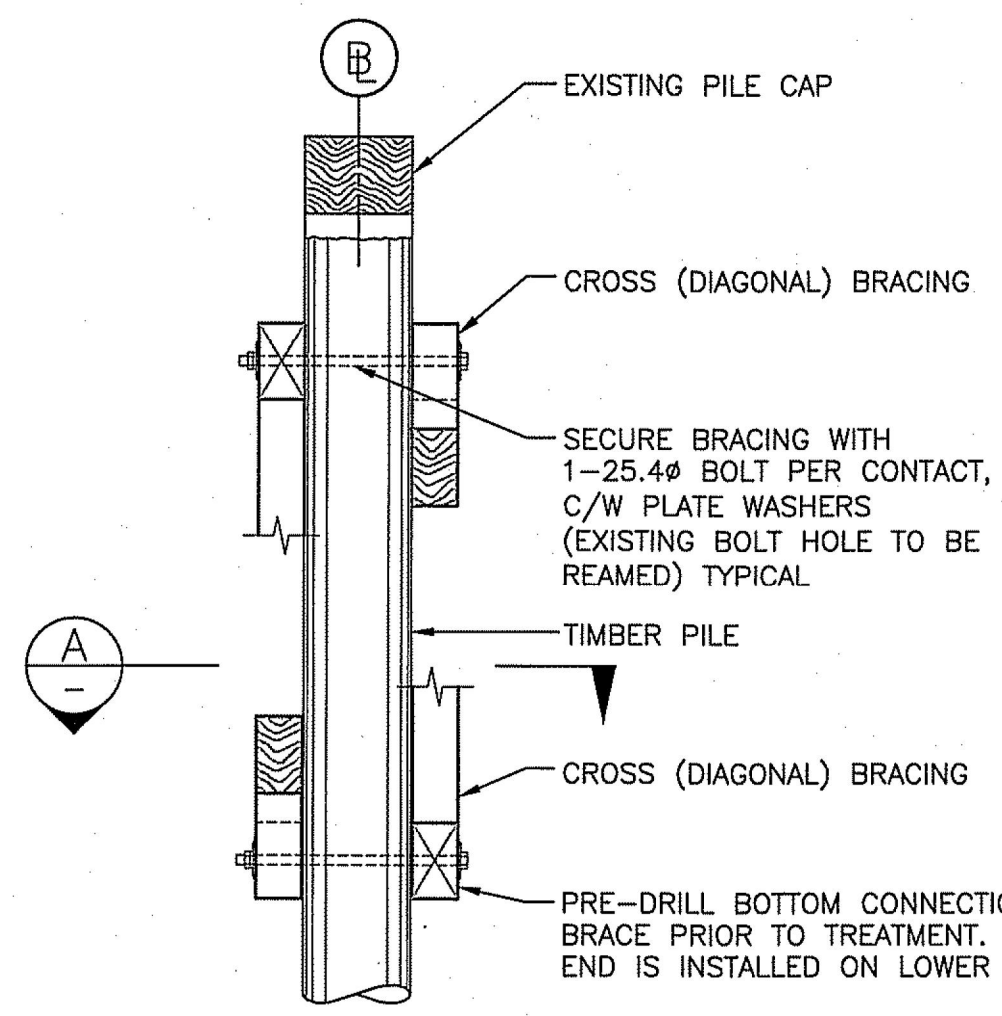
ELEVATION - PILE ANODE

1:10  
NOTE: DETAIL IS TYPICAL FOR ALL STEEL PIPE PILES.



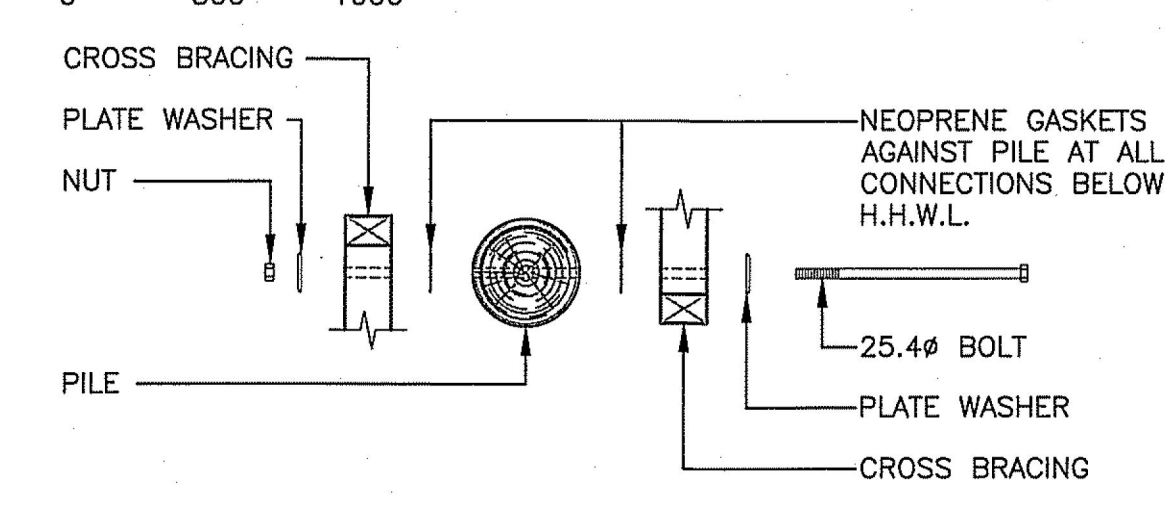
ELEVATION - MOORING PILE

DETAIL - MOORING PILE ALTERNATE SOCKET INTO ROCK



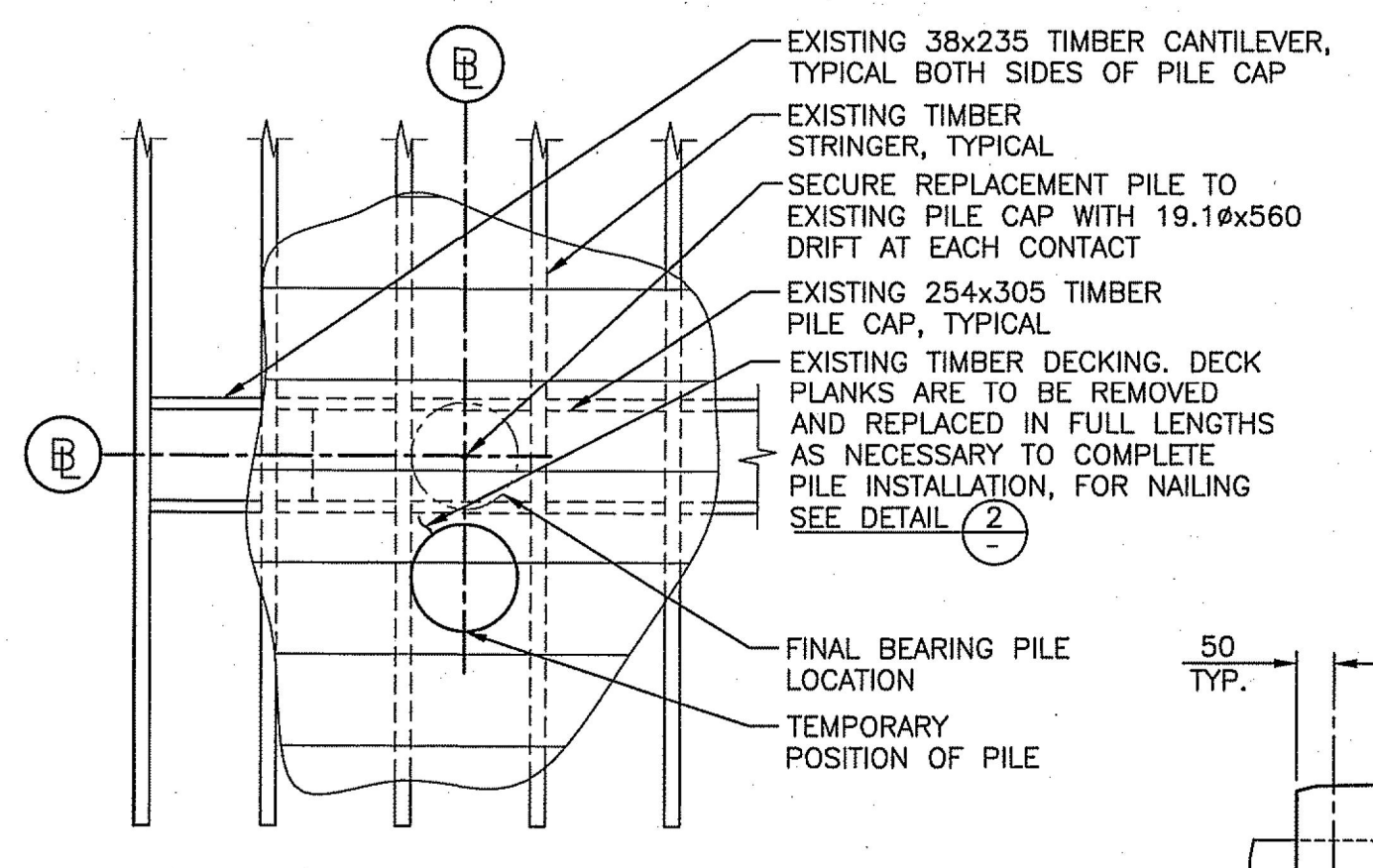
CROSS BRACE CONNECTION

1:25  
0 500 1000



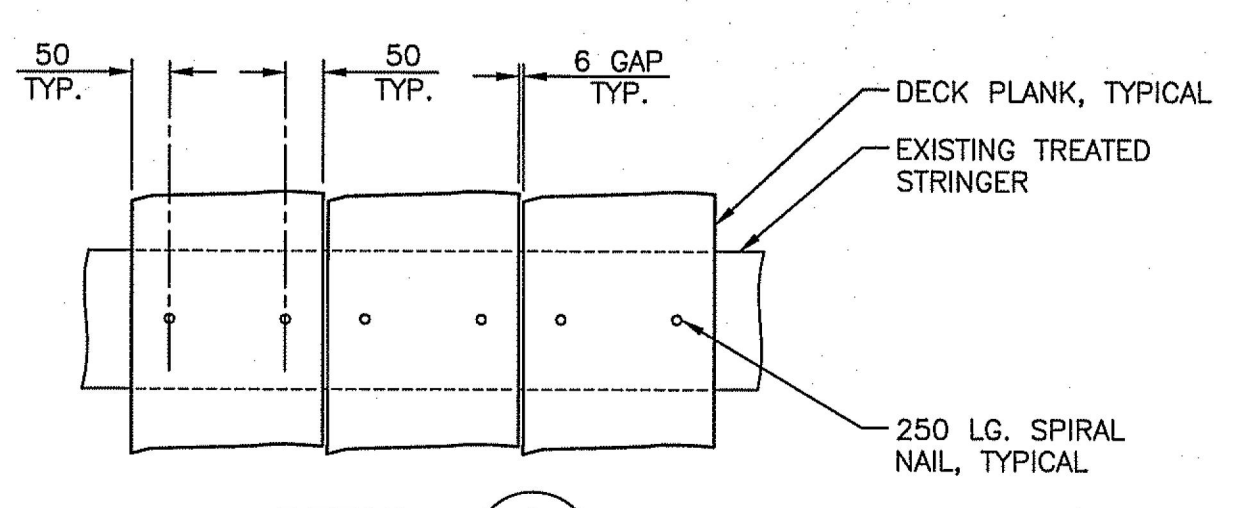
SECTION A - EXPLODED VIEW

NOTE: LOWER CONNECTION FOR DIAGONAL BRACING SHOWN. UPPER CONNECTION FOR DIAGONAL BRACING, SIMILAR.



DETAIL 1 - TEMPORARY OPENING IN DECK FOR PILE REPLACEMENT

- 1:25  
1. REMOVE MINIMUM AREA OF TIMBER DECKING AS REQUIRED TO PERMIT PILE REMOVAL AND INSTALLATION.  
2. AVOID CUTTING EXISTING TREATED STRINGERS.  
3. INSTALL REPLACEMENT 51x305 DECKING.



DETAIL 2

1:10

Revision/Description	Description/Description	Date/Date
3		
2		
1	ISSUED FOR TENDER	17/01/20
0	ISSUED FOR 80% REVIEW	16/11/04

Client/Client  
**CANADA BORDER SERVICES AGENCY**

Project Title/Titre du projet

**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR REDEVELOPMENT**

Consultant Signature Only

Designed by/Concept par  
HAM  
Drawn by/Dessiné par  
JJMC

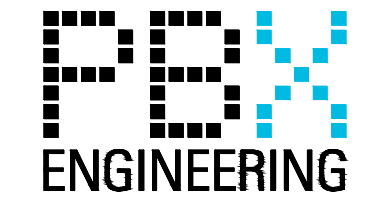
PWSSC Project Manager/Administrateur de Projets TPSSC  
JULIAN HO

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSSC

Drawing Title/Titre du dessin  
**MISCELLANEOUS DETAILS**

Project No./No. du projet	Sheet/Feuille	Revision no./No. de Révision
R.083172.001	12 OF 12	1





**GENERAL NOTES:**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE (INCLUDING BULLETINS PUBLISHED BY THE BC SAFETY AUTHORITY) AND THE ELECTRICAL SPECIAL PROVISIONS ISSUED WITH THIS CONTRACT.

**NOMENCLATURE:**

- C - COIL
- C/W - COMPLETE WITH
- CBx - CIRCUIT BREAKER ("X" DENOTES NUMBER)
- CCT - CIRCUIT
- CEC - CANADIAN ELECTRICAL CODE, PART 1, LATEST EDITION
- GFCI - GROUND FAULT CIRCUIT INTERRUPTER
- GND - GROUND
- HOA - HAND OFF AUTO SWITCH
- LTG - LIGHTING
- N - NEUTRAL
- PEC - PHOTOELECTRIC CELL
- PWR - POWER

**LEGEND**

	LUMINAIRE (REFER TO SITE PLAN FOR TYPE AND WATTAGE)
	DUAL RECEPTACLE 120V (GFCI)
	PHOTOELECTRIC CELL
	MOTION SENSOR
	CEILING MOUNT LUMINAIRE

Revision/Revisión	Description/Description	Date/Date
-	ISSUED FOR TENDER	2017/01/23

Client/client

**CANADA BORDER SERVICES AGENCY**

Project title/Titre du projet

**SOUTH PENDER ISLAND, B.C.  
BEDWELL HARBOUR  
HARBOUR REDEVELOPMENT**

Consultant Signature Only

Designed by/Concept par  
**T. CSERCISICS**

Drawn by/Dessine par  
**PBX**

PWGC Project Manager/Administrateur de Projets TPSGC  
**JULIAN HO**

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSGC  
**PREETIPAL PAUL, P.ENG**

Drawing title/Titre du dessin

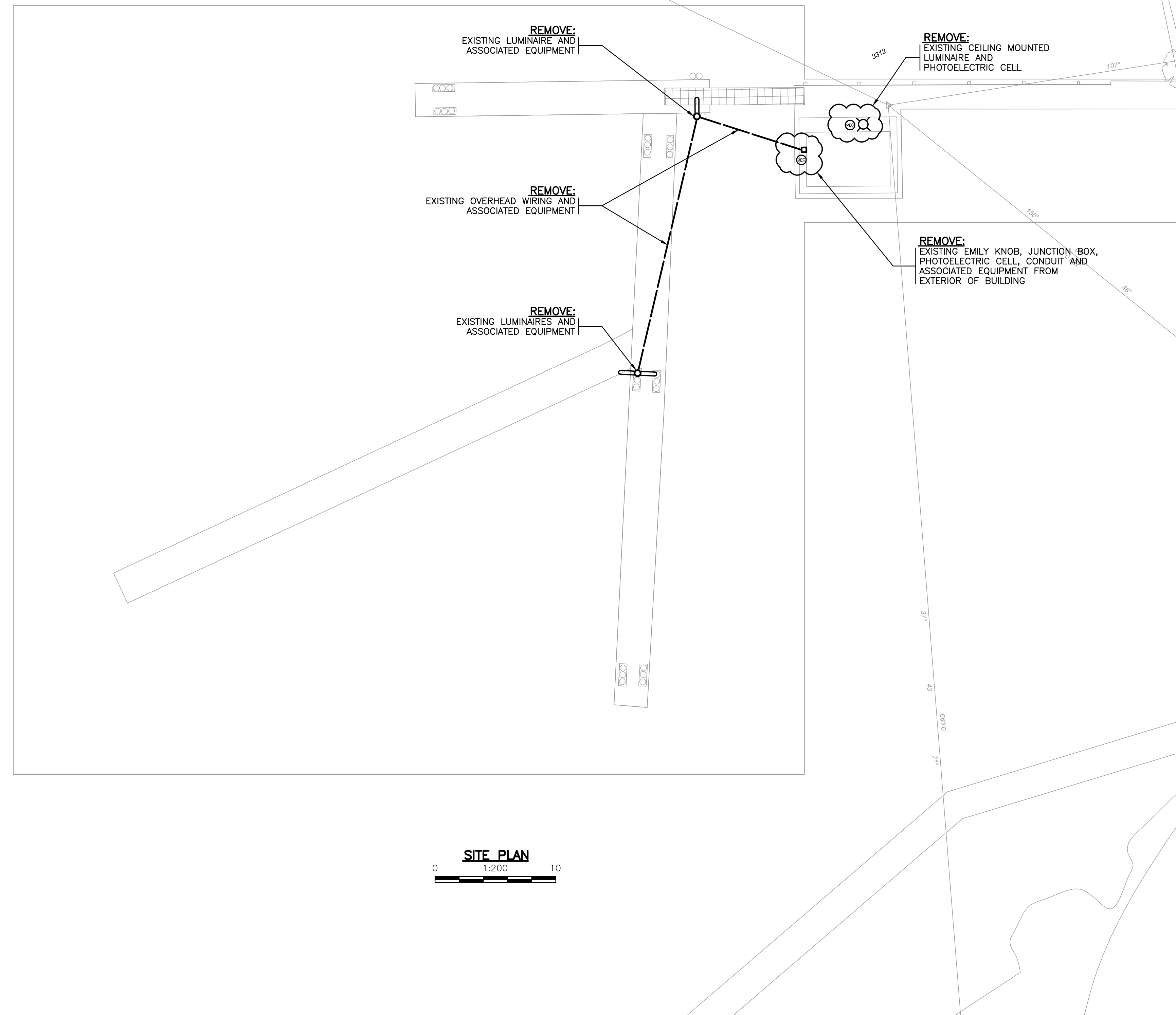
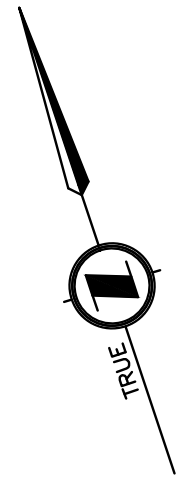
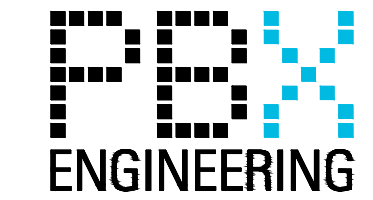
**LEGEND & GENERAL NOTES**



Project No./No. du projet <b>R.083172.001</b>	Sheet/Fauille <b>E01</b> 1 OF 6	Revision no./La Révision no. -
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**SITE PLAN**  
0 1:200 10

Revision/Revision	Description/Description	Date/Date
-	ISSUED FOR TENDER	2017/01/23

Client/client  
**CANADA BORDER SERVICES AGENCY**

Project title/Titre du projet  
**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT**

Consultant Signature Only

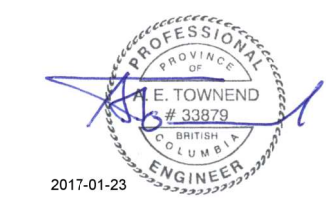
Designed by/Concept par  
T. CSERCISICS

Drawn by/Dessine par  
PBX

PWGC Project Manager/Administrateur de Projets TPSGC  
JULIAN HO

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSGC  
PREETIPAL PAUL, P.ENG

Drawing title/Titre du dessin  
**SITE PLAN - ELECTRICAL SYSTEMS DEMOLITION**

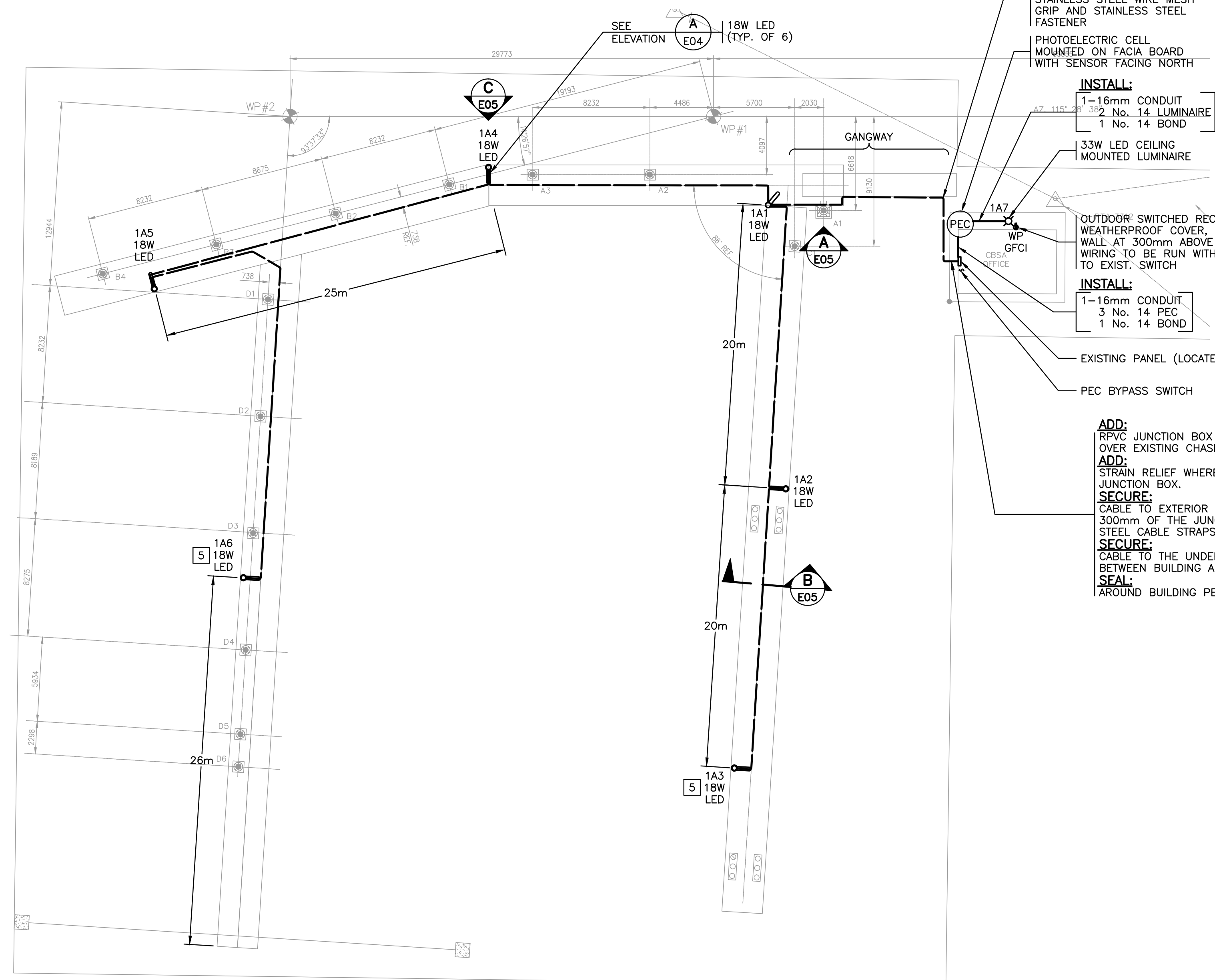
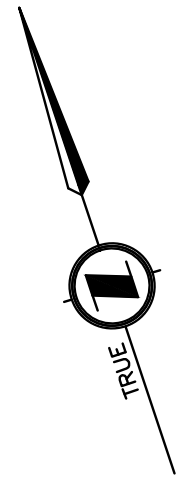
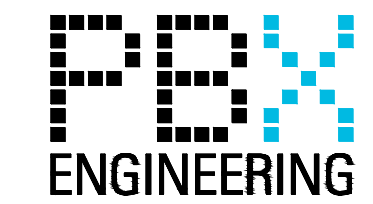


**ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE**

Project No./No. du projet <b>R.083172.001</b>	Sheet/Fauille <b>E02</b> 2 OF 6	Revision no./La Révision no. -
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**PROVIDE:**  
SLACK AT JUNCTION BETWEEN GANGWAY AND TRESTLE TO ACCOUNT FOR TIDE MOVEMENT  
**SECURE:**  
SOOW TO TRESTLE USING STAINLESS STEEL WIRE MESH GRIP AND STAINLESS STEEL FASTENER

PHOTOELECTRIC CELL MOUNTED ON FACIA BOARD WITH SENSOR FACING NORTH

**INSTALL:**  
1-16mm CONDUIT  
2 No. 14 LUMINAIRE  
1 No. 14 BOND

33W LED CEILING MOUNTED LUMINAIRE

OUTDOOR SWITCHED RECEPTACLE WITH WEATHERPROOF COVER, MOUNTED ON WALL AT 300mm ABOVE TRESTLE DECKING. WIRING TO BE RUN WITHIN WALLS (CONCEALED) TO EXIST. SWITCH

**INSTALL:**  
1-16mm CONDUIT  
3 No. 14 PEC  
1 No. 14 BOND

EXISTING PANEL (LOCATED WITHIN OFFICE)

PEC BYPASS SWITCH

**ADD:**  
RPVC JUNCTION BOX ON EXTERIOR OF BUILDING. OVER EXISTING CHASE TO ELECTRICAL PANEL.

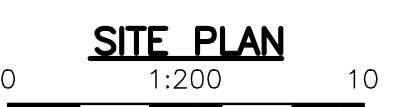
**ADD:**  
STRAIN RELIEF WHERE SOOW CABLE ENTERS JUNCTION BOX.

**SECURE:**  
CABLE TO EXTERIOR OF BUILDING WITHIN 300mm OF THE JUNCTION BOX USING STAINLESS STEEL CABLE STRAPS.

**SECURE:**  
CABLE TO THE UNDERSIDE OF TRESTLE DECKING BETWEEN BUILDING AND GANGWAY.

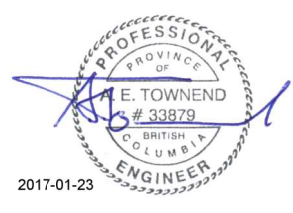
**SEAL:**  
AROUND BUILDING PENETRATION

LINE TYPE LEGEND	
	PROPOSED 3C12 SOOW CABLE



**NOTES:**

- LEAVE 1m SLACK IN CABLING AT FLOAT JUNCTIONS FOR FLOAT MOVEMENT.
- CABLING WILL RUN DOWN THE CENTER OF THE FLOATS. REMOVE BOARDS EVERY 1.2m TO ACCESS CABLE. USE STAINLESS STEEL CABLE STRAPS TO SECURE CABLE TO UNDERSIDE OF FLOATS ALONG THE FLOAT STRINGERS.
- SUPPORT THE CABLE AS CLOSE AS PRACTICABLE TO THE ENTRANCE OF THE LUMINAIRE POLE UNDERNEATH THE DECKING.
- CONDUIT FOR THE PEC AND OFFICE LUMINAIRE WILL RUN ON THE EXTERIOR OF THE CBSA OFFICE BUILDING FROM THE RPVC JUNCTION BOX.
- NO MOTION SENSOR ATTACHED TO THIS LUMINAIRE POLE.



**ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE**

Revision/Revisión	Description/Description	Date/Date
1	ISSUED FOR TENDER	2017/01/23

Client/client  
**CANADA BORDER SERVICES AGENCY**

Project title/Titre du projet  
**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT**

Designed by/Concept par  
T. CSERCISICS

Drawn by/Dessiné par  
PBX  
PWGSC Project Manager/Administrateur de Projets TPSGC  
JULIAN HO

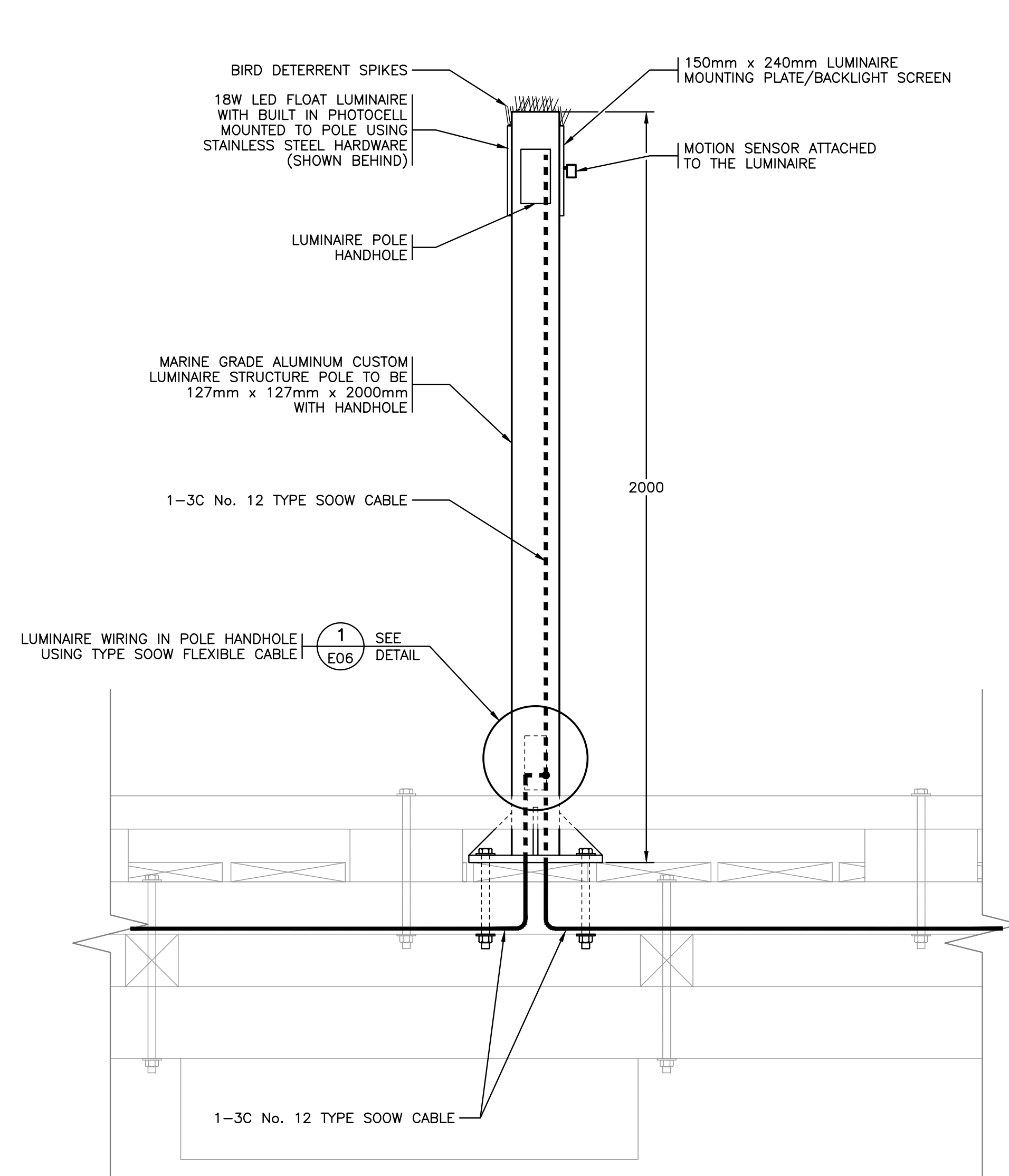
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSGC  
PREETIPAL PAUL, P.ENG

Drawing title/Titre du dessin  
**SITE PLAN - ELECTRICAL SYSTEMS INSTALLATION**

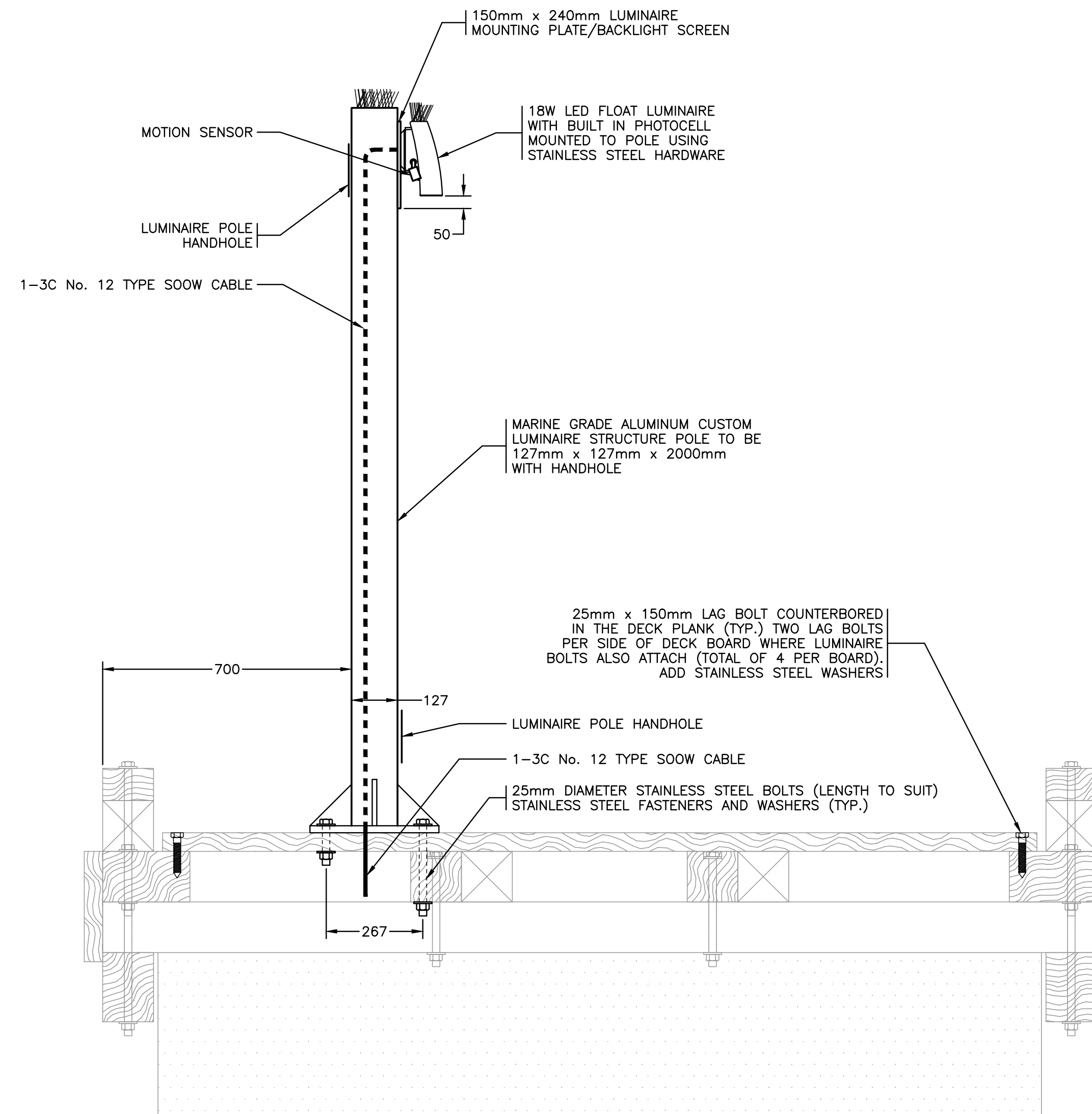
Project No./No. du projet <b>R.083172.001</b>	Sheet/Fauille <b>E03</b> 3 OF 6	Revision no./La Révision no. -
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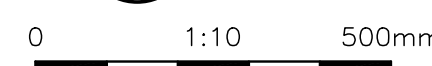


REAR VIEW



SIDE VIEW

ELEVATION (A) FLOAT LUMINAIRE 1:10



**NOTES:**

1. THE HOLES THROUGH THE DECKING MAY BE BORED AFTER TREATMENT.
2. THE HOLES IN THE MAIN FRAME MEMBERS (CROSSTIES, JOINTS, AND STRINGERS) ARE TO BE BORED BEFORE TREATMENT.

**FUNCTIONAL DESIGN ONLY**  
 CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ENGINEER'S APPROVAL AT LEAST TWO WEEKS PRIOR TO FABRICATION. SHOP DRAWINGS TO INCLUDE PROPOSED ATTACHMENT METHODS AND SHALL BE SEALED BY AN ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA.



**ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE**

Revision/Revisión	Description/Description	Date/Date
ISSUED FOR TENDER		2017/01/23

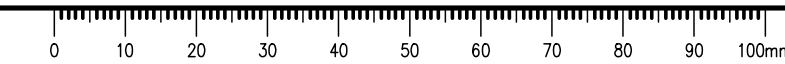
CANADA BORDER SERVICES AGENCY

Project title/Titre du projet  
**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT**

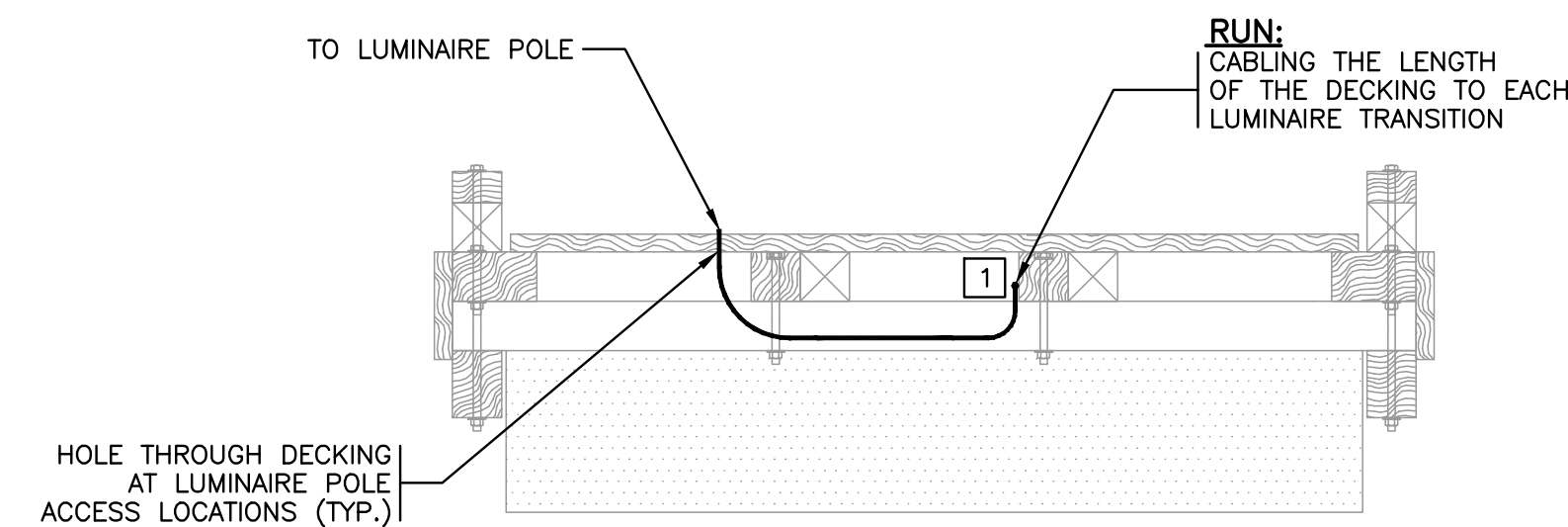
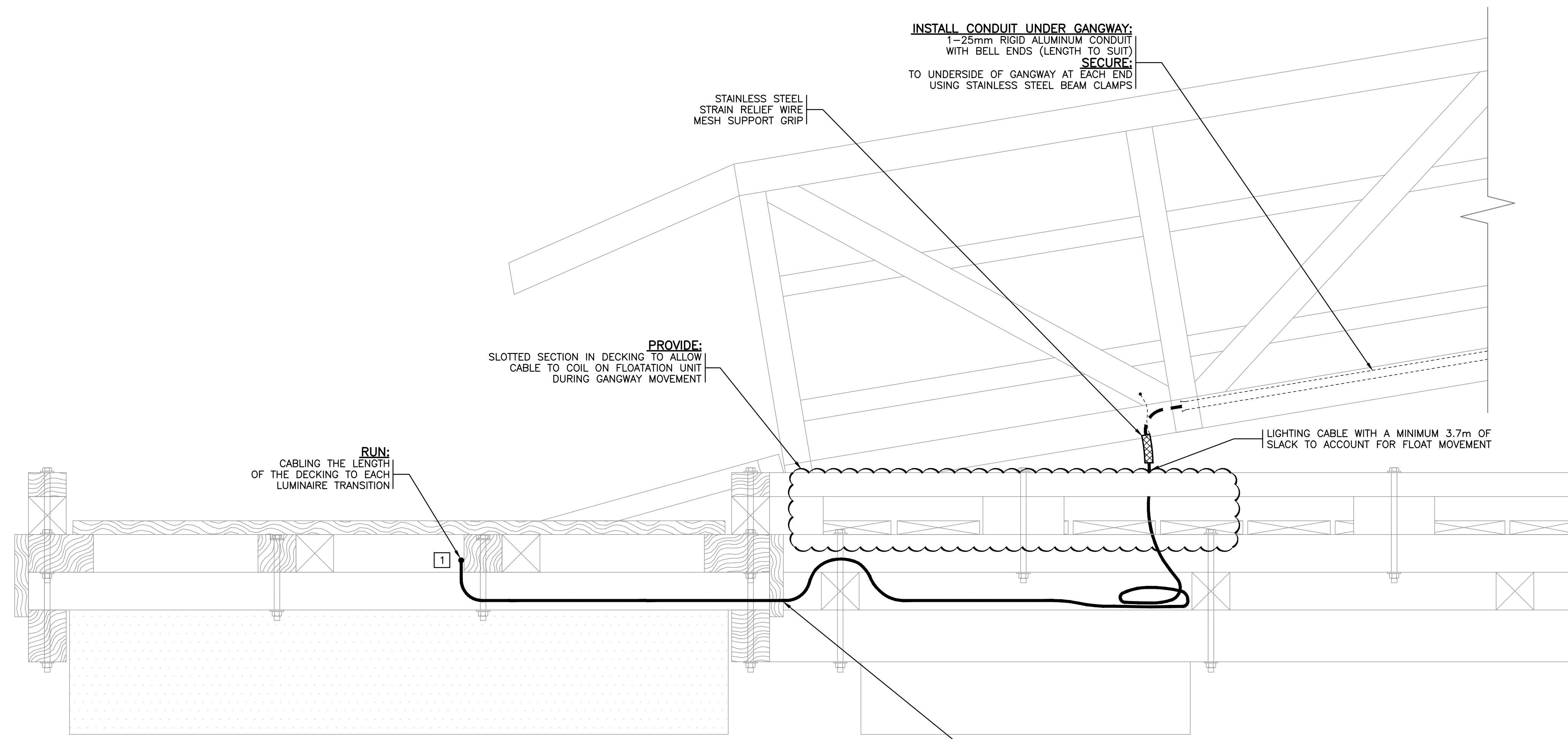
Consultant Signature Only  
 Designed by/Concept par T. CSERCISICS  
 Drawn by/Dessiné par PBX  
 PWGSC Project Manager/Administrateur de Projets TPSC JULIAN HO  
 Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architectural et de génie, TPSC PREETIPAL PAUL, P.ENG  
 Drawing title/Titre du dessin  
 ELEVATIONS (1 OF 2)

Project No./No. du projet R.083172.001	Sheet/Fauille E04 4 OF 6	Revision no./La Révision no. -
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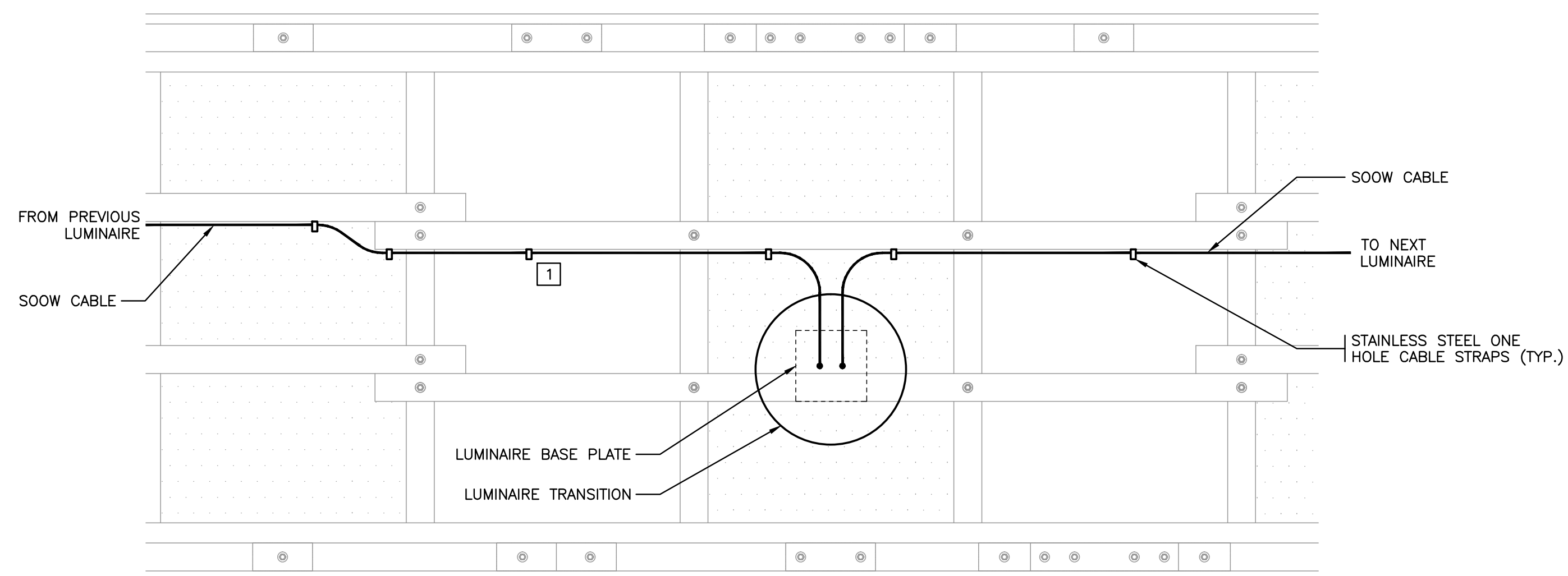
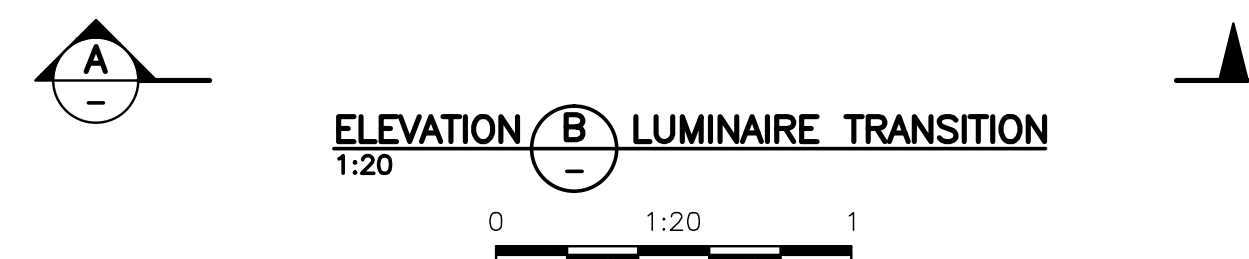






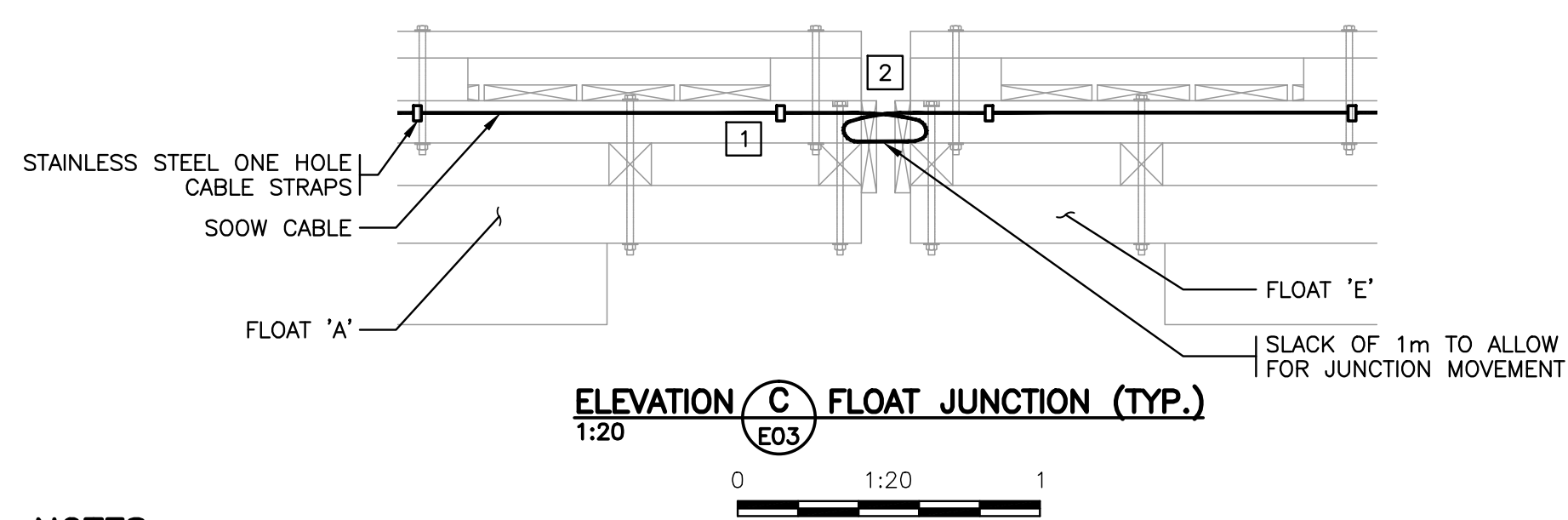
**ELEVATION A CABLEING TRANSITION**  
1:10

0 1:10 500mm



**SECTION A**  
1:20

0 1:20 1



**NOTES:**

- 1 CABLE WILL BE SECURED TO FLOAT JOIST WITH STAINLESS STEEL ONE HOLE CABLE STRAPS EVERY 1.2m.
- 2 BEFORE TREATMENT BORE HOLE THROUGH RUB BOARDS FOR CABLE TO PASS THROUGH END OF FLOAT. BORE HOLE LARGE ENOUGH SO THE CABLE DOES NOT BUNCH DURING FLOAT MOVEMENT.



**ALL EQUIPMENT IS PROPOSED UNLESS NOTED OTHERWISE**

Revision/Revisión	Description/Description	Date/Date
-	ISSUED FOR TENDER	2017/01/23

**CANADA BORDER SERVICES AGENCY**

Project title/Titre du projet  
**SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT**

Consultant Signature Only

Designed by/Concept par  
T. CSERCSCICS

Drawn by/Dessiné par  
PBX

PWSC Project Manager/Administrateur de Projets TPSCG  
JULIAN HO

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG  
PREETIPAL PAUL, P.ENG

Drawing title/Titre du dessin  
**ELEVATIONS (2 OF 2)**

Project No./No. du projet <b>R.083172.001</b>	Sheet/Fauille <b>E05</b> 5 OF 6	Revision no./La Révision no. -
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