

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

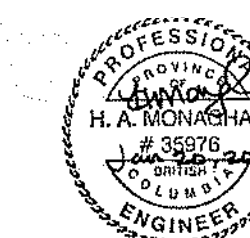
Project No. R.083172.001

Public Works and
Government Services
Canada

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 65% REVIEW	16/11/04
0	ISSUED FOR 65% REVIEW	16/09/20

Client/Client
**CANADA BORDER
SERVICES AGENCY**

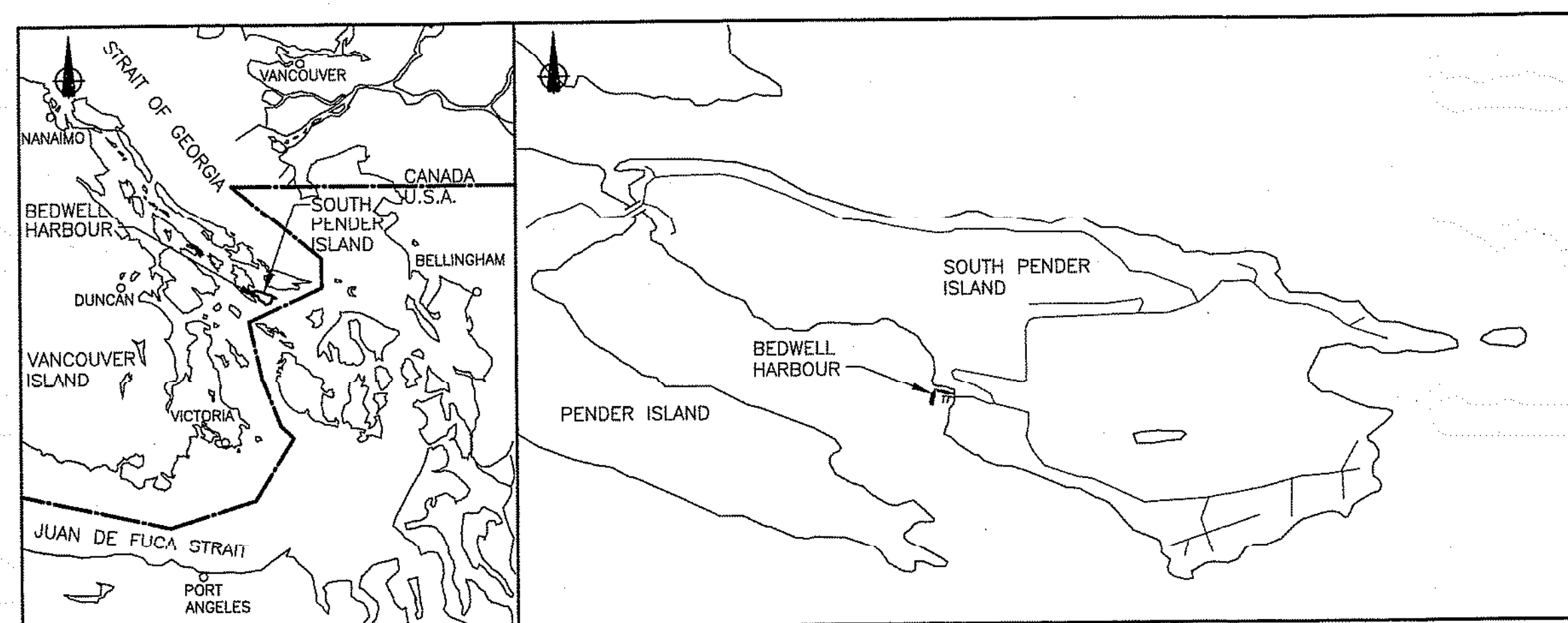
Project title/Titre du projet
**SOUTH PENDER ISLAND, B.C.
BEDWELL HARBOUR
HARBOUR REDEVELOPMENT**

Designed by/Concept par
HAM
Drawn by/Dessiné par
JJMC
PWGSC Project Manager/Administrateur de Projets TP50C
JULIAN HO

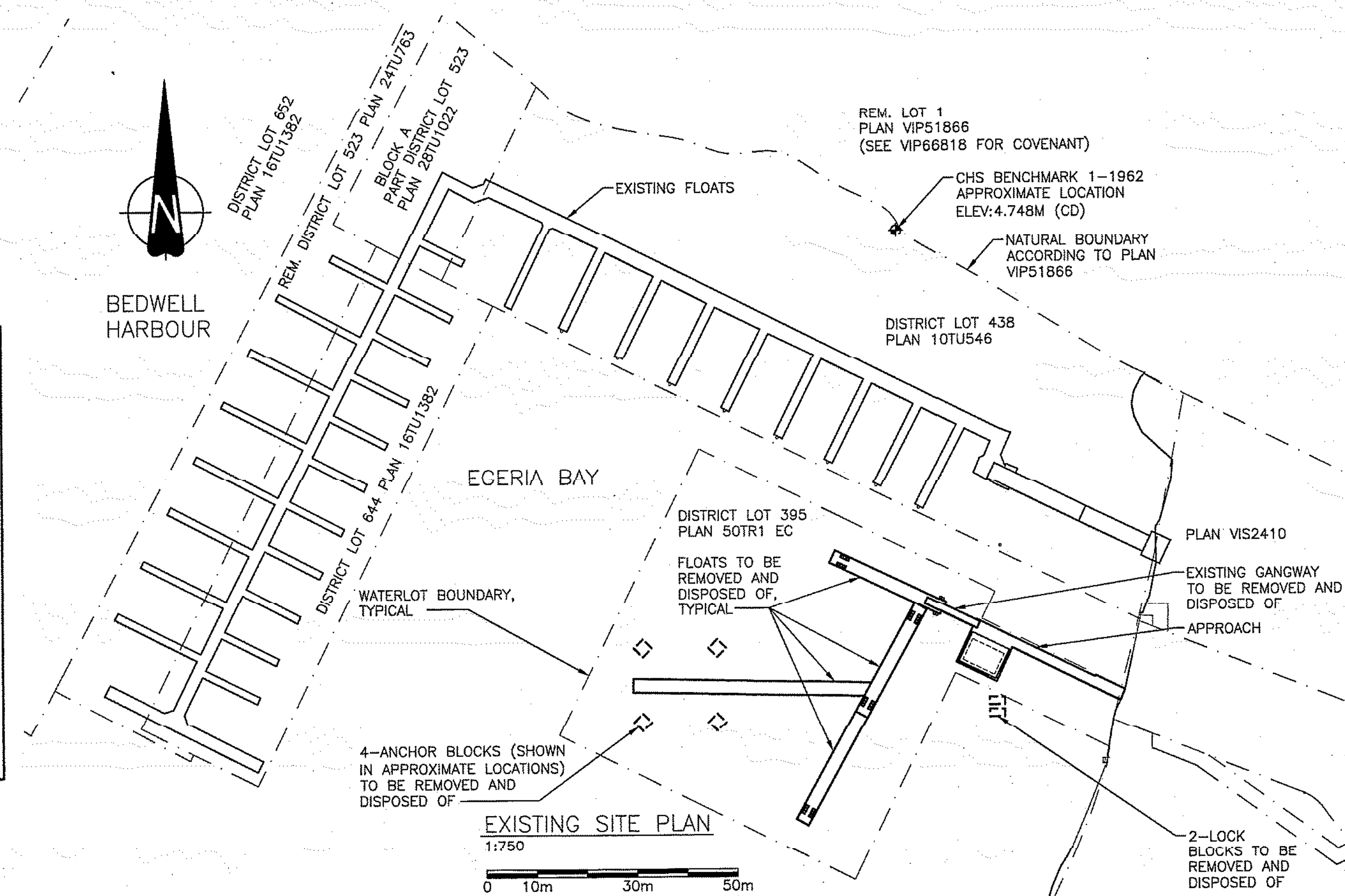
Regional Manager, Architectural and Engineering Services,
Gestionnaire régional, Services d'architecture et de génie, TP50C

Drawing title/Titre du dessin
TITLE SHEET

Project No./No. du projet R.083172.001	Sheet/Feuille 01 OF 12	Revision no./ La Révision no. 2
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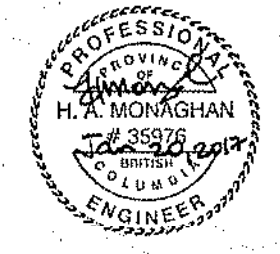


LOCATION PLANS
N.T.S.



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





SECTION 20

LOT 1 PLAN VIP55627

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

SPALDING ROAD

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

BLOCK A PART DISTRICT LOT 523 PLAN 28TU1022

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

ARBUS CLUSTER PLAN VIS2410

LOT 1 PLAN VIP14355

DISTRICT LOT 652 PLAN 16TU1382

REM. DISTRICT LOT 523 PLAN 24TU763

DISTRICT LOT 644 PLAN 16TU1382

BEDWELL HARBOUR

EGERIA BAY

EXISTING GANGWAY TO BE REMOVED AND REPLACED WITH NEW (DESIGNED BY CONTRACTOR)

APPROACH AND OFFICE PLATFORM SEE DWG. 11

CONCRETE RETAINING WALL

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.

PT# - 3312
N. - 5399386.874
E. - 483269.215
EL. - 4.973

PT# - CC
N. - 5399353.009
E. - 483284.961
EL. - 4.427

DISTRICT LOT 395 PLAN 50TR1 EC

PLAN VIS2410

FLOAT 'D' (SEAPLANE FLOAT), SEE DWG. 07

STAIRS

STAIRS

NATURAL BOUNDARY ACCORDING TO PLAN VIP51866

PRESENT NATURAL BOUNDARY

PENDER ISLAND INDIAN RESERVE NO. 8 PLAN 67626 CLSR

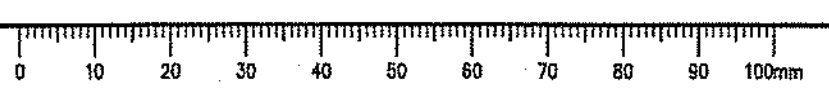
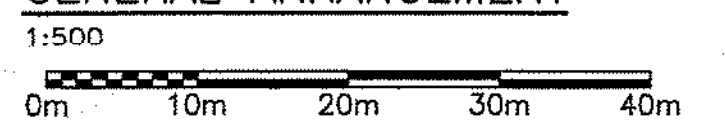
CHS BENCHMARK M09C9007 ELEV: 3.401M (CD)

NATURAL BOUNDARY ACCORDING TO PLAN 67626 CLSR

NOTES:

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

GENERAL ARRANGEMENT



3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 80% REVIEW	16/11/19
0	ISSUED FOR 65% REVIEW	16/09/20
Revision/Revisions	Description/Description	Date/Date

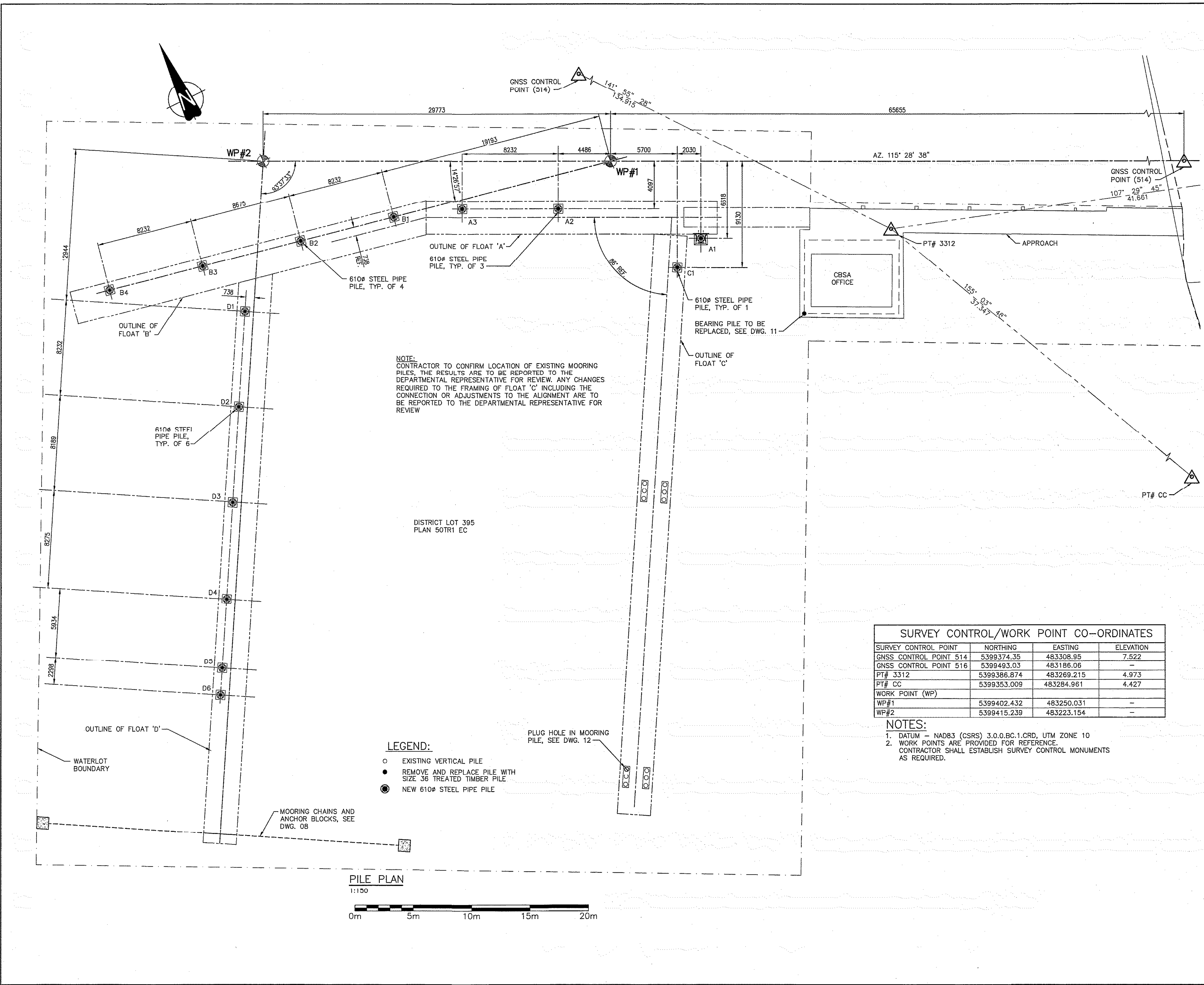
Client/client
CANADA BORDER SERVICES AGENCY

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

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

Drawing title/Titre du dessin
GENERAL ARRANGEMENT

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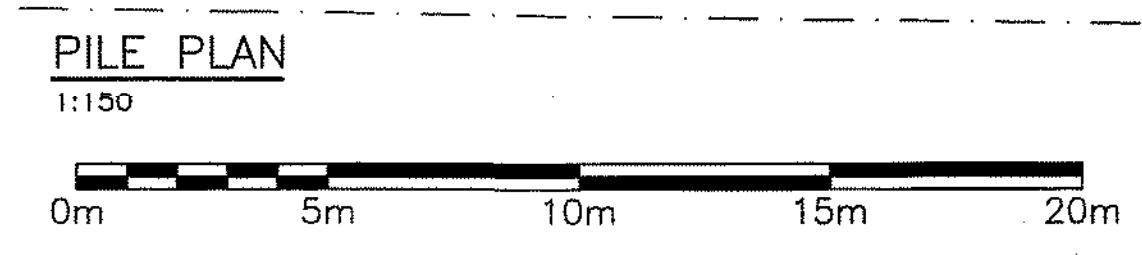


NOTE:
CONTRACTOR TO CONFIRM LOCATION OF EXISTING MOORING PILES, THE RESULTS ARE TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW. ANY CHANGES REQUIRED TO THE FRAMING OF FLOAT 'C' INCLUDING THE CONNECTION OR ADJUSTMENTS TO THE ALIGNMENT ARE TO BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE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

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
WORK POINT (WP)			
WP#1	5399402.432	483250.031	-
WP#2	5399415.239	483223.154	-

- NOTES:**
- DATUM - NAD83 (CSRS) 3.0.0.BC.1.CRD, UTM ZONE 10
 - WORK POINTS ARE PROVIDED FOR REFERENCE. CONTRACTOR SHALL ESTABLISH SURVEY CONTROL MONUMENTS AS REQUIRED.

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



Revision/Revisión	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 30% REVIEW	18/11/18
0	ISSUED FOR 33% REVIEW	18/09/20

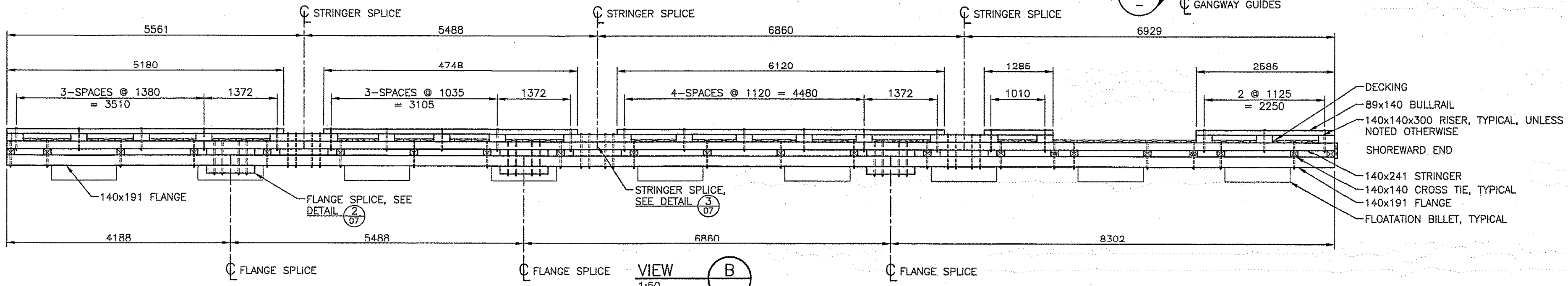
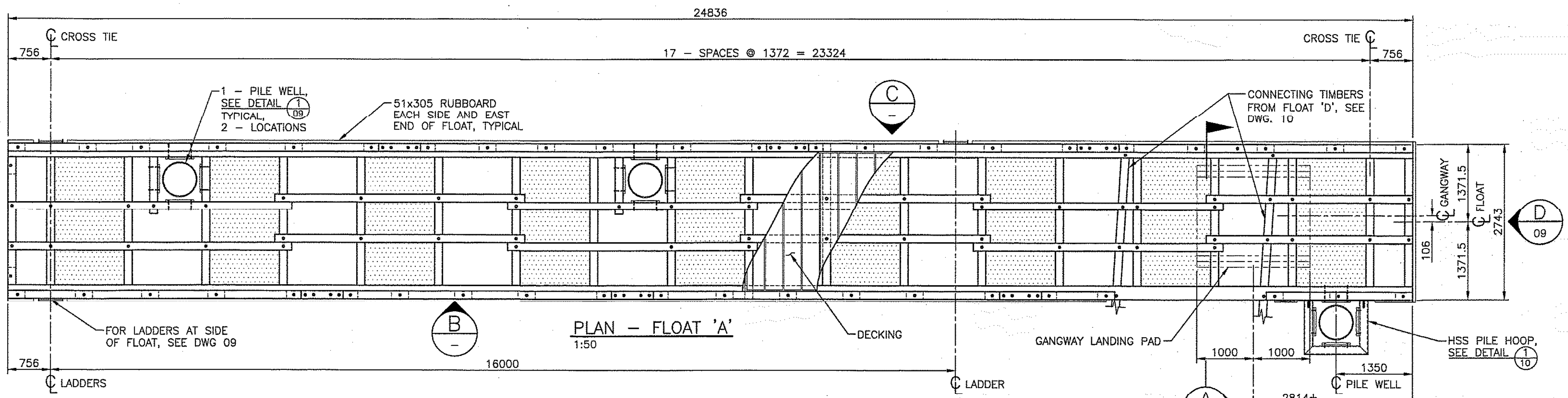
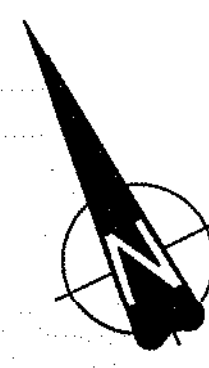
Client/Client: **CANADA BORDER SERVICES AGENCY**

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

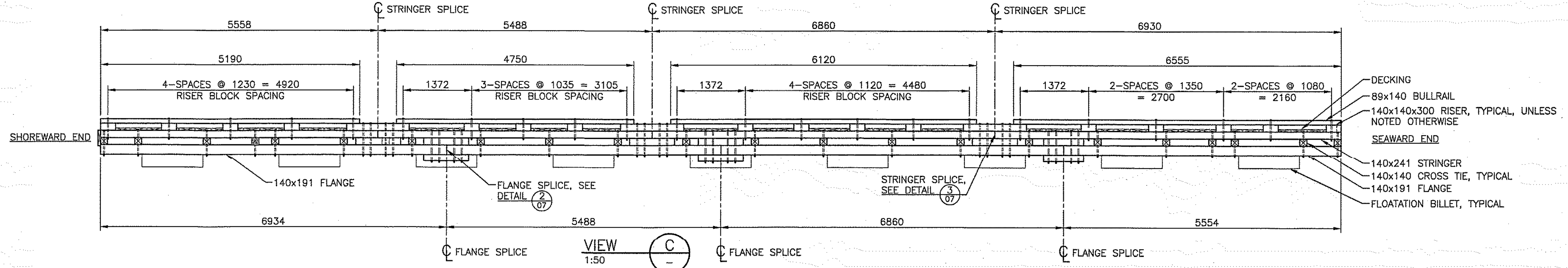
Designed by/Concepté par: **HAM**
 Drawn by/Dessiné par: **PHU**
 PWGSC Project Manager/Administrateur de Projets TPSGC: **JULIAN HO**
 Regional Manager, Architectural and Engineering Services/Gestionnaire régionale, Services d'architecture et de génie, TPSGC

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

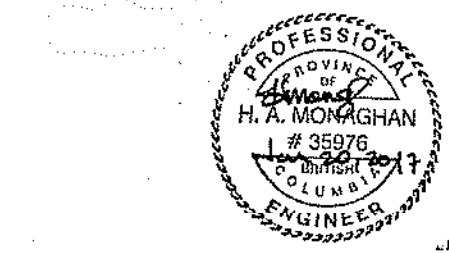
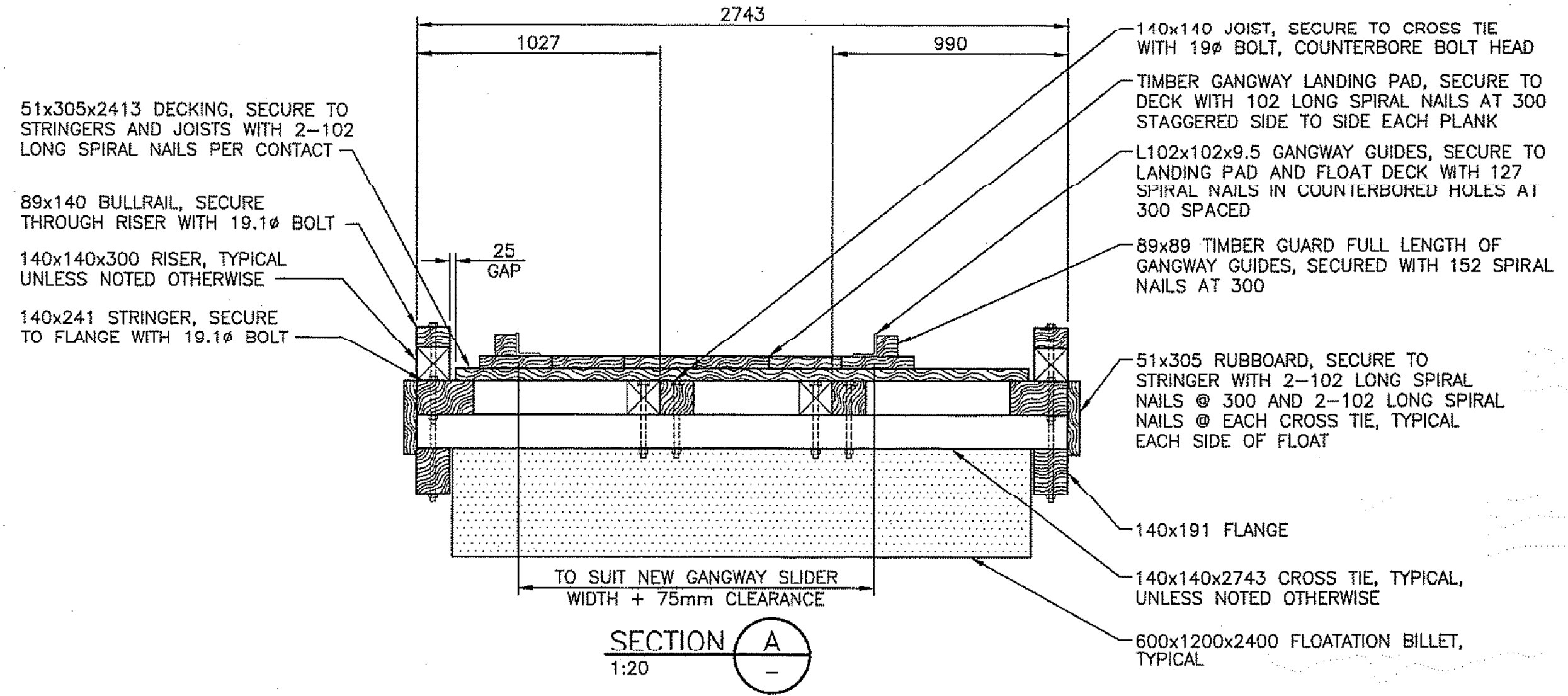
Project No./No. du projet: R.083172.001	Sheet/feuille: 03	Revision no./La Révision no.: 2
	OF 12	



NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



Revision/Description	Date/Date
3	
2	ISSUED FOR TENDER 17/01/20
1	ISSUED FOR 80% REVIEW 16/11/04
0	ISSUED FOR 60% REVIEW 15/09/20

Client/client: CANADA BORDER SERVICES AGENCY

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

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

Consultant Signature Only

Designed by/Concept par: HAM

Drawn by/Dessiné par: PHU

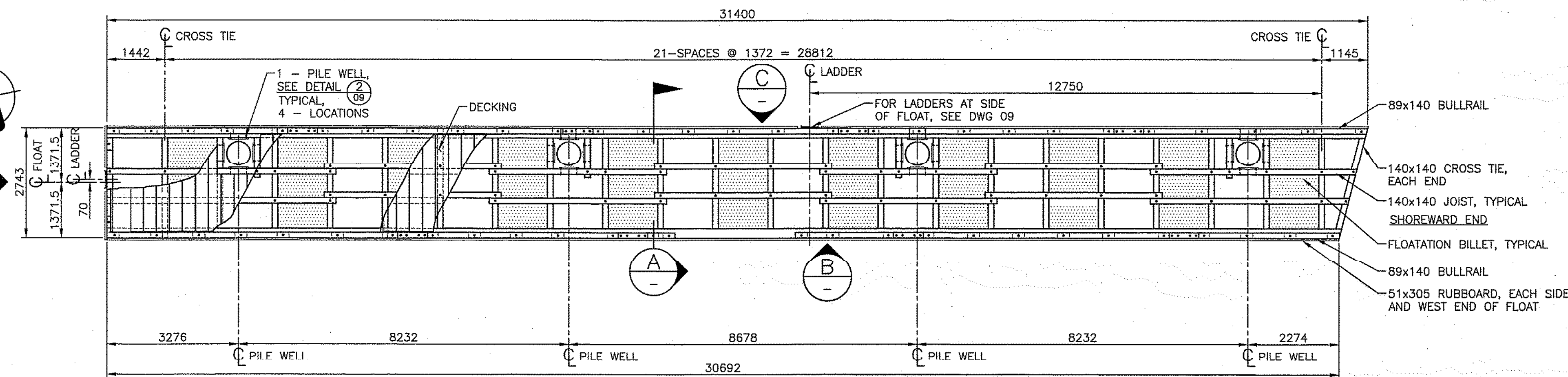
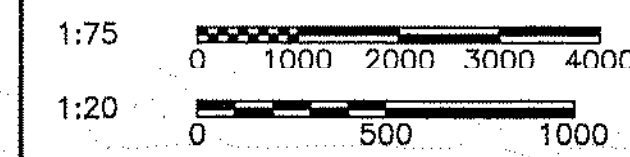
PWOSC Project Manager/Administrateur de Projets TPSGC: JULIAN HO

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

Drawing title/Titre du dessin: FLOAT 'A' PLAN, VIEWS AND SECTION

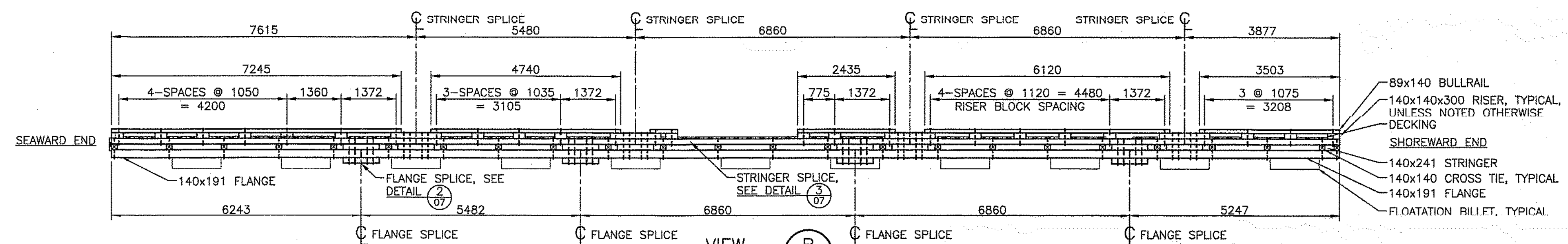
Project No./No. du projet	Sheet/Feuille	Revision no./La Revision no.
R.083172.001	04 OF 12	2





PLAN - FLOAT 'B'

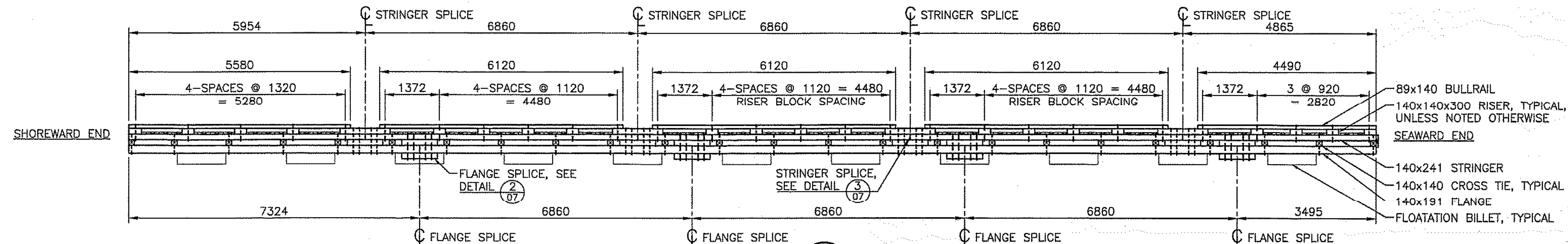
1:75



VIEW B

1:75

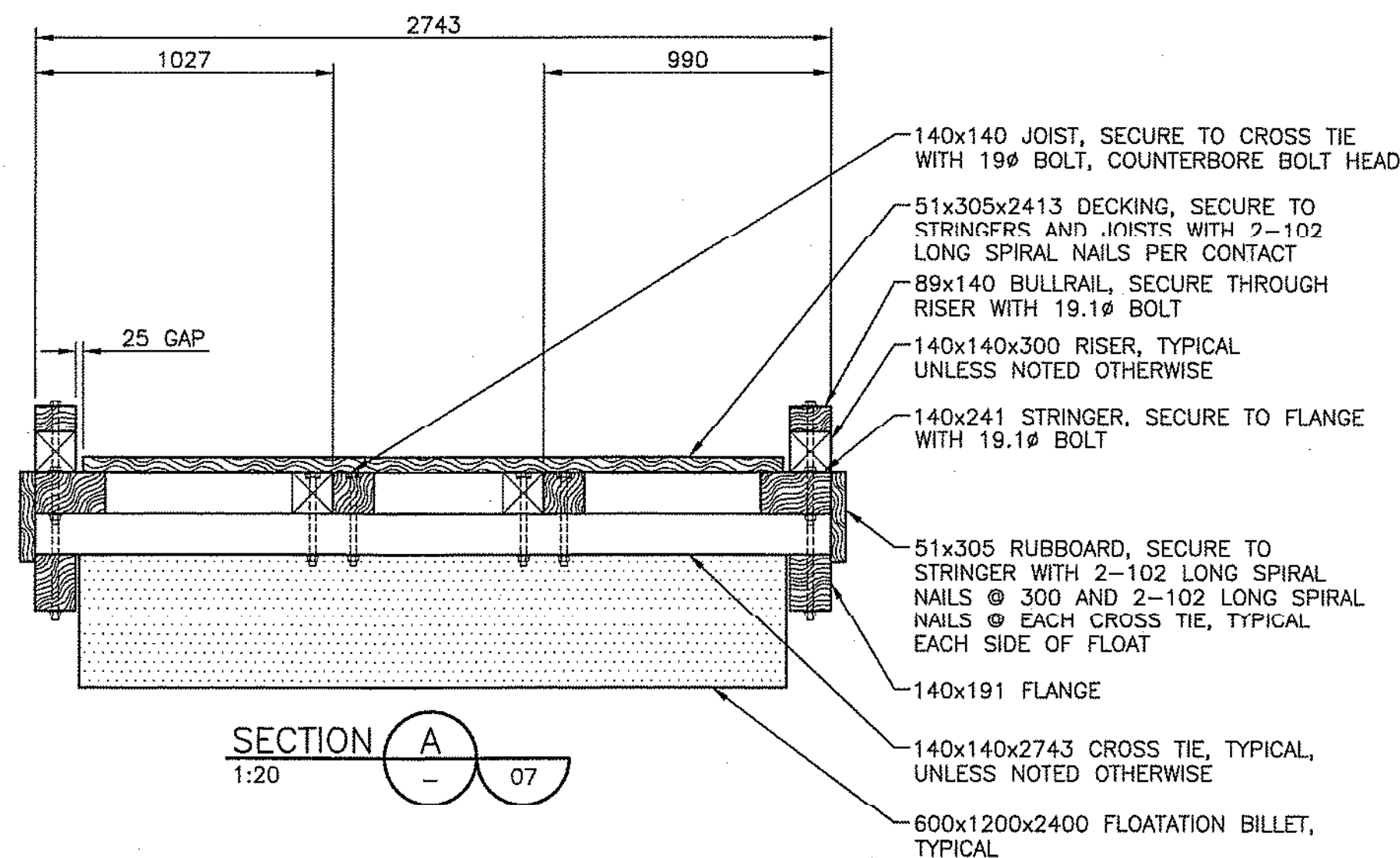
NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



VIEW C

1:75

NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



SECTION A

1:20



Revision/	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 90% REVIEW	19/11/04
0	ISSUED FOR 80% REVIEW	19/09/20

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

PWSC Project Manager/Administrateur de Projets TPSC
JULIAN HO

Regional Manager, Architectural and Engineering Services
Gestionnaire régional, Services d'architecture et de génie, TPSC

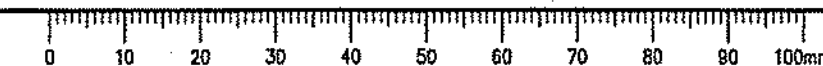
Drawing title/Titre du dessin

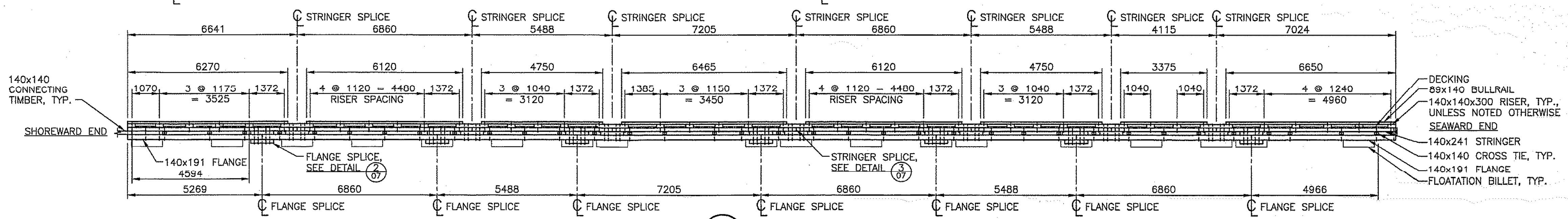
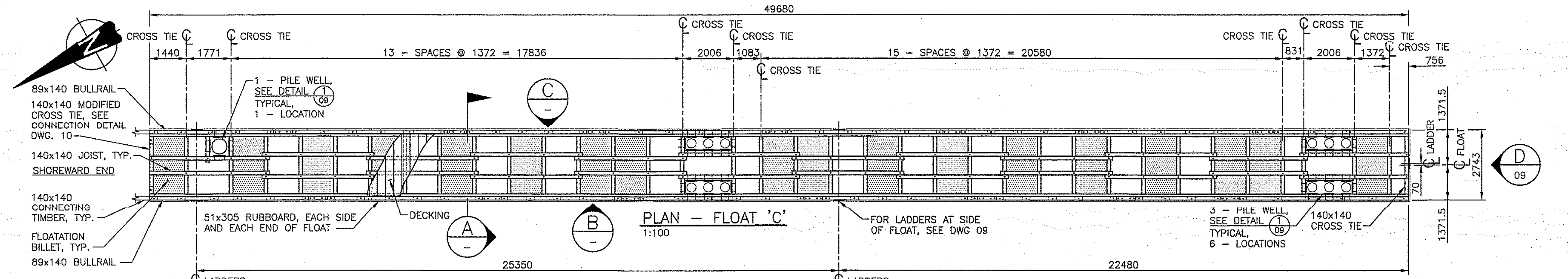
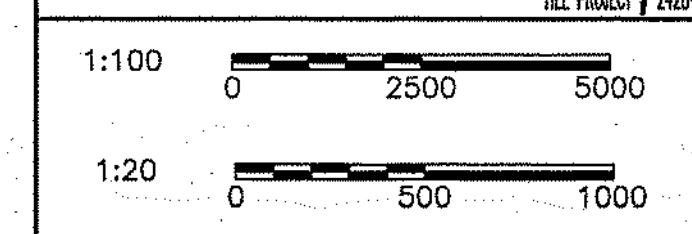
**FLOAT 'B'
PLAN, VIEWS AND SECTION**

Project No./No. du projet
R.083172.001

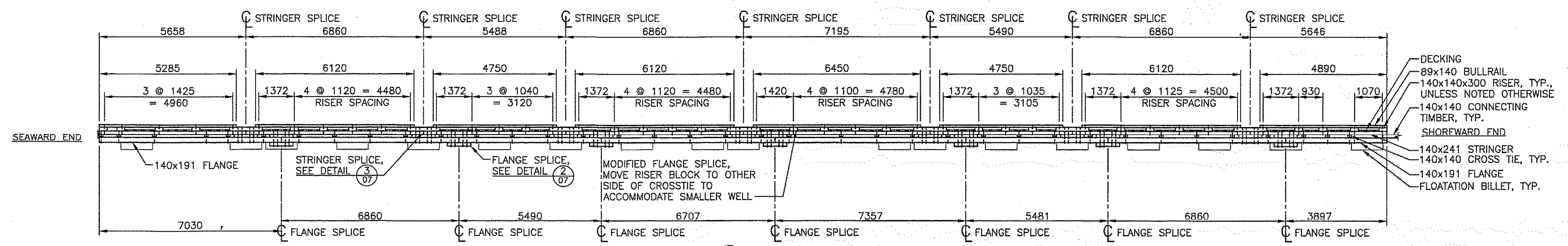
Sheet / feuille
05
OF 12

Revision no./
Lo Révision
no. **2**

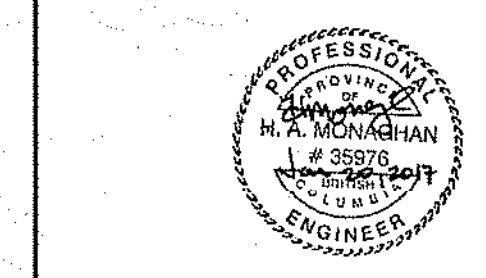
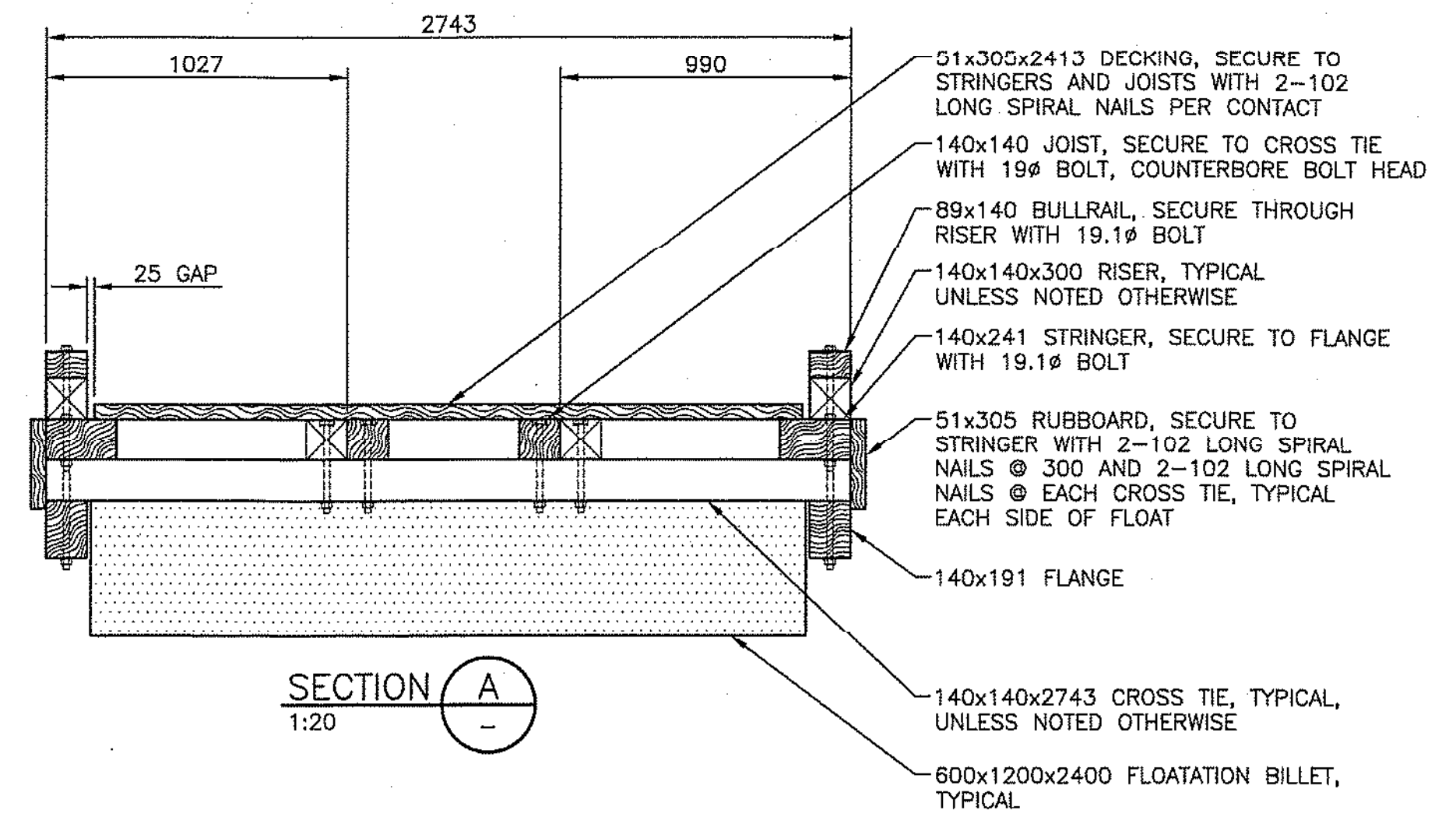




NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



NOTE: SIDE RUBBOARD AND LADDERS NOT SHOWN FOR CLARITY.



Revision/Revisión	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR 90% REVIEW	16/11/04
0	ISSUED FOR 60% REVIEW	16/09/20

Client/Client: **CANADA BORDER SERVICES AGENCY**

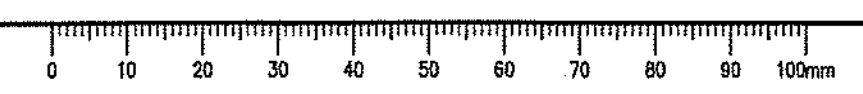
Project title/Titre du projet: **SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR REDEVELOPMENT**

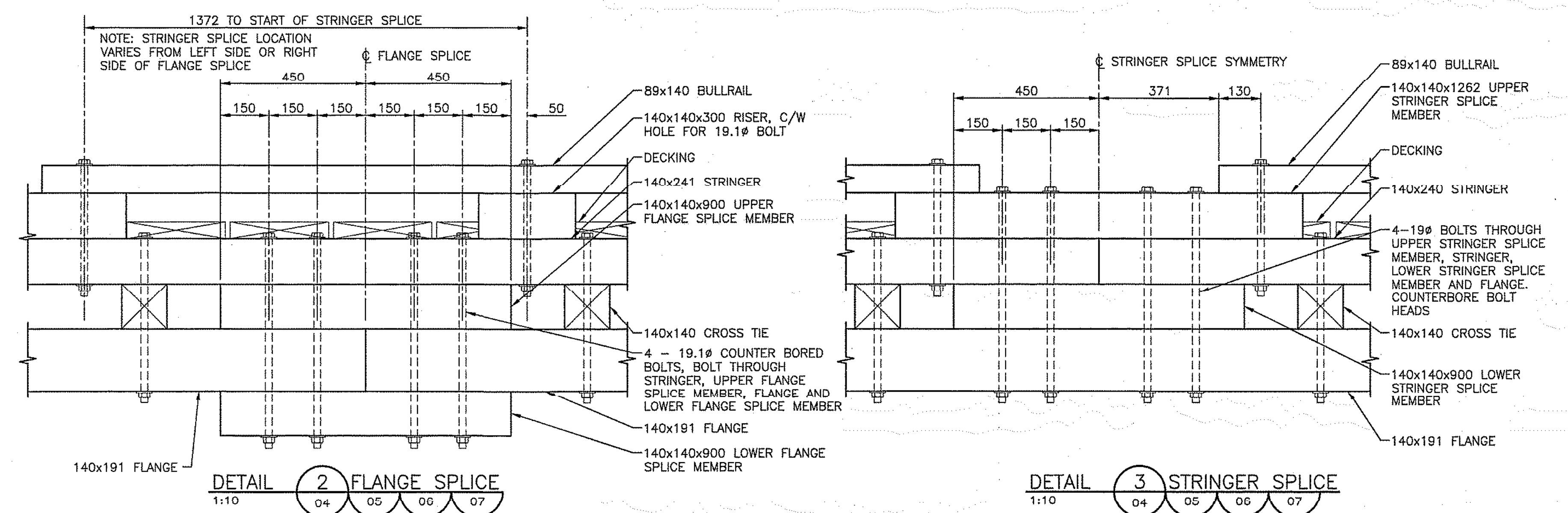
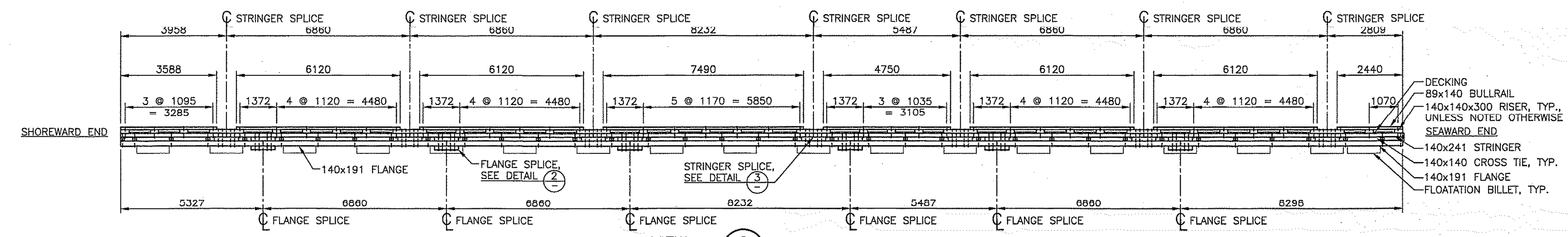
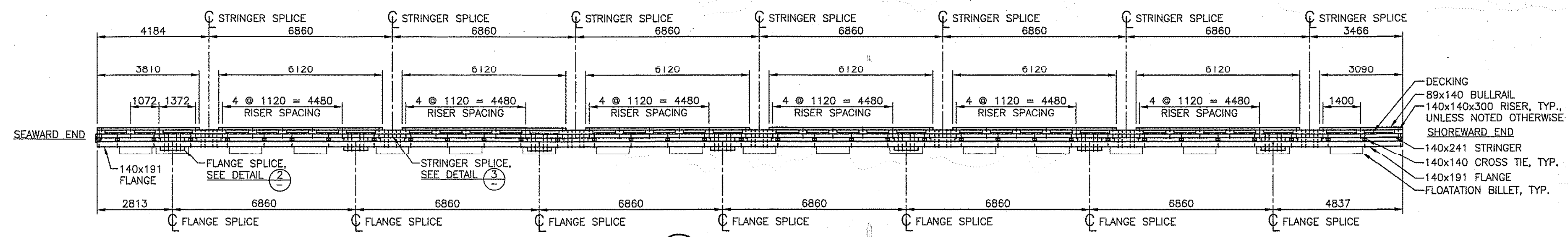
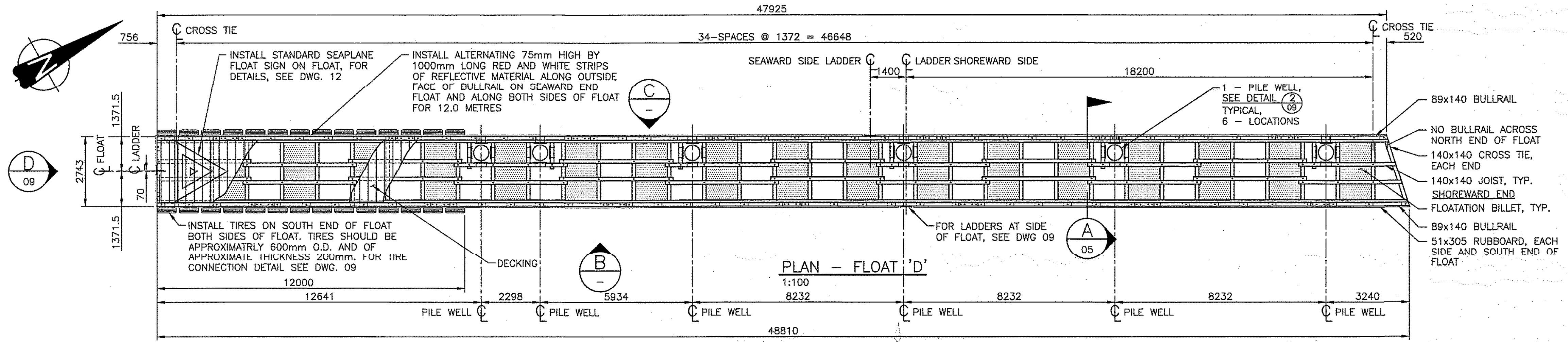
Designed by/Concept par: **HAM**
 Drawn by/Dessiné par: **PHU**
 PWGSC Project Manager/Administrateur de Projets TPSGC: **JULIAN HO**
 Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architectural et de génie, TPSGC

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

Project No./No. du projet	Sheet/Feuille	Revision no./Révision no.
R.083172.001	06	2

OF 12





Revision/Modification	Description/Description	Date/Date
3		
2	ISSUED FOR TENDER	17/01/20
1	ISSUED FOR RFP REVIEW	16/11/04
0	ISSUED FOR RFP REVIEW	16/09/20

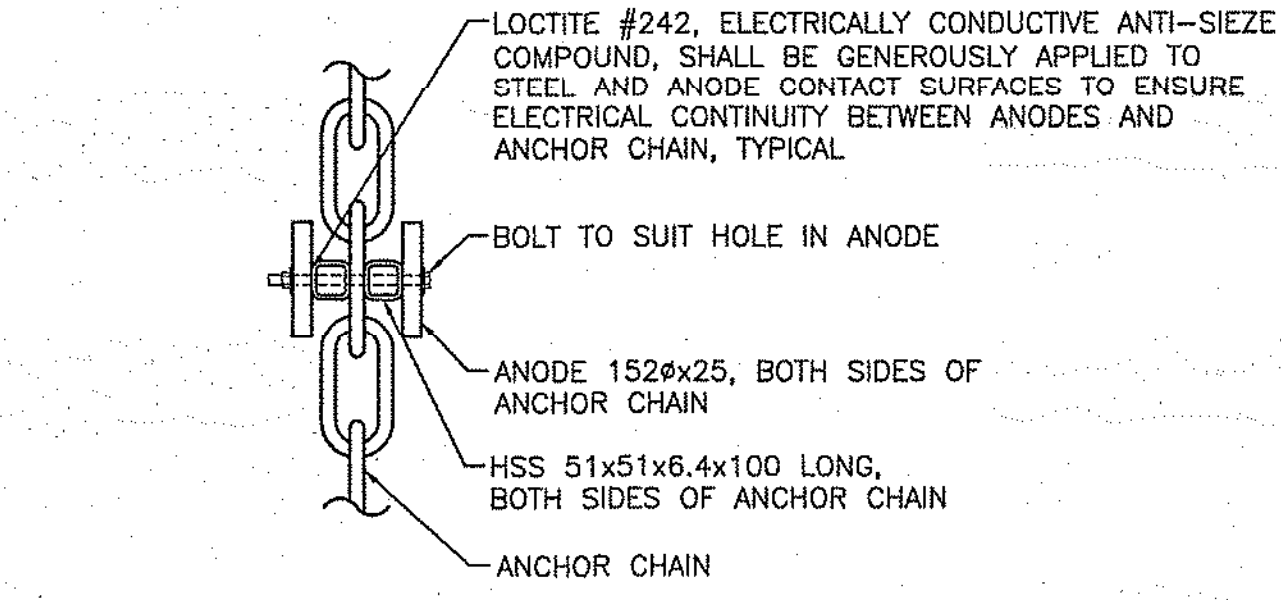
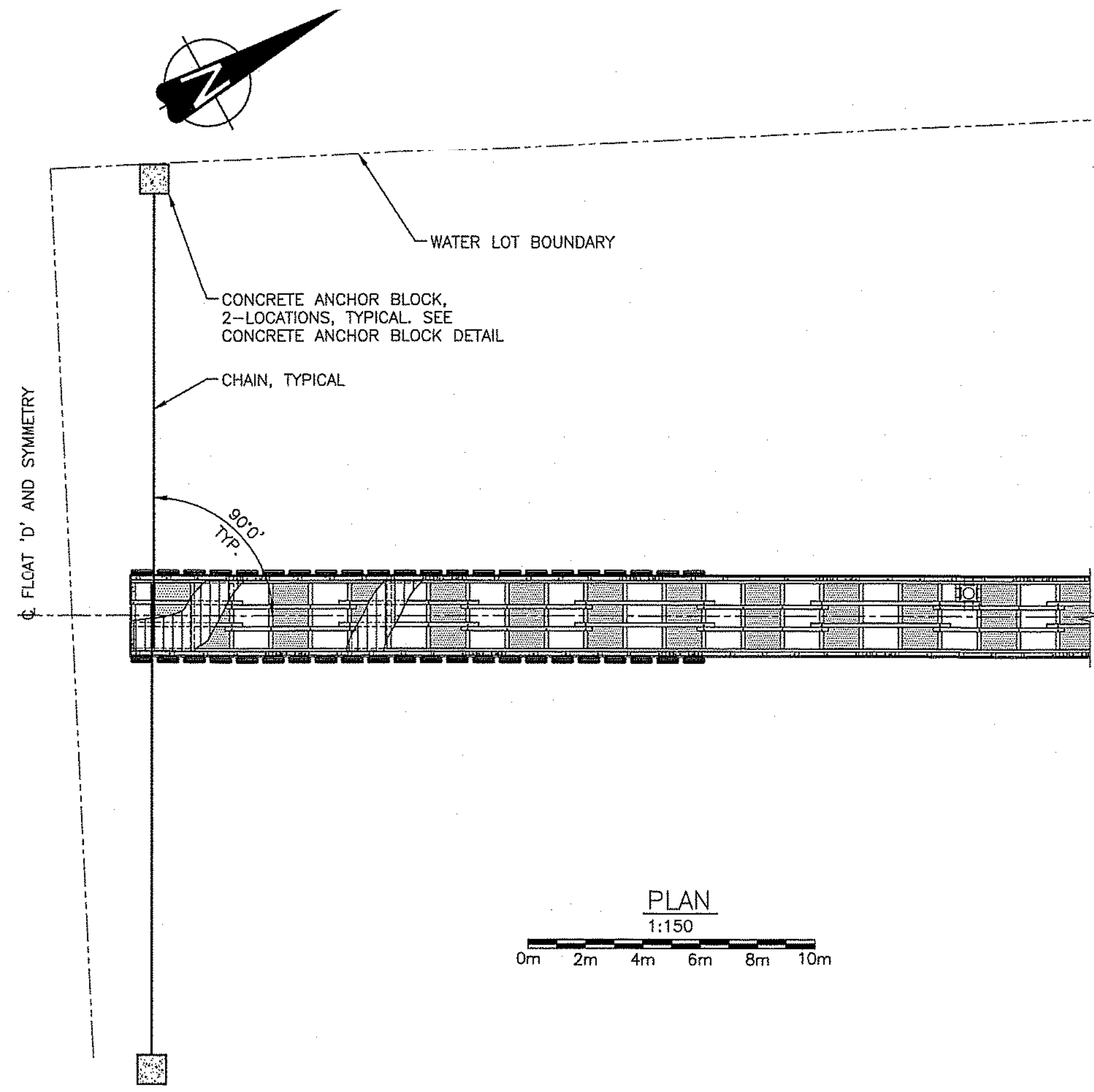
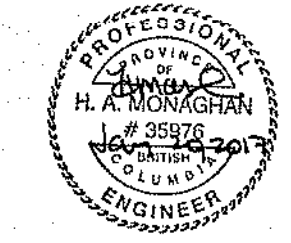
Client/client
CANADA BORDER SERVICES AGENCY

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

Consultant Signature/Unit
Designed by/Concept par
HAM
Drawn by/Dessiné par
PHU
PWSC Project Manager/Administrateur de Projets TPSCG
JULIAN HO
Regional Manager, Architectural and Engineering Services / Gestionnaire Régionale, Services d'architectural et de génie, TPSCG

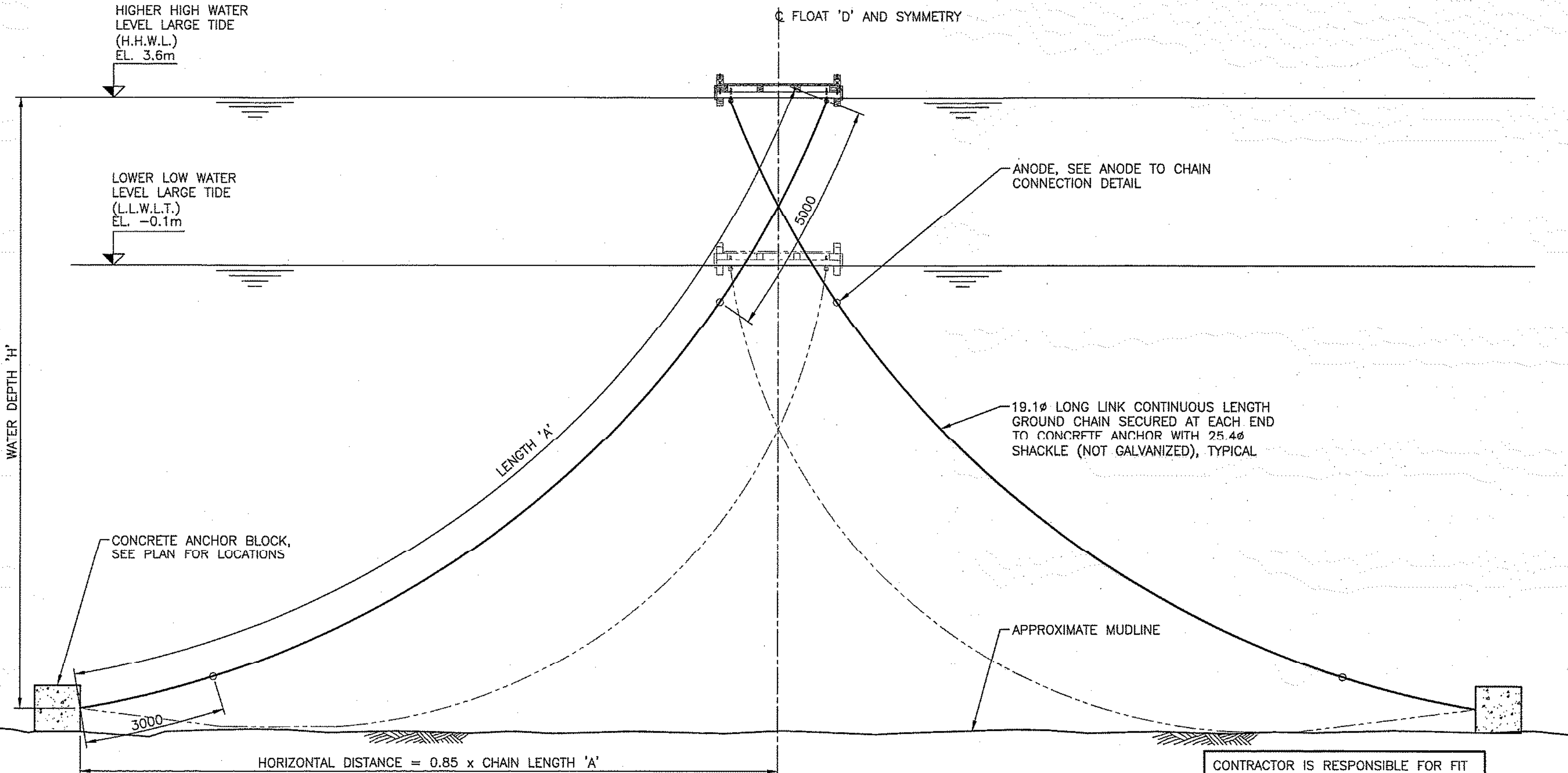
Drawing title/Titre du dessin
FLOAT 'D' PLAN, VIEWS AND DETAILS

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



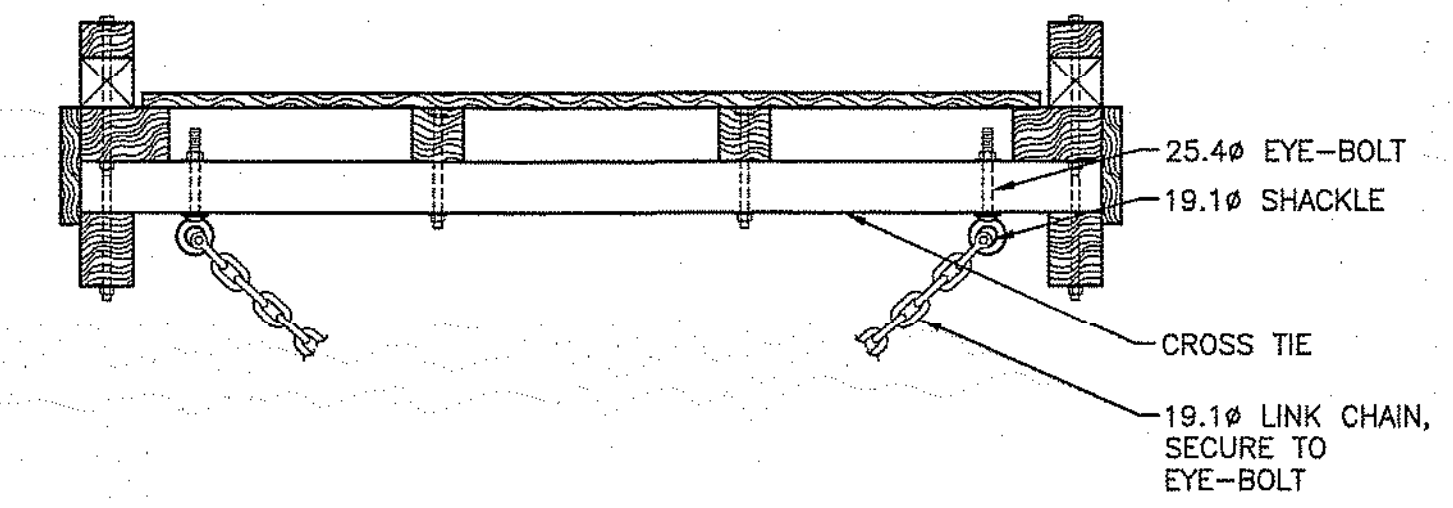
DETAIL - ANODE TO CHAIN CONNECTION
1:10

NOTE: 8-REQUIRED.

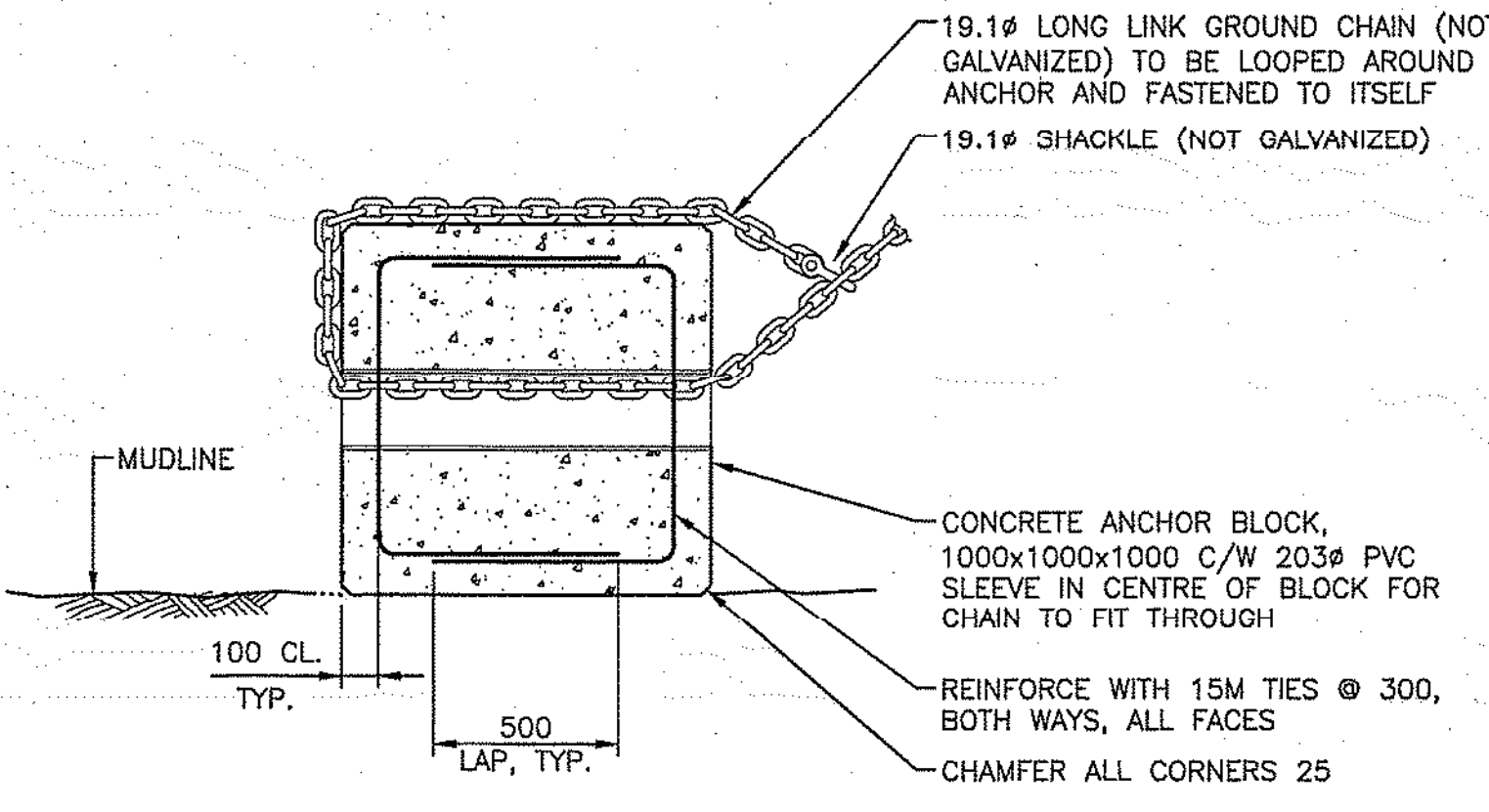


ELEVATION - FLOAT MOORING CHAIN REPLACEMENT
1:75

NOTE: THE CONTRACTOR WILL ADVISE THE DEPARTMENTAL REPRESENTATIVE OF THE WATER DEPTH AT LOW TIDE AT THE ANCHOR LOCATION. CHAIN LENGTH WILL BE 2.5 x H WHERE 'H' IS THE WATER DEPTH AT HIGH TIDE AT THE ANCHOR LOCATION.



SECTION - ANCHOR CHAIN CONNECTION
1:20



DETAIL - CONCRETE ANCHOR BLOCK
1:20

NOTE: 4-REQUIRED.

CONTRACTOR IS RESPONSIBLE FOR FIT COMPATIBILITY OF ALL CHAINS, FITTINGS AND METAL FABRICATIONS.

Revision/Description	Date/Date
3	
2	
1	ISSUED FOR TENDER 17/01/20
0	ISSUED FOR 95% REVIEW 16/11/04

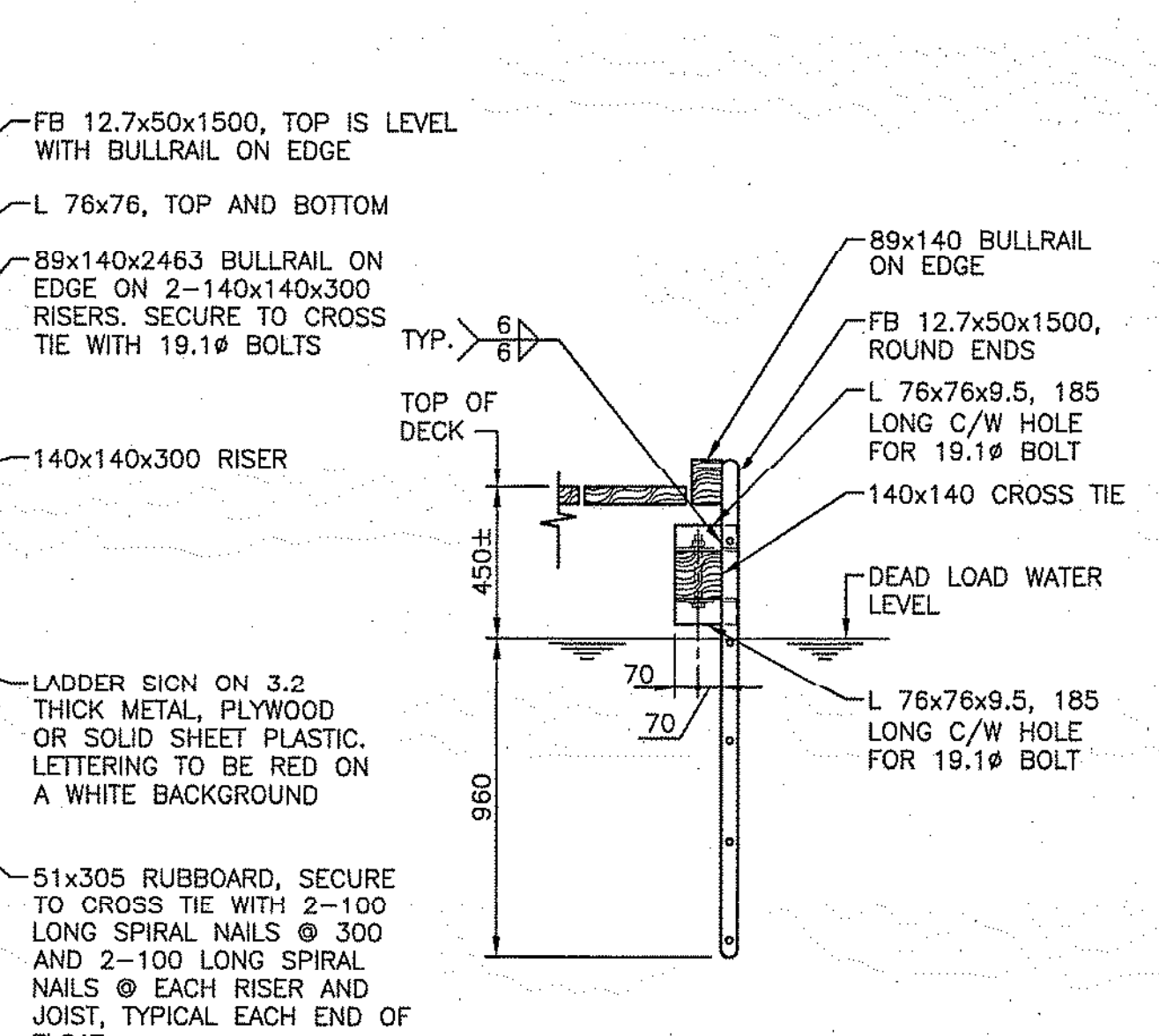
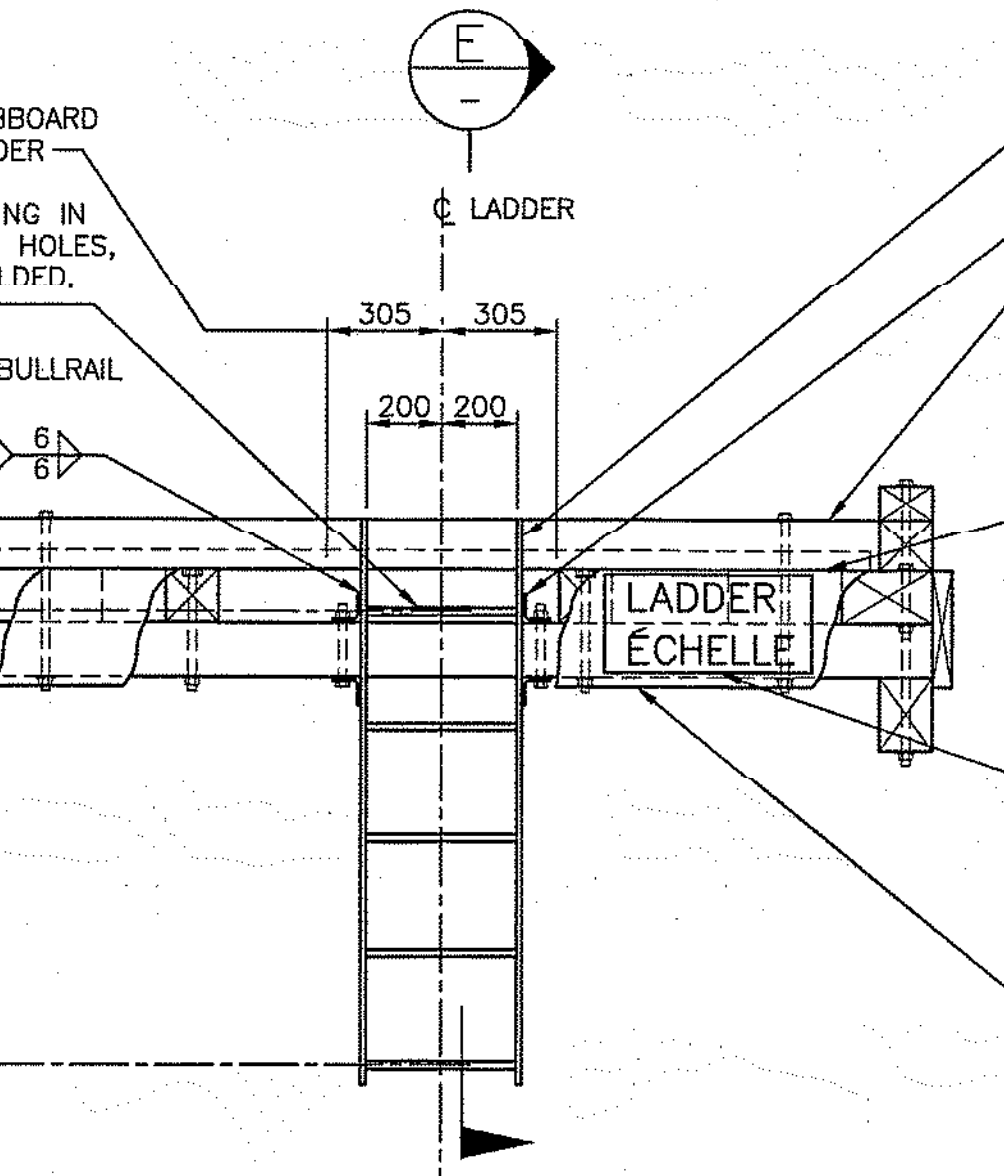
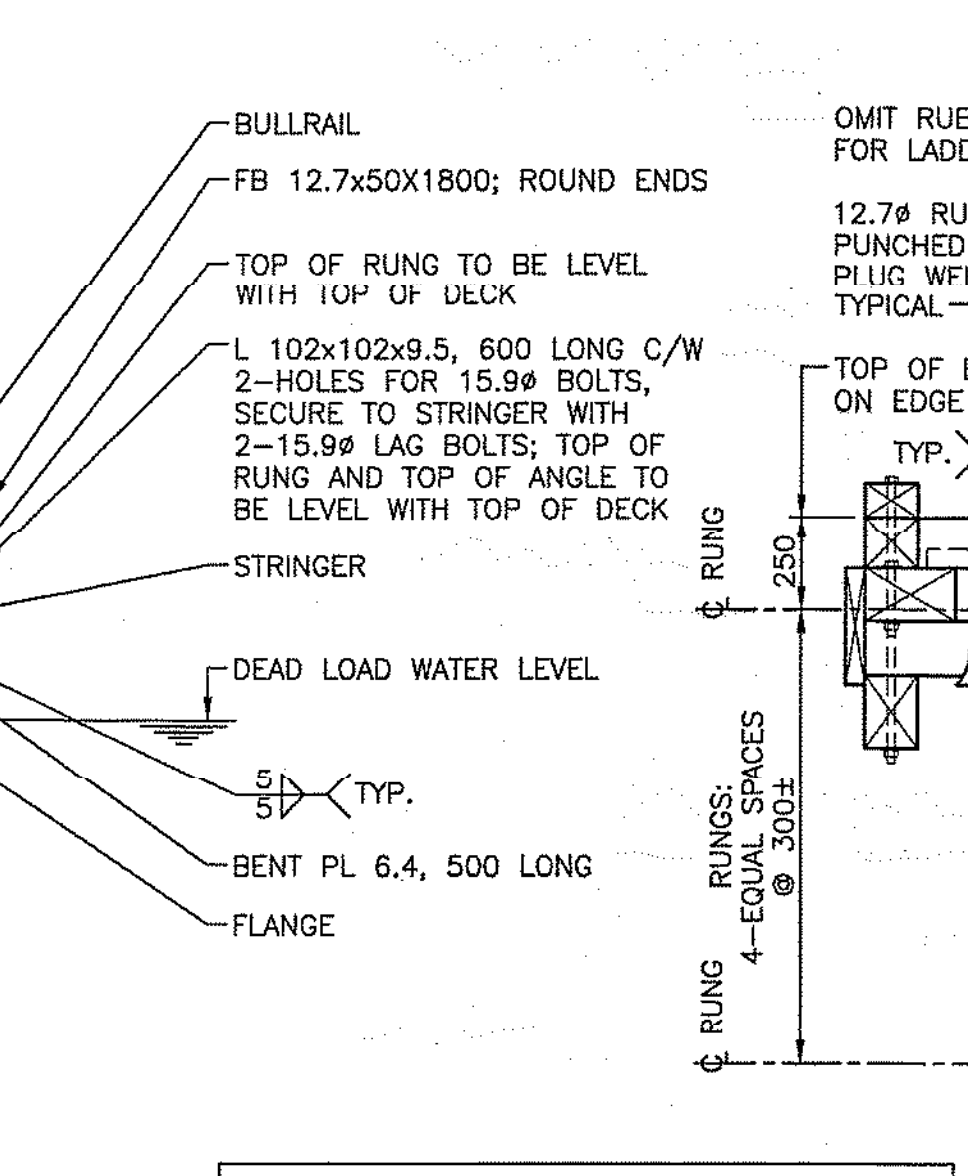
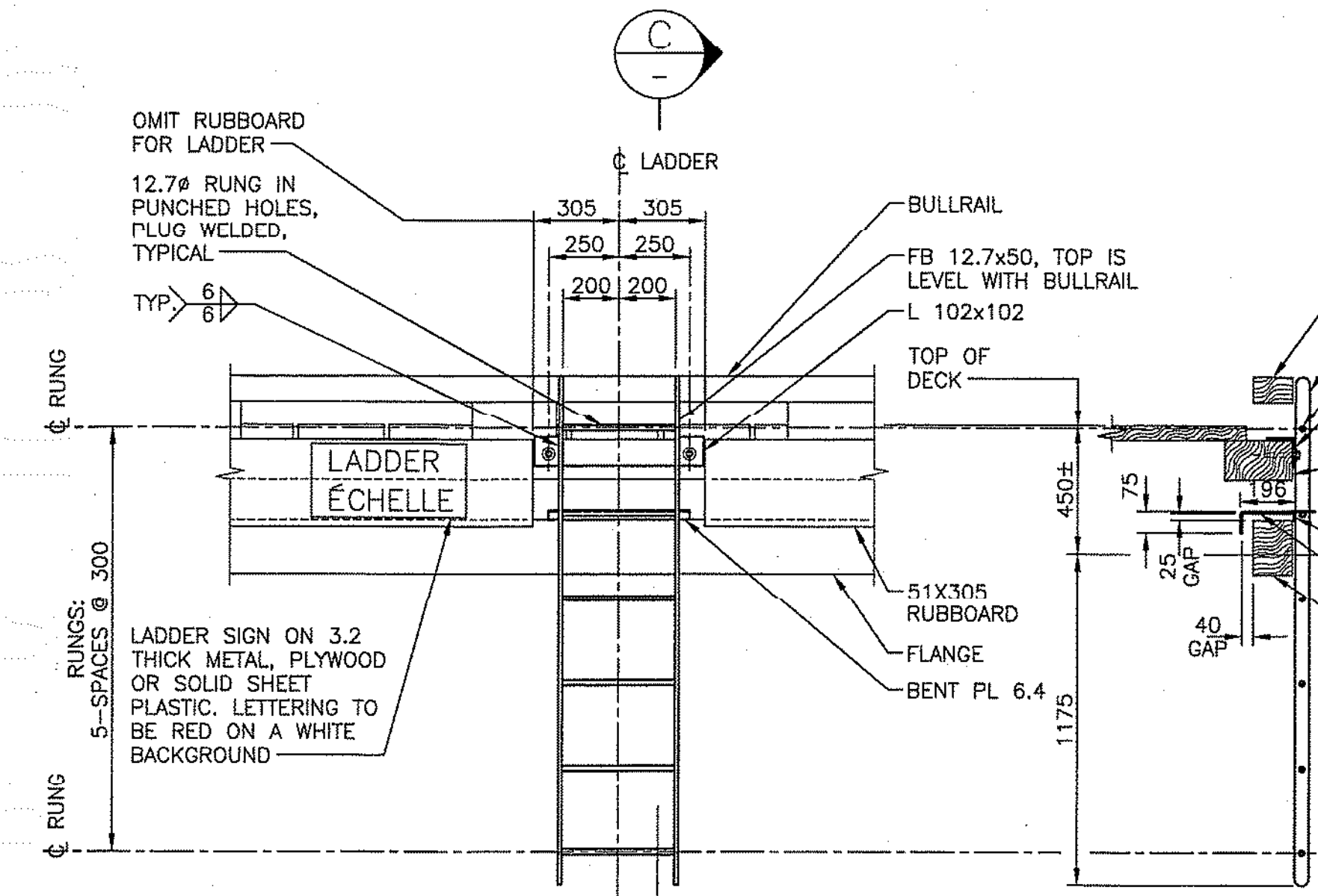
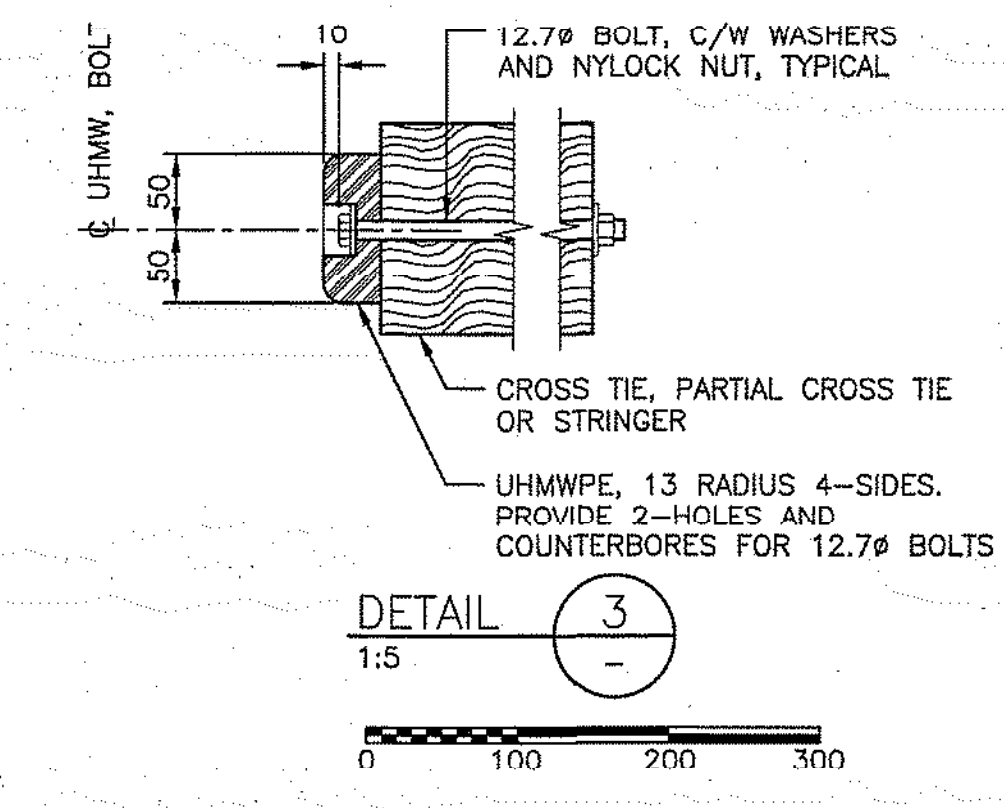
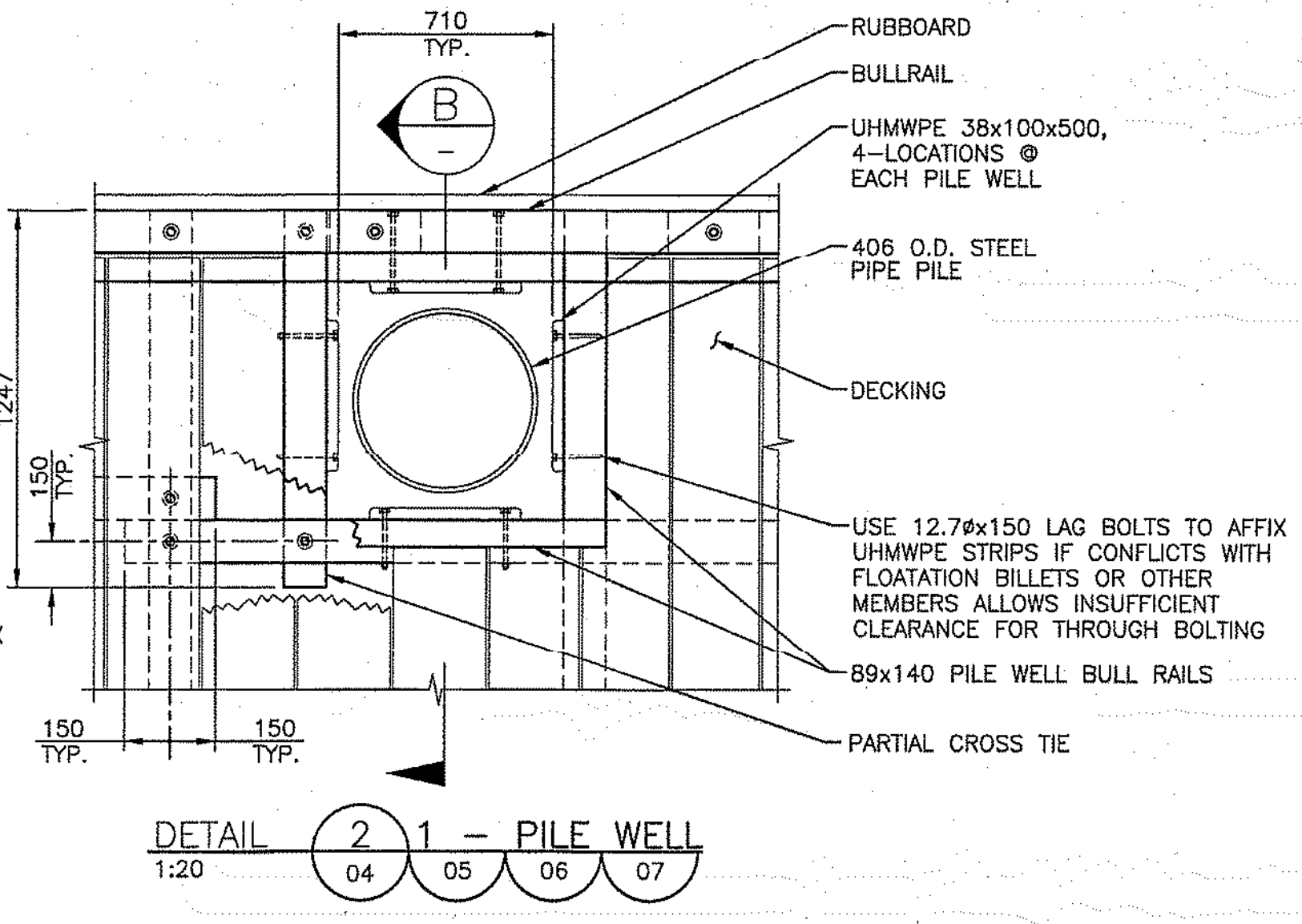
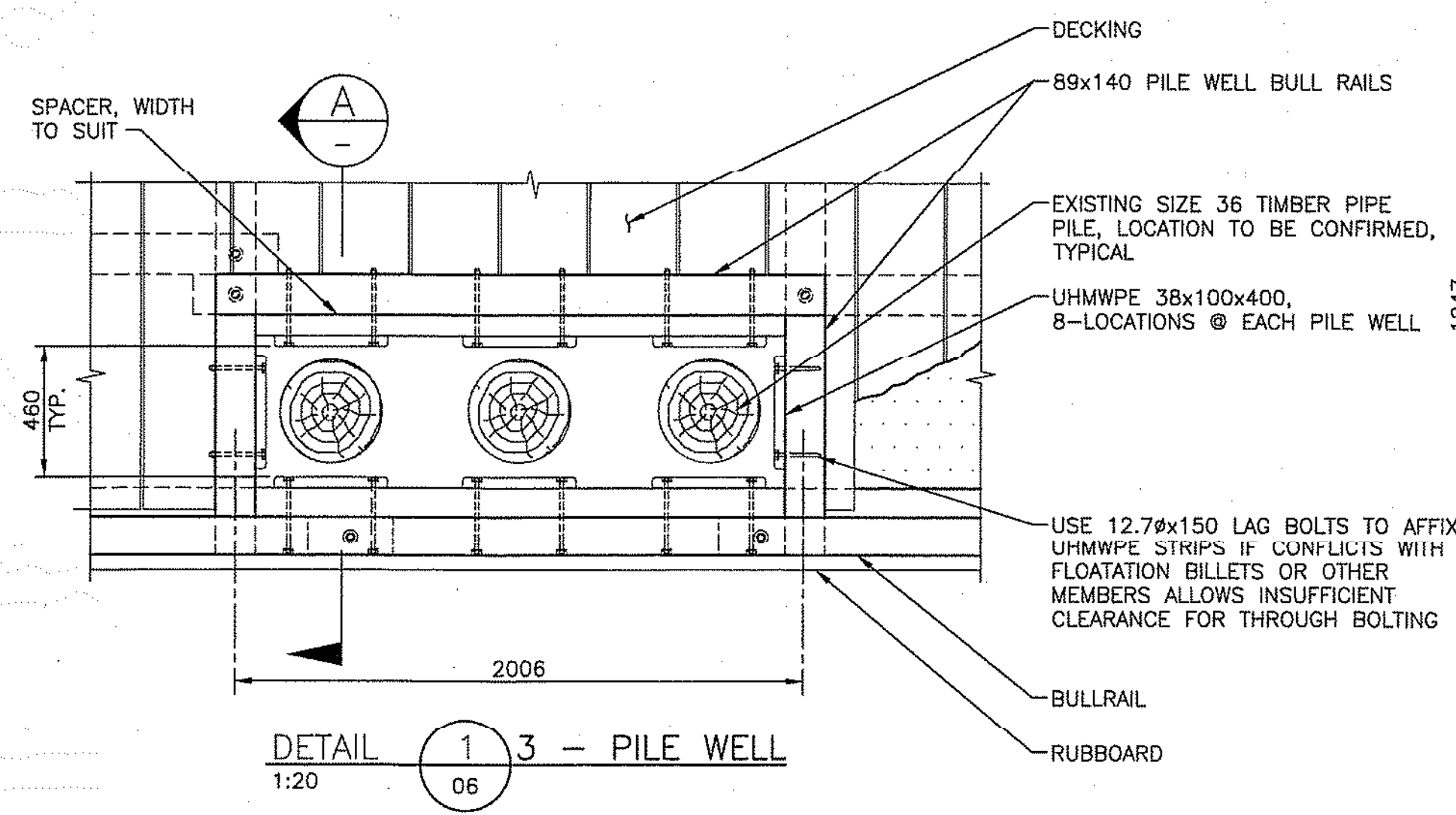
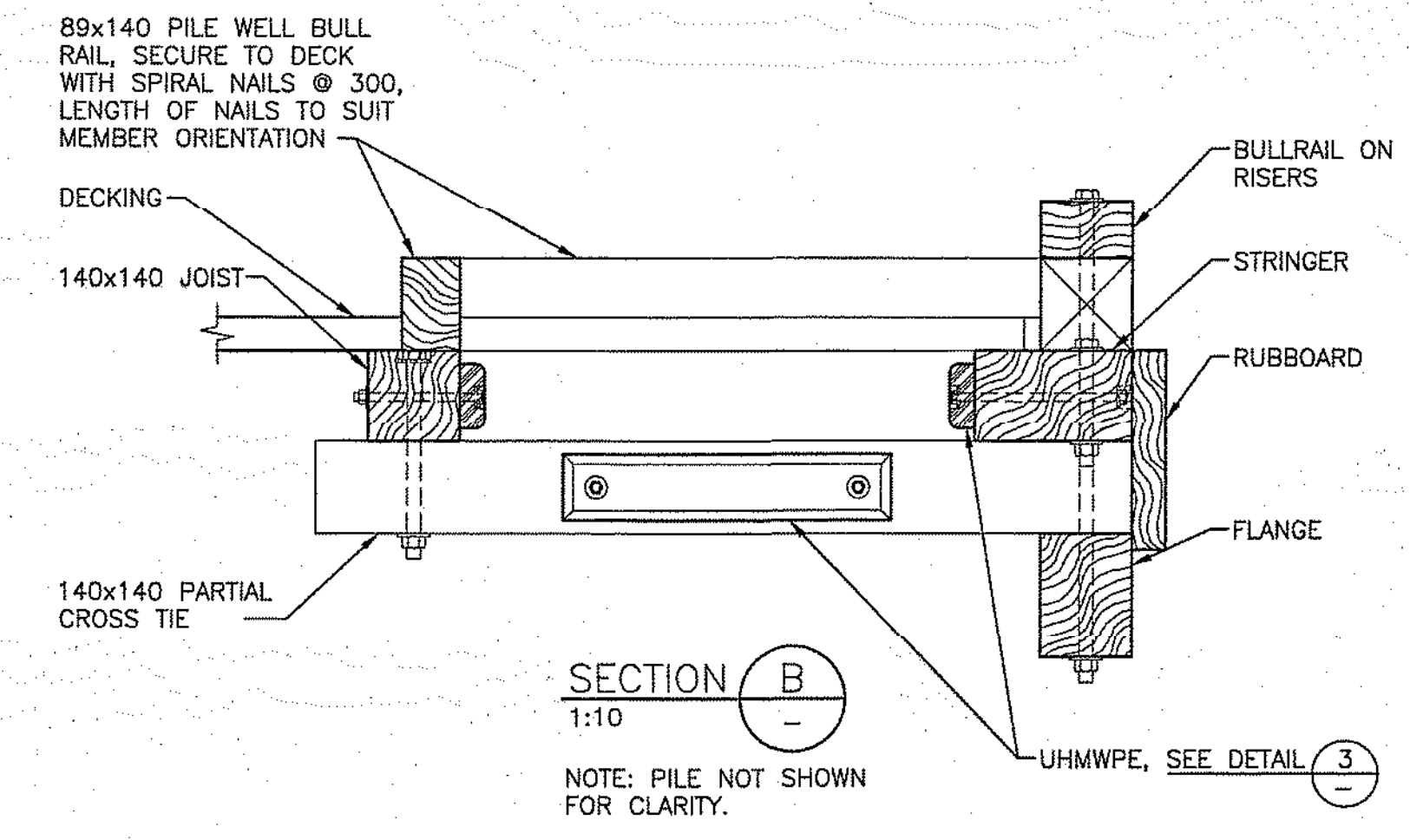
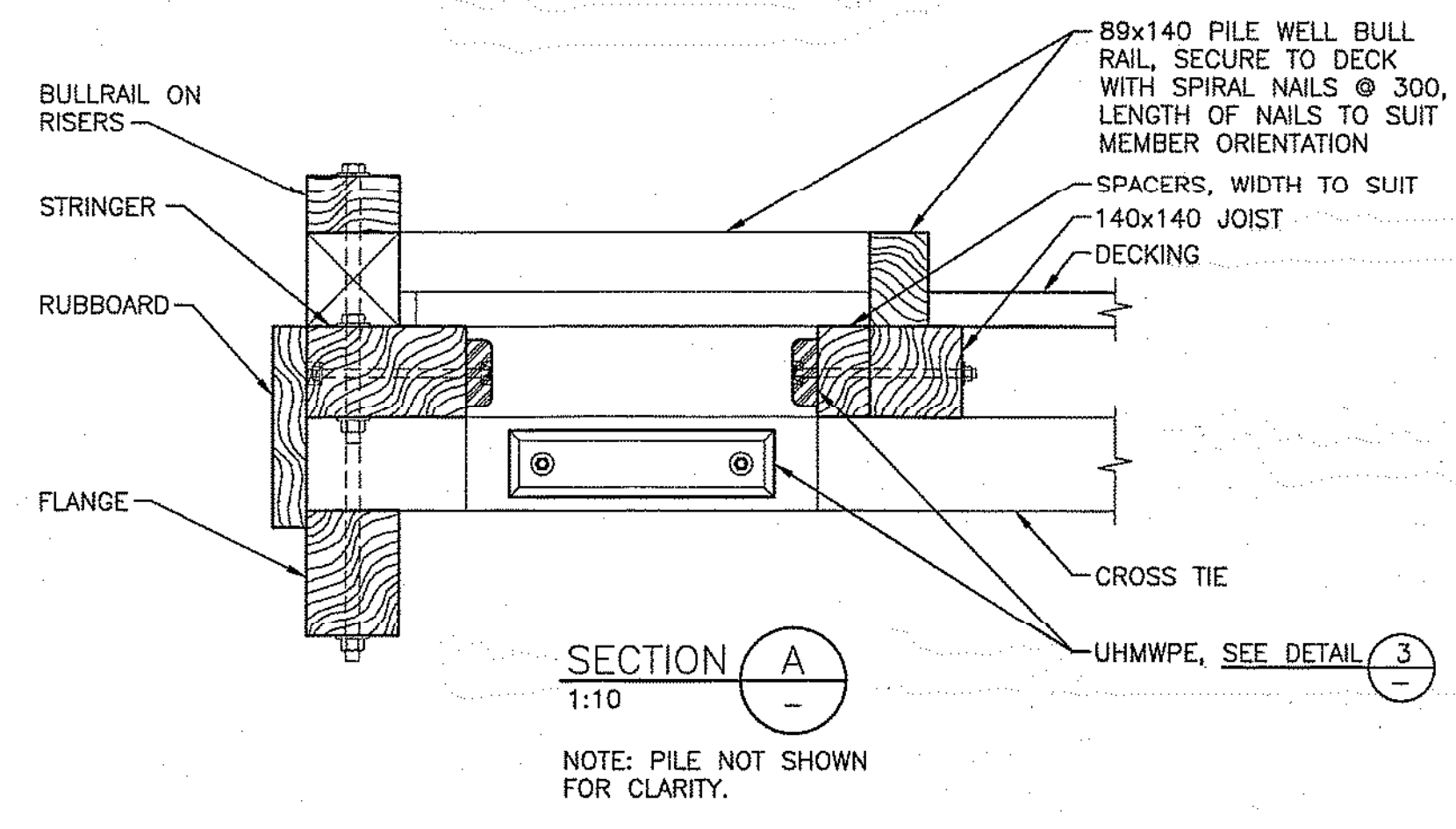
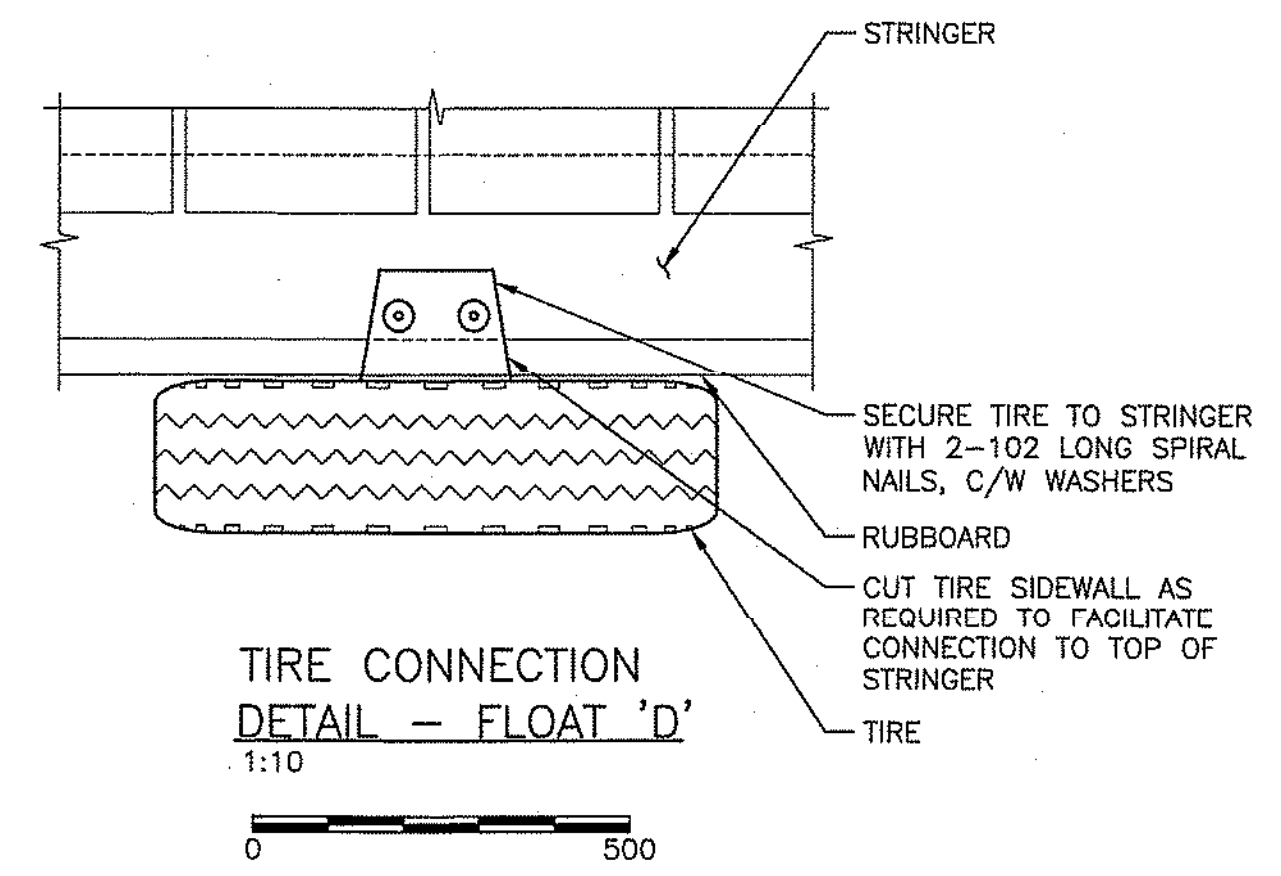
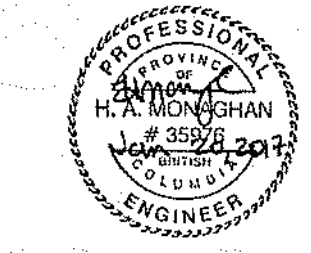
Client/client
CANADA BORDER SERVICES AGENCY

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: JMC
 PWGSC Project Manager/Administrateur de Projets: TPSCG JULIAN HO
 Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architecture et de génie, TPSCG

Drawing title/Titre du dessin
FLOAT 'D' ANCHORAGE

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.083172.001	08 OF 12	1



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.

1	ISSUED FOR TENDER	17/01/20
2		
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6	ISSUED FOR 80% REVIEW	16/11/04
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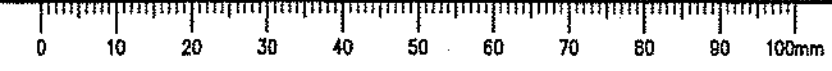
CANADA BORDER SERVICES AGENCY

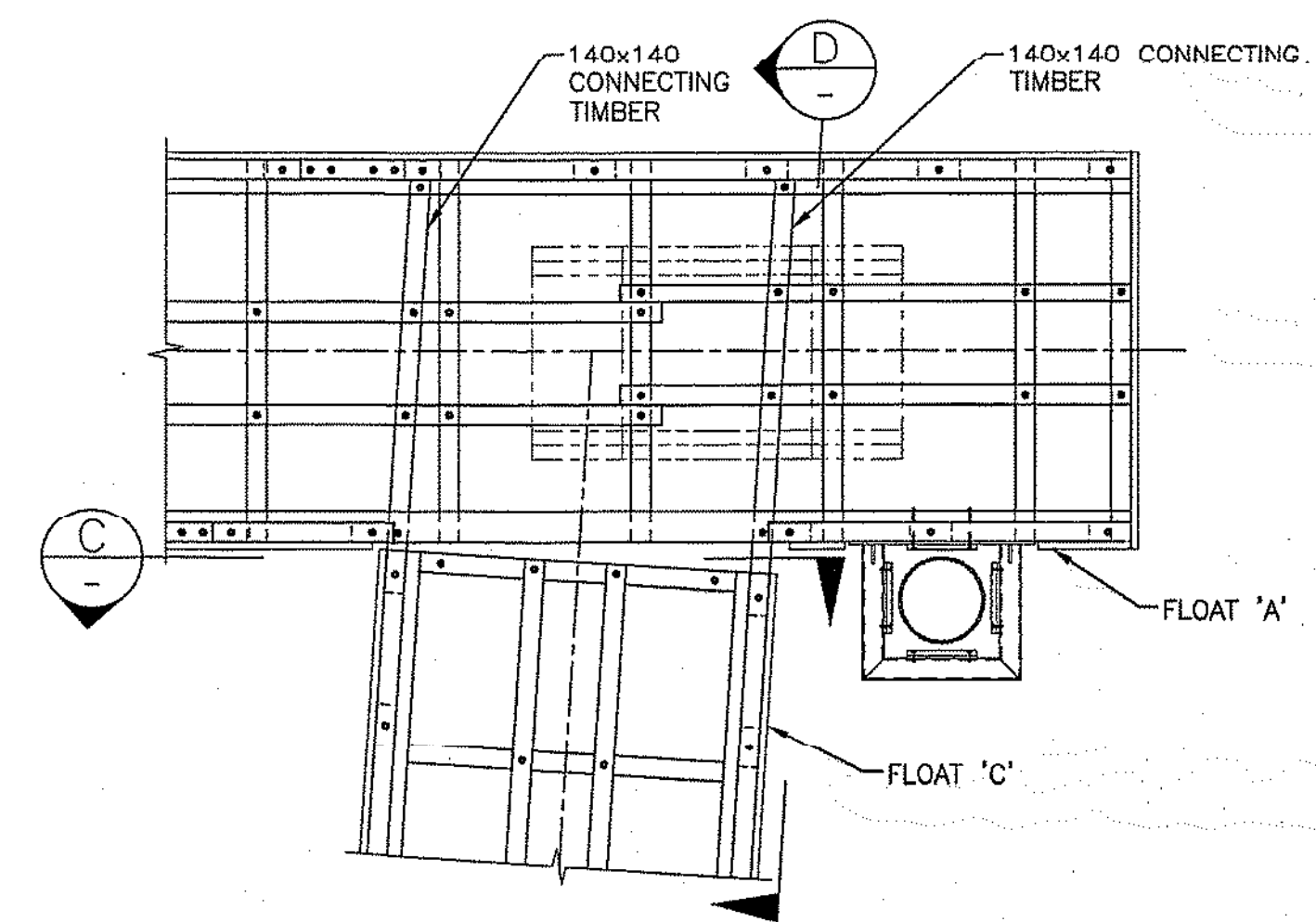
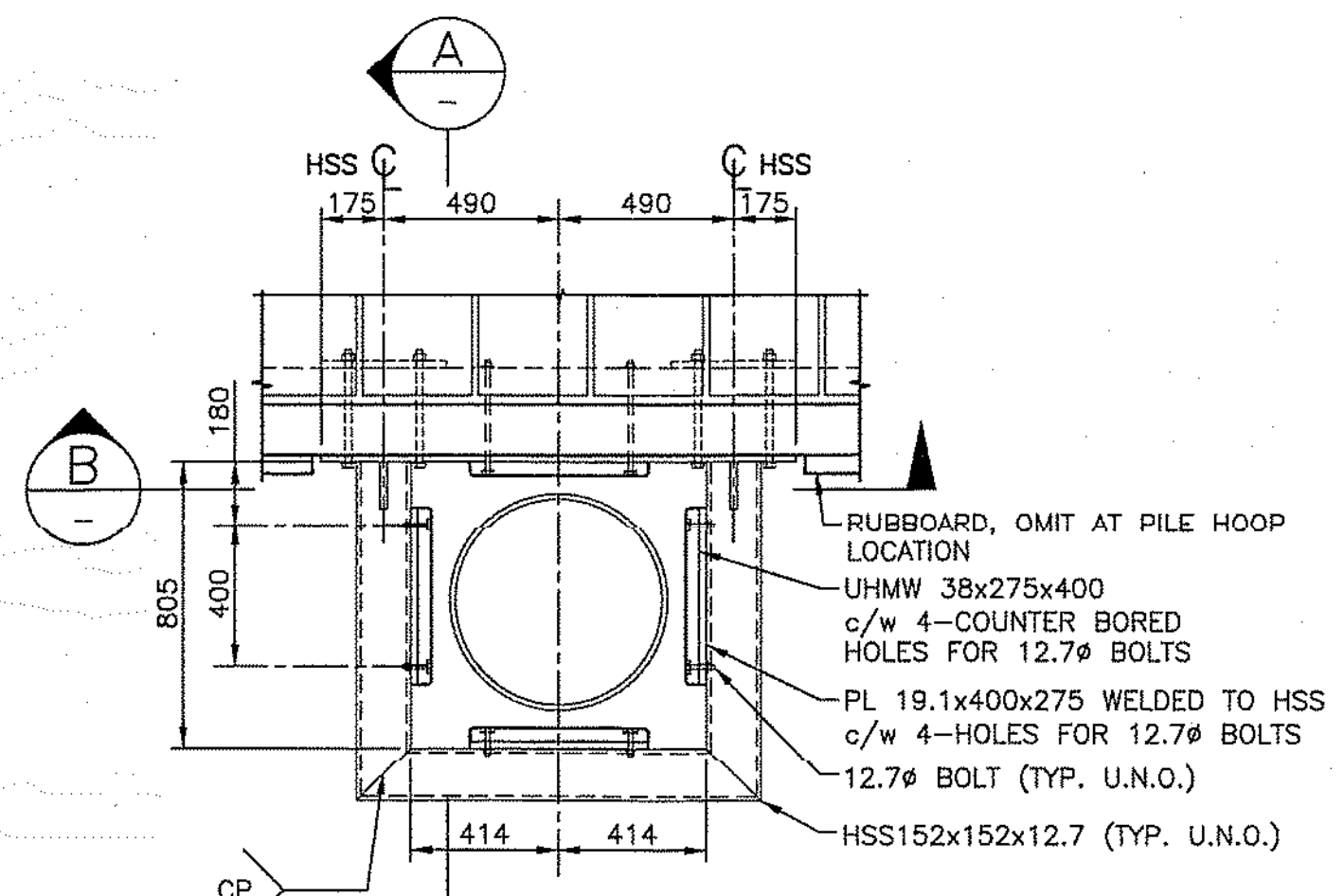
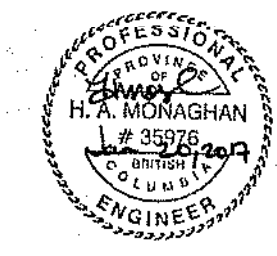
Project/Title du projet
SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR HARBOUR REDEVELOPMENT

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

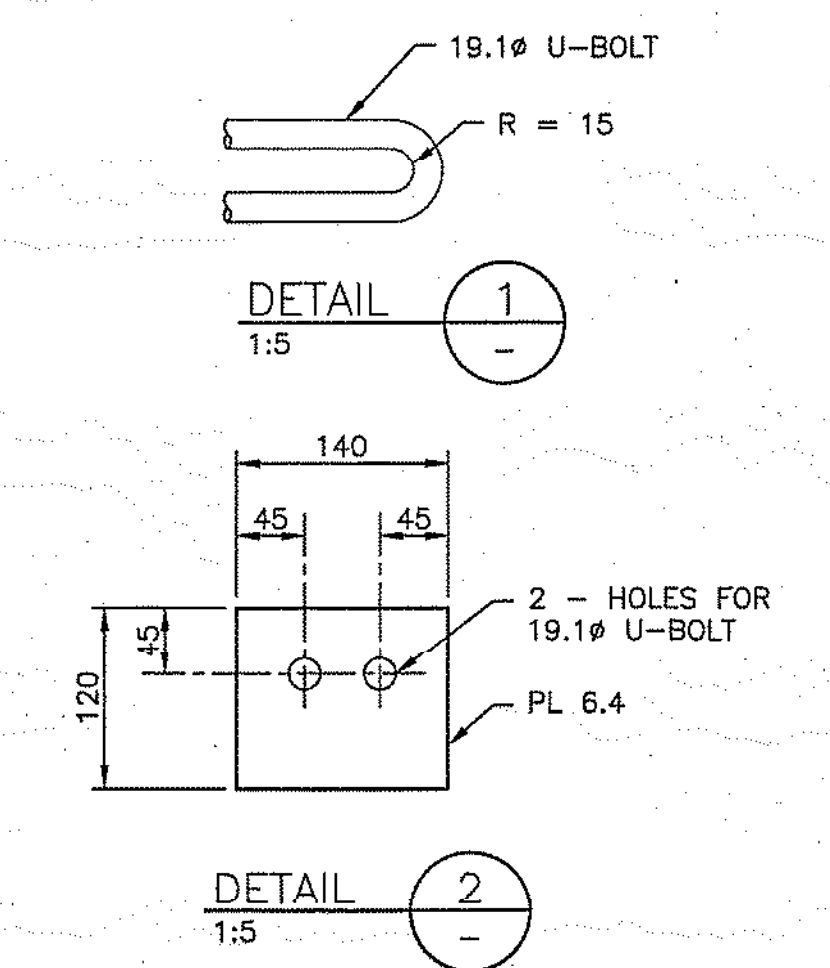
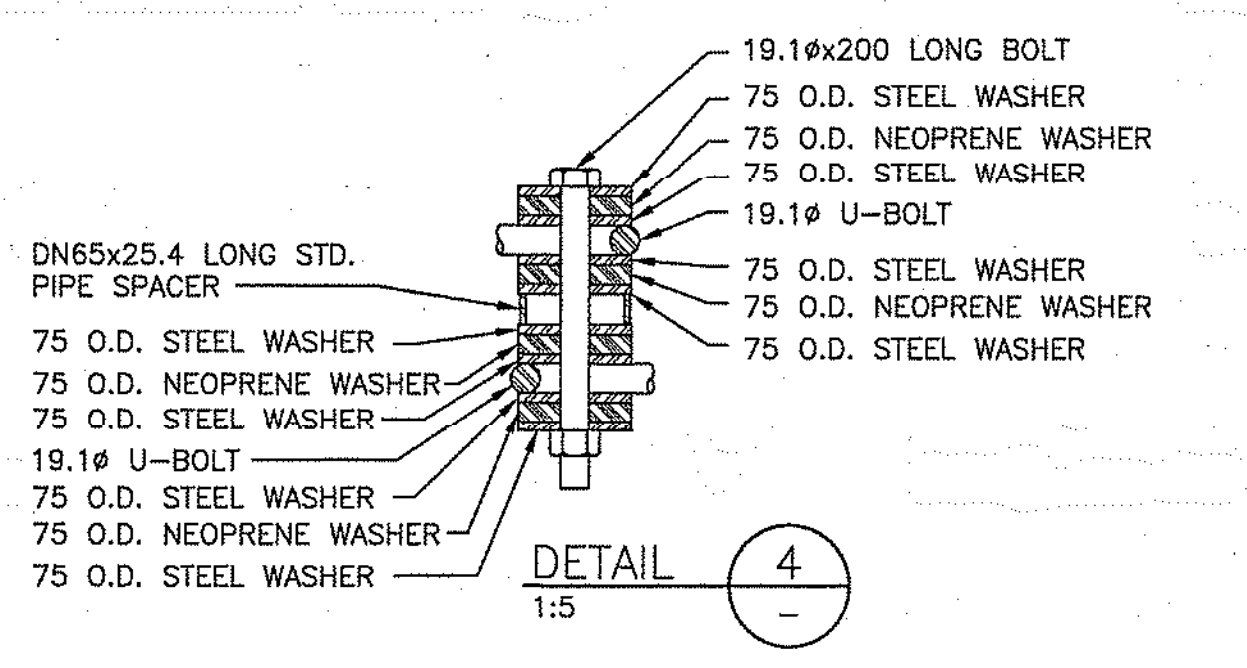
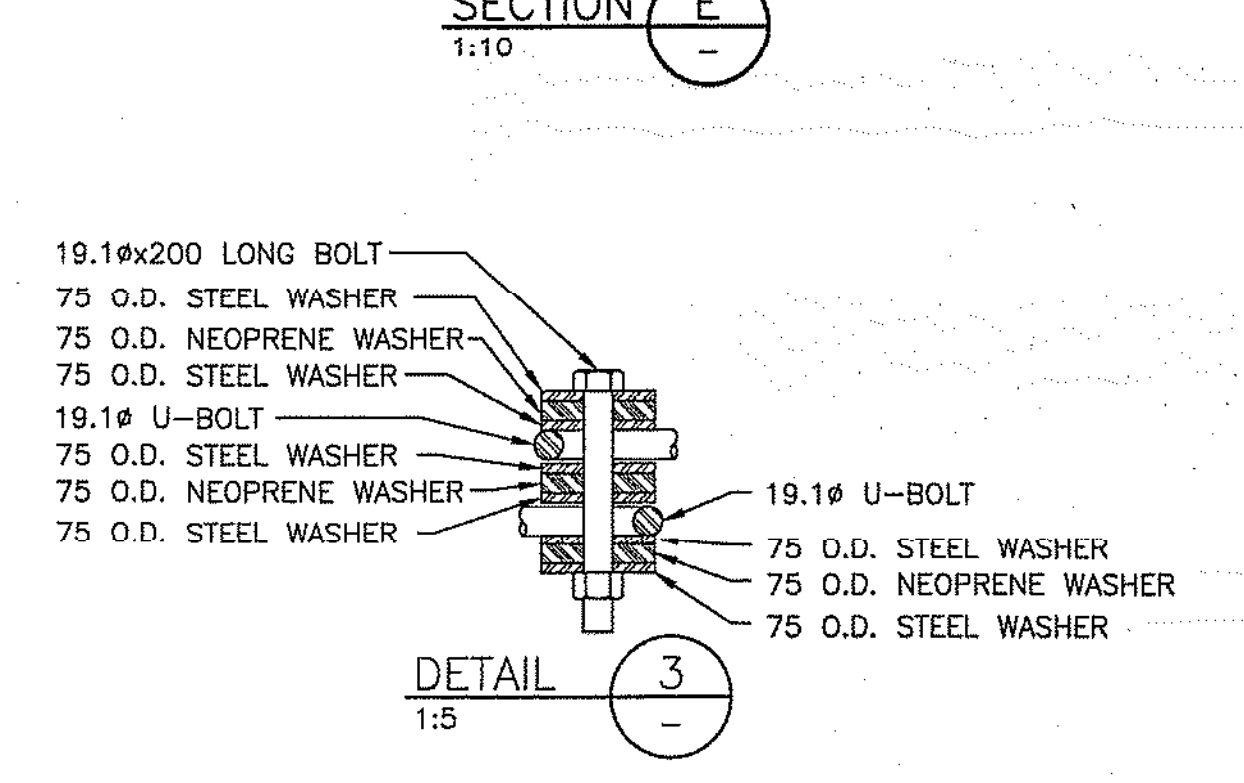
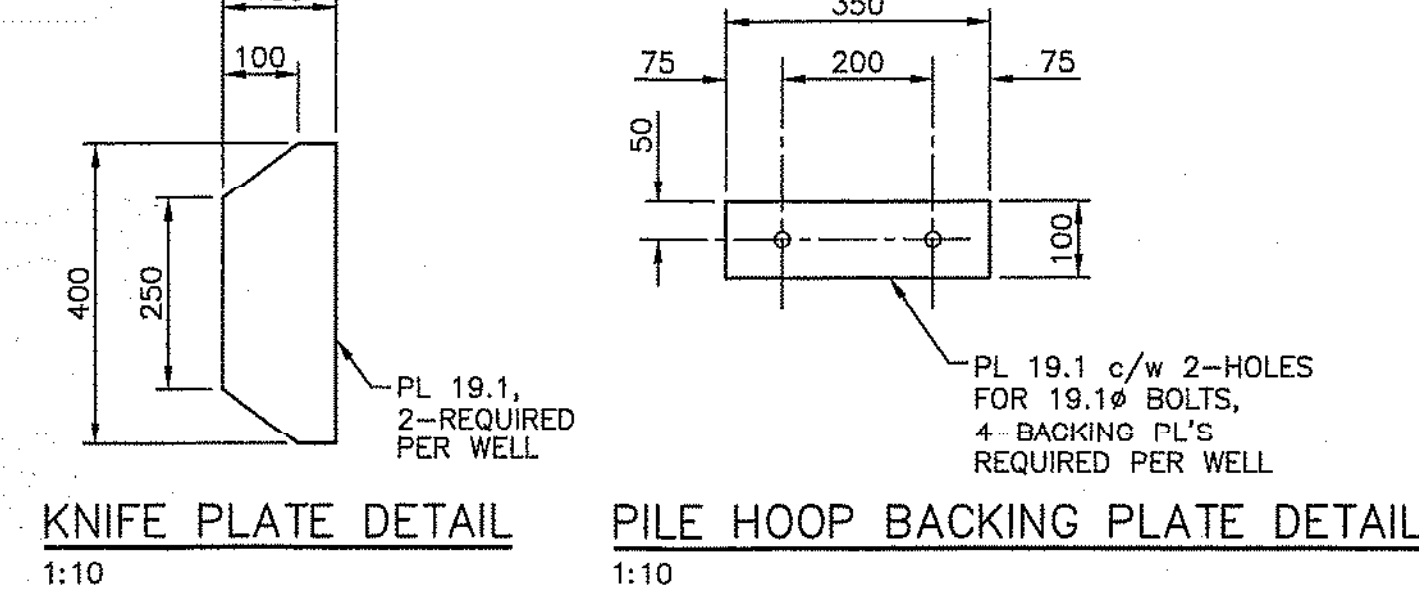
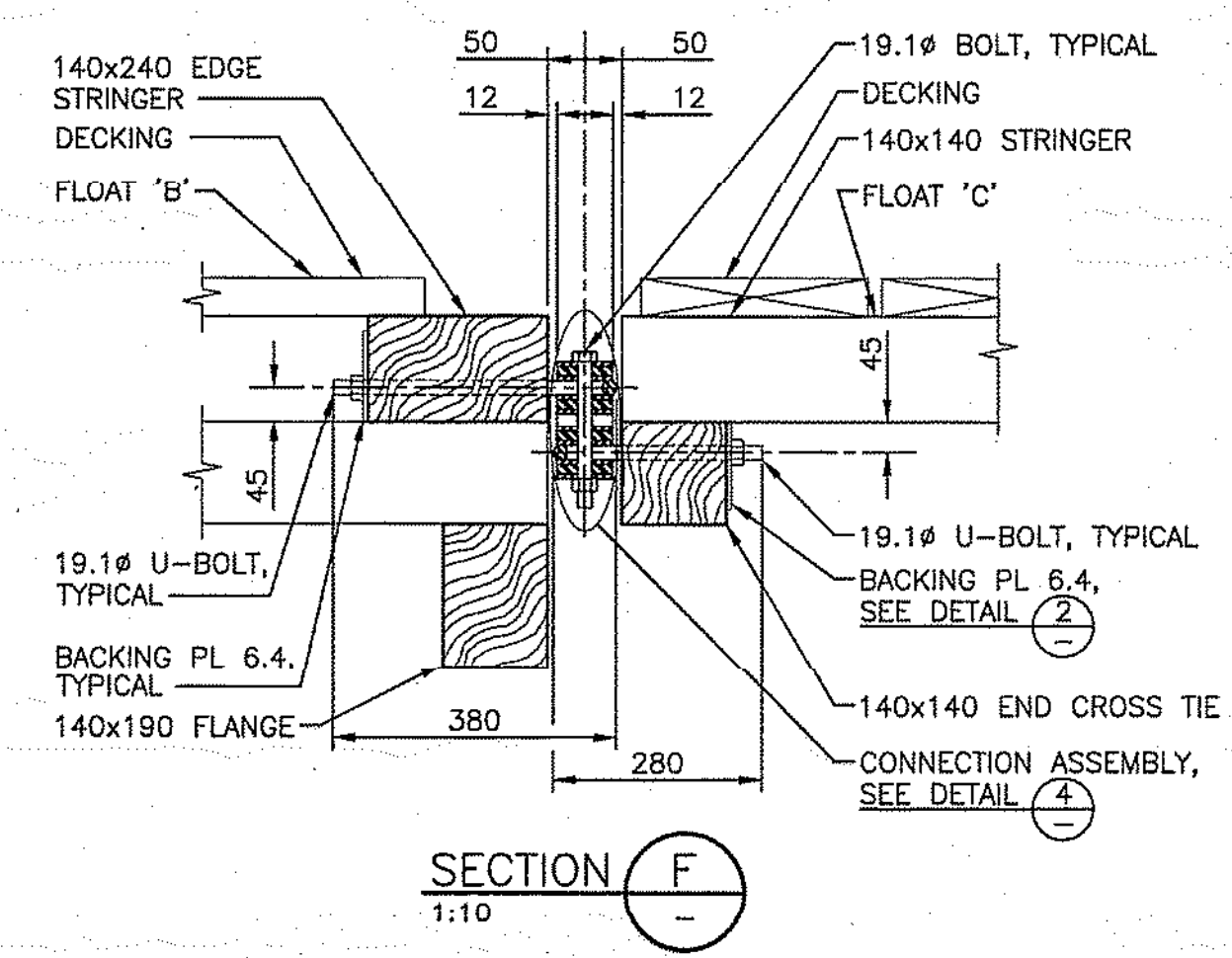
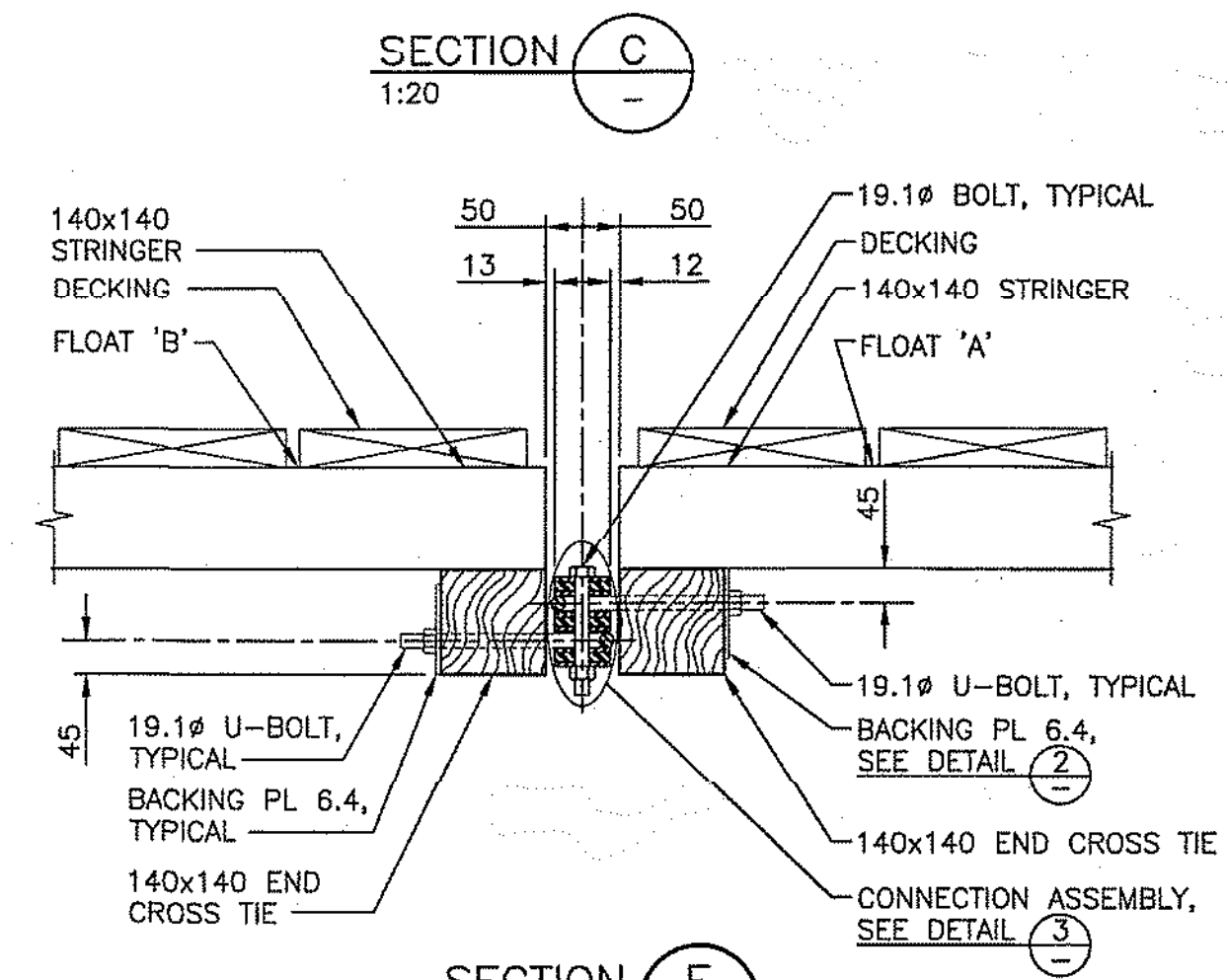
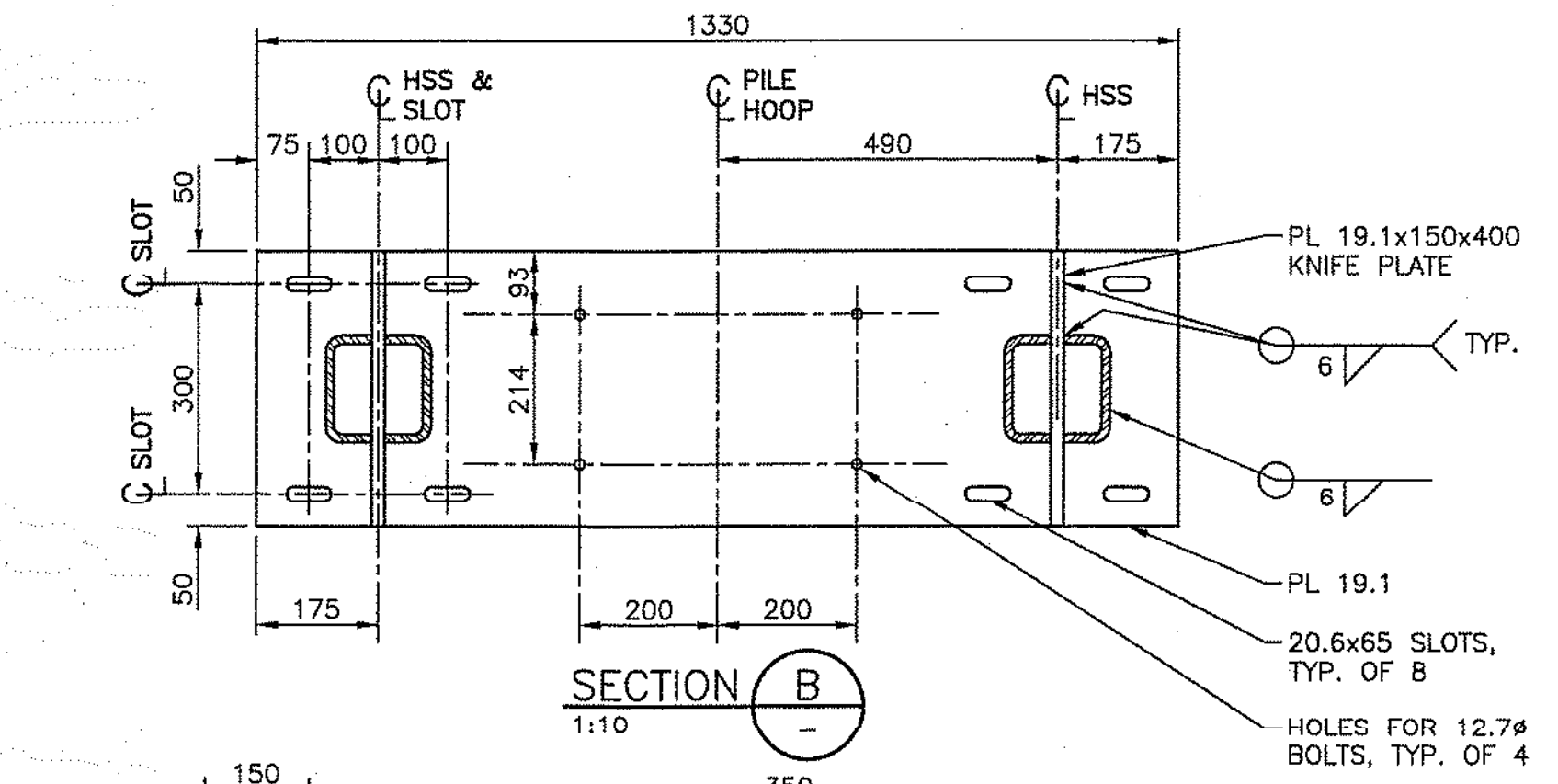
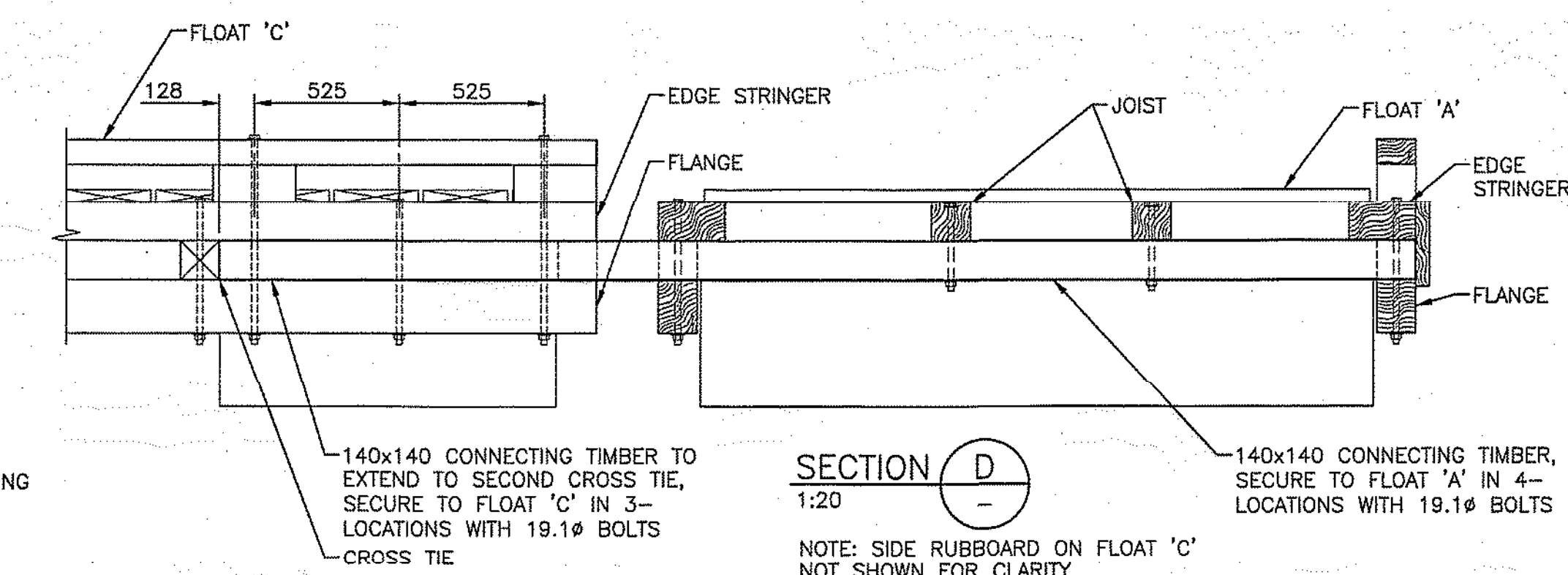
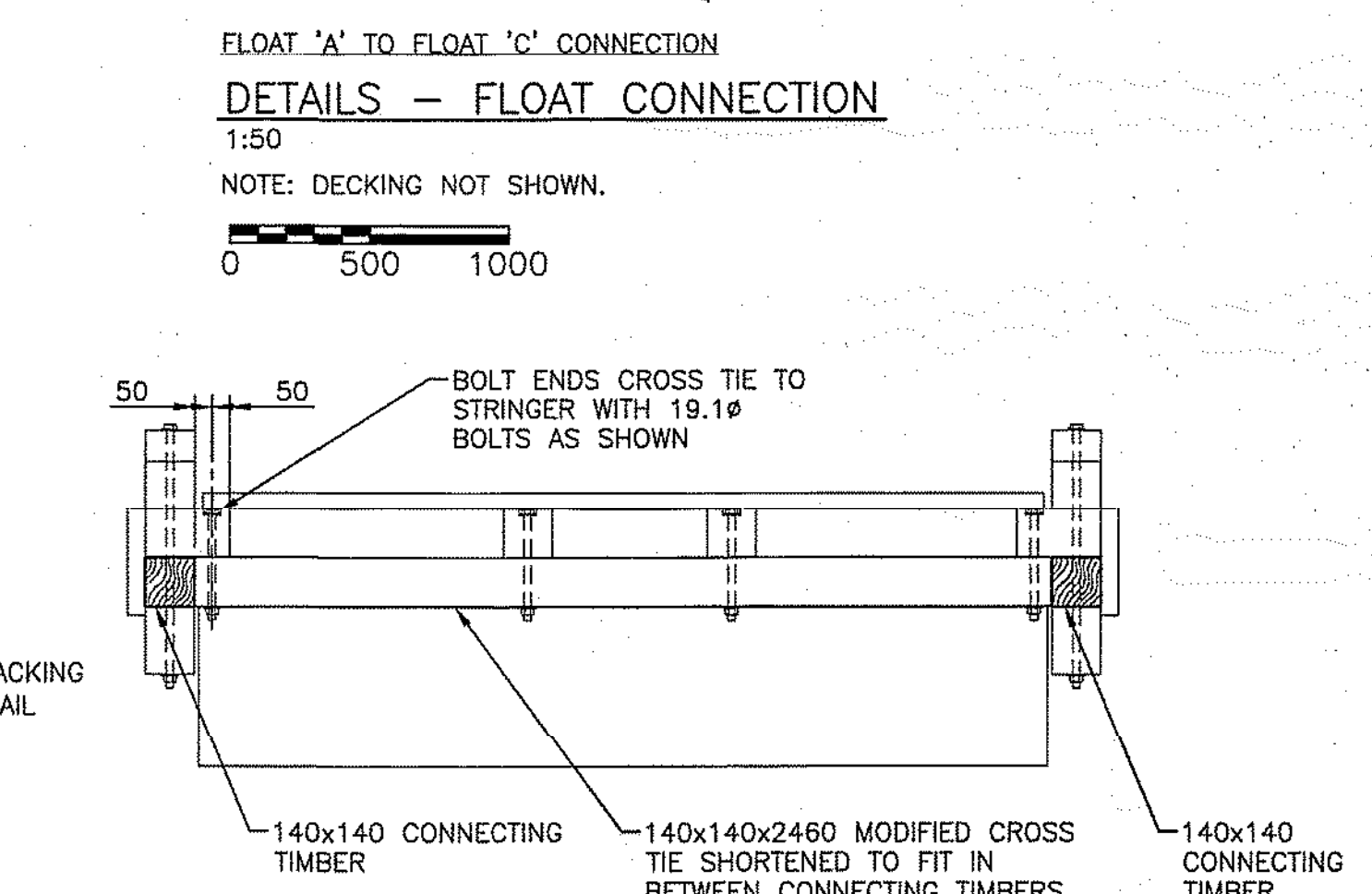
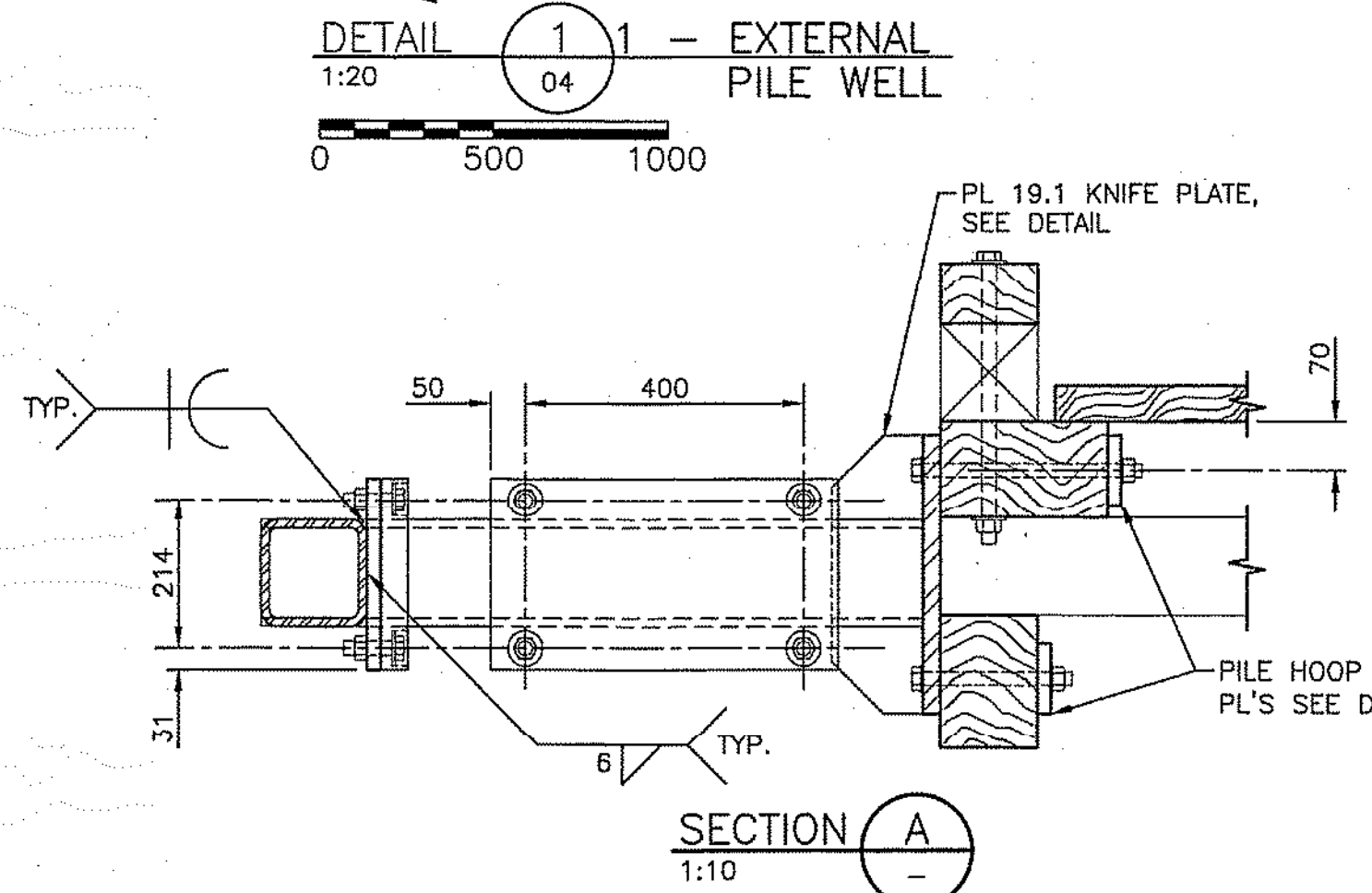
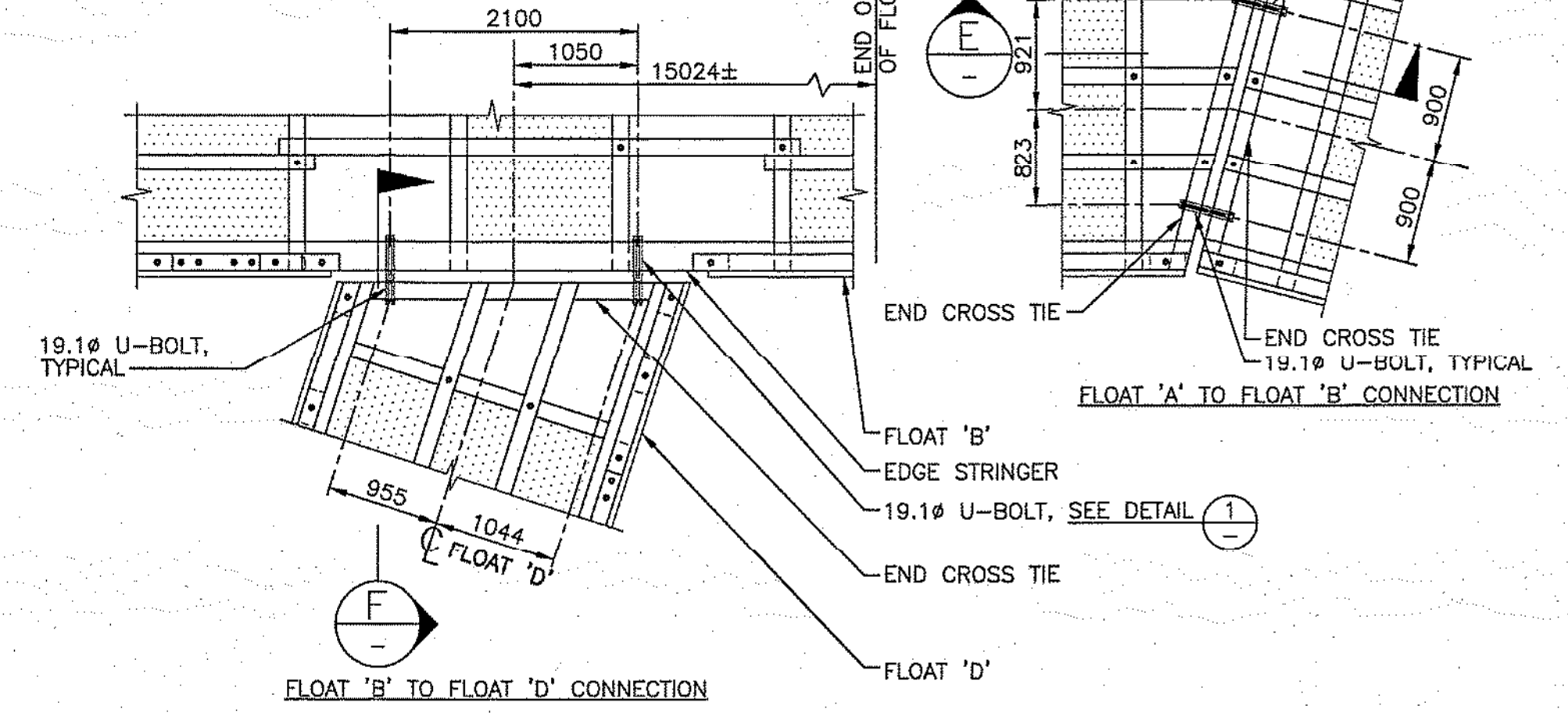
Drawing/Title du dessin
FLOAT DETAILS SHEET 1

Project No./No. du projet R.083172.001	Sheet/Feuille 09 OF 12	Revision no./La Révision no. 1
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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 90% REVIEW	16/11/04
Revision/Description	Description/Description	Date/Date

Client/Client: CANADA BORDER SERVICES AGENCY

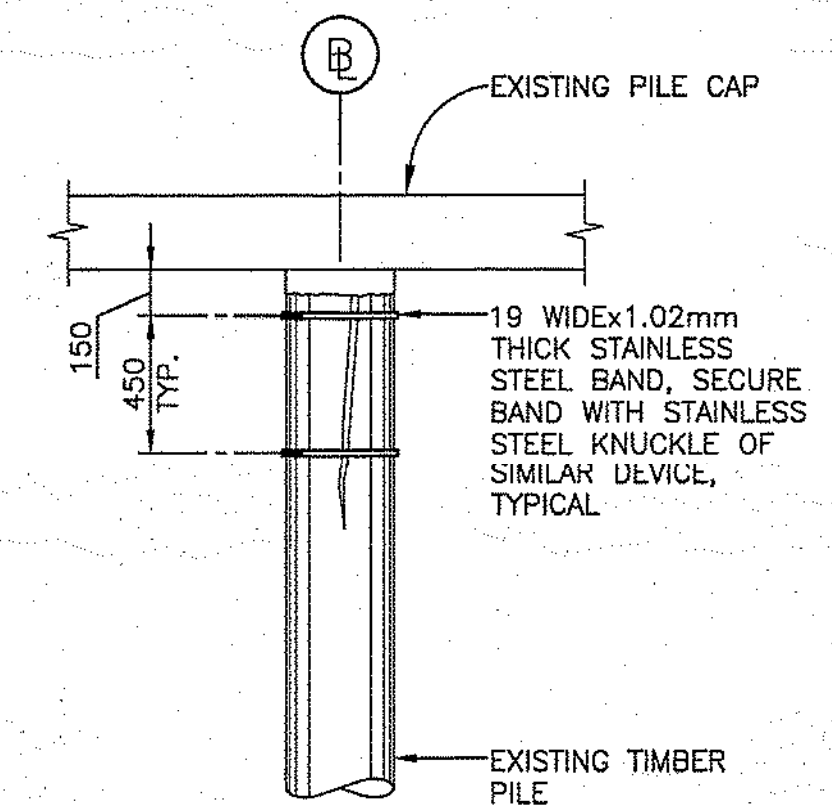
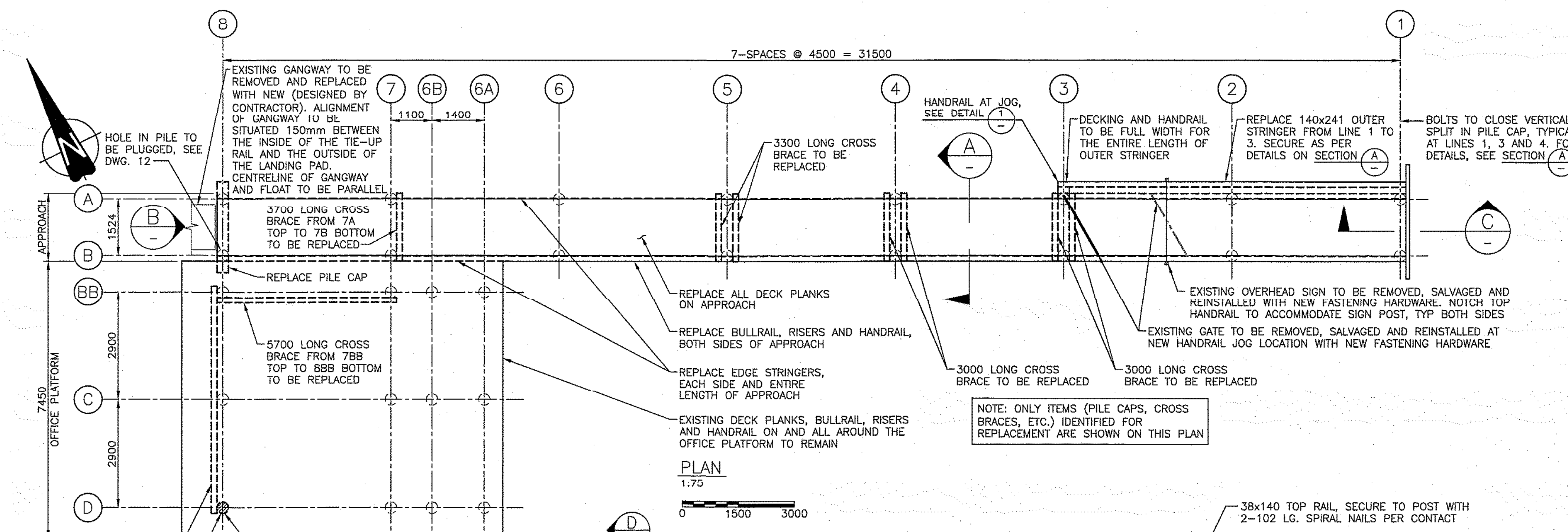
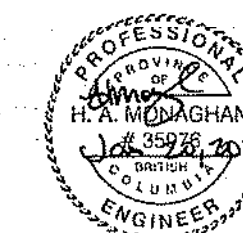
Project title/Titre du projet: SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR REDEVELOPMENT

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

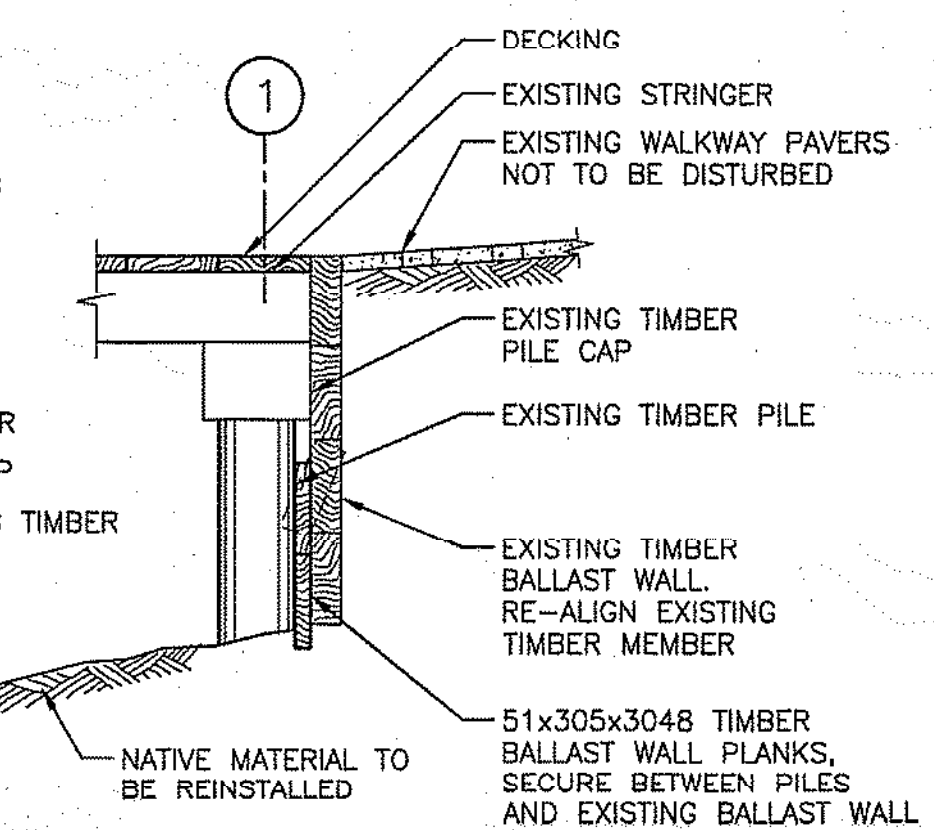
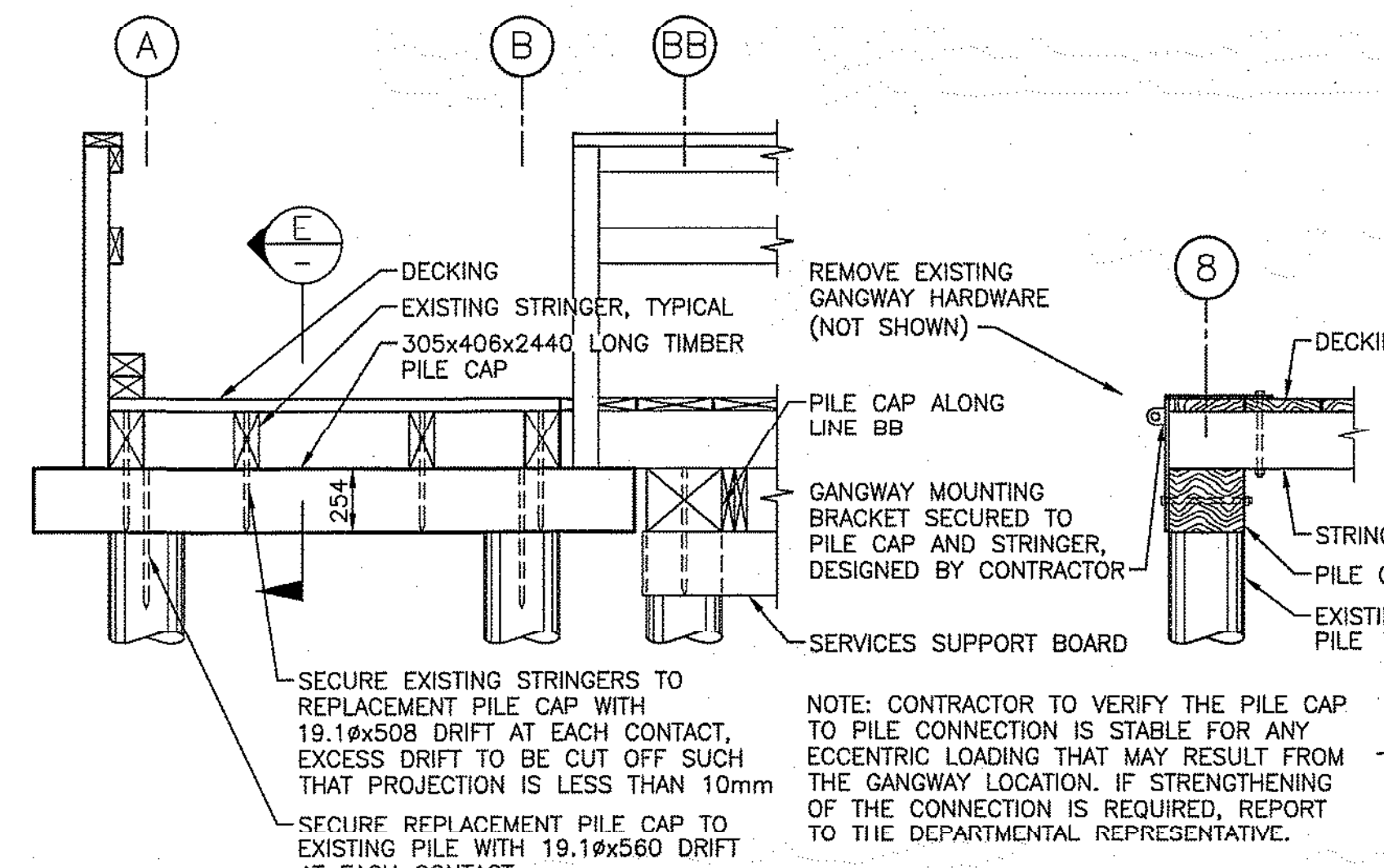
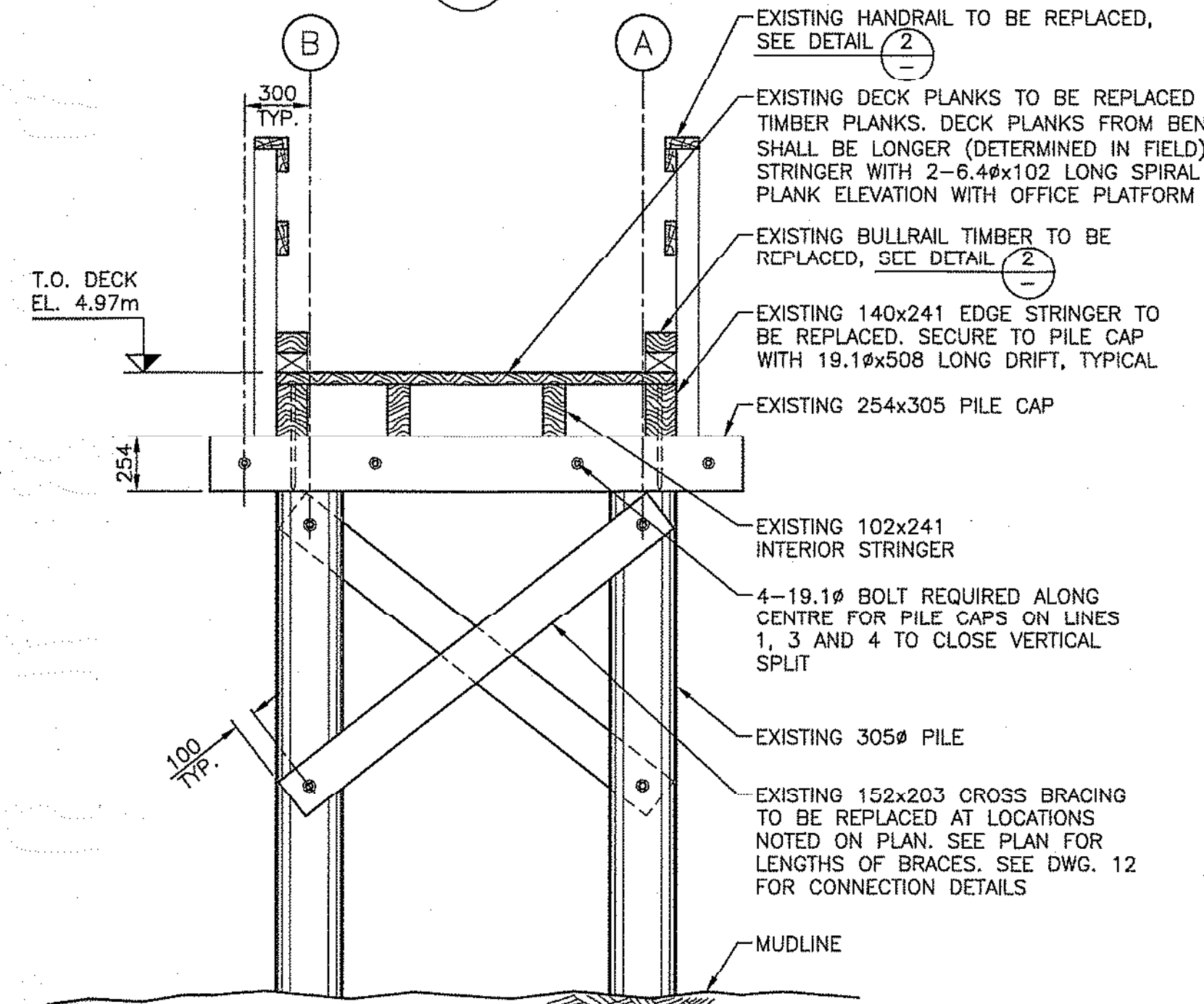
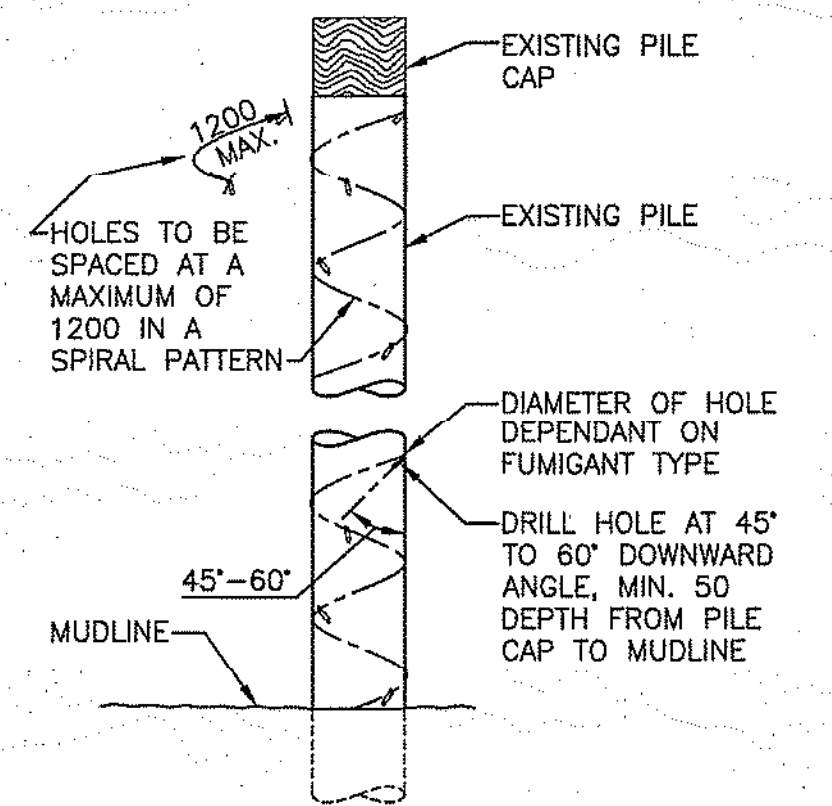
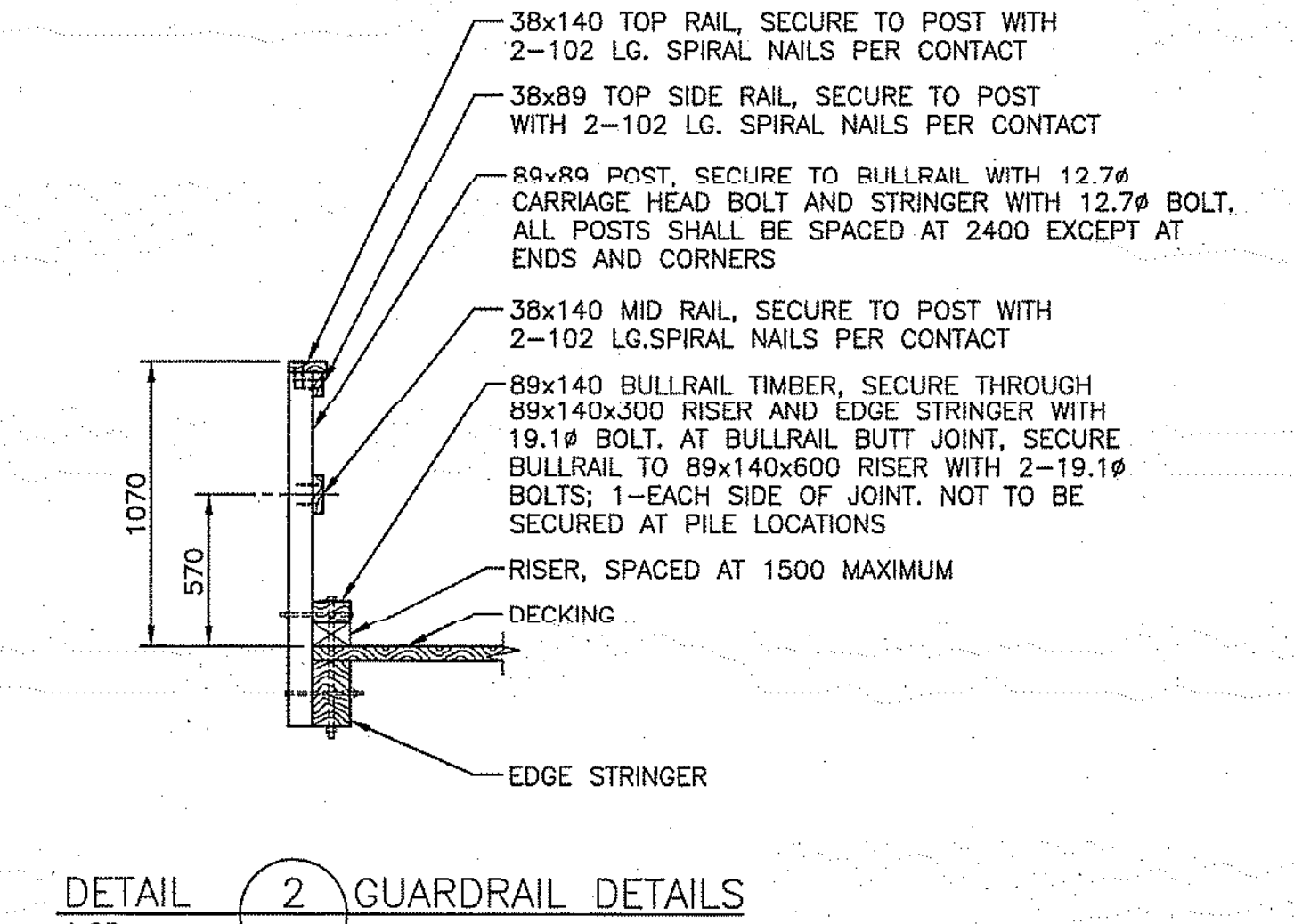
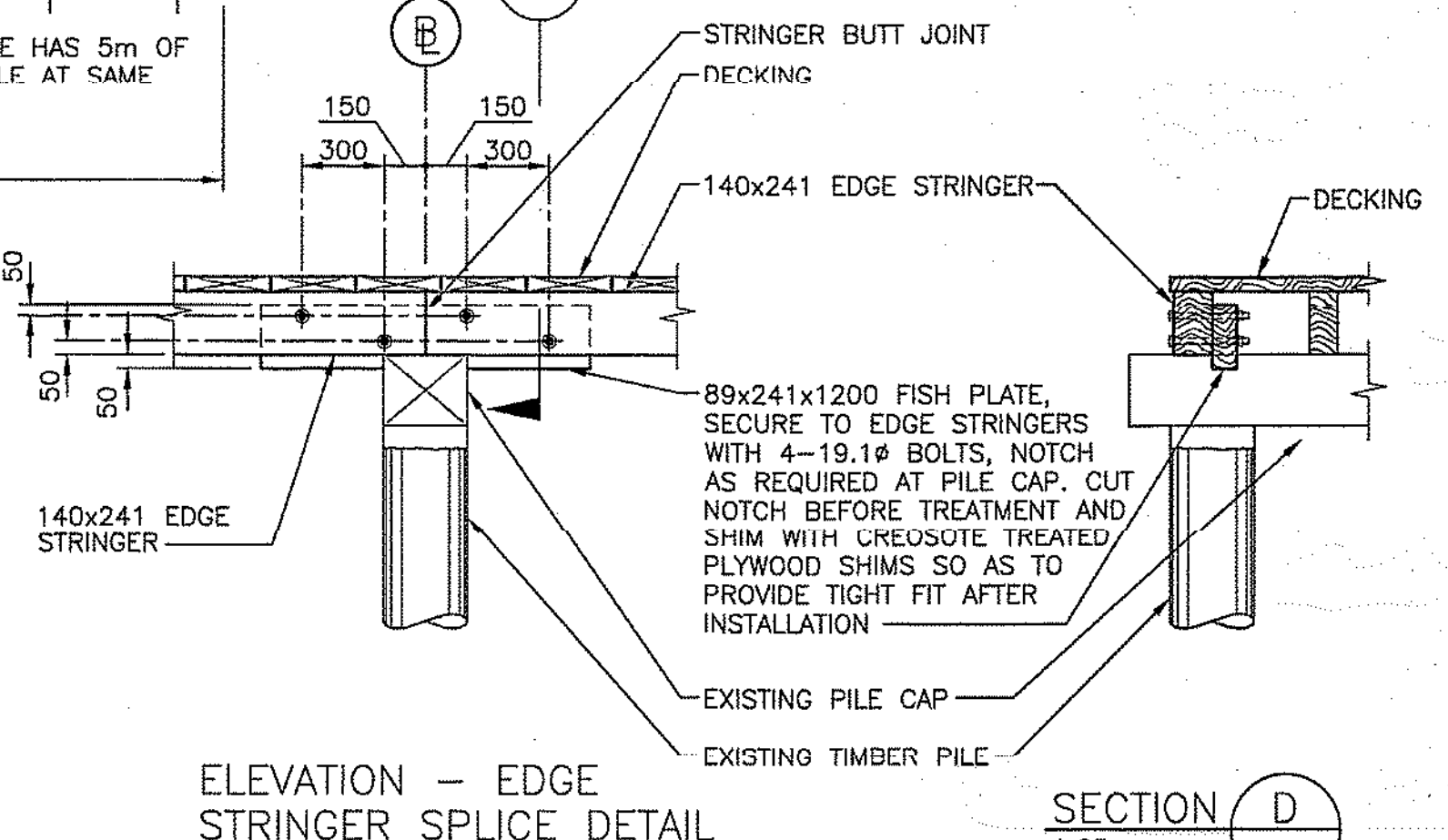
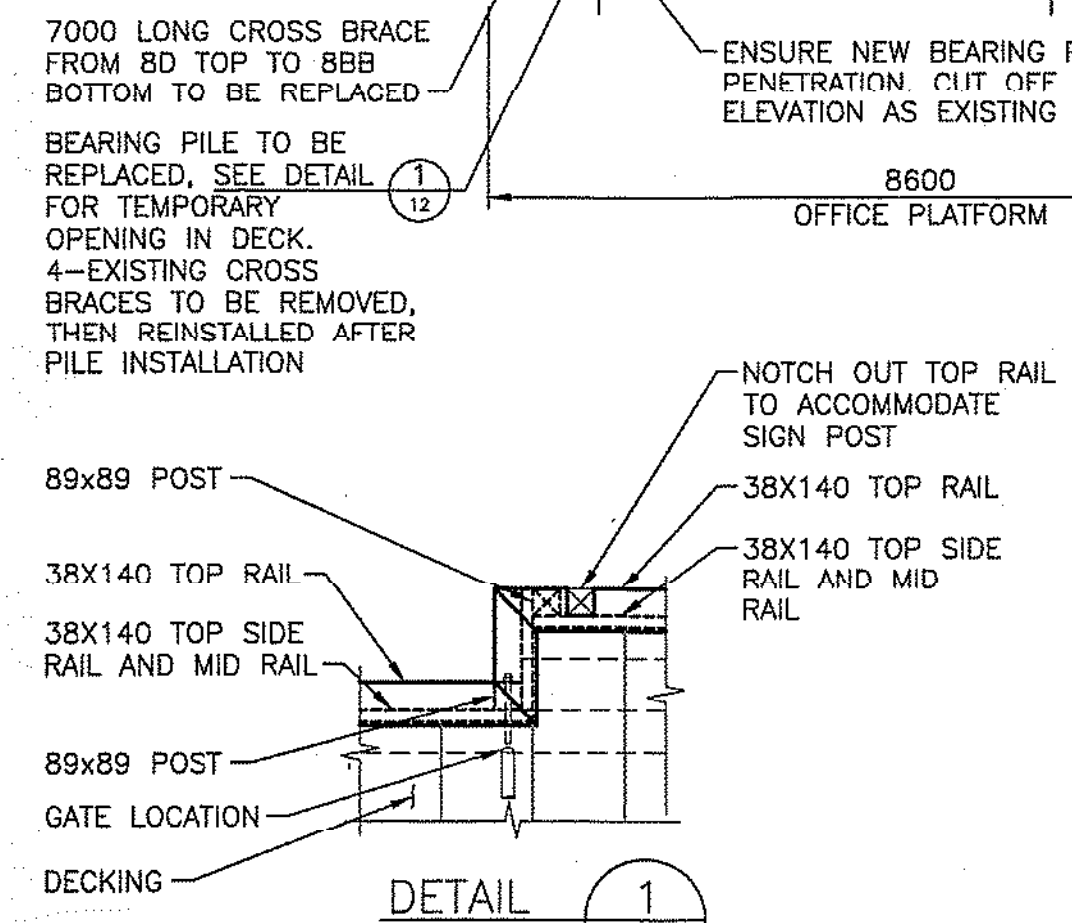
Drawing title/Titre du dessin: FLOAT DETAILS SHEET 2

Project No./No. du projet: R.083172.001	Sheet/Feuille: 10 OF 12	Revision no./La révision no.: 1
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PILE BANDING QUANTITIES

PILE LOCATION	TOTAL NUMBER OF BANDS
1 A	2
1 B	2
2 A	2
3 A	2
3 B	2
4 A	2
4 B	2
6 A	2



PILE FUMIGATION TABLE

2 A
3 A
3 B
4 A
4 B
5 B
6 A
6 A D
7 D

Revision/Description	Date/Date
3	
2	
1	ISSUED FOR TENDER 17/01/20
0	ISSUED FOR 95% REVIEW 16/11/04

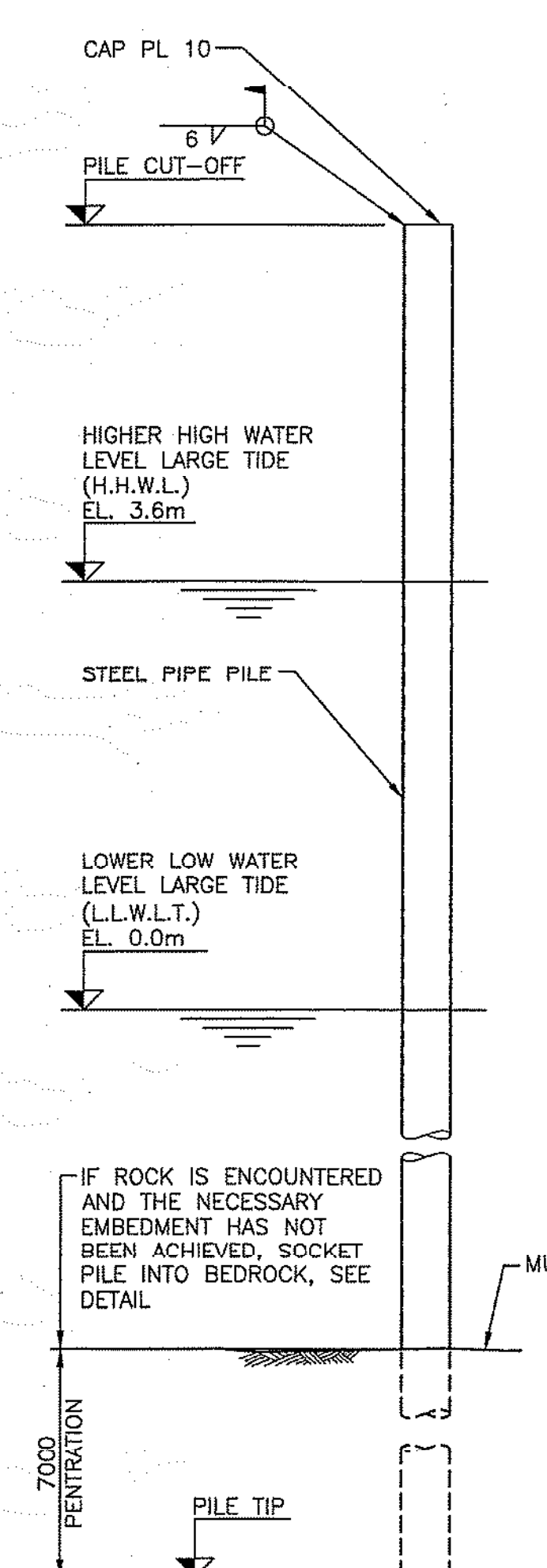
CANADA BORDER SERVICES AGENCY

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

Designed by/Concept par: HAN
 Drawn by/Dessiné par: JJMC
 PWGSC Project Manager/Administrateur de Projets TPSGC: JULIAN HO
 Regional Manager, Architectural and Engineering Services, Gestionnaire régionale, Services d'architectural et de génie, TPSGC

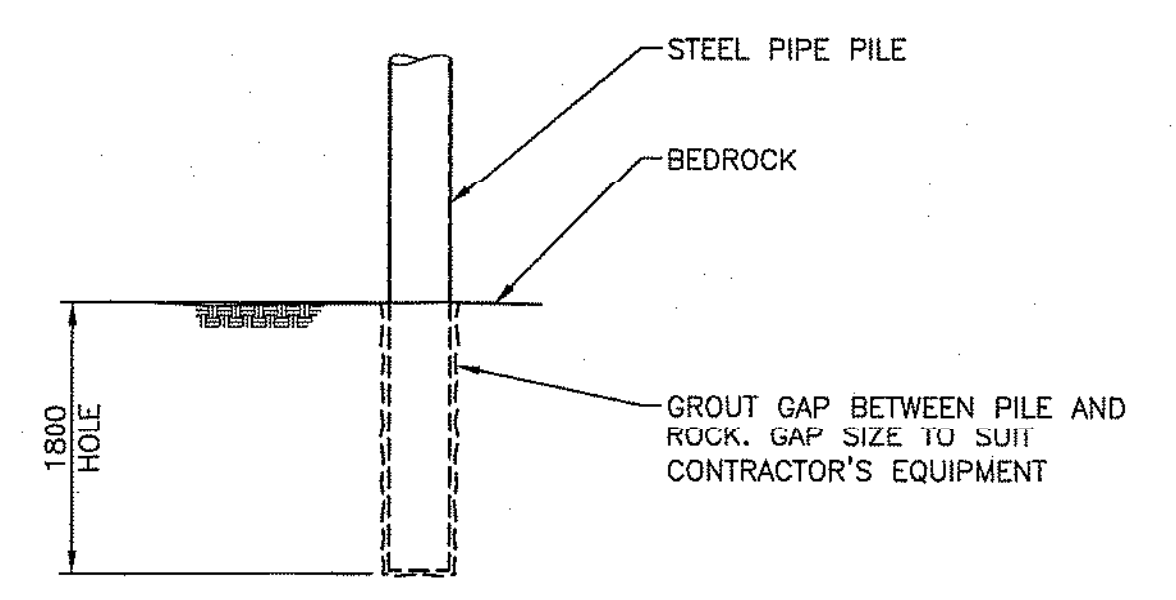
APPROACH REPAIRS

Project no./no. du projet	Sheet/feuille	Revision no./La Révision no.
R.083172.001	11 OF 12	1



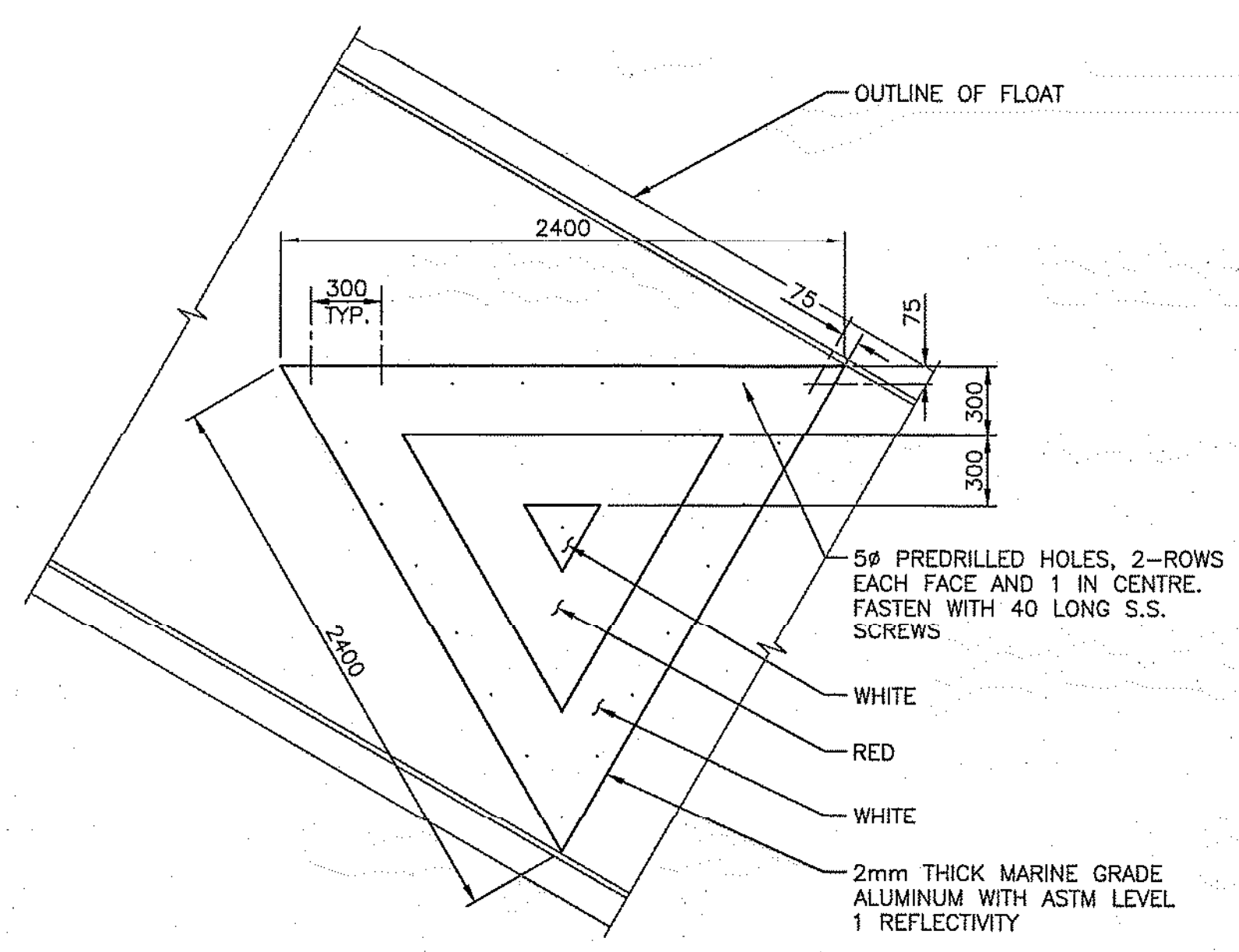
FLOAT	PILE #	SIZE: OUTSIDE DIAMETER AND WALL THICKNESS (mm)	CUT-OFF EL. (METRES)	ACTUAL TIP EL. (METRES)
FLOAT 'A'	A1	610 x 12.7	7.0	
	A2	610 x 12.7	7.0	
	A3	610 x 12.7	7.0	
FLOAT 'B'	B1	610 x 12.7	7.0	
	B2	610 x 12.7	7.0	
	B3	610 x 12.7	7.0	
	B4	610 x 12.7	7.0	
FLOAT 'C'	C1	610 x 12.7	7.0	
	C2	610 x 12.7	7.0	
FLOAT 'D'	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	
	D6	406 x 9.53	7.0	

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



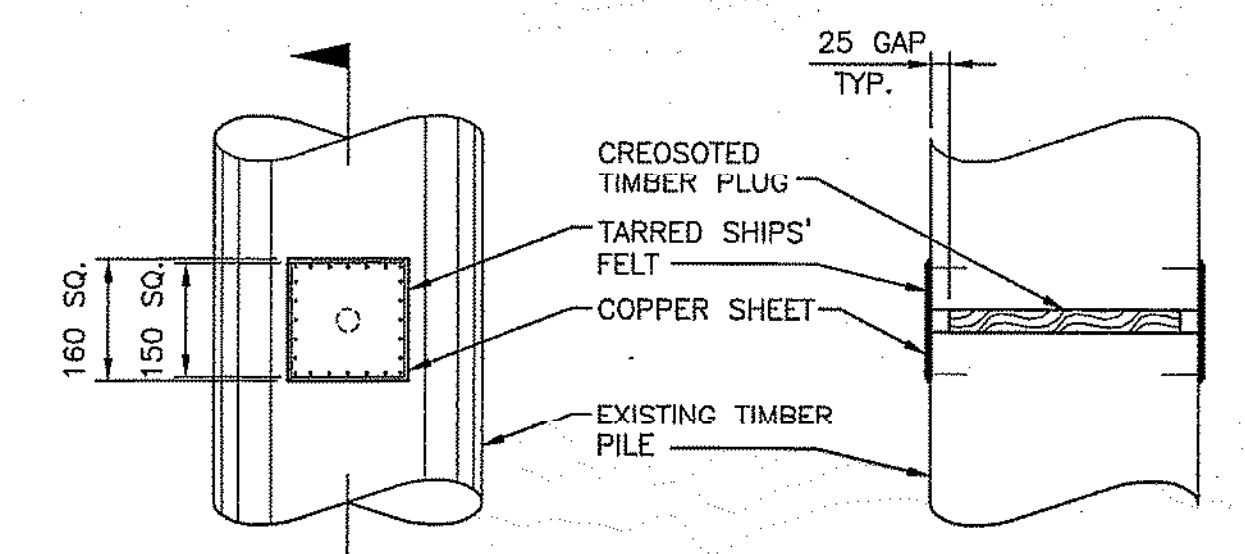
ELEVATION - MOORING PILE
1:25

DETAIL - MOORING PILE ALTERNATE SOCKET INTO ROCK
1:25



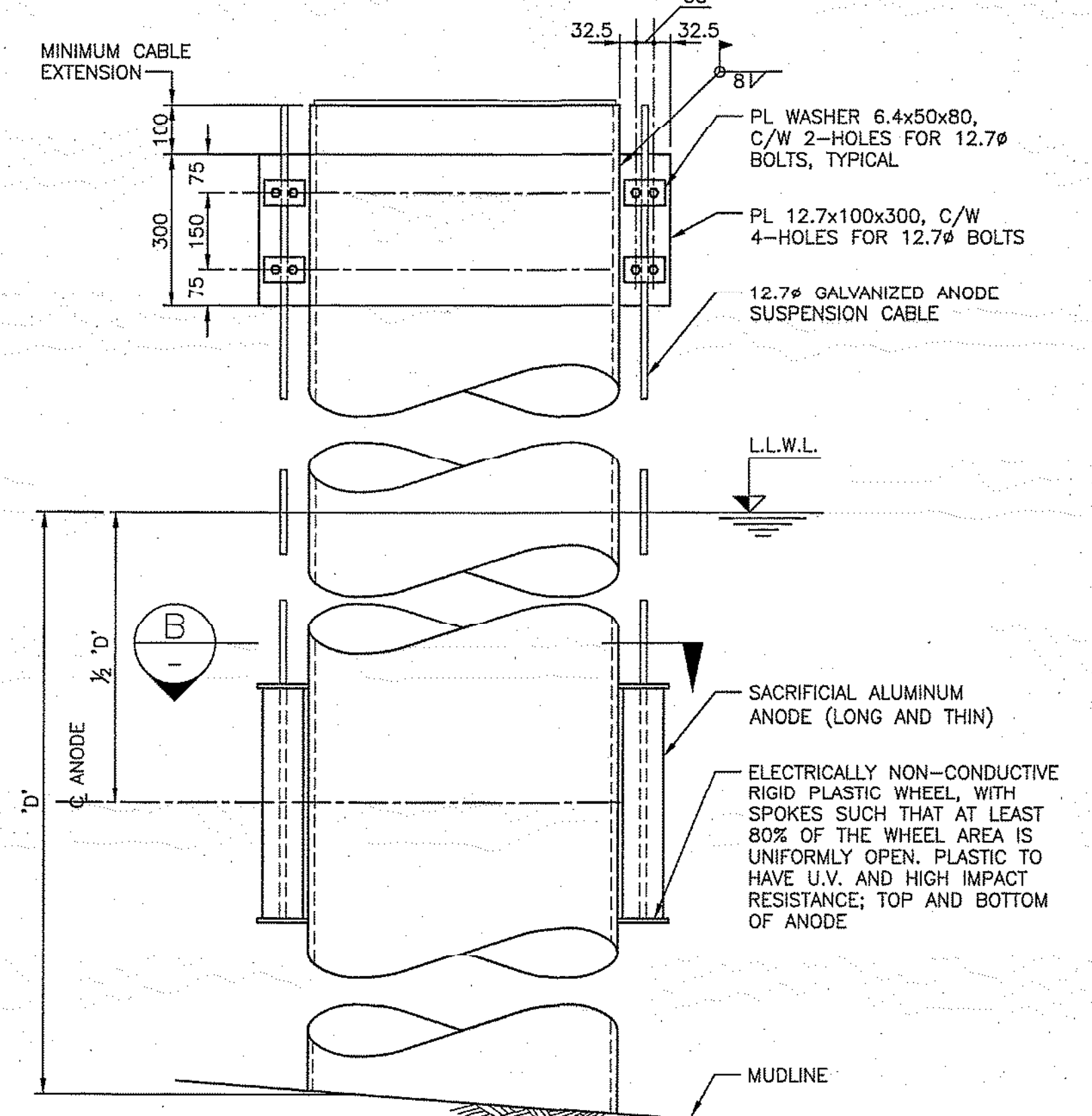
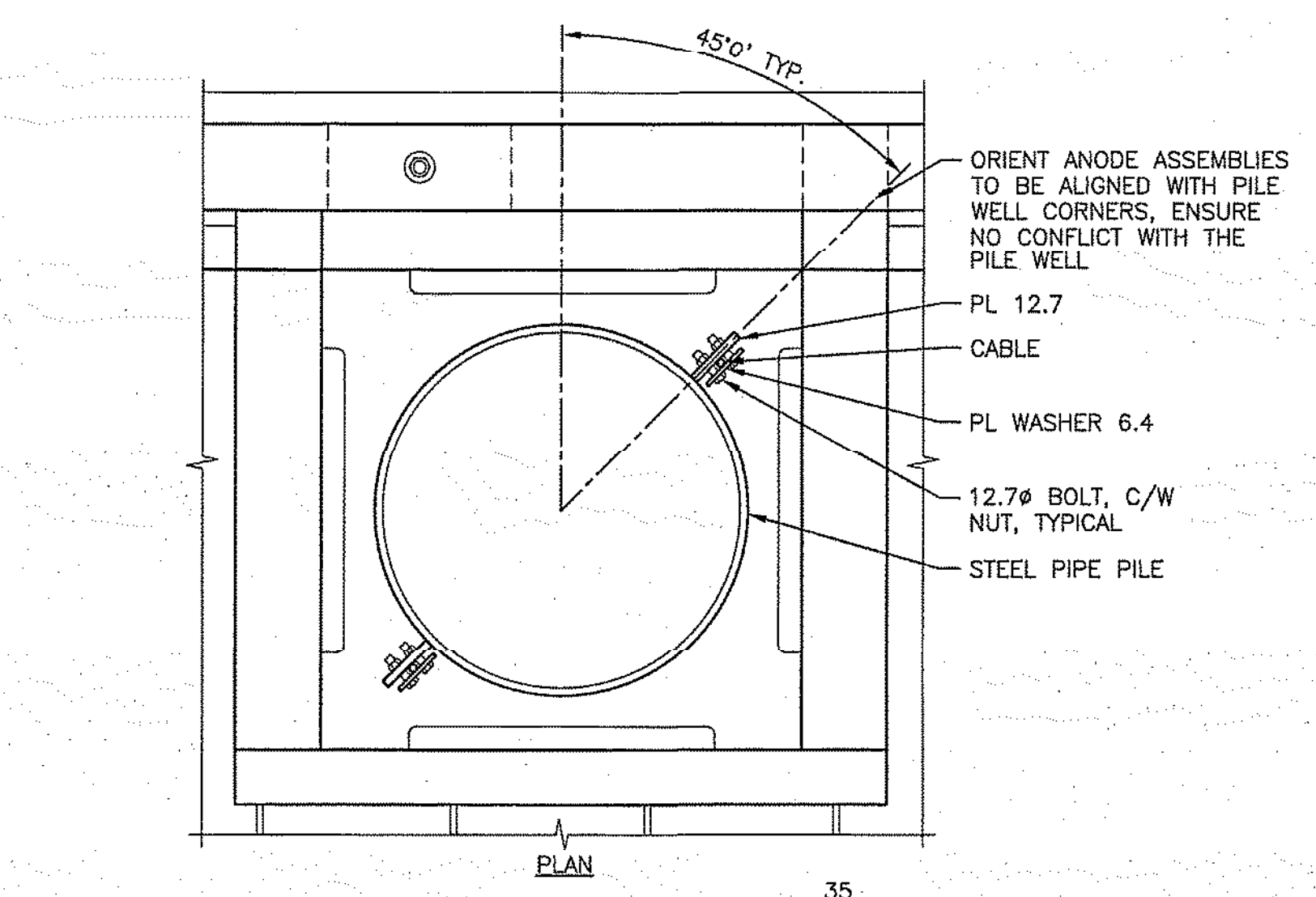
TYPICAL DETAIL - SEAPLANE FLOAT SIGN
1:25

- 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.



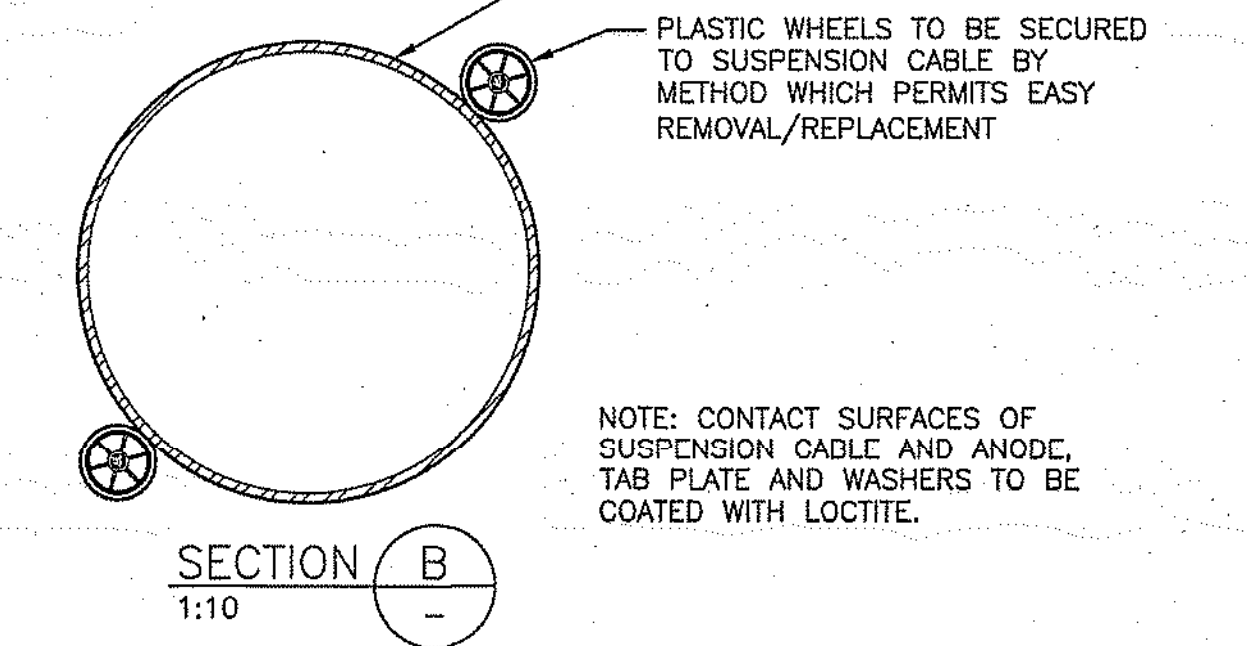
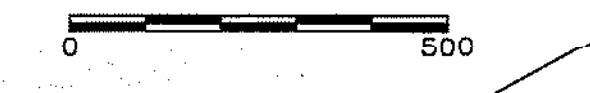
HOLE PATCHING DETAIL
1:10

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

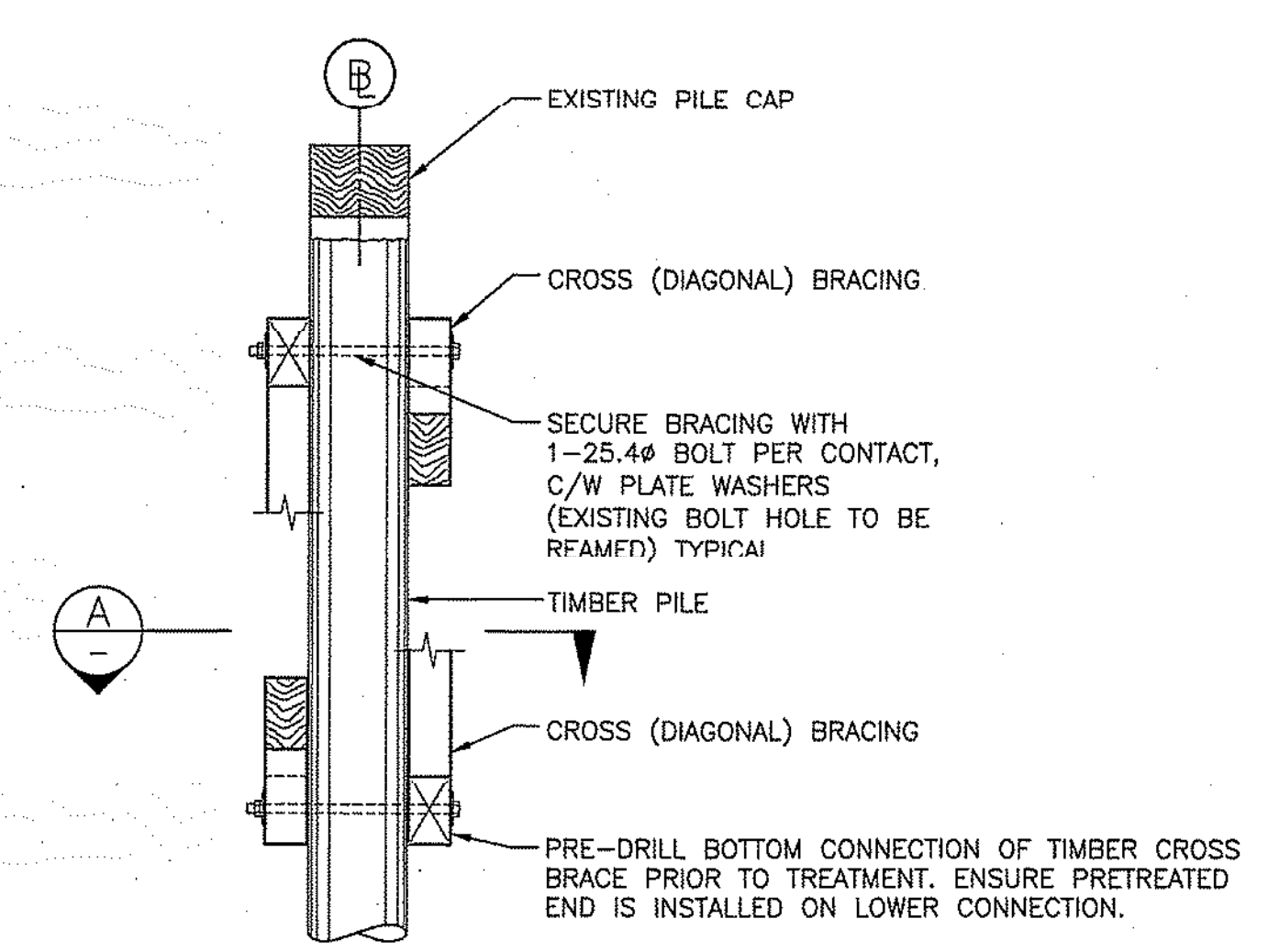


ELEVATION - PILE ANODE
1:10

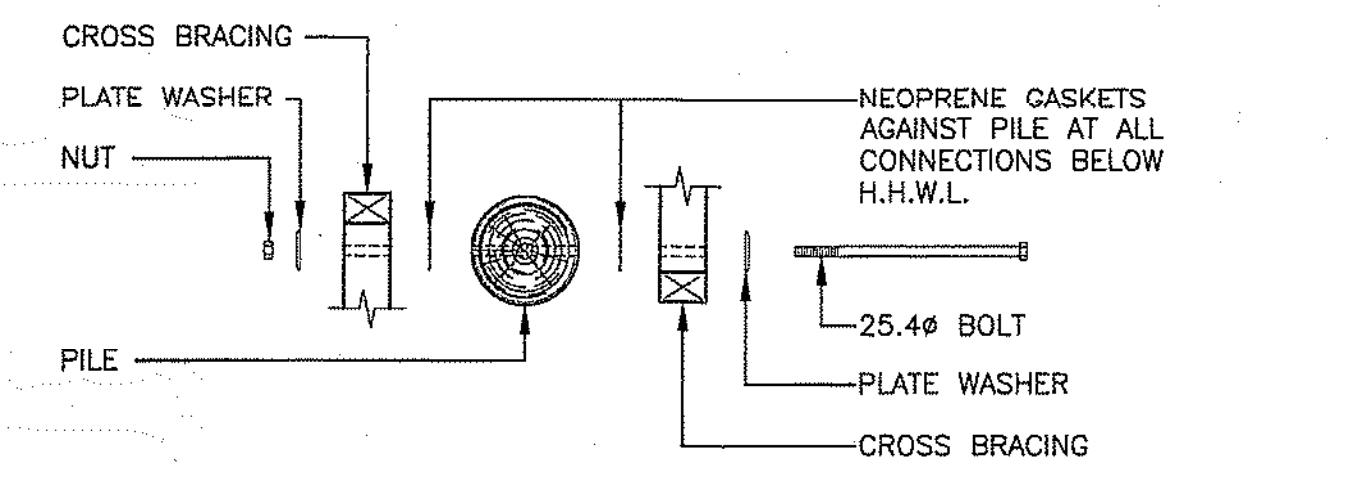
NOTE: DETAIL IS TYPICAL FOR ALL STEEL PIPE PILES.



SECTION B
1:10

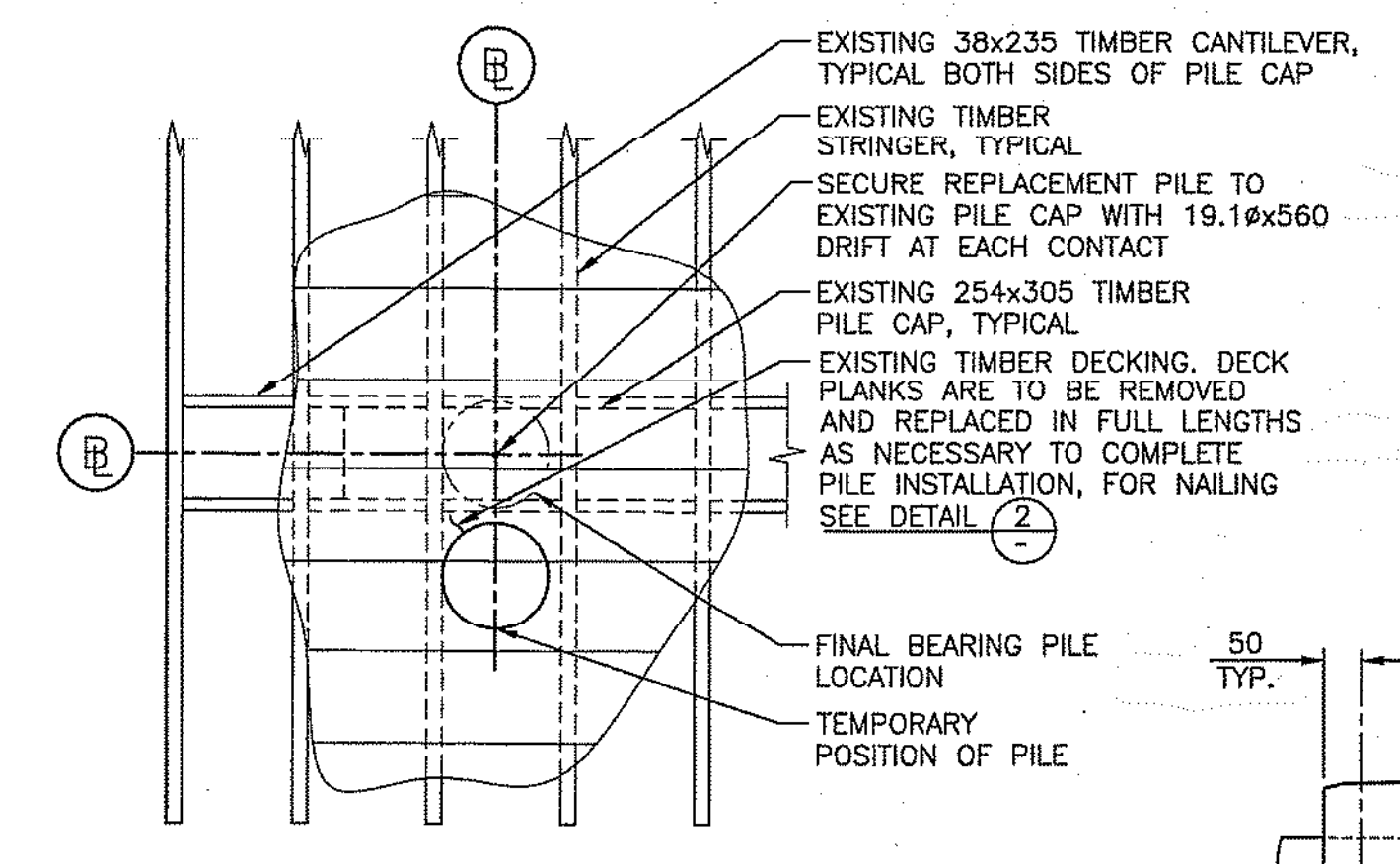


CROSS BRACE CONNECTION
1:25



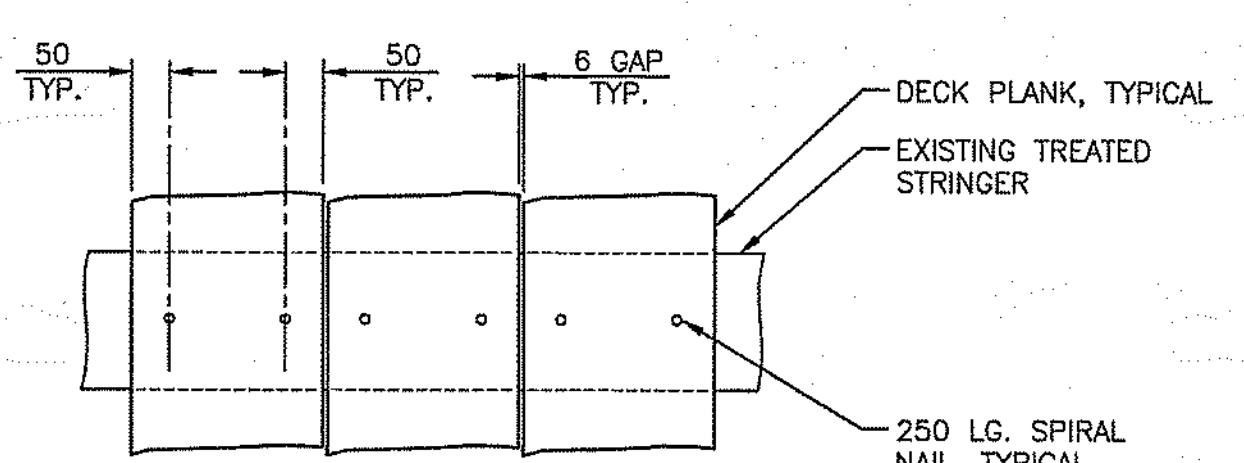
SECTION A - EXPLODED VIEW
1:25

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	Date/Date
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2		
1	ISSUED FOR TENDER	17/01/20
0	ISSUED FOR 80% REVIEW	18/11/04

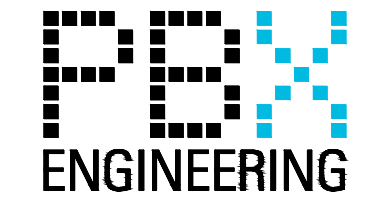
Client/client: **CANADA BORDER SERVICES AGENCY**

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

Designed by/Concept par: HAM
 Drawn by/Dessiné par: JJMC
 PWSC 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: **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. CSERCSCICS

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

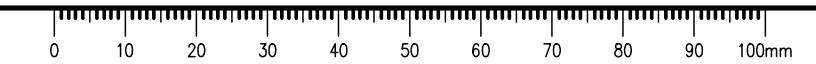
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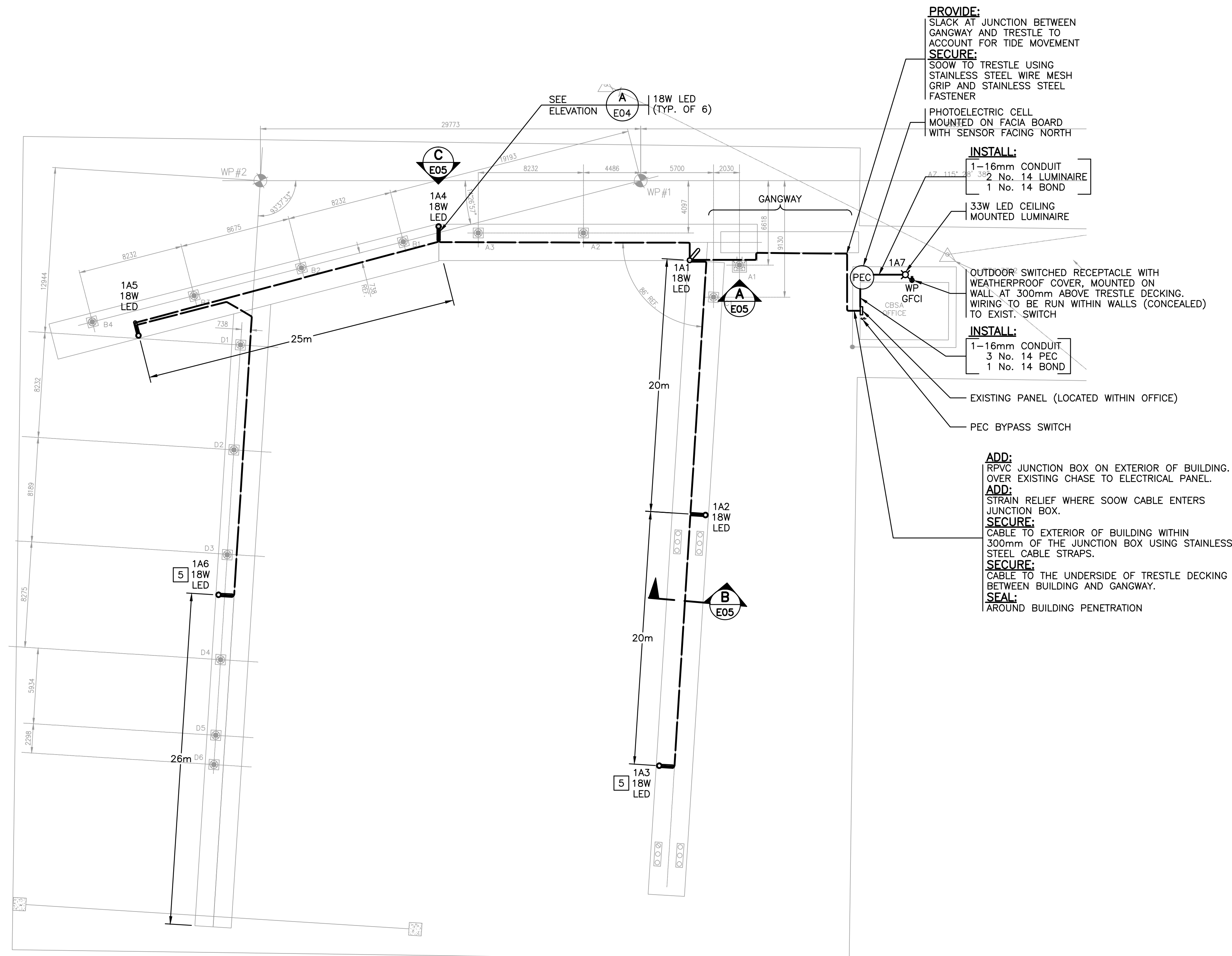
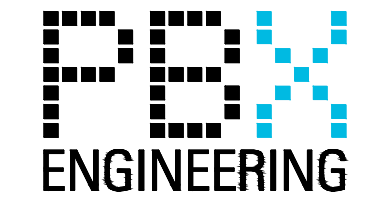
LEGEND & GENERAL NOTES

Project No./No. du projet R.063172.001	Sheet/Fauille E01 1 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
-	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

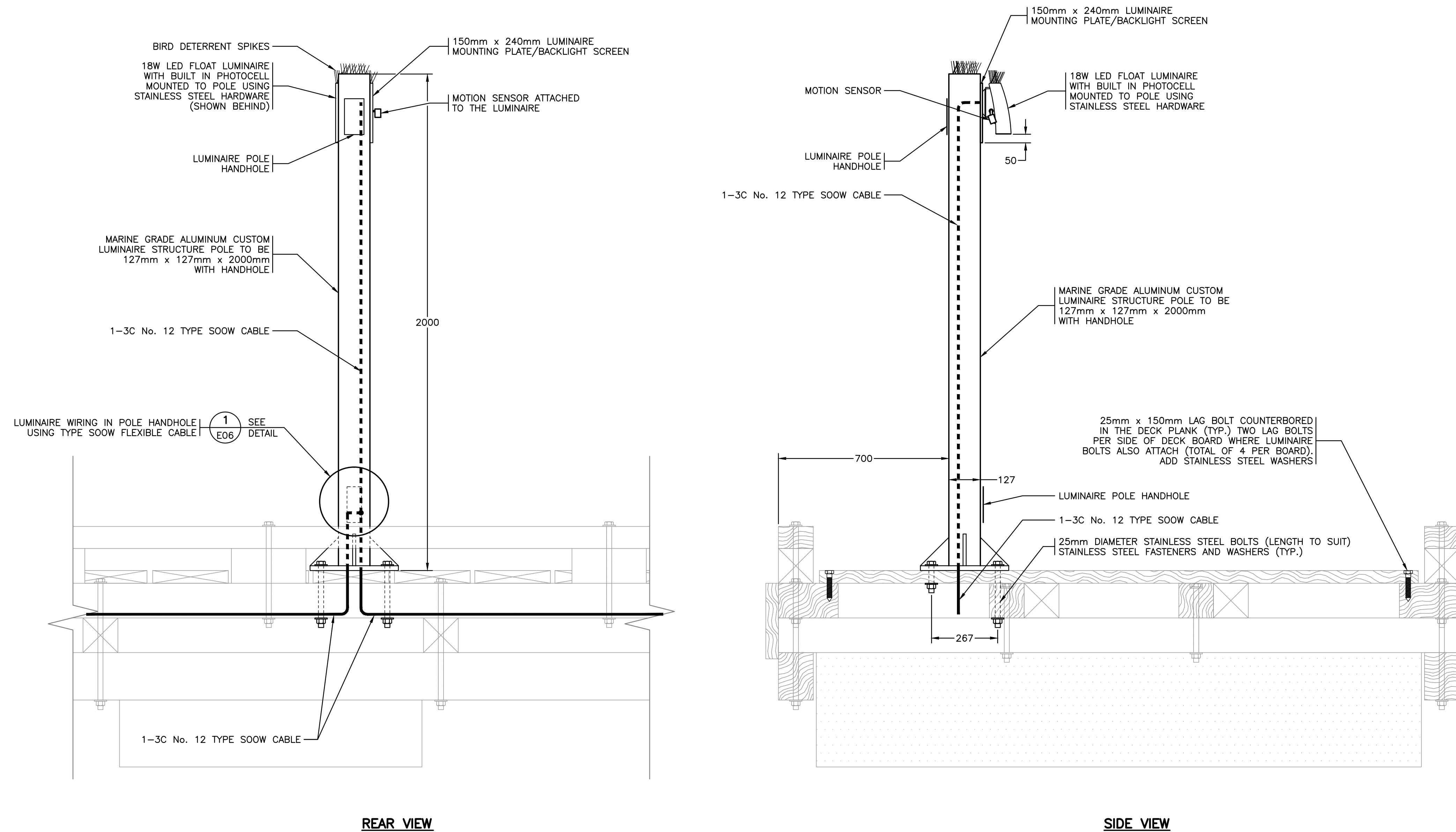
Drawn by/Dessiné par
PBX
PWGSC Project Manager/Administrateur de Projets TPSGC
JULIAN HO

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

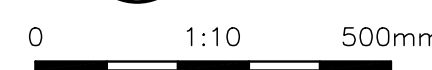
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SITE PLAN - ELECTRICAL SYSTEMS INSTALLATION

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

P:\16185_CBSA_Bedwell_Harbour_Mirina_Updated.01 - Detailed Design\Drawings\ACAD\E03 - 23/01/2017 12:47 PM - JESSE.GIBSON



ELEVATION (A) FLOAT LUMINAIRE
1:10
E03



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

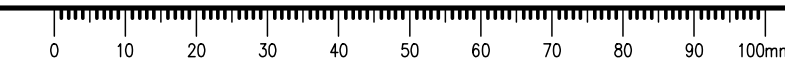
Client/client: **CANADA BORDER SERVICES AGENCY**

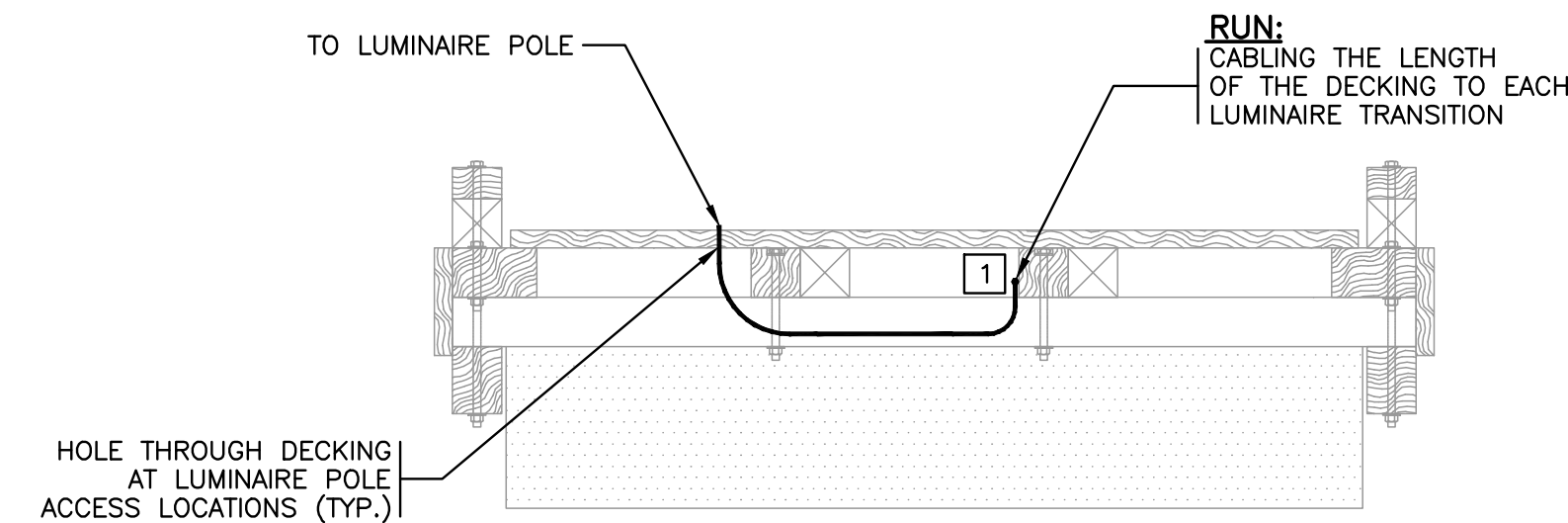
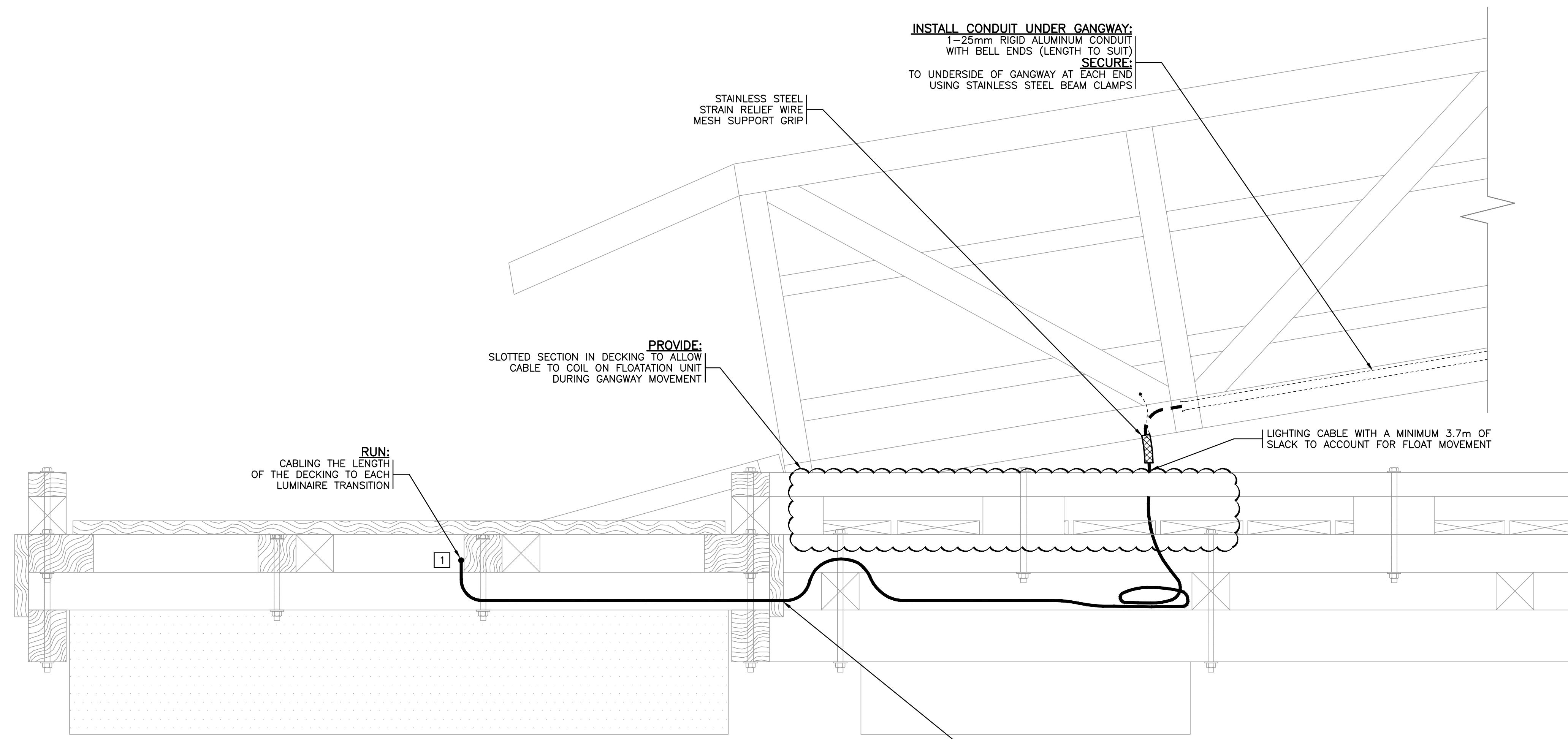
Project title/Titre du projet: **SOUTH PENDER ISLAND, B.C. BEDWELL HARBOUR REDEVELOPMENT**

Consultant Signature Only
Designed by/Concept par: T. CSERCISICS
Drawn by/Dessiné par: PBX
PWSC 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: ELEVATIONS (1 OF 2)

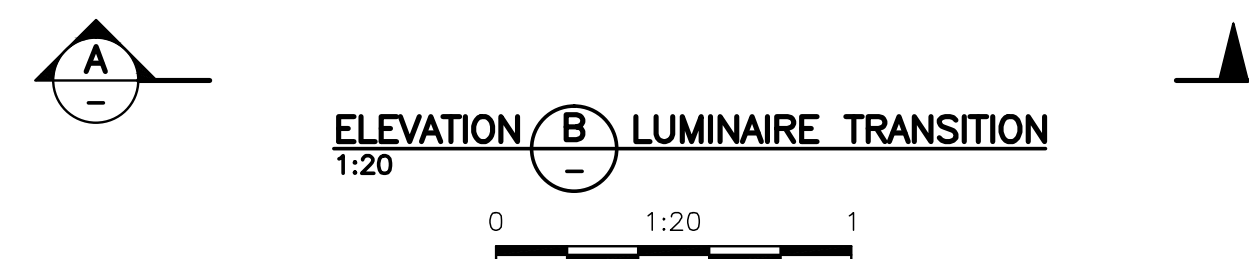
Project No./No. du projet: R.083172.001	Sheet/Fauille: E04 4 OF 6	Revision no./La Révision no.: -
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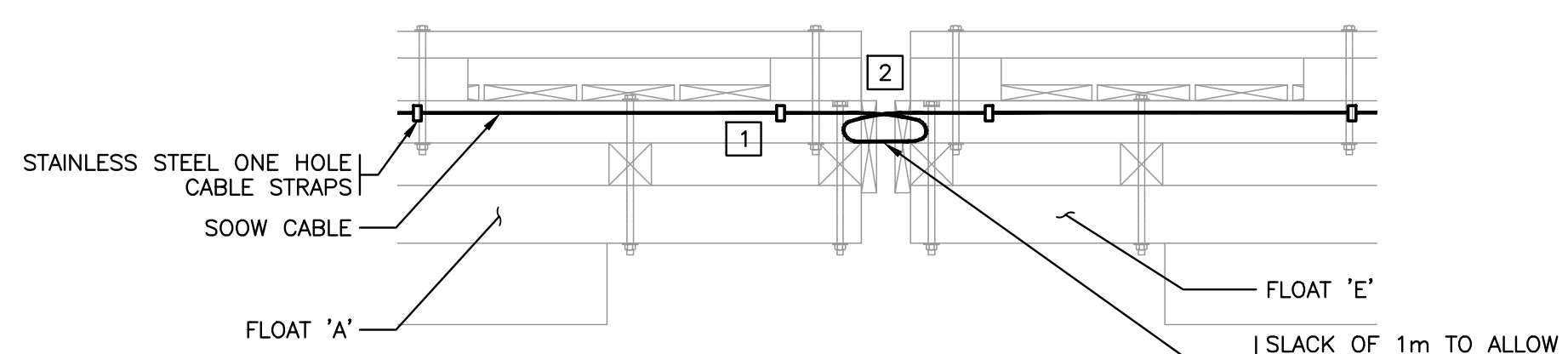




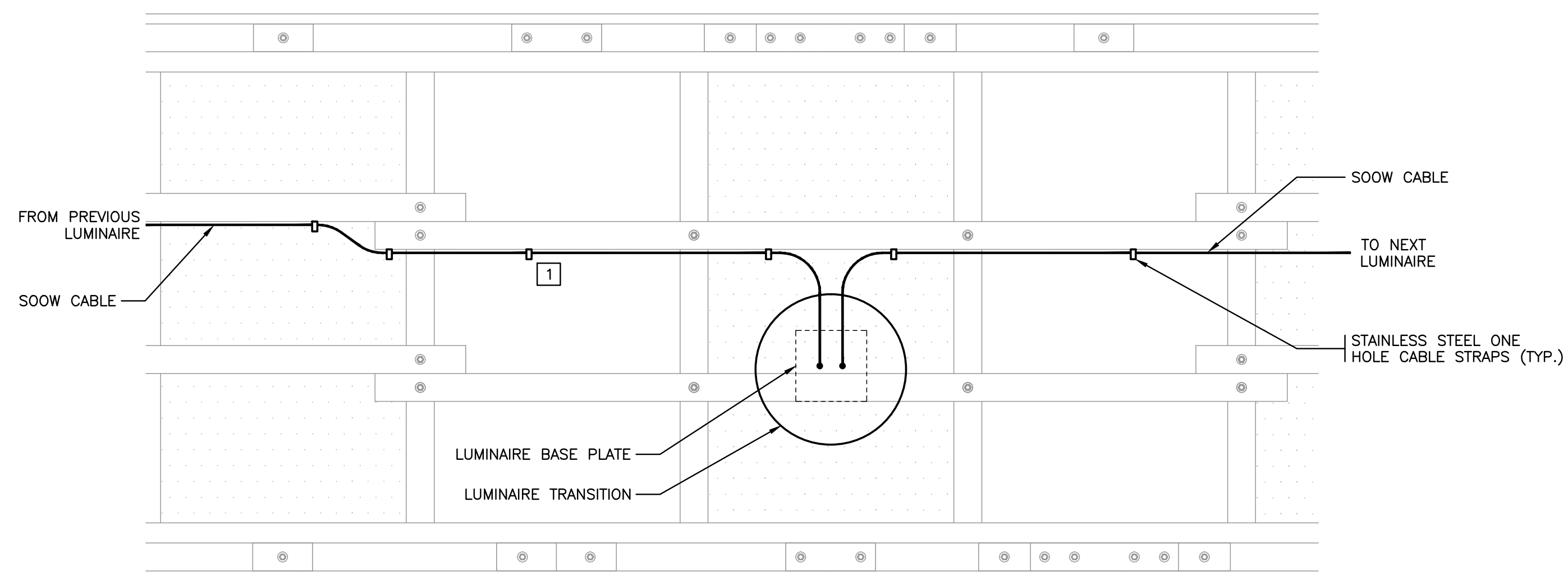
ELEVATION A CABLEING TRANSITION
1:10



ELEVATION B LUMINAIRE TRANSITION
1:20



ELEVATION C FLOAT JUNCTION (TYP.)
1:20



SECTION A
1:20

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/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/Dessiné par
PBX

PWSC 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 (2 OF 2)

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