

**Fisheries and Oceans
Canada**

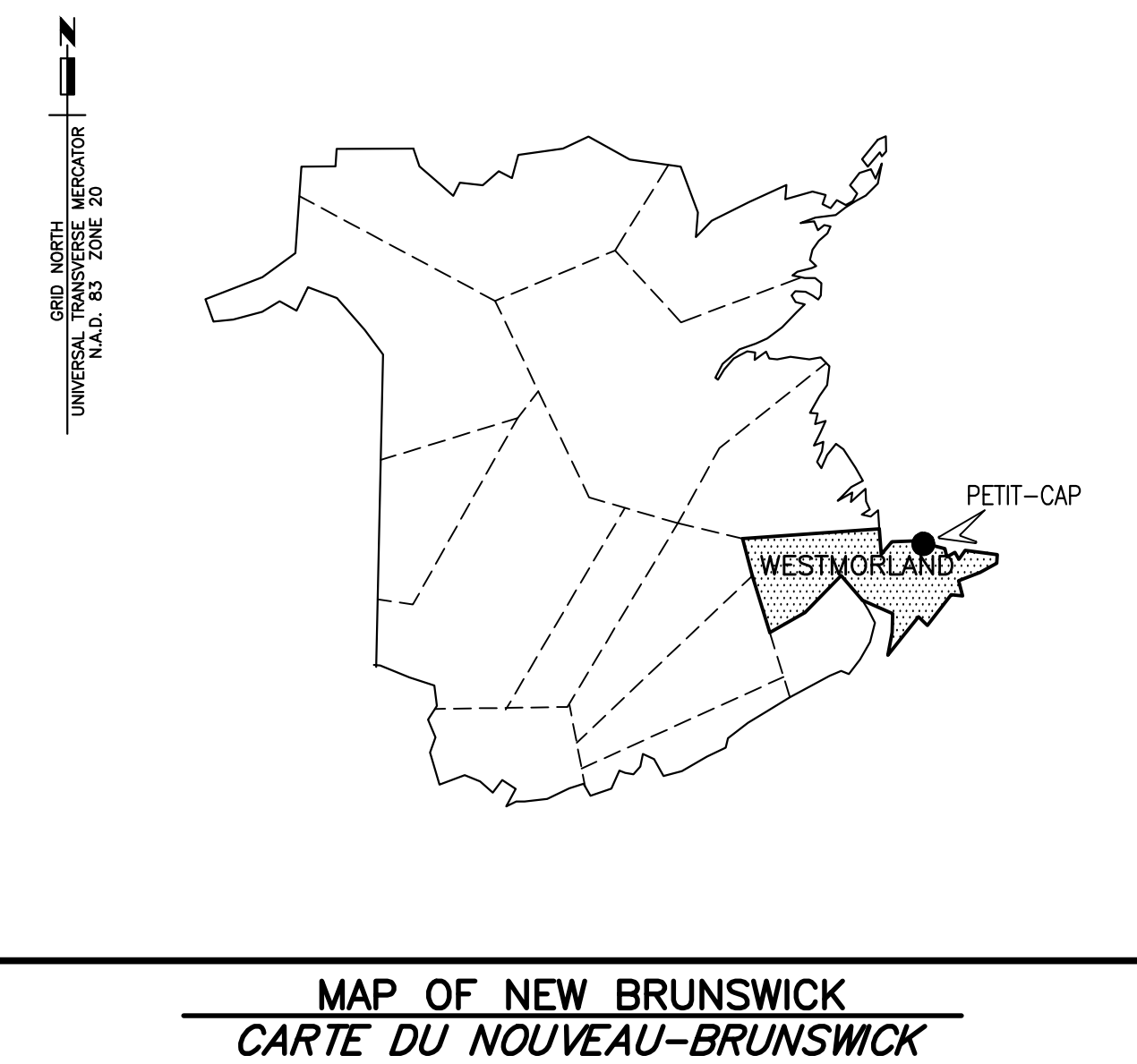
**Small Craft Harbours
Maritimes / Gulf Region**

**Pêches et Océans
Canada**

**Ports pour Petits Bateaux
Région des Maritimes / Golfe**

WHARF AND RAMP RECONSTRUCTION RECONSTRUCTION DU QUAI ET DE LA RAMPE STRUCTURE 404 & 501 PETIT-CAP, N.B./N.-B.

PROJECT NO. 721989



DRAWING LIST/ LISTE DE DESSINS

CIVIL/CIVIL

- M1 EXISTING SITE PLAN AND SECTIONS
PLAN DE SITE ET COUPES EXISTANT
- M2 PLAN OF NEW WORK AND SECTION
PLAN DES NOUVEAUX TRAVAUX ET COUPE
- M3 PLAN OF PILE LAYOUT AND ELEVATION
PLAN DES PIEUX ET ÉLEVATION
- M4 SECTIONS AND ELEVATIONS
COUPES ET ÉLEVATIONS
- M5 SECTIONS, DETAILS
COUPES, DÉTAILS
- M6 SECTIONS AND DETAILS
COUPES ET DÉTAILS
- M7 SECTIONS AND DETAILS
COUPES ET DÉTAILS
- M8 REINFORCING SECTIONS AND DETAILS
COUPES ET DÉTAILS D'ARMATURE
- M9 RAMP PLAN, SECTION AND DETAILS
PLAN DE LA RAMPE, COUPES ET DÉTAILS
- M10 FRESH WATER SYSTEM AND BOREHOLE RECORD
SYSTÈME D'EAU DOUCE ET RECORD DE FORAGE

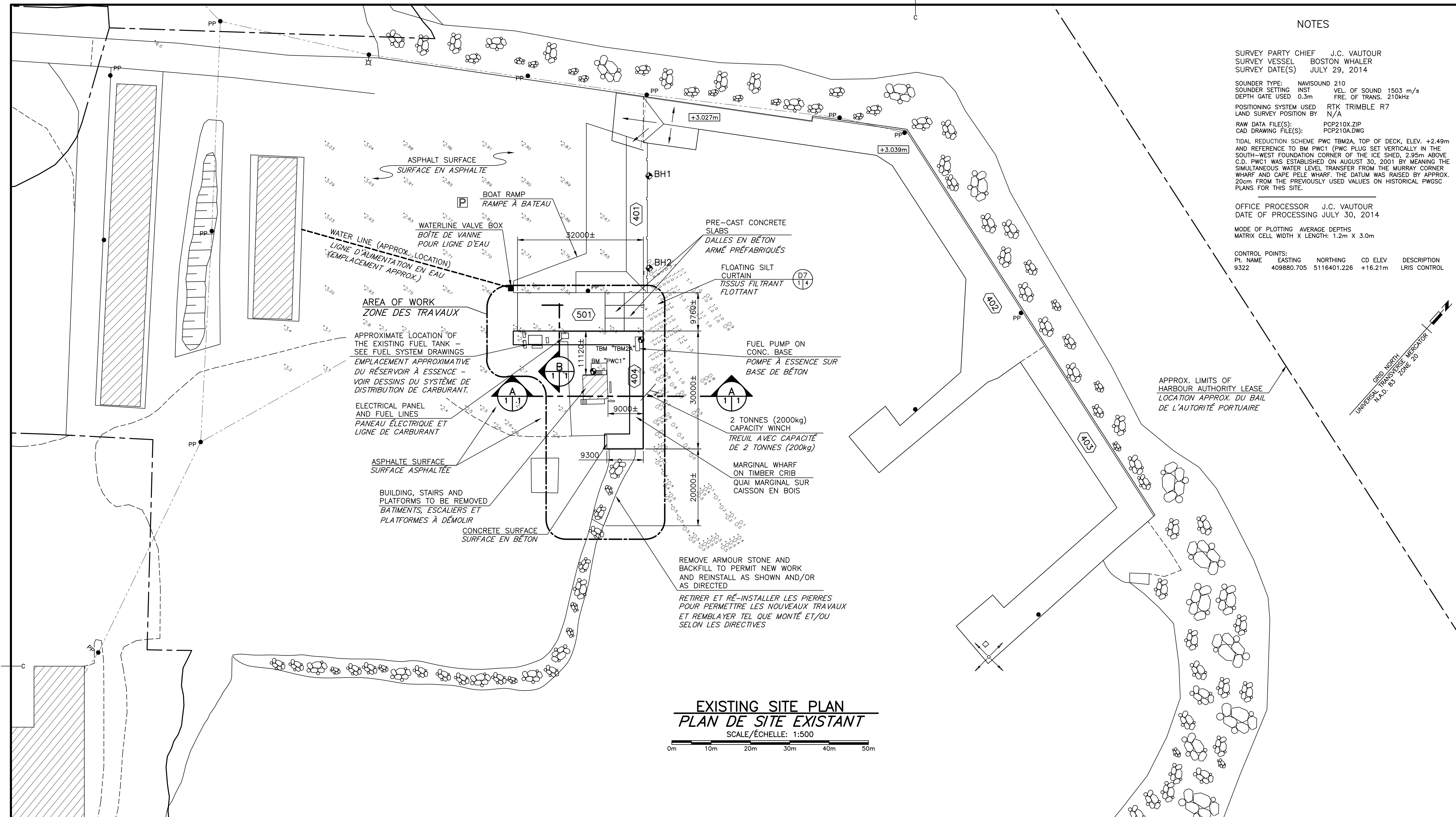
FUEL-DISPENSING SYSTEM/ SYSTÈME DISTRIBUTION DE CARBURANT

- 01 GENERAL ARRANGEMENT
- 02 DETAILS
- 03 PRODUCT TRANSFER AREA ELEVATION, PLAN AND DETAILS
- 04 ELECTRICAL LAYOUT AND DETAILS

ELECTRICAL/ÉLECTRIQUE

- E1 EXISTING LAYOUTS & DETAILS
- E2 NEW LAYOUTS & DETAILS
- E3 LIGHT POLE, TRENCH & POWER CENTER LAYOUTS AND DETAILS
- E4 POWER RISER & SERVICE CALCULATIONS
- E5 BUILDING LAYOUT & DETAILS
- E6 ILLUMINATIONS, CALCULATIONS &
LIGHT FIXTURE AIMING

Canada



NOTES

SURVEY PARTY CHIEF J.C. VAUTOUR
 SURVEY VESSEL BOSTON WHALER
 SURVEY DATE(S) JULY 29, 2014

SAUNDER TYPE: NAVISOUND 210
 SAUNDER SETTING INST VEL. OF SOUND 1503 m/s
 DEPTH GATE USED 0.3m FREQ. OF TRANS. 210kHz

POSITIONING SYSTEM USED RTK TRIMBLE R7
 LAND SURVEY POSITION BY N/A

RAW DATA FILE(S): PCP210X.ZIP
 CAD DRAWING FILE(S): PCP210A.DWG

TIDAL REDUCTION SCHEME FWC TBM2A, TOP OF DECK, ELEV. +2.49m
 AND REFERENCE TO BM PWC1 (PWC PLUG SET VERTICALLY IN THE SOUTH-WEST FOUNDATION CORNER OF THE ICE SHED, 2.95m ABOVE C.D. FWC1 WAS ESTABLISHED ON AUGUST 30, 2001 BY MEANING THE SIMULTANEOUS WATER LEVEL TRANSFER FROM THE MURRAY CORNER WHARF AND CAPE PELE WHARF. THE DATUM WAS RAISED BY APPROX. 200mm FROM THE PREVIOUSLY USED VALUES ON HISTORICAL FWSC PLANS FOR THIS SITE.

OFFICE PROCESSOR J.C. VAUTOUR
 DATE OF PROCESSING JULY 30, 2014

MODE OF PLOTTING AVERAGE DEPTHS
 MATRIX CELL WIDTH X LENGTH: 1.2m X 3.0m

CONTROL POINTS:
 Pt. NAME EASTING NORTHING CD ELEV DESCRIPTION
 9322 409880.705 5116401.226 +16.21m LRIS CONTROL

WORK SITE / SITE DES TRAVAUX

CHART OF LOCATION / CARTE D'EMPLACEMENT

LEGEND / LÉGENDE

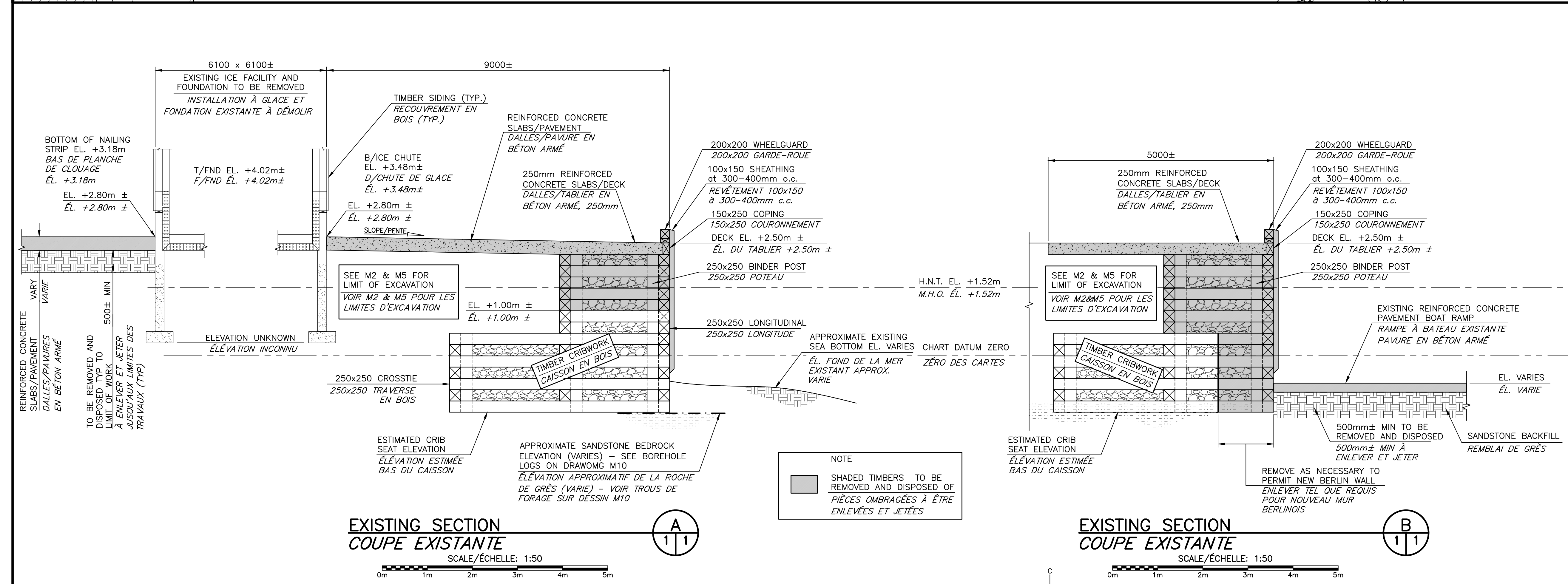
- AREA OF WORK / ZONE DES TRAVAUX
- BUILDING / ÉDIFICE
- WINCH / TREUIL
- ELECTRICAL POLE / POTEAU D'ÉLECTRICITÉ
- ELECTRICAL POLE AND LIGHT / POTEAU D'ÉLECTRICITÉ ET LUMIÈRE
- OVERHEAD WIRES / FIL ÉLECTRIQUE AÉRIEN
- BENCHMARK / BORNE RÉPÈRE
- BOREHOLE - SEE M10 FOR INFORMATION / FORAGE - VOIR M10 POUR INFORMATION
- NAVIGATIONAL LIGHT / FEU DE NAVIGATION
- ARMOUR STONE / PIERRE DE PROTECTION
- SOUNDINGS BELOW CHART DATUM - ELEVATIONS MAY BE DIFFERENT THAN SHOWN / SONDAGE AU-DESSOUS DU ZÉRO DES CARTES - ÉLÉVATIONS PEUVENT ÊTRE DIFFÉRENTES QUE MONTRÉES
- SOUNDINGS ABOVE CHART DATUM - ELEVATIONS MAY BE DIFFERENT THAN SHOWN / SONDAGE AU-DESSUS DU ZÉRO DES CARTES - ÉLÉVATIONS PEUVENT ÊTRE DIFFÉRENTES QUE MONTRÉES

Fisheries and Oceans / Pêches et Océans Canada
 Small Craft Harbours / Ports pour Petits Bateaux Maritimes / Gulf Region / Région des Maritimes / Golfe

Boucher Eng. & Const. Ltd.
 Dieppe, N.B.
 Tel.: (506)854-4233
 Fax: (506)855-6544
 e-mail: cyb@bnet.nb.ca

REGISTERED PROFESSIONAL ENGINEER
 #M4875
 Claude Boucher
 February 2, 2017
 Rég. du Nouveau-Brunswick
 INGENIEUR IMMATRICULÉ

EXISTING SITE PLAN / PLAN DE SITE EXISTANT
 SCALE/ÉCHELLE: 1:500



NOTES / NOTES

1 - EXISTING PLAN AND SECTIONS ARE APPROXIMATE ONLY. THE ACTUAL CONSTRUCTION CONFIGURATION AND DETAILS MAY DIFFER THAN SHOWN.
 1 - PLAN ET COUPES EXISTANTS SONT APPROXIMATIVES SEULEMENTS. LES CONDITIONS DE CONSTRUCTIONS RÉELLES ET DÉTAILS PEUVENT ÊTRE DIFFÉRENTS TEL QUE MONTRER.

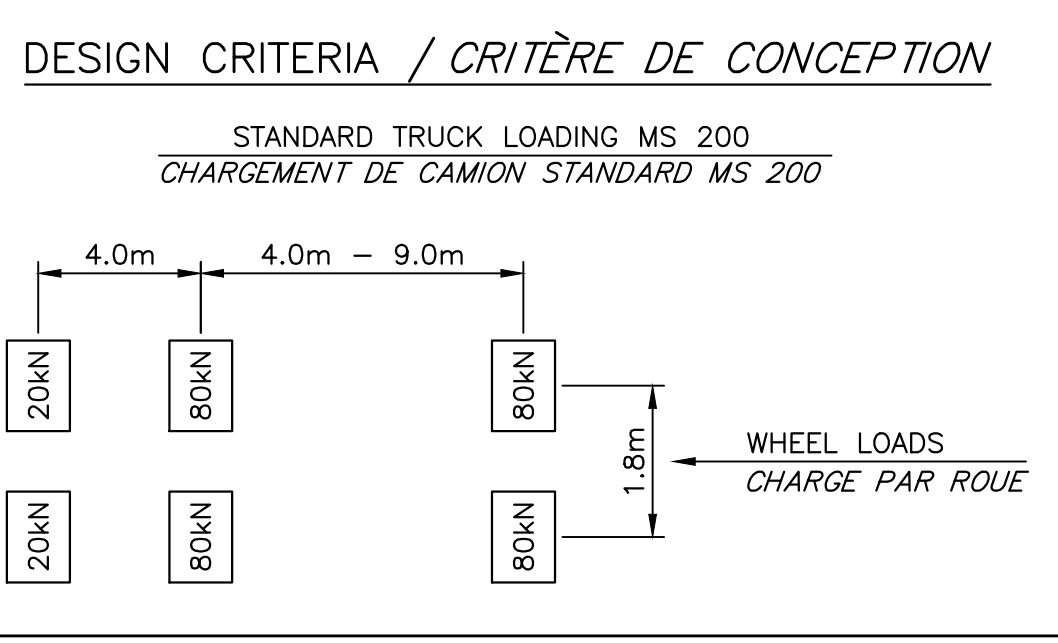
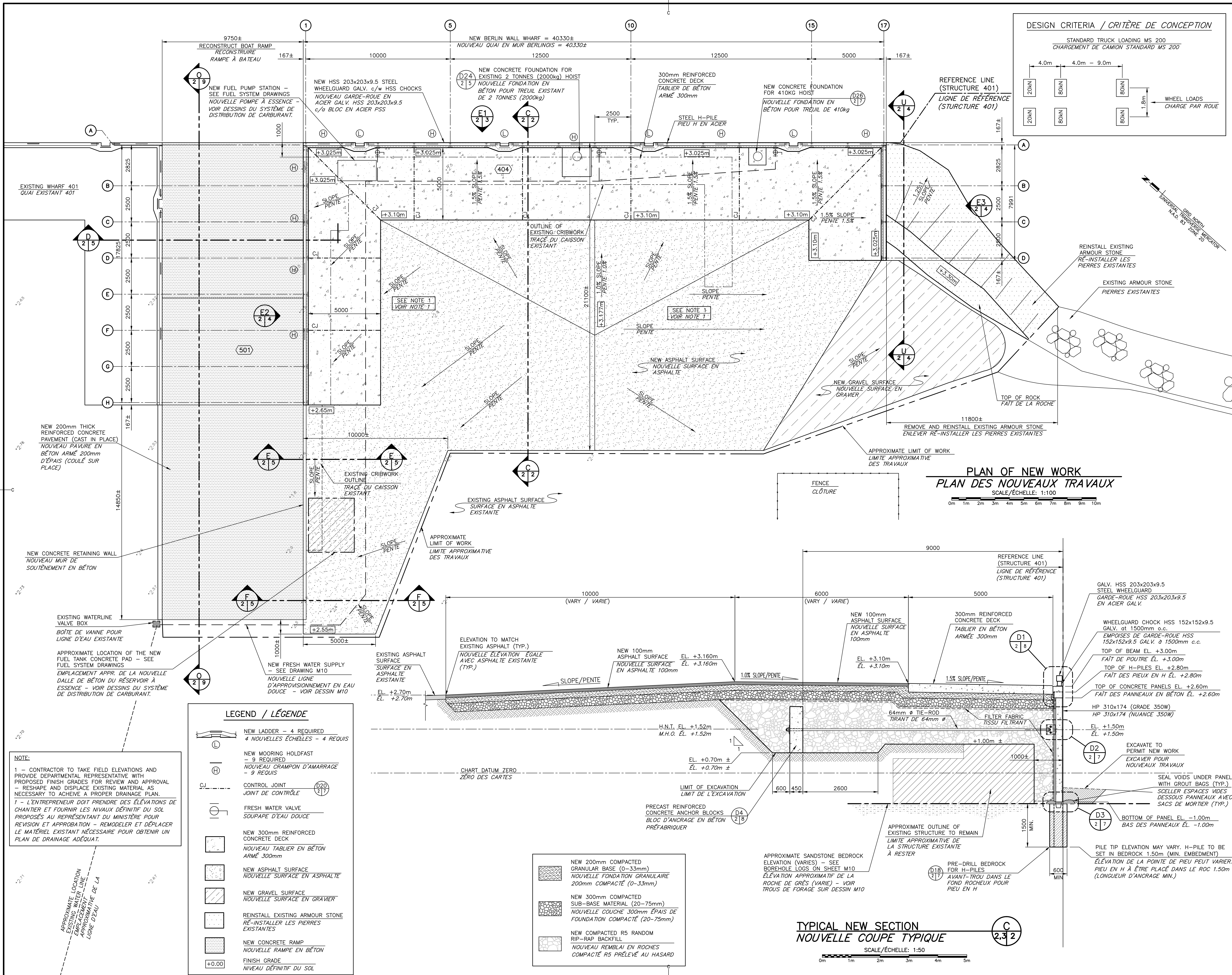
2 - CONTRACTOR TO DETERMINE SUITABILITY OF ALL ACCESS STRUCTURES FOR INTENDED LOADS. ENSURE NO PART OF STRUCTURES ARE SUBJECTED TO LOADS THAT WILL ENDANGER ITS SAFETY OR CAUSE DAMAGE.
 2 - L'ENTREPRENEUR DOIT S'ASSURER QUE TOUTES LES STRUCTURES D'ACCÈS SONT ADÉQUATES POUR SUPPORTER LES CHARGES PROPOSÉES. IL FAUT ASSURER QU'AUCUNE PARTIE DES STRUCTURES SONT SOUMISE À DES CHARGEMENTS QUI POURRAIT METTRE EN DANGER LA SÉCURITÉ OU CAUSER DES DOMAGES.

3 - UNDERGROUND LINES AND CONDUITS, POWER POLES AND ELECTRICAL COMPONENTS TO BE REMOVED IN AREAS OF WORK. LOCATION OF UNDERGROUND CONDUITS TO BE CONFIRMED ON SITE.
 3 - ENLEVER LES LIGNES ET CONDUITS SOUTERRAINS, PÔLES ET INSTALLATIONS ÉLECTRIQUES DANS LES ZONES DE TRAVAUX. LOCATION DES CONDUITS SOUTERRAINS À ÊTRE CONFIRMÉS SUR CHANTIER.

4 - EXISTING WINCH TO BE REMOVED AND STORED ON SITE
 4 - TREUILS EXISTANTS À ÊTRE ENLEVÉ ET ENTROPOSÉ SUR LE SITE

5 - THE CONTRACTOR IS ADVISED THAT THE LOBSTER FISHERY WILL BE IN EFFECT FROM EARLY AUGUST TO MID-OCTOBER. FISHERMEN, FISH BUYERS, TRAFFIC WILL BE UTILIZING THESE STRUCTURES ON A REGULAR BASIS. VARIOUS FISHERY ACTIVITIES WILL BE IN EFFECT AT VARIOUS TIMES FROM SPRING TO FALL. COORDINATE WORK ACCORDINGLY.
 5 - L'ENTREPRENEUR EST AVISÉ QUE LA PÊCHE AUX HOMARDS SERA EN VIGUEUR À PARTIR DU DÉBUT AOÛT JUSQU'À LA MI-OCTOBRE. LES PÊCHEURS, ACHETEURS, EN PLUS DE LA CIRCULATION VONT EMPLOYER CES STRUCTURES RÉGULIÈREMENT. AUTRES ACTIVITÉS DES PÊCHES SERONT EN VIGUEUR À DIFFÉRENTES PÉRIODES DU PRINTEMPS JUSQU'À L'AUTOMNE, COORDONNER LES TRAVAUX EN CONSÉQUENCES.

0	ISSUED FOR TENDER	FEB 02 2017
revisions		date
project	project	
WHARF RECONSTRUCTION / RECONSTRUCTION DE QUAI STRUCTURE 404 & 501 PETIT-CAP		
COMTÉ DE WESTMORLAND COUNTY		
drawing	design	
EXISTING SITE PLAN AND SECTION / PLAN DE SITE ET COUPES EXISTANTS		
designed	C Y BOUCHER ENG & CONST LTD. conçu	
date	NOVEMBER/NOVEMBRE 2016	
drawn	L. RIOUX dessiné	
date	NOVEMBER/NOVEMBRE 2016	
approved	approved	
date		
Tender	Soumission	
Project Manager	Administrateur de projets	
project number	no. du projet	
	721989	
drawing no.	no. du dessin	
	M1 of/de M10	



**PLAN OF NEW WORK
PLAN DES NOUVEAUX TRAVAUX**
SCALE/ÉCHELLE: 1:100

**TYPICAL NEW SECTION
NOUVELLE COUPE TYPIQUE**
SCALE/ÉCHELLE: 1:50

LEGEND / LÉGENDE

	NEW LADDER - 4 REQUIRED 4 NOUVELLES ÉCHELLES - 4 REQUIS
	NEW MOORING HOLDFAST - 9 REQUIRED NOUVEAU CRAMPON D'AMARRAGE - 9 REQUIS
	CONTROL JOINT JOINT DE CONTRÔLE
	FRESH WATER VALVE SOUPAPE D'EAU DOUCE
	NEW 300mm REINFORCED CONCRETE DECK NOUVEAU TABLIER EN BÉTON ARMÉ 300mm
	NEW ASPHALT SURFACE NOUVELLE SURFACE EN ASPHALTE
	NEW GRAVEL SURFACE NOUVELLE SURFACE EN GRAVIER
	REINSTALL EXISTING ARMOUR STONE RE-INSTALLER LES PIERRES EXISTANTES
	NEW CONCRETE RAMP NOUVELLE RAMPE EN BÉTON
	FINISH GRADE NIVEAU DÉFINITIF DU SOL

	NEW 200mm COMPACTED GRANULAR BASE (0-33mm) NOUVELLE FONDATION GRANULAIRE 200mm COMPACTÉ (0-33mm)
	NEW 300mm COMPACTED SUB-BASE MATERIAL (20-75mm) NOUVELLE COUCHE 300mm ÉPAIS DE FONDATION COMPACTÉ (20-75mm)
	NEW COMPACTED R5 RANDOM RIP-RAP BACKFILL NOUVEAU REMBLAI EN ROCHES COMPACTÉ R5 PRÉLEVÉ AU HASARD

NOTE:
1 - CONTRACTOR TO TAKE FIELD ELEVATIONS AND PROVIDE DEPARTMENTAL REPRESENTATIVE WITH PROPOSED FINISH GRADES FOR REVIEW AND APPROVAL - RESHAPE AND DISPLACE EXISTING MATERIAL AS NECESSARY TO ACHIEVE A PROPER DRAINAGE PLAN.
1 - L'ENTREPRENEUR DOIT PRENDRE DES ÉLÉVATIONS DE CHANTIER ET FOURNIR LES NIVEAUX DÉFINITIF DU SOL PROPOSÉS AU REPRÉSENTANT DU MINISTÈRE POUR RÉVISION ET APPROBATION - REMODELER ET DÉPLACER LE MATÉRIEL EXISTANT NECESSAIRE POUR OBTENIR UN PLAN DE DRAINAGE ADÉQUAT.

Fisheries and Oceans / Pêches et Océans Canada
Small Craft Harbours / Ports pour Petits Bateaux Maritimes / Gulf Region / Région des Maritimes / Golfe

Boucher Eng. & Const. Ltd.
Dieppe, N.B.
Tel: (506)854-4233
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e-mail: info@bouchernet.nb.ca

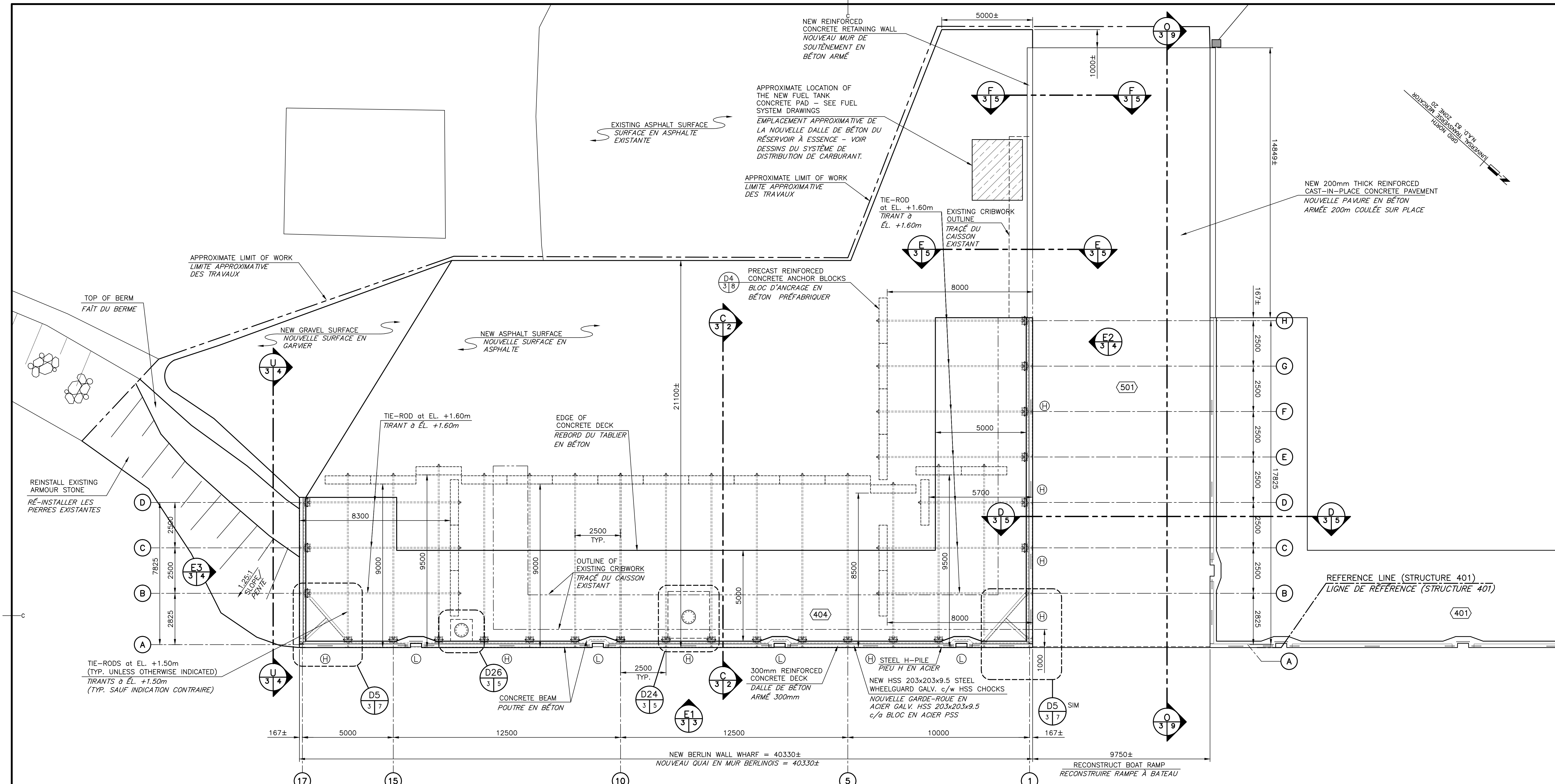
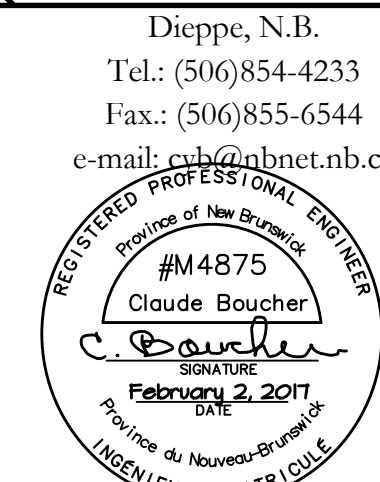
REGISTERED PROFESSIONAL ENGINEER
#M4875
Claude Boucher
February 2, 2017
Province of New Brunswick
INGÉNIEUR / IMMATRICULÉ

0	ISSUED FOR TENDER	FEB 02 2017
revisions		date

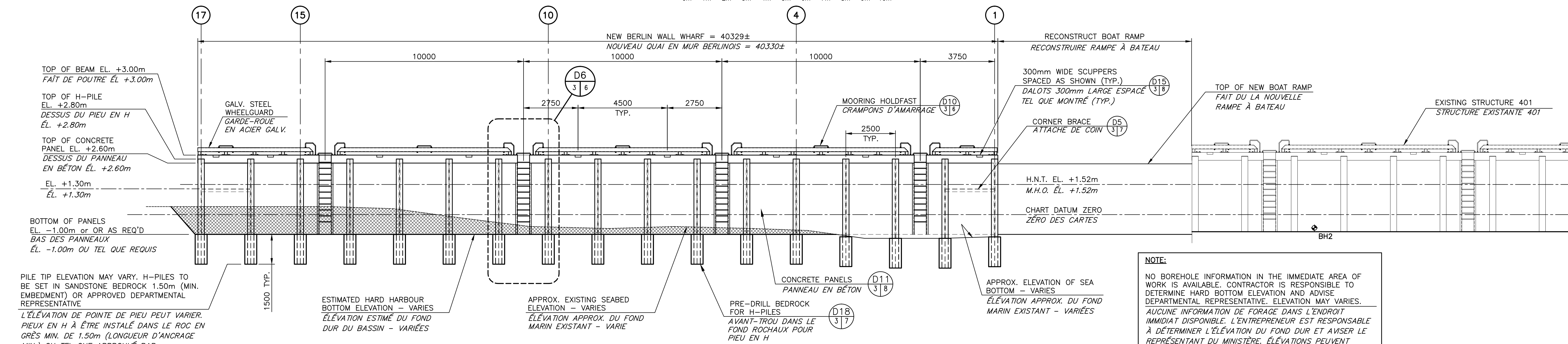
**WHARF RECONSTRUCTION
RECONSTRUCTION DU QUAI**
STRUCTURE 404 & 501
PETIT-CAP, NB
COMTÉ DE WESTMORLAND COUNTY

project
drawing

designed C Y BOUCHER ENG & CONST LTD. conçu
date NOVEMBER/NOVEMBRE 2016
drawn L. RIOUX
date NOVEMBER/NOVEMBRE 2016
approved
date
Tender
Project Manager Administrateur de projets
project number no. du projet
721989
drawing no. no. du dessin
M2 of/de M10



PLAN OF WORK
PLAN DES TRAVAUX
SCALE/ÉCHELLE: 1:100



ELEVATION OF WORK FACE
ÉLÉVATION DE LA SURFACE DES TRAVAUX
SCALE/ÉCHELLE: 1:100

NOTE:
NO BOREHOLE INFORMATION IN THE IMMEDIATE AREA OF WORK IS AVAILABLE. CONTRACTOR IS RESPONSIBLE TO DETERMINE HARD BOTTOM ELEVATION AND ADVISE DEPARTMENTAL REPRESENTATIVE. ELEVATION MAY VARY. AUCUNE INFORMATION DE FORAGE DANS L'ENDROIT IMMÉDIAT DISPONIBLE. L'ENTREPRENEUR EST RESPONSABLE À DÉTERMINER L'ÉLEVATION DU FOND DUR ET AVISER LE REPRÉSENTANT DU MINISTÈRE. ÉLEVATIONS PEUVENT VARIER.

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project
WHARF RECONSTRUCTION
RECONSTRUCTION DU QUAI
STRUCTURE 404 & 501
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COMTÉ DE WESTMORLAND COUNTY

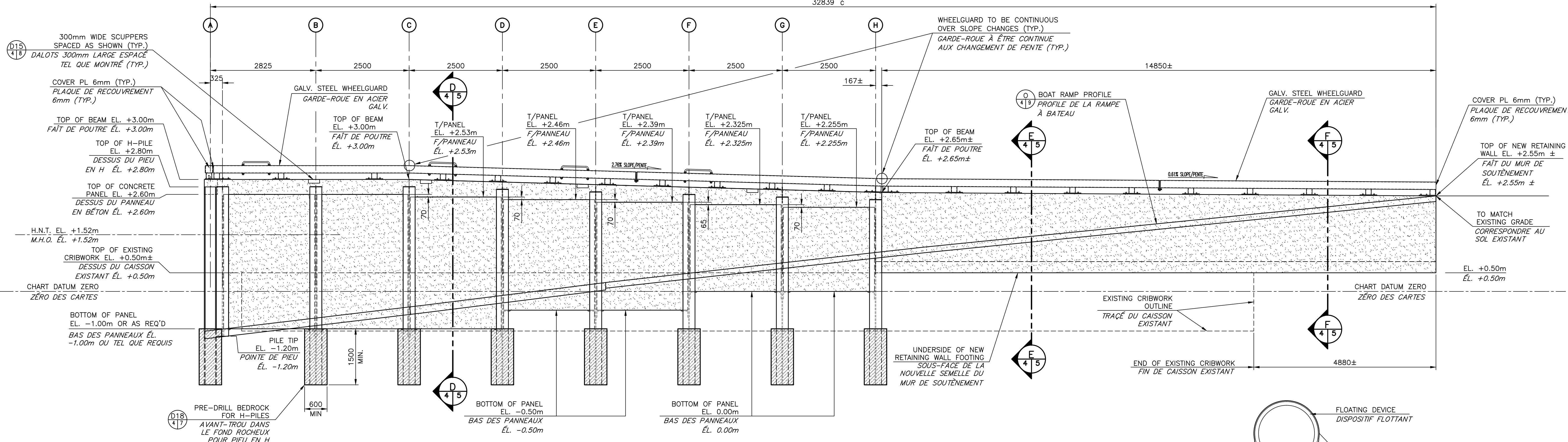
drawing
PLAN OF PILE LAYOUT AND ELEVATION
PLAN D'EMPLACEMENT DES BLOCS ET ÉLEVATION

designed	C Y BOUCHER ENG & CONST LTD.	conçu
date	NOVEMBER/NOVEMBRE 2016	
drawn	L. RIOUX	dessiné
date	NOVEMBER/NOVEMBRE 2016	
approved		approuvé
date		
Tender		Submission
Project Manager	Administrateur de projets	
project number	721989	no. du projet
drawing no.	M3 of/de M10	no. du dessin

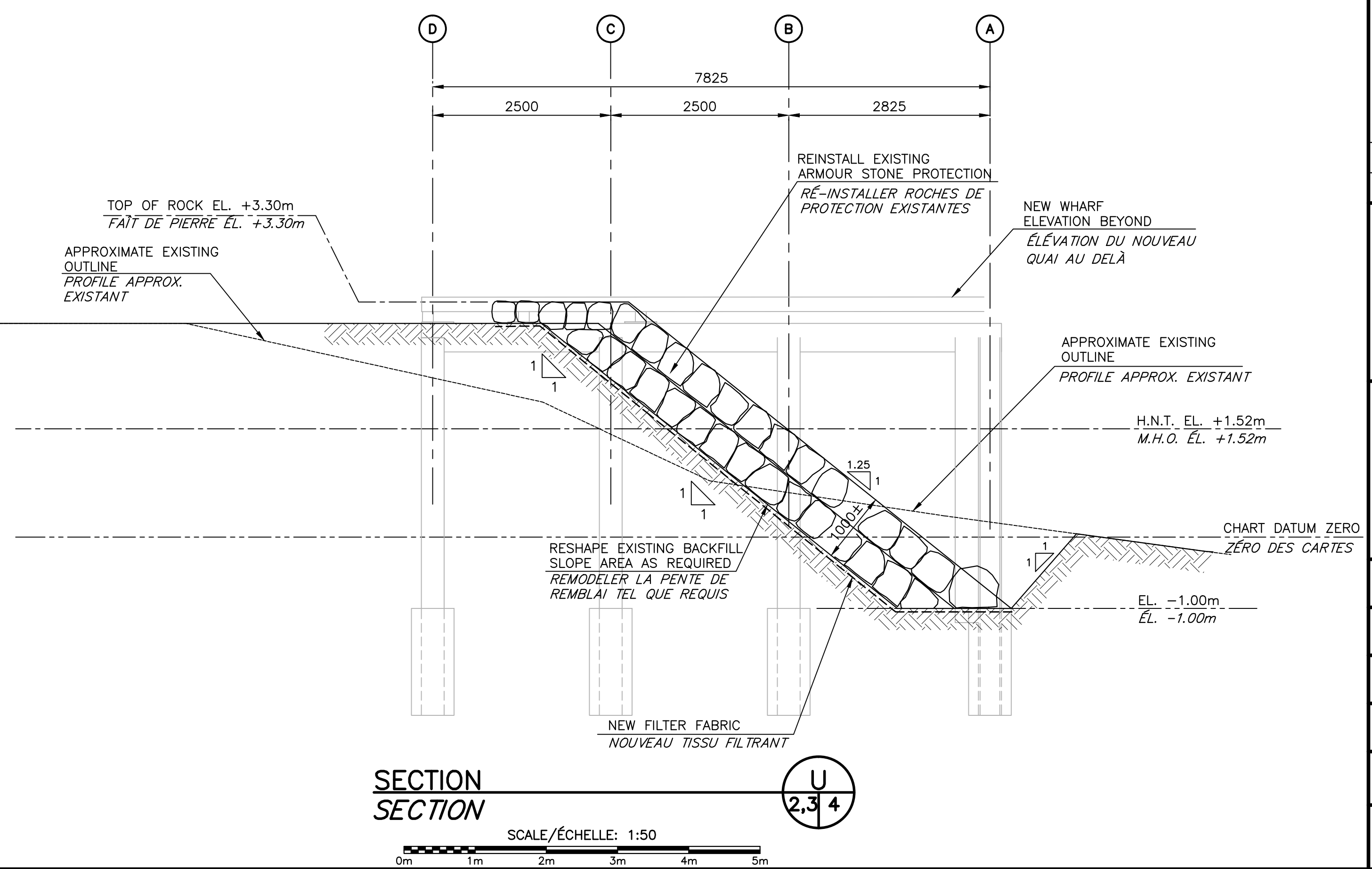
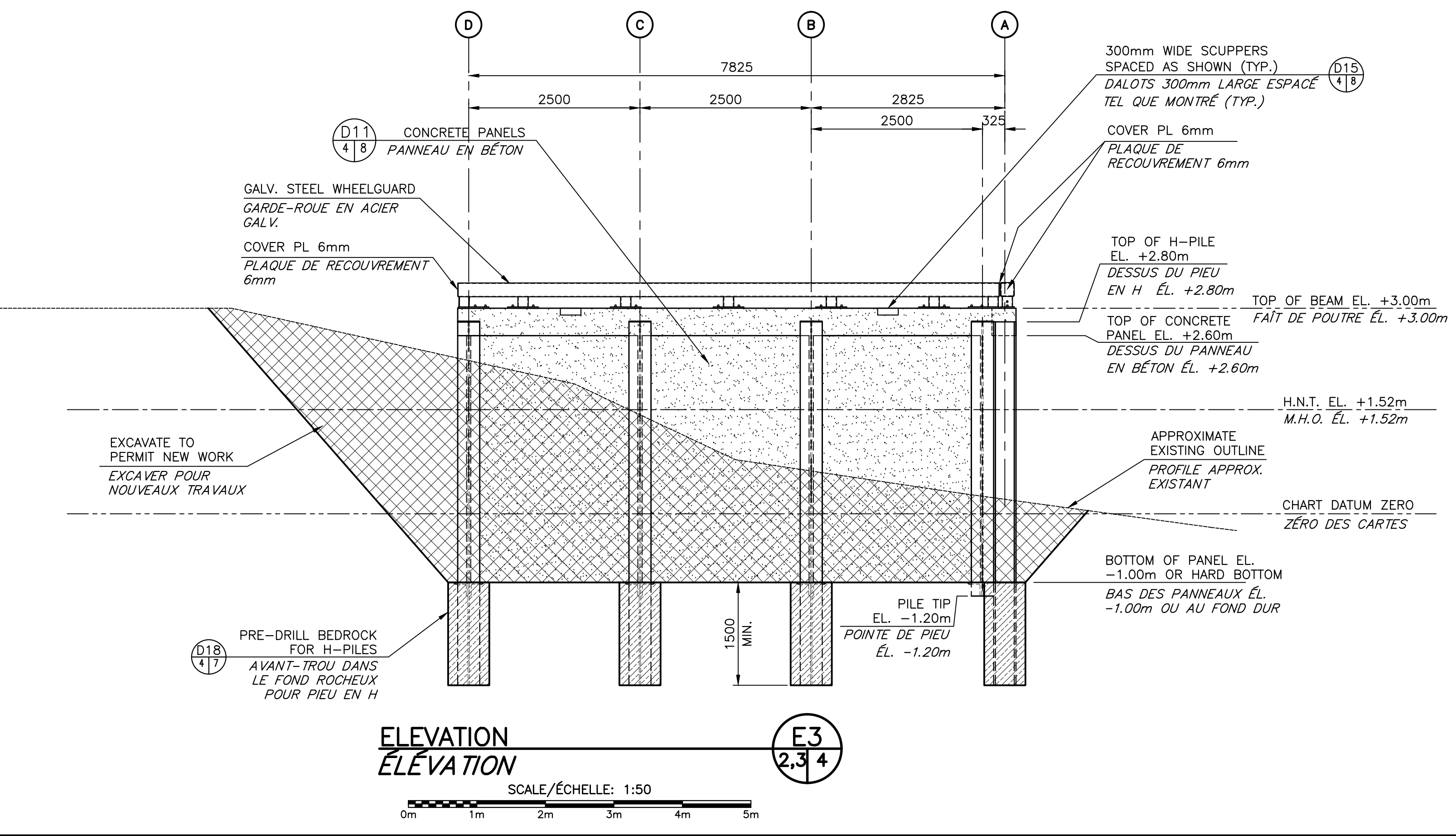
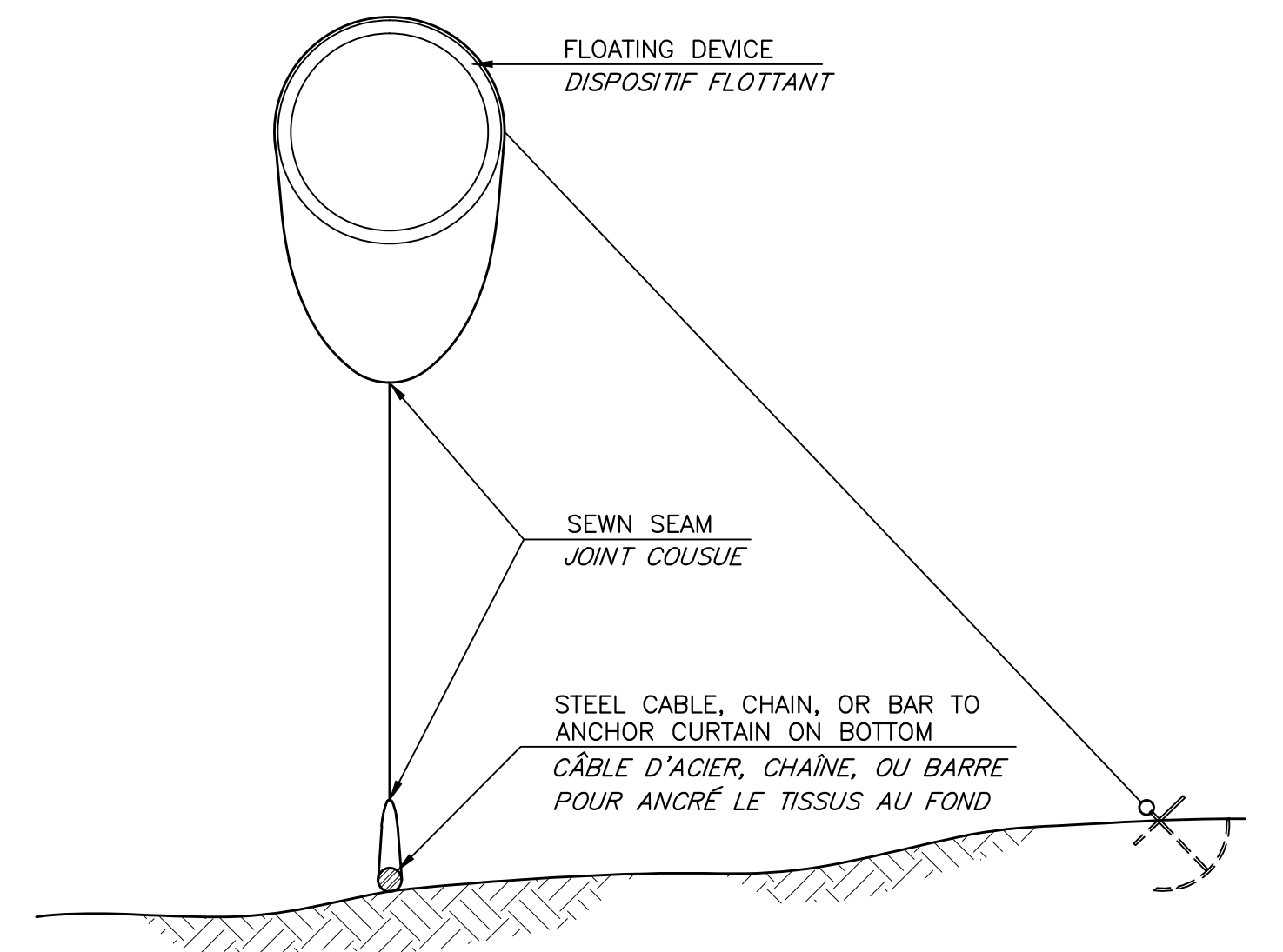
Fisheries and Oceans / Pêches et Océans
 Canada
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C Y Boucher Eng. & Const. Ltd.
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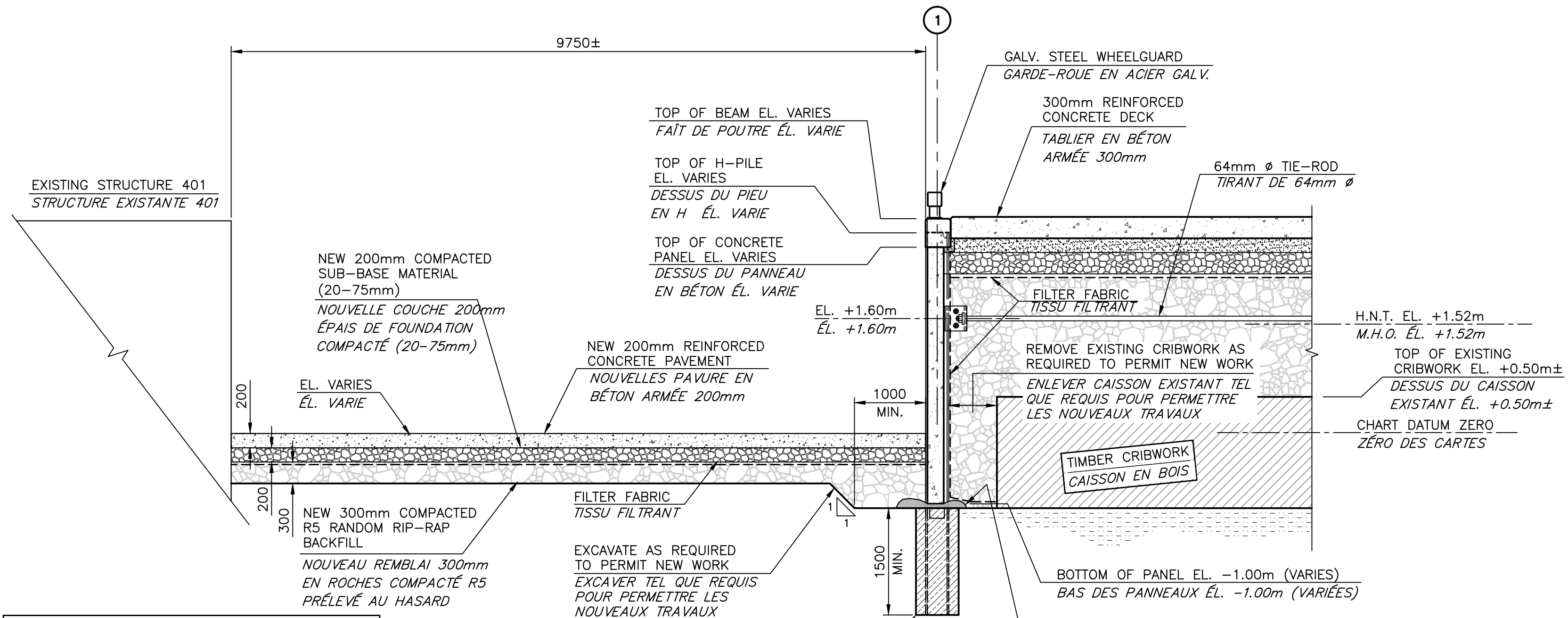
REGISTERED PROFESSIONAL ENGINEER
 #14875
 Claude Boucher
 February 2, 2011
 Province of New Brunswick
 L'INGÉNIEUR L'AMATEUR



NOTE:
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 AUCUNE INFORMATION DE FORAGE DANS CETTE RÉGION N'EST DISPONIBLE DANS L'IMMÉDIAT. L'ENTREPRENEUR EST RESPONSABLE DE DÉTERMINER L'ÉLEVATION DU FOND DUR ET AVISER LE REPRÉSENTANT DU MINISTÈRE. ÉLEVATIONS PEUVENT VARIER.

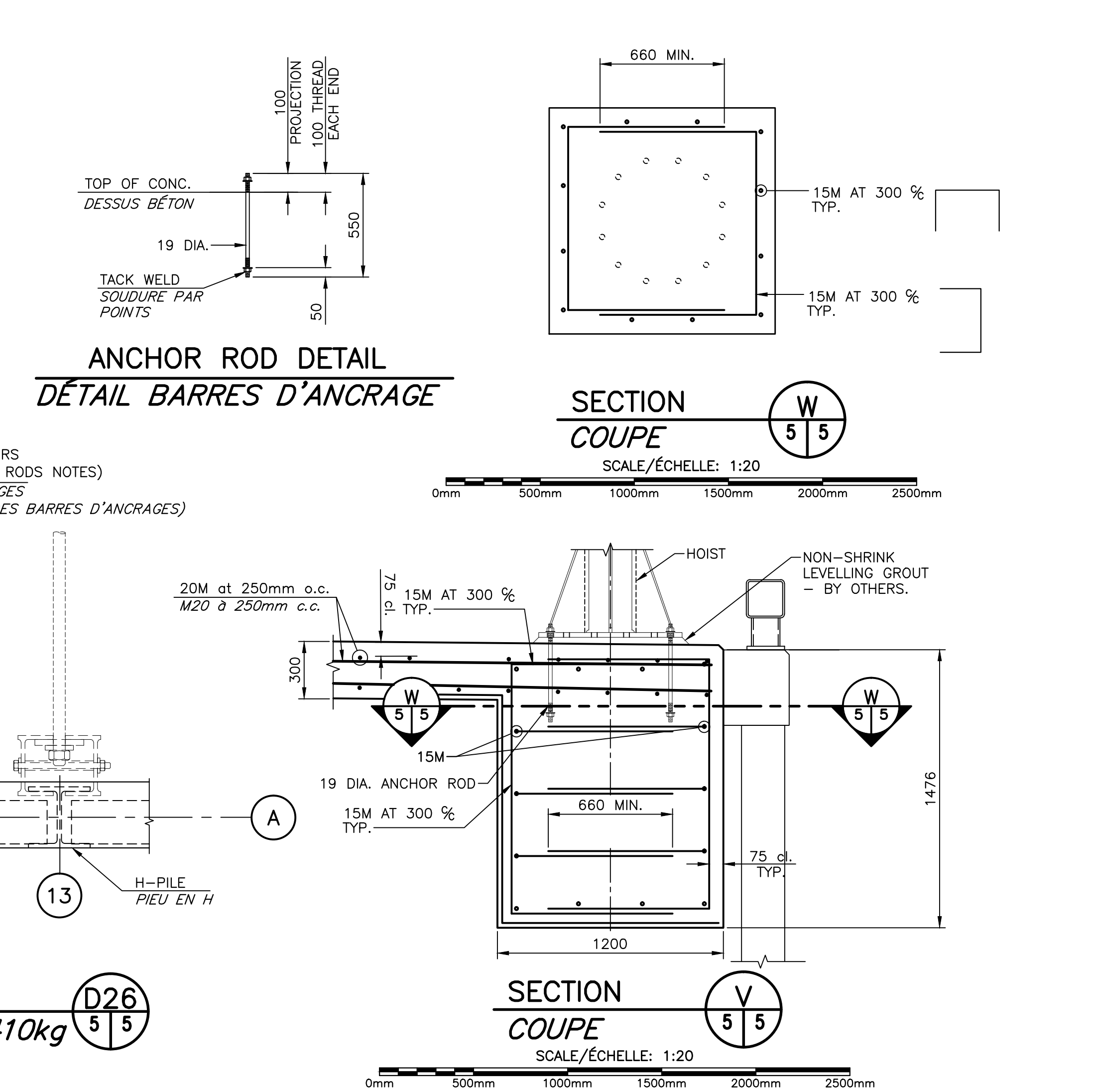
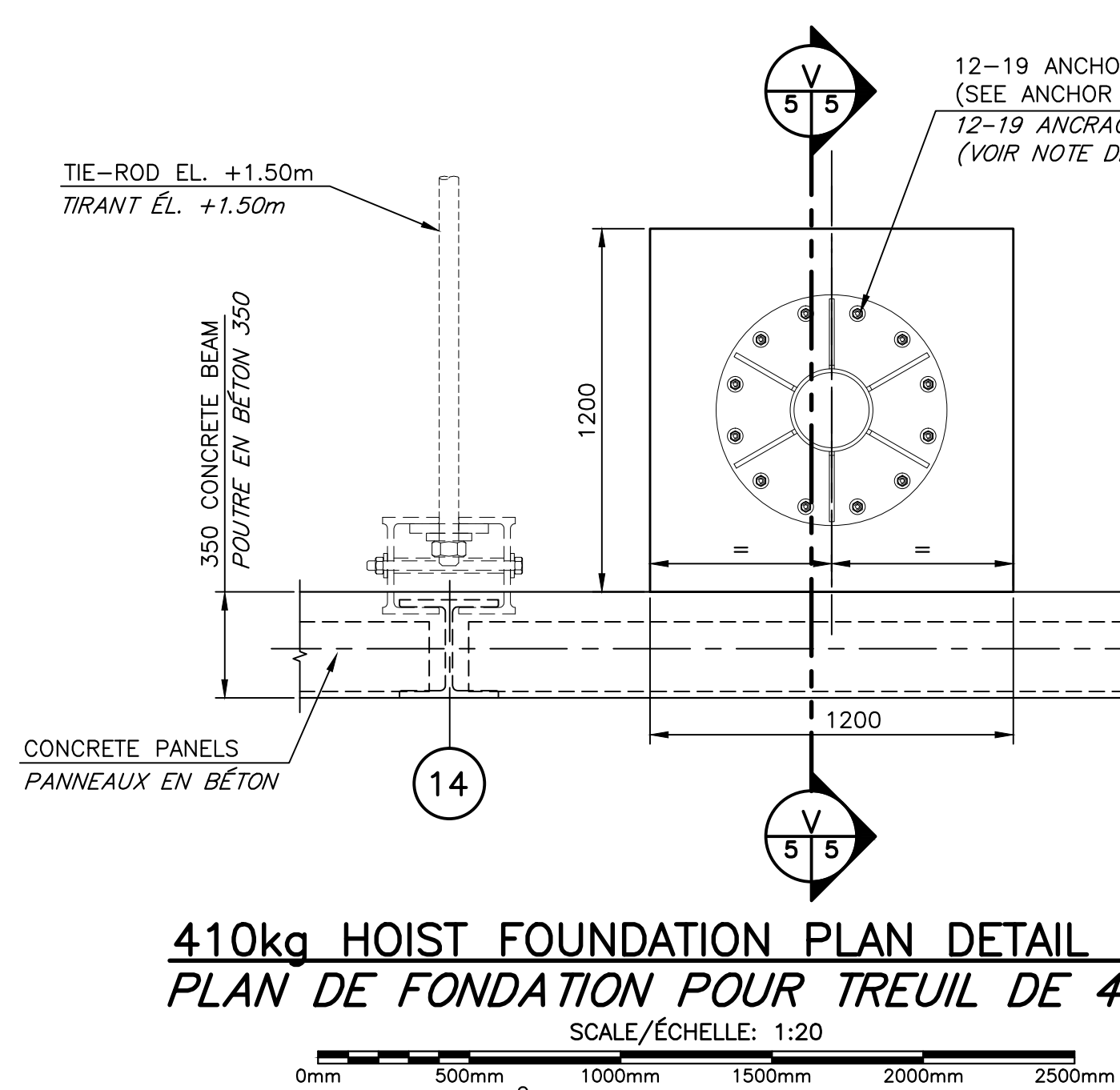
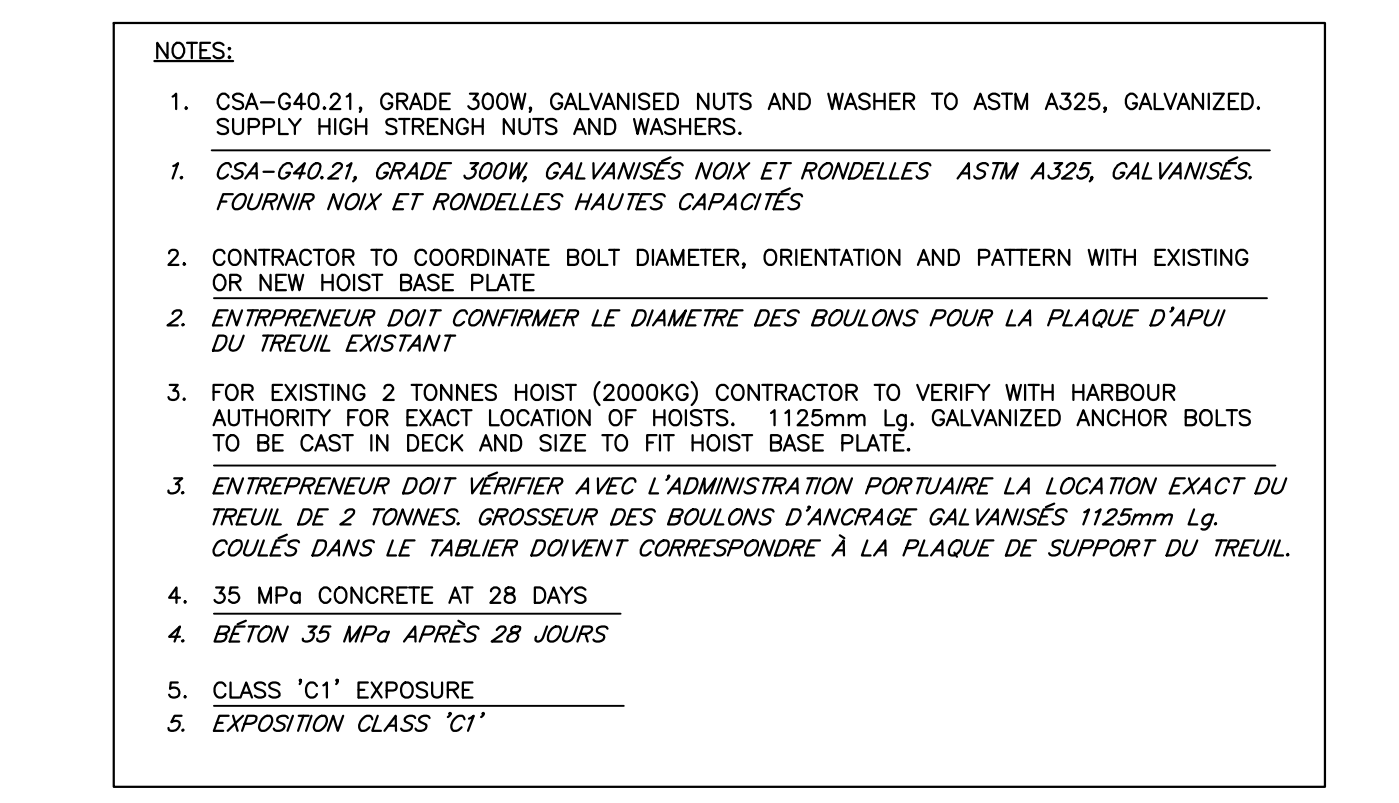
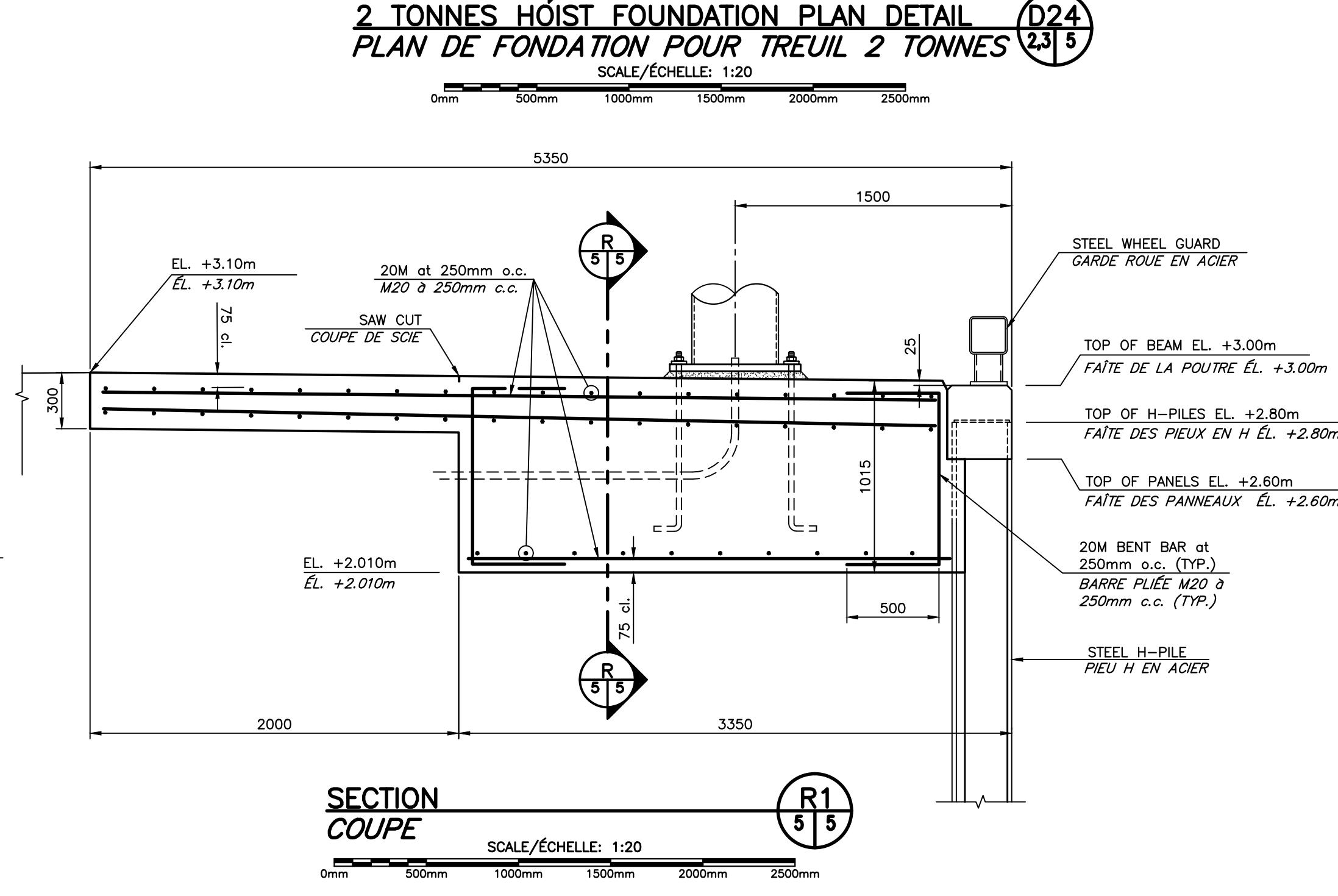
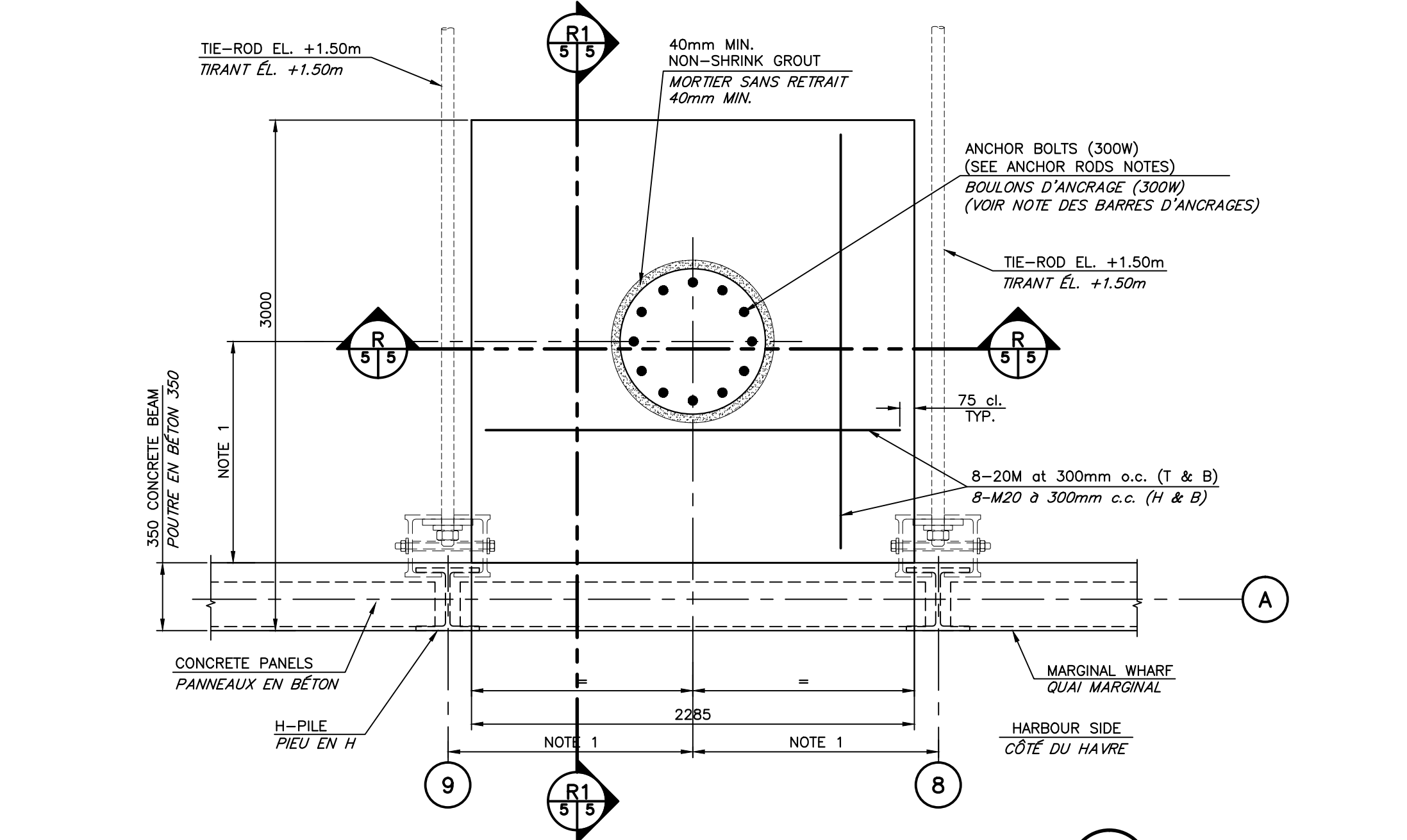
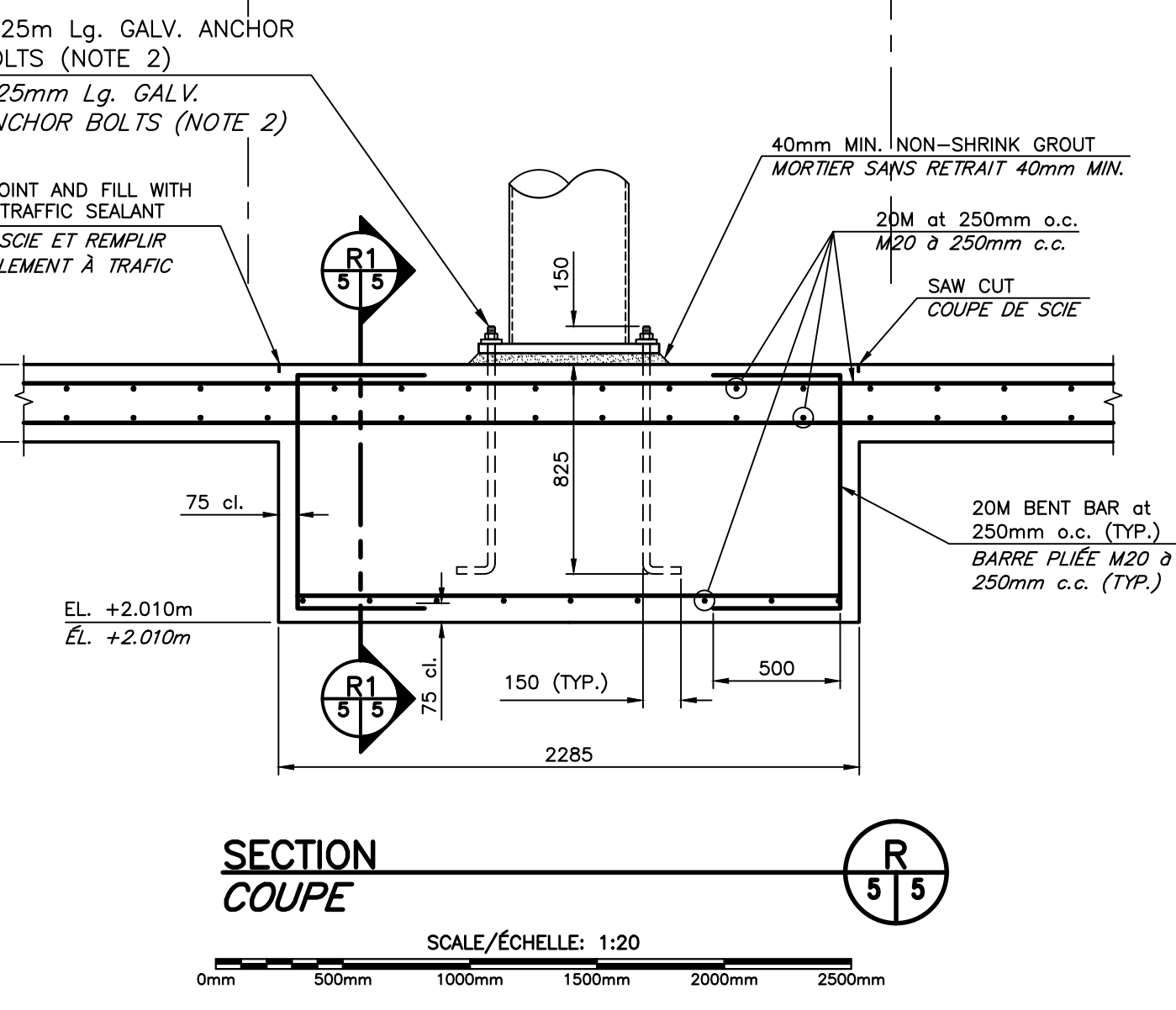
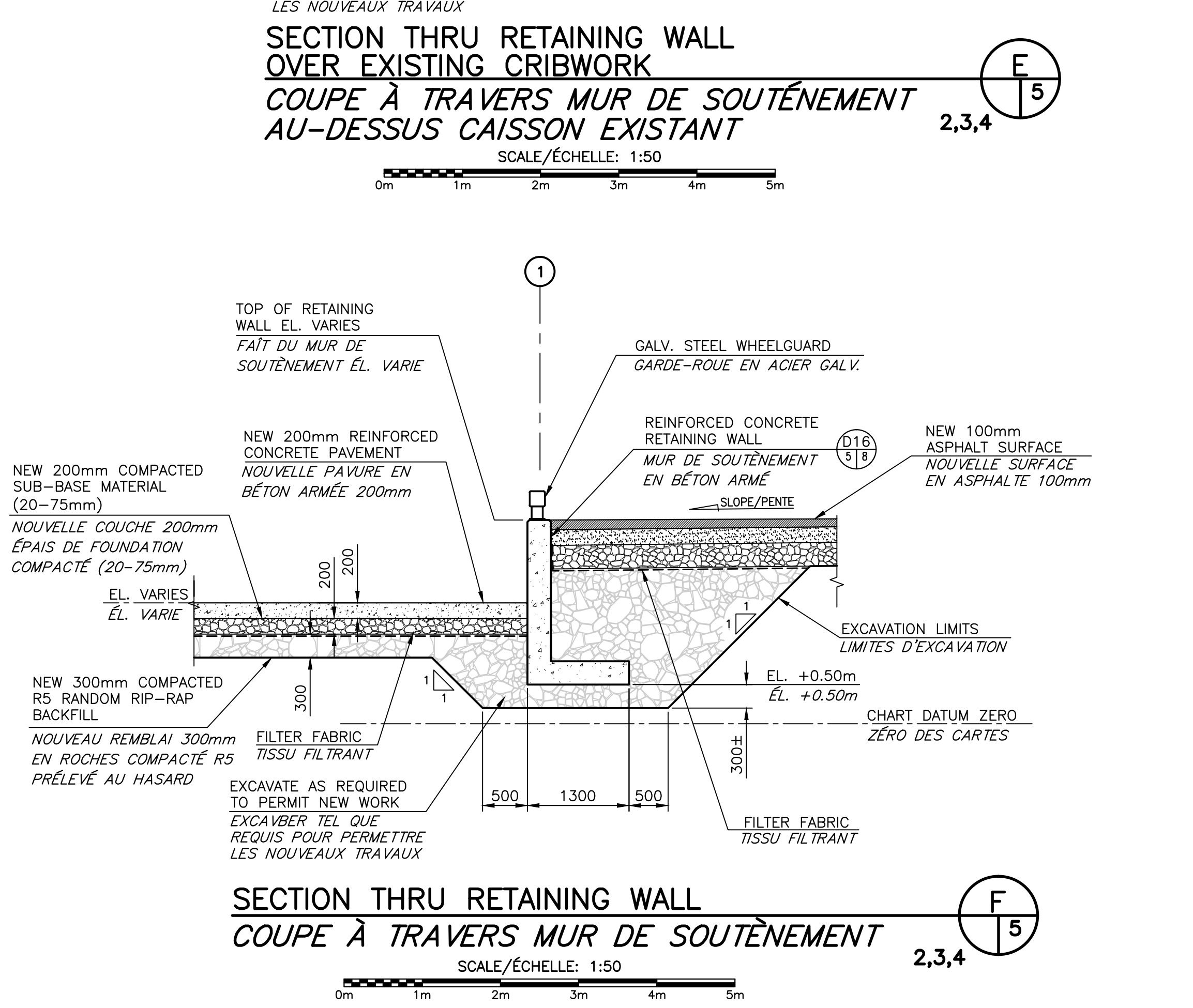
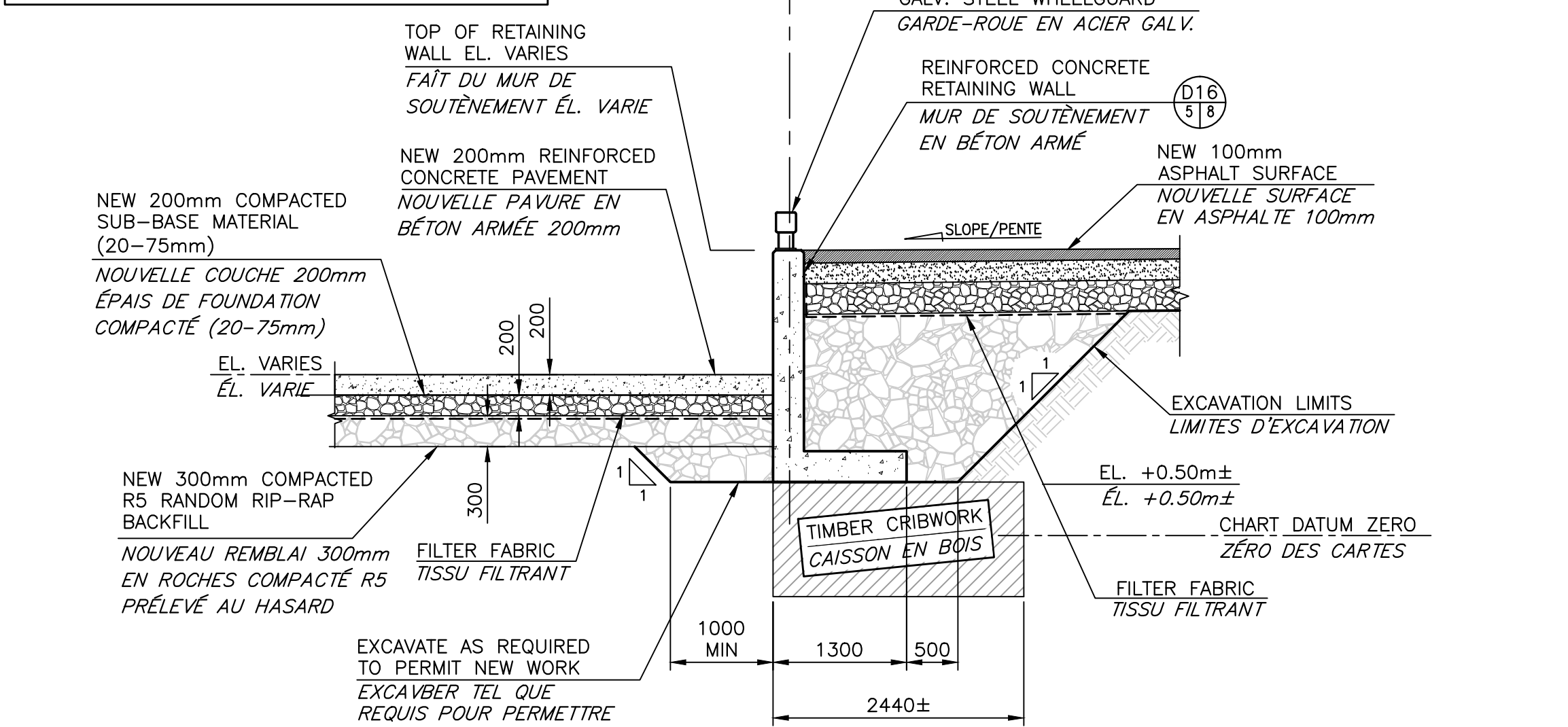
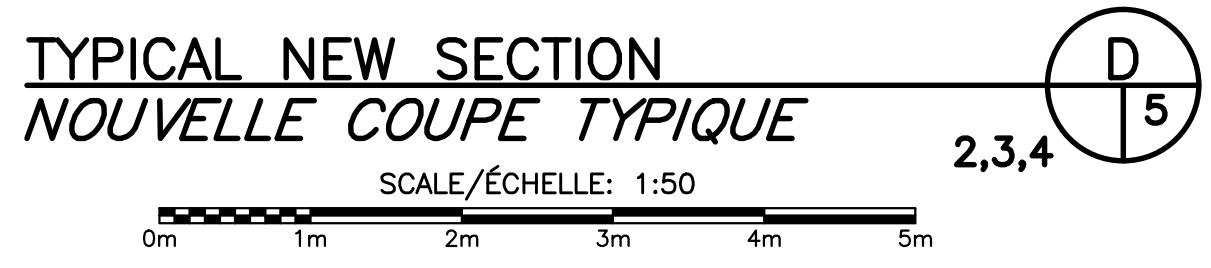


0	ISSUED FOR TENDER	FEB 02 2017
revisions		date
project	project	
WHARF RECONSTRUCTION		
RECONSTRUCTION DU QUAI		
STRUCTURE 404 & 501		
PETIT-CAP, NB		
COMITÉ DE WESTMORLAND COUNTY		
drawing	dessin	
SECTIONS AND ELEVATIONS		
COUPES ET ÉLEVATIONS		
designed	conçu	
date	NOVEMBER/NOVEMBRE 2016	
drawn	L. RIOUX	dessiné
date	NOVEMBER/NOVEMBRE 2016	
approved	approuvé	
date		
Tender	Soumission	
Project Manager	Administrateur de projets	
project number	no. du projet	
721989		
drawing no.	no. du dessin	
M4 of/de M10		



TYPICAL BACKFILL CHART (U.N.O.)
TABLEAU TYPIQUE DE REMBLAI (S.I.C.)

	NEW 200mm COMPACTED GRANULAR BASE (0-33mm) NOUVELLE FONDATION GRANULAIRE 200mm COMPACTÉ (0-33mm)
	NEW 300mm COMPACTED SUB-BASE MATERIAL (20-75mm) NOUVELLE COUCHE 300mm ÉPAIS DE FONDATION COMPACTÉ (20-75mm)
	NEW COMPACTED R5 RANDOM RIP-RAP BACKFILL NOUVEAU REMBLAI EN ROCHES COMPACTÉ R5 PRÉLEVÉ AU HASARD

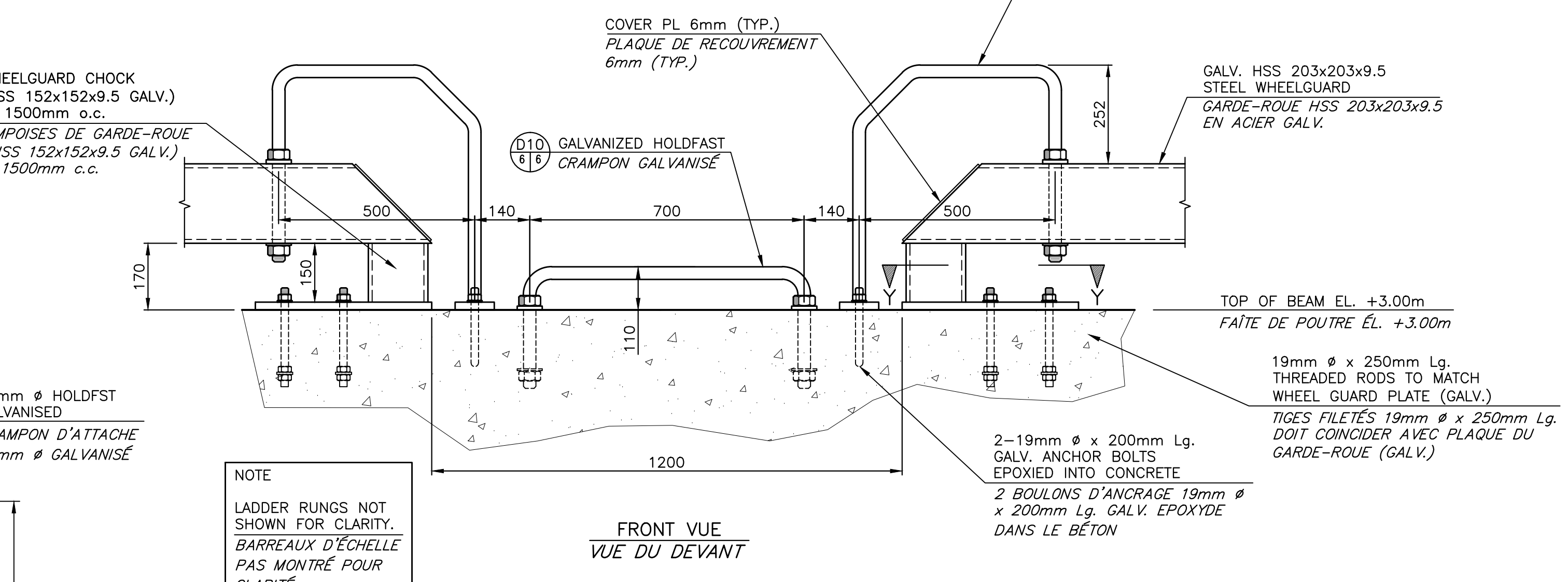
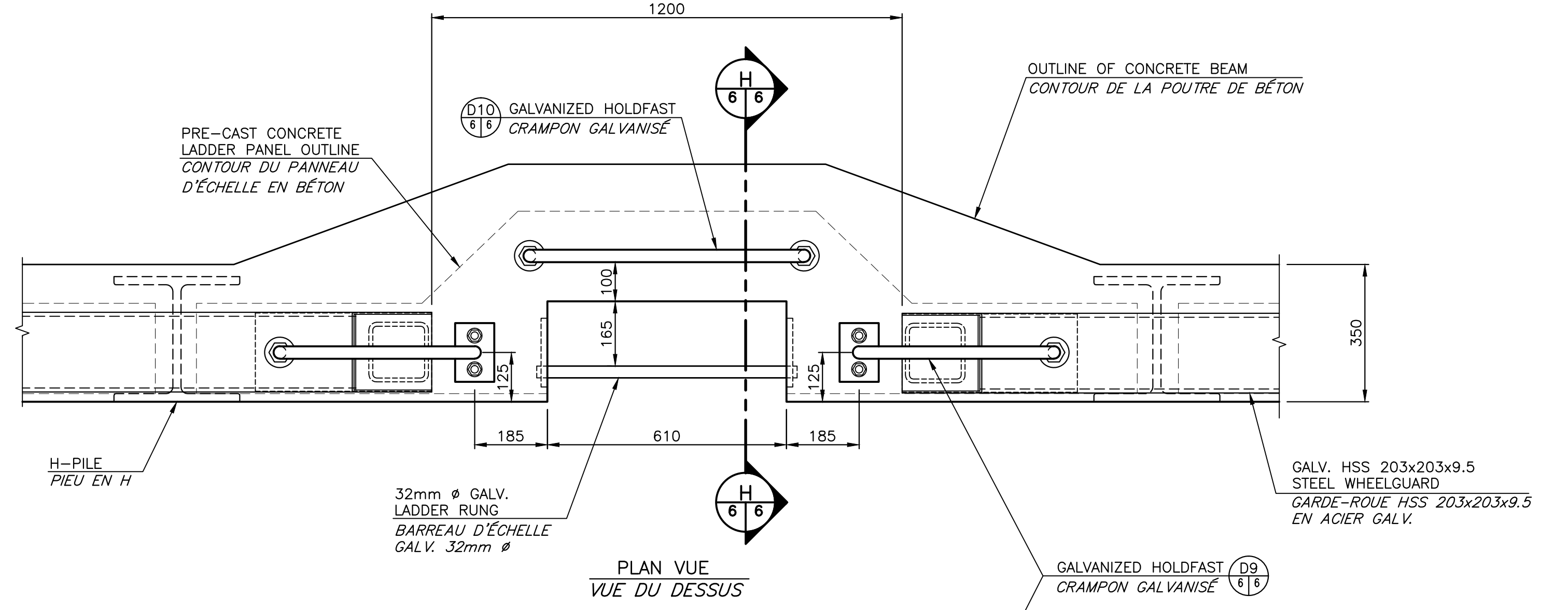
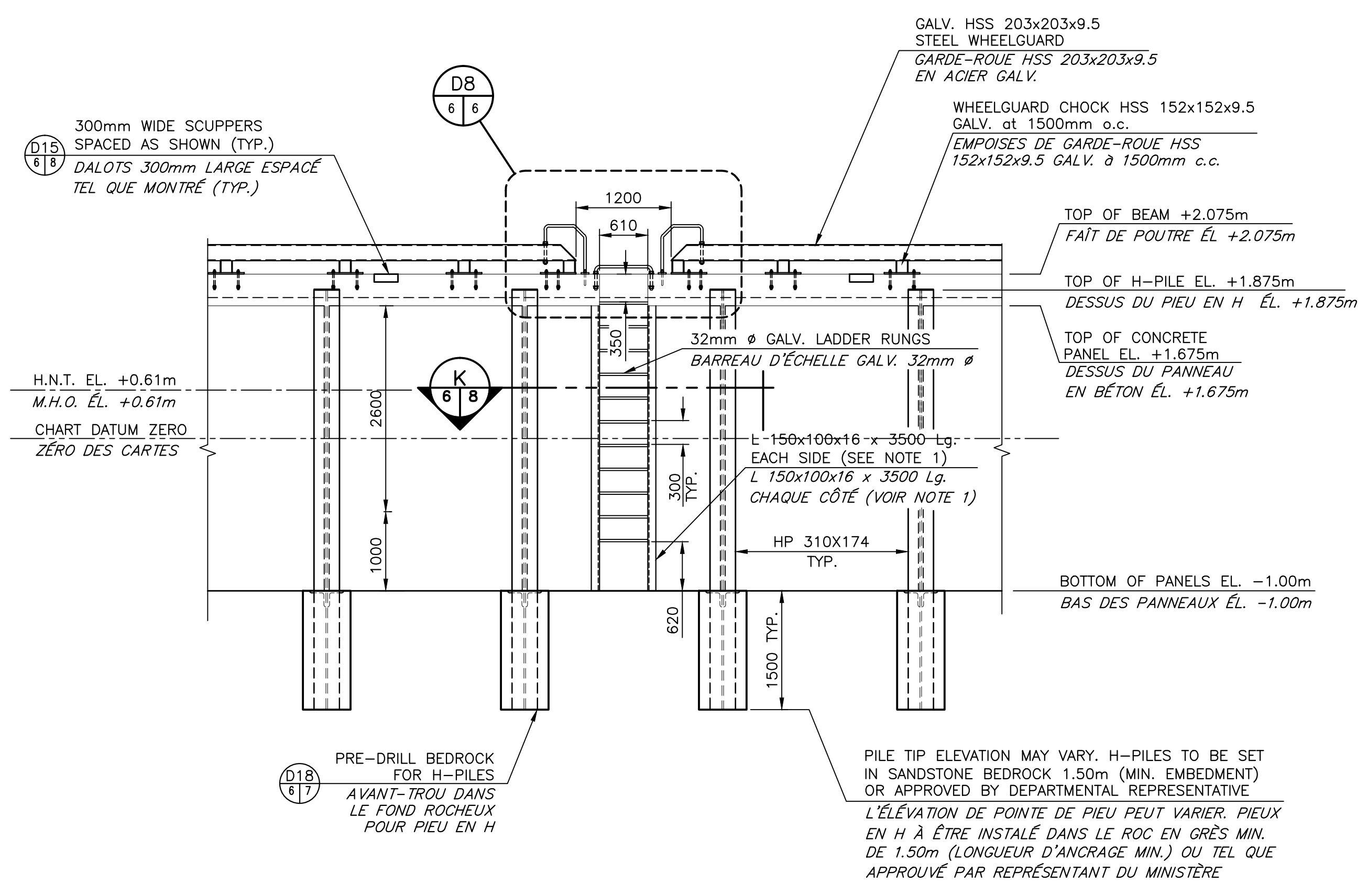
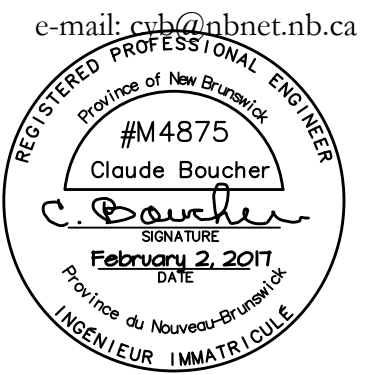


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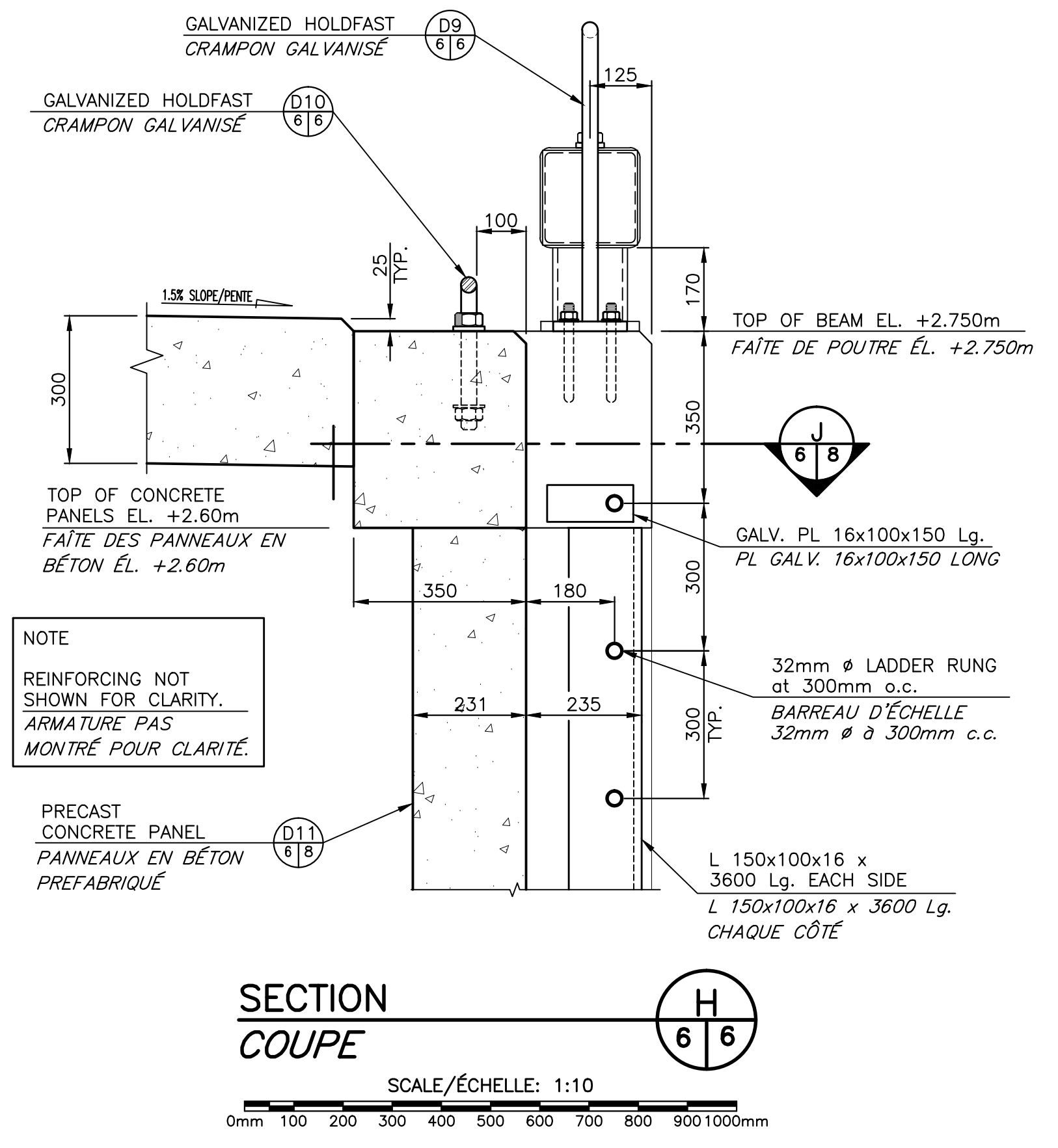
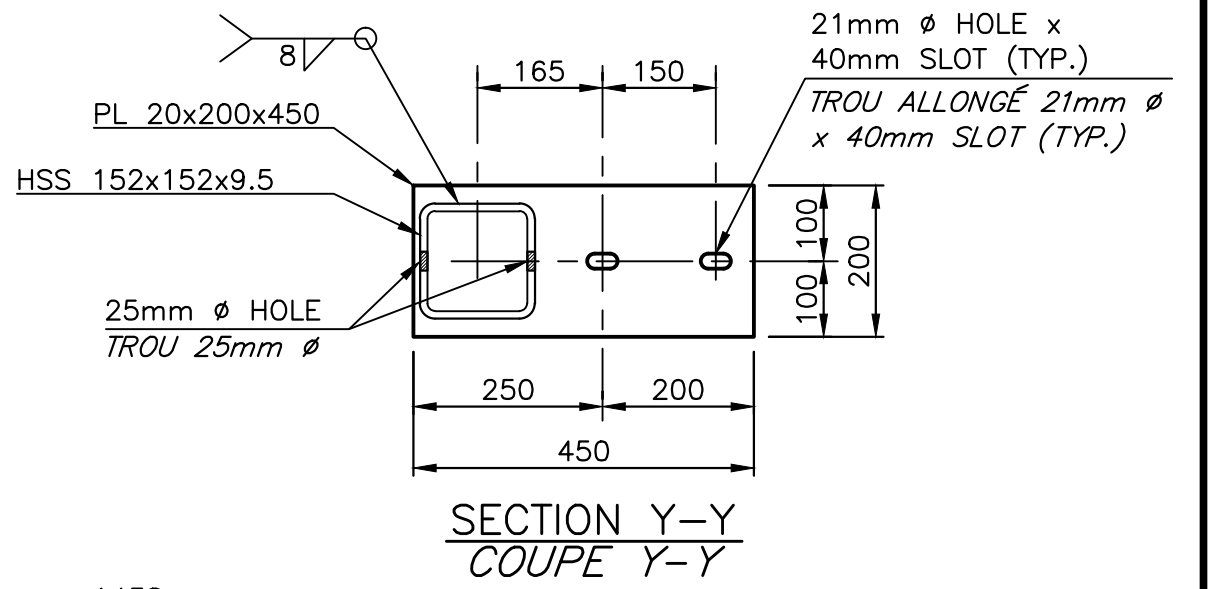
project
WHARF RECONSTRUCTION (RECONSTRUCTION DU QUAI)
STRUCTURE 404 & 501
PETIT-CAP, NB
COMTÉ DE WESTMORLAND COUNTY

SECTIONS AND DETAIL (COUPES ET DÉTAILS)

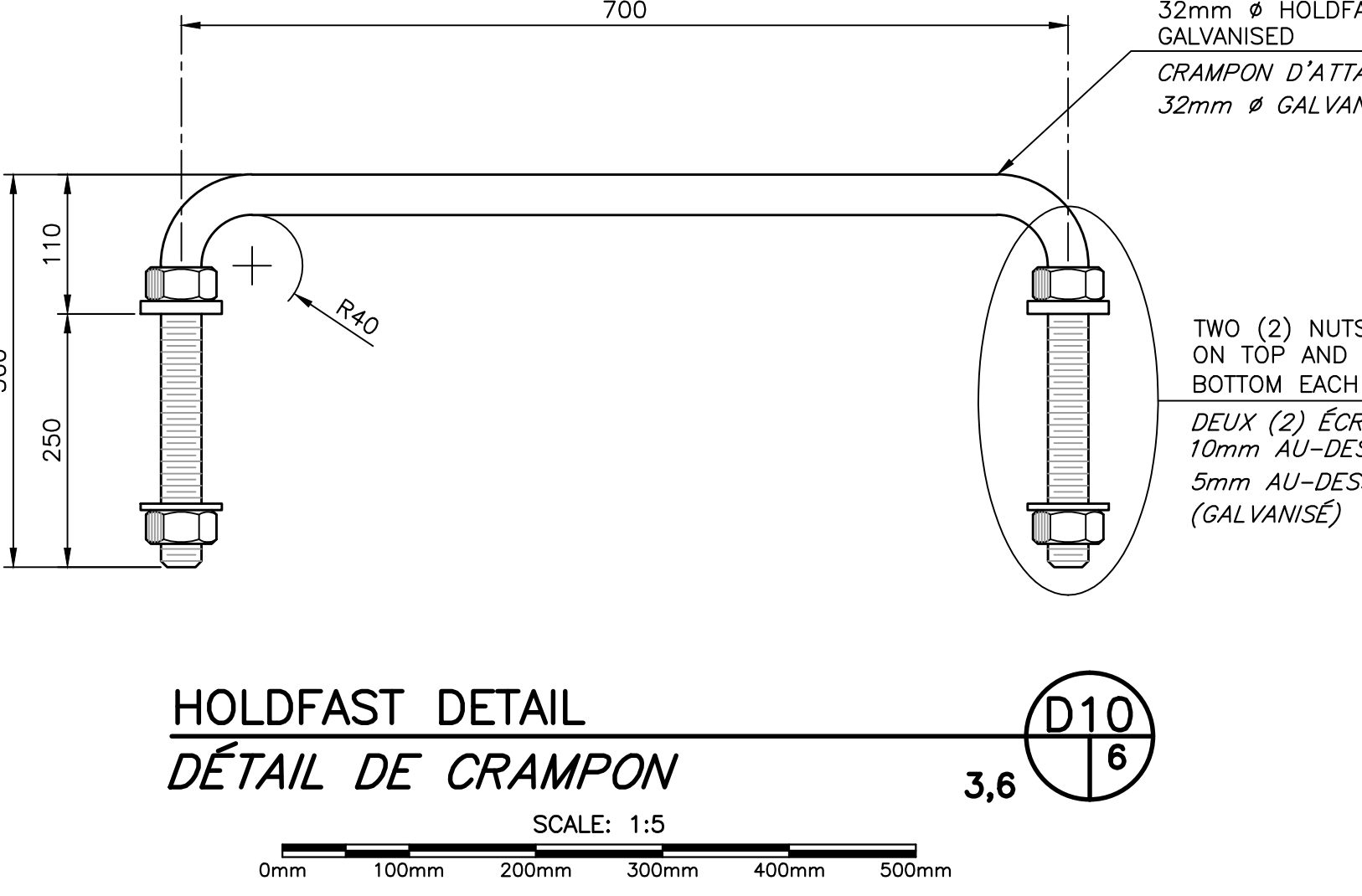
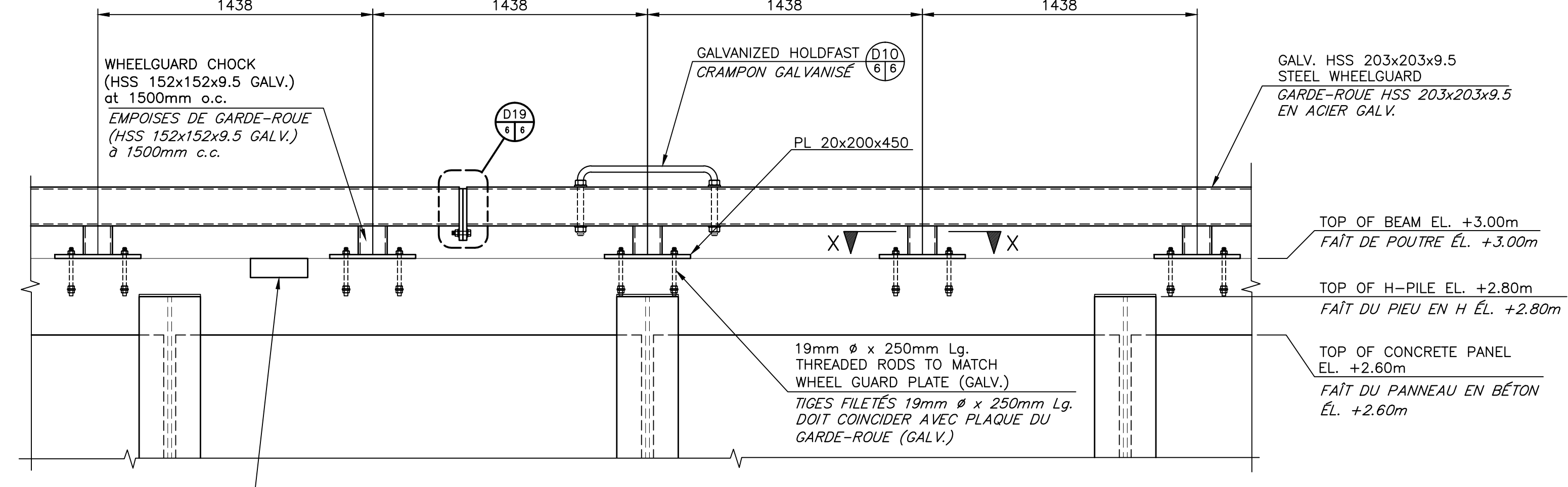
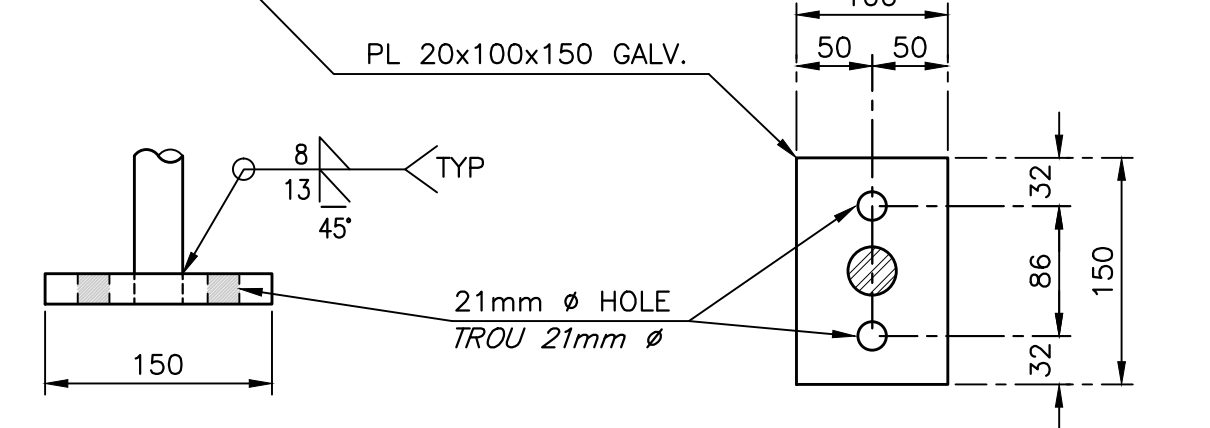
designed	C Y BOUCHER ENG & CONST LTD.	conçu
date	NOVEMBER/NOVEMBRE 2016	
drawn	L. RIOUX	dessiné
date	NOVEMBER/NOVEMBRE 2016	
approved		approuvé
date		
Tender		Submission
Project Manager	Administrateur de projets	
project number	721989	no. du projet
drawing no.	M5 of/de M10	no. du dessin



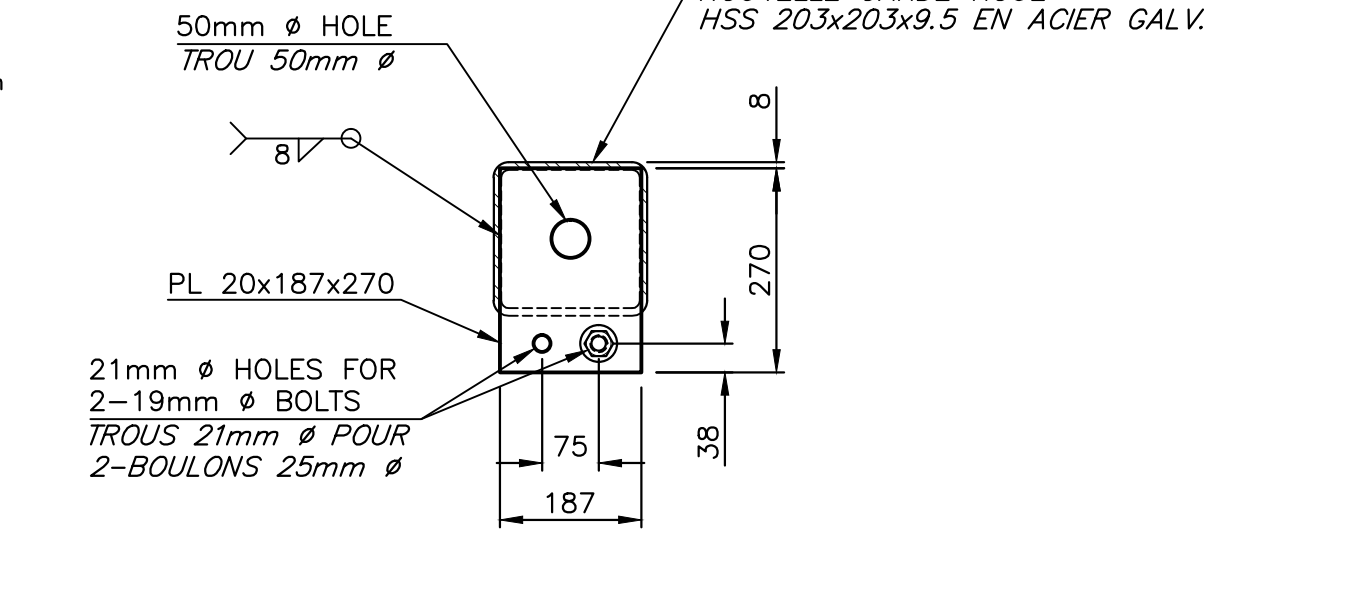
HOLDFAST DETAIL AT LADDERS
DÉTAIL DE CRAMPON AUX ÉCHELLES
SCALE/ÉCHELLE: 1:10



HOLDFAST DETAIL
DÉTAIL DE CRAMPON
SCALE: 1:5



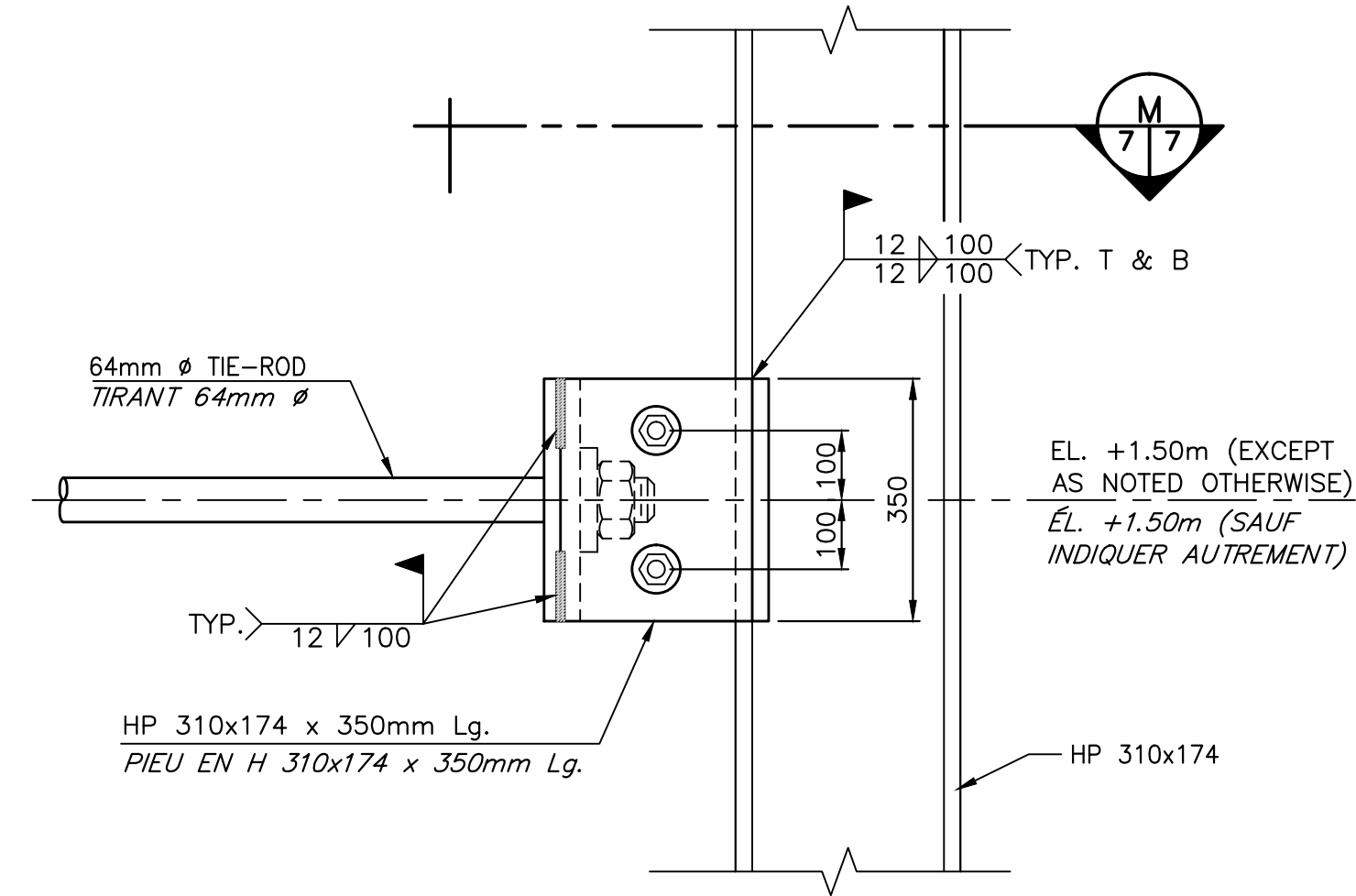
WHEEL GUARD SPLICE DETAIL
DÉTAIL DE RACCORD DE GARDE-ROUE
SCALE/ÉCHELLE: 1:10



0	ISSUED FOR TENDER	FEB 02 2017
revisions		date
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WHARF RECONSTRUCTION		
RECONSTRUCTION DU QUAI		
STRUCTURE 404 & 501		
PETIT-CAP, NB		
COMITÉ DE WESTMORLAND COUNTY		
drawing	design	

SECTIONS AND DETAILS
COUPES ET DÉTAILS

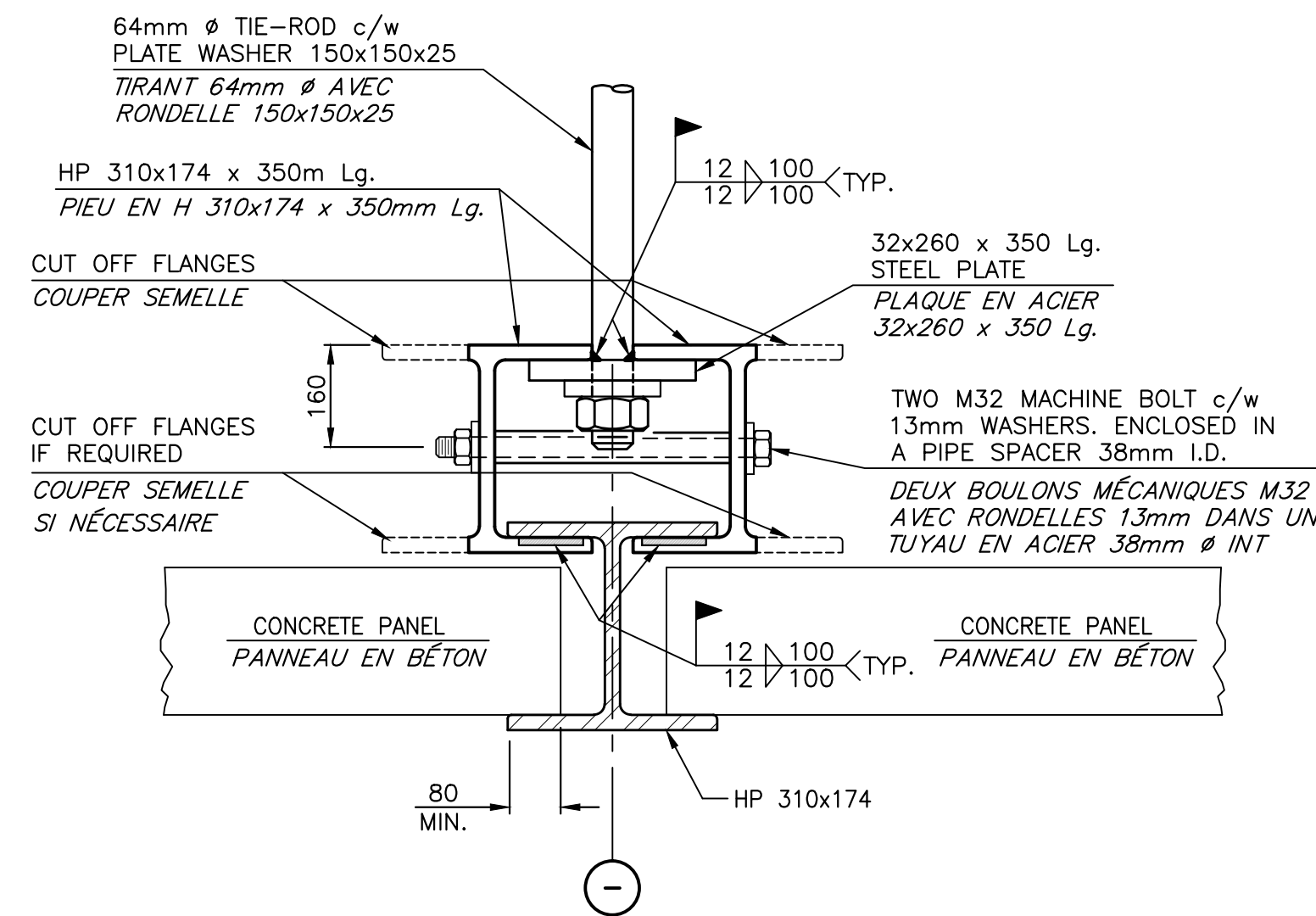
designed	C Y BOUCHER ENG & CONST LTD.	conçu
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Tender		Submission
Project Manager	Administrateur de projets	
project number	721989	no. du projet
drawing no.	M6 of/de M10	no. du dessin



TIE-ROD TO H-PILE CONNECTION DETAIL
DÉTAIL DE CONNECTION DE TIRANT AU PIEU EN H

SCALE/ÉCHELLE: 1:10
 0mm 100 200 300 400 500 600 700 800 900 1000mm

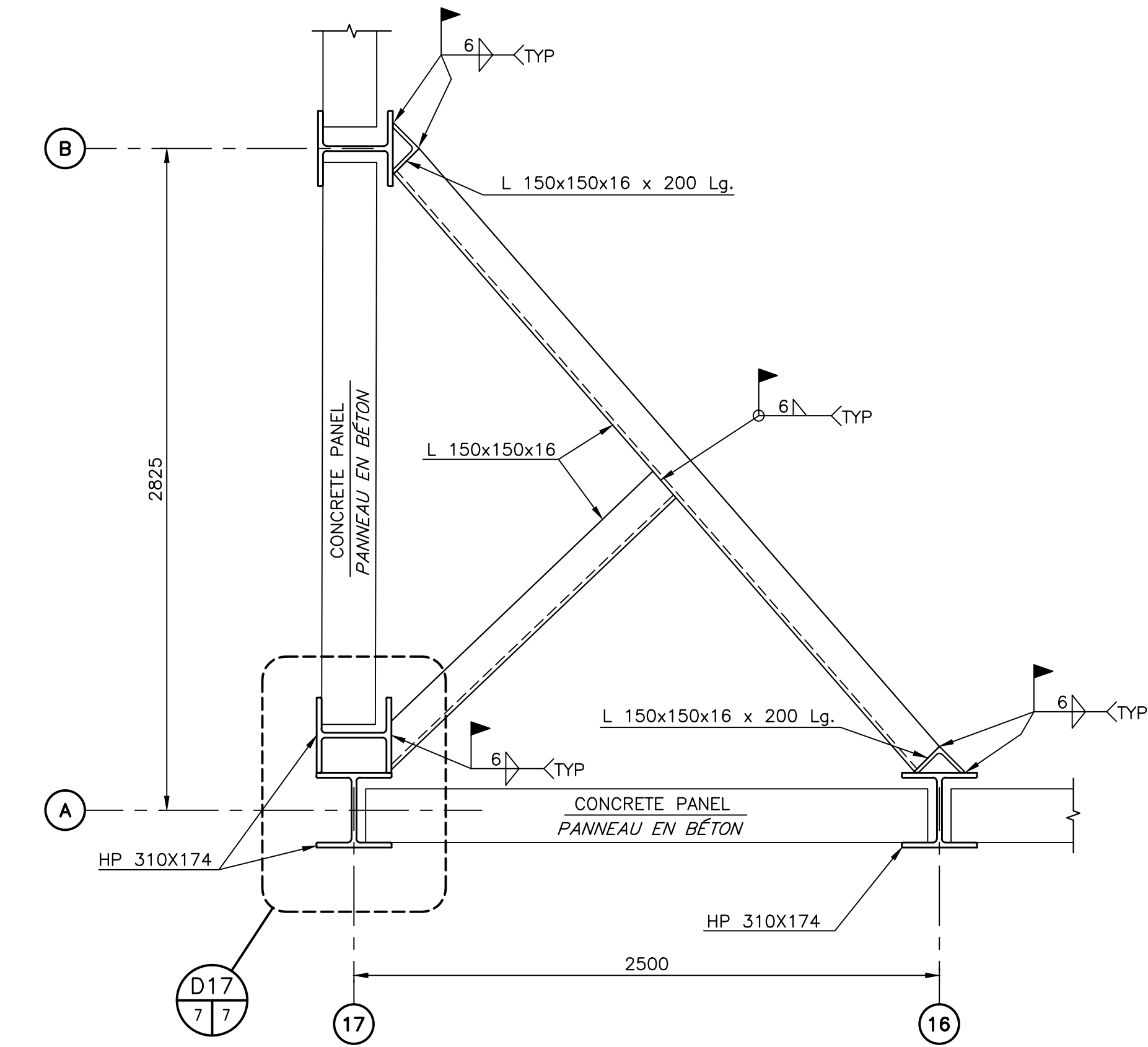
D2
 2/7



TYPICAL SECTION
COUPE TYPIQUE

SCALE/ÉCHELLE: 1:10
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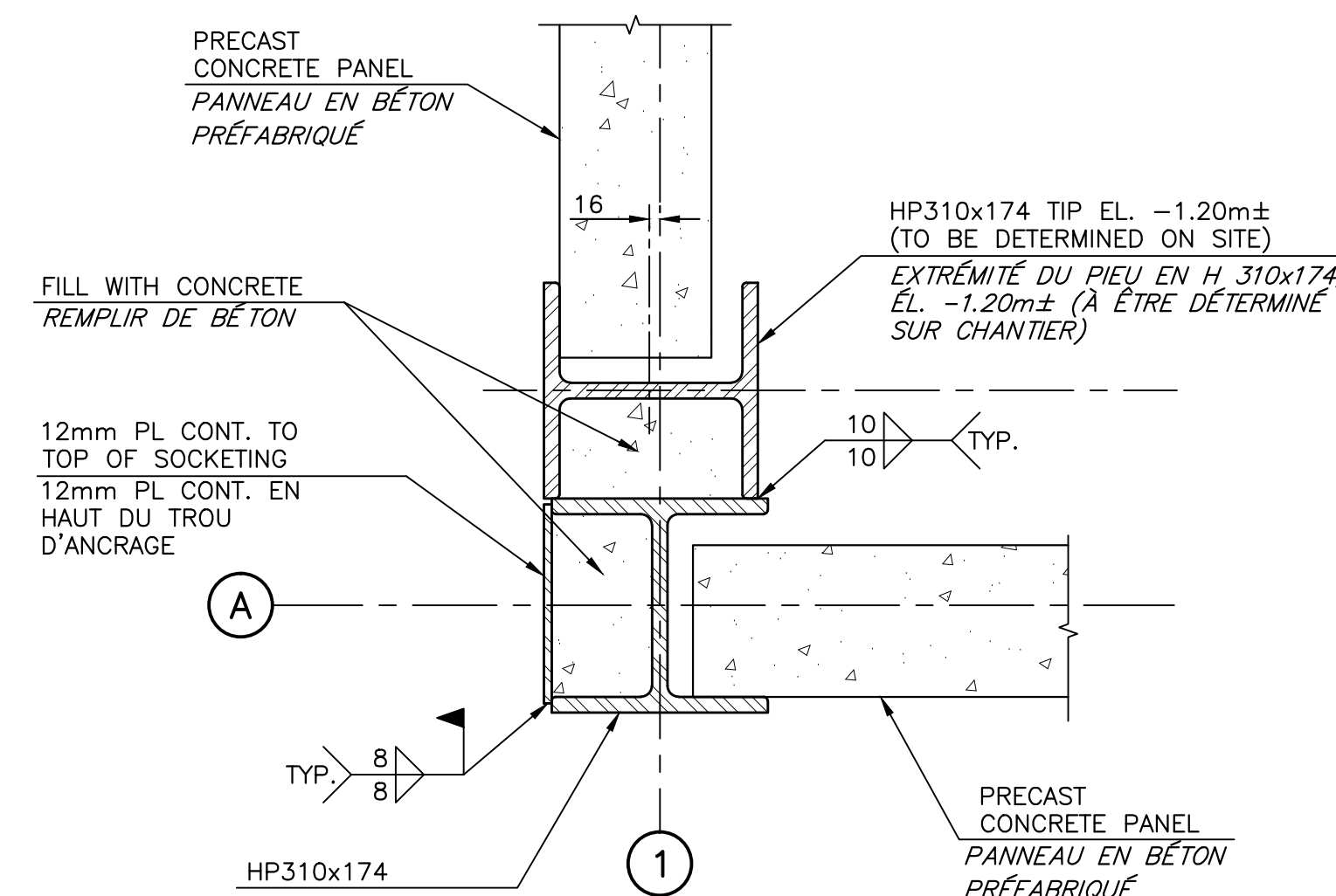
M
 7/7



CORNER BRACE TYPICAL DETAIL at EL. +1.30m
DÉTAIL TYPIQUE D'ATTACHE DE COIN à ÉL. +1.30m

SCALE/ÉCHELLE: 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm

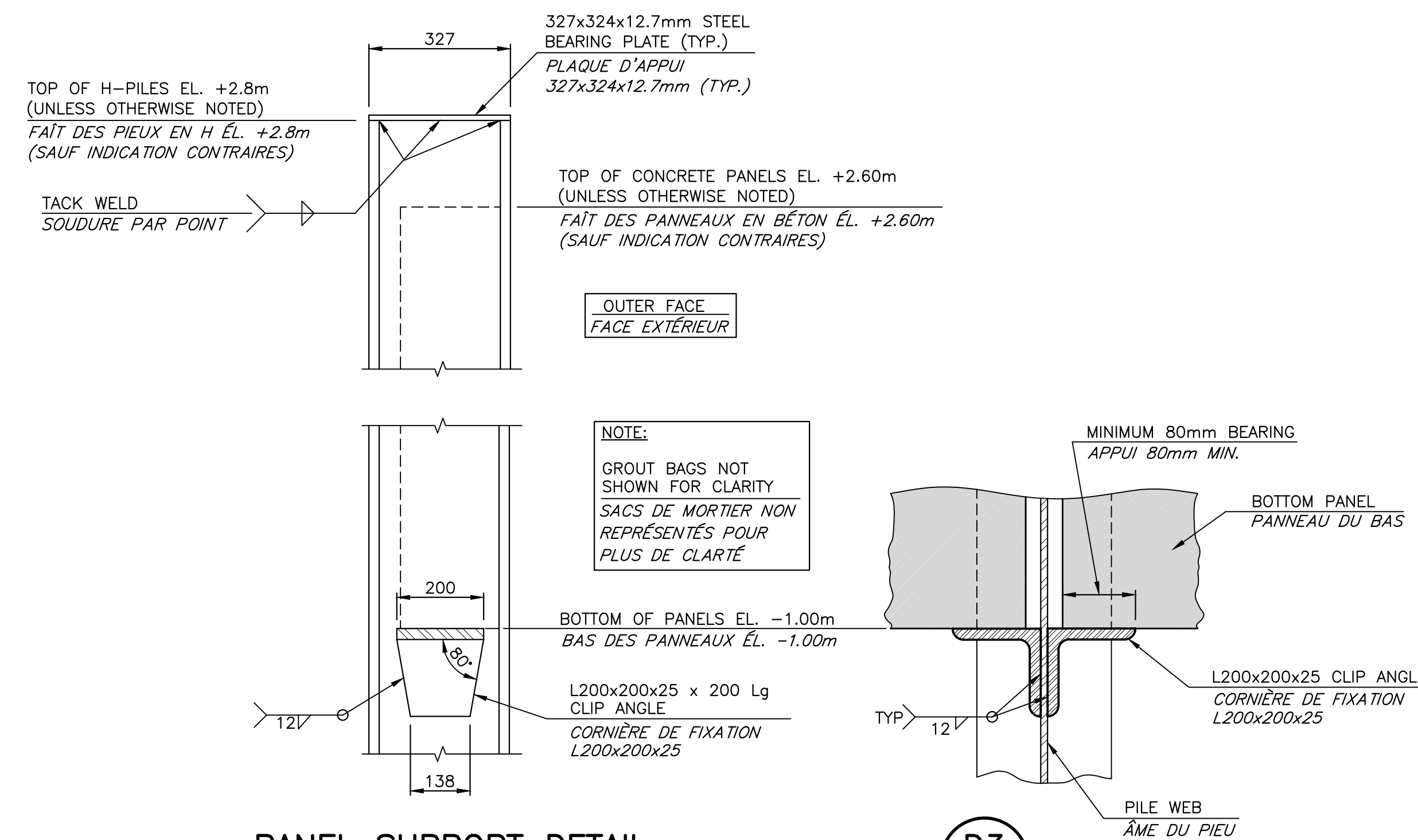
D5
 3/7



TYPICAL OUTSIDE CORNER DETAIL
DÉTAIL DE COIN EXTÉRIEUR TYPIQUE

SCALE/ÉCHELLE: 1:10
 0mm 100 200 300 400 500 600 700 800 900 1000mm

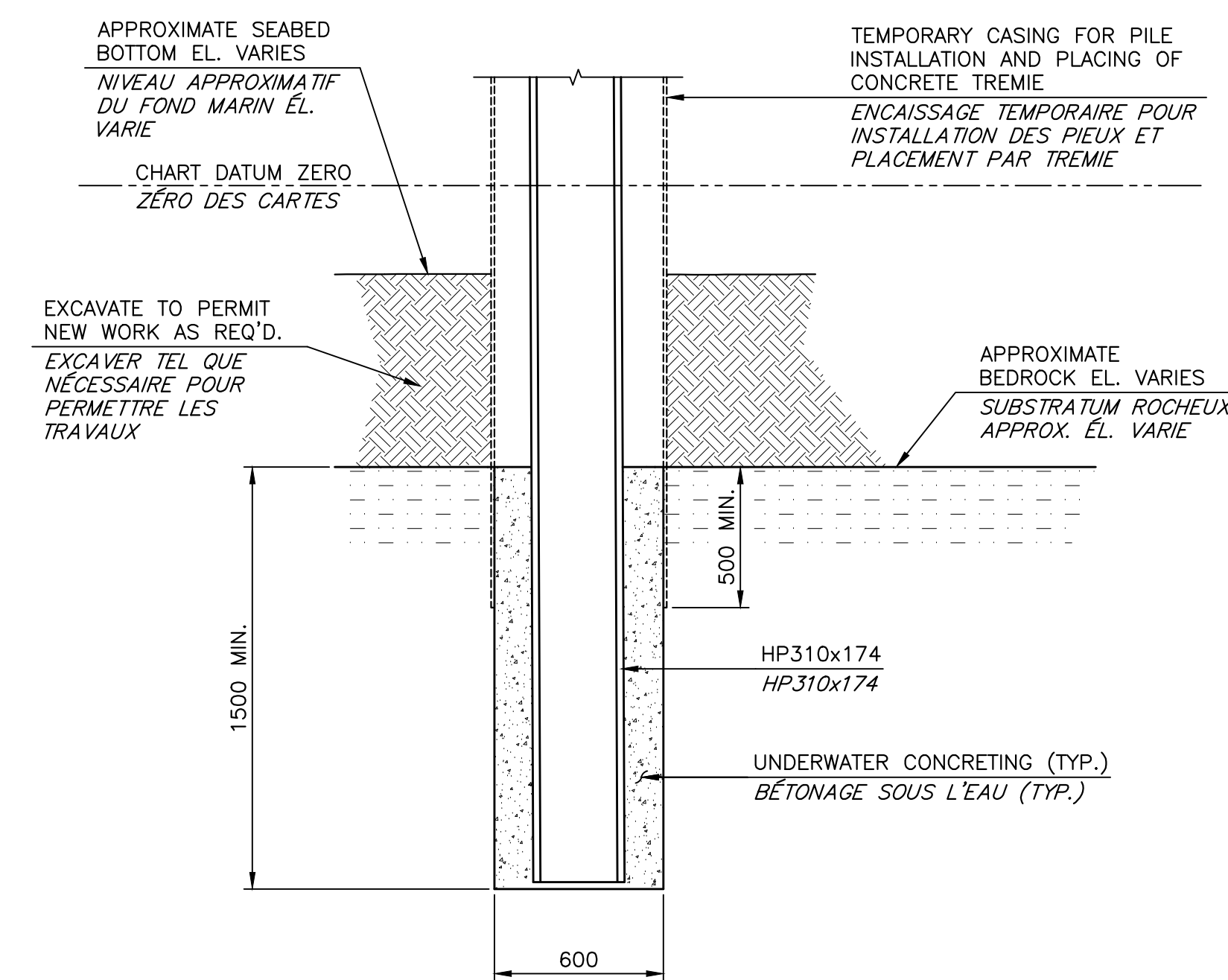
D17
 7/7



PANEL SUPPORT DETAIL
DÉTAIL DE SUPPORT POUR PANNEAU

SCALE/ÉCHELLE: 1:10
 0mm 100 200 300 400 500 600 700 800 900 1000mm

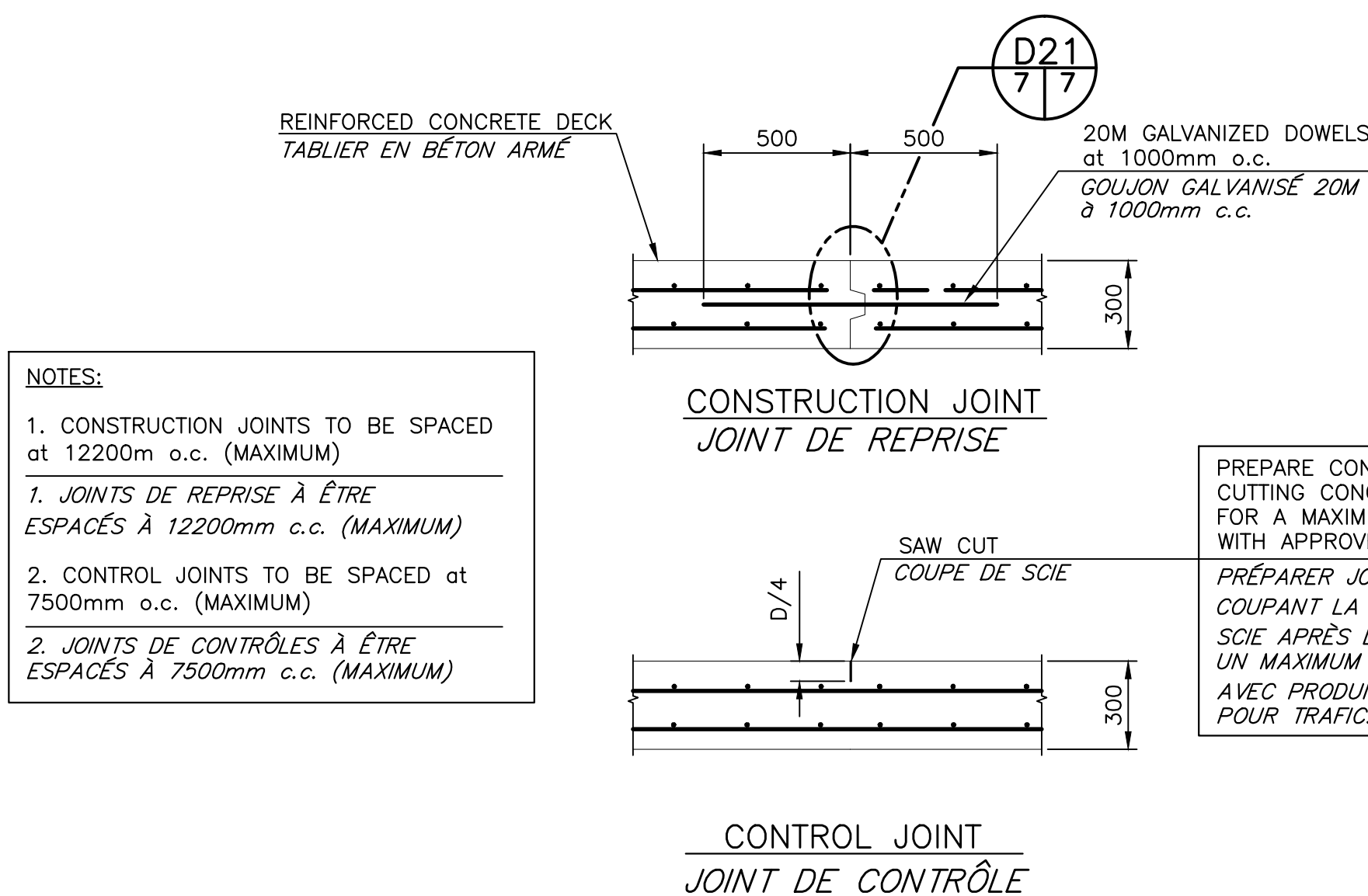
D3
 2/7



ROCK SOCKETING DETAIL
DÉTAIL DE TROU D'ANCRAGE AU ROC

SCALE/ÉCHELLE: 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm

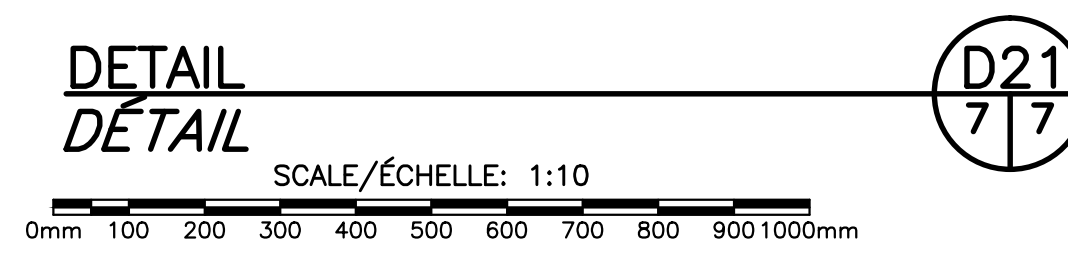
D18
 7/7



TYPICAL JOINT DETAILS FOR DECK
DÉTAILS DE JOINTS POUR TABLIER TYPIQUE

SCALE/ÉCHELLE: 1:20
 0mm 500mm 1000mm 1500mm 2000mm 2500mm

D20
 2/7



DETAIL
DÉTAIL

SCALE/ÉCHELLE: 1:10
 0mm 100 200 300 400 500 600 700 800 900 1000mm

D21
 7/7

0	ISSUED FOR TENDER	FEB 02 2017
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revisions		date
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project		projet
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WHARF RECONSTRUCTION
RECONSTRUCTION DU QUAI

STRUCTURE 404 & 501
 PETIT-CAP, NB

COMITÉ DE WESTMORLAND COUNTY

drawing		dessin
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SECTIONS AND DETAILS
COUPES ET DÉTAILS

designed C Y BOUCHER ENG & CONST LTD. conçu

date NOVEMBER/NOVEMBRE 2016

drawn L. RIOUX dessiné

date NOVEMBER/NOVEMBRE 2016

approved _____ approuvé

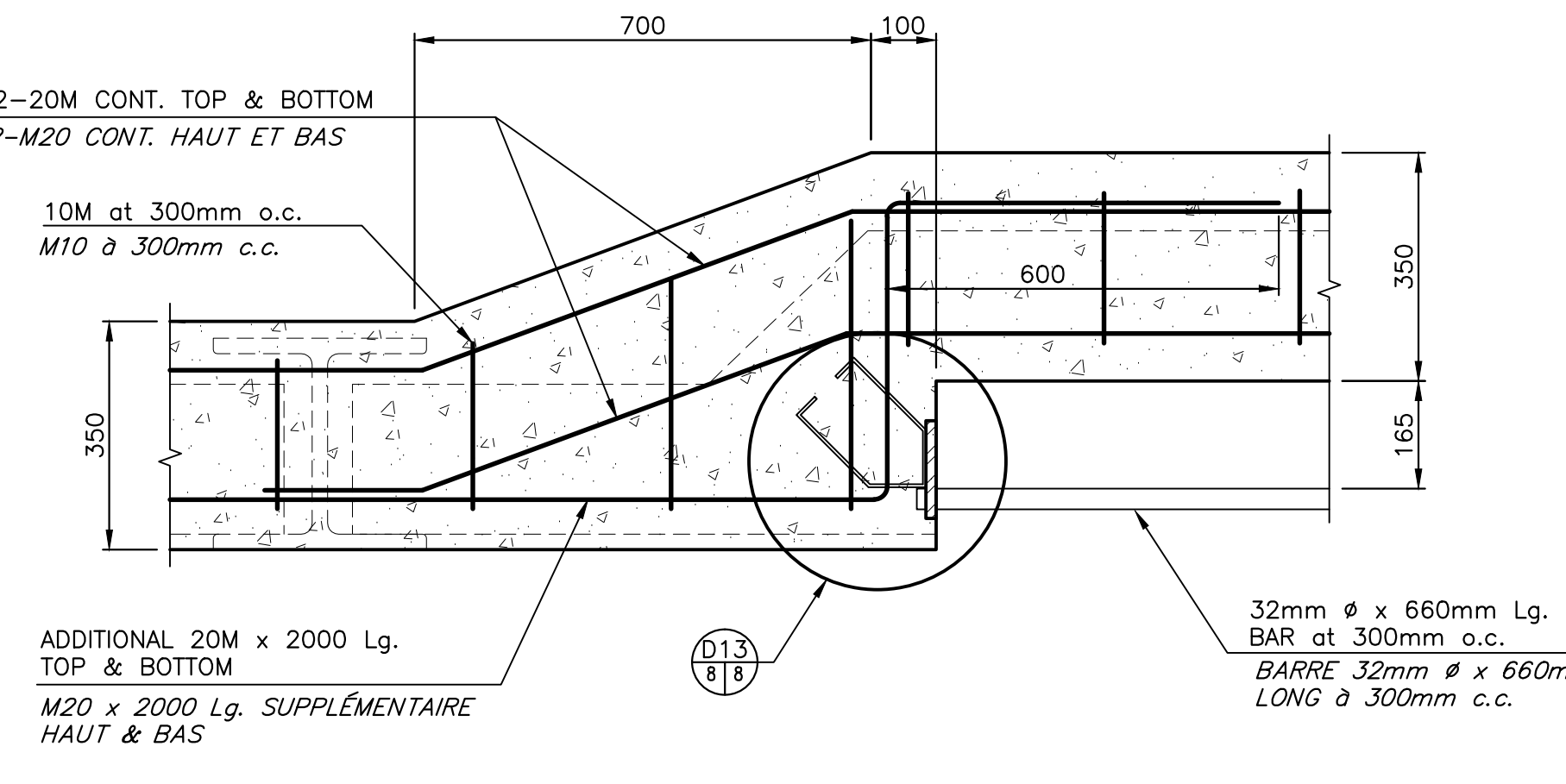
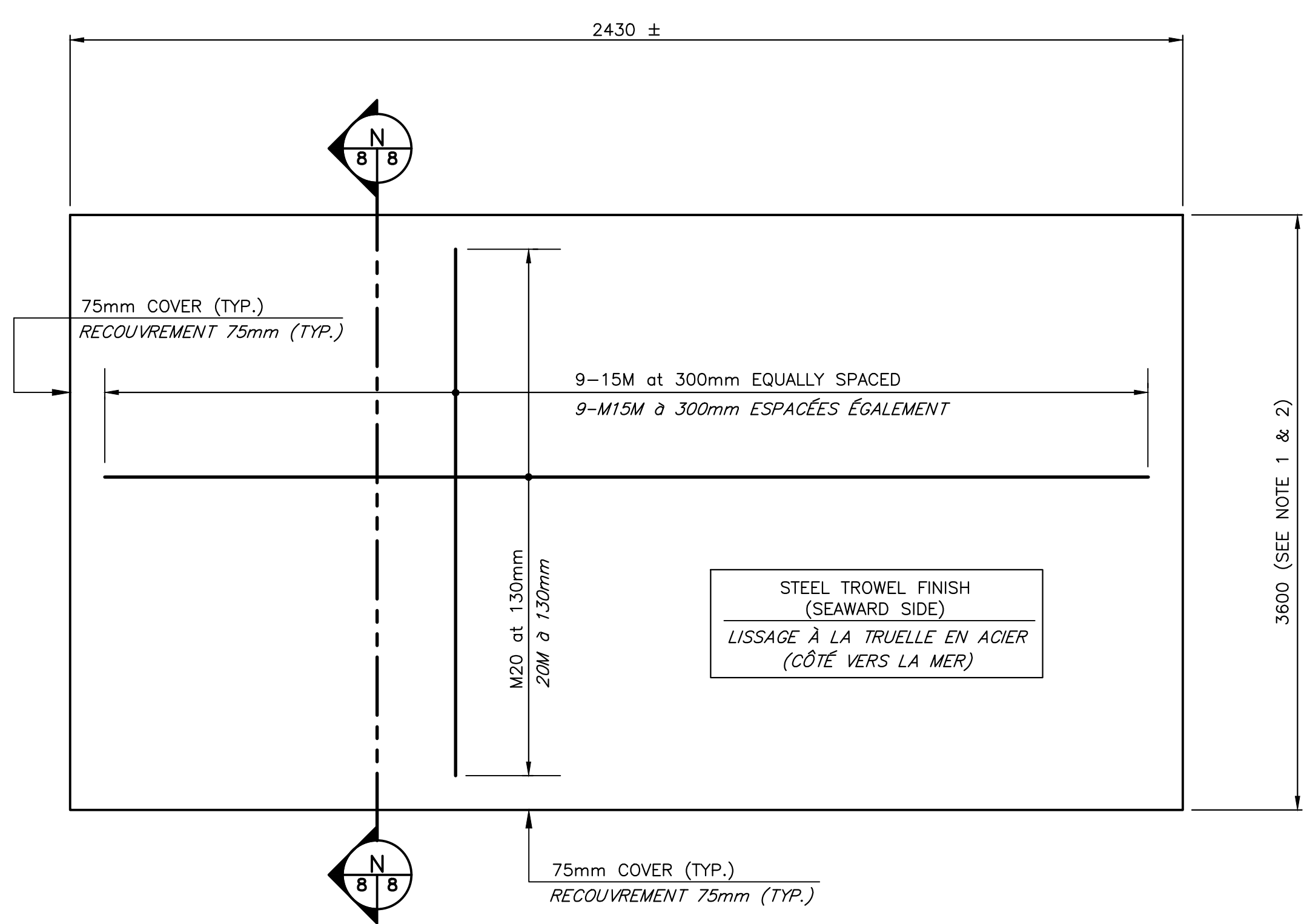
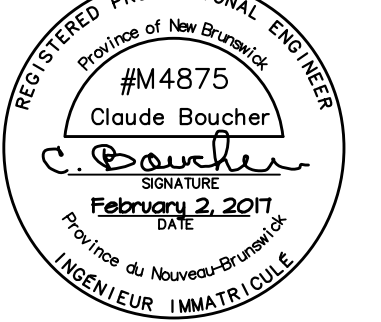
date _____

Tender _____ Soumission

Project Manager _____ Administrateur de projets

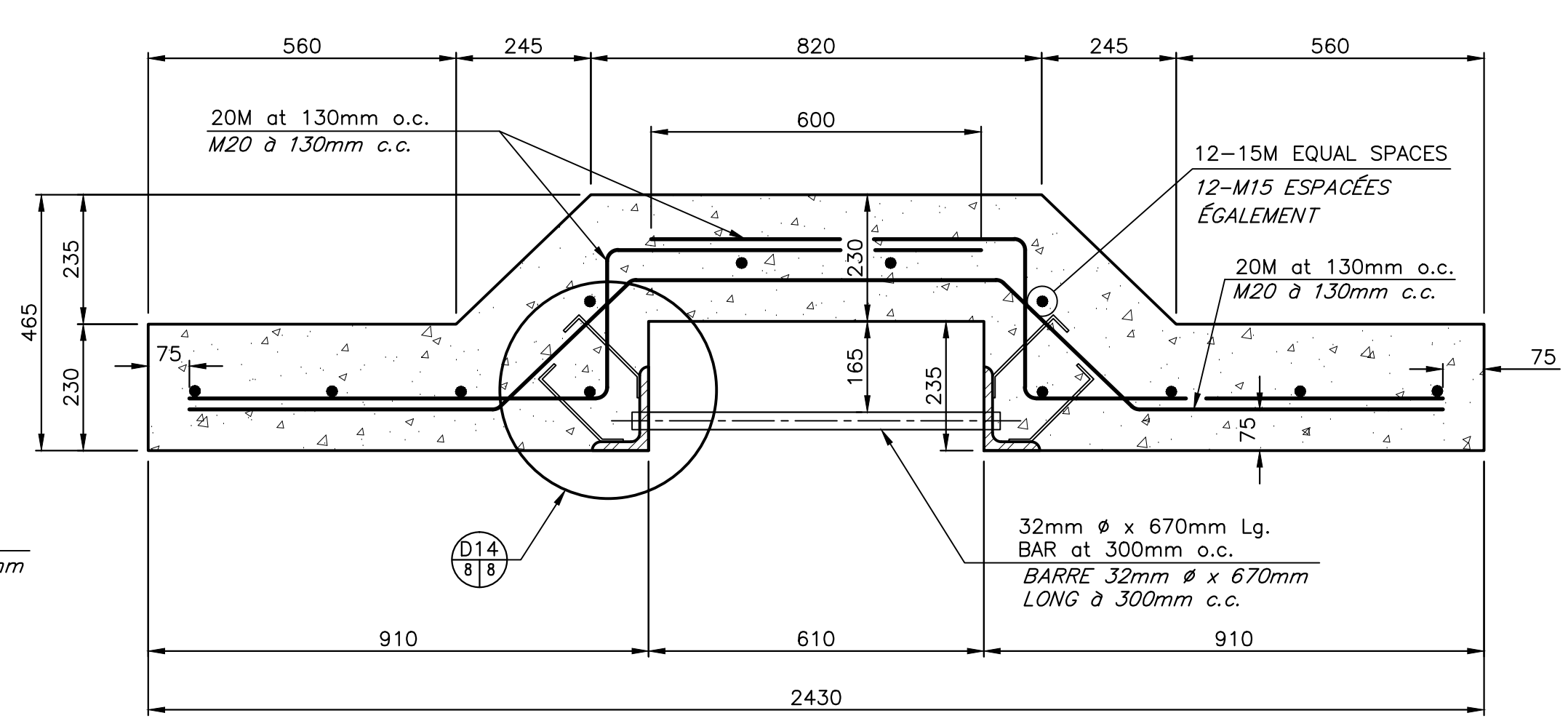
project number 721989 no. du projet

drawing no. M7 of/de M10 no. du dessin



SECTION AT BEAM ELEVATION
COUPE À L'ÉLEVATION DE LA POUTRE

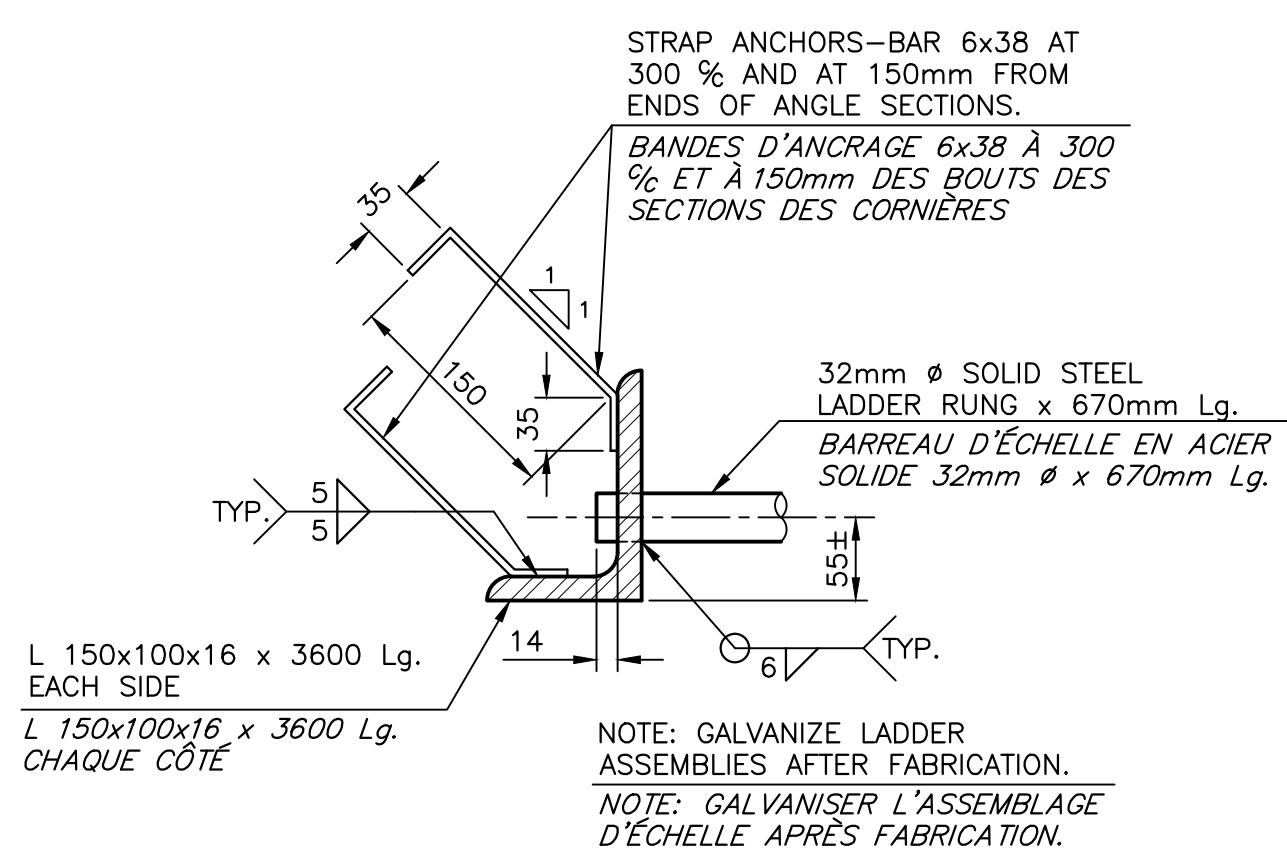
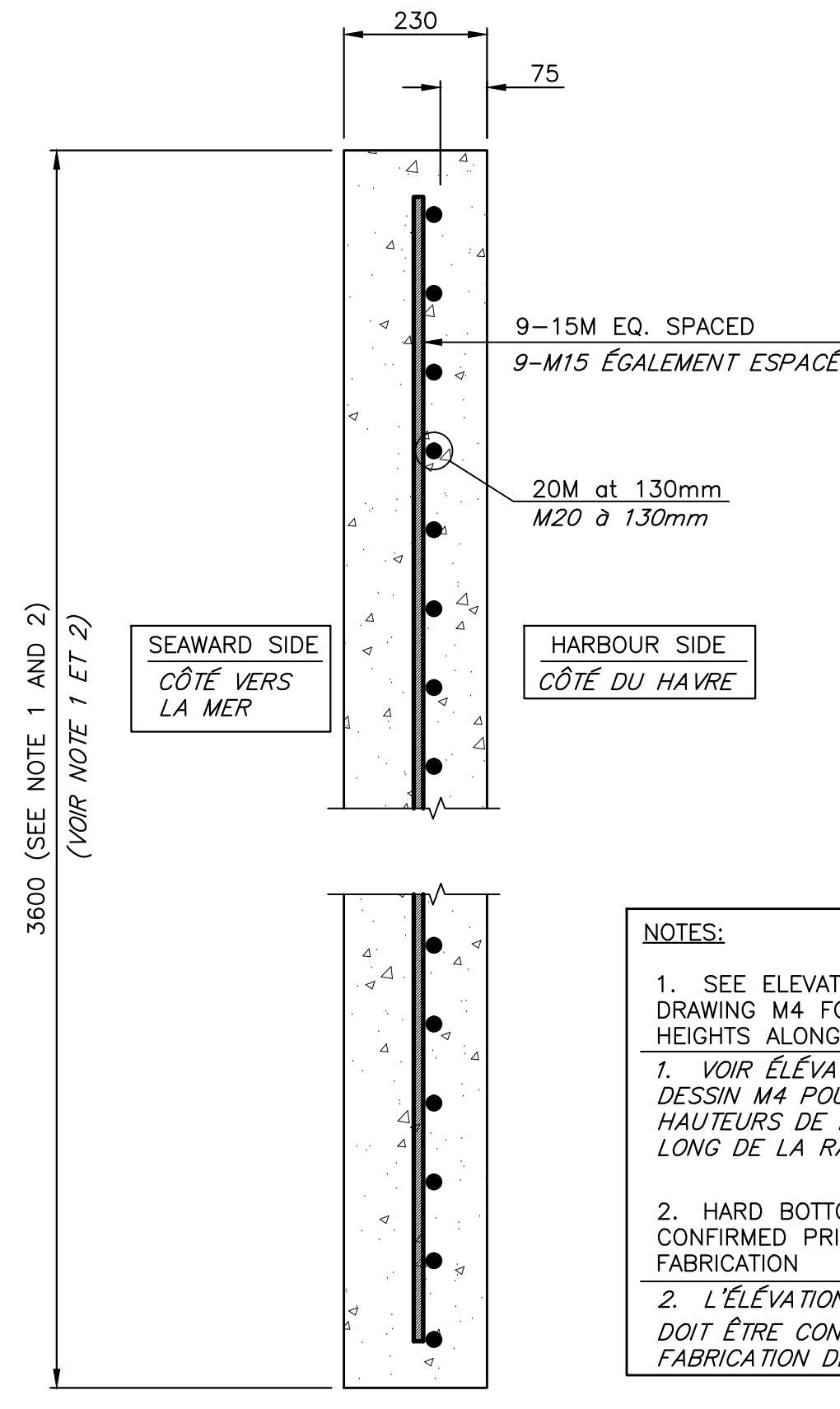
SCALE/ÉCHELLE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



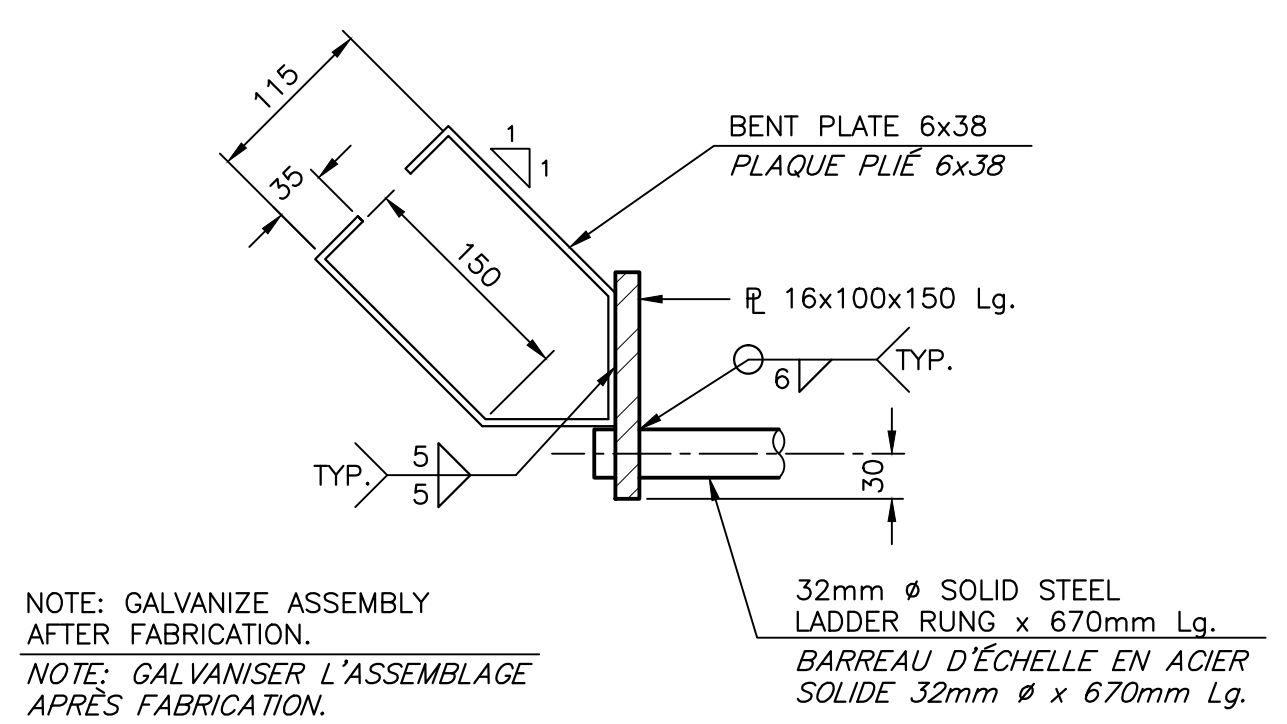
SECTION THRU LADDER PANEL
COUPE AU TRAVERS D'UN PANNEAU AVEC ÉCHELLE

SCALE/ÉCHELLE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm

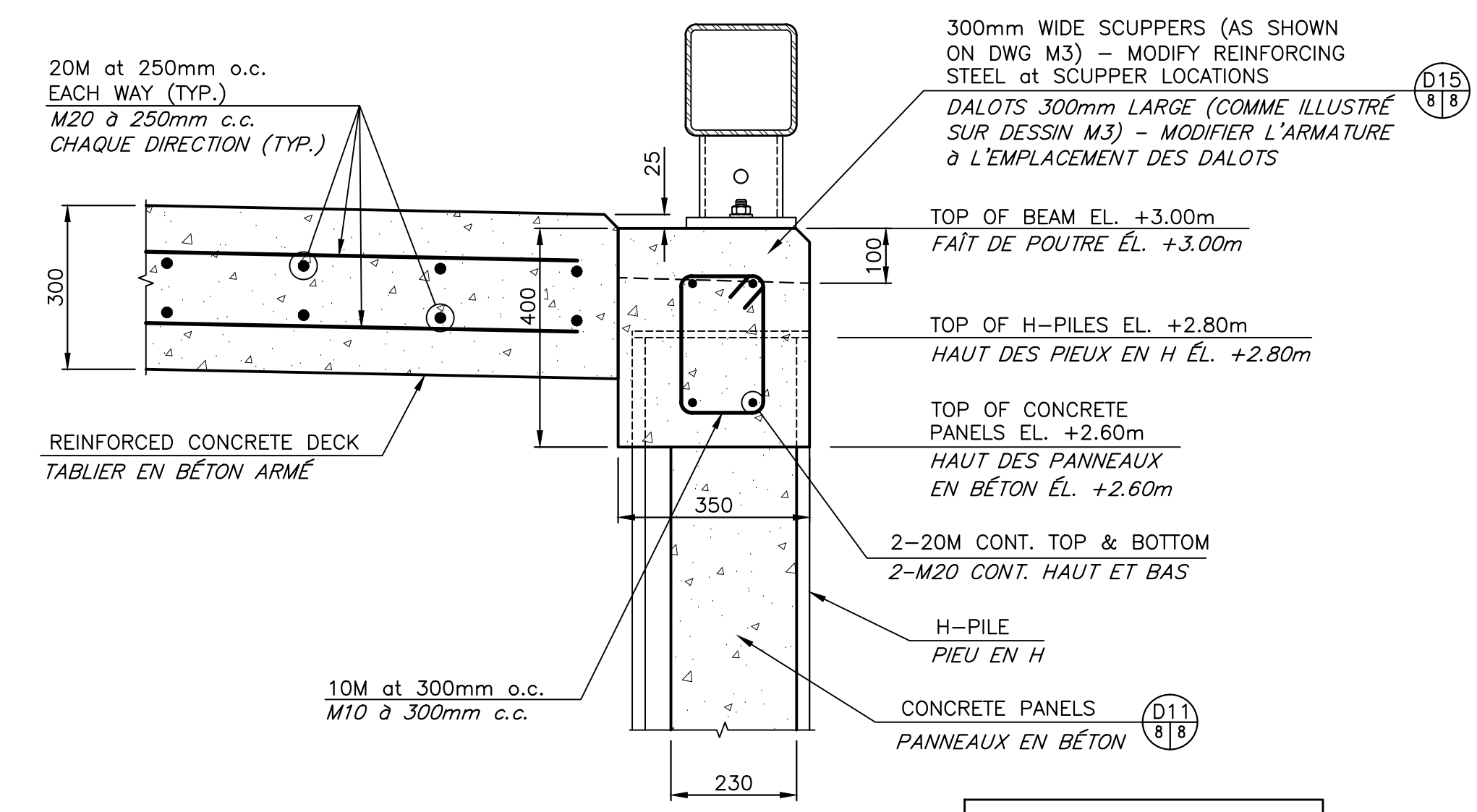
PANEL DETAIL
DÉTAIL DU PANNEAU
SCALE/ÉCHELLE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



DETAIL
DÉTAIL
SCALE/ÉCHELLE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



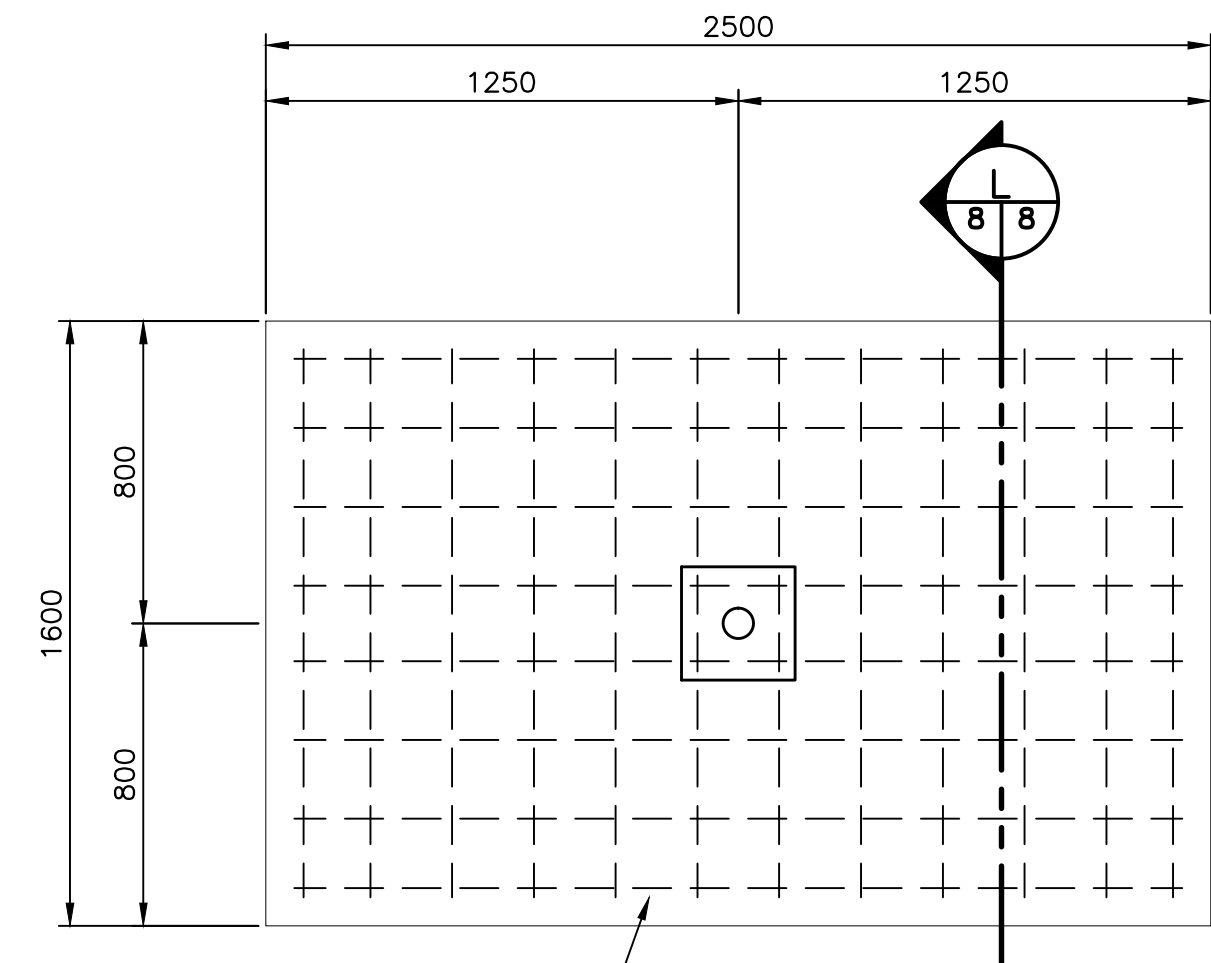
DETAIL
DÉTAIL
SCALE/ÉCHELLE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm



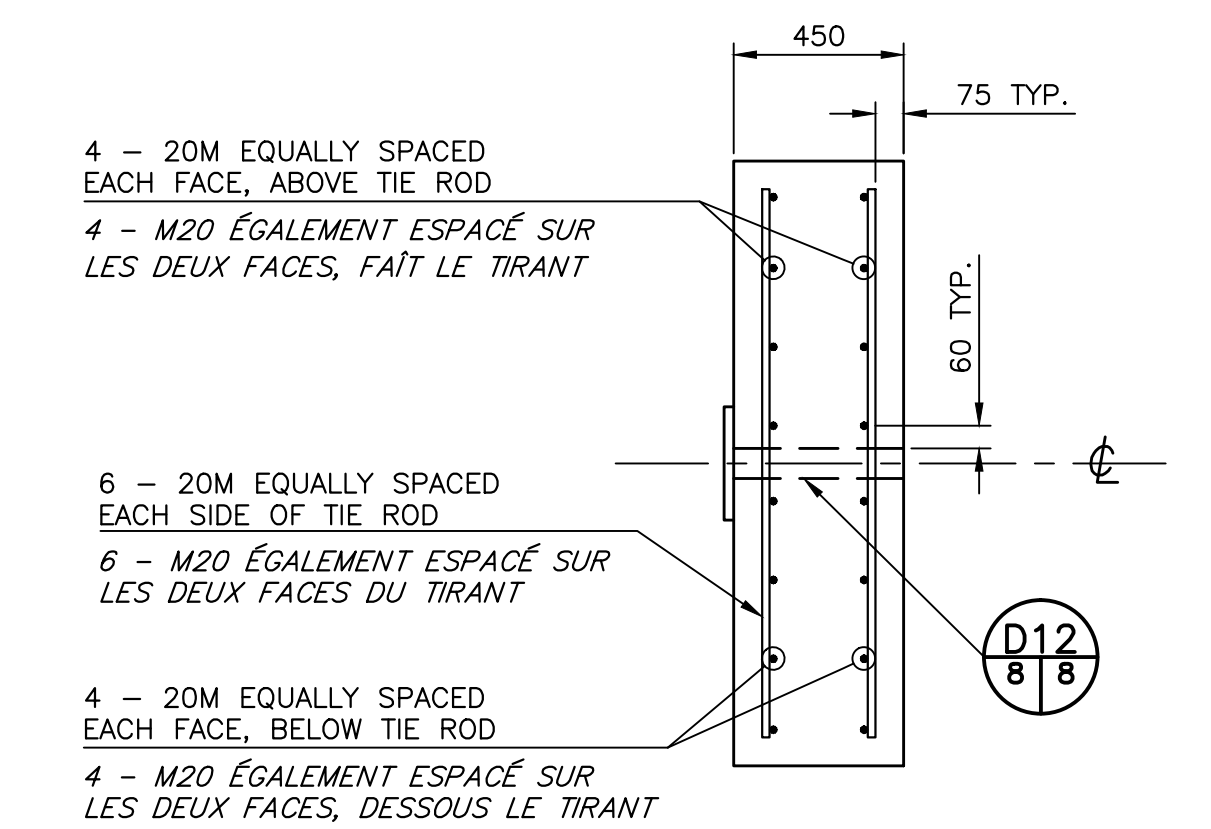
DETAIL
DÉTAIL
SCALE/ÉCHELLE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTE
ALL REINFORCING STEEL TO HAVE 75mm COVER UNLESS NOTED OTHERWISE
TOUS ARMATURE EN ACIER À AVOIR UN RECOUVREMENT DE 75mm SAUF INDICATION CONTRAIRE

NOTES:
1. SEE ELEVATION E2 ON DRAWING M4 FOR OTHER PANEL HEIGHTS ALONG RAMP
1. VOIR ÉLEVATION E2 SUR DESSIN M4 POUR AUTRES HAUTEURS DE PANNEAUX LE LONG DE LA RAMP
2. HARD BOTTOM ELEV. TO BE CONFIRMED PRIOR TO PANEL FABRICATION
2. L'ÉLEVATION DU FOND DUR DOIT ÊTRE CONFIRMÉE AVANT LA FABRICATION DES PANNEAUX

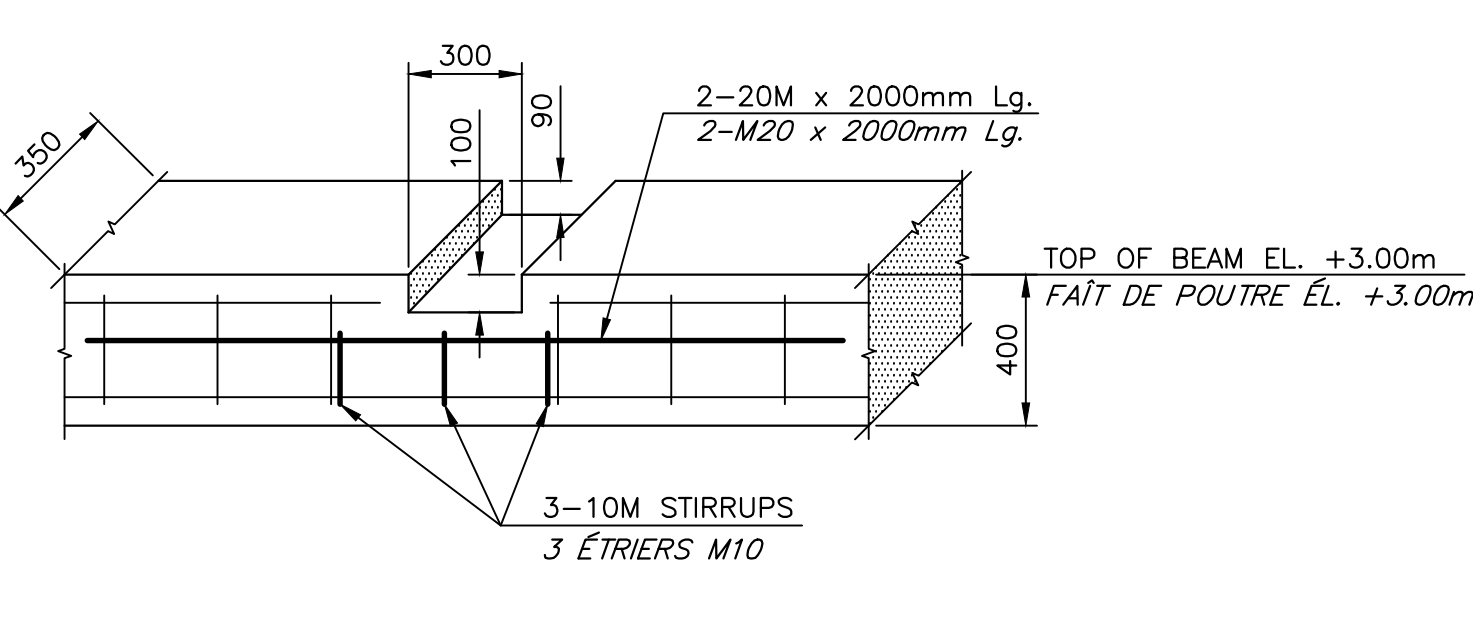


PRECAST REINFORCED CONCRETE ANCHOR BLOCK DETAIL
BLOC D'ANCRAGE EN BÉTON ARMÉ PRÉFABRIQUÉ
SCALE/ÉCHELLE: 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

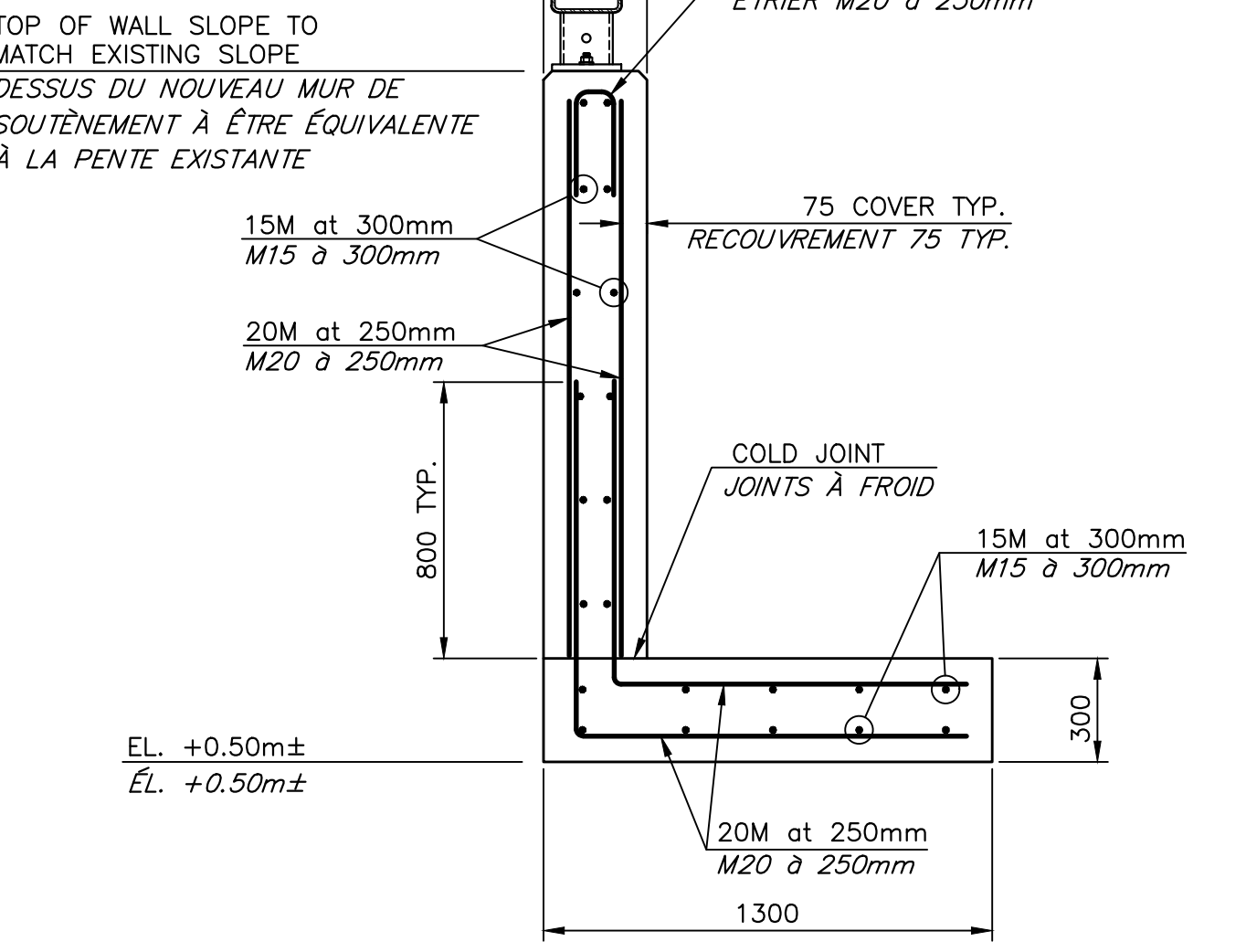


SECTION
COUPE
SCALE/ÉCHELLE: 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm

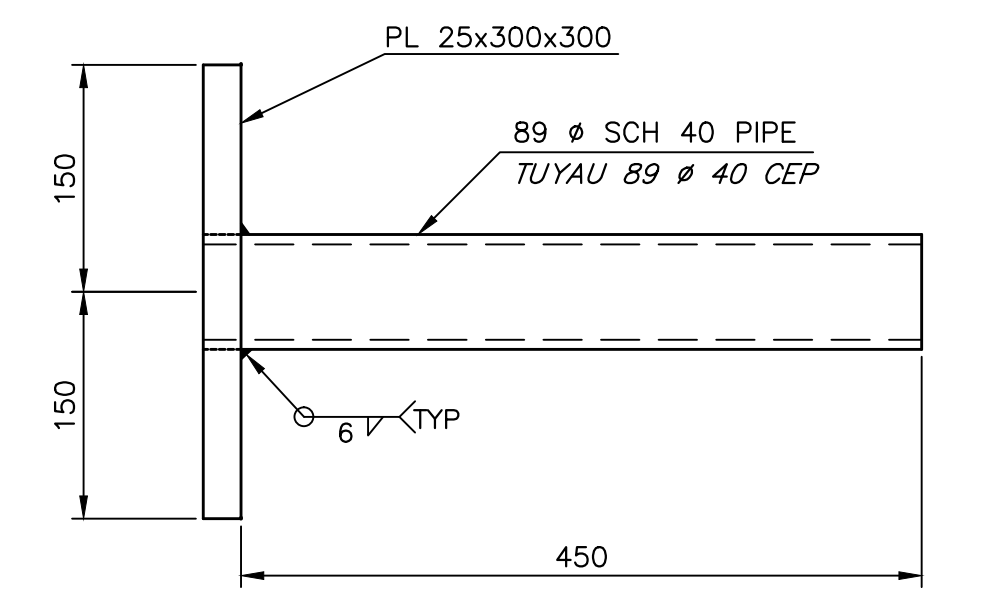
SECTION
COUPE
SCALE/ÉCHELLE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm



REINFORCING DETAIL AT SCUPPERS
DÉTAIL D'ARMATURE AUX DALOTS
SCALE/ÉCHELLE: 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



DETAIL OF REBAR CONFIGURATION
DÉTAIL DE CONFIGURATION DES BARRES D'ARMATURE
SCALE/ÉCHELLE: 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



DETAIL
DÉTAIL
SCALE/ÉCHELLE: 1:5
0mm 100mm 200mm 300mm 400mm 500mm

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project
WHARF RECONSTRUCTION
RECONSTRUCTION DU QUAI
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PETIT-CAP, NB
COMITÉ DE WESTMORLAND COUNTY

drawing
REINFORCING SECTIONS AND DETAILS
COUPES ET DÉTAILS D'ARMATURE

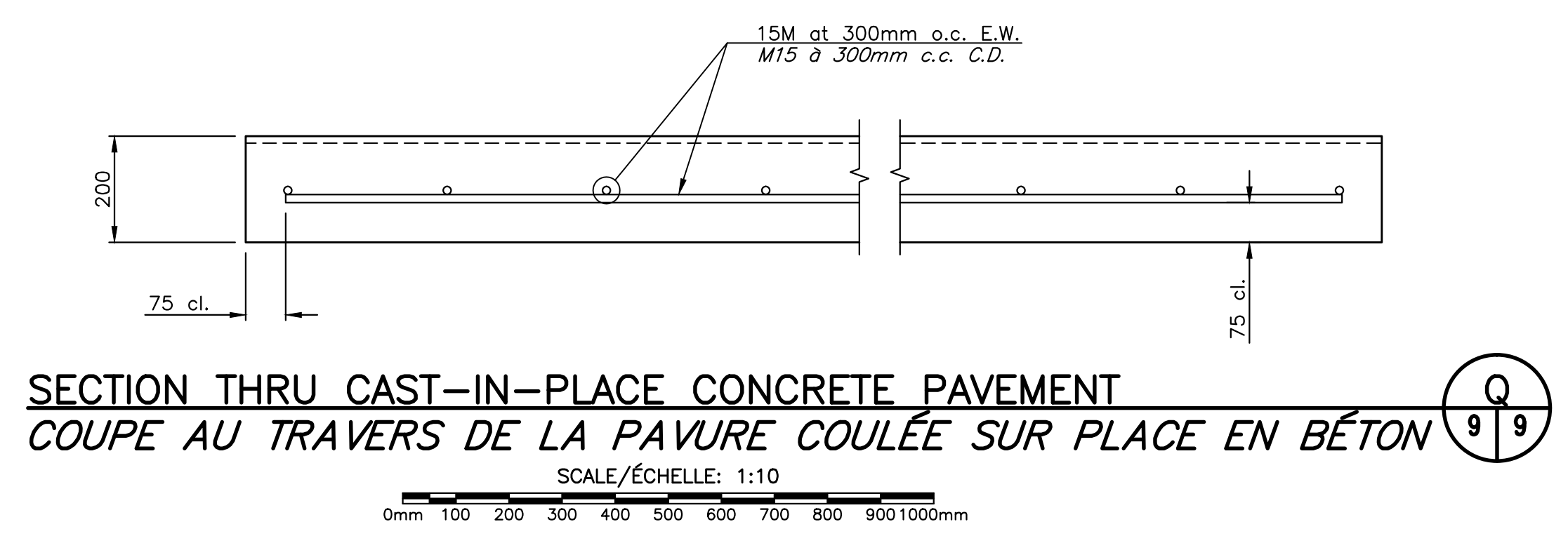
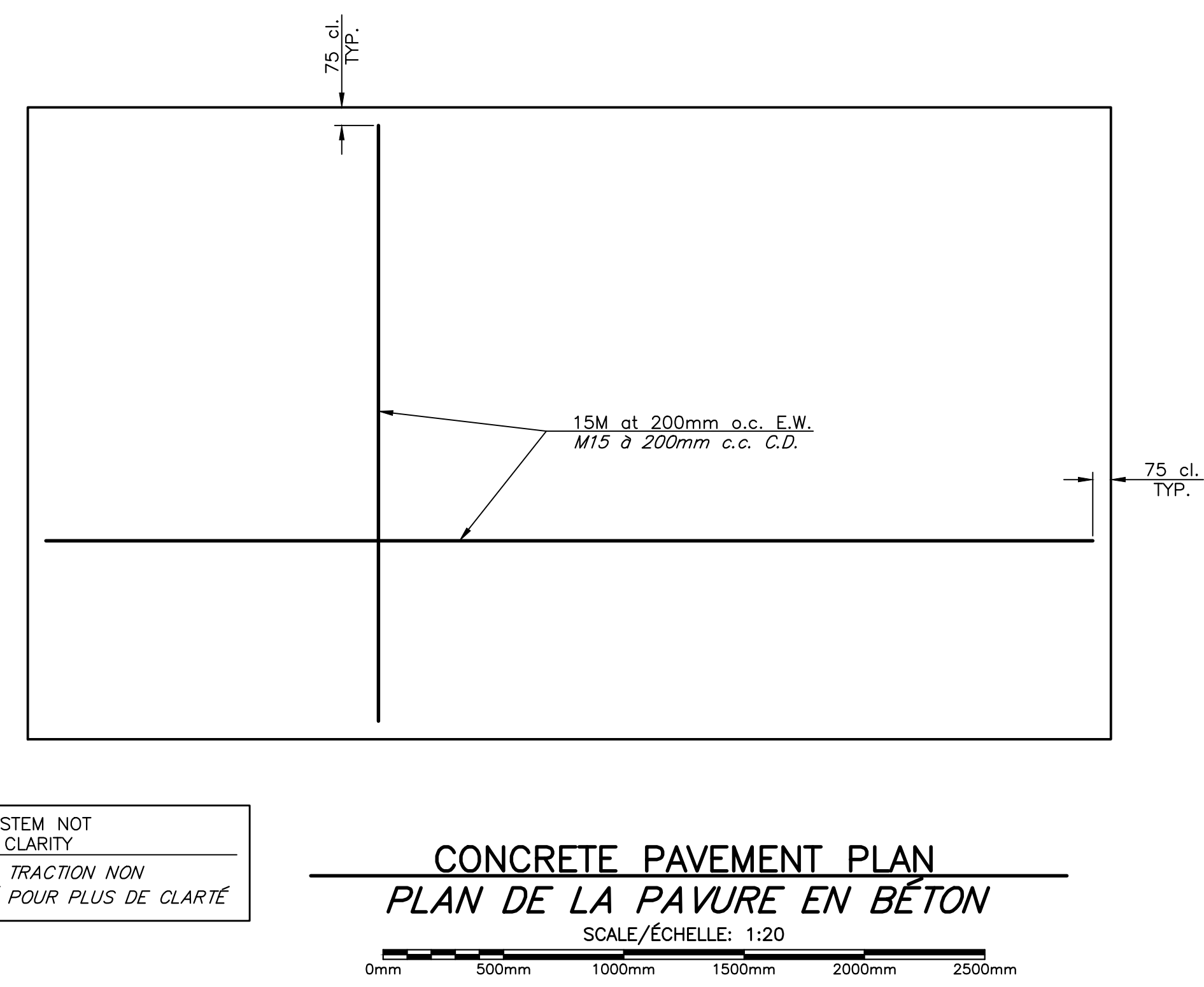
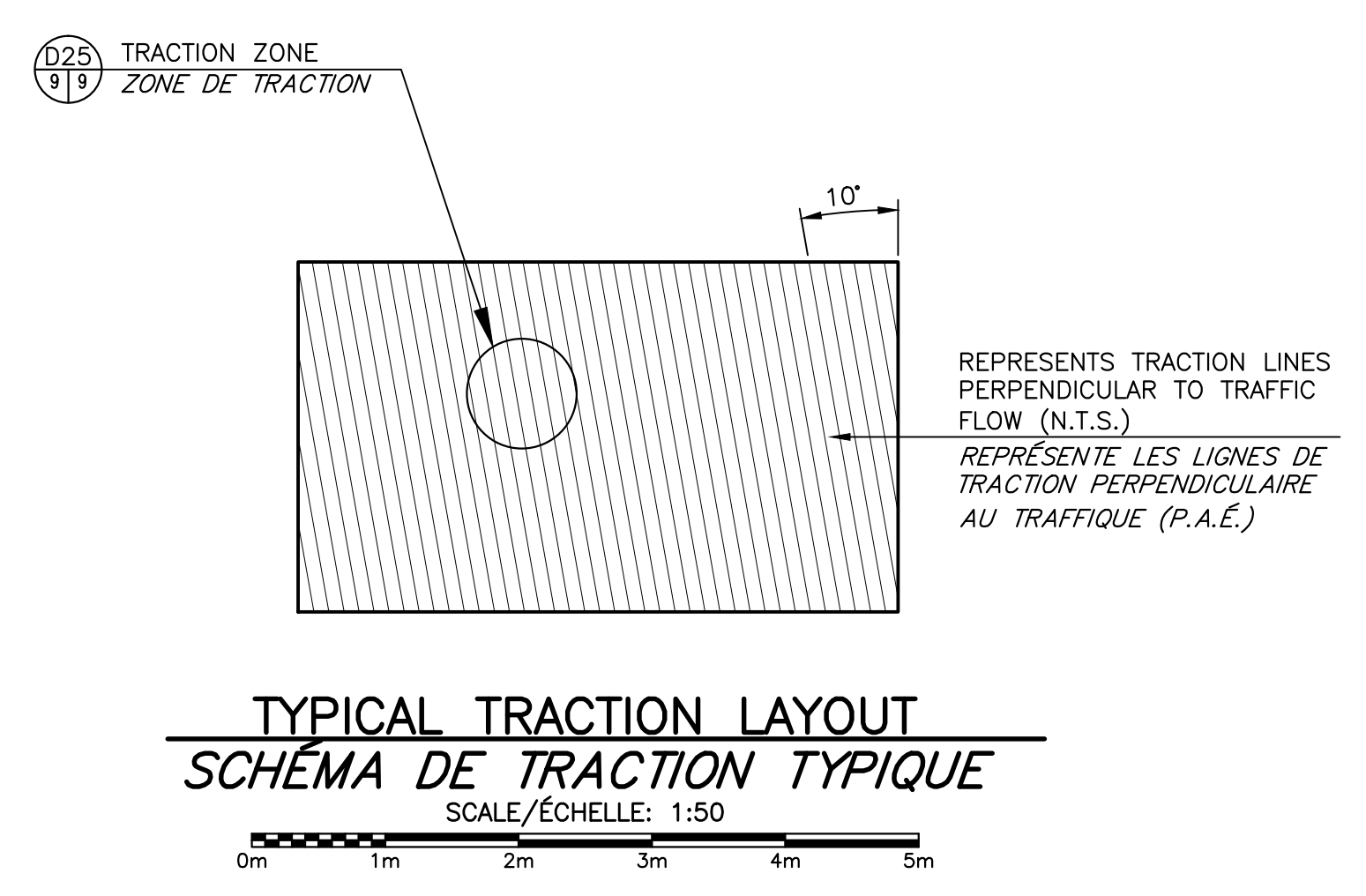
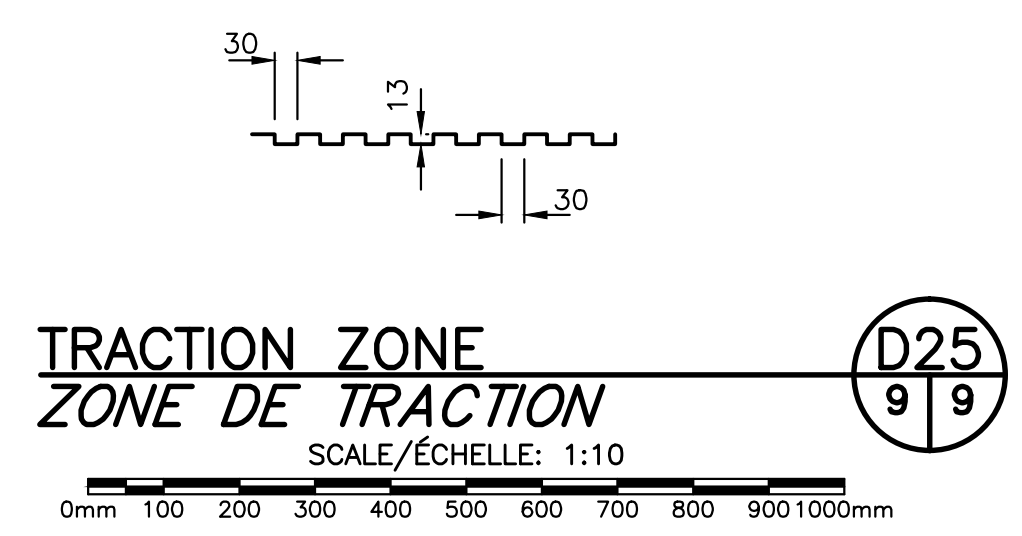
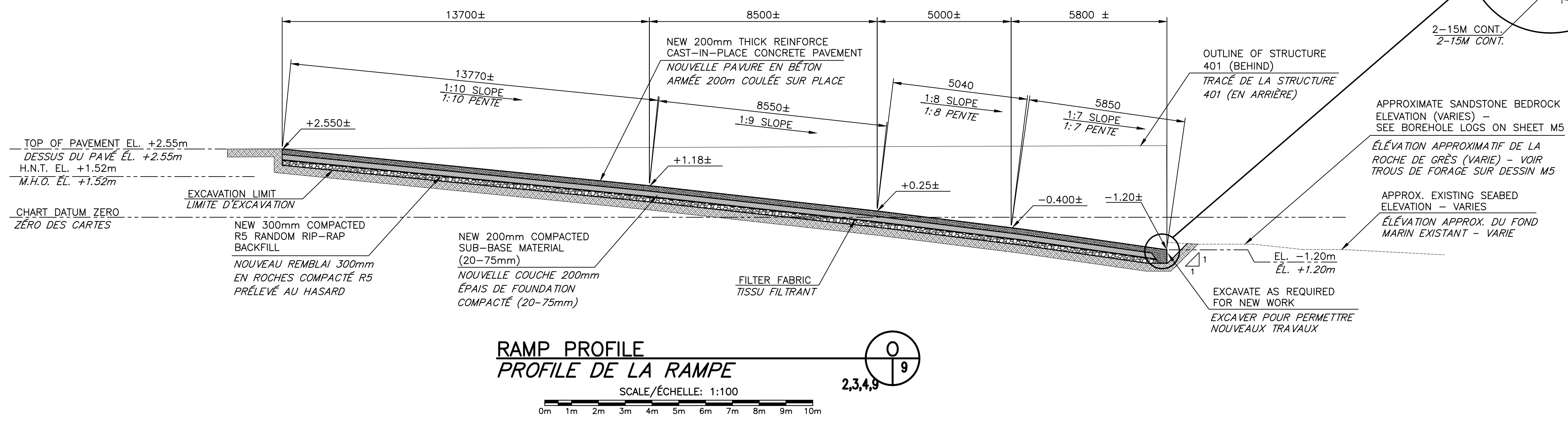
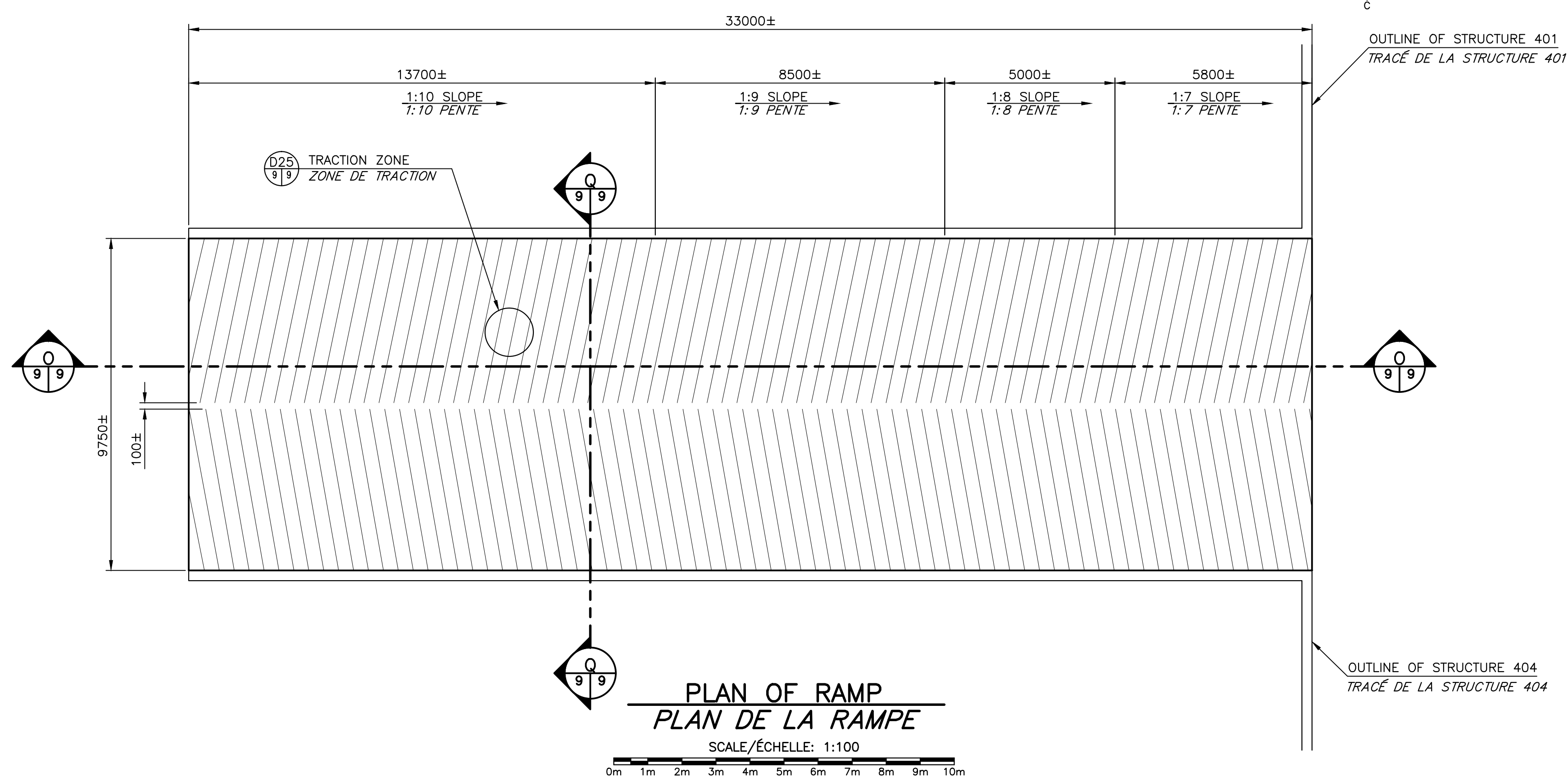
designed C Y BOUCHER ENG & CONST LTD. conçu
date NOVEMBER/NOVEMBRE 2016
drawn L. RIOUX dessiné
date NOVEMBER/NOVEMBRE 2016
approved
approved

project Manager Administrateur de projets
project number no. du projet
721989

drawing no. no. du dessin
M8 of/de M10



NOTE:
RECONSTRUCTION OF THE BOAT RAMP TO BE CARRIED OUT IN A DRY ENVIRONMENT USING TEMPORARY WATER RESISTANT DYKE SYSTEM/ENCLOSURE AND DEWATERING METHOD
LA RECONSTRUCTION DE LA RAMPE À BATEAU DEVRA ÊTRE EFFECTUÉE DANS UN ENVIRONNEMENT SEC EN UTILISANT UN SYSTÈME DE DIGUE TEMPORAIRE/BARRAGE ÉTANCHE ET UNE MÉTHODE DE DÉSHYDRATATION.



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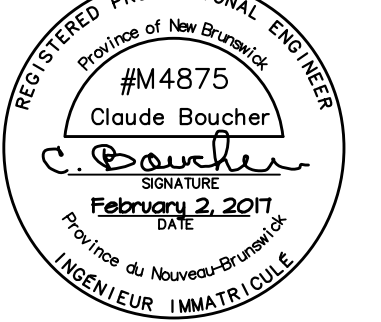
project
WHARF RECONSTRUCTION
RECONSTRUCTION DU QUAI
STRUCTURE 404 & 501
PETIT-CAP, NB
COMTÉ DE WESTMORLAND COUNTY

drawing
RAMP PLAN,
SECTION AND DETAILS
PLAN DE LA RAMPE,
COUPES ET DÉTAILS

designed C Y BOUCHER ENG & CONST LTD. conçu
date NOVEMBER/NOVEMBRE 2016
drawn L. RIOUX dessiné
date NOVEMBER/NOVEMBRE 2016
approved approved
date
Tender Soumission

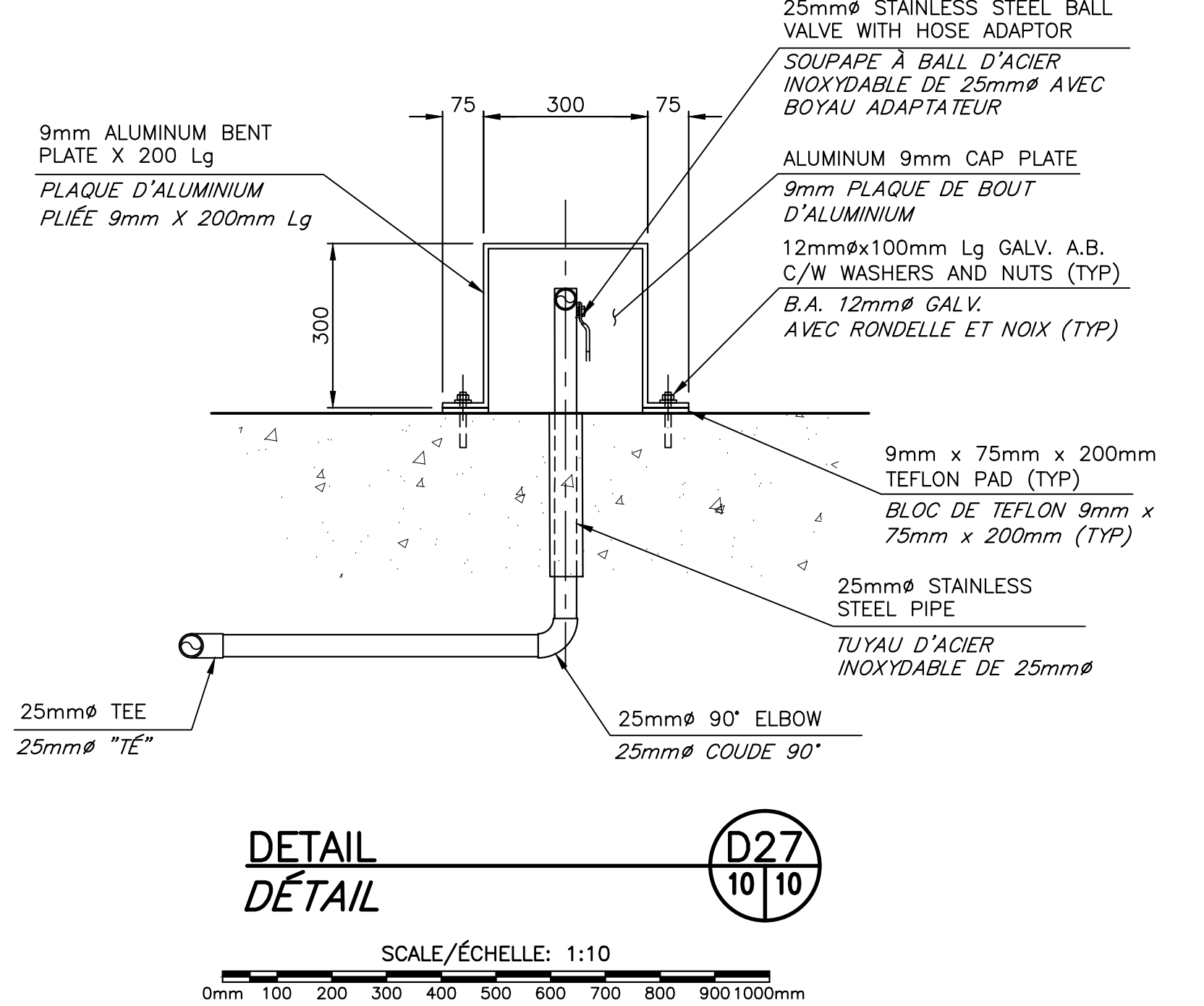
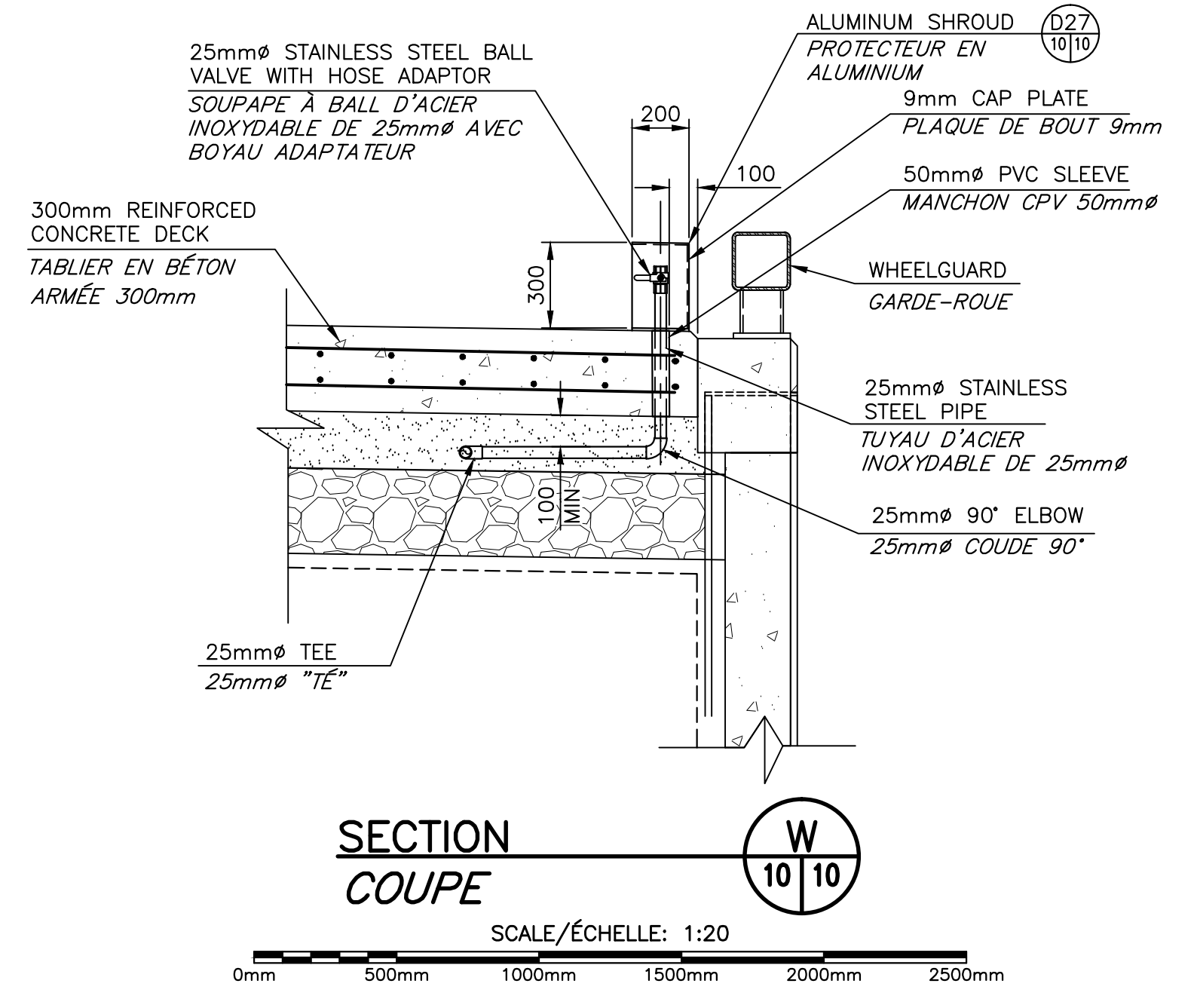
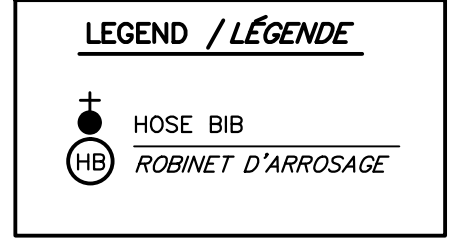
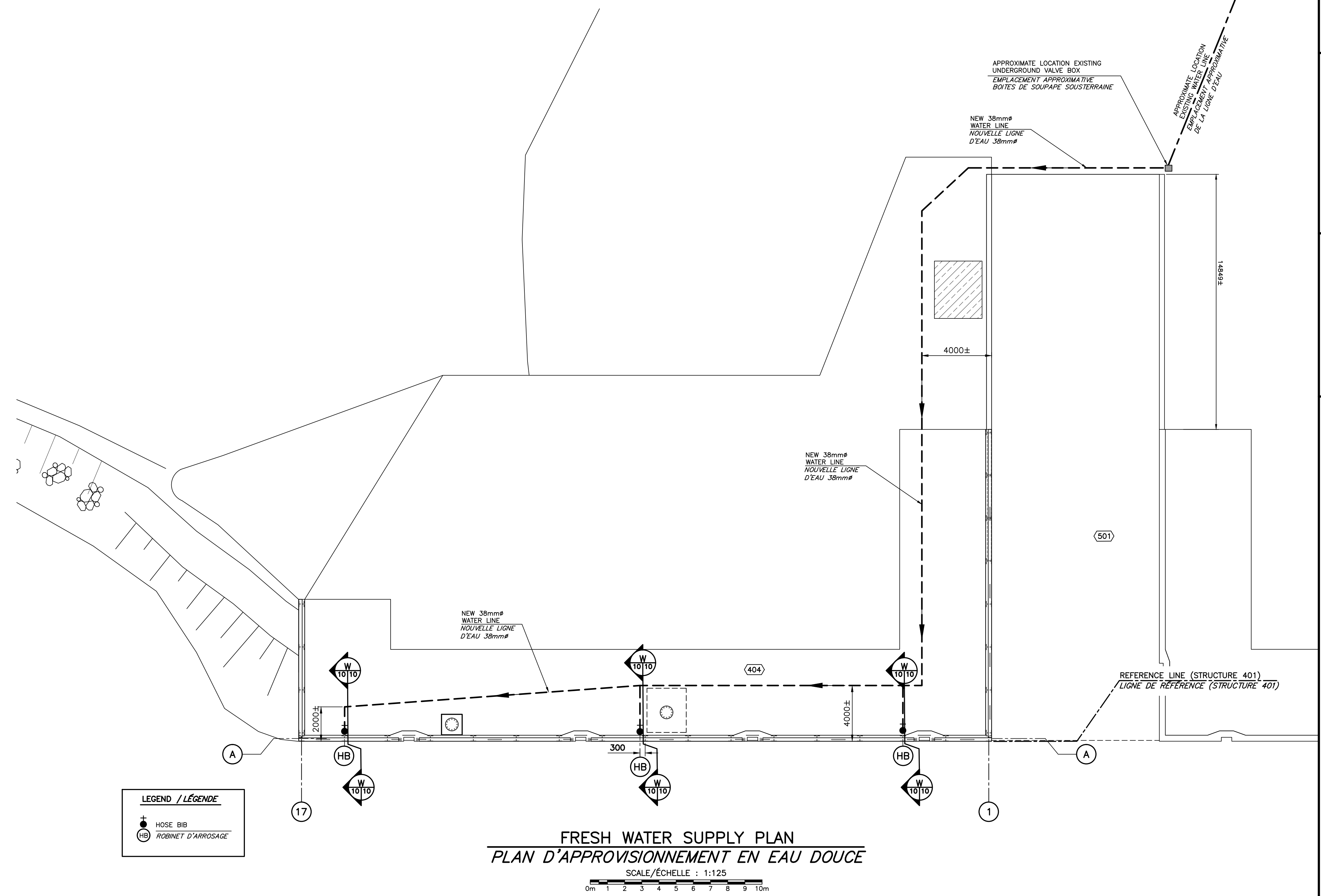
Project Manager Administrateur de projets
project number no. du projet
721989

drawing no. no. du dessin
M9 of/de M10



GEMTEC		BOREHOLE LOGS			
Client	Public Works & Government Services Canada	Proj No.	4735.74		
Project	Geotechnical Investigation	Date Drilled	17 July 2015		
Location	Petit-Cap Wharf, Petit Cap, NB	BOREHOLE	1		
Ground Level, m	-0.41	Datum:	Chart		
Chart		Logged By	MHB		
DEPTH	NO	TYPE	REC (mm)	LOG	DESCRIPTION
0	1	IS	230		Black silty SAND
0.7	2	IS	1004	130	Grey SANDSTONE BEDROCK
1	3	IS	1004	230	
1	4	NQ	76%	880	
2	5	NQ	97%	1500	- Rock Compressive Strength: 35.1 MPa
3	6	NQ	55%	1450	
4	7	NQ	75%	1500	- Rock Compressive Strength: 35.1 MPa
5	8	NQ	85%	1500	
7.77					- Rock Compressive Strength: 38.0 MPa End of borehole at 7.77 metres below surface grade Groundwater seepage not identified

GEMTEC		BOREHOLE LOGS			
Client	Public Works & Government Services Canada	Proj No.	4735.74		
Project	Geotechnical Investigation	Date Drilled	17 July 2015		
Location	Petit-Cap Wharf, Petit Cap, NB	BOREHOLE	2		
Ground Level, m	-0.43	Datum:	Chart		
Chart		Logged By	MHB		
DEPTH	NO	TYPE	REC (mm)	LOG	DESCRIPTION
0	1	IS	1004	300	Black SAND, some silt
0.81	2	NQ	63%	890	Grey SANDSTONE BEDROCK
1	3	NQ	77%	1425	- Rock Compressive Strength: 28.8 MPa
2	4	NQ	93%	1500	
3	5	NQ	97%	1500	- Rock Compressive Strength: 37.4 MPa
4	6	NQ	83%	1450	
7.77					- Rock Compressive Strength: 36.3 MPa End of borehole at 7.77 metres below surface grade Groundwater seepage not identified



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WHARF RECONSTRUCTION
RECONSTRUCTION DU QUAI
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PETIT-CAP, NB
COMTÉ DE WESTMORLAND COUNTY

drawing
FRESH WATER SUPPLY
BOREHOLE RECORD
SYSTEME D'EAU DOUCE
RECORD DE FORAGE

designed	C Y BOUCHER ENG & CONST LTD.	conçu
date	NOVEMBER/NOVEMBRE 2016	
drawn	L. RIOUX	dessiné
date	NOVEMBER/NOVEMBRE 2016	
approved		approuvé
date		
Tender		Submission
Project Manager	Administrateur de projets	
project number	721989	no. du projet
drawing no.	M10 of/de M10	no. du dessin