

FISHERIES AND OCEANS



COLOMBIER ISLAND REFURBISHMENTS

COLOMBIER ISLAND, NL

PROJECT NO.: F6879-199209
ISSUED FOR TENDER

DATE: 2020-JAN-17

CLIENT/OWNER:
DEPARTMENT OF FISHERIES & OCEANS,
REAL PROPERTY BRANCH

PRIME CONSULTANTS:
TILLER ENGINEERING INC. (TEI)

DRAWING LIST:

<u>TITLE</u>	
1101002B007S01	NOTES, EXISTING / DEMOLITION SITE PLAN
1101002B007S02	REPAIR / PLANNED SITE PLAN
1101002B007S03	DETAIL - SAFETY NET REPAIR
1101002B007S04	DETAIL - SAFETY NET REPAIR
1101002B007S05	ELEVATIONS
1101002B007S06	DETAILS
1101002B007S07	DETAIL - REPAIR PLANNED SITE PLAN
1101002B007S08	DETAIL - NEW WOODEN DECK FRAMING
1101002B007S09	SECTION AND ELEVATIONS
1101002B007S10	LIGHTNING ROD CONNECTION

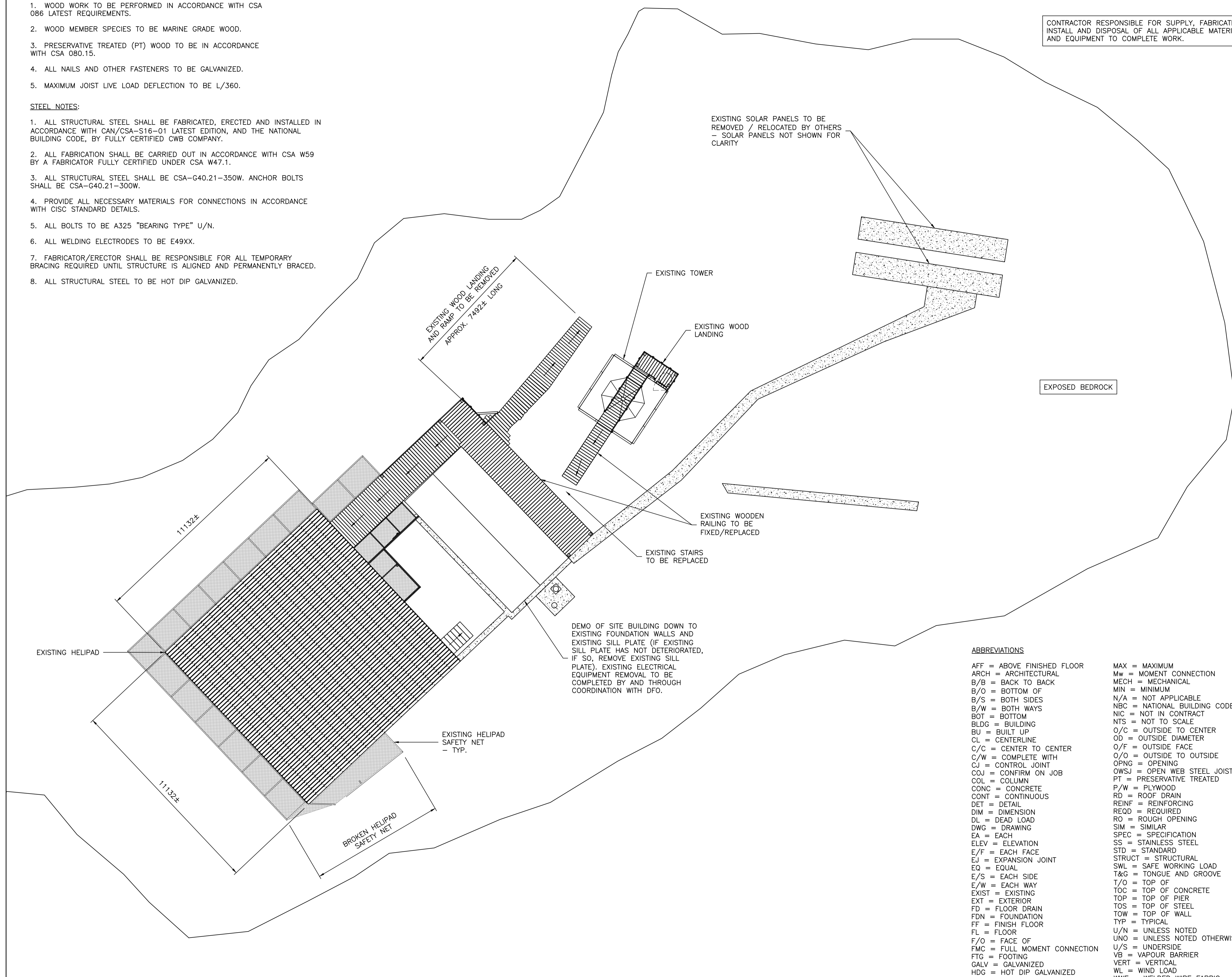
WOOD NOTES:

- WOOD WORK TO BE PERFORMED IN ACCORDANCE WITH CSA 086 LATEST REQUIREMENTS.
- WOOD MEMBER SPECIES TO BE MARINE GRADE WOOD.
- PRESERVATIVE TREATED (PT) WOOD TO BE IN ACCORDANCE WITH CSA 080.15.
- ALL NAILS AND OTHER FASTENERS TO BE GALVANIZED.
- MAXIMUM JOIST LIVE LOAD DEFLECTION TO BE L/360.

STEEL NOTES:

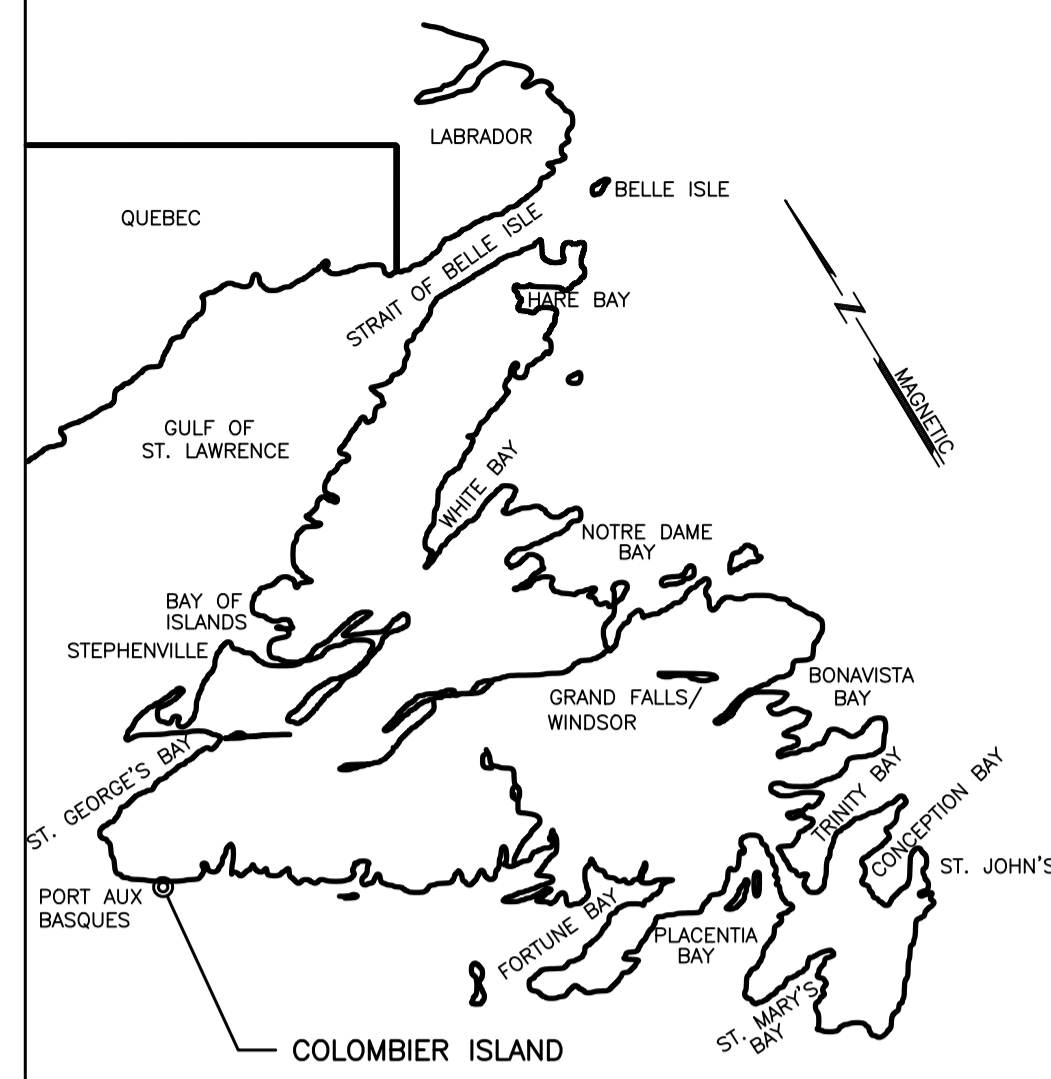
- ALL STRUCTURAL STEEL SHALL BE FABRICATED, ERECTED AND INSTALLED IN ACCORDANCE WITH CAN/CSA-S16-01 LATEST EDITION, AND THE NATIONAL BUILDING CODE, BY FULLY CERTIFIED CWB COMPANY.
- ALL FABRICATION SHALL BE CARRIED OUT IN ACCORDANCE WITH CSA W59 BY A FABRICATOR FULLY CERTIFIED UNDER CSA W47.1.
- ALL STRUCTURAL STEEL SHALL BE CSA-G40.21-350W. ANCHOR BOLTS SHALL BE CSA-G40.21-300W.
- PROVIDE ALL NECESSARY MATERIALS FOR CONNECTIONS IN ACCORDANCE WITH CISC STANDARD DETAILS.
- ALL BOLTS TO BE A325 "BEARING TYPE" U/N.
- ALL WELDING ELECTRODES TO BE E49XX.
- FABRICATOR/ERECTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING REQUIRED UNTIL STRUCTURE IS ALIGNED AND PERMANENTLY BRACED.
- ALL STRUCTURAL STEEL TO BE HOT DIP GALVANIZED.

CONTRACTOR RESPONSIBLE FOR SUPPLY, FABRICATE, INSTALL AND DISPOSAL OF ALL APPLICABLE MATERIALS AND EQUIPMENT TO COMPLETE WORK.



EXISTING / DEMOLITION SITE PLAN

1:100



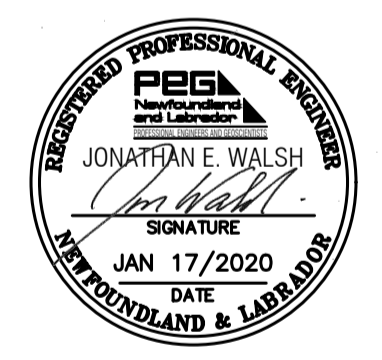
KEY LOCATION PLAN

GENERAL NOTES:

- DO NOT SCALE DRAWINGS.
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ABBREVIATIONS

- AFF = ABOVE FINISHED FLOOR
- ARCH = ARCHITECTURAL
- B/B = BACK TO BACK
- B/O = BOTTOM OF
- B/S = BOTH SIDES
- B/W = BOTH WAYS
- BOT = BOTTOM
- BLDG = BUILDING
- BU = BUILT UP
- CL = CENTERLINE
- C/C = CENTER TO CENTER
- C/W = COMPLETE WITH
- CJ = CONTROL JOINT
- COJ = CONFIRM ON JOB
- COL = COLUMN
- CONC = CONCRETE
- CONT = CONTINUOUS
- DET = DETAIL
- DIM = DIMENSION
- DL = DEAD LOAD
- DWG = DRAWING
- EA = EACH
- ELEV = ELEVATION
- E/F = EACH FACE
- EJ = EXPANSION JOINT
- EQ = EQUAL
- E/S = EACH SIDE
- E/W = EACH WAY
- EXIST = EXISTING
- EXT = EXTERIOR
- FD = FLOOR DRAIN
- FDN = FOUNDATION
- FF = FINISH FLOOR
- FL = FLOOR
- F/O = FACE OF
- FMC = FULL MOMENT CONNECTION
- FTG = FOOTING
- GALV = GALVANIZED
- HDG = HOT DIP GALVANIZED
- HORIZ = HORIZONTAL
- I/F = INSIDE FACE
- INT = INTERIOR
- LL = LIVE LOAD
- LLH = LONG LEG HORIZONTAL
- LLV = LONG LEG VERTICAL
- MAX = MAXIMUM
- Mw = MOMENT CONNECTION
- MECH = MECHANICAL
- MIN = MINIMUM
- N/A = NOT APPLICABLE
- NBC = NATIONAL BUILDING CODE
- NIC = NOT IN CONTRACT
- NTS = NOT TO SCALE
- O/C = OUTSIDE TO CENTER
- OD = OUTSIDE DIAMETER
- O/F = OUTSIDE FACE
- O/O = OUTSIDE TO OUTSIDE
- OPNG = OPENING
- OWSJ = OPEN WEB STEEL JOIST
- PT = PRESERVATIVE TREATED
- P/W = PLYWOOD
- RD = ROOF DRAIN
- REINF = REINFORCING
- REQD = REQUIRED
- RO = ROUGH OPENING
- SIM = SIMILAR
- SPEC = SPECIFICATION
- SS = STAINLESS STEEL
- STD = STANDARD
- STRUCT = STRUCTURAL
- SWL = SAFE WORKING LOAD
- T&G = TONGUE AND GROOVE
- T/O = TOP OF
- TOC = TOP OF CONCRETE
- TOP = TOP OF PIER
- TOS = TOP OF STEEL
- TOW = TOP OF WALL
- TYP = TYPICAL
- U/N = UNLESS NOTED
- UNO = UNLESS NOTED OTHERWISE
- U/S = UNDERSIDE
- VB = VAPOUR BARRIER
- VERT = VERTICAL
- WL = WIND LOAD
- WWF = WELDED WIRE FABRIC
- WWM = WELDED WIRE MESH



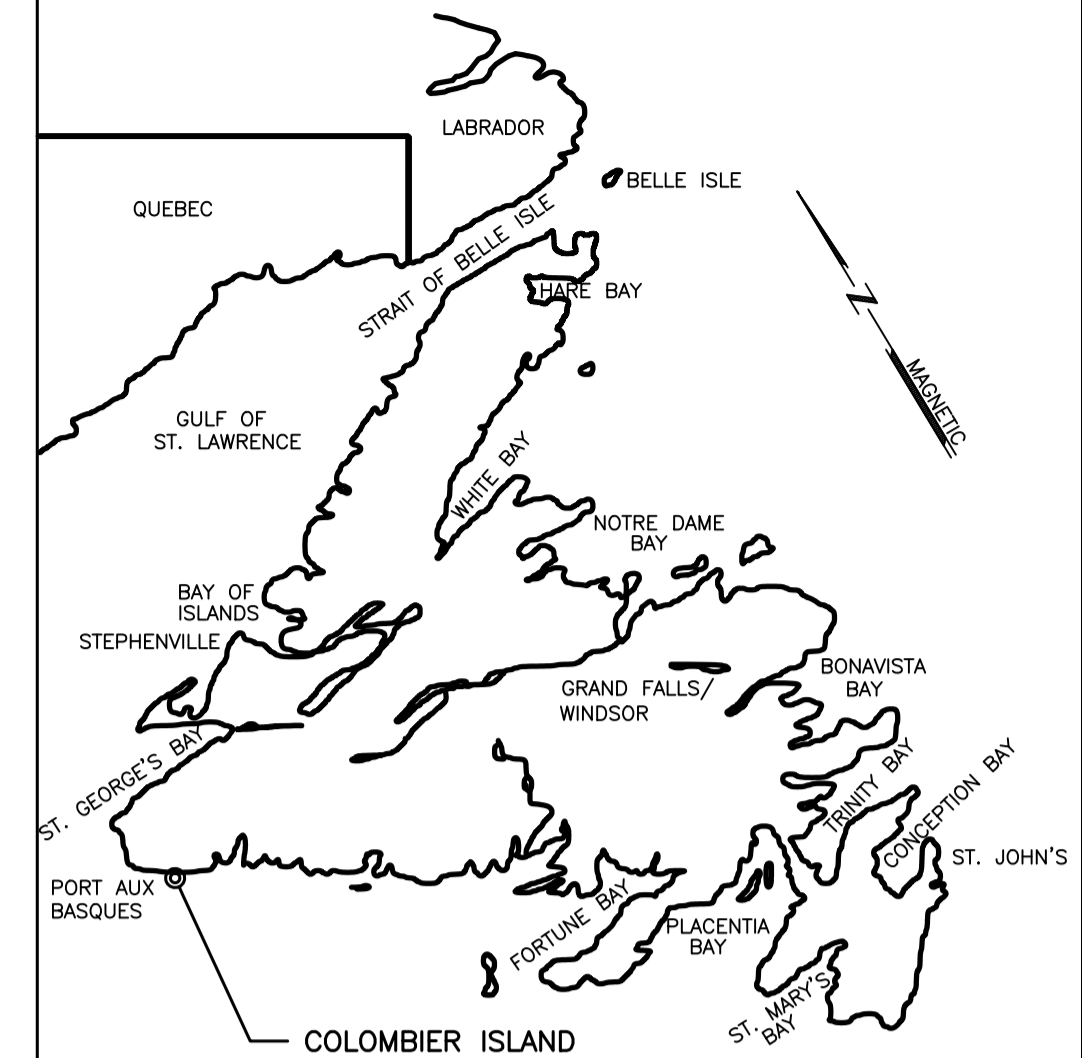
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C	ISSUED FOR FINAL REVIEW	2019-12-20	J.D.	C.B./J.W.
B	ISSUED FOR 99% REVIEW	2019-12-02	J.D.	C.B./J.W.
A	ISSUED FOR 99% REVIEW	2019-09-16	J.D.	C.B./J.W.
no.	revision	date	by	approved
	revision	date	par	approve

Project - projet
COLOMBIER ISLAND

Drawing - dessin
NOTES, EXISTING / DEMOLITION SITE PLAN

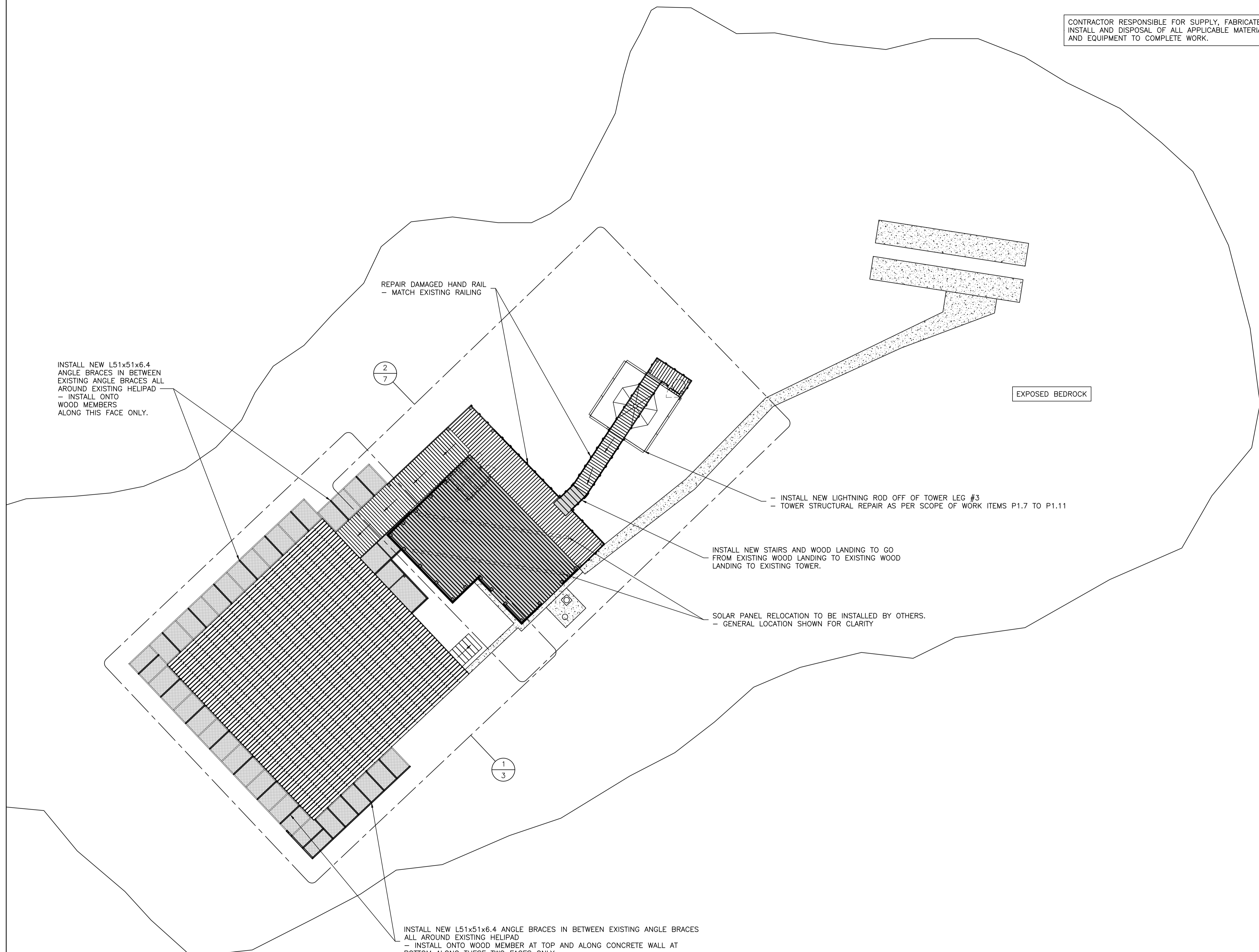
drawn - dessine	J. DOYLE	designed - dessiné par	C. BARRON
date - date	2020-JAN-17	checked - vérifié	J. WALSH
scale - échelle	AS SHOWN	approved for tender - approuvé pour l'offre	-
project no. - projet no.	F6879-199209	drawing no. - no du dessin	1101002B007S01
		sheet - feuille	1 OF 10


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JONATHAN E. WALSH
SIGNATURE
DATE
PROFESSIONAL ENGINEER
NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND AND LABRADOR

PERMIT HOLDER
This Permit Allows
TILLER ENGINEERING INC.
MIRC #02255

To practice Professional Engineering in Newfoundland and Labrador, Permit No. as issued by PEG F0227, which is valid for the year 2020.

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Project - projet

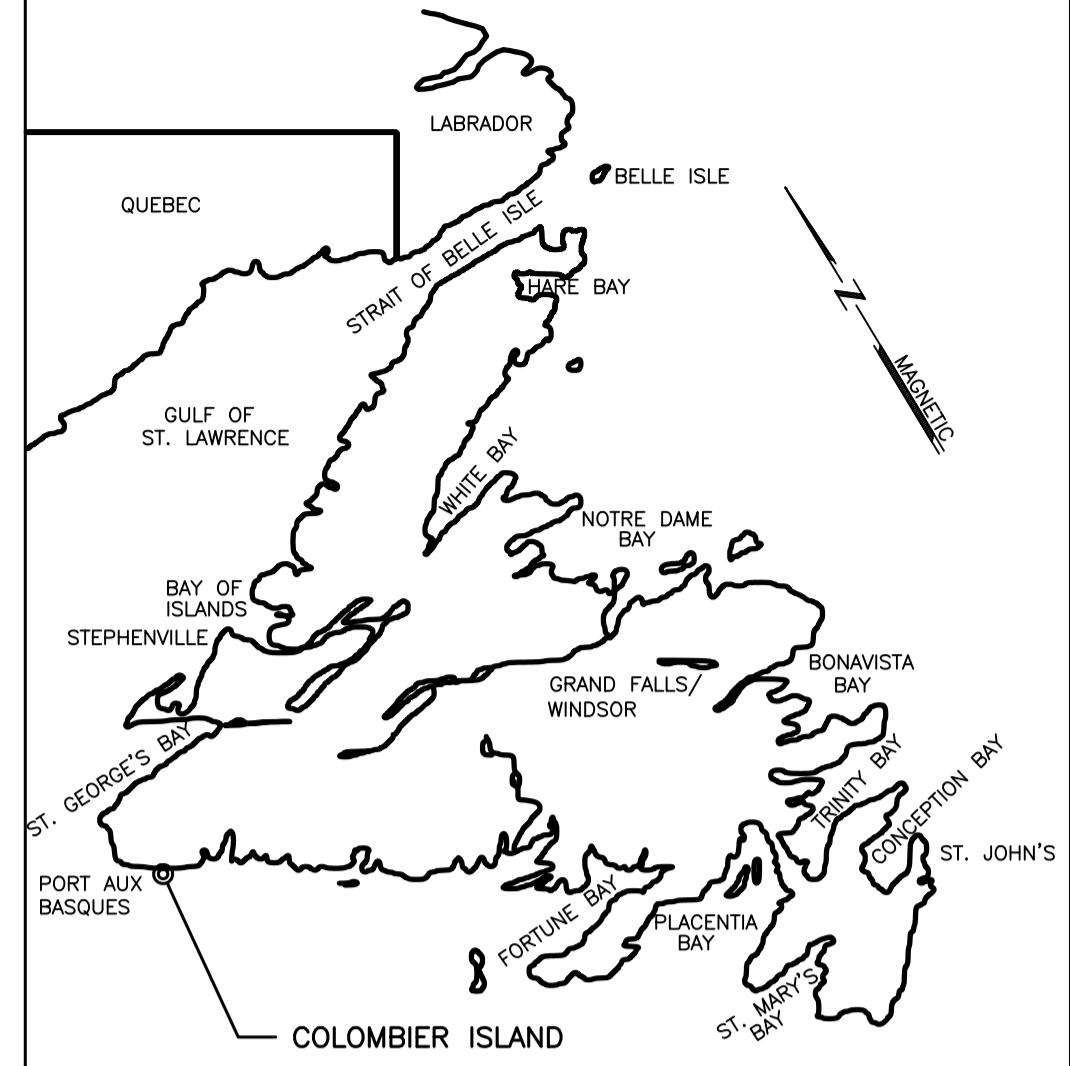
COLOMBIER ISLAND

Drawing - dessin

REPAIR / PLANNED SITE PLAN

drawn - dessiné	J. DOYLE	designed - dessiné par	C. BARRON
date - date	2020-JAN-17	checked - vérifié	J. WALSH
scale - échelle	AS SHOWN	approved for tender - approuvé pour l'offre	-
project no. - projet no.	F6879-199209	drawing no. - no du dessin	1101002B007S02
		sheet - feuille	2 OF 10

REPAIR / PLANNED SITE PLAN
1:100



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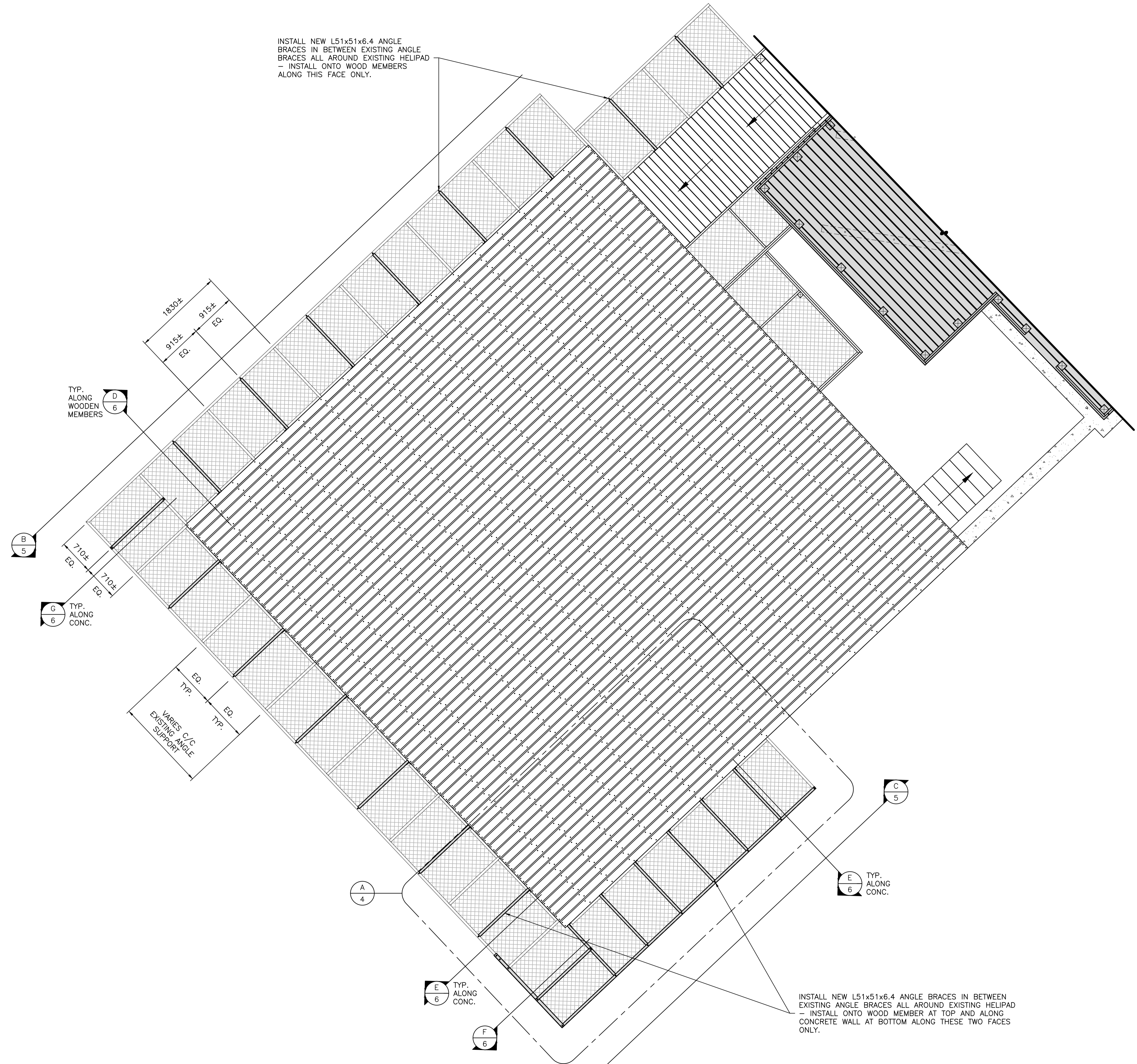
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Project - projet
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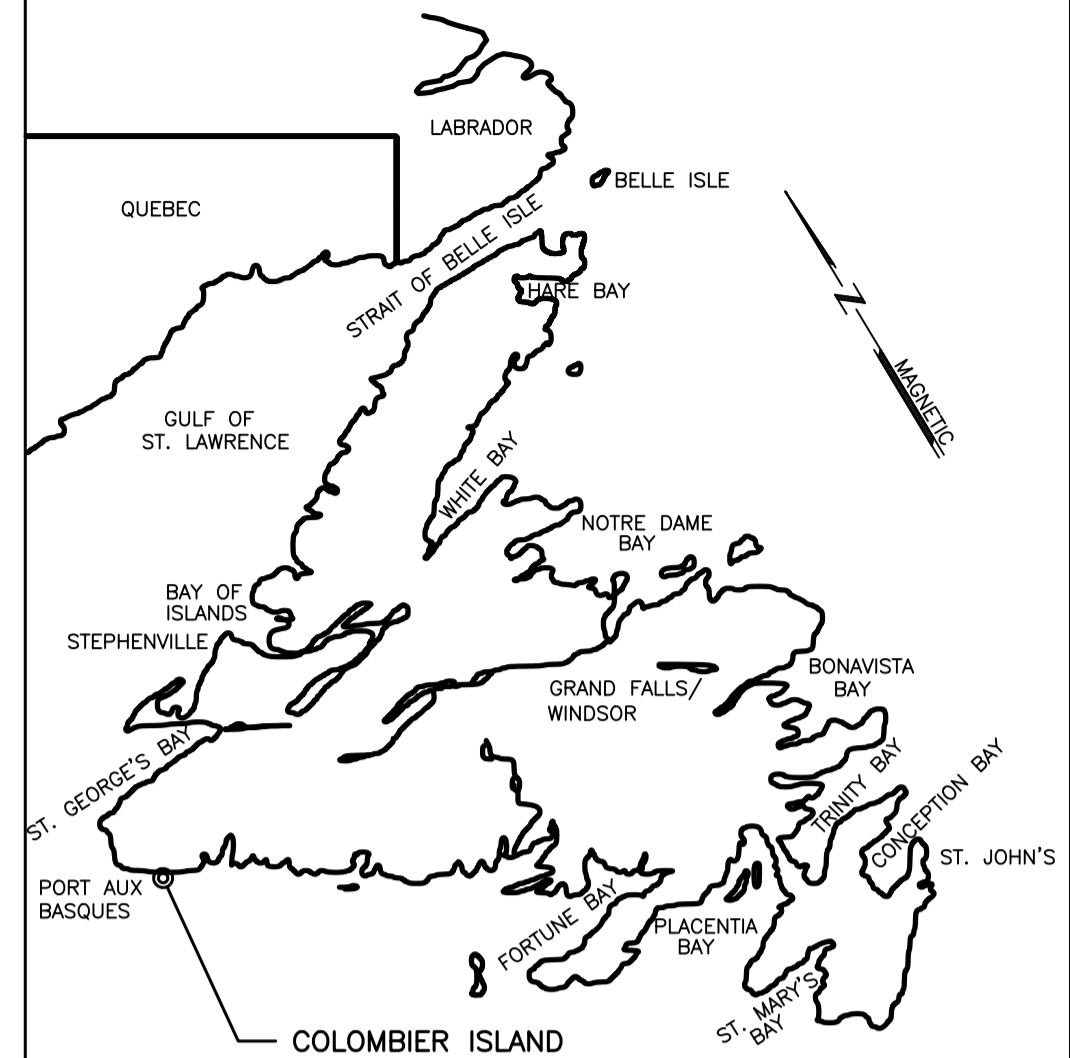
Drawing - dessin
DETAIL - SAFETY NET REPAIR

drawn - dessiné	J. DOYLE	designed - dessiné par	C. BARRON
date - date	2020-JAN-17	checked - vérifié	J. WALSH
scale - échelle	AS SHOWN	approved for tender - approuvé pour l'offre	-
project no. - projet no.	F6879-199209	drawing no. - no du dessin	1101002B007S03
		sheet - feuille	3 OF 10

INSTALL NEW L51x51x6.4 ANGLE BRACES IN BETWEEN EXISTING ANGLE BRACES ALL AROUND EXISTING HELIPAD - INSTALL ONTO WOOD MEMBERS ALONG THIS FACE ONLY.



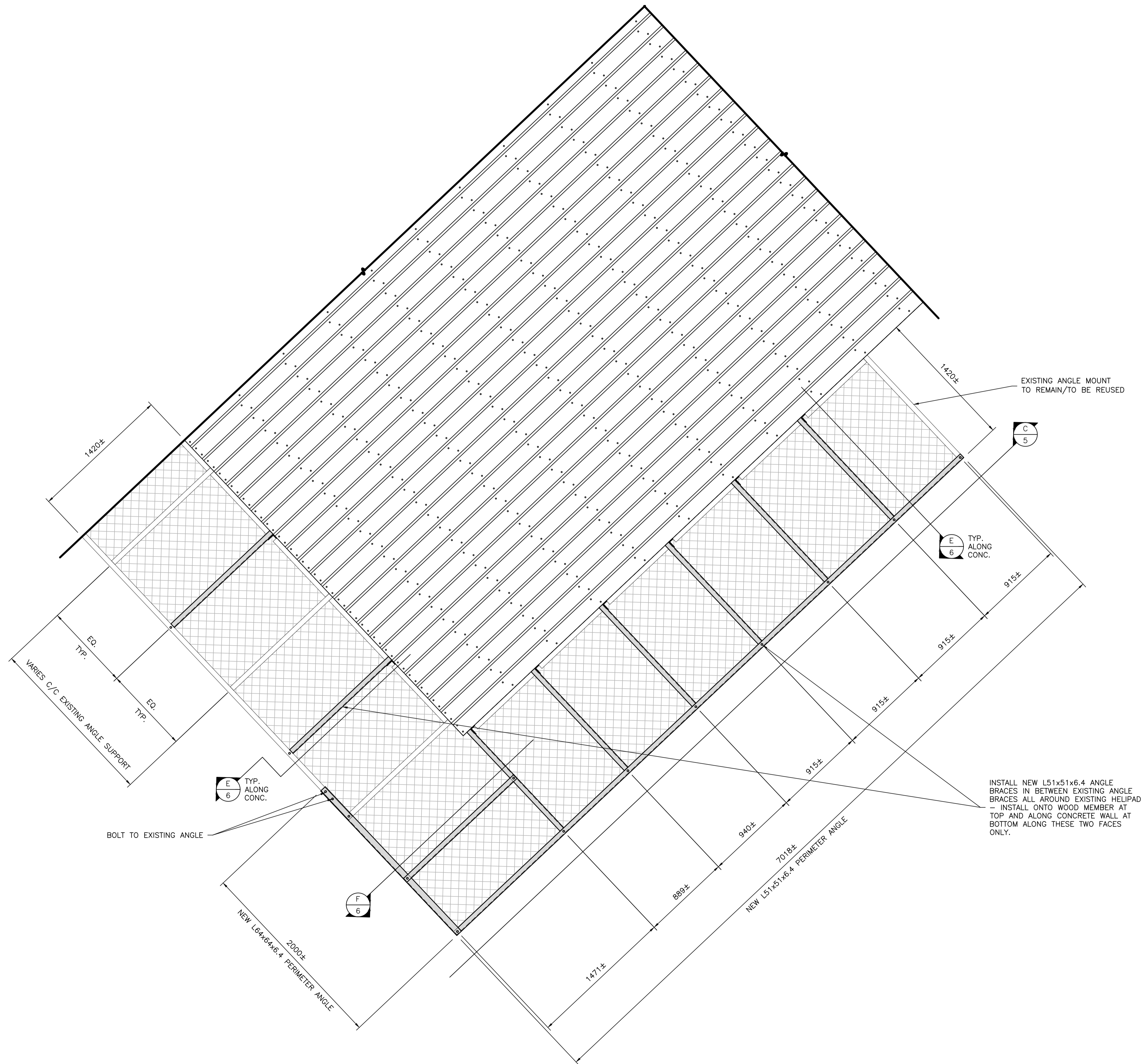
HELIDECK SAFTY NETTING REPAIR / PLANNED SITE PLAN 1
1:40 3



KEY LOCATION PLAN

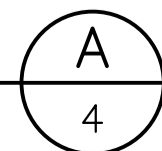
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DETAIL – SAFTY NET REPAIR

1:20

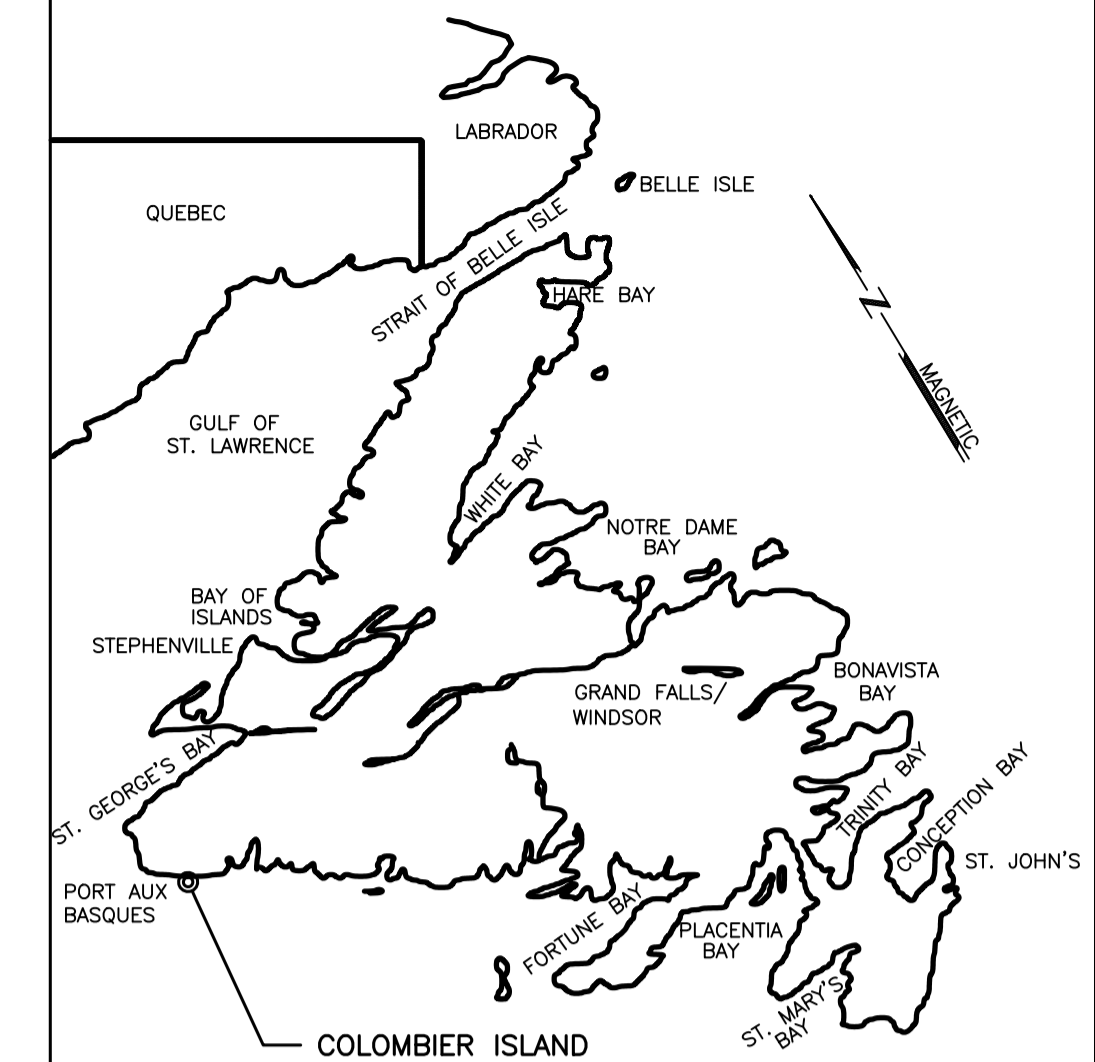


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Project – projet
COLOMBIER ISLAND

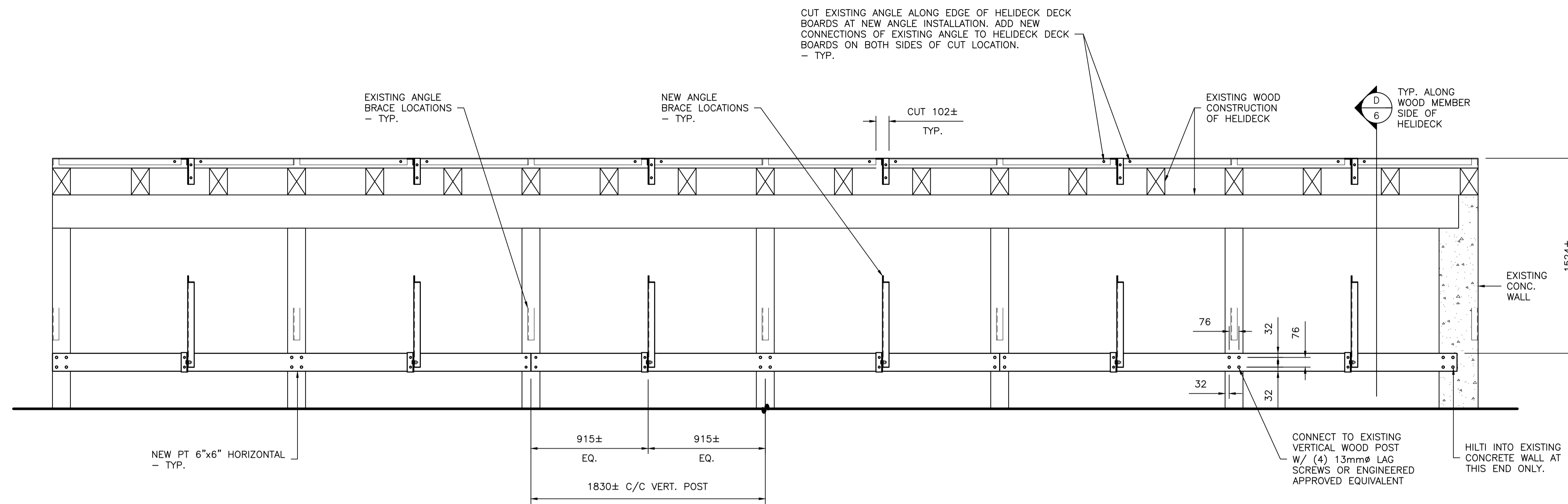
Drawing – dessin
DETAIL – SAFETY NET REPAIR

drawn – dessine	J. DOYLE	designed – dessine par	C. BARRON
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scale – echelle	AS SHOWN	approved for tender – approuve pour l'offre	-
project no. – projet no.	F6879-199209	drawing no. – no du dessin	1101002B007S04
		sheet – feuille	4 OF 10

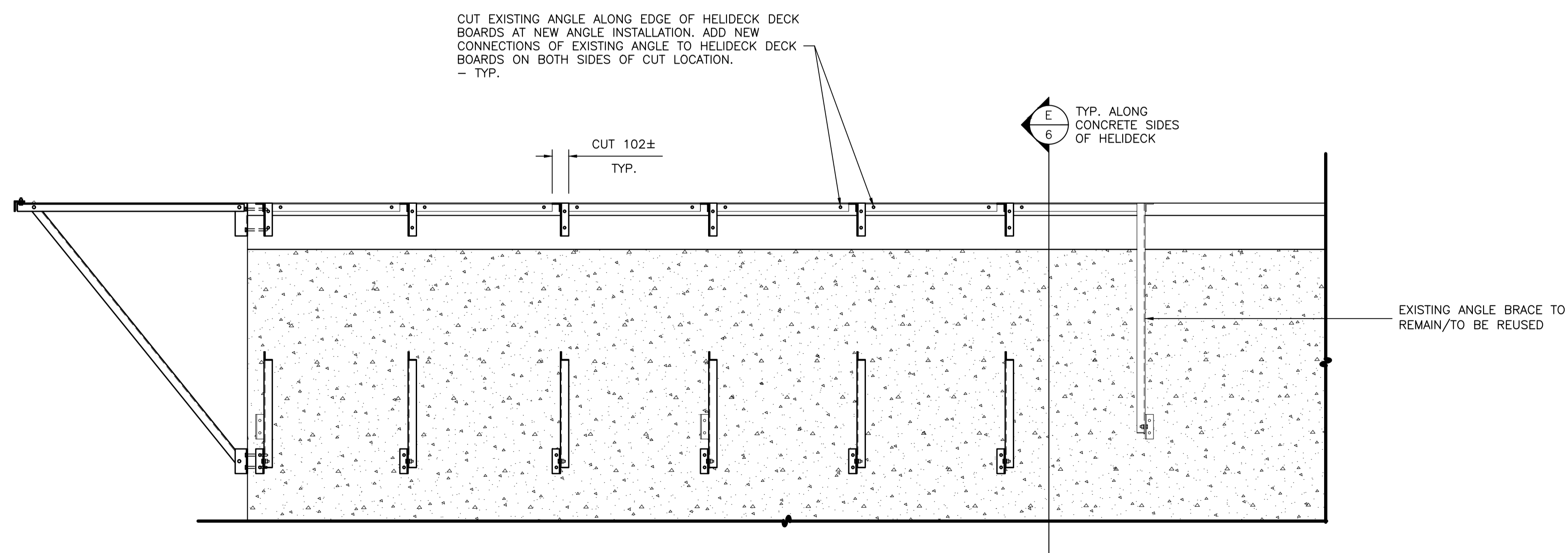


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ELEVATION – SAFTY NET REPAIR ALONG WOOD MEMBER EDGE (B) 5
 1:20



ELEVATION – SAFTY NET REPAIR ALONG CONCRETE EDGE (C) 5
 1:20

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
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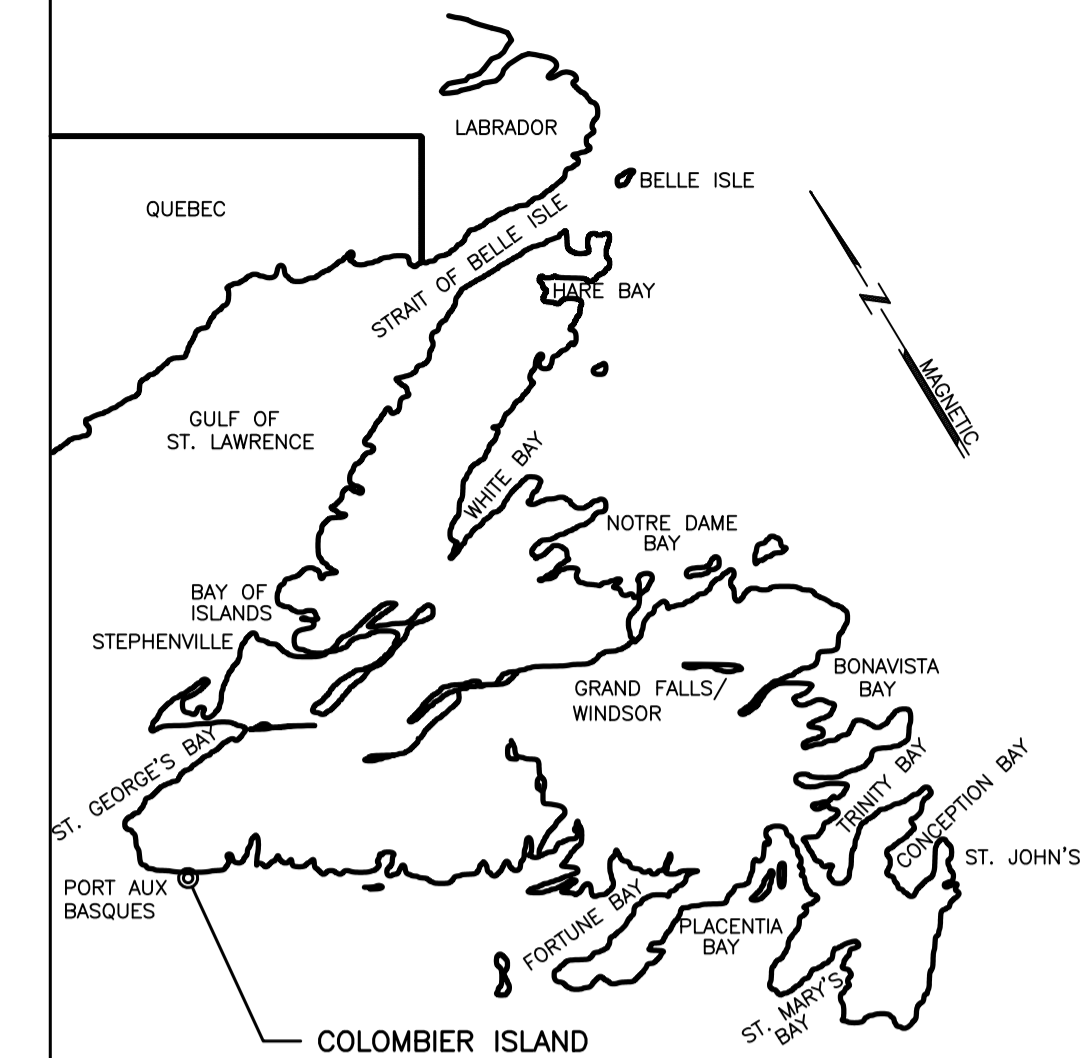
PROFESSIONAL ENGINEER
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 SIGNATURE
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 NEWFOUNDLAND & LABRADOR

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COLOMBIER ISLAND

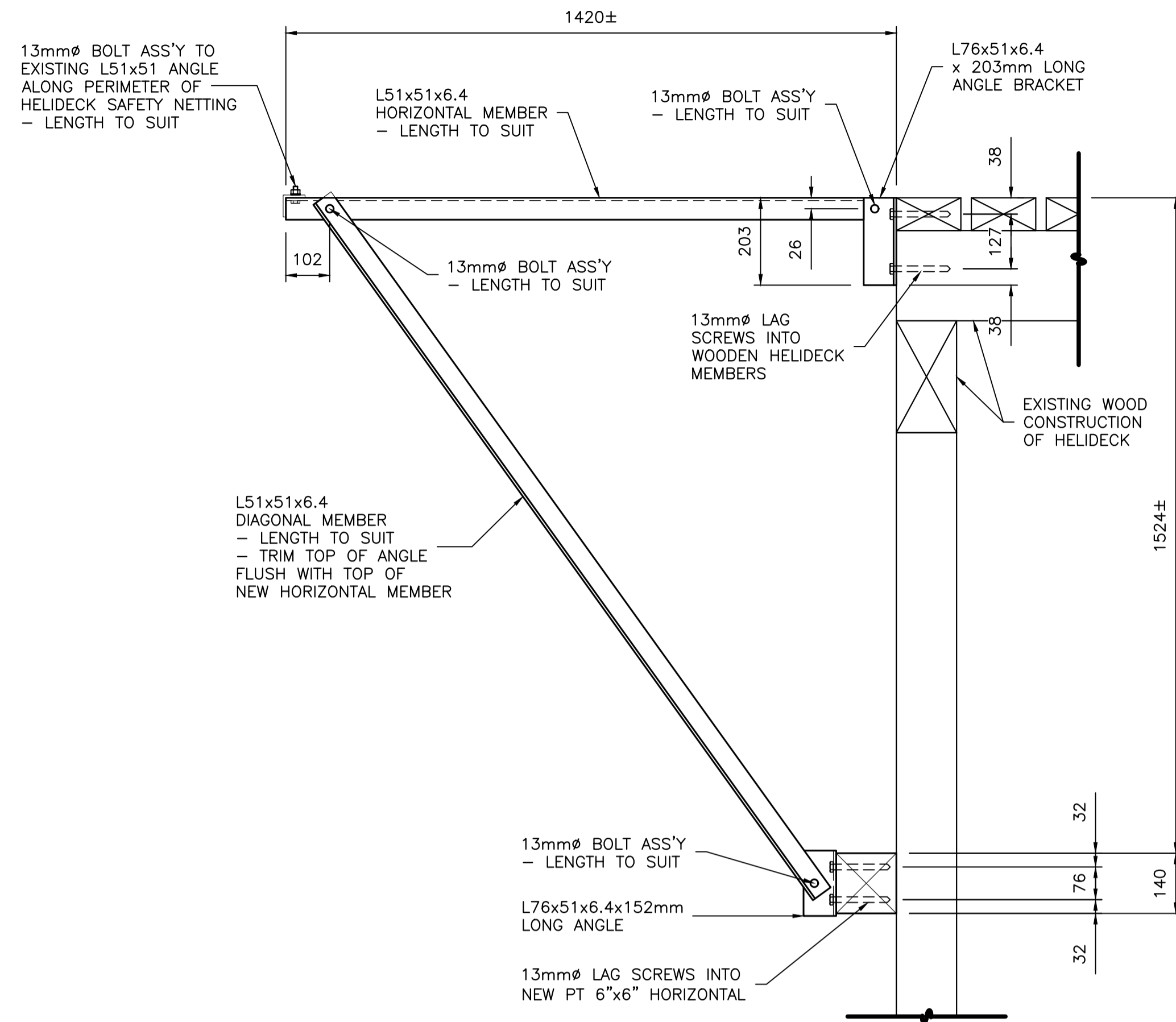
Drawing – dessin
ELEVATIONS

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date – date	2020-JAN-17	checked – verifie	J. WALSH
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project no. – projet no.	F6879-199209	drawing no. – no du dessin	1101002B007S05
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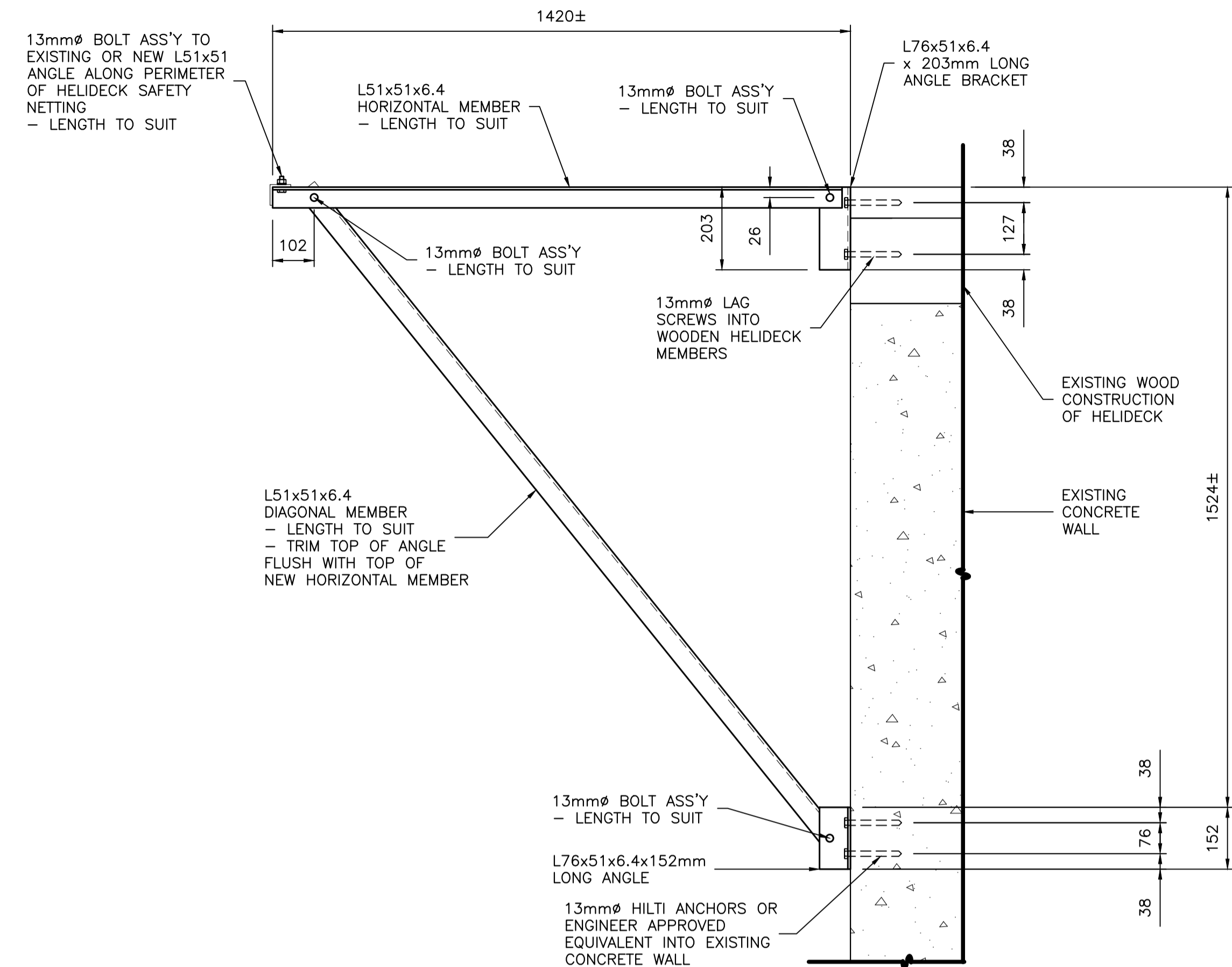


KEY LOCATION PLAN

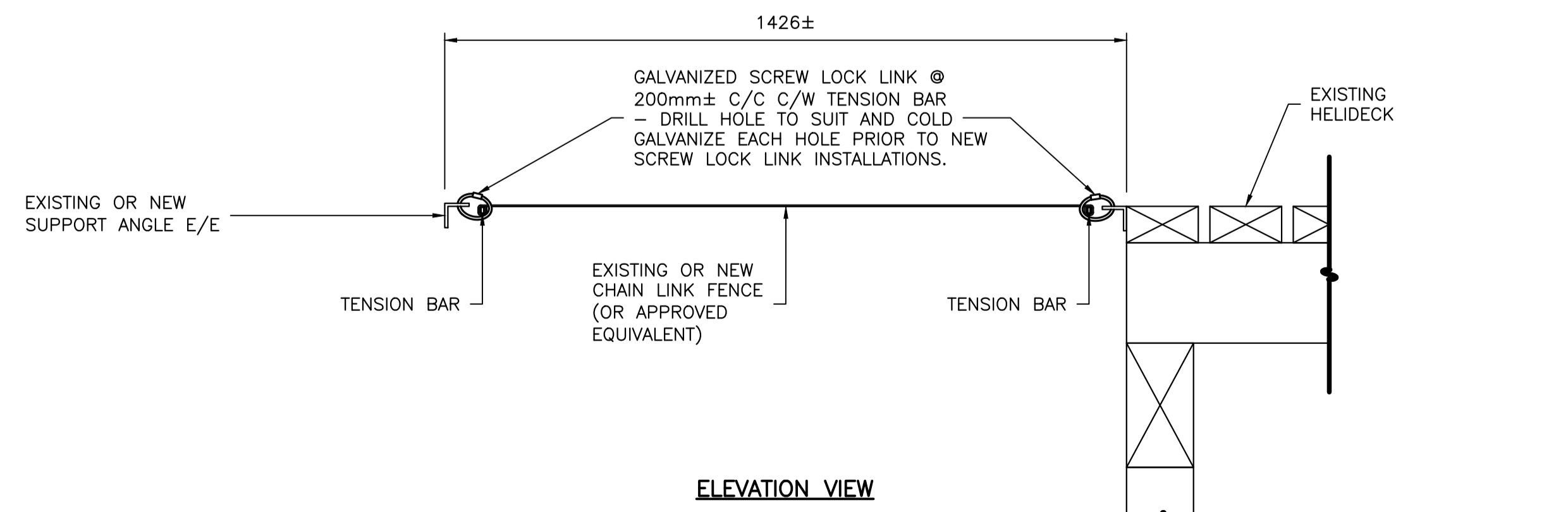
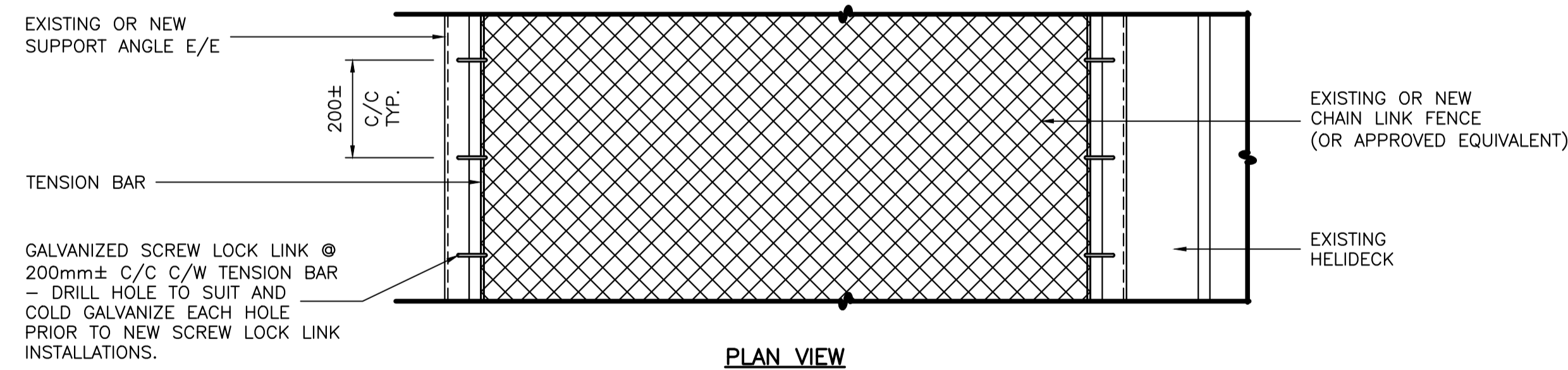
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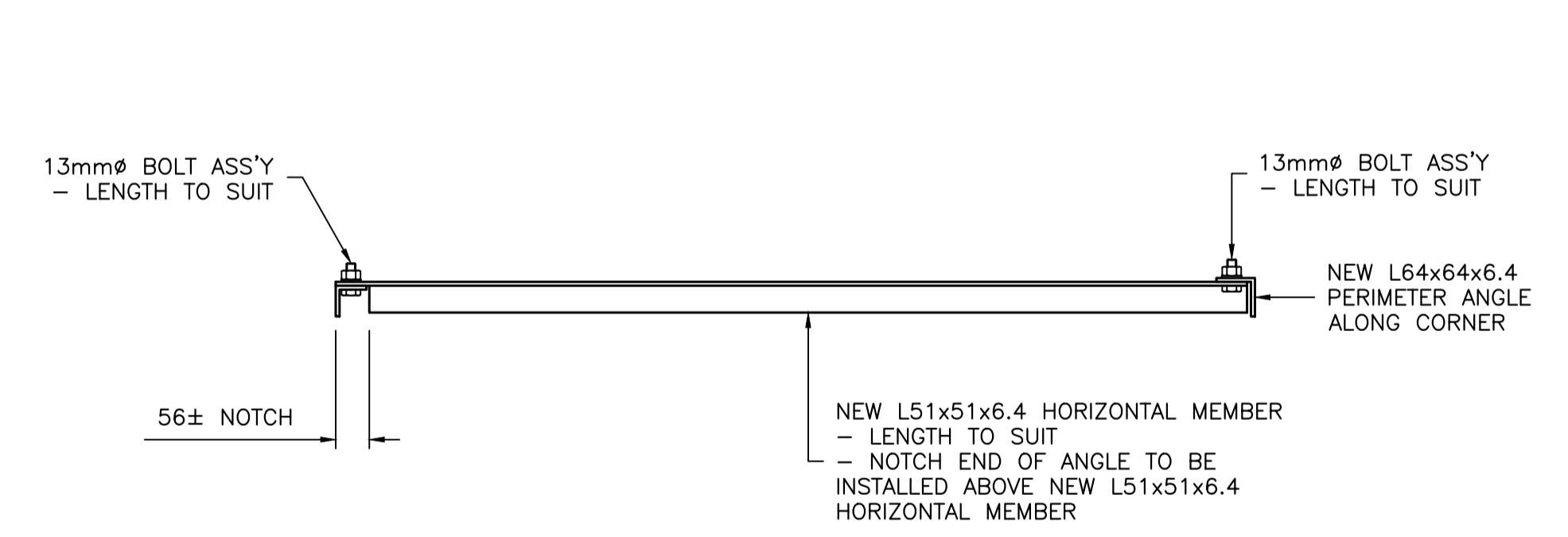
DETAIL - SAFTY NET ANGLE BRACE ALONG WOOD MEMBER EDGE (D) 6



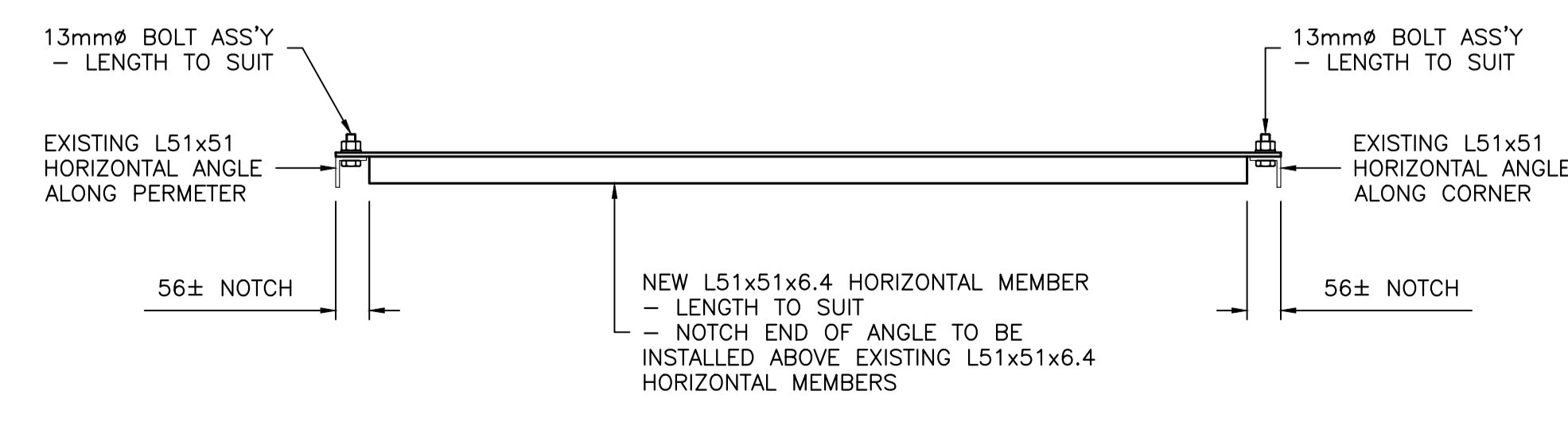
DETAIL - SAFTY NET ANGLE BRACE ALONG CONCRETE EDGE (E) 6



DETAIL - TYPICAL SAFETY NET REPAIR (H) 6



DETAIL - ANGLE CONNECTION (F) 6



DETAIL - ANGLE CONNECTION (G) 6

PROFESSIONAL ENGINEER
 JONATHAN E. WALSH
 SIGNATURE
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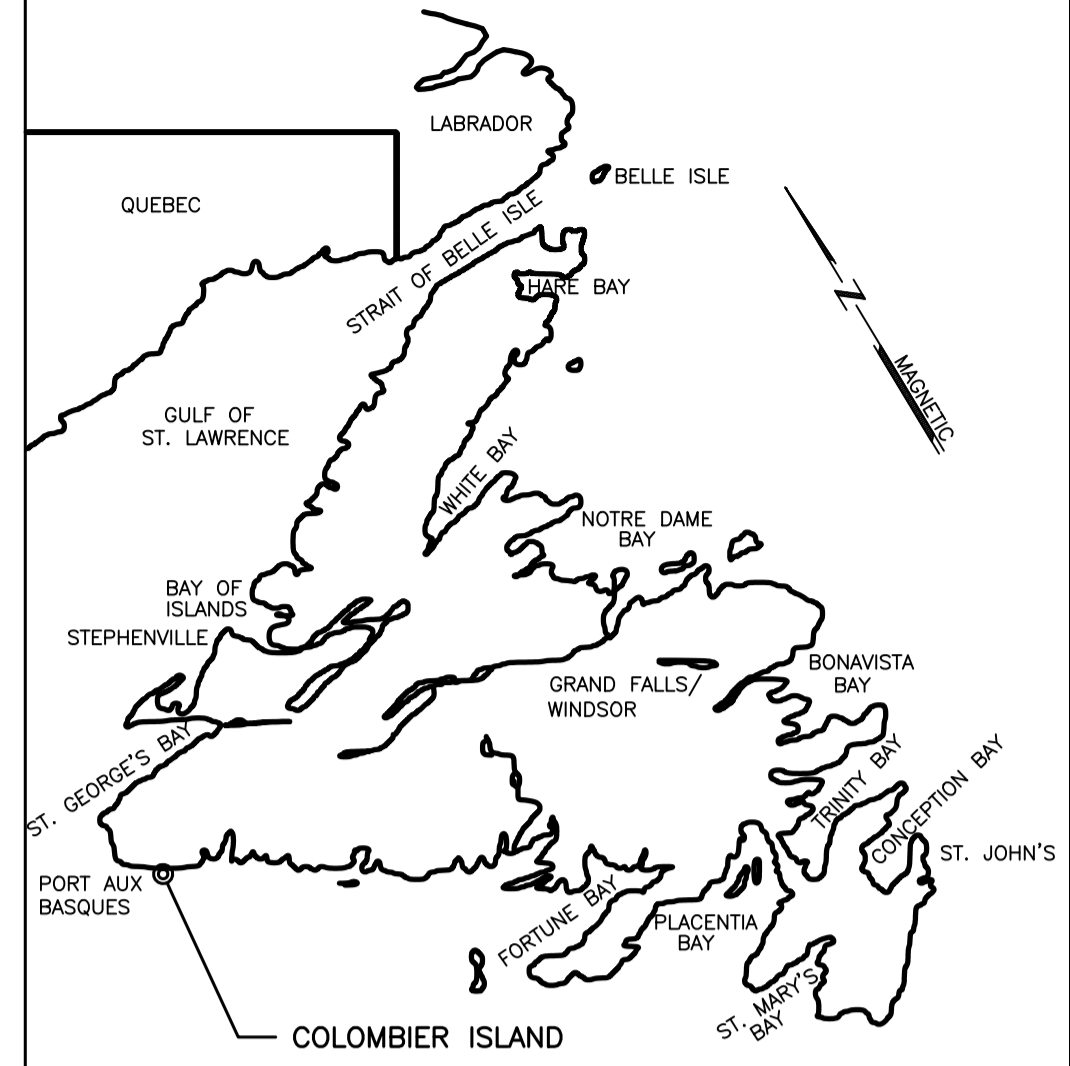
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COLOMBIER ISLAND

Drawing - dessin
DETAILS

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scale - echelle	AS SHOWN	approved for tender - approuve pour l'offre	-
project no. - projet no.	F6879-199209	drawing no. - no du dessin	1101002B007S06
		sheet - feuille	6 OF 10



KEY LOCATION PLAN

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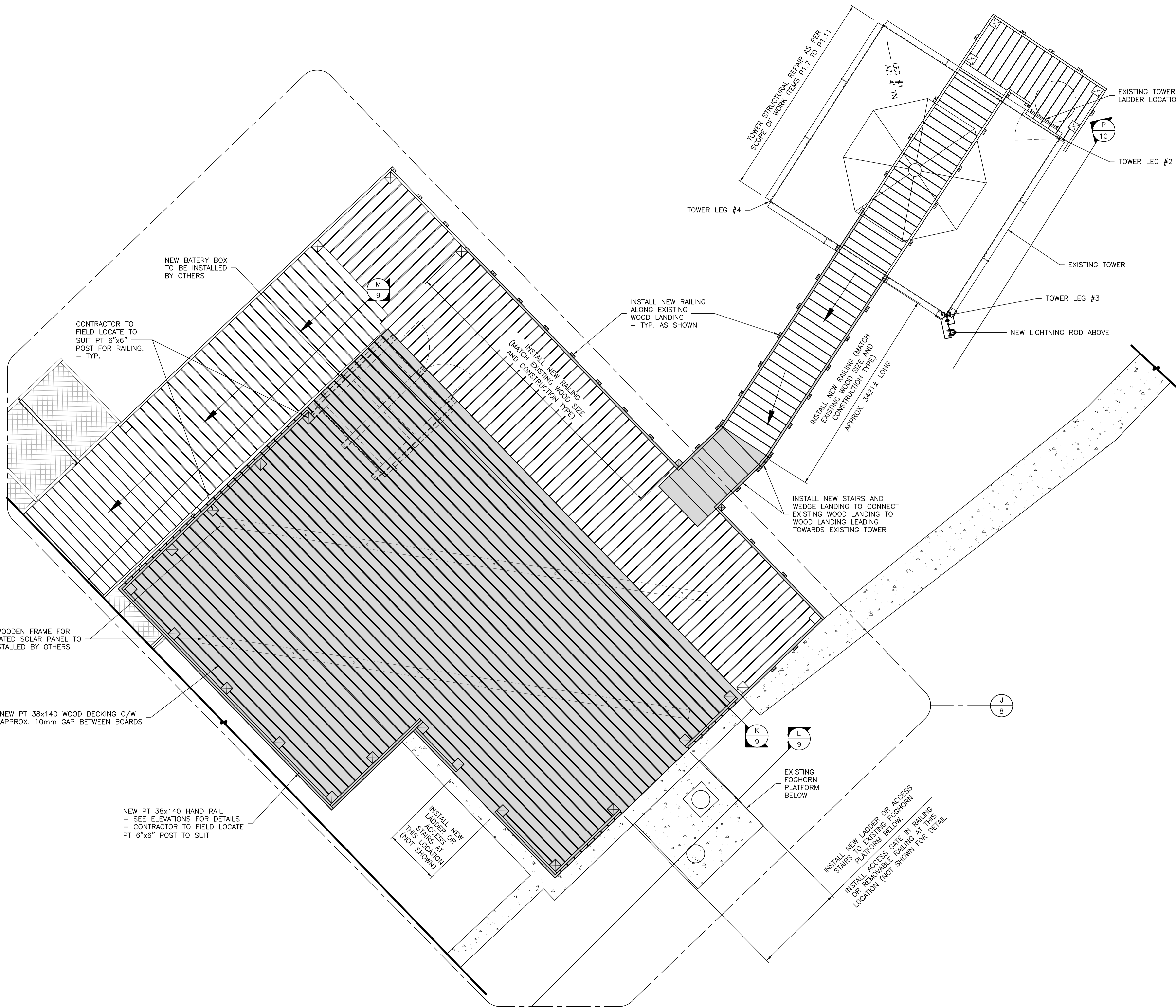
Project - projet

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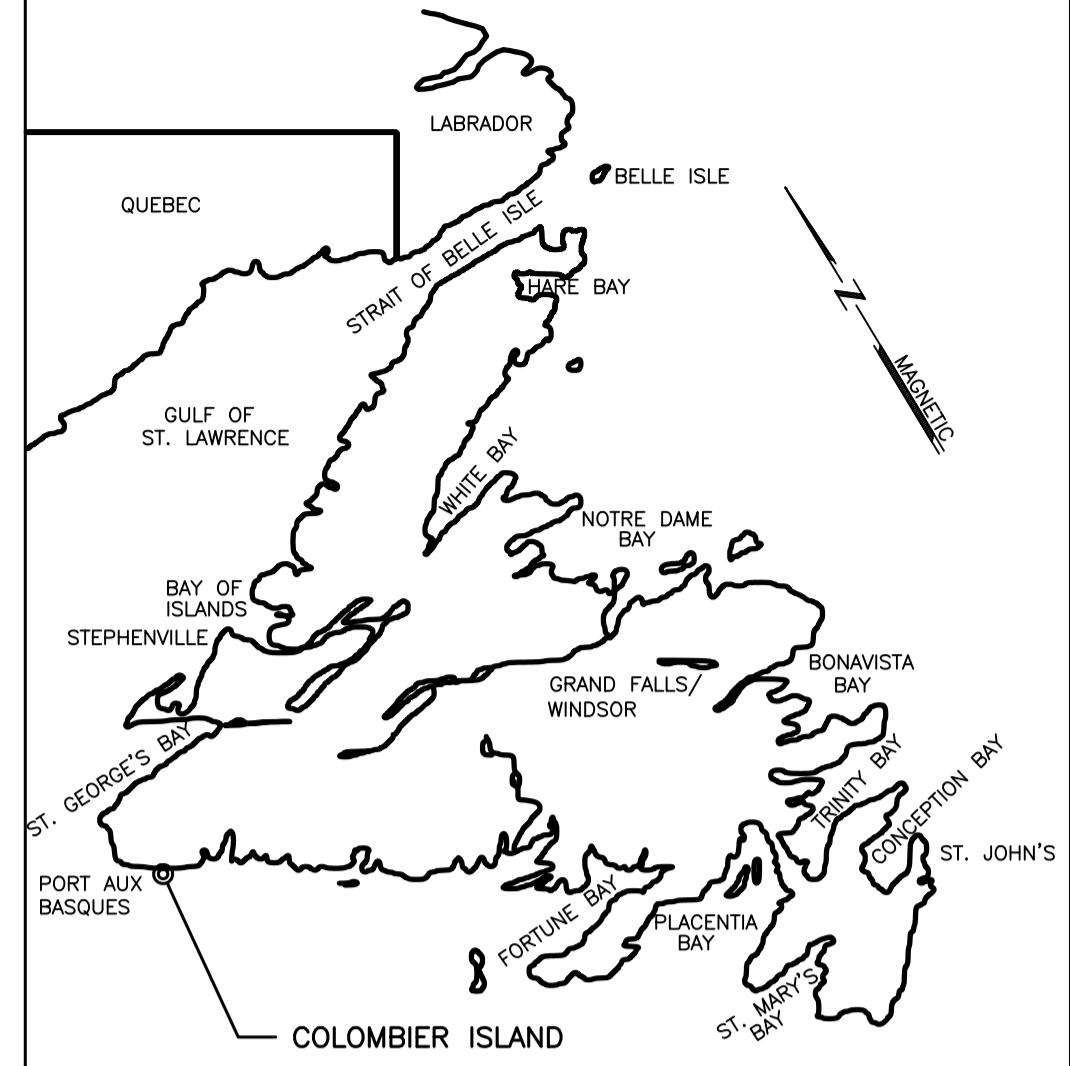
Drawing - dessin

**DETAIL - REPAIR
PLANNED SITE PLAN**

drawn - dessine	J. DOYLE	designed - dessiné par	C. BARRON
date - date	2020-JAN-17	checked - vérifié	J. WALSH
scale - échelle	AS SHOWN	approved for tender - approuvé pour l'offre	-
project no. - projet no.	F6879-199209	drawing no. - no du dessin	1101002B007S07
		sheet - feuille	7 OF 10



DETAIL - REPAIR / PLANNED SITE PLAN
 1:30



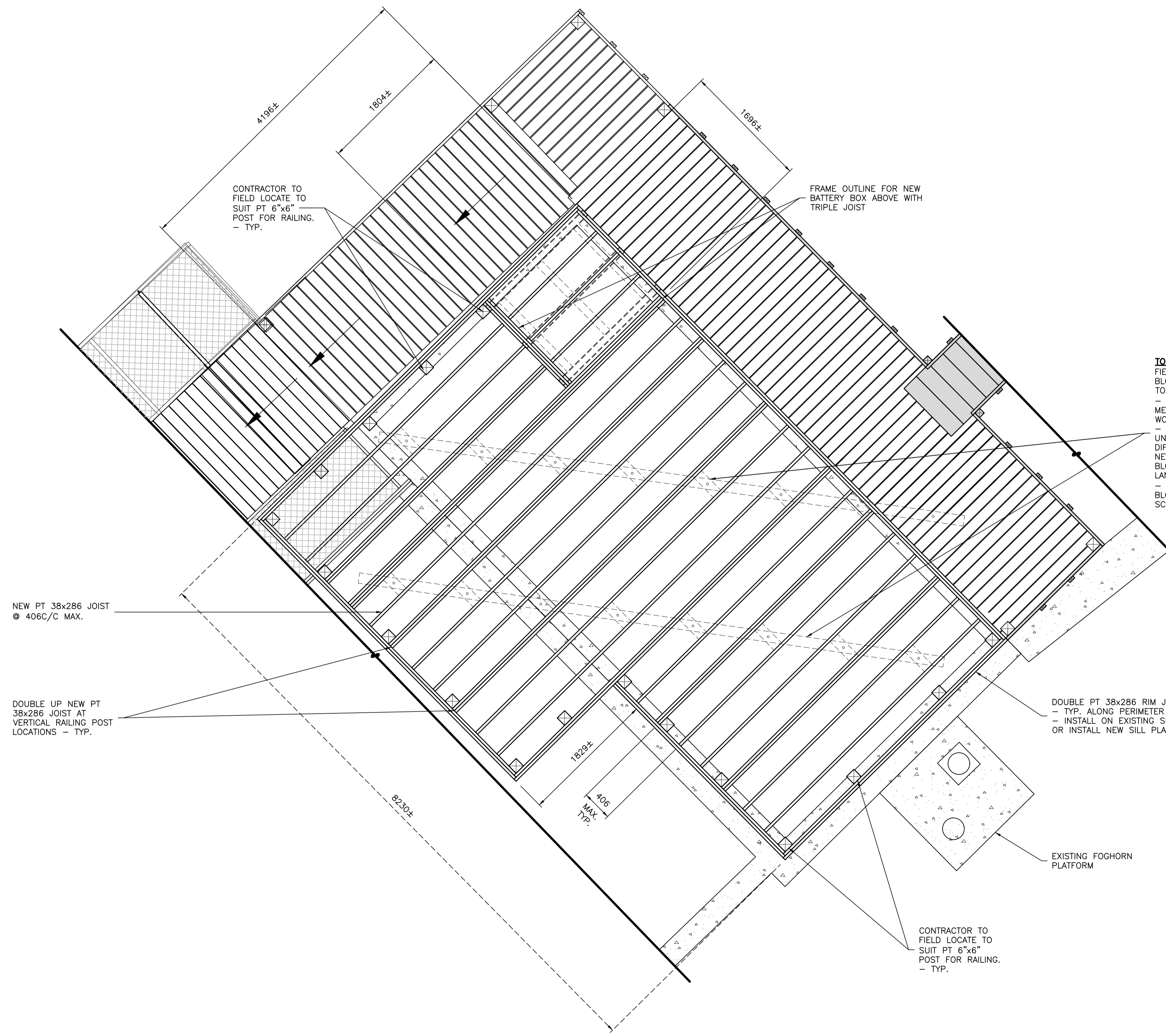
KEY LOCATION PLAN

GENERAL NOTES:

- DO NOT SCALE DRAWINGS.
- ALL DIMENSIONS IN MILLIMETERS U/N.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THIS WORK.
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- ALL THIRD PARTY PRODUCTS SHALL BE INSTALLED IN STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. CONTRACTOR TO OBTAIN ANY TRAINING REQUIRED BY MANUFACTURER PRIOR TO INSTALLATION.

TO BE INSTALLED BY OTHERS

FIELD LOCATE AND INSTALL NEW PT 6"x6" WOOD BLOCKING EVERY 2ND SPAN BETWEEN NEW JOIST PRIOR TO INSTALLING WOODEN DECK BOARDS.
 - FIELD LOCATE AND INSTALL NEW PT 6"x6" WOOD MEMBERS FOR RELOCATED SOLAR PANELS AFTER NEW WOODEN DECK BOARDS HAVE BEEN INSTALLED
 - CONTRACTOR TO INSTALL WOOD BLOCKING UNDERNEATH NEW WOOD MEMBERS TO SUIT HEIGHT DIFFERENCE BETWEEN EXISTING WOOD LANDING AND NEW WOOD DECKING. **NOTE:** WILL NEED TO INSTALL NEW BLOCKING SIMILAR ABOVE UNDERNEATH EXISTING WOOD LANDING TO SUIT.
 - INSTALL NEW PT 6"x6" WOOD MEMBERS TO WOOD BLOCKING BELOW WITH 25mmØ x 254mm± LONG LEG SCREWS OR APPROVED EQUIVALENT.

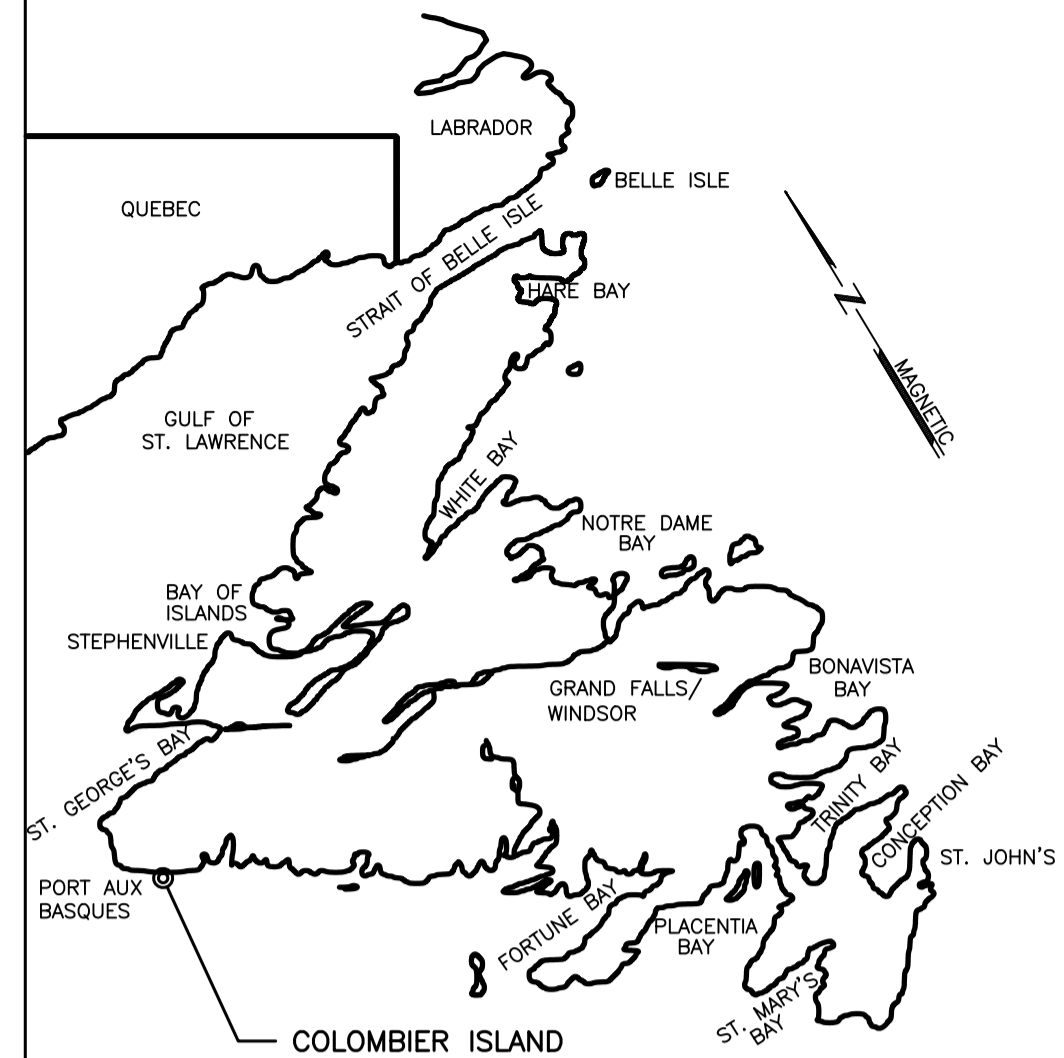


1	ISSUED FOR TENDER	2020-01-17	J.D.	C.B./J.W.
C	ISSUED FOR FINAL REVIEW	2019-12-20	J.D.	C.B./J.W.
B	ISSUED FOR 99% REVIEW	2019-12-02	J.D.	C.B./J.W.
A	ISSUED FOR 99% REVIEW	2019-09-16	J.D.	C.B./J.W.
no.	revision	date	by	approved
no.	revision	date	par	approve

Project - projet
COLOMBIER ISLAND

Drawing - dessin
DETAIL - NEW WOODEN DECK FRAMING

drawn - dessine	J. DOYLE	designed - dessine par	C. BARRON
date - date	2020-JAN-17	checked - verifie	J. WALSH
scale - echelle	AS SHOWN	approved for tender - approuve pour l'offre	-
project no. - projet no.	F6879-199209	drawing no. - no du dessin	1101002B007S08
		sheet - feuille	8 OF 10



KEY LOCATION PLAN

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PROVINCE OF NEWFOUNDLAND AND LABRADOR
P.E.G. PERMIT HOLDER
 This Permit Allows
TILLER ENGINEERING INC.
 M.I.R.C. #02255
 To practice Professional Engineering in Newfoundland and Labrador, Permit No. as issued by PEG F0227, which is valid for the year 2020.

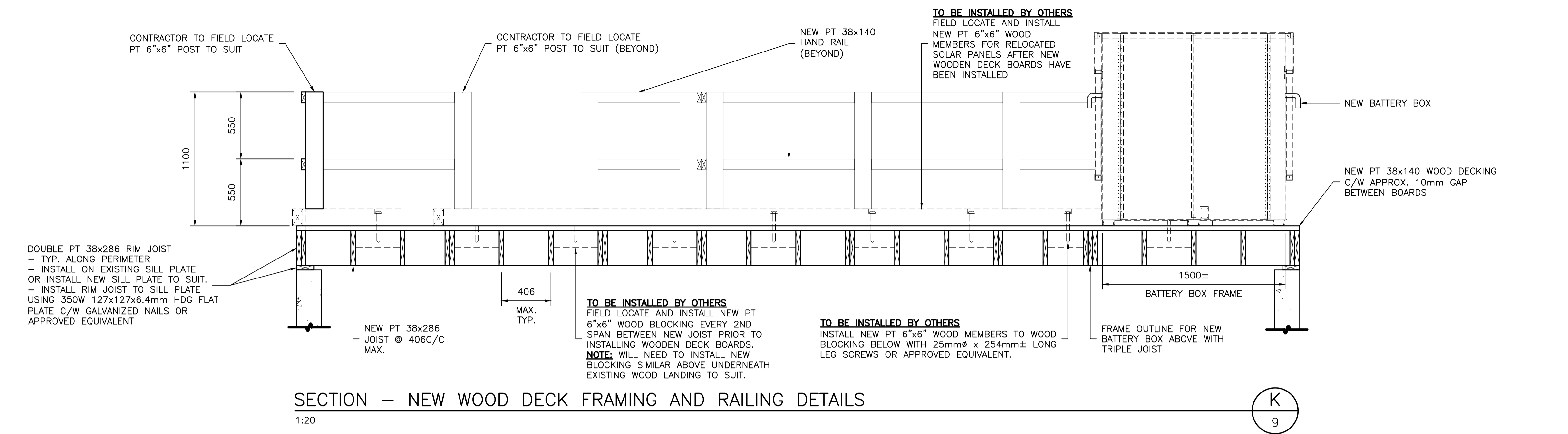
JONATHAN E. WALSH
 SIGNATURE
 JAN 17/2020
 DATE
 NEWFOUNDLAND & LABRADOR

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no.	revision	date	by	approved
no.	revision	date	par	approve

Project - projet
COLOMBIER ISLAND

Drawing - dessin
SECTION AND ELEVATIONS

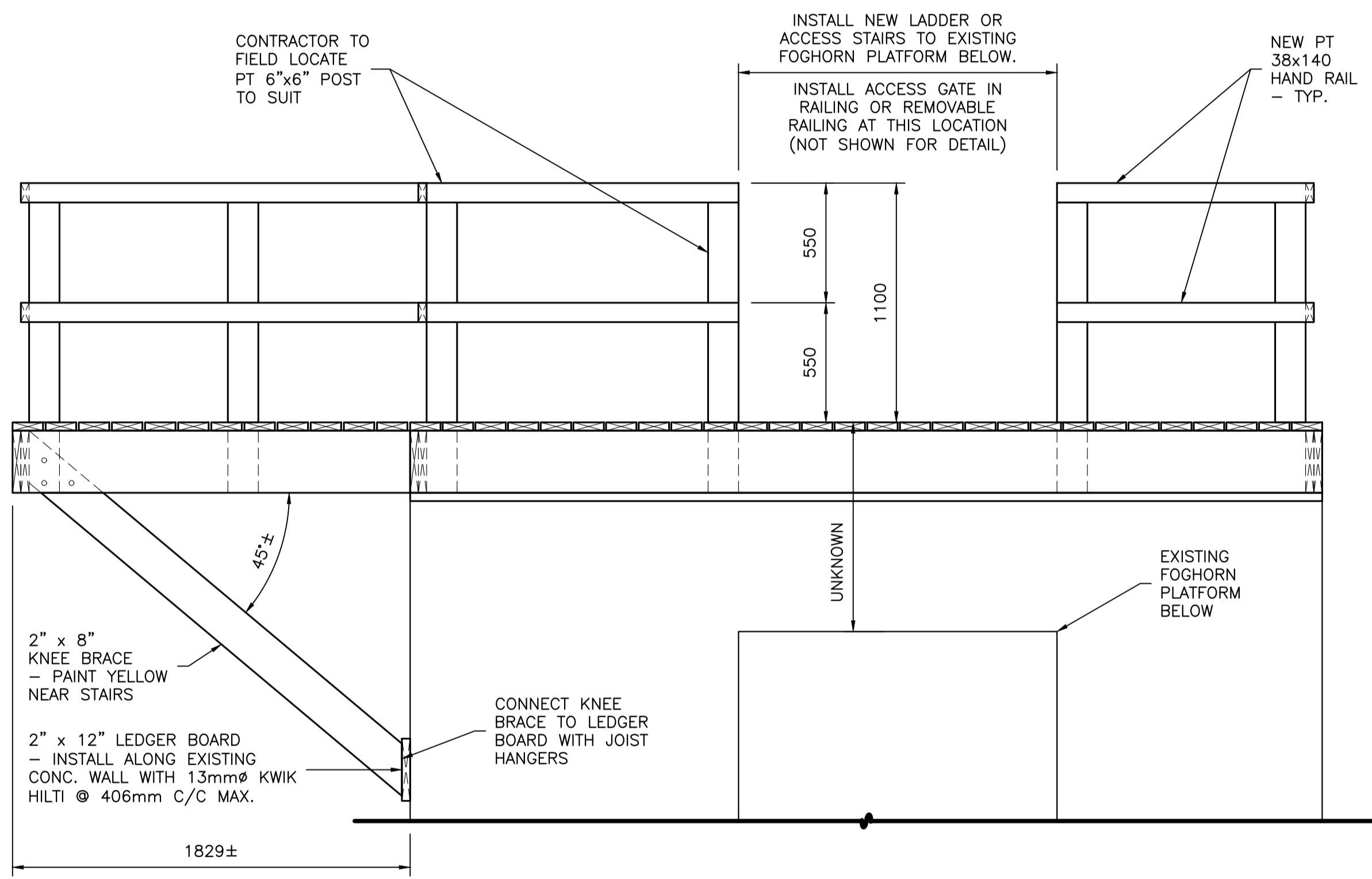
drawn - dessiné	J. DOYLE	designed - dessiné par	C. BARRON
date - date	2020-JAN-17	checked - vérifié	J. WALSH
scale - échelle	AS SHOWN	approved for tender - approuvé pour l'offre	-
project no. - projet no.	F6879-199209	drawing no. - no du dessin	1101002B007S09
		sheet - feuille	9 OF 10



SECTION - NEW WOOD DECK EXISTING WOOD LANDING AND RAILING DETAILS

1:20

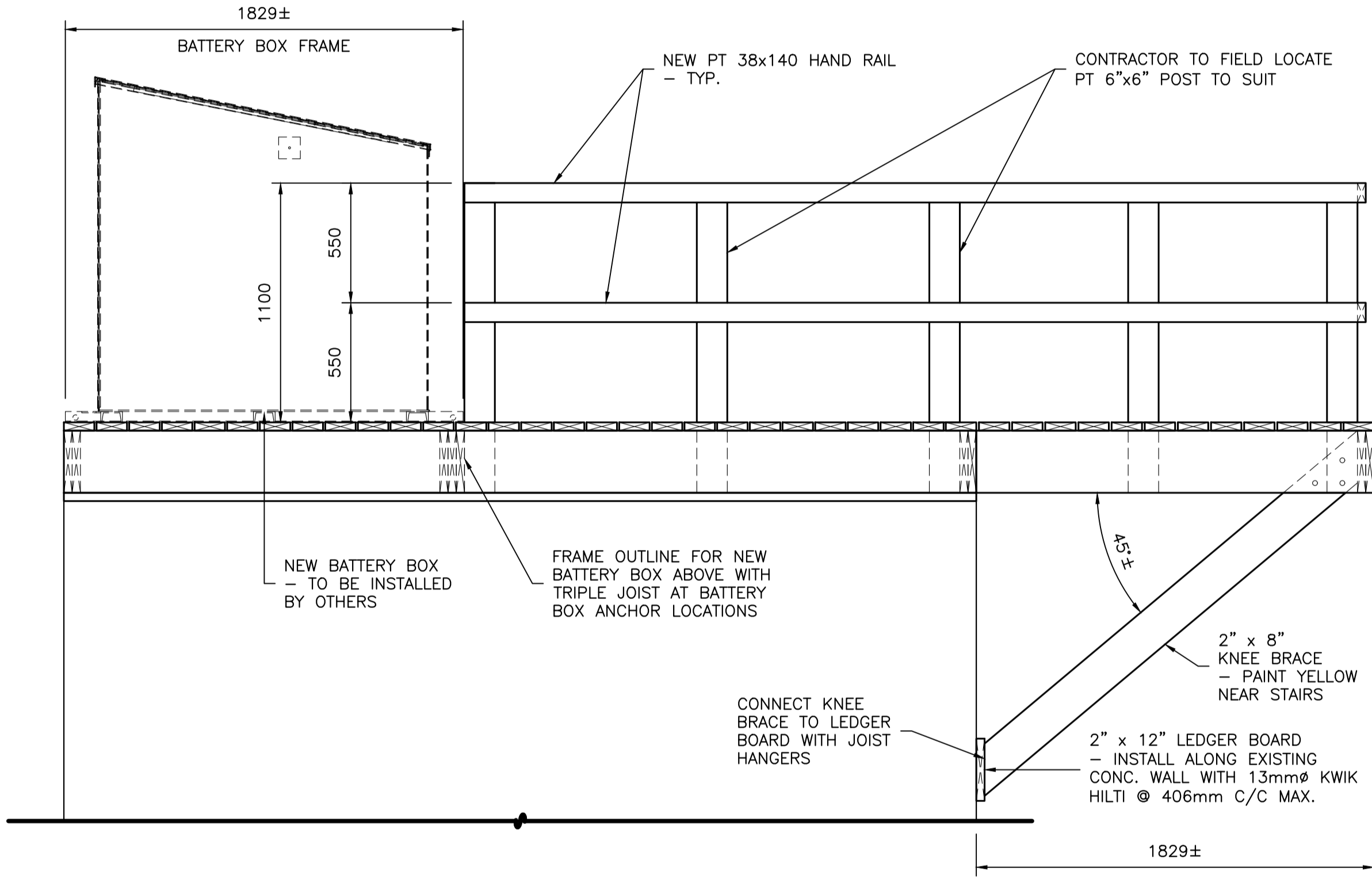
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ELEVATION - RAILING DETAILS

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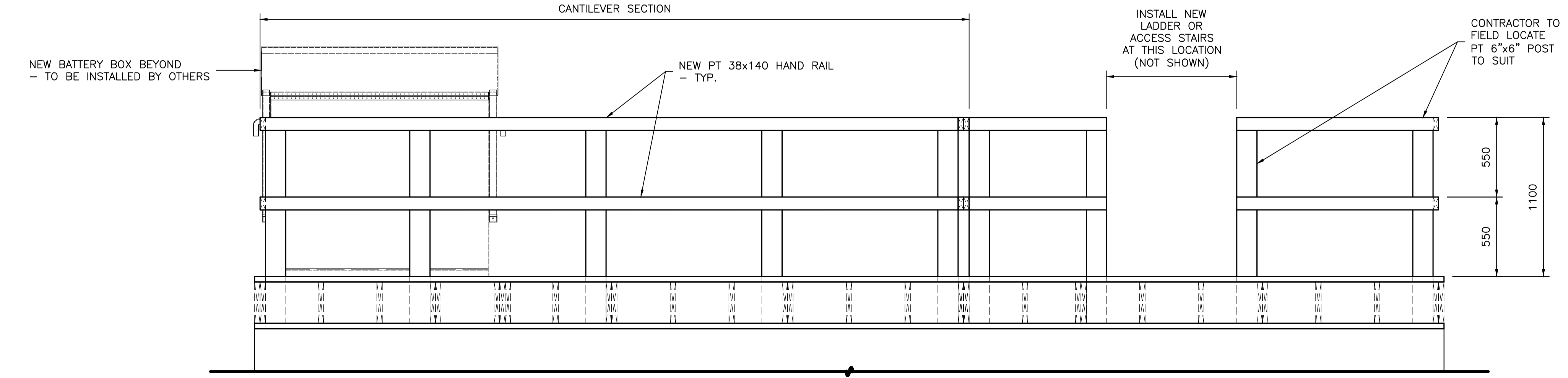
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ELEVATION - NEW WOOD DECK FRAMING AND RAILING DETAILS

1:20

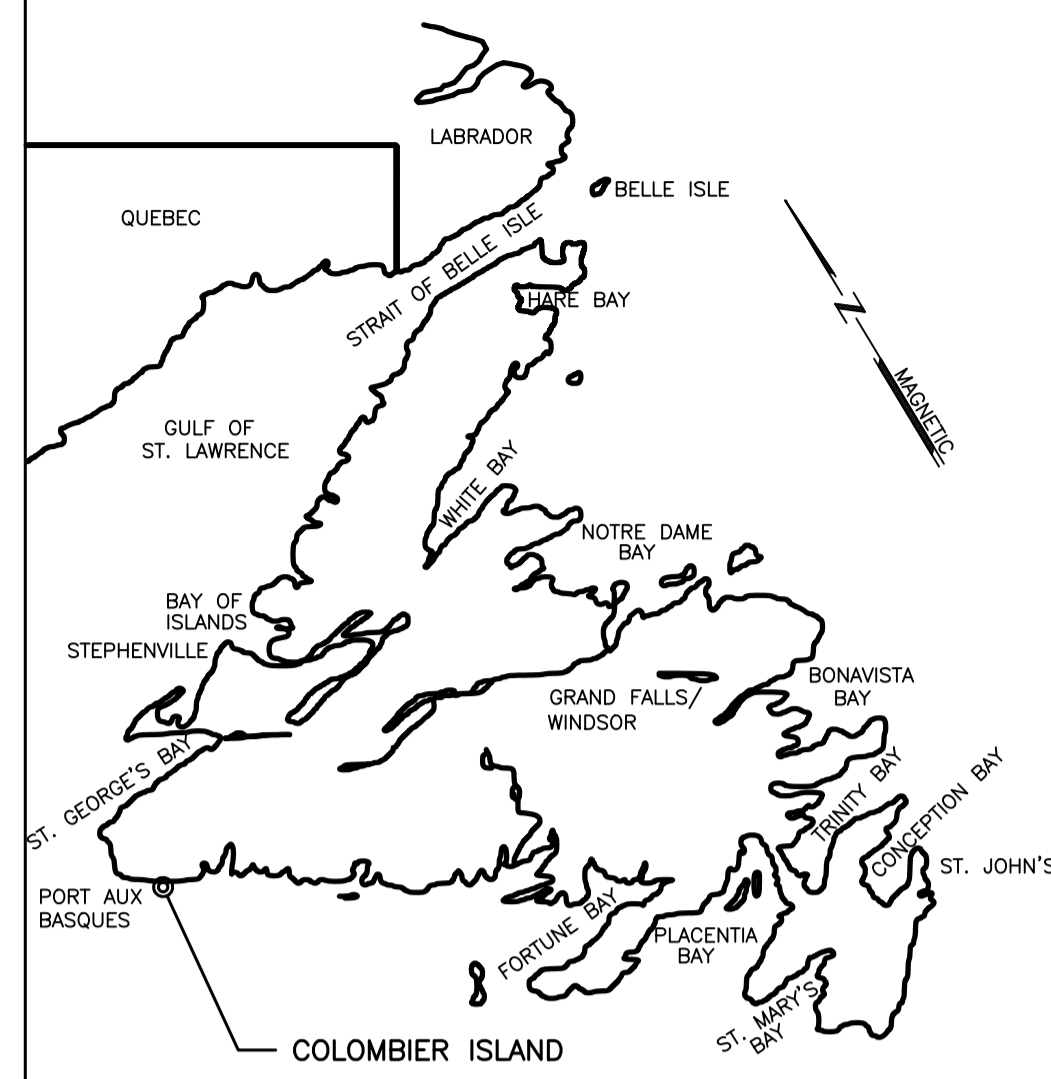
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ELEVATION - NEW WOOD DECK FRAMING AND RAILING DETAILS

1:20

N
9



KEY LOCATION PLAN

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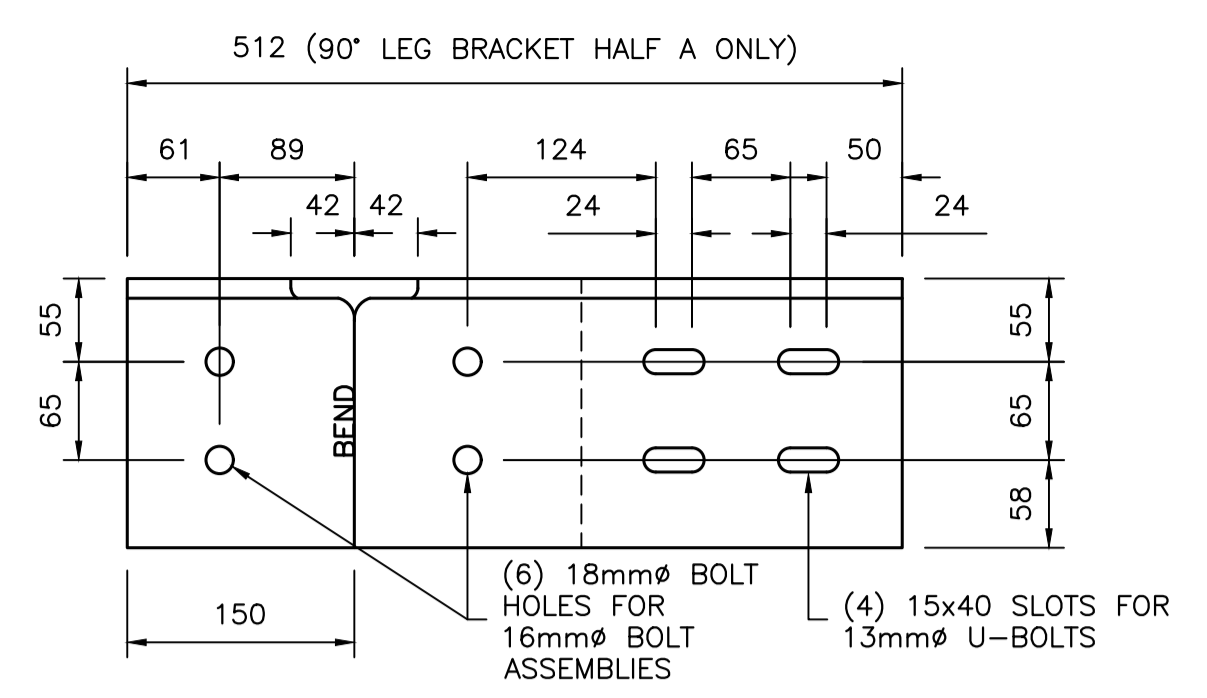
PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
 This Permit Allows
TILLER ENGINEERING INC.
 MIRC #02255
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no.	revision	date	by	approved
	revision	date	par	approuvé

Project - projet
COLOMBIER ISLAND
 Drawing - dessin

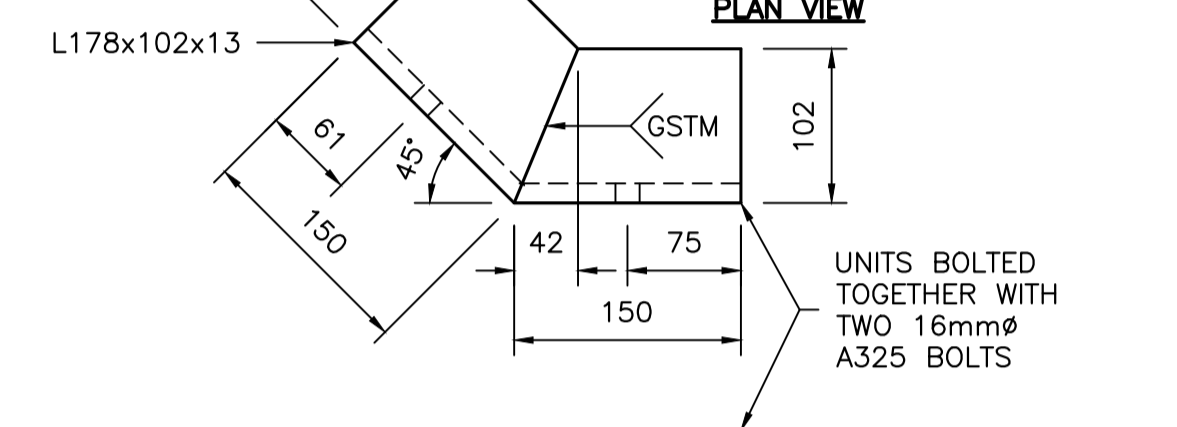
LIGHTNING ROD CONNECTION

drawn - dessiné	J. DOYLE	designed - dessiné par	C. BARRON
date - date	2020-JAN-17	checked - vérifié	J. WALSH
scale - échelle	AS SHOWN	approved for tender - approuvé pour l'offre	
project no. - projet no.	F6879-199209	drawing no. - no du dessin	1101002B007S10
		sheet - feuille	10 OF 10



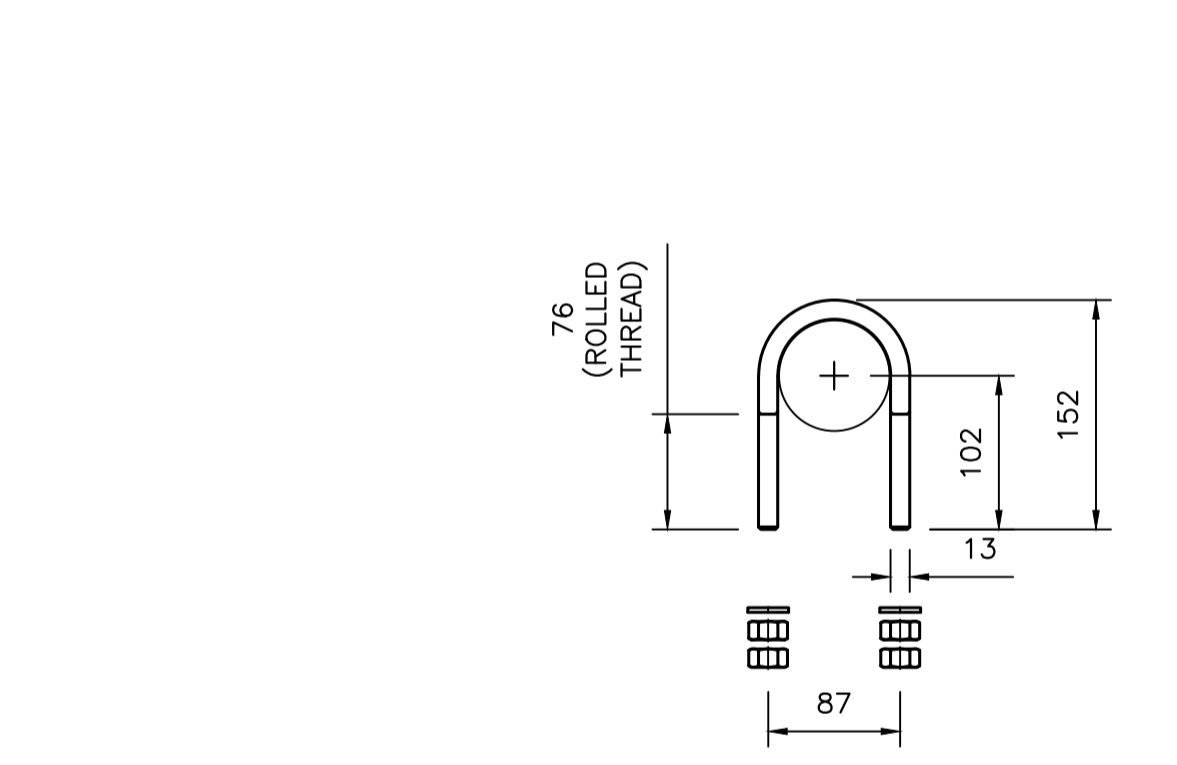
ELEVATION VIEW

90° LEG BRACKET HALF B
 NAME: 90° LEG BRACKET HALF B
 MATERIAL: L178x102x13x300
 GRADE: G40.21-300W
 FINISH: HDG
 QTY: 2



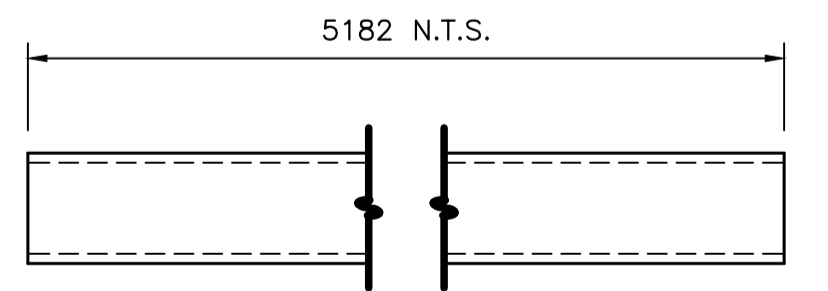
PLAN VIEW

90° LEG BRACKET HALF A
 NAME: 90° LEG BRACKET HALF A
 MATERIAL: L178x102x13x512
 GRADE: G40.21-300W
 FINISH: HDG
 QTY: 2

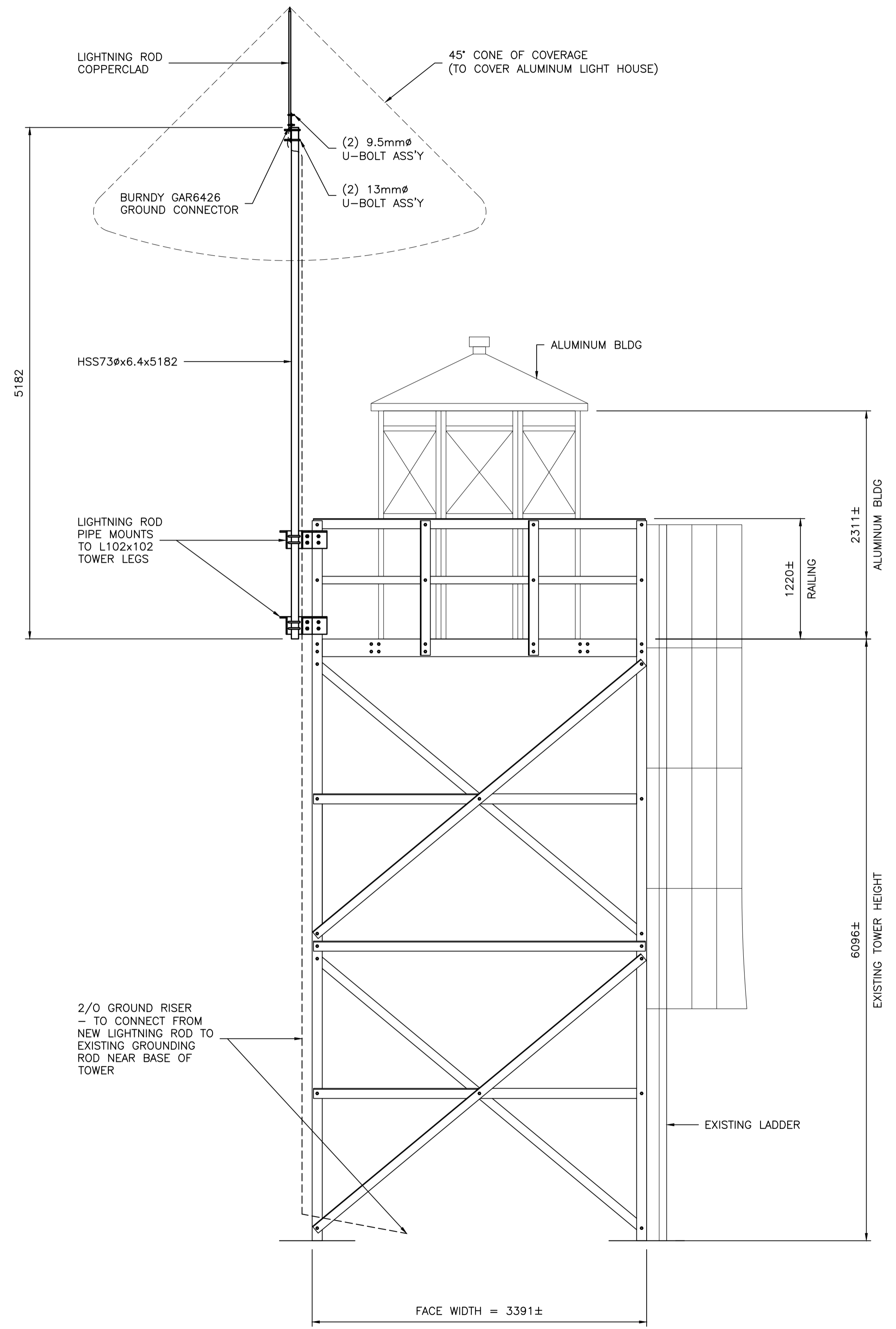


PLAN VIEW

U-BOLT ASS'Y
 NAME: U-BOLT ASS'Y (FITS HSS73ø)
 MATERIAL: 13mmø (1/2") SOLID ROUND BAR
 GRADE: ASTM A307 / NUTS, F.W., L.W. Gr.5
 FINISH: HDG
 QTY: 4



HSS73øx6.4x5182
 NAME: LIGHTNING ROD CONNECTION PIPE
 MATERIAL: HSS73øx6.4x5182
 GRADE: G40.21-350W
 FINISH: HDG
 QTY: 1



NOTE:
 - (12) 16mmø A325 BOLT ASS'Y (LENGTH TO SUIT) REQUIRED (NOT SHOWN ON THIS SHEET)
 - PART DRAWINGS ABOVE ARE FOR MOUNTING THE LIGHTNING ROD PIPE TO TOWER LEG ONLY
 - ASSUME LIGHTNING ROD IS PRE-ASSEMBLED AND CAN BE INSTALLED TO TOP OF NEW MOUNTING PIPE.