

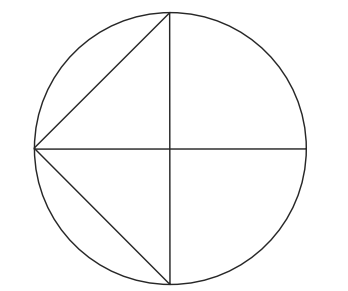
VASEUX LAKE BOARDWALK REPLACEMENT PROJECT



TURN TO TURN DISTANCES			
B1 → B2 = 1.42 m	B22 → B24 = 6.79 m		
B2 → B8 = 18.96 m	B24 → B33 = 30.96 m W/ PLATFORM @ 10.59 m ± (OVER WATER)		
B8 → B12 = 13.0 m	B33 → B36 = 8.67 m		
B12 → B13 = 3.05 m	B36 → B47 = 39.65 m		
B13 → B19 = 21.86 m	B47 → B53 = 18.47 m W/ PLATFORM @ 15.50 m (OVER WATER)		
B19 → B22 = 9.69 m	B53 → B58 = 16.40 m		

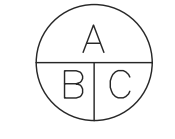
Vaseux Lake Bent and Span Descriptions		
Bent Label	Layout Notes	Reference Detail (See Drawing S3.0)
B1	AT EXISTING VIEWING PLATFORM	
B2	TURN	DETAIL 2
B3		DETAIL 2
B4		DETAIL 2
B5		DETAIL 2
B6		DETAIL 2
B7		START DETAIL 3 ON NORTH SIDE
B8	TURN	DETAIL 3 ON NORTH SIDE
B9		START DETAIL 3 ON NORTH SIDE
B10		DETAIL 2
B11		DETAIL 2
B12	TURN	START DETAIL 3 ON SOUTH SIDE
B13	TURN	DETAIL 3 ON SOUTH SIDE
B14		START DETAIL 3 ON SOUTH SIDE
B15		DETAIL 2
B16		DETAIL 2
B17		DETAIL 2
B18		DETAIL 2
B19	TURN	DETAIL 2
B20		DETAIL 2
B21		DETAIL 2
B22	TURN	DETAIL 2
B23		START DETAIL 1
B24	TURN	DETAIL 1
B25		DETAIL 1
B26		DETAIL 1
B27	VIEWING PLATFORM	START DETAIL 4
B28	VIEWING PLATFORM	DETAIL 4
B29	VIEWING PLATFORM	START DETAIL 4
B30		DETAIL 1
B31		DETAIL 1
B32		DETAIL 1
B33	TURN	START DETAIL 1
B34		DETAIL 2
B35		DETAIL 2
B36	TURN	DETAIL 2
B37		DETAIL 2
B38		DETAIL 2
B39		DETAIL 2
B40		DETAIL 2
B41		DETAIL 2
B42		DETAIL 2
B43		DETAIL 2
B44		DETAIL 2
B45		DETAIL 2
B46		DETAIL 2
B47	TURN	DETAIL 1
B48		DETAIL 1
B49		DETAIL 1
B50		DETAIL 1
B51		DETAIL 1
B52	VIEWING PLATFORM	START DETAIL 4
B53	VIEWING PLATFORM	DETAIL 4
B54	TURN & VIEWING PLATFORM	START DETAIL 4
B55		DETAIL 2
B56		DETAIL 2
B57		START DETAIL 1
B58	START OF BOARDWALK	DETAIL 1

ORIENTATION SEAL



revision	description	date
04	RE-ISSUED FOR TENDER	SEP. 29/20
03	ISSUED FOR TENDER	DEC. 21/18
02	REVISED REVIEW SET	AUG. 20/18
01	ISSUED FOR OWNER REVIEW	JULY 16/18

Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the engineer of all discrepancies.

	A	Detail No.
	B	No. du détail
	C	drawing no. - where detail required / dessin no. - où détail exigé

project title / titre du projet
VASEUX-BIGHORN NATIONAL WILDLIFE AREA BOARDWALK REPLACEMENT PROJECT
 BRITISH_COLUMBIA

drawing title / titre du dessin
COVER_PAGE_AND GENERAL_ARRANGEMENT

drawn by / dessiné par BPT

designed by / conçu par MDB

approved by / approuvé par AC

tender soumission / project manager administrateur de projets
 ROD_KHALED

project date / date du projet 05/30/2018

project no. / no. du projet 2983

drawing no. / dessiné no. S1.0


LIST OF DRAWINGS

- S1.0 - COVER PAGE AND GENERAL ARRANGEMENT
- S2.0 - GENERAL NOTES
- S3.0 - SECTIONS

DRAWINGS

1. THIS SET OF DRAWINGS SHOWS THE COMPLETED PROJECT. THE DRAWINGS DO NOT SHOW COMPONENTS THAT MAY BE NECESSARY FOR CONSTRUCTION SAFETY. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR SAFETY IN AND ABOUT THE JOB SITE DURING CONSTRUCTION, AND THE DESIGN AND ERECTION OF ALL TEMPORARY STRUCTURES, FORMWORK, FALSE WORK, SHORING, ETC. REQUIRED TO COMPLETE THE WORK.
2. THE USE OF THESE DRAWINGS IS LIMITED TO THAT IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION" IN THE REVISIONS COLUMN, BY READ JONES CHRISTOFFERSEN LTD. THE DRAWINGS SHALL NOT BE USED FOR PRICING, COSTING, OR TENDER UNLESS SO INDICATED IN THE REVISION COLUMN. PRICING OR COSTING DRAWINGS ARE NOT COMPLETE AND ANY PRICES BASED ON PRICING OR COSTING DRAWINGS MUST INCLUDE ALLOWANCES FOR THIS.
3. THE INFORMATION ON THESE DRAWINGS SHALL NOT BE USED FOR ANY OTHER PROJECT OR WORKS. THE INFORMATION ON THESE DRAWINGS APPLIES SOLELY TO THIS PROJECT.
4. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS.

GENERAL

1. SECTION MARK SHOWN THUS  MEANS SECTION #4 ON DRAWING S3.
2. THE GENERAL CONTRACTOR SHALL REVIEW ALL THE DRAWINGS AND SPECIFICATIONS AND CHECK DIMENSIONS BEFORE CONSTRUCTION. REPORT DISCREPANCIES BETWEEN STRUCTURAL AND OTHER DISCIPLINES DRAWINGS AND SPECIFICATIONS FOR CLARIFICATION.
3. **STRUCTURAL STEEL WORK**
SHALL CONFORM TO CSA S16 AND REFERENCED DOCUMENTS.
4. **STRUCTURAL WOOD FRAMING**
SHALL CONFORM TO CAN/CSA-086 AND REFERENCED DOCUMENTS.
5. DO NOT CUT OR DRILL ANY OPENINGS IN STRUCTURAL MEMBERS WITHOUT WRITTEN PERMISSION OF RJC.
6. **DEFINITIONS:**
 - A. **RJC:** READ JONES CHRISTOFFERSEN OR ITS REPRESENTATIVE.
 - B. **SPECIALTY STRUCTURAL ENGINEER:** A STRUCTURAL ENGINEER REGISTERED AND LICENSED TO PRACTICE BY THE PROFESSIONAL ENGINEERING ASSOCIATION HAVING JURISDICTION IN THE AREA WHERE THE STRUCTURE IS TO BE BUILT AND WHO IS RESPONSIBLE FOR THE DESIGN AND FIELD REVIEW OF:
 - STRUCTURAL ELEMENTS DESIGNED BY THE CONTRACTOR OR SUBCONTRACTORS, SUCH AS STRUCTURAL STEEL CONNECTIONS, STEEL PIPE OR HELICAL PILES, LIGHT WOOD FRAME TRUSSES, ETC.
 - C. **GENERAL CONTRACTOR:** FOR THE PURPOSES OF THESE DRAWINGS, THE USE OF THE TERM "CONTRACTOR" OR "GENERAL CONTRACTOR" SHALL REFER TO THE PRIME PERSON OR COMPANY RESPONSIBLE FOR CONSTRUCTION OF THE PROJECT AND THE COORDINATION OF TRADES AND SUBCONTRACTORS. THIS MAY BE THE GENERAL CONTRACTOR, OR A CONSTRUCTION MANAGER.

DESIGN CODE

1. THE COMPLETED BASE BUILDING STRUCTURE SHOWN ON THE STRUCTURAL DRAWINGS HAS BEEN DESIGNED IN SUBSTANTIAL ACCORDANCE WITH THE BRITISH COLUMBIA BUILDING CODE 2018, WHICH IS BASED ON THE NATIONAL BUILDING CODE OF CANADA 2015.

DESIGN LOADS

1. SPECIFIED UNIFORM LOADS kPa

	LIVE LOAD	DEAD LOAD
A. GROUND SNOW LOAD OF -----	1.1	} 0.5
PLUS A RAIN LOAD OF -----	0.1	
AND AN IMPORTANCE FACTOR Is = 1.0 ULS, 0.9 SLS		
B. WALKWAYS-----	4.8	0.2
2. **PILE DESIGN BY SPECIALTY STRUCTURAL ENGINEER**
PILES AT WALKWAY TO BE DESIGNED FOR FACTORED VERTICAL LOAD OF 30KN.
PILES AT VIEWING PLATFORM TO BE DESIGNED FOR FACTORED VERTICAL LOAD OF 60KN.

ALL PIPE/HELICAL PILES TO BE DESIGNED TO RESIST A MINIMUM FACTORED LATERAL LOAD OF 10% OF THE FACTORED VERTICAL LOAD, U.N.O. ON DRAWINGS.
3. **SEISMIC AND WIND DESIGN:**
THE LATERAL SYSTEM FOR THIS PROJECT IS DESIGNED FOR THE FOLLOWING EARTHQUAKE FACTOR:
Sa (0.2) = 0.29

AND THE FOLLOWING WIND LOADS AND FACTORS:
q50 = 0.4 kPa, Iw = 1.0 ULS, 0.75 SLS

FIELD REVIEW BY READ JONES CHRISTOFFERSEN (RJC)

1. READ JONES CHRISTOFFERSEN PROVIDES FIELD REVIEW ONLY FOR THE WORK SHOWN ON THESE STRUCTURAL DRAWINGS. THIS REVIEW IS NOT A "FULL TIME" REVIEW BUT IS CONDUCTED WITH SUCH FREQUENCY AS RJC DEEMS APPROPRIATE TO OBSERVE VARIOUS STAGES OF THE WORK AND TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY READ JONES CHRISTOFFERSEN. FIELD REVIEW BY READ JONES CHRISTOFFERSEN IS NOT CARRIED OUT FOR THE CONTRACTOR'S BENEFIT, NOR DOES IT MAKE READ JONES CHRISTOFFERSEN GUARANTORS OF THE CONTRACTOR'S WORK. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO BUILD THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. RJC SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUB-CONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. PROVIDE 48 HOURS ADVANCE NOTICE OF EACH REQUIRED FIELD REVIEW. FIELD REVIEWS SHALL BE SCHEDULED TO BE CARRIED OUT DURING NORMAL BUSINESS HOURS UNLESS SPECIAL ARRANGEMENTS ARE MADE WITH RJC.
3. THE WORK TO BE REVIEWED SHALL BE GENERALLY COMPLETE.



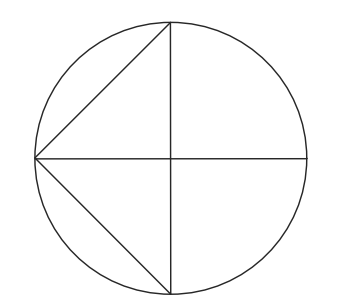
Environment and Climate Change Canada
Real Property Management Division
Technical Services

Environnement et Changement Climatique Canada
Division Gestion des Biens Immobilier
Services Techniques




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fax 604-738-1107
rjc.ca
RJC PROJECT NO. KEL.120812.0002

ORIENTATION

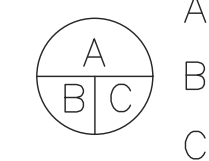


SEAL



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revision		date

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A Detail No.
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drawing no. - where detail required
dessin no. - où détail exigé
C drawing no. - where detailed
dessin no. - où détaillé

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VASEUX-BIGHORN NATIONAL WILDLIFE AREA BOARDWALK REPLACEMENT PROJECT
BRITISH COLUMBIA

drawing title
titre du dessin
GENERAL NOTES

drawn by
dessiné par BPT

designed by
conçu par MDB

approved by
approuvé par AC

tender submission project manager
administrateur de projets
ROD KHALED

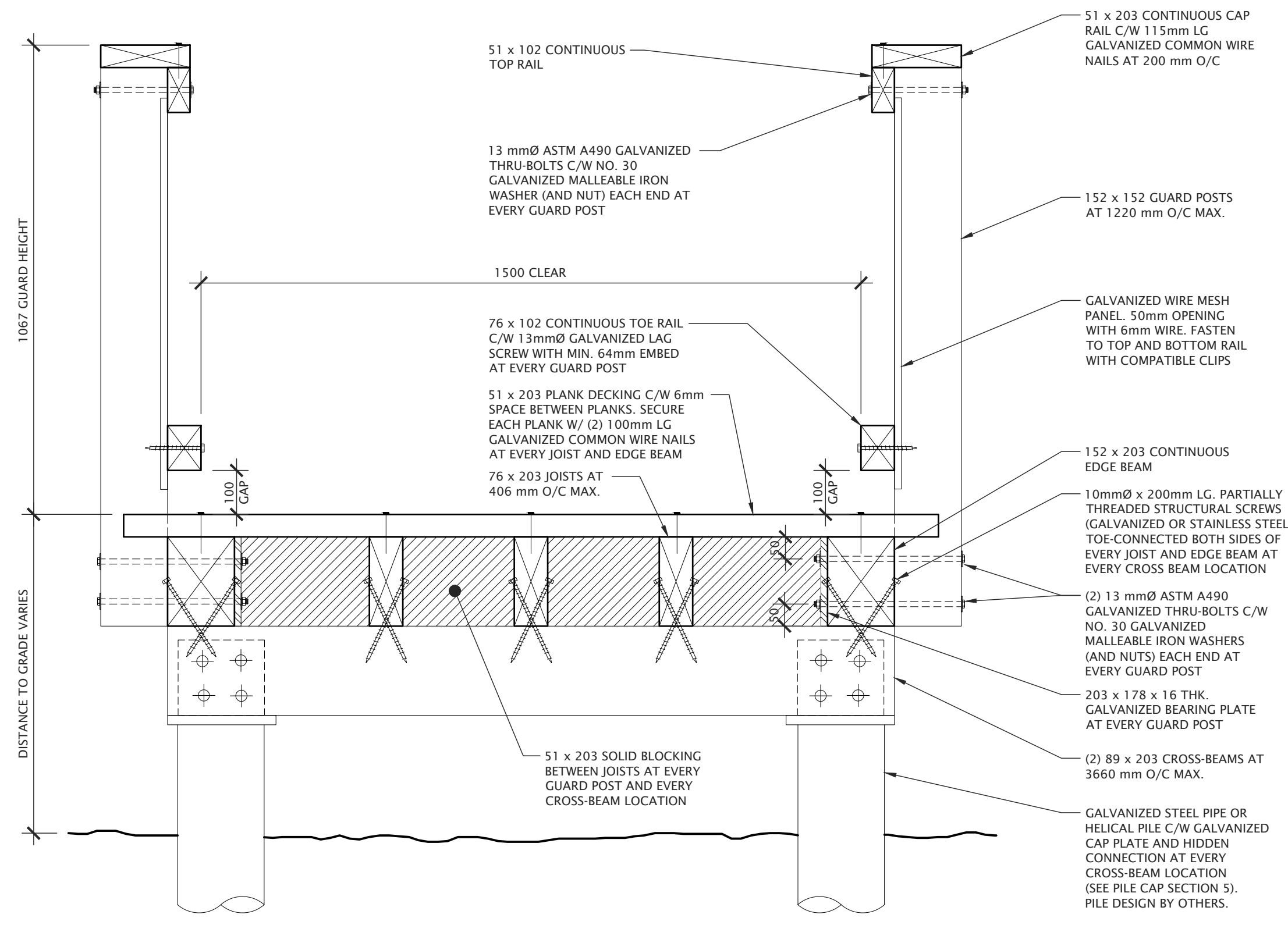
project date
date du projet 05/30/2018

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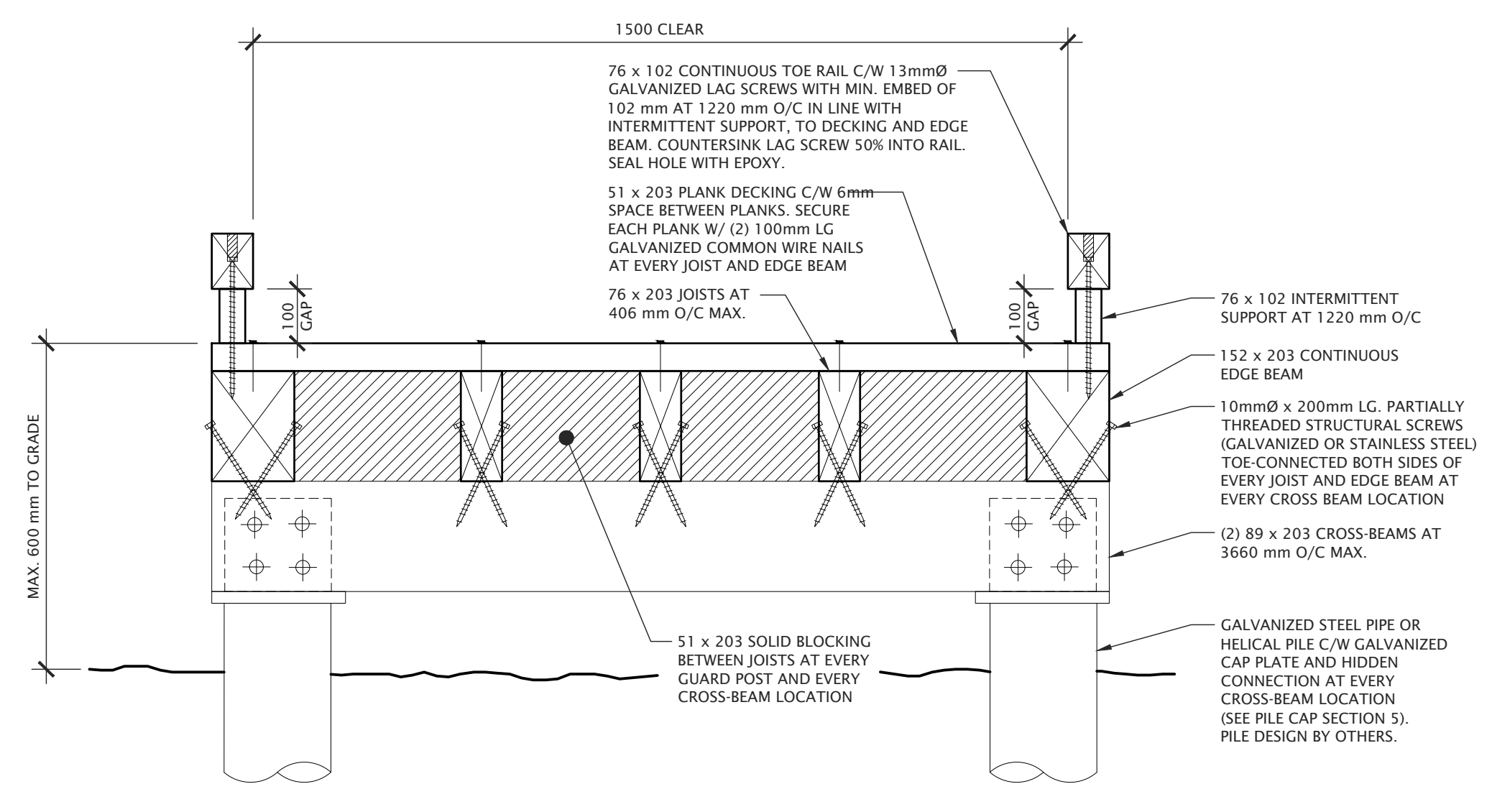
drawing no.
dessiné no. S2.0

ORIENTATION

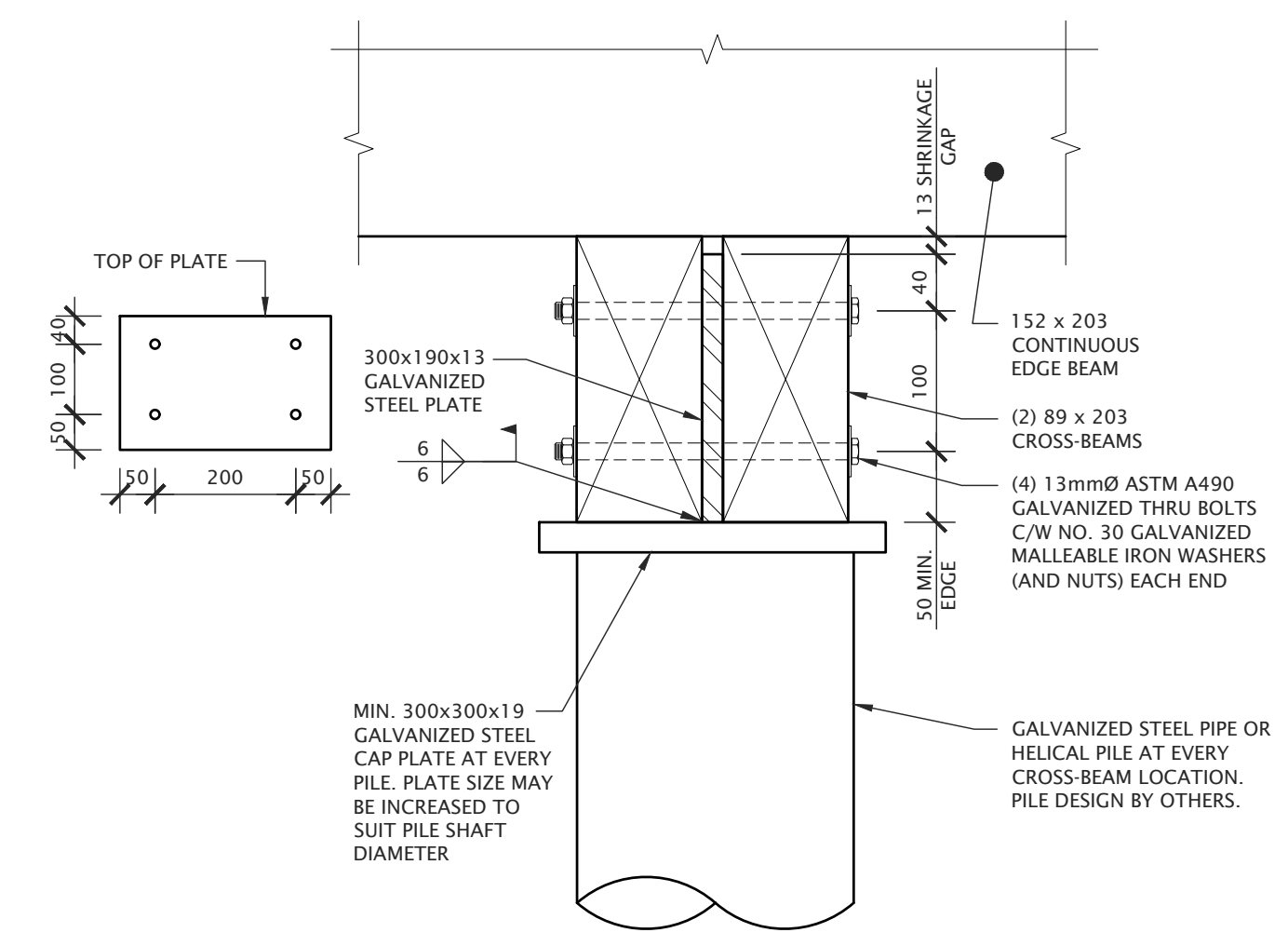
SEAL



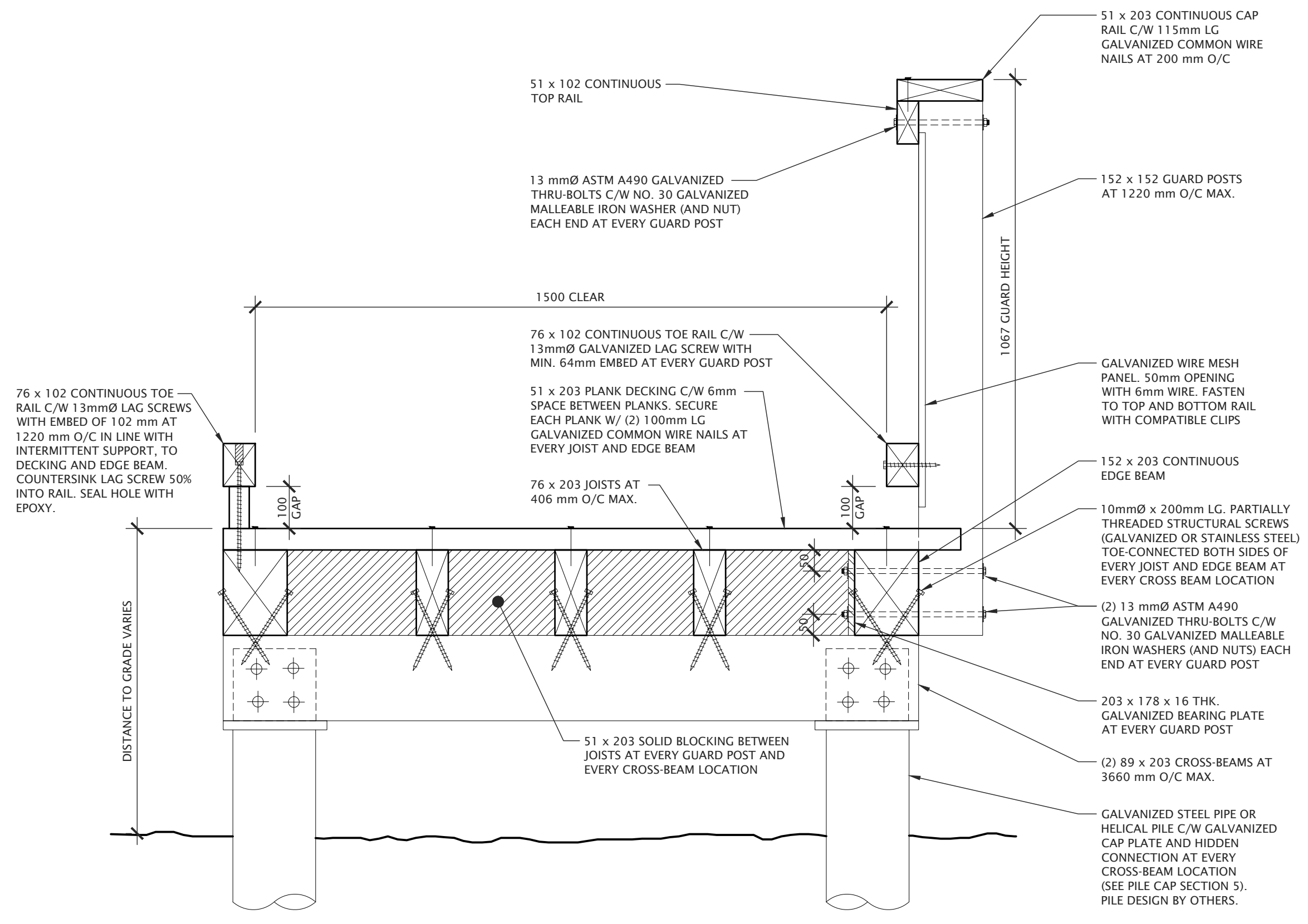
1 BOARDWALK WITH GUARD BOTH SIDES
 SCALE: 1:10



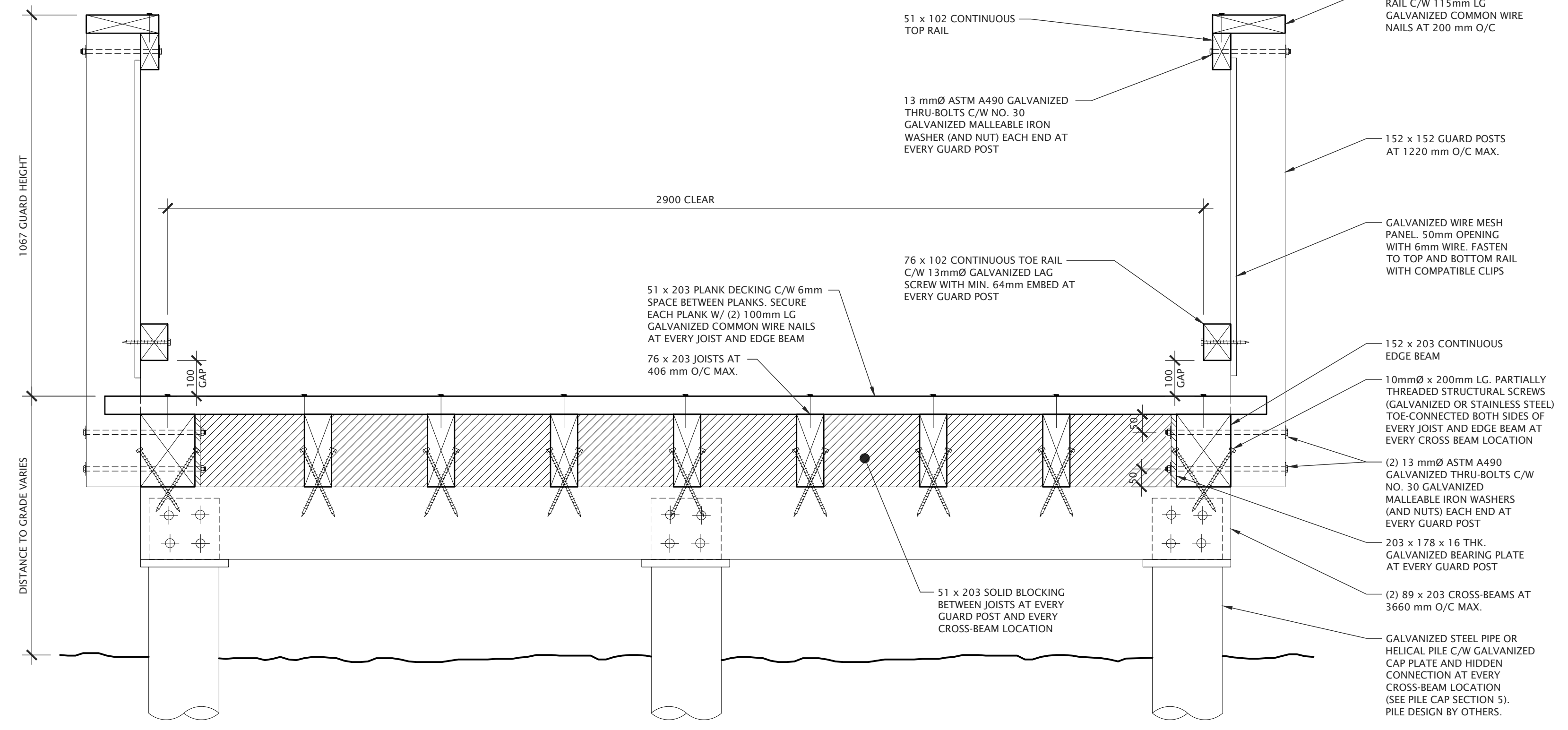
2 BOARDWALK WITH NO GUARD
 SCALE: 1:10



5 PILE CAP SECTION
 SCALE: 1:5



3 BOARDWALK AT CORNER
 SCALE: 1:10



4 BOARDWALK AT VIEWING PLATFORM
 SCALE: 1:10

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 BRITISH_COLUMBIA

drawing title
 titre du dessin
SECTIONS

drawn by dessine par	BPT
designed by conc par	MDB
approved by approuve par	AC

tender soumission	project manager administrateur de projets ROD_KHALED
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 date du projet
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project no.
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drawing no.
 dessine no.
S3.0