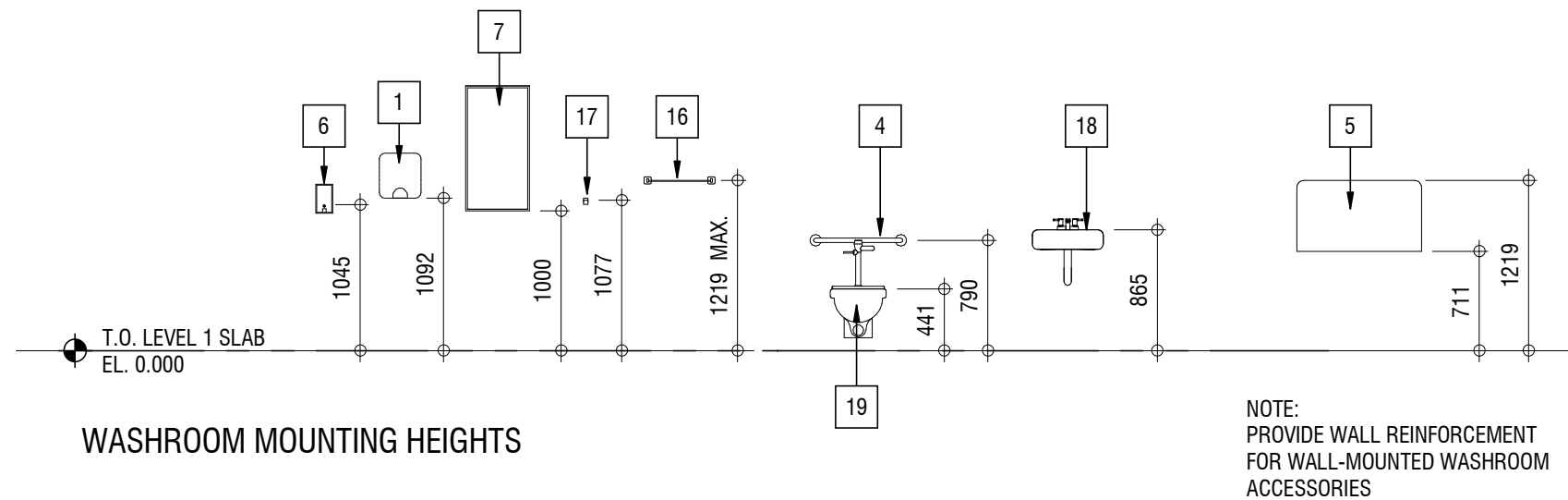
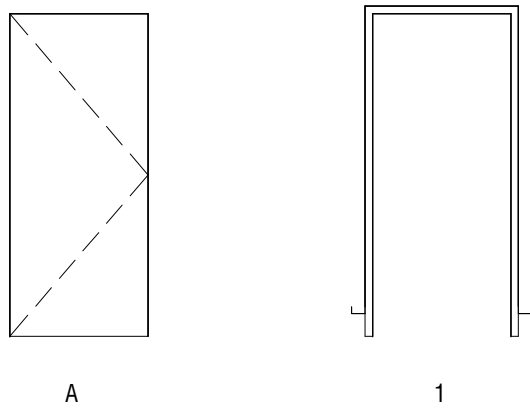


1 FLOOR PLAN
SCALE: 1:50

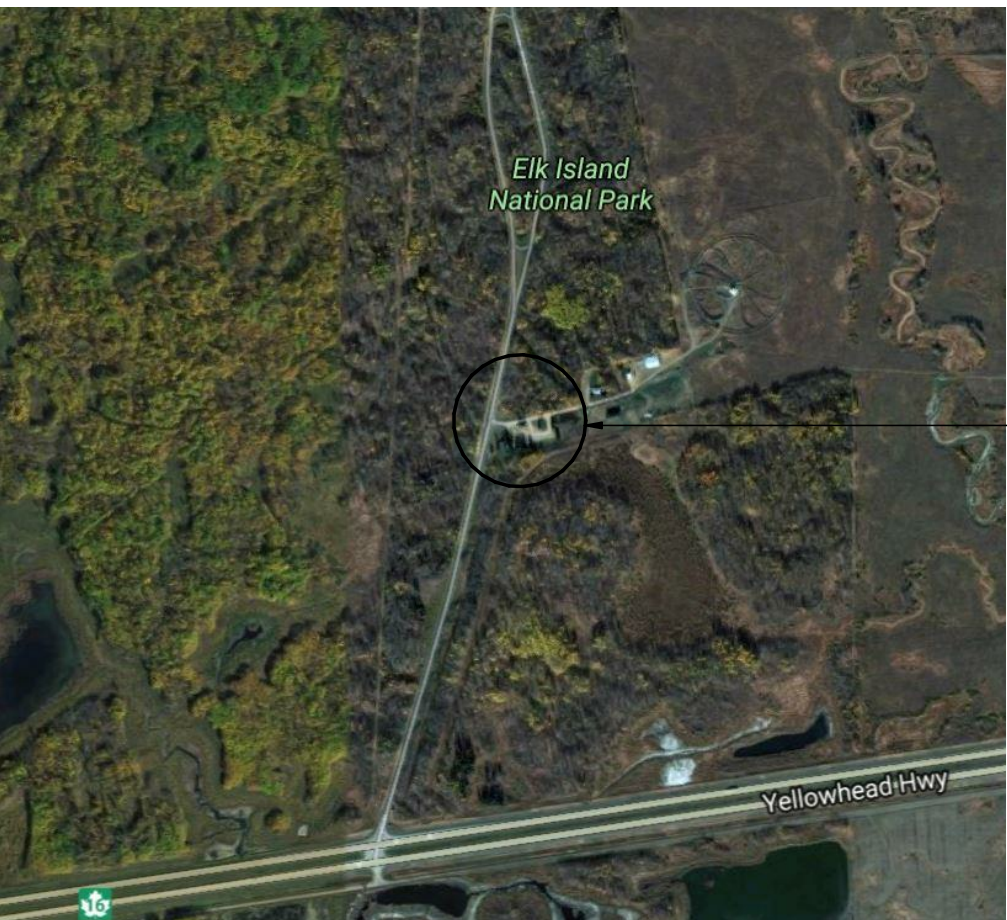


DOOR AND FRAME SCHEDULE

DOOR NO.	TYPE	DOOR				FRAME			GLAZING	WALL CONDITION	FIRE LABEL	HARDWARE TYPE	REMARKS
		WIDTH	HEIGHT	MAT'L	FINISH	TYPE	MAT'L	FINISH					
1	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
2	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
3	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
4	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
5	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
6	A	914	2134	HM	--	1	PS	--	--	--	-	01	--
7	A	914	2134	HM	--	1	PS	--	--	--	-	02	--
8	A	914	2134	HM	--	1	PS	--	--	--	-	02	--



DOOR AND FRAME TYPES



VICINITY MAP

Building Code Analysis

ELK ISLAND VISITOR CENTRE REHABILITATION - ELK ISLAND NATIONAL PARK AB

MUNICIPAL ADDRESS:
FORT SASKATCHEWAN, ELK ISLAND NATIONAL PARK, AB

LEGAL ADDRESS:
--

THE CONSTRUCTION PROCEDURES OUTLINED IN THESE DOCUMENTS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE ALBERTA BUILDING CODE 2014 AND ITS SUPPLEMENTS. THIS ANALYSIS DESCRIBES THE CONSTRUCTION OF A NEW WASHROOM FACILITIES.

1. BUILDING OCCUPANCY AND USE

- MAJOR OCCUPANCIES:
 - PROPOSED: GROUP A2 - ASSEMBLY
- BUILDING HEIGHT: 1 STOREY ABOVE GRADE
- BUILDING AREA:
 - PROPOSED: 78.54 m2

2. BUILDING CLASSIFICATION

- 3.2.2.28 GROUP A, DIVISION 2, ONE STOREY
BUILDING HEIGHT: 1 STOREY
BUILDING AREA: 400 m2 MAXIMUM FACING 1 STREET

3. AUTOMATIC FIRE SUPPRESSION SYSTEM

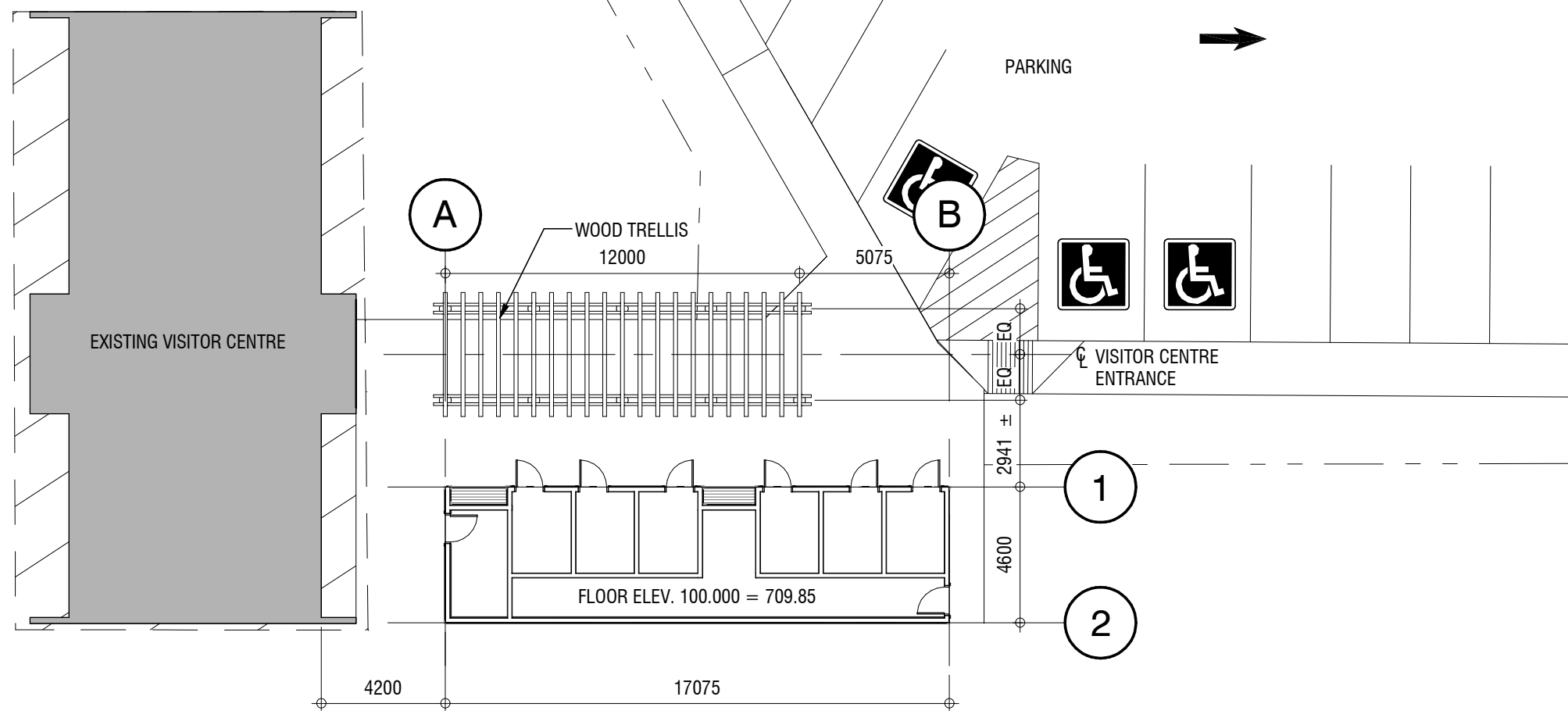
SPRINKLERS NOT REQUIRED

4. BARRIER FREE REQUIREMENTS

- 3.8.1.2 ENTRANCES
 - NOT LESS THAN 50% OF THE PEDESTRIAN ENTRANCES, INCLUDING THE PRIMARY ENTRANCE OF A BUILDING SHALL BE BARRIER-FREE.

5. AREA OF EXPOSING BUILDING FACE

- WEST ELEVATION:
 - LEVEL 1 COMPARTMENT - 9.33 m2
UNPROTECTED OPENING - 0 m2



2 PARTIAL SITE PLAN
SCALE: 1:200

FILE: P:\PROJECTS\2131-EDMONTON\2131-00289-01-ENP VISITOR CENTRE REHABILITATION\10.0 DRAWINGS\10.3 REFERENCES\X-00289-TBK.DWG PLOTTED: ----
Paper Size: ANSI D (22 x 34")



WALL CONSTRUCTION

- (W1) - 8mm FIBRE CEMENT SIDING ON WOOD FURRING
- AIR BARRIER MEMBRANE
- 13mm PLYWOOD SHEATHING
- 38 X 140 WOOD STUDS - REFER TO STRUCTURAL FOR SPACING
- RSI 3.87 BATT INSULATION
- VAPOUR BARRIER MEMBRANE
- 16mm MOISTURE RESISTANT GYPSUM BOARD

- (W2) - 8mm FIBRE CEMENT SIDING ON METAL FURRING
- AIR BARRIER MEMBRANE
- 16mm TYPE X EXTERIOR GYPSUM BOARD
- 38 X 140 WOOD STUDS - REFER TO STRUCTURAL FOR SPACING
- RSI 3.87 BATT INSULATION
- VAPOUR BARRIER MEMBRANE
- 16mm TYPE X MOISTURE RESISTANT GYPSUM BOARD

1 HR. F.R.R. - ULC W231

PARTITION CONSTRUCTION

- (P1) - 16mm MOISTURE RESISTANT GYPSUM BOARD
- 38 X 140 WOOD STUDS @ 400mm O.C.
- ACOUSTIC BATT INSULATION
- 16mm MOISTURE RESISTANT GYPSUM BOARD

Materials - Code Legend

- SURFACE MOUNTED HAND DRYER - SEE MECHANICAL.
- FEMININE NAPKIN DISPOSAL.
- TOILET TISSUE DISPENSER.
- STAINLESS STEEL GRAB BARS - L-SHAPED 1200mm HORIZONTAL AND 600mm DIAGONAL ADJACENT TO WATER CLOSET. 900mm LONG LOCATED AT THE BACK OF WATER CLOSET.
- WALL MOUNTED BABY CHANGING STATION (FAMILY WASHROOM ONLY). AMERICAN SPECIALTIES ASI9012. PROVIDE BLOCKING IN WALLS AS REQUIRED.
- SURFACE MOUNTED SOAP DISPENSER.
- CHANNEL FRAME MIRROR 610mm X 914mm.
- RAINWATER LEADER.
- PRECAST CONCRETE SPLASHPAD.
- WOOD BENCH.
- 305mm x 305mm FLOOR TILES, TRUS12-SLIVER BY AMES TILE & STONE.
- 150mm HIGH TILE BASE, TRUS12-SLIVER BY AMES TILE & STONE.
- FRP WHITE EMBOSSED WALL FINISH FROM 150mm A.F.F. TO 2150mm A.F.F.
- SEALED CONCRETE SLAB.
- 100mm HIGH RUBBER BASE.
- 200mm DEEP X 400mm WIDE STAINLESS STEEL SHELF MOUNTED 1100mm A.F.F.
- COAT HOOK.
- WALL-MOUNTED SINK, SEE MECHANICAL.
- WALL-MOUNTED WATER CLOSET, SEE MECHANICAL.

NOT FOR CONSTRUCTION

#	#	#	#	#
3				
2				
1	2017.04.15	ISSUED FOR TENDER	JU	LB
0	2017.03.13	ISSUED FOR REVIEW	JU	LB
Rev.	Date	Description	Drawn Dessiné	Designed Conçu Approved Approuvé

A	detail number numéro de detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
---	------------------------------------

Client	Parks Canada Agency Western and Northern Region L'Agence Parcs Canada Ouest et Nord Région
--------	--

Consultant's Name Nom de l'expert-conseil	S2 architecture 2nd Floor, 10635 - 124 Street NW Edmonton, AB, Canada T5M 0H4 7 780-784-7169 www.s2architecture.com
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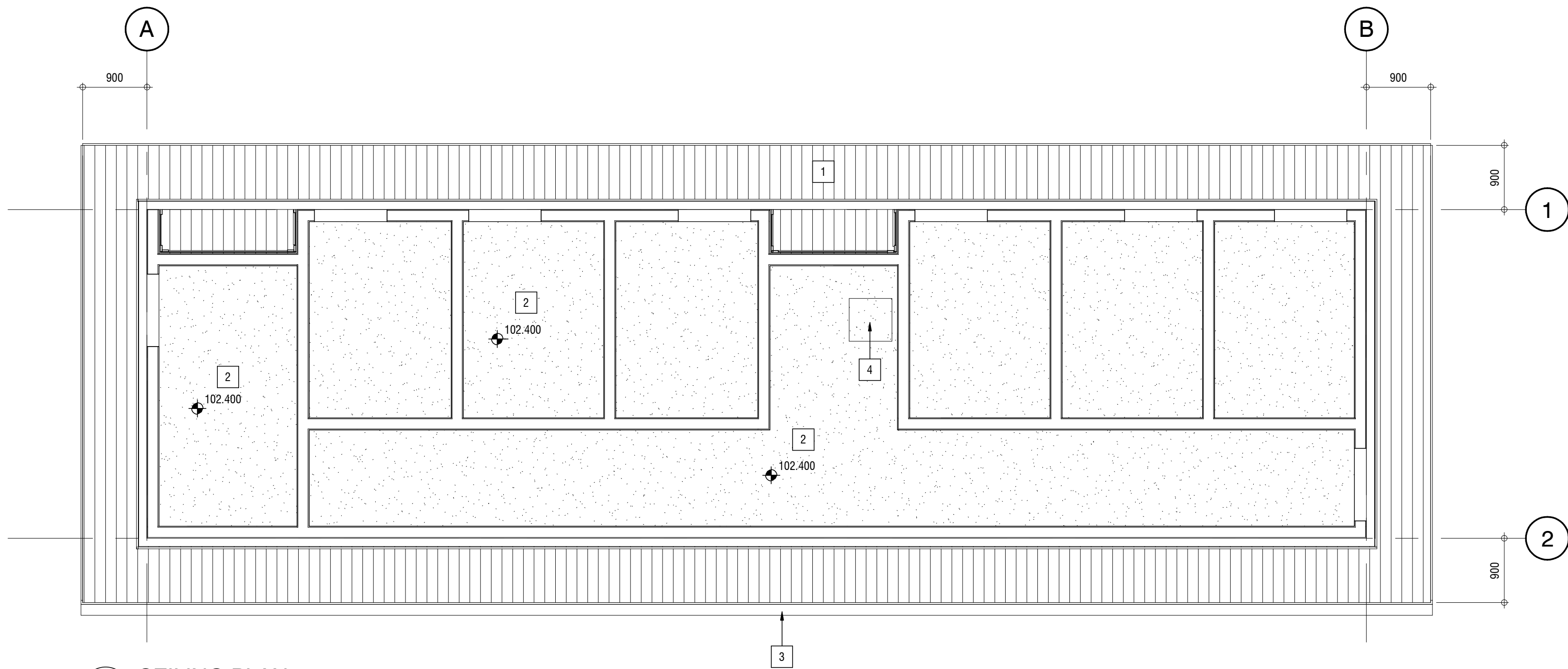
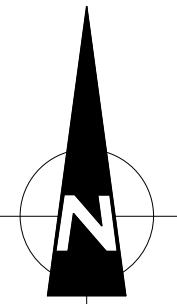
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Drawing Title Titre du dessin	SITE PLAN, FLOOR PLAN AND DOOR SCHEDULE
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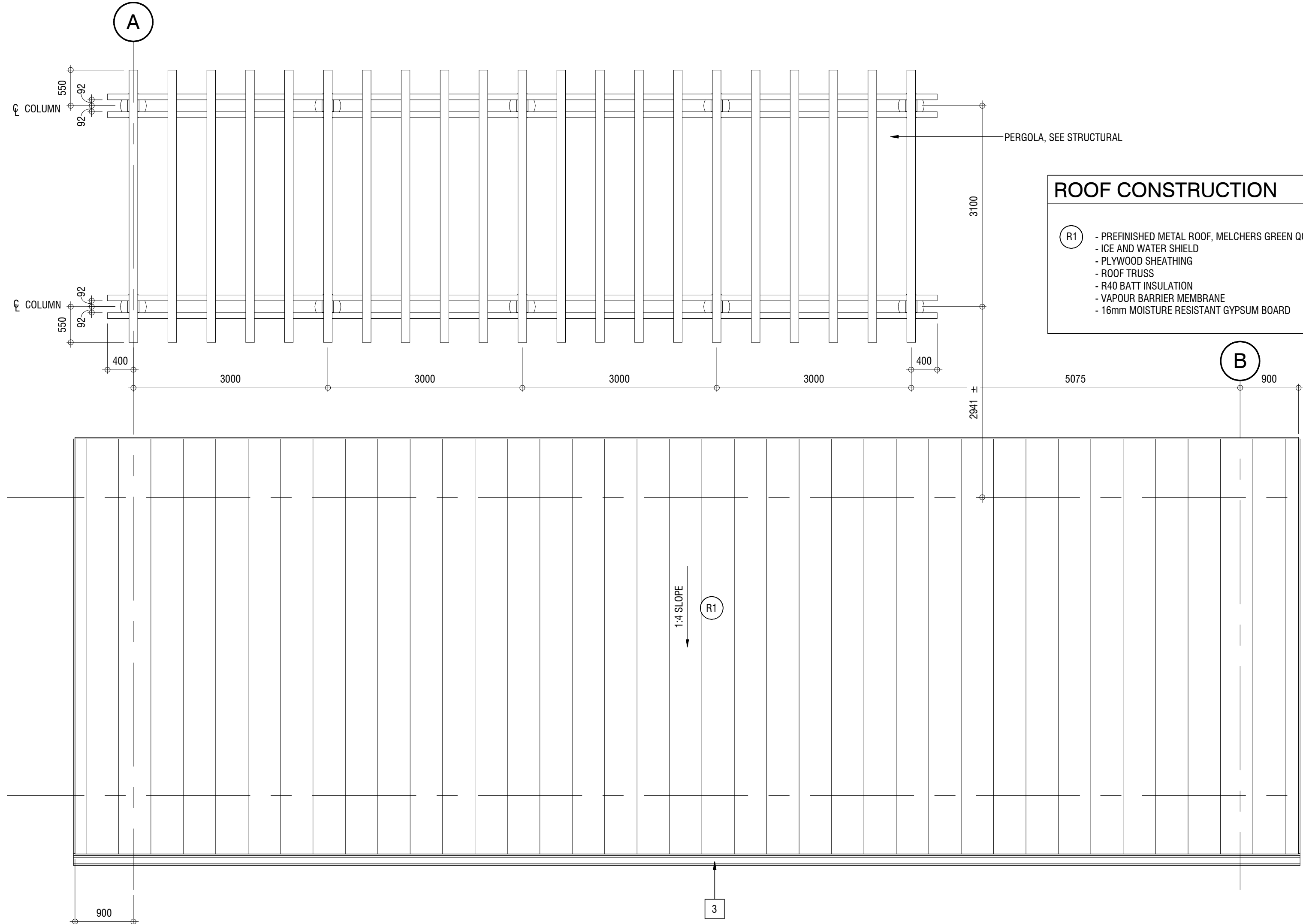
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		2017.03.13
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Échelle
		AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
MARK MCINTYRE		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
Parks Canada Responsible Officer / Agent Responsable Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet	Asset No. / No. du bien	Sheet No. No. de la feuille
2131-00299	####	A1.00
Drawing Reference No. / No. de référence du dessin		
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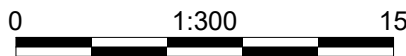
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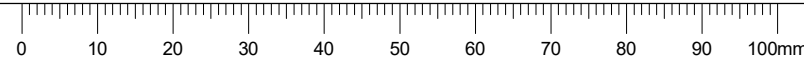
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2 ROOF PLAN
A1.01 SCALE: 1 : 50



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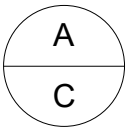


Ceiling Plan - Code Legend

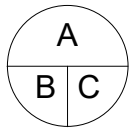
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|---|--|
| 1 | VENTED FIBRE CEMENT SOFFIT, HARDI PANEL, COLOUR COBBLESTONE/SMOOTH |
| 2 | 16mm MOISTURE RESISTANT TYPE 'X' GYPSUM BOARD CEILING |
| 3 | PREFINISHED METAL GUTTER |
| 4 | CEILING ACCESS PANEL |

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2				
1	2017.04.15	ISSUED FOR TENDER	JU	LB
0	2017.03.13	ISSUED FOR REVIEW	JU	LB
Rev.	Date	Description	Drawn Dessiné	Designed Conçu
			Approved Approuvé	



A detail number
numéro de détail
B source drawing no.
de dessin no.
C detail on drawing no.
détail sur dessin no.



Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client	 Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name Nom de l'expert-conseil	 2nd Floor, 10635 - 124 Street NW Edmonton, AB, Canada T5M 0H4 T. 780.784.7100 www.s2architecture.com
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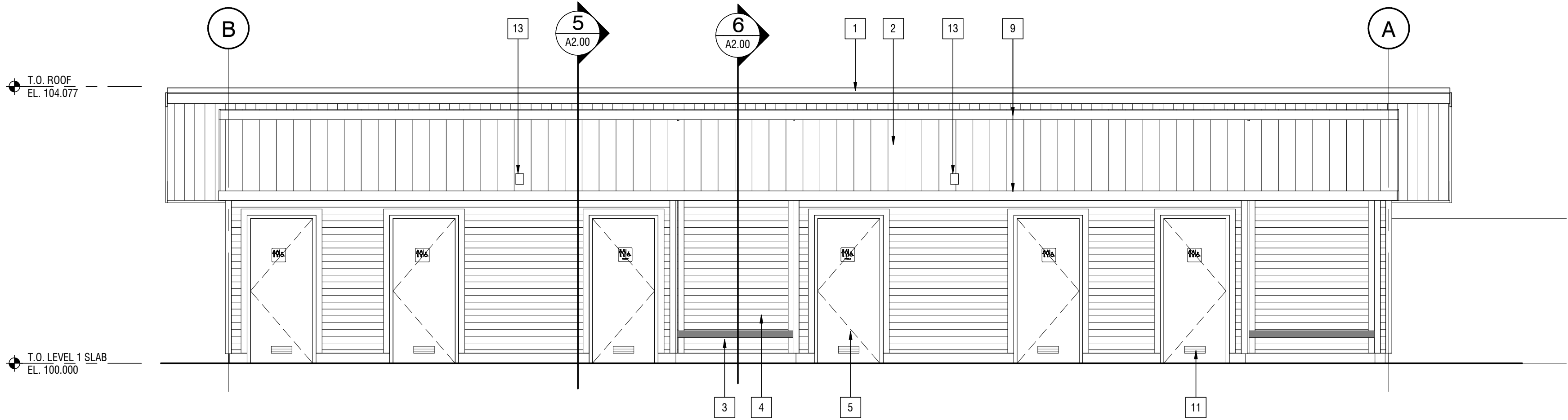
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Drawing Title Titre du dessin	REFLECTED CEILING PLAN, ROOF PLAN
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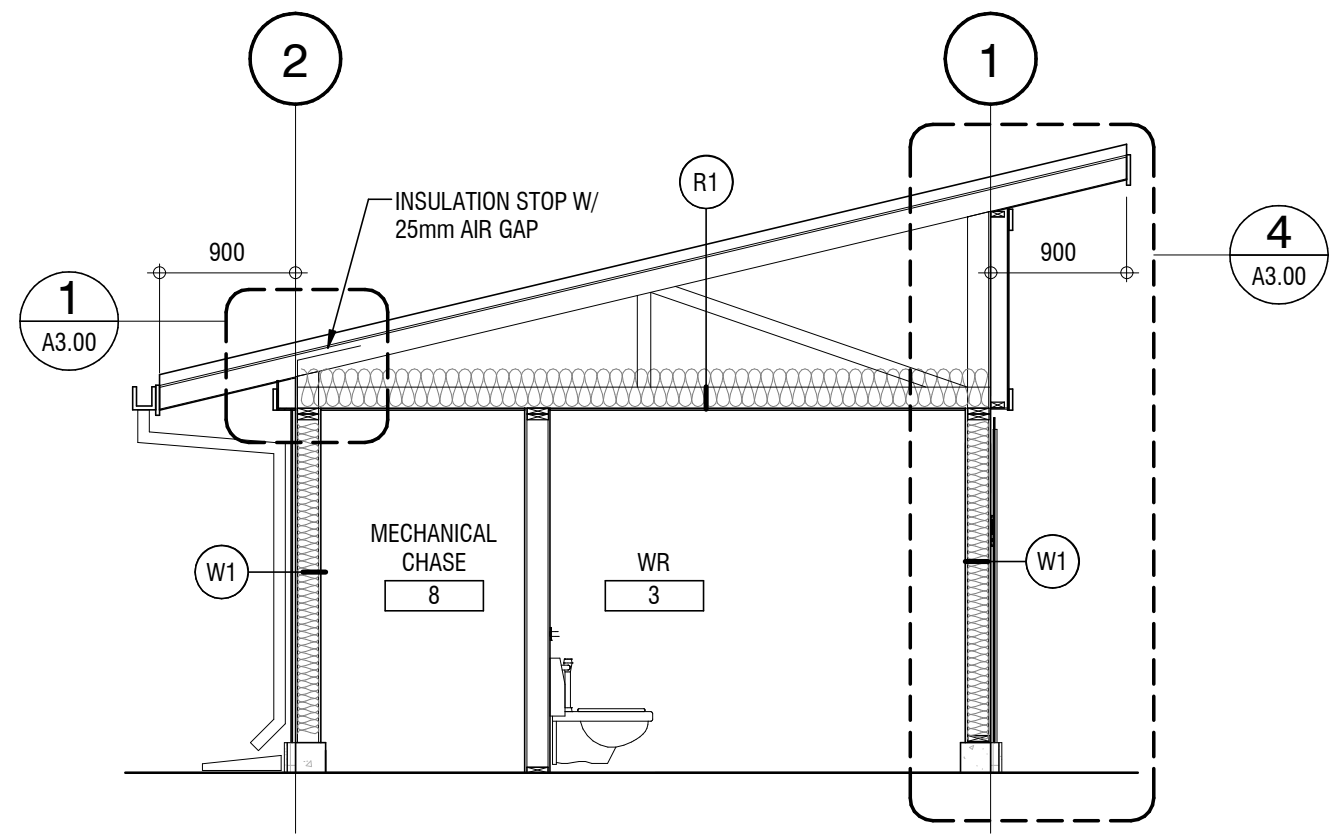
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		2017.03.13
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Échelle
		AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
MARK MCINTYRE		
Client Acceptance / Acceptation du client	Approved by / Approuvé par	

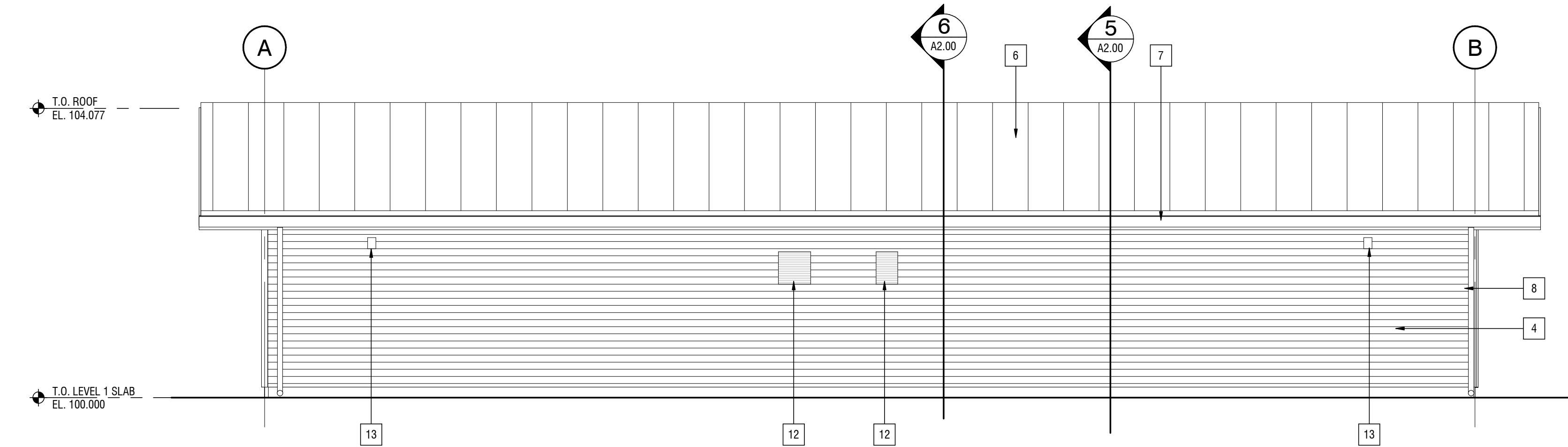
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2131-00299	####	
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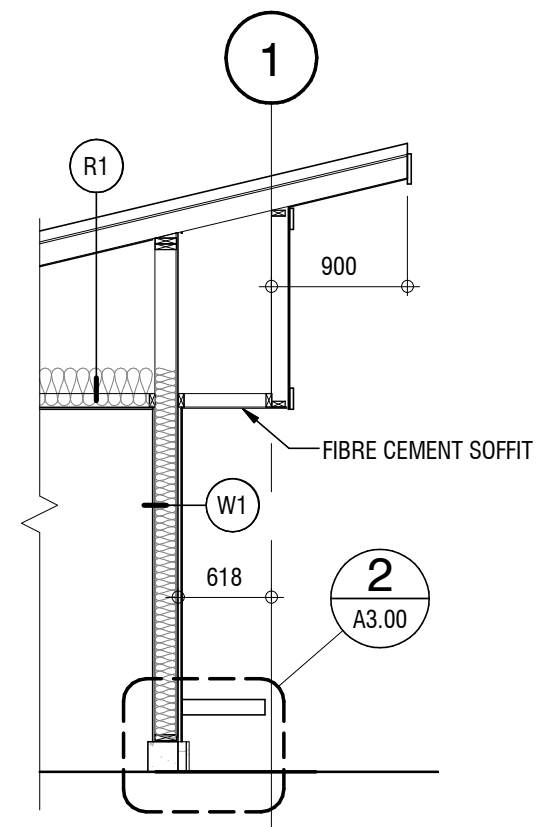
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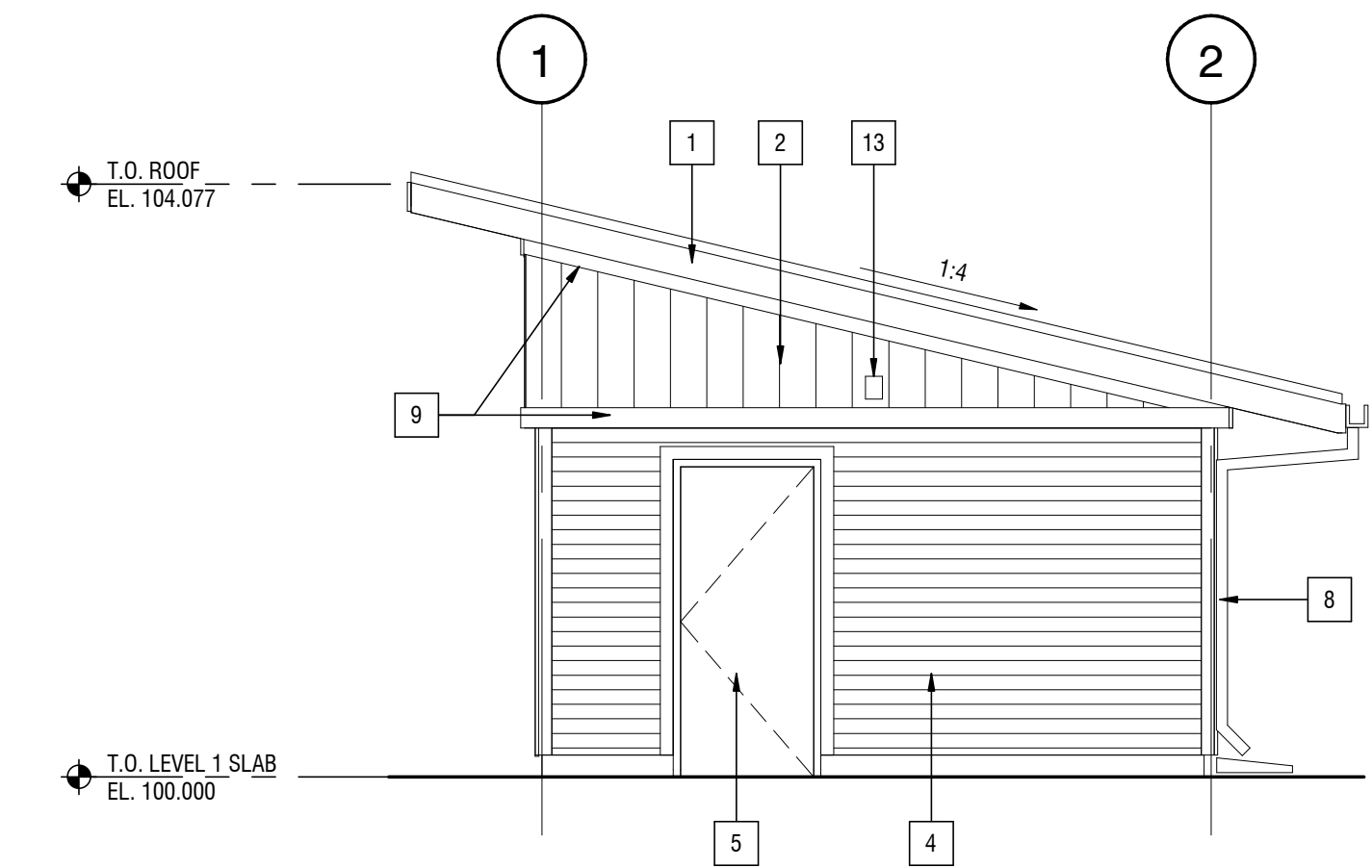
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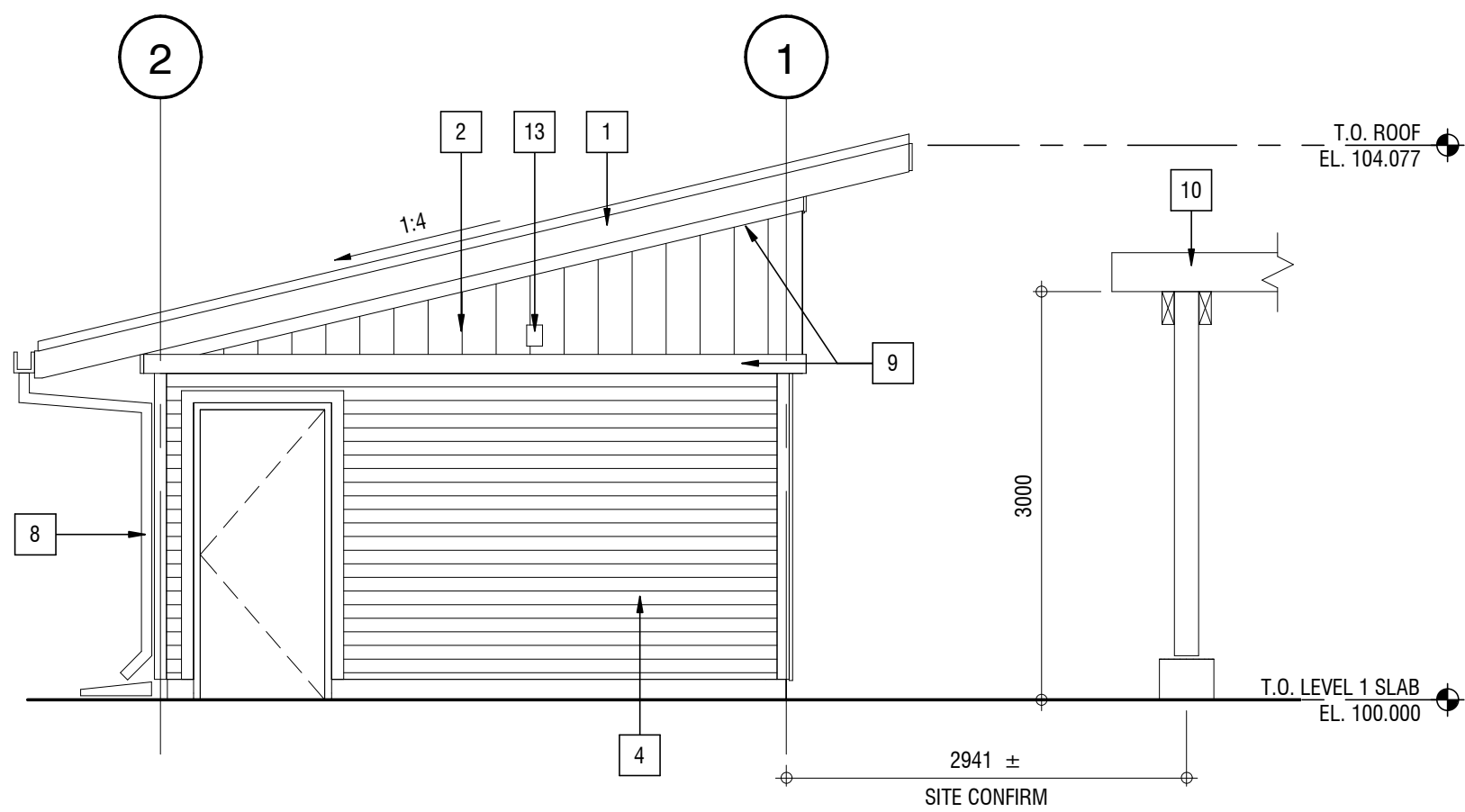
2 SOUTH ELEVATION
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6 WALL SECTION
A2.00 SCALE: 1 : 50



3 WEST ELEVATION
A2.00 SCALE: 1 : 50



4 EAST ELEVATION
A2.00 SCALE: 1 : 50

Elevations - Code Legend

- 1 FIBRE CEMENT FASCIA BOARD.
- 2 FIBRE CEMENT VERTICAL SIDING. HARDIEPLANK LAP SIDING CEDARMILL, COLOUR AUTUMN TAN.
- 3 PRESSURE TREATED WOOD BENCH.
- 4 FIBRE CEMENT HORIZONTAL SIDING. HARDIEPLANK LAP SIDING CEDARMILL, COLOUR AUTUMN TAN.
- 5 INSULATED HOLLOW METAL DOOR.
- 6 PREFINISHED METAL STANDING SEAM ROOF. MELCHERS GREEN QC18307.
- 7 PREFINISHED METAL GUTTER
- 8 RAINWATER LEADER
- 9 FIBRE CEMENT TRIM BOARD. HARDIETRIM BOARDS, WOODSTOCK BROWN / CEDARMILL.
- 10 PERGOLA, REFER TO STRUCTURAL
- 11 DOOR GRILLE, SEE MECHANICAL.
- 12 EXHAUST LOUVER, SEE MECHANICAL.
- 13 EXTERIOR LIGHT FIXTURES, SEE ELECTRICAL.

NOT FOR CONSTRUCTION

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2				
1	2017.04.15	ISSUED FOR TENDER	JU	LB
0	2017.03.13	ISSUED FOR REVIEW	JU	LB
Rev.	Date	Description	Drawn Dessiné	Designed Conçu
				Approved Approuvé

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client	Parks Canada Agency Western and Northern Region L'Agence Parcs Canada Ouest et Nord Région
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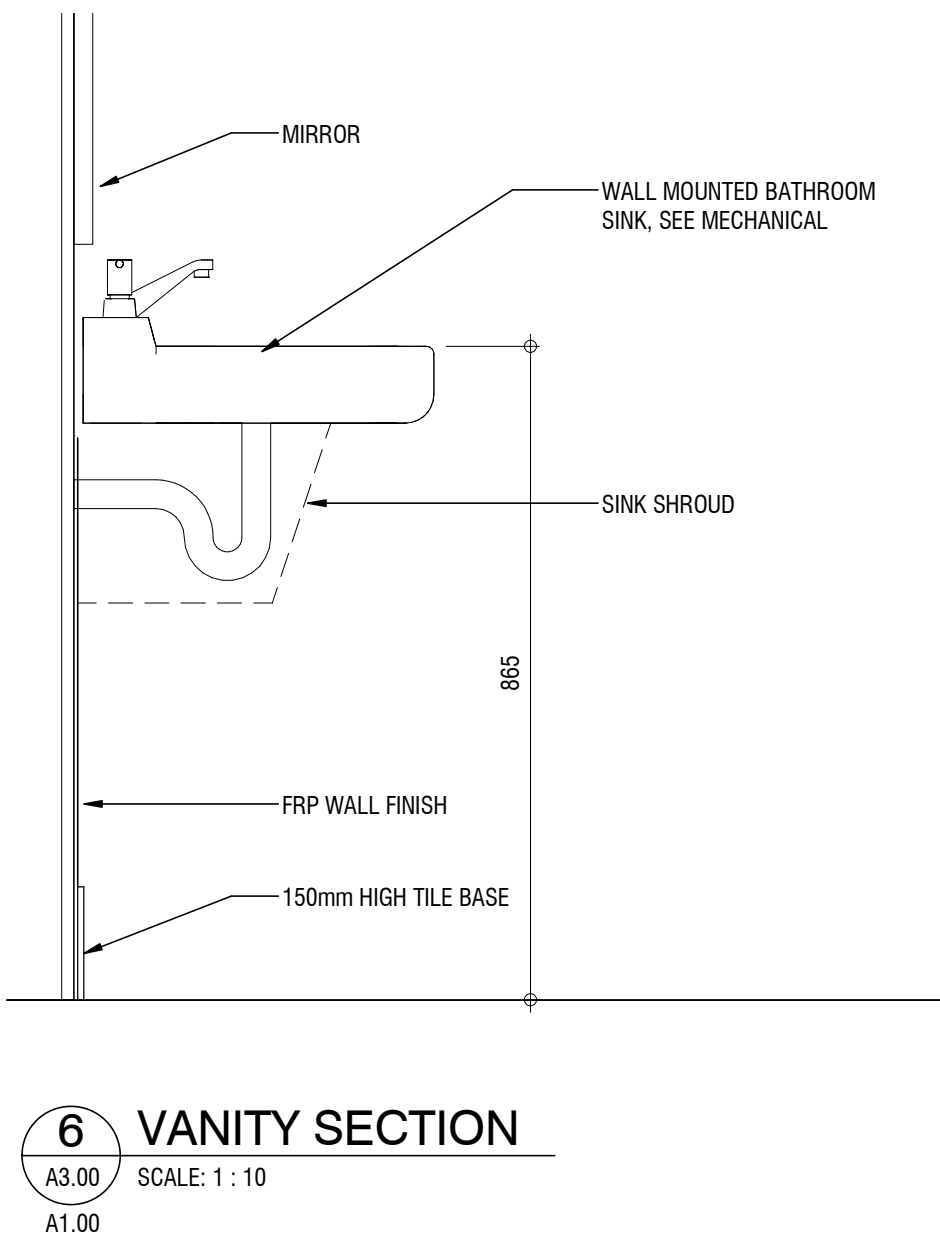
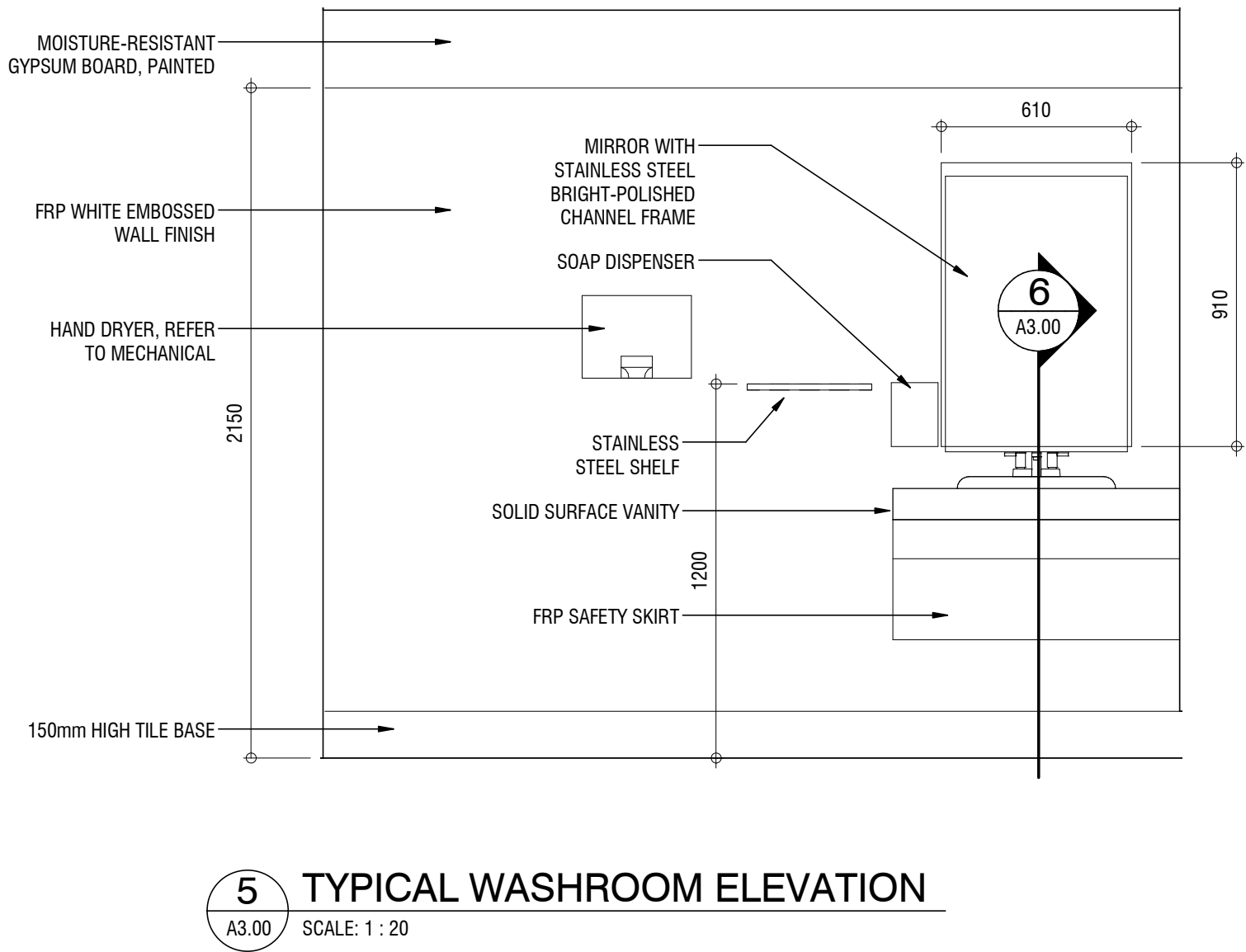
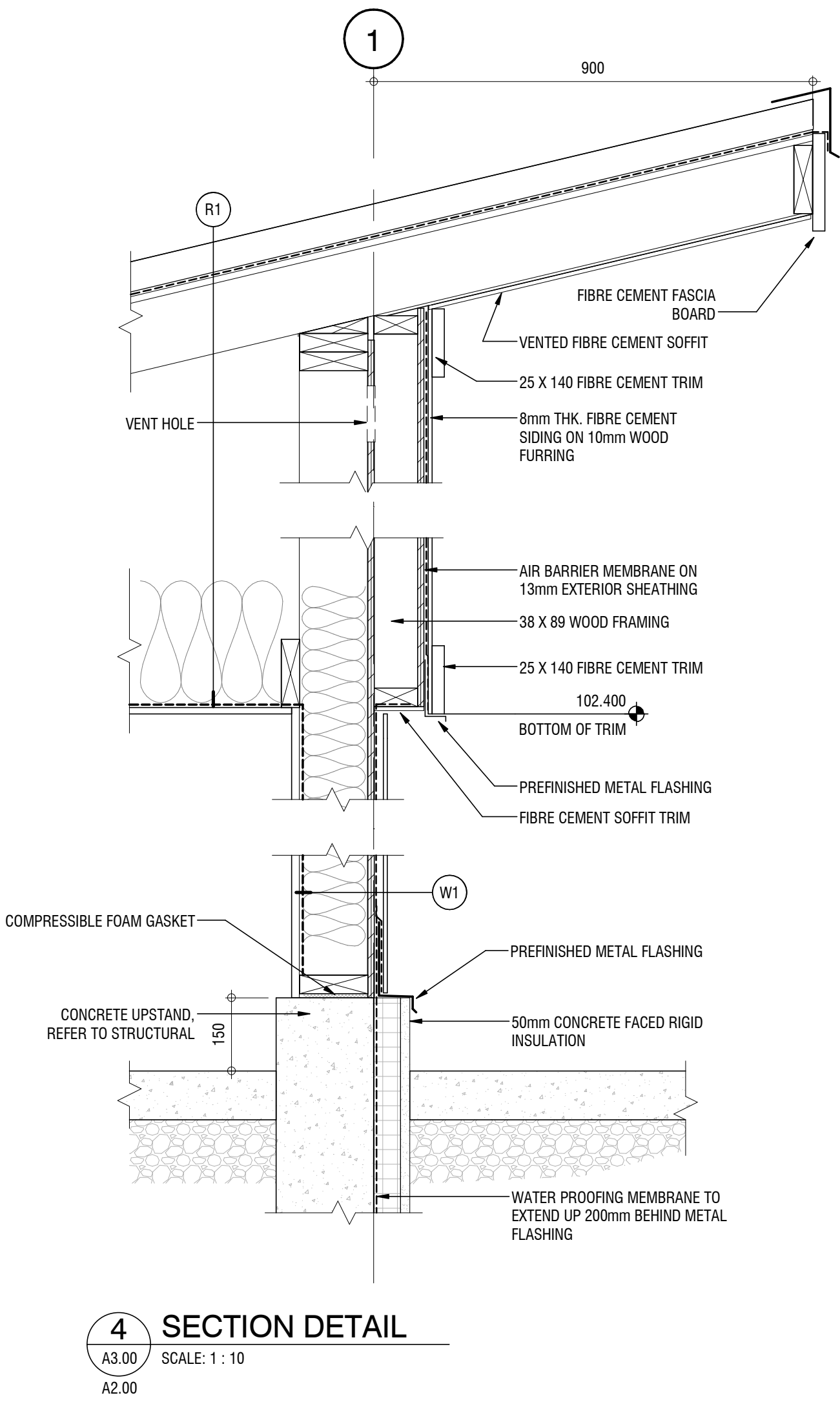
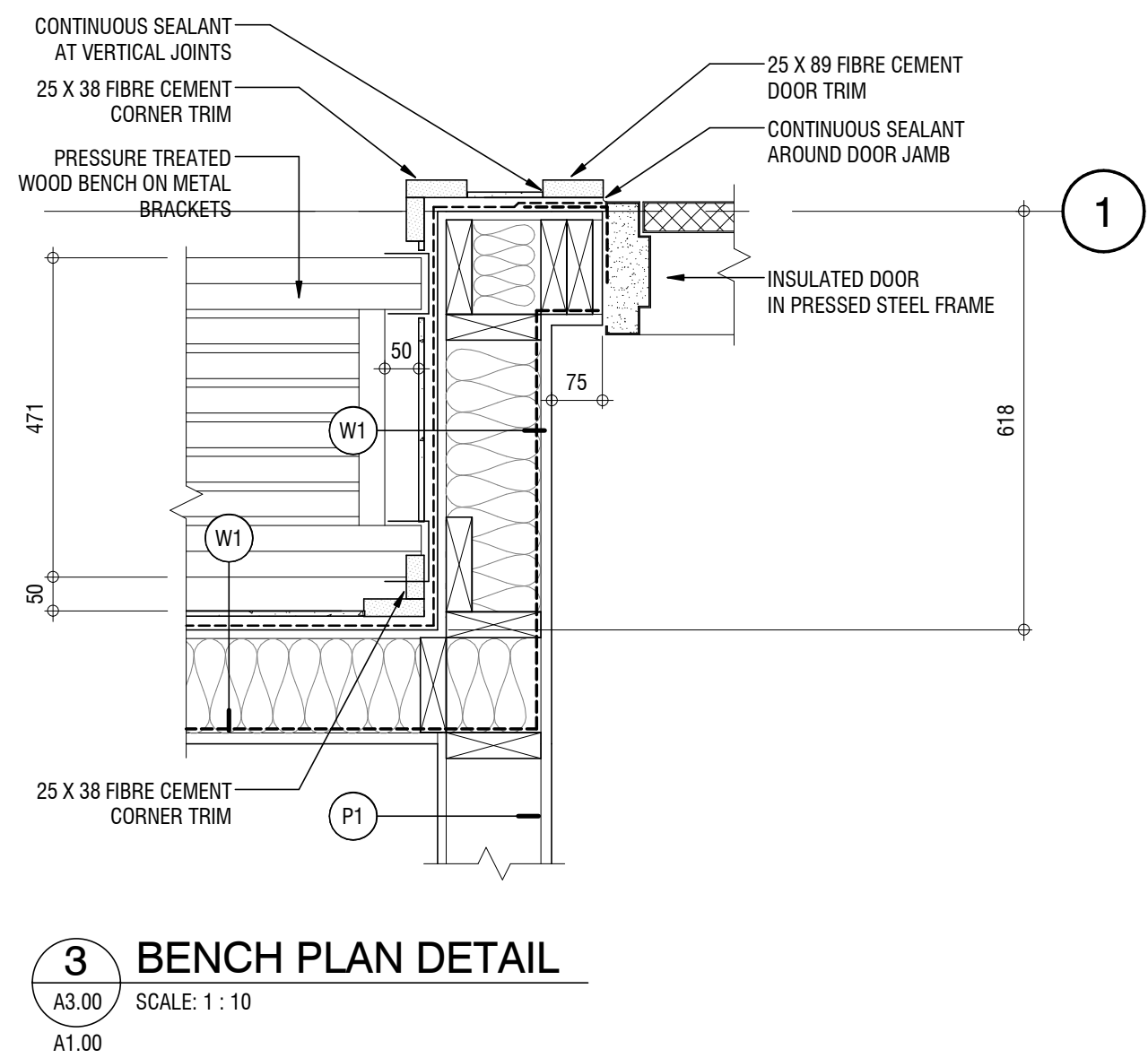
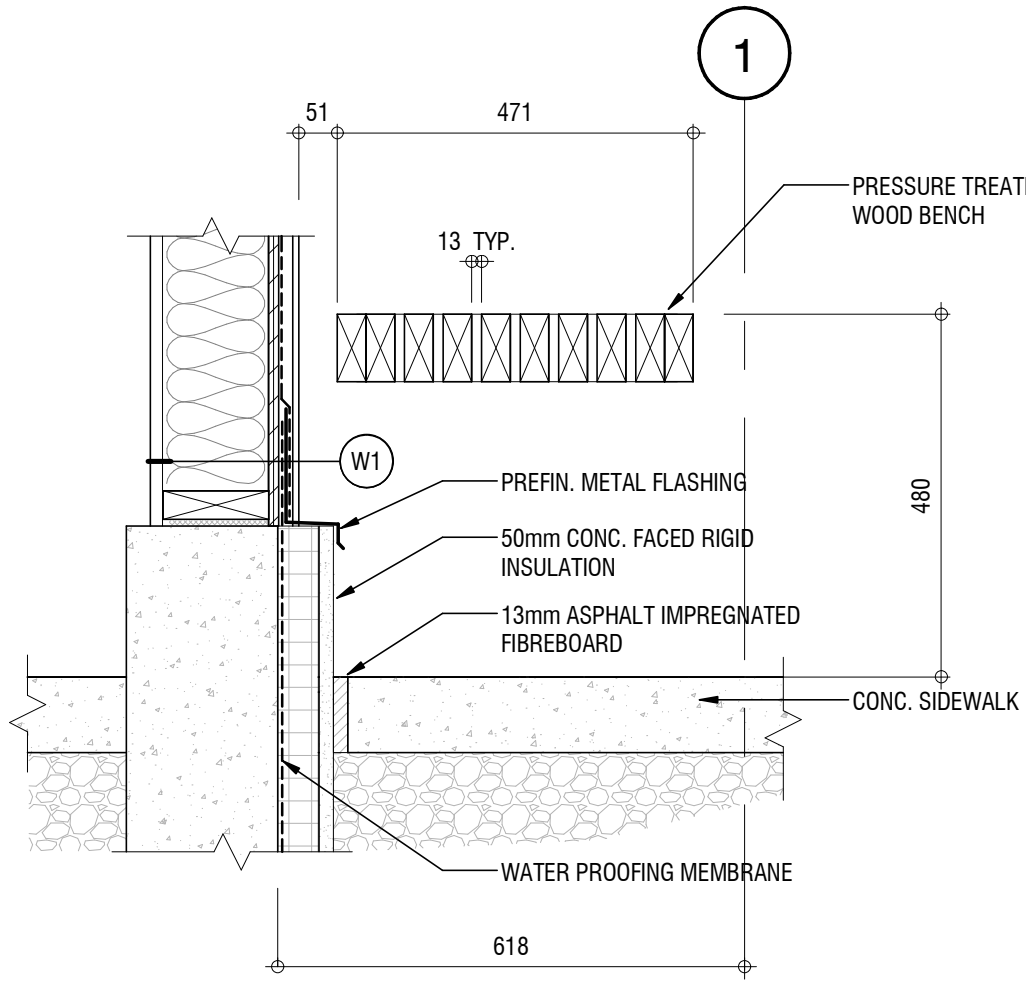
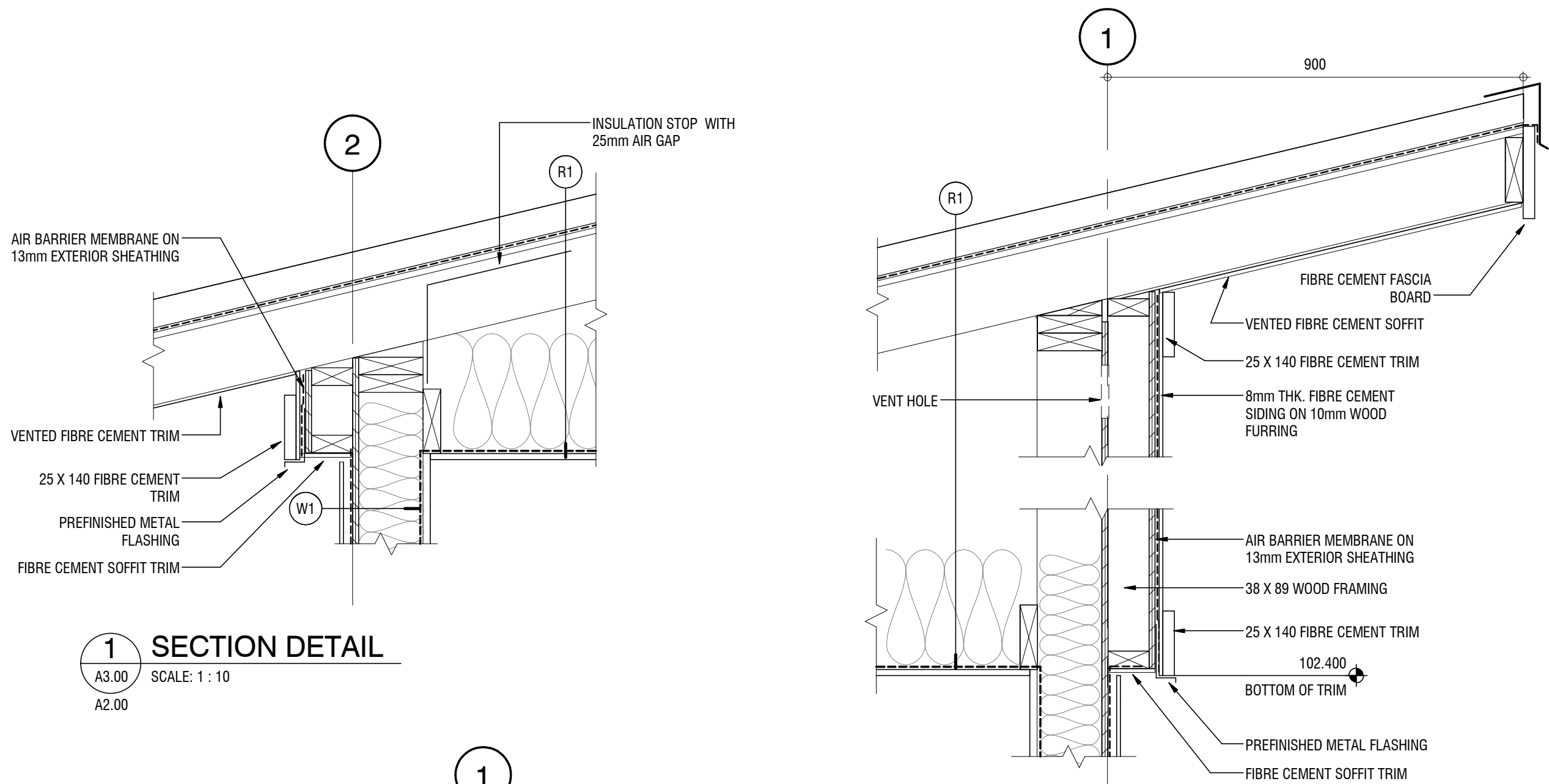
Consultant's Name Nom de l'expert-conseil	S2 architecture 2nd Floor, 10635 - 124 Street NW Edmonton, AB, Canada T5M 0H4 T. 780.784.7100 www.s2architecture.com
--	--

Project Title Titre du projet	ELK ISLAND VISITOR CENTRE REHABILITATION FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB
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Drawing Title Titre du dessin	ELEVATIONS AND SECTION
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Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
Designed by / Conçu par	Reviewed by / Révisé par	2017.03.13
Parks Canada Project Manager / Administrateur de Projets Parcs Canada		Scale / Échelle
MARK MCINTYRE		AS NOTED
Client Acceptance / Acception du client	Approved by / Approuvé par	
Parks Canada Responsible Officer / Agent Responsable Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet	Asset No. / No. du bien	Sheet No. / No. de la feuille
2131-00299	####	####
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2					
1	2017.04.15	ISSUED FOR TENDER	JU		LB
0	2017.03.13	ISSUED FOR REVIEW	JU		LB
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

<div>A</div> <div>B</div> <div>C</div>	<div>A</div> <div>B</div> <div>C</div>	<div>A</div> <div>B</div> <div>C</div>
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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client	<div><div></div><div>Parks Canada Agency Western and Northern Region</div></div> <div><div></div><div>L'Agence Parcs Canada Ouest et Nord Région</div></div>
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Consultant's Name Nom de l'expert-conseil	<div><div></div><div>2nd Floor, 10635 - 124 Street NW Edmonton, AB, Canada T5M 0H4 T. 780.784.7100 www.s2architecture.com</div></div>
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Project Title Titre du projet	ELK ISLAND VISITOR CENTRE REHABILITATION FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB
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Drawing Title Titre du dessin	DETAILS
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Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
		2017.03.13

Designed by / Conçu par	Reviewed by / Révisé par	Scale / Échelle
		AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada	MARK MCINTYRE
---	----------------------

Client Acceptance / Acceptation du client	Approved by / Approuvé par
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Parks Canada Responsible Officer / Agent Responsable Parcs Canada	Parks Canada Project Manager / Administrateur des Projets Parcs Canada
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Project No. / No. du projet	Asset No. / No. du-bien	Sheet No. No. de la feuille
2131-00299	####	

Drawing Reference No. / No. de référence du dessin	####	A3.00
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0 1:300 15

Paper Size: ANSI D (22 x 34")

0 10 20 30 40 50 60 70 80 90 100mm

STRUCTURAL NOTES

GENERAL

- ALL CONSTRUCTION IS TO CONFORM TO THE ALBERTA BUILDING CODE OF CANADA (2014).
- ALL REFERENCES TO CONSTRUCTION STANDARDS NOTED ON THESE DRAWINGS REFER TO THE LATEST REVISED ISSUE.
- THE DRAWING PREPARED BY McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) ARE INTENDED FOR STRUCTURAL REQUIREMENTS OF THIS PROJECT ONLY. ALL OTHER ASPECTS ASSOCIATED WITH THIS PROJECT WHICH INCLUDE, BUT ARE NOT LIMITED TO, ARCHITECTURAL, CIVIL, GEOTECHNICAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, OCCUPANT SAFETY, ACCESSIBILITY AND BUILDING ENVELOPE ARE TO BE DESIGNED, SPECIFIED AND APPROVED BY OTHERS AND ARE CONSIDERED BEYOND McELHANNEY SCOPE OF WORK
- STRUCTURAL ELEMENTS PRESENTED ON THESE DRAWINGS ARE FOR PERMANENT STRUCTURE AND FOUNDATIONS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY AND CONSTRUCTION BRACING AND SUPPORT INCLUDING GEOTECHNICAL REQUIREMENTS UNTIL THE PROJECT IS COMPLETED.
- REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR DIMENSIONS, GRADES, FLOOR ELEVATIONS, ROOF ELEVATIONS, ROOF SLOPES, AND FOR DIMENSIONS AND LOCATIONS OF DOORS, WINDOWS, RECESSES, SLEEVES, EQUIPMENT, SHAFTS, INSERTS, NAILERS, CHAMFERS, ETC., GRADES, ELEVATIONS AND SLOPES SHOWN ON STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY AND MUST BE CONFIRMED WITH ARCHITECTURAL DRAWINGS AND/OR SITE CONDITIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS TO BE CONFIRMED AND CORRELATED AT THE JOB SITE, FOR INFORMATION THAT PERTAINS SOLELY TO FABRICATION PROCESSES OR TO TECHNIQUES OF CONSTRUCTION AND INSTALLATION AND FOR COORDINATION OF THE WORK OF ALL SUB-TRADES.

REFERENCED DRAWINGS

- BUILDING LAYOUT AND STRUCTURAL SIZING IS BASED ON ARCHITECTURAL DESIGN DRAWINGS PREPARED BY S2 ARCHITECTURE.
 - McELHANNEY HAS RELIED ON THE ARCHITECTURAL DRAWING SET AS ACCURATE AND TRUE. McELHANNEY IS NOT RESPONSIBLE FOR ANY ERROR/OMISSIONS ON THESE DRAWINGS AS A RESULT OF ERRORS OR SUBSEQUENT CHANGES TO THE ARCHITECTURAL DRAWING SET OR UNKNOWN SITE AND AS-BUILT CONDITIONS.
 - IF CHANGES ARE MADE TO THE LAYOUT OF THE BUILDING, OR SITE CONDITIONS VARY FROM ASSUMED, OR THE ASSUMED LOAD PATHS ARE ALTERED (RELOCATED POSTS, BEAMS, ETC), THE ARCHITECT AND STRUCTURAL ENGINEER SHOULD BE NOTIFIED SUCH THAT CHANGES CAN BE MADE TO THE DESIGN IF REQUIRED.
 - McELHANNEY HAS ASSUMED THAT THE EXISTING BUILDING WAS DESIGNED AND CONSTRUCTED TO BUILDING CODE REQUIREMENTS AT THE TIME OF CONSTRUCTION AND McELHANNEY HAS NOT REVIEWED THE STRUCTURAL COMPETENCY OF THE EXISTING BUILDING STRUCTURE AS SUCH McELHANNEY ACCEPTS NO RESPONSIBILITY FOR THE STRUCTURAL COMPETENCY AND STABILITY OF THE EXISTING STRUCTURE.
- FIELD REVIEWS BY McELHANNEY CONSULTING SERVICES LTD.
- McELHANNEY ASSUMES NO RESPONSIBILITY FOR FIELD REVIEWS OF THE CONSTRUCTION OR VERIFICATION OF THE CONSTRUCTION UNLESS EXPRESSLY RETAINED TO DO SO.
 - McELHANNEY CONSULTING SERVICES LTD. (McELHANNEY) PROVIDE FIELD REVIEWS ONLY FOR THE WORK SHOWN ON THESE DRAWINGS. FIELD REVIEWS BY McELHANNEY ARE PERIODIC AND AT THE SOLE DISCRETION OF McELHANNEY IN ORDER TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE DESIGN DRAWINGS AND SUPPORTING DOCUMENTS.
 - FIELD REVIEWS BY McELHANNEY ARE NOT FOR THE CONTRACTORS BENEFIT NOR DOES IT MAKE McELHANNEY GUARANTORS OF THE CONTRACTOR'S WORK. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO BUILD THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
 - McELHANNEY WILL 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.
 - IF McELHANNEY IS RETAINED FOR FIELD REVIEWS THEN THE CONTRACTOR IS TO PROVIDE 24 HOUR NOTICE PRIOR TO CONCRETE POURS AND BEFORE ENCLOSING FRAMING ELEMENTS. FIELD REVIEWS ARE TO BE SCHEDULED AND TO BE CARRIED OUT DURING NORMAL BUSINESS HOURS UNLESS SPECIAL ARRANGEMENTS ARE MADE WITH McELHANNEY.

DESIGN STANDARDS:

- ALL STRUCTURAL COMPONENTS ARE TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH PART 4 OF THE ALBERTA BUILDING CODE (2014), CSA A23.1, CSA 086, TPIC PROCEDURES AND LOCAL BYLAWS

1) DESIGN METHODOLOGY: LIMIT STATES DESIGN

2) CLIMATIC INFORMATION:

- ROOF DESIGN CRITERIA
 - Ss = 1.6 kPa
 - Sp = 0.1 kPa
 - Is = 1.0
- SEISMIC DESIGN PARAMETERS AS PER NBC (2015)
 - Se(0.2) = 0.086
 - Se(0.5) = 0.053
 - Se(1.0) = 0.032
 - Se(2.0) = 0.017
 - PGA = 0.052
 - PGV = 0.038
- WIND DESIGN CRITERIA
 - 1/10 YEARS = 0.33 kPa
 - 1/50 YEARS = 0.44 kPa
 - Ce = 0.90
 - Iw = 1.0
- MAIN FLOOR LOADING CRITERIA
 - LIVE LOAD = 4.8 kPa
 - DEAD LOAD = 1.0 kPa

GEOTECHNICAL ASSUMPTIONS

- A GEOTECHNICAL INVESTIGATION HAS NOT BEEN PERFORMED FOR THIS PROJECT AND SOIL BEARING CRITERIA HAS BEEN ASSUMED IN ORDER TO PROCEED WITH STRUCTURAL DESIGN.
- DESIGN CRITERIA ASSUMED IS AS FOLLOWS:
 - ALLOWABLE SOIL BEARING PRESSURE = 75.0 kPa.
 - DEPTH OF SEASONAL FROST IS ASSUMED TO BE 1220mm

NON-STRUCTURAL ELEMENTS

- "NON-STRUCTURAL" OR "SECONDARY STRUCTURAL" ELEMENTS ARE NOT PART OF THE STRUCTURAL DESIGN SHOWN ON THESE DRAWINGS. SUCH ELEMENTS ARE DESIGNED, DETAILED, APPROVED AND FIELD REVIEWED BY OTHERS. THESE ITEMS APPEAR ON OTHER DRAWINGS OTHER THAN THESE DRAWINGS OF McELHANNEY CONSULTING SERVICES LTD.
- WHERE STRUCTURAL ENGINEERING RESPONSIBILITY IS REQUIRED FOR THESE ELEMENTS, THIS SHALL BE PROVIDED BY SPECIALTY STRUCTURAL ENGINEERS, WHO SHALL ALSO PROVIDE ANY LETTERS REQUIRED BY BUILDING PERMIT AUTHORITIES.
- EXAMPLES OF "NON-STRUCTURAL" OR "SECONDARY STRUCTURAL" ELEMENTS INCLUDE, BUT MAY NOT BE LIMITED TO:
 - ARCHITECTURAL COMPONENTS SUCH AS GUARDRAILS, HANDRAILS, FLAG POLES, LADDERS, CANOPIES, CEILINGS, MILLWORK, ETC.
 - LANDSCAPE ELEMENTS SUCH AS BENCHES, LIGHT POSTS, PLANTERS, ETC.
 - CLADDING, WINDOWS, DOORS, MULLIONS, AND THEIR CONNECTION DETAILS.
 - INTERIOR PARTITION STUD WALLS AND NON-LOAD BEARING EXTERIOR STUD WALLS.
 - ARCHITECTURAL PRECAST COMPONENTS, PRECAST CLADDING
 - SKYLIGHTS AND THEIR CONNECTION DETAILS
 - MECHANICAL AND ELECTRICAL EQUIPMENT, COMPONENTS AND THEIR ATTACHMENT DETAILS.
 - GLASS BLOCK AND ITS ATTACHMENT.
 - NON LOAD BEARING MASONRY.
 - NON-STRUCTURAL CONCRETE TOPPINGS.
 - FALL ARREST SYSTEMS AND SUPPORT

FALL ARREST SYSTEM

- FALL ARREST SYSTEMS ARE TO BE DESIGNED, SPECIFIED AND APPROVED BY THE FALL ARREST SYSTEM SUPPLIER.
- FALL ARREST LOCATIONS MAY BE INDICATED ON THE STRUCTURAL DRAWINGS AND/OR ARCHITECTURAL DRAWINGS, HOWEVER THE ACTUAL DESIGN LOADINGS ARE TO BE PROVIDED BY THE FALL ARREST SYSTEM SUPPLIER AND COORDINATED WITH THE STRUCTURAL ENGINEER, THE ROOF FRAMING SUPPLIER AND THE ARCHITECT.
- THE ROOF FRAMING SUPPLIER IS TO ENSURE THAT ALL ROOF FRAMING COMPONENTS ARE TO BE DESIGNED TO RESIST THE FALL ARREST DESIGN LOADS THAT ARE SPECIFIED BY THE FALL ARREST SYSTEM SUPPLIER.

ROUGH CARPENTRY

- ALL FRAMING IS TO BE S-P-F #2 OR BETTER, S4S, SEASONED DRY UNLESS INDICATED OTHERWISE ON DRAWINGS.
- ALL FIRE STOPS, BLOCKING, BRIDGING, STRAPPING, NAILERS AND LEDGERS ARE TO BE CONSTRUCTION GRADE (MIN.).
- LAMINATE STUDS UNDER ALL WALL BEAMS AND LINTELS TO FORM COLUMNS OF SAME WIDTH AS BEAM AND PROVIDE SOLID BLOCKING BETWEEN JOISTS UNDER COLUMNS.
- USE PL400 SUBFLOOR ADHESIVE FOR ALL FLOOR SHEATHING.
- PLYWOOD SHEATHING IS TO CONFORM TO CSA 0121 - DOUGLAS FIR 4' x 8' SQUARE EDGED EXCEPT TONGUE AND GROOVED (T&G) FOR FLOORS.
- ORIENTATED STRAND BOARD (OSB) SHEATHING IS TO CONFORM TO CSA 0437.0 - GRADE 0-2, 4' x 8' SQUARE EDGED EXCEPT TONGUE AND GROOVED (T&G) FOR FLOORS.
- MINIMUM NAILING OF PLYWOOD SHEATHING ON WALLS AND ROOFS (UNLESS NOTED OTHERWISE ON PLANS):
 - 64mm (2-1/2") x 3.25mmØ COMMON NAILS @ 150mm o/c PERIMETER AND SUPPORTED SHEET EDGES.
 - 64mm (2-1/2") x 3.25mmØ COMMON NAILS @ 305mm o/c INTERMEDIATE.
 - STAPLES ARE NOT PERMITTED
- NAIL GUNS MAY BE USED TO INSTALL NAILS, PROVIDED THE CORRECT TYPE, QUANTITY, LENGTH AND DIAMETER OF NAILS ARE PROPERLY INSTALLED. SEE MANUFACTURES SPECIFICATIONS FOR COMMON NAIL EQUIVALENTS.
- PROVIDE T&G SHEATHING FOR FLOOR SHEATHING OR AS SPECIFIED ON DRAWING AND ALL FLOOR SHEATHING TO BE GLUED AND ATTACHED WITH SCREWS.
- ALL BUILT-UP BEAMS OR HEADERS TO BE NAILED TOGETHER WITH 3 ROWS OF 75mm (3") NAILS @ 305mm o/c MINIMUM OR AS SPECIFIED BY SOL SUPPLIER.
- INDIVIDUAL MEMBERS OF BUILT-UP BEAMS OR HEADERS TO BE UNSPLICED BETWEEN SUPPORTS.
- ALL SAWN TIMBER EXPOSED TO EXTERIOR, IN CONTACT WITH CONCRETE AND MASONRY IS TO BE PRESSEURE TREATED IN CONFORMANCE WITH BUILDING CODE REQUIREMENTS.
- USE APPROVED JOIST HANGERS AT ALL FLUSH BEAMS. MANUFACTURER TO BE SIMPSON STRONG TIE OR PRE-APPROVED EQUAL.
- ALL BUILT-UP MEMBERS OR INDIVIDUAL JOISTS FRAMING TO FLUSH BEAMS OR HEADERS ARE TO BE CONNECTED WITH METAL HANGERS PRE-APPROVED BY ENGINEER. (SIMPSON STRONG TIE OR PRE-APPROVED EQUAL.)
- ALL LOADBEARING STUD WALLS TO BE ANCHORED TO CONCRETE AT THE BASE WITH 12mm DIAMETER BOLTS @ 1220mm MAXIMUM. FASTEN NON-LOADBEARING PARTITION WALLS WITH POWER ACTIVATED FASTENERS @ 610mm o/c MAXIMUM.
- PROVIDE MINIMUM SOLID BLOCKING @ 610mm o/c OR DOUBLE TRIMMER JOISTS AT LOCATIONS WHERE BEARING WALLS RUN PARALLEL WITH THE JOIST SPAN.
- CONTINUE ALL POSTS AND CRIPPLES DOWN TO FOUNDATION COMPLETE WITH BLOCKING IN JOIST SPACE.

SHEAR WALLS

- INSTALL SHEAR WALLS AT LOCATION SHOWN ON DRAWINGS AND DENOTED AS:
- HOLD-DOWN ANCHORS ARE TO BE SIMPSON STRONG TIE (MODEL HDU2-SDS2.5) OR APPROVED EQUIVALENT AND ARE DENOTED ON DRAWINGS AS:
- INSTALL 12mm PLYWOOD SHEATHING PANELS FOR ALL SHEAR WALLS. OSB IS AN ACCEPTABLE ALTERNATIVE.
- ALL PANEL JOINTS IN SHEAR WALLS ARE TO BE BLOCKED BETWEEN WALL STUDS.
- SHEATHING PANEL NAILING PATTERNS ARE AS FOLLOWS:
 - PANEL EDGES = 64mm (2-1/2") x 3.25mmØ COMMON NAILS @ 75mm o/c
 - PANELS INTERIOR = 64mm (2-1/2") x 3.25mmØ COMMON NAILS @ 305mm o/c
 - STAPLES ARE NOT AN ACCEPTABLE SUBSTITUTION FOR SHEAR WALL NAILS
- NAIL GUNS MAY BE USED TO INSTALL NAILS, PROVIDED THE CORRECT TYPE, QUANTITY, LENGTH AND DIAMETER OF NAILS ARE PROPERLY INSTALLED. SEE MANUFACTURES SPECIFICATIONS FOR COMMON NAIL EQUIVALENTS.

PRE-FABRICATED WOOD TRUSSES

- PREFABRICATED TRUSSES AND ALL OTHER STRUCTURAL COMPONENTS ARE TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH PART 4 OF THE ALBERTA BUILDING CODE (2014), CSA086.1, TPIC PROCEDURES AND LOCAL BYLAWS.
- LOAD DISTRIBUTION WITHIN ALL TRUSS MEMBERS IS TO BE IN CONFORMANCE WITH TPIC STANDARDS AND ARE TO INCLUDE MINIMUM TOP AND BOTTOM CHORD DEAD LOAD VALUES AND ALSO BOTTOM CHORD LIVE LOAD VALUES.
- ALL TRUSSES AND ROOF SUPPORTING COMPONENTS ARE TO BE DESIGNED FOR BALANCED AND UNBALANCED LOAD CONDITIONS, INCLUDING SNOW DRIFTING, AS PER THE ALBERTA BUILDING CODE (2014) AND NBC STRUCTURAL COMMENTARIES.
- DEFLECTION CRITERIA FOR ALL TRUSSES TO BE AS FOLLOWS:
 - MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/960
 - MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/180.
- THE WOOD TRUSS MANUFACTURERS ARE TO SUBMIT SHOP DRAWINGS AND LAYOUT PLANS INCLUDING: MEMBER LAYOUT, SIZE, SPACING AND CONNECTION DETAILS INCLUDING WEB STIFFENERS, BRACING SYSTEM, BLOCKING REQUIREMENTS, LIVE LOAD AND TOTAL LOAD DEFLECTIONS, BEARING REQUIREMENTS, BEARING ATTACHMENT, LAMINATION METHODS FOR MULTIPLE PLY MEMBERS, HANGER SCHEDULE, LOAD TRANSFER DETAILS AND INSTALLATION PROCEDURE. THE DRAWINGS ARE TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN ALBERTA CERTIFYING MEMBERS ARE CORRECT FOR SPECIFIED DESIGN LOADS AND THAT MEMBERS CONFORM TO N.B.C. AND CSA STANDARDS.
- THE GENERAL CONTRACTOR IS TO PROVIDE A LETTER BY THE TRUSS ENGINEER CERTIFYING THAT THE TRUSSES HAVE BEEN DESIGNED AND INSTALLED IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS INCLUDING ALL PERMANENT BRACING.
- THE TRUSS FABRICATOR IS TO COORDINATE FALL ARREST LOADS PROVIDED BY THE FALL ARREST DESIGN ENGINEER.
- WHERE BOTTOM CHORD BRACING IS REQUIRED AT SPACING OTHER THAN 3000mm o/c SUCH AS CANTILEVERS, INTERIOR BEARINGS, WIND UPLIFT CONDITIONS, THE BOTTOM CHORD BRACING IS TO BE GRAPHICALLY SHOWN ON THE TRUSS SHOP DRAWINGS.
- TRUSSES TO BE CAMBERED FOR 1/2 LIVE LOAD AND FULL DEAD LOAD. TRUSSES WITH MORE THAN TWO BEARING POINTS TO BE FABRICATED WITH NO CAMBER FOR LEVEL BEARING.
- ALL MARK NUMBERS TO BE CLEARLY DISPLAYED ON THE UNDERSIDE OF THE TRUSS BOTTOM CHORD.
- TRUSS FABRICATOR TO SPECIFY AND SUPPLY ALL TRUSS CONNECTION HARDWARE AND TIE-DOWNS, AND TO PROVIDE BEARING DETAILS WHERE REQUIRED BEARING AREA EXCEEDS THE ACTUAL BEARING AREA AVAILABLE. ANY SPECIAL FASTENERS (OTHER THAN FASTENERS COMMONLY FOUND ON CONSTRUCTION SITES) TO BE SUPPLIED BY TRUSS FABRICATOR.
- GENERAL CONTRACTOR TO COORDINATE ALL MECHANICAL LOADS, DUCT OPENINGS, CURB SIZES, AND ROOF TOP UNIT LOCATIONS WITH THE TRUSS FABRICATOR AND MECHANICAL CONTRACTOR.
- FIELD DRILLING, CUTTING, NOTCHING OR OTHER MODIFICATIONS TO THE TRUSSES IS NOT PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE TRUSS FABRICATOR'S SPECIALTY PROFESSIONAL ENGINEER. COPIES OF ANY MODIFICATION APPROVALS TO BE SUBMITTED TO PROJECT ENGINEER

CONCRETE

- PREPARATION, PLACING AND FINISHING OF CONCRETE IS TO CONFORM TO CSA A23.1.
- TESTING OF CONCRETE IS TO CONFORM TO CSA A23.2. THE FREQUENCY AND NUMBER OF TESTS IS NOT TO BE LESS THAN ONE STRENGTH, SLUMP AND AIR TEST FOR FOOTINGS, FOUNDATIONS AND SLABS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE THE TESTING SCHEDULE AND TIMING WITH THE TESTING AGENCY.
- IF A CONCRETE HARDENER IS SELECTED BY THE OWNER/ARCHITECT THEN THE AIR CONTENT OF THE CONCRETE IS TO BE COORDINATED WITH THE MANUFACTURER FOR COMPATIBILITY.
- CONCRETE PROPERTIES:

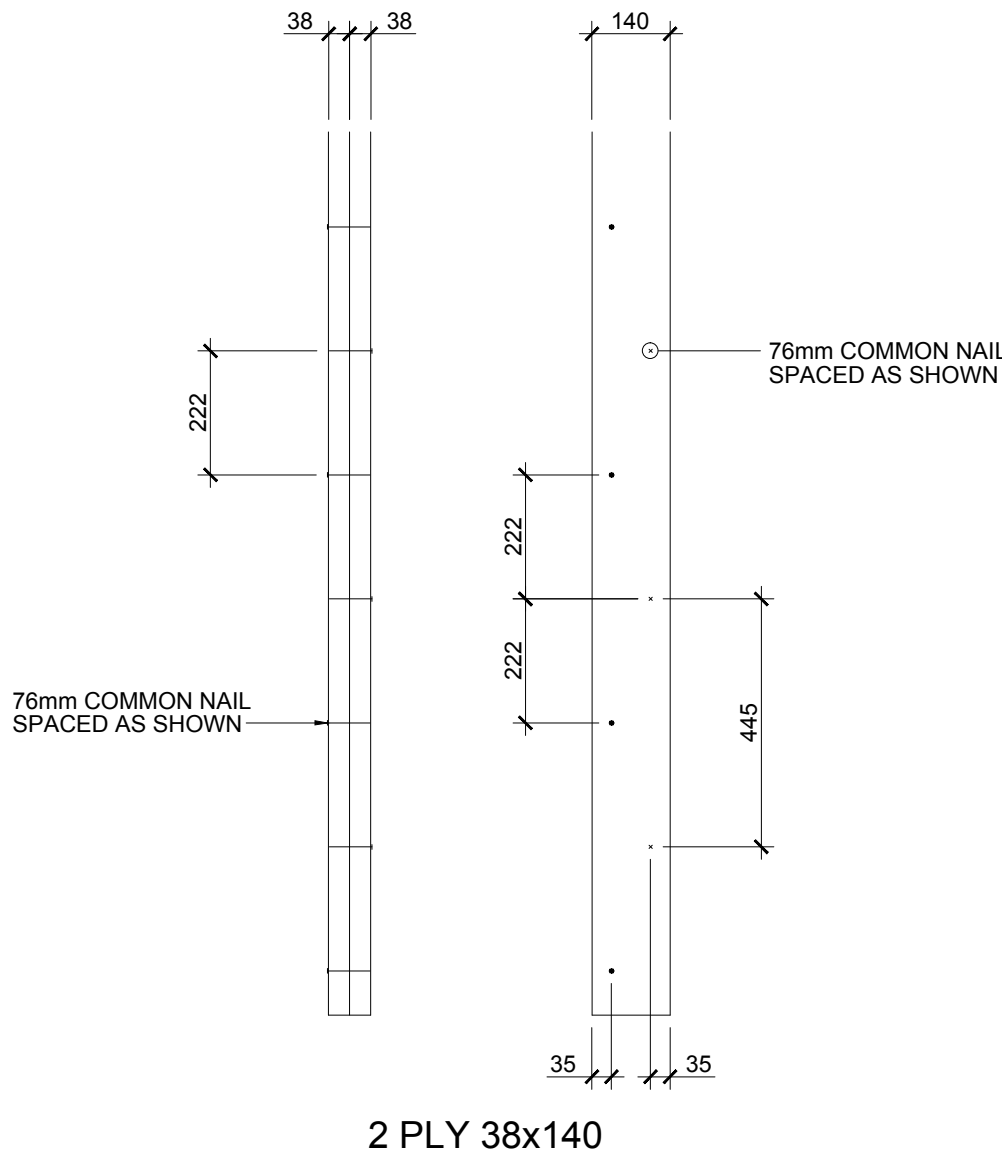
ITEM	AGG. SIZE (")	28 DAY STRENGTH	W/C	AIR (%)	CEMENT TYPE	EXPOSURE
SLAB/FOUNDATION	20mm	25 Mpa	.55	4 - 7	GU	F-2

REINFORCING

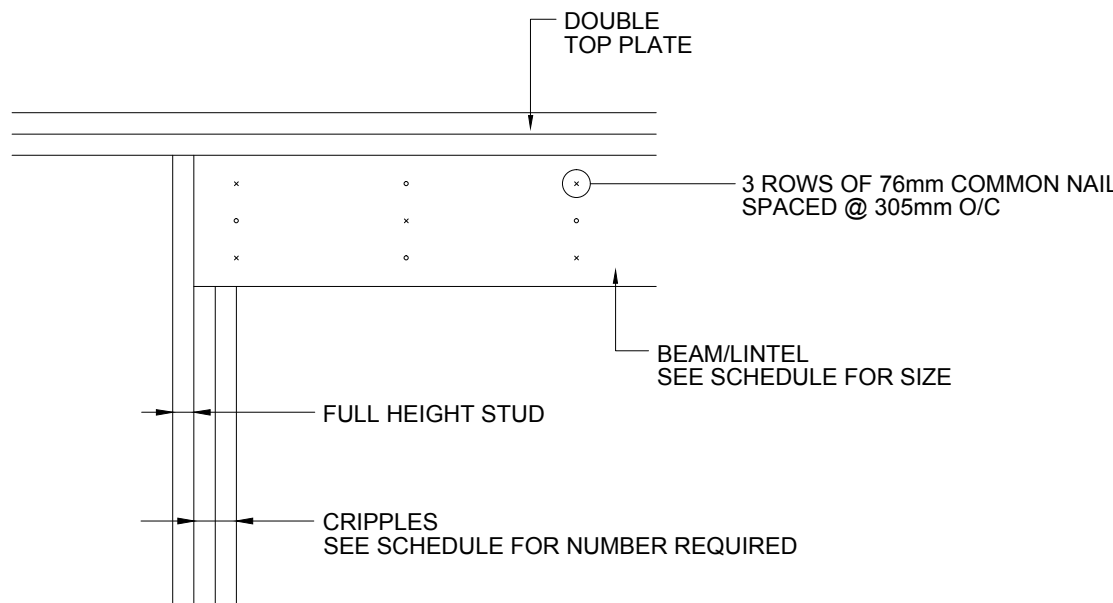
- REINFORCING STEEL IS TO CONFORM TO CSA G30.12M - GRADE 400 MPa.
- REINFORCING STEEL IS TO BE PLACED AS DETAILED TO 3/8" TOLERANCE AND IS TO BE SUPPORTED BY METAL OR PLASTIC SUPPORTS AND/OR HANGERS IN ACCORDANCE WITH CSA A23.1.
- LAP ALL REINFORCING BAR SPLICES 32 BAR DIAMETERS MINIMUM UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- REINFORCING STEEL IS TO BE CLEAN, FREE OF CORROSION AND UNDAMAGED.
- DO NOT WELD BARS OR USE HEAT TO BEND REINFORCING STEEL.
- CONCRETE COVER OVER REINFORCEMENT IS TO BE:
 - SURFACE PLACED IN CONTACT WITH GROUND = 76mm
 - FORMED SURFACE EXPOSED TO GROUND OR WEATHER = 50mm

LINTEL SCHEDULE	
TYPE	DESCRIPTION
L1	(2) PLY 38x140 SPF No.1/No.2 BUILT-UP BEAM
L2	(2) PLY 38x184 SPF No.1/No.2 BUILT-UP BEAM

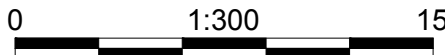
BUILT-UP POST SCHEDULE	
POST TYPE	DESCRIPTION
BU1	38x184 SPF No.1/No.2, (1) CRIPPLE, (1) FULL HEIGHT
BU2	38x184 SPF No.1/No.2, (1) CRIPPLES, (2) FULL HEIGHT



1 S1.01 BUILT-UP POST NAILING PATTERN SCALE: 1:20

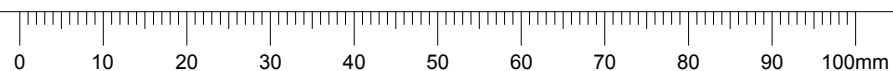


2 S1.01 HEADER/CRIPPLE DETAIL SCALE: 1:15



NET FACTORED WIND UPLIFT = 1.4 x (SPECIFIED WIND UPLIFT - SPECIFIED ROOF DEAD LOAD)

A S1.01 WIND UPLIFT DIAGRAM SCALE: NTS



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1				
0	2017.03.13	ISSUED FOR REVIEW	JU	LB
Rev.	Date	Description	Drawn Dessiné	Designed Conçu
				Approved Approuvé

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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur	
Client		

Parks Canada Agency
Western and Northern Region

L'Agence Parcs
Canada
Ouest et Nord Région

McElhanney Consulting Services Ltd.

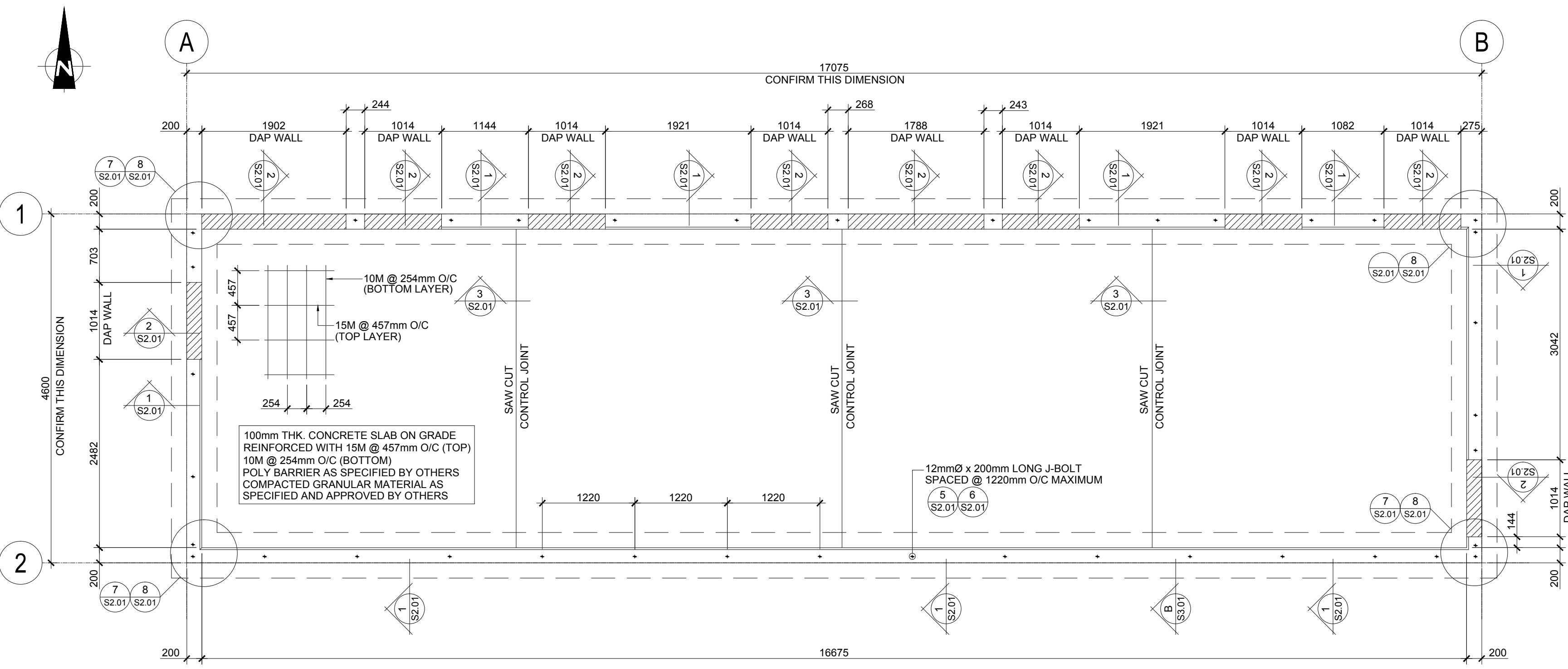
1800 Wilkebrook Drive
Cranbrook, BC
Canada V1C 7Y9
Tel (250) 498-3013

Project Title Titre du projet	ELK ISLAND VISITOR CENTRE REHABILITATION FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB
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STRUCTURAL
SPECIFICATION AND
GENERAL NOTES

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
Designed by / Conçu par	Reviewed by / Révisé par	2017.03.13
		Scale / Echelle AS NOTED

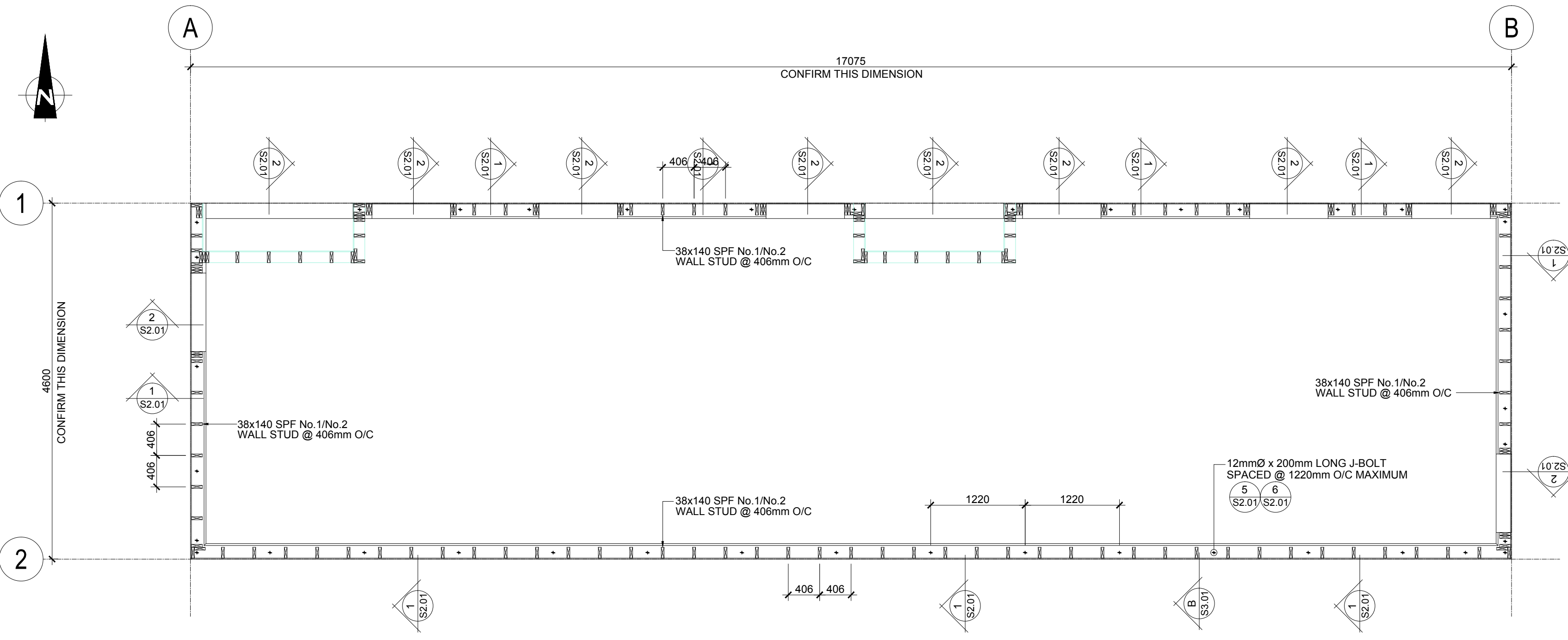
Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
MARK MCINTYRE		
Client Acceptance / Acception du client		Approved by / Approuvé par
Parks Canada Responsible Officer / Agent Responsable Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet	Asset No. / No. du bien	Sheet No. No. de la feuille
2131-00299	####	S1.01
Drawing Reference No. / No. de référence du dessin		
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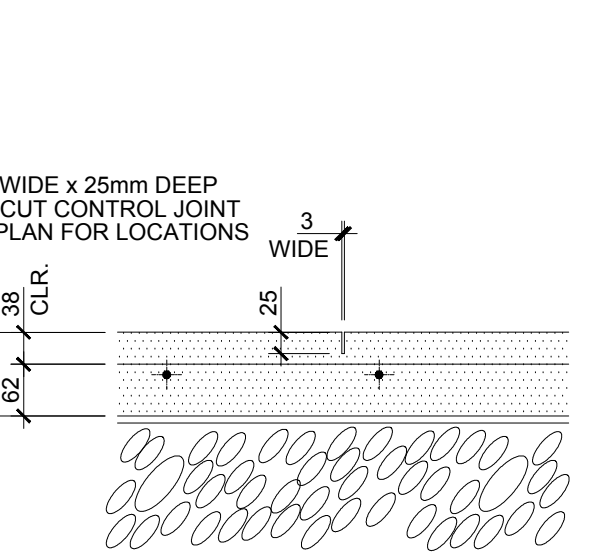
CONTRACTOR NOTE

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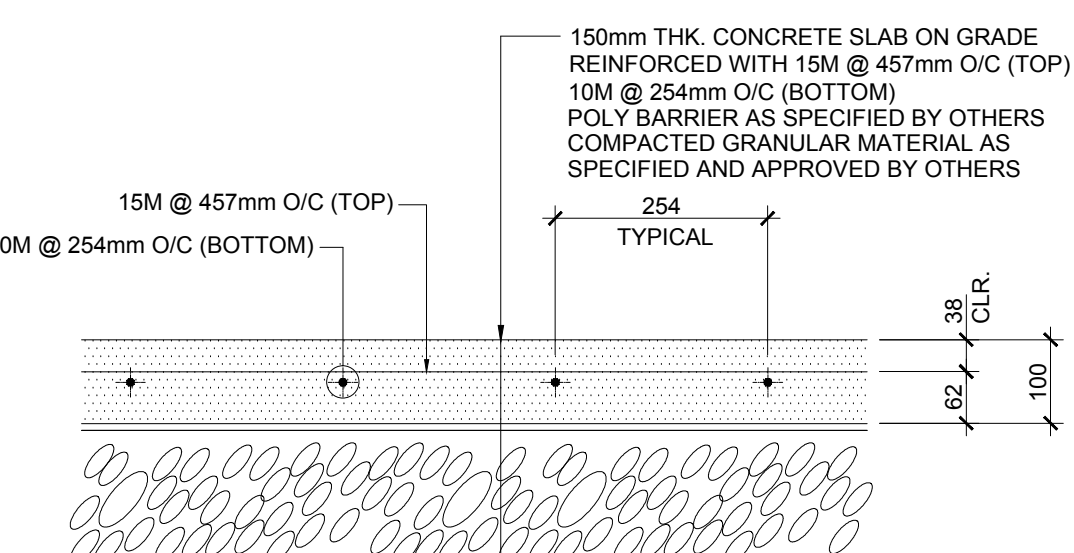
A FOUNDATION PLAN
SCALE: 1:50



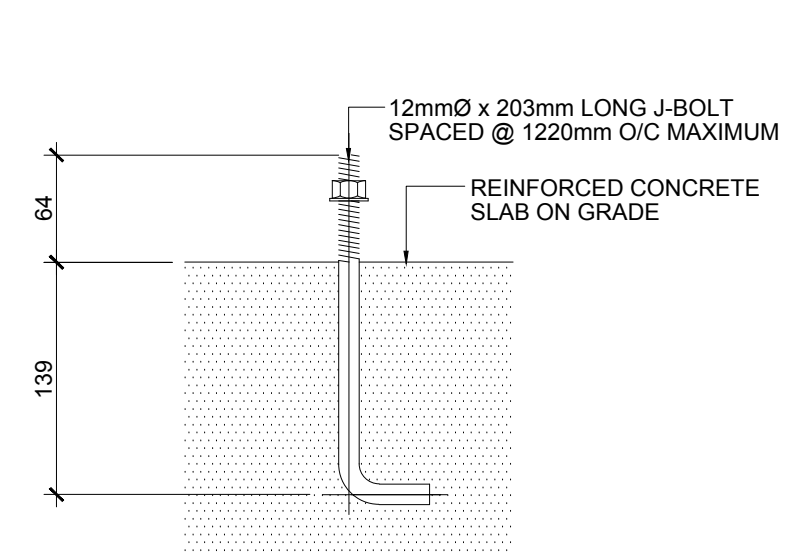
B WALL FRAMING PLAN
SCALE: 1:50



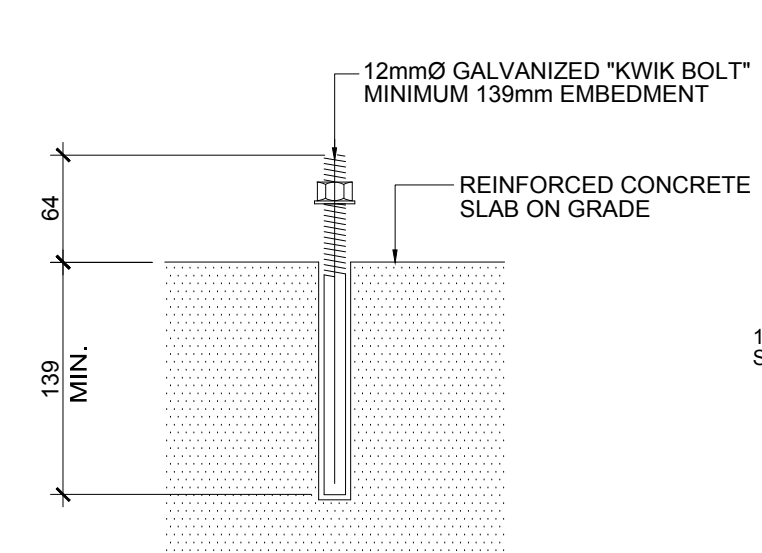
3 TYPICAL SAW CUT DETAIL
SCALE: 1:10



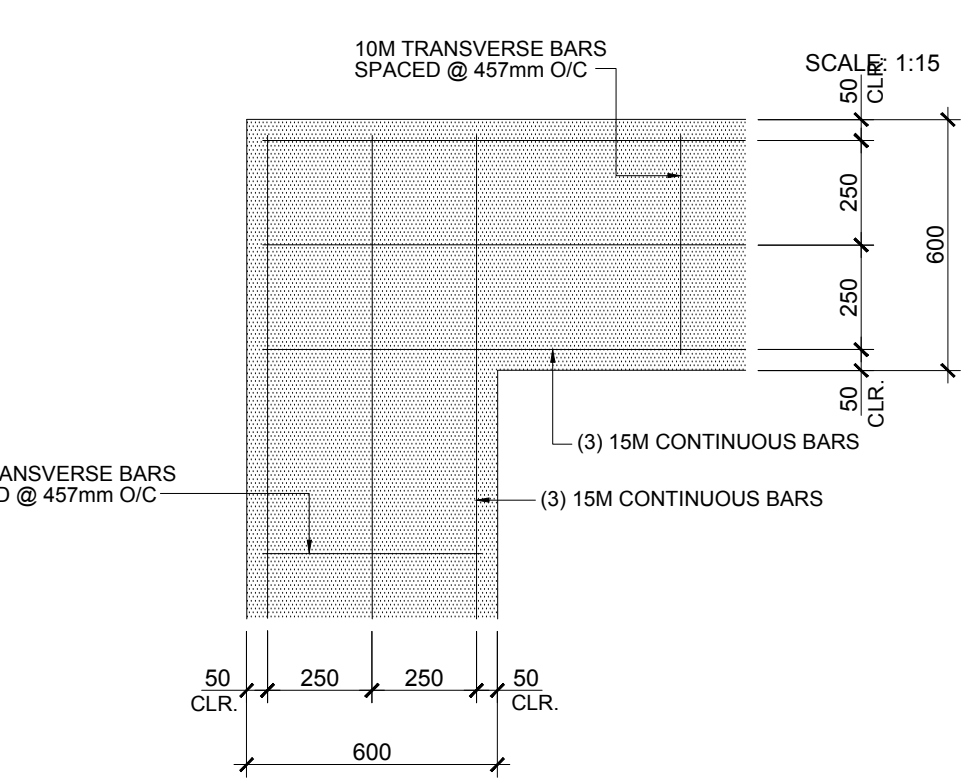
4 TYPICAL CONCRETE SLAB DETAIL
SCALE: 1:10



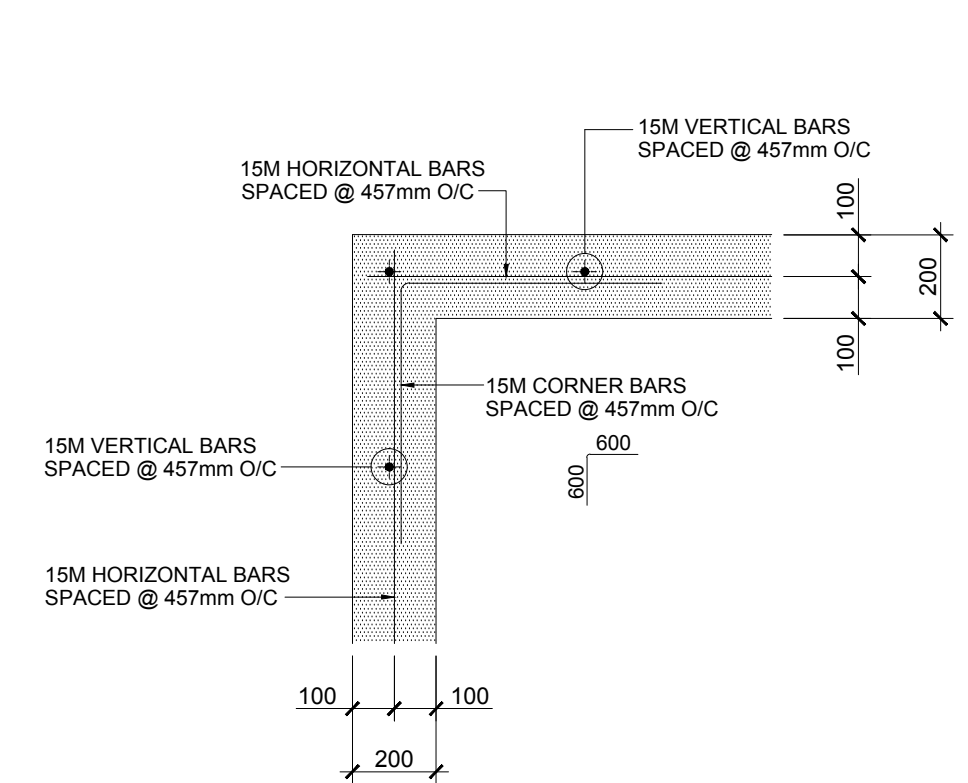
5 J-BOLT DETAIL
SCALE: 1:5



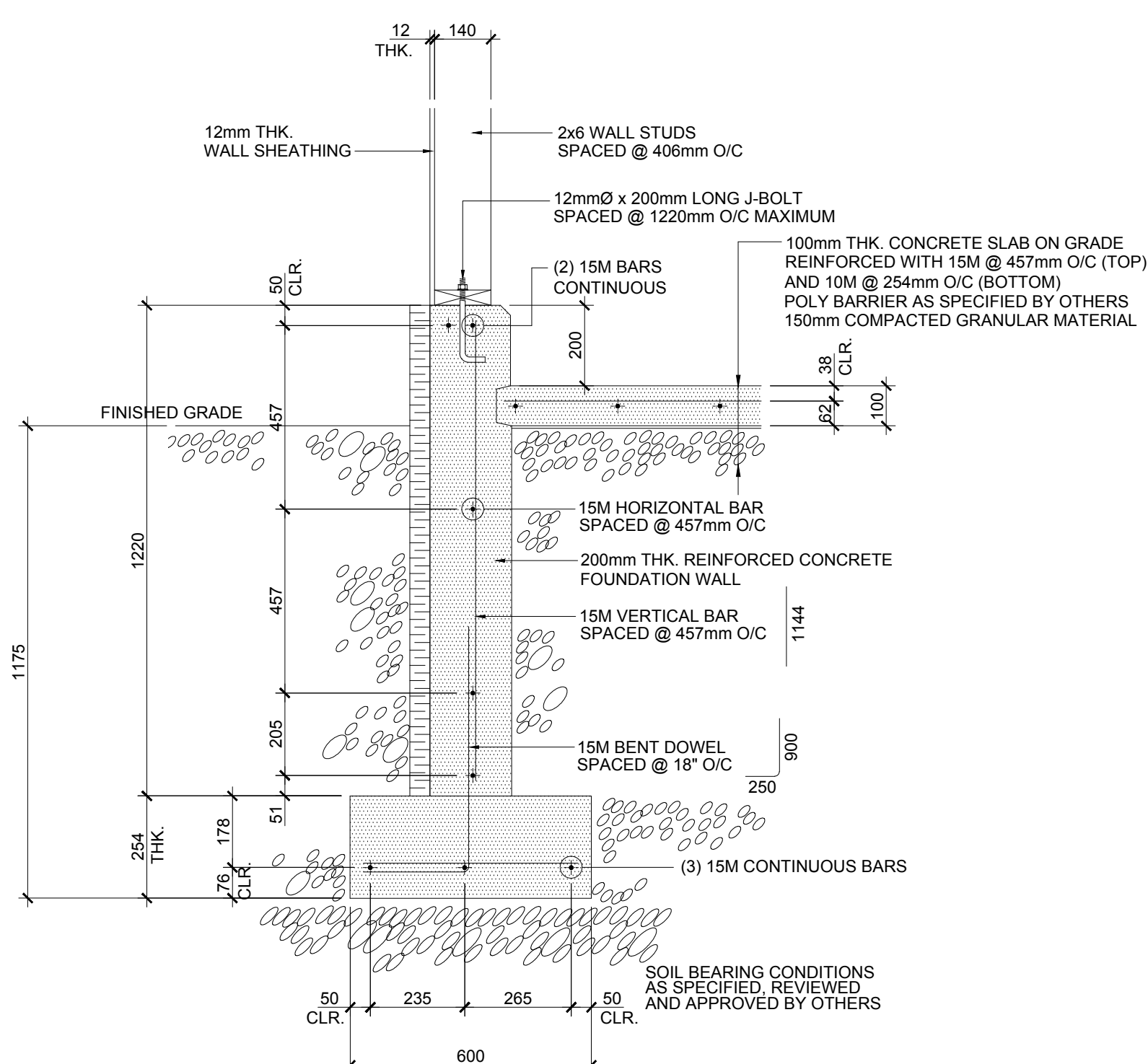
6 HILTI 'KWIK BOLT' OPTION
SCALE: 1:5



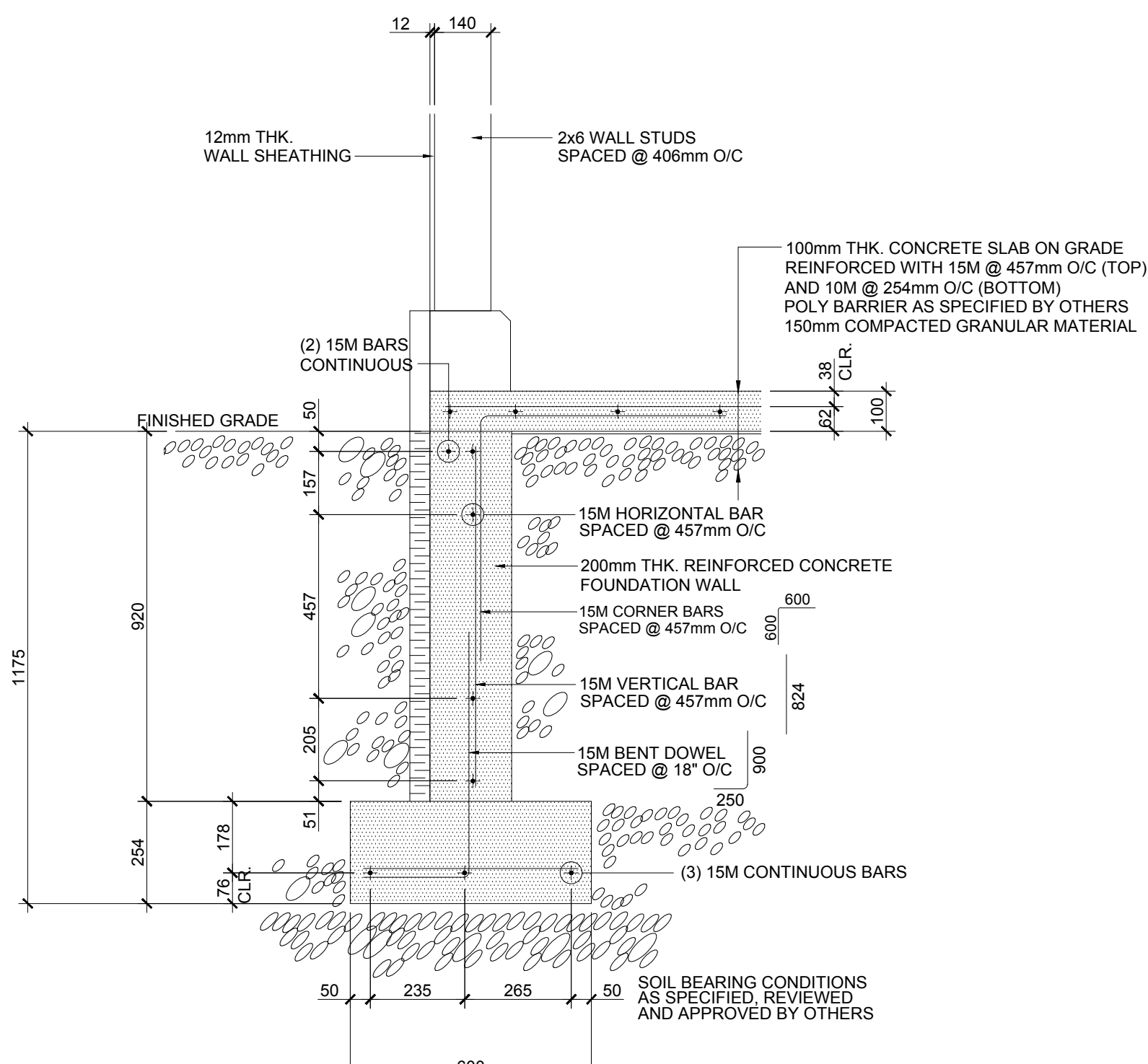
7 FOOTING CORNER DETAIL
SCALE: 1:15



8 FOUNDATION WALL CORNER DETAIL
SCALE: 1:15



1 FOUNDATION WALL SECTION
SCALE: 1:15



2 FOUNDATION WALL SECTION
SCALE: 1:15

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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur		

Client	<div><div></div><div>Parks Canada Agency Western and Northern Region</div></div>	<div><div></div><div>L'Agence Parcs Canada Ouest et Nord Région</div></div>
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Consultant's Name Nom de l'expert-conseil	<div><div></div><div>McElhanney Consulting Services Ltd.</div></div>
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Project Title Titre du projet	<div><div>ELK ISLAND VISITOR CENTRE REHABILITATION</div><div>FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB</div></div>
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Drawing Title Titre du dessin	<div><div>FOUNDATION PLAN, WALL FRAMING PLAN, FOUNDATION SECTIONS AND DETAILS</div></div>
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Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
Designed by / Conçu par	Reviewed by / Révisé par	2017.03.13
		Scale / Echelle AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada	MARK MCINTYRE
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Client Acceptance / Acceptation du client	Approved by / Approuvé par
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Parks Canada Responsible Officer / Agent Responsable Parcs Canada	Parks Canada Project Manager / Administrateur de Projets Parcs Canada
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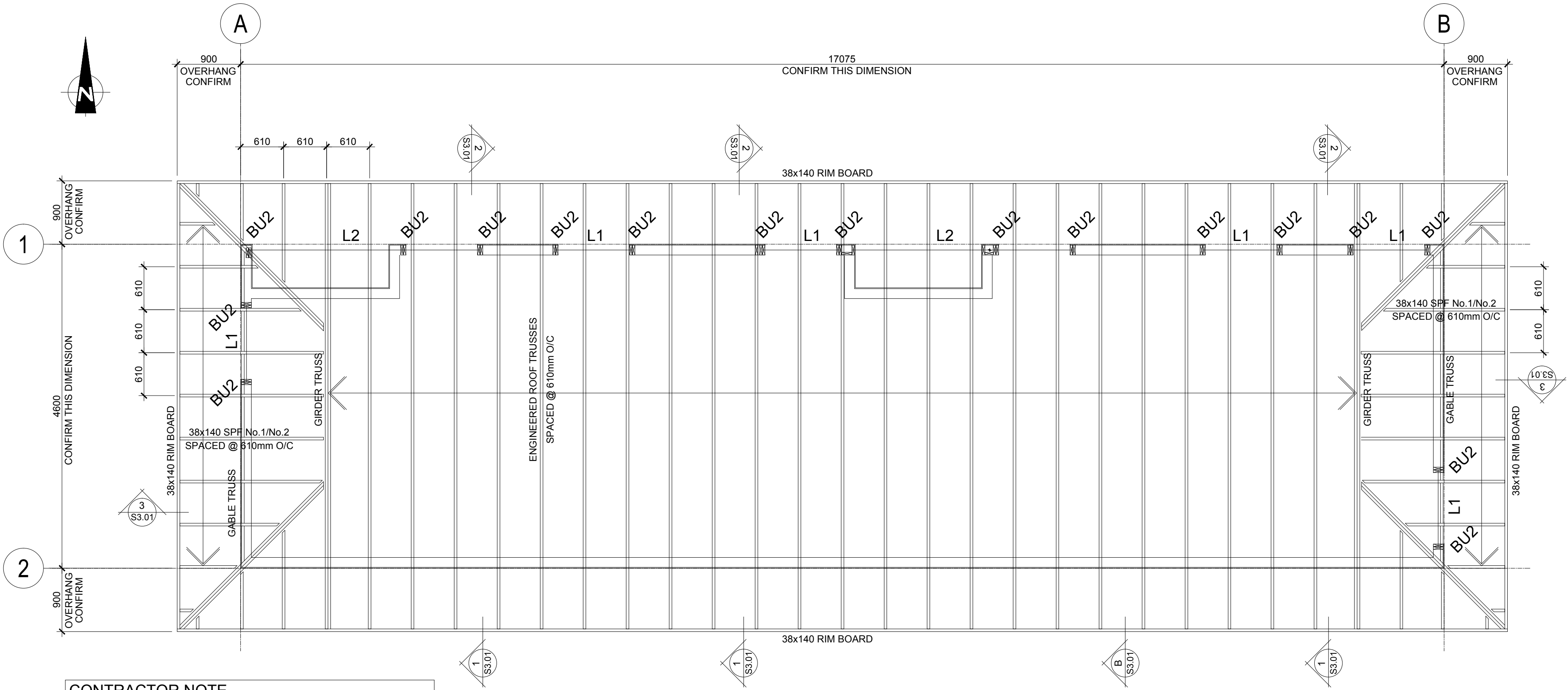
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2131-00299	####	S2.01

Drawing Reference No. / No. de référence du dessin	####
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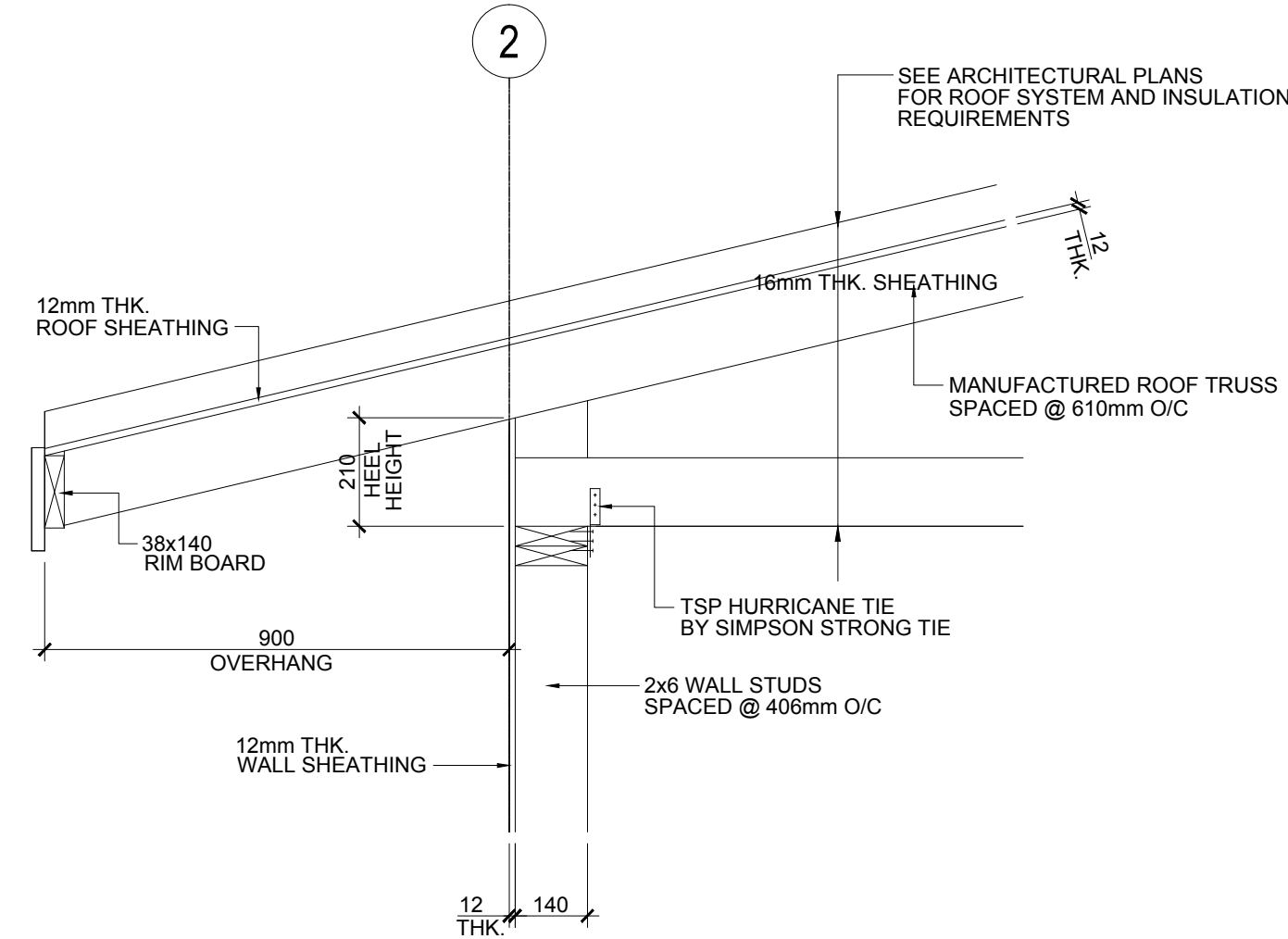




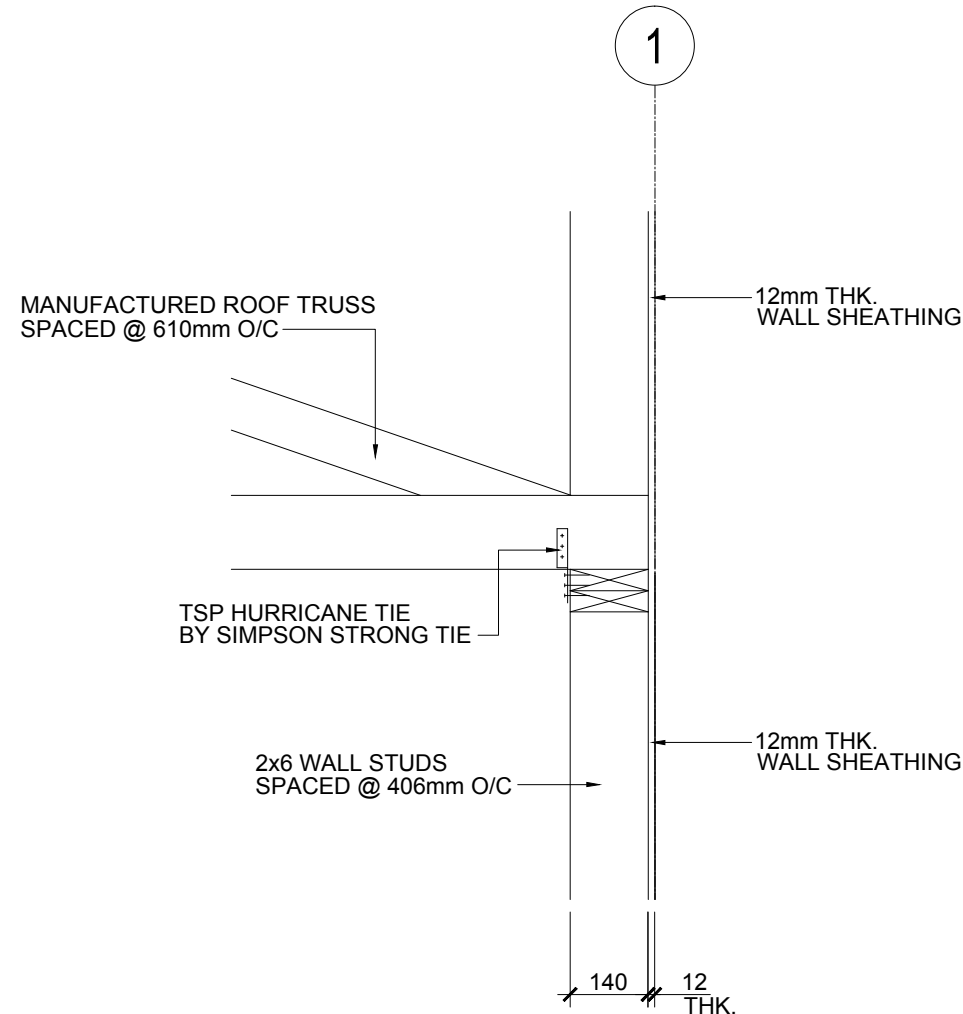
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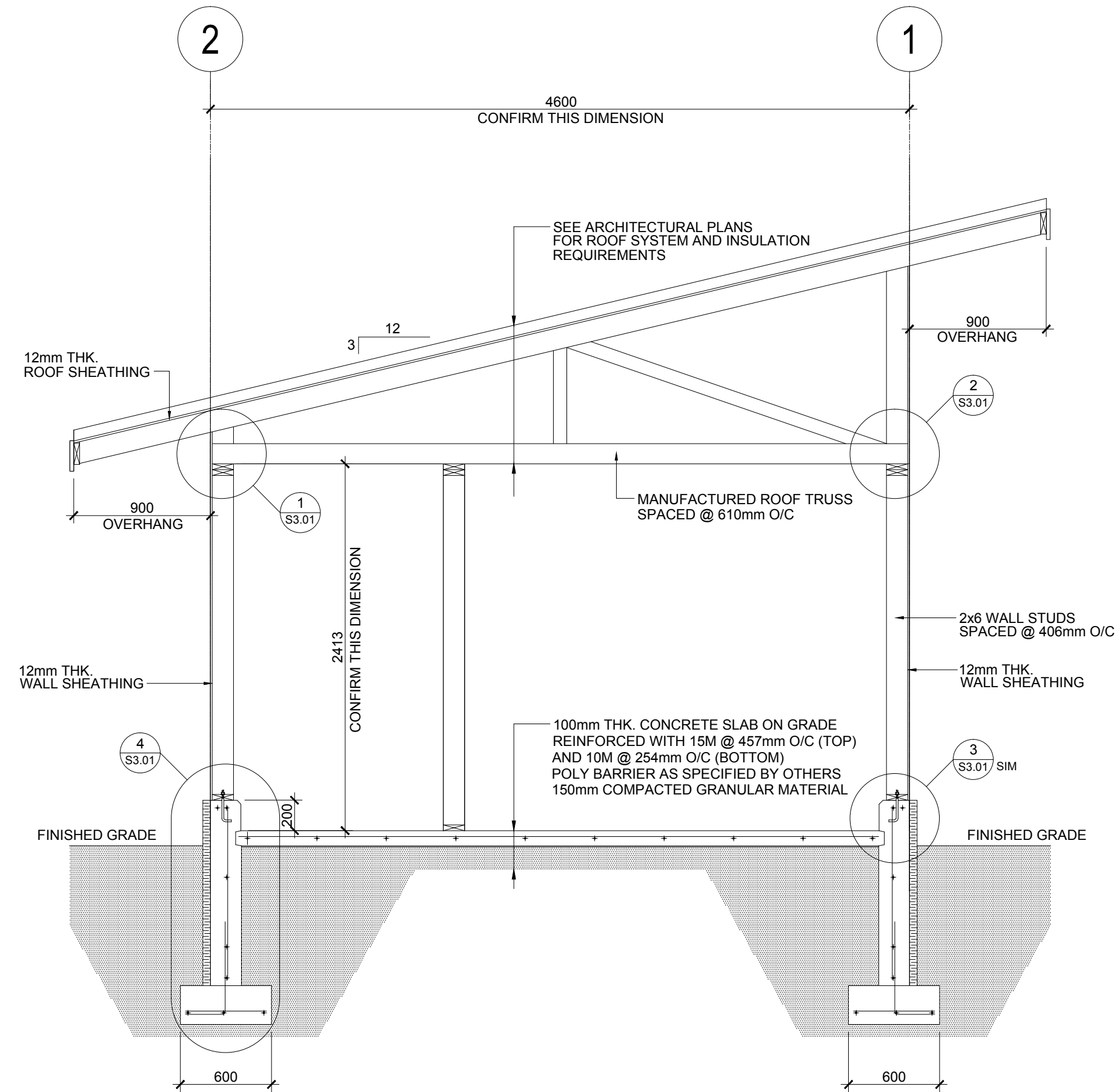
ROOF FRAMING PLAN
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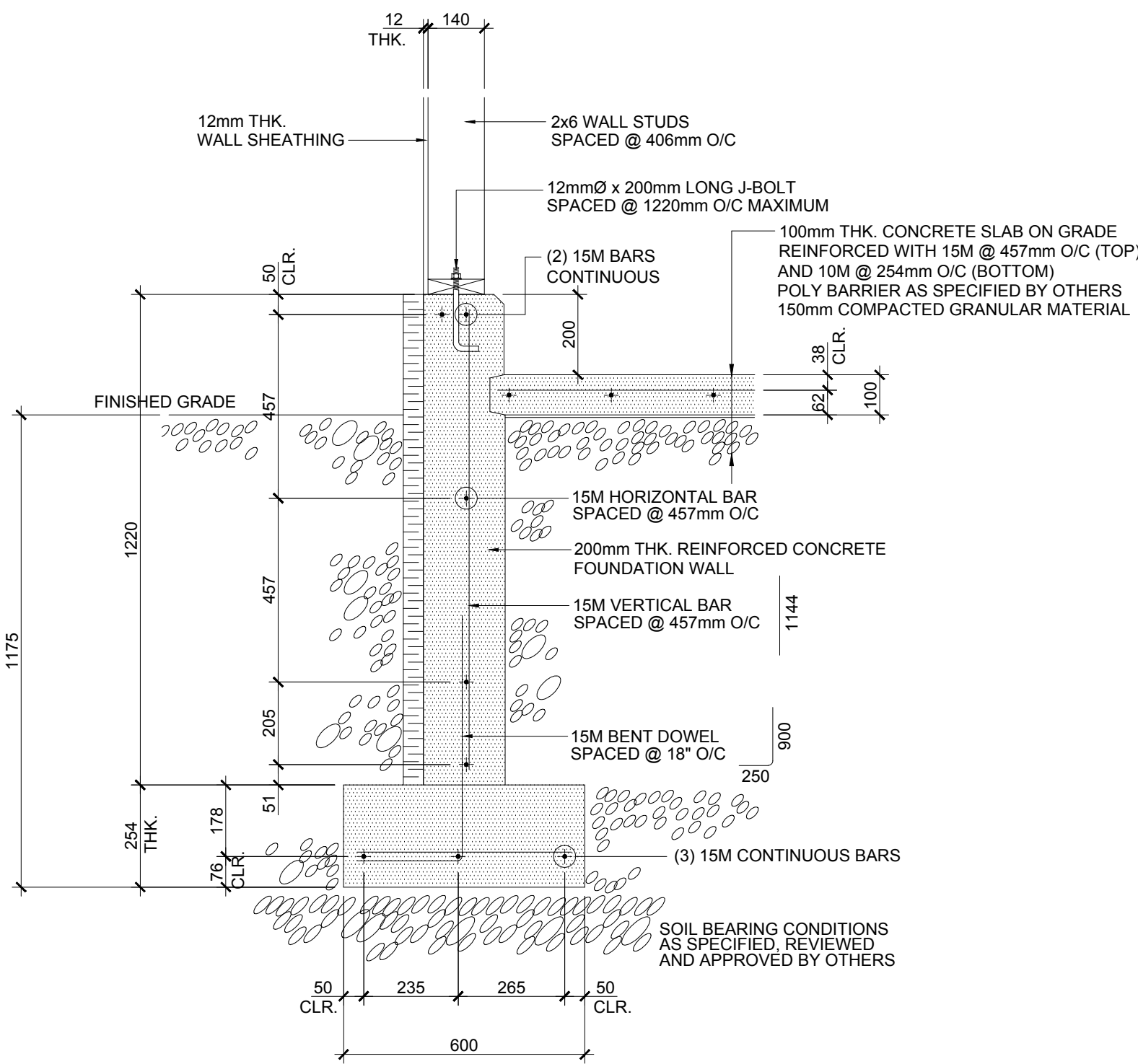
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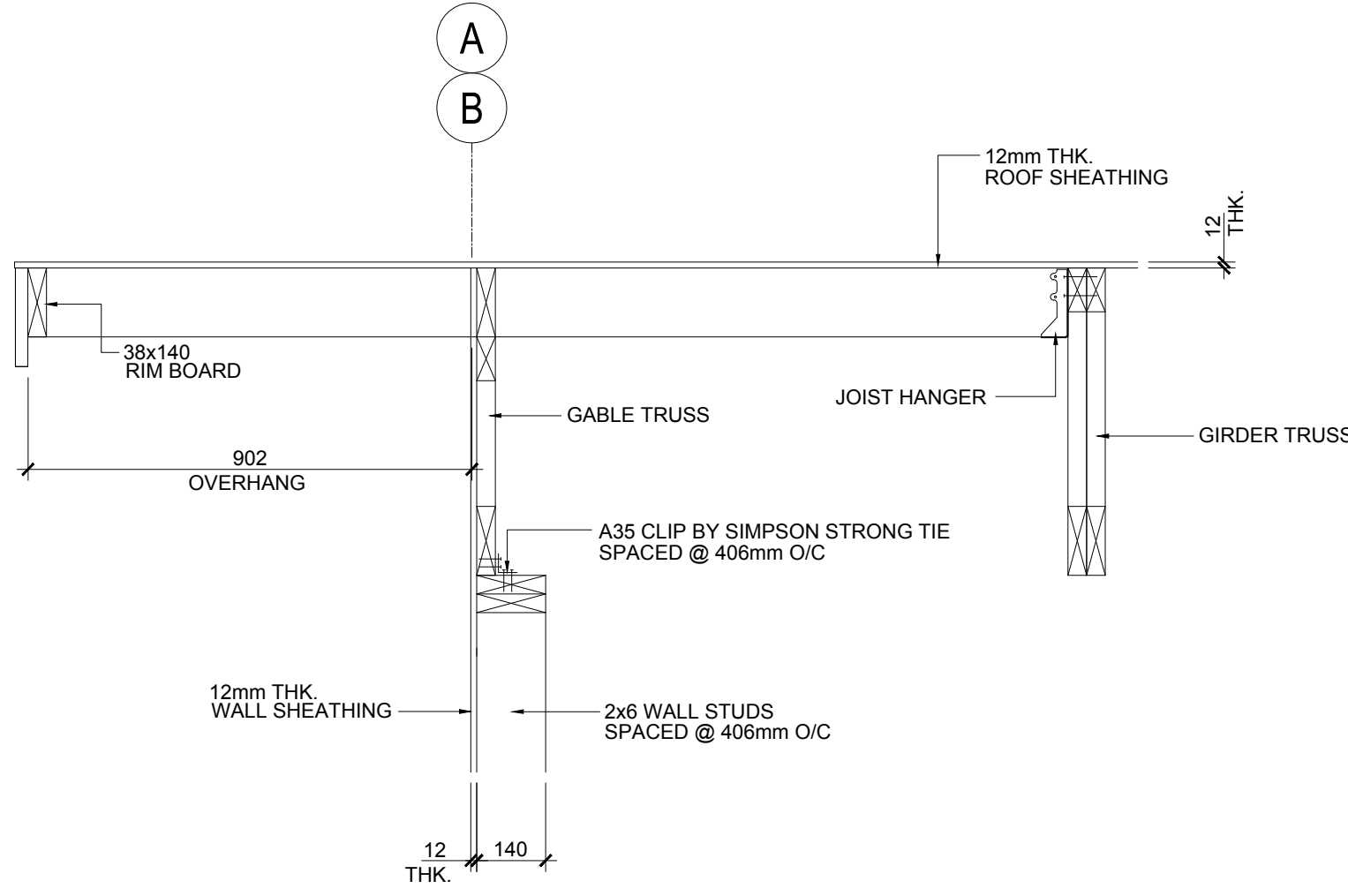
PARTIAL SECTION
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BUILDING SECTION
SCALE: 1:50



FOUNDATION WALL SECTION
SCALE: 1:15




PARTIAL SECTION
SCALE: 1:15

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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur		

Client	<div><div></div><div>Parks Canada Agency Western and Northern Region</div></div>	<div><div></div><div>L'Agence Parcs Canada Ouest et Nord Région</div></div>
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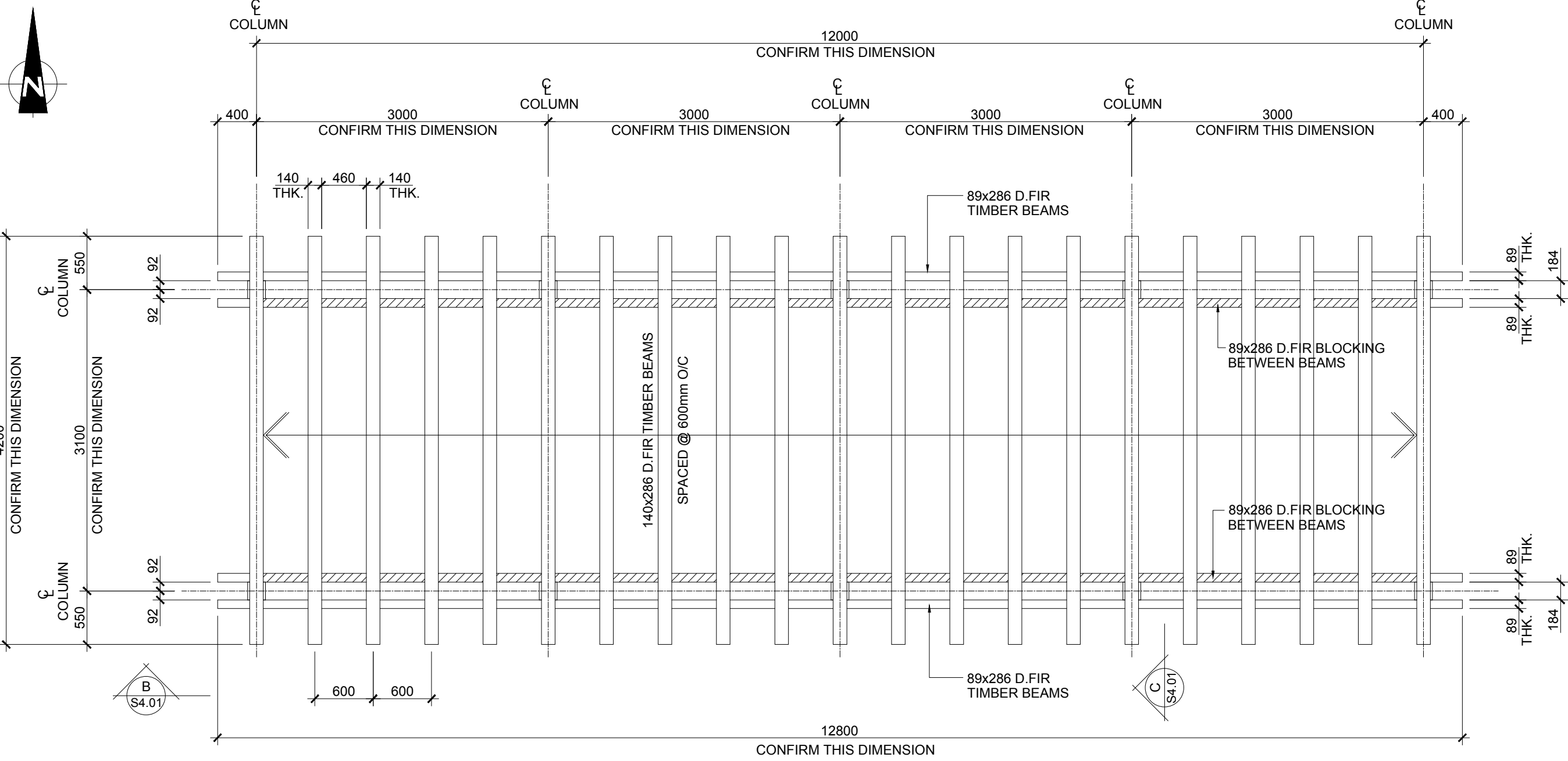
Consultant's Name Nom de l'expert-conseil	<div><div></div><div>McElhanney McElhanney Consulting Services Ltd.</div></div>	<div><div>1800 Wilkbrook Drive Cranbrook, BC Canada V1C 7N9 Tel (250) 488-3013</div></div>
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Project Title Titre du projet	<div><div>ELK ISLAND VISITOR CENTRE REHABILITATION</div><div>FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB</div></div>
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Drawing Title Titre du dessin	<div><div>ROOF FRAMING PLAN, BUILDING SECTION AND PARTIAL SECTIONS</div></div>
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Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
		2017.03.13
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
		AS NOTED

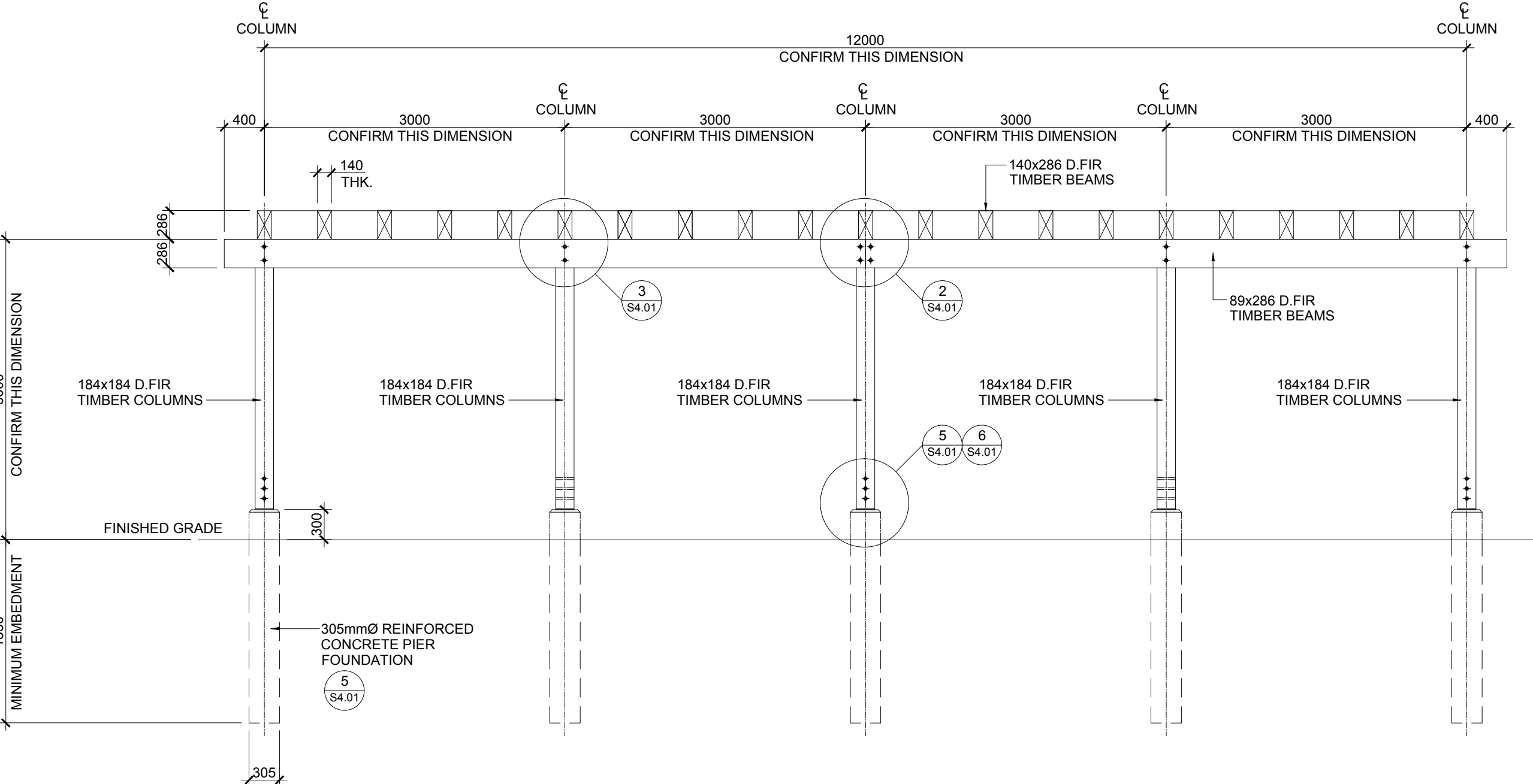
Parks Canada Project Manager / Administrateur de Projets Parcs Canada		
MARK MCINTYRE		
Client Acceptance / Acceptation du client		Approved by / Approuvé par
<div></div> <div>Parks Canada Responsible Officer / Agent Responsable Parcs Canada</div>		<div></div> <div>Parks Canada Project Manager / Administrateur de Projets Parcs Canada</div>
Project No. / No. du projet	Asset No. / No. du bien	Sheet No. No. de la feuille
2131-00299	####	S3.01
Drawing Reference No. / No. de référence du dessin		
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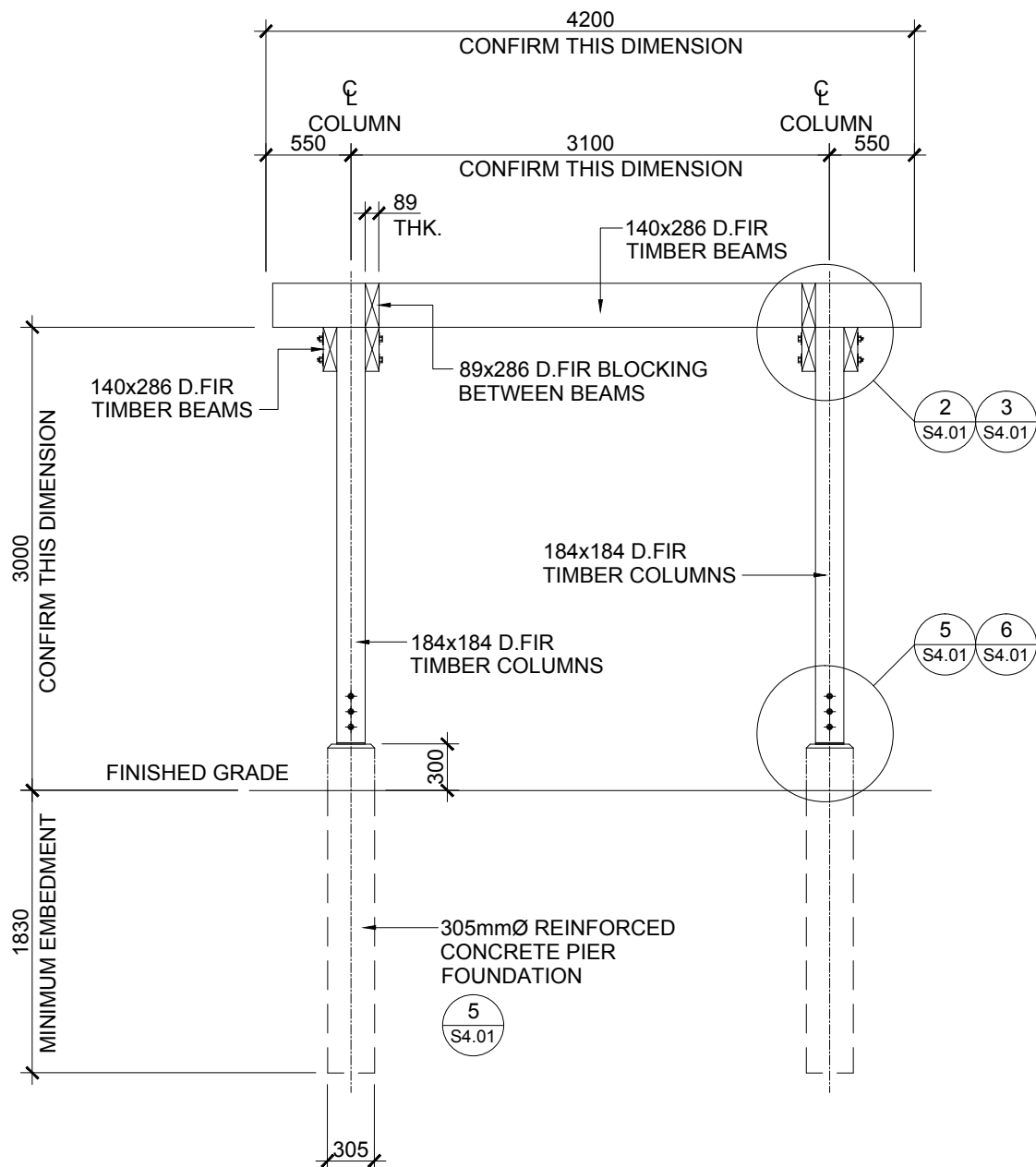
CONTRACTOR NOTE

THESE DRAWINGS IDENTIFY STRUCTURAL FRAMING DETAILS ONLY AND DIMENSIONS SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY. REFER TO THE ARCHITECTURAL PLANS PREPARED BY SZ ARCHITECTURE FOR ALL DIMENSIONS, INSULATION, VAPOUR BARRIER, AIR BARRIER, AND DRAINAGE REQUIREMENTS PRIOR TO CONSTRUCTION. REPORT ALL DESCREPARNCIES TO ENGINEER.

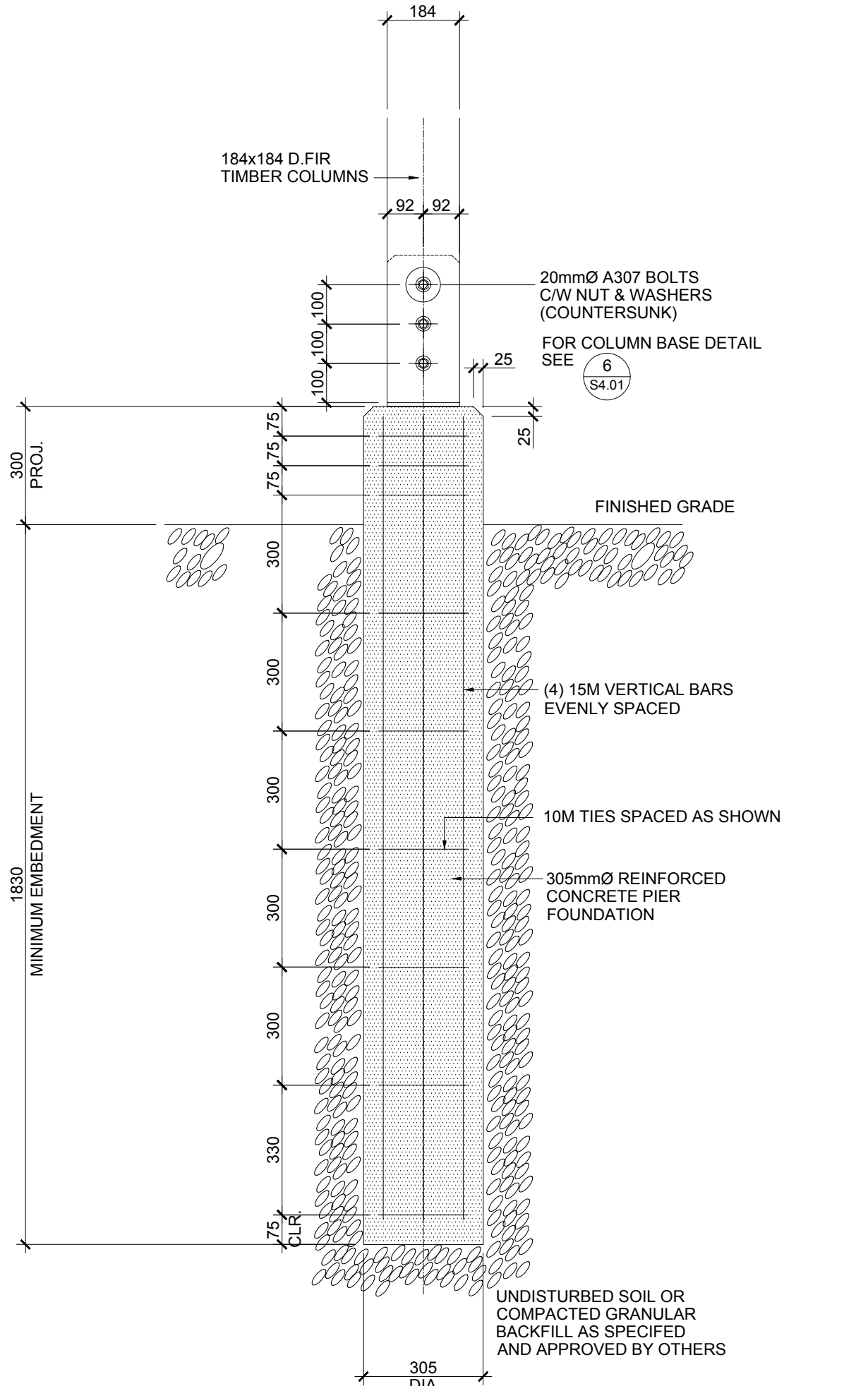
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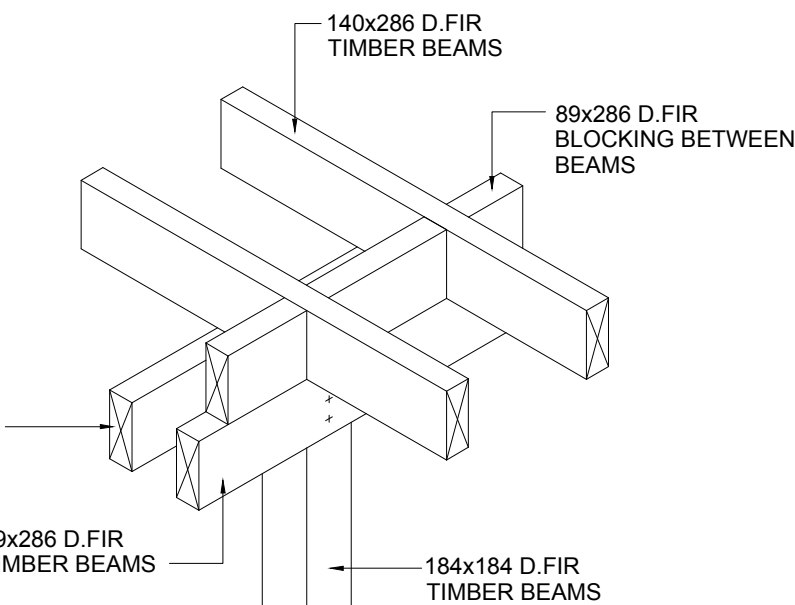
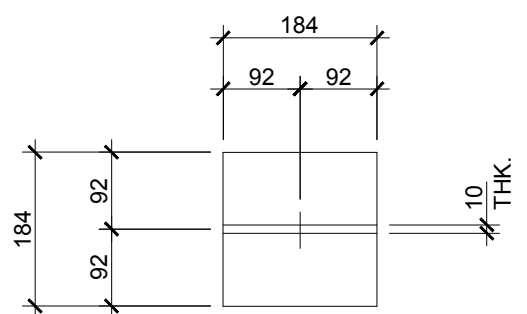
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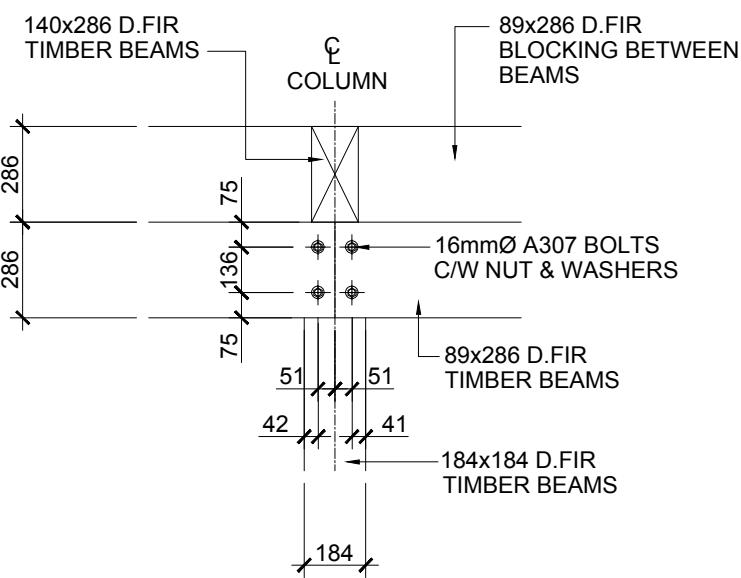
C PERGOLA - SECTION
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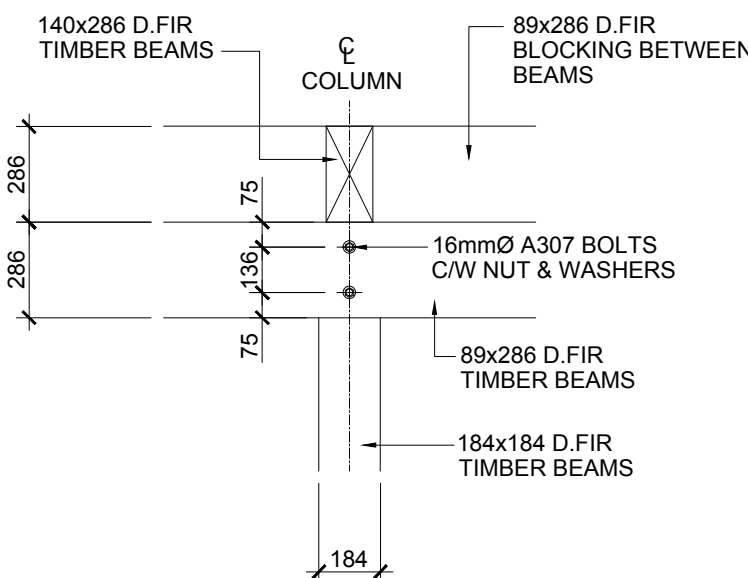
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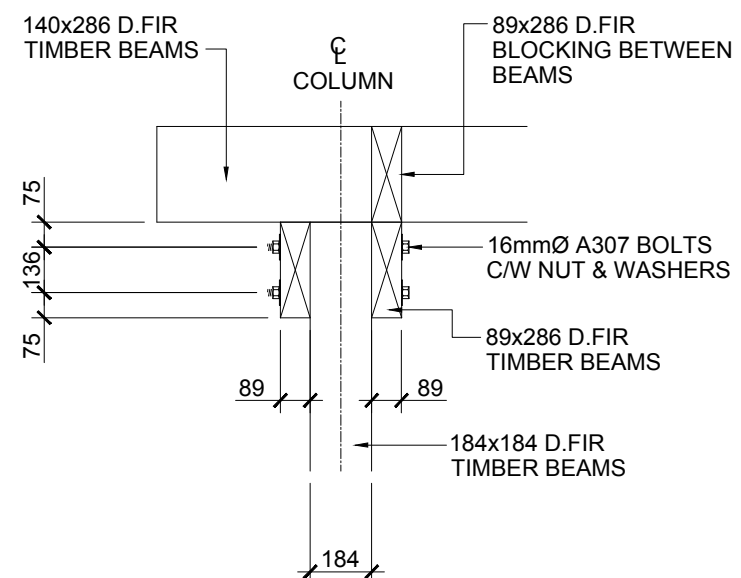
1 PERGOLA - CONNECTION DETAIL
SCALE: 1:50



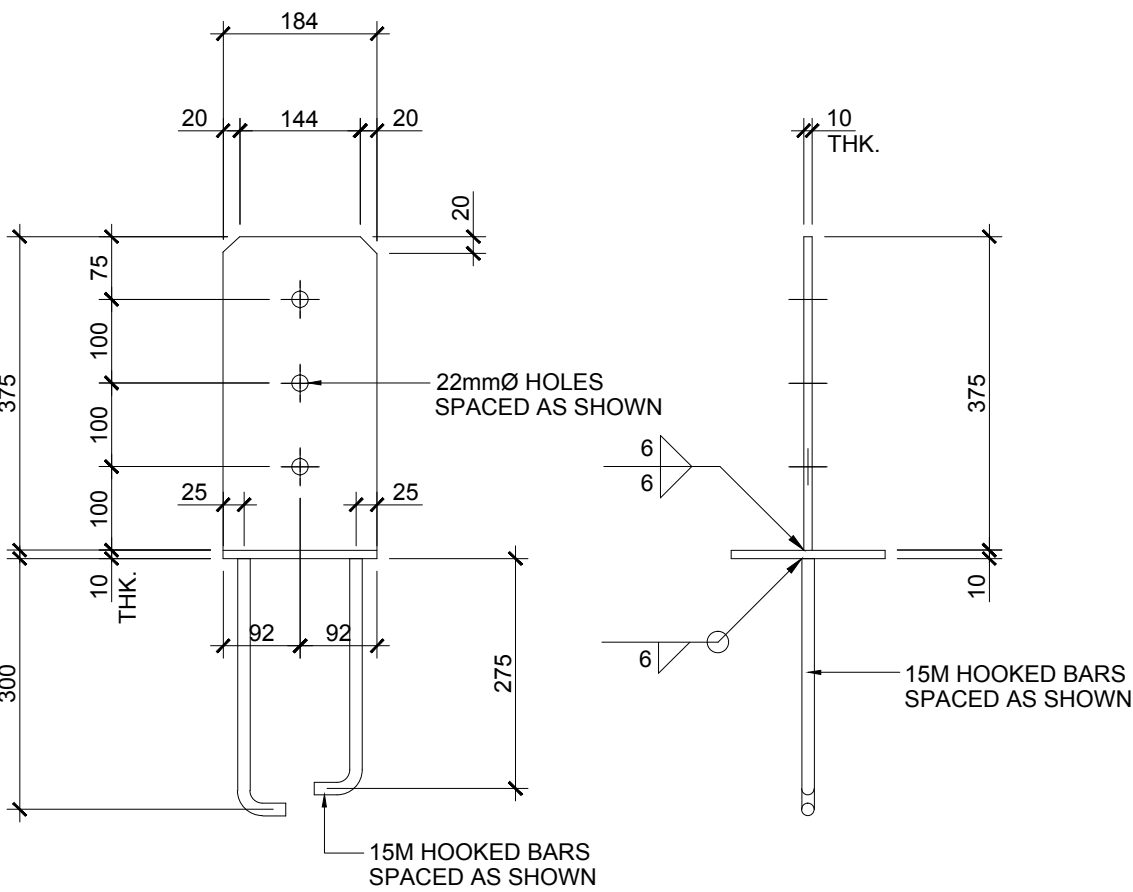
2 CONNECTION DETAIL
SCALE: 1:25



3 CONNECTION DETAIL
SCALE: 1:25



4 CONNECTION DETAIL
SCALE: 1:25



6 COLUMN BASE DETAIL
SCALE: 1:10

NOT FOR CONSTRUCTION

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2				
1				
0	2017.03.13	ISSUED FOR REVIEW	JU	LB
Rev.	Date	Description	Drawn Dessiné	Designed Conçu

<div><div>A</div><div>B</div><div>C</div></div>	<div><div>A</div><div>B</div><div>C</div></div>	<div><div>A</div><div>B</div><div>C</div></div>	<div><div>A</div><div>B</div><div>C</div></div>
Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur		

Client	<div><div></div><div><div>Parks Canada Agency Western and Northern Region</div><div>L'Agence Parcs Canada Ouest et Nord Région</div></div></div>
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Consultant's Name Nom de l'expert-conseil	<div><div></div><div><div>McElhanney</div><div>McElhanney Consulting Services Ltd.</div></div></div>
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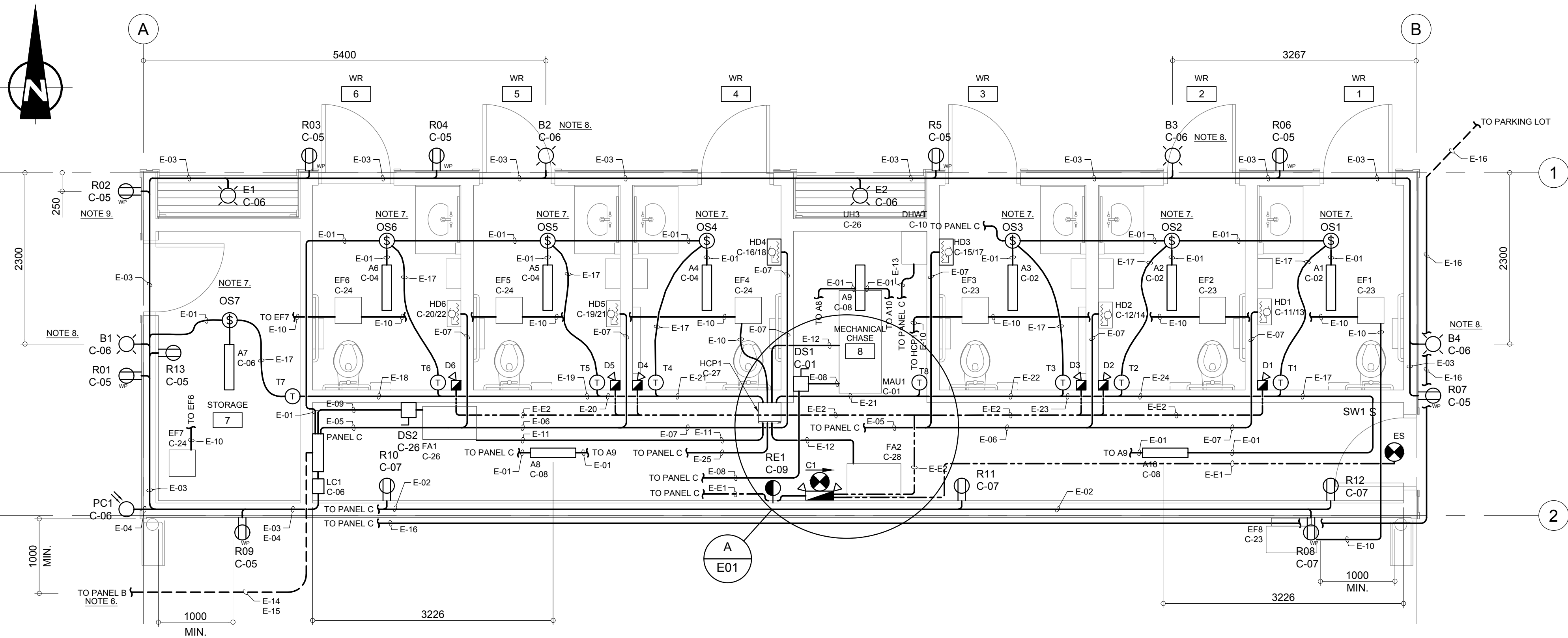
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Drawing Title Titre du dessin	<div><div>PERGOLA ROOF FRAMING PLAN AND ELEVATIONS</div></div>
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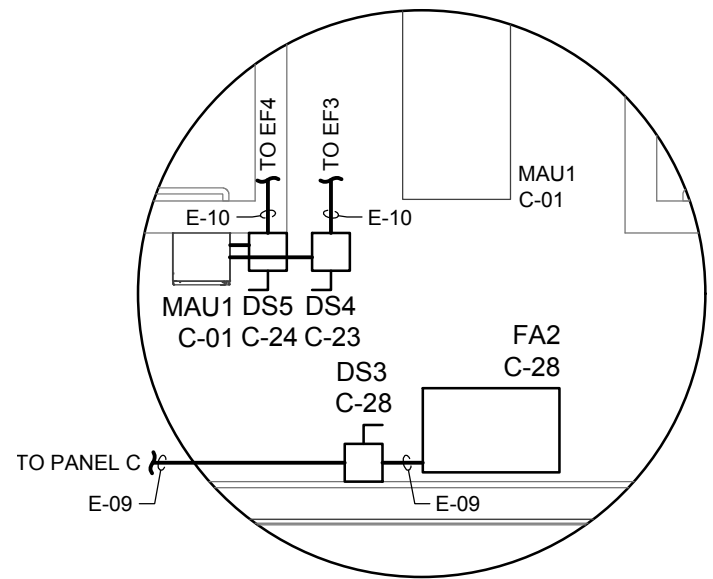
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		2017.03.13
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
		AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada	
MARK MCINTYRE	
Client Acceptance / Acceptation du client	Approved by / Approuvé par

Parks Canada Responsible Officer / Agent Responsable Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet	Asset No. / No. du bien	Sheet No. No. de la feuille
2131-00299	####	S4.01
Drawing Reference No. / No. de référence du dessin		####



1 PLAN VIEW
SCALE: 1:40



A EXHAUST FAN DISCONNECT TYPICAL
SCALE: 1:40

EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL	QTY
OS1 TO OS7	OCCUPANCY SENSOR, PASSIVE INFRARED, LINE VOLTAGE, DUAL RELAY, CEILING MOUNTED, 120V, 800W, 0-40°C	EATON	OAC-P-1500-DMV	7
SW1	LIGHT SWITCH, 1-WAY, 120V, 15A	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	1
R10 TO R13	RECEPTACLE, DUPLEX NEMA 5-15R	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	4
R01 TO R09	RECEPTACLE, DUPLEX NEMA 5-15R, CLASS A GFCI, TAMPER RESISTANCE	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	9
R01 TO R09	WEATHER PROOF COVER FOR RECEPTACLE	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	9
RE1	RECEPTACLE, SINGLE NEMA 5-15R	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	1
PANEL C	PANELBOARD, 240/120V, 1 PHASE SPLIT, 3 WIRE, 200A BUS, 100A MBR, 42 CIRCUITS, SURFACE MOUNT	SCHNEIDER	SQUARE D NQ42L2 MH50, NC50S, NOMB20, PK27GTA, QBL22100	1
PANEL C	BREAKER, 15A, 1 POLE	SCHNEIDER	SQUARE D QOB115	16
PANEL C	BREAKER, 15A, 2 POLE	SCHNEIDER	SQUARE D QOB215	7
PANEL C	BREAKER, 20A, 2 POLE	SCHNEIDER	SQUARE D QOB220	0
DS1 TO DS5	MANUAL DISCONNECT SWITCH, LOCK OUT HASP, 600V, 30A	HUBBELL	HLHBL1379D	5
HD1 TO HD6	HAND DRYER, 240V, 1900W, 60Hz	BOBRICK	B-7128	6
ES	EXIT SIGN, 120V, C/W BATTERY BACKUP	THOMAS & BETTS	LUMACELL 10LMCE-SP-TP	1
LC1 / PC1	EXTERIOR LIGHTING CONTACTOR / PHOTOCCELL 120V, 20A, 2 P, HOA SELECTOR SWITCH	SCHNEIDER	8903-LG20-V02-C-G101	1

LUMINAIRE SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	MODEL	QTY
A	LOW PROFILE LED WRAPAROUND, 3500K, 120V, 25W, TAMPER-RESISTANT	KENALL	MLHA5-24-F-MW-PP-1-25L35K-DDC-1-120-DL	10
B	WALL PACK LED LAMP, 5000K, 120V, 26W, -40°C TO +40°C	RC LIGHTING	WPLED26 RCL	4
C	EXIT SIGN WITH EMERGENCY LED LAMPS (6V, 4W) AND BATTERY (6VDC, 44W)	THOMAS & BETTS	LUMACELL 10LMCE-2-LD1-TP	1
D	REMOTE EMERGENCY LED LAMP, 1 HEAD (6V, 4W)	THOMAS & BETTS	LUMACELL RS10LD6V4W-M	6
E	DOWN LED LAMP, 4000K, 120V, 16W, -40°C to 40°C	LITHONIA LIGHTING	OLCFM 15 DDB	2
F	SOLAR POWER LED LIGHTING ATTACHED TO TRELLIS (NOT SHOWN)	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	MIN. 5

ELECTRICAL CONDUIT SCHEDULE

ID	DESCRIPTION	TRADE SIZE	FILL	FILL	BONDING	INSULATION
E-01	INTERIOR LIGHTING	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-02	MECHANICAL CHASE RECEPTACLES	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-03	STORAGE ROOM AND EXTERIOR LIGHT AND RECEPTACLES	21	23	4x 1C #12 AWG	#14 AWG	RW90
E-04	PHOTO CELL	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-05	HAND DRYER	21	33	6x 1C #12 AWG	#14 AWG	RW90
E-06	HAND DRYER	21	23	4x 1C #12 AWG	#14 AWG	RW90
E-07	HAND DRYER	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-08	MAKE UP AIR UNIT	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-09	FORCED AIR FURNACE	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-10	EXHAUST FANS (SWITCHED POWER)	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-11	HVAC CONTROL (HEAT/FAN)	21	23	4x 1C #12 AWG	#14 AWG	RW90
E-12	HVAC CONTROL (HEAT)	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-13	HOT WATER HEATER	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-14	MAIN SUPPLY (UNDERGROUND)	53	20	3x 1C #1 AWG	#6 AWG	RW90
E-15	SECURITY (UNDERGROUND)	35	TBD NOTE 10.			
E-16	PARKING LOT LIGHTS (ABOVE & UNDERGROUND)	53	TBD NOTE 11.			
E-17	OCCUPANCY	16	16	2x 1C #16 AWG	#14 AWG	RW90
E-18	OCCUPANCY & TEMPERATURE	21	24	1x 1PR #16 AWG SH 2x 1C #16 AWG	#14 AWG	RW90
E-19	OCCUPANCY & TEMPERATURE	27	28	2x 1PR #16 AWG SH 4x 1C #16 AWG	#14 AWG	RW90
E-20	OCCUPANCY & TEMPERATURE	35	23	3x 1PR #16 AWG SH 6x 1C #16 AWG	#14 AWG	RW90
E-21	OCCUPANCY & TEMPERATURE	35	31	4x 1PR #16 AWG SH 8x 1C #16 AWG	#14 AWG	RW90
E-22	OCCUPANCY & TEMPERATURE	35	25	3x 1PR #16 AWG SH 8x 1C #16 AWG	#14 AWG	RW90
E-23	OCCUPANCY & TEMPERATURE	35	31	2x 1PR #16 AWG SH 6x 1C #16 AWG	#14 AWG	RW90
E-24	OCCUPANCY & TEMPERATURE	27	30	1x 1PR #16 AWG SH 4x 1C #16 AWG	#14 AWG	RW90
E-25	HVAC CONTROL PANEL POWER & EXHAUST FAN POWER	21	33	6x 1C #12 AWG	#14 AWG	RW90
E-E1	EMERGENCY LIGHTING 120VAC SUPPLY	16	24	2x 1C #12 AWG	#14 AWG	RW90
E-E2	EMERGENCY LIGHTING 6VDC DISTRIBUTION	16	20	2x 1C #14 AWG	#14 AWG	RW90

LEGEND

- Rx y-zz DUPLEX RECEPTACLE, NUMBER 'x', FED BY PANEL 'y' CIRCUIT 'zz'
- Rx y-zz GFCI DUPLEX RECEPTACLE
- Rx y-zz WEATHER PROOF, GFCI DUPLEX RECEPTACLE
- Rx y-zz SINGLE RECEPTACLE, RESERVED FOR EMERGENCY LIGHTING
- D5xx y-zz LOCAL DISCONNECT SWITCH NUMBER 'xx', FED BY PANEL 'y' CIRCUIT 'zz'
- THERMOSTAT
- EXIT SIGN WITH, C/W DIRECTION ARROW AS REQUIRED
- EMERGENCY LIGHTING WITH BATTERY BACKUP, SEE LUMINAIRE SCHEDULE FOR DETAILS
- EMERGENCY LIGHTING REMOTE HEAD, SEE LUMINAIRE SCHEDULE FOR DETAILS
- 'X'-WAY SWITCH, IF 'X' IS OMITTED SWITCH IS A STANDARD 2-WAY SWITCH
- OCCUPANCY SENSOR SWITCH
- LIGHT FIXTURE, TYPE A, SEE LUMINAIRE SCHEDULE FOR DETAILS
- LIGHT FIXTURE, TYPE B, SEE LUMINAIRE SCHEDULE FOR DETAILS
- CONDUIT OF TRADE SIZE xx WITH yy WIRES AND zz BONDING.
- CONDUIT FOR EMERGENCY LIGHTING

NOTES

- EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATIONS. ACTUAL LOCATION SHALL BE FIELD LOCATED.
- PATH OF CONDUITS SHOWN ARE EXAGGERATED FOR CLARITY. ALL CONDUIT SHALL BE INSTALLED WITHIN THE BUILDING WITH THE ACTUAL PATH TO BE FIELD DETERMINED AND FIELD FIT.
- CONDUIT SCHEDULE IS NOT EXHAUSTIVE.
- ALL EQUIPMENT SHALL BE BONDED AS PER CEC.
- THE WASHROOMS ARE AN OUT BUILDING TO THE VISITOR CENTRE. PANEL C SHALL BE BONDED TO PANEL B. THERE SHALL BE NO CONNECTION TO GROUND MADE WITHIN THE WASHROOM BUILDING.
- LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS (OS1-OS7) SHALL BE FIELD DETERMINED AS PER MANUFACTURER'S SPECIFICATIONS.
- WALL PACKS SHALL BE MOUNTED 2.5 m ABOVE FINISHED GRADE.
- MOUNT RECEPTACLE TO THE WALL BELOW THE SOFFIT AND NOT LOWER THAN 2.75 m ABOVE SLAB.
- DETAILS OF SECURITY SYSTEM SHALL BE PROVIDED BY OTHER.
- DETAILS OF PARKING LOT LIGHT SHALL BE PROVIDED BY OTHERS.

PANEL C SCHEDULE

240/120	VOLT	FEEDER:	3x 1C #1 AWG		PANEL:				PANEL C			
1 SPLIT	PHASE	MLO/MBR:	100 A MBR		LOCATION:				WASHROOM MECHANICAL CHASE			
3	WIRE	BUS SIZE:	200 A		MTG.:				SCHNEIDER			
DESCRIPTION	PHASE		BREAKER		CCT No.	CCT No.	BREAKER		PHASE		DESCRIPTION	
	L1	L2	TRIP	POLE			POLE	TRIP	L1	L2		
MAKE UP AIR UNIT MAU1	1000		15	1	1	2	1	15	75		LIGHTS WASHROOM 1-3	
SPARE			15	1	3	4	1	15		75	LIGHTS WASHROOM 4-6	
RECEPTACLES STORAGE ROOM / EXTERIOR	960		15	1	5	6	1	15	150		LIGHTS STORAGE ROOM / EXTERIOR	
RECEPTACLES MECHANICAL CHASE		480	15	1	7	8	1	15		75	LIGHTS MECHANICAL CHASE	
EMERGENCY LIGHTING AND EXIT SIGNS	1		15	1	9	10	1	15	350		HOT WATER HEATER	
HAND DRYER HD1	950		15	2	11	12	2	15		950	HAND DRYER HD2	
	950				13	14				950		
HAND DRYER HD3	950		15	2	15	16	2	15		950	HAND DRYER HD4	
	950				17	18				950		
HAND DRYER HD5	950		15	2	19	20	2	15		950	HAND DRYER HD6	
	950				21	22				950		
EXHAUST FAN EF1, EF2, EF3, EF8		1000	15	1	23	24	1	15		550	EXHAUST FAN EF4, EF5, EF6, EF7	
SPARE			15	1	25	26	1	15	700		FURNACE FA1	
HVAC CONTROL PANEL HCP1		50	15	1	27	28	1	15		700	FURNACE FA2	
SPACE					29	30						
SPACE					31	32					SPACE	
SPACE					33	34					SPACE	
SPACE					35	36					SPACE	
SPACE					37	38					SPACE	
SPACE					39	40					SPACE	
SPACE					41	42					SPACE	
SUBTOTALS	4811	4380							4125	4250	SUBTOTALS	

PHASE L1 SUBTOTAL	8.94 KW
PHASE L2 SUBTOTAL	8.63 KW
TOTAL	17.57 KW


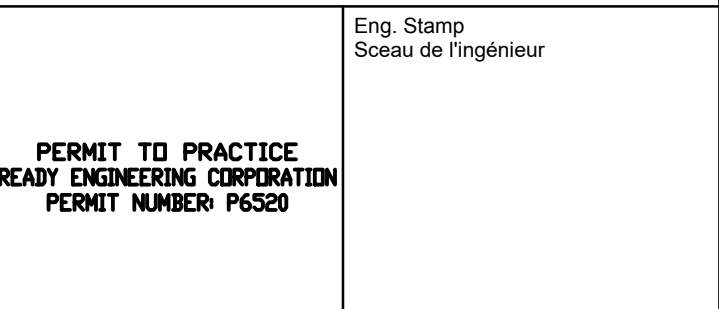
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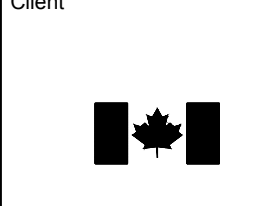
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1	2017.04.27	ISSUED FOR TENDER	BAC	BAC	STH
0	2017.04.15	ISSUED FOR TENDER	BAC	BAC	STH
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

A	detail number numéro de detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
 May 10, 2017	 PERMIT TO PRACTICE READY ENGINEERING CORPORATION PERMIT NUMBER P6520
Client	

 Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name Nom de l'expert-conseil	 McElhanny Consulting Services Ltd. READY Engineering READY ENGINEERING CORPORATION PHONE: 780-960-6663 FAX: 780-960-6664 WEBSITE: www.readyengineering.com
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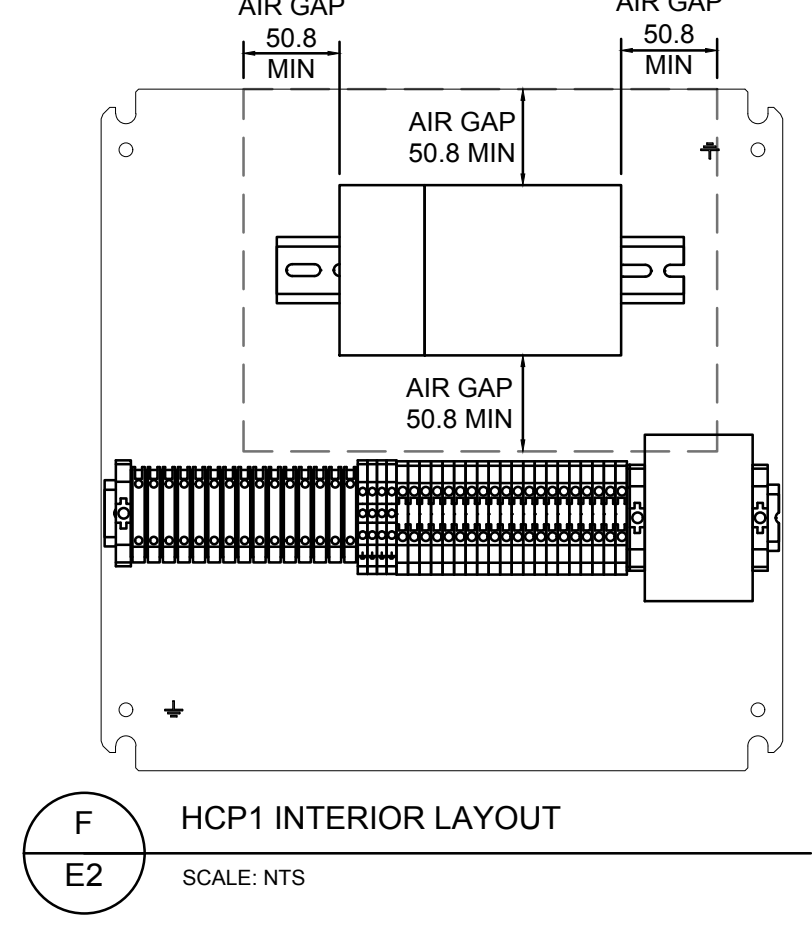
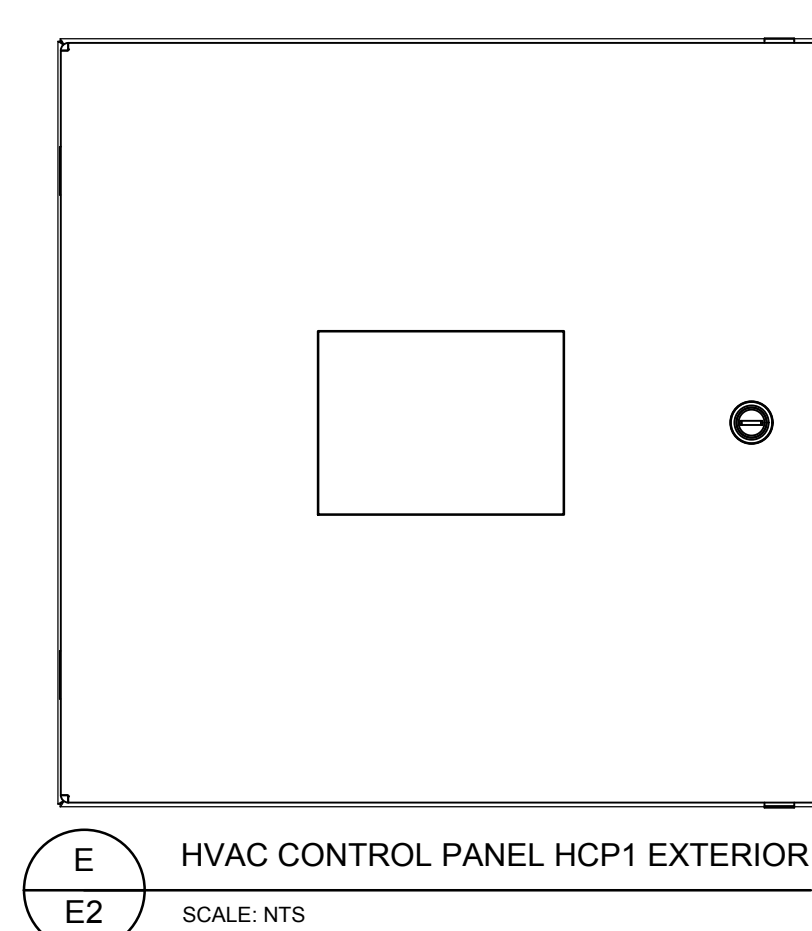
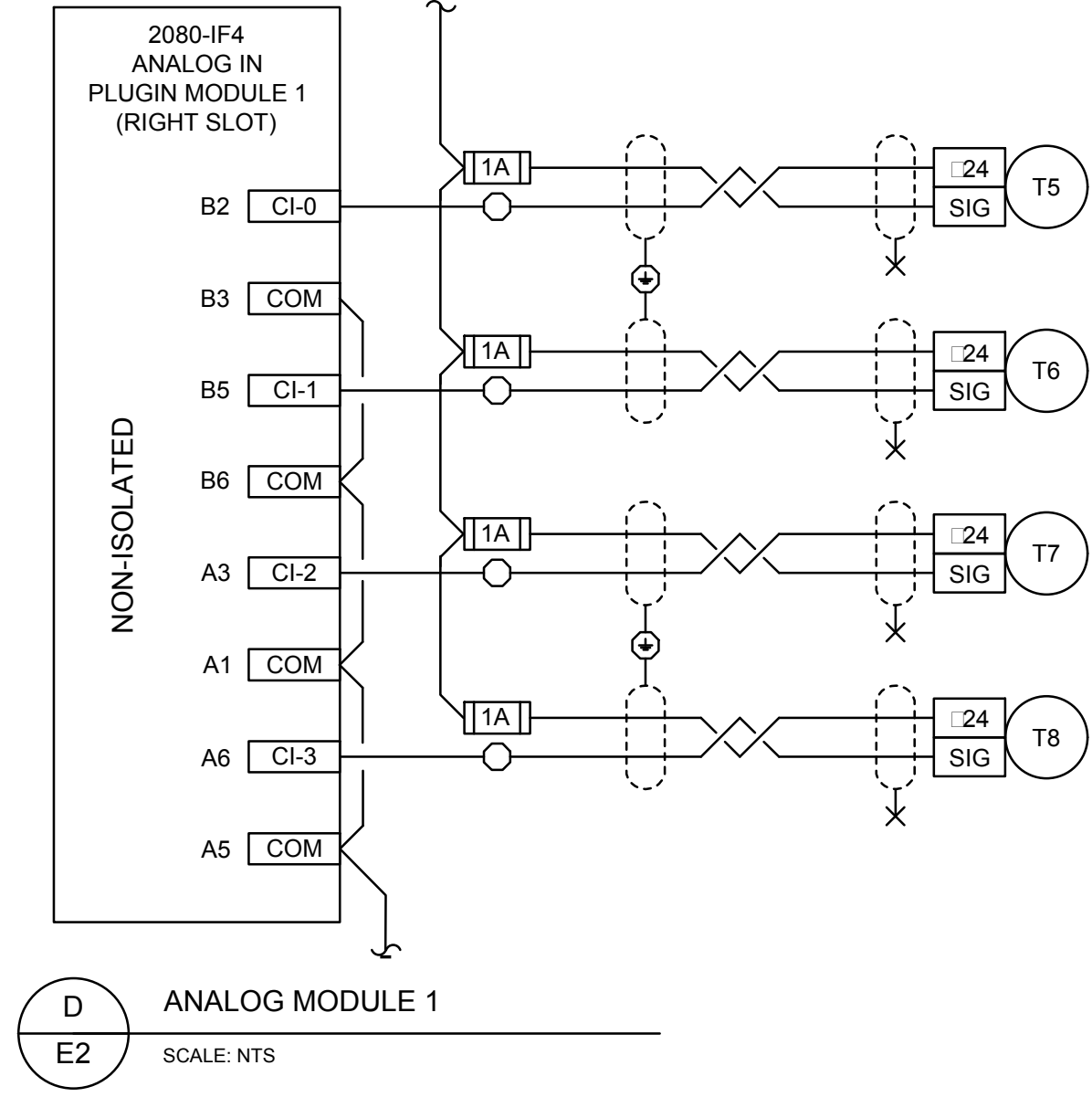
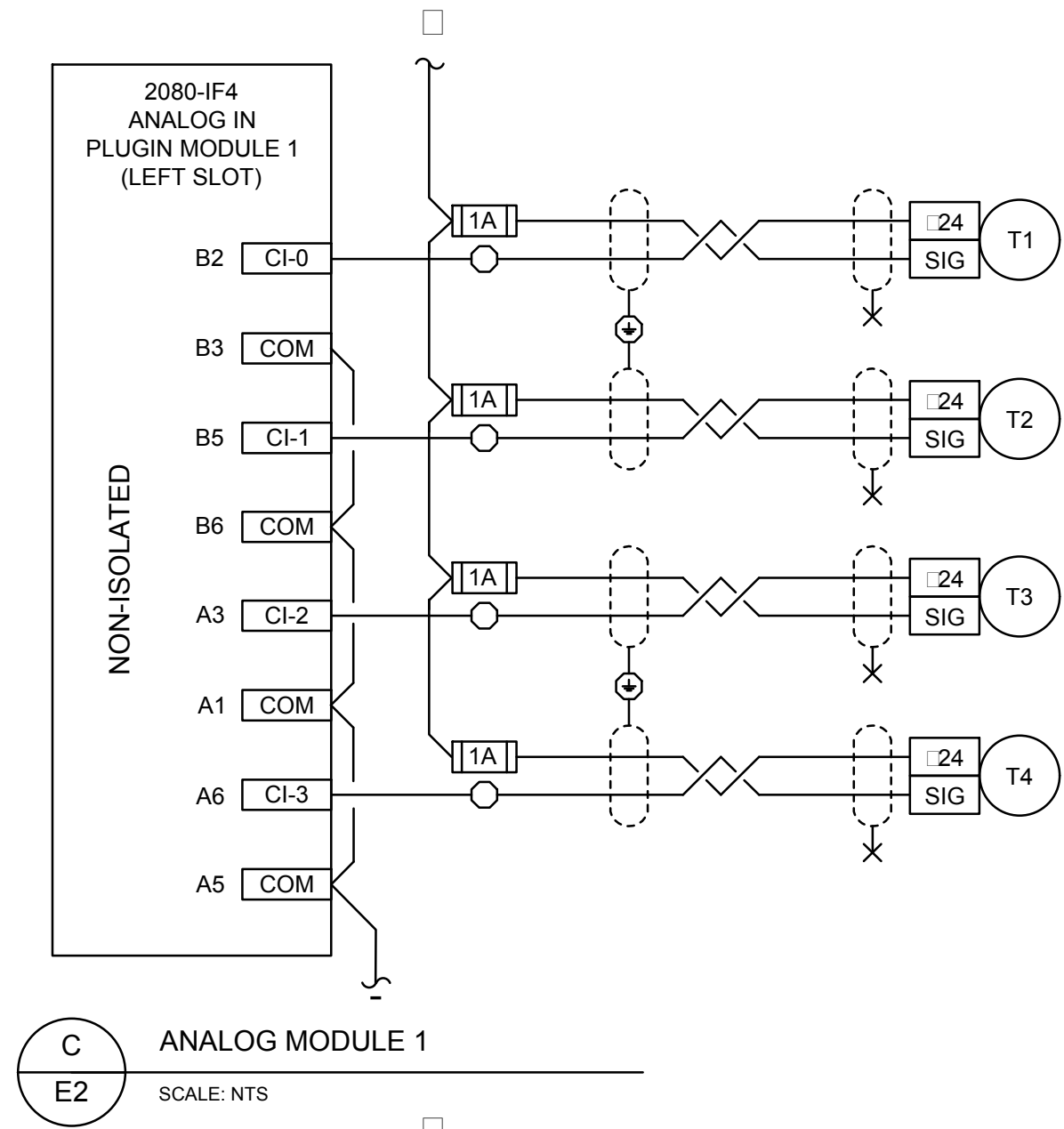
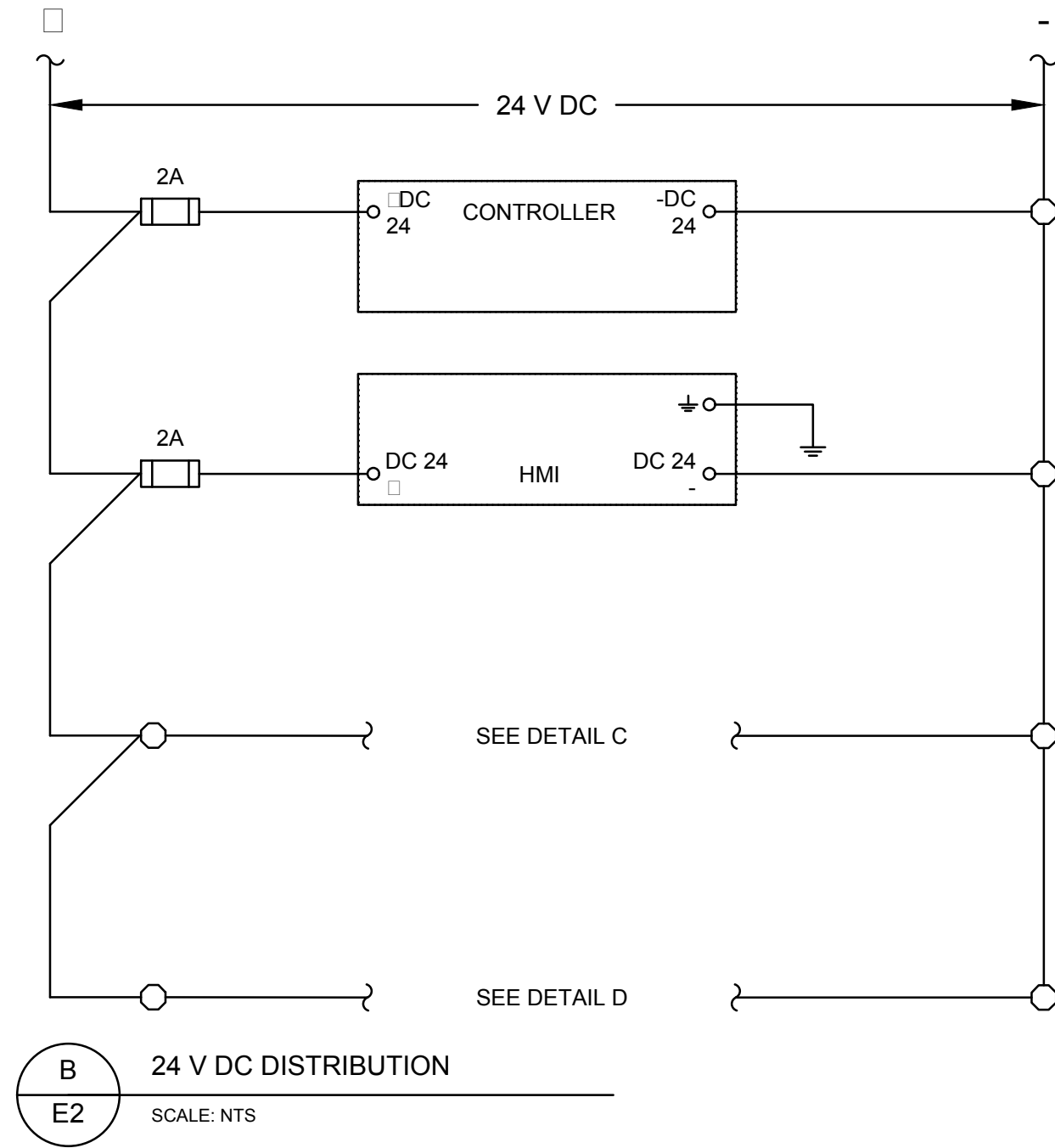
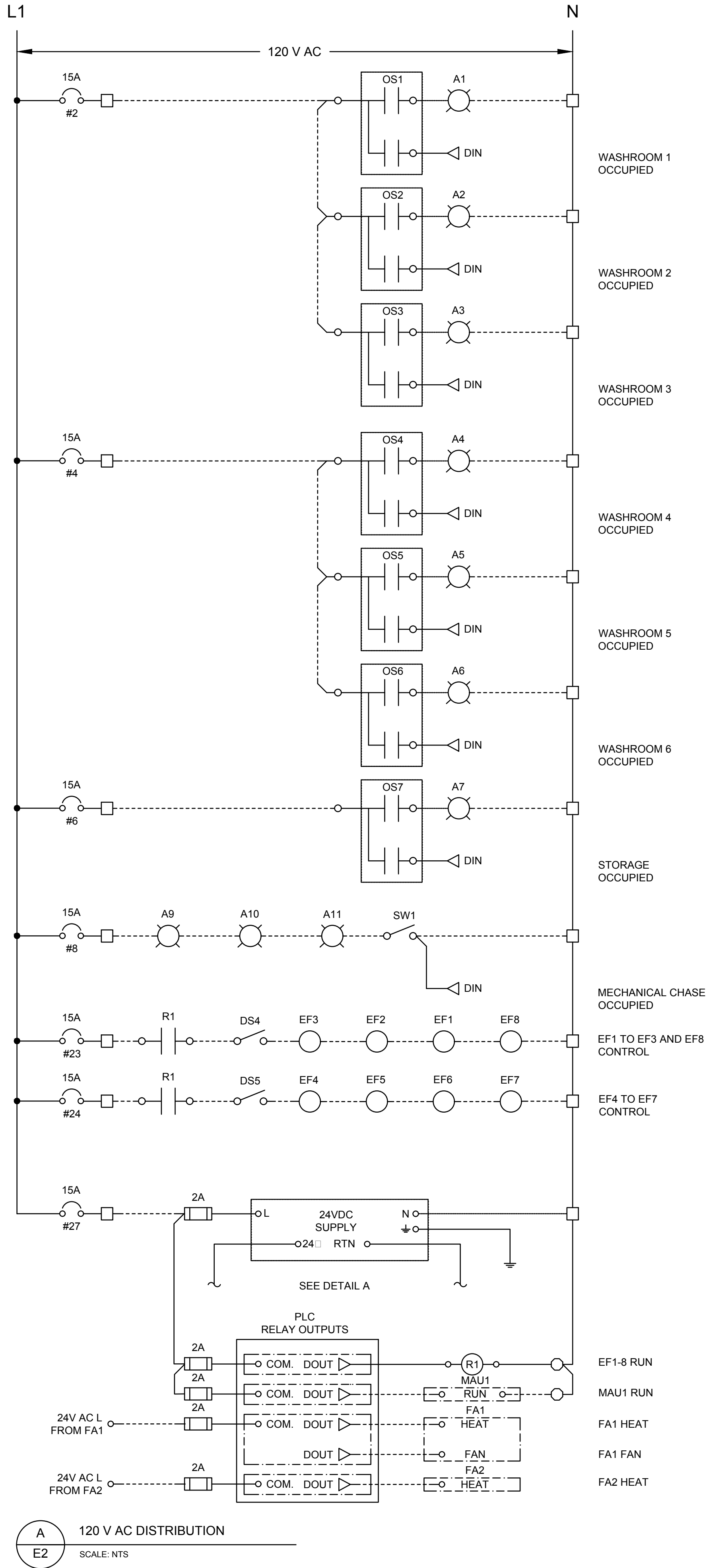
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	FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB

Drawing Title Titre du dessin	WASHROOM ELECTRICAL LAYOUT
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Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	BAC	2017.04.17
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Échelle
BAC	STH	AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada		MARK MCINTYRE	
Client Acceptance / Acceptation du client		Approved by / Approuvé par	
<div>Parks Canada Responsible Officer / Agent Responsable Parcs Canada</div>		<div>Parks Canada Project Manager / Administrateur des Projets Parcs Canada</div>	
Project No. / No. du projet	Asset No. / No. du-bien	Sheet No. / No. de la feuille	
2131-00299	####	E1	
Drawing Reference No. / No. de référence du dessin			
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LEGEND

- CONTROLLER INPUT
- CONTROLLER OUTPUT
- LIGHTING PANEL C TERMINAL
- HCP1 PASS THROUGH TERMINAL
- HCP1 PASS GROUND TERMINAL
- FUSE TERMINAL, WITH xA FUSE

NOTES

- SEE DRAWING M1 FOR LOCATIONS OF HVAC EQUIPMENT

CONTROL NARRATIVE

- NO CALL FOR HEAT AND NO ROOM OCCUPIED:
 - ALL EQUIPMENT IS IDLE
- CALL FOR HEAT FROM WASHROOM 1-6 OR STORAGE ROOM:
 - MAU1 RUN ON
 - FA1 HEAT ON
 - EF1-8 RUN ON
- CALL FOR HEAT FROM MECHANICAL CHASE:
 - FA2 HEAT ON
- NO CALL FOR HEAT AND WASHROOM 1-6, STORAGE ROOM, OR MECHANICAL CHASE OCCUPIED:
 - MAU1 RUN ON
 - FA1 FAN ON
 - EF1-8 RUN ON

NARRATIVE NOTES:

- MAU1 SHALL INTERNALLY DETERMINE IF HEAT IS REQUIRED BASED ON SET POINT AND EXTERNAL AIR TEMPERATURE
- FA1 AND FA2 SHALL INTERNALLY CONTROL THE FAN WHEN HEAT IS CALLED FOR.

SET POINTS:

MAU1: 21°C
FA1: 21°C
FA2: 21°C

EQUIPMENT SCHEDULE				
ITEM	DESCRIPTION	MANUFACTURER	MODEL	QTY
T1 TO T8	TEMPERATURE TRANSMITTER, STAINLESS STEEL PLATE/SURFACE MOUNT, 4. 20mA, 0-35°C, TAMPERPROOF SCREWS	GREYSTONE ENERGY SYSTEMS	TE500AS121A1TP	8
HCP1	HVAC CONTROLLER, MICRO820 (8 120V AC INPUTS, 7 RELAY OUTPUTS)	ALLEN-BRADLEY	2080-LC20-20AWBR	1
--	ANALOGUE (4. 20mA) INPUT MODULES	ALLEN-BRADLEY	2080-IF4	2
--	24VDC POWER SUPPLY	ALLEN-BRADLEY	2080-PS120-240VAC	1
--	LCD DISPLAY WITH KEYPAD	ALLEN-BRADLEY	2080-REMLCD	1
--	ENCLOSURE, 406 H x 406 W x 254 H, NEMA TYPE 12, QUARTER TURN LATCH	HOFFMAN	CSD161610	1
--	ENCLOSURE BACK PANEL 361 H x 361 W	HOFFMAN	CP1616	1
--	TERMINALS - PASS THROUGH	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	20
--	TERMINALS - FUSED	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	14
--	FUSES, 120V 2A	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	4
--	FUSES, 24 VDC 2 A	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	2
--	FUSES, 24 VDC 1 A	CONTRACTOR TO SPECIFY	CONTRACTOR TO SPECIFY	8
--	RELAY, DPDT, 120VAC COIL, 10A @ 300VAC CONTACTS	ALLEN-BRADLEY	700-N400A1	1

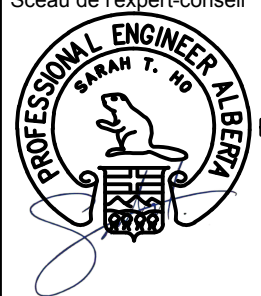
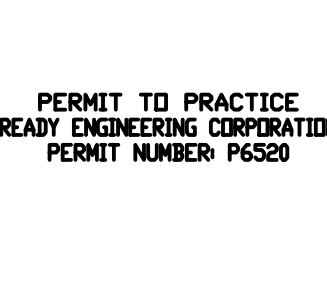
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#	#	#	#	#
3				
2				
1	2017.05.10	ISSUED FOR TENDER	BAC	BAC STH
0	2017.04.27	ISSUED FOR TENDER	BAC	BAC STH
Rev.	Date	Description	Drawn Dessiné	Designed Conçu Approved Approuvé

A	detail number numéro de detail	A
B	source drawing no. de dessin no.	B
C	detail on drawing no. detail sur dessin no.	C

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
 May 10, 2017	 PERMIT TO PRACTICE READY ENGINEERING CORPORATION PERMIT NUMBER P6560

Client	 Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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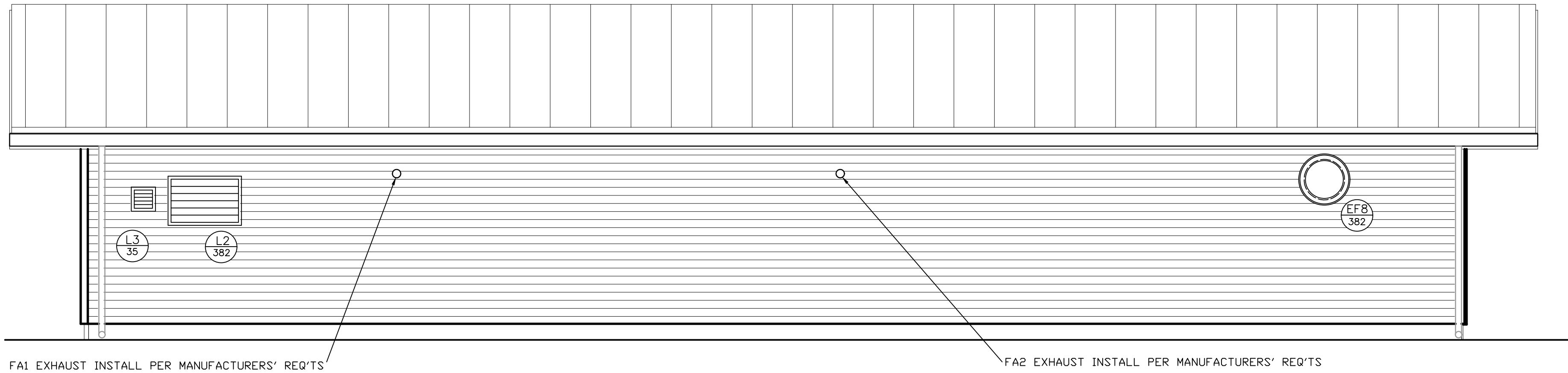
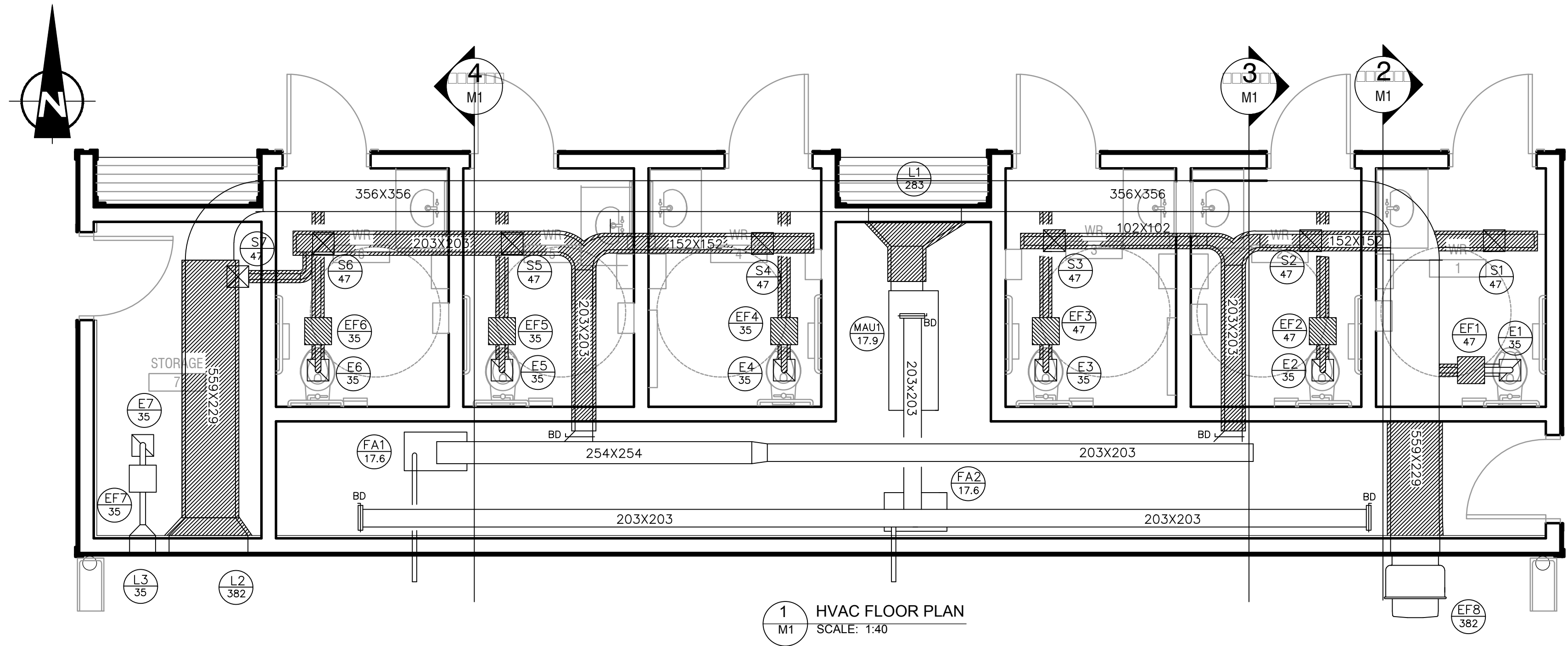
Consultant's Name Nom de l'expert-conseil	 McElhannoy McElhannoy Consulting Services Ltd.	 READY Engineering READY ENGINEERING CORPORATION PHONE: 780-960-6663 FAX: 780-960-6664 WEBSITE: www.readyengineering.com
--	---	--

Project Title Titre du projet	ELK ISLAND VISITORS CENTRE REHABILITATION
Drawing Title Titre du dessin	FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	BAC	2017.04.27
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Échelle
BAC	STH	AS NOTED

Parks Canada Project Manager / Administrateur de Projets Parcs Canada MARK MCINTYRE		
Client Acceptance / Acceptation du client	Approved by / Approuvé par	
Parks Canada Responsible Officer / Agent Responsable Parcs Canada	Parks Canada Project Manager / Administrateur de Projets Parcs Canada	
Project No. / No. du projet	Asset No. / No. du-bien	Sheet No. / No. de la feuille
2131-00299	####	E2
Drawing Reference No. / No. de référence du dessin		
####		

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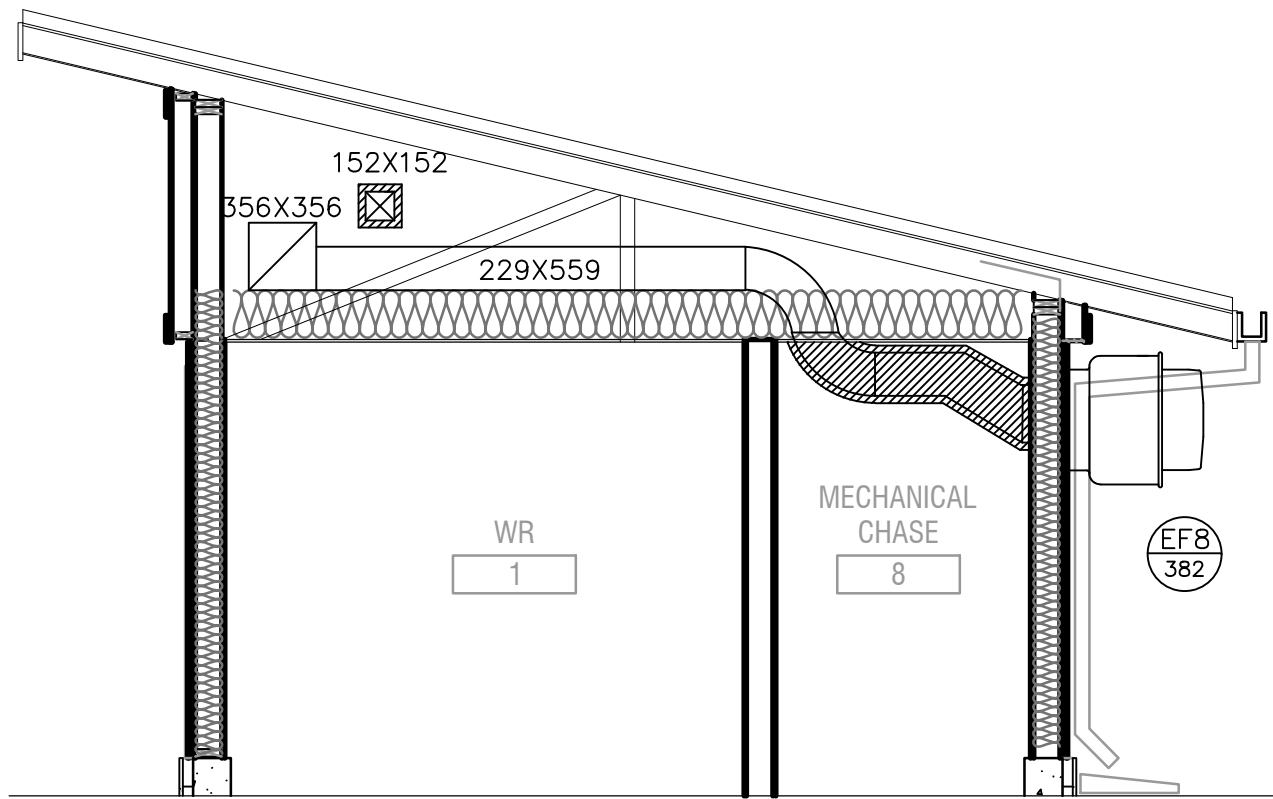
NOTES:

1. INTERLOCK FANS MAU1, FA1, AND EF1 TO EF8
2. APPLY MICLITE EQFSK 38MM INSULATION TO DUCTS WHERE SHADED

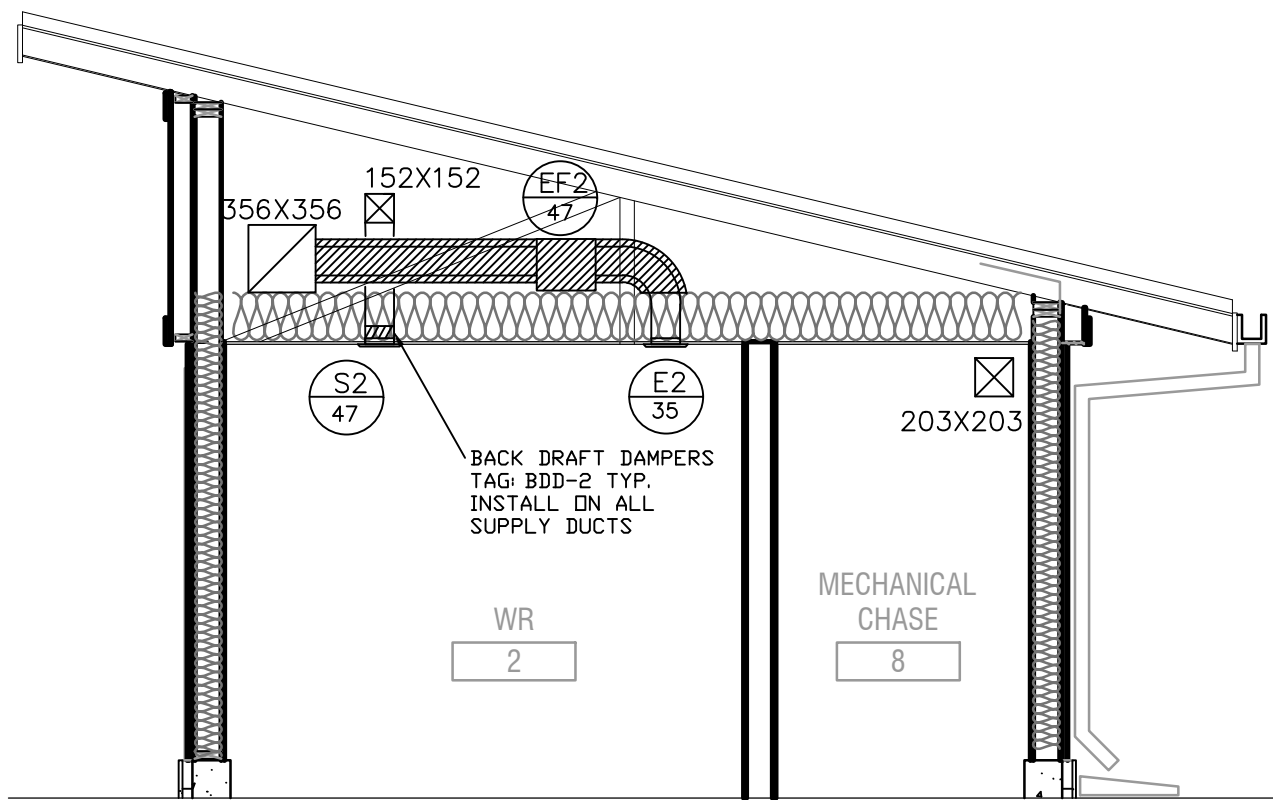
FAN SCHEDULE							
UNIT No.	MAKE	MODEL	AMPS	VOLTAGE	E/A (LPS)	EXTERNAL STATIC (Pa)	SERVING
EF1 TO EF7	BROAN	L100L	1.1	120/1/60	47	49	WASHROOMS/STORAGE
EF8	GREENHECK	CW099A	5	230/1/60	382	90	WASHROOMS

MAKE UP AIR UNIT SCHEDULE							
UNIT No.	MAKE	MODEL	AMPS	VOLTAGE	GAS TYPE	HEAT OUTPUT (kW)	SERVING
MAU1	VENTILATION DIRECT	V76	7.6	115	NAT.	17.9	CHASE C/W MOTORIZED INTAKE DAMPER

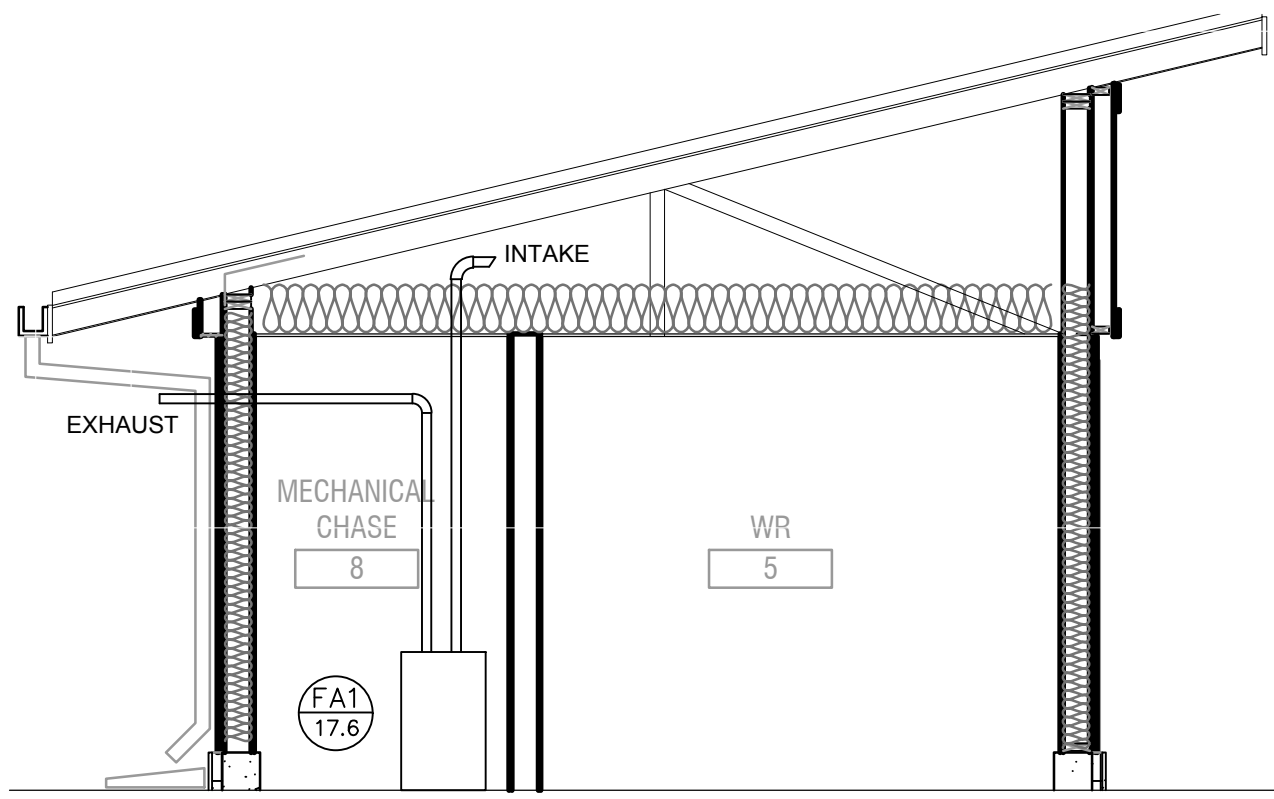
FORCED AIR FURNACE							
UNIT No.	MAKE	MODEL	AMPS	VOLTAGE	GAS TYPE	HEAT OUTPUT (kW)	SERVING
FA1	TRANE	S9V2B060V3PSBA ^o	5.7	12	NAT.	10.8	WASHROOMS/ STORAGE
FA2	TRANE	S9V2B060V3PSBA ^o	5.7	12	NAT.	10.8	CHASE



2 EXHAUST SHAFT DETAIL
M1 SCALE: 1:40



3 TYPICAL DUCTING ARRANGEMENT
M1 SCALE: 1:40



4 TYPICAL FURNACE AIR INTAKE/ EXHAUST
M1 SCALE: 1:40

DIFFUSER/GRILLE SCHEDULE				
TAG	MANUFACTURER	MODEL	SIZE (mm)	DESCRIPTION
E1 TO E7	PRICE	LCMD	152X152	EXHAUST GRILLS C/W FACE ADJUSTABLE DAMPER
L1	NAILOR	1706D	1070X460	MAU INTAKE LOUVER C/W BIRD SCREEN
L2	NAILOR	1706D	910X610	SHAFT INTAKE LOUVER C/W BIRD SCREEN
L3	NAILOR	1706D	300X300	STORAGE DISCHARGE LOUVER C/W BIRD SCREEN
S1 TO S7	PRICE	LCMD	152X152	SUPPLY DIFFUSERS C/W FACE ADJUSTABLE DAMPER
BDD1 TO BDD7	GREENHECK	WD-100	152X152	WASHROOM SUPPLY BACK DRAFT DAMPER
BD1 TO BD5	PRICE	VCS3	152X152	BALANCING DAMPERS

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Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
3	2017.05.09	ISSUED FOR TENDER	MS	RB	SC
2	2017.04.27	ISSUED FOR TENDER	MS	RB	SC
A	2017.03.31	ISSUED FOR 90% REVIEW	MS	RB	SC

<div>A detail number numéro de detail source drawing no. de dessin no. C detail on drawing no. detail sur dessin no.</div>	<div>A detail number numéro de detail source drawing no. de dessin no. C detail on drawing no. detail sur dessin no.</div>
Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur

Client	<div><div></div><div>Parks Canada Agency Western and Northern Region</div></div>	<div><div></div><div>L'Agence Parcs Canada Ouest et Nord Région</div></div>
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Consultant's Name Nom de l'expert-conseil	<div><div></div><div>McElhanney Consulting Services Ltd.</div></div>	<div><div></div><div>EPIX Engineering</div></div>
Project Title Titre du projet	207-215 MCLEOD AVE SPRUCE GROVE, AB T7X 0G2 PH 780.249.6705	

ELK ISLAND VISITORS CENTRE REHABILITATION
FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB

WASHROOMS HVAC LAYOUT

Surveyed by / Arpenté par	Drawn by / Dessiné par	Date
	M.SHALABY	2017.05.09
Designed by / Conçu par	Reviewed by / Révisé par	Scale / Echelle
R.BACHYNSKI	S.CORKE	AS SHOWN

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

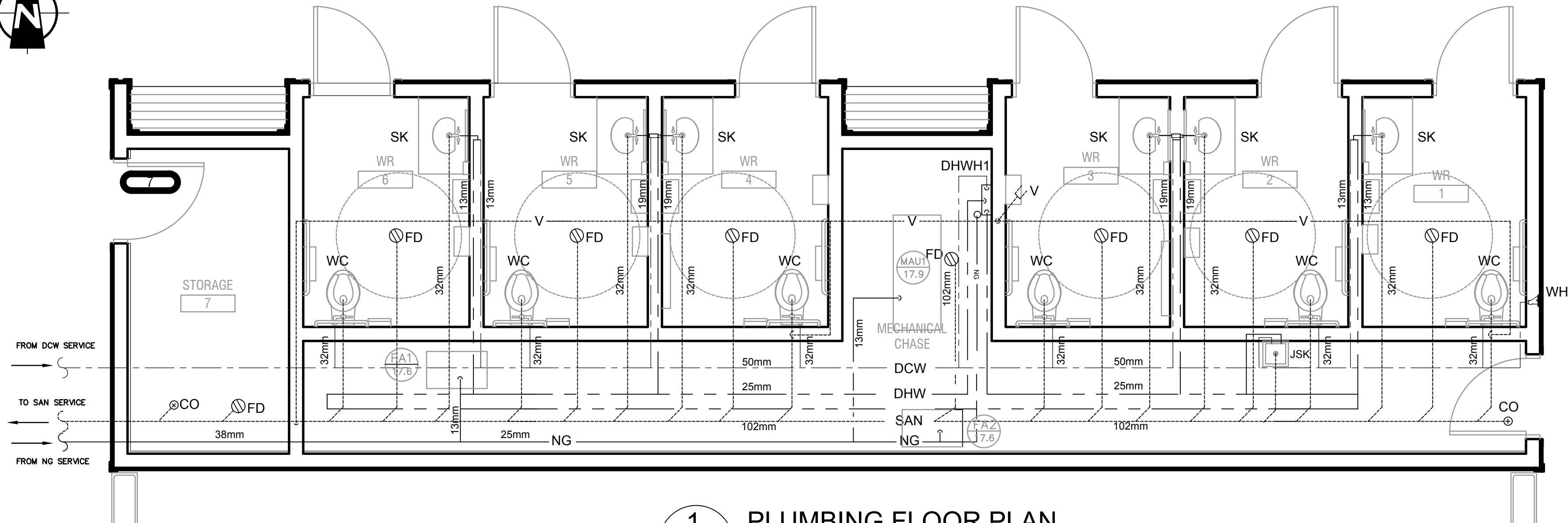
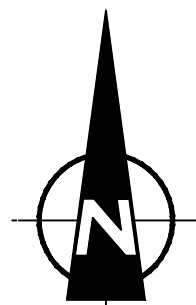
Client Acceptance / Acceptation du client

Approved by / Approuvé par

MARK MCINTYRE

Project No. / No. du projet	Asset No. / No. du bien	Sheet No. / No. de la feuille
2131-00299		M1
Drawing Reference No. / No. de référence du dessin		

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1 PLUMBING FLOOR PLAN
M2 SCALE: 1:40

FIXTURE SCHEDULE				
TAG	MANUFACTURER	MODEL	DESCRIPTION	QTY
SK	KOHLER	K-1997-4	WALL MOUNTED BATHROOM SINK/ ORDER IN WHITE WITH SHROUD MODEL# K-1998	6
WC	KOHLER	K-4323	WATER CLOSET BOWL/ ORDER IN WHITE	6
JSK	STERN-WILLIAMS	SB-900	JANITOR'S SINK 610X610X305 ORDER FITTINGS T-10-VB, T-35 & T-40	1
WH	WATTS	HY-725-8	NON-FREEZE KEY OPERATED WALL HYDRANT	1
CO	WATTS	CO-204P-S-3-6	CLEANOUTS	2
FD	WATTS	FD-104P-C-A5-1-6	FLOOR DRAIN	8

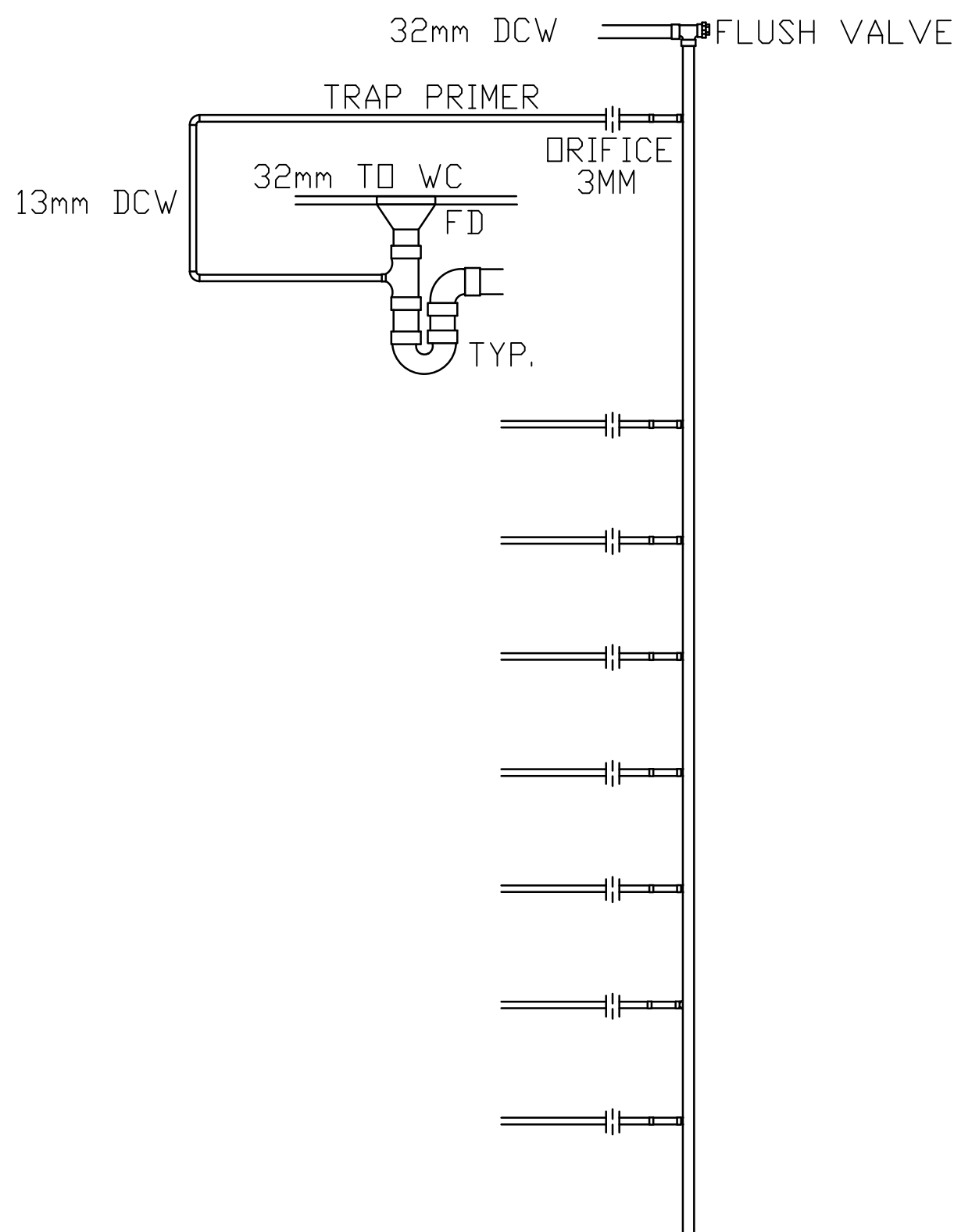
NOTES:

1. UPGRADED NATURAL GAS METER TO BE SPECIFIED AS PART OF EXISTING BUILDING UPGRADE SCOPE
2. ALL DOMESTIC WATER PIPING TO BE PEX-A

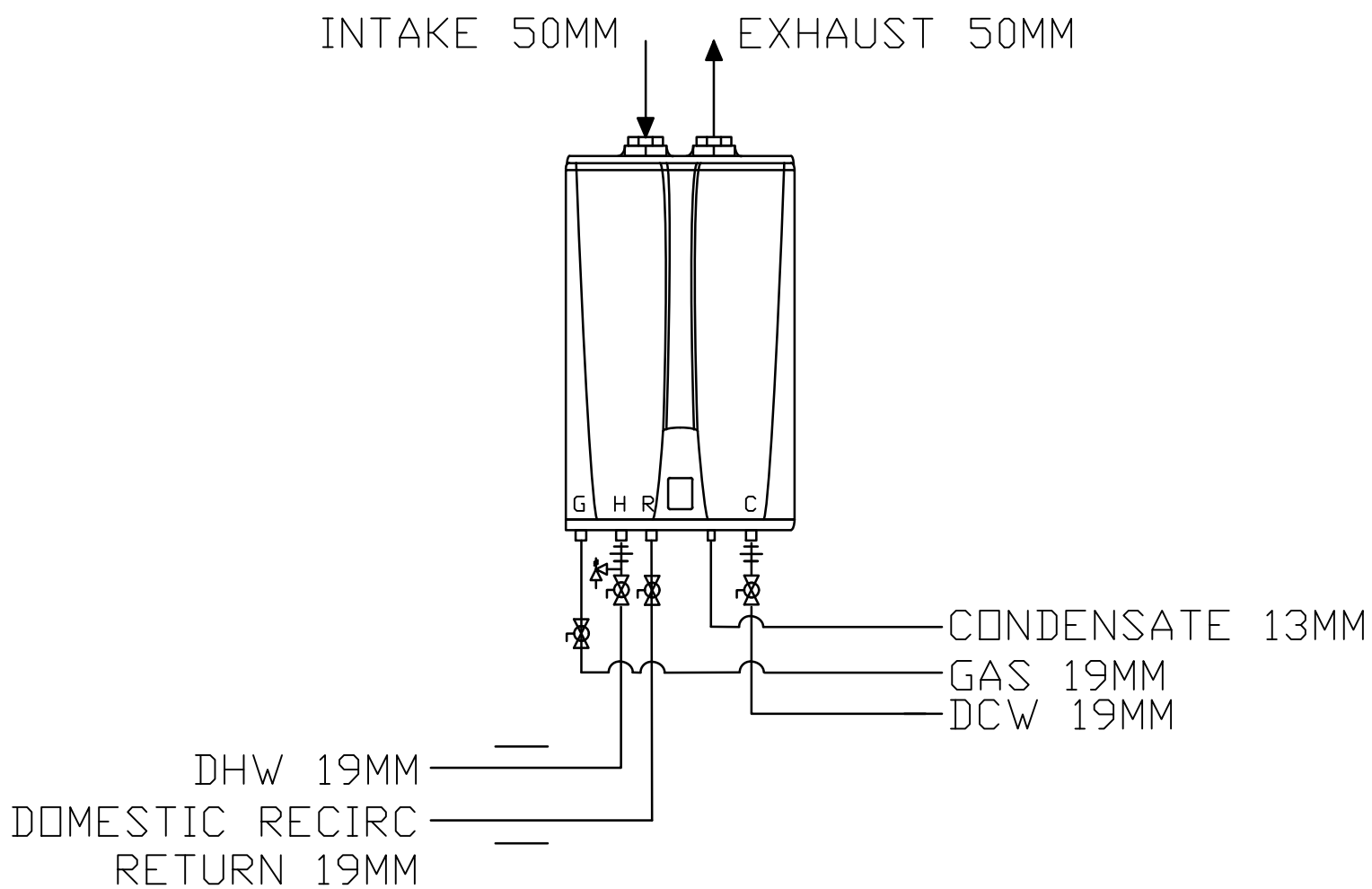
PLUMBING FIXTURE PIPE SIZE CHART					
FIXTURE	DCW	DHW	DRAIN	VENT	NG
SK - Sink	13mm	13mm	32mm	32mm	---
WC - Barrier Free Toilet	32mm	---	102mm	50mm	---
FD - Floor Drain	13mm	---	76mm	---	---
CO - Clean Out	---	---	76mm	---	---
JSK - Janitor's sink	13mm	13mm	32mm	32mm	---
FA-1 FA-2	---	---	---	---	13mm
MAU1	---	---	---	---	13mm
DHWH1	---	---	---	---	19mm

MISCELLANEOUS SCHEDULE				
MANUFACTURER	MODEL	DESCRIPTION	QTY	
LAWLER	TMM-1070	UNDER THE COUNTER MIXING VALVE	6	
CENTOCO	1500STSCSS	PLASTIC ELONGATED TOILET SEAT	6	
SLOAN	952-1.28	CONCEALED WATER CLOSET FLUSHOMETER WITH ACTUATOR MODEL# HY33A	6	
WATTS	CA-411-WC	FLOOR MOUNTED CONCEALED ARM LAVATORY CARRIER	6	
DELTA	87T111	LAVATORY METERING FAUCET	6	

DOMESTIC HOT WATER HEATER					
MARK	NG INPUT (MJ/Hr)	WATER PIPE	ELECTRICAL DATA		STANDARD OF ACCEPTANCE
			VOLT	WATTS	
DHWH1	21-211	19mm	120/1/60	350	NAVIEN TANKLESS NPE-240A WITH PUMP



3 TRAP SEAL PRIMER DETAIL
M2 SCALE: NTS



2 DOMESTIC WATER HEATER PIPING
M2 SCALE: NTS

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Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé
3	2017.05.09	ISSUED FOR TENDER	MS	RB	SC
2	2017.04.27	ISSUED FOR TENDER	MS	RB	SC
A	2017.03.31	ISSUED FOR 90 REVIEW	MS	RB	SC

A

C

A detail number
numéro de detail
source drawing no.
de dessin no.
C detail on drawing no.
detail sur dessin no.

A

B

C

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

Client

Parks Canada Agency
Western and Northern
Region

L'Agence Parcs
Canada
Ouest et Nord Région

Consultant's Name
Nom de l'expert-conseil

EPIX
Engineering

207-215 MCLEOD AVE
SPRUCE GROVE, AB T7X 0G2
PH 780.249.6705

Project Title
Titre du projet

ELK ISLAND VISITORS CENTRE
REHABILITATION

FORT SASKATCHEWAN
ELK ISLAND NATIONAL PARK, AB

Drawing Title
Titre du dessin

WASHROOMS PLUMBING

Surveyed by / Arpenté par

Designed by / Conçu par

Parks Canada Project Manager / Administrateur de Projets Parcs Canada

Drawn by / Dessiné par

Reviewed by / Révisé par

S.CORKE

Date

Scale / Echelle

AS SHOWN

Client Acceptance / Acceptation du client

Approved by / Approuvé par

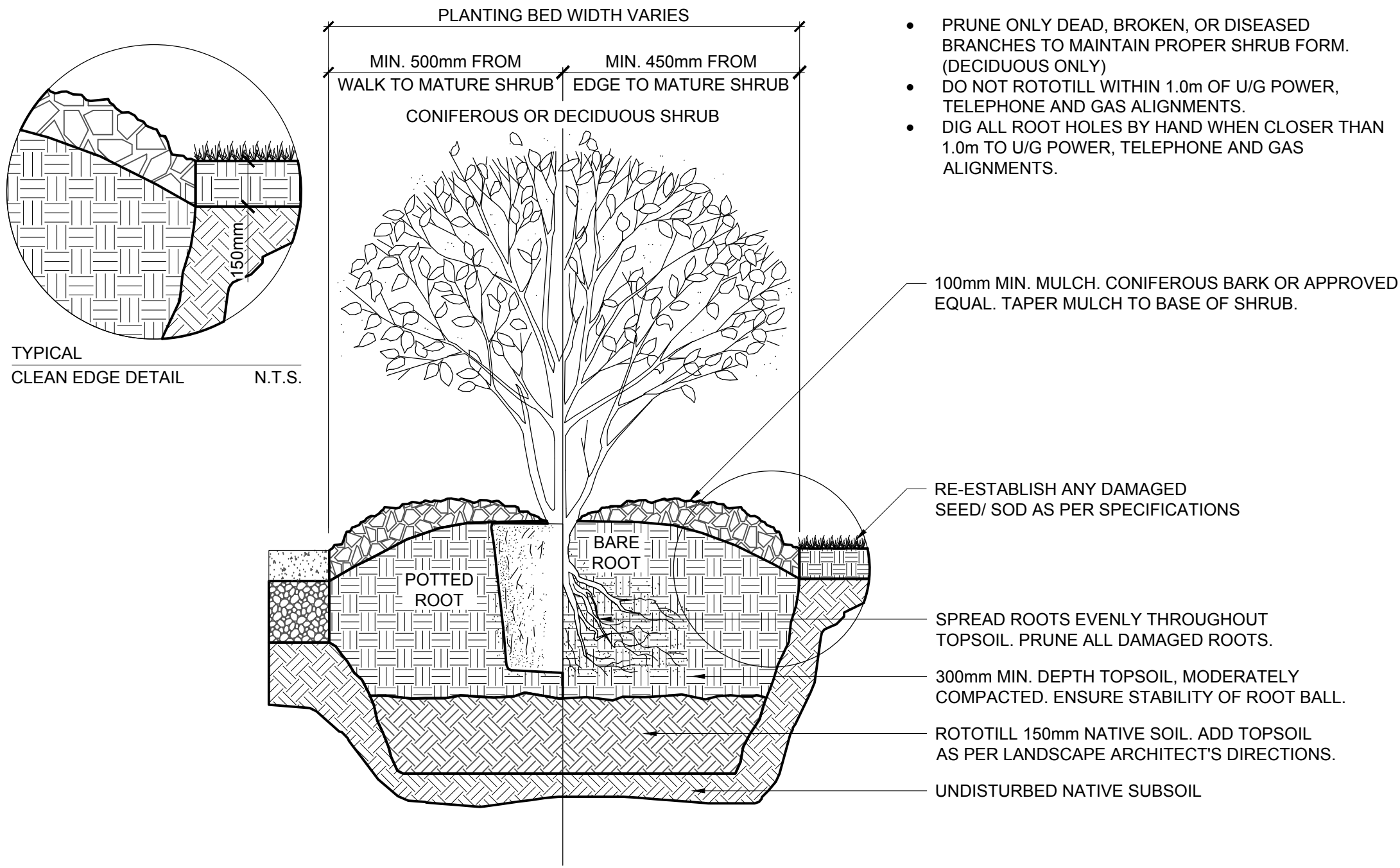
Project No. / No. du projet

Asset No. / No. du bien

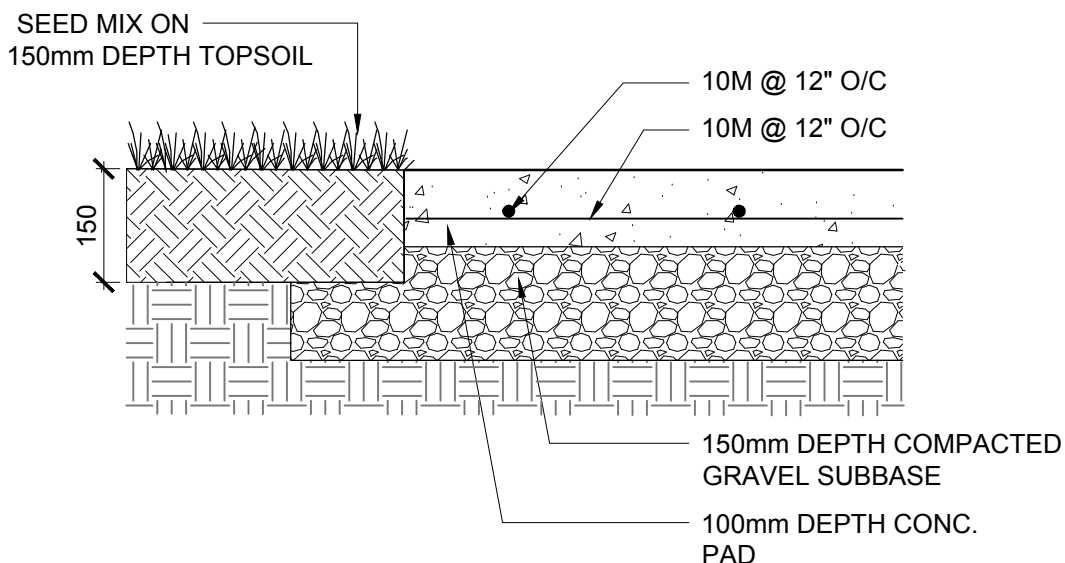
Sheet No. / No. de la feuille

2131-00299

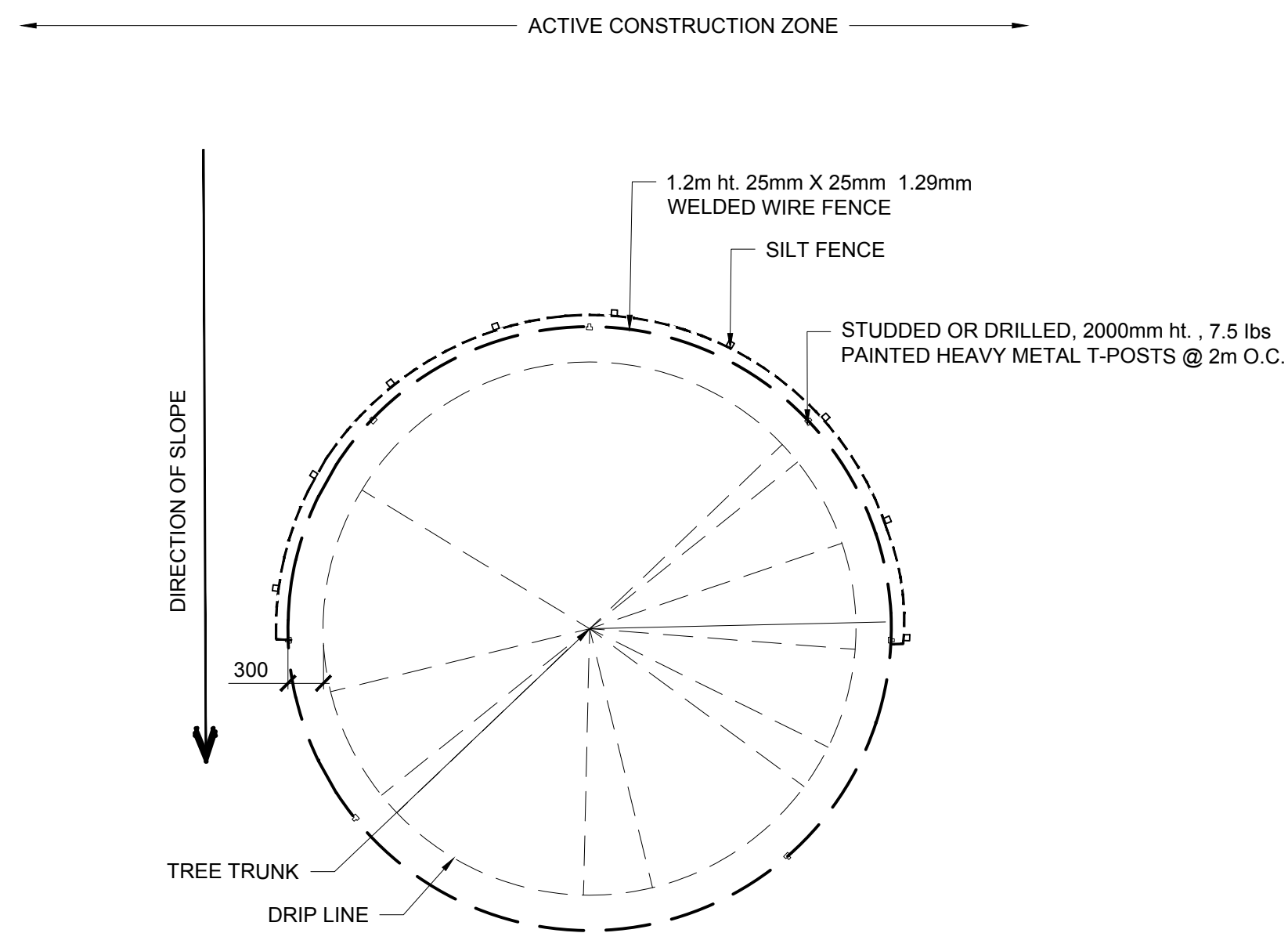
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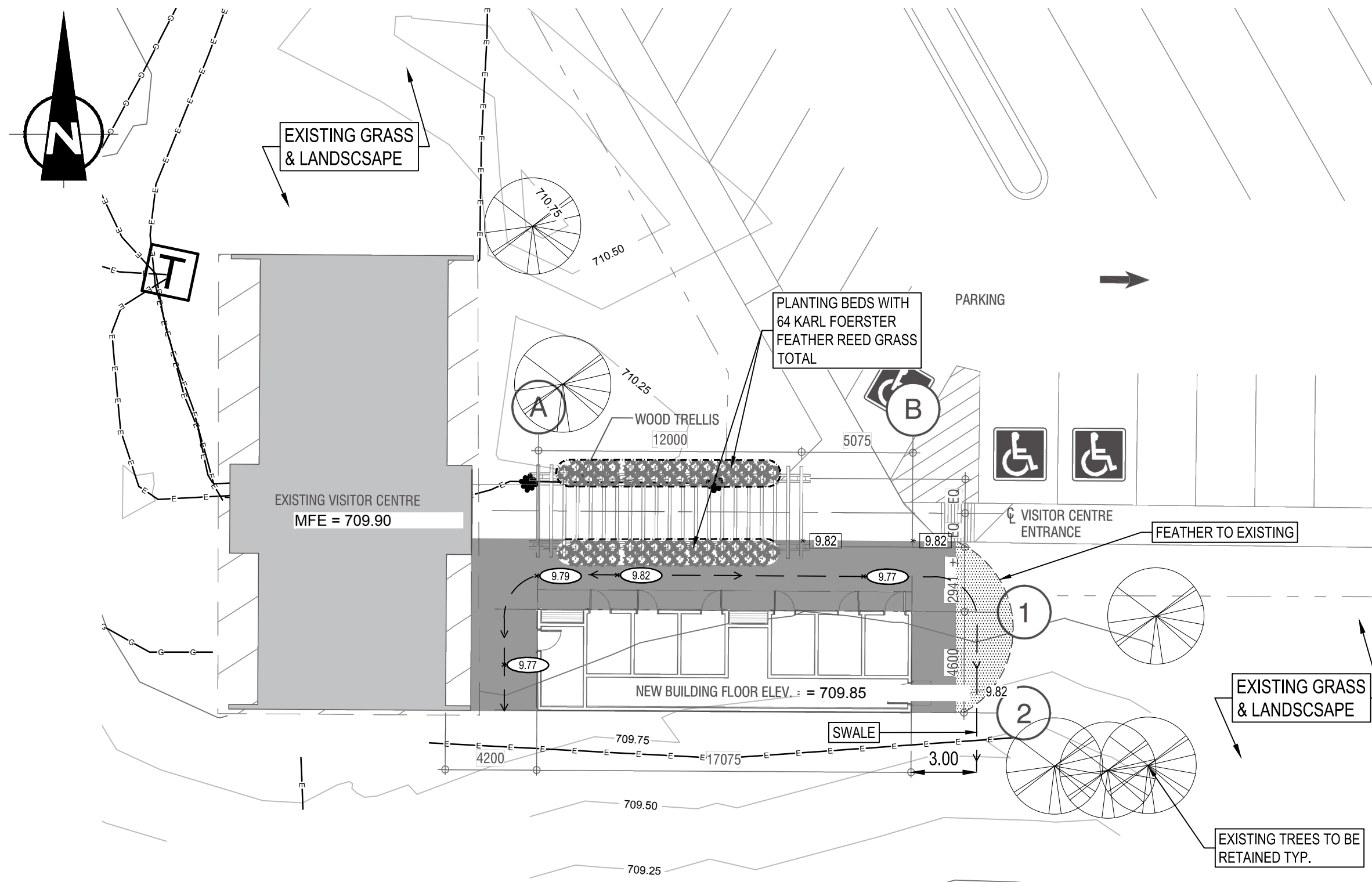
1 CONIFEROUS/DECIDUOUS SHRUB/PERENNIAL PLANTING
L1.00 SCALE: N.T.S.



2 CONCRETE PAD
L1.00 SCALE: N.T.S.



3 TREE PROTECTION CW SILT FENCE
L1.00 SCALE: 1:50



4 PARTIAL SITE PLAN
L1.00 SCALE: 1:200

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0	2017.05.12	ISSUED FOR TENDER	CK	PS	RB
Rev.	Date	Description	Drawn Dessiné	Designed Conçu	Approved Approuvé

A	detail number	A
B	numéro de detail	B
C	source drawing no. de dessin no.	C
	detail on drawing no. detail sur dessin no.	

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client	
 Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région

Consultant's Name Nom de l'expert-conseil
 McElhanney McElhanney Consulting Services Ltd.

Project Title Titre du projet
VISITORS CENTRE REHABILITATION
FORT SASKATCHEWAN ELK ISLAND NATIONAL PARK, AB

Drawing Title Titre du dessin
SITE GRADING & LANDSCAPE PLAN

Surveyed by / Arpenté par #	Drawn by / Dessiné par ###	Date 2017.05.11
Designed by / Conçu par #	Reviewed by / Revisé par ####	Scale / Échelle AS SHOWN

Parks Canada Project Manager / Administrateur de Projets Parcs Canada MARK MCINTYRE		
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Parks Canada Responsible Officer / Agent Responsable Parcs Canada		Parks Canada Project Manager / Administrateur de Projets Parcs Canada
Project No. / No. du projet 2131-00299	Asset No. / No. du bien ####	Sheet No. No. de la feuille L1.00
Drawing Reference No. / No. de référence du dessin ###		