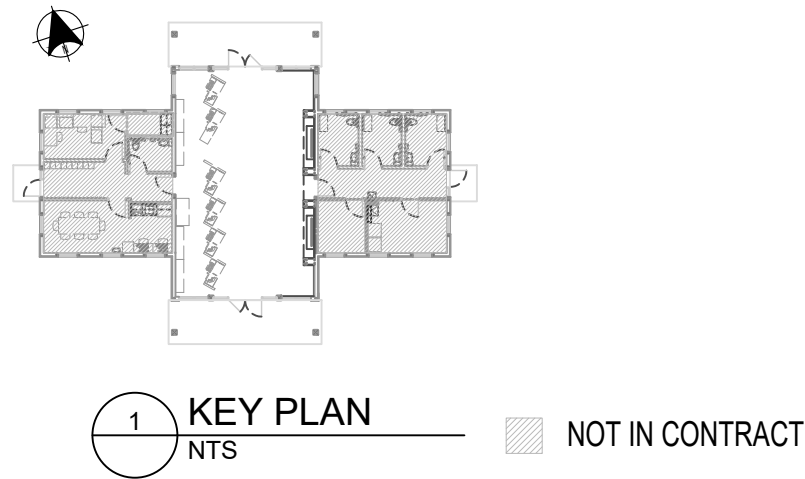




IMAGE FOR REFERENCE ONLY. REFER TO DRAWINGS FOR INSTALLATION.

- DRAWING LIST**
- A0.0 - COVER
  - A0.1 - SCOPE OF WORK
  - A1.0 - FLOOR PLAN
  - A1.1 - REFLECTED CEILING PLAN
  - A1.2 - SECTION
  - A1.3 - SECTION
  - A1.4 - DETAIL
  - A1.5 - DETAIL
  - A1.6 - DETAIL
  - A1.7 - DETAIL
  - A1.8 - REFERENCE IMAGE
  - A2.0 - ACOUSTIC PANEL ELEVATION
  - A2.1 - ACOUSTIC PANEL ELEVATION



- GENERAL NOTES**
1. ALL DIMENSIONS AND LOCATIONS TO BE CONFIRMED ON SITE AND ANY DISCREPANCIES TO INFORM PROJECT REPRESENTATIVE
  2. CONTRACTOR IS TO CAREFULLY REMOVE SELECT AREAS OF EXISTING T AND G CEILING, PLYWOOD, TO EXPOSE U/S OF TRUSS AT EACH BRACKET LOCATION. BRACKETS ARE TO MOUNTED O/C OF EACH TRUSS AS REQUIRED TO SUSPEND ACOUSTIC ARMSTRONG PANELS. CONTRACTOR AND THEIR STRUCTURAL ENGINEER ARE REQUIRED TO CONFIRM TRUSSES ARE ABLE TO HANDLE THE ADDITIONAL LOAD FROM THE NEW ACOUSTICAL PANELS AND BRACKETS. ALL AREAS OF EXPOSED CEILING ARE TO BE COVERED WITH EXISTING CEILING AND RETURNED TO ORIGINAL CONDITION.
  3. CONTRACTOR IS REQUIRED TO PROVIDE A MOCK UP OF BOTH BRACKET AND INSTALLATION METHOD IN ADVANCE OF ANY INSTALLATION AND TO ENGINEER BRACKET AND INSTALLATION TO THE SATISFACTION OF PARKS CANADA PRIOR TO INSTALLATION AND MOCK UP.
  4. ALL DEMOLITION OR ALTERATION OF FINISHED CONSTRUCTION MUST BE RETURNED TO ORIGINAL CONDITION

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revisions	description	date
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<div>A C</div>	A detail no. no. du detail B location drawing no. sur dessin no. C drawing no. dessin no.	<div>A B C</div>
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project	projet
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WHISTLERS  
CAMPGROUND  
ACOUSTIC INSTALLATION

JASPER, AB

drawing	dessin
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COVER PAGE

Designed By	—
Date	(2021/07/23)
Drawn By	JK
Date	(2021/07/23)
Reviewed By	Examiné par
Date	(yyyy/mm/dd)
Approved By	Approuvé par
Date	(yyyy/mm/dd)

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Project no.	No. du projet
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Drawing no.	No. du dessin
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A0.0

2021-12-24 10:44am By: Jaimen Kelly  
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SCOPE OF WORK

- a) THE CONTRACTOR WILL HIRE A STRUCTURAL ENGINEER LICENSED IN THE PROVINCE OF ALBERTA THAT WILL BE RESPONSIBLE FOR THE DESIGN OF THE SUPPORT SYSTEMS FOR THE ACOUSTIC PANELS. SHOP DRAWINGS OF THE SUPPORT SYSTEMS PREPARED AND STAMPED BY THE STRUCTURAL ENGINEER SHALL BE SUBMITTED TO THE PARKS CANADA REPRESENTATIVE FOR THEIR REVIEW.
- b) THE CONTRACTOR AND HIS STRUCTURAL ENGINEER WILL DO SITE INVESTIGATIONS TO CONFIRM EXISTING CONDITIONS, LOCATE ROOF TRUSSES.
- c) THE STRUCTURAL ENGINEER WILL DETERMINE THE LOAD-BEARING CAPACITY OF ROOF TRUSSES, DETERMINE IF THE ROOF TRUSSES WILL BE ABLE TO CARRY THE ADDITIONAL LOAD FROM THE ACOUSTICAL PANELS AND SUPPORT SYSTEMS, DESIGN THE SUPPORT SYSTEMS/BRACKETS, DESIGN THE MEANS OF ATTACHING THE BRACKETS TO THE ROOF STRUCTURE, AND RECOMMEND MODIFICATION TO THE ROOF STRUCTURE IF REQUIRED.
- d) DESIGN REQUIREMENTS: MAX ALLOWABLE DEFLECTION OF THE HORIZONTAL PORTION OF THE BRACKET =  $L/360$ ; SCREWS/ BOLTS INTO THE ROOF TRUSSES TO BE SIZED AND INSTALLED SO AS NOT TO DAMAGE OR REDUCE THE STRENGTH OF THE BOTTOM CHORD OF THE ROOF TRUSSES AND THE LOAD-BEARING CAPACITY OF THE TRUSSES.
- e) THE CONTRACTOR WILL SUPPLY AND INSTALL THE ACOUSTIC PANELS AND ALL HARDWARE REQUIRED TO INSTALL THEM.
- f) CONTRACTOR IS TO PROVIDE 8 ACOUSTICAL WALL MOUNTED CUSTOM PANELS WITH CUSTOM GRAPHICS. PARKS CANADA REPRESENTATIVE WILL PROVIDE THE GRAPHIC FILES IN THE FORMAT REQUIRED BY THE MANUFACTURER FOR THE FABRICATION. SEE DRAWING 2.0 AND 2.1 FOR DETAILS

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revisions	description	date
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A

C

A detail no.  
no. du detail  
B location drawing no.  
sur dessin no.  
C drawing no.  
dessin no.

A

B

C

project

projet

WHISTLERS  
CAMPGROUND  
ACOUSTIC INSTALLATION

JASPER, AB

drawing

dessin

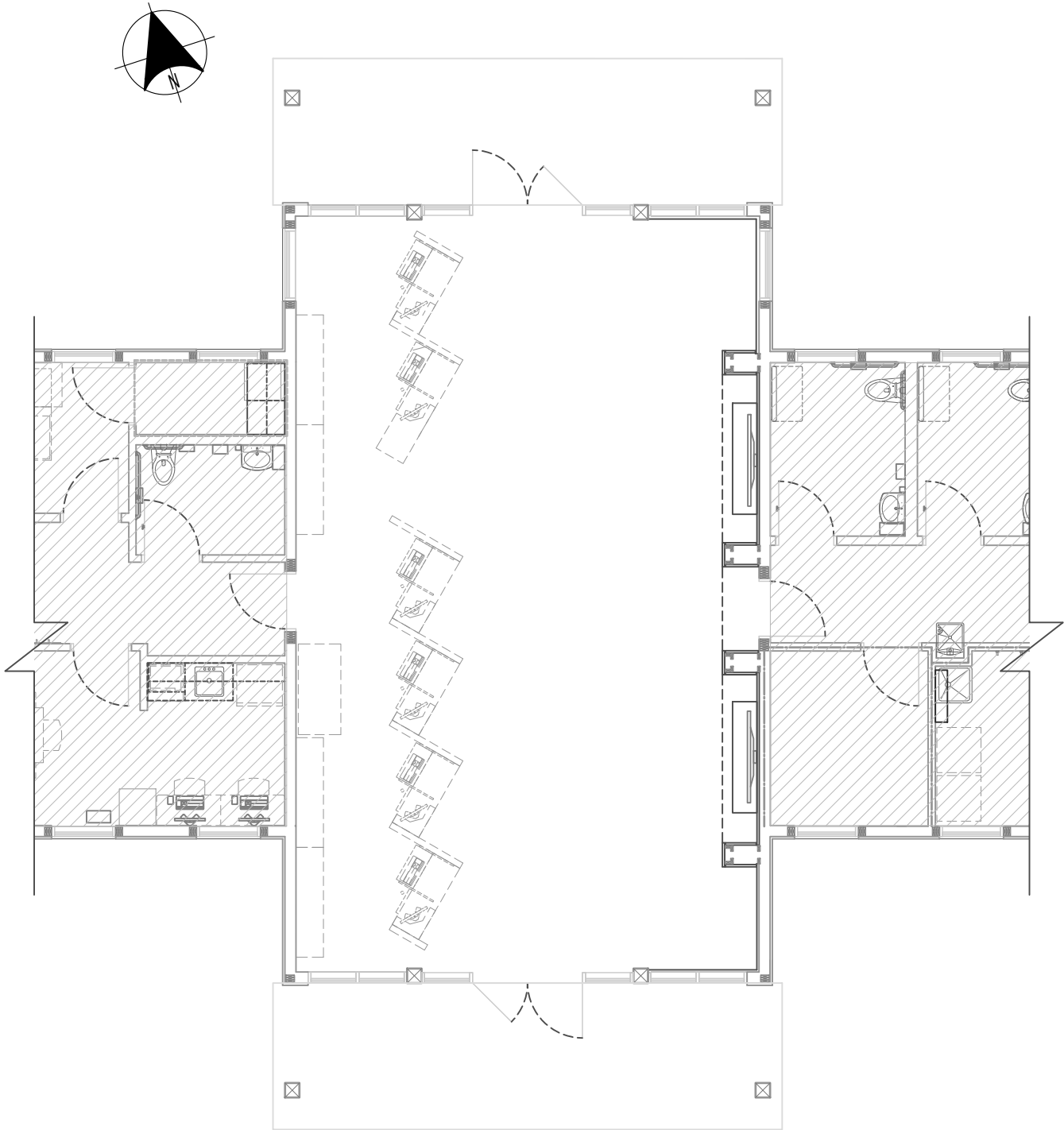
SCOPE OF WORK

Designed By	—
Date	(2021/07/23)
Drawn By	JK
Date	(2021/07/23)
Reviewed By	Examiné par
Date	(yyyy/mm/dd)
Approved By	Approuvé par
Date	(yyyy/mm/dd)

Project no.	No. du projet
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Drawing no.	No. du dessin
A0.1	

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1 FLOOR PLAN  
SCALE: 1:100

NOT IN CONTRACT

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revisions	description	date
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<div>A C</div>	A detail no. no. du detail B location drawing no. sur dessin no. C drawing no. dessin no.	<div>A B C</div>
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project	projet
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WHISTLERS  
CAMPGROUND  
ACOUSTIC INSTALLATION  
  
JASPER, AB

drawing	dessin
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FLOOR PLAN

Designed By TA

Date (2021/07/23)

Drawn By AC JK

Date (2021/07/23)

Reviewed By Examiné par

Date (yyyy/mm/dd)

Approved By Approuvé par

Date (yyyy/mm/dd)

Project no. No. du projet

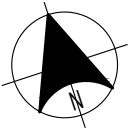
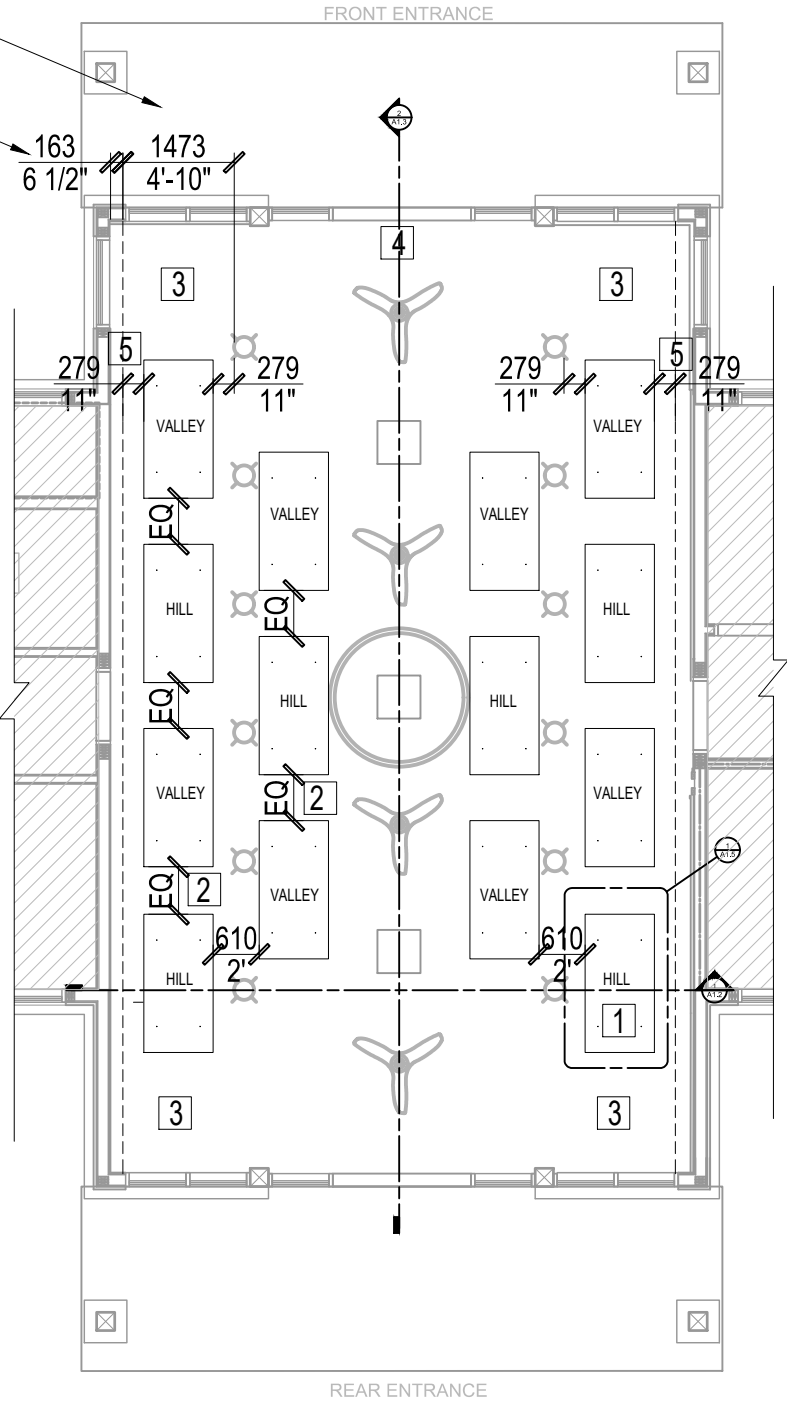
Drawing no. No. du dessin

A1.0

2021-12-24 9:40am By: Jaimen Kelly  
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DIMENSION FROM BULKHEAD TO EDGE OF  
PENDANT - REFER TO SECTION A ON A03

DIMENSION FROM WALL TO BULKHEAD



#### NOTES

- 1 ARMSTRONG WOODWORKS CANOPIES 72 X 36" HILL AND VALLEY PANELS IN NATURAL VARIATIONS MAPLE WITH W3 PERFORATED OPTION MOUNTED NO LESS THAN 127"(3226MM) AFF TYP..
- 2 EQUAL SPACING BETWEEN PANELS 610MM APART TYP. FROM FRONT TO BACK OF BUILDING. SIDE TO SIDE REFER TO DRAWING FOR DIMENSIONS
- 3 PANELS TO BE CENTERED FROM FRONT TO BACK
- 4 PANELS TO BE MIRRORED ON EACH SIDE
- 5 ACOUSTIC PANELS TO BE CENTERED BETWEEN WALL BULKHEAD AND EDGE OF SUSPENDED PENDANT LIGHT

#### GENERAL NOTES

1. ACOUSTIC SUSPENSION MUST BE ATTACHED TO ROOF TRUSSES WITH SPECIFIED HARDWARE - REFER TO STRUCTURAL DRAWING FOR TRUSS LOCATIONS

1 REFLECTED CEILING PLAN  
SCALE: 1:100

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A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project	projet
WHISTLERS CAMPGROUND ACOUSTIC INSTALLATION	
JASPER, AB	

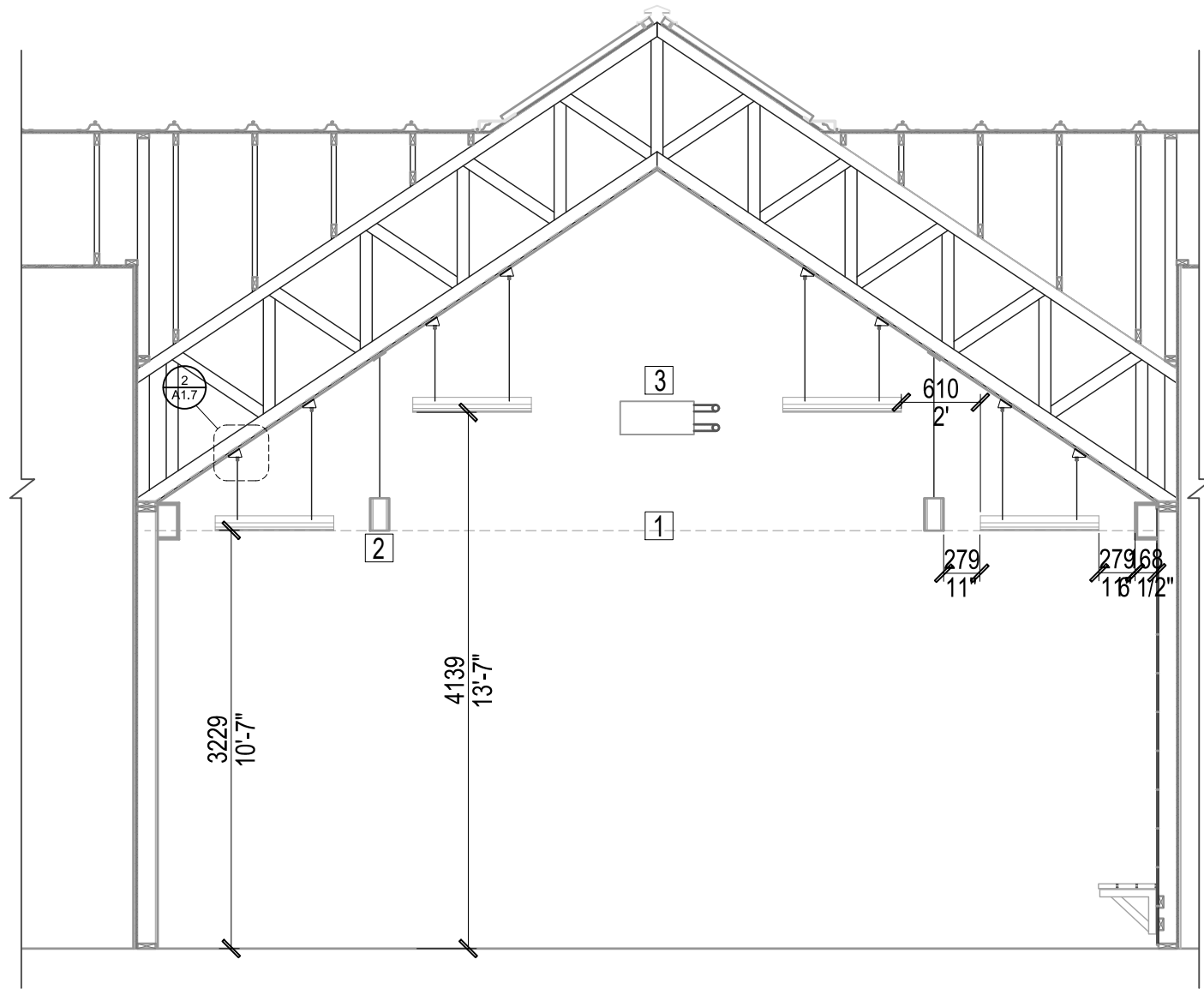
drawing	dessin
REFLECTED CEILING PLAN ACOUSTIC PANELS	

Designed By	TA	—
Date		(2021/07/23)
Drawn By	AC	JK
Date		(2021/07/23)
Reviewed By		Examiné par
Date		(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)

Project no.	No. du projet
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Drawing no.	No. du dessin
A1.1	

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1 SECTION 1  
SCALE: 1:50

#### DRAWING NOTES

- 1 ARMSTRONG WOODWORKS CANOPIES MOUNTING NO LESS THAN 127"(3226MM) AFF
- 2 HEIGHT TO BOTTOM OF PENDANT LIGHT FROM FLOOR 127"
- 3 CONFIRM HEIGHT OF HVAC UNITS TO ENSURE BOTH ROWS OF PANELS IMMEDIATELY ADJACENT TO THE HVAC UNITS ARE NOT MOUNTED LOWER THAN HVAC UNITS. THIS IS TO ENSURE THAT THE ACOUSTIC PANELS WILL NOT INTERFERE WITH THE AIR FLOW FROM THE HVAC UNITS.

#### NOTES

1. ACOUSTIC SUSPENSION MUST BE ATTACHED TO ROOF TRUSSES WITH SPECIFIED HARDWARE - REFER TO STRUCTURAL DRAWING FOR TRUSS LOCATIONS

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revisions	description	date
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A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project	projet
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WHISTLERS  
CAMPGROUND  
ACOUSTIC INSTALLATION

JASPER, AB

drawing	dessin
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SECTIONS  
ACOUSTIC PANEL

Designed By	TA	—
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Date	(2021/07/23)	JK
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Drawn By	AC	JK
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Date	(2021/07/23)	
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Reviewed By	Examiné par	
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Date	(yyyy/mm/dd)	
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Approved By	Approuvé par	
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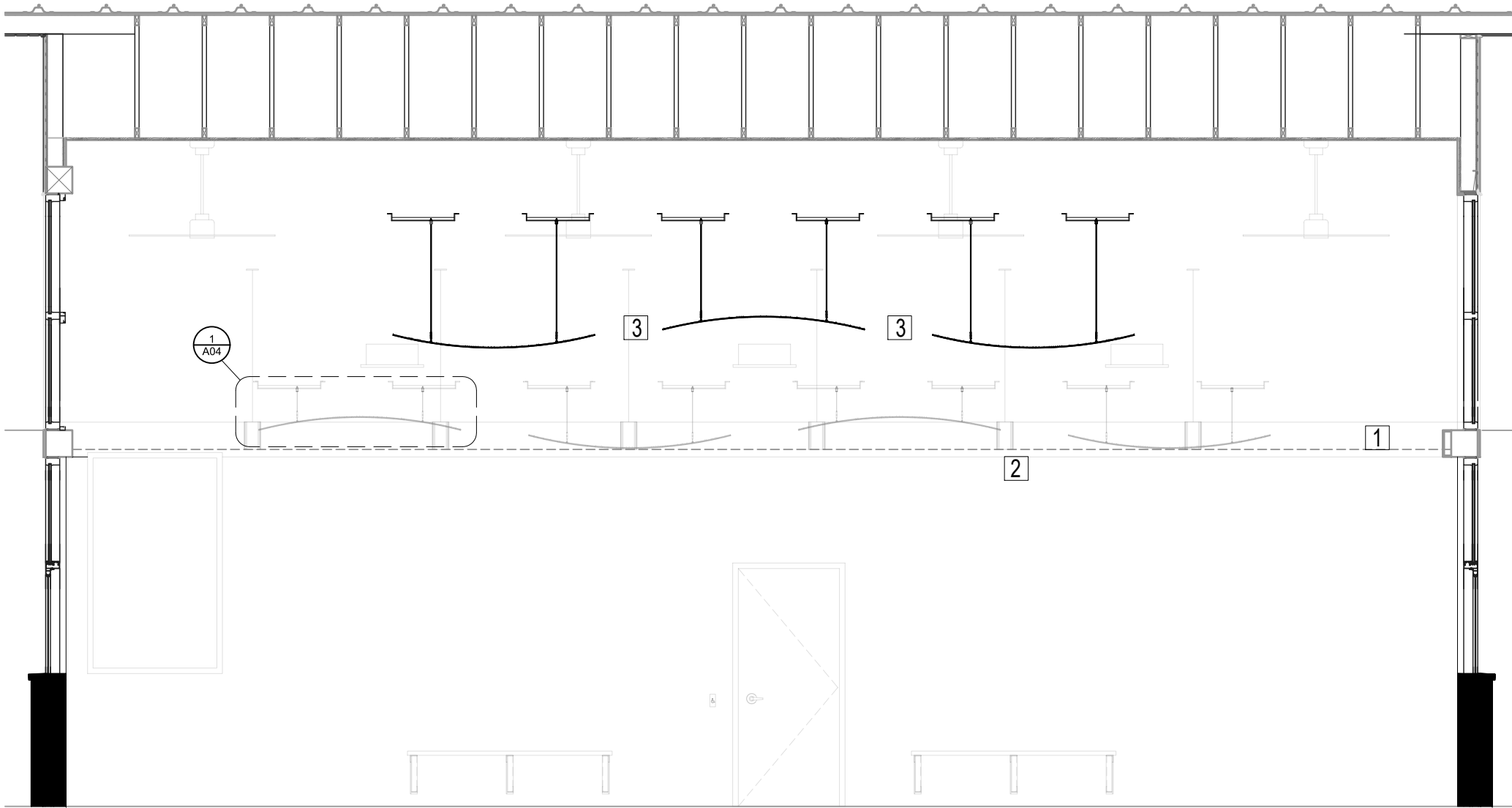
Date	(yyyy/mm/dd)	
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Project no.	No. du projet
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Drawing no.	No. du dessin
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A1.2

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1 SECTIONAL ELEVATION  
SCALE: 1:50

#### NOTES

1. ACOUSTIC SUSPENSION MUST BE ATTACHED TO ROOF TRUSSES WITH SPECIFIED HARDWARE - REFER TO STRUCTURAL DRAWING FOR TRUSS LOCATIONS

#### DRAWING NOTES

- 1 ARMSTRONG WOODWORKS CANOPIES MOUNTING NO LESS THAN 127"(3226MM) AFF  
2 HEIGHT TO BOTTOM OF PENDANT LIGHT FROM FLOOR 127"  
3 HILL PANELS TO BE MOUNTED 38MM HIGHER THAN TOP OF VALLEY PANELS

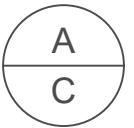
Canada



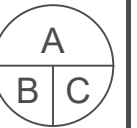
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revisions	description	date



A detail no.  
no. du detail  
B location drawing no.  
sur dessin no.  
C drawing no.  
dessin no.



project	projet
WHISTLERS CAMPGROUND ACOUSTIC INSTALLATION	
JASPER, AB	

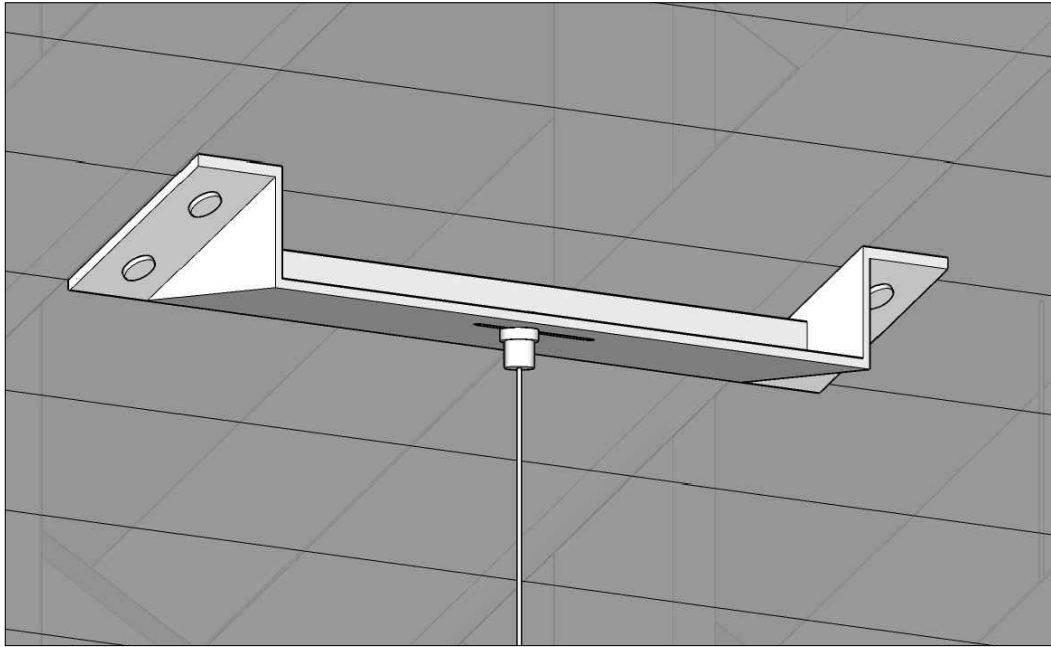
drawing	dessin
SECTIONS ACOUSTIC PANEL	

Designed By	TA	—
Date		(2021/07/23)
Drawn By	AC	JK
Date		(2021/07/23)
Reviewed By		Examiné par
Date		(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)

Project no.	No. du projet
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Drawing no.	No. du dessin
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A1.3



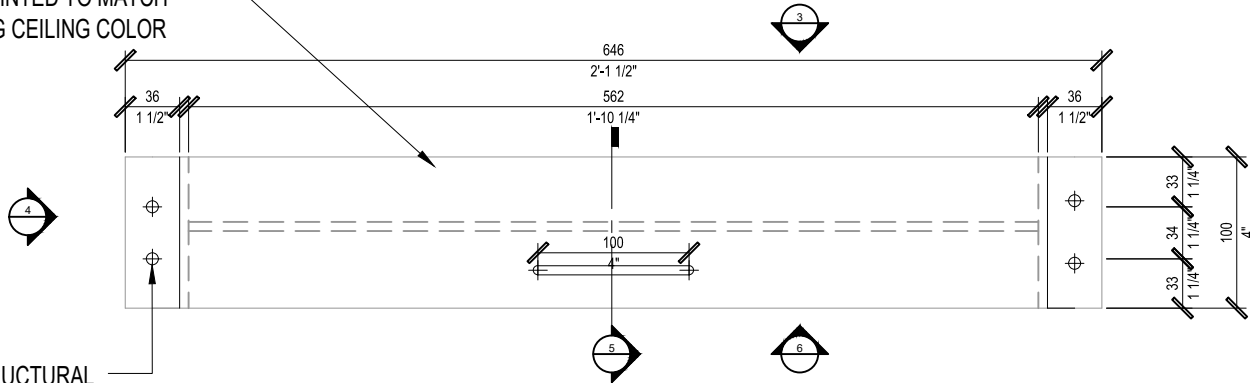
1 PROPOSED BRACKET ELEVATION

STEEL CONSTRUCTION  
TYP. PAINTED TO MATCH  
EXISTING CEILING COLOR

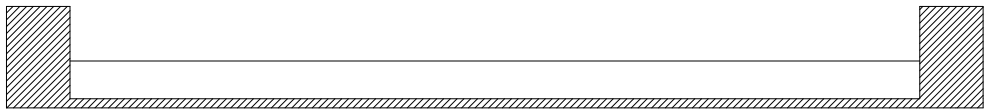
ALL STRUCTURAL  
CONNECTIONS MUST BE  
ON CENTER OF ROOF  
TRUSSES

NOTE

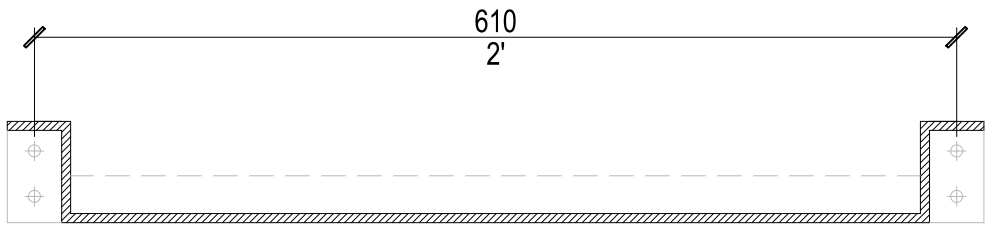
1. ALL SIZES, STEEL PLATES THICKNESS AND STRUCTURAL CONNECTIONS ARE TO BE CONFIRMED BY CONTRACTORS ENGINEER
2. ENGINEER IS TO CONFIRM ALLOWABLE DEFLECTION OF ROOF STRUCTURE UNDER LOAD OF NEW BRACKETS AND PANELS AT EACH LOCATION OF INSTALLATION.



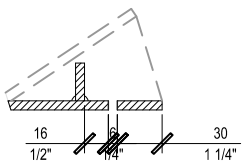
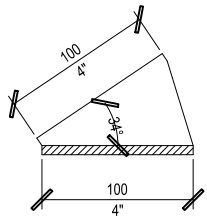
2 PROPOSED BRACKET PLAN



3 PROPOSED BRACKET BACK ELEVATION



6 PROPOSED BRACKET FRONT ELEVATION



5 PROPOSED BRACKET SECTION

NOTES

1. PROPOSED BRACKET SHOWN IS FOR INFORMATION ONLY AND NOT TO BE CONSTRUED AS WORKING DRAWINGS AS THEY HAVE NOT BEEN REVIEWED BY A STRUCTURAL ENGINEER. THE CONTRACTOR AND THEIR STRUCTURAL ENGINEER MAY PROPOSE TO THE PARKS CANADA REPRESENTATIVE OTHER MEANS OF OF SUSPENDING THE ACOUSTICAL PANELS TO THE ROOF STRUCTURE.
2. THE CONTRACTOR'S STRUCTURAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BRACKET INCLUDING DIMENSIONS OF STEEL MEMBERS, FASTENERS, WELDS, ECT.

3. DIMENSIONS BETWEEN TRUSSES ARE BASED ON STRUCTURAL DRAWINGS ATTACHED TO THIS PACKAGE. CONTRACTOR IS TO CONFIRM THE SPACING OF TRUSSES AT EACH LOCATION WHERE PANELS ARE TO BE SUSPENDED AND CONFIRM DIMENSIONS PRIOR TO FABRICATION OF BRACKETS.
4. CONTRACTOR IS REQUIRED TO PROVIDE A MOCK UP OF BOTH BRACKET AND INSTALLATION METHOD IN ADVANCE OF ANY INSTALLATION. MOCK UP IS TO BE REVIEWED ON SITE TO THE SATISFACTION OF PARKS CANADA REPRESENTATIVE PRIOR TO FINAL INSTALLATION.

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revisions	description	date
A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project	projet
WHISTLERS CAMPGROUND ACOUSTIC INSTALLATION	
JASPER, AB	

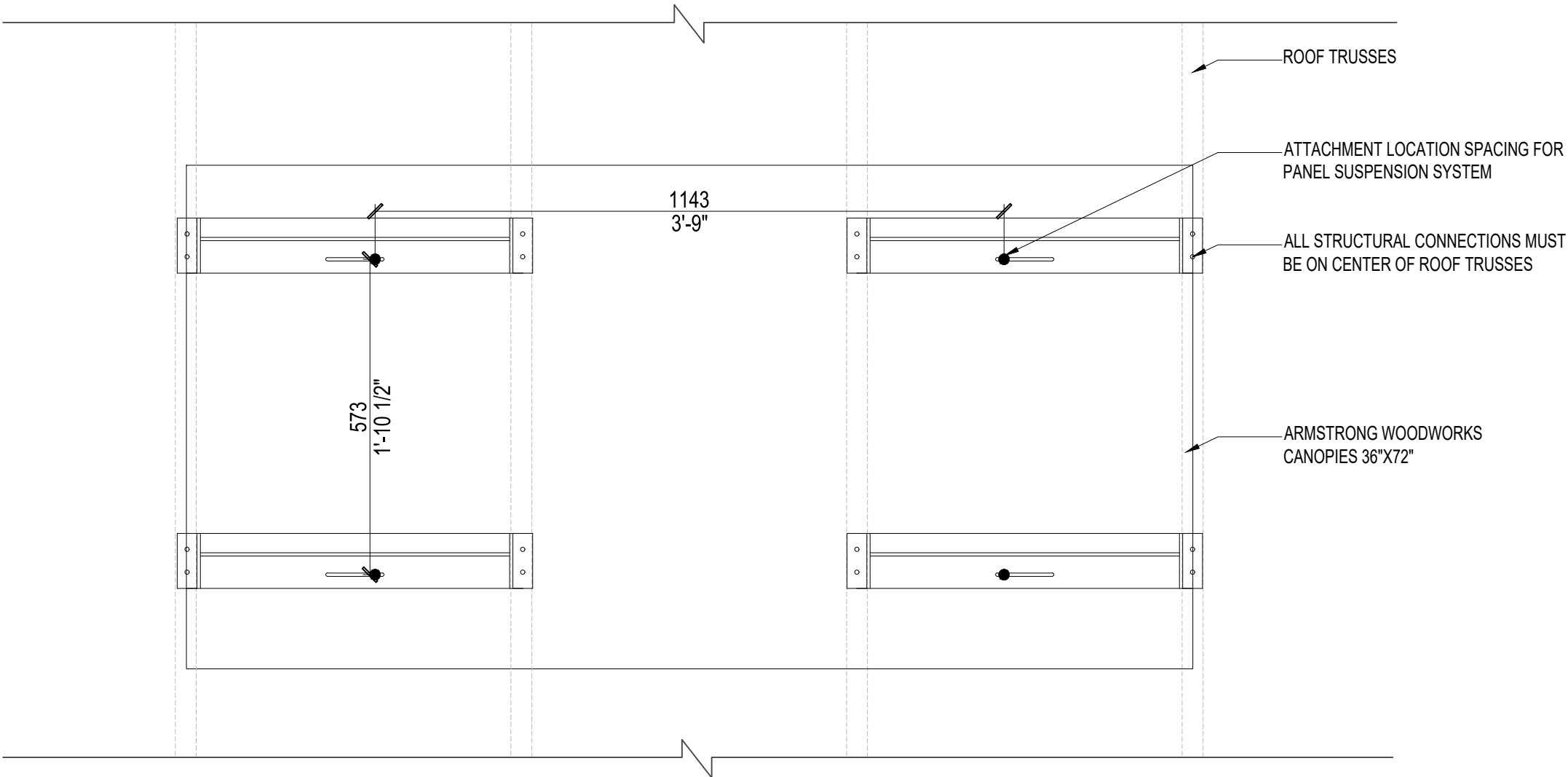
drawing	dessin
PROPOSED ACOUSTIC PANEL BRACKET	

Designed By	TA	—
Date		(2021/07/23)
Drawn By	AC	JK
Date		(2021/07/23)
Reviewed By		Examiné par
Date		(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)

Project no.	No. du projet
Drawing no.	No. du dessin

A1.4

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1 PLAN - CEILING ACOUSTIC PANEL  
SCALE: 1:20

**NOTES**  
1. FOR ILLUSTRATIVE PURPOSES ONLY. ALL DIMENSIONS ARE TO BE  
CONFIRMED BY CONTRACTOR PRIOR TO CREATING MOCK UP,  
OPENINGS IN CEILING AND INSTALLATION.



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revisions	description	date
<div><div>A</div><div>C</div></div>	A detail no. no. du detail B location drawing no. sur dessin no. C drawing no. dessin no.	<div><div>A</div><div>B</div><div>C</div></div>

project	projet
WHISTLERS CAMPGROUND ACOUSTIC INSTALLATION	
JASPER, AB	

drawing	dessin
ACOUSTIC PANEL PLAN	

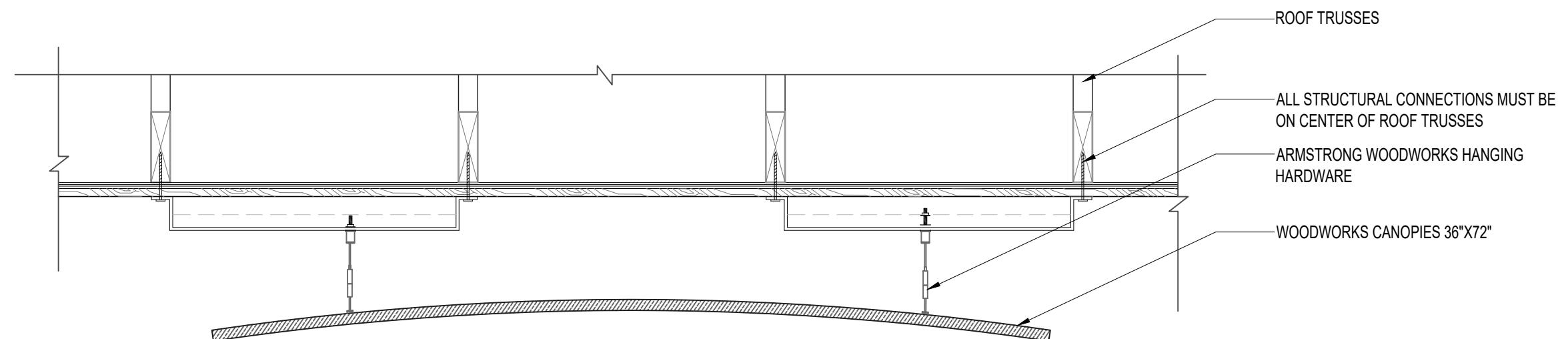
Designed By	TA	—
Date		(2021/07/23)
Drawn By	AC	JK
Date		(2021/07/23)
Reviewed By		Examiné par
Date		(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)

Project no.	No. du projet
Drawing no.	No. du dessin

A1.5



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1 SECTION - CEILING ACOUSTIC PANEL  
SCALE: 1:10

NOTES  
1. FOR ILLUSTRATIVE PURPOSES ONLY. ALL DIMENSIONS ARE TO BE  
CONFIRMED BY CONTRACTOR PRIOR TO CREATING MOCK UP,  
OPENINGS IN CEILING AND INSTALLATION.



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Asset & Environmental Management Architectural & Engineering Services      Gestion des biens et de l'environnement Services d'architecture et d'ingénierie


revisions	description	date
<div><div>A</div><div>C</div></div>	A detail no. no. du detail B location drawing no. sur dessin no. C drawing no. dessin no.	<div><div>A</div><div>B</div><div>C</div></div>

project project  
**WHISTLERS  
CAMPGROUND  
ACOUSTIC INSTALLATION**  
  
JASPER, AB

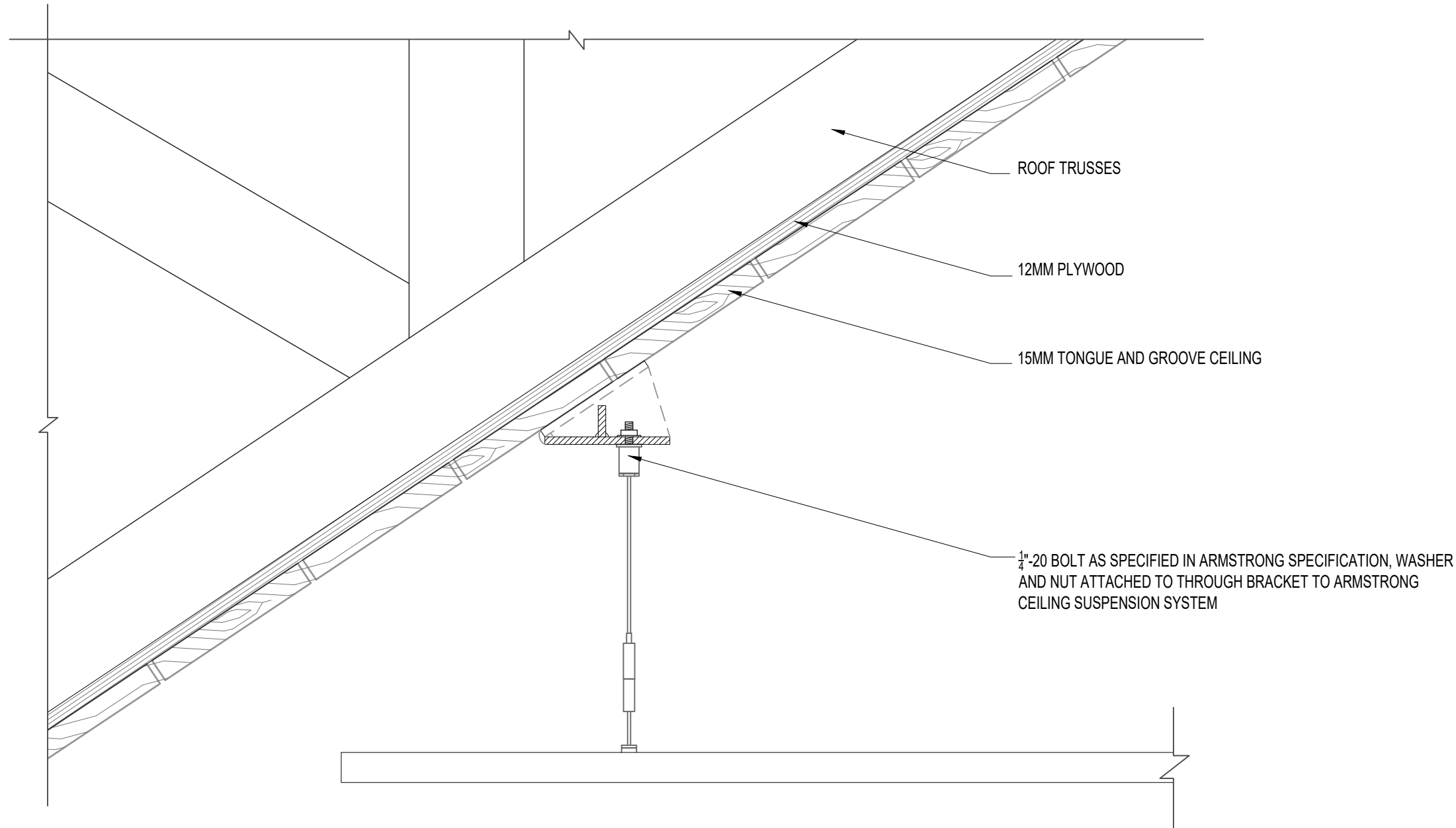
drawing dessin  
**ACOUSTIC PANEL  
SECTION**

Designed By	TA	—
Date		(2021/07/23)
Drawn By	AC	JK
Date		(2021/07/23)
Reviewed By		Examiné par
Date		(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)

Project no. No. du projet

Drawing no. A1.6 No. du dessin

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1 PROPOSED CONECTION DETAIL - CEILING ACOUSTIC PANEL

NOTES

1. FOR ILLUSTRATIVE PURPOSES ONLY. ALL DIMENSIONS ARE TO BE CONFIRMED BY CONTRACTOR PRIOR TO CREATING MOCK UP, OPENINGS IN CEILING AND INSTALLATION.

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revisions	description	date
A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project	projet
WHISTLERS CAMPGROUND ACOUSTIC INSTALLATION	
JASPER, AB	

drawing	dessin
ACOUSTIC PANEL DETAIL	

Designed By	TA	—
Date		(2021/07/23)
Drawn By	AC	JK
Date		(2021/07/23)
Reviewed By		Examiné par
Date		(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)

Project no.	No. du projet
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Drawing no.	No. du dessin
A1.7	





1 CEILING CONSTRUCTION IMAGE

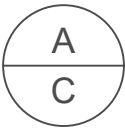
Canada



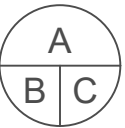
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revisions	description	date
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A detail no.  
no. du detail  
B location drawing no.  
sur dessin no.  
C drawing no.  
dessin no.



project

projet

WHISTLERS  
CAMPGROUND  
ACOUSTIC INSTALLATION

JASPER, AB

drawing

dessin

REFERENCE IMAGE

Designed By

TA

Date

(2021/07/23)

Drawn By

AC

Date

(2021/07/23)

Reviewed By

Examiné par

Date

(yyyy/mm/dd)

Approved By

Approuvé par

Date

(yyyy/mm/dd)

Project no.

No. du projet

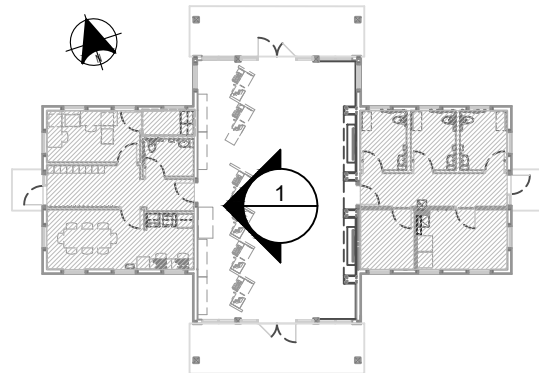
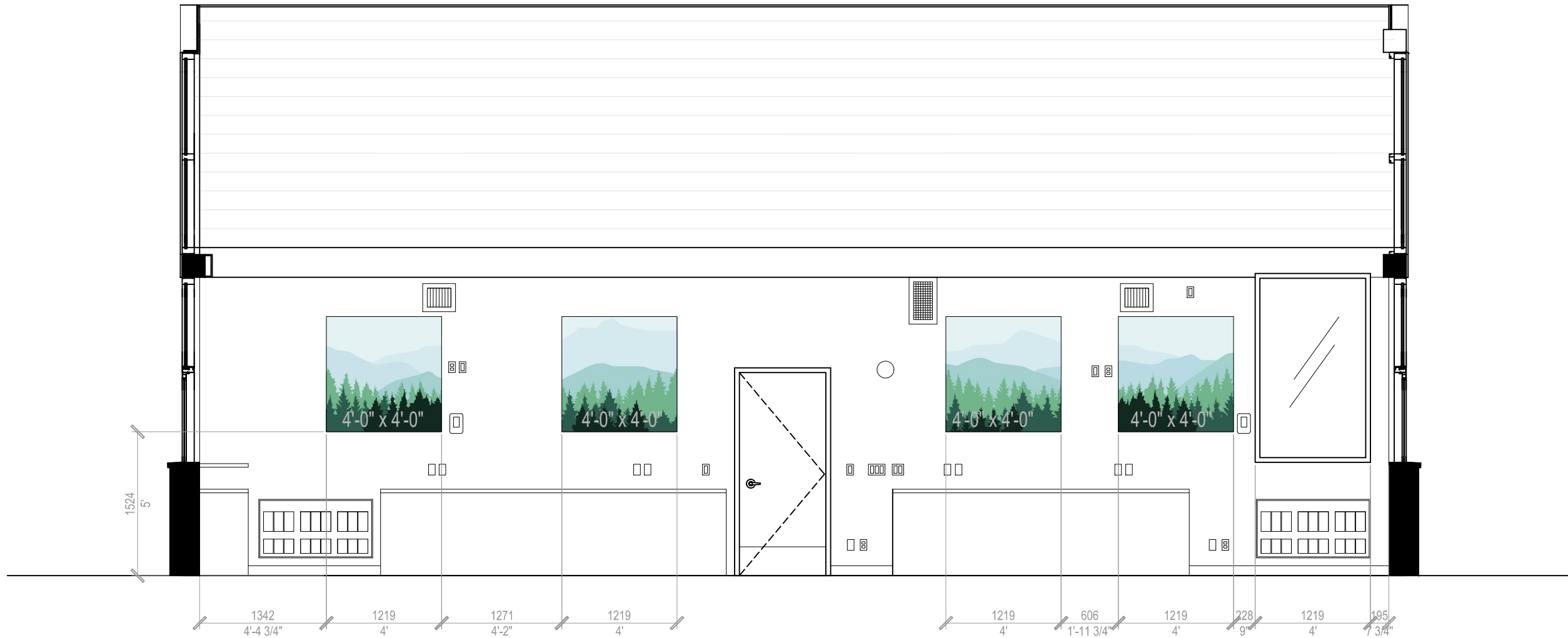
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No. du dessin

A1.8



2021-12-24 10:51am By: Jaimen Kelly  
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#### NOTES

1. DIMENSIONS AND LOCATIONS OF ALL EQUIPMENT AND FURNITURE TO BE CONFIRMED ON SITE
2. ACOUSTIC PANELS SHALL CONSIST OF ACOUSTICALLY TRANSPARENT FIRE-RATED FABRIC. 2" FIBERGLASS BOARD (6 PCF) RATING AT NOISE REDUCTION COEFFICIENT OF NRC 1.00
3. ACOUSTICAL PANELS TO BE INSTALLED WITH 25MM AIRSPACE BETWEEN THE FINISHED WALL AND THE REAR OF THE PANEL
- 4.ACOUSTICAL PANELS ON THIS WALL TO BE MOUNTED 1524MM FROM THE FLOOR TO BOTTOM OF THE PANEL
5. INCLUDED IN THIS CONTRACT ARE 8 ECHOTROL ACOUSTIC PANELS OR EQUIVALENT IN STANDARD SIZES OF 50MM THICKNESS. PARKS CANADA REPRESENTATIVE WILL PROVIDE THE GRAPHIC FILES IN THE FORMAT REQUIRED BY THE MANUFACTURER FOR THE FABRICATION OF 8 CUSTOM GRAPHICS, 1 FOR EACH PANEL .

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Services d'architecture  
et d'ingénierie


revisions	description	date
A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project	projet
WHISTLERS CAMPGROUND ACOUSTIC INSTALLATION	
JASPER, AB	

drawing	dessin
ACOUSTIC WALL PANEL ELEVATION	

Designed By	TA	—
Date		(2021/07/23)
Drawn By	AC	JK
Date		(2021/07/23)
Reviewed By		Examiné par
Date		(yyyy/mm/dd)
Approved By		Approuvé par
Date		(yyyy/mm/dd)

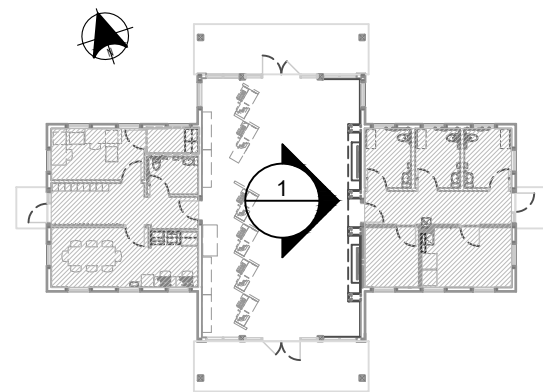
Project no.	No. du projet
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Drawing no.	No. du dessin
A2.0	

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1 EAST ELEVATION - WALL PANELS  
SCALE: 1:50



2 KEY PLAN  
NTS

NOT IN CONTRACT

#### NOTES

1. DIMENSIONS AND LOCATIONS OF ALL EQUIPMENT AND FURNITURE TO BE CONFIRMED ON SITE
2. ACOUSTIC PANELS SHALL CONSIST OF ACOUSTICALLY TRANSPARENT FIRE-RATED FABRIC, 2" FIBERGLASS BOARD (6 PCF) RATING AT NOISE REDUCTION COEFFICIENT OF NRC 1.00
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5. INCLUDED IN THIS CONTRACT ARE 8 ECHOTROL ACOUSTIC PANELS OR EQUIVALENT IN STANDARD SIZES OF 50MM THICKNESS. PARKS CANADA REPRESENTATIVE WILL PROVIDE THE GRAPHIC FILES IN THE FORMAT REQUIRED BY THE MANUFACTURER FOR THE FABRICATION OF 8 CUSTOM GRAPHICS, 1 FOR EACH PANEL .

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revisions	description	date
A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project WHISTLERS  
CAMPGROUND  
ACOUSTIC INSTALLATION  
JASPER, AB

drawing ACOUSTIC WALL  
PANEL ELEVATION

Designed By TA  
Date (2021/07/23)  
Drawn By AC JK  
Date (2021/07/23)  
Reviewed By Examiné par  
Date (yyyy/mm/dd)  
Approved By Approuvé par  
Date (yyyy/mm/dd)

Project no. No. du projet

Drawing no. A2.1  
No. du dessin

## Appendix 1

### As-Built Drawings - Registration Building



GENERAL NOTES

- STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE ALBERTA BUILDING CODE 2014 AND THE NATIONAL BUILDING CODE 2015 STRUCTURAL COMMENTARIES (PART 4).
- READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE
- OPENINGS AND SLEEVES SHOWN ARE LOCATED AND DIMENSIONED FOR DETAILING PURPOSES ONLY. THE EXACT SIZES AND LOCATIONS MUST BE COORDINATED WITH THE CONSULTANT AND TRADE CONTRACTOR OR SUB CONTRACTOR DURING CONSTRUCTION.
- REFER TO THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS AND SLEEVES NOT SHOWN ON THE STRUCTURAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE CONSULTANT AND OBTAIN INSTRUCTIONS PRIOR TO PROCEEDING WITH THE WORK.
- REFER TO THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR THE LOCATION OF PITS, EQUIPMENT BASES, SUMPS, DEPRESSIONS, GROOVES, CURBS, CHAMFERS AND SLABS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- THE STRUCTURAL DRAWINGS ARE FOR THE COMPLETED PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF WORKERS AND THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION. CONSTRUCTION LOADS SHALL NOT EXCEED THE LOADS TABULATED IN THE DESIGN NOTES.

DESIGN LOADS

- UNLESS NOTED OTHERWISE, SPECIFIED LOADS ARE SHOWN ON THE DRAWINGS.
- IMPORTANCE CATEGORY: NORMAL
- SNOW LOADS:

Ss = 3.3 kPa

Sr = 0.1 kPa

Is = 1.0 (ULS)

Is = 0.9 (SLS)
- LATERAL LOADS FROM WIND AND EARTHQUAKE:

A. WIND LOADS:

I. REFERENCE VELOCITY PRESSURE

q(1/10) = 0.25 kPa

II. REFERENCE VELOCITY PRESSURE

q(1/150) = 0.32 kPa

III. INTERNAL PRESSURE CATEGORY

3

IV. Iw = 1.0 (ULS)

V. Iw = 0.75 (SLS)

B. EARTHQUAKE LOADS:

I. Sa (0.2) = 0.24

II. Sa (0.5) = 0.14

III. Sa (1.0) = 0.068

IV. Sa (2.0) = 0.038

V. PGA = 0.12

VI. FOUNDATION SITE CLASS = D

VII. Rd = 3.0

VIII. Ro = 1.7

C. LATERAL LOADS FROM WIND AND EARTHQUAKE ARE RESISTED BY NAILED SHEAR WALLS: WOOD-BASED PANEL.
- SPECIFIED LOAD FOR FLOOR AND ROOF DESIGN:

A. DEAD LOADS : REFER TO PLANS FOR DEAD LOADS AND SUPERIMPOSED DEAD LOADS

B. LIVE LOADS: REFER TO PLANS FOR LIVE LOADS.
- RAIN LOADS ON ROOF : N/A

GEOTECHNICAL NOTES

- A GEOTECHNICAL REPORT HAS BEEN PREPARED BY AECOM, TITLED WHISTLERS CAMPGROUND GEOTECHNICAL REPORT, DATED NOVEMBER 2, 2017.
- THE FOUNDATION WALLS SHALL BE BACK FILLED WITH WELL COMPACTED GRAVEL OR SAND.

CONCRETE NOTES

CAST-IN-PLACE CONCRETE

- | LOCATION                          | CSA EXPOSURE CLASS | MINIMUM COMPRESSIVE STRENGTH (MPa) | MAX W/C RATIO | MAX. AGGREGATE (mm) | (%) | SPEC. SLUMP (mm) |
|-----------------------------------|--------------------|------------------------------------|---------------|---------------------|-----|------------------|
| FOOTINGS AND FOUNDATION WALLS     | S-2                | 30 @ 28 DAYS                       | 0.45          | 20                  | N/A | 65               |
| RAFT SLABS                        | S-2                | 30 @ 28 DAYS                       | 0.45          | 20                  | N/A | 65               |
| INTERIOR SLAB ON GRADE            | N                  | 30 @ 28 DAYS                       | 0.50          | 20                  | 5-8 | 60               |
| EXTERIOR APRONS AND CONCRETE PADS | C-2                | 35 @ 28 DAYS                       | 0.40          | 20                  | 5-8 | 60               |
| SITE CONCRETE (NON-STRUCTURAL)    | C-2                | 32 @ 28 DAYS                       | 0.45          |                     |     |                  |
- CONCRETE: CONFORM TO CAN/CSA-A23.1-04, NORMAL WEIGHT, MEETING THE FOLLOWING REQUIREMENTS UNLESS NOTED OTHERWISE:

LOCATION	CSA EXPOSURE CLASS	MINIMUM COMPRESSIVE STRENGTH (MPa)	MAX W/C RATIO	MAX. AGGREGATE (mm)	(%)	SPEC. SLUMP (mm)
FOOTINGS AND FOUNDATION WALLS	S-2	30 @ 28 DAYS	0.45	20	N/A	65
RAFT SLABS	S-2	30 @ 28 DAYS	0.45	20	N/A	65
INTERIOR SLAB ON GRADE	N	30 @ 28 DAYS	0.50	20	5-8	60
EXTERIOR APRONS AND CONCRETE PADS	C-2	35 @ 28 DAYS	0.40	20	5-8	60
SITE CONCRETE (NON-STRUCTURAL)	C-2	32 @ 28 DAYS	0.45			
  - USE TYPE HS PORTLAND CEMENT FOR ALL CONCRETE IN CONTACT WITH NATIVE SOIL.
  - FLY ASH CONTENT SHALL NOT EXCEED 25% OF TOTAL CEMENTITIOUS MATERIALS FOR FLOOR SLABS, BEAMS AND TOPPINGS. 40% FOR OTHER CONCRETE.
  - ADMIXTURES CONTAINING CALCIUM CHLORIDE ARE NOT PERMITTED.
  - SUPERPLASTICIZING ADMIXTURE IS PERMITTED TO ALLOW PUMPING OR IMPROVE SURFACE FINISHING OF CONCRETE.
  - FOR FLOOR SLABS, DESIGN THE CONCRETE MIXTURE WITH AGGREGATE GRADING AND WATER-TO-CEMENTING MATERIALS RATIO THAT MINIMIZE SHRINKAGE.

REINFORCING

- REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF CAN/CSA-G30.18, GRADE 400 AND SHALL BE DEFORMED BAR UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- BENDING, CUTTING AND PLACING OF REINFORCING STEEL SHALL CONFORM TO CAN/CSA A23.1-04 AND CAN/CSA A23.3-94.
- WELDING SHALL CONFORM TO CSA-W186.
- REINFORCE SLABS ON GRADE, INCLUDING SIDEWALKS, WITH WWF152 X 152 / MW34.9 X MW34.9 UNLESS OTHER REINFORCEMENT IS SHOWN.

REINFORCED CONCRETE WORK

- REINFORCED CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF CAN/CSA-A23.1-04.
- CONCRETE COVER TO REINFORCING STEEL SHALL CONFORM TO THE APPLICABLE REQUIREMENT LISTED BELOW THAT RESULTS IN THE GREATEST AMOUNT OF COVER:

CONCRETE CAST AGAINST EARTH		75mm
CONCRETE CAST IN FORMS BUT EXPOSED TO EARTH OR WEATHER		
I.	SLABS EXPOSED TO DE-ICING CHEMICALS	60mm
	TOP BARS	40mm
	BOTTOM BARS	
II	OTHER SLABS	40mm
	TOP BARS	40mm
	BOTTOM BARS	
III	WALLS	40mm

CONCRETE NOT EXPOSED TO WEATHER AND NOT IN CONTACT WITH EARTH		
I.	SLAB BOTTOM REINFORCING (2HR OR LESS FIRE RATING)	25mm
II.	SLAB TOP REINFORCING	25mm
III.	WALLS EXPOSED TO FIRE ON BOTH SIDES (VERT. REINF.)	50mm
IV.	OTHER WALLS	25mm
- UNLESS NOTED OTHERWISE, PROVIDE DOWELS OF THE SAME SIZE, NUMBER AND SPACING WHERE REINFORCING IS SPLICED.
- SUBMIT TO THE CONSULTANT FOR REVIEW THE LOCATION OF ALL CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS.
- SUBMIT TO THE CONSULTANT FOR REVIEW THE LOCATIONS OF ALL SLEEVES AND OPENINGS NOT SHOWN ON THE DRAWINGS. THE CONSULTANT WILL PROVIDE STRUCTURAL DETAILS AS REQUIRED FOR SLEEVES AND OPENINGS.
- SLEEVES SHALL NOT BE PLACED HORIZONTALLY ALONG OR VERTICALLY THROUGH WALLS UNLESS AUTHORIZED BY THE CONSULTANT.
- HORIZONTAL CONSTRUCTION JOINTS IN FOUNDATION WALLS ARE NOT PERMITTED EXCEPT WHERE SHOWN ON DRAWINGS OR WHERE AUTHORIZED BY THE CONSULTANT.

CONCRETE FORMWORK

- FORM WORK: CONFORM TO CAN/CSA-S269.3.
- PROVIDE 100mm THICK VOID FORM UNDER ALL GRADE BEAMS, PILE CAPS, STRUCTURAL SLABS ON GRADE AND WHERE SHOWN.
- REFER TO ARCHITECTURAL DRAWINGS FOR CHAMFERS ON CORNERS OF WALLS. USE 20X20 FORMED CHAMFERS ON EXPOSED CORNERS UNLESS CHAMFERS OF OTHER SIZES ARE SHOWN ON DRAWINGS.

FOUNDATIONS

- FOUNDATION DESIGN IN ACCORDANCE WITH RECOMMENDATIONS GIVEN IN THE GEOTECHNICAL REPORT TITLED WHISTLERS CAMPGROUND GEOTECHNICAL REPORT PREPARED BY AECOM DATED NOVEMBER 2, 2017. FOUNDATION DESIGN IS BASED ON ULTIMATE BEARING CAPACITY FOR STRIP AND SPREAD FOOTINGS FOUNDED BELOW THE FROST PENETRATION DEPTH OF 3.0 MBG OF 300 kPa. THE ALLOWABLE BEARING CAPACITY FOR STRIP AND SPREAD FOOTINGS WITH MINIMUM FOOTING WIDTHS OF 1.0m, BASED ON 25mm SETTLEMENT, MAY BE TAKEN AS 150 kPa FOR FOOTINGS FOUNDED ON STRUCTURAL FILL OVER NATIVE PIT RUN GRAVEL. GEOTECHNICAL CONSULTANT TO CONFIRM ALLOWABLE BEARING CAPACITY ON SITE PRIOR TO CASTING OF CONCRETE. INCREASE DEPTH TO UNDERSIDE OF FOOTING AS REQUIRED.
- ALL DOWELS AND ANCHOR RODS SHALL BE PLACED BEFORE CONCRETE IS POURED. TEMPLATES SHALL BE USED TO ENSURE CORRECT PLACEMENT.
- PROVIDE ALL PADS, PITS, TRENCHES AND DEPRESSIONS IN SLAB ON GRADE AS REQUIRED BY OTHER TRADES.
- CONTRACTOR SHALL SUBMIT TO THE CONSULTANT TO LOCATION OF ALL CONSTRUCTION JOINTS NOT SHOWN ON THE DRAWINGS.
- PROVIDE BOND BREAKER JOINTS PRIMED AND SEALED AT ALL VERTICAL JOINTS BETWEEN SLAB ON GRADE AND FOUNDATION WALLS.

MISCELLANEOUS NOTES

- DESIGN, FABRICATE, AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH CAN/CSA-S16-01 AND THE CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL.
- PROVIDE STEEL WITH THE FOLLOWING GRADES:

ANGLES

300W

BARS AND PLATES

300W

MISCELLANEOUS STEEL

300W

ANCHOR RODS

300W
- WELDING SHALL CONFORM TO CSA W59-03 AND BE DONE WITH MATCHING ELECTRODES.
- FIELD WELDING AND FIELD MODIFICATION OF STRUCTURAL STEEL SHALL NOT BE ALLOWABLE WITHOUT PRIOR REVIEW AND APPROVAL BY THE DEPARTMENTAL REPRESENTATIVE.
- GALVANIZE STEEL TO ASTM A123.

CONSTRUCTION TOLERANCES

- CONCRETE
- LEVEL ALIGNMENT (TOP OF SLAB FROM SPECIFIED PLANE AT ANY POINT)

A. SLAB ON GRADE

+/- 20mm

B. SLAB ON FALSEWORK

+/- 12mm
  - VERTICAL ALIGNMENT

A. GENERAL LOCATION OF LINES, SURFACES, ARISES

+/- 25mm

B. SLOPES OF LINES, SURFACES, ARISES

3mm IN 1000mm
  - SLAB THICKNESS

A. THICKNESS LESS THAN 300mm

+/- 8mm

B. THICKNESS GREATER THAN 300mm

+/- 12mm
  - EMBEDDED PLATE LOCATIONS

A. VERTICAL AND HORIZONTAL LOCATION

+/- 20mm

B. SLOPE OF SURFACE

+/- 1mm IN 50mm (MAX 6mm)
  - OTHER TOLERANCES IN ACCORDANCE WITH CAN/CSA-A23.1-04 AND CAN/CSA-S16-01.

WOOD NOTES

GENERAL WOOD FRAMING

- DESIGN AND CONSTRUCT WOOD MEMBERS IN ACCORDANCE WITH CAN/CSA-088-01(R2006).
- ERECT WOOD FRAMING PLUMB, SQUARE, AND TRUE TO LINES. MAXIMUM TOLERANCE FROM SPECIFIED POSITION IS 6mm.
- INSTALL STRUCTURAL COMPOSITE LUMBER, GLUED LAMINATED TIMBER AND METAL CONNECTORS AND HANGERS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- ADVISE THE ENGINEER OF THE COMPLETION OF FRAMING WORK PRIOR TO ENCLOSURE WITH FINISHES.
- OBTAIN ENGINEER'S REVIEW OF REQUIREMENT TO CUT HOLES IN DIAPHRAGMS, SHEAR WALLS, WOOD I-JOISTS, OR STRUCTURAL COMPOSITE LUMBER THAT ARE NOT SHOWN ON DRAWINGS.

ROUGH CARPENTRY

- MATERIAL REQUIREMENTS

A. SAWN LUMBER: NLGA GRADE STAMPED S-P-F NO. 2 OR BETTER IN ACCORDANCE WITH CAN/CSA-0141-05.

B. LOAD BEARING WALLS AND DIAPHRAGM SHEATHING: SHEATHING GRADE DOUGLAS FIR PLYWOOD TO CSA-0121-M1978 (R2003) OR SHEATHING GRADE SOFTWOOD PLYWOOD TO CSA-0151-04 OR ORIENTED STRANDBOARD TO CSA-0437-93(R2001) OR CAN/CSA-0325-0-92(R2003).

C. OTHER SHEATHING: PLYWOOD OR ORIENTED STRANDBOARD TO CAN/CSA-0325-0-92(R2003)

D. NAILS: CSA-B111-1974(R2003), HOT DIP GALVANIZED FOR EXTERIOR WORK.

E. BOLTS: A307, GRADE A, LOW CARBON STEEL, UNLESS NOTED OTHERWISE

F. METAL FRAMING CONNECTORS AND HANGERS: FABRICATED ZINC COATED PRODUCTS DESIGNED TO CAN/CSA-086.1-01 AND CAN/CSA-S136.1-01.

G. SHEATHING ADHESIVE: CAN/CGSB-71.26-M88.
- SUPPLY AND INSTALL CROSS BRACING OR SOLID WOOD BLOCKING FOR ALL JOISTS AT 2000mm MAXIMUM SPACING.

STRUCTURAL COMPOSITE LUMBER

- MANUFACTURE AND SUPPLY STRUCTURAL COMPOSITE LUMBER BEAMS THAT HAVE STRUCTURAL CAPACITY CONFIRMED BY THE CANADIAN CONSTRUCTION MATERIALS CENTRE.
- THE USE OF ALTERNATE SIZES AND PROPERTIES IS SUBJECT TO REVIEW AND ACCEPTANCE BY THE ENGINEER.
- LIMIT LIVE LOAD DEFLECTION TO SPAN/360.

GLUED LAMINATED TIMBER

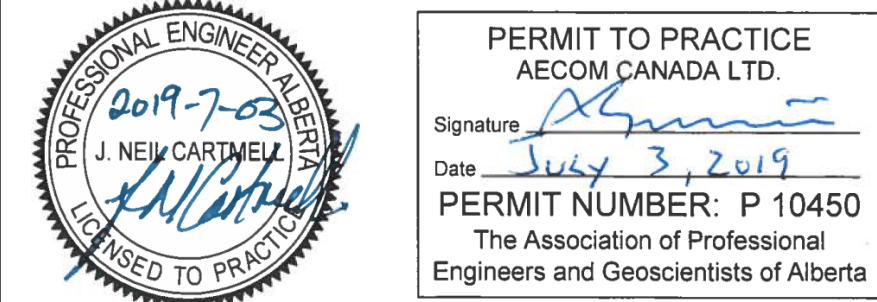
- MANUFACTURE AND SUPPLY GLUED LAMINATED MEMBERS IN ACCORDANCE WITH CAN/CSA-0122-06.
- LIMIT LIVE LOAD DEFLECTION TO SPAN/360.

PREFABRICATED WOOD TRUSSES

- PREFABRICATED WOOD TRUSSES TO PROFILE, DIMENSIONS AND LOADS SHOWN ON THE DRAWINGS. SUPPLIER SHALL DESIGN TRUSSES WITH CONSIDERATION OF TRANSPORTATION, FABRICATION, AND ERECTION IN ACCORDANCE WITH PART 4 OF THE NATIONAL BUILDING CODE OF CANADA 2015 AND CSA-086.
- SUBMIT DESIGN AND SHOP DRAWINGS FOR REVIEW, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ALBERTA. SHOP DRAWINGS SHALL INDICATE DESIGN LOADS, LUMBER SPECIES AND GRADES, SPACING OF TRUSSES, JOINT DETAILS AND CONNECTOR CAPACITIES, MEMBER FORCES, REACTIONS, AND CAMBER.
- INSTALL ALL NECESSARY BRIDGING, BRACING, AND BLOCKING AS PER TRUSS SUPPLIER'S DESIGN AND SPECIFICATIONS.

ABBREVIATIONS

@	AT
A.I.F.B.	ASPHALT IMPREGNATED FIBRE BOARD
BLL	BOTTOM LOWER LAYER
BUL	BOTTOM UPPER LAYER
BOT.	BOTTOM
CANT.	CANTILEVER
C.I.P.	CAST-IN-PLACE
CL	CENTER LINE
CLR.	CLEAR, CLEARANCE
COLS.	COLUMNS
CONC.	CONCRETE
CONT.	CONTINUOUS
C/W	COMPLETE WITH
DEG.	DEGREE
DIA.	DIAMETER
DL	DEAD LOAD
DN.	DOWN
DP.	DEEP
DWG.	DRAWING
EA.	EACH
E.F.	EACH FACE
EL.	ELEVATION
E.W.	EACH WAY
EXIST.	EXISTING
GA.	GAUGE
GALV.	GALV.
HK.	HOOK
HORIZ.	HORIZONTAL
I.F.	INSIDE FACE
INV.	INVERT
kN	KILONEWTON
kPa	KILOPASCAL
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
m	METRE
MBG	METRES BELOW GRADE
MAX.	MAXIMUM
MID.	MIDDLE
MIN.	MINIMUM
mm	MILLIMETRE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
O.C.	ON CENTER
O.F.	OUTSIDE FACE
OPP.	OPPOSITE
±	PLUS MINUS
PWF	PRESERVED WOOD FOUNDATION
REF.	REFERENCE
REINF.	REINFORCEMENT
R/W	REINFORCED WITH
SDL	SUPERIMPOSED DEAD LOAD
SL	SIMILAR
SN	SNOW LOAD
T.O.	TOP OF
TYP.	TYPICAL
U/S	UNDER SIDE
VERT.	VERTICAL
WL	WIND LOAD



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No.	Date	Description	Drawn by Dessine par	Approved Approuve

Revision / Revision

A

B

Detail number  
Sheet number

A Numéro de detail  
B Numéro de la feuille

Linear dimensions  
in millimetres

Dimensions linéaires  
en millimètres

Consultant's Name  
Nom de l'expert-conseil

Eng. Stamp  
Sceau de l'ingénieur

AECOM

Parks Canada

Parcs Canada

Asset Management  
Western and  
Northern  
Region

Gestion des biens  
Région de l'Ouest et  
du Nord

Canada

WHISTLERS CAMPGROUND  
RECONSTRUCTION  
IN  
JASPER NATIONAL PARK

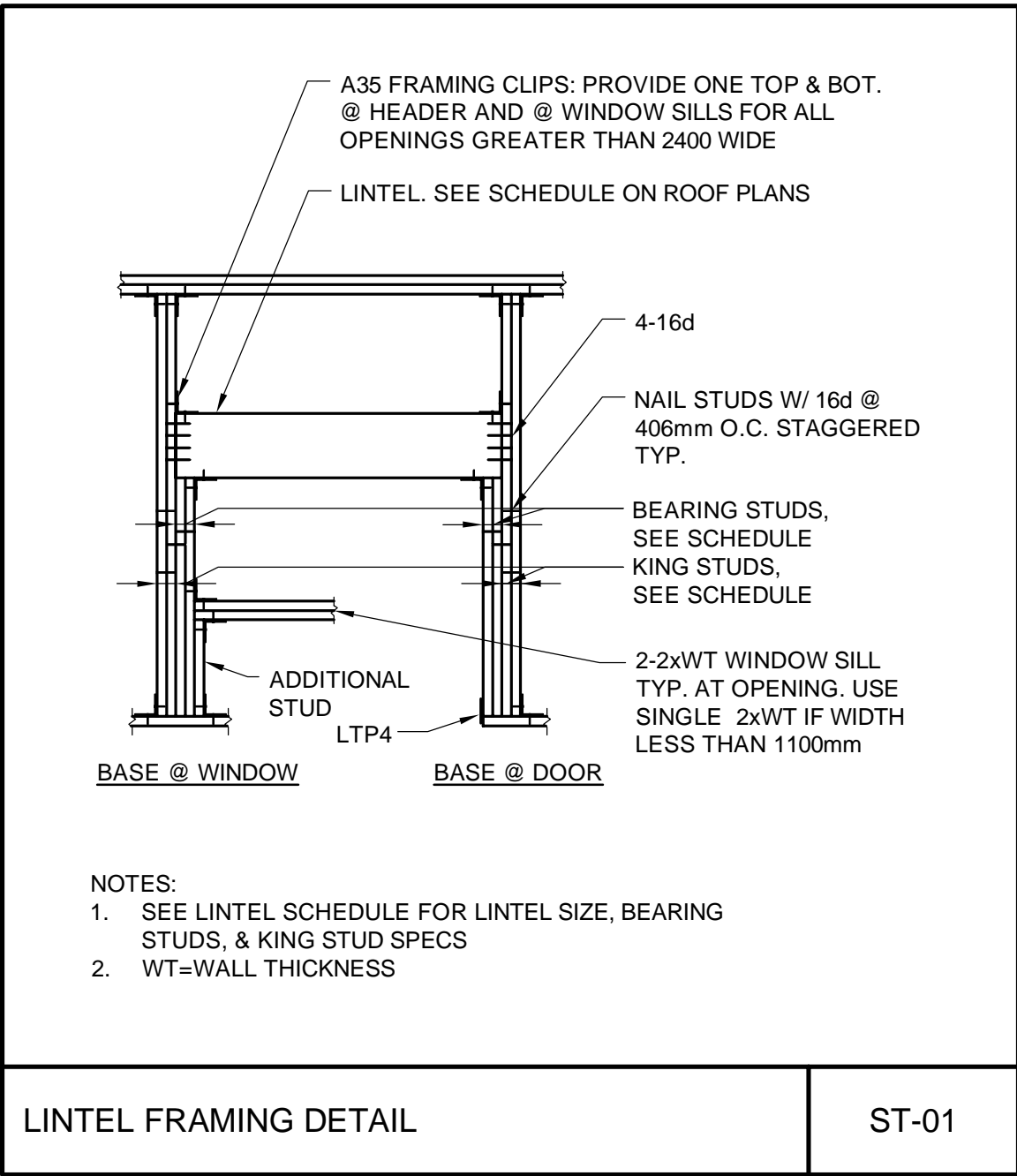
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STRUCTURAL  
GENERAL NOTES

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Designed by/Concept par HB	Reviewed by/Revise par HB	Scale/Echelle AS SHOWN
Client Acceptance/Acceptation du client		Approved by/Approuve par
Date		Date
Project No./Nº du projet PRO 727	Asset No./Nº du bien	Sheet No./ Nºde la feuille S1 OF S16
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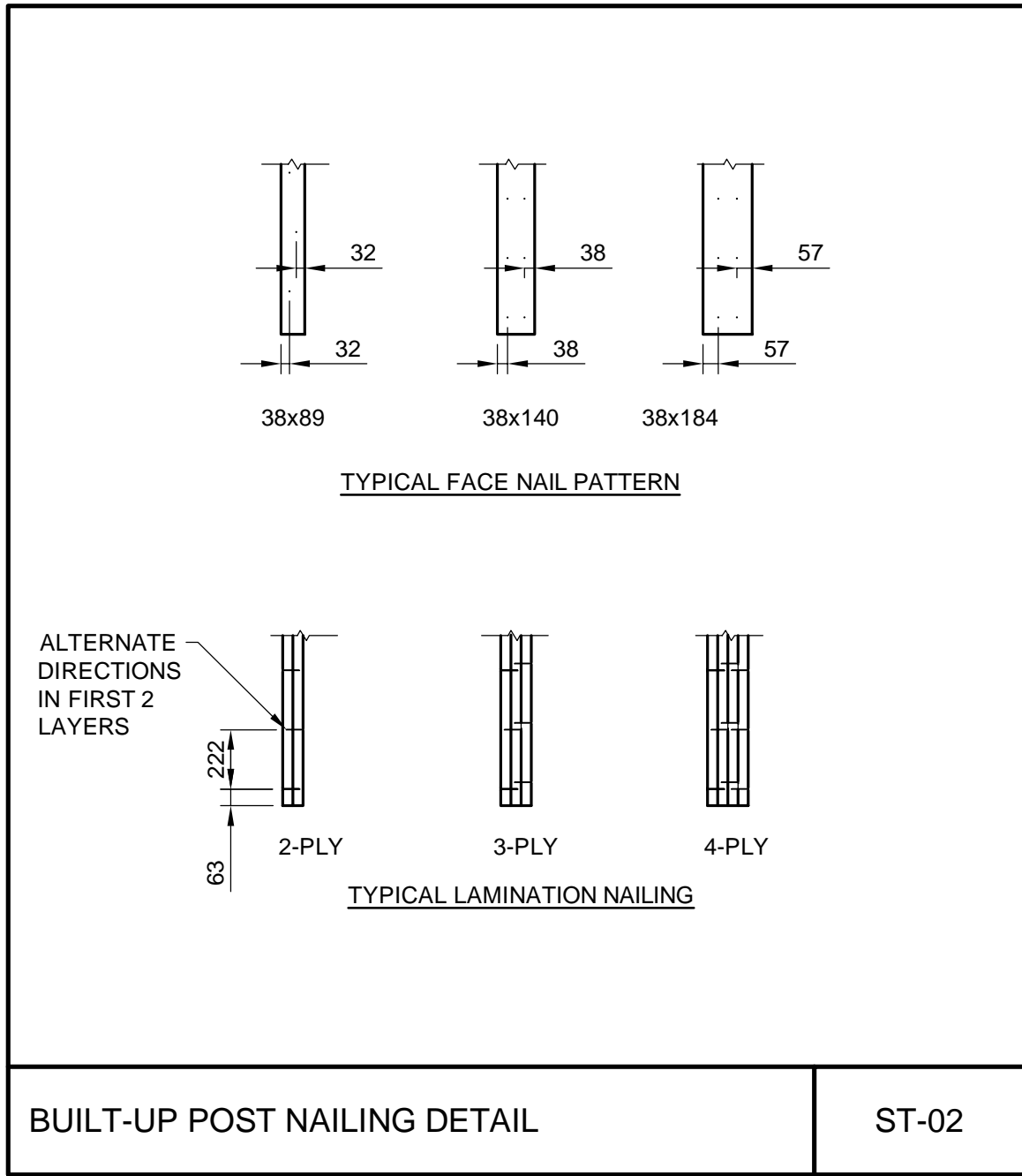


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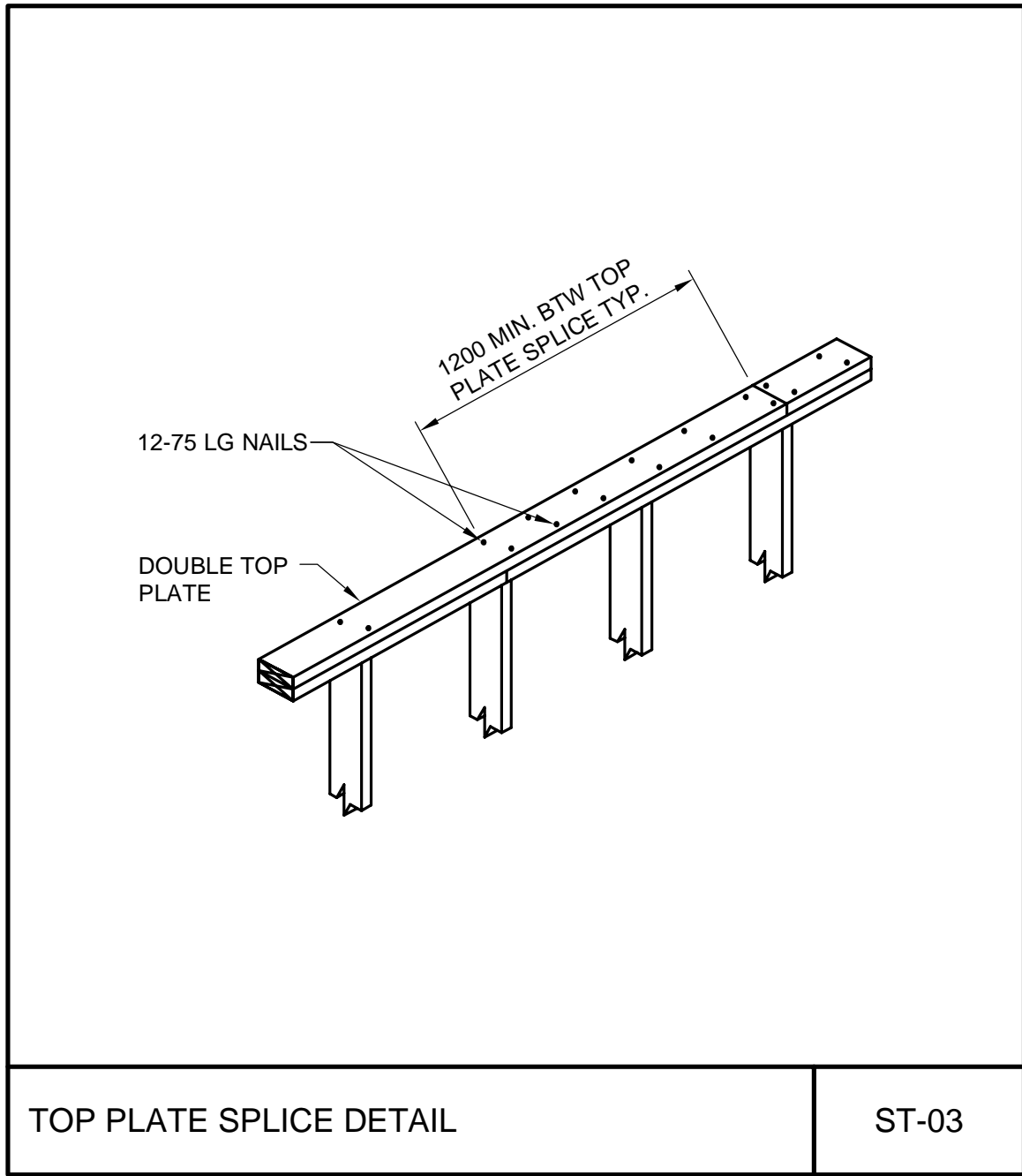
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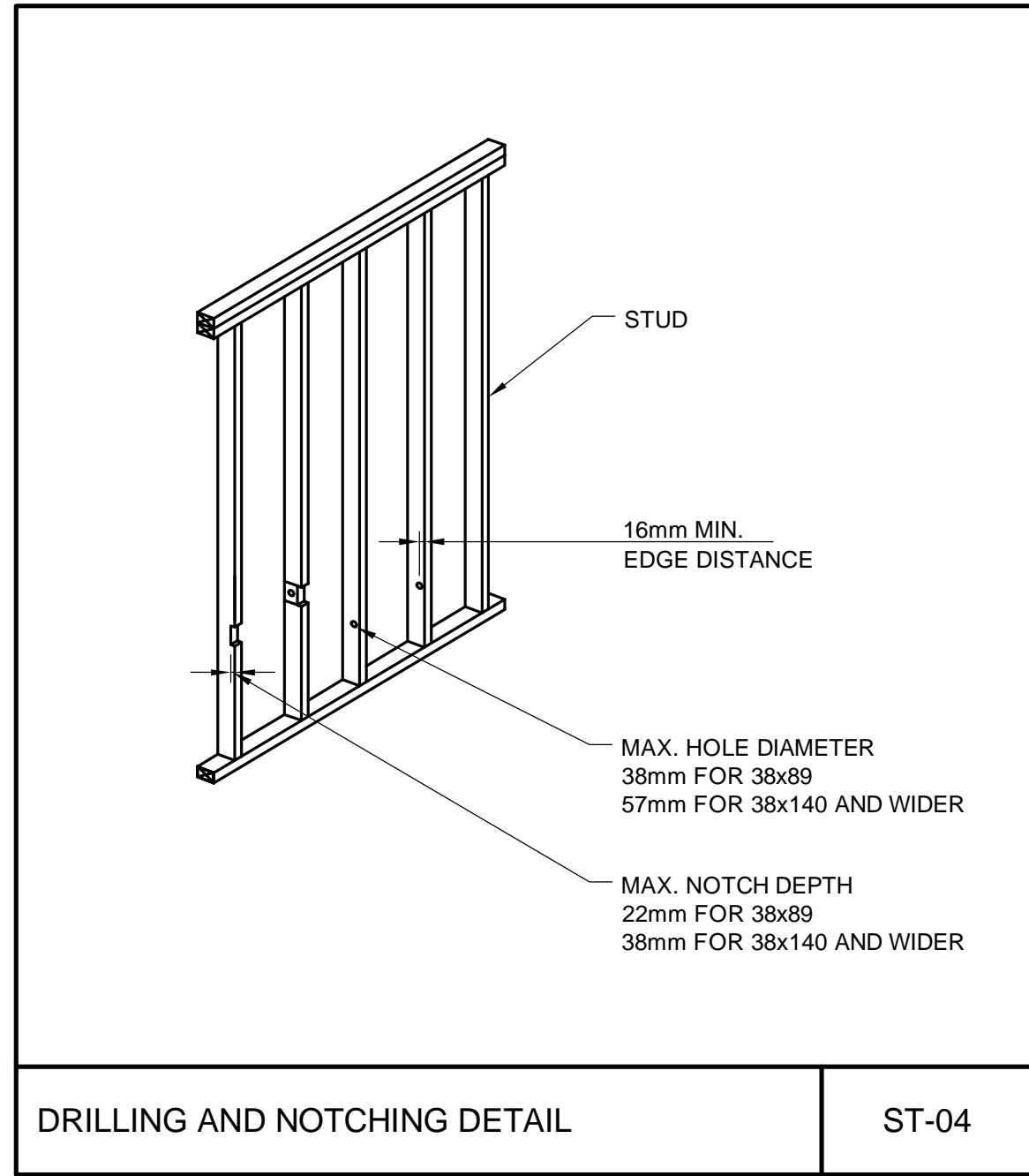
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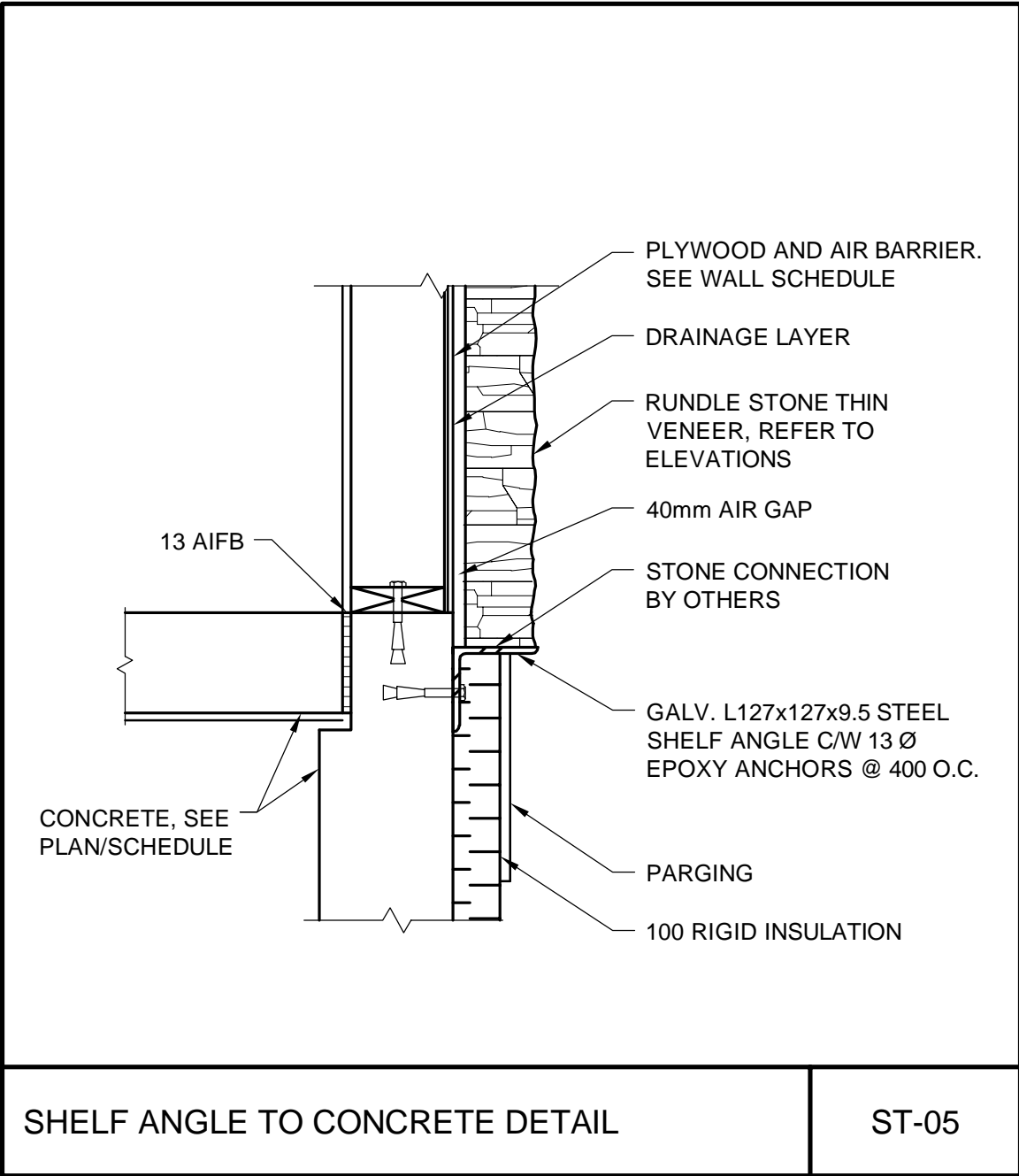
TOP PLATE SPLICE DETAIL

ST-03



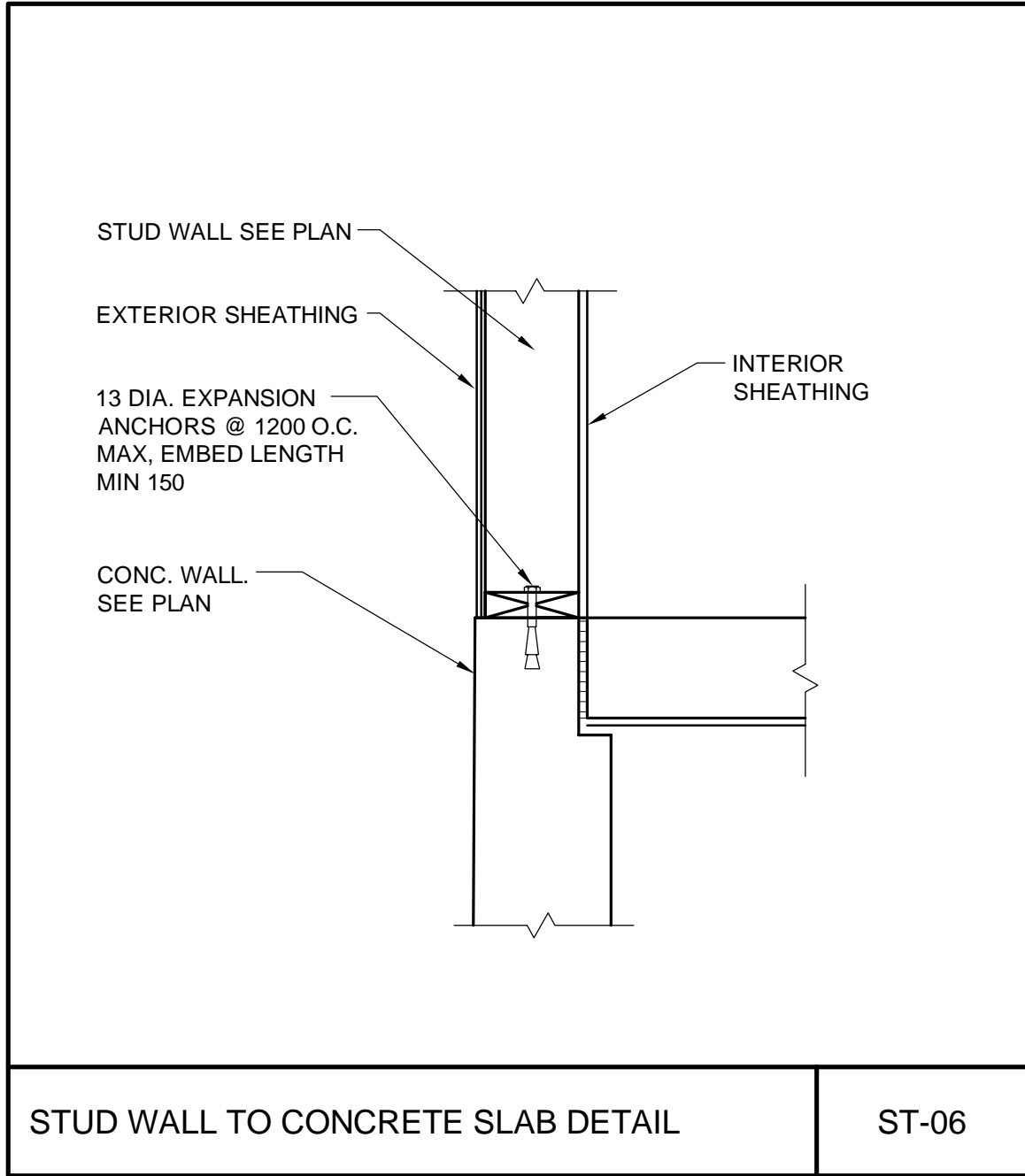
DRILLING AND NOTCHING DETAIL

ST-04



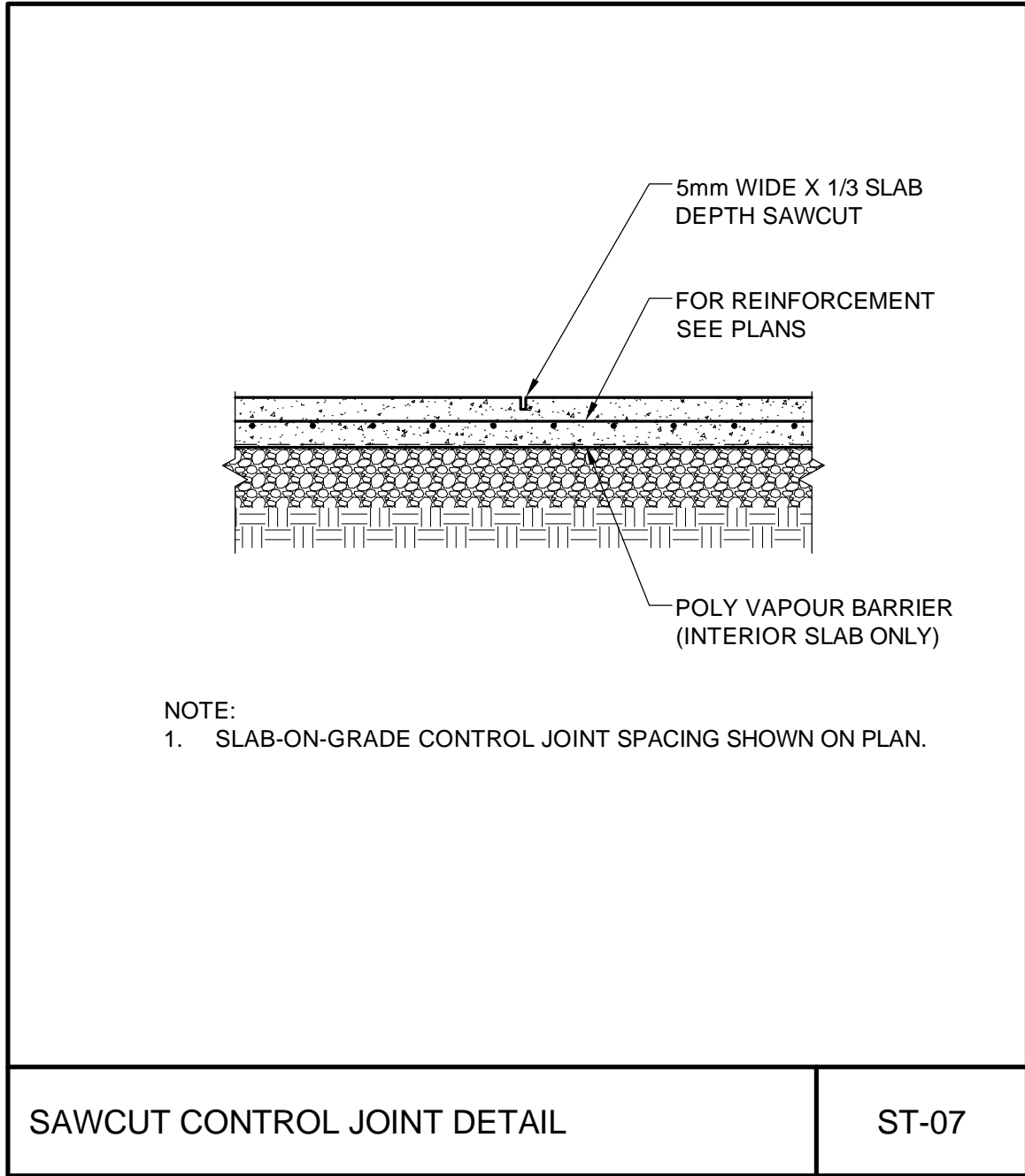
SHELF ANGLE TO CONCRETE DETAIL

ST-05



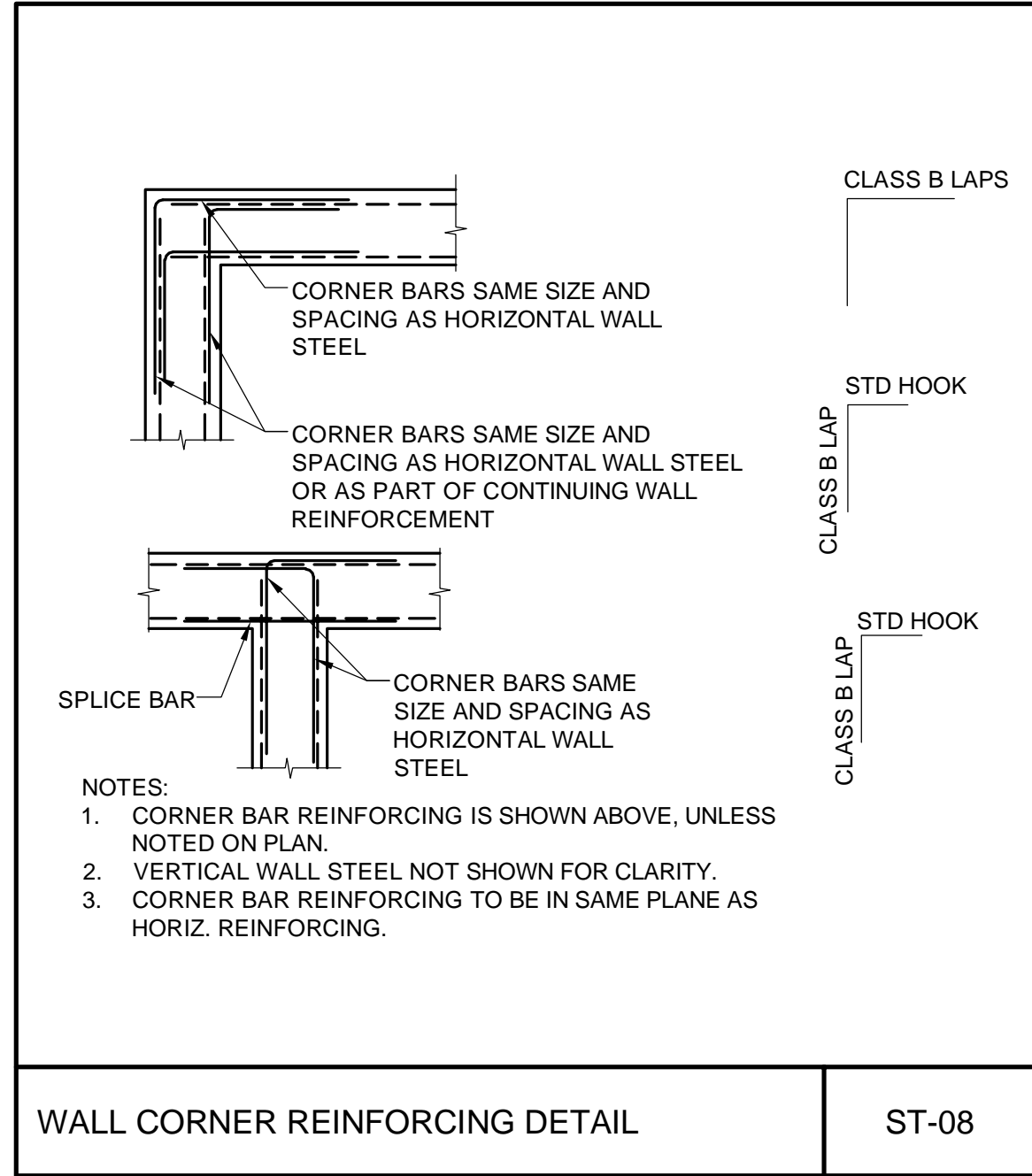
STUD WALL TO CONCRETE SLAB DETAIL

ST-06



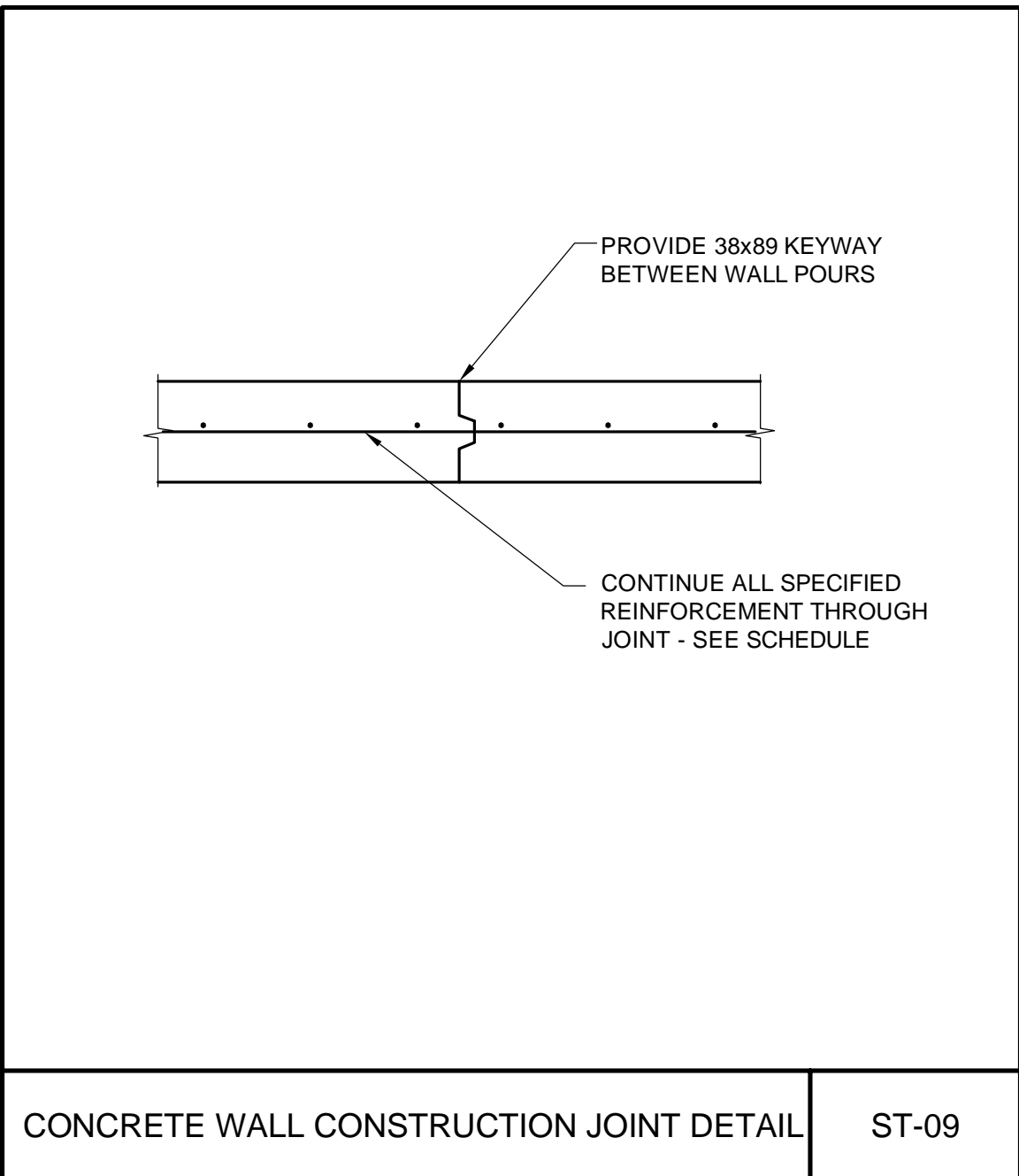
SAWCUT CONTROL JOINT DETAIL

ST-07



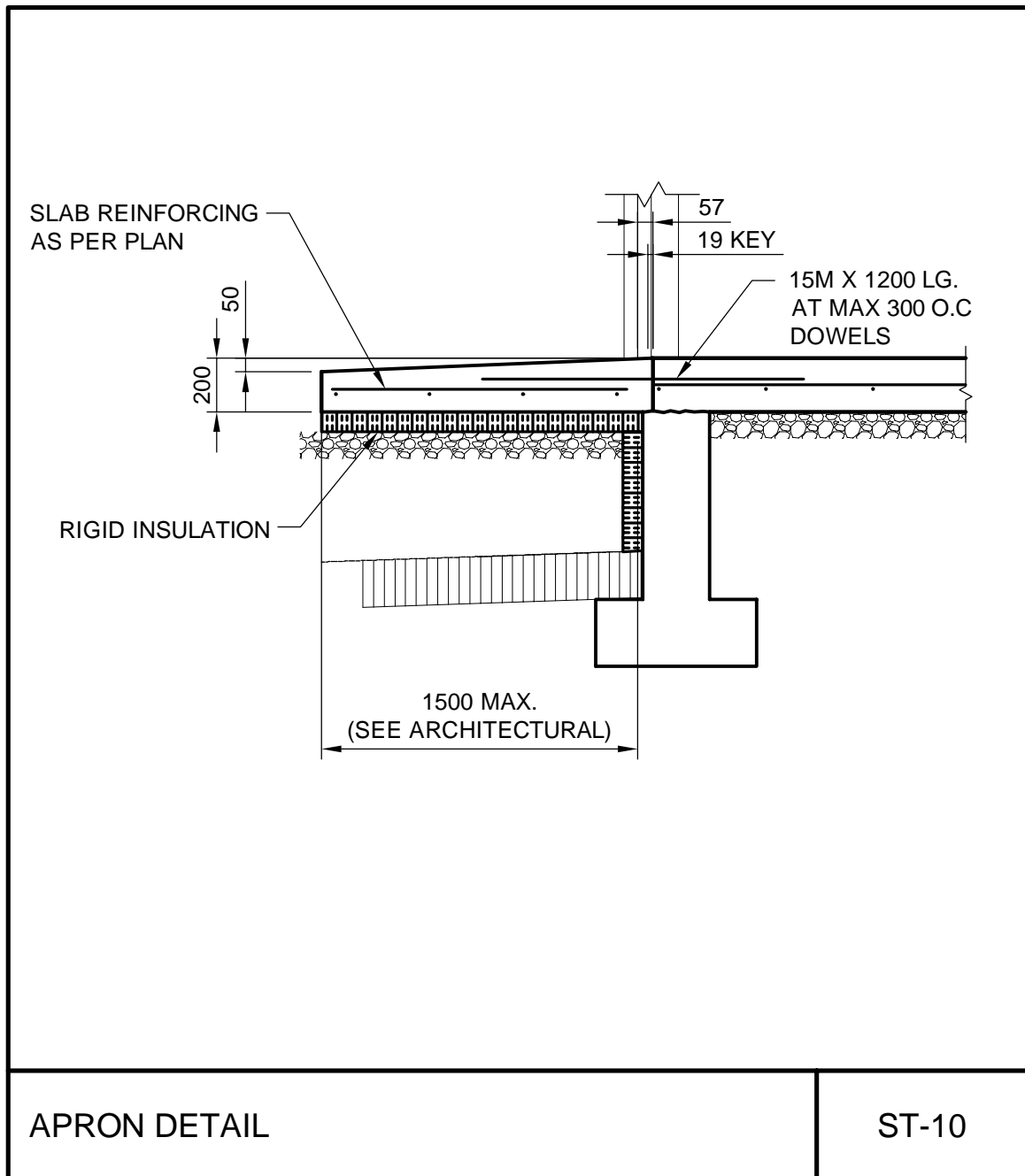
WALL CORNER REINFORCING DETAIL

ST-08



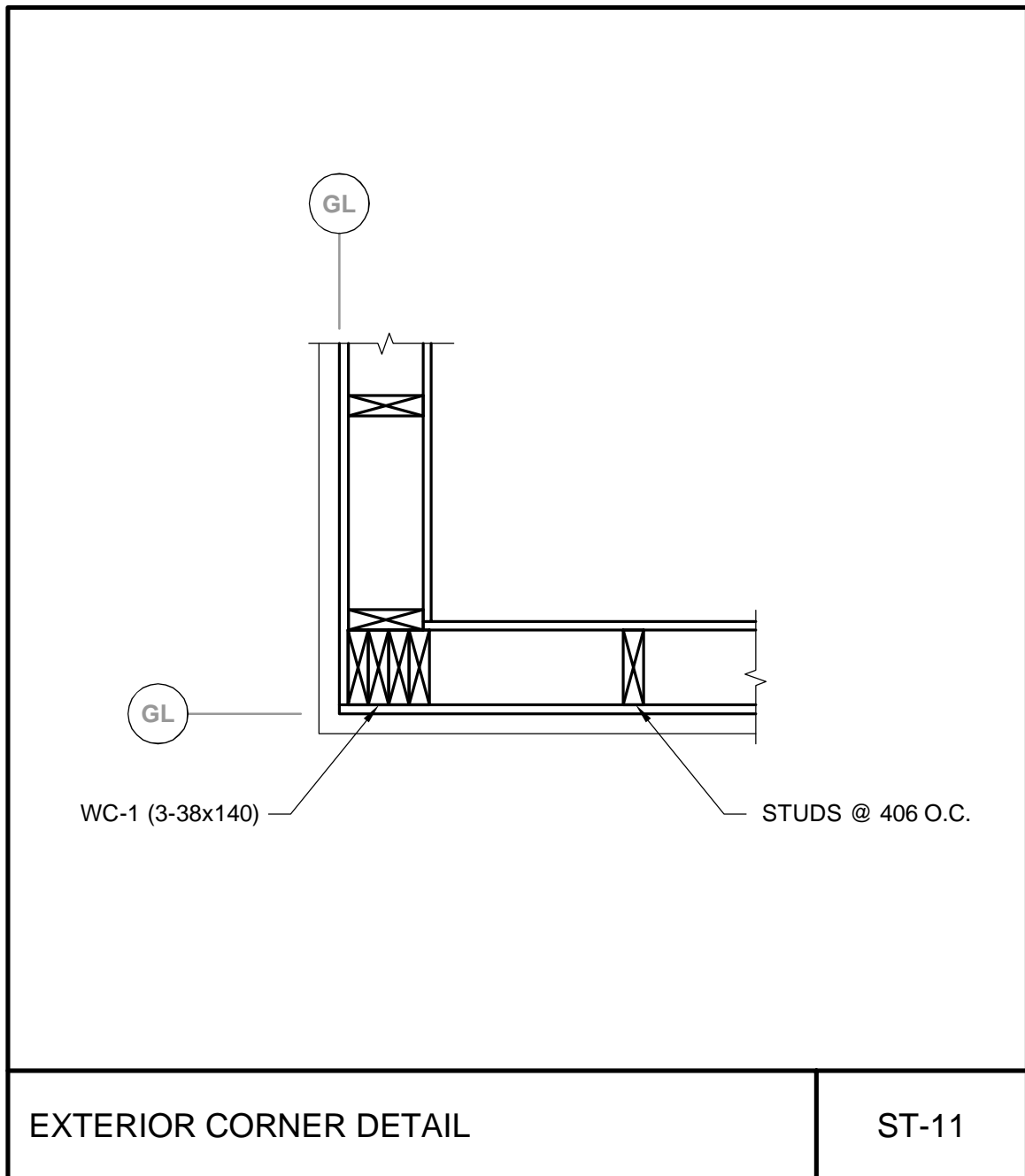
CONCRETE WALL CONSTRUCTION JOINT DETAIL

ST-09



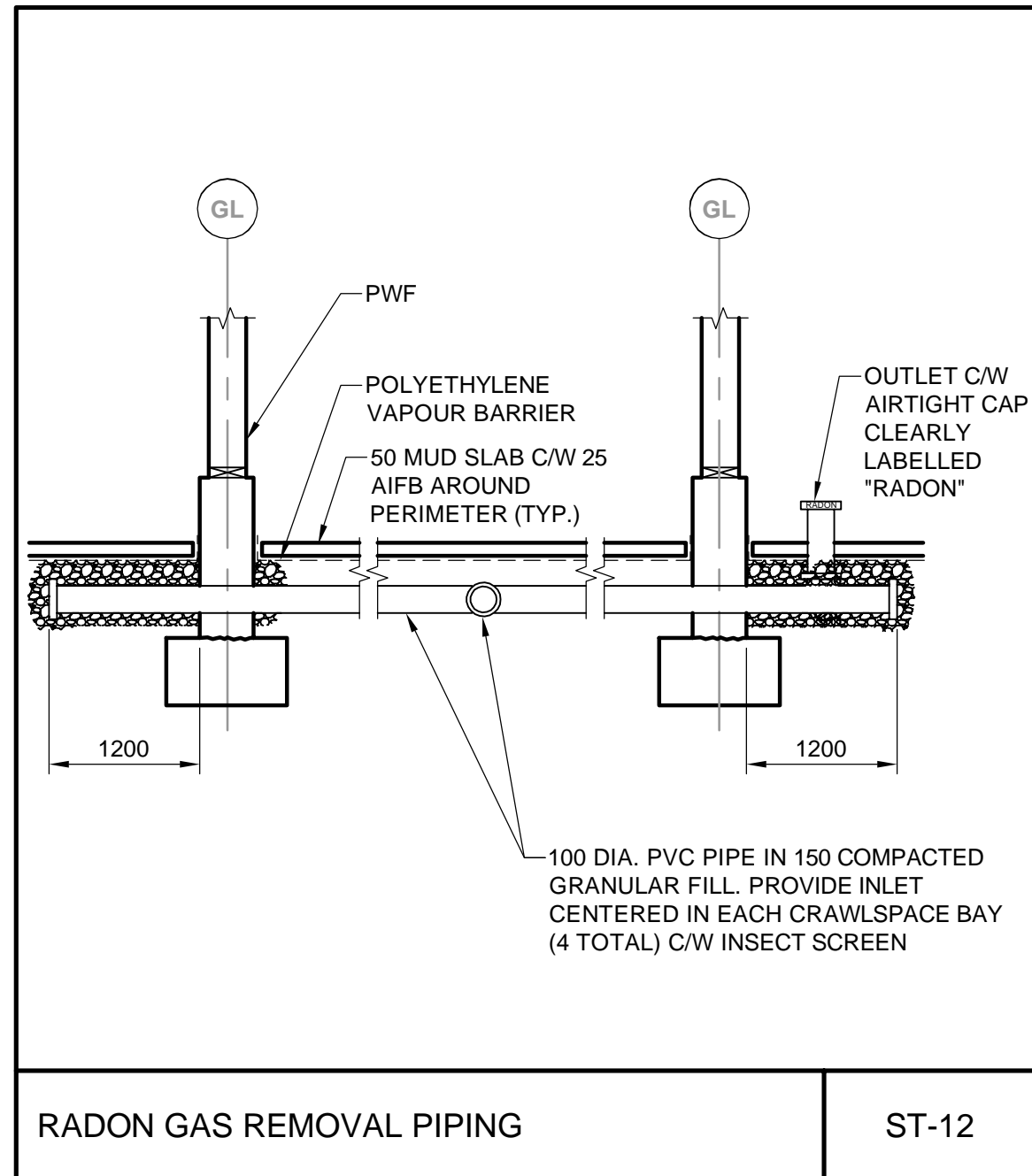
APRON DETAIL

ST-10



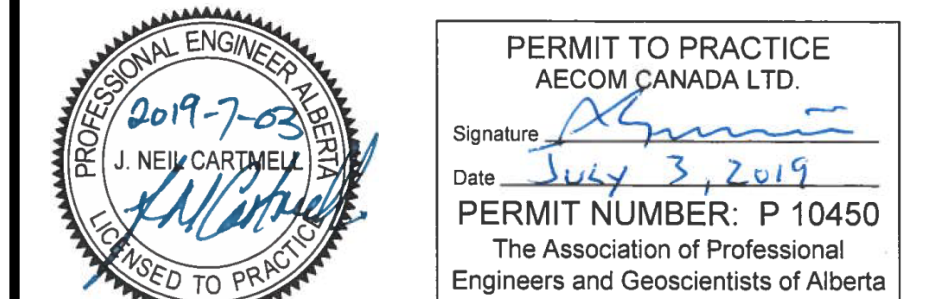
EXTERIOR CORNER DETAIL

ST-11



RADON GAS REMOVAL PIPING

ST-12



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Linear dimensions in millimetres Dimensions linéaires en millimètres

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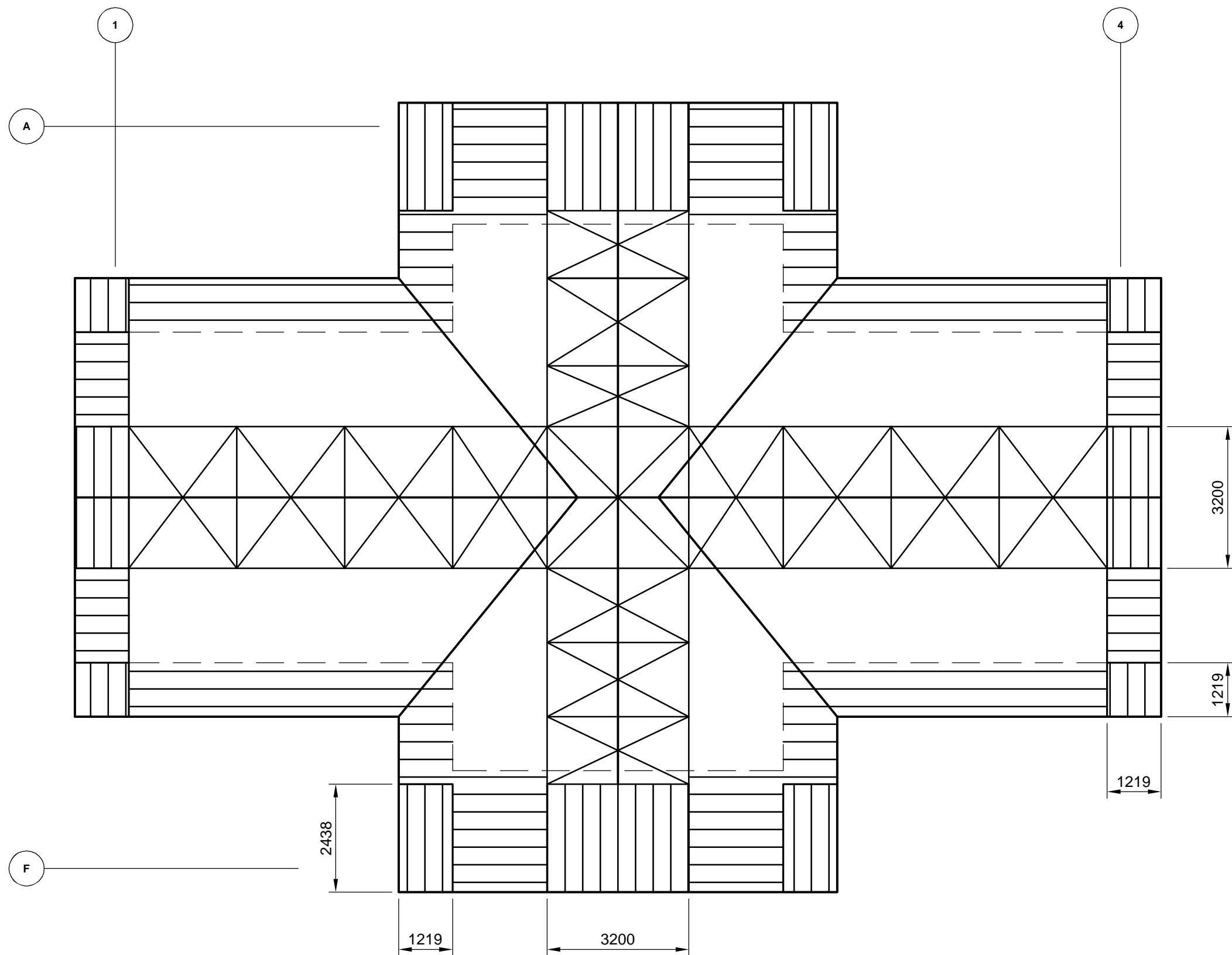
Canada

Project title/Titre du projet  
WHISTLERS CAMPGROUND RECONSTRUCTION IN JASPER NATIONAL PARK

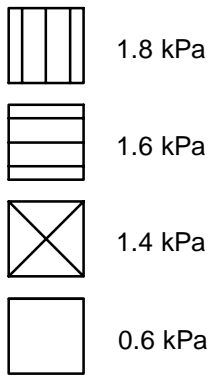
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STRUCTURAL DETAILS

Surveyed by/Arpenté par AECOM	Drawn by/Dessiné par RP	Date 2018/06/26
Designed by/Concept par HB	Reviewed by/Revisé par HB	Scale/Echelle AS SHOWN
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Project No./Nº du projet PRO 727	Asset No./Nº du bien	Sheet No./Nº de la feuille S2 OF S16
Drawing Set No./Nº de série du dessin PRO-727-S-0002		



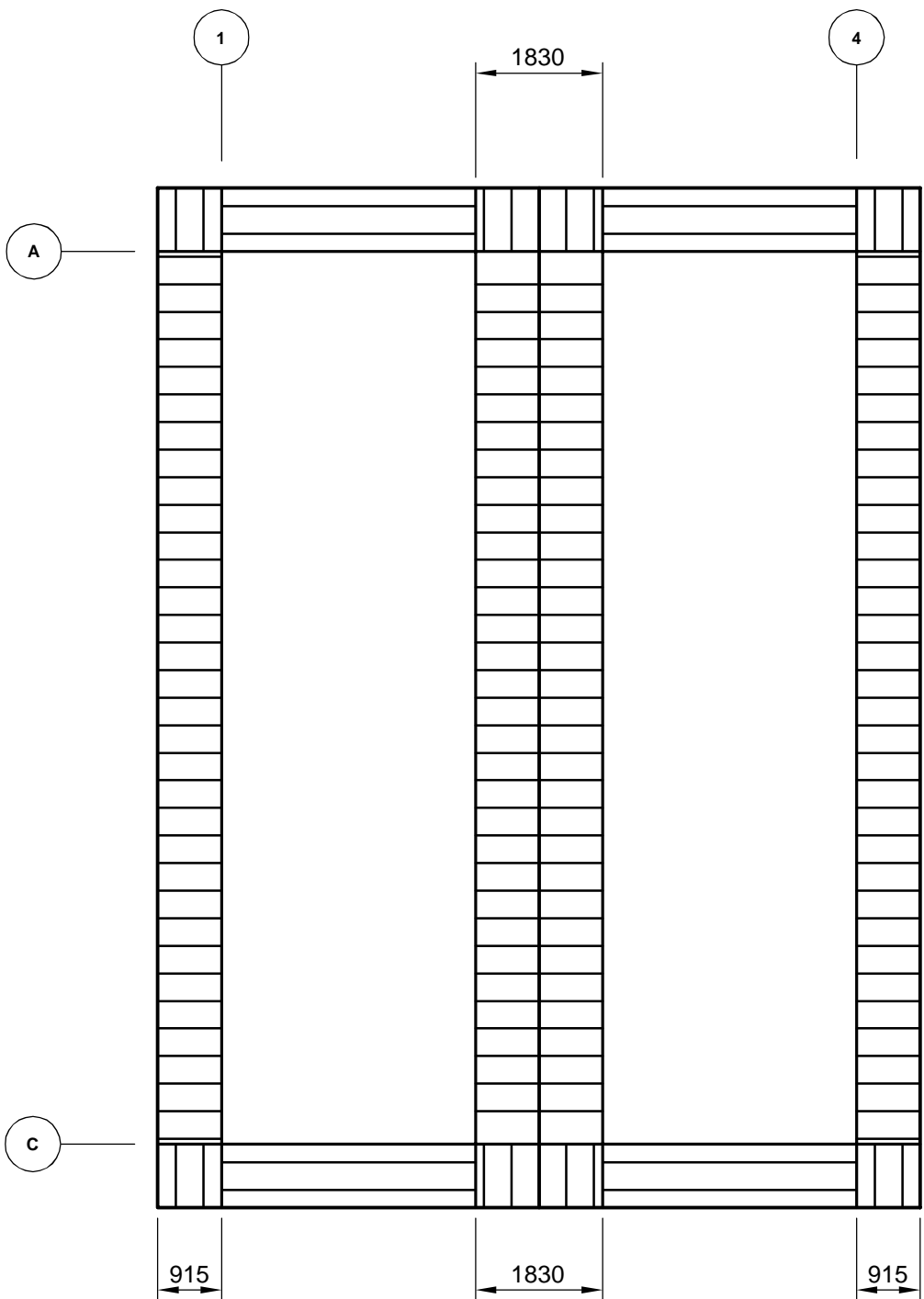


WIND EXTERNAL  
UPLIFT PRESSURE

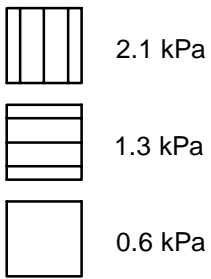


THE VALUES ARE UNFACTORED ULS (ULTIMATE LIMIT STATE) WITH UPLIFT PRESSURES AND DO NOT INCLUDE SUPERIMPOSED DEAD LOADS (SDL) OR SELF-WEIGHT OF THE ROOF STRUCTURE OR INTERNAL WIND PRESSURES

INTERNAL WIND PRESSURE COEFFICIENT  
- 0.7 OR + 0.7 (BOTH REGISTRATION CENTRE AND SHOWER WASHROOMS)

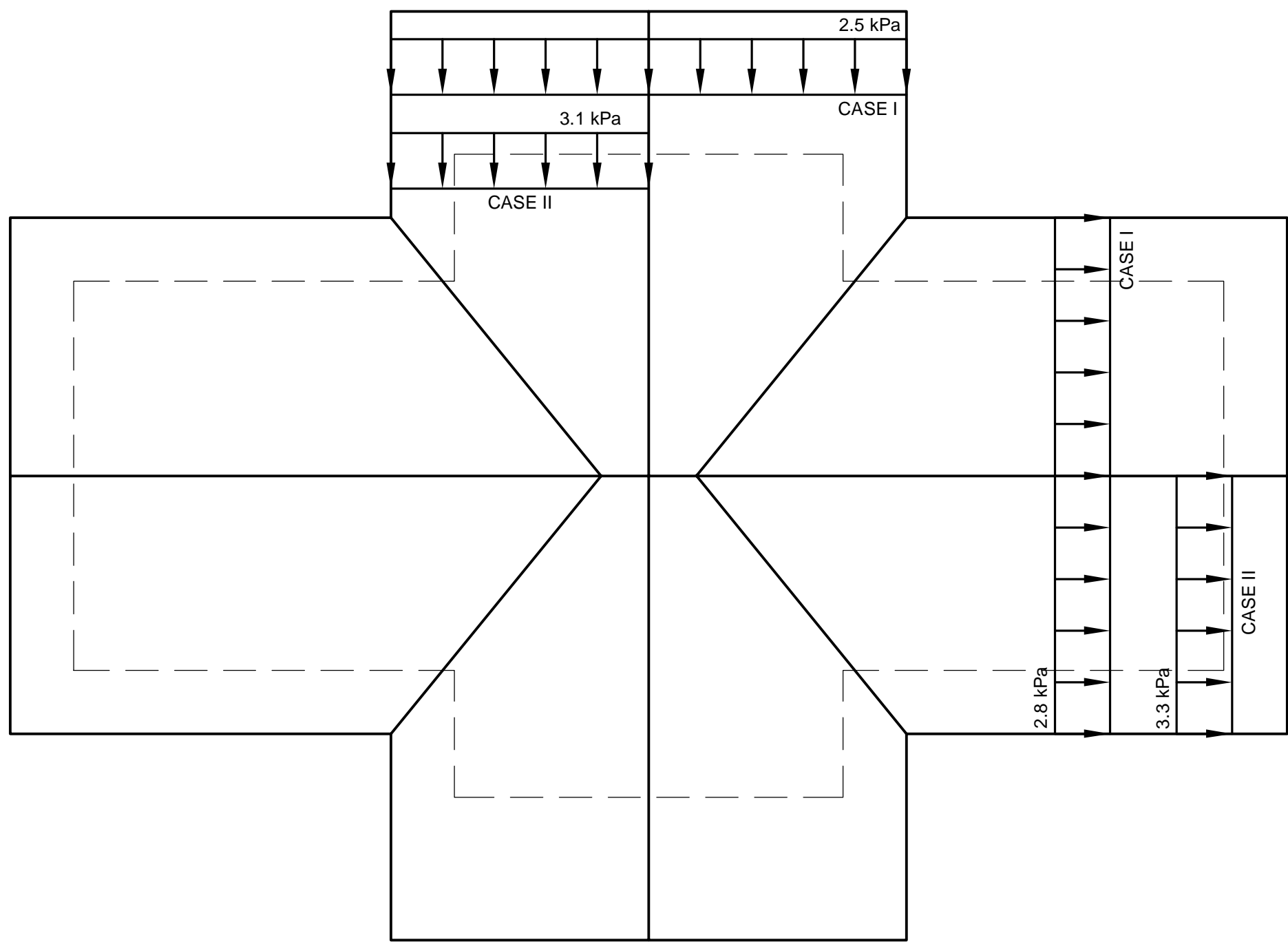


WIND EXTERNAL  
UPLIFT PRESSURE

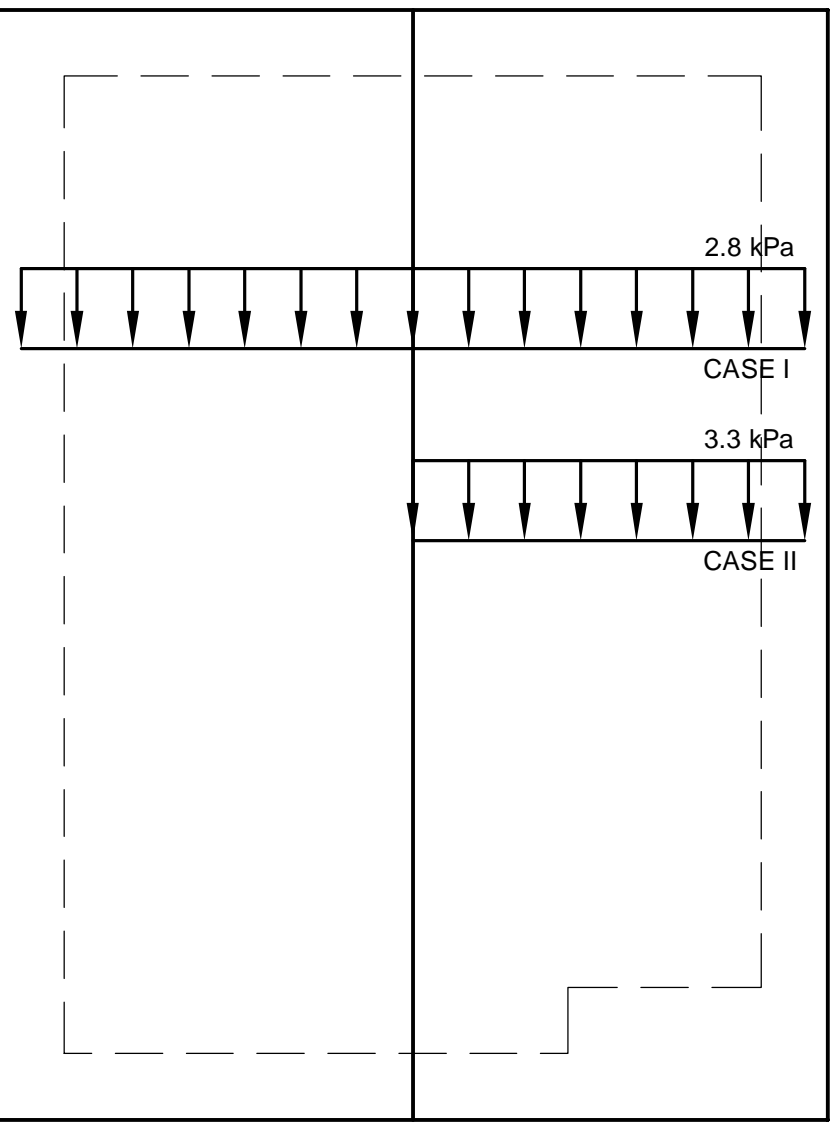


1 REGISTRATION CENTRE  
ROOF WIND UPLIFT DIAGRAM  
N.T.S.

3 SHOWER AND WASHROOM  
ROOF WIND UPLIFT DIAGRAM  
N.T.S.



SNOW LOADS ARE UNFACTORED ULS (ULTIMATE LIMIT STATE) AND DO NOT INCLUDE SUPERIMPOSED DEAD LOADS (SDL) OR SELF-WEIGHT OF THE ROOF STRUCTURE



2 REGISTRATION CENTRE  
ROOF SNOW LOADING DIAGRAM  
Scale N.T.S.

4 SHOWER AND WASHROOM  
ROOF SNOW LOADING DIAGRAM  
Scale N.T.S.



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Revision / Revision	
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A B	A Numéro de détail B Numéro de la feuille
Linear dimensions in millimetres	
Dimensions linéaires en millimètres	

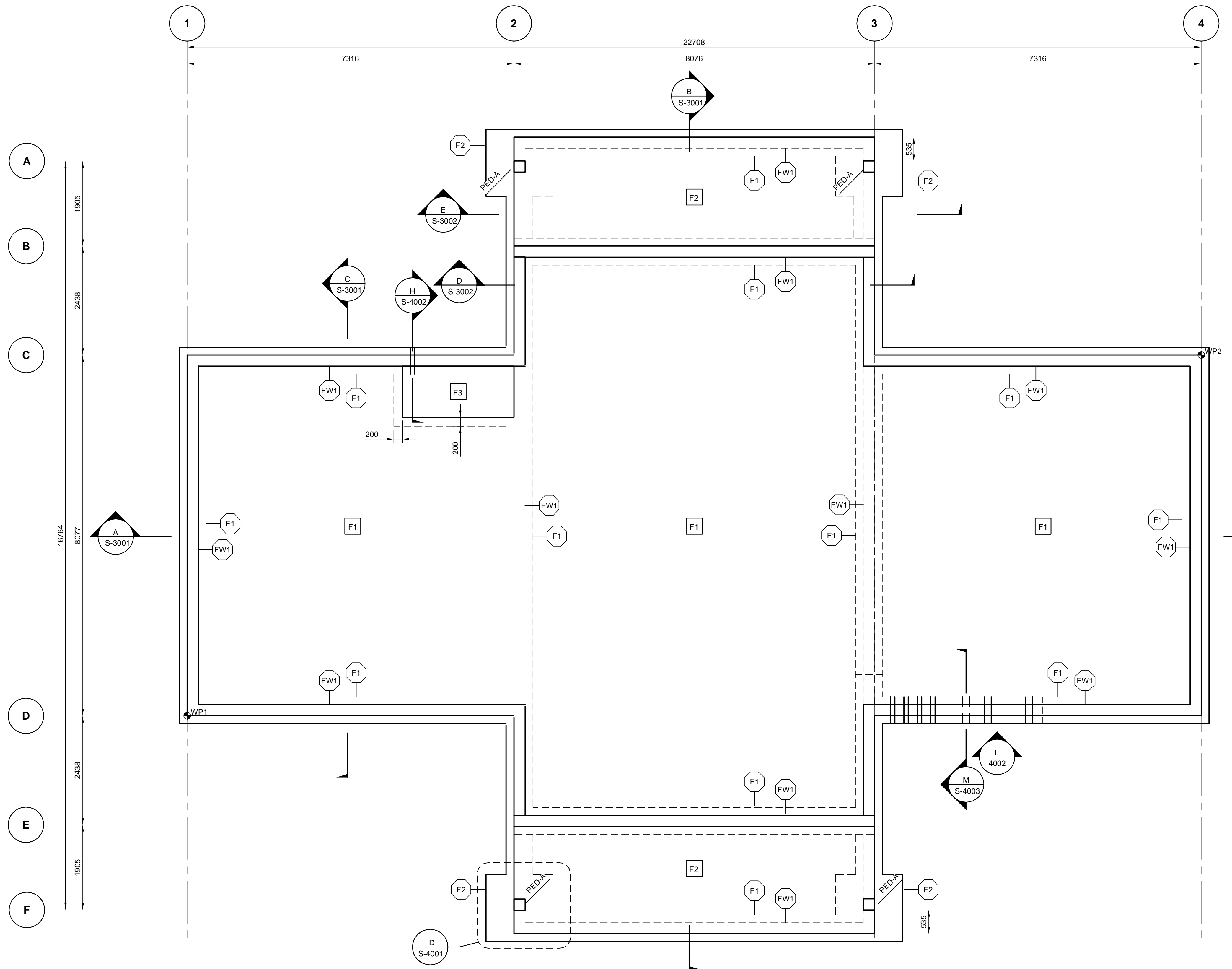
Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
<b>AECOM</b>	

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<b>Canada</b>	

Project title/Titre du projet  
**WHISTLERS CAMPGROUND  
RECONSTRUCTION  
IN  
JASPER NATIONAL PARK**

Drawing title/Titre du dessin  
**STRUCTURAL  
ROOF LOADING  
DIAGRAMS**

Surveyed by/Arpenté par AECOM	Drawn by/Dessiné par RP	Date 2018/06/26
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Drawing Set No./N° de série du dessin PRO-727-S-0003		



# REGISTRATION CENTRE FOUNDATION PLAN

Scale 1:50

FLOOR SCHEDULE	
F1	FLOOR (INTERNAL SLAB) : <ul style="list-style-type: none"><li>- 150 SLAB ON GRADE R/W 15M @ 400 O.C. E.W. MID-HEIGHT</li><li>- POLY VAPOUR BARRIER</li><li>- MIN. 300mm COMPACTED GRANULAR TO 100% SPD.</li><li>- UNDISTURBED GRADE OR STRUCTURAL FILL.</li></ul>
F2	FLOOR (EXTERNAL SLAB) : <ul style="list-style-type: none"><li>- 150 SLAB ON GRADE R/W 15M @ 400 O.C. E.W. MID-HEIGHT</li><li>- 150 VOID FORM</li><li>- POLY VAPOUR BARRIER</li><li>- MIN. 300mm COMPACTED GRANULAR TO 100% SPD.</li><li>- UNDISTURBED GRADE OR STRUCTURAL FILL.</li></ul>
F3	SAFE FLOOR (INTERNAL SLAB) : <ul style="list-style-type: none"><li>- 200 SLAB ON GRADE R/W 15M @ 400 O.C. E.W. MID-HEIGHT</li><li>- ADDITIONAL 15M @ 400 BOTTOM O.C. E.W.</li><li>- 150 VOID FORM</li><li>- POLY VAPOUR BARRIER</li><li>- MIN. 300mm COMPACTED GRANULAR TO 100% SPD.</li><li>- UNDISTURBED GRADE OR STRUCTURAL FILL.</li></ul>

FOUNDATION WALL SCHEDULE			
TAG	DESCRIPTION	VERT. REINF.	HORZ. REINF.
FW1	250 THK CONC. WALL	15M @ 300	15M @ 300 C/W 2-10M TOP

KEYNOTES	
1	SIMPSON STRONG-TIE HOLD DOWN ANCHORS CAST INTO FOUNDATION WALLS. REFER TO SHEAR WALL SCHEDULE AND FRAMING SCHEMATIC ON DRAWING S-1002.

CONCRETE FOOTING SCHEDULE				
TAG	TYPE	SIZE	REINFORCEMENT	REMARKS
F1	STRIP FOOTING	250 x 600	15M @ 300 O.C. C/W 3-15M CONTINUOUS	STRIP FOOTING CONT. BARS TO MAINTAIN CONTINUITY THROUGH PAD FOOTINGS
F2	PAD FOOTING	1500 x 1500 x 500 DEEP	5-15M EACH WAY HOOKED BOTH ENDS	

- CONCRETE FOOTING NOTES:
- FOOTINGS TO BE CAST IN NEAT EXCAVATIONS ON UNDISTURBED SOIL. GEOTECHNICAL ENGINEER TO CONFIRM SOIL PROPERTIES PRIOR TO FOOTING CONSTRUCTION.
  - REFER TO SECTIONS FOR FOUNDATION WALL DETAILS. BUILDING FOUNDATION CONCRETE WALLS TO EXTEND MIN. 150 ABOVE FINISHED GRADE.
  - REFER TO ELECTRICAL FOR LOCATION AND CONDUIT REQUIREMENTS TO BE CAST INTO FLOOR SLAB (DRAWING E1011 SHEET E14 POWER & AUX PLAN)



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Detail number Sheet number	A Numéro de detail B Numéro de la feuille
Linear dimensions in millimetres	Dimensions linéaires en millimètres

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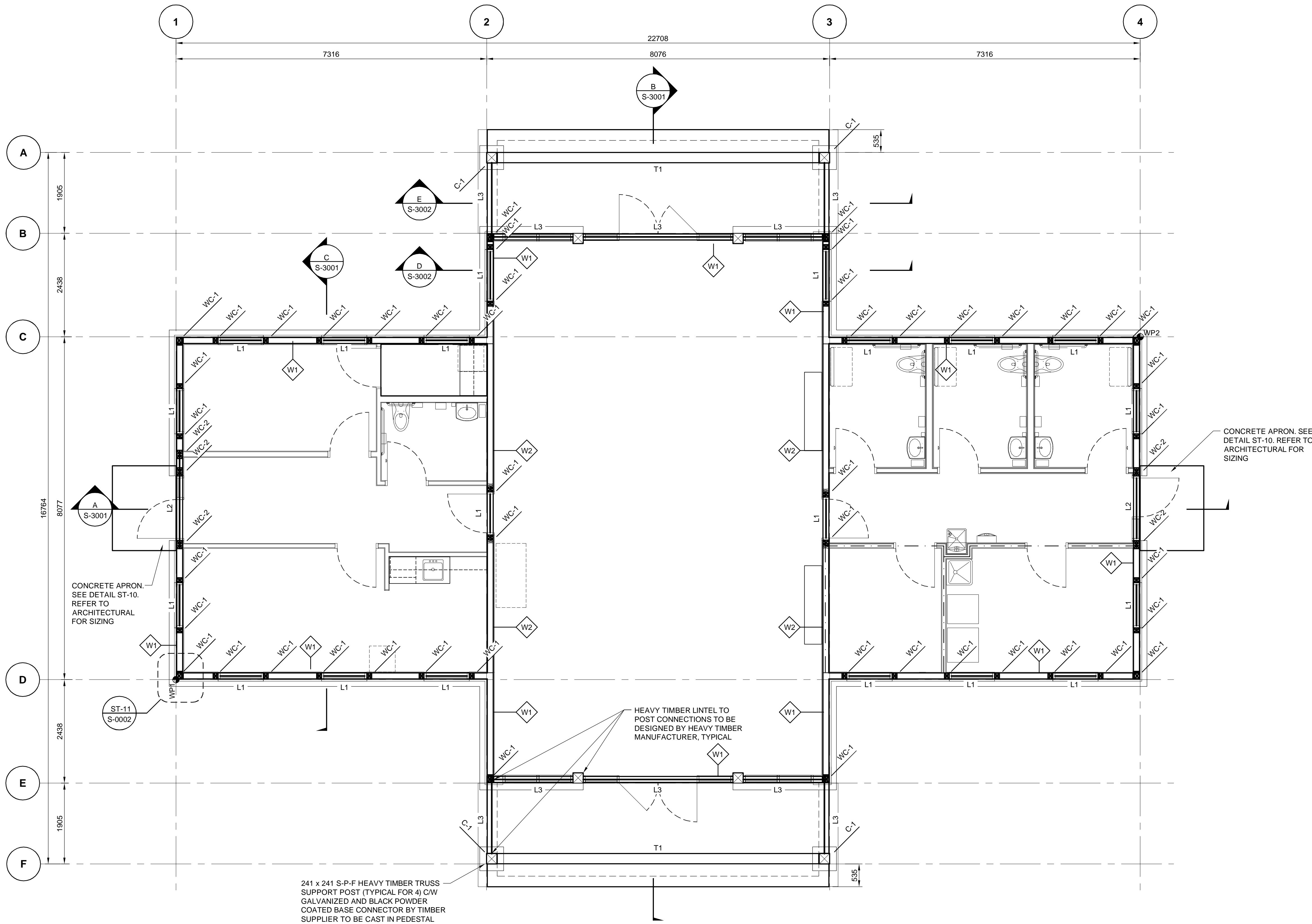
## WHISTLERS CAMPGROUND RECONSTRUCTION IN JASPER NATIONAL PARK

### STRUCTURAL REGISTRATION CENTRE FOUNDATION PLAN

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Project No./Nº du projet PRO 727		Asset No./Nº du bien
Drawing Set No./Nº de série du dessin PRO-727-S-1001		Sheet No./ Nº de la feuille <b>S4</b> OF 516



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## REGISTRATION CENTRE FLOOR PLAN

Scale 1:50

### SHEAR WALL SCHEDULE

- W1 38x140 STUD WALL (TYP.):  
- EXTERIOR FINISH SEE ELEVATION  
- AIR BARRIER  
- 16 PLYWOOD SHEATHING  
- 38x140 STUDS @ 406 O.C. C/W R22 BATT INSULATION  
- 6mil POLY VAPOUR BARRIER  
- 16 PLYWOOD INTERIOR  
- 16 GYPSUM BOARD FINISH SEE ARCHITECTURAL
- W2 38x140 STUD WALL (TYP.):  
- 16 GYPSUM BOARD  
- 16 PLYWOOD SHEATHING  
- 38x140 STUDS @ 406 O.C.  
- 16 GYPSUM BOARD FINISH SEE ARCHITECTURAL

### PLYWOOD SHEATHING NOTES

- ALL PLYWOOD CEILING SHEATHING TO BE NAILED AT 150 O.C. AT ALL SUPPORTS AND PANEL EDGES. NAILS TO BE 3.25mm DIAx65mm LONG.
- ALL PLYWOOD ROOF SHEATHING TO USE H-CLIPS, 2 PER EDGE BEING JOINED MINIMUM AND BE NAILED AT 150 O.C. AT ALL SUPPORTS AND PANEL EDGES. NAILS TO BE 3.25mm DIAx65mm LONG.
- ALL PLYWOOD SHEATHING PANEL EDGES NOT SUPPORTED ON FRAMING SHALL BE NAILED TO BLOCKING. BLOCKING TO MATCH STUD SIZE. ADJACENT PANELS SHALL BE NAILED TO THE SAME PIECE OF BLOCKING.
- REFER TO ARCHITECTURAL FOR INTERIOR STUD WALLS.
- CONNECTIONS TO BE DESIGNED BY TIMBER FRAMED BUILDING SUPPLIER.

### BUILT-UP STUD COLUMN SCHEDULE

MARK	SIZE	REMARKS
WC-1	3-38x140	2 KING STUDS + 1 JACK STUD
WC-2	5-38x140	2 KING STUDS + 3 JACK STUDS

### LINTEL SCHEDULE

TYPE	DESCRIPTION
L1	3 PLY 38x184
L2	3 PLY 44x241 1.9E LVL
L3	241 X 241 S-P-F

### ANCHORS

- ① SIMPSON STRONG-TIE HOLD DOWN ANCHORS CAST INTO FOUNDATION WALLS.  
OR EXPANSION ANCHORS SEE TYPICAL DETAIL ST-06

### TIMBER SCHEDULE

TYPE	DESCRIPTION
T1	HEAVY TIMBER CANOPY SUPPORT TRUSS DESIGNED BY MANUFACTURER. SEE DRAWING S-0003 FOR LOADING AND A-2001 FOR ELEVATION
C1	HEAVY TIMBER CANOPY SUPPORT POST ASSUMED 241x241 S-P-F MINIMUM SIZE POST TO BE DESIGNED BY MANUFACTURER

CONCRETE APRON. SEE  
DETAIL ST-10. REFER TO  
ARCHITECTURAL FOR  
SIZING

HEAVY TIMBER LINTEL TO  
POST CONNECTIONS TO BE  
DESIGNED BY HEAVY TIMBER  
MANUFACTURER, TYPICAL

241 x 241 S-P-F HEAVY TIMBER TRUSS  
SUPPORT POST (TYPICAL FOR 4) C/W  
GALVANIZED AND BLACK POWDER  
COATED BASE CONNECTOR BY TIMBER  
SUPPLIER TO BE CAST IN PEDESTAL



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Project title/Titre du projet  
**WHISTLERS CAMPGROUND  
RECONSTRUCTION  
IN  
JASPER NATIONAL PARK**

Drawing title/Titre du dessin

**STRUCTURAL  
REGISTRATION CENTRE  
FLOOR PLAN**

Surveyed by/Arpenté par  
AECOM

Drawn by/Dessiné par  
RP

Date  
2018/06/26

Designed by/Concept par  
HB

Reviewed by/Revisé par  
HB

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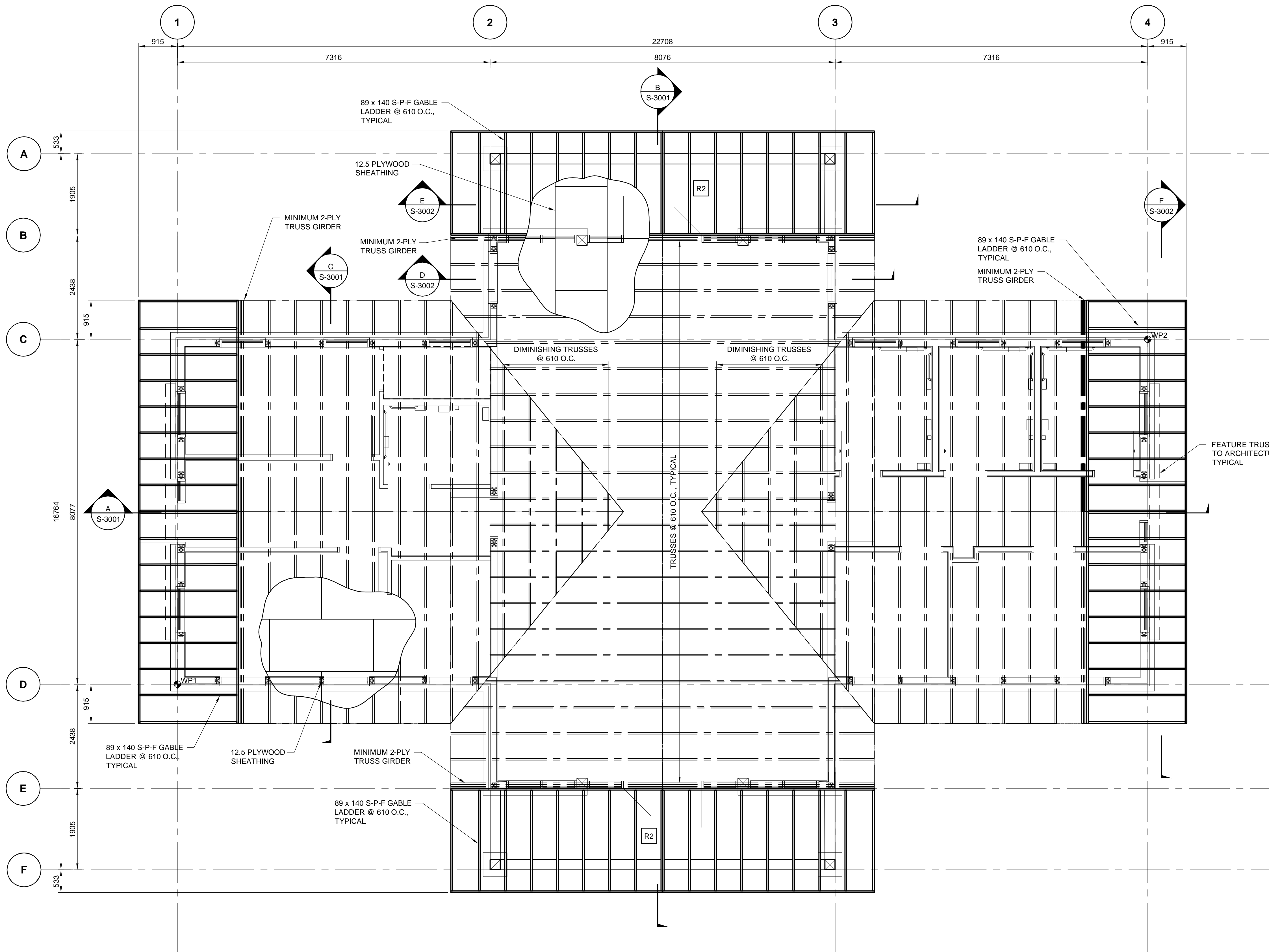
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PRO 727

Asset No./Nº du bien

Sheet No./  
Nº de la feuille

Drawing Set No./Nº de série du dessin  
**PRO-727-S-1002**

**S5**  
OF S16



**REGISTRATION CENTRE  
ROOF FRAMING PLAN**

Scale 1:50

FOR ENVIRONMENTAL LOADS SEE  
DRAWING S-0001. FOR STRUCTURAL  
ROOF LOADING DIAGRAMS SEE  
DRAWING S-0003.

**ROOF SCHEDULE**

- R1** ROOF:
- 50 YEAR METAL ROOF, CONFIRM COLOUR WITH DEPARTMENT REPRESENTATIVE
  - 12.5 PLYWOOD SHEATHING C/W H-CLIPS
  - PRE-ENG WOOD TRUSSES @ 600 O.C.
  - R40 INSULATION
  - 6mil POLY VAPOUR BARRIER
  - 12.5 PLYWOOD SHEATHING C/W H-CLIPS
  - 12.5 DRYWALL SEE ARCHITECTURAL FOR FINISH
- R2** CANOPY:
- 50 YEAR METAL ROOF SHAKES, CONFIRM COLOUR WITH DEPARTMENT REPRESENTATIVE
  - 12.5 PLYWOOD SHEATHING C/W H-CLIPS
  - 89x140 S-P-F GABLE LADDER @610 O.C. MAX
  - 6mil POLY VAPOUR BARRIER
  - 12.5 PLYWOOD SHEATHING C/W H-CLIPS
  - 12.5 DRYWALL
  - SEE ARCHITECTURAL FOR FINISH

**PLYWOOD SHEATHING NOTES**

1. ALL PLYWOOD CEILING SHEATHING TO BE NAILED AT 150 O.C. AT ALL SUPPORTS AND PANEL EDGES. NAILS TO BE 3.25mm DIAx65mm LONG.
2. ALL PLYWOOD ROOF SHEATHING TO USE H-CLIPS, 2 PER EDGE BEING JOINED MINIMUM AND BE NAILED AT 150 O.C. AT ALL SUPPORTS AND PANEL EDGES. NAILS TO BE 3.25mm DIAx65mm LONG.
3. ALL PLYWOOD SHEATHING PANEL EDGES NOT SUPPORTED ON FRAMING SHALL BE NAILED TO BLOCKING. BLOCKING TO MATCH STUD SIZE. ADJACENT PANELS SHALL BE NAILED TO THE SAME PIECE OF BLOCKING.
4. REFER TO ARCHITECTURAL FOR INTERIOR STUD WALLS.
5. CONNECTIONS TO BE DESIGNED BY TIMBER FRAMED BUILDING SUPPLIER.

**TRUSS SCHEDULE**

TYPE	DESCRIPTION
T1	PRE-ENG WOOD TRUSS @ 600 O.C. SEE SECTION

REFER TO MECHANICAL DRAWINGS M-2001, M-9001, AND M-9002 FOR LOCATION AND WEIGHTS OF MECHANICAL UNITS AND DUCTS TO BE HUNG FROM ROOF TRUSSES.



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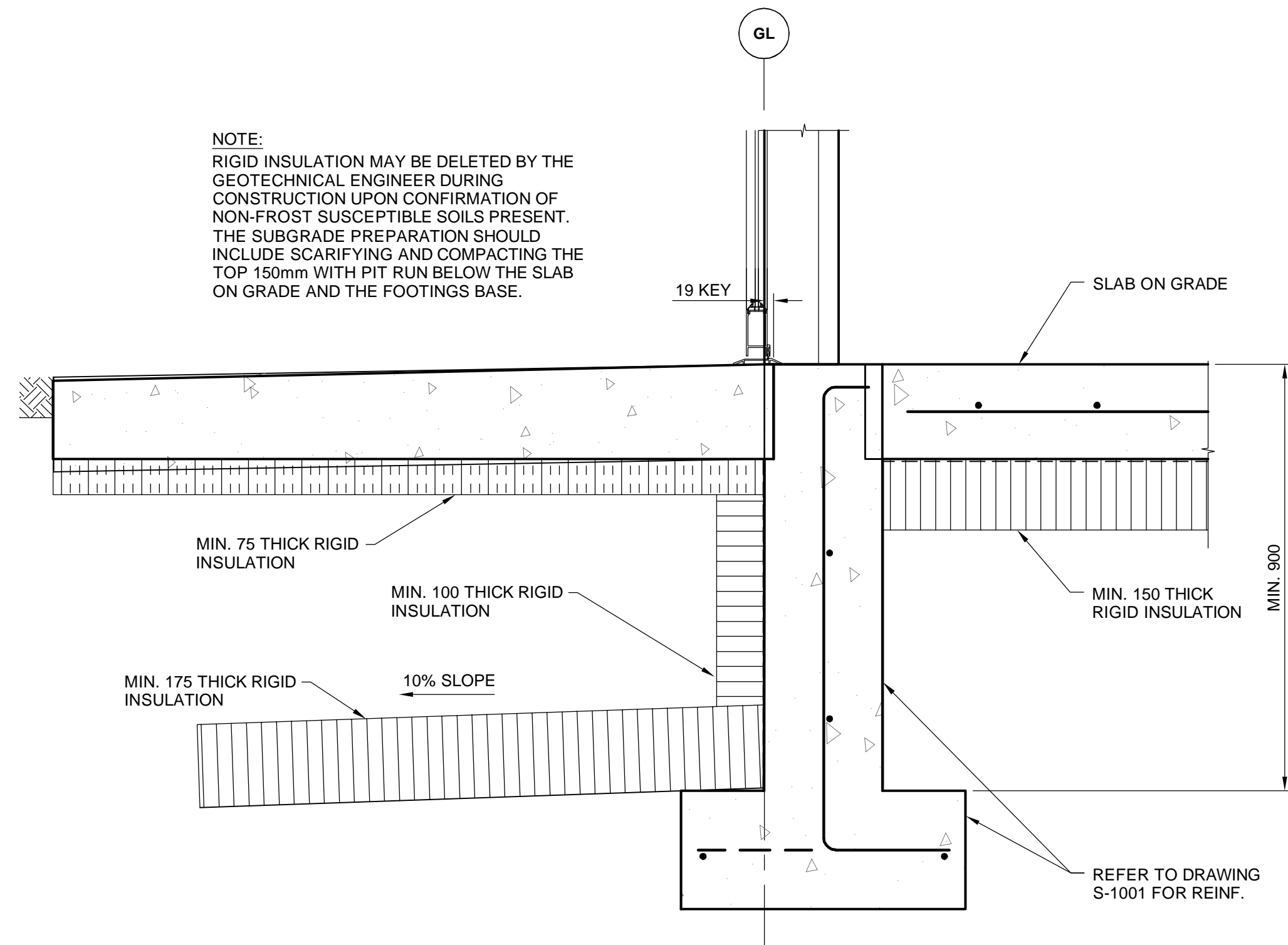
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Project title/Titre du projet  
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RECONSTRUCTION  
IN  
JASPER NATIONAL PARK**

Drawing title/Titre du dessin  
**STRUCTURAL  
REGISTRATION CENTRE  
ROOF PLAN**

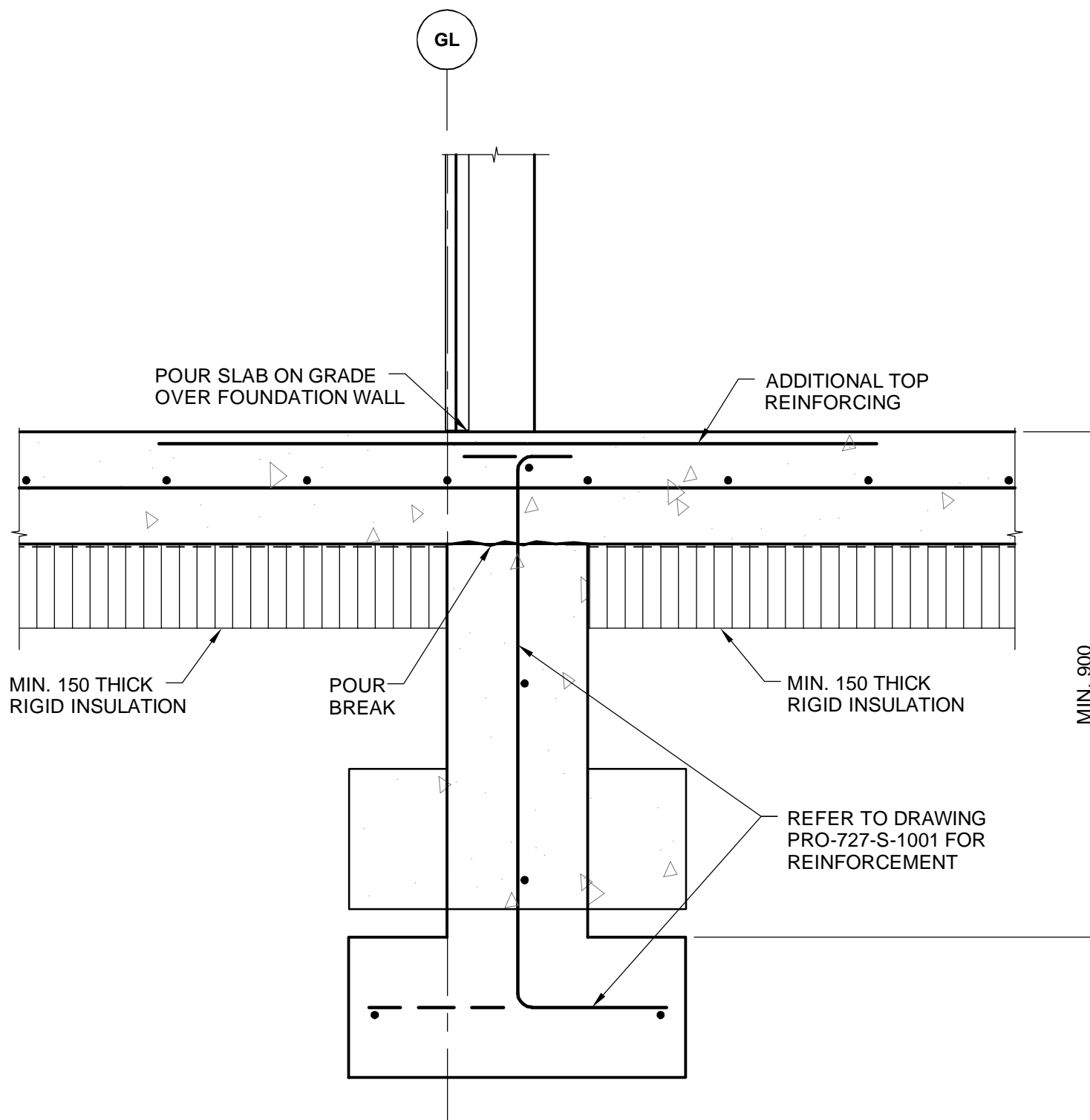
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Drawing Set No./N° de série du dessin PRO-727-S-1003		





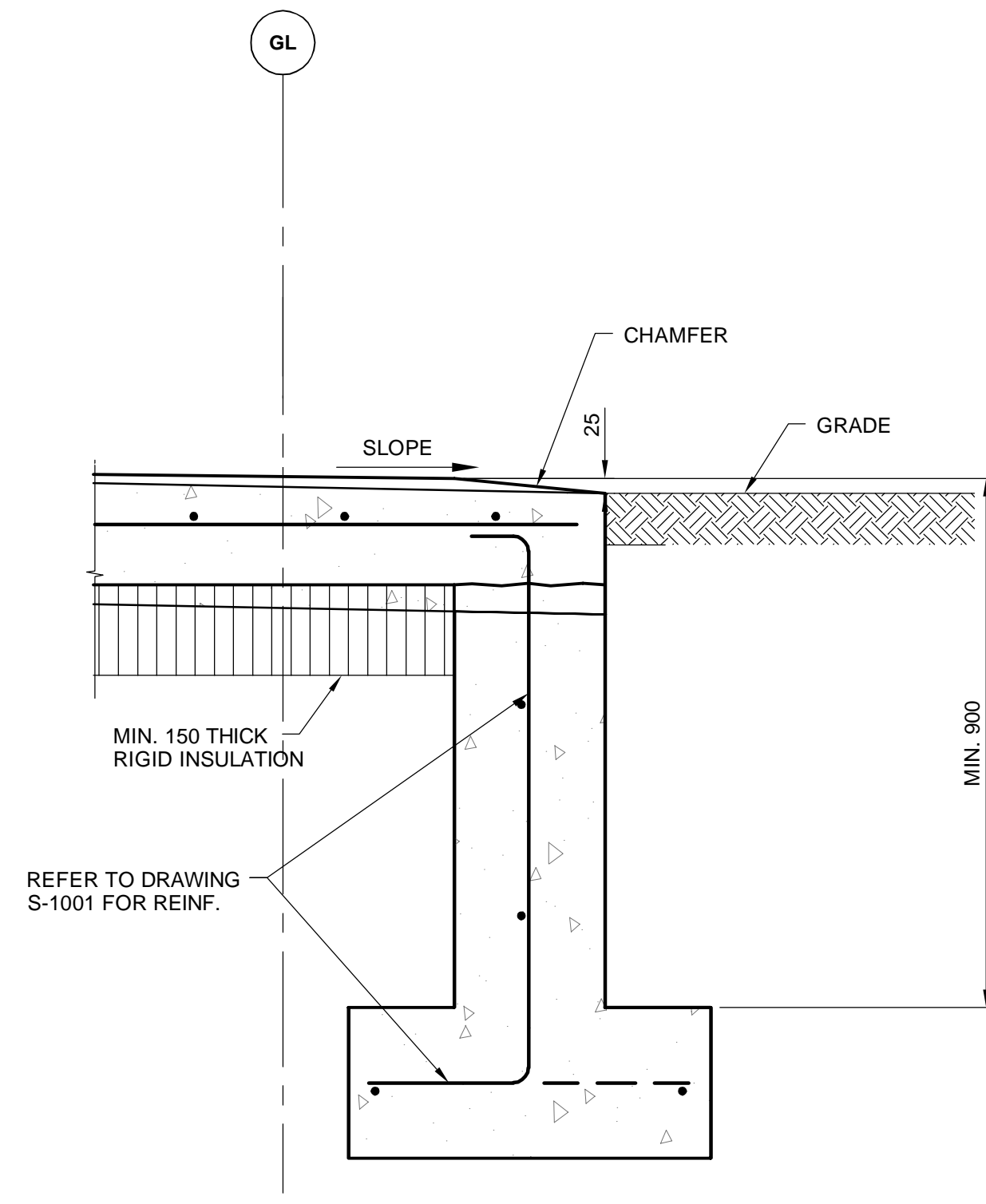
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S-3001 Scale 1:10



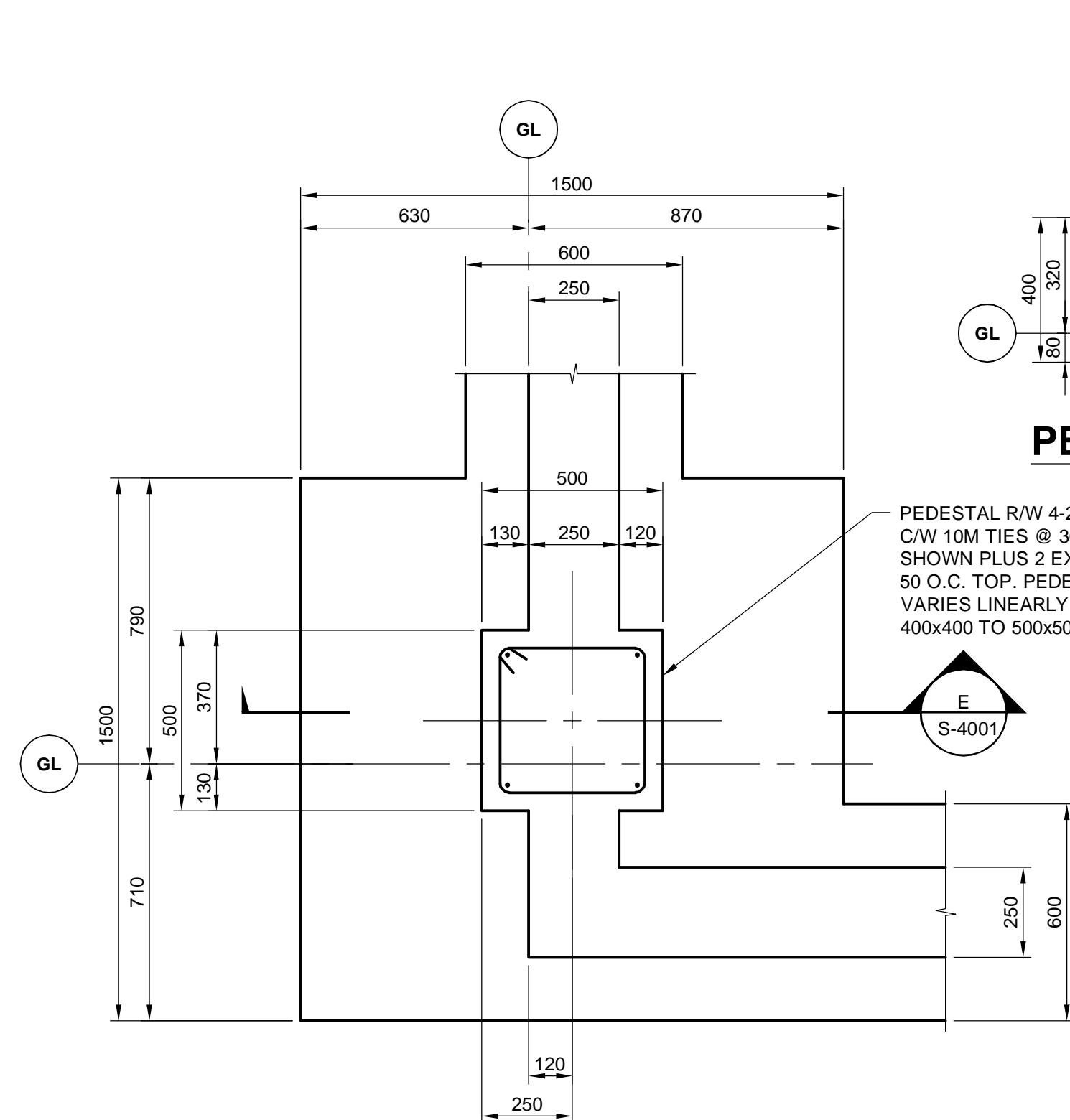
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S-3001 Scale 1:10



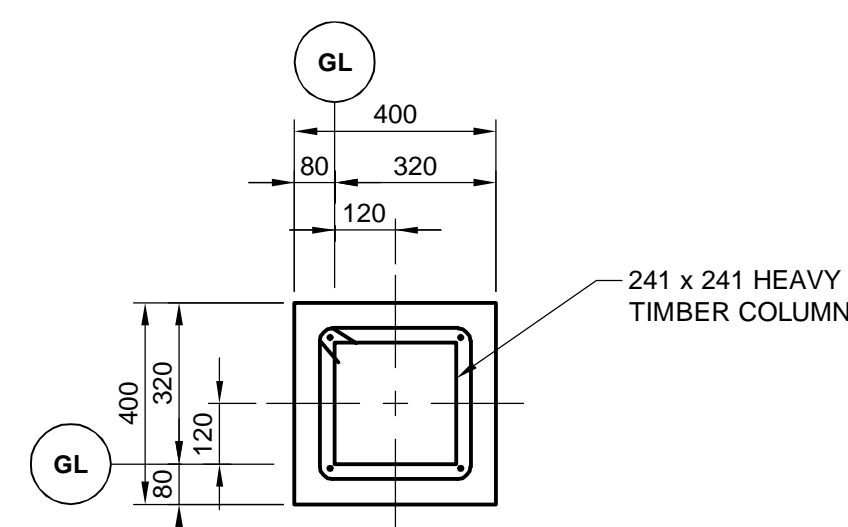
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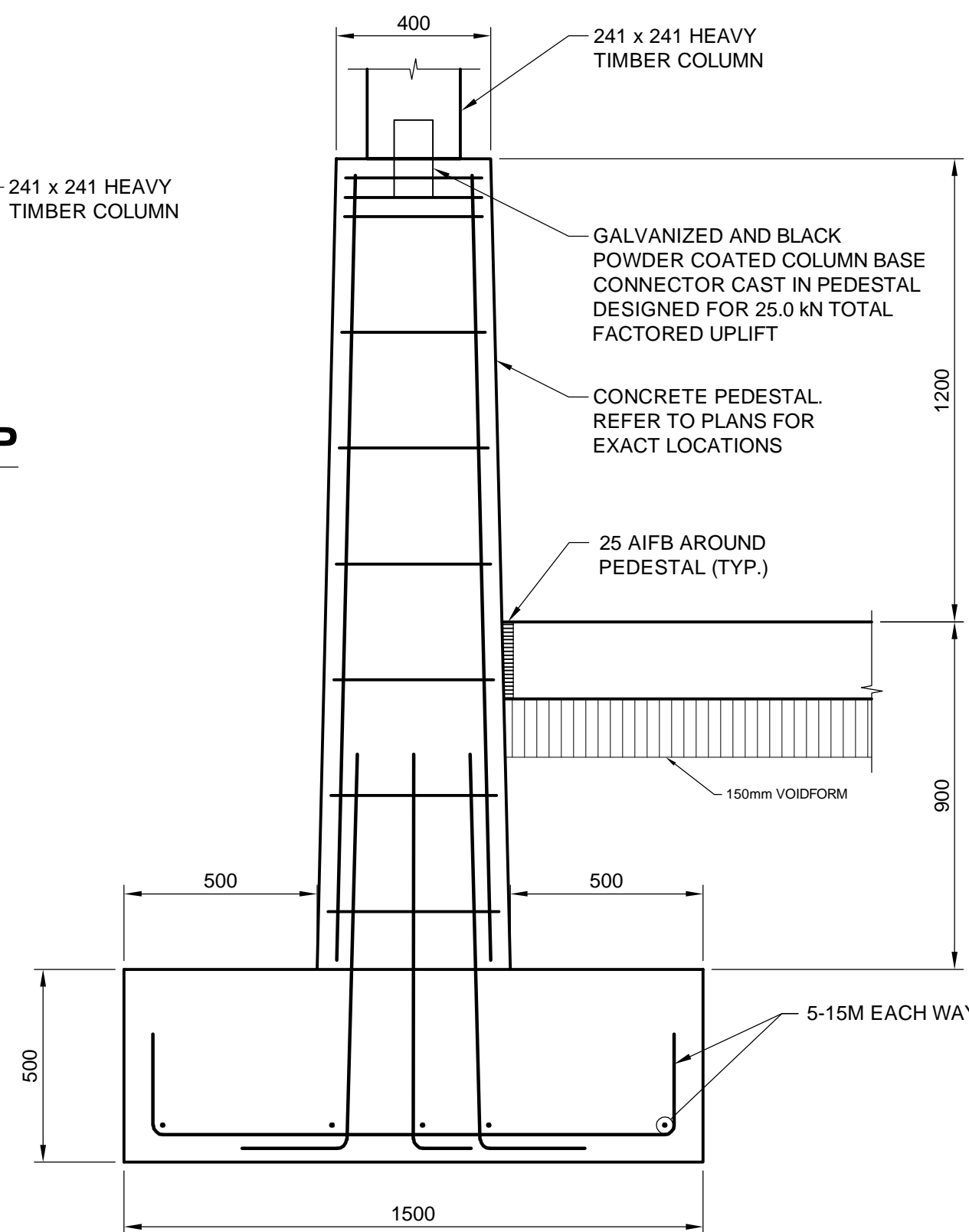


**D PEDESTAL 'A' PLAN DETAIL**

S-1001 Scale 1:15

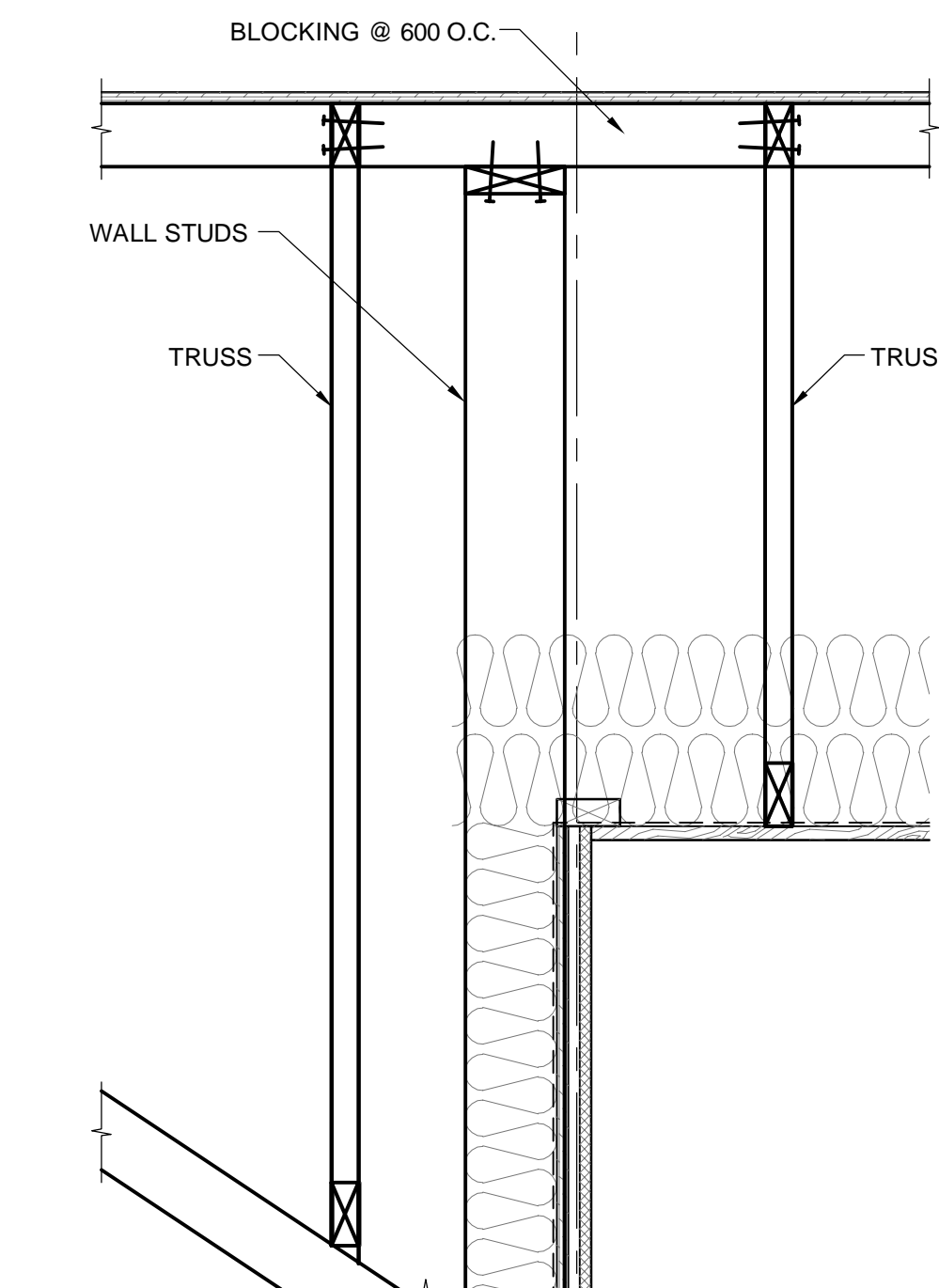


**PEDESTAL 'A' TOP**



**E PEDESTAL 'A' SECTION DETAIL**

S-4001 Scale 1:15



**F SECTION DETAIL**

S-3001 Scale 1:10



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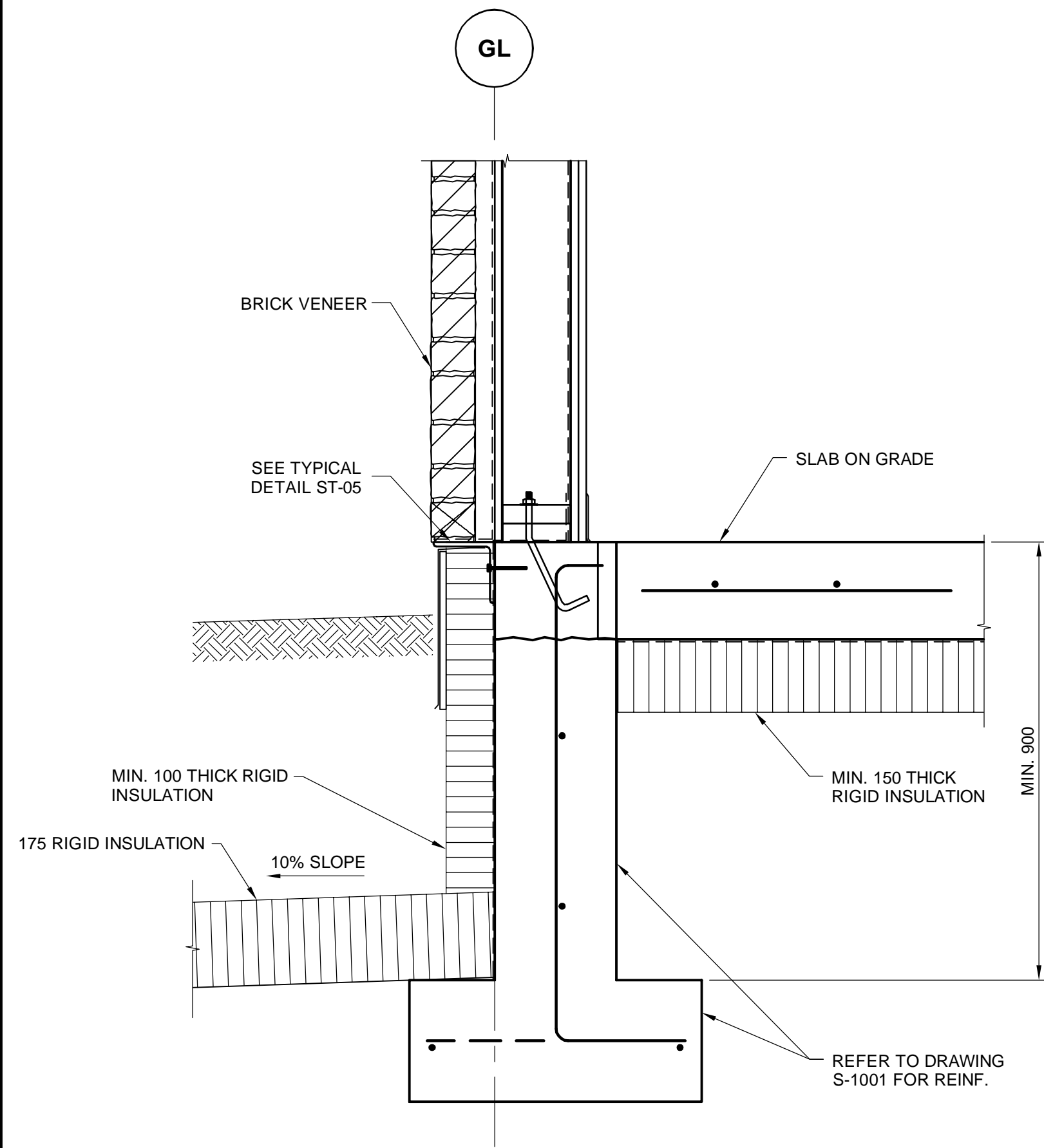
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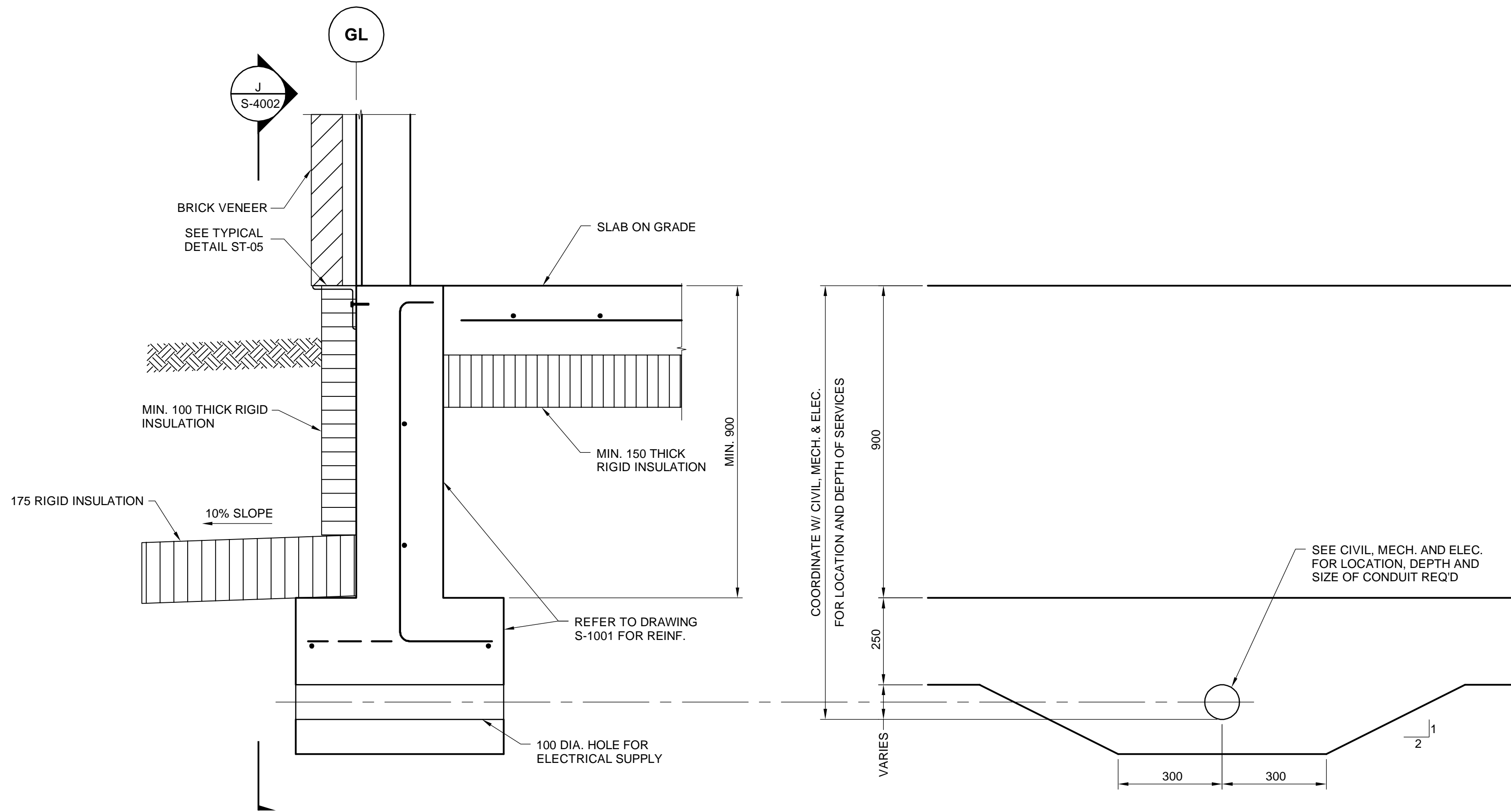
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REGISTRATION CENTRE  
SECTION DETAILS**

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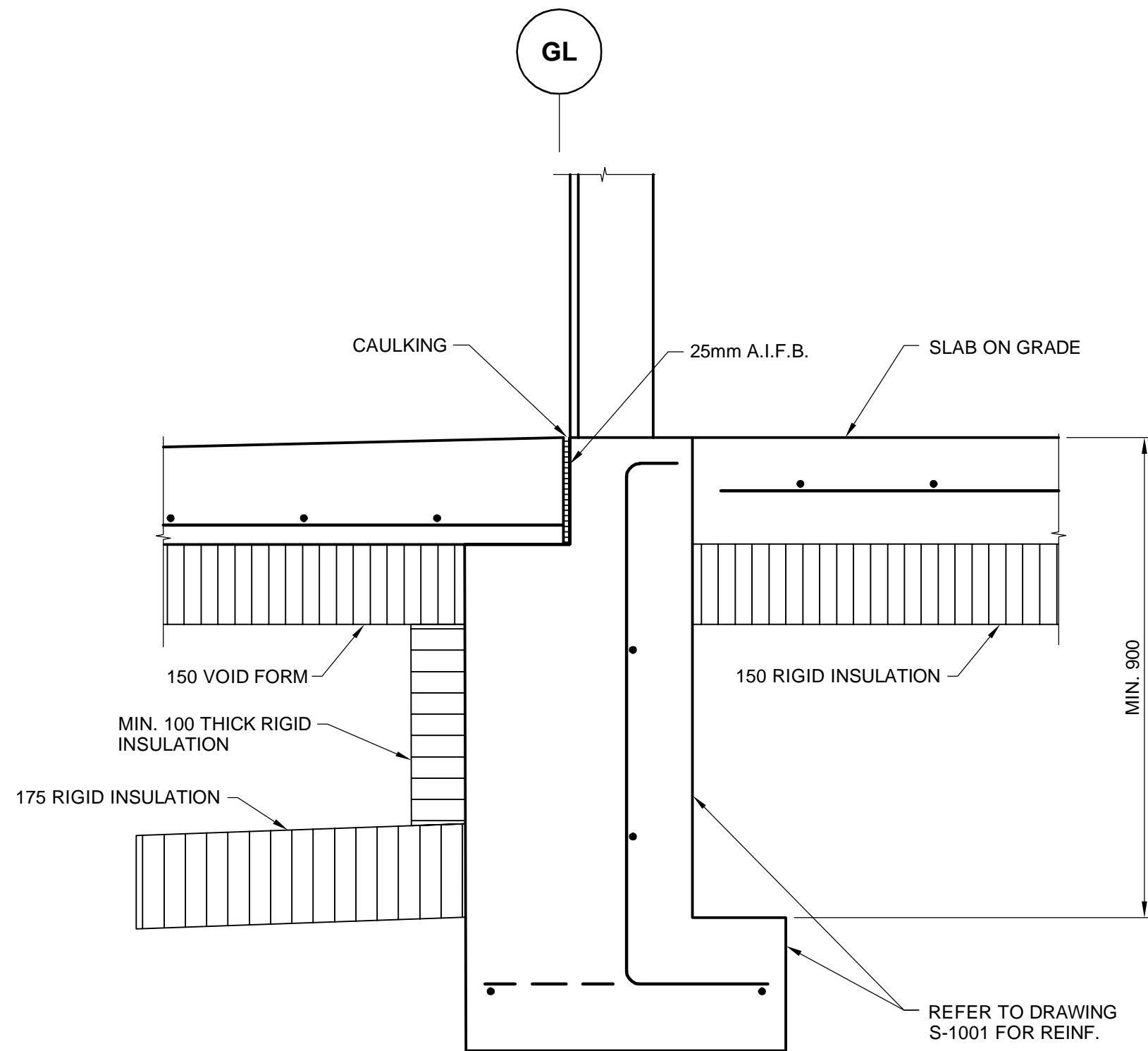


**G** SECTION DETAIL  
S-3001 Scale 1:10

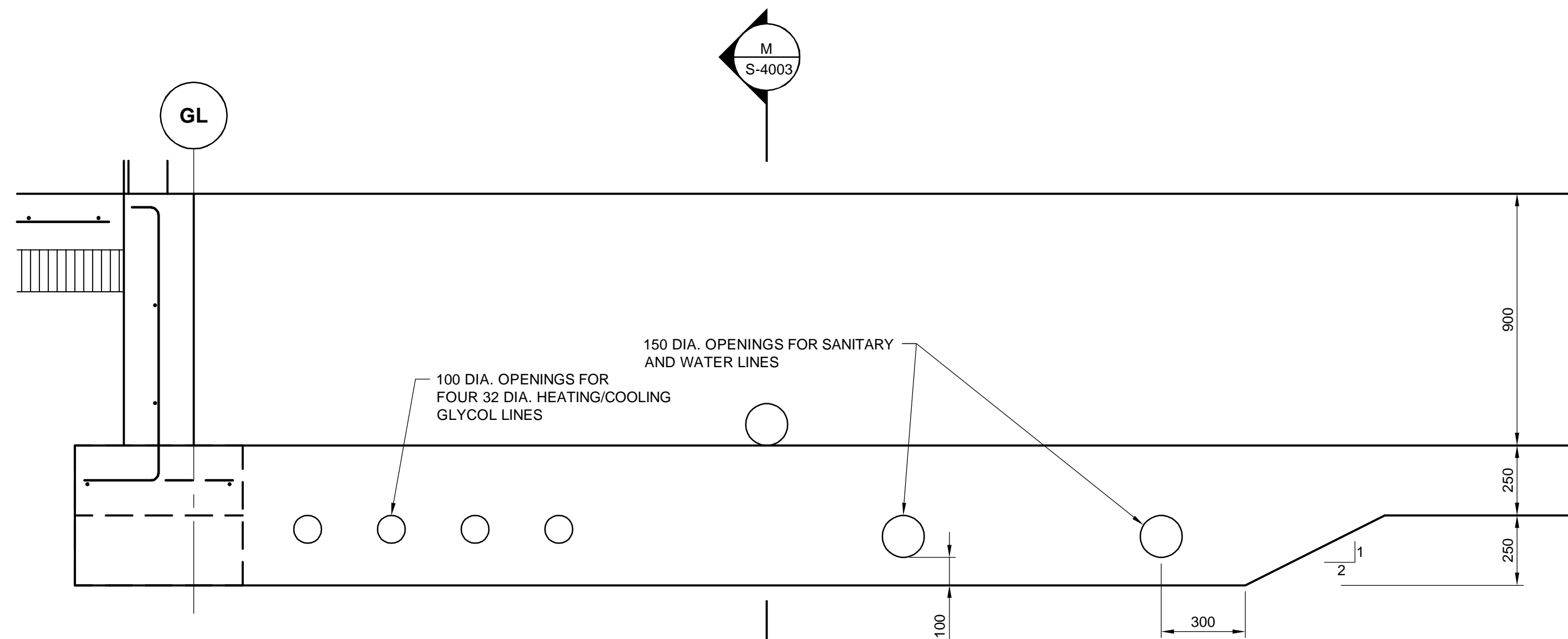


**H** SECTION DETAIL  
S-1001 Scale 1:10

**J** SECTION DETAIL  
S-4002 Scale 1:10



**K** SECTION DETAIL  
S-3001 Scale 1:10



**L** ELEVATION DETAIL  
S-1001 Scale 1:15

REFER TO ELECTRICAL AND MECHANICAL FOR LOCATION AND REQUIREMENTS FOR CONDUITS AND SERVICE LINES



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Asset Management  
Western and Northern Region

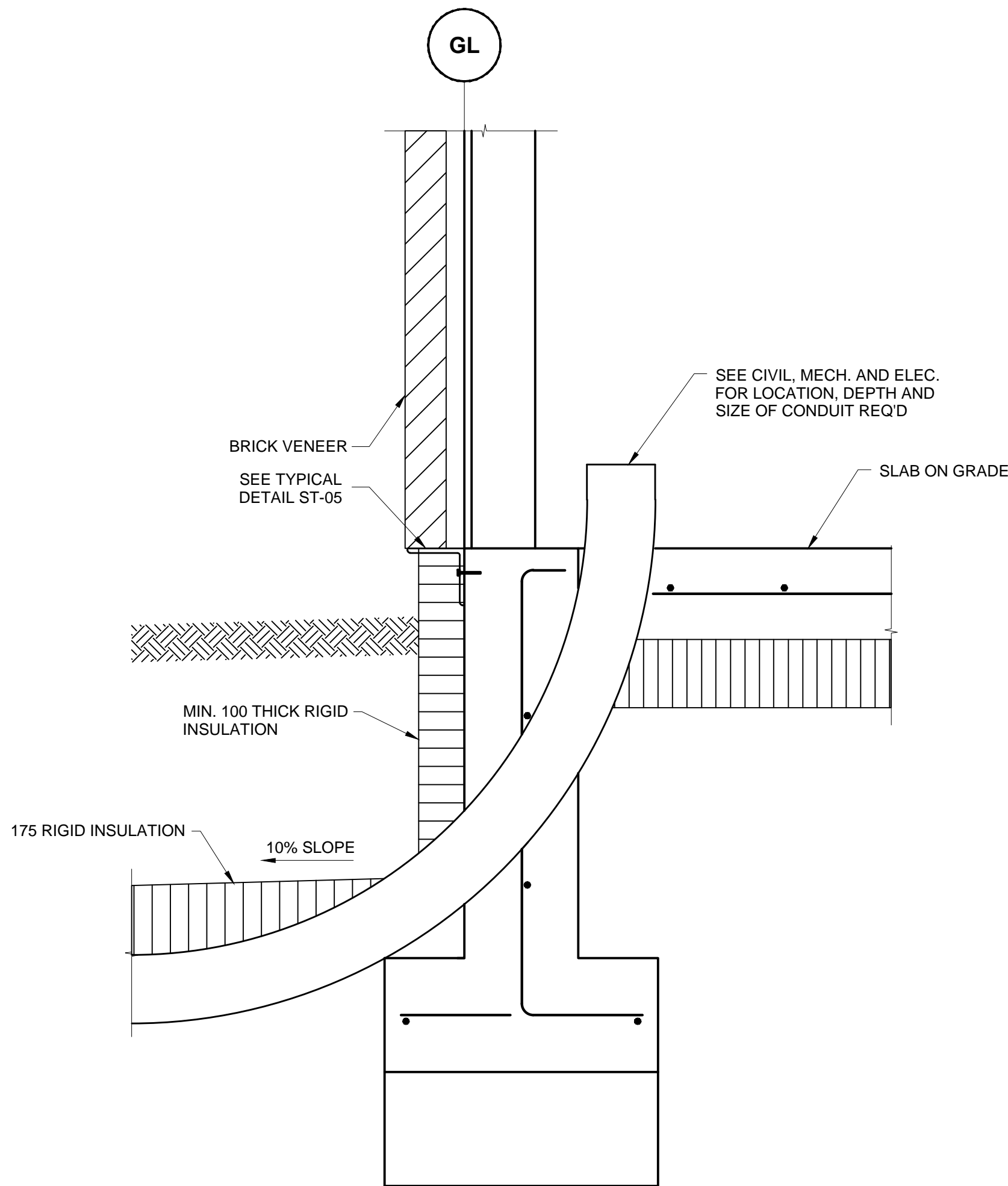
Parcs Canada  
Gestion des biens  
Région de l'Ouest et du Nord

**Canada**

Project title/Titre du projet  
**WHISTLERS CAMPGROUND RECONSTRUCTION IN JASPER NATIONAL PARK**

Drawing title/Titre du dessin  
**STRUCTURAL REGISTRATION CENTRE SECTION DETAILS**

Surveyed by/Arpenté par AECOM	Drawn by/Dessiné par RP	Date 2018/11/29
Designed by/Concept par HB	Reviewed by/Revisé par HB	Scale/Echelle AS SHOWN
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Project No./Nº du projet PRO 727		Sheet No./Nº de la feuille S14 OF S16
Drawing Set No./Nº de série du dessin PRO-727-S-4002		



**M | SECTION DETAIL**  
S-1001 Scale 1:10



PERMIT TO PRACTICE  
AECOM CANADA LTD.  
Signature: *[Signature]*  
Date: *July 3, 2019*  
PERMIT NUMBER: P 10450  
The Association of Professional  
Engineers and Geoscientists of Alberta

0	19.07.03	ISSUED FOR CONSTRUCTION	DB	NC
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision	
<div><div>A</div><div>B</div></div>	Detail number Sheet number A Numéro de détail B Numéro de la feuille
Linear dimensions in millimetres Dimensions linéaires en millimètres	

Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
<b>AECOM</b>	



Parks Canada  
Asset Management  
Western and  
Northern  
Region

Parcs Canada  
Gestion des biens  
Région de l'Ouest et  
du Nord

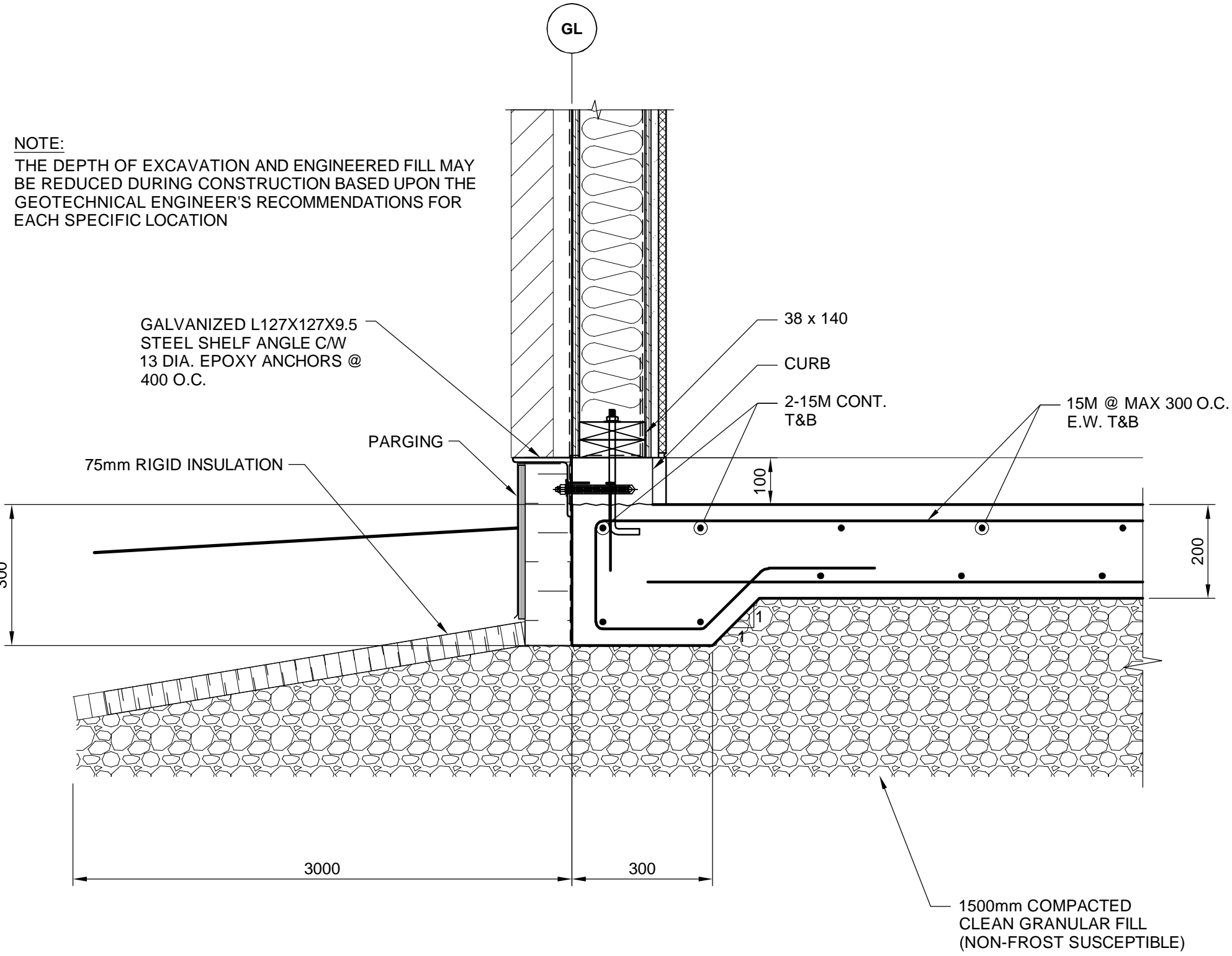
**Canada**

Project title/Titre du projet  
**WHISTLERS CAMPGROUND  
RECONSTRUCTION  
IN  
JASPER NATIONAL PARK**

Drawing title/Titre du dessin  
**STRUCTURAL  
REGISTRATION CENTRE  
SECTION DETAILS**

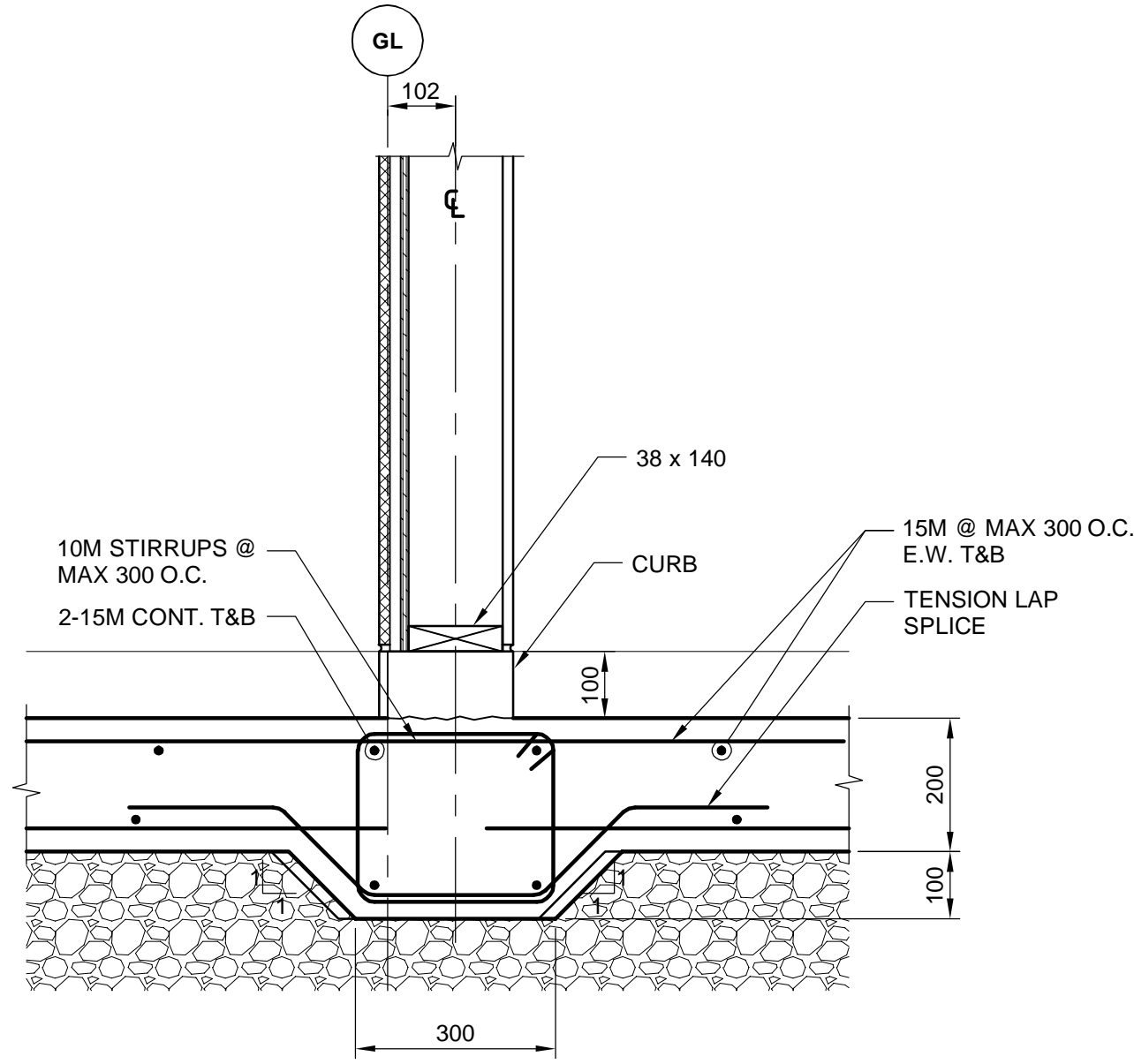
Surveyed by/Arpenté par AECOM	Drawn by/Dessiné par RP	Date 2018/06/26
Designed by/Concept par HB	Reviewed by/Revisé par HB	Scale/Échelle AS SHOWN
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet PRO 727	Asset No./Nº du bien	Sheet No./ Nº de la feuille
Drawing Set No./Nº de série du dessin PRO-727-S-4003		<b>S15</b> OF S16





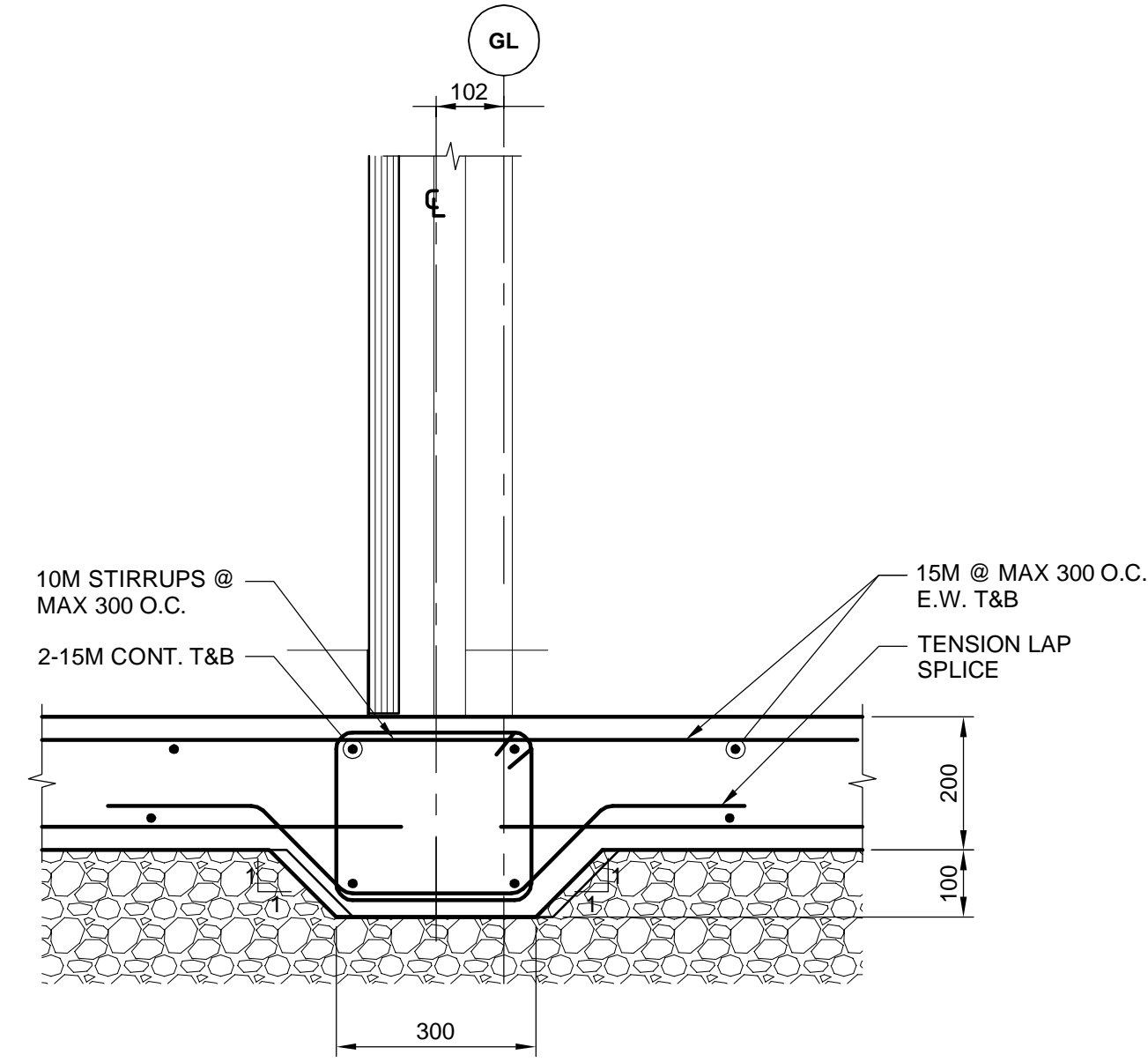
**A SECTION DETAIL**

S-3101 Scale 1:10



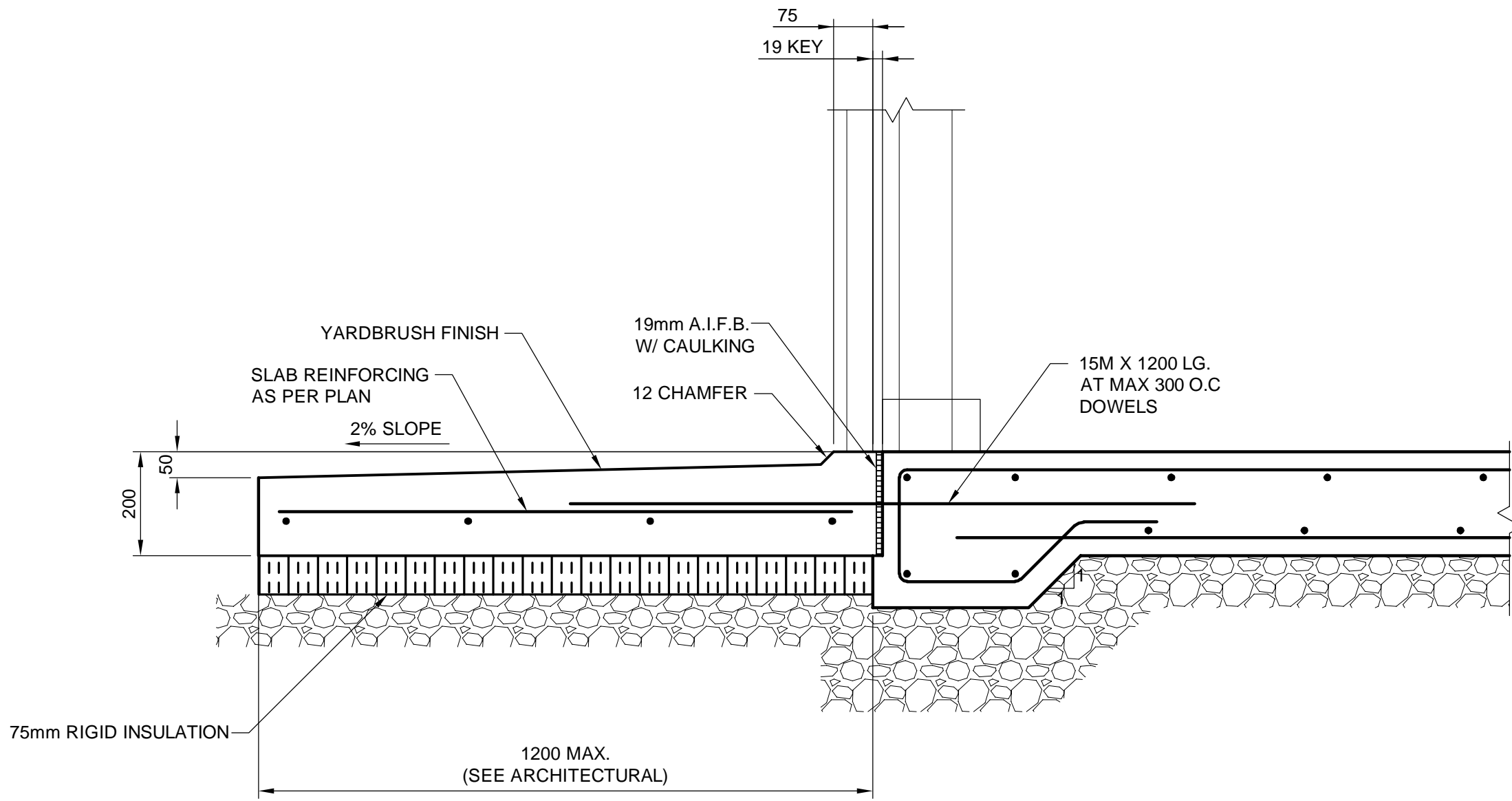
**B SECTION DETAIL**

S-3101 Scale 1:10



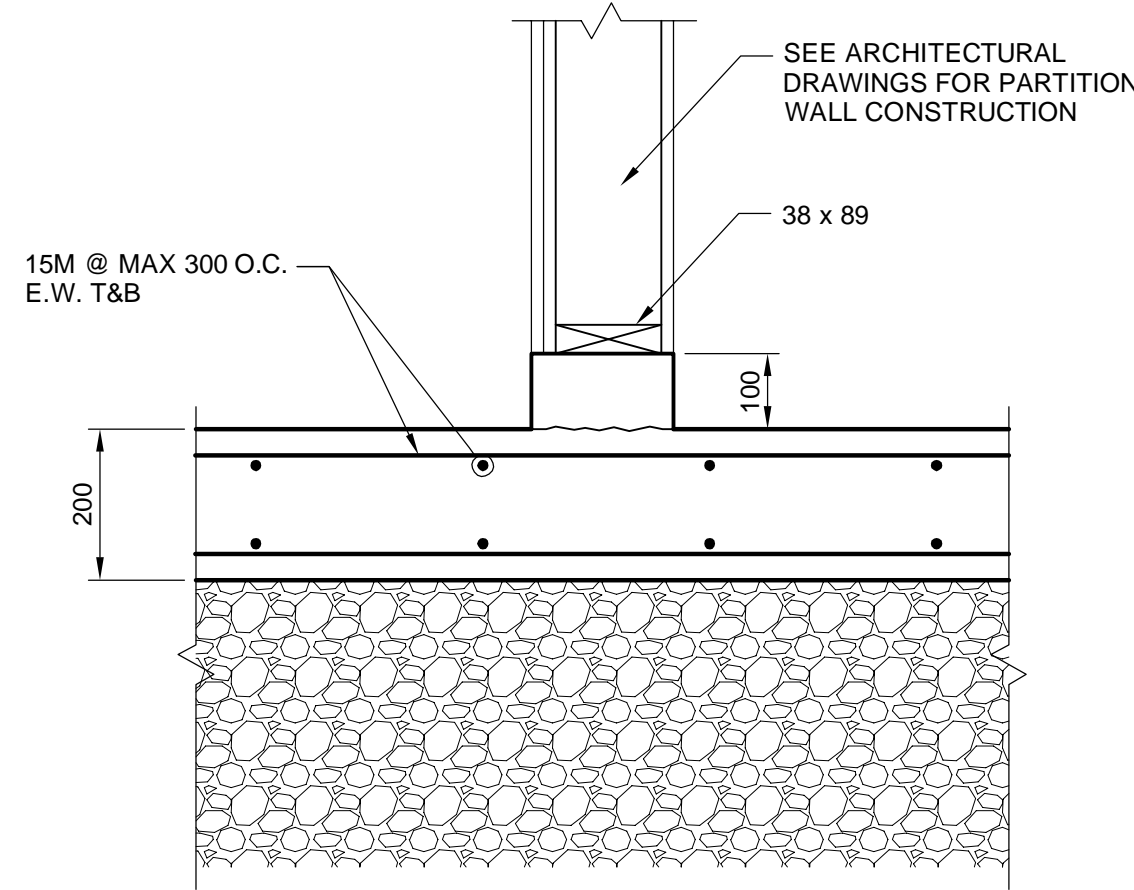
**C SECTION DETAIL**

S-3101 Scale 1:10



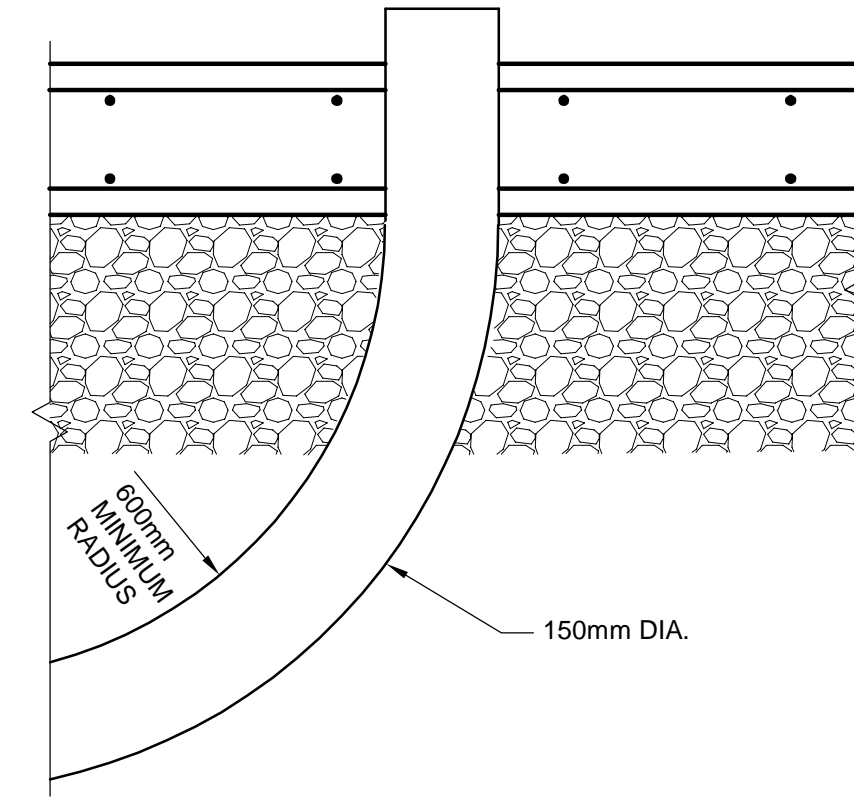
**D APRON DETAIL**

S-3101 Scale 1:10



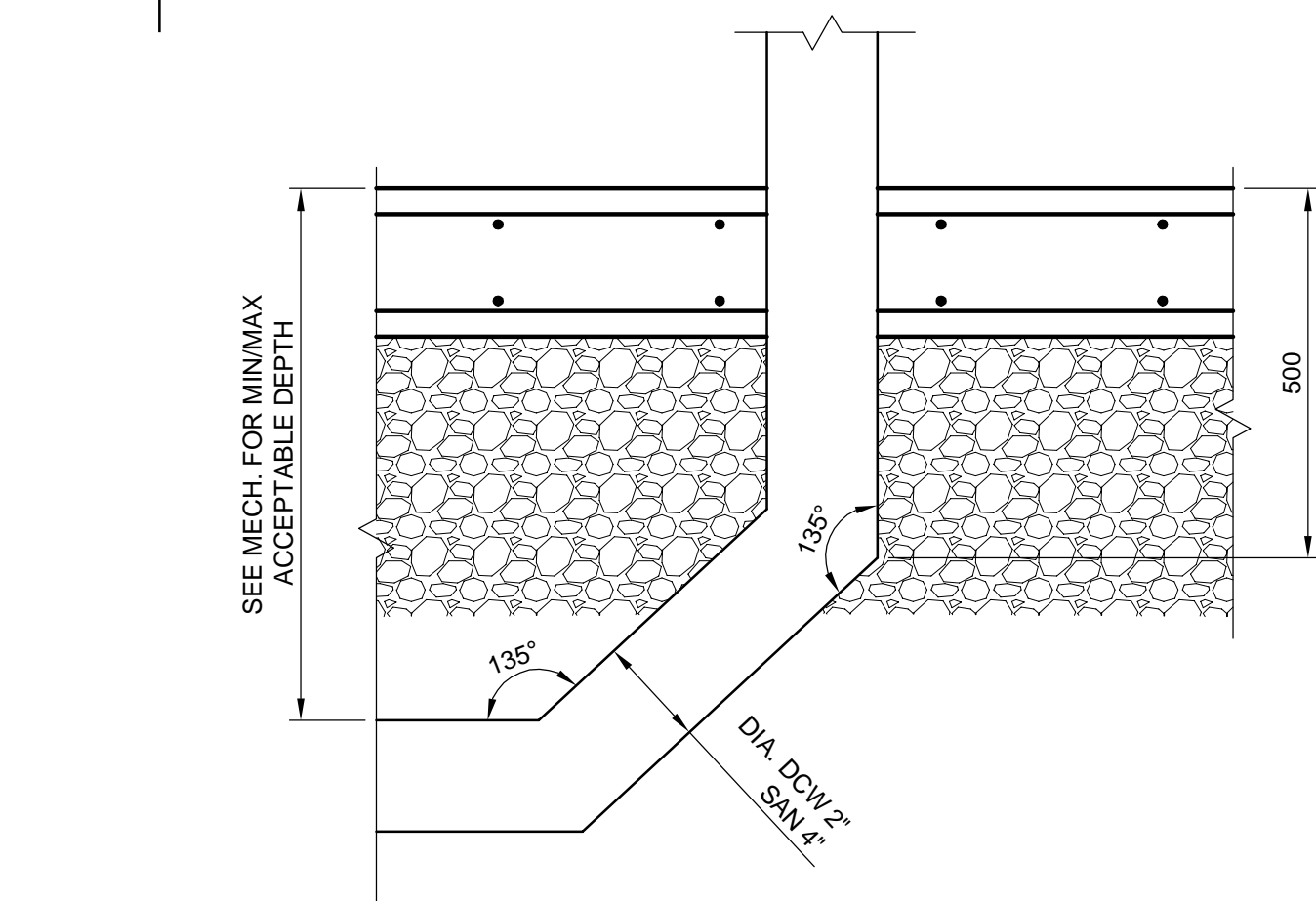
**E SECTION DETAIL**

S-3101 Scale 1:10



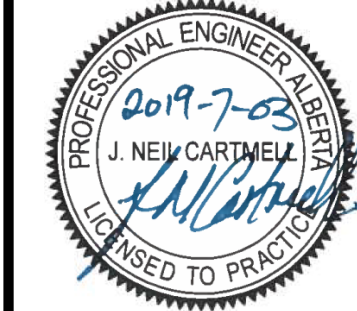
**F SECTION ELECTRICAL SERVICE PENETRATION**

S-1101 Scale 1:10



**G SECTION DETAIL DCW/SAN SERVICE PENETRATIONS**

S-1101 Scale 1:10



PERMIT TO PRACTICE  
AECOM CANADA LTD.  
Signature: *[Signature]*  
Date: *July 3, 2019*  
PERMIT NUMBER: P 10450  
The Association of Professional  
Engineers and Geoscientists of Alberta

0	19.07.03	ISSUED FOR CONSTRUCTION	DB	NC
No.	Date	Description	Drawn by Dessine par	Approved Approuve

Revision / Revision

<b>A</b>	Detail number	A Numéro de détail
<b>B</b>	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres	Dimensions linéaires en millimètres
-------------------------------------	----------------------------------------

Consultant's Name  
Nom de l'expert-conseil

Eng. Stamp  
Sceau de l'ingénieur

**AECOM**

Parks Canada  
Asset Management  
Western and  
Northern  
Region

Parcs Canada  
Gestion des biens  
Région de l'Ouest et  
du Nord

**Canada**

Project title/Titre du projet  
**WHISTLERS CAMPGROUND  
RECONSTRUCTION  
IN  
JASPER NATIONAL PARK**

Drawing title/Titre du dessin  
**STRUCTURAL  
SHOWER AND WASHROOM  
SECTION DETAILS**

Surveyed by/Arpenté par AECOM	Drawn by/Dessiné par RP	Date 2018/06/26
Designed by/Concept par HB	Reviewed by/Revisé par HB	Scale/Echelle AS SHOWN
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet PRO 727	Asset No./Nº du bien	Sheet No./ Nº de la feuille <b>S16</b> OF S16
Drawing Set No./Nº de série du dessin PRO-727-S-4101		





October 16, 2019

**MCELHANNEY**  
402 11 Ave SE  
Calgary AB T2G 0Y4

**Attention: Simon Armstrong-Bayliss**

**Re: Review of Manufactured Wood Trusses Drawings for Registration Centre  
(Submittal No: SUM-00020.1)  
WHISTLERS CAMPGROUND RECONSTRUCTION  
JASPER NATIONAL PARK  
NORR File: NCCA18-0191**

We have reviewed the following manufactured wood joists, beams and trusses drawings and calculations prepared by Kyle Gerrish, P.Eng.:

Dwg. No.	Drawing Title	Date	Rev. No.
P5961893 TO P5961901	Truss Design sheets	October 7/2019	
190400R	Roof Truss Placement Drawing	October 7/2019	

We have the following comments:

1. The drawings and calculations have been prepared and stamped by a Professional Engineer licensed in the Province of Alberta.
2. The drawings have only been reviewed for general layout.
3. The responsibility for the manufactured wood trusses design including truss tie down and field review of their installation is solely that of the Professional Engineer whose stamp appears on the drawings.

**NORR Architects Engineers Planners**

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A Partnership of Limited Companies  
Poon McKenzie Architects (Alberta) Inc. Poon McKenzie Holdings Inc.  
NORR is a trademark owned by Ingenium Group Inc. and is used under license.

Victor Smith, Architect, AAA, AIBC, OAA  
Bruce G. McKenzie, Architect, AAA, AIBC  
A. Silvio Baldassarra, Architect, AAA, AIBC, OAA  
Adrian Todeila, P.Eng., APEGA  
Chris Pal, P.Eng., APEGA

2300, 411 – 1<sup>st</sup> Street SE  
Calgary, Alberta  
Canada T2G 4Y5

T 403 264 4000  
F 403 269 7215  
norrr.com



Specific Comments

1. GC to co-ordinate with truss design engineer for mechanical equipment location and loading on roof. Refer note on drawing S-1003.
2. GC to submit separate shop drawing for timber truss not included in this submittal.

Yours sincerely

**NORR Architects Engineers Planners**

Per: Niraj Chalishajar. P.Eng.



Project#: 0590437  
Project Name: Whistlers Campground Reconstru

Submittal No.:	SUM-00020
Due Date:	10/21/2019
10 day review unless noted otherwise	


## SUBMITTAL COVER PAGE

Wood Truss Shop Drawing - Registration Building			
Submitted by:	PCL Construction Management Inc.	Submittal Date:	10/14/2019
Specification:	06 17 53	Subcontractor:	Star Building Components Inc.
Sub Submittal No.:		Document Type:	Shop Drawing

Distribution		
Parks Canada Agency	Alex (Sandy) Cummings	sandy.cummings@canada.ca

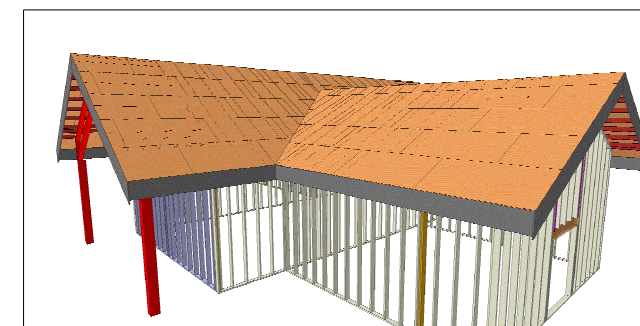
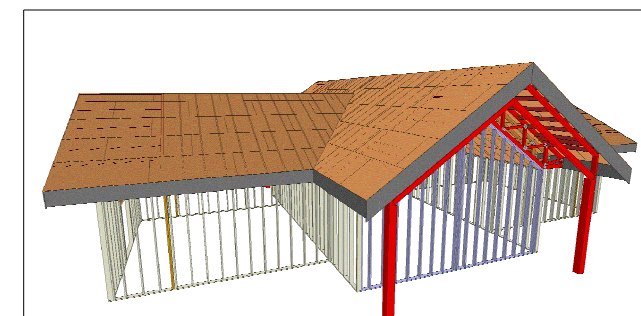
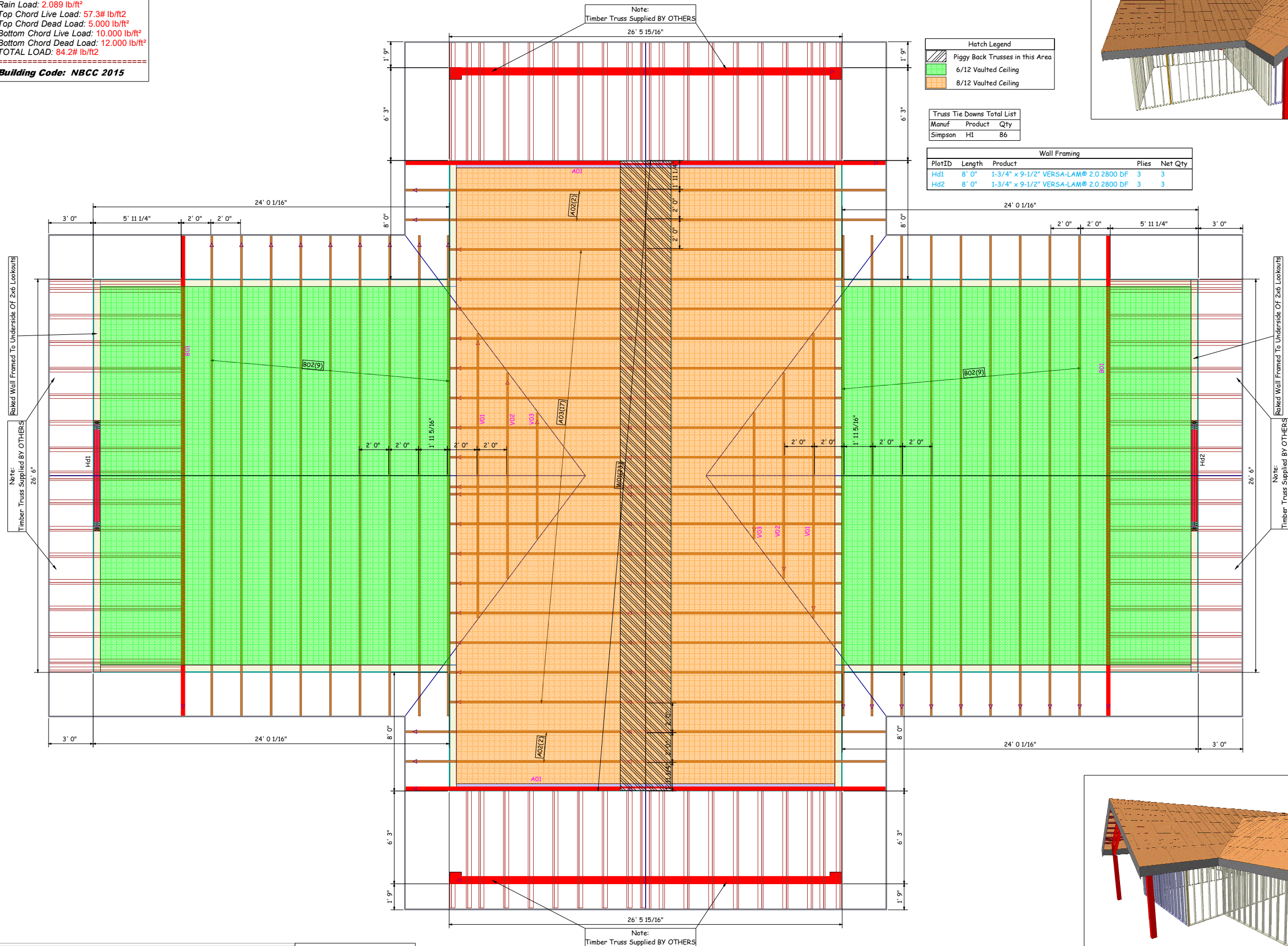
Remarks

Description	Pages
Submittal cover page	1
190400R-Roof Truss Layout	1
P5961893.190400R	13

	Project: 0590437 - WCR Reviewed By: Tom Fuhr Date : 2019-10-14
<b>PCL Construction Management Inc.</b> <u>Reviewed for Coordination and General Conformance with Contract Documents</u>	
The general contractor's review of this submittal in no way relieves the subcontractor/vendor of their obligations or responsibilities for compliance with the contract documents, dimensions, quantities, design quality, nor from the responsibility for errors or omissions.	
<input checked="checked" type="checkbox"/> Reviewed	<input type="checkbox"/> Revise and Resubmit
<input type="checkbox"/> Rejected	<input type="checkbox"/> Make Corrections Noted

**ROOF DESIGN LOADS**  
Occupancy Category: Commercial -  
(NBCC Part 4)  
Ground Snow Load: 68.922 lb/ft<sup>2</sup>  
Rain Load: 2.089 lb/ft<sup>2</sup>  
Top Chord Live Load: 57.3 # lb/ft2  
Top Chord Dead Load: 5.000 lb/ft<sup>2</sup>  
Bottom Chord Live Load: 10.000 lb/ft<sup>2</sup>  
Bottom Chord Dead Load: 12.000 lb/ft<sup>2</sup>  
TOTAL LOAD: 84.2# lb/ft2

**Building Code: NBCC 2015**



**GENERAL NOTES:**

- 1. DO NOT permit the cutting, drilling, or damage of chords, webs, or plates unless instructed by Leduc Truss Inc.**
- DO NOT remove webs (not even temporarily).**
- DO NOT make field repairs to damaged trusses without the approval of a representative of Leduc Truss Inc.**
- DO NOT overload single or groups of trusses with plywood, roofing or other types of construction materials.**
- DO NOT erect damaged trusses. Should a truss or group of trusses fail to the ground or be wrecked for any reason DO NOT PROCEED!!! The site engineer or not must certify in writing that the trusses are in satisfactory condition to erect.**
- NOTIFY Leduc Truss at 780-986-0334 IMMEDIATELY!!!**
- 2. All lines indicating overhangs, ridges and valleys of stick framed areas (as well as on layout) do not necessarily accurately reflect what will be built on site.**
- 3. Although trusses may appear to be symmetrical, they may not be. Look for 'POINT LOAD', 'INTERIOR BEARING', and 'CANTILEVER' tags. Ensure that the trusses are located in their correct and intended position.**
- 4. All ladders, valleys, and noted areas to be framed on site.**
- 5. All dimensions are to the face of the wood truss (typical).**
- 6. The sole purpose of this layout is to indicate the positioning of the trusses only. This layout is not intended to serve as a substitute for the original architectural or structural plans.**
- 7. This roof has not been analyzed for drift loads unless otherwise specified.**
- 8. This Roof Truss System has not been designed for any "Fall Arrest" or "Permanent Travel Restraint" systems unless otherwise specified.**

## Customer

Johnston Builders Ltd.

**Job Name**

Whistler Campground  
Registration Centre

**Shipping Address**  
Jasper, Alberta

Date	August 8/2019
------	---------------

Job #	190400R
-------	---------

Quote #	190400R
---------	---------

Designer:	Jim Stock
-----------	-----------

9	Sales Rep:	Bill Kolida
	Revised:	October 7/2019

SEE THE TRUSS DRAWINGS IN  
FRAMERS PACKAGE FOR REQUIRED  
BEARING AND TRUSS DIRECTION

**Note:**  
**See Engineered Truss**  
**Designs For Overall Heel**  
**Height.**

**Note:**  
**See Engineered Designs for Ply to Ply Fastening Information.**

**Note:**  
**ALL Beams are BY OTHERS unless noted otherwise.**

**Note:**  
**Frame ALL Valleys On**  
**Site Except Where Noted.**

Note:

ALL Dimensional Material BY OTHERS

## Roof Truss Placement Drawing

Scale: N.T.S.



---

MiTek Canada, Inc.  
100 Industrial Road  
Bradford, ON, Canada L3Z 3G7  
Phone (905) 952-2900  
Toll Free (800) 268-3434  
Fax (905) 952-2901

October 7, 2019

Re: 190400R  
Whistler Campground Registration Centre

The truss drawing(s) referenced below have been prepared by or for MiTek Canada, Inc. under my direct supervision based on the parameters provided by Leduc Truss Inc. (CA).

Pages or sheets covered by this seal: P5961893 thru P5961901



The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with TPIC. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek. Any project specific information included is for MiTek's customer's file reference purpose only, and was not taken into account in the preparation of these designs. MiTek has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design. Engineering Services provided by





JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	Whistler Campground Registration Centre	DRWG NO.	P5961893
190400R	A01	2	2	TRUSS DESC.			

PLATES (table is in inches)

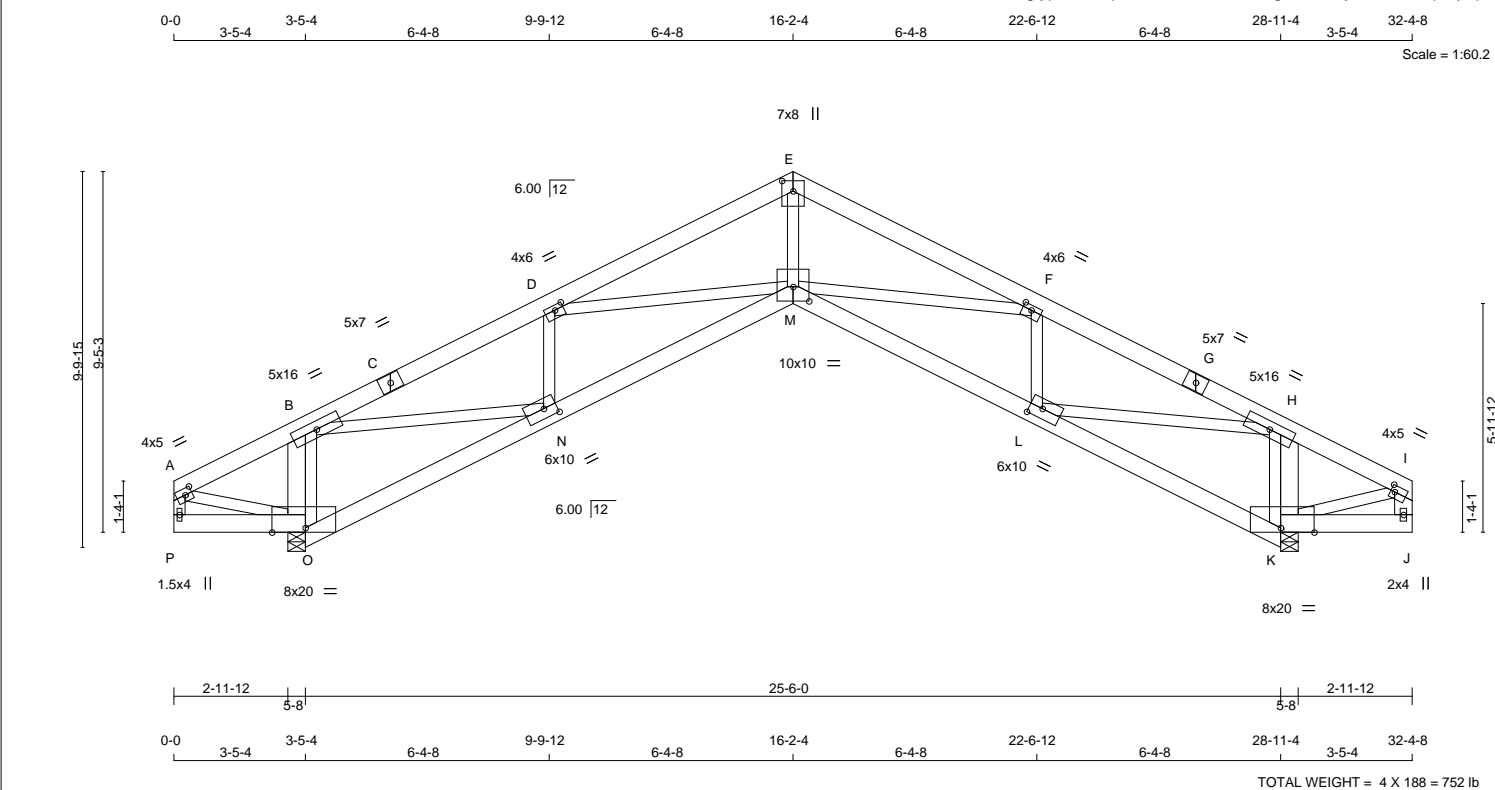
JT	TYPE	PLATES	W	LEN	Y	X
I	TMWW-t	MT20	5.0	7.0	2.00	3.00
J	TMWW-t	MT20	5.0	10.0	2.00	5.00
K	TMVV-t	MT20	4.0	5.0	1.75	Edge
L	BMV+p	MT20	1.5	4.0		
M	BBWMW1-m	MT20	8.0	8.0	5.00	1.75
N	BMWW-t	MT20	6.0	8.0	2.50	3.75
O	BMWW-t	MT20	4.0	8.0	1.75	3.75
P	BMWW-t	MT20	4.0	6.0		
Q	BBWWW-p	MT20	12.0	20.0	4.75	10.00
R	BMWW-t	MT20	4.0	6.0		
S	BMWW-t	MT20	4.0	8.0	1.75	3.75
T	BMWW-t	MT20	6.0	8.0	2.50	3.75
U	BBWMW1-m	MT20	8.0	8.0	5.00	1.75
V	BMV+p	MT20	1.5	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.









<div>LUMBER</div> <div>N. L. G. A. RULES</div> <table><tr><th>CHORDS</th><th>SIZE</th><th>LUMBER</th><th>DESCR.</th></tr><tr><td>A - C</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>C - E</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>E - G</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>G - I</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>P - A</td><td>2x4</td><td>DRY No.2</td><td>SPF</td></tr><tr><td>J - I</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>O - B</td><td>2x4</td><td>DRY No.2</td><td>SPF</td></tr><tr><td>O - B</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>K - H</td><td>2x4</td><td>DRY No.2</td><td>SPF</td></tr><tr><td>K - H</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>P - O</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>O - M</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>M - K</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr><tr><td>K - J</td><td>2x6</td><td>DRY 1650F 1.5E</td><td>SPF</td></tr></table> <div>ALL WEBS 2x4 DRY No.2 SPF EXCEPT</div> <div>M - E 2x4 DRY 2100F 1.8E SPF</div> <div>B - N 2x4 DRY 2100F 1.8E SPF</div> <div>L - H 2x4 DRY 2100F 1.8E SPF</div>					CHORDS	SIZE	LUMBER	DESCR.	A - C	2x6	DRY 1650F 1.5E	SPF	C - E	2x6	DRY 1650F 1.5E	SPF	E - G	2x6	DRY 1650F 1.5E	SPF	G - I	2x6	DRY 1650F 1.5E	SPF	P - A	2x4	DRY No.2	SPF	J - I	2x6	DRY 1650F 1.5E	SPF	O - B	2x4	DRY No.2	SPF	O - B	2x6	DRY 1650F 1.5E	SPF	K - H	2x4	DRY No.2	SPF	K - H	2x6	DRY 1650F 1.5E	SPF	P - O	2x6	DRY 1650F 1.5E	SPF	O - M	2x6	DRY 1650F 1.5E	SPF	M - K	2x6	DRY 1650F 1.5E	SPF	K - J	2x6	DRY 1650F 1.5E	SPF	<div>DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER</div> <div>BEARINGS</div> <table><tr><th></th><th colspan="2">FACTORED GROSS REACTION</th><th colspan="2">MAXIMUM FACTORED GROSS REACTION</th><th>INPUT BRG</th><th>REQRD BRG</th></tr><tr><th>JT</th><th>VERT</th><th>HORZ</th><th>DOWN</th><th>HORZ</th><th>IN-SX</th><th>IN-SX</th></tr><tr><td>O</td><td>9254</td><td>0</td><td>9306</td><td>137</td><td>5-8</td><td>5-8</td></tr><tr><td>K</td><td>9254</td><td>0</td><td>9307</td><td>0</td><td>5-8</td><td>5-8</td></tr></table> <div>PROVIDE FOR 137 LBS FACTORED HORIZONTAL REACTION AT JOINT O</div> <div>ALLOW FOR 0.5" OF HORIZONTAL MOVEMENT DUE TO TOTAL LOAD</div> <div>UNFACTORED REACTIONS</div> <table><tr><th>JT</th><th>1ST LCASE</th><th colspan="2">MAX./MIN. SNOW</th><th>LIVE</th><th>PERM.LIVE</th><th>WIND</th><th>DEAD</th><th>SOIL</th></tr><tr><td>O</td><td>6709</td><td>4316 / 0</td><td>809 / 0</td><td>0 / 0</td><td>73 / -702</td><td>1619 / 0</td><td>0 / 0</td><td>0 / 0</td></tr><tr><td>K</td><td>6709</td><td>4316 / 0</td><td>809 / 0</td><td>0 / 0</td><td>73 / -702</td><td>1619 / 0</td><td>0 / 0</td><td>0 / 0</td></tr></table> <div>HORIZONTAL REACTIONS</div> <table><tr><td>O</td><td>---</td><td>0 / 0</td><td>0 / 0</td><td>0 / 0</td><td>98 / -98</td><td>0 / 0</td><td>0 / 0</td></tr></table> <div>BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) O, K</div> <div>BRACING</div> <div>MAX. UNBRACED TOP CHORD LENGTH = 2.92 FT.</div> <div>MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT. OR RIGID CEILING DIRECTLY APPLIED.</div> <div>ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.</div> <div>LOADING</div> <div>TOTAL LOAD CASES: (18)</div> <table><tr><th colspan="4">C H O R D S</th><th colspan="4">W E B S</th></tr><tr><th>MEMB.</th><th>MAX. FACTORED FORCE (LBS)</th><th>FACTORED VERT. LOAD (PLF)</th><th>MAX. CSI (LC)</th><th>MEMB.</th><th>MAX. FACTORED FORCE (LBS)</th><th>MAX. CSI (LC)</th></tr><tr><td>FR-TO</td><td></td><td>FROM TO</td><td></td><td>FR-TO</td><td></td><td></td></tr><tr><td>A- B</td><td>0 / 1119</td><td>-521.7 -521.7</td><td>0.46 (2)</td><td>10.00</td><td>M- E</td><td>0 / 11456</td></tr><tr><td>B- C</td><td>-12124 / 0</td><td>-521.7 -521.7</td><td>0.69 (2)</td><td>3.43</td><td>M- F</td><td>0 / 3688</td></tr><tr><td>C- D</td><td>-12124 / 0</td><td>-521.7 -521.7</td><td>0.69 (2)</td><td>3.43</td><td>L- F</td><td>-5197 / 0</td></tr><tr><td>D- E</td><td>-15999 / 0</td><td>-521.7 -521.7</td><td>0.76 (2)</td><td>2.92</td><td>D- M</td><td>0 / 3686</td></tr><tr><td>E- F</td><td>-15999 / 0</td><td>-521.7 -521.7</td><td>0.76 (3)</td><td>2.92</td><td>N- D</td><td>-5197 / 0</td></tr><tr><td>F- G</td><td>-12122 / 0</td><td>-521.7 -521.7</td><td>0.69 (3)</td><td>3.43</td><td>K- I</td><td>-836 / 57</td></tr><tr><td>G- H</td><td>-12122 / 0</td><td>-521.7 -521.7</td><td>0.69 (3)</td><td>3.43</td><td>B- N</td><td>0 / 11952</td></tr><tr><td>H- I</td><td>0 / 1119</td><td>-521.7 -521.7</td><td>0.46 (3)</td><td>10.00</td><td>L- H</td><td>0 / 11951</td></tr><tr><td>P- A</td><td>-22 / 107</td><td>0.0 0.0</td><td>0.01 (17)</td><td>7.81</td><td>A- O</td><td>-835 / 56</td></tr><tr><td>J- I</td><td>-22 / 108</td><td>0.0 0.0</td><td>0.01 (17)</td><td>7.81</td><td></td><td></td></tr><tr><td>O- B</td><td>-8349 / 0</td><td>0.0 0.0</td><td>0.23 (2)</td><td>6.45</td><td></td><td></td></tr><tr><td>K- H</td><td>-8349 / 0</td><td>0.0 0.0</td><td>0.23 (3)</td><td>6.45</td><td></td><td></td></tr><tr><td>P- O</td><td>-6 / 17</td><td>-50.0 -50.0</td><td>0.03 (17)</td><td>10.00</td><td></td><td></td></tr><tr><td>O- N</td><td>-1257 / 130</td><td>-50.0 -50.0</td><td>0.07 (2)</td><td>6.25</td><td></td><td></td></tr><tr><td>N- M</td><td>0 / 12151</td><td>-50.0 -50.0</td><td>0.57 (1)</td><td>10.00</td><td></td><td></td></tr><tr><td>M- L</td><td>0 / 12149</td><td>-50.0 -50.0</td><td>0.57 (1)</td><td>10.00</td><td></td><td></td></tr><tr><td>L- K</td><td>-1257 / 64</td><td>-50.0 -50.0</td><td>0.07 (3)</td><td>6.25</td><td></td><td></td></tr><tr><td>K- J</td><td>-6 / 17</td><td>-50.0 -50.0</td><td>0.03 (17)</td><td>10.00</td><td></td><td></td></tr></table> <div>TRUSS HAS BEEN CHECKED FOR UNBALANCED LOADING AS PER NBCC 4.1.6.2.(8)</div> <div>WIND LOAD APPLIED IS DERIVED FROM REFERENCE VELOCITY PRESSURE OF { 6.7 } PSF AT {20-0-0} FT-IN-SX REFERENCE HEIGHT ABOVE GRADE AND USING EXTERNAL PEAK COEFFICIENTS, CpCg, BASED ON THE {MAIN WIND FORCE RESISTING SYSTEM}.INTERNAL WIND PRESSURE IS BASED ON DESIGN {CATEGORY 3}. BUILDING MAY BE LOCATED ON {OPEN TERRAIN}, AND TRUSS IS DESIGNED TO BE LOCATED AT LEAST {0-0} FT-IN-SX AWAY FROM EAVE.</div> <div>PLATES (table is in inches)</div> <table><tr><th>JT</th><th>TYPE</th><th>PLATES</th><th>W</th><th>LEN</th><th>Y</th><th>X</th></tr><tr><td>A</td><td>TMVW-t</td><td>MT20</td><td>4.0</td><td>5.0</td><td>2.00</td><td>2.25</td></tr><tr><td>B</td><td>TMVWW-t</td><td>MT20</td><td>5.0</td><td>16.0</td><td></td><td></td></tr><tr><td>C</td><td>TS-t</td><td>MT20</td><td>5.0</td><td>7.0</td><td></td><td></td></tr></table>						FACTORED GROSS REACTION		MAXIMUM FACTORED GROSS REACTION		INPUT BRG	REQRD BRG	JT	VERT	HORZ	DOWN	HORZ	IN-SX	IN-SX	O	9254	0	9306	137	5-8	5-8	K	9254	0	9307	0	5-8	5-8	JT	1ST LCASE	MAX./MIN. SNOW		LIVE	PERM.LIVE	WIND	DEAD	SOIL	O	6709	4316 / 0	809 / 0	0 / 0	73 / -702	1619 / 0	0 / 0	0 / 0	K	6709	4316 / 0	809 / 0	0 / 0	73 / -702	1619 / 0	0 / 0	0 / 0	O	---	0 / 0	0 / 0	0 / 0	98 / -98	0 / 0	0 / 0	C H O R D S				W E B S				MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB.	MAX. FACTORED FORCE (LBS)	MAX. CSI (LC)	FR-TO		FROM TO		FR-TO			A- B	0 / 1119	-521.7 -521.7	0.46 (2)	10.00	M- E	0 / 11456	B- C	-12124 / 0	-521.7 -521.7	0.69 (2)	3.43	M- F	0 / 3688	C- D	-12124 / 0	-521.7 -521.7	0.69 (2)	3.43	L- F	-5197 / 0	D- E	-15999 / 0	-521.7 -521.7	0.76 (2)	2.92	D- M	0 / 3686	E- F	-15999 / 0	-521.7 -521.7	0.76 (3)	2.92	N- D	-5197 / 0	F- G	-12122 / 0	-521.7 -521.7	0.69 (3)	3.43	K- I	-836 / 57	G- H	-12122 / 0	-521.7 -521.7	0.69 (3)	3.43	B- N	0 / 11952	H- I	0 / 1119	-521.7 -521.7	0.46 (3)	10.00	L- H	0 / 11951	P- A	-22 / 107	0.0 0.0	0.01 (17)	7.81	A- O	-835 / 56	J- I	-22 / 108	0.0 0.0	0.01 (17)	7.81			O- B	-8349 / 0	0.0 0.0	0.23 (2)	6.45			K- H	-8349 / 0	0.0 0.0	0.23 (3)	6.45			P- O	-6 / 17	-50.0 -50.0	0.03 (17)	10.00			O- N	-1257 / 130	-50.0 -50.0	0.07 (2)	6.25			N- M	0 / 12151	-50.0 -50.0	0.57 (1)	10.00			M- L	0 / 12149	-50.0 -50.0	0.57 (1)	10.00			L- K	-1257 / 64	-50.0 -50.0	0.07 (3)	6.25			K- J	-6 / 17	-50.0 -50.0	0.03 (17)	10.00			JT	TYPE	PLATES	W	LEN	Y	X	A	TMVW-t	MT20	4.0	5.0	2.00	2.25	B	TMVWW-t	MT20	5.0	16.0			C	TS-t	MT20	5.0	7.0			<div>DESIGN CRITERIA</div> <div>*** SPECIAL LOADS ANALYSIS ***</div> <div>GEOMETRY AND/OR BASIC LOADS CHANGED BY USER.</div> <div>LOADS WERE DERIVED FROM USER INPUT</div> <div>NO FURTHER MODIFICATIONS WERE MADE</div> <div>SPECIFIED LOADS:</div> <table><tr><td>TOP</td><td>CH.</td><td>LL</td><td>=</td><td>57.3</td><td>PSF</td></tr><tr><td></td><td></td><td>DL</td><td>=</td><td>5.0</td><td>PSF</td></tr><tr><td>BOT</td><td>CH.</td><td>LL</td><td>=</td><td>10.0</td><td>PSF</td></tr><tr><td></td><td></td><td>DL</td><td>=</td><td>12.0</td><td>PSF</td></tr><tr><td>TOTAL</td><td>LOAD</td><td>=</td><td>84.2</td><td>PSF</td></tr></table> <div>SPACING = 24.0 IN. C/C</div> <div>*** NON STANDARD GIRDER ***</div> <div>ADDT'L USER-DEFINED LOADS APPLIED TO ALL LOAD CASES.</div> <div>THIS TRUSS IS DESIGNED FOR COMMERCIAL OR INDUSTRIAL BUILDING REQUIREMENTS OF PART 4, NBCC 2015</div> <div>THIS DESIGN COMPLIES WITH:</div> <div>- PART 4 OF BCBC 2018 , ABC 2019</div> <div>- CSA 086-14</div> <div>- TPIC 2014</div> <div>DESIGN ASSUMPTIONS</div> <div>- SLOPE REDUCTION FACTOR NOT USED</div> <div>{80 % OF 69.0 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD} TIMES IMPORTANCE FACTOR EQUALS 57.3 P.S.F. SPECIFIED ROOF LIVE LOAD</div> <div>ALLOWABLE DEFL.(LL)= L/360 (0.84")</div> <div>CALCULATED VERT. DEFL.(LL) = L/ 978 (0.31")</div> <div>ALLOWABLE DEFL.(TL)= L/180 (1.68")</div> <div>CALCULATED VERT. DEFL.(TL) = L/ 709 (0.43")</div> <div>CANTILEVER DEFLECTION:</div> <div>ALLOWABLE DEFL.(LL)= L/120 (0.36")</div> <div>CALCULATED VERT. DEFL.(LL) = L/ 508 ( 0.08")</div> <div>ALLOWABLE DEFL.(TL)= L/120 (0.36")</div> <div>CALCULATED VERT. DEFL.(TL) = L/ 369 ( 0.12")</div> <div>CSI: TC=0.76/1.00 (E-F:3) , BC=0.57/1.00 (M-N:1) , WB=0.49/1.00 (B-N:1) , SSI=0.63/1.00 (E-F:3)</div> <div>DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS=1.00</div> <div>SNOW LOAD IMPORTANCE FACTOR = 1.00</div> <div>WIND LOAD IMPORTANCE FACTOR = 1.00</div> <div>LIVE LOAD IMPORTANCE FACTOR = 1.00</div> <div>COMPANION LIVE LOAD FACTOR = 1.00</div> <div>AUTOSOLVE LEFT HEEL ONLY</div> <div>TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .</div> <div>NAIL VALUES</div> <table><tr><th>PLATE</th><th>GRIP(DRY)</th><th>SHEAR</th><th>SECTION</th></tr><tr><td></td><td>(PSI)</td><td>(PLI)</td><td>(PLI)</td></tr><tr><td></td><td>MAX</td><td>MIN</td><td>MAX</td></tr><tr><td>MT20</td><td>650</td><td>371</td><td>1747</td></tr><tr><td></td><td></td><td></td><td>788</td></tr><tr><td></td><td></td><td></td><td>1987</td></tr><tr><td></td><td></td><td></td><td>1873</td></tr></table> <div>PLATE PLACEMENT TOL. = 0.250 inches</div> <div>PLATE ROTATION TOL. = 5.0 Deg.</div> <div>JSI GRIP= 0.90 (E) (INPUT = 0.90 )</div> <div>JSI METAL= 0.98 (C) (INPUT = 1.00 )</div>					TOP	CH.	LL	=	57.3	PSF			DL	=	5.0	PSF	BOT	CH.	LL	=	10.0	PSF			DL	=	12.0	PSF	TOTAL	LOAD	=	84.2	PSF	PLATE	GRIP(DRY)	SHEAR	SECTION		(PSI)	(PLI)	(PLI)		MAX	MIN	MAX	MT20	650	371	1747				788				1987				1873
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		DL	=	5.0	PSF																																																																																																																																																																																																																																																																																																																																																																													
BOT	CH.	LL	=	10.0	PSF																																																																																																																																																																																																																																																																																																																																																																													
		DL	=	12.0	PSF																																																																																																																																																																																																																																																																																																																																																																													
TOTAL	LOAD	=	84.2	PSF																																																																																																																																																																																																																																																																																																																																																																														
PLATE	GRIP(DRY)	SHEAR	SECTION																																																																																																																																																																																																																																																																																																																																																																															
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JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
190400R	B01	2	2	Whistler Campground Registration Centre	P5961896
Leduc Truss Inc. (CA), Leduc, AB - T9E 7B5,		Version 8.240 S Jul 14 2019 MiTek Industries, Inc. Mon Oct 7 12:36:16 2019 Page 2			

ID:BRNz5VLxcaHVv08lKXkagfypz?w-l5qaV\_YveeP8hruW09MgGDctTmyUC8ZSGf8piKyVpfz

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
D	TMWW-t	MT20	4.0	6.0	1.50	2.75
E	TTW+p	MT20	7.0	8.0	3.25	3.50
F	TMWW-t	MT20	4.0	6.0	1.50	2.75
G	TS-t	MT20	5.0	7.0		
H	TMVWW-t	MT20	5.0	16.0		
I	TMVW-t	MT20	4.0	5.0	2.00	1.25
J	BMV+p	MT20	2.0	4.0		
K	BBVWW1*-l	MT20	8.0	20.0	Edge	10.50
L	BMWW-t	MT20	6.0	10.0	3.00	4.00
M	BBWWW-p	MT20	10.0	10.0	4.50	5.00
N	BMWW-t	MT20	6.0	10.0	3.00	4.00
O	BBVWW1*-l	MT20	8.0	20.0	Edge	10.50
P	BMV+p	MT20	1.5	4.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.


 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473C rev. 10/02/2015 BEFORE USE.

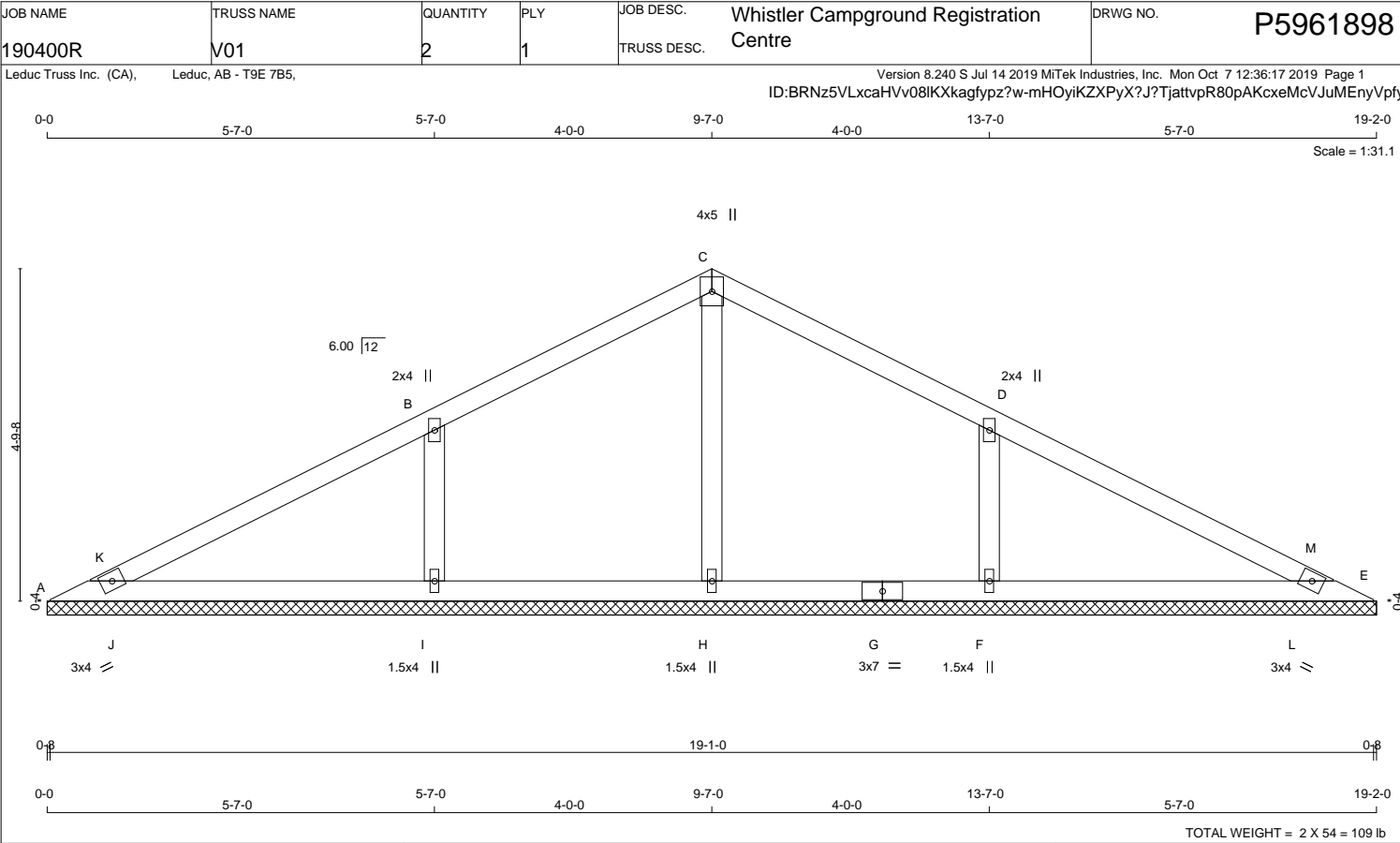
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage.

For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see TPIC Appendix G - Manufacturing and material variances - available from [www.tpic.ca](http://www.tpic.ca) and BCSI CANADA Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

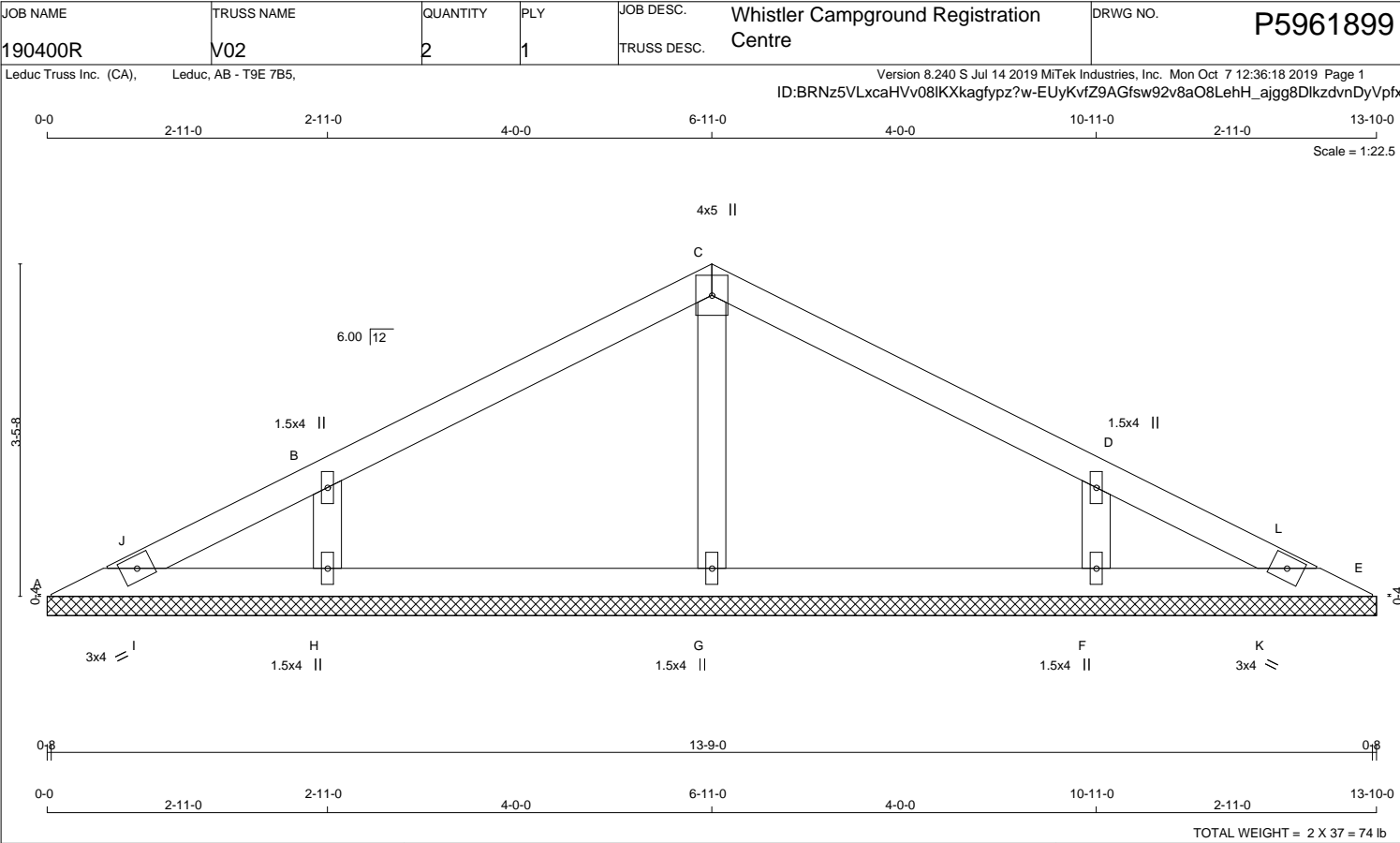


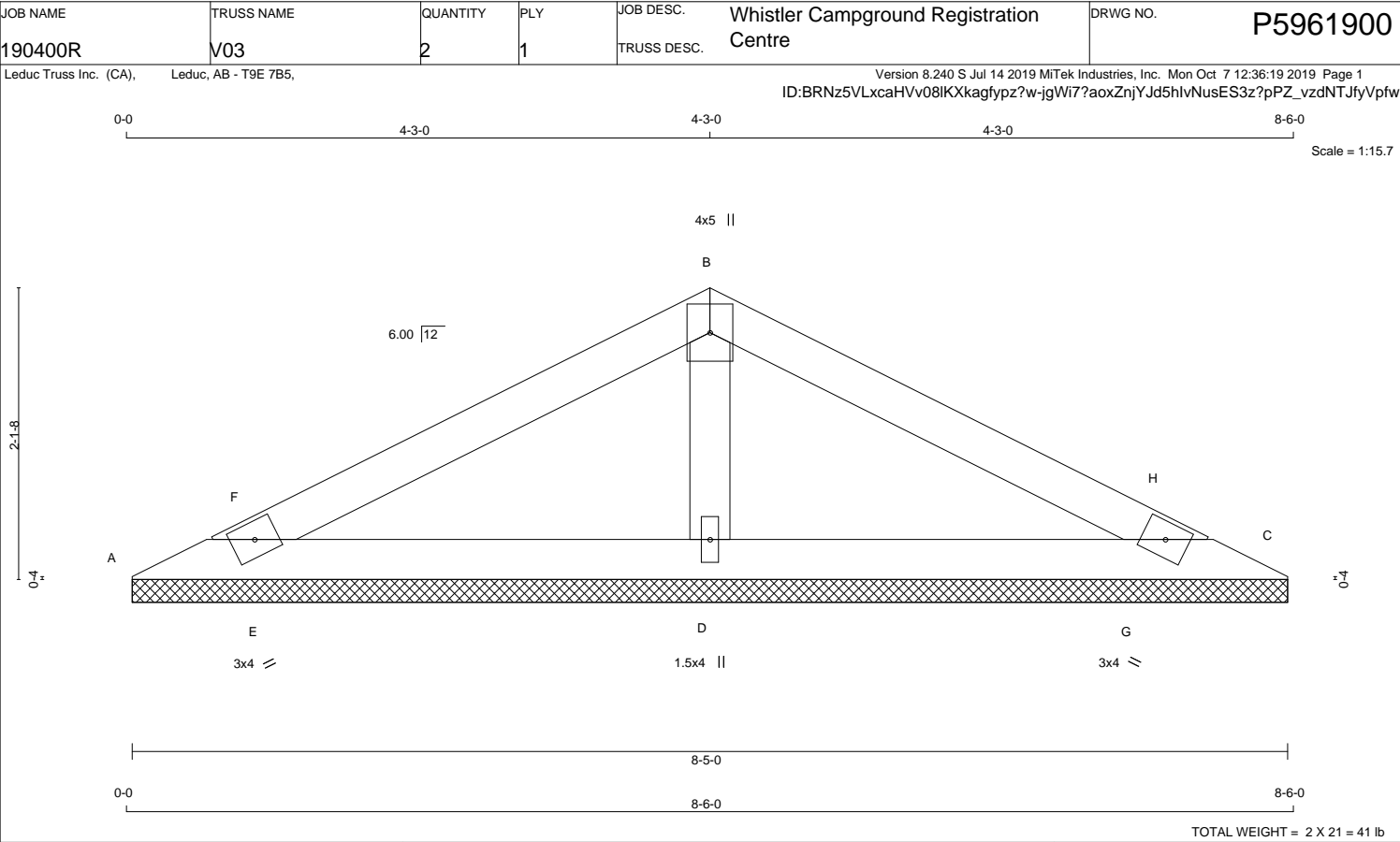
100 Industrial Road  
Bradford, ON L3Z 3G7

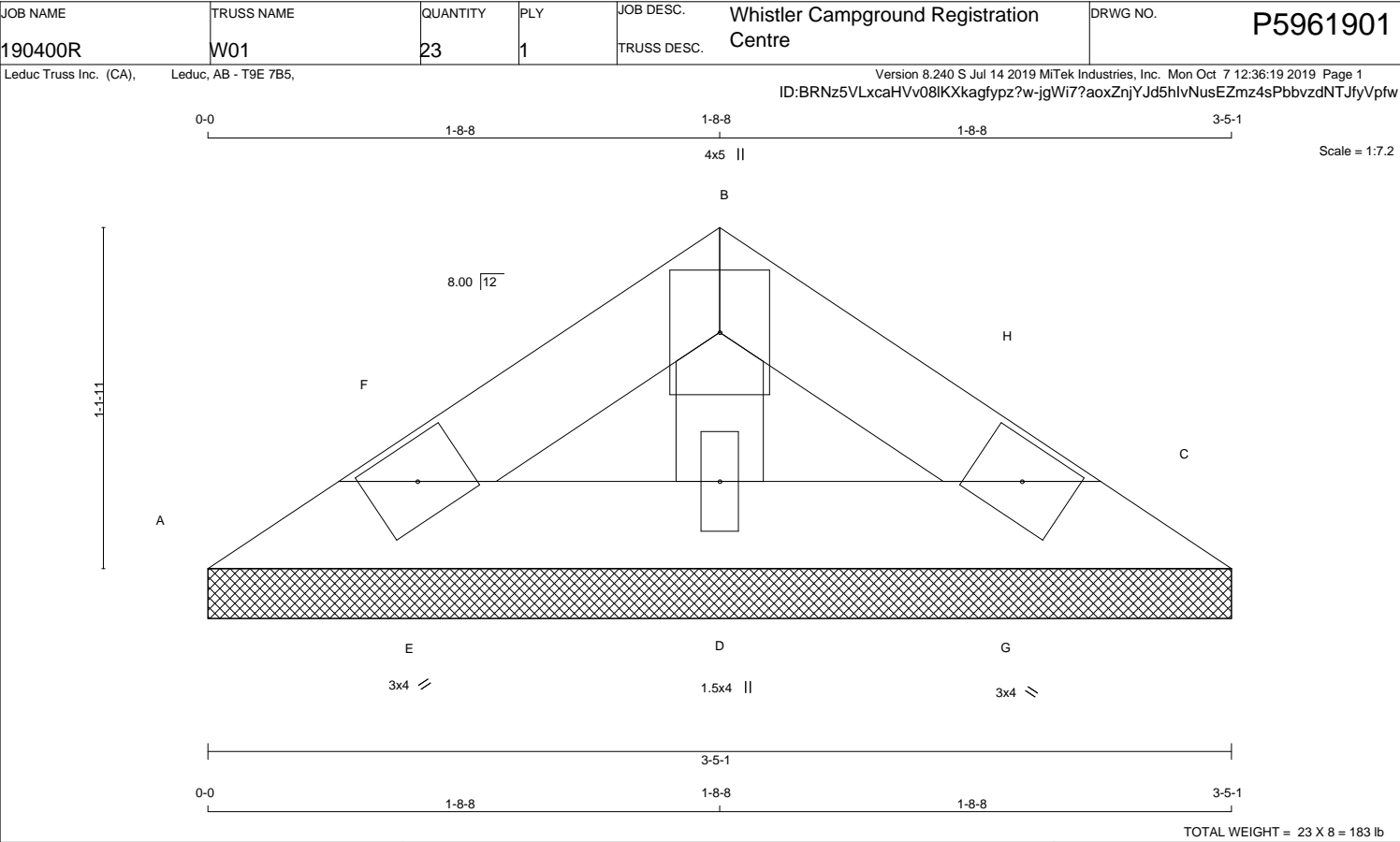
<p>APEGA Permit No. P08068</p>  <p>October 7, 2019</p>	<p>WIND PRESSURE IS BASED ON DESIGN (CATEGORY 3). BUILDING MAY BE LOCATED ON (OPEN TERRAIN), AND TRUSS IS DESIGNED TO BE LOCATED AT LEAST (0-0) FT-IN-SX AWAY FROM EAVE.</p>	<p>JOIST SPACING = 0.95 (N) (IN 0.1 = 1.00)</p>
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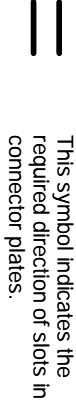
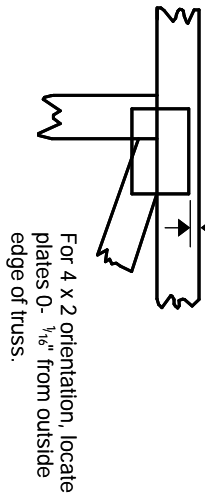
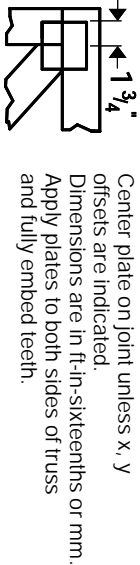






Symbols

PLATE LOCATION AND ORIENTATION



\* Plate location details available in MITek software or upon request.

PLATE SIZE

4 X 4

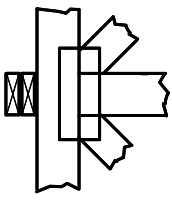
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

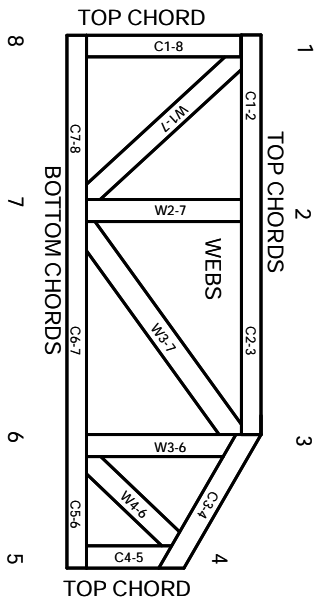


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min. size shown is for crushing only.

Industry Standards:

- TPIC: Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses
- DSB-89: Design Standard for Bracing.
- BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

CCMC Reports:

11996-L, 10319-L, 13270-L, 12691-R

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by TPIC.
7. Design assumes trusses will be suitably protected from the environment in accord with TPIC.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with TPIC Quality Criteria.