

MACHINE SHED (IMPLEMENT SHED) - BLDG NO. 18 - Bar U Ranch N.H.S.

Heritage Conservation Western

Heritage Conservation  
Professional and Technical Services  
Real Property Branch, Western Region  
Calgary, Alberta

Conservation du patrimoine de l'Ouest

Conservation du patrimoine  
Services professionnels et techniques  
Direction des services immobiliers, Région de l'Ouest  
Calgary, Alberta

NOTES:

1. THE CURRENT BUILDING ALIGNMENT AND DIMENSIONS MAY VARY FROM THE RECORD DRAWINGS AND MUST BE CONFIRMED PRIOR TO CONSTRUCTION.

2. ANY DISCREPANCIES BETWEEN THE DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMENCING ANY WORK.

3. THE DRAWINGS REPRESENT AN EXISTING BUILDING AND ARE NOT TO BE SCALED. SITE CONDITIONS WILL ALWAYS TAKE PRECEDENT.

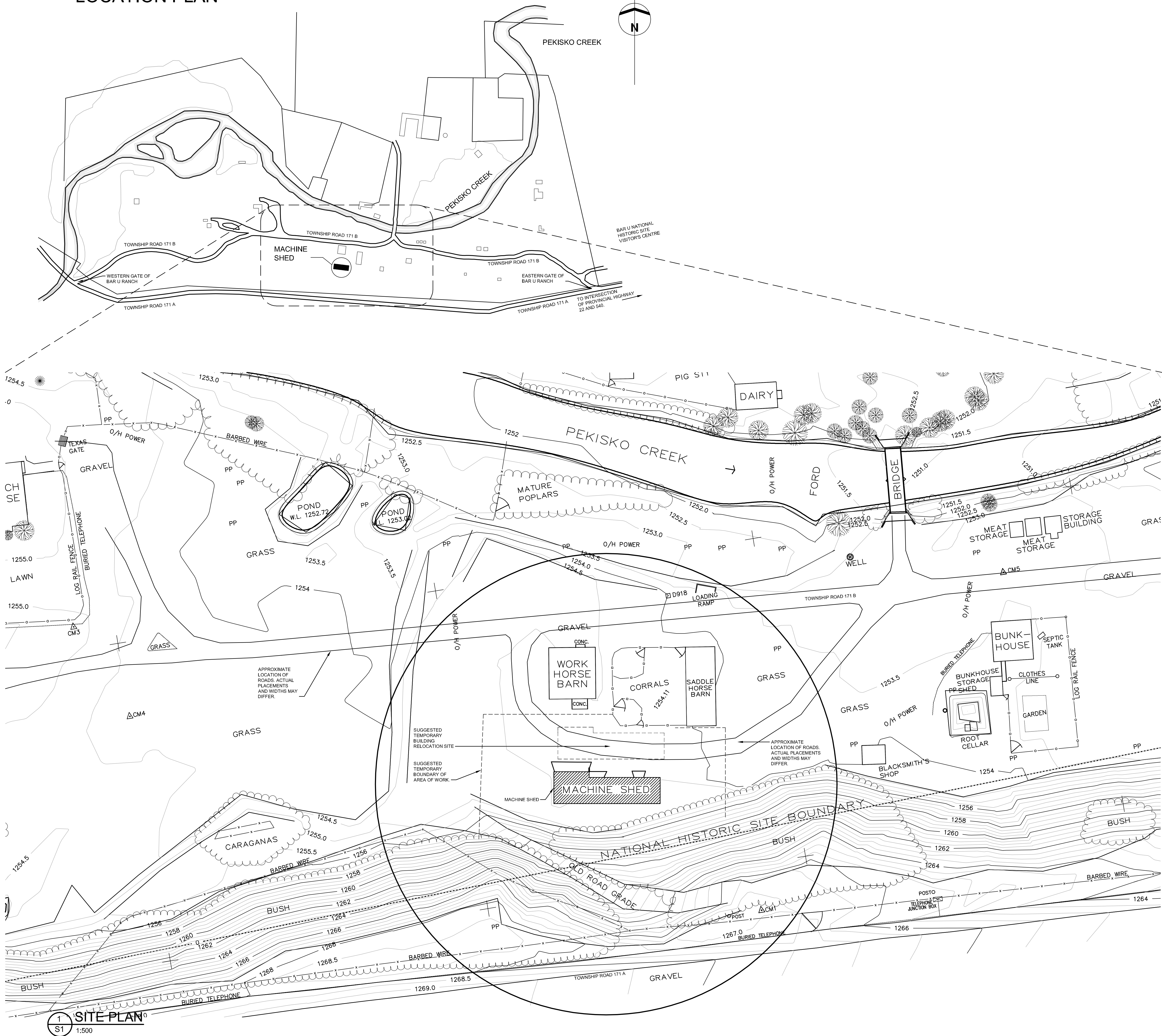
4. EXISTING ELEMENTS OF THE BUILDING ARE TO BE PROTECTED IN ACCORDANCE WITH CONSERVATION PRINCIPLES.

| LIST OF DRAWINGS |                | LEGEND          | GENERAL NOTES   |
|------------------|----------------|-----------------|---|
| DRAWING NO.      | REHABILITATION | GENERAL SYMBOLS | <div><u>GENERAL PROJECT NOTES:</u></div> <div><div>1. THE MACHINE SHED AS A STRUCTURE ON THE BAR U RANCH - NATIONAL HISTORIC SITE HAS BEEN DESIGNATED A "CLASSIFIED" BUILDING. FURTHER, THE ENTIRE SITE IS INCLUDED IN THIS CLASSIFICATION. THEREFORE REHABILITATION WORK MUST PROCEED ACCORDING TO RECOGNIZED CONSERVATION PRINCIPLES. IT IS ESSENTIAL THAT AN UNDERSTANDING OF THESE BASIC PRINCIPLES BE ACQUIRED PRIOR TO COMMENCEMENT OF THE WORK</div><div>2. ALL WORK MUST BE DONE IN COMPLIANCE WITH THE NATIONAL BUILDING CODE 2015, ALL APPLICABLE REGULATIONS BY LOCAL AUTHORITIES, AND APPLICABLE ENVIRONMENTAL AND SAFETY AND HEALTH STANDARDS.</div><div>3. THE BAR-U IS A WORKING RANCH AND IS OPEN TO THE PUBLIC. OTHER CONTRACTORS MAY BE ON THE SITE CONCURRENTLY. ACCESS ROADS MAY NEED TO BE SHARED AND MAY NEED TO REMAIN UNOBSTRUCTED. THE CONTRACTOR MUST DEVELOP A WORKING PLAN, APPROVED BY THE PROJECT TEAM TO AVOID CONFLICTS AND TO ASSURE SAFETY TO THE PUBLIC, THE STAFF, OTHER CLASSIFIED STRUCTURES ON THE SITE, THE ANIMALS ACCOMMODATED ON SITE, MACHINERY AND THE LANDSCAPE AND SITE IN GENERAL.</div><div>4. PARKS DEPARTMENT REPRESENTATIVES MUST BE INFORMED A MINIMUM OF ONE WEEK IN ADVANCE OF ANY VISITS TO THE CONSTRUCTION SITE AND PERSONNEL MUST BE AWARE OF ANY WORK TAKING PLACE ON SITE. EXCAVATIONS MUST BE CLEARLY MARKED OUT, DEFINED AND COORDINATED WITH SITE PERSONNEL BEFOREHAND, A DEPARTMENT ARCHAEOLOGIST MUST BE IN ATTENDANCE DURING ANY EXCAVATIONS AND THE EXCAVATIONS MUST BE CARRIED OUT IN ACCORDANCE WITH THE ARCHAEOLOGIST'S REQUIREMENTS.</div><div>5. THIS SET OF CONSTRUCTION DRAWINGS HAS BEEN ADAPTED FROM THE ORIGINAL PUBLIC WORKS AND GOVERNMENT SERVICES CANADA HERITAGE RECORD "AS FOUND 1996" DRAWING SET. THESE DRAWINGS ARE INCLUDED IN THE CONTRACT DOCUMENTS FOR REFERENCE ONLY. THE CURRENT BUILDING ALIGNMENT AND DIMENSIONS MAY VARY FROM THE RECORD DRAWINGS AND MUST BE CONFIRMED PRIOR TO CONSTRUCTION.</div><div>6. THE CONTRACTOR SHALL UNDERTAKE A PROGRAM OF PHOTOGRAPHIC DOCUMENTATION THAT WILL INCLUDE A DAILY RECORD OF PROGRESS AND DETAILED PHOTOGRAPHS AT EACH STAGE OF CONSTRUCTION, SEE SPECIFICATIONS FOR MORE DETAIL.</div><div>7. PRIOR TO COMMENCEMENT OF WORK AND UPON COMPLETION OF THE WORK, THE INTERIOR OF THE STRUCTURE IS TO BE AIR PRESSURE CLEANED AND VACUUMED TO REMOVE DUST, DIRT, AND ANIMAL DROPPINGS ETC. FROM RAFTERS, COLLAR TIES, TRUSS MEMBERS, BRACING, WALLS AND ALL INTERIOR SURFACES.</div></div> <div><u>GENERAL BUILDING LIFTING CONSTRUCTION NOTES AND PROCEDURE:</u></div> <div><div>1. THE CONTRACTOR IS TO ENGAGE A PROFESSIONAL ENGINEER TO DESIGN, OVERSEE AND REPORT ON THE BRACING, STABILIZATION, LIFTING AND MOVING OF THE STRUCTURE IN PREPARATION FOR FOUNDATION CONSTRUCTION AND SUBSEQUENT LOWERING AND SECURING OF THE BUILDING ONTO THE NEW FOUNDATION. THE PROFESSIONAL ENGINEER WILL ASSUME RESPONSIBILITY FOR THE LIFTING/ RELOCATION OF THE BUILDINGS. THE CONTRACTOR MUST DEVELOP AN EXECUTION PLAN TO BE REVIEWED BY THE PROJECT TEAM WITH MINIMAL IRREVERSIBLE DAMAGE TO EXISTING STRUCTURES.</div><div>2. WHERE PRACTICAL THE EXISTING BUILDING CORNERS IN PLAN SHALL BE MAINTAINED IN THE FINAL CONFIGURATION OF THE PERMANENT FOUNDATION. WHERE POSSIBLE WITHOUT FORCING THE STRUCTURE AND IMPARTING UNDUE STRESSES TO THE HISTORIC BUILDING FABRIC, THE BUILDING IN ITS FINAL CONFIGURATION SHOULD BE MADE SQUARE AND PLUMB. CONSULT WITH DEPARTMENTAL REPRESENTATIVE TO SUPPORT THE STRUCTURE TO RECTIFY ANY INCONSISTENCIES IN LEVEL OF BOTTOM PLATES.</div><div>3. THE LIFTING AND MOVING OF THE BUILDING IS TO BE CARRIED OUT IN A MANNER AND EXTENT TO ENSURE ADEQUATE ACCESS FOR EQUIPMENT TO THE BUILDING PERIMETER AND ALL WALLS DESIGNATED FOR THE CONSTRUCTION OF A NEW FOUNDATION.</div><div>4. THE LIFTING AND MOVING OF THE BUILDING IS TO BE CARRIED OUT IN A MANNER THAT ALLOWS THE PERIMETER WALLS TO BE ADJUSTED TO THE VERTICAL AND BRACED WITH THE TOP AND BOTTOM WALL PLATES ON OPPOSITE SIDES OF THE BUILDING AT EQUAL ELEVATIONS.</div><div>5. THE FOUNDATION IS TO BE CONSTRUCTED SUCH THAT THE WALL TOP AND BOTTOM PLATES ARE CONSISTENT IN ELEVATION IN EACH OF THE THREE</div></div> <div><u>GENERAL STRUCTURAL NOTES:</u></div> <div><div>1. ALL INTERVENTIONS HAVE BEEN DESIGNED TO MEET WITH THE INTENTIONS OF THE NATIONAL BUILDING CODE 2015.</div><div>2. ALL CSA STANDARDS REFERENCED IN THESE NOTES AND SPECIFICATIONS SHALL BE OF MOST RECENT ISSUE.</div><div>3. DESIGN LOADS:<div>- SNOW LOADS AND FLOOR LIVE LOADS AS PER PLAN.</div><div>- BASIC HOURLY WIND PRESSURE (1/50) – 0.65 kPa</div><div>- SEISMIC SITE SPECIFIC DATA<br/>(Sa(0.2)= 0.263, Sa (0.5)= 0.172, Sa(1.0)= 0.096, Sa(2.0)= 0.046, PGA= 0.125)</div><div>- ROOF WIND UPLIFT LOADS U.N.O. ON THE PLANS 1.10 KPa FACTORED LOAD</div></div><div>4. CONSTRUCTION LOADS MUST NOT BE IMPOSED ON THE STRUCTURE IN EXCESS OF THE SPECIFIED DESIGN LIVE LOAD. DESIGN LIVE LOADS MAY ONLY BE APPLIED AFTER CONCRETE AND MORTAR REACHES ITS DESIGN STRENGTH.</div><div>5. STRUCTURAL DRAWINGS DESCRIBE THE COMPLETED STRUCTURE ONLY AND DO NOT INCLUDE ELEMENTS WHICH MAY BE NECESSARY FOR TEMPORARY WORKS AND SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND ERECTION OF ALL REQUIRED TEMPORARY WORKS SUCH AS FORMWORK, BRACING, SHORING, ETC, AND FOR THE SAFETY IN AND AROUND THE JOBSITE DURING CONSTRUCTION.</div><div>6. THE CONTRACTOR SHALL EXAMINE ALL CONTRACT DRAWINGS, CHECK ALL DIMENSIONS AND REPORT ANY DISCREPANCIES BETWEEN STRUCTURAL AND OTHER DISCIPLINE DRAWINGS TO THE DEPARTMENT REPRESENTATIVE FOR CLARIFICATION PRIOR TO COMMENCING ANY WORK. DISCREPANCIES NOT REPORTED ARE THE RESPONSIBILITY OF THE CONTRACTOR.</div><div>7. DO NOT CUT OR DRILL ANY OPENINGS INTO STRUCTURAL MEMBERS WITHOUT OBTAINING PRIOR WRITTEN PERMISSION FROM THE DEPARTMENTAL REPRESENTATIVE. DO NOT CUT, DRILL OR OTHERWISE MODIFY DECK, JOISTS, BEAMS, STUDS OR BRACING, ETC. WITHOUT THE SPECIFIC WRITTEN CONSENT OF THE DEPARTMENTAL REPRESENTATIVE.</div></div> |

|   |            |   |                          |                             |  |  |
|---|------------|---|--------------------------|-----------------------------|--|--|
| 2   | 2016-07-15 | ISSUED FOR TENDER                       | RG, MA                   | JA, MC                      |  |  |
| 1   | 2016-05-27 | ISSUED FOR 99% CONSTR. DOCUM.           | RG, MA                   | JA, MC                      |  |  |
| 0   | 2016-02-15 | ISSUED FOR REVIEW                       | RG, MA                   | J. ATTRELL                  |  |  |
| No.   | Date       | Description                             | Drawn by<br>Dessiné par  | Approved by<br>Approuvé par |  |  |
| Revision / Révision   |            |   |                          |                             |  |  |
| <div><div><div><div>A</div><div>B</div><div>C</div></div><div>A - Detail Number / Numéro du détail<br/>B - Detail Location / Emplacement du détail<br/>C - Sheet Number / Numéro de la feuille</div></div><div><div><div>A</div><div>B</div><div>C</div></div><div>A - Detail Number / Numéro du détail<br/>B - Detail Location / Emplacement du détail<br/>C - Sheet Number / Numéro de la feuille</div></div></div>   |            |   |                          |                             |  |  |
| Linear dimensions in millimetres<br>Dimensions linéaires en millimètres   |            |   |                          |                             |  |  |
| <div><div>Consultant's Name / Nom de l'expert-conseil</div><div>Engineer's Stamp /<br/>Sceau de l'ingénieur</div></div> <div><div>PUBLIC WORKS AND GOVERNMENT<br/>SERVICES CANADA</div><div>Room 759 220-4th AVENUE SE<br/>CALGARY AB T2G 4X3</div></div> <div><div>THIS SEAL IS<br/>STRICTLY<br/>LIMITED AND<br/>APPLIES ONLY<br/>TO THE<br/>STRUCTURAL<br/>COMPONENTS<br/>OF THE WORK</div><div></div></div> |            |   |                          |                             |  |  |
| Client / client   |            |   |                          |                             |  |  |
| PARKS CANADA AGENCY<br>WESTERN REGION   |            |   |                          |                             |  |  |
| Project Title / Titre du projet   |            |   |                          |                             |  |  |
| MACHINE SHED<br>REHABILITATION  |            |   |                          |                             |  |  |
| BAR U RANCH NHS   |            |   |                          |                             |  |  |
| Drawing Title / Titre du dessin   |            |   |                          |                             |  |  |
| COVERSHEET  |            |   |                          |                             |  |  |
| Drawn by/Dessiné par<br>RG, MA  |            | Surveyed by/Arpenté par<br>PAT MCFADDEN |                          | Date<br>11/04/2016          |  |  |
| Designed by/Concept par<br>JOHN ATTRELL   |            | Reviewed by/Revisé par<br>MARK CHAMBERS |                          | Scale/Echelle               |  |  |
| Client Acceptance/Acceptation du client   |            |   | Approved by/Approuvé par |                             |  |  |
| <div><div>PARK RESPONSIBLE OFFICER/AGENT RESPONSABLE</div><div>DRAW</div><div>A &amp; E SERVICES/GENIE ET ARCHITECTURE</div><div>DRAW</div></div> <div><div>Project No./N° du projet<br/>R.081454.001</div><div>Asset No./N° du bien</div><div>Sheet No./N° de la feuille<br/>S0</div></div>  |            |   |                          |                             |  |  |
| Reference No./N° de référence du dessin   |            |   |                          |                             |  |  |



LOCATION PLAN



1 SITE PLAN  
S1 1:500



Public Works and  
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Canada

Travaux publics et  
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| Revision / Révision |            |                               |                         |                             |

A

C

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C - Sheet Number / Numéro de la feuille

Linear dimensions in millimeters  
Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consultant  
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA  
Room 759 220-4th AVENUE SE  
CALGARY AB T2G 4X3

Engineer's Stamp /  
Sceau de l'ingénieur  
JULY 15, 2016  
THIS SEAL IS  
STRICTLY  
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OF THE WORK

PROFESSIONAL ENGINEER  
ALBERTA

Client / client  
**PARKS CANADA AGENCY  
WESTERN REGION**

Project Title / Titre du projet  
**MACHINE SHED  
REHABILITATION**

**BAR U RANCH NHS**

Drawing Title / Titre du dessin  
**SITE PLAN**

|  |   |   |
|--|---|---|
| Drawn by/Dessiné par<br>RG, MA   | Surveyed by/Arpenté par                 | Date<br>11/04/2016  |
| Designed by/Concept par  | Reviewed by/Revisé par<br>MARK CHAMBERS | Scale/Echelle<br>1:200  |
| Client: Acceptance/Acceptation du client   |   | Approved by/Approuvé par  |
| PARK RESPONSIBLE OFFICER/AGENT RESPONSABLE<br>Project No./N° du projet<br>R.081454.001 |   | Asset No./N° du bien<br>Sheet No./N° de la feuille<br><b>S1</b> |
| Reference No./N° de référence du dessin  |   |   |









Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
Canada

## Heritage Conservation Western

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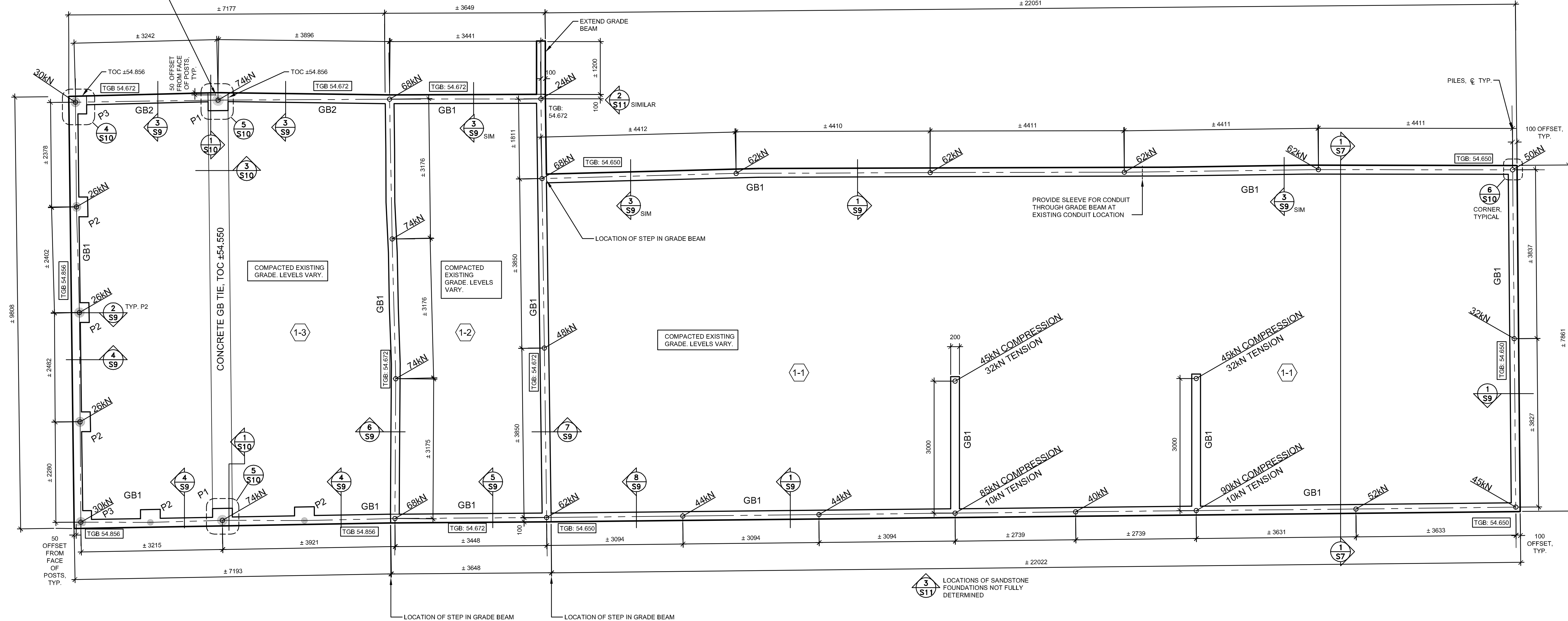
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TOP OF PILASTER ELEVATION: 54.856  
LOCATION OF PILASTER TO BE DETERMINED ON  
SITE AFTER INSTALLATION OF NEW LOG ROOF  
BEAM ABOVE AND PLUMBING OF COLUMNS.  
TYPICAL BOTH ENDS OF BEAM.



## 1 FOUNDATION PLAN

1:50

### BAR U MACHINE SHED STRUCTURAL REHABILITATION CONSTRUCTION NOTES AND PROCEDURE

1. SEE NOTES ON COVER PAGE S0 AND SPECIFICATIONS:
  - 1.1. CONTRACTOR TO COORDINATE WORK WITH PARKS CANADA ARCHAEOLOGISTS AND ENGAGE RECORDING ARCHAEOLOGISTS AS REQUIRED.
  - 1.2. CONTRACTOR TO COORDINATE WORK WITH PARKS CANADA REPRESENTATIVES.
  - 1.3. CONTRACTOR TO SURVEY SITE.
  - 1.4. CONTRACTOR TO HIRE A PROFESSIONAL ENGINEER FOR LIFTING DESIGN.
  - 1.5. CONTRACTOR TO UNDERTAKE PHOTOGRAPHIC DOCUMENTATION.
  - 1.6. CONTRACTOR TO ALIGN AND STRAIGHTEN BUILDING- PROPOSED PROCEDURE.
2. THE FOUNDATION IS TO BE CONSTRUCTED SUCH THAT THE WALL TOP AND BOTTOM PLATES ARE CONSISTENT IN ELEVATION IN EACH OF THE THREE SEPARATE BUILDING SEGMENTS. THE TOP OF FOUNDATION WALL IN EACH OF THE THREE SEGMENTS IS INDICATED ON THE DRAWINGS BUT MUST BE CONFIRMED THROUGH MEASUREMENTS TAKEN ON SITE BY THE CONTRACTOR WHEN THE BUILDING IS LIFTED.
3. ALL CONCRETE VISIBLE TO VIEW SHALL BE EXPOSED AGGREGATE FINISH TO PROVIDE A "WEATHERED" OR "BUSH HAMMERED" APPEARANCE. USE MAXIMUM 20 MM ROUND AGGREGATE. REFER TO BLACKSMITH SHOP NEARBY AS A REFERENCE.
4. PORTIONS OF THE ORIGINAL BUILDING FOUNDATION THAT ARE DISCOVERED DURING BUILDING LIFTING AND EXCAVATION FOR THE NEW FOUNDATION MUST BE PROTECTED. CAREFULLY DOCUMENTED PHOTOGRAPHICALLY WITH RESPECT TO DIMENSIONS AND POSITION AND THEN ACCOMMODATED IN THE RELATIVE LOCATION AND CONFIGURATION IN THE NEW FOUNDATION. REFER TO DETAILS ON PAGE S11.
5. ALL EXCAVATION TO BE CARRIED-OUT WITH HAND TOOLS ONLY DUE TO POTENTIAL DISCOVERY OF ARCHAEOLOGICAL ARTIFACTS. SEE SPECIFICATIONS FOR FURTHER DETAILS.
6. FOR TOP OF GRADE BEAM LOGIC SEE BELOW.
7. TOP OF GRAVEL IS TO BE 50mm LOWER THAN TOP OF GRADE BEAMS EXCEPT FOR AT DOORS. AS THE LEVELS OF GRADE VARY, THE DEPTHS OF GRAVEL WILL VARY.

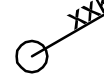
#### NOTES TOP OF GRADE BEAM LOGIC:

- ALL SURVEY LEVELS MUST BE CONFIRMED ON SITE AS CURRENT CONDITIONS MAY VARY.
- IT HAS BEEN ASSUMED THAT THE BOTTOMS OF ALL SECTIONS 1-1, 1-2 AND 1-3 CAN BE MADE LEVEL. THIS IS TO BE CONFIRMED ON SITE.
- ON THESE DRAWINGS A POINT SLIGHTLY EAST OF THE SOUTHWESTERN CORNER IS TAKEN TO BE HIGHEST POINT OF GRADE ADJACENT TO BUILDING ± 54.41. THIS IS TO BE CONFIRMED ON SITE.
- TOP OF GRADE BEAM AT THIS POINT IS 15mm HIGHER
- NEXT LOWER HEIGHT OF GRADE BEAM IS DETERMINED BY MEASURED DISTANCE BETWEEN BOTTOM OF NEW SILL PLATES OF SECTION 1-2, AND BOTTOM OF STRUCTURE OF SECTION 1-3. THE DRAWINGS HAVE ASSUMED THIS MEASURED DISTANCE TO BE 184mm. THIS IS TO BE CONFIRMED ON SITE.
- THE NEXT LOWER HEIGHT OF GRADE BEAM IS DETERMINED AGAIN BY THE MEASURED DISTANCE BETWEEN THE BOTTOM OF NEW SILL PLATES OF SECTION 1-1 AND THE BOTTOM OF NEW SILL PLATES OF SECTION 1-2. THE DRAWINGS HAVE ASSUMED THIS MEASURED DISTANCE TO BE 22mm. THIS IS TO BE CONFIRMED ON SITE.

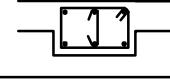
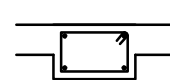

### GRADE BEAM SCHEDULE

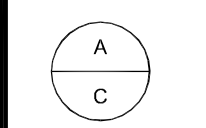
|     | WIDTH | DEPTH                                 | REINFORCING   |
|-----|-------|---------------------------------------|---|
| GB1 | 200   | 800                                   | 2-15M CONT. T&B<br>10M@ 200 HEF 10M<br>STIRRUPS @ 300 O/C       |
| GB2 | 200   | 600                                   | 2-15M CONT. T&B<br>10M@ 200 HEF 10M<br>STIRRUPS @ 300 O/C       |
|     |       | 500-700 AS REQUIRED<br>FOR SAND STONE | 2-15 M CONT. T&B 10M<br>@200 HEF CONT. 10M<br>STIRRUPS @ 200O/C |

### NOTES:

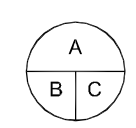
- ALL REINFORCING EMBEDDED IN CONCRETE AND WOOD SHALL BE EPOXY COATED. REFER TO SPECIFICATION.
- ALL PILES SHALL BE STEEL PIPE HELICAL TYPE. CONTRACTORS PILING ENGINEER SHALL DESIGN PILES IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION AND THE SPECIFIED WORKING LOADS ON THE PLAN.
- PILES INDICATED THUS  ON PLAN
- TOP OF GRADE BEAM ELEVATIONS ARE INDICATED THUS: [TGB: ±54.xxx] AND ARE APPROXIMATIONS.

### PILASTER SCHEDULE

|    | WIDTH | DEPTH | REINFORCING   |
|----|-------|-------|---|
| P1 | 450   | 400   | 6-15 VERTICAL C/W 10M<br>TIES IN SET OF 2 @ 250<br>O/C TOP<br> |
| P2 | 400   | 400   | 4-15M VERTICAL 10M<br>TIES @ 250 O/C 2 TOP<br>                 |
| P3 | 400   | 400   | 4-15M VERTICAL 10M<br>TIES @ 250 O/C 2 TOP<br>                 |



A - Detail Number / Numéro du détail  
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Linear dimensions in millimeters

Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-consult

Engineer's Stamp /  
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Drawing Title / Titre du dessin

FOUNDATION PLAN

Drawn by/Dessiné par  
RG, MA

Surveyed by/Arpenté par  
PAT MCFADDEN

Date  
11/04/2016

Designed by/Concept par  
JOHN ATTRELL

Reviewed by/Revisé par  
MARK CHAMBERS

Scale/Echelle  
1:50

Client: Acceptance/Acception du client

Approved by/Approuvé par

PARK RESPONSIBLE OFFICER/AGENT RESPONSIBLE

Date

Project No./N° du projet  
R.081454.001

Asset No./N° du bien

Sheet No./N° de  
la feuille

Reference No./N° de référence du dessin

S3





Public Works and  
Government Services  
Canada

Travaux publics et  
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Canada

## Heritage Conservation Western

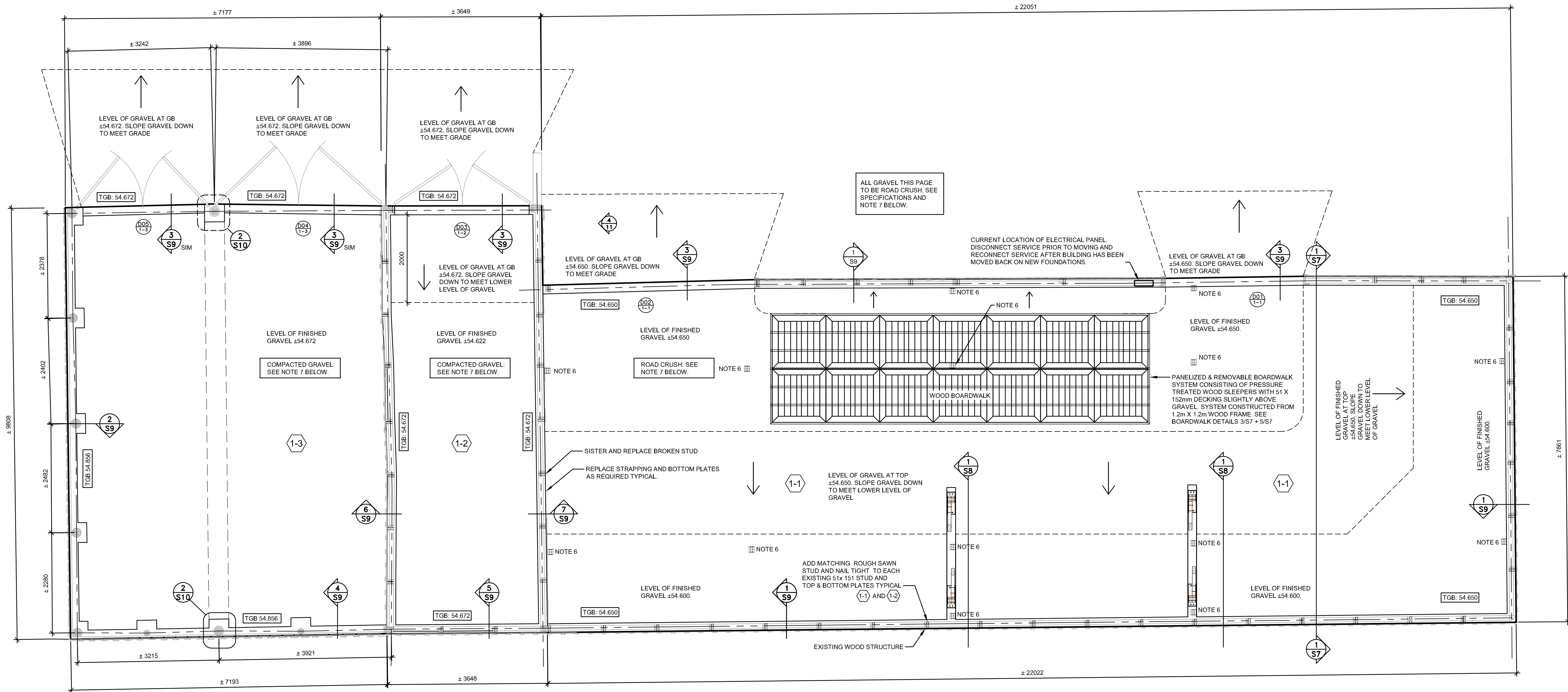
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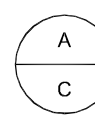


## 1 S4 MAIN FLOOR PLAN

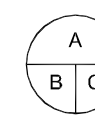
1:50

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1. SEE NOTES ON COVER PAGE S0 AND SPECIFICATIONS:
  - 1.1. CONTRACTOR TO COORDINATE WORK WITH ARCHAEOLOGIST.
  - 1.2. CONTRACTOR TO COORDINATE WORK WITH PARKS CANADA REPRESENTATIVES.
  - 1.3. CONTRACTOR TO SURVEY SITE.
  - 1.4. CONTRACTOR TO HIRE A PROFESSIONAL ENGINEER FOR LIFTING DESIGN.
  - 1.5. CONTRACTOR TO UNDERTAKE PHOTOGRAPHIC DOCUMENTATION.
  - 1.6. CONTRACTOR TO ALIGN AND STRAIGHTEN BUILDING- PROPOSED PROCEDURE.
2. ALL ROTTED STRUCTURAL MATERIAL IN THE WALLS IS TO BE REPLACED IN KIND. CUT ROTTED BOTTOMS OF EXISTING STUDS ONLY AS REQUIRED TO REMOVE ROTTED MATERIAL AND REPLACE IN KIND.
3. DUE TO THE CONSTRUCTION METHODS AND MATERIALS USED IN THE ORIGINAL CONSTRUCTION OF THE BUILDING THERE MAY BE SOME VARIABILITY IN THE LENGTHS OF WALL STUDS THUS CREATING IN THE FINAL CONFIGURATION A POSSIBILITY THAT THE TOP PLATES OF THE BEARING WALLS MAY NOT BE AT EXACTLY THE SAME ELEVATION AROUND THE BUILDING. THE BOTTOM WALL PLATES WILL BE HORIZONTAL ON THE FOUNDATION WALLS IN THEIR FINAL CONFIGURATION AND ALL SISTERED STUDS SHALL BE OF EQUAL LENGTH (TO MATCH LONGEST EXISTING STUD) THROUGHOUT EACH INDIVIDUAL BUILDING SEGMENT.
4. THE WALL STRUCTURE VARIES ALONG THE NORTH WALL. SEE SECTIONS H, J, K, L OF PAGE 17 OF THE HERITAGE RECORDING DRAWINGS FOR DETAILS. FOR OTHER WALL DETAILS, SEE BUILDING SECTIONS A-A THROUGH G-G OF THE HERITAGE RECORDING DRAWINGS.
5. REINFORCING OF THE ROOF RAFTERS SHOULD BE UNDERTAKEN DURING THE WORK PROCEDURE AT A TIME WHEN THE EXISTING RAFTERS ARE STRAIGHTEST IN ORDER TO BEST AND MOST EASILY SISTER THESE MEMBERS. BASED ON THE PERMANENT DEFLECTED SHAPE OF THE RAFTERS UNDER DEAD LOADS IN THEIR PRESENT STATE, THE SISTERING SHOULD BE UNDERTAKEN WHEN THE STRUCTURE IS LIFTED AND THE RAFTERS ARE STRAIGHTEST. THE METHOD OF LIFTING MUST TAKE THESE FACTORS INTO ACCOUNT.
6. REMOVAL OF EXISTING TEMPORARY STABILIZATION MEMBERS IS TO BE UNDERTAKEN WITH CARE. DRAWN LOCATIONS OF TEMPORARY STRUCTURES ARE APPROXIMATE AND MAY VARY ON SITE. NUMBER OF POSTS MAY VARY.
7. WHEN GRADE BEAM IS COMPLETE, BACKFILL AND COMPACT EXISTING GRADE TO 98% SPDD. INSTALL GEOTEXTILE OVER ENTIRE MAIN FLOOR AREA. ADD GRAVEL (ROAD CRUSH) IN 200mm LIFTS MAXIMUM AND COMPACT TO 98% SPDD. INSTALL WOOD BOARDWALK ON 200mm COMPACTED GRAVEL AND THEN INSTALL REMAINDER OF GRAVEL TO 50mm BELOW TOP OF GRADE BEAM. RAMP UP TO DOORS AND BOARDWALK.



A - Detail Number / Numéro du détail  
B - Detail Location / Emplacement du détail  
C - Sheet Number / Numéro de la feuille



Linear dimensions in millimetres

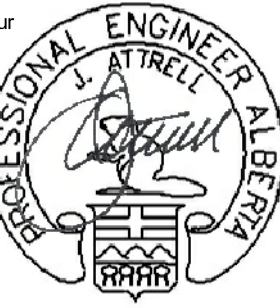
Dimensions linéaires en millimètres

Consultant's Name / Nom de l'expert-conseil

Engineer's Stamp /  
Sceau de l'ingénieur

PUBLIC WORKS AND GOVERNMENT  
SERVICES CANADA  
Room 759 220-4th AVENUE SE  
CALGARY AB T2G 4X3

JULY 15, 2016  
THIS SEAL IS  
STRICTLY  
LIMITED AND  
APPLIES ONLY  
TO THE  
STRUCTURAL  
COMPONENTS  
OF THE WORK



Client / client

PARKS CANADA AGENCY  
WESTERN REGION

Project Title / Titre du projet

MACHINE SHED  
REHABILITATION

BAR U RANCH NHS

Drawing Title / Titre du dessin

MAIN FLOOR PLAN

Drawn by/Dessiné par

RG, MA

Surveyed by/Arpenté par

PAT MCFADDEN

Date

11/04/2016

Designed by/Concept par

JOHN ATTRELL

Reviewed by/Revisé par

MARK CHAMBERS

Scale/Echelle

1:50

Client Acceptance/Acceptation du client

Approved by/Approuvé par

PARK RESPONSIBLE OFFICER/AGENT RESPONSABLE

Project No./N° du projet

R.081454.001

A & E SERVICES/GENIE ET ARCHITECTURE

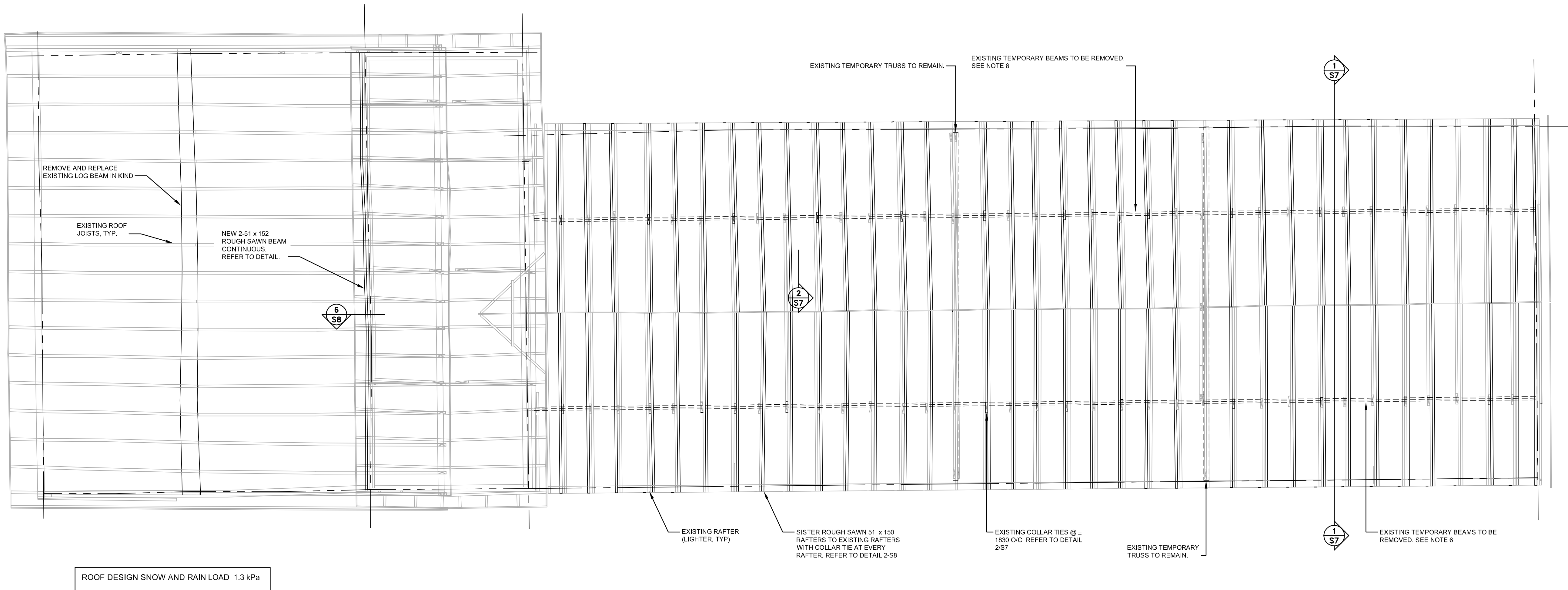
Asset No./N° du bien

Sheet No./N° de la feuille

S4

Reference No./N° de référence du dessin





**1**  
**S5** **ROOF FRAMING PLAN**  
1:50

**BAR U MACHINE SHED STRUCTURAL REHABILITATION CONSTRUCTION NOTES AND PROCEDURE**

- SEE NOTES ON COVER PAGE S0 AND SPECIFICATIONS:
  - CONTRACTOR TO COORDINATE WORK WITH ARCHAEOLOGIST.
  - CONTRACTOR TO COORDINATE WORK WITH PARKS CANADA REPRESENTATIVES.
  - CONTRACTOR TO SURVEY SITE.
  - CONTRACTOR TO HIRE A PROFESSIONAL ENGINEER FOR LIFTING DESIGN.
  - CONTRACTOR TO UNDERTAKE PHOTOGRAPHIC DOCUMENTATION.
  - CONTRACTOR TO ALIGN AND STRAIGHTEN BUILDING- PROPOSED PROCEDURE.
- ALL ROTTED STRUCTURAL MATERIAL IN THE WALLS IS TO BE REPLACED IN KIND.
- DUE TO THE CONSTRUCTION METHODS AND MATERIALS USED IN THE ORIGINAL CONSTRUCTION OF THE BUILDING THERE MAY BE SOME VARIABILITY IN THE LENGTHS OF WALL STUDS THUS CREATING IN THE FINAL CONFIGURATION A POSSIBILITY THAT THE TOP PLATES OF THE BEARING WALLS MAY NOT BE AT EXACTLY THE SAME ELEVATION AROUND THE BUILDING. THE BOTTOM WALL PLATES WILL BE HORIZONTAL ON THE FOUNDATION WALLS IN THEIR FINAL CONFIGURATION AND ALL SISTERED STUDS SHALL BE OF EQUAL LENGTH THROUGHOUT EACH INDIVIDUAL SEGMENT.
- THE WALL STRUCTURE VARIES ALONG THE NORTH WALL. SEE SECTIONS H, J, K, L OF PAGE 17 OF THE HERITAGE RECORDING DRAWINGS FOR DETAILS. FOR OTHER WALL DETAILS, SEE BUILDING SECTIONS A-A THROUGH G-G OF THE HERITAGE RECORDING DRAWINGS.
- REINFORCING OF THE ROOF RAFTERS SHOULD BE UNDERTAKEN DURING THE WORK PROCEDURE AT A TIME WHEN THE EXISTING RAFTERS ARE STRAIGHTEST IN ORDER TO BEST AND MOST EASILY SISTER THESE MEMBERS. BASED ON THE PERMANENT DEFLECTED SHAPE OF THE RAFTERS UNDER DEAD LOADS IN THEIR PRESENT STATE, THE SISTERING SHOULD BE UNDERTAKEN WHEN THE STRUCTURE IS LIFTED AND THE RAFTERS ARE STRAIGHTEST. THE METHOD OF LIFTING MUST TAKE THESE FACTORS INTO ACCOUNT.
- REMOVAL OF EXISTING TEMPORARY STABILIZATION MEMBERS IS TO BE UNDERTAKEN WITH CARE. DRAWN LOCATIONS OF TEMPORARY STRUCTURES ARE APPROXIMATE AND MAY VARY ON SITE.
- INSTALL NEW LIGHTING FROM EXISTING PANEL. ALL CONDUIT TO BE METAL AND BEHIND STRUCTURAL MEMBERS, TYPICAL TO BE THE LEAST VISIBLE AS POSSIBLE.

- NOTES:**
- THE CURRENT BUILDING ALIGNMENT AND DIMENSIONS MAY VARY FROM THE RECORD DRAWINGS AND MUST BE CONFIRMED PRIOR TO CONSTRUCTION.
  - ANY DISCREPANCIES BETWEEN THE DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE PRIOR TO COMMENCING ANY WORK.
  - THE DRAWINGS REPRESENT AN EXISTING BUILDING AND ARE NOT TO BE SCALED. SITE CONDITIONS WILL ALWAYS TAKE PRECEDENT.
  - EXISTING ELEMENTS OF THE BUILDING ARE TO BE PROTECTED IN ACCORDANCE WITH CONSERVATION PRINCIPLES.

|                     |            |                               |                         |                             |
|---------------------|------------|-------------------------------|-------------------------|-----------------------------|
| 2                   | 2016-07-15 | ISSUED FOR TENDER             | RG, MA                  | JA, MC                      |
| 1                   | 2016-05-27 | ISSUED FOR 99% CONSTR. DOCUM. | RG, MA                  | JA, MC                      |
| 0                   | 2016-02-15 | ISSUED FOR REVIEW             | RG, MA                  | J. ATTRELL                  |
| No.                 | Date       | Description                   | Drawn by<br>Dessiné par | Approved by<br>Approuvé par |
| Revision / Révision |            |                               |                         |                             |

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| Linear dimensions in millimeters<br>Dimensions linéaires en millimètres   | Engineer's Stamp /<br>Sceau de l'ingénieur<br>JULY 15, 2016<br>THIS SEAL IS<br>STRICTLY<br>LIMITED AND<br>APPLIES ONLY<br>TO THE<br>STRUCTURAL<br>COMPONENTS<br>OF THE WORK |
| Consultant's Name / Nom de l'expert-conseil<br><br>PUBLIC WORKS AND GOVERNMENT<br>SERVICES CANADA<br><br>Room 759 220-4th AVENUE SE<br>CALGARY AB T2G 4X3 |   |

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| Client / client<br><br><b>PARKS CANADA AGENCY<br/>WESTERN REGION</b>                                   |
| Project Title / Titre du projet<br><br><b>MACHINE SHED<br/>REHABILITATION<br/><br/>BAR U RANCH NHS</b> |

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| Drawing Title / Titre du dessin |  |  |
| ROOF FRAMING PLAN               |  |  |
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Heritage Conservation Western

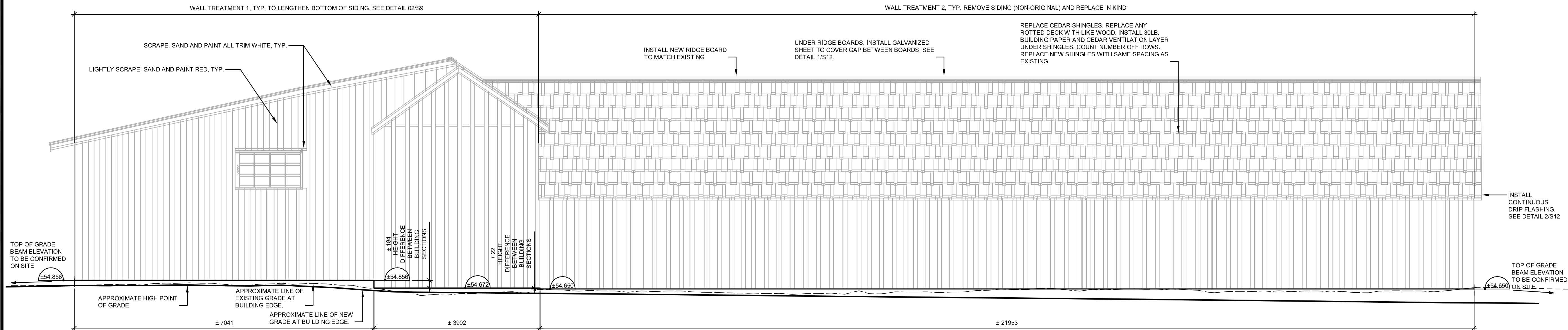
Heritage Conservation  
Professional and Technical Services  
Real Property Branch, Western Region  
Calgary, Alberta

Conservation du patrimoine de l'Ouest

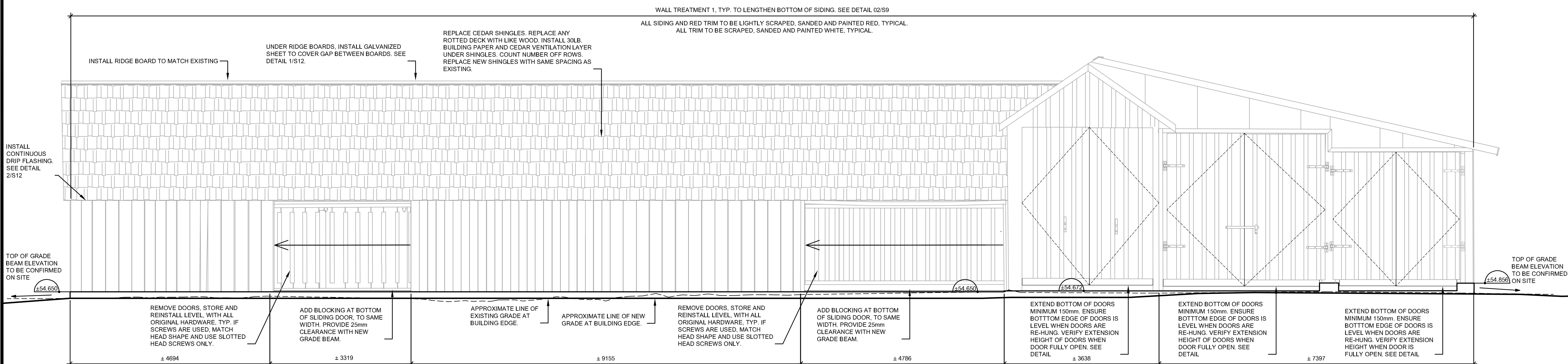
Conservation du patrimoine  
Services professionnels et techniques  
Direction des services immobiliers, Région de l'Ouest  
Calgary, Alberta

NOTES:

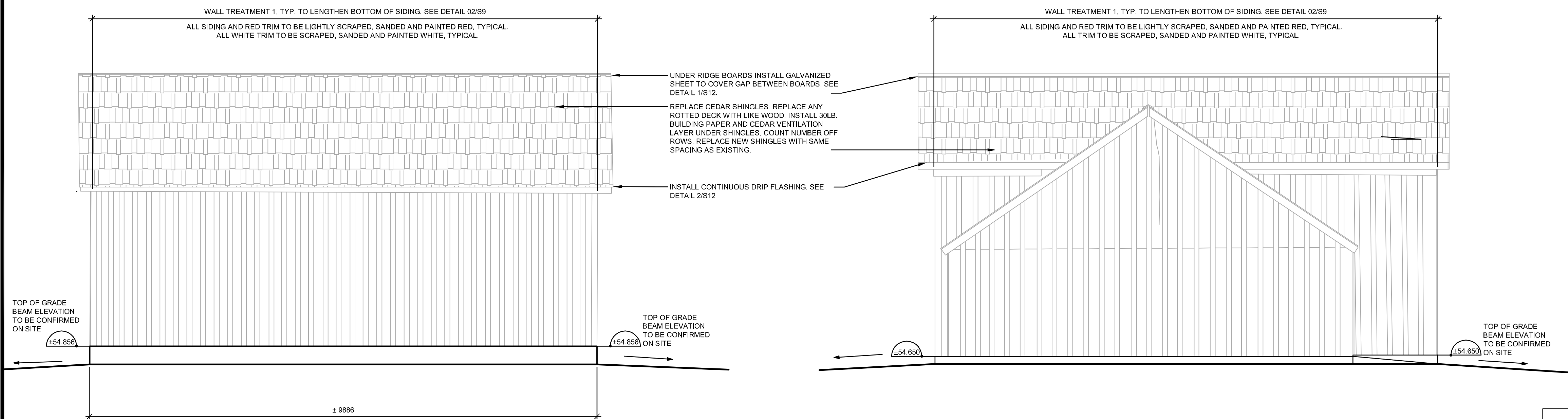
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1 SOUTH ELEVATION  
S6 1:50



2 NORTH ELEVATION  
S6 1:50



3 WEST ELEVATION  
S6 1:50

3 EAST ELEVATION  
S6 1:50

NOTE: CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND ALIGNMENT OF WALLS ON SITE. DIMENSIONS INDICATED ARE FROM THE HISTORIC RECORD DRAWING AND MAY VARY ON SITE

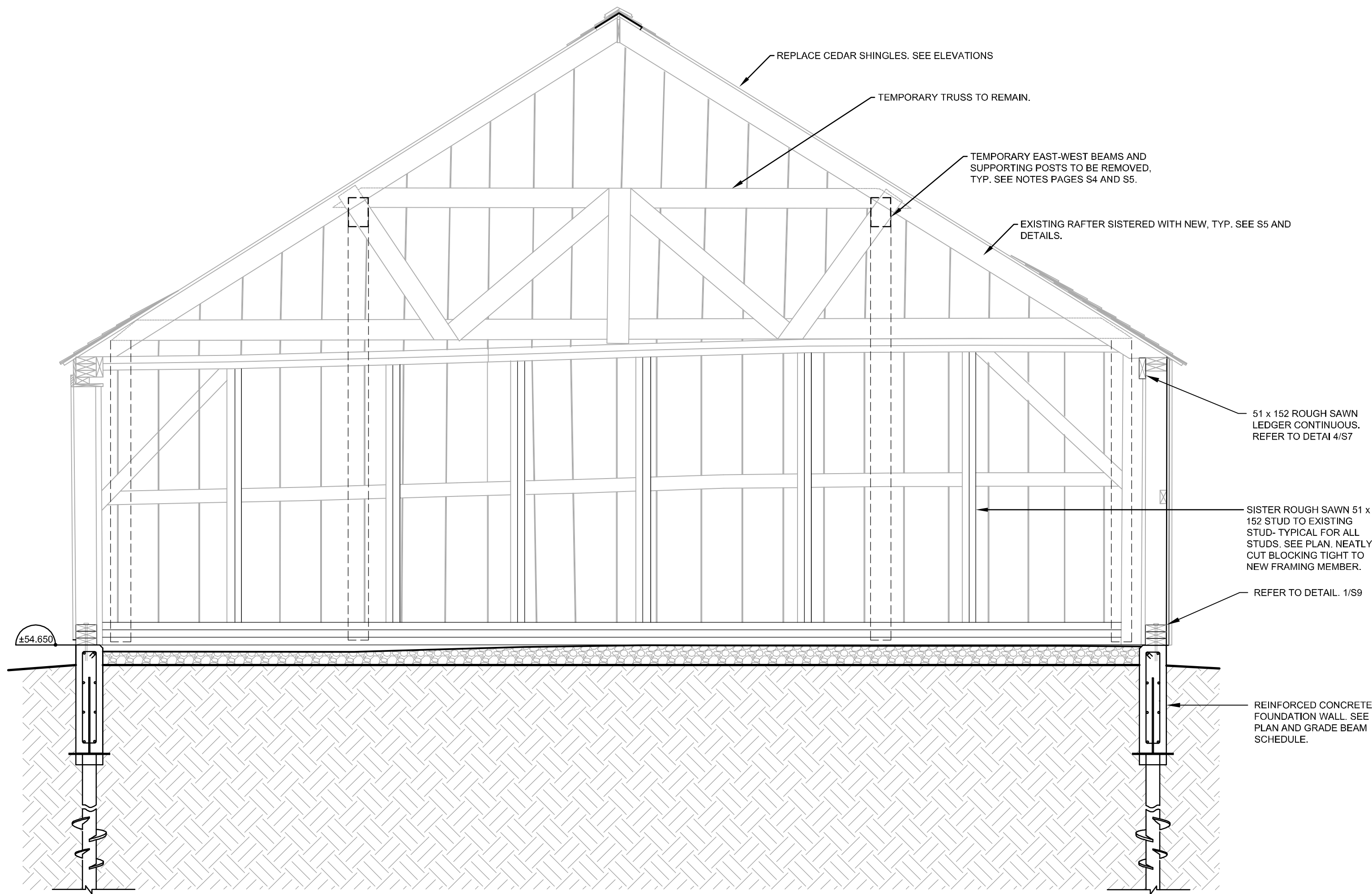
| No. | Date       | Description                   | Drawn by<br>Dessiné par | Approved by<br>Approuvé par |
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| Linear dimensions in millimetres   | Dimensions linéaires en millimètres   |
|--|---|
| Consultant's Name / Nom de l'expert-consult  | Engineer's Stamp /<br>Sceau de l'ingénieur  |
| PUBLIC WORKS AND GOVERNMENT<br>SERVICES CANADA<br>Room 759 220-4th AVENUE SE<br>CALGARY AB T2G 4X3 | JULY 15, 2016<br>THIS SEAL IS<br>STRICTLY<br>LIMITED AND<br>APPLIES ONLY<br>TO THE<br>STRUCTURAL<br>COMPONENTS<br>OF THE WORK |

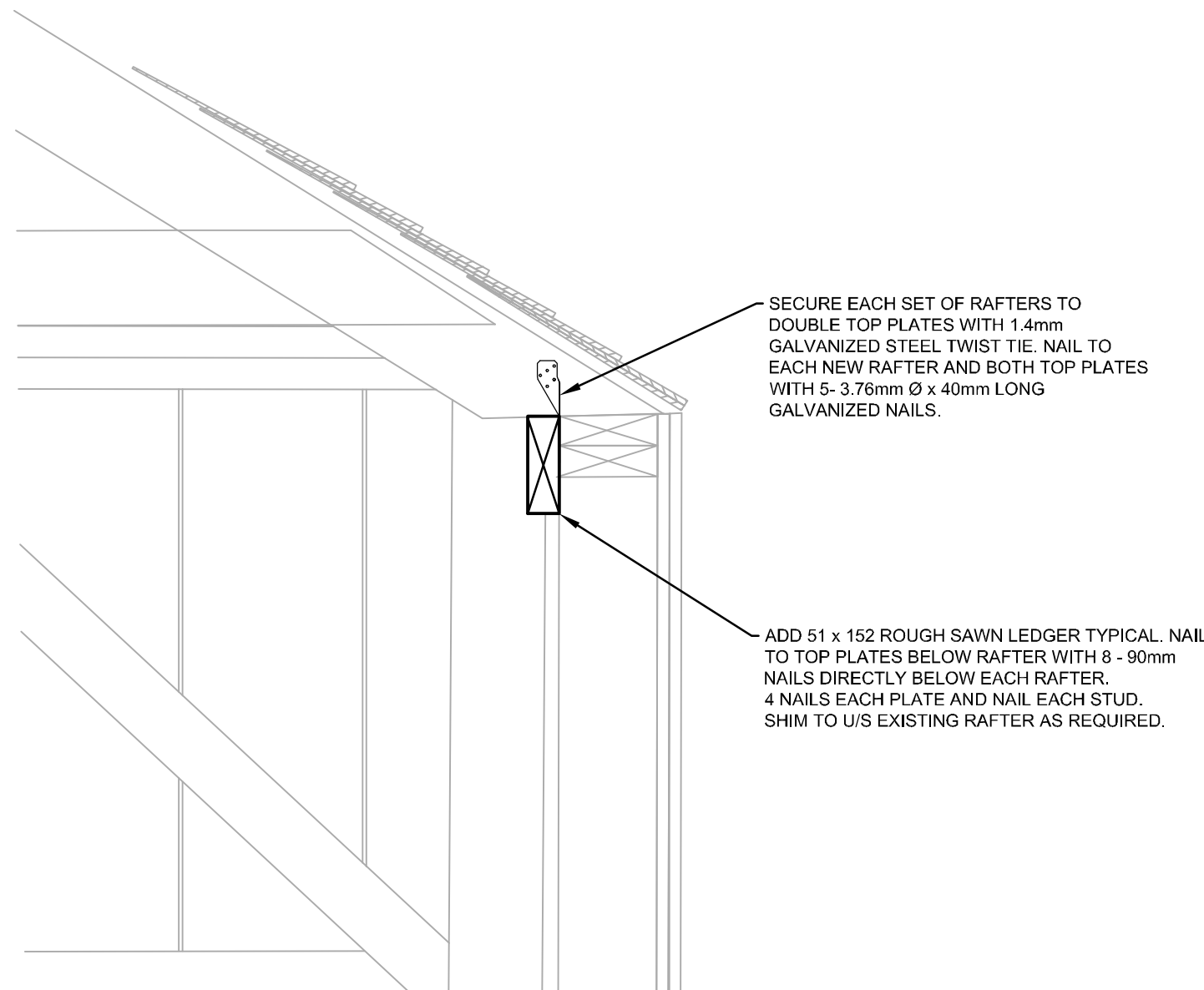
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| Client / client                 | PARKS CANADA AGENCY<br>WESTERN REGION             |
| Project Title / Titre du projet | MACHINE SHED<br>REHABILITATION<br>BAR U RANCH NHS |

|  |   |                                      |
|--|---|--------------------------------------|
| Drawing Title / Titre du dessin            |   |                                      |
| ELEVATIONS                                 |   |                                      |
| Drawn by/Dessiné par<br>RG, MA             | Surveyed by/Arpenté par<br>PAT MCFADDEN | Date<br>11/04/2016                   |
| Designed by/Concept par<br>JOHN ATTRELL    | Reviewed by/Revisé par<br>MARK CHAMBERS | Scale/Echelle<br>1:50                |
| Client: Acceptance/Acceptation du client   |   | Approved by/Approuvé par             |
| PARK RESPONSIBLE OFFICER/AGENT RESPONSABLE |   | A & E SERVICES/GENIE ET ARCHITECTURE |
| Project No./N° du projet<br>R.081454.001   | Asset No./N° du bien                    | Sheet No./N° de la feuille<br>S6     |
| Reference No./N° de référence du dessin    |   |                                      |

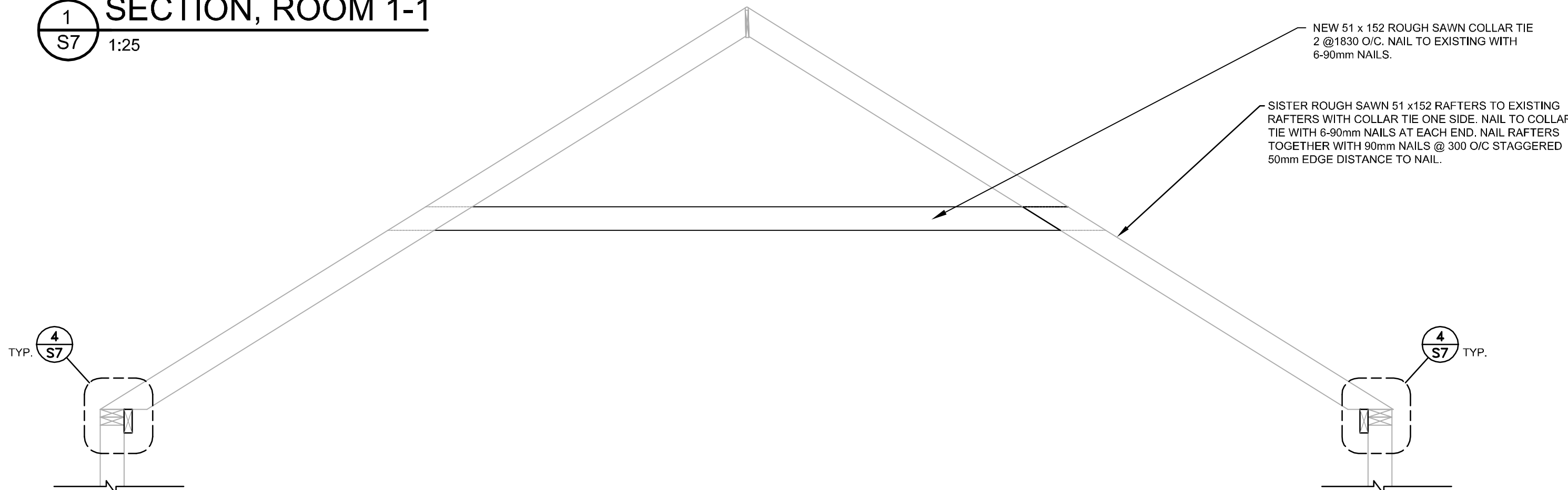




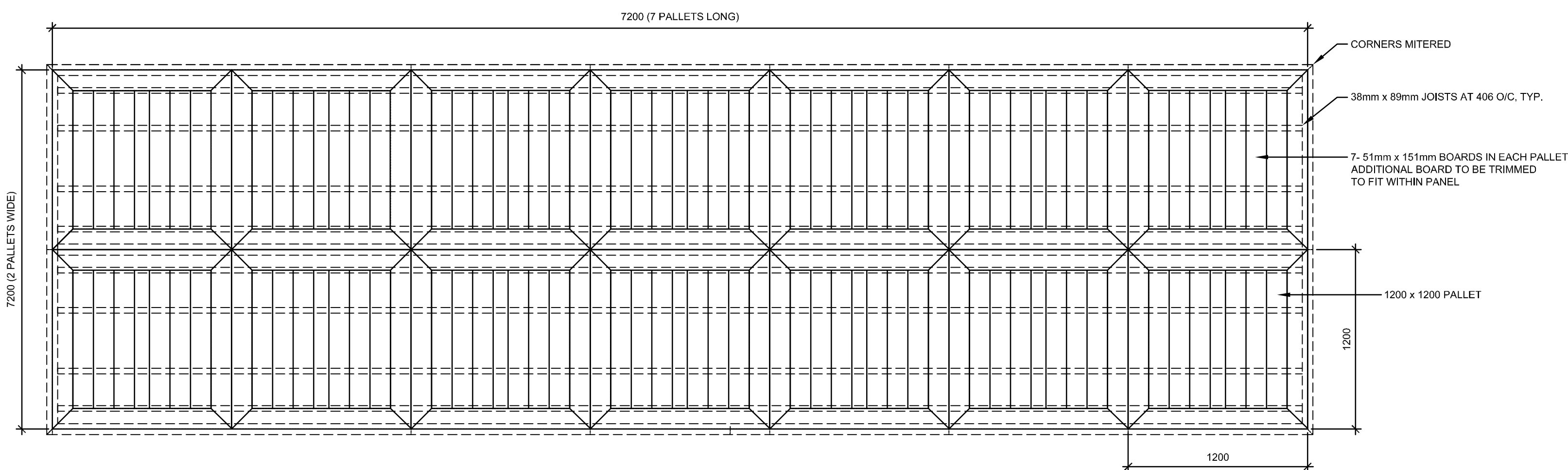
1 SECTION, ROOM 1-1  
1:25



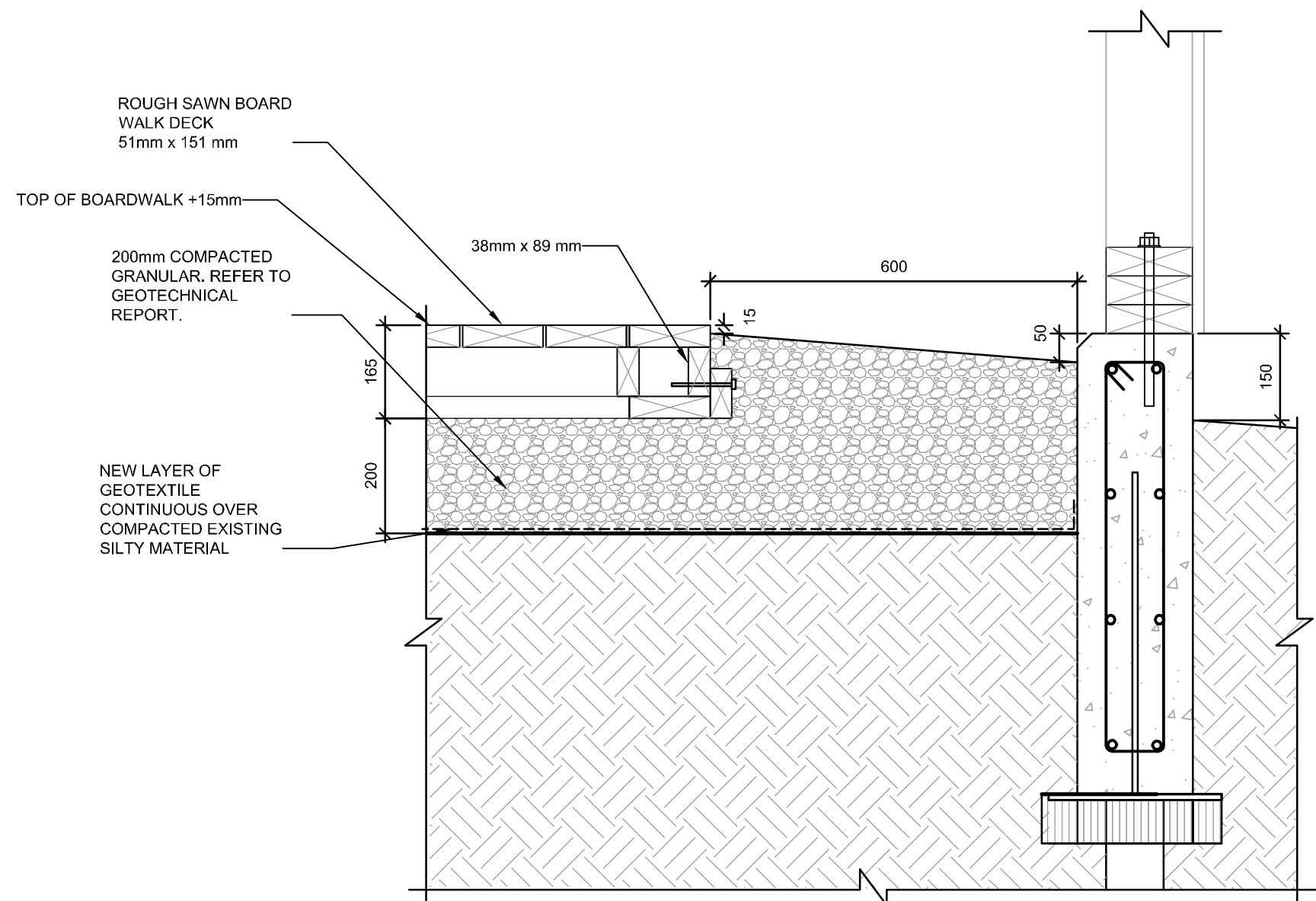
4 TYPICAL NEW LEDGER DETAIL  
1:10



2 TYPICAL COLLAR TIE DETAIL  
1:25



3 BOARDWALK PLAN  
1:25



5 BOARDWALK DETAIL  
1:10

Heritage Conservation Western

Heritage Conservation  
Professional and Technical Services  
Real Property Branch, Western Region  
Calgary, Alberta

Conservation du patrimoine de l'Ouest

Conservation du patrimoine  
Services professionnels et techniques  
Direction des services immobiliers, Région de l'Ouest  
Calgary, Alberta

NOTES:

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Revision / Révision

|   |  |             |
|---|--|-------------|
| A<br>C  | A - Detail Number / Numéro du détail<br>B - Detail Location / Emplacement du détail<br>C - Sheet Number / Numéro de la feuille | A<br>B<br>C |
| Linear dimensions in millimeters<br>Dimensions linéaires en millimètres   |  |             |
| Consultant's Name / Nom de l'expert-conseil   |  |             |
| PUBLIC WORKS AND GOVERNMENT<br>SERVICES CANADA<br>Room 759 220-4th AVENUE SE<br>CALGARY AB T2G 4X3  |  |             |
| Engineer's Stamp /<br>Sceau de l'ingénieur<br>JULY 15, 2016<br>THIS SEAL IS<br>STRICTLY<br>LIMITED AND<br>APPLIES ONLY<br>TO THE<br>STRUCTURAL<br>COMPONENTS<br>OF THE WORK |  |             |
| Client / client   |  |             |

PARKS CANADA AGENCY  
WESTERN REGION

Project Title / Titre du projet

MACHINE SHED  
REHABILITATION  
BAR U RANCH NHS

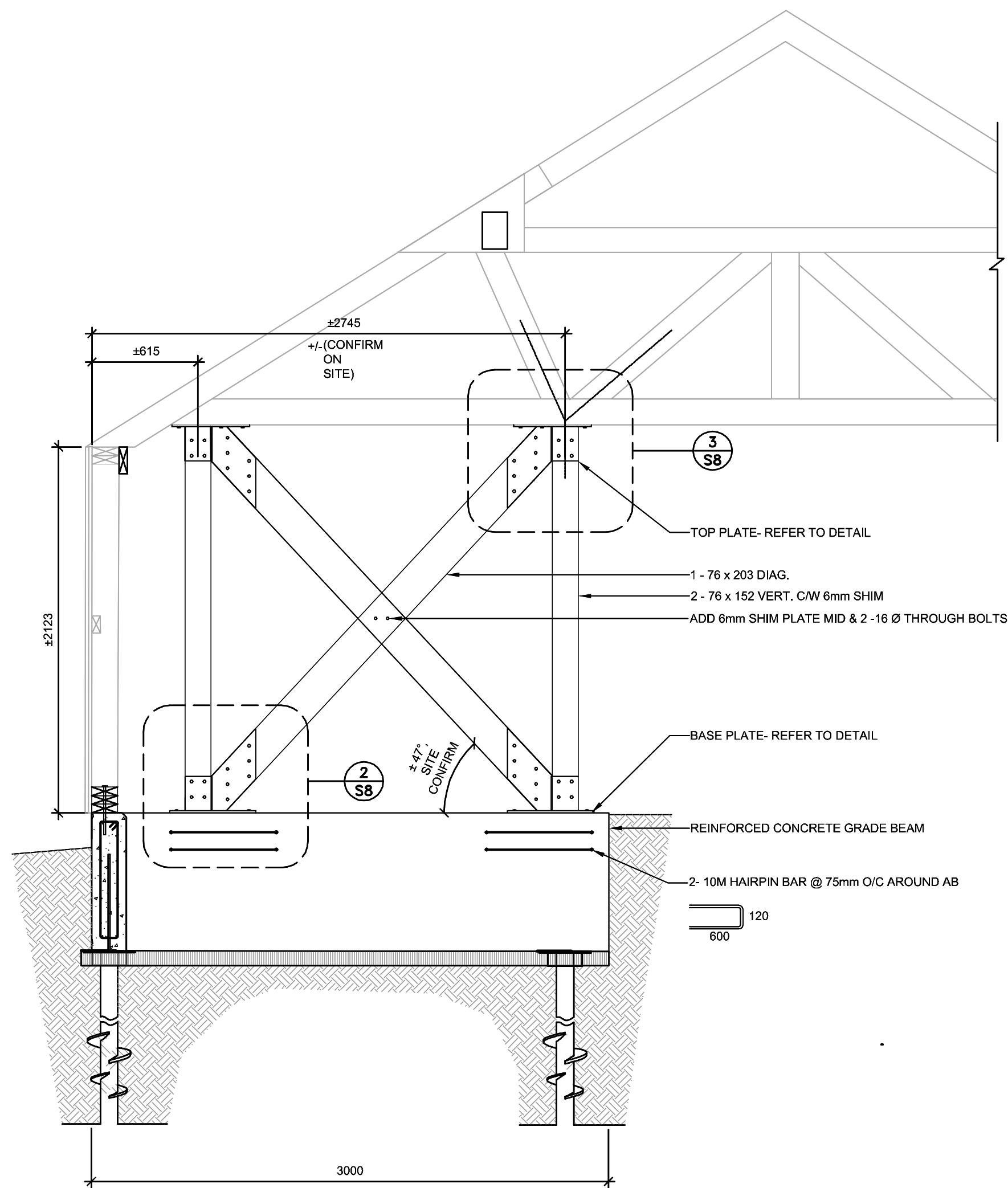
Drawing Title / Titre du dessin

TRANSVERSE SECTION  
& DETAILS

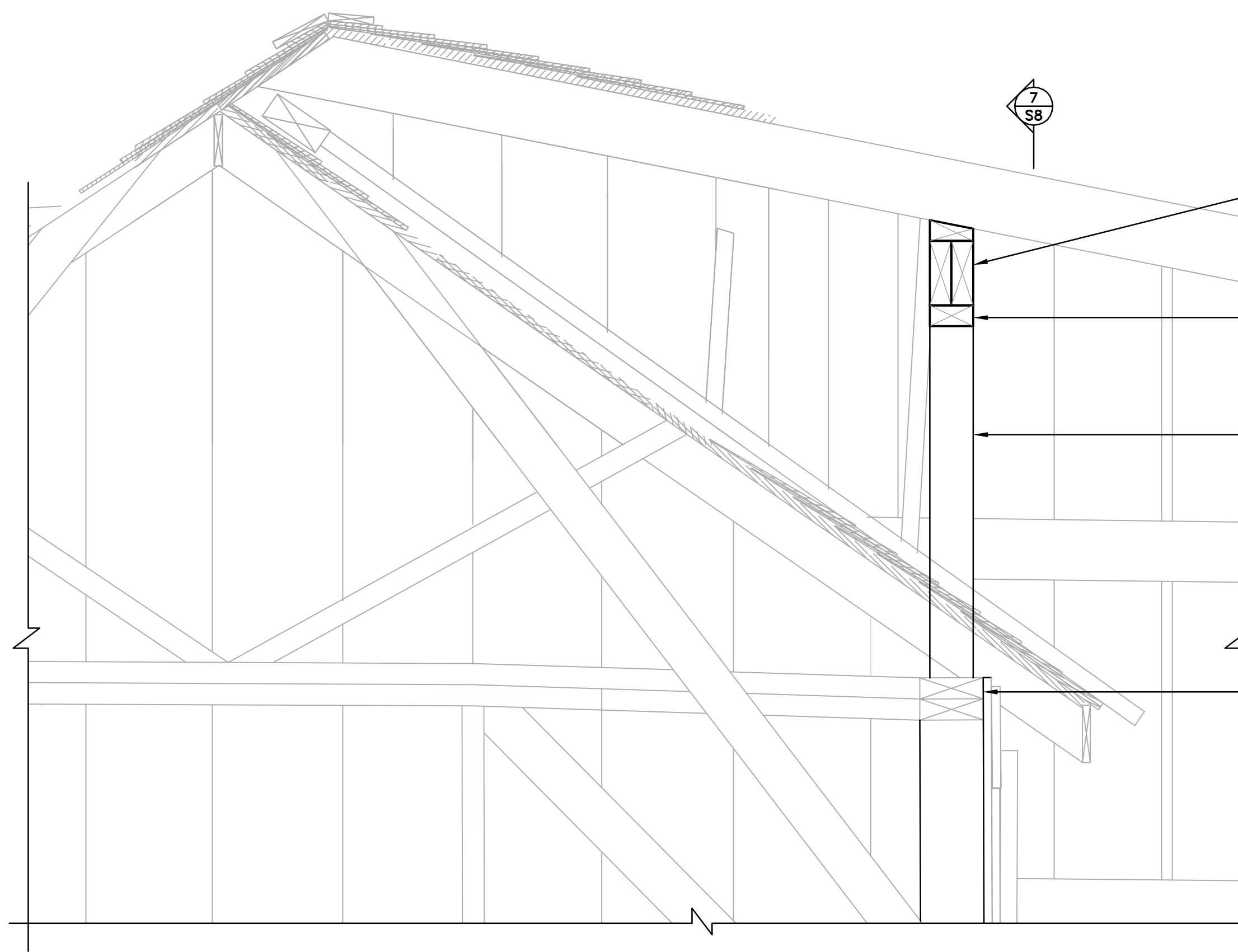
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| Drawn by/Dessiné par<br>RG, MA          | Surveyed by/Arpenté par<br>PAT MCFADDEN | Date<br>11/04/2016        |
| Designed by/Concept par<br>JOHN ATTRELL | Reviewed by/Revisé par<br>MARK CHAMBERS | Scale/Echelle<br>AS NOTED |

|  |                      |                                  |
|--|----------------------|----------------------------------|
| Client: Acceptance/Acceptation du client   |                      | Approved by/Approuvé par         |
| PARK RESPONSIBLE OFFICER/AGENT RESPONSIBLE |                      | DATE                             |
| Project No./N° du projet<br>R.081454.001   | Asset No./N° du bien | Sheet No./N° de la feuille<br>S7 |
| Reference No./N° de référence du dessin    |                      |                                  |

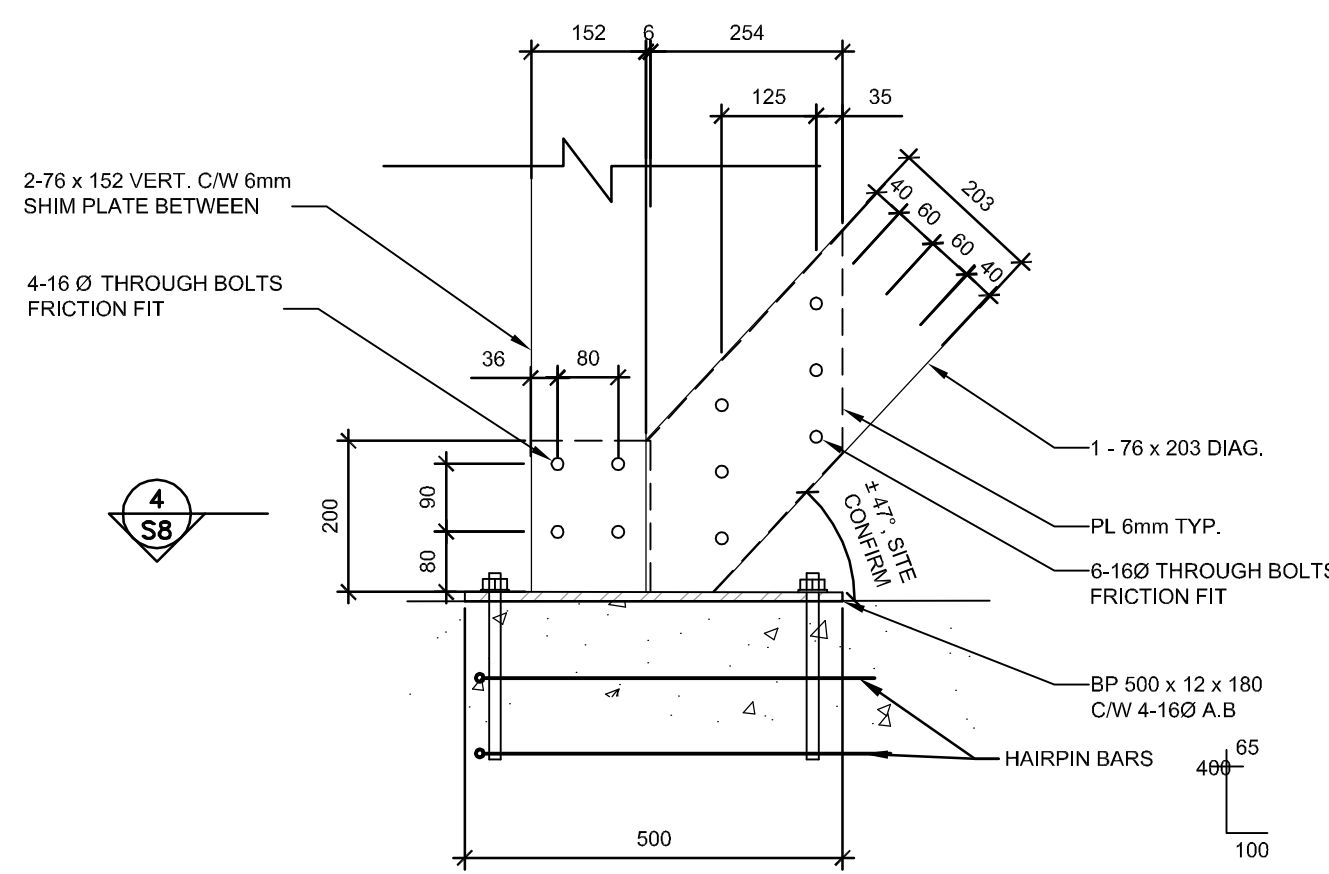




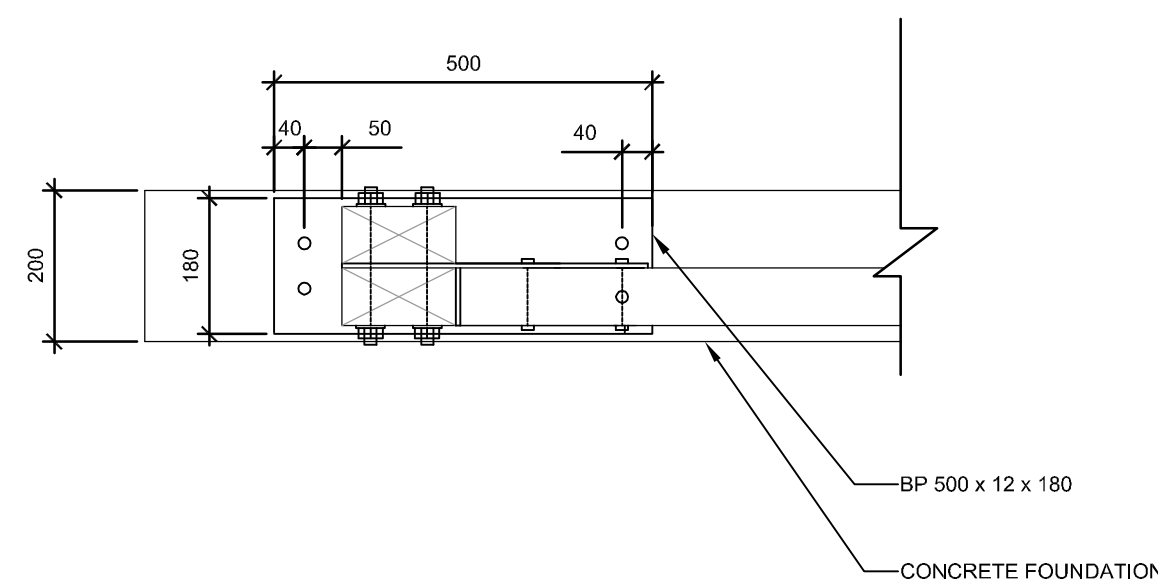
**1 BRACING DETAIL**  
S8 1:25



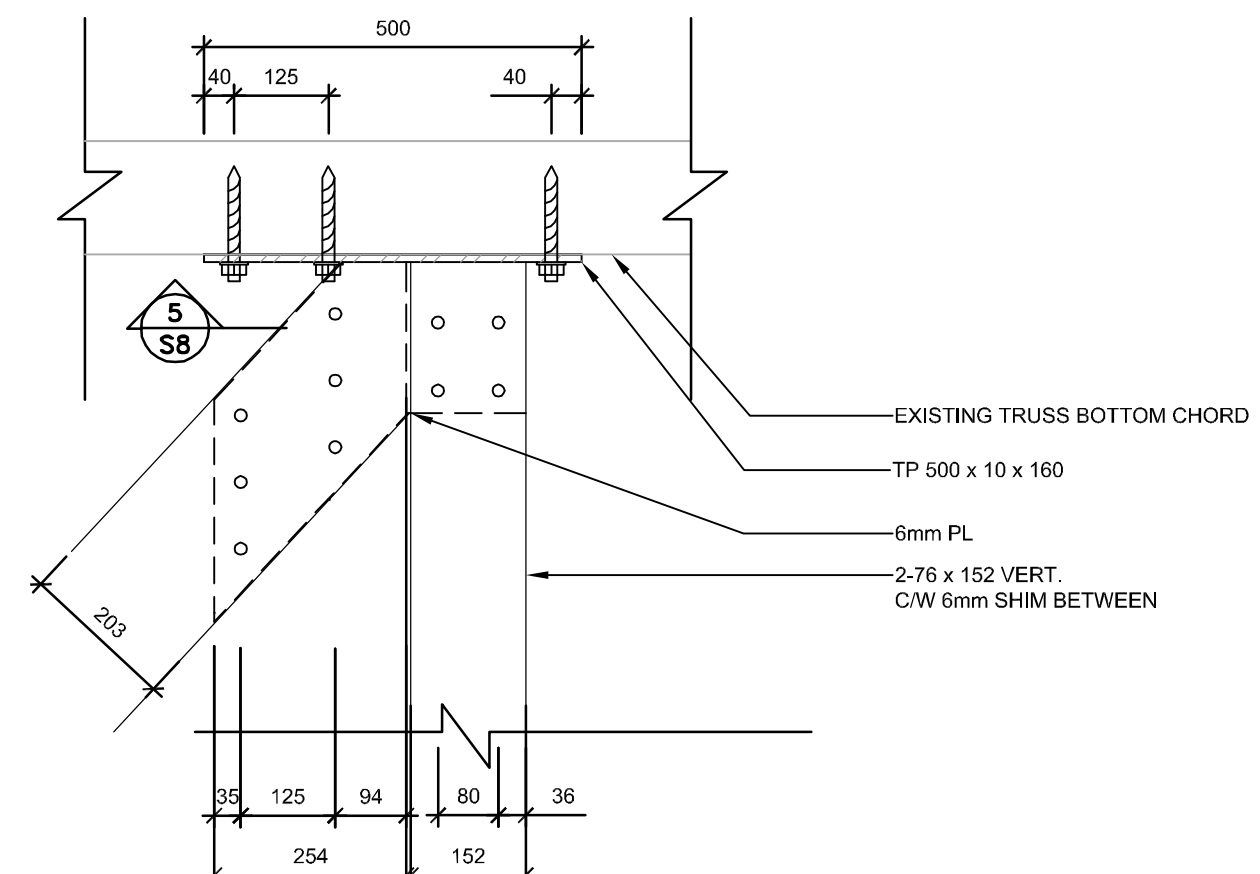
**6 POLE BARN NEW ROOF SUPPORT**  
S8 1:25



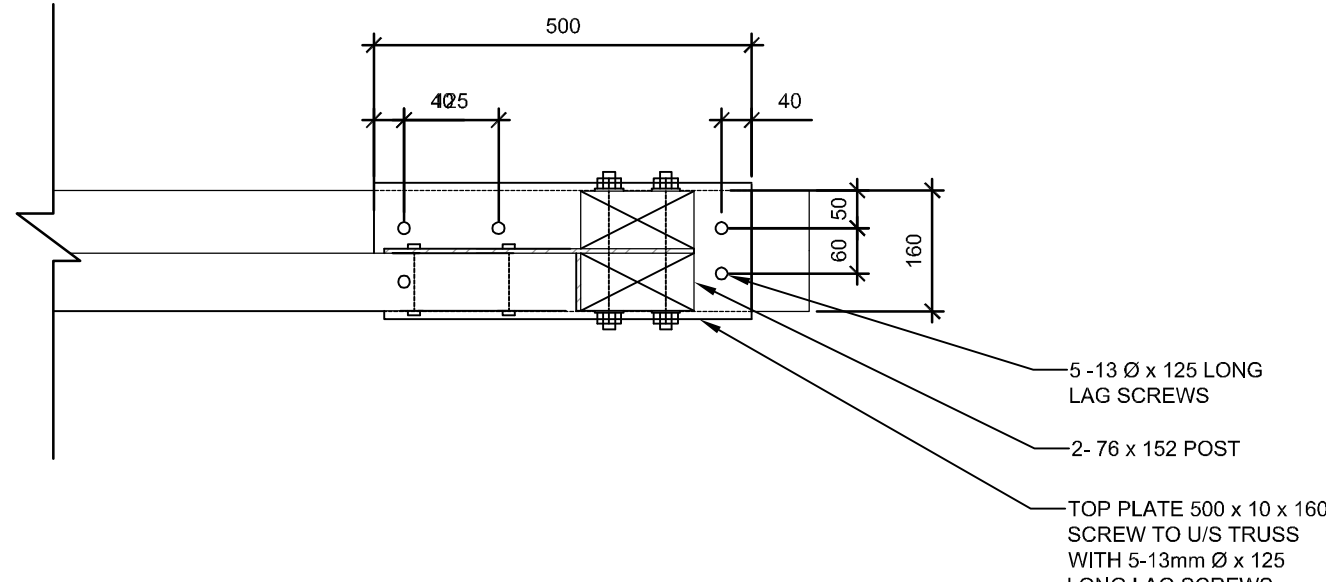
**2 BRACING DETAIL- BASE PLATE**  
S8 1:10



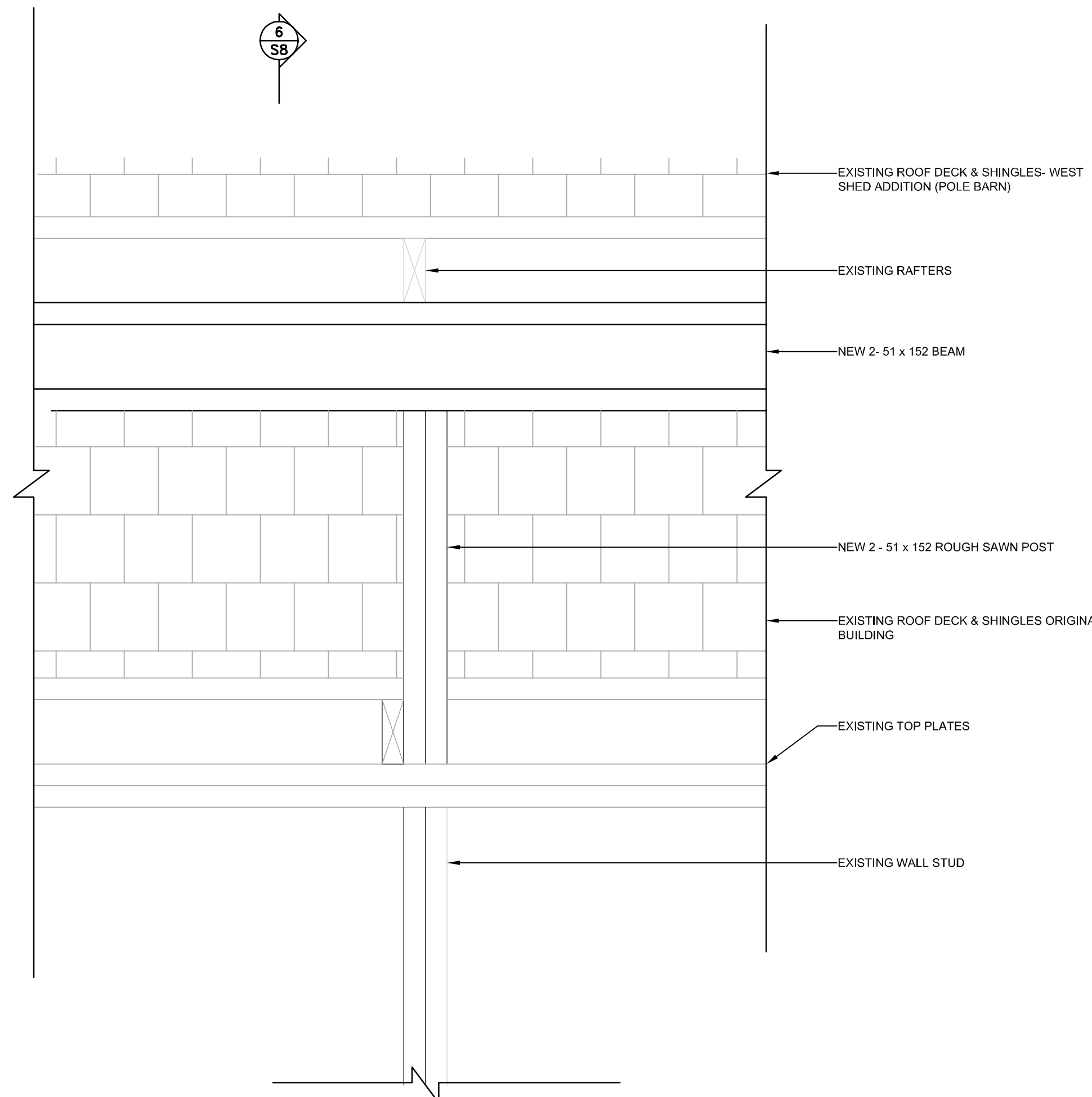
**4 BRACING DETAIL BASE PLATE PLAN**  
S8 1:10



**3 BRACING DETAIL TOP PLATE**  
S8 1:10



**5 BRACING DETAIL TOP PLATE PLAN**  
S8 1:10



**7 POLE BARN POST DETAIL**  
S8 1:10

**Heritage Conservation Western**

Heritage Conservation  
Professional and Technical Services  
Real Property Branch, Western Region  
Calgary, Alberta

**Conservation du patrimoine de l'Ouest**

Conservation du patrimoine  
Services professionnels et techniques  
Direction des services immobiliers, Région de l'Ouest  
Calgary, Alberta

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Revision / Révision

|   |   |   |
|---|---|---|
| A | A - Detail Number / Numéro du détail        | A |
| B | B - Detail Location / Emplacement du détail | B |
| C | C - Sheet Number / Numéro de la feuille     | C |

Linear dimensions in millimeters / Dimensions linéaires en millimètres

|  |  |
|--|--|
| Consultant's Name / Nom de l'expert-conseil      | Engineer's Stamp /<br>Sceau de l'ingénieur   |
| PUBLIC WORKS AND GOVERNMENT<br>SERVICES CANADA   | JULY 15, 2016  |
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Client / client

**PARKS CANADA AGENCY  
WESTERN REGION**

Project Title / Titre du projet

**MACHINE SHED  
REHABILITATION**

**BAR U RANCH NHS**

Drawing Title / Titre du dessin

**BRACING DETAILS**

|   |   |                           |
|---|---|---------------------------|
| Drawn by/Dessiné par<br>RG, MA          | Surveyed by/Arpenté par<br>PAT MCFADDEN | Date<br>11/04/2016        |
| Designed by/Concept par<br>JOHN ATTRELL | Reviewed by/Revisé par<br>MARK CHAMBERS | Scale/Echelle<br>AS NOTED |

Client: Acceptance/Acceptation du client

Approved by/Approuvé par

PARK RESPONSIBLE OFFICER/AGENT RESPONSABLE

Project No./N° du projet

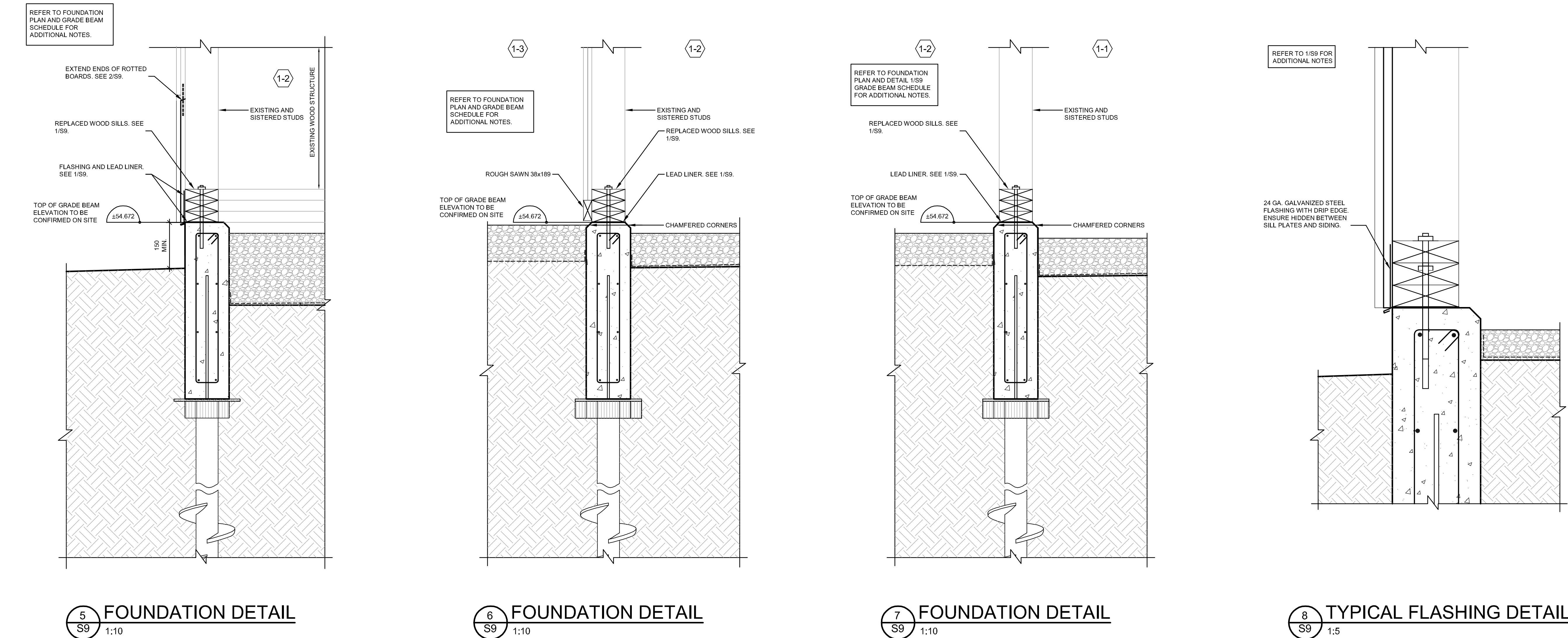
R.081454.001

Reference No./N° de référence du dessin

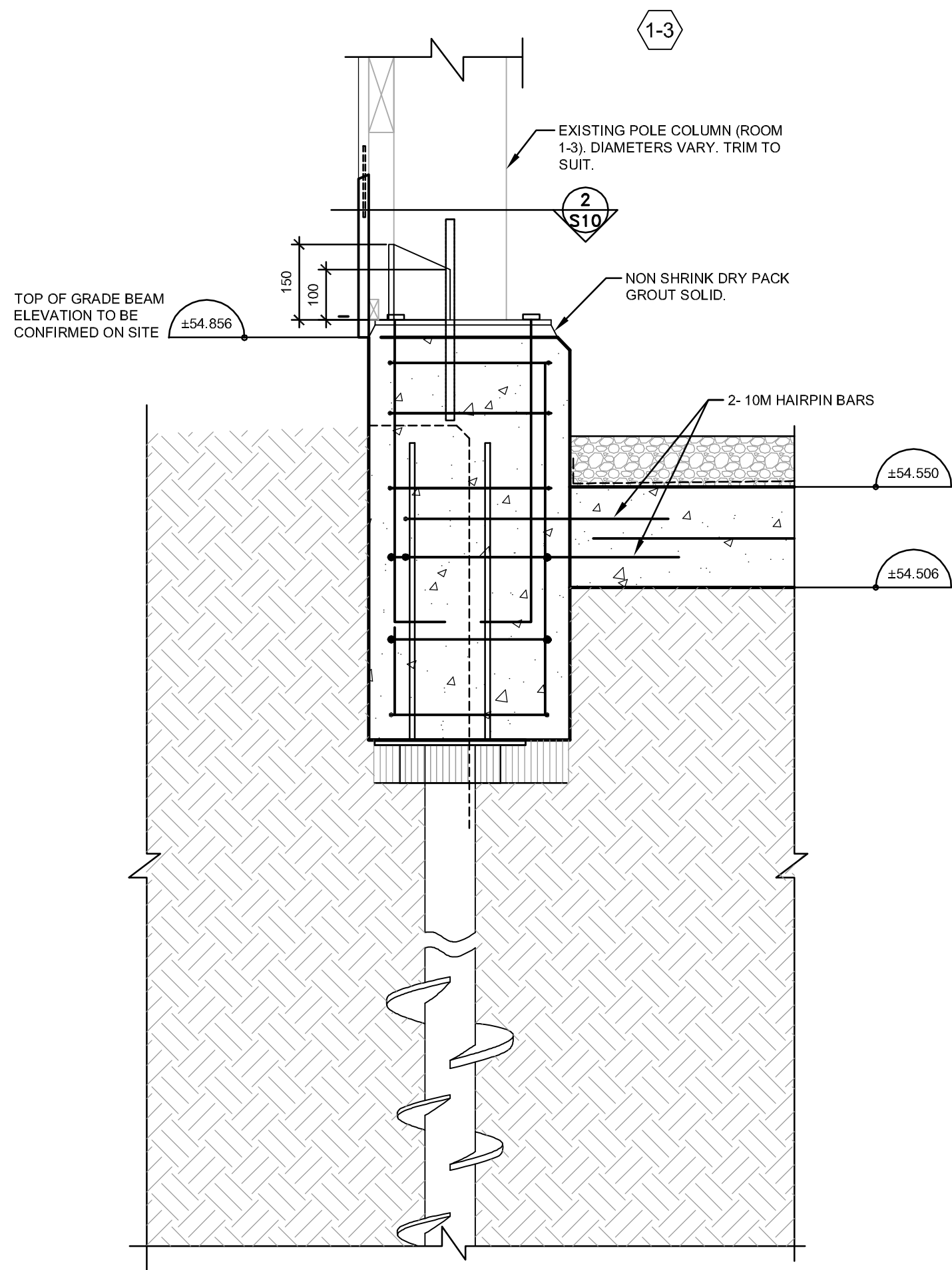
Sheet No./N° de la feuille

S8

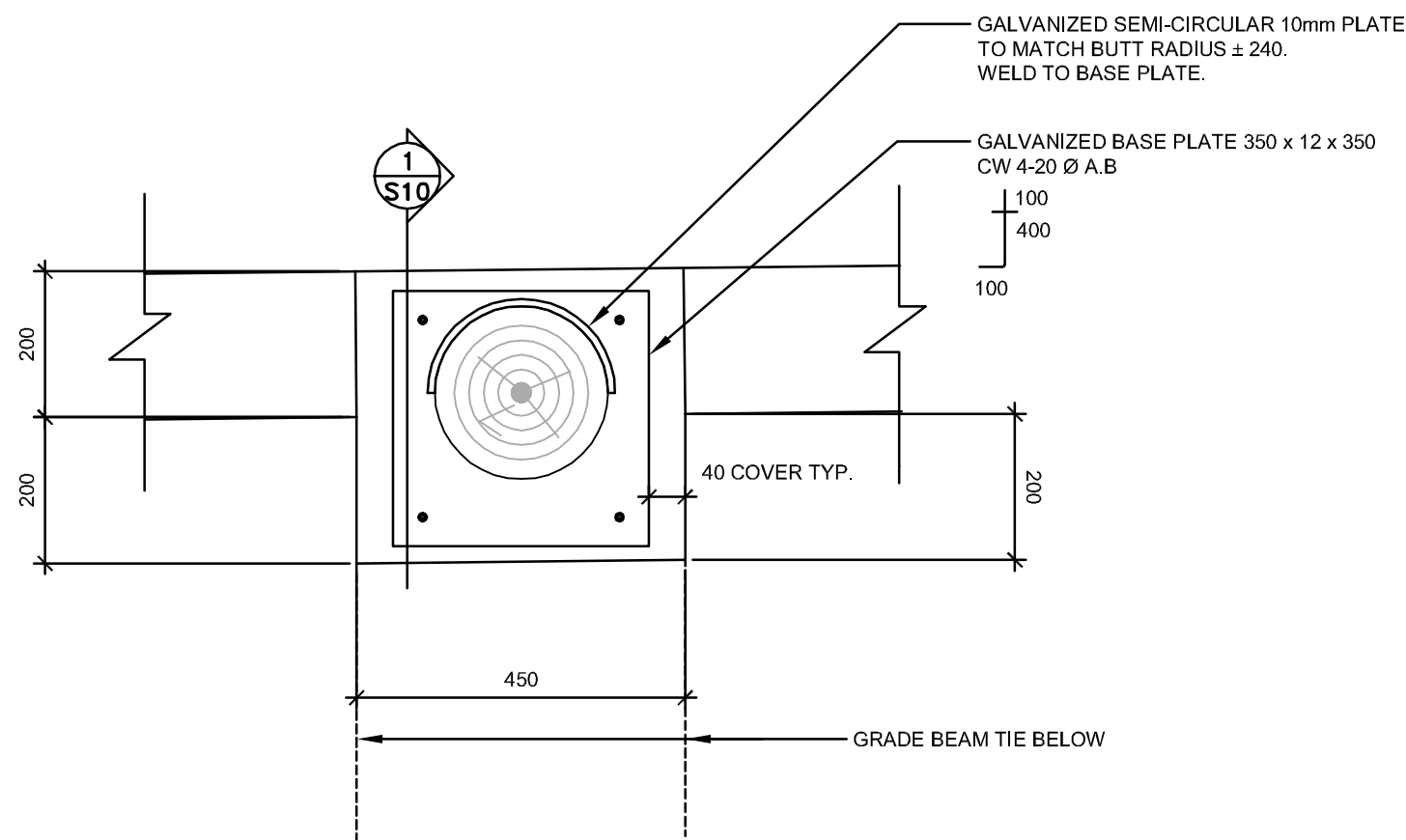




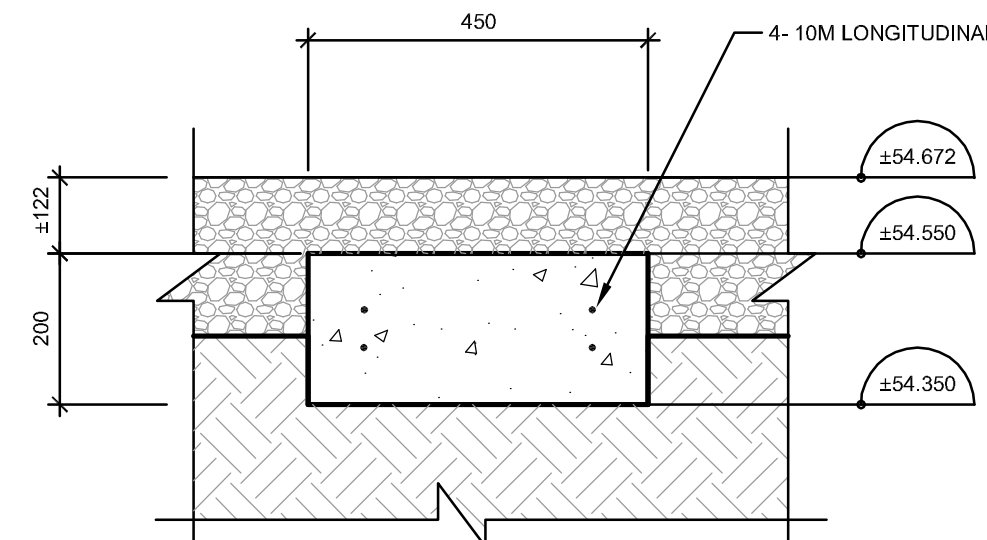




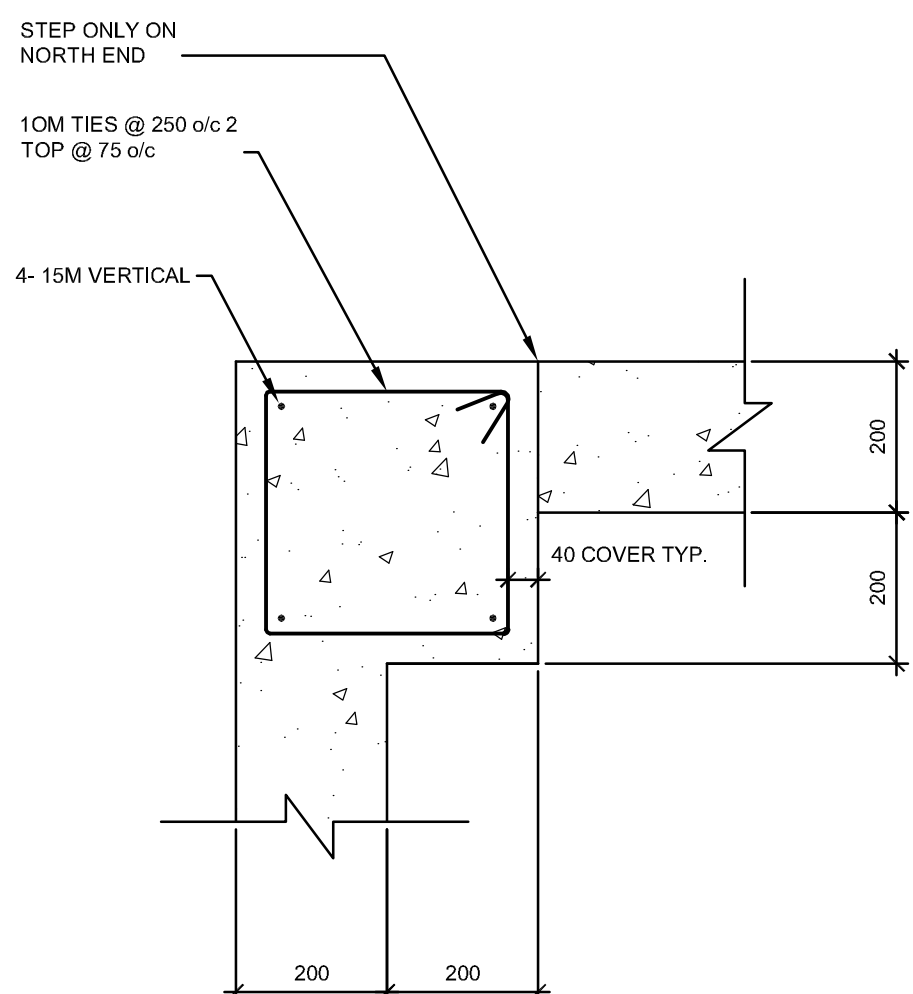
**1 POLE COLUMN BRACING DETAIL, P1**  
S10 1:10



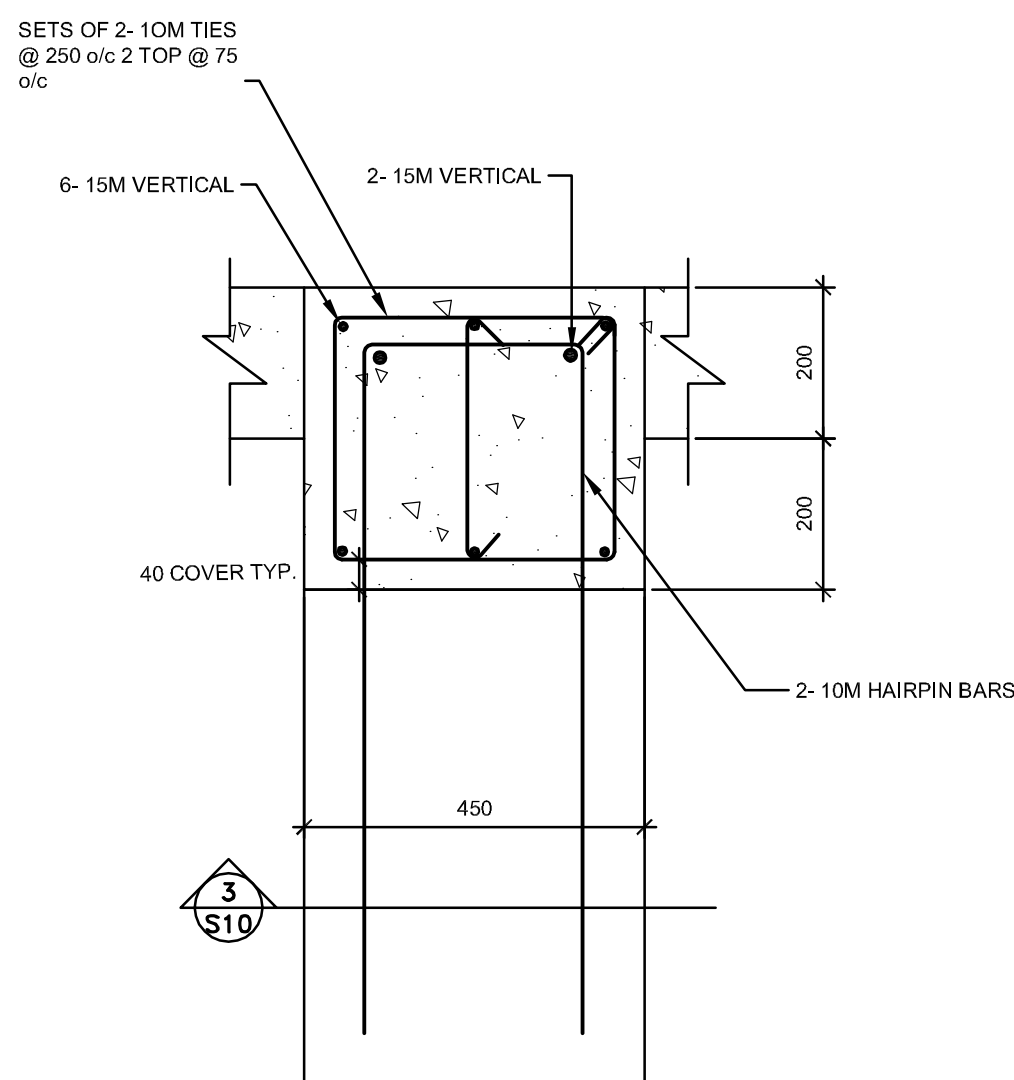
**2 POLE COLUMN BRACING DETAIL**  
S10 1:10



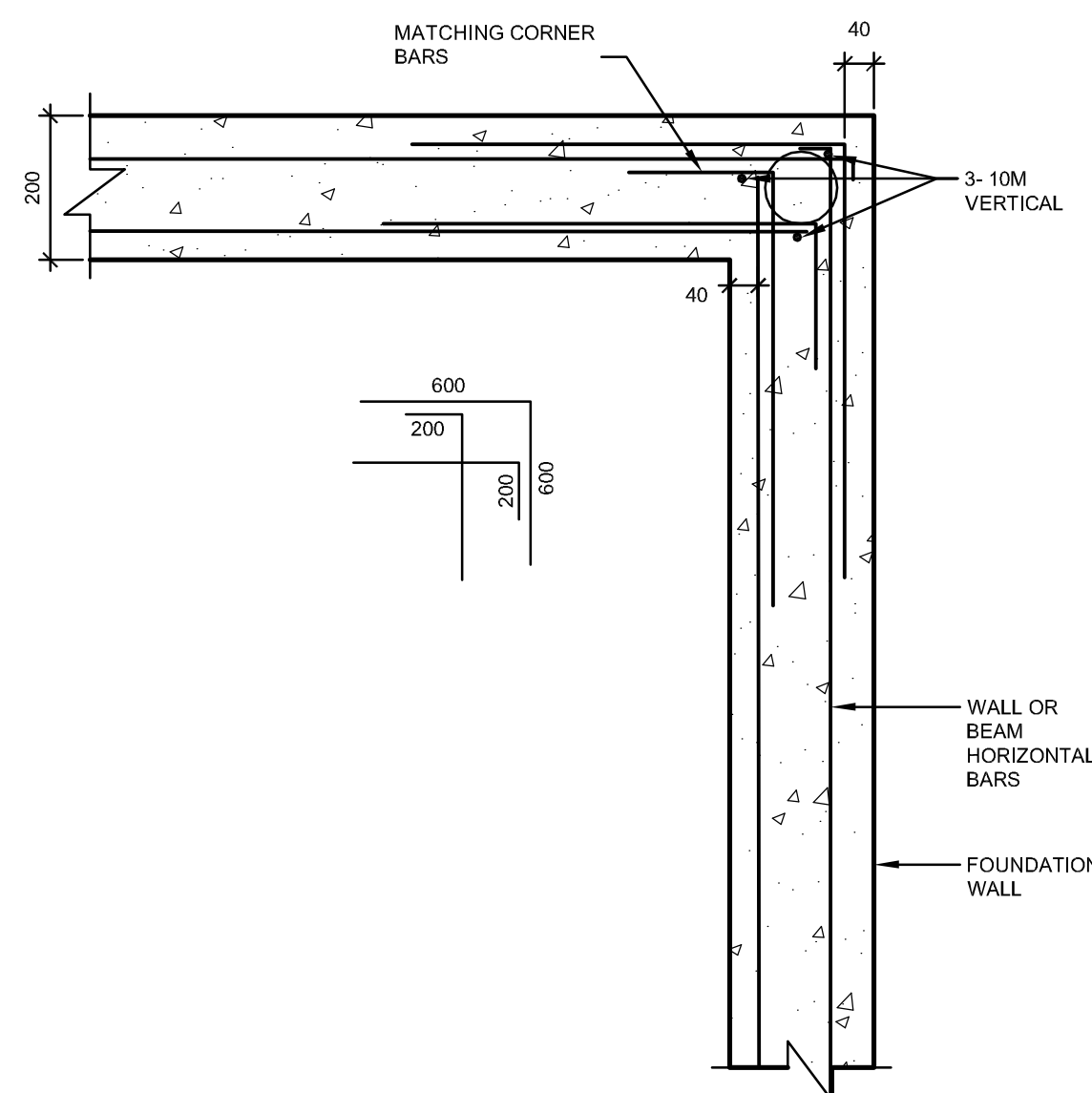
**3 GRADE BEAM TIE DETAIL**  
S10 1:10



**4 FOUNDATION DETAIL, P3**  
S10 1:10



**5 FOUNDATION DETAIL P1 (P2 SIMILAR)**  
S10 1:10



**6 TYPICAL CORNER BAR DETAIL**  
S10 1:10

**Heritage Conservation Western**

Heritage Conservation  
Professional and Technical Services  
Real Property Branch, Western Region  
Calgary, Alberta

**Conservation du patrimoine de l'Ouest**

Conservation du patrimoine  
Services professionnels et techniques  
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Revision / Révision

|   |   |   |
|---|---|---|
| A | A - Detail Number / Numéro du détail        | A |
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Linear dimensions in millimeters / Dimensions linéaires en millimètres

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| Consultant's Name / Nom de l'expert-conseil      | Engineer's Stamp /<br>Sceau de l'ingénieur   |
| PUBLIC WORKS AND GOVERNMENT<br>SERVICES CANADA   | JULY 15, 2016  |
| Room 759 220-4th AVENUE SE<br>CALGARY AB T2G 4X3 | THIS SEAL IS<br>STRICTLY<br>LIMITED AND<br>APPLIES ONLY<br>TO THE<br>STRUCTURAL<br>COMPONENTS<br>OF THE WORK |

Client / client

**PARKS CANADA AGENCY  
WESTERN REGION**

Project Title / Titre du projet

**MACHINE SHED  
REHABILITATION  
BAR U RANCH NHS**

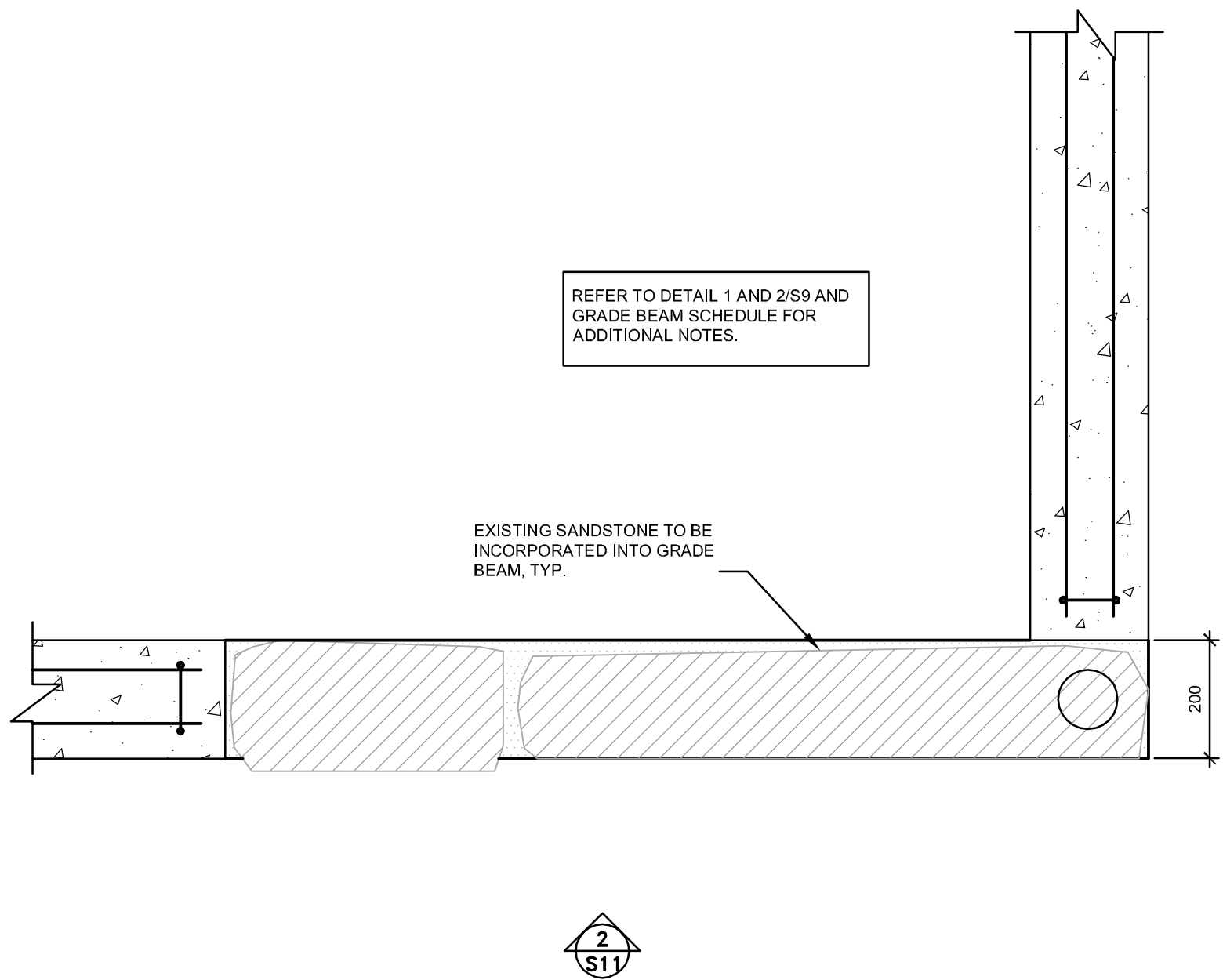
Drawing Title / Titre du dessin

**FOUNDATION DETAILS III**

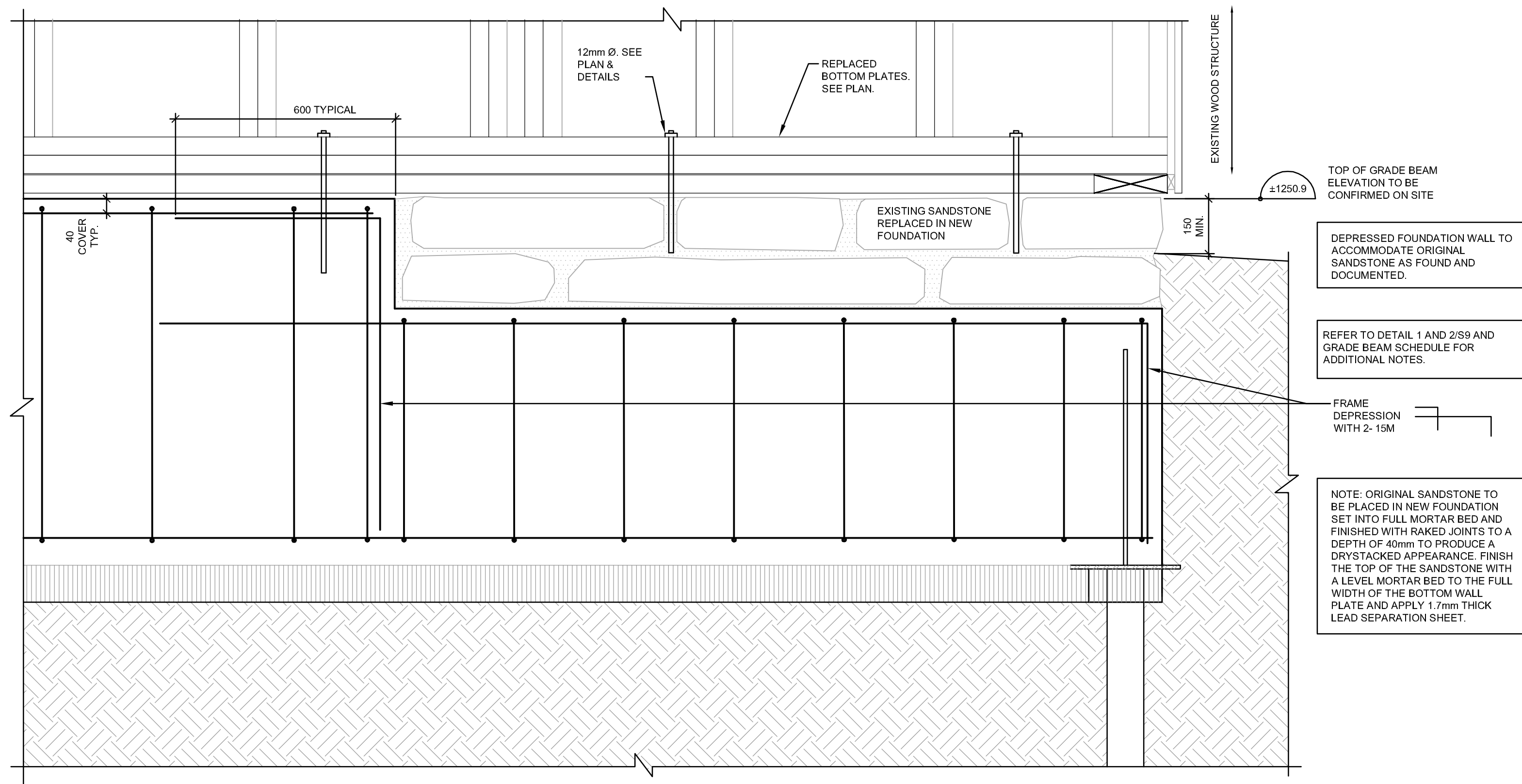
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| Drawn by/Dessiné par<br>RG, MA          | Surveyed by/Arpenté par<br>PAT MCFADDEN | Date<br>11/04/2016        |
| Designed by/Concept par<br>JOHN ATTRELL | Reviewed by/Revisé par<br>MARK CHAMBERS | Scale/Echelle<br>AS NOTED |

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| PARK RESPONSIBLE OFFICER/AGENT RESPONSABLE | A & E SERVICES/GENIE ET ARCHITECTURE     |
| Project No./N° du projet<br>R.081454.001   | Asset No./N° du bien                     |
| Reference No./N° de référence du dessin    | Sheet No./N° de la feuille<br><b>S10</b> |

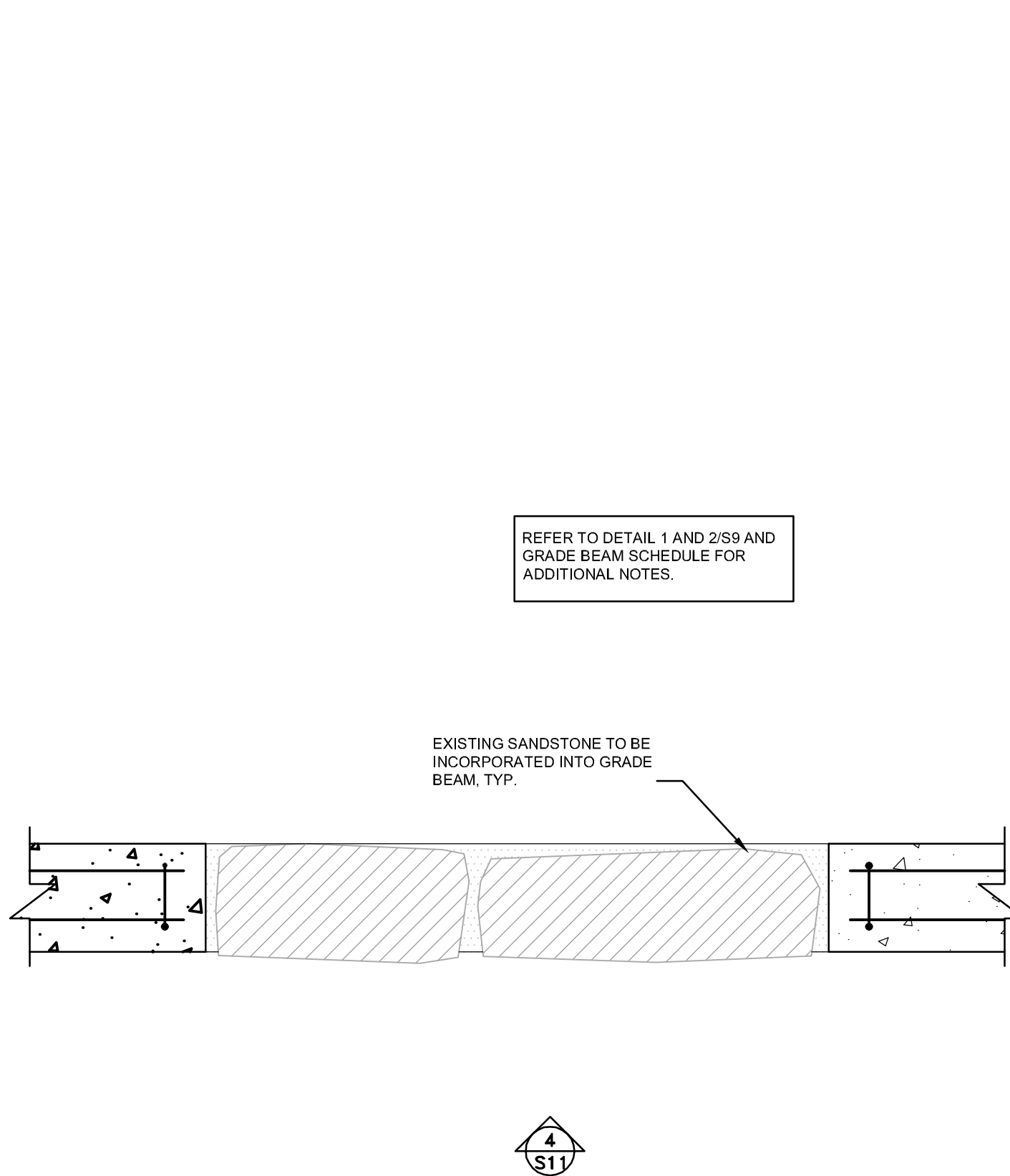




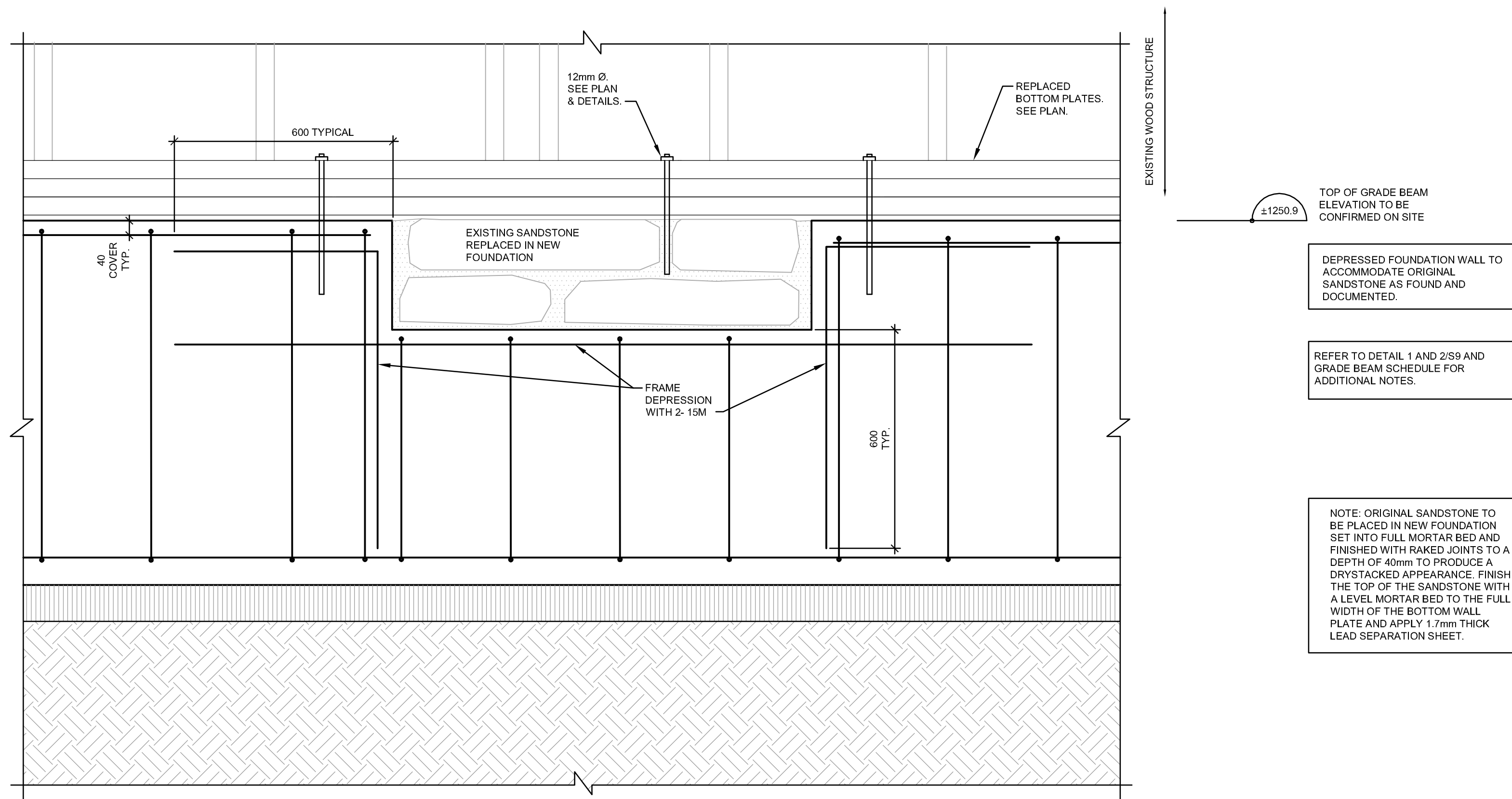
1 TYPICAL STEPPED GRADE BEAM DETAIL  
S11 1:10



2 TYPICAL STEPPED GRADE BEAM ELEVATION DETAIL  
S11 1:10



3 TYPICAL STEPPED GRADE BEAM DETAIL  
S11 1:10



4 TYPICAL STEPPED GRADE BEAM ELEVATION DETAIL  
S11 1:10

Heritage Conservation Western  
Heritage Conservation  
Professional and Technical Services  
Real Property Branch, Western Region  
Calgary, Alberta  
Conservation du patrimoine  
Services professionnels et techniques  
Direction des services immobiliers, Région de l'Ouest  
Calgary, Alberta

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| Revision / Révision |            |                               |                         |                             |

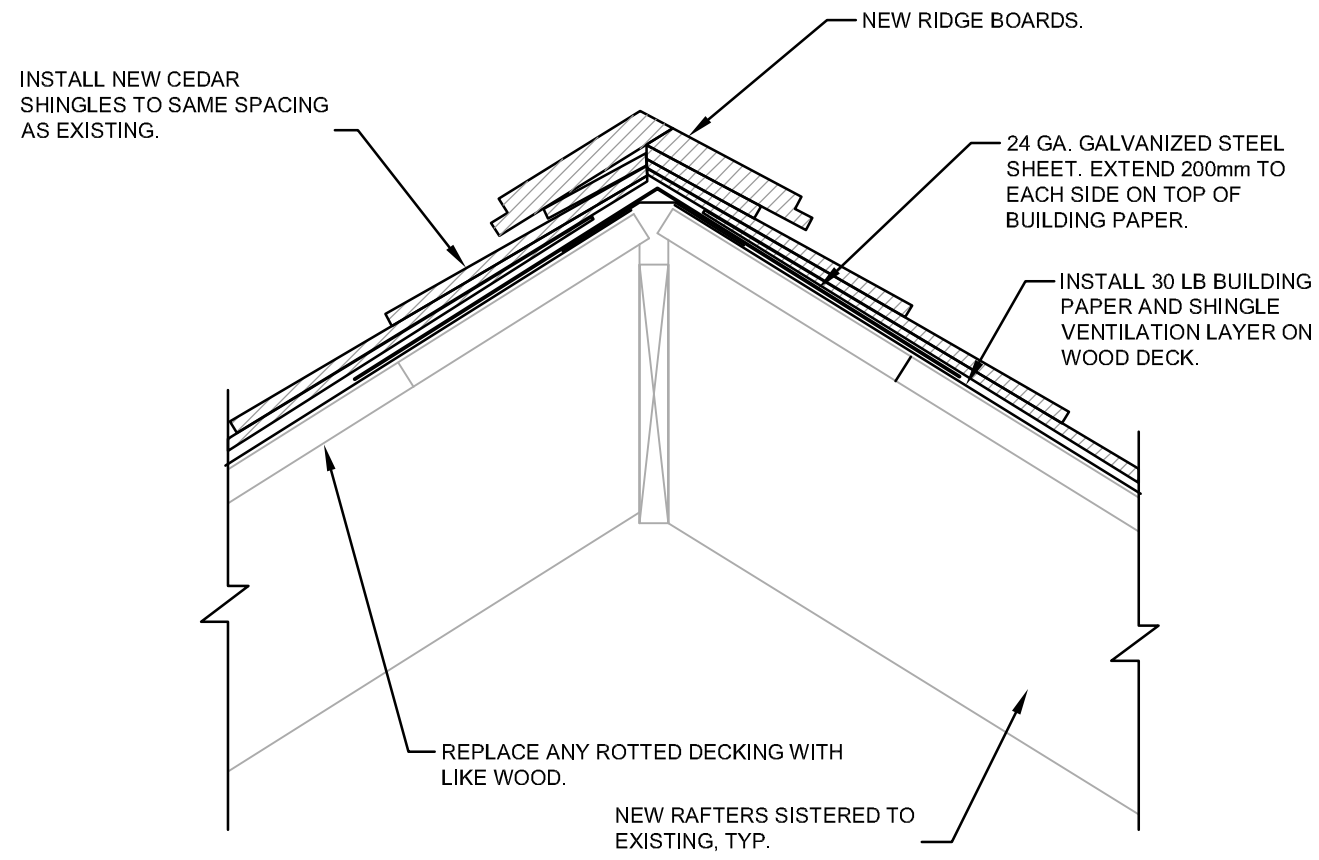
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| A<br>C   | A - Detail Number / Numéro du détail<br>B - Detail Location / Emplacement du détail<br>C - Sheet Number / Numéro de la feuille | A<br>B<br>C   |
| Linear dimensions in millimeters<br>Dimensions linéaires en millimètres  |  |   |
| Consultant's Name / Nom de l'expert-conseil<br>PUBLIC WORKS AND GOVERNMENT SERVICES CANADA<br>Room 759 220-4th AVENUE SE<br>CALGARY AB T2G 4X3 |  | Engineer's Stamp /<br>Sceau de l'ingénieur<br>JULY 15, 2016<br>THIS SEAL IS STRICTLY LIMITED AND APPLIES ONLY TO THE STRUCTURAL COMPONENTS OF THE WORK<br>PROFESSIONAL ENGINEER ALBERTA |
| Client / client<br>PARKS CANADA AGENCY<br>WESTERN REGION   |  |   |

Project Title / Titre du projet  
MACHINE SHED  
REHABILITATION  
BAR U RANCH NHS

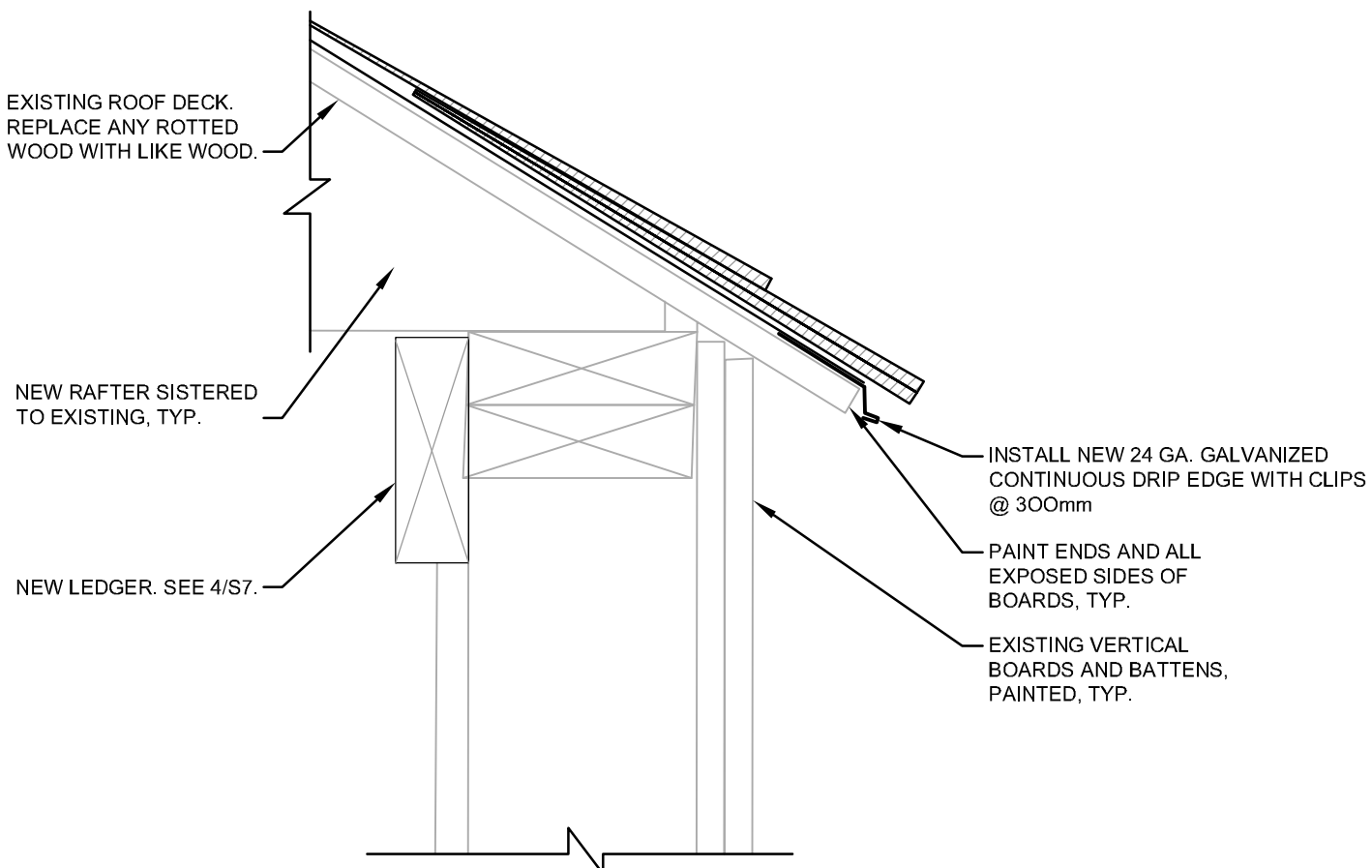
Drawing Title / Titre du dessin  
FOUNDATION DETAILS II

|  |   |   |
|--|---|---|
| Drawn by/Dessiné par<br>RG, MA   | Surveyed by/Arpenté par<br>PAT MCFADDEN | Date<br>11/04/2016  |
| Designed by/Concept par<br>JOHN ATTRELL  | Reviewed by/Revisé par<br>MARK CHAMBERS | Scale/Echelle<br>AS NOTED   |
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| PARK RESPONSIBLE OFFICER/AGENT RESPONSABLE<br>Project No./N° du projet<br>R.081454.001 |   | A & E SERVICES/GENIE ET ARCHITECTURE<br>Asset No./N° du bien<br>Sheet No./N° de la feuille<br>S11 |
| Reference No./N° de référence du dessin  |   |   |

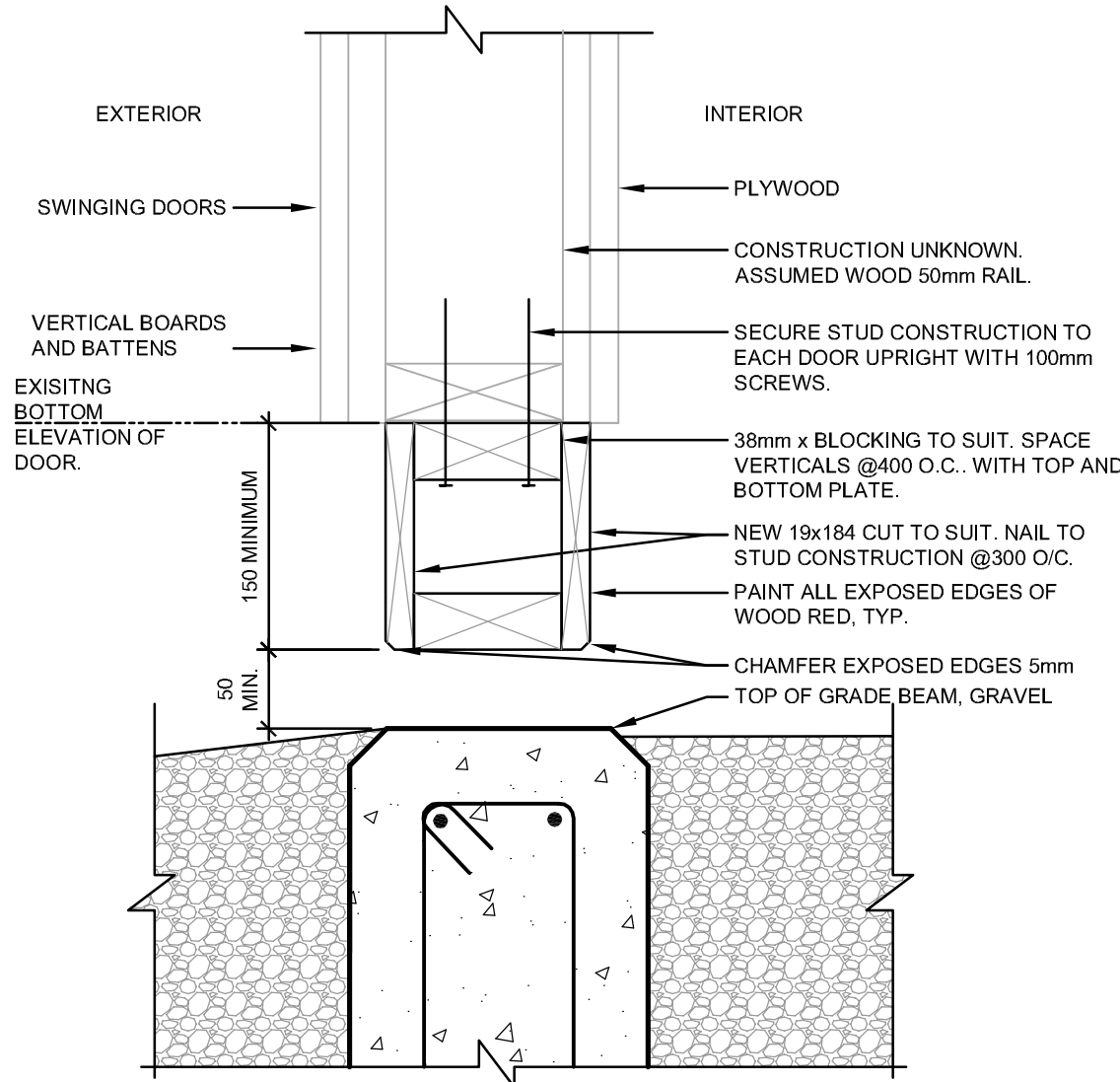




1 FLASHING DETAIL  
S12 1:5



2 FLASHING DETAIL  
S12 1:5



3 DOOR EXTENSION DETAIL  
S12 1:5

Heritage Conservation Western

Heritage Conservation  
Professional and Technical Services  
Real Property Branch, Western Region  
Calgary, Alberta

Conservation du patrimoine de l'Ouest

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Services professionnels et techniques  
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| No. | Date       | Description                   | Drawn by<br>Dessiné par | Approved by<br>Approuvé par |  |

Revision / Révision

|                           |  |  |
|---------------------------|--|--|
| <div>A</div> <div>C</div> | A - Detail Number / Numéro du détail<br>B - Detail Location / Emplacement du détail<br>C - Sheet Number / Numéro de la feuille | <div>A</div> <div>B</div> <div>C</div> |
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| Linear dimensions in millimeters<br>Dimensions linéaires en millimètres                            | Engineer's Stamp /<br>Sceau de l'ingénieur   |
| Consultant's Name / Nom de l'expert-conseil  | JULY 15, 2016  |
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PARKS CANADA AGENCY  
WESTERN REGION

Project Title / Titre du projet

MACHINE SHED  
REHABILITATION

BAR U RANCH NHS

Drawing Title / Titre du dessin

DETAILS

|  |   |                                      |
|--|---|--------------------------------------|
| Drawn by/Dessiné par<br>MA                 | Surveyed by/Arpenté par<br>PAT MCFADDEN | Date<br>11/04/2016                   |
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| Client Acceptance/Acceptation du client    |   | Approved by/Approuvé par             |
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| Project No./N° du projet<br>R.081454.001   | Asset No./N° du bien                    | Sheet No./N° de la feuille<br>S12    |
| Reference No./N° de référence du dessin    |   |                                      |