



PROJECT NAME  
**KNPHQ SIDING & ROOFING  
REPLACEMENT**

KZA PROJ. #  
**1741**

REVISION ISSUE SET  
**ISSUED FOR: TENDER**

kobayashi+zedda

# KLUANE NATIONAL PARK HEADQUARTERS

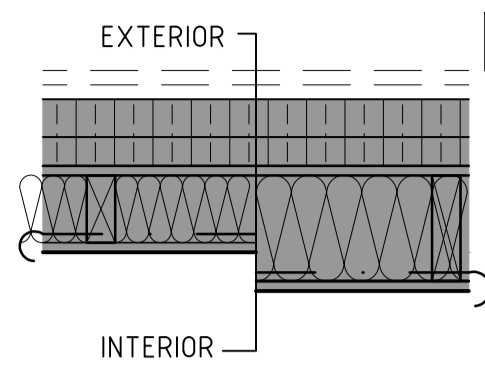
## BUILDING SIDING & ROOFING REPLACEMENT, HAINES JUNCTION, YT

ISSUED FOR: TENDER

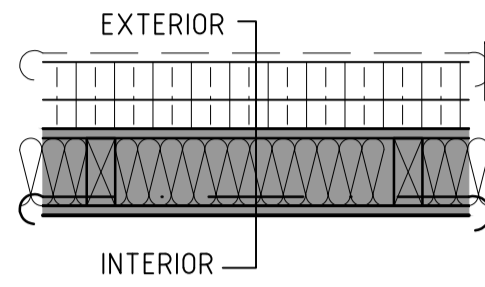
2018-06-07

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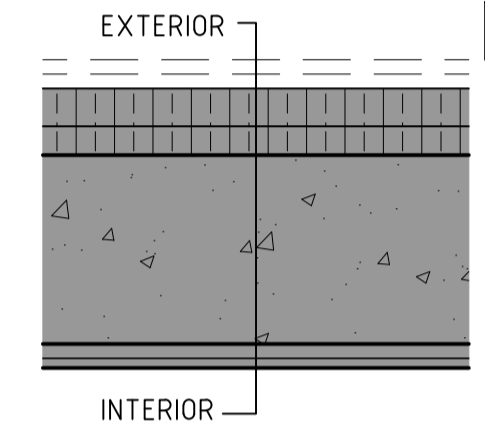
## EXISTING CONSTRUCTION WALL ASSEMBLIES



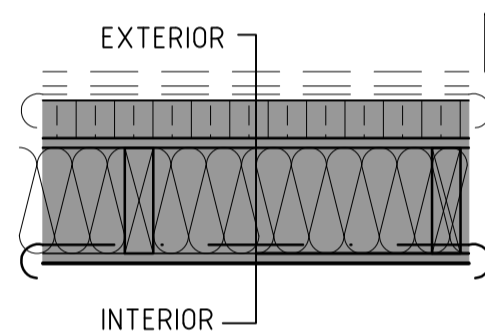
- WX1 EXISTING TYP. EXTERIOR WALL ASSEMBLY**
- 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)
  - 19 19x89 VERT. WOOD STRAPPING @ ±400 o.c. (REMOVE)
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 10 PLYWOOD SHEATHING
  - 38x89 OR 38x140 WOOD STUD @ 400 o.c.
  - BATT INSULATION (FILLED CAVITY)
  - 6MIL POLY VAPOUR BARRIER
  - 13 GWB FINISH



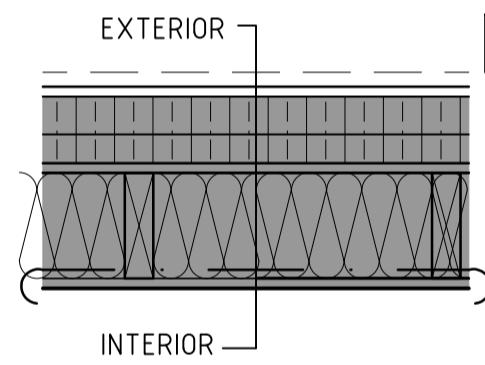
- WX2 EXISTING PENTHOUSE WALL ASSEMBLY**
- TEMPORARY WEATHER BARRIER (REMOVE)
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 10 PLYWOOD SHEATHING
  - 38x89 WOOD STUDS @ 400 o.c.
  - BATT INSULATION
  - 6MIL POLY VAPOUR BARRIER
  - 13 GWB FINISH



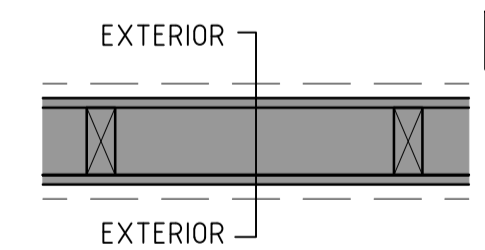
- WX3 EXISTING BASEMENT WALL ASSEMBLY**
- 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)
  - 19 19x89 VERT. WOOD STRAPPING @ ±400 o.c. (REMOVE)
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 250 CONCRETE WALL
  - 19 19x89 WOOD STRAPPING @ 400 o.c.
  - 13 GWB FINISH



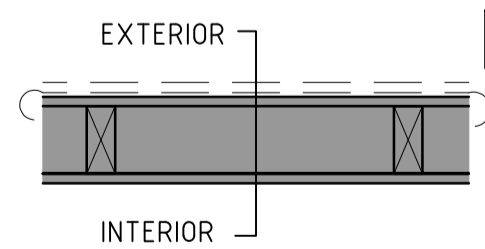
- WX4 EXISTING EXTERIOR WALL ASSEMBLY AT STORAGE**
- 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)
  - 19 19x89 VERT. WOOD STRAPPING @ ±400 o.c. (REMOVE)
  - WEATHER BARRIER (REMOVE)
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 13 PLYWOOD SHEATHING
  - 140 38x140 WOOD STUDS @ 400 o.c.
  - BATT INSULATION (FILLED CAVITY)
  - 6MIL POLY VAPOUR BARRIER
  - 13 GWB FINISH



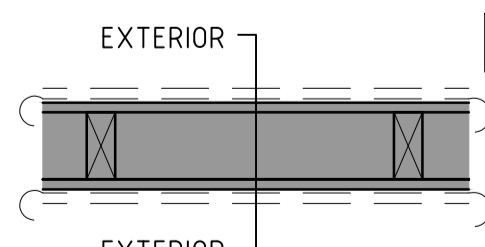
- WX5 EXISTING SLOPED EXTERIOR WALL ASSEMBLY (BELOW WINDOWS)**
- 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)
  - 13 PLYWOOD (REMOVE)
  - COPPER ARMoured FLASHING
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 10 PLYWOOD SHEATHING
  - 140 38x140 WOOD STUDS @ 400 o.c.
  - 140 BATT INSULATION (FILLED CAVITY)
  - 6MIL POLY VAPOUR BARRIER
  - 13 GWB FINISH



- WX6 EXISTING SOLID GUARDRAIL (AT DECK + STAIR)**
- 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)
  - 10 PLYWOOD SHEATHING
  - 89 38x89 WOOD STUDS @ 400 o.c.
  - 10 PLYWOOD SHEATHING
  - 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)

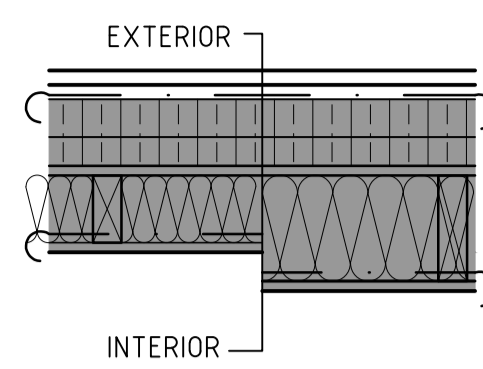


- WX7 EXISTING GARAGE EXTERIOR WALL**
- 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE)
  - FELT PAPER WEATHER BARRIER (REMOVE)
  - 10 PLYWOOD SHEATHING
  - 89 38x89 WOOD STUDS @ 400 o.c.
  - 12 PLYWOOD SHEATHING

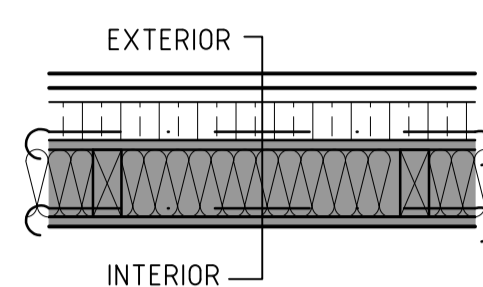


- WX8 EXISTING GARAGE WING WALL**
- 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE)
  - ASPHALT BUILDING PAPER (REMOVE)
  - 10 PLYWOOD SHEATHING
  - 89 38x89 WOOD STUDS @ 400 o.c.
  - 10 PLYWOOD SHEATHING
  - ASPHALT BUILDING PAPER (REMOVE)
  - 19 19x14.0 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)

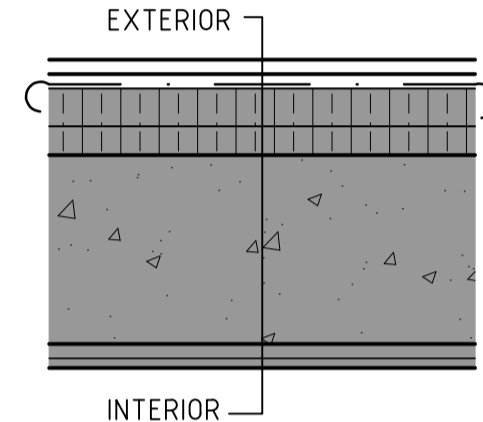
## NEW CONSTRUCTION WALL ASSEMBLIES



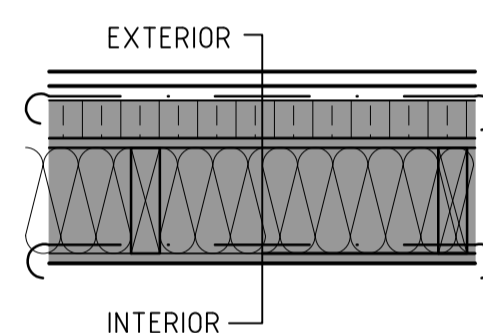
- W1 NEW TYP. EXTERIOR WALL ASSEMBLY**
- 10 ALUMINUM SIDING
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c. (FASTEN TO EXIST. HORIZ. STRAPPING)
  - NEW AIR BARRIER
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 10 PLYWOOD SHEATHING
  - 38x89 OR 38x140 WOOD STUD @ 400 o.c.
  - BATT INSULATION (FILLED CAVITY)
  - 6MIL POLY VAPOUR BARRIER
  - 13 GWB FINISH



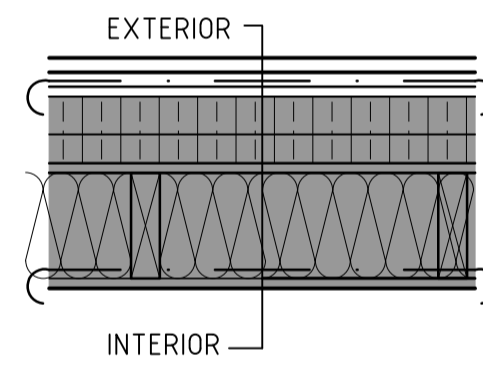
- W2 NEW CLERESTORY WALL ASSEMBLY**
- 10 ALUMINUM SIDING
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c. (FASTEN TO EXIST. WOOD FRAMING)
  - NEW ROCK WOOL RIGID INSULATION
  - NEW AIR BARRIER
  - 13 NEW D.FIR PLYWOOD SHEATHING
  - 38x89 WOOD STUDS @ 400 o.c.
  - NEW ROCK WOOL BATT INSULATION (FILLED CAVITY)
  - 6MIL POLY VAPOUR BARRIER
  - 13 GWB FINISH



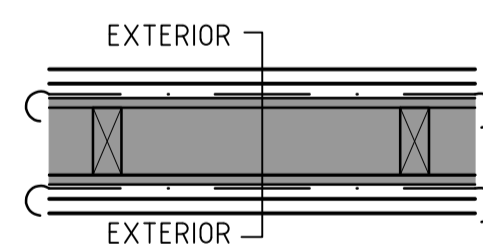
- W3 NEW BASEMENT WALL ASSEMBLY**
- 10 ALUMINUM SIDING
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c. (FASTEN TO EXIST. HORIZ. STRAPPING)
  - NEW AIR BARRIER
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 250 CONCRETE WALL
  - 19 19x89 WOOD STRAPPING @ 400 o.c.
  - 13 GWB FINISH



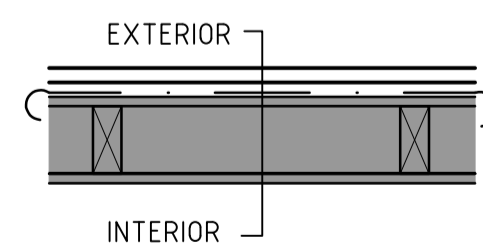
- W4 NEW EXTERIOR WALL ASSEMBLY AT STORAGE**
- 10 ALUMINUM SIDING
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c. (FASTEN TO EXIST. HORIZ. STRAPPING)
  - NEW AIR BARRIER
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 13 PLYWOOD SHEATHING
  - 140 38x140 WOOD STUDS @ 400 o.c.
  - BATT INSULATION (FILLED CAVITY)
  - 6MIL POLY VAPOUR BARRIER
  - 13 GWB FINISH



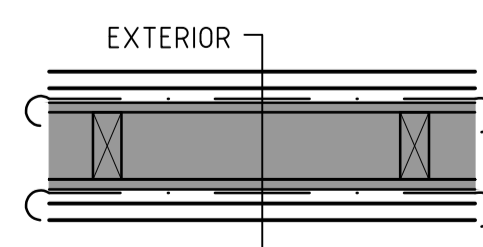
- W5 NEW SLOPED EXTERIOR WALL ASSEMBLY (BELOW WINDOWS)**
- 10 ALUMINUM SIDING
  - 38 38x89 VERT. P.T. WOOD STRAPPING @ 400 o.c. (FASTEN TO EXIST. HORIZ. STRAPPING)
  - 1 WATERPROOF PERMEABLE MEMBRANE
  - COPPER ARMoured FLASHING
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 10 PLYWOOD SHEATHING
  - 140 38x140 WOOD STUDS @ 400 o.c.
  - 140 BATT INSULATION (FILLED CAVITY)
  - 6MIL POLY VAPOUR BARRIER
  - 13 GWB FINISH



- W6 NEW SOLID GUARDRAIL (AT DECK + STAIRS)**
- 10 ALUMINUM SIDING
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c.
  - NEW AIR BARRIER
  - 10 PLYWOOD SHEATHING
  - 89 38x89 WOOD STUDS @ 400 o.c.
  - 10 PLYWOOD SHEATHING
  - NEW AIR BARRIER
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c.
  - 19 WOOD CHANNEL SIDING

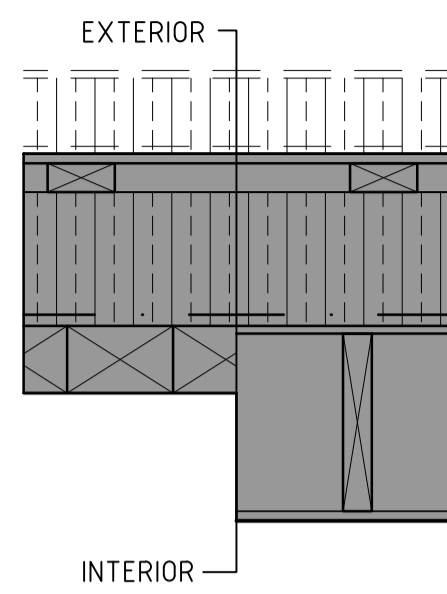


- W7 NEW GARAGE EXTERIOR WALL**
- 22 VERT. CORRUGATED METAL SIDING
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c.
  - NEW AIR BARRIER
  - 10 PLYWOOD SHEATHING
  - 89 38x89 WOOD STUDS @ 400 o.c.
  - 12 PLYWOOD SHEATHING



- W8 NEW GARAGE WING WALL**
- 22 VERT. CORRUGATED METAL SIDING
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c.
  - NEW AIR BARRIER
  - 10 PLYWOOD SHEATHING
  - 89 38x89 WOOD STUDS @ 400 o.c.
  - 10 PLYWOOD SHEATHING
  - NEW AIR BARRIER
  - 19 19x89 VERT. WOOD STRAPPING @ 400 o.c.
  - 22 VERT. CORRUGATED METAL SIDING

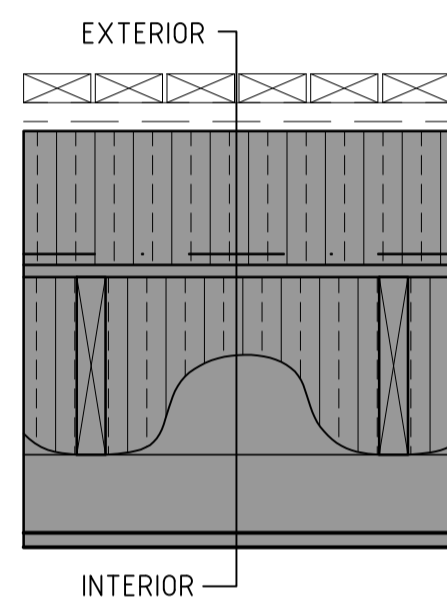
## EXISTING CONSTRUCTION ROOF/FLOOR ASSEMBLIES



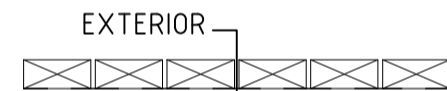
- RX1 EXISTING ADMIN. BUILDING ROOF ASSEMBLY**
- 110 CONCRETE TOPPED ROOF INSULATION PANELS - TEMPORARILY REMOVE (RSI 3.52)
  - 4 SBS MEMBRANE
  - 10 PLYWOOD
  - 38 38x89 TAPERED WOOD SLEEPERS @ ±400 o.c.
  - 177 RIGID INSULATION BOARD (RSI 6.16)
  - POLY VAPOUR BARRIER
  - 89x140 T+G WOOD DECK OR 10mm PLYWOOD SHEATHING
  - WOOD ROOF JOISTS OR TRUSS
  - INTERIOR FINISH



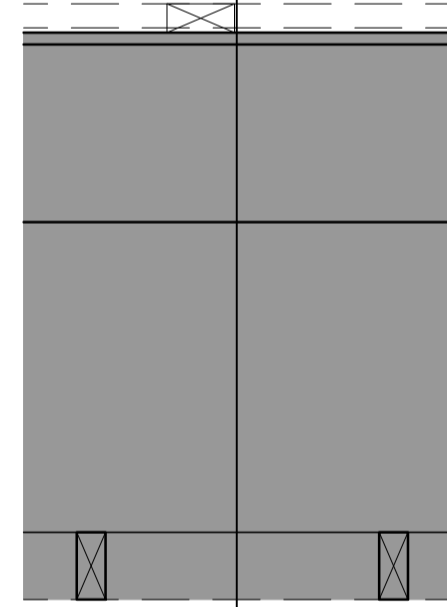
- RX2 EXISTING GARAGE ROOF ASSEMBLY**
- BALLAST (REMOVE)
  - ROOFING MEMBRANE (REMOVE)
  - 10 PLYWOOD SHEATHING
  - 184 38x184 WOOD JOISTS @ 400 o.c.



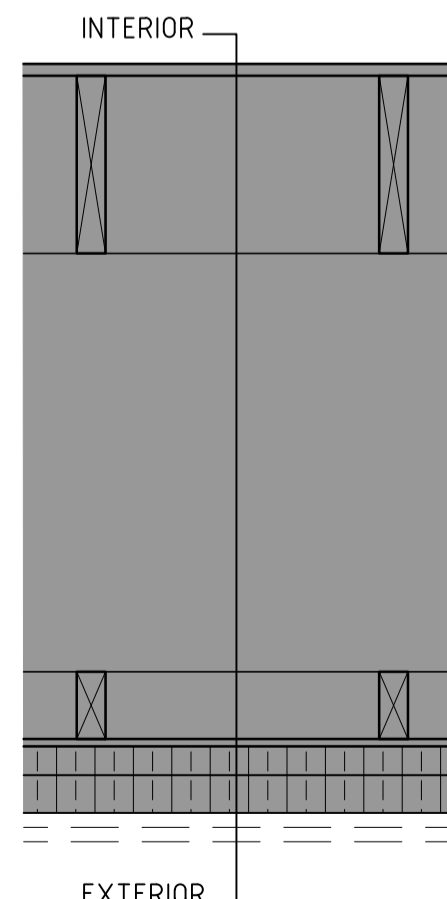
- FX1 EXISTING DECK ASSEMBLY**
- 38 38x89 WOOD DECKING W/ 6mm SPACING (REMOVE)
  - 38 38x184 WOOD SLEEPERS @ 400 o.c. (REMOVE)
  - 3 ROOF MEMBRANE (REMOVE)
  - 177 RIGID INSULATION BOARD (RSI 6.16)
  - POLY VAPOUR BARRIER
  - 16 T+G PLYWOOD SHEATHING
  - 235 38x235 WOOD JOISTS @ 400 o.c.
  - 235 SPRAYED FOAM INSULATION
  - 19 SUSPENDED ACOUSTIC TILE CEILING (TEMPORARILY REMOVE AS REQUIRED)



- FX2 EXISTING FLOOR ASSEMBLY - DECK**
- 38 38x89 WOOD DECKING W/ 6mm SPACING (REMOVE)
  - 184 38x184 WOOD JOISTS @ 400 o.c. (REMOVE)
  - 38 38x89 WOOD SLEEPERS @ 1200 o.c. (REMOVE)
  - 3 ROOF MEMBRANE (REMOVE)
  - 16 T+G PLYWOOD SHEATHING
  - 235 38x235 WOOD FRAMING @ ±400 o.c.
  - 410 CAVITY
  - 89 38x89 WOOD FRAMING @ ±400 o.c.
  - 19 19x140 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)

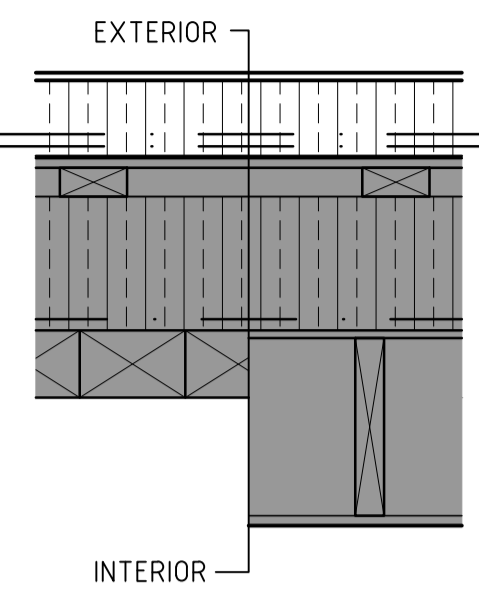


- CX1 EXISTING SOFFIT ASSEMBLY - HEATED SPACE**
- 16 T+G PLYWOOD SHEATHING
  - 235 38x235 WOOD JOISTS @ 400 o.c.
  - 553 CAVITY
  - 89 38x89 WOOD FRAMING @ ±400 o.c.
  - 10 PLYWOOD SHEATHING
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 19 19x89 VERT. WOOD STRAPPING @ ±400 o.c. (REMOVE)
  - 19 19x140 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)

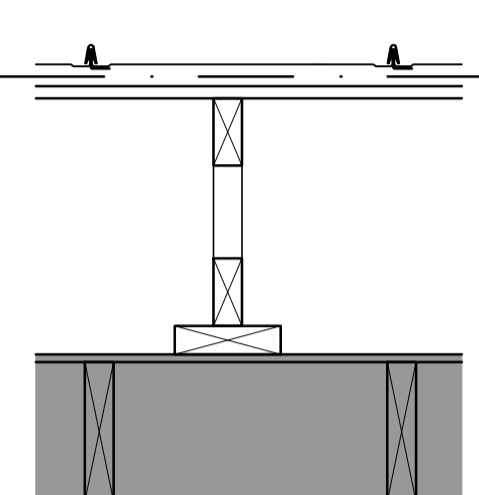


- CX1 EXISTING SOFFIT ASSEMBLY - HEATED SPACE**
- 16 T+G PLYWOOD SHEATHING
  - 235 38x235 WOOD JOISTS @ 400 o.c.
  - 553 CAVITY
  - 89 38x89 WOOD FRAMING @ ±400 o.c.
  - 10 PLYWOOD SHEATHING
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - 19 19x89 VERT. WOOD STRAPPING @ ±400 o.c. (REMOVE)
  - 19 19x140 HOR. CEDAR CHANNEL SIDING (REMOVE AND SALVAGE TO OWNER)

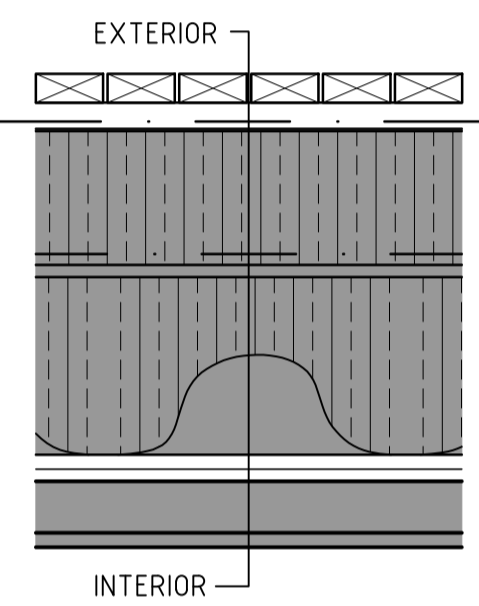
## NEW CONSTRUCTION ROOF/FLOOR ASSEMBLIES



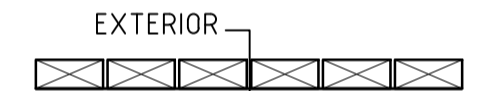
- R1 NEW ROOF ASSEMBLY**
- 110 CONCRETE TOPPED ROOF INSULATION PANELS - RE-INSTALL (RSI 3.52)
  - FILTER FABRIC
  - 3 1-PLY SBS HEAT-WELDED MEMBRANE
  - 4 SBS MEMBRANE
  - 10 PLYWOOD
  - 38 38x89 TAPERED WOOD SLEEPERS @ ±400 o.c.
  - 177 RIGID INSULATION BOARD (RSI 6.16)
  - POLY VAPOUR BARRIER
  - 89x140 T+G WOOD DECK OR 10mm PLYWOOD SHEATHING
  - WOOD ROOF JOISTS OR TRUSS
  - INTERIOR FINISH



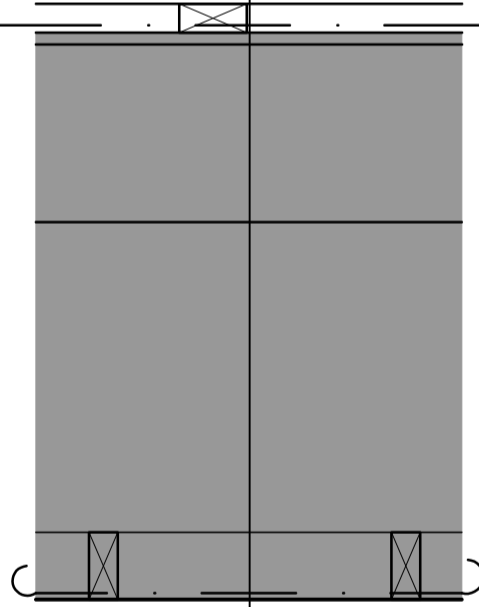
- R2 NEW GARAGE ROOF ASSEMBLY**
- METAL ROOFING
  - SELF-ADHERED ROOF MEMBRANE
  - 16 1-PLY PLYWOOD ROOF SHEATHING (REFER TO STRUCT.)
  - WOOD TRUSSES (REFER TO STRUCT.)
  - 38 38x140 NAILER @ EACH TRUSS (REFER TO STRUCT.)
  - 10 PLYWOOD SHEATHING
  - 184 38x184 WOOD JOISTS @ 400 o.c.



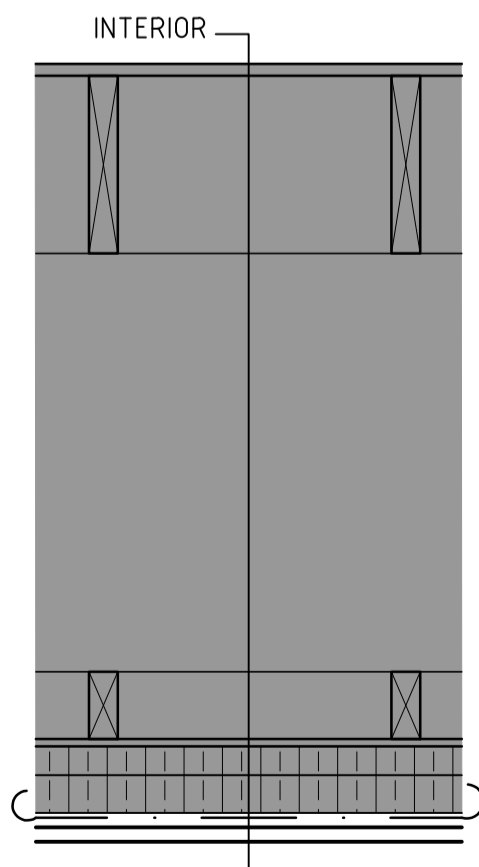
- F1 NEW DECK ASSEMBLY (45 MIN. FRR - D-2.3)**
- 38 38x140 DECKING W/ 6mm SPACING
  - 38 38x140 P.T. WOOD SLEEPERS @ 400 o.c.
  - 6 2-PLY SBS HEAT-WELDED MEMBRANE COVER BOARD - MECHANICALLY FASTENED
  - 3 RIGID INSULATION BOARD (RSI 6.16)
  - 177 RIGID INSULATION BOARD (RSI 6.16)
  - POLY VAPOUR BARRIER
  - 16 T+G PLYWOOD SHEATHING
  - 235 38x235 WOOD JOISTS @ 400 o.c.
  - 235 SPRAYED FOAM INSULATION
  - 19 19x89 WOOD STRAPPING @ 400 o.c.
  - 16 TYPE X GWB (FIRE TAPED)
  - 19 SUSPENDED ACOUSTIC TILE CEILING (REINSTALL)



- F2 NEW FLOOR ASSEMBLY - DECK**
- 38 38x140 DECKING W/ 6mm SPACING
  - 184 38x184 P.T. WOOD JOISTS @ 400 o.c.
  - 38 38x89 P.T. WOOD SLEEPERS @ 1200 o.c.
  - 6 2-PLY SBS HEAT-WELDED MEMBRANE COVER BOARD
  - 16 T+G PLYWOOD SHEATHING
  - 235 38x235 WOOD FRAMING @ ±400 o.c.
  - 410 CAVITY
  - 89 38x89 WOOD FRAMING @ ±400 o.c.
  - NEW AIR BARRIER
  - 19 NEW EXTERIOR FINISH (REFER TO ELEVATIONS)



- F2 NEW FLOOR ASSEMBLY - DECK**
- 38 38x140 DECKING W/ 6mm SPACING
  - 184 38x184 P.T. WOOD JOISTS @ 400 o.c.
  - 38 38x89 P.T. WOOD SLEEPERS @ 1200 o.c.
  - 6 2-PLY SBS HEAT-WELDED MEMBRANE COVER BOARD
  - 16 T+G PLYWOOD SHEATHING
  - 235 38x235 WOOD FRAMING @ ±400 o.c.
  - 410 CAVITY
  - 89 38x89 WOOD FRAMING @ ±400 o.c.
  - NEW AIR BARRIER
  - 19 NEW EXTERIOR FINISH (REFER TO ELEVATIONS)



- C1 NEW SOFFIT ASSEMBLY**
- 16 T+G PLYWOOD SHEATHING
  - 235 38x235 WOOD JOISTS @ 400 o.c.
  - 553 CAVITY
  - 89 38x89 WOOD FRAMING @ ±400 o.c.
  - 10 PLYWOOD SHEATHING
  - 38 38x38 HOR. WOOD STRAPPING @ ±600 o.c.
  - 38 RIGID INSULATION BOARD (RSI 1.32)
  - 50 RIGID INSULATION BOARD (RSI 1.76)
  - NEW AIR BARRIER
  - 19 19x89 VERT. P.T. WOOD STRAPPING @ 400 o.c. (FASTEN TO HORIZ. STRAPPING)
  - 19 NEW EXTERIOR FINISH (REFER TO ELEVATIONS)

## GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE 2015 EDITION OF THE NATIONAL BUILDING CODE OF CANADA (NBC), AND APPLICABLE MUNICIPAL AND TERRITORIAL BY-LAWS AND REGULATIONS.
- THE AUTHORITY HAVING JURISDICTION MAY HAVE ADDITIONAL REQUIREMENTS TO, OR PERMIT RELAXATION FROM, THE STANDARDS OF THE NBC. THE AUTHORITY GOVERNS. ALL VARIATIONS ARE TO BE CONFIRMED BY THE CONSULTANT PRIOR TO IMPLEMENTATION.
- ALL WORK SHALL BE EQUAL IN ALL RESPECTS TO GOOD BUILDING PRACTICES. DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
- WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS. CONTRACTOR TO VERIFY ALL WRITTEN DIMENSIONS WITH CONDITIONS FOUND ON SITE.
- THE CONSULTANT WILL BE PROVIDING FIELD REVIEWS ON THIS PROJECT. THE CONSULTANT IS TO BE INFORMED OF PERTINENT SITE CONDITIONS AFFECTING THE WORK OR DESIRED FIELD ADJUSTMENTS TO THE DESIGN PRIOR TO COMMENCING WORK. ALLOW REASONABLE NOTIFICATION OF NECESSARY FIELD REVIEWS.
- THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS AND DETAILS BEFORE PROCEEDING WITH CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- DIMENSIONS ARE FROM GRID LINES, THE EDGE OF SHEATHING ON EXTERIOR WALLS, CENTRE OF STUDS ON INTERIOR WALLS, EXCEPT AS NOTED.
- DIMENSIONS FOR INTERIOR MILLWORK AND OTHER FIXTURES MAY BE SHOWN TO INSIDE FACES OF FINISHES. THESE ARE APPROXIMATE AND ARE TO BE CONFIRMED ON SITE PRIOR TO FABRICATION.
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW BEFORE PROCEEDING WITH FABRICATION.
- GRADING TO SLOPE AWAY FROM THE PERIMETER OF THE BUILDING TO ENSURE DRAINAGE.
- CONTRACTOR TO COORDINATE THE WORK OF ALL TRADES.
- CONTRACTOR SHALL ENSURE THAT THE WORKS COMPLY WITH ALL APPLICABLE SAFETY CODES AND REGULATIONS.
- NO CUTTING OR BORING OF STRUCTURAL MEMBERS SHALL BE DONE WITHOUT THE PRIOR APPROVAL OF THE CONSULTANT.
- CONTRACTOR TO BE RESPONSIBLE FOR REMOVAL OF DEBRIS AND CLEANLINESS DURING CONSTRUCTION AND TO THOROUGHLY CLEAN ENTIRE BUILDING ON COMPLETION OF WORK.

| 5   | 18/06/07 | Issued for Tender      | RM                      | AZ                   |
|-----|----------|------------------------|-------------------------|----------------------|
| 4   | 18/04/21 | Issued for 100% Review | RM                      | JK                   |
| No. | Date     | Description            | Drawn by<br>Dessiné par | Approved<br>Approuvé |

| Revision / Révision                        |                      |
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| <b>A</b>                                   | <b>Detail number</b> |
| <b>B</b>                                   | <b>Sheet number</b>  |
| <b>Linear dimensions in millimetres</b>    |                      |
| <b>Dimensions linéaires en millimètres</b> |                      |
| <b>Consultant's Name</b>                   |                      |
| <b>Eng. Stamp</b>                          |                      |
| <b>Eng. Stamp</b>                          |                      |

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|--------------------------|-------------------|
| <b>Consultant's Name</b> | <b>Eng. Stamp</b> |
| <b>Eng. Stamp</b>        | <b>Eng. Stamp</b> |

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| <b>Consultant's Name</b> | <b>Eng. Stamp</b> |
| <b>Eng. Stamp</b>        | <b>Eng. Stamp</b> |

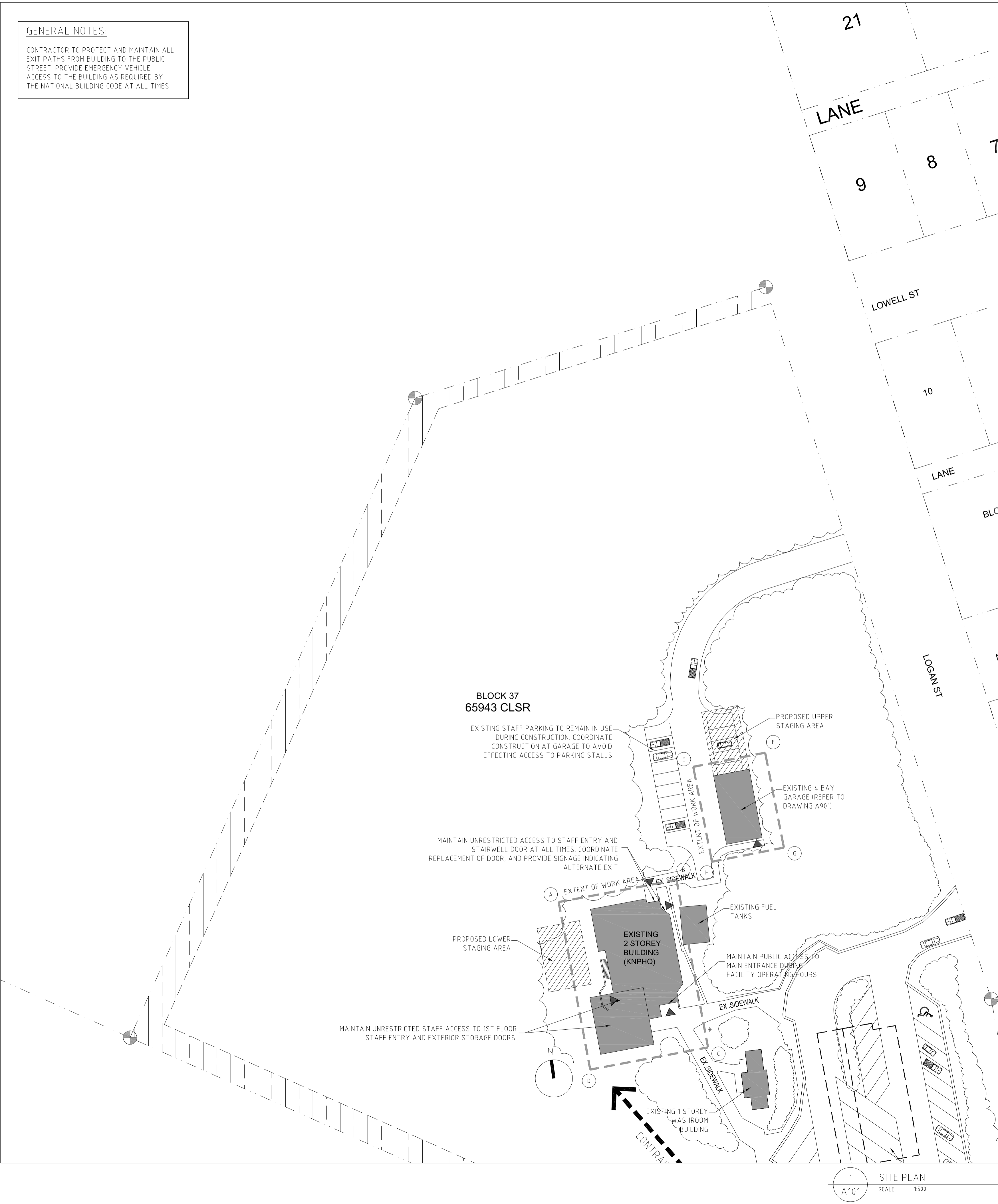
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| <b>Consultant's Name</b> | <b>Eng. Stamp</b> |
| <b>Eng. Stamp</b>        | <b>Eng. Stamp</b> |

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| <b>Project title/Titre du projet</b> | <b>Project title/Titre du projet</b> |
| <b>Project title/Titre du projet</b> | <b>Project title/Titre du projet</b> |

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| <b>Project title/Titre du projet</b> | <b>Project title/Titre du projet</b> |
| <b>Project title/Titre du projet</b> | <b>Project title/Titre du projet</b> |

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| <b>Project title/Titre du projet</b> | <b>Project title/Titre du projet</b> |

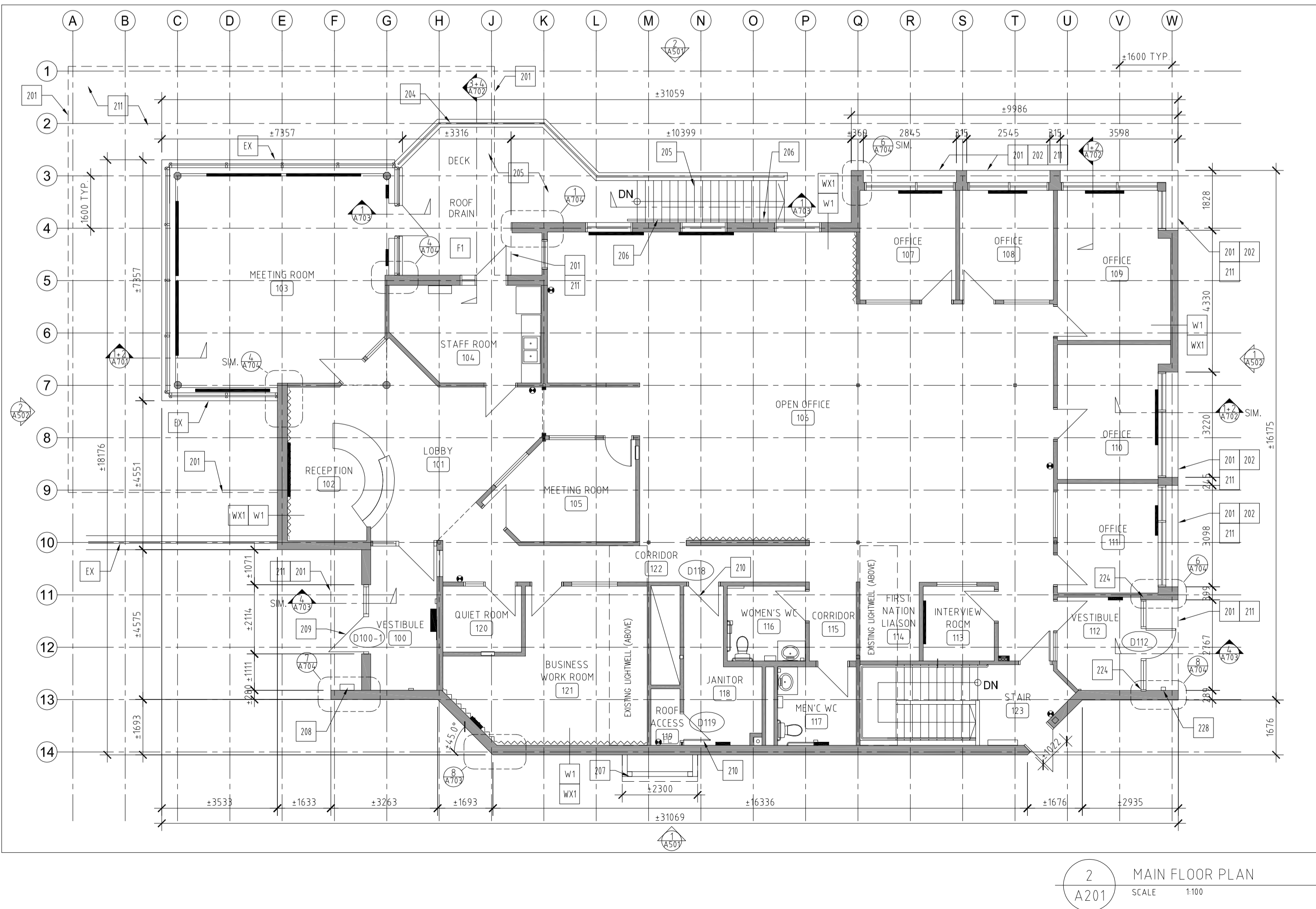
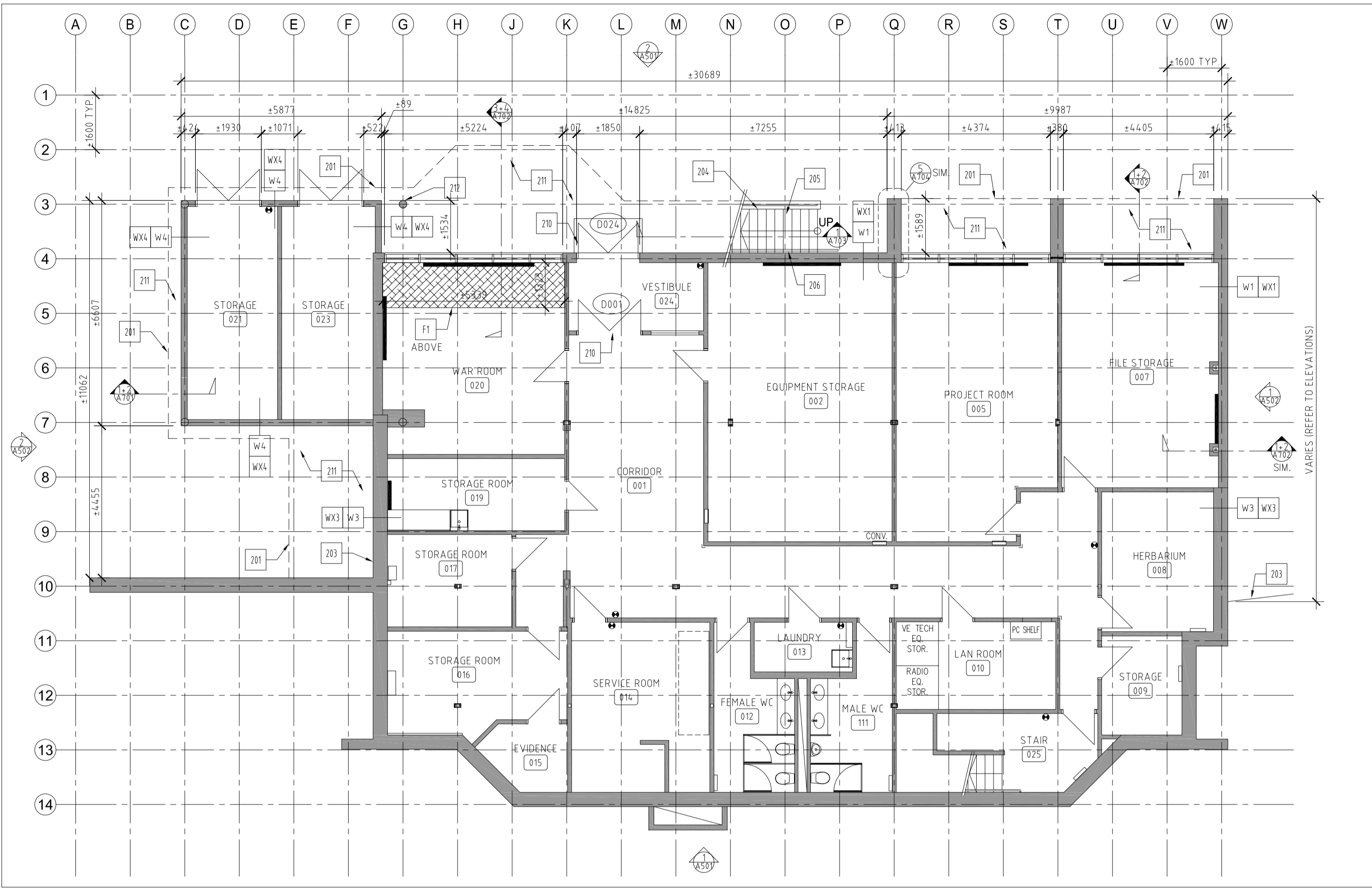


**LEGEND**

- EXISTING BUILDING TO REMAIN
- DEMOLITION
- PROPERTY LINE

**PROJECT NORTH**

|  |  |  |                         |                                |
|--|--|--|-------------------------|--------------------------------|
| 5  | 18/06/07   | Issued for Tender  | RM                      | AZ                             |
| 4  | 18/04/21   | Issued for 100% Review   | RM                      | JK                             |
| No.  | Date   | Description  | Drawn by<br>Dessiné par | Approved<br>Approuvé           |
| Revision / Revision  |  |  |                         |                                |
| <b>A</b>   | Detail number  | A Numéro de détail   |                         |                                |
| <b>B</b>   | Sheet number   | B Numéro de la feuille   |                         |                                |
| Linear dimensions<br>in millimetres  |  | Dimensions linéaires<br>en millimètres                               |                         |                                |
| Consultant's Name<br>Nom de l'expert-conseil   |  | Eng. Stamp<br>Sceau de l'ingénieur                                   |                         |                                |
| <b>kobayashi+zedda</b><br>Phone 867 633 6874   Fax 867 633 4602   info@kza.yk.ca<br>26 - 1114 Front Street Whitehorse, YT, Y1A 1A3, CANADA |  |  |                         |                                |
|  | Parks Canada<br>Asset Management<br>Western and Northern<br>Region | Parcs Canada<br>Gestion des biens<br>Région de l'Ouest et du<br>Nord |                         |                                |
| <b>Canada</b>  |  |  |                         |                                |
| Project title/Titre du projet  |  |  |                         |                                |
| <b>KLUANE NATIONAL PARK HEADQUARTERS<br/>BUILDING SIDING &amp; ROOFING<br/>REPLACEMENT</b>   |  |  |                         |                                |
| Drawing title/Titre du dessin  |  |  |                         |                                |
| <b>LEGEND, ASSEMBLIES &amp; SITE PLAN</b>  |  |  |                         |                                |
| Surveyed by/Arpenté par  | Drawn by/Dessiné par   | Date   |                         |                                |
|  | RM   | 2017/09/05   |                         |                                |
| Designed by/Concept par  | Reviewed by/Revisé par   | Scale/Echelle  |                         |                                |
| RM   | JK   | AS SHOWN   |                         |                                |
| Client Acceptance/Acceptation du client  |  | Approved by/Approuvé par   |                         |                                |
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| Date   |  | Date   |                         |                                |
| Project No./N° du projet   |  | Asset No./N° du bien   |                         | Sheet No./<br>N° de la feuille |
| 1741   |  |  |                         | <b>A101</b>                    |
| Drawing Reference No./N° de référence du dessin  |  |  |                         |                                |
| 1741-100.dwg   |  |  |                         |                                |



- SPECIFIC NOTES**
- EX EXISTING TO REMAIN
  - 201 OUTLINE OF OVERHANG/WALL ABOVE
  - 202 SLOPING SILL BELOW
  - 203 GRADE VARIES AGAINST FOUNDATION WALL
  - 204 NEW GALV. METAL PIPE GUARDRAIL, C/W STAINLESS STEEL CABLE INFILL GUARDS. REFER TO DETAILS
  - 205 REPLACE EXISTING DECKING AND SLEEPERS WITH NEW WOOD DECKING
  - 206 NEW 32mm Ø GALV. STEEL HANDRAIL W/ 50mm CLEAR BEHIND AND BRACKETS @ MAX. 1200 o.c. - EXTEND BEYOND STAIR RISER 300mm @ TOP & 600mm @ BOTTOM
  - 207 NEW 89x89mm PWF POST W/ BASE PLATE, & NEW METAL ROOFING
  - 208 REMOVE EXISTING PAYPHONE - COORDINATE W/ NORTHWESTEL
  - 209 NEW DOOR HARDWARE ON EXIST. ALUMINUM DOOR. PATCH EXIST. DOOR TO MATCH EXIST.
  - 210 INSTALL NEW DOOR SEALS & THRESHOLD AS SCHEDULED
  - 211 NEW WOOD SOFFIT FINISH ABOVE
  - 212 RE-PAINT EXIST. WOOD COLUMN
  - 213 NEW PARAPET CAP FLASHING W/ STANDING SEAMS @ CORNERS & FLAT LOCK SEAMS ELSEWHERE
  - 214 REMOVE EXIST. BALLAST & REPAIR MEMBRANE AT EXIST. ROOF DRAIN. INSTALL NEW CAP SHEET MEMBRANE AROUND OPENING FOR DRAIN. TIE INTO ROOF DRAIN FLANGE
  - 215 REMOVE EXIST. METAL STAND FROM ROOF
  - 216 EXISTING SATELLITE AND CABLE TO REMAIN. REPLACE ALL EXISTING PAVING STONE BALLAST WITH NEW & TIE-CAP SHEET INTO NEW ROOF MEMBRANE. EXIST. PROVIDE NEW ROOF TOP CABLE TRAY WIRING SUPPORT W/ NON-PENETRATING SELF-BALLASTED BASES AND GALVANIZED STEEL FRAMING.
  - 217 EXISTING EQUIPMENT & MECH ROOF CURB - TIE EXIST. CAP SHEET INTO NEW ROOF MEMBRANE
  - 218 EXISTING MECH. HOOD - REMOVE TO ALLOW FOR SEALING INTO NEW AIR BARRIER. INSTALL NEW FLASHINGS
  - 219 REMOVE EXISTING BUILD-UP AT WALL AS DETAIL AND INSTALL 2-PLY MEMBRANE AS DETAILED
  - 220 PROVIDE NEW FLASHING DETAIL AT MECHANICAL CURB. INSTALL AIRTIGHT FLASHING AROUND CHIMNEY. REFER TO DETAILS
  - 221 REPAIR MEMBRANE AT ROOF VENT
  - 222 REMOVE, RELOCATE & RE-INSTALL EXISTING ANTENNA
  - 223 PROVIDE NEW FLASHING DETAIL AT MECHANICAL CURB
  - 224 PROVIDE NEW FLASHING DETAIL AT MECHANICAL CURB. REFER TO DETAIL
  - 225 MODIFY INTERIOR WINDOW SILL, HEAD AND JAMB FINISHES TO SUIT NEW WINDOW/DOOR
  - 226 PROVIDE 50mm FOAMED PLASTIC PROTECTION BOARDS BETWEEN JOISTS @ ALL RIM BOARDS
  - 227 RE-FRAME OPENING FOR NEW DOOR. PROVIDE 2 - 38 x 235 LINTEL ON 2 - 38x89 CRIPPLES BOTH SIDES
  - 228 RELOCATE EXISTING MAST - REFER TO STRUCTURAL FOR UPGRADES. PATCH AND MAKE GOOD MATERIALS AT EXISTING LOCATION TO MATCH ADJACENT ASSEMBLIES
  - 229 LOCATION OF JUNCTION BOX FOR FUTURE CARD READER CONNECTED TO DOOR D112

PROJECT NORTH

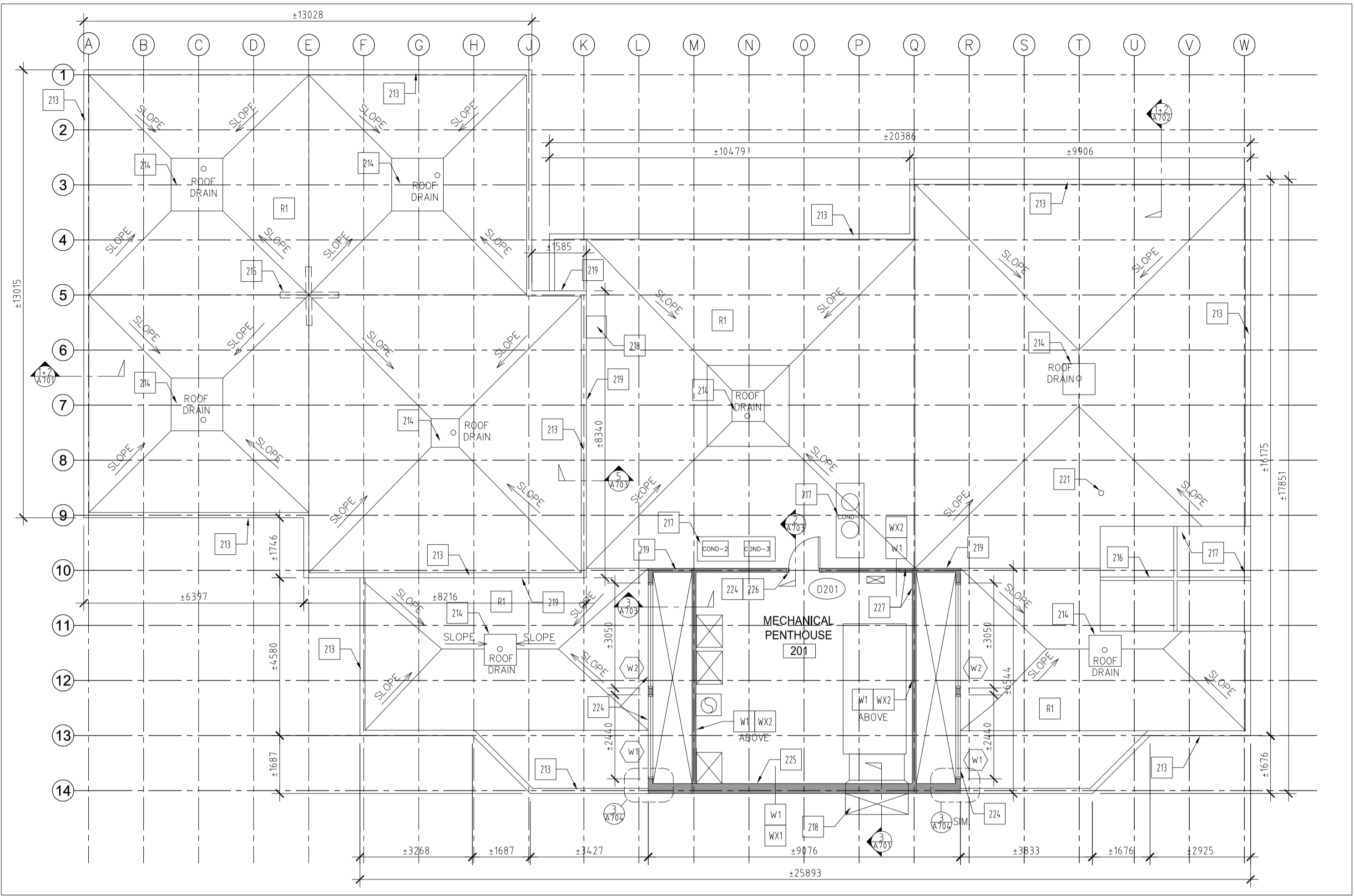
**GENERAL NOTES**

- ALL DIMENSIONS ARE TAKEN FROM THE EDGE OF RIGID INSULATION ON EXTERIOR WALLS. FOR INTERIOR WALLS, DIMENSIONS ARE TAKEN FROM THE CENTER OF THE WALL. GRID LINES ARE TO CENTERLINE OF STUDS.
- GRIDLINES AND AS-BUILT INFORMATION ARE BASED UPON AS-BUILT DRAWINGS FROM ORIGINAL CONSTRUCTION AND OFFICE CONSOLIDATION PROJECT. FIELD VERIFY ALL DIMENSIONS.
- CONTRACTOR TO PATCH AND MAKE GOOD ALL EXTERIOR AND INTERIOR FINISHES AFFECTED BY THE WORK OF THIS PROJECT.
- ALL EXTERIOR WALLS ARE ASSEMBLY W1/WX1 UNLESS NOTED OTHERWISE

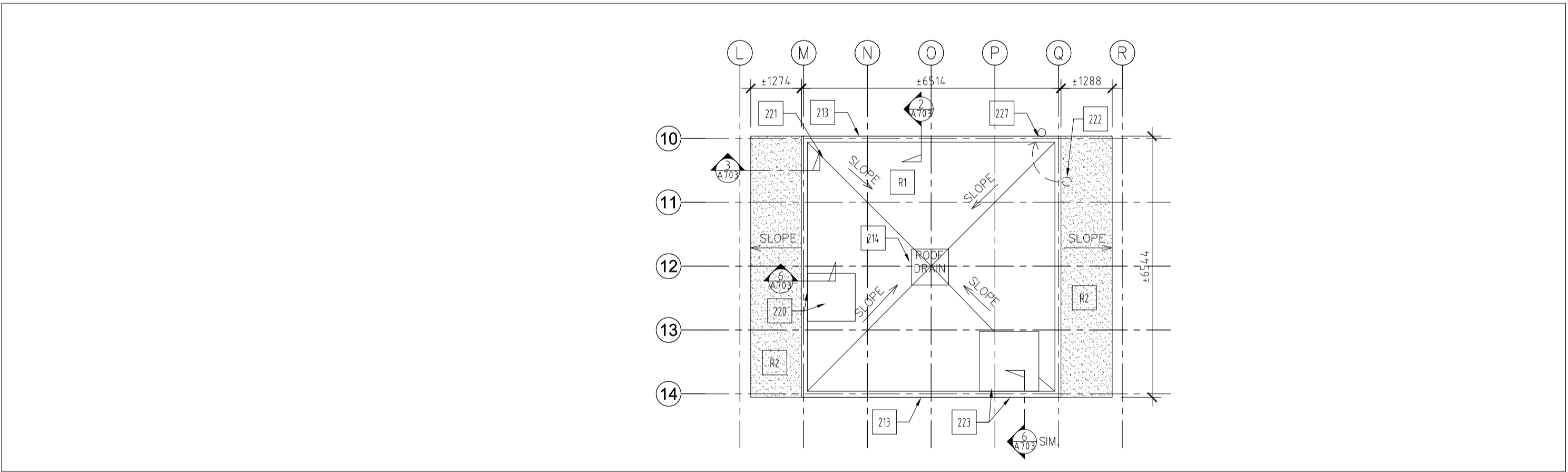
**LEGEND**

- EXISTING BUILDING TO REMAIN
- AREA REQUIRING PROTECTION OF FOAMED PLASTICS
- DEMOLITION
- GRID LINE
- BULKHEAD
- NEW COLUMN
- NEW DOOR
- EXISTING DOOR TO REMAIN

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|--|----------|--|-------------------------|--------------------------------|
| 5  | 18/05/17 | Issued for Tender                            | RM                      | JK                             |
| 4  | 18/04/21 | Issued for 100% Review                       | RM                      | JK                             |
| No.  | Date     | Description                                  | Drawn by<br>Dessiné par | Approved<br>Approuvé           |
| Revision / Revision  |          |  |                         |                                |
| <div>A</div> <div>B</div>  |          | Detail number<br>Sheet number                |                         |                                |
|  |          | A Numéro de détail<br>B Numéro de la feuille |                         |                                |
| Linear dimensions<br>in millimetres  |          | Dimensions linéaires<br>en millimètres       |                         |                                |
| Consultant's Name<br>Nom de l'expert-conseil   |          | Eng. Stamp<br>Sceau de l'ingénieur           |                         |                                |
| <div><b>kobayashi+zedda</b></div> <div>Phone 867 633 6874   Fax 867 633 4602   info@kza.yk.ca<br/>26 - 1114 Front Street Whitehorse, YT, Y1A 1A3, CANADA</div>                     |          |  |                         |                                |
| <div> Parks Canada</div> <div>Asset Management<br/>Western and Northern<br/>Region</div> <div>Parcs Canada</div> <div>Gestion des biens<br/>Région de l'Ouest et du<br/>Nord</div> |          |  |                         |                                |
| <h1>Canada</h1>  |          |  |                         |                                |
| Project title/Titre du projet  |          |  |                         |                                |
| KLUANE NATIONAL PARK HEADQUARTERS  |          |  |                         |                                |
| BUILDING SIDING & ROOFING  |          |  |                         |                                |
| REPLACEMENT  |          |  |                         |                                |
| Drawing title/Titre du dessin  |          |  |                         |                                |
| LOWER & MAIN FLOOR PLANS   |          |  |                         |                                |
| Surveyed by/Arpenté par  |          | Drawn by/Dessiné par                         | Date                    |                                |
|  |          | RM   | 2017/09/05              |                                |
| Designed by/Concept par  |          | Reviewed by/Revisé par                       | Scale/Echelle           |                                |
| RM   |          | JK   | AS SHOWN                |                                |
| Client Acceptance/Acceptation du client  |          | Approved by/Approuvé par                     |                         |                                |
|  |          |  |                         |                                |
| Date   |          | Date   |                         |                                |
| Project No./Nº du projet   |          | Asset No./Nº du bien                         |                         | Sheet No./<br>Nº de la feuille |
| 1741   |          |  |                         | 1741                           |
| Drawing Reference No./Nº de référence du dessin  |          |  |                         |                                |
| 1741-200.dwg   |          | A201   |                         |                                |



1  
A201  
PENTHOUSE FLOOR PLAN  
SCALE 1:100



2  
A201  
PENTHOUSE ROOF PLAN  
SCALE 1:100

#### SPECIFIC NOTES

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- 201 OUTLINE OF OVERHANG/WALL ABOVE
- 202 SLOPING SILL BELOW
- 203 GRADE VARIES AGAINST FOUNDATION WALL
- 204 NEW GALV. METAL PIPE GUARDRAIL, C/W STAINLESS STEEL CABLE INFILL GUARDS. REFER TO DETAILS
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- 219 REMOVE EXISTING BUILD-UP AT WALL. AS DETAIL AND INSTALL 2-PLY MEMBRANE AS DETAILED
- 220 PROVIDE NEW FLASHING DETAIL AT MECHANICAL CURB. INSTALL AIRTIGHT FLASHING AROUND CHIMNEY. REFER TO DETAILS
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- 227 RE-FRAME OPENING FOR NEW DOOR. PROVIDE 2 - 38 x 235 LINTEL ON 2 - 38x89 CRIPPLES BOTH SIDES
- 228 RELOCATE EXISTING MAST - REFER TO STRUCTURAL FOR UPGRADES. PATCH AND MAKE GOOD MATERIALS AT EXISTING LOCATION TO MATCH ADJACENT ASSEMBLIES
- 229 LOCATION OF JUNCTION BOX FOR FUTURE CARD READER CONNECTED TO DOOR D112

PROJECT NORTH



#### GENERAL NOTES

- ALL DIMENSIONS ARE TAKEN FROM THE EDGE OF RIGID INSULATION ON EXTERIOR WALLS. FOR INTERIOR WALLS, DIMENSIONS ARE TAKEN FROM THE CENTER OF THE WALL. GRID LINES ARE TO CENTERLINE OF STUDS.
- GRIDLINES AND AS-BUILT INFORMATION ARE BASED UPON AS-BUILT DRAWINGS FROM ORIGINAL CONSTRUCTION AND OFFICE CONSOLIDATION PROJECT. FIELD VERIFY ALL DIMENSIONS
- CONTRACTOR TO PATCH AND MAKE GOOD ALL EXTERIOR AND INTERIOR FINISHES AFFECTED BY THE WORK OF THIS PROJECT.
- ALL EXTERIOR WALLS ARE ASSEMBLY W1/WX1 UNLESS NOTED OTHERWISE

#### LEGEND

- EXISTING BUILDING TO REMAIN
- AREA REQUIRING PROTECTION OF FOAMED PLASTICS
- DEMOLITION
- GRID LINE
- BULKHEAD
- NEW COLUMN
- NEW DOOR
- EXISTING DOOR TO REMAIN

|     |          |                        |                         |                      |
|-----|----------|------------------------|-------------------------|----------------------|
| 5   | 18/05/17 | Issued for Tender      | RM                      | JK                   |
| 4   | 18/04/21 | Issued for 100% Review | RM                      | JK                   |
| No. | Date     | Description            | Drawn by<br>Dessiné par | Approved<br>Approuvé |

Revision / Revision

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

Consultant's Name  
Nom de l'expert-conseil

Eng. Stamp  
Sceau de l'ingénieur

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Parks Canada  
Asset Management  
Western and Northern  
Region

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

# Canada

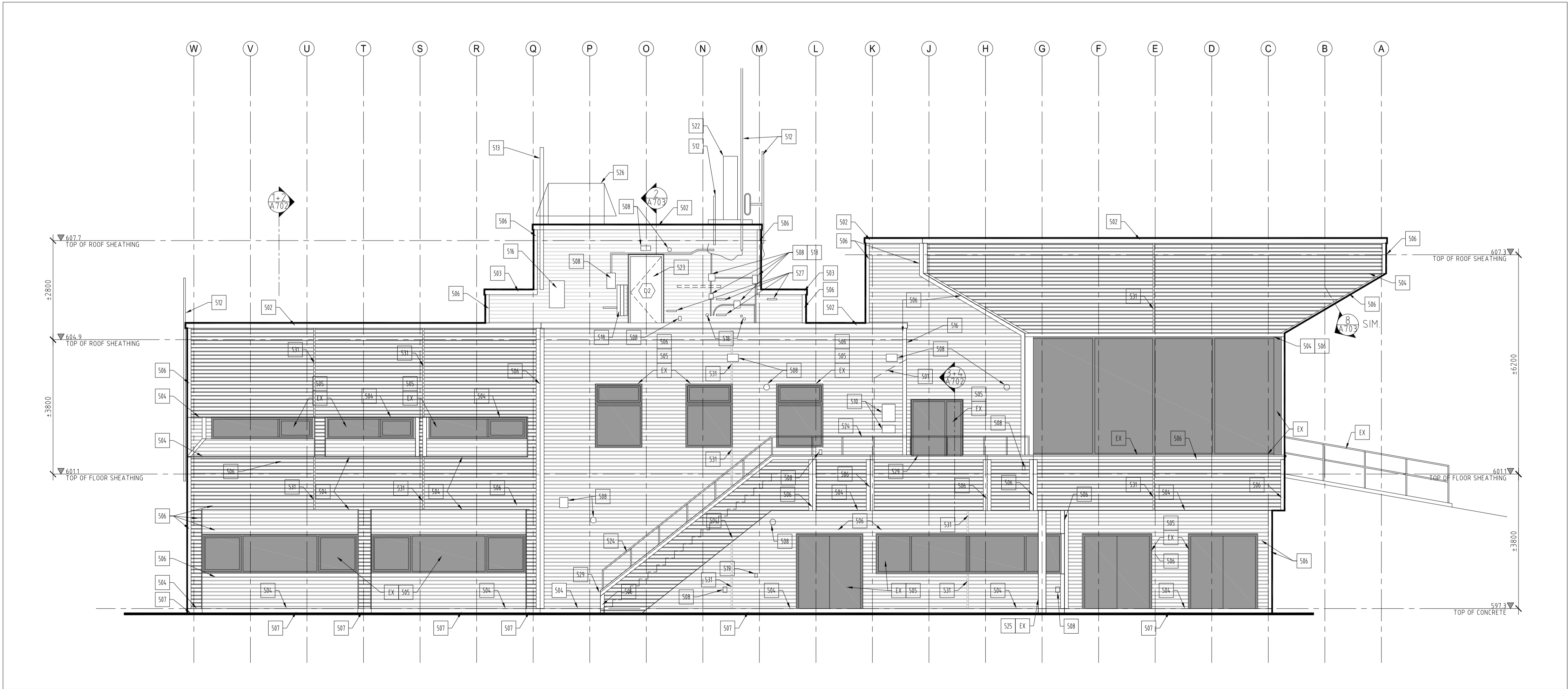
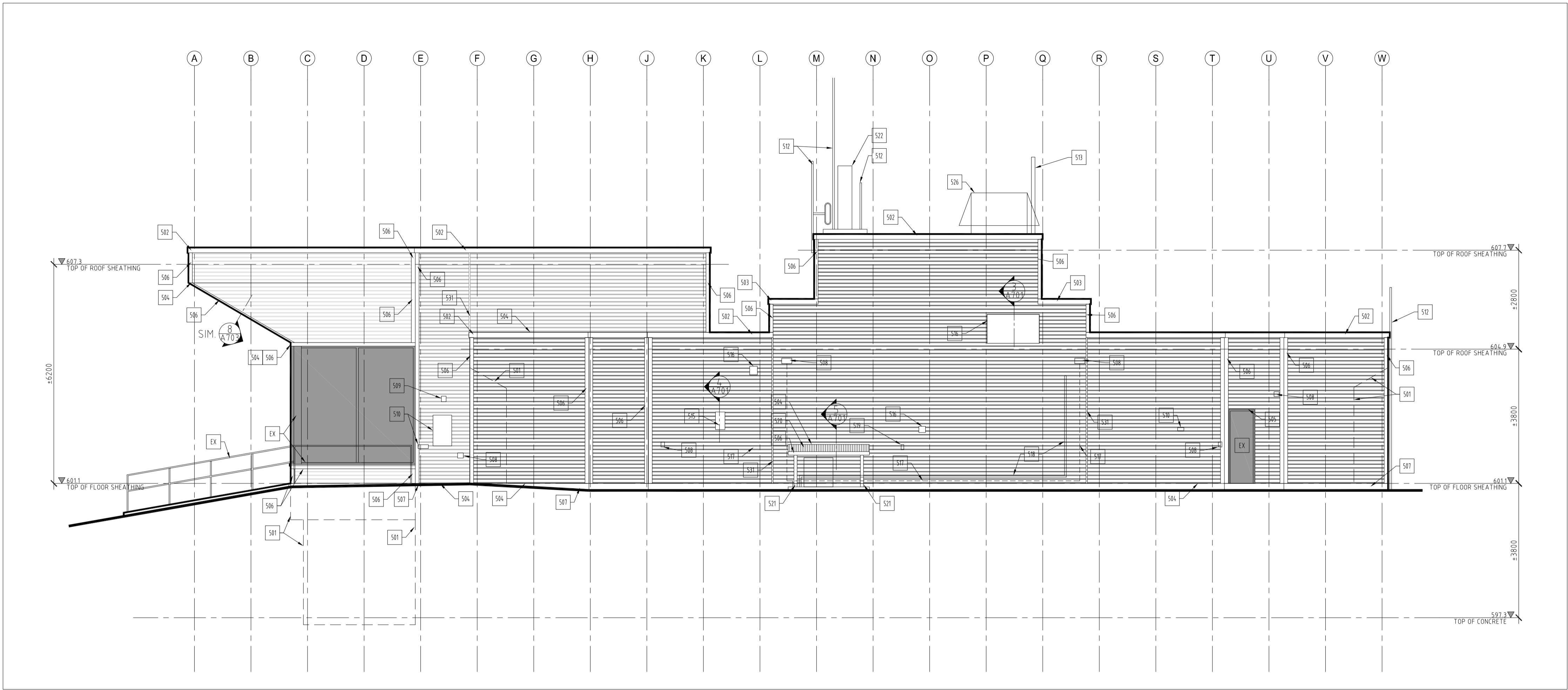
Project title/Titre du projet

**KLUANE NATIONAL PARK HEADQUARTERS**  
**BUILDING SIDING & ROOFING**  
**REPLACEMENT**

Drawing title/Titre du dessin

**ROOF & PENTHOUSE PLANS**

|   |                        |                            |
|---|------------------------|----------------------------|
| Surveyed by/Arpenté par                         | Drawn by/Dessiné par   | Date                       |
|   | RM                     | 2017/09/05                 |
| Designed by/Concept par                         | Reviewed by/Revisé par | Scale/Echelle              |
| RM  | JK                     | AS SHOWN                   |
| Client Acceptance/Acceptation du client         |                        | Approved by/Approuvé par   |
|   |                        |                            |
| Date  |                        | Date                       |
| Project No./Nº du projet                        |                        | Sheet No./Nº de la feuille |
| 1741  |                        | 1741                       |
| Drawing Reference No./Nº de référence du dessin |                        | A202                       |
| 1741-200.dwg                                    |                        |                            |



#### SPECIFIC NOTES

- EX EXISTING TO REMAIN
- 501 OUTLINE OF WALL/ROOF BEYOND
- 502 NEW 100mm PARAPET CAP FLASHING
- 503 NEW 100mm FLASHING
- 504 NEW BASE OF WALL FLASHING
- 505 NEW SILL/HEAD FLASHING & ALUMINUM TRIM
- 506 NEW ALUMINUM CLADDING TRIM
- 507 REMOVE EXIST. CONCRETE BOARD AND INSTALL NEW CONCRETE FACED INSULATION
- 508 EXISTING LIGHT/PLUG/DEVICE TO BE REMOVED, MODIFIED AND RE-INSTALLED TO ACCOMMODATE NEW WALL ASSEMBLY (TYP.). PROVIDE "J" TRIM
- 509 EXISTING FIRE ALARM DEVICE TO BE REMOVED & RE-INSTALLED. PROVIDE ALUMINUM "J" TRIM
- 510 EXISTING SIGN TO BE REMOVED & RE-INSTALLED (TYP.)
- 511 EXISTING PAY PHONE TO BE REMOVED
- 512 EXISTING ANTENNA, MAST & WIRING, TO BE REMOVED & RE-INSTALLED (TYP.). COORDINATE REMOVAL AND RE-INSTALLATION WITH DEPARTMENTAL REPRESENTATIVE. NO DOWN TIME IS ALLOWED.
- 513 RELOCATE EXISTING MAST AS PER STRUCTURAL AND RE-PAINT.
- 514 REMOVE EXISTING SURFACE-MOUNT COMPONENT
- 515 EXIST. ELECT. METER TO REMAIN. SEAL TO AIR BARRIER & PROVIDE NEW HEAD FLASHING & ALUM. TRIMS
- 516 SEALING EXISTING MECHANICAL VENT TO AIR BARRIER, AND PROVIDING NEW FLASHING AND ALUM TRIMS.
- 517 REMOVE EXIST. CONDUIT AND INSTALL NEW WITHIN WALL.
- 518 EXIST. MECH/ELECT. LINE TO REMAIN. TEMPORARILY REMOVE TO ALLOW FOR CLADDING REPLACEMENT. MODIFY TO SUIT NEW WALL ASSEMBLY.
- 519 EXIST. HOSE BIBB. MODIFY TO SUIT NEW ASSEMBLY.
- 520 NEW METAL ROOFING.
- 521 NEW P.T. WOOD POST ON GALV. STEEL BASE BRACKET
- 522 EXIST. CHIMNEY - PROVIDE NEW FLASHINGS SEALED TO PROVIDE CONT. AIR BARRIER
- 523 NEW SITE PAINTED METAL DOOR, C/W HEAD/SILL FLASHINGS AND SOLID WOOD JAMB TRIM
- 524 NEW GALV. METAL PIPE GUARDRAIL, C/W STAINLESS STEEL CABLE INFILL
- 525 RE-PAINT EXISTING COLUMN
- 526 EXISTING MECH. ROOF HOOD TO REMAIN
- 527 REMOVE & RE-INSTALL ALL SEISMIC BRACING (TYP.) - MODIFY TO ACCOMMODATE NEW WALL ASSEMBLY
- 528 NEW WINDOW/DOOR, C/W HEAD AND SILL FLASHINGS & ALUMINUM "J" TRIM
- 529 NEW WALL CAP FLASHING ON GUARDRAIL.
- 530 NEW DOOR HARDWARE AND WINDOW FILM. PATCH EXISTING DOOR HARDWARE HOLES TO MATCH ADJACENT FINISH.
- 531 EXPANSION JOINT WITH FLAT CAP AND BASE ALUMINUM TRIM SYSTEM

#### GENERAL NOTES

- ALL EXISTING WOOD SIDING, TRIMS, STRAPPING, AND FLASHING TO BE REMOVED UNLESS INDICATED OTHERWISE
- ALL EXISTING MECHANICAL AND ELECTRICAL COMPONENTS MOUNTED ON OR PENETRATING EXTERIOR WALLS ARE TO BE REMOVED AND RE-INSTALLED TO ALLOW FOR AIR SEALING, FLASHING AND SIDING REPLACEMENT UNLESS NOTED OTHERWISE.
- ALL EXISTING ANTENNAS ARE TO BE REMOVED AND RE-INSTALLED TO ALLOW FOR AIR SEALING, FLASHING AND SIDING REPLACEMENT UNLESS NOTED OTHERWISE. COORDINATE REMOVAL WITH DEPARTMENTAL REPRESENTATIVE. NO DOWN TIME IS ALLOWED.
- AS-BUILT INFORMATION ARE BASED UPON AS-BUILT DRAWINGS FROM ORIGINAL CONSTRUCTION AND OFFICE CONSOLIDATION PROJECT. FIELD VERIFY ALL DIMENSIONS.
- CONTRACTOR TO PATCH AND MAKE GOOD ALL EXTERIOR AND INTERIOR FINISHES AFFECTED BY THE WORK OF THIS PROJECT.

#### LEGEND

- EXISTING BUILDING TO REMAIN
- EXTERIOR FINISH TYPE 1
- NEW CHANNEL SIDING
- EXTERIOR FINISH TYPE 2: METAL ROOFING
- DEMOLITION
- WALL / FLOOR / CEILING / FOUNDATION OUTLINE
- DOOR / WINDOW TYPE
- PROPOSED LEVEL
- EXISTING LEVEL

|     |          |                        |                         |                      |
|-----|----------|------------------------|-------------------------|----------------------|
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Revision / Revision

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| A | Detail number | A Numéro de détail     |
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| Linear dimensions<br>in millimetres | Dimensions linéaires<br>en millimètres |
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| Consultant's Name<br>Nom de l'expert-conseil | Eng. Stamp<br>Sceau de l'ingénieur |
|--|------------------------------------|

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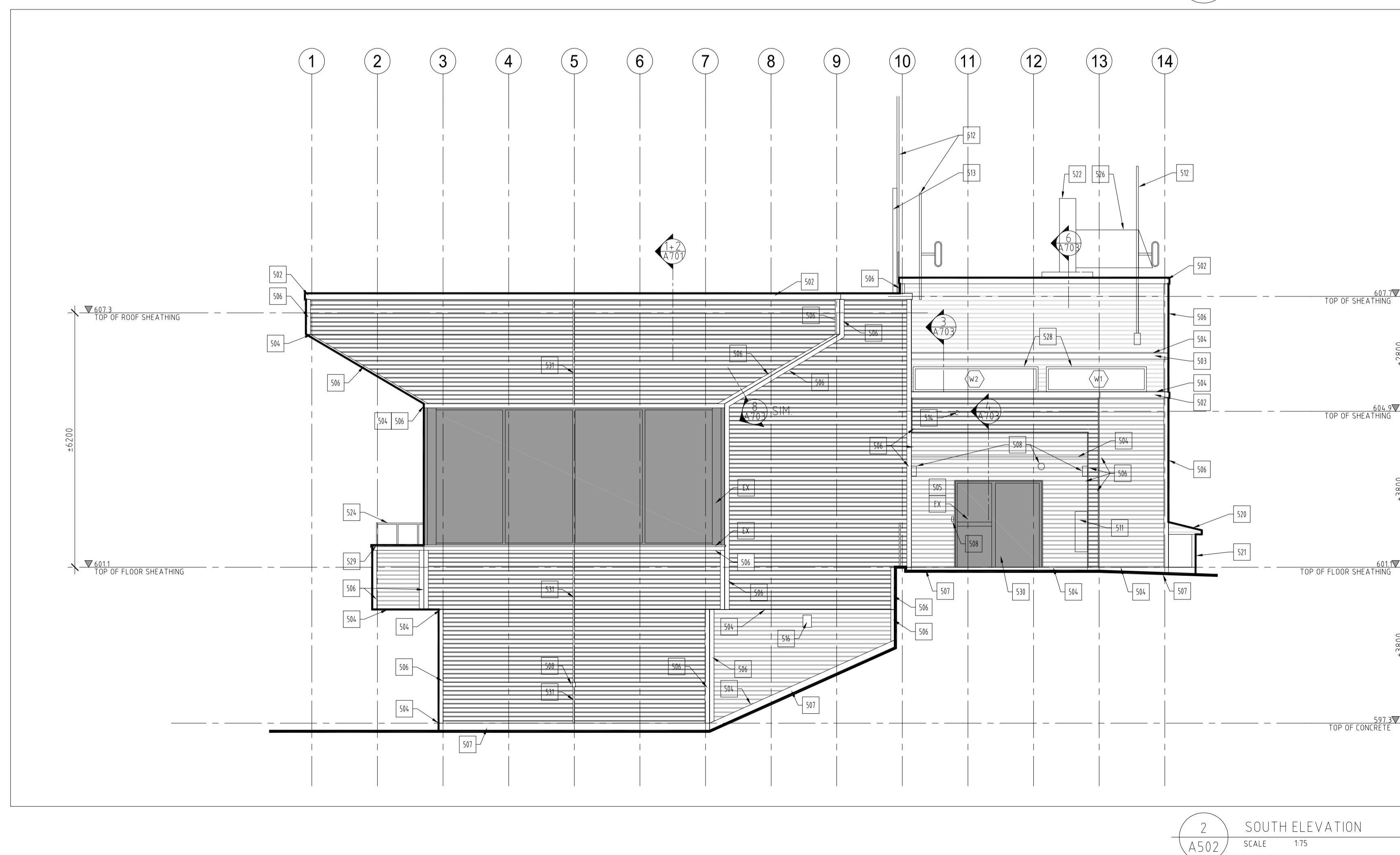
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|  | Parks Canada   | Parcs Canada |
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# Canada

Project title/Titre du projet  
**KLUANE NATIONAL PARK HEADQUARTERS**  
**BUILDING SIDING & ROOFING**  
**REPLACEMENT**








Drawing title/Titre du dessin  
**EAST & WEST ELEVATIONS**

|   |                          |                            |
|---|--------------------------|----------------------------|
| Surveyed by/Arpenté par                         | Drawn by/Dessiné par     | Date                       |
|   | RM                       | 2017/09/05                 |
| Designed by/Concept par                         | Reviewed by/Revisé par   | Scale/Echelle              |
| RM  | JK                       | AS SHOWN                   |
| Client Acceptance/Acceptation du client         | Approved by/Approuvé par |                            |
|   |                          |                            |
| Project No./N° du projet                        | Asset No./N° du bien     | Sheet No./N° de la feuille |
| 1741  |                          | A501                       |
| Drawing Reference No./N° de référence du dessin |                          |                            |
| 1741-200.dwg                                    |                          |                            |



|       |  |
|-------|--|
| EXIST | EXISTING TO REMAIN   |
| S17   | OUTLINE OF WALL/ROOF BEYOND  |
| S67   | NEW 100mm PARAPET CAP FLASHING   |
| S63   | NEW 100mm FLASHING   |
| S64   | NEW BASE OF WALL FLASHING  |
| S65   | NEW SILL/HEAD FLASHING & ALUMINUM TRIM   |
| S66   | NEW ALUMINUM CLADDING TRIM   |
| S61   | REMOVE EXIST. CONCRETE BOARD AND INSTALL NEW CONCRETE FACED INSULATION   |
| S68   | EXISTING LIGHT/PLUG/DEVICE TO BE REMOVED, MODIFIED AND RE-INSTALLED TO ACCOMMODATE NEW WALL ASSEMBLY (TYP.). PROVIDE "J" TRIM  |
| S69   | EXISTING FIRE ALARM DEVICE TO BE REMOVED & RE-INSTALLED. PROVIDE ALUMINUM "J" TRIM   |
| S18   | EXISTING SIGN TO BE REMOVED & RE-INSTALLED (TYP.)  |
| S11   | EXISTING PAY PHONE TO BE REMOVED   |
| S12   | EXISTING ANTENNA, MAST & WIRING, TO BE REMOVED & RE-INSTALLED (TYP.). COORDINATE REMOVAL AND RE-INSTALLATION WITH DEPARTMENTAL REPRESENTATIVE. NO DOWN TIME IS ALLOWED |
| S13   | RELOCATE EXISTING MAST AS PER STRUCTURAL AND RE-PAINT.   |
| S16   | REMOVE EXISTING SURFACE-MOUNT COMPONENT  |
| S14   | EXIST. ELECT. METER TO REMAIN. SEAL TO AIR BARRIER & PROVIDE NEW HEAD FLASHING & ALUM. TRIMS   |
| S15   | SEALING EXISTING MECHANICAL VENTING AIR BARRIER, AND PROVIDING NEW FLASHING, AND ALUM TRIMS  |
| S17   | REMOVE EXIST. CONDUIT AND INSTALL NEW WITHIN WALL  |
| S18   | EXIST. MECH./ELECT. LINE TO REMAIN TEMPORARILY REMOVE TO ALLOW FOR CLADDING REPLACEMENT. MODIFY TO SUIT NEW WALL ASSEMBLY  |
| S19   | EXIST. HOSE BIBS. MODIFY TO SUIT NEW ASSEMBLY  |
| S20   | NEW METAL ROOFING.   |
| S21   | NEW P.T. WOOD POST ON GALV. STEEL BASE BRACKET   |
| S22   | EXIST. CHIMNEY - PROVIDE NEW FLASHINGS SEALED TO PROVIDE CONT. AIR BARRIER   |
| S23   | NEW SITE PAINTED METAL DOOR, C/W NEW SILL FLASHINGS AND SOLID WOOD JAMB TRIM   |
| S24   | NEW GALV. METAL PIPE GUARDRAIL C/W STAINLESS STEEL CABLE INFILL  |
| S25   | RE-PAINT EXISTING COLUMN   |
| S26   | EXISTING MECH. ROOF HOOD TO REMAIN   |
| S27   | REMOVE & RE-INSTALL ALL SEISMIC FASTENERS (TYP.) - MODIFY TO ACCOMMODATE NEW WALL ASSEMBLY   |
| S28   | NEW WINDOW/DOOR, C/W HEAD AND SILL FLASHINGS & ALUMINUM "J" TRIM   |
| S29   | NEW WALL CAP FLASHING ON GUARDRAIL.  |
| S30   | NEW DOOR HARDWARE AND WINDOW PULL PATCH EXISTING DOOR HARDWARE FINISH TO MATCH ADJACENT FOLDS  |
| S31   | EXPANSION JOINT WITH FLAT CAP AND BASE ALUMINUM TRIM SYSTEM  |

1. ALL EXISTING WOOD SIDING, TRIMS, STRAPPING, AND FLASHING TO BE REMOVED UNLESS INDICATED OTHERWISE.  
ALL EXISTING MECHANICAL AND ELECTRICAL COMPONENTS MOUNTED ON OR PENETRATING EXTERIOR WALLS ARE TO BE REMOVED AND RE-INSTALLED TO ALLOW FOR AIR SEALING, FLASHING AND SIDING REPLACEMENT UNLESS NOTED OTHERWISE.
2. ALL EXISTING ANTENNAS ARE TO BE REMOVED AND RE-INSTALLED TO ALLOW FOR AIR SEALING, FLASHING AND SIDING REPLACEMENT UNLESS NOTED OTHERWISE. COORDINATE REMOVAL WITH DEPARTMENTAL REPRESENTATIVE. NO DOWN TIME IS ALLOWED.
3. AS-BUILT INFORMATION ARE BASED UPON AS-BUILT DRAWINGS FROM ORIGINAL CONSTRUCTION AND OFFICE CONSOLIDATION PROJECT. FIELD VERIFY ALL DIMENSIONS.
4. CONTRACTOR TO PATCH AND MAKE GOOD ALL EXTERIOR AND INTERIOR FINISHES AFFECTED BY THE WORK OF THIS PROJECT.

 EXISTING BUILDING TO REMAIN  
 EXTERIOR FINISH TYPE  
 NEW CHANNEL SIDING  
 EXTERIOR FINISH TYPE 2:  
 METAL ROOFING  
 ----- DEMOLITION  
 --- WALL / FLOOR / CEILING /  
 FOUNDATION OUTLINE  
 DOOR / WINDOW TYPE  
 PROPOSED LEVEL  
 -----  
 EXISTING LEVEL

|     |          |                        |                         |                      |
|-----|----------|------------------------|-------------------------|----------------------|
| 5   | 18/06/07 | Issued for Tender      | RM                      | AZ                   |
| 4   | 18/04/21 | Issued for 100% Review | RM                      | JK                   |
| No. | Date     | Description            | Drawn by<br>Dessiné par | Approved<br>Approuvé |


|  |                     |
|--|---------------------|
|  | Revision / Revision |
|--|---------------------|

|   |               |                        |
|---|---------------|------------------------|
|  | Detail number | A Numéro de détail     |
|   | Sheet number  | B Numéro de la feuille |

| Linear dimensions<br>in millimetres | Dimensions linéaires<br>en millimètres |
|-------------------------------------|--|
|-------------------------------------|--|

|  |                                    |
|--|------------------------------------|
| Consultant's Name<br>Nom de l'expert-conseil | Eng. Stamp<br>Sceau de l'ingénieur |
|--|------------------------------------|

Phone 867 633 6874 | Fax 867 633 4602 | [info@kza.yk.ca](mailto:info@kza.yk.ca)  
26 - 1114 Front Street Whitehorse, YT, Y1A 1A3, CANADA

|   |  |  |
|---|--|--|
|  | Parks Canada                                       | Parcs Canada   |
|   | Asset Management<br>Western and Northern<br>Region | Gestion des biens<br>Région de l'Ouest et du<br>Nord |

Canada

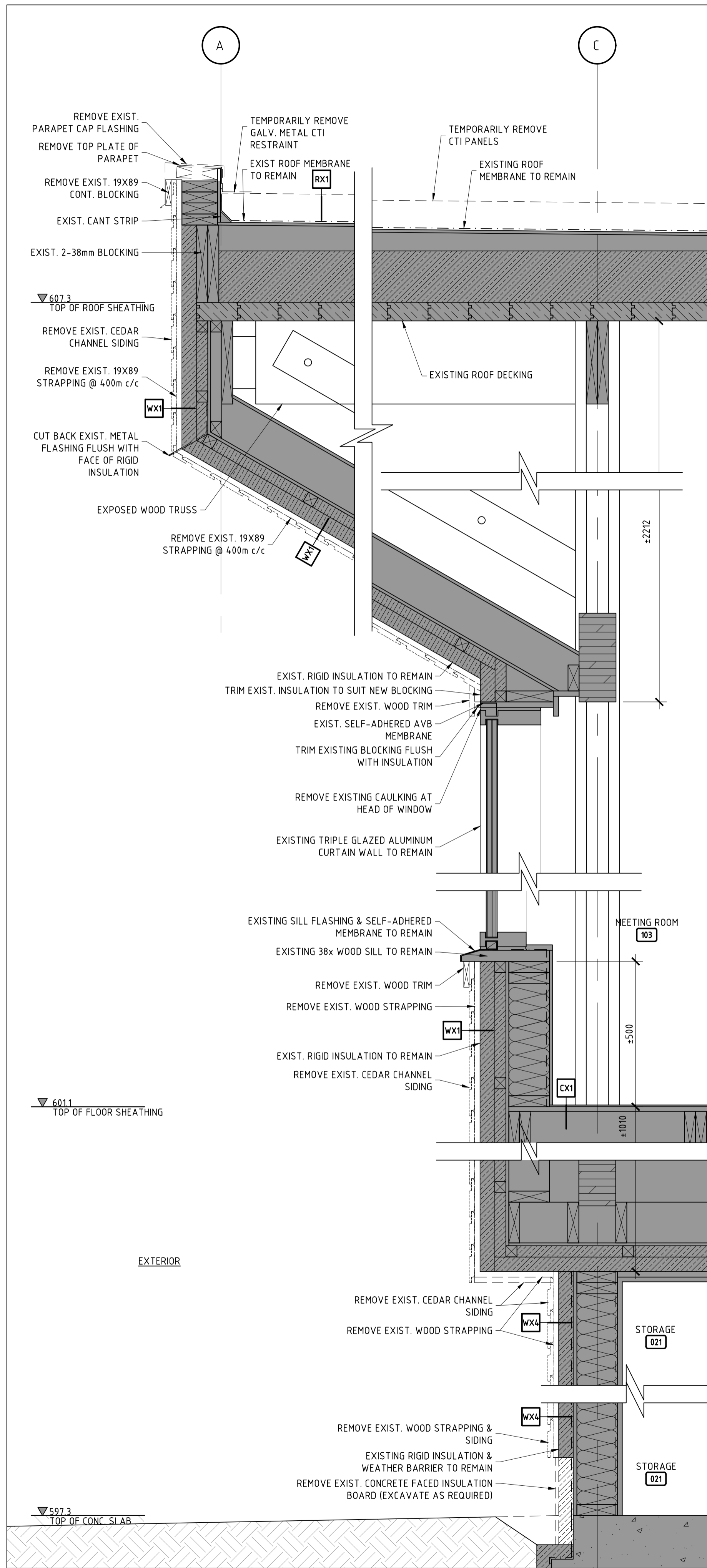
Project title/Titre du projet

REPLACEMENT

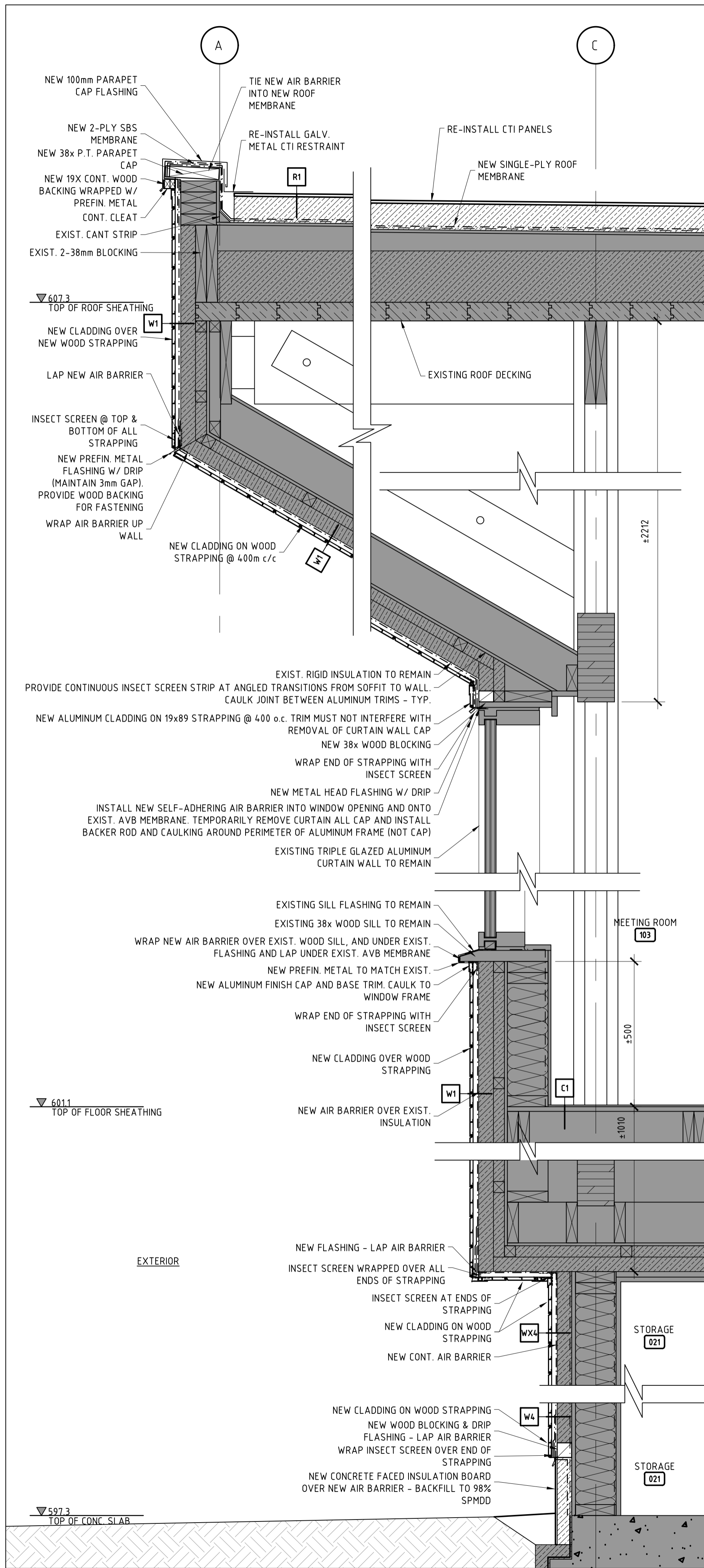
Drawing title/Titre du dessin

## NORTH & SOUTH ELEVATIONS

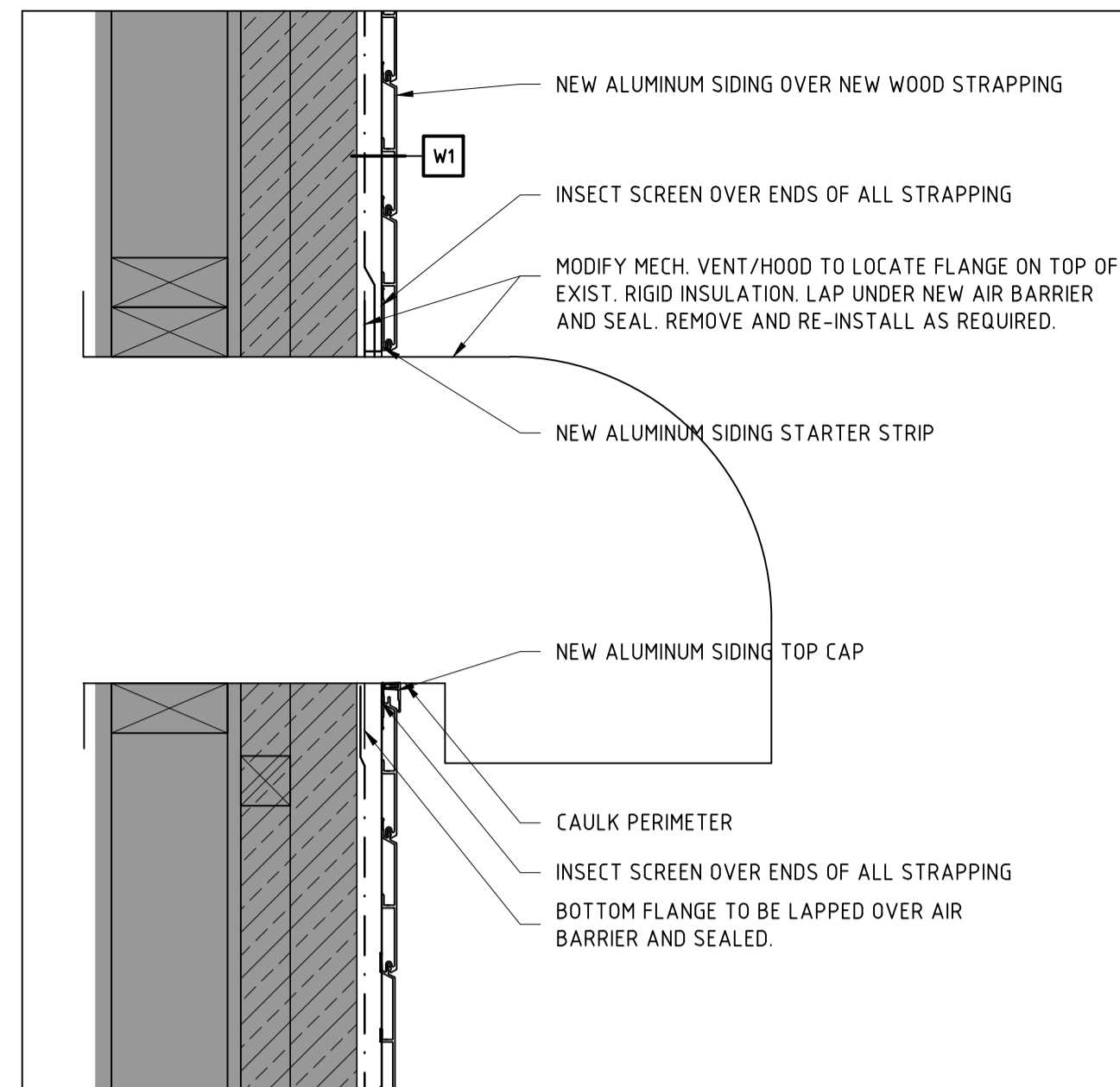
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| Surveyed by/Arpenté par                        |  | Drawn by/Dessiné par   |                          | Date                           |
| RM   |  | RM                     |                          | 2017/09/05                     |
| Designed by/Concept par                        |  | Reviewed by/Revisé par |                          | Scale/Echelle                  |
| RM   |  | JK                     |                          | AS SHOWN                       |
| Client Acceptance/Acceptation du client        |  |                        | Approved by/Approuvé par |                                |
|  |  |                        |                          |                                |
| Date   |  |                        | Date                     |                                |
| Project No./Nº du projet                       |  | Asset No./Nº du bien   |                          | Sheet No./<br>Nº de la feuille |
| 1741   |  |                        |                          |                                |
| Drawing Reference No./Nºde référence du dessin |  |                        |                          | A502                           |
| 1741-500.dwg                                   |  |                        |                          |                                |



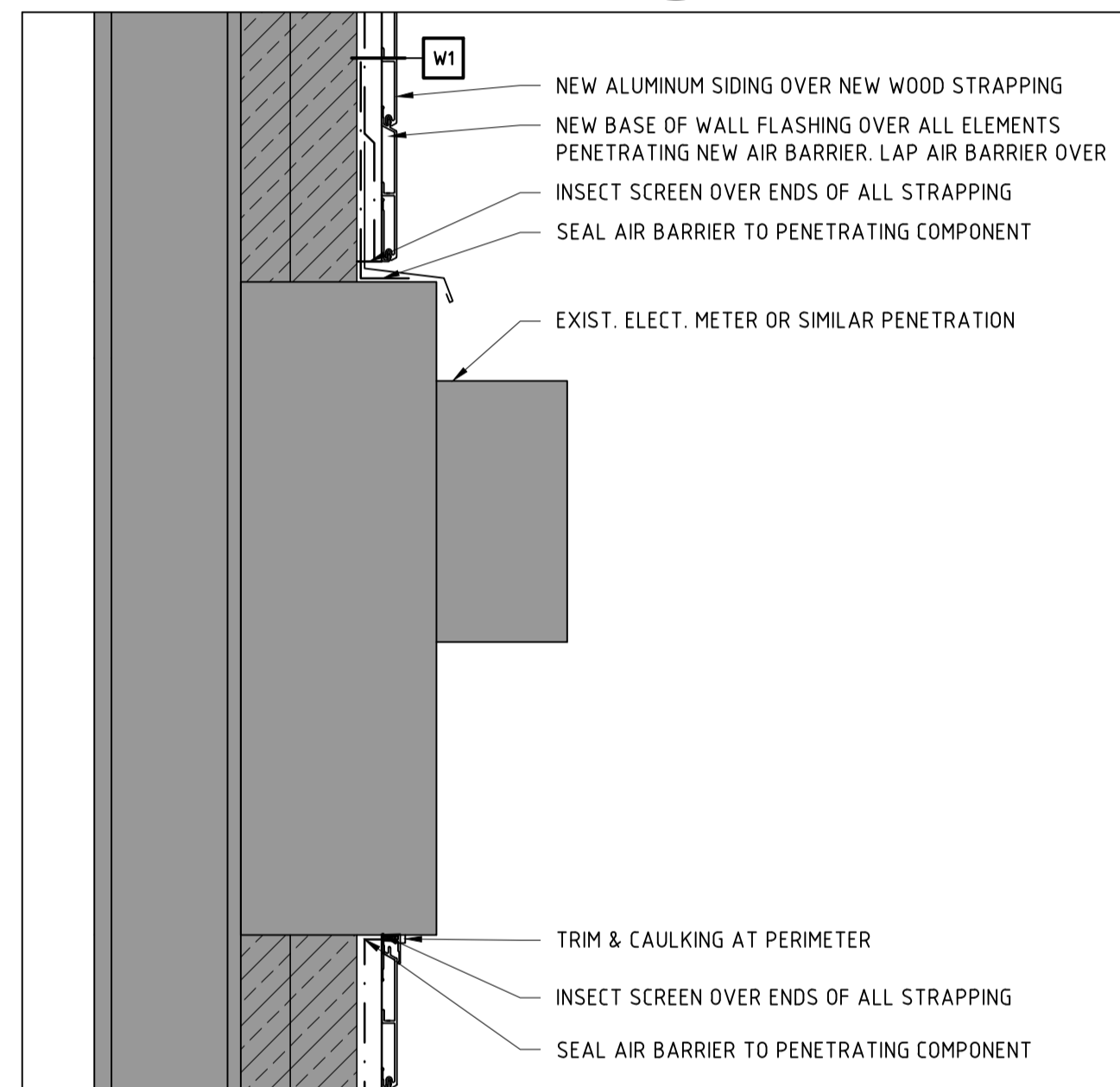
1 EXISTING WALL SECTION  
A701 SCALE 1:10



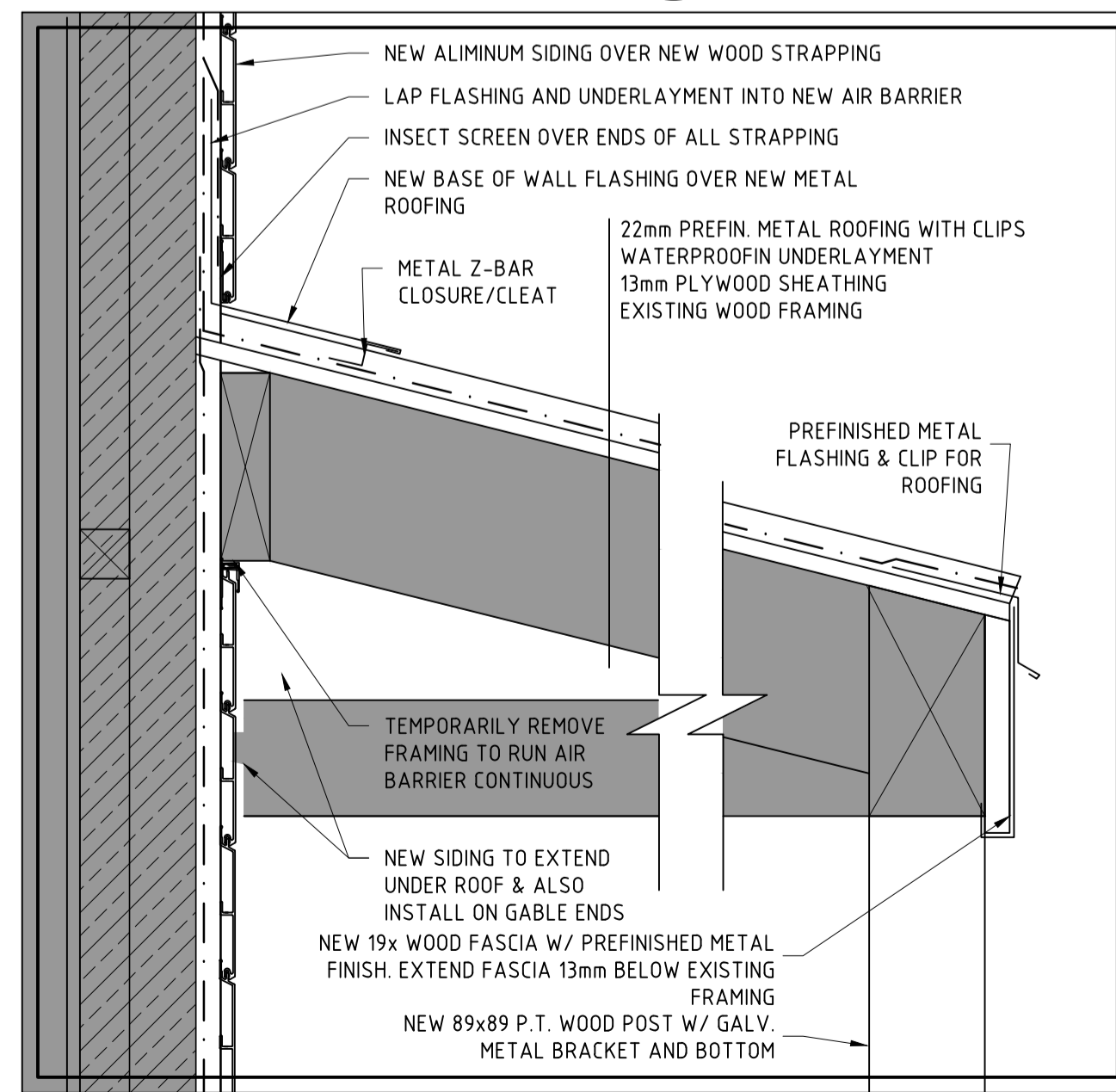
2 NEW WALL SECTION  
A701 SCALE 1:10



3 DETAIL AT MECH. LOUVRE  
A701 SCALE 1:5



4 DETAIL AT ELECT. METER  
A701 SCALE 1:5




5 DETAIL AT MECH. WELL  
A701 SCALE 1:5

## LEGEND

|  |                             |
|--|-----------------------------|
|  | EXISTING BUILDING TO REMAIN |
|  | CONCRETE                    |
|  | RIGID INSULATION BOARD      |
|  | SECTION OF GLULAM BEAM      |
|  | NEW GRANULAR MATERIAL       |
|  | NATURAL SOIL, NOT DISTURBED |
|  | DEMOLITION                  |

| 5   | 18/06/07 | Issued for Tender      | RM                      | AZ                   |
|-----|----------|------------------------|-------------------------|----------------------|
| 4   | 18/04/21 | Issued for 100% Review | RM                      | JK                   |
| No. | Date     | Description            | Drawn by<br>Dessiné par | Approved<br>Approuvé |

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

|  |                                    |
|--|------------------------------------|
| Consultant's Name<br>Nom de l'expert-conseil   | Eng. Stamp<br>Sceau de l'ingénieur |
| <b>kobayashi+zedda</b>   |                                    |
| Phone 867 633 6874   Fax 867 633 4602   info@kza.yk.ca<br>26 - 1114 Front Street Whitehorse, YT, Y1A 1A3, CANADA |                                    |

|  |  |  |
|--|--|--|
|  | Parks Canada<br>Asset Management<br>Western and Northern<br>Region | Parcs Canada<br>Gestion des biens<br>Région de l'Ouest et du<br>Nord |
|--|--|--|

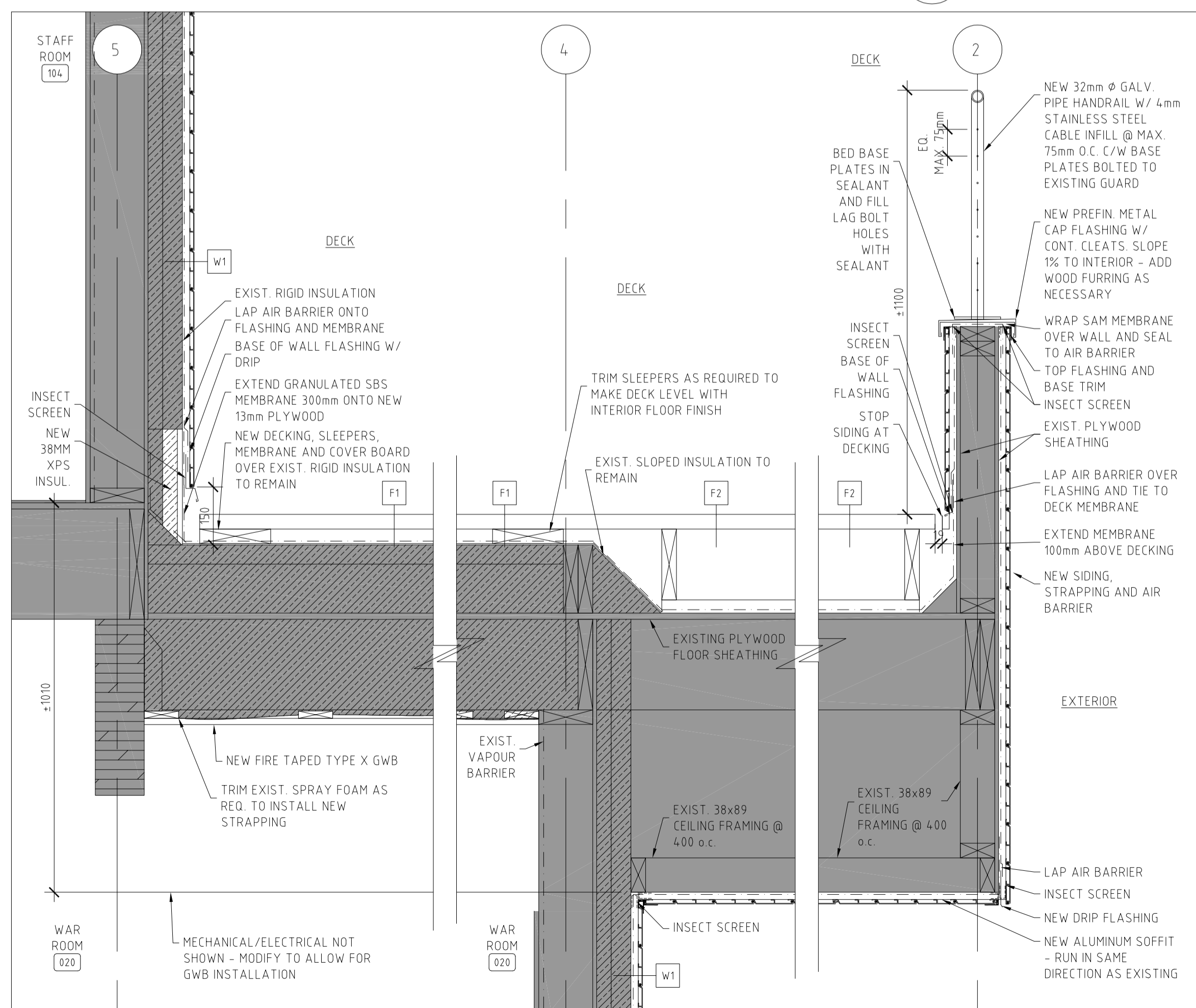
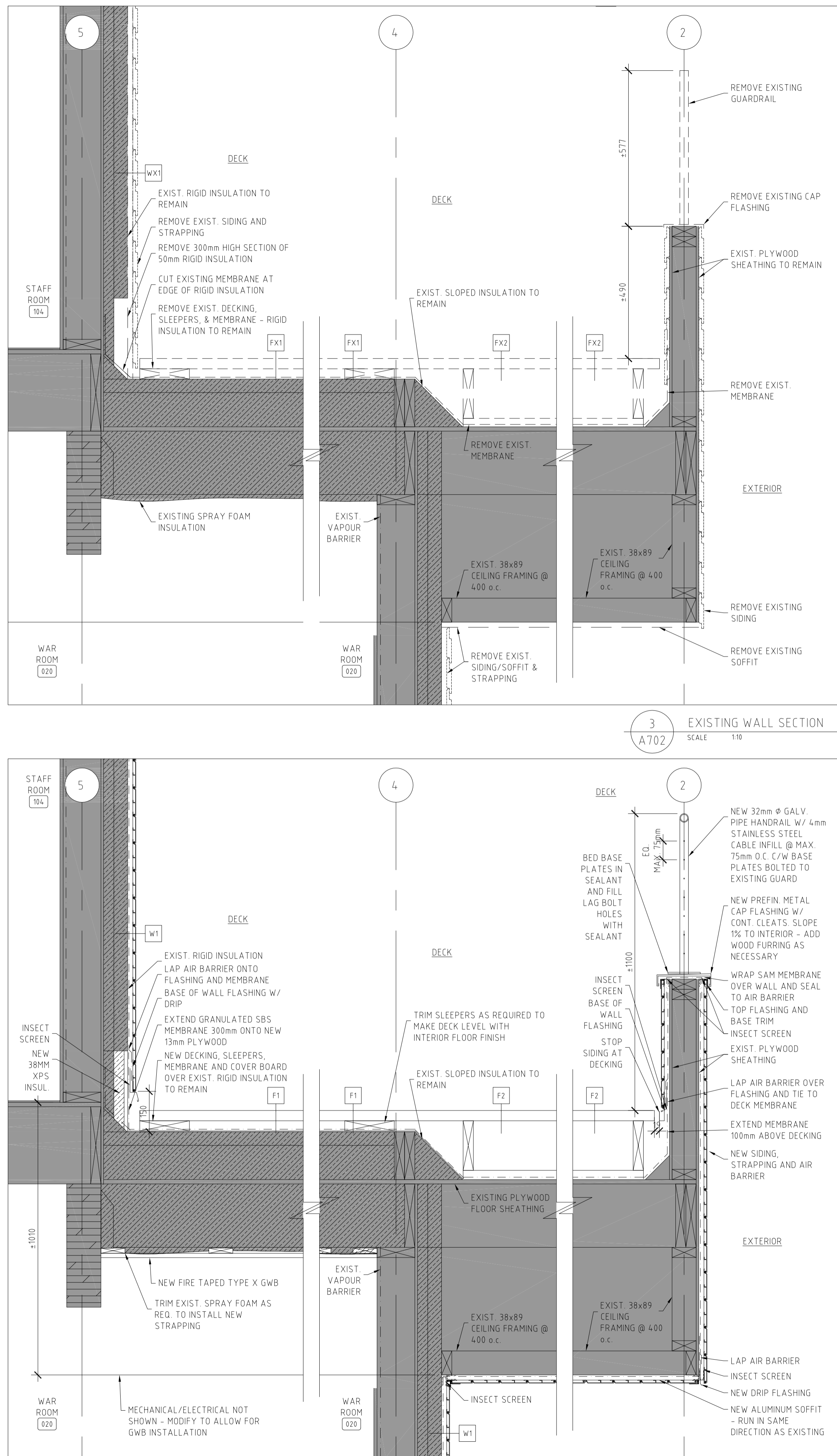
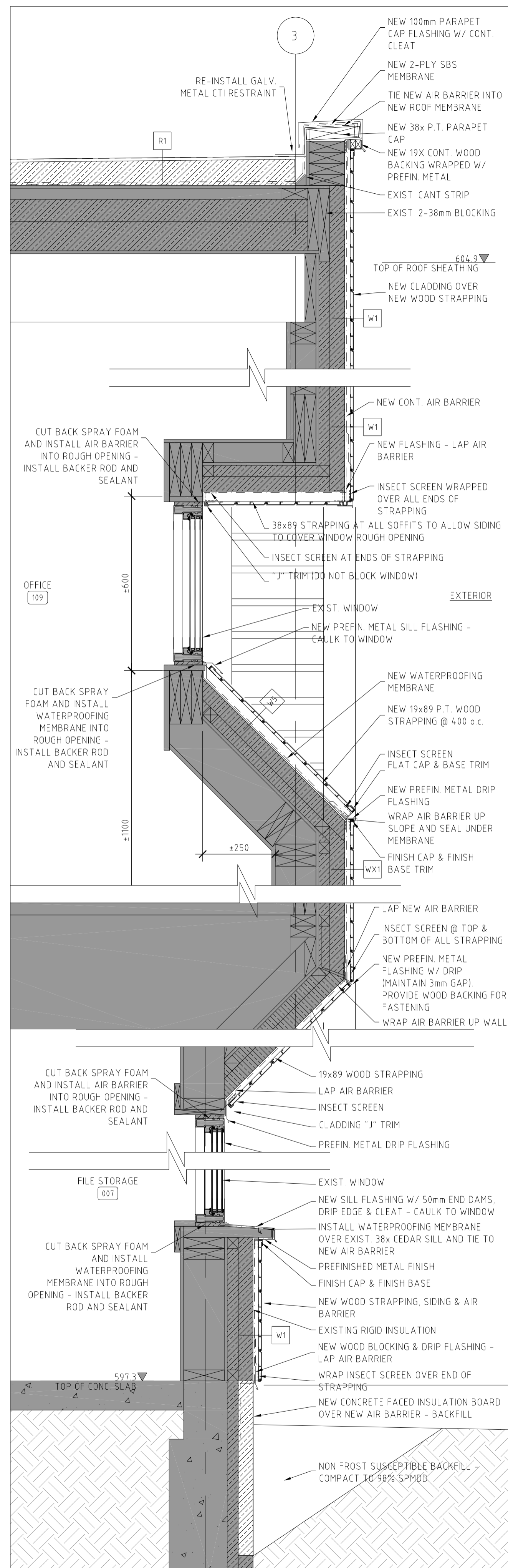
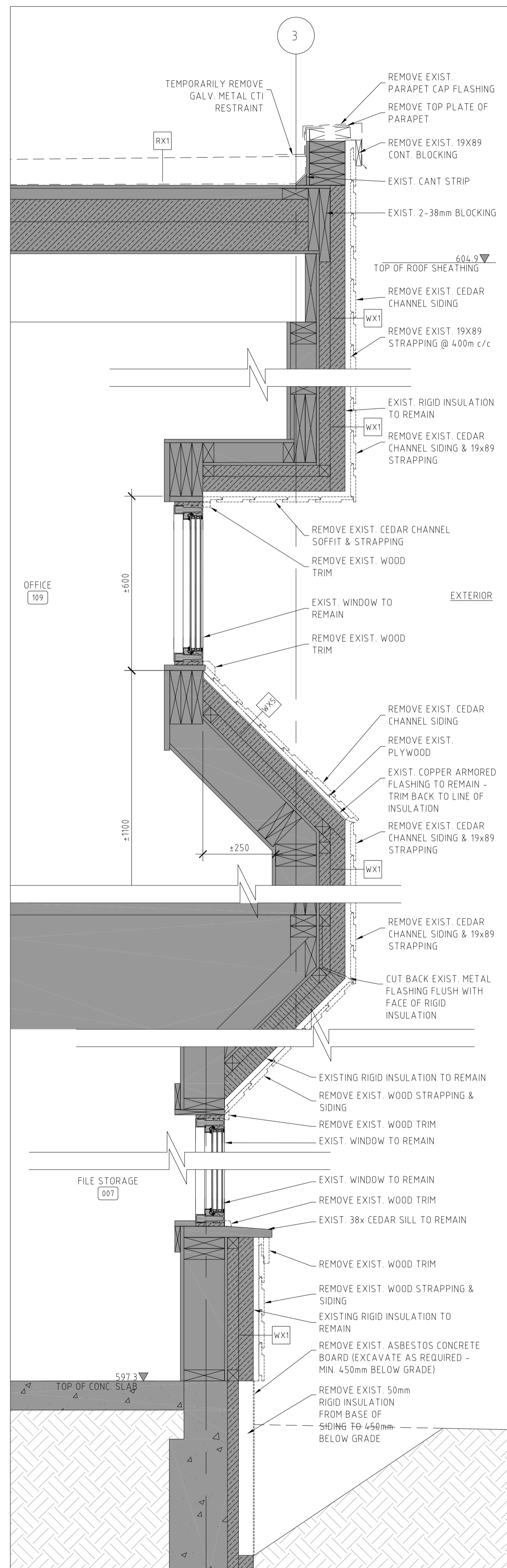
Canada

## Project title/Titre du projet KLUANE NATIONAL PARK HEADQUARTERS BUILDING SIDING & ROOFING REPLACEMENT

## Drawing title/Titre du dessin WALL SECTIONS & DETAILS

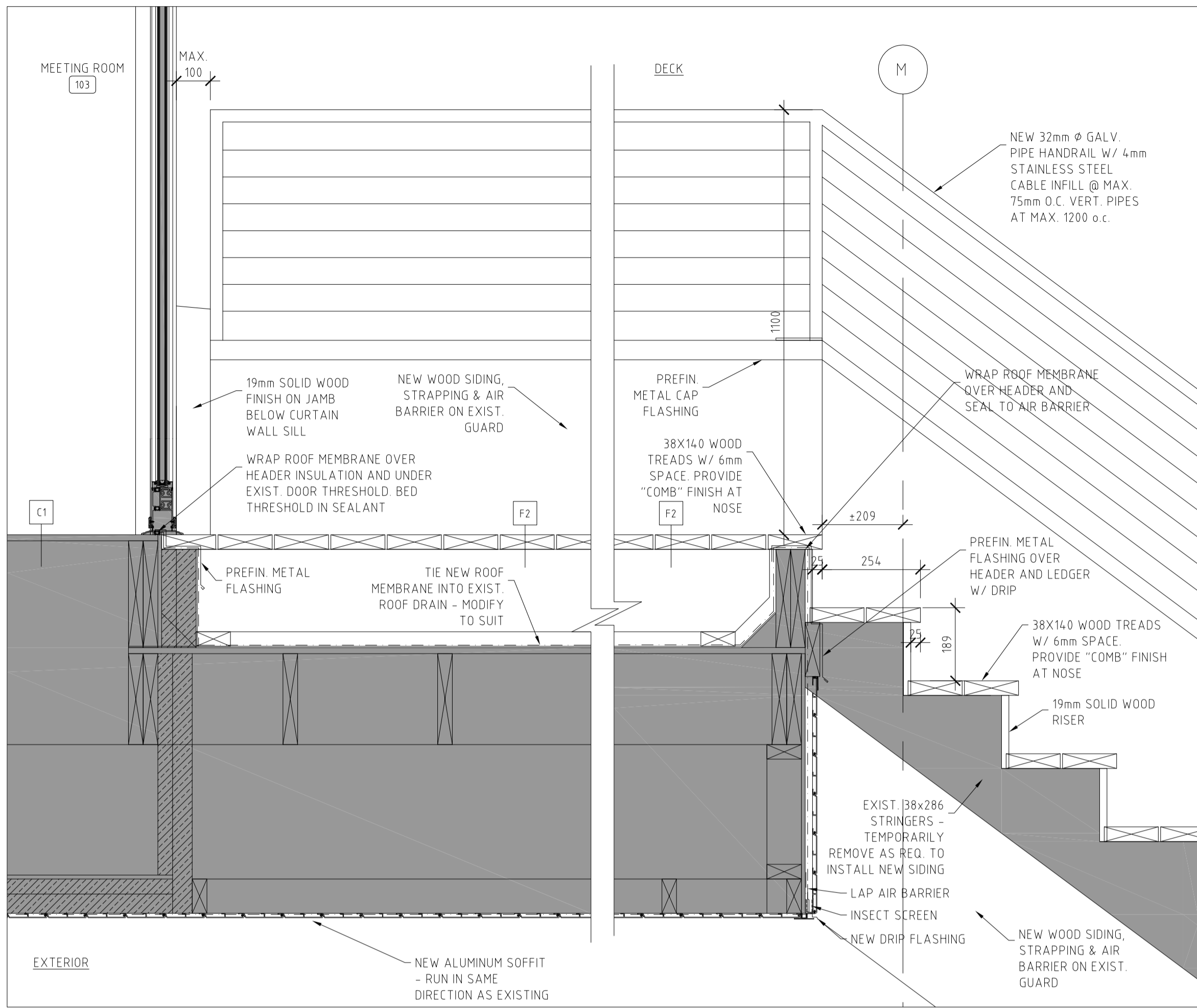
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| Surveyed by/Arpenté par<br>RM           | Drawn by/Dessiné par<br>RM   | Date<br>2017/09/05        |
| Designed by/Concept par<br>RM           | Reviewed by/Revisé par<br>JK | Scale/Echelle<br>AS SHOWN |
| Client Acceptance/Acceptation du client |                              | Approved by/Approuvé par  |

|   |                      |                                    |
|---|----------------------|------------------------------------|
| Project No./N° du projet<br>1741                                | Asset No./N° du bien | Sheet No./N° de la feuille<br>A701 |
| Drawing Reference No./N° de référence du dessin<br>1741-700.dwg |                      |                                    |

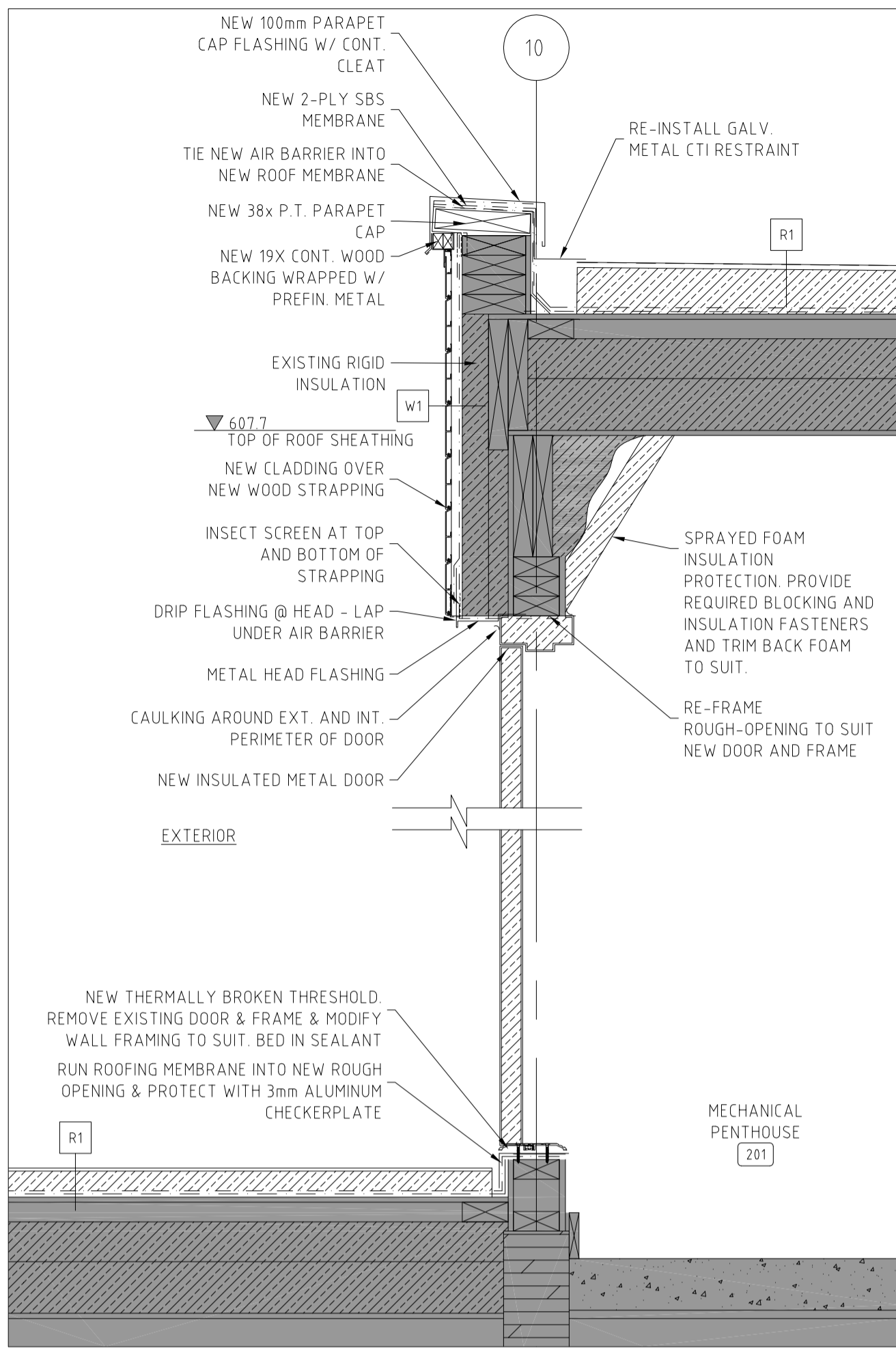


|                  |                             |
|------------------|-----------------------------|
| LEGEND           |                             |
|                  | EXISTING BUILDING TO REMAIN |
|                  | CONCRETE                    |
|                  | RIGID INSULATION BOARD      |
|                  | SECTION OF GLULAM BEAM      |
|                  | NEW GRANULAR MATERIAL       |
|                  | NATURAL SOIL, NOT DISTURBED |
| ----- DEMOLITION |                             |

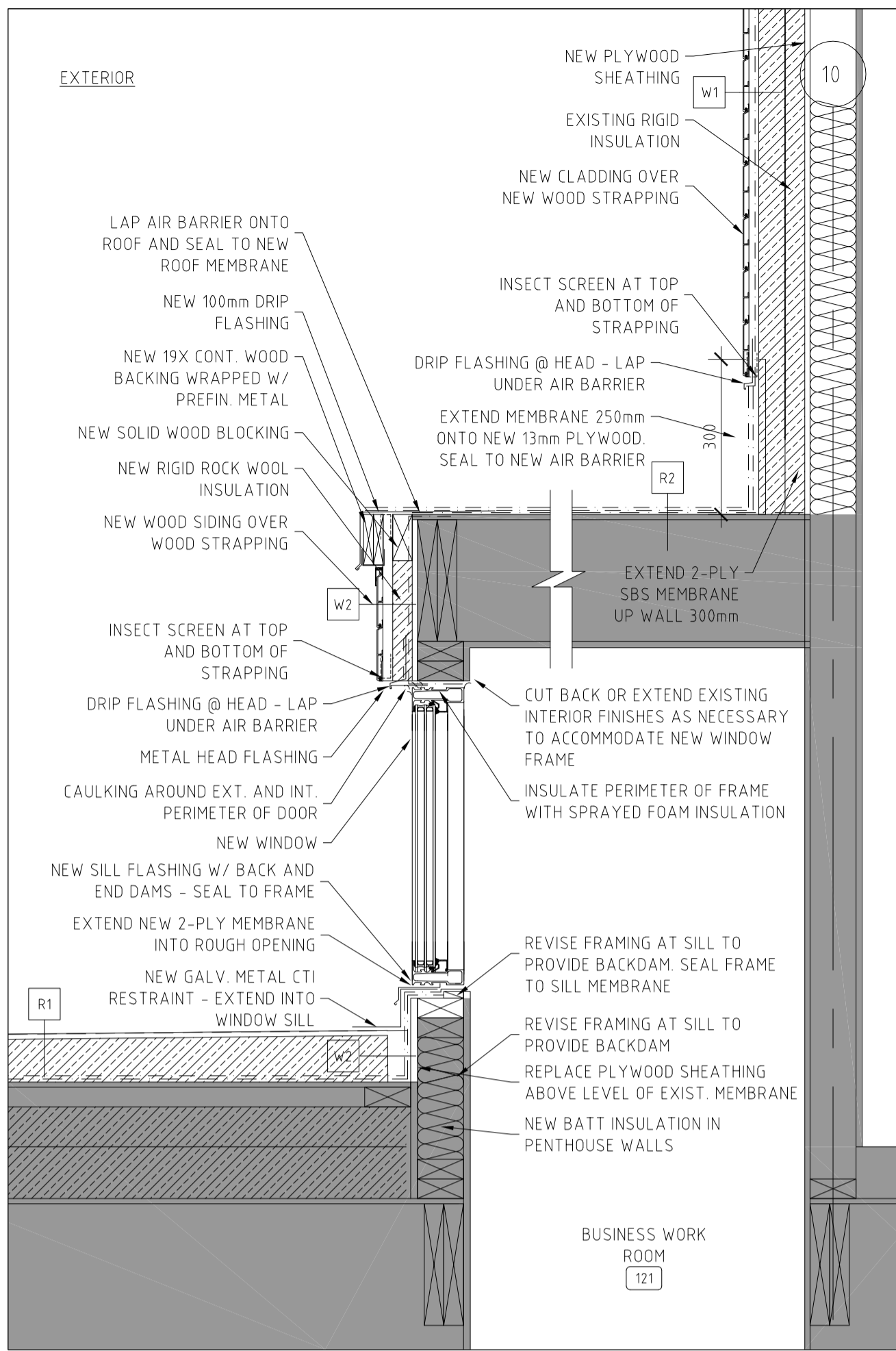
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| 5  | 18/06/07                      | Issued for Tender                                    | RM   | AZ                   |
| 4  | 18/04/21                      | Issued for 100% Review                               | RM   | JK                   |
| No.  | Date                          | Description  | Drawn by<br>Dessiné par                      | Approved<br>Approuvé |
| Revision / Revision  |                               |  |  |                      |
|  | Detail number<br>Sheet number |  | A Numéro de détail<br>B Numéro de la feuille |                      |
| Linear dimensions<br>in millimètres  |                               |  | Dimensions linéaires<br>en millimètres       |                      |
| Consultant's Name<br>Nom de l'expert-conseil   |                               |  | Eng. Stamp<br>Sceau de l'ingénieur           |                      |
| <b>kobayashi+zedda</b><br>Phone 867 633 6874   Fax 867 633 4602   info@kza.yk.ca<br>26 - 1114 Front Street Whitehorse, YT 1A 1A3, CANADA |                               |  |  |                      |
|  | Parks Canada                  | Parcs Canada   |  |                      |
| Asset Management<br>Western and Northern<br>Region   |                               | Gestion des biens<br>Région de l'Ouest et du<br>Nord |  |                      |
|  |                               |  |  |                      |
| Project title/Titre du projet  |                               |  |  |                      |
| KLUANE NATIONAL PARK HEADQUARTERS<br>BUILDING SIDING & ROOFING<br>REPLACEMENT  |                               |  |  |                      |
| Drawing title/Titre du dessin  |                               |  |  |                      |
| WALL SECTIONS & DETAILS  |                               |  |  |                      |
| Surveyed by/Arpenté par  |                               | Drawn by/Dessiné par                                 | Date   |                      |
| Designed by/Concept par  |                               | Reviewed by/Revisé par                               | Scale/Echelle                                |                      |
| Client Acceptance/Acceptation du client  |                               | Approved by/Approuvé par                             |  |                      |
| Date   |                               | Date   |  |                      |
| Project No./Nº du projet   |                               | Asset No./Nº du bien                                 | Sheet No./<br>Nº de la feuille               |                      |
| Drawing Reference No./Nº de référence du dessin  |                               | A702   |  |                      |



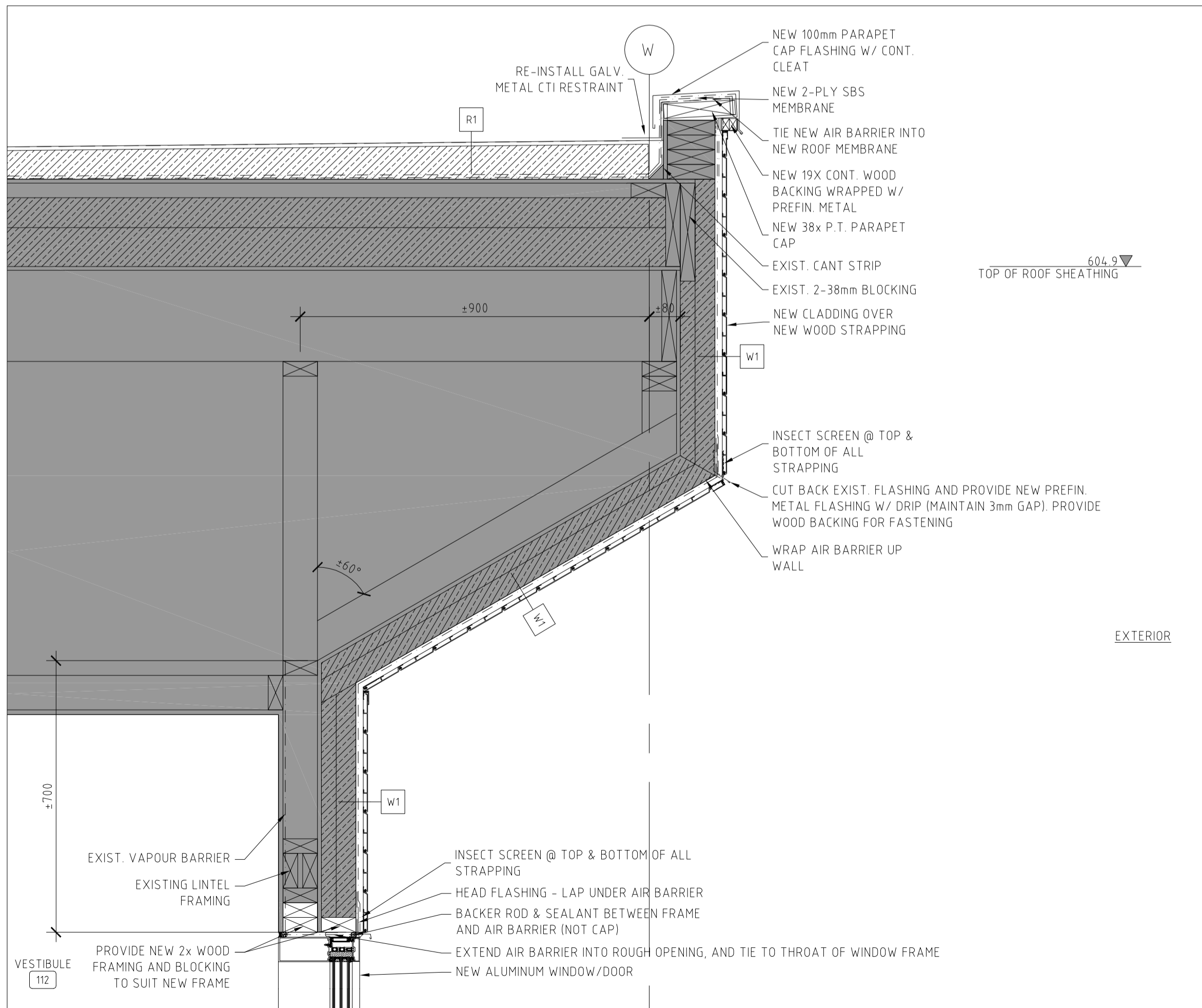
1 NEW WALL SECTION  
SCALE 1:10  
A703



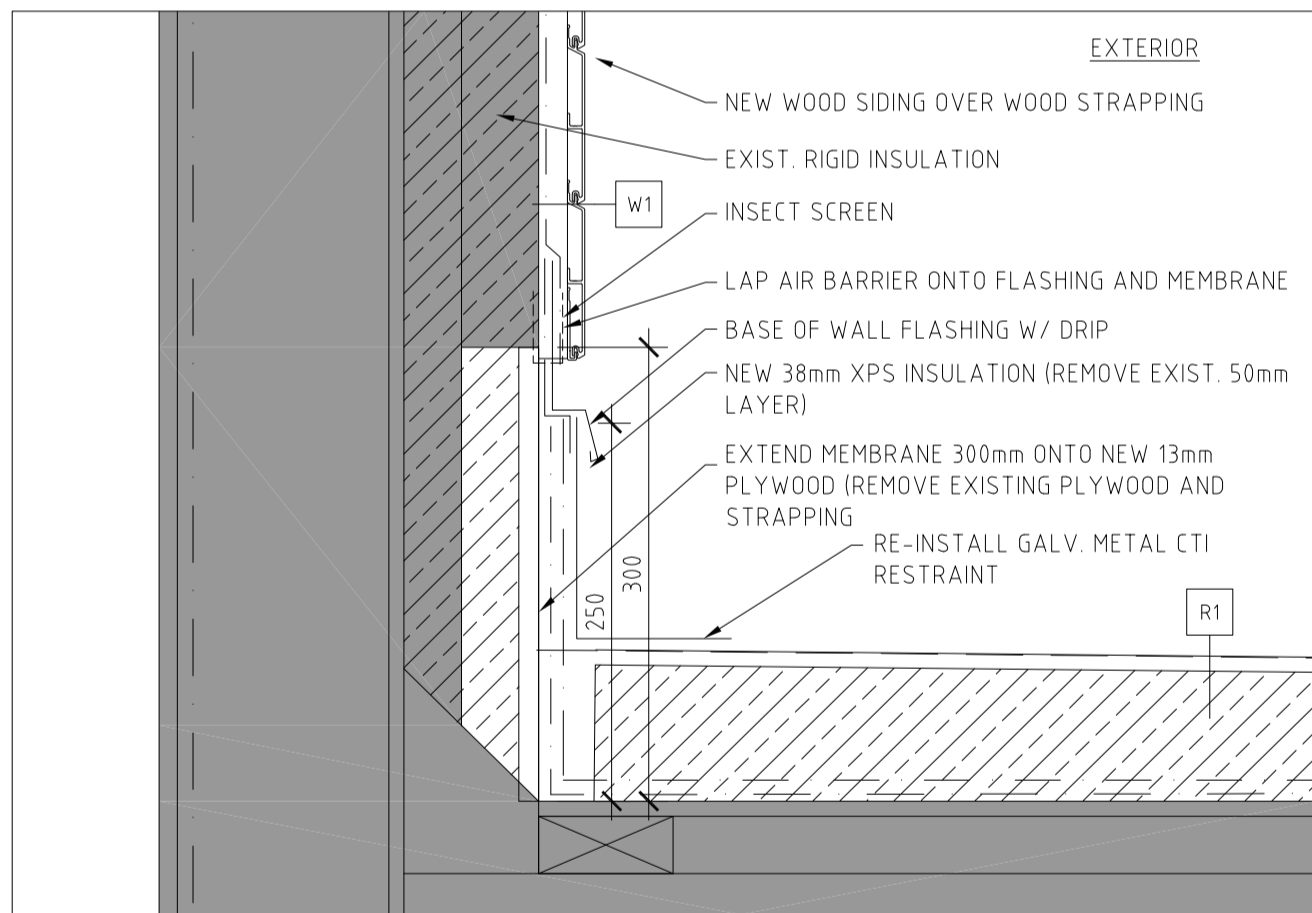
2 PENTHOUSE DOOR  
SCALE 1:10  
A703



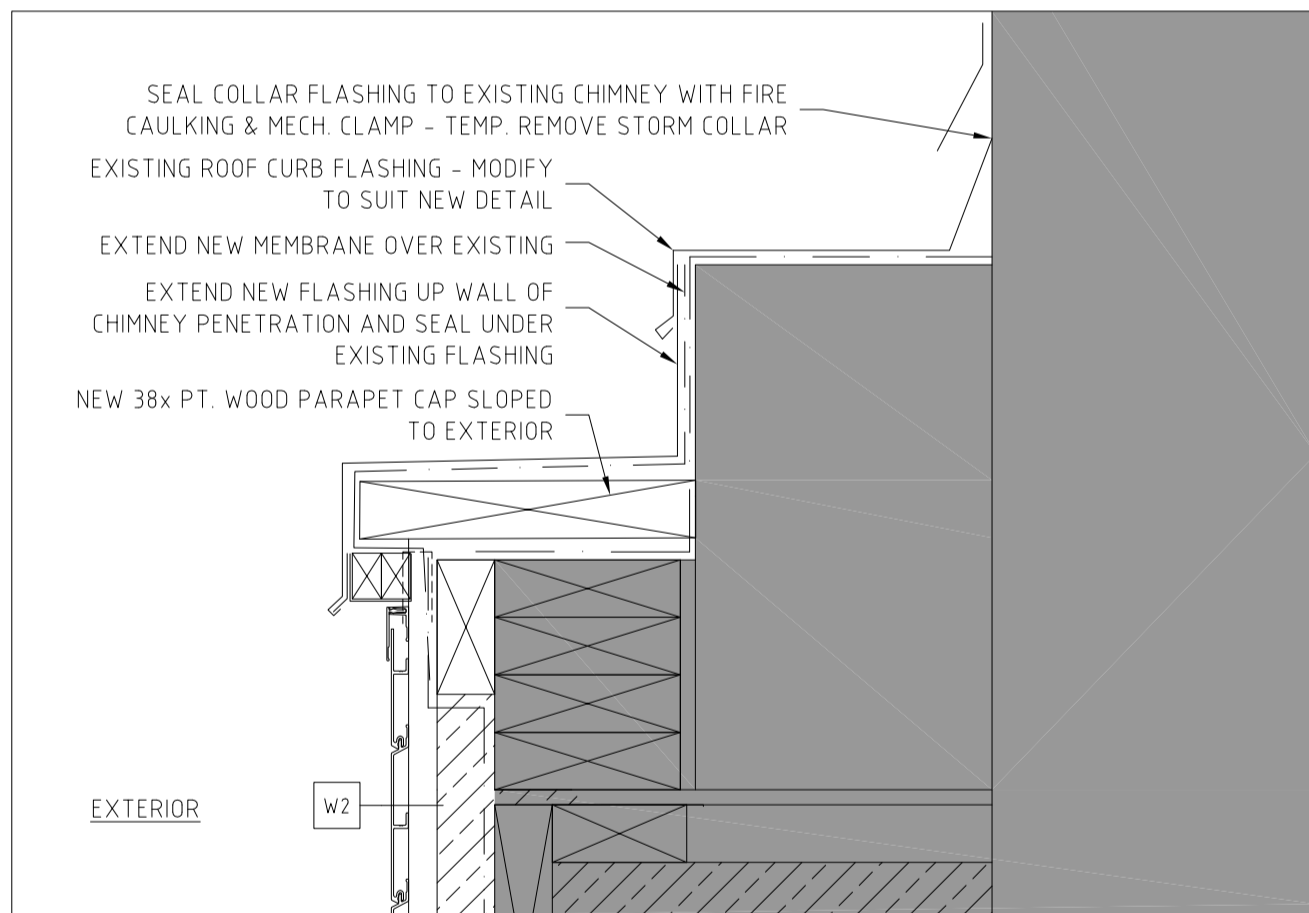
3 CLERESTORY WINDOW  
SCALE 1:10  
A703



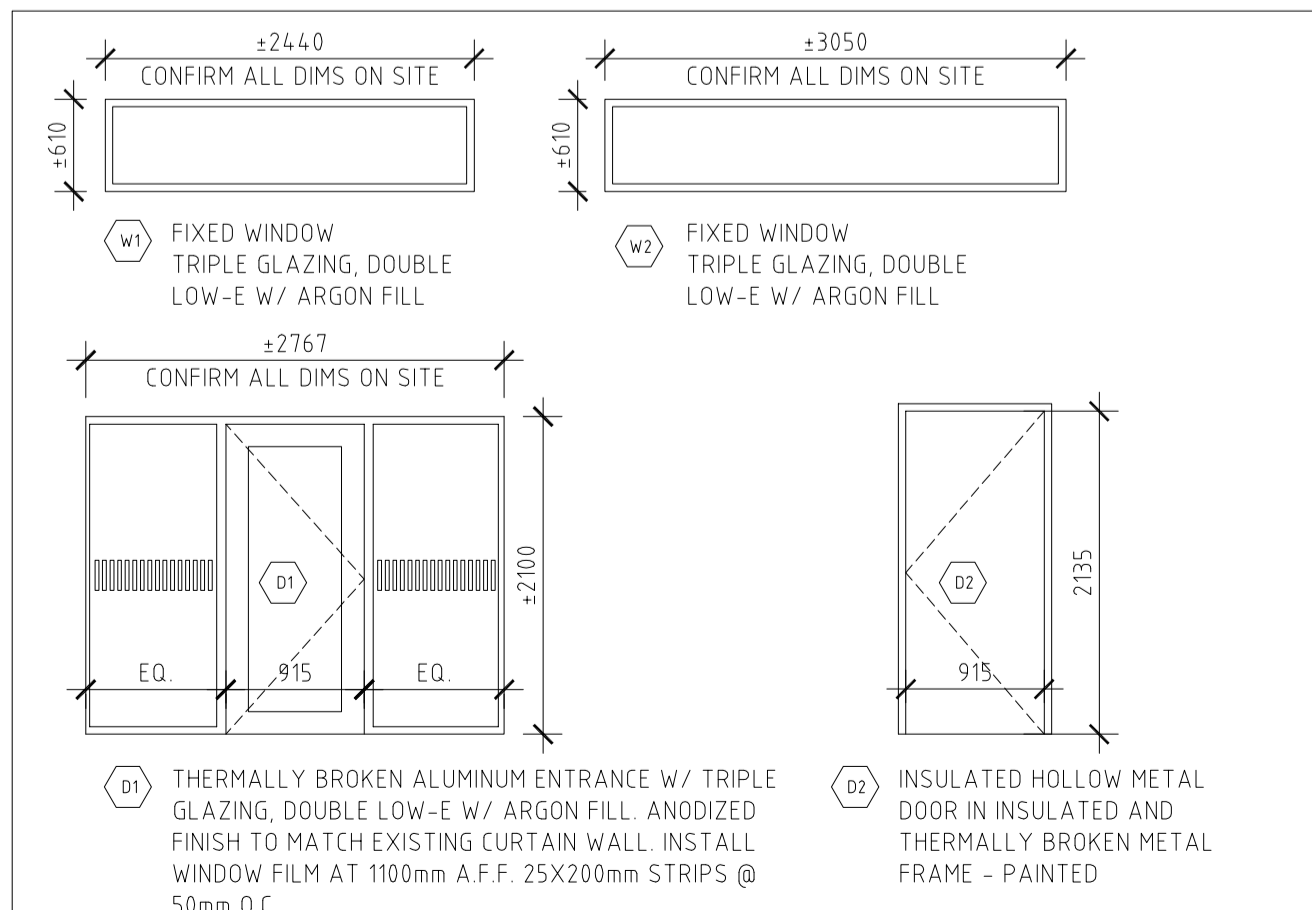
4 ENTRY OVERHANG  
SCALE 1:10  
A703



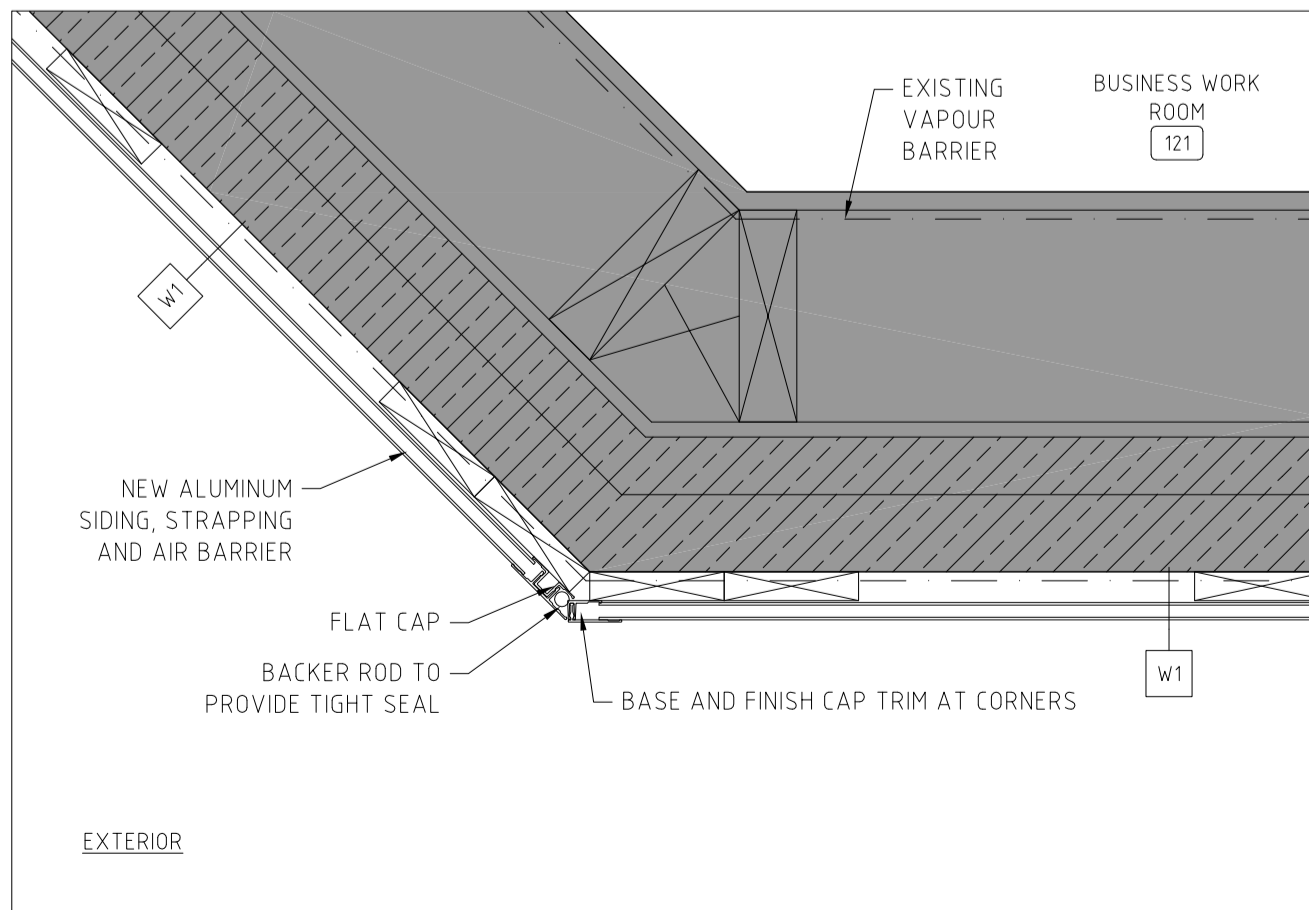
5 WALL SECTION DETAIL  
SCALE 1:10  
A703



6 MECH. CURB DETAIL  
SCALE 1:50  
A703



7 DOOR & WINDOW SCHEDULE  
SCALE 1:50  
A703



8 PLAN DETAIL AT CORNER  
SCALE 1:5  
A703

| LEGEND |                             |
|--------|-----------------------------|
|        | EXISTING BUILDING TO REMAIN |
|        | CONCRETE                    |
|        | RIGID INSULATION BOARD      |
|        | SECTION OF GLULAM BEAM      |
|        | NEW GRANULAR MATERIAL       |
|        | NATURAL SOIL, NOT DISTURBED |
|        | DEMOLITION                  |

|     |          |                        |                         |                      |
|-----|----------|------------------------|-------------------------|----------------------|
| 5   | 18/06/07 | Issued for Tender      | RM                      | AZ                   |
| 4   | 18/04/21 | Issued for 100% Review | RM                      | JK                   |
| No. | Date     | Description            | Drawn by<br>Dessiné par | Approved<br>Approuvé |

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

|  |                                    |
|--|------------------------------------|
| Consultant's Name<br>Nom de l'expert-conseil   | Eng. Stamp<br>Sceau de l'ingénieur |
| <b>kobayashi+zedda</b>   |                                    |
| Phone 867 633 6874   Fax 867 633 4602   info@kza.yk.ca<br>26 - 1114 Front Street Whitehorse, YT, Y1A 1A3, CANADA |                                    |

|  |  |              |
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|  | Parks Canada   | Parcs Canada |
| Asset Management<br>Western and Northern<br>Region | Gestion des biens<br>Région de l'Ouest et du<br>Nord |              |

Canada

Project title/Titre du projet  
**KLUANE NATIONAL PARK HEADQUARTERS**  
**BUILDING SIDING & ROOFING**  
**REPLACEMENT**

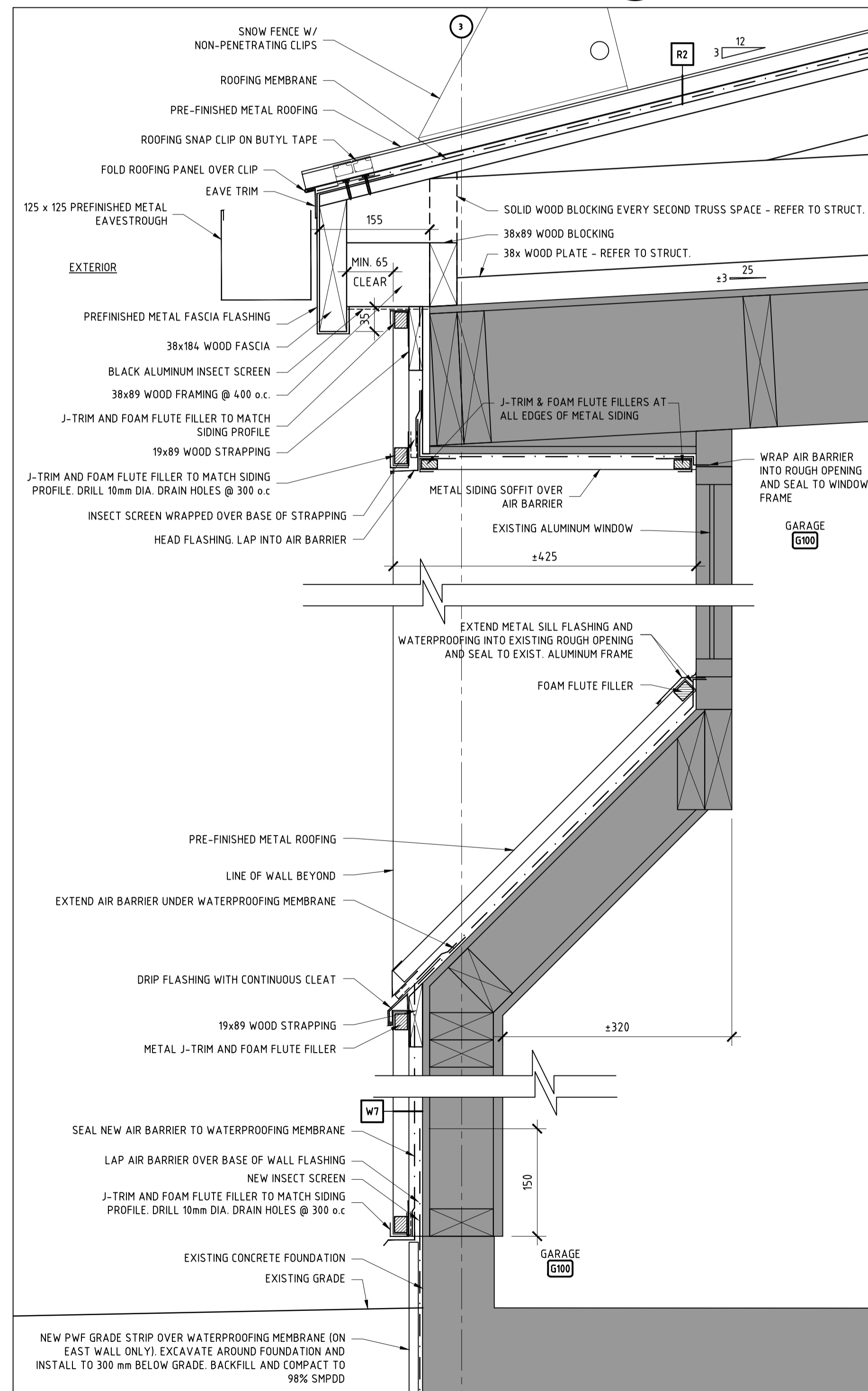
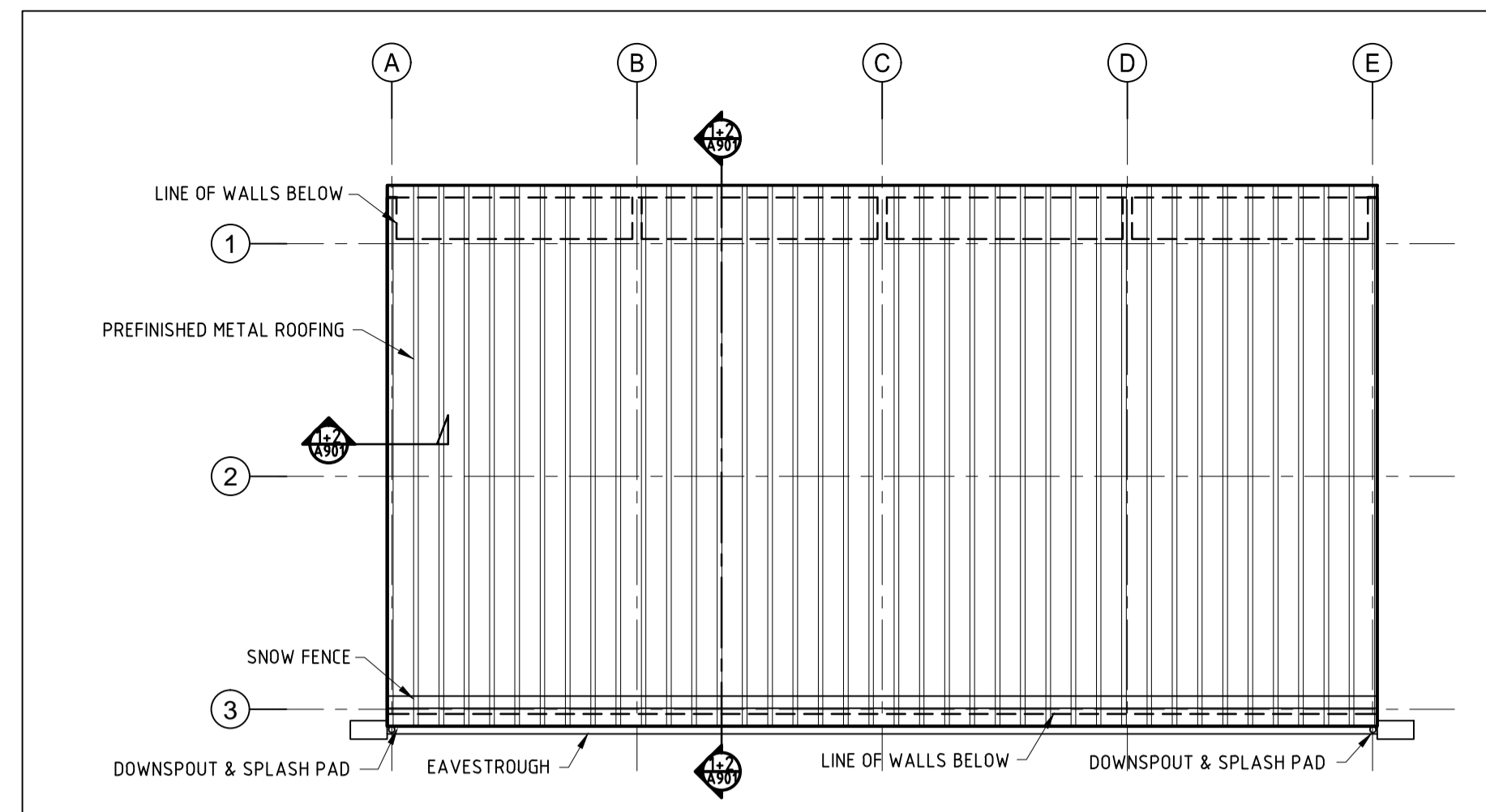
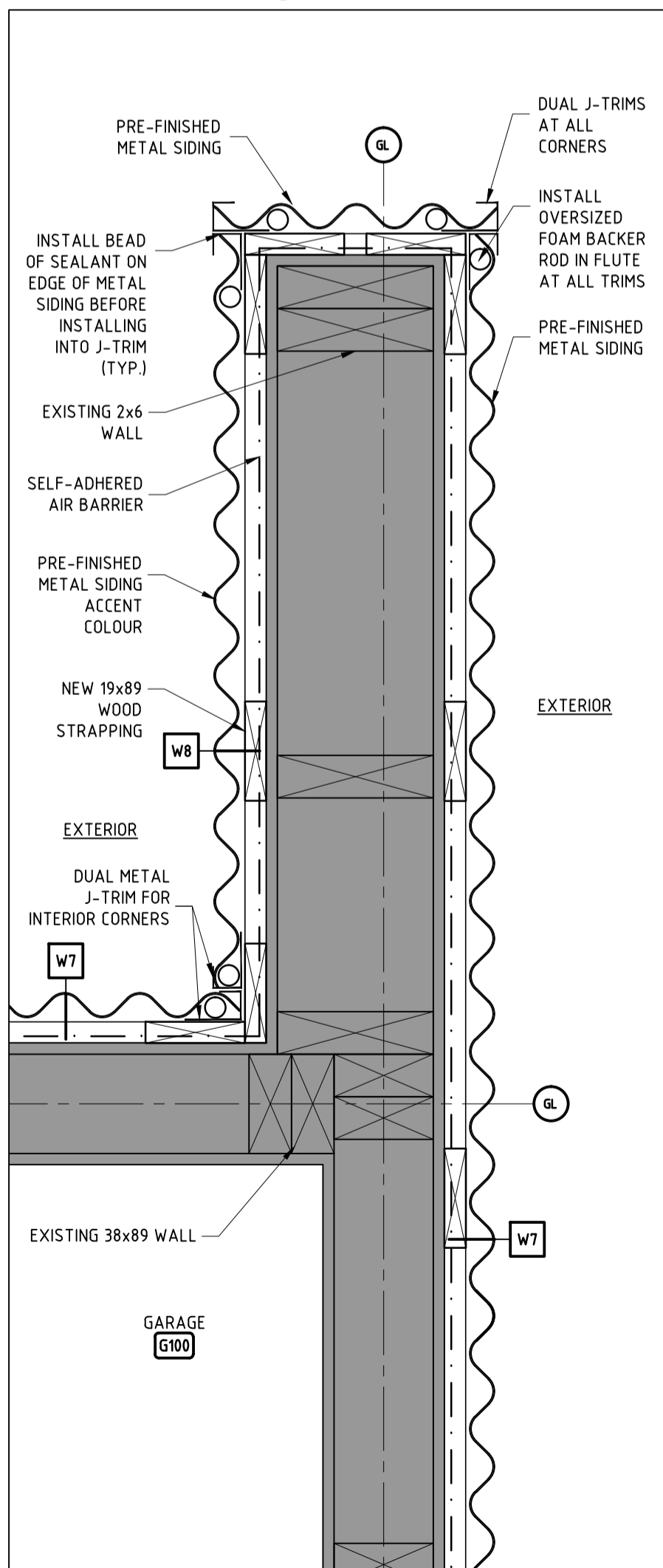
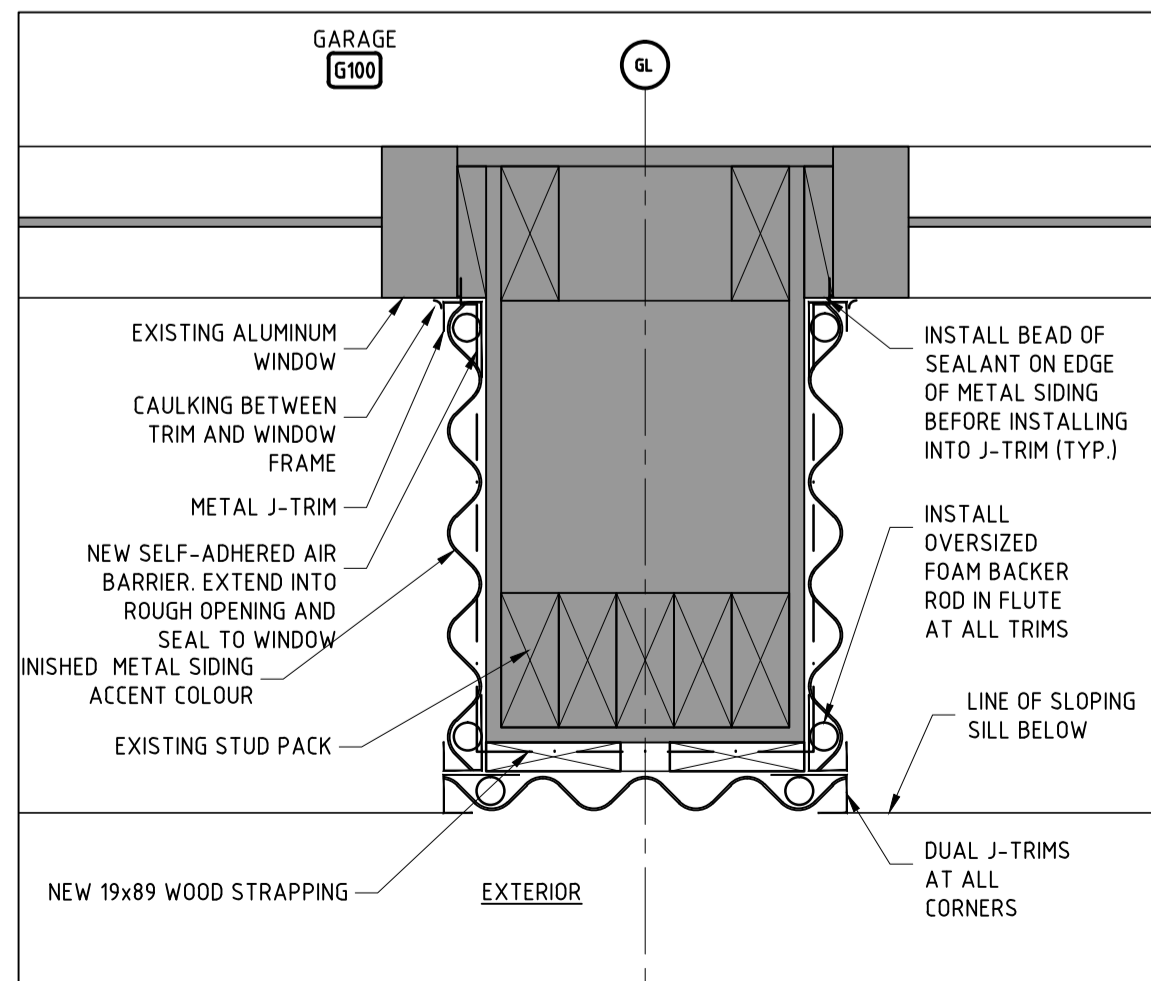
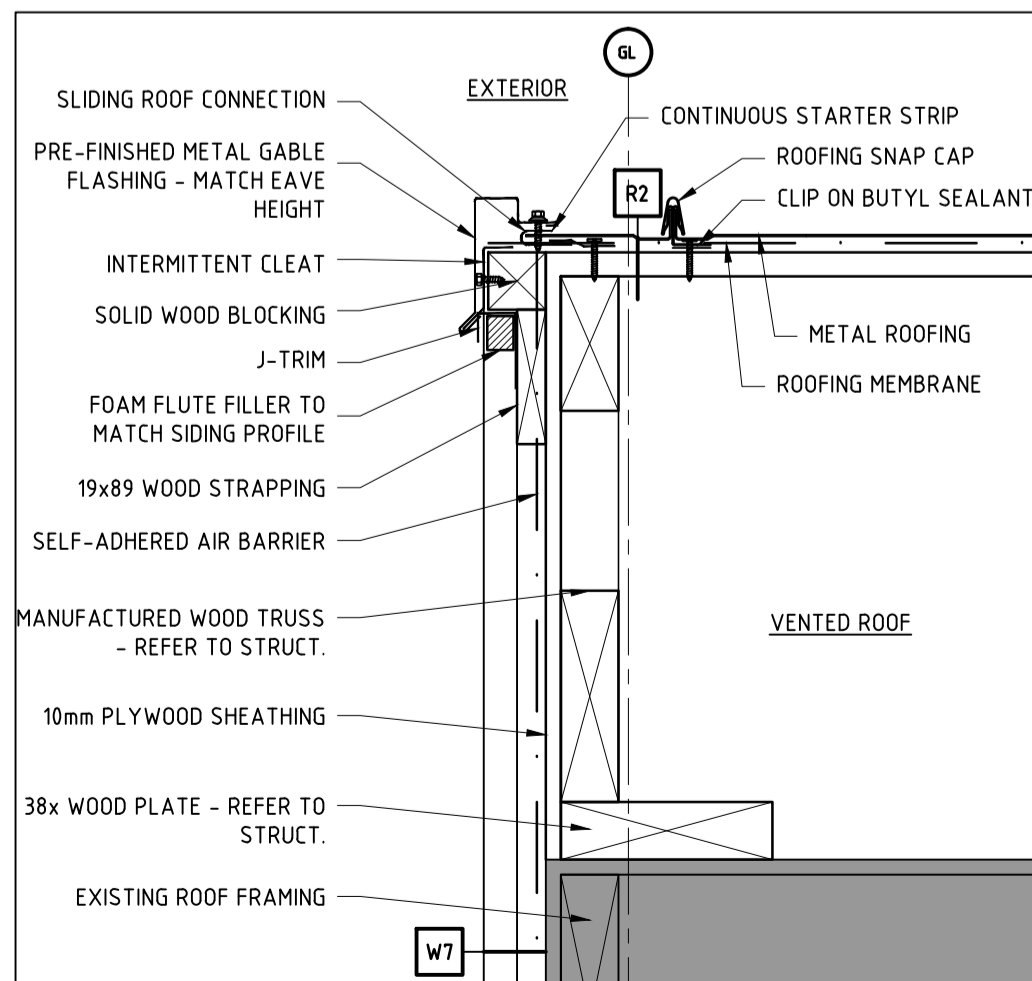
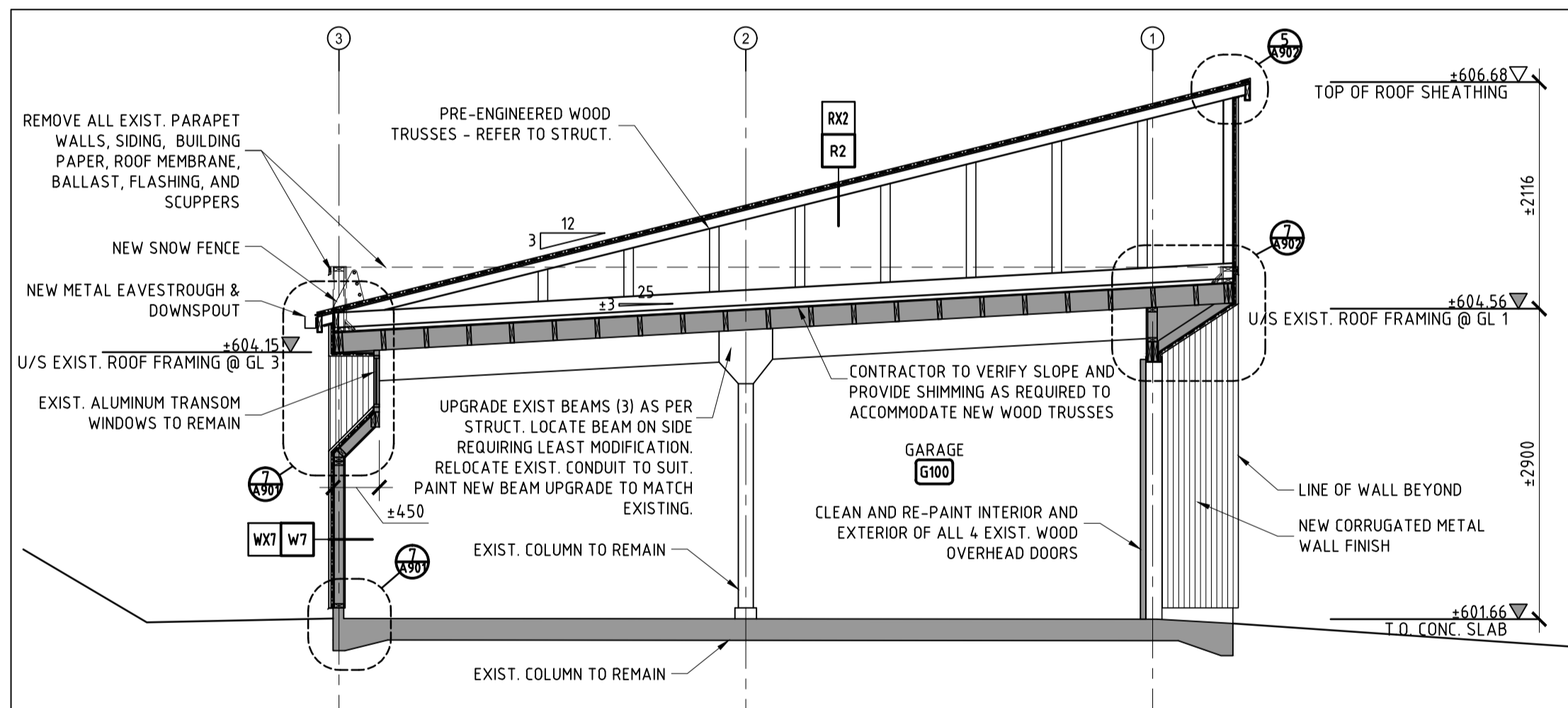
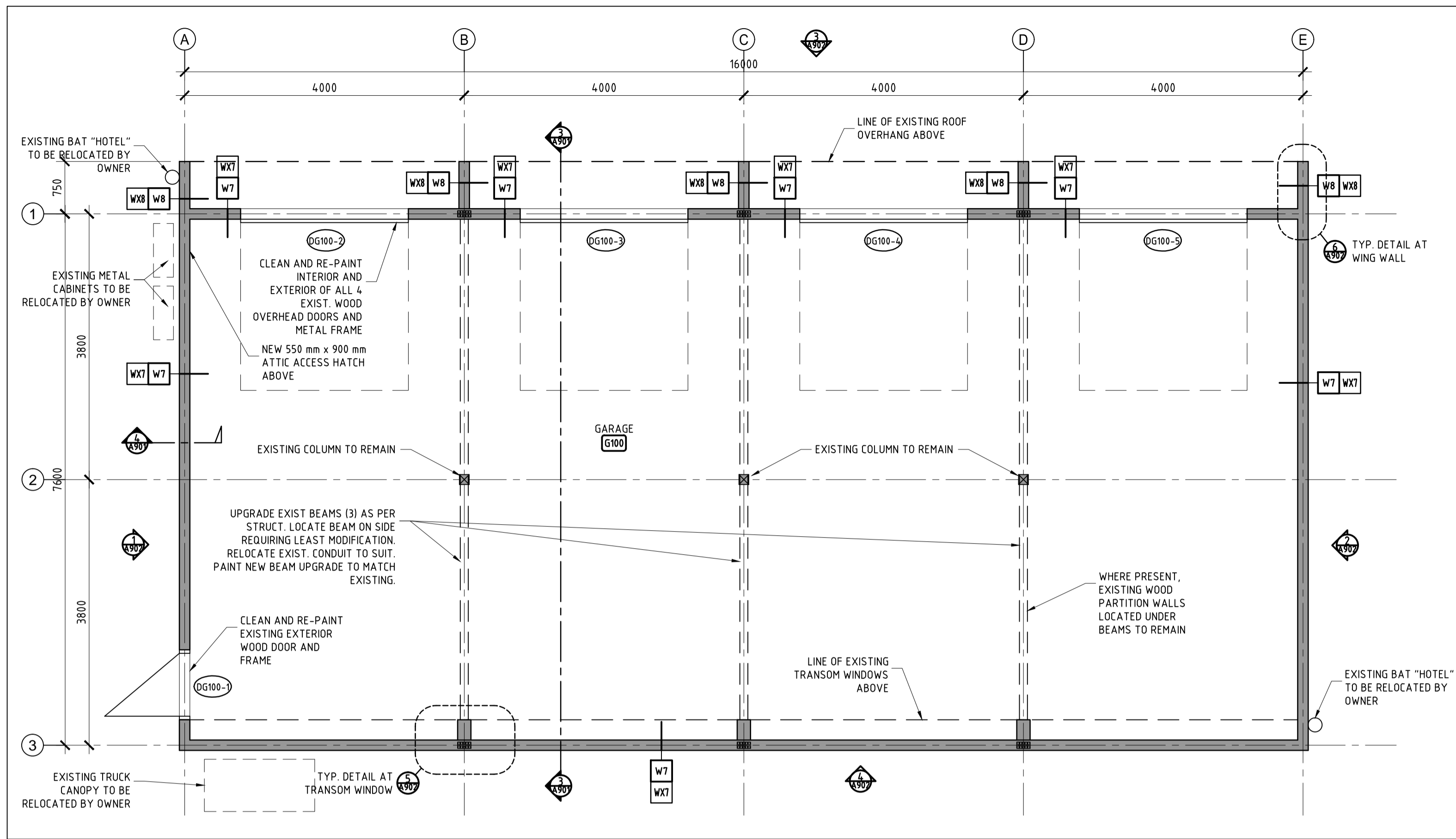
Drawing title/Titre du dessin  
**DETAILS,**  
**DOOR & WINDOW SCHEDULE**

|   |                        |                          |
|---|------------------------|--------------------------|
| Surveyed by/Arpenté par                 | Drawn by/Dessiné par   | Date                     |
| RM                                      | JK                     | 2017/09/05               |
| Designed by/Concept par                 | Reviewed by/Revisé par | Scale/Echelle            |
| RM                                      | JK                     | AS SHOWN                 |
| Client Acceptance/Acceptation du client |                        | Approved by/Approuvé par |

|   |                      |                                |
|---|----------------------|--------------------------------|
| Project No./N° du projet                        | Asset No./N° du bien | Sheet No./<br>N° de la feuille |
| 1741  |                      | A703                           |
| Drawing Reference No./N° de référence du dessin |                      |                                |
| 1741-700.dwg                                    |                      |                                |



|   |                              |                                |
|---|------------------------------|--------------------------------|
| Surveyed by/Arpenté par   | Drawn by/Dessiné par<br>RM   | Date<br>2017/09/05             |
| Designed by/Concept par<br>RM                                   | Reviewed by/Revisé par<br>JK | Scale/Echelle<br>AS SHOWN      |
| Client Acceptance/Acceptation du client                         |                              | Approved by/Approuvé par       |
| Date  |                              | Date                           |
| Project No./N° du projet<br>1741                                | Asset No./N° du bien         | Sheet No./<br>N° de la feuille |
| Drawing Reference No./N° de référence du dessin<br>1741-700.dwg |                              | A704                           |



### GENERAL NOTES

- GRID LINES ARE TO CENTERLINE OF STUDS.
- GRIDLINES AND AS-BUILT INFORMATION ARE BASED UPON AS-BUILT DRAWINGS FROM ORIGINAL CONSTRUCTION. FIELD VERIFY ALL DIMENSIONS.
- CONTRACTOR TO PATCH AND MAKE GOOD ALL EXTERIOR AND INTERIOR FINISHES AFFECTED BY THE WORK OF THIS PROJECT.
- ALL EXTERIOR WALLS ARE ASSEMBLY W7/WX7 UNLESS NOTED OTHERWISE

### LEGEND

- EXISTING BUILDING TO REMAIN
- METAL ROOFING
- GRID LINE
- DEMOLITION
- BULKHEAD/BEAM ABOVE
- BUILDING OUTLINE
- EXISTING DOOR TO REMAIN
- DOWNSPOUT

PROJECT NORTH

| No. | Date     | Description            | Drawn by<br>Dessiné par | Approved<br>Approuvé |
|-----|----------|------------------------|-------------------------|----------------------|
| 5   | 18/06/07 | Issued for Tender      | RM                      | AZ                   |
| 4   | 18/04/21 | Issued for 100% Review | RM                      | AZ                   |

Revision / Révision

| Detail number<br>Sheet number | A Numéro de détail<br>B Numéro de la feuille |
|-------------------------------|--|
| A<br>B                        |  |

Linear dimensions  
in millimètres

Dimensions linéaires  
en millimètres

Consultant's Name  
Nom de l'expert-conseil

Eng. Stamp  
Sceau de l'ingénieur

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**Parks Canada**  
Parcs Canada

Asset Management  
Western and Northern  
Region

Gestion des biens  
Région de l'Ouest et du  
Nord

**Canada**

Project title/Titre du projet

**KLUANE NATIONAL PARK HEADQUARTERS**

**BUILDING SIDING & ROOFING**

**REPLACEMENT**

Drawing title/Titre du dessin

**GARAGE PLANS, SECTION, AND DETAILS**

| Surveyed by/Arpenté par | Drawn by/Dessiné par | Date       |
|-------------------------|----------------------|------------|
|                         | PG                   | 2018-03-01 |

| Designed by/Concept par | Reviewed by/Révisé par | Scale/Echelle |
|-------------------------|------------------------|---------------|
| RM                      | JK                     | AS SHOWN      |

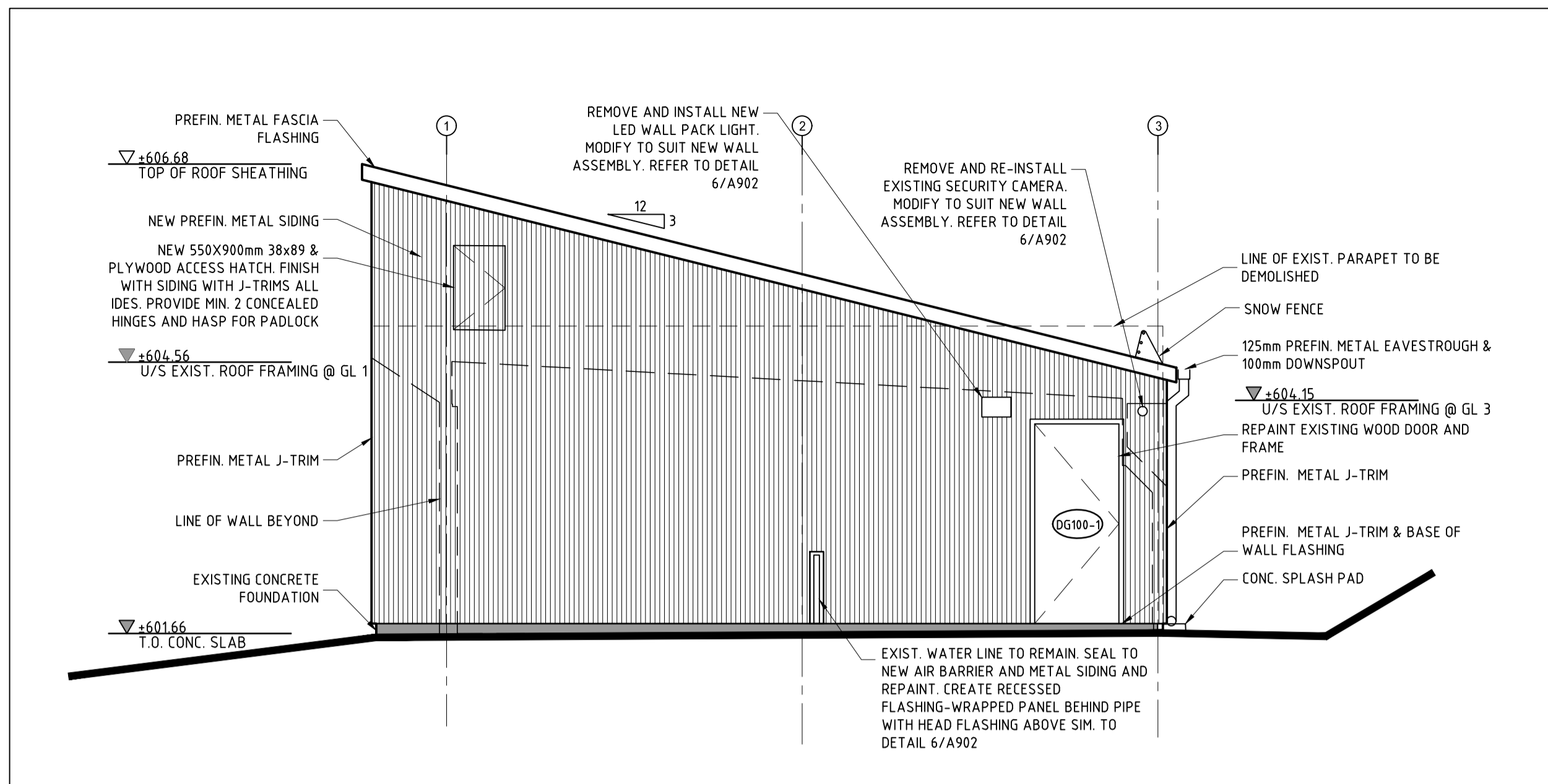
Client Acceptance/Acceptation du client

Approved by/Approuvé par

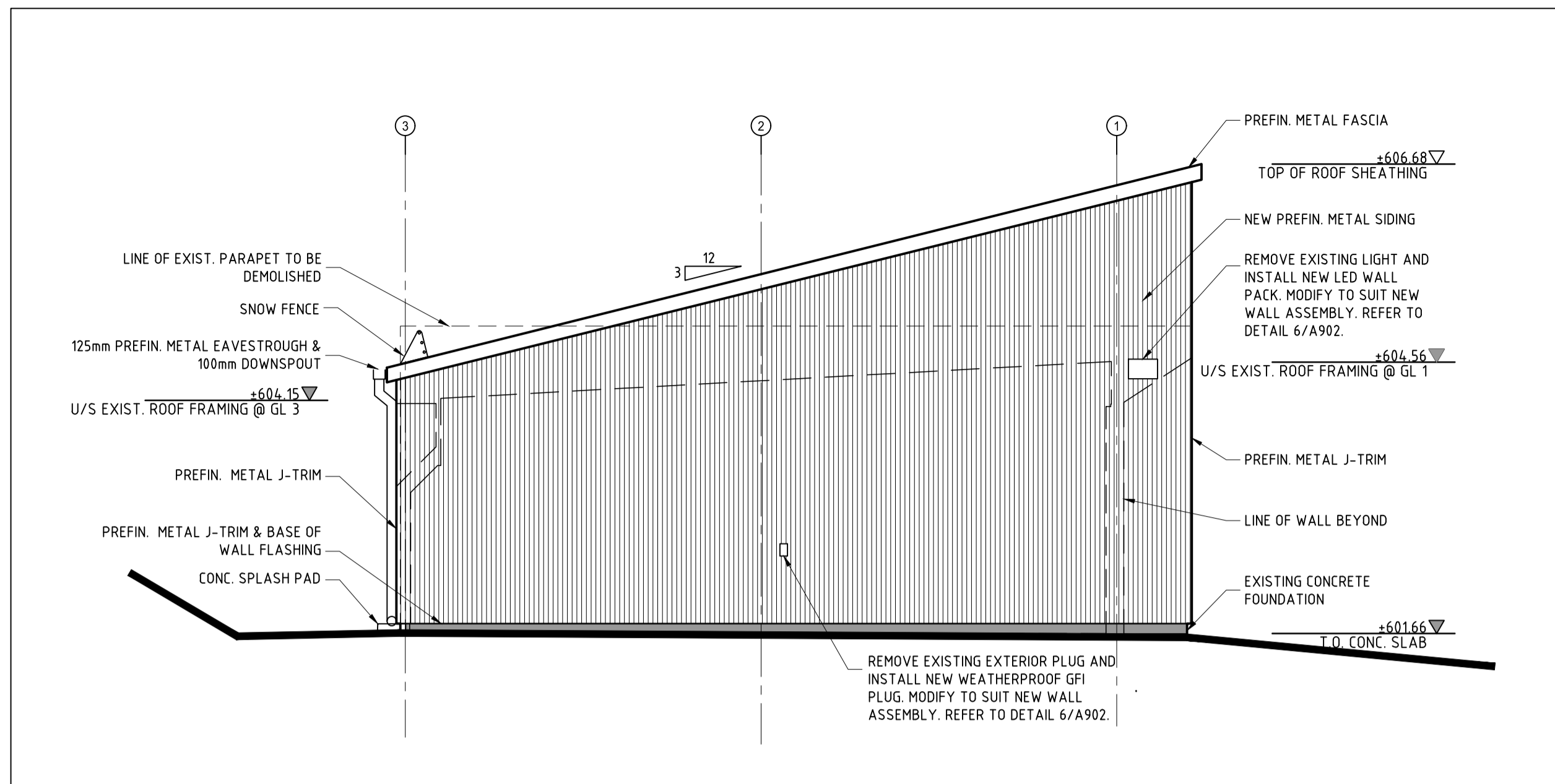
| Project No./N° du projet | Asset No./N° du bien | Sheet No./N° de la feuille |
|--------------------------|----------------------|----------------------------|
| 1741                     |                      | <b>A901</b>                |

Drawing Reference No./N° de référence du dessin

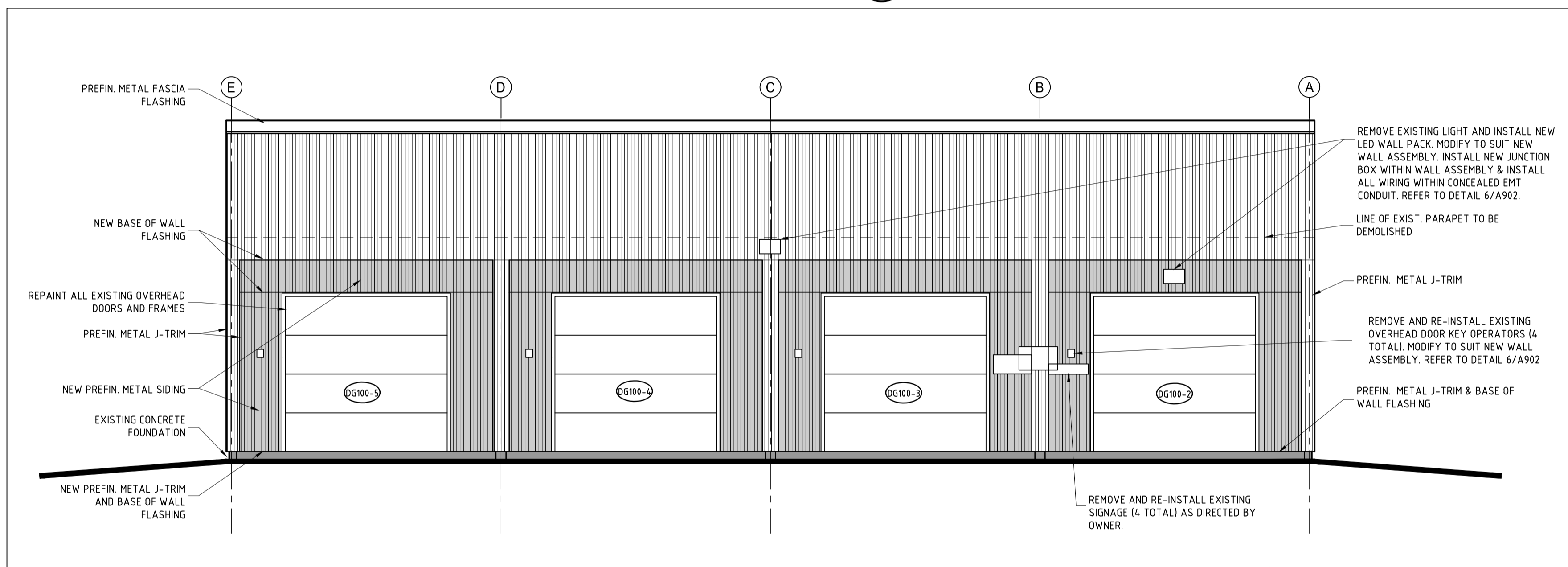
1741-200G.dwg



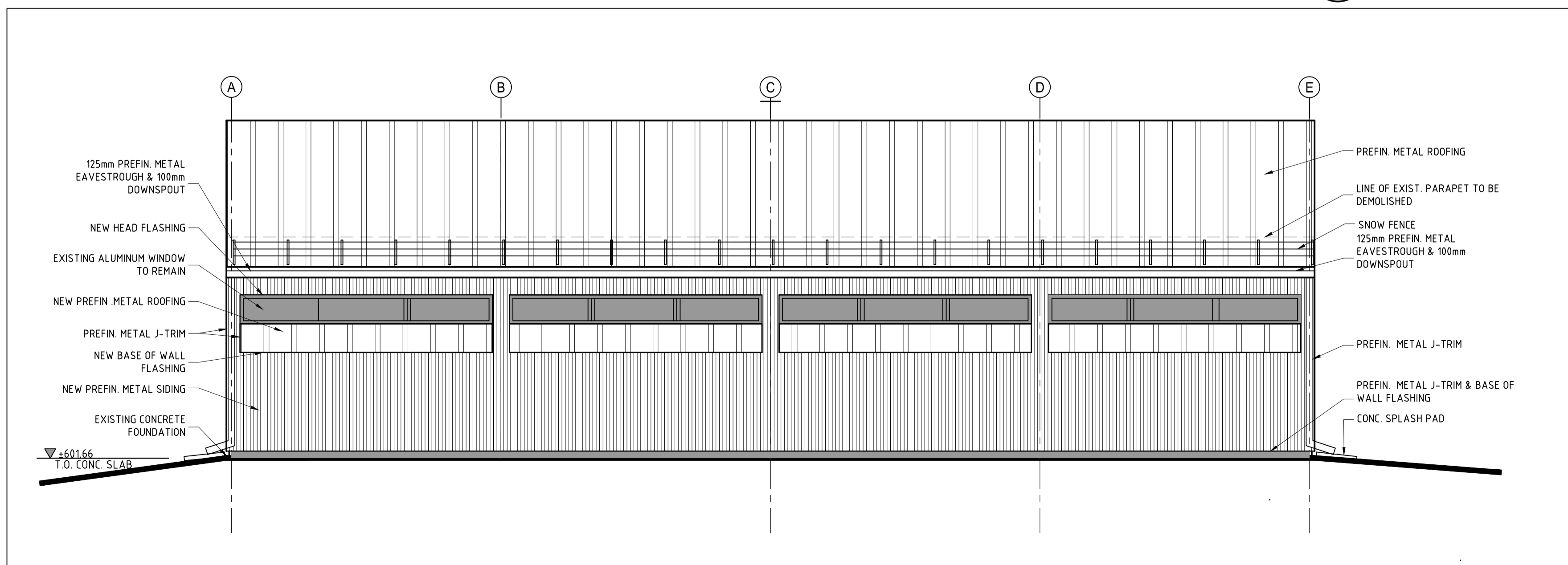
1 SOUTH ELEVATION  
SCALE 1/50



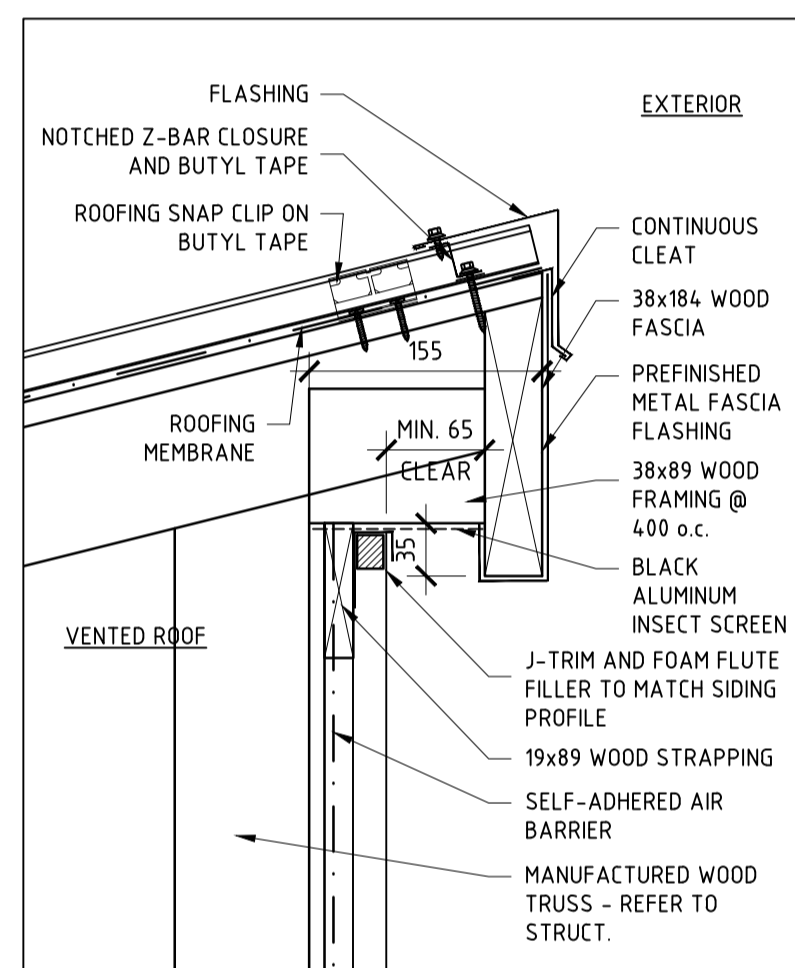
2 NORTH ELEVATION  
SCALE 1/50



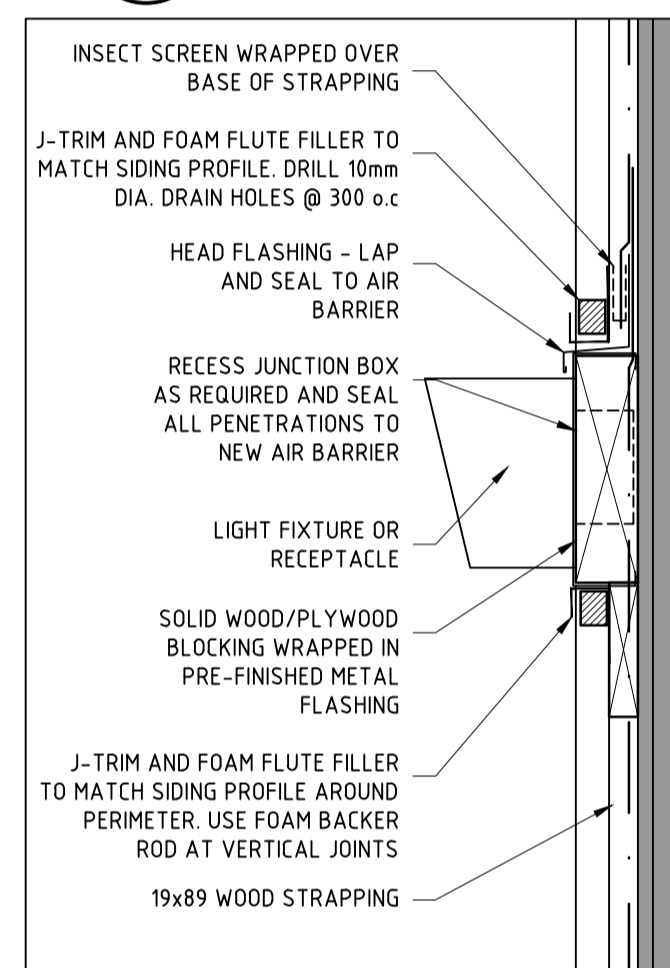
3 WEST ELEVATION  
SCALE 1/50



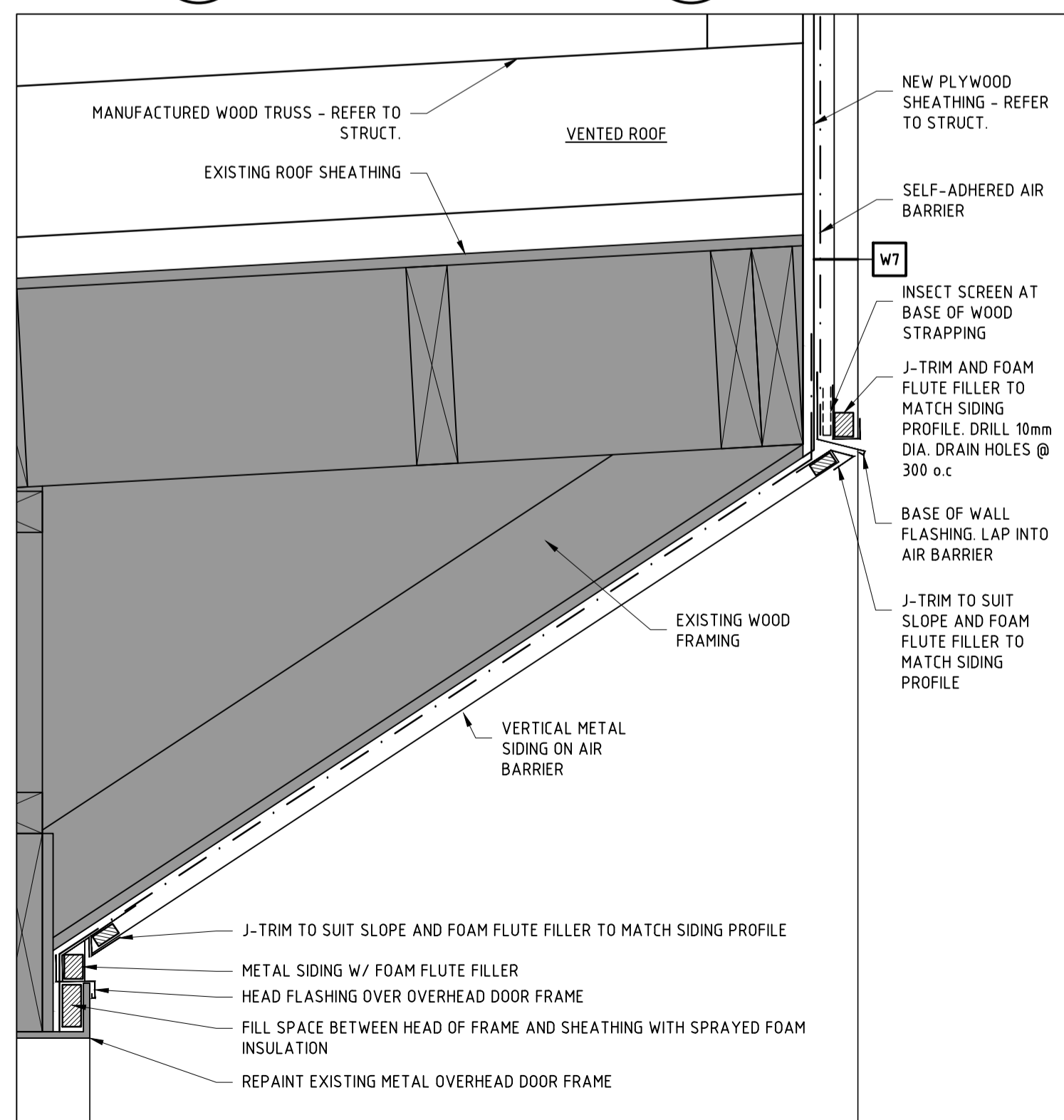
4 EAST ELEVATION  
SCALE 1/50



5 SECTION DETAIL  
SCALE 1/5



6 TYP. PENETRATION DETAIL  
SCALE 1/5



7 SECTION DETAIL  
SCALE 1/5

**LEGEND**

- EXISTING BUILDING TO REMAIN
- EXTERIOR FINISH TYPE 1: PREFINISHED METAL SIDING
- EXTERIOR FINISH TYPE 2: PREFINISHED METAL SIDING - ACCENT
- DEMOLITION
- WALL / FLOOR / CEILING / FOUNDATION OUTLINE
- PROPOSED LEVEL
- EXISTING LEVEL

NEW LED WALL PACKS TO HAVE THE FOLLOWING SPECIFICATIONS:

- MIN. 35 WATTS
- FULL CUT-OFF
- 3000K
- COLOR: BRONZE
- PHOTOCELL CONTROL
- STANDARD OF ACCEPTANCE: RC LIGHTING SLIM WALLPACK

| 02  | 2018/06/07 | Issued for Tender      | RM                      | AZ                   |
|-----|------------|------------------------|-------------------------|----------------------|
| 01  | 18/04/21   | Issued for 100% Review | RM                      | AZ                   |
| No. | Date       | Description            | Drawn by<br>Dessiné par | Approved<br>Approuvé |

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: **kobayashi+zedda**

Eng. Stamp / Sceau de l'ingénieur

Phone 867 633 6874 | Fax 867 633 4602 | info@kza.yk.ca  
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**Parks Canada / Parcs Canada**

Asset Management / Gestion des biens  
Western and Northern Region / Région de l'Ouest et du Nord

**Canada**

**KLUANE NATIONAL PARK HEADQUARTERS**

**BUILDING SIDING & ROOFING REPLACEMENT**

**GARAGE ELEVATIONS & DETAILS**

|   |                          |                            |
|---|--------------------------|----------------------------|
| Surveyed by/Arpenté par                         | Drawn by/Dessiné par     | Date                       |
| RM  | PG                       | 2018-03-01                 |
| Designed by/Concept par                         | Reviewed by/Revisé par   | Scale/Echelle              |
| RM  | JK                       | AS SHOWN                   |
| Client Acceptance/Acceptation du client         | Approved by/Approuvé par |                            |
|   |                          |                            |
| Project No./N° du projet                        | Asset No./N° du bien     | Sheet No./N° de la feuille |
| 1741  |                          | A902                       |
| Drawing Reference No./N° de référence du dessin |                          |                            |
| 1741-200G.dwg                                   |                          |                            |

GENERAL

These drawings show the completed new structure and the scope of work by Ennova Structural Engineers Inc. Read and verify dimensions and information on all consultants' documents, shop drawings and in the field prior to commencing work. Notify the Consultant of any discrepancies for clarification and/or instruction.

The general contractor and subcontractors shall be experienced with constructing the building/structure shown. The general contractor must ensure the subcontractors include the work necessary to complete their respective building component, smooth hand over to subsequent trades, and shall coordinate the subcontractors' work.

Building/structural elements not shown on these drawings, but necessary for the completion of the building, shall be designed and supplied by the general contractor.

The contractor shall provide bracing and shoring for the stability of the excavation and structure during construction. The Contractor is responsible for safety at the job site and adherence to Work Safe regulations.

DESIGN LOADS AND CODES

The structure was designed to the following code references and specified loads. The Contractor shall provide temporary support to the structure where construction activity exceeds the design loads. All building and material codes referenced shall be the latest editions accepted by the authority having jurisdiction.

- National Building Code 2015
- Timber to CSA CAN3-086-14

Specified uniformly distributed loads

| U.N.O. kPa (psf) | Live load, L | Superimposed dead load, D |
|------------------|--------------|---------------------------|
| Roof             | 1.0          | 0.5                       |

Superimposed dead loads include items such as:  
mechanical & electrical fixtures, insulation, roofing, finishes, etc.

Design parameters

|                                      |                   |
|--------------------------------------|-------------------|
| Importance factors ULS, Is, Iw, Ie = | 1.0               |
| Importance factors SLS, Is, Iw, Ie = | 1.0               |
| Wood based shearwalls                | Rd = 3.0 Ro = 1.7 |

CLIMATIC & SEISMIC DATA (HAINES JUNCTION, YUKON)

|                                       |                    |
|---------------------------------------|--------------------|
| Specified uniformly distributed loads |                    |
| Ground snow, Sg, kPa (psf)            | = 2.2 (46)         |
| Rain component, Sr kPa (psf)          | = 0.1 (2)          |
| Roof, S = 0.8 xSg +Sr, kPa (psf)      | = 1.86 (39) PART 4 |

Wind data

|                             |               |
|-----------------------------|---------------|
| Hourly wind pressures (kPa) | q 1/50 = 0.34 |
|-----------------------------|---------------|

Seismic data

|  |                   |
|--|-------------------|
| Site classification, assumed           | "D"               |
| Acceleration-based site coefficient    | Fa = 1.0          |
| Lateral force resisting system factors | Rd = 3.0, Ro=1.7  |
| Importance factor                      | Ie = 1.0          |
| Peak ground acceleration, PGA          | = 0.467           |
| Spectral response acceleration, Sa (T) | Sa (0.2) = 0.973  |
|  | Sa (0.5) = 0.691  |
|  | Sa (1.0) = 0.398  |
|  | Sa (2.0) = 0.193  |
|  | Sa (5.0) = 0.066  |
|  | Sa (10.0) = 0.022 |

FIELD REVIEW

The purpose of field review by Ennova Structural Engineers Inc. is to observe whether the contractors' work is carried out in general conformity with the structural documents. It does not relieve the general contractor from their responsibility of quality control. The contractor remains responsible in ensuring their work conforms to the construction documents and applicable building and materials' codes. The Engineer's field review does not replace any necessary municipal inspections.

The following structural elements require field review by the Engineer prior to concealment:

- General framing review PRIOR to installation of roofing

The contractor shall allow for a minimum of 5 days notice to the engineer for field review. The work must be complete at the time of field review and the contractor shall provide safe access for the engineer. The structural element shall remain clearly exposed. Allow sufficient time for field review and to execute any corrections.

All work shall be complete and thoroughly inspected by the respective sub-contractor and general contractor to ensure its conformity to the construction documents prior to the Engineers' field review.

ABBREVIATIONS

|                             |                                  |
|-----------------------------|----------------------------------|
| ALT = alternate             | MAX = maximum                    |
| BL = bottom lower layer     | Mf = factored moment             |
| BOT = bottom                | MIN = minimum                    |
| BUL = bottom upper layer    | NS = near side                   |
| BU = built up               | N STUD = nelson/shear stud       |
| CANT = cantilever           | NTS = not to scale               |
| CF = factored compression   | O/F = outside face               |
| CONC = concrete             | PSL = Parallax                   |
| CL = centre line            | PL = plate                       |
| CONT = continuous           | P/T = post tension               |
| CSK = countersink           | PT = pressure treated            |
| C/W = complete/connect with | RS = rough sawn                  |
| DL = dead load              | R/W = reinforce with             |
| EA = each                   | SDL = superimposed dead load     |
| EE = each end               | SEL = select grade               |
| EF = each face              | SIM = similar                    |
| ELEV = elevation            | S.O.G. = slab on grade           |
| ES = each side              | S.S. = stainless steel           |
| EW = each way               | STAG = stagger                   |
| EXT = exterior              | TF = factored tension            |
| FDN = foundation            | T&G = tongue & groove            |
| FO = face of                | THK = thick                      |
| FS = far side               | TJ = tie joist                   |
| GALV = hot dipped galvanize | TLL = top lower layer            |
| GL = glulam                 | T.O. = top of                    |
| H1E = hook one end          | TUL = top upper layer            |
| H2E = hook two ends         | TYP = typical                    |
| HDR = header                | T&B = top & bottom               |
| HOR = horizontal            | UDL = uniformly distributed load |
| I/F = inside face           | U.N.O. = unless noted otherwise  |
| INT = interior              | U/S = underside                  |
| KD = kiln dried             | VERT = vertical                  |
| LL = live load              | Vf = factored shear              |
| LSL = Timberstrand          | W/ = with                        |
| LVL = Microlam              | W/O = without                    |

WOOD FRAME

Code references and conformance:

- Wood and framing materials to CSA-086.1
- Dimensional lumber to N.L.G.A. grading rules
- Plywood sheathing to CSA Standard O151
- Anchor bolts to ASTM A307
- Lag screws to CSA Standard B34
- Nails and spikes to CSA Standard B111
- Miscellaneous steel hardware to CAN/CSA 9402 (Fy=300 MPa)

Grades of materials (minimum) are as follows U.N.O.:

| Structural element               | Lumber grade             |
|----------------------------------|--------------------------|
| Joists, rafters & built-up beams | K.D. SPF No. 2 or better |
| Wall plates                      | K.D. SPF No. 2 or better |
| Sheathing                        | K.D. SPF No. 2 or better |

The contractor shall be experienced and follow part 9 of the building code/bylaw for aspects of wood frame construction where applicable.

Support point loads from beams, headers, girder trusses and posts with solid or built-up members across the full area of the supported member. Carry supports down through to concrete foundations. Fully block all joist spaces inline with the supports.

Built-up beams shall be nail laminated with 75 @250 nails in rows spaced not more than 75 apart. Built-up posts shall be fastened with 75 @250 nails in columns spaced not more than 50 apart.

Install all sheathing with face grain perpendicular to the direction of support framing in a staggered joint pattern.

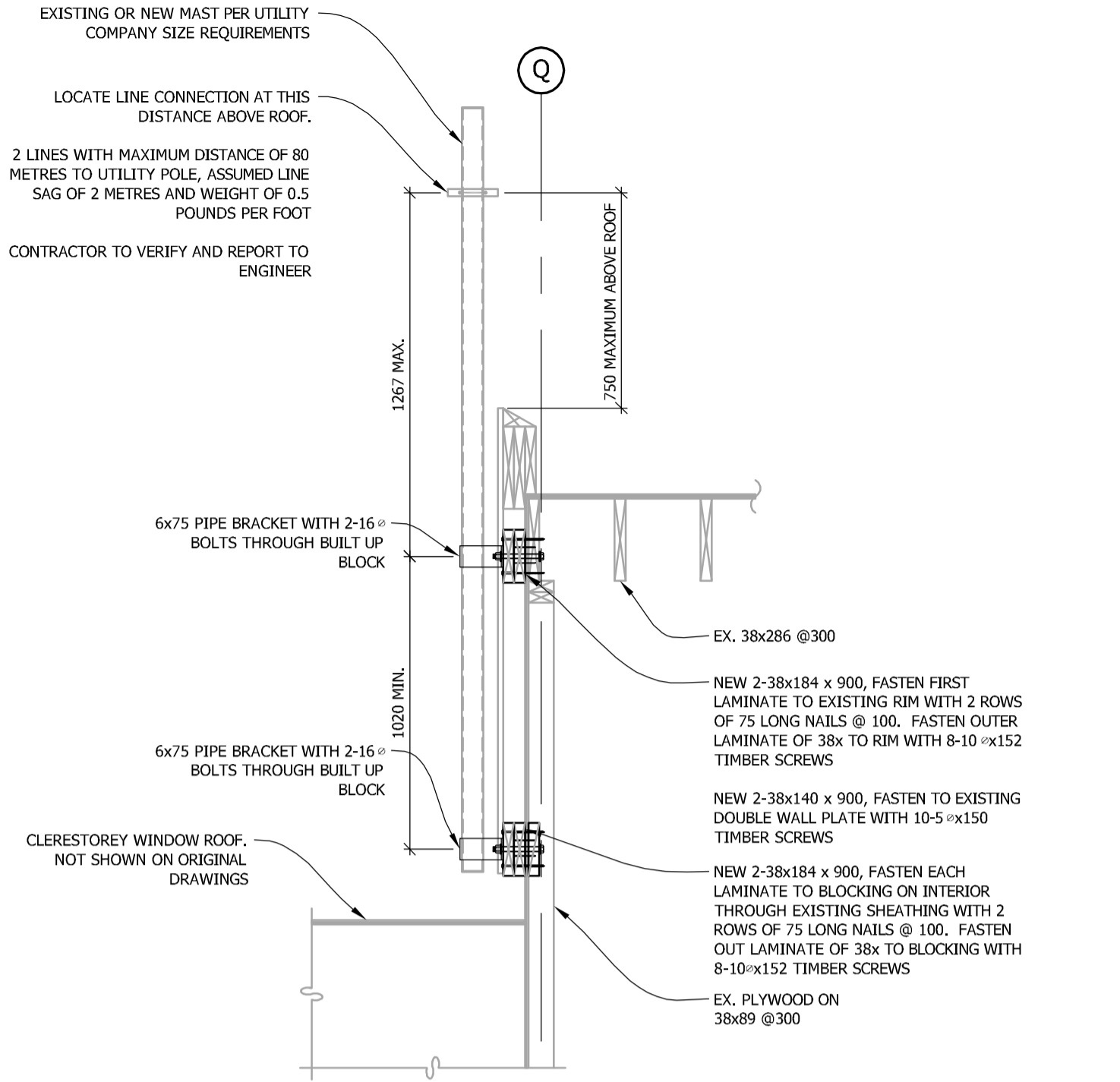
Sheathing for exterior walls and shearwalls shall be minimum 10 thick. Drill adequate holes through exterior walls for ventilation per code. Fasten sheathing to support framing with 65x3.5 @ nails at 150 along panel edges and at 250 along intermediate framing member. Block panel edges with 38x140 flat against sheathing and clinch nails per plans and shearwall schedule.

Sheathing shall be minimum 16 thick tongue and groove for roofs. Fasten sheathing to support framing with 3.5 @x75 common nails at 150 along panel edges and at 250 along intermediate framing member.

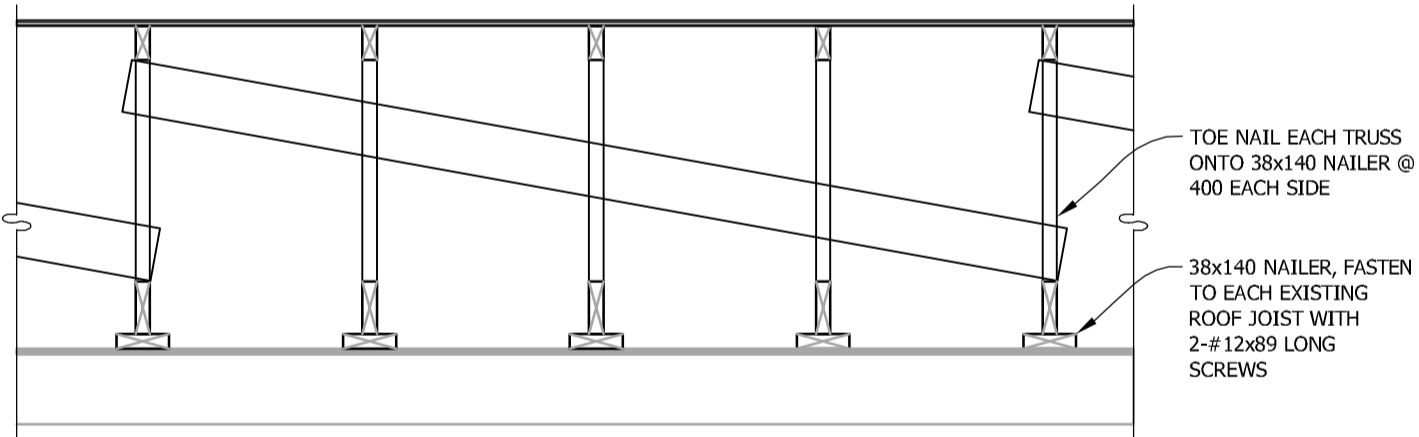
All nail fasteners shall be common round steel wire nails. The use of power driven nails is permitted only if they are of equal diameter and length.

Standard and custom steel hardware exposed to view and weather shall be stainless steel or hot-dipped galvanized.

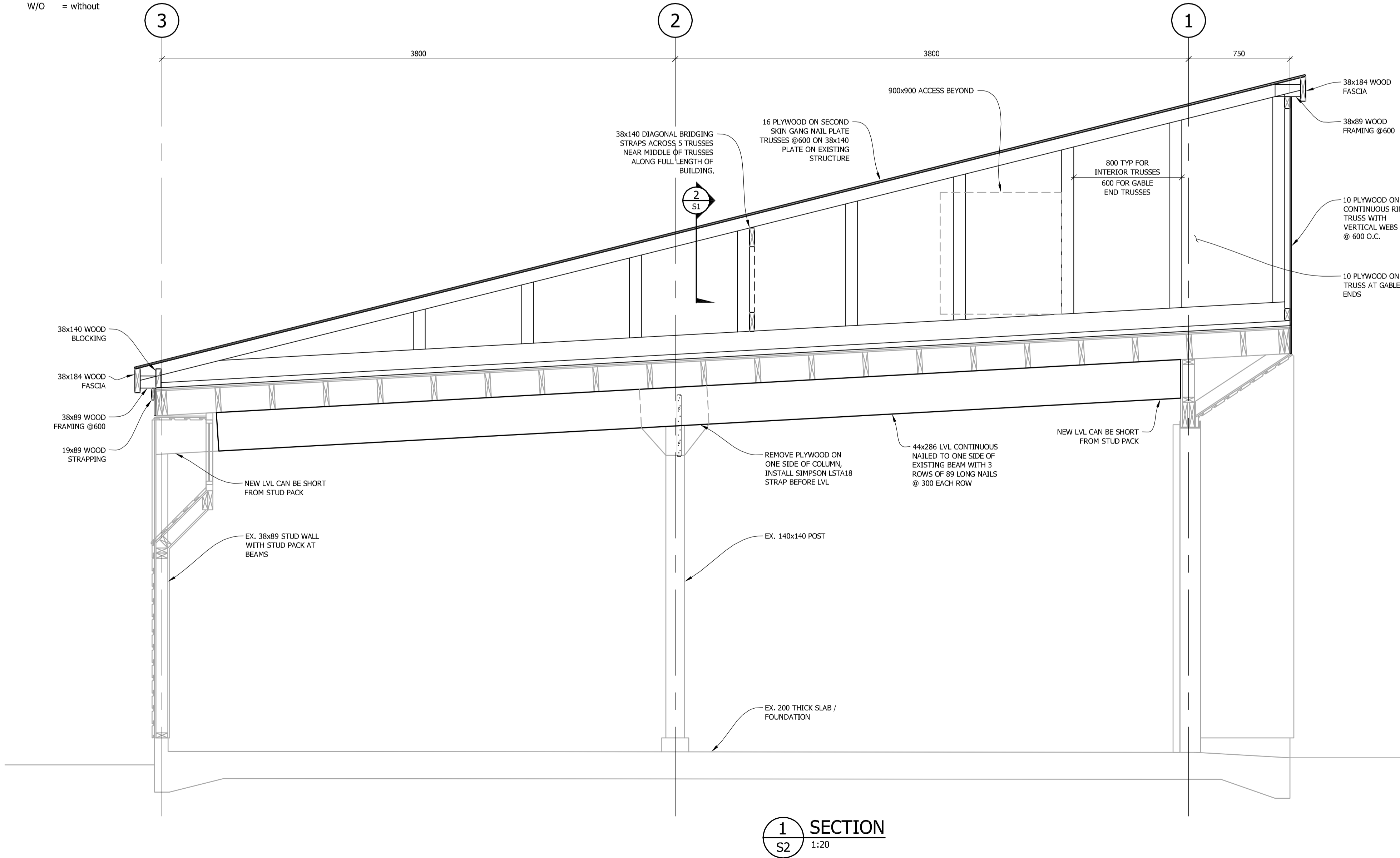
| DRAWING LIST |                          |
|--------------|--------------------------|
| No.          | TITLE                    |
| S1           | GENERAL NOTES            |
|              | SECTIONS AND DETAILS     |
| S2           | GARAGE FOUNDATION PLAN   |
|              | GARAGE ROOF FRAMING PLAN |



3 SECTION  
S2 1:20 REF: SECTION 5 A-14 ORIGINAL DRAWINGS



2 SECTION  
S1 1:20



1 SECTION  
S2 1:20

| -     | -                 | -           |
|-------|-------------------|-------------|
| -     | -                 | -           |
| -     | -                 | -           |
| -     | ISSUED FOR TENDER | 2018 MAY 18 |
| -     | 100% REVIEW       | 2018 APR 25 |
| -     | ISSUED FOR REVIEW | 2018 APR 13 |
| ISSUE | DESCRIPTION       | DATE        |

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CANADA, V5C 6P3

ENNOVA PROJECT NO.: 2018-4164

PROJECT:

**KLUANE PARK GARAGE  
ROOF & ANTENNA  
MAST CONNECTION**

CIVIL ADDRESS:

HAINES JUNCTION, YUKON

SEAL:



MAY 18, 2018

DRAWING TITLE:

**GENERAL NOTES  
SECTIONS & DETAILS**

DATE: 2018 MAR 12

DRAWN BY: CH, CY

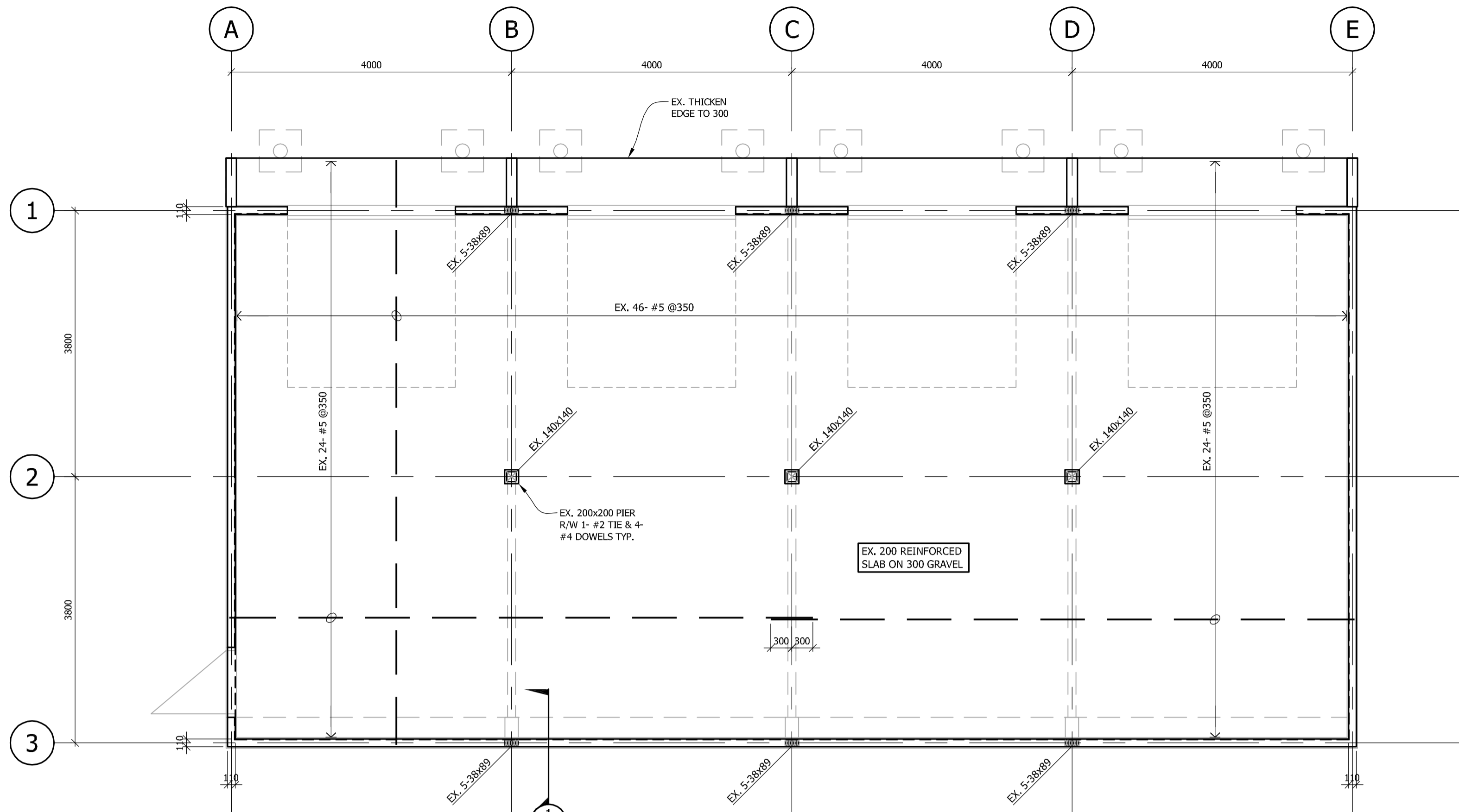
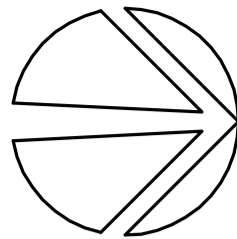
DESIGN BY: CY

DRAWING:

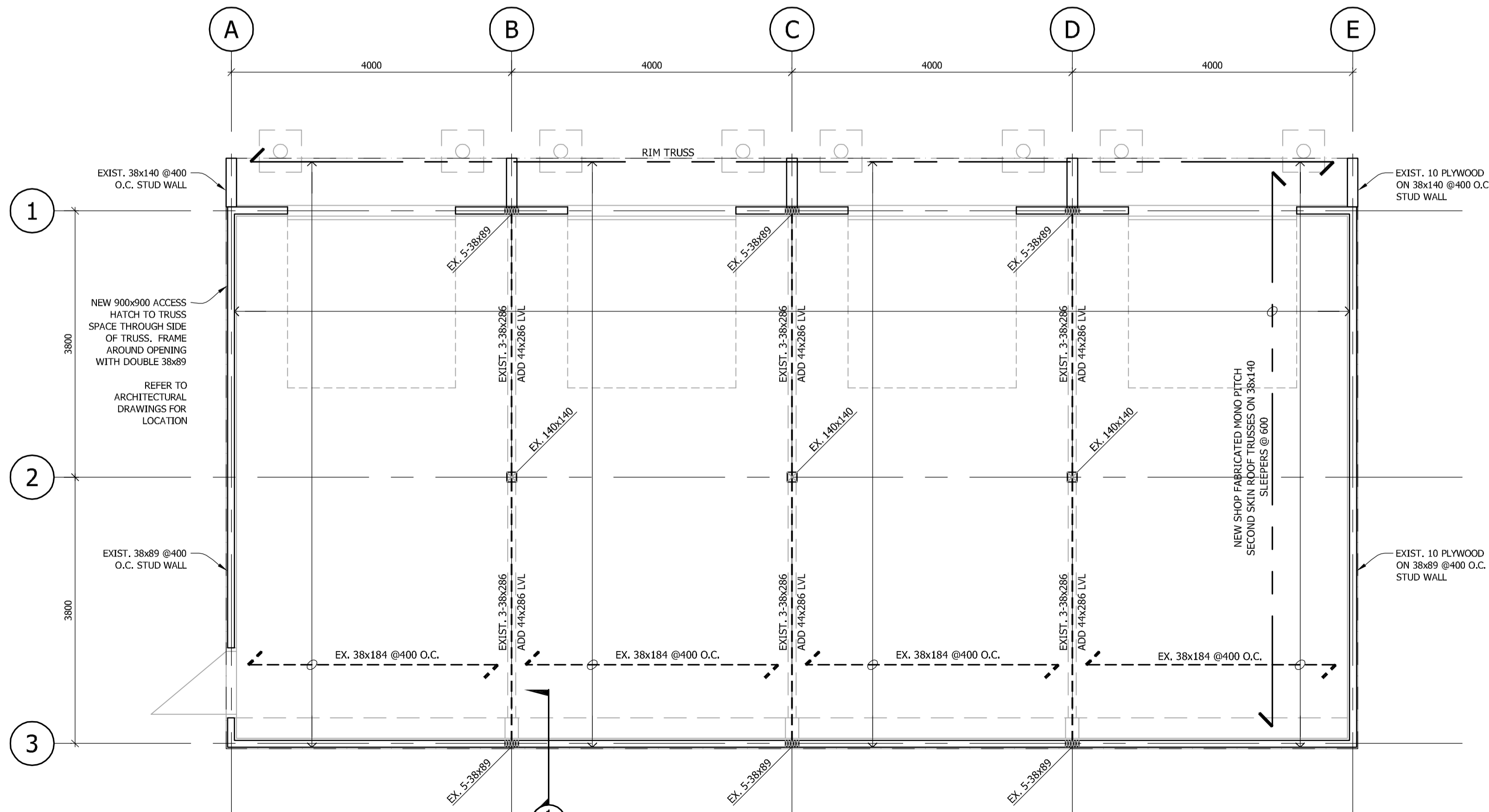
REVISION:

**S1**





**GARAGE FOUNDATION PLAN**  
1:50 (EXISTING STRUCTURE BASED ON ORIGINAL DRAWINGS)



**GARAGE ROOF FRAMING PLAN**  
1:50 (EXISTING FRAMING WITH NEW MEMBERS AS SHOWN)

- RENOVATION NOTES:**
- 1) VERIFY ALL DIMENSIONS SHOWN WITH ARCH DWGS. FIELD VERIFY DIMENSIONS OF EXISTING STRUCTURES.
  - 2) FIELD VERIFY ALL EXISTING STRUCTURE AS NOTED. IF REQUIRED, STRENGTHEN EXISTING STRUCTURE PER PROJECT ENGINEER'S SITE INSTRUCTIONS.
  - 3) LOCATE AND EXPOSE ALL CONCEALED SERVICES PRIOR TO DRILLING, CUTTING AND REMOVAL OF ANY STRUCTURAL ELEMENTS TO PREVENT DAMAGE TO THE SERVICES.
  - 4) SCAN CONCRETE SLABS AND WALLS FOR CONDUITS, RADIANT PIPING AND OTHER SERVICES BEFORE DRILLING AND/OR CUTTING.

**FRAMING LEGEND**

|  |   |
|--|---|
|  | LOAD BEARING WALL                         |
|  | PLYWOOD SHEAR WALL                        |
|  | # BEARING STUDS UNDER BEAM                |
|  | # OF KING STUDS CONTINUOUS TO TOP OF BEAM |
|  | 6x6 POST                                  |
|  | BEAM W/ HANGER, INV= INVERTED             |
|  | CUSTOM STEEL HANGER WITH 1/4\"/>          |
|  | CUSTOM STEEL HANGER WITH 1/4\"/>          |
|  | D, F DROP OR FLUSH BEAM                   |
|  | ROOF RAFTER (SLOPED)                      |
|  | TRUSS ROOF TRUSS                          |
|  | GIRDER ROOF GIRDER TRUSS                  |
|  | -(E)- EXIST. BEAM / HEADER                |
|  | -(E)- EXIST. FLOOR/ROOF JOIST             |
|  | -(E)- EXIST. RAFTER                       |
|  | HD HOLD DOWN BRACKET                      |
|  | ST STEEL STRAP TIE                        |

|       |                   |             |
|-------|-------------------|-------------|
| -     | -                 | -           |
| -     | -                 | -           |
| -     | -                 | -           |
| -     | ISSUED FOR TENDER | 2018 MAY 18 |
| -     | 100% REVIEW       | 2018 APR 25 |
| -     | ISSUED FOR REVIEW | 2018 APR 13 |
| ISSUE | DESCRIPTION       | DATE        |

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ENNOVA PROJECT NO.: **2018-4164**  
PROJECT:  
**KLUANE PARK GARAGE  
ROOF & ANTENNA  
MAST CONNECTION**  
CIVIL ADDRESS:  
HAINES JUNCTION, YUKON

SEAL:

DRAWING TITLE:  
**GARAGE FOUNDATION  
& ROOF FRAMING PLAN**  
DATE: 2018 MAR 12  
DRAWING: S2  
DESIGN BY: CY  
REVISION:  
CENTIMETER  
INCH