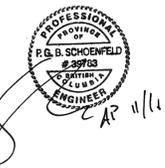




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ISSUED FOR BID	APR 06/16	SNM
ISSUED FOR 100% REVIEW	MAR 24/16	SNM
ISSUED FOR 99% REVIEW	FEB 23/16	SNM
ISSUED FOR PRICING	DEC 11/15	SNM
No.	Revision	Date By

Client/client

**CANADA BORDER SERVICES AGENCY**

Project title/Titre du projet

**OSOYOOS BORDER CROSSING**  
202 - 97TH STREET, OSOYOOS, B.C.

**ROOF REPLACEMENT**  
PWGSC PROJECT NO. : R75896.0001

Consultant Signature Only

Designed by/Concept par  
SNM

Drawn by/Dessiné par  
KJB

Date  
APRIL 06, 2016

PWGSC Project Manager/Administrateur de Projets TPSGC

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC

Drawing title/ Titre du dessin

**LOWER ROOF PLAN**

Project No. / No. du projet

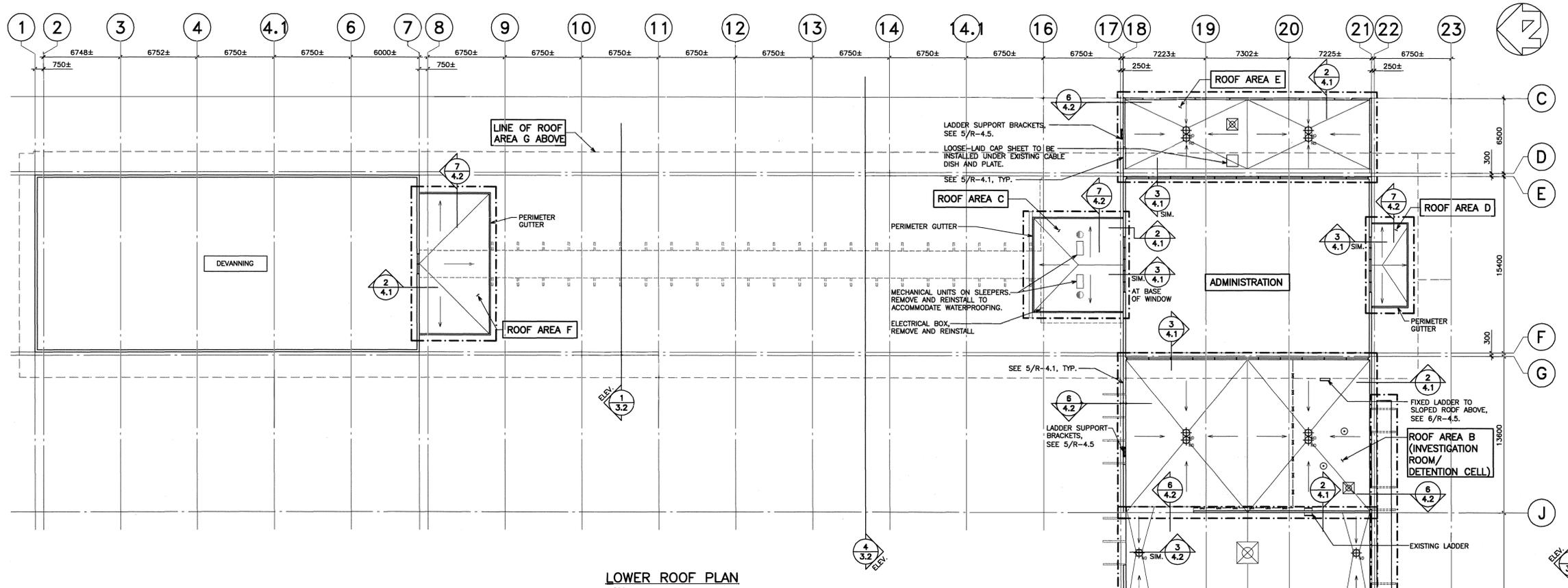
**VAN.113499.0002**

Sheet / Feuille

**R-2.1**

Revision no. / La Revision no.

**0**



**LOWER ROOF PLAN**  
1:200

ROOFING DEMOLITION SCHEDULE	ROOFING REPLACEMENT SCHEDULE
<p><b>ROOF TYPE A - CONVENTIONALLY INSULATED LOW-SLOPE SINGLE-PLY ROOF ASSEMBLY</b></p> <p>EXTERIOR</p> <ul style="list-style-type: none"> <li>SINGLE PLY THERMOPLASTIC OLEFIN (TPO) MEMBRANE, ADHERED</li> <li>1 LAYER OF 24.1mm (1") PAPER FACED POLYISOCYANURATE INSULATION, MECHANICALLY FASTENED.</li> <li>POLYETHYLENE SHEET, LOOSE LAID</li> <li>EXISTING SLOPED STEEL DECK</li> </ul> <p>INTERIOR</p>	<p><b>ROOF TYPE A - REPLACEMENT ASSEMBLY (SEE R-4.3)</b></p> <p>EXTERIOR</p> <ul style="list-style-type: none"> <li>SINGLE PLY GRANULATED SBS MODIFIED BITUMEN MEMBRANE CAP SHEET, TORCH APPLIED</li> <li>SINGLE PLY SBS MODIFIED BITUMEN MEMBRANE BASE SHEET, TORCH APPLIED</li> <li>RIGID INSULATION CRICKETS AND TORCHABLE OVERLAY BOARD, WHERE REQUIRED TO PROVIDE SLOPE TO DRAINS</li> <li>GYPSON SHEATHING</li> <li>EXISTING SLOPED STEEL DECK</li> </ul> <p>INTERIOR</p>
<p><b>ROOF TYPE B AND E - CONVENTIONALLY INSULATED LOW-SLOPE SINGLE-PLY ROOF ASSEMBLY</b></p> <p>EXTERIOR</p> <ul style="list-style-type: none"> <li>SINGLE PLY THERMOPLASTIC OLEFIN (TPO) MEMBRANE, ADHERED.</li> <li>2% TAPERED PAPER-FACED POLYISOCYANURATE INSULATION, MECHANICALLY FASTENED.</li> <li>PAPER-FACED POLYISOCYANURATE INSULATION, MECHANICALLY FASTENED.</li> <li>POLYETHYLENE SHEET, LOOSE LAID</li> <li>EXISTING STEEL DECK</li> </ul> <p>INTERIOR</p>	<p><b>ROOF TYPE B AND E - REPLACEMENT ASSEMBLY (SEE R-4.1 AND R-4.2)</b></p> <p>EXTERIOR</p> <ul style="list-style-type: none"> <li>SINGLE PLY GRANULATED SBS MODIFIED BITUMEN MEMBRANE CAP SHEET, TORCH APPLIED</li> <li>SINGLE PLY SBS MODIFIED BITUMEN MEMBRANE BASE SHEET, TORCH APPLIED</li> <li>4.8mm TORCHABLE OVERLAY BOARD, ADHERED</li> <li>89mm POLYISOCYANURATE INSULATION, ADHERED</li> <li>2% TAPERED EPS TYPE 3 INSULATION, ADHERED</li> <li>SELF-ADHERED VAPOUR BARRIER</li> <li>GYPSON SHEATHING</li> <li>EXISTING STEEL DECK</li> </ul> <p>INTERIOR</p>
<p><b>ROOF TYPE C, D AND F - CONVENTIONALLY INSULATED LOW-SLOPE SINGLE-PLY ROOF ASSEMBLY</b></p> <p>EXTERIOR</p> <ul style="list-style-type: none"> <li>SINGLE PLY THERMOPLASTIC OLEFIN (TPO) MEMBRANE, ADHERED.</li> <li>1% TAPERED PAPER-FACED POLYISOCYANURATE INSULATION, MECHANICALLY FASTENED.</li> <li>PAPER-FACED POLYISOCYANURATE INSULATION, MECHANICALLY FASTENED.</li> <li>POLYETHYLENE SHEET, LOOSE LAID</li> <li>EXISTING PLYWOOD SHEATHING</li> <li>EXISTING TONGUE AND GROOVE DECKING</li> <li>EXISTING NAILER</li> <li>EXISTING STEEL STRUCTURE</li> </ul> <p>INTERIOR</p>	<p><b>ROOF TYPE C, D AND F - REPLACEMENT ASSEMBLY (SEE R-4.1 AND R-4.2)</b></p> <p>EXTERIOR</p> <ul style="list-style-type: none"> <li>SINGLE PLY GRANULATED SBS MODIFIED BITUMEN MEMBRANE CAP SHEET, TORCH APPLIED</li> <li>SINGLE PLY SBS MODIFIED BITUMEN MEMBRANE BASE SHEET, TORCH APPLIED</li> <li>4.8mm TORCHABLE OVERLAY BOARD, ADHERED</li> <li>89mm POLYISOCYANURATE INSULATION, ADHERED</li> <li>1% TAPERED EPS TYPE 3 INSULATION, ADHERED</li> <li>SELF-ADHERED VAPOUR BARRIER</li> <li>EXISTING PLYWOOD SHEATHING</li> <li>EXISTING TONGUE AND GROOVE DECKING</li> <li>EXISTING NAILER</li> <li>EXISTING STEEL STRUCTURE</li> </ul> <p>INTERIOR</p>
<p><b>ROOF TYPE H - CANOPY ROOF ASSEMBLY</b></p> <p>TOP SIDE</p> <ul style="list-style-type: none"> <li>SINGLE PLY THERMOPLASTIC OLEFIN (TPO) MEMBRANE, ADHERED.</li> <li>EXISTING SLOPED STEEL DECK</li> <li>EXISTING STEEL CANOPY FRAMING</li> </ul> <p>UNDERSIDE</p>	<p><b>ROOF TYPE H - CANOPY REPLACEMENT ASSEMBLY (SEE R-4.3)</b></p> <p>TOP SIDE</p> <ul style="list-style-type: none"> <li>SINGLE PLY GRANULATED SBS MODIFIED BITUMEN MEMBRANE CAP SHEET, TORCH APPLIED</li> <li>SINGLE PLY SBS MODIFIED BITUMEN MEMBRANE BASE SHEET, TORCH APPLIED</li> <li>GYPSON SHEATHING</li> <li>EXISTING SLOPED STEEL DECK</li> <li>EXISTING STEEL CANOPY FRAMING</li> </ul> <p>UNDERSIDE</p>

**LEGEND**

- [---] - AREAS OF ROOFING SCOPE.
- [X] - EXISTING EXHAUST VENT OF CURB, SEE 2/R-4.2.
- [X] - EXISTING LARGE EXHAUST VENT ON CURB, SEE 2/R-4.2.
- [O] - EXISTING BOILER FLUE, SEE 6/R-4.3.
- [O] - EXISTING CONDUIT PENETRATION, SEE 8/R-4.2.
- [O] - EXISTING VENT STACK, SEE 1/R-4.2.
- [S] - NEW DRAIN, SEE 3/R-4.2.
- [S] - EXISTING SKYLIGHT, SEE 4/R-4.3.
- [---] - DIRECTION OF ROOF DRAINAGE
- [---] - EXISTING GAS LINE, SEE 4/R-4.2.

**NOTES:**

- ROOF AREAS A, B, C, D, E, F AND H TO BE REPLACED WITH A NEW CONVENTIONAL 2-PLY SBS MB SYSTEM.
- BUILDING SEALANTS TO BE REPLACED, WHERE SPECIFIED. SEE ELEVATIONS AND 5/R-4.2.