

## **Statement of Work**

### **Shingle removal / Installation on New Standing Seam, green metal roofing to Recreation Hall / Library**

#### **Parks Canada- Prince Albert National Park**

**2021**

#### **1. Project description:**

Shingle removal on the Recreation Hall / Library building located in Prince Albert National Park –Waskesiu Lake Sask , on Montreal Drive – GPS location , 53.918217 , -106.0778126 , supply and installation of new Standing Seam “ green “ metal roofing.

##### **a) Site Details**

The building is located in Prince Albert National Park, GPS location, 53.918217 , -106.0778126 . The size of the building roof area is as follows:

The approximate roof dimension is 350 square meters, see drawings attached.

**Note: Existing roof requires extensive leveling with shims and strapping in order to have a plumb roof line.**

#### **2. Requirements:**

- i. Removal and proper disposal off site of old shingles.
- ii. Shingles must be disposed at a permitted municipal landfill.
- iii. Purchase and supply and installation of Standing seam metal roofing, wooden strapping, ridge cap, and fasteners.
- iv. Metal roofing be a minimum of 26 gauge metal.
- v. Supply and install colour matched metal fascia, vented soffit, gable end metal siding and colour matched metal eavestroughs.
- vi. Installation for the Standing seam metal roofing shall be as per manufacturer's specifications. Design roof openings, flute and batten closures, thermal clips and other flashings and accessories in accordance with the manufacturer's recommendations.
- vii. Provide for positive drainage, to the exterior face of the wall, any water entering at joints and/or any condensation occurring within the wall construction.

- viii. The roof system shall accommodate, by means of expansion joints, any movement in the roof itself and between the roof and the building structure, caused by structural movements (deflection and wracking, etc.) and /or thermal expansion and contraction without permanent distortion, damage to in fills, cracking of joints, breakage of seals, or water penetration.
- ix. Lift and replace plumbing jacks /stacks, flashing and vents to original condition, supply and replace damaged units as required.
- x. If during the removal of old shingles, damaged sheathing is encountered it is to be replaced in consultation and approval of Project Manager via Change Order at an agreed upon price.
- xi. Furnish all necessary transportation, scaffolding, forms, labour, tools and mechanical appliances machinery, services and material required for executing the work.

### **Deliverables**

- i. Contractor to supply sample of Standing Seam metal roofing to Parks Canada Representative prior to placing order, to confirm the appropriate “Green colored roofing is acceptable”.

### **3. Constraints:**

#### **Winning contractor to view and measure building to ensure accurate roof measurements prior to ordering materials.**

##### **a. User Occupancy**

- i. User will occupy premises during entire construction period. Cooperate with the departmental representative to minimize conflict and to facilitate usage.
- ii. Warranty period will not start until Interim Acceptance of the Work of the final phase of the Project.

##### **b. Construction Site Safety**

- i. Have working knowledge of occupational safety and health regulations.

- ii. Be responsible for health and safety of persons on-site, safety of property on-site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of work.
- iii. Contractor to ensure all paths and exits from the existing building during construction are clearly indicated and un-obstructed to allow workers to exit in the event of an emergency. Reference OH & S Part 8 Section 119(3) & Part 12 Section 185.
- iv. Manage all electrical cord safety hazards by ensuring that all cords used by the workers on site meet manufacturer's specifications.
- v. Comply with and enforce compliance by employees with safety requirements of Contract documents, applicable Federal, Provincial, Territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.
- vi. Read, understand and implemented Standard Operating Procedures for all procedures.
- vii. Provide all personal protective equipment and ensure it is used as required.
- viii. Ensure first aid equipment will be available on all work sites.
- ix. Record and properly document all close-calls, accidents and injuries.

**c. Environmental Management**

- i. Do not allow waste material, rubbish, and debris to accumulate and become an unsightly or hazardous condition. Maintain site in a clean and orderly condition
- ii. Removal of all construction debris and waste and disposal in an approved landfill.
- iii. Burning rubbish and construction waste materials is not permitted on site.

**d. Preventing Mould During Construction**

- i. Monitor interior relative humidity conditions in relation to surface temperatures to prevent generation of moisture that may contribute to mould growth on the surface of organic construction materials.
- ii. Install insulation concurrently with air and vapour retarder.
- iii. Refer to CCA 82 - 2004 "Mould Guidelines for the Canadian Construction Industry", published by the Canadian Construction Association, for

additional information about mould, its implications and recommendations on its prevention.

- iv. Promptly report to the Owner any mould growth observed at the work site. If the Owner determines that such mold growth was caused by the Contractor's operations, the Contractor shall promptly remove it in accordance with procedures prescribed by the Owner, at no cost to the Owner.

**e. Alterations to Mechanical and Electrical Services**

- i. Temporary removal of existing mechanical and electrical components, fixtures and conduit may be required. Perform alterations with minimum disturbance to existing work.
- ii. Patch and make good existing work, where damaged due to alterations to and installation of new finishes. If damages occur, repair is at the cost of the contractor.
- iii. Prior to any service interruption or disconnection, submit a written request with details to the PCA departmental representative for review, approval and coordination with tenants.
- iv. Proceed with any possible mechanical or electrical work with a certified licensed journeyman for the necessary trade.

**f. Regulatory Requirements**

- i. Conform to and perform work in accordance with the National Building Code, except as otherwise indicated in Contract Documents.
- ii. Venting: Metal roof system shall be designed to provide venting of the insulation space as specified in the National Building Code of Canada.
- iii. Sheet metal roofing and cladding shall be designed to resist positive and negative wind loads in accordance with the National Building Code of Canada, local wind pressures 1 in 50 years without failure or permanent set.
- iv. Sheet metal roofing and cladding shall be designed to resist snow and rain loads in accordance with the National Building Code of Canada, for the 1 in 50 year return period without failure or permanent set. Roof

system to be anchored at continuous horizontal line for drag loads caused by retained snow and ice load.

**g. Contractor Qualifications:**

- i. Roofing installers must have experience with the respective roofing product on this project.

**h. Permits**

- i. All Contractor's vehicles are required to display a vehicle work pass from Parks Canada. These permits may be obtained free of charge from the Parks Canada Administration Office.
- ii. Contractor to obtain permits and business licenses as required by Parks Canada.

**4. Parks Canada is responsible for :**

- i. Ongoing inspection at all stages of contract.
- ii. Approval of Standing Seam metal roofing material and the appropriate "Green" colour.