



<p>RETURN BIDS TO/RETOURNER LES SOUMISSIONS À:</p> <p>Bid Receiving - Environment Canada / Réception des soumissions – Environnement Canada</p> <p>Electronic Copy: ec.soumissions-bids.ec@canada.ca</p> <p>BID SOLICITATION- INVITATION TO TENDER DEMANDE DE SOUMISSIONS – APPEL D’OFFRES</p> <p>PROPOSAL TO: ENVIRONMENT CANADA</p> <p>We offer to perform or provide to Canada the services detailed in the document including any attachments and annexes, in accordance with the terms and conditions set out or referred to in the document, at the price(s) provided.</p> <p>SOUMISSION À:</p> <p>ENVIRONNEMENT CANADA</p> <p>Nous offrons d’effectuer ou de fournir au Canada, aux conditions énoncées ou incluses par référence dans le document incluant toutes pièces jointes et annexes, les services détaillés dans le document, au(x) prix indiqué(s).</p>	<p>Title – Titre</p> <p>Pacific Wildlife Research Centre Roof Replacement Phase II (Science Wing)</p>	
	<p>EC Bid Solicitation No. /SAP No. – N° de la demande de soumissions EC / N° SAP</p> <p>5000059402</p>	
	<p>Date of Bid solicitation (YYYY-MM-DD) – Date de la demande de soumissions (AAAA-MM-JJ)</p> <p>2021-07-21</p>	
	<p>Bid Solicitation Closes (YEAR-MM-DD) - La demande de soumissions prend fin (AAAA-MM-JJ)</p> <p>at – à 6:00 P.M.</p> <p>on – le 2021-08-18</p>	<p>Time Zone – Fuseau horaire</p> <p>EDT</p>
	<p>F.O.B – F.A.B</p>	
	<p>Address Enquiries to - Adresser toutes questions à</p> <p>Shawn Davis</p> <p>shawn.davis@ec.gc.ca</p>	
	<p>Telephone No. – N° de téléphone</p> <p>N/A</p>	<p>Fax No. – N° de télécopieur</p> <p>N/A</p>
	<p>Delivery Required (YEAR-MM-DD) – Livraison exigée (AAAA-MM-JJ) 2021-12-31</p>	
	<p>Destination - of Services / Destination des services</p> <p>British Columbia</p>	
	<p>Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l’entrepreneur</p>	



	Telephone No. – N° de téléphone	Fax No. – N° de télécopieur
	Name and title of person authorized to sign on behalf of Vendor/Firm: (type or print) / Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
	Signature	Date



**INVITATION TO TENDER
PWRC Roof Replacement Phase II (Science Wing)
Pacific Wildlife Research Centre
5421 Robertson Road
Delta, BC**

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**R2710T GENERAL INSTRUCTIONS - CONSTRUCTION SERVICES - BID SECURITY
REQUIREMENTS
(GI) (2019-05-30)**

The following GI's are included by reference and are available at the following Web Site
<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

- GI01 Integrity Provisions - Bid
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SPECIAL INSTRUCTIONS TO BIDDERS (SI)

SI01 BID DOCUMENTS

1. The following are the Bid Documents:
 - a. Invitation to Tender - Page 1;
 - b. Special Instructions to Bidders;
 - c. General Instructions - Construction Services - Bid Security Requirements R2710T (2019-05-30)
 - d. Clauses & Conditions identified in "Contract Documents";
 - e. Drawings and Specifications;
 - f. Bid and Acceptance Form and related Appendix(s); and
 - g. Any amendment issued prior to solicitation closing.

Submission of a bid constitutes acknowledgement that the Bidder has read and agrees to be bound by these documents.

2. General Instructions - Construction Services - Bid Security Requirements R2710T is incorporated by reference and is set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Services and Procurement Canada. The SACC Manual is available on the PWGSC Web site: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

The General Instructions R2710T are modified as follows:

At G110 (2010-01-11) Revision of bid

Delete: In its entirety.

Insert:

1. A bid submitted in accordance with these instructions may be revised provided the revision is received at the office designated for the receipt of bids, on or before the date and time set for the closing of the solicitation. The revision shall be on the Bidder's letterhead or bear a signature that identifies the Bidder.
2. A revision to a bid that includes unit prices must clearly identify the change(s) in the unit price(s) and the specific item(s) to which each change applies.

At G113 (2019-05-30) Procurement Business Number

Delete: In its entirety.

At G116 (2010-01-11) Performance evaluation

DELETE: 2.

SI02 ENQUIRIES DURING THE SOLICITATION PERIOD

1. Enquiries regarding this bid must be submitted in writing to the Contracting Authority named on the Invitation to Tender - Page 1 at shawn.davis@ec.gc.ca Except for the approval of alternative materials as described in G115 of R2710T, enquiries should be



received no later than 5 business days prior to the date set for solicitation closing to allow sufficient time to provide a response. Enquiries received after that time may result in an answer NOT being provided.

2. To ensure consistency and quality of the information provided to Bidders, ECCC will examine the content of the enquiry and will decide whether or not to issue an amendment.
3. All enquiries and other communications related to this bid sent throughout the solicitation period must be directed ONLY to the Contracting Authority named in paragraph 1. above. Failure to comply with this requirement may result in the bid being declared non-compliant.

SI03 OPTIONAL SITE VISIT

1. There will be a site visit on August 4, 2021 at 10am (local time). Interested bidders are to meet at Pacific Wildlife Research Centre, 5421 Robertson Road, Delta, BC.

Please confirm if you are planning on attending the site visit by sending an email to – shawn.davis@ec.gc.ca

2. The site visit for this project is OPTIONAL. The representative of the Bidder should sign the Site Visit Attendance Sheet at the site visit.
3. Safety Attire: In order to be guaranteed access to the site visit all persons should have the proper personal protection equipment (safety glasses, footwear, vests and hard hats etc.). Contractor`s personnel/individuals who do not have the proper safety attire may be denied access to the site.

SI04 REVISION OF BID

A bid may be revised in accordance with G110 of R2710T.

SI05 INSUFFICIENT FUNDING

In the event that the lowest compliant bid exceeds the amount of funding allocated for the Work, Canada in its sole discretion may

- a. cancel the solicitation; or
- b. obtain additional funding and award the Contract to the Bidder submitting the lowest compliant bid

SI06 BID VALIDITY PERIOD

1. Canada reserves the right to seek an extension to the bid validity period prescribed in



BA04 of the Bid and Acceptance Form. Upon notification in writing from Canada, Bidders will have the option to either accept or reject the proposed extension.

2. If the extension referred to in paragraph 1. above is accepted, in writing, by all those who submitted bids, then Canada will continue immediately with the evaluation of the bids and its approvals processes.
3. If the extension referred to in paragraph 1. above is not accepted in writing by all those who submitted bids then Canada will, at its sole discretion, either
 - a. continue to evaluate the bids of those who have accepted the proposed extension and seek the necessary approvals; or
 - b. cancel the invitation to tender.
4. The provisions expressed herein do not in any manner limit Canada's rights in law or under G111 of R2710T.

SI07 Bid Preparation Instructions

Bids must be prepared and submitted in accordance with GI09 (2014-03-01) Submission of Bid.

In addition, Canada requests that bidders follow the format instructions described below in the preparation of their hard copy bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- (1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- (2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders, must not contain any materials composed of plastic; and
- (3) print on both sides of the paper.

Note for electronic submission of bids:

In order to be considered, bids must be received no later than the date and time indicated on the cover page to herein as the "Closing Date." Bids received after the Closing Date will be considered non-responsive and will not be considered for contract award. Bids submitted by email must be submitted ONLY to the following email address:

Email Address: ec.soumissions-bids.ec@canada.ca

Attention: **Shawn Davis**



Solicitation Number: **5000059402**

Bidders should ensure that their name, address, Closing Date of the solicitation and Solicitation Number are clearly indicated in the body of their email. Bids and supporting information may be submitted in either English or French.

The total size of the email, including all attachments, must be less than 15 megabytes (MB). It is each Bidder's responsibility to ensure that the total size of the email does not exceed this limit.

Bids sent by fax will not be accepted.

It is important to note that emails systems can experience systematic delays and, at times, large attachments may cause systems to hold or delay transmission of emails. It is solely the Bidder's responsibility to ensure that the Contracting Authority receives a bid on time, in the mailbox that has been identified for bid receipt purposes. Date stamps for this form of transmission are not acceptable.

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

SI08 CONSTRUCTION DOCUMENTS

The successful Contractor will be provided (**with 1 electronic copy**) of the sealed and signed drawings, the specifications and the amendments upon acceptance of the offer. Additional copies, up to a maximum (*insert amount*), will be provided free of charge upon request by the Contractor. Obtaining more copies will be the responsibility of the Contractor including costs.

SI09 INDUSTRIAL SECURITY RELATED REQUIREMENTS

Not Applicable

SI10 LISTING OF SUBCONTRACTORS AND SUPPLIERS

Deleted

S11 Green Procurement

To support the mandate and commitments of ECCC and the Government of Canada as a whole, Bidders that do business with ECCC are expected to have a Corporate Environmental Policy that addresses water conservation, greenhouse gas (GHG) reduction, waste reduction, air quality, and supports biodiversity and protection of wildlife.

SI12 WEB SITES

The connection to some of the Web sites in the solicitation documents is established by the use of hyperlinks. The following is a list of the addresses of the Web sites:

Treasury Board Appendix L, Acceptable Bonding Companies



<http://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=14494§ion=text#appl>

Buy and Sell

<https://www.achatsetventes-buyandsell.gc.ca>

Canadian economic sanctions

https://www.international.gc.ca/world-monde/international_relations-relations_internationales/sanctions/index.aspx?lang=eng

Bid Bond (form PWGSC-TPSGC 504)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/504.pdf>

Performance Bond (form PWGSC-TPSGC 505)

http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/505_eng.pdf

Labour and Material Payment Bond (form PWGWSC-TPSGC 506)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/506.pdf>

Standard Acquisition Clauses and Conditions (SACC) Manual

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

PWGSC, Industrial Security Services

<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>

PWGSC, Code of Conduct and Certifications

<http://www.tpsgc-pwgsc.gc.ca/app-acq/cndt-cndct/contexte-context-eng.html>

Construction and Consultant Services Contract Administration Forms Real Property Contracting

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>

Declaration Form

<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>

Trade agreements

<https://buyandsell.gc.ca/policy-and-guidelines/Policy-and-Legal-Framework/Trade-Agreements>



CONTRACT DOCUMENTS (CD)

1. The following are the Contract Documents:
 - a. Contract Page when signed by Canada;
 - b. Duly completed Bid and Acceptance Form and any Appendices attached thereto;
 - c. Drawings and Specifications;
 - d. General Conditions and clauses

GC1	General Provisions – Construction Services	R2810D (2017-11-28);
GC2	Administration of the Contract	R2820D (2016-01-28);
GC3	Execution and Control of the Work	R2830D (2018-06-21);
GC4	Protective Measures	R2840D (2008-05-12);
GC5	Terms of Payment	R2850D (2019-11-28);
GC6	Delays and Changes in the Work	R2860D (2019-05-30);
GC7	Default, Suspension or Termination of Contract	R2870D (2018-06-21);
GC8	Dispute Resolution	R2880D (2019-11-28);
GC9	Contract Security	R2890D (2018-06-21);
GC10	Insurance	R2900D (2008-05-12);
GC11	Allowable Costs for Contract Changes Under GC6.4.1	R2950D (2015-02-25);

- e. Supplementary Conditions
 - f. Any amendment issued or any allowable bid revision received before the date and time set for solicitation closing;
 - g. Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and
 - h. Any amendment or variation of the contract documents that is made in accordance with the General Conditions.
2. The documents identified by title, number and date above are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>
3. The language of the contract documents is the language of the Bid and Acceptance Form submitted.



SUPPLEMENTARY CONDITIONS (SC)

SC01 INDUSTRIAL SECURITY RELATED REQUIREMENTS, DOCUMENT SAFEGUARDING

There is no document security requirement applicable to this Contract.

SC02 LIMITATION OF LIABILITY

GC1.6 of R2810D is deleted and replaced with the following:

GC1.6 Indemnification by the Contractor

1. The Contractor shall indemnify and save Canada harmless from and against all claims, demands, losses, costs, damages, actions, suits, or proceedings whether in respect to losses suffered by Canada or in respect of claims by any third party, brought or prosecuted and in any manner based upon, arising out of, related to, occasioned by, or attributable to the activities of the Contractor in performing the Work, provided such claims are caused by the negligent or deliberate acts or omissions of the Contractor, or those for whom it is responsible at law.

The Contractor's obligation to indemnify Canada for losses related to first party liability shall be limited to:

- a. In respect to each loss for which insurance is to be provided pursuant to the insurance requirements of the Contract, the Commercial General Liability insurance limit for one occurrence as referred to in the insurance requirements of the Contract .
- b. In respect to losses for which insurance is not required to be provided in accordance with the insurance requirements of the Contract, the greater of the Contract Amount or \$5,000,000, but in no event shall the sum be greater than \$20,000,000.

The limitation of this obligation shall be exclusive of interest and all legal costs and shall not apply to any infringement of intellectual property rights or any breach of warranty obligations.

3. The Contractor's obligation to indemnify Canada for losses related to third party liability shall have no limitation and shall include the complete costs of defending any legal action by a third party. If requested by Canada, the Contractor shall defend Canada against any third party claims.
4. The Contractor shall pay all royalties and patent fees required for the performance of the Contract and, at the Contractor's expense, shall defend all claims, actions or proceedings against Canada charging or claiming that the Work or any part thereof provided or furnished by the Contractor to Canada infringes any patent, industrial design, copyright trademark, trade secret or other proprietary right enforceable in Canada.



5. Notice in writing of a claim shall be given within a reasonable time after the facts, upon which such claim is based, became known.

SC03 INSURANCE TERMS

1) Insurance Contracts

- (a) The Contractor must, at the Contractor's expense, obtain and maintain insurance contracts in accordance with the requirements of the Certificate of Insurance. Coverage must be placed with an Insurer licensed to carry out business in Canada.
- (b) Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract. The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

2) Period of Insurance

- (a) The policies required in the Certificate of Insurance must be in force from the date of contract award and be maintained throughout the duration of the Contract.
- (b) The Contractor must be responsible to provide and maintain coverage for Products/Completed Operations hazards on its Commercial General Liability insurance policy, for a period of six (6) years beyond the date of the Certificate of Substantial Performance.

3) Proof of Insurance

- (a) Before commencement of the Work, and no later than thirty (30) days after contract award, the Contractor must deposit with Canada a Certificate of Insurance.
- (b) Upon request by Canada, the Contractor must provide originals or certified true copies of all contracts of insurance maintained by the Contractor pursuant to the Certificate of Insurance.

4) Insurance Proceeds

In the event of a claim, the Contractor must, without delay, do such things and execute such documents as are necessary to effect payment of the proceeds.

5) Deductible



The payment of monies up to the deductible amount made in satisfaction of a claim must be borne by the Contractor.

SC04 ASPHALT CEMENT PRICE ADJUSTMENT

Not Applicable

SC05 ELEVATOR MAINTENANCE REQUIREMENT

Not Applicable



BID AND ACCEPTANCE FORM (BA)

BA01 IDENTIFICATION

PWRC Roof Replacement Phase II (Science Wing)
Pacific Wildlife Research Centre
5421 Robertson Road
Delta, BC

BA02 LEGAL NAME AND ADDRESS OF BIDDER

Legal Name: _____

Operating Name (if any): _____

Address: _____

Telephone: _____ Fax: _____ E-mail: _____

BA03 THE OFFER

The Bidder offers to Canada to perform and complete the Work for the above named project in accordance with the Bid Documents for the Total Bid Amount of

\$ _____

excluding Applicable Tax(es) (amount in numbers).

BA04 BID VALIDITY PERIOD

The bid must not be withdrawn for a period of **120 days** following the date of solicitation closing.

BA05 ACCEPTANCE AND CONTRACT

Upon acceptance of the Bidder's offer by Canada, a binding Contract will be formed between Canada and the Bidder. The documents forming the Contract will be the Contract Documents identified in "Contract Documents (CD)" section.

BA06 CONSTRUCTION TIME

The Contractor must perform and complete the Work within 12 weeks from the date of notification of acceptance of the offer.

BA07 BID SECURITY

The Bidder must enclose bid security with its bid in accordance with G108 - Bid Security Requirements of R2710T - General Instructions - Construction Services - Bid Security Requirements.

BA08 SIGNATURE

Name and title of person authorized to sign on behalf of Bidder (Type or print)

Name & Title (*printed*):

Signature:

Date:



APPENDIX 1 - INTEGRITY PROVISIONS

Environnement et Changement climatique Canada a adopté le régime d'intégrité développé et mis en place par Services publics et Approvisionnement Canada. Les fournisseurs acceptent, en soumettant une proposition, de se conformer aux dispositions du régime d'intégrité et la *Politique d'inadmissibilité et de suspension* ainsi que le *Code de conduite pour l'approvisionnement*. / Environment and Climate Change Canada has endorsed the Integrity Regime developed and implemented by Public Services and Procurement Canada. By submitting a quote, Contractors agree to comply with the provisions of the Integrity Regime and *Ineligibility and Suspension Policy* as well as the *Code of Conduct for Procurement*.

Selon la Politique d'inadmissibilité et de suspension de TPSGC (maintenant SPAC), les renseignements suivants doivent être fournis lors d'une soumission ou de la passation d'un marché.¹ / In accordance with the PWGSC (now PSPC) Ineligibility and Suspension Policy, the following information is to be provided when bidding or contracting.¹

* Informations obligatoires / Mandatory Information

*Dénomination complète de l'entreprise / Complete Legal Name of Company	
*Nom commercial / Operating Name	
*Adresse de l'entreprise / Company's address	*Type d'entreprise / Type of Ownership
	<input type="checkbox"/> Individuel / Individual <input type="checkbox"/> Corporation / Corporation <input type="checkbox"/> Coentreprise / Joint Venture
*Membres du conseil d'administration² / Board of Directors² (Ou mettre la liste en pièce-jointe / Or provide the list as an attachment)	
Prénom / First name	Nom / Last Name
Position (si applicable) / Position (if applicable)	

¹ **Liste des noms** : Tous les fournisseurs, peu importe leur situation au titre de la Politique, doivent présenter les renseignements ci-dessous au moment de prendre part à un processus d'approvisionnement:

- les fournisseurs constitués en personne morale, y compris ceux qui présentent une soumission à titre de coentreprise, doivent fournir la liste complète des noms de tous les administrateurs actuels ou, dans le cas d'une entreprise privée, des propriétaires de la société;
- les fournisseurs soumissionnant à titre d'entreprise à propriétaire unique, y compris ceux soumissionnant en tant que coentreprise, doivent fournir la liste complète des noms de tous les propriétaires;
- les fournisseurs soumissionnant à titre de société en nom collectif n'ont pas à soumettre une liste de noms.

List of names: All suppliers, regardless of their status under the Policy, must submit the following information when participating in a procurement process:

- suppliers that are corporate entities, including those bidding as joint ventures, must provide a complete list of the names of all current directors or, for a privately owned corporation, the names of the owners of the corporation;
- suppliers bidding as sole proprietors, including sole proprietors bidding as joint ventures, must provide a complete list of the names of all owners; or
- suppliers that are a partnership do not need to provide a list of names.

² Conseil des gouverneurs / Board of Governors; Conseil de direction / Board of Managers; Conseil de régents / Board of Regents; Conseil de fiducie / Board of Trustees; Comité de réception / Board of Visitors



ANNEX A – STATEMENT OF WORK

SCOPE OF WORK

Contractor is to provide all labour, equipment, and materials necessary to perform complete roof replacement Work on designated roof areas as described in the Contract Documents at the Pacific Wildlife Research Centre located at 5421 Robertson Road in Delta, BC.

STEEP SLOPE METAL ROOFING: On Roof Areas S-1.2, S-1.3 and S-3.1:

Remove existing system components, projection and perimeter flashings, and old appurtenances down to existing deck in preparation for installation of a new Standing Seam Metal Roofing system to include, but not limited to the following provisions:

- *Remove down to existing wood deck and dispose of existing wood shingles, underlayment roof membrane, projection and perimeter flashings, and old appurtenances.
- *Repair and replace all damaged wood decking where applicable.
- *Within Attic, supply and install new blown-in insulation where applicable.
- *Install 3/8" plywood cover board over existing wood deck.
- *Install high temperature self-adhering vapour retarder.
- *Install new self-adhering eave protection membrane along valleys, ridges, eaves, perimeters, and at roof penetrations.
- *Install new ventilation layer consisting of nylon drainage mat for slopes less than 4/12 over top new vapour retarder.
- *Install new Metal panels and associated components.
- *Supply and install new vent B-vent flashing caps.
- *Preserve existing metal rain gutters.
- *Install new aluminum gutter and downspouts where indicated on Roof Pan.
- *Contractor is responsible for co-ordination of abatement procedures for all Asbestos Containing Materials (ACM) pertinent to successful performance of Work.
- *Install new prefinished metal flashings, hook strips, and trim at all perimeter and projection locations where indicated.

STEEP SLOPE CEDAR SHINGLE REPLACEMENT (On Roof Areas S-1.1, S-1.4, S-2.1 and S-2.2):

Supply all labour, equipment, and materials to install new cedar wood shingle roof system, to include, but not be limited to the following provisions:

- *Remove down to existing wood sheathing and dispose of existing wood shingles, underlayment roof membrane, projection and perimeter flashings, and old appurtenances.
- *Repair and replace all damaged wood siding and fascia. Prime and paint all new and repaired wood siding and fascia.
- *Within Attic, supply and install new blown-in insulation where applicable.
- *Install new metal drip edge flashing where applicable.
- *Install new self-adhering eave protection membrane along valleys, ridges, eaves, perimeters, roof penetrations, and at the entire roof deck surfaces.
- *Install cedar shingle at the hip, valley and eave locations.
- *Supply and install appropriate new vent and exhaust fan flashings where applicable.
- *Fasten new cedar wood shingles as specified.
- *Provide neat row of overlapping cedar wood ridge shingles at hip and ridge locations.
- *Preserve existing metal rain gutters and downpipes.
- *Contractor is responsible for co-ordination of abatement procedures for all Asbestos Containing Materials (ACM) pertinent to successful performance of Work.
- *Install new prefinished metal flashings, hook strips, and trim at all perimeter and projection locations where indicated.

SKYLIGHT REPLACEMENT (On Roof Area S-3.1):

Remove and dispose existing skylight and supply and install new skylight system to include, but not be limited to the following provisions:

- *Remove and dispose existing skylights.



- *Review condition of existing structural supports.
- *Provide engineered metal framed skylight shop drawings stamped by a professional Engineer registered in BC for IRC review.
- *Install interior scaffolding protection under skylight.
- *Perform third party water infiltration testing for new skylight.
- *Install new prefinished metal flashings, hook strips, and trim at all perimeter and projection locations where indicated on drawings.
- *Contractor responsible for co-ordination of abatement procedures for all Asbestos Containing Materials (ACM) pertinent to successful performance of Work.

SCHEDULE:

Construction is scheduled to be complete: **December 31, 2021.**



Pacific Wildlife Research Centre (PWRC) Roof Replacement

Project Specifications

Roof Plan and Details

No	Title	Date
A0	Cover Page	2021/05/06
A1	Roof Plan	2021/05/06
D07	Shingle Roof Ridge Detail	2021/05/06
D08	Shingle Roof Eave w/ Gutter Detail	2021/05/06
D09	Shingle Roof Valley Detail	2021/05/06
D12	Metal Roof Eave w/ Gutter Detail	2021/05/06
D13	Metal Roof Eave Detail	2021/05/06
D14	Metal Roof Hip Detail	2021/05/06
D15	Metal Roof Vent Ridge Detail	2021/05/06
D16	Metal Roof Valley Detail	2021/05/06
D17	Metal Roof Step Detail	2021/05/06
D18	Metal Roof Rake Edge Detail	2021/05/06
D19	Metal Roof Apron Detail	2021/05/06
D20	Metal Roof Step Detail	2021/05/06
D21	Metal Roof Step Detail	2021/05/06
D22	Transition Detail	2021/05/06
D23	Metal Roof Step Detail	2021/05/06
D26	Plumbing Stack Detail	2021/05/06
D27	Skylight Detail	2021/05/06
D30	B-vent Detail	2021/05/06