

PROCUREMENT SERVICES

CITY OF SURREY, SURREY CITY HALL 13450 – 104 Avenue, Surrey, B.C., V3T 1V8 Tel: 604-590-7274 E-mail: purchasing@surrey.ca

ADDENDUM No. 1

REQUEST FOR QUOTATIONS No.: 1220-040-2022-065 TITLE: Port Kells Hall – Roof Replacement ADDENDUM ISSUE DATE: September 1, 2022 REVISED DATE: PREFER TO RECEIVE QUOTATIONS ON OR BEFORE September 9, 2022.

INFORMATION FOR CONTRACTORS

Contractors are advised that Addendum No.1 to RFQ # 1220-040-2022-065 is hereby issued by the City. This addendum shall form part of the contract documents and is to be read, interpreted and coordinated with all other parts. The following information is provided to answer questions raised by Contractors for the above-named project, to the extent referenced and shall become a part thereof. No consideration will be allowed for extras due to the Contractors or any sub-contractor not being familiar with this addendum. This Addendum No.1 with attachments contains eleven (11) pages in total.

REVISED CLOSING DATE:

The City would prefer to receive Quotations on or before September 9, 2022.

CLARIFICATION OR MODIFICATION TO THE SCOPE OF WORK

- See attached Addendum No. 1 regarding clarification/modification from the City's Consultant

 IRC Building Sciences Group. Note the drawing is a revision to the existing 'Drawing R1'.
 IRC addendum takes precedence for clarifications/change in scope over any previously advertised.
- 2. There will be no contractor access to neighboring property on North side of the building during construction. Any required roof work is expected to be executed from roof level. Any isolated access that may be required should the need arise must be coordinated with the City to obtain pre-approval prior to access.

INFORMATION ONLY

1. Refer to Schedule C – Form of Quotation.

Delete Schedule C (Form of Quotation) in its entirety and substitute with the Revised Schedule C - Form of Quotation (ADD 1).

All Addenda will become part of the Contract Documents.

- END OF ADDENDUM -



IRC Building Sciences Group 250 - 21900 Westminster Highway Richmond, British Columbia, V6V 0A8 Tel: 604.295.8070, Fax: 604.279.9644 Toll Free: 1 888 607 5245

Project:	Roof Replacement	Page No:	1 of 2
Facility:	City of Surrey – Port Kells Community Hall	Date:	August 23, 2022
Address:	18918 88 th Ave Surrey, BC, V4N 5T2	IRC Ref. No: Client Ref. No:	VR22-070SP-20944

Bidders to note and consider in their pricing, the following changes made to the Bid Documents by this Addendum issued by IRC Group prior to the Bid Closing. Acknowledge receipt of this Addendum on the Bid Form where indicated and submit signed copy of last page in Bid.

Clarification or modification to the Scope of Work and the Project Documents during the tender preparation:

1.0 MODIFICATION TO THE SCOPE OF WORK

1.1 Revise specification section 01 11 00 Summary of Work, sub-section 1.8.3, line item 1.8.3.1.2 to read the following:

Retain existing roof ladder in place; remove and reinstall upper wall connections at the existing locations with new fasteners in order to accommodate the work and installation of new metal flashings. Contractor is to allow for re-certification of the existing ladder.

1.2 Revise specification section 01 11 00 Summary of Work, sub-section 1.8.3, line item 1.8.3.12 to add the following:

Supply and install new PVC (Schedule 40) downspouts at locations shown on Roof Plan R1. Downspouts are to be connected to the scupper drains on RA 4.1 and draining on to the lower RA 1.1. Installation is to include all components (elbows, straps, fasteners, clean-out, etc..) necessary for a complete installation. Allow for a new splash pad at each new downspout. Refer to attached specification section

1.3 Revise specification section 01 11 00 Summary of Work, to add the following sub-section 1.12:

Scope of Work: Guardrail System (Base Bid)

- .1 <u>On Roof Area 2.1</u>: Remove and dispose of existing guardrail, and supply and install new custom pre-engineered ballasted safety guardrail system at locations shown on Roof Plan R1 and per the project Documents.
- .2 Allow for new wood filler to infill holes where existing bolts have been removed within the wood blocking, paint and make good to match surrounding finish.
- .3 The Contractor shall verify the actual site condition, prior to any shop drawing and fabrication.
- .4 The design and installation of the guardrails shall conform to BC Building Code 2018 as well as all local requirements to withstand structural loads without exceeding the allowable working stresses of the materials.
- .5 Contractor is to submit shop drawings showing structural components and connection details, sealed, and signed by a Professional Engineer registered in BC. This will be reviewed by the Consultant and Owner's Representative prior to any fabrication.



IRC Building Sciences Group 250 - 21900 Westminster Highway Richmond, British Columbia, V6V 0A8 Tel: 604.295.8070, Fax: 604.279.9644 Toll Free: 1 888 607 5245

Project:	Roof Replacement	Page No:	2 of 2
Facility:	City of Surrey – Port Kells Community Hall	Date:	August 23, 2022
Address:	18918 88 th Ave Surrey, BC, V4N 5T2	IRC Ref. No: Client Ref. No:	VR22-070SP-20944

Bidders to note and consider in their pricing, the following changes made to the Bid Documents by this Addendum issued by IRC Group prior to the Bid Closing. Acknowledge receipt of this Addendum on the Bid Form where indicated and submit signed copy of last page in Bid.

1.4 Contractor is to provide an alternate cost (cost difference) for the Siplast roof membrane system. Soprema is to be Base Bid.

.1 Products in the table are accepted as alternate equivalent for this project. The comparative table for the bidder's reference is as follows:

Description	Soprema	Siplast
Adhesive	DuoTack Adhesive	Parafast Adhesive
General Purpose Primer	Elastocol 500	PA-917
Solvent Based Primer	Elastocol Stick	TA-325
Vapour Retarder	Sopravap'r	Siplast SA VR
Vapour Retarder Flashings	Sopraply Flam Stick	Paradiene 20 SA
Tapered Insulation	SopraISO Plus	Paratherm CG
Coverboard	2-1 Soprasmart ISO HD	1/2" Paratherm HD Cover Panel w/ Paradiene 20 TS SA Base Sheet Membrane
Cover Strips	Sopralap	Paradiene 20 TG
Base Sheet Field Membrane	n/a (factory applied)	Paradiene 20 TS SA
Base Sheet Flashings**	Sopralene Flam 180 or Sopraply Flam Stick	Paradiene 20 TG Base or Paradiene 20 SA
Cap Sheet Membrane and Flashings	Sopraplene Flam 250 GR	Parafor 30 TG
Walkway	Sopralene Flam 180 GR (Black)	Paratread (Stone Grey)
Warning Strip / Track	Sopralene Flam 180 GR (Red)	Paracoat (Red)

*Contractors bidding with the comparative product must provide specified warranty types and terms.

** Base sheet flashings must be torch applied over top of vapour retarder stripping.

Enclosed:

Specification Section 07 62 13 (4 pages) Revised Roof Plan R1 (Rev.1) (1 page) End of Addendum No. 1

Contractor	Name:	Signature:	Organization:	Date:
Reviewed:				

PART 1 - GENERAL

1.1 SECTION INCLUDES

- .1 Downspouts.
- .2 Accessories.

1.2 RELATED SECTIONS

- .1 Section 01 00 00 General Requirements.
- .2 Section 01 11 00 Summary of Work.
- .3 Section 07 52 00 Modified Bituminous Roofing.
- .4 Section 07 62 00 Prefinished Sheet Metal Flashing and Trim.
- .5 Section 07 92 00 Joint Sealants.

1.3 REFERENCES

- .1 Latest edition of all listed references; most stringent requirements to govern in conflicts:
 - .1 American National Standards Institute/Single Ply Roofing Industry (ANSI/SPRI):
 - .1 ES-1: Wind Design Standard for Edge Systems (Low Slope Roofing).
 - .2 American Society for Testing and Materials (ASTM).
 - .1 A606: Steel Sheet, High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance.
 - .2 A653/A653M: Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by Hot-Dip Process.
 - .3 A792/A792M: Steel Sheet, 55% Alum.-Zinc Alloy-Coated by Hot-Dip.
 - .3 Canadian Standards Association (CAN/CSA):
 - .1 B111: Wire Nails, Spikes and Staples.
 - .4 Canadian General Standards Board (CAN/CGSB):
 - .1 51.32M: Sheathing, Membrane, Breather Type.
 - .2 93.1-M: Sheet, Aluminum Alloy, Prefinished.
 - .5 Sheet Metal and Air Conditioning Contractors National Association (SMACNA):
 - .1 Architectural Sheet Metal Manual
 - .6 Roofing Contractors Association of BC (RCABC): Roof Practices Manual, Latest Revision, and includes Technical Updates issued at the time of tender.
 - .7 Canadian Roofing Contractors Association (CRCA): Roofing and Waterproofing Manual

1.4 SUBMITTALS

.1 Shop Drawings: Submit shop drawings with profile(s) for review by consultant prior to fabrication.

.2 Samples: Provide nominal 305mm (12") length of rainwater leader for review by Owner and Consultant.

1.5 QUALITY ASSURANCE

- .1 Manufacturer Qualifications: Manufacturer shall have a minimum of five (5) years' experience in the production of sheet metal downspouts.
- .2 Fabricator Qualifications: Shall be approved by manufacturer for fabrication of downspouts.

1.6 STORAGE AND HANDLING

- .1 Do not store metals in direct contact with the earth, road surface, or roof deck. Place suitable supports under the metal upon delivery to protect it from scratching or puncturing membrane, membrane flashing or absorbing moisture from the surrounding terrain or deck.
- .2 Store all materials in waterproof covered trailers.
- .3 Store caulking at +5°C minimum.
- .4 Handle and store products in a manner to prevent damage and deterioration.
- .5 Remove and replace damaged products at own expense and to the satisfaction of the Quality Observer and Consultant.
- .6 Maintain fire watch for two hours after each day where soldering operations were in use and examine all flashings with an infrared thermal fire scanner as manufactured by Rayteck and supplied by Lexcor or an approved equal prior to departing from the site.
- .7 Apply materials in accordance with the manufacturer's recommendations.

1.7 WARRANTY

.1 The Contractor shall supply the Owner with a five (5) year material and workmanship warranty on Contractor letterhead.

1.8 QUALITY ASSURANCE OBSERVATION

.1 IRC Building Sciences Group, hereafter known as "Observer", is an independent Quality Assurance Observation agency appointed by Owner to observe the installation of downspouts.

PART 2 - PRODUCTS

2.1 MANUFACTURER

.1 Contractor supplied roll forming machine, as pre-approved at the point of Tender with Consultant.

2.2 DOWNSPOUTS

- .1 Round downspout fabrication:
 - .1 Size: 76mm (3").
 - .2 Length: 3,048mm (Standard 10').
 - .3 Profile: Plain Round.
 - .4 Material Thickness: Schedule 40 3.3mm (0.133").
 - .1 Colour: White, or as selected by Owner.

2.3 ACCESSORIES

- .1 Downspouts:
 - .1 Downspout Support:
 - .1 Exposed strap.
 - .2 Colour: Match Downspout.
- .2 Miscellaneous downspout components: Provide all necessary PVC elbows, downspout offset sections, and pop rivets as required for a complete installation. All miscellaneous components shall match existing downspouts.
- .3 Fasteners:
 - .1 Stainless steel fasteners of sufficient length to penetrate minimum 1 inch into substrate.
- .4 Mechanical Seals: Flexible PVC coupler with metal hose clamps, 1056 series as manufactured by Fernco Connectors Ltd. of appropriate sizes for the work.
- .5 Flashing: As per Section 07 62 00 Prefinished Sheet Metal Flashing and Trim.
- .6 Sealants: As per Section 07 92 00 Joint Sealants.
- .7 Downspout Clean-out to fit and match downspouts' profile and colour.
- .8 Precast Concrete 11" x 24" Splash Blocks with XPS insulation support pad below.

2.4 FINISH

- .1 Exterior Coating:
 - .1 As per Section 07 62 00 Flashing and Trim.
 - .2 Colour: As selected from manufacturer's standard color line.
 - .1 Owner to approve colour.

PART 3 - EXECUTION

3.1 PREPARATION

.1 Verify that substrates are in place and ready for installation of downspouts.

3.2 INSTALLATION

.1 General: Install Work securely in place and provide for expansion and contraction of components using lapped and sealed joints. Do not install damaged components.

3.3 DOWNSPOUTS:

- .1 Install downspouts, provide elbows and offsets, and secure downspouts to wall construction using downspout supports spaced no more than 3,048mm (10') on center. Maximum distance of downspout support from top or bottom of downspout shall be 610mm (2'). Tie into existing building perimeter drainage system (BPDS) or drain onto lower roofs. If no BPDS is in place, but one is required, notify the Consultant.
 - .1 Where downspout connects to building perimeter drainage system, lap downspout and perimeter drainage pipe a minimum of 76mm (3").

- .2 Clean-out shall be installed 24" from entrance to BPDS or roof level.
- .3 Fabricate and install a new transition pipe to attach new downpipe to existing sub surface drain as required.
- .4 Install downspouts from upper roofs and down to lower roofs.
 - .1 Install 90° elbow to direct water on to lower roofs.

3.4 CLEANING AND PROTECTION

- .1 Clean up and remove from job site on a daily basis, all rubbish and surplus materials resulting from this work.
- .2 Drag a magnetic bar across work area and grounds to ensure removal of all discarded fasteners and sharp metal debris.
- .3 Final cleaning:
 - .1 Remove temporary protection.
 - .2 Remove dust, dirt and foreign matter from surfaces.
 - .3 Broom clean paved exterior surfaces, rake clean other exterior surfaces.
 - .4 Ensure that all fasteners have been removed from roof and surrounding site. Clean all gutters and downspouts of debris generated as a result of this work.
 - .5 Remove full garbage bins immediately. Do not pile debris or garbage on project site.
 - .6 At end of project, landscaping to be repaired to match original conditions.

END OF SECTION - 07 62 13





VAPOR RETARDER **TEMPORARY ROOF**

Roll Length	Min: 134 ft (40.84 m)
Roll Width	Avg: 3.75 ft (1.47 m) Min: 3.73 ft (1.13 m)
Coverage	5.0 Square (46.68 m ²)
Top Surfacing	Tri-Laminate Woven Polyethylene
Back Surfacing	Silicone-Treated Polyolefin Release Film

SIPLAST SA VAPOR RETARDER

Commercial Product Data Sheet

Siplast SA Vapor Retarder is a self-adhesive vapor retarder sheet used in single and multi-ply roof systems. Siplast SA Vapor Retarder consists of a self-adhesive blend that is laminated to a tri-laminate woven polyethylene film top surface. The back of the sheet is lined with a split, silicone-treated polyolefin release film. Siplast SA Vapor Retarder is intended for use as a vapor retarder in insulated Siplast Roof Systems. The composition of Siplast SA Vapor Retarder allows for application beneath materials such as perimeter metal components that can reach high temperatures.

Contact Siplast for information on approved product uses.

PRODUCT INFORMATION

Application

Refer to the applicable Siplast Technical Guide for detailed application information and slope limitations. Siplast SA Vapor Retarder is lapped 3 inches (76 mm) side and end.



Storage and Handling

All Siplast roll roofing products should be stored on end on a clean, flat surface. Rolls should not be dropped on ends or edges or stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All roofing products should be stored in a dry place out of direct exposure to the elements and should not be double stacked. Material should be handled so that it remains dry prior to and during installation.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

Pallet: 44 in x 44 in (112 cm x 112 cm) wooden pallet Rolls Per Pallet: 25 Minimum Roll Weight: 78 lb (35.38 kg)

Listings, Approvals, & Certifications



Current copies of all Siplast Commercial Product Data Sheets & Safety Data Sheets are posted on our website at www.siplast.com Rev Date 6/2022

SIPLAST SA VAPOR RETARDER

Physical and Mechanical Properties



U.S. TEST STANDARDS

Property (as Manufactured)	Values / Units	Test Method
Thickness (minimum)	32 mils (0.81 mm)	ASTM D1970
Thickness (average)	31 mils (0.78 mm)	ASTM D1970
*Peak Load @ 73.4°F (23°C) (average)	70 lbf/inch (0.095 kN/m)	ASTM D5147
Weight per ft ² (minimum)	0.155 lb/sf (0.021 kg/m ²)	N/A
Cold Bend (minimum)	-22°F (-30°C)	ASTM D5147
Static Puncture	90 lbf (400 kN)	ASTM D154
Lap Adhesion (after one day)	24 lbf/ft (0.033 kN/m)	ASTM D1876
*Tear Strength (average)	95 lbf (422.2 kN)	ASTM D5147
Water Absorption (maximum)	0.01%	ASTM D5147
Peel Resistance on Steel @ 50°F25 (10°C) (minimum)	25 lbf/ft (0.034 kN/m)	ASTM D903
Adhesion to Plywood (minimum)	16 lbf/ft (0.022 kN/m) @ 40°F 20 lbf/ft (0.027 kN/m) @ 70°F	ASTM D1970
Coating Thickness – Back Surface	≥23mils (0.58 mm)	ASTM D1970
Water Vapor Permeance (maximum)	0.03 perms	ASTM E96
Air Permeability	0.001 L/s m ²	ASTM E2178
*The value reported is the lower of either MD or XD.		