**Bid Proposal: Louver finishes and accessories**

1. **Finishes**: The visible parts will be:
   1. Mill finish

**OR**

* 1. Coated with polyurethane acrylic paint:

Meets the AAMA-2604 standard, architect's choice of colour, chrome phosphate conversion pre-treatment, all with a 5-year warranty.

**OR**

* 1. Coated with a thermosetting Super Durable Liquid paint:

Meets the AAMA-2604 standard, architect's choice of colour, chrome phosphate conversion pre-treatment, all with a 10-year warranty.

**OR**

* 1. Coated with Duranar baked enamel:

Made from inert fluorocarbon resin paint KYNAR 500 (70 %). Meets the AAMA-2605 standard, architect's choice of colour, all with a 20-year warranty.

**OR**

* 1. Coated with Duranar XL baked enamel:

Made from inert fluorocarbon resin paint KYNAR 500 (70 %) with a layer of XL varnish. Meets the AAMA-2605 standard, architect's choice of colour, all with a 20-year warranty.

**OR**

* 1. 10 micron clear anodized finish:

Minimum thickness of 0.4 mils (10 microns) according to AAM12C22A31.[[1]](#footnote-1)

**OR**

* 1. 18 micron clear anodized finish:

Minimum thickness of 0.7 mils (18 microns) according to AAM12C22A41.1

**OR**

* 1. Colour Anodized finish:

Minimum thickness of 0.7 mils (18 microns) according to the AAM12C22A44 standard, in the standard colours chart.1

1. **Birdscreens (active louvers)**: the inside of the louvers will be covered by:
   1. Galvanized steel birdscreen:

12 x 12 mm (0.5 x 0.5”) mesh and 0.81 mm (0.032”) gauge

**OR**

* 1. Stainless steel birdscreen:

12 x 12 mm (0.5 x 0.5”) mesh and 1.19 mm (0.047”) gauge

**OR**

* 1. Expanded aluminum birdscreen:

15 x 30.5 mm (0.59 x 1.20”) pattern and strip thickness of 1.27 x 1.14 mm (0.05 x 0.045”)

**OR**

* 1. Woven aluminum birdscreen:

12 x 12 mm (0.5 x 0.5”) mesh and 1.27 mm (0.050”) gauge

**OR**

* 1. Woven aluminum mosquito net:

7.1 x 6.3/cm2 (18 x 16/in2) mesh and 0.30 mm (0.012”) gauge

**OR**

* 1. Fiberglass mosquito net:

7.1 x 6.3/cm2 (18 x 16/in2) mesh and 0.30 mm (0.012”) gauge

**OR**

* 1. Nylon mosquito net:

7.1 x 6.3/cm2 (18 x 16/in2) mesh and 0.30 mm (0.012”) gauge

**WITH OR WITHOUT**

* 1. Birdscreen/mosquito net frame:

1.6 mm (0.064”) thick extruded aluminum installed inside the louver.

1. **Shutter (inactive louver)**: The inside of the louvers will be covered with:
   1. Non-Insulated blankoff panel:

Made from a 0.8 mm (0.032 ") aluminum sheet finished on the visible side only.

**OR**

* 1. Insulated blankoff panel:

Offers an R8 efficiency factor. Composed of CURTAINROCK 51 mm semi-rigid wool between two 0.8 mm (0.032”) aluminum sheets. The blankoff panel will be finished on the visible side only.

1. **Special External Execution (SEPE) fastening method:**
   1. To install louvers outside the building, the louvers must be divided into sections and equiped with either **Cométal-SEPE-A**, **Cométal-SEPE-B**, or **Cométal-SEPE-C** fastening components. The sections will be divided as recommended by Cométal. This system must be designed and certified by an engineer who is a member in good standing of the “Ordre des ingénieurs du Québec”.
2. **Louver Doors**
   1. With frame

A hinged single or double louver door will be supplied with an extruded aluminum doorframe from Cométal. It will be equipped with an exterior handle, stainless steel hinges, and a padlock-style lock.

* 1. Concealed

A hinged single or double louver door will be supplied with an extruded aluminum doorframe for a continuous blade effect. It will be equipped with an exterior handle, stainless steel hinges, and a padlockable lock.

* 1. Hydro-Québec annex room

The CAH model manufactured by "Cométal" meets the Hydro-Quebec E.21-11 standard for a Hydro-Quebec annex room door. Following these regulations, the annex room is fitted with a door consisting of two hinged louvers with a stainless steel hinge. The minimum dimensions of the door are 2.45 m wide and 2.3 m high. The door includes a removable sill, 2.45 m wide and 150 mm high. Louver doors are equipped with a padlockable stainless steel handle and a zinc lock, and two spring latches (inside the door) with locking devices in the upper frame and the sill. One of the doors must be mobile at all times, while the other may remain fixed in the closed position. To keep the two louver doors open at 180 degrees, eyelets are installed on each door and two hooks are attached to the exterior wall.

1. **Adjustable louvers**
   1. Assembly
   2. To ensure good performance, the louvers are divided into modules not exceeding 914 mm (36”) wide by 1524 mm (60”) high. All aluminum components are assembled mechanically using screws. Welding must be avoided to maintain the mechanical properties of the aluminum, and the quality of the anodization.

Pivots: The blades are connected to the frames using KP-10R galvanized steel pivots mounted on nylon bearings.

Supports: BKP-25 supports connect to the blade midpoint with a 6.35 mm diameter aluminum rod.

Trims: Stainless steel weatherstripping is positioned between the blades and the side frames.

* 1. Activation system:

Movement of the louver modules are activated by:

Motorized operation

**OR**

Manual operation using a K-8 adjustment key in the frame of the louver module

**OR**

Manual operation using a chain placed in the center of the louver module

1. \*\*\* Please note, this process may result in colour variations and may be restricted by product dimensions. \*\*\* [↑](#footnote-ref-1)