**Bid Proposal : typical visual screen**

All components of the visual screen will be made of aluminum extrusion.

1. **Blades :**
   1. The blades will be model [enter the chosen model here] in extruded aluminum alloy 6063-T6 or

6061-T6. These blades will be positioned so as to meet the visual appearance sought by the architect.

1. **Supports :**
   1. The supports will be in

*aluminum plate with a thickness of 6.35 mm (¼") and a profile according to the architect's drawings*

**OR**

*double “Cométal 4U” frame forming a 101.6 x 38.1 mm (4” x 1½”) tube*

**OR**

*double "Cométal 6U" frame forming a 1*52.4 x 76.2 mm (6" x 3") tube

**OR**

*double "Cométal 8U" frame forming a* 203.2 x 76.2 mm (8" x 3") tube

The modules will be supplied in the required dimensions so as to adapt perfectly to site conditions. These modules must be cut to take into account the span of the blades, transport and handling on site.

1. **Corners:**
   1. Bevelled corners:

The blades will be miter cut and mechanically assembled in the shop to form a perfect bevelled corner.

**OR**

Covered corners:

Corner covers are made using sheet aluminum (alloy 3003/5005-H14) with a minimum thickness of 1.30 mm. They are attached mechanically using screws.

1. **Porte-persienne**
   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. **Assembly :**
   1. The modules will be supplied in the required dimensions so as to adapt perfectly to site conditions. These modules must be cut to take into account the span of the blades, transport and handling on site.
   2. The assembly of all aluminum components will be done mechanically using screws. Welding should be avoided in order to maintain the mechanical properties, as well as the anodic quality of the aluminum.
2. **Finish :** 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 microns clear anodized finish :

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

**OR**

* 1. 18 microns 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. **Installation :**
   1. The visual screen must be installed square and following the manufacturer's recommendations.

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