**PART 1 GENERAL**

**1.1 RELATED SECTIONS**

.1 Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

.2 Section 01 81 13 - Sustainable Design Requirements

.3 Section 01 81 19 - Indoor Air Quality Requirements

.4 Section 09 20 00 (09250) - Plaster and Gypsum Board

.5 Section 09 51 13 (09500) - Acoustical Fabric-Faced Panel Ceilings

.6 Section 09 51 33.13 - Acoustical Snap In Metal Pan Ceiling

.7 Section 09 53 00 (09500) - Acoustical Ceiling Suspension Assemblies

.8 Division 23 - HVAC Air Distribution

.9 Division 26 - Electrical

**1.2 REFERENCES**

 .1 American Society for Testing and Materials (ASTM)

.1 ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials

.2 ASTM E580 - Installation of Metal Suspension Systems in Areas Requiring Moderate Seismic Restraint

#### .2 ASTM D958 - Practice for Determining Temperatures of Standard ASTM Molds for Test Specimens of Plastics

#### .3 ASTM E2768-11 – Standard Test Method for Extended Duration Surface Burning Characteristics for Building Materials (30 min Tunnel Test). Results: Zero Flame Spread, Smoke Developed Index of 5. Meets criteria for Class A fire rating

#### .4 ASTM E136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C

#### .5 ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method (NRC)

#### .6 ASTM E1477 - Standard Test Method for Luminous Reflectance Factor of Acoustical Materials by Use of Integrating-Sphere Reflectometers (LRV)

.2 UL & Underwriters Laboratories of Canada (UL/ULC)

.1 UL 723, Standard Method of Test for Surface Burning Characteristics of Building Materials.

.2 CAN/ULC S102, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

.3 CAN/ULC S114, Standard Test Method for determination of non-combustibility in building materials.

.3 American Architectural Manufacturers Association (AAMA)

#### .1 AAMA 2605 Voluntary Specification, Performance requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.

#### .2 AAMA 2604 - Voluntary Specification, Performance requirements and Test Procedures for High Performing Organic Coatings on Aluminum Extrusions and Panels.

.3 AAMA 2603 - Voluntary Specification, Performance requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.

.4 International Code Council Evaluation Service (ICC-ES)

 .1 ICC-ES Evaluation Report

**1.3 SUBMITTALS**

.1 Product data: submit manufacturer's printed product literature, specifications and data sheet.

### .2 Submit duplicate 1-⅝” X 4 inch X 6 inch (41mm X 102mm X 150mm) samples of ceiling baffle material, of color and profile specified.

### .3 Shop drawings to indicate dimensions, profiles, attachment methods, schedule of wall elevations, trim and closure pieces, soffits, fascia, metal furring, and related work.

### .4 Certifications: Manufacturer's certifications that products comply with specified requirements, including laboratory reports showing compliance with specified tests and standards.

### .5 LEED Submittal Data: Manufacturer’s product data for each product specified in this section per ecoscorecard.com.

### .6 Submit manufacturer’s installation instructions.

**1.4 LEED**

 .1 Category - Material & Resources

#### .1 MR Credit 2.1, 2.2 - Construction Waste Management Divert 50% or 75% from disposal

### .2 Category – Indoor Environment Quality

#### .1 EQ Credit 4.1 to 4.6 – Low Emitting Materials

### .3 Category – Innovation and Design Process

#### .1 ID Credit – Biophilic Design

## **1.2** **WARRANTY**

### .1 Provide a written guarantee, signed and issued in the name of the owner, covering the metal ceiling material for 15 (fifteen) years from the date of Substantial Completion.

### .2 The manufacturer's warranty is limited to replacement of defective material only, rather than installation of the same. Faulty installation shall be corrected by the installing contractor. The warranty required herein is the sole remedy against the manufacturer and there are no other implied warranties. In any event, the manufacturer shall not be liable for incidentals or consequential damages.

# **PART 2** **PRODUCTS**

## **2.1** **ALUMINUM BAFFLES AND COMPONENTS**

### .1 1-⅝” X 4 inch (41mm X 102mm) Dauntless Ceiling Baffle extruded aluminum 6063-T5

#### .1 Finish coating: powder coated finish

#### .2 Color: color selected by Owner’s Representative.

#### .3 Gloss: 30 ± 5.

#### .4 Thickness: 1/16 inch (2mm) base metal thickness.

#### .5 Profile: 1-⅝” X 4 inch (41mm X 102mm), 24 ft (7315.2mm) baffle.

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## **2.2** **ACCESSORIES**

### .1 1-½” Side Rail, Ceiling Baffle Hanger Bracket, Baffle Spline

### .2 Baffle End Caps with matching powder-coated finish.

## **2.3** **MANUFACTURERS**

### .1 Longboard Architectural Products #120 - 1777 Clearbrook Rd.

### Abbotsford, BC, Canada V2T 5X5

###  info@longboardproducts.com

###  1.800.604.0343

###

### **PART 3** **EXECUTION**

## **3.1** **INSTALLATION**

### .1 Install baffles in accordance with manufacturer's written instructions

### .2 Attach baffles in a manner not restricting thermal movement.

## **3.2** **CLEANING**

### .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

**END OF SECTION** 09 51 00