PART 1 GENERAL

1.1 RELATED SECTIONS

.1 Section 05 40 00 – Cold-Formed Metal framing: Metal framing for support of aluminum soffits.

.2 Section 01 74 21 – Construction/Demolition Waste Management and Disposal.

.3 Section 06 10 00 - Rough Carpentry.

.4 Section 07 62 00 – Sheet Metal Flashing and Trim.

.5 Section 07 92 00 - Joint Sealants.

1.2 REFERENCES

 .1 American Society for Testing and Materials (ASTM)

.1 ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials

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

#### .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

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

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

1.3 SUBMITTALS

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

### .2 Submit duplicate 4 inch X 6 inch (102mm x 150mm) samples of cladding 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.

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### .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 – Indoor Environment Quality

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

## 1.2 WARRANTY

### .1 Provide a written guarantee, signed and issued in the name of the owner, covering the metal cladding/cladding material for 25 (twenty-five) 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 CLADDING AND COMPONENTS

### .1 6-inch (152mm) V-Groove planks extruded aluminum 6063 T5

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

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

#### .3 Gloss: 10 ± 5.

#### .4 Thickness: 1/16 inch (1.57mm) base metal thickness.

#### .5 Profile: 6-inch (152mm) V-Groove X 12 ft (3658 mm) plank

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## 2.2 ACCESSORIES

.1 J STARTER STRIP, J-MOLD, WINDOW J-MOLD, H-MOLD, INSIDE CORNER, OUTSIDE CORNER, in same material and painted finishes to match cladding.

.2 SS25 Screws 316 Stainless steel that are shipped by 1,000pcs for field installation.

## 2.3 MANUFACTURERS

### .1 Lynx Designs

###  4035 Cheyenne Ct, Chino, CA 91710

 info@lynx-designs.com

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### PART 3 EXECUTION

## 3.1 ORDERING, DELIVERY, STORAGE AND HANDLING

### .1 Ordering: Conform to manufacturer’s ordering instructions and lead time requirements to avoid construction delays

### .2 Deliver materials and components in manufacturers’ unopened containers or bundles. Prevent damage during unloading, storing and installation

### .3 Store, protect and handle materials and components in accordance with manufacturer’s recommendations to prevent twisting, bending, mechanical damage, contamination and deterioration

### .4 Stack metal cladding horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal cladding to ensure dryness, with positive slope for drainage of water. Do not store metal cladding in contact with other materials that might cause staining, denting, or other surface damage

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## 3.2 INSTALLATION

### .1 Install cladding and components in accordance with manufacturer's written instructions and shop drawings, including product technical bulletins and datasheets

### .2 Install all cladding planks using SS25 screws in accordance with the manufacturer's written instructions, technical bulletins, datasheets and install videos to not restrict thermal movement at specified o.c. spacings. Install screws in pre-punched holes. Install one (1) hard-fastened screw per plank, directly through the plank flange to prevent plank migration. All fasteners should penetrate into solid, secure framing or blocking

### .3 Install components in accordance with the manufacturer's written instructions and shop drawings, including technical bulletins, datasheets and install videos with positive anchorage to building and provide for thermal movement

### .4 Install screw fasteners using power tools having controlled torque adjusted to compress SS25 screws snug without slip thru, damage or deformation of the plank, screw heads, screw threads or cladding

### .5 Hard-fasten any and all butt-joints into solid secure framing or blocking, to maintain tight fitting hairline joints. Never exceed one (1) hard-fastener per plank, all other attachment points to use Quick-Screen Clips to not restrict thermal movement

### .6 Do not install damaged panels; repair or replace as required

## 3.3 CLEANING

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

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**END OF SECTION** 07 46 16