PREFABRICATED ALUMINUM COVERED WALKWAY CANOPY

PART 1 – GENERAL

1.1 References
1.1.1 International Building Code (IBC) for all applicable snow and wind load requirements.

1.2 Submittals
1.2.1 Shop Drawings: detailed shop drawings to be submitted upon receipt of purchase order including:
    1.2.1.1 Overall layout dimensions
    1.2.1.2 Footer layout drawings when requested
1.2.2 Warranty Statement must be submitted with bid.
1.2.3 Engineering: Professional Engineering sealed drawings to be submitted when requested.

1.3 Quality Assurance
1.3.1 Acceptable manufacturer: Upside Innovations, LLC, 5470 Spellmire Dr., West Chester, OH 45246. Phone: (513) 889-2492; Fax: (513) 672-2124 or a contract manufacturer as approved by the Upside Innovations, LLC, Supplier Quality Review process.
1.3.2 Aluminum welding will be in accordance with ANSI / AWS D1.2/D1.2M: 2008. Welding must be performed solely with Pulsed Gas Metal Arc Welding (Pulse-MIG) processes or Gas Tungsten Arc Welding (TIG) processes by experienced operators.
1.3.3 All exposed surfaces must be free of sharp or jagged surfaces.
1.3.4 Warranty: Upside Innovations, LLC warrants its products to be free from defects in material and workmanship for a period of one year beginning at the date of delivery of product. This warranty excludes any defects resulting from abnormal use in installation, service, accidental or intentional damage or any occurrences beyond the manufacturer's control.

1.4 Materials
1.4.1 Aluminum decking is constructed of 3004-H36 aluminum alloy or 6063-T6 mill finish with powder coating.
1.4.2 To attach the canopy to a building with wood blocking, use 3/8" galvanized steel lag bolts. To attach the canopy to a concrete or brick building, use 3/8" galvanized steel sleeve anchors.
1.4.3 To secure canopy decking to the gutter system, use #12 X 1" galvanized steel Tek Screws.
1.4.4 Available decking options consist of aluminum Extruded Flat Pan or Roll Formed Flat Pan.
1.4.5 All anchors and lag bolts are galvanized steel. All Tek screws are galvanized steel.
1.4.6 Silicone sealant must be applied to joints for a watertight seal.
1.4.7 White powder coating is standard. Custom colors are available upon request.

1.5 Engineering
1.5.1 Aluminum canopy system is designed in accordance with the International Building Code's snow and wind requirements.

PART 2 – PRODUCT COMPONENTS

2.1 Canopy Decking
2.1.1 The decking options are Extruded Flat Pan (3" X 6" X .065") or Roll Formed Flat Pan (2.5" X 12" X .032").
2.1.2 Decking panels must be attached to the inner flange of the gutters with (2) #12 X 1" Tek screws at both ends.
2.1.3 Canopy decking is cut to custom lengths to accommodate the desired projection of the walkway canopy up to 5'.

2.2 Gutter System
2.2.1 All canopies are designed with an internal drainage system. The water is directed from the canopy decking into the gutter system that lines both sides of the canopy.

2.2.2   Canopy gutter has a 6" fascia and is 4" wide with a thickness of 0.100".

2.2.3   The gutter is cut to a specific length that is dependent on the canopy design.

2.2.4   Gutter sections are connected using a 12" long x 0.125" thick canopy gutter splice and (14) galvanized #12 Tek screws at each joint.

2.2.5   Gutter corners are made of 18" X 18" pre-welded aluminum corners and are connected to the gutters using 12" long x 0.125" thick gutter splices with (14) galvanized #12 Tek screws.

2.2.6   Canopy gutters that mount to a building utilize 3/8" lag bolts and flat washers every 18".

2.2.7   When the canopy is designed with back-to-back gutters, the gutters must be connected using (2) 3/8" X 1" stainless steel bolts every 18".

2.2.8   Scupper plates located on the sides of the canopy provide drainage out of the canopy gutter.