

Superior Metal Products LLC has been providing protective covers since 1984. We supply Architects, Engineers, Specifiers and General Contractors with exceptional products and services for their client's protective cover requirements. Our protective cover products can be shipped nationwide.

For additional information contact:

*Superior Metal Products LLC
116 Citation Court
Birmingham, Alabama 35209-6307
Phone 205-290-1115
Toll Free 877-445-1200
canopysales@superiormetalproducts.com*

This guide specification section is provided in CSI-format, and intended to be included in the Project Manual for a construction project. Edit this section following directions within Specifier notes for specific project requirements.

Specifier notes are in red font and italicized. Remove all Specifier notes.

Throughout section make selections within brackets [example] and remove brackets after selections are made.

SECTION 107300- PROTECTIVE COVERS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes complete pre-engineered [column][building][column and building] supported aluminum protective cover systems, including internal drainage system, fastening, and anchorage components of configuration indicated on Drawings.

1.2 PERFORMANCE REQUIREMENT:

- A. Structural Performance: Provide protective covers designed to withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to [ASCE/SEI 7][_____]. *Specifier: Fill in standard other than ASCE/SE17 if required by authority having jurisdiction. Confirm load requirements are on structural drawings if referring to them or list load requirements below.*

1. Live Loads: [As indicated on Structural Drawings][_____].
2. Roof Loads: [As indicated on Structural Drawings][_____].
3. Snow Loads: [As indicated on Structural Drawings][_____].
4. Seismic Loads: [As indicated on Structural Drawings][_____].
5. Wind Loads: [As indicated on Structural Drawings][_____].

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated, include construction details, material descriptions, dimensions of individual components and profiles, and finishes for protective covers.
- B. Shop Drawings: For protective covers, include plans, elevations, sections, details, and attachments to other work.
- C. Samples for Verification: For exposed finishes, in manufacturer's standard sizes.
- D. Delegated-Design: For protective covers indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation. Engineer must hold current license in project locations' state.

1.4 WARRANTY

Specifier: Manufacturer's standard warranty for finishes is one year. Only include the Special Warranty paragraph below if additional warranty years are desired. Additional warranty time means additional cost.

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair finish or replace protective cover components that show evidence of deterioration of factory-applied finishes within specified warranty period.
- B. Warranty Period: **Five** years from date of Substantial Completion.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Verify dimensions shown on drawings by taking field measurements to insure proper fit and attachment of component parts.

1.6 DELIVERY AND STORAGE:

- A. Deliver and store protective covers components in manufacturer's original packaging until time of installation.
- B. Protect protective covers components from damage (including corrosion, deformation, discoloration and deterioration).

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Subject to compliance with requirements, provide products manufactured by Superior Metal Products LLC, www.superiormetalproducts.com/ or comparable products by one of the following:
 - 1. Mapes, <http://www.mapes.com/>
 - 2. Perfection Architectural, <http://www.perfectionarch.com/>

3. Approved Substitute

2.2 MATERIALS

Specifier: Select either extruded, rollformed or decking "recommended by manufacturer as most cost effective." Extruded aluminum decking is heavier and will hold up better than rollformed, but costs more.

Specifier: Select profile for decking if there is a preference for appearance. Flush Deck and Flat Pan Decking provide fewer locations for birds and insects to nest.

- A. Decking - Extruded Aluminum: [Econo][Flush][Long Span] *Specifier: Maximum spans at 20 p.s.f load and L/60 deflection are: Econo (14'-8"), Flush (16'-2"), Long Span (20'-0").*
- B. Decking - Rollformed Aluminum: [16"x3" W-Plan][Insulated][12" x 3" Flat Pan]
- C. Decking: As recommended by manufacturer as most cost effective.
Specifier: Select either extruded or rollformed fascia/gutter. Rollformed has thinner metal, has a crimped (not smooth) face, is less durable than extruded, but costs less.
- D. Fascia/Gutter - [Extruded Aluminum][Rollformed Aluminum]: Provide sizes recommended by Delegated Design Engineer for proper drainage.
- E. Columns – Extruded Aluminum: *Specifier: Select one of 2 paragraphs below.*
 - 1. Provide sizes recommended by Delegated Design Engineer.
 - 2. Provide [3" x 3" x .125][4" x 4" x .125][6" x 6" x .188][8" x 4" x .250] unless larger size is required by Delegated Design Engineer.
- F. Beams – Extruded Aluminum: Provide sizes recommended by Delegated Design Engineer.
- G. Drain Beams – Extruded Aluminum: Provide sizes recommended by Delegated Design Engineer.
- H. Fasteners and Anchorage Components: Recommended and provided by protective cover manufacturer as required by delegated design.

2.3 FINISHES - FACTORY APPLIED

Specifier: Decking and protective cover components finishes can be different.

- A. Decking: [Baked enamel, [white][bronze][cream][tan][Clear anodized][Dark bronze anodized][Custom color to match Architect's sample]. *Specifier: Finishes are listed from least to most expensive. Custom color will be considerably more than standard offerings. Contact manufacturer for additional info on custom colors.*
- B. Protective covers Components (Fascia/Gutters, Columns, Beams): [Baked enamel, [white][bronze][cream][tan][Clear anodized][Dark bronze anodized][Custom color]]. *Specifier: Finishes are listed from least to most expensive. Custom color will be considerably more than standard offerings. Contact manufacturer for additional info on custom colors.*

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine existing site to confirm concrete block-out locations match shop drawings and that other conditions are acceptable for proper installation of protective covers.
 - 1. Proceed with erection only after unsatisfactory conditions have been corrected.

3.2 ERECTION

- A. Install protective covers:
 - 1. Following shop drawings and to manufacturer's written instructions.
 - 2. Accurately located, aligned, level plumb, and at correct elevations.
 - 3. With tight and clean connections.
 - 4. With components placed for proper drainage according to shop drawings.

3.3 CLEANING AND REPAIR

- A. Clean and repair dirty and damaged surfaces.
- B. Replace components that are damaged beyond repair.

END OF SECTION