



TFC Series 1000C
Division 5 or Division 9
ALUMINUM COMPOSITE PANEL COLUMN WRAPS

PART 1 – GENERAL

1.01 SUMMARY

- A. Aluminum Composite Column Cover System is as shown on drawings.
- B. Drawings and general provisions of the contract documents apply to the work of this section.

1.02 SUBMITTALS

- A. Manufacturer's Literature and Data:
 - 1. Product Data: Submit manufacturer's technical data for column covers required.
- B. Shop Drawings:
 - 1. Shop drawings shall show thickness, dimensions, sizes, joints, finishes, attachments, and relationship to adjoining work.
- C. Samples:
 - 1. Samples shall include a 12"x12" piece of each type of metal and finish specified.

1.03 QUALITY ASSURANCE

- A. Composite material manufacturer shall have a minimum of ten (10) years of experience in the manufacturing of this product.
- B. Composite material manufacturer shall be solely responsible for the application of material finish.
- C. Fabricator shall be approved by composite material manufacturer fabrication standards.
- D. Fabricator shall have a minimum of ten (10) years of experience in fabricating composite material.
- E. Field measurements shall be taken prior to the start of shop fabrication unless another agreement has been arranged. All field measurements should be done using 3D High Definition Laser scanning and point cloud data can be made available upon request.

1.04 DELIVERY, STORAGE, and HANDLING

- A. All materials shall be protected during fabrication, shipment, site storage, and erection to prevent damage to the column wraps from other trades.
- B. Column wraps should be unloaded and handled in a manner to prevent any warping, twisting, or surface damage.
- C. Do not store column wraps in contact with any other materials that might cause staining, denting, or any other surface damage.
- D. Retain manufacturer applied strippable protective covering on composite material for the period of column wrap installation.

1.05 WARRANTY

- A. The manufacturer of the composite material shall warrant the materials to be free of faults and that the warranty shall be extended by aluminum composite material manufacturer for the following:
 - 1. 20 year finish warranty
 - 2. 10 year panel integrity (delamination) warranty

- B. Fabricator/Installer agree to repair or replace components of column wrap system that fail in materials or workmanship within one (1) year of substantial completion.

PART 2 – PRODUCTS

2.01 MANUFACTURER

- A. Column covers shall be manufactured by TFC Canopy, 1107 North Taylor Road, Garrett, IN 46738 P:(800)832-3212 F:(260)357-6533 www.TFCCanopy.com
- B. Manufacturer shall use an attachment system that has been successfully completed on at least ten (10) projects within the past ten (10) years, utilizing system, materials, and techniques as specified.
- C. No Substitutions allowed.

2.02 SYSTEM

- A. Column cover system shall be TFC Canopy – Series 1000C: Aluminum composite material column cover with caulk joint reveals. No exposed fasteners or gaskets instead of caulk are acceptable.

2.03 MATERIALS

- A. Aluminum composite material shall be Alpolic (Mitsubishi Chemical) with PE or FR core as specified.
 - 1. Other acceptable composite material manufacturers include:
 - a. Alucobond – 3A Composites
 - b. Reynobond – Arconic
- B. Material thickness shall be 4mm PE (Standard) core.
 - 1. Fire-rated (FR) core is available if required based on application.
 - a. FR core is required to pass NFPA 285.
- C. Joint reveals to be sealed with Dow 795 Structural Silicone caulk.
 - 1. Manufacturer standard colors only. (No custom colors allowed)

2.04 FINISHES

- A. All finishes are to be baked-on PVDF finish and applied per AAMA standards. Finish shall be free of scratches and blemishes.
 - 1. Color to be selected from manufacturer's standard colors.
 - a. Warranty may vary depending on color selection.
 - b. Custom colors available for projects requiring over 1,000 square feet of composite material at an increased cost.

2.05 FABRICATION

- A. Height of round column covers shall not exceed ten (10) feet without a horizontal joint.
 - 1. Diameter of round column covers shall not be smaller than eight (8) inches.
- B. Column covers shall have a ½” vertical joint, and ½” horizontal joint when necessary.
 - 1. Horizontal joint may be substituted for a butt joint if desired.
- C. Column covers shall have an OPTIONAL kick plate at the bottom and/or beauty ring at the top if desired.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Protection of Column covers from damage by other trades before, during, and after installation is to be provided by the General Contractor.
- B. Clean all surfaces following installation.

END OF SECTION