

Architectural Metal Column Covers

PART 1 - GENERAL

1.1 SUMMARY

- A. Work of this section includes materials, accessories and related items for the complete installation of column covers.
- B. Related work specified elsewhere includes internal post structure for solid support of column covers.

1.2 SUBMITTALS

- A. Submit complete shop drawings indicating quantities, finishes, dimensions, and attachment relationships.
- B. Submit manufacturers product data, specifications and installation instructions.
- C. Submit color and finish samples to determine range of texture and consistency of color and finish to be expected in the finished work. Standard sample size shall be 3" x 3".

1.3 QUALITY ASSURANCE

- A. Manufacturer shall have a minimum of 5 years experience in manufacturing architectural metals.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver components in clearly marked containers and packages suitable for shipment of specified products so as to prevent finish damage in transit. Provide protective wrapping or film to provide protection.
- B. Store components in locations that will avoid damage from job-site traffic, moisture, stacking or other job-site contamination.
- C. Handle components to avoid racking, twisting, denting or scratching of finished surfaces.

1.5 WARRANTY:

- A. Provide manufacturer's warranty against defects in material and workmanship for a period of one year beginning on Date of Substantial Completion.

RETAIN OPTIONAL FINISH WARRANTY FOR FLUOROPOLYMER FINISH AT ADDITIONAL COST.

- B. Finish warranty: (Note: Warranty must be requested at time of quotation) Warrant fluoropolymer coating to remain free, under normal atmospheric conditions, from peeling, checking, cracking, chalking in excess of numerical rating of 8 when measured in accord with ASTM D4214, of fading in excess of 5 N.B.S. Units during warranty period. Warranty period shall be ** 5 ** 10 ** 20 ** years, beginning at Date of Substantial Completion.

NOTE: FLOUROPOLYMER WARRANTY IS ONLY AVAILABLE ON ALUMINUM COLUMN COVERS.
STEEL COLUMN COVERS WITH THIS COATING ARE NOT WARRANTED.

PART 2 - PRODUCTS

2.1 MANUFACTURER

SELECT PRODUCT SERIES FROM FOLLOWING:
ECONOMICAL BUTT JOINT - SERIES E.
REVEAL VERTICAL JOINT - SERIES R.
SOFT V BUTT JOINT, MECHANICAL - SERIES KS.
FIELD FINISHED, TAPED & SPACKLED JOINT - SERIES FF.
SMALL DIAMETER COLUMN COVERS- SERIES SD

- A. Acceptable products include column covers manufactured by: Fry Reglet Corporation, Series ** E. **SD.**
** R. ** KS. ** FF. **

FRY REGLET CORPORATION
1377 Stonefield Court
Alpharetta, GA 30004
Phone 800-955-2343 FAX 800-200-4379

2.2 PRODUCTS

A. SERIES E - ECONOMICAL BUTT JOINT

SELECT FROM THE FOLLOWING. PROVIDE CRITERIA FOR CUSTOM FINISH IF SELECTED.

1. Stainless steel: Type 304 stainless steel, complying with ASTM A789.
 - a. Thickness: ** 14 ** 16 ** gage.
 - b. Finish: ** Brushed #4. ** Polished #8. ** Custom. **
2. Aluminum sheet and plate: Type 3003-H14, 5005-H34 (anodized) or 5052-H32 alloy complying with ASTM B209.
 - a. Thickness: ** 0.090". ** 0.125". **
 - b. Finish: ** Clear anodized. ** Polyurethane paint. ** Kynar 500 Paint - Fluoropolymer. ** Enamel. **
** Primed for field finishing. **
 - c. Color: **As selected by Architect from manufacturer's standard color selections. ** OR
** Custom color selected by Architect**.
3. Galvanized steel: Commercial grade electro- galvanized steel meeting ASTM A525, Coating Designation A 40 or A-60 with surfaces chemically treated for paint adhesion in accord with ASTM D2092, Method A, crystalline zinc phosphate treatment.
 - a. Thickness: ** 14 ** 16 ** gage.
 - b. Finish: ** Primer ready ** Polyurethane. ** Powder Coated **
 - c. Color: **As selected by Architect from manufacturer's standard color selections** OR
** Custom color selected by Architect**.
4. Formed steel posts: SERIES E REQUIRES POSTS BE PROVIDED BY OTHERS,
OR POSTS CAN OPTIONALLY BE SUPPLIED BY FACTORY

MANUFACTURED UNITS:

- a. Configuration: ** Round. ** Racetrack. ** Oval. ** Three quarter-round. ** Half-round. **
Quarter round. ** Square. **

INSERT DIAMETER WHERE APPLICABLE. CHOOSE FROM THE FOLLOWING MINIMUMS. CONSULT FACTORY FOR OTHER DIAMETERS.

STAINLESS STEEL - 16 gage (8' tall)=12" 16 gage (12' tall)=15" 14 gage = 13"

PAINTLOCK STEEL - 16 gage (8' tall)=12" 16 gage (12' tall)=13" 14 gage = 12" ALUMINUM - 12".

- a. Diameter: ** _____. **
- b. Joint type: Vertical: Soft V Butt joint.
- c. Horizontal:
 1. Ceiling: ** Flush to ceiling. ** Adjustable inset reveal. ** Through ceiling. **
 2. Intermediate: ** Inset reveal joint. ** Butt joint with factory supplied alignment plates. **
- d. Floor: ** Flush to floor. ** Fixed inset base reveal. ** Adjustable inset base reveal **

FABRICATION

- a. Form column covers to specified dimensions and diameters as indicated on shop drawings.
- b. Column covers shall be self aligning with attachment clips at 18" o.c. to assure solid attachment to post structures.
- c. Form radii to achieve true and smooth curves as indicated.
- d. Provide column covers in sections a maximum 12' 0" tall per section.
Provide additional sections to achieve finished heights above 12' 0".
- e. Columns shall have no exposed fasteners unless specified.
- f. Provide additional bracing components as necessary to stiffen substructure and insure solid mid-span bracings and connections. (By others)

B. SERIES R - REVEAL VERTICAL JOINT

SELECT FROM THE FOLLOWING. PROVIDE CRITERIA FOR CUSTOM FINISH IF SELECTED.

1. Stainless steel: Type 304 stainless steel, complying with ASTM A789.
 - a. Thickness: ** 14 ** 16 ** gage.
 - b. Finish: ** Brushed #4. ** Polished #8. ** Custom. **
2. Aluminum sheet and plate: Type 3003-H14, 5005-H34 (anodized) or 5052-H32 alloy complying with ASTM B209.
 - a. Thickness: ** 0.090". ** 0.125". **
 - b. Finish: ** Clear anodized. ** Polyurethane paint. ** Kynar 500 Paint - Fluoropolymer. ** Enamel. ** Primed for field finishing. **
 - c. Color: ** As selected by Architect from manufacturer's standard color selections. ** OR ** Custom color selected by Architect. **
3. Galvanized steel: Commercial grade electro- galvanized steel meeting ASTM A525, Coating Designation A 40 or A-60 with surfaces chemically treated for paint adhesion in accord with ASTM D2092, Method A, crystalline zinc phosphate treatment.
 - a. Thickness: ** 14 ** 16 ** gage.
 - b. Finish: ** Primer ready ** Polyurethane. ** Powder Coated**
 - c. Color: ** As selected by Architect from manufacturer's standard color selections. ** OR ** Custom color selected by Architect. **
4. Extruded aluminum posts: 6063 allow, temper T5 meeting ASTM B221 and have minimum wall thickness of 0.120".
5. 1/2" x 1/2" square black anodized bar at reveals

MANUFACTURED UNITS:

- a. Configuration: ** Round. ** Racetrack. ** Oval. ** Three quarter-round. ** Half-round. ** Quarter round. ** Square. **

INSERT DIAMETER WHERE APPLICABLE. CHOOSE FROM THE FOLLOWING MINIMUMS. CONSULT FACTORY FOR OTHER DIAMETERS.

STAINLESS STEEL - 16 gage (8' tall)=12" 16 gage (12' tall)=15" 14 gage = 13"

PAINTLOCK STEEL - 16 gage (8' tall)=12" 16 gage (12' tall)=13" 14 gage = 12" ALUMINUM - 12".

- b. Diameter: ** _____. **
- c. Joint type: 1/2" x 1/2" reveal insert.
- d. Horizontal:
1. Ceiling: ** Flush to ceiling. ** Adjustable inset reveal. ** Through ceiling. **
 2. Intermediate: ** Inset reveal joint. ** Butt joint with factory supplied alignment plates. **
- e. Floor: ** Flush to floor. ** Fixed inset base reveal. **

FABRICATION

- a. Form column covers to specified dimensions and diameters as indicated on shop drawings.
- b. Provide column covers in sections a maximum 12' 0" tall per section.
Provide additional sections to achieve finished heights above 12' 0".
- c. Columns shall have no exposed fasteners unless specified.
- d. Provide additional bracing components as necessary to stiffen substructure and insure solid mid-span bracings and connections. (By others)

C . SERIES KS - SOFT V BUTT JOINT –

SELECT FROM THE FOLLOWING. PROVIDE CRITERIA FOR CUSTOM FINISH IF SELECTED.

1. Stainless steel: Type 304 stainless steel, complying with ASTM A789.
 - a. Thickness: ** 14 ** 16 ** gage.
 - b. Finish: ** Brushed #4. ** Polished #8. ** Custom. **
2. Aluminum sheet and plate: Type 3003-H14, 5005-H34 (anodized) or 5052-H32 alloy complying with ASTM B209.
 - a. Thickness: ** 0.090". ** 0.125". **
 - b. Finish: ** Clear anodized. ** Polyurethane paint. ** Kynar 500 Paint - Fluoropolymer. ** Enamel. ** Primed for field finishing. **
 - c. Color: **As selected by Architect from manufacturer's standard color selections. ** OR ** Custom color selected by Architect**.
3. Galvanized steel: Commercial grade electro- galvanized steel meeting ASTM A525, Coating Designation A 40 or A-60 with surfaces chemically treated for paint adhesion in accord with ASTM D2092, Method A, crystalline zinc phosphate treatment.
 - a. Thickness: ** 14 ** 16 ** gage.
 - b. Finish: ** Primer ready ** Polyurethane. ** Powder Coated **
 - c. Color: **As selected by Architect from manufacturer's standard color selections. ** OR ** Custom color selected by Architect**.
4. Formed steel posts: SERIES KS REQUIRES POSTS BE PROVIDED BY OTHERS,
OR POSTS CAN OPTIONALLY BE SUPPLIED BY FACTORY.

MANUFACTURED UNITS:

- a. Configuration: ** Round. ** Racetrack. ** Oval. ** Three quarter-round. ** Half-round. ** Quarter round. ** Square. **

INSERT DIAMETER WHERE APPLICABLE. CHOOSE FROM THE FOLLOWING MINIMUMS. CONSULT FACTORY FOR OTHER DIAMETERS.

STAINLESS STEEL - 16 gage (8' tall)=10" 16 gage (12' tall)=15" 14 gage = 13"

PAINTLOCK STEEL - 16 gage (8' tall)=10" 16 gage (12' tall)=13" 14 gage = 12" ALUMINUM - 12".

- a. Diameter: ** _____. **
- b. Joint type: Vertical: Soft V Butt joint with mechanical key slot design to hold covers in place.
- c. Horizontal:
1. Ceiling: ** Adjustable inset reveal. ** Through ceiling. **
 2. Intermediate: ** Inset reveal joint. ** Butt joint with factory supplied alignment plates. **
 - e. Floor: ** Flush to floor. ** Fixed inset base reveal. **

4. FABRICATION

- a. Form column covers to specified dimensions and diameters as indicated on shop drawings.
- b. Provide column covers in sections in a maximum 12' 0" tall per section.
Provide additional sections to achieve finished heights above 12' 0".
- c. Columns shall have no exposed fasteners unless specified.
- d. Provide additional bracing components as necessary to stiffen substructure and insure solid mid-span bracings and connections. (By others)

E. SERIES FF - FIELD FINISHED TAPED AND SPACKLED JOINT

SELECT FROM THE FOLLOWING. PROVIDE CRITERIA FOR CUSTOM FINISH IF SELECTED.

1. Aluminum sheet and plate: Type 3003-H14 or 5052-H32 alloy complying with ASTM B209.
 - a. Thickness: ** 0.090". ** 0.125". **
 - b. Finish: Primed for field finishing.

** OR **

2. Galvanized steel: Commercial grade electro- galvanized steel meeting ASTM A525, Coating Designation A 40 or A-60 with surfaces chemically treated for paint adhesion in accord with ASTM D2092, Method A, crystalline zinc phosphate treatment.
 - a. Thickness: ** 14 ** 16 ** gage.
 - b. Finish: Primer ready
3. Formed steel posts: Minimum 18 gage hot-dip galvanized or electro-galvanized steel posts are optionally available from factory

MANUFACTURED UNITS:

- a. Configuration: ** Round. ** Racetrack. ** Oval. ** Three quarter-round. ** Half-round. ** Quarter round. ** Square. **

INSERT DIAMETER WHERE APPLICABLE. CHOOSE FROM THE FOLLOWING MINIMUMS. CONSULT FACTORY FOR OTHER DIAMETERS.

PAINTLOCK STEEL - 16 gage (8' tall)=10" 16 gage (12' tall)=13" 14 gage = 12"

ALUMINUM - .090" (8' tall)=10" .090" (12' tall)= 12" .125" (12' tall)=11"

- a. Diameter: ** _____. **
- b. Joint type: Monolithic field finished, taped and finished.
- c. Horizontal:
 1. Ceiling: ** Flush to ceiling. ** Adjustable inset reveal. ** Through ceiling. **
 2. Intermediate: ** Inset reveal joint. ** Butt joint with factory supplied alignment plates. **
- e. Floor: ** Flush to floor. ** Fixed inset base reveal. **

FABRICATION

- a. Form column covers to specified dimensions and diameters as indicated on shop drawings.
- b. Provide column covers in sections a maximum 12' 0" tall per section.
Provide additional sections to achieve finished heights above 12' 0".
- c. Columns shall have no exposed fasteners unless specified.
- d. Provide additional bracing components as necessary to stiffen substructure and insure solid mid-span bracings and connections. (By others)

F. SERIES SD – SMALL DIAMETER COLUMN COVERS

SELECT FROM THE FOLLOWING. PROVIDE CRITERIA FOR CUSTOM FINISH IF SELECTED.

1. Aluminum sheet and plate: Type 3003-H14, 5005-H34 (anodized) or 5052-H32 alloy complying with ASTM B209.
 - a. Thickness: ** 0.090". ** 0.125". **
 - b. Finish: ** Clear anodized. ** Polyurethane paint. ** Kynar 500 Paint – Fluoropolymer**
** Enamel. ** Primed for field finishing. **
 - c. Color: **As selected by Architect from manufacturer's standard color selections. ** OR
** Custom color selected by Architect**.
2. Formed steel posts: SERIES SD REQUIRES POSTS BE PROVIDED BY OTHERS,
OR POSTS CAN OPTIONALLY BE SUPPLIED BY FACTORY.

MANUFACTURED UNITS:

- a. Configuration: ** Round. ** Half-round. **
- b. Diameter: ** 8" ** 9" ** 10" ** 11" ** 12" **
- c. Joint type: Vertical: Butt joint with interlocking clips.
- d. Floor: Flush to floor.

FABRICATION

- a. Form column covers to specified dimensions and diameters as indicated on shop drawings.
- b. Provide column covers in sections a maximum 8' 0" tall per section..
Provide additional sections to achieve finished heights above 8' 0".
- c. Columns shall have no exposed fasteners unless specified.
- d. Provide additional bracing components as necessary to stiffen substructure and insure solid mid-span bracings and connections. (By others)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine job-site conditions for conditions that may adversely affect installation of column covers.
- B. Verify dimensions of column covers prior to installation to assure compatibility with job-site conditions.
- C. Verify post structure is plumb, level, and parallel prior to installation of column covers.
- D. Visually examine finished surfaces to assure that blemished or dented surfaces are not present prior to installation.

3.2 PREPARATION

- A. Verify/coordinate with other trades prior to installation insofar as they are affected by column cover installation.

3.3 INSTALLATION

- A. Install components in accord with manufacturer's installation instructions and approved shop drawings.
- B. Anchor components to related structures such as floors, walls and beams as indicated on approved shop drawings. Use anchors with holding strength to provide a solid installation. Use only plated, galvanized or stainless steel anchors.

3.4 CLEANING

- A. Remove protective coverings and clean column covers to remove adhesives and tape residue. Test all solvents on non-exposed surfaces prior to use.
 1. For painted surfaces, use a mild detergent solution on a soft cloth.
 2. For stainless steel, use a glass cleaner and a soft cloth.
 3. For other surfaces, contact manufacturer for proper cleaning procedures.
- B. Visually inspect all exposed surfaces for scratches or blemishes.
- C. Protect column covers from damage during remainder of construction period.

END OF SECTION