

SECTION 09270

GYPSUM BOARD ACCESSORIES

PART 1 - GENERAL

1. SUMMARY

- A. Work of this section includes materials, accessories and related items for complete installation of \*\* light coves, \*\* large radius shapes \*\* reflectors \*\*and barrel vaults. \*\*

1.2 SUBMITTALS

- A. Submit complete shop drawings indicating quantities, finishes, dimensions, and attachment relationships.
- B. Submit manufacturer's 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 to be 6" x 6".

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 minimize 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.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Light coves: Acceptable products include Fry Reglet Corporation, Light Coves Series \*\*SA. \*\* WA. \*\* WM. \*\* Custom. \*\*
- B. Shapes for curved walls:
  - 1. Acceptable products include Fry Reglet Corporation, Large Radius Shapes for Curved Walls.

SELECT FROM THE FOLLOWING.

- 2. Configurations and flanges:
  - a. Half Circle with tangent flanges.
  - b. Half Circle with one perpendicular and one tangent flange.
  - c. Half circle with two perpendicular flanges.
  - d. Quarter Circle with tangent flanges.
  - e. Quarter Circle with one perpendicular and one tangent flange.
  - f. Quarter Circle with two perpendicular flanges.

- C. Vaulted ceilings: Acceptable products include Fry Reglet Corporation, Vaulted Ceilings Series  
\*\* NF. \*\* WS. \*\*

Fry Reglet Corporation  
405 N. 75th Avenue  
Bldg. 2, Suite 134  
Phoenix, AZ 85043

Local Contact: Arcspec, 225 Peterson Rd., Libertyville, IL 60048, phone: 847-362-1590,  
fax: 847-362-1557

## 2.2 MATERIALS

### RETAIN ONE OF THE FOLLOWING.

- A. Galvanized steel: Commercial grade electro- galvanized steel meeting ASTM A525, Coating Designation A-60 with surfaces chemically treated for paint adhesion in accordance with ASTM D2092, Method A, crystalline zinc phosphate treatment.

\*\* OR \*\*

- A. Aluminum sheet:  
1. Type: 3003 H-14 or 5052-H32 alloy aluminum sheet complying with ASTM A789.
- B. Finish: Primed for field finishing. Primer shall be compatible with common interior drywall tapes, spackles, caulks, and paint finishes.

## 2.3 MANUFACTURED UNITS

- A. Light coves and ceiling reflectors:  
1. Fabricate of \*\* 0.090" aluminum, \*\* prime painted. \*\*  
2. Edges shall be offset and punched for taped and spackled finishes.
- B. Large radius shapes for curved walls:  
1. Fabricate of \*\* 0.90" \*\* 0.125 aluminum. \*\* 16 \*\* gauge galvanized steel.  
2. Custom curve to exact radius indicated on approved shop drawings.  
3. Edges shall be offset and punched for taped and spackled finishes.
- C. Vaulted ceilings:  
1. Primed ceiling panels shall have tangent or perpendicular flanges for screwing to wall or underside of soffit for field finishing.  
2. Pre-finished ceilings shall have right angle flanges to rest on top of finished wall and for attaching to framing.  
3. Provide factory attached clips for connecting to walls or soffits on either side.

## 2.4 FABRICATION

- A. Form components to dimensions and diameters indicated on approved shop drawings.  
B. Form radii to achieve true and smooth curves as indicated on approved shop drawings.  
C. Components shall be in a maximum one-piece section of 12'-0" long.  
D. Provide components in primed or paint ready finish for final finishing in field.  
E. Parts shall have a continuous perforated tape fin to allow for tape and spackle joints and a seamless appearance, except as otherwise specified or indicated.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine job-site conditions for conditions that may adversely affect installation of \*\* light coves, \*\* large radius shapes \*\* and barrel vaults. \*\*
- B. Verify dimensions of \*\* light coves, \*\* large radius shapes \*\* and barrel vaults \*\* prior to installation to assure compatibility with job-site conditions.
- C. Visually inspect 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 \*\* light cove, \*\* large radius shape \*\* and barrel vault \*\* reflector \*\* installation.

### 3.3 INSTALLATION

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

### 3.4 CLEANING

- A. Remove protective coverings (if any) and clean components to remove adhesives and tape residue.
  - 1. Test all solvents on non-exposed surfaces prior to use.
  - 2. For painted surfaces use a mild detergent solution on a soft cloth.
- B. Visually inspect exposed surfaces for scratches or blemishes
- C. Protect components from damage during remainder of construction period.

END OF SECTION