

SECTION 05 70 00
DECORATIVE METAL PANELS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specifications Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Architectural Decorative Panels

1.3 COORDINATION

- A. Coordinate installation of anchorages for decorative metal items. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

1.4 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product, including finishing materials.
- B. Shop Drawings: Show fabrication and installation detail for decorative metal panels.
 - 1. For each type of panel and accessory, showing material, thickness, dimensions, cutouts and penetrations, finish, open percentage, and other information necessary to describe work.
 - 2. Size and spacing of fasteners, mounting components, and other panel attachment devices.
 - 3. Panel Layout Drawings: Show panel layout and method of support.
- C. Samples for Initial Selection: For products involving selection of color, texture, or design, including mechanical finishes.
- D. Samples for Verification: For each type of exposed finish required, prepare 6-inch – (150mm) square samples of metal of same thickness and material indicated for the Work.

1.6 QUALITY ASSURANCE

- A. Fabricator Qualifications: A firm experienced in producing decorative metal similar to that indicated for this Project and with a record of successful in-service performance as well as sufficient production capacity to produce the required units.

- B. Installer Qualifications: Experienced Installer with a record of successful installations of similar type and size to that specified.
- C. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
 - 1. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver decorative metal products wrapped in protective coverings and strapped together. Remove protective coverings before they stain or bond to finished surfaces.
- B. Store products on elevated platforms in a dry location.

1.8 WARRANTY

- A. We hereby certify that the products fabricated by KorFab, LLC for the above referenced project have been manufactured in full accordance with the drawings and specifications provided to KorFab, LLC.
- B. KorFab, LLC hereby warrants, one (1) Year from the date of delivery or pickup noted above, without reservations or exceptions that to the best of our knowledge, information, and belief, all work is reasonably in accordance with the

drawings and specifications; and all work is in accordance with applicable laws, codes, ordinances.

- C. Maintenance procedures must be adhered to and documented for the warranty to be valid.
- D. This warranty excludes remedy for damage or defect caused by abuse, alterations to the product, improper or insufficient maintenance, improper operation, or normal wear and tear under normal usage.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: KorFab, which is located at: 23724 N Central Ave.; Phoenix, AZ 85024; Tel: 602-309-2009; Email: sales@korfab.us; Web: <https://www.korfab.us>
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with the provisions of Section 1 60 00.

2.2 METAL PANELS

- A. Basis of Design: Architectural metal panels manufactured by KorFab.
- B. Material Choice:
 - 1. Aluminum: 5052-H32 (standard)
 - 2. Mild Steel: A36

3. Corten Steel
- C. Architectural Panel Size:
1. 29" x 38"
 2. 58" x 38" (standard)
 3. Custom (as indicated on Drawings)
- D. Architectural Panel Thickness:
1. 1/8" (Standard)
 2. 3/16"
 3. 1/4"
 4. Custom (as indicated on Drawings)
- E. Architectural Panel Pattern:
1. Feathers
 2. Bubbles
 3. Shattered
 4. Fence
 5. Pamela's Tears
 6. Wave
 7. FLW
 8. Esther's Leaves
 9. Custom (as indicated on Drawings)
- F. FINISH

1. As chosen from
<http://www.cardinalpaint.com/powder/color-chart/>
2. Primer and site paint

G. COMPONENTS

1. Stand-off mounting system.
2. 1-1/2" x 1-1/2" steel frame.
3. Direct Connect.

2.3 FABRICATION

- A. Cut pattern, fastener holes from metal with laser technology.
- B. Clean panel and edges by deburring.
- C. Complete fabrication before applying finishes.

2.4 ACCESSORIES

- A. Fasteners: Manufacturer's provided self-tapping screws if applicable. (black)
- B. Bolts: Manufacturer's provided hex bolts if applicable. (black)
- C. Washers: Manufacturer's provided washer for dissimilar metal barrier. (black)
- D. Nuts: Manufacturer's provided Nylock nut if applicable. (black)
- E. Stand-offs: Manufacturer's provided 1/8" thick mild steel mounting hardware if applicable. Powder coated same color as panel.

- F. Steel frame: 1-1/2" x 1-1/2" mild steel frame if applicable.
Powder coated same color as panel.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify that conditions are ready for installation of panels.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Provide fasteners and/or anchorage devices where needed to secure decorative metal panels for in-place construction.
- B. Do not cut or weld finished product in the field.
- C. Prevent forms of corrosion by separating metals and other materials so direct contact with dissimilar materials does not occur.
- D. KorFab does not install products, only supplies products.

3.3 CLEANING AND PROTECTION

- A. To extend the powder coat warranty, the following maintenance must be done and is the responsibility of the end user.
- B. Clean metal panels and other components by washing thoroughly with clean water and soap every 3 months, rinsing with clean water, and drying with soft cloths.

- C. Apply 1-2 coats of automotive wax.
- D. To address scratches and scuffs, buff out with automotive scratch compound.
- E. Apply touch-up paint if needed.
- D. Keep verified log and photos of this cleaning in case of warranty claims.

END OF SECTION