WBA
ARCHITECTURE

13 May 2022

Flowood Library Reroof - Rebid
City of Flowood

ADDENDUM NO. 02

NOTICE TO ALL DOCUMENT HOLDERS:
The following additions, deletions, changes and clarifications to the drawings and specifications are to be included as part of the Contract Documents.

GENERAL

ITEM NO. 01 **PREBID CONFERENCE**
A pre-bid meeting was held at Flowood City Hall on Thursday, May 5, 2022 at 2:00 PM.
REFERENCE attached meeting minutes from Pre-Bid Conference.

ITEM NO. 02 **SPECIFICATION SECTION 07.4113 METAL ROOF PANELS**
Part 3, Paragraph 3
ADD the following:

A. With the expectation the roof replacement will be completed in sections, Contractor shall notify Architect upon completion of demolition of the existing roof per section for review and inspection. Contractor shall provide 48-hour notice to Architect.
B. Prior to installation of roofing system, Contractor shall notify Architect for inspection of Roofing Coverboard and Underlayment per section. Contractor to provide 48-hour notice to Architect.

ITEM NO. 03 **SPECIFICATION SECTION 07.4213 METAL WALL PANELS**
Part 3, Paragraph 2
ADD the following:

A. Contractor shall notify Architect upon completion of demolition of the existing wall panel system for review and inspection. Contractor shall provide 48-hour notice to Architect.
B. Prior to installation of new metal wall panel system, Contractor shall notify Architect for inspection of Coverboard and Waterproofing per section. Contractor to provide 48-hour notice to Architect.

cc: All Document Holders
File 0520

2727 Old Canton Rd, Ste 200, Jackson, MS 39216
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May 5, 2022

PRE-BID CONFERENCE

MEETING MINUTES

Flowood Library Reroof
FLOWOOD, MS
WBA# 0820

The following items and programmatic issues will be discussed in the Pre-Bid Conference on this date regarding the above-referenced project.

PROJECT TEAM

Owner:
City of Flowood
2101 Airport Rd N
Flowood MS 39232
Contacts:
Mike Prestage
mprestage@cityofflowood.com

Architect:
Wier Boerner Allin Architecture, PLLC
P: 601.321.9107
Contacts:
Jamie Wier jwier@wba.ms
Jake Gartman jgartman@wba.ms
Ryan Hansen rhansen@wba.ms

BIDDING DOCUMENTS – *Available via Jackson Blueprint & Central Bidding*
Drawing set and Project Manual dated April 20, 2022.

If you have questions or need clarifications regarding the Project, please email your questions to Jake Gartman (jgartman@wba.ms) by close-of-business on Thursday, May 12, 2022. We will not guarantee that questions submitted later than Friday will be answered or clarified by Addendum.

BID OPENING
2:00PM on Thursday, May 19, 2021 at Flowood City Hall, 2101 Airport Rd N, Flowood MS, 39232.

BID FORMS
Review Front End specifications for all Bidder Requirements. Please review Division 00.2113 *Instructions to Bidders*. Bidder is responsible for confirming that Bids are submitted in accordance with outlined requirements.

CONSTRUCTION PERIOD
Work is to be completed in 24 weeks from Notice to Proceed.

PROJECT DESCRIPTION
Removal and replacement of the entire existing metal panel roof system and gutter & downspouts, removal and replacement of all metal wall panels surrounding clerestory of the building, and installation of new sheathing and weather barrier at clerestory walls and all roof planes.

PRODUCT SUBSTITUTIONS
No substitution requests shall be considered during bidding. All substitution requests shall be submitted to the Architect within 30 days from the Notice to Proceed.

OWNER'S COMMENTS AND OTHER REQUIREMENTS

QUESTIONS

NO MORE ITEMS

Encl: none
cc: All Document Holders
File 0519

Metal Roof Panels

PART 1 GENERAL

1. SECTION INCLUDES
   - A. Architectural roofing system of preformed aluminum panels.
   - B. Thermal roof insulation.
   - C. Attachment system.
   - D. Finishes.
   - E. Accessories.
2. RELATED REQUIREMENTS
   - A. Section 07.4213 - Metal Wall Panels: Preformed wall panels.
   - B. Section 07.9200 - Joint Sealants: Sealing joints between metal roof panel system and adjacent construction.
3. REFERENCE STANDARDS
   - A. ASTM D1970/D1970M - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection 2013.
4. SUBMITTALS
   - A. See Section 01.3000 - Administrative Requirements, for submittal procedures.
   - B. Product Data: Manufacturer's data sheets on each product to be used, including:
     1. Storage and handling requirements and recommendations.
     2. Installation methods.
     3. Specimen warranty.
   - C. Shop Drawings: Include layouts of roof panels, details of edge and penetration conditions, spacing and type of connections, flashings, underlayments, and special conditions.
     1. Show work to be field-fabricated or field-assembled.
     2. Include structural analysis signed and sealed by qualified structural engineer, indicating compliance of roofing system to specified loading conditions.
   - D. Selection Samples: For each roofing system specified, submit color chips representing manufacturer's full range of available colors and patterns.
   - E. Verification Samples: For each roofing system specified, submit samples of minimum size 12 inches (305 mm) square, representing actual roofing metal, thickness, profile, color, and texture.
     1. Include typical panel joint in sample.
     2. Include typical fastening detail.
   - F. Test Reports: Indicate compliance of metal roofing system to specified requirements.
   - G. Warranty: Submit specified manufacturer's warranty and ensure that forms have been completed in Owner's name and are registered with manufacturer.
5. QUALITY ASSURANCE
   - A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.
   - B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.
6. WARRANTY
   - A. See Section 01.7800 - Closeout Submittals, for additional warranty requirements.
   - B. Finish Warranty: Provide manufacturer’s special warranty covering failure of factory-applied exterior finish on metal roof panels and agreeing to repair or replace panels that show evidence of finish degradation, including significant fading, chalking, cracking, or peeling within specified warranty period of 20 year period from date of Substantial Completion.

C. Waterproofing Warranty: Provide manufacturer's warranty for weathertightness of roofing system, including agreement to repair or replace roofing that fails to keep out water within specified warranty period of 5 years from date of Substantial Completion.

D. Special Installer Warranty: Furnish a written warranty signed by the Panel Applicator guaranteeing materials and workmanship for watertightness of the roofing system, flashings, penetrations, and against all leaks.

1. Warranty Period: Two years from date of Substantial Completion.

PART 2 PRODUCTS

1. MANUFACTURERS

A. Metal Roof Panels:

1. Petersen Aluminum Corporation; Snap-Clad Panel: www.pac-clad.com/products/metal-roofing/.
   a. Standing Seam: 1-3/4"
   b. Panel Width: 16"o.c.
   c. Aluminum Sheet: .040"
2. or approved equal..

B. Substitutions: See Section 01.6000 - Product Requirements.

2. ATTACHMENT SYSTEM

A. Concealed System: Provide manufacturer's standard stainless steel or nylon-coated aluminum concealed anchor clips designed for specific roofing system and engineered to meet performance requirements, including anticipated thermal movement.

3. FINISHES

A. Two Coat Fluoropolymer Coating System: Manufacturer's standard multi-coat thermocured coating system, including minimum 70 percent fluoropolymer color topcoat with minimum total dry film thickness of .10 mil (0.00254 mm); color and gloss as selected from manufacturer's standards.

4. ACCESSORIES

A. Miscellaneous Sheet Metal Items: Provide flashings, gutters, downspouts, trim, moldings, closure strips, preformed crickets, caps, and equipment curbs of the same material, thickness, and finish as used for the roofing panels. Items completely concealed after installation may optionally be made of stainless steel.

B. Rib and Ridge Closures: Provide prefabricated, close-fitting components of steel with corrosion resistant finish or combination steel and closed-cell foam.

C. Roof Curbs: Fabricated from same material as roof panels, supply an integral full-length cricket for curbs wider than 24 inches (610 mm) supported by a structural metal deck. Fabricate curb flashing from [0.024 inch (0.61 mm)] [0.029 inch (0.74mm)]. On open framing, provide roof underlayment and decking at and about roof curb per roofing manufacturer's requirements. Maintain a minimum of 1/2 of roofing panel width on each side of roof curb, and start panels a minimum of 9 inches (229 mm) up slope of roof curb, flashing roofing panels to roof curb per roofing manufacturer's requirements.. Fabricate curb and subframing to withstand indicated loads of size and height of roof top equipment. Where required insulate roof curbs with rigid insulation.

D. Sealants:

1. Exposed Sealant: Elastomeric; silicone, polyurethane, or silyl-terminated polyether/polyurethane.
2. Concealed Sealant: Non-curing butyl sealant or tape sealant.

E. ROOF DECKING COVER BOARD: Gypsum-based board, 1/2 inch (12 mm) thick; mechanically fastened.

1. Basis of Design: DensDeck Prime Roof Board by Georgia Pacific, www.https://buildgp.com/densdeck/.

F. ROOFING UNDERLAYMENT: Material: Cold applied, self adhering membrane composed of a high strength polyethylene film coated on one side with a layer of rubberized asphalt adhesive and interwound with a disposable release sheet. An embossed, slip resistant surface is provided on the polyethylene with UV barrier properties.
   1. Membrane Thickness: 40 mil (0.040 inch) (1 mm) minimum total thickness.
   2. Tensile Strength, Membrane: 250 psi (1720 kN/m2) ASTM D412 (Die C modified).
   3. Elongation, Membrane: 250% ASTM D412 (Die C modified).
   4. Low Temperature Flexibility: Unaffected @ -20°F (-29°C) ASTM D1970.
   5. Adhesion to Plywood: 5.0 lbs/in. width (525 N/m) ASTM
   6. Permeance (Max): 0.05 Perms (2.9 ng/m2s Pa) ASTM E96.
   7. Material Weight Installed (Max): 0.3 lb/ft2 (1.3 kg/m2) ASTM D461.
   8. Service Temperature: 260 degrees F (115.6 degrees C) per ASTM D1204.
   9. Primer: Water-based Primer compatible with sheet membrane.
   10. Exposure: Can be left exposed for a maximum of 120 days from date of installation per ASTM G90 –EMMAqua test.
   11. Code and Standards Compliance:
      a. ASTM D1970.
      b. Underwriters Laboratories Inc. Classified Sheathing Material Fire Resistance Classification with Roof Designs: P225, P227, P230, P237, P259, P508, P510, P512, P514, P701, P711, P717, P722, P723, P732, P734, P736, P742, P803, P814, P818, P824.
   12. Manufacturers:
      a. GCP Applied Technologies; Grace Ice and Water Shield HT or Architect's Approved Equal.[____].
      b. Substitutions: See Section 01.6000 - Product Requirements.

5. FABRICATION
   A. Factory Fabrication Panels: Fabricate and finish panels and accessory items at factory, using manufacturer’s standard processes as required to achieve specified appearance and performance requirements.
   B. On-Site Fabrication: Subject to compliance with requirements of this Section, metal panels may be fabricated on-site using factory set, non-adjustable, portable roll-forming equipment if panels are of same profile and warranted by manufacturer to be equal to factory-formed panels. Fabricate according to equipment manufacturer's written instructions and to comply with details shown.
   C. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
      1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
      2. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
      3. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
         a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal panel manufacturer for application, but not less than thickness of metal being secured.

PART 3 EXECUTION

1. EXAMINATION

A. Do not begin installation of preformed metal roof panels until substrates have been properly prepared.
B. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal panel supports, and other conditions affecting performance of the Work.
    1. Retain one or both subparagraphs below.
    2. Examine primary and secondary roof framing to verify that rafters, purlins, angles, channels, and other structural panel support members and anchorages have been installed within alignment tolerances required by metal roof panel manufacturer.
    3. Examine solid roof sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal roof panel manufacturer.
        a. Retain subparagraph below with subparagraph above for systems that depend on air- or water-resistive barriers to prevent air infiltration or water penetration.
        b. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
C. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.
D. Proceed with installation only after unsatisfactory conditions have been corrected.
E. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

2. PREPARATION
A. Coordinate roofing work with provisions for roof drainage, flashing, trim, penetrations, and other adjoining work to assure that the completed roof will be free of leaks.
B. Coordinate installation of waterproof membrane over roof sheathing.
C. Remove protective film from surface of roof panels immediately prior to installation. Strip film carefully, to avoid damage to prefinished surfaces.
D. Separate dissimilar metals by applying a bituminous coating, self-adhering rubberized asphalt sheet, or other permanent method approved by roof panel manufacturer.
E. Where metal will be in contact with wood or other absorbent material subject to wetting, seal joints with sealing compound and apply one coat of heavy-bodied bituminous paint.

3. INSTALLATION
A. With the expectation the roof replacement will be completed in sections, Contractor shall notify Architect upon completion of demolition of the existing roof per section for review and inspection. Contractor shall provide 48 hour notice to Architect.
B. Prior to installation of roofing system, Contractor shall notify Architect for inspection of Roofing Coverboard and Underlayment per section. Contractor to provide 48 hour notice to Architect.
C. Overall: Install roofing system in accordance with approved shop drawings and panel manufacturer's instructions and recommendations, as applicable to specific project conditions. Anchor all components of roofing system securely in place while allowing for thermal and structural movement.
    1. Minimize field cutting of panels. Where field cutting is absolutely required, use methods that will not distort panel profiles. Use of torches for field cutting is absolutely prohibited.
D. Self-Adhering Sheet Underlayment Installation: Apply primer if required by manufacturer. Comply with temperature restrictions of underlayment manufacturer for installation. Apply at locations indicated [below] [on Drawings], wrinkle free, in shingle fashion to shed water, and with end laps of not less than 6 inches (152 mm) staggered 24 inches (610 mm) between courses. Overlap side edges not less than 36 inches (914.4 mm).[Extend underlayment into gutter trough.] Roll laps with roller. Cover underlayment within 14 days or as directed by the underlayment product manufacturer.
    1. Apply over the entire roof surface.

2. Schedule installation such that underlayment is covered by roofing within the published exposure limit of the underlayment.
3. Do not install underlayment on wet or frozen substrates.
4. Install when surface temperature of substrate is a minimum of 40 degrees F (5 degrees C) and rising.
5. Remove dust, dirt, loose materials and protrusions from deck surface.
6. Install membrane on clean, dry, continuous drainage surface (cover board). Fill voids and damaged or unsupported areas prior to installation.
7. Install membrane such that all laps shed water. Work from the low point to the high point of the roof at all times. Apply the membrane in valleys before the membrane is applied to the eaves. Following placement along the eaves, continue application of the membrane up the roof. Membrane may be installed either vertically or horizontally after the first horizontal course.
8. Apply the membrane in valleys before the membrane is applied to the eaves.
9. Side laps minimum 3-1/2 inches (89 mm) and end laps minimum 6 inches (152 mm) following lap lines marked on underlayment.
10. Patch penetrations and damage using manufacturer's recommended methods.

E. Accessories: Install all components required for a complete roofing assembly, including flashings, gutters, downspouts, trim, moldings, closure strips, preformed crickets, caps, equipment curbs, rib closures, ridge closures, and similar roof accessory items.

F. Roof Panels: Install panels in strict accordance with manufacturer's instructions, minimizing transverse joints except at junction with penetrations.
1. Form weathertight standing seams incorporating concealed clips, using an automatic mechanical seaming device approved by the panel manufacturer.
2. Incorporate concealed clips at panel joints, and apply snap-on battens to provide weathertight joints.
3. Install sealant or sealant tape, as recommended by panel manufacturer, at end laps and side joints.

4. CLEANING

A. Clean exposed sheet metal work at completion of installation. Remove grease and oil films, excess joint sealer, handling marks, and debris from installation, leaving the work clean and unmarked, free from dents, creases, waves, scratch marks, or other damage to the finish.

5. PROTECTION

A. Do not permit storage of materials or roof traffic on installed roof panels. Provide temporary walkways or planks as necessary to avoid damage to completed work. Protect roofing until completion of project.

B. Touch-up, repair, or replace damaged roof panels or accessories before Date of Substantial Completion.

END OF SECTION

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Metal Wall Panels

PART 1 GENERAL

1. SECTION INCLUDES
   A. Manufactured metal panels for exterior wall panels and soffit panels, with related flashings and accessory components.
2. RELATED REQUIREMENTS
   A. Section 07.4113 - Metal Roof Panels
   B. Section 07.6200 - Sheet Metal Flashing and Trim
   C. Section 07.7100 - Roof Specialties
   D. Section 07.9200 - Joint Sealants
3. REFERENCE STANDARDS
   A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels 2013.
   B. AAMA 609 & 610 - Cleaning and Maintenance Guide for Architecturally Finished Aluminum (Combined Document) 2015.
   C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2015.
   D. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process 2010 (Reapproved 2015).
   E. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2015a.
4. SUBMITTALS
   A. See Section 01.3000 - Administrative Requirements, for submittal procedures.
   B. Shop Drawings: Indicate dimensions, layout, joints, construction details, [_____], and methods of anchorage.
   C. Samples: Submit two samples of wall panel and soffit panel, 12 inch by 12 inch (305 mm by 305 mm) in size illustrating finish color, sheen, and texture.
   D. Manufacturer's Qualification Statement.
   E. Installer's Qualification Statement.
5. QUALITY ASSURANCE
   A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
   B. Installer Qualifications: Company specializing in installing products of the type specified in this section with minimum three years of documented experience.
6. MOCK-UP
   A. Construct mock-up, [____] feet ([____] m) long by [____] feet ([____] m) wide; include panel and soffit system, glazing, attachments to building frame, associated vapor retarder and air seal materials, weep drainage system, sealants and seals, related insulation, and [_____] in mock-up.
   B. Locate where directed by Architect.
   C. Mock-up may remain as part of the Work.
7. DELIVERY, STORAGE, AND HANDLING
   A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.
   B. Store prefinished material off the ground and protected from weather; prevent twisting, bending, or abrasion; provide ventilation; slope metal sheets to ensure proper drainage.
   C. Prevent contact with materials that may cause discoloration or staining of products.
8. WARRANTY
   A. See Section 01.7800 - Closeout Submittals, for additional warranty requirements.

B. Correct defective work within a five year period after Date of Substantial Completion for degradation of panel finish, including color fading caused by exposure to weather.

C. Correct defective work within a five year period after Date of Substantial Completion, including defects in water tightness and integrity of seals for metal wall panels.

PART 2 PRODUCTS

1. MANUFACTURERS
   A. Metal Wall Panels - Concealed Fasteners:
      1. Centria; Versawall Insulated Core Metal Wall Panel System: www.centria.com/.
      2. Substitutions: See Section 01.6000 - Product Requirements.
2. MANUFACTURED METAL PANELS
   A. Wall Panel System: Factory fabricated prefinished composite metal panel system, site assembled.
      1. Provide exterior wall panels and soffit panels.
      2. Design and size components to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of wall.
      3. Maximum Allowable Deflection of Panel: L/180 for length(L) of span.
      4. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.
      5. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
      6. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.
      7. Corners: Factory-fabricated in one continuous piece with minimum 2 inch (51 mm) returns.
   B. Internal and External Corners: Same material, thickness, and finish as exterior sheets; profile to suit system; shop cut and factory mitered to required angles.
   C. Expansion Joints: Same material, thickness and finish as exterior sheets; [___] gage, [___] inch ([___] mm) thick; manufacturer's standard brake formed type, of profile to suit system.
   D. Trim: Same material, thickness and finish as exterior sheets; brake formed to required profiles.
   E. Anchors: Galvanized steel.
3. MATERIALS
   A. Precoated Steel Sheet: Hot-dipped galvanized steel sheet, ASTM A653/A653M, Structural Steel (SS) or Forming Steel (FS), with G90/Z275 coating; continuous coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.
   B. Metal Panel Insulation Core: Closed cell, isocyanurate foam, non-CFC blowing agent..
4. FINISHES
   A. Fluoropolymer Coil Coating System: Polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent PVDF resin, and at least 80 percent of coil coated aluminum surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch (0.023 mm); color and gloss as selected by Architect from manufacturer’s standard line.
5. ACCESSORIES
   A. Provide complete metal wall panel assembly incorporating trim, copings, fasciae, parapet caps, soffits, sills, inside and outside corners, and miscellaneous flashings. Provide manufacturer's factory-formed clips, shims, flashings, gaskets, lap tapes, closure strips, and caps for a complete installation. Fabricate and install accessories in accordance with SMACNA Manual.

B. Formed Flashing and Trim: Provide manufacturer-provided extruded trim for the following locations. Match material, thickness, and finish of the metal wall panel face sheet.
   1. Base Trim.
   2. Copings.
   3. Panel installation perimeter.
   4. Opening perimeters.

C. Gaskets: Manufacturer's standard type suitable for use with system, permanently resilient; ultraviolet and ozone resistant.

D. Concealed Sealants: Non-curing butyl sealant or tape sealant. See Section 07.9200 Joint Sealants for additional requirements.

E. Panel Clips: Concealed galvanized steel clip configured specifically for metal wall panel profile, engaging face and liner panel edge without compressing panel insulation.

F. Fasteners: Manufacturer's standard type to suit application; with soft neoprene washers, steel, hot dip galvanized. Fastener cap same color as exterior panel.
   1. Metal-to-Metal Fasteners: Self-drilling, self-tapping screws.

G. Field Touch-up Paint: As recommended by panel manufacturer.

H. Bituminous Paint: Asphalt base.

PART 3 EXECUTION

1. EXAMINATION
   A. Verify that building framing members are ready to receive panels.
   B. Verify that water-resistive barrier has been installed over substrate completely and correctly.
2. INSTALLATION
   A. Contractor shall notify Architect upon completion of demolition of the existing wall panel system for review and inspeciton. Contractor shall provide 48 hour notice to Architect.
   B. Prior to installation of new metal wall panel system, Contractor shall notify Architect for inspection of Coverboard and Waterproofing. Contractor shall provide 48 hour notice to Architect.
   C. Install panels on walls and soffits in accordance with manufacturer's instructions.
   D. Protect surfaces in contact with cementitious materials and dissimilar metals with bituminous paint. Allow to dry prior to installation.
   E. Fasten panels to structural supports; aligned, level, and plumb.
   F. Locate joints over supports.
   G. Lap panel ends minimum 2 inches (51 mm).
   H. Provide expansion joints where indicated.
   I. Use concealed fasteners unless otherwise approved by Architect.
   J. Seal and place gaskets to prevent weather penetration. Maintain neat appearance.
3. TOLERANCES
   A. Maximum Offset From True Alignment Between Adjacent Members Butting or In Line: 1/16 inch (1.6 mm).
   B. Maximum Variation from Plane or Location Indicated on Drawings: 1/4 inch (6.4 mm).
4. CLEANING
   A. Remove site cuttings from finish surfaces.
   B. Remove protective material from wall panel surfaces.
   C. Clean and wash prefinished surfaces with mild soap and water; rinse with clean water.

END OF SECTION

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