



11 November 2016

Addendum 1

Swansboro Public Safety
Bunk Room Addition

The following addendum shall supersede previous information and does hereby become part of the contract documents.

- Clarification: Metal Roof Color to match existing new front addition standing seam.
- Site Work: The Owner will provide the following site work:
 - Fill and Grading (Owner will also provide compaction testing for fill, but the contractor will be responsible for footing compaction testing.)
 - Landscaping and seeding
 - Retaining wall demolition
 - Existing downspout modifications
 - HDPE piping to ditch
 - Relocation of existing water meter, sewer pump and gas line
 - RPZ in hot box for sprinkler system
- The Pre-bid minutes are to be considered part of this addendum
- Limited area sprinkler system description
 - NFPA 13R Fire sprinkler system for the New Bunk Room Addition
 - The New sprinkler system shall be off the domestic system
 - Contractor to provide at 2 ½" FDC. Coordinate location with local Fire Marshal.
 - The Contractor shall be responsible for verifying all flows and providing full shop drawings with all calculations, sprinkler head design and pipe sizing identified.
 - Domestic GPM calculation is as follows: drainage fixture units 26.0, water fixture units 28.0, GPM 22.5.
 - The Owner will provide and install RPZ backflow preventer and tap ahead of the domestic system back flow device. The owner will provide and install a hot box with heat tracing and WP/GFI receptacle at the hot box.
 - The Owner will provide a limited fire alarm monitoring system or audible alarm.
- See attached specification section 08120, Aluminum Doors and Frames

End of Addendum 1

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SECTION 08120 - ALUMINUM DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Glazed aluminum swinging doors.
 - 2. Aluminum door frames.
- B. Related work includes:
 - 1. Glazing (08800)

1.2 PERFORMANCE REQUIREMENTS

- A. Exterior Assemblies: Design to comply with the D.P. Ratings as required and air infiltration requirements. Wind load required 130 mph.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's material specifications, drawings of standard components, and installation recommendations.
- B. Shop Drawings: Show elevations, field measurements, composite members, reinforcement, anchorages, flashing, attachments, expansion provisions, hardware mounting, and glazing. Shop drawings should be approved by the manufacturer. Provides engineering calculations to meet 130 mph wind load.
- C. Samples for Verification of Anodized Finishes: For each type and color of anodized finish, submit 12-inch-long sections of extrusions and formed sections and 6-inch-square sheets. Submit at least 2 pieces for each color showing full range of color variation.

1.4 QUALITY ASSURANCE

- A. Standard for Air Infiltration Testing: ASTM E 283; report result as cubic feet per minute per unit of measurement indicated, at pressure differential indicated.
- B. Standard for Condensation Resistance Testing: AAMA 1503.1; report result as CRF.
- C. Standard for Thermal Transmission Testing: AAMA 1503.1; report result as U-value (Btu per hour per square foot per degree F).
- D. Design Criteria: The drawings indicate the size, profile, and dimensional requirements of aluminum entrance and storefront work required and are based on the specific types and models indicated. Aluminum entrance by other manufacturers may be considered, provided deviations in dimensions and profiles are minor and do not change the design concept as judged by the Architect. The burden of proof of equality is on the proposer.

1.5 PROJECT CONDITIONS

- A. Take field measurements as required for correct fit.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Aluminum Doors and Frames:
 - 1. Provide products complying with requirements of the contract documents and made by one of the following or and approved equal:

- a. Kawneer Company, Inc. (TRIFAB 451T)
- b. Equal products by Old Castle and Coral Architectural Products will be acceptable.

2.2 FRAMING SYSTEMS

- A. Aluminum Door and Frames: Extruded tube or channel frames with either mechanical or welded joints.
 - 1. Finish:
 - a. White

2.3 SWINGING DOORS

- A. Stile and Rail Doors: Glazed doors with tubular extruded aluminum frame members.
 - 1. Frame joints: Either concealed mechanically fastened, using tie rods or j-bolts and reinforcing plates; or welded.
 - 2. Thickness: 1-3/4 inches.
 - 3. Stile width: 3-1/2 inches nominal.
 - 4. Full glazed, with no intermediate mullions.
 - 5. Glazing stops: Snap-on extruded aluminum, designed to allow replacement of glazing without disassembly of frame. Provide nonremovable exterior stops.
 - 6. Glaze doors in factory.
 - 7. Finish:
 - a. White
- B. Weatherstripping:
 - 1. At fixed stops: Replaceable, compression type molded gaskets of neoprene or EPDM rubber complying with ASTM C 864 or of polyvinyl chloride complying with ASTM D 2287.
 - 2. At other edges: Replaceable woven polypropylene, wool, or nylon pile, with aluminum or nylon fabric backing, complying with AAMA 701.
 - 3. At door bottom: Adjustable molded EPDM or vinyl sweep, continuously contacting threshold; concealed mounting.
 - 4. Provide weatherstripping on all exterior doors.
- C. Hardware for Aluminum Doors: Storefront Supplier to provide all hardware as required for proper operation
 - 1. Finish: Match doors.
- D. Hardware: Closer, Panic Hardware and locksets are required
- E. Thresholds: Extruded aluminum thresholds in mill finish, complete with anchors and clips. Verify type and size with field conditions prior to ordering. Threshold to be ADA accessible.

2.4 MATERIALS - GENERAL

- A. Aluminum Members: Kawneer TriFab 451T – White.
- B. Fasteners: Compatible with aluminum; aluminum, nonmagnetic stainless steel, or other noncorrosive, noncorrodible material.
 - 1. Do not use exposed fasteners.
- C. Concealed Flashing: Fully annealed, soft stainless steel, 26 gage minimum; or extruded aluminum, 0.032 inch minimum.

- D. Miscellaneous Concealed Metal Members: High-strength aluminum or nonmagnetic stainless steel; hot-dip galvanized steel complying with ASTM A 123 may be used for members which are not exposed to weather or abrasion.
- E. Concrete Inserts: Cast iron, malleable iron, or steel hot-dip galvanized in accordance with ASTM A 123.
- F. Dissimilar Metal Coating: Cold-applied asphalt mastic, or other nonconductive, nonabsorptive material.
- G. Glass and Glazing Accessories: Provide products specified elsewhere in Division 8.
 - 1. Use 1" insulated glass as specified in section 08800 at all locations
- H. Joint Sealers: Provide products specified in Division 7.
- J. Provide muntins/mullions as shown on drawing.

2.5 FABRICATION

- A. Framing System: Pre-cut and perform all finishing in factory or shop.
 - 1. When it is necessary to begin fabrication without actual field measurements, provide adequate fabrication tolerances for correct fit.
 - 2. Fit joints tightly with adjacent members in correct relationship.
 - 3. Select members for fabrication so that adjacent anodized extruded aluminum members do not have color or texture variation greater than half of the range indicated in the submitted samples.
- B. Doors: Factory-fabricate doors and factory-install all hardware except surface-mounted items.
 - 1. Perform fabrication required for hardware before finishing.
- C. Welding: Perform welding before finishing; use methods which do not discolor metal; grind exposed welds flush; match original finish.
- D. Reinforcing: Provide as required to comply with performance requirements for rigidity and to support hardware; isolate dissimilar metals as specified in "Installation."
- E. Avoid damage to finishes.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Examine structures; report conditions in writing, which will adversely affect installation.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's recommendations and instructions.
- B. Install plumb and level, square and true, in correct location; support adequately and securely anchor.
- C. Separate aluminum exposed to weather from dissimilar metals; coat dissimilar metals that are in drainage cavities using one of the materials specified. Aluminum, stainless steel, zinc, cadmium, and small areas of white bronze are not considered dissimilar from each other.

- D. Coat all metals that come into contact with masonry, concrete, and treated wood, using one of the materials specified.
- E. Install surface-mounted hardware in accordance with hardware manufacturer's instructions.
- F. Install glass using methods specified elsewhere in Division 8. Factory install to greatest extent possible.
- G. Set threshold units level and accurately in seal strip of butyl rubber sealant or polyisobutylene mastic sealant. Cope and align with frames and doors, and at proper elevation for door operation. Shim, if necessary, for full continuous support of threshold at each edge and intermediate legs, if any. Use non-corrosive shims of metal or plastic, set in adhesive or otherwise anchored against dislocation from impact or traffic upon threshold.

3.3 ADJUST AND CLEAN

- A. Adjust each operable unit for correct function and smooth, free operation and so doors close tightly.
- B. Clean exterior and interior soon after installation of glass, taking care to avoid damage to finishes.
- C. Clean glass surfaces as specified elsewhere.

END OF SECTION 08120