

**Project: Roof Re-Shingle and Metal Wraps and Caps at Firewalls
Three Schools**

Date: 17 May 2017

**Owner: Cumberland County Schools
801 Gillespie Street
Fayetteville, N.C. 28306**

**Bid Date: 30 May 2017
Bid Time: 3:00 p.m.**

The following changes, additions and clarifications are made to the General Conditions and Specifications for the above referenced project. **Number of pages (5)**

1. All Locations:

- Site visits may be made on the following dates: 17, 18, 19 & 22 May between the hours of 8:00 a.m. and 4:00 p.m.. If another date is needed, contractor must contact the specific school site to coordinate in order not to interfere with testing. Upon visit, contractor must sign in at the main office and sign out when leaving.
- May substitute synthetic roofing felt/underlayment in lieu of 15# traditional felt/underlayment.
- Flashing metal shall be aluminum instead of galvanized to prevent galvanic reaction with aluminum panels and or wraps.
- Examples of hemmed seamed metal wraps and caps can be viewed at Massey Hill Classical School, 1062 Southern Avenue, Fayetteville, NC 28306. The one story building on the left of the school is where a previous project with the same scope of work was done.
- Examples of Metal Panels can be viewed at Mac Williams Middle School. Photos of those panels are included with this addendum, along with the specification of these panels.
- Care must be taken not to damage existing gutters and downspouts.

2. Lillian Black Elementary School:

- The connector between the main building and the media center building (metal roof area) is not included in the scope of work.
- Adequate access to building area will be provided by CCS, including removing sections of fencing if necessary.

3. Stedman Elementary School:

- Metal to be white in color at this school. Existing loose material on the fire-wall and end-wall faces must be removed as much as possible. Furring is to be used where necessary to create a smooth and watertight installation of the metal Panels.

- Metal Panels shall be installed at the two gable faces of the center connector, including bringing the metal down onto the ledges. CCS will be responsible for replacing / repairing the louvered gable vents and painting.
4. Sunnyside Elementary School:
- Provide and Install Ice and Water Shields at all eight (8) Valleys.
 - Existing metal on firewalls may be left in place – All flashing/counter-flashing must be replaced.
 - Chimney faces and caps shall be covered in metal – black.

All questions or concerns must be submitted no later than Close of Business on 22 May, 2017 so that any addendum information can be distributed to all bidders in a timely manner. No addendums will be issued after Close of Business on 23 May 2017.

Attachments:

- Photos of Metal Panels at Mac Williams Middle School
- FW-120 Metal Panel Data Sheet – Product specifications can be found at <http://www.mbc.com/documents/fw-120-panel-data-sheet/>

END OF ADDENDUM NUMBER ONE

Mac Williams

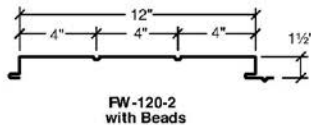
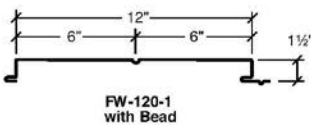
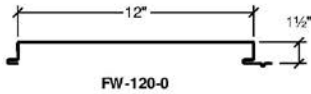
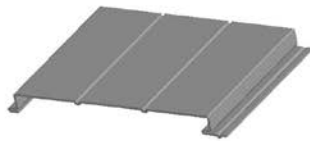


CONCEALED FASTENING SYSTEMS



FW-120 PANEL

The FW-120 panel is a concealed fastener wall and liner panel that provides a flat appearance. FW-120 is commonly used for architectural, commercial and industrial markets. The heavy gauge offering provides for large spanning capabilities, particularly in composite wall applications.



Features and Benefits:

- FW-120 is available in a flat profile with no beads, one bead or two beads.
- The FW-120 Panel has been tested by a certified independent laboratory in accordance with ASTM test procedures for Air Infiltration and Water Penetration at the sidelap. Test results show no air leakage at 1.57PSF and no water penetration at 6.24PSF differential pressure.
- FW-120 carries Florida approval.

Product Specifications

- Applications: Wall and Fascia
- Coverage Widths: 12"
- Panel Attachment: Concealed Fastening System
- Gauges: 24 (standard); 22 and 20 (optional)
- Finishes: Smooth (standard); Embossed (optional)
- Coatings: Signature® 300

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CONCEALED FASTENING SYSTEM

FW-120 PANEL

CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
ENVIRONMENTAL	Air leakage	ASTM E283	Determines the air leakage rates of exterior windows, curtain walls, and doors under specified air pressure differences across the specimen.	0.000 cfm/ft ² at 6.24 psf static pressure 0.113 cfm/ft ² at 20.00 psf static pressure
	Water Penetration	ASTM E331	Determines the resistance of exterior windows, curtain walls, skylights, and doors to water penetration when water is applied under uniform static air pressure difference.	No uncontrolled water penetration through the panel joints at a static pressure of 13.24 psf
STRUCTURAL	Negative Wind Loads	ASTM E 1592	Provides a standard procedure to evaluate or confirm structural performance under uniform static air pressure difference.	See Load Chart Section
	Positive Wind Load	AISI S100	North American Specification for the Design of Cold-Formed Steel Structural Members	See Section Properties and Allowable Load Table Section
ROOF LISTINGS	Roof Performance - Florida Approval	ASTM E 1592	Florida product approval is the approval of products and systems, which comprise the building envelope and structural frame, for compliance with the structural requirements of the Florida Building Code.	See FL# 11917.3



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