

**ADDENDUM #1**

**October 16, 2012**

**TRANSMITTED VIA EMAIL: 3 pages**

**TO: ALL PLAN HOLDERS AND POTENTIAL BIDDERS**  
**FROM: Ron Venturella, PURCHASING OFFICER** *RV*  
**SUBJECT: 13-AC REYNOLDS HIGH MINITORIUM WALL PANEL REPLACEMENT (RPF 30-12)**

The following changes, revisions, additions, and/or clarifications to the plans and/or specifications are hereby made a part of the original documents. **Be sure to acknowledge this addendum on the bid sheet.**

**Addendum # 1**  
**Pre-Bid Meeting Minutes & Addendum # 1**

Pre-bid meeting at AC Reynolds High 10:00 am, October 16, 2012

**Attending Representatives from:**

B. Allen Construction  
J. Bartholemew Roofing & Construction  
NorthStar Construction  
Patton Construction  
Triad Roofing  
Britt & Tilson (Glazing subcontractor)  
Mary Beth Kingston - BCS Facilities Department

**Meeting Notes / Addendum #1:**

1. Discussion of egress window removal and window and wall panel replacement drawings that are issued with this Addendum to be bid as Alternate # 2.
2. Windows may be one or more component. EFCO 3500 series. Installed by specialty contractor including EFCO subsill with end dams and extruded aluminum sill cover.
3. Window openings are into classrooms and emergency egress must be maintained when school is in session.
4. Schedule with Alternate # 2 is extended to final completion on April 30, 2013.
5. The project will be awarded to the low bidder of the combined amounts for Base Bid & Alternate # 2. Owner may also choose to consider Alternate # 1 for the combined low bid.

6. All roof areas around the project are to be protected throughout construction with a minimum of 8' wide work area with 6mil poly on the roof with 7/16" OSB on top. Preferred protection would also include 1" layer of insulation on the poly. Contractor also to provide a 4' wide walkway to the roof access of the same construction for the duration of the project.
7. Contractor to discuss the location of the dumpster at project start up. Asbestos transite panels are to be handled at all times per jurisdictional regulations. Panels cannot be dropped off the roof into the dumpster.
8. Metal panels which match the panel profile and meet the specifications may be provided by MRS, Inc. as long as engineering data for fastening is also provided.
9. Buncombe County Schools will provide a lined dumpster and dumping for the asbestos transite panels. Contractor is responsible for collecting and removing all other construction debris in their own container. Contractor is responsible for meeting any other requirements for removal of asbestos containing materials.
10. General contractor is responsible for obtaining all required jurisdictional permits within the Base Bid.
11. Detail 1/SK-4: It was noted that the actual field conditions for the existing height of flashings varies.
12. Detail 1/SK-6: Verify Nailer Condition: Contractor is to provide a minimum of (2) 2 x 6 Fire Retardant Treated nailers bolted to the bar joists in the bid.
13. Roofing repairs are to be completed by a roofing contractor certified to install Carlisle, Firestone or Versico roofing. The existing EPDM roof is not under warranty. Materials used in repairs do not have to be manufactured by Firestone.
14. It was noted that the window units may have a lead time of up to 12-15 weeks.
15. Revised proposal form and drawings attached.

**End of 13-AC REYNOLDS HIGH MINITORIUM WALL PANEL REPLACEMENT (RPF 30-12)  
Pre-Bid Meeting Minutes & Addendum # 1**

(NOTE: THE PROPOSAL FORM MUST BE FULLY EXECUTED AND RETURNED FOR CONSIDERATION)

**\*\*REVISED\*\***

**PROPOSAL FORM**

**13-AC REYNOLDS HIGH MINITORIUM WALL PANEL REPLACEMENT**

**RFP#30-12**

**DUE DATE: 10-31-12**

By submitting this proposal, the potential contractor certifies the following:

- \*\* This proposal is signed by an authorized representative of the firm.
- \*\* It can obtain and submit to the Owner insurance certificates as required within 5 calendar days after notice of award.
- \*\* The cost and availability of all equipment, materials, and supplies associated with performing the services described herein have been determined and included in the proposed cost.
- \*\* All labor costs, direct and indirect, have been determined and included in the proposed cost.
- \*\* All taxes have been determined and included in the proposed cost.
- \*\* The offeror has attended the conference (*if applicable*) or conducted a site visit and is aware of prevailing conditions associated with performing these services.
- \*\* The potential contractor has read and understands the conditions set forth in this RFP and agrees to them with no exceptions.

Therefore, in compliance with this Request for Proposals, and subject to all conditions herein, the undersigned offers and agrees, if this proposal is accepted within 45 days (normally less) from the date of the opening, to furnish the subject services for a cost not to exceed:

**BASE BID:**

\$ \_\_\_\_\_ dollars and \_\_\_\_/100 \$ \_\_\_\_\_

**ALTERNATE #1: (Z purlins & 1 1/2" polyiso) add or deduct to base bid**

\$ \_\_\_\_\_ dollars and \_\_\_\_/100 \$ \_\_\_\_\_

**ALTERNATE #2: Egress window removal and window and wall panel replacement**

\$ \_\_\_\_\_ dollars and \_\_\_\_/100 \$ \_\_\_\_\_

Attachments #1&2 received: \_\_\_\_\_ Addendum #1 received: \_\_\_\_\_ Attended prebid conference: \_\_\_\_\_

OFFEROR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_ FAX: \_\_\_\_\_

FED ID No: \_\_\_\_\_ Type & License #: \_\_\_\_\_

E-MAIL: \_\_\_\_\_ MBE Status: \_\_\_\_\_

Principal Place of Business if different from above (See General Information on Submitting Proposals, Item 18.): \_\_\_\_\_

BY: (Signature) \_\_\_\_\_ TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_ (Typed or printed name) \_\_\_\_\_

**END OF PROPOSAL FORM**

# A. C. REYNOLDS HIGH SCHOOL



PHONE: (828) 298-2500  
PIN: 13-9667.19.62.0176

## PROJECT DESCRIPTION:

PROVIDE NEW EFCO WINDOWS AND METAL WALL PANEL SYSTEM.

REMOVE AND DISPOSE OF EXISTING ASBESTOS TRANSITE PANELS ACCORDING TO REQUIREMENTS OF LOCAL JURISDICTION. BCS WILL PROVIDE A DUMPSTER FOR DISPOSAL OF ASBESTOS PANELS (BELVIN HALL 775-4244 AS REQUESTED BY CONTRACTOR. MIKE MATTHEWS WITH WNC AIR QUALITY TO BE INVITED TO PRE-CONSTRUCTION MEETING.

REPLACE EXISTING WOOD STUDS AND FIBERGLASS BATT WITH STEEL STUDS, WEATHER BARRIER, INSULATION AND METAL WALL PANELS. PROVIDE NEW NAILERS, METAL EDGE AND EPDM FLASHINGS FOR ROOF TIE-IN.

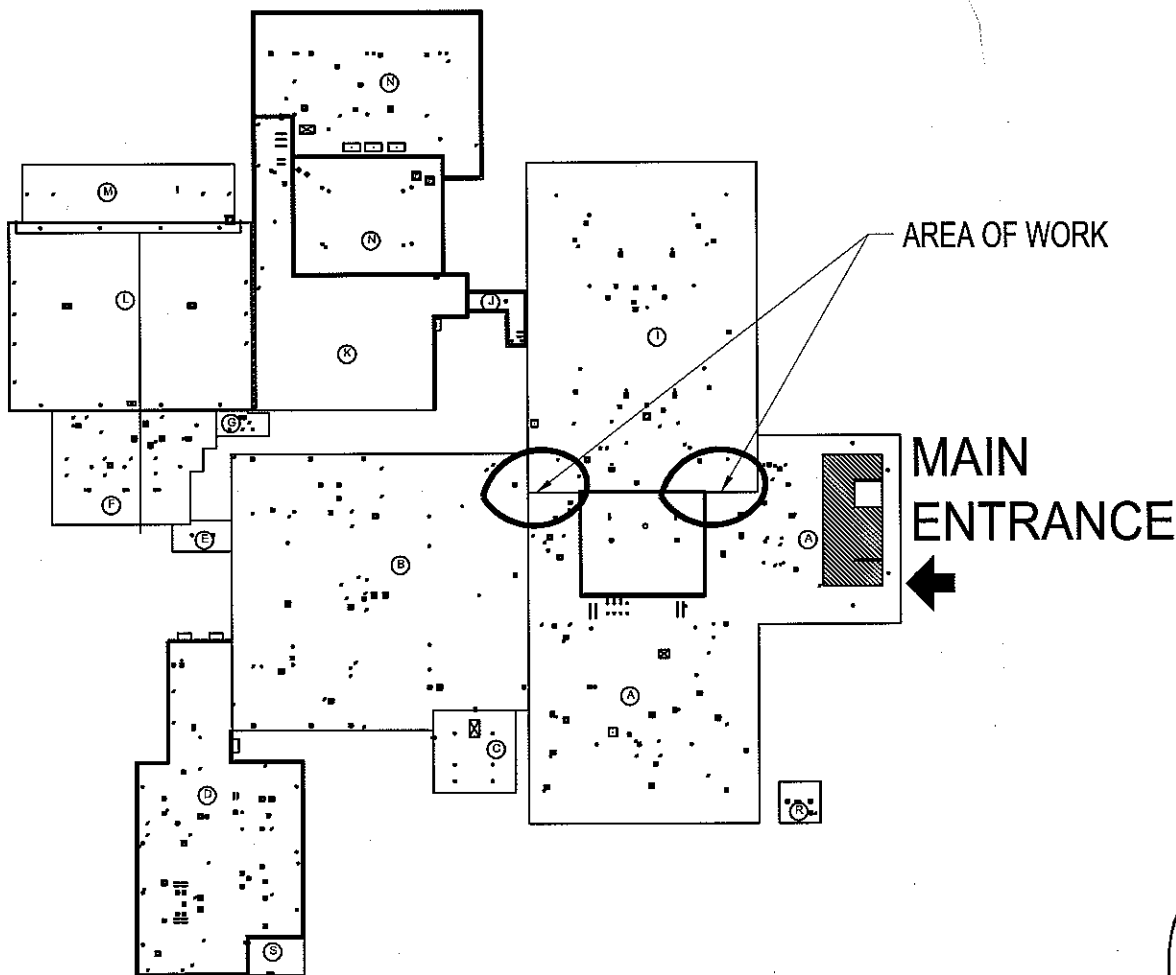
A QUALIFIED COMMERCIAL ROOFING SUB-CONTRACTOR AUTHORIZED TO INSTALL FIRESTONE, CARLISLE OR VERSICO ROOFING.

GENERAL CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL JURISDICTIONAL PERMITS.

## AC REYNOLDS HIGH SCHOOL

ONE ROCKET DRIVE  
ASHEVILLE, NC 28803

## 13- ACRHS WINDOWS



## Buncombe County Schools Facilities and Planning

Timothy Fierle AIA, Director

175 Bingham Road □ Asheville, N.C. 28806-3800  
Phone: (828) 255-5916 Fax: (828) 255-5923

## SHEET SCHEDULE:

- |      |              |      |        |
|------|--------------|------|--------|
| SK-1 | OVERALL PLAN | SK-4 | DETAIL |
| SK-2 | ELEVATION    | SK-5 | DETAIL |
| SK-3 | SECTION      | SK-6 | DETAIL |



10-12-12

Addendum #1: ACRHS  
Minitorium Wall Panels

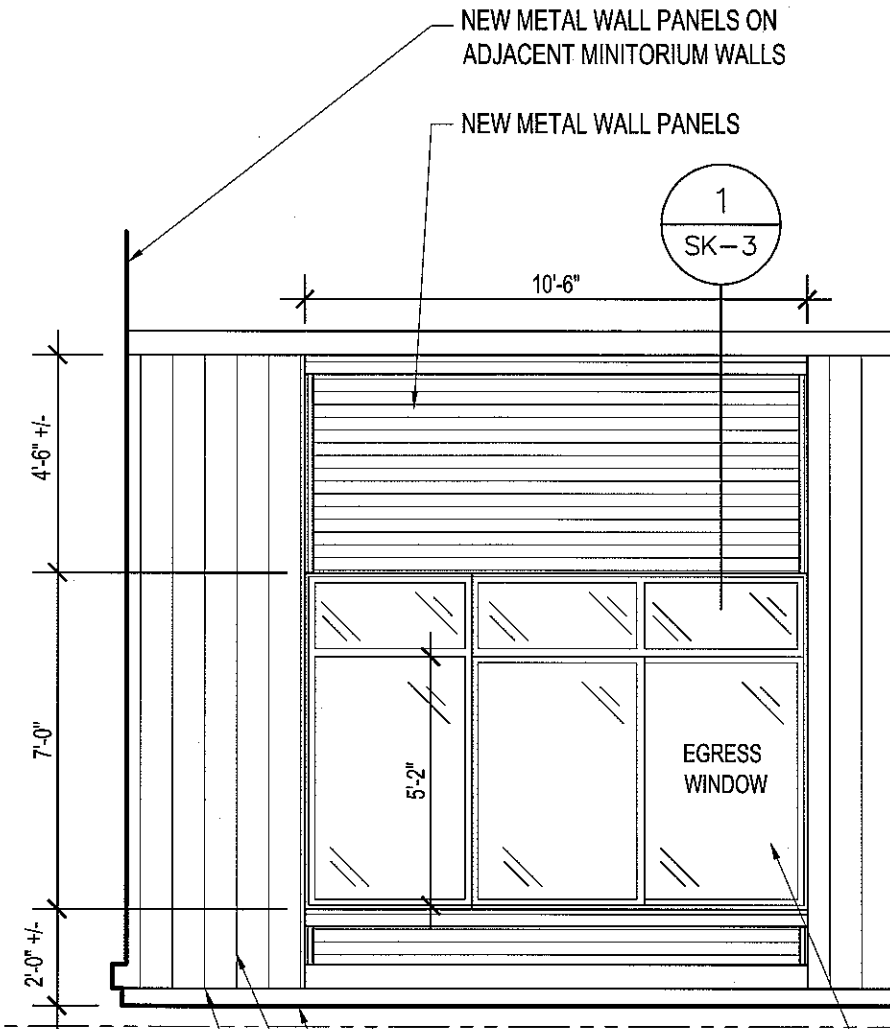
# SK-1

**NOTE: CONTRACTOR TO VERIFY DIMENSIONS IN FIELD**

**AC REYNOLDS HIGH SCHOOL**

ONE ROCKET DRIVE  
ASHEVILLE, NC 28803

**13- ACRHS WINDOWS**



NEW EFCO 3500 SERIES SLIDING WINDOW TO MEET NC EGRESS WINDOW REQUIREMENTS FOR CLEAR OPENING AND OPENING HEIGHT TO FLOOR

LINE OF FLOOR BEYOND

TOP OF ROOF

PRE-CAST CONCRETE WALL PLANK

REMOVE EXISTING CAULK, ETC. REPLACE METAL FLASHING MATERIAL. PROVIDE WORK AS SHOWN FOR EXPANSION JOINT IN DETAIL 1/SK-4.

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Facilities and Planning**

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Asheville, N.C. 28806-380C  
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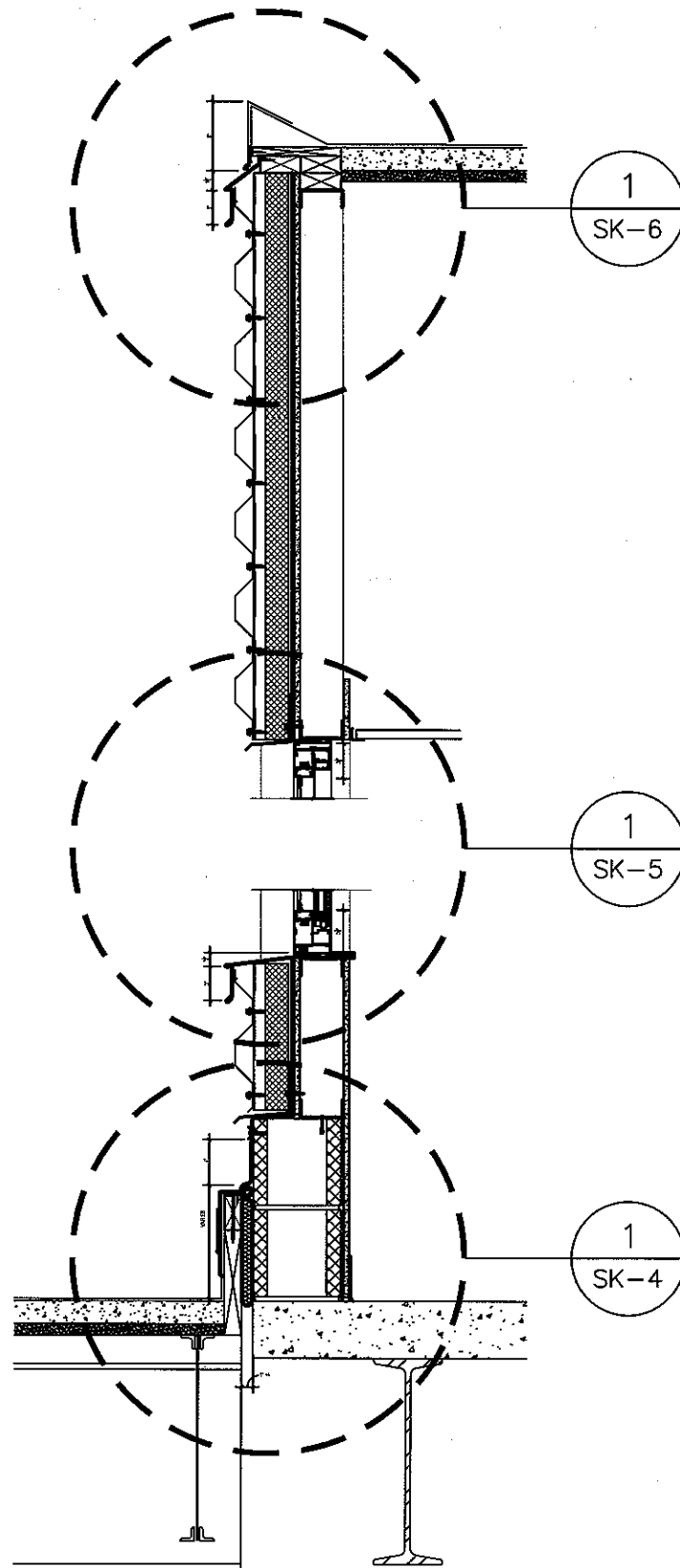


10-12-12

**1 ELEVATION**  
1/4" = 1'-0"

Addendum #1: ACRHS  
Minitorium Wall Panels

**SK-2**



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10-12-12

**1 WALL SECTION**  
3/4" = 1'-0"

Addendum #1: ACRHS  
Minitorium Wall Panels

**SK-3**

DESIGNED BY: MBK  
DATE: OCTOBER, 12, 201

**NOTE:**  
VERTICAL EDGES OF METAL PANELS TO TERMINATE AT TILT UP CONCRETE WALL SIMILAR TO DETAIL 2/A104.1

1/2" EXTERIOR GRADE GYPSUM BOARD

2" EXTRUDED POLYSTYRENE

24 GA. PVDF FACTORY FINISHED METAL WALL PANEL (7.2 MBCI BASIS FOR DESIGN) ATTACHED WITH # 12-14 HWH WW FASTENERS TO HAT CHANNELS

16 GA GALVANIZED HAT CHANNELS AT 5'-0" O.C. MAX.

AIR AND WEATHER BARRIER

NEW COLOR MATCHED 24GA GALVALUME SLOPED TO DRAIN

WATER BLOCK SEALANT

NEW .060 EPDM FLASHING MEMBRANE AND TERMINATION BAR INSTALLED PER NRCA

NEW FLEXIBLE FOAM ROD, MIN. DIAMETER 1 1/2 SIZE OF OPENING

NEW ACQ 2 X 4 KDAT NAILER FASTENED WITH STAINLESS STEEL SCREWS PRE-DRILLED AT 24" O.C.

6" WIDE .060 CURED EPDM SELF ADHERING SEAM STRIPPING

NEW FLEXIBLE VAPOR BARRIER WITH COMPRESSIBLE INSULATION TO BELOW ROOF DECK

EXISTING NAILER

EXISTING EPDM MEMBRANE

EXISTING GYPSUM ROOF DECK AND ROOF STRUCTURE

22 GA METAL STUDS AT 16" O.C RUNNER ANCHORED TO CMU AT 8" O.C.

SEALANT

NEW 5/8" TYPE "X" ABUSE RESISTANT GYPSU BOARD ADHERED TO CMU - PROVIDE J-CHANNEL TRIM AT VERTICAL EDGES. PAINT TO MATCH WALLS

NEW 4" BLACK RESILIENT BASE

SEALANT

EXISTING CONCRETE AND CMU STRUCTURE

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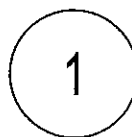


10-12-1

Addendum #1: ACRHS  
Minitorium Wall Panels

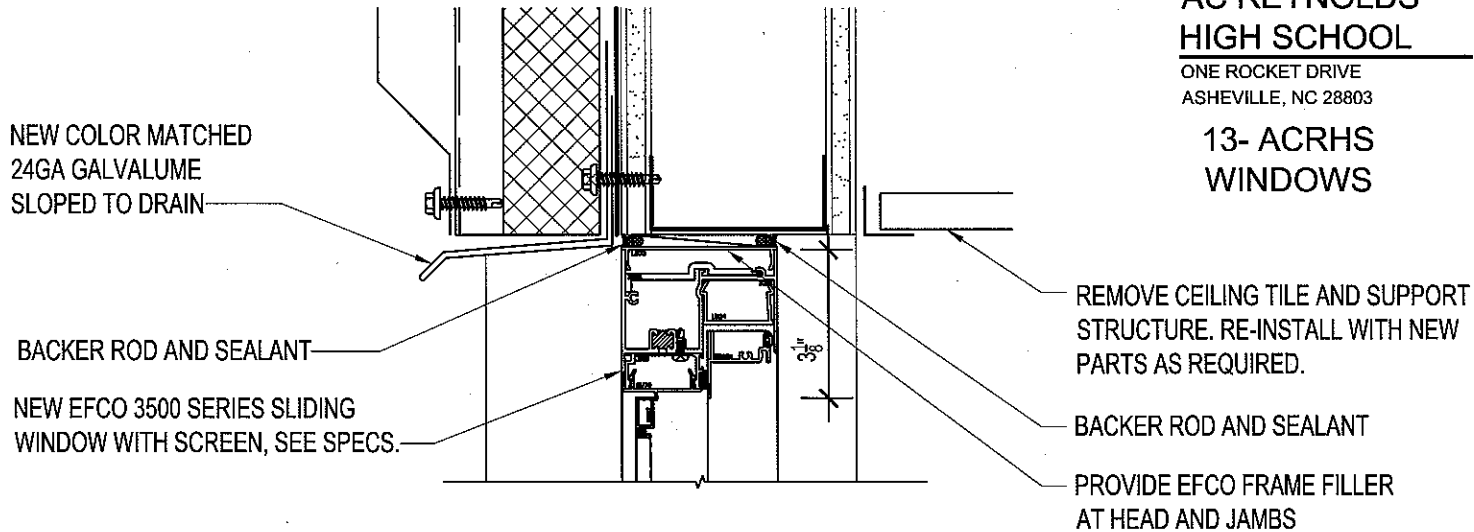
**SK-4**

DESIGNED BY: MBK  
DATE: OCTOBER, 12, 201



**WALL/SILL DETAIL**

3" = 1'-0"

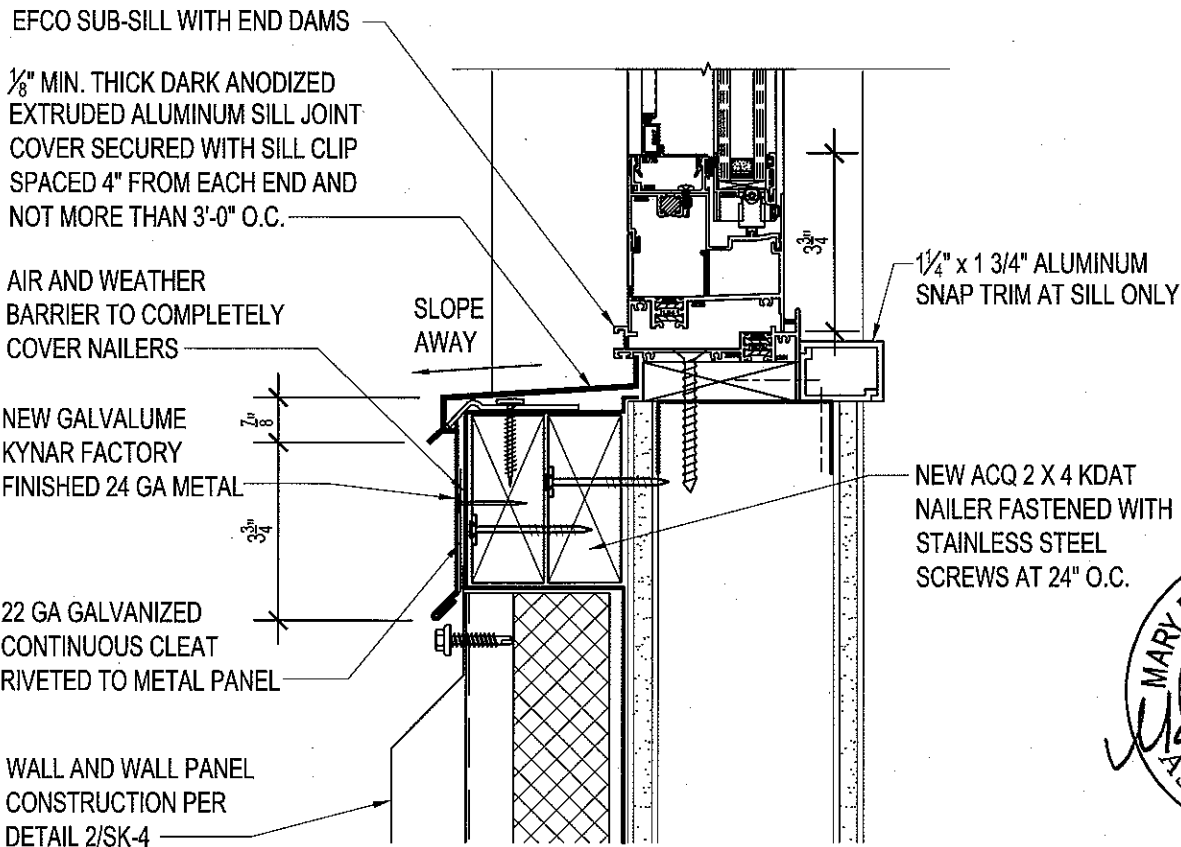


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10-12-12

**1 WINDOW HEAD /SILL DETAIL**

3" = 1'-0"

Addendum #1: ACRHS  
Minitorium Wall Panels

**SK-5**

DESIGNED BY: MBK  
DATE: OCTOBER, 12, 201



VERIFY NAILER CONDITION:  
NEW ACQ 2 X 4 KDAT NAILER  
FASTENED WITH STAINLESS  
STEEL SCREWS PRE-DRILLED  
AT 24" O.C.

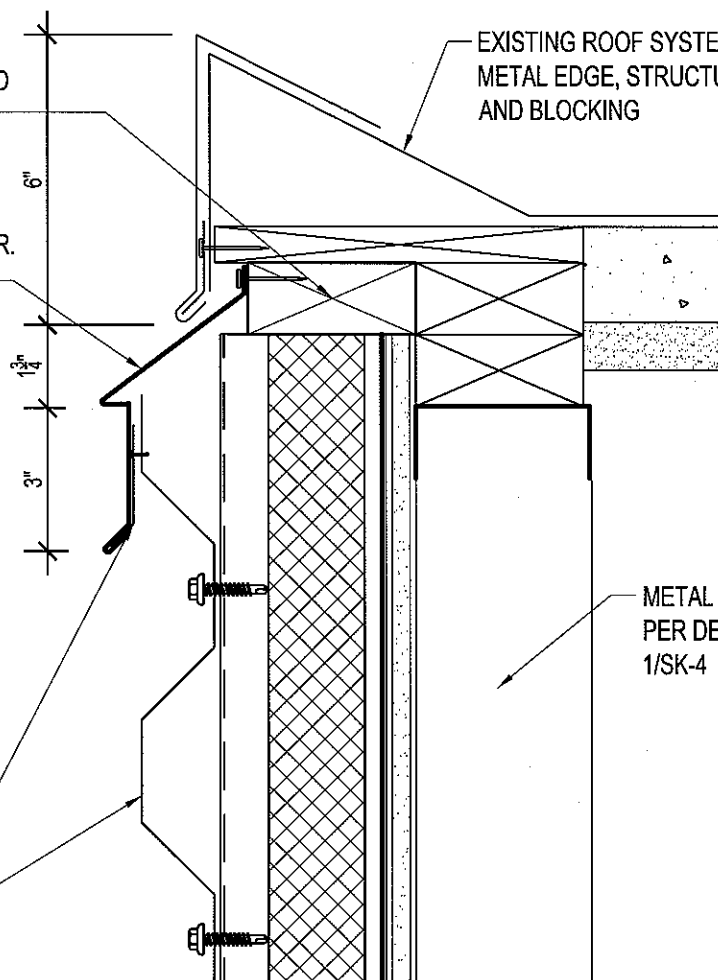
NEW GALVALUME KYNAR  
FACTORY FINISHED 24 GA  
METAL SAWCUT INTO MORTAR.  
SEAL WITH WATERBLOCK

EXISTING ROOF SYSTEM,  
METAL EDGE, STRUCTURE  
AND BLOCKING

22 GA GALVANIZED  
CONTINUOUS CLEAT  
RIVETED TO METAL PANEL

WALL AND WALL PANEL  
CONSTRUCTION PER  
DETAIL 2/SK-4

METAL STUDS  
PER DETAIL  
1/SK-4



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10-12-12

**1 WALL/HEAD/ROOF DETAIL**  
3" = 1'-0"

Addendum #1: ACRHS  
Minitorium Wall Panels

**SK-6**

DESIGNED BY: MBK  
DATE: OCTOBER, 12, 201

## SECTION 085113 - ALUMINUM WINDOWS

### PART 1 - GENERAL

#### 1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data, Shop Drawings, and color Samples.
- B. Provide AAMA- or WDMA-certified aluminum windows with an attached label.
- C. Field Measurements: Check window openings by field measurements before fabrication and show recorded measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the work.  
  
Provide window sizes and accessories as required to meet jurisdictional code requirements.
- D. Warranties: Total Window System
  - 1. The responsible contractor shall assume full responsibility and warrant for two years the satisfactory performance of the total window installation which includes that of the windows, hardware, glass (including insulated units), glazing, anchorage and setting system, sealing, flashing, etc., as it relates to air, water, and structural adequacy as called for in the specifications and approved shop drawings.
  - 2. Any deficiencies due to such elements not meeting the specifications shall be corrected by the responsible contractor at his expense during the warranty period.
- E. Glass and Glazing:
  - 1. All units shall be factory glazed.
  - 2. Reference Section 084413 for Glass and Glazing.
- F. Single Source Responsibility: All products listed shall be by the same manufacturer.

### PART 2 - PRODUCTS

#### 2.1 ALUMINUM WINDOWS

- A. Products:
  - 1. EFCO Corporation, Series 3500 Heavy Commercial (HS-HC60), Thermally Broken
- B. Window Types: The following types, as indicated on Drawings:
  - 1. Horizontal sliding.
  - 2. Fixed.
- C. Performance Requirements:
  - 1. Performance Class: The actual design pressure in pounds force per square foot used to determine structural test pressure and water test pressure.
    - a. Structural test pressure: Wind load test, is equivalent to 150 percent of the design pressure

## SECTION 085113 - ALUMINUM WINDOWS

- b. Water leakage resistance test pressure: is equivalent to 15 percent of the design pressure with 2.86 lbf/sq.ft. as a minimum for Heavy Commercial Windows.
  2. Performance Grade: 60.
  3. Condensation-Resistance Factor: 58 per AAMA 1503.
  4. Thermal Transmittance: Whole-window U-factor not more than [0.60 Btu/sq. ft. x h x deg F at 15-mph wind velocity and winter temperatures per AAMA 1503.
- D. Construction and Hardware: Provide manufacturer's hardware fabricated from aluminum, stainless steel, or other corrosion-resistant material compatible with aluminum and of sufficient strength to perform the function for which it is intended.
1. Aluminum Extrusions: Provide alloy and temper recommended by manufacturer for strength, corrosion resistance, and application of required finish, but not less than 22,000-psi ultimate tensile strength and not less than .062-inch thick at any location for main frame and sash members.
  2. Sash Rollers: Provide stainless-steel, ball-bearing sash rollers with nylon tires for sliding windows.
  3. Sash Lock: Cam-action sweep sash lock and keeper at meeting rails.
  4. Removable Lift-out Sash: Design windows and provide with tamperproof, key-operated hardware to permit removal of sash from inside for cleaning.
- E. Thermally Improved Construction:
1. All exterior aluminum shall be separated from interior aluminum by a rigid, structural thermal barrier. For purposes of this specification, a structural thermal barrier is defined as a system that shall transfer shear during bending and, therefore, promote composite action between the exterior and interior extrusions.
  2. Sills are thermally broken with 2 thermal struts, consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. All other frames and sash are thermally broken using the latest technology in two part, high density polyurethane. A nonstructural thermal barrier is unacceptable.
  3. Weep holes: Provide weep holes and internal passages to conduct infiltration water to exterior.
  4. Provide accessories required for installation in curtainwall system specified.
- F. Insect Screens: Design windows and hardware to accommodate screens in a tight-fitting arrangement, with a minimum of exposed fasteners and latches. Locate screens on outside of window and provide for each operable exterior sash or ventilator.

Comply with SM, 1004 "Specifications for Aluminum Tubular Frame Screens for Windows", for minimum standards of appearance, fabrication, attachment of screen fabric, hardware, and accessories unless more stringent requirements are indicated.

1. Aluminum Insect Screen frames and cross braces: Manufacturer's standard aluminum alloy in wall thickness as required for class indicated. Fabricate frames with mitered or coped joints, concealed fasteners, adjustable rollers and removable PVC spine/anchor concealing edge of frame.

**SECTION 085113 - ALUMINUM WINDOWS**

- 2. Finish: Match aluminum window members.
- 3. Glass-Fiber Mesh Fabric: 18 x 14 mesh of PVC coated, glass-fiber threads; woven and fused to form a fabric mesh resistant to corrosion, shrinkage, stretch, impact damage, and water deterioration in the following color. Comply with ASTM D 3656.
- 4. Mesh Color: Charcoal gray.
- 5. Weather stripping: Provide sliding-type weather stripping where sash rails slide horizontally or vertically align unit frame. Provide weather stripping locked into extruded grooves in sash.
- 6. Provide two additional screens and mounting hardware for each size and configuration operable window panel as specified.
- G. Glazing: All units shall be glazed with the manufacturer's standard sealant process provided the glass is held in place by a removable, extruded aluminum, glazing bead. The glazing bead must be isolated from the glazing material by a gasket.
  - 1. All lites (both sash and fixed) of the horizontal sliding window shall be inside glazed. **Solarban R100 to earth tone tinted glass. Provide color selection to Owner from PPG Earth and Sky collection.**

<u>Glass Types</u>	<u>U-Value</u>	<u>SHGC</u>
	1" IG: Exterior Lite: ¼" ANNEALED PPG Solarcool Gray Reflective #2 ½" AIR SPACE Interior Lite ¼" ANNEALED PPG Solarban 60 on Clear Low-E #3	0.27

\*U-Values are based on a nominal size of 80" (2032 mm) x 80" (2032 mm) with two lights of glass using AAMA 507-03 and NFRC-102.

- 2. All glazing to be tempered.
- H. Finish: Dark Bronze Anodized Aluminum.

**PART 3 - EXECUTION**

**3.1 INSTALLATION**

- A. Set units level, plumb, and true to line, without warp or rack of frames and panels. Provide proper support and anchor securely in place.
- B. Set sill members in bed of sealant or with gaskets, as indicated, to provide weathertight construction.

## **SECTION 085113 - ALUMINUM WINDOWS**

- C. Adjust operating panels, screens, and hardware to provide a tight fit at contact points and weather stripping for smooth operation and weathertight closure. Lubricate hardware and moving parts.
- D. Clean aluminum surfaces and glass immediately after installing windows. Remove nonpermanent labels from glass surfaces.

**END OF SECTION 085113**