



ADDENDUM NUMBER TWO

PROJECT: Gilham Elementary School Renovation and Expansion Phase 01
TO: Plan Holders and Plan Centers
FROM: GMA Architects
860 West Park Street Suite 300
Eugene, OR 97401
SUBJECT: Changes, Revisions, Clarifications, and Additions
DATE: 02 March 2016



The following deletions and additions are hereby made a part of Bidding and Contract Documents, effective this date.

PROJECT MANUAL

Item

1. Reference TABLE OF CONTENTS, Document 00 01 10, DIVISION 06:
Delete: 06 05 75 Preservative Wood Treatment
2. Reference POLISHED CONCRETE FINISHING, Section 03 35 43, 2.3 FINISHES:
Delete: 2.3 FINISHES in entirety.
3. Reference UNIT MASONRY, Section 04 20 00, 2.1 BRICK UNITS:
Add:
 - C. Integral Water Repellent Admixture: Polymeric liquid admixture added to Masonry at the time of manufacture.
 1. Performance of Masonry with Integral Water Repellent:
 - a. Water Permeance: ASTM E514-74, Class E Rating when tested for a minimum of 72 hours.
 - b. Flexural Bond Strength: ASTM C1357; minimum 10% increase.
 - c. Compressive Strength: ASTM C1314; maximum 5% decrease.
 - d. Drying Shrinkage: ASTM C1148; maximum 5% increase in shrinkage.
 2. Use only in combination with masonry Mortar and Grout produced with integral water repellent admixture.
 3. Manufacturers:
 - a. BASF Construction Chemicals, Rheopel Plus Mortar Admixture.
 - b. Grace Construction Products, Dry-Block Mortar Admixture.
 - c. Substitutions: See Section 01 60 00.
4. Reference UNIT MASONRY, Section 04 20 00, 2.5 ACCESSORIES:

- Add:
- C. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials. “Fabrikleen Masonry Cleaner Type R” by Mutual Materials Co., or approved.
 - D. Penetrating Water Repellant: Clear water repellant containing a minimum 7% silane-siloxane blend formulated for masonry specified for this project.

5. Reference UNIT MASONRY, Section 04 20 00, PART 3 – EXECUTION:

- Add:
- 3.14 PENETRATING WATER REPELLANT
 - A. New masonry and mortar shall cure a minimum of 28 days prior to installation.
 - B. Verify that surfaces are clean.
 - C. Apply per manufacturer’s instructions and as many coats as recommended.
 - D. Apply to existing masonry where affected by new work. Continue to the nearest complete existing joint for uniform appearance.

6. Reference PRESERVATIVE WOOD TREATMENT , Section 06 05 75:

Delete: Section in entirety.

7. Reference ROUGH CARPENTRY, Section 06 10 00, 2.6 FACTORY WOOD TREATMENT:

- Delete: B. Preservative Treatment: As specified in Section 06 05 75.
- Add:
- B. Preservative Treatment: Provide dry lumber with 19 percent maximum moisture content at time of dressing for 2-inch nominal thickness or less, unless otherwise indicated.
 - 1. Wood Lumber Grade: Select Structural.
 - 2. Wood Preservative: Alkaline copper quaternary (ACQ), disodium octaborate tetrahydrate (DOT), copper azole type C (CA-C), or inorganic boron (SBX), in locations and quantities according to AWPA UCS.
 - 3. Application: Treat unless otherwise indicated:
 - a. Wood cants, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.
 - b. Wood sills, sleepers, blocking, furring, stripping, and similar concealed members in contact with masonry or concrete.
 - c. Wood floor plates installed over concrete slabs.
 - 4. Acceptable fasteners: Hot-dipped galvanized per ASTM A153, silicone bronze, copper, or 304 or 316 stainless steel.
 - a. Provide type as required by AWPA and authorities having jurisdiction for product, application, and exposure.

8. Reference ALUMINUM-FRAMED STOREFRONT, Section 08 43 13:

2.1 MANUFACTURERS, A:

- Delete:
- “1. Storefront SF-1:[...]” in entirety
 - “2. Storefront SF-2:[...]” in entirety
 - “3. Storefront SF-3:[...]” in entirety
- Add:
- 1. Storefront SF-1:

- a. Product: Trifab VG 451 Framing System.
- b. Vertical Mullion Dimension: 2 inches wide by 4.5 inches deep.
- 2. Storefront SF-2:
 - a. Product: Trifab VG 451T Framing System.
 - b. Vertical Mullion Dimension: 2 inches wide by 4.5 inches deep.

2.2 STOREFRONT, A:

Delete: 2. Glazing Position: Centered (front to back).
 Add: 2. Glazing Position: Front.

Delete: 4. Finish: Class II natural anodized.
 Add: 4. Finish: Kawneer Permafluor Architectural Coating, Black color.

9. Reference ALUMINUM-FRAMED STOREFRONT, Section 08 43 13 (2.3):

Delete: "F. Aluminum Cladding Covers CMP-1[...] Section 01 60 00." in entirety.
 Add: F. Composite Wall Panel CWP-1

- 1. Manufacturer: Citadel Architectural Products, Inc. or approved
- 2. Product: GlazeGuard 1000 WR, Opaque Glazing Panels
 - a. Panel Composition:
 - 1) Face Skin: .010" (minimum) prefinished standard textured aluminum, painted to match Architect's color selection.
 - 2) Face Stabilizers: 5/32" thickness, high-density polypropylene
 - 3) Core: 5/8" Polyisocyanurate Foam (ISO) Core
 - 4) Back Skin: .010" (minimum) prefinished standard textured aluminum, painted to match Architect's color selection.
 - 5) R-Value: 5.85
 - b. Panel Tolerances:
 - 1) Thickness: $\pm 1/16$ "
 - 2) Length and Width: +0, -1/8"
 - 3) Squareness: 1/64" per lineal foot
 - c. Attachment System: To be used as glazing infill and stopped into glazing channel.
 - d. Color: As selected from manufacturer's standards.
- G. Composite Wall Panel CWP-2
 - 1. Manufacturer: Citadel Architectural Products, Inc. or approved
 - 2. Product: GlazeGuard 250 WR, Opaque Glazing Panels
 - a. Panel Composition:
 - 1) Face Skin: .010" (minimum) prefinished standard textured aluminum, painted to match Architect's color selection.
 - 2) Core: 5mm high density polypropylene
 - 3) Back Skin: .010" (minimum) prefinished standard textured aluminum, painted to match Architect's color selection.
 - b. Panel Tolerances:
 - 1) Thickness: $\pm 1/32$ "
 - 2) Length and Width: +0, -1/8"
 - 3) Squareness: 1/64" per lineal foot
 - c. Attachment System: To be used as glazing infill and stopped into glazing channel.

d. Color: As selected from manufacturer's standards.

10. Reference RESILIENT FLOORING AND BASE, Section 09 65 00:

Delete: 1.7 EXTRA STOCK in entirety.

11. Reference TESTING, ADJUSTING, AND BALANCING FOR HVAC, Section 23 05 93:

Delete: 1.01 SECTION INCLUDES in entirety.

Add: 1.01 SECTION INCLUDES

- A. Selective preconstruction measurements of existing air systems.
- B. Selective preconstruction measurements of existing hydronic system.
- C. Testing, adjustment, and balancing of completed new and/or modified air systems.
- D. Testing, adjustment, and balancing of completed new and/or modified hydronic systems. E. Selective post-construction measurements of existing air systems.
- E. Selective post-construction measurements of existing hydronic system.

12. Reference TESTING, ADJUSTING, AND BALANCING FOR HVAC, Section 23 05 93:

Delete: 3.08 PRE-CONSTRUCTION SCOPE in entirety.

Add: 3.08 PRE-CONSTRUCTION SCOPE

- A. TAB testing prior to construction is intended to confirm the ability of the existing hydronic system and selected air systems to deliver original design flowrates to the areas of the existing building where modifications will later be made.
- B. Take airflow readings of the following:
 - 1. At location of VAV system modified to serve new terminal units TU-1B-19 (Flex Rm B105A) and TU-1B-20 (Flex Rm B114A), measure airflow at POCs (Points of Connection) of new duct takeoff at design conditions PRIOR to system modifications.
 - 2. At existing HV-5 serving existing Admin Office area, measure existing design condition airflow supplied by fan, fresh airflow, and exhaust airflow.
 - 3. At existing HV-1 serving existing Classroom Pod E (Contractor shall confirm tag number), measure existing design condition airflow supplied by fan, fresh airflow, and exhaust airflow.
 - 4. At existing HV-2 serving existing Classroom Pod F (Contractor shall confirm tag number), measure existing design condition airflow supplied by fan, fresh airflow, and exhaust airflow.
- C. Take hydronic flow measurements of the following, under simulated heating design conditions:
 - 1. At each location where new piping tees are to be installed, measure coil flowrate at nearest upstream and downstream coil (total of 5 locations, and 10 existing coils).

2. At same design conditions, measure central pump head, flow, and pump motor load conditions. Note position of all valves used for balancing.

13. Reference TESTING, ADJUSTING, AND BALANCING FOR HVAC, Section 23 05 93, 3.09:

- Delete: 3.09 POST-CONSTRUCTION SCOPE in entirety.
 Add: 3.09 POST-CONSTRUCTION SCOPE
- A. Test, adjust, and balance the following:
1. All new air systems.
 2. Measure and record both new air and hydronic system parameters and existing air and hydronic flowrates at same locations where Preconstruction measurements were taken (as described in paragraph 3.08 above).
 3. Adjust hydronic system total flowrate at central pumps using existing balancing devices and components to provide total completed system design flowrate.
 4. If existing pumps either cannot deliver combined total system design flowrate, or if the hydronic system cannot be balanced using existing balancing provisions at central pumps, notify the Architect immediately.

DRAWINGS

Item

1. Reference Sheet C6.10:

SHEET NOTES

- Add: 12. PROVIDE TO ARCHITECT THE LOCATION, PIPE SIZE, AND ELEVATIONS OF ALL EXISTING SS AND SD PIPES AT NEW PIPE CONNECTION LOCATIONS.

Note 5

- Delete: Owner
 Add: Contractor

2. Reference Sheet AD2.12, Drawing 1:

- Delete: KEYNOTE 7 from Language Room C107.

3. Reference Sheet A2.12, Drawing 1:

- Delete: KEYNOTE 21 from Language Room C107.

4. Reference Sheet A8.10:

Drawing W01A

- Delete: SF-2 reference.

Drawing W01B

Delete: SF-2 reference.

Drawing W08

Delete: SF-2 reference.

Drawing W10

Delete: Drawing W10.

Add: Revised Drawing W10/ADD-2.1, attached. Revisions are clouded.

5. Reference Sheet A8.31:

Add: Drawing 13/ADD-2.1, attached.

6. Reference Sheet A8.40, Drawing 1:

Delete: Drawing 1.

Add: Revised Drawing 1/ADD-2.2, attached. Revisions are clouded.

7. Reference Sheet S8.11, Drawing 6:

Delete: BLOCKING AT PANEL EDGES SEE DTL. 3/S8.11

Add: BLOCKING AT PANEL EDGES SEE DTL. 1/S8.11

8. Reference Sheet E1.11:

Delete: REFERENCE NOTE 11 in entirety

Add: REFERENCE NOTE 11: CONNECT EXTERIOR FIXTURES TO (E) EMERGENCY POWER SYSTEM. EXTEND CIRCUITRY AS REQUIRED. PROVIDE LOCAL PHOTOCELL CONTROL AND PROVIDE A J-BOX ABOVE CEILING FOR TIE TO FUTURE LIGHTING CONTROLS.

9. Reference Sheet E1.12:

Delete: REFERENCE NOTE 3 in entirety

Add: REFERENCE NOTE 3: CONNECT EXTERIOR FIXTURES TO (E) EMERGENCY POWER SYSTEM. EXTEND CIRCUITRY AS REQUIRED. PROVIDE LOCAL PHOTOCELL CONTROL AND PROVIDE A J-BOX ABOVE CEILING FOR TIE TO FUTURE LIGHTING CONTROLS.

10. Reference Sheet E1.15:

Delete: REFERENCE NOTE 4 in entirety

Add: REFERENCE NOTE 4: CONNECT EXTERIOR FIXTURES TO (E) EMERGENCY POWER SYSTEM. EXTEND CIRCUITRY AS REQUIRED. PROVIDE LOCAL PHOTOCELL CONTROL AND PROVIDE A J-BOX ABOVE THE EXISTING POD PANEL (SEE REFERENCE NOTE 5) FOR TIE TO FUTURE LIGHTING CONTROLS.

PRODUCT APPROVALS

Add the following to the list of acceptable manufacturers and products as noted:

1. Reference METAL ROOF PANELS, Section 07 41 13 – Metal Sales Manufacturing Corporation.
2. Reference METAL WALL PANELS, Section 07 42 13 – Metal Sales Manufacturing Corporation.
3. Reference INTERCOMMUNICATION SYSTEM, Section 27 51 13:
 - a. Speakers – Telecor.
4. Reference Sheet E0.01 – Luminaire Schedule
 - a. Fixture Type A – HE Williams 17-4 Series.
 - b. Fixture Type D – Juno IC23 LEDT24 Series, Lightolier L5RAEUVA Series, Elite LED Lighting RL630 Series.
 - c. Fixture Type F – Lithonia DSXB LED Series, Oracle LED OBO-102 Series.
 - d. Fixture Type G – Nulite RW2 4D Series, Ledalite 2921LBKWN Series, Coronet LS2LED Series.
 - e. Fixture Type R – Finelite HP-6 Series, Coronet LSR6 Series.
 - f. Fixture Type W1 – Legion 135S15All Series.
 - g. Fixture Type W2 – Gardco 161-CSL-3 Series.
 - h. Fixture Type S1 – Day-Brite LF4FR Series, HE Williams 75-4 Series.

ATTACHMENTS: ADD-2.1, ADD-2.2

END OF ADDENDUM TWO



B ADDENDUM 2 02 MAR 2016

REVISIONS

PROJECT: GILHAM ELEMENTARY
SCHOOL RENOVATION & EXPANSION
PHASE 01

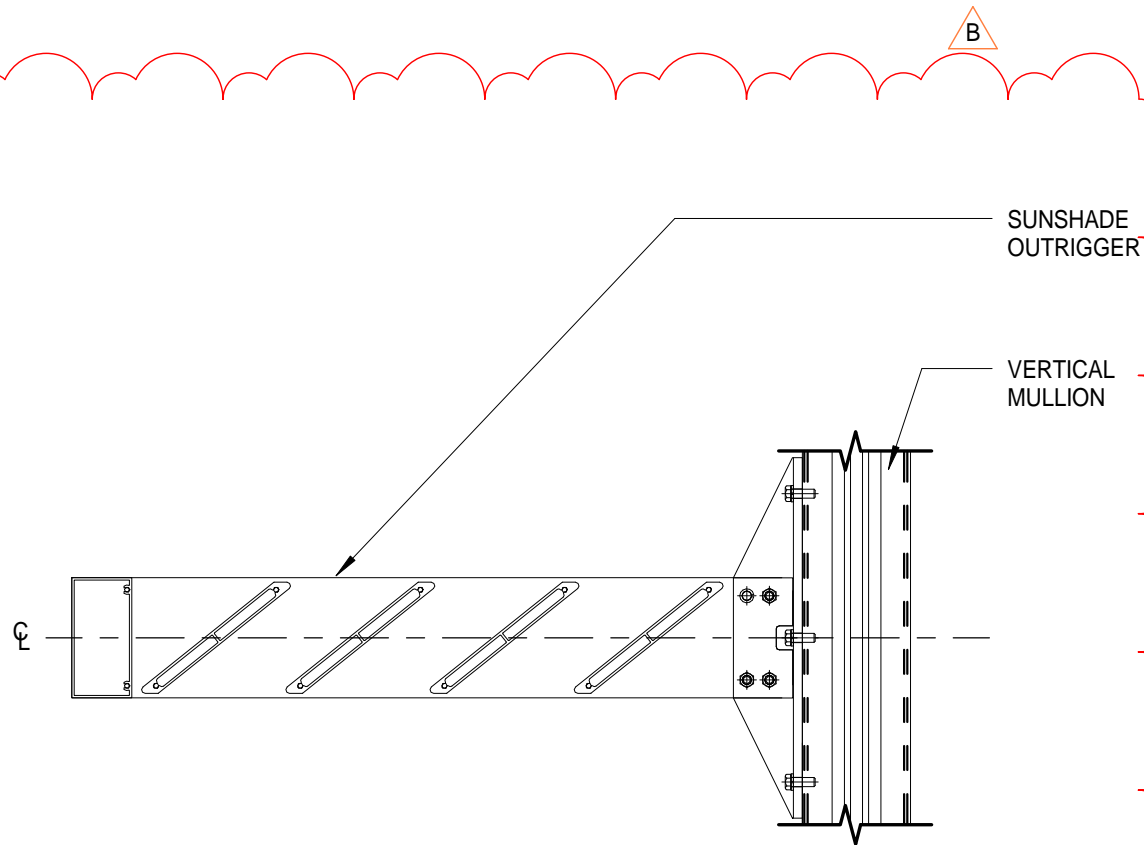
3307 HONEYWOOD STREET EUGENE,
OREGON 97408

SHT REF: W10/ A8.10 & 13/A8.31

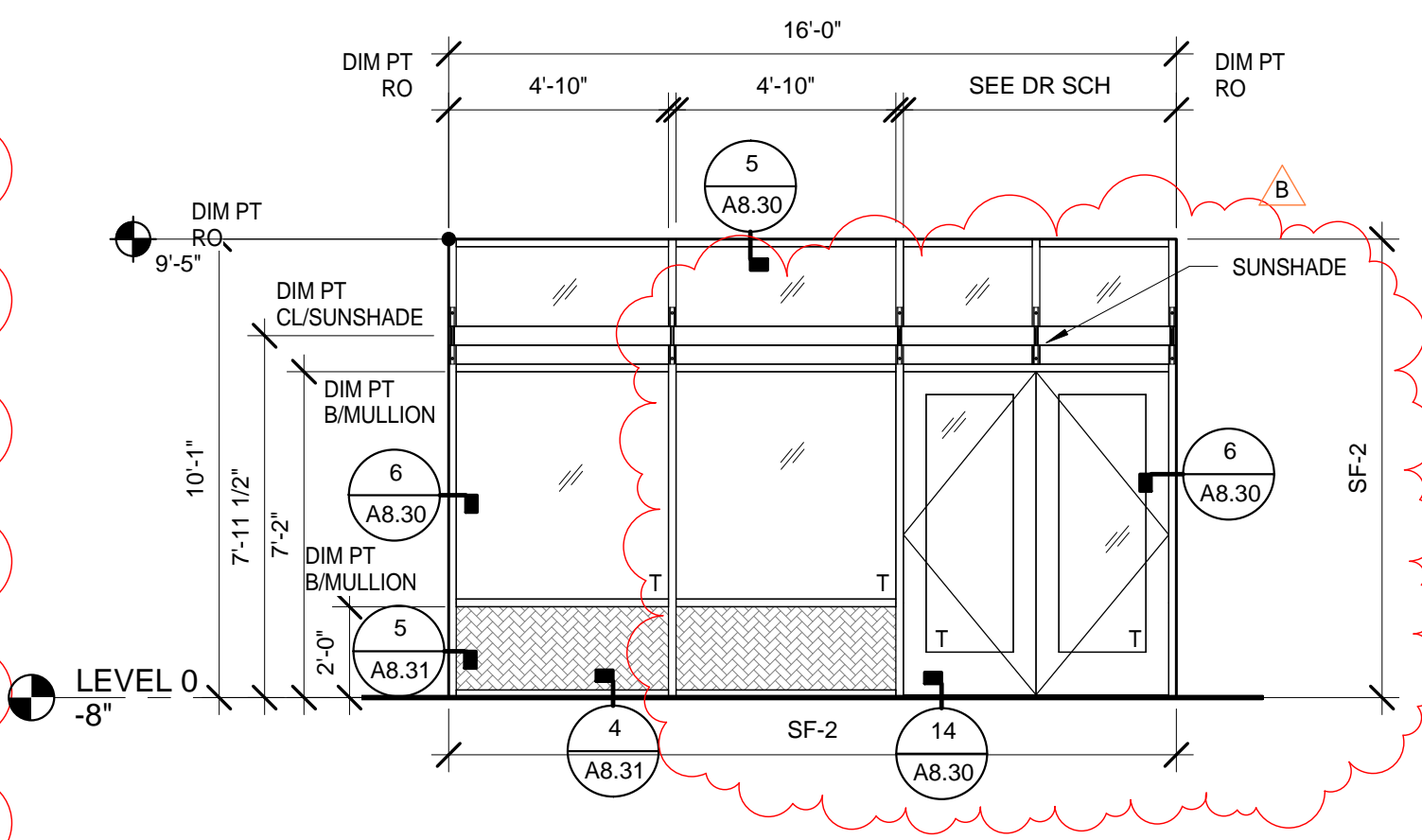
CIP: 410.193.003

ADD-2.1

02 MAR 2016
PROJECT NO.: 15775



13 SUNSHADE
1 1/2" = 1'-0"

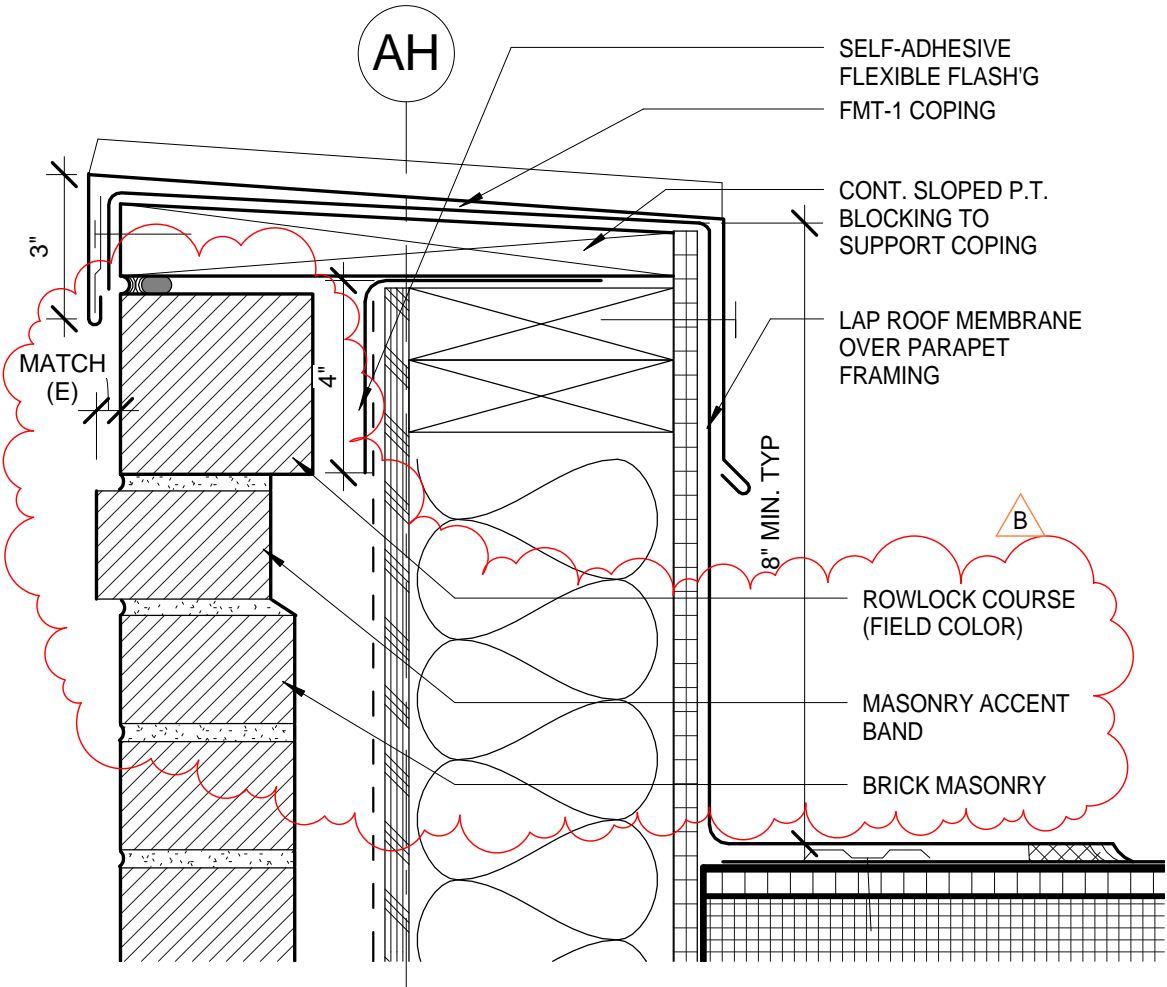


W10
1/4" = 1'-0"



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B ADDENDUM 2 02 MAR 2016

REVISIONS

1

PARAPET_BRICK

3" = 1'-0"

PROJECT: GILHAM ELEMENTARY
SCHOOL RENOVATION & EXPANSION
PHASE 01

3307 HONEYWOOD STREET EUGENE,
OREGON 97408

SHT REF: 1/ A8.40

CIP: 410.193.003

ADD-2.2

02 MAR 2016
PROJECT NO.: 15775