MULTISITE ROOFING 2015 Edison Elementary School Willagillespie Elementary School Education Center C.I.P. No. 450.780.209

ROBERTSON/SHERWOOD/ARCHITECTS pc 132 E. Broadway - Suite 540 Eugene, Oregon Project No. 1302



This Addendum forms a part of the Contract Documents and modifies the original Bid Documents dated May 19, 2015 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

PROJECT MANUAL

- 1. <u>INVITATION TO BID DOCUMENT 00 11 13</u>
 - A. Pre-Bid Conference: A non-mandatory pre-bid conference was held at 10:00 AM on Thursday, May 21 at the sites. A list of attendees is attached to this Addendum.
- 2. BID FORM DOCUMENT 00 41 13
 - A. <u>Delete</u> Bid Form. <u>Add</u> new Bid Form attached to this addendum. <u>Clarification</u>: New Bid Form includes alternate bid item for shingles at Edison Elementary School.
- 3. SUMMARY OF WORK SECTION 01 11 00
 - A. Article 1.2; change Paragraph A as follows:
 - "A. Project Identification: Project consists of reroofing at Edison Elementary School, reroofing and siding replacement at Willagillespie Elementary School, reroofing, structural HVAC supports, and modifications to existing HVAC system at Education Center, and related demolition work at the three sites in Eugene, Oregon."
- 4. ALTERNATES SECTION 01 23 00
 - A. Add Section 01 23 00 attached to this addendum.
- 5. <u>ASPHALT SHINGLES SECTION 07 31 13</u>
 - A. Add Section 07 31 13 attached to this addendum.
- 6. PAINTING AND COATING SECTION 09 90 00
 - A. Article 3.5, Paragraph B; <u>clarification</u>: Paint colors for fiber cement siding and wood trim shall match existing colors.

<u>DRAWINGS</u>

7. DRAWING SHEET G2

Scope of Work, Education Center, Line 4; <u>clarification</u>: Existing HVAC-2 weighs 8,500 lbs.

8. DRAWING SHEET A1

A. <u>Delete</u> Sheet A1. Add new revised Sheet A1 attached to this addendum.

9. DRAWING SHEET A3

A. Add Sheet A3 attached to this addendum.

10. DRAWING SHEET B2

- A. PANEL NAILING AT NORTH WING:
 - i) <u>Delete</u> panel nailing diagram.
 - ii) Add the following note:

"Refer to panel nailing diagram for joists at 13 1/2" oc on sheet B3."

B. KEY NOTES: Change second sentence of Note 2 to read:

"Provide 10d common nails at 6"oc along panel edges & (2) rows of 10d common nails at 12" oc per nailing diagram on Sheet B3 where (E) nailing pattern does not match nailing diagram."

11. DRAWING SHEET B4

A. <u>Delete</u> Sheet B4. <u>Add</u> new revised Sheet B4 attached to this addendum.

12. DRAWING SHEET B5

A. <u>Delete</u> Sheet B5, <u>Add</u> new revised Sheet B5 attached to this addendum.

13. <u>DRAWING SHEET B6</u>

A. Detail Q/B6, Section @ Sheathing: <u>Delete</u> detail. <u>Add</u> new Detail A/AD1-1 attached to this addendum.

14. DRAWING SHEET B8

A. Detail D/B8; <u>clarification</u>: Detail J/B8 applies to locations at existing windows. Detail L/B8 applies to remainder of east wall.

ATTACHMENTS

Pre-Bid Conference List of Attendees Document 00 41 13 – Bid Form Section 01 23 00 – Alternates Section 07 31 13 – Asphalt Shingles Revised Drawing Sheet A1 Revised Drawing Sheet A3 Revised Drawing Sheet B4 Revised Drawing Sheet B5 Drawing AD1 (Detail Q/B6)

END OF ADDENDUM NO. 1

SIGN-UP SHEET

PRE-BID CONFERENCE & WALK THRU Multisite Roofing 2015 Eugene, Oregon CIP # 420,780,209 Thursday, May 21, 2015 @ 10:00 AM

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linitial at Ed Cantar			>	>	>	>	>	>	>	>
	Phone and FAX	541-343-7143 fax 541-343-3306	541-302-6850 fax 541-302-6844	541-689-3850 fax 541-689-3915	541-484-1030 fax 541-484-1932	541-726-9194 fax 541-726-9290	541-743-1601 fax	541-944-1976 fax 541-773-5602	541-342-8077 fax 541-345-4302	541-790-7430 fax 541-790-7420
	Address and e-mail	862 W. 2nd Ave, Eugene, OR 97402 e-mail:Jmender@mccmail.biz	PO Box 224124, Eugene OR 97402 e-mail: patrick@umpquaroofing.com	1717 Irving Rd. Eugene, Or. 97402 e-mail: wburge@2gconstruction.com	767 Powers, Eugene, OR 97402 email: jefflutz@q.com	253 S 15th St,Springfield OR 97477 email: pm@smithsheetmetal.com	303 S. 5th St, Ste 110 Springfield OR 97477 email: mike@hunterfabrication.com	P.O. Box 8409 Medford, OR 97402 email: dave@blitzconstructionco.com	132 East Broadway, Eugene OR 97402 bhamilton@robertsonsherwood.com	715 W, 4th Ave, Eugene, OR 97402 e-mail: philpot@4j.lane.edu
CE & WALK THRU 209 0 AM	Company	McKenzie Commercial	I Umpqua Roofing	2G Construction	Als' Sheet Metal	Smith Sheet Metal	Hunter Fabrication	Blitz Construction	Robertson Sherwood Arch.	Eugene SD 4J Project Manager
PRE-BID CONFERENCE & WALK THRU Multisite Roofing 2015 Eugene, Oregon CIP#420,780,209 Thursday, May 21, 2015 @ 10:00 AM	Name	Jim Mender	Patrick Gay	Wilbur Burge	Jeff Lutz	Mack Landreth	Michael Hunter	Dave McFall	Brian Hamilton	Don Philpot

DOCUMENT 00 41 13 BID FORM

BID FOR:	Multisite Roofing 2015	CIP Number: 450.780.209				
Submitted to:	Facilities Management Eugene School District 4J 715 West Fourth Avenue3 Eugene, Oregon 97402	Bid Deadline: 3:00 PM June 4, 2015				
Submitted by:	(Company Name)					
perform all work	proposes to furnish all material, eq in strict accordance with the Contr ring on or prior to the dates indicat	nuipment, and labor required for the complete project, and to fact Documents for the lump sum prices indicated below with ted:				
Bid:	(Words)	\$				
	(Words)	(Figures)				
The undersigned Section 01 11 00	agrees, if awarded the Contract, to	substantially complete all work on or before the dates specified in				
ALTERNATE E The Undersigned Alternates as desc		dicated above the items of work relating to the following on 01 23 00.				
ALTERNATE N	O. 1: SHINGLES AT EDISON I	ELEMENTARY SCHOOL				
Bid:		\$				
	(Words)	(Figures)				

BID SECURITY

specified in Section 01 11 00.

Accompanying herewith is Bid Security, which is not less than ten percent (10%) of the total amount of the Base Bid plus additive alternates.

The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 1 work on or before dates

STIPULATIONS

The undersigned acknowledges the liquidated damages provision included in the Supplementary Conditions.

The undersigned agrees, if awarded the contract, to comply with the provisions of Oregon Revised Statutes 279C.800 through 279C.870 pertaining to the payment of prevailing rates of wage.

The undersigned agrees, if awarded the Contract, to execute and deliver to the Owner within ten (10) working days after receiving contract forms, an Agreement and a satisfactory Performance Bond and Payment Bond each in an amount equal to 100 percent (100%) of the Contract Sum.

For every Agreement of \$1000,000 or greater in value, all Contractors and Subcontractors, shall have a public works bond in the amount of \$30,000, filed with the Construction Contractors' Board (CCB), in compliance with ORS 279C.836, before starting work on the project unless exempt. Contractor agrees to provide a copy of the Contractor's BOLI Public Works bond with the signed Agreement as Specified in the Supplementary Conditions.

The undersigned agrees that the Bid Security accompanying this proposal is the measure of liquidated damages which the Owner will sustain by the failure of the undersigned to execute and deliver the above named agreement and bonds; and that if the undersigned defaults in executing that agreement within ten (10) days after forms are provided or providing the bonds, then the Bid Security shall become the property of the Owner; but if this proposal is not accepted within sixty (60) days of the time set for the opening of bids, or if the undersigned executes and delivers said agreement and bonds, the Bid Security shall be returned.

By submitting this Bid, the Bidder certifies that the Bidder:

- a) has available the appropriate financial, material, equipment, facility and personnel resources and expertise, or the ability to obtain the resources and expertise, necessary to meet all contractual responsibilities;
- b) has a satisfactory record of past performance;
- c) has a satisfactory record of integrity, and is not disqualified under ORS 279C.440;
- d) is qualified legally to contract with the Owner; and
- e) will promptly supply all necessary information in connection with any inquiry the Owner may make concerning the responsibility of the Bidder.

Prior to award of a Contract, the Bidder shall submit appropriate documentation to allow the Owner to determine whether or not the Bidder is "responsible" according to the above criteria.

The contractor agrees with the provisions of Oregon Revise shall demonstrate it has established a drug-testing program providing labor for the Project to do the same.	
The undersigned has received addenda numbers to the above Bid amounts.	o inclusive and has included their provisions in
The undersigned has visited the site to become familiar with has correlated the Bidder's personal observations with the re-	h conditions under which the Work is to be performed and equirements of the proposed Contract Documents.
The undersigned certifies that the Bidder is afilled in by Bidder)	_ Bidder under ORS. ("Resident" or "Non-resident", to be
Names of Firm:	
Street Address:	(City) (State) (Zip)
Telephone Number:	FAX Number:
Email Address:	
Signed By: Pr (Signature of Authorized Official. If bid is from a pa	inted Name:
Date Signed:	
Official Capacity:	
If corporation, attest:	Date:
(Secretary of Corporation) SEAL (If Corporate)	Corporation Partnership Individual

Enclosed: Bid Security, Non-Discrimination Requirement, Non-Collusion Affidavit, First-Tier Subcontractor Disclosure Form

Multisite Roofing 2015

SECTION 01 23 00 ALTERNATES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Description of alternates.
- B. Procedures for pricing alternates.
- C. Documentation of changes to Contract Sum and Contract Time.

1.2 RELATED REQUIREMENTS

- A. Document 00 21 13 Instructions to Bidders: Instructions for preparation of pricing for alternates.
- B. Document 00 41 13 Bid Form.
- C. Document 00 52 13 Form of Agreement: Incorporating monetary value of accepted alternates.

1.3 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each alternate.

1.4 SCHEDULE OF ALTERNATES

- A. Bid Alternate No. 1: Shingles at Edison Elementary School.
 - 1. Base Bid Item:
 - a. No shingles at Edison Elementary School.
 - b. Metal roof panels where shown on Drawings.
 - 2. Alternate Bid Item:
 - a. Delete metal roof panels.
 - b. Provide shingles at Edison Elementary School where shown on Drawings and at locations where new metal roof panels are shown on Drawings.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 07 31 13 ASPHALT SHINGLES

PART 1 GENERAL

1.1 SECTION INCLUDES

- Asphalt shingle roofing.
- B. Flexible sheet membranes for underlayment and valley protection.

1.2 RELATED REQUIREMENTS

- A. Section 01 23 00 Alternates
- B. Section 07 54 00 Thermoplastic Membrane Roofing.
- C. Section 07 62 00 Sheet Metal Flashing and Trim: Valley, Edge and Cap flashings.

1.3 REFERENCE STANDARDS

- A. ASTM D226/D226M- Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing; 2009.
- B. ASTM D1970/D1970M Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection; 2013.
- C. ASTM D3018/D3018M Standard Specification for Class A Asphalt Shingles Surfaced with Mineral Granules; 2011.
- D. ASTM D3161/D3161M Standard Test Method for Wind-Resistance of Steep Slope Roofing Products (Fan-Induced Method); 2014.
- E. ASTM D3462/D3642M Standard Specification for Asphalt Shingles Made From Glass Felt and Surfaced With Mineral Granules; 2010a.
- F. ASTM D4586/D4586M Standard Specification for Asphalt Roof Cement, Asbestos-Free; 2007 (Reapproved 2012)e1.
- G. ASTM E 96/E 96M Standard Test Methods for Water Vapor Transmission of Materials; 2013.
- H. ICC-ES AC188 Acceptance Criteria for Roof Underlayments; 2012.
- I. Miami (APD) Approved Products Directory; Miami-Dade County; database at www.miamidade.gov/development/product-control.asp.
- J. NRCA MS104 The NRCA Steep Roofing Manual; National Roofing Contractors Association; 2001, Fifth Edition, with interim updates.

1.4 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data indicating material characteristics.
- C. Shop Drawings: For metal flashings, indicate installation details.
- D. Samples: Submit two samples indicating color range and finish texture/pattern; for color selection.
- E. Manufacturer's Instructions: Indicate installation criteria and procedures.
- F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- G. Maintenance Materials; Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 Product Requirements, for additional provisions.
 - 2. Extra Shingles: 200 sq ft of extra shingles.

1.5 QUALITY ASSURANCE

- A. Perform Work in accordance with manufacturer's instructions and recommendations of NRCA Steep Roofing Manual.
 - 1. Maintain one copy of document on site.
- B. Products to conform to building code for minimum wind uplift resistance, and as specified herein.
- C. Products Required to Comply with Fire Resistance Criteria: UL listed and labeled.

1.6 FIELD CONDITIONS

A. Do not install shingles when surface temperatures are below 45 degrees F.

1.7 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a two year period after Date of Substantial Completion.
- C. Roofing and membrane flashing shall comply with a 40-year warranty, through the Contractor as called for in Section 00 73 00 Supplementary Conditions, after date of Substantial Completion.
- D. Roofing Contractor to warrant for proper placement of metal, provided by others as part of the Work, in contact with roofing.
- E. Warranty to include annual inspections and repair maintenance during this two year period.

1.8 ASBESTOS

A. All products used in this project shall contain 0% asbestos. Provide written confirmation.

PART 2 PRODUCTS

2.1 SHINGLES

- A. Manufacturers:
 - 1. GAF.
 - 2. Certainteed.
 - 3. Owens Corning.
 - 4. PABCO.
 - 5. Substitutions: See Section 01 60 00 Product Requirements.
- B. UL Certification of ASTM D3462; Conforms to ASTM D3018 Type I Self-Sealing; ASTM D3161-03b, Class "F" Wind Resistance (Regional); UL 790 Class A Fire Resistance; glass fiber mat base, ceramic coated and colored/UV resistant mineral, surfacing granules across entire face of shingle; algae resistant; three-layer laminated four-tab shingle.
 - 1. Weight: 240lb/100 sq ft.
 - 2. Color: Match.

2.2 COMPONENTS

- A. Underlayment: Asphalt saturated organic roofing felt, ASTM D226 type II, No #30 lb. Felt
- B. Shingle Starter at Eave and Rake Ends: 25 yr. four-tab shingles provided by same manufacturer.
- C. Valley Ice & Rain Protection Membrane: Self-adhering polymer-modified asphalt sheet complying with ASTM D 1970; 40 mil. Minimum total thickness; 36" width, with strippable treated release paper and polyethylene sheet top surface. Manufacturers: W.R. Grace, GAF, RGM, Owens Corning, IKO, Certainteed, Marlarkey or approved.
- D. Flexible Flashing: Self-adhering polymer-modified asphalt sheet complying with ASTM D 1970; 60

mil total thickness; with strippable treated release paper and polyethylene sheet top surface.

2.3 ACCESSORIES

- A. Nails: Standard round wire shingle type, of hot-dipped zinc coated steel, 12 gage, 0.105 inch shank diameter, 3/8 inch head diameter, of sufficient length to penetrate through roof sheathing or 7/8 inch into roof sheathing or decking.
- B. Staples: Staples not permitted.
- C. Ridge Shingles: Manufacturer's standard 25 yr. four-tab shingles.
- D. Underlayment Fastening: Angular shank, with plastic disk or metal disk. Penetrate through roof sheathing a minimum of 7/8 inch.
- E. Ridge Vents: Plastic, extruded with vent openings that do not permit direct water or weather entry; flanged to receive shingles.
- F. Attic Vents: Galvanized T-38, granulated to match roofing color.
- G. Plumbing and Electrical Penetration Roof Flashings: 24 ga galvanized base with neoprene gasket, sized to accommodate pipe diameter.
- H. Flue Vent Flashings: 0.020 inch stainless steel, No. 4 finish; with top support, storm collar, and sealant as required to make weather-tight; sized to accommodate pipe diameter.
- Plastic Cement: ASTM D 4586, asphalt roof cement.
- J. Lap Cement: Fibrated cutback asphalt type, recommended for use in application of underlayment, free of toxic solvents.
- K. Deck Tape: Self adhering peel and stick by MFM Building Products or approved.
- L Provide all necessary pipe, electrical, unit, valley, rake flashing, pitch pans, and step flashing sized properly prior to installation.
- M. Deck fasteners for loose decking. 8d galvanized nails

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify existing conditions prior to beginning work.
- B. Verify that deck is of sufficient thickness to accept fasteners.
- C. Coordinate installation of roof-mounted components or work projecting through roof. Verify that roof penetrations and plumbing stacks are in place and flashed to deck surface.
- D. Verify deck surfaces are dry, free of ridges, warps, or voids.
- E. Verify with General Contractor all required inspections have been made by governing authorities.

3.2 PREPARATION

- A. Completely remove all existing roofing martial, underlayment, and flashing from areas designated to receive new laminated asphalt roofing. Collect all debris and used nails from building site and properly dispose of material off site.
 - 1. Do not allow materials to accumulate on site.
- B. Broom clean deck surfaces before installing underlayment or valley protection.
- C. Remove all fasteners above roof surface from previous roof installations.
- D. Seal roof deck joints wider than 1/16 inch with deck tape.

- E. At areas where valley protection membrane is to be adhered to substrate, fill knot holes and surface cracks with latex filler.
- F. Cover voids in wood decks greater than 3 inches, and knot holes with sheet metal covers nailed securely to deck.
- G. When uncovered work is found to be loose or with raised fasteners above the sheathing face: Renail board or panel sheathing, tight to structure, with fasteners complying with Code and roof sheathing encountered. Locate fasteners in new sound material not previously used. Resetting of existing fasteners acceptable only with Architect and District's Project Representatives specific approval.

3.3 INSTALLATION - VALLEY ICE & RAIN PROTECTION MEMBRANE

- A. Place full sheet 36: (inches) wide minimum centered over valleys. Weather lap joints a minimum 2 inches. Weather lap end laps a minimum 6 inches.
- B. Install valley protection membrane in accordance with manufacturer's instructions.

3.4 INSTALLATION - UNDERLAYMENT

- A. Starting at eave, place 36 inch wide starter course perpendicular to slope of roof. Extend underlayment 1 inch over edge of eave.
- B. Place succeeding courses 36 inches wide positioned to overlap preceding sheet a minimum 2 inches. Stagger and offset end joints a minimum 6 feet. End laps 6 inches minimum.
- C. Fasten underlayment in place with angular shank nails with metal or plastic disk.
- D. At valleys, install and weave protective underlayment two full layers. **DO NOT** fasten or secure underlayment at Valley Ice & Rain Protective Membrane.

3.5 INSTALLATION - METAL FLASHING AND ACCESSORIES

- A. Install flashings in accordance with NRCA requirements and Section 07 62 00.
- B. Metal Drip Edge: Place metal drip edge flashing under protective underlayment tight with fascia boards at eaves and at all rake ends. Extend edge of flashing back onto roof a minimum 4 inches. Weather lap joints minimum 3 inches. Fasten in place with nails spaced 8 to 10 inches apart.
- C. Valley Flashing: Place one layer of sheet metal flashing over protective underlayment and valley ice & rain membrane, centered over open valley. Secure flange at edge a minimum 18 inches apart at both sides of valley with galvanized pan head screws with neoprene washers. Weather lap joints 8 inches minimum and caulk with two beads of sealant at all lapped joints.
- D. Wall Flashing: Step flashing will be used along all vertical masonry and wood walls. Step flashing to extend 4 inches onto roof. Fasten flashing with disc cleat at exterior of flashing to be concealed.
- E. Plumbing Flashing: Secure with disc cleat to be concealed at top of flange, and with prefinished screws with neoprene washers at exposed bottom edge of flange.
- F. Pitch Pockets: Orient top of pocket to be level. Secure flange to underlayment with flashing cement and mechanically fasten at corners with disk cleat concealed at top of flange and prefinished screws at exposed bottom edge of flange. Fill pocket with pourable elastomeric sealant after securing unit to anchor.
- G. Items projecting through or mounted on roof: Weather Lap and seal watertight with plastic cement.

3.6 INSTALLATION - SHINGLES

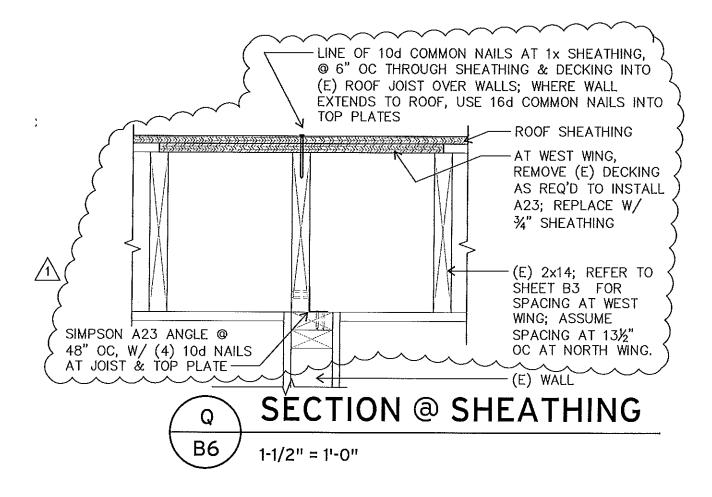
A. Underlayment shall be smooth and wrinkle free while installing asphalt shingles. **DO NOT** slice underlayment during shingle installation unless the slice is patched with another piece of underlayment extending 6" each direction of slice and weather lapped to underlayment above.

- B. Install a starter course with Shingle Starter at eaves as instructed by Manufacturer. Install Shingle Starter at rake ends of roof, a straight edge with a full shingle, a bleeder, so asphalt shingles are triple thickness.
- C. Extend shingles 1 inch minimum beyond flashing at gable ends.
- D. Project first course of shingles 1 inch beyond fascia boards at eave.
- E. Install shingles in coursing pattern to match existing. Install with 5 5/8 inch maximum exposure producing double thickness over full roof area. Secure shingles with four fasteners per shingle.
- F. Open Valley: Lap shingles over hemmed edge of metal valleys minimum 4 inches to maintain approximately 5 5/8 inch wide waterway. Provide uniform widths to valley waterways throughout project.
- G. Ridge: Install individual horizontal ridge shingles, maintaining 5 inch weather exposure. Ridge to be installed from east end of building back to the west. Place to avoid exposed fasteners.
- H. Coordinate installation of roof mounted components or work projecting through roof with weather tight placement of counter flashings.
- I. Complete installation to provide weather tight service.

3.7 PROTECTION

A. Do not permit traffic over finished roof surface.

END OF SECTION

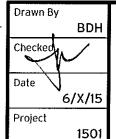




DETAIL Q/B6 REVISED

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

NORTH



ADDENDUM NO. 1

Robertson Sherwood Architects pc

132 East Broadway, Suite 540 Eugene, Oregon 97401

P 541 | 342,8077 F 541 | 345,4302 www.robertsonsherwood.com



AD1

MULTISITE ROOFING 2013 - C.I.P. #450.780.209

Edison Elementary School, Willagillespie Elementary School, & Education Center