

Addendum #2

Date: May 18, 2015
Project: E&H Partial Roof Replacement
Contract: FD-15-008

The work herein shall be considered part of the bid documents for the referenced project and carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Acknowledge receipt of addendum on the bid form as indicated.

General Information:

The dates for the project schedule have changed. Please review below.

May 15, 2015	Mandatory Site Visit at E&H Building Lobby (1:00PM EST)
May 19, 2015	Deadline for Questions (4:00PM EST)
May 20, 2015	Posting of Answers to Contractor Questions (4:00PM EST)
May 20, 2015	Final Date for Addendums
May 27, 2015	Proposals Due (3:00 PM EST)
June 2, 2015	Contractor Selection Date
June 11, 2015	Anticipated Start of Construction Date (subject to change)
June 28, 2015	Latest Date for Contract Award
September 17, 2015	Substantial Completion

END



DELAWARE STATE UNIVERSITY

OFFICE OF FACILITIES MANAGEMENT

1200 N. DuPont Highway
Dover, Delaware 19901-2277

**DSU Main Campus
E&H Partial Roof Replacement
Contract: FD-15-008
Mandatory Pre-bid Meeting
May 15, 2015 @ 1:00PM**

MEETING MINUTES

Meeting Location: Delaware State University
FD-15-008 – E&H Partial Roof Replacement
Dover, Delaware

Meeting Attendees:
(Refer to attached Sign-In Sheet)

1. **Attendee Sign-In:**
 - a. Sign-in sheet was circulated. All attendees are signed in. Sign-in sheet will be distributed as part of Addendum #2.
2. **Responsible Parties:**
 - a. DSU: Jessica Wilson, Director of Purchasing
 - b. DSU: J.D. Bartlett, Director of Planning and Construction
 - c. DSU: Natalie Glasco, Construction Project Manager
 - d. Architect of Record: Fearn Clendaniel Architects, Ben Garvin: Project Architect
3. **Explanation of the project:**
 - a. As outlined in the Bid Advertisement. All documents can be obtained through the state bidding system at http://bids.delaware.gov/bids_detail.asp?i=3070&DOT=N. Please contact ConstructionBid@desu.edu with any questions or concerns with obtaining bid documents.
 - b. Construction Schedule
 1. Earliest Start of Construction Date – June 11, 2015
 2. Substantial Completion Date – September 17, 2015
4. **Project Requirements:**
 - a. This project shall comply with all applicable State bid laws including, but is not limited to requirements for Bid Bonds, Payment Bonds, and Performance Bonds.
 - b. The State of Delaware Prevailing Wage Regulations apply to this project. Refer to the project manual for further information.
5. **Bid Form Review:**
 - a. The Bid Form was briefly outlined. It is essential that bid be submitted in its entirety including required forms & attachments, as indicated in the specifications. Submitted bid shall be lump sum. Submitted bid shall include pricing for each alternate.
 - b. Subcontractors List section of the bid form shall not be left blank for any reason. Noncompliance may result in a rejection of submitted bid. If bidding contractor is doing the work in the place of a subcontractor, indicate accordingly on said form. The following subcontractor categories have been established and shall be reflected in each bid:
 1. N/A
6. **Bid Submission:**

RE: FD-15-008 – E&H Partial Roof Replacement
Mandatory Pre-Bid Meeting Minutes
May 18, 2015

- a. Bids will be accepted until **May 27, 2015, 3:00 PM**, at the Administration Building in Room 321 of the Delaware State University, Dover Campus. Bids will be publically opened and read immediately.
7. **Document Interpretations or Questions:**
 - a. All bidding related questions should be submitted in writing to ConstructionBid@desu.edu. Questions, answers to questions, and clarifications will be provided via addendum.
 - b. Submit all requests and questions, in writing via email, no later than **May 19, 2015, 4:00 PM**.
8. **Addenda**
 - a. The final addendum will be issued on, or before, **May 20, 2015**.
9. **Question and Answers**
 - a. **Question:**
Answer:

These notes represent the author's understanding of the issues discussed. Please contact the author with any discrepancies no later than three calendar days after receipt of these minutes. Otherwise, the contents of these minutes will be deemed accepted by all recipients.

/jdb

Enclosure(s): Pre-bid Sign-in Sheet

cc: All Attendees

Facilities Management File: N:\Planning and Construction\Projects\Education & Humanities Building\FD-15-008 Partial Roof Replacement\03-Bidding\Pre-bid Meeting

Attendee	Company Information	Attach Business Card
Printed Name: <u>Matt Papa</u> Signature: <u>[Signature]</u> Primary Contact: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Primary Contact: _____	Company: <u>PSC roofing inc</u> Email: <u>mat#@Pcroofinginc.com</u> Phone: <u>(302) 322-6767</u> Email Bid Updates: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Printed Name: <u>Joseph Adams</u> Signature: <u>[Signature]</u> Primary Contact: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Primary Contact: <u>Jim McKeever</u>	Company: <u>Wilkinson</u> Email: <u>jadams@wilkinsonroofing.com</u> Phone: <u>302.998.0176</u> Email Bid Updates: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Printed Name: _____ Signature: _____ Primary Contact: <input type="checkbox"/> YES <input type="checkbox"/> NO Primary Contact: _____	Company: _____ Email: _____ Phone: _____ Email Bid Updates: <input type="checkbox"/> YES <input type="checkbox"/> NO	

Attendee	Company Information	Attach Business Card
Printed Name: <u>Buck High</u> Signature: <u>Buck High</u> Primary Contact: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Primary Contact: _____	Company: <u>TRI-STATE ROOFERS</u> Email: <u>bhigh01@comcast.net</u> Phone: <u>302-995-7027</u> Email Bid Updates: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Printed Name: _____ Signature: _____ Primary Contact: <input type="checkbox"/> YES <input type="checkbox"/> NO Primary Contact: _____	Company: _____ Email: _____ Phone: _____ Email Bid Updates: <input type="checkbox"/> YES <input type="checkbox"/> NO	
Printed Name: _____ Signature: _____ Primary Contact: <input type="checkbox"/> YES <input type="checkbox"/> NO Primary Contact: _____	Company: _____ Email: _____ Phone: _____ Email Bid Updates: <input type="checkbox"/> YES <input type="checkbox"/> NO	

Attendee	Company Information	Attach Business Card
Printed Name: <u>Taylor Crabb</u> Signature: <u>Taylor Crabb</u> Primary Contact: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Primary Contact: <u>MARK CRABB</u>	Company: <u>CTA Roofing</u> Email: <u>MARK@CTARoofing.com</u> Phone: <u>302-454-8551</u> Email Bid Updates: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Printed Name: _____ Signature: _____ Primary Contact: <input type="checkbox"/> YES <input type="checkbox"/> NO Primary Contact: _____	Company: _____ Email: _____ Phone: _____ Email Bid Updates: <input type="checkbox"/> YES <input type="checkbox"/> NO	
Printed Name: _____ Signature: _____ Primary Contact: <input type="checkbox"/> YES <input type="checkbox"/> NO Primary Contact: _____	Company: _____ Email: _____ Phone: _____ Email Bid Updates: <input type="checkbox"/> YES <input type="checkbox"/> NO	



BID FORM

Project: FD-15-008 – E&H Roof Replacement

Location: Delaware State University
E&H Building, Main Campus
1200 N. DuPont Hwy.
Dover, DE.

For Bids Due: May 27, 2015 @ 3:00 PM EST

To: Delaware State University
Administration Bldg,
Purchasing, Room 321
1200 N. DuPont Highway
Dover, DE 19901-2277
Attn: Jessica Wilson
Director of Purchasing

Name of Bidder: _____

Delaware Business License No.: _____ **Taxpayer ID No.:** _____
(A copy of Bidder's Delaware Business License must be attached to this form.)

(Other License Nos.): _____

Phone No.: () _____ - _____ **Fax No.:** () _____ - _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (Written Out).

(\$ _____) (Figures).

[This price includes all allowances as documented within the project manual.]

A. ALTERNATES (Note: project is subject to prevailing wages)

1. Alternates: Alternate prices conform to applicable project specification section. Refer to the drawing specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossing out the part that does not apply.

a. **Alternate #1:** Area A & Area B Net - ADD / DEDUCT

- _____ (Figures).
- _____ (Written Out).

b. **Alternate #2:** Area C Net - ADD / DEDUCT

- _____ (Figures).
- _____ (Written Out).

c. **Alternate #3:** Net - ADD / DEDUCT

- _____ (Figures).
- _____ (Written Out).

B. UNIT PRICES

1. Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

UNIT PRICE No. 1: Metal Coping & Attachment Clip (Units: Linear Feet)

 \$ _____ **ADD/ DEDUCT**

UNIT PRICE No. 2: Demolition/ Patching EIFS & Installation of New Metal Flashing at Perimeter
(Units: Linear Feet)

 \$ _____ **ADD/ DEDUCT**

UNIT PRICE No. 3: Retro-Fit Roofing System, including SSR Standing Seam Mtl Roof, Roof Hugger & Insulation
Units: Square Feet

 \$ _____ **ADD/ DEDUCT**

UNIT PRICE No. 4: Extending Existing Plumbing +/-2" Diam. Vent Stacks +/-8"
Units: Per Location

 \$ _____ **ADD/ DEDUCT**

UNIT PRICE No. 5: Metal Gutter (Units: Linear Feet)

 \$ _____ **ADD/ DEDUCT**

UNIT PRICE No. 6: WD Blocking Installed (Units: Board Feet)

 \$ _____ **ADD/ DEDUCT**

UNIT PRICE No. 7: Metal Soffit & Fascia Panel (Units: Square Feet)

 \$ _____ **ADD/ DEDUCT**

UNIT PRICE No. 8: Patch EPDM Roofing at Parapets (Units: Square Feet)

_____ \$ _____ **ADD/ DEDUCT**

UNIT PRICE No. 9: Downspouts & Attachment Brackets (Units: Per Location & Linear Feet)

_____ \$ _____ **ADD/ DEDUCT**

C. WORK SCHEDULE

1. We understand that this contract is governed by liquidated damages and that submission of this bid is acceptance of the proposed contract completion date. Our proposed detailed project schedule shows more fully the sequence of activities necessary to meet the specified schedule. The project schedule is a required attachment of a complete bid and failure to submit a viable schedule will be a justifiable reason to deem the bid as incomplete.

2. I/We can begin work _____ calendar days after notification of award and will require **98** calendar days thereafter to complete the work. Work on the project will begin _____ calendar days after Letter of Intent.

3. **Alternative Work Hours**

Work during "regular hours" at this site is being performed on a single shift, eight hours per day, 7:30 AM to 4:30 PM, and five days per week, Monday through Friday. To meet the schedule established on the basis of Item 1 above, our proposed work hours will be _____ hours per day, _____ AM to _____ PM, and _____ days per week, _____ through _____ the cost of which is reflected in our lump sum price. Our lump sum price also includes any mandatory off-hours work required per special conditions.

D. SITE SUPERINTENDANT

We propose to use _____ as our site superintendent. A resume of his/her qualifications is attached.

We understand that DSU reserves the right to interview him/her prior to contract award/prior to start of work and to reject him/her if not considered acceptable. If rejected, we will propose alternate personnel for the position who will be subject to the same review and acceptance procedure, at no increase in our lump sum proposal.

We also understand DSU reserves the right to reject our bid if we are unable to provide a site supervisor acceptable to DSU within thirty (30) calendar days after submission of this bid.

E. REMARKS

1. I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

2. This bid shall remain valid and cannot be withdrawn for thirty (30) days from the date of opening of bids (60 days for School Districts and Department of Education), and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

3. The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.
4. This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.
5. Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____calendar days of the Notice to Proceed.
6. Our Bid Price(s) are firm based on contract award within thirty (30) calendar days of the date of submittal of this bid.
7. I/We understand that we will not be compensated at a later date for claimed additional costs based on any information received during the bid period, but which is not identified in our proposal and subsequently accepted in writing by DSU.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)

Date: _____

ATTACHMENTS

- Sub-Contractor List
- Non-Collusion Statement
- Bid Security
- Construction Schedule
- Resume of Site Superintendent
- (Others as Required by Project Manuals)

END OF SECTION 00 41 13

STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____
_____ of _____ in the County of _____
and State of _____ as **Principal**, and _____
_____ of _____ in the County of _____ and State of _____
as **Surety**, legally authorized to do business in the State of Delaware (“**State**”), are held and firmly unto the **State**
in the sum of _____ Dollars (\$_____),
or _____ percent not to exceed _____
_____ Dollars (\$_____) of amount of bid on Contract No. _____, to be
paid to the **State** for the use and benefit of _____ (*insert State agency
name*) for which payment well and truly to be made, we do bind ourselves, our and each of our heirs, executors,
administrators, and successors, jointly and severally for and in the whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded **Principal** who has
submitted to the _____ (*insert State agency name*) a certain proposal to
enter into this contract for the furnishing of certain material and/or services within the **State**, shall be awarded this
Contract, and if said **Principal** shall well and truly enter into and execute this Contract as may be required by the
terms of this Contract and approved by the _____ (*insert State
agency name*) this Contract to be entered into within twenty days after the date of official notice of the award
thereof in accordance with the terms of said proposal, then this obligation shall be void or else to be and remain in
full force and virtue.

Sealed with _____ seal and dated this _____ day of _____ in the year of our Lord two
thousand and _____ (20____).

SEALED, AND DELIVERED IN THE
Presence of

Name of Bidder (Organization)

Corporate
Seal

By:

Authorized Signature

Attest _____

Title

Name of Surety

Witness: _____

By:

Title

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID # or Delaware Business license #</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date *(to the Office of Management and Budget, Division of Facilities Management)*.

All the terms and conditions of *(Project or Contract Number)* have been thoroughly examined and are understood.

NAME OF BIDDER: _____

**AUTHORIZED REPRESENTATIVE
(TYPED):** _____

**AUTHORIZED REPRESENTATIVE
(SIGNATURE):** _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

DIVISION 1

GENERAL

AIA DOCUMENT A201, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, 2007 EDITION, ARE HEREBY INCORPORATED INTO THE CONTRACT DOCUMENTS AS IF COMPLETELY REPRODUCED HEREIN, EXCEPT AS SPECIFICALLY MODIFIED BY THE CONTRACT DOCUMENTS.

ALL WORK SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL CODES, APPLICABLE LAWS AND REGULATIONS, AND ALL APPLICABLE REQUIREMENTS OF REGULATORY AGENCIES. IF THERE IS CONFLICT AMONG THE DRAWINGS, SPECIFICATIONS, OTHER CONTRACT DOCUMENTS, CODES OR REGULATIONS, THE STRICTEST STANDARDS SHALL APPLY. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF THERE IS SUCH A CONFLICT WITH THE CONTRACT DOCUMENTS.

ITEMS OF WORK INDICATED ON THE DRAWINGS, BUT NOT SPECIFIED, AND ITEMS OF WORK SPECIFIED, BUT NOT SHOWN ON THE DRAWINGS, SHALL BE CONSIDERED REQUIRED AS IF INDICATED IN BOTH. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK, AND ARE PARTLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS OR TO SERVE AS SHOP DRAWINGS.

VERIFY ALL PROJECT CONDITIONS, DIMENSIONS, AND DETAILS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES IN THE DOCUMENTS FOR CORRECTION BY THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.

ALL WORK SHALL BE PERFORMED BY SKILLED MECHANICS EXPERIENCED IN THEIR RESPECTIVE TRADES. INSTALL ITEMS IN ACCURATE LOCATION, PLUMB, LEVEL, SQUARE, PARALLEL, STRAIGHT, FLUSH, IN PLANE LINE, TRUE TO SHAPE, AND NEAT. CHECK THE WORK OF EACH TRADE FOR SOUNDNESS OF CONSTRUCTION, LOCATION, WORKMANSHIP AND OTHER SUITABILITY, AND PROCEED ONLY AFTER ALL IMPERFECTIONS HAVE BEEN ELIMINATED.

AS WORK PROGRESSES, KEEP THE PROJECT SITE FREE FROM ACCUMULATION OF WASTE MATERIALS, DEBRIS, AND RUBBISH. AT THE COMPLETION OF THE PROJECT, REMOVE FROM THE BUILDING AND SURROUNDING AREA ALL WASTE MATERIALS, DEBRIS, EQUIPMENT, TOOLS, SCAFFOLDING. SURPLUS MATERIALS NOT OTHERWISE INDICATED TO BE RETAINED BY THE OWNER SHALL ALSO BE REMOVED FROM THE SITE.

MODIFICATION PROCEDURES

OWNER-INITIATED CHANGE ORDER PROPOSAL REQUESTS: THE ARCHITECT WILL ISSUE A DESCRIPTION OF THE PROPOSED CHANGES IN THE WORK THAT REQUIRE AN ADJUSTMENT IN THE CONTRACT SUM OR TIME. THE DESCRIPTION MAY INCLUDE SUPPLEMENTAL OR REVISED DRAWINGS OR SPECIFICATIONS. PROPOSAL REQUESTS ARE FOR INFORMATION ONLY AND ARE NOT AN INSTRUCTION TO STOP WORK, OR TO EXECUTE THE PROPOSED CHANGE. WITHIN 14 CALENDAR DAYS, SUBMIT AN ESTIMATE OF THE COST NECESSARY TO EXECUTE THE CHANGE FOR THE OWNER'S REVIEW. INCLUDE AN ITEMIZED LIST OF PRODUCTS REQUIRED AND UNITS COSTS, ALONG WITH ANY ADDITIONAL COSTS INCLUDING MARKUPS AND OVERHEAD. INDICATE THE EFFECT ON THE CONTRACT SUM AND THE CONTRACT TIME.

CONTRACTOR-INITIATED PROPOSALS: WHEN UNFORESEEN CONDITIONS REQUIRE MODIFICATIONS, THE CONTRACTOR MAY SUBMIT A REQUEST FOR A CHANGE TO THE OWNER AND ARCHITECT. DESCRIBE THE PROPOSED CHANGE. INDICATE THE REASONS FOR THE CHANGE AND THE EFFECT OF THE CHANGE ON THE CONTRACT SUM AND THE CONTRACT TIME. INCLUDE AN ITEMIZED LIST OF THE PRODUCTS REQUIRED AND UNIT COSTS, ALONG WITH ANY ADDITIONAL COSTS INCLUDING MARKUPS AND OVERHEAD.

COORDINATION

COORDINATE CONSTRUCTION OPERATIONS INCLUDED IN THE VARIOUS TRADES OF THE WORK TO ASSURE EFFICIENT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK. COORDINATE CONSTRUCTION OPERATIONS OF DIFFERENT TRADES THAT DEPEND ON EACH OTHER FOR PROPER INSTALLATION, CONNECTION, AND OPERATION.

SCHEDULE CONSTRUCTION OPERATIONS IN THE SEQUENCE REQUIRED TO OBTAIN THE BEST RESULTS, WHETHER INSTALLATION OF ONE PART OF THE WORK DEPENDS ON THE INSTALLATION OF OTHER COMPONENTS, BEFORE OR AFTER ITS OWN INSTALLATION.

MAKE PROVISIONS TO ACCOMMODATE ITEMS SCHEDULED FOR LATER INSTALLATION.

INSPECTION OF CONDITIONS: REQUIRE THE INSTALLER OF EACH MAJOR COMPONENT TO INSPECT BOTH THE SUBSTRATE AND CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER.

COORDINATE TEMPORARY ENCLOSURES WITH REQUIRED INSPECTIONS AND TESTS TO MINIMIZE THE NECESSITY OF UNCOVERING COMPLETED CONSTRUCTION FOR THAT PURPOSE.

SUBMITTALS

COORDINATE SUBMITTAL PREPARATION WITH CONSTRUCTION, FABRICATION, AND OTHER SUBMITTALS, AND ACTIVITIES THAT REQUIRE SEQUENTIAL OPERATIONS. TRANSMIT IN ADVANCE OF CONSTRUCTION OPERATIONS TO AVOID DELAY. SUBMITTALS SHALL BE PROVIDED FOR ALL WORK OF THE PROJECT.

PROCESSING: ALLOW (7) CALENDAR DAYS FOR REVIEW. ALLOW MORE TIME IF THE ARCHITECT MUST DELAY PROCESSING TO PERMIT COORDINATION. THE ARCHITECT RESERVES THE RIGHT TO WITHHOLD ACTION ON A SUBMITTAL REQUIRING COORDINATION UNTIL RELATED SUBMITTALS ARE RECEIVED.

SHOP DRAWINGS: SUBMIT NEWLY PREPARED INFORMATION DRAWN TO SCALE. INDICATE DEVIATIONS FROM THE CONTRACT DOCUMENTS. DO NOT REPRODUCE THE CONTRACT DOCUMENTS OR COPY STANDARD INFORMATION. SUBMIT ONE CORRECTABLE, REPRODUCIBLE PRINT AND ONE BLUE OR BLACK LINE PRINT ON SHEETS AT LEAST 8-1/2 INCHES BY 11 INCHES, BUT NO LARGER THAN 30 INCHES BY 42 INCHES. THE ARCHITECT WILL RETURN THE REPRODUCIBLE PRINT.

SAMPLES: SUBMIT FULL-SIZE SAMPLES CURED AND FINISHED AS SPECIFIED, AND IDENTICAL WITH THE MATERIAL PROPOSED. MOUNT THE SAMPLES TO FACILITATE REVIEW OF QUALITIES. SUBMIT SAMPLES FOR REVIEW OF SIZE, KIND, COLOR, PATTERN, AND TEXTURE, FOR A CHECK OF THESE CHARACTERISTICS, AND FOR A COMPARISON OF THESE CHARACTERISTICS BETWEEN THE FINAL SUBMITTAL AND THE ACTUAL COMPONENT AS DELIVERED AND INSTALLED.

PRODUCT DATA: COLLECT PRODUCT DATA INTO A SINGLE SUBMITTAL FOR EACH ELEMENT OF CONSTRUCTION. MARK EACH COPY TO SHOW APPLICABLE CHOICES AND OPTIONS. WHERE PRODUCT DATA INCLUDES INFORMATION ON SEVERAL PRODUCTS, MARK COPIES TO INDICATE APPLICABLE INFORMATION. SUBMIT 4 COPIES. THE ARCHITECT WILL RETAIN ONE AND RETURN THE OTHERS MARKED WITH ACTION TAKEN.

MATERIALS AND EQUIPMENT

SOURCE LIMITATIONS: TO THE FULLEST EXTENT POSSIBLE, PROVIDE PRODUCTS OF THE SAME KIND FROM A SINGLE SOURCE.

DELIVER, STORE AND HANDLE PRODUCTS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, USING MEANS AND METHODS THAT WILL PREVENT DAMAGE, DETERIORATION, AND LOSS, INCLUDING THEFT. STORE PRODUCTS SUBJECT TO DAMAGE BY THE ELEMENTS ABOVE GROUND, UNDER COVER IN A WEATHER TIGHT ENCLOSURE, WITH VENTILATION ADEQUATE TO PREVENT CONDENSATION. MAINTAIN TEMPERATURE AND HUMIDITY WITHIN THE RANGE REQUIRED BY THE MANUFACTURER'S INSTRUCTIONS.

PROVIDE WEATHER-RESISTANT AND DUST PROOF TEMPORARY ENCLOSURES AROUND CONSTRUCTION OPERATIONS.

PROPRIETARY SPECIFICATION REQUIREMENTS: WHERE SPECIFICATIONS NAME ONLY A SINGLE PRODUCT OR MANUFACTURER, PROVIDE THE PRODUCT SPECIFIED OR SUBMIT SUBSTITUTION REQUEST WITH DATA FOR ARCHITECT DETERMINATION EQUAL.

SEMI-PROPRIETARY SPECIFICATION REQUIREMENTS: WHERE SPECIFICATIONS NAME 2 OR MORE PRODUCTS OR MANUFACTURERS, PROVIDE ONE OF THE PRODUCTS INDICATED.

DESCRIPTIVE SPECIFICATION REQUIREMENTS: WHERE SPECIFICATION DESCRIBE A PRODUCT OR ASSEMBLY, LISTING EXACT CHARACTERISTICS REQUIRED, WITH OR WITHOUT THE USE OF A BRAND NAME PROVIDE A PRODUCT OR ASSEMBLY THAT PROVIDES THE CHARACTERISTICS AND OTHERWISE COMPLIES WITH THE CONTRACT REQUIREMENTS.

SUBSTITUTIONS

MANUFACTURERS AND PRODUCTS INDICATED ARE CONSIDERED STANDARD OF DESIGN AND PERFORMANCE. ALTERNATE PRODUCTS BY APPROVED MANUFACTURERS DEEMED EQUIVALENT BY THE ARCHITECT WILL BE ACCEPTABLE. THE ARCHITECT WILL CONSIDER WRITTEN REQUESTS FOR SUBSTITUTIONS RECEIVED NOT LESS THAN 10 DAYS PRIOR TO END OF THE BIDDING PERIOD. ALTERNATES SUBMITTED AFTER THIS TIME CANNOT BE REVIEWED. PROVIDE THE FOLLOWING DOCUMENTATION:

1. COMPLETE PRODUCT INFORMATION AND OTHER DATA
2. COORDINATION INFORMATION, INCLUDING A LIST OF CHANGES NECESSARY TO ACCOMMODATE THE SUBSTITUTION
3. COMPARISON OF THE SUBSTITUTION WITH THE WORK SPECIFIED, INCLUDING PERFORMANCE AND VISUAL EFFECT
4. SAMPLES, WHERE APPLICABLE OR REQUESTED
5. THE EFFECT OF THE SUBSTITUTION ON THE CONSTRUCTION SCHEDULE AND CONTRACT TIME
6. COST INFORMATION, INCLUDING ANY PROJECTED NET CHANGE TO THE CONTRACT SUM
7. CERTIFICATION THAT THE SUBSTITUTION CONFORMS TO THE CONTRACT DOCUMENTS AND IS APPROPRIATE FOR THE APPLICATIONS INDICATED

ALLOWANCES

CERTAIN ITEMS ARE SPECIFIED IN THE CONTRACT DOCUMENTS BY ALLOWANCES. ALLOWANCES HAVE BEEN ESTABLISHED IN LIEU OF ADDITIONAL REQUIREMENTS AND TO DEFER SELECTION OF ACTUAL MATERIALS AND EQUIPMENT TO A LATER DATE WHEN ADDITIONAL INFORMATION IS AVAILABLE FOR EVALUATION. IF NECESSARY, ADDITIONAL REQUIREMENTS WILL BE ISSUED BY CHANGE ORDER.

TYPE OF ALLOWANCES: LUMP SUM

SUBMITTAL:

1. SUBMIT PROPOSALS FOR PURCHASE OF PRODUCTS OR SYSTEMS INCLUDED IN ALLOWANCES, IN THE FORM SPECIFIED FOR CHANGE ORDERS.
2. SUBMIT INVOICES OR DELIVERY SLIPS TO SHOW ACTUAL QUANTITIES OF MATERIALS DELIVERED TO THE SITE FOR USE IN FULFILLMENT OF EACH ALLOWANCE.
3. COORDINATE AND PROCESS SUBMITTALS FOR ALLOWANCE ITEMS IN SAME MANNER AS FOR OTHER PORTIONS OF THE WORK.

LUMP SUM COST ALLOWANCES SHALL INCLUDE COST TO CONTRACTOR OF SPECIFIC PRODUCTS AND MATERIALS SELECTED BY ARCHITECT UNDER ALLOWANCE AND SHALL INCLUDE TAXES, FREIGHT, AND DELIVERY TO PROJECT SITE.

UNUSED MATERIALS: RETURN UNUSED MATERIALS PURCHASED UNDER AN ALLOWANCE TO MANUFACTURER OR SUPPLIER FOR CREDIT TO OWNER. AFTER INSTALLATION HAS BEEN COMPLETED AND ACCEPTED.

PREPARATION: COORDINATE MATERIALS AND THEIR INSTALLATION FOR EACH ALLOWANCE WITH RELATED MATERIALS AND INSTALLATIONS TO ENSURE THAT EACH ALLOWANCE ITEM IS COMPLETELY INTEGRATED AND INTERFACED WITH RELATED WORK.

SCHEDULE OF ALLOWANCES:

NONE IDENTIFIED AT THIS TIME

UNIT PRICES

A UNIT PRICE IS AN AMOUNT PROPOSED BY BIDDERS, STATED ON THE BID FORM, AS A PRICE PER UNIT OF MEASUREMENT FOR MATERIALS OR SERVICES ADDED TO OR DEDUCTED FROM THE CONTRACT SUM BY APPROPRIATE MODIFICATION, IF ESTIMATED QUANTITIES OF WORK REQUIRED BY THE CONTRACT DOCUMENTS ARE INCREASED OR DECREASED.

UNIT PRICES INCLUDE ALL NECESSARY MATERIAL, PLUS COST FOR DELIVERY, INSTALLATION, INSURANCE, APPLICABLE TAXES, OVERHEAD, AND PROFIT.

OWNER RESERVES THE RIGHT TO REJECT CONTRACTOR'S MEASUREMENT OF WORK-IN-PLACE THAT INVOLVES USE OF ESTABLISHED UNIT PRICES AND TO HAVE THIS WORK MEASURED, AT OWNER'S EXPENSE, BY AN INDEPENDENT SURVEYOR ACCEPTABLE TO CONTRACTOR.

LIST OF UNIT PRICES:

UNIT PRICE NO. 1 ADD/ DEDUCT
DESCRIPTION: REPLACEMENT OF EXISTING METAL COPING AND ATTACHMENT CLIPS SIMILAR TO ORIGINAL CONFIGURATION, FIELD VERIFIED TO ACCOMMODATE THE NEW ROOF. ALL EXISTING METAL COPING AND ATTACHMENT CLIPS INDICATED ON DRAWINGS TO BE REPLACED SHALL BE INCLUDED IN BASE BID.
UNIT OF MEASUREMENT: LINEAR FEET

UNIT PRICE NO. 2 ADD/ DEDUCT
DESCRIPTION: DEMOLITION CONTINUOUS PORTION OF 6" X 3" THICK EPS & EXISTING FLASHING. ADD PT WD 2X BLKG, METAL FLASHING WITH RECEIVER AND COUNTER FLASHING, REPAIR/PATCH EIFS AT DEMOLISHED EDGE AND PROVIDE SEALANT BETWEEN DISSIMILAR MATERIALS. ALL DEMOLITION, PATCHING AND RE-FLASHING AT PERIMETER INDICATED ON DRAWINGS TO BE REPLACED SHALL BE INCLUDED IN BASE BID.
UNIT OF MEASUREMENT: LINEAR FEET

UNIT PRICE NO. 3 ADD/ DEDUCT
DESCRIPTION: DEMOLITION OF EXISTING STANDING SEAM ROOFING AND 2" CM PURLINS AND REPLACE WITH NEW STANDING SEAM ROOF SYSTEM ON NEW 1 1/2" CM PURLINS AT 48" OC. ALL DEMOLITION AND NEW STANDING SEAM ROOF SYSTEM WITH PURLINS INDICATED ON DRAWINGS TO BE REPLACED SHALL BE INCLUDED IN BASE BID.
UNIT OF MEASUREMENT: SQUARE FEET

UNIT PRICE NO. 4 ADD/ DEDUCT
DESCRIPTION: EXTEND EXISTING PLUMBING (+/-2" DIA) VENT STACKS +/-8". ALL PLUMBING STACKS INDICATED TO BE EXTENDED ON THE DRAWINGS SHALL BE INCLUDED IN BASE BID.
UNIT OF MEASUREMENT: PER LOCATION

UNIT PRICE NO. 5 ADD/ DEDUCT
DESCRIPTION: ADD NEW METAL GUTTER. ALL GUTTER INDICATED ON THE DRAWINGS SHALL BE INCLUDED IN BASE BID.
UNIT OF MEASUREMENT: LINEAR FEET

UNIT PRICE NO. 6 ADD/ DEDUCT
DESCRIPTION: WD 2X BLOCKING AT COPING. ALL WD BLOCKING AT COPING INDICATED ON THE DRAWINGS SHALL BE INCLUDED IN BASE BID.
UNIT OF MEASUREMENT: LINEAR FEET

UNIT PRICE NO. 7 ADD/ DEDUCT
DESCRIPTION: PROVIDE METAL SOFFIT AND FASCIA PANELS. ALL METAL SOFFIT AND FASCIA PANEL INDICATED ON THE DRAWINGS SHALL BE INCLUDED IN BASE BID.
UNIT OF MEASUREMENT: SQUARE FEET

ALTERNATES

AN AMOUNT PROPOSED BY BIDDERS AND STATED ON THE BID FORM FOR CERTAIN WORK DEFINED IN THE BIDDING REQUIREMENTS THAT MAY BE ADDED TO OR DEDUCTED FROM THE BASE BID AMOUNT IF OWNER DECIDES TO ACCEPT A CORRESPONDING CHANGE EITHER IN THE AMOUNT OF CONSTRUCTION TO BE COMPLETED OR IN THE PRODUCTS, MATERIALS, EQUIPMENT, SYSTEMS, OR INSTALLATION METHODS DESCRIBED IN THE CONTRACT DOCUMENTS.

THE COST OR CREDIT FOR EACH ALTERNATE IS THE NET ADDITION TO OR DEDUCTION FROM THE CONTRACT SUM TO INCORPORATE ALTERNATE INTO THE WORK. NO OTHER ADJUSTMENTS ARE MADE TO THE CONTRACT SUM.

COORDINATION: MODIFY OR ADJUST AFFECTED ADJACENT WORK AS NECESSARY TO COMPLETELY INTEGRATE WORK OF THE ALTERNATE INTO PROJECT.
NOTIFICATION: IMMEDIATELY FOLLOWING AWARD OF THE CONTRACT, NOTIFY EACH PARTY INVOLVED, IN WRITING, OF THE STATUS OF EACH ALTERNATE. INDICATE IF ALTERNATES HAVE BEEN ACCEPTED, REJECTED, OR DEFERRED FOR LATER CONSIDERATION. INCLUDE A COMPLETE DESCRIPTION OF NEGOTIATED MODIFICATIONS TO ALTERNATES.
EXECUTE ACCEPTED ALTERNATES UNDER THE SAME CONDITIONS AS OTHER WORK OF THE CONTRACT.

SCHEDULE OF ALTERNATES

1. No 1
- ALTERNATE - ROEROOFING OF AREA C AS DESIGNATED ON PLAN.
- BASE BID - ROEROOFING OF AREAS A AND B AS DESIGNATED ON PLAN.

WARRANTIES

WARRANTY WORK AGAINST DEFECTIVE MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION, REMEDY ANY AND ALL DEFECTS IN THE WORK UPON WRITTEN NOTIFICATION FROM THE OWNER. SUBMIT A WRITTEN WARRANTY TO THE OWNER THAT ALL MATERIALS AND WORKMANSHIP SHALL BE FREE FROM DEFECTS FOR A PERIOD OF ONE YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION. THERE WILL BE NO ADDITIONAL COST TO REPAIR OR REPLACE ANY SUCH WORK THAT IS FOUND TO BE DEFECTIVE WITHIN THE WARRANTY PERIOD.

CUTTING AND PATCHING

STRUCTURAL ELEMENTS: DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT WOULD CHANGE THEIR LOAD-CARRYING CAPACITY OR LOAD-DEFLECTION RATIO. STRUCTURAL ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

1. WALLS AND PARTITIONS
2. LINTEL AND HEADERS IN WALLS AND PARTITIONS
3. FLOORS ABOVE GRADE
4. ROOF DECK OR STRUCTURE
5. BRACING AND SHORING
6. GUY WIRES AND STRUTS

OPERATIONAL ELEMENTS: DO NOT CUT AND PATCH OPERATING ELEMENTS AND RELATED COMPONENTS IN A MANNER THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY.

MISCELLANEOUS ELEMENTS: DO NOT CUT AND PATCH MISCELLANEOUS ELEMENTS OR RELATED COMPONENTS IN A MANNER THAT WOULD CHANGE THEIR LOAD-CARRYING CAPACITY, THAT RESULTS IN REDUCING THEIR CAPACITY TO PERFORM AS INTENDED, OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY.

CUTTING AND PATCHING CONFERENCE: BEFORE PROCEEDING, MEET AT PROJECT SITE WITH PARTIES INVOLVED IN CUTTING AND PATCHING, INCLUDING MECHANICAL AND ELECTRICAL TRADES. REVIEW AREAS OF POTENTIAL INTERFERENCE AND CONFLICT. COORDINATE PROCEDURES AND RESOLVE POTENTIAL CONFLICTS BEFORE PROCEEDING.

IN-PLACE MATERIALS: USE MATERIALS IDENTICAL TO IN-PLACE MATERIALS. FOR EXPOSED SURFACES, USE MATERIALS THAT VISUALLY MATCH IN-PLACE ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE.

PROTECT IN-PLACE CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF PROJECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS.

ADJOINING AREAS: AVOID INTERFERENCE WITH USE OF ADJOINING AREAS OR INTERRUPTION OF FREE PASSAGE TO ADJOINING AREAS.

EXISTING UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS: WHERE EXISTING SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, BYPASS SUCH SERVICES/SYSTEMS BEFORE CUTTING TO PREVENT INTERRUPTION TO OCCUPIED AREAS.

CUTTING: CUT IN-PLACE CONSTRUCTION BY SAWING, DRILLING, BREAKING, CHIPPING, GRINDING, AND SIMILAR OPERATIONS, INCLUDING EXCAVATION, USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION. IF POSSIBLE, REVIEW PROPOSED PROCEDURES WITH ORIGINAL INSTALLER. COMPLY WITH ORIGINAL INSTALLER'S WRITTEN RECOMMENDATIONS.

PATCHING: PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE.

INSPECTION: WHERE FEASIBLE, TEST AND INSPECT PATCHED AREAS AFTER COMPLETION TO DEMONSTRATE INTEGRITY OF INSTALLATION.

EXPOSED FINISHES: RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO RETAINED ADJOINING CONSTRUCTION IN A MANNER THAT WILL ELIMINATE EVIDENCE OF PATCHING AND REFINISHING.

1. CLEAN PIPING, CONDUIT, AND SIMILAR FEATURES BEFORE APPLYING PAINT OR OTHER FINISHING MATERIALS.
2. RESTORE DAMAGED PIPE COVERING TO ITS ORIGINAL CONDITION.

FLOORS AND WALLS: WHERE WALLS OR PARTITIONS THAT ARE REMOVED EXTEND ONE FINISHED AREA INTO ANOTHER, PATCH AND REPAIR FLOOR AND WALL SURFACES IN THE NEW SPACE. PROVIDE AN EVEN SURFACE OF UNIFORM FINISH, COLOR, TEXTURE, AND APPEARANCE. REMOVE IN-PLACE FLOOR AND WALL COVERINGS AND REPLACE WITH NEW MATERIALS, IF NECESSARY, TO ACHIEVE UNIFORM COLOR AND APPEARANCE.

CEILING: PATCH, REPAIR, OR REHANG IN-PLACE CEILING AS NECESSARY TO PROVIDE AN EVEN-PLANE SURFACE OF UNIFORM APPEARANCE.

EXTERIOR BUILDING ENCLOSURE: PATCH COMPONENTS IN A MANNER THAT RESTORES ENCLOSURE TO A WEATHERTIGHT CONDITION.

CLEANING: CLEAN AREAS AND SPACES WHERE CUTTING AND PATCHING ARE PERFORMED. COMPLETELY REMOVE PAINT, MORTAR, OILS, PUTTY, AND SIMILAR MATERIALS.

DIVISION 3

MISCELLANEOUS CARPENTRY

WOOD BLOCKING:

LUMBER: COMPLY WITH DOC PS 20. DRESSED FOUR SIDES, S4S, 19 PERCENT MOISTURE CONTENT.

WOOD PRESERVATIVE: TREATED MATERIALS: IN ACCORDANCE WITH AWPA C2, MINIMUM RETENTION OF 0.25 LB./CU.FT. PROVIDE FOR CANTS, NAILS, AND BLOCKING IN CONNECTION WITH ROOFING, AND ANY WOOD BLOCKING OR SIMILAR MEMBERS IN CONTACT WITH MASONRY OR CONCRETE.

PLYWOOD BACKING PANELS: FIRE-RETARDANT-TREATED PLYWOOD PANELS, C-D PLUGGED, EXPOSURE 1, 3/4 INCH THICK.

DIVISION 7

JOINT SEALANTS

QUALITY STANDARD: ELASTOMERIC SEALANTS: ASTM C920
LATEX SEALANTS: ASTM C 834
MANUFACTURER: PECORA OR APPROVED EQUIVALENT PRODUCTS

SCHEDULE OF MATERIALS:

1. SINGLE-COMPONENT, FLEXIBLE POLYURETHANE GENERAL PURPOSE SEALANT: PECORA "DYNATROL I-XL", FOR EXTERIOR AND INTERIOR VERTICAL JOINTS IN CONCRETE, MASONRY, AROUND METAL TRIM, DOOR, WINDOW, AND LOUVER FRAMES PENETRATING EXTERIOR WALLS
2. SINGLE-COMPONENT, FLEXIBLE POLYURETHANE SECURITY SEALANT: PECORA "DYNAFLEX", FOR EXTERIOR AND INTERIOR VERTICAL JOINTS IN CONCRETE, MASONRY, AROUND METAL DOOR, WINDOW, AND LOUVER FRAMES PENETRATING EXTERIOR WALLS, SUBJECT TO VANDALISM OR SECURITY CONCERNS
3. SINGLE-COMPONENT, NON-SAGGING SILICONE SEALANT: PECORA "PCS", FOR EXTERIOR AND INTERIOR VERTICAL JOINTS IN MASONRY, AROUND METAL DOOR, WINDOW, AND LOUVER FRAMES FINISHED WITH ORGANIC COATINGS

SHEET METAL FLASHING AND TRIM

QUALITY STANDARDS / MATERIAL WEIGHTS: COMPLY WITH SMCMA'S "ARCHITECTURAL SHEET METAL MANUAL" OR REQUIREMENTS SPECIFIED AND/OR SHOWN ON DRAWINGS, WHICHEVER IS MORE STRINGENT.

MATERIALS STANDARDS:

1. ALUMINUM: ASTM B 209 / B 209M, ALLOY AND TEMPER AS REQ
2. COPPER: ASTM B 370, H00 OR H01 TEMPER
3. STAINLESS STEEL: ASTM A 240 / A 240M OR A 666, TYPE 304, DEAD SOFT, FULLY ANNEALED
4. METALLIC-COATED (GALVANIZED) STEEL: ASTM A 755 / A 755M
5. FINISH: FACTORY-APPLIED, TWO-COAT FLUOROPOLYMER: AAMA 620, CONTAINING NOT LESS THAN 70 PERCENT PVDF RESIN BY WEIGHT IN COLOR COAT

SCHEDULE OF COMPONENTS:

1. GUTTERS: GALVANIZED STEEL, 0.028 inch (0.71 mm), PREFINISHED
2. DOWNSPOUTS: GALVANIZED STEEL, 0.022 inch (0.56 mm), PREFINISHED
3. EDGE FLASHING: GALVANIZED STEEL, 0.028 inch (0.71 mm), PREFINISHED
4. CLADDING: GALVANIZED STEEL, 0.022 inch (0.56 mm), PREFINISHED
5. SOFFIT: GALVANIZED STEEL, 24 GAUGE, PREFINISHED

STANDING SEAM METAL ROOFING

QUALITY STANDARDS / MATERIAL WEIGHTS: COMPLY WITH SMCMA'S "ARCHITECTURAL SHEET METAL MANUAL" OR REQUIREMENTS SPECIFIED AND/OR SHOWN ON DRAWINGS, WHICHEVER IS MORE STRINGENT.

MANUFACTURER: BASIS OF DESIGN - FABRAL
APPROVED ALTERNATIVE MANUFACTURERS: BERRIDGE, METAL SALES, MORIN.
PRODUCT: SSR STANDING SEAM METAL ROOF PANEL

1. PANEL WIDTH: 18" OVERAGE
2. PANEL LENGTHS: VARIES, ALL PANELS MUST BE SINGLE PIECE FROM TOP OF SLOPE TO BOTTOM.
3. SEAM HEIGHT: 2 1/2"
4. SEAM TYPE: WIDE BATTEN, CONTINUOUSLY SEALED
5. MATERIAL: ZINC-COATED (GALVANIZED) STEEL SHEET, 0.034-INCH (0.86-MM) NOMINAL THICKNESS, PREFINISHED
6. FINISH: 2-COAT (min) FLUOROPOLYMER, COLOR TO BE SELECTED FROM MANUFACTURER'S EXTENDED STANDARD LINE (UPLET, UL500, CLASS 90)
7. AIR INFILTRATION: ASTM E283 - NO AIR PENETRATION @ 20 psf; ASTM E1680 - 0.02 cfm/ft² @ 20 psf
8. WATER PENETRATION: ASTM E1546, E331 - NO WATER LEAKAGE @ 20 psf

WARRANTY:

1. FINISH: 20 YEARS FOR FADING, CHALKING, CRACKING, OR PEELING
2. WEATHERTIGHTNESS: 20 YEARS, NO DOLLAR LIMIT, FOR WEATHERTIGHTNESS OF ALL STANDING-SEAM METAL ROOF PANEL ASSEMBLIES, SHEET METAL FLASHING, OR TRIM INSTALLED UNDER THE TERMS OF THIS CONTRACT

SNOW RETENTION SYSTEM

MANUFACTURER: S-5, (P#888-825-3432) OR EQUAL

DESCRIPTION: COLORGUARD (MATCH ROOF COLOR) WITH CLAMP-TO-SEAM BRACKETS SIZED TO FIT NEW ROOF RIBS/ SEAMS.

NO FASTENER PENETRATIONS OR ADHERED COMPONENTS SHALL BE ALLOWED.

DESIGN REQUIREMENTS: CONTRACTOR RESPONSIBLE TO COORDINATE WITH THE MANUFACTURER OR INDEPENDENT ENGINEER TO DETERMINE THE BRACKET SPACING BASED ON ROWS LOCATIONS ON THE DRAWINGS.

INSTALLATION: FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LAYOUT GUIDE. NO COMPONENTS SHALL BE ALLOWED TO PENETRATE THE ROOF. CONTRACTOR RESPONSIBLE FOR COORDINATE OF SNOW RETENTION SYSTEM INSTALLATION AND THE NEW ROOF COATING SYSTEM.

DIVISION 10

SPECIALTY PRODUCTS

ITEM: DOWNSPOUT BOOTS - PROVIDE AT EACH DOWNSPOUT AND THE INTO NEW OR EXISTING UNDERGROUND STORMWATER PIPING.

MATERIAL: GALVANIZED CAST IRON.

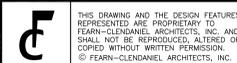
SIZE: INLETS AND OUTLETS AS REQUIRED TO MEET DOWNSPOUT AND STORMWATER PIPING SIZES INDICATED, LENGTH AS REQUIRED TO THE INTO STORMWATER PIPING ENTIRELY BELOW GRADE AND EXTEND 16" MINIMUM ABOVE GRADE.

MANUFACTURERS: PRODUCTS INDICATED ARE CONSIDERED STANDARD OF DESIGN AND PERFORMANCE. ALTERNATE PRODUCTS WILL BE CONSIDERED UNDER THE TERMS OF THE "SUBSTITUTIONS" PARAGRAPH ABOVE.

PROVIDE ONE OF THE FOLLOWING:

1. NEENAH FOUNDRY BR-4929-A14C, WITH CLEANOUT
2. APPROVED ALTERNATE

CONSULTANTS:



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ISSUE DATES:

1. ADDENDUM 2 05/18/2015

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PROJECT:

DELAWARE STATE
UNIVERSITY

EDUCATION AND
HUMANITIES BLDG

1200 NORTH DUPONT HWY

ROOFING RETRO-FIT &
RENOVATIONS

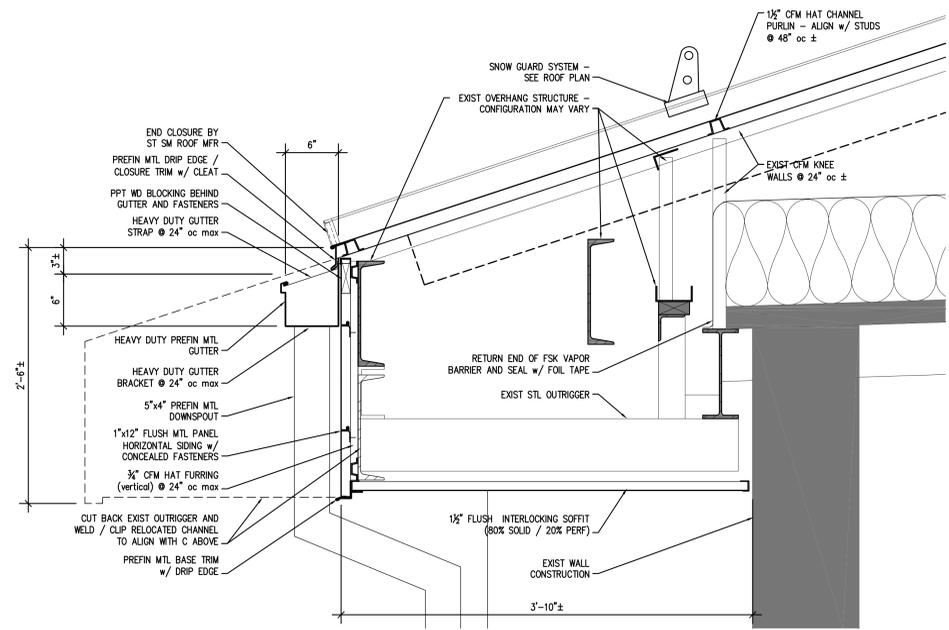
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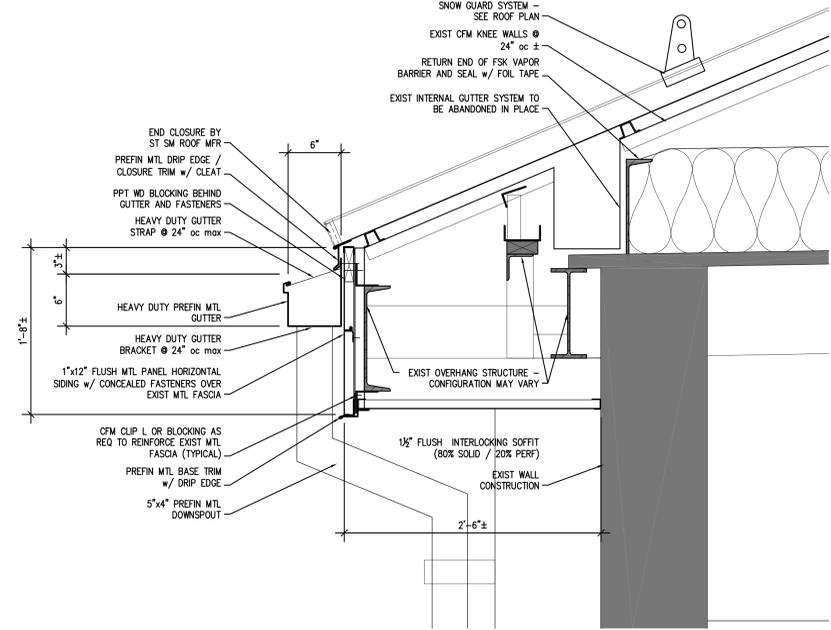
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DATE: 05-15-2015 DRAWING NUMBER:

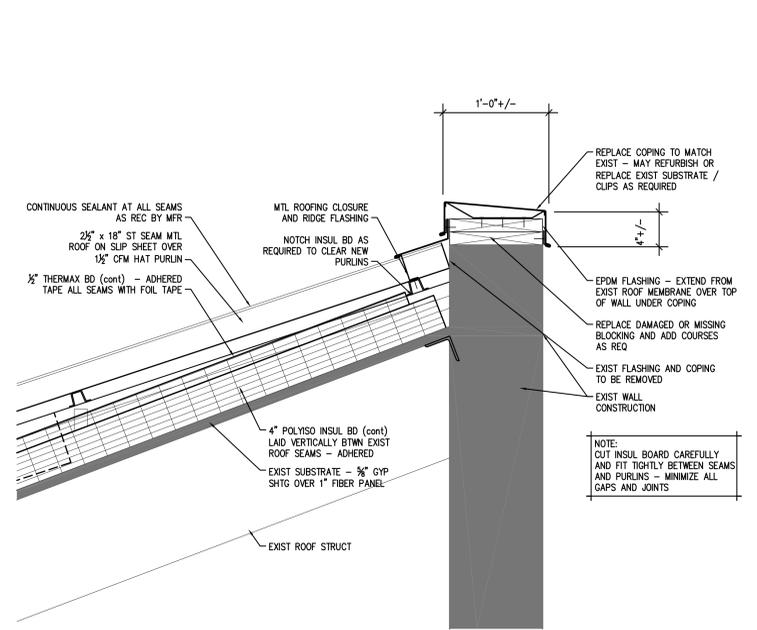
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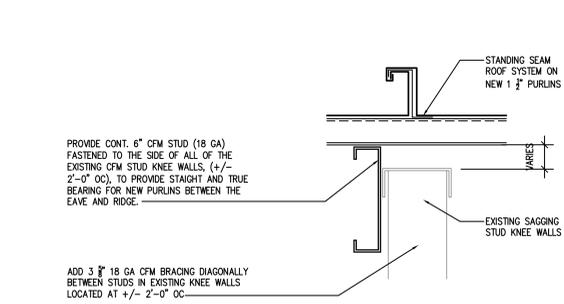
3 EAVE DETAIL - 1 STORY
SCALE: 1/2" = 1'-0"



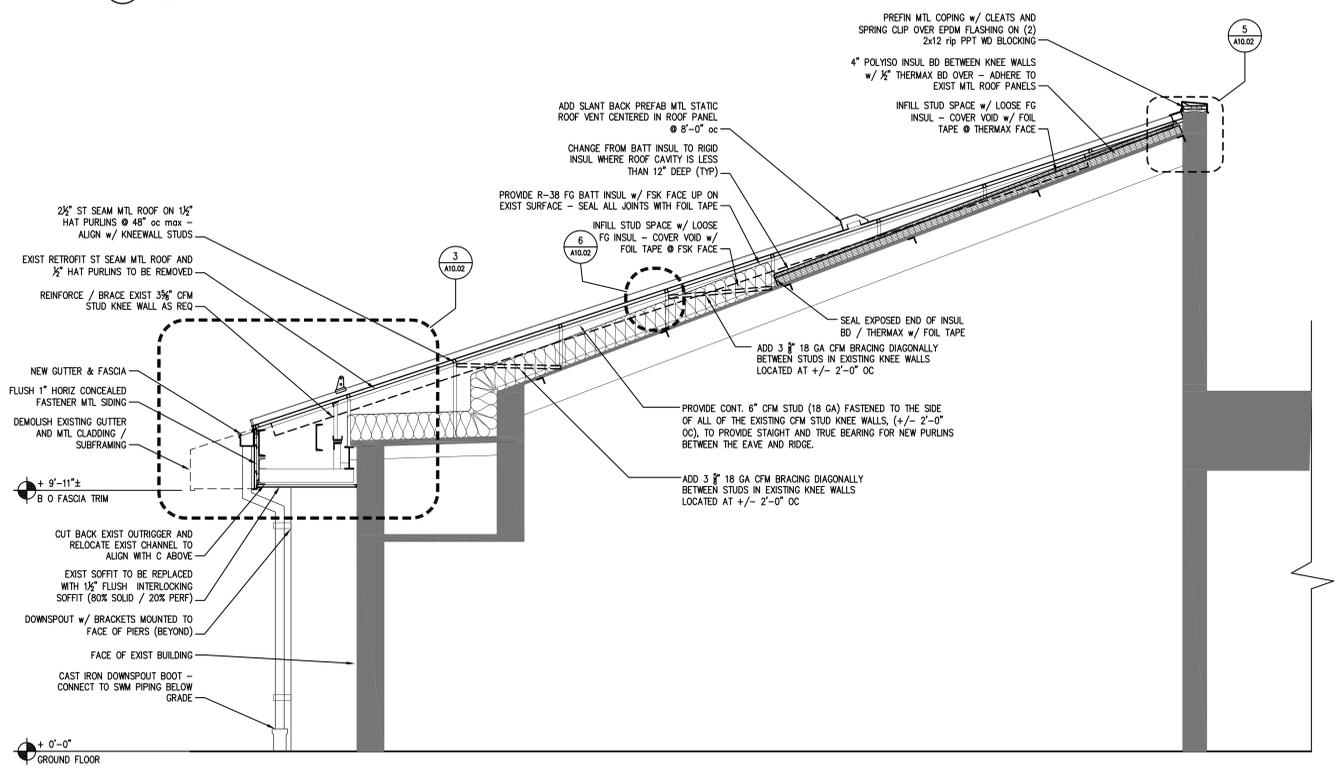
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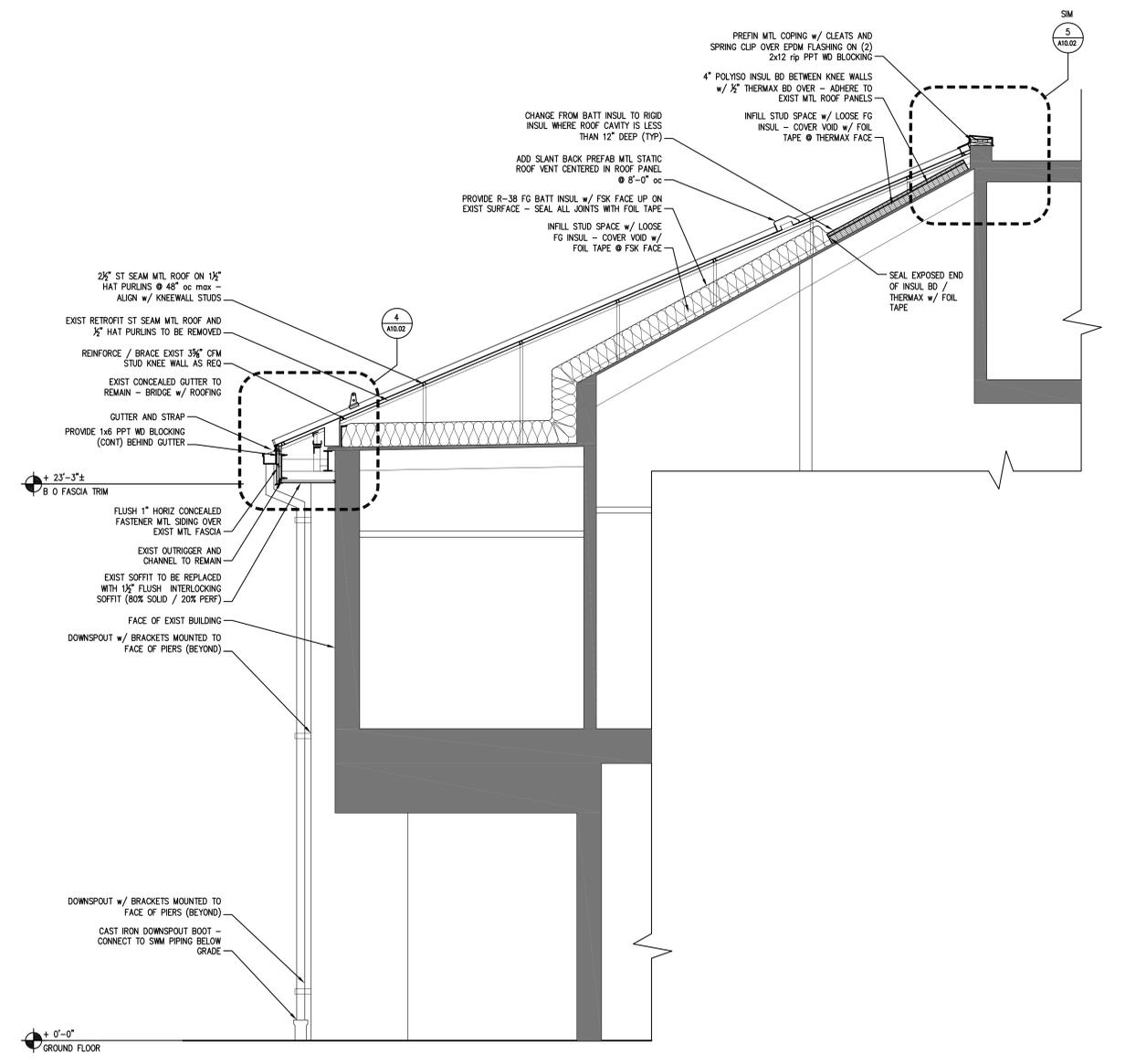
5 RIDGE DETAIL - TYPICAL
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6 TYP. KNEE WALL REINF. DETAIL - 1 STORY
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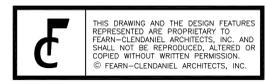


1 PARTIAL SECTION - 1 STORY
SCALE: 3/8" = 1'-0"



2 PARTIAL SECTION - 2 STORY
SCALE: 3/8" = 1'-0"

CONSULTANTS:



ISSUE DATES:

1. ADDENDUM 2	05/18/2015
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DRAWING TITLE:

SECTIONS AND DETAILS

OWN. BY:	CHK. BY:	PROJECT NUMBER:	13101
DATE:	05-15-2015	DRAWING NUMBER:	A10-02
SCALE:	AS NOTED		