#### ADDENDUM TO "SPECIFICATIONS FOR BYRNES CENTER ROOF REPLACEMENT AND REMEDIAL REPAIRS UNIVERSITY OF SOUTH CAROLINA COLUMBIA, SOUTH CAROLINA PROJECT NO. H27-6094-D"

### ADDENDUM NO. 1

#### AUGUST 28, 2012

The Specifications and Drawings contained in the project manual entitled "Specifications for Byrnes Center Roof Replacement, University of South Carolina, Columbia, South Carolina, Project No. H27-6094 D" are amended as follows:

#### <u>General</u>

- 1. The prebid meeting minutes are made a part of this addendum by enclosure.
- 2. The University of South Carolina has performed asbestos surveys on the caulking to be replaced in the scope of work around the window framing and the window glazing which is not included in the scope of work. The caulking around the perimeter of the windows to be replaced does not have asbestos containing materials. Although, please be advised that the **window glazing** (which is not part of the scope of work) has been tested **positive** for asbestos containing materials.

#### SECTION 01330 – SUBMITTAL PROCEDURES

3. Reference Paragraph 1.5 A, add Tapered Shop Drawings to the List of Project Submittals.

#### SECTION 06100 - ROUGH CARPENTRY

- 4. Reference Paragraph 1.2 A, add the following subparagraph:
  - 3. Plywood Sheathing.
- 5. Add the following Paragraph:
  - 3.4 PLYWOOD SHEATHING
    - A. Install new ½ inch thick plywood sheathing along interior parapet walls where new singly ply roofing is to be installed as specified herein.
    - B. Refer to drawings for locations.
    - C. Where existing roof base flashings exist, remove prior to installation of new plywood. Secure plywood using specified fasteners at 8 inches on center along top and bottom.
    - D. Space plywood a minimum of 1/8 inch at ends.
    - E. Secure ends of sheets using a minimum of three (3) fasteners

### SECTION 07000 - ROOFING PREPARATION

- 6. Reference Paragraph 3.2 A, add the following subparagraph:
  - 1. Overflow drains should be included as part of the water testing.
- 7. Add the following to Paragraph 3.5:
  - D. Attach light fixtures to concrete deck with appropriate fasteners in a pattern that is similar to the existing attachment. Light fixtures should be reinstalled in the same location on the roof as they were removed.
  - E. After new roof system has been installed over bearing plates, flash the light fixture in accordance with Detail D11 provided in the drawings.
  - F. The camera on the roof system will be removed and reinstalled after new roof system is in place by University personnel.

#### SECTION 07540 - THERMOPLASTIC MEMBRANE ROOFING

- 8. Reference Paragraph 2.3, add the following subparagraph:
  - C. GAF is approved for use on this project provided all such materials meet the requirements of the project specifications and the system warranty provided by the manufacturer is equivalent in all regards to the warranty required by the project specifications, including unlimited coverage of the cost of labor and materials to repair or replace defective membrane, insulation, base flashings and manufacturer's supplied accessories, etc. All materials required by the project specifications are to be furnished and installed in accordance with the specifications. One type of material is not to be substituted for another type of material.
- 9. Reference Paragraph 2.5 A, remove Class 1 insulation board and insert Class 2.
- 10. Reference Paragraph 3.5 I, delete subparagraphs 1 and 2 and replace with the following:
  - 1. The perimeter of Roof Area A is 8 feet from the innermost part of the parapet.
  - 2. The corners of Roof Area A are 8 feet by 8 feet.
- 11. Reference Paragraph 3.9, add the following subparagraph:
  - B. Flash overflow drains as detailed in Detail D15 (Addendum No. 1).

#### SECTION 07620 - SHEET METAL FLASHING AND TRIM

- 12. Reference Paragraph 2.2 D, remove prefinished aluminum and replace with galvanized steel.
- 13. Reference Paragraph 3.5, delete subparagraph A in its entirety and replace with the following:
  - A. Install new scupper liners at existing overflow locations as specified herein. Refer to SMACNA Architectural Sheet Metal Manual Figure 1-26A. Refer to Drawings Sheet R100 for locations.

#### DRAWINGS

- 14. Delete Sheet R100 and replace with the revised Sheet R100 (Addendum No. 1).
  - Roof Plan has been revised to show existing Overflow Drains on Roof Area A and an existing overflow scupper on Roof Area D.
- 15. Reference Detail D1, Detail D2, Detail D3, Detail D5, Detail D6, Detail D7, Detail D9, and Detail D12; new ½ inch thick plywood sheathing is to be installed at all locations where existing base flashing has been removed and new single ply base flashings are to be installed.
- 16. Delete Detail D13 in its entirety.
- 17. Replace the Roof Safety Anchor details on Sheet R203 with the enclosed Roof Safety Anchor details.

Nothing herein is to be interpreted or construed as changing any provisions of the specifications except as specifically stated herein.

Enclosure: Prebid Meeting Minutes Sheet R100 (Addendum No. 1) Detail D15 (Addendum No. 1) Overflow Drain Detail Sheet 3 of 4 – Roof Safety Anchor details Sheet 4 of 4 – Roof Safety Anchor details

END OF ADDENDUM

August 28, 2012 Project No. 126810



Mr. Dale Branham University of South Carolina 743 Greene Street Columbia, South Carolina 29208

Subject: Roof Replacement and Remedial Repairs Project Byrnes Center University of South Carolina Project No. H27-6094-D

Dear Mr. Branham:

A Prebid Meeting for the subject project was convened on Tuesday, August 12, 2012 at 10:00 a.m. at the USC Facilities Office. The following items were discussed:

- 1. Mr. Dale Branham is the Project Manager for the University of South Carolina. Ms. Juaquana Brookins is the procurement officer for the University. Mr. Locke Burnette is the Project Manager for Terracon Consultants, Inc. All technical questions should be directed to Mr. Burnette. All other questions should be directed to Mr. Branham.
- 2. The contractor must provide a construction schedule showing the sequencing of the work as part of the submittals.
- 3. Work activities may need to be postponed or relocated to accommodate University activities. The University does not anticipate this to occur and will work with the contractor in such cases.
- 4. The contractor will need to coordinate with the University the daily activities related to the work.
- 5. The pre-bid meeting is a non-mandatory meeting. Contractors not in attendance may also bid on this project.
- 6. Bids are due on September 5, 2012 at 2:00 p.m. Location is 743 Greene Street, Conference Room 53, Columbia, South Carolina 29208.
- 7. Contractors are to submit bids for this project in accordance with the requirements of the Specifications and bids are to be submitted on the SE-330 Lump Sum Bid Form that can be obtained from the Office of the State Engineer. A copy of this form has been included in the Specifications for the convenience of the Contractors.
- 8. It is the sole responsibility of the Contractor to ensure that bids are received by the University of South Carolina prior to the bid closing date and time.
- 9. Contractors should verify that they have received all addenda.

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- 10. Contractors who need to return to the site for field work must contact Mr. Branham.
- 11. A bid bond in the amount of 5% of the <u>TOTAL BID</u> must be included. A 100% performance and payment bonds should be included in the bid.
- 12. Bids shall remain open for a period of 60 calendar days from the bid due date.
- 13. Addenda will be issued in response to written requests for clarification no later than August 30, 2012. Written requests for clarification must be received by Terracon no later than close of business August 28, 2012.
- 14. Contractor is reminded to be familiar with the requirements of the documents from the Office of the State Engineer included in the Specifications along with "USC Supplemental General Conditions for Construction Projects".
- 15. Engineer reviewed Section 01000 Instructions to Bidders. Work hours are set as 7:00 AM to 6:00 PM daily. Contractor must coordinate access and staging area with the Owner. Owner will provide part of the parking lot at the north side of the building for storage and staging. Contractor may use service elevator for access to roof but must provide and install cover (plastic or cardboard) to hallway flooring and low walls. Contractor must not make unnecessary trips down hallway in order to minimize inside exposure during business hours and to protect hallway.
- 16. Engineer reviewed Section 01000 General Information.
- 17. Work under the Bid generally consists of:
  - Complete removal and disposal of existing roofing, insulation, flashings and installation of new fully adhered PVC roof membrane, flashings and all associated miscellaneous work.
  - Replace the through-wall flashing at the penthouse on Area A.
  - Replace the sealant at the windows at the top floor.
  - Pressure wash the tile cladding at the stair tower under Areas C and D to remove all loose mortar in joints and tuckpoint the joints.
  - Tuckpoint three mortar joints directly below the stone ledge at the top floor of the building under Area A.
  - Installation of University provided fall protection anchors. Contractor is responsible to install anchors and provide penetrations and securement hardware as specified in engineered drawings.
- 18. In Section 01100, paragraph 1.2, Description of Existing Conditions is provided. Contractor is responsible to field verify all measurements given prior to submitting bid.
- 19. The contract time will be eighty (80) days.
- 20. Liquidated damages will be in the amount of \$250 per day.
- 21. Engineer reviewed Section 01210 Allowances and Section 01270 Unit Prices and the requirements for those sections. Contractor is reminded to keep a daily log recording any unit price work performed on this project.



- 22. Engineer reviewed Section 01250 Contract Modification Procedures for requirements related to change orders/
- 23. Engineer reviewed the payment procedures as defined in Section 01290.
- 24. A 3.5% retainage will be required for each payment application. Retainage will be released only when close-out documents are approved and delivered to the Owner.
- 25. Section 01330 Submittal Procedures contains provisions related to submittals. A list of project submittals
- 26. Engineer provided summary of Section 01400 Quality Control:
  - Fraternization with visitors, students or staff members is strictly prohibited. Contractor
    personnel engaging in such behavior will be removed from the project site
    immediately.
  - A job superintendent is required for this project and must be on-site at all times work is being accomplished. In the absence of a superintendent, work may be postponed by the Owner. Superintendent qualifications are outlined in this Section.
  - Inspections will be performed by Terracon Consulting, Inc.
  - Contractor is to provide any permits necessary to complete this work.
  - Two (2) roof system manufacturer's inspections are required as part of this project.
- 27. Engineer reviewed Section 01700 Execution Requirements.
- 28. An Asbestos Free Warranty will be required with closeout documents. The existing roof system has been tested and testing results show that the existing components tested do not contain asbestos. Should Contractor discover materials they have questions about, Contractor is to contact the University.
- 29. Engineer reviewed Section 06100 Rough Carpentry. Damaged or deteriorated wood blocking is to be replaced as Unit Price work and wood blocking is to be furnished and installed at roof equipment parapet walls to provide a minimum 8 inches of base flashing height as part of the Base Bid work.
- 30. Engineer reviewed Section 07000 Reroofing Preparation. Materials and procedures for through-wall flashing work, counterflashing preparation, and light fixture supports are covered in this section. The University stated that the security camera located on Area A will be removed prior to the project and replaced after the project by University personnel.
- 31. Engineer reviewed Section 07200 Remedial Repairs. Materials and procedures for tuckpointing work are included in this section.
- 32. Engineer reviewed Section 07540 Thermoplastic Membrane Roofing. Materials and procedures for the insulation and membrane installation are included in this section. Acceptable manufacturers and products for the membrane are listed in Paragraph 2.3. Any substitution request for membrane manufacturer must be submitted by Contractor in writing with substantiating data prior to the deadline for submitting substitution requests. Engineer will review the request and respond via addendum. The Roof System Schedule is located in Table 3-1. A Contractor's Two Year Warranty is required for this work.



- 33. Engineer reviewed Section 07620 Sheet Metal Flashing and Trim. Materials and procedures for this work are included in this section. A Contractor's Two Year Warranty is required for this work.
- 34. Engineer reviewed Section 07920 Joint Sealants. Materials and procedures for sealant replacement are included in this section. A Contractor's Two Year Warranty is required for this work.
- 35. A walk-through of the facility and grounds was performed with the attendees. Questions asked at the prebid conference whose answers will modify the bid documents will be addressed by addendum.

Upon completion of the walk-through, the meeting was adjourned. Should anyone know of errors or omissions within these meeting minutes, please notify the undersigned immediately.

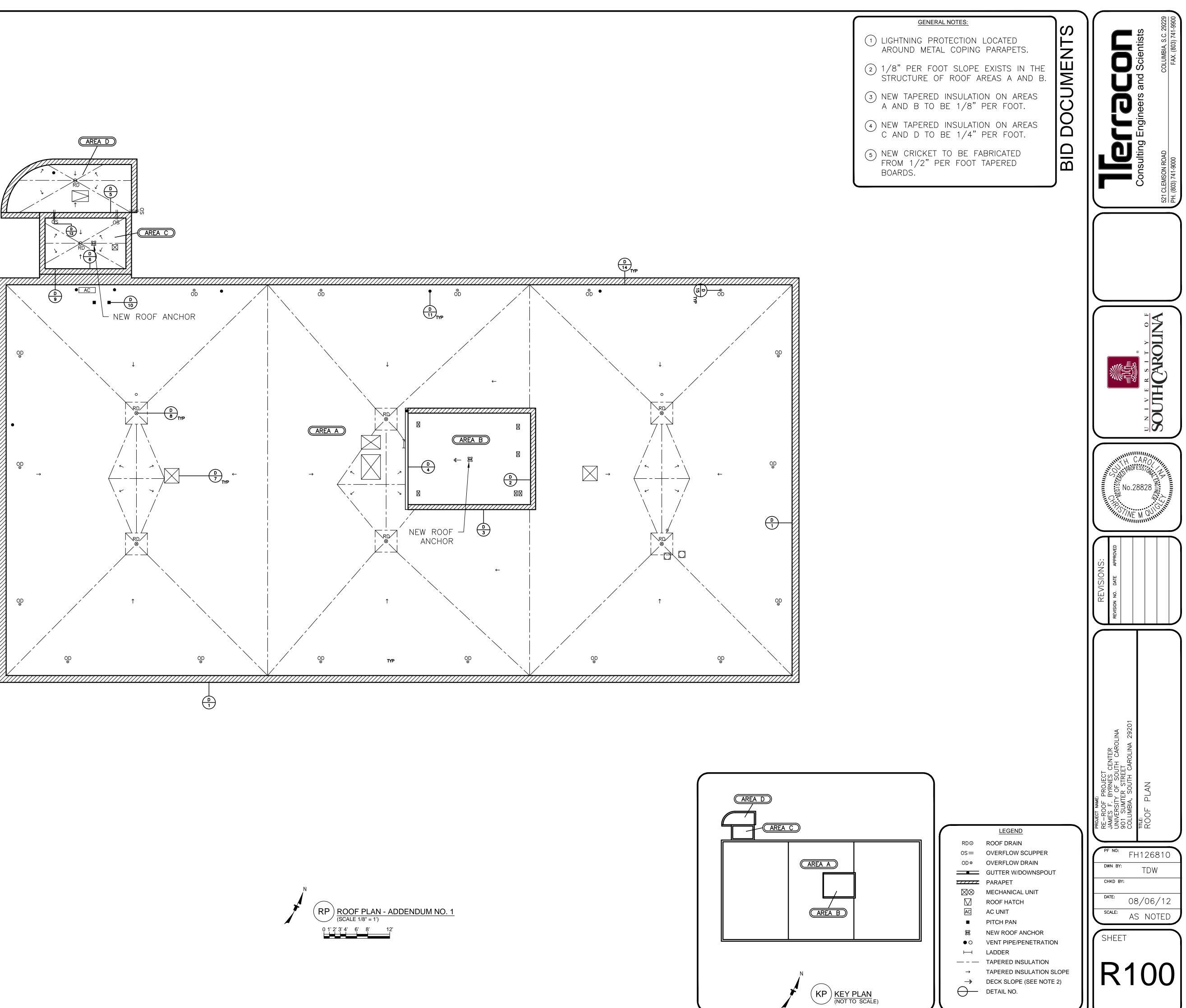
Respectfully,

Terracon Consultants, Inc.

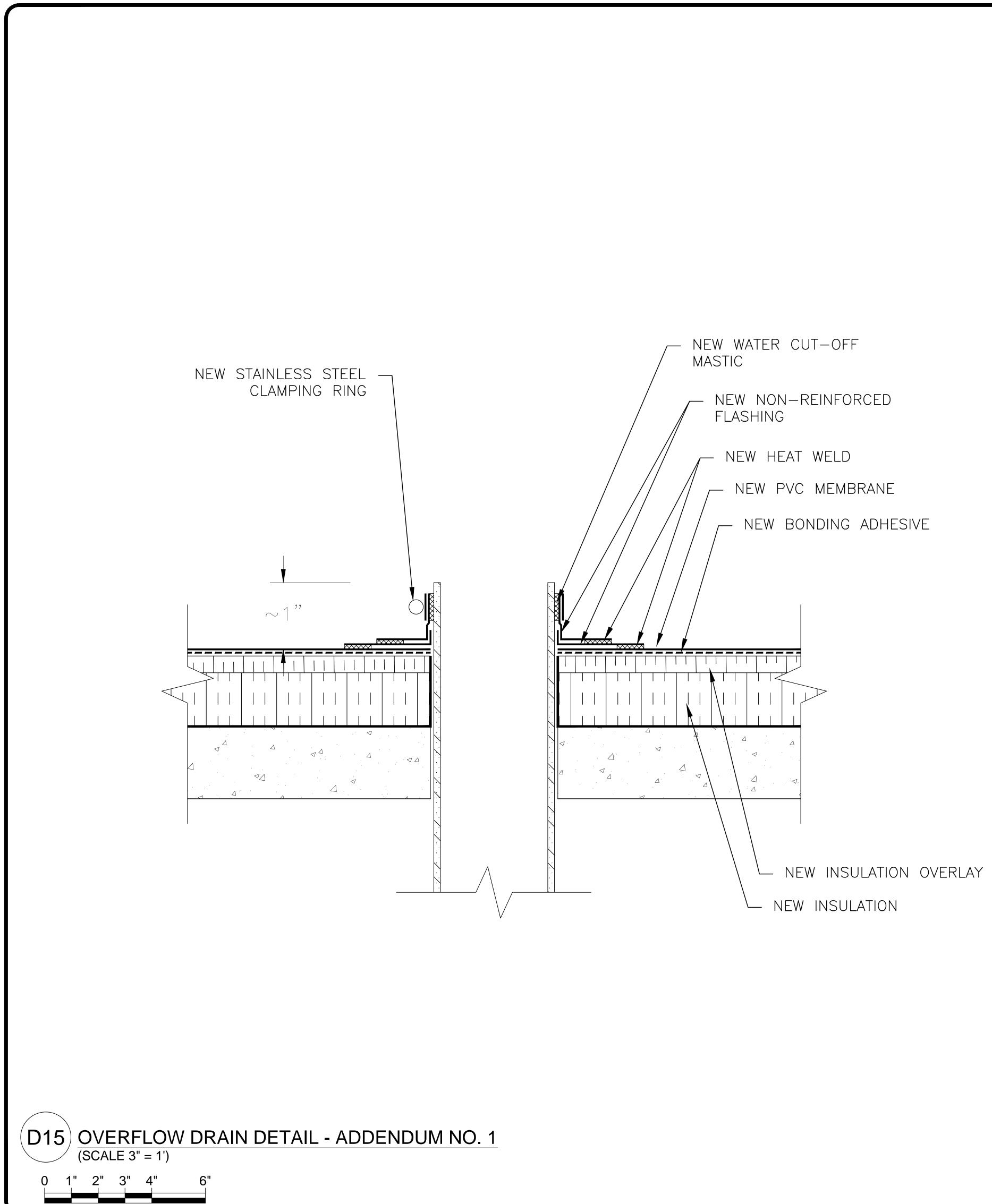
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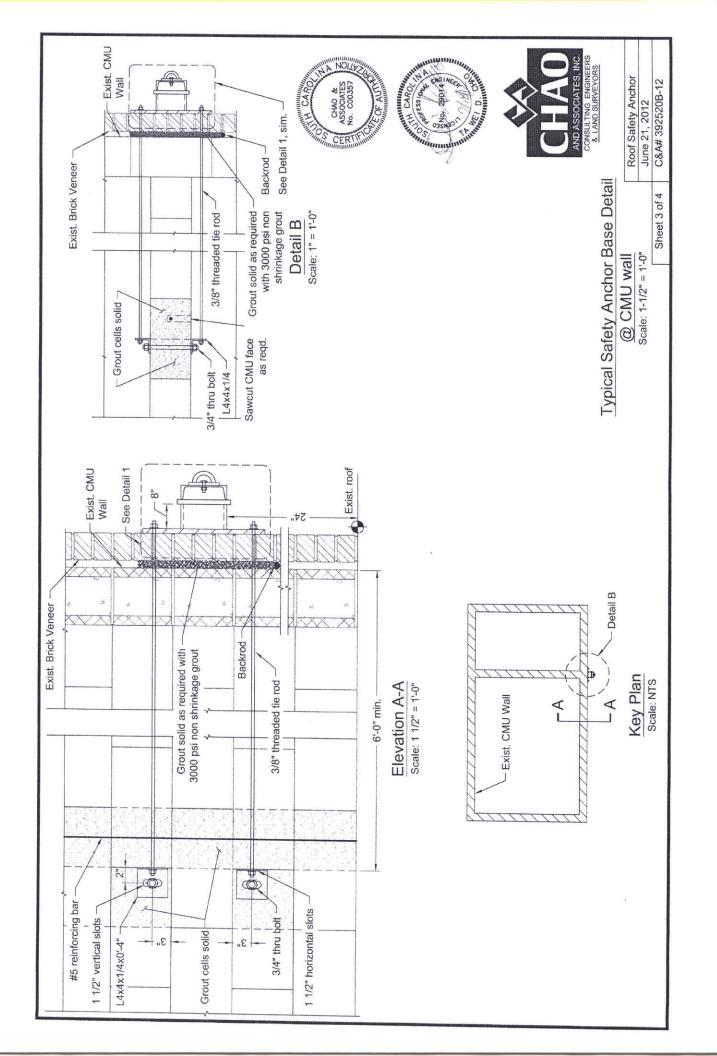
Alexander W. Montgomery, PE RRO Field Project Manager

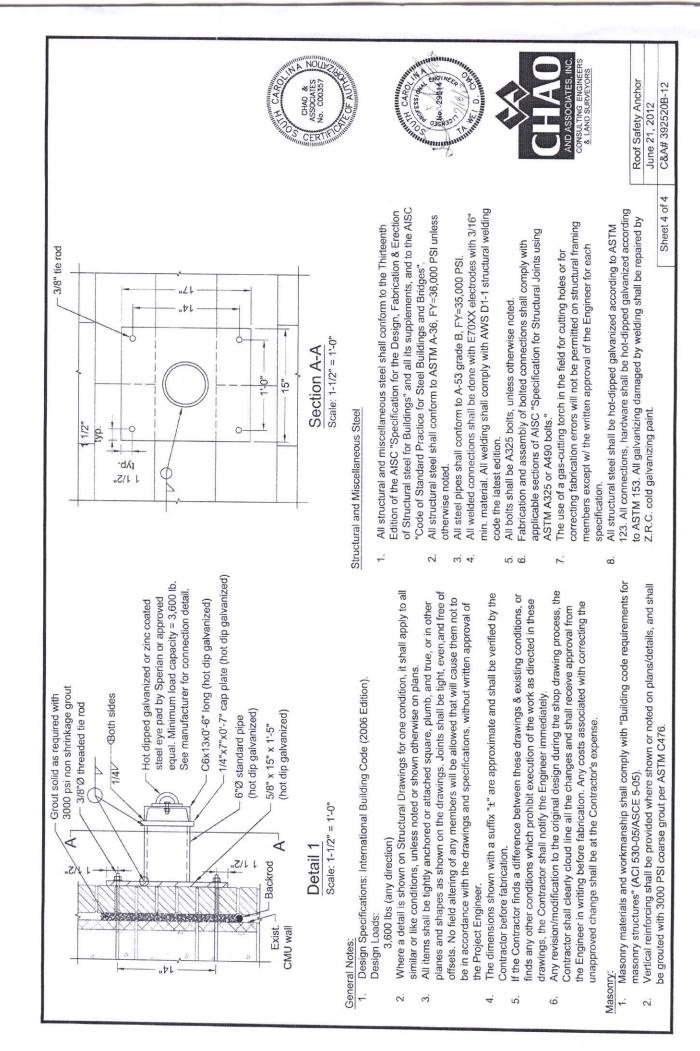
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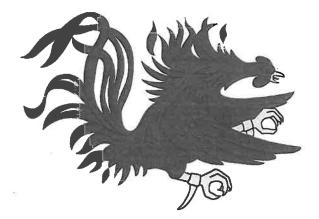












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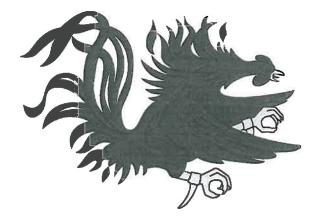
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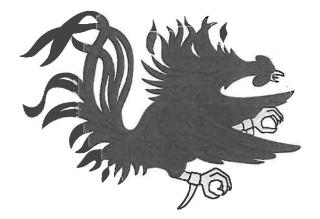
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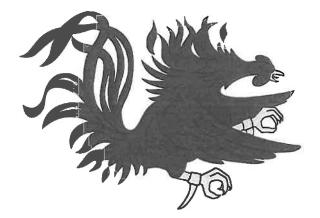
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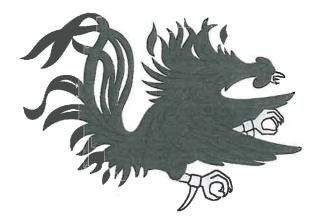
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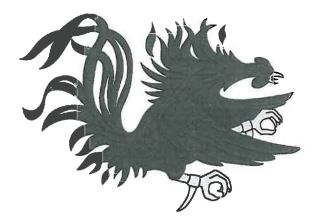
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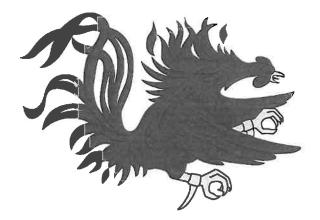
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