

**ADDENDUM NUMBER 1**

Friday, February 15, 2013

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**PROJECT: UPSTATE SCIENCE LABORATORY RENOVATIONS: CP00351401  
UNIVERSITY OF SOUTH CAROLINA UPSTATE  
STATE PROJECT NO. H34-I353  
GMC PROJECT NO. AGRE120025**

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This addendum forms a part of the Construction Documents and modifies the original Bidding Documents dated 01.04.2013 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.

**A-1 GENERAL CLARIFICATIONS:**

- A. The General Contractor is responsible for the full scope of HVAC Controls (which includes, but is not limited to, the work associated with the scheduled control valves on Drawing M-2) as shown on drawings M-1, M-2, and M-3.
- B. The scope of Fire Alarm work is covered on Sheet E0.01. In summary, the contractor is to provide three (3) new devices, tie them to the existing Edwards EST system and include any and all programming for a complete and operational system.

**A-2 SPECIFICATIONS:**

- A. Section 07811, Sprayed Fire-Resistive Materials, add the following: Basis of Design Product, subject to compliance with requirements, provide the following product by WR Grace & Co: Monokote MK-6.
- B. Section 07811, Sprayed Fire-Resistive Materials, the General Contractor shall assume 100 square feet of patched fireproofing is required on this project.
- C. Section 07841, Through Penetration Firestop Systems, the General Contractor shall assume the following with regards to existing penetrations in rated assemblies:
  - 1. 56 linear feet of firestopping required between the top of wall and deck above.
  - 2. 30 existing pipe penetrations to be firestopped.
  - 3. 10 square feet of infill in existing fire rated CMU walls.
  - 4. All new work requiring penetrations shall be firestopped.

**A1-3 DRAWINGS:**

- A. Sheet A1.00, 2 Life Safety Plan, the Architectural Scope of Work is depicted with a dashed line. This line only represents the Architectural Scope. The General Contractor shall refer to all documents for the full scope of work included.
- B. Sheet A2.01, Plans & Elevations, Detail 5 Floor Plan New Work, The existing utility sink shown will be re-installed by USC Upstate as it does not currently reside in the space at this time.
- C. Sheet A2.01, Plans & Elevations, General Note Number 2 only applies to rooms 008 and 008c.

- D. Sheet A2.01, Plans & Elevations, USC Upstate will relocate the -80 freezer to the new location in Room 008c. The General Contractor remains responsible for providing power to this equipment per the Electrical Drawings.
- E. Sheet M-1, all Condensate Drain Piping shall be Type "L" Hard Copper.
- F. Sheet E0.01, Panel Schedules, The existing panels and disconnects are to remain as existing and are noted on plans for reference only. There are no new panels for the project as the drawings indicate all panels are existing.

**A1-4 ATTACHMENTS:**

- A. Pre-Bid Sign In Sheet, dated 02.07.2013 attached.
- B. SWMBE Subcontractor Report attached.
- C. Sheet P-1 dated 01.04.2013 attached.

**END OF ADDENDUM NUMBER 1**

# USC Upstate

Upstate Science Laboratory Renovations

Project Number: H34-I353

Non-Mandatory Pre-Bid Conference

February 7, 2013 @ 10:00 AM @ USC Upstate, 155 American Way, Spartanburg, Facilities Conf. Rm.

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**Make sure to include your company name on this form and list it the same as if you were submitting a bid to USC. Please print clearly.**

**It is the contractor's responsibility to check USC's website for any updates, addendum, etc. We do not email these items.**

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ATTENDEE'S NAME

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ATTENDEE'S NAME

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February 7, 2013 @ 10:00 AM @ USC Upstate, 155 American Way, Spartanburg, Facilities Conf. Rm.

ATTENDEE'S NAME

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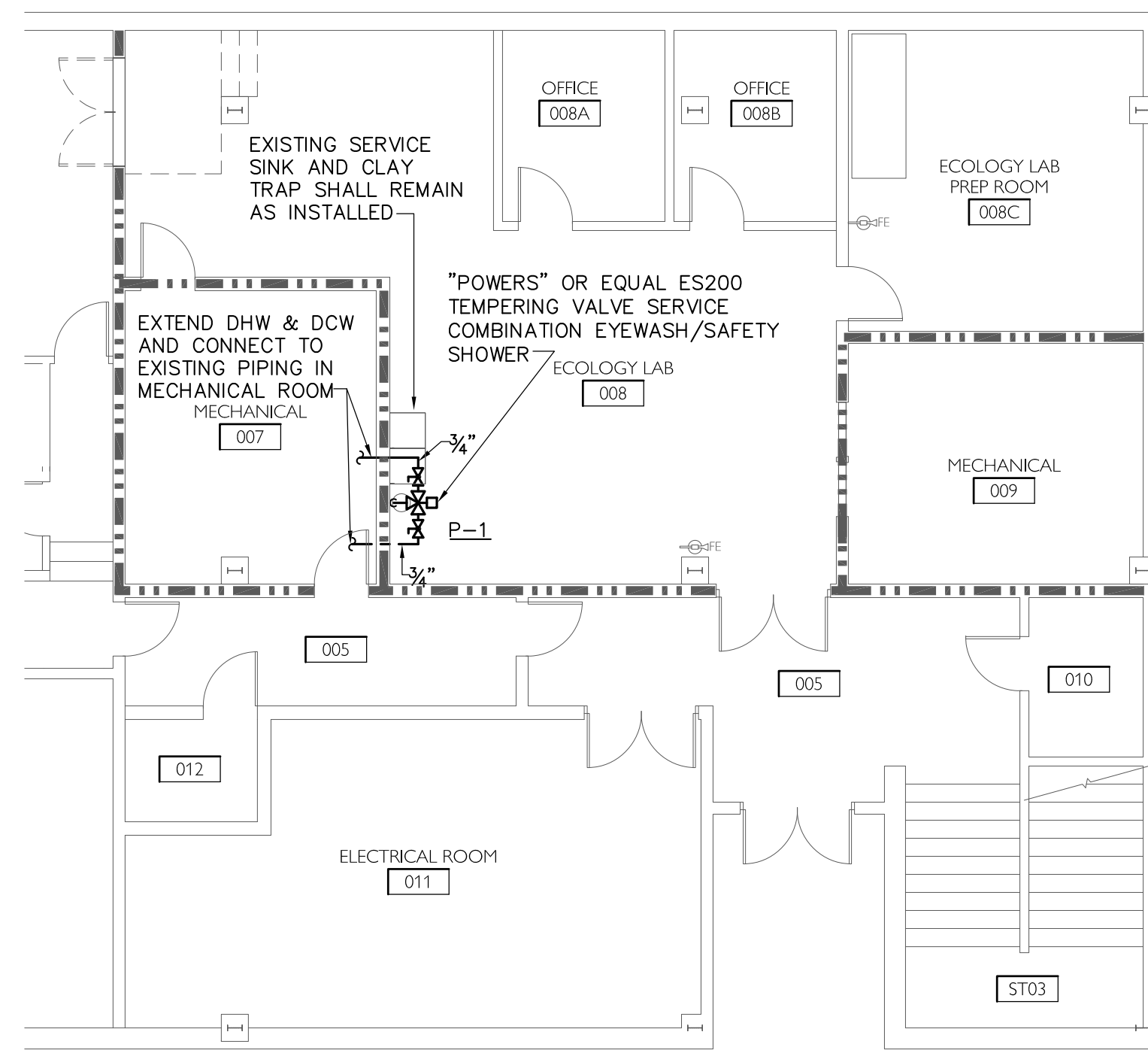
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**PARTIAL PLUMBING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

PLUMBING FIXTURE SCHEDULE				
ITEM	FIXTURE	COLD WATER	HOT WATER	WASTE
P-1	COMBINATION EYEWASH/SAFETY SHOWER	3/4"	3/4"	--

**PLUMBING FIXTURES**

P-1 Combination Eyewash/Safety Shower: By others. Provide and install Powers model ES200 tempering valve and all hot water and cold water piping to valve and shower connections.

PLUMBING LEGEND	
ITEM	DESCRIPTION
C.O.	CLEAN OUT
D.C.W.	DOMESTIC COLD WATER PIPING
D.H.W.	DOMESTIC HOT WATER PIPING
S.S.	SANITARY SEWER PIPING
---	DOMESTIC COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING (110°F)
---	SANITARY SEWER OR WASTE PIPING
⊘	BALL VALVE
⊥	CLEAN OUT

PLUMBING GENERAL NOTES
1. THE CONTRACTOR SHALL CO-ORDINATE INSTALLATION WITH OTHER TRADES.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS SHOWN.
3. THE CONTRACTOR SHALL REFER TO SITE PLANS FOR ALL OUTSIDE WORK TO BE PERFORMED.
4. ALL PLUMBING WORK SHALL CONFORM TO THE STANDARD PLUMBING CODE, OSHA REQUIREMENTS, AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING WASTE & WATER PIPING BEFORE STARTING THE PROJECT.
6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING EQUIPMENT, FLOOR DRAINS & MOUNTING HEIGHTS OF PLUMBING FIXTURES.
7. PIPING SHOWN ON ALL RISER DIAGRAMS ARE DIAGRAMMATIC, CONTRACTOR IS RESPONSIBLE FOR ALL FITTINGS AND CONNECTIONS AS REQUIRED FOR A COMPLETE INSTALLATION.
8. ALL PIPING ARRANGEMENTS & ROUTINGS AS SHOWN ARE DIAGRAMMATIC AND MAY REQUIRE ALTERATIONS DIFFERENT FROM THAT SHOWN IN ORDER TO ACCOMMODATE STRUCTURAL/ARCHITECTURAL FEATURES. THE CONTRACTOR SHALL VERIFY AND MAKE ALTERATIONS OR REVISIONS AS REQUIRED.

**PLUMBING SPECIFICATIONS**

**GENERAL REVISIONS**

- A. Codes – The following codes are imposed as applicable to the work.
  1. South Carolina Department of Health & Environmental Control
  2. International Building Code – 2009 Edition
  3. International Plumbing Code – 2009 Edition
  4. South Carolina Barrier Free Building Design Standard which includes ANSI A117.1 (86)
- B. Equipment Labeling – all electrically powered equipment to be U.L. labeled.
- C. Maintenance Manuals – Provide Owner with (3) three complete sets of bound product and maintenance data.
- D. Electrical – All wiring to be provided by Electrical Contractor.

**SYSTEMS INSULATION**

- A. Domestic Water Piping –
  1. Pipe size 1-1/2 inches and smaller – 1" thickness. Pipe size 2 inches and larger – 1-1/2" thickness. Insulation shall be equal to Owens Corning Fiberglas ASJ/SSL-11, U.L. Listed.
- B. All exposed water and waste drainage pipe under handicapped lab sinks shall be insulated with Truebro Model No. 102 white insulation guard for p-traps and stop valves.
- C. Acceptable Manufacturers – Certainteed, Knauf, and Owens-Corning.

**DOMESTIC WATER PIPING SYSTEM (DOMESTIC COLD WATER AND HOT WATER)**

- A. Piping – Copper tube ASTM B88, Type L, hard-drawn temper.
- B. Valves – 150 lb. bronze ball valves. Acceptable manufacturers: Hammond, Nibco-Scott, Apollo, and Crane.
- C. Escutcheon – Heavy chrome plated brass.
- D. Sterilization – as required by South Carolina Department of Health & Environmental Control.

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**USC UPSTATE SCIENCE LAB RENOVATION**  
**SC STATE PROJECT #CP00351401**  
**SPARTANBURG, SOUTH CAROLINA**

DESIGN JCP	DATE 1/04/2013	DRAWN LDF
CHECKED JCP		
SHEET NO. PERITUS #120608		
SHEET <b>P-1</b>		
1 OF 1 SHEETS		

NO.	DATE	BY	DESCRIPTION
0	1/04/13	JCP	ISSUED FOR BID

REVISIONS