ADDENDUM NUMBER ONE

for

USC Health Sciences Renovation
Project No.: U-676-09

State Permanent Improvement Project No.: H27-6052-AC

COLUMBIA, SOUTH CAROLINA

PREPARED BY:

The Boudreaux Group 1200 Park Street Columbia, South Carolina 29201

DATE OF ISSUE: October 31, 2013

TO: ALL BIDDERS OF RECORD, CONSULTANTS, OWNER:

The following items shall take precedence over the drawings and specifications for the above named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

CONTRACTOR SHALL ACKNOWLEDGE RECEIPT OF ADDENDUM.

This addendum consists of 8 pages and the following attachments: SK-C-1, SK-A-1, SK-P-1, Specification Section 102238 "Operable Partitions", Prebid Sign-in Sheet, Prebid Meeting Minutes.

I. GENERAL CLARIFICATIONS:

1. A site visit for those interested in seeing the basement and crawl space of the building is scheduled for Monday, November 4th from 11:30 am - 12:30 pm. Interested parties should enter the basement from the courtyard side of the building.

2. See attached meeting minutes from the pre-bid meeting held at USC Facility Services, 743 Greene Street, Conference Room 53 on October 30th, 2013 for sign-in sheet, questions and answers from that meeting.

II. Civil:

Drawings

Item No.	Description
1.	Revision: Reference Drawing C5.0. Refer to detail 8B/C5.0. Indicate the pipe thickness for the removable bollard to be schedule 40. See attached SK-C-1

III. Architectural:

Drawings

Item No.	Description

1. Clarification: Reference Drawing AS1.1: In locations where brick pavers for sidewalks are indicated that are not indicated on the civil drawings, these pavers are existing pavers to remain (as shown on C1.0 - Existing Conditions). No additional pavers are required for the project that are not indicated on C2.0.

2. Revision: Reference Drawing A1.3: Location of section cut 1/A5.2 has been revised as indicated on sketch SK-A-1 attached.

3. Revision: Reference Drawings A8.1a and A8.1b: Revise Remark Note #10 on finish schedule to read as follows:

   General field carpet is CPT-1. Random accent placement of CPT-2 is to be coordinated with TBG designer. Quantity of CPT-1 to equal 65% of the total carpet of the room or area, and quantity of CPT-2 to equal 35% of the total carpet of the room or area. CPT-2 to be placed in field carpet tile for tile and will require no geometric patterns or overlapping cuts.

Specifications

Item No.	Description

1. Revision: Reference Section 024119 "Selective Structure Demolition": Revise section 1.9.C "Hazardous Materials" to read as follows:

   Hazardous materials are expected to be encountered in the Work, and are included in the work of this contract. Refer to Appendix A and B for procedures for removal and disposal of hazardous materials.

2. Revision: Reference Section 042000 "Unit Masonry": See the following revisions below:

   a. revise section 2.4.B.1 "Masonry Cement" to read as follows:

      Basis of design is the color Sahara by Lafarge or equal color to be matched by one of the following manufacturers subject to compliance with requirements. Color is to match mortar on existing building and is to be confirmed with on-site mock ups.

   b. Add to the list of approved manufacturers in section 2.9.B: GreenGuard Insulation Board Type IV 25 PSI with ship-lapped edges.

3. Revision: Reference Section 101400 "Signage": Add to the list of approved manufacturers in 2.9.B: Avalis Wayfinding Solutions, Inc.
4. Revision: Reference Section 101400 "Signage": see attachment for signage graphics. Sign graphics B1 and B2 are mislabeled and should be switched.

5. Addition: Section 102238 "Operable Panel Partitions" has been added to the project manual (see attached).

6. Revision: Section 105300 Aluminum Canopies": Add to the list of approved manufacturers in 2.1.A:

   a. Mason Corporation
   b. East Coast TVM Aluminum Canopy Systems

7. Revision: Section 126100 "Fixed Audience Seating": See the following revisions below:

   a. For clarification: 1.4.B.3 - Remove this line entirely from the requirements. Chairs are not required to comply with California Technical Bulletin 133.

   b. Revise 2.2.C End Panels to read as follows:

      Material: Plastic Laminate (wood grain laminate); as selected by Architect from Manufacturers full-range.

   c. Revise 2.2.D.2.a - Fabric Upholstered Chairs, Seats, Padding thickness to read as follows:

      Padding Thickness: Minimum 4" density at front and rear edge with serpentine spring supports.

   d. Revise 2.2.B - Chair Mounting Standards to remove item 2. Molded plastic standards are not acceptable for the project.

IV. Mechanical:

Drawings

Item No.	Description
1.	Revision: Reference Drawing M4.1, Schedules, Notes and Legend. Refer to Air Handling Unit Schedule. Change AHU-2 Outside Air CFM to 2000 CFM.
2.	Revision: Reference Drawing M1.1A, First Floor Plan. Add a CO2 sensor to Auditorium Classroom 106.
3.	Revision: Reference Drawing M1.2A, Second Floor Underfloor Plan. Add a thermostat to Reception 240.
4.	Revision: Reference Drawing M1.3A, Third Floor Underfloor Plan. Add a thermostat to Faculty 309 and Faculty 328.

Specifications

Item No.	Description
5.	Revision: Reference Section 230500, Heating, Ventilation and Conditioning. See Part 2 – Products. Add the following: DUCTLESS SPLIT SYSTEM A/C UNITS (WALL MOUNTED DAHU): Provide Mitsubishi ductless split system air conditioning unit(s) or approved equal (see Section 15010) of the type, arrangement, size, and indicated capacities and characteristics. The system shall consist of a wall mounted indoor section with wired, wall mounted controller and a horizontal discharge, single phase outdoor unit. The units shall be tested by a Nationally Recognized Testing Laboratory (NRTL) and shall bear the ETL label. All wiring shall be in accordance with the National Electrical Code (N.E.C.). The units shall be rated in accordance with Air-conditioning Refrigeration Institute's (ARI) Standard 210 and bear the ARI Certification label. The units shall be manufactured in a facility registered to ISO 9001 and ISO 14001, which is a set of standards applying to environmental protection set by the International Standard Organization (ISO). A dry air holding charge shall be provided in the indoor section. The outdoor unit shall be pre-charged with R-410a refrigerant for 70 feet of refrigerant tubing. The indoor unit cabinet shall be wall mounted by means of a factory supplied mounting plate, The cabinet shall be formed from high strength molded plastic with front panel access for filter. The indoor unit shall be factory assembled, wired and tested. Contained within the unit shall be all factory wiring and internal piping, control circuit board and fan motor. The unit in conjunction with the wired, wall mounted controller shall have a self-diagnostic function, 3-minute time delay mechanism, an auto restart function, and a test run switch. Indoor unit and refrigerant pipes shall be purged with dry nitrogen before shipment from the factory. The evaporator fan shall be high performance, double inlet, forward curve, direct drive fan. The fans shall be statically and dynamically balanced and run on a motor with permanently lubricated bearings. There shall be a motorized horizontal vane to automatically direct air flow in a horizontal and downward direction for uniform air distribution. The horizontal vane shall significantly decrease downward air resistance for lower noise levels, and shall close the outlet port when operation is stopped. There shall also be a set of vertical vanes to provide horizontal swing airflow movement. Return air shall be filtered by means of an easily removable washable filter. The evaporator coil shall be of nonferrous construction with pre-coated aluminum strake fins on copper tubing. The multi-angled heat exchanger shall have a modified fin shape that reduces air resistance for a smoother, quieter airflow. All tube joints shall be brazed with PhosCopper or silver alloy. The coils shall be

pressure tested at the factory. A condensate pan and drain shall be provided under the coil.

The electrical power of the unit shall be 208 volts or 230 volts, 1 phase, 60 hertz. The system shall be capable of satisfactory operation within voltage limits of 198 volts to 253 volts. The power to the indoor unit shall be supplied from the outdoor unit, using the Mitsubishi Electric A-Control system. For A-Control, a three (3) conductor AWG-14 wire with ground shall provide power feed and bi-directional control transmission between the outdoor and indoor units.

The control system shall consist of two (2) microprocessors, one on each indoor and outdoor unit. Field wiring shall run directly from the indoor unit interconnected by a single non-polar two-wire AWG-16 stranded cable to the wall mounted controller with no splices. The control system between the outdoor unit and indoor unit shall be supplied from the outdoor unit using the Mitsubishi Electric A-Control system.

The system shall be capable of automatic restart when power is restored after power interruption. The system shall have self-diagnostics ability, including total hours of compressor run time. Diagnostics codes for indoor and outdoor units shall be displayed on the wired controller panel.

The microprocessor located in the indoor unit shall have the capability of monitoring return air temperature and indoor coil temperature, receiving and processing commands from the wired controller, providing emergency operation and controlling the outdoor unit.

The indoor unit shall be connected to a wall mounted wired controller to perform input functions necessary to operate the system. The wired controller shall have a large multi-language DOT liquid crystal display (LCD). There shall be a built-in weekly timer with up to eight pattern settings per day. The controller shall consist of an On/Off button, Increase/Decrease Set Temperature buttons, a Cool/Dry/Fan mode selector, a Timer Menu button, a Timer On/Off button, Set Time buttons, a Fan Speed selector, a Vane Position selector, a Louver Swing button, a Ventilation button, a Test Run button, and a Check Mode button. The controller shall have a built-in temperature sensor.

The wired controller shall display operating conditions such as set temperature, room temperature, pipe temperatures (i.e. liquid, discharge, indoor and outdoor), compressor operating conditions (including running current, frequency, input voltage, On/Off status and operating time), LEV opening pulses, sub cooling and discharge super heat.

The control voltage from the wired controller to the indoor unit shall be 12 volts, DC. The control signal between the indoor and outdoor unit shall be pulse signal 24 volts DC.

The outdoor unit shall be equipped with a control board that interfaces with the indoor unit to perform all necessary operation functions. The outdoor unit shall be capable of operating at 0°F ambient temperature. The casing shall be constructed from galvanized steel plate, coated with a finished with an electrostatically applied, thermally fused acrylic or polyester powder coating for corrosion protection. The fan grille shall be of ABS plastic.

The outdoor fan motor shall be of aerodynamic design for quiet operation, and the fan motor bearings shall be permanently lubricated. The outdoor unit shall have horizontal discharge airflow. The fan shall be mounted in front of the coil, pulling air across it from the rear and dispelling it through the front. The fan shall be provided with a raised guard to prevent contact with moving parts.

The L shaped condenser coil shall be of copper tubing with flat aluminum fins to reduce debris build up. The coil shall be protected with an integral metal guard. Refrigerant flow from the condenser shall be controlled by means of linear expansion valve (LEV) metering orifice. The LEV shall be control by a microprocessor controlled step motor.

The compressor shall be a DC rotary compressor with Variable Compressor Speed Inverter Technology. The compressor shall be driven by inverter circuit to control compressor speed. The compressor speed shall dynamically vary to match the room load for significantly increasing the efficiency of the system which results in vast energy savings. To prevent liquid from accumulating in the compressor during the off cycle, a minimal amount of current shall be intermittently applied to the compressor motor to maintain enough heat. The outdoor unit shall have an accumulator and high pressure safety switch. The compressor shall be mounted to avoid the transmission of vibration.

The electrical power of the unit shall be 208volts or 230 volts, 1 phase, 60 hertz. The unit shall be capable of satisfactory operation within voltage limits of 198 volts to 253 volts. The outdoor unit shall be controlled by the microprocessor located in the indoor unit. The control signal between the indoor unit and the outdoor unit shall be pulse signal 24 volts DC. The unit shall have Pulse Amplitude Modulation circuit to utilize 98% of input power supply.

6. Revision: Reference Section 230500, Heating, Ventilation and Conditioning. See Part 2 – Products, Pumps. Add the following:

Pumps shall be furnished with factory provided and commissioned Variable Frequency Drive as manufactured by Square D, Yaskawa, or ABB. The drive shall have the following features:

- Stall prevention to avoid nuisance tripping during a temporary motor overload or overcurrent condition.
- Speed search which allows the drive to start into a rotating motor.
- Pulse Width Modulated Drive w/IGBT Transistors
- LCD Display & Keypad

- 4-20mA or 0-10V Speed Input Signal
- Form C Fault Contacts
- Current limiting NEMA Class T Fuses
- DC injection braking which allows the drive to start into a fan which is reverse wind milling.
- Power loss ride thru to handle a power outage for up to 2 seconds.
- Reference loss detection which allows the drive to continue or terminate operation due to an interruption of the reference.
- Critical frequency rejection which will allow the drive to accelerate or decelerate the motor through a bandwidth where resonant vibration problems of the motor/machine may occur.
- Input circuit breaker disconnect.
- NEMA 1 enclosure
- Hand-Off-Auto selector switch

7. Revision: Reference Section 230500, Heating, Ventilation and Conditioning. See Part 2 – Products, Air Handling Units, Electrical Characteristics and Components. Change “Fan motors shall be high efficiency” to “Fan motors shall be premium efficiency.”

8. Revision: Reference Section 230500, Heating, Ventilation and Conditioning. See Part 2 – Products, Variable Air Volume (VAV) Terminal Units. Add the following: “Provide access doors for hot water coil access and cleaning.”

9. Revision: Reference Section 230700, HVAC Insulation. See Part 2 – Products, Outdoor Duct Insulation. Add the following: “All insulation outside shall be protected with aluminum jacketing with factory applied moisture barrier. The aluminum jacketing shall be 0.016 thickness and be of 3003 alloy and H-14 temper.”

10. Revision: Reference Section 230700, HVAC Insulation. See Part 2 – Products. Add the following:

    PIPING IN CRAWL SPACE:

    All steam, condensate and water piping insulation in crawl shall be Foamglas as manufactured by Pittsburg Corning, Dyplast, Dow or equal.

11. Revision: Reference Section 230700, HVAC Insulation. See Part 2 – Products, Above Ground Outdoor Pipe Insulation. Change the first sentence from “All water piping” to “All steam, condensate and water piping”.

V. Plumbing:

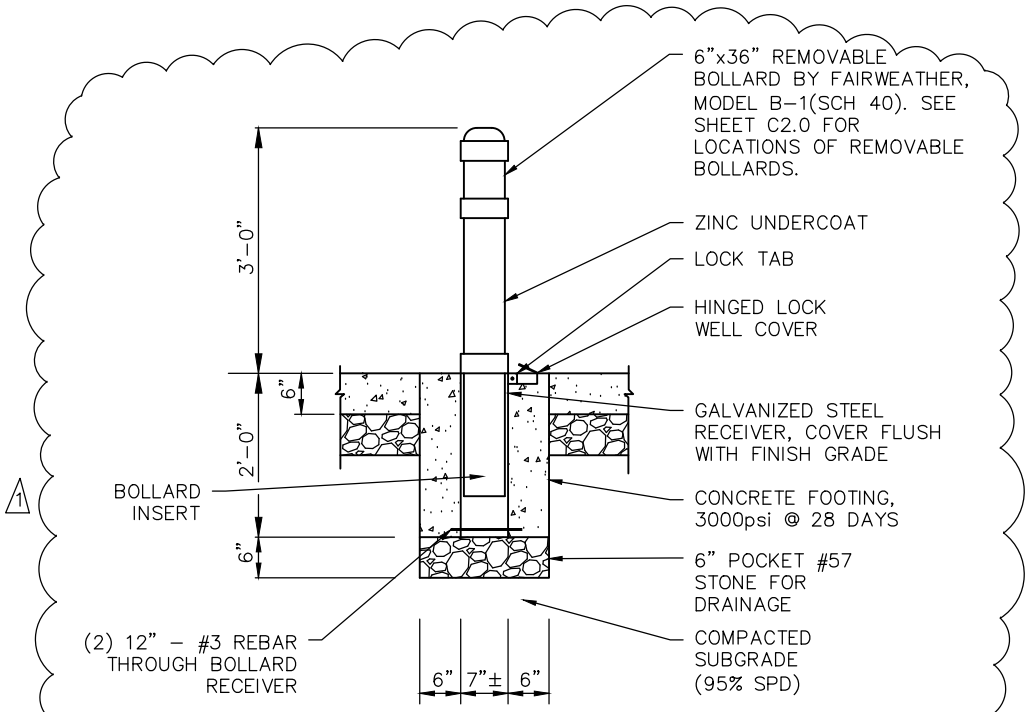
Drawings

Item No.	Description
1.	Refer to Sheet P2.1 Refer to the attached sketch, SK-P-1. This sketch adds the location of the flow meter, installed by the plumbing contractor, to the supply piping riser.

Specifications

Item No.	Description
1.	Refer to Section 220010 On page 220010-7 under “Plumbing Trim” add Zurn Industries as an approved manufacturer.
2.	Refer to Section 220010 On page 220010-7 under “Sump Pumps” add Stancor Pumps as an approved manufacturer.

END OF ADDENDUM



NOTES

1. BOLLARDS TO BE BY FAIRWEATHER SITE FURNISHINGS, PORT ORCHARD, WA (800-323-1798) OR APPROVED EQUAL.
2. BOLLARDS TO BE POWDER-COATED BLACK.
3. INSTALL BOLLARD RECEIVER 1/4" BELOW FINISH GRADE TO ALLOW COVER TO BE FLUSH WITH FINISH GRADE.
4. PROVIDE SOLID BRONZE PADLOCK EQUAL TO WILSON BOHANNON #660 FOR ALL REMOVABLE BOLLARDS.
5. PROVIDE 6" RECEIVER COVER ACCESSORY.

8B / C5.0 **REMOVABLE BOLLARD**

NOT TO SCALE

RB TODD CONSULTING ENGINEERS
7436 Broad River Road, Suite 212
Irmo, S.C. 29063
Tel. 803.781.3141
Fax. 803.781.3142
www.rbtodd.com

The Boudreaux Group
Interdisciplinary Design Architecture Interior Planning
1330 Lady Street (29201)
P.O. Box 5695
Columbia, SC 29250
803 799 0247 p
803 771 6844 f
info@boudreauxgroup.com

Revision: Addendum No. 1

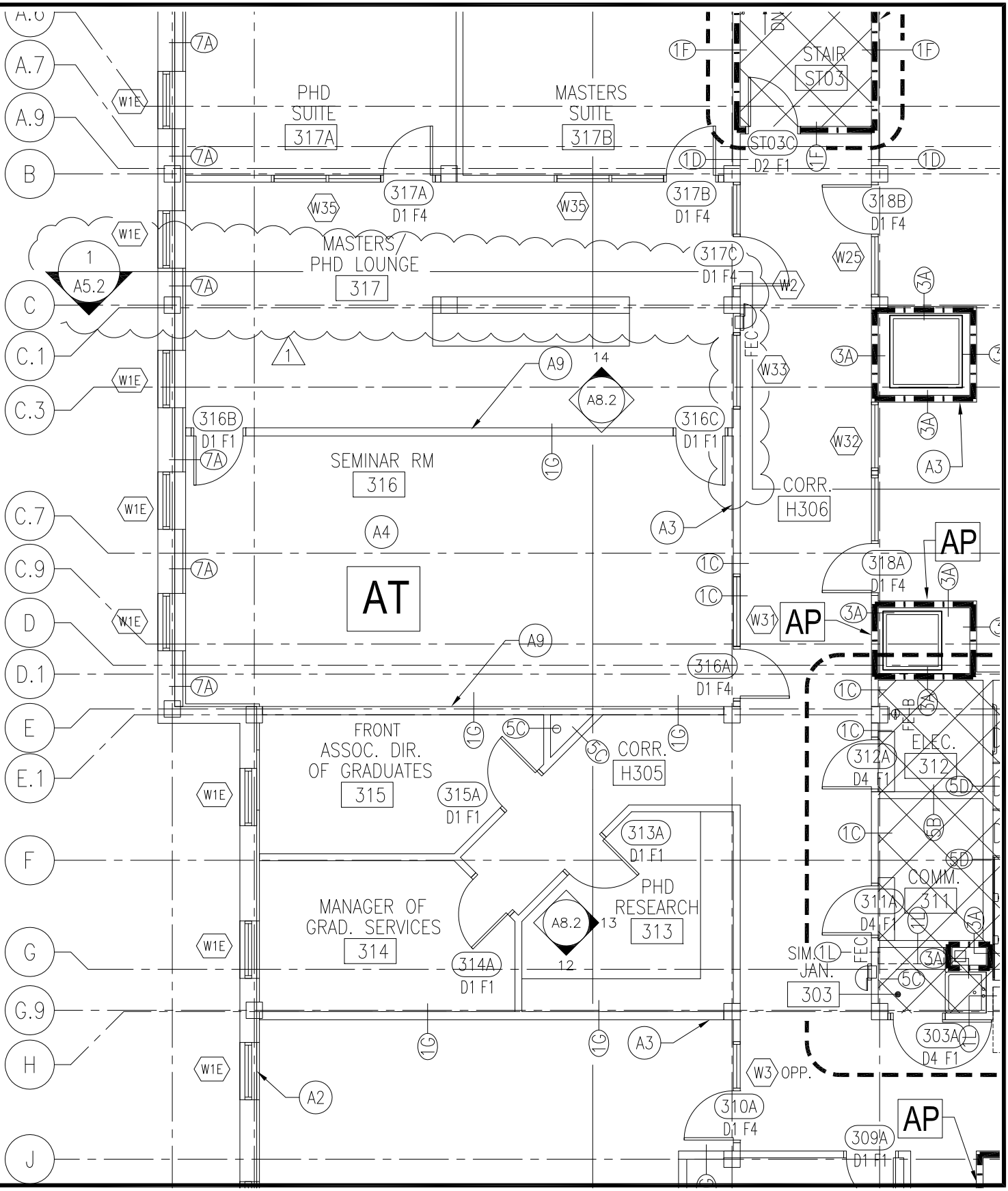
Reference: drawing noC5.0

Project Title
USC HEALTH SCIENCES RENOVATION
STATE PROJECT NO.: H27-6052-AC
COLUMBIA, SOUTH CAROLINA

Arch. Project No.: U-676-09

Date: 10/31/13

Sketch No.: **SK-C-1**



The Boudreaux Group
1330 Lady Street (29201)
P.O. Box 5695
Columbia, SC 29250
803 799 0247 *p*
803 771 6844 *f*
Interdisciplinary Design Architecture Interiors Planning
info@boudreauxgroup.com

Project Title
USC HEALTH SCIENCES RENOVATION
STATE PROJECT NO.: H27-6052-AC
COLUMBIA, SOUTH CAROLINA

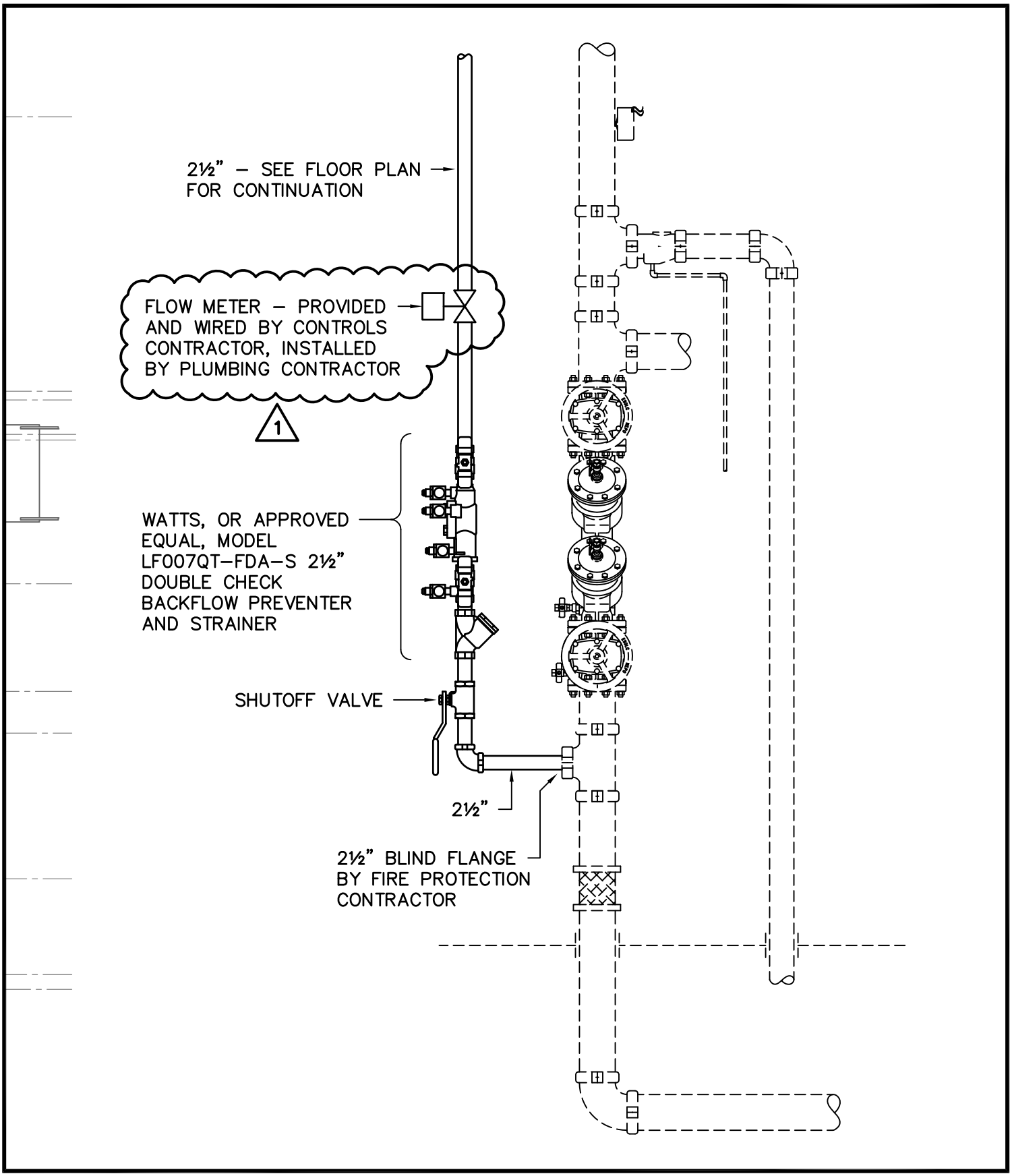
Arch. Project No.: U-676-09

Date: **10/31/13**

Revision: **Addendum No. 1**

Reference: **drawing no. A1.3**

Sketch No.: **SK-A-1**



The Boudreaux Group
Interdisciplinary Design Architecture Interiors Planning
1330 Lady Street (29201)
P.O. Box 5695
Columbia, SC 29250
803 799 0247 *p*
803 771 6844 *f*
info@boudreauxgroup.com

Project Title
USC HEALTH SCIENCES RENOVATION
STATE PROJECT NO.: H27-6052-AC
COLUMBIA, SOUTH CAROLINA

Arch. Project No.	Date
U-676-09	10/31/13

Revision: **Addendum No. 1**
Reference: **drawing no. P2.1**
Sketch No.: **SK-P-1**

SECTION 102238 - OPERABLE PARTITIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Manually operated, acoustical panel partitions.

B. Related Sections:

1. Division 05 Section "Metal Fabrications" for supports that attach supporting tracks to overhead structural system.

2. Division 06 Section "Miscellaneous Rough Carpentry" for wood framing and supports, and all blocking at head and jambs as required.

3. Division 09 Section "Gypsum Board" for fire-rated assemblies and sound barrier construction above the ceiling at track.

1.3 DEFINITIONS

A. NIC: Noise Isolation Class.

B. NRC: Noise Reduction Coefficient.

C. STC: Sound Transmission Class.

1.4 PERFORMANCE REQUIREMENTS

A. Seismic Performance: Operable panel partitions shall withstand the effects of earthquake motions determined according to SEI/ASCE 7.

B. Acoustical Performance: Provide operable panel partitions tested by a qualified testing agency for the following acoustical properties according to test methods indicated:

1. Sound-Transmission Requirements: Operable panel partition assembly tested for laboratory sound-transmission loss performance according to ASTM E 90, determined by ASTM E 413, and rated for not less than the STC indicated.

1.5 SUBMITTALS

A. Product Data: For each type of product indicated.

B. LEED Submittals:

1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content. Include statement indicating cost for each product having recycled content.
2. Certificates for Credit MR 7: Chain-of-custody certificates certifying that operable panel partitions comply with forest certification and chain-of-custody requirements. Include statement indicating cost for each certified wood product.
3. Product Data for Credit IEQ 4.4: For composite wood products, documentation indicating that products contain no urea formaldehyde.

C. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
1. Indicate storage and operating clearances. Indicate location and installation requirements for hardware and track, blocking, and direction of travel.

D. Samples for Initial Selection: For each type of exposed material, finish, covering, or facing indicated.

1. Include similar Samples of accessories involving color selection.

E. Samples for Verification: For each type of exposed material, finish, covering, or facing indicated, prepared on Samples of size indicated below:
1. Panel Facing Material: Manufacturer's standard-size unit, not less than 3 inches (75 mm) square.
2. Panel Edge Material: Not less than 3 inches (75 mm) long.
3. Hardware: Manufacturer's standard operating device.

F. Setting Drawings: For embedded items and cutouts required in other work.

G. Qualification Data: For qualified manufacturer and vendor.

H. Seismic Qualification Certificates: For operable panel partitions, accessories, and components, from manufacturer.

1. Basis for Certification: Indicate whether withstand certification is based on actual test of assembled components or on calculation.

I. Product Certificates: For each type of operable panel partition, from manufacturer.

J. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each operable panel partition.

K. Operation and Maintenance Data: For operable panel partitions to include in maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:

1. Panel finish facings and finishes for exposed trim and accessories. Include precautions for cleaning materials and methods that could be detrimental to finishes and performance.
2. Seals, hardware, track, carriers, and other operating components.

L. Warranty: Sample of special warranty.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: A qualified manufacturer that is certified for chain of custody by an FSC-accredited certification body.

B. Vendor Qualifications: A vendor that is certified for chain of custody by an FSC-accredited certification body.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Protectively package and sequence panels in order for installation. Clearly mark packages and panels with numbering system used on Shop Drawings. Do not use permanent markings on panels.

1.8 PROJECT CONDITIONS

A. Field Measurements: Verify actual dimensions of operable panel partition openings by field measurements before fabrication.

1.9 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of operable panel partitions that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

   a. Faulty operation of operable panel partitions.
   b. Deterioration of metals, metal finishes, and other materials beyond normal wear.

2. Warranty Period: Two years from date of Substantial Completion.

1.10 EXTRA MATERIALS

A. Furnish extra materials from the same production run that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Panel Finish-Facing Material: Furnish full width in quantity to cover both sides of two panels when installed.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Steel Frame: Steel sheet, manufacturer's standard nominal minimum thickness for uncoated steel.

B. Steel Face/Liner Sheets: Tension-leveled steel sheet, manufacturer's standard nominal minimum thickness for uncoated steel.

C. Gypsum Board: ASTM C 36/C 36M.

2.2 OPERABLE ACOUSTICAL PANELS

A. Operable Acoustical Panels: Operable acoustical panel partition system, including panels, seals, finish facing, suspension system, operators, and accessories.
   1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product including, but not limited to, one of the following:

      a. Advanced Equipment Corporation.
      b. Curtition, Inc.
      c. FolDoor; Holcomb & Hoke Mfg. Co., Inc.
      d. Hufcor.
      e. KWIK-WALL Company.
      f. Moderco Inc.
      g. Modernfold, Inc.; a DORMA Group Company.
      h. Panelfold Inc.

B. Panel Operation: Manually operated, paired panels.

C. Panel Construction: Provide top reinforcement as required to support panel from suspension components and provide reinforcement for hardware attachment. Fabricate panels with tight hairline joints and concealed fasteners. Fabricate panels so finished in-place partition is rigid; level; plumb; aligned, with tight joints and uniform appearance; and free of bow, warp, twist, deformation, and surface and finish irregularities.

D. Dimensions: Fabricate operable acoustical panel partitions to form an assembled system of dimensions indicated and verified by field measurements.

   1. Panel Width: Standard widths.

E. STC: Not less than 50.

F. Panel Weight: 8 lb/sq. ft. (40 kg/sq. m) maximum.

G. Panel Thickness: Not less than 3 inches (75 mm).

H. Panel Closure: Manufacturer's standard.

I. Panel Materials:

1. Certified Wood: Wood for operable panel partitions shall be certified as "FSC Pure" according to FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship," and to FSC STD-40-004, "FSC Standard for Chain of Custody Certification."
2. Recycled Content of Operable Panel Partitions:

a. Recycled Content of Steel: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 25 percent by weight.
b. Recycled Content of Gypsum Panel Products: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 10 percent by weight.

J. Hardware: Manufacturer's standard as required to operate operable panel partition and accessories; with decorative, protective finish.

2.3 SEALS

A. General: Provide types of seals indicated that produce operable panel partitions complying with acoustical performance requirements and the following:

1. Manufacturer's standard seals.
2. Seals made from materials and in profiles that minimize sound leakage.
3. Seals fitting tight at contact surfaces and sealing continuously between adjacent panels and between operable panel partition perimeter and adjacent surfaces, when operable panel partition is extended and closed.

B. Vertical Seals: Deep-nesting, interlocking steel astragals mounted on each edge of panel, with continuous PVC acoustical seal.

C. Horizontal Top Seals:

1. Continuous-contact, extruded-PVC seal exerting uniform constant pressure on track.

D. Horizontal Bottom Seals: PVC-faced, mechanical, retractable, constant-force-contact seal exerting uniform constant pressure on floor when extended, ensuring horizontal and vertical sealing and resisting panel movement.
1. Automatically Operated for Acoustical Panels: Extension and retraction of bottom seal automatically operated by movement of partition, with operating range not less than [1-1/2 inches (38 mm) between retracted seal and floor finish.

2.4 PANEL FINISH FACING

A. General: Provide finish facings for panels that comply with indicated fire-test-response characteristics and that are factory applied to operable panel partitions with appropriate backing, using mildew-resistant nonstaining adhesive as recommended by facing manufacturer's written instructions.

1. Apply one-piece, seamless facings free of air bubbles, wrinkles, blisters, and other defects, with edges tightly butted, and with no gaps or overlaps. Horizontal butted edges or seams are not permitted. Tightly secure and conceal raw and selvage edges of facing for finished appearance.
2. Where facings with directional, repeating, or matching grain are indicated, mark facing top and attach facing in same direction.
3. Match facing pattern 72 inches (1830 mm) above finished floor.
4. Color/Pattern: As selected by Architect from manufacturer's full range.

B. Vinyl-Coated Fabric Wall Covering: Manufacturer's standard, mildew-resistant, washable, vinyl-coated fabric wall covering; complying with CFFA-W-101-D for type indicated; Class A. Color as selected by Architect from manufacturer's full range.

C. Trimless Edges: Fabricate exposed panel edges so finish facing wraps uninterrupted around panel, covering edge and resulting in an installed partition with facing visible on vertical panel edges, without trim, for minimal sightlines at panel-to-panel joints.

2.5 SUSPENSION SYSTEMS

A. Suspension Tracks: Steel with adjustable steel hanger rods for overhead support, designed for type of operation, size, and weight of operable panel partition indicated. Size track to support partition operation and storage without damage to suspension system, operable panel partitions, or adjacent construction. Limit track deflection to no more than 0.10 inch (2.54 mm) between bracket supports. Provide a continuous system of track sections and accessories to accommodate configuration and layout indicated for partition operation and storage.

1. Panel Guide: Aluminum; finished with factory-applied, decorative, protective finish.
2. Head Closure Trim: As required for acoustical performance; with factory-applied, decorative, protective finish.

B. Carriers: Trolley system as required for configuration type, size, and weight of partition and for easy operation; with ball-bearing wheels.

C. Track Intersections, Switches, and Accessories: As required for type of operation, storage, track configuration, and layout indicated for operable panel partitions, and compatible with partition assembly specified. Fabricate track intersections and switches from steel.
1. Center carrier stop.

D. Steel Finish: Manufacturer's standard, factory-applied, corrosion-resistant, protective coating unless otherwise indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine flooring, structural support, and opening, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of operable panel partitions.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. General: Comply with ASTM E 557 except as otherwise required by operable panel partition manufacturer's written installation instructions.

B. Install operable panel partitions and accessories after other finishing operations, including painting, have been completed in area of partition installation.

C. Install panels from marked packages in numbered sequence indicated on Shop Drawings.

D. Broken, cracked, chipped, deformed, or unmatched panels are not acceptable.

E. Broken, cracked, deformed, or unmatched gasketing or gasketing with gaps at butted ends is not acceptable.

3.3 ADJUSTING

A. Adjust operable panel partitions to operate smoothly, without warping or binding. Lubricate hardware and other moving parts.

B. Verify that safety devices are properly functioning.

3.4 CLEANING

A. Clean soiled surfaces of operable panel partitions to remove dust, loose fibers, fingerprints, adhesives, and other foreign materials according to manufacturer's written instructions.

3.5 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain operable panel partitions.

END OF SECTION 102238

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: USC - Health Science Renovation
Project Number: H27-6052-AC
Pre Bid Date & Time: October 30, 2013 @ 2pm

Name	Company Name	Address	Phone #	Email
Gerry Deas	American Seating	3151 Dawood Rock Hill, SC 29732	704-302-6919	gerrydeas@msn.com dannydeas@msn.com
Rob Major	Sherman Construction	1330 Piedmont Hwy Piedmont SC 29673	864 277 0060	rob@sherman-construction.com
Mike Hill	Edison Foard	3900 Rose Lake Charlotte NC 28217	704-329-8000	mhill@edisonfoard.com
Brian Hillen	B+B Demolition	PO Box 61900 N. Charleston, SC 29419	843-554-8408	bhillen@bandbdemolition.com
Todd Seyle	Shenandoah Rest	10229 Broad River Irmo, SC 29063	803-781-5722	SHENREST@BELLSOUTH.NET
George Frederick	Palmetto Gunite Co.	PO Box 388 Ravenel SC 29470	843 889 2227	Georgepalmettogunite@gmail.com
DOUG OWENS	Sentry Sprinkler	POB 947 Mauldin SC	286-9835	dougowens@sentrysprinkler.com
Joe Bowick	Sentry Sprinkler	PO Box 947 Mauldin SC 29662	864-286-9835	Joesr@sentrysprinkler.com
SKYLAR ASHBY	PALMETTO CONSTRUCTION GROUP	2265 CLEMENTS FERRY ROAD CHAS. SC 29492	843-514-8347	BID@PCGLLC.NET

*Please make sure you list your company name as registered with LLR.

* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: USC - Health Science Renovation
Project Number: H27-6052-AC
Pre Bid Date & Time: October 30, 2013 @ 2pm

Name	Company Name	Address	Phone #	Email
Mason Mcknight IV	ACC	635 NW Frontage Rd, Augusta, GA	706-803-7764	mmcnight@accconstructionco.com
John Jordan	ACC Const.	Augusta Ga	706-868-1087	jjordan@accconstructionco.com
JASON CALDWELL	MB KAHN	101 FLINT LAKE RD COLUMBIA	736-2950	JCALDWELL@MBKAHN.COM
John Treading	MB Kahn	101 Flint Lake Rd Columbia	736-2950	jreading@mbkahn.com
Peyton Howell	YPS Construction	121 Edinburgh Ct Greenville SC	864-560-9014	phowell@ypsconst.com
Ron Farley	YPS Construction	" "	"	RFARLEY@ypsconst.com
BRAD DENNIS	DECO	PO Box 61900 N. Chas. SC 29419	843-554-8408	bdennis@deco.us.com
Eric Norris	FLSA	7154 N. Center St. Ste. Charleston, SC	919-201-7148	cenorris@flsamerica.com
Ryan Parker	Metcon	763 Comtech Drive Pembroke, NC 28372	910-374-3766	rparker@metconnc.com

*Please make sure you list your company name as registered with LLR.
* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: USC - Health Science Renovation
Project Number: H27-6052-AC
Pre Bid Date & Time: October 30, 2013 @ 2pm

Name	Company Name	Address	Phone #	Email
Jack Watts	NEO Corporation	P.O. Box 638 Lexington, SC 29071	803-5189557	JWatts@neoCorporation.com
John Wallace	Hood Const. Co	1050 Knox Rd Suite A Col, SC 29201	803-765-2940	johnwallace@Hoodconstruction.com
DEAN DENNING	MONTEITH	223 N. GRAHAM ST CHARLOTTE, NC 28202	704 405-1011	bstampe monteitheo.com
Chris Smyrl	Window-Works	P.O. Box 29086 Cola. S.C. 29229	803-600-2432	cmsmyrl@Window-Works.com
Nate Engle	HITT Contracting Inc	2457 Aviation Ave #100 N. Chas SC 29406	843-308-9400	nengle@hitt-gc.com
CHRISTINA McALHANEY	BRANTLEY CONSTRUCTION	8300 DORCHESTER CHARLESTON, S.C. 29418	843-552-0150	christina@BRANTLEY CONSTRUCTION.COM
Jey YATES	PATRIOT Concrete Cutting	POBOX 504 PIEDMONT, SC 29673	864-299-0330	PATRIOT.SALE@BellSouth.NET
Donnie Pollock	DH Griffin Wrecking Company Inc.	157 McQueen St. West, Columbia, SC	803-739-9404	dpollock@dhgriffin.com
Bruce Russell	Crom Engineering Const. Services	6801 SW Archer Rd Gainesville FL. 32607	352-262-4164	bdrgator@cromcorp.com

*Please make sure you list your company name as registered with LLR.

* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: USC - Health Science Renovation
Project Number: H27-6052-AC
Pre Bid Date & Time: October 30, 2013 @ 2pm

Name	Company Name	Address	Phone #	Email
REG PINKERTON	THOMPSON	705 SEABOARD	843-969-7447	RPINKERTON@THOMPSONINC.com
Yates Reynolds	Premium Window	2610 Canterbury Rd	803-309-7989	yreynolds@pwandd.com
Billy SHARE	PRECISION PLBG	11370 Old Swamp Rd Swansea, SC 29160	803-791-5820	bsharpe@precisionplumbing.com
April Coleman	"	"	"	acoleman@precisionplumbingsv.com
Randy Fields	R & R Assoc. Inc.	PO Box 6954 Cola SC 29260	803-738-2969	abbycates@gmail.com
JEFF GRIFFIN	WD BLACKSTONE	1541 Stadium Columbia SC	803/381-7336	jgriffin@wdblackstone.com
Roger FARIAS	PRECISION FIRE SOLUTIONS	2229 Kemphart Rd W. Columbia 29219	803 796 2722	rafarias@precisionfiresolutions.com
Tony Nation	Edcon Inc	P.O. Box 100 Peak SC 29122	(803) 345-3791	Eddie@edconinc.com
Paul Beall	H.R. Allen	3511 Delree St. Columbia S.C. 29170	803 796-7069	paul.beall@hrallen.com

*Please make sure you list your company name as registered with LLR.
* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: USC - Health Science Renovation
Project Number: H27-6052-AC
Pre Bid Date & Time: October 30, 2013 @ 2pm

Name	Company Name	Address	Phone #	Email
John Gourdin	Cullum	3325 Pacific A.	843-576-2670	GourdinJ@cullumine.com
GARY FRIEDMAN	CULLUM INC	3325 PACIFIC ST N. CHARLESTON SC 29418	843 576-2669	Bids@cullumine.com
Cheryl Anraker	USC-Facilities	743 Greene St.	777-9155	CAnraker@mailbox.sc.edu

*Please make sure you list your company name as registered with LLR.
* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: USC - Health Science Renovation
Project Number: H27-6052-AC
Pre Bid Date & Time: October 30, 2013 @ 2pm

Name	Company Name	Address	Phone #	Email
TOM MOREY	MARTIN ENGINEERING	PO Box 368 WHITMIRE	781-1930 781-3186(fax)	ESTIMATING@MARTINENGINEERINGSC.com

*Please make sure you list your company name as registered with LLR.
* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: USC - Health Science Renovation
Project Number: H27-6052-AC
Pre Bid Date & Time: October 30, 2013 @ 2pm

Name	Company Name	Address	Phone #	Email
Joe Blackwood	China Construction			
Bing Jia	China Construction	700 Saluda Parkway Columbia, SC 29210	803-771-2777	jia_bing@chinaconstruction.us
Doug Price	China Construction	"	803 771-2777 FB03 771-2373	price_doug@chinaconstruction.us
LARS BACH.	The Evom Corporation	250 SW 36th Terr Gainesville, Fla	888.712.5277	lobe@evomcorp.com
ERICA TIMMONS	The Boudreaux group	1330 LADY ST. COLUMBIA. SC 29201	803-799-0247	etaylor@boudreauxgroup.com
KAREN QUINN	"	"	"	kquinn@ " " "
RANDY HUTH	"	"	"	RHuth@ " " "
Ann Derrick	USC	743 greene street	803.777.0981	
Juaquana Brockins	USC	" "	777.3596	jbrockin@fmc.sc.edu

*Please make sure you list your company name as registered with LLR.
* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

The Boudreaux Group
1330 Lady St., Suite 500 (29201) P.O. Box 5695 Columbia, SC 29250
803 799 0247 *p* 803 771-6844 *f*

Meeting Minutes

Date: October 30, 2013

Location: USC Facilities, 743 Greene Street

Project Name: USC Health Sciences Renovation

State Project No: H27-6052-AC
Project No: U-676-09

Attendees:

NAME COMPANY
See attached sign-in sheet

This memorandum conveys our understanding of the topics discussed and agreements reached. Each person receiving a copy of this memorandum is requested to review same and advise The Boudreaux Group, Inc. of any errors or omissions.

A meeting was held at **2:00 pm** on **October 30, 2013** to discuss **preconstruction bidding requirements for the USC Health Sciences Renovation**. The following items were noted:

1. Bids will be due 11/13/13 by 2:00 pm to USC Facility Services, 743 Greene Street. Bidders shall be responsible for having their bid at the designated place for receiving bids no later than the time set for bid opening. Bidders are responsible for thoroughly reviewing all documents and submitting bid with all required forms and information. Once the bidding has been declared closed, all late bids, including bids improperly delivered, shall be rejected as being nonresponsive.
    a. **Deadline for questions for clarification: 5:00 pm on Monday, November 4th**
    b. Last addendum on the job will be dated **November 7, 2013**
    c. It is the contractor's responsibility to ensure that, prior to submitting a bid, all addenda issued have been received. Check on the USC website http://purchasing.sc.edu for addenda and drawings and specifications issued for the project.

2. Bidders are to provide the Bid Bond and Payment and Performance

Bonds as indicated in the project documents, and check the appropriate box on the Bid Form SE-330. Bids without proper bid security shall be rejected as nonresponsive. Bid bonds are to be submitted on AIA Document A310 Bid Bond, or an equivalent form.

3. All questions should be issued to the architect in writing. Contact information for the architectural representative is below (please copy all three individuals on your correspondence):

   Randy Huth, rhuth@boudreauxgroup.com
   Karen Quinn, kquinn@boudreauxgroup.com
   Erica Timmons, etaylor@boudreauxgroup.com
   fax number: 803-771-6844
   phone number: 803-799-0247

4. Schedule/Phasing:
   a. Substantial Completion Date: 490 days after date of commencement - to be set in the notice to proceed
   b. refer to bid form for liquidated damages (sum of $1000 per day past substantial completion)

5. Items for Bid Form Se-330:
   a. Item 2 - bidders to indicate the form of bid security
   b. item 3 - bidders shall acknowledge **all** addenda
   c. Item 6.2 - Note the alternates for the project. Bidders shall strike through "add" or "deduct" so as to clearly indicate the price for each alternate.
   d. Read the notes on page 2A carefully and insure that you have listed your subcontractors appropriately. Please list **ALL** subcontractors indicated on the bid form. Failure to list a subcontractor will render the bid non-responsive.

6. Unit Prices - not required to be submitted at the time of the bid opening, but the apparent low bidder will be required to submit this item as indicated in Spec Section 012200 Unit Prices prior to award of bid. The Agency reserves the right to negotiate the unit prices with the bidder. Unit prices have no bearing on the contract award.

7. Owner will hire a third party testing agency for testing and inspections. Contractor is responsible for testing for their own quality control measures and for items retested due to noncompliance with the original test.

8. Temporary Facilities:
   a. power supply (transformer provided by owner)

b. maintain services and utilities to adjacent buildings at all times
c. contractor's laydown area - as noted on the PowerPoint presentation review of the site (see attached to this document); very tight site constraints
d. storage of materials - contractor to secure and insure materials stored on site
e. see specifications for temporary fencing requirements
f. Site Access/parking - owner will provide 20 spaces in Blossom Street garage for contractor's use. Meter spaces around the building on both Sumter and Greene streets are owned and managed by the city of Columbia and contractor must coordinate with them if these spaces are to be utilized during construction. There is limited space surrounding the building for contractor laydown and staging of materials.
g. driveway into Preston Green to remain operational for duration of construction for access to President's house and other buildings. See C1.1 for fencing locations and flagmen requirements for the project.

9. LEED N-C for buildings
    a. construction waste management - see specifications for requirements
    b. commissioning and other LEED requirements throughout the documents

10. Special Conditions on the project
    a. Project is a three story brick building with penthouse and basement. Building will be gutted down to the structure and will include all new interior work, seismic upgrades, renovations to the exterior facade and a new roof, a new atrium addition with a green roof, and new HVAC, electrical, and plumbing systems. Of note is the access flooring system with underfloor air and electrical distribution for the project. Anything not removed by the owner prior to start of project will be part of the demolition work. The intent is that anything not attached to the building will be removed prior to start of work.
    b. Historic site wall - be careful with historic structure regarding vibrations and excavations. Any damage to the historic wall will be repaired by the contractor.
    c. underfloor plenum - needs to be sealed perfectly; testing for this item indicated in project manual; see A11 series of drawings for coordination of walls that continue through the access floor.
    d. asbestos and lead paint removal and other hazardous materials <u>are</u> part of the project. See Appendix A and B provided in the specifications and drawings for details. Coordinate with

requirements in Specification section 080152 "Restoration of Wood Windows and Doors".

11. Tours of the building - the building will not be toured at this time, but we will go through a PowerPoint of the site at this time, and the building is open during normal school hours for inspection. Visitors are asked to be respectful of offices and classes inside the building during their visit.
    a. Please see item in Addendum #1 indicated time that the basement and crawl space will be open for interested parties to observe these spaces.

12. Questions and comments are as follows:
    a. Will another project's laydown area in the same area as this project's laydown area be a conflict?
    This project will be under construction first, and the laydown area designated on the drawings will be provided.

    b. Will the PowerPoint from today's presentation be available to us?
    The PowerPoint presentation is attached to the meeting minutes.

    c. Is the grade raised anywhere around the project?
    There are minor changes to the grades to allow access to doors. A raised plaza is indicated along the Sumter Street facade. Landscape drawings show a minor revision to erosion at the sidewalk along Sumter street.

    d. In the specifications, the asbestos and hazardous materials are noted as being removed from the project by the owner prior to start of work, is this correct?
    This is incorrect and will be revised by addendum. All hazardous material and disposal is part of this contract, see Appendix A and B of the specifications and drawings included with the set.

kq:et
Cc: Attendees; File.510

UNIVERSITY OF SOUTH CAROLINA

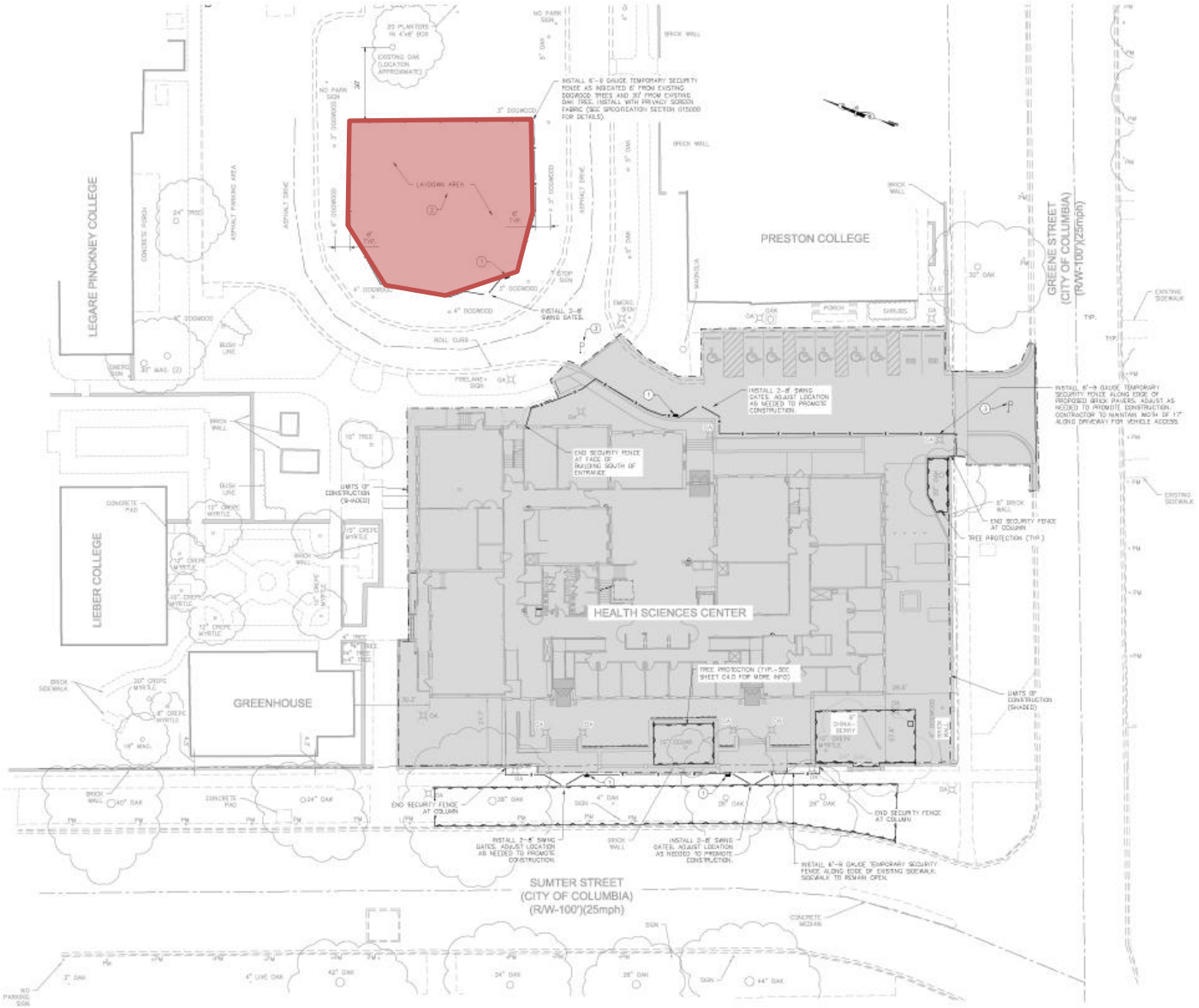
HEALTH SCIENCE RENOVATIONS

SCHOOL OF JOURNALISM AND MASS COMMUNICATIONS

The Boudreaux Group

Interdisciplinary Design Architecture Interiors Planning

a building that communicates



a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates

a building that communicates