

DELAWARE STATE UNIVERSITY
GROSSLEY HALL SECOND FLOOR RENOVATIONS

DBF #2325A001.002

MAY 30, 2014

ADDENDUM NO. 2

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.

ITEM NO. 1: Clarification Window Treatment: The GC shall provide and install 2" slats, aluminum horizontal window blinds for all new windows, in accordance with the technical specifications.

ITEM NO. 2: Clarification doors 213, 214, 215, and 226: As noted on the door schedule, these frames are new hollow metal, the doors are existing and to be refinished.

ITEM NO. 3: Clarification Hardware sets for doors 202 and 204: Hardware set for door 202 shall be Set No. 4 and hardware set for door 204 shall be Set No. 5

ITEM NO. 4: All existing metal doors to receive new hardware shall be reinforced as needed as to not compromise the door integrity.

ITEM NO. 5: The hardware set for doors 224 and 225 shall be as follows:

(6) Hinge (standard weight)	TA2714, 4.5x4.5	US26D	MK
1 Mortise Lockset (storeroom)	L-Series	626	SC
1 Cylinder	1040 Mortise as required	626	SC
1 Flush bolt	283D	US26D	Hager
1 Core Only	Final Core by Owner	Schlage Primus Core	

ITEM NO. 6: Door 222 shall be changed to (3) three 42" solid door leafs with (3) three tracks in lieu of a double sliding door. Hardware will remain the same (Set 6), with the exception of (3) Track/Hanger Sets.

ITEM NO. 7: All new walls shall refer to Note 7 on sheet A1. Note 7, shall be revised to clarify the wall composition. The walls shall be 3 5/8", 18 ga metal studs @ 24 inches on center with sound attenuation batt insulation and 5/8" gypsum wallboard on each side (Provide STC 55, minimum). The contractor shall provide a continuous acoustical sealant joint at the bottom track between the floor and bottom of wallboard. Resilient channels shall be 16 ga. If the wall system requires bracing, it shall be laterally braced with 18 ga. diagonals laid flat.

ITEM NO. 8: Clarification, Refer to Door Hardware Specification 08 71 00, Hardware Sets: Hardware Set No. 1 shall be deleted.

ITEM NO. 9: Clarification, exterior wall wire mold: There shall not be any wire mold on the exterior walls. These walls are built out per Detail O8 on sheet A3.

ITEM NO 10: Clarification, interior wall wire mold: On existing interior cmu walls, the contractor shall provide/install surface mounted raceways and surface mounted electrical, data/comm boxes. Raceways shall be sized in accordance with the NEC, current edition.

ITEM NO. 11: Refer to sheet E2: The data and power outlets shown in the center of the room in Student Workshop 205 and Conference 208C are to be installed as flush, ceiling mounted devices for future networking equipment.

ITEM NO. 12: Refer to sheet E2 and Specification 16950: Combination data/phone outlet symbol shown on sheet E2 shall be revised to indicate the following work – “Provide deep electrical box and 1” empty conduit with pull cords and bushed end to accessible ceiling space. Devices, cover-plates, and cabling to be provided by the University’s vendor.” Reference to phone/data cables in spec section 16950 shall not apply.

ITEM NO. 13: Refer to Fire Alarm Specification, 16720: The scope of work for the fire alarm devices has been revised in the specifications, **see attached specification section**. The company responsible for the fire alarm monitoring and fire alarm system maintenance for this building is Advantech. Contractor and sub-contractors shall coordinate fire alarm with Advantech prior to installation, programming, and final terminations.

ITEM NO. 14: RTU Detail on sheet M2 indicates that not all ductwork will fit between the new and existing ceilings and that the contractor shall remove existing ceilings as required for installation of ductwork.

ITEM NO. 15: Clarification sheet M1, note 4: Spec section 15971 – Electronic DDC Control System is required. Space thermostat locations shown on sheet M1 and general note 4 apply.

ITEM NO. 16: The contact person for Johnson Controls during design was Max Singer, 410-527-2650.

ITEM NO. 17: Refer to Specification 08 14 00: Wood doors shall be field stained and shall match the existing wood doors to be refinished and relocated.

ITEM NO. 18: The general contractor shall provide a Bid Alternate #1, which shall include supply and install of Alterton BAS control system.

ITEM NO. 19: Refer to Special Note 4 on sheet M1: we describe the removal of an exhaust fan and curb cap. On the existing roof curb that would remain after the demolition, a new transition curb is to be placed for support of ERV-1.

ITEM NO. 20: Clarification: All existing ductwork, terminal devices, and all accessories shall be removed within the limits of construction . All ductwork, grills, registers and diffusers shown on sheet M1 are new.

ITEM NO. 21: As indicated on drawing T1, General note #5, *Any items not specifically shown on the drawings, but which are reasonably incidental to and necessary for the satisfactory completion of the project in accordance with industry standards, are included within the intent of these drawings.*

ITEM NO. 22: As indicated in the general conditions, the Contractor is responsible for securing and paying for building permits. The schedule submitted with bid shall reflect a start date that allows enough time to secure permitting per applicable codes.

END ADDENDUM

SECTION 16720 - FIRE ALARM SYSTEM

PART I. - GENERAL

A. GENERAL REQUIREMENTS

1. The work required under this Section shall conform to the requirements of "Division I, General Requirements," "Conditions of the Contract" and "Supplementary Conditions." Specific attention is called to the "Mechanical and Electrical General Requirements" Sections of the specifications.
2. All related work specified in other Sections shall be properly coordinated with the fire alarm system.
3. System shall be an extension of the existing building Honeywell Silent Knight system IFP2000.
4. Installer's Qualifications: Firms specializing and experienced in addressable, electronic fire alarm system installations for not less than 5 years. Firms shall have in-place within ninety (90) miles by roadway of project site a support facility with necessary technical staff, spare parts inventory, test and diagnostic equipment.

B. WORK INCLUDED

1. Design, furnish and install a complete Fire Alarm Systems as required to provide initiation and alarm for life safety per NFPA codes and Delaware State Fire Prevention Regulations. System shall be complete and wired, connected, and left in a first class operating condition. All equipment shall be listed by the Underwriters' Laboratories.
2. Minimum scope of work shall include:
 - a. Retention of the existing manual pull stations.
 - b. Audio and/or visual devices shall be provided in main corridor, Lobby 204, Workshop 205, Corridors 207 and 208, Conference Rooms 208C and 209B.
 - c. Unused existing devices in the main corridor and work areas shall be demolished, including demolition of wiring and conduit back to panel or active circuitry.
 - d. Upgrade existing Silent Knight battery power supply as may be required for added devices.

C. CODES AND STANDARDS

1. Electrical Standards: Provide electrical products which have been tested, listed and labeled by UL and comply with NEMA standards.
2. NEMA Compliance: Comply with NEMA standards pertaining to components and devices for electric control systems.
3. NFPA Compliance: Comply with NFPA 70, NFPA 72, and NFPA 101.
4. Delaware State Fire Prevention Regulations: Fire alarm system installer shall be certified and licensed by the State of Delaware.

D. SUBMITTALS

1. Manufacturers' product and system literature and illustrations.
2. A description of the system operation which includes the method of operation and supervision of each type of circuit (alarm initiation, signaling, control annunciation, etc.), operation of manual controls, and sequence of automatic and manual operation. The system description shall be written specifically for this project. The manufacturer's standard descriptions which refer only to general operation are not acceptable.
3. Wiring diagrams showing all devices and equipment and the method of wiring for each type of circuit for each function performed
4. Installation and operating instructions. provide copies for inclusion in the O&M manuals.
5. Submit fire alarm shop drawings to the Office of the Delaware State Fire Marshal, the authority having jurisdiction. Include copies of the floor plans to depict component locations to facilitate reviews. Upon receipt of comments from the authority, submit a copy of the marked up submittal for review by the Engineer. Make resubmission to the authority, if required to make clarifications of revisions and/or to obtain approval.

PART II. - EQUIPMENT AND SYSTEMS

A. SYSTEM OPERATION

1. The Fire Alarm System shall be designed and equipped to receive, monitor, and annunciate signals from devices and circuits installed throughout the building. Manufacturer's standard control switches shall provide the required operation, including performance, supervision, and position indication. Operation of any approved initiating device of alarm, trouble, and supervisory shall cause audible signals to sound on a continuous basis, flash all visual alarms, indicate initiating device and zone on the annunciator, and remain in alarm condition until the initiating device and control panel are reset to normal.
2. Fire alarm system equipment shall be Honeywell Silent Knight products, compatible with the existing building IFP2000 system, which constitute the type and quality of the equipment to be used.

PART III. - EXECUTION

A. INSTALLATION

1. Provide and install the system in accordance with the plans and specifications, all applicable codes and the manufacturer's recommendations. All wiring, if installed in conduit, shall be in a completely separate conduit system. Wiring shall be installed in strict compliance with all the provisions of NEC - Article 760, Power-Limited Protective Signaling Circuits.

All junction boxes shall be sprayed red and labeled "Fire Alarm."
Wiring color code shall be maintained throughout the installation.

2. Installation of equipment and devices that pertain to other work in

the contract shall be closely coordinated with the appropriate subcontractors.

3. The contractor shall clean all dirt and debris from the inside and the outside of the fire alarm equipment after completion of installation.

B. TESTING

1. The completed fire alarm system shall be fully tested in accordance with NFPA-72H by the contractor in the presence of the owner's representative and the Local Fire Marshal. Upon completion of a successful test, the contractor shall so certify in writing to the owner and general contractor.

C. WARRANTY

1. The contractor shall warrant the installed fire alarm system wiring and equipment to be free from inherent mechanical and electrical defects for a period of two (2) years from the date of the completed and certified test or from the date of first beneficial use.

END OF SECTION 16720