



WASHINGTON STATE
UNIVERSITY

Addendum No. 1
December 16, 2022

Wegner Hall Rm 310, 320B and 320BA HVAC
Upgrades
Washington State University
Pullman, WA

Project No. 1654-2022
Washington State University
Facilities Services, Capital

**Addendum No. 1
December 16, 2022**

**Wegner Hall Rm 310, 320B and 320BA HVAC Upgrades
Washington State University
Pullman, WA**

Bid Date: December 20, 2022

1. This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 26, 2022, and any prior addenda, as noted below.
2. Please acknowledge receipt of this addendum on the Form of Proposal.

This Addendum consists of nine total pages including the following Attachments:

Pre-Bid Meeting 12/6/2022: Meeting Minutes
Pre-Bid Meeting 12/6/2022: List of Attendees
M3.01 – Third Floor Mechanical with Notes

Changes to prior Addenda:

N/A

Changes to Bidding Requirements:

None

Changes to Specifications:

SP 1-1. SECTION 26 05 29 – Hangers and Supports for Electrical Systems

- Item 1. Part 2 Products, Article 2.01 Support and Attachment Components, Paragraph A, Subparagraph 4: Delete “Where support and attachment component types and sizes are not indicated, select in accordance with manufacturer's application criteria as required for load to be supported with minimum safety factor of [____]. Include consideration for vibration, equipment operation, and shock loads where applicable.”

Make read:

“Where support and attachment component types and sizes are not indicated, select in accordance with manufacturer's application criteria as required for load to be supported with minimum safety factor of 1.5. Include consideration for vibration, equipment operation, and shock loads where applicable.”

Questions and Clarifications:

- 1-1. Question: Is there an elevation view drawing available as the drawings do not show an elevation view for the ceiling height from the 3rd floor through the roof?

WSU Response: See attached marked up M3.01 Drawing.

- 1-2. Question: On plans page M4.01 It lists a 2-way Valve for the heating and cooling coils. Do you all have one that had been chosen by you or the engineer?

WSU Response: Our control spec has the valve actuator requirements, but the actual valve body spec was omitted. The valve is called out in detail 2 on M4.01 as a "2-way pressure independent control valve (PICCV)". Siemens' version of this valve (PICV) in the sizes we are looking at all have a 200 psi close off pressure and are selected based on the "factory preset max gpm" rather than CV. That gpm is achieved with as little as 2.3 psid across the valve.

- 1-3. Question: about the Gravity Ventilator and cutting it in to place. What material are we going to have to cut through. Is it a concrete Slabbed roof or is it metal decking?

WSU Response: The roof construction appears to be concrete over metal deck on steel beam. Reference sheet 7.11, stating detail 12 and sheet 7.6 on the sloped section of the roof and not the penthouse roof.

Changes to Drawings:

DWG 1-1. Drawing T0.00 – Project Cover Sheet

- Item 1. Index of Drawings – Delete: Sheet E603. It is not included, nor should it be.

END OF ADDENDUM No. 1

PRE-BID MEETING

WSU Project: Wegner Hall Rm 310, 320B and 320BA HVAC Upgrades Renewal (1654-2022)

Meeting Date: December 6, 2022

Time: 2:30 AM

Meeting Location – McCluskey 190D (meet at McCluskey for general overview and then travel to Wegner Hall for site walk)

Recorded by: Roy Senter

1. Introductions:
 - a. WSU Facilities Services Project Manager: Roy Senter (senter@wsu.edu 509-335-9352)
 - b. WSU Facilities Services Construction Manager: Jason Harper (jaharper@wsu.edu 509-335-8299)
 - c. WSU Occupant/Customer: Wegner Hall - Voiland School of Chemical Engineering and Bioengineering (Billy Schmuck – Coordinator)
 - d. Design Engineer: MSI Engineers; Aaron Donnelly (Mechanical), Ben Jennings (Electrical)
 - e. Attendance at the pre-bid meeting is mandatory for General Contractors/Prime Bidders. Please identify yourself during the meeting and provide your name, company and phone number in an email to contracts@wsu.edu.
 - f. The Owner's meeting minutes will be routed to project plan holders as part of an addendum.
 - g. Send all questions regarding this project to the Facilities Services Project Manager, with copy to Facilities Services Construction Manager:
 - i. All questions must be received no later than, Wednesday, December 14, 2022.
 - ii. All requests for substitutions must be received by Wednesday, December 14, 2022.
 - h. Addenda will be forwarded to all plan holders. Addenda will be issued no later than COB on Friday, December 16, 2022.
 - i. This is an active campus. There are students, faculty, and visitors who either will not be aware of construction or will be distracted. Contractors must routinely work around the pedestrian population on campus as well as control noise and other construction related activities to minimize the effect on the campus. WSU is committed to a completely accessible campus. This means that when construction activities interfere with accessible pathways, that the General Contractor is responsible for putting in place temporary facilities (ramps, pathways, etc.,) to assure that all pathways are available. Harassment in the workplace is not tolerated at WSU. All trades are required to conduct themselves such that harassment, real or perceived, does not occur. Offending individuals will be permanently removed from the project.
2. Project Description:

This project at Wegner Hall will renew HVAC and electrical components serving Rooms 310, 320B and 320BA. Demolition and new construction will take place in the penthouse, second floors for the network systems with most occurring in the area of Rooms 310, 320B and 320BA. General scope includes, replacing the existing fan coil unit and heap filter, condensing unit, ductwork, dampers, and controls with 3 fan coil units attached to mixed air plenums. On-site work scheduling must be coordinated with the WSU Construction Manager and Wegner staff. General work that does not require a shutdown or interfere with facility operation can be done during regular business hours (8am to 5pm M-F) throughout the year. Work that does require a shutdown or will interfere with facility operation must be done during facility down-time. Work that does

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require a shutdown of the heating or cooling systems may be scheduled to occur for short duration during evenings or weekends. Project must be substantially complete by April 16, 2023. Proposals **MUST BE** based on these Contract Time constraints.

- a. Location: 1505 NE Stadium Way., Pullman, Washington, 99164
 - b. Access/Haul Routes: Site access will be from Stadium Way Lay-down area available at loading dock area of the unoccupied McCoy South. Coordinate exact haul route and lay-down specifics with WSU Construction Manager. Contractor to provide site logistics plan with pre-con submittals. Contractor shall provide seven days prior notice for any restrictions or closure for scheduled deliveries or installations. Any restrictions or closures will require traffic control.
 - c. Occupied Area: Owner will be occupying this facility during construction. Reference 01 31 23, section 1.05.A for all access and security protocols.
 - d. Existing Hazards: The Wegner Hall has x-ray equipment and chemical hazards present at the facility chemicals are securely stored onsite.
 - e. The work area for this project will not contain any radiological and chemical hazardous materials. Reference (00 72 00 General Conditions; Attachment A: Good Faith Hazardous Material Survey)
 - f. Schedule Constraints: Substantial completion is due by April 16, 2023.
 - g. Parking. Parking on campus is enforced 24 hours a day, every day. It is the bidder's responsibility to obtain parking permits to attend pre-bid meetings, site visits, and bid openings. Go to www.parking.wsu.edu for more information about visitor parking permits. Labor force parking and permits: Minimal parking will be available onsite. Workers will need to park in existing lots on campus. In an attempt to minimize impact on annual permit holders, Contractors and sub-contractors will be able to park on the mall by purchasing a commercial mall service permit. The quantity of vehicles should be limited whenever possible. They can buy daily, 10 day or monthly permits through Transportation Services. Work that requires on site vehicles can be accommodated by parking within the site fence with a contractor permit.
 - h. ADA. ADA access must remain open during construction. Contractor to develop and submit plan for temporary ADA access if necessary.
3. Estimated Base Bid, not including taxes, is approximately: **\$300,000 to \$350,000.**
 4. Expected Notice to Proceed date: **December 30, 2022.**
 5. Estimated Contract duration after Notice to Proceed: **Substantial completion required by April 16, 2023.**
 6. Bidders should review the complete version of the bid instructions in the Contract Documents and in any forth coming addenda. Especially note the following:
 - a. Bids shall be made upon the form of proposal in the Contract Documents.
 - b. All information requested on the bid form shall be filled out completely and entirely to include:
 - i. Base Bid amount – Required
 - ii. Alternate amount(s) as required – N/A
 - iii. Unit Price amount(s) as required – N/A
 - iv. Acknowledgement of each addendum received – Required

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- c. The bid **shall** include a bid security bond.
 - d. Bids shall be prepared and submitted according to the instructions in specification section 00 21 13.
 - e. The bidder is responsible for submitting the documents by the time noted in the bid specifications.
 - f. Bids will be received prior to 2:00 p.m.; December 14, 2022 at Facilities Services, McCluskey Services Building, 2425 East Grimes Way, Pullman, WA 99164-1150. Proposals will then be publicly opened and read aloud at 2:30 p.m. by ZOOM
<https://wsu.zoom.us/j/93059713448?pwd=UWgUUjVTQkdSUo4ToE2cmlocWh2UTog&from=addon> or Phone 253-215-8782 and entering Meeting ID : 930 5971 3448 and Passcode: 450530. Attendance in person is not allowed.
 - g. Bidder Responsibility Mandatory Criteria: It is the intent of the Owner to award a contract to the low responsible bidder. Prior to awarding a contract, the apparent responsive low bidder must submit documentation demonstrating compliance as per Section 00 21 13, Part 1.17 – Low Responsible Bidder. Be prepared to submit the required documentation with 48 hours of receipt of request.
7. Summary of Construction Administration Requirements:
- a. For complete project administrative requirements refer to Division 1 and the General Conditions of the Contract Documents and addenda.
 - b. Prior to starting work; the contractor will be required to submit a Schedule of values and a construction progress schedule in a critical path method format for review and approval.
 - c. Weekly progress meetings will be conducted during the course of the project unless otherwise approved by the owner.
 - d. Material information and/or shop drawings shall be submitted to the Owner for approval. The construction progress schedule shall include time for the submittal review and distribution process.
 - e. O&M Manuals and As-built drawings shall be submitted prior to substantial completion and the final application for payment and shall be identified as activities on the construction progress schedule.
8. Discussion/Remarks/Concerns:
- a. City of Pullman Permit has been approved. Contractor to pick-up permit and pay fees prior to starting construction.
 - b. Some work over office spaces required. We will work with the owner to have materials removed from the spaces and regarding the office occupancy.
9. Questions from potential bidders:
- A. Can they have a dumpster?

Yes. Jason Harper will coordinate the dumpster and other access in locations between the loading dock areas of Wegner Hall, McCoy Hall and McCoy South. He may be able to coordinate access to the recycling center to allow recyclable metal materials to be deposited at that location on campus as well.

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- B. They have some concern regarding where to put the chilled water point of connection where it is less crowded.

There is some leeway for connection points as long as they are in the lines before the air handler coils. Jason and I have no issue in terms of flexibility regarding these connections as long as the connections remain on the main chilled water lines before they are used for cooling loads on the 2 main air handlers. They can not be applied in the pumped loop water circuits of the air handlers.

- C. They are interested in using copper line.

The use of copper piping is not prohibited on the plans. Please see sheet Mo.01, piping and hydronics. Also refer to the specifications.

End of Meeting

PRE-BID MEETING ATTENDANCE RECORD

[illegible]

