

DATE: January 14, 2020

DEPARTMENT OF GENERAL SERVICES
BUREAU OF PRE-CONSTRUCTION
1800 HERR STREETS
HARRISBURG, PENNSYLVANIA

ADDENDUM NO. 2

on

PROJECT NO. DGS C-0407-0073 PHASE 001

PROJECT TITLE - Indiana University - Weyandt/Walsh Hall Replacement

PROFESSIONAL:

Perfido Weiskopf Wagstaff + Goettel

408 Boulevard of the Allies

Pittsburgh, PA, 15219

If you submitted a bid through e-Builder prior to this Addendum being issued, your bid has been discarded and you must re-submit your bid(s) through e-Builder prior to the bid opening date and time. Please see Section 4.C. of the Instruction to Bidder

See attached written addendum and associated drawings and specifications.

DEPARTMENT OF GENERAL SERVICES
BUREAU PRE-CONSTRUCTION
1800 HERR STREET
HARRISBURG, PENNSYLVANIA

ADDENDUM NO. 2

on

**PROJECT NO. DGS C-0407-0073 PHASE 1
WEYANDT/WALSH HALL REPLACEMENT, INDIANA UNIVERSITY, INDIANA, PA
PERFIDO WEISKOPF WAGSTAFF + GOETTEL
408 BOULEVARD OF THE ALLIES
PITTSBURGH, PA 15219**

ADMINISTRATIVE CHANGES / CLARIFICATIONS – ALL CONTRACTS

- Item 1 – Regarding the locked “Listing” and “Submittal” tabs on the SDB/SB forms. The BDISBO office recommends printing out extra copies and adding them up manually.
- Item 2 – The Department’s approval of “equal” products/systems or “substitutions” will not be considered during the bidding period. “Equals” may be part of the bid/proposal but the proposer assumes the risk of such use. Formal review of “equals” or “substitutions” occur after contract award.
- Item 3 – Contract .1 – section T-1C of the RFP, the Designated Critical Work qualification for Planetarium Cladding is referring to the exterior metal siding under specification section 074213.

GENERAL CHANGES / CLARIFICATIONS – ALL CONTRACTS

- Item 4 – Sheet CS-002: Revise sheet “H-800” to “H-800.1”.
- Item 5 – Each prime contractor is subject to the General Conditions to the Construction Contract. The collection, transportation and disposal of Solid Waste is stipulated in Paragraph 6.38.
- Item 6 – Greenhouse clarifications:
 - Low-E glass and insect screens to be provided as specified.
 - Exhaust fans are to be wired and controlled by EC.
 - Digital environmental control systems are to be provided for each zone.
- Item 7 – Penthouse clarifications:
 - Plumbing fixtures within penthouse to be provided by HC. PC shall make final connections below penthouse in the interstitial space.

CLARIFICATIONS – CONTRACT NO. DGS C-0407-0073 PHASE 1.1

- Item 8 – Blocking to be provided at all NIC casework.
- Item 9 – Hazardous Material Monitoring will be provided by Department and Contractor.
- Item 10 – Door frames are 1” wide unless noted otherwise. Adhere to Acoustic Wall Panel note 1/AL-001 for locations.

- Item 11 – Recessed tracks of Mobile High Density Storage Systems are provided by .1 contractor. Mobile High Density cabinets are NIC.
- Item 12 – Hot fluid applied waterproofing is to be used at terraces, per keynotes and specification. Sheet waterproofing is to be used at foundation walls, per keynotes and specification.

CLARIFICATIONS – CONTRACT NO. DGS C-0407-0073 PHASE 1.2

- Item 13 – Temporary gas fired equipment is allowable in lieu of portable steam or hot water equipment for temporary heat. The permanent steam system can also be used for temporary heat. Protection and cleaning is required to keep it in new condition and not dirty any ductwork. Use of the AHU must be 100% OA until the spaces are clean.
- Item 14 – Seismic restraint is not required.
- Item 15 – Painting of exterior HVAC materials by HC and interior exposed HVAC materials by GC.
- Item 16 – Per general note 9, the entire toilet exhaust system to be aluminum construction.
- Item 17 – All 316 stainless steel ducts are to be fully welded.
- Item 18 – Refer to general note 9 on ductwork plans for location of rectangular double wall ducts.
- Item 19 – Duct leakage shall be less than 10% for the exten of ductwork that is to be tested per the specifications.
- Item 20 – All ductwork associated with box 4-101 that is labeled as "TE" is aluminum per general note 9. Any other wet area is stainless steel per general note 9.
- Item 21 – SMACNA HVAC 2005 Metal & Flexible 2nd Edition can be used for pressure class -4" to -10" wg.
- Item 22 – Exhaust mains are galvanized except where noted otherwise.
- Item 23 – Refer to drawing H-300.3, keynote M94 for location of steam header.
- Item 24 – There are no flammable storage cabinets that are vented. All of EF-27, 28, 29 ductwork is 316 SS.
- Item 25 – All "snorkel" exhausts are to be provided by HVAC contractor. Refer to general note 10 on the H-20X plans.
- Item 26 – Exhaust ductwork taps off the main and through the shaft wall on each level are to use a 22" sub duct for the shaft rating and not a fire-smoke damper.
- Item 27 – Ductwork above the wood plank ceilings are to be treated as concealed.
- Item 28 – Chilled water pumps are not to be insulated with rubber in lieu of the specified removable covers.
- Item 29 – Hot water and steam convertors are to be insulated as specified.
- Item 30 – Chillers are to be purchased with factory applied insulation.
- Item 31 – Chilled heat exchangers, chillers, air separators, and expansion tanks are to be insulated with multiple layers as specified.
- Item 32 – Refer to Spec 237313 section 2.7 for power feeds to skids. The controls are by Siemens and will be field installed.

- Item 33 – Rooms 054 and 070A1 are considered occupied space and should be double wall as required. Rooms 058, D025, 174 are utility/storage rooms and do not need to be double wall. Room 174A does not have any ductwork within the room. The duct stops at the wall with a bird screen cover.

CLARIFICATIONS – CONTRACT NO. DGS C-0407-0073 PHASE 1.3

- Item 34 – Temporary services and disconnection of existing services at existing buildings to be demolished are part of the site contractor's scope of work.
- Item 35 – There is no gas service to the new main building. Gas service will be provided to greenhouse as part of Base Bid 3.
- Item 36 – Specification section 226213: Vacuum piping and vacuum exhaust piping to be the same.
- Item 37 – All equipment on skids ES-1 and ES-4 shall be provided by the HVAC contractor. HVAC contractor shall refer to plumbing specification for equipment information.
- Item 38 – Contractor shall provide a metal loop expansion or equivalent as approved by the professional. Expansion loop shall comply with NSF 61. RO piping shall be installed with pipe offset expansion loop.
- Item 39 – Polypropylene piping shall be acceptable above grade in non return air plenums within the project building. PVFD piping shall be used in any return air plenums.

SPECIFICATION CHANGES – CONTRACT NO. DGS C-0407-0073 PHASE 1.1

- Item 40 – Page 064115-5: Add Privacy Curtain and Track Assembly – see reissued section.
- Item 41 – Page 102123-1: Delete Black Out curtains from section – see reissued section.
- Item 42 – Page 115325-1,11: Add Welding and Blackout curtains – see reissued section.
- Item 43 – Page 123554-10: Add Coat Hook Strips – see reissued section.
- Item 44 – Page 126100-2-4:
- Additional approved manufacturers include Irwin Seating and Haworth.
 - Fabric color and pattern as selected from manufacturer's standard.
 - Seat backs to recline 26 degrees and minimum height back of 39".
 - Delete cup holder from arm rests.
 - Delete upholstery at arm rests and end panels.
 - See reissued section.
- Item 45 – Page 133413-8:
- Add Shadeband Material Flame-Resistance Rating.
 - Add "Provide 900 ft candles capacity at table surface." At E.1. Grow lights.
 - See reissued section.

SPECIFICATION CHANGES – CONTRACT NO. DGS C-0407-0073 PHASE 1.2

- Item 46 – Pages 230713-2,4:
- Add exhaust and relief exposed and concealed duct system categories to ductwork insulation schedule.
 - Add clarification of ducts to be insulated under 2.7 A.
 - See reissued section

- Item 47 – Pages 232113-5: Revise fitting type at steam system lines. See reissued section.
- Item 48 – Pages 233113-5: Revise section 2.5 A, B, G. See reissued section.
- Item 49 – Pages 233300-7: Revise section 3.1 I. See reissued section.

DRAWING CHANGES – CONTRACT NO. DGS C-0407-0073 PHASE 1.1

- Item 50 – Sheet C-2.0:
 - Add note to reference sheet A-633 for site sign details.
 - Add note at courtyard site steps to clarify cheek walls, not retaining walls.
- Item 51 – Sheet C-3.0: Add grade elevations at courtyard site steps.
- Item 52 – Sheet C-4.5: Revise depiction of communication manhole at southeast corner of new building.
- Item 53 – Sheet C-5.6: Revise size of typical telecommunications manhole (detail 4) to 8' x 8'.
- Item 54 – Sheet C-7.1:
 - Revise Stage 1 Note 18.
 - Revise Demolition Note 12.
 - Add note at south east storm line. It is not the intent of the design to require demolition and rebuilding of any University entrance gates.
- Item 55 – Sheet C-7.2: Add general note after Stage 2B notes.
- Item 56 – Sheet C-7.3: Add general note after Stage 4 notes.
- Item 57 – Sheet EC-002: Revise Manhole Detail.
- Item 58 – Sheet A-611:
 - Revise RB type to RB-1 and RB-2 to correspond with specification.
 - Revise PCT to CT-1, CT-2, CT-3, CT-4 to correspond with specification.
 - Revise ceiling type at rooms 101H, 101J, 101L, 101M, 101N to match RCP.
- Item 59 – Sheet A-633: Add building site sign details.
- Item 60 – Sheet AL-001:
 - Drawing 1: Revise mounting height and qty. of shelves for open shelves (ASXXX).
 - Drawing 4: Revise notes and mounting heights.
- Item 61 – Sheet AL-004: Drawing 2: Revise general note.
- Item 62 – Sheet AL-009:
 - Revise MCH-01 to be installed by Contractor.
 - Add MCH-47.
 - Revise KYL-08, FAI-09, and FAI-10 to be installed by Client Agency.
- Item 63 – Sheet AL-010: Revise 330-18, 330-19, and 330-20 to be installed by Client Agency.
- Item 64 – Sheet AL-200b:
 - Add note for welding curtain.
 - Add MCH-47.
 - MCH-01 to be installed by Contractor.
- Item 65 – Sheet AL-201c:
 - Revise label for Light Duty Compact Storage to Top Track High Density Storage.

- Revise greenhouse tables from stainless steel to aluminum.
- Item 66 – Sheet S-101:
- Step footings where indicated in order to pass utilities over footings.
 - Lower footing and add pier for column L-9.5.
 - Note that there are duct banks which penetrate the basement wall near grid line C-2.
Contractor shall coordinate opening size and location prior to placing the basement walls.
- Item 67 – Sheet S-105: Locate cooling tower per HVAC drawings. Revise framing sizes for this location.
- Item 68 – Sheet S-106: Locate cooling tower per HVAC drawings. Coordinate exact support location dimensions with equipment provider.

DRAWING CHANGES – CONTRACT NO. DGS C-0407-0073 PHASE 1.2

- Item 69 – Sheet H-001: Revise keynote M44.
- Item 70 – Sheet H-200.2: Revise keynote M133 at 40"x22" EA duct to M132.
- Item 71 – Sheet H-201.3: Revise keynote M44.
- Item 72 – Sheet H-205: Revise general note 9.
- Item 73 – Sheet H-401: Revise 12" dia. MPS to 10" where indicated.
- Item 74 – Sheet H-602: MPS sizes revised as indicated. Note added at FT-1. The WH-1 and WH-2 are part of ED-1 and part of the .2 contractor scope. Delete referenced text.
- Item 75 – Sheet H-701.3: Revise Plate and Frame Heat Exchanger Schedule (Penthouse) as indicated.
- Item 76 – Sheet H-702.1: Revise MPS size at ES-3 Section as indicated.
- Item 77 – Sheet H-702.2: Revise Steam Pressure Reducing Valve Schedule as indicated. Maximum dba 85 TWA that requires hearing protection. The intent of the pressures in the schedule is for the station overall control.
- Item 78 – Sheet H-703: Revise note 8 of Closed Circuit Cooling Tower Schedule as indicated.

DRAWING CHANGES – CONTRACT NO. DGS C-0407-0073 PHASE 1.3

- Item 79 – Sheet P-202.C: Revise keynote at LWV line at column line D.3 to "Provide 3" vent piping and appurtenances down through floor." Provide vertical sanitary vent piping down through building to basement level.
- Item 80 – Sheet P-304.B: Revise note 4-18 to be a 2" line up to penthouse. Only 1 water supply for the mechanical penthouse will be provided.

DRAWING CHANGES – CONTRACT NO. DGS C-0407-0073 PHASE 1.4

- Item 81 – Sheet E-201.C: Add power for 3 exhaust fans at greenhouse.
- Item 82 – Sheet E-700.B: Add power for 3 exhaust fans at greenhouse to panel schedule PLN-BF.