

Facility Services Planning and Development  
PO Box 5637  
Flagstaff, AZ 86011

928.523.4227  
928.523.9441 fax  
[www.nau.edu/facility-services](http://www.nau.edu/facility-services)

**SCIENCE ANNEX 1<sup>ST</sup> AND 2<sup>ND</sup> FLOOR RENOVATION**  
**NAU Project #09.200.201**  
**July 14, 2020**

**ADDENDUM #2**

**PART 1 – GENERAL**

- A. Date of Issue: July 14, 2020.
- B. The following Addendum shall be incorporated in the Contract Documents of the above-named job, and all requirements herein are fully a part of the Contract Documents as if included therein.
- C. Offerors shall acknowledge receipt of all Addenda in their Hard Bid Response, on FS#1 Form of Bid. Failure to do so may subject the Bidder to disqualification.
- D. The following clarifications are for informational purposes only and are in response to questions received regarding the Hard Bid procurement for NAU Project #09.200.201– Science Annex 1<sup>st</sup> and 2<sup>nd</sup> Floor Renovation.

**PART 2 – CLARIFICATIONS**

1. **Question:** On G0.01 it states that the project needs to meet LEED Silver. What are the contractor's responsibilities?

**Answer:** *The project will endeavor to meet the criteria for the LEED Certification. A specification section outlining the work requirements (i.e. waste management plan and submittals) will be issued as part of the next addendum and most likely will be covered as an Add Alternate.*

2. **Question:** Where on the bid form are we supposed to provide unit prices? Lighting vendors don't usually break these down. Can they be supplied after award?

**Answer:** *The FS#1 (Form of Bid) has been modified to include a table where the unit pricing can be provided. This revised FS#1 is included with this addendum.*

3. **Question:** Will the hazardous material reports be provided prior to bid? This will help us understand what will be done by NAU vs. what will be included in the demo scope.

**Answer:** *The FS#13 is included with this Addendum #2. Any abatement required for each phase of the project will be done prior to the contractor commencing work for that phase.*

4. **Question:** Why do we have a deferred submittal for fire stopping?

**Answer:** *Typical firestopping conditions are addressed in the drawings. Any work that requires the penetration of an existing rated assembly requires a submittal that addresses the specific work to be done at the location of the penetration and in consideration to the item penetrating the assembly. Firestopping notes 4 and 5 on sheet A11.01 outline when an engineering judgement would be needed. Those are deferred submittal items that result from existing conditions.*

5. **Question:** Currently there isn't a hardware schedule on the plans. Will this be provided?

**Answer:** *The hardware schedule is included in the project manual. Hardware sets will be noted with the addendum drawings as part of the schedule, but the manual includes doors and hardware sets.*

6. **Question:** Currently the finish schedule on A12.01 is blank. Will this be provided?

**Answer:** *Yes, this information is included with the drawings included as part of this addendum. Materials are outlined in the Project Manual.*

7. **Question:** The HW-1 and HW-3 states to match existing. What is existing?

**Answer:** *The reference has been corrected on the drawings included with this addendum. The hardware schedule is provided with the project manual/specifications.*

8. **Question:** M3.02 (RCP Schedule) states to refer to architectural. Architectural refers to mechanical. What sizing should we use? Are there specific ceiling details that should be followed?

**Answer:** *The panel sizes listed in the mechanical schedules are correct. The contractor will need to coordinate the installation of the panels with the selected vendor's installation guidelines and the architectural ceiling type. See ceiling specifications contained in the project manual. Ceiling details have been added to the revised drawings where applicable, and are supplied with this addendum.*

9. **Question:** A10.01 (details 1 & 5) shows spray foam behind steel beam. Assume that this will not be required where it is inaccessible.

**Answer:** *The intent is to seal gaps to greatest extent possible.*

10. **Question:** A11.01 Fire stopping keynotes 4 & 5. The drawings do not indicate where this condition occurs. Based on the fact that this is a renovation; should a firestopping allowance be included for this condition?

**Answer:** *The extent and location of rated assemblies is shown with the Code Compliance plans on sheet G1.00. Yes, a firestopping allowance is expected given that drawings can only show where ratings are needed but they do not itemize each instance or type of penetration that will be required to complete the work. It is also expected that field conditions will require rerouting of systems and may potentially affect existing rated assemblies. The notes are specifically intended to cover conditions that are unknown.*

11. **Question:** Do the phasing plans coordinate with the MEP plans to ensure building operation continues during construction?

**Answer:** *The mechanical and plumbing construction for this new project will impact the operation of levels-3 & 4 of the building, which are occupied. The contractor will need to coordinate with NAU for any occurrence where there will be shut-downs or outages associated with piping, plumbing, and electrical system modifications. The coordination of utility outages or shutdowns is the*

responsibility of the contractor and at no time can occupied space be impacted without advance notice and approval of NAU. The provision of temporary power and heat on floor 2 is the responsibility of the contractor.

12. **Question:** What items will be salvaged prior to demolition?

*Answer:* No owner salvage is expected. The owner will remove all FFE items prior to the start of the work. Any items that remain inside areas included in the scope shall be disposed of by the selected contractor.

13. **Question:** Per A1.01 existing walls that are to remain will receive new 1/4" drywall installed over existing. Where there are new walls and existing walls exist (reference classroom 122), the plane of a R2 and K1 will not match and will be uneven. Please advise.

*Answer:* All existing walls scheduled to remain will receive 1/4 " GWB and finish. Where there is an infill wall the 1/4 " will be applied continuously over the infill and the remaining wall plane. Shims may be used as needed but the filler wall thickness is intended to match the existing walls.

14. **Question:** Please provide wall sections for areas where there are DIRRT walls. Will there be specific headers or structural elements required?

*Answer:* The intent is to preserve flexibility and allow the plenum space to be freely used to route HVAC and other systems. A section describing this has been added and will be included with the revised documents included in this addendum.

15. **Question:** Note all areas on RCPs have ceiling heights noted. Please advise.

*Answer:* See revised drawings provided with this addendum.

16. **Question:** Please provide section/detail where ceilings step in room 205, 207, 210.

*Answer:* See revised drawings provided with this addendum. The ceiling in the center is a hanging baffle system, an island floating inside the opening shown.

17. **Question:** Wall sections call for hardwood sill. Please provide detail, wood species, mounting, and specific locations on floor plans.

*Answer:* This condition is typical at every curtain wall system (CWS) sill that will result from the energy performance wall assembly being implemented. All CWS sills on level 1. Hardwood is a generic term in this case used to describe a durable wood that can receive paint or a stain. Any FSC certified hardwood species that is appropriate for use as a trim or moulding is acceptable. Details will be added to the drawings provided in this addendum.

18. **Question:** Please provide details and sections for lab casework, shelves, & marker boards including mounting details.

*Answer:* See revised drawings provided in this addendum. Also, review the project manual sections for these items.

19. **Question:** Sheet ED3.00 shows (2) chillers and associated disconnects that are to be removed and replaced. Can you please confirm equipment sizes so I can include the appropriate disconnects?

***Answer** The (2) existing pumps shown to be removed on sheet ED3.00 are the old building chilled/hot water pumps. They are currently only serving the heating system on levels-1 & 2. These pumps are to be removed but will not be replaced. The existing system that was installed to serve levels-3 & 4 will serve the remodeled floors. The building is served by the plant chilled water system and no new pumps will be added. The note on sheet ED3.00 has been corrected to identify the removal only of these (2) pumps.*

20. **Question:** Sheet E102, notes 4 & 7 show floor boxes with power and data. Please confirm what raceways will be required for the data and where they are to be run to.

***Answer:** See IT drawings included with the revised drawings provided with this addendum. The contractor shall provide the raceways/conduits to the locations shown in the drawings.*

21. **Question:** Specification 232113 Hydronic piping 2.2 I mentions grooved pipe as an option. NAU projects typically require Buy America pipe and welded pipe 2.5" and above. Is the grooved pipe acceptable?

***Answer:** Refer to NAU Design Guidelines and Technical Standards, which can be found here <https://in.nau.edu/facility-services/dp-contract/>.*

22. **Question:** The front page of the drawings note that the fire alarm is to be a deferred submittal. There is nothing in the drawings concerning fire alarm, access control and/or CCTV cameras that are typically installed at NAU. Can you specify what will be required?

***Answer:** The Fire Alarm is a deferred submittal and will need to follow the typical NAU criteria and technical standards. An existing fire alarm system is in place for the 3<sup>rd</sup> and 4<sup>th</sup> floors. See Div 28 of the NAU Technical Standards for access control. Card Readers and cameras are shown on the Electrical and IT drawings. Card readers are also in the door schedule and specification.*

23. **Question:** we are having difficulty finding the room finish schedule? Can you help direct us as to where to find that? Also, if that does not include the product specification index, where to find that as well?

Just to clarify, for example MW1 is called out numerous times in the drawings for wall types, but no clarification can be found as to how MW1 relates to Modular Wall components in the Project Manual, nor who is sourcing or installing those wall types?

***Answer:** These items are part of the revised drawings included with this addendum. Most are covered in the specifications that were provided previously. MW-1 refers to the DIRT (moveable wall partitions). All equipment, including the movable walls, will be by the Offeror and the current source is Goodman's Interiors, who provided the DIRT walls for the 3<sup>rd</sup> and 4<sup>th</sup> floor renovation. Offerors will need to carry the Goodman's pricing as their base bid since we cannot evaluate the alternates within the timeframe for contract award.*

24. **Question:** Classroom 225 remove jamb and sill covers to expose flashing. What is the scope of new work required once the cover is removed and flashing is exposed?

***Answer:** This happens around all the curtain wall windows in the scope areas. Please reference the Existing Conditions (Photos) notes on sheets G2.01 and G2.02. The jambs and sill cover will be removed to allow for the new work as described on the Envelope Energy Code Compliance sheet G1.01. The exterior walls will be treated using a spray foam insulation on the inside. This foam will act as the AV barrier and will need to lap the self-adhering membrane that was provided with the curtain wall work. An*

image on sheet G2.02 (Office 132) shows an example of the exposed flashing membrane. The spray foam may require testing for adhesion as described by the ASTM standard referenced for its application to substrates and as recommended by the product manufacturer.

25. **Question:** What is the scope for “Improve Accessibility”? Since this is a hard bid project, this should either be a defined scope or to be carried as a set allowance amount.

**Answer:** *The Accessibility improvements are further described as part of the revised drawings included with this addendum. These are limited to the seating areas described in the plans – at the two lecture halls. Also some hardware accessibility improvements are included in the scope, like the bathroom door automatic openers (based on the NAU Technical Standards).*

26. **Question:** Would you please provide additional information regarding the window coverings scope of work. The plans have no details identifying which windows are to receive shades, sizes, etc.

**Answer:** *All windows will receive shades. Window coverings will be supplied and installed by Owner. The contractor will provide roller shade pockets at all transitions from the ceiling to the curtain walls and as described on sheet A5.01. The project manual includes the specification and the schedule will include the RSP-1 (roller shade pocket).*

27. **Question:** There are sections of fire sprinkler pipe on the 1<sup>st</sup> floor that were part of the original dry standpipe system that were connected to during the 3<sup>rd</sup> and 4<sup>th</sup> Floor renovations with the understanding that these portions would be replaced in this next phase of construction including the main between the riser and standpipe and sections between and the standpipe in stair #1. Are we to remove these sections of old main and replace them with new pipe in this scope?

**Answer:** *Yes, remove the section of old pipe and replace with new pipe. This is covered in the revised drawings included with this addendum.*

28. **Question:** Does NAU have a location nearby that can be used as a job site office or a location that a temporary office can be placed and connected to power?

**Answer:** *Yes, a temporary office space can be made available in the trailer complex 23A, between Peterson (Building 22) and Babbitt Academic (Building 23) south of Building 21B. Otherwise you may be able to use space provided in the laydown area with generator.*

29. **Question:** The specifications call for a moisture system to be applied to all areas that will receive LVT and Carpet. Please clarify that you would like this applied to all areas getting new flooring since the project is the 1<sup>st</sup> and 2<sup>nd</sup> floor of a building that has a basement. The basement only covers a portion of the 1<sup>st</sup> floor and not the entire floor. Are testing and a moisture system required at all areas?

**Answer:** *The contractor should perform moisture testing at the areas that have never been covered with flooring previously, such as the basement and level one areas of the lecture halls that have never been covered by flooring. it will be necessary to conduct testing in these areas as the specification outlines. It would be appropriate to carry an allowance amount for the moisture mitigation for the lecture hall areas receiving flooring for the first time in the life of the building. Other areas where the existing VCT flooring will remain can be considered sound substrates since the flooring has not failed and the new material will be directly applied to it. An allowance to level and patch areas where partitions have been removed should also be included.*

30. **Question:** Please verify that the condition of the existing floor will dictate the overall appearance of the newly install floor (i.e. telegraph of the old flooring through the new flooring). There is not much prep work you can do to a floor if it contains asbestos.

*Answer: This is true and expected. There are instances of anchors or old attachments poking through the floor. These will be remedied as part of the abatement work in order to free the floor of obvious imperfections but by encapsulating the floor we are accepting it as a substrate.*

31. **Question:** Carpet #2 will be discontinued on 7/31. Any order after 7/31 will require a minimum order amount of 500 SY. The base bid only calls for 140 SY. The added alternate will add about 130 SY for a total of 270 SY approximately. Please confirm the carpet selection or provide/allow for a non-discontinued product.

*Answer: The manufacturer JJ Flooring has confirmed that they will accept the smaller order for this project under the condition that the order is placed by mid-August. We will select a similar priced alternate in case the order fails to happen within the grace period offered by the manufacturer.*

32. **Question:** The specs states in Section 2.04 Misc Material to refer to the drawings for the type and location of the metal edging strips from Schluter systems. I could not located this detail or elevation that shows what products or locations. Please verify products and locations.

*Answer: See added notes and details on the revised drawings provided with this addendum.*

33. **Question:** Drawing A1.03 only shows the details for wall tile in restrooms 1002 and 1007. Please confirm that restrooms 2000 and 2007 will or will not be receiving wall tile.

*Answer: All (4) restrooms will receive tile at walls and floors.*

34. **Question:** Are the existing stair nosings to be replaced in the Lecture Halls as part of Alternates #1 & #2?

*Answer: Yes, the stair nosings are to be replaced as part of Alternate #2 – at Lecture Hall 113 where carpet covers the aisle steps and nosing strips are used with carpet. Lecture Hall 106 will not use carpet at the steps and the nosing strips will remain.*

35. **Question:** Sheet A1.01: there are some blank wall type callouts at the Women's Restroom. Please provide missing wall types.

*Answer: Revised drawings for the restrooms will be issued with this addendum. Walls are existing and will receive tile to 4'. New texture to be smooth texture above 4'.*

36. **Question:** Sheet A1.01 and A1.02: Note #2 calls for spray foam insulation at all perimeter walls. But the partition type called out at the perimeter walls is R6 which does not appear to call for spray foam. The only place where Wall Type M3 appears to be used is in the basement. Please clarify the wall types with regard to insulation.

*Answer: All perimeter walls will receive spray foam insulation that also acts as an a/v barrier. The assembly is best described on sheet G1.01. this assembly will be updated in the partition type.*

37. **Question:** Sheet A1.01 and A1.02: Please provide information for Wall Type MW1

*Answer: These are Moveable Walls by DIRT or similar.*

38. **Question:** Sheet A1.04: Elevations 07 and 08 are lacking information. Please provide missing information.

*Answer: This information is included on the revised drawings issued with this addendum.*

39. **Question:** Sheet A1.12 is lacking any notes. Please provide missing notes / info.

*Answer: This information is included on the revised drawings issued with this addendum.*

40. **Question:** Sheet A2.01: What does RSP-1 refer to?

*Answer: RSP refers to Roller Shade Pocket by Gordon or approved equal.*

41. **Question:** Sheet A2.01: Please identify ceiling mounted equipment which will require blocking.

*Answer: These are noted on the revised drawings provided with this addendum. Generally ceiling mounted projectors and security cameras (shown with the power plans).*

42. **Question:** Sheet A1.01 and A14.01: Please provide info / details for the railing in Lecture 106.

*Answer: This information is included on the revised drawings issued with this addendum.*

43. **Question:** Sheet A1.13: There is a reference to Sheet A5.02. Please provide the missing sheet.

*Answer: This sheet will be issued with the drawings included with this addendum. The actual sheet designation is A5.06.*

44. **Question:** Spec Section 12 24 13: Please provide locations for which windows get roller shades.

*Answer: All windows will receive roller shades but NAU will provide the shades. The Offeror will provide pockets and blocking as needed.*

45. **Question:** It appears that the GC is responsible for keying, Please confirm. Does NAU have a locksmith that takes care of all your keying? If so can you please provide a contact?

*Answer: NAU has its own lockshop and is responsible for all keying. The Offeror will provide the construction cores.*

46. **Question:** There are Roller Shades in the specs but they are not called out on the drawings. There wall section 02 on A5.01 calls out an aluminum shade pocket. Is this typical at all locations getting Roller Shades? Please identify which windows get shades.

*Answer: NAU will provide all of the window shades and all of the windows will receive shades.*

47. **Question:** It appears there is some wall covering shown on 02 Building section on A4.01 in the lecture hall. Is this an acoustical wall covering? Do we have a spec?

*Answer: These are noted on the revised drawings included with this Addendum. It is an acoustic wall pant (Tectum) mounted on sleepers.*

48. **Question:** Will sprinkler as-builts of the existing systems on the 3rd and 4th floors be made available?

*Answer: The as-builts for the existing systems on the 3<sup>rd</sup> and 4<sup>th</sup> floors of the building will not be made available at this time. However, we have provided additional clarification to the FSS scope being issued with this addendum.*

49. **Question:** Can owner confirm path of existing standpipes? There are notes on the first floor drawings for existing standpipes in Stairs 1 and 2, but if they go all the way up, then they are currently behind the drywall in those stairwells.

*Answer: This information is provided in the revised drawings included with this addendum and refers to the answer to Question 48. See sheet G2.04. The drawing shows the location of the standpipes at both stairwells.*

50. **Question:** In the hallways and anywhere else where the roof deck has been sprayed, there is a layer of steel mesh and foam that will need to be cored in order to hang sprinkler pipe. Please confirm if we are to provide our own coring

*Answer: The Offeror is to provide their own coring.*

51. **Question:** Will the owner be furnishing the filing system or will the General Contractor be furnishing and installing? Specification currently states filing system furnished by owner contractor to install. Please advise.

*Answer: The filing system will be procured and installed by the Offeror if the Add Alternate pricing is accepted. Please see revised drawings included in this addendum.*

52. **Question:** Will the existing modular office South of Bldg. 20 / North of Gillenwater Hall be available for GC use?

*Answer: Yes, these modular offices may be available for use by the successful Offeror.*

53. **Question:** Can NAU provide the completed FS13 form in advance of bid day so that we can verify existing conditions such as chilled water pipe wrap etc.?

*Answer: The FS#13, which is included with this addendum, shall be sign and dated on page 5 and submitted with the Offeror's bid. Offerors should note at all abatement of hazardous materials will be done by NAU prior to the successful Offeror commencing work in the area in question.*

54. **Question:** Spec section 00 21 14.4.2 "The Owner may require each Subcontractor whose subcontract amount will be \$100,000 or more to furnish payment and performance bonds". Is NAU going to require sub bonds on all contracts over \$100K on this project ?

*Answer: For this project, NAU will not require bonds from subcontractors where their contract is in excess of \$100,000. However, if it is the Offeror's policy to request bonds from their subcontractors in this scenario, an Offeror may include these costs in their Offer.*

55. **Question:** G1.01 - Can NAU confirm that no vapor barriers are required at the exterior wall fur outs or otherwise?



**Answer:** *The closed cell spray foam insulation is the AV barrier for the system. No other barrier will be required.*

56. **Question:** G1.01 / Opaque Assembly - Can NAU clarify the extent / scope of the INDOOR AIR FILM shown on the assembly?

**Answer:** *The indoor air film refers to the air in the room and its ability to be used as part of the R-Value of the assembly. Both the exterior air film and the indoor air film are shown. There is no work associated with the "air film", this is used to show the total R-Value for energy code compliance.*

57. **Question:** Can NAU confirm the new Ultima tile is to be TEGULAR

**Answer:** *The intent of the ACT types is clarified with the revised drawings included with this addendum. The ceiling at most areas will be Tegular to match. The ceilings at Lecture Hall 106 and Lecture Hall 113 will be straight to comply with the fire rating requirements for ACT.*

58. **Question:** Can NAU clarify the extent of work that will be required above grid for existing systems that is not called out on the drawings? Example - adding hangers / raceways to existing FA cable or AV that is to remain or adding additional access panels at existing / remaining valves etc.

**Answer:** *The drawings indicate demolition to all ceiling and associated components. The drawings also indicate that the contractor will need to provide access panels where access is required. All ceilings are expected to be new except for the lobby areas that were recently completed. All systems are expected to be new*

59. **Question:** Can NAU clarify if there is any insulation work above grid - existing, new or otherwise?

**Answer:** *Between partitions not extending to deck, the partition types describe insulation for acoustic purposes. At the lecture halls 113 and 106, the ceilings are acting as part of the required fire ratings.*

60. **Question:** Can NAU confirm the existing conditions at restroom floor tile - is tile set on thin set mortar or thick set mortar bed? This condition effects floor drains as well as demo and placement of new tile.

**Answer:** *The existing mosaic tile will need to be removed. It appears to be to set on a medium sized mortar bed, approximately 3/4" (judging by the angled metal transition strip at the threshold). The new tile can match the elevation/thickness of the existing tile. To maintain accessibility at the door we may need to raise the edge of the vinyl flooring outside using a leveler strip or a self-leveling underlayment used in subfloor preparation.*

61. **Question:** M0.01 / Note 14 - indicates ceiling tiles to be tagged with valve identification, what does this consist of exactly?

**Answer:** *Refer to NAU Design Guidelines and Technical Standards. The required tag is a colored sticker to indicate that there is a valve above.*

62. **Question:** Can NAU confirm that there are accessible isolation valves in or near the building for chilled water / steam / domestic? If yes are they in the utility tunnels / confined space?

*Answer: The isolation valves are accessible and are not located in the tunnels.*

63. **Question:** Page A13.01 indicates new CPT1 & 2 at Lecture Halls. Page G0.01 Add Alts 1 & 2 indicate new flooring at these rooms is not included in the base bid and is part of alternate work. Please clarify the scope of work between base bid and alternates.

*Answer: These are noted with the Addendum Set and in the alternate description. The Add Alt #1 & #2 scope includes the flooring upgrades, new acoustic wall paneling, accessible seating upgrades, and new fixed auditorium seating. BASE BID: Wall texture, paint, ceiling systems, lighting, power, IT/data, and HVAC systems.*

64. **Question:** In the NAU Standard Contract for Bid work under section 6.1.2, it states that “The Owner may require each proposed Subcontractor whose subcontract amount will be \$100,000 or more to furnish a performance bond on Owners’ form....” Since the cost of such bonds or default protection are included in the bid and contract price, please clarify if we should include this for all bids over \$100,000 even though the language states it only may be required?

*Answer: For this project, NAU will not require bonds from subcontractors where their contract is in excess of \$100,000. However, if it is the Offeror’s policy to request bonds from their subcontractors in this scenario, an Offeror may include these costs in their Offer.*

65. **Question:** Page 2 of 19 in the Notice of Bid states that Phase 2 construction start is September 1<sup>st</sup>. In the pre-submittal meeting this was identified as November start (week of Thanksgiving). Please clarify when construction of Phase 2 commences.

*Answer: The start of Phase 2 construction is Monday, November 30, 2020.*

66. **Question:** Can the work for card access on the third floor be clarified in writing?

*Answer: Please refer to sheet A1.04 and G2.02. The scope is described there.*

67. **Question:** Please clarify that NAU will procure all the systems furniture and FFE. GC will provide install only.

*Answer: Yes.*

68. **Question:** G0.01 states to provide unit pricing for **LIGHTING FIXTURES, PRICE PER EACH TYPE NOTED IN LUMINAIRE SCHEDULE** and **CEILING FANS, PRICE PER FAN**. These are not included in form of bid (FS#1). Where should these be provided in the submission?

*Answer: The FS#1 (Form of Bid) has been modified to include a table where the unit pricing can be provided. This revised FS#1 is included with this addendum.*

69. **Question:** What splice on connectors are to be used on the 6 strand SM Fibers from the BDF to the ZDBs? (SCAPC or LC)

*Answer: SCAPC connectors.*

70. **Question:** What splice on connectors are to be used on the Simplex SM Fibers from the ZDBs to the ONTs? (SCAPC or LC)

**Answer:** SCAPC connectors.

71. **Question:** Is there equipment needed in the BDF for Fiber terminations (e.g. 4U Fiber LIU)?

**Answer:** Please provide new LIU.

72. **Question:** Are there any equipment rack grounding/bonding requirements?

**Answer:** No, the equipment racks are existing with grounding.

73. **Question:** In reference to Copper Cabling (Cat6), Are the numbers on the plans accurate to the number of cables per drop, or should we be basing our cable counts off of the NAU Division 27 Technical Specifications? (e.g. TV Drop location on the plans call for 1 cable, NAU Tech Spec calls for 2 cables at every TV Drop location)

**Answer:** Please provide the quantities specified on the drawings.

74. **Question:** Please provide missing info for all the openings on door schedule.

**Answer:** The door schedule is a part of the hardware specification. These are noted on the revised drawings included with this addendum.

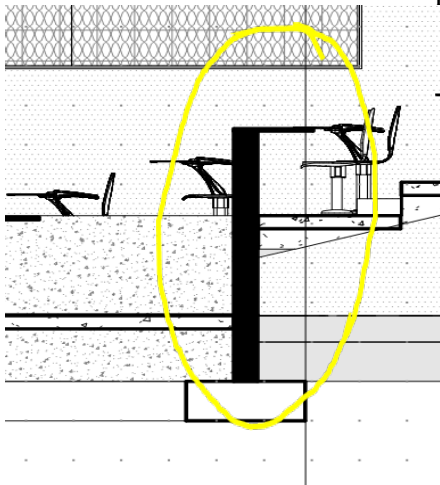
75. **Question:** Doors 0106, 108 & 212 noted in the Hardware spec are not listed on the door schedule. Please coordinate the plans and specs.

**Answer:** These are noted on the revised drawings included with this addendum.

76. **Question:** Doors 098, 099, 0106A, 0106B, 212A, 212B, and 300H are listed on the door schedule but not in the Hardware spec. Please coordinate the plans and specs.

**Answer:** These are noted on the revised drawings included with this addendum.

77. **Question:** Would you please clarify if there is a new structural footing and structural concrete wall at the bottom of the lecture hall rooms 106 and 113 where the concrete stairs are removed? It appears as though one is added at each of the two lecture halls as detailed on sheets A1.13 and A4.01, but there is no reference to structural plan sheets or details. Please see below:



**Answer:** These are noted on the revised drawings included with this addendum.

78. **Question:** Please confirm lab sinks are stainless steel per plumbing schedule page P4.01 and not Epoxy Resin per specification 123550/2.06.

*Answer: Please price based on the plumbing schedule specification.*

79. **Question:** For laboratory casework per specification 123550 and drawing A8.03, detail 03, 1) please provide shelf material and mounting hardware. Also please confirm 2) all laboratory faucets and fixtures are provided by plumbing contractor and 3) all coat racks are OFCI items.

*Answer: The shelf will be OFCI. The faucets will be provided by the Offeror (plumbing subcontractor). Coat racks will be OFCI.*

80. **Question:** For laboratory casework per specification 123550 and drawing A8.03, detail 01, please confirm that the drying rack SE-01 is OFOI.

*Answer: Yes, the drying rack is OFOI.*

81. **Question:** For laboratory casework per specification 123550 and drawing A14.02, please confirm that the student tables in rooms 220, 224, and 225 are OFOI items.

*Answer: Yes, the student tables in rooms 220, 224 and 225 are OFOI.*

82. **Question:** For laboratory casework per specification 123550 and drawing A8.03, detail 03, please confirm 1) cabinets under OFOI fume hoods is OFOI times; and 2) flammable storage cabinets are OFOI items.

*Answer: The Owner will furnish these items, but the contractor will install them. The hood is ductless (filtered) and should be wired to power only.*

83. **Question:** Division 1 section 01 22 00 refers to Unit Prices, but these are not listed on the Bid Form (FS#1). Are these unit prices relevant to this bid? If so, how should they be accounted for?

*Answer: The FS#1 (Form of Bid) has been modified to include a table where the unit pricing can be provided. This revised FS#1 is included with this addendum.*

84. **Question:** Please clarify what work is covered by the \$16,000 allowance to be included in Add Alternate #3.

*Answer: The Allowance is to cover the costs of the structural steel upgrades needed to support the added weight of this system. The storage system itself is not included in this figure.*

85. **Question:** Does Add Alternate #3 only include the structural upgrades to the floor and the installation of the owner-furnished Spacesaver system?

*Answer: The alternate will employ the allowance for the structural upgrades, deferred until the alternate is accepted. The Add Alt should also include the cost of the HD Storage system and its installation by the Offeror. The basis of design is Spacesaver but other manufacturers are encouraged to bid using similar systems that can conform to the dimensions of the space. The system is manually operated and on a raised floor (to recess the tracks) to be included with this alternate. The finishes will be*

*selected by the architect from the manufacturer's standard selection. The flooring (LVT-1) will be used on top of the raised system.*

86. **Question:** Do alternate manufacturers for the DIRT assemblies need to be approved prior to the bid date in order to be considered?

*Answer: It would be difficult to evaluate an alternate in the time allotted. The contractor should use the pricing provided by the local DIRT dealer as part of their Base Bid.*

## **PART 3 – ADDENDUM**

### **1. Project Manual**

Please take note of the following sections of the Project Manual that have been amended:

Revised Specifications:	00 01 00	TABLE OF CONTENTS
	07 21 00	THERMAL INSULATION
	09 30 00	TILING
	09 51 13	ACOUSTICAL PANEL CEILINGS
	09 65 16	RESILIENT SHEET FLOORING
	09 68 13	TILE CARPETING
Additional Specifications:	09 51 16	CUSTOM ACOUSTICAL CEILING SYSTEM
	09 84 00	ACOUSTICAL WALL PANELS
	10 56 26.13	MOBILE STORAGE SHELVING UNITS
	12 68 00	FIXED BEAM SEATING

### **2. Division 00 Section 00 01 15 List of Drawing Sheets**

DELETE:

Sheet	G0.01
Sheet	G2.02
Sheet	G2.03
Sheet	AD1.00
Sheet	AS1.00
Sheet	A1.03
Sheet	A1.04
Sheet	A1.06
Sheet	A1.13
Sheet	A4.01
Sheet	A5.01
Sheet	A11.01
Sheet	A13.01
Sheet	A13.02
Sheet	ED3.00
Sheet	E2.01
Sheet	E5.02

ADD:

Sheet	G0.01 - Revisions to the Sheet Index; Revisions to the Allowances.
Sheet	G2.02 - Provides additional images of existing conditions and scope of work.
Sheet	G2.03 - Provides clarification to scope items and schedule dates.
Sheet	AD1.00 - Revised to clarify the scope of owner's salvage operation.

Sheet AS1.00 - Revised to clarify the scope of the R.O.W accessibility improvements.

Sheet A1.03 – Revised as noted.

Sheet A1.04 – Revised as noted.

Sheet A1.06 – Revised as noted; Sheet number was changed from sheet A1.12.

Sheet A1.13 – Revised as noted.

Sheet A4.01 – Revised as noted.

Sheet A5.01 – Revised as noted.

Sheet A11.01 – Revised as noted.

Sheet A13.01 - Provides additional information about flooring and finishes throughout; Clarifies the scope of Additive Alternate #1 and #2

Sheet A13.02 - Provides additional information about flooring and finishes throughout; Clarifies the scope of Additive Alternate #4

Sheet ED3.00 - Clarifies the basement level lighting scope for Lecture Hall 113.

Sheet E2.01 - Clarifies the basement level lighting scope for Lecture Hall 113.

Sheet E5.02 - Revises the panel schedule to match the revisions to the lighting sheet.

### **3. Division 00 Section 00 01 15 List of Drawing Sheets**

ADD: The following drawings are new and shall be added to the existing list.

Sheet G2.04 - Scope clarifications to the FSS

Sheet A5.06 - Provides additional details.

Sheet A5.13 - Provides additional details.

Sheet A8.06 - Provides interior elevations for Lecture Hall 113; Clarifies the scope of add alt #1

Sheet A8.13 - Provides interior elevations for Lecture Hall 113; Clarifies the scope of add alt #2

Sheet A10.02 - Provides additional details.

Sheet A10.03 - Provides interior elevations for Lecture Hall 113; Clarifies the scope of add alt #1

Sheet A11.02 - Provides additional details.

Sheet A13.00 - Provides a schedule of finishes.

Sheet A14.06 - Provides the basis of design for the fixed seating scope at Lecture Hall 106 (add alt #1)

Sheet A14.13 - Provides the basis of design for the fixed seating scope at Lecture Hall 113 (add alt #2)

### **4. Division 00 00 11 16 Invitation to Bid**

DELETE: Bids will be received at Facility Services, Building #77, Main Reception Desk, Northern Arizona University, Flagstaff, Arizona, until Friday, July 17 at 2:00PM Arizona Local Time.

ADD: Bids will be received at Facility Services, Building #77, Main Reception Desk, Northern Arizona University, Flagstaff, Arizona, until Friday, July 24, 2020 at 11:00AM Arizona Local Time.

## 5. Division 00 00 21 14.6 Submittal of Bids

**DELETE:** Immediately following the bid submittal deadline, the bids will be publicly opened via a ZOOM meeting. Attendance in person by Offerors or the public is not allowed. The weblink to attend the ZOOM meeting is below.

Topic: 09.200.201 - Bid Opening  
Time: Jul 17, 2020 02:00 PM Arizona

Join Zoom Meeting  
<https://nau.zoom.us/j/98657103494>  
Meeting ID: 986 5710 3494

Dial by your location

\*Please only use Toll-Free Numbers if necessary. NAU has a limited number of Toll-Free minutes available.

+1 346 248 7799 US (Houston)  
+1 669 900 6833 US (San Jose)  
+1 253 215 8782 US (Tacoma)  
+1 312 626 6799 US (Chicago)  
+1 646 876 9923 US (New York)  
1 301 715 8592 US (Germantown)  
877 853 5247 US Toll-free  
888 788 0099 US Toll-free  
Meeting ID: 986 5710 3494

Find your local number: <https://nau.zoom.us/u/abuh7NPbTU>

**ADD:** Immediately following the bid submittal deadline, the bids will be publicly opened via a ZOOM meeting. Attendance in person by Offerors or the public is not allowed. The weblink to attend the ZOOM meeting is below.

Topic: 09.200.201 - Bid Opening  
Time: Jul 24, 2020 11:00 AM Arizona

Join Zoom Meeting  
<https://nau.zoom.us/j/98657103494>  
Meeting ID: 986 5710 3494

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877 853 5247 US Toll-free  
888 788 0099 US Toll-free  
Meeting ID: 986 5710 3494

Find your local number: <https://nau.zoom.us/u/abuh7NPbTU>

## 6. Division 00 00 25 13.1 Pre-Bid Site Inspection

**DELETE:** **OPTIONAL PRE-BID SITE VISITS:** Site visits are optional and will be held on July 7, 2020, starting at 10:00 AM Arizona Local Time. NAU PDC staff will accompany the Offerors. There will be an opportunity to ask and have questions answered during the site walk.

Pre-registration for the site visit is required. Offerors interested in attending the site visit shall to contact Kelly Davis (O: 928-523-2481, C: 928-386-9171, [kelly.davis@nau.edu](mailto:kelly.davis@nau.edu)) to pre-register on or before 12:00PM on Thursday, July 2, 2020. Offerors shall bring no more than 3 attendees and will need to notify NAU of the number of attendees at the time of registering for the site visit. NAU Covid-19 protocol applies (masks required, social distancing measures). Information on NAU's Covid-19 policies can be found at <https://nau.edu/coronavirus>.

No other formal inspection tours should be anticipated. Bidders should come prepared to gather all on-site information necessary for preparing proposal. A Bidder may arrange for supplemental site visits as necessary to prepare a responsive proposal. It is the responsibility of the Bidders to thoroughly familiarize themselves with all conditions and matters, which may in anyway affect the Work or cost thereof.

No allowance shall be made on behalf of any contractor or subcontractor for errors due to his/her negligence in not being familiar with existing site and/or project conditions.

**ADD:** **OPTIONAL PRE-BID SITE VISITS:** Site visits are optional and will be held on July 7, 2020, starting at 10:00 AM Arizona Local Time. NAU PDC staff will accompany the Offerors. There will be an opportunity to ask and have questions answered during the site walk.

Pre-registration for the site visit is required. Offerors interested in attending the site visit shall to contact Kelly Davis (O: 928-523-2481, C: 928-386-9171, [kelly.davis@nau.edu](mailto:kelly.davis@nau.edu)) to pre-register on or before 12:00PM on Thursday, July 2, 2020. Offerors shall bring no more than 3 attendees and will need to notify NAU of the number of attendees at the time of registering for the site visit. NAU Covid-19 protocol applies (masks required, social distancing measures). Information on NAU's Covid-19 policies can be found at <https://nau.edu/coronavirus>.

An additional optional site visit will be held on Friday, July 17, 2020, at 10:00 AM Arizona Local Time. There will be another opportunity to ask and have questions answered during the site walk. If you would like to attend, please email Judith Scholar Winfield ([Judith.scholarwinfield@nau.edu](mailto:Judith.scholarwinfield@nau.edu)) to pre-register on or before 5:00PM Arizona Local Time on Wednesday, July 15, 2020. Offerors shall bring no more than 3 attendees and will need to notify NAU of the number of attendees at the time of registering for the site visit. NAU Covid-19 protocol applies (masks, social distancing measures). See link in above paragraph to access NAU's COVID-19 policies.

No other formal inspection tours should be anticipated. Bidders should come prepared to gather all on-site information necessary for preparing proposal. A



Bidder may arrange for supplemental site visits as necessary to prepare a responsive proposal. It is the responsibility of the Bidders to thoroughly familiarize themselves with all conditions and matters, which may in anyway affect the Work or cost thereof.

No allowance shall be made on behalf of any contractor or subcontractor for errors due to his/her negligence in not being familiar with existing site and/or project conditions.

**7. Division 00 00 31 13.13 Preliminary Project Schedule**

DELETE:	First Advertisement:	<u>June 25, 2020</u>
	Pre-Bid Conference:	<u>June 30, 2020 at 2:00 PM Arizona Local Time via ZOOM</u>
	Bid Date:	<u>July 17, 2020 by 2:00 PM Arizona Local Time</u>
	Construction Start:	<u>September 1, 2020</u>
	Phase 1 Substantial Completion:	<u>March 1, 2021</u>
	Phase 1 Final Completion:	<u>June 1, 2021</u>
	Phase 2 Substantial Completion:	<u>January 10, 2021</u>
	Phase 2 Final Completion:	<u>April 10, 2021</u>
ADD:	First Advertisement:	<u>June 25, 2020</u>
	Pre-Bid Conference:	<u>June 30, 2020 at 2:00 PM Arizona Local Time via ZOOM</u>
	Bid Date:	<u>July 24, 2020 by 11:00AM Arizona Local Time</u>
	Construction Start:	<u>September 1, 2020</u>
	Phase 1 Substantial Completion:	<u>March 1, 2021</u>
	Phase 1 Final Completion:	<u>June 1, 2021</u>
	Phase 2 Substantial Completion:	<u>January 10, 2021</u>
	Phase 2 Final Completion:	<u>April 10, 2021</u>

**8. Division 00 00 31 26 Existing Hazardous Material Information**

DELETE:	Delete the sample FS#13 included as page 23.
ADD:	Add the FS#13 included with this Addendum #2. The FS#13 shall be signed and dated on page 5 of the form.

**9. Division 00 00 41 13 Form of Bid (FS#1)**

DELETE:	Delete FS#1
ADD:	Offerors shall complete the revised FS#1 included with this Addendum #2.

**10. FS94 BID DUE DATE**

DELETE:	Immediately following the bid submittal deadline, the bids will be publicly opened via a ZOOM meeting. Attendance in person by Offerors or the public is not allowed. The weblink to attend the ZOOM meeting is below.
---------	--

Topic: 09.200.201 - Bid Opening

Time: Jul 17, 2020 02:00 PM Arizona

Join Zoom Meeting

<https://nau.zoom.us/j/98657103494>

Meeting ID: 986 5710 3494

Dial by your location

\*Please only use Toll-Free Numbers if necessary. NAU has a limited number of Toll-Free minutes available.

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+1 888 788 0099 US Toll-free

Meeting ID: 986 5710 3494

Find your local number: <https://nau.zoom.us/u/abuh7NPbTU>

ADD: Immediately following the bid submittal deadline, the bids will be publicly opened via a ZOOM meeting. Attendance in person by Offerors or the public is not allowed. The weblink to attend the ZOOM meeting is below.

Topic: 09.200.201 - Bid Opening

Time: Jul 24, 2020 11:00 AM Arizona

Join Zoom Meeting

<https://nau.zoom.us/j/98657103494>

Meeting ID: 986 5710 3494

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\*Please only use Toll-Free Numbers if necessary. NAU has a limited number of Toll-Free minutes available.

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+1 877 853 5247 US Toll-Free

+1 888 788 0099 US Toll-free

Meeting ID: 986 5710 3494

Find your local number: <https://nau.zoom.us/u/abuh7NPbTU>

## 11. FS94 PROJECT SCHEDULE

DELETE: **PHASE 2**

### SCHEDULE

Construction Start: September 1, 2020

Substantial Completion: January 10, 2021

Final Completion: April 10, 2021

LIQUIDATED DAMAGES:

Substantial Completion: \$500.00/day

Final Completion: \$50.00/day

ADD: **PHASE 2**

SCHEDULE

Construction Start: November 30, 2020

Substantial Completion: January 10, 2021

Final Completion: April 10, 2021

LIQUIDATED DAMAGES:

Substantial Completion: \$500.00/day

Final Completion: \$50.00/day

**12. FS94 ATTACHMENT A**

DELETE: Form of Bid (FS#1)

ADD: Form of Bid (FS#1) included with this Addendum #2.

**13. FS94 ATTACHMENT A**

DELETE: FS-13 Placeholder

ADD: FS#13 included with this Addendum #2. The FS#13 shall be signed and dated on page 5 of the form.

**14. Link to Revised and Additional Drawings**

<https://documentcloud.adobe.com/link/review?uri=urn:aaid:scds:US:8232eadb-6895-4635-80c7-f54e4a4d3bc0>

**15. Link to Revised Specifications**

<https://documentcloud.adobe.com/link/review?uri=urn:aaid:scds:US:af7ee101-45a8-442a-bc88-e755ed7d92e7>

**END ADDENDUM #2**

**FORM OF BID (FS#1)**

**Science Annex 1<sup>st</sup> and 2<sup>nd</sup> Floor Renovation**

**NAU PROJECT NO. 09.200.201**

The undersigned hereby proposed, and agrees to furnish all labor, material, transportation, supervision and services necessary to complete all work as called for in the plans and specifications, and that the lump sum bid includes all applicable costs of bonds, insurance, permits, and fees, and sales tax, or any applicable taxes. **The Owner's selection will be made on a Bid (pre-tax) price per ABOR policy 3-803 A 7. The contract will be issued for the lump sum amount, inclusive of the tax.**

We acknowledge the following addenda and have included their provisions in this proposal.

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

**BASE BID:** The undersigned proposes to complete all work as required per the Specifications, for a Lump Sum of:

Bid (pre-tax): \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_).

Taxes: \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_).

Cumulative Bid: \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_).

**Additive Alternatives:**

**Alternate #1:** (Lecture Hall 106) The undersigned proposes to complete all work as required per the Specifications, for a Lump Sum of:

Bid (pre-tax): \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_).

Taxes: \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_).

Cumulative Bid: \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_).

**Alternate #2:** (Lecture Hall 113) The undersigned proposes to complete all work as required per the Specifications, for a Lump Sum of:

Bid (pre-tax): \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

Taxes: \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

Cumulative Bid: \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

**Alternate #3:** (High-Density Storage Room 221) The undersigned proposes to complete all work as required per the Specifications, for a Lump Sum of:

Bid (pre-tax): \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

Taxes: \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

Cumulative Bid: \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

**Alternate #4:** (Resilient Flooring at Wet Lab 220) The undersigned proposes to complete all work as required per the Specifications, for a Lump Sum of:

Bid (pre-tax): \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

Taxes: \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

Cumulative Bid: \_\_\_\_\_ Dollars

(\$\_\_\_\_\_).

**All Additive Alternates are additive to the Base Bid. For each Additive Alternate, Bidders are instructed to provide only the incremental difference in cost of adding that particular work to the project scope of work. Do not provide cumulative costs that include values already included in the Base Bid as NAU will be evaluating bids and considering bid award based on the sum of the Base Bid and any combination of Additive Alternates.**

UNIT PRICING SCHEDULE – LUMINAIRE AND CEILING FAN			
TYPE	DESCRIPTION	MANUFACTURER: CATALOGUE NUMBER	UNIT PRICE (\$)
A1	2-FT x 2-FT LED INBOX, FOUR-SIDED OPTICS	FLUXWERX NB1 22 C 40 F2 M	
A1E	2-FT x 2-FT LED INBOX, FOUR-SIDED OPTICS FLUXWERX 120 LED 38W RECESSED 42 WITH 90-MINUTE BATTERY FOR EMERGENCY BACK-UP	FLUXWERX NB1 22 C 40 F2 M B	
B1	2-FT x 4-FT LED INBOX, FOUR-SIDED OPTICS	FLUXWERX NB2 24 C 40 F2 M	
B1E	2-FT x 4-FT LED INBOX, FOUR-SIDED OPTICS FLUXWERX 120 LED 38W RECESSED 42 WITH 90-MINUTE BATTERY FOR EMERGENCY BACK-UP	FLUXWERX NB2 24 C 40 F2 M B	
C1	1-FT x 4-FT LED INBOX, FOUR-SIDED OPTICS	FLUXWERX NB2 14 C 40 F2 M	
C1E	1-FT x 4-FT LED INBOX, FOUR-SIDED OPTICS WITH 90-MINUTE BATTERY FOR EMERGENCY BACK-UP	FLUXWERX NB2 14 C 40 F2 M B	
D1	2-FT x 2-FT LED FLAT PANEL	LITHONIA LIGHTING EPANL 2x2 4000LM 80CRI 40K MIN10 ZT MVOLT	
D1E	2-FT x 2-FT LED FLAT PANEL WITH 90- MINUTE BATTERY FOR EMERGENCY BACK- UP	LITHONIA LIGHTING EPANL 2x2 4000LM 80CRI 40K MIN10 ZT MVOLT E10WCP	
D2	2-FT x 2-FT LED FLAT PANEL	LITHONIA LIGHTING EPANL 2x2 4000LM 80CRI 40K MIN10 ZT MVOLT DGA22	
D2E	2-FT x 2-FT LED FLAT PANEL WITH 90- MINUTE BATTERY FOR EMERGENCY BACK- UP	LITHONIA LIGHTING EPANL 2x2 4000LM 80CRI 40K MIN10 ZT MVOLT E10WCP DGA22	
F1	4-FT LED STRIP LIGHT	LITHONIA LIGHTING ZL1D L48 3000LM FST MVOLT 40K 80CRI WH	
F1E	4-FT LED STRIP LIGHT WITH 90-MINUTE BATTERY FOR EMERGENCY BACK-UP	LITHONIA LIGHTING ZL1D L48 3000LM FST MVOLT 40K 80CRI E15WLCP WH	
G1	4-INCH LED SQUARE DOWNLIGHT	LITHONIA LIGHTING LDN4SQ 40/ 30 LS4 AR LSS MVOLT GZ10 40K	
G1E	4-INCH LED SQUARE DOWNLIGHT WITH 90- MINUTE BATTERY FOR EMERGENCY BACK- UP	LITHONIA LIGHTING LDN4SQ 40/ 30 LS4 AR LSS MVOLT GZ10 EL	
H1	8-FT LED LINEAR WITH THREE-SIDED OPTICS	FLUXWERX PF1 S B C 40 A 08 S E1 M 06	
H1E	8-FT LED LINEAR WITH THREE-SIDED OPTICS WITH 90-MINUTE BATTERY FOR EMERGENCY BACK-UP	FLUXWERX PF1 S B C 40 A 08 S E1 M 06 B	
	PROPELLOR FAN – 5 BLADE, 8 FT DIAMETER, 184 RPM, ¼ HP MOTOR, 115 VOLT, 1-PHASE WITH VFD MOTOR. WITH HVLS TOUCHSCREEN CONTROL PANEL WITH BACNET INTERFACE.	EQUAL TO THE GREENHECK DC- 5-8	

Enclosed herewith is a cashier's check or Bid Bond (NAU form FS#9) made payable to the Owner in the amount of \$ \_\_\_\_\_, which is not less than 10% of the amount of the total bid proposal, as a guarantee that the undersigned will furnish required Performance Bond and Labor and Material Bond, and enter into contract, on basis of above proposal.

Undersigned further agrees that said check (or Bid Bond) shall be forfeited as Liquidated Damages (no penalty) if undersigned fails to enter into contract after requested to do so by Owner.

Bids shown above are valid for a period of 60 days after the date of opening bids, and may be withdrawn following that date if no contract has been awarded.

The undersigned understands that the Owner reserves the right to reject any or all bids, or to waive any informality in receipt of the above Proposal. **Owner reserves the right to award by Base Bid alone, by the sum of Base Bid and any combination of Additive Alternate Amounts, or as the sum of the Base Bid and all the Additive Alternate Amounts, whichever is deemed most advantageous to Owner.**

It is hereby understood and mutually agreed by and between the Contractor and the Owner that the date of beginning, rate of progress, and time of completion of the Work as set forth in the contract documents are of the essence of the contract. The amount of **\$50.00 per calendar day for Phase 1** and **\$500.00 per calendar day for Phase 2** will be assessed against the contract for work not completed at the Substantial Completion date. Said amounts shall accrue until such time that the Work covered under this contract is complete, not as a penalty, but as Liquidated Damages.

In addition, it is mutually agreed by and between the Contractor and the Owner, the amount of **\$50.00 per calendar day for each phase** will be assessed against the contract for work not completed at the Final Completion date. Said amounts shall accrue until such time that the Work covered under this contract is complete, not as a penalty, but as Liquidated Damages.

The Proposer hereby certifies that he/she is the holder of a valid Contractor's License in accordance with Arizona State Law and that such license classification allows the Contractor to perform the type of construction identified by these Bid Documents. **The proposer also certifies that he/she holds all of the required certifications and licenses outlined in the bidding documents and shall provide proof of all certifications, licenses and warranties within 5 days of Owner notification to the apparent low bidder with the Intent to Award.**

If corporation,

\_\_\_\_\_

Company/Corporation

Seal

\_\_\_\_\_

Signature

Date

\_\_\_\_\_

\_\_\_\_\_

Signature

Arizona License Class and Number

# Worksite Hazard Inspection/Hazard Communication (FS-13)

## Results

### Request Info

#### Requestor Information

Requestor First Name Kelly	Requestor Last Name Davis	Requestor Email KELLY.DAVIS@NAU.EDU	Requestor Phone 9285232481
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#### Project Information

Request Type Contractor	Project # 09.200.201	Project Name SCIENCE ANNEX 1ST AND 2ND FLOOR RENOVATION
Start Date 7/31/2020	Date of Request 6/25/2020	

#### Building Information

Building # 020	Building Name SCIENCE ANNEX	Room/Area 1st and 2nd floors
-------------------	--------------------------------	---------------------------------

#### Disturbed Areas

☒ \_X\_ Ceiling  
 ☒ \_X\_ Wall  
 ☒ \_X\_ Floor  
 ☒ \_X\_ Mechanical System  
 ☐ \_\_\_ Exterior  
 ☐ \_\_\_ Roof  
 ☐ \_\_\_ Other  
 N/A

#### NAU Authorized EH&S Representative

First Name Scott	Last Name Halle	Email Address Scott.Halle@nau.edu
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INITIAL INSPECTION IS AT NO COST TO THE REQUESTOR. SAMPLE ANALYSIS AND PROJECT/ABATEMENT MANAGEMENT FEES MAY BE CHARGED, AT THE STANDARD RATE TO THE CLIENT DEPARTMENT OR PROJECT

**This inspection does not waive the supervisor/contractor responsibility to provide adequate worker training/ppe**

The Requestor is responsible for submitting an inspection request with adequate time prior to commencing work to arrange and complete any necessary hazard abatement activities BEFORE other work begins. Inspection request form is located on the Engineering/Inspections website. Supervisors shall make this form or the information contained within it available for review by all employees present at the work site.



## Affected Facility/Area Information

Location/Room Number included in scope of work:

1st and 2nd floors

Describe in detail the nature of the work required:

Major renovation of 2nd floor and selective renovation of 1st floor. Demolition drawings are available for thorough understanding

Describe any demolition of load bearing components:

no demolition of load bearing components

## Post Inspection Complete

Certified Inspector

Date

Scott S Halle

07/06/2020 01:53:25 PM

## Hazardous Building Materials

### Ceiling Materials

Material Summary	Asbestos	Lead	PCB	Silica	Special Work Controls
2'x2'/2'x4' acoustic panels	No	N/A	N/A	Assumed	See Comments
Lath and plaster (tan)	No	No	N/A	Assumed	See Comments
drywall components	No	No	N/A	Assumed	See Comments
Gray fire block material	Yes	N/A	N/A	Assumed	Yes
Red fire block material	No	N/A	N/A	Assumed	See Comments
fiberglass insulation	No	N/A	N/A	Assumed	See Comments

### Wall Materials

Material Summary	Asbestos	Lead	PCB	Silica	Special Work Controls
Lath and Plaster	No	No	N/A	Assumed	See Comments
Drywall Materials	No	No	N/A	Assumed	See Comments

### Flooring Materials

Material Summary	Asbestos	Lead	PCB	Silica	Special Work Controls
12" vinyl tile/mastic	Yes	No	No	Assumed	See Comments
9" vinyl tile/mastic	Yes	No	No	Assumed	See Comments
Painted/unpainted concrete	No	No	N/A	Assumed	See Comments
carpet/adhesive (may overly tile)	No	N/A	N/A	N/A	See Comments

### Thermal System Insulation (TSI) Materials

Material Summary	Asbestos	Lead	PCB	Silica	Special Work Controls
fiberglass pipe run insulation	No	N/A	N/A	Assumed	See Comments
Plaster pipe elbow/fitting insulation	Yes	N/A	N/A	Assumed	Yes

### Other Materials

Material Summary	Asbestos	Lead	PCB	Silica	Special Work Controls
Glass drains	N/A	N/A	N/A	N/A	See Comments
Structural steel (red primed I beams)	N/A	Assumed	N/A	N/A	Yes
Duct Seam Tape (gray paper)	Yes	N/A	N/A	N/A	Yes
Insulated fire doors	Assumed	N/A	N/A	Assumed	Yes
lead counter top sinks	N/A	Yes	N/A	N/A	Yes
transite lined fume hoods	Yes	No	N/A	N/A	Yes

### Comments / Special Requirements

Select materials contain asbestos, lead, or silica and special work practices may be required. Please review the general hazard communication section for specific guidance or details.

If any materials not listed above are scheduled for disturbance or are discovered to be in a disturbed state, contact the Material Safety Official at 928-523-6435 for guidance or a supplemental inspection before proceeding with any additional work.

## Hazard Communication

### Hazard Communication

#### Hazard Type

☒ Silica/Asbestos/Lead/PCB    ☐ Radiation    ☐ Biological    ☐ Chemical    ☒ Other

#### Additional Hazard Inspection(s)

☐ Chemical    ☐ Biological    ☐ Work Site    ☐ Environmental    ☐ Industrial Hygiene

The purpose of this form is to notify Contractors and Subcontractors and their employees working at Northern Arizona University of known or anticipated workplace hazards. NAU maintains comprehensive material/safety inspections and safety programs for campus buildings. Test results and safety programs are available for review in the NAU offices of Material Safety or Environmental Health and Safety. The following known and assumed hazards have been identified to be present in the work area located in Building(s):

### Building Information

Building #	Building Name	Room/Area
020	SCIENCE ANNEX	1st and 2nd floors

### Known / Assumed Hazards

N/A

NAU is responsible for informing you of the presence of hazards in your project work area on the NAU campus. If you encounter any previously unidentified hazards, stop all work immediately and contact the NAU Project Manager or NAU Safety Official (928-523-6435). By law, Employers must provide adequate training and protection for employees who will be exposed to hazards including those in this notification. The responsible party signing below agrees that it is the responsibility of the Contractor or Subcontractor to be knowledgeable of and comply with all applicable local, state, and federal safety regulations, and with university policies related to the hazards detailed in this form.

Your signature below acknowledges that you have received notice from NAU that hazardous materials or conditions are or may be present in your work area(s), NAU is responsible for informing you of the presence of hazards in your project work area on the NAU campus. If you encounter any previously unidentified hazards, stop all work immediately and contact the NAU Project Manager or NAU Safety Official (928-523-6435). Vendors must acknowledge that you agree to fully assume the responsibility for ensuring the safety of yourself and your employees, which includes ensuring that you comply with all applicable local, state, and federal laws, and with university policies governing hazardous materials or conditions.

### Company Acknowledgement

Name of Responsible Party:          Signature _____	Title:          Date:
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## Chemical Hazards (N/A)

### Chemical Hazard Type

Will the project create waste containing any of the following (lead paint, fluorescent bulbs, etc)?  
(Check the box if applicable)

☐ Arsenic                      ☐ Lead  
☐ Barium                      ☐ Mercury  
☐ Cadmium                      ☐ Silver  
☐ Chromium                      ☐ Selenium  
☐ Other: N/A

Will the project create any hazardous waste? (paint solvents, methylene chloride based stripper, petroleum distillates, etc.)

Does the project include any waste materials that require TCLP?

Does the project scope include areas where laboratory work was done?

### Hazard Areas

☐ Bottled Chemical/Hazardous Waste                      ☐ Fumehood  
☐ Specialized Glassware                      ☐ Cabinet for Chemical Storage  
☐ Other (please describe): N/A

### Decontamination

Decontamination required prior to disturbance:

Area or equipment to be decontaminated:

**Occupant should attach an Equipment Release Form to decontaminated equipment.**

**<https://nau.edu/wp-content/uploads/sites/74/2018/06/Equipment-Release-Form.pdf>**

### Additional Personal Protective Equipment Requirements

☐ Eye Protection                      ☐ Gloves                      ☐ Lab Coat                      ☐ Respirator  
☐ Other (please describe): N/A

### Comments/Special Work Practices

### Authorized EH&S Representative

Representative Name

Email Address

INITIAL INSPECTION IS AT NO COST TO THE REQUESTOR. SAMPLE ANALYSIS AND PROJECT/ABATEMENT MANAGEMENT FEES MAY BE CHARGED, AT THE STANDARD RATE TO THE CLIENT DEPARTMENT OR PROJECT

**This inspection does not waive the supervisor/contractor responsibility to provide adequate worker training/ppe**

The Requestor is responsible for submitting an inspection request with adequate time prior to commencing work to arrange and complete any necessary hazard abatement activities BEFORE other work begins. Inspection request form is located on the Engineering/Inspections website. Supervisors shall make this form or the information contained within it available for review by all employees present at the work site.

## Biological Hazards (N/A)

### Biological Hazard Type

- ☐ Human or Animal Pathogens (e.g. salmonella, adenovirus)  
☐ Bloodborne Pathogens/Human Derived Material (e.g. blood, tissue, cell culture)  
☐ Clinical Space (may contain human derived materials, sharps, etc.)  
☐ Select Agents (must be escorted at all times)  
☐ Animals  
☐ Other (please describe): N/A

### Hazard Areas

- ☐ Countertops/Cabinets    ☐ Biological Safety Cabinet    ☐ Fumehood    ☐ Microbiology Equipment  
☐ Other (please describe): N/A

### Decontamination

Decontamination required prior to disturbance:  
 Area or equipment to be decontaminated: N/A

Occupant should attach an Equipment Release Form to decontaminated equipment.  
<https://nau.edu/wp-content/uploads/sites/74/2018/06/Equipment-Release-Form.pdf>

### Additional Personal Protective Equipment Requirements

- ☐ Eye Protection                      ☐ Gloves                      ☐ Lab Coat  
☐ Other (please describe): N/A

### Comments/Special Work Practices

### Authorized EH&S Representative

Representative Name	Email Address
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## Work Site Hazards (N/A)

### Work Site Hazard Area/Types

☐ Leading Edge/Roof      ☐ Confined Space

☐ Trench      ☐ Ladders

☐ Crush/Pinch Point      ☐ Electricity

☐ Hazardous Energy/Pressure Vessels

☐ Dust or Inhalation

☐ Other (please describe): N/A

### Hazard Areas

☐ Safety Plan Recommended

☐ Safety Plan Required

☐ Safety Plan Not Required

Recommended Safety Plan Elements

N/A

\*Please submit completed Site Safety Plan to the NAU Safety and Training Office

### Comments/Special Precautions

### Authorized EH&S Representative

Representative Name

Email Address

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## Environmental (N/A)

### Environmental Affected Source/Equipment/Area

☐ Boiler
                     ☐ Smoke Source
                     ☐ Wastewater (Sewage)

☐ Emergency Generator
                     ☐ Kiln
                     ☐ Acid Neutralization Tank

☐ Stormwater
                     ☐ Outdoor Odors

☐ Other

### Other (Please Describe)

N/A

### Conclusions/Recommendations

### Authorized EH&S Representative

Representative Name

Email Address

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## Industrial Hygiene (N/A)

### Industrial Hygiene Hazard Type

<input type="checkbox"/> Respirator	<input type="checkbox"/> Ergonomics	<input type="checkbox"/> Electromagnetic Fields	<input type="checkbox"/> Xray
<input type="checkbox"/> Noise	<input type="checkbox"/> Lighting	<input type="checkbox"/> Confined Space	<input type="checkbox"/> Laser
<input type="checkbox"/> Indoor Air Quality	<input type="checkbox"/> PPE	<input type="checkbox"/> Radiation	<input type="checkbox"/> Ventilation
<input type="checkbox"/> Laboratory Chemical Air Assessments	<input type="checkbox"/> Other		

### Other (Please Describe)

N/A

### Conclusions/Recommendations

### Authorized EH&S Representative

Representative Name

Email Address

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