Daniel Building Renovation for:
Midwestern State University
Wichita Falls, Texas

BYS Project No. 18071

September 24, 2020

ADDENDUM NO. 2

TO: All Contract Bidders of Record

The following changes are hereby made a part of the Plans and Specifications the same as if written therein.

Acknowledge receipt of this addendum by inserting its number and date in the Contractor's Bid Proposal. Failure to do so may subject bidder to disqualification. This addendum forms a part of the Contract Documents and modifies them as follows:

NOTIFICATIONS:

Item No. 1:
See attached Questions from Contractors/Vendors document for all submitted questions and responses from the owner and design teams.

Item No. 2:
A General Contractor’s (GC) List has been uploaded to the MSUTX Purchasing website. This list contains those GC’s who attended the Pre-bid meeting. Any GC’s wishing to be added to the list shall email Steve Wood, Project Architect request addition to the list.
Contact Info: swood@bysp.com

Item No. 3:
A link to the existing Daniel building drawings has been uploaded to the MSUTX Purchasing website. This PDF includes original construction documents for use as reference only. Note, these are not documented As-Built drawings.

Item No. 4:
An Asbestos Survey from 2000 shows the area of ACM is limited to the second floor Mechanical Room A243. ACM is located on the pipe insulation that is to remain. All insulation in properly labeled with black stamps saying ACM. MSUTX will contract this potential abatement work outside of this contract.
SPECIFICATIONS:

Item No. 3:
Section 084113 Aluminum Framed Entrances and Storefronts:
Change specified finish to Dark Bronze Anodized

Item No. 4:
Section 084413 Glazed Aluminum Curtain Wall:
Change specified finish to Dark Bronze Anodized

Item No. 5:
Section 09952 Vinyl Wall Fabric:
Add Vinyl Wall Fabric Section attached to this Addendum to the project specifications

Item No. 6:
Section 100000 Miscellaneous Specialties:
Add section 2.3 Aluminum Canopies for all exterior pre-finished aluminum canopies shown in the drawings.
Add section 2.4 Glass Partitions for glass partitions at Coffee Bar counter
Addendum to the project specifications

Item No. 7:
Section 122413 Manual Roller Shades:
Add Manual Roller Shade Section attached to this Addendum to the project specifications

CIVIL DRAWINGS:

Item No. 8:
Sheet C102 Demolition Plan:
Replace drawing C102 issued 08/24/2020 with the attached drawing C102 REV 1.

Item No. 9:
Sheet C103 Site Layout & Grading:
Replace drawing C103 issued 08/24/2020 with the attached drawing C103 REV 1.

Item No. 10:
Sheet C105 Dimension Control Plan:
Replace drawing C105 issued 08/24/2020 with the attached drawing C105 REV 1.

STRUCTURAL DRAWINGS:

Item No. 11:
Sheet S301 2nd Floor Framing Plan:
Replace drawing S301 issued 08/24/2020 with the attached drawing S301 REV 2.

Item No. 12:
Sheet S405 Stair B Sections & Details:
Replace drawing S405 issued 08/24/2020 with the attached drawing S405 REV 2.
Item No. 13:
Sheet S501 Typical Sections & Details:
Replace drawing S501 issued 08/24/2020 with the attached drawing S501 REV 2.

ARCHITECTURAL DRAWINGS:

Item No. 14:
Sheet SP101: Overall Site Plan
Replace drawing SP101 issued 08/24/2020 with the attached drawing SP101 REV 2.
Changes include the following:
- Additional step(s) at front entry area per changes in grading on civil drawings.
- Concrete ramp at East entry per revised civil

Item No. 15:
Sheet SP102: Enlarged Site Plan
Replace drawing SP102 issued 08/24/2020 with the attached drawing SP102 REV 2.
Changes include the following:
- Additional step(s) at front entry area per changes in grading on civil drawings.
- Storm drains on west side at downspouts and to be included in Base Bid

Item No. 16:
Sheet SP201: Enlarged Site Plan
Replace drawing SP201 issued 08/24/2020 with the attached drawing SP201 REV 2.
Changes include the following:
- Added Detail 16 - Concrete Bollard
- Added Detail 10 - Two Step Handrail
- Added Detail 17 - Wood Fence

Item No. 17:
Sheet A102 First Floor Plan – Notes:
Replace drawing A102 REV 1 issued 09/15/2020 with addendum #1 with the attached drawing A102 REV 2.

Item No. 18:
Sheet A103 Second Floor Plan – Notes:
Replace drawing A103 issued 08/24/2020 with the attached drawing A103 REV 2.

Item No. 19:
Sheet A106 Reflected Ceiling Plan 1st Floor:
Replace drawing A106 issued 08/24/2020 with the attached drawing A106REV 2.

Item No. 20:
Sheet A108 Roof Plan:
Replace drawing A108 issued 08/24/2020 with the attached drawing A108 REV 2.

Item No. 21:
Sheet A201 Door Schedule:
Replace drawing A201 issued 08/24/2020 with the attached drawing A201 REV 2.
Item No. 22:
Sheet A503 Interior Details:
Replace drawing A503 REV 1 issued 09/15/2020 with addendum 1 with the attached drawing A503 REV 2.

Item No. 23:
Sheet A504 Roof Details:
At detail 2 & 11 note for built-up cricket shall have tapered polyisocyanurate insulation in lieu of perlite

Item No. 24:
Sheet A601 Interior Elevations:
Replace drawing A601 issued 08/24/2020 with the attached drawing A601 REV 2.

Item No. 25:
Sheet A602 Interior Elevations:
Replace drawing A602 issued 08/24/2020 with the attached drawing A602 REV 2.

Item No. 26:
Sheet A603 Interior Elevations:
Replace drawing A603 issued 08/24/2020 with the attached drawing A603 REV 2.

Item No. 27:
Sheet A701 Millwork Sections:
Replace drawing A701 issued 08/24/2020 with the attached drawing A701 REV 2.

Item No. 28:
Sheet A801 Stair Sections:
Insert sheet A801 REV2 attached to this addendum to the drawing set.

Item No. 29:
Sheet A802 Stair Sections:
Insert sheet A802 REV2 attached to this addendum to the drawing set.

Item No. 30:
Sheet A803 Elevator & Stair Sections:
Insert sheet A803 REV2 attached to this addendum to the drawing set.

MEPT DRAWINGS:

Item No. 31:
Sheet M102: Enlarged Second Floor Mechanical Room Demolition Plan:
Replace drawing M102 issued 08/24/2020 with the attached drawing M102.

Item No. 32:
Sheet M203 Mechanical Roof Plan:
Replace drawing M203 issued 08/24/2020 with the attached drawing M203.
Item No. 33:
Sheet M204 First Floor Mechanical Plan Add. Alt. #2:
Replace drawing M204 issued 08/24/2020 with the attached drawing M204.

Item No. 34:
Sheet P002: Plumbing Schedules
Replace drawing P002 issued 09/24/2020 with attached drawing P002.
2. Plumbing Fixture Schedule: Added Double Clean Out (DCO) and Floor Sink (FS1) to Contract Documents.

Item No. 35:
Sheet P100: First Floor Under Floor Demolition Plumbing Plan
Replace drawing P100 issued 09/24/2020 with attached drawing P100.
1. Added Saw Cutting for new under floor sanitary sewer from new Floor Sink (FS1).

Item No. 36:
Sheet P200: First Floor Under Floor Plumbing Plan
Replace drawing P200 issued 09/24/2020 with attached drawing P200.
1. Added new under floor sanitary sewer from new Floor Sink (FS1).
2. Notes By Symbol: Added Note 11.

Item No. 37:
Sheet P201: First Floor Plumbing Plan
Replace drawing P201 issued 09/24/2020 with attached drawing P201.
1. Removed Sump Pump (SP1) and Associated above floor piping from Contract Documents.
2. Notes By Symbol: Changed note 16 to “Not Used.”

Item No. 38:
Sheet P301: Enlarged Plumbing Plans
Replace drawing P301 issued 09/24/2020 with attached drawing P301.
1. 1/P301 Enlarged Under Floor Plumbing Plan: Added new Floor Sink (FS1).
2. 1/P301 Enlarged Under Floor Plumbing Plan: Added new under floor sanitary sewer from new Floor Sink (FS1).
3. 3/P301 Enlarged Plumbing Plan: Removed Sump Pump Discharge Piping from Contract Documents.
4. 3/P301 Enlarged Plumbing Plan: Added new Floor Sink (FS1) and Associated Sanitary Sewer Vent Piping to Contract Documents.
5. Notes By Symbol: Changed note 26 to “Not Used.”

Item No. 39:
Sheet P402: Plumbing Isometric Riser Diagrams
Replace drawing P402 issued 09/24/2020 with attached drawing P402.
1. 4/P402 Plumbing Isometric Riser Diagram, Sanitary Waste and Vent: Added Floor Sink (FS1) and Associated Piping to Contract Documents.
Item No. 40:
Sheet P501: Plumbing Details
Replace drawing P501 issued 09/24/2020 with attached drawing P501.
   1. 3/P501 Elevator Shaft Sump/Sump Pump Details: Change Detail to “Not Used.”

Item No. 41:
Sheet E001: Electrical Abbreviations and Symbols
Fire Alarm Design General Notes updated to reflect MSU’s fire alarm control panel standard.

Item No. 42:
Sheet E201: First Floor Power Plan
Replace drawing E201 issued 08/24/2020 with attached drawing E201.
   1. Fire alarm control panel in Vestibule A101 replaced with fire alarm annunciator panel. Fire alarm control panel relocated to Electrical A136.
   3. Circuits revised in IDF A107.
   4. Sump pump receptacle and circuit wiring removed per plumbing revisions.
      Breaker shall remain in place and be labeled ‘Future Sump Pump’.

Item No. 43:
Sheet E300: Lighting Details and Schedules
Fixture finish for Type ‘WSE’ fixture changed from brushed aluminum to dark bronze.

Item No. 44:
Sheet E301: First Floor Lighting Plan
Replace drawing E301 issued 08/24/2020 with attached drawing E301.
   1. Type ‘S’ fixture in Electrical A136 changed to emergency. Switch changed to single pole toggle switch for safety.
   2. Type ‘B3’ fixture added in Womens Restroom A125.
   3. Occupancy sensors removed in Entry A116 and Shared Mtg Room A115.

Item No. 45:
Sheet E401: Electrical Single Line Diagram and Panelboard Schedules
Replace drawing E401 issued 08/24/2020 with attached drawing E401.
   1. Note added to Single Line Diagram Notes for contractor clarification.
   2. Circuits added in Panel ‘A’ for IDF receptacles and FACP.

Item No. 46:
Sheet T001: Technology General Notes and Legends
Replace drawing T001 issued 08/24/2020 with attached drawing T001.
   1. Removed CCTV Detail and references to CCTV Insight Video Management Software.

END OF ADDENDUM
Questions from Contractors/Vendors *(Received 9/18 - 9/24)*

**September 24, 2020**

1. Item #1 on the “Bidder’s Check List Submittal” (Reference RPF Appendix A on page 12 of 15) is a “Response to Solicitation”. What is this intended to be? Simply a cover letter or is a more detailed qualification statement required?
   Response: Purchasing includes this in the RFP as a tool to assist respondents to ensure that they have included everything for their bid submittal. It is not a requirement, only a tool.

2. Does Bullet #2 under Section 6 (Specifications/Scope of Work) under the RFP require the submission of a Project Schedule with the Proposal?
   Response: Yes, does not need to be overly detailed at this point in time, but should include major milestones such on-site construction initiated, demo duration, interior construction duration, site modifications duration, and, most importantly, Substantial Completion.

3. Confirm that Proposal Packets will be accepted via email without any hardcopy follow up?
   Response: Yes, preferred receipt is electronically. However, if the bid documents are too large to send by email, it can still be submitted in person using a flash drive.

4. Does this project have a Wage Scale?
   Response: Purchasing refers to the Davis Bacon Act. [https://beta.sam.gov/wage-determination/TX20200274/2?keywords=TX20200274&sort=relevance&index=wd&is_active=true&page=1](https://beta.sam.gov/wage-determination/TX20200274/2?keywords=TX20200274&sort=relevance&index=wd&is_active=true&page=1)

5. All aluminum canopy support details on Structural (1/S403, 2/S403, 5/S403, 1/S404, 3/S404) show an exterior tube steel support member. However, 3/A402 does not show an exterior tube steel support member; only anchoring straight thru the brick veneer. Advise which detail should be used.
   Response: There are some canopies with the steel tube for anchoring and some anchoring to steel angles inside the wall cavity. Refer architectural/structural revisions included in Addendum #2 for locations.

6. Keynote #7 on Sheet SP102 references Detail 16/SP201. Sheet SP201 does not have a detail 16.
   Response: Detail for decorative bollard included in Addendum #3
7. Keynote #18 on Sheet A102 calls out an AED Unit. An Architectural Equipment List is not provided for additional information. Specification is not provided. Is this supplied by the Contractor or Owner? Is this installed by the Contractor or Owner?
   a. At PASSAGE A122, Sheet E201 do not show power for AED Unit. Advise if power is needed.
   Response: AED unit is Owner provided, they are battery operated and do not require power.

8. Keynote #36 on Sheet A102 calls out solar roller shades. Specification is not provided.
   Response: Will be provider in Addendum #2

9. Keynote #50 on Sheet A102 calls out a vinyl wall covering. Specification is not provided.
   Response: Will be provider in Addendum #2

10. On Sheet A102, Keynote #38 addresses a Projector Screen located on the east wall of SHARED MEETING ROOM A115. Specification is not provided for the projection screen. Is this supplied by the Contractor of Owner? Is this installed by the Contractor or Owner?
    Response: Projectors will be owner furnished and installed. GC to provide required wall blocking.

11. On Sheet A102, in STOR/MECH A127 on the south wall, Detail 6/A405 is marked. Sheet A405 does not have detail 6.
    Response: These detail markers will be revised (or removed) per addendum #2.

12. On Sheet A102, in CHAPTER MEETING C101, Interior Elevations 19/A601 & 20/A601 are indicated. These appear to be incorrectly labeled because these details show interior elevations for restrooms.
    Response: Elevation markers will be revised in Addendum #2 and a revised sheet will be issued.

13. On Sheet A104, in WOMENS RESTROOM A125 on the west wall adjacent to Door A125 is a symbol for “FND” with an Keynote Indicator for #41. Keynote #41 describes a metal stud partition. What is this symbol identifying?
    Response: This item (FND) will be removed from the project per Addendum #2.

    Response: Spec section included in Addendum #2

15. Sheet A108 does not address existing lightning protection and WiFi components on the roof.
    Response: General Note 8 on A108 directs the contractor to remove and replace the existing Lightning Protection System. Verizon antenna (WiFi components) will be removed by owner or Verizon prior to construction.

16. Sheets A108 and M203 show several new roof penetrations. Most equipment at these locations appear to require roof curbs, however, additional support framing for these curbs is not indicated.
    Response: Will address these in Addendum #2
17. Sheet A301 shows several cast aluminum letters. Provide direction as to whether or not these will be part of the $10,000 Exterior Building Signage Cash Allowance.
Response: Yes, the flush mount letters shown on the exterior elevations shall be covered by the cash allowance.

18. The Door Schedule indicates that Doors A129, A137 & A138 are Type G.
   a. Sheet A102 Keynote 22 indicated an Overhead Security Grille for Door A129, but nothing is noted on the Door Schedule.
   b. Door Schedule Remark #8 indicates an Overhead Security Grille for Doors A137 & A138, but these doors are not indicated on Sheet A102.
Response a.: Door A129 will be a motorized overhead security grille as specified. Addendum #2 will add note #8 in the remark’s column for this door.
Response b.: The overhead security grilles A137 & A138 were removed from the project and will be removed via addendum #2.

19. Advise if Submittals for Specification Section 084413 (Glazed Aluminum Curtain Walls) will require an engineer’s seal from the manufacturer.
Response: Yes, an engineered stamp will be required.

20. Window elevations on Sheets A201 & A202 call for dark bronze anodized aluminum frames; however, Paragraph 2.6 of Specification Section 084413 (Glazed Aluminum Curtain Walls) and Paragraph 2.8 of Specification Section 084113 (Aluminum Framed Entrances and Storefronts) specify a clear anodic finish. Advise which finish should be used.
Response: All aluminum shall be dark bronze anodized. Will address in Addendum #2.

21. Interior Elevation 10/A603 notes an “18” Tall Glass Partition Screen as Specified”. Specification for this item is not provided.
Response: Will provide specification in Addendum #2.

22. Sheet P201 and Enlarged Plumbing Plan 3/P301 show Sump Pump SP1 in the elevator pit discharged to the waste line running to Mop Sink MSB1 in Room A121 (CUST/STOR). Confirm that any oil/water separation is not included for any future hydraulic elevator.
Response: Sump Pump will be installed in a future phase (II). Refer Addendum #2 for removal of sump pump from this project.

23. Detail 3/P501 shows an alarm panel for an elevator sump water level alarm system.
Response: A Sump Pump is not to be installed in this Phase of construction, a Alarm System will not be required. However, if a Sump Pump is installed in a future phase it will be required.

24. Are y’all requiring the GC to be Texas HUB certified?
Response: Anyone can bid on this project. However, the awarded GC is required to submit a HUB Subcontracting Plan IF they are not a HUB vendor/contractor.
25. Sheet C103 - The legend for the above page does not appear to be clear on what is existing concrete and proposed concrete, the same identification markings appear to have been used for both. Can you clarify what is existing concrete and what is proposed concrete?  
Response: Refer revised sheet in Addendum #2.

26. Is concrete testing the responsibility of the GC or MSU? Spec 18071 section 3.12 references testing, but it is not overly clear to me if the GC is responsible for it or if we are. I read it as the GC is responsible.  
Response: Testing will be by owner. Contractor will coordinate with testing company for all testing required by MSU Facilities staff.

27. It appears the spec calls for Avigilon cameras, but not Avigilon recording device or software. Do you wish to transition away from Avigilon onto this completely different platform?  
Response: Sheet T001 has been revised in addendum #2 to reflect the Avigilon system being the camera system for this project.

28. We are bidding the renovations for the Daniel Building on October 1st. There are T Sheets in the plan set for the cabling but there are conflicting notes. There is a General note on T001 that states “Contractor shall not install any data cabling, only rough-ins” but goes on to say what kind of racks, managers, cable and fiber they want. Specs are very vague as well. Plans and specs both indicate a generic system not Siemon 6 strand OM4 between the closets. UPS furnished by Contractor. PDU’s furnished by MSU.  
Do you know anything about this one? Is the cabling bidding separately?  
Response: UPS is to be furnished and installed by MSU and drawings have been updated to reflect that in addendum #3. Cabling to be bid separately. Confirm any cabling requirements with owner.

29. Specification 233113 2.2 A. Single-Wall round ducts and Fittings  
Question: Can round ductwork be fabricated buy contractor as long as it meets all SMACNA requirements in lieu of the four listed manufactures?  
Response: As long as it meets all SMACNA requirements, other manufacturers are acceptable.

30. Specification 233113 3.8 Duct Cleaning.  
Question: Is duct cleaning required since ductwork is new, and all open ends will be covered during construction.  
Response: Ductwork must be cover during shipment, construction, and after installation. Contractor shall install filter on each return grille when they are operating the equipment in order to not perform duct cleaning.

31. Specification 233113 3.10 G. liner  
Question: Where ductwork shows to have internal liner in concealed areas. Is it required for the round runouts also to have liner or can they be wrapped with the specified duct wrap insulation?  
Response: Duct wrap is acceptable for round duct except spiral duct or flat oval duct.
32. **General notes: M001 #14 General Notes**  
   **Question:** It states for the contractor to refer to the Architectural drawings for location of all fire rated walls and ceilings and to provide Fire Dampers/ Fire Smoke Dampers at location. FD/FSD's are life safety and per SAMCNA and NFPA 90A the engineer is to supply quantities and location of all Fire life safety dampers into the mechanical drawings. Only designers are in possession of sufficient information on barrier location, occupancy assignment, protection planning, and rating and identification of compartments and structural components to coordinate all requirements.  
   **Please verify all Fire Dampers and Fire Smoke Dampers are located on the mechanical drawings.**  
   **Response:** Firer damper locations were shown in the mechanical drawings.

33. **Specification 221316 3.2 Piping Applications**  
   **Question:** Will Sch 40 DWV PVC be acceptable for Above Grade Sanitary Waste and Vent Piping in Non-Plenum Rated Areas?  
   **Response:** Sch 40 DWV PVC is acceptable for above grade Sanitary Waste and Vent Piping in Non-Plenum Areas.

34. **Specification 232113 3.1 Piping Applications**  
   **Question:** Will Type L Copper with Press Type Fitting (Viega) be acceptable for the Chilled Water and Heating Water Systems? Similar to the Domestic Water Piping Specification 221116.  
   **Response:** Type L copper is not acceptable for chilled and hot water piping.

35. **Specification 237313 2.1 Manufacturers**  
   **Question:** Will other Manufactures such as Trane and Daikin be acceptable?  
   **Response:** Other manufacturers are acceptable as long as the meet all design capacity and requirement as specified in the drawings and specification. Contractor will be responsible for variation to fit and provide electrical service as needed for alternate manufacturer.

36. **We need a copy of the Asbestos survey for this building to include locations and estimated quantities?**  
   **Response:** Per Addendum #2 the Asbestos survey will be uploaded to the MSUTX Purchasing website.

37. **What kind of elevator do you plan to install at a later date so we can accurately plan for the design pit elevator?**  
   **Response:** The future elevator will be a Machine Roomless Hydraulic Elevator bases of design will be the ThyssenKrupp Endura HRML 2100.

38. **Demolition of existing roof not shown to have demo by others, on this specifications. Please provide clarification regarding roof demolition in this project or not?**  
   **Response:** Existing roof system to be left in place with new TPO roof to be retrofitted on top of the existing standing seam metal roof. Refer drawings for details.

39. **Is there going to be a 2nd Addendum?**  
   **Response:** Yes.
40. Provided the General Contractor is a Certified HUB contractor is it correct they will not be required to submit a HSP in their proposal? Yes, that is correct. No HSP is required if the GC is a HUB.
   Response: Yes, that is correct. No HSP is required if the GC is a HUB.

41. If Alt #1 is accepted do, we install sod on the outside of the fence and wall or is it to be concrete fill?
   Response: This area will be back filled for future landscaping by the owner. No concrete flatwork will be required in this location.

42. Agreement: Article 2 states "substantial completion of work by 1 September 2021", the Section 01005 Scheduling of Work paragraph 2 states "shall be completed by 15 August 2021". Please clarify what is the anticipated contract completion date?
   Response: The university is asking for the substantial completion date of August 15, 2021.

43. Section 01340 Shop Drawings, Product Data and Samples: Please clarify the anticipated duration the ODR and/or A/E will require to process submittals.
   Response: Design team will provide reviewed submittals back to the GC in 10-15 working days after receiving them.

44. Drawings Cover Sheet: The Cover Sheet has listed Sheets A801, A802, and A803 with note Issued as Addendum, then Addendum 1 was issued without these three sheets. Will these three sheets be provided to the Bidders?
   Response: These sheets have been issued with Addendum #2

45. Drawing C102: Please provide the thickness of the existing asphalt paving detailed to be demolition.
   Response: The design team does not know the thickness of the existing asphalt. We will reach out to MSUTX for any knowledge they may have.

46. Drawing C102: Please provide the thickness of all of the existing concrete sections detailed to be demolition.
   Response: The design team does not know the thickness of the existing concrete. We will reach out to MSUTX for any knowledge they may have.

47. Drawing C103 Site Grading Notes: The leading paragraph indicates that all materials and workmanship shall conform to standard specifications for Public Works Construction. Please clarify are the Bidders to follow the direction per Site Grading Note or the specifications provided with the RFP?
   Response: Bidders shall follow direction per Site Grading Notes

48. Drawing C103 Site Grading Notes: Notes 7 & 8 are referencing detention improvements. Please provide the drawings and details related to the detention improvements as stated.
   Response: Disregards these notes. This project does not require any detention improvements.
49. Drawing C103 Site Grading Notes: Note 10 indicates a flood development permit is required for building foundation. Please clarify if this requirement applies to this project, since the building foundation is existing.
   Response: Disregards these requirements.

50. Drawing SPD101 Keynote Demolition: Notes 11 & 12 indicated to demolish existing mounted signage and ground mounted signage. Please provide details of these two signs.
   Response: Keynotes refer to existing flush mount letters mounted to the face of the south entry gable. Lettering to be removed and holes to be filled with approved mortar or caulk.

51. Drawing SP101 Site Key Notes: Keynote 7 references detail 16 on Sheet SP201. Please note that SP201 does not have a Detail 16. Please provide Detail 16 for the 16in diameter concrete bollards.
   Response: Detail 16 is included with Addendum #2

52. Drawing SP101 Site Key Notes: Keynote 17 references new 48' tall wood privacy fence. Please provide the details of the wood fence requirements.
   Response: Detail 17 is included with Addendum #2

53. Drawing S101 1st Floor Plan Key Notes: Note A refers Bidders to Detail 2 on Sheet S201 for "leave out portion of east CMU elevator shaft wall". In reviewing Detail 2 on Sheet S201 there is no direction provided for the "leave out portion" of CMU elevator shaft. Please provide the details as referenced on S101 1st Floor Plan Key Notes A.
   Response: Refer architectural plans for leave out of East wall of the elevator shaft. This wall will be completed with shaft wall per details until phase 2 when the future elevator is installed.

54. Drawing S303 Landing Elevations: Please note that Detail 1 Stair A that the two landings have the same finish floor elevation noted at 101'-8 5/8". Please clarify the finish elevation for both landings at this stairway.
   Response: Refer section 1/S403, upper landing shall be 110'-10 1/4". Low landing elevation is correct.

55. Drawing S303 Detail 4 Roof Framing Plan: The Detailed Roof Plan Key Notes has note D listed, but not identified on the details of the drawing for location of the existing 8in Zee purlins as it applies. Please provide the location of Note D.
   Response: Disregard keynote D. Keynote C covers the existing purlins to be removed.

56. Drawing S401 Detail 1 Elevator Section: There is a note box referencing elevator drawings for reference required for rough openings sizes. Will the elevator drawings be provided to Bidders? Also, please clarify are the Bidders to include in the Base Bid the cost to supply and install the elevator?
   Response: The elevator is not in this phase of the project. The elevator and installation will be bid as part of Phase 2. This phase only includes the elevator shaft. Refer question 37 for info on proposed future elevator.
57. Drawing FP201: Please provide As-built drawings of the existing fire protection system.
   Response: a link to the Original Daniel Building drawings has been added to the MSUTX Purchasing website for access to all existing drawings included the Fire Protection sheets.

58. Drawings Civil/Site: The civil and/or site drawings do not any direction for the installation of storm water run-off prevention. Please provide a plan for the storm water run-off prevention.
   Response: This project is not disturbing more than one acre of land, so Stormwater Pollution Prevention measures are not required.

59. General: Will the Bidders be required to perform any hazardous material or mold abatement associated with this project? If so, please provide a current hazardous material survey.
   Response: No, the owner will be contracting this work outside of this project.

60. General: Are Supplementary General Conditions to be utilized for this project? If so, please provide for Bidders review the Supplementary General Conditions.
   Response: Yes, MSUTX Purchasing can provide this document.

61. Addendum 01-page 4 Item No.16: This note indicates Sheet A503 Interior Details, but description is for replacing A405. The Addendum included Sheets A405 and A503. So does Sheet A405 replace A503. Please clarify the changes and direction in reference to Note 16.
   Response: No, Item 16 listed the wrong sheet. A503 should have been listed as the sheet to be replaced, not A405.

62. Addendum 1 page 5 Item 23: This note indicates Sheet M203 adding equipment tags, but no updated drawing sheet was provided with equipment tags. Please clarify will an updated Sheet M203 be provided with equipment tags.
   Response: This sheet will be provided with Addendum #2.

63. Referencing Note 24 on sheet A102, it shows a 24" tall glass partition but is not shown on the drawings. Is this note for the glass partition shown on detail 10, sheet A603? If so, please advise if it is to be 18" or 24". If not please advise location of 24" glass partition.

64. Specification section 01050 Field Engineering 1.01 states "A. Provide and pay for field engineering services required for Project. 1. Civil, structural, or other professional engineering services specified or required to execute Contractor's construction methods." Please advise and quantify what professional services will be required for this project.
   Response: This shall include items such as surveyor layout of paving, foundations, sitework, etc.

65. Sheet A102 Note 15 references FRP wainscot to 60" A.F.F.. Room material code list does not mention this finish. Please advise on location where note 15 is applicable.
   Response: Disregard keynote 15, this note was not used.
66. Referencing the specifications section 01021 cash allowances, 2.a states "Provide two hundred thousand and 00/100’s ($200,000.00) in the contract for the “DANIEL BUILDING RENOVATION” for items to be considered during construction." Please clarify if this contingency is to be part of the base bid.
Response: Yes, General Contractors shall include allowances in their base bid proposal.

67. Will another manufacturer be acceptable for the Air handling equipment other than JCI/York and Carrier?
Response: Refer to response for question 35

68. Will warranty be required on the existing fire sprinkler system components being reused in the new design?
Response: No, however the owner would like to see if warrantying is an option once the project is complete.

69. Will a specification for the controls be issued? We currently do not see one.
Response: We will review with Mechanical engineer and response accordingly

70. Will there be a Davis-Bacon wage determination schedule issued?
Response: See questions – above for response.

71. Are there “Buy American” requirements?
Response: Will require a response from MSUTX Purchasing

72. Based on the specifications section 232113.3.10.G, rectangular ducts in all systems are to be internally lined. Please confirm this is accurate.
Response: Yes, also refer question 31 for round ducts
1. **GENERAL:**
   See referenced note in SECTION: SPECIAL CONDITIONS, paragraph 1.

2. **WORK INCLUDED:**
   Furnish labor and materials to install vinyl wall fabric as specified and scheduled on Room Finish Schedule. Up to five different colors and or patterns may be selected.

3. **QUALITY ASSURANCE:**
   a. Acceptable Manufacturers/Products, or approved equal:
      (1) "Momentum/Tri-Kes"
      (2) "Koroseal"
      (3) "Vicrtex"
      (4) “MDC Wallcovering”
      (5) “National Wallcoverings”

   b. Standards:
      (1) Meet or exceed Federal Specification CCC-W-408A for Type II vinyl-coated fabric wall covering except physical requirements specified herein : considered minimum acceptable.
      (2) Fire Hazard Classification: Classifications for materials in this section : equal to or lower than following, as determined by ASTM E-184-77 for Class A rating:
         (a) Flame Spread = 25
         (b) Smoke Density = 20

4. **SAMPLES:**
   a. Furnish manufacturer's color sample for Type II patterns specified meeting specified requirements.

   b. Furnish sample 18" by 18" for each color and pattern selected.

   c. Final acceptance of vinyl wall fabric : contingent upon architect's approval of samples.

5. **TEST PANELS:**

   b. Test panels : conform with appearance and workmanship required for project.

   c. Test panels found deficient by specification standards or application procedures : replaced.

   d. Approved test panels : standard of comparison for project.

   e. No work: begin until panel is approved by architect in writing.

6. **CERTIFICATION:**
   Furnish architect affidavit that materials comply with these specification requirements.

7. **DELIVERY AND STORAGE:**
   a. Take care to prevent damage during delivery and handling.
b. Store vinyl wall fabric in undamaged condition as packaged by manufacturer, with manufacturer's seals and labels intact.

c. Store materials in clean, dry storage area.

d. Do not store vinyl wall fabric in upright position.

e. Storage area temperature: maintained above 40 degrees F with normal humidity.

8. ENVIRONMENTAL CONDITIONING:
   a. Vinyl wall fabric should be installed only when normal temperature and humidity conditions approximate same conditions that will exist when building is occupied.

   b. Area to receive fabric covering: constant temperature of 70 degrees F measured at base elevation.

   c. Temperature: maintained for 72 hours before, during and 48 hours after application.

   d. Remove vinyl wall fabric from its packaging and allow to acclimatize to area of installation 24 hours before application.

9. MAINTENANCE INSTRUCTIONS:
   a. Furnish Owner, through Architect, copy of manufacturer's maintenance instructions.

   b. Instructions: contain manufacturer's recommended cleaning materials and application methods including precautions in use of cleaning materials which may be detrimental to surface if improperly applied.

10. EXTRA STOCK:
    Provide 25 linear feet of full width material of each pattern and color.

11. MATERIALS:
    a. Vinyl wall fabric – Allowance up to $35.00/yd.:
        (1) Pattern: As selected by Architect. May choose up to 5 patterns.
        (2) Color: As selected by Architect.
        (3) Type II. Class A in conformance with Fed. Spec. CCC-W-408, with the following requirements:

        | TYPE II PATTERNS | MINIMUM REQUIREMENT |
        |------------------|---------------------|
        | PHYSICAL PROPERTIES |                        |
        | Width             | 54 inches           |
        | Total Weight      | 24 oz./lin.yd.      |
        | Total Weight      | 16 oz./sq. yd.      |
        | Vinyl Weight      | 18.6 oz./lin.yd.    |
        | Total Thickness   | 25 mils             |
        | Backing Weight    | 5.4 oz./lin. yd.    |

        (4) Weight of vinyl coating less backing: 6.2 oz. per square yd.


        (6) Stain resistance:
            (a) Meet standard established in ASTM D1308.
            (b) Asphalt, ball point pen, lipstick and red crayon: Removable with slight staining of vinyl fabric.

    b. Adhesive:
(1) Heavy bodied water soluble past manufactured expressly for use with vinyl wall fabric furnished for installation.
(2) Adhesive: contain mildew inhibitor.

c. Release Agent: Non-staining, as recommended by manufacturer.

12. CONDITION OF SURFACES:
Gypsum drywall:
(1) Recessed nails and screws.
(2) Taped and floated joints and nail and screw depressions.
(3) Sand and dusted.
(4) Apply one coat of release agent.

13. PREPARATION:
a. Examine substrate surfaces and correct defects before beginning work.
b. Complete other trade work that penetrates substrate before beginning vinyl wall fabric installation.
c. Starting work: indicate acceptance of suitable substrate surface.
d. Apply one coat of release agent gypsum board to allow future removal for redecoration.
e. Verify proper pattern and color for each space prior to cutting any fabric.

14. INSTALLATION OF VINYL WALL FABRIC:
a. Vinyl wall fabric installation sequence.
   (1) Use vinyl wall fabric rolls in consecutive numerical sequence of manufacture.
   (2) Place fabric panels consecutively in exact order they are cut from roll including filling spaces above or below windows, doors or similar penetrations.
   (3) Hang fabric by reversing alternate strips except on match patterns.
b. Use full widths of material. Only one piece less than full width: allowed in any room.
c. Trim additional selvage where required to achieve color and pattern match at seams.
d. Follow manufacturer's printed instructions for mixing adhesive.
e. Apply adhesive to fabric back using roller or paste brush.
f. Hang non-matched patterns by overlapping edges and double cutting through both thicknesses with 0.04" or 0.06" thick zinc or aluminum strip back-up to prevent cutting substrate.
g. Wrap fabric 6" beyond inside and outside corners; no cutting at corners permitted except when color or pattern of fabric is different on adjacent walls.
h. Extend fabric to 4" above ceiling line.
i. No horizontal seams permitted.
j. Remove and replace hardware, accessories, plates and similar items to allow fabric to be installed.
k. Place vinyl wall fabric before installation of plumbing fixtures, casings, bases, cabinets and ceilings.
l. Use stiff bristled brush or flexible broad knife to eliminate air pockets and to secure fabric to substrate surface.
m. With damp sponge remove excess adhesive from each seam as it is made and wipe clean and dry with cloth towel.
n. Installed fabric: secure, smooth, clean, without wrinkles, gaps or overlaps.
SECTION 100000 MISCELLANEOUS SPECIALTIES

PART 1 GENERAL

1.1 SUMMARY
   A. Provide items as outlined below. Scope of Work includes blocking as specified in Section 06100.

1.2 QUALITY ASSURANCE
   A. Use adequate number of skilled workmen who are trained and experienced in the necessary crafts and who are completely familiar with the requirements and the methods needed for proper installation of the work of this Section.

1.3 PRODUCT HANDLING
   A. Protection: Use all means necessary to protect the Owner furnished items before, during and after installation.

1.4 QUALITY ASSURANCE
   A. Meeting ASTM-E84 Class I rating.

PART 2 PRODUCTS

2.1 CORNER GUARDS: Flexible (3/4” x 3/4” x 8’-0”) Corner Guard, Model 349F by Inpro Corporation Door and Wall Protection Systems (800) 222-5556. Install at all exposed and finished drywall corners. Color as selected by Architect from manufacturers Element and Standard colors.

2.2 CHAIR RAIRS: 3” tall Chair rail, Model number 2700W by Inpro Corporation Door & Wall Protection Systems (800) 222-5556. Install as indicated on Plans. Color as selected by Architect from Woodland Colors.

2.3 ALUMINUM CANOPIES: Factory fabricated aluminum canopy: Mapes Industries Super Lumideck (or approved equal) with 8” ‘J’ Fascia, 2 ¾” extruded decking, tension rod hangers with through bolt compression sleeves, concealed front drainage, and baked enamel bronze finish. Dimensions as shown on the drawings. Provide shop drawings for approval prior to fabrication.

2.4 GLASS PARTITION: CRL D990BA 18” and 24” High 1” Square Design Series Partition Post with Dark Bronze Anodized Finish by C.R. Laurence Co, Inc. www.crlaurence.com, with ¼ flutex glass, TYP.

PART 3 EXECUTION

3.1 INSTALLATION
   A. Install per manufacturer's recommendations.
   B. All applications to be true and plumb.

END OF SECTION
PART 1 - GENERAL

1.01 SCOPE
A. SUPPLIER: Furnish and install Manual Roller Shades (Premium Quality)
B. RELATED WORK SPECIFIED ELSEWHERE:
   1. Section 06100: Rough Carpentry
   2. Section 08520: Aluminum Windows

1.02 REFERENCES
A. FLAME-RESISTANT MATERIALS SHALL PASS OR EXCEED ONE OR MORE OF THE FOLLOWING TESTS:
   - National Fire Protection Association (NFPA) 701 (small scale for horizontal applications)
   - Department of Transportation Motor Vehicle Safety Standard 302 Flammability of Interior Materials
   - California Administrative Code Title 19
   - Federal Standard 191 Method 5903 (used by Port Authority of New York and New Jersey for drapery, curtain, and upholstery material)
   - Boston Fire Department Test BFD IX-I
   - New York State Uniform Fire Prevention and Building Code

1.03 SUBMITTALS
A. PRODUCT DATA: Manufacturer's descriptive literature shall be submitted indicating materials, finishes, construction and installation instructions and verifying that product meets requirements specified. Manufacturers recommendations for maintenance and cleaning shall be included.
B. DRAWINGS AND DIAGRAMS: Wiring diagrams of any motorized components or units, working and assembly drawings shall be supplied as requested.
C. SAMPLE: Responsible contracting officer or agent shall supply one sample shade of each type specified in this contract for approval. Supplied units shall be furnished complete with all required components, mounting and associated hardware, instructions and warranty.

1.04 QUALITY ASSURANCE:
A. Supplier: Manufacturer, subsidiary or licensed agent shall be approved to supply the products specified, and to honor any claims against product presented in accordance with warranty.
B. INSTALLER: Installer or agent shall be qualified to install specified products by prior experience, demonstrated performance and acceptance of requirements of manufacturer, subsidiary, or licensed agent. Installer shall be responsible for an acceptable installation.
C. UNIFORMITY: Provide Manual Roller Shades of only one manufacturer for entire project.

1.05 DELIVERY, STORAGE AND HANDLING:
A. Product shall be delivered to site in manufacturer's original packaging.
B. Product shall be handled and stored to prevent damage to materials, finishes and operating mechanisms.

1.06 JOB CONDITIONS:
A. Prior to shade installation, building shall be enclosed.
B. Interior temperature shall be maintained between 60°F. and 90°F. during and after installation; relative humidity shall not exceed 80%. Wet work shall be complete and dry.
1.07 WARRANTY:
   A. Lifetime Limited Warranty. Fabrics warranted for 5 years. Specific product warranties available from manufacturer or its authorized agent.

PART 2 – PRODUCTS

2.01 ACCEPTABLE MANUFACTURER
   A. Hunter Douglas Contract/ 13915 Danielson St., Ste-IOO/ Poway, CA 92064/ Phone: 800-727-8953 Fax: goo-205-9919/ Website: www.hunterdouglascontract.com, or architect approved equivalent. Contact the following for project assistance and dealer referral @ 800-964-2580: (Southern/Central) Christopher Hagen ext. #327312, (Southwest) Matthew Craven ext. 827317

   B. Product substitutions must be approved by architect minimum of 10 days prior to close of bid.

2.02 MANUAL ROLLER SHADES
   A. PRODUCT: Hunter Douglas "Manual Roller Shades"
   B. MATERIALS:
      1. FABRICS: Inherently anti-static, flame retardant, fade and stain resistant, light filtering & room darkening fabrics providing 0-10% openness factor selections. Fabric weights to range between 11.00 oz/sq.yd. containing 100 % fiberglass, with PVC, vinyl laminates. Finish selected by architect from manufacturer's available contract colors.
      2. CONTROL SYSTEM: Adjustment-free continuous qualified #10 stainless steel ball chain ((90-lb. test)) and pulley clutch operating system allows precise control and ensures a uniform look. Clutch will develop no more than % pound drag for ease of lifting. Glass reinforced polyester thermopolymer (PBT) plastic components conform to military specification MIL M-24519 and designed for smooth, trouble-free operation.
      3. ROLLER: Circular-shaped painted extruded aluminum tubes with thicker wall & ribs provide additional strength while locking into place the clutch & end plug. 3" outside diameter extruded tube to have a .090 wall thickness. 2" outside diameter extruded tube to have a .072" wall thickness (1 %" & 1 1/8" tubes have .055" wall thickness) providing strength & durability.
      4. END PLUG: Heat stabilized fiber reinforced plastic outside sleeve and center shaft provide bearing surfaces on which the roller rides ensuring smooth, wear resistant operation.
      5. BOTTOM ROD: Extruded aluminum weight in a Sealed Pocket Hem Bar, or Flat Bottom Bar for fabrics that are not seamable. Bottom rod is for tracking adjustments and provides uniform look.
      6. MOUNTING HARDWARE: Manufacturer's standard .07" nickel-plated, 003/1010 cold rolled steel universal brackets including end plug bracket with lock down retainer device.
      7. FASCIA PLATE: Continuous removable extruded aluminum fascia that attaches to shade mounting brackets without the use of adhesives, magnetic strips, or exposed fasteners. Fascia shall fully conceal brackets, shade roller and fabric on the tube. Provide bracket/fascia end caps where mounting conditions expose outside of roller shade brackets. Notching of Fascia for manual chain shall not be acceptable. Color as selected by Architect from standard colors.
2.03 FABRICATION
   A. Shade measurements shall be accurate to within ± 1/8” or as recommended in writing by manufacturer.

2.04 FABRICS
   Fabric selection from the following: Shearweave or Mermet Fabric with selection from 0-10% openness, or approved equal.

PART 3 - EXECUTION

3.01 INSPECTION:
   A. SUBCONTRACTOR shall be responsible for inspection on site, approval of mounting surfaces, installation conditions and field measurement for this work.
   B. OTHER INTERACTING TRADES shall receive drawings of shade systems, dimensions, assembly and installation methods from subcontractor upon request.

3.02 INSTALLATION:
   A. INSTALLATION shall comply with manufacturer's specifications, standards and procedures as detailed on contract drawings.
   B. ADEQUATE CLEARANCE shall be provided to permit unencumbered operation of shade and hardware.
   C. CLEAN finish installation of dirt and finger marks. Leave work area clean and free of debris.

3.03 DEMONSTRATION:
   A. Demonstrate operation method and instruct owner's personnel in the proper operation and maintenance of the blinds.

3.04 SCHEDULE:
   A. Refer to SHEET A102: Provide roller shade at all windows as noted on Drawing.

END OF SECTION
ENLARGED SECOND FLOOR MECHANICAL ROOM DEMOLITION PLAN
MECHANICAL ROOF PLAN

M203 - GENERAL NOTES

M203 NOTES BY SYMBOL

1. CONTRACTOR SHALL PROVIDE AND INSTALL MECHANICAL EQUIPMENT WITH MANUFACTURER'S RECOMMENDED CLEARANCE.

2. EXHAUST AIR HOOD SHALL MAINTAIN MINIMUM 10 FEET CLEARANCE FROM ANY FRESH AIR INTAKES AS REQUIRED BY CODE.

3. MECHANICAL EQUIPMENT FOR ALTERNATE 2. THIS EQUIPMENT SHALL NOT BE INCLUDED FOR BASE BID. SHOWN FOR REFERENCE.

M203

1/8" = 1'

8' 8' 16'

MECHANICAL ROOF PLAN

M203 - GENERAL NOTES

M203 NOTES BY SYMBOL

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITION PRIOR TO ORDERING OR FABRICATING ANY MECHANICAL WORK.
1. 6" DIA SUPPLY DUCT UP THROUGH THE ROOF AND TERMINATE AT EXHAUST AIR HOOD. RE:1/M203 FOR CONTINUATION.

2. 22/10 SUPPLY DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR CONTINUATION.

3. 14/10 SUPPLY DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR CONTINUATION.

4. 20/10 SUPPLY DUCT UP THROUGH THE FLOOR ABOVE. RE:1/M202 FOR CONTINUATION.

6. 6" DIA EXHAUST DUCT UP THROUGH THE ROOF AND TERMINATE AT EXHAUST AIR HOOD. RE:1/M203 FOR CONTINUATION.

7. CONTRACTOR SHALL RELOCATE SENSORS ASSOCIATED WITH AHU-1 TO THIS LOCATION.

8. CONTRACTOR SHALL PROVIDE 30/12 TRANSFER AIR DUCT IN THIS LOCATION. PROVIDE TYPE "P", 32/14 FACE SIZE, 30/12 NECK SIZE AIR DEVICE ON THE MULTI-PURPOSE SIDE OF WALL AND COVER PLENUM SIDE OF DUCT WITH 1/2" METAL MESH.

9. CONTRACTOR SHALL PROVIDE 20/10 TRANSFER AIR DUCT IN THIS LOCATION.
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**PLUMBING FIXTURE SCHEDULE**

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**DOMESTIC ELECTRIC WATER HEATER SCHEDULE**

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**THERMOSTATIC MIXING VALVE SCHEDULE**

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**CONSTRUCTION NOTES**

- [Note 1]
- [Note 2]
- [Note 3]
- [Note 4]
GENERAL LIGHTING NOTES:

1. GENERAL LIGHTING TO BE PROVIDED WITH THE USE OF THE ARCHITECTURAL REFLECTED CEILING PLANS AND DETAILS. ALL LIGHTING TO BE CONTROLLED BY PHOTOCELL UNLESS NOTED OTHERWISE.

2. OUTDOOR LIGHTING TO BE CONTROLLED BY PHOTOCELL UNLESS NOTED OTHERWISE.

3. EMERGENCY LIGHTING ON INVERTER SHALL BE LOCAL EMERGENCY CIRCUIT.
PROVIDE A MINIMUM OF 20% SPARE (EMPTY) PATCH PANEL SPACES IN RACK.

THE RACK SHALL BE INSTALLED ON NO CABLE TRAY.

OWNER PROVIDED PBX (POWER DISTRIBUTION UNIT) (TYP)
OWNER PROVIDED PDU (POWER DISTRIBUTION UNIT) (TYP)

6" CABLE MANAGEMENT RECEPTACLE (TYP)
120/20A PER CABLE MANAGER.

ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH IN AND (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE FOR ALL NON-ACCESSIBLE AREAS.

COORDINATE WITH OWNER FOR TV SIZE AND MOUNTING LOCATION.

(1) 6 STRAND 10GB 50/125 OM4 FIBER