



ADDENDUM NO. 1
DTCC George Campus AHU Replacement
Page 1

May 10, 2019

**The Bid due date for this Bid Package remains unchanged.
Bids are being received until 2:00 PM Wednesday, May 29, 2019**

NOTICE: Attach this addendum to the project manual for this project. It modifies and becomes a part of the contract documents. Work or materials not specifically mentioned herein are to be described in the main body of the specifications and as shown on the drawings. Bidders shall acknowledge receipt of this addendum on the space provided on the Bid Form. Failure to do so may subject the bidder to disqualification.

The contract documents for the above referenced project, dated May 9th, 2019 are amended as follows:

QUESTIONS AND ANSWERS:

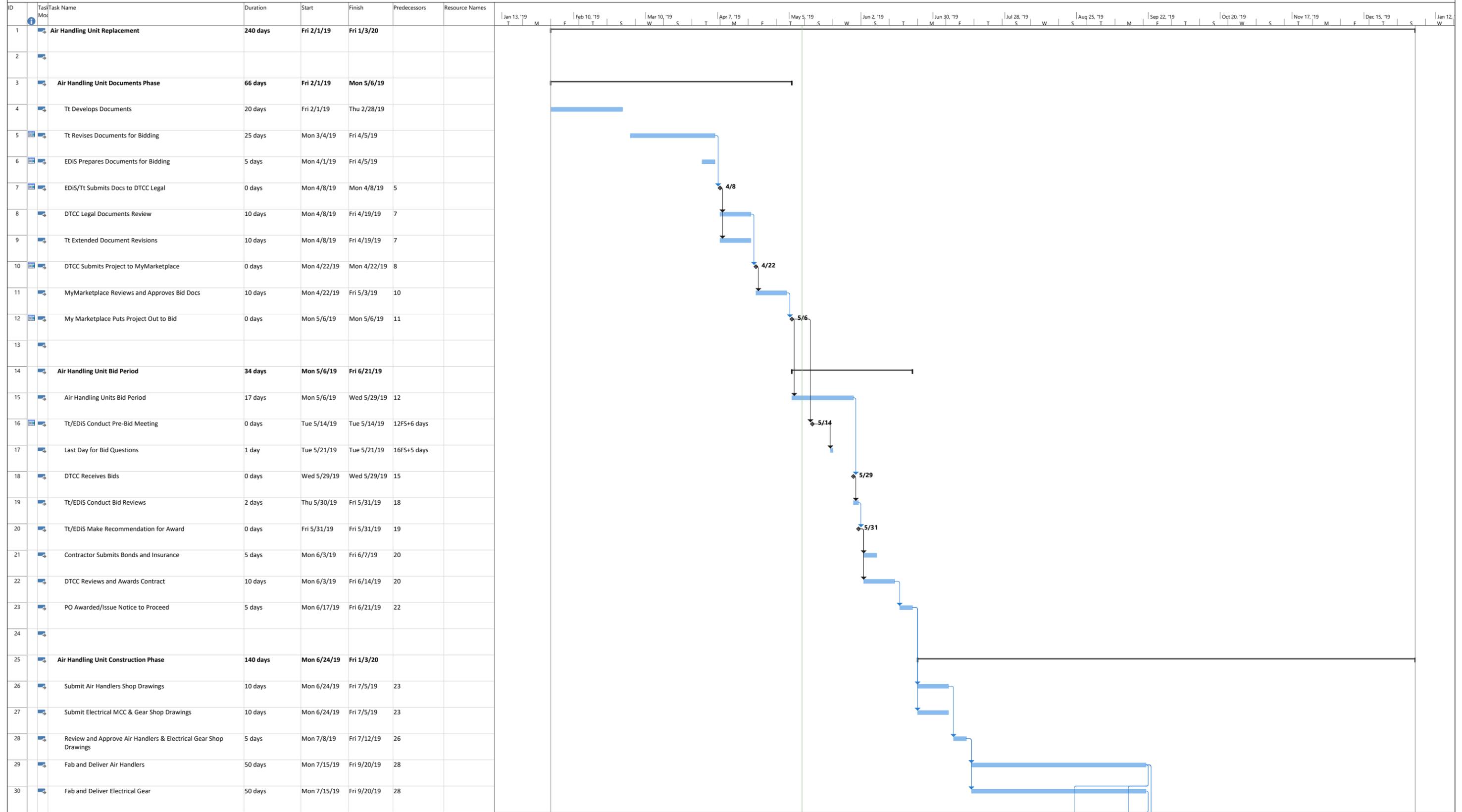
1. Q: What is the last day bid questions will be accepted?
A: Please see attached revised bid schedule. The last day bid questions will be accepted is 3PM on Tuesday, 5/21/19.

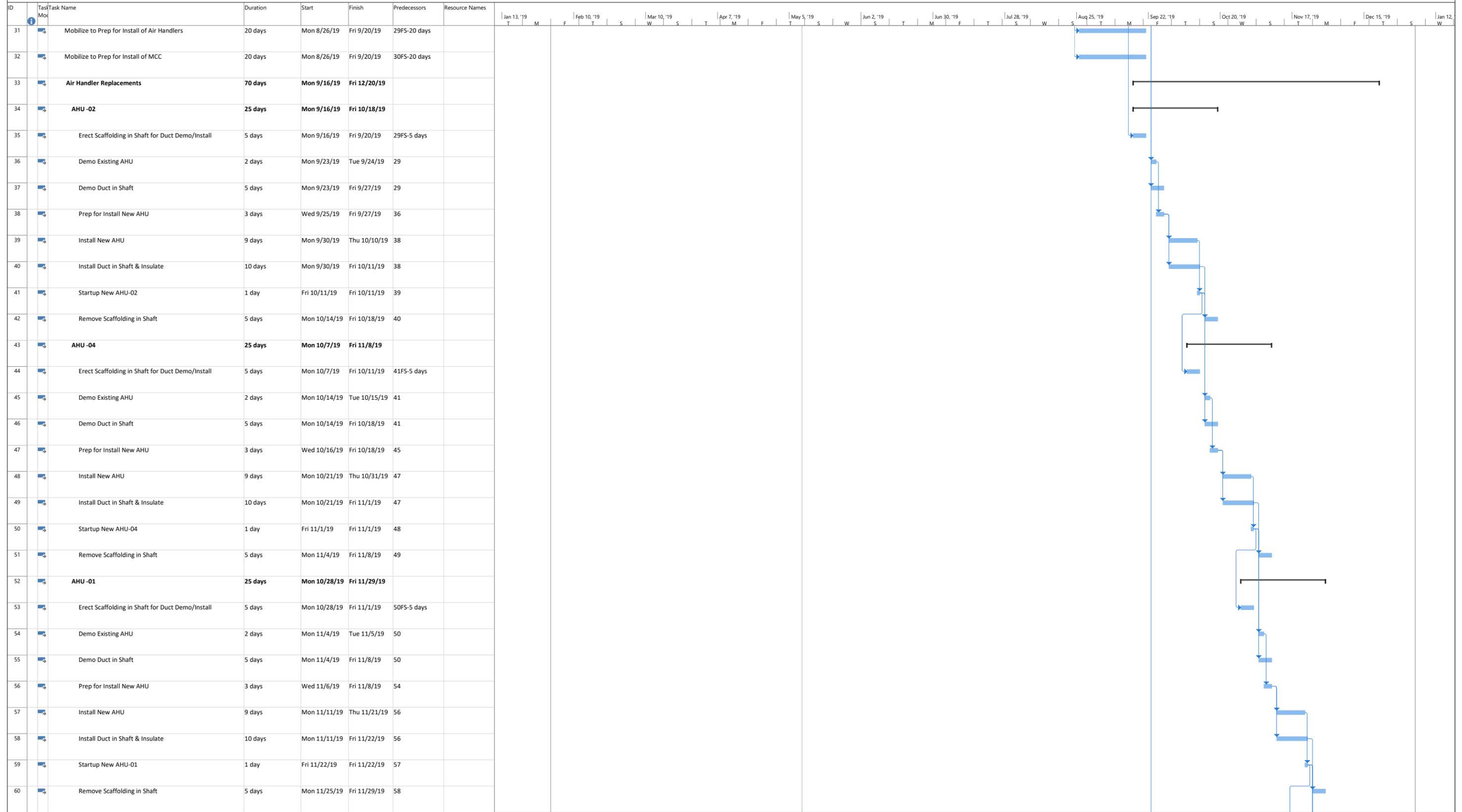
ATTACHMENTS

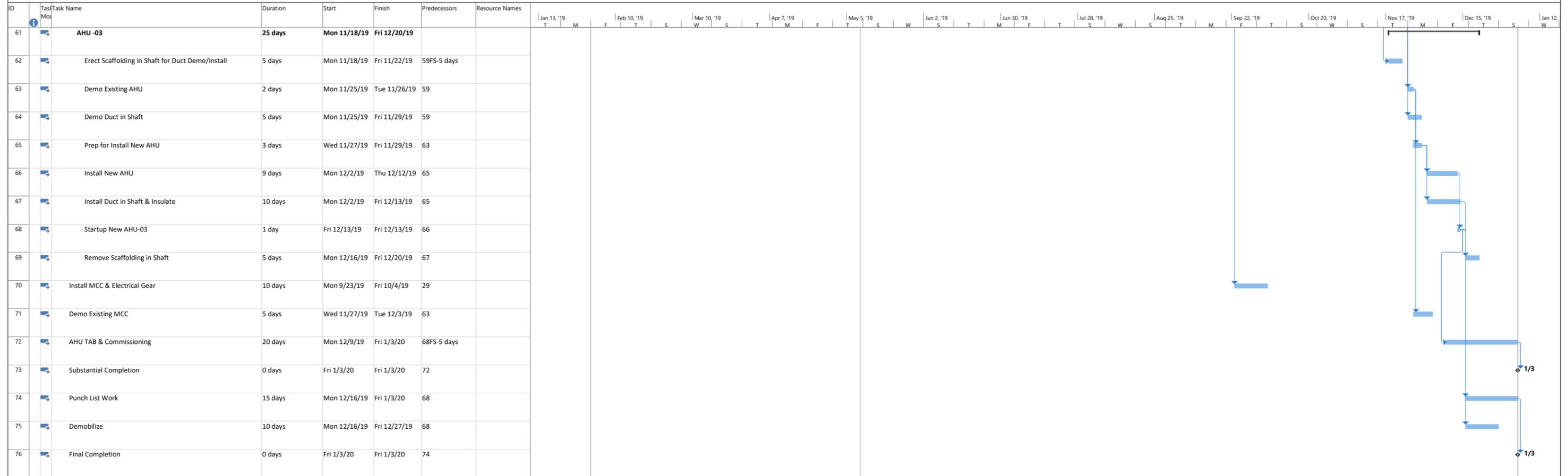
- DTCC George Campus AHU Replacement Specifications dated May 9, 2019
- DTCC George Campus Updated Schedule dated May 9, 2019 Rev 1.
- DTCC AHU Replacement "Issued for Bid" Drawings dated May 9, 2019
- Updated Summary of Work dated May 9, 2019

End of Addendum No. 1









SECTION 011100 - SUMMARY OF WORK

1. RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Sections, apply to work of this Section.

2. CONTRACTS

- A. The work will be performed under separate prime contracts managed by the Construction Manager.

3. ALTERATIONS & COORDINATION

- A. Contractor shall be responsible to coordinate their work with the work of others, including, but not limited to, the preparation of general coordination drawings, diagrams and schedules, and control of site utilization, from the beginning of activity, through project close-out and warranty periods.

4. KNOWLEDGE OF CONTRACT REQUIREMENTS

- A. The Contractor and his Subcontractors, Sub-subcontractors and material men shall consult in detail the Contract Documents for instructions and requirements pertaining to the Work, and at his and their cost, shall provide all labor, materials, equipment and services necessary to furnish, install and complete the work in strict conformance with all provisions thereof.
- B. The Contractor will be held to have examined the site of the Work prior to submitting his proposal and informed himself, his Subcontractors, Sub-subcontractors and material men of all existing conditions affecting the execution of the Work.
- C. The Contractor will be held to have examined the Contract Documents and modifications thereto, as they may affect subdivisions of the Work and informed himself, his Subcontractors, Sub-subcontractors and material men of all conditions thereof affecting the execution of the Work.
- D. The Scope of Work for the Contract is not necessarily limited to the description of each section of the Specifications and the illustrations shown on the Drawings. Include all minor items not expressly indicated in the Contract Documents, or as might be found necessary as a result of field conditions, in order to complete the Work as it is intended, without any gaps between the various subdivisions of work.
- E. The Contractor will be held to be thoroughly familiar with all conditions affecting labor in the area of the Project including, but not limited to, Unions, incentive pay, procurements, living, parking and commuting conditions and to have informed his Subcontractors and Sub-subcontractors thereof.

5. CONTRACT DOCUMENTS INFORMATION

- A. The Contract Documents are prepared in accordance with available information as to existing conditions and locations. If, during construction, conditions are revealed at variance with the Contract Documents, notify the Construction Manager immediately, but no more than three (3) days from the day the variance is first known. Failure to give timely notice shall operate to waive any claim Contractor might otherwise have for an adjustment to Contract Time or Sum as a consequence of such variance.
- B. The Specifications determine the kinds and methods of installation of the various materials, the Drawings establish the quantities, dimensions and details of materials, the schedules on the Drawings give the location, type and extent of the materials.
- C. Dimensions given on the Drawings govern scale measurements and large scale drawings govern small scale drawings, except as to anything omitted unless such omission is expressly noted on the large scale drawings.
- D. The techniques or methods of specifying to record requirements varies throughout text, and may include "prescriptive", "open generic/descriptive", "compliance with standards", "performance", "proprietary", or a combination of these. The methods used for specifying one unit of work has no bearing on requirements for another unit of work.
- E. Whenever a material, article or piece of equipment is referred to in the singular number in the Contract Documents, it shall be the same as referring to it in the plural. As many such materials, articles or pieces of equipment shall be provided as are required to complete the Work.
- F. Whenever a material, article or piece of equipment is specified by reference to a governmental, trade association of similar standard, it shall comply with the requirements of the latest publication thereof and amendments thereto in effect on the bid date.
- G. In addition to the requirements of the Contract Documents, Contractor's work shall also comply with applicable standards of the construction industry and those industry standards are made a part of Contract Documents by reference, as if copied directly into Contract Documents, or as if published copies were bound herein.
- H. Where compliance with two (2) or more industry standards, contract requirements, or sets of requirements is specified, and overlapping of those different standards or requirements establishes different or conflicting minimums or levels of quality, then the most stringent requirements, which are generally recognized to be also the most costly, is intended and will be enforced, unless specifically detailed language written into the Contract Documents clearly indicates that a less stringent requirement is to be fulfilled. Refer apparently equal but different requirements, and uncertainties as to which level of quality is more stringent, to Architect for decision before proceeding.

- I. Reference standards referenced directly in Contract Documents or by governing regulations have precedence over non-reference standards which are recognized in industry for applicability of work.
 - J. Contractor's bid is based on the complete set of Contract Documents including documents not specifically issued as part of the bid pack but referenced in same.
6. SCOPE OF WORK/GENERAL INFORMATION
- A. A Scope of Work for each contract to be awarded on the project follows in this section. When a Contract has been awarded to a Contractor, the successful Contractor will be listed after the title of the Contract. When no Contract has yet been awarded, no Contractor's name will be listed. Previous Scopes of Work include addendum changes.
 - B. Contractor is responsible for performing the work listed in the Summary of Work for his contract. Contractor is also responsible for knowing the work that has been assigned to preceding contracts. No additional compensation or extension of time will be allowed a Contractor due to his ignorance of the work assigned to his Contract or to other contracts which may affect his work. The Contractor is responsible, however, for all items which are covered in the Specifications and Drawings relating to their Contract if not specifically mentioned in the Summary of Work.
 - C. The Construction Manager will provide on-site a source for temporary electric, temporary water and portable sanitation facilities only. It is each Contractor's responsibility to make the necessary connections, including all material for temporary electric and water. Please note that utility charges for office trailers will be the responsibility of the individual Contractors.
 - D. A dumpster will be provided on site for free use by Contractors to dispose of non-hazardous, common, work-related refuse. Clean-up is the responsibility of each Contractor. Clean up shall be performed on a daily basis. Contractors not complying will be advised in writing and back charged for all costs associated with the cleanup of their work.
 - E. Contractors are reminded that there are limited storage areas available on site. Off-site storage will be the responsibility of each individual Contractor.
 - F. Office trailer permits off site will be the responsibility of each individual Contractor. On site Contractor's field offices, one (1) per Contractor, if required, will be located as directed by the Construction Manager.
 - G. Contractor will be prepared to discuss and submit a detailed project schedule seven (7) days after receipt of Notice to Proceed and to begin its submittal process. The Project Schedule is an integral part of this contract. Certain construction sequences and priorities must take place in order to meet the target dates. Concentrated work periods

- will occur and each Contractor is responsible to staff the project as required by the current Construction Schedule or as directed by the Construction Manager. Contractor will cooperate with the Construction Manager in planning and meeting the required sequences of work and Project Schedule as periodically updated by the Construction Manager.
- H. All bids must include insurance limits in accordance with Article 11 of the Section 007300 SUPPLEMENTARY CONDITIONS.
 - I. Hoisting, scaffolding and material handling is the responsibility of each Contractor, unless otherwise noted.
 - J. Contractor will be responsible for layout of its own work. The Construction Manager will provide benchmark and layout of the building line.
 - K. Contractor will be responsible to keep clean public roadways soiled by construction traffic on a daily basis. If cleaning is not done, the Construction Manager may perform the cleaning on an overtime basis and backcharge the Contractor responsible.
 - L. Contractor Scopes of Work and Schedule are interrelated. Familiarity with each is required.
 - M. The Construction Manager will provide testing services for soil, concrete and steel. Other testing as required by the Contract Documents will be in accordance with the technical specifications and/or the individual scope of work. Refer to Specification Section 004500 - QUALITY CONTROL.
 - N. Safety is the responsibility of each individual Contractor. The project will be governed under the guidelines of OSHA.
 - O. Inter-Contractor shop drawing distribution will be performed by the Construction Manager. Contractor is individually responsible for either coordinating his work with these distributed drawings or notifying the Construction Manager, in writing, of any discrepancies.
 - P. Coordination with other trades will be required. The Contractor will be required to attend periodic coordination meetings with other trades where requirements, conflicts and coordination issues will be discussed and resolved. Attendance when requested will be mandatory. If inter-Contractor coordination is not satisfactorily performed, the conflicting Contractors shall mutually share the cost to relocate and/or reinstall their work.
 - Q. Contractor shall submit a schedule of values to the Construction Manager for approval prior to the submission of their first invoice for approval [on AIA G702/CMA, Application for Payment and G703, Continuation Sheet.] [through Building Blok-

- R. Contractor is expected to review and coordinate its Work with the complete set of Contract Documents, including all items noted as by his trade whether or not shown on that particular set of drawings. Documents are available at the site for review.
- S. Contractor is responsible for obtaining all necessary permits required for his work, including street permits. Unless otherwise noted, building permit shall be secured by the Construction Manager. Any subcontractor who will be restricting access to street, right of way or adjacent property must notify the Construction Manager 48 hours in advance.
- T. Contractor's License: Submit a copy of all business licenses required by local and state agencies.
- U. Contractor shall absorb, without additional compensation, any and all costs of working beyond normal hours to maintain job progress in accordance with the current construction schedule.
- V. No asbestos or PCB's in or on any material or equipment will be accepted or allowed on this project. All hazardous materials will be treated in accordance with all State and Federal regulations.
- W. Daily cleanup of the work is the responsibility of each individual Contractor which includes broom cleaning of their debris as required. Contractor will be individually back charged by the Construction Manager for clean up not satisfactorily performed by the Contractor.
- X. In the event asbestos is uncovered, the Contractor shall notify the Construction Manager of the areas requiring removal of asbestos. The Construction Manager shall then coordinate the removal with the Owner.
- Y. This project is to be constructed adjacent to and in existing buildings. Contractor shall exercise all due precautions to minimize noise, air pollution and any other construction hazards which in any way would cause discomfort or danger to the occupants of the existing building in the area.
- Z. Existing mechanical, electrical, plumbing, sprinkler, medical gas, fire alarm, etc. systems will be shut off and locked out by the Owner as required by the Work. Tie-in's and modifications to those systems will be performed by the specific Contractor associated with the work as indicated in the Contract Documents. Re-energizing and re-startup of all systems should be performed by the Owner.
- AA. The Safety Cable System shall not be altered or removed without a written request submitted to the Project Manager with a copy to the Field Manager. It shall be the responsibility of each and every Contractor that is removing or altering the Safety Cable System to maintain the fall protection safety provided by the safety cable and not leave the area unprotected. Each and every Contractor shall be responsible to re-install the Safety Cable System immediately after work is completed. Each and every Contractor

- shall be responsible to re-install the Safety Cable System in accordance to OSHA standards.
- AB. Normal work hours for this project are from 7:00 a.m. to 3:30 p.m. Any work to be performed outside of these hours must receive prior approval from the Construction Manager. Requests to work beyond normal work hours shall be submitted at least 48 hours prior.
- AC. Contractor is responsible for having a competent project superintendent/foreman on-site during all work performed under its contract.
- AD. In the event the Contractor has non-English speaking employees or subcontractors on the project, they shall have a superintendent or foreman on site, at all times, who speaks English and can communicate with Contractor's employees. Should the Contractor fail to meet this requirement, at any time, Construction Manager may direct all Work to stop until the proper supervision is on site. The Contractor will be responsible for maintaining the project work schedule and make up at its own expense, any delay to the Schedule resulting from the work stoppage.
- AE. Punch List Procedures: Contractor shall be given a copy of the punch list with his appropriate work identified. Contractor shall have nine (9) calendar work days to complete its punch list work. On the 10th day or as determined by the Construction Manager, the Construction Manager shall employ other contractors, as required, to complete any incomplete punch list work and retain from the appropriate Contractors retainage all costs incurred.
- AF. Contractor shall provide the necessary safety barricades and railings required to complete their work and comply with all OSHA, local code and contract specifications.
- AG. Prohibition of Using Photographs on EDiS Projects: The Contractor and all associated subcontractors agrees to not issue any news release or advertising pertaining to the Work or the Project, including references to the Project on the Contractor's/subcontractor website or other social media outlets, without obtaining **Owner(DTCC) & EDiS'** prior written approval, in each instance. The Contractor, for itself, its employees, vendors and subcontractors, agrees to not use the name of the **Owner(DTCC), the Project, EDiS** or any photographs, videos, or other images of the Project in connection with any of Contractor's business promotion activities, advertising, website, social media outlets, or operations, without the **Owner(DTCC) & EDiS'** prior written approval in each instance.

CONTRACT NO. A-01 - GENERAL WORK

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 00	Procurement and Contracting Requirements
Division 01	General Requirements
Division 02	Concrete
Division 04	Masonry
Division 05	Metals
Division 07	Thermal and Moisture Protection
Division 08	Openings
Division 09	Finishes

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide labor and materials to perform the work related to all carpentry and general work, including all demolition and removal from site all associated materials and debris associated with new masonry wall opening.
2. Furnish and install all new aluminum, FRP and metal doors, windows and frames, including receipt of doors and frames at the curb side.
3. All field trimming required to adjust to existing conditions.
4. Furnish and install finish hardware related to all doors (aluminum, FRP and hollow metal), including receipt of hardware at the curb side.
5. Furnish and install all transom windows.
6. Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items.
7. This subcontractor shall at a minimum provide and maintain for the length of the project, one temporary fire extinguisher for each Penthouse. Fire extinguishers shall be 10lb, Multi-Purpose (ABC) dry chemical, UL labeled, with a rating of 3a:40bc.
8. This contract includes removal, disposal and patching of masonry walls as indicated on the drawings to accommodate new door openings and openings for installation on New AHU's.
9. This contract includes furnishing and install all required steel angles for new openings.

10. This contract includes all lintels, concrete and/or steel, at new openings.
11. This contract includes all caulking and sealants associated with new and existing masonry doors and openings.
12. Cutting of concrete roof planks at through penetrations for new louvers.
13. Temporary shoring as required or indicated by structural engineer for new roof openings.
14. All required flashings associated with new door, window and louver openings.
15. Temporary protection of openings in roof and penthouse walls and patching of roof at new louver curbs.
16. Provide all masonry patching as required, including patching at demoed louver on exterior wall side in Penthouse #4.
17. Provide all required roof patching at new roof louvers.
18. Provide roof parapet extensions for temporary fall protection for the duration of all work. Existing roof parapet top is approximately 35" off roof elevation.

CONTRACT NO. A-02 - MECHANICAL

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 00	Procurement and Contracting Requirements
Division 01	General Requirements
Division 02	Concrete
Division 05	Metals
Division 08	Openings
Division 21	Fire Suppression
Division 23	HVAC
Division 26	Electrical

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete mechanical, plumbing and piping system as indicated on the Drawings and in the Specifications, including all new ATC controls, wiring, devices and programming. 120V Power to new ATC panels will be provided by Electrical Contractor.
2. Division 26 of the specifications should be reviewed as it relates to the power wiring and other requirements for HVAC equipment including the coordination of furnishing and installing motor starters as provided in the specifications.
3. This Contractor shall be responsible to designate an individual within his organization, intimately familiar with this project and assigned on site, to act as the System Start-up Coordinator. This individual must be pre-approved by the Construction Manager. This individual's responsibilities shall include, but not be limited to, coordinating the start-up of all mechanical equipment, including the coordination between the Electrical Contractor, the Controls Contractor, and all testing, adjusting and balancing work. This individual shall report on a weekly basis, in written form, to the Construction Manager. These reports shall include a summary of current conditions including manufacturers' start-ups, systems' deficiencies noted to date and the remediation of same, coordination issues between trades, system interfacing and forecasting, as necessary to project the completion of each individual system within the building.
4. Provide OSHA compliant, continuous, floor to floor scaffolding at all mechanical shafts for shaft duct replacement. The contractor shall also be responsible for maintaining the scaffold and completing daily safety inspections prior to use.
5. All work taking place in the Mechanical Shaft must be completed without the use of welding, cutting, burning or any other method that has the potential to create an oxygen deficient atmosphere. Both the Mechanical Shaft and Penthouse have been classified as

- non-permitted confined space.
6. All required AHJ Permits, including crane permits.
 7. All piping and duct insulation.
 8. All Penetrations through wall, floors, roof, etc. including cutting, patching and fire safing.
 9. Daily clean up.
 10. All guarantees and warranties to begin at the substantial completion of the entire project. Maintain equipment prior to substantial completion.
 11. All hoisting, rigging and scaffolding, including any required crane permits.
 12. Provide and maintain a complete scaffolding system in duct shafts as required for demolition of existing duct and installation of new ductwork and insulation.
 13. All ATC, including control valves, wiring and programming.
 14. All ductwork, flex duct, grilles and diffusers.
 15. Furnish and Install ALL new Fire Dampers. Fire Alarm Wiring and power by Electrical Contractor.
 16. All louvers, including insect and bird screens, and vents related to HVAC operations.
 17. Coordinate damper size, location and type of damper with architectural drawings.
 18. All required access panels.
 19. As-built drawings.
 20. Removal and disposal of existing fume hood exhaust fans and capping abandoned curbs with aluminum curb caps.
 21. Complete Removal and dispose of all existing Air Handling Units and componants.
 22. Furnish and install all new Air Handling Units, ERU's, Louvers, VFD's, Hydronic Unit Heaters and Elevator Pressurization Fans.
 23. Furnish and installation of all integral drain pans under units.
 24. All required sensors, thermometers flow meters and strainers, etc. as indicated on design drawings.

25. All required Filling, Flushing and Purging of existing hot and chilled water systems.
26. Demo of existing fire sprinkler piping in Penthouses to facilitate all demo work and installation of new fire sprinkler system piping as required for coverage.
27. Disconnect, drain, demo and remove from site ALL HVAC equipment scheduled for removal. Demo and remove exterior Louver/Door Wall as required for new work.

CONTRACT NO. A-02 - AUTOMATIC TEMPERATURE CONTROLS (Included in Mechanical Bid)

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 00	Procurement and Contracting Requirements
Division 01	General Requirements
Division 23	HVAC
Division 26	Electrical
Division 27	Communications
Division 28	Electronic Safety and Security

The ATC Scope of Work is to be included in the Mechanical Contract Bid. This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Automatic temperature controls for equipment whose main purpose include all items in the automatic temperature control scope. Provided, however, that the controls do not directly switch the power lines to the equipment; the wiring of such controls to remain the responsibility under Contract Scope 16000.
2. Environmental controls.
3. Ventilation controls.
4. Cooling controls.
5. Humidification controls.
6. Refrigeration controls.
7. Motorized dampers when not specified as part of the factory packaged equipment supplied to job site for distribution and installation by others.
8. Controls air compressor complete with accessories and insulation.
9. Remote reading gauges, transmitters and recorders for automatic temperature controls.
10. Building centralization controls including centralized temperature, humidity, pressure and flow indication and recorders, centralization of air conditioning, heating, ventilation, humidification and refrigeration equipment operation.
11. Building life safety control and equipment safety control including: operators and controls for motorized smoke dampers, operators and controls for motorized fire dampers, firestats, freeze protection thermostats, shut down safety devices forming part

- of automatic temperature control.
12. Permits as required for work under this contract scope.
 13. Inspections as required under this contract scope.
 14. Electrical thermostats intended for automatic temperature controls complete with subbases or adapter plates to mount on standard electrical box.
 15. Remote reading gauges, transmitters and recorders for automatic temperature control.
 16. Supply only of access doors when specifically required for access to automatic temperature control.
 17. Control wiring and/or air piping required for all automatic temperature controls supplied under this contract scope.
 18. Wiring for remote thermostats and remote prewired auxiliary control panels for packaged equipment.
 19. Boiler feed water control wiring.
 20. The magnetic starter coil and relay coils supplied under contract scope 260000 and intended for automatic temperature controls, including interlocking between starters and/or relays when controlled automatically.
 21. Access panels directly associated with this work if not included by other division.
 22. Exclude direct reading temperature and pressure gauges connected directly to non-potable water systems.
 23. Exclude motorized dampers when specified as integral part of packaged equipment.
 24. Exclude automatic temperature controls when specified as integral part of packaged equipment.
 25. Exclude flow measuring and control devices.
 26. Exclude direct reading temperature and pressure gauges connected directly to refrigeration systems.
 27. Exclude filter gauges directly connected to duct systems.
 28. Electrical wiring for thermostats and controls which directly switch the power line to the equipment (directly shall mean not through magnetic coil) is by Division 260000.

29. 120V Power wiring is by Division 260000.
30. Control power supply outlets are by Division 260000.
31. Exclude fire alarm, fan shut-down, relays and wiring Section 28 46 21.11.
32. Provide power circuit in conduit to feed equipment.
33. Control wiring in conduit for VFD is to be provided by BAS Controls Contractor.
34. VFD's to be supplied by Mechanical Contractor.
35. Power to VFD's is to be supplied by Electrical Contractor.

CONTRACT NO. A-03 – ELECTRICAL-FIRE ALARM

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 00	Procurement and Contracting Requirements
Division 01	General Requirements
Division 23	Mechanical
Division 26	Electrical
Division 27	Communications
Division 28	Electronic Safety and Security(Fire Alarm)

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete electrical system as indicated on the drawings, schedules and in the specifications.
2. Division 23 of the specifications should be reviewed as it relates to the power wiring and other requirements for HVAC equipment including the coordination of furnishing and installing motor starters and controllers as detailed in the Specifications and on the Drawings.
3. This section includes all Automatic Temperature Controls except where specifically excluded. This contract will provide 120V power to ATC Control Cabinets.
4. This contract is to include all new Fire Alarm work associated with new AHU's.
5. Temporary electric installation, maintenance and removal. Refer to Division 1, Specification Section 015113 - TEMPORARY ELECTRIC, for specific scope. This contract will provide, maintain and demo when complete temporary power outlets and lighting as required in each Penthouse and duct shaft.
6. Permits and inspections.
7. Penetrations through walls, floors, etc. including cutting, patching and fire safing.
8. All required demolition and removal of electrical power and gear to all existing HVAC equipment scheduled for demolition, including disconnecting the temporary power from generator.
9. Daily clean up.
10. All guarantees and warranties to begin at the substantial completion of the entire project.

- Maintain equipment prior to substantial completion.
11. Hoisting, rigging and scaffolding.
 12. Provide all primary service work, including all utility company related costs/fees for this work.
 13. Provide a complete fire alarm system including wiring and programming of all new smoke and fire alarm devices associated with new AHU equipment.
 14. As-built drawings.
 15. Provide rough-in and final connection and related work for equipment provided under other contracts (i.e. HVAC, motorized doors, etc.).
 16. Provide temporary disconnect and reconnect to emergency generator.
 17. Reinstall existing lightning protection aerial associated grounding and other components after new roofing work is completed.
 18. Disconnect and remove existing power and control circuiting at fans.
 19. Junction boxes.
 20. Disconnect switches for mechanical equipment.
 21. Provide control and/or power wiring in conduit from duct detectors to VFD's and the building's fire alarm control panel and to all new Fire Dampers.
 22. Provide power wiring for ATC control panel.
 23. Provide power to duct mounted smoke detectors.
 24. Communications copper backbone cabling, hardware, patch panels and cross connects.
 25. Fiber Optic cabling, hardware, patch panels and cross connects.
 26. Provide software service for Communication System for 2 years from substantial completion.
 27. Provide temporary and permanent lighting.
 28. Control wiring in conduit for VFD is to be provided by BAS controls contractor.
 29. Power to VFD's will be included in this contract.

30. Excluded – Provide and install VFD's.