

**Union County Government Complex  
For Union County Improvement Authority  
Elizabeth, Union County, NJ**

**Addendum Date:  
12-22-23**

**Project No.: 20.072**

**Project Dated: 11-08-23**

The original specifications and drawings, for the project noted above have been amended as noted in this Addendum. Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Form of Proposal.

**I. THIS ADDENDUM CONSISTS OF THE FOLLOWING :**

Number of Pages: **25 pages** (Including the cover page, description of Addendum, and divider pages)

Included:

- Bidder Questions 5 pages
- Specifications 10 pages
- Vol 2 Drawings List of Revised sheets 5 pages
- Revised Drawings Volume 1 and Volume 2 \*

*(items with \* submitted as a separate attachment)*

**II. RESPONSE TO REQUESTS FOR INFORMATION (RFIs)**

1. (3) RFI received since last Addendum
2. (5) RFIs are responded to with this Addendum
  - a. TERMINAL RFI 001 and 004
  - b. HALL RFI 001, 002 and 003
3. All RFIs have been addressed at this time.

**III. SPECIFICATIONS:**

1. Clarification:

**Strike Section 270500 from the bid documents.** GC scope of work related to Audio Visual / Telecom / Security scope is limited to conduit pathways, backboxes and hangers.

Section 212200 Clean-Agent Fire Extinguishing Systems – section added.

**IV. DRAWINGS:**

1. (19) Architectural Drawings:
  - (3) VOLUME 1 – Lighting Fixture Tags updated on sheets AS-101, CS-108, CS-118
  - (16) VOLUME 2 – Lighting Fixture Tags updated on RCPs; sheet A-820 revised.
  - Note: Lighting Fixture Schedule has been added to A1-200 for reference and will be added to E-501 in future Addendum.*
2. (0) Civil Drawings – clarification: strike fixture ‘D’ from LL101, use fixture ‘G’ specified on Architectural plans.
3. (31) Mechanical Drawings – refer to drawing list narrative.
4. (04) Plumbing Drawings - refer to drawing list narrative.
5. (18) Fire Protection – refer to drawing list narrative.
6. (04) Electrical Drawings – refer to drawing list narrative.
7. Drawings are clouded where edits occurred.

**End of Addendum Description**

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## **BIDDER QUESTIONS**

**EXHIBIT G-5**

**REQUEST FOR INFORMATION (RFI)**

**PROJECT: UNION COUNTY GOVERNMENT COMPLEX**

RFI Number <b>1</b>	Contractor Terminal Construction Corporation	
Description:		
NOTE _ AUTHOR SHALL PROVIDE REFERENCED DRAWING/ SPEC/ LOCATION		
Referenced Doc; Drawing - # <b>A7021</b>	Spec - #	Other;
Question :		
<p>Drawing A702 - Volume 2: shows door type J which is a smoke screen and states Building #2 Elevator Doors; however, there isn't anything shown in the door schedule for this door type. Please provide the sizes and quantities of this door that are required.</p>		
Issued By : <b>Joseph Zahuta</b> Senior Vice President / Chief Estimator of Terminal Construction		Date <b>12/5/2023</b>
Response :		
<p>Building 2 is a high-rise by code and requires smoke curtains at the elevators. The clear opening of the elevator doors is 4'-0"W X 7'-0"H. Smoke curtain shall extent to cover that opening.</p> <p>Review the plans for the quantity of openings. Varies by floor as some levels have front and rear openings for elevators.</p> <p>Refer to Section 083343 for additional smoke curtain requirements.</p>		
By: <b>J.MaslerBeach</b>	Date	<input type="checkbox"/> <input type="checkbox"/>
Firm: <b>DIG</b>	<b>12/22/23</b>	
Dist: <b>Jaime Masler</b> <a href="mailto:jmasler@digrouparchitecture.com">jmasler@digrouparchitecture.com</a> <b>Troy Marziotti</b> <a href="mailto:tmarzziotti@mastconstruction.com">tmarzziotti@mastconstruction.com</a> <b>Bibi Taylor</b> <a href="mailto:btaylorUCIA@ucnj.org">btaylorUCIA@ucnj.org</a> <b>Leslie London</b> <a href="mailto:llondon@msbnj.com">llondon@msbnj.com</a>		
	Date	

**EXHIBIT G-5**

**REQUEST FOR INFORMATION (RFI)**

**PROJECT: UNION COUNTY GOVERNMENT COMPLEX**

RFI Number <b>4</b>	Contractor Terminal Construction Corporation	
Description:		
NOTE _ AUTHOR SHALL PROVIDE REFERENCED DRAWING/ SPEC/ LOCATION		
Referenced Doc; Drawing - #A1-801, A2-810 Spec - #	Other;	
Question :		
<p>There are several finish items on the drawings that are not itemized in the finish schedule:                  PTB-3A as on drawing A1-801 room 1110, 1113; PT-3B room 1112; PTB-3H on drawing A2-810 rooms 2000, 2001, etc. Please provide these finishes.</p>		
Issued By : <b>Joseph Zahuta</b> Senior Vice President / Chief Estimator of Terminal Construction		Date <b>12/5/2023</b>
Response :		
<p><b>DRAWING A-820 (FINISH SPECIFICATIONS) WILL BE REISSUED WITH ADDENDUM WITH ADDITIONAL FINISHES.</b></p>		
By: <b>J.MaslerBeach</b>	Date <b>12/22/23</b>	<input type="checkbox"/> <input type="checkbox"/>
Firm: <b>DIG</b>		
Dist: <b>Jaime Masler</b> <a href="mailto:jmasler@digrouparchitecture.com">jmasler@digrouparchitecture.com</a> <b>Troy Marziotti</b> <a href="mailto:tmarziotti@mastconstruction.com">tmarziotti@mastconstruction.com</a> <b>Bibi Taylor</b> <a href="mailto:btaylorUCIA@ucnj.org">btaylorUCIA@ucnj.org</a> <b>Leslie London</b> <a href="mailto:llondon@msbnj.com">llondon@msbnj.com</a>		
	Date	

**EXHIBIT G-5**

**REQUEST FOR INFORMATION (RFI)**

**PROJECT: UNION COUNTY GOVERNMENT COMPLEX**

<b>RFI Number</b>	1	<b>Contractor</b>	Hall Construction Co., Inc.	
<b>Description:</b> New Union County Government Complex Project				
<b>NOTE _ AUTHOR SHALL PROVIDE REFERENCED DRAWING/ SPEC/ LOCATION</b>				
<b>Referenced Doc;</b>		<b>Other;</b>		
<b>Drawing - #</b>	<b>Spec - #</b>			
<b>Question :</b> 1. Agreement article 6.8 – Security Plan states “One (1) security guard to be present at the Project Site at all times when the Contractor is not on Site.” Please confirm full-time off-hours security is required.				
<b>Issued By :</b> Peter N. Egan, Hall Construction Co., Inc.				<b>Date</b> 12-20-23
<b>Response :</b>  Yes. Full-time off-hours security is required.  As per the Agreement article 6.8 – Security Plan in the Bid Package, One Security Guard to be present at the Project Site at all times when the Contractor is not on site.				
<b>By:</b>	Troy Marziotti	<b>Date</b>	12/22/23	<input type="checkbox"/>
<b>Firm:</b>	MAST			<input type="checkbox"/>
<b>Dist:</b>	Jaime Masler <a href="mailto:jmasler@digrouparchitecture.com">jmasler@digrouparchitecture.com</a> Troy Marziotti <a href="mailto:tmarziotti@mastconstruction.com">tmarziotti@mastconstruction.com</a> Bibi Taylor <a href="mailto:btaylorUCIA@ucnj.org">btaylorUCIA@ucnj.org</a> Leslie London <a href="mailto:llondon@msbnj.com">llondon@msbnj.com</a>			
		<b>Date</b>		

**EXHIBIT G-5**

**REQUEST FOR INFORMATION (RFI)**

**PROJECT: UNION COUNTY GOVERNMENT COMPLEX**

<b>RFI Number</b>	2	<b>Contractor</b>	Hall Construction Co., Inc.	
<b>Description:</b>				
New Union County Government Complex Project				
<b>NOTE _ AUTHOR SHALL PROVIDE REFERENCED DRAWING/ SPEC/ LOCATION</b>				
<b>Referenced Doc;</b>		<b>Other;</b>		
<b>Drawing - #</b>	<b>Spec - #</b>			
<b>Question :</b>				
1. Agreement article 3.6.1 states “The Contractor shall obtain and pay for all permits”; please advise if the fee has been waived by Union County or provide the fee schedule for this project.				
<b>Issued By :</b>				<b>Date</b>
Peter N. Egan, Hall Construction Co., Inc.				12-20-23
<b>Response :</b>				
BUILDING PERMIT FEES, IF ANY, WILL BE PAID FROM ALLOCATED ALLOWANCE IN THE CONTRACTORS LUMP SUM BID PROPOSAL AMOUNT.				
<b>By:</b>	T. Marziotti	<b>Date</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Firm:</b>	MAST	12/22/23		
<b>Dist:</b>	<b>Jaime Masler</b> <a href="mailto:jmasler@digrouparchitecture.com">jmasler@digrouparchitecture.com</a> <b>Troy Marziotti</b> <a href="mailto:tmarziotti@mastconstruction.com">tmarziotti@mastconstruction.com</a> <b>Bibi Taylor</b> <a href="mailto:btaylorUCIA@ucnj.org">btaylorUCIA@ucnj.org</a> <b>Leslie London</b> <a href="mailto:llondon@msbnj.com">llondon@msbnj.com</a>			
		<b>Date</b>		

**EXHIBIT G-5**

**REQUEST FOR INFORMATION (RFI)**

**PROJECT: UNION COUNTY GOVERNMENT COMPLEX**

<b>RFI Number</b>	3	<b>Contractor</b>	Hall Construction Co., Inc.	
<b>Description:</b>				
New Union County Government Complex Project				
<b>NOTE _ AUTHOR SHALL PROVIDE REFERENCED DRAWING/ SPEC/ LOCATION</b>				
<b>Referenced Doc;</b>		<b>Other;</b>		
<b>Drawing - #</b>	<b>Spec - #</b>			
<b>Question :</b>				
Section 142100 – Traction Elevators Part 1.6.A.1. states to carry \$45,000 per cab f or interior cab finishes; please advise if this is in addition to or part of the contingency allowance of \$3,270,000.				
<b>Issued By :</b>				<b>Date</b>
Peter N. Egan, Hall Construction Co., Inc.				12-21-23
<b>Response :</b>				
Elevator finishes allowance is NOT part of the Contingency Allowance.				
<b>By:</b>	J.MaslerBeach	<b>Date</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Firm:</b>	DIG	12/22/23		
<b>Dist:</b>	<b>Jaime Masler</b> <a href="mailto:jmasler@digrouparchitecture.com">jmasler@digrouparchitecture.com</a> <b>Troy Marziotti</b> <a href="mailto:tmarziotti@mastconstruction.com">tmarziotti@mastconstruction.com</a> <b>Bibi Taylor</b> <a href="mailto:btaylorUCIA@ucnj.org">btaylorUCIA@ucnj.org</a> <b>Leslie London</b> <a href="mailto:llondon@msbnj.com">llondon@msbnj.com</a>			
		<b>Date</b>		

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## **SPECIFICATIONS**



## **SECTION 212200 CLEAN-AGENT FIRE-EXTINGUISHING SYSTEMS**

### PART 1 – GENERAL

#### 1.1 SCOPE

- A. This specification outlines the requirements for a "Total Flood" Clean Agent Fire Suppression System with automatic detection and control. The work described in this specification includes all engineering, labor, materials, equipment, and service necessary and required, to complete and test the suppression system.

#### 1.2 APPLICABLE STANDARDS AND PUBLICATIONS

- A. The design, equipment, installation, testing, and maintenance of the Clean Agent Suppression System shall be in accordance with the applicable requirements set forth in the latest edition of the following codes and standards:
  1. National Fire Protection Association (NFPA) Standards:
    - a. NFPA 2001: Standard on Clean Agent Fire Extinguishing Systems
    - b. NFPA 70: National Electrical Code
    - c. NFPA 72: National Fire Alarm and Signaling Code
    - d. NFPA 75: Standard for the Fire Protection of Information Technology Equipment
    - e. NFPA 76: Standard for the Fire Protection of Telecommunications Facilities
  2. Factory Mutual Systems (FM) Publication
    - a. Factory Mutual Approval Guide
  3. Underwriters Laboratories, Inc. (UL) Publication
    - a. UL 217: Standard for Single and Multiple Station Smoke Alarms
    - b. UL 228: Standard for Door Closers-Holders, With or Without Integral Smoke Detectors
    - c. UL 268: Smoke Detectors for Fire Alarm Systems
    - d. UL 268A: Standard for Smoke Detectors for Duct Application
    - e. UL 521: Standard for Heat Detectors for Fire Protective Signaling Systems
    - f. UL 864: Standard for Control Units and Accessories for Fire Alarm Systems
    - g. UL 1638: Standard for Visual Signaling Appliances - Private Mode
    - h. UL 1971: Standard for Signaling Devices for Hearing Impaired
  4. Department of Transportation (DOT)
    - a. Title 49 Code of Federal Regulations Parts 100 to 199 Transportation of Hazardous Materials, DOT3AAZ300 or 3AAZ15T
  5. National Electrical Manufacturers Association (NEMA) Publication
    - a. Enclosures for Industrial Controls and Systems
  6. U.S. Environmental Protection Agency, Protection of Stratospheric Ozone 59 FR 13044, March 18, 1994 (Final SNAP Ruling)
  7. Industrial Risk Insurers (IRI) Interpretive Guide (Detection and Controls)
  8. Requirements of the Authority Having Jurisdiction (AHJ)
  9. Manufacturer's Design, Installation, Operation, and Maintenance Manual
  10. The system complete shall have the following applicable listings and approvals
    - a. Underwriters Laboratories Inc.

b. Factory Mutual Global

- B. The standards listed, as well as all other applicable codes, standards, and good engineering practices, shall be used as "minimum" design standards.

1.3 REQUIREMENTS

- A. This installation shall be made in strict accordance with the drawings, specifications and applicable NFPA Standards. All equipment and devices used shall be listed by the standardizing agencies (UL and/or FM).
- B. Design and installation of the fire detection/fire suppression system will be in strict accordance with the following guidelines and regulatory agencies:
1. NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems
  2. NFPA 72 National Fire Alarm and Signaling Code, Latest Edition
  3. NFPA 70 National Electrical Code, Latest Edition
  4. Americans with Disabilities Act, Title 24, Latest Edition

1.4 EXCLUSIONS

- A. The work listed below shall be provided by others, or under other sections of this specification:
1. 120 VAC or 220 VAC power supply to the system control panel.
  2. Interlock wiring and conduit for shutdown of HVAC, dampers and/or electric power supplies, relays or shunt trip breakers.

1.5 QUALITY ASSURANCE

A. MANUFACTURER:

1. The manufacturer of the suppression system hardware and detection components shall be ISO 9001 registered.
2. The manufacturer brand name shall appear on all major components.
3. All devices, components, and equipment shall be the products of the same manufacturer, or supplied by the same manufacturer.
4. All devices, components, and equipment shall be new, standard products of the manufacturer's latest design and suitable to perform the functions intended.
5. All devices and equipment shall be UL listed and/or FM approved.
6. Locks for all cabinets shall be keyed alike.

B. INSTALLER:

1. The installing contractor shall be trained by the supplier to design, install, test, and maintain fire suppression systems.
2. When possible, the installing contractor shall employ a NICET certified special hazard designer, Level II or above, who will be responsible for this project.
3. The installing contractor shall be an experienced firm regularly engaged in the installation of automatic clean agent, or similar, fire suppression systems, in strict accordance with all applicable codes and standards.
4. The installing contractor must have a minimum of five years experience in the design, installation, and testing, of clean agent, or similar fire suppression systems. A list of systems of a similar nature and scope shall be provided on request.

5. The installing contractor shall show evidence the company carries a minimum \$2 million liability and completed operations insurance policy. These limits shall supersede limits required in the general conditions of the specifications.
6. The installing contractor shall maintain, or have access to, a clean agent recharging station. The installing contractor shall provide proof of his ability to recharge the largest clean agent system within 24 hours after a discharge. Include the amount of bulk agent storage available.
7. The installing contractor shall be an authorized stocking distributor of the clean agent system equipment so that immediate replacement parts are available from inventory.
8. The installing contractor shall show proof of emergency service available 24 hours a day, 7 days a week.

C. SUBMITTALS:

1. The installing contractor shall submit the following design information and drawings for approval prior to starting work on this project:
  - a. Field installation layout drawings having a scale of not less than 1/8 in. = 1 ft.- 0 in. or 1:100 detailing the location of all agent storage tanks, nozzles, pipe runs, including pipe sizes and lengths, control panel(s), detectors, manual pull stations, abort stations, audible and visual alarms, etc.
  - b. Auxiliary details and information such as maintenance panels, door holders, special sealing requirements, and equipment shutdown.
  - c. Separate layouts, or drawings, shall be provided for each level, (i.e.; room, sub floor, and above ceiling) and for mechanical and electrical work.
  - d. Electrical layout drawings shall show the location of all devices and include point-to-point conduit runs and a description of the method(s) used for detector mounting.
  - e. Provide an internal control panel wiring diagram which shall include power supply requirements and field wiring termination points.
  - f. Separate drawing providing symbol legend and identifying all symbols used.
  - g. Annunciator wiring schematics and dimensioned display panel illustration shall be provided. (Optional device)
  - h. Complete hydraulic flow calculations, from a UL listed computer program, shall be provided for all engineered clean agent systems. Calculation sheet(s) must include the manufacturer's name and UL listing number for verification. The individual sections of pipe and each fitting to be used, as shown on the isometrics, must be identified and included in the calculation. Total agent discharge time must be shown and detailed by zone.
  - i. Provide calculations for the battery stand-by power supply, taking into consideration the power requirements of all alarms, initiating devices, and auxiliary components under full load conditions.
  - j. A complete sequence of operation shall be submitted detailing all alarm devices, shutdown functions, remote signaling, damper operation, time delay, and agent discharge for each zone or system.
2. Submit drawings, calculations and system component sheets for approval to the local fire prevention agency, owner's insurance underwriter, and all other authorities having jurisdiction before starting installation. Submit approved plans to the architect/engineer for record.

## PART 2 – SYSTEM REQUIREMENTS

### 2.1 SYSTEM DESCRIPTION AND OPERATION

- A. The system shall be a Total Flood Clean Agent Fire Suppression System.
- B. The system shall provide a NOVEC 1230 agent or approved equal, minimum design concentration of 4.5% by volume for Class A hazards and a minimum of 5.85% by volume for Class B hazards in all areas and/or protected spaces, at the minimum anticipated temperature within the protected area. System design shall not exceed 10% for normally occupied spaces, adjusted for maximum space temperature anticipated, with provisions for room evacuation before agent release.
- C. The system shall be complete in all ways. It shall include a mechanical and electrical installation, all detection and control equipment, agent storage containers, agent, discharge nozzles, pipe and fittings, manual release and abort stations, audible and visual alarm devices, auxiliary devices and controls, shutdowns, alarm interface, advisory signs, functional checkout and testing, training, and any other operations necessary for a functional UL listed Clean Agent suppression system.
- D. Provide two inspections during the first year of service: Inspections shall be made at 6-month intervals commencing when the system is first placed into normal service.
- E. The general contractor shall be responsible for sealing and securing the protected spaces against agent loss and/or leakage during the 10-minute "hold" period.
- F. The system(s) shall be actuated by photoelectric detectors installed for maximum area coverage of 250 ft<sup>2</sup> (23.2 m<sup>2</sup>) per detector, in the room, under the floor, and above the ceiling protected spaces. If the airflow is one air change per minute, photoelectric detectors only shall be installed for maximum area coverage of 125 ft<sup>2</sup> (11.6 m<sup>2</sup>) per detector (Reference NFPA 72).
- G. Detectors shall be Cross-Zoned detection requiring two detectors to be in alarm before release.
- H. Automatic operation of each protected area shall be as follows:
  1. Actuation of one detector, within the system, shall:
    - a. Illuminate the "ALARM" lamp on the control panel face.
    - b. Energize an alarm bell.
    - c. Transfer auxiliary contacts, which can perform auxiliary system functions such as: Operate door holder/closures on access doors; Transmit a signal to a fire alarm system; Shutdown HVAC equipment.
    - d. Light an individual lamp on an optional annunciator.
  2. Actuation of a 2nd detector, within the system, shall:
    - a. Illuminate the "PRE-DISCHARGE" lamp on the control panel face.
    - b. Energize a pre-discharge horn/strobe device.
    - c. Shut down the HVAC system and/or close dampers.
    - d. Start time-delay sequence (not to exceed 60 seconds).
    - e. System abort sequence is enabled at this time.
    - f. Light an individual lamp on an optional annunciator.
  3. After completion of the time-delay sequence, the Clean Agent system shall discharge and the following shall occur:
    - a. Illuminate a "SYSTEM FIRED" lamp on the control panel face.

- b. Shutdown of all power to high-voltage equipment.
  - c. Energize a visual indicator(s) outside the hazard in which the discharge occurred.
  - d. Energize a "System Fired" audible device. (Optional)
4. The system shall be capable of being actuated by manual discharge devices located at each hazard exit. Operation of a manual device shall duplicate the sequence description above except that the time delay and abort functions shall be bypassed. The manual discharge station shall be of the electrical actuation type and shall be supervised at the main control panel.

## 2.2 MATERIAL AND EQUIPMENT

### A. GENERAL REQUIREMENTS:

1. The clean agent system materials and equipment shall be standard products of the supplier's latest design and suitable to perform all functions intended. When one or more pieces of equipment must perform the same function(s), they shall be duplicates produced by one manufacturer.
2. All devices and equipment shall be UL Listed and/or FM approved.
3. Each system shall have its own supply of clean agent.
4. The system design can be modular, central storage, or a combination of both design criteria.
5. Systems shall be designed in accordance with the manufacturer's guidelines.
6. Each supply shall be located within the hazard area, or as near as possible, to reduce the amount of pipe and fittings required to install the system.
7. The clean agent shall be stored in storage tanks. Tanks shall be super-pressurized with dry nitrogen to an operating pressure of 360 psi at 70 °F (24.8 bar at 21 °C). Tanks shall be of high-strength low alloy steel construction and conforming to NFPA 2001.
8. Tanks (master) shall be actuated by either a resettable electric actuator or by pneumatic means from a nitrogen cartridge located in the releasing device. Explosive devices shall not be permitted.
9. Each tank shall have a pressure gauge and low pressure switch (optional) to provide visual and electrical supervision of the container pressure. The low-pressure switch shall be wired to the control panel to provide audible and visual "Trouble" alarms in the event the container pressure drops below 290 psi (20 bar). The pressure gauge shall be color coded to provide an easy, visual indication of container pressure.
10. Tanks shall have a pressure relief provision that automatically operates before the internal nominal pressure exceeds 730 psi (50 bar).
11. Engineered discharge nozzles shall be provided within the manufacturer's guidelines to distribute the agent throughout the protected spaces. The nozzles shall be designed to provide proper agent quantity and distribution. Nozzles shall be available in 1/2 in. through 2 in. pipe sizes. Each size shall be available in 180° and 360° distribution patterns.
12. Distribution piping and fittings shall be installed in accordance with the manufacturer's requirements, NFPA 2001, and approved piping standards and guidelines. All distribution piping shall be installed by qualified individuals using accepted practices and quality procedures. All piping shall be adequately supported and anchored at all directional changes and nozzle locations.
  - a. All piping shall be reamed, blown clear and swabbed with suitable solvents to remove burrs, mill varnish, and cutting oils before assembly.
  - b. All pipe threads shall be sealed with Teflon tape pipe sealant applied to the male thread only.

B. AGENT:

1. The fire suppression agent shall be 3M NOVEC 1230 Fire Protection Fluid, or approved equal.
2. Agent shall not contain any Hydrofluorocarbons (HFC).

C. CONTROL PANEL:

1. The detection control system and its components shall be UL listed and FM approved for use as a local fire alarm system with releasing device service.
2. The control system shall perform all functions necessary to operate the system detection, actuation, and auxiliary functions.
3. The control system shall include battery standby power to support 24 hours in standby and 5 minutes in alarm.
4. The control system shall be microprocessor based, utilizing a distributed processing concept. A single microprocessor failure shall not impact operation of additional modules in the system.
5. The control system shall be capable of supporting Cross Zoned Detection.
6. The control system shall supply integrated 2.0 amp (minimum) power supply circuitry.
7. Each control system shall contain four initiating circuits:
  - a. Each circuit shall be capable of Class A (Style D) or Class B (Style A) operation.
  - b. Each circuit shall be capable of operating up to 30 approved detectors per system.
  - c. Each circuit shall be capable of monitoring contact devices configured for manual release, manual alarm, system abort, trouble input or auxiliary (non-fire) input.
8. Each control system shall contain release circuits for activation of a fire suppression system(s):
  - a. Each circuit shall be capable of Class B (Style Y) operation.
  - b. Each circuit shall be rated for a minimum of 1.5 amp @ 24 VDC.
9. Each control system shall contain two indicating appliance circuits for annunciation:
  - a. Each circuit shall be capable of Class A (Style B) or Class B (Style Y) operation.
  - b. Each circuit shall be rated for a minimum of 1.5 amp @ 24 VDC.
10. Each control system shall provide an auxiliary power supply rated for 750 mA @ 24 VDC.
11. Each control system shall provide two (2) SPST relays: one for common alarm and one for common trouble. Four additional programmable relays can be added to each control system by adding a relay module.

D. DETECTORS:

1. The detectors shall be spaced and installed in accordance with the manufacturer's specifications and the guidelines of NFPA 72.
2. The photoelectric detector shall be an ANSUL model or approved equal.

E. MANUAL RELEASE (ELECTRIC):

1. The electric manual release shall be a dual action device which provides a means of manually discharging the suppression system when used in conjunction with the detection system.
2. The manual release shall be an ANSUL model or approved equal.
3. The manual release or manual pull station shall be a dual action device requiring two distinct operations to initiate a system actuation.
4. Manual actuation shall bypass the time delay and abort functions and shall cause all release and shutdown devices to operate in the same manner as if the system had operated automatically.

5. Manual release shall be located at each exit from the protected hazard area.
- F. ABORT STATION (Optional):
1. The optional abort station shall be the "Dead Man" type and shall be located next to each manual release.
  2. The abort station shall be an ANSUL model or approved equal.
  3. The abort station shall be supervised and shall indicate a trouble condition at the control panel, if depressed, and no alarm condition exists.
  4. "Locking" or "Keyed" abort stations shall not be permitted.
- G. AUDIBLE AND VISUAL ALARMS:
1. Alarm audible and visual signal devices shall operate from the control panel.
  2. The alarm bell, alarm horn, and horn strobe devices shall be an ANSUL model or approved equal.
  3. The visual alarm unit shall be an ANSUL strobe device or approved equal.
  4. A strobe device shall be placed outside, and above, each exit door from the protected space. Provide an advisory sign at each light location.
- H. CAUTION AND ADVISORY SIGNS:
1. Signs shall be provided to comply with NFPA 2001 and the recommendations of the equipment provider.
    - a. Entrance sign: one required at each entrance to a protected space.
    - b. Manual discharge sign: one required at each manual release station.
    - c. Flashing light sign: one required at each flashing light over each exit from a protected space.
- I. SYSTEM AND CONTROL WIRING:
1. All system wiring shall be furnished and installed by the contractor.
  2. All wiring shall be installed in electrical metallic tubing (EMT), or conduit, and must be installed and kept separate from all other building wiring.
  3. All system components shall be securely supported independent of the wiring. Runs of conduit and wiring shall be straight, neatly arranged, properly supported, and installed parallel and perpendicular to walls and partitions.
  4. The sizes of the conductors shall be those specified by the manufacturer. Color-coded wire shall be used. All wires shall be tagged at all junction points and shall be free from shorts, earth connections (unless so noted on the system drawings), and crosses between conductors. Final terminations between the control panel and the system field wiring shall be made under the direct supervision of a factory-trained representative.
  5. All wiring shall be installed by qualified individuals, in a neat and workmanlike manner, to conform to the National Electrical Code (NFPA 70), Article 725 and Article 760, except as otherwise permitted for limited energy circuits, as described in NFPA 72 (National Fire Alarm and Signaling Code). Wiring installation shall meet all local, state, province, and/or country codes.
  6. The complete system electrical installation and all auxiliary components shall be connected to earth ground in accordance with the National Electrical Code.

## PART 3 – TESTING AND DOCUMENTATION

### 3.1 SYSTEM INSPECTION AND CHECKOUT

- A. After the system installation has been completed, the entire system shall be checked out, inspected, and functionally tested by qualified, trained personnel, in accordance with the manufacturer's recommended procedures and NFPA standards.
  - 1. All containers and distribution piping shall be checked for proper mounting and installation.
  - 2. All electrical wiring shall be tested for proper connection, continuity and resistance to earth.
  - 3. The complete system shall be functionally tested, in the presence of the owner or his representative, and all functions, including system and equipment interlocks, must be operational at least five days prior to the final acceptance tests.
  - 4. Each detector shall be tested in accordance with the manufacturer's recommended procedures and test values recorded.
  - 5. All system and equipment interlocks, such as door release devices, audible and visual devices, equipment shutdowns, local and remote alarms, etc. shall function as required and designed.
  - 6. Each control panel circuit shall be tested for trouble by inducing a trouble condition into the system.

### 3.2 TRAINING REQUIREMENTS

- A. Prior to final acceptance, the installing contractor shall provide operational training to each shift of the owner's personnel. Each training session shall include control panel operation, manual and (optional) abort functions, trouble procedures, supervisory procedures, auxiliary functions and emergency procedures.

### 3.3 OPERATION AND MAINTENANCE

- A. Prior to final acceptance, the installing contractor shall provide four complete operation and maintenance instruction manuals to the owner. All aspects of system operation and maintenance shall be detailed, including piping isometrics, wiring diagrams of all circuits, a written description of the system design, sequence of operation and drawing(s) illustrating control logic and equipment used in the system. Checklists and procedures for emergency situations, troubleshooting techniques, maintenance operations and procedures shall be included in the manual.

### 3.4 AS-BUILT DRAWINGS

- A. Upon completion of each system, the installing contractor shall provide four copies of system As-built drawings to the owner. The drawings shall show actual installation details including all equipment locations (i.e., control panel(s), agent container(s), detectors, alarms, manual pull station(s), and abort switch(s), etc.), as well as piping and conduit routing details. Show all room or facilities modifications, including door and/or damper installations completed. One copy of reproducible engineering drawings shall be provided reflecting all actual installation details.



### 3.5 ACCEPTANCE TEST

- A. At the time As-built drawings and maintenance/operations manuals are submitted, the installing contractor shall submit a "Test Plan" describing procedures to be used to test the control system(s). The Test Plan shall include a step-by-step description of all tests to be performed and shall indicate the type and location of test apparatus to be employed. The tests shall demonstrate that the operational and installation requirements of this specification have been met. All tests shall be conducted in the presence of the owner or owner's representative and shall not be conducted until the Test Plan has been approved.
- B. The tests shall demonstrate that the entire control system functions as designed and intended. All circuits shall be tested: automatic actuation and manual actuation, HVAC and power shutdowns, audible and visual alarm devices, and manual override of abort functions. Supervision of all control panel circuits, including AC power and battery power supplies, shall be tested and qualified.
- C. A room pressurization test shall be conducted in each protected space to determine the presence of openings, which would affect the agent concentration levels. The test(s) shall be conducted using the Retrotec Inc. Door Fan system, or approved equivalent, with integrated computer program. All testing shall be in accordance with NFPA 2001.
- D. If room pressurization testing indicates that openings exist which would result in leaks and/or loss of the extinguishing agent, the installing contractor shall be responsible for coordinating the proper sealing of the protected space(s) by the general contractor or his sub-contractor or agent. The general contractor shall be responsible for adequately sealing all protected space(s) against agent loss or leakage. The installing contractor shall inspect all work to ascertain that the protected space(s) have been adequately and properly sealed. **THE SUPPRESSION SYSTEM INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUCCESS OF THE ROOM PRESSURIZATION TESTS.** If the first room pressurization test is not successful, in accordance with these specifications, the installing contractor shall direct the general contractor to determine, and correct, the cause of the test failure. The installing contractor shall conduct additional room pressurization tests, at no additional cost to the owner, until a successful test is obtained. Copies of successful test results shall be submitted to the owner for his record. Upon acceptance by the owner, the completed system(s) shall be placed into service.

### 3.6 SYSTEM INSPECTIONS

- A. During the one-year warranty period, the installing contractor shall provide two inspections of each system installed under this contract. The first inspection shall be at the 6-month interval, and the second inspection at the 12-month interval. Inspections shall be conducted in accordance with the manufacturer's guidelines and the recommendations of NFPA 2001.
- B. Documents certifying satisfactory system(s) inspection shall be submitted to the owner upon completion of each inspection.

**3.7 WARRANTY**

- A. All system components furnished and installed under this contract shall be warranted against defects in design, materials and workmanship for the full warranty period which is standard with the manufacturer, but in no case less than one (1) year from the date of system acceptance.

**END OF SECTION**

Union County Government Complex  
For Union County Improvement Authority  
Elizabeth, Union County, NJ

Addendum Date:  
12-22-23

Project No.: 20.072

Project Dated: 11-08-23

The original specifications and drawings, for the project noted above have been amended as noted in this Addendum. Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Form of Proposal.

## **REVISED DRAWINGS LIST**

List of revised drawings with description of revisions follows.

SHEET NO.	SHEET NAME	CHANGES MADE
G-000	Cover Sheet Volume 2	
G-002	DRAWING LIST VOL. 2 - 2 OF 3 (NOTE: SHEET G-001 IS DRAWINGS LIST OF VOL 1)	
G-003	DRAWING LIST VOL. 2 - 3 OF 3	
<b>ARCHITECTURE - FIT OUT</b>		
A1-100	BUILDING NO. 1 - LEVEL 0 - UNDERGROUND PLAN	
A1-101	BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR PLAN	
A1-102	BUILDING NO. 1 - LEVEL 2 - FLOOR PLAN	
A1-103	BUILDING NO. 1 - LEVEL 3 - FLOOR PLAN	
A1-104	BUILDING NO. 1 - LEVEL 4 - FLOOR PLAN	
A1-105	BUILDING NO. 1 - LEVEL 5 - FLOOR PLAN	
A1-106	BUILDING NO. 1 - LEVEL 6 - PENTHOUSE AND EMR FLOOR PLAN	
A2-110	BUILDING NO. 2 - LEVEL 0 - GROUND FLOOR PLAN	
A2-111	BUILDING NO. 2 - LEVEL 1 - FLOOR PLAN	
A2-112	BUILDING NO. 2 - LEVEL 2 - FLOOR PLAN	
A2-113	BUILDING NO. 2 - LEVEL 3 - FLOOR PLAN	
A2-114	BUILDING NO. 2 - LEVEL 4 - FLOOR PLAN	
A2-115	BUILDING NO. 2 - LEVEL 5 - FLOOR PLAN	
A2-116	BUILDING NO. 2 - LEVEL 6 - FLOOR PLAN	
A2-117	BUILDING NO. 2 - LEVEL 7 - PENTHOUSE AND EMR FLOOR PLAN	
A1-200	BUILDING NO. 1 - LEVEL 0 - UNDERGROUND REFLECTED CEILING PLAN	RCP Legend revised
A1-201	BUILDING NO. 1 - LEVEL 1 - GROUND FLOOR REFLECTED CEILING PLAN	RCP Legend revised and electrical fixture tag on plan revised
A1-202	BUILDING NO. 1 - LEVEL 2 - REFLECTED CEILING PLAN	RCP Legend revised and electrical fixture tag on plan revised
A1-203	BUILDING NO. 1 - LEVEL 3 - REFLECTED CEILING PLAN	RCP Legend revised
A1-204	BUILDING NO. 1 - LEVEL 4 - REFLECTED CEILING PLAN	RCP Legend revised
A1-205	BUILDING NO. 1 - LEVEL 5 - REFLECTED CEILING PLAN	RCP Legend and electrical fixtured tag on plan revised
A1-206	BUILDING NO. 1 - LEVEL 6 - PENTHOUSE AND EMR REFLECTED CEILING PLAN	RCP Legend revised
A2-210	BUILDING NO. 2 - LEVEL 0 - GROUND LEVEL REFLECTED CEILING PLAN	RCP Legend revised and electrical fixture tag on plan revised
A2-211	BUILDING NO. 2 - LEVEL 1 - REFLECTED CEILING PLAN	RCP Legend revised and electrical fixture tag on plan revised
A2-212	BUILDING NO. 2 - LEVEL 2 - REFLECTED CEILING PLAN	RCP Legend revised and electrical fixture tag on plan revised
A2-213	BUILDING NO. 2 - LEVEL 3 - REFLECTED CEILING PLAN	RCP Legend revised and electrical fixture tag on plan revised; Ceiling ht for the lobby outside Training room revised
A2-214	BUILDING NO. 2 - LEVEL 4 - REFLECTED CEILING PLAN	RCP Legend revised
A2-215	BUILDING NO. 2 - LEVEL 5 - REFLECTED CEILING PLAN	RCP Legend revised
A2-216	BUILDING NO. 2 - LEVEL 6 - REFLECTED CEILING PLAN	RCP Legend revised
A2-217	BUILDING NO. 2 - LEVEL 7 - PENTHOUSE AND EMR REFLECTED CEILING PLAN	RCP Legend revised
A-220	CEILING DETAILS	
A-221	CEILING DETAILS	
A-222	CEILING DETAILS	
A-223	CEILING DETAILS	
A1-400	BLDG. NO. 1 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A1-401	BLDG. NO. 1 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A1-402	BLDG. NO. 1 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A1-403	BLDG. NO. 1 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A2-404	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A2-405	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A2-406	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A2-407	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A2-408	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A2-409	BLDG. NO. 2 - ENLARGED CORE RESTROOM PLANS AND ELEVATIONS	
A1-410	BUILDING NO. 1 ENLARGED MAIN LOBBY PLANS	
A1-411	BUILDING NO. 1 ENLARGED MAIN LOBBY INTERIOR ELEVATIONS	
A1-412	BUILDING NO. 1 ENLARGED CAFÉ PLANS	
A1-413	BUILDING NO. 1 ENLARGED COMMISSIONER'S MEETING ROOM AND DAIS PLAN DETAIL	
A1-414	BUILDING NO. 1 - ENLARGED COMMISSIONER'S MEETING ROOM INTERIOR ELEVATIONS	
A1-415	BUILDING NO. 1 COMMISSIONER'S VESTIBULE INTERIOR ELEVATIONS	
A1-416	BUILDING NO. 1 - COMM. CONF. ROOM & COUNTY MANAGER LOUNGE ENLARGED PLANS AND ELEVATIONS	
A2-420	BUILDING NO. 2 - ENLARGED MAIN LOBBY PLANS AND INTERIOR ELEVATIONS	
A2-421	BUILDING NO. 2 - ENLARGED EMPLOYEE LOBBY AND INTERIOR ELEVATION	
A2-422	BUILDING NO. 2 - SOCIAL SERVICES LOBBY AND INTERIOR ELEVATION	
A2-423	BUILDING NO. 2 - ENLARGED TRAINING ROOM PLAN AND INTERIOR ELEVATIONS	
A2-424	BUILDING NO. 2 - ENLARGED CAFÉ PLAN AND INTERIOR ELEVATIONS	
A2-425	BUILDING NO. 2 - ENLARGED BREAK ROOM (SECOND FLOOR PANTRY) INTERIOR ELEVATIONS	
A-431	INTERIOR LOBBY AND SECURITY DESK DETAILS	
A-432	TYPICAL ELEVATOR LOBBY PLAN AND INTERIOR ELEVATIONS	
A-433	SECURITY DESKS PLANS, ELEVATIONS AND DETAILS	
A-434	SOCIAL SERVICES COUNTER PLANS AND ELEVATIONS	
A-435	INTERIOR MILLWORK DETAILS	
A-436	INTERIOR MILLWORK DETAILS	
A-437	INTERIOR MILLWORK DETAILS	
A-438	TRANSACTION COUNTER PLANS, ELEVATIONS AND DETAILS	
A-543	PLAN DETAILS & SECTIONS	
A-544	PLAN DETAILS	
A-545	FOLDING WALL PARTITIONS PLANS AND DETAILS	
A1-621	BUILDING NO. 1 - ENLARGED SHAFT PLAN	
A1-622	BUILDING NO. 1 - SHAFT SECTIONS	
A2-623	BUILDING NO. 2 - ENLARGED SHAFT PLAN	
A2-624	BUILDING NO. 2 - ENLARGED SHAFT PLAN	
A2-625	BUILDING NO. 2 - SHAFT SECTIONS	
A-700	BUILDING NO. 1 - DOOR SCHEDULE AND NOTES	
A-701	BUILDING NO. 2 - DOOR SCHEDULE AND NOTES	
A-702	DOOR TYPES, FRAME TYPES AND HEAD, JAMB & SILL DETAILS	
A-703	DOOR & WINDOW - HEAD, JAMB AND SILL DETAILS	
A-704	INTERIOR FLOORING TRANSITIONS AND DETAILS	
A-705	EXTERIOR WINDOW TYPES, STOREFRONT TYPES, DETAILS & NOTES	
A-706	INTERIOR WINDOW TYPES, STOREFRONT TYPES, BORROWED LITE WINDOW, DETAILS AND NOTES	
A1-800	BUILDING NO. 1 LEVEL 0 - UNDERGROUND FINISH PLAN	
A1-801	BUILDING NO. 1 LEVEL 1 - GROUND FLOOR FINISH PLAN	
A1-802	BUILDING NO. 1 LEVEL 2 - FINISH FLOOR PLAN	
A1-803	BUILDING NO. 1 LEVEL 3 - FINISH FLOOR PLAN	
A1-804	BUILDING NO. 1 LEVEL 4 - FINISH FLOOR PLAN	
A1-805	BUILDING NO. 1 LEVEL 5 - FINISH FLOOR PLAN	
A1-806	BUILDING NO. 1 LEVEL 6 - FINISH FLOOR PLAN	
A2-810	FINISH SCHEDULE/PLANS	Populated finishes specification sections.
A2-811	BUILDING NO. 2 - LEVEL 0 - FINISH PLAN	
A2-812	BUILDING NO. 2 - LEVEL 1 - FINISH PLAN	
A2-813	BUILDING NO. 2 - LEVEL 2 - FINISH PLAN	
A2-814	BUILDING NO. 2 - LEVEL 3 - FINISH PLAN	
A2-815	BUILDING NO. 2 - LEVEL 4 - FINISH PLAN	
A2-816	BUILDING NO. 2 - LEVEL 5 - FINISH PLAN	
A2-817	BUILDING NO. 2 - LEVEL 6 - FINISH PLAN	
A-820	FINISH SPECIFICATIONS	
A-821	FINISH SCHEDULE - BLDG 1 AND 2	
A1-900	BLDG NO. 1 - LEVEL 0 - FURNITURE AND EQUIPMENT	
A1-901	BLDG NO.1 - LEVEL 1 - FURNITURE AND EQUIPMENT	
A1-902	BLDG NO.1 - LEVEL 2 - FURNITURE AND EQUIPMENT	

A1-903	BLDG NO.1 - LEVEL 3 -FURNITURE AND EQUIPMENT	
A1-904	BLDG NO.1 - LEVEL 4 -FURNITURE AND EQUIPMENT	
A1-905	BLDG NO.1 - LEVEL 5 -FURNITURE AND EQUIPMENT	
A2-910	BLDG NO.2 - LEVEL 0 -FURNITURE AND EQUIPMENT	
A2-911	BLDG NO.2 - LEVEL 1 -FURNITURE AND EQUIPMENT	
A2-912	BLDG NO.2 - LEVEL 2 -FURNITURE AND EQUIPMENT	
A2-913	BLDG NO.2 - LEVEL 3 -FURNITURE AND EQUIPMENT	
A2-914	BLDG NO.2 - LEVEL 4 -FURNITURE AND EQUIPMENT	
A2-915	BLDG NO.2 - LEVEL 5 -FURNITURE AND EQUIPMENT	
A2-916	BLDG NO.2 - LEVEL 6 -FURNITURE AND EQUIPMENT	
A-1000	ENVIRONMENTAL GRAPHICS - PLAZA MURAL WALL	
A-1001	ENVIRONMENTAL GRAPHICS - INTERIOR GRAPHICS	
A-1002	ENVIRONMENTAL GRAPHICS - WAYFINDING GRAPHICS	
A-1003	NOT USED	
	<b>MECHANICAL</b>	
M-001	MECHANICAL LEAD SHEET	
M-002	MECHANICAL DETAILS (1 OF 3)	
M-003	MECHANICAL DETAILS (2 OF 3)	
M-004	MECHANICAL DETAILS (3 OF 3)	
M-101	BUILDING NO. 1 - LEVEL 0 - MECHANICAL DUCTWORK PLAN	Added pressure relief fan on plans
M-102	BUILDING NO. 1 - LEVEL 1 - MECHANICAL DUCTWORK PLAN	Rebalanced and resized vav boxes and ductwork
M-103	BUILDING NO. 1 - LEVEL 2 - MECHANICAL DUCTWORK PLAN - drawing to be issued w/ next Addendum	Added corridor vav boxes, included kreuger 1900 griles in inactive sections of ceiling plenum in room 1240, minor layout revisions
M-104	BUILDING NO. 1 - LEVEL 3 - MECHANICAL DUCTWORK PLAN	
M-105	BUILDING NO. 1 - LEVEL 4 - MECHANICAL DUCTWORK PLAN	Revised distribution to include interior and exterior zones, added additional vav boxes to create additional zones
M-106	BUILDING NO. 1 - LEVEL 5 - MECHANICAL DUCTWORK PLAN	Revised distribution to include interior and exterior zones, added additional vav boxes to create additional zones
M-107	BUILDING NO. 1 - ROOF - MECHANICAL DUCTWORK PLAN	
M-110	BUILDING NO. 2 - LEVEL 0 - MECHANICAL DUCTWORK PLAN	Added ductless split system to Demarc Room
M-111	BUILDING NO. 2 - LEVEL 1 - MECHANICAL DUCTWORK PLAN	Modified distribution and resized ductwork to room 2109
M-112	BUILDING NO. 2 - LEVEL 2 - MECHANICAL DUCTWORK PLAN	Revised distribution to include interior and exterior zones, added additional vav boxes to create additional zones
M-113	BUILDING NO. 2 - LEVEL 3 - MECHANICAL DUCTWORK PLAN	
M-114	BUILDING NO. 2 - LEVEL 4 - MECHANICAL DUCTWORK PLAN	Revised distribution to include interior and exterior zones, added additional vav boxes to create additional zones
M-115	BUILDING NO. 2 - LEVEL 5 - MECHANICAL DUCTWORK PLAN	Revised distribution to include interior and exterior zones, added additional vav boxes to create additional zones
M-116	BUILDING NO. 2 - LEVEL 6 - MECHANICAL DUCTWORK PLAN	Revised distribution to include interior and exterior zones, added additional vav boxes to create additional zones, adjusted distribution to interior zones
M-117	BUILDING NO. 2 - ROOF - MECHANICAL DUCTWORK PLAN	
M-201	BUILDING NO. 1 - LEVEL 0 - MECHANICAL PIPING PLAN	
M-202	BUILDING NO. 1 - LEVEL 1 - MECHANICAL PIPING PLAN	
M-203	BUILDING NO. 1 - LEVEL 2 - MECHANICAL PIPING PLAN	Showing Hot water piping to new and relocated vav boxes
M-204	BUILDING NO. 1 - LEVEL 3 - MECHANICAL PIPING PLAN	
M-205	BUILDING NO. 1 - LEVEL 4 - MECHANICAL PIPING PLAN	Showing Hot water piping to new and relocated vav boxes
M-206	BUILDING NO. 1 - LEVEL 5 - MECHANICAL PIPING PLAN	Showing Hot water piping to new and relocated vav boxes
M-207	BUILDING NO. 1 - ROOF - MECHANICAL PIPING PLAN	
M-210	BUILDING NO. 2 - LEVEL 0 - MECHANICAL PIPING PLAN	showing refrigerant and condensate piping for new demarc ductless split
M-211	BUILDING NO. 2 - LEVEL 1 - MECHANICAL PIPING PLAN	
M-212	BUILDING NO. 2 - LEVEL 2 - MECHANICAL PIPING PLAN	Showing Hot water piping to new and relocated vav boxes
M-213	BUILDING NO. 2 - LEVEL 3 - MECHANICAL PIPING PLAN	
M-214	BUILDING NO. 2 - LEVEL 4 - MECHANICAL PIPING PLAN	Showing Hot water piping to new and relocated vav boxes
M-215	BUILDING NO. 2 - LEVEL 5 - MECHANICAL PIPING PLAN	Showing Hot water piping to new and relocated vav boxes
M-216	BUILDING NO. 2 - LEVEL 6 - MECHANICAL PIPING PLAN	Showing Hot water piping to new and relocated vav boxes
M-217	BUILDING NO. 2 - ROOF - MECHANICAL PIPING PLAN	
M-301	BUILDING NO. 1 & 2 - MECHANICAL VRF RISER DIAGRAM	included and revised demarc split on risers
M-302	BUILDING NO. 1 - MECHANICAL ENLARGED PLANS & SECTIONS	
M-303	BUILDING NO. 1 - MECHANICAL RISER DIAGRAMS	
M-304	BUILDING NO. 1 - MECHANICAL RISER DIAGRAMS	
M-305	BUILDING NO. 2 - MECHANICAL ENLARGED PLANS & SECTIONS	
M-306	BUILDING NO. 2 - MECHANICAL RISER DIAGRAMS	
M-307	BUILDING NO. 2 - MECHANICAL RISER DIAGRAMS	
M-401	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (1 OF 5)	scheduled new pressure relief fan and new demarc split
M-402	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (2 OF 5)	scheduled new pressure relief fan and new demarc split
M-403	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (3 OF 5)	revised vav schedules
M-404	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (4 OF 5)	revised vav schedules
M-405	BUILDING NO. 1&2 - MECHANICAL SCHEDULES (5 OF 5)	revised vav schedules
M-406	BUILDING NO. 1 - MECHANICAL SCHEDULES (1 OF 3)	revised ventilation schedules, note included that occupancies are based on architectural furniture plans
M-407	BUILDING NO. 1 - MECHANICAL SCHEDULES (2 OF 3)	revised ventilation schedules, note included that occupancies are based on architectural furniture plans
M-408	BUILDING NO. 1 - MECHANICAL SCHEDULES (3 OF 3)	revised ventilation schedules, note included that occupancies are based on architectural furniture plans
M-409	BUILDING NO. 2 - MECHANICAL SCHEDULES (1 OF 4)	revised ventilation schedules, note included that occupancies are based on architectural furniture plans
M-410	BUILDING NO. 2 - MECHANICAL SCHEDULES (2 OF 4)	revised ventilation schedules, note included that occupancies are based on architectural furniture plans
M-411	BUILDING NO. 2 - MECHANICAL SCHEDULES (3 OF 4)	revised ventilation schedules, note included that occupancies are based on architectural furniture plans
M-412	BUILDING NO. 2 - MECHANICAL SCHEDULES (4 OF 4)	revised ventilation schedules, note included that occupancies are based on architectural furniture plans
M-501	BUILDING NO. 1&2 - MECHANICAL CONTROLS DIAGRAMS (1 OF 4)	
M-502	BUILDING NO. 1&2 - MECHANICAL CONTROLS DIAGRAMS (2 OF 4)	
M-503	BUILDING NO. 1&2 - MECHANICAL CONTROLS DIAGRAMS (3 OF 4)	
M-504	BUILDING NO. 1&2 - MECHANICAL CONTROLS DIAGRAMS (4 OF 4)	
	<b>ELECTRICAL</b>	
E-001	ELECTRICAL LEAD SHEET	
E-002	ELECTRICAL DETAILS	
E-003	ELECTRICAL DETAILS	
E-010	ELECTRICAL SITE PLAN	
E-011	ELECTRICAL UNDERGROUND CONDUIT PLAN	
E-100	OUTDOOR PLAZA - ELECTRICAL POWER & LIGHTING PLANS	
E-101	BUILDING NO. 1 - LEVEL 0 - ELECTRICAL POWER PLAN	
E-102	BUILDING NO. 1 - LEVEL 1 - ELECTRICAL POWER PLAN	
E-103	BUILDING NO. 1 - LEVEL 2 - ELECTRICAL POWER PLAN	
E-104	BUILDING NO. 1 - LEVEL 3 - ELECTRICAL POWER PLAN	
E-105	BUILDING NO. 1 - LEVEL 4 - ELECTRICAL POWER PLAN	
E-106	BUILDING NO. 1 - LEVEL 5 - ELECTRICAL POWER PLAN	
E-107	BUILDING NO. 1 - ROOF - ELECTRICAL POWER PLAN	
E-110	BUILDING NO. 2 - LEVEL 0 - ELECTRICAL POWER PLAN	Added Circuit for HVAC unit HP 2-7 for Demarc Rm. 2013A. Added Circuit for HWH-2 for Security 2005.
E-111	BUILDING NO. 2 - LEVEL 1 - ELECTRICAL POWER PLAN	
E-112	BUILDING NO. 2 - LEVEL 2 - ELECTRICAL POWER PLAN	
E-113	BUILDING NO. 2 - LEVEL 3 - ELECTRICAL POWER PLAN	
E-114	BUILDING NO. 2 - LEVEL 4 - ELECTRICAL POWER PLAN	
E-115	BUILDING NO. 2 - LEVEL 5 - ELECTRICAL POWER PLAN	
E-116	BUILDING NO. 2 - LEVEL 6 - ELECTRICAL POWER PLAN	
E-117	BUILDING NO. 2 - ROOF - ELECTRICAL POWER PLAN	
E-201	BUILDING NO. 1 - LEVEL 0 - ELECTRICAL LIGHTING PLAN	
E-202	BUILDING NO. 1 - LEVEL 1 - ELECTRICAL LIGHTING PLAN	
E-203	BUILDING NO. 1 - LEVEL 2 - ELECTRICAL LIGHTING PLAN	
E-204	BUILDING NO. 1 - LEVEL 3 - ELECTRICAL LIGHTING PLAN	
E-205	BUILDING NO. 1 - LEVEL 4 - ELECTRICAL LIGHTING PLAN	
E-206	BUILDING NO. 1 - LEVEL 5 - ELECTRICAL LIGHTING PLAN	
E-207	BUILDING NO. 1 - ROOF - ELECTRICAL LIGHTING PLAN	

E-210	BUILDING NO. 2 - LEVEL 0 - ELECTRICAL LIGHTING PLAN	
E-211	BUILDING NO. 2 - LEVEL 1 - ELECTRICAL LIGHTING PLAN	
E-212	BUILDING NO. 2 - LEVEL 2 - ELECTRICAL LIGHTING PLAN	
E-213	BUILDING NO. 2 - LEVEL 3 - ELECTRICAL LIGHTING PLAN	
E-214	BUILDING NO. 2 - LEVEL 4 - ELECTRICAL LIGHTING PLAN	
E-215	BUILDING NO. 2 - LEVEL 5 - ELECTRICAL LIGHTING PLAN	
E-216	BUILDING NO. 2 - LEVEL 6 - ELECTRICAL LIGHTING PLAN	
E-217	BUILDING NO. 2 - ROOF - ELECTRICAL LIGHTING PLAN	
E-301	BUILDING NO. 1 - ELECTRICAL ENLARGED PLANS	
E-302	BUILDING NO. 1 - ELECTRICAL ENLARGED PLANS	
E-303	BUILDING NO. 2 - ELECTRICAL ENLARGED PLANS	Added Circuit for HVAC unit HP 2-7 / AC 2-7 for Demarc Rm. 2013A.
E-304	BUILDING NO. 2 - ELECTRICAL ENLARGED PLANS	
E-401	BUILDING NO. 1 - ELECTRICAL SINGLE LINE DIAGRAM	(Drawing not issued) - Changes made to reflect Domestic Booster Pump Sizing per Plumbing changes included under Addendum #3.
E-402	BUILDING NO. 2 - ELECTRICAL SINGLE LINE DIAGRAM	(Drawing not issued) - Changes made to reflect Domestic Booster Pump Sizing per Plumbing changes included under Addendum #3.
E-501	ELECTRICAL LUMINAIRE SCHEDULE	
E-502	BUILDING NO. 1 - ELECTRICAL SCHEDULES	
E-503	BUILDING NO. 1 - ELECTRICAL SCHEDULES	
E-504	BUILDING NO. 1 - ELECTRICAL SCHEDULES	
E-505	BUILDING NO. 1 - ELECTRICAL SCHEDULES	
E-506	BUILDING NO. 1 - ELECTRICAL SCHEDULES	
E-507	BUILDING NO. 1 - ELECTRICAL SCHEDULES	
E-508	BUILDING NO. 1 - ELECTRICAL SCHEDULES	
E-509	BUILDING NO. 1 - ELECTRICAL SCHEDULES	(Drawing not issued) - Changes made to reflect increased load in schedule for per DWB changes included under Addendum #3.
E-510	BUILDING NO. 1 - ELECTRICAL SCHEDULES	
E-511	BUILDING NO. 2 - ELECTRICAL SCHEDULES	Added Circuit for HVAC unit HP 2-7 for Demarc Rm. 2013A.
E-512	BUILDING NO. 2 - ELECTRICAL SCHEDULES	
E-513	BUILDING NO. 2 - ELECTRICAL SCHEDULES	
E-514	BUILDING NO. 2 - ELECTRICAL SCHEDULES	
E-515	BUILDING NO. 2 - ELECTRICAL SCHEDULES	Added Circuit for HVAC unit HP 2-7 for Demarc Rm. 2013A.
E-516	BUILDING NO. 2 - ELECTRICAL SCHEDULES	
E-517	BUILDING NO. 2 - ELECTRICAL SCHEDULES	
E-518	BUILDING NO. 2 - ELECTRICAL SCHEDULES	
E-519	BUILDING NO. 2 - ELECTRICAL SCHEDULES	
E-520	BUILDING NO. 2 - ELECTRICAL SCHEDULES	(Drawing not issued) - Changes made to reflect increased load in schedule for per DWB changes included under Addendum #3.
E-521	BUILDING NO. 2 - ELECTRICAL SCHEDULES	
<b>FIRE ALARM</b>		
FA-001	FIRE ALARM LEGEND, SYMBOLS, NOTES & ABBREVIATIONS	
FA-002	FIRE ALARM DETAILS	
FA-100	OUTDOOR PLAZA - FIRE ALARM PLAN	
FA-101	BUILDING NO. 1 - LEVEL 0 - FIRE ALARM PLAN	
FA-102	BUILDING NO. 1 - LEVEL 1 - FIRE ALARM PLAN	
FA-103	BUILDING NO. 1 - LEVEL 2 - FIRE ALARM PLAN	
FA-104	BUILDING NO. 1 - LEVEL 3 - FIRE ALARM PLAN	
FA-105	BUILDING NO. 1 - LEVEL 4 - FIRE ALARM PLAN	
FA-106	BUILDING NO. 1 - LEVEL 5 - FIRE ALARM PLAN	
FA-107	BUILDING NO. 1 - ROOF - FIRE ALARM PLAN	
FA-110	BUILDING NO. 2 - LEVEL 0 - FIRE ALARM PLAN	
FA-111	BUILDING NO. 2 - LEVEL 1 - FIRE ALARM PLAN	
FA-112	BUILDING NO. 2 - LEVEL 2 - FIRE ALARM PLAN	
FA-113	BUILDING NO. 2 - LEVEL 3 - FIRE ALARM PLAN	
FA-114	BUILDING NO. 2 - LEVEL 4 - FIRE ALARM PLAN	
FA-115	BUILDING NO. 2 - LEVEL 5 - FIRE ALARM PLAN	
FA-116	BUILDING NO. 2 - LEVEL 6 - FIRE ALARM PLAN	
FA-117	BUILDING NO. 2 - ROOF - FIRE ALARM PLAN	
FA-201	BUILDING NO. 1 FIRE ALARM RISER DIAGRAM	
FA-202	BUILDING NO. 2 FIRE ALARM RISER DIAGRAM	
<b>PLUMBING</b>		
P-001	PLUMBING LEAD SHEET	
P-002	PLUMBING DETAILS	
P-003	PLUMBING DETAILS	ADDED DOMESTIC BOOSTER PUMP SCHEMATIC DETAIL
P-100	BUILDING NO. 1 - UNDERSLAB - SANITARY & STORM PLAN	ADDED PIPE INVERTS TO ALL SAN/STORM MAIN EXIT POINTS
P-101	BUILDING NO. 1 - LEVEL 0 - SANITARY & STORM PLAN	ADDED PIPE INVERTS TO ALL SAN/STORM MAIN EXIT POINTS
P-102A	BUILDING NO. 1 - LEVEL 1 - SANITARY & STORM PLAN	
P-102B	BUILDING NO. 1 - LEVEL 1 PARKING - SANITARY & STORM PLAN	
P-103	BUILDING NO. 1 - LEVEL 2 - SANITARY & STORM PLAN	
P-104	BUILDING NO. 1 - LEVEL 3 - SANITARY & STORM PLAN	
P-105	BUILDING NO. 1 - LEVEL 4 - SANITARY & STORM PLAN	
P-106	BUILDING NO. 1 - LEVEL 5 - SANITARY & STORM PLAN	
P-107	BUILDING NO. 1 - ROOF - SANITARY & STORM PLAN	
P-108	BUILDING NO. 1 - EMR LEVEL - SANITARY & STORM PLAN	
P-109	BUILDING NO. 2 - UNDERSLAB - SANITARY & STORM PLAN	ADDED PIPE INVERTS TO ALL SAN/STORM MAIN EXIT POINTS
P-110	BUILDING NO. 2 - LEVEL 0 - SANITARY & STORM PLAN	
P-111	BUILDING NO. 2 - LEVEL 1 - SANITARY & STORM PLAN	
P-112	BUILDING NO. 2 - LEVEL 2 - SANITARY & STORM PLAN	
P-113	BUILDING NO. 2 - LEVEL 3 - SANITARY & STORM PLAN	
P-114	BUILDING NO. 2 - LEVEL 4 - SANITARY & STORM PLAN	
P-115	BUILDING NO. 2 - LEVEL 5 - SANITARY & STORM PLAN	
P-116	BUILDING NO. 2 - LEVEL 6 - SANITARY & STORM PLAN	
P-117	BUILDING NO. 2 - ROOF - SANITARY & STORM PLAN	
P-118	BUILDING NO. 2 - EMR LEVEL - SANITARY & STORM PLAN	
P-201	BUILDING NO. 1 - LEVEL 0 - DOMESTIC WATER & GAS PLAN	
P-202	BUILDING NO. 1 - LEVEL 1 - DOMESTIC WATER & GAS PLAN	
P-203	BUILDING NO. 1 - LEVEL 2 - DOMESTIC WATER & GAS PLAN	
P-204	BUILDING NO. 1 - LEVEL 3 - DOMESTIC WATER & GAS PLAN	
P-205	BUILDING NO. 1 - LEVEL 4 - DOMESTIC WATER & GAS PLAN	
P-206	BUILDING NO. 1 - LEVEL 5 - DOMESTIC WATER & GAS PLAN	
P-207	BUILDING NO. 1 - ROOF - DOMESTIC WATER & GAS PLAN	
P-208	BUILDING NO. 2 - LEVEL 0 - DOMESTIC WATER & GAS PLAN	
P-209	BUILDING NO. 2 - LEVEL 1 - DOMESTIC WATER & GAS PLAN	
P-210	BUILDING NO. 2 - LEVEL 2 - DOMESTIC WATER & GAS PLAN	
P-211	BUILDING NO. 2 - LEVEL 3 - DOMESTIC WATER & GAS PLAN	
P-212	BUILDING NO. 2 - LEVEL 4 - DOMESTIC WATER & GAS PLAN	
P-213	BUILDING NO. 2 - LEVEL 5 - DOMESTIC WATER & GAS PLAN	
P-214	BUILDING NO. 2 - LEVEL 6 - DOMESTIC WATER & GAS PLAN	
P-215	BUILDING NO. 2 - ROOF - DOMESTIC WATER & GAS PLAN	
P-301	PLUMBING ENLARGED PLANS	
P-401	BUILDING NO. 1 - PLUMBING RISER DIAGRAM - SANITARY	
P-402	BUILDING NO. 2 - PLUMBING RISER DIAGRAM - SANITARY	
P-411	BUILDING NO. 1 - PLUMBING RISER DIAGRAM - STORMWATER	
P-412	BUILDING NO. 2 - PLUMBING RISER DIAGRAM - STORMWATER	
P-421	BUILDING NO. 1 - PLUMBING RISER DIAGRAM - DOMESTIC WATER	
P-422	BUILDING NO. 2 - PLUMBING RISER DIAGRAM - DOMESTIC WATER	
P-431	BUILDING NO. 1 - PLUMBING RISER DIAGRAM - NATURAL GAS	
P-432	BUILDING NO. 2 - PLUMBING RISER DIAGRAM - NATURAL GAS	
P-501	PLUMBING SCHEDULES	
<b>FIRE PROTECTION</b>		
FP-001	FIRE PROTECTION LEAD SHEET	UPDATED GENERAL NOTES
FP-002	FIRE PROTECTION DETAILS	MODIFIED DETAILS 1-3. ADDED WET ALARM CHECK VALVE, FREESTANDING FDC/TEST HEADER, AND FIRE PUMP SCHEMATIC DETAILS.
FP-101	BUILDING NO. 1 - LEVEL 0 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS. UPSIZED PIPING TO FDC AND FIRE PUMP TEST HEADER. CHANGED TO 3 WAY FDC AND
FP-102	BUILDING NO. 1 - LEVEL 1 - FIRE PROTECTION PLAN	ADDED NOTES TO CLARIFY AREA OF OVERHANG THAT IS PROTECTED BY LEVEL 2 DRY SYSTEM.
FP-103	BUILDING NO. 1 - LEVEL 2 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-104	BUILDING NO. 1 - LEVEL 3 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-105	BUILDING NO. 1 - LEVEL 4 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-106	BUILDING NO. 1 - LEVEL 5 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-107	BUILDING NO. 1 - ROOF - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-108	BUILDING NO. 1 - EMR LEVEL - FIRE PROTECTION PLAN	
FP-109	BUILDING NO. 2 - LEVEL 0 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS. UPSIZED PIPING TO FDC AND FIRE PUMP TEST HEADER. CHANGED TO 3 WAY FDC AND
FP-110	BUILDING NO. 2 - LEVEL 1 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-111	BUILDING NO. 2 - LEVEL 2 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.

FP-112	BUILDING NO. 2 - LEVEL 3 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-113	BUILDING NO. 2 - LEVEL 4 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-114	BUILDING NO. 2 - LEVEL 5 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-115	BUILDING NO. 2 - LEVEL 6 - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS. UPDATED COVERAGE OF RM 2610 TO MATCH ARCH WALL SHIFT.
FP-116	BUILDING NO. 2 - ROOF - FIRE PROTECTION PLAN	UPDATED ELECTRICAL ROOM PROTECTION REQUIREMENTS.
FP-117	BUILDING NO. 2 - EMR LEVEL - FIRE PROTECTION PLAN	
FP-301	BUILDING NO. 1 - FIRE PROTECTION ENLARGED PLANS	UPSIZED PIPING TO FDC AND FIRE PUMP TEST HEADER FOR BOTH BUILDINGS. MODIFIED AIR COMPRESSOR NOTATION.
FP-401	BUILDING NO. 1 - FIRE PROTECTION RISER DIAGRAMS	
FP-501	BUILDING NO. 1 - FIRE PROTECTION SCHEDULES	
	<b>TELECOMMUNICATIONS/INFORMATION TECHNOLOGY</b>	
TC1-001.00	TELECOMMUNICATION NOTES, SYMBOL LIST & DRAWING LIST	
TC1-100.00	LEVEL 0 TELECOMMUNICATIONS FLOOR PLAN	
TC1-101.00	LEVEL 1 TELECOMMUNICATIONS FLOOR PLAN	
TC1-102.00	LEVEL 2 TELECOMMUNICATIONS FLOOR PLAN	
TC1-103.00	LEVEL 3 TELECOMMUNICATIONS FLOOR PLAN	
TC1-104.00	LEVEL 4 TELECOMMUNICATIONS FLOOR PLAN	
TC1-105.00	LEVEL 5 TELECOMMUNICATIONS FLOOR PLAN	
TC1-106.00	LEVEL 6 TELECOMMUNICATIONS FLOOR PLAN	
TC1-107.00	LEVEL 7 TELECOMMUNICATIONS FLOOR PLAN	
TC1-200.00	LEVEL 0 TELECOMMUNICATIONS RCP	
TC1-201.00	LEVEL 1 TELECOMMUNICATIONS RCP	
TC1-202.00	LEVEL 2 TELECOMMUNICATIONS RCP	
TC1-203.00	LEVEL 3 TELECOMMUNICATIONS RCP	
TC1-204.00	LEVEL 4 TELECOMMUNICATIONS RCP	
TC1-205.00	LEVEL 5 TELECOMMUNICATIONS RCP	
TC1-206.00	LEVEL 6 TELECOMMUNICATIONS RCP	
TC1-207.00	LEVEL 7 TELECOMMUNICATIONS RCP	
TC1-401.00	TELECOMMUNICATIONS DEMARC PART PLAN	
TC1-403.00	TELECOMMUNICATIONS LEVEL 3 IT ROOM PART PLAN	
TC1-404A.00	TELECOMMUNICATIONS LEVEL 4 IT ROOM PART PLAN	
TC1-404B.00	TELECOMMUNICATIONS LEVEL 4 DATA CENTER PART PLAN	
TC1-405.00	TELECOMMUNICATIONS LEVEL 5 IT ROOM PART PLAN	
TC1-501.00	TELECOMMUNICATIONS DETAILS	
TC1-601.00	TELECOMMUNICATIONS HORIZONTAL CABLING RISER DIAGRAM	
TC1-602.00	TELECOMMUNICATIONS RISER DIAGRAMS	
TC2-001.00	TELECOMMUNICATION NOTES, SYMBOL LIST & DRAWING LIST	
TC2-100.00	LEVEL 0 TELECOMMUNICATIONS FLOOR PLAN	
TC2-101.00	LEVEL 1 TELECOMMUNICATIONS FLOOR PLAN	
TC2-102.00	LEVEL 2 TELECOMMUNICATIONS FLOOR PLAN	
TC2-103.00	LEVEL 3 TELECOMMUNICATIONS FLOOR PLAN	
TC2-104.00	LEVEL 4 TELECOMMUNICATIONS FLOOR PLAN	
TC2-105.00	LEVEL 5 TELECOMMUNICATIONS FLOOR PLAN	
TC2-106.00	LEVEL 6 TELECOMMUNICATIONS FLOOR PLAN	
TC2-107.00	LEVEL 7 TELECOMMUNICATIONS FLOOR PLAN	
TC2-108.00	EMR TELECOMMUNICATIONS FLOOR PLAN	
TC2-200.00	LEVEL 1 TELECOMMUNICATIONS RCP	
TC2-201.00	LEVEL 2 TELECOMMUNICATIONS RCP	
TC2-202.00	LEVEL 3 TELECOMMUNICATIONS RCP	
TC2-203.00	LEVEL 4 TELECOMMUNICATIONS RCP	
TC2-204.00	LEVEL 5 TELECOMMUNICATIONS RCP	
TC2-205.00	LEVEL 6 TELECOMMUNICATIONS RCP	
TC2-206.00	LEVEL 7 TELECOMMUNICATIONS RCP	
TC2-207.00	LEVEL 7 TELECOMMUNICATIONS RCP	
TC2-208.00	EMR FLOOR TELE COMMUNICATION RCP PLAN	
TC2-400.00	TELECOMMUNICATIONS LEVEL 0 DEMARC ROOM PART PLAN	
TC2-401.00	TELECOMMUNICATIONS LEVEL 1 IT ROOM PART PLAN	
TC2-402.00	TELECOMMUNICATIONS LEVEL 2 IT ROOM PART PLAN	
TC2-403.00	TELECOMMUNICATIONS LEVEL 3 IT ROOM PART PLAN	
TC2-404.00	TELECOMMUNICATIONS LEVEL 4 IT ROOM PART PLAN	
TC2-405.00	TELECOMMUNICATIONS LEVEL 5 IT ROOM PART PLAN	
TC2-406.00	TELECOMMUNICATIONS LEVEL 6 IT ROOM PART PLAN	
TC2-501.00	TELECOMMUNICATIONS DETAIL	
TC2-601.00	TELECOMMUNICATIONS RISER DIAGRAMS	
TC2-602.00	TELECOMMUNICATIONS RISER DIAGRAMS	
TC-801.00	TELECOMMUNICATIONS EQUIPMENT LIST	
	<b>AUDIO VISUAL</b>	
AV1-001.00	AUDIO VISUAL SCHEDULES AND NOTES	
AV2-100.00	LEVEL 0 AUDIO VISUAL PLAN	
AV1-101.00	LEVEL 1 AUDIO VISUAL PLAN	
AV1-102.00	LEVEL 2 AUDIO VISUAL PLAN	
AV1-102.10	LEVEL 2 AUDIO VISUAL SECTION & ELEVATION	
AV1-103.00	LEVEL 3 AUDIO VISUAL PLAN	
AV1-104.00	LEVEL 4 AUDIO VISUAL PLAN	
AV1-105.00	LEVEL 5 AUDIO VISUAL PLAN	
AV1-301.00	LEVEL 1 AUDIO VISUAL LOW VOLTAGE PLAN	
AV1-302.00	LEVEL 2 AUDIO VISUAL LOW VOLTAGE PLAN	
AV1-303.00	LEVEL 3 AUDIO VISUAL LOW VOLTAGE PLAN	
AV1-304.00	LEVEL 4 AUDIO VISUAL LOW VOLTAGE PLAN	
AV1-305.00	LEVEL 5 AUDIO VISUAL LOW VOLTAGE PLAN	
AV1-501.00	AUDIO VISUAL DETAILS	
AV1-502.00	AUDIO VISUAL DETAILS	
AV1-503.00	AUDIO VISUAL DETAILS	
AV2-001.00	AUDIO VISUAL SCHEDULES AND NOTES	
AV2-101.00	LEVEL 1 AUDIO VISUAL PLAN	
AV2-102.00	LEVEL 2 AUDIO VISUAL PLAN	
AV2-103.00	LEVEL 3 AUDIO VISUAL PLAN	
AV2-104.00	LEVEL 4 AUDIO VISUAL PLAN	
AV2-105.00	LEVEL 5 AUDIO VISUAL PLAN	
AV2-106.00	LEVEL 6 AUDIO VISUAL PLAN	
AV2-300.00	LEVEL 0 AUDIO VISUAL LOW VOLTAGE PLAN	
AV2-301.00	LEVEL 1 AUDIO VISUAL LOW VOLTAGE PLAN	
AV2-302.00	LEVEL 2 AUDIO VISUAL LOW VOLTAGE PLAN	
AV2-303.00	LEVEL 3 AUDIO VISUAL LOW VOLTAGE PLAN	
AV2-304.00	LEVEL 4 AUDIO VISUAL LOW VOLTAGE PLAN	
AV2-305.00	LEVEL 5 AUDIO VISUAL LOW VOLTAGE PLAN	
AV2-306.00	LEVEL 6 AUDIO VISUAL LOW VOLTAGE PLAN	
AV2-501.00	AUDIO VISUAL DETAILS	
AV2-502.00	AUDIO VISUAL DETAILS	
AV2-503.00	AUDIO VISUAL DETAILS	
AV-001.00	AUDIO VISUAL SCHEDULES AND NOTES	
AV-501.00	AUDIO VISUAL BLOCK DIAGRAMS	
AV-502.00	AUDIO VISUAL BLOCK DIAGRAMS	
AV-503.00	AUDIO VISUAL BLOCK DIAGRAMS	
AV-504.00	AUDIO VISUAL BLOCK DIAGRAMS	
AV-505.00	AUDIO VISUAL BLOCK DIAGRAMS	
AV-506.00	AUDIO VISUAL BLOCK DIAGRAMS	
AV-506.10	AUDIO VISUAL BLOCK DIAGRAMS	
AV-506.20	AUDIO VISUAL BLOCK DIAGRAMS	
AV-507.00	AUDIO VISUAL BLOCK DIAGRAMS	
AV-507.10	AUDIO VISUAL BLOCK DIAGRAMS	
AV-507.20	AUDIO VISUAL BLOCK DIAGRAMS	

AV-508.00	AUDIO VISUAL BLOCK DIAGRAMS	
AV-801.00	AUDIO VISUAL EQUIPMENT LIST	
AV-802.00	AUDIO VISUAL EQUIPMENT LIST	
	<b>SECURITY</b>	
SC1-001.00	SECURITY COVER SHEET	
SC1-100.00	LEVEL 0 SECURITY PLAN	
SC1-101.00	LEVEL 1 SECURITY PLAN	
SC1-102.00	LEVEL 2 SECURITY PLAN	
SC1-103.00	LEVEL 3 SECURITY PLAN	
SC1-104.00	LEVEL 4 SECURITY PLAN	
SC1-105.00	LEVEL 5 SECURITY PLAN	
SC1-106.00	LEVEL 6 SECURITY PLAN	
SC1-107.00	LEVEL 7 SECURITY PLAN	
SC1-200.00	LEVEL 0 SECURITY RCP PLAN	
SC1-201.00	LEVEL 1 SECURITY RCP PLAN	
SC1-202.00	LEVEL 2 SECURITY RCP PLAN	
SC1-203.00	LEVEL 3 SECURITY RCP PLAN	
SC1-204.00	LEVEL 4 SECURITY RCP PLAN	
SC1-205.00	LEVEL 5 SECURITY RCP PLAN	
SC1-206.00	LEVEL 6 SECURITY RCP PLAN	
SC1-207.00	LEVEL 7 SECURITY RCP PLAN	
SC-501.00	SECURITY DETAIL	
SC-601.00	SECURITY RISER DIAGRAM	
SC2-001.00	SECURITY COVER SHEET	
SC2-100.00	LEVEL 0 SECURITY PLAN	
SC2-101.00	LEVEL 1 SECURITY PLAN	
SC2-102.00	LEVEL 2 SECURITY PLAN	
SC2-103.00	LEVEL 3 SECURITY PLAN	
SC2-104.00	LEVEL 4 SECURITY PLAN	
SC2-105.00	LEVEL 5 SECURITY PLAN	
SC2-106.00	LEVEL 6 SECURITY PLAN	
SC2-107.00	LEVEL 7 SECURITY PLAN	
SC2-108.00	EMR FLOOR SECURITY PLAN	
SC2-200.00	LEVEL 0 SECURITY RCP PLAN	
SC2-201.00	LEVEL 1 SECURITY RCP PLAN	
SC2-202.00	LEVEL 2 SECURITY RCP PLAN	
SC2-203.00	LEVEL 3 SECURITY RCP PLAN	
SC2-204.00	LEVEL 4 SECURITY RCP PLAN	
SC2-205.00	LEVEL 5 SECURITY RCP PLAN	
SC2-206.00	LEVEL 6 SECURITY RCP PLAN	
SC2-207.00	LEVEL 7 SECURITY RCP PLAN	
SC2-208.00	EMR FLOOR SECURITY RCP PLAN	
SC2-501.00	SECURITY DETAIL	
SC2-601.00	SECURITY RISER DIAGRAM	
		<b>END VOLUME 2</b>
		<b>CIVIL, ARCHITECTURAL CORE/SHELL/ENVELOPE AND STRUCTURE FOUND IN VOLUME 1</b>



**Union County Government Complex  
For Union County Improvement Authority  
Elizabeth, Union County, NJ**

**Addendum Date:  
12-22-23**

**Project No.: 20.072**

**Project Dated: 11-08-23**

**The original specifications and drawings, for the project noted above have been amended as noted in this Addendum. Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Form of Proposal.**

Attachments: Drawing as itemized above

Signed by: Jaime Masler Beach, AIA, NCARB

Date: 12-22-23

Copies:  Owner  Consultants  Contractor  Const. Manager   File

**END OF ADDENDUM NO. 04**