ADDENDUM NO. 3

TO THE CONTRACT DOCUMENTS
FOR THE CONSTRUCTION OF

NEW ARFF/SRE BUILDING – PHASE 2
AT
ITHACA TOMPKINS INTERNATIONAL AIRPORT
ITHACA, NY

FAA AIP NO.: 3-36-0047-xx-2026

TO ALL HOLDER OF CONTRACT DOCUMENTS:

Your attention is directed to the following interpretations of changes in and additions to the Contract Documents for the construction of the New ARFF/SRE- PHASE 2 Contract at the Ithaca Tompkins International Airport, NY. This Addendum is part of the Contract Documents in accordance with the provisions of **Article SP 20-16 ADDENDA AND INTERPRETATION**.

IN THE CONTRACT SPECIFICATIONS:

1. **ADD** Section 083613 - Sectional Doors.
2. **DELETE** Section 011200 – Multiple Contract Summary in its entirety and **SUBSTITUTE THEREFOR** the attached Section 011200 – Multiple Contract Summary_*REV.*

ON THE CONTRACT DRAWINGS:

1. **DELETE** Sheet M-110 in its entirety and **SUBSTITUTE THEREFOR** the attached Sheet M-110 Revision 1.
2. **DELETE** Sheet M-111 in its entirety and **SUBSTITUTE THEREFOR** the attached Sheet M-111 Revision 1.
3. **DELETE** Sheet M-112 in its entirety and **SUBSTITUTE THEREFOR** the attached Sheet M-112 Revision 1.

RESPONSES TO RFIs RECEIVED:

1. **Q5: Door Type OGCD Clarification**: On drawings A-201 (Exterior Elevations) and A-601 (Door Types, Window Types, and Schedules), the overhead doors at the ARFF garage openings (Door Type OGCD) appear to be depicted as fully glazed sectional overhead doors. However, the specifications reference coiling/rolling steel doors for these same openings. Additionally, the specifications require vision panels in the coiling doors "as shown on Drawings," but no such configuration is indicated. The glazing shown for the ARFF doors does not appear consistent with the specified vision panel arrangement. Please confirm the intended door type for Door Type OGCD and clarify whether the ARFF garage doors are to be coiling doors or sectional overhead doors. If sectional doors are intended, please provide the applicable specifications.
    A. Glazing is not required in the overhead coiling doors. Type OGCD doors are intended to be sectional units. See attached specification 083613 Sectional Doors for requirements.
2. **Q6: Section 083323 - Overhead Coiling Doors:** The specifications for the coiling/rolling steel

SECTION 083613 - SECTIONAL DOORS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes electrically operated, sectional doors.

B. Related Requirements:

1. Section 055000 "Metal Fabrications" for miscellaneous steel supports.

1.2 ACTION SUBMITTALS

A. Product Data: For each type and size of sectional door and accessory.

B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.

C. Samples: Submit manufacturer’s full color range and texture.

1.3 INFORMATIONAL SUBMITTALS

A. Sample warranty.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.5 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of sectional doors that fail in materials or workmanship within specified warranty period.

1. Warranty Period: One year from date of Substantial Completion.

B. Finish Warranty: Manufacturer agrees to repair or replace components that show evidence of deterioration of factory-applied finishes within specified warranty period.

1. Warranty Period: 5 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS, GENERAL

A. Source Limitations: Obtain sectional doors from single source from single manufacturer.

1. Obtain operators and controls from sectional door manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. General Performance: Sectional doors shall comply with performance requirements specified without failure due to defective manufacture, fabrication, installation, or other defects in construction and without requiring temporary installation of reinforcing components.

B. Structural Performance, Exterior Doors: Capable of withstanding the design wind loads.

1. Design Wind Load: Uniform pressure (velocity pressure) of 30 lbf/sq. ft., acting inward and outward.
2. Testing: According to ASTM E 330 or DASMA 108 for garage doors and complying with the acceptance criteria of DASMA 108.

C. Seismic Performance: Sectional doors shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.

2.3 DOOR ASSEMBLY

A. Aluminum Sectional Door: Sectional door formed with hinged sections and fabricated according to DASMA 102 unless otherwise indicated.

1. Manufacturers:

a. Clopay Building Products
b. Overhead Door Corporation
c. Raynor

B. Operation Cycles: Door components and operators capable of operating for not less than 50,000.

C. Air Infiltration: Maximum rate of 0.4 cfm/sq. ft. at 25 mph when tested according to ASTM E 283 or DASMA 105.

D. U-Value:0.25 maximum.

E. Aluminum Sections: ASTM B221 extruded-aluminum stile and rail members of alloy and temper standard with manufacturer for type of use and finish indicated; in minimum thickness required to comply with requirements; with rail and stile dimensions and profiles indicated on Drawings; and with overlapped or interlocked weather- and pinch-resistant seal at meeting rails.

1. Door-Section Thickness: 2 inches.
2. Section Reinforcing: Continuous horizontal and diagonal reinforcement as required to stiffen door and for wind loading. Ensure that reinforcement does not obstruct vision lites.

    a. Hardware Locations: Provide reinforcement for hardware attachment.

3. Insulated Stiles and Rails: Fill stiles and rails with door manufacturer's standard expanding CFC-free insulation, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, according to ASTM E 84. Enclose insulation completely within steel sections and the interior facing material, with no exposed insulation.
4. Glazed Panels: Manufacturer's standard, aluminum-framed section with glazing sealed with glazing tape and aluminum glazing bead. Glazing as follows:

    a. Insulating Glass Units: Manufacturers' standard unit with tempered glass lites complying with ASTM C1048, Kind FT (fully tempered), Condition A (uncoated), Type I, Class 1 (clear), Quality-Q3.

F. Track Configuration: Standard-lift track.

G. Weatherseals: Fitted to bottom and top and around entire perimeter of door. Provide combination bottom weatherseal and sensor edge.

H. Electric Door Operator:

1. Usage Classification: Medium duty, up to 12 cycles per hour and up to 50 cycles per day.
2. Operator Type: Trolley.
3. Safety: Listed according to UL 325 by a qualified testing agency for commercial or industrial use; moving parts of operator enclosed or guarded if exposed and mounted at 8 feet or lower.
4. Motor Exposure: Interior.
5. Emergency Manual Operation: Push-up type.
6. Control Station: Interior-side mounted.
7. Compatible with portable, remote-control operators. Provide one remote-control operator for each door.

I. Door Finish:

1. Baked-Enamel or Powder-Coat Finish: As selected by Architect from manufacturer's full range.
2. Finish of Interior Facing Material: As selected by Architect from manufacturer's full range.

2.4 TRACKS, SUPPORTS, AND ACCESSORIES

A. Tracks: Manufacturer's standard, galvanized-steel track system of configuration indicated, sized for door size and weight, designed for lift type indicated and clearances indicated on Drawings, Provide complete system including brackets, bracing, and reinforcement to ensure rigid support of ball-bearing roller guides for required door type, size, weight, and loading.

1. Track Reinforcement and Supports: Galvanized-steel members to support track without sag, sway, and vibration during opening and closing of doors. Slot vertical sections of track spaced 2 inches (51 mm) apart for door-drop safety device.

B. Weatherseals: Replaceable, adjustable, continuous, compressible weather-stripping gaskets of flexible vinyl, rubber, or neoprene fitted to bottom and top of sectional door unless otherwise indicated.

2.5 HARDWARE

A. General: Heavy-duty, corrosion-resistant hardware, with hot-dip galvanized, stainless steel, or other corrosion-resistant fasteners, to suit door type.

B. Hinges: Heavy-duty, galvanized-steel hinges at each end stile and at each intermediate stile, according to manufacturer's written recommendations for door size. Attach hinges to door sections through stiles and rails.

C. Rollers: Heavy-duty rollers with steel ball-bearings in case-hardened steel races, mounted with varying projections to suit slope of track. Provide 3-inch- (76-mm-) diameter roller tires for 3-inch- (76-mm-) wide track and 2-inch- (51-mm-) diameter roller tires for 2-inch- (51-mm-) wide track.

D. Push/Pull Handles: Equip each push-up operated or emergency-operated door with galvanized-steel lifting handle on inside of door.

2.6 COUNTERBALANCE MECHANISM

A. Torsion Spring: Counterbalance mechanism consisting of adjustable-tension torsion springs fabricated from steel-spring wire complying with ASTM A 229/A 229M, mounted on torsion shaft made of steel tube or solid steel. Provide springs designed for number of operation cycles indicated.

B. Cable Drums and Shaft for Doors: Cast-aluminum or gray-iron casting cable drums mounted on torsion shaft and grooved to receive door-lifting cables as door is raised. Mount counterbalance mechanism with manufacturer's standard ball-bearing brackets at each end of torsion shaft.

C. Cables: Galvanized-steel, multi-strand, lifting cables.

D. Cable Safety Device: Include a spring-loaded steel or spring-loaded bronze cam mounted to bottom door roller assembly on each side and designed to automatically stop door if either lifting cable breaks.

E. Bracket: Provide anchor support bracket as required to connect stationary end of spring to the wall and to level the shaft and prevent sag.

F. Bumper: Provide spring bumper at each horizontal track to cushion door at end of opening operation.

2.7 ELECTRIC DOOR OPERATORS

A. General: Electric door operator assembly of size and capacity recommended and provided by door manufacturer for door and "operation cycles" requirement specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, solenoid-operated brake, clutch, control stations, control devices, integral gearing for locking door, and accessories required for proper operation.

1. Comply with NFPA 70.
2. Control equipment complying with NEMA ICS 1, NEMA ICS 2, and NEMA ICS 6; with NFPA 70, Class 2 control circuit, maximum 24-V ac or dc.

B. Usage Classification: Electric operator and components capable of operating for not less than number of cycles per hour indicated for each door.

C. Door-Operator Type: Unit consisting of electric motor, gears, pulleys, belts, sprockets, chains, and controls needed to operate door and meet required usage classification.

D. Motors: Reversible-type motor with controller (disconnect switch) for motor exposure indicated.

1. Electrical Characteristics: 408V, 3 Phase to be provided for operator.
2. Motor Size: Minimum size as indicated. If not indicated, large enough to start, accelerate, and operate door in either direction from any position, at a speed not less than 8 in./sec. and not more than 12 in./sec., without exceeding nameplate ratings or service factor.

E. Obstruction Detection Device: Automatic external entrapment protection consisting of automatic safety sensor capable of protecting full width of door opening. Activation of device immediately stops and reverses downward door travel.

a. Self-Monitored Entrapment Protection: Photoelectric sensor designed to interface with door-operator control circuit to detect damage to or disconnection of sensor and complying with requirements in UL 325.

F. Control Station: Three-button control station in fixed location with momentary-contact push-button controls labeled "Open", "Close" and "Stop."

1. Interior-Mounted Units: Full-guarded, surface-mounted, heavy-duty type, with general-purpose NEMA ICS 6, Type 1 enclosure.

2. Provide one control station per door. Locate station on the right-hand side of door while facing the exterior.

G. Emergency Manual Operation: Equip electrically powered door with capability for emergency manual operation. Design manual mechanism so required force for door operation does not exceed 25 lbf.

H. Emergency Operation Disconnect Device: Equip operator with hand-operated disconnect mechanism for automatically engaging manual operator and releasing brake for emergency manual operation while disconnecting motor without affecting timing of limit switch. Mount mechanism so it is accessible from floor level. Include interlock device to automatically prevent motor from operating when emergency operator is engaged.

I. Motor Removal: Design operator so motor may be removed without disturbing limit-switch adjustment and without affecting emergency manual operation.

2.8 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM/NOMMA's "Metal Finishes Manual for Architectural and Metal Products (AMP 500-06)" for recommendations for applying and designating finishes.

B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.9 ALUMINUM FINISHES

A. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard baked-on finish consisting of prime coat and thermosetting topcoat. Comply with coating manufacturer's written instructions for cleaning, pretreatment, application, and minimum dry film thickness.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates areas and conditions, with Installer present, for compliance with requirements for substrate construction and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install sectional doors and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; according to manufacturer's written instructions and as specified.

B. Tracks: Provide sway bracing, diagonal bracing, and reinforcement as required for rigid installation of track and door-operating equipment.

C. Accessibility: Install sectional doors, switches, and controls along accessible routes in compliance with regulatory requirements for accessibility.

D. Power-Operated Doors: Install automatic garage doors openers according to UL 325.

E. Provide all interconnecting and control wiring for a complete and operational and system. All control and interconnecting wiring Class 2 and 3 will be routed separately from power, Class 1 circuits in accordance with the NEC.

1. The equipment supplier shall coordinate with the Electrical Contractor as to the terminal connection point to bring the equipment branch circuit. The equipment contractor shall make final branch circuit terminal connections to their equipment.
2. All wiring shall be routed inside electric metallic tubing (EMT). Conduit routing shall be reviewed in the field and approved by the Owner.
3. Runs shall be perpendicular along face of walls, ceilings or framing and tight to corners. Conduit runs below the ceiling or roof framing shall be approved at the discretion of the Owner. Contractor shall provide all supports, bracing and anchorage required for a rigid and fully supported installation with no sway or deflection. Horizontal runs shall be not less than 9 feet above the floor or the tallest door opening in the space, whichever is greater.

3.3 STARTUP SERVICES

A. Engage a factory-authorized service representative to perform startup service.

1. Complete installation and startup checks according to manufacturer's written instructions.
2. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

3.4 ADJUSTING

A. Adjust hardware and moving parts to function smoothly so that doors operate easily, free of warp, twist, or distortion.

1. Adjust exterior doors and components to be weather-resistant.

B. Lubricate bearings and sliding parts as recommended by manufacturer.

C. Adjust seals to provide tight fit around entire perimeter.

D. Align and adjust motors, pulleys, belts, sprockets, chains, and controls according to manufacturer's written instructions.

E. Touch-up Painting: Immediately after welding galvanized materials, clean welds and abraded galvanized surfaces and repair galvanizing to comply with ASTM A 780.

END OF SECTION 083613

SECTION 011200 - MULTIPLE CONTRACT SUMMARY - *REV*

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.

B. Specific requirements for work of each contract are also indicated in individual Specification Sections and on Drawings.

C. Related Sections:

1. Division 1 Section "Summary" for the Work covered by the Contract Documents, restrictions on use of the project site, coordination with occupants, and work restrictions.
2. Division 1 Section "Project Management and Coordination" for general coordination requirements.

1.3 DEFINITIONS

A. Permanent Enclosure: As determined by Architect, the condition at which roofing is insulated and weathertight; exterior walls are insulated and weathertight; and all openings are closed with permanent construction or substantial temporary closures equivalent in weather protection to permanent construction.

1.4 GENERAL REQUIREMENTS OF CONTRACTS

A. Extent of Contract: Unless the Agreement contains a more specific description of the work, requirements indicated on Drawings and in Specification Sections determine which contract includes a specific element of Project.

1. Unless otherwise indicated, the work described in this Section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the Contract Documents.
2. Trenches and other excavation for the work of each contract shall be the work of each contract for its own work.
3. Blocking, backing panels, sleeves, and metal fabrication supports for the work of each contract shall be the work of each contract for its own work.

4. Painting for the work of each contract shall be the work of the General Construction Contract, unless otherwise noted.
5. Equipment pads for the work of each contract shall be the work of each contract for its own work.
6. Roof-mounted equipment curbs for the work of each contract shall be the work of the Mechanical Construction Contract, unless otherwise noted.
7. Cutting and Patching: Provided by the General Construction Contract.
8. Through-penetration firestopping for the work of each contract shall be provided by each contract for its own work.

B. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with remainder of the work.

C. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Section 015000 "Temporary Facilities and Controls," each contractor is responsible for the following:

1. Installation, operation, maintenance, and removal of each temporary facility necessary for its own normal construction activity, and costs and use charges associated with each facility, except as otherwise provided for in this Section.
2. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
3. Its own field office, complete with necessary furniture, utilities, and telephone service.
4. Its own storage and fabrication sheds.
5. Temporary enclosures for its own construction activities.
6. Staging and scaffolding for its own construction activities.
7. Barricades, warning signs, and lights.
8. General hoisting facilities for its own construction activities, except as otherwise provided for in this Section.
9. Waste disposal facilities, including collection and legal disposal of its own hazardous, dangerous, unsanitary, or other harmful waste materials.
10. Progress cleaning of work areas affected by its operations on a daily basis.
11. Secure lockup of its own tools, materials, and equipment.
12. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.

D. NOT USED.

1.5 GENERAL CONSTRUCTION CONTRACT (GC-1)

A. Work in the General Construction Contract includes, but is not limited to, the following:

1. Contract includes all work not specifically assigned to any other Contract and generally consists of all work shown on the sheets G, C, S and A-series unless otherwise noted.
2. Miscellaneous items, including flashing, painting.
3. NOTE: Building permit by GC.

B. Temporary facilities and controls in the General Construction Contract include, but are not limited to, the following:

1. Temporary facilities and controls that are not otherwise specifically assigned to the Mechanical or Electrical Contract.
2. Temporary signage.
3. General waste disposal facilities.
4. Barricades, warning signs, and lights.
5. Security enclosure and lockup.
6. Restoration of Owner's existing facilities used as temporary facilities.

1.6 MECHANICAL CONTRACT (MC-1)

A. Work in the Mechanical Contract generally includes, but is not limited to, the following:
1. Site hydronic distribution.
2. HVAC systems and equipment, including all crane and rigging operations.
3. HVAC instrumentation and controls.
4. HVAC testing, adjusting, and balancing.
5. Building automation system.
6. Mechanical connections to equipment furnished by the Mechanical Construction Contract.

B. Temporary facilities and controls in the Mechanical Contract include, but are not limited to, the following:
1. Building mechanical instrumentation and controls
2. Temporary means of heating (via Allowance Item ALM-1)

C. All work shown on M series sheets shall be the responsibility of the Mechanical Contractor, unless otherwise noted.

1.7 ELECTRICAL CONTRACT (EC-1)

A. Work in the Electrical Contract includes, but is not limited to, the following:
1. Electrical feeder disconnects and backboard.
2. Electrical cables, conduits, trenching and restoration.
3. Electrical connections to equipment
4. Electrical disconnection and reconnection to existing fire alarm system.
5. Backboard communication system.

B. Temporary facilities and controls in the Electrical Contract include, but are not limited to, the following:
1. Revise list below to suit Project.
2. Electric power service and distribution.
3. Lighting, including temporary area lighting for interior work.
4. Electrical connections to existing systems and temporary facilities and controls furnished by other Contracts.

C. All work shown on E, ET, and FA series sheets shall be the responsibility of the Electrical Contractor, unless otherwise noted.

1.8 PLUMBING CONTRACT (PC-1)

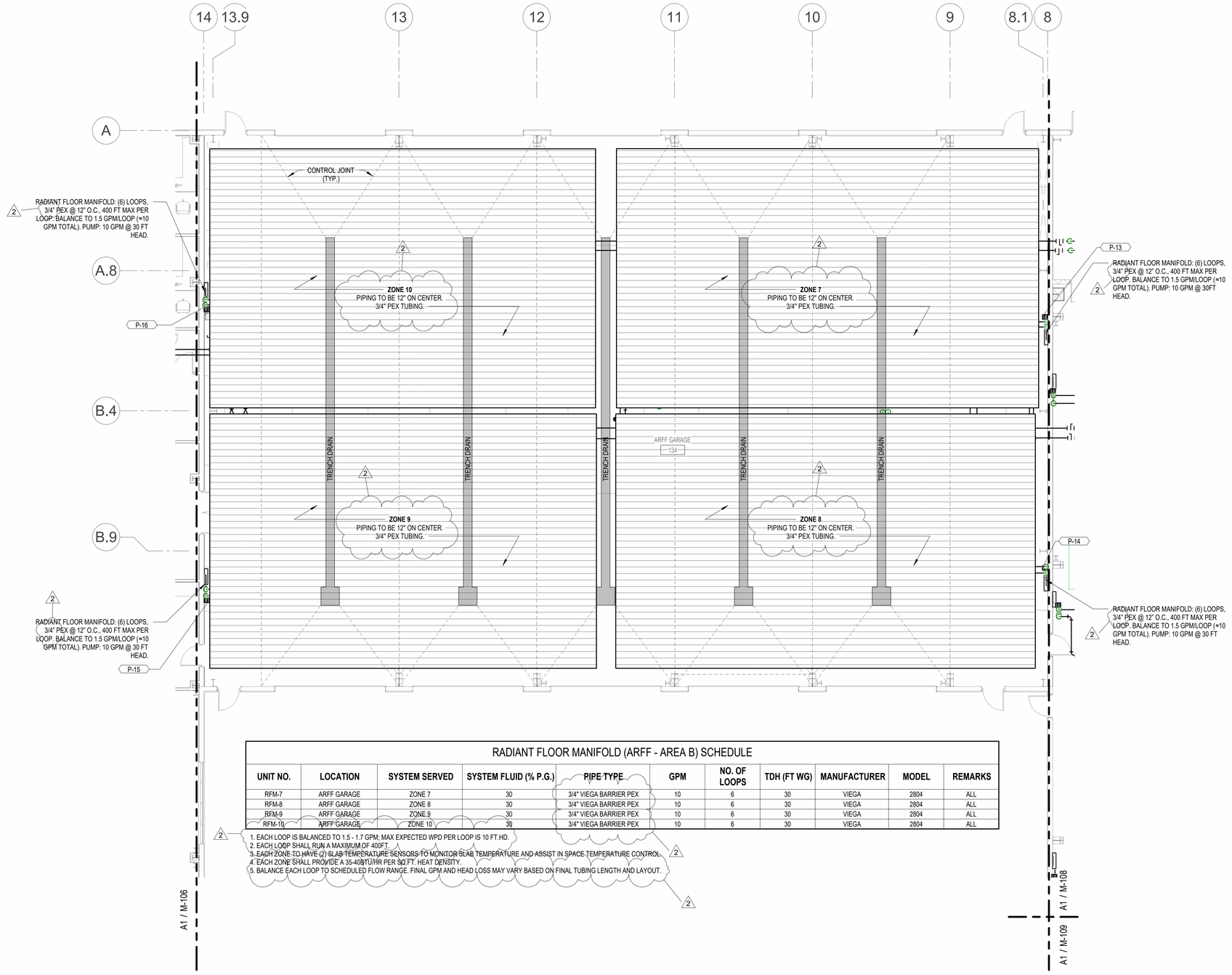
A. Work in the Plumbing Contract includes, but is not limited to, the following:
   1. Sanitary and domestic water systems.
   2. Fire suppression sprinkler systems
   3. Compressed air systems
   4. Booster pumps

B. All work shown on the P and FP-series sheets shall be the responsibility of the Plumbing Contractor, unless otherwise noted.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011200



RADIANT FLOOR MANIFOLD (ARFF - AREA B) SCHEDULE

UNIT NO.	LOCATION	SYSTEM SERVED	SYSTEM FLUID (% P.G.)	PIPE TYPE	GPM	NO. OF LOOPS	TDH (FT WG)	MANUFACTURER	MODEL	REMARKS
RFM-7	ARFF GARAGE	ZONE 7	30	3/4" VIEGA BARRIER PEX	10	6	30	VIEGA	2804	ALL
RFM-8	ARFF GARAGE	ZONE 8	30	3/4" VIEGA BARRIER PEX	10	6	30	VIEGA	2804	ALL
RFM-9	ARFF GARAGE	ZONE 9	30	3/4" VIEGA BARRIER PEX	10	6	30	VIEGA	2804	ALL
RFM-10	ARFF GARAGE	ZONE 10	30	3/4" VIEGA BARRIER PEX	10	6	30	VIEGA	2804	ALL

1. EACH LOOP IS BALANCED TO 1.5 - 1.7 GPM; MAX EXPECTED WPD PER LOOP IS 10 FT.HD.
2. EACH LOOP SHALL RUN A MAXIMUM OF 400FT.
3. EACH ZONE TO HAVE (2) SLAB TEMPERATURE SENSORS TO MONITOR SLAB TEMPERATURE AND ASSIST IN SPACE TEMPERATURE CONTROL.
4. EACH ZONE SHALL PROVIDE A 35-40BTU/HR PER SQ FT. HEAT DENSITY.
5. BALANCE EACH LOOP TO SCHEDULED FLOW RANGE. FINAL GPM AND HEAD LOSS MAY VARY BASED ON FINAL TUBING LENGTH AND LAYOUT.

PLAN NORTH

A1 RADIANT FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

C&S COMPANIES®
C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

CERTIFICATE OF AUTHORIZATION# 0021365

STATE OF NEW YORK · ANDREW J. MILNE · LICENSED PROFESSIONAL ENGINEER · 108861

4/2/2026

REGISTRATION EXPIRES: 10/31/2026

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NEW ARFF/SRE BUILDING
ITHACA TOMPKINS
INTERNATIONAL AIRPORT
72 BROWN ROAD
ITHACA, NY 14850

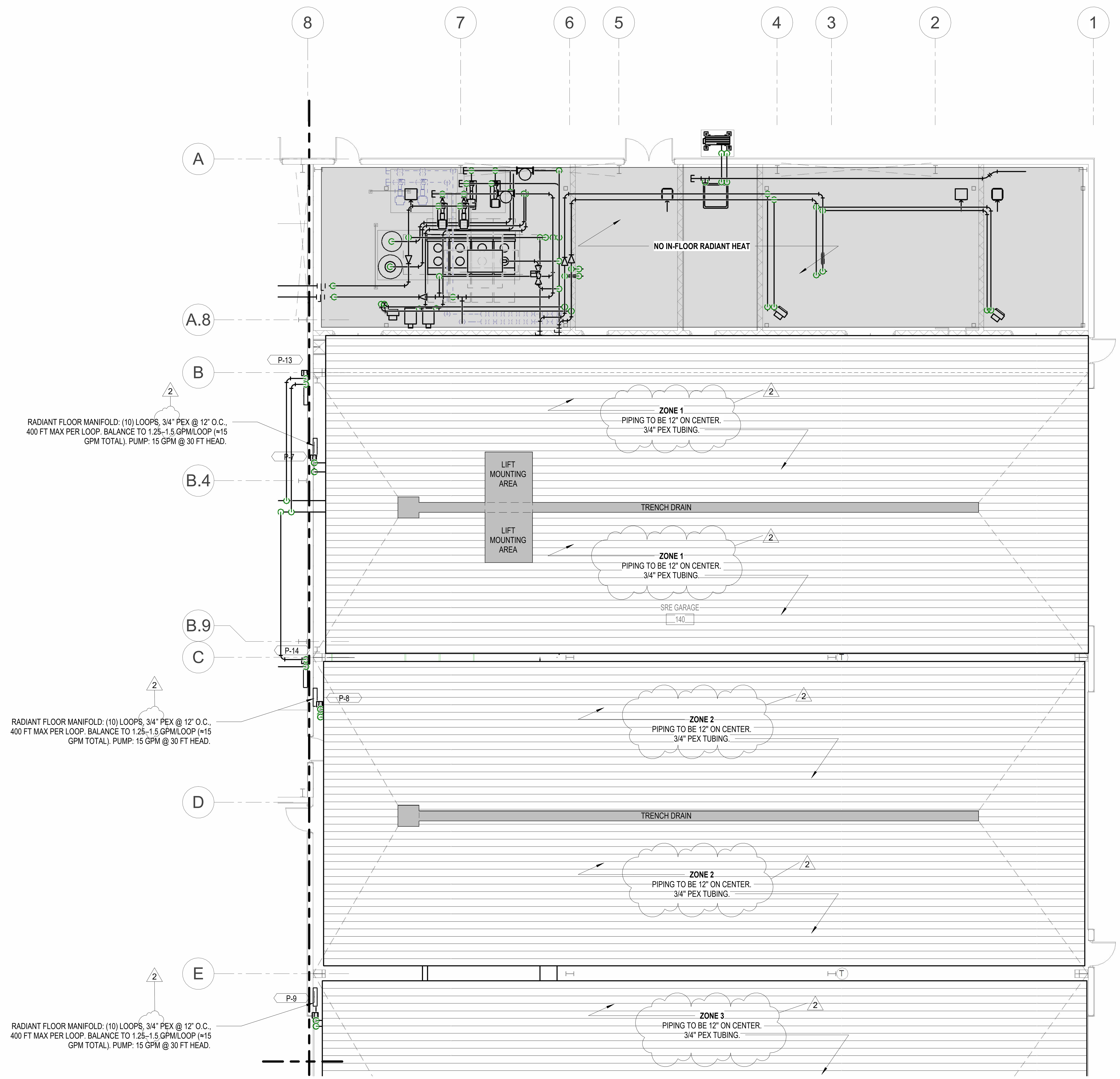
MARK	DATE	DESCRIPTION
2	4/2/26	ADDENDUM NO. 2

REVISIONS

PROJECT NO: 158.095.001
DATE: MARCH 2026
DRAWN BY: A.M. CALABRESE
DESIGNED BY: A.M. CALABRESE
CHECKED BY: A.J. MILNE, P.E.

FIRST FLOOR IN FLOOR HEATING - AREA B (ADD ALT. NO. 1)

M-110



RADIANT FLOOR MANIFOLD (SRE - AREA C) SCHEDULE

UNIT NO.	LOCATION	SYSTEM SERVED	SYSTEM FLUID (% P.G.)	PIPE TYPE	GPM	NO. OF LOOPS	TDH (FT WG)	MANUFACTURER	MODEL	REMARKS
RFM-1	SRE GARAGE	ZONE 1	30	3/4" VIEGA BARRIER PEX	15	10	30	VIEGA	2804	ALL
RFM-2	SRE GARAGE	ZONE 2	30	3/4" VIEGA BARRIER PEX	15	10	30	VIEGA	2804	ALL
RFM-3	SRE GARAGE	ZONE 3	30	3/4" VIEGA BARRIER PEX	15	10	30	VIEGA	2804	ALL

1. EACH LOOP IS BALANCED TO 1.0 - 1.7 GPM; MAX EXPECTED WPD PER LOOP IS 10 FT.HD.
2. EACH LOOP SHALL RUN A MAXIMUM OF 400FT.
3. EACH ZONE TO HAVE (2) SLAB TEMPERATURE SENSORS TO MONITOR SLAB TEMPERATURE AND ASSIST IN SPACE TEMPERATURE CONTROL.
4. EACH ZONE SHALL PROVIDE A 35-40BTU/HR PER SQ.FT. HEAT DENSITY.
5. BALANCE EACH LOOP TO SCHEDULED FLOW RANGE. FINAL GPM AND HEAD LOSS MAY VARY BASED ON FINAL TUBING LENGTH AND LAYOUT.

PLAN NORTH

0 4' 8' 16'

A1 RADIANT FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"

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C&S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, New York 13212
Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

CERTIFICATE OF AUTHORIZATION# 0021365
STATE OF NEW YORK · ANDREW J. MILNE · 108861 · LICENSED PROFESSIONAL ENGINEER
REGISTRATION EXPIRES: 10/31/2026

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NEW ARFF/SRE BUILDING
ITHACA TOMPKINS INTERNATIONAL AIRPORT
72 BROWN ROAD
ITHACA, NY 14850

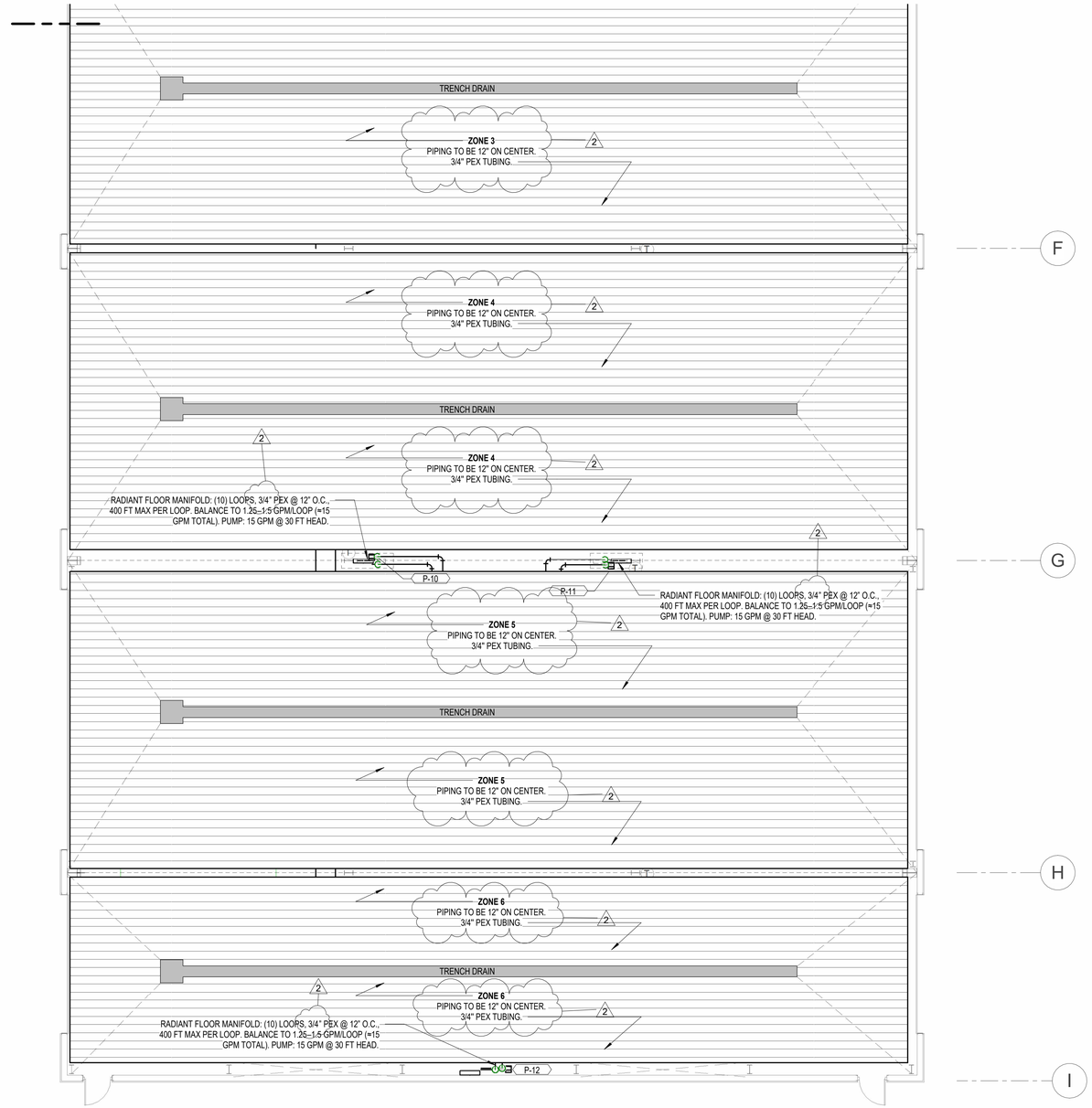
MARK	DATE	DESCRIPTION
2	4/2/26	ADDENDUM NO. 2

REVISIONS

PROJECT NO: 158.095.001
DATE: MARCH 2026
DRAWN BY: A.M. CALABRESE
DESIGNED BY: A.M. CALABRESE
CHECKED BY: A.J. MILNE, P.E.

FIRST FLOOR IN FLOOR HEATING - AREA C

M-111



RADIANT FLOOR MANIFOLD (SRE - AREA D) SCHEDULE

UNIT NO.	LOCATION	SYSTEM SERVED	SYSTEM FLUID (% P.G.)	PIPE TYPE	GPM	NO. OF LOOPS	TDH (FT WG)	MANUFACTURER	MODEL	REMARKS
RFM-4	SRE GARAGE	ZONE 4	30	3/4" VIEGA BARRIER PEX	15	10	30	VIEGA	2804	
RFM-5	SRE GARAGE	ZONE 5	30	3/4" VIEGA BARRIER PEX	15	10	30	VIEGA	2804	
RFM-6	SRE GARAGE	ZONE 6	30	3/4" VIEGA BARRIER PEX	15	10	30	VIEGA	2804	

1. EACH LOOP IS BALANCED TO 1.0 - 1.7 GPM; MAX EXPECTED WPD PER LOOP IS 10 FT.HD.
2. EACH LOOP SHALL RUN A MAXIMUM OF 400FT.
3. EACH ZONE TO HAVE (2) SLAB TEMPERATURE SENSORS TO MONITOR SLAB TEMPERATURE AND ASSIST IN SPACE TEMPERATURE CONTROL.
4. EACH ZONE SHALL PROVIDE A 35-40BTU/HR PER SQ.FT. HEAT DENSITY.
5. BALANCE EACH LOOP TO SCHEDULED FLOW RANGE. FINAL GPM AND HEAD LOSS MAY VARY BASED ON FINAL TUBING LENGTH AND LAYOUT.

PLAN NORTH

A1 RADIANT FLOOR PLAN - AREA D
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

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C&S Engineers, Inc.
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Phone: 315-455-2000
Fax: 315-455-9667
www.cscos.com

CERTIFICATE OF AUTHORIZATION# 0021365

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4/02/2026
REGISTRATION EXPIRES: 10/31/2026

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ITHACA, NY 14850

MARK	DATE	DESCRIPTION
2	4/2/26	ADDENDUM NO. 2

REVISIONS

PROJECT NO:	158.095.001
DATE:	MARCH 2026
DRAWN BY:	A.M. CALABRESE
DESIGNED BY:	A.M. CALABRESE
CHECKED BY:	A.J. MILNE, P.E.

FIRST FLOOR IN FLOOR HEATING - AREA D

M-112

doors include several requirements that appear to be conflicting or not applicable to electrically operated doors. Please clarify the following: (1) The specifications require lock cylinders, locking provisions, and slide bolts. For doors of this size and application, manual locking is typically not required, as the doors cannot be readily forced open, and inclusion of such hardware may unnecessarily increase cost and add complexity. Please confirm whether manual locking devices are required. (2) The specifications call for an emergency manual crank operator. For this application, a chain hoist is standard. Please confirm the intended emergency operation method. (3) The specifications require a pull-down strap and an automatic-closing device, which are typically associated with manually operated doors. Please confirm if these are required. (4) The specifications call for a pneumatic sensing edge. Per UL 325, a non-monitored device requires constant-pressure (hold-to-run) closing, meaning the user must hold the close button continuously. Momentary-contact closing requires a monitored device such as photo eyes or a monitored electric sensing edge. Please confirm the required entrapment protection and intended method of operation. (5) No remote control transmitters are specified, which is unusual for apparatus bay doors. Please confirm if remote operation devices are required. Conflicting stainless steel finishes are specified (No. 2B and No. 4). (6) Please confirm the required finish.

   A. (1) Manual locking devices are not required.
   B. (2) Provide manual crank operator.
   C. (3) The pull-down strap and automatic-closing device are not required.
   D. (4) Provide monitored safety devices (photoelectric sensors) so that constant pressure buttons are not required.
   E. (5) Provide one remote control transmitter for each door.
   F. (6) Provide galvanized steel with a baked enamel or powder coated finish with color to be chosen by the architect during submittal review.

3. **Q7: Fire Alarm System Tie In**: Fire Detection System Specification Section 283111 2.2 indicates the existing airport fire alarm system to be Mircom. The Mircom fire alarm system was replaced in 2019/2020 with an Edwards EST-3 fire detection system. Will the new ARFF/SRE buildings fire detection system have any tie or communication with the existing airport Edwards EST-3 main terminal fire alarm system?
   A. Utilize Edwards EST-3 for ARFF/SRE. There will be no tie or communication with the existing airport Edwards EST-3 main terminal fire alarm system.
4. **Q8: Door Control Panel Tie In**: For Specification Section 281300 Access Control System, will the new section 281300 2.2 Amag M2150 door control panel located in MTR-137 be communicating to the existing airport Amag Symmetry access control system server over the airports existing LAN? Or is the ARFF/SRE Building a new standalone system?
   A. The ARFF/SRE panel will communicate with the existing Airport system over the airport LAN.
5. **Q9: Access Control System Management**: For Specification Section 281300 Access Control System, are there any Amag Symmetry client licenses required or will airport personnel be managing the new ARFF/SRE Building access control system from the existing Amag Symmetry server & clients.
   A. Provide 1 additional client license.
6. **Q10: Video Management Intent**: For Specification Section 282300 Video Surveillance, it appears on drawing ET-502 Detail B3 that a new network video recorder (NVR) is being requested. Is the intent for this new NVR to captured as a part of the existing Airport Salient Systems CompleteView video management system such that the end user can view/control all their existing cameras and the new ARFF/SRE Building cameras from their existing Salient Systems

CompleteView software application? Or is the ARFF/SRE Building a new standalone system?

A. The intent is to add the new NVR to the existing system, to provide storage for the additional cameras. The end user will be able to view all the cameras at the airport.

7. **Q11: Bid Date Extension**: Due to multiple large projects bidding in the days leading up to the current bid date, along with pre-planned vacation of key personnel in our office, Fahs Construction Group would like to request a 1 week bid date extension.
   A. There is no bid date extension due to grant funding deadlines.

8. **Q12: Sitework (Phase 1):** The extent of the sitework under a separate contract is undefined, please provide clarification of inclusions and exclusions.
   A. Contract drawings for the Site Package (Phase 1) can be downloaded from this site: **https://cscos-my.sharepoint.com/:b:/p/thorth/IQBcsoSAlXMNTqb9B36VZ3QFATRuM0sThynlYjgP63Skx94?e=2OoRaq**

9. **Q13: PHASE 1 SITEWORK – UTILITIES:** Will all Utilities be located by the Site Contractor performing the separate contract work?
   A. Yes, generally all utilities will be located under the Phase 1/sitework contract and capped except for the electrical distribution system. See Phase 1 drawings which have been issued as part of this Addendum (Item 8, Q12).

10. **Q14: ARCHITECTURAL INTERIOR ELEVATIONS:** Will Architectural Interior Elevation Drawings of Areas B, C, and D be provided? There appears to be possible casework drawn on west wall of A-101B and north wall of A-101C. Drawing A-302 indicates all casework "NOT IN CONTRACT." Please Advise.
    A. Elevations will not be provided as there isn't any additional information to be conveyed on them. There is not any casework on the walls in question and the notes on A-302 are there just to reiterate/clarify that work in Area A is not in contract.

11. **Q15: Metal Roofing:** Is 24 gauge standing seam roof acceptable?
    A. 24-gauge roofing will be acceptable but will be required to have data provided indicating that it can meet the required spans and structural loading requirements of the project.

12. **Q16: Security Question:** Is the intent for the General Contractor to provide a full-time security officer at the access gate entry point to control who is entering site? Please clarify further intent.
    A. The need to provide a full-time security officer will be contingent upon the proposed sequencing of work. The majority of new work under this contract will occur within a secure fenced-in area with gated access at 2 locations. One of the access gates is mechanically operated; the other is manually operated. At no time shall either of these gates be left open and unattended. It is anticipated that the need to provide full-time oversight will be greater during times of equipment and material deliveries within the fenced area. Note that all delivery vehicles will need to be escorted into the fenced-in area.

13. **Q17: Insurance Requirements:** Please provide a complete list of insurance requirements.
    A. Insurance requirements are provided in Appendix B of the Word document titled *"ARFF-*

SRE Building Phase 2 ARFF-SRE Building Package RFP FINAL DRAFT " that is part of the bidding documents.

14. **Q18: Spec 011200-2:** Spec 011200-2 notes that General Contract is responsible for temporary heating and cooling. Please confirm this is really under the mechanical contract as they have an allowance specifically for this.
    A. Section 1.4.D of Spec 011200 does not apply. Revised Spec 011200 – Multiple Contract Summary has been issued as part of this Addendum.

15. **Q19: Drawing C-102:** Drawing C-102: If alternate #1 is not selected should the area where the ARFF building is going along with the new concrete pads as part of alternate #1 be heavy duty asphalt pavement?
    A. No. If Alternate #1 is not awarded reserved for the future ARFF Building will remain as a granular subbase; see Phase 1 site package drawings that have been included as part of this Addendum (Item 8, Q12).

16. **Q20: Drawing C-102:** Please further clarify and delineate on drawings what is part of Phase 1 work (separate contract). Reviewing the drawings this is not clear. For example, reviewing drawing C-102 site plan it appears all the work on this drawing would be part of this contract. Reading the addendum #1 issued meeting minutes from Prebid meeting this does not appear to be the case.
    A. Site work under this contract will consist of heavy duty asphalt pavement sections where indicated, asphalt surface course, pavement markings, concrete apron adjacent to the buildings, pad-mounted transformer, EV chargers, site lighting, backup generator and bollards (if awarded).
    B. Contract drawings for the Site Package (Phase 1) can be downloaded from this site: **https://cscos-my.sharepoint.com/:b:/p/thorth/IQBcsoSAlXMNTqb9B36VZ3QFATRuM0sThynlYjgP63Skx94?e=2OoRaq**

17. **Q21: Drawing G-102:** Is the temporary fencing, staging area, and interlocking barricades identified on G-102 all part of phase #1 (Separate Contract)? If the temp fencing is under this contract, please provide a temp fencing detail.
    A. No temporary fencing is required as part of this contract. Interlocking barricades will be required. Temporary Barricades will also be required under Phase 1 for the site work, however these will be procured and maintained by the Site GC as part of the Phase 1 contract.

18. **Q22: Phase 1 Work:** What contractor is performing the phase 1 work? Has this been awarded yet?
    A. Fahs Construction has been awarded the Phase 1-Site work contract.

19. **Q23: Paving Scope:** Please further clarify the extent of the paving work under this contract?
    A. See response to Question 20/Item 16 addressed as part of this Addendum.

20. **Q24: Storm Drainage:** Is all below grade storm drainage work identified A3 / C-502 part of the phase #1 contract (separate contract)?
    A. Yes. See Phase1 contract drawings that have been provided as part of this Addendum.

21. **Q25: Rigid Insulation**: What are the extents of the under slab rigid insulation? Is this 2" rigid? Is there a certain psi rating?
    A. Rigid insulation shall be continuous under the heated portions of the slab. The insulation is required to have a minimum thermal resistance value rating of R-5 which typically equates to 1" thick and the minimum compressive strength required is 25psi.

22. **Q26: Drawing C-001, Item #22:** We respectfully request that this language be removed from the contract. As currently written, the clause places full responsibility on the contractor for potential cost escalations in unit-priced bid items, including those driven by unpredictable market volatility. Given the current economic environment and the potential for significant fluctuations in material and supply costs, this provision creates an undue level of risk that is difficult to reasonably quantify at the time of bidding.
    A. Unfortunately, this requirement cannot be omitted from the contract as it is a mandatory stipulation by FAA as part of the AIP grant program.

23. **Q27: Prime Scope Question:** Please confirm each prime contractor is responsible for their own excavation and backfill along with cutting and patching work.
    A. Unless stated otherwise, each prime contractor is responsible for their own excavation, backfill, cutting and patching work.

24. **Q28: Prime Scope Question:** Please confirm each prime contractor is responsible for their own equipment pads.
    A. Yes. Each prime contractor will be responsible for furnishing their own equipment pads.

25. **Q29: Detail A3 / A-301: Detail A3 / A-301:** Is that a piece of sheathing directly beneath the metal roof panel? Please confirm. If this is sheathing, please also confirm it is not the entire roof area.
    A. There is no sheathing beneath any of the metal roof panels. The linework directly below the panels represents the continuous upper layer of the roof insulation system.

26. **Q30: PEMB Supplier:** Please confirm alternate PEMB manufacturers would be acceptable in addition to the three companies listed assuming they are an equal to spec?
    A. Yes, alternate suppliers to those listed will be acceptable as long as they meet the design requirements laid out in the contract documents.

27. **Q31: Spec 066400:** Please provide a specific material for this spec. Also, please provide locations. Is this intended to be the perimeter liner paneling within PEMB?
    A. The material specified in this division is the FRP indicated on the drawings (bath/shower/janitor wall finish) which is not in contract.

28. **Q32: Spec Sections:** Are spec section 101423, 102800, 104413, 104416 and 105143 applicable to this project? Please confirm they are part of a separate project.
    A. Following are the requirements for the spec sections in question:
        - 101423 – Panel Signage – Provide signage for all rooms in contract
        - 102800 – Toilet, Bath and Laundry Accessories – Not in contract
        - 104413 – Fire Protection Cabinets – Not in contract
        - 104416 – Fire Extinguishers – Provide extinguishers as shown on Drawing A-002
        - 105143 – Wire Mesh Storage Lockers – Not in contract

29. **Q33: Spec 105226:** Please provide a specific lift to price.
    A. Basis of design lift is MOHAWK MODEL SYSTEM IA-10.

30. **Q34: Overhead Doors – Alternate #1:** Please provide a specification for the alternate #1 Overhead Doors.
    A. Refer to Section 083613 - Sectional Doors which has been made part of this Addendum.

GENERAL:

1. Bids are due on **Thursday, April 23, 2026 at 2:00pm**. Upload one full copy of the completed Proposal Section only (plus bond) at the following location: https://www.tompkinscountyny.gov/All-Departments/Finance-Department/Purchasing-Division

   Respondents who do not have or cannot obtain internet access must contact the Purchasing Division, (607) 274-5500 for further submission instructions.

   i. Scanned copies of bid security/bid bond are acceptable when uploading proposal to BidNet. The official closing date for this bid is 4/23/2026. All scanned submissions are due in Bidnet by the 2pm ET deadline on that day.

   ii. Mail or hand deliver One (1) Original and One (1) Copy of completed Proposal Forms enclosed, including Federal certifications, Certification for Receipt of Addenda (if issued), and original 10% Bid Bond in a sealed envelope to the following address for receipt within 2 business days of bid opening:

   Ithaca Tompkins International Airport
   Attn: Ms. Roxan Noble, Airport Director
   72 Brown Road
   Ithaca, NY 14850

   Label the envelope:
   "*Proposal for New ARFF/SRE Building – Phase 2 (ARFF/SRE Building)"*

END OF ADDENDUM

C&S ENGINEERS, INC.

Francesca K. Neiley, P.E.
Principal Engineer