ADDENDUM NO. 1

to the Contract Documents
for the Construction of the

TERMINAL EXIT LANE IMPROVEMENTS

at

SYRACUSE HANCOCK INTERNATIONAL AIRPORT
SYRACUSE REGIONAL AIRPORT AUTHORITY
SYRACUSE, NEW YORK

IFB REFERENCE #2020-03

TO ALL HOLDERS 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 **TERMINAL EXIT LANE IMPROVEMENTS** project at the Syracuse Hancock International Airport, Syracuse, New York. This Addendum is part of the Contract Documents in accordance with the provisions of Section 20-15, Addenda and Interpretation.

GENERAL:

1. Refer to attached document for summary of responses to inquiries received.

2. There is no change to the bid opening date and time.

ON THE CONTRACT SPECIFICATIONS:

1. **REMOVE** Specification 081216 - *Interior Aluminum Doors and Frames* in its entirety, and **SUBSTITUTE THEREFORE** with attached Specification of the same title, identified as Addendum 1.

2. **REMOVE** Specification 088000 - *Glazing* in its entirety, and **SUBSTITUTE THEREFORE** with attached Specification of the same title, identified as Addendum 1.

ON THE CONTRACT PLANS:

1. **REMOVE** A-001 in its entirety, and **SUBSTITUTE THEREFORE** with attached A-001. Revisions are marked with 1

2. **INSERT** new Sheet A-002, *BUILDING CODE INFORMATION*.

3. **REMOVE** A-151 in its entirety, and **SUBSTITUTE THEREFORE** with attached A-151. Revisions are marked with 1

4. **REMOVE** A-152 in its entirety, and **SUBSTITUTE THEREFORE** with attached A-152. Revisions are marked with 1

5. **REMOVE** A-201 in its entirety, and **SUBSTITUTE THEREFORE** with attached A-201. Revisions are marked with 1

6. **REMOVE** F-101 in its entirety, and **SUBSTITUTE THEREFORE** with attached F-101. Revisions are marked with 1

7. **REMOVE** F-102 in its entirety, and **SUBSTITUTE THEREFORE** with attached F-102. Revisions are marked with 1

8. **REMOVE** ED-101 in its entirety, and **SUBSTITUTE THEREFORE** with attached ED-101. Revisions are marked with 1

9. **REMOVE** ED-102 in its entirety, and **SUBSTITUTE THEREFORE** with attached ED-102. Revisions are marked with 1

10. **REMOVE** E-101 in its entirety, and **SUBSTITUTE THEREFORE** with attached E-101. Revisions are marked with 1

11. **REMOVE** E-102 in its entirety, and **SUBSTITUTE THEREFORE** with attached E-102. Revisions are marked with 1

END OF ADDENDUM NO. 1

C&S ENGINEERS, INC.

Thomas J. Horth, P.E.
Principal Engineer

April 1, 2020

(VIRTUAL) PRE-BID MEETING MINUTES
FOR
TERMINAL EXIT LANE IMPROVEMENTS
AT
SYRACUSE HANCOCK INTERNATIONAL AIRPORT
SYRACUSE, NEW YORK

Virtual Pre-Bid Meting: SYR Exit Lane Improvements
Meeting URL: https://cscos.zoom.us/j/509628471
Meeting ID: 509 628 471
Dial: (888) 475-4499 US [Toll-free]

- Project Advertises: 3/23/20
- Virtual Pre-Bid Conference: 4/1/20, 11am, ----via Zoom meeting, site visits afterward (by appt. only)
- Deadline for receiving bids: 4/16/20, 1:30 PM
- Virtual Bid Opening: 4/16/20, 1:30 PM ----via Zoom meeting

I. INTRODUCTION & ATTENDEES:

1. *Linda Ryan:RyanL@syrairport.org*
2. *Brian Dorman: DormanB@syrairport.org*
3. *Tim McMahon: McMahonT@syrairport.org*
4. *Beth Cooper: CooperB@syrairport.org*
5. *Al Overend; OverendA@syrairport.org*
6. *Scott Shova: shova@cscos.com*
7. *Francesca Neiley: fneiley@cscos.com*
8. *Patrick Malloy; pmalloy@cscos.com*
9. *Shelby Davis: sdavis@cscos.com*
10. *Tom Horth: thorth@cscos.com*
11. *Rob Yenney: robert@bellowsconst.com*
12. *Scott Weir: sweir@murnanebuilding.com*
13. *Paul Gubbins, Jr.: pgubbins@ridleyelectric.com*
14. *Chris Randall: crandall@ridleyelectric.com*
15. *Eric Ames: Eames@rjortlieb.com*
16. *Rob Wurz: RWurz@rjortlieb.com*
17. *David Pickers: david.pickers@recorddoors.com*
18. *Bill Seibert: bill.seibert@dormakaba.com*
19. *Alyssa Mathes: alyssa.mathes@convergint.com*
20. *Kevin Brooks*
21. *Vijay Kumar*
22. *Herve Muller: hmuller@go-easier.com*

II. PROJECT DESCRIPTION

A. General Description:

The proposed project generally includes replacement of (8) exit portals [(4)-North Concourse, (4)-South Concourse] with (6) new walk-through exit lane breach control systems [(3)-North Concourse, (3)-South Concourse], modification of existing fire protection system and installationg of new fire alarm system, new power and data feeds, and associated general construction work. GC contract includes temporary custom signage for pedestrian bypass and egress routes.

The following Contracts are involved in the Exit Lane Improvement Project:

1. **General Contract**: Work associated with the Exit Lane Improvement. The contract includes all work not specifically assigned to any other contract and generally consists of all work shown on sheets G, C, A, unless otherwise noted.

2. **Electrical Contract:** Work shown on sheets E, ED, unless otherwise noted.

3. **Plumbing Contract:** Work shown on sheets F unless otherwise noted.

Currently, schedule assumes a **mid-May 2020 NTP**, with a **120 calendar day substantial** completion date. Substantial completion shall be considered the stage at which the new exit lane breach control systems are in place and operational at both North and South concourses, and temporary pedestrian access routes are no longer required.

In-person project site reviews shall be conducted by appointment **only during April 6th-9th**. Prospective bidders shall contact Mr. Brian Dorman at DormanB@syrairport.org and Mr. Tim McMahon at McMahonT@syrairport.org to schedule an appointment and to confirm logistics.

B. Special Items:

1. Funding: 100% SRAA (Authority)

   30% Combined M/WBE and 6% SDVOB Goals apply to this project. Bidders share expected to seek participation from qualified M/WBE and SDVOB entities. Good Faith Efforts toward M/WBE goal attainment is essential to the award process. The key factor is that the prospective bidders document everything they do in their attempts to reach the goals (aka GOOD FAITH EFFORTS). Refer to the M/WBE Registry link https://ny.newnycontracts.com/ to perform searches for NYS - certified firms based on the scope of work and project location. A directory of NYS Certified SDVOBs can be accessed at https://ogs.ny.gov/Core/SDVOBA.asp.

2. Goals must be met unless otherwise approved through a formal waiver process.

3. See page **PROPOSAL-15** for required forms to be submitted with the proposal.

4. **Disincentive Clauses/Liquidated Damages (LDs)**

   a. Daily cost for disincentive: $2,500.00
   b. Date for imposing LDs is 120 Calendar Days from NTP

c. No limit on duration of disincentive payment.

5. Plan holders must be registered with C&S Engineers, attn. Ms. Shelby Davis at SDavis@cscos.com in order to receive Addenda.

6. Completed Proposal section (only) required to be submitted with your bid. Two (2) proposals required to be submitted, one original and one copy or two originals, along with USB or CD, refer to checklist in proposal for additional requirements.

III. SAFETY AND OPERATIONAL REQUIREMENTS

A. Security Requirements

1. Contract requires Contractor's and subcontractors' employees working in the secure areas to be badged.
   Each employees shall have either an ID Badge or be escorted by someone with an ID Badge.

2. One ID Badged person may escort up to 5 workers, as long as the workers are under the ID Badged person's control. Control in this situation means that the worker shall be within earshot of the Contractor's Escort. Each Contractor Escort must know which workers they are responsible for, and each worker must know who their Contractor Escort is at all times.

3. Persons who need an ID Badge must get the original forms from the Airport Security Office. **Forms can be obtained by calling Ms. Beth Cooper at 315-454-3263**. Applicants shall contact Ms. Cooper to return the completed forms to the Security Office in person, where the applicant will be fingerprinted. After processing the fingerprint application, and upon acceptance of the applicant, the Security Office will contact the applicant to schedule getting their picture taken and to view the training video, after which the applicant will be issued the ID Badge.

4. The general timeframe for obtaining badges is 2 weeks from submission of the original application.

IV. LABOR REQUIREMENTS

A. Contractor must pay prevailing wage rates as a minimum in accordance with the current NYSDOL Wage Rate Schedules.

V. PROJECT OVERVIEW

A. C&S provided detailed project overview, including photographs of existing project area.

VI. ADDENDA

A. Any changes or modifications identified at this meeting will be made by addendum to all prospective bidders.

B. Prospective bidders must submit all questions or requests for information in writing to C&S

Engineers, Inc., attention Thomas Horth: thorth@cscos.com to be considered for inclusion in an addendum.

C. Last day for inquiries is 04/10/20

D. Addendum No. 1 will be issued on Friday 4/3/20 to include:

1. Minutes and questions from the pre-bid meeting
2. Revised drawings and specifications for new fire alarm and sprinklers

VI. QUESTIONS & GENERAL DISCUSSION

A. Bids are due on **April 16, 2020 at 1:30pm**, at the Airport office.

B. Two (2) proposals required to be submitted, one original and one copy or two originals, along with USB or CD, refer to checklist in proposal for additional requirements. **See Q & A below**.

VII. QUESTIONS & GENERAL DISCUSSION

A. Open for general discussion and questions.

Questions/answers:

1. *Q: How will the new exit lane breach control system interact with the current setup in the Airport Security Office?*
   A: The new system will reconnect with the Airport's current hardware; i.e. laptops.

2. *Q: Is a PDF copy of the proposal required at the time of bid? The timing for receipt of final pricing makes it challenging to process hard copies of the proposal.*
   A: It is acceptable to submit a PDF copy of the proposal on a USB or CD to the Airport Authority by 3:00PM on Thursday 4/16/20.Two (2) hard copies will still be required by 1:30pm on 4/16/20.

3. *Q: Is there a surplus supply of the prefabricated terrazzo tiles?*
   A: There is limited stock of terrazzo tile, Authority to confirm. Alternate replacement flooring considerations will be considered.

4. *Q: Are M/WBE firms required to be certified with the City of Syracuse as well as NYS?*
   A: Only NYS-certified MWBE firms are required.
   A: Authority recognizes challenges with meeting the 30% M/WBE given the limited variety in scope of work. It is expected that a waiver request will be required from ESD. Bidders are encouraged to submit detailed documentation demonstrating Good Faith Effort (GFE); include solicitation log.

5. *Q: What type of flooring is required as part of the restoration and what are the limits?*
   A: Terrazzo tiles are specified between the exit lane breach control system stalls. Terrazzo is tiles are required on the secure side, carpet (tiles) are desired on the non-secure side. Limits are similar to existing, matching the storefront glass.

END

PHASE 1

PHASE 2

North Concourse Work Area

LOCATION OF TEMPORARY SIGNAGE AND STANCHIONS WITH RETRACTABLE BELTS DIRECTING PEDESTRIAN TRAFFIC TO THE SOUTH TERMINAL EXIT LANES

LOCATION OF WORK AT NORTH TERMINAL EXIT LANES

Temporary Passenger Exit (Roll-up Gate)

South Concourse Work Area

DN

DN

04/01/2020

North Concourse

North Concourse

Syracuse Hancock International Airport - Exit Lane Improvements

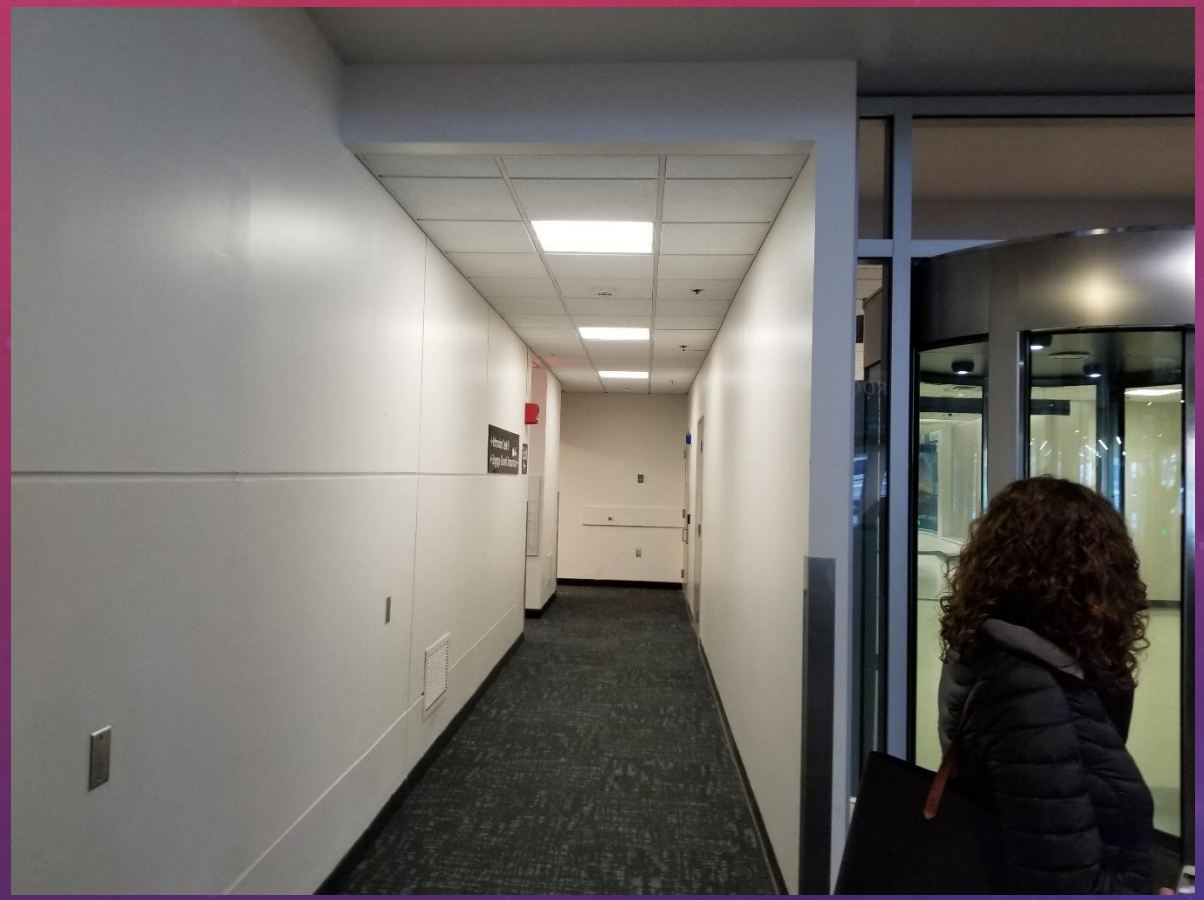
04/01/2020

South Concourse

South Concourse

Syracuse Hancock International Airport - Exit Lane Improvements

04/01/2020



South Concourse

North Concourse

Syracuse Hancock International Airport - Exit Lane Improvements

North Concourse - HVAC

North Concourse

South Concourse – Secure Side

South Concourse

North Concourse

North Concourse – Public Side

Electrical

Electrical Room -

SECTION 08 1216 - INTERIOR ALUMINUM DOORS AND FRAMES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes:
   1. Interior aluminum frames for glazing installed in gypsum board partitions.

B. Related Sections include the following:
   1. Division 08 Section "Glazing"
   2. Division 26 Sections for electrical connections including conduit and wiring for security control systems.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

   1. Include construction details, material descriptions, dimensions of individual components and profiles, fire-resistance rating, and finishes.

B. Shop Drawings: For aluminum frames:

   1. Include elevations, sections, and installation details for each wall-opening condition.
   2. Include details for each frame type, including dimensioned profiles and metal thicknesses.
   3. Include locations of reinforcements and preparations for hardware.
   4. Include details of anchorages, joints, field splices, connections, and accessories.
   5. Include details of moldings, removable stops, and glazing.

C. Samples: For each exposed product and for each color and texture specified, in manufacturer's standard sizes.

D. Samples for Initial Selection: For each type of exposed finish.

   1. Include Samples of seals, gaskets, and accessories involving color selection.

E. Samples for Verification: For each type of the following products:

1. Framing Member and Finish: 12 inches (300 mm) long. Include trim.
2. Corner Fabrication and Finish: 12-by-12-inch- (300-by-300-mm-) long, full-size window corner, including full-size sections of extrusions with factory-applied color finish.

F. Product Schedule: For aluminum frames. Use same designations indicated on Drawings. Coordinate with hardware schedule and glazing.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For aluminum frames to include in maintenance manuals.

1.6 QUALITY ASSURANCE

A. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and to set quality standards for fabrication and installation.

1. Build mockup of each type of aluminum frame in typical wall area as shown on Drawings.
2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain aluminum frames from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

1. Frames for Smoke- and Draft-Control Assemblies: Tested according to UL 1784 and installed in compliance with NFPA 105.

    a. Air Leakage Rate: Maximum air leakage of 0.3 cfm/sq. ft. (0.9 cu. m per minute/sq. m) at the tested pressure differential of 0.3-inch wg (75 Pa).

2.3 MATERIALS

A. Extruded Aluminum: ASTM B 221 (ASTM B 221M), with alloy and temper required to suit structural and finish requirements, and not less than 0.062 inch (1.6 mm) thick.

2.4 INTERIOR ALUMINUM FRAMES

A. **Basis-of-Design Product: Kawneer Company, Inc.; an Arconic Company "Trifab 400 Framing System".** Subject to compliance with requirements, provide named product or a comparable product by one of the following:

1. Frameworks, Inc.; an ASSA ABLOY Group company; "Type II Framing System".
2. Custom Components Company.
3. Versatrac Frames, a Division of American Door Products Inc.
4. Western Integrated Materials, Inc.

B. Glazing Frames: Extruded aluminum, for indicated glass thickness.

C. Trim: Extruded aluminum, not less than 0.062 inch (1.6 mm) thick; removable, snap-on casing trim glazing stops and door stops, without exposed fasteners.

1. Design: Rectilinear.
2. Face Profile: 2 inch (50.8 mm).
3. Throat Sizes: As indicated.

D. Sound Seals: Manufacturer's standard sound seals at jambs and heads.

E. Frame and Trim Finish: Factory-applied, baked-enamel or powder-coat finish.

1. Color: Custom color indicated in the Finish Schedule on the Drawings.

2.5 ACCESSORIES

A. Fasteners: Aluminum, nonmagnetic, stainless-steel or other noncorrosive metal fasteners compatible with frames, stops, panels, reinforcement plates, hardware, anchors, and other items being fastened.

B. Glazing Gaskets: Manufacturer's standard extruded or molded rubber or plastic, to accommodate glazing thickness indicated; in black.

C. Glass: As specified in Section 08 8000 "Glazing".

2.6 FABRICATION

A. Provide concealed corner reinforcements and alignment clips for accurately fitted hairline joints at butted and mitered connections.

B. Fabricate frames for glazing with removable stops to allow glazing replacement without dismantling frame.

1. Locate removable stops on the inside of spaces accessed by keyed doors.

C. Fabricate components to allow secure installation without exposed fasteners.

2.7 GENERAL FINISH REQUIREMENTS

A. 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.

2.8 ALUMINUM FINISHES

A. Baked-Enamel or Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils (0.04 mm). Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

PART 3 - EXECUTION

3.1 EXAMINATION

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

B. Verify that wall thickness does not exceed standard tolerances allowed by throat size of indicated aluminum frame.

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

3.2 INSTALLATION

A. Install aluminum frames plumb, rigid, properly aligned, and securely fastened in place; according to manufacturer's written instructions.

1. At fire-protection-rated openings, install fire-rated frames according to NFPA 80 and NFPA 105.

B. Install frame components in the longest possible lengths with no piece less than 48 inches (1220 mm); components 96 inches (2450 mm) or shorter shall be one piece.

1. Use concealed installation clips to produce tightly fitted and aligned splices and connections.
2. Secure clips to extruded main-frame components and not to snap-in or trim members.
3. Do not leave screws or other fasteners exposed to view when installation is complete.

C. Glass: Install glass according to Division 08 Section "Glazing" and aluminum-frame manufacturer's written instructions.

D. Security Exit Lanes: Install exit lanes aligned with frames and fitted with required hardware.

E. Security Exit Lanes: Install according to manufacturer's written instructions.

3.3 ADJUSTING

A. Inspect installation, correct misalignments, and tighten loose connections.

B. Security Exit Lanes: Adjust frames to operate smoothly and easily, without binding or warping. Adjust hardware to function smoothly and lubricate as recommended by manufacturer.

C. Clean exposed frame surfaces promptly after installation, using cleaning methods recommended in writing by frame manufacturer and according to AAMA 609 & 610.

D. Touch Up: Repair marred frame surfaces to blend inconspicuously with adjacent unrepaired surface so touchup is not visible from a distance of 48 inches (1220 mm) as viewed by Architect. Remove and replace frames with damaged finish that cannot be satisfactorily repaired.

END OF SECTION 081216

SECTION 08 8000 - GLAZING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes glazing and metal infill panels for the following products and applications, including those specified in other Sections where glazing requirements are specified by reference to this Section:

1. Interior doors and sidelights.
2. Storefront framing.
3. Glazing sealants and accessories.

B. Related Sections include the following:

1. Division 08 Section "Interior Aluminum Doors and Frames".

1.3 DEFINITIONS

A. Manufacturers of Glass Products: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.

B. Glass Thicknesses: Indicated by thickness designations in millimeters according to ASTM C 1036.

C. Interspace: Space between lites of an insulating-glass unit that contains dehydrated air.

D. Deterioration of Coated-Glass Products: Defects developed from normal uses that are attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in coating.

E. Deterioration of Laminated Glass: Defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.

1.4 PERFORMANCE REQUIREMENTS

A. General: Provide installed glazing systems capable of withstanding normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable

to the following: defective manufacture, fabrication, and installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.

B. Thermal Movements: Provide glazing that allows for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures acting on glass framing members and glazing components. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

1.5 PRECONSTRUCTION TESTING

A. Preconstruction Adhesion and Compatibility Testing: Test each glazing material type, gasket, glazing accessory, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.

1. Testing will not be required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
2. Use ASTM C 1087 to determine whether priming and other specific joint-preparation techniques are required to obtain rapid, optimum adhesion of glazing sealants to glass, gaskets, and glazing channel substrates.
3. Test no fewer than eight Samples of each type of material, including joint substrates, shims, sealant backings, secondary seals, and miscellaneous materials.
4. Schedule sufficient time for testing and analyzing results to prevent delaying the Work.
5. For materials failing tests, submit sealant manufacturer's written instructions for corrective measures including the use of specially formulated primers.

1.6 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
2. Review temporary protection requirements for glazing during and after installation.

1.7 ACTION SUBMITTALS

A. Product Data: For each glass product and glazing material indicated.

1. For glazing sealants used inside of the weatherproofing system, provide documentation including printed statement of VOC content.

B. Sustainable Design Submittals:

1. Product Data: For sealants, indicating VOC content.
2. Laboratory Test Reports: For sealants, indicating compliance with requirements for low-emitting materials.

C. Samples for Initial Selection: Manufacturer's color charts showing full range of colors available for units with factory-applied finishes and colored interlayer materials, and manufacturer's color charts consisting of strips of cured sealants showing the full range of colors available for each glazing sealant exposed to view.

D. Glass Samples: For the following products; 12-inch (300-mm) square:

1. Glass for each designation indicated.

E. Glazing Accessory Samples: For gaskets and sealants, in 12-inch (300-mm) lengths. Install sealant Samples between two strips of material representative in color of the adjoining framing system.

F. Glazing Schedule: Use same designations indicated on Drawings for glazed openings in preparing a schedule listing glass types and thicknesses for each size opening and location.

1.8 INFORMATIONAL SUBMITTALS

A. Qualification Data: For installers, manufacturers of insulating-glass units with sputter-coated, low-e coatings, glass testing agency and sealant testing agency.

B. Product Certificates: Signed by manufacturers of glass and glazing products certifying that products furnished comply with requirements.

C. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for insulating glass, glazing sealants and glazing gaskets.

1. For glazing sealants, provide test reports based on testing current sealant formulations within previous 36-month period.

D. Preconstruction Adhesion and Compatibility Test Report: From glazing sealant manufacturer indicating glazing sealants were tested for adhesion to glass and glazing channel substrates and for compatibility with glass and other glazing materials.

E. Sample Warranties: Samples of Special warranties specified in this Section.

1.9 QUALITY ASSURANCE

A. Manufacturer Qualifications for Insulating-Glass Units with Sputter-Coated, Low-E Coatings: A qualified insulating-glass manufacturer who is approved and certified by coated-glass manufacturer.

1. Fabrication processes, including low emissivity and reflective coatings, insulating, and tempering shall be provided by a single manufacturer with a minimum of ten years' experience of successfully providing fabrication processes of the types and extent required for this Project and shall meet or exceed ANSI/ASQC 9002 1994.

B. Installer Qualifications: An experienced installer who has completed glazing similar in material, design, and extent to that indicated for this Project; whose work has resulted in glass installations with a record of successful in-service performance; and who employs glass installers for this Project who are certified under the National Glass Association's Certified Glass Installer Program.

C. Glass Testing Agency Qualifications: A qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.

D. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C 1021 to conduct the testing indicated.

E. Source Limitations for Glazing Accessories: Obtain glazing accessories through one source from a single manufacturer for each product and installation method indicated.

F. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.

1. GANA Publications: "Laminated Glazing Reference Manual" and "Glazing Manual".
2. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use".

G. Safety Glazing Products: Comply with testing requirements in 16 CFR 1201.

1. Safety Glazing Labeling: Where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or the manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies. The label shall be acid etched, sand blasted, ceramic fired or an embossed mark, or shall be of a type that once applied it cannot be removed without being destroyed.
2. Where glazing units, including Kind FT glass are specified in Part 2 articles for glazing lites more than 9 sq. ft. (0.84 sq. m) in exposed surface area of one side, provide glazing products that comply with Category II materials; for lites 9 sq. ft. (0.84 sq. m) or less in exposed surface area of one side, provide glazing products that comply with Category I or II materials, except for hazardous locations where Category II materials are required by 16 CFR.

H. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of IGCC.

1.10 DELIVERY, STORAGE, AND HANDLING

A. Protect glazing materials according to manufacturer's written instructions and as needed to prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.

B. Comply with insulating-glass manufacturer's written recommendations for venting and sealing units to avoid hermetic seal ruptures due to altitude change.

1.11 PROJECT CONDITIONS

A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.

1. Do not install liquid glazing sealants when ambient and substrate temperature conditions are outside limits permitted by glazing sealant manufacturer or below 40 deg F (4.4 deg C).

1.12 WARRANTY

A. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer's standard form, made out to Owner and signed by coated-glass manufacturer agreeing to replace coated-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.

1. Warranty Period: 10 years from date of manufacture, unless otherwise indicated.
2. Warranty Period: 5 years from date of manufacture for ceramic coating.

B. Manufacturer's Special Warranty for Laminated Glass: Manufacturer's standard form, made out to Owner and signed by laminated glass manufacturer agreeing to replace laminated glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.

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

C. Manufacturer's Special Warranty on Insulating Glass: Manufacturer's standard form, made out to Owner and signed by insulating-glass manufacturer agreeing to replace insulating-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.

1. Warranty Period: 10 years from date of manufacture.

D. Manufacturer's Special Warranty on Kind FT (fully tempered) Glass: Manufacturer's standard form, made out to Owner and signed by tempered glass manufacturer agreeing to replace tempered glass units that deteriorate within specified warranty period indicated below. Deterioration of tempered glass is defined as heat soaked tempered glass that spontaneously breaks as a result of Nickel Sulfide (NiS) inclusions at a rate of 0.5 percent (5/1000).

1. Warranty Period: 5 years from date of manufacture.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:

1. Products: Subject to compliance with requirements, provide one of the products specified, unless otherwise indicated.
2. Basis-of-Design Product: Where indicated, the design for each glazing product is based on the product named. Subject to compliance with requirements, provide either the named product or a comparable product by one of the other manufacturers specified, as approved by the Architect.

2.2 GLASS PRODUCTS, GENERAL

A. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass lites in thicknesses as needed to comply with requirements indicated.

1. Minimum Glass Thickness for Exterior Lites: Not less than 6.0 mm.

B. Strength: Where float glass is indicated, provide Kind HS heat-treated float glass or Kind FT heat-treated float glass, as needed to comply with "Performance Requirements" Article. Where heat-strengthened glass is indicated, provide Kind HS heat-treated float glass or Kind FT heat-treated float glass as needed to comply with "Performance Requirements" Article. Where fully tempered glass is indicated, provide Kind **FT** heat-treated float glass.

2.3 GLASS PRODUCTS

A. Clear Annealed Float Glass: ASTM C 1036, Type I, Class I (clear), Quality-Q3.

B. Heat-Treated Float Glass: ASTM C 1048; Type I; Quality-Q3; Class I (clear) unless otherwise indicated; of kind and condition indicated.

1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed, unless otherwise indicated.
2. For uncoated glass, comply with requirements for Condition A.
3. For coated vision glass, comply with requirements for Condition C (other uncoated glass).

C. Sputter-Coated Float Glass: ASTM C 1376, float glass with metallic-oxide coating or metallic-nitride coating deposited by vacuum deposition process after manufacture and heat treatment, and complying with other requirements specified.

1. Edge Deletion: When used within an insulating glass unit, coating shall be edge deleted to completely seal the coating within the insulating glass unit.

a. The edge deletion shall be uniform in appearance (visually straight) and shall remove not less than 95 percent of the coating.

2.4 MONOLITHIC FLOAT-GLASS TYPES

A. Monolithic Float-Glass Units **FT**: ASTM C 1048; Type I; Quality-Q3; Class I (clear); of kind and condition indicated.

1. Uncoated Clear Float-Glass Units.
2. Kind FT (fully tempered).
3. Thickness: 1/4 inch (6.0 mm).
4. Applications:

a. Typical for interior non-fire-resistive glazing, unless otherwise indicated.

2.5 LAMINATED GLASS

A. Laminated Glass: ASTM C1172. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.

1. Construction: Laminate glass with polyvinyl butyral interlayer, ionomeric polymer interlayer or cast-in-place and cured-transparent-resin interlayer to comply with interlayer manufacturer's written instructions.
2. Interlayer Thickness: Provide thickness not less than that indicated and as needed to comply with requirements.
3. Interlayer Color: Clear unless otherwise indicated.

2.6 LAMINATED GLASS TYPES

A. Laminated Glass Units, Basis-of-Design Products: The designs for laminated glass units are based on products as produced by Guardian Glass Industries. Subject to compliance with requirements, provide either the named products or comparable products as produced by one of the following:

1. PPG Industries.
2. Oldcastle BuildingEnvelope™.
3. Viracon, Inc.

B. Laminated Glass Units **LS**: Clear laminated glass with two plies of fully tempered float glass.

1. Minimum Thickness of Each Glass Ply: 6 mm.
2. Interlayer Thickness: 0.030 inch (0.76 mm).
3. Safety glazing required.

2.7 GLAZING GASKETS

A. Dense Compression Gaskets: Molded or extruded gaskets of material indicated below, complying with standards referenced with name of elastomer indicated below, and of profile and hardness required to maintain watertight seal:

1. EPDM, ASTM C 864.
2. Silicone, ASTM C 1115.
3. Any material indicated above, as recommended and approved by the manufacturers of the systems to be glazed.

B. Soft Compression Gaskets: Extruded or molded, closed-cell, integral-skinned gaskets of material indicated below; complying with ASTM C 509, Type II, black; and of profile and hardness required to maintain watertight seal:

1. EPDM.
2. Silicone.
3. Any material indicated above, as recommended and approved by the manufacturers of the systems to be glazed.
4. Application: Use where soft compression gaskets will be compressed by inserting dense compression gaskets on opposite side of glazing or pressure applied by means of pressure-glazing stops on opposite side of glazing, as recommended and approved by the manufacturers of the systems to be glazed.

2.8 GLAZING SEALANTS

A. General: Provide products of type indicated, complying with the following requirements:

1. Compatibility: Provide glazing sealants that are compatible with one another and with other materials they will contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
3. Sealants used inside the weatherproofing system, shall have a VOC content of not more than 250 g/L when calculated according to South Coast Air Quality Management District (SCAQMD) Rule #1168.
4. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range.
5. Sealant shall have a VOC content of 250 g/L or less.
6. Sealant shall comply with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers".

B. Elastomeric Glazing Sealants: Comply with ASTM C 920 and other requirements indicated for each liquid-applied chemically curing sealant specified, including those referencing ASTM C 920 classifications for type, grade, class, and uses related to exposure and joint substrates.

1. Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 100/50, Use NT:

   a. Products: Subject to compliance with requirements, provide one of the following:

      1) Dow Corning Corporation; **"790"**.
      2) GE Advanced Materials - Silicones; **"SilPruf LM SCS2700"**.
      3) Pecora Corporation; **"890"**.
      4) Sika Corporation, Construction Products Division; **"SikaSil-C990"**.
      5) Tremco Incorporated; **"Spectrem 1"**.

   b. Applications: Windows, glazed aluminum storefront and curtain wall assemblies.

2.9 GLAZING TAPES

A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based elastomeric tape with a solids content of 100 percent; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; packaged on rolls with a release paper backing; and complying with ASTM C 1281 and AAMA 800 for products indicated below:

1. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
2. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.

B. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; packaged on rolls with release liner protecting adhesive; and complying with AAMA 800 for the following types:

1. Type 1, for glazing applications in which tape acts as the primary sealant.
2. Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.10 MISCELLANEOUS GLAZING MATERIALS

A. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.

B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.

C. Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.

D. Spacers: Elastomeric blocks or continuous extrusions with a Shore, Type A durometer hardness required by glass manufacturer to maintain glass lites in place for installation indicated.

E. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).

F. Cylindrical Glazing Sealant Backing: ASTM C 1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.11 FABRICATION OF GLAZING UNITS

A. Fabricate glazing units in sizes required to glaze openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.

B. Grind smooth and polish exposed glass edges and corners, if applicable.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine framing glazing, with Installer present, for compliance with the following:

1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
2. Presence and functioning of weep system.
3. Minimum required face or edge clearances.
4. Effective sealing between joints of glass-framing members.

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

3.2 PREPARATION

A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.

B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that will leave visible marks in the completed work.

3.3 GLAZING, GENERAL

A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.

B. Adjust glazing channel dimensions as required by Project conditions during installation to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.

C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.

D. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction sealant-substrate testing.

E. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

F. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.

G. Provide spacers for glass lites where length plus width is larger than 50 inches (1270 mm) as follows:

1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
2. Provide 1/8-inch (3-mm) minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.

H. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.

I. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.

J. Set glass lites with proper orientation so that coatings face exterior or interior as specified.

K. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.

L. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

3.4 TAPE GLAZING

A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.

B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.

C. Cover vertical framing joints by applying tapes to heads and sills first and then to jambs. Cover horizontal framing joints by applying tapes to jambs and then to heads and sills.

D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.

E. Do not remove release paper from tape until just before each glazing unit is installed.

F. Apply heel bead of elastomeric sealant, as recommended by the Manufacturer of the system to be glazed.

G. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.

H. Apply cap bead of elastomeric sealant over exposed edge of tape, as recommended by the Manufacturer of the system to be glazed.

3.5 GASKET GLAZING (DRY)

A. Cut compression gaskets in lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.

B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.

C. Installation with Drive-in Wedge Gaskets: Center glass lites in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.

D. Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.

E. Install gaskets so they protrude past face of glazing stops.

3.6 SEALANT GLAZING (WET)

A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.

B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.

C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.7 CLEANING AND PROTECTION

A. Protect exterior glass from damage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels, and clean surfaces.

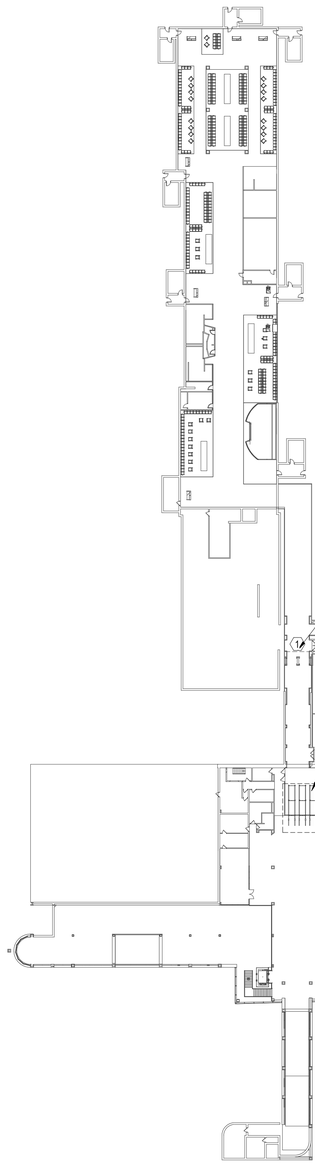
B. Protect glass from contact with contaminating substances resulting from construction operations, including weld splatter. If, despite such protection, contaminating substances do come into contact with glass, remove substances immediately as recommended by glass manufacturer.

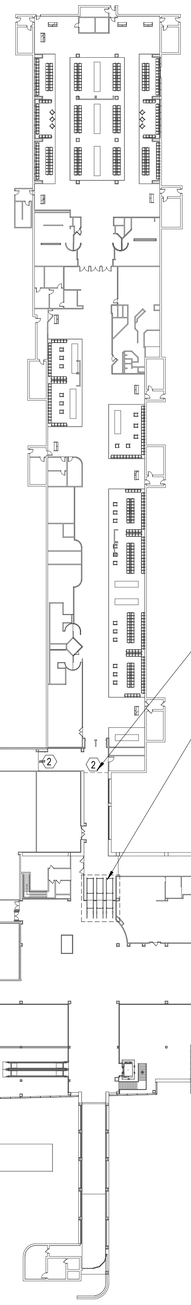
C. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains; remove as recommended in writing by glass manufacturer.

D. Remove and replace glass that is broken, chipped, cracked, or abraded or that is damaged from natural causes, accidents, and vandalism, during construction period.

E. Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

END OF SECTION 08 8000





PHASE 1

LOCATION OF TEMPORARY SIGNAGE AND STANCHIONS WITH RETRACTABLE BELTS DIRECTING PEDESTRIAN TRAFFIC TO THE SOUTH TERMINAL EXIT LANES

LOCATION OF WORK AT NORTH TERMINAL EXIT LANES

1 NOTE: APPROXIMATE LOCATION OF TEMPORARY SIGNAGE. TEMPORARY SIGNAGE TO BE INSTALLED PRIOR TO COMMENCING WORK ON PHASE 1 AND REMOVED UPON COMPLETION OF WORK.

1 EXISTING SECURITY CAGE TO BE USED AS TEMPORARY SECURITY EXIT FOR PHASE 1 AND PHASE 2

PHASE 2

LOCATION OF TEMPORARY SIGNAGE AND STANCHIONS WITH RETRACTABLE BELTS DIRECTING PEDESTRIAN TRAFFIC TO THE SOUTH TERMINAL EXIT LANES

LOCATION OF WORK AT SOUTH TERMINAL EXIT LANES

2 NOTE: APPROXIMATE LOCATION OF TEMPORARY SIGNAGE. TEMPORARY SIGNAGE TO BE INSTALLED PRIOR TO COMMENCING WORK ON PHASE 2 AND REMOVED UPON COMPLETION OF WORK. 1

1

PHASING - GENERAL DESCRIPTION

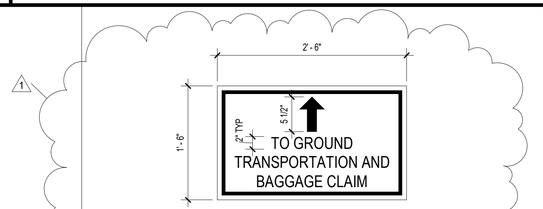
1. PHASE 1 - INSTALLATION OF TEMPORARY SIGNAGE REDIRECTING TRAFFIC FROM NORTH TERMINAL EXIT PORTALS TO TERMINAL SECURITY EXIT CAGE AREA. INSTALLATION OF TEMPORARY WALLS AS SHOWN. DEMOLITION OF EXISTING NORTH SECURITY PORTALS AND OTHER REQUIRED WORK. INSTALLATION OF NEW SECURITY PORTALS AND OTHER REQUIRED WORK. REMOVAL OF TEMPORARY SIGNAGE AND TEMPORARY WALLS.
2. PHASE 2 - INSTALLATION OF TEMPORARY SIGNAGE REDIRECTING TRAFFIC FROM SOUTH TERMINAL EXIT PORTALS TO TERMINAL SECURITY EXIT CAGE AREA. INSTALLATION OF TEMPORARY WALLS AS SHOWN. DEMOLITION OF EXISTING SECURITY PORTALS AND OTHER REQUIRED WORK. INSTALLATION OF NEW SECURITY PORTALS AND OTHER REQUIRED WORK.

N

A1 2ND FLOOR - OVERALL PLAN

SCALE: 1" = 50'-0"

1



TYPICAL SIGNAGE DIMENSIONS AS SHOWN ABOVE.
BACKGROUND TO BE WHITE.
ALL LETTERING TO BE RED.
FONT TO BE ARIAL NARROW (OR) HELVETICA NARROW.
NO HANWRITTEN SIGNS PERMITTED.

NOTE: CONTRACTOR SHALL SUBMIT SIGNAGE PLAN TO ENGINEER AND AUTHORITY FOR REVIEW PRIOR TO INSTALLATION

C4 TYP SIGNAGE DIMENSIONS

SCALE: 1" = 1'-0"

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REGISTERED ARCHITECT PATRICK D. MAZZ 037030 STATE OF NEW YORK

SYRACUSE REGIONAL AIRPORT AUTHORITY

TERMINAL EXIT LANE IMPROVEMENTS SYRACUSE HANCOCK INTERNATIONAL AIRPORT

MARK	DATE	DESCRIPTION
1	4/3/2020	ADDENDUM #1

REVISIONS

PROJECT NO:	O68004001
DATE:	03/23/2020
DRAWN BY:	PDM, AIA LEED AP BD+C
DESIGNED BY:	PDM, AIA LEED AP BD+C
CHECKED BY:	SH SHOVA

OVERALL SECOND FLOOR PLAN AND PHASING PLAN

A-001

ABBREVIATION LIST

A	
AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL CEILING TILE
AMP	ACOUSTICAL METAL PANEL
ALUM	ALUMINUM
B	
BLK	BLOCK
BD	BOARD
BOT	BOTTOM
BLDG	BUILDING
C	
CPT	CARPET
CLG	CEILING
CTR	CENTER
CL	CENTER LINE
CT	CERAMIC TILE
CLR	CLEAR / CLEARANCE
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONT	CONTINUOUS
CNTJ	CONTROL JOINT
CJ	CONSTRUCTION JOINT
CG	CORNER GUARD
CORR	CORRIDOR
CTR	COUNTER
CRS	COURSE(S)
CRN	CROWN
D	
DEMO	DEMOLISH / DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DWG	DRAWING
DF	DRINKING FOUNTAIN
E	
EA	EACH
EOS	EDGE OF SLAB
ELEC	ELECTRIC
EWC	ELECTRIC WATER COOLER
EL	ELEVATION
ELEV	ELEVATOR
ENCL	ENCLOSURE
ENTR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
EXH	EXHAUST
EXIST	EXISTING
ETR	EXISTING TO REMAIN
EXP	EXPANSION
EJ	EXPANSION JOINT
EXP	EXPOSED
EXT	EXTERIOR
F	
FT	FEET/FOOT
FRP	FIBER REINFORCED POLYESTER
FGL	FIBERGLASS
FIN	FINISH(ED)
FFL	FINISHED FLOOR ELEVATION
FIN GR	FINISH GRADE
FA	FIRE ALARM
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FP	FIRE PROTECTION
FRT	FIRE RETARDANT TREATED
FP	FIREPROOF
FIXT	FIXTURE
FLASH	FLASHING
FL	FLOOR
FD	FLOOR DRAIN
FTG	FOOTING
FDTN	FOUNDATION
FURN	FURNISH
FBO	FURNISHED BY OTHERS
G	
GA	GAGE / GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLASS
GL BLK	GLASS BLOCK
GB	GRAB BAR
GRL	GRILLE
GYP	GYPSUM BOARD
H	
HCP	HANDICAPPED
HDWD	HARDWOOD
HT	HEIGHT
HP	HIGH POINT
HM	HOLLOW METAL
I	
IRWC	IMPACT RESISTANT WALL COVERING
ID	INSIDE DIAMETER
INSUL	INSULATION / INSULATED
INT	INTERIOR
J	
JAN CLO	JANITOR'S CLOSET
K	
KD	KNOCKDOWN
L	
LAM	LAMINATE
LAM GL	LAMINATED GLASS
LAV	LAVATORY
L	LENGTH / LONG
LF	LINEAL FEET
LPT	LOW POINT
M	
MFR	MANUFACTURER
MO	MASONRY OPENING
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MEZZ	MEZZANINE
MIN	MINIMUM
N	
NOM	NOMINAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
O	
OC	ON CENTER
OPP	OPPOSITE
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHD	OVERHEAD INSULATED DOOR
OHSD	OVERHEAD INSULATED SECTIONAL DOOR
P	
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PBD	PARTICLE BOARD
PTN	PARTITION
PLAS	PLASTER
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLY	PLYWOOD
POL	POLISHED
PVC	POLYVINYL CHLORIDE
Q	
QT	QUARRY TILE
R	
R	RADIUS
REINF	REINFORCE
REQD	REQUIRED
RF	RESILIENT FLOORING
REV	REVISION / REVISED
R	RISER
RD	ROOF DRAIN
RL	ROOF LEADER
RTU	ROOF TOP UNIT
RM	ROOM
RO	ROUGH OPENING
RBR	RUBBER
RB	RUBBER BASE
S	
SCH	SCHEDULE(D)
SLNT	SEALANT
SLR	SEALER
SEC	SECTION
SHTHG	SHEATHING
SIM	SIMILAR
SD	SOAP DISPENSER
SSLM	SOLID SURFACE (SOLID CORE LAMINATE)
SAFB	SOUND ATTENUATION FIBERGLASS BATT
SPEC	SPECIFICATION
SF	SQUARE FEET
STN	STAIN
SS	STAINLESS STEEL
STL	STEEL
ST	STONE (QUARRY OR MANUFACTURED)
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SYS	SYSTEM
T	
TK BD	TACK BOARD
TMPD GL	TEMPERED GLASS
TER	TERRAZZO
THK	THICKNESS
THRES	THRESHOLD
TL	TILE
TPTN	TOILET PARTITION
TO	TOP OF
TOS	TOP OF STEEL
TOW	TOP OF WALL
T&G	TONGUE AND GROOVE
T	TREAD(S)
TYP	TYPICAL
U	
UNFIN	UNFINISHED
UON	UNLESS OTHERWISE NOTED
V	
VB	VAPOR BARRIER
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
VIF	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
VCT	VINYL COMPOSITION TILE
VWB	VINYL WALL BASE
VWC	VINYL WALL COVERING
VP	VISION PANEL
W	
WSCT	WAINSCOT
W CAB	WALL CABINET
WC	WATER CLOSET
W	WIDE
WG	WIRE GLASS
W/	WITH
WM	WIRE MESH
WRB	WEATHER RESISTANT BARRIER
WD	WOOD
WBL	WOOD BLOCKING

REMOVAL AND REPLACEMENT OF SECURITY EXIT PORTALS AT NORTH TERMINAL AND SOUTH TERMINAL - EBCNYS, ALTERATION LEVEL 1

BUILDING CODE INFORMATION

CODES TO WHICH THIS PROJECT WAS DESIGNED:

2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE - BCNYS

2018 INTERNATIONAL BUILDING CODE IBC
2018 INTERNATIONAL EXISTING BUILDING CODE IEBC
2018 INTERNATIONAL MECHANICAL CODE - IMC
2018 INTERNATIONAL PLUMBING CODE - IPC
2018 INTERNATIONAL ENERGY CONSERVATION CODE - IECC
2018 INTERNATIONAL FUEL GAS CODE - IFGC
2018 NFPA 70 NATIONAL ELECTRICAL CODE, of the NATIONAL FIRE PROTECTION ASSOC, INC.
2010 ICC/ANSI A117.1 ACCESSIBLE and USABLE BUILDINGS and FACILITIES ANSI
2020 UNIFORM CODE SUPPLEMENT - NEW YORK STATE
2018 INTERNATIONAL FIRE CODE - IFC
2018 NATIONAL FIRE PROTECTION ASSOCIATION STANDARD (NFPA) 101 - LIFE SAFETY CODE
2008 NEW YORK PUBLIC HEALTH CODE - PHC
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

EXISTING OCCUPANCY CLASSIFICATIONS (BCNYS 302):

ASSEMBLY, A-3 TERMINALS
BUSINESS, B - OFFICES AND TICKET COUNTERS
STORAGE, S-2 - BAGGAGE AREAS
ASSEMBLY, A-2 - CONCESSION AREAS

EXISTING BUILDING - ALLOWABLE BUILDING HEIGHT / AREA (BCNYS 503.1.1, 507):

BUILDING HEIGHT ALLOWABLE (STORY/FEET): 11 STORIES / 160.0 FT
BUILDING HEIGHT PROVIDED (STORY/FEET): 2 STORIES / 40.0 FT

BUILDING AREA ALLOWABLE: UNLIMITED SF
BUILDING AREA PROVIDED: 367,677 SF

ALTERATION LEVEL 1 (EBCNYS 602):

THE SCOPE OF THE LEVEL 1 ALTERATION INCLUDES THE REMOVAL AND REPLACEMENT OF SECURITY EXIT PORTALS AT TERMINAL EXITS AT NORTH AND SOUTH TERMINALS. REFER TO PHASING PLAN. (EBCNYS 602.1)

SCOPE OF THE LEVEL 1 ALTERATION COMPLIES WITH CHAPER 7 OF THE EBCNYS. THERE IS NO CHANGE TO INTERIOR FINISHES AND NEW INFILL MATERIALS COMPLY WITH ALL INTERIOR FINISHES PER CHAPTER 8 OF BCNYS.

FIRE PROTECTION (EBCNYS 703):

ALTERATION SCOPE MAINTAINS ALL LEVELS OF FIRE PROTECTION. (EBCNYS 703.1)

MEANS OF EGRESS (EBCNYS 704):

ALTERATION SCOPE MAINTAINS ALL LEVELS OF EXISTING PROTECTION PROVIDED FOR ALL MEANS OF EGRESS. (EBCNYS 703.1)

ENERGY CONSERVATION (EBCNYS 707):

LEVEL 1 ALTERATIONS DO NOT REQUIRE ENTIRE BUILDINGS TO COMPLY WITH ECCCNYS. ALL NEW LEVEL 1 ALTERATION WORK COMPLIES WITH ECCCNYS (EBCNYS 707.1)

EXISTING - OCCUPANCY TYPE (BCNYS 508.3):

EXISTING SEPERATED OCCUPANCIES:
BUSINESS, B - OFFICES AND TICKET COUNTERS
STORAGE, S-2 - BAGGAGE AREAS

EXISTING - REQUIRED SEPERATION OF OCCUPANCIES (BCNYS TABLE 508.4)

EXISTING SEPERATION AND PROTECTION:
2HR FIRE RATED SEPERATION BETWEEN BAGGAGE AND TICKET COUNTER, FULLY SPRINKLERED

BUILDING CODE INFORMATION CONTINUED:

CONSTRUCTION TYPE CLASSIFICATION (BCNYS TABLE 601):

TYPE I B, NONCOMBUSTABLE - EXISTING BUILDING

FIRE RESISTANCE RATED CONSTRUCTION PROVIDED (BCNYS TABLE 601, TABLE 602):

STRUCTURAL FRAME:	2B HRS, UL X701
BEARING WALLS, EXTERIOR	N/A, N/A
BEARING WALLS, INTERIOR	N/A, N/A
NON-BEARING WALLS	0 HR, UL U488
FLOOR CONSTRUCTION	2 HRS, UL D927
ROOF CONSTRUCTION	1C HR, UL P717

EXISTING OCCUPANT LOADS (BCNYS 1004.1.2):

AIRPORT TERMINAL	
BAGGAGE CLAIM	20 GROSS
BAGGAGE HANDLING	300 GROSS
CONCOURSE	100 GROSS
WAITING AREAS	15 GROSS
BUSINESS AREAS:	150 SF PER OCCUPANT
STORAGE, MECHANICAL AREAS:	300 SF PER OCCUPANT
WAREHOUSE:	500 SF PER OCCUPANT

EXISTING EGRESS WIDTHS (BCNYS 1005.3):

DOORS AND CORRIDORS:	0.2" PER OCCUPANT
STAIRS:	0.3" PER OCCUPANT

EXISTING EGRESS CAPACITY OF DOORS (BCNYS 1005.1):

DOORS WITH STANDARD HOLLOW METAL FRAMES AND BUTT HINGES

SIZE	CLEAR WIDTH	MAX. OCC. LOAD (CAP = .2"/OCC)
(1) 3'-0"	33.125"	165 OCCUPANTS
(1) 3'-2"	35.125"	175 OCCUPANTS
(1) 3'-4"	37.125"	185 OCCUPANTS
(1) 3'-6"	39.125"	195 OCCUPANTS
(1) 3'-8"	41.125"	205 OCCUPANTS
(1) 3'-10"	43.125"	215 OCCUPANTS
(1) 4'-0"	45.125"	225 OCCUPANTS
(2) 3'-0"	67.125"	337 OCCUPANTS
(2) 3'-2"	71.125"	357 OCCUPANTS
(2) 3'-3"	73.125"	367 OCCUPANTS
(2) 3'-4"	75.125"	377 OCCUPANTS
(2) 3'-6"	79.125"	397 OCCUPANTS
(2) 3'-7"	81.125"	407 OCCUPANTS
(2) 3'-8"	83.125"	417 OCCUPANTS
(2) 3'-10"	87.125"	437 OCCUPANTS
(2) 4'-0"	91.125"	457 OCCUPANTS

FIRE SUPPRESSION (BCNYS 903.1):

FULLY SPRINKLERED - FIRE SUPRESSION SYSTEM TO BE MAINTAINED DURING AND AFTER LEVEL 1 ALTERATION COMPLETION - REFER TO PHASING PLAN

EXISTING EXIT ACCESS TRAVEL DISTANCE (BCNYS TABLE 1017.2):

COMPLIES - 200 FT

EXISTING INTERIOR FINISHES (BCNYS TABLE 803.13):

8. FINISHES: (BCNYS 803.13) - FULLY SPRINKLED
ALL INTERIOR FINISHES COMPLY AND EXCEED THE MINIMUM REQUIRMENTS.
ALL EXITS HAVE MINIMUM CLASS A INTERIOR FINISH
ALL CORRIDORS HAVE MINIMUM CLASS A INTERIOR FINISH.
ALL ROOMS & ENCLOSED SPACES HAVE MINIMUM CLASS C INTERIOR FINISH

GENERAL NOTES FOR PHASING CONSTRUCTION

1. THE WORK AREAS LOCATED OUTSIDE OF CONSTRUCTION BARRIERS IN THE EXISTING TERMINAL BUILDING AND CONCOURSES WILL BE OCCUPIED DURING CONSTRUCTION.
2. WHERE INSTALLATION OF DOORS IN TEMPORARY BARRIER WALLS ARE NOT SHOWN ON THE DRAWINGS, CONTRACTOR TO PROVIDE SECURE / LOCKABLE ACCESS TO THESE AREAS UTILIZING CONSTRUCTION CORES ON EITHER DOOR HARDWARE OR PADLOCKS.
3. ALL PROPOSED DEMOLITION AND CONSTRUCTION IN THESE AREAS WILL BE REQUIRED TO ADHERE TO THE PHASING LIMITS, HOURS OF WORK AND TIME LIMITATIONS PER PROJECT SPECIFICATIONS.
4. EXISTING LIGHTING MUST BE TEMPORARILY SUPPORTED AS EXISTING CEILINGS ARE DEMOLISHED.
5. EXISTING FIRE ALARM DEVICES MUST BE RELOCATED TO THE UNDERSIDE OF THE ROOF DECK AS EXISTING CEILINGS ARE DEMOLISHED. WHEN NEW CEILINGS ARE BEING INSTALLED EXISTING FIRE ALARM DEVICES MUST BE RELOCATED FROM THE UNDERSIDE OF THE ROOF DECK TO THE NEW CEILING.
6. ANY EXISTING SECURITY CAMERAS, SPEAKERS OR OTHER DEVICES CURRENTLY MOUNTED TO EXISTING CEILINGS MUST BE TEMPORARILY SUPPORTED DURING EXISTING CEILING DEMOLITION AND THEN REINSTALLED ON NEW CEILING.
7. THE CONTRACTOR WILL BE RESPONSIBLE FOR MOVING (TO FACILITATE WORK) AND COVERING / PROTECTING ALL TERMINAL FURNITURE DURING CONSTRUCTION THEN MOVING FURNITURE BACK TO ORIGINAL LOCATION.
8. AT THE END OF EACH WORK SHIFT ALL WORK AREAS OUTSIDE TEMPORARY CONSTRUCTION BARRIER WALLS ARE TO BE LEFT FREE OF CONSTRUCTION, MATERIALS, DEBRIS AND DUST AND ALL FLOOR AREAS VACUUMED WITH A HEPA VACUUM.
9. CONTRACTOR SHALL PROVIDE ADDITIONAL CONSTRUCTION BARRIERS AS REQUIRED.

SECURITY

1. FOR WORK WITHIN THE SECURE AREAS OF THE AIRPORT ALL CONTRACTOR EMPLOYEES MUST HAVE AN AIRPORT PHOTO ID SECURITY BADGE PER SPECIFICATIONS. REFER TO PROJECT SPECIFICATIONS FOR ESCORTING OF EMPLOYEES WITHOUT A SECURITY BADGE BY EMPLOYEES WITH A SECURITY BADGE.

GENERAL WALL NOTES

1. THE TERM "WALL" AND "PARTITION ARE USED INTERCHANGEABLY.
2. ALL DIMENSIONS ARE NOMINAL CENTERLINE OF METAL STUD PARTITION OR FACE OF MASONRY UNLESS OTHERWISE NOTED.
3. ALL GYPSUM BOARD (GYP BD) TO BE 5/8 "TYPE X" 1 HOUR FIRE RATED. ALL GYPSUM BOARD SHALL BE INSTALLED VERTICALLY WITH JOINTS STAGGERED WHERE THERE ARE TWO LAYERS. NO GLUING ALLOWED.
4. PROVIDE ACOUSTICAL SEALANT AT ALL PARTITION PERIMETERS, RUNNERS, ELECTRICAL OUTLETS, PENETRATIONS AND OPENINGS. TO MINIMIZE SOUND TRANSMISSION ELECTRICAL OUTLETS SHALL BE SEPARATED BY A MINIMUM OF ONE STUD, BACK TO BACK.
5. THE LOCATIONS OF FIRE RATED WALLS ARE SHOWN ON THE DRAWINGS. PENETRATIONS IN RATED ASSEMBLIES SHALL BE FIRE STOPPED TO MAINTAIN REQUIRED RATING.
6. WALL HEIGHTS:
   -ALL FIRE RATED WALLS SHALL BE FULL HEIGHT TO UNDERSIDE OF STRUCTURE. UNLESS OTHERWISE NOTED ON THE DRAWINGS ALL WALLS SHALL BE PARTIAL HEIGHT TO 6" ABOVE CEILING. STUDS MAY CONTINUE TO STRUCTURE FOR BRACING, OR BRACED AS NOTED BELOW.
7. LATERAL BRACING:
   -PROVIDE APPROPRIATE LATERAL BRACING FOR WALLS EXCEEDING THE UNBRACED HEIGHT INDICATED OR THOSE THAT DO NOT EXTEND TO STRUCTURE.
8. GYPSUM WALL BOARD CONSTRUCTION SHALL BE ISOLATED WITH CONTROL JOINTS WHERE:
   -PARTITIONS OR CEILINGS OF DISSIMILAR CONSTRUCTION MEET AND REMAIN IN THE SAME PLANE.
   -EXPANSION OR CONTROL JOINTS OCCUR IN THE BUILDING STRUCTURE OR WALL CONSTRUCTION.
   PROVIDE CONTROL JOINTS IN THE FACE OF GWB PARTITIONS AND CEILINGS WHEN THE SIZE OF THE SURFACE EXCEEDS THE FOLLOWING CONTROL JOINT SPACING:
   -PARTITIONS: 30' MAX. IN EITHER DIRECTION
   -CEILINGS: 50' MAX. IN EITHER DIRECTION (WITH PERIMETER RELIEF)
9. PROVIDE METAL STUD INSERT BLOCKING AT ALL WALLS RECEIVING WALL MOUNTED EQUIPMENT AND/OR ACCESSORIES. COORDINATE WITH ALL TRADES AND OWNER EQUIPMENT LAYOUTS.
10. SEE PARTITION TYPES FOR LOCATIONS OF ACOUSTIC AND THERMAL INSULATION.

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REGISTERED ARCHITECT PATRICK D. MAY 037030 STATE OF NEW YORK

SYRACUSE REGIONAL AIRPORT AUTHORITY

TERMINAL EXIT LANE IMPROVEMENTS
SYRACUSE HANCOCK INTERNATIONAL AIRPORT

MARK	DATE	DESCRIPTION
1	4/3/2020	ADDENDUM #1

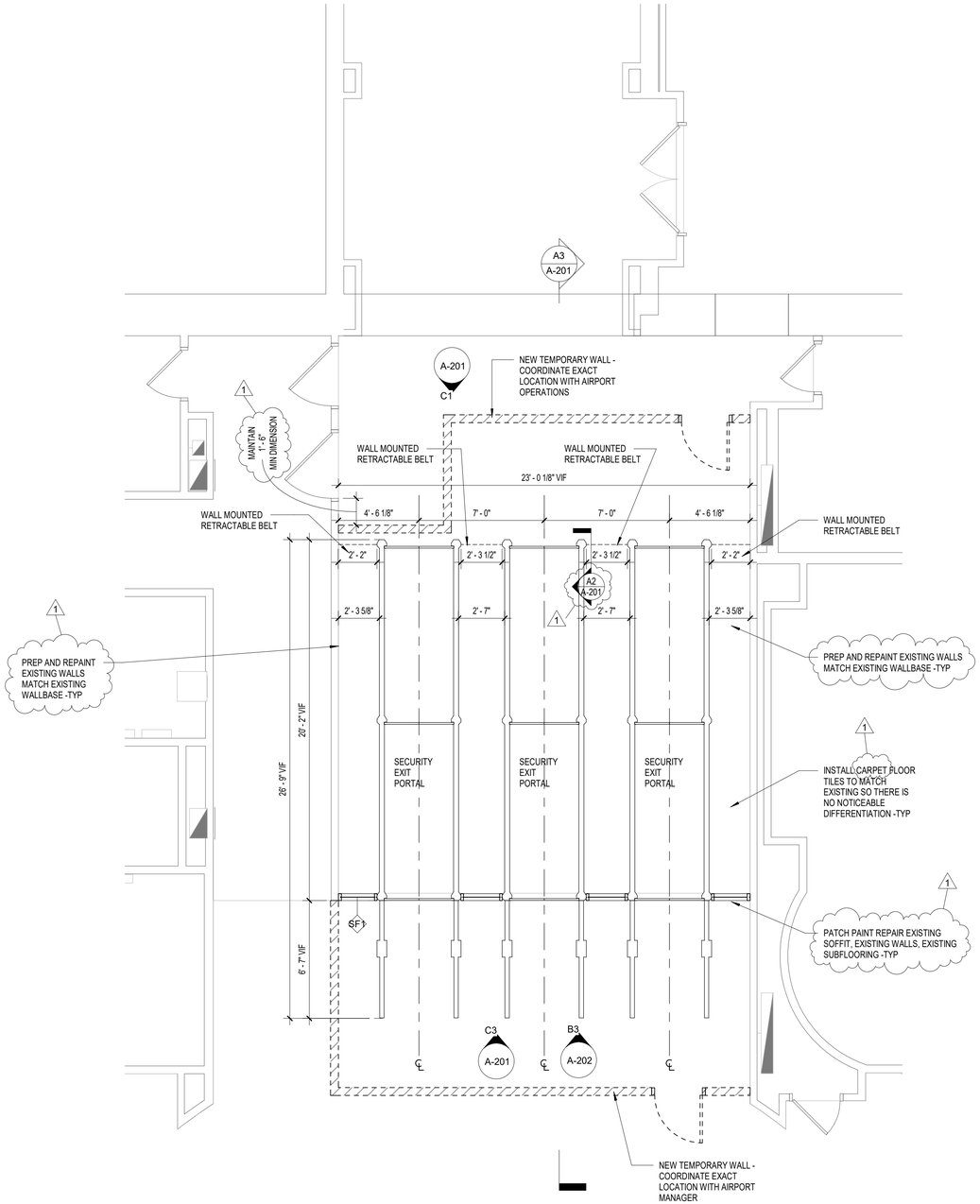
REVISIONS

PROJECT NO:	O68004001
DATE:	03/23/2020
DRAWN BY:	PDM, AIA LEED AP BD+C
DESIGNED BY:	PDM, AIA LEED AP BD+C
CHECKED BY:	SH SHOVA

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

BUILDING CODE INFORMATION

A-002



N

0 2' 4' 8'

A1 LEVEL 2 - NORTH TERMINAL-PLAN DETAIL
SCALE: 1/4" = 1'-0"

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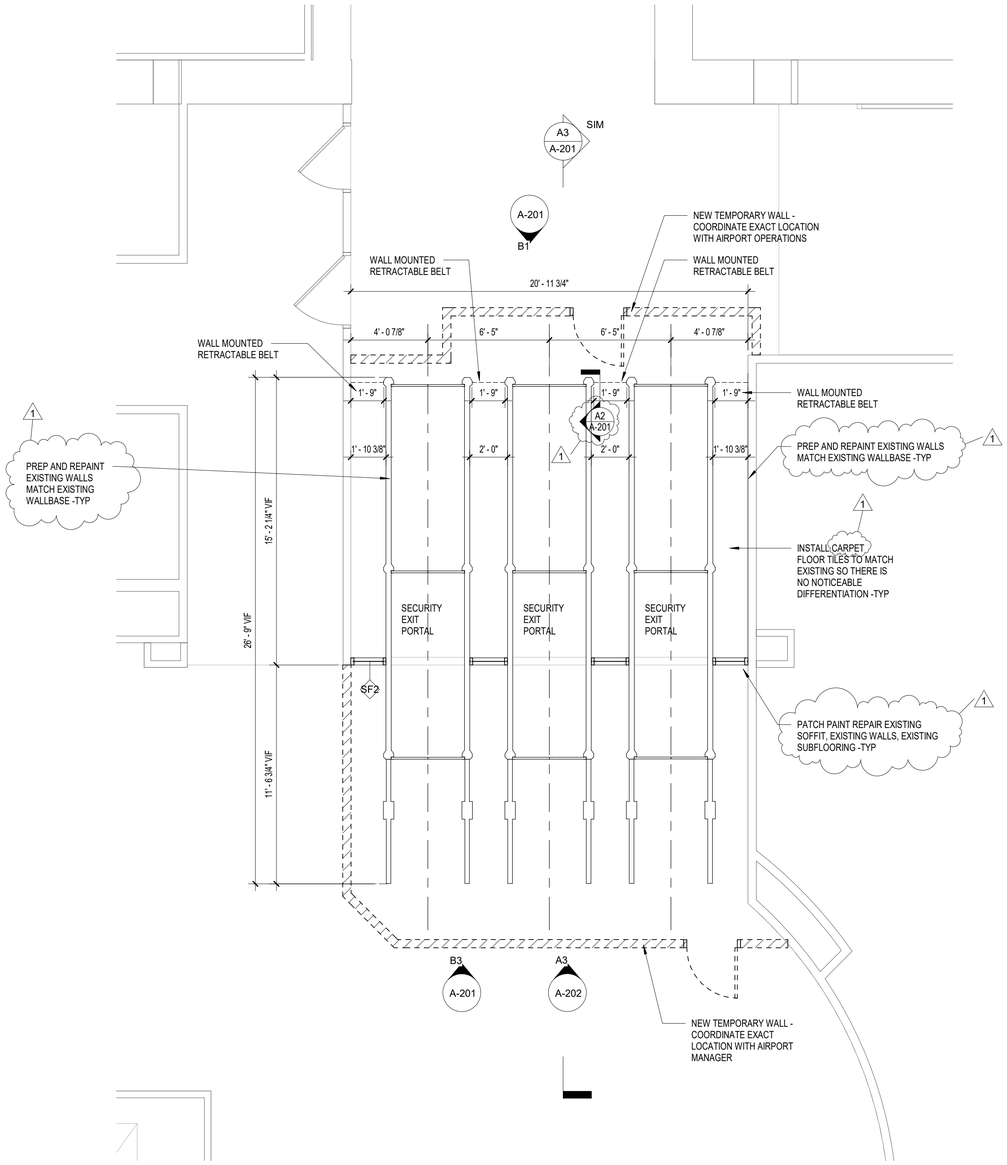
NORTH TERMINAL - LEVEL 2 - PLAN DETAIL

A-151



N

0 2' 4' 8'

A1 LEVEL 2 - SOUTH TERMINAL - PLAN DETAIL
SCALE: 1/4" = 1'-0"

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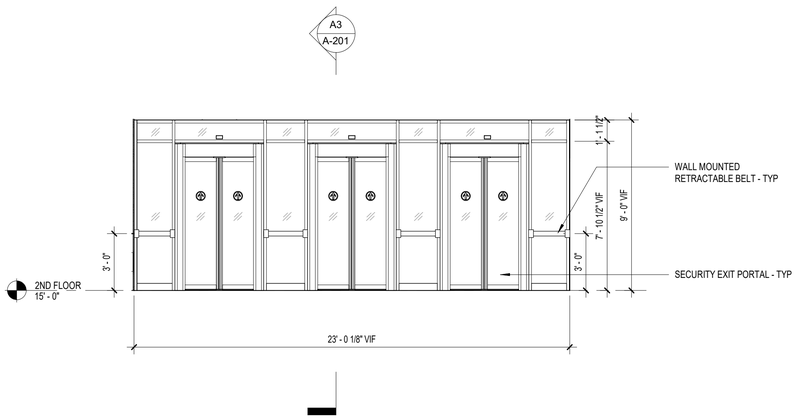
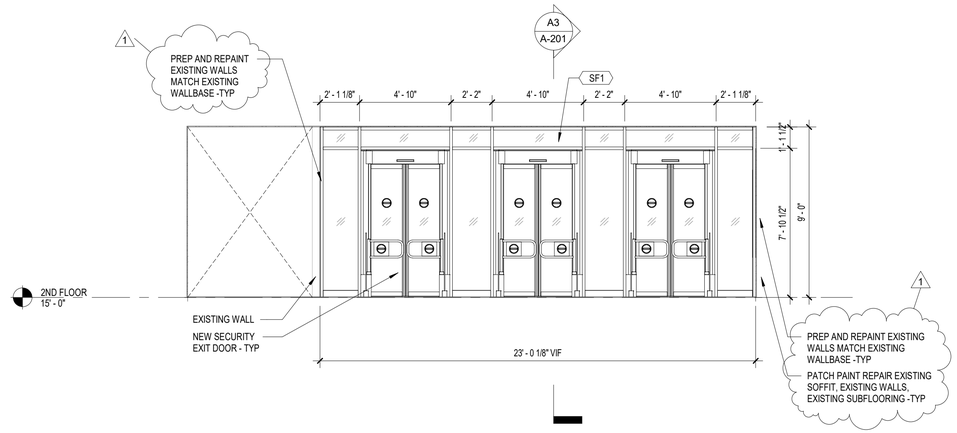
SOUTH TERMINAL - LEVEL 2 - PLAN DETAIL

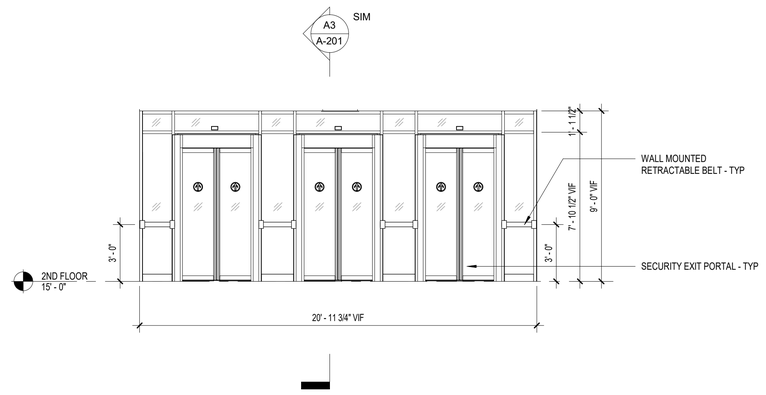
A-152



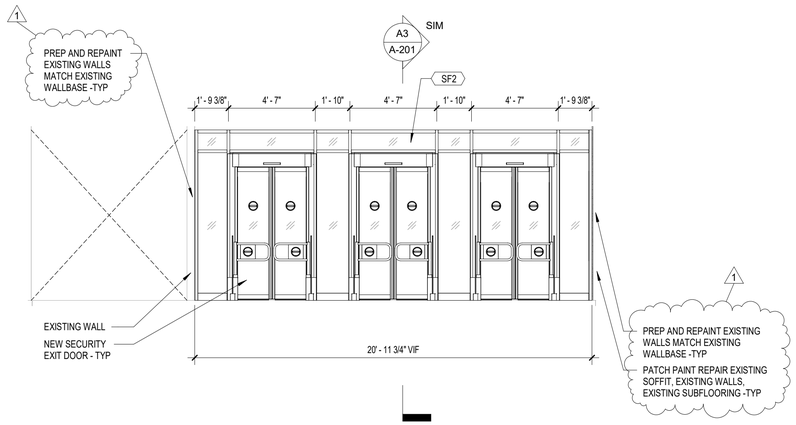
C1 ELEVATION - EXIT LANES NORTH - SECURE SIDE
SCALE: 1/4" = 1'-0"



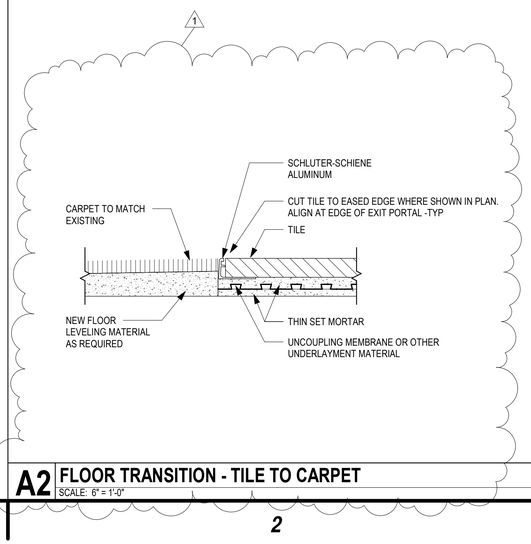
C3 ELEVATION - EXIT LANES NORTH - PUBLIC SIDE
SCALE: 1/4" = 1'-0"



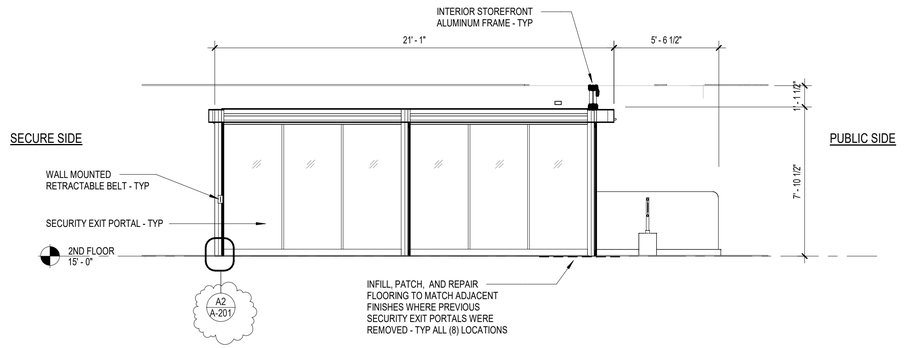
B1 ELEVATION - EXIT LANES SOUTH - SECURE SIDE
SCALE: 1/4" = 1'-0"



B3 ELEVATION - EXIT LANES SOUTH - PUBLIC SIDE
SCALE: 1/4" = 1'-0"



A2 FLOOR TRANSITION - TILE TO CARPET
SCALE: 6" = 1'-0"



A3 TYPICAL SECTION OF SECURITY PORTAL
SCALE: 1/4" = 1'-0"

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ELEVATIONS, SECTION

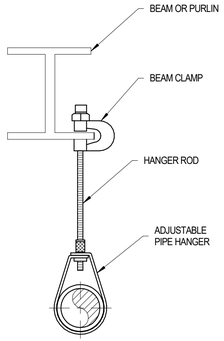
A-201

SYMBOL	DESCRIPTION
●	SEMI RECESSED PENDENT SPRINKLER HEAD
◉	PENDENT SPRINKLER
———	PROPOSED PIPING
———	EXISTING PIPING
- - - -	PIPING TO BE REMOVED
	ELBOW DOWN
	DROP CONNECTION
	NEW TO EXISTING CONNECTION
	REMOVE BACK TO POINT INDICATED

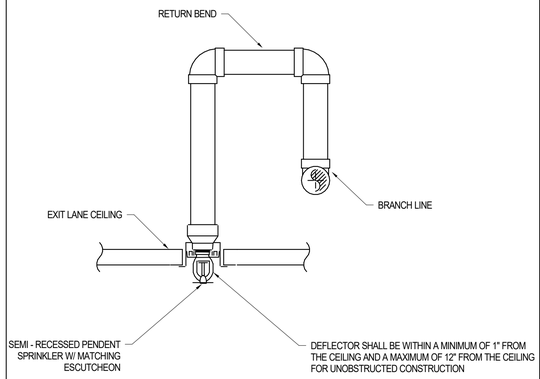
C2 SYMBOLS - FIRE PROTECTION SYMBOLS
SCALE: NOT TO SCALE

HANGER SPACING CHART	
PIPE SIZE	MAXIMUM HANGAR SPACING
1 1/4" OR SMALLER	8'-0"
1 1/2" TO 3"	10'-0"
4" TO 5"	12'-0"
6" OR LARGER	15'-0"

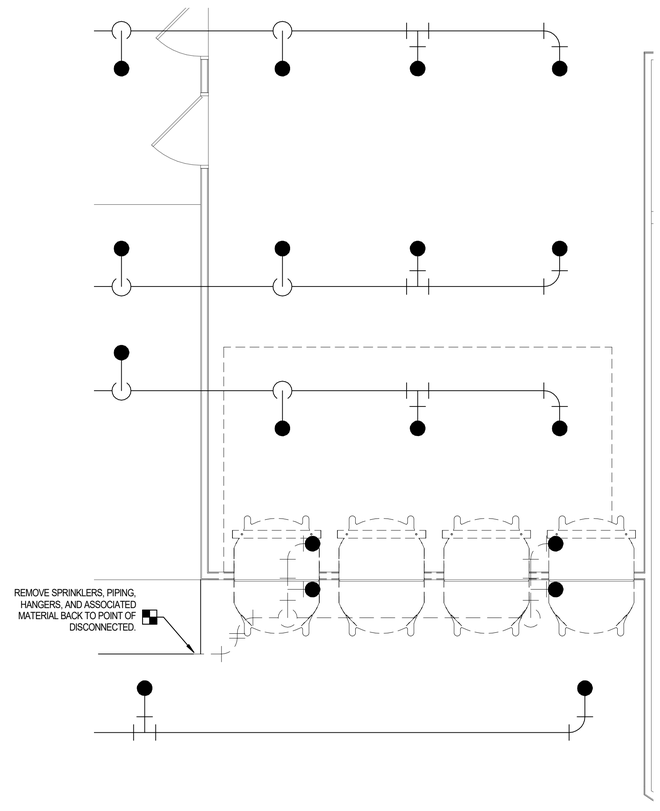
ROD SIZE CHART	
PIPE SIZE	MAXIMUM HANGAR SPACING
4" OR SMALLER	3/8"
5", 6" OR 8"	1/2"
10" & 12"	5/8"



C3 HANGER - BEAM CLAMP PIPE HANGER DETAIL
SCALE: NOT TO SCALE

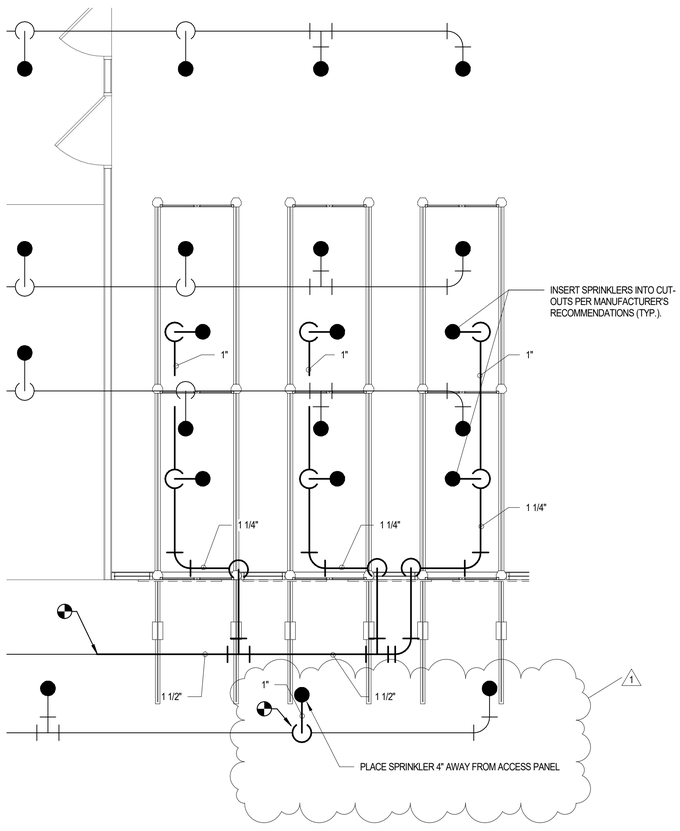


C4 SPRINKLER - SEMI RECESSED PENDENT SPRINKLER DETAIL
SCALE: NOT TO SCALE



A1 SECOND FLOOR - NORTH TERMINAL SPRINKLER DEMOLITION
SCALE: 1/4" = 1'-0"

0 2' 4' 8'



PLAN NORTH

A3 SECOND FLOOR - NORTH TERMINAL SPRINKLER
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

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STATE OF NEW YORK JEFFREY D. PALM 072206 LICENSED PROFESSIONAL ENGINEER

SYRACUSE REGIONAL AIRPORT AUTHORITY

TERMINAL EXIT LANE IMPROVEMENTS SYRACUSE HANCOCK INTERNATIONAL AIRPORT

MARK	DATE	DESCRIPTION
1	4/3/2020	ADDENDUM NO. 1

REVISIONS

PROJECT NO:	O68004001
DATE:	MARCH 23, 2020
DRAWN BY:	M.D. ALESSI
DESIGNED BY:	M.D. ALESSI
CHECKED BY:	K.M. GEIDEL, P.E.

SECOND FLOOR NORTH TERMINAL FIRE PROTECTION

F-101

1. PRIOR TO REMOVING ANY FIRE PROTECTION SYSTEM FROM SERVICE THE FIRE PROTECTION CONTRACTOR SHALL NOTIFY THE OWNER, LOCAL FIRE DEPARTMENT, CODE ENFORCEMENT OFFICIAL AND C&S COMPANIES FIRE PROTECTION ENGINEER IN WRITING A MINIMUM OF 48 HOURS BEFORE HAND THAT THE SYSTEM IS TO BE REMOVED FROM SERVICE. THE NOTIFICATION SHALL INCLUDE THE DATE AND TIME THE SYSTEM WILL BE REMOVED FROM SERVICE AND THE PROJECTED DATE AND TIME THE SYSTEM WILL BE RESTORED.

2. DURING ANY FIRE PROTECTION SYSTEM OUTAGES THE BUILDING SHALL BE PROVIDED WITH A FIRE WATCH AS REQUIRED BY THE INTERNATIONAL FIRE CODE. THE SOLE RESPONSIBILITY OF THE INDIVIDUAL ASSIGNED TO THE WATCH SHALL BE TO PERFORM CONSTANT PATROLS OF THE IMPAIRED AREA TO KEEP WATCH FOR FIRES. THE FIRE WATCH SHALL BE PROVIDED WITH AN APPROVED MEANS OF NOTIFICATION FOR THE FIRE DEPARTMENT. IF THE BUILDING IS PROTECTED BY MULTIPLE FIRE PROTECTION SYSTEMS ONLY THE IMPAIRED AREA OF THE BUILDING SHALL BE REQUIRED TO BE PATROLLED BY THE FIRE WATCH.

3. THE FIRE DEPARTMENT CONNECTION SHALL BE AFFIXED WITH AN OUT OF SERVICE SIGN WHENEVER THE SPRINKLER SYSTEM MAIN CONTROL VALVE IS CLOSED. THE SIGN SHALL BE PROVIDED, INSTALLED AND POLICED BY THE FIRE PROTECTION CONTRACTOR.

4. ALL FIRE PROTECTION SYSTEM IMPAIRMENTS SHALL OCCUR IN ACCORDANCE WITH THE INTERNATIONAL FIRE CODE.

5. THE SYSTEM IMPAIRMENT FOR THE RENOVATION SHALL BE CONDUCTED AS A PRE-PLANNED IMPAIRMENT. TO MINIMIZE THE IMPAIRMENT TIME ALL NECESSARY TOOLS AND MATERIALS SHALL BE ASSEMBLED ONSITE PRIOR TO REMOVING THE SYSTEM FROM SERVICE.

6. THE FOLLOWING PROJECT SPECIFIC IMPAIRMENT ACTIONS SHALL BE IMPLEMENTED.

   A. THE FIRE PROTECTION CONTRACTOR SHALL PHASE WORK SUCH THAT AT THE END OF EACH WORK SHIFT THE FIRE SPRINKLER SYSTEM WITHIN THE BUILDING SHALL BE OPERATIONAL UNTIL THE START OF THE NEXT SHIFT.

   B. THE RECONSTRUCTION AREA SHALL BE PROVIDED WITH A FIRE WATCH WHENEVER THE BUILDING IS OCCUPIED AND THE FIRE SPRINKLER SYSTEM IN THE RECONSTRUCTION AREA HAS BEEN REMOVED FROM SERVICE.

7. WITHIN 24 HOURS OF RESTORING ANY FIRE PROTECTION SYSTEM TO SERVICE THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE IN WRITING TO THE OWNER, LOCAL FIRE DEPARTMENT, CODE ENFORCEMENT OFFICIAL AND C&S COMPANIES FIRE PROTECTION ENGINEER CERTIFICATION THAT THE FOLLOWING HAS BEEN IMPLEMENTED:
   A. ALL INSPECTIONS AND TEST HAVE BEEN COMPLETED TO INSURE THE AFFECTED SYSTEM IS OPERATIONAL.
   B. THE IMPAIRMENT TAG HAS BEEN REMOVED
   C. THE OWNER AND OR OCCUPANT HAVE BEEN INSTRUCTED ON THE OPERATION OF THE SYSTEM.
   D. THE THIRD PARTY MONITORING COMPANY HAS BEEN ADVISED THAT THE SYSTEM IS IN SERVICE.

8. UNLESS APPROVED BY THE AUTHORITY HAVING JURISDICTION THE AUTOMATIC SPRINKLER SYSTEM SHALL REMAIN OPERATIONAL THROUGHOUT DEMOLITION AND SHALL BE THE LAST SYSTEM DEMOLISHED.

9. SPRINKLER SYSTEM SHALL BE DEMOLISHED AS SHOWN. PIPING SHALL BE CAPPED AT ALL DISCONNECT FROM EXISTING POINTS AND A PIPE SUPPORT INSTALLED SUCH THAT THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST SUPPORTED SPRINKLER ON THE LINE DOES NOT EXCEED THE FOLLOWING MAXIMUMS:
   A. 1" PIPE - 36" MAXIMUM
   B. 1.25" PIPE - 48" MAXIMUM
   C. 1.5" PIPE AND GREATER - 60" MAXIMUM

C2 FIRE PROTECTION IMPAIRMENT NOTES

SCALE: NOT TO SCALE

GENERAL NOTES:

A. PROVIDE SPRINKLERS, PIPING, AND ASSOCIATED MATERIAL REQUIRED FOR NEW SPRINKLER LAYOUT AS INDICATED. THE SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE 2013 EDITION OF NFPA 13, THE 2015 INTERNATIONAL FIRE CODE AND 2017 NYS SUPPLEMENT. REFER TO DIVISION 21 SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. NOT ALL SPRINKLERS AND SPRINKLER PIPING IS INDICATED. ONLY SPRINKLERS AND PIPING THAT IS ASSOCIATED WITH NEW WORK AND RENOVATED AREAS IS INDICATED.

C. DESIGN CRITERIA:

   1. CORRIDORS AND LOUNGES LOCATED IN PASSENGER-HANDLING, AREAS: ORDINARY HAZARD GROUP 1, QUICK RESPONSE SPRINKLERS, 0.15 GPM/SQ.FT. OVER 1500 SQ.FT., 500 GPM HOSE STREAM.

D. SPRINKLER LAYOUT AND PIPE SIZES ARE DIAGRAMMATIC IN NATURE, HOWEVER INTENDED TO BE INSTALLED AS SHOWN ON THE CONTRACT DRAWINGS. CONTRACTOR SHALL SUBMIT A COMPLETE SPRINKLER SYSTEM LAYOUT INDICATING DEVIATIONS FROM THE CONTRACT DOCUMENTS (WITH JUSTIFICATION FOR DEVIATIONS) AND HYDRAULIC CALCULATIONS PRIOR TO THE START OF CONSTRUCTION.

E. CONTRACTOR SHALL COMPLETELY COORDINATE SPRINKLER SYSTEM INSTALLATION WITH OTHER TRADES.

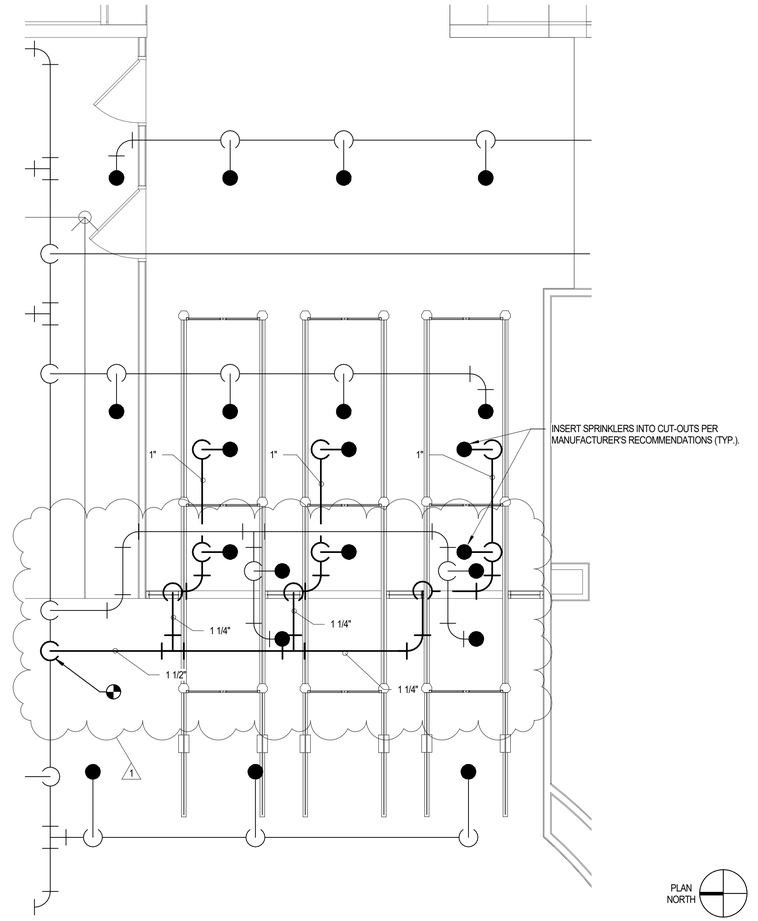
F. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE APPROPRIATELY FIRE STOPPED.

G. CONCEALED PENDENT SPRINKLERS SHALL BE QUICK-RESPONSE, 5.6 K-FACTOR, 155°F, WITH WHITE COVER PLATE.

H. CUT AND PATCH CEILING AS REQUIRED TO FACILITATE REMOVAL AND INSTALLATION OF SPRINKLER SYSTEM. PRIME AND PAINT TO MATCH.

C4 FIRE PROTECTION GENERAL NOTES

SCALE: NOT TO SCALE



A3 SECOND FLOOR - SOUTH TERMINAL SPRINKLER

SCALE: 1/4" = 1'-0"

0 2' 4' 8'

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DESIGNED BY:	M.D. ALESSI
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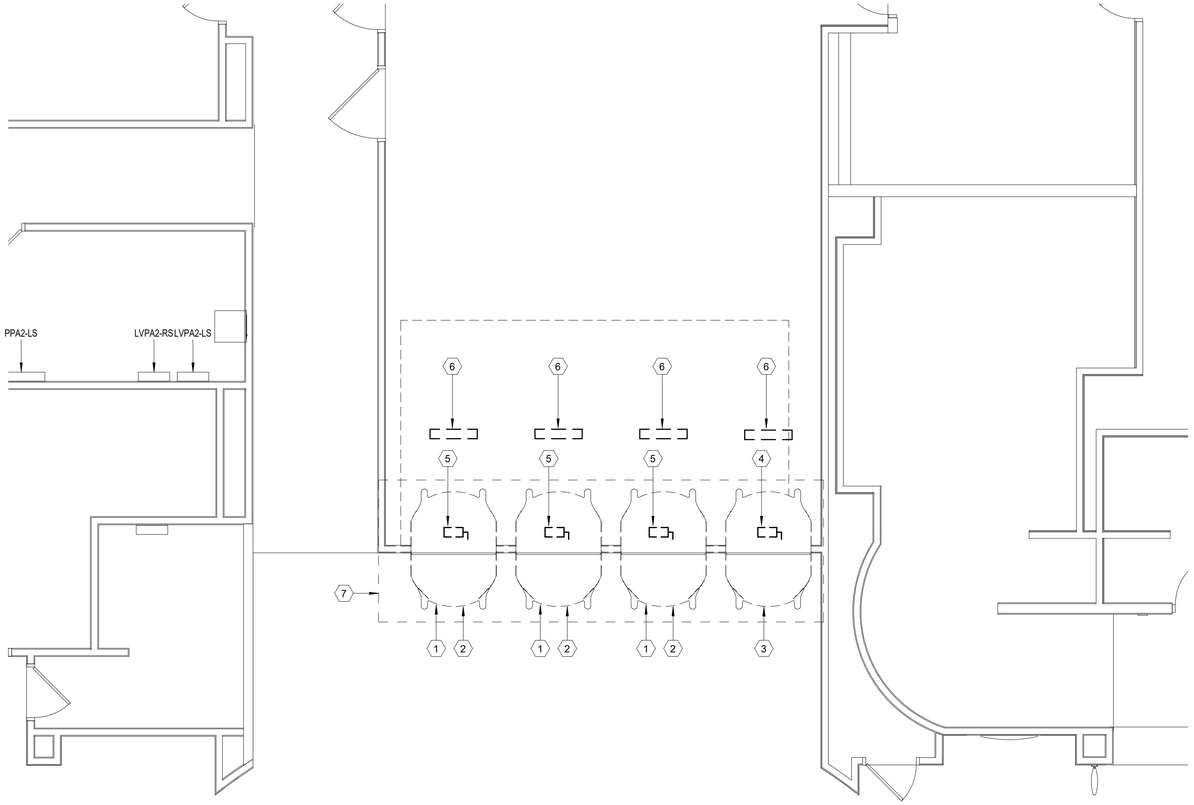
SECOND FLOOR SOUTH TERMINAL FIRE PROTECTION

F-102



1	DISCONNECT AND REMOVE CAMERA FROM EXIT PORTAL. CABLING TO BE REUSED FOR PROPOSED EXIT LANE CAMERAS.
2	DISCONNECT DATA COMMUNICATION CABLING FROM EXIT PORTAL. TO BE REUSED FOR PROPOSED EXIT LANES DATA MONITORING.
3	DISCONNECT AND REMOVE CAMERA, DISCONNECT DATA COMMUNICATION CABLING, COIL UP CABLING AND ABANDON ABOVE CEILING.
4	REMOVE DISCONNECT AND CABLING BACK TO SOURCE.
5	REMOVE DISCONNECT. EXISTING WIRING TO REMAIN.
6	REMOVE EXISTING ELECTRONIC SIGN AND CABLING (FIRE ALARM AND NETWORK)BACK TO SOURCE. REMOVE SIGNAGE FROM FIRE ALARM CONTROL PANEL PROGRAMMING.
7	DISCONNECT EXISTING FIRE ALARM RELAYS FROM EXIT PORTABLE. REMOVE CABLING FROM PORTALS BACK TO RELAY.

1

C4 SHEET KEYNOTES
SCALE: NOT TO SCALE

PLAN NORTH

A1 SECOND FLOOR - NORTH TERMINAL POWER DEMO
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

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LICENSED PROFESSIONAL ENGINEER

SYRACUSE REGIONAL AIRPORT AUTHORITY

TERMINAL EXIT LANE IMPROVEMENTS
SYRACUSE HANCOCK INTERNATIONAL AIRPORT

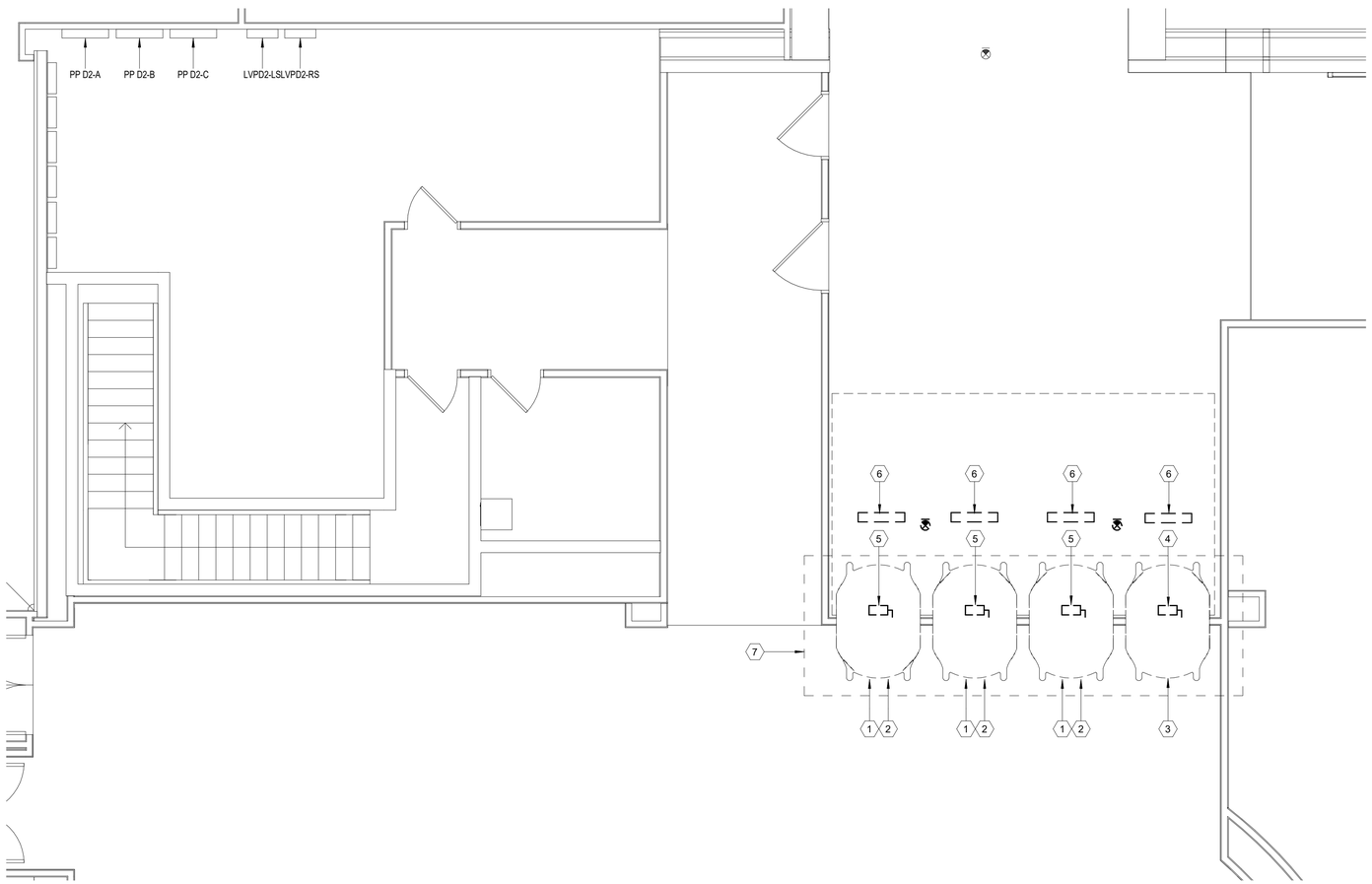
MARK	DATE	DESCRIPTION
1	4/3/2020	ADDENDUM NO. 1

REVISIONS

PROJECT NO:	O68004001
DATE:	MARCH 23, 2020
DRAWN BY:	M.R. MILNE
DESIGNED BY:	M.R. MILNE
CHECKED BY:	S.H. SHOVA

SECOND FLOOR NORTH TERMINAL ELECTRICAL DEMOLITION PLAN

ED-101



PLAN NORTH

0 2' 4' 8'

A1 SECOND FLOOR - SOUTH TERMINAL POWER DEMO
SCALE: 1/4" = 1'-0"

1	DISCONNECT AND REMOVE CAMERA FROM EXIT PORTAL. CABLING TO BE REUSED FOR PROPOSED EXIT LANE CAMERAS.
2	DISCONNECT DATA COMMUNICATION CABLING FROM EXIT PORTAL. TO BE REUSED FOR PROPOSED EXIT LANES DATA MONITORING.
3	DISCONNECT AND REMOVE CAMERA, DISCONNECT DATA COMMUNICATION CABLING, COIL UP CABLING AND ABANDON ABOVE CEILING.
4	REMOVE DISCONNECT AND CABLING BACK TO SOURCE.
5	REMOVE DISCONNECT. EXISTING WIRING TO REMAIN.
6	REMOVE EXISTING ELECTRONIC SIGN AND CABLING (FIRE ALARM AND NETWORK)BACK TO SOURCE. REMOVE SIGNAGE FROM FIRE ALARM CONTROL PANEL PROGRAMMING.
7	DISCONNECT EXISTING FIRE ALARM RELAYS FROM EXIT PORTABLE. REMOVE CABLING FROM PORTALS BACK TO RELAY.

1

C4 SHEET KEYNOTES
SCALE: NOT TO SCALE

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TERMINAL EXIT LANE IMPROVEMENTS
SYRACUSE HANCOCK INTERNATIONAL AIRPORT

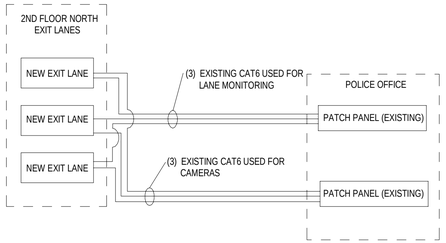
MARK	DATE	DESCRIPTION
1	4/3/2020	ADDENDUM NO. 1

REVISIONS

PROJECT NO:	O68004001
DATE:	MARCH 23, 2020
DRAWN BY:	M.R. MILNE
DESIGNED BY:	M.R. MILNE
CHECKED BY:	S.H. SHOVA

SECOND FLOOR SOUTH TERMINAL ELECTRICAL DEMOLITION PLAN

ED-102



C3 NORTH EXIT LANE ONE-LINE

SCALE: 1" = 1'-0"

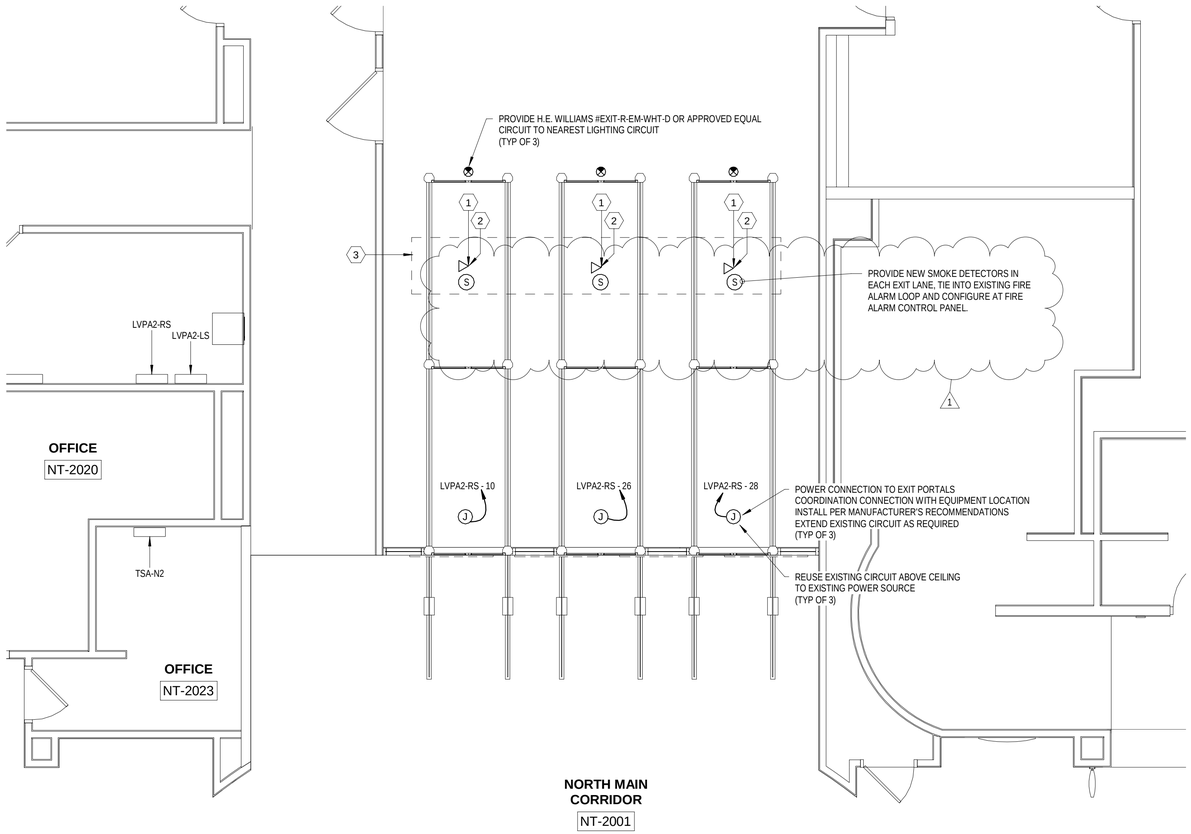
1 REUSE (1) EXISTING PORTAL CAMERA CAT6 FOR NEW EXIT LANE CAMERAS. EXISTING CABLING RUNS BACK TO THE POLICE OFFICE.

2 REUSE (1) EXISTING CAT6 FOR DIRECT CONNECTION TO POLICE OFFICE FOR DATA MONITORING.

3 CONNECT THE NEW EXIT LANES IN THE EXISTING FIRE ALARM RELAY. THE FIRE ALARM RELAY FUNCTION PROGRAM SHALL REMAIN UNCHANGED. RETEST FIRE ALARM INTERFACE IN ACCORDANCE WITH NFPA 72.

C4 SHEET KEYNOTES

SCALE: NOT TO SCALE



NOTES:

1. LOCATIONS OF EXISTING AND NEW DEVICES ARE APPROXIMATE. CONTRACTOR WILL VERIFY LOCATIONS OF EXISTING DISCONNECTS PRIOR TO ROUGH-INS.
2. COORDINATE WITH EXIT LANE MANUFACTURER FOR POWER CONNECTION LOCATIONS AND REQUIREMENTS.
3. COORDINATE WITH EXIT LANE MANUFACTURER FOR DATA CONNECTION LOCATIONS AND REQUIREMENTS.
4. ABANDON UNUSED DATA CABLING ABOVE CEILING.
5. COORDINATE WITH EXIT LANE MANUFACTURER FOR SMOKE DETECTOR LOCATIONS AND REQUIREMENTS.
6. COORDINATE WITH EXIT LANE MANUFACTURER TO DISABLE THE OBJECT DETECTION ALONG THE CEILING TO ALLOW SMOKE DETECTOR INSTALLATION.

A1 SECOND FLOOR - NORTH TERMINAL POWER

SCALE: 1/4" = 1'-0"

0 2' 4' 8'

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SYRACUSE REGIONAL AIRPORT AUTHORITY

TERMINAL EXIT LANE IMPROVEMENTS SYRACUSE HANCOCK INTERNATIONAL AIRPORT

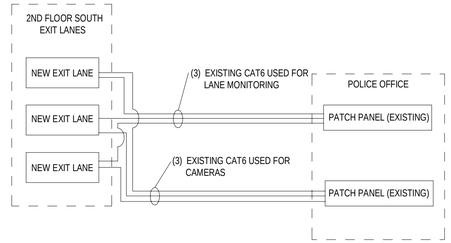
MARK	DATE	DESCRIPTION
1	4/3/2020	ADDENDUM NO. 1

REVISIONS

PROJECT NO:	O68004001
DATE:	MARCH 23, 2020
DRAWN BY:	F.K. NEILEY, P.E.
DESIGNED BY:	F.K. NEILEY, P.E.
CHECKED BY:	S.H. SHOVA

SECOND FLOOR NORTH TERMINAL ELECTRICAL PLAN

E-101

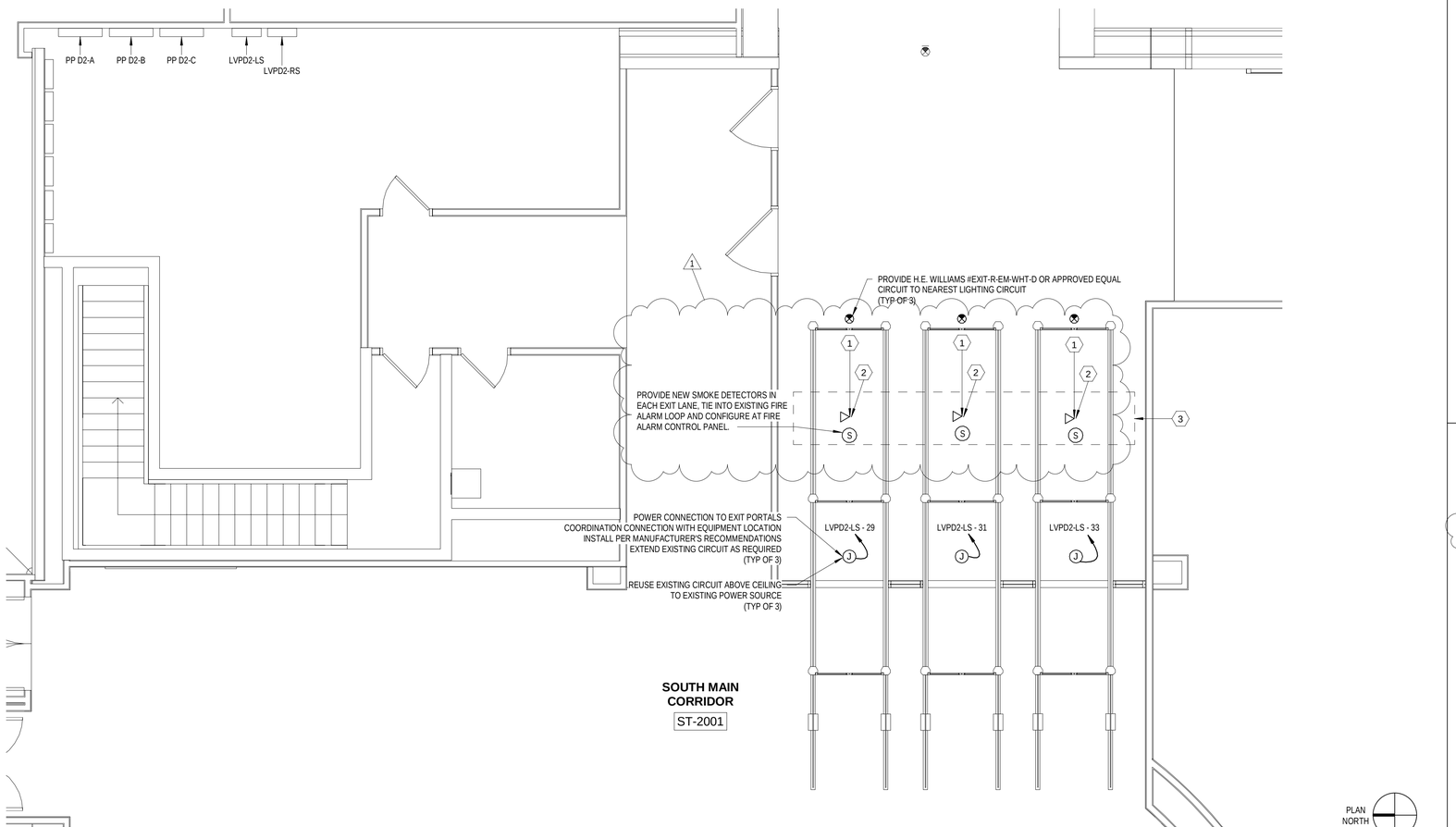


C3 SOUTH EXIT LANE ONE-LINE
SCALE: 1" = 1'-0"

1. REUSE (1) EXISTING PORTAL CAMERA CAT6 FOR NEW EXIT LANE CAMERAS. EXISTING CABLING RUNS BACK TO THE POLICE OFFICE.
2. REUSE (1) EXISTING CAT6 FOR DIRECT CONNECTION TO POLICE OFFICE FOR DATA MONITORING.
3. CONNECT THE NEW EXIT LANES IN THE EXISTING FIRE ALARM RELAY. THE FIRE ALARM RELAY FUNCTION PROGRAM SHALL REMAIN UNCHANGED. RETEST FIRE ALARM INTERFACE IN ACCORDANCE WITH NFPA 72.

1

C4 SHEET KEYNOTES
SCALE: NOT TO SCALE



A1 SECOND FLOOR - SOUTH TERMINAL POWER
SCALE: 1/4" = 1'-0"

0 2' 4' 8'

NOTES:

1. LOCATIONS OF EXISTING AND NEW DEVICES ARE APPROXIMATE. CONTRACTOR WILL VERIFY LOCATIONS OF EXISTING DISCONNECTS PRIOR TO ROUGH-INS.
2. COORDINATE WITH EXIT LANE MANUFACTURER FOR POWER CONNECTION LOCATIONS AND REQUIREMENTS.
3. COORDINATE WITH EXIT LANE MANUFACTURER FOR DATA CONNECTION LOCATIONS AND REQUIREMENTS.
4. ABANDON UNUSED DATA CABLING ABOVE CEILING.
5. COORDINATE WITH EXIT LANE MANUFACTURER FOR SMOKE DETECTOR LOCATIONS AND REQUIREMENTS.
6. COORDINATE WITH EXIT LANE MANUFACTURER TO DISABLE THE OBJECT DETECTION ALONG THE CEILING TO ALLOW SMOKE DETECTOR INSTALLATION.

1

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TERMINAL EXIT LANE IMPROVEMENTS
SYRACUSE HANCOCK INTERNATIONAL AIRPORT

MARK	DATE	DESCRIPTION
1	4/3/2020	ADDENDUM NO. 1

REVISIONS

PROJECT NO:	O68004001
DATE:	MARCH 23, 2020
DRAWN BY:	F.K. NEILEY, P.E.
DESIGNED BY:	F.K. NEILEY, P.E.
CHECKED BY:	S.H. SHOVA

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SECOND FLOOR SOUTH TERMINAL ELECTRICAL PLAN

E-102