

**CITY OF LEBANON  
LEBANON AIRPORT**

**TERMINAL BUILDING AND SAND STORAGE AREA IMPROVEMENTS**

**FAA AIP No. 3-33-0010-###-2021**

**ADDENDUM No. 2**

**Date: April 14, 2021**

The following is provided to clarify, add or delete information in the Contract Documents, Specifications and Plans for the above project.

**This information is required for bidding and construction, and the Bidder's acknowledgement of receipt of this Addendum is required on the BID PROPOSAL.**

As a point of clarification, it should be understood that the Contract Documents govern all aspects of the project. Informal discussions held during the Pre-Bid Conference or over the telephone are informational only. All official changes to the Contract Documents are made only by addenda. The following changes and additional information are hereby made a part of the Contract Documents.

**RESPONSE TO QUESTIONS**

1. What is the Engineer's opinion of probable cost?

**\$900,000.00 USD.**

2. Is the Door elevation "N" correct information (See Drawing A1.10, Door Schedule, Column: "Elev.")? Is the material Aluminum correct?

**Doors to stay as type "N". Those doors will change from aluminum to FRP as shown in this addendum. See the Revised Drawing A1.10 as part of this addendum.**

3. On the door schedule page, doors 102A, 110A, 116A, 116B, 116C, 123A & 124A are called out as "N" type doors as well as aluminum. If flush aluminum doors are what is wanted in these locations, is there a basis of design that will be provided?

**See the Revised Drawing A1.10 as part of this addendum.**

4. Certificate of Grantee/Borrowers Attorney (see specifications page 16 of 388) - This form does not get submitted with the Bid, right?

**This form does not get submitted with the bid unless the bidder is using an attorney to sign all required certifications.**

5. Can we send in our bid also electronically?

**Bids must be physically mailed to the address indicated on the bid documents.**

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6. Does the Buy American clause apply to the entire project or are there specific trades and/or materials that it applies to (See specs page 33)?

**The Buy American clause applies to the entire project.**

7. Are you going to provide us with a phasing plan?

What areas and locations are important for you to reach and keep open during the renovation project? (TSA, Bag Claim, Car rental, Ticket – airport counter check-in desk, bathrooms, entrances etc). What kind and where will the temporary TSA, Bag claim, car rental, check-in desk be when existing is being reconfigured/improved?

**See Revised Drawing G1.3. The Contractor shall be responsible for developing an interior construction phasing plan, to be submitted prior to the start of construction, that specifies how they intend to perform the necessary interior work while not interfering with daily flight operations. This plan shall be reviewed by the Airport Manager and the Engineer prior to start of work. Proposed work in non-public areas can be performed during airport operation hours with 48 hours advanced notice and coordination with airport staff, and shall be detailed in the interior construction phasing plan.**

**The TSA area must remain functional during operation hours. No temporary TSA facilities will be provided for this project.**

**The Areas that must remain operational during their hours of operation are as follows:**

<b>Location</b>	<b>Hours of Operation</b>
<b>Cape Air Ticket Counter</b>	<b>6:00 AM – 6:00 PM, Daily</b>
<b>AVIS Car Rental Counter</b>	<b>8:00 AM – 6:00 PM, Daily</b>
<b>Restaurant Bright Side Brewing Company</b>	<b>8:00 AM – 10PM, Tuesday - Sunday</b>
<b>TSA Area</b>	<b>6:00 AM – 5:00 PM, Daily</b>
<b>Passenger Waiting and Baggage Claim</b>	<b>6:00 AM – 7:00 PM, Daily</b>

**The Bathrooms and building entrances must remain accessible during all public operation hours (6:00 AM – 7:00 PM).**

**The electrical contractor must provide a portable generator during service outages for contractor temporary power, (3) 120V 20A circuits for airport door lock system and video surveillance, and (2) 120V 20A, (1) 208V 1-phase 60A, (1) 208V 3-phase 30A, and (1) 208V 3-phase 50A circuits for restaurant coolers and freezers. Contractor to verify exact circuits and requirements with owner prior to any shutdowns.**

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8. Do you have a Start and Finish date for the project?

**It is anticipated that the start date will be September 15, 2021, subject to the FAA's grant approval timeline. Construction must be completed within 60 Calendar Days as stated on the Bid Documents.**

9. What is the existing finish on the Glulam Beams? In accordance to the specifications that is a suitable coating system assuming there is no polyurethane/varnish currently on the glulam beams. If there is indeed a poly coat currently on them, we would not be able to stain over that.

**See Revised Specifications Section 099000 included in this addendum.**

**PROJECT MANUAL:**

- 1. Reference BID Addendum No.1 dated April 2, 2021; Specification Section 08 1613 – Fiberglass Doors:**

A. **DELETE** in its entirety. **SUBSTITUTE** the attached revised specification section 08 1613 – Fiberglass Doors.

- 2. Reference Specification Section 09 9000 – Paints and Coatings:**

A. **DELETE** in its entirety. **SUBSTITUTE** the attached revised specification section 09 9000 – Paints and Coatings.

**CONTRACT DRAWINGS**

- 1. Reference Sheet No. G1.3 CONSTRUCTION SAFETY AND PHASING PLAN**

A. **DELETE** in its entirety. **SUBSTITUTE** the attached revised sheet No. G1.3 Construction Safety and Phasing Plan

- 2. Reference Sheet No. A1.4 Floor Plans:**

A. **DELETE** Keynote C2 in its entirety. **ADD** Keynote C2 “STRIP, SAND AND STAIN EXISTING GLUELAM COLUMN ON ALL EXPOSED SIDES”.

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**3. Reference Sheet No. A1.5 Reflected Ceiling Plan:**

- A. **DELETE** Keynote C1 in its entirety. **ADD** Keynote C1 “STRIP, SAND AND STAIN EXISTING GLUELAM BEAM ON ALL EXPOSED SIDES”.

**4. Reference Sheet No. A1.7 Wall Sections:**

- A. **Detail 2/A1.7- DELETE** note “(E) GLULAM BEAM, SAND, STAIN AND VARNISH ALL EXPOSED SIDES, TYP”. **ADD** note “STRIP, SAND AND STAIN EXISTING GLUELAM BEAM ON ALL EXPOSED SIDES”.
- B. **Detail 4/A1.7- DELETE** note “(E) GLULAM BEAM, SAND, STAIN AND VARNISH ALL EXPOSED SIDES, TYP”. **ADD** note “STRIP, SAND AND STAIN EXISTING GLUELAM BEAM ON ALL EXPOSED SIDES”.
- C. **Detail 9/A1.7- DELETE** note “(E) GLULAM BEAM, SAND, STAIN AND VARNISH ALL EXPOSED SIDES, TYP”. **ADD** note “STRIP, SAND AND STAIN EXISTING GLUELAM BEAM ON ALL EXPOSED SIDES”.

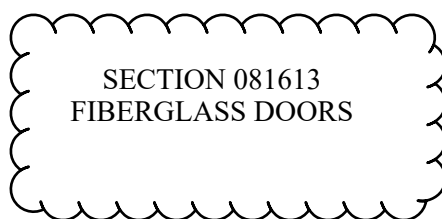
**5. Reference Sheet No. A1.8 Section and Plan Details:**

- A. **Detail 6/A1.8- DELETE** note “(E) GLULAM BEAM, SAND, STAIN AND VARNISH ALL EXPOSED SIDES, TYP”. **ADD** note “STRIP, SAND AND STAIN EXISTING GLUELAM BEAM ON ALL EXPOSED SIDES”.
- B. **Detail 9/A1.8- DELETE** note “(E) GLULAM BEAM, SAND, STAIN AND VARNISH ALL EXPOSED SIDES, TYP”. **ADD** note “STRIP, SAND AND STAIN EXISTING GLUELAM BEAM ON ALL EXPOSED SIDES”.
- C. **Detail 10/A1.8- DELETE** note “(E) GLULAM BEAM, SAND, STAIN AND VARNISH ALL EXPOSED SIDES, TYP”. **ADD** note “STRIP, SAND AND STAIN EXISTING GLUELAM BEAM ON ALL EXPOSED SIDES”.
- D. **Detail 11/A1.8- DELETE** note “(E) GLULAM BEAM, SAND, STAIN AND VARNISH ALL EXPOSED SIDES, TYP”. **ADD** note “STRIP, SAND AND STAIN EXISTING GLUELAM COLUMN ON ALL EXPOSED SIDES”.
- E. **Detail 16/A1.8- DELETE** note “(E) GLULAM BEAM, SAND, STAIN AND VARNISH ALL EXPOSED SIDES, TYP”. **ADD** note “STRIP, SAND AND STAIN EXISTING GLUELAM BEAM ON ALL EXPOSED SIDES”.

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**6. Reference Sheet No. A1.10 Door Schedule and Details:**

- A. **DELETE** in its entirety. **SUBSTITUTE** the attached revised sheet No. A1.10 Door Schedule and Details.



PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fiberglass doors.
- B. Fiberglass door frames.
- C. Borrowed lite frames.

1.02 RELATED REQUIREMENTS

- A. Section 08 7100 - Door Hardware.
- B. Section 08 8000 - Glazing.

1.03 REFERENCE STANDARDS

- A. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections 2009.
- B. ASTM D635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position 2018.
- C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2020.
- D. ASTM E283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen 2004 (Reapproved 2012).
- E. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference 2000 (Reapproved 2016).

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard details, installation instructions, hardware and anchor recommendations.
- C. Shop Drawings: Indicate layout and profiles; include assembly methods.
  - 1. Indicate product components, including hardware reinforcement locations and preparations, accessories, finish colors, patterns, and textures.
  - 2. Indicate wall conditions, door and frame elevations, sections, materials, gauges, finishes, location of door hardware by dimension, and details of openings; use same reference numbers indicated on drawings to identify details and openings.

- D. Selection Samples: Submit two complete sets of color chips, illustrating manufacturer's available finishes, colors, and textures.
  - E. Manufacturer's Qualification Statement.
  - F. Installer's Qualification Statement.
  - G. Maintenance Data: Include instructions for repair of minor scratches and damage.
  - H. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer; include detailed terms of warranty.
- 1.05 QUALITY ASSURANCE
- A. Manufacturer Qualifications: Company specializing in manufacturing products of the type specified in this section, with not less than three years of documented experience.
  - B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.
- 1.06 DELIVERY, STORAGE, AND HANDLING
- A. Mark doors with location of installation, door type, color, and weight.
  - B. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
  - C. Store materials in original packaging, under cover, protected from exposure to harmful weather conditions and from direct contact with water.
    - 1. Store at temperature and humidity conditions recommended by manufacturer.
    - 2. Do not use non-vented plastic or canvas shelters.
    - 3. Immediately remove wet wrappers.
  - D. Store in position recommended by manufacturer, elevated minimum 4 inches above grade, with minimum 1/4 inch space between doors.
- 1.07 FIELD CONDITIONS
- A. Do not install doors until structure is enclosed.
  - B. Maintain temperature and humidity at manufacturer's recommended levels during and after installation of doors.
- 1.08 WARRANTY
- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
  - B. Provide ten (10) year manufacturer warranty covering materials and workmanship .
- PART 2 PRODUCTS
- 2.01 MANUFACTURERS
- A. Pultruded Fiberglass Reinforced Plastic (FRP) Doors:

1. Special-Lite, Inc; Pultruded Fiberglass Door: [www.special-lite.com/#sle](http://www.special-lite.com/#sle).
2. Plastpro Inc; Fir Grain Series, Shaker Profile[: [www.plastproinc.com/#sle](http://www.plastproinc.com/#sle).
3. Pella Corporation; Pella Impervia | Patio Doors: [www.pellacommercial.com/#sle](http://www.pellacommercial.com/#sle).

B. Fiberglass Composite Doors:

1. Pella Corporation; Pella Impervia | Patio Doors: [www.pellacommercial.com/#sle](http://www.pellacommercial.com/#sle).
2. Plastpro Inc; Fir Grain Series, Shaker Profile [\_\_\_\_\_]: [www.plastproinc.com/#sle](http://www.plastproinc.com/#sle).
3. Special-Lite, Inc; FRP/Aluminum Hybrid: [www.special-lite.com/#sle](http://www.special-lite.com/#sle).

## 2.02 DOOR AND FRAME ASSEMBLIES

A. Door and Frame Assemblies: Factory-fabricated, prepared and machined for hardware.

1. Screw-Holding Capacity: Tested to 890 pounds, minimum.
2. Surface Burning Characteristics: Flame spread index (FSI) of 0 to 25, Class A, and smoke developed index (SDI) of 450 or less, when tested in accordance with ASTM E84.
3. Flammability: Self-extinguishing when tested in accordance with ASTM D635.
4. Clearance Between Door and Frame: 1/8 inch, maximum.
5. Clearance Between Bottom of Door and Finished Floor: 3/4 inch, maximum; not less than 1/4 inch clearance to threshold.

## 2.03 COMPONENTS

A. Pultruded Fiberglass Doors: Fiberglass construction with reinforced core.

1. Basis of Design- Special-Lite; AF-200
2. Location: Maintenance Building
3. Thickness: 1-3/4 inch, nominal.
4. Core Material: Expanded polystyrene foam (EPS).
5. Construction:
  - a. Pultruded as single monolithic fiberglass reinforced plastic (FRP) panel.
6. Face Sheet Texture: Smooth.
7. Door Panel: Flush door.
8. Subframe and Reinforcements: Manufacturer's standard materials.
9. Waterproof Integrity: Provide factory fabricated edges, cut-outs, and hardware preparations of fiberglass reinforced plastic (FRP); provide cut-outs with joints sealed independently of glazing, louver inserts, or trim.
10. Hardware Preparations: Factory reinforce, machine, and prepare for door hardware including field installed items; provide solid blocking for each item; field cutting, drilling or tapping is not permitted; obtain manufacturer's hardware templates for preparation as necessary.

B. FRP/Aluminum Hybrid Doors: Poured-in-place polyurethane core.

1. Basis of Design- Special-Lite; SL-20 Sandstone Texture
2. Location: Terminal Building
3. Thickness: 1-3/4 inch, nominal.
4. Core Material: Poured-in-place polyurethane core.
5. Construction:
  - a. Stiles and Rails:
    - 1) Aluminum extrusions made from 6063 aluminum alloys with min. temper of T5.
    - 2) intrgral reglets to accept face sheet on both sides to permit flush appearance.



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- 3) Screw or snap in place cpas not acceptable.
  - 4) Bottom rails must have integral legs for interlocking continuous weather bar with single nylon brush weather stripping or manually adjustable door bottom with two nylon brush weather stripping.
  - 5) Meeting stiles to include integral pocket to accept pile brush weather seal.
  - b. Corners:
    - 1) Mitered.
    - 2) Secured with full-width steel tie rod through extruded splines top and bottom which are integral to standard tubular shaped rails.
    - 3) 6061 aluminum angle reinforcement at corner to give strong, flat surface for locking hex nut to bear on.
    - 4) Weld, glue, or other methods of corner joinery are not acceptable.
  - c. Core:
    - 1) Poured-in-place polyurethane foam.
    - 2) Foam Plastic Insulated Doors: IBC 2603.4.
      - a) Foam plastic shall be separated from the interior of a building by an approved thermal barrier.
      - b) Approved thermal barrier must meet the acceptance criteria of the Temperature Transmission Fire Test and Integrity Fire Test as stated in NFPA 275.
      - c) IBC 2603.4.1.7 foam plastic insulation, having a flame spread index less than 75 and a smoke developed index of not more than 450 shall be permitted as a door core when the face is metal minimum 0.032" aluminum or 0.016" steel.
      - d) Standard door assembly can be tested to show it meets these requirements without the use of thermal barrier. If no independent testing conducted all doors with foam plastic core must have a thermal barrier.
    - 3) Face Sheet:
      - a) Interior and Exterior:
        - 1 0" thick, Sandstone texture, through color FRP sheet.
        - 2 Class C standard.
  6. Waterproof Integrity: Provide factory fabricated edges, cut-outs, and hardware preparations of fiberglass reinforced plastic (FRP); provide cut-outs with joints sealed independently of glazing, louver inserts, or trim.
  7. Hardware Preparations: Factory reinforce, machine, and prepare for door hardware including field installed items; provide solid blocking for each item; field cutting, drilling or tapping is not permitted; obtain manufacturer's hardware templates for preparation as necessary.
- C. All Fiberglass Door and Borrowed Lite Frames: Provide type in compliance with performance requirements specified for doors.
1. Basis of Design- Special-Lite; AF-150
  2. Location: Maintenance Building.
  3. Type: Fiberglass frame.
  4. Non-Fire-Rated:
    - a. Fiberglass pultrusions with factory finish.

#### 2.04 PERFORMANCE REQUIREMENTS

- A. Provide door assemblies that have been designed and fabricated in compliance with specified performance requirements.
- B. Water Leakage: No uncontrolled leakage on interior face when tested in accordance with ASTM E331 at differential pressure of 7.5 psf.
- C. Air Leakage: Maximum of 0.1 cfm per square foot at 6.27 psf differential pressure, when tested in accordance with ASTM E283.
- D. Thermal Transmittance, Exterior Doors: AAMA 1503, U-value of 0.77, maximum, measured on exterior door in size required for this project.

#### 2.05 FINISHES

- A. Gel Coating: Ultraviolet (UV) stabilized polyester finish.
  - 1. Thickness: Minimum 15 mils, 0.015 inch wet thickness, plus/minus 3 mils, 0.003 inch.
  - 2. Color: As selected by Architect from manufacturer's standard line of colors.
- B. Aluminum:
  - 1. Anodizing.
    - a. Class 1 Anodizing, minimum 0.7 mils thick.
    - b. Color: Dark Bronze
- C. FRP Face Sheets:
  - 1. Through color.
  - 2. Color: As selected by Architect from manufacturer's standard line of colors.

#### 2.06 ACCESSORIES

- A. Stops for Glazing: Fiberglass, unless otherwise indicated or required by fire rating; provided by door manufacturer to fit factory made openings, with color and texture to match door; fasteners shall maintain waterproof integrity.
  - 1. Exterior Doors: Provide non-removable stops on exterior side with continuous compression gasket weatherseal.
  - 2. Glazed Openings: Provide removable stops on interior side.
  - 3. Opening Sizes and Shapes: As indicated on drawings.
- B. Glazing: See Section 08 8000.
- C. Door Window Frames: Door window frames with glazing securely fastened within door opening.
  - 1. Frame Material: Anodized Aluminum
  - 2. Color: Dark Bronze.
- D. Door Hardware: See Section 08 7100.
- E. Threshold: Fiberglass threshold
  - 1. Material: Non-Corrosive Solid Pultruded FRP
  - 2. Style: Saddle
  - 3. Finish: Paint to match frame color

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.

#### 3.02 PREPARATION

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Clean and prepare substrate in accordance with manufacturer's directions.

#### 3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions; do not penetrate frames with anchors.
- B. Set units plumb, level, and true-to-line, without warping or racking doors, and with specified clearances; anchor in place.
- C. Separate aluminum and other metal surfaces from sources of corrosion of electrolytic action at points of contact with other materials.

#### 3.04 ADJUSTING

- A. Lubricate, test, and adjust doors to operate easily, free from warp, twist or distortion, and to fit watertight for entire perimeter.
- B. Adjust hardware for smooth and quiet operation.
- C. Adjust doors to fit snugly and close without sticking or binding.

#### 3.05 CLEANING

- A. Clean installed products in accordance with manufacturer's instructions prior to owner's acceptance.

#### 3.06 PROTECTION

- A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION

SECTION 099000  
PAINTING AND COATING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Field application of paints, stains, and varnishes.

1.02 REFERENCE STANDARDS

- A. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications 2016.
- B. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials 2020.
- C. SSPC (PM1) - Good Painting Practice: SSPC Painting Manual, Vol. 1; Society for Protective Coatings; Fourth Edition.

1.03 SUBMITTALS

- A. Product Data: Provide complete list of all products to be used, with the following information for each:
  - 1. Manufacturer's name, product name and/or catalog number, and general product category (i.e. , "alkyd enamel").
  - 2. MPI product number (i.e., MPI #47).
  - 3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
  - 4. Manufacturer's installation instructions.
  - 5. If proposal of substitutions is allowed under submittal procedures, explanation of all substitutions proposed.
- B. Samples: Submit three (3) paper "draw down" samples, 8-1/2 inches x 11 inches in size, illustrating range of colors available for each finishing product specified.
  - 1. Where sheen is specified, submit samples in only that sheen.
- C. Certification: By manufacturer that all paints and coatings comply with VOC limits specified.
- D. Manufacturer's Instructions: Indicate special surface preparation procedures.
- E. Maintenance Data: Submit data on cleaning, touch-up, and repair of painted and coated surfaces.
- F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 6000 - Product Requirements for additional provisions.
  - 2. Extra Paint and Coatings: 1 gallon of each color; store where directed.
  - 3. Label each container with color in addition to the manufacturer's label.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.
- B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum 3 years experience.
- C. Single Source: All work of this Section shall be produced by a single manufacturer unless otherwise approved by the Architect/Engineer. All paint and/or finish shall be of type and quality specified.

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1.05 MOCK-UP

- A. Provide mock-up on existing glulam surface on interior and exterior, 1 feet long by 1 feet wide, illustrating all coating color, texture, and finish.
- B. Locate where directed.
- C. Mock-up may remain as part of the work.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.
- C. Minimum Application Temperatures for Latex Paints: 45 degrees F for interiors; 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.
- D. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Paints:
  - 1. Behr Process Corporation: [www.behr.com/#sle](http://www.behr.com/#sle).
  - 2. Benjamin Moore & Co.
  - 3. Sherwin-Williams Company: [www.sherwin-williams.com/#sle](http://www.sherwin-williams.com/#sle).

- B. Transparent Finishes:
  - 1. Behr Process Corporation: [www.behr.com/#sle](http://www.behr.com/#sle).
  - 2. Sherwin-Williams Company: [www.sherwin-williams.com/#sle](http://www.sherwin-williams.com/#sle).
- C. Stains:
  - 1. Behr Process Corporation: [www.behr.com/#sle](http://www.behr.com/#sle).
  - 2. Sherwin-Williams Company: [www.sherwin-williams.com/#sle](http://www.sherwin-williams.com/#sle).

## 2.02 PAINTS AND COATINGS - GENERAL

- A. Paints and Coatings: Ready mixed, unless intended to be a field-catalyzed coating.
  - 1. Provide paints and coatings of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
  - 2. Supply each coating material in quantity required to complete entire project's Work from a single production run.
  - 3. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
- B. Volatile Organic Compound (VOC) Content:
  - 1. Provide coatings that comply with the most stringent requirements specified in the following:
    - a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
    - b. Architectural coatings VOC limits of State in which the project is located.
  - 2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.

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- C. Colors: Custom color to be selected by Architect
  - 1. Selection and color scheme to be made by Architect after award of contract.
  - 2. Allow for minimum of three (3) colors for each system, unless otherwise indicated, without additional cost to Owner.

## 2.03 PAINT SYSTEMS - EXTERIOR

- A. Paint E-TR-W - Stain on Wood, Unless Otherwise Indicated:
  - 1. 2 coats stain.
  - 2. Stain: Exterior Semi-Transparent Stain and Sealant for Wood, Water Based.
  - 3. Stain Product(s):
    - a. Behr Premium Semi-Transparent Stain and Sealer.
  - 4. Stripper Product(s):
    - a. Behr Premium Wood Stain Finish Stripper.
  - 5. Cleaner Product(s):
    - a. Behr Premium All-In-One Wood Cleaner.
- B. Paint CE-OP-3L - Paint - Masonry/Concrete, Opaque, Latex, 3 Coat:
  - 1. One coat of block filler; S-W Loxon Block Surfacer A24W200.
    - a. mils Dry per coat.
  - 2. Flat: Two coats of latex enamel.
    - a. mils Dry per coat.

- C. Paint ME-OP-3L - Paint - Ferrous Metals, Unprimed, Latex, 3 Coat:
  - 1. One coat of latex primer; S-W DTM Acrylic Primer/Finish, B66W1.
    - a. -5.0 mils dry per coat.
  - 2. Gloss: Two coats of latex enamel.
    - a. -4.0 mils dry per coat.
- D. Paint MgE-OP-3L - Paint - Galvanized Metals, Latex, 3 Coat:
  - 1. One coat galvanize primer; S-W DTM Acrylic Primer/Finish, B66W1.
    - a. -5.0 mils dry per coat.
  - 2. Gloss: Two coats of latex enamel.
    - a. -4.0 mils dry per coat.

#### 2.04 PAINT SYSTEMS - INTERIOR

- A. Paint I-OP-MD-WC - Medium Duty Vertical/Overhead: Including gypsum board and Sheathing.
  - 1. Two top coats and one coat primer.
  - 2. Top Coat(s): Institutional Low Odor/VOC Interior Latex; MPI #143-148.
  - 3. Primer(s): As recommended by manufacturer of top coats.

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- B. Paint WI-TR-VS - Wood, Transparent, Varnish, Stain:
  - 1. One coat of stain; Behr Fast-Drying Water-Based Wood Stain.
    - a. -3.5 mils Wet per coat, no surface film Dry.
  - 2. Satin: Two coats of varnish; Behr Fast-Drying Water-Based Polyurethane.
    - a. -1.0 mils Dry per coat.
  - 3. Stripper Product(s):
    - a. Behr Premium Wood Stain Finish Stripper.
  - 4. Cleaner Product(s):
    - a. Behr Premium All-In-One Wood Cleaner.

#### 2.05 ACCESSORY MATERIALS

- A. Accessory Materials: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required to achieve the finishes specified whether specifically indicated or not; commercial quality.
- B. Patching Material: Latex filler.
- C. Fastener Head Cover Material: Latex filler.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- B. Examine surfaces scheduled to be finished prior to commencement of Work. Report any condition that may potentially affect proper application.
- C. Test shop-applied primer for compatibility with subsequent cover materials.

### 3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to coating application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Remove or repair existing coatings that exhibit surface defects.
- D. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.
- E. Seal surfaces that might cause bleed through or staining of topcoat.
- F. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- G. Uncorroded Uncoated Steel and Iron Surfaces to be Painted: Remove grease, mill scale, weld splatter, dirt, and rust. Where heavy coatings of scale are evident, remove by hand wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring weld joints, bolts, and nuts are similarly cleaned. Prime paint entire surface; spot prime after repairs.
- H. Shop-Primed Steel Surfaces to be Finish Painted: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.

2

- I. Interior and exterior Wood Surfaces to Receive Transparent Finish: Apply wood stain finish stripper. After stripping the wood, sand surface using a fine-grid sandpaper. To ensure uniform acceptance of stain color, pretreat the wood with water-based wood conditioner.

### 3.03 APPLICATION

- A. Apply products in accordance with manufacturer's written application rates and instructions.
- B. Where adjacent sealant is to be painted, do not apply finish coats until sealant is applied.
- C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- D. Apply each coat to uniform appearance.
- E. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide.
- F. Sand wood and metal surfaces lightly between coats to achieve required finish.
- G. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- H. Wood to Receive Transparent Finishes: Tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.



3.04 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 SCHEDULE - SURFACES TO BE FINISHED

- A. Do Not Paint or Finish the Following Items:
  - 1. Items fully factory-finished unless specifically noted.
  - 2. Aluminum and Stainless steel items.

END OF SECTION

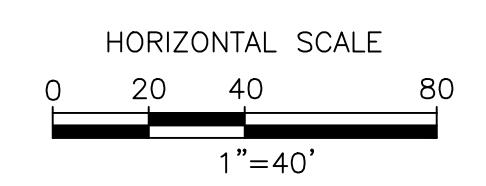
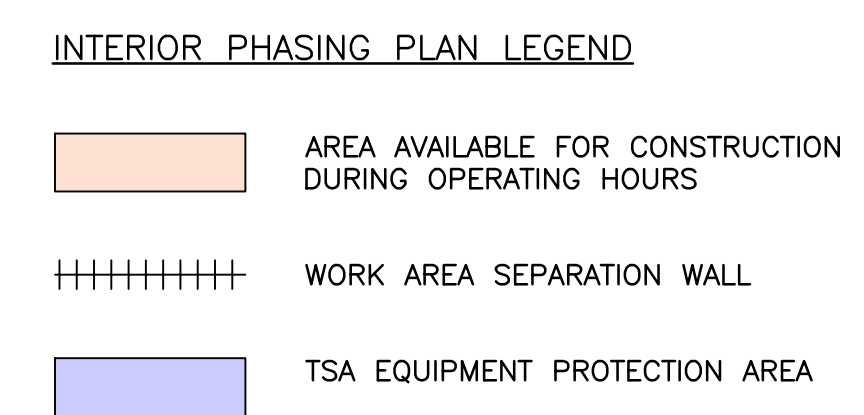
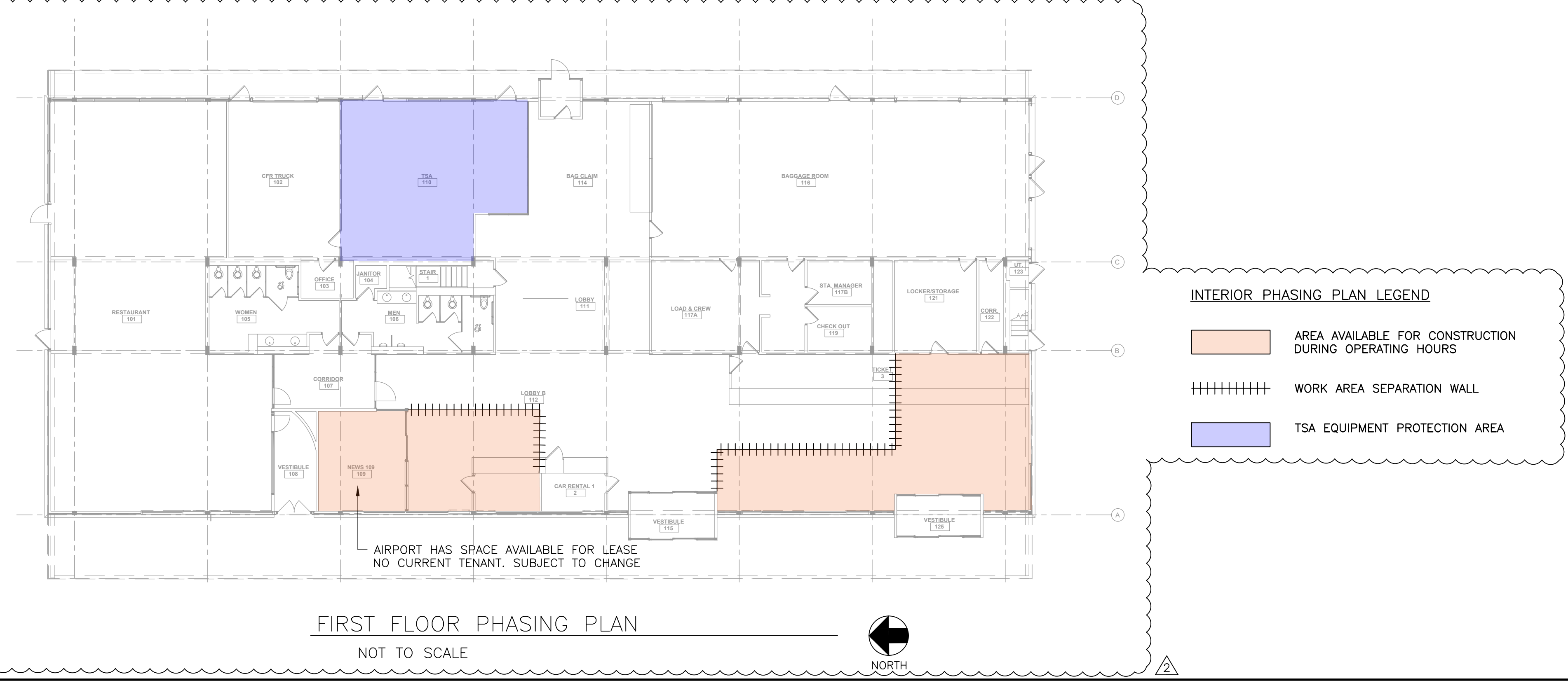
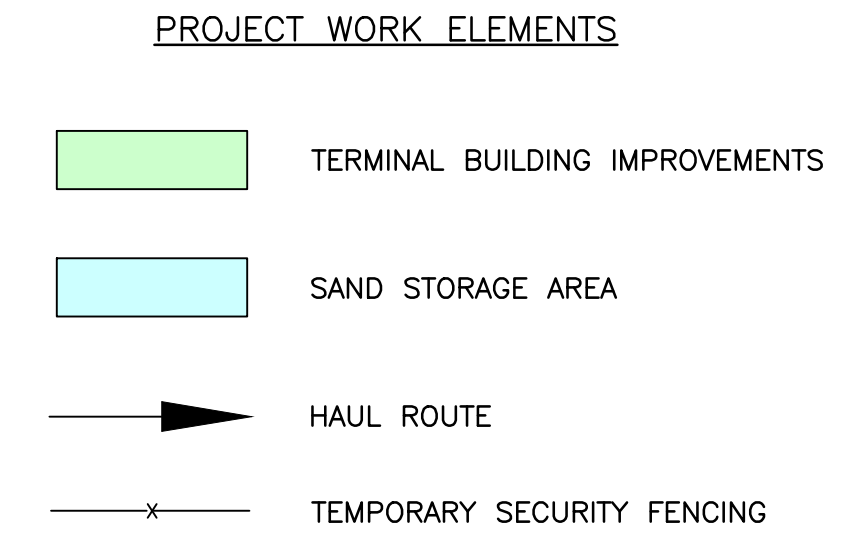
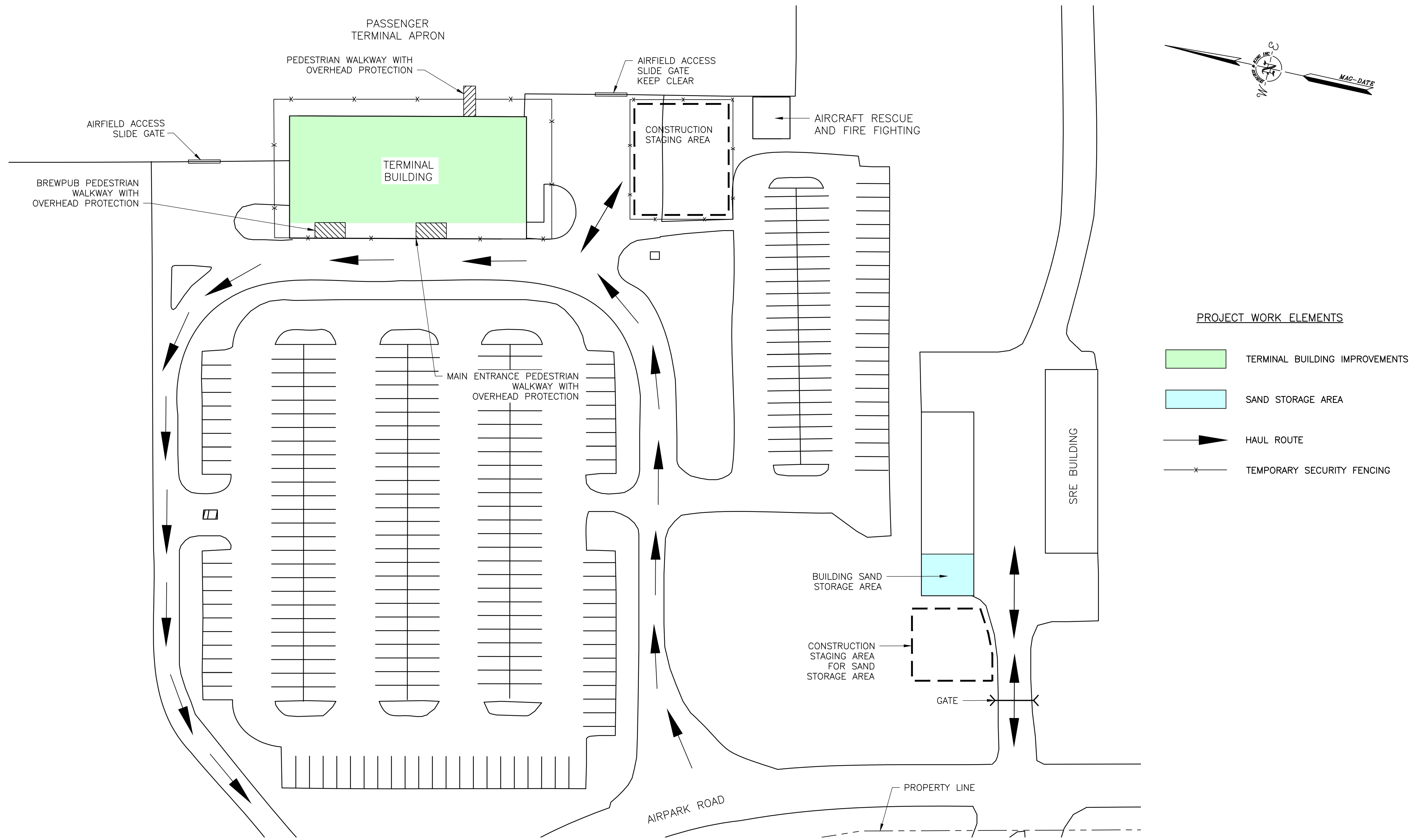
- PHASE 1: PERFORM TERMINAL BUILDING UPGRADES
- INSTALL TEMPORARY CONSTRUCTION FENCING
  - INSTALL TEMPORARY PEDESTRIAN WALKWAYS WITH OVERHEAD PROTECTION
  - PERFORM DEMOLITION AND INSTALLATION WORK AS DETAILED ON PLANS
  - REMOVE TEMPORARY FENCING AND PEDESTRIAN WALKWAYS

- PHASE 2: SAND STORAGE AREA IMPROVEMENT
- COORDINATE TEMPORARY RELOCATION AND STOCKPILING OF SAND MATERIAL WITH AIRPORT
  - PERFORM DEMOLITION WORK
  - PERFORM CONSTRUCTION WORK OF NEW CONCRETE SAND STORAGE BAY AND ASSOCIATED DIVIDER WALL

NOTES:

1. ALL WORK MUST COMPLY WITH THE REQUIREMENTS OF FAA AC 150/5370-2G, OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION. SEE GENERAL CONSTRUCTION PHASING AND SAFETY NOTES.
2. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AND HEALTH & SAFETY PLAN TO THE ENGINEER PRIOR TO COMMENCING WORK ON THE AIRPORT. THIS SCHEDULE SHALL BE REVISED WEEKLY. NO WORK WILL BE ALLOWED OUTSIDE THE AREAS INCLUDED IN THE APPROVED SCHEDULE.
3. PRIOR TO REOPENING ANY PORTION OF THE APRON TO AIR TRAFFIC, THE APRON WILL BE INSPECTED BY THE CONTRACTOR AND THE ENGINEER. INSPECTIONS WILL BE SCHEDULED IMMEDIATELY FOLLOWING THE COMPLETION OF THE CONSTRUCTION ACTIVITIES WHICH CAUSED THE AREA TO BE CLOSED.
4. ALL CONTRACTOR'S EMPLOYEE'S VEHICLES MUST REMAIN IN PARKING AREA.
5. CONTRACTOR SHALL PROVIDE ESCORT TO AND FROM THE CONTRACTORS STAGING AREA AND FOR WORK PERFORMED INSIDE AIRPORT OPERATING AREA. DRIVER ESCORT MUST BE EQUIPPED WITH RADIO AND OPERATIONAL AMBER BEACON (LIGHT) FOR AIRCRAFT COMMUNICATIONS.
6. CONSTRUCTION EQUIPMENT IS NOT PERMITTED IN RUNWAY SAFETY AREA (RSA), TAXIWAY SAFETY AREA (TSA) AND TAXIWAY OBJECT FREE AREA (TOFA) DURING CONSTRUCTION.
7. CONTRACTOR SHALL PLACE SECURITY FENCING MEASURES PRIOR TO THE START OF CONSTRUCTION. ALL MEASURES SHALL BE INSPECTED BY THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
8. CONTRACTOR SHALL STAGE EQUIPMENT AT THE LOCATION SHOWN ON THE PLANS.
9. A PATH MUST BE KEPT FREE FOR FUEL TRUCK DELIVERIES AND MOBILE REFUELING TO THE EXISTING FUEL FARM, AND AIRFIELD ACCESS FOR EMERGENCY RESPONSE. THE AIRFIELD ACCESS GATES ARE INDICATED ON THE PLANS.
10. SECURITY FENCING CANNOT BE REMOVED WITHOUT THE PERMISSION OF THE AIRPORT MANAGER.
11. THE CONTRACTOR MUST PROVIDE USER INGRESS AND EGRESS TO THE BUILDING AT ALL TIMES, WITH PHYSICAL BARRIER SEPARATION BETWEEN ACTIVE WORK AREAS AND THE GENERAL PUBLIC, INCLUDING OVERHEAD PROTECTION WHEN NEEDED.
12. WORK REQUIRING DISCONNECTION OF POWER MUST BE COORDINATED WITH AIRPORT MANAGER AT LEAST 48 HOURS IN ADVANCE. NO INTERRUPTION TO DAILY FLIGHT OPERATIONS MAY OCCUR. ANY PLANNED ELECTRICAL SHUTDOWN WORK MUST OCCUR OUTSIDE THE HOURS OF OPERATION LISTED BELOW, WITH THE ELECTRICAL SYSTEM RE-ACTIVATED BY 4:00 AM FOR TESTING PRIOR TO THE START OF DAILY OPERATIONS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AN INTERIOR CONSTRUCTION PHASING PLAN, TO BE SUBMITTED PRIOR TO THE START OF CONSTRUCTION, THAT SPECIFIES HOW THEY INTEND TO PERFORM THE NECESSARY INTERIOR WORK WHILE NOT INTERFERING WITH DAILY FLIGHT OPERATIONS. THIS PLAN SHALL BE REVIEWED BY THE AIRPORT MANAGER AND THE ENGINEER PRIOR TO START OF WORK. PROPOSED WORK IN NON-PUBLIC LOCATIONS CAN BE PERFORMED DURING AIRPORT OPERATION HOURS WITH 48 HOUR ADVANCED NOTICE AND COORDINATION WITH AIRPORT STAFF, AND SHALL BE DETAILED IN THE INTERIOR CONSTRUCTION PHASING PLAN.
14. THE BATHROOMS AND BUILDING ENTRANCES MUST REMAIN ACCESSIBLE DURING ALL PUBLIC OPERATION HOURS (6:00 AM - 7:00 PM).
15. THE ELECTRICAL CONTRACTOR MUST PROVIDE A PORTABLE GENERATOR DURING SERVICE OUTAGES FOR CONTRACTOR TEMPORARY POWER, (3) 120V 20A CIRCUITS FOR AIRPORT DOOR LOCK SYSTEM AND VIDEO SURVEILLANCE, AND (2) 120V 20A, (1) 208V 1-PHASE 60A, (1) 208V 3-PHASE 30A, AND (1) 208V 3-PHASE 50A CIRCUITS FOR RESTAURANT COOLERS AND FREEZERS. CONTRACTOR TO VERIFY EXACT CIRCUITS AND REQUIREMENTS WITH OWNER PRIOR TO ANY SHUTDOWNS.
16. THE FOLLOWING PUBLIC AREAS MUST REMAIN OPERATIONAL AND NOT DISTURBED BY CONSTRUCTION ACTIVITIES DURING THEIR HOURS OF OPERATION ARE AS FOLLOWS:

LOCATION	HOURS OF OPERATION
CAPE AIR TICKET COUNTER	6:00 AM - 6:00 PM, DAILY
AVIS CAR RENTAL COUNTER	8:00 AM - 6:00 PM, DAILY
RESTAURANT	8:00 AM - 10:00 PM, TUESDAY - SUNDAY
TSA AREA	6:00 AM - 5:00 PM, DAILY
PASSENGER WAITING AND BAGGAGE CLAIM	6:00 AM - 7:00 PM, DAILY



**DuBois & King Inc.**  
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 FAX: (866) 783-7101  
 www.dubois-king.com  
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PROFESSIONAL SEAL

BID ADDENDUM NO. 2	NO.	DATE	DESCRIPTION	BY	CRD
2	4/14/2021				

LEBANON MUNICIPAL AIRPORT  
 WEST LEBANON NEW HAMPSHIRE

TERMINAL BUILDING AND MAINTENANCE BUILDING IMPROVEMENTS

AIP NO. 3-33-0010-###-2021

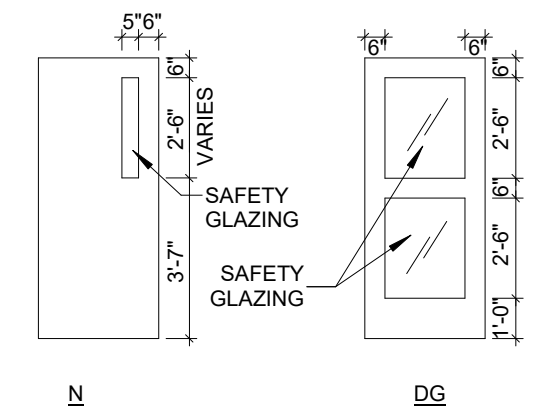
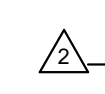
DRAWING DESCRIPTION  
 CONSTRUCTION SAFETY AND PHASING PLAN

DRAWN BY EFM	DATE MAR. 2021
CHECKED BY RLT	D&K PROJECT # 327021
PROJ. ENG. RLT	D&K ARCHIVE #

DRAWING NO.  
**G1.3**  
 SHEET 03 OF 32

I:\A\2021\KLEB Facilities Improvements\Drawings\Civil\03-Construction Safety and Phasing Plan-Rev2.dwg 4/14/2021 9:58 AM

DOOR SCHEDULE																		
WT		LOCATION		DOOR SIZE			ELEV.	DOOR TYPE		ELEV.	FRAME TYPE		DETAILS		HARDWARE	FIRE RATING	GLAZING	REMARKS
DOOR No.	LETTER	ROOM NAME	LEVEL	WIDTH	HEIGHT	THICKNESS		MATERIAL	FINISH		MATERIAL	FINISH	HEAD	JAMB				
101	A	FUTURE RESTAURANT	FIRST FLOOR	3' - 0"	7' - 0"	1 3/4"	S16	ALUM	FF	DG	ALUM	FF	2/A1.70	15/A1.70	02	-	G-1	REINSTALL DOOR SIGNAGE
101	B	FUTURE RESTAURANT	FIRST FLOOR	3' - 0"	7' - 0"	1 3/4"	S16	ALUM	FF	DG	ALUM	FF	2/A1.70	15/A1.70	02	-	G-1	REINSTALL DOOR SIGNAGE
102	A	CFR TRUCK	FIRST FLOOR	3' - 0"	7' - 0"	1 3/4"	S16	FRP	FF	N	ALUM	FF	10/A1.70	15/A1.70	02	-	G-1	REINSTALL DOOR SIGNAGE
108	A	VESTIBULE	FIRST FLOOR	5' - 3 1/2"	7' - 0"	1 3/4"	S17	ALUM	FF	DG	ALUM	FF	10/A1.70	15/A1.70	05	-	G-1	REINSTALL DOOR SIGNAGE
110	A	TSA	FIRST FLOOR	3' - 0"	6' - 11"	1 3/4"	S16	FRP	FF	N	ALUM	FF	10/A1.70	15/A1.70	04	-	G-1	REINSTALL DOOR SIGNAGE
116	A	BAGGAGE ROOM	FIRST FLOOR	3' - 0"	7' - 0"	1 3/4"	S16	FRP	FF	N	ALUM	FF	2/A1.70	15/A1.70	02	-	G-1	REINSTALL DOOR SIGNAGE
116	B	BAGGAGE ROOM	FIRST FLOOR	3' - 0"	7' - 0"	1 3/4"	S16	FRP	FF	N	ALUM	FF	2/A1.70	15/A1.70	02	-	G-1	REINSTALL DOOR SIGNAGE
116	C	BAGGAGE ROOM	FIRST FLOOR	3' - 0"	7' - 0"	1 3/4"	S16	FRP	FF	N	ALUM	FF	10/A1.70	15/A1.70	02	-	G-1	REINSTALL DOOR SIGNAGE
123	A	UT.	FIRST FLOOR	3' - 0"	7' - 0"	1 3/4"	S16	FRP	FF	N	ALUM	FF	2/A1.70	15/A1.70	03	-	G-1	REINSTALL DOOR SIGNAGE
124	A	ST.	FIRST FLOOR	3' - 0"	7' - 0"	1 3/4"	S16	FRP	FF	N	ALUM	FF	2/A1.70	15/A1.70	02	-	G-1	REINSTALL DOOR SIGNAGE



**1 DOOR ELEVATIONS**  
SCALE: 1 1/2" = 1'-0"

PROFESSIONAL SEAL

REVISIONS	NUMBER	DATE	REVISION DESCRIPTION	BY
	2	4/09/21	Addedendum No.2	CMW

LEBANON MUNICIPAL AIRPORT  
LEBANON NEW HAMPSHIRE

TERMINAL BUILDING AND SAND STORAGE AREA IMPROVEMENTS

AIP NO. 3-33-0010-###-2021

DRAWING DESCRIPTION  
**DOOR SCHEDULE AND DETAILS**

DRAWN BY	DATE
CMW	3/23/2021
CHECKED BY	D&K PROJECT #
KSS	327021
PROJ. ENG.	BCA PROJECT #
Designer	2020-105

DRAWING NO.

**A1.10**