

ADDENDUM NO. 3

**NORTH TERMINAL RENOVATION**

at the

Northwest Florida Beaches International Airport  
6300 West Bay Parkway  
Panama City, Florida 32409  
Phone: 850-763-6751

**ZHA – Owner’s Representative**

David Scruggs  
5206 Johnny Reaver Road  
Panama City, Florida 32409  
850-541-6188

**Date of Issue: May 19, 2022**

**The changes herewith form part of the Bid Documents and modify the original “Bid Documents” dated April 15, 2022.**

The changes and/or additions to the front end documents, plans and specifications described in this addendum are hereby made part of same and are incorporated in full as part of the Contract Documents. The Bidder shall acknowledge receipt of this addendum on the bid form submitted with their bid. Failure of the Bidder to acknowledge this addendum may disqualify their bid. This addendum provides a brief description of items that have been added, deleted, or otherwise revised. The description is not all inclusive. It shall be the contractor’s responsibility to identify all items included in the addendum.

**Clarifications**

1. Davis-Bacon Certification is required for this project as the Airport is seeking Federal funding. The form is included with this addendum and must be provided with bidders’ submittals.
2. Reference to form for Trench Safety Act is stricken from the Table of Contents as it does not apply to this project.

**Revised Specifications and Drawings**

**Item No. 1: TECHNICAL SPECIFICATIONS**

A. SPECIFICATIONS TABLE OF CONTENTS

- a. **REVISED:** TABLE OF CONTENTS, added 064023 INTERIOR ARCHITECTURAL WOODWORK

B. SPECIFICATION SECTION 087100

- a. **DELETE:** Specification section 087100 DOOR HARDWARE, bound in the Project Manual.
- b. **INSERT:** Specification section 087100 DOOR HARDWARE, Addendum 03, in the Project Manual.  
Added door 202 as a single door and removed it from hardware set #2, provided new hardware set to door 202. Add door 210 to hardware schedule.

C. SPECIFICATION SECTION 064023

- a. **ADDED:** Specification section 064023 INTERIOR ARCHITECTURAL WOODWORK to the Project Manual.

**Item No. 2: DRAWINGS**

A. ARCHITECTURE

- a. **REVISED:** A-1.0.1 DEMOLITION FLOOR PLAN – LEVEL 01, revised size of concrete slab removal, added additional walls to be demolished and revised demolition scope limits on demo photo 2.
- b. **REVISED:** A-1.0.2 DEMOLITION FLOOR PLAN – LEVEL 02, demolish existing doors 2111 and 2102.
- c. **REVISED:** A-2.1.0 ENLARGED FLOOR PLAN – LEVEL 01, add new partitions and wall tags at exit lane, revised Plan Notes 15 and added flooring note.
- d. **REVISED:** A-2.1.1 ENLARGED FLOOR PLAN – LEVEL 02, added new door, revised Plan Notes #15, added additional Power & Go Seat Charging information and Charging Station model # information.
- e. **REVISED:** A-4.0.1 BUILDING SECTIONS, added structural beam and lowered ceiling,
- f. **REVISED:** A-6.0.1 REFLECTED CEILING PLAN – LEVEL 01, changed the ceiling height in the exit lane.
- g. **REVISED:** A-7.0.1 DETAILS & SCHEDULES, revised door schedule to reflect existing door 2111 and 2102 to be demolished, new doors added, added ceiling height, and revised door material to wood.
- h. **REVISED:** A7.0.2 STOREFRONT ELEVATIONS AND DETAILS, revised storefront height.

B. ELECTRICAL

- a. **REVISED:** E-001 LEGEND AND NOTES, add USB Receptacle to Legend.
- b. **REVISED:** E-101 DEMOLITION ELECTRICAL PLAN – FIRST FLOOR, add keynote 1 to keynote table, add secured door power and keynote for Exit Lane entrance door and exit door and remove secured door power for Exit Lane middle door.
- c. **REVISED:** E-202 NEW POWER PLAN – SECOND FLOOR, remove power for door that do not require secured access and add power and keynote for secured access doors: 200, 202, 204 and 210.
- d. **REVISED:** E-501 PANEL SCHEDULES, update panel schedule with new power for secured access doors and remove unused circuits and replace with spare's.

C. TELECOM

- a. **REVISED:** T-2.0.3 AUDIO / VISUAL DETAILS, replace original text "BY ELECTRICAL: PROVIDE RECESSED DATA / A/V DOUBLE GANG BACKBOX, W/EXTENSION RING BEHIND DISPLAY MOUNT." with "BY TELECOM: PROVIDE 2-PORT DATA OUTLET IN RECESSED DOUBLE GANG BACKBOX, W/SINGLE GANG EXTENSION RING BEHIND DISPLAY MOUNT.

**Item No. 3: CUT SHEETS**

A. SEATING

- a. **ADDED CUT SHEET:** Airport Seating Alliance (ASA) Flex Seating Specifications Brochure and Power and Go Charging Solutions specifications brochure.

B. CHARGING STATIONS

- a. **ADDED CUT SHEET:** Airport Seating Alliance (ASA) Power Station Power and Go Specifications Brochure.

**Questions and Responses**

ITEM #	QUESTION	RESPONSE		
1	Will the baggage expansion project have the same laydown area location as the renovation?	The laydown area is in front of the T-Hangers on Johnny Reaver Road, South of the Terminal in the in-field parallel to the airport entry road. See attached aerial sketch of the location.		
2	T3.0.1 Riser diagram shows 24 strand fiber between the existing Main Telecom Room 1309 and the new TR1201. Can an estimated distance be provided or drawings showing where 1309 is in relation to the new TR1201?	Estimated distance of 24 strand 50u OM4 fiber between the existing Main Telecom Room 1309 and the new TR1201 is approximately 650LF (linear feet)		
3	Door numbers 101 and 201 do not have a hardware set specified on the schedule. Which hardware set will be used for these doors?	See revised door hardware schedule issued with this addendum.		
4	On the door schedule Doors 200, 202, and 204 comments state “security door, access control”. Access control is being completed by the security company correct?	See revised door hardware schedule issued with this addendum.		
5	I spoke with Sargent regarding the Sargent lock part number and they said the part numbers were invalid. Could I get the correct part numbers for the following:	Correct Lockset models have been provided in hardware schedule issued with this addendum.		
	Storage Lock	F2 x ME x LN	626	Sargent
	Storeroom Lock	F21 x Mex Ln	626	Sargent
	Privacy Lockset	F19 x MEX LN x TI	626	Sargent
6	Will the security contractor be providing the keypads, power supplies, and alarm kits? If not please specify which models are needed.	The security contractor be providing/installing the keypads, card readers, power supplies for security devices only (excludes door hardware power supplies), and alarm kits.		
7	Do interior doors and frames need to be galvanized as it seems in the spec or can they be cold rolled steel? Will 18ga doors and 16ga frames be sufficient?	FCG/DAG - Cold rolled steel 16ga for frames, G90 will be acceptable. 18ga G90 for HM Doors		

ITEM #	QUESTION	RESPONSE
8	If there is an existing paging system, what make / model is it?	Paging system: Innovative Electronic Designs (IED) / Globalcom
9	Where is the paging system head end located?	The paging system head end is located in the Airport Communications Room.
10	What paging system manufacturer is specified?	Paging system: Innovative Electronic Designs (IED) / Globalcom
11	Will the paging system head end share an equipment rack with other vendors?	Yes
12	Will power for the paging system head end be shared with other vendors? (Concerned about if power conditioning/protection is provided)	Yes
13	Are speaker connections to be direct connected to amplifier outputs or connected via a termination cabinet at the head end location?	The speaker connections will need to be directly connected to amplifier outputs.
14	Are speaker conduits provided by the E.C.?	Yes, speaker conduits provided by the E.C.
15	Please confirm that all displays are Owner Furnished Owner Installed including FIDs, GIDs, FPs, DSs.	<b>Owner will provide electronic displays. Contractor will provide cabling to display locations.</b>
16	I believe we have provided pathways for the PA, FIDS, Access Control System and WiFi.	Yes.
17	I assume the BGM will be played through the PA system/speakers, is that correct?	Yes.
18	I assume we are providing data cable from the FIDS displays back to the comm closet to be connected to "the system".	Yes.
19	I believe access control will also be tied into the existing system with cabling provided in this contract.	Yes.
20	I am not certain what the Video Management System (VMS) is.	VMS is the same vendor as the ACS (AMAG) and everything pertaining to it should be part of the contract.
21	I am not certain what the Distributed Antenna System is or the Terminal cellular DAS.	The DAS (Distributed Antenna System) is done by a local vendor (Mobile Communications). The cellular systems provider going in is by Verizon.
22	Drawing E 201 in the lounge area are outlets with a "U" beside them that are	See ABBREVIATIONS on sheet E-001 – U=USB Receptacle. Requirement is to provide duplex



ITEM #	QUESTION	RESPONSE
	not on the device schedule. Please clarify.	receptacles with 2 USB outlets. This is an industry standard device.”
23	Drawing E 201 in the concourse area shows floor boxes. There are no Types/part numbers in the device schedule. There are 2 floor boxes in the ticketing area that are addressed on the Tele/comm drawings T 2.0.1 as “poke thru” floor boxes. Do the concourse boxes match the other floor boxes in the ticket area? Should they have USB outlets?	They are poke-through devices. Refer to permit drawings for full part numbers. No USB at floor boxes unless telecom specifically calls for it.
24	Light fixture schedules E 301: The following fixtures have no part numbers / description or both: LF, LFE, L22, L22E, SF, SFE, XC	Refer to permit drawings for part numbers.
25	Request permission to use steel fabricators that follow AISC standards but may not presently be AISC certified. Currently, AISC certified plants have enormous backlog and are not pricing many projects at the moment across the South East.	Yes, non-certified plants are acceptable. While they do not have to be certified, they do need to follow the provisions, and shall submit their QC Plan for review.
26	What Part of the cable tray is being demolished?	Not aware of any requirements for cable tray demo.
27	Drawing T-1.0.1 Sheet Note: PROVIDE ROUGH-IN FOR ELEVATOR ACCESS CONTROL ON BOTH 1ST AND 2ND FLOORS. a. Will the card reader be located inside the car allowing access to certain floors? b. Or will each floor have the reader outside in the lobby allowing access to enter the car?	Drawing require each floor to have reader outside elevator cab near call station or to act as call station to allow access to enter the car.
28	Paging / CATV – I don’t see any specs on the equipment for either. Does this scope include equipment? If so, what make and model of equipment are existing?	Equipment is existing. Project requirements are only to tie into existing.

ITEM #	QUESTION	RESPONSE
29	For the Audio Video Displays what is required at each? FID- FLIGHT INFORMATION DISPLAY GID - GATE INFORMATION DISPLAY FP- LIVE STREAMING CONTENT DISPLAY DS- DIGITAL SIGNAGE Display	Project requirements are to provide boxes and conduit with pull string at each location.
30	What is required for the future Telecom Cabinet?	Requirement is to provide two – 1-1/2” conduit to connect the future cabinet by vendor to the serving equipment room. This would be new comm room 2101?
31	Please consider the attached substitute light fixture package for the baggage project.	AMA light fixtures are an approved substitute.

**Q&R Item #1: Laydown Area Aerial Sketch**



***This addendum supersedes any verbal or other instructions given to any proposer. All other parts of the Bid Documents have been maintained as originally distributed or previously amended.***

**END OF ADDENDUM NO. 3**

**DAVIS-BACON CERTIFICATION**

This is to certify that I have reviewed the minimum rate wages contained in Special Provision No. 9, which were predetermined for this project by the Secretary of Labor, and I have used these rates in the preparation of this proposal. Furthermore, I agree to abide by these wages and all other provisions of the Davis-Bacon Act as it associates to this project.

\_\_\_\_\_  
Bidder's Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Notary Public

# TECHNICAL SPECIFICATIONS

## TABLE OF CONTENTS

### **Panama City Airport - NWFBI North Terminal Renovation Project No: 2102110**

6300 West Bay Parkway  
Panama City, Florida 32409

*Specification sections are identified by the individual disciplines in accordance with the following list.  
Signatures and seals indicate professional responsibility for those sections.*

NT - ZHA Incorporated -	(Non-Technical Specifications) -	ZHA Incorporated
AR - Donald Gray, AIA -	(Architecture)	
STR Justin Duncan, PE -	(Structural Engineering)	
ME - David Watford, PE -	(Mechanical/ Plumbing/ Fire Protection Engineering)	
EL - Dan White, PE -	(Electrical Engineering)	
TC - Josh Logan, RCDD, CTS-	(Communications)	

## **DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS**

### ZHA Non-Technical Specification

SECTION 000000 - INSTRUCTIONS TO BIDDERS (NT)  
SECTION 000001 - BID PROPOSAL (NT)  
SECTION 000002 - BID BOND FORM  
SECTION 000003 - PUBLIC ENTITY CRIME STATEMENT (NT)  
SECTION 000004 - DBE PROGRAM (NT)  
SECTION 000005 - DAVIS-BACON CERTIFICATION (NT)  
SECTION 000006 - DRUG FREE WORKPLACE CERTIFICATION (NT)  
SECTION 000001 - INVITATION TO BID (NT)  
SECTION 000000 - INVITATION TO BID (NT)  
SECTION 000007 - NON-SEGREGATED FACILITIES CERTIFICATION (NT)  
SECTION 000008 - BUY AMERICAN CLAUSE (NT)  
~~SECTION 000009 - TRENCH SAFETY ACT (NT)~~  
SECTION 000010 - NON-COLLUSION AFFIDAVIT (NT)  
SECTION 000011 - E-VERIFY COMPLIANCE CERTIFICATION (NT)  
SECTION 000012- PROJECT CONSTRUCTION CONTRACT (NT)  
SECTION 000013 - PAYMENT & PERFORMANCE BOND FORMS (NT)  
SECTION 000014 - CERTIFICATION OF ATTORNEY (NT)  
SECTION 000015 - RELEASE OF LIENS (NT)  
SECTION 000016 - ADVERTISEMENT OF COMPLETION (NT)

## **GENERAL PROVISIONS**

SECTION 10 - GENERAL PROVISIONS (NT)  
SECTION 20 - PROPOSAL REQUIREMENTS AND CONDITIONS (NT)  
SECTION 30 - AWARD AND EXECUTION OF CONTRACT (NT)  
SECTION 40 - SCOPE OF WORK (NT)  
SECTION 50 - CONTROL OF WORK (NT)  
SECTION 60 - CONTROL OF MATERIALS (NT)  
SECTION 70 - LEGAL REGULATIONS AND RESPONSIBILITY TO PUBLIC (NT)  
SECTION 80 - EXECUTION AND PROGRESS (NT)  
SECTION 90 - MEASUREMENT AND PAYMENT (NT)  
SECTION 100 - CONTRACTOR QUALITY CONTROL PROGRAM (NT)  
SECTION 105 - MOBILIZATION (NT)  
SECTION 110 - METHOD OF ESTIMATING PERCENTAGE OF MATERIAL  
..... .WITHIN SPECIFICATION (NT)

## SPECIAL PROVISIONS

- SECTION SP-1 - UTILITIES *(NT)*
- SECTION SP-2 - AIRPORT SAFETY AND SECURITY *(NT)*
- SECTION SP-3 - AIRPORT CABLES *(NT)*
- SECTION SP-4 - STAGING *(NT)*
- SECTION SP-5 - MARKERS *(NT)*
- SECTION SP-6 - TIME OF COMPLETION *(NT)*
- SECTION SP-7 - PROJECT PROCEDURES *(NT)*
- SECTION SP-8 - VEHICLE OPERATION *(NT)*
- SECTION SP-9 - FEDERAL LABOR & EEO *(NT)*

## DIVISION 01 - GENERAL REQUIREMENTS

- SECTION 011000 - SUMMARY *(AR)*
- SECTION 011100 - PRODUCT APPROVAL *(AR)*
- SECTION 012500 - SUBSTITUTION PROCEDURES *(AR)*
- SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION *(AR)*
- SECTION 013200 - CONSTRUCTION PROGRESS DOCUMENTATION *(AR)*
- SECTION 013200 - APPENDIX 'A' WEBBASED PROJECT INFORMATION SYSTEM
- SECTION 013233 - PHOTOGRAPHIC DOCUMENTATION *(AR)*
- SECTION 013300 - SUBMITTAL PROCEDURES *(AR)*
- SECTION 013516 - ALTERATION PROJECT PROCEDURES *(AR)*
- SECTION 014000 - QUALITY REQUIREMENTS *(AR)*
- SECTION 014200 - REFERENCES *(AR)*
- SECTION 014339 - MOCKUPS *(AR)*
- SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS *(AR)*
- SECTION 016000 - PRODUCT REQUIREMENTS *(AR)*
- SECTION 017300 - EXECUTION *(AR)*
- SECTION 017419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL *(AR)*
- SECTION 017700 - CLOSEOUT PROCEDURES *(AR)*
- SECTION 017823 - OPERATION AND MAINTENANCE DATA *(AR)*
- SECTION 017839 - PROJECT RECORD DOCUMENTS *(AR)*
- SECTION 017900 - DEMONSTRATION AND TRAINING *(AR)*

## DIVISION 02 - EXISTING CONDITIONS

- SECTION 024119 - SELECTIVE DEMOLITION *(AR)*

## DIVISION 03 - CONCRETE

- SECTION 033000 - CAST-IN-PLACE CONCRETE *(STR)*

## DIVISION 04 - MASONRY

## DIVISION 05 - METALS

- SECTION 050513 - HOT DIP GALVANIZING *(STR)*
- SECTION 051223 - STRUCTURAL STEEL *(STR)*
- SECTION 052100 - STEEL JOIST FRAMING *(STR)*
- SECTION 053100 - STEEL DECK *(STR)*
- SECTION 054000 - COLD FORMED METAL FRAMING *(STR)*
- SECTION 055000 - METAL FABRICATIONS *(AR)*

SECTION 055813 - COLUMN COVERS (AR)

## DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

SECTION 061000 - ROUGH CARPENTRY (AR)

SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK (AR)

## DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION 078100 - APPLIED FIREPROOFING (AR)

SECTION 078413 - PENETRATION FIRESTOPPING (AR)

SECTION 078443 - JOINT FIRESTOPPING (AR)

SECTION 079200 - JOINT SEALANTS (AR)

SECTION 079219 - ACOUSTICAL JOINT SEALANT (AR)

SECTION 079513.13 - INTERIOR EXPANSION JOINT COVER ASSEMBLIES (AR)

## DIVISION 08 - OPENINGS

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES (AR)

SECTION 083113 - ACCESS DOORS AND FRAMES (AR)

SECTION 087100 - DOOR HARDWARE (AR)

## DIVISION 09 - FINISHES

SECTION 092116.23 - GYPSUM BOARD SHAFT WALL ASSEMBLIES

SECTION 092216 - NON-STRUCTURAL METAL FRAMING (AR)

SECTION 092900 - GYPSUM BOARD (AR)

SECTION 093013 - CERAMIC TILING (AR)

SECTION 095423 - LINEAR METAL CEILINGS (AR)

SECTION 096623 - RESINOUS MATRIX TERRAZZO FLOORING (AR)

SECTION 099123 - INTERIOR PAINTING (AR)

SECTION 099300 - STAINING AND TRANSPARENT FINISH (AR)

SECTION 099611 - HIGH-PERFORMANCE COATINGS (AR)

## DIVISION 10 - SPECIALTIES

SECTION 101400 - SIGNAGE (AR)

SECTION 102113.14 - STAINLESS STEEL TOILET COMPARTMENTS (AR)

SECTION 102800 - TOILET BATH AND LAUNDRY ACCESSORIES (AR)

SECTION 104413 - FIRE PROTECTION CABINETS (AR)

SECTION 104416 - FIRE EXTINGUISHERS (AR)

## DIVISION 11 - 20 - NOT USED

## DIVISION 21 - FIRE SUPPRESSION

SECTION 211313 - BUILDING SPRINKLER SYSTEM *(ME)*

## DIVISION 22 - PLUMBING

SECTION 220100 - PLUMBING GENERAL *(ME)*  
SECTION 220700 - INSULATION FOR PLUMBING PIPE AND EQUIPMENT *(ME)*  
SECTION 221113 - POTABLE WATER SYSTEM *(ME)*  
SECTION 221316 - SOIL, WASTE, AND VENT SYSTEM *(ME)*  
SECTION 223000 - PLUMBING FIXTURES, EQUIPMENT, TRIM & SCHEDULE

## DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

SECTION 230100 - MECHANICAL GENERAL *(ME)*  
SECTION 230513 - ELECTRIC MOTORS *(ME)*  
SECTION 230519 - METERS AND GUAGES *(ME)*  
SECTION 230520 - PIPES AND PIPE FITTINGS *(ME)*  
SECTION 230523 - VALVES *(ME)*  
SECTION 230529 - SUPPORTS, ANCHORS, AND SEALS *(ME)*  
SECTION 230548 - VIBRATION ISOLATION *(ME)*  
SECTION 230553 - MECHANICAL IDENTIFICATION *(ME)*  
SECTION 230556 - ACCESS DOORS *(ME)*  
SECTION 230573 - EXCAVATION AND BACKFILL *(ME)*  
SECTION 230590 - START-UP REQUIREMENTS FOR HVAC SYSTEMS *(ME)*  
SECTION 230591 - TESTING, CLEANING, AND STERILIZATION OF PIPING  
SYSTEMS *(ME)*  
SECTION 230593 - TESTING AND BALANCING OF MECHANICAL SYSTEMS *(ME)*  
SECTION 230713 - EXTERIOR INSULATION FOR DUCTWORK *(ME)*  
SECTION 230716 - INSULATION FOR HVAC EQUIPMENT AND PIPING *(ME)*  
SECTION 230923 - DIRECT DIGITAL CONTROLS *(ME)*  
SECTION 232113 - HEATING HOT WATER AND CHILLED WATER SYSTEMS  
*(ME)*  
SECTION 232116 - HYDRONIC SPECIALTIES *(ME)*  
SECTION 233113 - HVAC METAL DUCTWORK *(ME)*  
SECTION 233300 - DUCTWORK ACCESSORIES *(ME)*  
SECTION 233400 - FANS *(ME)*  
SECTION 233713 - GRILLES, REGISTERS, AND CEILING DIFFUSERS *(ME)*  
SECTION 233726 - WALL LOUVERS *(ME)*  
SECTION 234318 - BI-POLAR IONIZATION AIR CLEANING EQUIPMENT *(ME)*



## DIVISION 24 - 25 - NOT USED

## DIVISION 26 - ELECTRICAL

- SECTION 260500 – ELECTRICAL GENERAL REQUIREMENTS *(EL)*
- SECTION 260510 – ELECTRIC METHODS AND BASIC MATERIALS *(EL)*
- SECTION 260519 – LOW VOLTAGE ELEC. POWER CONDUCTORS & CABLES *(EL)*
- SECTION 260523 – CONTROL VOLTAGE ELECTRICAL POWER CABLES *(EL)*
- (*EL*) SECTION 260526 – GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
- SECTION 260529 – ELECTRICAL SUPPORTS *(EL)*
- SECTION 260533 – RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS *(EL)*
- SECTION 260553 – IDENTIFICATION FOR ELECTRICAL SYSTEMS *(EL)*
- SECTION 260573.19 – ARC FLASH HAZARD ANALYSIS *(EL)*
- SECTION 260923 – LIGHTING CONTROLS AND DEVICES *(EL)*
- SECTION 262416 – PANELBOARDS *(EL)*
- SECTION 262726 – WIRING DEVICES *(EL)*
- SECTION 262816 – ENCLOSED SWITCHES AND CIRCUIT BREAKERS *(EL)*
- SECTION 263213.16 – GASEOUS EMERGENCY ENGINE GENERATOR *(EL)*
- SECTION 263600 – TRANSFER SWITCHES *(EL)*
- SECTION 264313 – SURGE PROTECTION DEVICES *(EL)*
- SECTION 265119 – LED INTERIOR LIGHTING *(EL)*
- SECTION 265213 – EMERGENCY AND EXIT LIGHTING *(EL)*
- SECTION 265619 – LED EXTERIOR LIGHTING *(EL)*

## DIVISION 27- COMMUNICATIONS

- SECTION 270526 – GROUNDING AND BONDING FOR COMMUNICATIONS SYSTEMS *(TC)*
- SECTION 270526 – PATHWAYS FOR COMMUNICATIONS SYSTEMS *(TC)*
- SECTION 271100 – COMMUNICATIONS EQUIPMENT ROOM FITTINGS *(TC)*
- SECTION 271300 – COMMUNICATIONS BACKBONE CABLING *(TC)*
- SECTION 271500 – COMMUNICATIONS HORIZONTAL CABLING *(TC)*

## DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

- SECTION 284621.11 – ADDRESSABLE FIRE ALARM SYSTEMS *(EL)*

## SECTION 087100 - DOOR HARDWARE

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Mechanical door hardware for the following:
  - a. Swinging doors.

#### 1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
- B. Keying Conference: Conduct conference at Project site.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For electrified door hardware.

#### 1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.

#### 1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Supplier of products and an employer of workers trained and approved by product manufacturers and of an Architectural Hardware Consultant who is available during the course of the Work to consult Contractor, Architect, and Owner about door hardware and keying.
  1. Scheduling Responsibility: Preparation of door hardware and keying schedule.
  2. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project

## 1.6 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
  - 1. Warranty Period: Three years from date of Substantial Completion unless otherwise indicated below:
    - a. Exit Devices: Two years from date of Substantial Completion.
    - b. Manual Closers: 10 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. General: It is intended that new hardware generally match existing.
- B. Fire-Rated Door Assemblies: Where fire-rated doors are indicated, provide door hardware complying with NFPA 80 that is listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
- C. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that complies with requirements of assemblies tested in accordance with UL 1784 and installed in compliance with NFPA 105.
  - 1. Air Leakage Rate: Maximum air leakage of 0.3 cfm/sq. ft. at the tested pressure differential of 0.3-inch wg of water.
- D. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- E. Means of Egress Doors: Latches do not require more than 15 lbf to release the latch. Locks do not require use of a key, tool, or special knowledge for operation.
- F. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the USDOJ's "2010 ADA Standards for Accessible Design", the DOT's "ADA Standards for Transportation Facilities" and the Florida Building Code..

### 2.2 HINGES

- A. Hinges: BHMA A156.1 Provide template-produced hinges for hinges installed on hollow-metal doors and hollow-metal frames.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
  - a. Allegion plc.
  - b. Hager Companies.
  - c. McKinney Products Company; an ASSA ABLOY Group company.
  - d. Stanley Commercial Hardware; a division of Stanley Security

## 2.3 MECHANICAL LOCKS AND LATCHES

- A. Lock Functions: As indicated in door hardware schedule.
- B. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:
  1. Mortise Locks: Minimum 3/4-inch latchbolt throw.
  2. Deadbolts: Minimum 1-inch bolt throw.
- C. Lock Backset: 2-3/4 inches unless otherwise indicated.
- D. Lock Trim:
  1. Levers: Forged.
    - a. match existing..
  2. Escutcheons (Roses):Forged.
  3. Dummy Trim: Match lever lock trim and escutcheons.
- E. Strikes: Provide manufacturer's standard strike for each lock bolt or latchbolt complying with requirements indicated for applicable lock or latch and with strike box and curved lip extended to protect frame; finished to match lock or latch
- F. Mortise Locks: BHMA A156.13; Operational Grade 1; stamped steel case with steel or brass parts; Series 1000.
  1. Manufacturers: Match existing. Subject to compliance with requirements,available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. Best Access Systems; Stanley Security Solutions, Inc. BASIS OF DESIGN, Match Existing.
    - b. SARGENT Manufacturing Company; ASSA ABLOY. BASIS OF DESIGN - to match existing.

## 2.4 EXIT LOCKS AND EXIT ALARMS

- 1.

a. MANUAL FLUSH BOLTS

- B. Manual Flush Bolts: BHMA A156.16; minimum 3/4-inch throw; designed for mortising into door edge.
1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- a. Allegion plc.  
b. Don-Jo Mfg., Inc.  
c. Rockwood.

2.5 EXIT DEVICES AND AUXILIARY ITEMS

- A. Exit Devices and Auxiliary Items: BHMA A156.3.
1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following]:
- a. Allegion plc.-Von Duprin, no substitutions, match existing.

2.6 LOCK CYLINDERS

- A. Lock Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver. Provide cylinder to match existing.
1. Manufacturers: Subject to compliance with requirements, [provide products by the following][provide products by one of the following][available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following]:
- a. Best Access Systems; Stanley Security Solutions, Inc. Match existing.  
b. SARGENT Manufacturing Company; ASSA ABLOY. Match Existing.
- B. Standard Lock Cylinders: BHMA A156.5; Grade 1 permanent cores; face finished to match lockset.
1. Core Type: Removable.
- C. Construction Master Keys: Provide cylinders with feature that permits voiding of construction keys without cylinder removal. Provide 10 construction master keys.
- D. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.

## 2.7 KEYING

- A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, appendix. Provide one extra key blank for each lock. Incorporate decisions made in keying conference.
  - 1. Master Key System: Change keys and a master key operate cylinders. Match existing master key system.
    - a. Provide three cylinder change keys and five master keys.
- B. Keys: Nickel silver.
  - 1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:
    - a. Notation: "DO NOT DUPLICATE." and Information to be furnished by Owner.

## 2.8 OPERATING TRIM

- A. Operating Trim: BHMA A156.6.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. Match existing
    - b. Allegion.
    - c. Hager Companies.
    - d. Rockwood Manufacturing Company; an ASSA ABLOY Group company.
    - e. Sargent
    - f. Trimco.

## 2.9 CLOSERS

- A. Concealed Closers: BHMA A156.4; rack-and-pinion hydraulic type with adjustable sweep and latch speeds controlled by key-operated valves. Comply with manufacturer's written instructions for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. Match existing

- b. Allegion.
- c. DORMA USA, Inc.
- d. SARGENT Manufacturing Company; ASSA ABLOY. BASIS OF DESIGN.

## 2.10 THRESHOLDS

- A. Thresholds: BHMA A156.21; fabricated to full width of opening indicated.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. Hager Companies.
    - b. National Guard Products, Inc.
    - c. Pemko; an ASSA ABLOY Group Company.
    - d. Zero International; an Allegion brand.
    - e.

## 2.11 AUXILIARY DOOR HARDWARE

- A. Auxiliary Hardware: BHMA A156.16.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. Don-Jo Mfg., Inc.
    - b. Hager Companies.
    - c. Rockwood Manufacturing Company; an ASSA ABLOY Group company.
    - d. Trimco.

## 2.12 FINISHES

- A. Provide finishes complying with BHMA A156.18 as indicated in door hardware schedule.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Mounting Heights: Mount door hardware units at heights **to comply with the following** unless otherwise indicated or required to comply with governing regulations.

- B. Standard Steel Doors and Frames: ANSI/SDI A250. Hinges: Install types and in quantities indicated in door hardware schedule, but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.
- C. Lock Cylinders: Install construction cores to secure building and areas during construction period.
  - 1. Replace construction cores with permanent cores as directed by Owner.
  - 2. Match existing.
- D. Key Control Cabinet: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- E. Boxed Power Supplies: Locate power supplies as indicated or, if not indicated, **above accessible ceilings**. Verify location with Architect.
- F. Thresholds: Set thresholds for exterior doors and other doors indicated in full bed of sealant complying with requirements specified in Section 079200 "Joint Sealants."
- G. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they will impede traffic.
- H. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
  - 1. Do not notch perimeter gasketing to install other surface-applied hardware.
- I. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

### 3.2 ADJUSTING

- A. Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced codes and standards.



## HARDWARE SCHEDULE

### Hardware Set No. 1

#### Door Opening # 101

6 ea.	BB Hinges	TA 386-4.5x4.5	626	McKinney
1 ea.	Storage Lock	F07 x LN (Lever Handle to match existing)	626	Sargent
2 ea.	Closers	1331 Series	Gray	Sargent
1 pair	Flush Bolts	555 (manual) top & bottom 12" rod	626	Rockwood
2 ea	Dust Proof Strike	570	626	Rockwood
2 ea.	Floor Stops	446	626	Rockwood
2 ea.	Silencers	608	Gray	Rockwood

### Hardware Set # 2

#### Door Openings # 102, 203, 206, 207, 209

3 ea.	BB Hinges	TA 386 – 4.5 x 4.5	626	McKinney
1 ea.	Storeroom Lock	F07 x LN (Lever Handle to match existing)	626	Sargent
1 ea.	Closer	1331 Series	Gray	Sargent
1ea.	Floor Stop	446	626	Rockwood
3 ea.	Silencers	608	Gray	Rockwood

### Hardware Set 2-A

#### Door Opening # 202, 205

3 ea	BB Hinges	TA 386- 4.5x4.5	626	McKinney
1 ea	Storeroom Lock	F07 x LN (Lever Handle to match existing)	626	Sargent
1 ea	Closer	1331 Series	Gray	Sargent
1 ea	Electric Strike	Intermittent Electric Strike	626	Adams Rite
1 ea	Floor Stop	446	626	Rockwood
3 ea	Silencers	608	Gray	Rockwood

#### Hardware Set # 2-A Notes:

1. Coordinate access control requirements with security access documents.
2. Provide Power Supply for Electric Strike coordinate with Access Control and Electrical drawings.

### Hardware Set # 3

#### Door Openings # 208

3 ea.	BB Hinges	TA 386 – 4.5 x 4.5	626	McKinney
1 ea.	Privacy Lock	F22 x LN (Lever Handle to match existing)	626	Sargent
1 ea.	Closer	1331 Series	Gray	Sargent
1ea.	Floor Stop	446	626	Rockwood
3 ea.	Silencers	608	Gray	Rockwood

### Hardware Set # 4

Door Openings # 200

2 ea.	BB Hinges	TA 386 – 4.5 x 4.5	626	McKinney
1 ea.	Electric Power Transfer	EFT 2	626	Von Duprin
1 ea.	Rim Exit Device	Delayed Egress CX 9847L x E996L	626	Von Duprin
		This line left intentionally blank		
1 ea.	Closer	268 Series	Gray	Sargent
1 ea.	Floor Hold Open	491 R	626	Assa Abloy
1 ea.	Threshold	2005 AV	Mill	Pemko
1 ea.	Weatherstrip Kit	2815-M	Black	Pemko

Hardware Set # 5

Door Opening # 204, # 210, 211

4 ea.	BB Hinges	TA 386 – 4.5 x 4.5	626	McKinney
2 ea.	Electric Power Transfer	EFT 2	626	Von Duprin
2 ea.	Concealed Vertical Rod Exit Device	Delayed Egress CX 9847L x E996L	626	Von Duprin
2 ea.	Closers	268 Series	Gray	Sargent
2 ea.	Floor Hold Open	491R	626	assa Abloy
2 ea.	Floor Stop	491 R (door opening # 210 only)	626	Assa Abloy
2 ea.	Silencers	608	Gray	Rockwood

Notes for Hardware Sets 4 and 5

1. Provide power supply unit capable of operation both doors # 200 and # 204. Locate above ceiling, coordinate with electrician. Note Reuse existing power supply if compatible. Power supply may be located within the vicinity of door # 200. Coordinate with General and Demolition contractors to recover/ preserve/ protect existing power supply.
2. Alarm Kit required on Exit devices. Coordinate with Airport Security.
3. All Exit Devices require electric retraction, and shall fail secure.
4. Door Opening # 200, exit device shall be wind tested.
5. Key pads on Door Opening #200 and #204 (one inside and one outside) shall release both door leaves.

6. Sequence of door security operation for Door opening # 203 and # 204.

a. Authorized User's: Approach from inside or outside, enter security code at keypad, door(s) release, exit device alarm deactivated, door may be opened, and held open.

b. Fire alarm emergency: Fire Alarm initiation with Delayed action exit device. Depress exit device crash bar, crash bar alarm sound and door releases to open within fifteen (15) seconds.

Unauthorized User's. Delayed action exit device. Depress exit device crash bar, alarm sounds and remains secure.

d. In the event of a power failure. Exit device remains in locking (fail secure) condition. If a fire alarm is initiated during a power failure, item 'b' above takes precedence.

7. Provide signage. **"PUSH TO OPEN - ALARM WILL SOUND"** on each exit device crash bar.

END OF SECTION 087100

## SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK

### PART 1 - GENERAL

#### 1.1 SUMMARY

##### A. Section Includes:

1. Interior standing and running trim.
2. Interior frames and jambs.
3. Wood Cabinets.
4. Plastic-laminate cabinets.
5. Solid-surfacing-material countertops.
6. Shop finishing of interior woodwork.
7. Millwork with stainless steel finishes and associated hardware.
8. Translucent Resin Panels.

#### 1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

#### 1.3 ACTION SUBMITTALS

##### A. Product Data: For the following:

1. Anchors.
2. Adhesives.
3. Shop finishing materials.
4. Fire-Retardant Treatment: Include data and warranty information from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.

##### B. Shop Drawings:

1. Include the following:
  - a. Dimensioned plans, elevations, and sections.
  - b. Attachment details.
2. Show full-size details.
3. Apply AWI Quality Certification Program label to Shop Drawings.

- C. Samples: For each exposed product and for each shop-applied color and finish specified.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For architectural woodwork manufacturer and Installer.
- B. Product Certificates: For the following:
  - 1. Composite wood products.
  - 2. Adhesives.
- C. Field quality-control reports.

#### 1.5 QUALITY ASSURANCE

- A. Manufacturer's Certification: Licensed participant in AWI's Quality Certification Program.
  - 1. Installer Qualifications: Manufacturer of products and Licensed participant in AWI's Quality Certification Program.

### PART 2 - PRODUCTS

#### 2.1 ARCHITECTURAL WOODWORK MANUFACTURERS

#### 2.2 ARCHITECTURAL WOODWORK, GENERAL

- A. Quality Standard: Unless otherwise indicated, comply with the Architectural Woodwork Standards for grades of interior architectural woodwork indicated for construction, finishes, installation, and other requirements.
  - 1. Provide labels and certificates from AWI certification program indicating that woodwork and installation complies with requirements of grades specified.

##### 2.1 MATERIALS

- A. General: Provide materials that comply with requirements of AWI's quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.
- B. Wood Species and Cut for Transparent Finish: Cherry, rift sawn or quarter sliced.
- C. Wood Products: Comply with the following:
  - 1. Recycled Content of Medium-Density Fiberboard: Provide products with an average recycled content so postconsumer recycled content plus one-half of preconsumer recycled content is not less than 25 p cent.
  - 2. Hardboard: AHA A135.4.
  - 3. Medium-Density Fiberboard: ANSI A208.2, Grade MD, made with binder containing no urea formaldehyde.
  - 4. Softwood Plywood: DOC PS 1, Medium Density Overlay.
  - 5. Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1, made

with adhesive containing no urea formaldehyde.

- D. Thermoset Decorative Panels: Particleboard or medium-density fiberboard finished with thermally fused, melamine-impregnated decorative paper complying with LMA SAT-1.

1. Provide PVC or polyester edge banding complying with LMA EDG-1 on components with exposed or semi-exposed edges.

- E. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or, if not indicated, as required by woodwork quality standard.

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering high-pressure decorative laminates that may be incorporated into the Work include, but are not limited to, the following:

- a. Formica Corporation.
- b. Nevamar Company, LLC; Decorative Products Div.
- c. Wilsonart International; Div. of Premark International, Inc.

- F. Solid-Surfacing Material: Homogeneous solid sheets of filled plastic resin complying with ISSFA-2. •

1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

- a. Avonite, Inc.
- b. E. I. du Pont de Nemours and Company.
- c. Formica
- d. Swan Corporation (The).
- e. Wilsonart International; Div. of Premark International, Inc.

2. Colors and Patterns: As selected by Architect from manufacturers full range.

- G. Stainless Steel Sheet

1. Plate, and Flat Bar: ASTM A 666, Type 304.
2. Pipe: ASTM A 312, Grade TP 304.
3. Stainless Steel Finish: As surface preparation, remove tool and die marks and stretch lines, or blend into finish. Grind and polish surfaces to produce uniform finish, free of cross scratches. Run grain of directional finishes with long dimension of each piece. Stainless steel finish shall be directional satin finish, No.

- H. Glass associated with Millwork: Where indicated, provide 12.0 mm laminated glass, composed of two clear 6.0 mm lites and 0.030 inch (0.76 mm) interlayer. Glass shall comply with ASTM C 1172 and with testing requirements in 16 CFR 1201 for Category II materials, and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation. Laminate glass with polyvinyl butyral interlayer to comply with interlayer manufacturer's written recommendations. Interlayer color shall be clear, unless otherwise indicated.

I. Translucent Resin Panels:

1. Basis-of-Design: The design for translucent resin panels is based on Material: Varia 3/8, Style: Wave + Clear and Finish: Wave emboss manufactured by 3form. Subject to compliance with requirements, provide either the named product or a comparable product by another approved manufacturer.

2.3 INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH

- A. Architectural Woodwork Standards Grade: Premium.
- B. Hardwood Lumber:
  1. Wood Species and Cut: Cherry, rift sawn or quarter sliced.
  2. For trim items other than base wider than available lumber, use veneered construction. Do not glue for width.

2.4 INTERIOR FRAMES AND JAMBS FOR TRANSPARENT FINISH

- A. Architectural Woodwork Standards Grade: Premium.
- B. Wood Species and Cut: Cherry, rift sawn or quarter sliced.

2.5 FIRE-RETARDANT-TREATED WOOD MATERIALS

- A. Fire-Retardant-Treated Wood Materials: Where fire-retardant-treated materials are indicated, use materials complying with requirements that are acceptable to authorities having jurisdiction and with fire-test-response characteristics specified as determined by testing identical products in accordance with test method indicated by a qualified testing agency.
  1. Use treated materials that comply with requirements of the Architectural Woodwork Standards. Do not use materials that are warped, discolored, or otherwise defective.
  2. Use fire-retardant-treatment formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
  3. Identify fire-retardant-treated materials with appropriate classification marking of qualified testing agency in the form of removable paper label or imprint on surfaces that will be concealed from view after installation.
- B. Fire-Retardant-Treated Lumber and Plywood: Products with a flame-spread index of 25 or less when tested in accordance with ASTM E84, with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 10.5 feet beyond the centerline of the burners at any time during the test.
  1. Kiln-dry lumber and plywood after treatment to a maximum moisture content of 19 and 15 percent, respectively.

2. For items indicated to receive a stained, transparent, or natural finish, use organic resin chemical formulation.
- C. Fire-Retardant Fiberboard: Medium-density fiberboard (MDF) panels complying with ANSI A208.2, made from softwood fibers, synthetic resins, and fire-retardant chemicals mixed together at time of panel manufacture, to achieve flame-spread index of 25 or less and smoke-developed index of 200 or less in accordance with ASTM E84.
  1. Product: Subject to compliance with requirements, provide “Medite FR” by SierraPine Ltd.; Medite Div.

## 2.6 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Nailers: Fire-retardant-treated softwood lumber, kiln-dried to less than 15 percent moisture content.
- B. Provide self-drilling screws for metal-framing supports, as recommended by metal-framing manufacturer.
- C. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage.
  1. Provide metal expansion sleeves or expansion bolts for post-installed anchors.
  2. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.
- D. Installation Adhesive: Product recommended by fabricator for each substrate for secure anchorage.

## 2.7 FABRICATION

- A. Sand fire-retardant-treated wood lightly to remove raised grain on exposed surfaces before fabrication.
- B. Complete fabrication, including assembly, to maximum extent possible before shipment to Project site.
  1. Disassemble components only as necessary for shipment and installation.
  2. Where necessary for fitting at site, provide allowance for scribing, trimming, and fitting.
  3. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled.
    - a. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting.
    - b. Verify that parts fit as intended, and check measurements of assemblies against field measurements indicated on approved Shop Drawings before disassembling for shipment.



## 2.8 SHOP FINISHING

- A. Finish interior architectural woodwork with transparent finish at fabrication shop. Defer only final touchup, cleaning, and polishing until after installation.
- B. Preparation for Finishing: Comply with Architectural Woodwork Standards, Section 5 for sanding, filling countersunk fasteners, sealing concealed surfaces, and similar preparations for finishing interior architectural woodwork, as applicable to each unit of work.
  - 1. Backpriming: Apply one coat of sealer or primer, compatible with finish coats, to concealed surfaces of interior architectural woodwork. Apply two coats to end-grain surfaces.
- C. Transparent Finish:
  - 1. Architectural Woodwork Standards Grade: Premium.
  - 2. AWI Finish System: Acrylic lacquer.
  - 3. Wash Coat for Closed-Grain Woods: Apply wash-coat sealer to woodwork made from closed-grain wood before staining and finishing.
  - 4. Staining: Match Architect's sample.

## 2.9 PREPARATION

- A. Before installation, condition interior architectural woodwork to humidity conditions in installation areas for not less than 72 hours prior to beginning of installation.
- B. Before installing interior architectural woodwork, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming of concealed surfaces.

## 2.10 INSTALLATION

- A. Grade: Install interior architectural woodwork to comply with same grade as item to be installed.
- B. Assemble interior architectural woodwork and complete fabrication at Project site to the extent that it was not completed during shop fabrication.
- C. Install interior architectural woodwork level, plumb, true in line, and without distortion.
  - 1. Shim as required with concealed shims.
  - 2. Install level and plumb to a tolerance of 1/8 inch in 96 inches.
- D. Scribe and cut interior architectural woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. Preservative-Treated Wood: Where cut or drilled in field, treat cut ends and drilled holes in accordance with AWPA M4.

- F. Fire-Retardant-Treated Wood: Install fire-retardant-treated wood to comply with chemical treatment manufacturer's written instructions, including those for adhesives used to install woodwork.
- G. Anchor interior architectural woodwork to anchors or blocking built in or directly attached to substrates.

## 2.11 FIELD QUALITY CONTROL

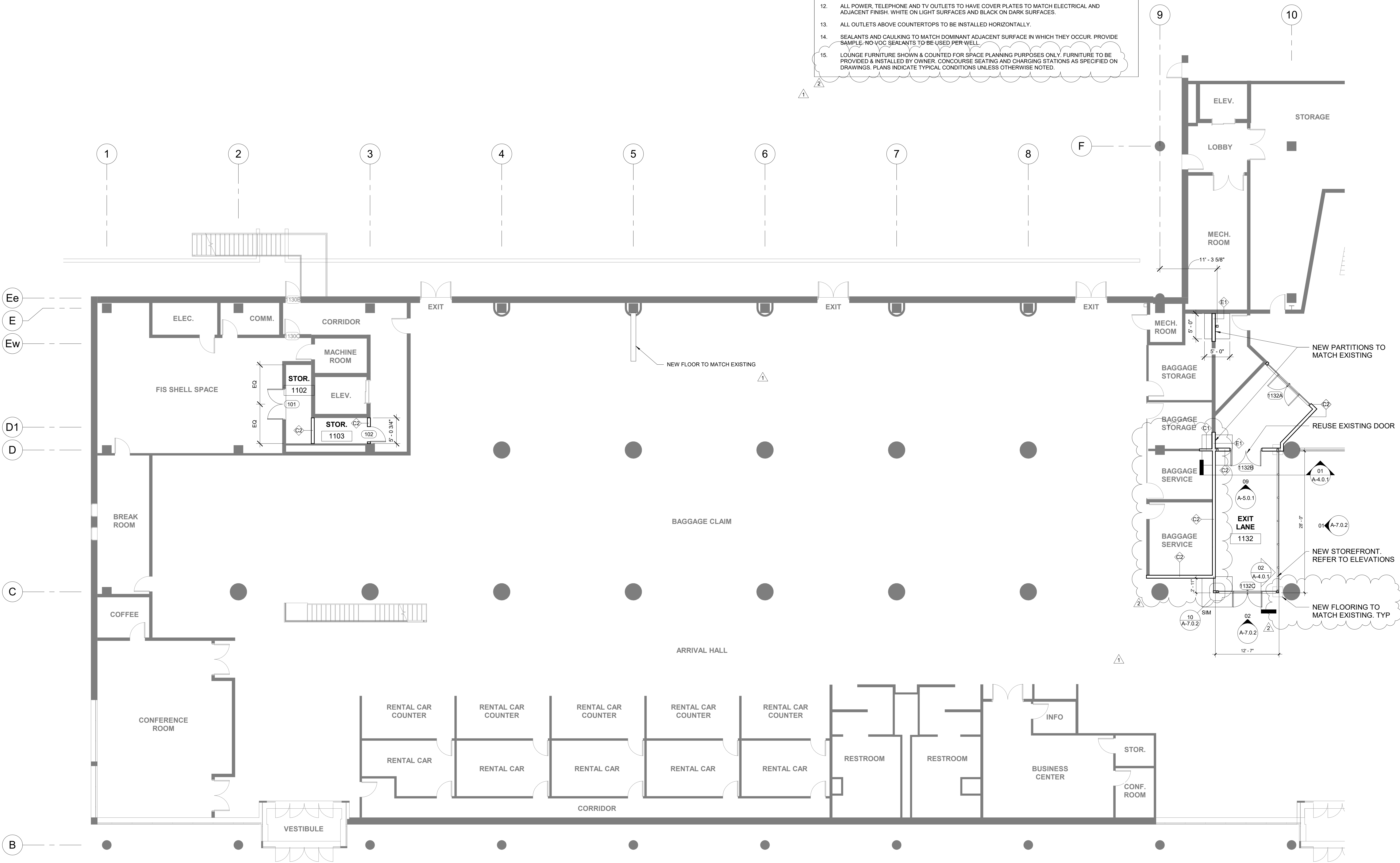
- A. Inspections: Provide inspection of installed Work through AWI's Quality Certification Program certifying that woodwork, including installation, complies with requirements of the Architectural Woodwork Standards for the specified grade.
  - 1. Inspection entity shall prepare and submit report of inspection.

**END OF SECTION 064023**

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# **DRAWINGS**

5/17/2022 5:45:01 PM BIM 360://210211 - NWBIA North Terminal Renovations - Task #2 (2021/210211 - Panama City Airport NWFB Task 2\_R01.rvt



PLAN NOTES

1. ALL ACCESSIBLE ENTRANCES SHALL HAVE NO MORE THAN A 2 PERCENT SLOPE FOR A DISTANCE OF 60" PERPENDICULAR TO THE DOOR.
2. ALL COMMON USE DOOR THRESHOLDS TO BE ACCESSIBLE. REFER TO TYPICAL DOOR THRESHOLDS.
3. COORDINATE WORK WITH STRUCTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TELE/COMM DRAWINGS. IF DISCREPANCIES EXIST, OBTAIN CLARIFICATION FROM ARCHITECT PRIOR TO CONSTRUCTION. PANELS, RISERS, AND TELE/COMM ARE LOCATED ON THE PLANS FOR REFERENCE ONLY.
4. AREA CALCULATIONS, REFER TO BUIDING CODE INFORMATION.
5. FIRE EXTINGUISHERS ARE TO BE LOCATED EVERY FLOOR WITH A MAXIMUM TRAVEL DISTANCE OF 75'-0" AT WALKWAYS.
6. INTERIOR PARTITION TYPES, REFER TO SHEET G-0-0.4
7. ALL DIMENSIONS INDICATED ON PLANS ARE FINISH FACE OF PARTITIONS TO FINISH FACE OF PARTITIONS. UNLESS NOTED OTHERWISE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL SPECIFIC DIMENSION DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT / INTERIOR DESIGNER TO OBTAIN DIMENSION CLARIFICATION AND APPROVAL TO PROCEED WITH WORK.
8. ALL RATED PARTITIONS SHALL BE PERMANENTLY IDENTIFIED IN A MANNER ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION. STENCILING (MIN 2" HIGH) AS EXAMPLE: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS" AND BE PLACED ABOVE THE CEILING OR IN A CONCEALED SPACE.
9. DOOR FRAMES SHALL BE LOCATED 4" FROM FACE OF ADJACENT PARTITION TO INSIDE FACE OF JAMB, UNLESS NOTED OTHERWISE.
10. CEILING AND SOFFIT LOCATIONS AND HEIGHTS, REFER TO REFLECTED CEILING PLANS
11. PROVIDE REINFORCING BEHIND WALL MOUNTED AND CEILING MOUNTED EQUIPMENT.
12. ALL POWER, TELEPHONE AND TV OUTLETS TO HAVE COVER PLATES TO MATCH ELECTRICAL AND ADJACENT FINISH. WHITE ON LIGHT SURFACES AND BLACK ON DARK SURFACES.
13. ALL OUTLETS ABOVE COUNTERTOPS TO BE INSTALLED HORIZONTALLY.
14. SEALANTS AND CAULKING TO MATCH DOMINANT ADJACENT SURFACE IN WHICH THEY OCCUR. PROVIDE SAMPLE-NO VOC SEALANTS TO BE USED PER WELL.
15. LOUNGE FURNITURE SHOWN & COUNTED FOR SPACE PLANNING PURPOSES ONLY. FURNITURE TO BE PROVIDED & INSTALLED BY OWNER. CONCOURSE SEATING AND CHARGING STATIONS AS SPECIFIED ON DRAWINGS. PLANS INDICATE TYPICAL CONDITIONS UNLESS OTHERWISE NOTED.

FLOOR PLAN LEGEND:

- EXISTING OR BASE BUILDING PARTITIONS - SHADED, TO REMAIN
- NEW PARTITIONS - SEE PARTITION TYPES
- NEW DOOR. SEE SCHEDULE
- WALL TYPE TAG. SEE PARTITION TYPES
- CARD READER DOOR DEVICE
- HOLD OPEN DOOR DEVICE



ATLANTA  
1201 W. PEACHTREE ST, SUITE 630  
ATLANTA, GA 30309

TALLAHASSEE  
850 S. GADSDEN ST, SUITE 140  
TALLAHASSEE, FL 32301

FITZGERALD COLLABORATIVE GROUP, LLC.  
AA26001957



REVISION NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022
2	ADDENDUM 3	05/17/2022

PERMIT DOCUMENTS

CLIENT  
**NORTHWEST FLORIDA BEACHES INTERNATIONAL AIRPORT (ECP)**



PROJECT TITLE  
**PANAMA CITY AIRPORT NWFBIA:**

**NORTH TERMINAL EXPANSION / IMPROVEMENTS**

6300 WEST BAY PKWY,  
PANAMA CITY, FL 32409

PROJECT NUMBER  
NO. 210211

ISSUE DATE  
05.10.2022

DRAWING TITLE  
**ENLARGED FLOOR PLAN - LEVEL 01**

SHEET NUMBER

**A-2.1.0**

**01 ENLARGED FLOOR PLAN - LEVEL 01**  
1/8" = 1'-0"





03 DEMOLITION PHOTO  
12" = 1'-0"



02 DEMOLITION PHOTO  
12" = 1'-0"

DEMOLITION PLAN KEYNOTES:

- 1 REMOVE EXISTING PARTITION. PATCH AND REPAIR EXISTING SURFACES THAT ARE TO REMAIN TO PREPARE FOR NEW FINISHES AS REQUIRED
- 2 REMOVE EXISTING DOOR, FRAME AND HARDWARE
- 3 REMOVE EXISTING STAIR AND HANDRAILS. PATCH AND REPAIR WALLS AS REQUIRED
- 4 REMOVE EXISTING CONCRETE SLAB

GENERAL NOTES:

REFER TO MEP DRAWINGS FOR FURTHER COORDINATION.  
CORE SLAB - COORDINATE WITH ELECTRICAL FOR FLOOR BOX LOCATIONS.

DEMOLITION FLOOR PLAN LEGEND:

- EXISTING OR BASE BUILDING PARTITIONS TO REMAIN
- EXISTING OR BASE BUILDING PARTITIONS TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- EXISTING SLAB TO BE REMOVED
- EXISTING FINISH FLOOR TO BE REMOVED



FITZGERALD  
COLLABORATIVE

ATLANTA  
1201 W. PEACHTREE ST, SUITE 630  
ATLANTA, GA 30309

TALLAHASSEE  
850 S. GAOUSDEN ST, SUITE 140  
TALLAHASSEE, FL 32301

FITZGERALD COLLABORATIVE GROUP, LLC.  
AA26001957



ARCHITECTS



REVISION NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022
2	ADDENDUM 3	05/17/2022

PERMIT  
DOCUMENTS

CLIENT  
**NORTHWEST  
FLORIDA BEACHES  
INTERNATIONAL  
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBA:

**NORTH TERMINAL  
EXPANSION /  
IMPROVEMENTS**

6300 WEST BAY PKWY,  
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

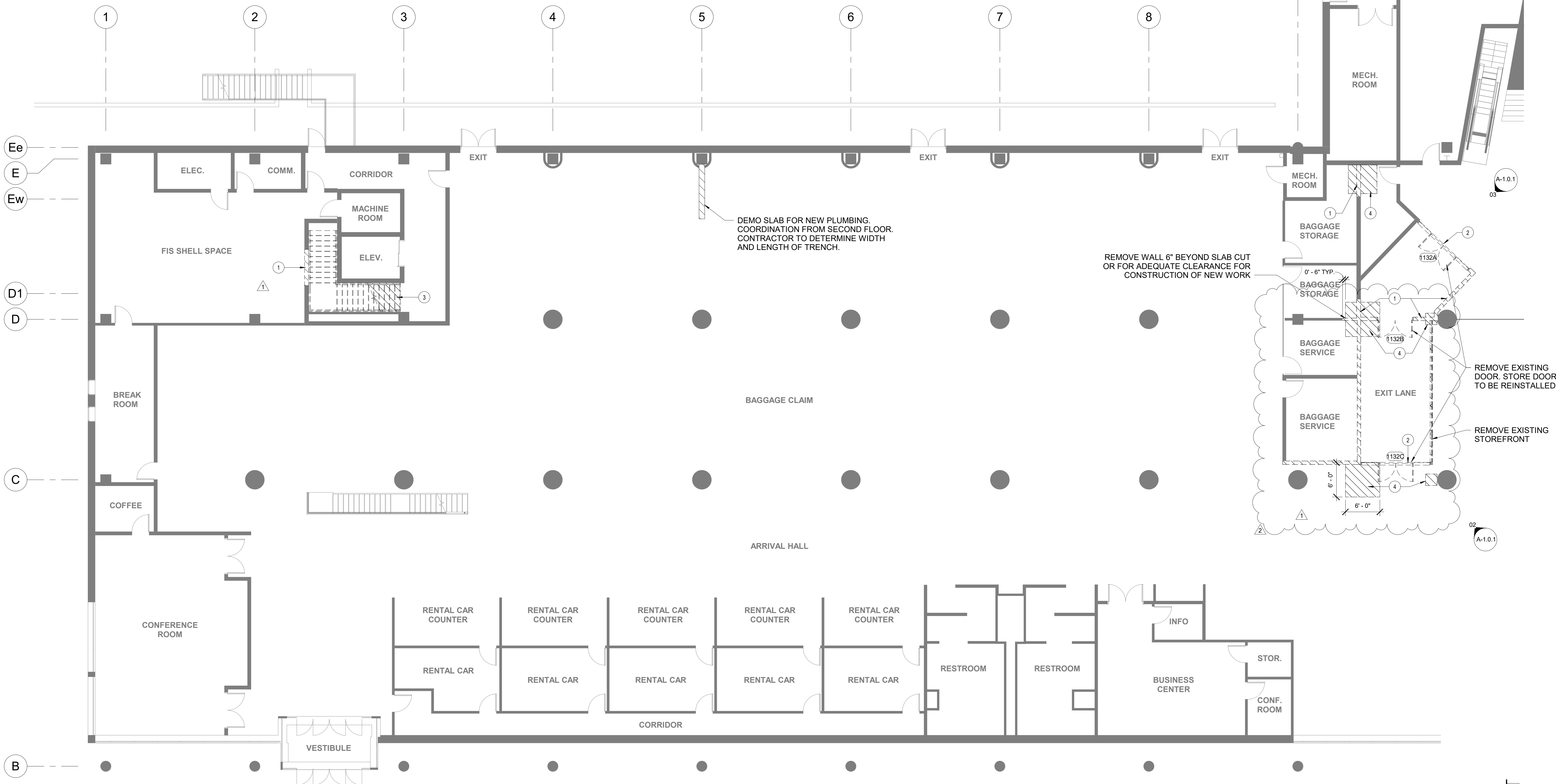
05.10.2022

DRAWING TITLE

**DEMOLITION  
FLOOR PLAN  
- LEVEL 01**

SHEET NUMBER

**A-1.0.1**



01 DEMOLITION PLAN - LEVEL 01  
1/8" = 1'-0"



5/17/2022 5:47:32 PM BIM 360://210211 - NWBIA North Terminal Renovations - Task #2 (2021/210211 - Panama City Airport NWFB Task 2\_R01.rvt

GENERAL NOTES:

REFER TO MEP DRAWINGS FOR FURTHER COORDINATION.  
CORE SLAB - COORDINATE WITH ELECTRICAL FOR FLOOR BOX LOCATIONS.



DEMOLITION PLAN KEYNOTES:

- 1 REMOVE EXISTING PARTITION. PATCH AND REPAIR EXISTING SURFACES THAT ARE TO REMAIN TO PREPARE FOR NEW FINISHES AS REQUIRED
- 2 REMOVE EXISTING DOOR, FRAME AND HARDWARE
- 3 REMOVE EXISTING STAIR AND HANDRAILS. PATCH AND REPAIR WALLS AS REQUIRED
- 4 REMOVE EXISTING CONCRETE SLAB

DEMOLITION FLOOR PLAN LEGEND:

- EXISTING OR BASE BUILDING PARTITIONS TO REMAIN
- EXISTING OR BASE BUILDING PARTITIONS TO BE REMOVED
- EXISTING DOOR TO BE REMOVED
- EXISTING SLAB TO BE REMOVED
- EXISTING FINISH FLOOR TO BE REMOVED



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PERMIT  
DOCUMENTS

CLIENT  
**NORTHWEST  
FLORIDA BEACHES  
INTERNATIONAL  
AIRPORT (ECP)**



PROJECT TITLE  
**PANAMA CITY AIRPORT NWFBI:**

**NORTH TERMINAL  
EXPANSION /  
IMPROVEMENTS**

6300 WEST BAY PKWY,  
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

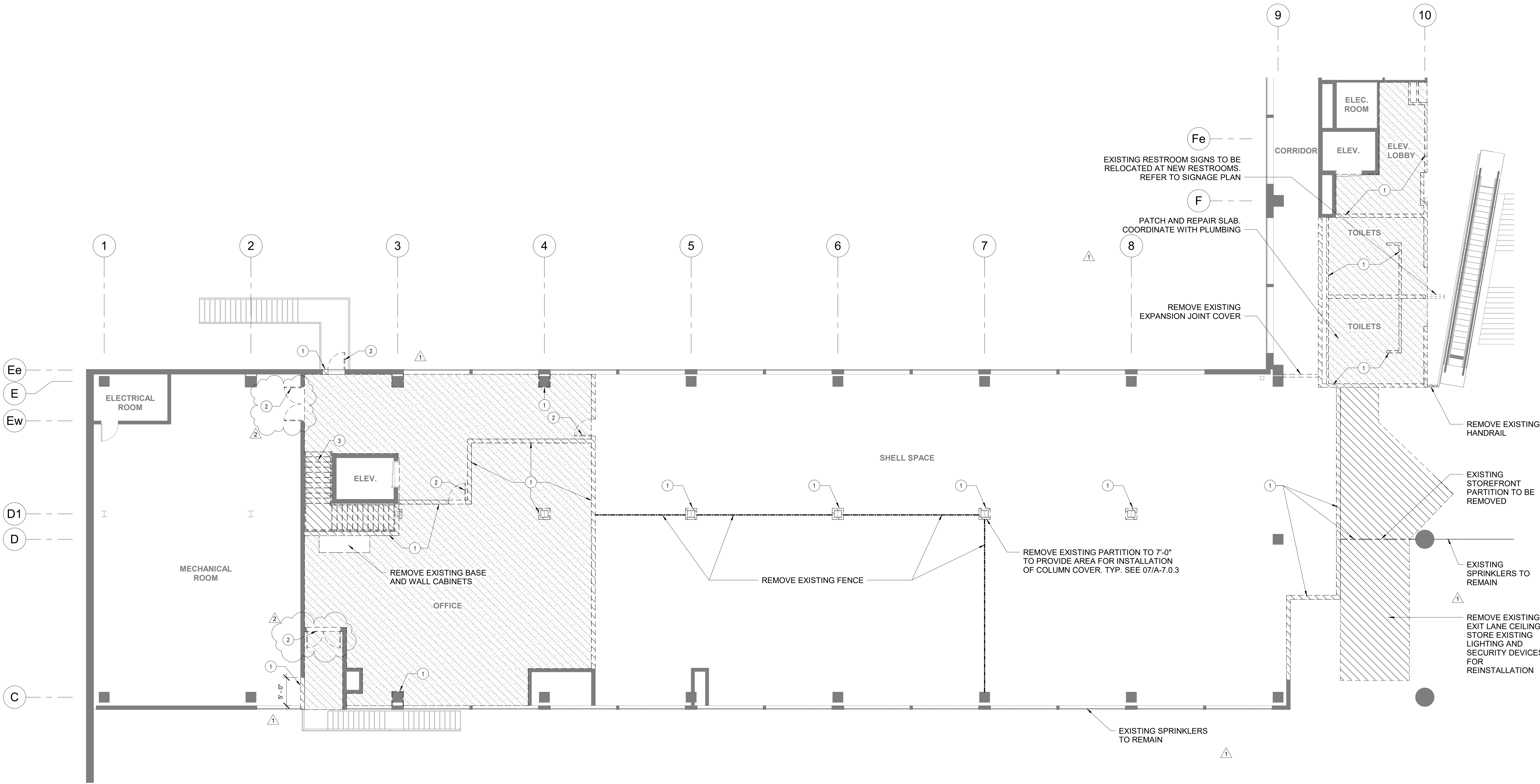
05.10.2022

DRAWING TITLE

**DEMOLITION  
FLOOR PLAN  
- LEVEL 02**

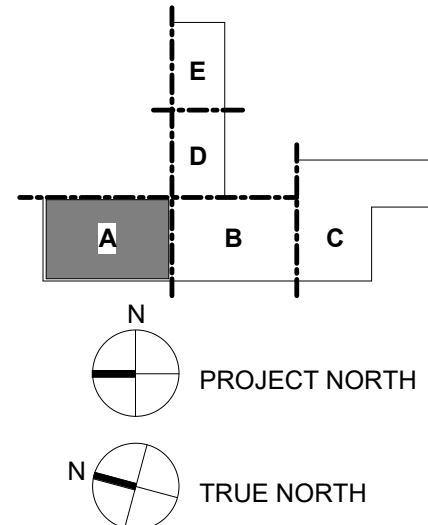
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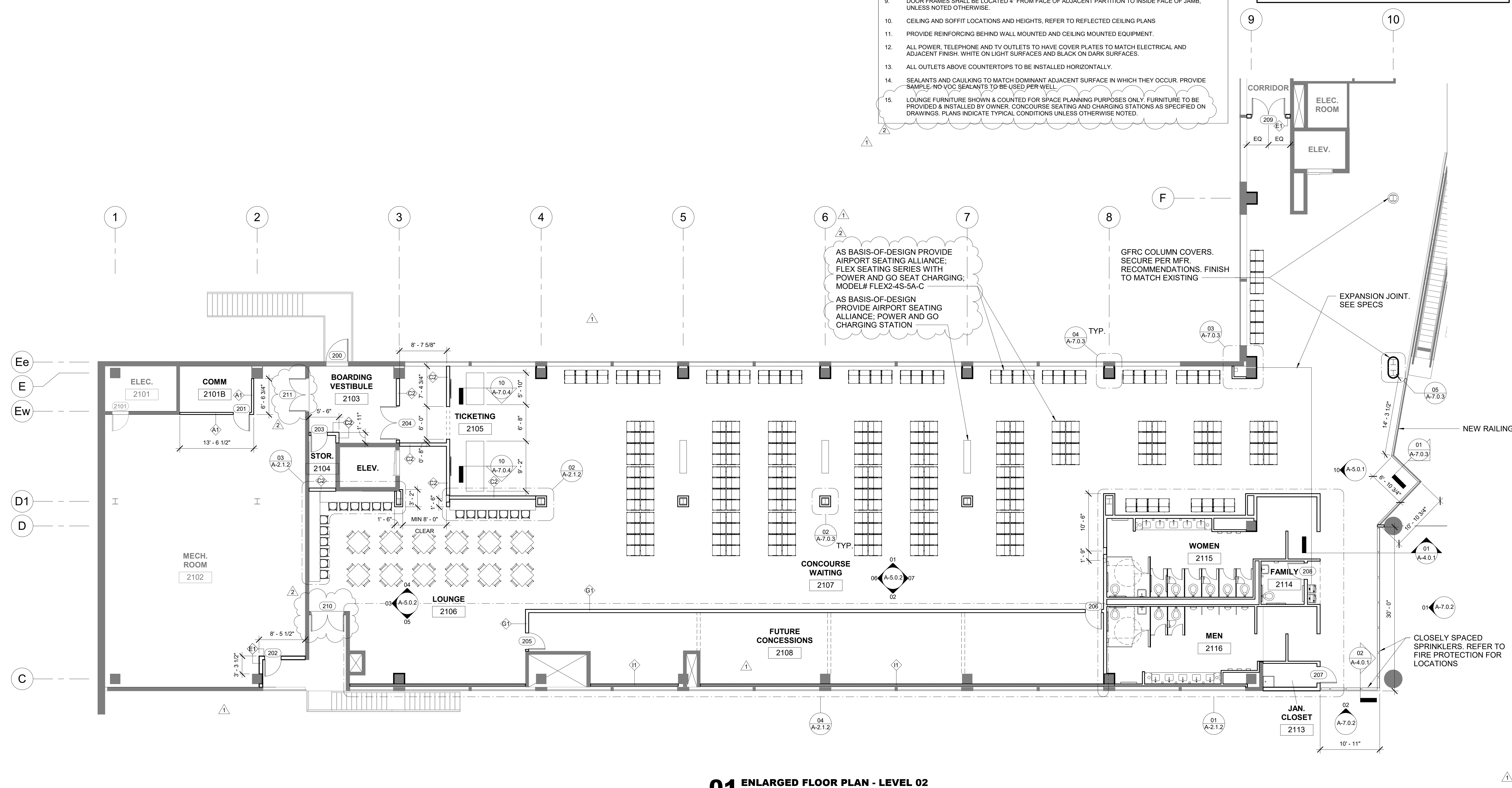


**01** DEMOLITION PLAN - LEVEL 02

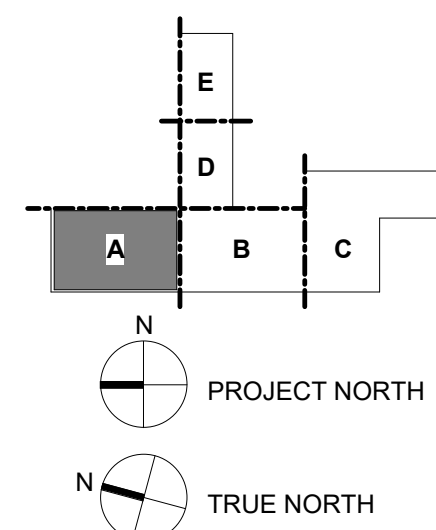
1/8" = 1'-0"





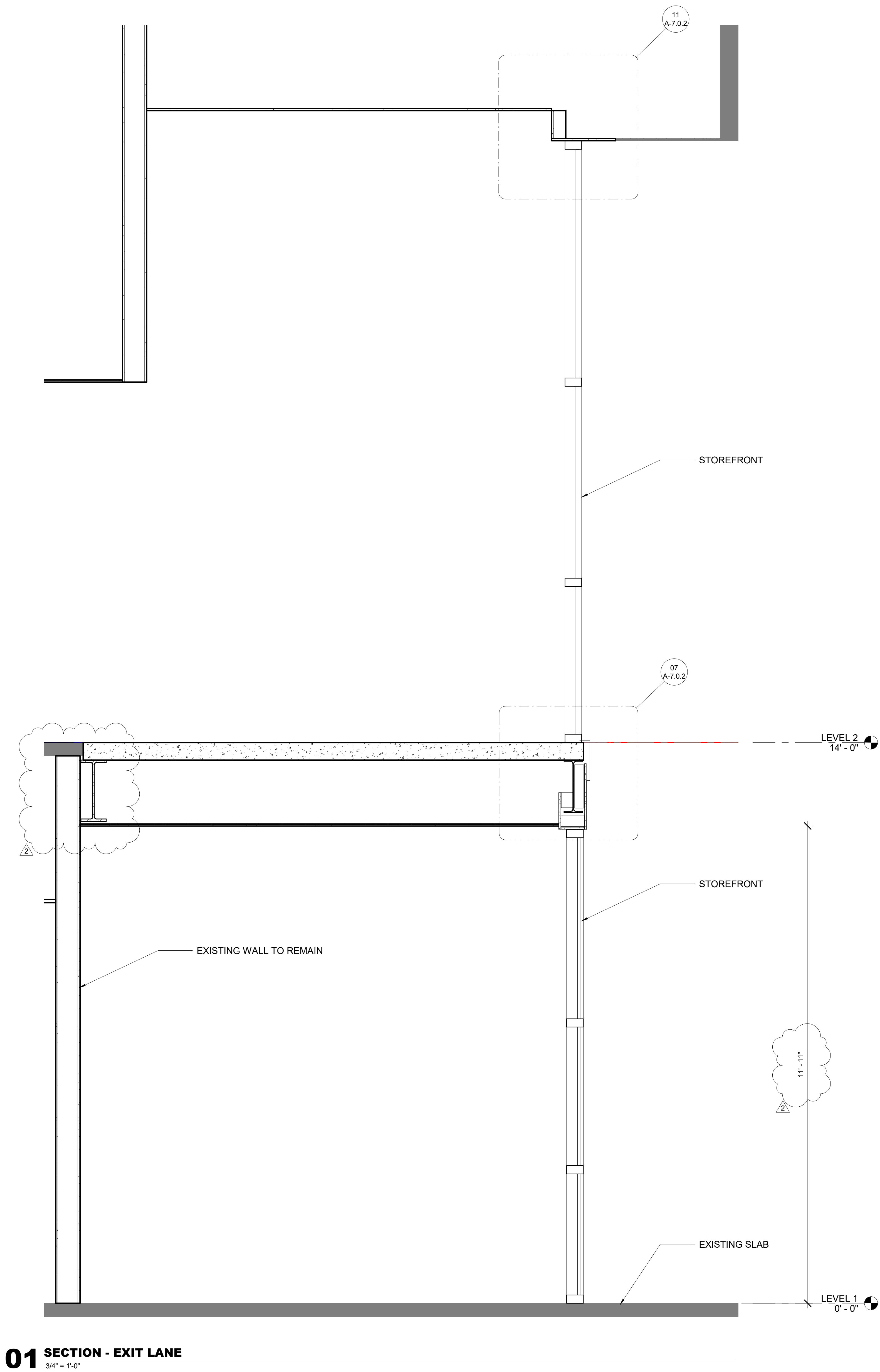
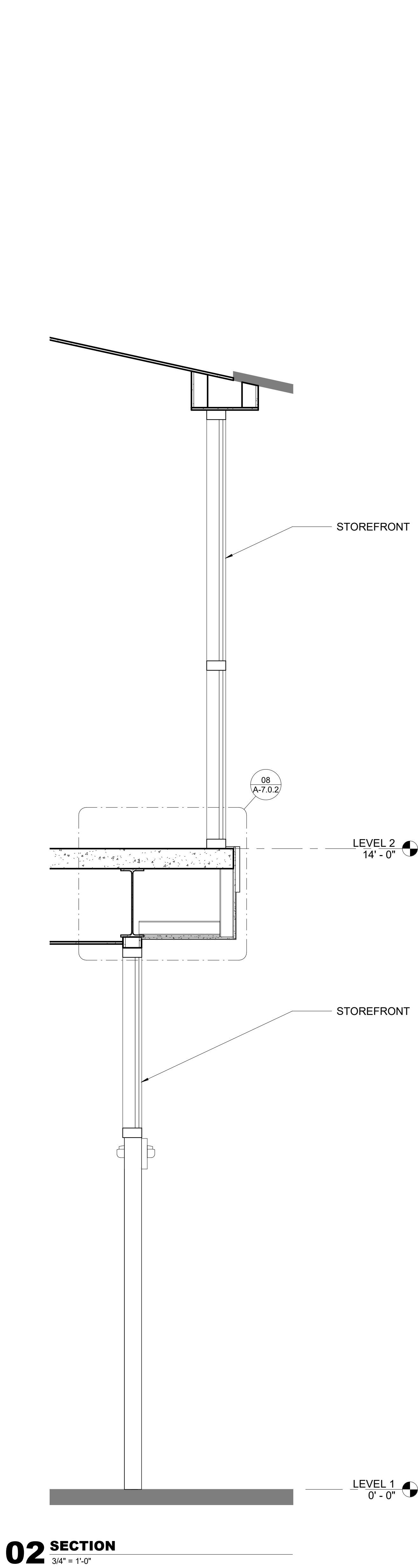


## 01 ENLARGED FLOOR PLAN - LEVEL 02





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FLORIDA BEACHES  
INTERNATIONAL  
AIRPORT (ECP)**



PROJECT TITLE  
**PANAMA CITY AIRPORT NWFBIA:**

**NORTH TERMINAL  
EXPANSION /  
IMPROVEMENTS**

**6300 WEST BAY PKWY,  
PANAMA CITY, FL 32409**

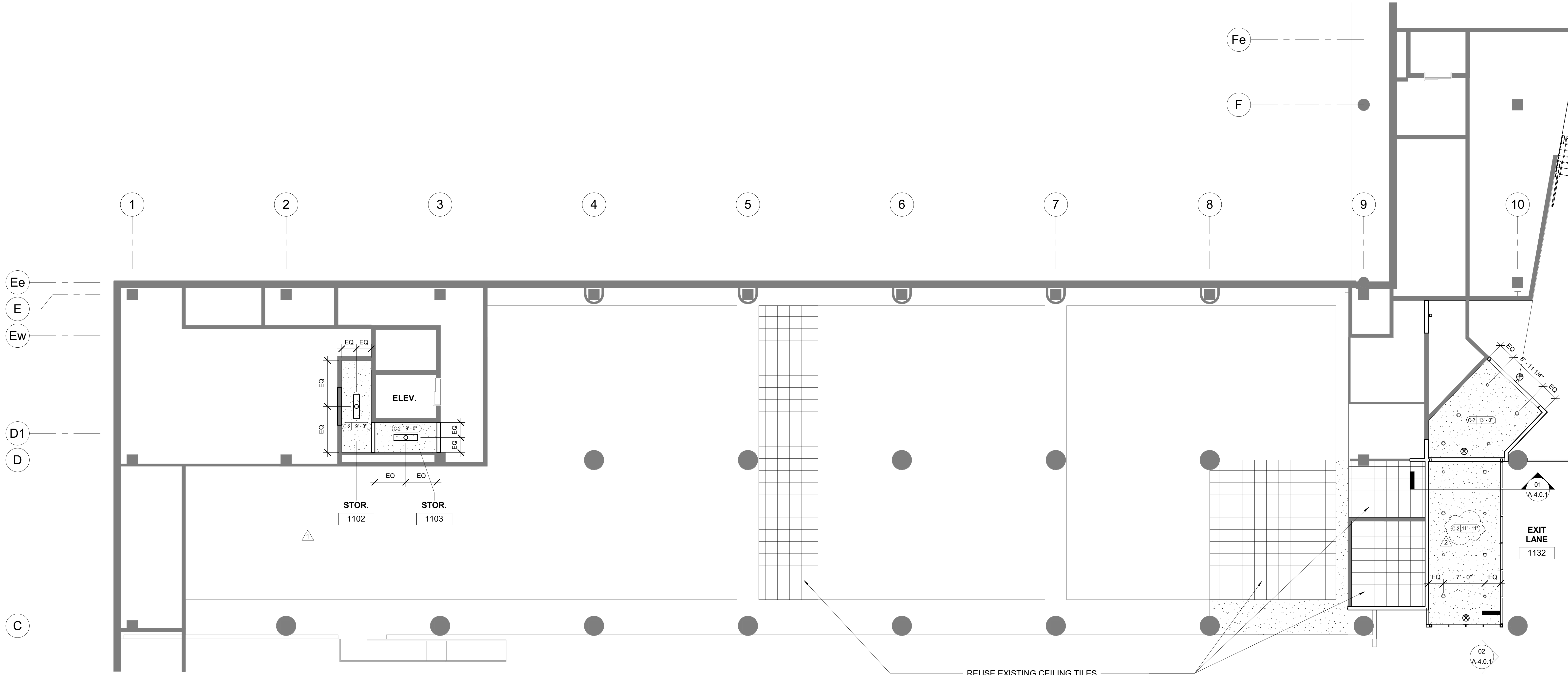
PROJECT NUMBER  
**NO. 210211**

ISSUE DATE  
**05.10.2022**

DRAWING TITLE  
**BUILDING  
SECTIONS**

SHEET NUMBER  
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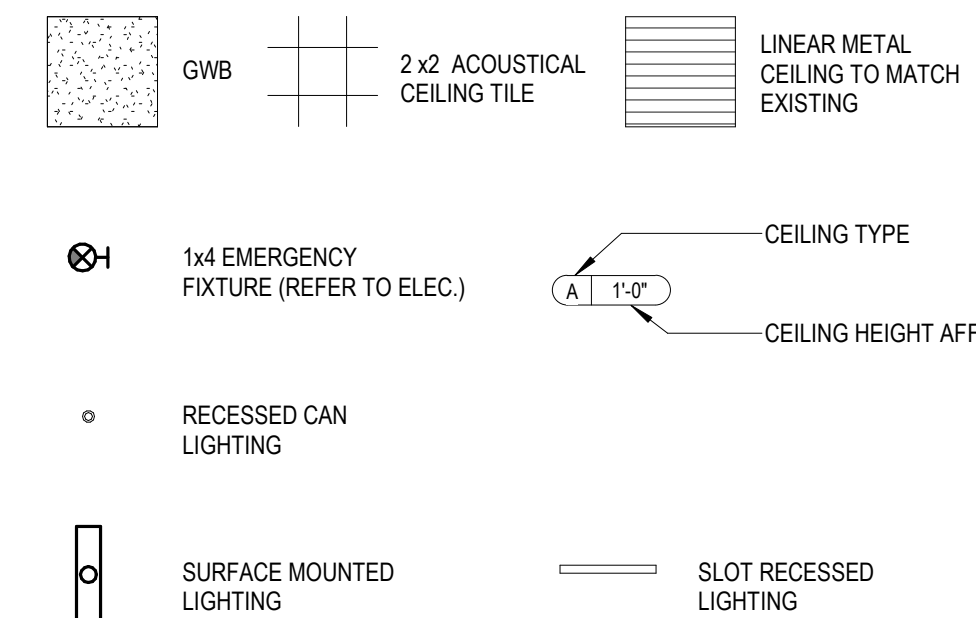
**01 REFLECTED CEILING PLAN - LEVEL 01**

1/8" = 1'-0"

**NOTE:**

REFER ELECTRICAL FOR LIGHTING.

**REFLECTED CEILING PLAN LEGEND**



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PROJECT TITLE  
**PANAMA CITY AIRPORT NWFBI: NORTH TERMINAL EXPANSION / IMPROVEMENTS**

6300 WEST BAY PKWY,  
PANAMA CITY, FL 32409

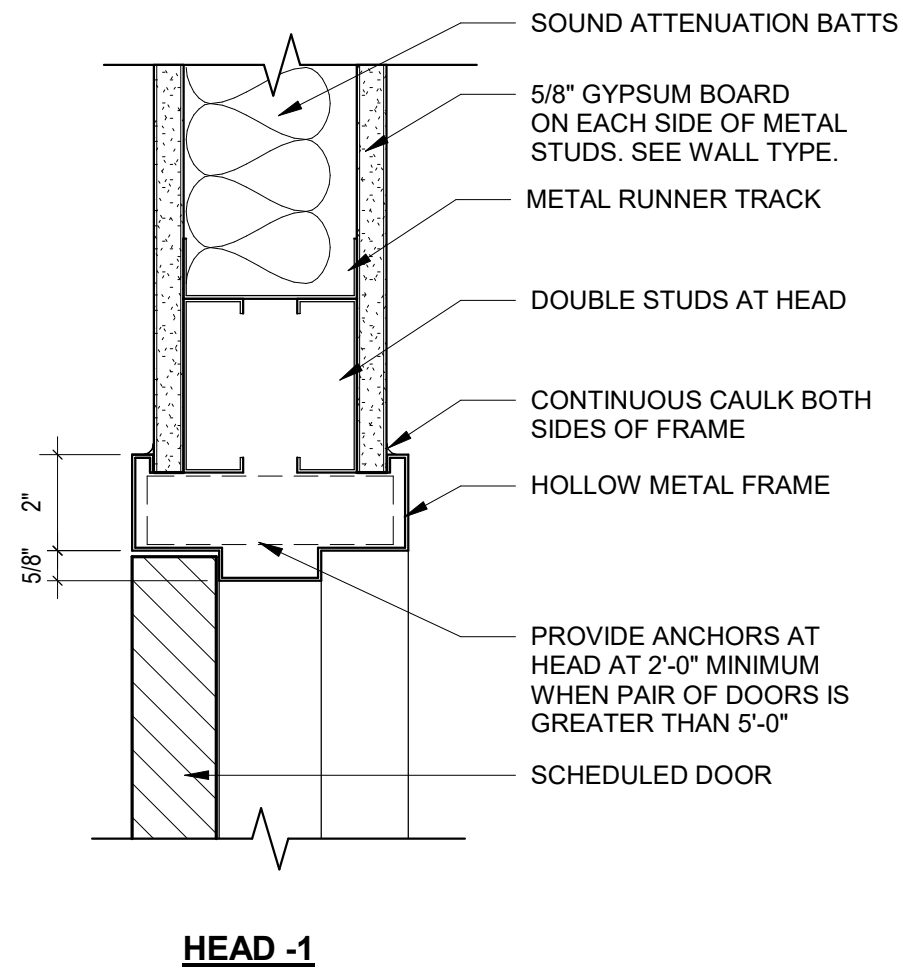
PROJECT NUMBER  
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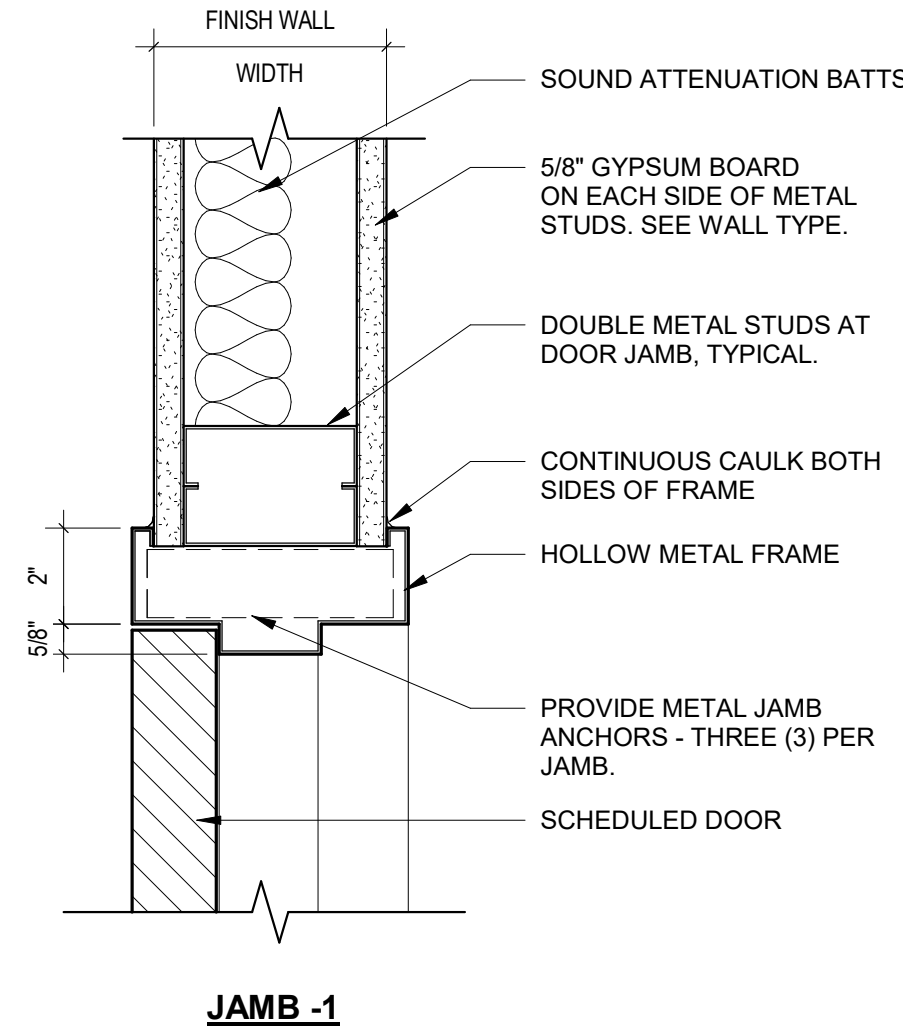
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**REFLECTED CEILING PLAN - LEVEL 01**

SHEET NUMBER  
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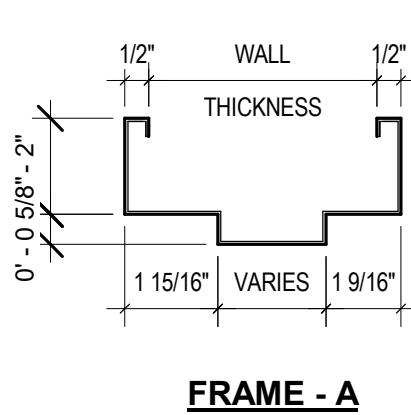




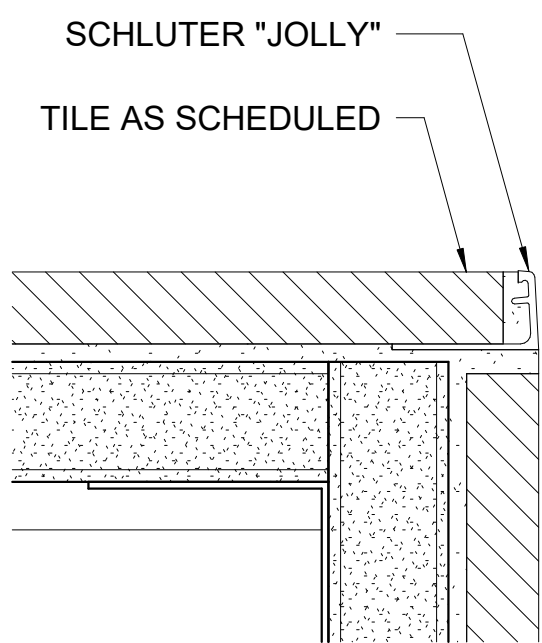
#### 04 DOOR HEAD DETAIL - INTERIOR



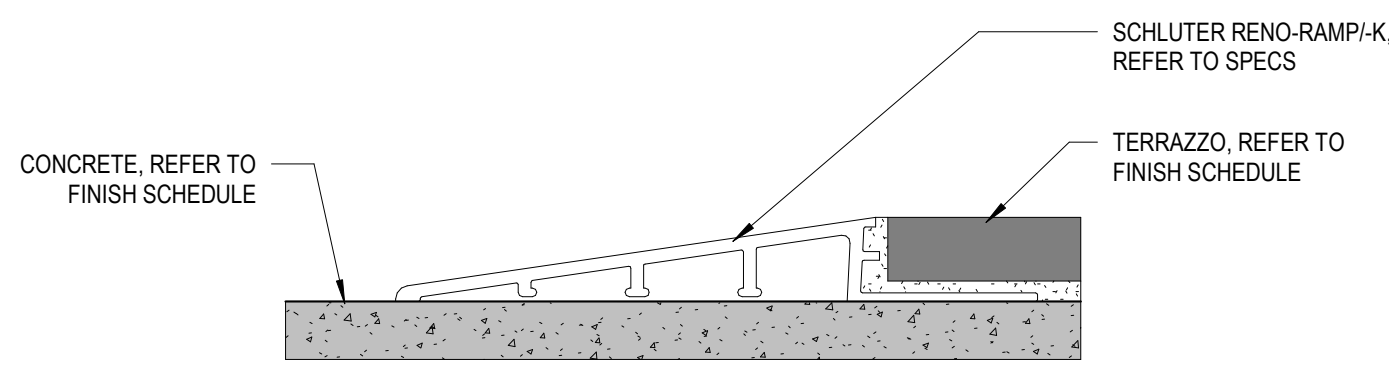
#### 03 DOOR JAMB DETAIL - INTERIOR



#### 02 DOOR FRAME

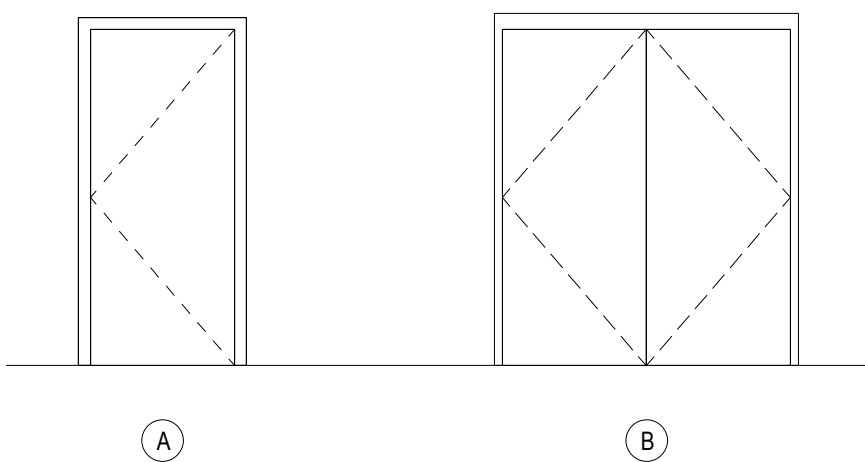


#### 05 TILE TRIM @ CORNER



#### 01 TRANSITION - TERRAZZO TO CONCRETE

### DOOR TYPES



FINISH SCHEDULE												
ROOM	NO.	FLOOR MATERIAL	MANUFACTURER	STYLE	COLOR	SIZE	BASE	WALLS	CEILING	CEILING HEIGHT	NOTES	Area
STOR.	1102	VCT						GWB	GWB	8'-0"		78 SF
STOR.	1103	VCT						GWB	GWB	8'-0"		53 SF
EXIT LANE	1132									11'-11'		341 SF
COMM	2101B	EXISTING						GWB	EXPOSED STRUCTURE			111 SF
BOARDING VESTIBULE	2103	TERR	SHERWIN WILLIAMS					GWB	GWB	9'-0"		213 SF
STOR.	2104	VCT						GWB	GWB	8'-0"		47 SF
TICKETING	2105	TERR	SHERWIN WILLIAMS					GWB	LMC	VARIES		508 SF
LOUNGE	2106	TERR	SHERWIN WILLIAMS					GWB	GWB	VARIES		1386 SF
CONCOURSE WAITING	2107	TERR	SHERWIN WILLIAMS					GWB	LMC	VARIES		7579 SF
FUTURE CONCESSIONS	2108	SC						GWB	GWB	9'-0"		1278 SF
JAN. CLOSET	2113	SC						GWB	GWB	8'-0"		43 SF
FAMILY	2114	TERR	SHERWIN WILLIAMS				TERR	CT	GWB	8'-0"		62 SF
WOMEN	2115	TERR	SHERWIN WILLIAMS				TERR	CT	GWB	9'-0"		496 SF
MEN	2116	TERR	SHERWIN WILLIAMS				TERR	CT	GWB	9'-0"		478 SF
CONCOURSE	2404	TERR	SHERWIN WILLIAMS					GWB	LMC	VARIES		292 SF
Grand total: 15												12964 SF

LEGEND:	
CT:	CERAMIC TILE
LMC:	LINEAR METAL CEILING
TERR:	TERRAZZO
VCT:	VINYL COMPOSITE TILE
SC:	SEALED CONCRETE
SS:	STAINLESS STEEL
SSR:	SOLID SURFACE

DOOR SCHEDULE												
DOOR NO.	DOOR TYPE	DOOR MATERIAL	DOOR			FRAME		HEAD DETAIL	DETAILS		FIRE RATING (minute)	COMMENTS
			WIDTH	HEIGHT	THICKNESS	FRAME TYPE	FRAME MATERIAL		JAMB DETAIL	SILL DETAIL		
101	B	HM	6' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		-	
102	A	HM	3' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		90	
200	A	HM	4' - 0"	7' - 0"	0' - 1 3/4"	A	HM				-	SECURITY DOOR. ACCESS CONTROL
201	A	HM	3' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		1	
202	A	HM	3' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		90	SECURITY DOOR. ACCESS CONTROL
203	A	WD	3' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1	01/A-7.0.1	-	
204	B	HM	6' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		-	SECURITY DOOR. ACCESS CONTROL
205	A	WD	3' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1	01/A-7.0.1	45	
206	A	WD	3' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1	01/A-7.0.1	45	
207	A	WD	3' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1	01/A-7.0.1	-	
208	A	WD	3' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		-	
209	B	WD	6' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		90	
210	B	WD	6' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		90	
211	B	HM	6' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1	01/A-7.0.1	90	
1108A			6' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1108B			6' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1108C			6' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1109A			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1110A			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1111A			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1121A			6' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1121B			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1121C			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1123			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1130A			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1130B			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1130C			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1132A	A	HM	11' - 2 1/2"	7' - 0"	0' - 1 3/4"	-						EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED AND REINSTALLED. PROVIDE ASSA ABLOY DOOR ASSEMBLY SL500 AS BASIS OF DESIGN SHOULD NEW DOORS BE REQUIRED
1132B	A	HM	6' - 0"	7' - 0"	0' - 1 3/4"	A	HM	02/A-7.0.1	03/A-7.0.1		90	EXISTING DOOR, FRAME AND HARDWARE TO BE REINSTALLED
1132C	A	HM	11' - 2 1/2"	7' - 0"	0' - 1 3/4"	-						EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED AND REINSTALLED. PROVIDE ASSA ABLOY DOOR ASSEMBLY SL500 AS BASIS OF DESIGN SHOULD NEW DOORS BE REQUIRED
1135			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1136			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1139			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1152A			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1152B			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
1154			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
2101			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
2114			3' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
2402A			4' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
2402B			3' - 6"	7' - 0"	0' - 1 3/4"							EXISTING DOOR
2402D			4' - 0"	7' - 0"	0' - 1 3/4"							EXISTING DOOR

NOTE: ALL WOOD DOORS TO RECEIVE KICK PLATE

ACCESSORIES FIXTURE SCHEDULE					
Type Mark	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL	COMMENTS
AED	AUTOMATED EXTERNAL DEFIBRILLATOR	ACTIVAR CONSTRUCTION PRODUCTS GROUP	1710		
BCT	SURFACE MOUNTED BABY CHANGING STATION	BRADLEY	962-11	STAINLESS STEEL	
FEC	FIRE EXTINGUISHER CABINET	ACTIVAR CONSTRUCTION PRODUCTS GROUP	8135	STAINLESS STEEL	
GB36	36" GRAB BAR	BRADLEY	832	STAINLESS STEEL	CONFIGURTION 001-36"
GB42	42" GRAB BAR	BRADLEY	832	STAINLESS STEEL	CONFIGURTION 001-42"
HD	WALL MOUNTED HAND DRYER	DYSON	DYSON AIRBLADE V AB12	STAINLESS STEEL	
MR	FRAMELESS MIRROR. CLIP FASTENERS, 24" x 36"	BRADLEY	747-024360	STAINLESS STEEL	
SD	WALL MOUNTED FOAM SOAP DISPENSER	BOBRICK	B-2013		
TD	TOWEL DISPENSER	BRADLEY	250-150000	STAINLESS STEEL	
TP1	1-STALL SEAT COVER/PAPER DISPENSER	BRADLEY	5922	STAINLESS STEEL	
TP2	2-STALL SEAT COVER/PAPER DISPENSER	BRADLEY	5921		
TP3	1-STALL SEAT COVER/PAPER DISPENSER, NAPKIN DISPOSAL	BRADLEY	5912	STAINLESS STEEL	
TP4	2-STALL SEAT COVER/PAPER DISPENSER, NAPKIN DISPOSAL	BRADLEY	5911	STAINLESS STEEL	

FINISH LEGEND						
TAG	APPLICATION	MATERIAL	CLASS	MFGR/STYLE	COLOR/FINISH/SIZE	NOTES

PT-1	WALLS	GWB/PAINT	NC*	SHERWIN WILLIAMS	SW 6204: SEA SALT	TYP UNLESS NOTED. SEE WALL TYPE SHEET FOR FULL ASSEMBLY.
LAM-1	CASEWORK/ CABINETS	LAMINATE	C (3)	PAPERSTONE	PEWTER	
MTL	COLUMN COVER	FORMS AND SURFACES		STAINLESS STEEL	SEASTONE FLAT (NO PATTERN)	
SSR-1	COUNTERTOP	SOLID SURFACE		WILSONART	SOOTHING GREY 9116GS	
TZ-1	FLOOR	TERRAZZO		SHERWIN WILLIAMS	RESUFLOOR TERRAZZO TG, SW-1056TZ	
TZ-2	FLOOR	TERRAZZO		SHERWIN WILLIAMS	RESUFLOOR TERRAZZO TG, SW-1047TZ	
WT-1	WALL TILE	CERAMIC TILE	NC	DALTILE COLOR WHEEL	4" x 12" MATTE ARCTIC WHITE 0790 (1)	INSTALL: VERTICAL
WT-2	WALL TILE	CERAMIC TILE	NC	DALTILE MULTITUDE	12" x 24" NOSTALGIC BLUE MU19 (WAVE)	INSTALL: HORIZONTAL



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**NORTHWEST**  
**FLORIDA BEACHES**  
**INTERNATIONAL**  
**AIRPORT (ECP)**



**PANAMA CITY AIRPORT NWFB:**

### NORTH TERMINAL EXPANSION / IMPROVEMENTS

**6300 WEST BAY PKWY,**  
**PANAMA CITY, FL 32409**

**NO. 210211**

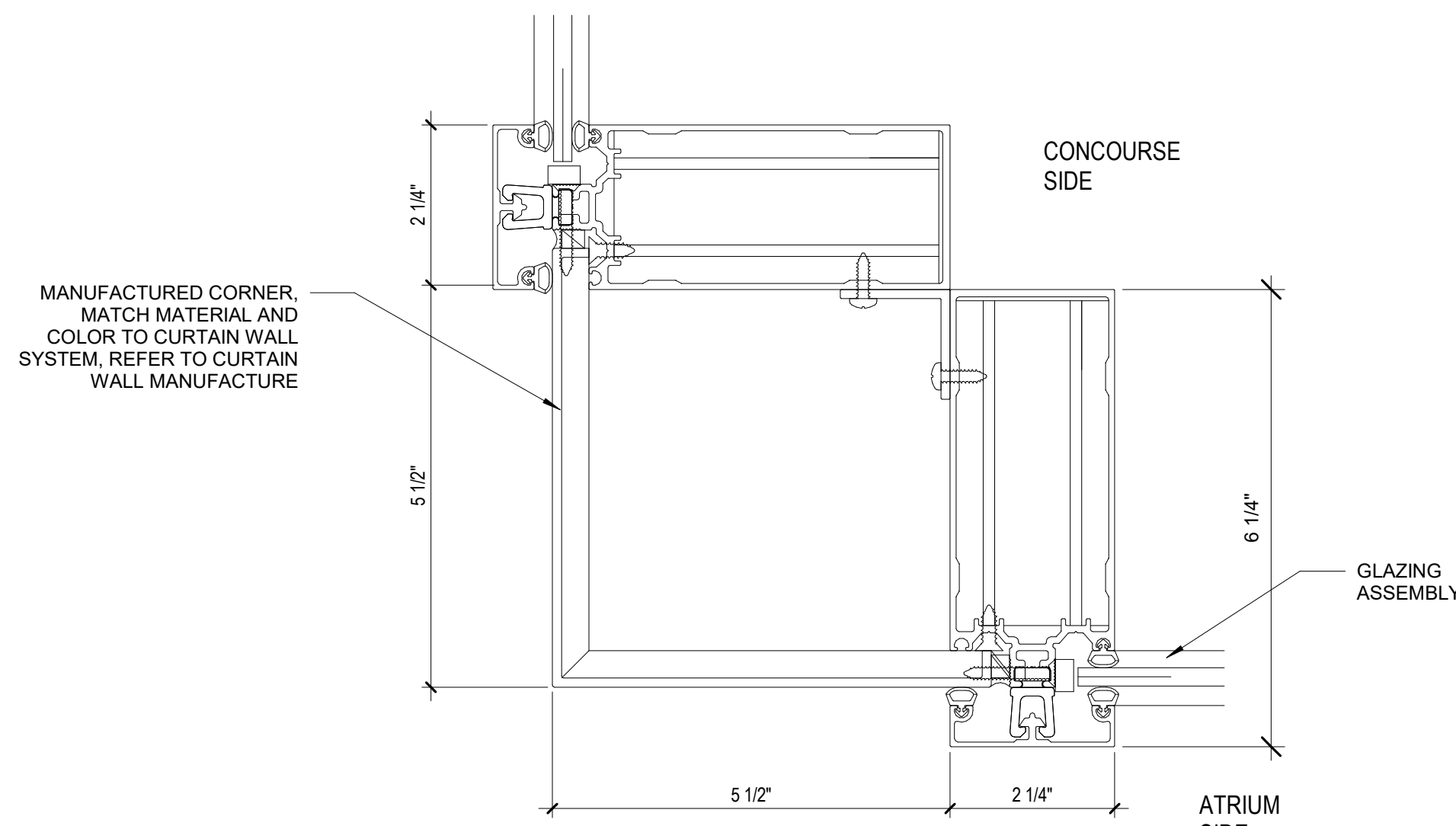
**05.10.2022**

### DETAILS & SCHEDULES

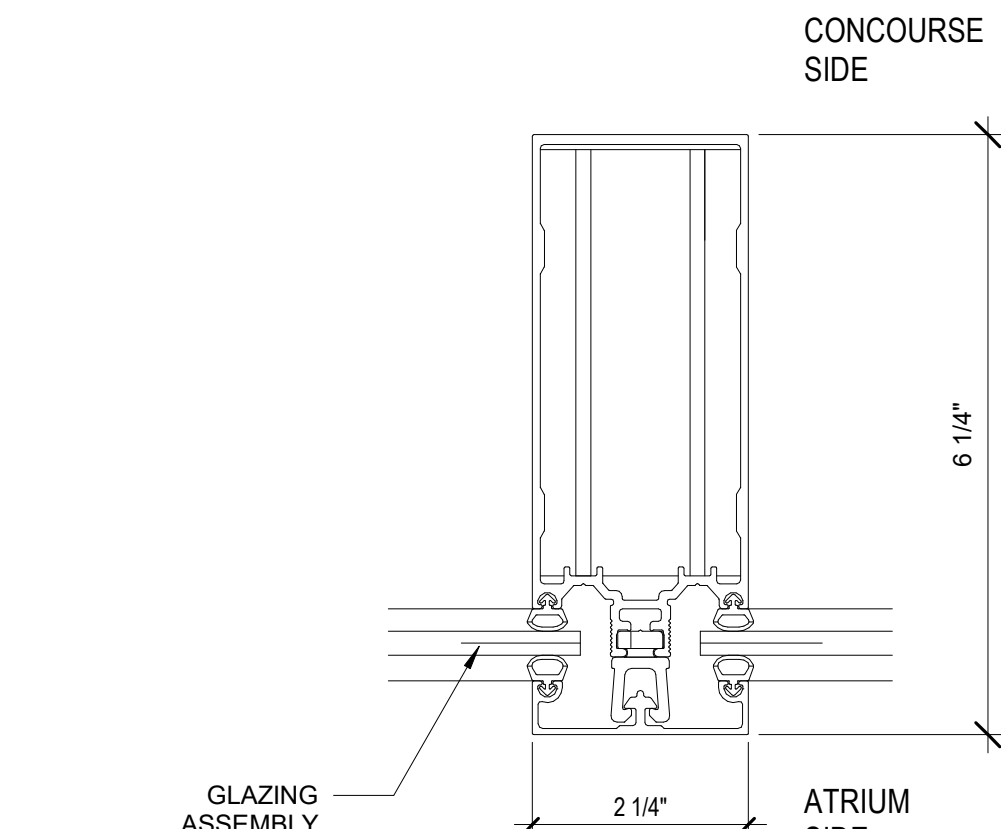
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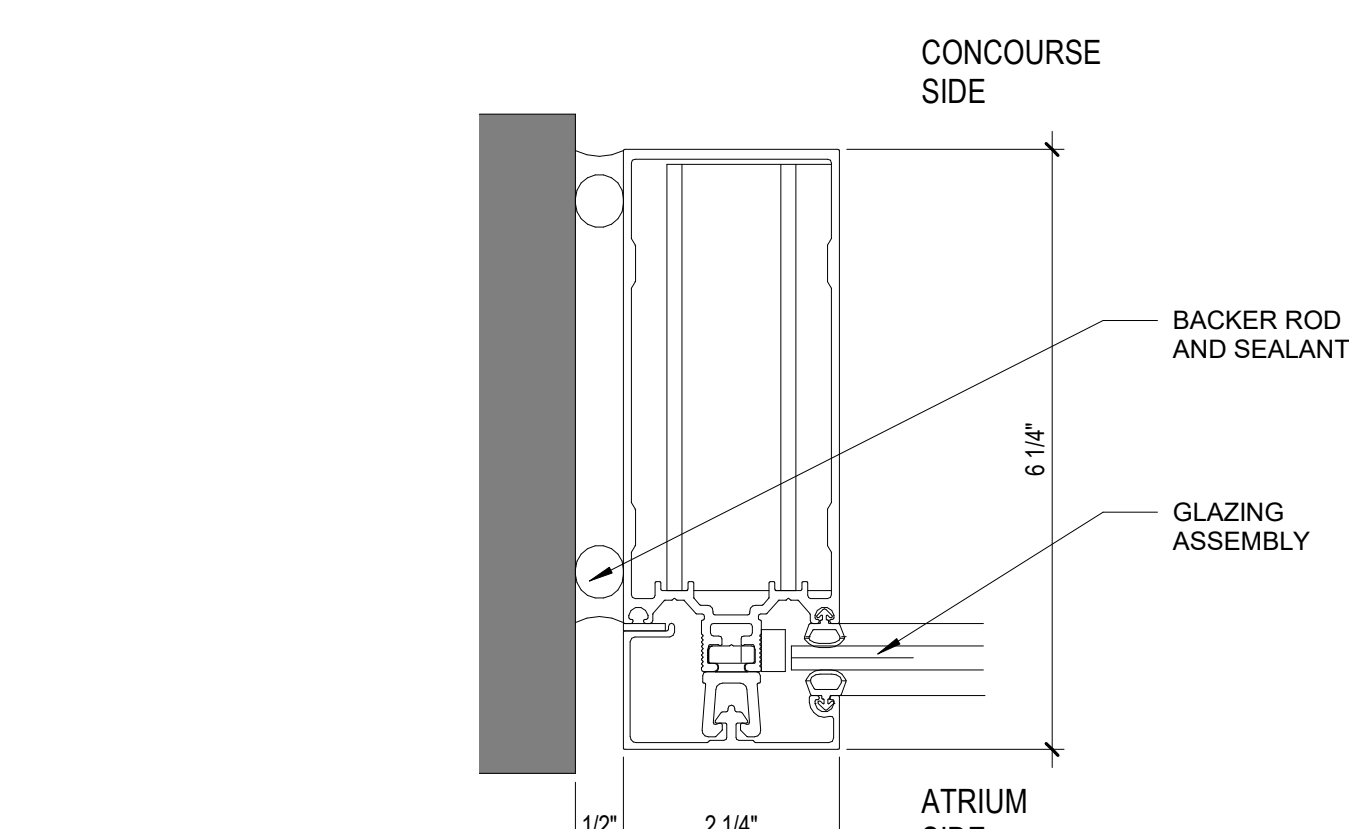
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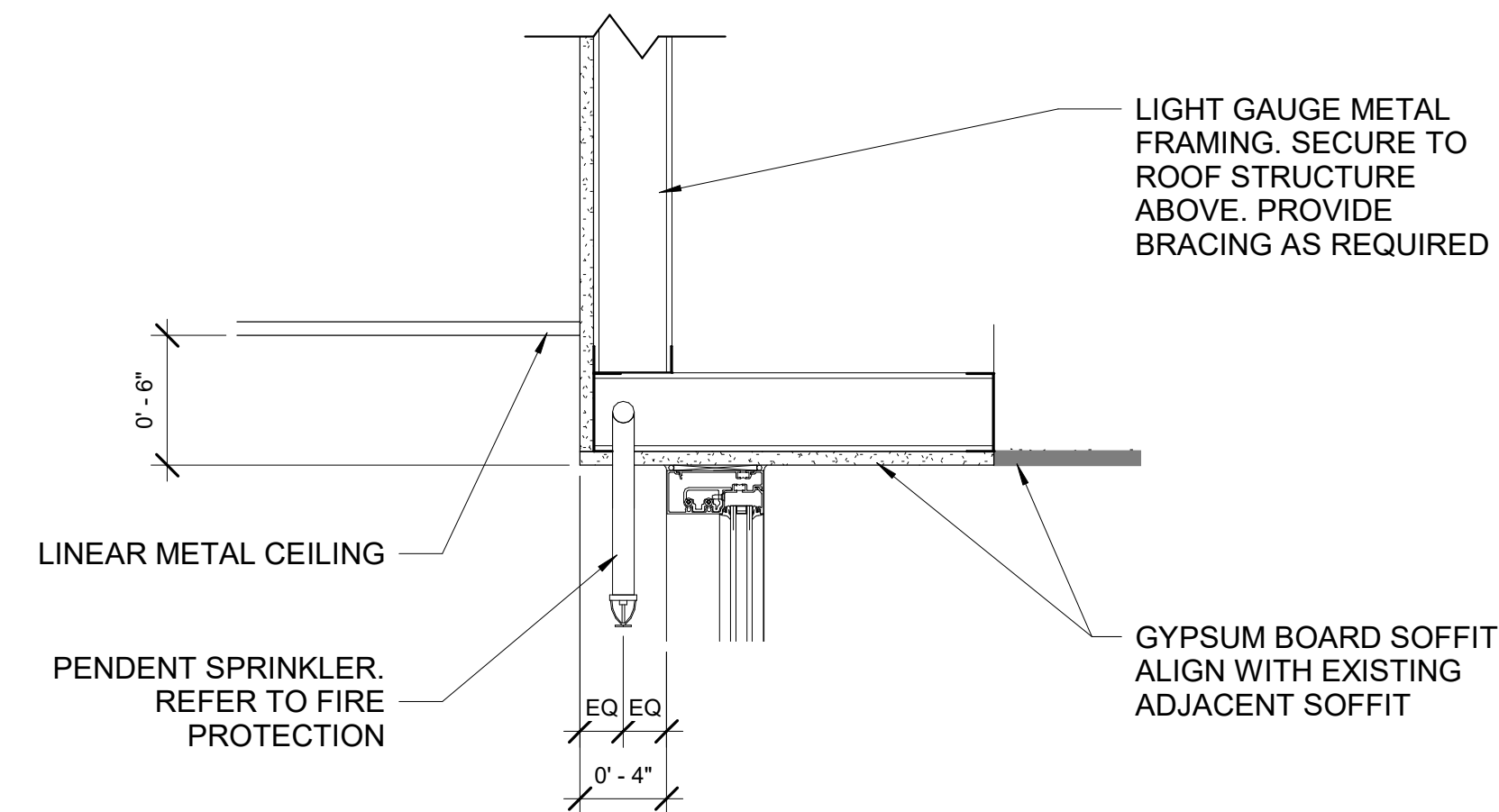
**17 CURTAIN WALL CORNER DETAIL**  
6" = 1'-0"



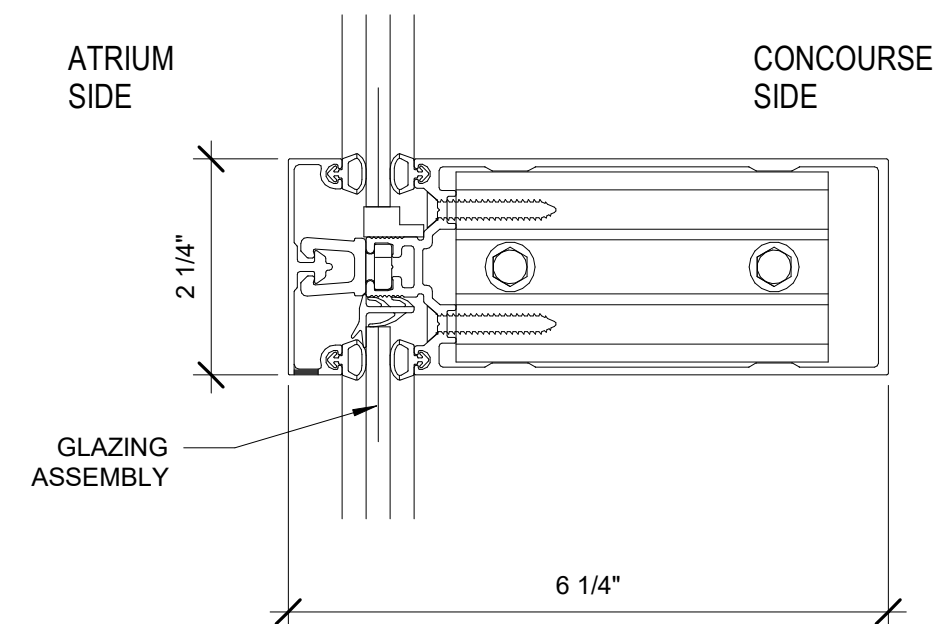
**16 STOREFRONT VERTICAL DETAIL**  
6" = 1'-0"



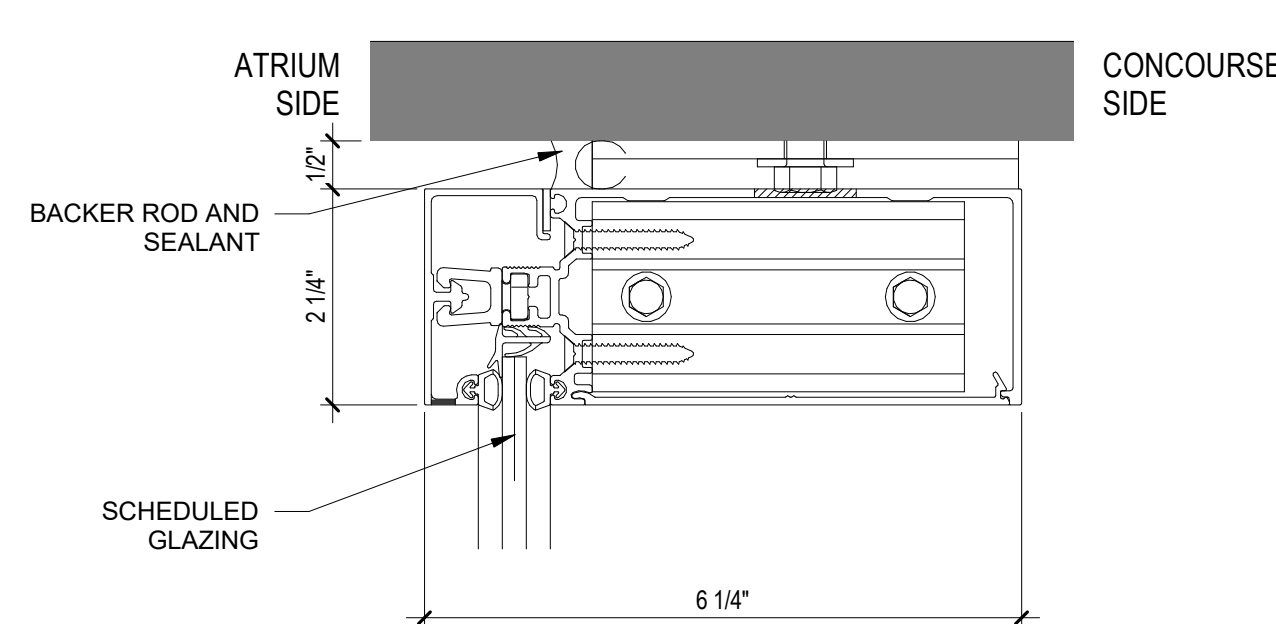
**15 CURTAIN WALL JAMB DETAIL**  
6" = 1'-0"



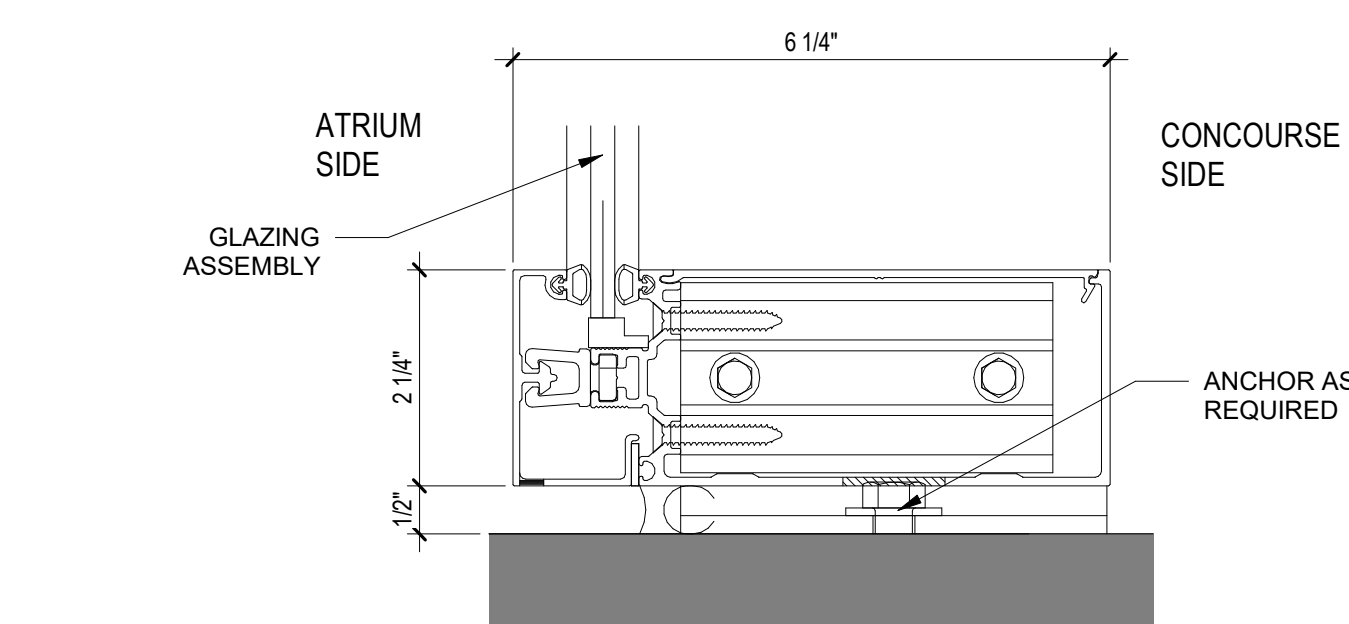
**11 SOFFIT DETAIL**  
1 1/2" = 1'-0"



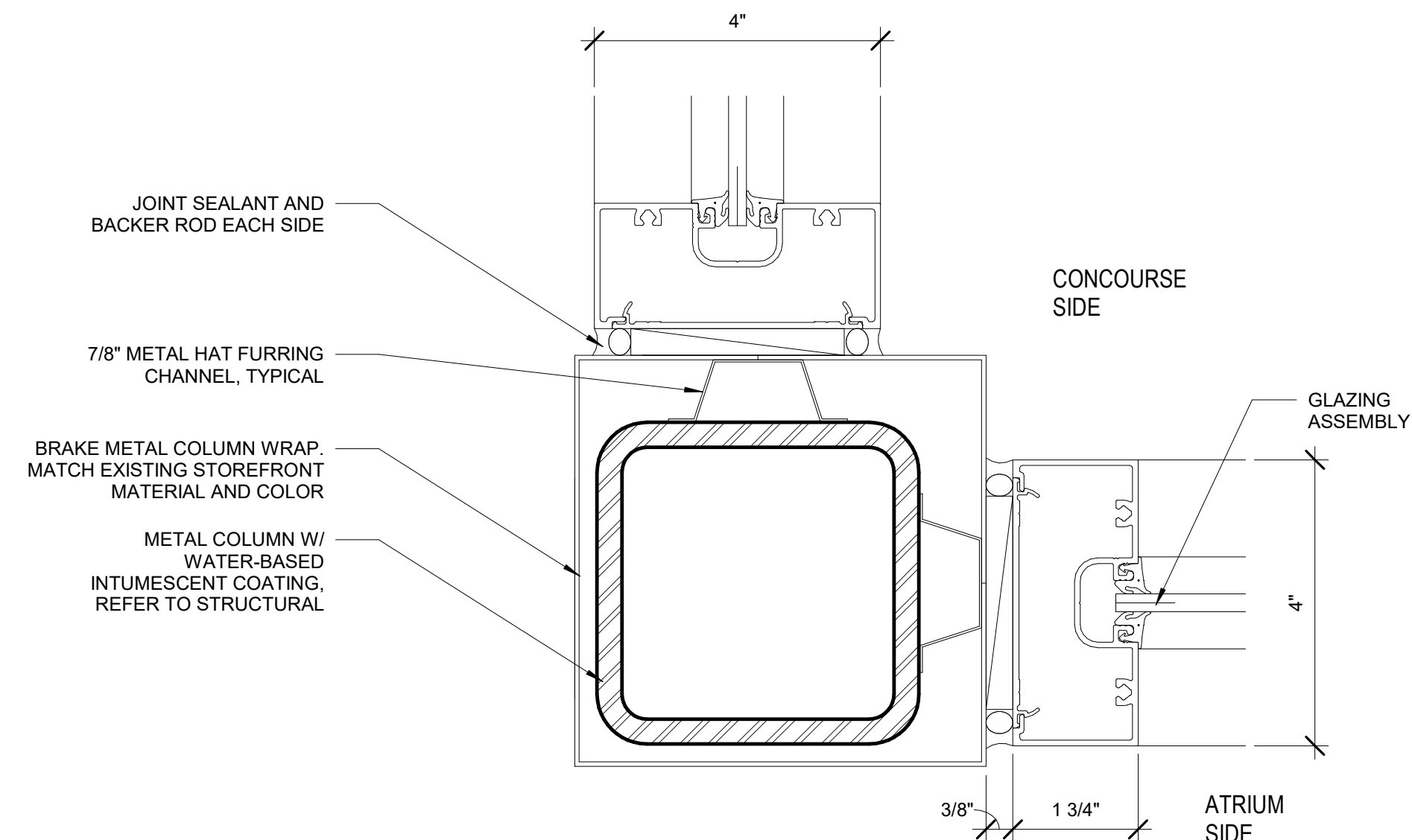
**14 CURTAIN WALL HORIZONTAL DETAIL**  
6" = 1'-0"



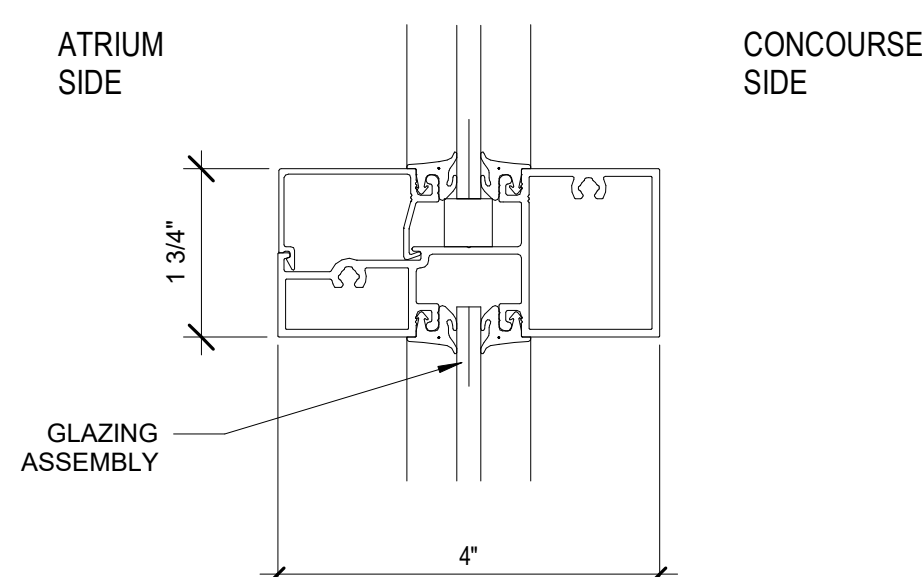
**13 CURTAIN WALL HEAD DETAIL**  
6" = 1'-0"



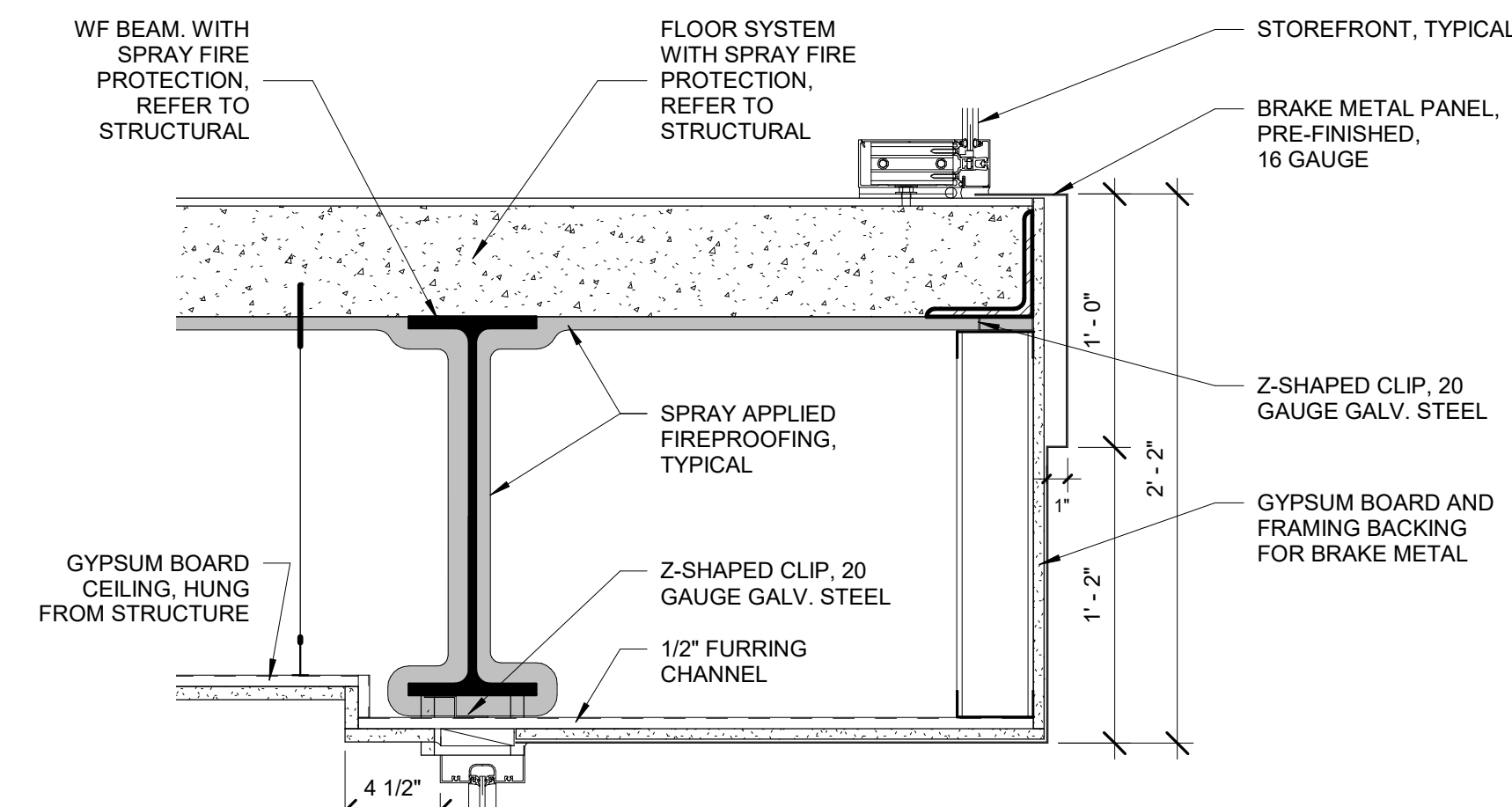
**12 CURTAIN WALL SILL DETAIL**  
6" = 1'-0"



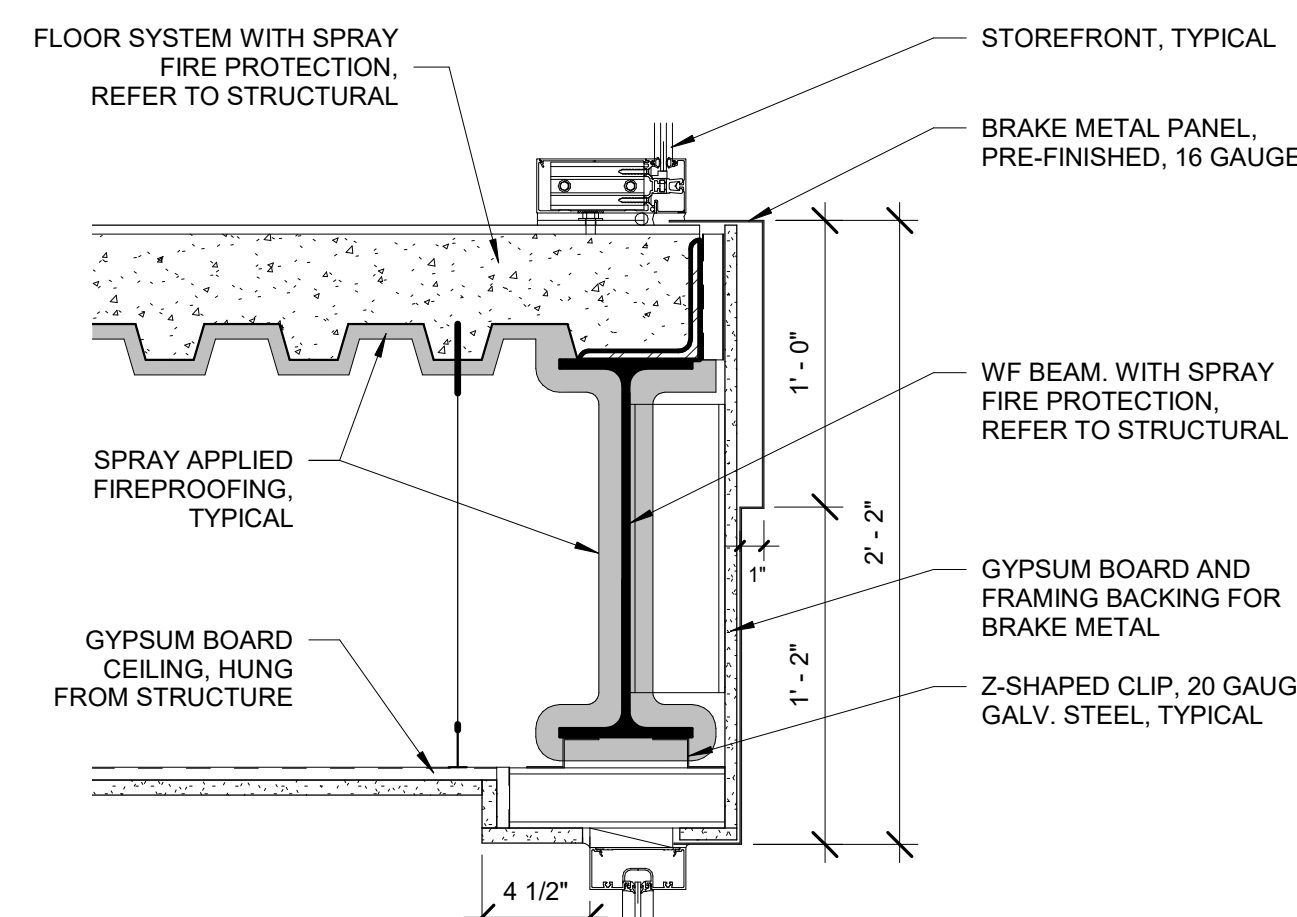
**10 STOREFRONT CORNER DETAIL**  
6" = 1'-0"



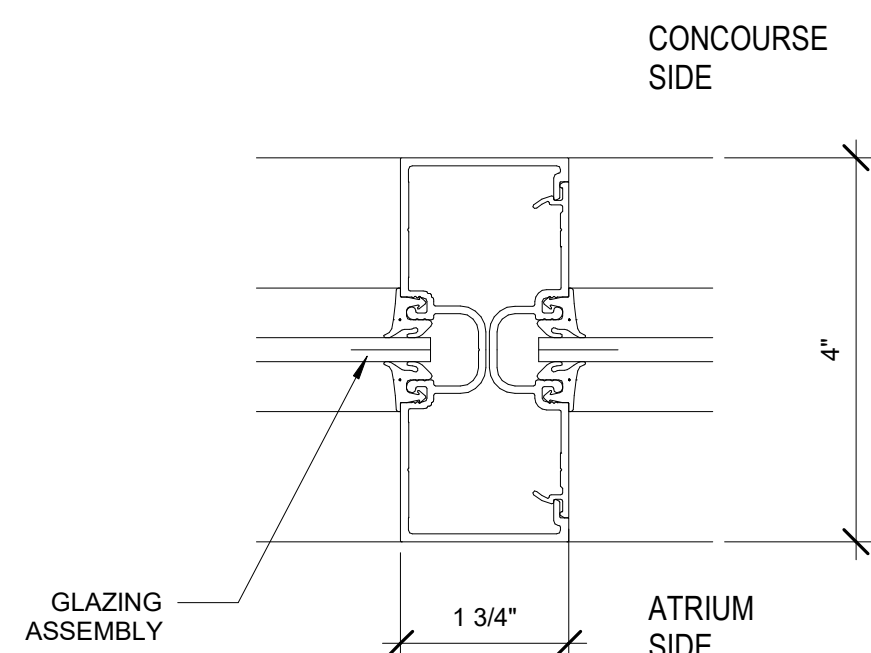
**09 STOREFRONT HORIZONTAL DETAIL**  
6" = 1'-0"



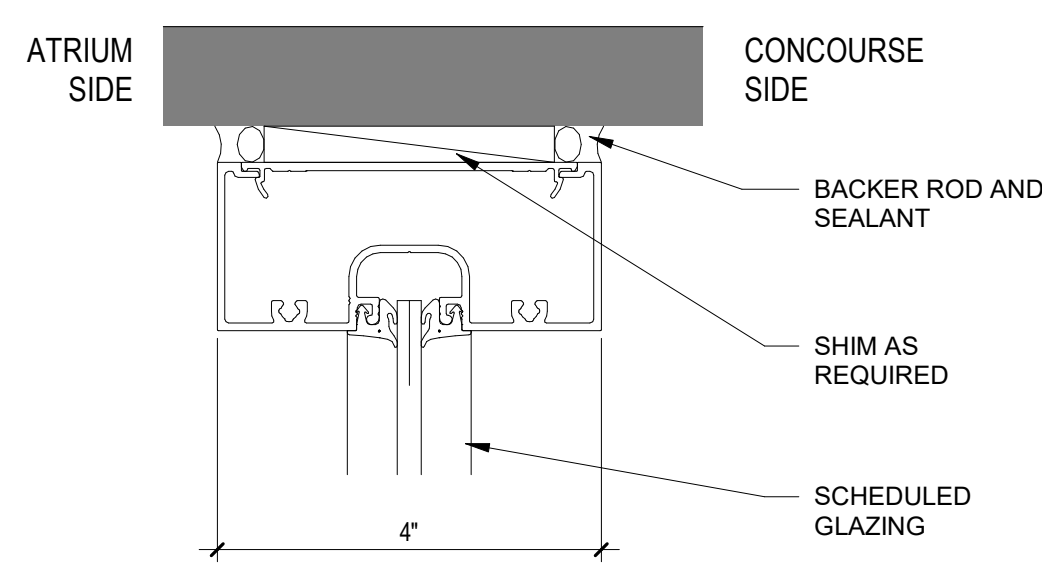
**08 DETAIL**  
1 1/2" = 1'-0"



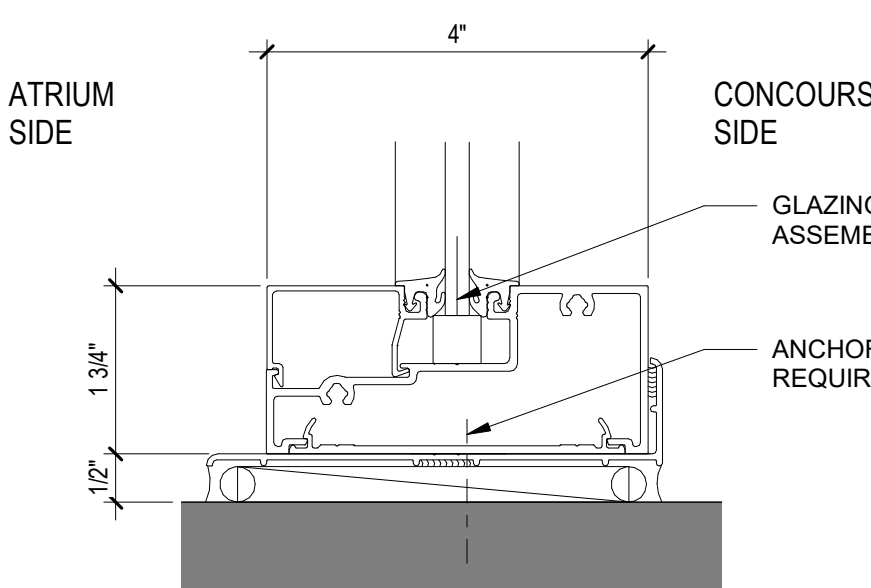
**07 DETAIL**  
1 1/2" = 1'-0"



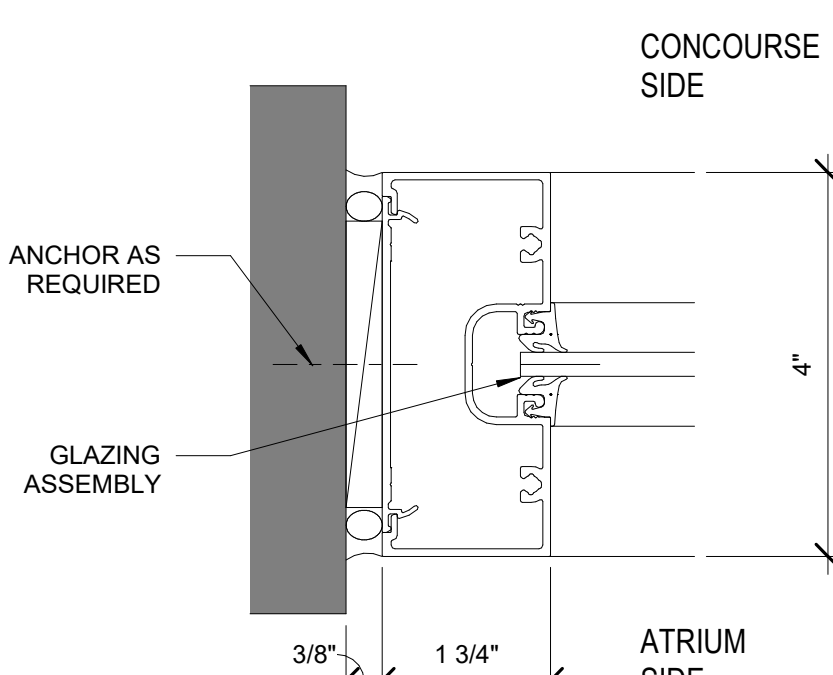
**06 STOREFRONT VERTICAL DETAIL**  
6" = 1'-0"



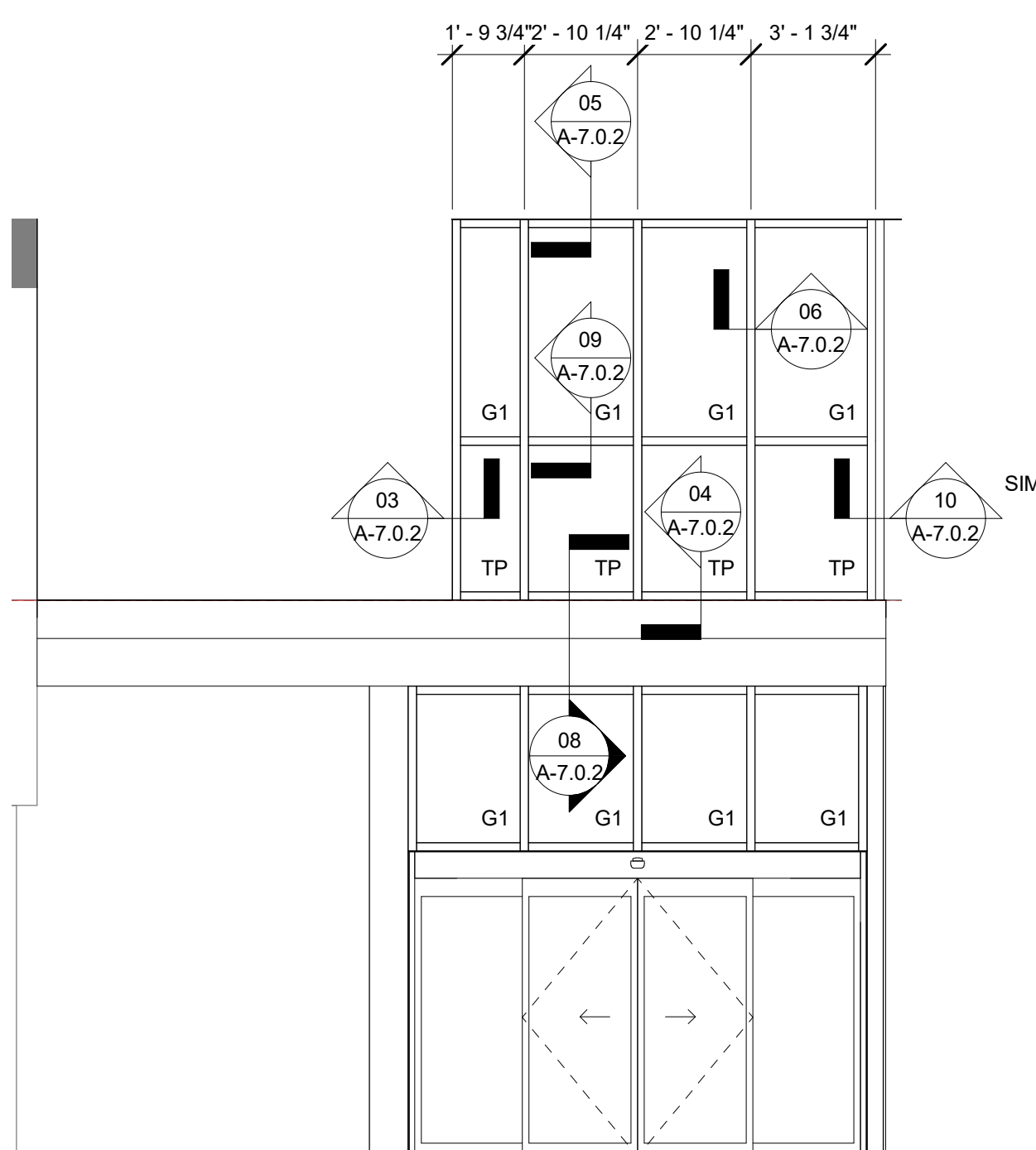
**05 STOREFRONT HEAD DETAIL**  
6" = 1'-0"



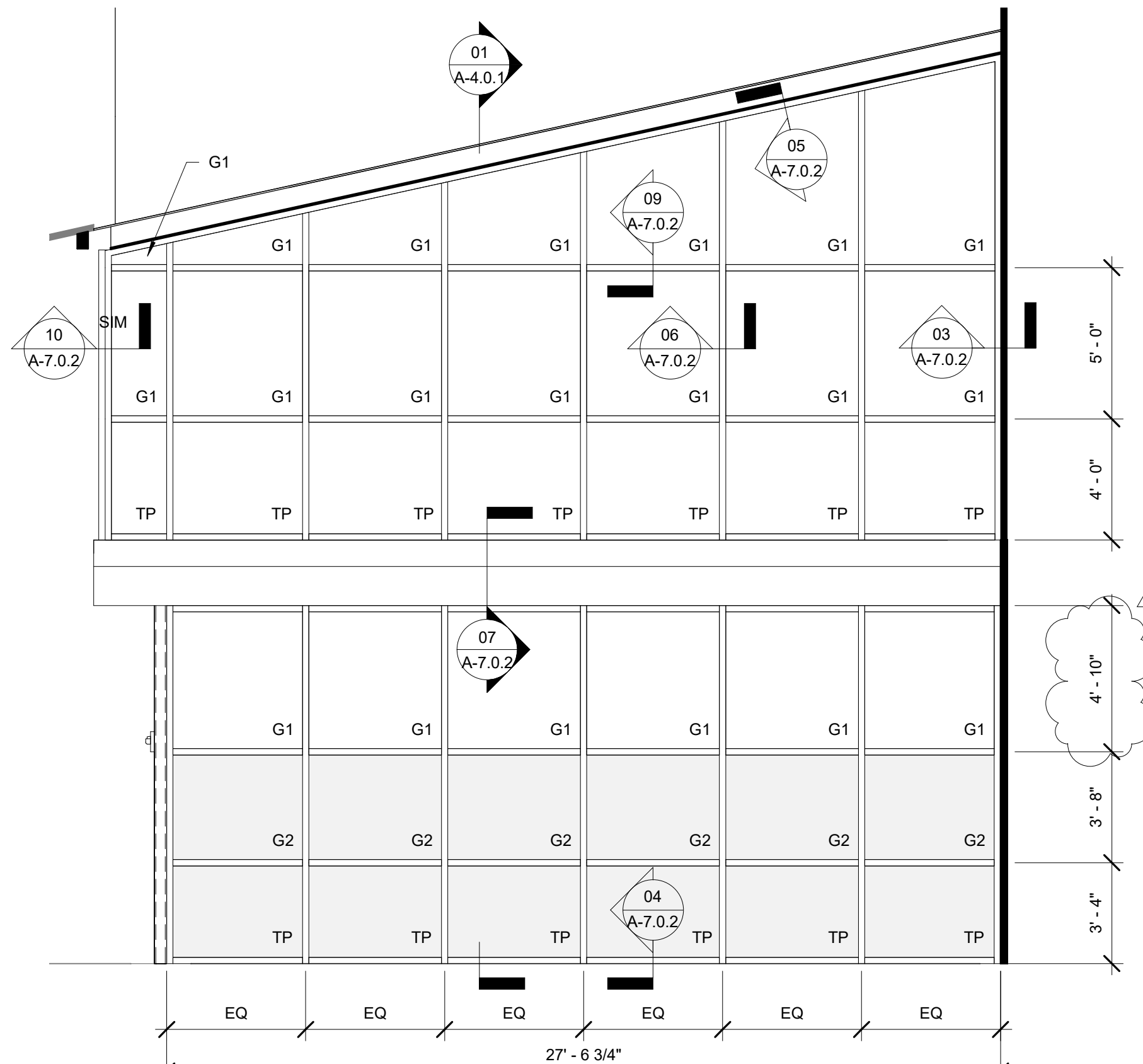
**04 STOREFRONT SILL DETAIL**  
6" = 1'-0"



**03 STOREFRONT JAMB DETAIL**  
6" = 1'-0"



**02 STOREFRONT - WEST**  
1/4" = 1'-0"



**01 STOREFRONT - SOUTH**  
1/4" = 1'-0"

**GLAZING NOTES**

- INTERIOR GLASS: ALL INTERIOR GLAZING TO BE 1/4" THICK TEMPERED GLASS, U.N.O.
- STOREFRONT/ CURTAIN WALL FRAME AND MULLIONS: ALL FRAMES AND MULLIONS TO BE ANODIZED, U.N.O.

**GLAZING TYPES:**

- G1 SINGLE PANE GLASS UNIT, ALL GLAZING U.N.O.  
LITE: CLEAR  
COMMENTS: -
- G2 SINGLE PANE GLASS UNIT WITH FILM  
LITE: CLEAR  
COMMENTS: -
- TP TEMPERED GLAZING



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**FITZGERALD  
COLLABORATIVE**

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1201 W. PEACHTREE ST., SUITE 630  
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850 S. GADSDEN ST., SUITE 140  
TALLAHASSEE, FL 32301

FITZGERALD COLLABORATIVE GROUP, LLC.  
AA26001957



REVISION	NO.	DESCRIPTION	DATE
1	BID DOCUMENT REVISIONS	05/10/2022	
2	ADDENDUM 3	05/17/2022	

**PERMIT  
DOCUMENTS**

CLIENT

**NORTHWEST  
FLORIDA BEACHES  
INTERNATIONAL  
AIRPORT (ECP)**



PROJECT TITLE

**PANAMA CITY AIRPORT NWFBIA:**

**NORTH TERMINAL  
EXPANSION /  
IMPROVEMENTS**

**6300 WEST BAY PKWY,  
PANAMA CITY, FL 32409**

PROJECT NUMBER

**NO. 210211**

ISSUE DATE

**05.10.2022**



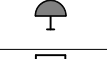


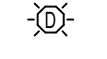

DRAWING TITLE


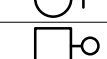

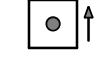
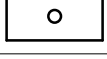
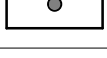
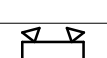




**STOREFRONT  
ELEVATIONS  
AND DETAILS**






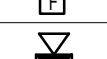

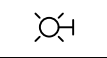
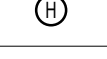

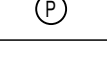



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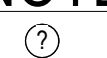
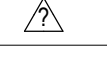
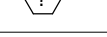
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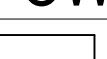
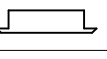

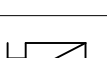
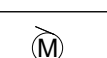
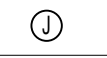
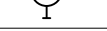



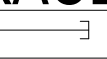
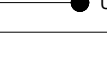

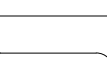

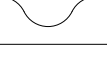


CONTROLS	
S	WALL SWITCH ; 120/277V; 20A; 1 POLE; A.C. ONLY; MT 48" AFF TO CIL
S <sub>3</sub>	WALL SWITCH; 120/277V; 20A; 3 WAY; A.C. ONLY; MT 48" AFF TO CIL; HUBBELL SERIES HBL1223
S <sub>4</sub>	WALL SWITCH; 120/277V; 20A; 4 WAY; A.C. ONLY; MT 48" AFF TO CIL; HUBBELL SERIES HBL1224
Sw	WALL SWITCH; 120/277V; 20A; OCCUPANCY SENSOR DUAL TECHNOLOGY MULTI-WAY TYPE; MT 48" AFF TO CIL; REFER TO SPECS
S <sub>Lx</sub>	LOW VOLTAGE WALL SWITCH; MT 48" AFF TO CIL; REFER TO SPECS; SEE LIGHTING CONTROL DETAILS
	MOTOR CONTROL SWITCH; 120V; 30A; 2 POLE; A.C. ONLY; NEAR OR ON EQUIPMENT BEING SERVED; HUBBELL SERIES HBL78320
	NEMA 3R MOTOR CONTROL SWITCH; 120V; 30A; 2 POLE; A.C. ONLY; NEAR OR ON EQUIPMENT BEING SERVED; HUBBELL SERIES HBL13R220
	RED MUSHROOM PUSH-BUTTON WITH KEY RELEASE; MT. 60" AFF TO CIL LABEL "EMERGENCY STOP", EQUAL TO SQUARE D MODEL XBSA55345B
	OCCUPANCY SENSOR POWER PACK; MOUNT ABOVE CEILING
	OCCUPANCY SENSOR RECEPTACLE POWER PACK; MOUNT ABOVE CEILING
	LOW VOLTAGE VACANCY SENSOR; 360° DUAL-TECHNOLOGY TYPE; CEILING MOUNTED
	LOW VOLTAGE DAYLIGHT SENSOR; 360° DUAL-TECHNOLOGY TYPE; CEILING MOUNTED

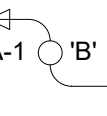
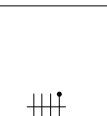
LIGHTING	
	CEILING FIXTURE
	WALL BRACKET FIXTURE
	POLE MOUNTED FIXTURE
	2' X 2' TROFFER FIXTURE; ARROW INDICATES LAMP DIRECTION; SEE SCHEDULE FOR MOUNT TYPE
	2' X 2' TROFFER FIXTURE WITH SELF CONTAINED EMERGENCY BALLAST; ARROW INDICATES LAMP DIRECTION; SEE SCHEDULE FOR MOUNT TYPE
	TROFFER FIXTURE; SEE SCHEDULE FOR MOUNT TYPE
	TROFFER FIXTURE WITH SELF CONTAINED EMERGENCY BALLAST; SEE SCHEDULE FOR MOUNT TYPE
	STRIP FIXTURE; SHADING INDICATES EMERGENCY BALLAST
	TWIN HEAD EMERGENCY BATTERY UNIT
	EXIT SIGN; CEILING MOUNTED; ARROWS AS NOTED; SHADED SECTION INDICATES LIGHTED FACE OF EXIT SIGN
	EXIT SIGN; BACK MOUNTED; ARROWS AS NOTED; SHADED SECTION INDICATES LIGHTED FACE OF EXIT SIGN

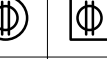
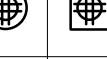
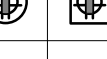
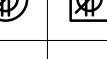
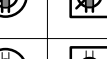
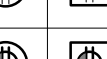

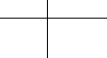



MISCELLANEOUS SYSTEMS	
	TELEPHONE WALL OUTLET WITH MODULAR JACK AND COVERPLATE; MT 18" AFF TO CIL UNLESS NOTED OTHERWISE - INSTALL 3/4" WITH PULLRIBBON UP INTO CEILING SPACE.
	DATA SYSTEM WALL OUTLET WITH TWO(2) RJ-45 JACKS AND COVERPLATE; MT 18" AFF TO CIL UNLESS NOTED OTHERWISE - INSTALL 3/4" WITH PULLRIBBON UP INTO CABLE TRAY RACEWAY OR ATTIC WHERE APPLICABLE. ALL CONDUIT SHALL BE CONCEALED.
	DATA SYSTEM FLOOR OUTLET WITH TWO(2) RJ-45 JACKS AND COVERPLATE; HUBBELL SERIES B-2336; AND S-3625 COVER WITH CARPET FLANGE - INSTALL 3/4" WITH PULLRIBBON UP INTO CABLE TRAY RACEWAY OR ATTIC WHERE APPLICABLE. ALL CONDUIT SHALL BE CONCEALED.
	DATA SYSTEM CEILING OUTLET WITH TWO RJ-45 JACKS AND COVERPLATE.
	FIRE ALARM SYSTEM MANUAL PULL STATION; MT 48" AFF TO CIL
	FIRE ALARM SYSTEM SIGNAL SPEAKER/STROBE; MT 80" AFF TO BOTTOM; '110' INDICATES CANDELA RATING, NO NUMBER INDICATES 75 CANDELA MINIMUM
	FIRE ALARM SYSTEM EXTERIOR, WEATHERPROOF SIGNAL SPEAKER; MT 90" AFF TO BOTTOM
	FIRE ALARM SYSTEM STROBE; MT 80" AFF TO BOTTOM; '110' INDICATES CANDELA RATING, NO NUMBER INDICATES 75 CANDELA MINIMUM
	FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR; 135 DEGREE/RATE OF RISE TYPE; CEILING MOUNTED
	FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR; CEILING MOUNTED
	FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR
	PHOTOCELL; TORK MODEL 2101 (120V) OR 2104 (277V)
	DIGITAL TIME SWITCH WITH RESERVE POWER; REFER TO LIGHTING CONTROL DIAGRAM FOR TYPE
	SECURITY CAMERA; PROVIDE JUNCTION BOX AND 3/4" CONDUIT WITH PULL RIBBON TO ATTIC SPACE FOR SECURITY CAMERA. COORDINATE WITH SECURITY CONTRACTOR.

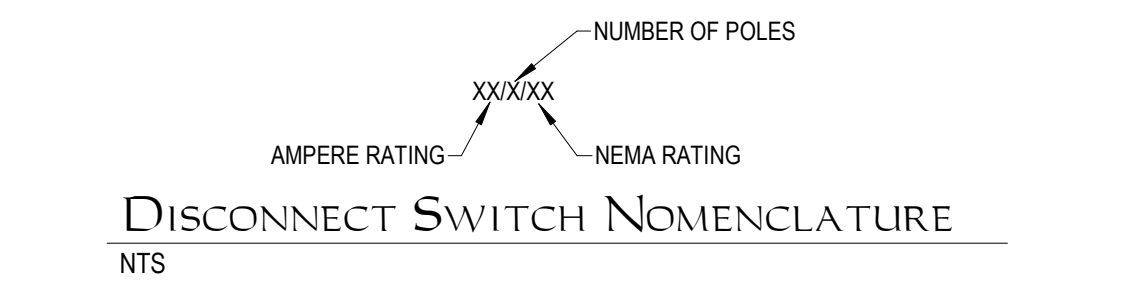
NOTE DESIGNATIONS	
	KEY NOTE REFERENCE
	DEMO NOTE REFERENCE
	FEEDER OR PARTS REFERENCE. SEE SCHEDULE

POWER DISTRIBUTION	
	SURFACE MOUNTED PANELBOARD; 120/208V; MT 72" AFF TO TOP
	FLUSH MOUNTED PANELBOARD; 120/208V; MT 72" AFF TO TOP
	DRY TYPE TRANSFORMER; SIZE AND RATING AS NOTED
	DISCONNECT SWITCH; AMP SIZE AS NOTED;
	FUSED DISCONNECT SWITCH; AMP SIZE AS NOTED; FUSE SIZE PER EQUIPMENT NAMEPLATE DATA
	MOTOR; FURNISHED BY OTHERS
	JUNCTION BOX; MOUNTED ABOVE CEILING
	JUNCTION BOX; MOUNTED FLUSH IN WALL WITH BLANK COVER

RACEWAYS	
	CONDUIT CAP
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	RACEWAY INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING
	RACEWAY INSTALLED CONCEALED IN FLOOR SLAB AND/OR BELOW GRADE
	RACEWAY INSTALLED EXPOSED
	FLEXIBLE CONDUIT CONNECTION
	CONDUIT STUB UP WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT

WIRE DESIGNATIONS	
	A-1 ADJACENT TO ARROW INDICATES HOMERUN OF CIRCUIT NO. 1 TO PANEL A; "B" INDICATES FIXTURE TYPE. MARKS ACCROSS RACEWAY RUN INDICATES THE NUMBER OF NO. 12 CONDUCTORS; UNLESS NOTED OTHERWISE NO MARKS INDICATES TWO NO. 12 CONDUCTORS AND ONE NO. 12 GREEN GROUND CONDUCTOR IN 1/2" CONDUIT (2#12 & 1#12 GND-1/2")
	TICK MARKS REPRESENT WIRE COUNT AS INDICATED. EACH TICK MARK REPRESENTS 1 PHASE CONDUCTOR AND/OR GROUNDED (NEUTRAL) CONDUCTOR. DOTTED TICK MARK REPRESENTS EQUIPMENT GROUNDING CONDUCTOR, UNLESS NOTED OTHERWISE, NO MARKS INDICATES TWO NO. 12 CONDUCTORS AND ONE NO. 12 GREEN GROUND CONDUCTOR IN 1/2" CONDUIT (2 #12 & 1#12 GND-1/2")


RECEPTACLES	
CLG	FLOOR WALL
	DUPLX RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES HBL5352
	QUAD - 2 DUPLX RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES HBL5352
	DUPLX GFCI RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES GF5362
	TAMPER-RESISTANT DUPLX RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES BR20xTR
	SPD DUPLX RECEPTACLE, 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES HBL5362SA
	HALF-CONTROLLED RECEPTACLE; 125V, 20A; NEMA 5-20R; HUBBELL SERIES BR20C1
	HALF-CONTROLLED QUAD - 2 DUPLX RECEPTACLE; 125 V, 20 A; NEMA 5-20R; HUBBELL SERIES HBL5352
	SPECIAL TYPE RECEPTACLE "X" DENOTES NEMA TYPE A = 250V, 30A, 2P, 2W, NEMA L6-30R; HUBBELL SERIES HBL2620
DESIGNATIONS	
	LETTER "U" ADJACENT TO SYMBOL INDICATES RECEPTACLE WITH TWO TYPE A USB PORTS, EQUAL TO HUBBELL #USB20AGY.
	LETTERS "WP" ADJACENT TO SYMBOL INDICATES RECEPTACLE WITH WEATHERPROOF COVER, PASS AND SEYMOUR WUFC105 COVERBOX.
	LETTERS "XX" ADJACENT TO SYMBOL INDICATES RECEPTACLE MOUNTING HEIGHT. WHEN NO HEIGHT IS INDICATED, MOUNT 18" AFF. *AC" = ABOVE COUNTER *DP" = VERIFY HEIGHT FOR DRINKING FOUNTAIN WITH CONTRACTOR *TV" = VERIFY HEIGHT OF TV WITH OWNER.



GENERAL NOTES	
A.	CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
B.	RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.
C.	VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN WALL FOR SWITCHES.
D.	LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
E.	FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
F.	ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
G.	ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
H.	PROVIDE GREEN GROUND CONDUCTOR IN ALL CIRCUITS - SIZE PER N.E.C.
I.	ALL EXPOSED CONDUITS, BOXES, STRAPS AND HANGERS IN THE CONTRACT AREA WHETHER NEW OR EXISTING THAT ARE PART OF THE ELECTRICAL SYSTEM SHALL BE PAINTED TO MATCH ADJACENT FINISH.
J.	PROVIDE CONCRETE MARKER AT END OF ALL CONDUITS STUBBED OUT OF BUILDING FOR FUTURE USE. MARKER SHALL BE 6" DIA X 18" HIGH WITH 2" ABOVE FINISHED GRADE. INSCRIBE IN TOP OF MARKER "E" FOR ELECTRICAL, "T" FOR TELEPHONE, "V" FOR TV CABLE, "F" FOR FIRE ALARM, AND "I" FOR INTERCOM.
K.	GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
L.	THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
M.	FIRE ALARM LOW VOLTAGE SOURCE AND BATTERY STANDBY SHALL ENERGIZE ALL ITEMS IN FIRE ALARM SYSTEM THAT REQUIRE POWER.
N.	VERIFY EXACT LOCATION OF ALL FLOOR OUTLETS WITH THE ARCHITECT PRIOR TO ROUGHING-IN.
O.	FINAL CONNECTION TO ALL DRY TYPE TRANSFORMERS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
P.	THE ELECTRICAL CONTRACTOR SHALL PROVIDE FAULT CURRENT CALCULATIONS FOR THE SERVICE EQUIPMENT AND SHALL MARK THE EQUIPMENT WITH CURRENT AVAILABLE FAULT CURRENT AND DATE OF THE CALCULATION PER NEC 110.24. REFER TO TYPICAL SERVICE EQUIPMENT FAULT CURRENT LABEL DETAIL.
Q.	THE ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FAULT LABELS PER NFPA 70E ARTICLE 110.16 FOR NEW EQUIPMENT. THE OWNER SHALL PROVIDE AVAILABLE CALCULATION DATA FOR THE EXISTING EQUIPMENT IN THE ELECTRICAL SYSTEM. REFER TO TYPICAL ARC FLASH HAZARD LABEL DETAIL.
R.	PROVIDE NEUTRAL AT ALL LINE VOLTAGE SWITCH LOCATIONS PER N.E.C. 404.2(C).

ABBREVIATIONS	
1P	- ONE POLE
2P	- TWO POLE
3P	- THREE POLE
4P	- FOUR POLE
A	- AMPERE
AC	- ALTERNATING CURRENT
AFF	- ABOVE FINISHED FLOOR
AFG	- ABOVE FINISHED FLOOR
AHU	- AIR HANDLING UNIT
AIC	- AMPERE INTERRUPTING CAPACITY
AL	- ALUMINUM
ARCH	- ARCHITECT
AWG	- AMERICAN WIRE GAUGE
BLDG	- BUILDING
C	- CONDUIT
CB	- CIRCUIT BREAKER
CKT	- CIRCUIT
C.T.	- CURRENT TRANSFORMER
CU	- COPPER
DC	- DIRECT CURRENT
DISC	- DISCONNECT
DN	- DOWN
DWG	- DRAWING
EC	- ELECTRICAL CONTRACTOR
EF	- EXHAUST FAN
ELEC	- ELECTRICAL
EW	- ELECTRIC WATER COOLER
FA	- FIRE ALARM
FLA	- FULL LOAD AMPS
FLEX	- FLEXIBLE
FURN	- FURNITURE
GC	- GENERAL CONTRACTOR
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER
GND	- GROUNDED
HP	- HORSEPOWER
HVAC	- HEATING, VENTILATION AND AIR CONDITIONING
HZ	- HERTZ (CYCLE) PER SECOND
JB	- JUNCTION BOX
KMIL	- THOUSAND CIRCULAR MILS
KVA	- KILOVOLT AMPERE
KW	- KILOWATT
LTG	- LIGHTING
LV	- LOW VOLTAGE
MCB	- MAIN CIRCUIT BREAKER
MLD	- MAIN LUGS ONLY
MTD	- MOUNTED
MTG	- MOUNTING
NEC	- NATIONAL ELECTRICAL CODE
PH	- PHASE
PNL	- PANELBOARD
PRI	- PRIMARY
RTU	- ROOF TOP UNIT
SEC	- SECONDARY
U	- USB RECEPTACLE
SW	- SWITCH
UG	- UNDERGROUND
V	- VOLT
W	- WATT
XFMR	- TRANSFORMER
*72	- MOUNTING HEIGHT IN INCHES TO CENTERLINE ABOVE FINISHED FLOOR OR GRADE

SHEET INDEX	
SHEET NUMBER	SHEET NAME
E-001	LEGEND AND NOTES
E-101	DEMOLITION ELECTRICAL PLAN - FIRST FLOOR
E-102	DEMOLITION ELECTRICAL PLAN - SECOND FLOOR
E-201	NEW LIGHTING PLAN - FIRST FLOOR
E-202	NEW POWER PLAN - SECOND FLOOR
E-203	NEW LIGHTING PLAN- SECOND FLOOR
E-204	NEW HVAC POWER PLAN - SECOND FLOOR
E-205	NEW FIRE ALARM PLAN - SECOND FLOOR
E-301	LIGHTING FIXTURE SCHEDULE AND CONTROLS
E-401	ELECTRICAL DETAILS
E-501	PANEL SCHEDULES



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PROJECT NO: 2186  
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3	ADDENDUM #3	5/17/2022

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FLORIDA BEACHES  
INTERNATIONAL  
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

## NORTH TERMINAL EXPANSION / IMPROVEMENTS

6300 W BAY PKWY,  
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

03.25.2022

DRAWING TITLE

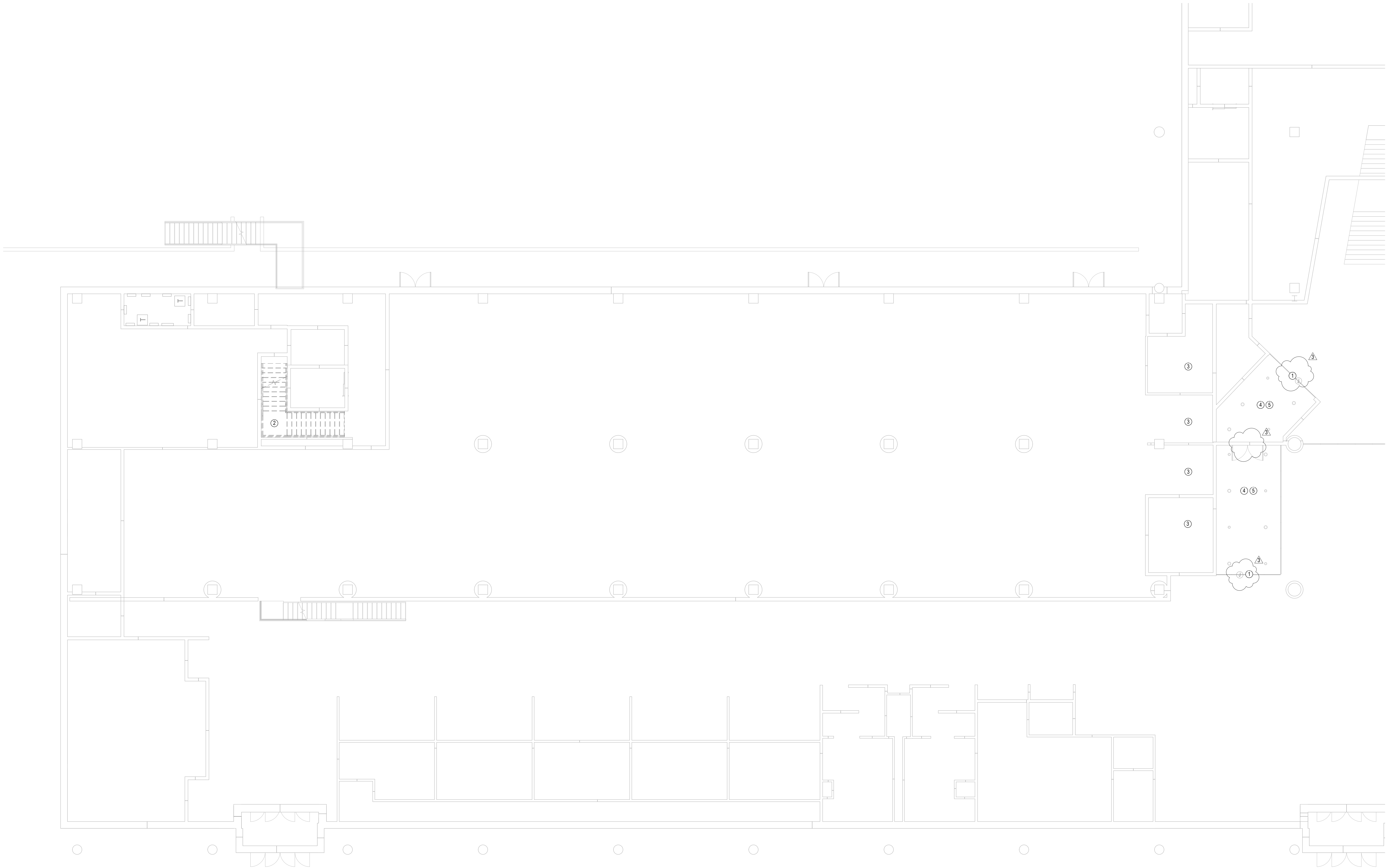
## LEGEND AND NOTES

SHEET NUMBER

# E-001



2022-05-17 2:46:57 PM BM 5860/210211 - NPBA North Terminal Renovations - Task #2 (2021)/2186 - ECP North Terminal Renovations Task 2/ELECTRICAL.rvt



DEMO ELECTRICAL PLAN - FIRST FLOOR  
1/8" = 1'-0"

KEYNOTES	
KEY VALUE	KEYNOTE TEXT
1	TEMPORARILY REMOVE AND REPLACE POWER TO DOORS. RECONNECT TO PROVIDE FULLY OPERATIONAL SYSTEM.
2	REFER TO 'SECOND FLOOR DEMO PLAN - ELECTRICAL' FOR DEMO WORK IN THIS AREA.
3	COORDINATE EXTENTS OF DEMOLITION WORK TO BE DONE IN THIS AREA WITH GENERAL CONTRACTOR. TEMPORARILY REMOVE AND REPLACE ELECTRICAL DEVICES AND PROVISIONS AS NEEDED UNLESS OTHERWISE NOTED.
4	TEMPORARILY REMOVE AND REPLACE EXISTING LIGHTING IN EXIT LANE. COORDINATE REMOVAL AND RECONNECTION WITH GENERAL CONTRACTOR.
5	TEMPORARILY REMOVE AND REPLACE EXISTING ALL ELECTRICAL DEVICES, FIRE ALARM DEVICES AND LIGHTING CONTROLS DEVICES. COORDINATE REMOVAL AND RECONNECTION WITH GENERAL CONTRACTOR.



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FLORIDA BEACHES  
INTERNATIONAL  
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBA:

**NORTH TERMINAL  
EXPANSION /  
IMPROVEMENTS**

6300 W BAY PKWY,  
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

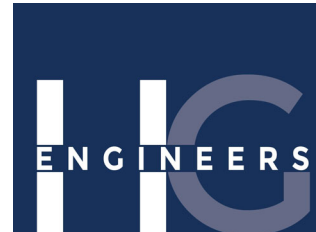
03.25.2022

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**DEMOLITION  
ELECTRICAL  
PLAN - FIRST  
FLOOR**

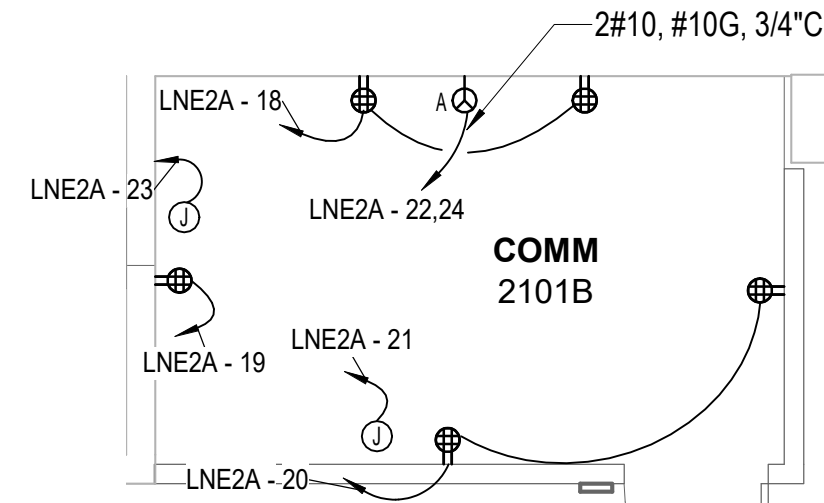
SHEET NUMBER

**E-101**

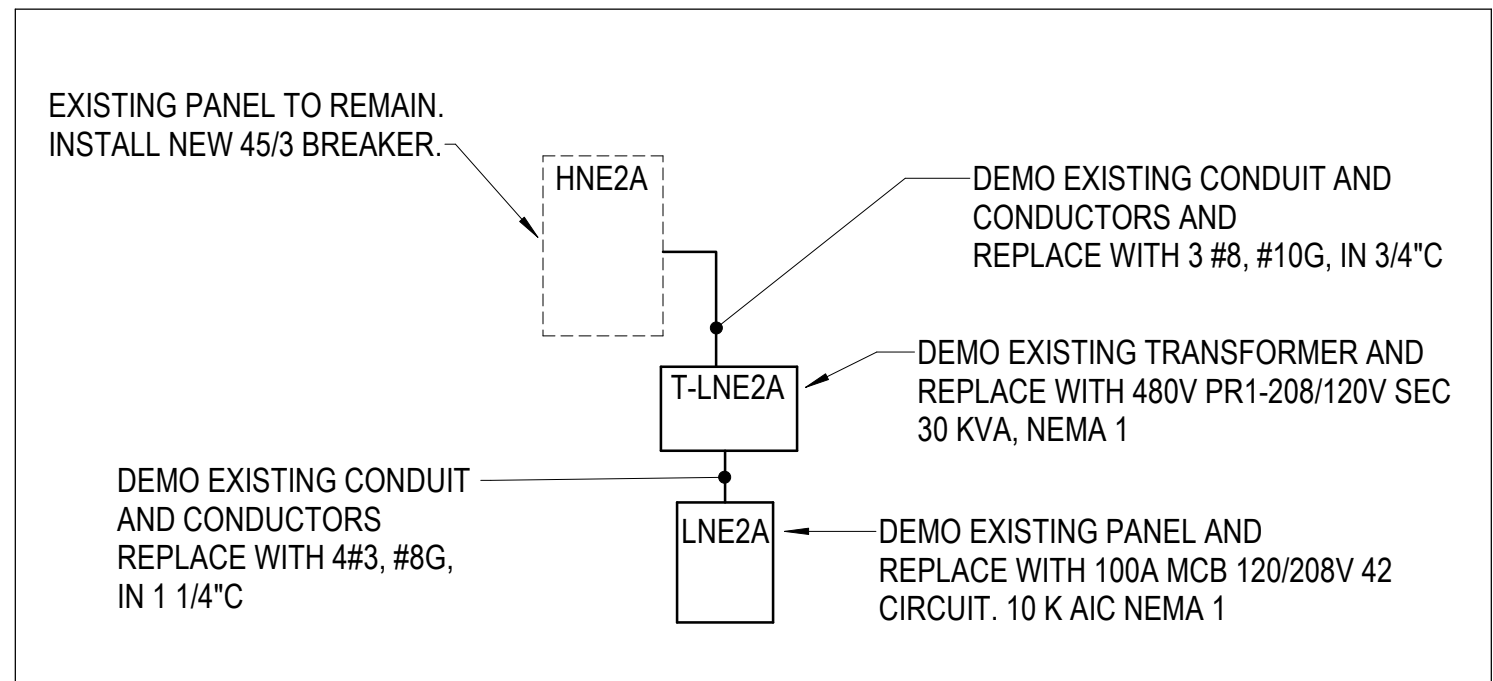


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Caleb W. Leonard, FL PE No. 91782

2022-05-17 2:30:17 PM BM 360/210211 - NFBIA North Terminal Renovations - Task #2 (2021)2188 - ECP North Terminal Renovations Task 2ELECTRICAL.rvt

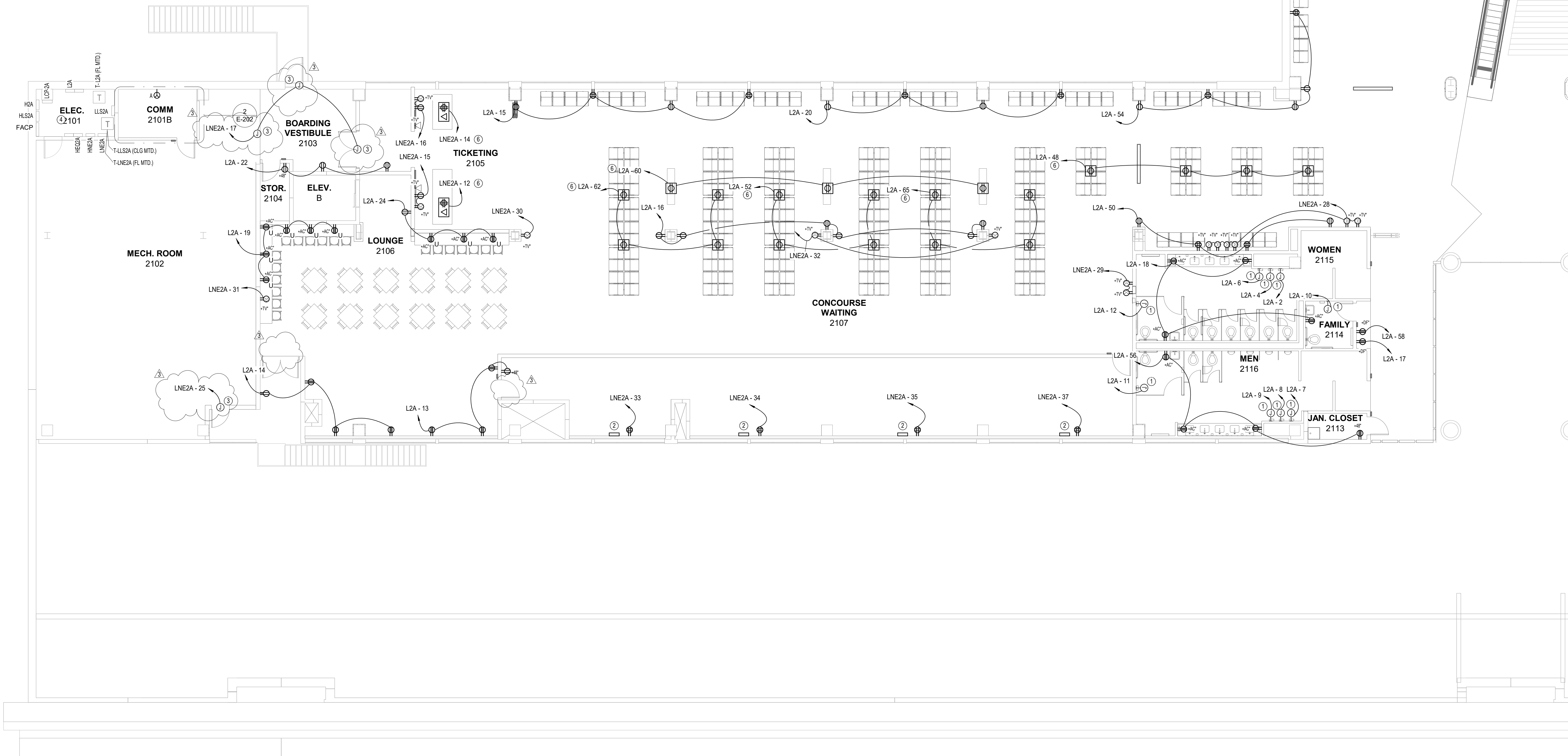


ENLARGED COMM ROOM  
1/4" = 1'-0"

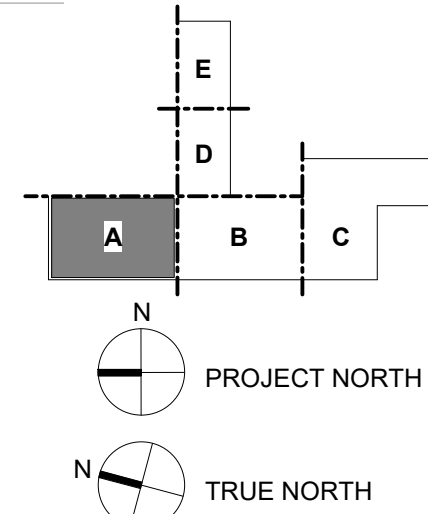



PARTIAL POWER LINE RISER  
NTS

FLOOR BOX NOTES:  
1. POWER ONLY FLOOR BOX SHALL BE FIRE RATED POKE-THRU EQUAL TO HUBBELL #S1PTAL WITH ALUMINUM COVER PLATE. PROVIDE TWO HUBBELL DUPLEX DECORA RECEPTACLES.  
2. POWER/DATA FLOOR BOX SHALL BE FIRE RATED POKE-THRU EQUAL TO HUBBELL #S1R6PTACEHALU WITH ALUMINUM COVER AND 4-20A PRE-WIRED RECEPTACLES.  
3. COORDINATE AND PROVIDE CORE DRILLING FOR POKE-THRU DEVICES AS REQUIRED.



NEW POWER PLAN - SECOND FLOOR  
1/8" = 1'-0"





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Caleb W. Leonard, FL. PE No. 91782

KEYNOTES	
KEY VALUE	KEYNOTE TEXT
1	JUNCTION BOX FOR ELECTRIC HAND DRYER.
2	INSTALL TWO (2) 2" CONDUIT WITH PULL STRING BACK TO ELEC RM 2100 FOR FUTURE CONCESSION EXPANSION. STUB UP CONDUIT AND CAP.
3	JUNCTION BOX FOR DOOR ACCESS CONTROL. PROVIDE 120V POWER AND AN ADDITIONAL 1" CONDUIT WITH PULLSTRING UP INTO ACCESSIBLE CEILING SPACE FOR CONTROLS. COORDINATE REQUIREMENTS, INCLUDING CONDUIT ROUGH-IN WITH ACCESS CONTROL CONTRACTOR.
4	ALL ELECTRICAL PANELBOARDS AND EQUIPMENT IN THIS ROOM ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
5	EXISTING ELECTRICAL DEVICE TO REMAIN.
6	FOR POKE-THRU DEVICES, ROUTE CONDUITS ABOVE FIRST FLOOR CEILING SPACE BACK TO ELECTRIC ROOM. COORDINATE TEMPORARY REMOVAL AND REPLACEMENT OF SUSPENDED CEILING AS REQUIRED.



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FLORIDA BEACHES  
INTERNATIONAL  
AIRPORT (ECP)**



PROJECT TITLE

PANAMA CITY AIRPORT NWFBI:

**NORTH TERMINAL  
EXPANSION /  
IMPROVEMENTS**

6300 W BAY PKWY,  
PANAMA CITY, FL 32409

PROJECT NUMBER

NO. 210211

ISSUE DATE

03.25.2022

DRAWING TITLE

**NEW POWER  
PLAN -  
SECOND  
FLOOR**

SHEET NUMBER

**E-202**



## EXISTING POWER PANEL

H2A

MAIN 225 A MLO  
SYSTEM 480Y/277V 3P 4W  
OPTIONS BOLT ON BREAKERS

A.I.C. RATING 22 KVA  
NEMA NEMA 1

LOCATION ELEC. 2101  
MOUNTING Surface

LOAD PER PHASE

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	LTG	20 A	1	1300 VA	180 VA					1	20 A	LTG - FUTURE CONCESSION SPACE	2
3	LTG	20 A	1			1000 VA	1860 VA			1	20 A	LTG - CONCOURSE, TICKETING, BOARDING, LOUNGE	4
5	LTG	20 A	1					1500 VA	248 VA	1	20 A	LTG-GENERAL MEN 2116	6
7	LTG	20 A	1	2100 VA	2500 VA					1	20 A	LTG	8
9	LTG	20 A	1			600 VA	2000 VA			1	20 A	LTG	10
11	LTG	20 A	1					600 VA	0 VA	1	20 A	SPARE	12
13	LTG - STORAGE RM 2104	20 A	1	30 VA	0 VA					1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	20
21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31				0 VA	0 VA					1	20 A	SPARE	32
33	T-L2A	110 A	3			0 VA	0 VA			1	20 A	SPARE	34
35								0 VA	0 VA	1	20 A	SPARE	36
37				0 VA	0 VA					1	20 A	SPARE	38
39	TVSS	30 A	3			0 VA	0 VA			3	20 A	SPARE	40
41								0 VA	0 VA				42
POWER/PHASE				6110 VA		5460 VA		2348 VA					
AMPS/PHASE				24 A		21 A		8 A					
LOAD CLASS				CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD		TOTALS			
Lighting - General				229 VA		100.00%		229 VA		CONNECTED POWER 13918 VA			
Other				0 VA		0.00%		0 VA		DEMAND POWER 13918 VA			
Spare				1600 VA		100.00%		1600 VA		CONNECTED AMPS 17 A			
LTG-GENERAL				2089 VA		100.00%		2089 VA		DEMAND AMPS 17 A			
NOTES:													

## EXISTING POWER PANEL

L2A

MAIN 225 A MCB

SYSTEM 208Y/120V 3P 4W

OPTIONS BOLT ON BREAKERS; TWO EQUAL SECTIONS

A.I.C. RATING 10kA

NEMA NEMA 1

LOCATION ELEC. 2101

MOUNTING Surface

LOAD PER PHASE

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				0 VA	1500 VA					1	20 A	HAND DRYER	2
3	TVSS	30 A	3			0 VA	1500 VA			1	20 A	HAND DRYER	4
5								0 VA	1500 VA	1	20 A	HAND DRYER	6
7	HAND DRYER	20 A	1	1500 VA	1500 VA					1	20 A	HAND DRYER	8
9	HAND DRYER	20 A	1			1500 VA	1500 VA			1	20 A	HAND DRYER	10
11	HAND DRYER	20 A	1					1500 VA	1500 VA	1	20 A	HAND DRYER	12
13	REC-LOUNGE	20 A	1	720 VA	720 VA					1	20 A	REC-LOUNGE	14
15	REC- CONCOURSE WAITING AREA	20 A	1			1080 VA	1080 VA			1	20 A	REC- CONCOURSE WAITING AREA	16
17	REC-DRINKING FOUNTAIN	20 A	1					180 VA	720 VA	1	20 A	REC- TOILET 2115, FAMILY 2114	18
19	REC-LOUNGE	20 A	1	1080 VA	1080 VA					1	20 A	REC-CONCOURSE WAITING	20
21						3100 VA	180 VA			1	20 A	REC-VESTIBULE	22
23	INST. WATER HEATER	20 A	2					3100 VA	720 VA	1	20 A	REC-LOUNGE	24
25	REC	20 A	1	1400 VA	900 VA					1	20 A	REC	26
27	REC	20 A	1			1200 VA	1000 VA			1	20 A	REC	28
29	REC CEILING PROJECTOR	20 A	1					1100 VA	200 VA	1	20 A	ELECTRONIC TRAP PRIMER	30
31	REC	20 A	1	1200 VA	1000 VA					1	20 A	REC	32
33	REC	20 A	1			200 VA	1500 VA			1	20 A	REC HAND DRYER	34
35	REC	20 A	1			200 VA	1500 VA			1	20 A	REC HAND DRYER	36
37	REC	20 A	1	1400 VA	800 VA					1	20 A	REC	38
39	REC	20 A	1			1000 VA	1200 VA			1	20 A	REC	40
41	REC	20 A	1					1200 VA	1200 VA	1	20 A	F-TX-1	42
43	REC HAND DRYER	20 A	1	1500 VA	0 VA					1	20 A	F-TX-5	44
45	REC HAND DRYER	20 A	1			1500 VA	0 VA			1	20 A	GARBAGE DISPOSAL	46
47	FUTURE USO SPACE	20 A	1					1200 VA	720 VA	1	20 A	REC-CONCOURSE WAITING AREA	48
49	FUTURE USO SPACE	20 A	1	1200 VA	180 VA					1	20 A	REC- CONCOURSE WAITING AREA	50
51	FUTURE USO SPACE	20 A	1			1200 VA	720 VA			1	20 A	REC- CONCOURSE WAITING AREA	52
53	FUTURE USO SPACE	20 A	1			1200 VA		1200 VA	1260 VA	1	20 A	REC- CONCOURSE WAITING AREA	54
55	FUTURE USO SPACE	20 A	1	1200 VA	720 VA					1	20 A	REC- TOILET 2116, JAN CLOSET 2113	56
57	SPARE/FUTURE USO SPACE	20 A	1			1200 VA	180 VA			1	20 A	REC-DRINKING FOUNTAIN	58
59	REC REFRIGERATOR	20 A	1					800 VA	540 VA	1	20 A	REC-CONCOURSE WAITING AREA	60
61	REC COUNTER	20 A	1	1000 VA	720 VA					1	20 A	REC-CONCOURSE WAITING AREA	62
63	REC MICROWAVE	20 A	1			1000 VA	0 VA			1	20 A	SPARE	64
65	REC-CONCOURSE	20 A	1					720 VA	0 VA	1	20 A	SPARE	66
67	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	68
69	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	70
71	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	72
73	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	74
75	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	76
77	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	78
79	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	80
81	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	82
83	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	84
POWERPHASE				21320 VA		21840 VA		21060 VA					
AMPS/PHASE				178 A		182 A		176 A					
LOAD CLASS		CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD		TOTALS					
Spare		31400 VA		100.00%		31400 VA		CONNECTED POWER 16120 VA					
Equipment		13500 VA		100.00%		13500 VA		DEMAND POWER 16260 VA					
REC-GEN		13320 VA		87.54%		11660 VA		CONNECTED AMPS 178 A					
								DEMAND AMPS 174 A					

NOTES:

## REPLACE EXISTING POWER PANEL

LNE2A

MAIN 100 A MCB  
SYSTEM 208Y/120V 3P 4W  
OPTIONS BOLT ON BREAKERS

A.I.C. RATING 10kA  
NEMA NEMA 1

LOCATION ELEC. 2101  
MOUNTING Surface

LOAD PER PHASE

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
				0 VA	0 VA	0 VA	0 VA	0 VA	2150 VA				
3	TVSS	30 A	3							2	20 A	SPARE	2
5													4
7	DOC REC DDC	20 A	1	700 VA	2150 VA					2	20 A	MINI SPLIT WM-1; MHP-1	6
9	REC	20 A	1			200 VA	1000 VA			1	20 A	SECURITY DOOR POWER	10
11	REC	20 A	1					200 VA	360 VA	1	20 A	REC- TICKETING BOOTH	8
13	REC	20 A	1	200 VA	360 VA					1	20 A	REC- TICKETING BOOTH	12
15	REC- TV TICKETING	20 A	1			360 VA	360 VA			1	20 A	REC- TV TICKETING	14
17	DOOR LOCKS	20 A	1					0 VA	720 VA	1	20 A	REC-COMM 2101B	16
19	REC-COMM 2101A	20 A	1	360 VA	360 VA					1	20 A	REC-COMM 2101B	18
21	JUNCTION BOX SECURITY	20 A	1			0 VA	0 VA			1	20 A	REC-COMM 2101B	20
23	JUNCTION BOX SECURITY	20 A	1					0 VA	0 VA	2	30 A	REC- COMM 2101B	22
25	SECURED DOOR POWER - MECH RM W. SIDE	20 A	1	180 VA	0 VA					1	20 A	SPARE	24
27	REC-LCD MONITOR LOUNGE	20 A	1			720 VA	360 VA			1	20 A	SPARE	26
29	REC-LCD MONITOR CONCOURSE	20 A	1					360 VA	180 VA	1	20 A	REC-LCD MONITOR CONCOURSE	28
31	REC-LCD MONITOR LOUNGE	20 A	1	180 VA	360 VA					1	20 A	REC-LCD MONITOR CONCOURSE	30
33	REC- FUTURE TELECOM CABINET	20 A	1			360 VA	360 VA			1	20 A	REC-FUTURE TELECOM CABINET	32
35	REC- FUTURE TELECOM CABINET	20 A	1					360 VA	0 VA	1	20 A	SPARE	34
37	REC-FUTURE TELECOM CABINET	20 A	1	360 VA	0 VA					1	20 A	SPARE	36
39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	38
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	40
				POWER/PHASE		5210 VA		3720 VA		4330 VA			
				AMPS/PHASE		44 A		31 A		37 A			
LOAD CLASS				CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD		TOTALS			
Other				4160 VA		100.00%		4160 VA		CONNECTED POWER 13259 VA			
Spans				2300 VA		100.00%		2300 VA		DEMAND POWER 13259 VA			
Receptacle				720 VA		100.00%		720 VA		CONNECTED AMPS 37 A			
Equipment				319 VA		100.00%		319 VA		DEMAND AMPS 37 A			
REC-GEN				5220 VA		100.00%		5220 VA					
REC-APP				540 VA		100.00%		540 VA					
NOTES:													



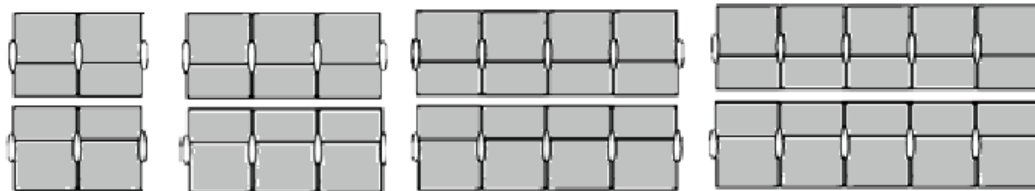
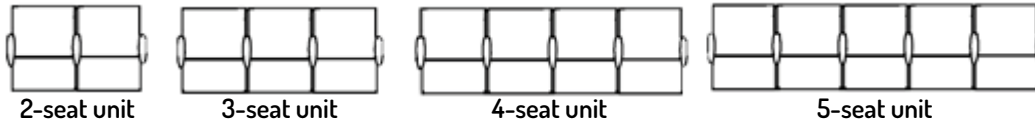
# CUT SHEETS



# Specifications FLEX SEATING

- Seat / Back:** 2.5mm pan, cold-rolled steel, perforated, standard color is metallic silver
- Cushion:** 40mm thick, commercial grade A vinyl, or polyurethane, standard color is black
- Arms:** Die-cast aluminum, loop, standard finish is metallic silver
- Legs:** Die-cast aluminum, adjustable glide, standard finish is metallic silver
- Beam:** Cold-rolled steel, triangle shape, standard length is all arms and color is metallic silver
- Finish:** Electro-static powder coating, standard color is metallic silver
- Frame:** Die-cast aluminum brackets, standard finish is metallic silver
- Table:** High pressure laminate, standard color is black
- Configurations:** Available in 2, 3, 4, and 5-seat units, back-to-back, end-to-end
- Options:** All, end, or no arms, metal color options, vinyl colors (including COM), power charging, tables, floor mounting

RECYCLABLE



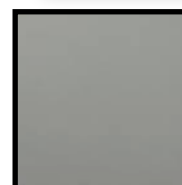
Back-to-back Configurations



Inches	No Arms	End Arms	All Arms
2-seat unit	48.03	48.03	48.03
3-seat unit	71.26	71.26	71.26
4-seat unit	94.49	94.49	94.49
5-seat unit	117.72	117.72	117.72



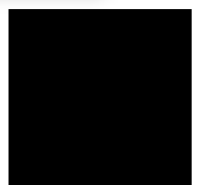
Metallic Silver  
Smooth



Gray  
Smooth



Metallic Charcoal  
Smooth



Black  
Smooth





For assistance with power options and layouts contact:  
 Tel: +1-901-685-8263 | Fax: +1-901-683-6745  
 Toll Free: +1-800-810-4231  
 e-mail: [sales@airportseatingalliance.com](mailto:sales@airportseatingalliance.com)  
[www.AirportSeatingAlliance.com](http://www.AirportSeatingAlliance.com)



## Power Module

The Airport Seating Alliance Power and Go charging module is the only fully UL Listed pre-wired lounge seating power delivery system. Power Modules provide an easy means of charging user devices while meeting custom space requirements. The Power and Go charging modules can be mounted to most tables or tandem seating models using a custom designed bracket.

- Make any furniture or seating area into a convenient charging station tailored to meet your customers charging needs
- Available with a custom heavy-gauge durable powder coated steel mounting bracket
- Utilizes Hubbell tamper-resistant receptacle with an option for USB Type A, Type C and Combination Type A & C - Hospital grade receptacles also available
- Parallel module wiring keeping individual seating boxes from losing power
- Rugged design features satin aluminum construction body with impact-resistant polycarbonate end caps

-   Listed to UL962A



Power Modules are available in convenient customized bracketed configurations that easily attach to any flat surface. Chains are available with up to 4 powered seating boxes per unit to provide power to as few or as many seats as needed.



### Features

- Fast charging speeds delivering up to 5 Amps of charging power
- Green power LED provides visual indication of power to the devices
- Push to reset circuit breaker - trip electronically and reset manually
- Stainless steel USB ports rated for 10,000 insertions
- Smooth insertion tamper-resistant devices provide an extra level of safety to your customers
- Overcurrent protection - 12 Amp chain and 5 Amp individual module protection
- Security Torx-screw minimizes the potential for customers to open or tamper with units
- Hardwired permanently connected power and interconnecting cords

### Specifications

- UL, cULus
- Meets the construction and safety testing standards for UL962A Furniture Power Distribution Units
- Made in the USA

# Power Module



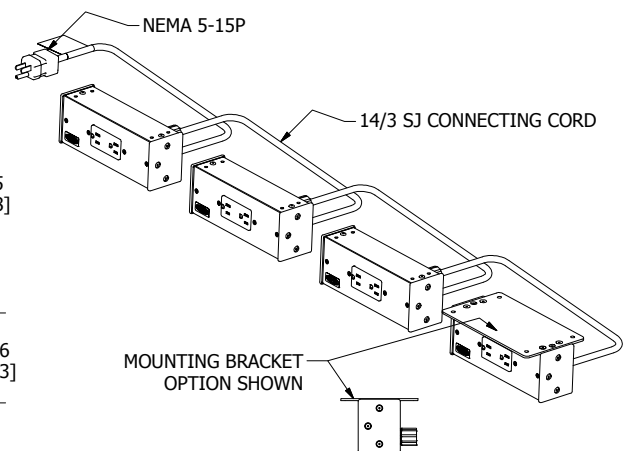
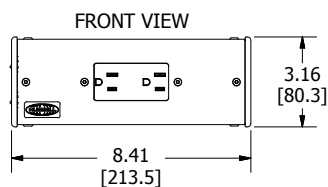
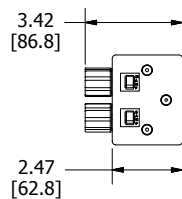
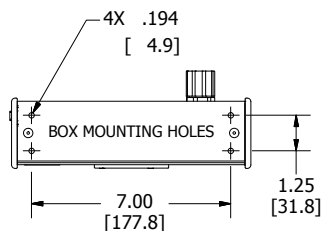
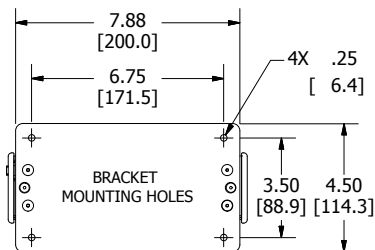
## Ordering Information:

Catalog Number	Description
PAGH1MSTD06	1 power module, 6' power cord
PAGH1MSTD10	1 power module, 10' power cord
PAGH1MSTD20	1 power module, 20' power cord
PAGH2MSTD06	2 power modules, 6' power cord
PAGH2MSTD10	2 power modules, 10' power cord
PAGH3MSTD06	3 power modules, 6' power cord
PAGH4MSTD06	4 power modules, 6' power cord

\*Customized solutions will be created upon request\*



## Dimensions Inches (mm)



For assistance with power options and layouts contact:  
Tel: +1-901-685-8263 Fax: +1-901-683-6745  
Toll Free: +1-800-810-4231  
e-mail: [sales@airportseatingalliance.com](mailto:sales@airportseatingalliance.com)  
[www.AirportSeatingAlliance.com](http://www.AirportSeatingAlliance.com)



# POWER STATION

**POWER**  
AND **GO**



The Power and Go Charging Station is a power pleasing work surface that can be placed in any location convenient for public waiting. It's styling provides a perfect power and charging solution for airports, bus, rail, medical, government, educational, and more. The Power and Go Charging Station offers a flat surface work space on all sides and features 12 power outlets and 12 USB charging ports. UL Approved and passed UL Spill Test.



# Specifications POWER STATION

## DIMENSIONS

- Width: 72.0 in (182.88cm)
- Height: 42.0 in (106.68cm)
- Depth: 15.0 in (38.1cm)

## SPECIFICATIONS

- Available in North American or International models
- ADA 34" height available upon request
- Requires dedicated 20 amp circuit
- Laminated or Corian Solid Surface Top (color options)
- Stainless Steel sides

- Access panel for maintenance
- Floor mounting only
- 6 ft power cord (hardwired or plugged)
- 12 Power outlets & 12 USB charging ports
- Hubbell outlets (all outlets work simultaneously)
- Can be customized (call for details)
- All components are ETL (UL) listed
- Made in USA
- Patent Pending



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