





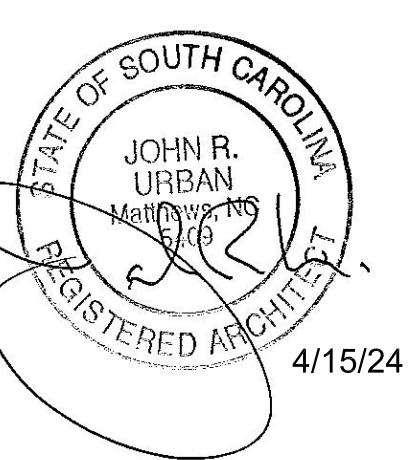


4032





Seals:



APPROVED
05/16/2024
Project No
20222468

AIRPORT HANGAR
Phase 2
Box Hangar
New Construction

Rock Hill Airport
4032 Taxiway J
Box Hangar #8
Rock Hill, SC 29732

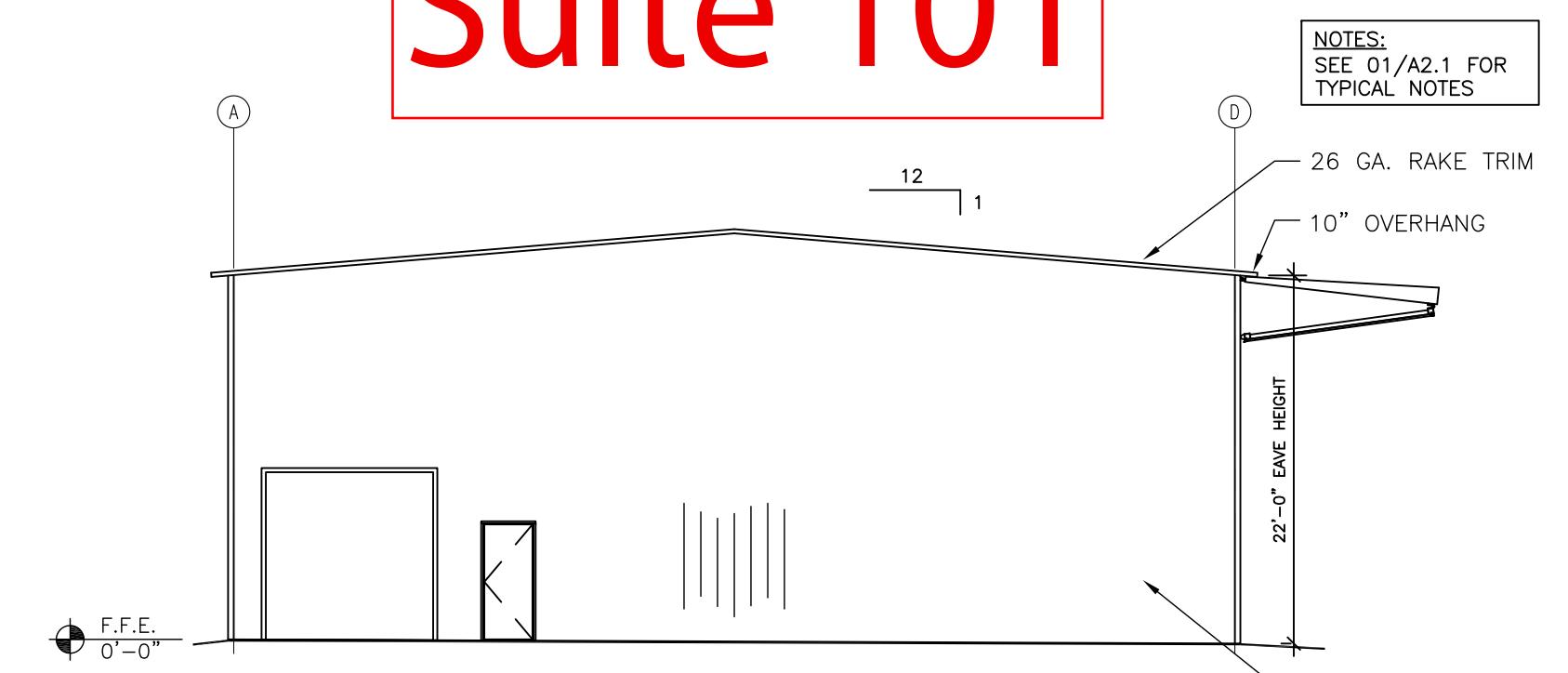
Date: April 15, 2024
Project Number: 2024-01
Issued For:
Construction Only: 04.15.24

EXTERIOR ELEVATIONS

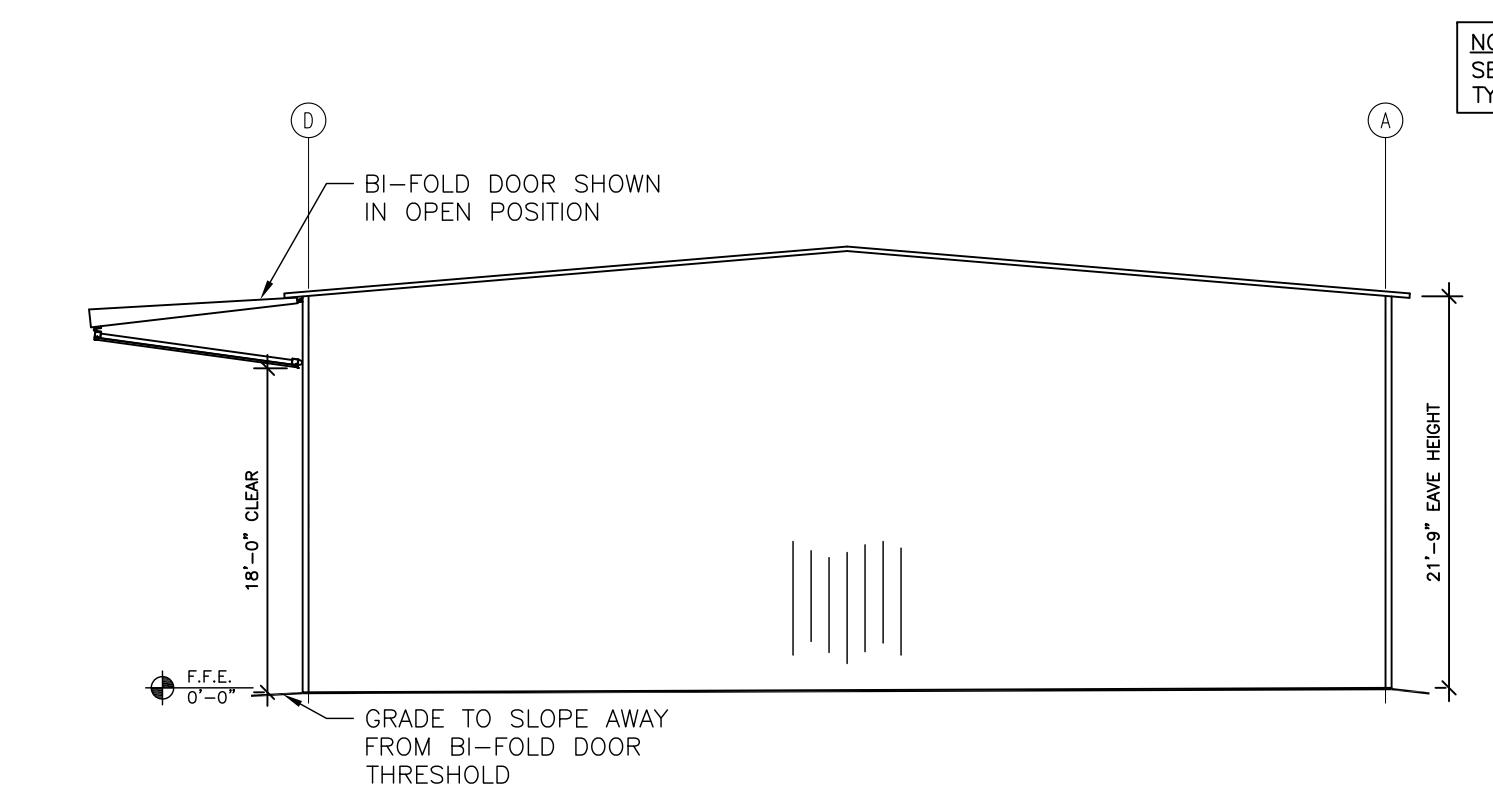
A2.1

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Suite 101

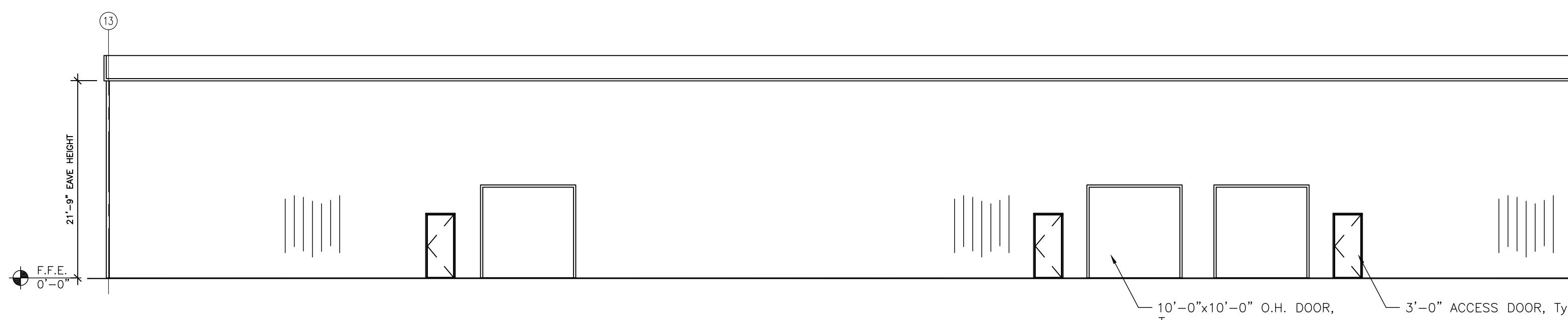


04 EXTERIOR ELEVATION: End Wall
1/8" = 1'-0"

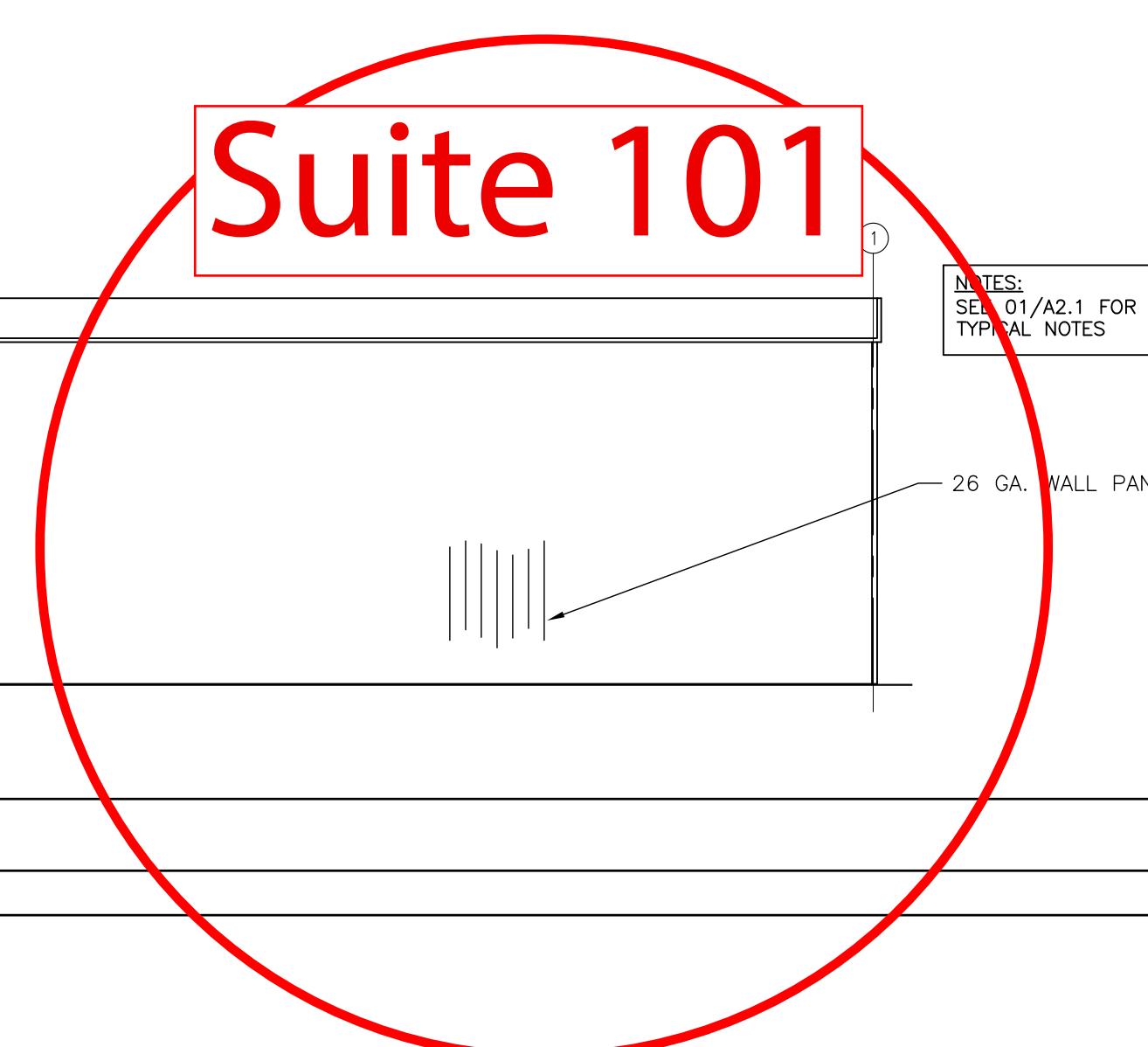


03 EXTERIOR ELEVATION: End Wall
1/8" = 1'-0"

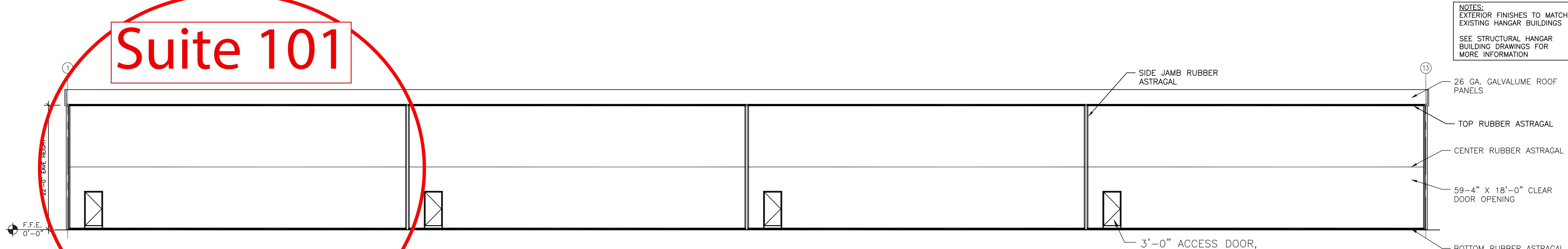
Suite 101



02 EXTERIOR ELEVATION: Rear Sidewall
3/32" = 1'-0"

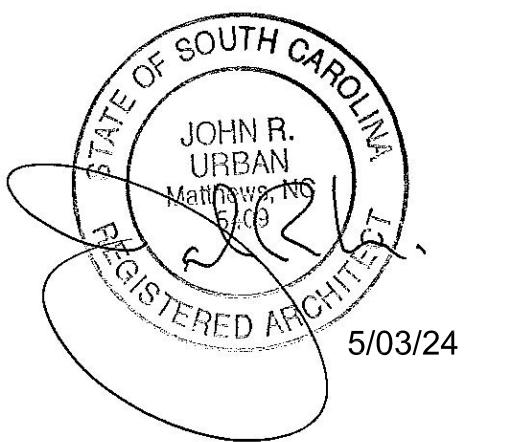


Suite 101



01 EXTERIOR ELEVATION: Front Sidewall
3/32" = 1'-0"

Seals:



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△ Permit Review Comments:	5.03.24

FLOOR PLAN & LIFE SAFETY PLAN

A1.1

NONE OF THE FOLLOWING OPERATIONS ARE ALLOWED AS THE BUILDINGS ARE NOT PROTECTED WITH A FIRE SUPPRESSION SYSTEM PER 412.3.6.1, HAZARDOUS OPERATIONS, GROUP III AIRCRAFT HANGAR:
1. Doping
2. Work including, but not limited to, welding, torch cutting and torch soldering.
3. Fuel transfer.
4. Fuel tank repair or maintenance not including defueled tanks in accordance with NFPA 409, inverted tanks or tanks that have never been fueled.
5. Spray painting operations.
6. Total fuel capacity of all aircraft within the unsprinklered single fire area (an entire hangar) in excess of 1,600 gallons (6057 L). Estimated volume of fuel in all the aircraft in a hangar building is approx. 500 gallons (50 gal/hangar).

DOOR HARDWARE NOTES:

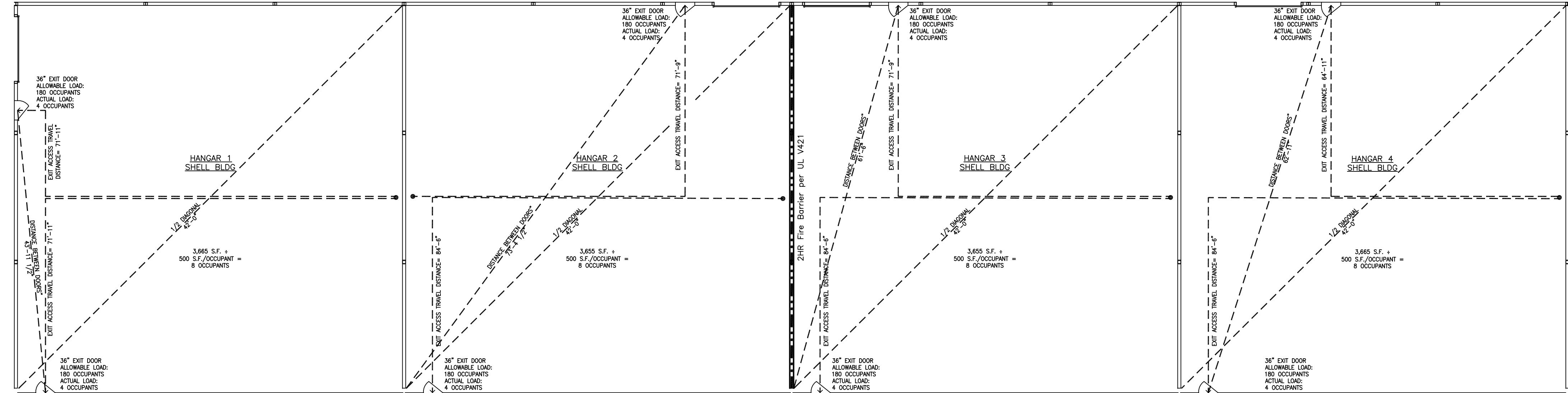
- Exit doors to be openable from the inside without the use of a key, tool, special knowledge of effort. All hardware must be direct acting requiring not more than one motion in a single linear or rotational direction to release all latching and all locking devices per 2021 IBC Section 1010.2.
- Door handles, pulls, latches, locks and other operable parts on accessible doors shall have a grip force that is easy to grasp with one hand and require no twisting, pinching or twisting of the wrist to operate per 2021 IBC Section 1010.2.2. Operable parts of such hardware shall be 34" minimum and 48" maximum above the floor per ICC/ANSI A117.1-2017 sections 404.2.6 & 404.2.7.

LIFE SAFETY NOTES

- PORTABLE FIRE EXTINGUISHERS SHALL BE SELECTED, INSTALLED, & MAINTAINED IN ACCORDANCE WITH 2021 IFC SECTION 904.2 & NFPA 10, G.C. COORDINATE TYPES, SIZES, & LOCATION WITH THE FIRE MARSHAL UPON FINAL INSPECTION.
- PROVIDE TACTILE EXIT SIGNAGE PER 2021 IFC SECTION 1013.4 & ICC/ANSI A117.1-2017 SECTION 703. SIGNS SHALL BE PLACE ON THE WALL, ON THE LATCH SIDE OF THE DOOR, 60" OFF THE FLOOR. SEE A0.1, GENERAL NOTE 11 & O2/A1.0 FOR DETAIL.
- ALL LIFE SAFETY SYSTEMS (EGRESS LIGHTING & EXIT SIGNS) SHALL BE MAINTAINED DURING CONSTRUCTION.
- IF APPLICABLE, All wood blocking, framing, or wood material which is exposed to weather or dampness, or is to be in contact with concrete or masonry shall be pressure treated. G.C. to verify compatibility of fasteners used with P.T. wood products.
- Provide blocking as required for toilet accessories, and misc. hardware. All concealed blocking to meet 2021 IBC (SC Modifications) Section 603.
- Provide fire treated wood blocking when required by code. All concealed blocking to meet 2021 IBC (SC Modifications) Section 603.
- Provide Tactile Exit Signage at each exit per ICC/ANSI A117.1-2017 Section 703.

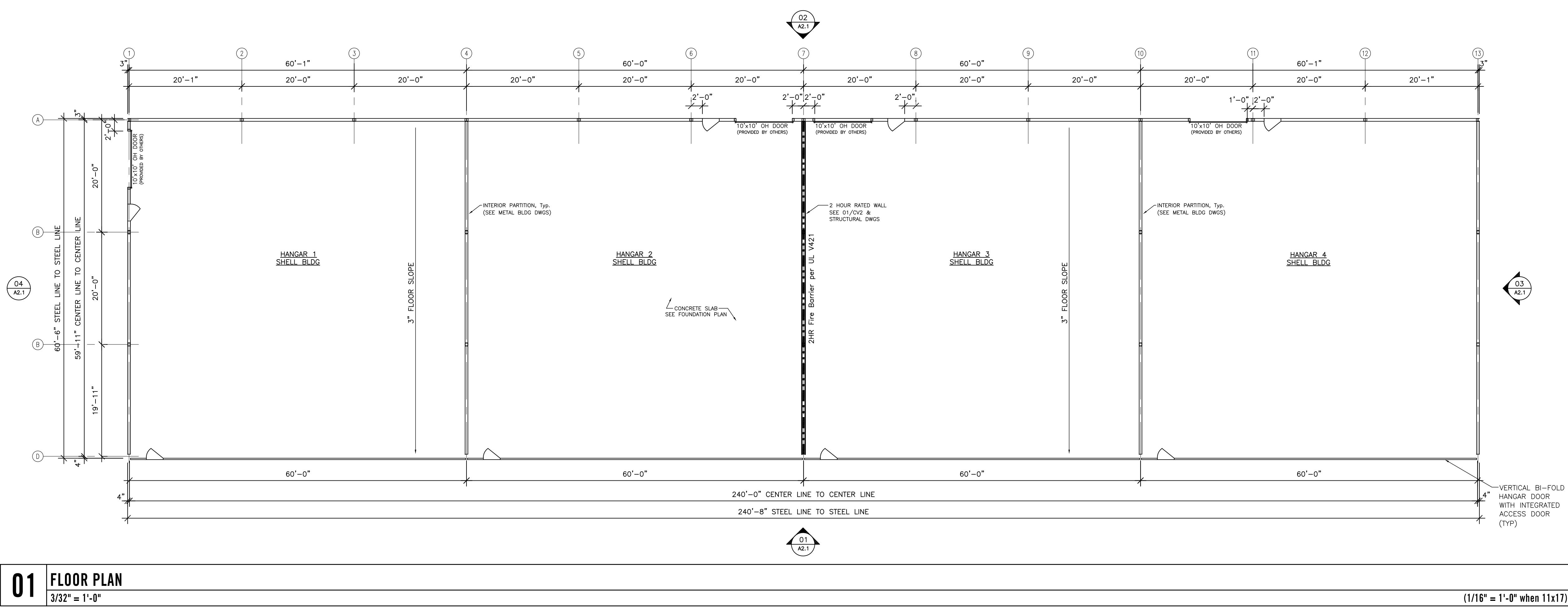
GENERAL NOTES

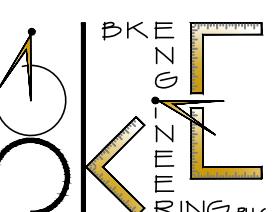
- Do not scale drawings. If dimensions are in question, obtain clarification from architect.
- Where a detail, typical detail, section, typical section or plan note is shown for one condition, it shall apply for similar or like conditions unless noted otherwise.
- General Contractor shall install all work according to local, state, and federal codes.
- General Contractor shall verify all utility locations before beginning construction.
- General Contractor shall verify all existing conditions before beginning construction.
- All dimensions are from the centerline of new walls and from the face of existing walls, unless noted otherwise. When dimensions are noted as "Clear" or "CLR", this includes all interior finishes.
- Use moisture resistant G.W.B. in toilets and at all wet areas.
- IF APPLICABLE, All wood blocking, framing, or wood material which is exposed to weather or dampness, or is to be in contact with concrete or masonry shall be pressure treated. G.C. to verify compatibility of fasteners used with P.T. wood products.
- Provide blocking as required for toilet accessories, and misc. hardware. All concealed blocking to meet 2021 IBC (SC Modifications) Section 603.
- Provide fire treated wood blocking when required by code. All concealed blocking to meet 2021 IBC (SC Modifications) Section 603.
- Provide Tactile Exit Signage at each exit per ICC/ANSI A117.1-2017 Section 703.



02 LIFE SAFETY FLOOR PLAN

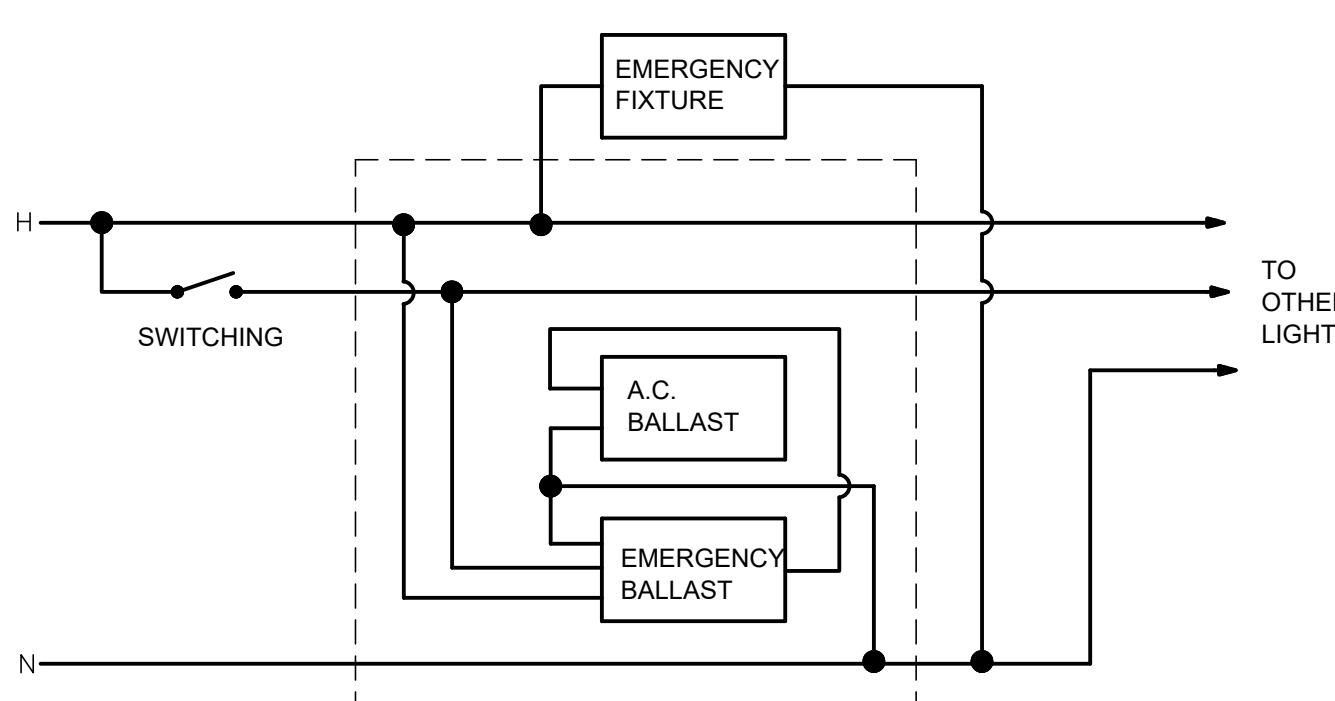
3/32" = 1'-0"





CEILING SYMBOL LEGEND					
SYMBOL	TYPE	MODEL	LAMPS	VOLTS	NOTES
A	1X4 LED STRIP LIGHT	CONTRACTOR SELECTED/OWNER APPROVED	NOT TO EXCEED 50W	120V	CABLE SUSPENDED @ 13' AFF.
B	EXTERIOR WALL PACK	CONTRACTOR SELECTED/OWNER APPROVED	NOT TO EXCEED 100W	120V	WET LOCATION LISTED.
C	EXTERIOR WALL PACK	DURAGUARD WPC12Q	25W LED	120V	WET LOCATION LISTED, MOTION SENSOR ACTIVATED.
EM	WALL MOUNTED EMERGENCY EGRESS LIGHT	CONTRACTOR SELECTED/OWNER APPROVED	LED	120V	SELF CONTAINED POWER PACK FOR 90 MIN BACK UP BATTERY.
EX	WALL/CEILING MOUNTED EXIT SIGN	CONTRACTOR SELECTED/OWNER APPROVED	LED	120V	SELF CONTAINED POWER PACK FOR 90 MIN BACK UP BATTERY.
EE	EXTERIOR EMERGENCY REMOTE HEADS	CONTRACTOR SELECTED/OWNER APPROVED	LED	120V	MOUNTED AT 10'-0" AFF. WET LOCATION LISTED. 90 MINUTE BATTERY BACK UP.

ALL SUBSTITUTIONS MUST BE EQUAL AND APPROVED BY OWNER



GENERAL NOTES:

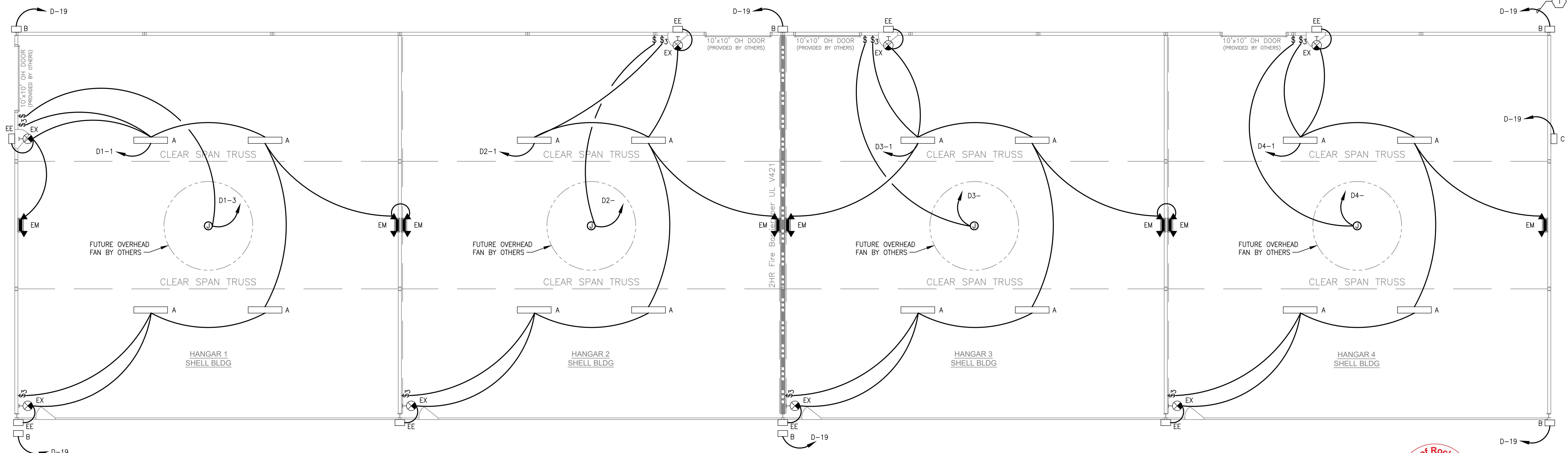
1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND VERIFY ALL WORKING CONDITIONS, CLEARANCES, AND REQUIREMENTS FOR PROVIDING A COMPLETE AND FUNCTIONAL SYSTEM. NO CHANGES IN THE CONTRACT OR CONTRACT SUM WILL BE MADE DUE TO THE FAILURE TO THOROUGHLY EXAMINE THE SITE AND CONDITIONS.
2. COORDINATE EXACT LOCATION OF ALL LIGHT AND EQUIPMENT SWITCHES WITH TENANT PRIOR TO ROUGH IN.
3. VERIFY EXACT LOCATION OF LIGHTING FIXTURES AND CEILING HEIGHTS WITH ARCHITECTURAL PLANS.
4. ALL EMERGENCY EGRESS/EXIT LIGHTING MUST BE ON THE LOCAL CIRCUIT AHEAD OF ANY SWITCHING. REFER TO DETAIL FOR ADDITIONAL REQUIREMENTS.

DRAWING NOTES:

1. EXTERIOR LIGHTING TO BE CONNECTED TO CIRCUIT AS SHOWN ON PLANS AND CONTROLLED VIA PHOTOCELL. PHOTOCELL TO BE LOCATED ON THE NORTH SIDE OF THE BUILDING AND IN A NON OBSTRUCTED LOCATION ON THE ROOF. DO NOT FACE THE PHOTOCELL INTO THE MIDDAY SUN. IF THE PHOTO CONTROL IS INSTALLED ON THE SOUTH SIDE OF THE BUILDING, FACE THE PHOTOCELL EAST OR WEST OR POINT THE PHOTO CONTROL DOWN TOWARD THE GROUND. THE BEST DIRECTION TO FACE THE PHOTO CONTROL IS NORTH. OWNER MAY SELECT ALL EXTERIOR LIGHTING TO BE CONTROLLED WITH TIME CLOCK. VERIFY WITH OWNER PRIOR TO INSTALLATION. PHOTOCELL AND TIME CLOCK SELECTED AND INSTALLED BY CONTRACTOR.

2 EMERGENCY LIGHTING WIRING DETAIL

E1.1 NO SCALE



BUILDING 4032
ELECTRICAL FLOOR PLAN - LIGHTING

1
E1.1 1/8" = 1' - 0"



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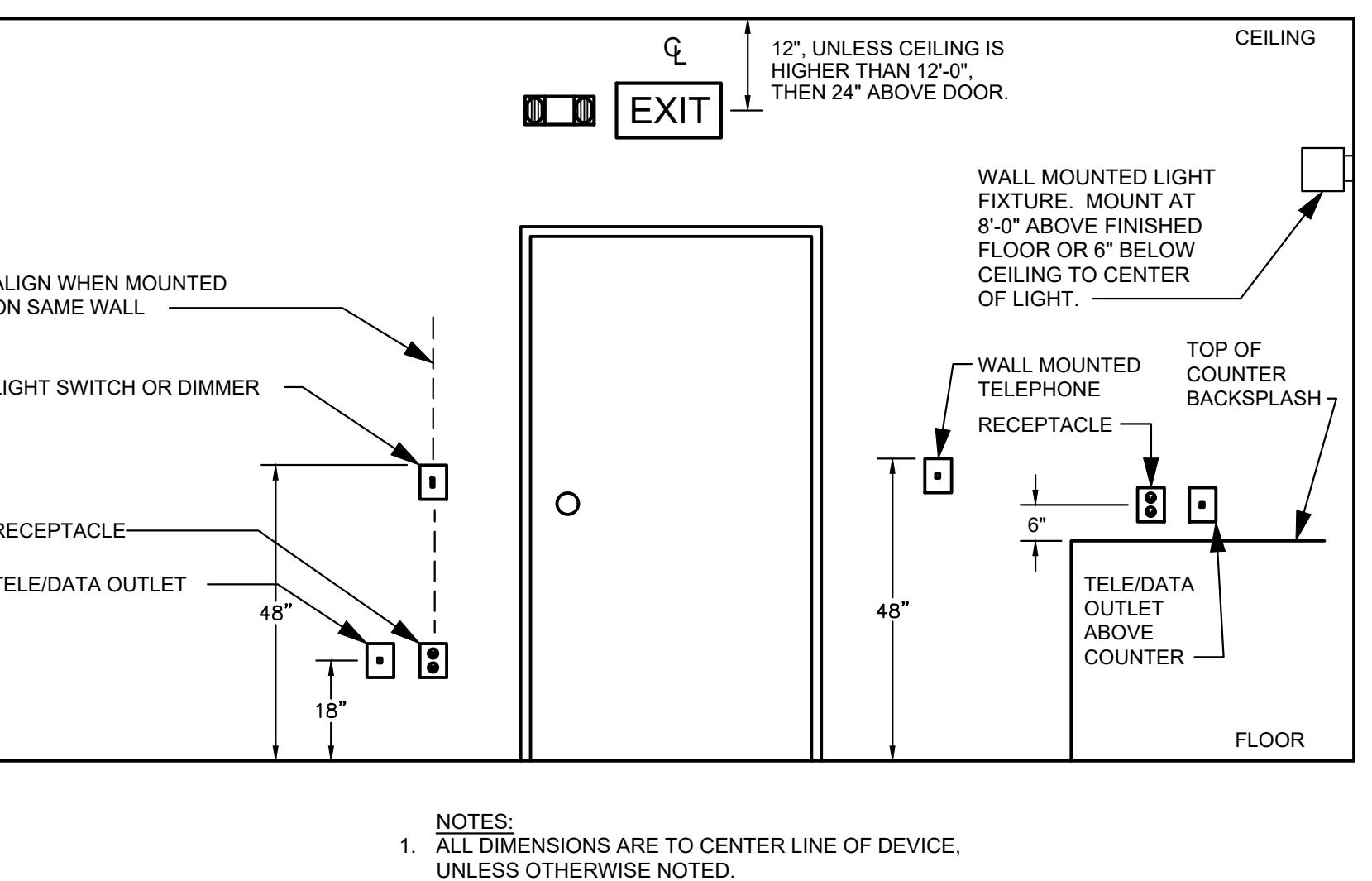
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ELECTRICAL FLOOR PLAN - LIGHTING

E1.1



2 DEVICE MOUNTING HEIGHTS DIAGRAM
E1.2 NO SCALE

GENERAL NOTES:

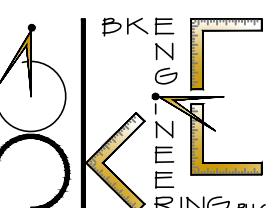
1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND VERIFY ALL WORKING CONDITIONS, CLEARANCES, AND REQUIREMENTS FOR PROVIDING A COMPLETE AND FUNCTIONAL SYSTEM. NO CHANGES IN THE CONTRACT OR CONTRACT SUM WILL BE MADE DUE TO THE FAILURE TO THOROUGHLY EXAMINE THE SITE AND CONDITIONS.
2. CONTRACTOR SHALL VERIFY ALL NEW EQUIPMENT LOCATIONS AND COORDINATE WITH CIRCUIT DEVICE LOCATIONS AS SHOWN ON PLAN PRIOR TO ROUGH-IN. VERIFY ALL VENDOR FURNISHED EQUIPMENT CONNECTION REQUIREMENTS PRIOR TO INSTALLATION OF ANY RECEPTACLES, DISCONNECTS OR CIRCUITS AS SHOWN.
3. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABELED AND LISTED BY A SOUTH CAROLINA APPROVED THIRD PARTY TESTING AGENCY.
4. AFTER WIRING DEVICES, ALL CONDUITS MUST BE SEALED TO STOP MOISTURE TRANSFER TO ELECTRICAL RACEWAYS. FAILURE TO SEAL DEVICES PER NEC CODES WILL VOID WARRANTY.
5. CONTRACTOR TO REVIEW ALL RECEPTACLE LOCATIONS WITH OWNER PRIOR TO INSTALLATION.

DRAWING NOTES:

① PROVIDE MOTOR RATED TOGGLE SWITCH FOR HANGAR DOOR UP AND DOWN OPERATION. COORDINATE EXACT LOCATION OF SWITCH WITH OWNER PRIOR TO INSTALLATION.

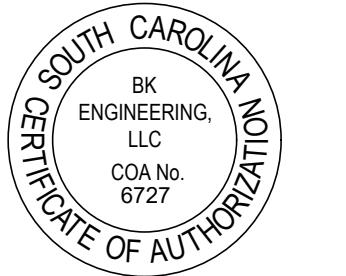


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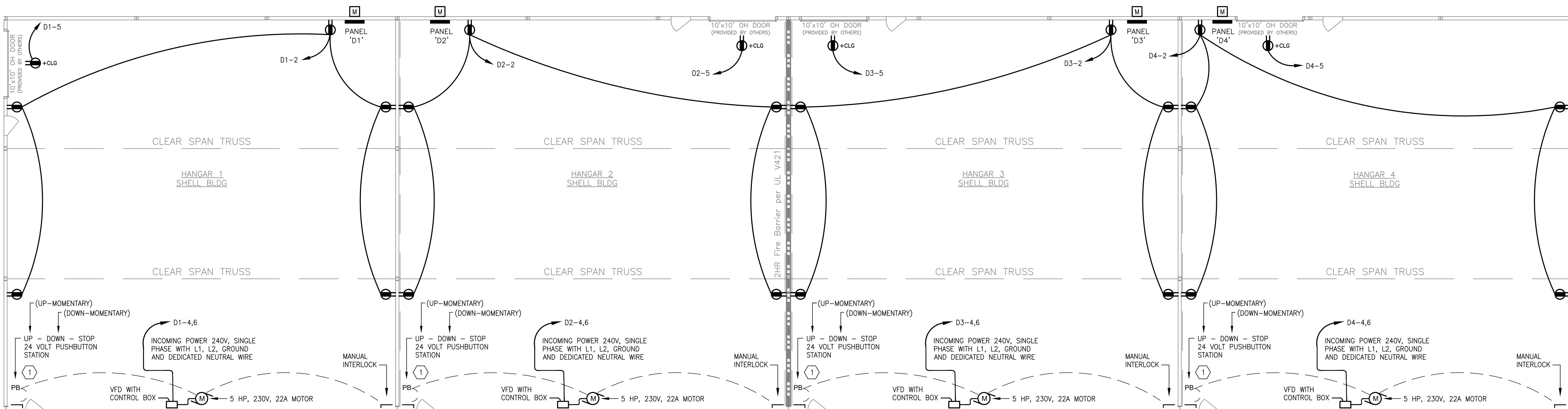
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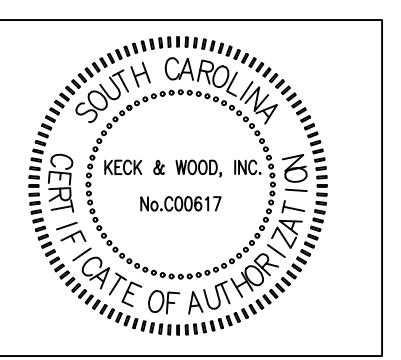
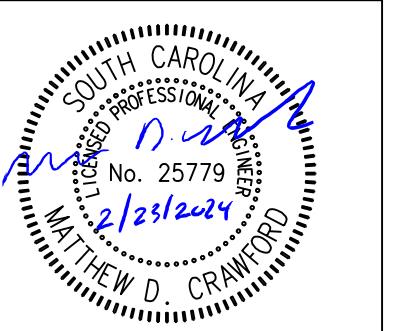
BUILDING 4032
E1.2
1/8" = 1' - 0"
ELECTRICAL FLOOR PLAN - POWER



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ELECTRICAL FLOOR PLAN - POWER

E1.2



NO.	DATE	REVISION
1	02/06/2024	Per City Comments

Rock Hill Airport Hangar Phase II

Rock Hill, South Carolina

Overall Site Plan

PERMIT SET

Project Manager:	
Matthew D. Crawford, P.E.	
Drawn By:	Checked By:
TEA	MDC
Date: 02/23/2024	
Scale: As Shown	
Project No.:	
226052	
Drawing No.:	
C3.0	

