







4032



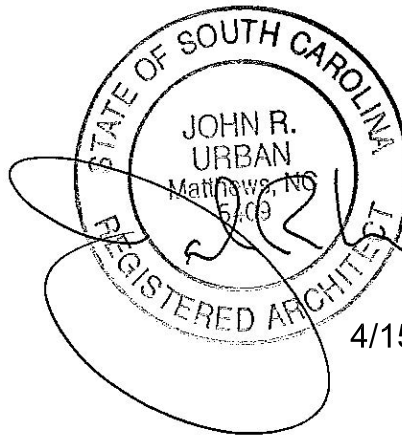




ARCHITECTURAL GROUP

704.841.1899 1242 Mann Drive Suite 200  
Matthews, North Carolina 28105  
www.UrbanAIA.com

Seals:



APPROVED  
05/16/2024

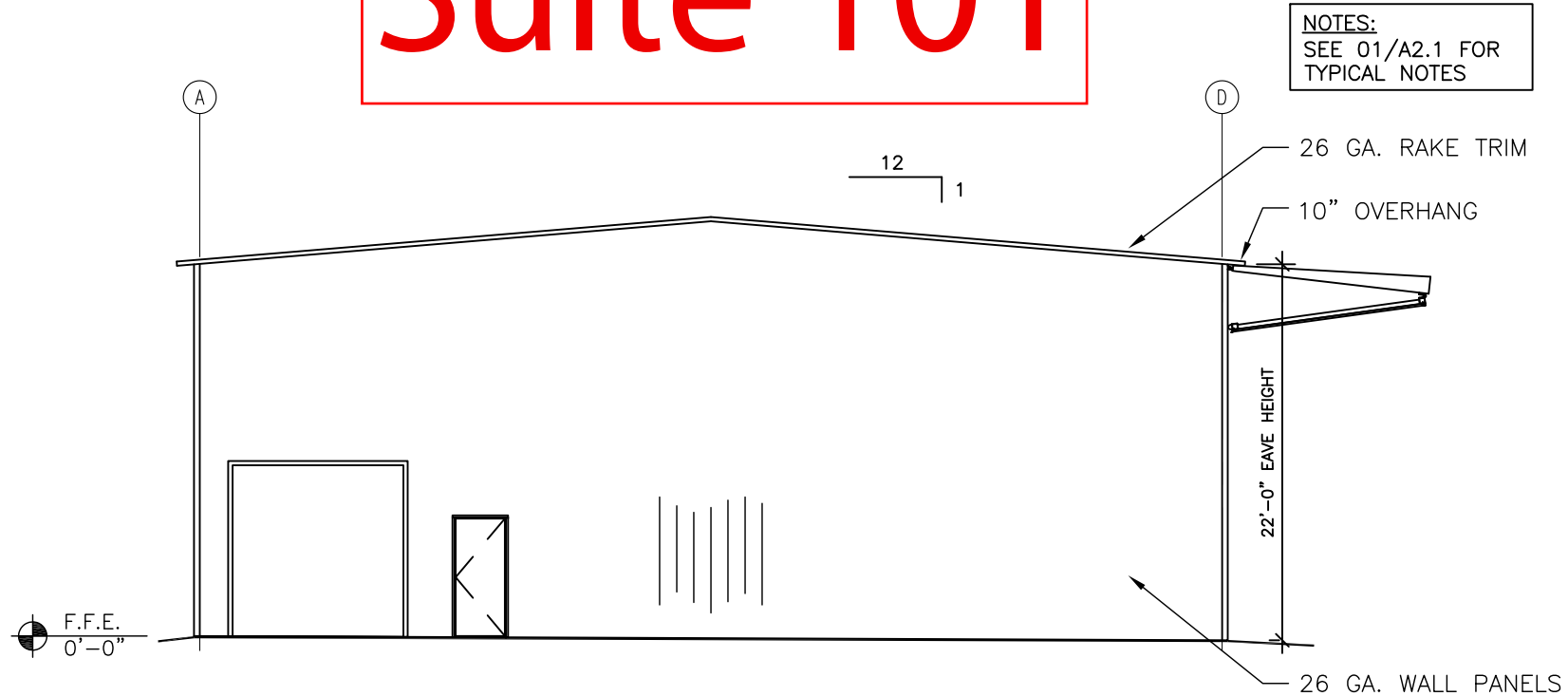
Project No  
20222468

AIRPORT HANGAR  
Phase 2  
Box Hangar  
New Construction

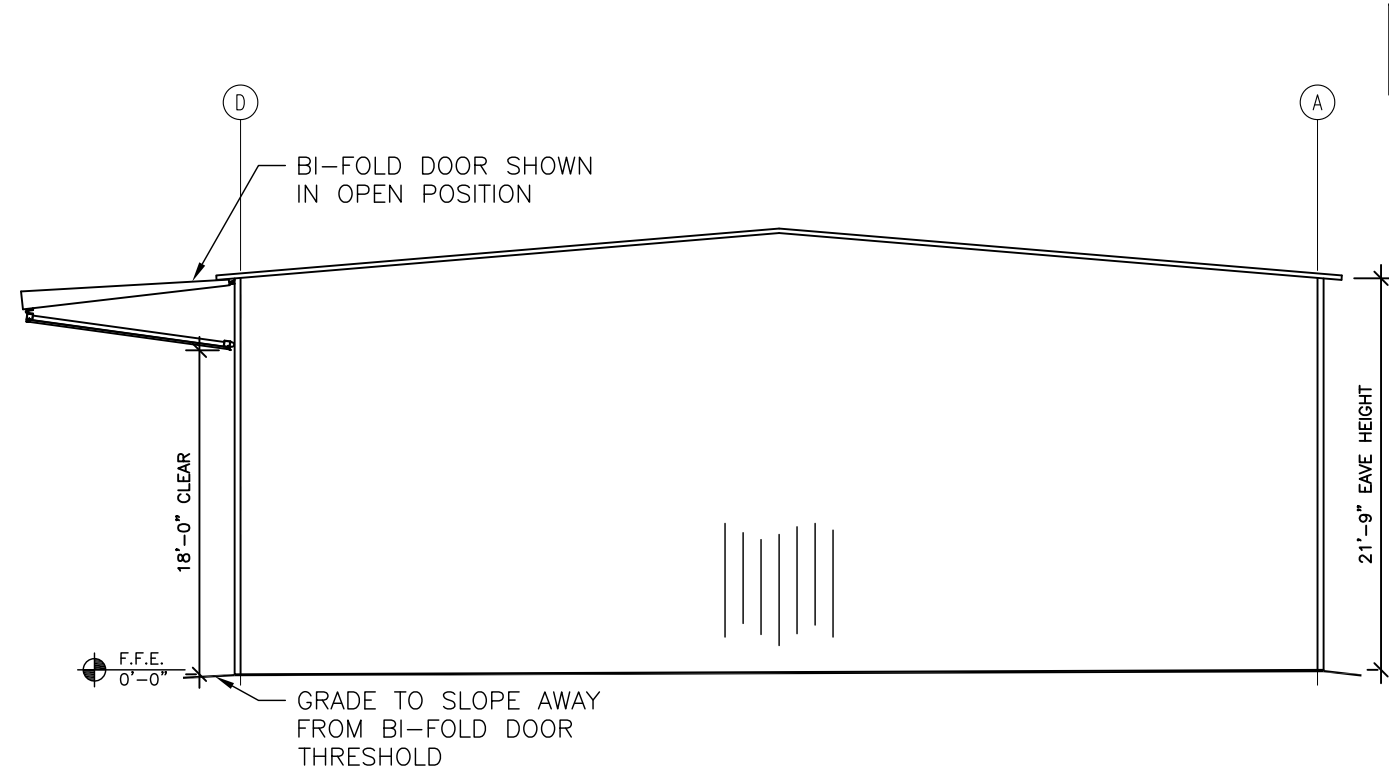
Rock Hill Airport  
4032 Taxiway J  
Box Hangar #8  
Rock Hill, SC 29732

Date:	April 15, 2024
Project Number:	2024-01
Issued For:	
Construction Only:	04.15.24
EXTERIOR ELEVATIONS	
A2.1	
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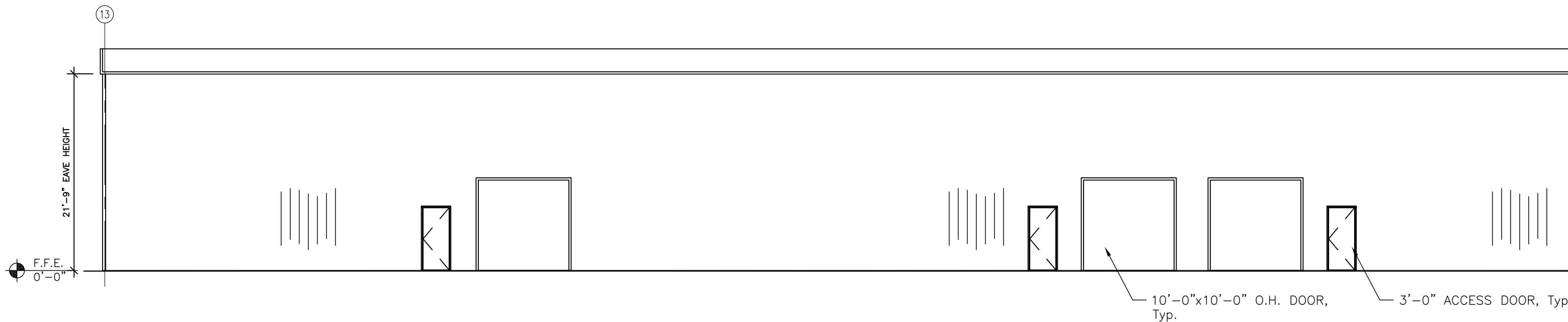
Suite 101



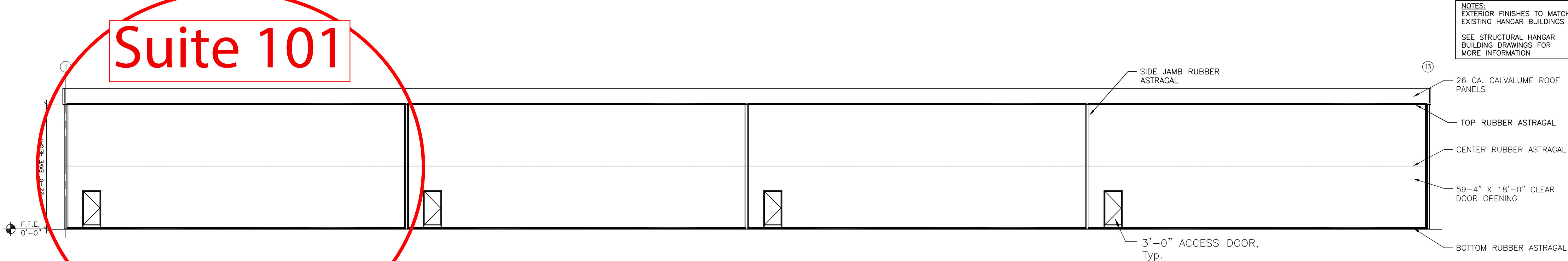
04 EXTERIOR ELEVATION: End Wall  
1/8" = 1'-0"



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



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



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

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. Hot 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, inerted tanks or tanks that have never been fueled.
5. Spray finishing 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 of the aircraft in a hangar building is approx. 500 gallons (50 gal/ hangar).

DOOR HARDWARE NOTES:

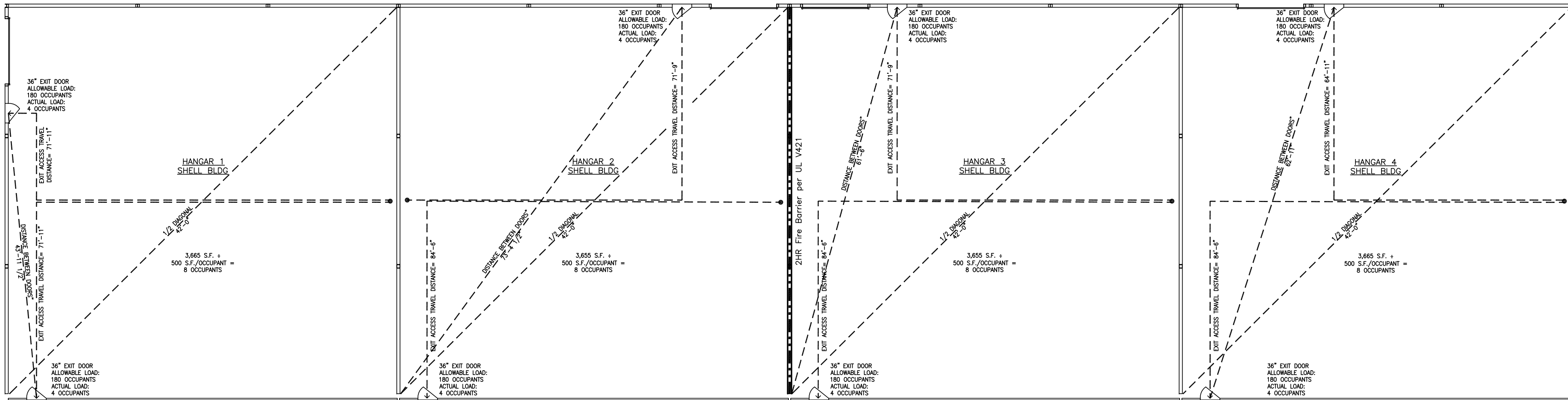
1. Exit doors to be operable from the inside without the use of a key, tool, special knowledge of effort. All hardware must be direct acting requiring not more than one motion in a single linear or rotation direction to release all latching and all locking devices per 2021 IBC Section 1010.2
2. Door handles, pulls, latches, locks and other operable parts on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, 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

1. PORTABLE FIRE EXTINGUISHERS SHALL BE SELECTED, INSTALLED, & MAINTAINED IN ACCORDANCE WITH 2021 IFC SECTION 906.2 & NFPA 10, G.C. TO COORDINATE TYPES, SIZES, & LOCATION WITH THE FIRE MARSHAL UPON FINAL INSPECTION.
2. PROVIDE TACTILE EXIT SIGNAGE PER 2021 IFC SECTION 1013.4 & ICC/ANSI A117.1-2017 SECTION 703. SIGNS SHALL BE PLACED ON THE WALL, ON THE LATCH SIDE OF THE DOOR, 60" OFF THE FLOOR. SEE A0.1, GENERAL NOTE 11 & 02/A1.0 FOR DETAIL.
3. ALL LIFE SAFETY SYSTEMS (EGRESS LIGHTING & EXIT SIGNS) SHALL BE MAINTAINED DURING CONSTRUCTION.

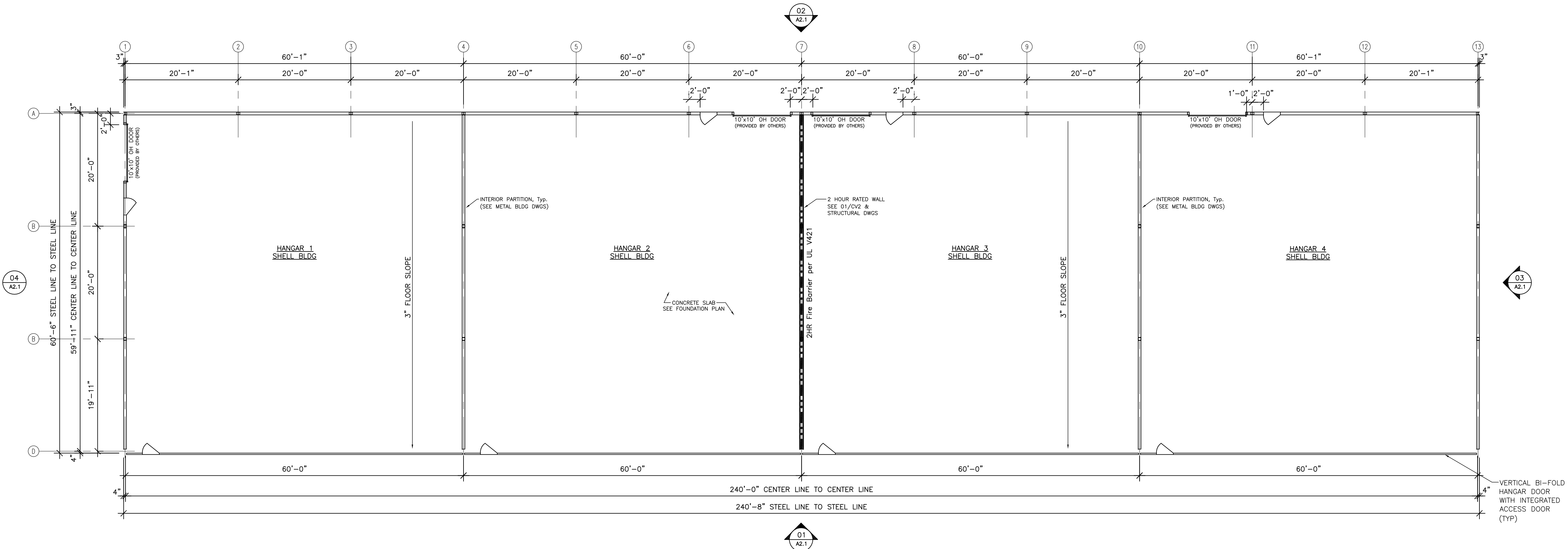
GENERAL NOTES

1. Do not scale drawings. If dimensions are in question, obtain clarification from architect.
2. 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.
3. General Contractor shall install all work according to local, state, and federal codes.
4. General Contractor shall verify all utility locations before beginning construction.
5. General Contractor shall verify all existing conditions before beginning construction.
6. 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.
7. Use moisture resistant G.W.B. in toilets and at all wet areas.
8. 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.
9. Provide blocking as required for toilet accessories, and misc. hardware. All concealed blocking to meet 2021 IBC (SC Modifications) Section 603.
10. Provide fire treated wood blocking when required by code. All concealed blocking to meet 2021 IBC (SC Modifications) Section 603.
11. Provide Tactile Exit Signage at each exit per ICC/ANSI A117.1-2017 Section 703.



02 LIFE SAFETY FLOOR PLAN

3/32" = 1'-0"



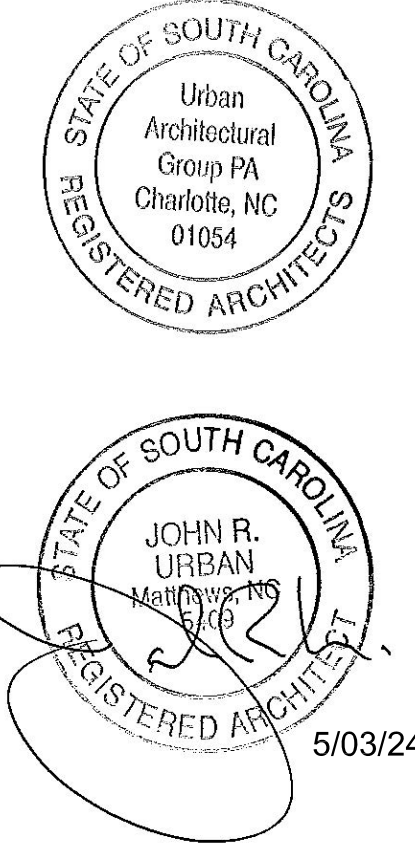
01 FLOOR PLAN

3/32" = 1'-0"

(1/16" = 1'-0" when 11x17)

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Matthews, North Carolina 28105  
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Seals:



**City of Rock Hill**  
Planning & Development  
**APPROVED**  
05/16/2024  
Project No  
**20222468**

**AIRPORT HANGAR**  
**Phase 2**  
Box Hangar  
New Construction


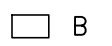
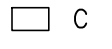
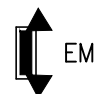


Rock Hill Airport  
4032 Taxiway J  
Box Hangar #8  
Rock Hill, SC 29732

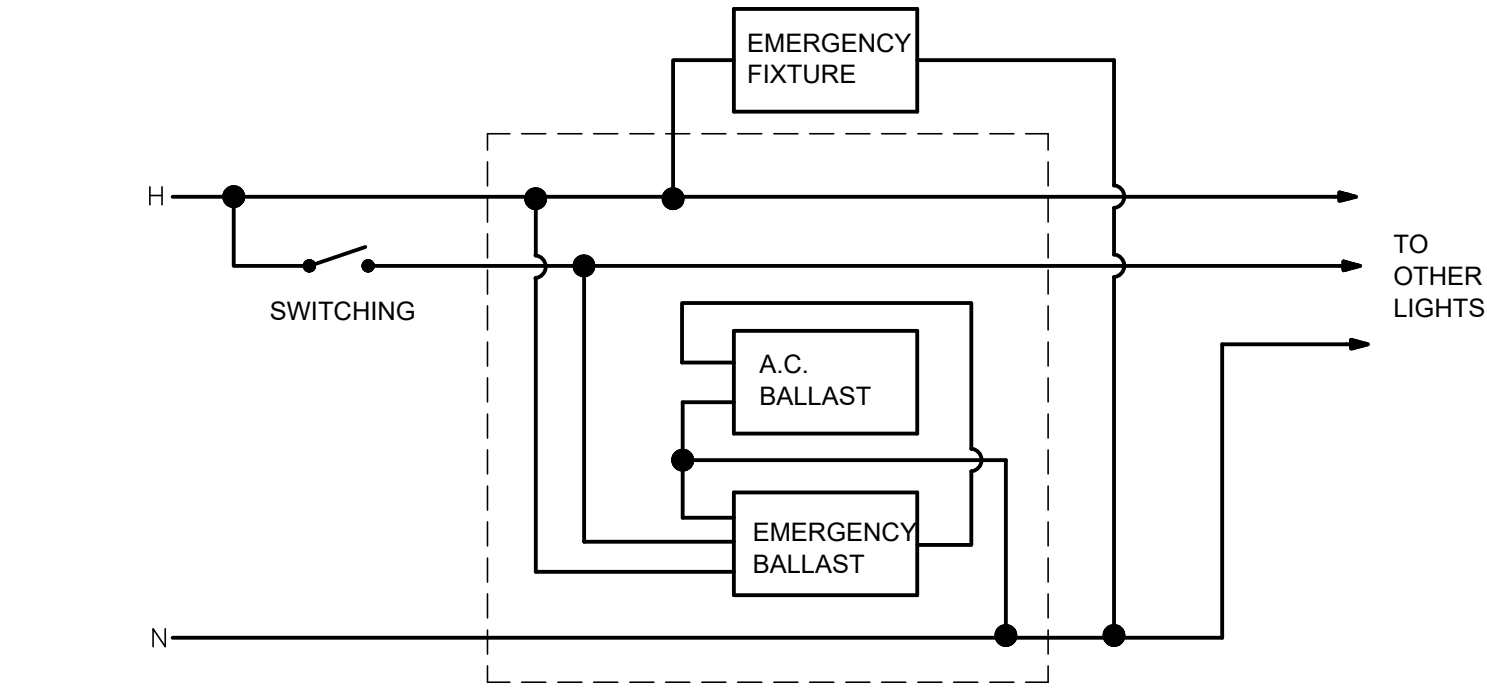
Date:	April 15, 2024
Project Number:	2024-01
Issued For:	
Construction Only:	04.15.24
Permit Review Comments:	5.03.24

**FLOOR PLAN &  
LIFE SAFETY PLAN**

**A1.1**

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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					



2  
E1.1 EMERGENCY LIGHTING WIRING DETAIL  
NO SCALE

GENERAL NOTES:

- 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.
- COORDINATE EXACT LOCATION OF ALL LIGHT AND EQUIPMENT SWITCHES WITH TENANT PRIOR TO ROUGH IN.
- VERIFY EXACT LOCATION OF LIGHTING FIXTURES AND CEILING HEIGHTS WITH ARCHITECTURAL PLANS.
- ALL EMERGENCY EGRESS/EXIT LIGHTING MUST BE ON THE LOCAL CIRCUIT AHEAD OF ANY SWITCHING. REFER TO DETAIL FOR ADDITIONAL REQUIREMENTS.

DRAWING NOTES:

- 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.



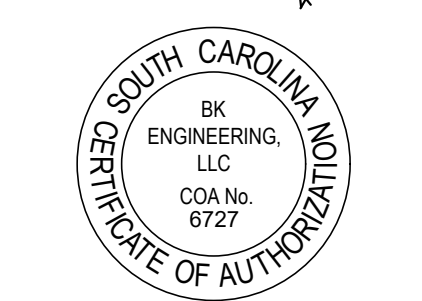
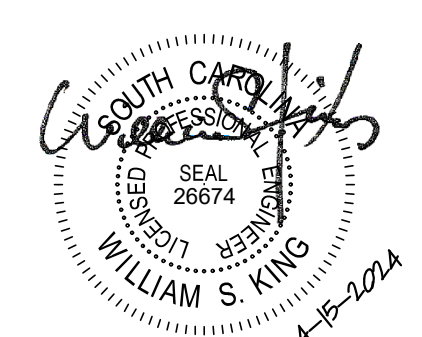
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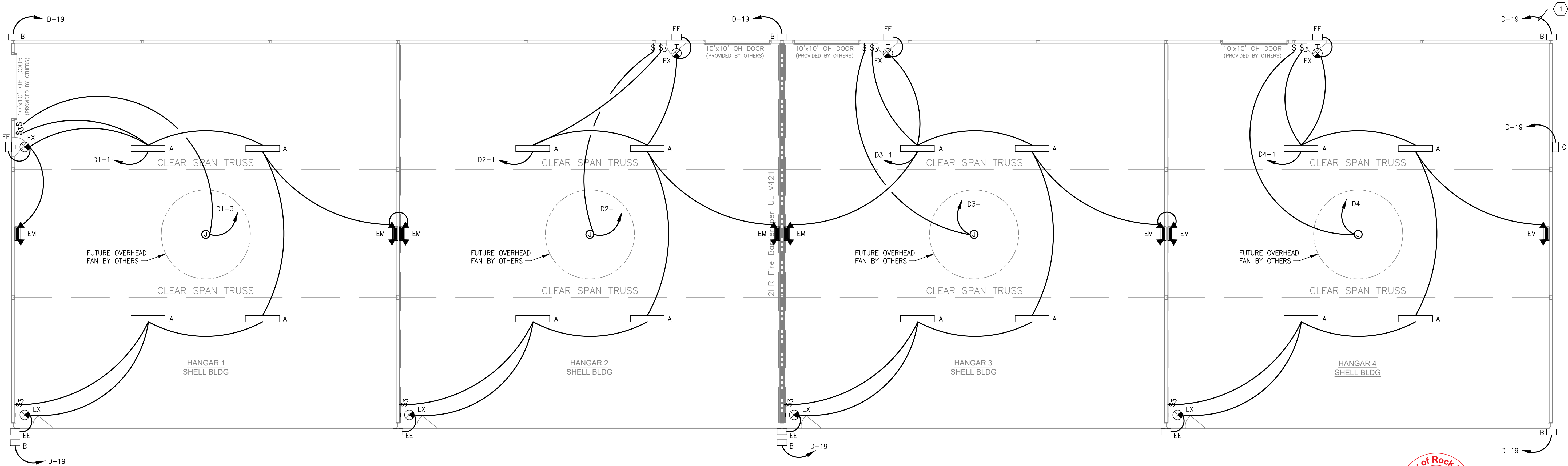
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6309 ARCHERFIELD CT.  
WAXHAW, NC 28173  
704-315-7736  
NORTH CAROLINA BOARD NO. P-2346

Seals:





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

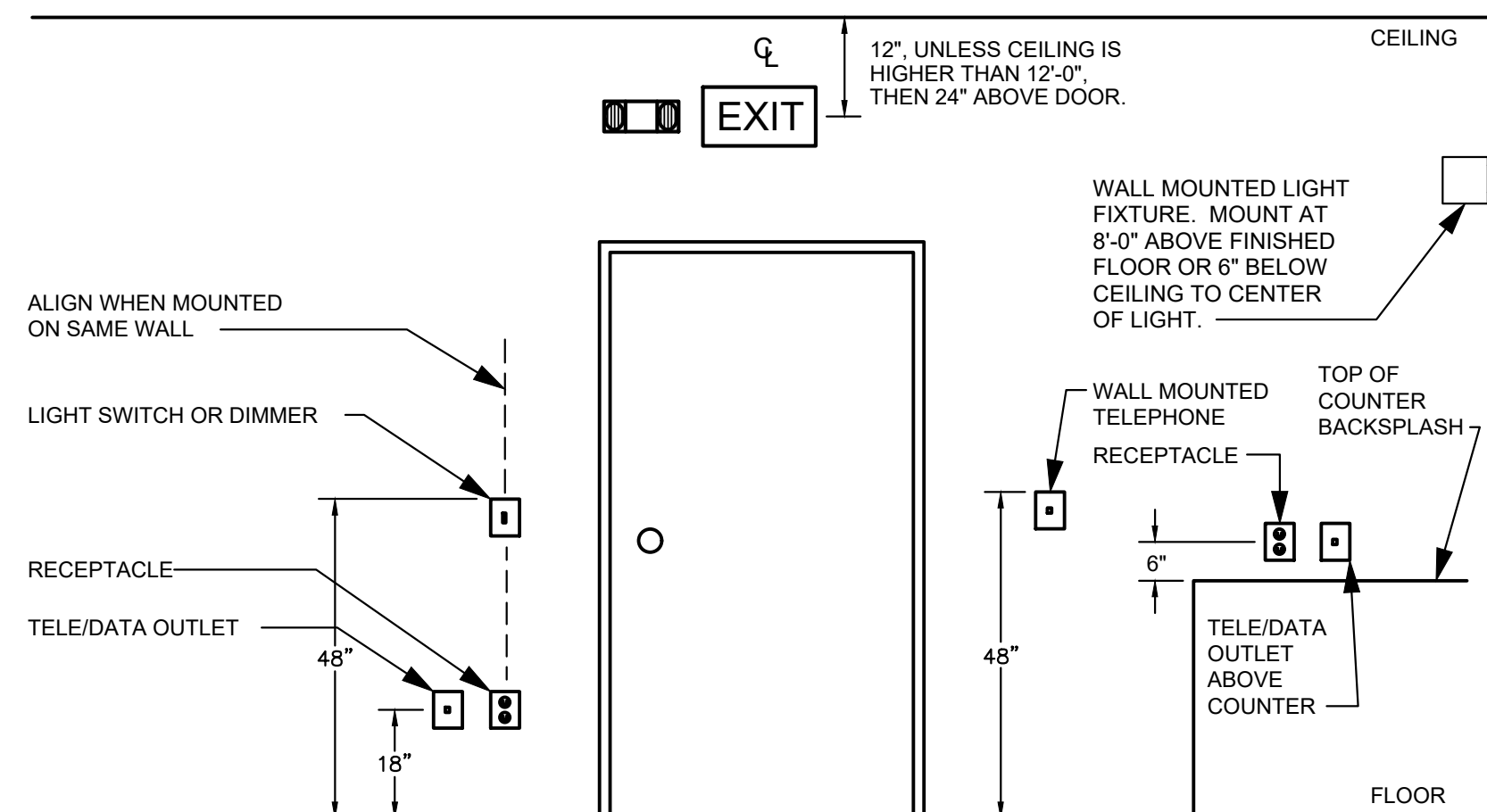


**APPROVED**  
05/16/2024  
Project No  
20222468

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
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Construction Only:	04.15.24
<b>ELECTRICAL FLOOR PLAN - LIGHTING</b>	
<b>E1.1</b>	
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- GENERAL NOTES:

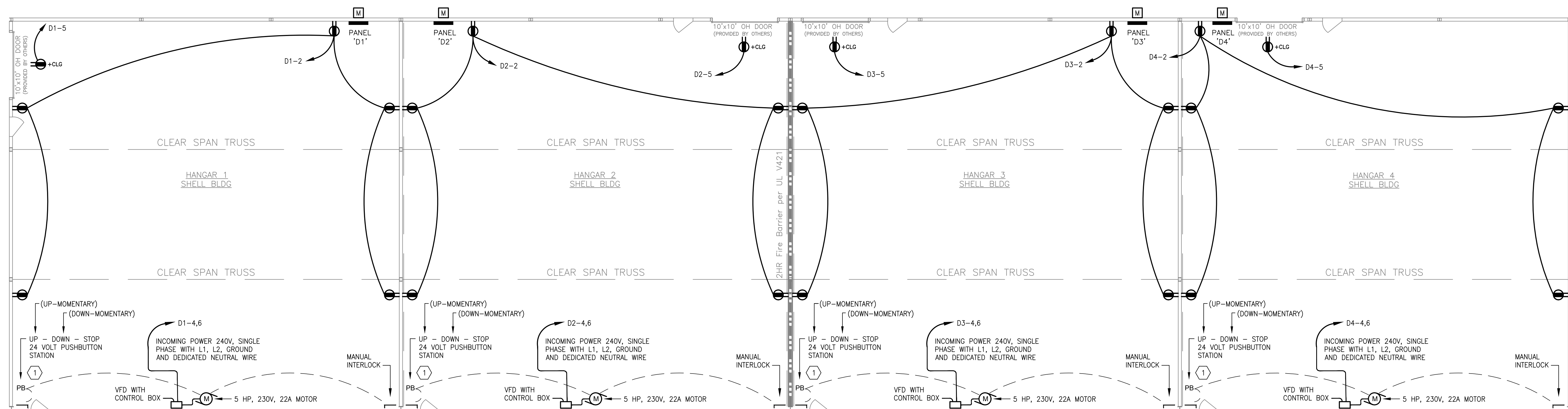
1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND VERIFY ALL WORKING CONDITIONS, CLEARANCES, AND REQUIREMENTS FOR PROVIDING A COMPLETE AND FUNCTIONAL SYSTEM. NO CHANGES IN THE CONTRACT OR CONTRACT SUM WILL BE MADE DUE TO THE FAILURE TO THOROUGHLY EXAMINE THE SITE AND CONDITIONS.
2. CONTRACTOR SHALL VERIFY ALL NEW EQUIPMENT LOCATIONS AND COORDINATE WITH CIRCUIT DEVICES LOCATIONS AS SHOWN ON PLAN PRIOR TO ROUGH-IN. VERIFY ALL VENDOR FURNISHED EQUIPMENT CONNECTION REQUIREMENTS PRIOR TO INSTALLATION OF ANY RECEPTABLES, 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.

## 2 DEVICE MOUNTING HEIGHTS DIAGRAM

### E1.2 NO SCALE



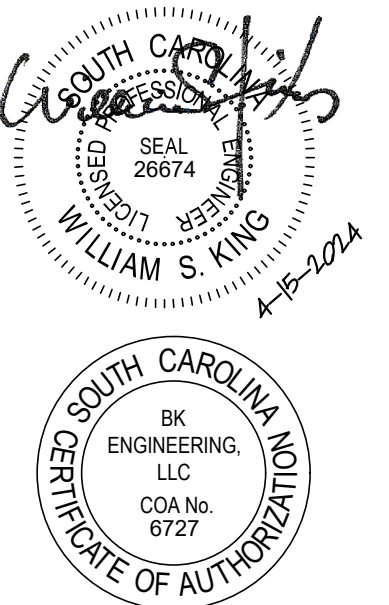
BUILDING 4032  
ELECTRICAL FLOOR PLAN - POWER



APPROVED  
05/16/2024  
Project No  
20222468



Seals:



# AIRPORT HANGAR

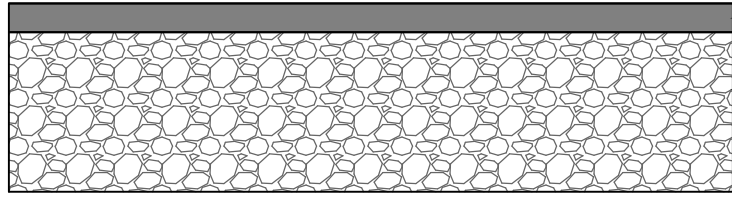
## Phase 2

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
<b>ELECTRICAL FLOOR PLAN - POWER</b>	
<b>E1.2</b>	
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PAVEMENT SECTION

PAVEMENT NOTES:

- SECTION AND SUBSEQUENT NOTES PROVIDED BY SUMMIT ENGINEERING, LABRATORY AND TESTING INC. PAVEMENT SECTION WILL WITHSTAND REQUIRED 80,000 LBS IN ALL WEATHER CONDITIONS.
- BASE COURSE MUST BE INSTALLED AGAINST SUITABLE SUBGRADE THAT PASSES PROOF ROLL.
- BASE COURSE SHALL BE COMPACTED TO 100% OF MODIFIED PROCTOR VALUE (ASTM D155)

OPEN SPACE/CANOPY SUMMARY	
AREA OF SITE	4.1 AC
OPEN SPACE REQUIRED	15%
TREE CANOPY RETENTION REQUIRED	10%
TREE CANOPY RETENTION	.78 AC (19%)
PROVIDED OPEN SPACE	1.06 AC (26%)
ALL OPEN SPACE WILL REMAIN IN IT'S NATURAL STATE. IT WILL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.	

SITE NOTES:

- THE ZONING FOR THE PROPERTY IS (IH & IG) AND SITE IS LOCATED ENTIRELY WITHIN THE ROCK HILL YORK COUNTY AIRPORT.
- NO PORTIONS OF THIS DEVELOPMENT FALLS WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA/NIP MAP NO 45091C0306E.
- STORMWATER MITIGATION MEASURES FOR WATER QUALITY AND WATER QUANTITY SHALL BE HANDLED WITH EXISTING AIRPORT MEASURES.

JOSEPH O. TAYLOR &  
SUE O. TAYLOR  
TAX MAP #589-00-00-014  
DB: 6495 - PG. 220  
ZONED: RMX-20  
USE: RESIDENTIAL

TRUSTEE OF EVANGELISTIC PENTECOSTAL GRACE CHURCH  
TAX MAP #589-00-00-010  
ZONED: PD

NATHANAEAL J BROOKS &  
KATELYN E BROOKS  
DB: 17749 - PG. 295  
TAX MAP #589-00-00-011  
ZONED: RMX-20  
USE: RESIDENTIAL

DANNY EDWARD LEAR &  
GLENDA RENEE FAILE LEAR  
DB: 1040 - PG. 332  
PB: 12 - PG. 222  
TAX MAP #589-00-00-017  
ZONED: RMX-20  
USE: RESIDENTIAL

ALVIS L. YATES &  
LASAINE M. YATES  
DB: 1096 - PG. 124  
PB: 97 - PG. 161  
TAX MAP #589-00-00-016  
ZONED: RMX-20  
USE: RESIDENTIAL



**APPROVED**  
05/16/2024  
Project No  
20222468

APPROVED-SUBJECT TO COMPLIANCE WITH THE  
CITY OF ROCK HILL STORMWATER MANAGEMENT & SEDIMENT CONTROL ORDINANCE.

Reviewed by: *[Signature]* On: 03/29/2024

Changes/Alterations not noted on these plans may void this permit #

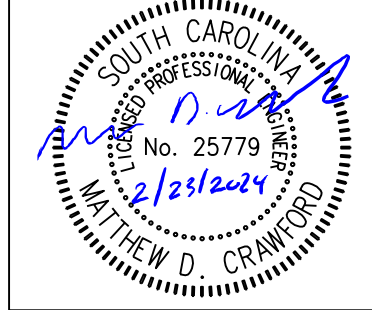


0 30' 60'

SCALE: 1" = 30'

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

Rock Hill Airport Hangars  
Phase II  
Rock Hill, South Carolina  
Overall Site Plan

PERMIT SET

Project Manager:  
Matthew D. Crawford, P.E.

Drawn By: TEA Checked By: MDC

Date: 02/23/2024

Scale: As Shown

Project No.:  
226052

Drawing No.:  
C3.0