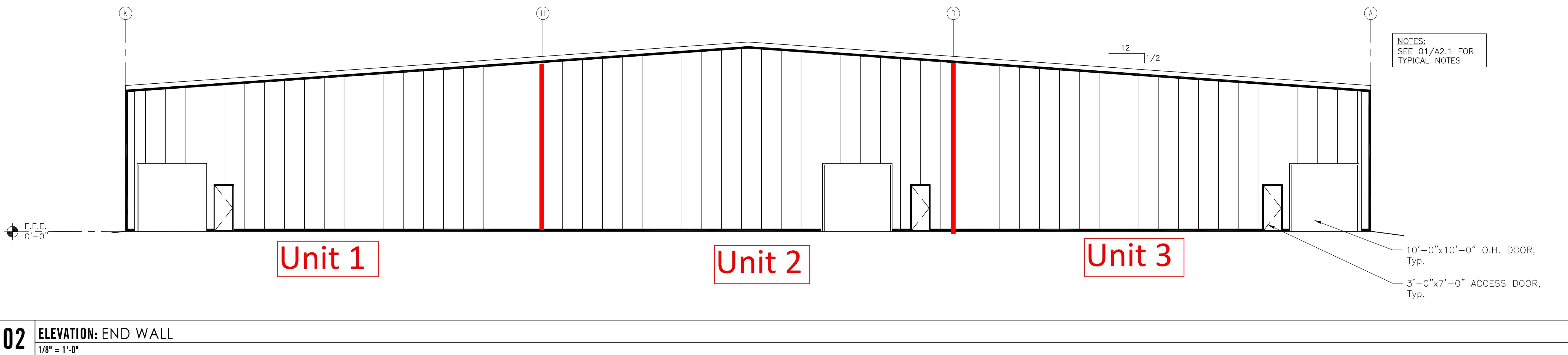
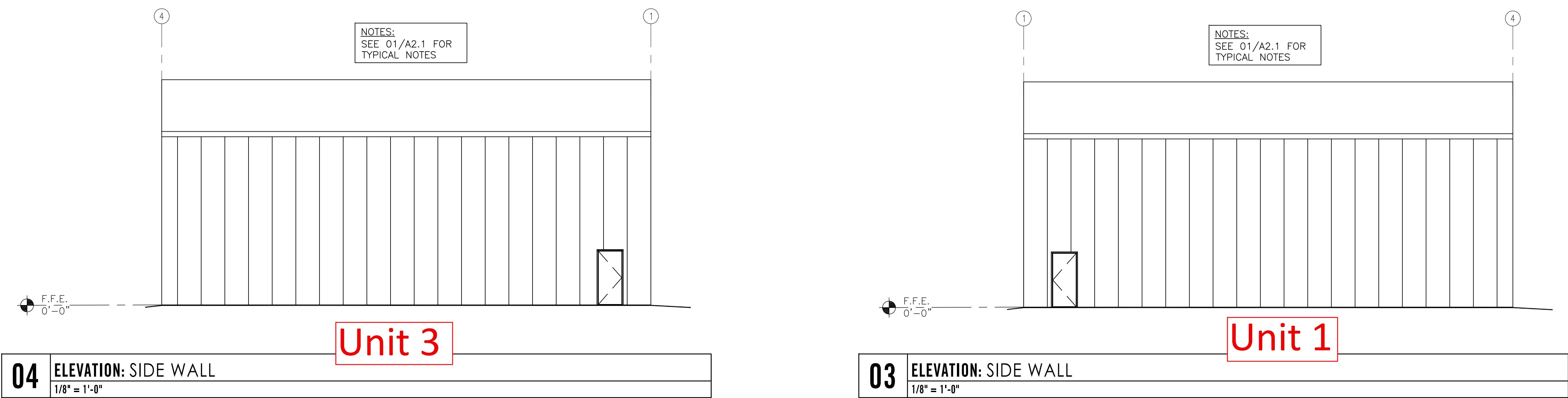


Seals:



SOSIDE TERMINAL HANGAR

BOX HANGAR
NEW CONSTRUCTION

ROCKHILL / YORK COUNTY

AIRPORT

492 AIRPORT ROAD

BOX HANGAR #1

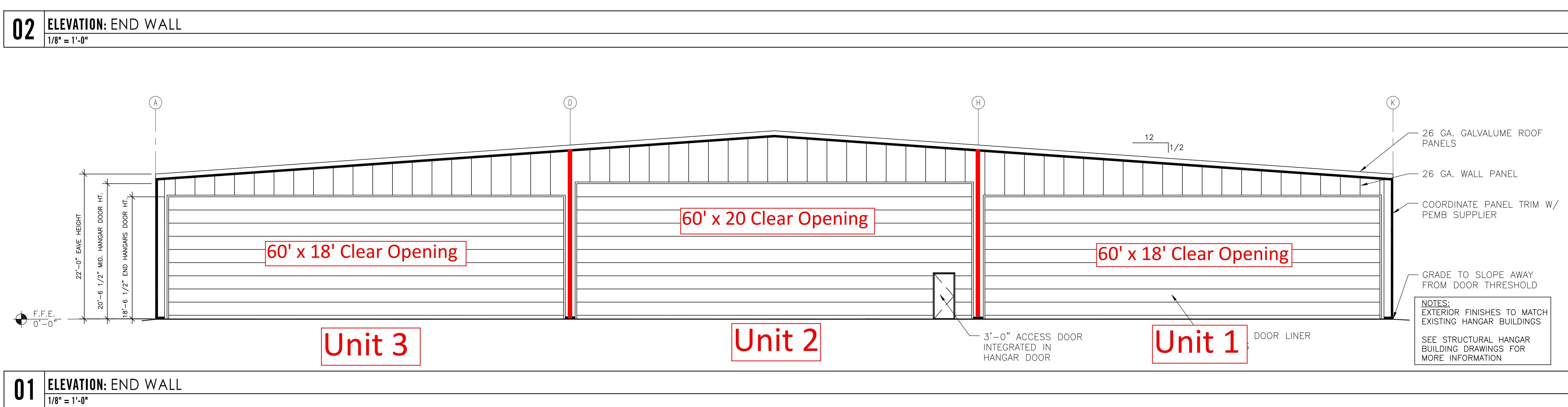
ROCKHILL, SC 29732

Date: December 1, 2025
Project Number: 2025-38
Issued For:
Construction Only: 12.01.2025
Permit Comments: 01.09.26

ELEVATIONS

A2.1

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Seals:

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:

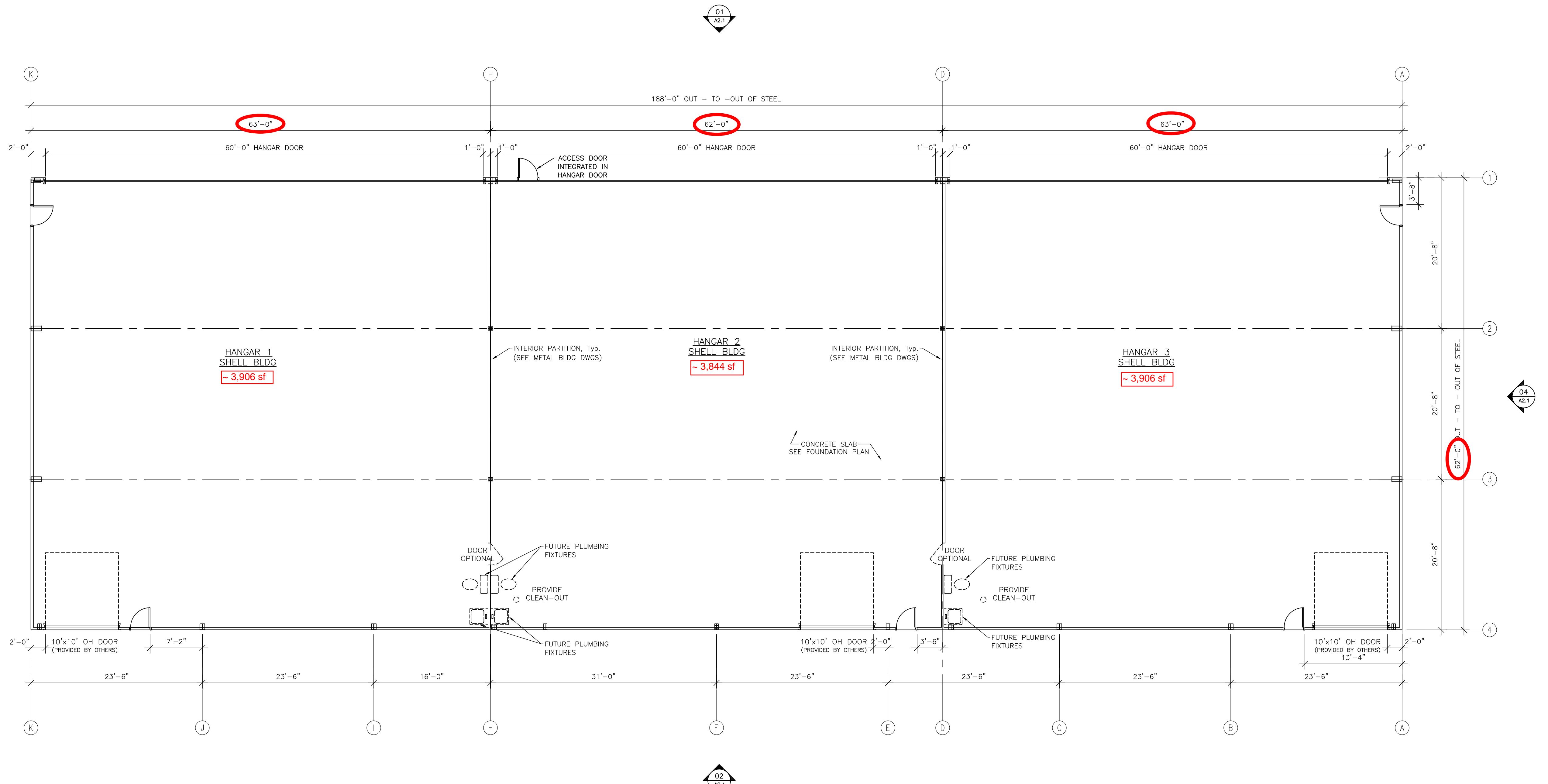
1. Doping
2. Hot work including, but not limited to, welding, torch cutting and torch soldering.
3. Fuel transfers
4. Fuel tank repair or maintenance not including defueled tanks in accordance with NFPA 409, inerted tanks or tanks that have never been fueled.
5. Spray finishing operations.
6. Total fuel capacity of the aircraft within the unseparated single fire areas (on 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/hanger).

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.

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 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 803.
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.



SOSIDE TERMINAL HANGAR
BOX HANGAR NEW CONSTRUCTION
ROCKHILL / YORK COUNTY AIRPORT
492 AIRPORT ROAD
BOX HANGAR #1
ROCKHILL, SC 29732

Date:	December 1, 2025
Project Number:	2025-38
Issued For:	
Construction Only:	12.01.2025
Permit Comments:	01.09.26
FLOOR PLAN	
A1.1	
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1242 Mann Drive Suite 200
Matthews, North Carolina 28105
704.841.1899
www.UrbanAIA.com

Seals:



**SOSIDE TERMINAL
HANGAR
BOX HANGAR #1
NEW CONSTRUCTION**

ROCKHILL YORK COUNTY
AIRPORT
492 AIRPORT ROAD
BOX HANGAR #1
ROCKHILL, SC 29732

Date: December 1, 2025
Project Number: 2025-38
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ELECTRICAL LIGHTING PLAN

E1.1

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LIGHT FIXTURE SCHEDULE							
TYPE	MANUFACTURER	CATALOG #	LUMENS/LAMPS	DRIVER	WATTS	VOLTAGE	DESCRIPTION
A	TO BE SELECTED BY CONTRACTOR/APPROVED BY OWNER	LED, 4000K	LED DRIVER	50W MAX	MVOLT	120V	1X4 LED STRIP LIGHT. CABLE SUSPENDED @ 13' A.F.F.
B	TO BE SELECTED BY CONTRACTOR/APPROVED BY OWNER	LED, 4000K	LED DRIVER	100W MAX	MVOLT	120V	EXTERIOR WALL PACK WET LOCATION LISTED. VERIFY MOUNTING WITH ARCHITECTURAL ELEVATIONS.
	TO BE SELECTED BY CONTRACTOR/APPROVED BY OWNER	LED	ELECTRONIC	2.5W/FACE	120V	120V	LED EDGE LIT EXIT SIGN WITH SELF-CONTAINED POWER PACK FOR 90MIN FUNCTION. NICAD BATTERY & RED LETTERS. (VERIFY LETTER COLOR WITH ARCH/INTERIORS) PROVIDE 2 AT EACH LOCATION. (ONE FOR LOW LEVEL EGRESS LIGHTING)
	TO BE SELECTED BY CONTRACTOR/APPROVED BY OWNER	2-1.8W LED	ELECTRONIC	10W	120V	120V	WALL MOUNTED SELF CONTAINED EMERGENCY LIGHT POLYCARBONATE HOUSING WITH SELF-CONTAINED POWER PACK FOR 90MIN. OPERATION. (VERIFY COLOR WITH ARCH/INTERIORS)
	TO BE SELECTED BY CONTRACTOR/APPROVED BY OWNER	2-1.8W LED	ELECTRONIC	10W	120V	120V	EXTERIOR WALL MOUNTED SELF CONTAINED EMERGENCY REMOTE HEADS. WITH 90 MINUTE BATTERY BACK UP. MOUNT AT 10'-0" A.F.F. (VERIFY COLOR WITH ARCH/INTERIORS)

Fixture Notes:

1. SUBSTITUTIONS MUST BE EQUAL IN CONSTRUCTION, FINISH, ENERGY USAGE AND PHOTOMETRY. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER, WITH CUTSHEETS AND PHOTOMETRY. THE ENGINEER MUST RECEIVE THESE WITH TIME ALLOWED TO REVIEW AND ISSUE A WRITTEN APPROVAL BACK TO THE SUBMITTING PARTY TEN(10) DAYS PRIOR TO BID. SUBSTITUTE FIXTURES SHALL BE USED IN CONSTRUCTION AND PROVIDED AS PER THE BID. IT IS THE ENGINEER AND OWNER CAN MAKE AN INFORMED DECISION. SUBSTITUTIONS WILL BE CONSIDERED AFTER THE 10 DAY PRIOR BID PROCESS ENDED.

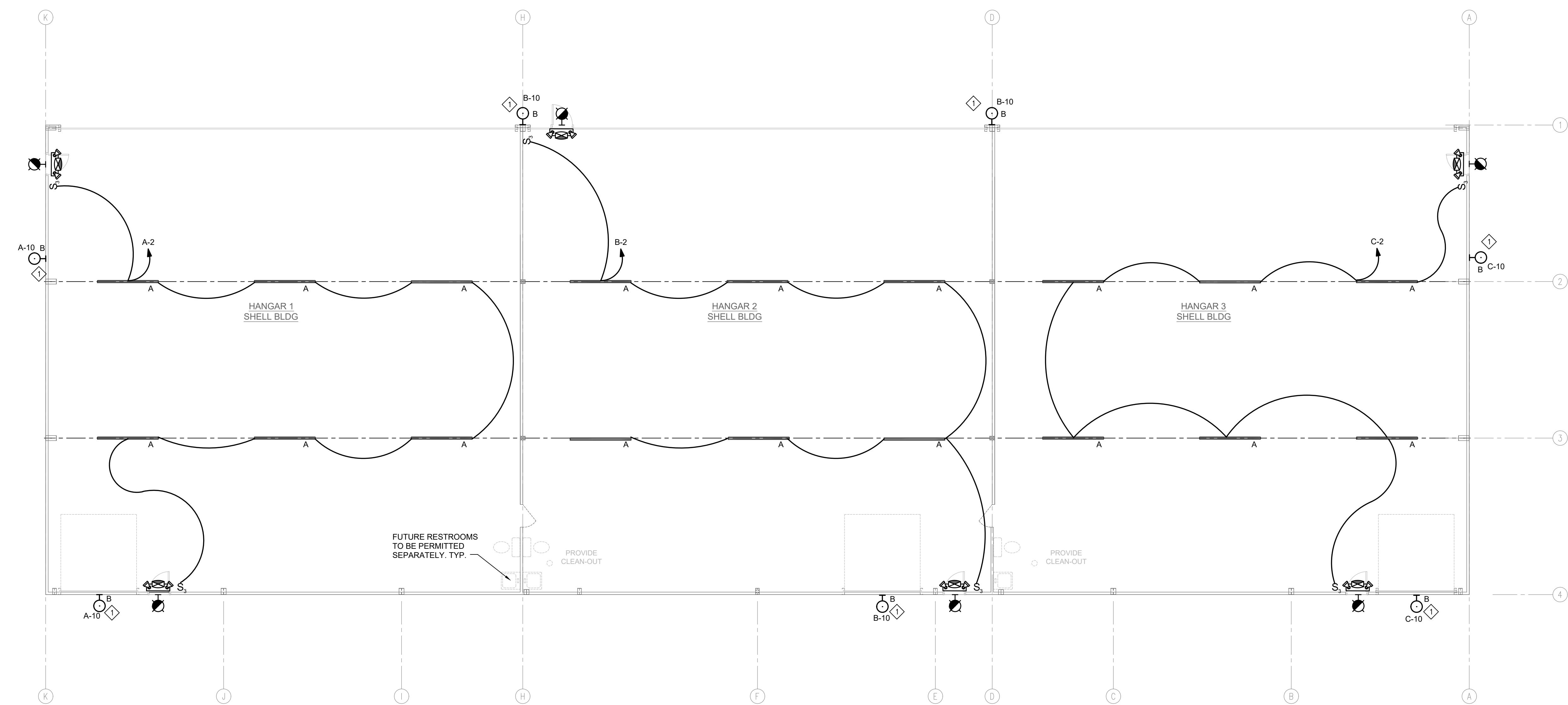
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
- ALIGN ALL HORIZONTAL LUMINAIRES SO THAT THE LIGHT SOURCES ARE ALIGNED IN THE SAME DIRECTION.
- GC TO VERIFY ALL FIXTURE COLOR WITH OWNER.
- SUSPEND ALL FOUR CORNERS WITH WIRE TO STRUCTURE. DO NOT ALLOW GRID ALONE TO SUPPORT FIXTURE.
- WHERE FIXTURE IS INDICATED AS EMERGENCY PROVIDE AN 1100 LUMEN INVERTER BATTERY PACK.
- FIXTURE FLANGES AND TRIMS SHALL MATCH CEILING TYPES.

KEYED NOTES THIS SHEET

- 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 IN A NON-OBSTRUCTED LOCATION ON THE ROOF. DO NOT FACE THE PHOTOCELL INTO MIDDAY SUN. IF THE PHOTO CONTROL IS INSTALLED ON THE SOUTH SIDE OF THE BUILDING, FACE THE PHOTOCELL EAST, WEST OR POINT TOWARDS THE GROUND.

GENERAL NOTES THIS SHEET

- THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY PER SECTION 1008.3 OF THE 2021 IBC. IN THE EVENT OF A POWER FAILURE AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE AREAS AS REQUIRED BY SECTION 1008.3.1 THROUGH 1008.3.5 OF THE 2021 IBC.
- EMERGENCY ILLUMINATION SHALL INCLUDE ALL REQUIRED MEANS OF EGRESS LIGHTING, ILLUMINATED EXIT SIGNS, AND ALL OTHER LIGHTS SPECIFIED AS NECESSARY TO PROVIDE REQUIRED ILLUMINATION. EMERGENCY LIGHTING SYSTEMS SHALL BE DESIGNED AND INSTALLED SO THAT THE FAILURE OF ANY INDIVIDUAL LIGHTING ELEMENT, SUCH AS THE BURNING OUT OF A LAMP, CANNOT LEAVE IN TOTAL DARKNESS ANY SPACE THAT REQUIRES EMERGENCY ILLUMINATION. WHERE AN EMERGENCY SYSTEM IS INSTALLED, EMERGENCY ILLUMINATION SHALL BE PROVIDED IN THE AREA OF THE DISCONNECTING MEANS REQUIRED BY 225.31 AND 230-70, AS APPLICABLE, WHERE DISCONNECTING MEANS ARE INSTALLED INDOORS AS PER ARTICLE 700.16 OF THE 2020 NEC.
- COORDINATE EXACT LOCATION OF LIGHTING FIXTURES AND CEILING HEIGHTS WITH ARCHITECTURAL PLANS.
- COORDINATE EXACT LOCATION OF ALL LIGHT EQUIPMENT SWITCHES WITH TENANT PRIOR TO ROUGH-IN.



ELECTRICAL LIGHTING PLAN

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

ELECTRICAL LIGHTING PLAN

E1.1

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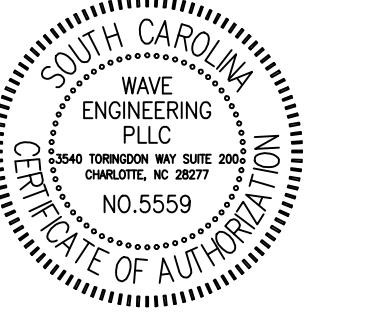
CHITECTURAL GROUP

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

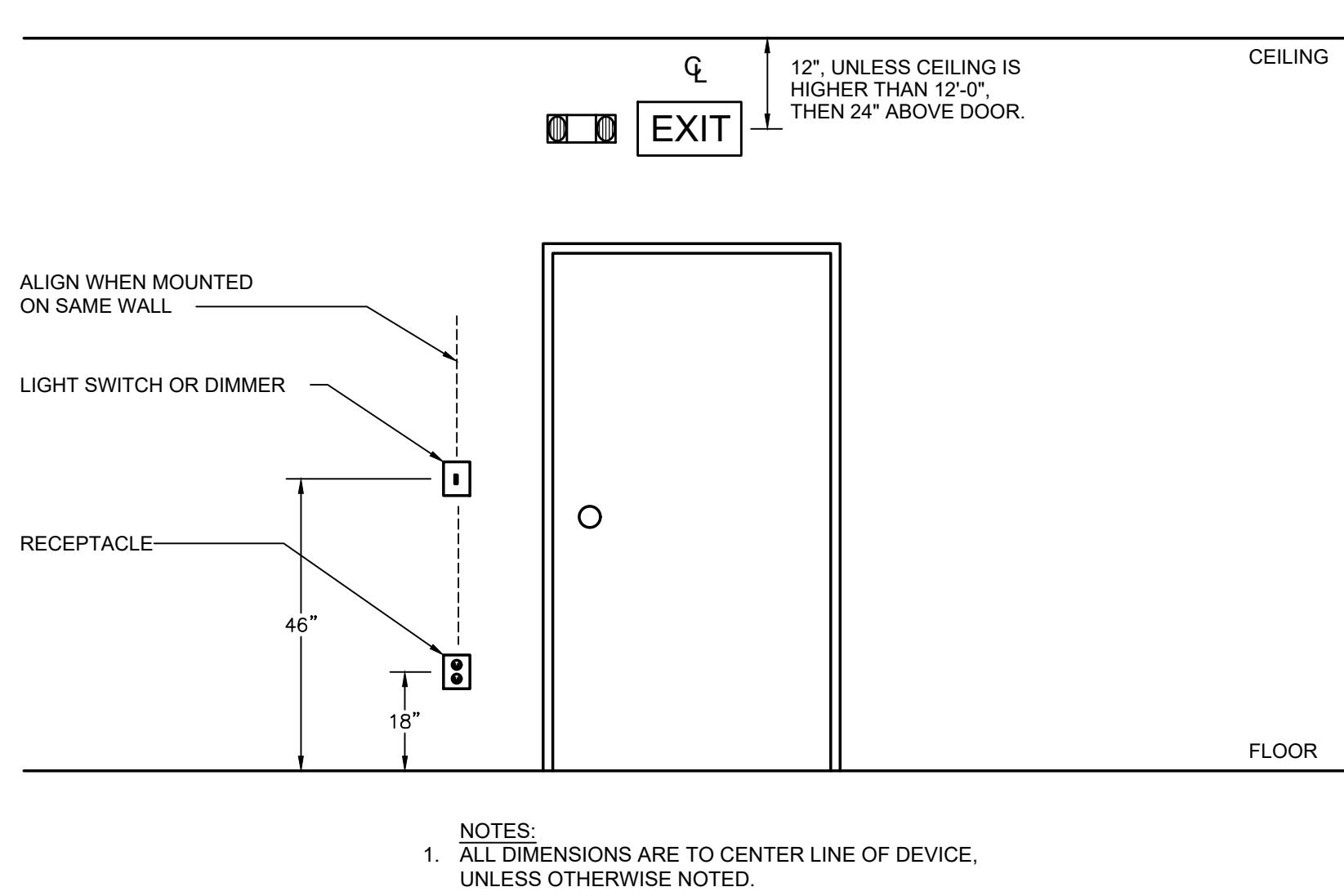
Seals:



01/09/2026



A. S. H. CHAN



KEYED NOTES THIS SHEET

1. PROVIDE MOTOR RATED TOGGLE SWITCH FOR HANGAR DOOR UP AND DOWN OPERATION. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
2. CEILING MOUNTED J-BOX FOR FUTURE FAN CONNECTION. VERIFY ALL REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.

GENERAL NOTES THIS SHEET

1. ALL CONNECTIONS SHALL BE COORDINATED WITH OTHER TRADES, FIELD LOCATIONS AND SHOP DRAWINGS PRIOR TO ANY ROUGH-IN WORK.
2. ALL NEW WIRING TO COMPLY WITH THE 2020 NEC.
3. FLASH PROTECTION WARNING LABELS REQUIRED ON SWITCHBOARDS, SWITCHGEAR, PANELBOARDS AND MOTOR CONTROL CENTERS PER ARTICLE 110.16 OF THE 2020 NEC.
4. EACH DISCONNECTING MEANS SHALL BE LEGIBLY MARKED TO INDICATE ITS PURPOSE UNLESS LOCATED AND ARRANGED SO THE PURPOSE IS EVIDENT. THE MARKINGS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED, AS PER ARTICLE 110.21(A) AND (B) OF THE 2020 NEC.
5. SPACES ABOUT ELECTRICAL EQUIPMENT MUST MEET THE REQUIREMENTS OF ARTICLE 110.26 (A-F) OF THE 2020 NEC.
6. GROUND FAULT CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL SHALL BE PROVIDED AS REQUIRED IN 210.8. THE GROUND FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION PER 2020 NEC.
7. RACEWAYS, CABLE ASSEMBLIES, BOXES, CABINETS, AND FITTINGS SHALL BE SECURELY FASTENED IN PLACE PER SECTION 300.11(A) OF THE 2020 NEC. SUPPORT WIRES THAT DO NOT PROVIDE SECURE SUPPORT SHALL NOT BE PERMITTED AS THE SOLE SUPPORT. SUPPORT WIRES AND ASSOCIATED FITTINGS THAT PROVIDE SECURE SUPPORT AND THAT ARE INSTALLED IN ADDITION TO THE CEILING GRID SUPPORT WIRES SHALL BE PERMITTED AS THE SOLE SUPPORT. WHERE INDEPENDENT SUPPORT WIRES ARE USED, THEY SHALL BE SECURED AT BOTH ENDS. CABLES AND RACEWAYS SHALL NOT BE SUPPORTED BY CEILING GRIDS PER SECTION 300.11 (B) OF THE 2020 NEC.

VOLTAGE DROP SCHEDULE

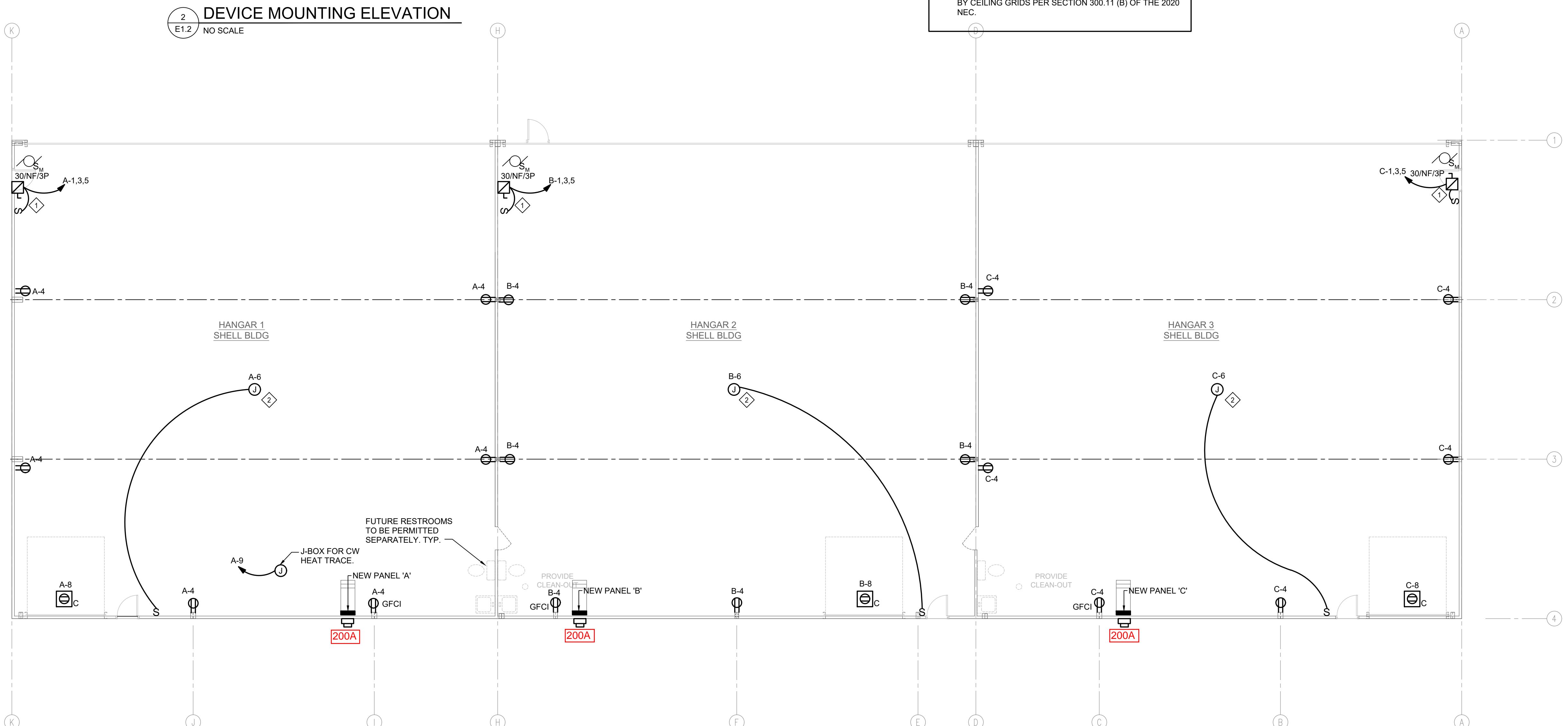
120 VOLT BRANCH CIRCUITS UP TO 8 AMPS			
RUN DISTANCE IN FEET		WIRE SIZE AWG	
1'	-	120'	#12
121'	-	190'	#10
191'	-	300'	#8
301'	-	470'	#6

120 VOLT BRANCH CIRCUITS 9 AMPS TO 14 AMPS			
RUN DISTANCE IN FEET		WIRE SIZE AWG	
1'	-	65'	#12
66'	-	110'	#10
111'	-	170'	#8
171'	-	270'	#6

277 VOLT BRANCH CIRCUITS UP TO 14 AMPS			
RUN DISTANCE IN FEET		WIRE SIZE AWG	
1'	-	160'	#12
161'	-	250'	#10
251'	-	390'	#8
391'	-	620'	#6

WIRE SIZES INDICATED IN PANEL SCHEDULES ARE MINIMUM WIRE SIZES. CONTRACTOR SHALL UPSIZE WIRES BASED ON LOAD AND LENGTH OF RUN AS INDICATED IN SCHEDULE ABOVE.			
--	--	--	--

WIRE SIZES INDICATED IN PANEL SCHEDULES ARE MINIMUM WIRE SIZES. CONTRACTOR SHALL UPSIZE WIRES BASED ON LOAD AND LENGTH OF RUN AS INDICATED IN SCHEDULE ABOVE.



1 ELECTRICAL POWER PLAN

E1.2 SCALE: 1/8" = 1'-0"

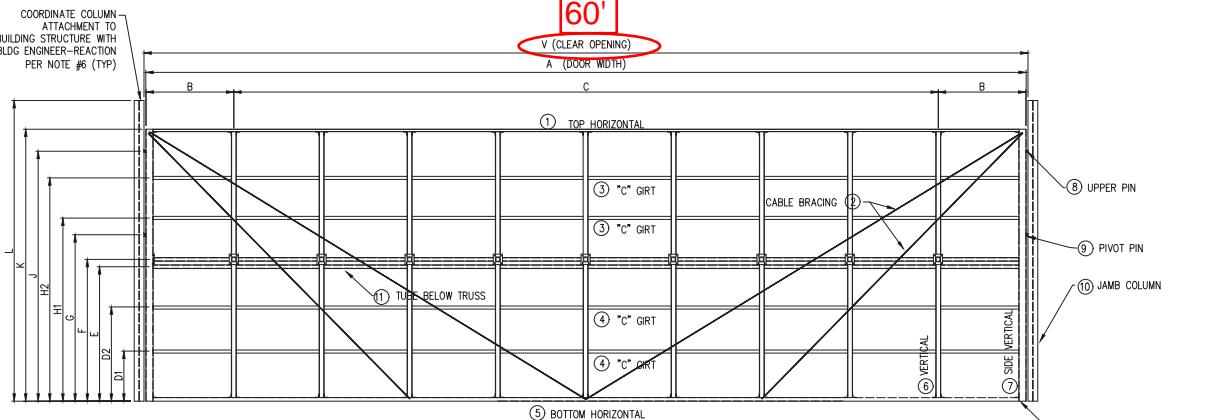
Date:	December 1, 2025
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Construction Only:	12.01.25
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ELECTRICAL POWER PLAN

E1.2

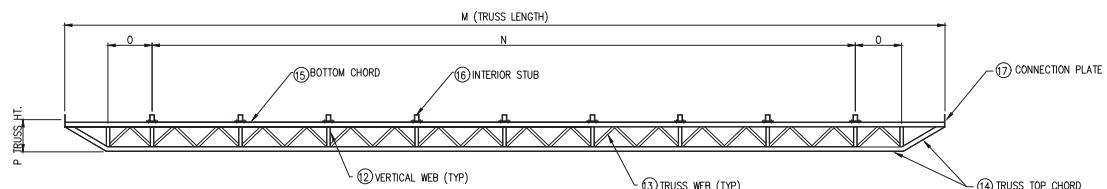
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UNIT #1 & 3 Door



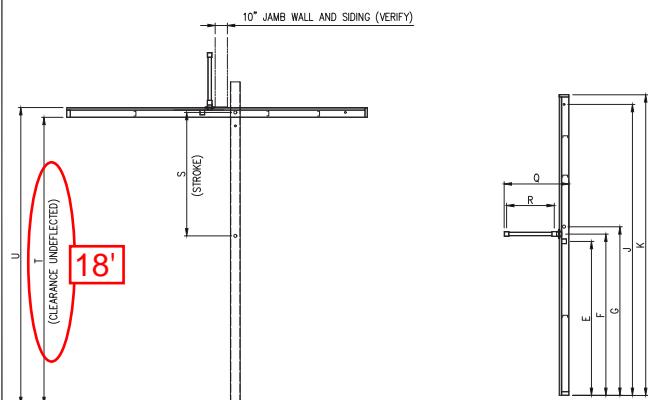
DOOR ELEVATION
SCALE: N.T.S.

SCALE: N.T.S.



TRUSS PLAN

SCALE: N.T.S.

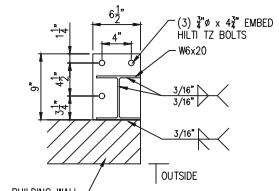


DOOR SECTION - OPEN

SCALE: N.T.S.

DOOR SECTION - CLOSED

SCALE: N. T.



BASE DETAIL

BASE
SCALE: N.T.

(LEFT SIDE SHOWN
RIGHT SIDE MIRRORED)

MATERIALS	TYPE	DESCRIPTION	REMARKS	DESCRIPTION	PERMIT
1 6x2x1 1/8 HSS	A500 GrB	TOP HORIZONTAL			
2 9300# BREAKING STRENGTH		CABLE BRACING			
3 CS4x2x070	A570 G50 COLD FORM	"C" GIRL			
4 CS4x2x070	A570 G50 COLD FORM	"C" GIRL			
5 4x2x3/16 HSS	A500 GrB	BOTTOM HORIZONTAL			
6 4x4x3/16 HSS	A500 GrB	INTERIOR VERTICAL			
7 6x4x3/8 HSS	A500 GrB	SIDE VERTICAL			
8 1.1/4"	A1045	UPPER PIN			
9 1.1/2"	A1045	PIVOT PIN			
10 W6x20	A992	JAMB COLUMN			
11 4x2x1 1/8 HSS	A500 GrB	TUBE BELOW TRUSS			
12 4x4x1 1/8 HSS	A500 GrB	VERTICAL WEB			
13 2x2x3/16 ANGLE	A36	TRUSS WEB			
14 4x4x3/16 HSS	A500 GrB	TRUSS TOP CHORD			
15 4x4x3/8 HSS	A500 GrB	TRUSS BOTTOM CHORD			
16 4x3x3/16 HSS	A500 GrB	INTERIOR STUB			
17 14" x 0.625" PLATE	A36	CONNECTION PLATE			

DIMENSIONS

A	50°-9"
B	5°-10°-1/2"
C	8 SPA. @ 6°-0" = 48°-0"
D1	4°-0"
D2	N/A
E	8°-0"
F	8°-6"
G	10°-3"
H1	11°-10"
H2	15°-2"
J	16°-9"
K	18°-7"
L	20°-1"
M	50°-1"
N	32 SPA. @ 1°-6" = 48°-0"
O	3°-0"
P	2°-10"
Q	3°-6"
R	2°-6"
S	8°-0"
T	18°-0"
U	18°-6"
V	60°-0"

Juston
Fluckey

1/7/26

114023-0607

JF
SE

DRAWING IS NOT TO SCALE AND IS FOR FABRICATION ONLY. DIMENSIONS MAY VARY DUE TO FABRICATOR TOLERANCES OR PREFERENCES. PRIOR TO ORDERING AND INSTALLING SHEETING, WINDOWS, DOORS, ETC., OWNER AND/OR CONTRACTOR SHALL CONTACT HIGHER POWER DOORS FOR A TRIM & CUT SHEET.

NOTES

1. PROJECT LOCATION: ROCK HILL, SOUTH CAROLINA.
2. DOOR MAY NOT BE OPERATED, OPEN OR PARTIALLY OPEN WITH WIND SPEEDS V100 = 50 MPH (3-SECOND GUST).
3. DOOR DESIGNED AS A MWRS (DOOR AREA = 700 SF).
4. WIND DATA (ALL DATA IS ULTIMATE)
5. RISK CATEGORY: C
6. WIND SPEED: C
- 4A.Volt (CLOSED POSITION) = 115 MPH
DESIGN WIND PRESSURES: 24.7 PSF, -2.16 PSF
- 4B.Volt (OPENING POSITION) = 50 MPH
DESIGN WIND PRESSURES: 4.7 PSF, -4.1 PSF
- 4C.Volt (OPEN POSITION) = 50 MPH
DESIGN WIND PRESSURES: 3.1 PSF, -5.6 PSF
5. OWNER TO PROVIDE SIDING MEETING CODE REQUIREMENTS FOR DOOR, SECURE TO FRAMING PER CODE, AT 12" MAXIMUM SPACING
6. LATERAL REACTIONS FROM DOOR TO BUILDING (WORKING STRESS) = 4,000# @ TOP OF COLUMN (PER COLUMN)
4,500# @ MID POINT (PER COLUMN)
7. VERT. DEFLECTIONS TO THE SLAB = 4,500# (PER COLUMN)
8. DEAD LOAD DEFLECTIONS:
 - 1st VERTICAL DEFLECTION IN THE OPEN POSITION
 - 1st VERTICAL DEFLECTION AS THE DOOR BEGINS TO OPEN
 - 1st HORIZONTAL DEFLECTION AT TOP OF DOOR WHEN CLOSED
9. $\Delta = 0.26 \times C_0 \times 0.08$

The logo for Higher Power Hydraulic Doors. It features the company name in a bold, black, sans-serif font. A red, semi-circular graphic arches over the top of the text. A small, solid red circle is positioned above the letter 'P' in 'POWER'.

1400 Territorial Rd. Benton Harbor, MI 49022
(269) 927-8990 PH (269) 927-1400 FAX

TITLE DIMENSIONAL PLAN
60'-0" x 18'-6 1/2" OPENING, 115 MPH
PROJECT YORK COUNTY AIRPORT
ROCK HILL, SOUTH CAROLINA

UNIT #2 Door

