

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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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.

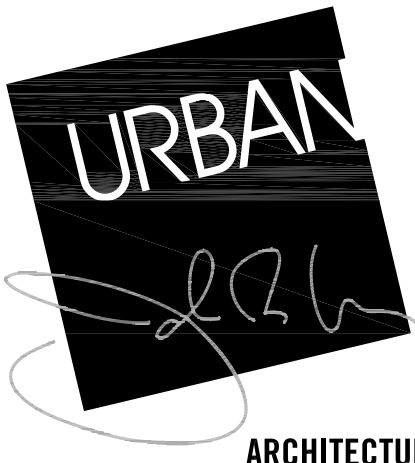
1. Doping.
2. Hot work including, but not limited to, welding, torch cutting and torch soldering.
3. Fuel transfer.
4. Fuel tank repair or maintenance not including defueled tanks in accordance with NFPA 409, inerted tanks or tanks that have never been fueled.
5. Spray finishing operations.
6. Total 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.

GENERAL NOTES

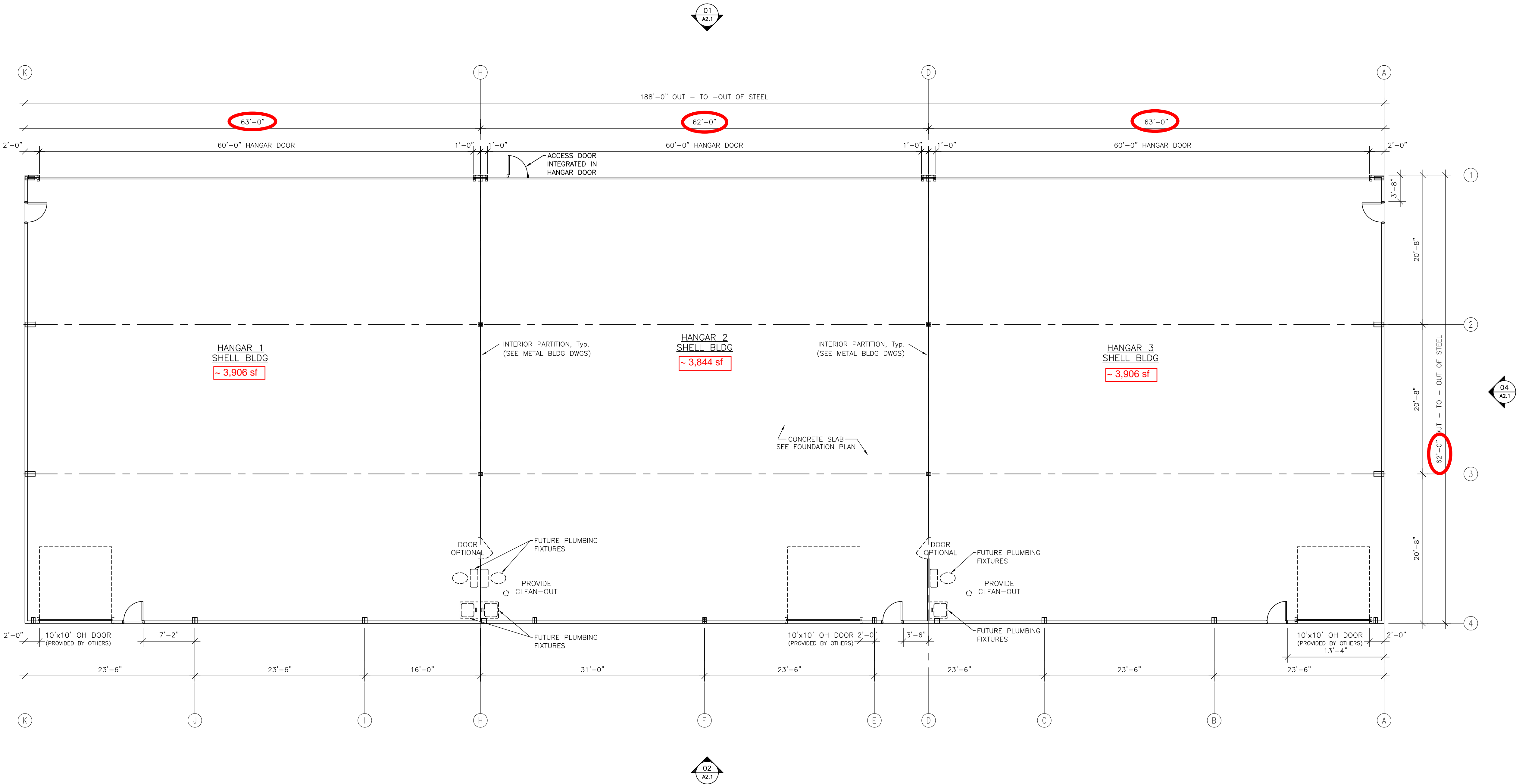
1. Do not scale drawings. If dimensions are in question, obtain clarification from architect.
2. Where a detail, typical detail, section, typical section or plan note is shown for one condition, it shall apply for similar or like conditions unless noted otherwise.
3. General Contractor shall install 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.



ARCHITECTURAL GROUP

1242 Mann Drive Suite 200
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FLOOR PLAN

A1.1

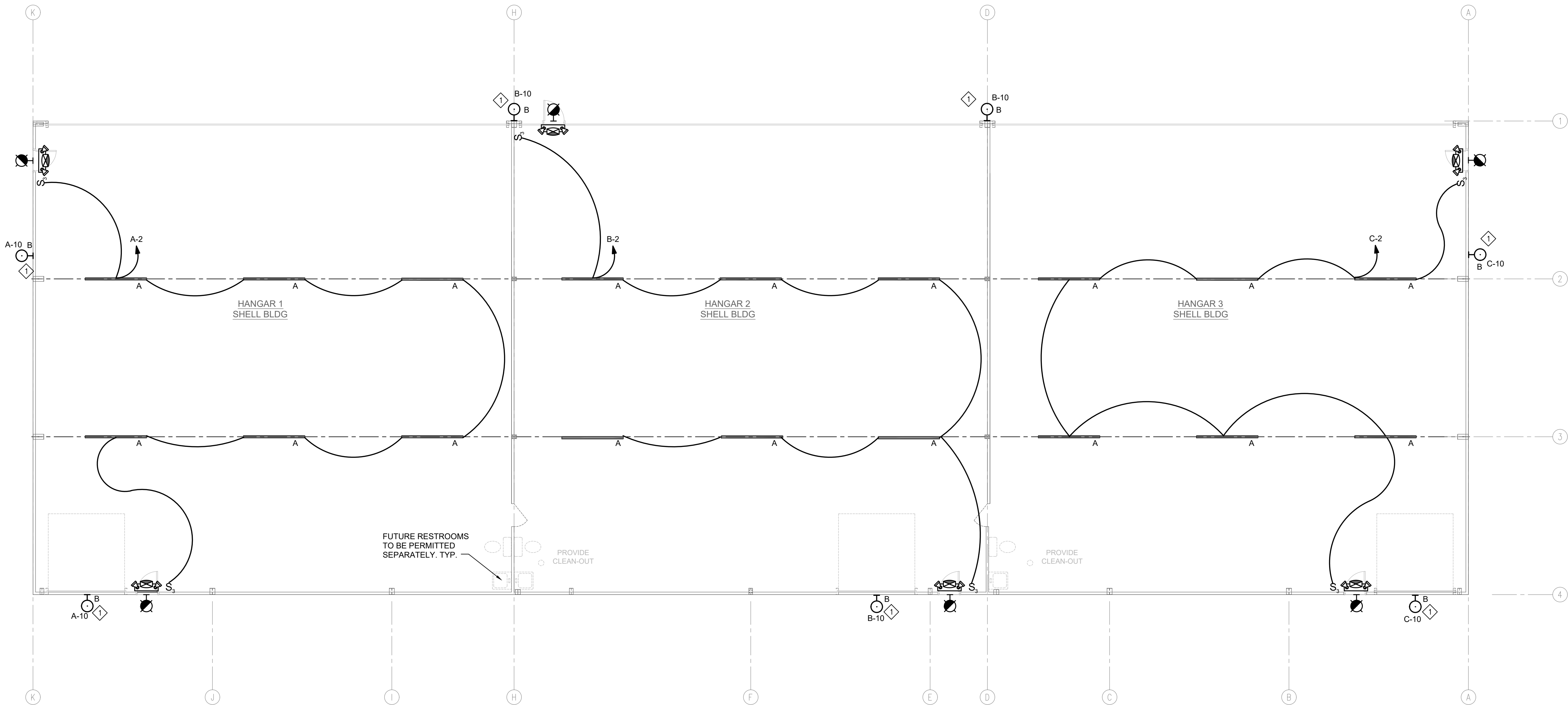
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01 FLOOR PLAN: FLOOR PLAN
1/8" = 1'-0"

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	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	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	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	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	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 LISTED SEPARATELY AND UNIT PRICED AT TIME OF BID, SO THAT THE ENGINEER AND OWNER CAN MAKE AN INFORMED DECISION. NO SUBSTITUTIONS WILL BE CONSIDERED AFTER THE 10 DAY PRIOR BID PROCESS ENDED.							
2. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.							
3. ALIGN ALL HORIZONTAL LUMINAIRES SO THAT THE LIGHT SOURCES ARE ALIGNED IN THE SAME DIRECTION.							
4. GC TO VERIFY ALL FIXTURE COLOR WITH OWNER.							
5. SUSPEND ALL FOUR CORNERS WITH WIRE TO STRUCTURE. DO NOT ALLOW GRID ALONE TO SUPPORT FIXTURE.							
6. WHERE FIXTURE IS INDICATED AS EMERGENCY PROVIDE AN 1100 LUMEN INVERTER BATTERY PACK							
7. 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.

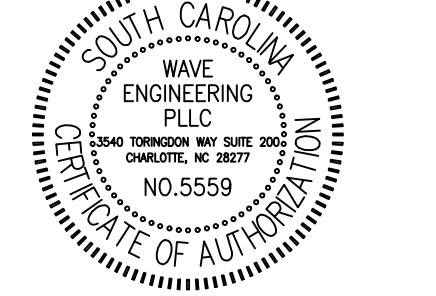
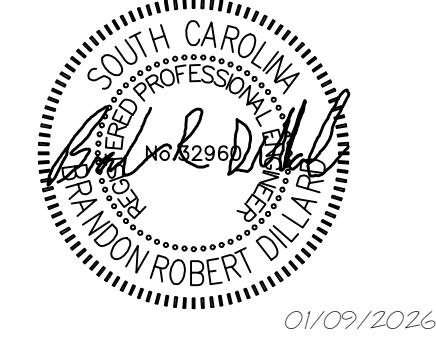


1 ELECTRICAL LIGHTING PLAN
E1.1 SCALE: 1/8" = 1'-0"



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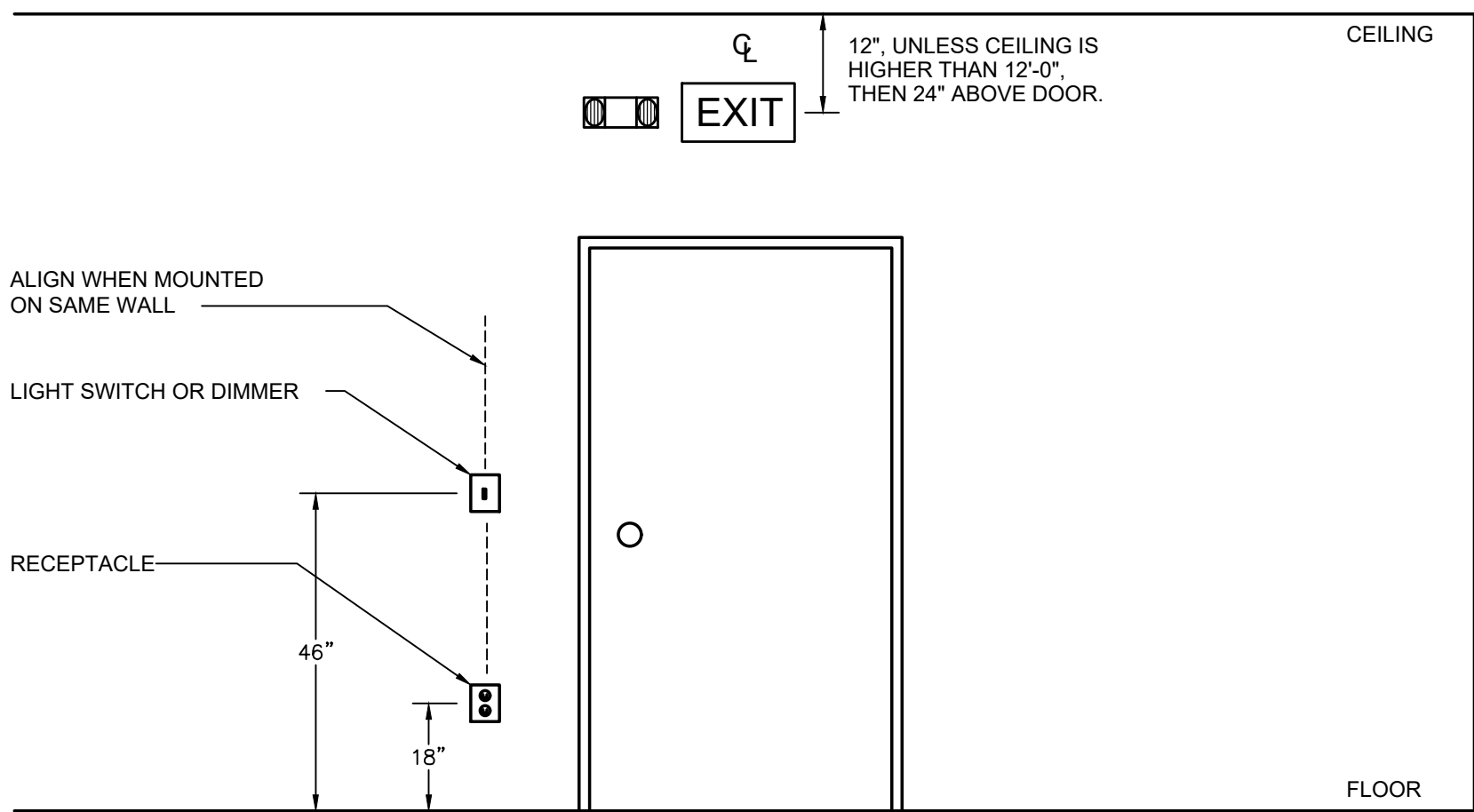
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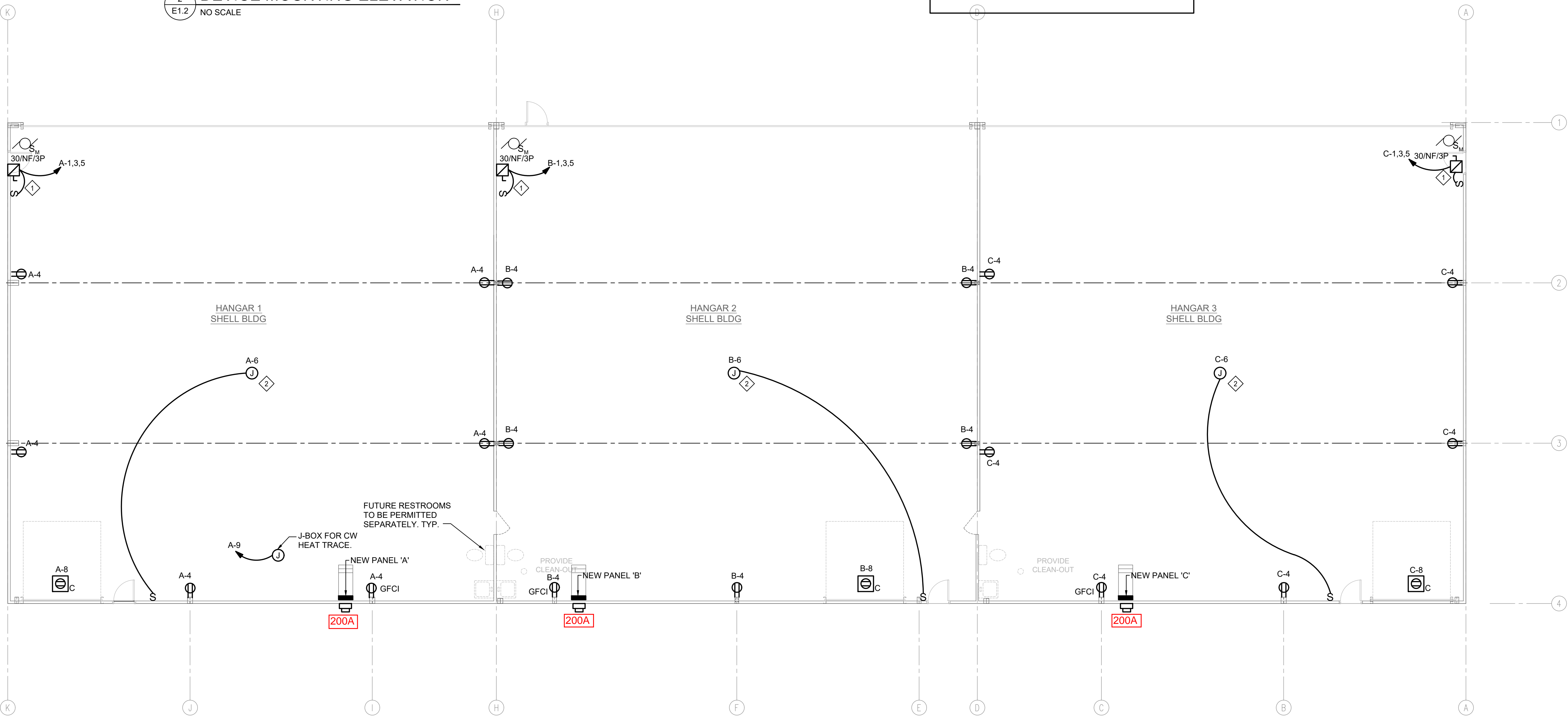
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ELECTRICAL LIGHTING PLAN	
E1.1	
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NOTES:
1. ALL DIMENSIONS ARE TO CENTER LINE OF DEVICE, UNLESS OTHERWISE NOTED.

2 DEVICE MOUNTING ELEVATION

E1.2 NO SCALE



1 ELECTRICAL POWER PLAN

E1.2 SCALE: 1/8\"/>

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

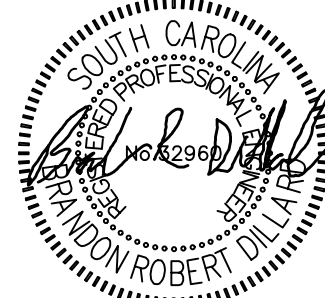
WIRE SIZES INDICATED IN PANEL SCHEDULES ARE MINIMUM WIRE SIZES. CONTRACTOR SHALL UPSIZE WIRES BASED ON LOAD AND LENGTH OF RUN AS INDICATED IN SCHEDULE ABOVE.



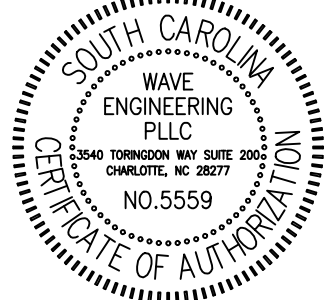
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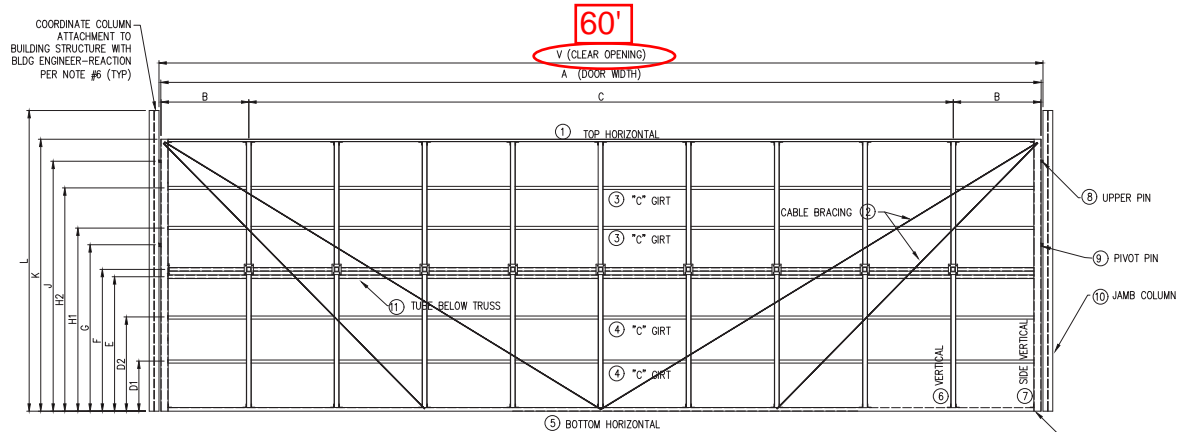
Date: December 1, 2025
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ELECTRICAL POWER PLAN

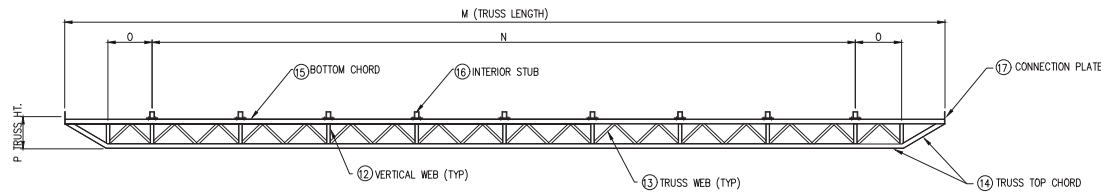
E1.2

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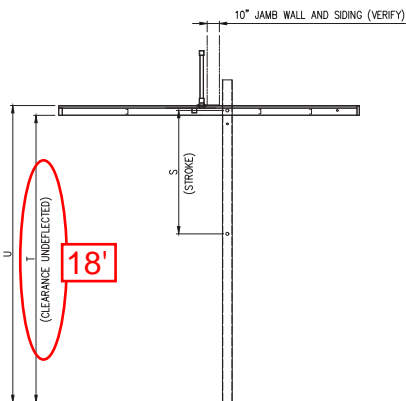
UNIT #1 & 3 Door



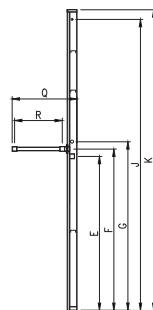
DOOR ELEVATION
SCALE: N.T.S.



TRUSS PLAN
SCALE: N.T.S.

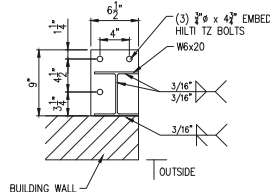


DOOR SECTION - OPEN
SCALE: N.T.S.



DOOR SECTION - CLOSED
SCALE: N.T.S.

BUILDING OWNER IS RESPONSIBLE FOR DESIGNING THE SUPPORTING SLAB/FOOTING, FOR THE BASE PLATE AND ANCHOR PATTERN SHOWN, AND FOR THE ALLOWABLE STRESS DESIGN LOADS SHOWN IN NOTES 6 AND 7.



BASE DETAIL
SCALE: N.T.S.
(LEFT SIDE SHOWN
RIGHT SIDE MIRRORRED)

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:**
- PROJECT LOCATION: ROCK HILL, SOUTH CAROLINA.
 - DOOR MAY NOT BE OPERATED, OPEN OR PARTIALLY OPEN WITH WIND SPEEDS WALT-50 MPH (3-SECOND GUST).
 - DOOR DESIGNED AS A MWFRS (DOOR AREA > 700 SFT.).
 - WIND DATA (ALL DATA IS ULTIMATE)
RISK CATEGORY II
WIND EXPOSURE C
4A. VULT (CLOSED POSITION) = 115 MPH
DESIGN WIND PRESSURES: 24.7 PSF, -21.6 PSF
4B. VULT (OPEN POSITION) = 50 MPH
DESIGN WIND PRESSURES: 4.7 PSF, -4.1 PSF
4C. VULT (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 SPACINGS.
6. LATERAL REACTIONS FROM DOOR TO BUILDING (WORKING STRESS)
= 4,000# @ TOP OF COLUMN (PER COLUMN)
= 4,500# @ SLAB (PER COLUMN)
7. VERTICAL REACTION TO THE SLAB = 4,500# (PER COLUMN)
8. DEAD LOAD DEFLECTIONS:
1" VERTICAL DEFLECTION IN THE OPEN POSITION
2" VERTICAL DEFLECTION AS THE DOOR BEGINS TO OPEN
3" HORIZONTAL DEFLECTION AT TOP OF DOOR WHEN CLOSED
9" Sds = 0.24; Cs = 0.08

	MATERIALS	TYPE	DESCRIPTION	REMARKS
1	6x2x1/8 HSS	A500 GrB	TOP HORIZONTAL	
2	9300#	BREAKING STRENGTH	CABLE BRACING	
3	CS4x2x070	A570 Gr50 COLD FORM	"C" GRT	
4	CS4x2x070	A570 Gr50 COLD FORM	"C" GRT	
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	4x2x1/8 HSS	A500 GrB	TUBE BELOW TRUSS	
12	4x4x1/8 HSS	A500 GrB	VERTICAL WEB	
13	2x2x3/16 ANGLE	A36	TRUSS WEB	
14	4x4x3/16 HSS	A500 GrB	TRUSS TOP CHORD	
15	4x4x1/8 HSS	A500 GrB	TRUSS BOTTOM CHORD	
16	4x3x3/16 HSS	A500 GrB	INTERIOR STUB	
17	14" x 0.625"	A36	CONNECTION PLATE	

DIMENSIONS	
A	59'-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	59'-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"

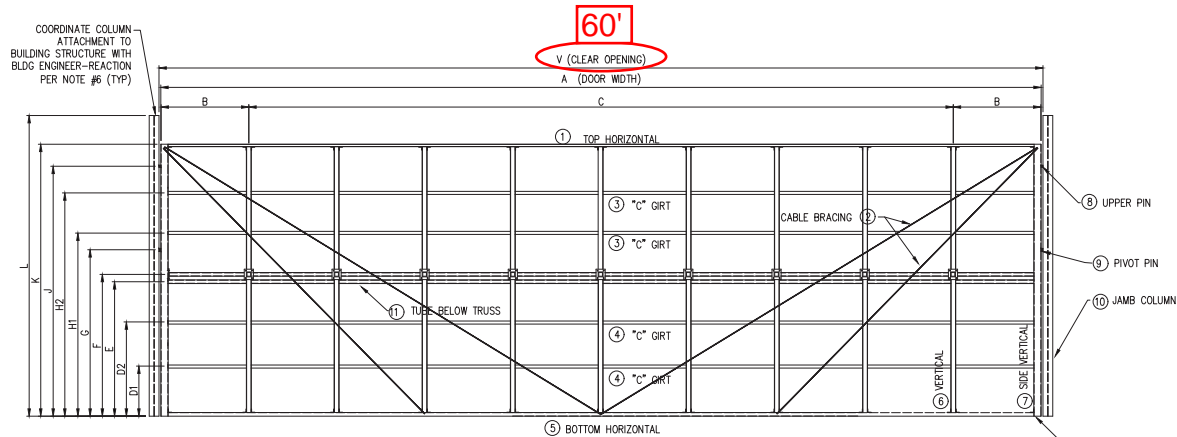
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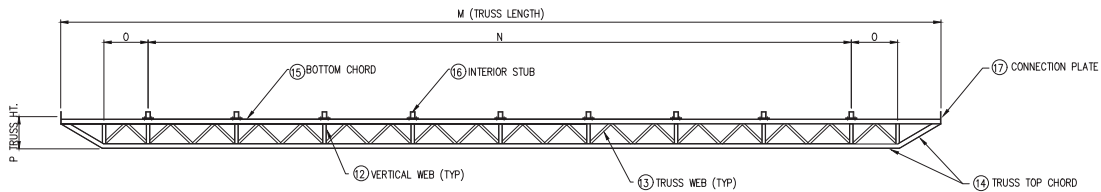
TITLE DIMENSIONAL PLAN
60'-0" x 18'-6 1/2" OPENING, 115 MPH
PROJECT YORK COUNTY AIRPORT
ROCK HILL, SOUTH CAROLINA
SHEET S-1
PROJECT NO. 25102
DRAWN BY BKV
APPROVED BY JAB
DATE 12/08/2025
SCALE AS NOTED

**HIGHER POWER
HYDRAULIC DOORS**
1400 Territorial Rd. Benton Harbor, MI 49022
(269) 927-8990 PH (269) 027-1400 FAX

UNIT #2 Door



DOOR ELEVATION
SCALE: N.T.S.

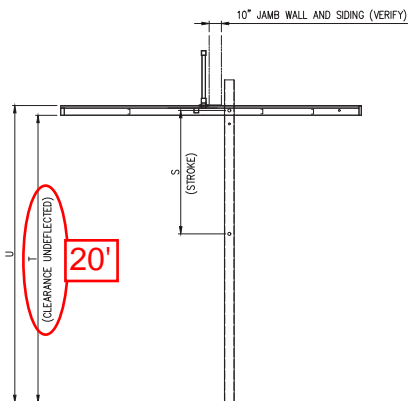


TRUSS PLAN
SCALE: N.T.S.

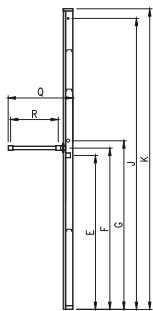
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	MATERIALS	TYPE	DESCRIPTION	REMARKS
1	6x2x3/16 HSS	A500 GrB	TOP HORIZONTAL	
2		9600# BREAKING STRENGTH	CABLE BRACING	
3	CSA x2x070	A570 G50 COLD FORM	"C" GIRT	
4	CSA x2x070	A570 G50 COLD FORM	"C" GIRT	
5	4x2x1/8 HSS	A500 GrB	BOTTOM HORIZONTAL	
6	4x4x3/16 HSS	A500 GrB	INTERIOR VERTICAL	
7	6x4x3/16 HSS	A500 GrB	SIDE VERTICAL	
8	1 1/4"	A1045	UPPER PIN	
9	1 1/2"	A1045	PIVOT PIN	
10	WBx20	A992	JAMB COLUMN	
11	4x2x1/8 HSS	A500 GrB	TUBE BELOW TRUSS	
12	4x4x1/8 HSS	A500 GrB	VERTICAL WEB	
13	2x2x3/16 ANGLE	A36	TRUSS WEB	
14	4x4x3/16 HSS	A500 GrB	TRUSS TOP CHORD	
15	4x4x1/8 HSS	A500 GrB	TRUSS BOTTOM CHORD	
16	4x3x1/4 HSS	A500 GrB	INTERIOR STUB	
17	14" x 0.625" PLATE	A36	CONNECTION PLATE	

DIMENSIONS	
A	$59^{\circ}-9^{\circ}$
B	$5\ 10-1\ 1/2^{\circ}$
C	$8\ 59-A \oplus 6^{\circ}-0^{\circ} = 48^{\circ}-0^{\circ}$
D1	$3^{\circ}-2^{\circ}$
D2	$6^{\circ}-4^{\circ}$
E	$9\ 6-1\ 1/2^{\circ}$
F	$10^{\circ}-0\ 1\ 1/2^{\circ}$
G	$11^{\circ}-9\ 1\ 1/2^{\circ}$
H	$13^{\circ}-2^{\circ}$
H2	$16^{\circ}-10^{\circ}$
J	$18^{\circ}-6^{\circ}$
K	$20^{\circ}-7^{\circ}$
L	$22^{\circ}-1^{\circ}$
M	$59^{\circ}-1^{\circ}$
N	$3\ 2\ 39A \oplus 1^{\circ}-6^{\circ} = 48^{\circ}-0^{\circ}$
O	$3^{\circ}-0^{\circ}$
P	$2^{\circ}-10^{\circ}$
Q	$3^{\circ}-7^{\circ}$
R	$2^{\circ}-6^{\circ}$
S	$8\ 6-5\ 1\ 1/2^{\circ}$
T	$20^{\circ}-0^{\circ}$
U	$20^{\circ}-6^{\circ}$
V	$60^{\circ}-0^{\circ}$

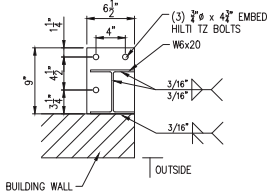


DOOR SECTION - OPEN
SCALE: N.T.S.



DOOR SECTION - CLOSED
SCALE: N.T.S.

BUILDING OWNER IS RESPONSIBLE FOR DESIGNING THE SUPPORTING SLAB/FOOTING, FOR THE BASE PLATE AND ANCHOR PATTERN SHOWN, AND FOR THE ALLOWABLE STRESS DESIGN LOADS SHOWN IN NOTES 6 AND 7.



BASE DETAIL
SCALE: N.T.S.

(LEFT SIDE SHOWN
RIGHT SIDE MIRRORED)

- NOTES:
1. PROJECT LOCATION: ROCK HILL, SOUTH CAROLINA.
 2. DOOR MAY NOT BE OPERATED, OPEN OR PARTIALLY OPEN WITH WIND SPEEDS ≥ 50 MPH (≥ 3 -second gust).
 3. DOOR DESIGNED AS A MWFRS (DOOR AREA > 700 SFT).
 4. WIND DATA (ALL DATA IS ULTIMATE)
- RISK CATEGORY II
- WIND EXPOSURE: C
- 4.1 WIND (CLOSED POSITION) = 115 MPH
DESIGN WIND PRESSURES: 24.7 PSF, -21.6 PSF
- 4.2 WIND (OPENING POSITION) = 50 MPH
DESIGN WIND PRESSURES: 4.7 PSF, -4.1 PSF
- 4.3 WIND (OPEN POSITION) = 50 MPH
DESIGN WIND PRESSURES: 3.1 PSF, -5.6 PSF
5. OWNER TO PROVIDE SIGHTING MEETING CODE REQUIREMENTS FOR DOOR, SECURE TO FRAMING PER CODE, AT 12" MAXIMUM SPACINGS.
6. LATERAL REGION: FROM DOOR TO BUILDING (WORKING STRESS):
= 4,500# < TOP OF COLUMN (PER COLUMN)
= 5,000# < SLAB (PER COLUMN)
7. VERTICAL REACTION TO THE SLAB = 5,000# (PER COLUMN)
8. DEAD LOAD DEFLECTIONS:
1" VERTICAL DEFLECTION IN THE OPEN POSITION
2" VERTICAL DEFLECTION AS THE DOOR BEGINS TO OPEN
1" HORIZONTAL DEFLECTION AT TOP OF DOOR WHEN CLOSED
9. Sds = 0.24; Cs = 0.08



Juston
Fluckey

Digitally signed
by Jason
Flickey
Date: 2026.01.07
11:41:05 -0600

TITLE DIMENSIONAL PLAN
60'-0" x 20'-6 1/2" OPENING, 115 MPH
PROJECT YORK COUNTY AIRPORT
ROCK HILL, SOUTH CAROLINA

DEVELOPMENT DATA

SITE ACREAGE: 309.12 AC. DEEDED, 308.68 AC. MAPPED

TAX PARCEL #: 5890101004
PLAT BOOK: D222 PG. 7 & 8

SITE ADDRESS: 550 AIRPORT ROAD, ROCK HILL, SC 29732

OWNER: CITY OF ROCK HILL

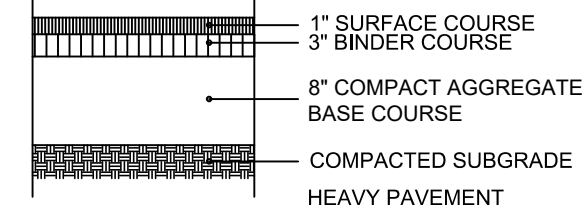
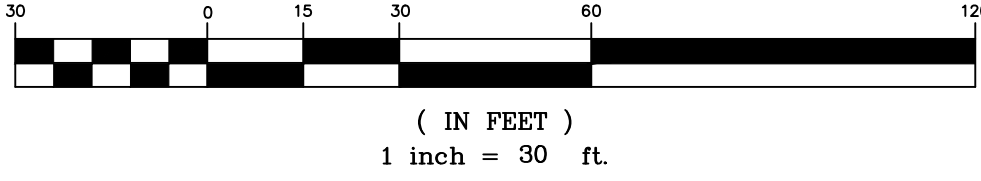
OWNER ADDRESS: P.O. BOX 11706, ROCK HILL, SC 29730

ZONING : IH
*SITE IS LOCATED IN AIRPORT OVERLAY ZONE

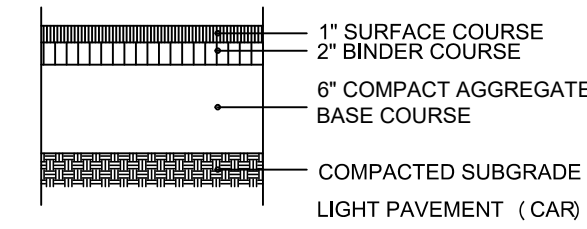
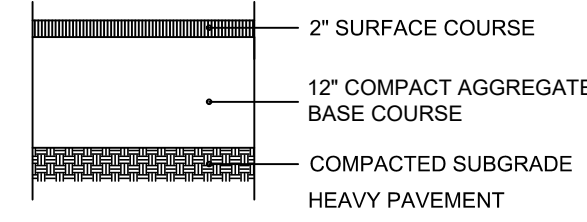
PROPOSED USE: HANGAR BUILDINGS AT EXISTING AIRPORT

HEAVY DUTY PAVEMENT AREA: 19,928.74 S.F.
LIGHT DUTY PAVEMENT AREA: 8,159.77 S.F.

GRAPHIC SCALE

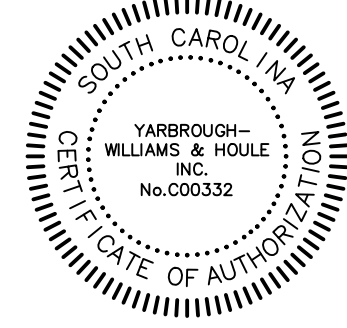
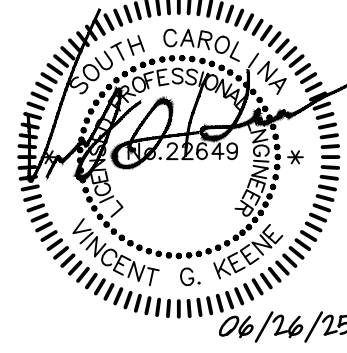
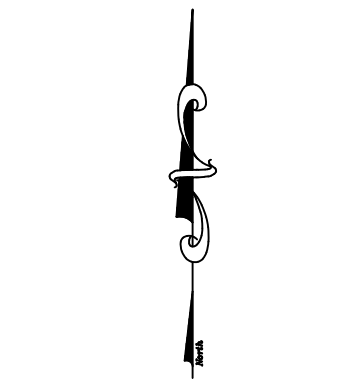
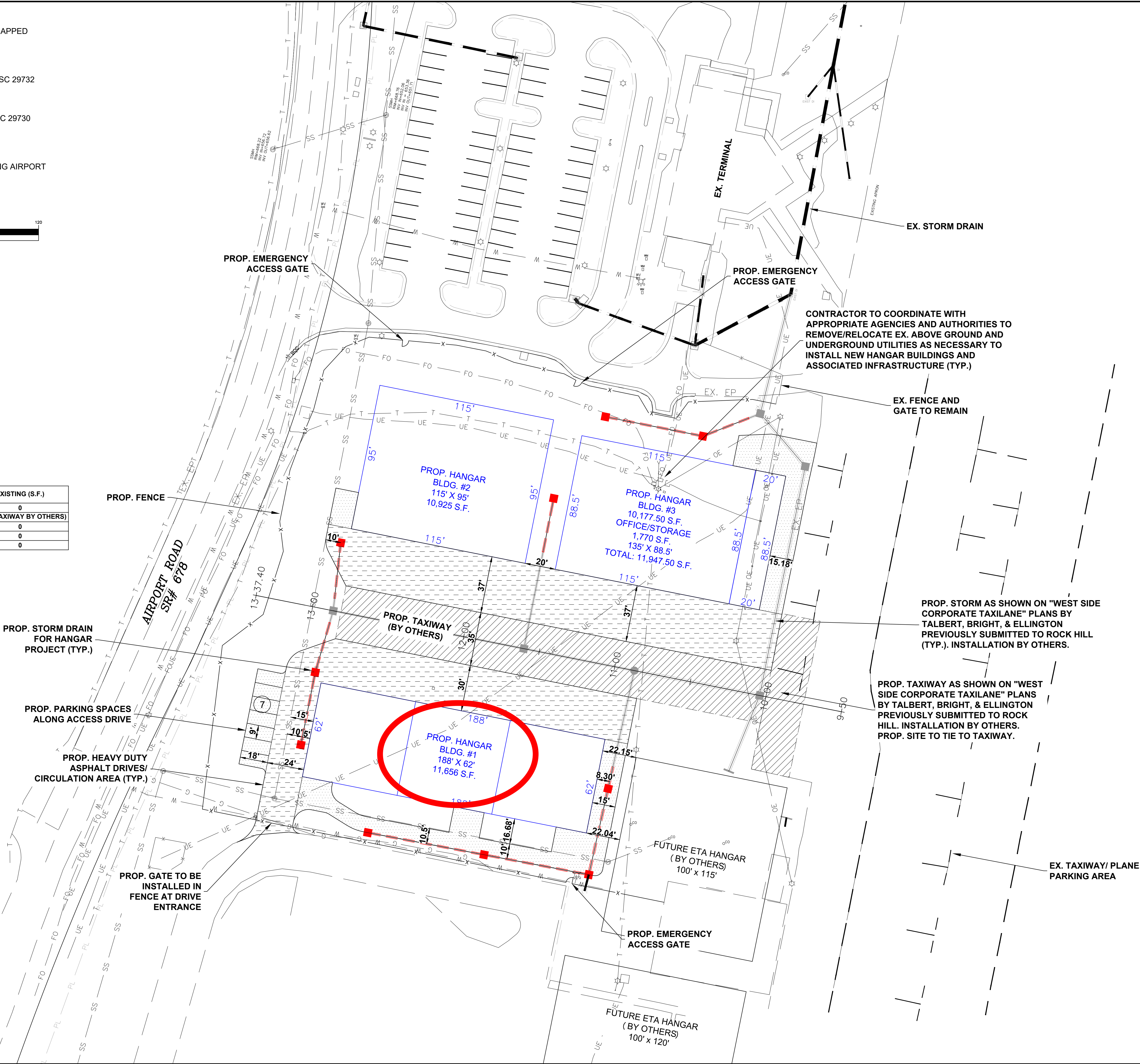
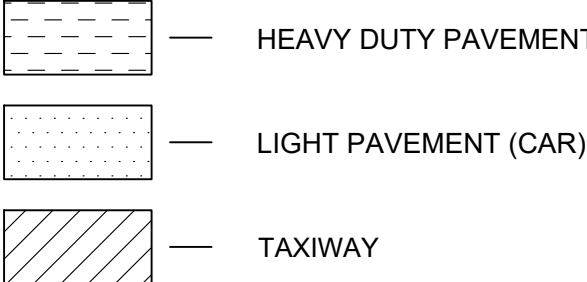


OR



PAVEMENT SECTIONS
NO SCALE

TYPE OF IMPERVIOUS AREA	NEW (S.F.)	EXISTING (S.F.)
ROOF	34,528.50	0
ASPHALT	28,089	9,846 (TAXIWAY BY OTHERS)
CONCRETE	0	0
OTHER HARD SURFACE (GRAVEL, ETC.)	0	0
WATER SURFACE (WET POND)	0	0



YARBROUGH-WILLIAMS & HOULE, INC.
Planning & Engineering
730 Windsor Oak Court
Charlotte, North Carolina 28104
P.O. Box 1188
Raleigh, North Carolina 27602
919.555.0505 (local)
919.555.0505 (toll-free)



PROJECT NO. 1263
SCALE 1" = 30'
DATE 04/04/25
DRAWN BY VCK
CHECKED BY VCK

SHEET TITLE
SITE PLAN
PROJECT
ROCK HILL/YORK COUNTY AIRPORT
CITY OF ROCK HILL, YORK COUNTY, SC
FOR: SOSIDE TERMINAL ASSOCIATION, INC.

DRAWING NO.

1263

SHT 3 OF 17 SHTS