

NOTES:

1. FURR OUT WALLS FOR PANELS.
2. PROVIDE #10 AWG FOR ANY CIRCUIT OVER 60" 0" IN LENGTH AND #8 AWG FOR ANY CIRCUIT OVER 100' 0" IN LENGTH. ALL CIRCUIT BREAKERS SHALL BE 15 AMP.
3. ROUTING IN TYPICAL ROOMS SHOWN FOR CIRCUIT ONLY. SEE TYPICAL ROOM PLANS FOR CONNECTIONS, SWITCHING & MOUNTING HEIGHT.
4. MAINTAIN ALL CEILING & WALL FIRE RATINGS AS SHOWN. SEE THE ARCHITECTURAL PLANS PER U.L. ASSEMBLY. SEAL PENETRATIONS AS REQUIRED BY THE STATE BUILDING CODE.
5. PROVIDE CONDUIT OR RSPM BOX FOR ANY RECESSED LIGHTING FIXTURE TO MAINTAIN FIRE RATING OF ARCHITECTURAL ASSEMBLY.
6. ALL RECEPTACLES, SWITCHES & COVER PLATES FOR DEVICES CONNECTED TO THE EMERGENCY SYSTEM SHALL BE RED IN COLOR. TYPICAL THROUGHOUT.
7. ALL WIRING FOR POWER & LIGHT FEEDERS, SUB-FEEDERS & BRANCH CIRCUITS SHALL BE INSTALLED IN METAL RACQUAY. PVC SHALL NOT BE ALLOWED IN PATIENT ROOMS.
8. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE PROVIDED WITH A GROUND PATH FOR FAULT CURRENT BY INSTALLATION IN RIGID METAL CONDUIT. CONDUIT MAY BE RIGID GALVANIZED STEEL OR ELECTRICAL METALLIC TUBING INSTALLED IN ACCORDANCE WITH SPECIFICATIONS.
9. CONTRACTOR SHALL INSTALL GREEN EQUIPMENT GROUND WIRE IN ALL POWER WIRING CIRCUITS AND SHALL BOND THE GROUND WIRE TO ALL DEVICES & EQUIPMENT. BONDING SHALL BE INSTALLED IN ACCORDANCE WITH N.E.C. REQUIREMENTS. GROUNDING WIRES SHALL BE SIZED IN ACCORDANCE WITH TABLE 250.122 OF THE N.E.C.
10. TESTING
a. ALL CONDUCTIVE SURFACES IN THE PATIENT CARE AREAS SHALL BE TESTED SO AS NOT TO EXCEED THE POTENTIAL DIFFERENCES AS STATED IN NEC 517.13.
b. REFER TO THE IEC HANDBOOK 517.13 FOR FURTHER DESCRIPTION OF TESTING.
c. TEST RESULTS SHALL BE AVAILABLE AT THE FINAL 3" INSPECTION FOR HRS.
11. MAINTAIN 3'-0" CLEARANCE IN FRONT OF ALL PANELS.
12. WIRING DEVICES IN ALL PATIENT AREAS WHICH INCLUDES PATIENT ROOMS, PHYSICAL THERAPY, THERAPY POOL, AND PATIENT TREATMENT AREAS, SHALL HAVE CONDUIT, ALL GRADE WIRING DEVICES AND REDUNDANT GROUNDING.
13. IN RATED WALLS USE UL APPROVED TECHNIQUE, & SHALL HAVE REDUNDANT GROUNDING PER THE NEC SECTION 705.12 SHOWING EITHER SHALL A/E/1 OR PROVIDE 2"4" SPACINGS AS REQUIRED.
14. MINIMUM CONDUIT SIZE 1/2".
15. ALL 120 & 208V POWER CIRCUIT BE RUN IN CONDUIT. CABLE WILL BE ALLOWED IF THERE IS VIBRATION ON THE CABLE. SEE EDCOM FOR DETAILS.
16. PROVIDE THE HOME RUN CIRCUIT ID ON EACH RECEPT, SWITCH & DISCONNECT. PROVIDER ENGRAVED COVER SHALL BE USED.
17. INSTALLATION SHALL COMPLY TO THE APPLICABLE ELECTRICAL CODES: NFPA-70: 2017, NFPA-101 LATEST EDITION, NFPA-110 LATEST EDITION, NFPA-99: 6.4.1.18 2015 LATEST EDITION, NFPA-110: 5.6.5.6 2013 LATEST EDITION, NFPA-70: 215.3.2017, NFPA-70: 408.4 & 408.30 2014 LATEST EDITION. CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES AND ORDINANCES INCLUDING SEISMIC AND WIND.
18. ALL 120V CIRCUITS SHALL HAVE A DEDICATED NEUTRAL.
19. CONTRACTOR TO COMPLY WITH CHAPTER 7 OF NFPA 99 (2015).
20. FINAL INSPECTION SHALL BE COORDINATED WITH THE OWNER.
21. FOR LIGHTING IN THE PATIENT AREAS, THE OUTLINES FOR INST/1/1/REV-28/10 FOR NON GLARE & INDIRECT LIGHTING WILL BE FOLLOWED. TO REDUCE GLARE THE FOLLOWING WILL BE DONE AS A MINIMUM:
a. IN COMMON AREAS WILL HAVE A DARK CARPET.
b. IN HALLWAYS AND SOME COMMON AREAS THE BOTTOM PORTION OF THE WALLS WILL BE DARK.
c. IN PATIENT ROOMS VINYL PLANK FLOORS WILL BE INSTALLED VS. CARPET.
d. LED CANS VS. FLUORESCENCE CANS WILL BE USED. THE LED FIXTURES HAVE A SECOND LENSE.
e. FOLLOW ANSI/IES-RP-28 07 RECOMMENDATIONS FOR LIGHTING CANDELS.
22. PROVIDE REMOTE NOTIFICATION ANNUNCIATOR PANEL AT A 24HR STAFFED LOCATION AS REQUIRED BY NFPA 1100 RULE 5.6.6.
23. LABEL ALL JUNCTION BOXES. JUNCTION BOXES THAT CONTAIN AN EMERGENCY POWER CIRCUITS SHALL BE COLOR CODED AS FOLLOWS:
LIGHT SAFETY - RED
CRITICAL - ORANGE
NON-ESSENTIAL - BLACK
CIRCUIT I.D.'S CAN BE POSTED WITH A PERMANENT MARKER ON JUNCTION BOXES.
24. ALL WIRING DEVICE COVER PLATES SHALL HAVE ENGRAVED CIRCUIT IDENTIFICATION.
25. HOSPITAL GRADE ARMOR CLAD CABLE WILL BE ALLOWED IN CONCEALED AREAS.
26. PROVIDE BONDING OF ALL NORMAL & EMERGENCY POWER PANELS THAT ARE IN PATIENT ROOMS WITH #6 INSULATED COPPER WIRE MIN.
27. CONTRACTOR SHALL PROVIDE REDUNDANT GROUNDING WHEREVER A PATIENT MAY GO.
28. HOSPITAL GRADE ARMOR CLAD CABLE WILL BE ACCEPTABLE FOR REDUNDANT GROUNDING IN CONCEALED AND NON FINISHED AREAS

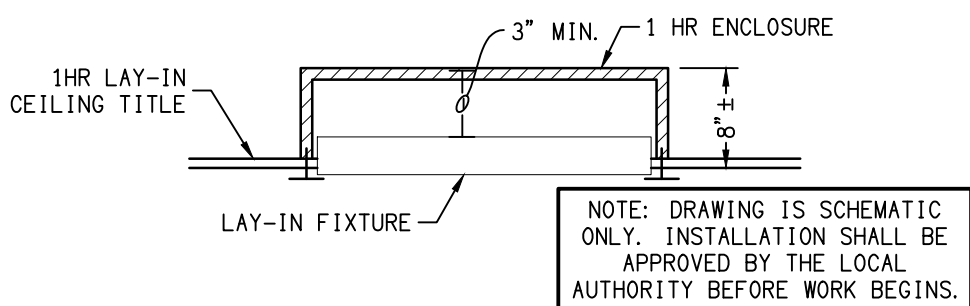
SYMBOL	DESCRIPTION	LAMP						MFG.	MODEL	MOUNTING	REMARKS
		NO	WATT	TYPE	COLOR TEMP	LUMENS	VOLT				
A	4' BED LIGHT	-	93	LED	3000K	9491	120	KENALL	MPWUD-48-WW-FA-1/1-45L30K-DCC-120-PCR	WALL OVER BED (5.5')	PROVIDE 4-WAY SWITCH.
B	SHOWER LIGHT	-	20	LED	4000K	1444	120	LITHONIA	LDN4 40/15 L04AR LSS MVOLT E21 WL	RECESSED	U.L. WET LOCATION
C	NIGHT LIGHT	-	2	LED	AMBER	-	120	HEALTHCARE LIGHTING	HNL610 MVOLT LEDAMB FW	WALL RECESSED +24"	-
D	6" CAN	1	21	LED	3500K	2027	120	LIGHTOLIER	P6RDL20NZ10UVB P6RDL835VB P6RDLCCP	RECESSED	DIMMABLE. UL DAMP LOCATION
D1	6" CAN	1	16	LED	3500K	1500	120	LIGHTOLIER	P6RDL15NZ10UVB P6RDL835VB P6RDLCCP	RECESSED	DIMMABLE
D2	6" CAN	1	30	LED	3500K	3500	120	LIGHTOLIER	CSRN C6L35835WZ10U C6RDLCCP	RECESSED	DIMMABLE. UL DAMP LOCATION
DM	DIRECTIONAL 6" CAN	-	16	LED	4000K	1500	120	LIGHTOLIER	P6RDL5NZ10UVB P6RDL835VB P6RDLCCP	RECESSED	DIMMABLE.
E	GENERATOR LIGHT POLE	1	97	LED	4000K	12500	120	CURRENT LIGHTING	VP-1-160L-100-4K7-4F-UNV-HSS-270-BSS-RPA	14' POLE	PROVIDE 14FT (MOUNTING HEIGHT) ROUND TAPERED FIBERGLASS DIRECT BURIAL POLE. SIZE POLE PER SITE SPECIFIC WIND LOAD RATING. PROVIDE A WEATHERPROOF EMERGENCY LIGHT MOUNTED ON THE POLE.
F	4' GROW LIGHT	-	40	-	3,500	LED	120	-	-	SURFACE	SELECTION BY INTERIOR DESIGNER \$150/EA ALLOWANCE
G	4' WRAP	-	73	LED	4000K	6790	120	SIGNIFY DAY-BRITE	OWL470840-UNV-DIM	SURFACE	DIMMABLE.
G1	4' WRAP	-	53	LED	4000K	5136	120	SIGNIFY DAY-BRITE	OWL450840-UNV-DIM	SURFACE	DIMMABLE.
H	4' STRIP	-	30	LED	3500K	3967	120	SIGNIFY DAY-BRITE	FSS440L835-UNV-DIM	SURFACE	-
I	BOLLARD	-	42	LED	4000K	1400	120	SUN VALLEY	BRAB-CL/36LED120NW/RAL-9005-T	CONCRETE BASE SEE D/E1	-
J	CANOPY LIGHT	-	40	LED	3500K	4900	120	ATLANTIC LIGHTING	LED6M35K-1-6VR10M	RECESSED	-
K	CANOPY CAN	-	40	LED	-	-	120	-	-	-	-
M	WALL MOUNT AREA LIGHT	-	44	LED	4000K	4500	120	US ARCH. LIGHTING	RZR-WM1/PLED-111/20PLED-700MA-NW/1120/RAL9005-T	WALL @ +8'-6" AFF	-
N	LANDSCAPE	1	5	LED	3500K	-	120	-	-	CONCRETE PAD	-
P	2' UNDER CABINET	-	15	LED	3000K	1054	120	PROGRESS LIGHTING	P700003-028-30	UNDER CABINET	-
R	WALL WRAP	-	31	LED	4000K	2800	120	SIGNIFY DAY-BRITE	CSW48-2835USZTZO	WALL @ +8'-6" AFF	-
S	BEAUTY PARLOR IN CABINET	1	25	LED	3500K	-	120	-	-	IN CABINET	LIGHT IN CABINET MANUFACTURED BY CABINET MANUFACTURER.
T	4' VAPOR TIGHT	-	35	LED	4000K	4355	120	PHILIPS	V3W451840UNVDM	CEILING SURFACE	UL WET LOCATION
U	ATTIC LIGHT	1	15	A19 LED	4000K	-	120	LEVITON	49875	RAFTER	PROVIDE METAL WIRE GUARD.
V	4' LINEAR	1	30	LED	4000K	3935	120	ELITE LIGHTING	4-ORW-LED-4000L-DIM10-MVOLT-40K-85	CEILING SURFACE	-
W	11" ROUND	1	22	LED	4000K	1559	120	ELITE LIGHTING	RL1191-1500L-120-40K-90	CEILING SURFACE	-
⊗	EXIT	-	-	LED	-	-	120	ISOLITE	RL-EM-R-WH-UN-SD	WALL OR CEILING	PROVIDE BATTERY BACKUP.
⊗	EXIT/EMERGENCY	-	-	LED	-	-	120	ISOLITE	RLC-LED-R-U-WH-SD	WALL OR CEILING	PROVIDE BATTERY BACKUP.
⚡	EMERGENCY	2	3	LED	-	640	120	ISOLITE	BUG-3-WH-SD	WALL @ 7'-6" AFF	PROVIDE BATTERY BACKUP.
☼	EXTERIOR EMERGENCY EGRESS	2	3	LED	-	640	120	CHLORINE	PLACEM	WALL ABOVE DOOR	PROVIDE BATTERY BACKUP

LIGHTING FIXTURE NOTES:

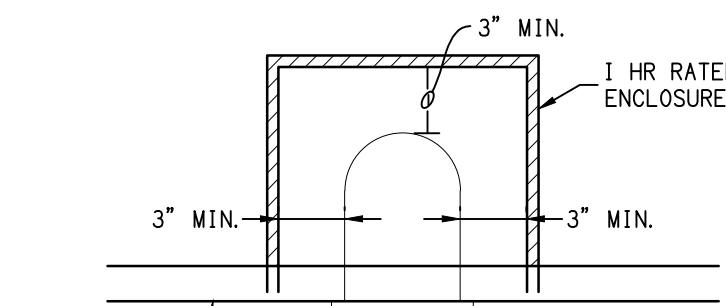
1. CONTRACTOR SHALL PROVIDE ALL LAMPS.
2. PROVIDE RATED CAPS FOR ALL RECESSED FIXTURES IN RATED CEILINGS.
3. SPACING FOR EMERGENCY FIXTURE AS SHOWN ON PLAN IS BASED OFF MANUFACTURER RECOMMENDED MAXIMUM SPACING. ANY SUBSTITUTIONS SHALL MEET OR EXCEED SPECIFIED FIXTURE SPACING GUIDELINES TO ACHIEVE REQUIRED EMERGENCY EGRESS LIGHTING LEVELS PER NFPA 101, OR ADDITIONAL FIXTURES WILL BE REQUIRED TO COMPENSATE.
4. OWNER SHALL APPROVE ALL FIXTURES

B	Lay-in Fixture in Rated Ceiling
E1	

SCALE: NTS

**RATE COVER NOTES:**

1. ENCLOSURES SHALL BE OF APPROVED AND ACCEPTED BY THE LOCAL AUTHORITY.
2. SUGGESTED MANUFACTURER'S:
 - A. TENMAT
 - B. E. Z. BARRIER



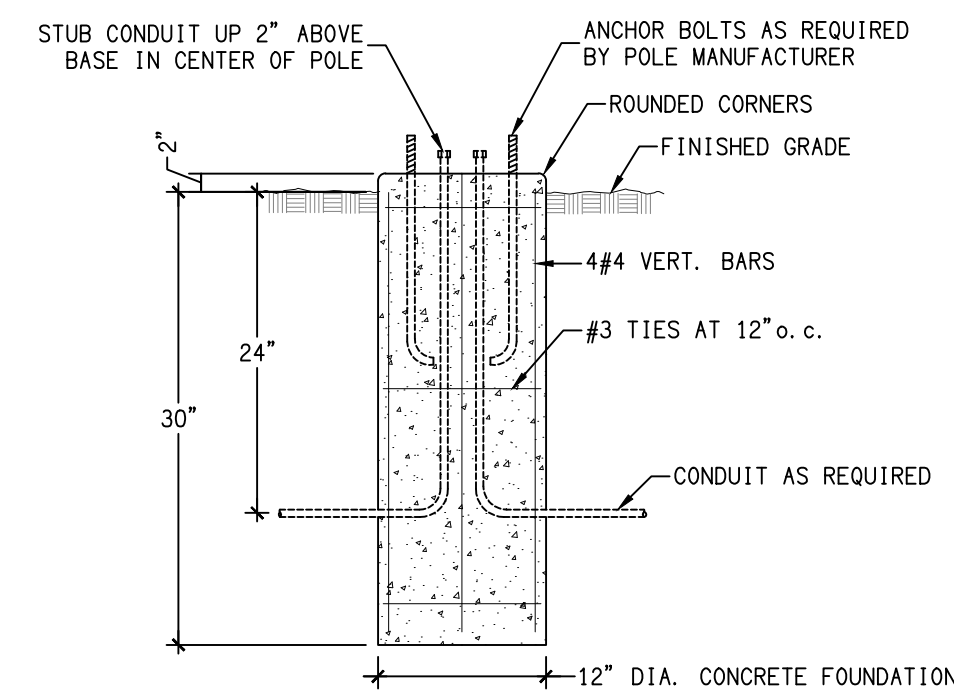
NOTE: DRAWING IS SCHEMATIC ONLY. INSTALLATION SHALL BE APPROVED BY THE LOCAL AUTHORITY BEFORE WORK BEGINS.

C	Can Fixture in Rated Ceiling
E1	SCALE: NTS

LIGHTING FIXTURE SCHEDULE- DECORATIVE											
SYMBOL	DESCRIPTION	LAMP						MANUF.	MODEL	MOUNTING	REMARKS
		NO.	WATT	LUMENS	TEMP (°K)	TYPE	VOLT				
DA	CORRIDOR WALL SCONCE	1	10	–	3,000	LED	120	FEISS	WB 1341BS BRUSH STEEL	WALL	–
DB	PORCH WALL SCONCE	1	10	–	3,000	LED	120	LAMPS PLUS	1N-8888 HIGH SILVER	WALL	UL WET LOCATION
DC	RESIDENTIAL TOILET WALL SCONCE	1	7	600	3,000	LED	120	KUZCO LIGHTING	770D11 CH	WALL RESIDE MIRROR	–
DD	RESIDENTIAL TOILET MIRROR	–	10	–	–	–	–	MEON	CSD1DN2692 W/CHROME	WALL	NOTE 2
DE	RESIDENTIAL TOILET CEILING FIXTURE	1	16	–	3,000	LED	120	KUZCO LIGHTING	FM6012	CEILING SURFACE	NOTE 3
DF	TUB ROOMS, BEAUTY & ADL	1	5	–	3,000	LED	120	LAMPS PLUS	6D223	WALL	–
DG	CHANDELIER DINING	1	85	–	3,000	LED	120	SEAGULL	31162-EN3-839 BLACKSMITH FINISH	CEILING SURFACE	–
DH	52" FANS	–	68	–	–	–	120	HOME SELECTS INTERNATIONAL	SINGLE LIGHT 2068NICKLE FINISH	CEILING	–
DHL	52" FAN WITH LIGHT	1	83	–	–	LED	120	HOME SELECTS INTERNATIONAL	SINGLE LIGHT 2068NICKLE FINISH	CEILING	–
DX	PENDANT, CINEMA, BEAUTY SALON & NS	1	9.5	–	3,000	LED	120	SEAGULL	61160EN3	CEILING SURFACE	–
DJ	CHANDELIER TAVERN	–	47.5	–	3,000	LED	120	SEAGULL	31161-EN3839 BLACKSMITH FINISH	CEILING SURFACE	–
DK	CORRIDOR CHANDELIER	–	47.5	–	3,000	LED	120	SEAGULL	31161- 962 BRUSH NICKEL	CEILING SURFACE	–
DL	LIVING RM CHANDELIER	5	15	–	3,000	LED	120	–	–	–	\$500/EA ALLOWANCE

LIGHTING FIXTURE NOTES:

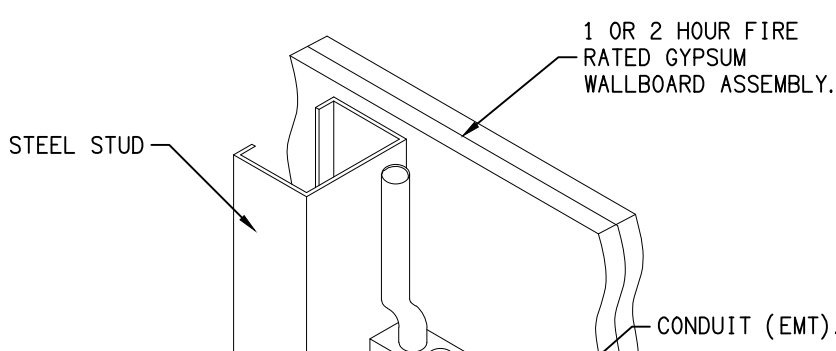
1. PROVIDE ALL LAMPS.
2. PROVIDE TILTING FRAMELESS MIRROR 26"X22", DAMP LOCATION.
3. U. L. DAMP LOCATION.



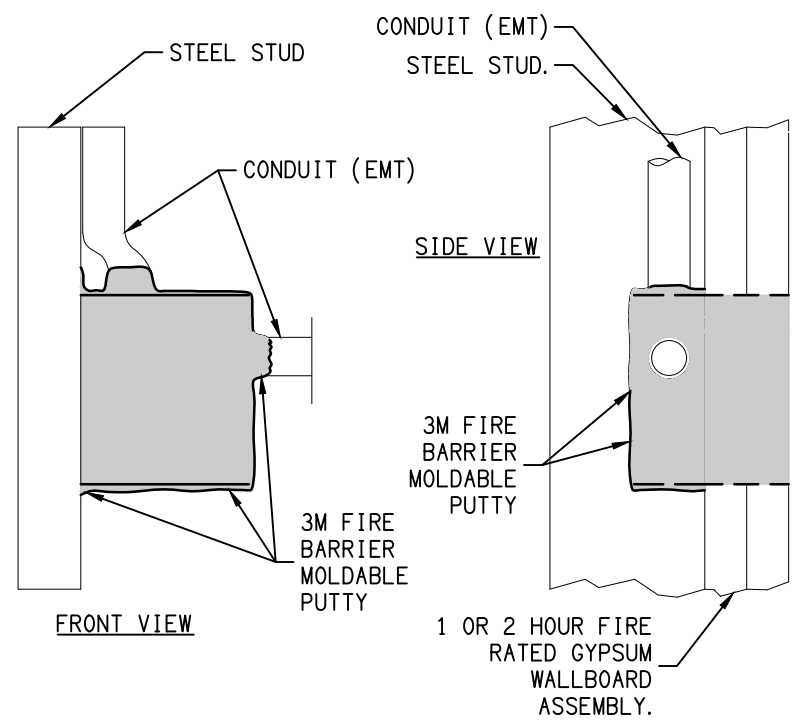
NOTE:
ALL CONCRETE WORK SHALL CONFORM TO SPECIFICATIONS AND
SHALL BE -3000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS

D	Type I Bollard Base Detail
E1	

SCALE: NTS



COND



A	Putty Pack Detail for 1 or 2 hr Fire Rated Wall
E1	SCALE: NTS

ELECTRICAL ABBREVIATIONS	
NL	NIGHT LIGHT
AFF	ABOVE FINISHED FLOOR
GFI	GROUND FAULT INTERRUPTING
GFI A	GROUND FAULT INTERRUPTING WITH ALARM
3R	WEATHERPROOF ENCLOSURE
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF
AHU	AIR HANDLING UNIT
HP	HEAT PUMP
BOB	BOTTOM OF BOX
UC OR U	UNDERCOUNTER
TBD	TO BE DETERMINED
CLG	CEILING MOUNTED
UCR	UNDER COUNTER RECEPTACLE

PROVIDE A UL APPROVED
LIGHTNING PROTECTION
SYSTEM FOR THE BUILDING.

RATED WALL LEGEND	
	1-HOUR FIRE/SMOKE BARRIER (1-HR F/S W)
	1-HOUR FIRE BARRIER WALL (1-HR FB W) REQUIRED BY TABLE 503 NCSBC
	2-HOUR RATED FIRE WALL/ (2-HR FW)
	SMOKE BARRIER
	SMOKE RESISTANT INCIDENTAL WALL (SRWI)

EMERGENCY RESPONDER RADIO COVERAGE

CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR HIRING A THIRD PARTY TO ASSESS THE EMERGENCY RESPONDER RADIO COVERAGE IN THE BUILDING. COORDINATE WITH THE LOCAL EMERGENCY RESPONDER GROUP RESPONSIBLE FOR THE EXISTING PUBLIC SAFETY COMMUNICATION SYSTEM. AMPLIFICATION SHALL BE PROVIDED AS REQUIRED TO MEET ALL REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE: FIRE CODE SECTION 510.

THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE THE EXACT LOCATION OF ALL OFFICE AND COMMON AREA RECEPTACLES AND PHONE/DATA/TV BOXES.

120V 20AMP WIRE SIZE CHART:

FOR 20A - 1Ø - 120 VOLT SERVICE WIRE SIZE SHALL BE AS FOLLOWS:	
<u>DIST TO 1st CONNECTION</u>	<u>WIRE SIZE</u>
60' TO LESS	#12
60' TO 100'	#10
OVER 100'	#8

symbol	date	description	by
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DSA ENGINEERING

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A circular professional engineer seal for David E. Smith, Jr., North Carolina. The seal contains the text "NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 007138". The name "DAVID E. SMITH, JR." is written in a cursive script across the bottom of the seal. Below the seal, the date "7/28/25" is handwritten.

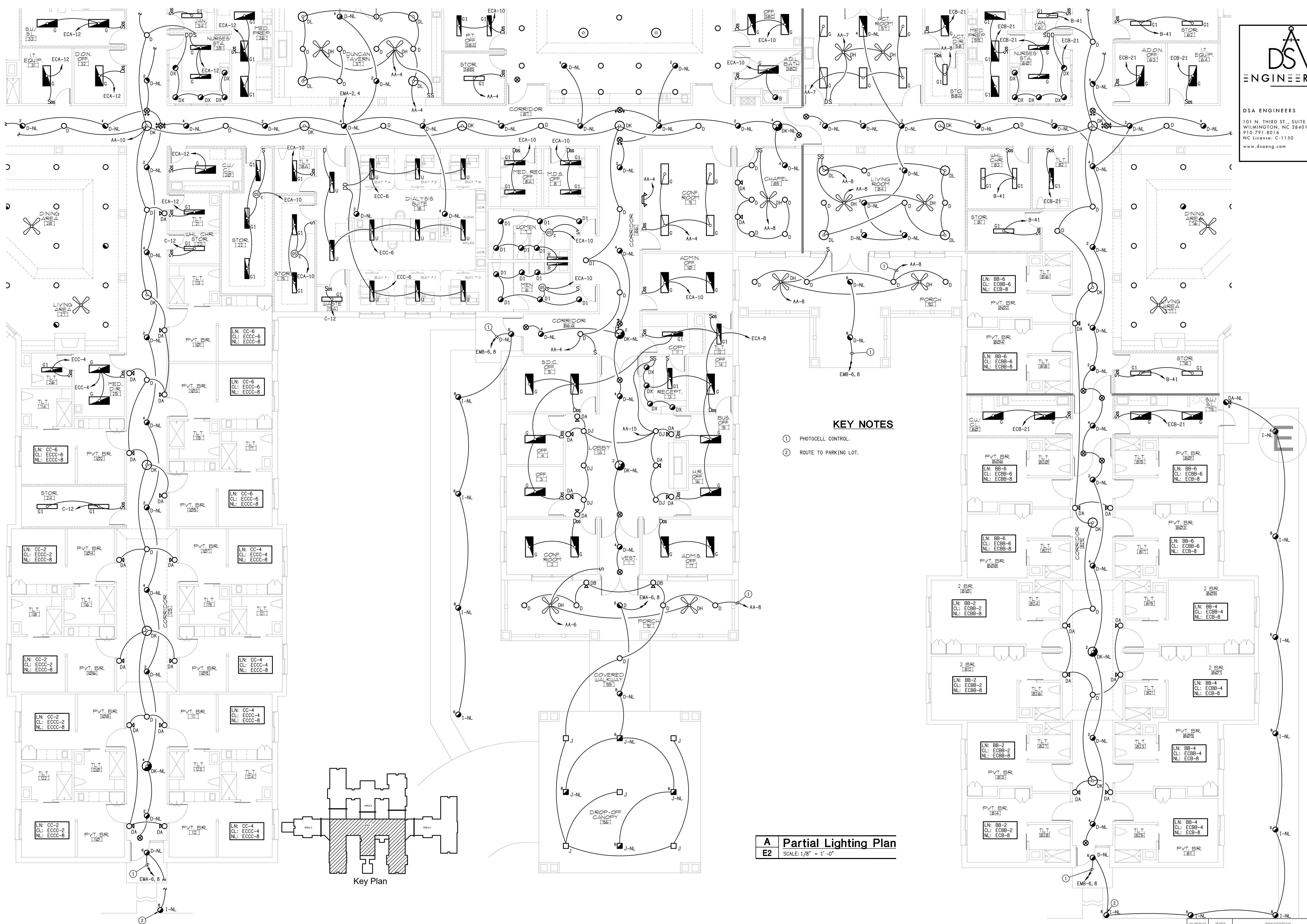
**HEARTLAND AND LIVING
AND REHABILITATION**
Greensboro, North Carolina

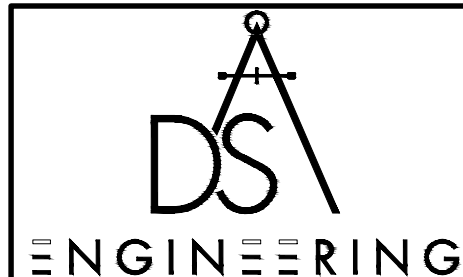
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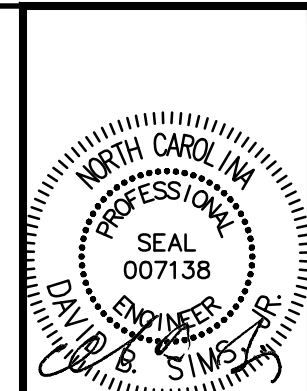
E1

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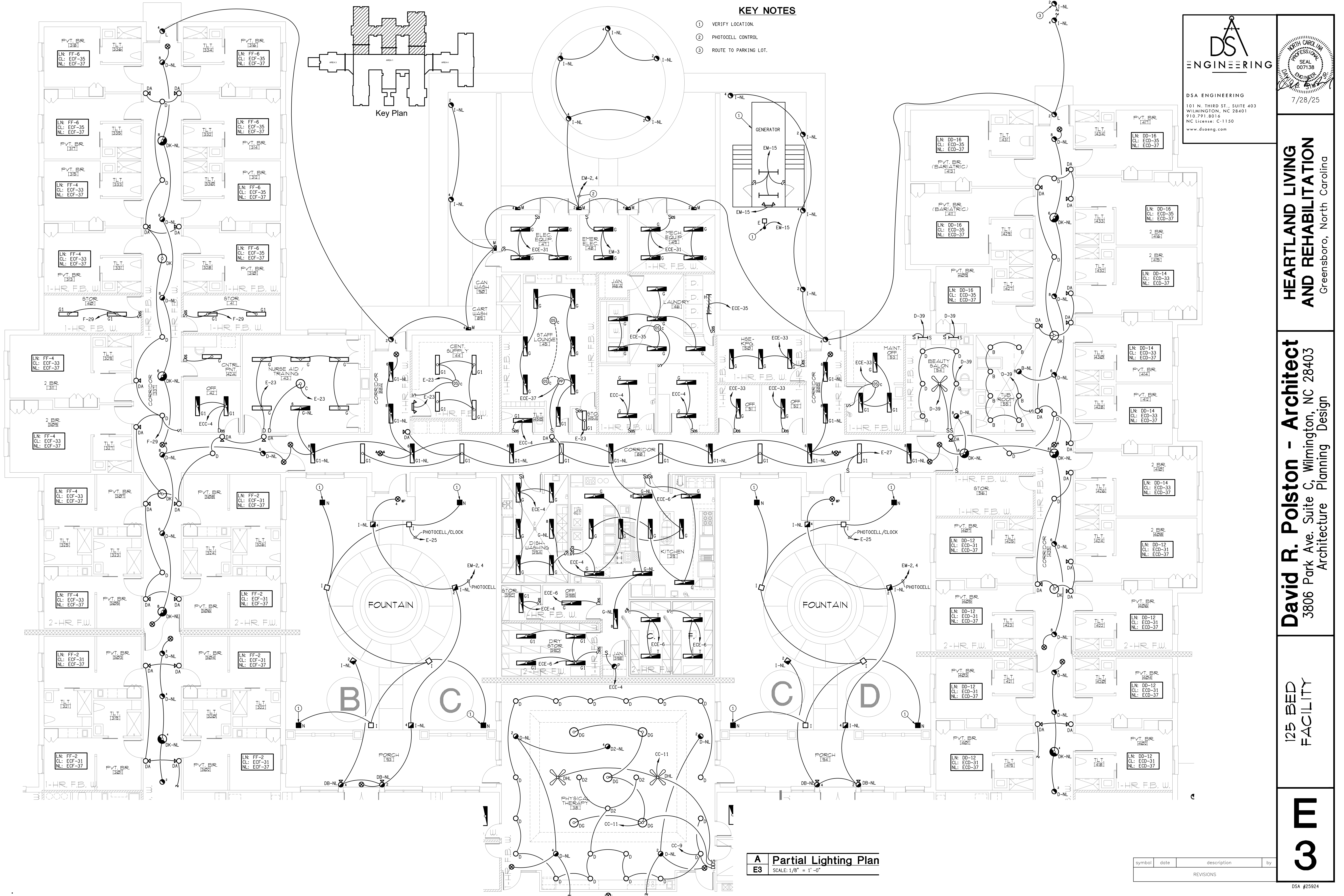
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KEY NOTES

- 1 VERIFY LOCATION.
- 2 PHOTOCELL CONTROL.
- 3 ROUTE TO PARKING LOT.

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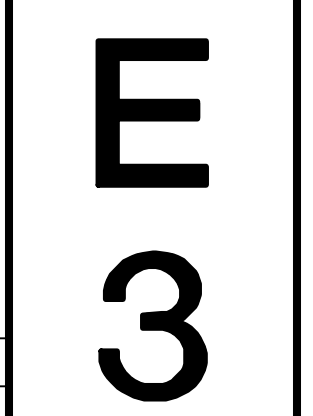
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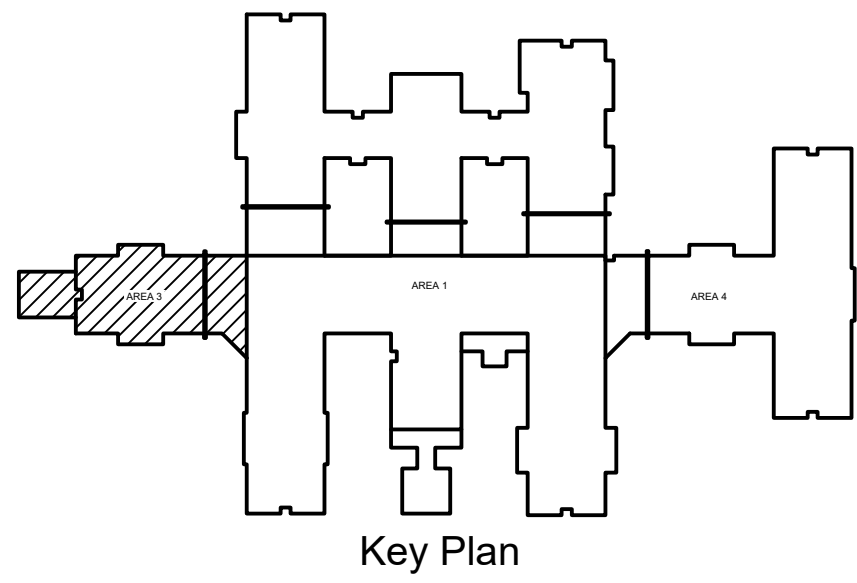
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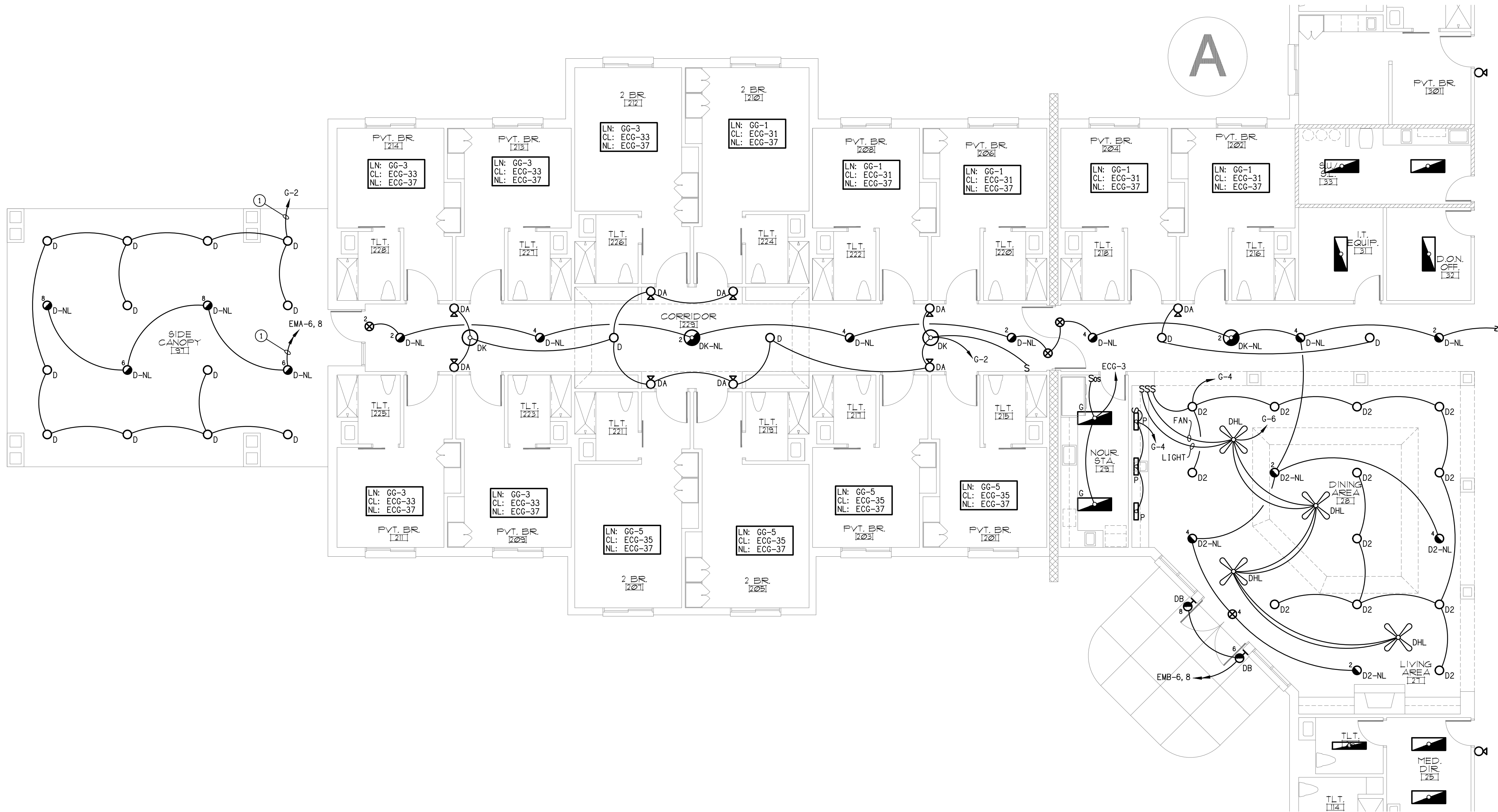
A Partial Lighting Plan
E3 SCALE: 1/8" = 1'-0"

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KEY NOTES

① PHOTOCELL CONTROL.



A Partial Lighting Plan
E4 SCALE: 1/8" = 1'-0"

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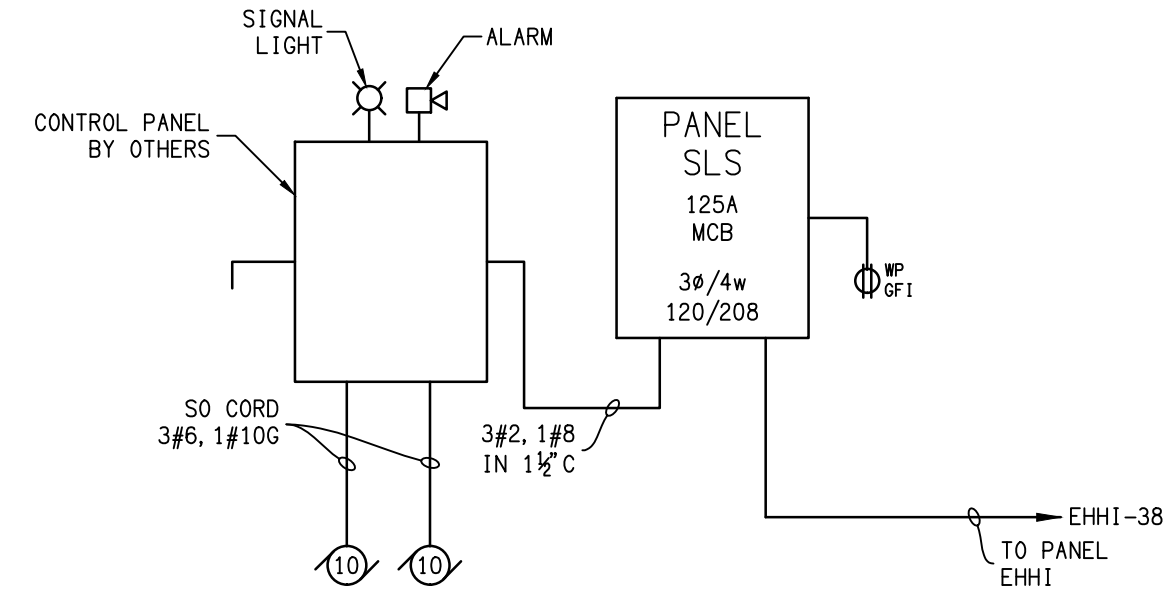
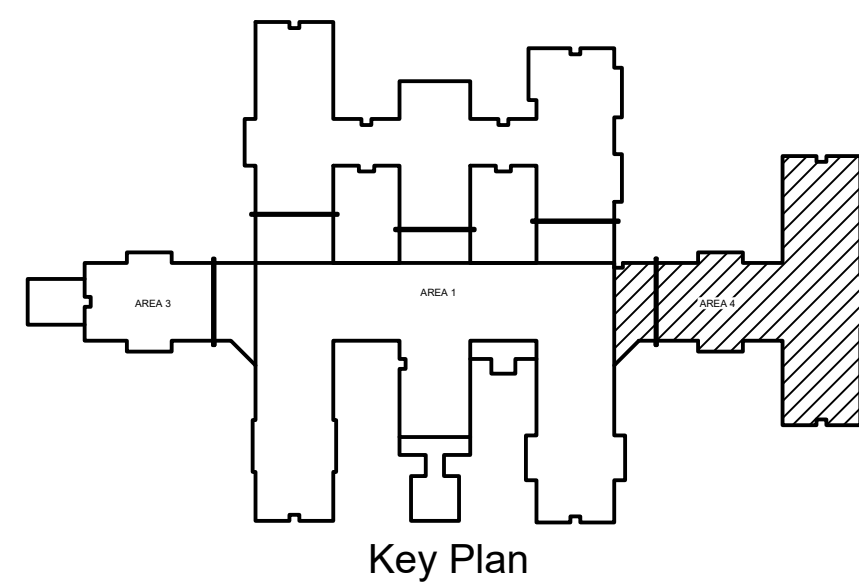
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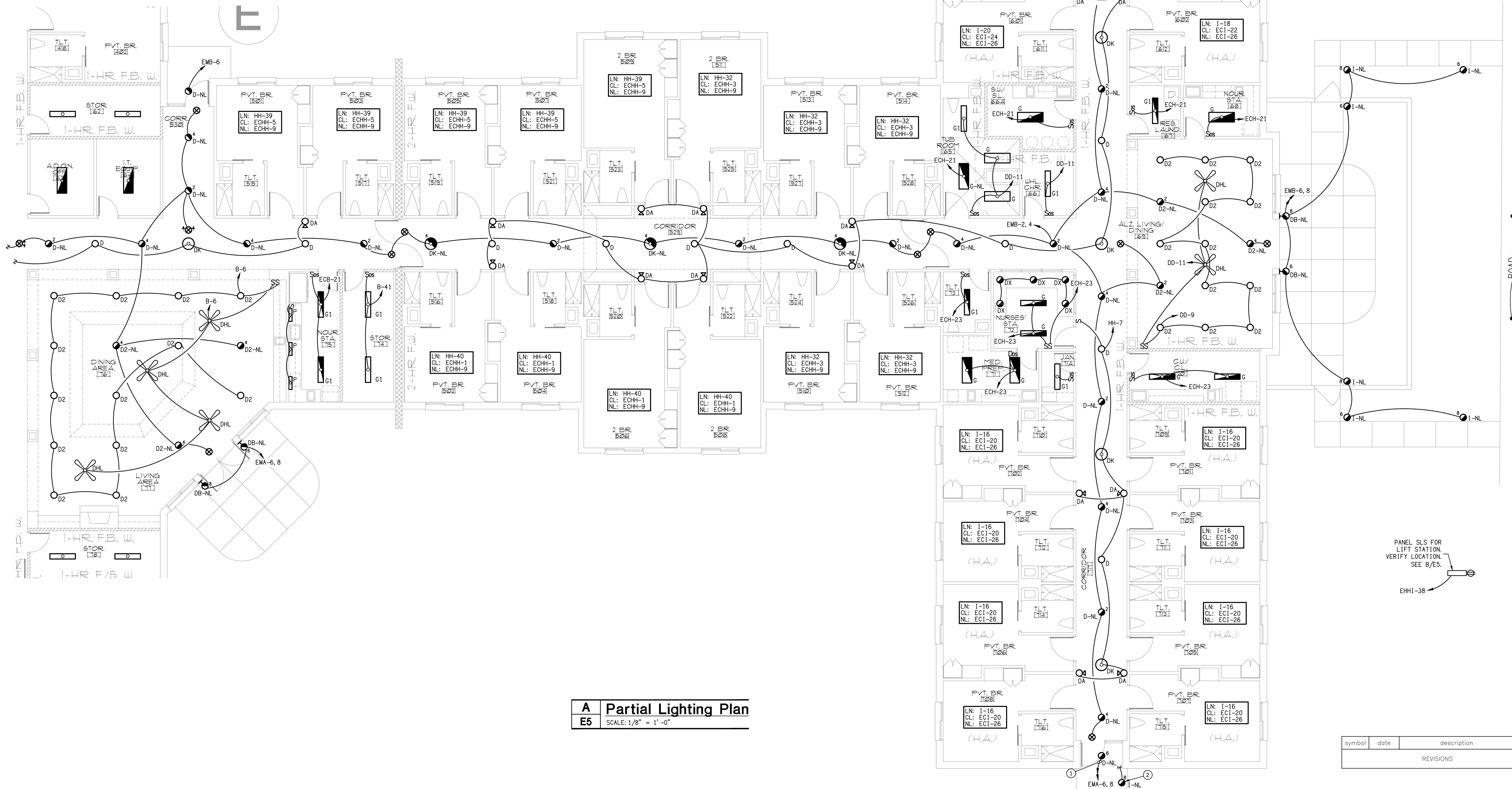
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B	Lift Station Riser
E5	SCALE: NTS

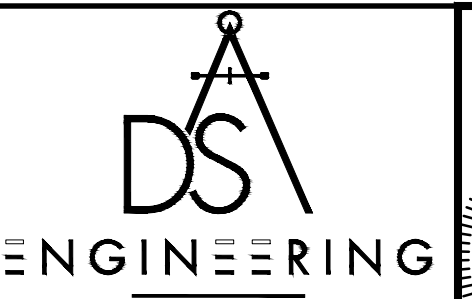
KEY NOTES

- ① PHOTOCCELL CONTROL.
- ② PLACE LIGHT AT SIDEWALK.

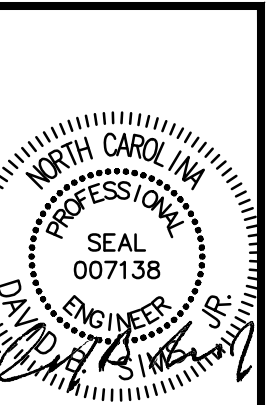


A	Partial Lighting Plan
E5	SCALE: 1/8" = 1'-0"

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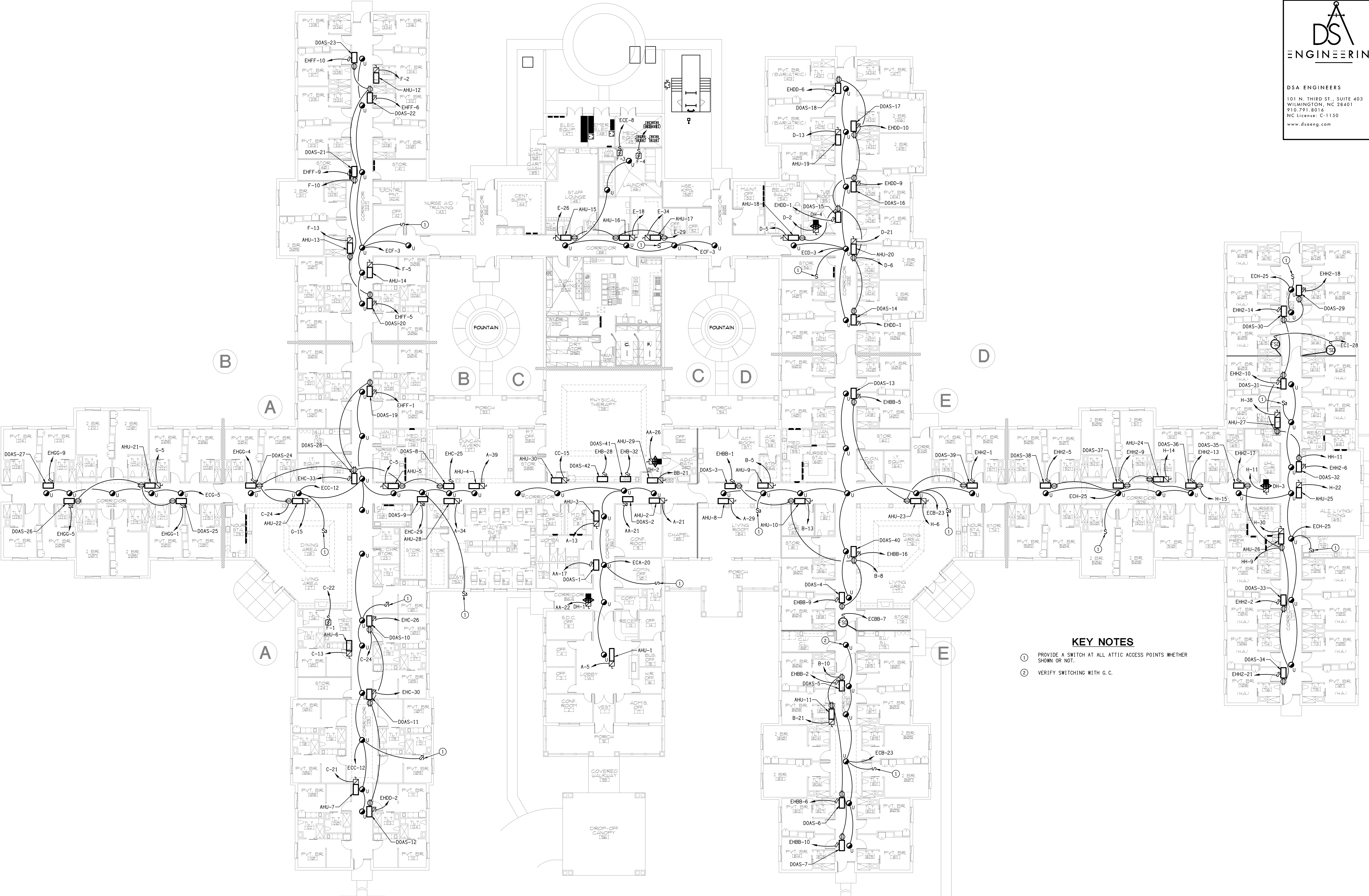
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A

E6

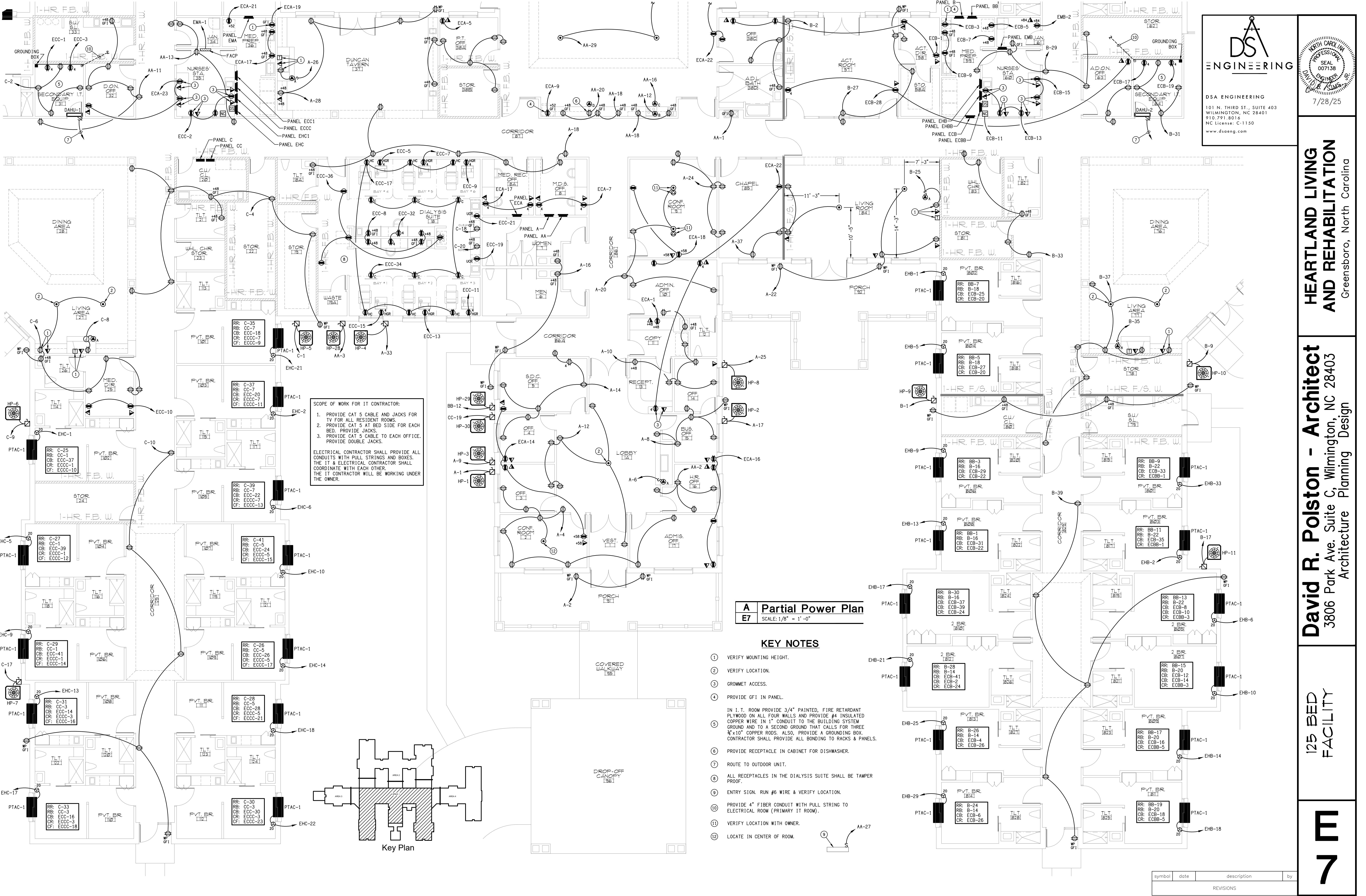
Attic Lighting & Power Plan
SCALE: 1/16" = 1'-0"

- KEY NOTES
- 1

PROVIDE A SWITCH AT ALL ATTIC ACCESS POINTS WHETHER SHOWN OR NOT.
- 2

VERIFY SWITCHING WITH G. C.

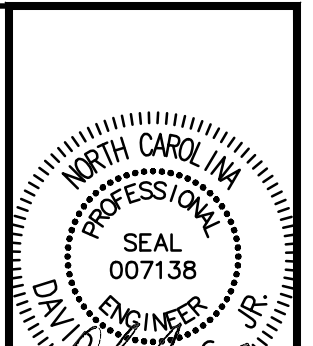
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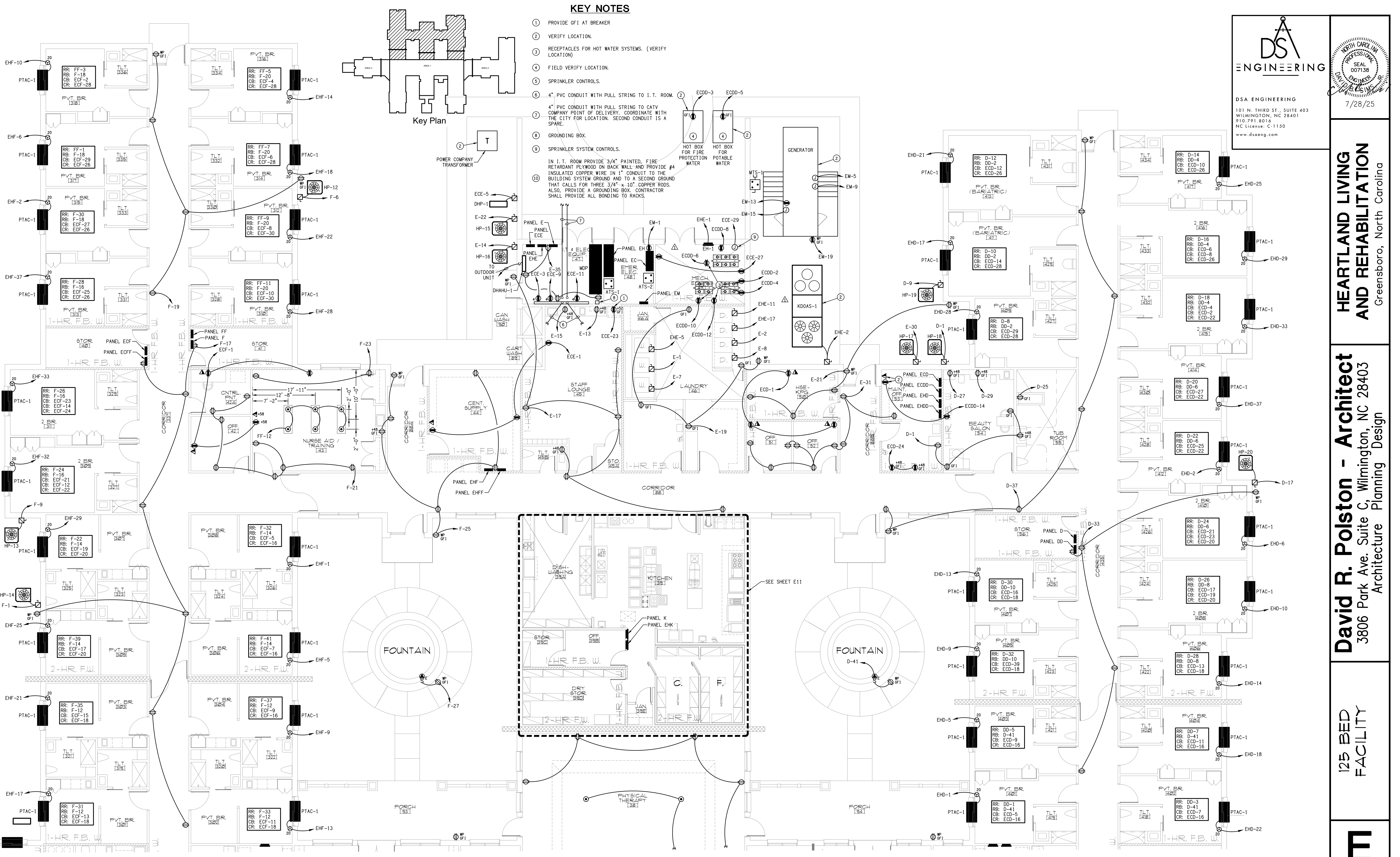
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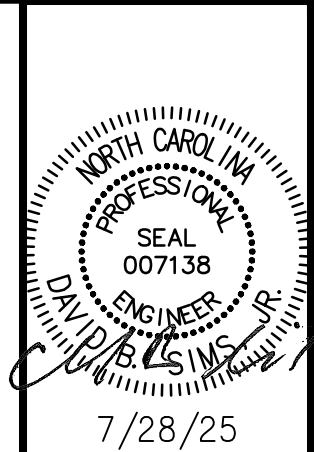
A Partial Power Plan
E8 SCALE: 1/8" = 1'-0"

symbol	date	description	by
REVISIONS			

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**HEARTLAND LIVING
AND REHABILITATION**
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED
FACILITY





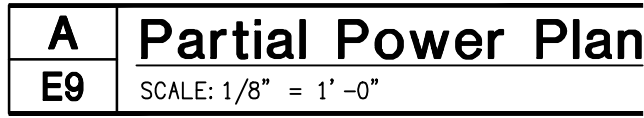
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3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

125 BED FACILITY	97
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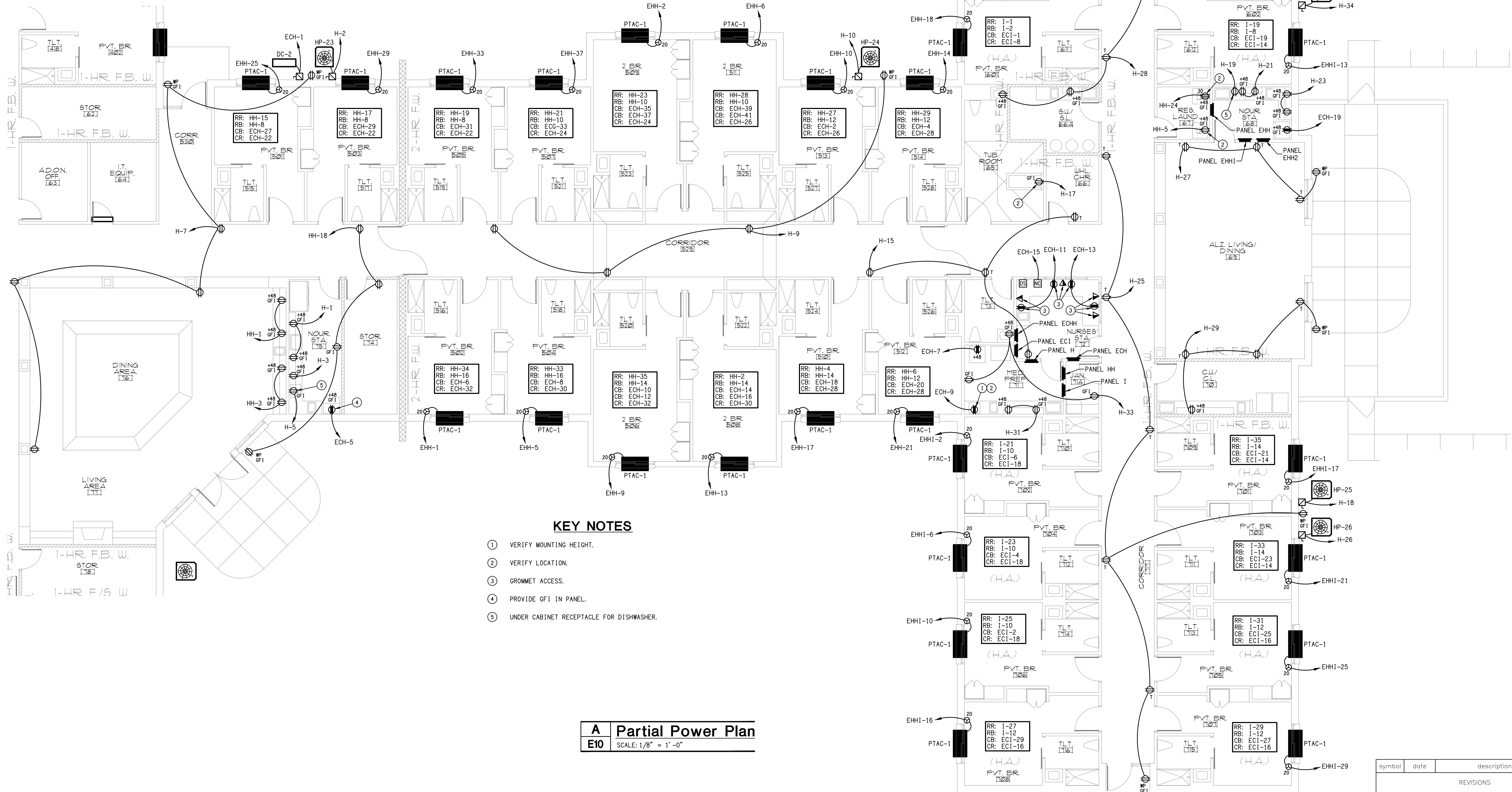
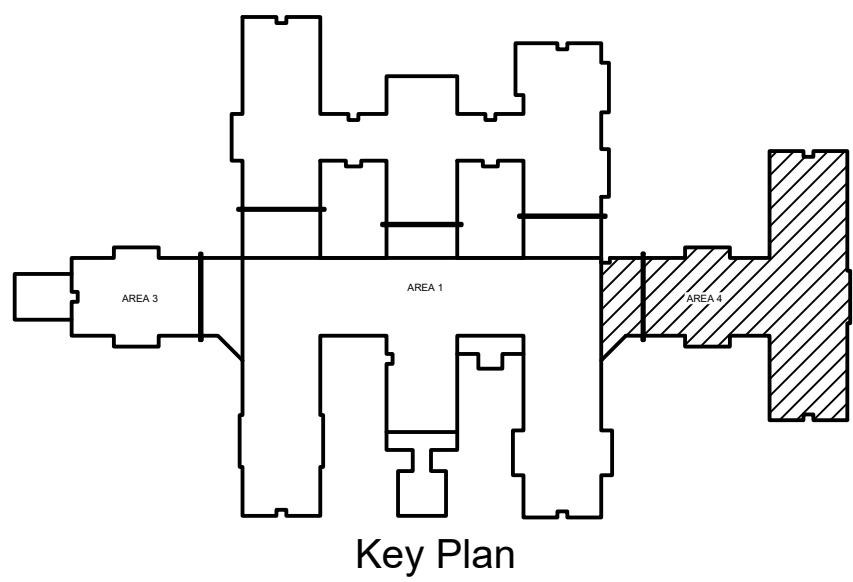
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NOTES:

*1.CONTRACTOR SHALL VERIFY ALL CONNECTIONS BEFORE RUNNING SERVICE OR ORDERING EQUIPMENT.



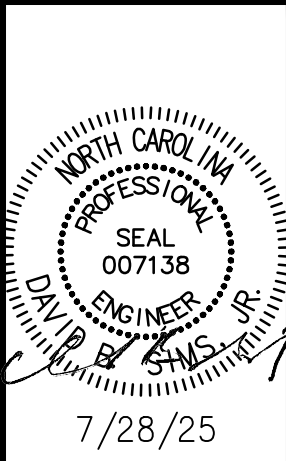
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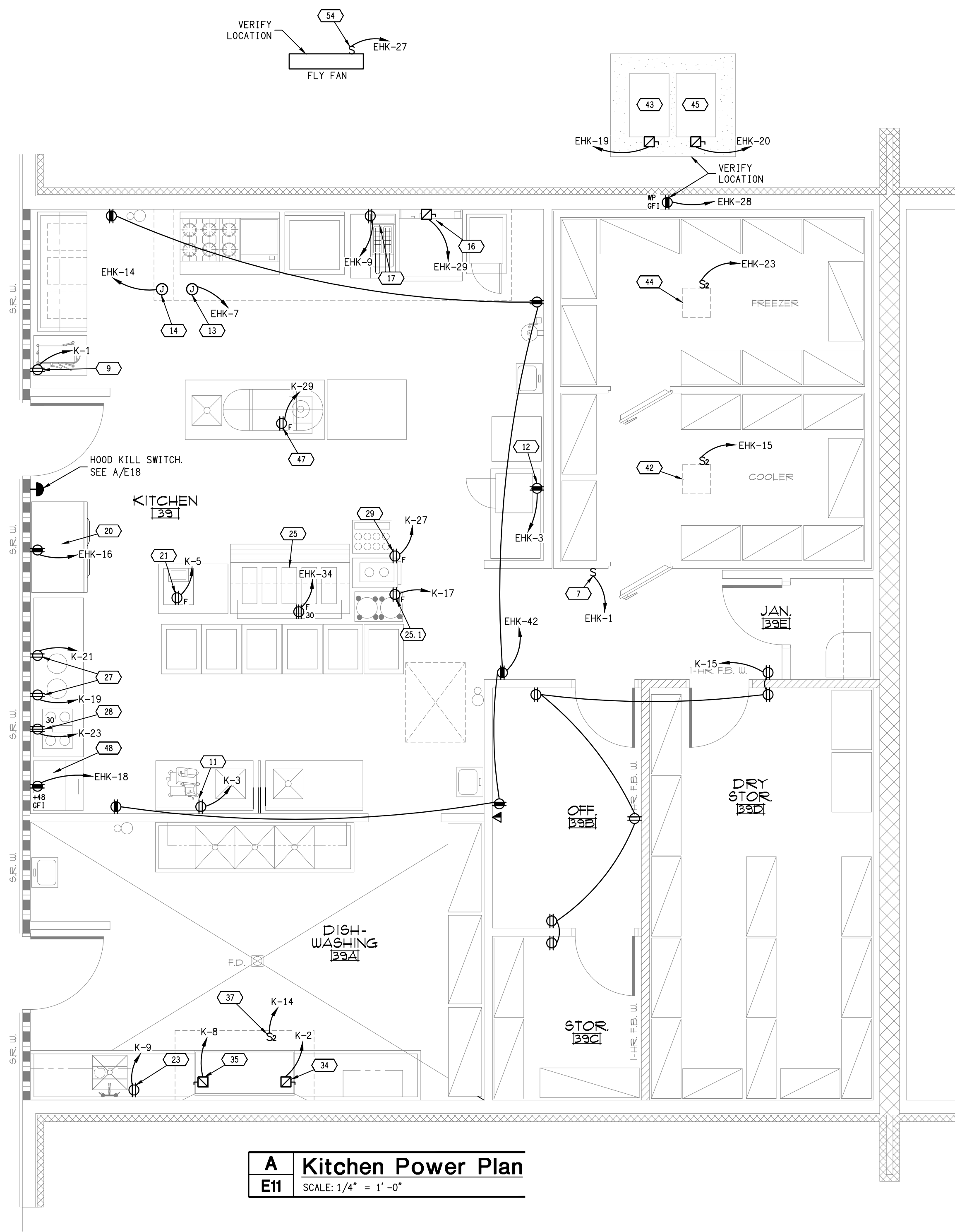
EQUIPMENT CONNECTION SCHEDULE											
SYMBOL	DESCRIPTION	HP	KW	AMP	VOLT	PHASE	BKR	FEEDER		CONNECTION	REMARKS
								COND	WIRE		
	WALK-IN COOLER	-	-	-	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	MIXER	-	-	10	120	1	20/ 1	1/2"	2#12, 1#12G	RECPT	-
	SLICER	-	-	8	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	MICROWAVE	-	-	12	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	EXHAUST HOOD SYSTEM	-	-	6	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	HOOD FIRE SUPPRESSION	-	-	2	120	1	20/1	1/2"	2#12, 1#12G	RECPT	LIFE SAFETY. SEE FIRE ALARM FOR KILL SWITCH.
	STEAMER	-	-	44	120	1	20/1	1/2"	2#12, 1#12G	RECPT	SHUNT TRIP BREAKER.
	DOUBLE OVEN	-	-	9	120	1	20/1	1/2"	2#12, 1#12G	RECPT	SHUNT TRIP BREAKER.
	TWO SECTION REFRIGERATOR	-	-	12	120	1	20/1	1/2"	2#12, 1#12G	RECPT	PROVIDE GF1 IN PANEL.
	TOASTER	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	FOOD DISPOSAL	1	-	8	120	1	20/1	1/2"	2#12, 1#12G	RECPT	VERIFY CONNECTION. SHUNT TRIP BREAKER
	CHEF'S TABLE	-	-	26	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	DISH DISPENSER	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	TEA URNS	-	-	12	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	COFFEE BREWER	-	-	20	120	1	20/1	1/2"	2#12, 1#12G	RECPT	VERIFY CONNECTION
	HEATED BASE DISPENSER	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	CONVEYOR DISHWASHER	-	-	53	208	3	70/3	1/2"	3#4, 1#8G	DISC NEMA 3R	-
	BOOSTER HEATER	-	-	80	208	3	110/3	1/2"	3#1, 1#6G	DISC NEMA 3R	-
	COND. HOOD	-	-	3	208	1	15/2	1/2"	2#12, 1#12G	PILOT SWITCH	-
	MED TEMP COIL	-	-	6	120	1	20/1	1/2"	2#12, 1#12G	TWO POLE SWITCH	-
	MED TEMP COND.	-	-	18	208	3	30/3	1/2"	3#10, 1#10G	DISC NEMA 3R	-
	LOW TEMP COIL	-	-	6	120	1	20/1	1/2"	2#12, 1#12G	TWO POLE SWITCH	-
	LOW TEMP COND.	-	-	18	208	3	30/3	1/2"	3#10, 1#10G	DISC NEMA 3R	-
	BLIXER	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
	ICE MAKER	-	-	12	120	1	20/1	1/2"	2#12, 1#12G	RECPT	PROVIDE GF1 IN PANEL.
	HOT HOLDING CABINET	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	DOOR SWITCH	--
	FLY FAN	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-
DF-1, 2	HOOD DISCHARGE	1	-	11	208	1	15/2	1/2"	2#12, 1#12G	DISCONNECT NEMA 3R	-
DH	FREEZER DOWN HEATER	-	-	6	120	1	20/1	1/2"	2#12, 1#12G	SWITCH	-

NOTES:
1.CONTRACTOR SHALL VERIFY ALL CONNECTIONS BEFORE RUNNING SERVICE OR ORDERING EQUIPMENT.

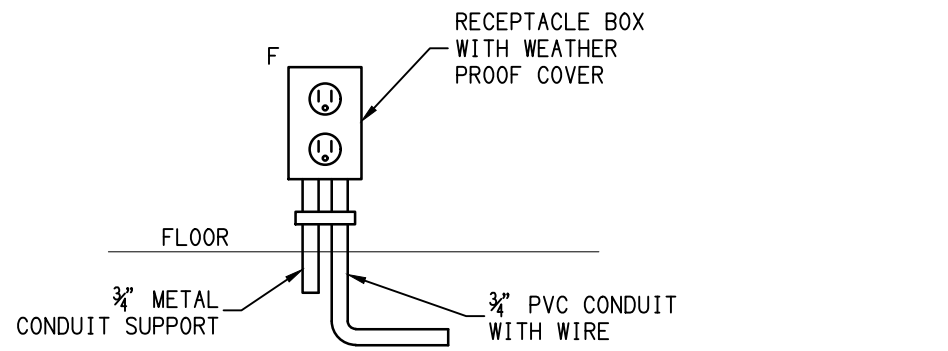
EQUIPMENT NOTES:
1. WALL SURFACE FROM BOTTOM OF HOOD TO TOP OF FLOOR BASE FOR LENGTH OF COOKING HOOD TO BE COVERED W/STAINLESS STEEL PANELS.
2. ALL PIECES OF KITCHEN EQUIPMENT TO HAVE A NSF LABEL AND BE INSTALLED IN ACCORDANCE WITH CURRENT NSF STANDARDS
3. ALL ELECTRICAL EQUIPMENT TO HAVE U.L. LABEL.
4. ALL GAS EQUIPMENT TO HAVE A.G.A. LABEL.
5. THE KITCHEN EXHAUST HOOD SHALL BE FACTORY FABRICATED FOR COMPLIANCE WITH NFPA 96, NSF 1362 AND HAVE A U.L. LABEL. SEE DETAIL # 3001 ON SHEET A-30 FOR CROSS-SECTION OF HOOD INSTALLATION PLUS REQUIRED FIRE PROTECTION AND CLEARANCES OF DUCT SHAFTS.
6. THE FIRE SUPPRESSION SYSTEM SHALL BE AN ANSUL MODEL R-102 SYSTEM. A READILY ACCESSIBLE MEANS TO MANUALLY ACTUATE THE FIRE EXTINGUISHING EQUIPMENT SHALL BE PROVIDED IN A PATH OF EGRESS AND SHALL BE CLEARLY IDENTIFIED. THE OPERATION OF THE ANSUL SYSTEM SHALL AUTOMATICALLY SHUT OFF ALL SOURCES OF FUEL AND HEAT TO ALL EQUIPMENT UNDER THE KITCHEN EXHAUST HOOD AND ALSO AUTOMATICALLY ACTIVATE THE BUILDING FIRE ALARM SYSTEM.
7. THE DISHWASHER CONDENSATE HOOD SHALL BE FACTORY FABRICATED AND HAVE BOTH A U.L. LABEL AND NSF. LABEL SEE DETAIL # 3002 ON SHEET A-30 FOR CROSS-SECTION OF HOOD INSTALLATION PLUS REQUIRED FIRE PROTECTION AND CLEARANCES OF DUCT SHAFTS.

KITCHEN DERATING SCHEDULE			
APPLIANE	KW	QUANTITY	TOTAL KW
20 QT MIXER	0.9	1	0.9
SLICER	0.8	1	0.8
STEAMER	1.0	1	1.0
TOASTER	0.8	1	0.8
TEA URN	1.0	2	2.0
COFFEE	5.0	1	5.0
HEATED BASE DISP.	0.9	1	0.9
BOOSTER HEATER	20.0	1	20.0
CONVEYOR DISHWASHER	28.0	1	28.0
BLIXER	0.9	1	0.9
HOT HOLDING CABINET	0.9	1	0.9
TOTAL LOAD			61.2
DERATING FACTOR: .65 39,800W = 111 AMPS 208 X 1.73			

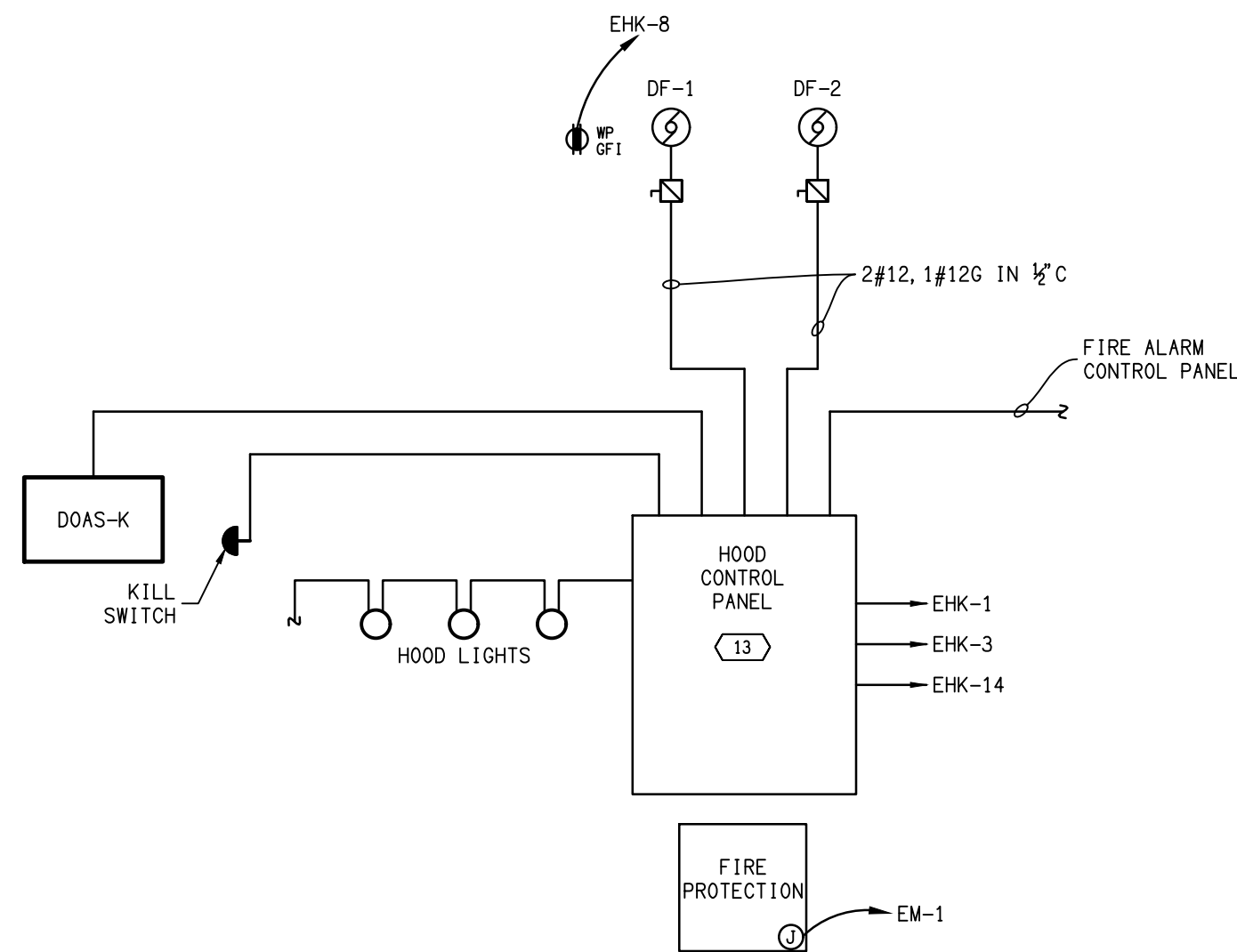
GENERAL NOTES:
1. CONTRACTOR SHALL VERIFY THE HOOD CONTROL PANEL CONNECTIONS AND MAKE ANY CHANGES NEEDED AT NO ADDITIONAL COST TO THE OWNER INCLUDING ADDING A SUB PANEL TO SERVE THE HOOD.
2. THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL CONNECTIONS BEFORE WORK BEGINS AND MATERIALS ARE ORDERED.
3. ALL RECEPTACLES IN KITCHEN THAT ARE 50 AMPS & SMALLER SHALL BE GF1.
4. THE OPERATION OF FIRE EXTINGUISHING SYSTEMS OR SUPPRESSION SYSTEMS SHALL INITIATE AN ALARM SIGNAL BY ALARM-INITIATING DEVICES INSTALLED IN ACCORDANCE WITH THEIR INDIVIDUAL LISTINGS.



C Floor Mounted Receptacle Box Φ_F
E11 SCALE: NTS



B Hood Power Riser
E11 SCALE: NTS

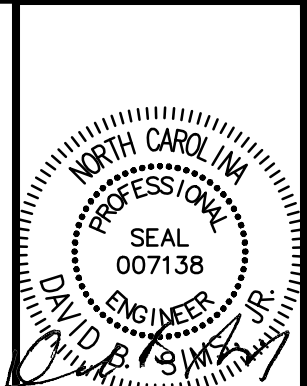


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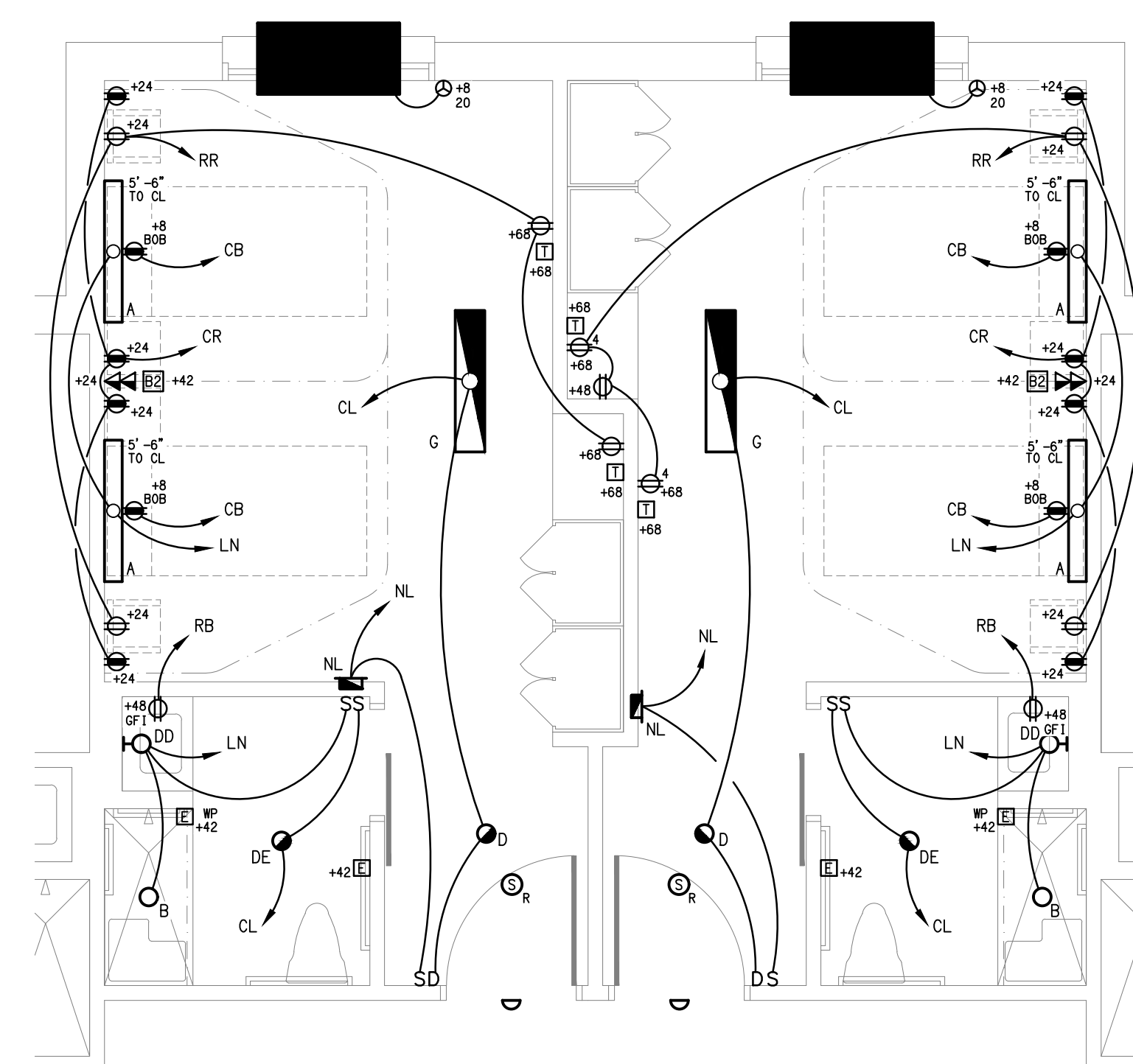
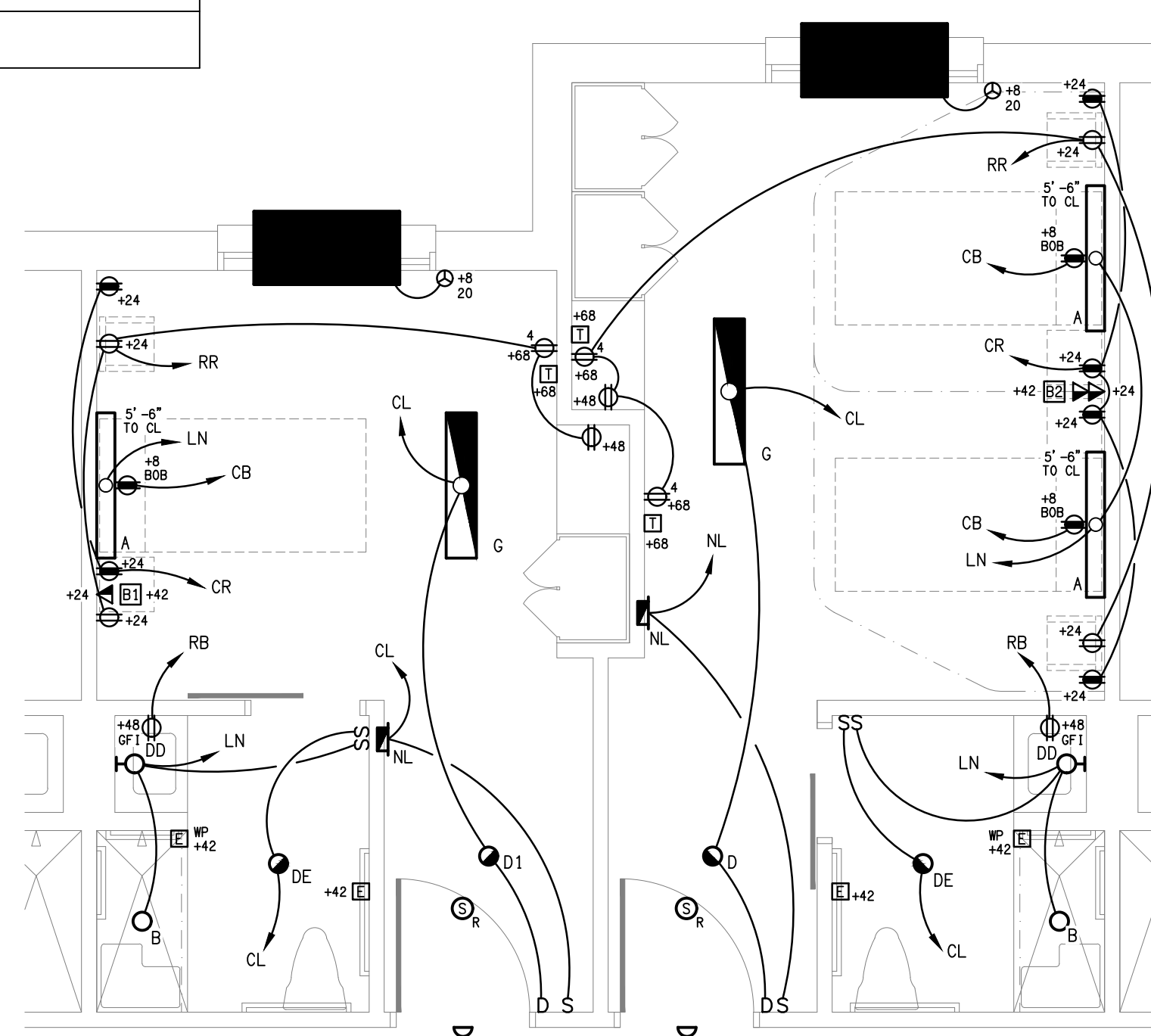
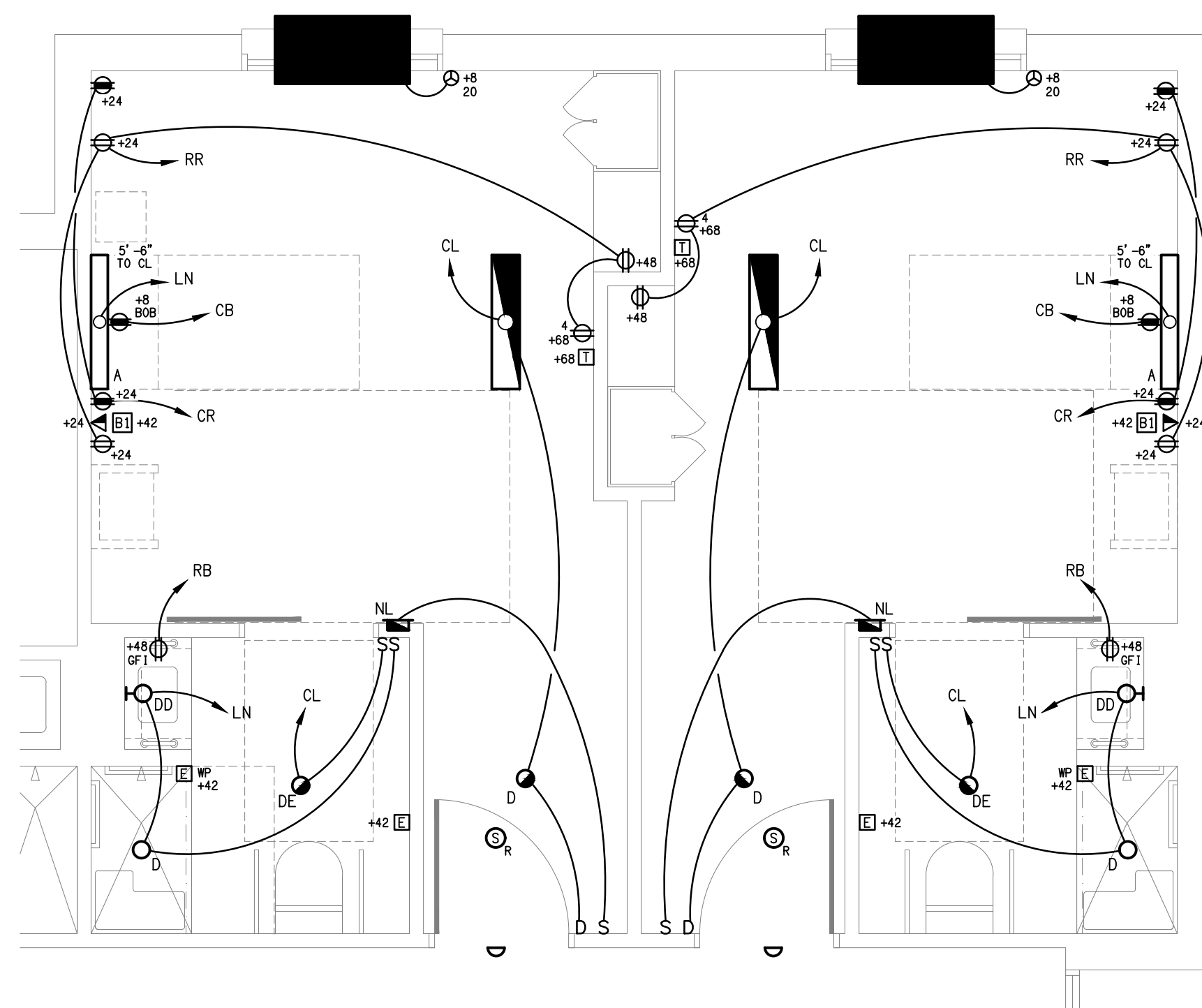
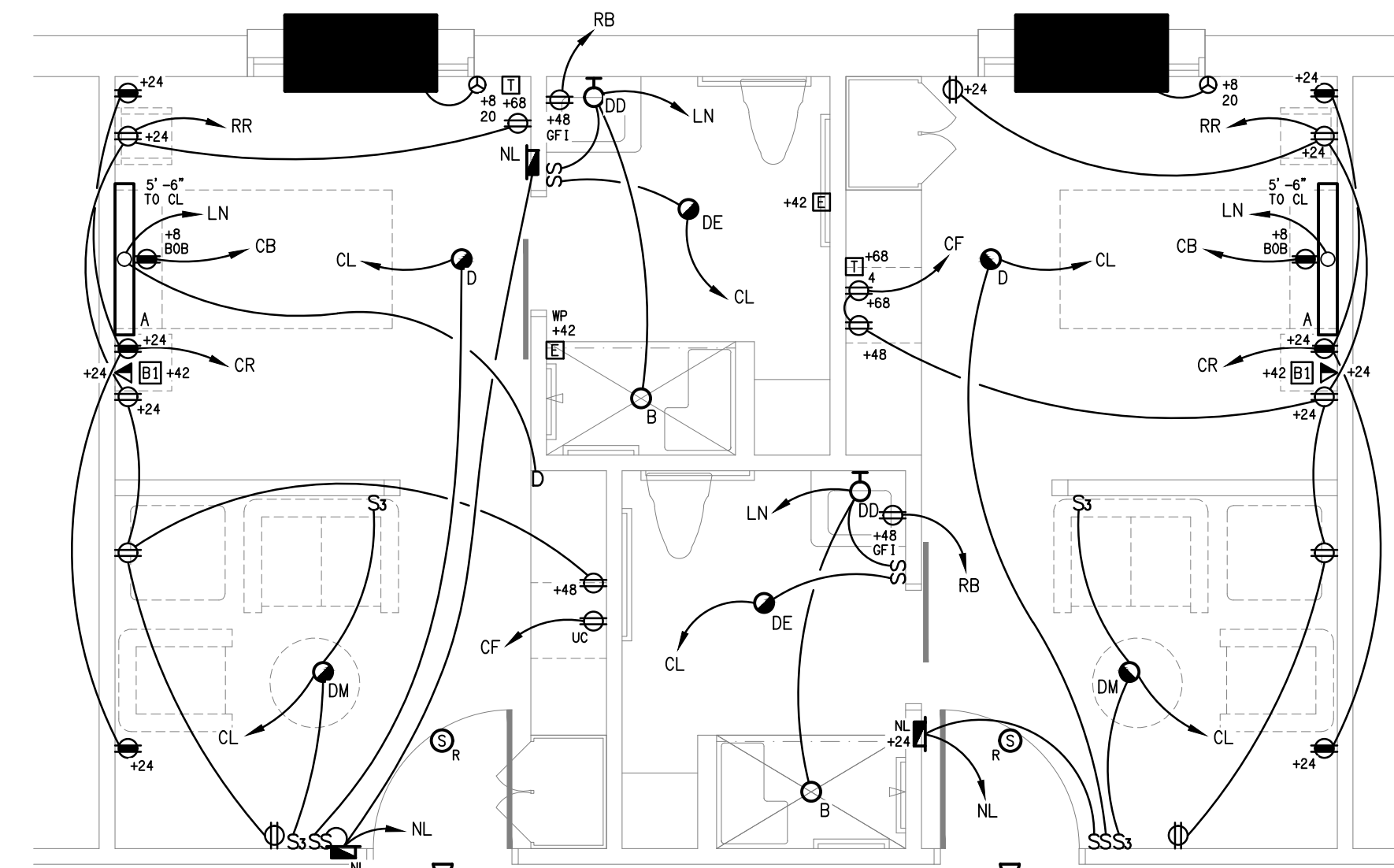
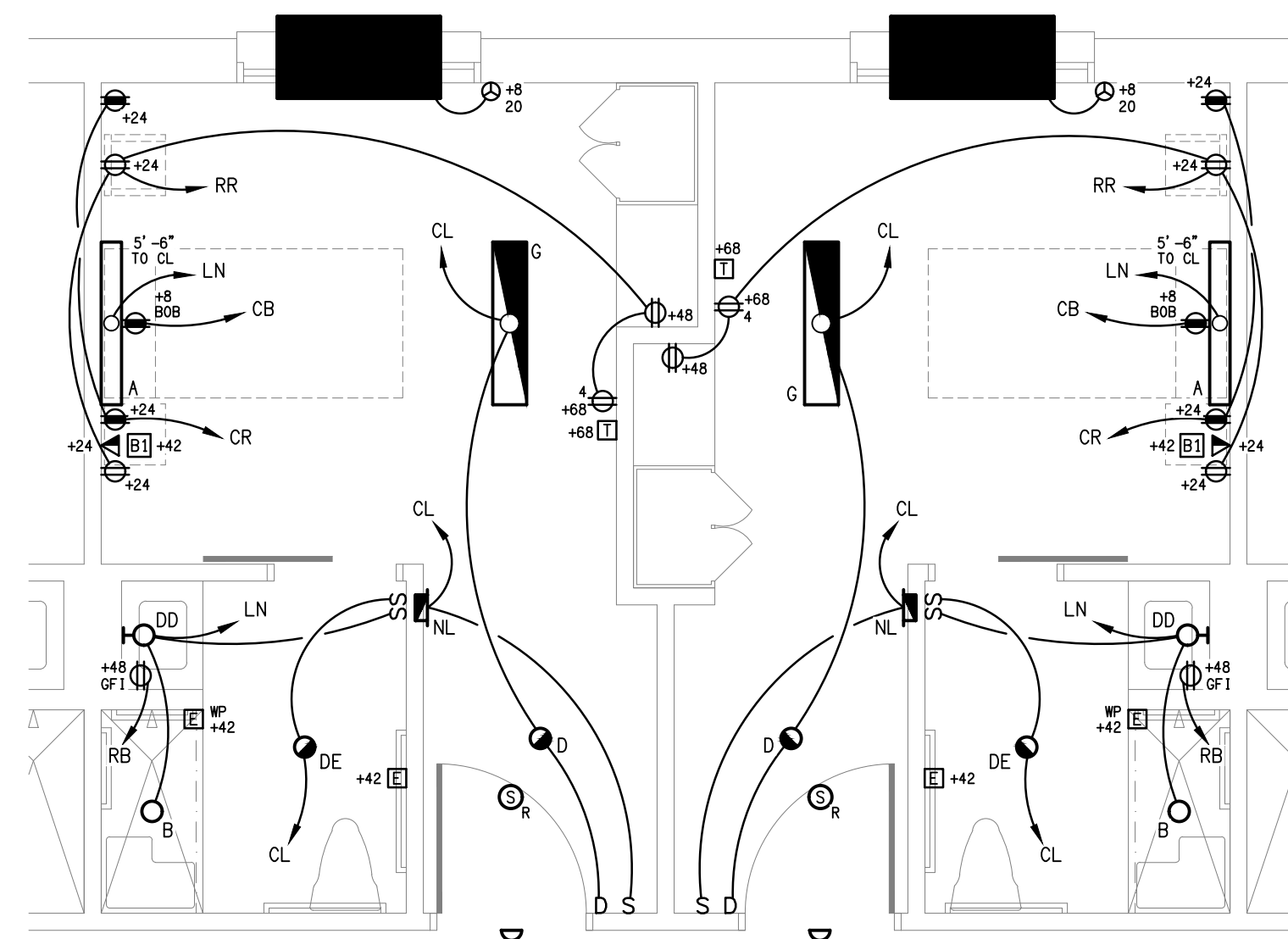
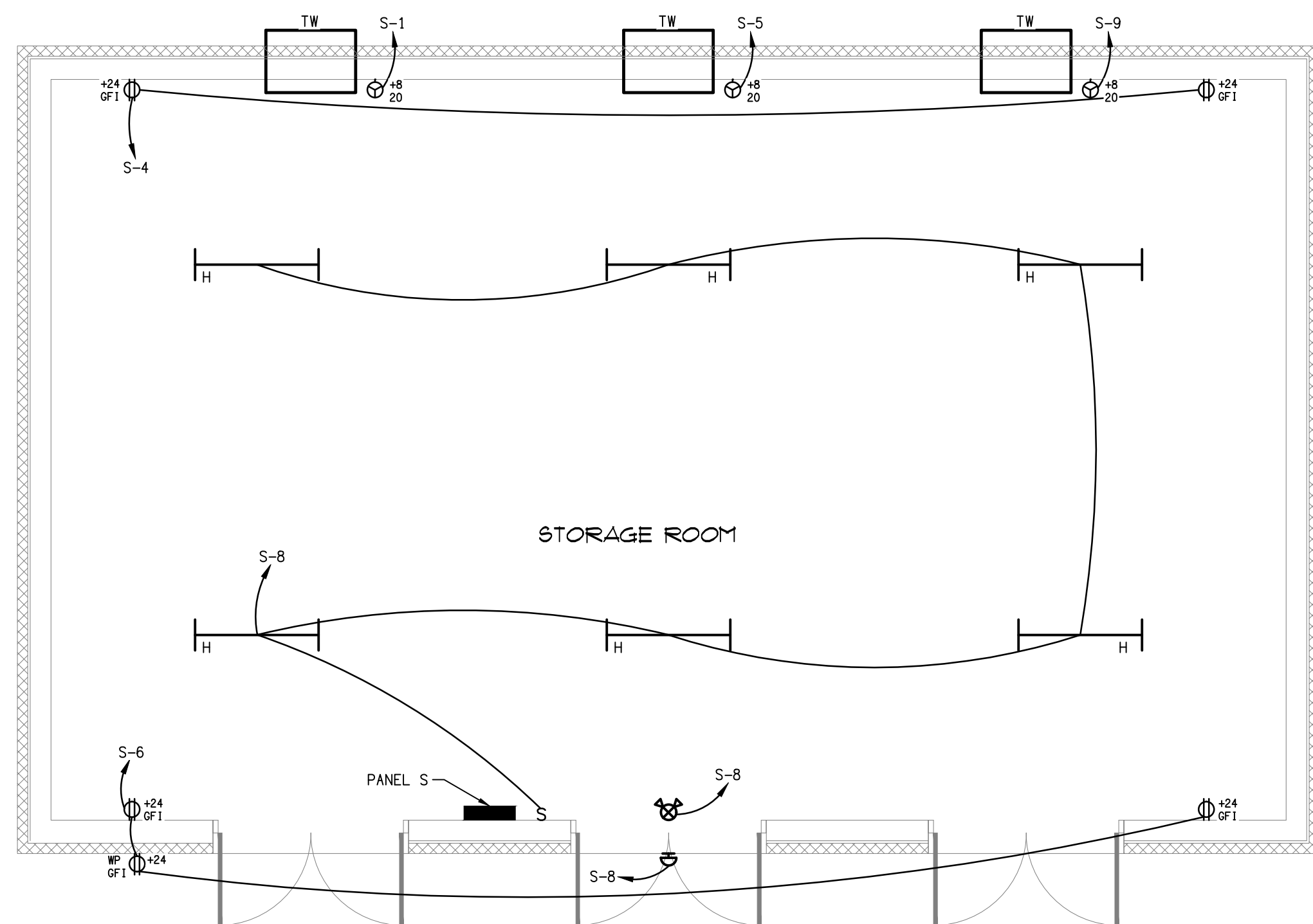
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E11

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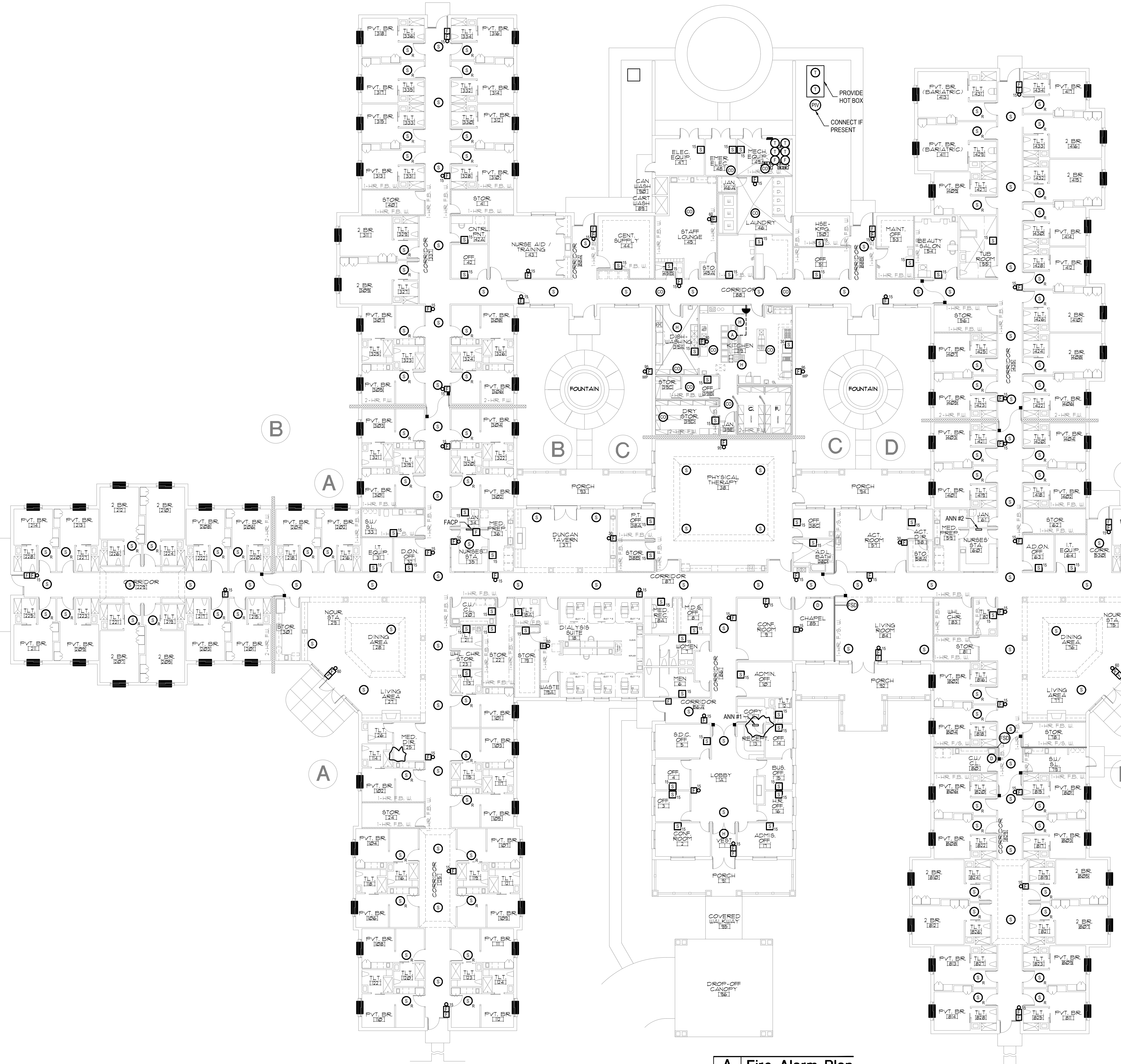


WIRE SIZE LEGEND	
SYMBOL	DESCRIPTION
RR	RECEPTACLE CIRCUIT NORMAL POWER
RB	BATHROOM RECEPTACLE NORMAL POWER
LN	LIGHT CIRCUIT NORMAL POWER
CL	LIGHT CIRCUIT CRITICAL POWER
CB	RECEPTACLE CRITICAL POWER FOR BED
CR	RECEPTACLE CRITICAL POWER FOR HEAD WALL
CE	RECEPT

NOTES:

1. ALL OF THE RECEPTACLES THAT ARE IN MEMORY CARE SHALL BE TAMPER PROOF.
2. BREAKERS FOR ALL PATIENT ROOMS THAT SERVE RECEPTACLES OR LIGHTS SHALL BE ARC FAULT.

symbol	date	description	by
REVISIONS			

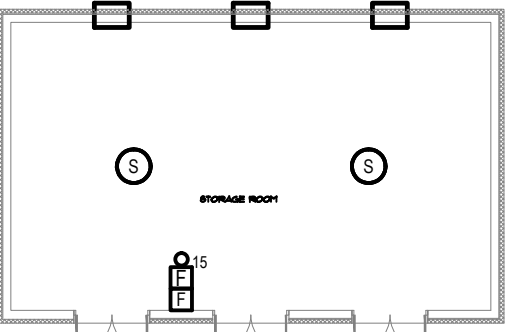


A Fire Alarm Plan
E13 SCALE: 1/16" = 1' - 0"

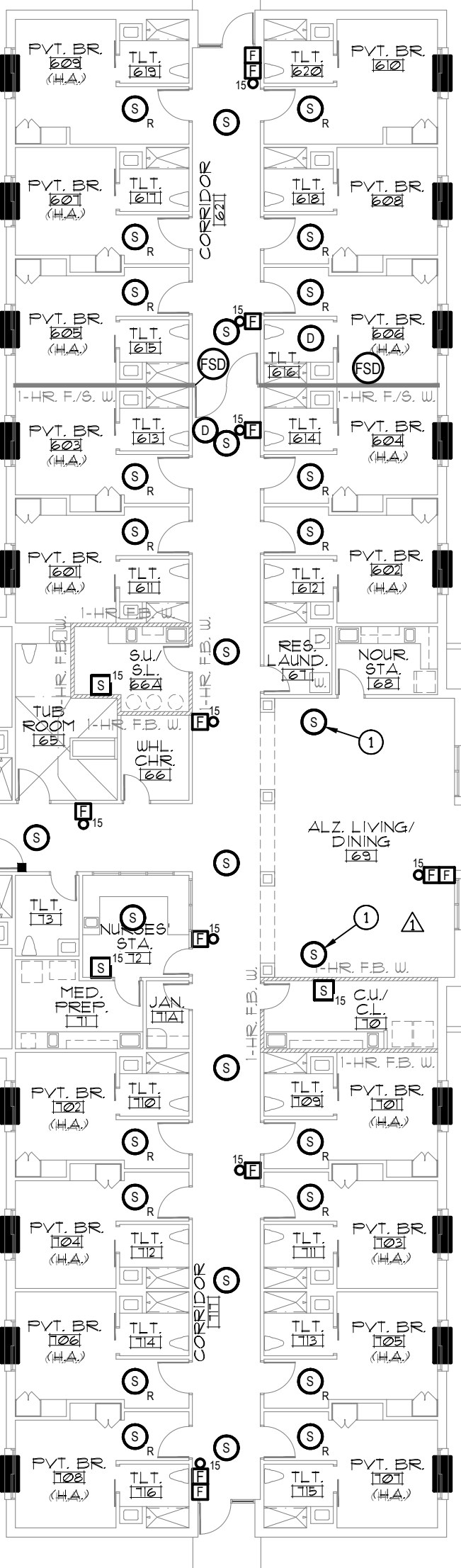
KEY NOTES

- ① MOUNT 12" OFF WALL.

- GENERAL NOTES:**
1. SMOKE DETECTORS SHALL BE OVER THREE FEET FROM HVAC SUPPLY & RETURN GRILLES.
 2. SMOKE DETECTORS SHALL BE OVER FIVE FEET FROM THE TIP OF ALL CEILING FAN BLADES.



B Fire Alarm Plan - Storage
E13 SCALE: 1/8" = 1' - 0"



symbol	date	description	by
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FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION
	MANUAL PULL STATION MTD. AT 40" TO CENTER
	SMOKE DETECTOR, PHOTOELECTRIC TYPE, CEILING MOUNTED
	RESIDENT SMOKE DETECTOR & SOUNDER, PHOTOELECTRIC TYPE, CEILING MOUNTED
	CHIME/STROBE, XX CANDELA, MOUNTED AT 84" TO CENTERLINE OF OUTLET BOX
	STROBE ONLY, XX CANDELA, MOUNTED AT 84" TO CENTERLINE OF OUTLET BOX
	HEAT DETECTOR, RATE OF RISE INDICATED IN DEGREES
	PRESSURE OR FLOW SWITCH BY OTHERS
	TAMPER SWITCH BY OTHERS
	DUCT DETECTOR
	POST INDICATOR VALVE BY OTHERS
	FIRE SMOKE DAMPER
	MAGNETIC DOOR HOLDERS
	FIRE ALARM PANEL
	AIR HANDLING UNIT BY MECHANICAL CONTRACTOR - SHUTDOWN, SHUTDOWN, RELAY & WIRING BY ELECTRICAL CONTRACTOR
	REMOTE CONTROL ANNUNCIATOR
	WEATHERPROOF
	EXTERIOR BELL
	HOOD FIRE SUPPRESSION SYSTEM
	AIR HANDLING UNIT, SEE MECHANICAL PLANS FOR LOCATIONS
	DEDICATED OUTSIDE AIR UNIT, SEE MECHANICAL PLANS FOR LOCATIONS
	CARBON MONOXIDE DETECTOR
	HOOD SHUT DOWN
	ROOM SOUNDER

FIRE ALARM NOTIFICATION

THE FIRE ALARM SYSTEM IS REQUIRED TO TRANSMIT AN ALARM AUTOMATICALLY TO THE FIRE DEPARTMENT (OR AGENCY) THAT IS LEGALLY COMMITTED TO SERVE THE AREA IN WHICH THE FACILITY IS LOCATED BY THE MOST DIRECT AND RELIABLE METHOD APPROVED BY THE LOCAL ORDINANCE. PROVIDE DUAL LINE DIALER FOR THIS SERVICE.

THE SIGNAL MUST GENERATE A SIGNAL IN THE NURSING FACILITY THAT CAN BE TRANSMITTED AUTOMATICALLY OVER THE CORRECT GRADE OF TELEPHONE CIRCUITS AND BE RECOGNIZED BY EQUIPMENT LOCATED IN THE CENTRAL STATION.

THE CONTRACTOR SHALL PROVIDE THE NECESSARY DEDICATED CIRCUIT (LEASED, INSTALLED OR OTHERWISE) FROM THE TELEPHONE COMPANY WHICH CAN CARRY THE NECESSARY SIGNAL FROM THE FACILITY TO THE MONITORING CENTER.

THE CONTRACTOR SHALL PAY ALL CONNECTION FEES ASSOCIATED WITH THE CONNECTION TO THE MONITORING AGENCY.

IF THE PROPER EQUIPMENT DOES NOT EXIST AT THE LOCAL FIRE DEPARTMENT TO RECEIVE THE SIGNAL THEN THE CONTRACTOR SHALL PROVIDE THE PROPER EQUIPMENT.

IF THE LOCAL ORDINANCE DOES NOT ALLOW AUTOMATIC ALARM EQUIPMENT TO BE PLACED IN THE FIRE DEPARTMENT, THE CONTRACTOR MUST OBTAIN THE SERVICES OF AN APPROVED MONITORING AGENCY WHO CAN RECEIVE THE SIGNAL, INTERPRET IT AS A FIRE ALARM SIGNAL AND THEN TELEPHONE THE LOCAL FIRE DEPARTMENT TO REPORT THE ALARM.

- NOTES:
- COORDINATE WITH MECHANICAL CONTRACTOR TO KEEP ALL SMOKE DETECTORS 3'-0" MINIMUM FROM ALL HVAC SUPPLY AND RETURN REGISTERS AND MAINTAIN A MAXIMUM OF 30'-0" SPACING BETWEEN SMOKE DETECTORS IN THE CORRIDORS AND A 15'-0" MINIMUM DISTANCE FROM EXTERIOR DOORWAYS AND 5'-0" FROM INTERIOR DOORWAYS IN CORRIDORS. CONTRACTOR SHALL ADD ANY DETECTORS REQUIRED TO MEET THE ABOVE SPACING AT NO EXPENSE TO THE OWNER.
 - FIRE ALARM TAMPER SWITCH SHALL BE CONNECTED TO FIRE ALARM PANEL TROUBLE ALARM. WHEN TROUBLE ALARM SOUNDS IT CANNOT BE SILENCED UNTIL THE VALVE IS FULLY OPENED.
 - ALL FIRE ALARM CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
 - PROVIDE RELAY MODULE FOR:
 - MAGNETIC DOOR HOLDERS
 - AHU SHUTDOWN
 - DOAS SHUTDOWN
 - VAHU SHUTDOWN
 - PROVIDE DUAL LINE DIALER AND CONNECT PHONE DIALER TO A CENTRAL MONITORING STATION. PROVIDE DIALER IF NEEDED. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT NEEDED FOR THIS CONNECTION AND SHALL PAY ALL FEES REQUIRED FOR THIS CONNECTION. PHONE DIALER SHALL BE A DUAL LINE DIALER PROVIDED BY THE CONTRACTOR. THE FIRE ALARM CONTRACTOR SHALL PROVIDE ANY REQUIRED SHUT DOWN RELAYS AT THE HVAC UNIT AND SHALL PROVIDE ALL WIRING AND CONNECTIONS.
 - ALL AHU'S & DOAS'S SHALL SHUT DOWN ON GENERAL ALARM.
 - ALL SECURITY OPERATED DOORS SHALL OPEN UPON GENERAL ALARM CONDITIONS.
 - INTERIOR TAMPER SWITCHES, PRESSURE OR FLOW SWITCHES AND TAMPER SWITCH AT POST INDICATING VALVE SHALL BE BY OTHERS WITH CONNECTION AND INSTALLATION BY THE CONTRACTOR. ALL OTHER EQUIPMENT AND INSTALLATION SHALL BE BY THE CONTRACTOR INCLUDING DUCT DETECTORS AND TAMPER SWITCHES IN THE BACKFLOW PREVENTOR PIT.
 - UPON COMPLETION OF THE INSTALLATION THE CONTRACTOR SHALL PROVIDE SMOKE DETECTOR SENSITIVITY REPORT AT THE FINAL STATE INSPECTION - SEE SPECS FOR COPY OF REPORT.
 - SYSTEM SHALL BE POWER LIMITED TYPE.
 - ALL COMPONENTS SHALL REFLECT U.L. LISTING AND LABELING FOR FIRE SERVICE USE AND SHALL BE COMPATIBLE.
 - SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, 72E, 70, ARTICLE 760-15, -16, -21, 7 NFPA 101 ARTICLE 7-4 AND ANSI A.17.1.4.26
 - ALL STROBES SHALL COMPLY WITH ADA REQUIREMENTS.
 - UPON ACTIVATION OF THE FIRE ALARM SYSTEM BY A MANUAL STATION, SMOKE DETECTOR, DUCT DETECTOR, ANSUL SYSTEM, FLOW OR PRESSURE SWITCHES THE FOLLOWING TAKES PLACE:
 - ENERGIZE ALL ALARM SIGNALING DEVICES.
 - SOUND ALL AUDIBLE ALARMS AND FLASH VISUAL SIGNAL THROUGHOUT THE BUILDING.
 - ALERT THE LOCAL FIRE DEPARTMENT OR PROPRIETARY SYSTEM.
 - CAUSE ALARM TO BE DISPLAYED ON THE ANNUNCIATOR AND ON THE CONTROL PANEL.
 - CLOSE ALL DOORS WHICH ARE HELD OPEN BY AUTOMATIC RELEASE DEVICES THROUGHOUT THE FACILITY OR BY ZONE.
 - SHUT DOWN ALL AHUS.
 - PROVIDE A COMPLETE ZONE NAME LIST SUCH THAT IT CAN BE DETERMINED IF THE SMOKE COMPARTMENT NAME IS USED IN EACH ZONE NAME AND THE ZONE NAMES HAVE BEEN COORDINATED WITH THE SMOKE COMPARTMENTS.
 - STROBE & STROBE/HORN CANDELA RATING:
HALL WAY & ROOMS 20x20 & SMALLER - 15/75 CANDELA
ROOMS LARGER THAN 20x20 CANDELA - 15/95 TO 110 CANDELA
EXTERIOR - 110 CANDELA
 - PROVIDE TAMPER SWITCH FOR BACKFLOW PREVENTOR. VERIFY WHETHER TAMPER SWITCH IS IN THE BUILDING OR IN A PIT ON THE SITE.
 - ALL STROBES AND STROBE/CHIMES SHALL BE ADJUSTABLE FOR LIGHT LEVEL AND AUDIO.
 - THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL BATTERY BOOSTER STATIONS & CONNECT TO A DEDICATED LIFE SAFETY CIRCUIT AT NO ADDITIONAL COST TO THE OWNER.
 - SYSTEM SHALL BE CLASS B WITH INDIVIDUAL SMOKE COMPARTMENTS. USE ISOLATION MODULES.
 - FIELD LOCATE THE REMOTE BOOSTER STATIONS. ALL LIFE SAFETY PANELS HAVE SPARE BREAKERS TO SERVE THOSE STATIONS.
 - PROVIDE ISOLATION MODULES AS NEEDED.
 - CONNECT ALL BATTERIES & REMOTE BATTERIES ON LIFE SAFETY 120V-20/1 SERVICE. PROVIDE LOCK-OUT BREAKER PAINTED RED.
 - FOR HALL SMOKE DETECTORS, IDENTIFY WHICH SMOKE COMPARTMENTS THAT THEY ARE LOCATED.
 - POST A MAP OF ALL SMOKE COMPARTMENTS SHOWING THE FIRE ALARM PLAN WITH ITS SMOKE COMPARTMENT. VERIFY LOCATION.
 - ALL REMOTE BATTERY CHARGERS SHALL BE CONNECTED TO A DEDICATED LIFE SAFETY RECEPTACLE WITH A LOCK-OUT BREAKER PAINTED RED. SEVERAL SPARE 15/1 BREAKERS ARE IN ALL LIFE SAFETY PANELS FOR THAT USE. IF USED, PROVIDE LOCK-OUT BREAKER AND ALL NEEDED WIRING FROM THE PANEL TO THE BATTERY CHARGING STATION.
 - SMOKE COMPARTMENTS SHALL BE INSTALLED AS SEPARATE SMOKE ZONES PER 2013 NFPA-72.
 - ALL SMOKE COMPARTMENTS SHALL BE PROGRAMMED AND INSTALLED WHERE FAILURE IN ONE SMOKE COMPARTMENT WILL NOT SHUT DOWN THE OTHER COMPARTMENTS.
 - COORDINATE WITH THE ELECTRICAL CONTRACTOR TO KEEP ALL SMOKE DETECTORS AWAY FROM THE TIP OF THE CEILING FAN BLADES.

DIGITAL COMMUNICATOR: (NOT NEEDED IF EXISTING IS ADEQUATE)

A. THE COMMUNICATOR SHALL TRANSMIT SIGNALS TO A CENTRAL STATION AND SHALL BE UL OR FM LISTED FOR FIRE REPORTING TO A CENTRAL STATION. THE COMMUNICATOR SHALL CONFORM TO THE REQUIREMENTS OF NFPA 72.

THE DIGITAL COMMUNICATOR SHALL PROVIDE POWER AND NECESSARY COMPONENTS FOR FOUR SUPERVISED DETECTION CIRCUITS. ONE SHALL BE CLASS A AND THREE SHALL BE CLASS B.

THE CONTROL/COMMUNICATOR SHALL HAVE THE CAPABILITY TO SUPERVISE TWO TELEPHONE LINES, SEIZE THE PHONE LINE AND SEND THE ALARM SIGNAL ON ONE OR BOTH LINES WITHOUT THE ADDITION OF ANY MORE EQUIPMENT. IT SHALL SOUND A LOCAL TROUBLE SIGNAL IF THE TELEPHONE SERVICE IS INTERRUPTED FOR LONGER THAN 45 SECONDS AND IT SHALL TRANSMIT A SIGNAL INDICATING THE LOSS OF PHONE LINE SERVICE TO THE CENTRAL STATION OVER THE REMAINING PHONE LINE. A SIGNAL SHALL ALSO BE TRANSMITTED INDICATING THE RESTORATION OF PHONE SERVICE. THE CONTROL/COMMUNICATOR SHALL BE ABLE TO REPORT THE LOSS OF EITHER PHONE LINE WITHOUT REGARD TO WHICH PHONE LINE FAILED FIRST. IF BOTH LINES FAIL, A LOCAL SIGNAL SHALL SOUND.

THE CONTROL/COMMUNICATOR SHALL HAVE THE ABILITY TO SEND A TEST SIGNAL TO THE CENTRAL STATION EVERY 24-HOURS. THE TEST SIGNAL SHALL BE ABLE TO BE TRANSMITTED AT A SPECIFIC TIME OF DAY OR NIGHT BY SETTING A PROGRAM WITHIN THE PANEL.

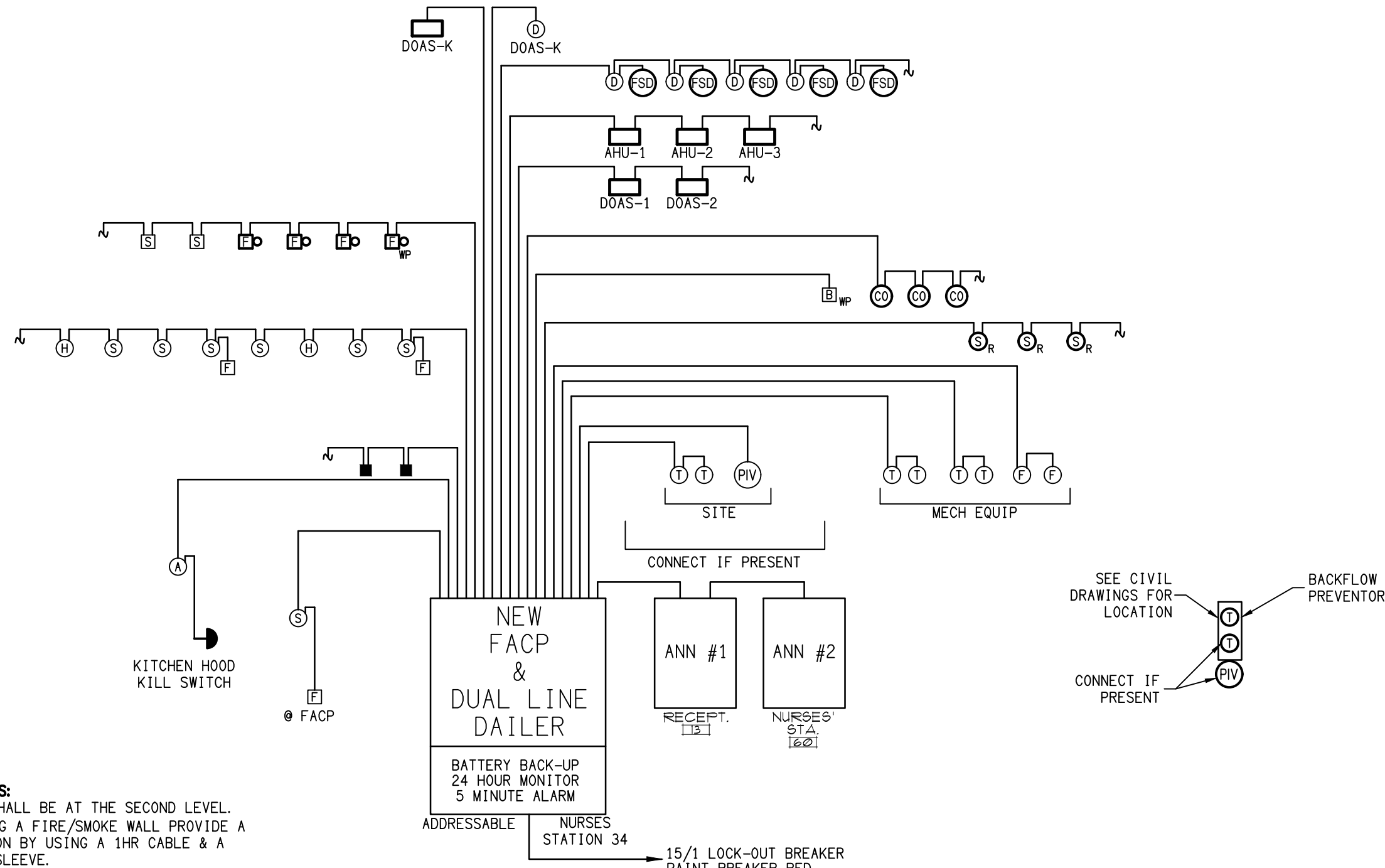
THE COMMUNICATOR SHALL BE ABLE TO TRANSMIT ALL SIGNALS IN THE STANDARD SIA FORMAT (SECURITY INDUSTRY ASSOCIATION).

THE ALARM SIGNALS TRANSMITTED TO THE CENTRAL STATION SHALL INDICATE WHICH OF THE ZONES IS IN ALARM AND WHICH ZONES ARE IN TROUBLE. RESTORATION FROM ALARM OR TROUBLE SHALL ALSO BE TRANSMITTED BY ZONE.

B. ALL WIRING FOR THE DIGITAL COMMUNICATOR SHALL BE IN 3/4" CONDUIT.

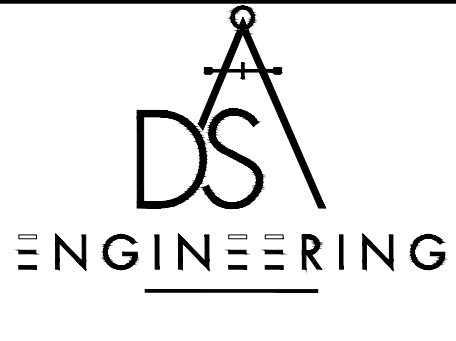
- INSTALLATION NOTES:
- WIRE SHALL BE COPPER.
 - ALL WIRE SHALL BE CAPPED AND RUN IN CONDUIT (EXCEPTION SEE NOTE 4)
 - MINIMUM CONDUIT SIZE SHALL BE 3/4" EMT WITH JUNCTION BOXES - PAINTED RED.
 - U.L. APPROVED FIRE ALARM CABLE MARKED FPL PER NEC 760-28 SHALL BE ALLOWED IN CONCEALED IN NON-PLENUM AREAS ONLY WHEN NOT EXPOSED TO MECHANICAL DAMAGE ROUTED IN FINISHED AREA AND TO COMPLY WITH NFPA-72 OTHERWISE ROUTE IN METAL CONDUIT.
 - ALL ALARM CIRCUITS SHALL BE 14 AWG MIN. SIGNAL CIRCUITS CAN BE 16 AWG MIN. ALL OTHER WIRE SHALL BE SIZED PER MFG INSTRUCTIONS.
 - ALL ALARM CIRCUITS SHALL BE 24V MIN.
 - DUCT DETECTOR SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR.
 - THE FIRE SMOKE DAMPER SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
 - FIRE ALARM SYSTEM SHALL BE ADDRESSABLE.

- SURVIVABILITY NOTES:**
- SURVIVABILITY SHALL BE AT THE SECOND LEVEL.
 - WHEN PENETRATING A FIRE/SMOKE WALL, PROVIDE A 2 HR PENETRATION BY USING A 1HR CABLE & A METAL CONDUIT SLEEVE.



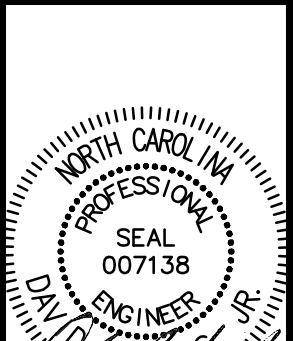
A **Fire Alarm Riser**
E14 SCALE: NTS

symbol	date	description	by
REVISIONS			



DSA ENGINEERING

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7/28/25

**HEARTLAND LIVING
AND REHABILITATION**
Greensboro, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

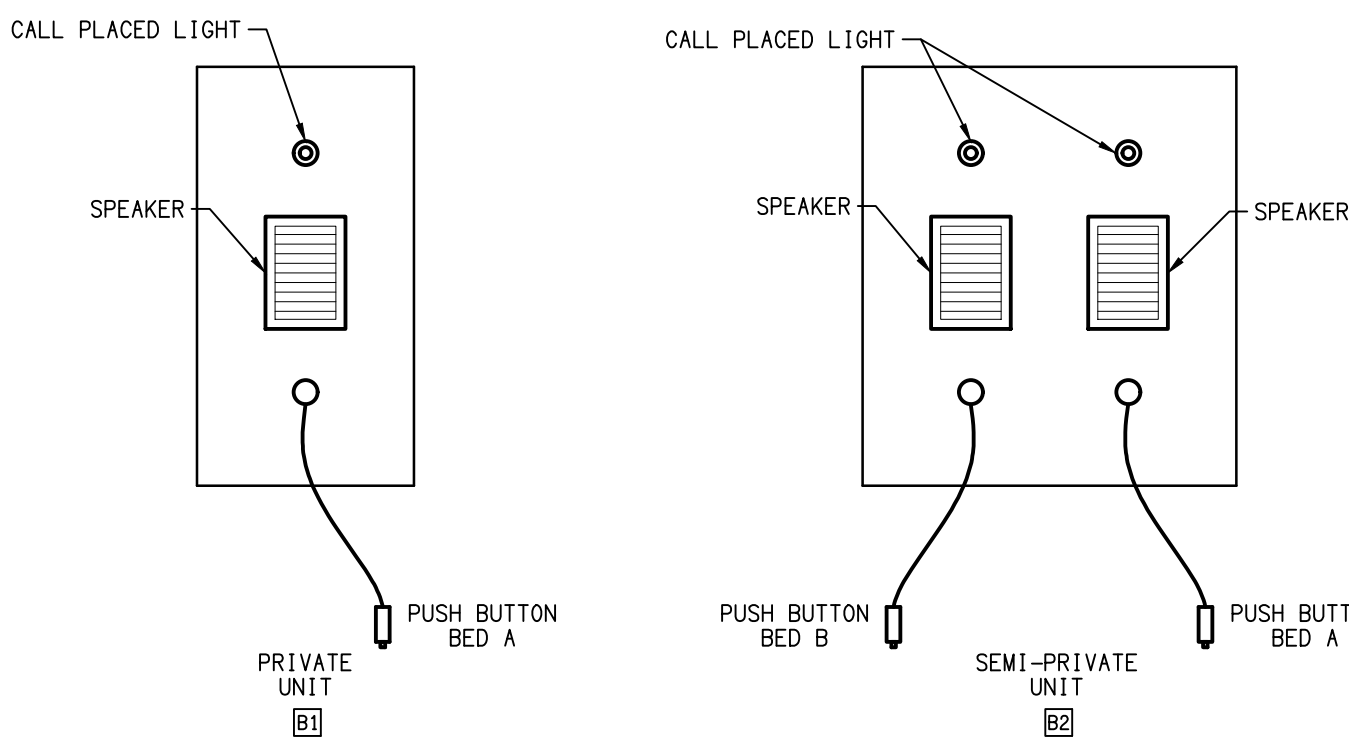
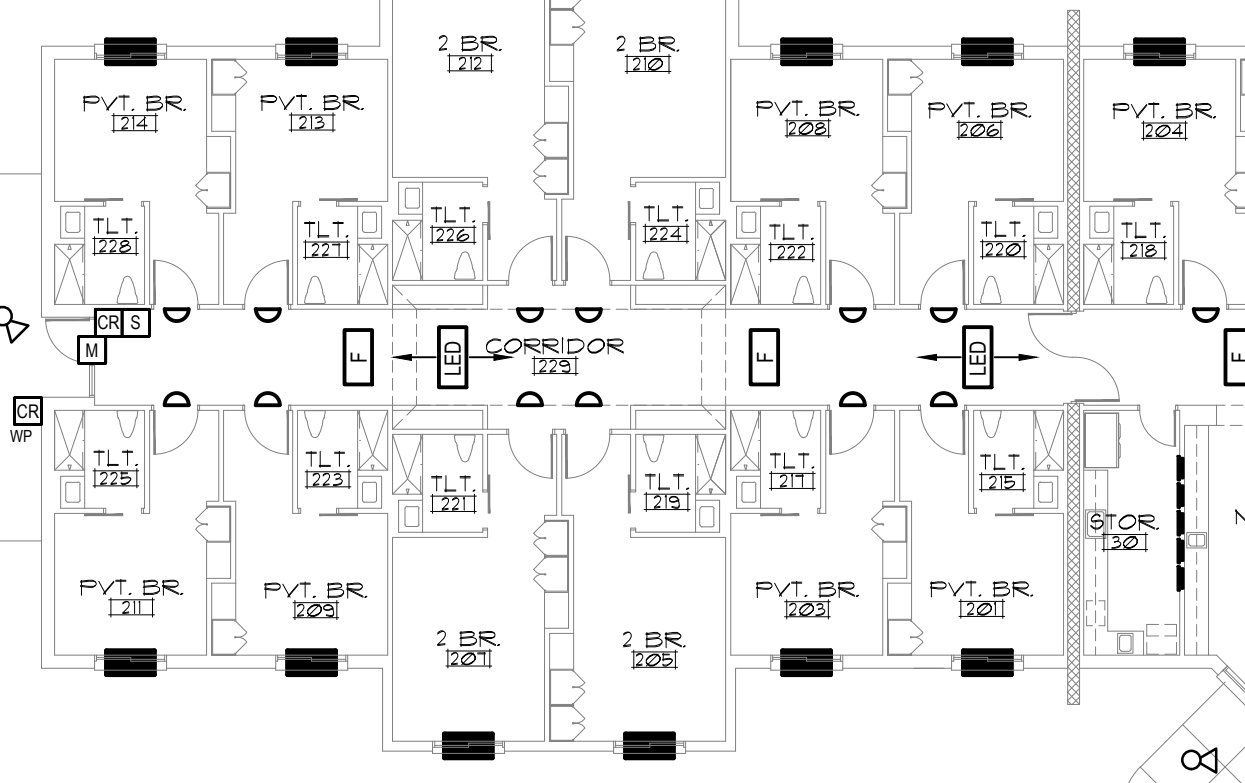
125 BED
FACILITY

E
14

NURSE'S CALL LEGEND	
	NURSE'S CALL, MASTER STATION
	NURSE'S CALL, BEDSIDE STATION, @ 3'-0" AFF., ONE STATION
	NURSE'S CALL, BEDSIDE STATION, @ 3'-0" AFF., TWO STATIONS
	NURSE'S CALL, EMERGENCY STATION IN TOILET AND BATHS 3'-6" TO CENTERLINE, WEATHERPROOF
	NURSE'S CALL, DOME LIGHT, MOUNT ON CEILING
	ZONE NURSE'S CALL DOME LIGHT
	NURSE' CALL, DIRECTIONAL LED LIGHT, ARROW TO INDICATE AREA OF PATIENT NEED
	VISIBLE DUTY LIGHT

NURSE CALL NOTES:

- AUDIBLE SIGNAL AND VISIBLE DUTY LIGHT SHALL ACTIVATE AT NURSING STATION WHEN THE NURSE CALL SYSTEM ACTIVATES.
- ALL EMERGENCY PULL STATION IN THE SHOWERS SHALL BE WATERPROOF.
- VISIBLE DUTY LIGHT SHALL BE CONNECTED TO THE NURSE CALL PANEL AND SHALL ACTIVATE WHEN NURSE CALL SIGNALS ARE ACTIVATED.
- PUSH BUTTON SHALL ACTIVATE LIGHT SOUNDER AT NURSE'S STATION AND LIGHT ON THE CEILING OVER DOOR.
- HALL LIGHTS SHALL HAVE TWO LIGHTS. BED STATION SHALL ACTIVATE ONE LIGHT AND THE TOILET/SHOWER STATION SHALL ACTIVATE THE SECOND LIGHT.
- RESTROOM SHALL HAVE PULL CORD TO ACTIVATE SYSTEM LIKE PUSH BUTTON.
- THE EMERGENCY "E" SHALL CAUSE LIGHTS TO FLASH AND THE BED STATION "B" SHALL CALL FOR STEADY LIGHT.
- SYSTEM SHALL BE TWO WAY VOICE COMMUNICATION.
- OWNER SHALL APPROVE NURSE CALL SYSTEM BEFORE MATERIALS ARE ORDERED.
- THE CONTRACTOR SHALL CONNECT TO THE CRITICAL POWER SYSTEM. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE CRITICAL POWER SERVICE.
- CONTRACTOR SHALL PROVIDE ALL CONDUIT, MATERIALS, ETC. FOR A COMPLETE AND OPERATING HARD WIRED SYSTEM.
- SYSTEM SHALL BE WIRELESS & SHALL MEET THE REQUIREMENTS OF UL 1069 EDITION #7.
- ALL DOME LIGHTS SHALL BE CEILING MOUNTED.
- NURSE CALL MANUFACTURER IS JERON PROVIDER 790.
- PROVIDE NURSE CALL DOCUMENTATION.
- BATHROOM NURSE CALL SHALL BE INSTALLED 12" OFF THE FRONT OF THE TOILET BOWL AND 42" ABOVE THE FLOOR.



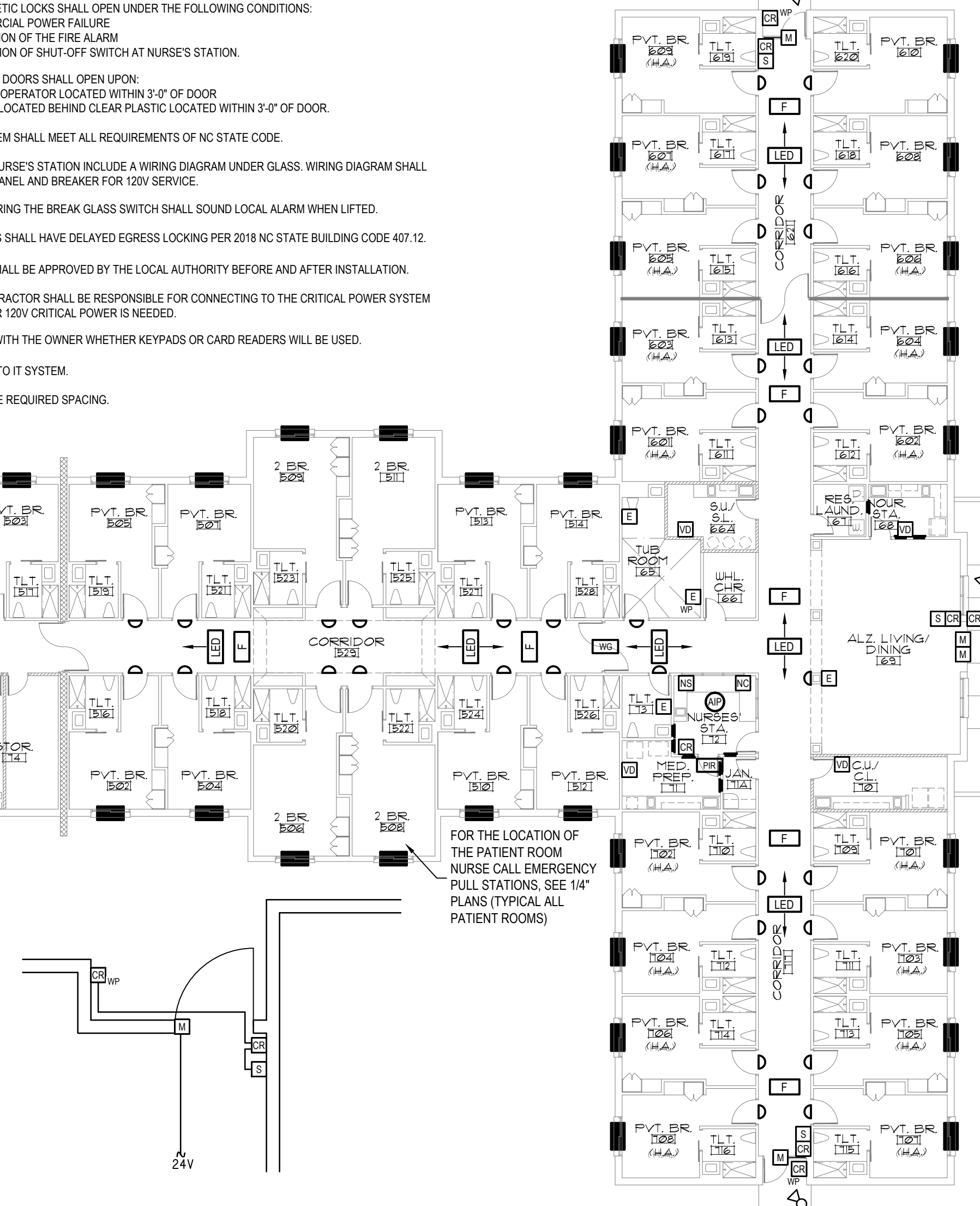
D Nurse's Call Bedside Station
E15 SCALE: NTS

A Nurse Call & Door Security Plan
E15 SCALE: 1/16" = 1' - 0"

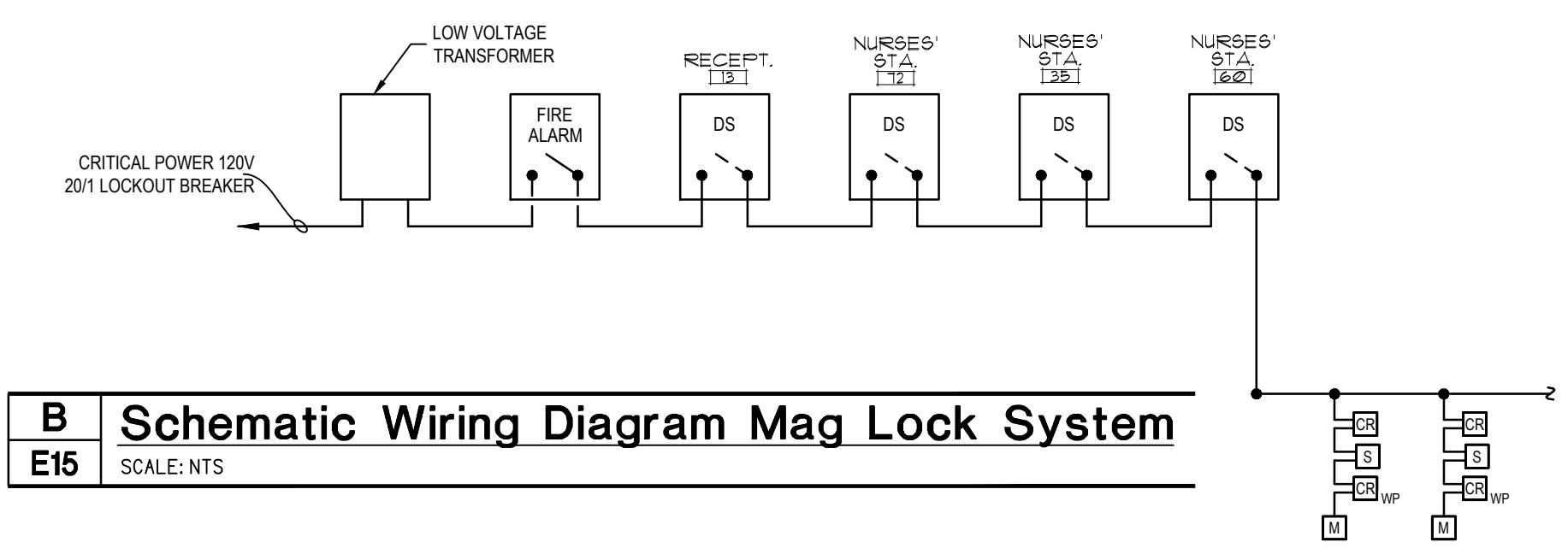
DOOR SECURITY LEGEND	
SYMBOL	DESCRIPTION
	DOOR SECURITY CONTROL PANEL
	EMERGENCY SHUTOFF, PROVIDE CLEAR PLASTIC COVER WITH SOUNDER
	EMERGENCY SHUTOFF, PROVIDE CLEAR PLASTIC COVER WITH SOUNDER EXTERIOR, WEATHERPROOF
	CARD READER - INTERIOR
	CARD READER - EXTERIOR, WEATHER PRROF
	MAGNETIC DOOR LOCK
	MAGNETIC DOOR HOLDERS
	DOORBELL
	DOORBELL BUTTON
	WANDERGAURD CONTROLLED WITH DELAYED EGRESS
	DOOR RELEASE
	AI PHONE STATION
	MOTION SENSOR
	DOME CAMERA - WEATHERPROOF
	WANDERGAURD
	REQUEST TO EXIT
	WIFI BOX, SEE NOTES 10 AND 11.

MAG LOCK NOTES:

- ALL MAGNETIC LOCKS SHALL OPEN UNDER THE FOLLOWING CONDITIONS:
 - COMMERCIAL POWER FAILURE
 - ACTIVATION OF THE FIRE ALARM
 - ACTIVATION OF SHUT-OFF SWITCH AT NURSE'S STATION.
- INDIVIDUAL DOORS SHALL OPEN UPON:
 - KEYPAD OPERATOR LOCATED WITHIN 3'-0" OF DOOR
 - SWITCH LOCATED BEHIND CLEAR PLASTIC LOCATED WITHIN 3'-0" OF DOOR.
- THIS SYSTEM SHALL MEET ALL REQUIREMENTS OF NC STATE CODE.
- AT EACH NURSE'S STATION INCLUDE A WIRING DIAGRAM UNDER GLASS. WIRING DIAGRAM SHALL IDENTIFY PANEL AND BREAKER FOR 120V SERVICE.
- BOX COVERING THE BREAK GLASS SWITCH SHALL SOUND LOCAL ALARM WHEN LIFTED.
- ALL DOORS SHALL HAVE DELAYED EGRESS LOCKING PER 2018 NC STATE BUILDING CODE 407.12.
- SYSTEM SHALL BE APPROVED BY THE LOCAL AUTHORITY BEFORE AND AFTER INSTALLATION.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING TO THE CRITICAL POWER SYSTEM WHEREVER 120V CRITICAL POWER IS NEEDED.
- CONFIRM WITH THE OWNER WHETHER KEYPADS OR CARD READERS WILL BE USED.
- CONNECT TO IT SYSTEM.
- VERIFY THE REQUIRED SPACING.



C Mag Locks at Door
E15 SCALE: NTS



B Schematic Wiring Diagram Mag Lock System
E15 SCALE: NTS

symbol	date	description	by
REVISIONS			

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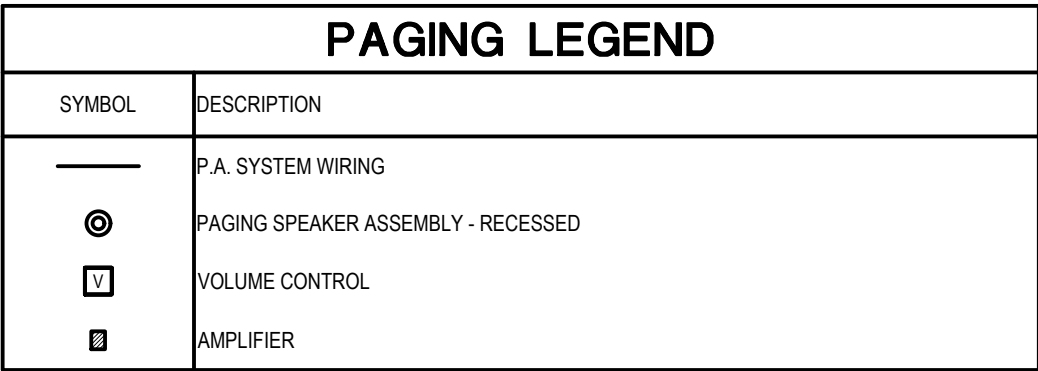
5/1/25

**HEARTLAND LIVING
AND REHABILITATION**
Greensboro, North Carolina

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15



PAGING SYSTEM NOTES:

1. COORDINATE SPEAKER LOCATIONS WITH FIRE ALARM LAY-OUT. SMOKE DETECTOR SPACING SHALL TAKE PRECEDENCE OVER SPEAKER LOCATION
2. ALL SPEAKER SHALL BE 8" DIAMETER AND RECESSED.
3. PROVIDE CAP OVER SPEAKERS TO PRESERVE THE FIRE RATING OF THE CEILING

B	P/A System Riser
E16	SCALE: NTS

A	Public Address System Plan
E16	SCALE: 1/16" = 1' -0"

symbol	date	description	by
REVISIONS			

PANEL - A																								
TYPE		BOLT-ON		MOUNTING		FLUSH		ENCLOSURE		NEMA-1		PHASE		3		WIRE		4						
VOLTS		120/208		MAIN		400A MLO		FRAME		400A		SHORT CIR.RATING		22,000		RMS SYM		MIN						
O.K.T. NO.	O.K.T. TRIP	DESCRIPTION		PHASE		LOADING		PHASE		LOADING		PHASE		DESCRIPTION		O.K.T. TRIP		O.K.T. NO.						
				A	B	C	A	B	C	A	B	C	A	B	A	B	A	B	A	B	C	A		
1	50/2	HP-1		28		70				4		12		RECPT - PORCH 9		20/1		2				2		
3														RECPT - CONF. 2		20/1		4				4		
5	90/2	AHU-1				70						6		FIREPLACE - LOBBY 1A		20/1		6				6		
7				70						14				RECPT - OFF. 15		20/1		8				8		
9	25/2	HP-3		16						12				RECPT - COPIER 13		20/1		10				10		
11				16						10				RECPT - LOBBY 1A		20/1		12				12		
13	40/2	AHU-3		30						14				RECPT - OFFICE 3		20/1		14				14		
15				30						10				RECPT - MEN 6		20/1		16				16		
17	20/2	HP-2				15				10				RECPT - CORR 87		20/1		18				18		
19				15		21				12				RECPT - CONF 9		20/1		20				20		
21	30/2	AHU-2				21				6				RECPT - PORCH 92		20/1		22				22		
23				21						8				RECPT - CONF 9		20/1		24				24		
25	20/2	HP-8		15						10				FIREPLACE TV - 37		20/1		26				26		
27				15		21				8				RECPT - DUNCAN 37		20/1		28				28		
29	30/2	AHU-8				21								SPARE		20/1		30				30		
31				21						30												32		
33	25/2	HP-4				16				104				AHU-28		40/2		34				34		
35						16				97				PANEL AA		150/3		36				36		
37	20/1	RECPT - CHAPEL 85		12		30				89												40		
39	40/2	AHU-4								104												42		
41																						42		
SUBTOTAL				191		156		189		145		173		166								42		
				TOTAL PANEL LOAD:		A# 336A		B# 329A		C# 355A										NEUTRAL TERMINAL BAR		[X]		
NOTES:																						GROUND TERMINAL BAR [X]		

PANEL - AA																								
TYPE		BOLT-ON		MOUNTING		FLUSH		ENCLOSURE		NEMA-1		PHASE 3		WIRE 4										
VOLTS		120/208		MAIN		150A MLO		FRAME		225A		SHORT CIR.RATING		10,000		RMS SYM								
O.K.T. NO.	O.K.T. BKR TRIP	DESCRIPTION		PHASE		LOADING		PHASE		LOADING		PHASE		LOADING		PHASE		DESCRIPTION		O.K.T. BKR TRIP		O.K.T. NO.		O.K.T. NO.
				A	B	C	A	B	C	A	B	C	A	B	C	A	B	A	B	A	B	C	A	
1	20/1	EWC				6						10						RECPT		20/1		2		2
3	25/2	HP-28				16		16				10				6		LTS - TAVERN 37		20/1		4		4
5								16										FAN - PORCH 91		20/1		6		6
7	20/1	LTS - ACT 57		6								8		10				LTS - LR 84		20/1		8		8
9	20/1	SPARE				-												LTS - CORR 87		20/1		10		10
11	20/1	RECPT - DON 32						12				30				30		RANGE - PT 38		40/2		12		12
13	20/1	RECPT - JANITOR 34		8								30												14
15	20/1	LTS - LOBBY 1A				8		8				6						HOOD - PT 38		20/1		16		16
17	15/2	DOAS-1				9		9				10		4				RECPT - PT 38		20/1		18		18
19						9						10		10				DW - P.T. 38		20/1		20		20
21	15/2	DOAS-2				9		9				10		10				DH-1		20/2		22		22
23								9																24
25	20/1	SPARE				-						10		10				DH-2		20/1		26		26
26	20/1	ENTRY SIGN				10								10		10				20/1		28		28
29	20/1	RECPT		8				8								-		SPARE		20/1		30		30
31												-						SPARE		20/1		32		32
33												-						SPARE		20/1		34		34
35																								36
37																								38
39																								40
41																								42
SUBTOTAL						29		43		54		68		46		50								42
						TOTAL PANEL LOAD:		AP 97A		BP 99A		CP 104A												42
NOTES:																								
NEUTRAL TERMINAL BAR [X]																								
GROUND TERMINAL BAR [X]																								

PANEL-I																			
TYPE		BOLT-ON		MOUNTING		FLUSH		ENCLOSURE		NEMA-1		PHASE		3		WIRE		4	
VOLTS		120/208		MAIN		150A MLO		FRAME		225A		SHORT CIR.RATING		10,000		RMS SYM		MIN	
CKT. NO.	CKT. TRIP	DESCRIPTION			PHASE			LOADING			PHASE			DESCRIPTION			CKT. NO.	CKT. TRIP	
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
1	20/1	RR - 601									6			RB - 601,3,5			20/1	2	
3	20/1	RR - 603		10								6		RB - 607,9,10			20/1	4	
5	20/1	RR - 605			10								6	RB - 606,8			20/1	6	
7	20/1	RR - 607			10						4			RB - 602,4			20/1	8	
9	20/1	RR - 609			10							6		RB - 702,4,6			20/1	10	
11	30/2	RR - 610			10								6	RB - 705,7,8			20/1	12	
13	20/1	RR - 608		10							4			RB - 701,3			20/1	14	
15	20/1	RR - 606			10							10		LN - 701-708			20/1	16	
17	20/1	RR - 604			10								10	LN - 602,4,6,8,10			20/1	18	
19	20/1	RR - 602			10						10			LN - 601,3,5,7,9			20/1	20	
21	20/1	RR - 702				10					-		-	SPARE			20/1	22	
23	20/1	RR - 704				10						-	-	SPARE			20/1	24	
25	20/1	RR - 706			10												20/1	26	
27	20/1	RR - 708				10											20/1	28	
29	20/1	RR - 707					10										20/1	30	
31	20/1	RR - 705			10												20/1	32	
33	20/1	RR - 703					10										20/1	34	
35	20/1	RR - 701						10									20/1	36	
37																		40	
39																		42	
41																		42	
SUBTOTAL				60		60		60				24		22		22			
NOTES:		TOTAL PANEL LOAD: A# 84A B# 82A C# 82A NEUTRAL TERMINAL BAR ☒ GROUND TERMINAL BAR ☒																	

PANEL-K																			
TYPE		BOLT-ON		MOUNTING		FLUSH		ENCLOSURE		NEMA-1		PHASE 3		WIRE 4					
VOLTS		120/208		MAIN		225A MLO		FRAME		225A		SHORT CIR.RATING		10,000		RMS SYM		MIN	
CKT. NO.	CKT. BKR. TRIP	DESCRIPTION			PHASE			LOADING			PHASE			DESCRIPTION			CKT. BKR. TRIP	CKT. NO.	
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
1	20/1	MIXER	9		10						53						CONVEYOR DISHWASHER	70/3	2
3	20/1	SLICER	11				8					53					34		4
5	20/1	TOASTER	21					10					53				BOOSTER HEATER	35	6
7											80							110/3	8
9	20/1	FOOD DISPOSAL	23				8					80							10
11												80							12
13											5						COND HOOD	37	14
15	20/1	RECPT					10										SPARE	20/1	16
17	20/1	DISH DISPENSER	25.1					10									SPARE	20/1	18
19	20/1	TEA URN	27		12												SPARE	20/1	20
21	20/1	TEA URN	27		12												SPARE	20/1	22
23	30/2	COFFEE	28					20											24
25																			26
27	20/1	HEATED BASE	29		20			10											28
29	20/1	BUXER	47						10										30
31																			32
33																			34
35																			36
37																			38
39																			40
41																			42
SUBTOTAL					42	48	50				138	133	133						
NOTES:		TOTAL PANEL LOAD: A# 180A B# 181A C# 183A NEUTRAL TERMINAL BAR ☒ GROUND TERMINAL BAR ☒																	

PANEL-SLS																			
TYPE		BOLT-ON		MOUNTING		SURFACE		ENCLOSURE		NEMA-3R		PHASE		3		WIRE		4	
VOLTS		120/208		MAIN		125A MCB		FRAME		125A		SHORT CIR.RATING		10,000		RMS SYM		MIN	
CKT. NO.	CKT. BKR. TRIP	DESCRIPTION	PHASE			LOADING			LOADING			PHASE			DESCRIPTION	CKT. BKR. TRIP	CKT. NO.		
			A	B	C	A	B	C	A	B	C	A	B	C					
1	20/1	RECPT				2						64			2 - 10 HP	100/3	2		
3	20/1	SPARE				-							64				4		
5	20/1	SPARE				-								64			6		
7	-	BLANK				-									BLANK		8		
9	-	BLANK				-									BLANK		10		
11	-	BLANK				-									BLANK		12		
13	-	BLANK				-									BLANK		14		
15	-	BLANK				-									BLANK		16		
17	-	BLANK				-									BLANK		18		
19	-	BLANK				-									BLANK		20		
21	-	BLANK				-									BLANK		22		
23																	24		
25																	26		
27																	28		
29																	30		
31																	32		
33																	34		
35																	36		
37																	38		
39																	40		
41																	42		
SUBTOTAL						2	0	0				64	64	64					
NOTES:			TOTAL PANEL LOAD: A# 66A B# 64A C# 64A																
																	NEUTRAL TERMINAL BAR	☒	
																	GROUND TERMINAL BAR	☒	

PANEL-S																						
TYPE		BOLT-ON		MOUNTING		SURFACE		ENCLOSURE		NEMA-1		PHASE		3		WIRE		4				
VOLTS		120/208		MAIN		100A MLO		FRAME		100A		SHORT CIR.RATING		10,000		RMS SYM		MIN				
CKT. NO.	CKT. BKR. TRIP	DESCRIPTION			PHASE			LOADING			PHASE			DESCRIPTION			CKT. BKR. TRIP	CKT. NO.				
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C						
1	20/2	PTAC - STORAGE			14			14			4			SPARE			20/1	2				
3											6			RECPT - STORAGE			20/1	4				
5	20/2	PTAC - STORAGE			14			14			8			6			LTS - STORAGE			20/1	6	
7														SPARE			20/1	8				
9	20/2	PTAC - STORAGE			14			14						SPARE			20/1	10				
11								14						SPARE			20/1	12				
13	20/1	SPARE			-			-						SPARE			20/1	14				
15	20/1	SPARE			-			-						SPARE			20/1	16				
17	20/1	SPARE			-			-						SPARE			20/1	18				
19	20/1	SPARE			-			-						SPARE			20/1	20				
21																		22				
23																		24				
25																		26				
27																		28				
29																		30				
31																		32				
33																		34				
35																		36				
37																		38				
39																		40				
41																		42				
SUBTOTAL					28			28			28			8			4			6		

PANEL-EC																											
TYPE <u>BOLT-ON</u>				MOUNTING <u>SURFACE</u>				ENCLOSURE <u>NEMA-1</u>				PHASE <u>3</u>				WIRE <u>4</u>											
VOLTS <u>120/208</u>				MAIN				800A MLO				FRAME				800A				SHORT CIR.RATING <u>65,000</u>				RMS SYM MIN			
CKT. NO.	CKT. TRIP	DESCRIPTION	PHASE		LOADING		A	B	C	LOADING		PHASE		DESCRIPTION	CKT. TRIP	CKT. NO.											
			A	B	C	A				B	C																
1	100/3	PANEL ECA	42		52					63		60		PANEL ECF	100/3	2											
3																4											
5					50							62															
7	150/3	PANEL ECB	84							76				PANEL ECG	100/3	8											
9					82						60					10											
11						70						60				12											
13	200/3	PANEL ECC	116							99				PANEL ECH	150/3	14											
15					118						84					16											
17						116						80				18											
19	150/3	PANEL ECD	99							69				PANEL ECI	100/3	20											
21					102						52					22											
23						86						56				24											
25	60/3	PANEL ECE	31													26											
27					32											28											
29						50										30											
31																32											
33																34											
35																36											
37																38											
39																40											
41																42											
SUBTOTAL			372	386	372					307	256	258															
NOTES:			TOTAL PANEL LOAD: A@ 679A			B@ 642A			C@ 630A						NEUTRAL TERMINAL BAR ☒												
															GROUND TERMINAL BAR ☒												

