

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" ON A 20A CIRCUIT BREAKER.

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 ON THE ARCHITECTURAL PLANS PER U.L. ASSEMBLY. SEAL PENETRATIONS AS REQUIRED BY THE STATE BUILDING CODE.

5. PROVIDE BLANKET OR GYPSUM 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 RACEWAY. PVC SHALL NOT BE ALLOWED IN PATIENTS 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 A 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 VICINITY SHALL BE TESTED SO AS NOT TO EXCEED THE POTENTIAL DIFFERENCES AS STATED IN NEC 517.13.

B. REFER TO THE NEC HANDBOOK 517.13 FOR FURTHER DESCRIPTION OF TESTING.

C. TEST RESULTS SHALL BE AVAILABLE AT THE FINAL 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 HOSPITAL GRADE WIRING DEVICES AND REDUNDANT GROUNDING.

13. IN RATED WALLS USE UL APPROVED TECHNIQUE, & SHALL HAVE REDUNDANT DETAILING PER THE NEC SECTION 517 SHOWN IN DETAIL A/E1 OR PROVIDE 24" SPACINGS AS REQUIRED.

14. MINIMUM CONDUIT SIZE 1/2".

15. ALL 120 & 208V POWER SHALL BE RUN IN CONDUIT. CABLE WILL BE ALLOWED IF THERE IS VIBRATION ON THE CONNECTED EQUIPMENT.

16. PROVIDE THE HOME RUN CIRCUIT ID ON EACH RECEPT, SWITCH & DISCONNECT. PROVIDE ENGRAVED COVER PLATES.

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-110.5.6.6.2013 LATEST EDITION, NFPA-70:215.3.2017, NFPA-70:408.4 & 408.30 2014 LATEST EDITION.

18. ALL 120V CIRCUITS SHALL HAVE A DEDICATED NEUTRAL.

19. FOR I.T. ROOM 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 GUIDELINES FOR ANSI/IES RP-28-07 FOR NON GLARE & INDIRECT LIGHTING WILL BE FOLLOWED. TO REDUCE GLARE THE FOLLOWING WILL BE DONE AS A MINIMUM:

A. THE 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. STANDARD VINYL TILE.

D. LED CANS VS. FLUORESCENT CANS WILL BE USED. THE LED FIXTURES HAVE A SECOND LENSE.

E. FOLLOW ANSI/IES-RP-28 07 RECOMMENDATIONS FOR FOOT CANDLES.

22. PROVIDE REMOTE GENERATOR ANNUNCIATOR PANEL AT A 24HR STAFFED LOCATION AS REQUIRED BY NFPA 110 RULE 5.6.6.

23. LABEL ALL JUNCTION BOXES. JUNCTION BOXES THAT CONTAIN AN EMERGENCY POWER CIRCUITS SHALL BE COLOR CODED AS FOLLOWS:

LIFE SAFETY - RED

CRITICAL - ORANGE

EQUIPMENT - 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 ID HOME RUNS.

25. HOSPITAL GRADE ARMOR CLAD CABLE WILL BE ALLOWED IN CONCEALED AREAS.

26. PROVIDE BONDING OF ALL NORMAL & EMERGENCY POWER PANELS THAT SERVE THE PATIENT ROOMS WITH #6 INSULATED COPPER WIRE MIN.

27. CONTRACTOR SHALL PROVIDE REDUNDANT GROUNDING WHEREVER A PATIENT MAY GO.

28. HOSPITAL GRADE METAL CABLE WILL BE ACCEPTABLE FOR REDUNDANT GROUNDING IN CONCEALED AND NON FINISHED AREAS

LIGHTING FIXTURE SCHEDULE										
SYMBOL	DESCRIPTION	LAMP					MFG.	MODEL	MOUNTING	REMARKS
		NO	WATT	TYPE	COLOR TEMP	LUMENS				
A	2x4 SURFACE MOUNT	-	72	LED	4000K	6669	120	LITHONIA	2RTLX4 72L E21 LP840	CEILING SURFACE
A1	2x4 SURFACE MOUNT	-	55	LED	4000K	5187	120	LITHONIA	2RTLX4 60L E21 LP840	-
A2	2x4 SURFACE MOUNT	-	39	LED	4000K	3925	120	LITHONIA	2RTLX4 40L E21 LP840	-
B	4' WRAP	-	62	LED	4000K	7336	120	LITHONIA	LBL4 7200LM 80CRI 40K MINI ZT MVOLT	-
B1	4' WRAP	-	32	LED	4000K	4253	120	LITHONIA	LBL4 4000LM 80CRI 40K MINI ZT MVOLT	-
C	6" RECESSED DOWNLIGHT	-	44	LED	4000K	3978	120	LITHONIA	LDN6 40/40 L06AR LSS MVOLT E210	-
C2	4" RECESSED DOWNLIGHT	-	20	LED	4000K	1444	120	LITHONIA	LDN4 40/15 L04AR LSS MVOLT E210	UL DAMP LOCATION
E	COVE LIGHT	-	4/FT	LED	4000K	350/FT	120	JESCO	DL-FLEX2	COVE PROVIDE CHANNEL W/ LENS & ALL REQ'D ACCESSORIES & TRANSFORMERS.
F	3' UNDER CABINET	-	21	LED	3000K	1527	120	PROGRESS LIGHTING	P700004-028-30	-
F1	2' UNDER CABINET	-	15	LED	3000K	1054	120	PROGRESS LIGHTING	P700003-028-30	-
G	HAZARDOUS LOCATION	-	100	LED	4000K	10000	120	LUMEFFICIENT	LZL0200-A0-4-70-90-V1-0-S	EXPLOSION PROOF DD1 NOT USED
NL	NIGHT LIGHT	-	2	LED	AMBER	-	120	HEALTHCARE LIGHTING	HNL610 MVOLT LEDAMB FW	-
H	6" RECESSED DOWNLIGHT	-	35	LED	4000K	3034	120	LITHONIA	LDN6 40/30 L06AR LSS MVOLT E210	U.L. DAMP LOCATION
I	SHOWER LIGHT	-	14	LED	4000K	1000	120	LIGHTOLIER	57R 8010	U.L. WET LOCATION
K	CAN WASH	1	13	PL	4000K	-	120	LITHONIA	VR1B 130TT 120 LPI	U.L. DAMP LOCATION
L	4' BED LIGHT	-	100	LED	3000K	9491	120	KENALL	MPWUD-48-WM-FA-1/1-4SL30K-DCC-120-PCR	WALL OVER BED (5.5')
M	COMMON AREA VANITY LIGHT	2	5	G9 LED	3000K	-	120	HINKLEY	MILEY 5052BN-LED	OVER MIRROR
M1	PATIENT ROOM VANITY LIGHT	2	5	G9 LED	3000K	-	120	HINKLEY	MILEY 5052BN-LED	OVER MIRROR
N	BATHROOM OVERHEAD	-	22	LED	3000K	1027	120	PROGRESS LIGHTING	P7249 0930K9	-
P	BEDROOM	-	39	LED	3000K	2649	120	PROGRESS LIGHTING	P7251-0930K	-
Q	EXTERIOR WALL MOUNT LIGHT	-	23	LED	4000K	1400	120	BROWNLEE	7704-4-BL-C24-40K	WALL SEE SHEET E2 FOR MOUNTING HEIGHTS UL WET LOCATIO DFF NOT USED
R	ATTIC LIGHT	1	15	A19 LED	4000K	-	120	LEVITON	49875	RAFTER PROVIDE METAL WIRE GUARD.
S	WALL MOUNT AREA LIGHT	-	44	LED	4000K	4500	120	US ARCH. LIGHTING	RZR-WM1/PLED-111/20PLED-700MA-NW/120/RAL9005-T	WALL @ +8'-6" AFF
T	4" VAPOR TIGHT	-	35	LED	3500	3700	120	PHILLIPS	V3W516840UNVM	CEILING SURFACE UL WET LOCATION
U	GENERATOR LIGHT POLE	1	70	LED	4000K	-	120	PHILLIPS GARDCO	H14L-1-3-70LA NW-120-BRP	14' POLE
⊗ ^B	EXIT	-	-	LED	-	-	120	LITHONIA	EXR LED M6	WALL OR CEILING
⊗	EXIT	-	-	LED	-	-	120	LITHONIA	EXR LED EL M6	WALL OR CEILING PROVIDE BATTERY BACKUP.
⚡	EMERGENCY	2	3	LED	-	640	120	LITHONIA	ELM4L	WALL @ 7'-6" AFF PROVIDE BATTERY BACKUP. SEE NOTE 3.
⚡ ^W	EMERGENCY WET LOCATION	2	3	LED	-	640	120	LITHONIA	ELM4L WPVS LRG W	WALL @ 7'-6" AFF PROVIDE BATTERY BACKUP. SEE NOTE 3.
SL	FLAG POLE MOUNT LIGHT	1	5.5	MR-16 LED	4000K	500	120	VISTAPRO	GR-50006-0-5.5-W-60	GROUND HOOD SHIELD REQUIRED
SB	8" SITE BOLLARD WITH CAST LOUVERS	1	42	LED	4000	1400	120	SUN VALLEY LIGHTING	BRAB-LED/CL/36LEDNW/RAL9005-1	BASE SEE C/EL PROVIDE CONCRETE BASE SEE B/2

LIGHTING FIXTURE NOTES:

1. CONTRACTOR SHALL PROVIDE ALL LAMPS.

2. ALL BALLAST FOR FLUORESCENT FIXTURES SHALL BE ELECTRONIC UNLESS NOTED OTHERWISE.

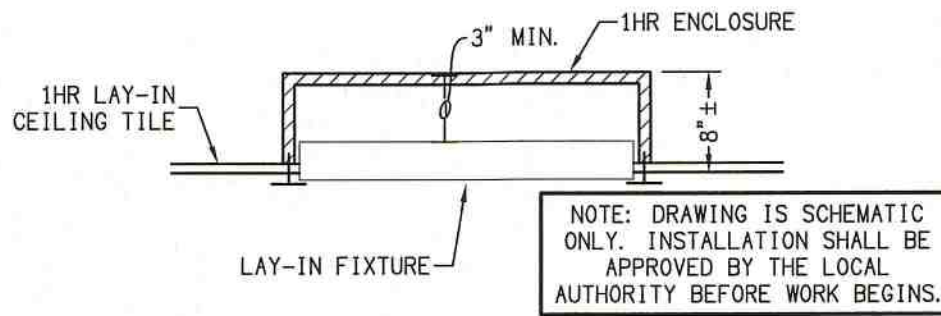
3. SPACING FOR EMERGENCY FIXTURE AS SHOWN ON PLAN IS BASED OFF MANUFACTURER RECOMMENDED MAXIMUM SPACING. ANY SUBSTITUTIONS SHALL MEET OR EXCEED SPECIFIED FIXTURE SPACING GUIDELINES TO ACHIEVE REQUIRED EMERGENCY EGRESS LIGHTING LEVELS PER NFPA 101, OR ADDITIONAL FIXTURES WILL BE REQUIRED TO COMPENSATE.

DECORATIVE LIGHT FIXTURE SCHEDULE										
SYMBOL	DESCRIPTION	LAMP				MANUF.	MODEL	MOUNTING	COLOR	REMARKS
		NO.	WATT	TYPE	VOLT					
✓ DA	CHANDELIER	9	9	GU24 LED	120	ULTRALIGHTS	15348-SP-0A-08	SUSPEND FROM CEILING	4000K	FINISH: SATIN PEWTER BOWL: OPAL ACRYLIC GREEN CREATIVE LAMPS
✓ DA1	CHANDELIER	6	9	GU24 LED	120	ULTRALIGHTS	15347-SP-0A-08	SUSPEND FROM CEILING	4000K	FINISH: SATIN PEWTER BOWL: OPAL ACRYLIC GREEN CREATIVE LAMPS
✓ DA2	CHANDELIER	1	84	LED	120	WESPORT	ABBEY-1A-GROB-FBLW-DM001	SUSPEND FROM CEILING	4000K	SILVER SHADE: LAURA WHITE FABRIC W/WHITE ACRYLIC BOTTOM DIFFUSER
✓ DB	CHANDELIER	1	30	LED	120	ULTRALIGHTS	12006-24-SP-0A-04	SUSPEND FROM CEILING	4000K	SATIN PEWTER BOWL: OPAL ACRYLIC
DC	CHANDELIER	1	30	LED	120	ULTRALIGHTS	16357-24-SP-0A-04	SUSPEND FROM CEILING	4000K	SATIN PEWTER BOWL: OPAL ACRYLIC
✓ DC2	CHANDELIER	1	12	LED	120	ULTRALIGHTS	16357-24-SP-0A-04	SUSPEND FROM CEILING	4000K	SATIN PEWTER BOWL: OPAL ACRYLIC
✓ DC3	CHANDELIER	1	49	LED	120	BROWNLEE	2808-24-NI-C49LED-ROW-C03-40K-D1M	SUSPEND FROM CEILING	4000K	NICKEL TONE SHADE: WHITE LINEN W/WHITE ACRYLIC
✓ DC4	CHANDELIER	1	30	LED	120	ULTRALIGHTS	0480-39-SP-0A-04	SUSPEND FROM CEILING	4000K	SATIN PEWTER BOWL: OPAL ACRYLIC
✓ DC5	CHANDELIER	1	49	LED	120	BROWNLEE	2604-30-NI-C49LED-ROW-C03-40K-D1M	SUSPEND FROM CEILING	4000K	NICKEL TONE SHADE: ROLLING WAVES LINEN W/WHITE ACRYLIC
✓ DC6	CHANDELIER	1	190	LED	120	BETA-CALCO	68 7210-40-3N-0P-0X	SUSPEND FROM CEILING	4000K	FINISH: SATIN NICKEL BOWL: OPAL
✓ DD	CAN	1	12	LED	120	LIGHTOLIER	57R 80L0	CEILING SURFACE	4000K	7" DIA. WHITE TRIM RING. DIMMABLE
✓ DB1	WALL WASHER	1	15	LED	120	PRESCOLITE	LBP6 6LBP 15L40KWH WW	RECESSED	4000K	6" DIA. WHITE TRIM RING
DE	FLUSH MOUNT	1	24	LED	120	ULTRALIGHTS	0480-18-SP-0A-04	FLUSH MOUNT	4000K	SATIN PEWTER BOWL: OPAL ACRYLIC
DF	PENDANT	1	8	LED	120/12V	TECH LIGHTING	700MO-ECPCS-LEDS930	SUSPEND FROM CEILING	3000K	SATIN NICKEL/SATIN NICKEL SHADE: WHITE
DF1	PENDANT	1	8	LED	120/12V	TECH LIGHTING	700MO-LSTWS-LEDS930	SUSPEND FROM CEILING	3000K	SATIN NICKEL SHADE: LASER-CUT SATIN NICKEL
DF2	PENDANT	1	8	LED	120/12V	TECH LIGHTING	700MO-BONKS-LEDS930	SUSPEND FROM CEILING	3000K	SATIN NICKEL SHADE: STERLING SILVER/DUOMO
DG	PENDANT ON SUSPENDED RAIL	5	8	LED	120	TECH LIGHTING	700MO-RVLSS-LEDS930	SUSPEND FROM CEILING	3000K	SATIN NICKEL SHADE: SURF WHITE NOTE 2
DAA	LED BACKLIT MIRROR	1	10	LED	120	SEURA	VEDA 30W X 42H	-	3000K	1/4" SILVER MIRROR GLASS, HARD-WIRED
✓ DBB	SCONCE	1	24	LED	120	BROWNLEE	1450-NI-C24LED-40K-D1M	WALL	4000K	NICKEL TONE SHADE: WHITE ACRYLIC
✓ DCC	SCONCE	1	16	LED	120	BETA CALCO	32 6100-40-TQ-SN-VB	WALL	4000K	SATIN NICKEL BOWL: OPAL
DDD	SCONCE	1	12	LED	120	BROWNLEE	1325-NI-B12-40K	WALL	4000K	SHADE: NICKEL TONE WHITE ACRYLIC
DEE	SCONCE	1	9	LED RETROFIT BULB BY GC	TECH LIGHTING	700WS-VYRLNS	WALL	4000K	SATIN NICKEL SHADE: LINEN	
✓ DFF	SCONCE	1	9	GU24 LED	120	HUDSON VALLEY	6211-1N	WALL	4000K	HISTORIC NICKEL SHADE: WHITE BACK GREEN CREATIVE LAMP
DH	EXTERIOR PENDANT	1	14	LED RETROFIT BULB BY GC	SEAGULL LIGHTING	6290901-71	SUSPEND FROM CEILING	2700K	OIL RUBBED BRONZE OPAL ETCHED	
DH1	EXTERIOR PENDANT	1	28	LED RETROFIT BULB BY GC	SEAGULL LIGHTING	7890902-71	FLUSH MOUNT	2700K	OIL RUBBED BRONZE OPAL ETCHED	

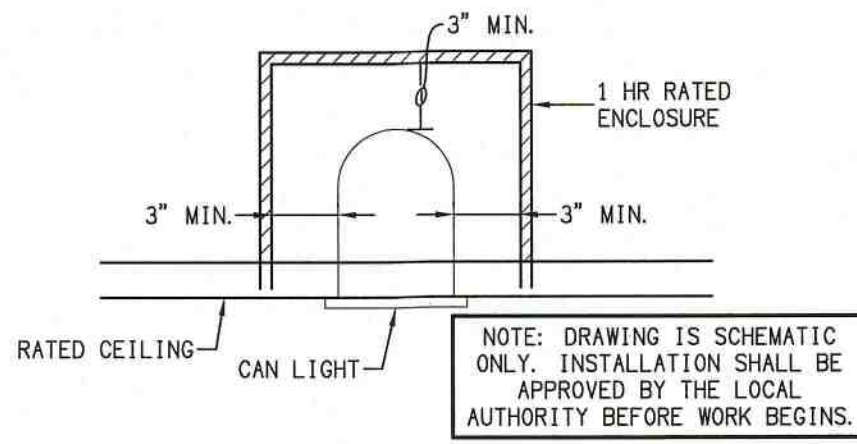
LIGHTING FIXTURE NOTES:

1. CONTRACTOR SHALL PROVIDE ALL LAMPS.

2. FIXTURE DG: CIRCULAR MONORAIL LAYOUT WITH FIVE (5) LED PENDANT FIXTURES ARRAYED IN STAGGERED CABLE LENGTHS - 24", 30", 36", 42" AND 48". PENDANT WITH SHORTEST CABLE TO BE CENTERED ON ENTRY DOOR ON LOBBY SIDE OF ROTUNDA WITH PROGRESSIVELY LONGER PENDANTS ARRAYED IN COUNTER-CLOCKWISE LAYOUT.



B E1 LAY-IN FIXTURE IN RATED CEILING
SCALE: NTS



C E1 CAN LIGHT IN RATED CEILING
SCALE: NTS

RATE COVER NOTES:

1. ENCLOSURES SHALL BE UL APPROVED AND ACCEPTED BY THE LOCAL AUTHORITY.

2. SUGGESTED MANUFACTURER'S: TENMAT

A. E. Z. BARRIER

PROVIDE A UL APPROVED LIGHTNING PROTECTION SYSTEM FOR THE BUILDING.

RATED WALL LEGEND	
=====	NOT-RATED SMOKE PARTION
-----	1 HOUR RATED SMOKE BARRIER
-----	1 HOUR RATED FIRE BARRIER
=====	2 HOUR RATED FIRE WALL

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

ELECTRICAL ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
GF1	GROUND FAULT INTERRUPTING
GF1A	GROUND FAULT INTERRUPTING WITH ALARM
3R	WEATHERPROOF ENCLOSURE
UNO	UNLESS NOTED OTHERWISE
RGS	RIGID GALVANIZED STEEL
WP	WEATHERPROOF
AHU	AIR HANDLING UNIT
HP	HEAT PUMP
BOB	BOTTOM OF BOX
UC OR U	UNDERCOUNTER
CLG	CEILING MOUNTED
WAP	WIRELESS ACCESS POINT

NOTES:

1. FOR 20A - 10 - 120 VOLT SERVICE WIRE SIZE SHALL BE AS FOLLOWS:

DIST TO 1st CONNECTION	WIRE SIZE
60' TO LESS	#12
60' TO 100'	#10
OVER 100'	#8

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
⚡	CEILING OUTLET WITH FLUORESCENT OR LED FIXTURE ON EMERGENCY POWER
⚡	WALL OUTLET WITH FLUORESCENT OR LED FIXTURE ON EMERGENCY POWER
⚡	CEILING OUTLET WITH FLUORESCENT OR LED FIXTURE ON EMERGENCY POWER
⚡	CEILING OUTLET WITH FLUORESCENT OR LED FIXTURE
⚡	WALL OUTLET WITH FLUORESCENT OR LED FIXTURE
⚡	CEILING OUTLET WITH FLUORESCENT OR LED FIXTURE
S	SWITCH, SINGLE POLE, 120/277VAC, MOUNTED AT 48" AFF TO TOP OF OUTLET BOX
D	DIMMER, SINGLE POLE, 120/277VAC, MOUNTED AT 48" AFF TO TOP OF OUTLET BOX
St	TIMER SWITCH, SINGLE POLE, 120 VAC(30 MIN), MOUNTED AT 48" AFF TO TOP OF OUTLET BOX
Ss	SWITCH, THREE WAY, 120/277VAC, MOUNTED AT 48" AFF TO TOP OF OUTLET BOX
Dos	OCCUPANCY SENSOR, 20V MOUNT AT 48" AFF TO TOP OF OUTLET BOX
Sos	OCCUPANCY SENSOR, WALL MOUNT WITH ON/OFF SWITCH, 120VAC, MOUNTED AT 48" AFF TO TOP OF OUTLET BOX
Ⓢ	OCCUPANCY SENSOR, CEILING MOUNT, 120VAC (OPTION - 24V SWITCH PACK)
Ⓢ	MANUAL MOTOR STARTER
Ⓢ	CONVENIENCE RECEPTACLE, 120V, FLUSH MOUNTED IN FLOOR WITH BRUSHED STAINLESS STEEL COVERPLATE UNO
Ⓢ	DUPLEX CONVENIENCE RECEPTACLE, 120VAC, MOUNTED AT 18" AFF TO CENTER OF OUTLET BOX UNO
Ⓢ	SINGLE CONVENIENCE RECEPTACLE, 120VAC, MOUNTED AT 18" AFF TO CENTER OF OUTLET BOX UNO
Ⓢ	TAMPER PROOF DUPLEX CONVENIENCE RECEPTACLE, 120VAC, MOUNTED AT 18" AFF TO CENTER OF OUTLET BOX UNO
Ⓢ	QUAD CONVENIENCE RECEPTACLE, 120VAC, MOUNTED AT 18" AFF TO CENTER OF OUTLET BOX UNO
Ⓢ	DUPLEX CONVENIENCE RECEPTACLE, 120VAC, MOUNTED AT 18" AFF TO CENTER OF OUTLET BOX UNO ON EMERGENCY POWER UNO
Ⓢ	30A-250V RECEPT ON EMERGENCY POWER
Ⓢ	30A-250V RECEPT ON NORMAL POWER
Ⓢ	DATA OUTLET, MOUNTED AT 18" AFF TO CENTER OF OUTLET BOX UNO
Ⓢ	PHONE/DATA OUTLET, MOUNTED AT 18" AFF TO CENTER OF OUTLET BOX UNO
Ⓢ	DATA/ TV OUTLET, MOUNTED AT 18" AFF TO CENTER OF OUTLET BOX UNO
Ⓢ	FLOOR MOUNTED DATA BOX
Ⓢ	JUNCTION BOX
Ⓢ	WIRELESS ACCESS POINT
Ⓢ	TV BOX MOUNTED AT +18" AFF UNO
Ⓢ	NURSE CALL STATION - SINGLE, MOUNT AT +42" AFF UNO
Ⓢ	NURSE CALL STATION - DUAL, MOUNT AT +42" AFF UNO
Ⓢ	EMERGENCY PULL STATION, MOUNT AT +42" AFF UNO
Ⓢ	ELECTRICAL PANEL, SURFACE
Ⓢ	ELECTRICAL PANEL, FLUSH
Ⓢ	DISCONNECT SWITCH, FUSIBLE
Ⓢ	DISCONNECT SWITCH, NON-FUSIBLE
Ⓢ	FAN BY MECHANICAL CONTRACTOR
Ⓢ	TELEPHONE PANEL, 4x8x3/4 PLYWOOD WITH #4 BARE COPPER GROUND IN 1" CONDUIT TO ELEC. SYSTEM GROUND
Ⓢ	DOOR BELL BUTTON
Ⓢ	DOOR CHIME
Ⓢ	NURSE CALL DOME LIGHT
Ⓢ	GENERATOR KILL SWITCH

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.

ID MARK-UP
12/22/21

symbol	date	description	by
REVISIONS			

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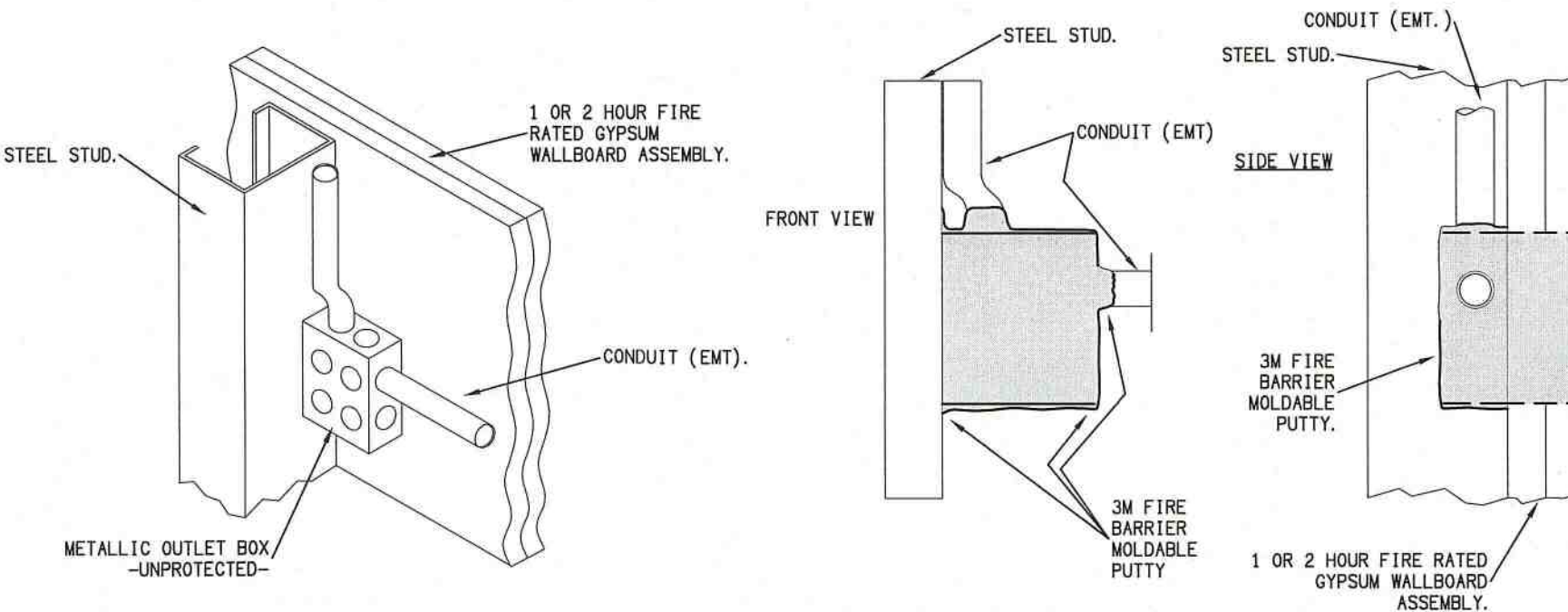
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104 BED
NURSING FACILITY

1

A E1 PUTTY PACK DETAIL FOR 1 OR 2/HR FIRE WALL
NTS



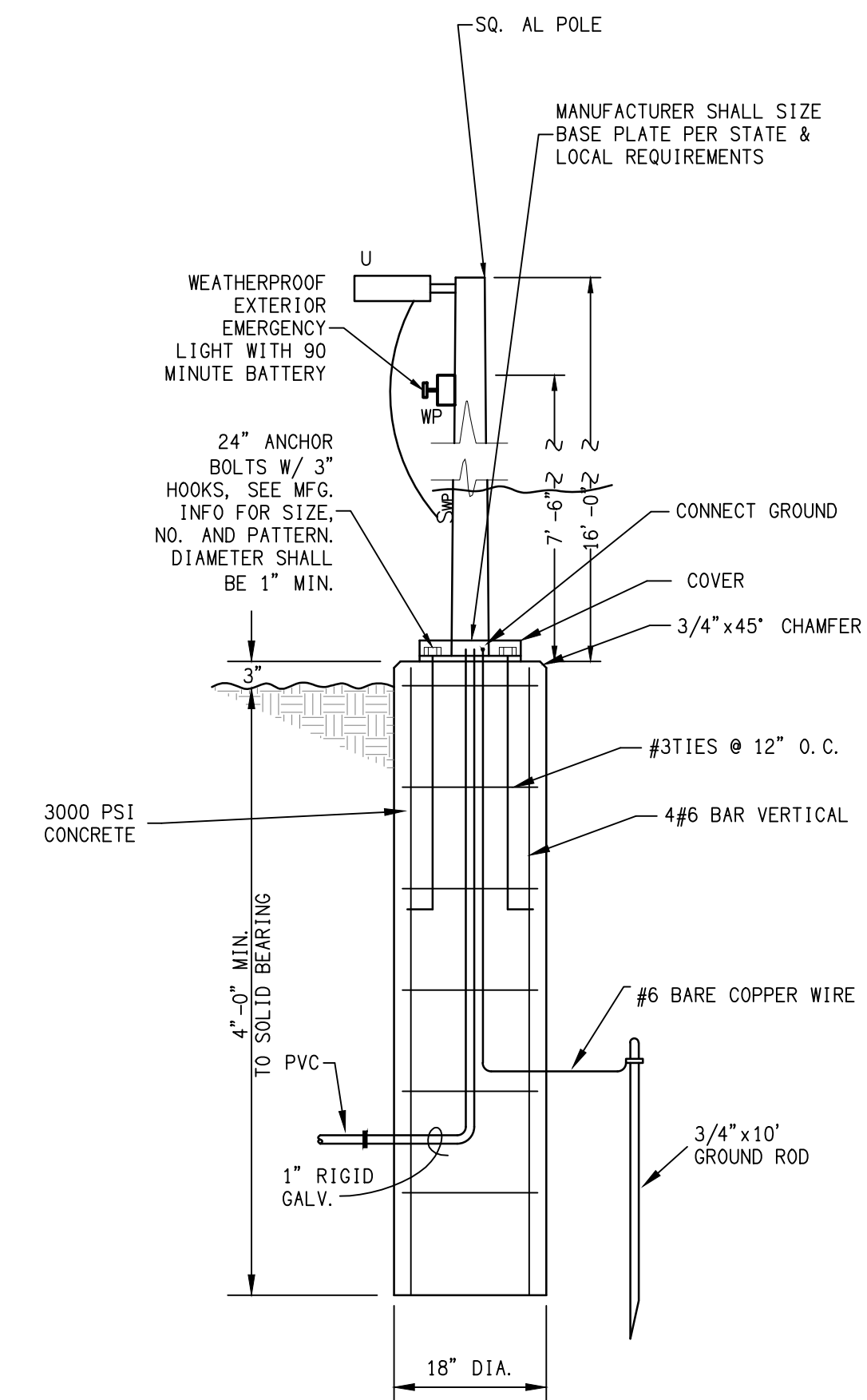
N/F ROBERT LEWIS
D.B. 1586 PG. 77
NCPIN 731703133577000
CARTERET COUNTY ZONING: R15M

N/F NEVA BRIDGES
D.B. 1542 PG. 298
NCPIN 731703136739000
CARTERET COUNTY ZONING: R15M



- KEY NOTES:**
1. PROVIDE A UNI-STRUT OR EQUAL RACK TO SUPPORT THE PANELS.
 2. PROVIDE SOLID STATE REDUCED VOLTAGE STATION FOR THE LIFT STATION PUMPS
 3. PHOTOCELL CONTROL.
 4. LOCATE AT ACCESS TO GENERATOR.
 5. PUMP AND RECP FOR WATER FIXTURE. VERIFY LOCATION.

- GENERAL NOTES:**
1. LIGHTS WITHOUT CIRCUITS ARE FOR REFERENCE ONLY. REFER TO 1/8" PLANS.
 2. PARKING LOT LIGHTS SHALL BE POWER CO.



B E2 FOUNDATION FOR GEN. POLE LIGHT - U
SCALE: N. T. S.

A E2 ELECTRICAL SITE PLAN
SCALE: 1" = 30'

Δ	4-13-22	REMOVED MAINTENANCE	DBS
symbol	date	description	by
REVISIONS			

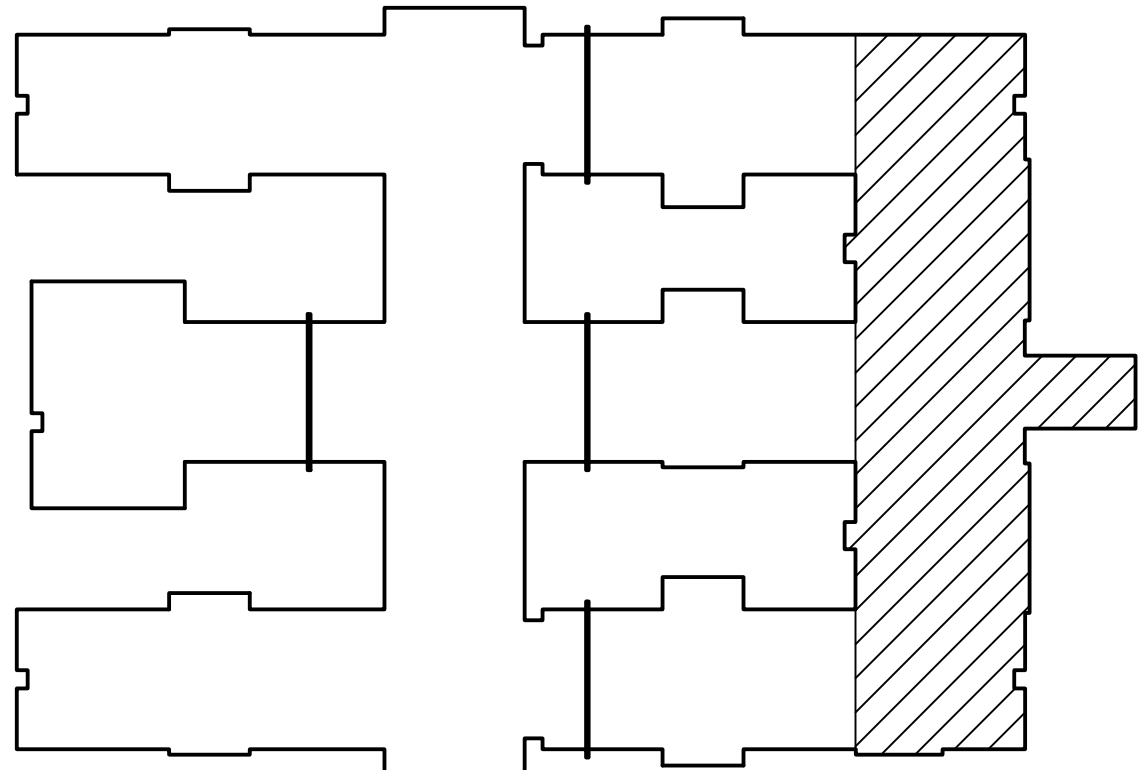
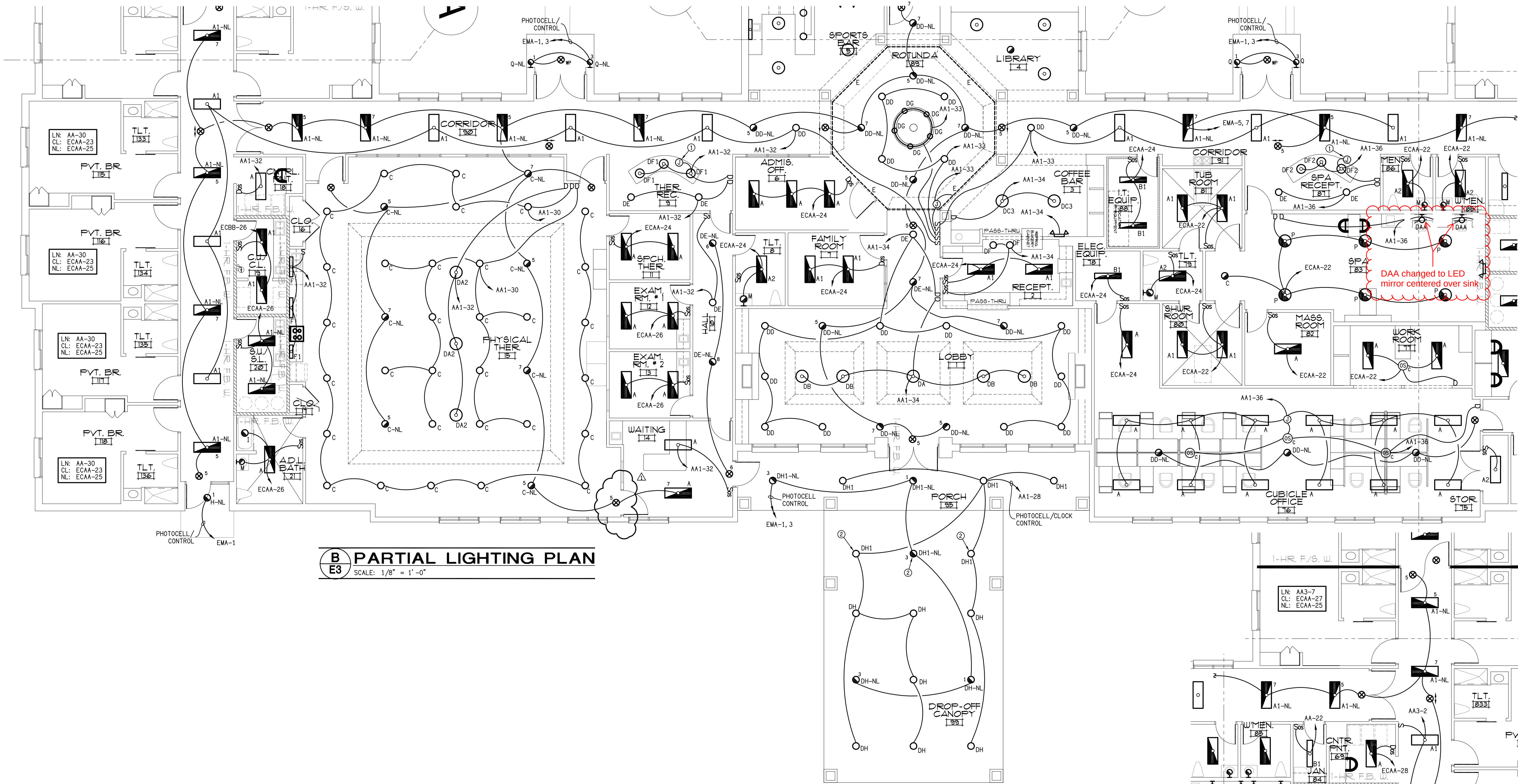
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3806 Park Ave. Suite 2-L, Wilmington, NC 28403
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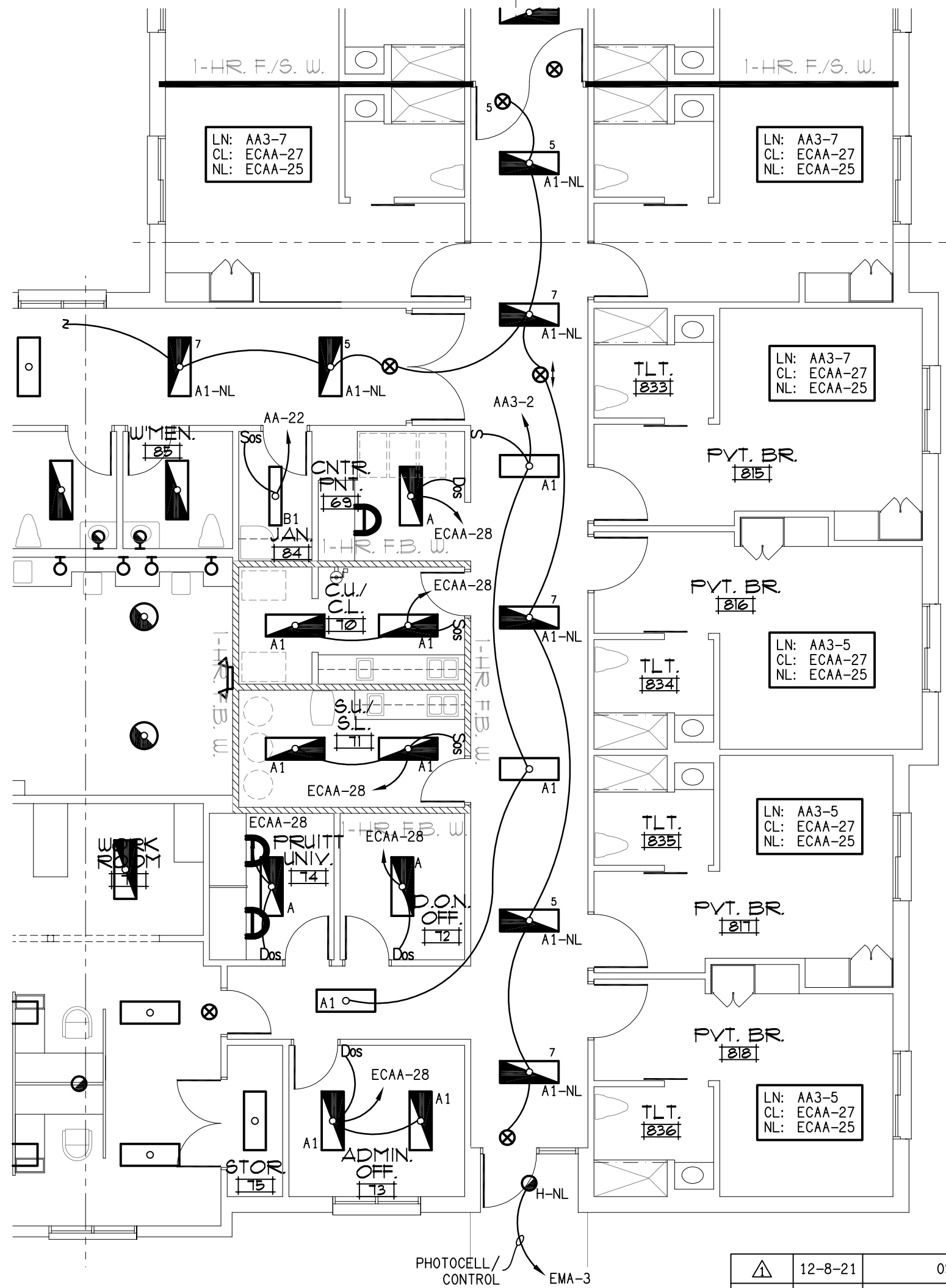
104 BED
NURSING FACILITY

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PLAN KEY

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12/22/21

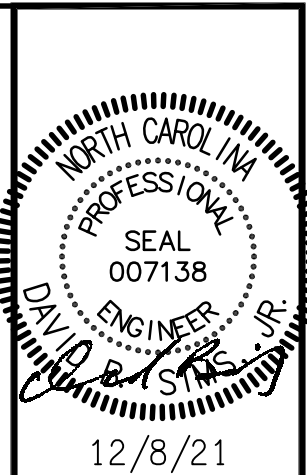


A PARTIAL LIGHTING PLAN
E3 SCALE: 1/8" = 1'-0"

symbol	date	description	by
REVISIONS			
12-8-21	OSFM REVISIONS	DBS	

- KEY NOTES:
- CONNECT TO UNDER COUNTER LIGHTING.
 - VERIFY FIXTURE EH OR EH1.

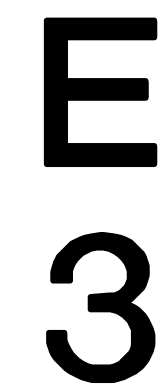
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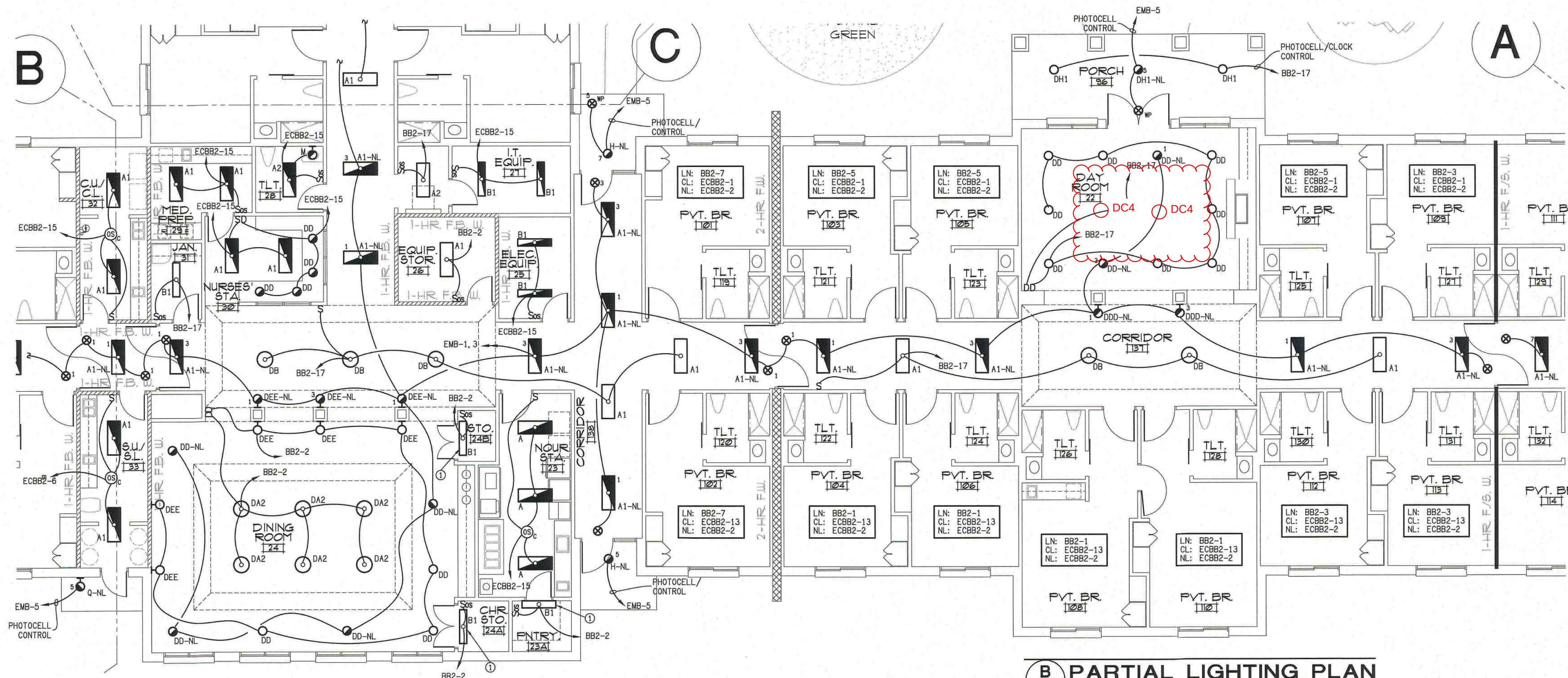


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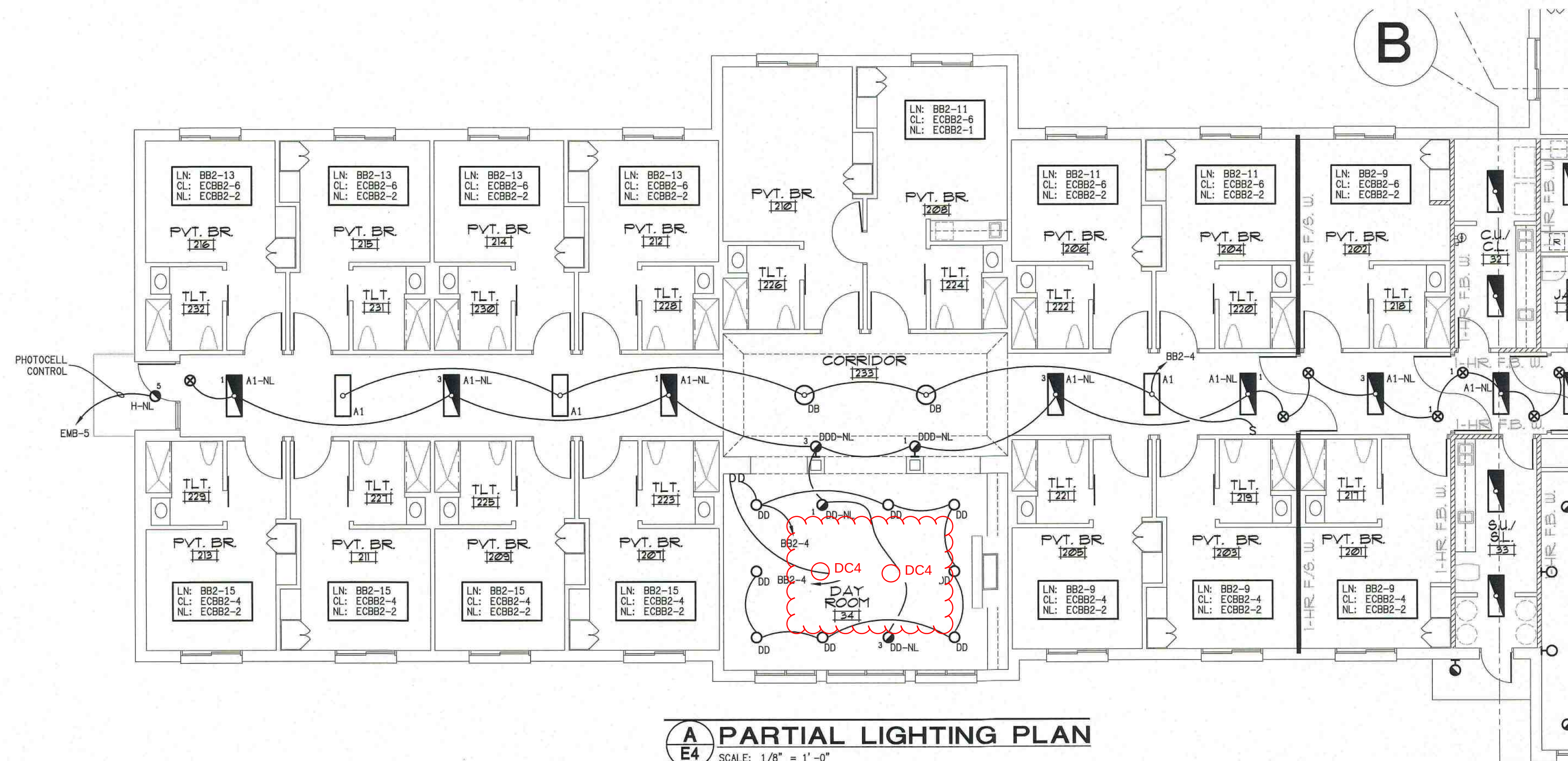
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B PARTIAL LIGHTING PLAN
E4 SCALE: 1/8" = 1'-0"

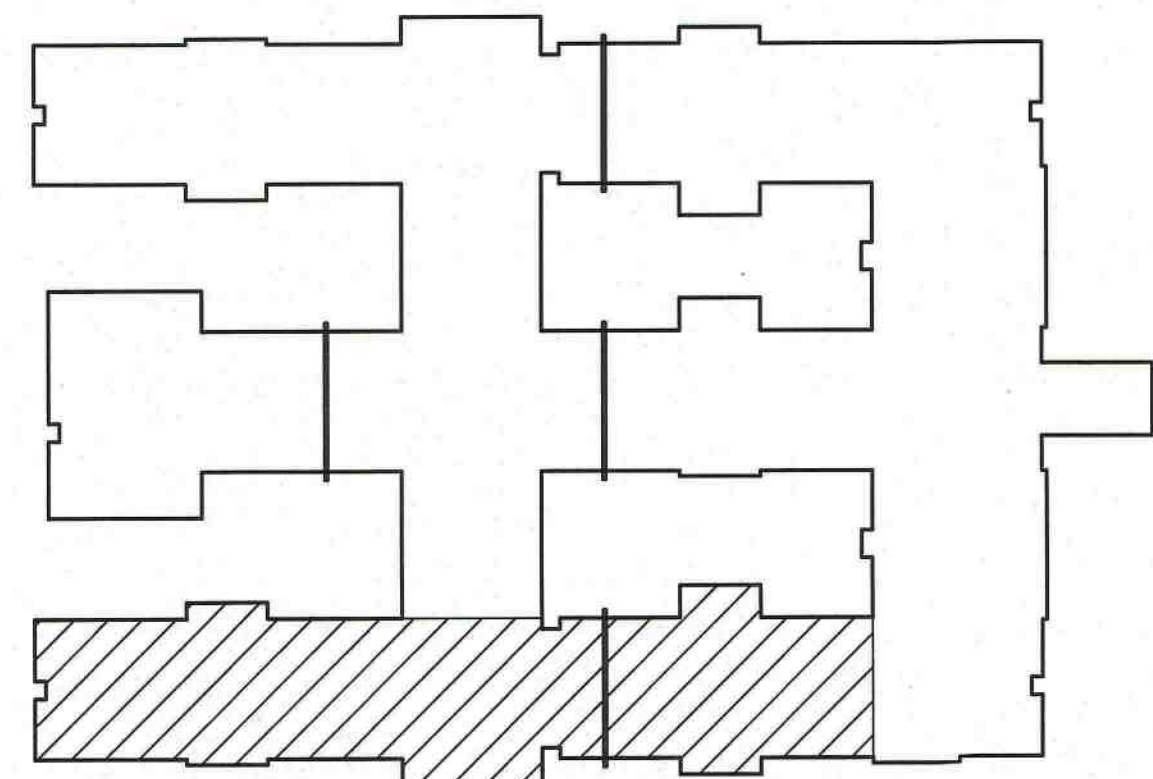


A PARTIAL LIGHTING PLAN
E4 SCALE: 1/8" = 1'-0"

ID MARK-UP
12/22/21

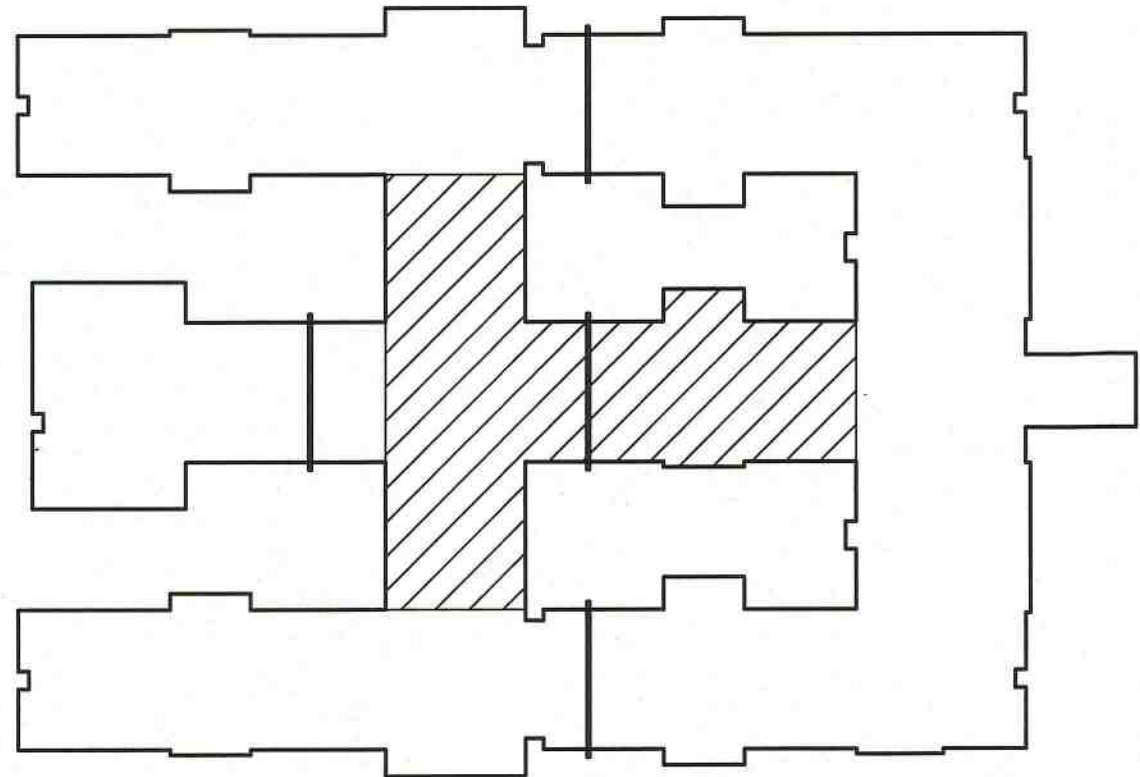
symbol	date	description	by
REVISIONS			

KEY NOTES:
① MOUNT FIXTURE OVER DOOR.

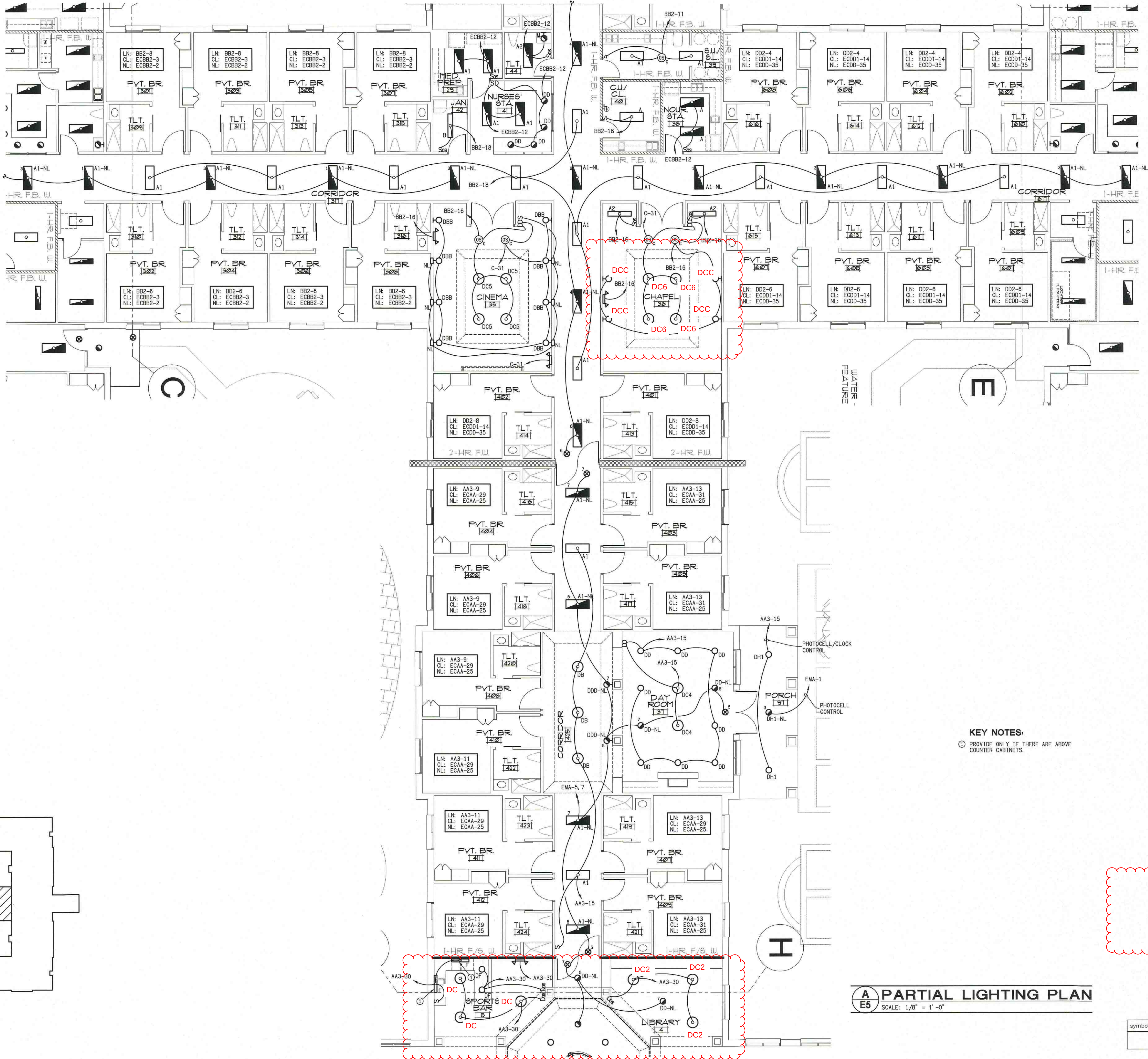


PLAN KEY

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PLAN KEY



KEY NOTES:
① PROVIDE ONLY IF THERE ARE ABOVE COUNTER CABINETS.

A PARTIAL LIGHTING PLAN
E5 SCALE: 1/8" = 1' - 0"

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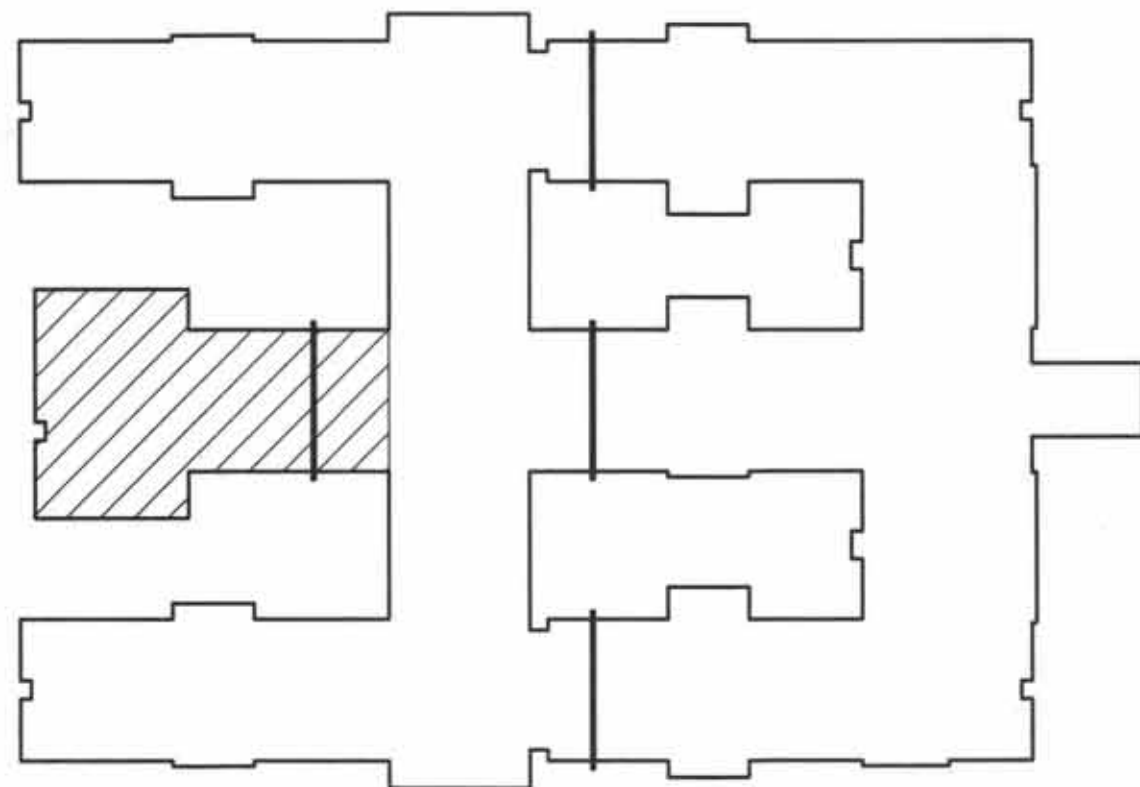
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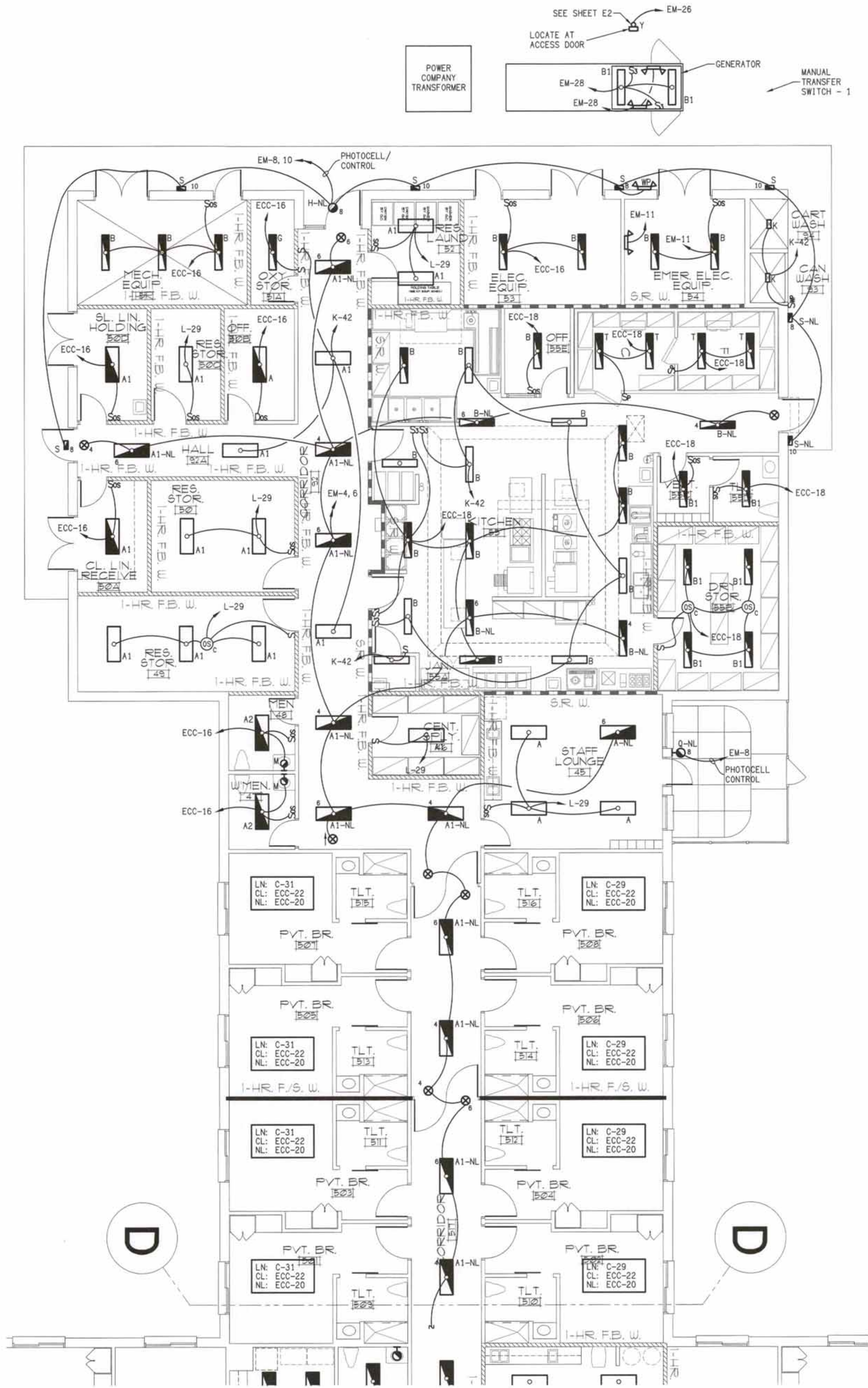
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PLAN KEY



A PARTIAL LIGHTING PLAN
E6 SCALE: 1/8" = 1'-0"

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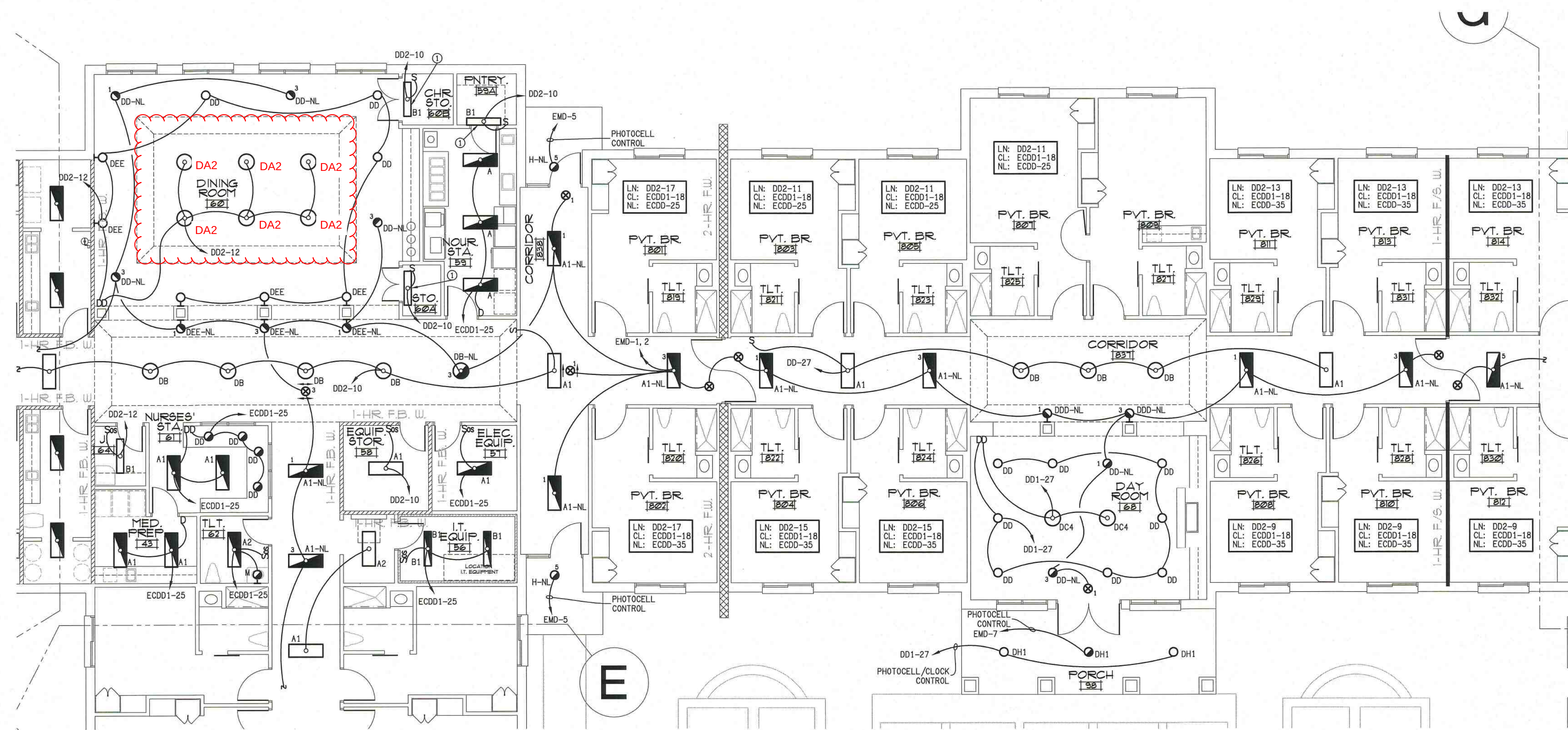
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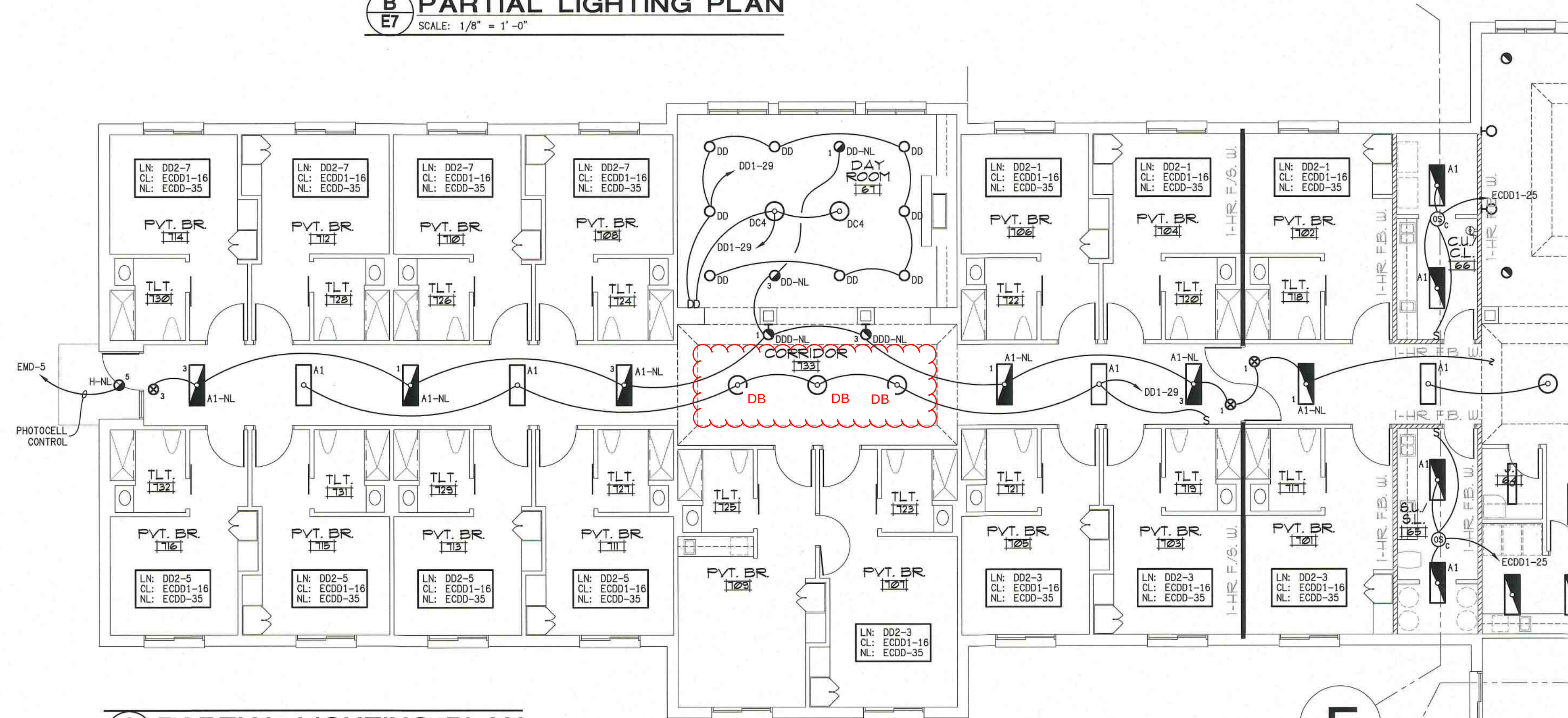
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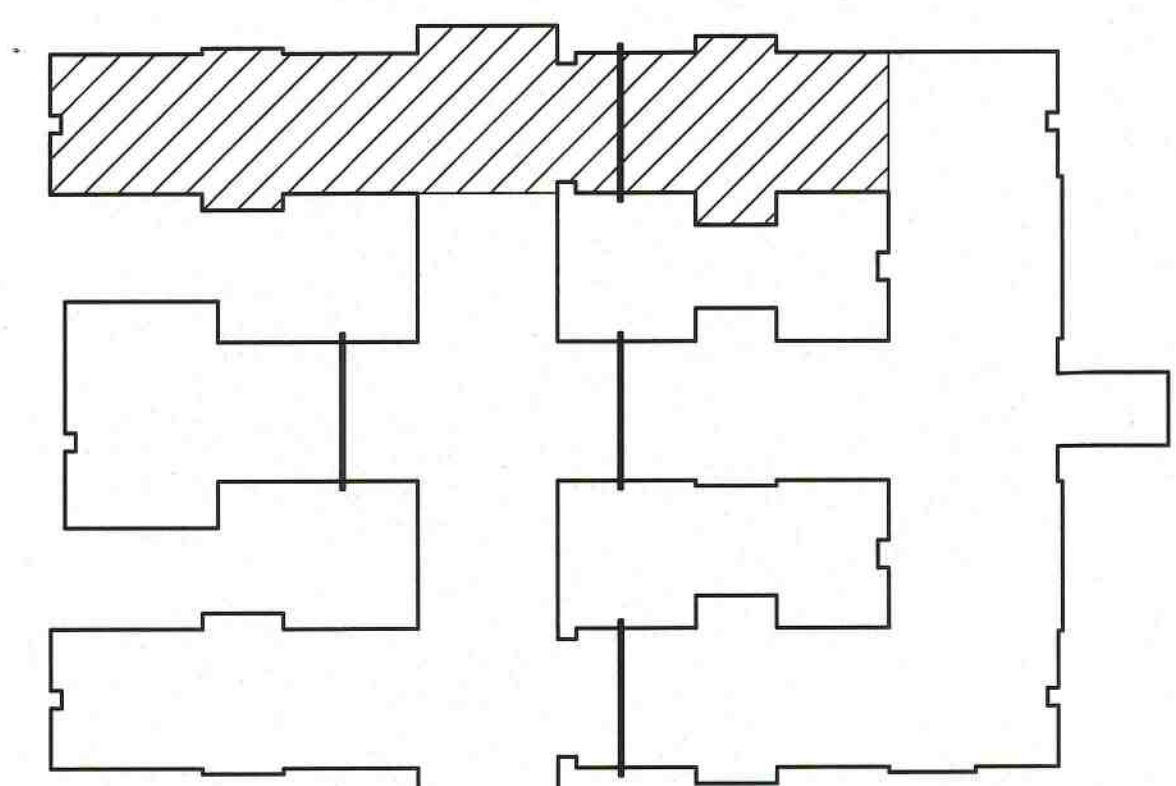


B PARTIAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

KEY NOTES:
1 MOUNT FIXTURE OVER DOOR.



A PARTIAL LIGHTING PLAN
SCALE: 1/8" = 1'-0"

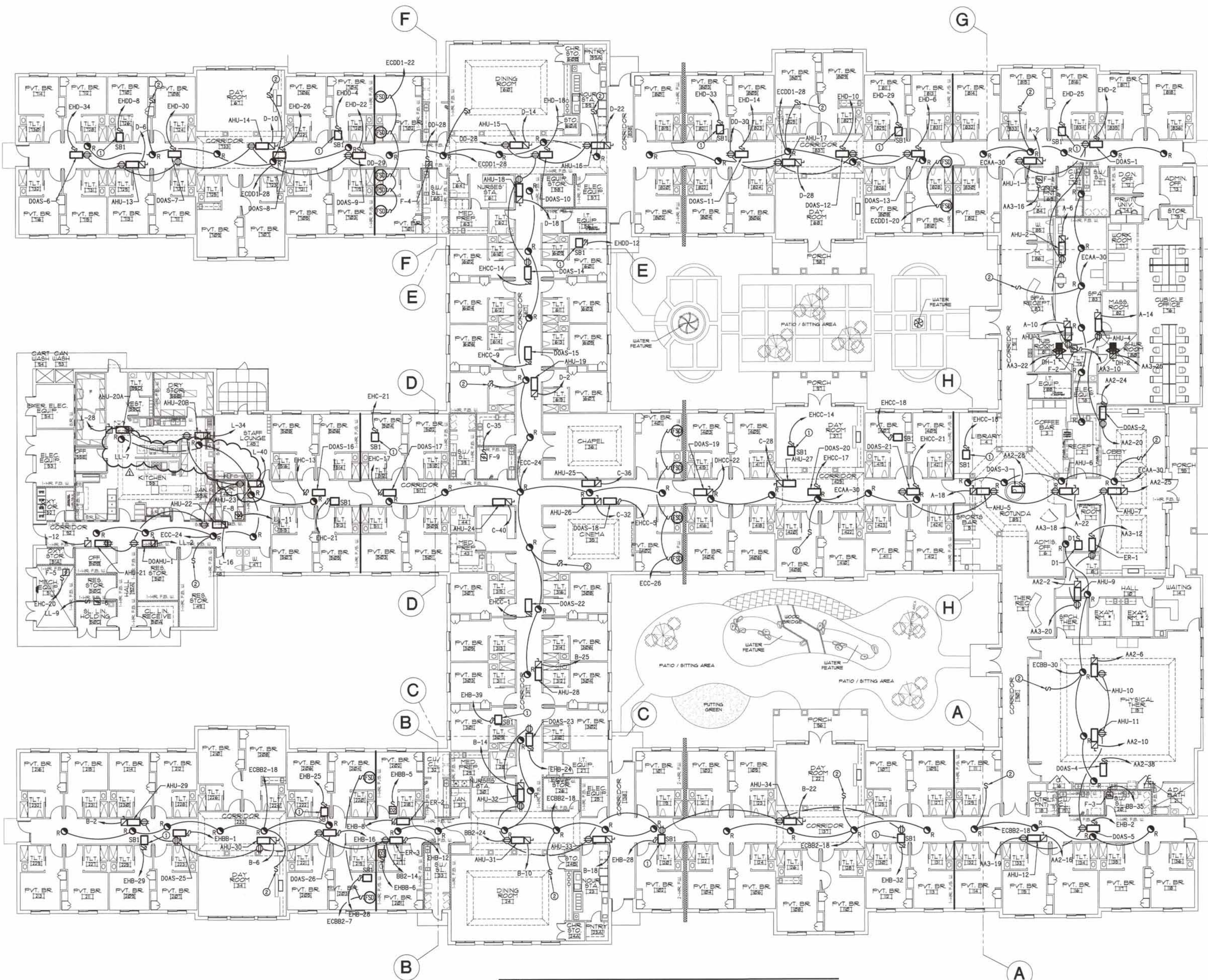


PLAN KEY

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12/22/21

symbol	date	description	by
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DATE - 10/19/2021



A ATTIC LIGHTING & POWER PLAN
E8 SCALE: 1/16" = 1'-0"

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10/20/21

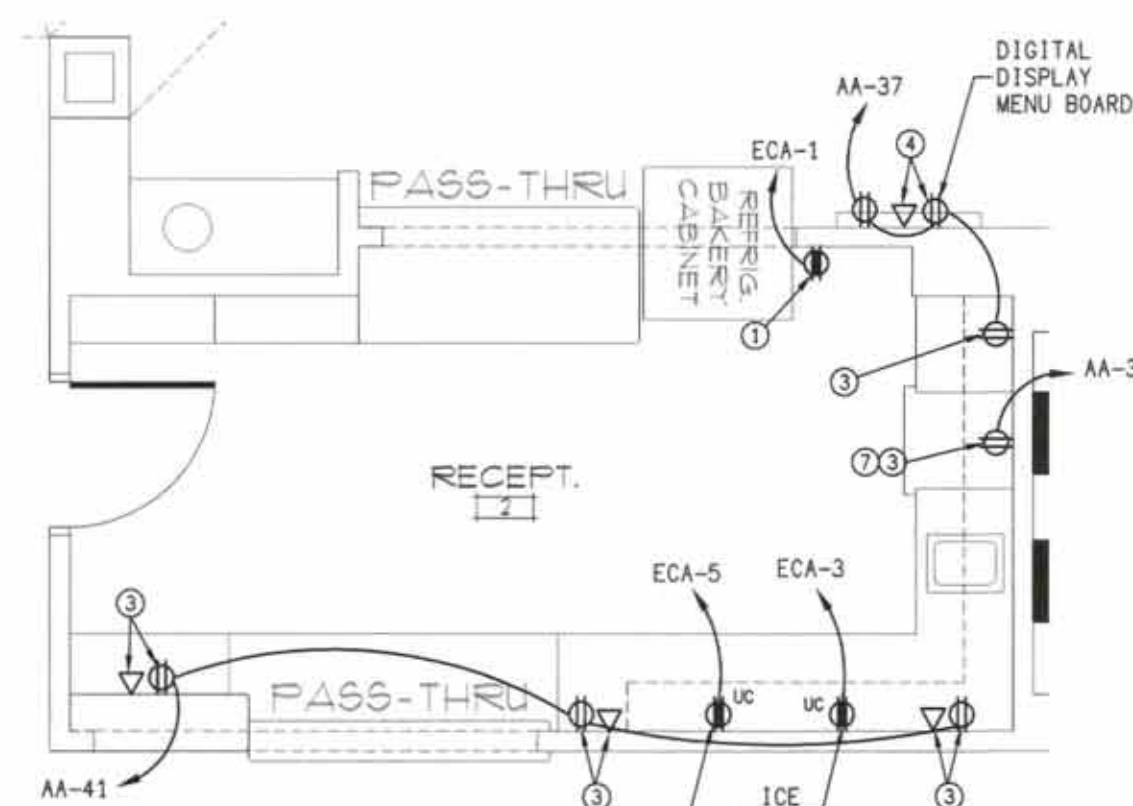
- KEY NOTES:**
- ① VERIFY LOCATION OF THE BS1 MIXING BOXES.
 - ② PROVIDE A SWITCH AT EACH ACCESS HATCH WHETHER SHOWN OR NOT AT NO ADDITIONAL COST TO THE OWNER.
- NOTE:
1. PROVIDE A LIGHT AT EACH AHU WHETHER SHOWN OR NOT.

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8

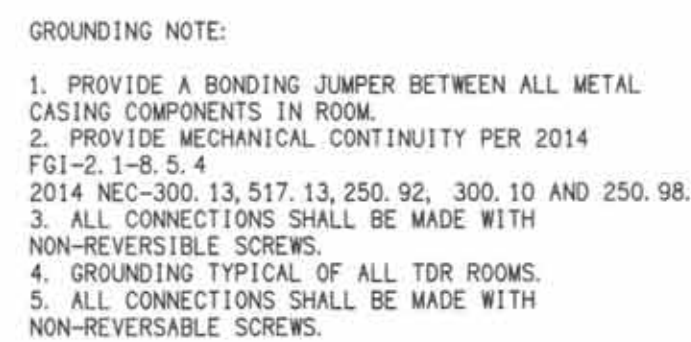


KEY NOTES:

-

	12-8-21	OSFM REVISIONS	DBS
symbol	date	description	by
REVISIONS			

PLAN KEY



KEY NOTES:

1. VERIFY LOCATION.
2. RECEPTACLE FOR CASE LIGHT. VERIFY LOCATION.
3. SEE DETAIL 
4. MEDICAL VENDING. VERIFY LOCATION.
5. CONNECT TO PUCK LIGHT.
6. 4" PVC CONDUIT WITH PULL STRING. SEE SHEET E2 FOR ROUTING.
7. SINGLE RECEPTACLE ON CRITICAL POWER FOR NURSE'S STATION.
8. PROVIDE & INSTALL 1#4 INSULATED COPPER WIRE IN 1" GROUND TO THE ELECTRICAL SYSTEM. PROVIDE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BONDING INCLUDING BUT NOT LIMITED TO GROUNDING ALL RACKS AND T.D.R. PANELS. PROVIDE AND INSTALL 3 GROUNDING BARS. ALSO PROVIDE 4" x 4" GROUNDING BOX. VERIFY ENTRY POINT OF GROUNDING CABLE. SEE GROUNDING DETAIL 
9. NORMAL POWER FOR TV SETS. VERIFY LOCATION.
10. GROMMET ACCESS. PLACE RECEPTACLE BOX UNDER COUNTER.
11. RECEPTACLE FOR IPAD CHARGER. PLACE IN CABINET. VERIFY LOCATION.
12. SEE DETAIL 
13. LOCATE AT REFRIGERATOR



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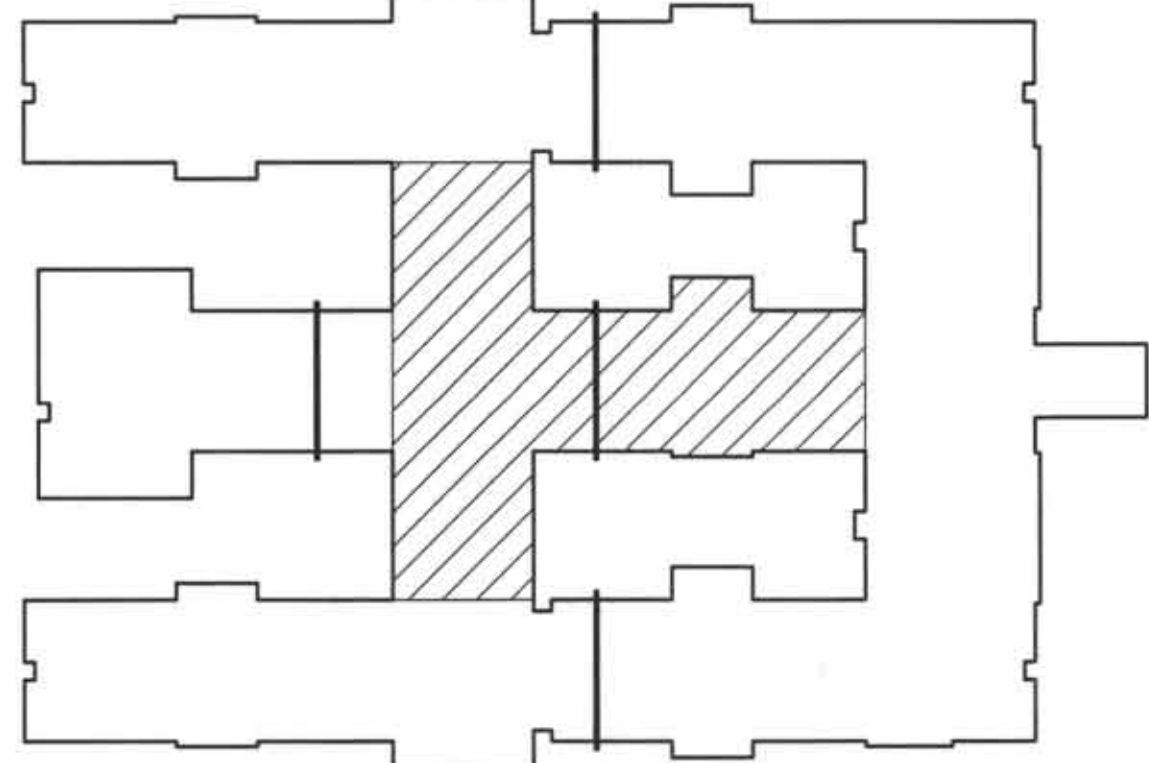
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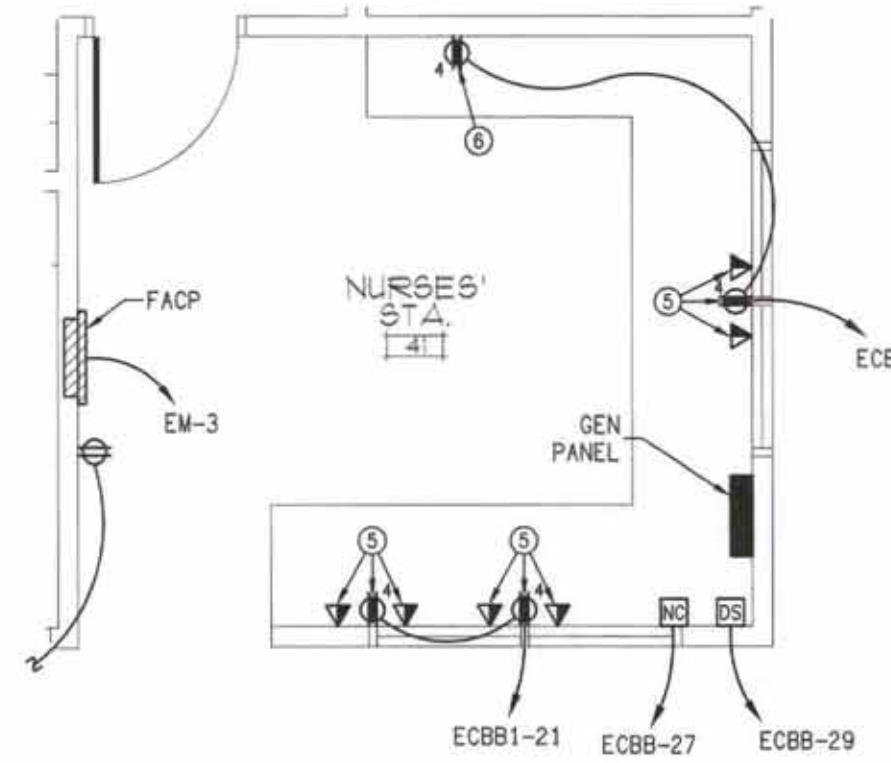
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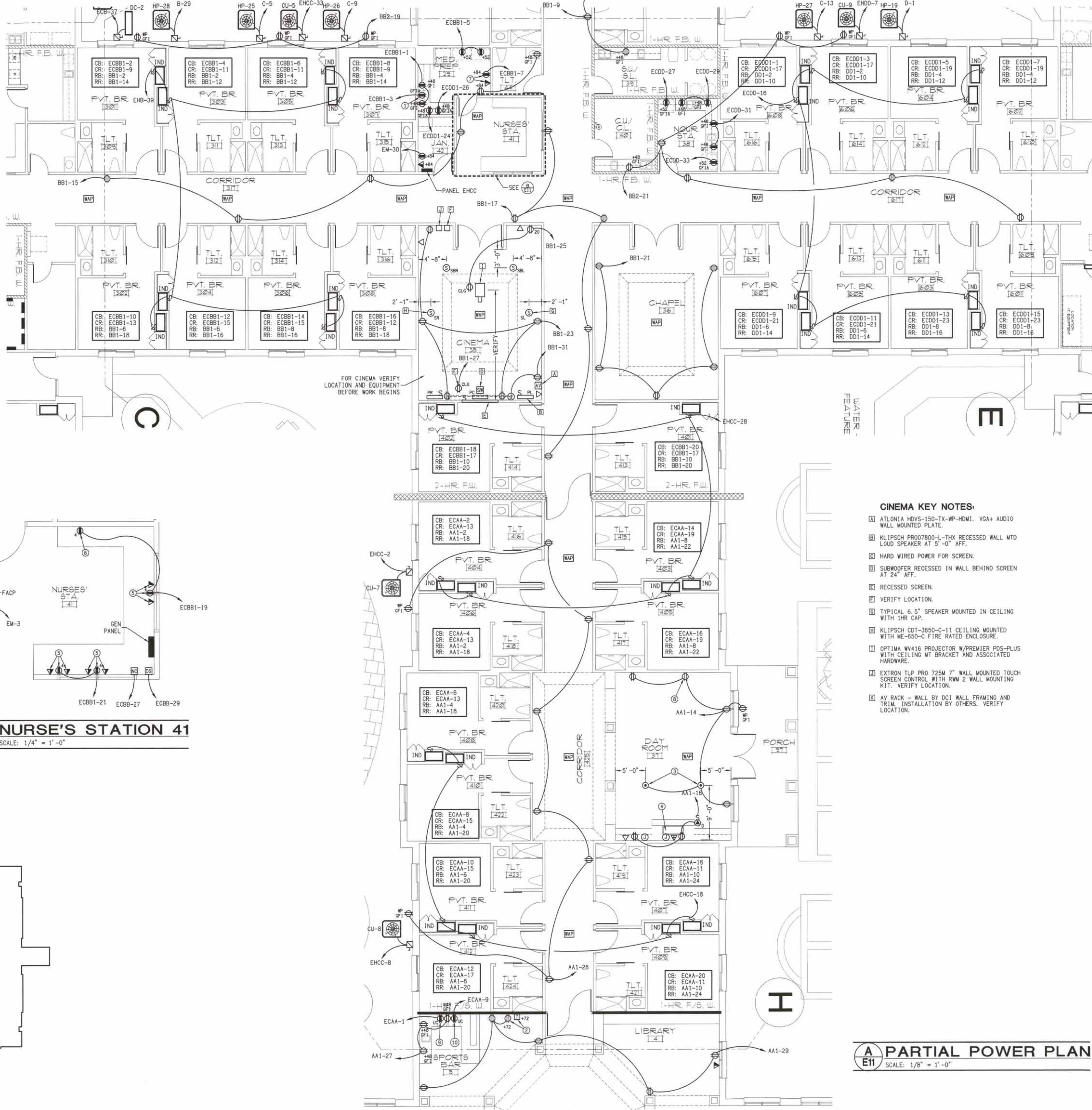
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PLAN KEY



B NURSE'S STATION 41
SCALE: 1/4" = 1'-0"



- CINEMA KEY NOTES:**
- 1. ATLONIA HDVS-150-TX-WP-HDMI. VGA+ AUDIO WALL MOUNTED PLATE.
 - 2. KLIPSCH PRO07800-L-THX RECESSED WALL MTD LOUD SPEAKER AT 5'-0" AFF.
 - 3. HARD WIRED POWER FOR SCREEN.
 - 4. SUBWOOFER RECESSED IN WALL BEHIND SCREEN AT 24" AFF.
 - 5. RECESSED SCREEN.
 - 6. VERIFY LOCATION.
 - 7. TYPICAL 6.5" SPEAKER MOUNTED IN CEILING WITH 1HR CAP.
 - 8. KLIPSCH CDT-3650-C-11 CEILING MOUNTED WITH ME-650-C FIRE RATED ENCLOSURE.
 - 9. OPTIMA WV416 PROJECTOR W/PREMIER PDS-PLUS WITH CEILING MT BRACKET AND ASSOCIATED HARDWARE.
 - 10. EXTRON TLP PRO 725W 7" WALL MOUNTED TOUCH SCREEN CONTROL WITH RWM 2 WALL MOUNTING KIT. VERIFY LOCATION.
 - 11. AV RACK - WALL BY DCI WALL FRAMING AND TRIM. INSTALLATION BY OTHERS. VERIFY LOCATION.

- KEY NOTES:**
- 1. PLACE RECEPTACLE AT REFRIGERATOR. PROVIDE GFIA RECEPTACLE IF LOCATED ON COUNTER.
 - 2. TV CONNECTION. VERIFY LOCATION AND MOUNTING HEIGHT WITH OWNER.
 - 3. VERIFY LOCATION.
 - 4. SEE DETAIL 111.
 - 5. GROMMET ACCESS. PLACE RECEPTACLE BOX UNDER COUNTER.
 - 6. RECEPTACLE FOR IPAD CHARGER. PLACE IN CABINET. VERIFY LOCATION.
 - 7. MEDICAL VENDING. VERIFY LOCATION.
 - 8. RECEPTACLE FOR SHELVING LIGHT.
 - 9. UNDER COUNTER ICE MACHINE.
 - 10. UNDER COUNTER REFRIGERATOR.

A PARTIAL POWER PLAN
SCALE: 1/8" = 1'-0"

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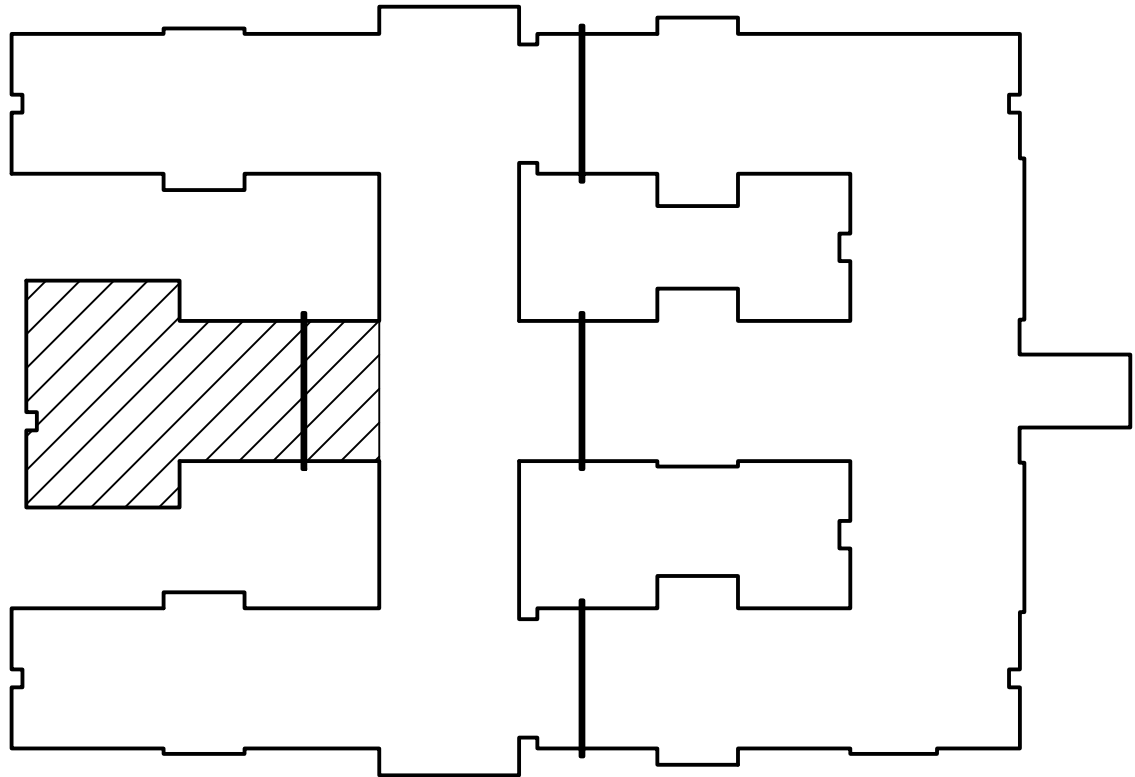
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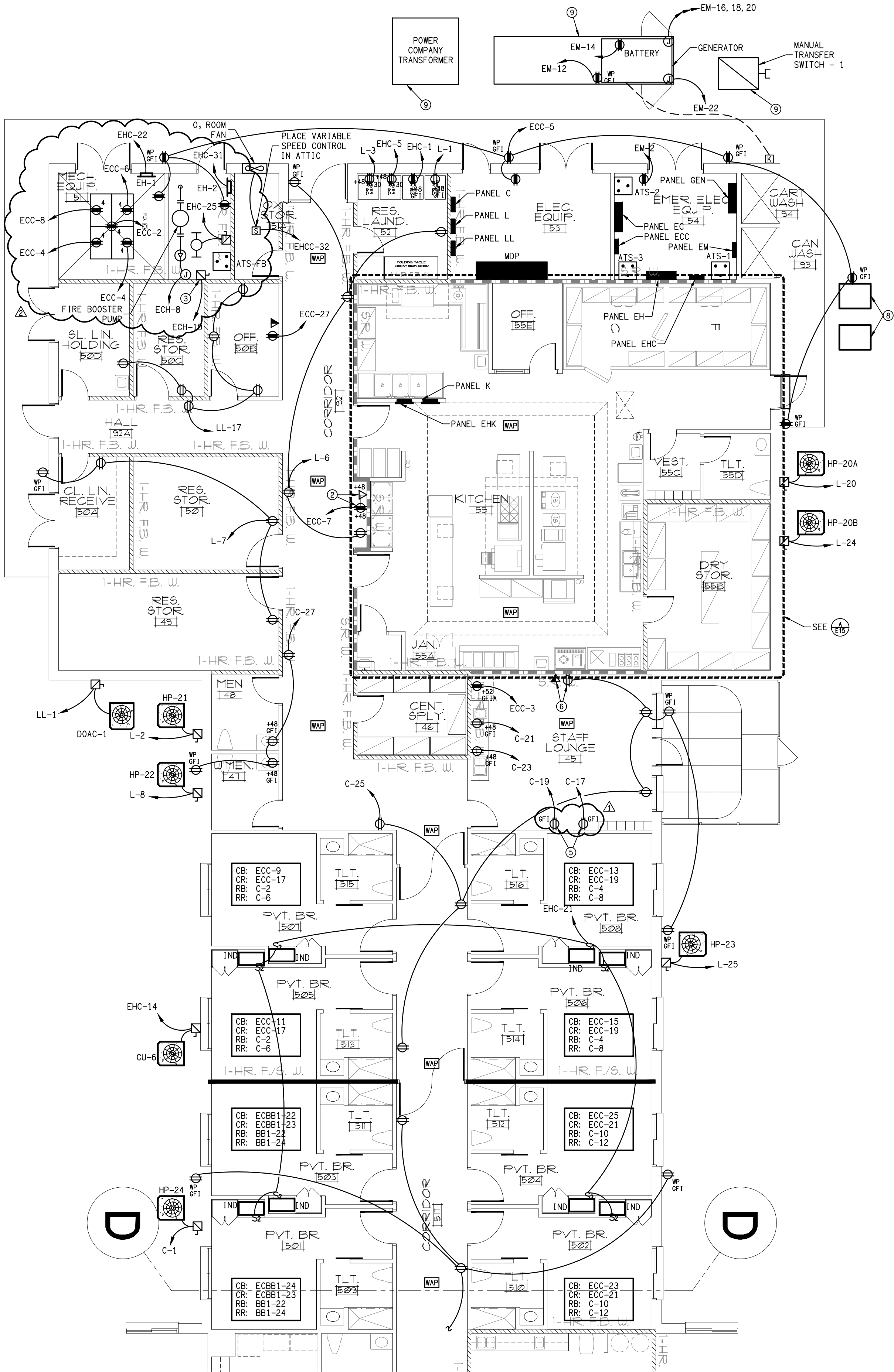
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E11

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PLAN KEY



A PARTIAL POWER PLAN
E12 SCALE: 1/8" = 1' - 0"

KEY NOTES:

- ① NOT USED.
- ② DATA BOX AND RECEPTACLE FOR TIME CLOCK.
- ③ DISCONNECT FOR SPRINKLER SYSTEM AIR COMPRESSOR.
- ④ 120V FOR SPRINKLER SYSTEM CONTROLS.
- ⑤ VENDING. VERIFY LOCATION.
- ⑥ MOUNT AT 64 1/2" TO BOTTOM. SEE DETAIL 114
- ⑦ VERIFY LOCATION OF GAS WATER HEATERS. PROVIDE QUAD RECEPTACLES. MAX HEATER CONNECTION IS 3 AMPS PER WATER HEATER.
- ⑧ KITCHEN REFRIGERATOR & FREEZER OUTDOOR UNITS. VERIFY LOCATION.
- ⑨ VERIFY LOCATION.

△	4/13/22	GENERAL REVISIONS	DBS
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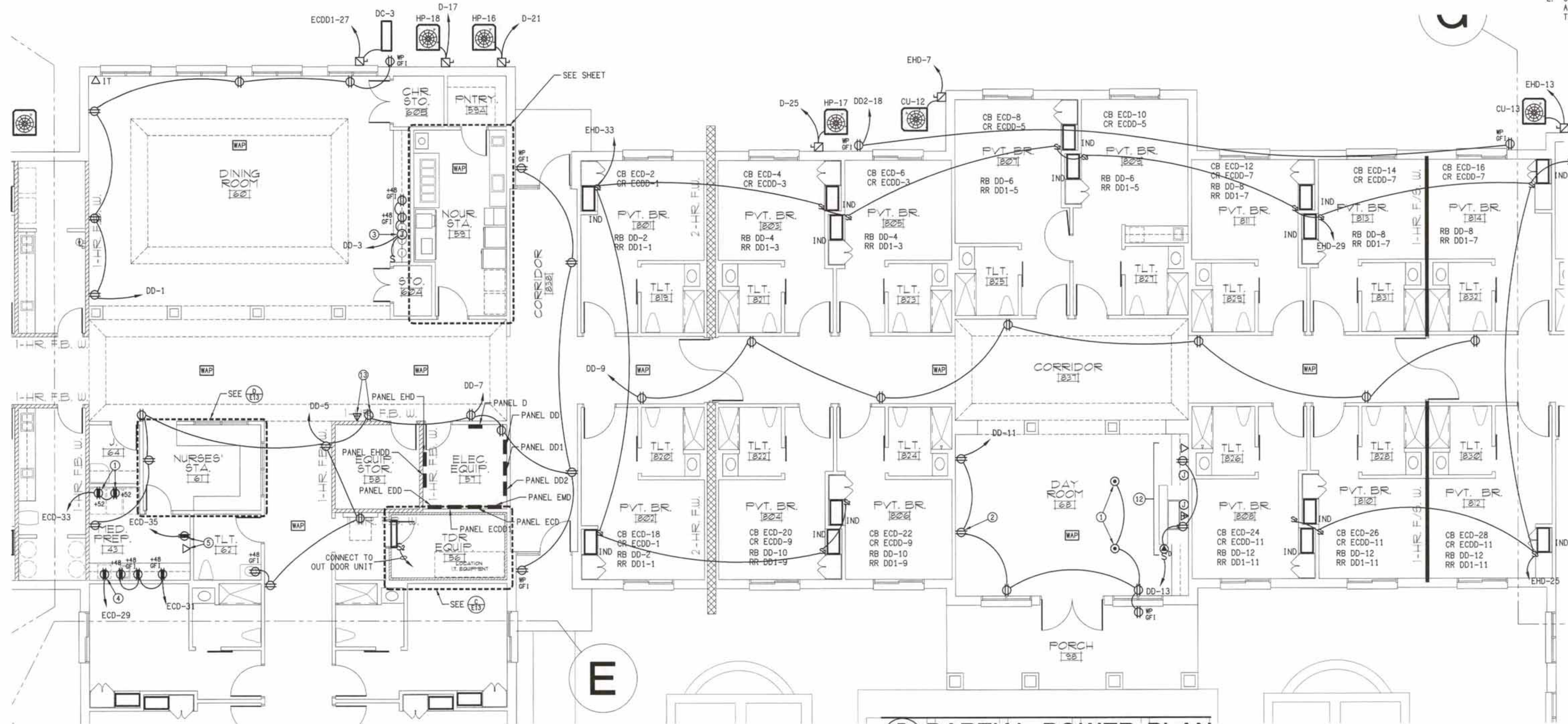
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12

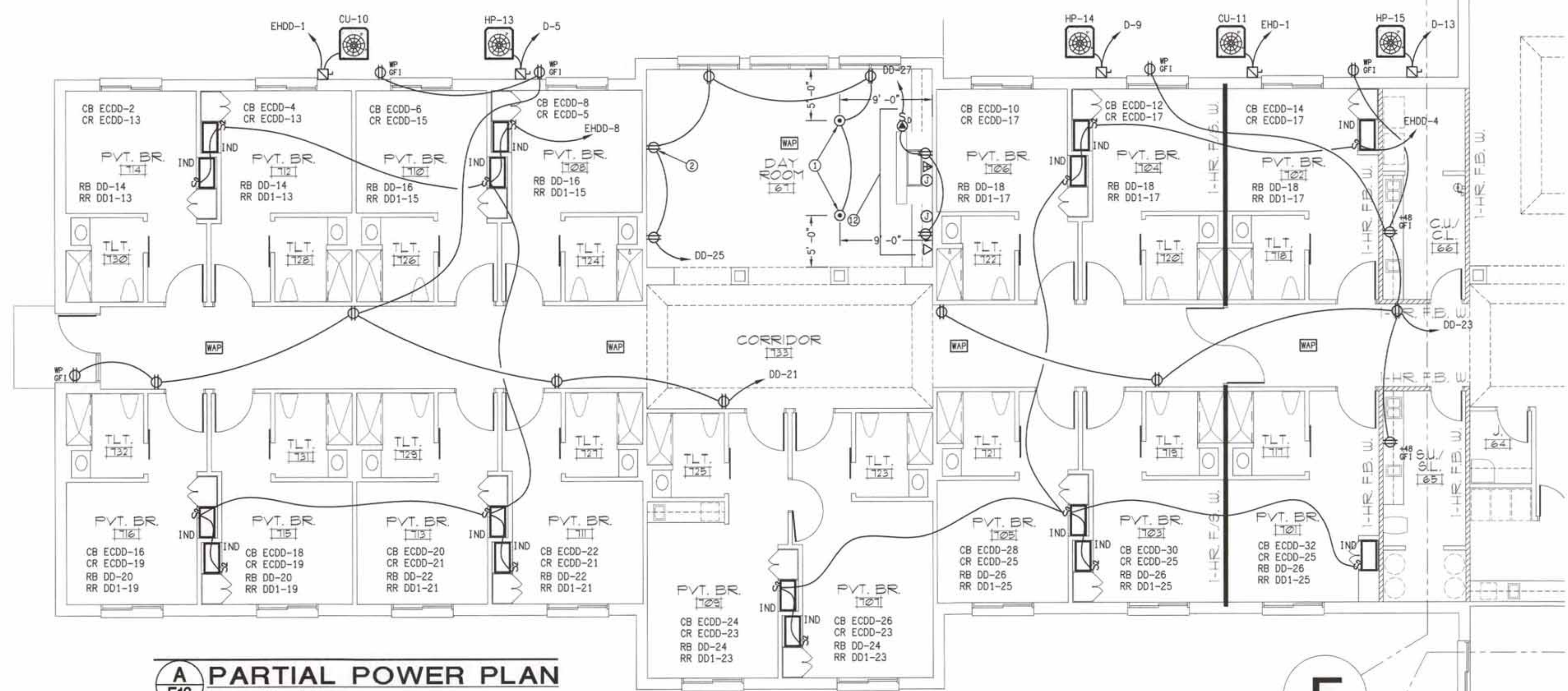
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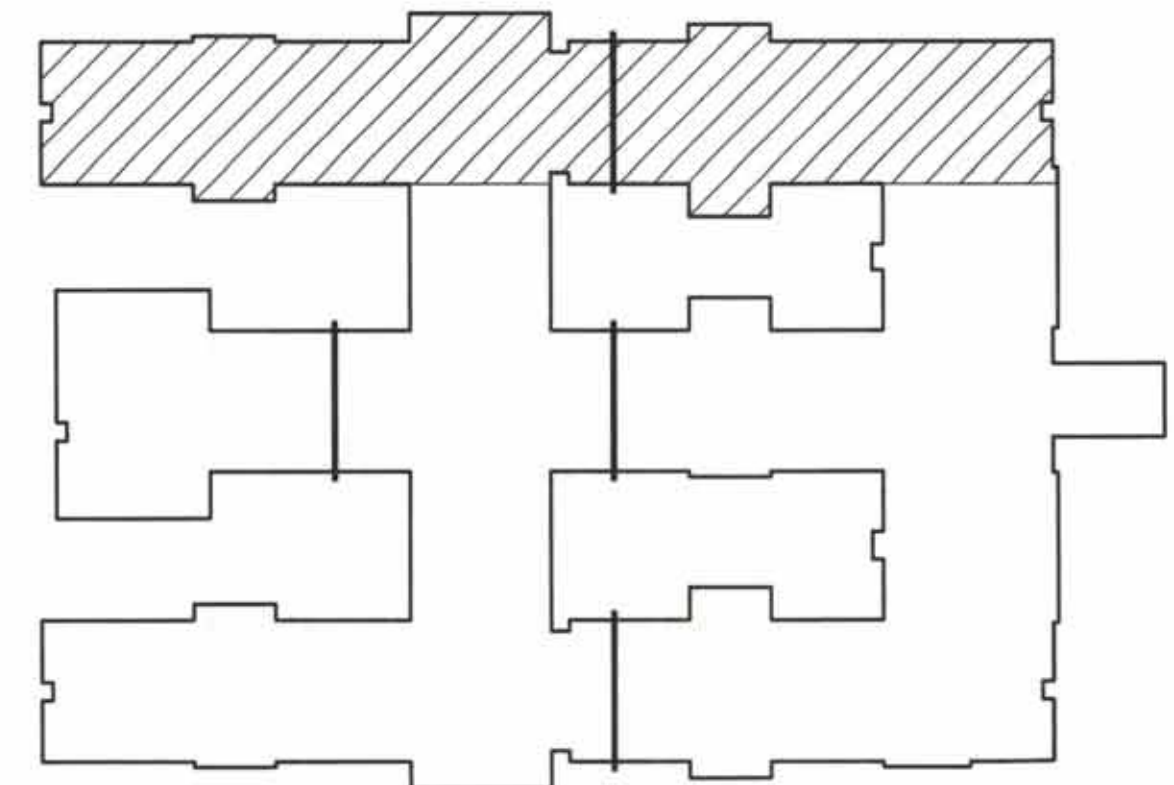
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B PARTIAL POWER PLAN
E13 SCALE: 1/8" = 1'-0"

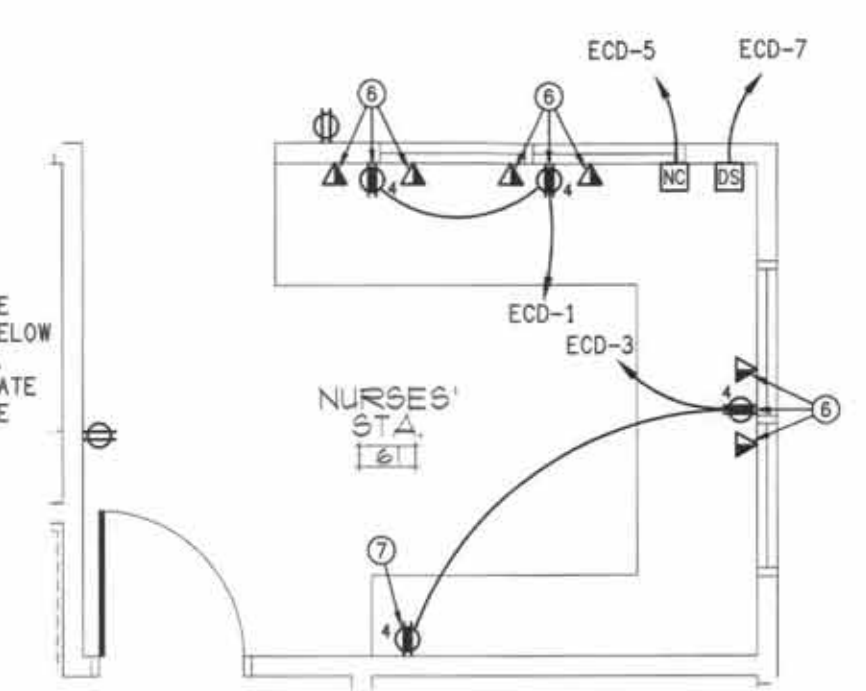


A PARTIAL POWER PLAN
E13 SCALE: 1/8" = 1'-0"

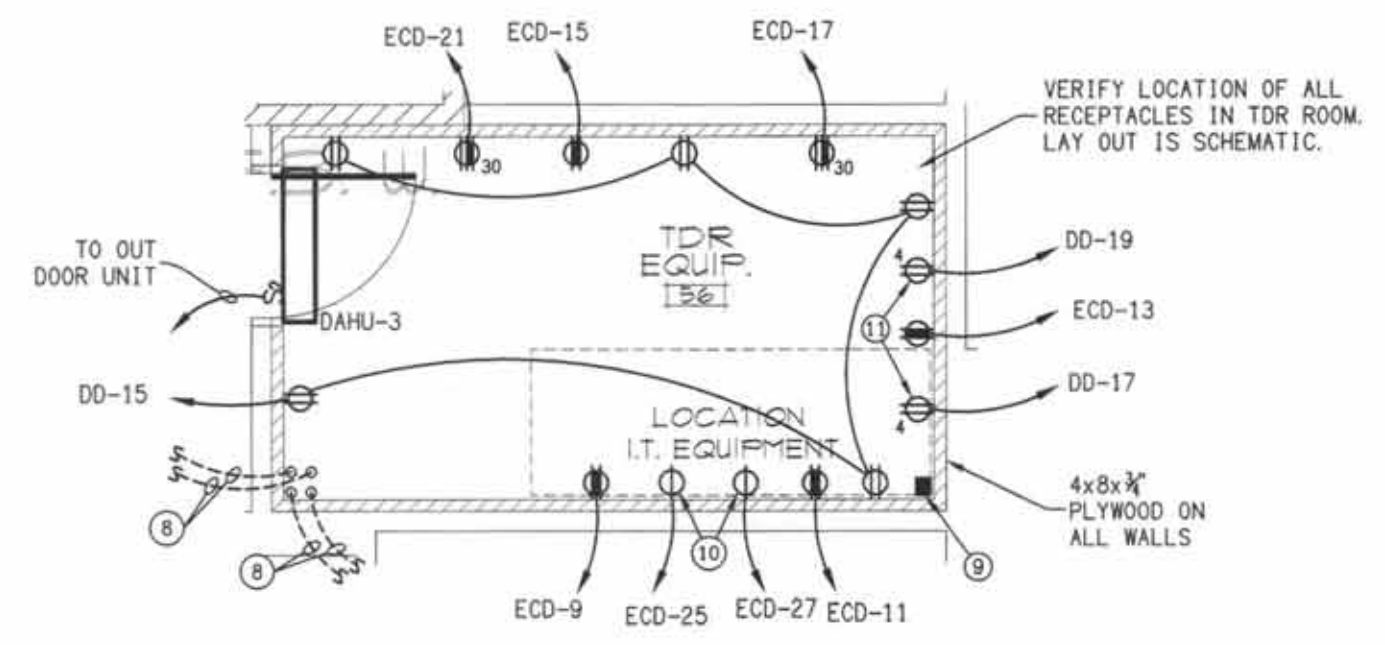


PLAN KEY

NURSE'S STATION NOTES:
1. EXCEPT FOR THE RECEPTACLE IN THE CABINET, ALL DEVICES SHALL BE BELOW THE COUNTER WITH GROMMET ACCESS.
2. COORDINATE WITH MILLWORK TO LOCATE ALL UNDER CABINET DEVICES INSIDE THE KNEE SPACE AREA.



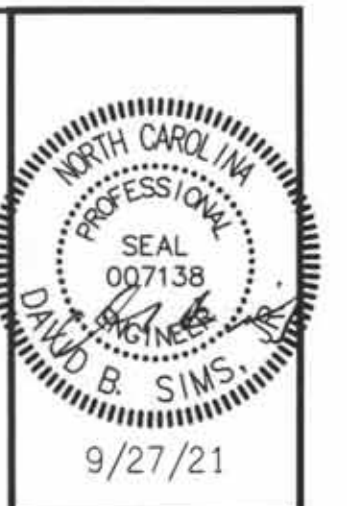
D NURSE'S STATION 61
E13 SCALE: 1/4" = 1'-0"



C TDR EQUIPMENT POWER PLAN
E13 SCALE: 1/4" = 1'-0"

- KEY NOTES:**
- 1. VERIFY LOCATION.
 - 2. RECEPTACLE FOR CABINET LIGHTS. VERIFY LOCATION.
 - 3. CONNECT TO PUCK LIGHT.
 - 4. PLACE RECEPTACLE AT REFRIGERATOR.
 - 5. MEDICAL VENDING. VERIFY LOCATION.
 - 6. PROVIDE GROMMET ACCESS. PLACE RECEPTACLE AND BOXES UNDER THE COUNTER.
 - 7. RECEPTACLE FOR IPAD CHARGER. PLACE IN CABINET. VERIFY LOCATION.
 - 8. 4" PVC CONDUIT WITH PULL STRING. SEE SHEET E2 FOR ROUTING.
 - 9. PROVIDE & INSTALL 1/4" INSULATED COPPER WIRE IN 1" GROUND TO THE ELECTRICAL SYSTEM GROUND. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BONDING INCLUDING BUT NOT LIMITED TO GROUNDING ALL RACKS AND T.D.R. PANELS. PROVIDE AND INSTALL 3 GROUNDING BARS. ALSO PROVIDE 4"x4"x2" GROUNDING BOX. VERIFY ENTRY POINT OF GROUNDING CABLE. SEE GROUNDING DETAIL.
 - 10. SINGLE RECEPTACLE ON CRITICAL POWER FOR NURSE CALL.
 - 11. POWER FOR TV.
 - 12. SEE DETAIL.
 - 13. MOUNT AT 64 1/2" SEE DETAIL.

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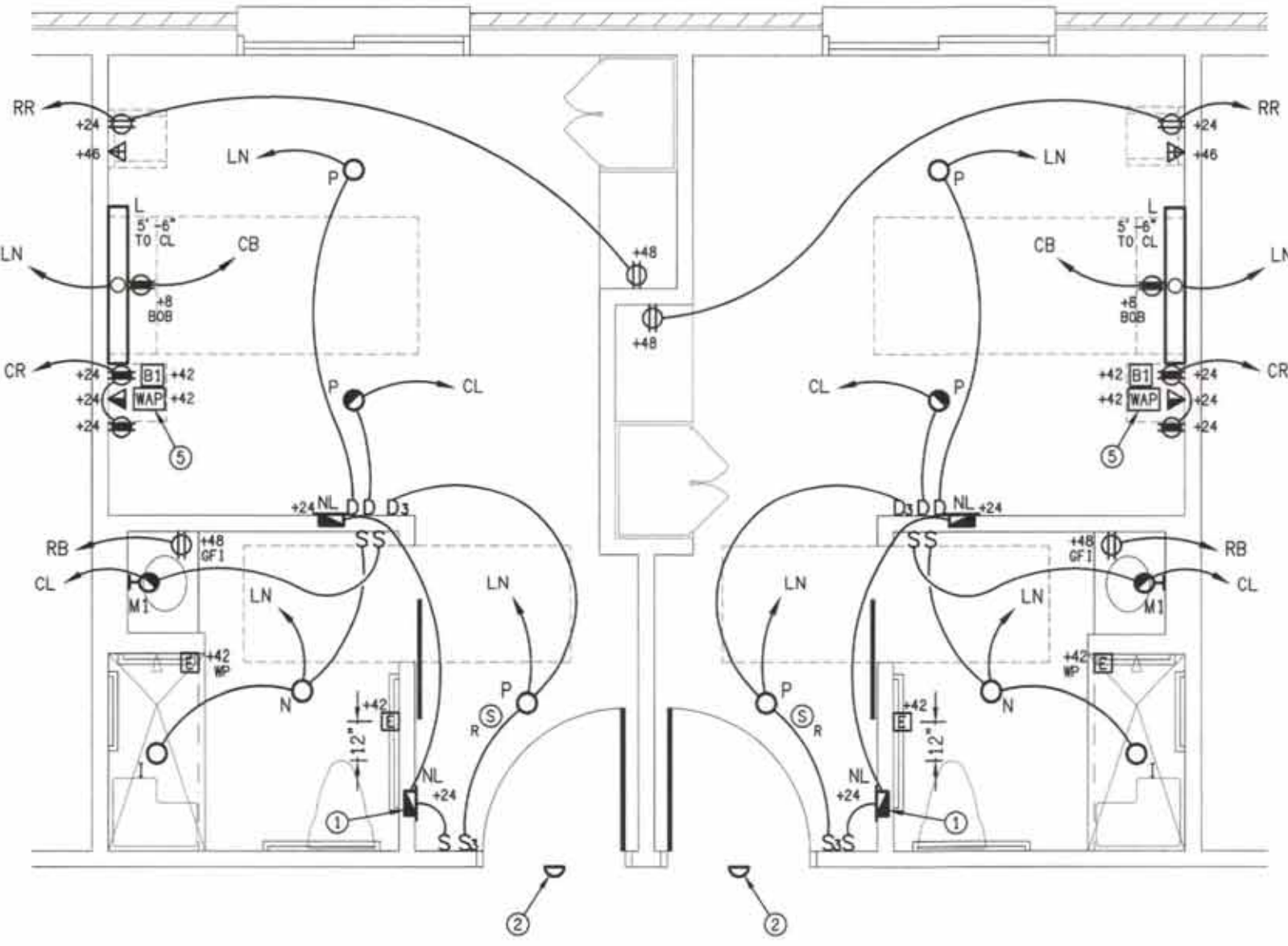
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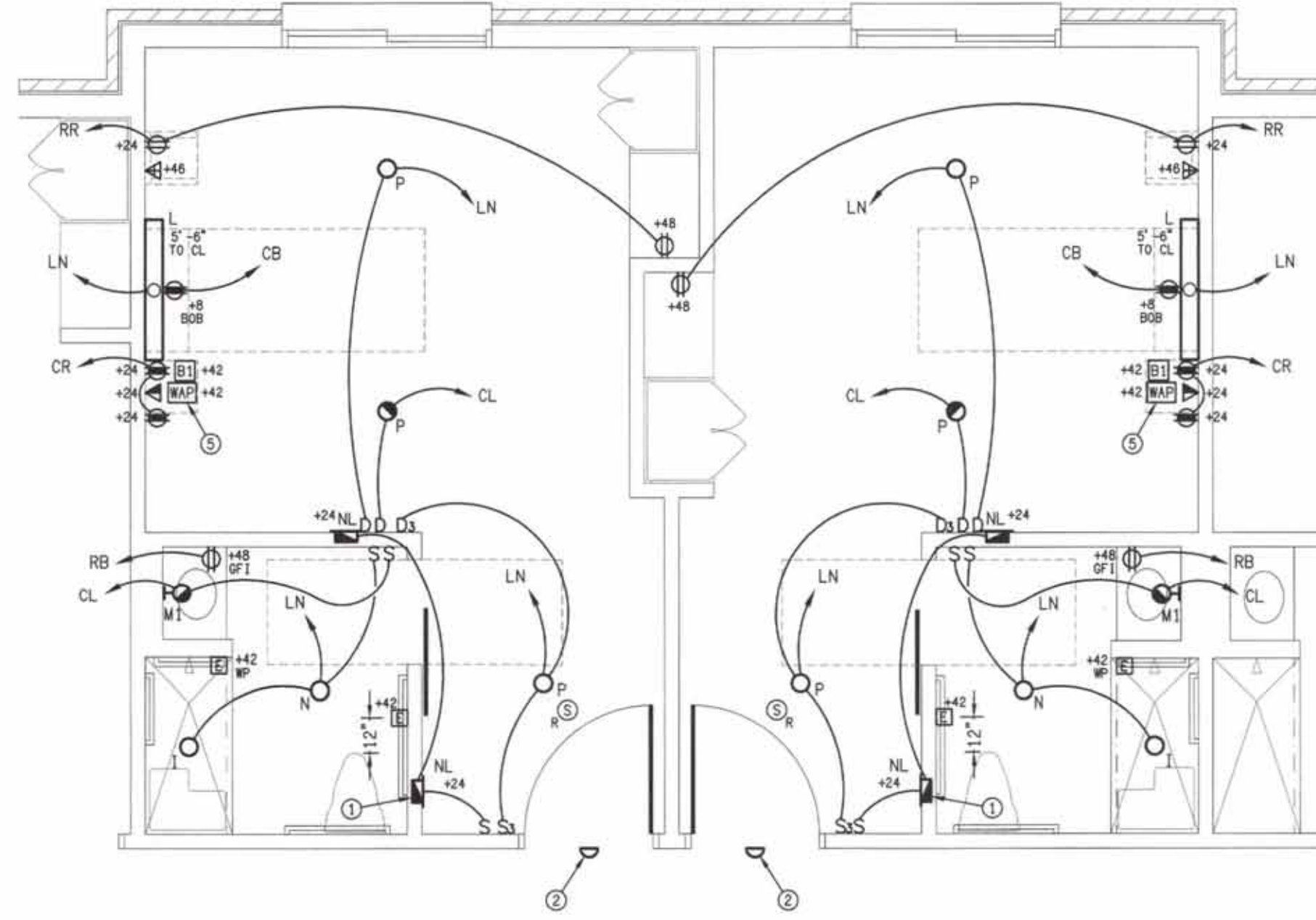
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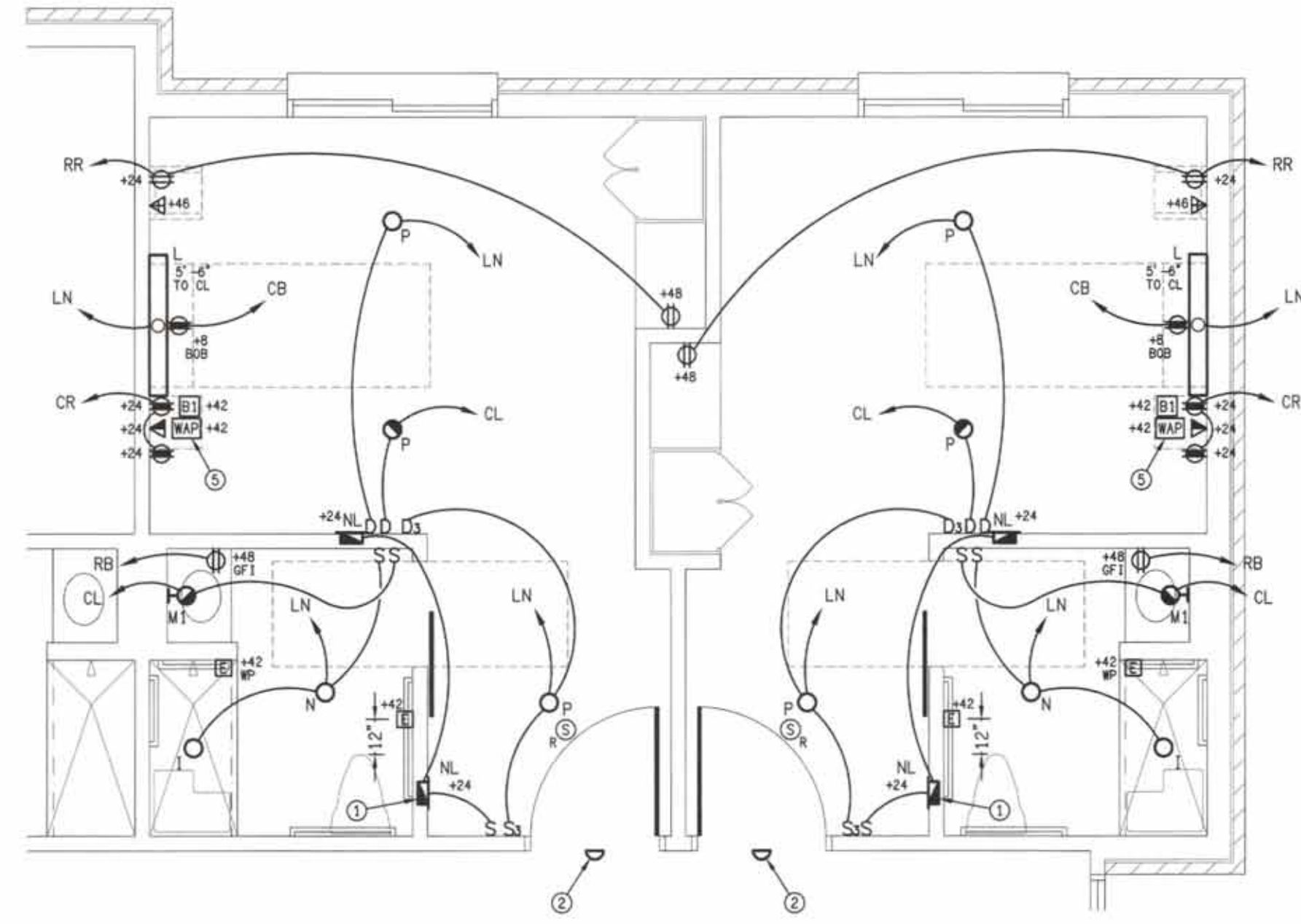
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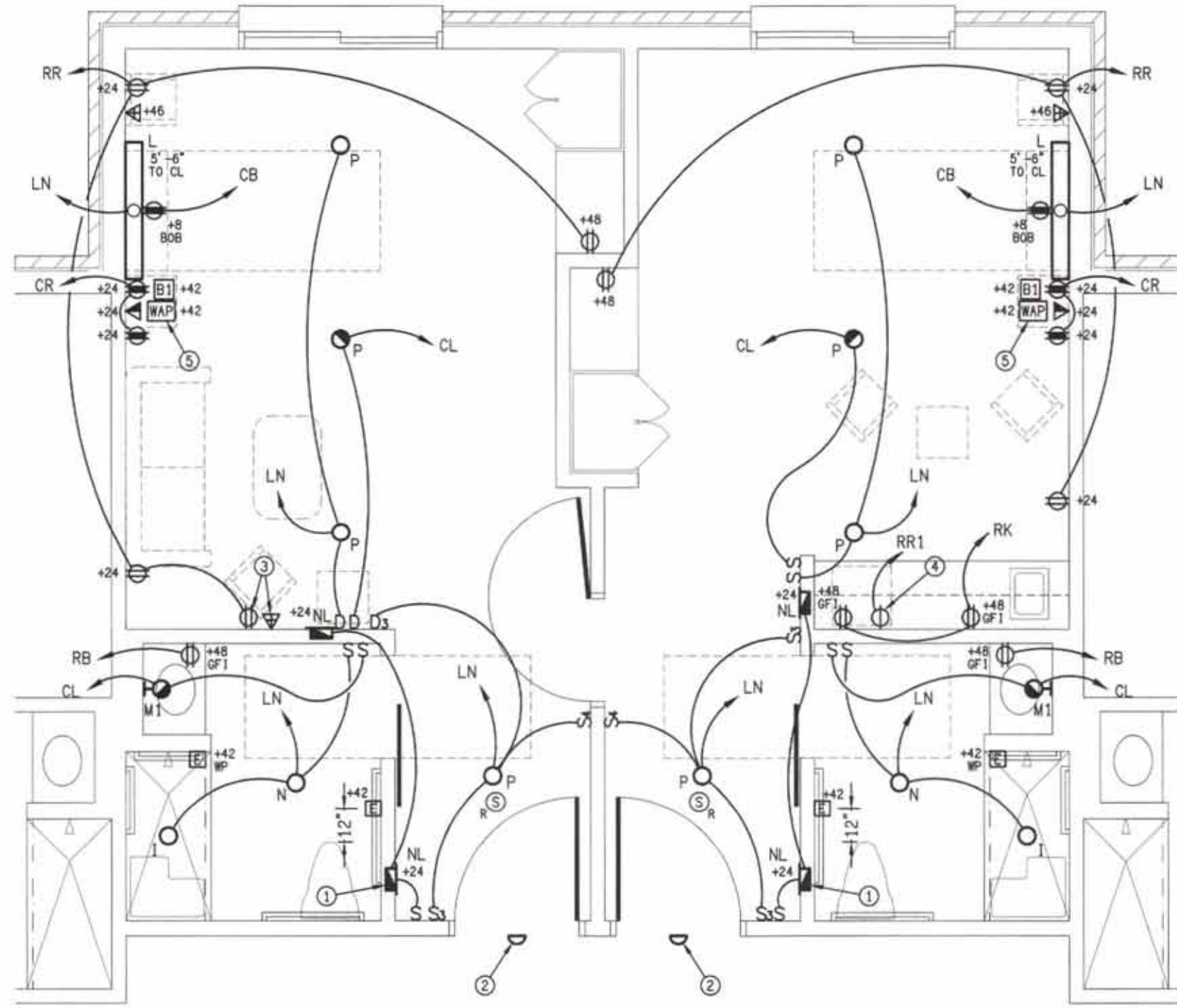
A TYPICAL PRIVATE BEDROOM SUITE
E14 SCALE: 1/4" = 1'-0"



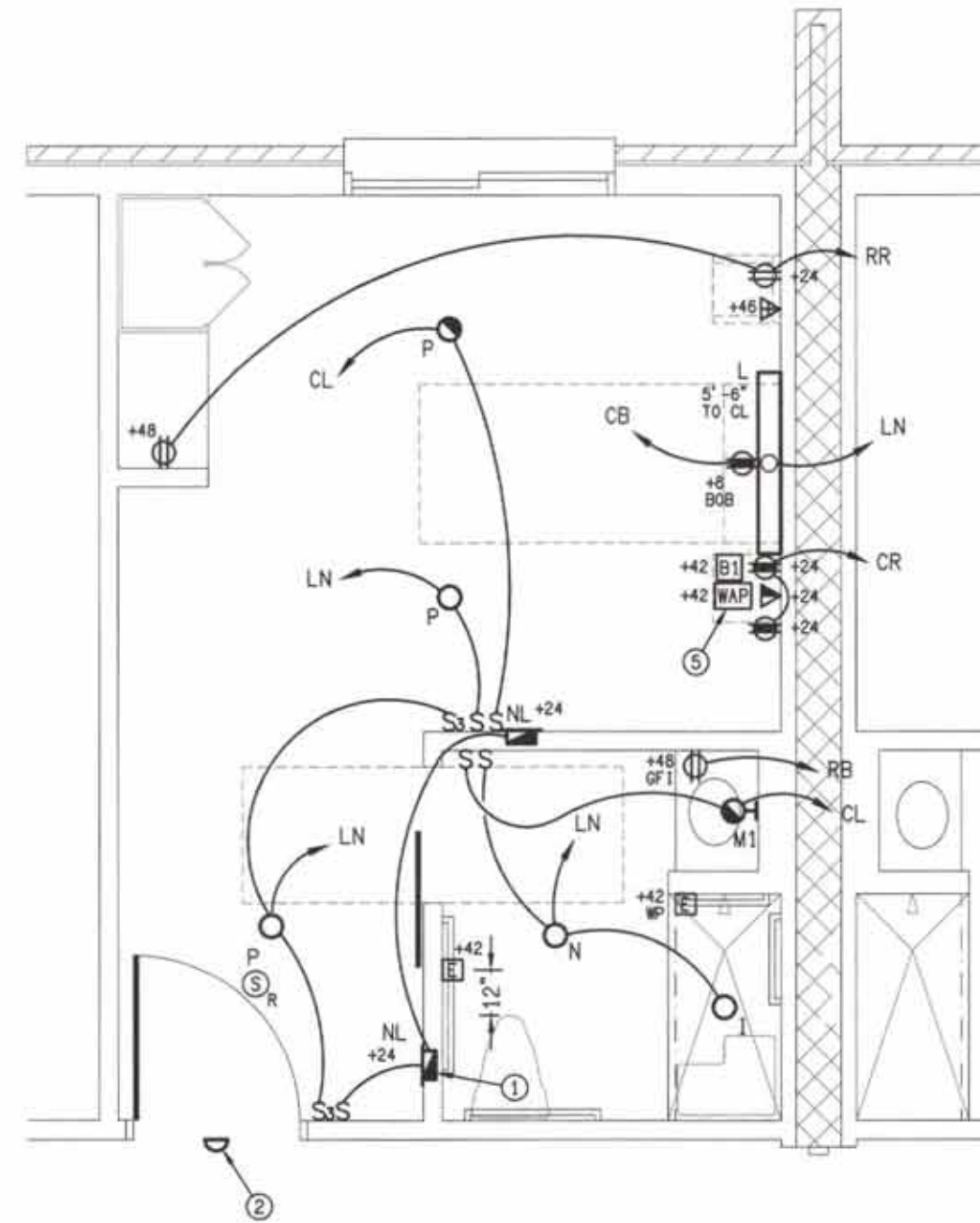
B TYPICAL PRIVATE BEDROOM SUITE
E14 SCALE: 1/4" = 1'-0" (BEDROOMS 115, 116, 815, 816)



C TYPICAL PRIVATE BEDROOM SUITE
E14 SCALE: 1/4" = 1'-0" (BEDROOMS 117, 118, 817, 818)



D TYPICAL PRIVATE 'COUPLES' BEDROOM SUITE
E14 SCALE: 1/4" = 1'-0" (BEDROOMS 108, 110, 208, 210, 707, 709, 807, 809)



E TYPICAL PRIVATE BEDROOM 'HALF' SUITE
E14 SCALE: 1/4" = 1'-0"

KEY NOTES:

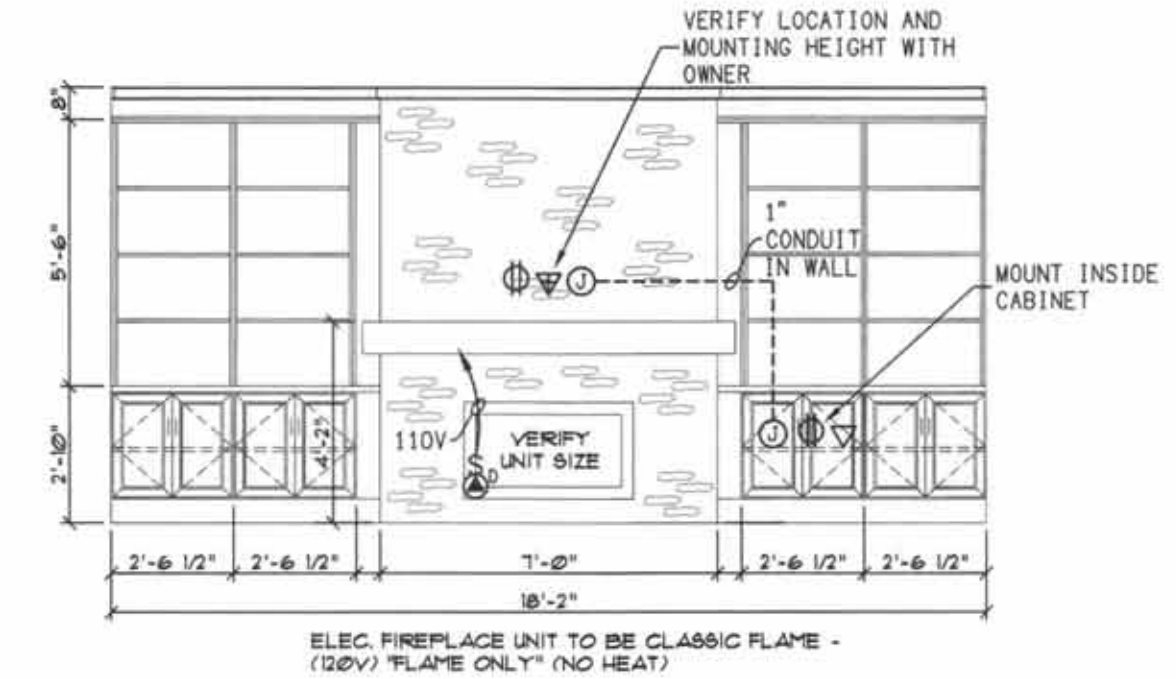
1. INSTALL NL TO MISS DOOR WHEN OPEN.
2. LOCATE IN CEILING.
3. VERIFY LOCATION. SEE DETAIL (T1).
4. LOCATE AT REFRIGERATOR.
5. JUNCTION BOX FOR WIFI.
LOCATE IN PHONE/DATA BOX.

GENERAL NOTES:

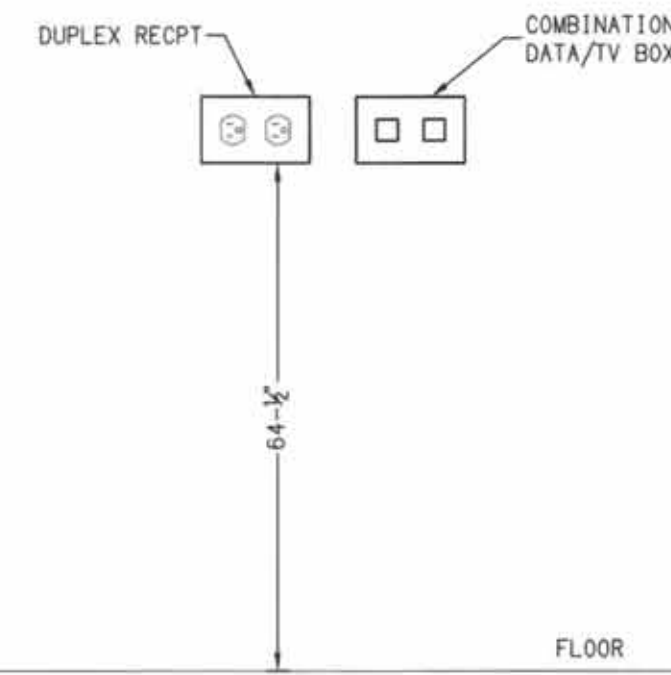
1. DIMMER SWITCH SHALL BE ARIADNI AYCL-153P.
FOR 3-WAY USE CLARO. (FOR PATIENT ROOMS ONLY).
2. COORDINATE WITH LOW VOLTAGE SHEET 1 FOR EXACT USE OF THE DATA, PHONE & TV BOXES.
3. SEE SHEET A- FOR DIMENSIONS & ELEVATIONS OF THE RECEPTABLES & BOXES.
4. AT TOILET NURSE CALL, PULL STATION SHALL BE INSTALLED 12" IN FRONT OF THE BOWL AND 42" ABOVE FINISHED FLOOR.

WIRE LEGEND

SYMBOL	DESCRIPTION
RR	RECEPTACLE CIRCUIT NORMAL POWER
RB	BATHROOM RECEPTACLE NORMAL POWER
RR1	RECEPTACLE CIRCUIT NORMAL POWER REFRIGERATOR CIRCUIT
LN	LIGHTS NORMAL POWER
CL	LIGHTS CRITICAL POWER
NL	NIGHT LIGHT CRITICAL POWER
CB	RECEPTACLE CRITICAL POWER FOR BED
CR	RECEPTACLE CRITICAL POWER FOR HEAD WALL
RK	RECEPTACLE NORMAL POWER AT COUNTER



G LIVING ROOM ELEVATION
E14 SCALE: 1/4" = 1'-0" (ROOMS #20, #36, #56, #66)



F TV & TV POWER INSTALLATION
E14 NTS

symbol	date	description	by
REVISIONS			

PANEL-A																													
TYPE		BOLT-ON		MOUNTING			SURFACE			ENCLOSURE			NEMA-1			PHASE			3			WIRE			4				
VOLTS		120/208		MAIN			800A MLO			FRAME			800A			SHORT CIR. RATING			65,000			RMS SYM			MIN				
CKT. NO.	CKT. TRIP	DESCRIPTION			PHASE			LOADING			PHASE			DESCRIPTION			CKT. TRIP	CKT. NO.											
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C													
1	30/2	HP-1			15						30			AHU-1			40/2	2											
3					15						30							4											
5	25/2	HP-2						14			38			38			AHU-2	50/2	6										
7					14						38			30			AHU-3	40/2	8										
9	30/2	HP-3			15			3			30						AHU-4	50/2	10										
11					15						30						AHU-5	40/2	12										
13	40/2	HP-4			22			22			40						AHU-6	50/2	14										
15					22			12			40			30			AHU-7	40/2	16										
17	25/2	HP-5						12			30						AHU-8	40/2	18										
19					12						30						AHU-9	40/2	20										
21	30/2	HP-6			15			15			30						AHU-10	40/2	22										
23					15						70						PANEL AA3	150/3	24										
25	30/2	HP-7			15			15			53							26											
27					15						71							28											
29																		30											
31	300/3	PANEL AA2			189						2						HOOD	20/1	32										
33					199						30						RANGE	40/2	34										
35					201						30								36										
37	150/3	PANEL AA1			110						115						PANEL AA	200/3	38										
39					88						131							40											
41					109						116							42											
SUBTOTAL					377			369			366			325			344			345									
NOTES:					TOTAL PANEL LOAD: A# 702A B# 713A C# 711A															NEUTRAL TERMINAL BAR ☒					GROUND TERMINAL BAR ☒				

PANEL- AA																								
TYPE		BOLT-ON		MOUNTING		SURFACE		ENCLOSURE		NEMA-1		PHASE		3		WIRE		4						
VOLTS		120/208		MAIN		200A		FRAME		225A		SHORT CIR. RATING		10,000		RMS SYM		MIN						
CKT. NO.	CKT. BKR. TRIP	DESCRIPTION			PHASE			LOADING			PHASE			LOADING			PHASE			CKT. BKR. TRIP	CKT. NO.			
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C					
1	20/1	RECP-T - 21			4									6							20/1	2		
3	20/1	RECP-T - 18					14						14								20/1	4		
5	20/1	DW-C					12						10								20/1	6		
7	20/1	RECP-T - 15			6								10								20/1	8		
9	20/1	RECP-T - 15					12						6								20/1	10		
11	20/1	RECP-T - 15					8						10								20/1	12		
13	20/1	RECP-T - 15			4								10								20/1	14		
15	20/1	RECP-T - 9,10					10						10								20/1	16		
17	20/1	RECP-T - 11					14						10								20/1	18		
19	20/1	RECP-T - 10					14						10								20/1	20		
21	20/1	RECP-T - 1					15						10								20/1	22		
23	20/1	FIREPLACE					6						10								20/1	24		
25	20/1	RECP-T - 1					15						10								20/1	26		
27	20/1	PUMP					3						10								20/1	28		
29	20/1	PUMP RM					2						8								20/1	30		
31	20/1	TDR - TV					10						10								20/1	32		
33	20/1	TDR - TV					10						5								20/1	34		
35	20/1	TDR - RECP-T					8						10								20/1	36		
37	20/1	RECP-T - 2					6						-									38		
39	20/1	RECP-T - 2					12						-									40		
41	20/1	RECP-T - 2					6						2								20/1	42		
SUBTOTAL					59	76	56				56	55	60											
					TOTAL PANEL LOAD:			A# 115A			B# 131A			C# 116A						NEUTRAL TERMINAL BAR			☒	
																				GROUND TERMINAL BAR			☒	
NOTES: (1) GF1 BREAKER																								

PANEL- AA1																					
TYPE		BOLT-ON		MOUNTING		SURFACE		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. TRIP			CKT. NO.
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C					
1	20/1	RECP#T - 69			15						4						RB - 404,6	20/1	2		
3	20/1	RECP#T - 72					12										RB - 408,10	20/1	4		
5	20/1	RECP#T - 91					15							4			RB - 411,12	20/1	6		
7	20/1	RB - 815,18			4						4						RB - 403,5	20/1	8		
9	20/1	RB - 816,17			4		4					4					RB - 407,9	20/1	10		
11	20/1	RB - 115,18					4						12				RECP#T - HALL	20/1	12		
13	20/1	RB - 116,17			4						14						RECP#T - DAY RM	20/1	14		
15	20/1	RR - 815,16					8					6					RECP#T - TV	20/1	16		
17	20/1	RR - 817,18					8						12				RR - 404,6,8	20/1	18		
19	20/1	RR - 115,18			8						12						RR - 410,11,12	20/1	20		
21	20/1	RR - 116,17					8					8					RR - 403,5	20/1	22		
23	20/1	RECP#T - HALL					10						8				RR - 407,9	20/1	24		
25	20/1	RECP#T - 69					10				14						RECP#T - HALL	20/1	26		
27	20/1	RECP#T - BAR					6					8					LTS ENTRANCE	20/1	28		
29	20/1	RECP#T - BAR					12						12				LTS PT	20/1	30		
31	20/1	RECP#T - LOW V.			5						10						LTS PT	20/1	32		
33	20/1	LTS - HALL					10					10					LTS OFFICE	20/1	34		
35	20/1	SPARE			-		-						12				LTS OFFICE	20/1	36		
37	20/1	SPARE			-		-				6						LTS DON OFFICE	20/1	38		
39	20/1	SPARE			-		-				-						BLANK		40		
41	20/1	SPARE			-		-				-						BLANK		42		
SUBTOTAL			46	48	49						64	40	60								
		TOTAL PANEL LOAD: A# 110A B# 88A C# 109A																			
NOTES:		NEUTRAL TERMINAL BAR ☒ GROUND TERMINAL BAR ☒																			

PANEL- AA2																					
TYPE		BOLT-ON		MOUNTING		SURFACE		ENCLOSURE		NEMA-1		PHASE		3		WIRE		4			
VOLTS		120/208		MAIN		300A MLO		FRAME		400A		SHORT CIR.RATING		22,000		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								
1	20/1	SPARE	-	-							38			AHU-9	50/2	2					
3	20/1	SPARE	-	-								38				4					
5	30/2	HP-9			14							38	38		AHU-10	50/2	6				
7					14							38				8					
9	35/2	HP-10			20							38			AHU-11	50/2	10				
11					20			20					38			12					
13	35/2	HP-11			20										BLANK		14				
15					20							19			AHU-12	25/2	16				
17	25/2	HP-12					18						19				18				
19					15						10				ATTIC RECP	20/1	20				
21	20/1	SPARE	-	-							10				ATTIC RECP	20/1	22				
23	20/1	SPARE	-	-								10	10		DOAS-2	15/2	24				
25	45/3	AHU-7			34						10						26				
27					34			34				10	10		DOAS-3	15/2	28				
29								34					10				30				
31	-	BLANK	-	-	-	-	-								SPARE	15/2	32				
33	-	BLANK	-	-	-	-	-										34				
35	-	BLANK	-	-	-	-	-								BLANK		36				
37	-	BLANK	-	-	-	-	-			10					DOAS-4	15/2	38				
39	-	BLANK	-	-	-	-	-				10	-	-	-			40				
41	-	BLANK	-	-	-	-	-								BLANK		42				
SUBTOTAL				83			74			86			106			125			115		
				TOTAL PANEL LOAD:			Ap 189A			Bp 199A			Cp 201A								
NOTES:																NEUTRAL TERMINAL BAR				☒	
																GROUND TERMINAL BAR				☒	

PANEL-EM																			
TYPE		BOLT-ON		MOUNTING		SURFACE		ENCLOSURE		NEMA-1		PHASE 3		WIRE 4					
VOLTS 120/208		MAIN		175A MLO		FRAME		225A		SHORT CIR.RATING		42,000		RMS SYM MIN					
OCT. NO.	OCT. TRIP	DESCRIPTION		PHASE		LOADING		A B C		LOADING		PHASE		DESCRIPTION		OCT. TRIP	OCT. NO.		
1	20/1	P.A. SYSTEM		2		4		A B C		2		A B C		RECEPT EM POWER		20/1	2		
3	15/1	FACP		4		8		A B C		8		A B C		LTS INT		20/1	4		
5	15/1	SPARE		-		-		A B C		6		A B C		LTS INT		20/1	6		
7	15/1	SPARE		-		-		A B C		4		A B C		EXT LTS		20/1	8		
9	20/1	SPARE		-		-		A B C		4		A B C		EXT LTS		20/1	10		
11	20/1	LT EM/EQ		10		-		A B C		2		A B C		GEN. RECEPT		20/1	12		
13	80/3	PANEL EMA		20		17		A B C		4		A B C		GEN. BATTERY CHARGER		20/1	14		
15	16	-		-		-		A B C		2		A B C		GEN. CONTROLS		20/1	16		
17	17	-		-		-		A B C		6		A B C		GEN. BLOCK HEATER		20/1	18		
19	80/3	PANEL EMB		12		8		A B C		6		A B C		GEN. HEATER		20/1	20		
21	21	-		-		-		A B C		8		A B C		GEN. HEATER		20/1	22		
23	23	-		-		-		A B C		6		A B C		GEN. HEATER		20/1	24		
25	80/3	PANEL EMD		19		13		A B C		1		A B C		GEN. POLE LT		20/1	26		
27	27	-		-		-		A B C		1		A B C		GEN. INT LT		20/1	28		
29	29	-		-		-		A B C		5		A B C		P.A. SYSTEM		20/1	30		
31	20/1	SPARE		-		-		A B C		-		A B C		BLANK		20/1	32		
33	20/1	SPARE		-		-		A B C		-		A B C		BLANK		20/1	34		
35	20/1	SPARE		-		-		A B C		-		A B C		BLANK		20/1	36		
37	-	BLANK		-		-		A B C		-		A B C		BLANK		20/1	38		
39	-	BLANK		-		-		A B C		-		A B C		BLANK		20/1	40		
41	-	BLANK		-		-		A B C		-		A B C		BLANK		20/1	42		
SUBTOTAL				53		42		38		17		23		27					
TOTAL PANEL LOAD: 100A																			
NEUTRAL TERMINAL BAR [X] GROUND TERMINAL BAR [X]																			
NOTES (1) LOCK OUT BREAKER, PAINTED RED (2) SPARE BREAKER FOR FIRE ALARM BATTERY STARTER. COORDINATE WITH FA CONTRACTOR FOR LOCATION (3) CONNECT IF SECOND HEATER IS PRESENT																			

PANEL-EMA																			
TYPE		BOLT-ON		MOUNTING		SURFACE		ENCLOSURE		NEMA-1		PHASE		WIRE					
VOLTS		120/208		MAIN		80A MLO		FRAME		100A		SHORT CIR.RATING		22,000		RMS SYM MIN			
OCT. NO.	OCT. BKR. TRIP	DESCRIPTION		PHASE		LOADING		A B C		LOADING		PHASE		DESCRIPTION		OCT. BKR. TRIP	OCT. NO.		
1	20/1	LTS EXT		10		12		A B C		-		A B C		SPARE		20/1	2		
3	20/1	LTS EXT		10		12		A B C		-		A B C		FA SPARE		15/1	4		
5	20/1	LTS INT		10		10		A B C		-		A B C		FA SPARE		15/1	6		
7	20/1	LTS INT		10		10		A B C		-		A B C		SPARE		20/1	8		
9	20/1	LTS INT		10		5		A B C		5		A B C		SPARE		20/1	10		
11	20/1	LTS INT		10		5		A B C		5		A B C		SPARE		20/1	12		
13	20/1	BLANK		-		-		A B C		-		A B C		BLANK		20/1	14		
15	15	-		-		-		A B C		-		A B C		BLANK		20/1	16		
17	17	-		-		-		A B C		-		A B C		BLANK		20/1	18		
19	19	-		-		-		A B C		-		A B C		BLANK		20/1	20		
21	21	-		-		-		A B C		-		A B C		BLANK		20/1	22		
23	23	-		-		-		A B C		-		A B C		BLANK		20/1	24		
25	25	-		-		-		A B C		-		A B C		BLANK		20/1	26		
27	27	-		-		-		A B C		-		A B C		BLANK		20/1	28		
29	29	-		-		-		A B C		-		A B C		BLANK		20/1	30		
31	31	-		-		-		A B C		-		A B C		BLANK		20/1	32		
33	33	-		-		-		A B C		-		A B C		BLANK		20/1	34		
35	35	-		-		-		A B C		-		A B C		BLANK		20/1	36		
37	37	-		-		-		A B C		-		A B C		BLANK		20/1	38		
39	39	-		-		-		A B C		-		A B C		BLANK		20/1	40		
41	41	-		-		-		A B C		-		A B C		BLANK		20/1	42		
SUBTOTAL				20		17		15		0		0		0					
				AS 20A		BP 17A		CP 15A											
NOTES: (1) PROVIDE LOCK OUT BREAKER. PAINT RED.																NEUTRAL TERMINAL BAR [X]			
																GROUND TERMINAL BAR [X]			

EQUIPMENT CONNECTION SCHEDULE												
SYMBOL	DESCRIPTION	HP	KW	AMP	VOLT	PHASE	BKR	FEEDER		CONNECTION	REMARKS	
								COND	WIRE			
	RANGE	-	-	30	208	1	40/2	3/4"	3#8, 1#10G	RECPT	PROVIDE A 120 MIN. OR LESS TIME CONTROL. TIMER TO BE LOCATED REMOTELY.	
	HOOD FAN	-	-	4	120	1	20/1	1/2"	2#12, 1#12G	RECPT	-	
	DISHWASHER	-	-	12	120	1	20/1	1/2"	2#12, 1#12G	DIRECT	-	
	FIREPLACE	-	-	2	120	1	20/1	1/2"	2#12, 1#12G	SWITCH FIREPLACE ONLY	INCLUDE CONNECTIONS TO THE TV RECEPTACLE	
	AUTOMATIC DOOR	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	SWITCH	-	
	FOUNTAIN	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	SWITCH	VERIFY VOLTAGE	
	UMBRELLA LIGHTING	-	-	6	120	1	20/1	1/2"	2#12, 1#12G	SWITCH	-	
	CUBICAL CONNECTION	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	DIRECT	PROVIDE CONDUIT FOR DATA VERIFY CONNECTION	
HP-19, 21, 23, 24, 28	1 1/2 TON HEAT PUMP	-	-	10	208	1	20/2	1/2"	2#12, 1#12G	FUSED DISC NEMA-3R	-	
HP-5, 12, 13, 14, 16, 22, 25, 26, 29, 30, 33	2 TON HEAT PUMP	-	-	12	208	1	25/2	1/2"	2#10, 1#10G	FUSED DISC NEMA-3R	-	
HP-2	2 1/2 TON HEAT PUMP	-	-	14	208	1	25/2	1/2"	2#10, 1#10G	FUSED DISC NEMA-3R	-	
HP-1, 3, 6, 7, 9, 17, 18, 27, 32, 34	3 TON HEAT PUMP	-	-	15	208	1	30/2	1/2"	2#10, 1#10G	FUSED DISC NEMA-3R	-	
HP-10, 11	3 1/2 TON HEAT PUMP	-	-	20	208	1	35/2	3/4"	2#8, 1#10G	FUSED DISC NEMA-3R	-	
HP-4, 15, 31	4 TON HEAT PUMP	-	-	22	208	1	40/2	3/4"	2#8, 1#10G	FUSED DISC NEMA-3R	-	
HP-20A, 20B	5 TON HEAT PUMP	-	-	28	208	1	50/2	3/4"	2#8, 1#10G	FUSED DISC NEMA-3R	-	
AHU-12, 19, 21, 23, 24, 28	AIR HANDLER UNIT	-	3.6	19	208	1	25/2	1/2"	2#10, 1#10G	FUSED DISC NEMA-1R	-	
AHU-1, 3, 5, 6, 13, 14, 16, 22, 25, 26, 29, 30, 33	AIR HANDLER UNIT	-	5.76	30	208	1	40/2	3/4"	2#8, 1#10G	FUSED DISC NEMA-1R	-	
AHU-2, 4, 9, 10, 11, 15, 17, 18, 27, 31, 32, 34	AIR HANDLER UNIT	-	7.2	38	208	1	50/2	3/4"	2#8, 1#10G	FUSED DISC NEMA-1R	-	
-	-	-	-	-	-	-	-	-	-	-	-	
AHU-7	AIR HANDLER UNIT	-	10.8	34	208	3	45/3	3/4"	3#8, 1#10G	FUSED DISC NEMA-1R	-	
AHU-20A, 20B	AIR HANDLER UNIT	-	-	36	208	3	45/3	3/4"	3#8, 1#10G	FUSED DISC NEMA-1R	-	
DOAS	FRESH AIR MAKE UP UNIT	-	-	10	208	1	15/2	1/2"	2#12, 1#12G	TWO POLE SWITCH 15A-240V	-	
ER	ENERGY RECOVERY	-	-	8	208	1	15/2	1/2"	2#12, 1#12G	TWO POLE SWITCH 15A-250V	-	
BS1	ZONE HEAT RECOVERY	-	-	1	208	1	15/2	1/2"	2#12, 1#12G	TWO POLE SWITCH	-	
CU-1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13	OUTDOOR UNIT	-	-	22	208	1	40/2	3/4"	3#8, 1#10G	FUSED DISC NEMA 3R	-	
CU-10, 14	OUTDOOR UNIT	-	-	22	208	1	40/3	1/2"	3#4, 1#10G	FUSED DISC NEMA 3R	-	
IND	INDOOR UNIT	-	-	0.2	208	1	15/2	1/2"	2#12, 1#12G	TWO POLE SWITCH	-	
DOAC-1	FRESH AIR OUTDOOR UNIT	-	-	14	208	3	30/3	1/2"	3#10, 1#10G	FUSED DISC NEMA 3R	-	
DOAHU-1	FRESH AIR INDOOR UNIT	-	10	36	208	3	50/3	3/4"	3#8, 1#10G	FUSED DISC NEMA 3R	-	
EH-1, 2	WALL HEATER	-	2	10	208	1	20/2	1/2"	2#12, 1#12G	DIRECT	-	
D-1, 2, 3	DEHUMIDIFIER	-	-	10	120	1	20/1	1/2"	2#12, 1#12G	SWITCH SPST	-	
FSD	FIRE SMOKE DAMPER	-	-	0.5	120	1	20/1	1/2"	2#12, 1#12G	SWITCH SPST	-	
DH-1, 2, 3	DUCT HEATER	-	2.5	12	208	1	20/2	1/2"	2#12, 1#12G	FUSED DISC	NEMA-1	
DC-1, 2, 3	FIRE SMOKE DAMPER	-	10	9	208	1	15/2	1/2"	2#12, 1#12G	FUSED DISC NEMA 3R	ROUTE DAHU-1, 2, 3 TO OUTDOOR UNIT	
LS	LIFT STATION	2	5	17	208	3	35/3	1/2"	2#8, 1#10G	LIFT STATION PANEL	PROVIDE SOLID STATE REDUCED VOLTAGE STARTER	
30	RESIDENTIAL DRYER	-	-	20	208	1	30/2	1/2"	2#10, 1#10G	RECPT	-	

NOTES:
1. CONTRACTOR SHALL VERIFY ALL CONNECTIONS BEFORE RUNNING SERVICE OR ORDERING EQUIPMENT.
2. AHU-8 AND HP-8 ARE NOT IN PROJECT.

PANEL-S																	
TYPE		BOLT-ON		MOUNTING SURFACE		ENCLOSURE		NEMA-NEMA-1		PHASE 3		WIRE 4					
VOLTS 120/208		MAIN		100A MCB		FRAME		100A		SHORT CIR.RATING 10,000		RMS SYM MIN					
CKT. NO.	CKT. BKR. TRIP	DESCRIPTION		PHASE		LOADING		A B C		LOADING		PHASE		DESCRIPTION		CKT. BKR. TRIP	CKT. NO.
1	20/2	PTAC		14	14					6	2	LTS		20/1	2		
3										15		HWT		20/1	4		
5	20/1	RECPT								2		SPARE		20/1	6		
7	20/1	RECPT								2		SPARE		20/1	8		
9	15/2	TEST RECPT		10		10						SPARE		20/1	10		
11												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				16	24	16					6	2	15				
NOTES:																	



12/8/21

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3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

104 BED
NURSING FACILITY

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REVISIONS			

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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.

INSTALLATION NOTES

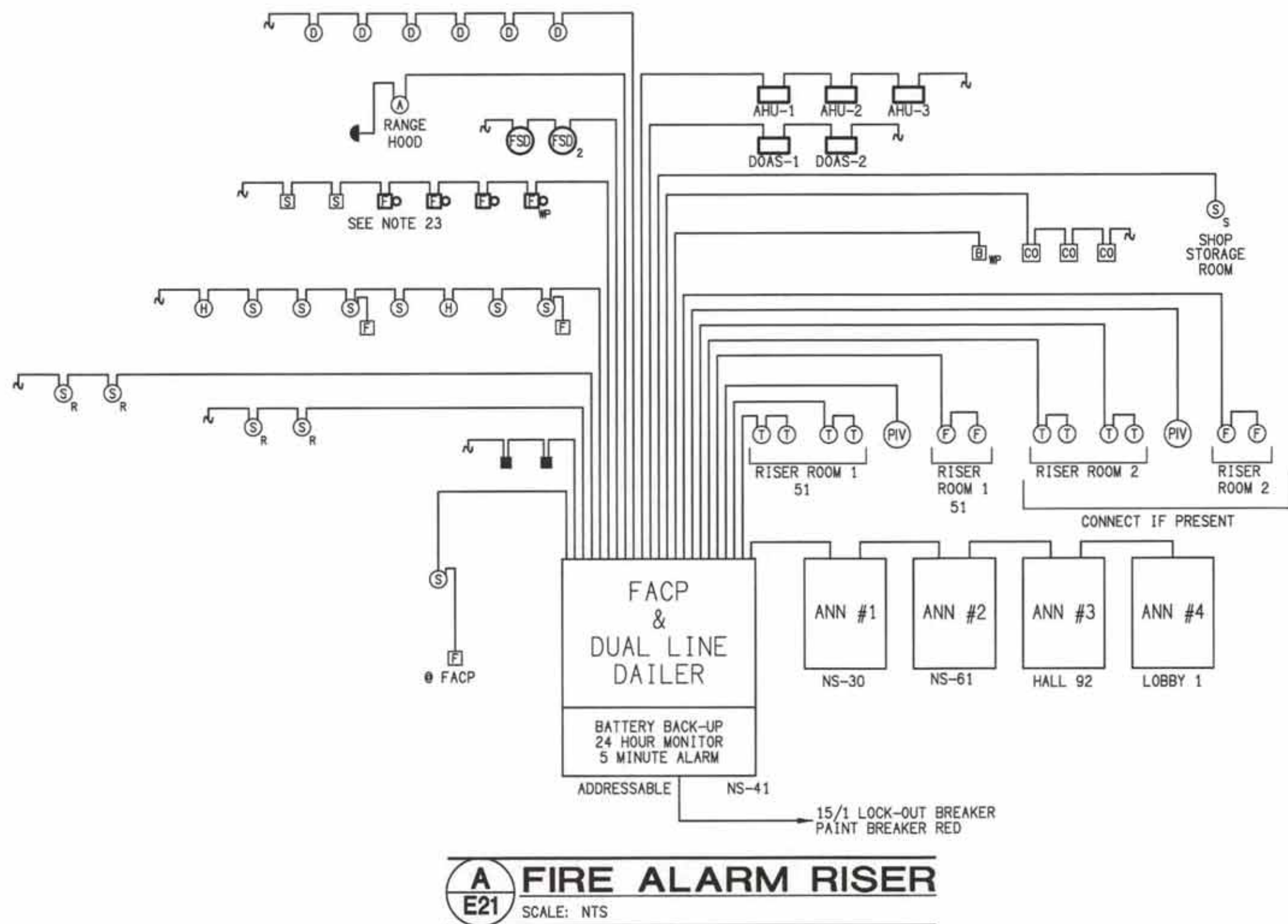
1. WIRE SHALL BE COPPER.
2. ALL WIRE SHALL BE CAPPED AND RUN IN CONDUIT (EXCEPTION, SEE NOTE 4).
3. MINIMUM CONDUIT SIZE SHALL BE 3/4" EMT WITH JUNCTION BOXES PAINTED RED.
4. U.L. APPROVED FIRE ALARM CABLE MARKED FPL PER NEC 760-28 SHALL BE ALLOWED IN CONCEALED IN NON-PLENUM AREAS ONLY WHEN NOT EXPOSED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

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
[M]	MANUAL PULL STATION MTD. AT 4' 0" TO CENTER
[S]	SMOKE DETECTOR, PHOTOELECTRIC TYPE, CEILING MOUNTED
[H]	CHIME/STROBE, MOUNTED AT 84" TO CENTERLINE OF OUTLET BOX
[S]	STROBE ONLY, MOUNTED AT 84" TO CENTERLINE OF OUTLET BOX
[D]	HEAT DETECTOR, RATE OF RISE INDICATED IN DEGREES
[P]	PRESSURE OR FLOW SWITCH BY OTHERS
[D]	DUCT DETECTOR - PROVIDED BY FIRE ALARM CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR AND CONNECTED BY FIRE ALARM CONTRACTOR
[PIV]	POST INDICATOR VALVE BY OTHERS
[T]	TAMPER SWITCH BY OTHERS
[M]	MAGNETIC DOOR HOLDERS
[FAP]	FIRE ALARM PANEL
[A]	AIR HANDLING UNIT BY MECHANICAL CONTRACTOR - SHUTDOWN, SHUTDOWN RELAY & WIRING BY ELECTRICAL CONTRACTOR
[ANN]	ANNUNCIATOR
[S _R]	ROOM SMOKE DETECTOR WITH OUT SOUNDER. CONNECT TO NURSE CALL PANEL SEE NOTE 16.
[S _S]	SMOKE DETECTOR WITH SOUNDER FOR SHOP STORAGE ROOM
[WP]	WEATHERPROOF
[H]	EXTERIOR HORN STROBE
[A]	RANGE HOOD FIRE SUPPRESSION SYSTEM
[H]	RANGE HOOD SHUT DOWN
[AHU]	AIR HANDLING UNIT, SEE MECHANICAL PLANS FOR LOCATIONS
[ERV]	ENERGY RECOVERY UNIT, SEE MECHANICAL PLANS FOR LOCATIONS
[CO]	CARBON MONOXIDE DETECTOR
[SD ₁]	FIRE SMOKE DAMPER - 1 1/2 HR
[SD ₂]	FIRE SMOKE DAMPER - 2 HR

SURVIVABILITY NOTES:

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

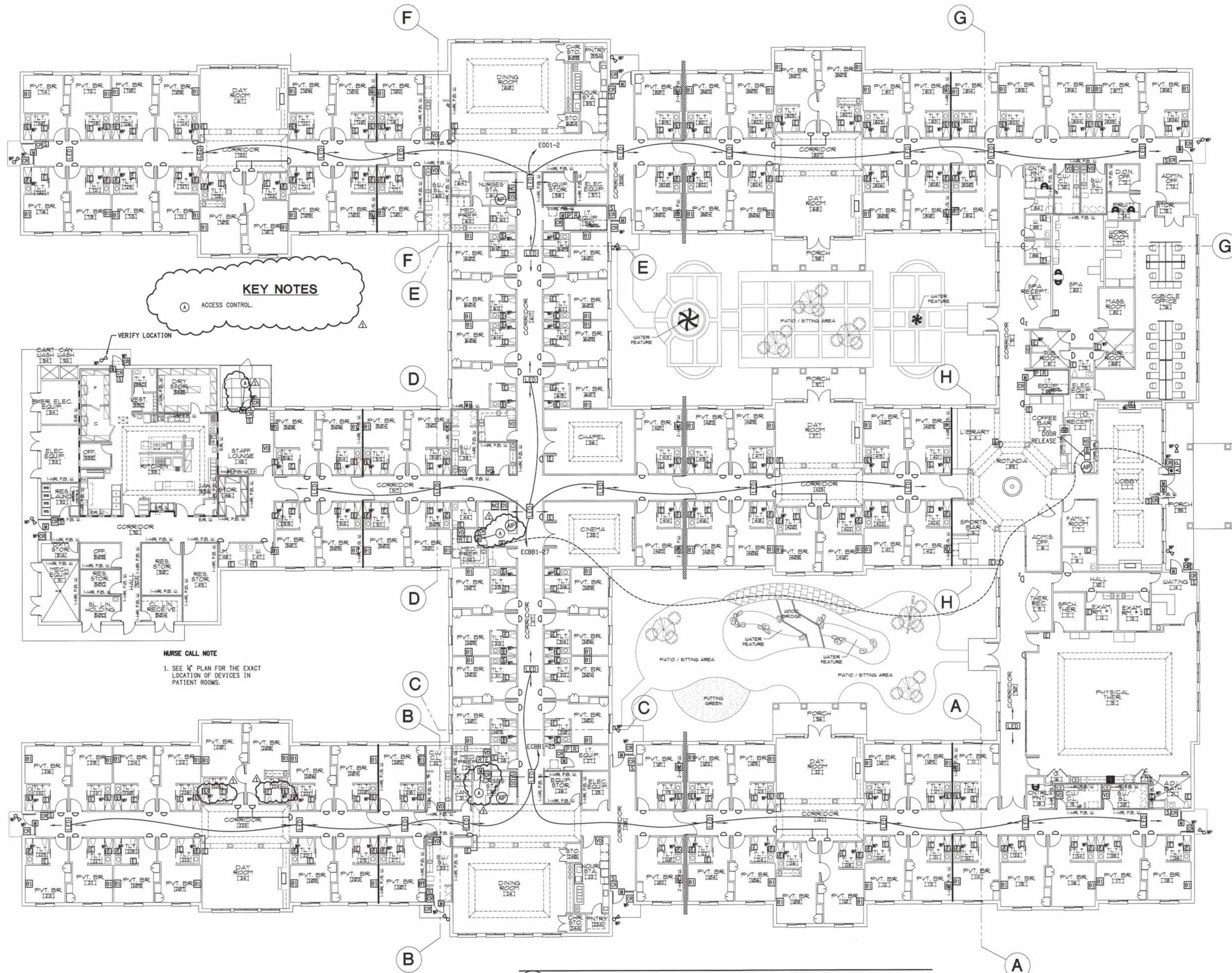


FIRE ALARM RISER
SCALE: NTS

NOTES:

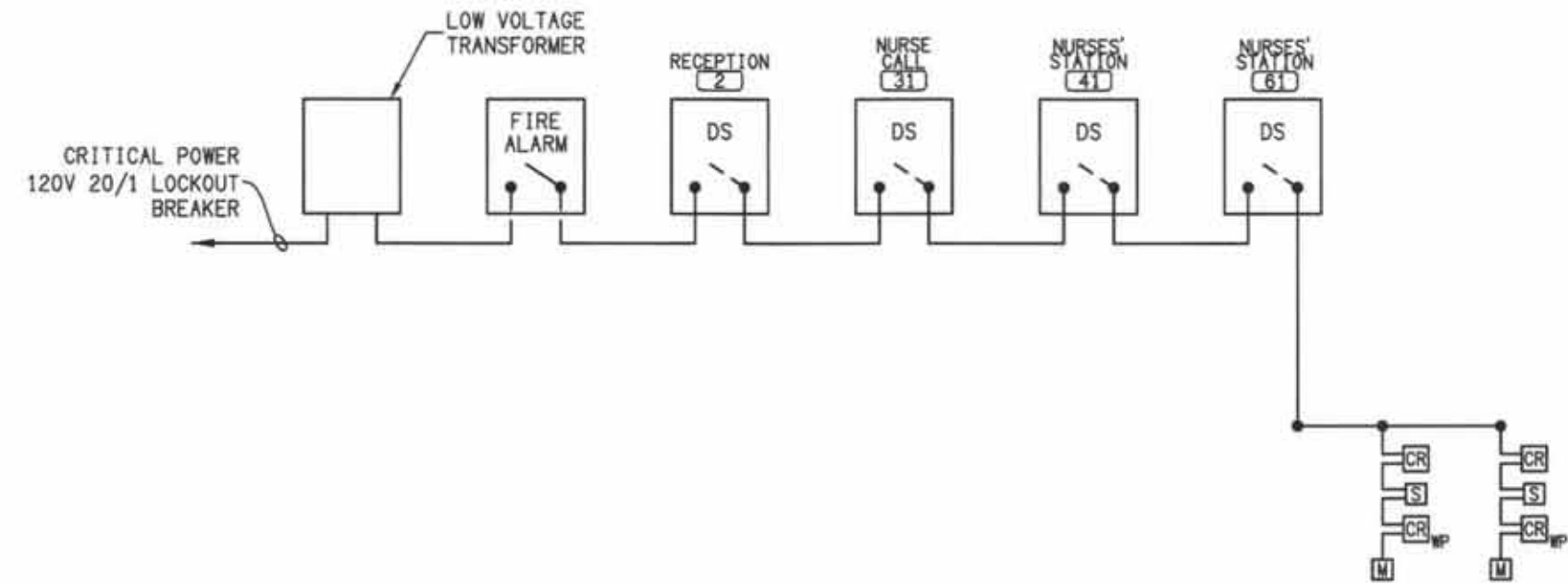
1. COORDINATE WITH MECHANICAL CONTRACTOR TO KEEP ALL SMOKE DETECTORS 3'-0" MINIMUM FROM ALL HVAC SUPPLY AND RETURN REGISTERS AND MAINTAIN A MAXIMUM OF 30'-0" SPACING BETWEEN SMOKE DETECTORS IN THE CORRIDORS AND A 15'-0" MINIMUM DISTANCE FROM EXTERIOR DOORWAYS AND 5'-0" FROM INTERIOR DOORWAYS IN CORRIDORS. CONTRACTOR SHALL ADD ANY DETECTORS REQUIRED TO MEET THE ABOVE SPACING AT NO EXPENSE TO THE OWNER.
2. 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.
3. ALL FIRE ALARM CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
4. PROVIDE RELAY MODULE FOR:
 - A. MAGNETIC DOOR HOLDERS
 - B. AHU SHUTDOWN
5. 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.
6. ALL AHU'S & ERV'S SHALL SHUT DOWN ON GENERAL ALARM.
7. ALL SECURITY OPERATED DOORS SHALL OPEN UPON GENERAL ALARM CONDITIONS.
8. INTERIOR TAMPER SWITCHES, PRESSURE OR FLOW SWITCHES AND TAMPER SWITCH AT POST INDICATING VALVE SHALL BE BY OTHERS WITH CONNECTION AND INSTALLATION SHALL BE BY THE CONTRACTOR. ALL OTHER EQUIPMENT AND INSTALLATION SHALL BE BY THE CONTRACTOR INCLUDING DUCT DETECTORS AND TAMPER SWITCHES IN THE BACKFLOW PREVENTER PIT.
9. UPON COMPLETION OF THE INSTALLATION THE CONTRACTOR SHALL PROVIDE SMOKE DETECTOR SENSITIVITY REPORT AT THE FINAL STATE INSPECTION - SEE SPECS FOR COPY OF REPORT.
10. SYSTEM SHALL BE POWER LIMITED TYPE.
11. ALL COMPONENTS SHALL REFLECT U.L. LISTING AND LABELING FOR FIRE SERVICE USE AND SHALL BE COMPATIBLE.
12. SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72, 72E, 70, ARTICLE 760-15, -16, -21, 7 NFPA 101 ARTICLE 7-6 AND ANSI A.17.1, 4.26.
13. ALL STROBES SHALL COMPLY WITH ADA REQUIREMENTS.
14. 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:
 - A. ENERGIZE ALL ALARM SIGNALING DEVICES.
 - B. SOUND ALL AUDIBLE ALARMS AND FLASH VISUAL SIGNAL THROUGHOUT THE BUILDING.
 - C. ALERT THE LOCAL FIRE DEPARTMENT OR PROPRIETARY SYSTEM.
 - D. CAUSE ALARM TO BE DISPLAYED ON THE ANNUNCIATOR AND ON THE CONTROL PANEL.
 - E. CLOSE ALL DOORS WHICH ARE HELD OPEN BY AUTOMATIC RELEASE DEVICES THROUGHOUT THE FACILITY OR BY ZONE.
 - F. SHUT DOWN ALL AHU'S.
15. 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.
16. SMOKE DETECTOR SHALL SHOW IN THE FACP AND ANN AS A TROUBLE SIGNAL NOT GENERAL ALARM.
17. 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
18. PROVIDE TAMPER SWITCH FOR BACKFLOW PREVENTER. VERIFY WHETHER TAMPER SWITCH IS IN THE BUILDING OR IN A PIT ON THE SITE.
19. ALL STROBES AND STROBE/CHIMES SHALL BE ADJUSTABLE FOR LIGHT LEVEL AND AUDIO.
20. THE ENGINEER OF RECORD SHALL SIZE THE BATTERY BACK-UP AND THE CONTRACTOR SHALL PROVIDE A BATTERY THAT EXCEEDS THE CAPACITY CALLED FOR.
21. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL BATTERY BOOSTER STATIONS & CONNECT TO A DEDICATED LIFE SAFETY CIRCUIT AT NO ADDITIONAL COST TO THE OWNER.
22. SYSTEM SHALL BE CLASS B WITH INDIVIDUAL SMOKE COMPARTMENTS. USE ISOLATION MODULES.
21. FIELD LOCATE THE REMOTE BOOSTER STATIONS. ALL LIFE SAFETY PANELS HAVE SPARE BREAKERS TO SERVE THOSE STATIONS.
22. PROVIDE ISOLATION MODULES AS NEEDED.
23. CONNECT ALL BATTERIES & REMOTE BATTERIES ON LIFE SAFETY 120V-20/1 SERVICE. PROVIDE LOCK-OUT BREAKER PAINTED RED.
24. FOR HALL SMOKE DETECTORS, IDENTIFY WHICH SMOKE COMPARTMENTS THAT THEY ARE LOCATED.
25. POST A MAP OF ALL SMOKE COMPARTMENTS SHOWING THE FIRE ALARM PLAN WITH ITS SMOKE COMPARTMENT.
26. 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.
27. SMOKE COMPARTMENTS SHALL BE INSTALLED AS SEPARATE SMOKE ZONES PER 2013 NFPA-72 AND 2014 FBC.
28. PROVIDE A MAP OF ALL SMOKE COMPARTMENTS SHOWING A FIRE ALARM PLAN WITH ITS SMOKE COMPARTMENTS.
29. ALL FIRE ALARM SUPERVISORY SYSTEMS SIGNALS MUST BE EITHER NON-CANCELABLE OR CAN BE PROVIDED WITH INTERMITTING DEVICE. THIS REOCCURS EVERY 5 MINUTES UNTIL THE SUPERVISORY CONDITIONS HAVE BEEN CLEARED.

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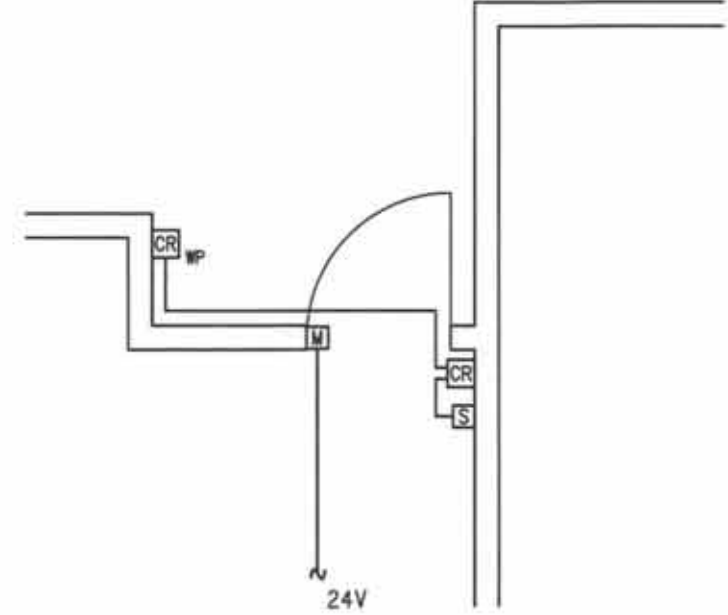


A NURSE CALL AND DOOR SECURITY PLAN
E22 SCALE: 1/16" = 1'-0"

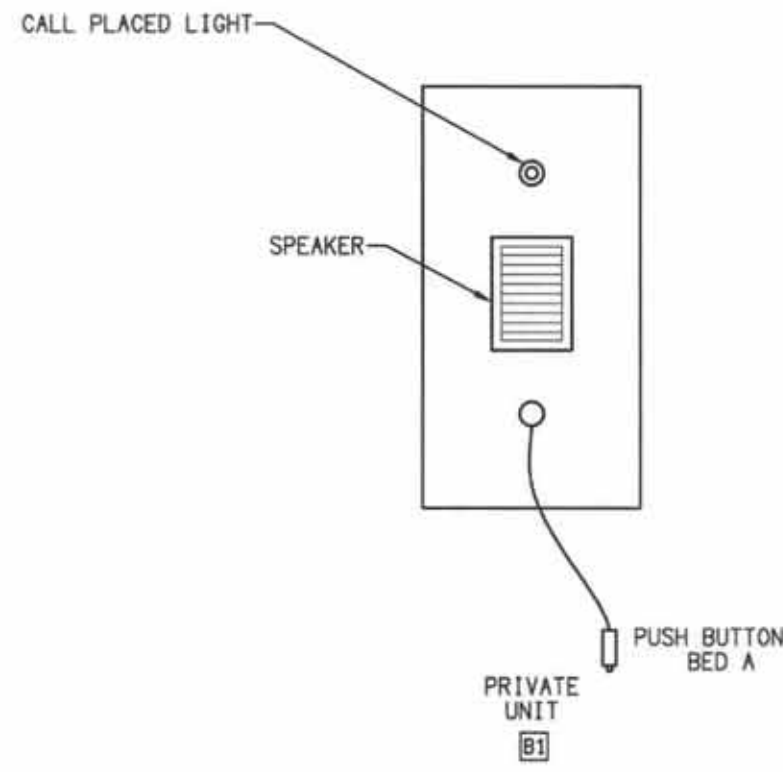
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C
E23 SCHEMATIC WIRING DIAGRAM
MAGNETIC DOOR LOCK SYSTEM
SCALE: NTS



B
E23 MAG LOCKS AT DOOR
SCALE: NTS



A
E23 NURSE'S CALL BEDSIDE STATION
SCALE: NTS

- MAG LOCK NOTES:**
- ALL MAGNETIC LOCKS SHALL OPEN UNDER THE FOLLOWING CONDITIONS:
A. COMMERCIAL POWER FAILURE
B. ACTIVATION OF THE FIRE ALARM
C. ACTIVATION OF SHUT-OFF SWITCH AT NURSE'S STATION.
 - INDIVIDUAL DOORS SHALL OPEN UPON:
A. KEYPAD OPERATOR LOCATED WITHIN 3'-0" OF DOOR
B. ~~SWITCH COVERED BEHIND PLASTIC COVER WITH ALARM 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.
 - THE INSTALLATION SHALL MEET ALL REQUIREMENTS SPECIAL-LOCKING ARRANGEMENTS PER STATE BUILDING CODE 407.11 AND 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.

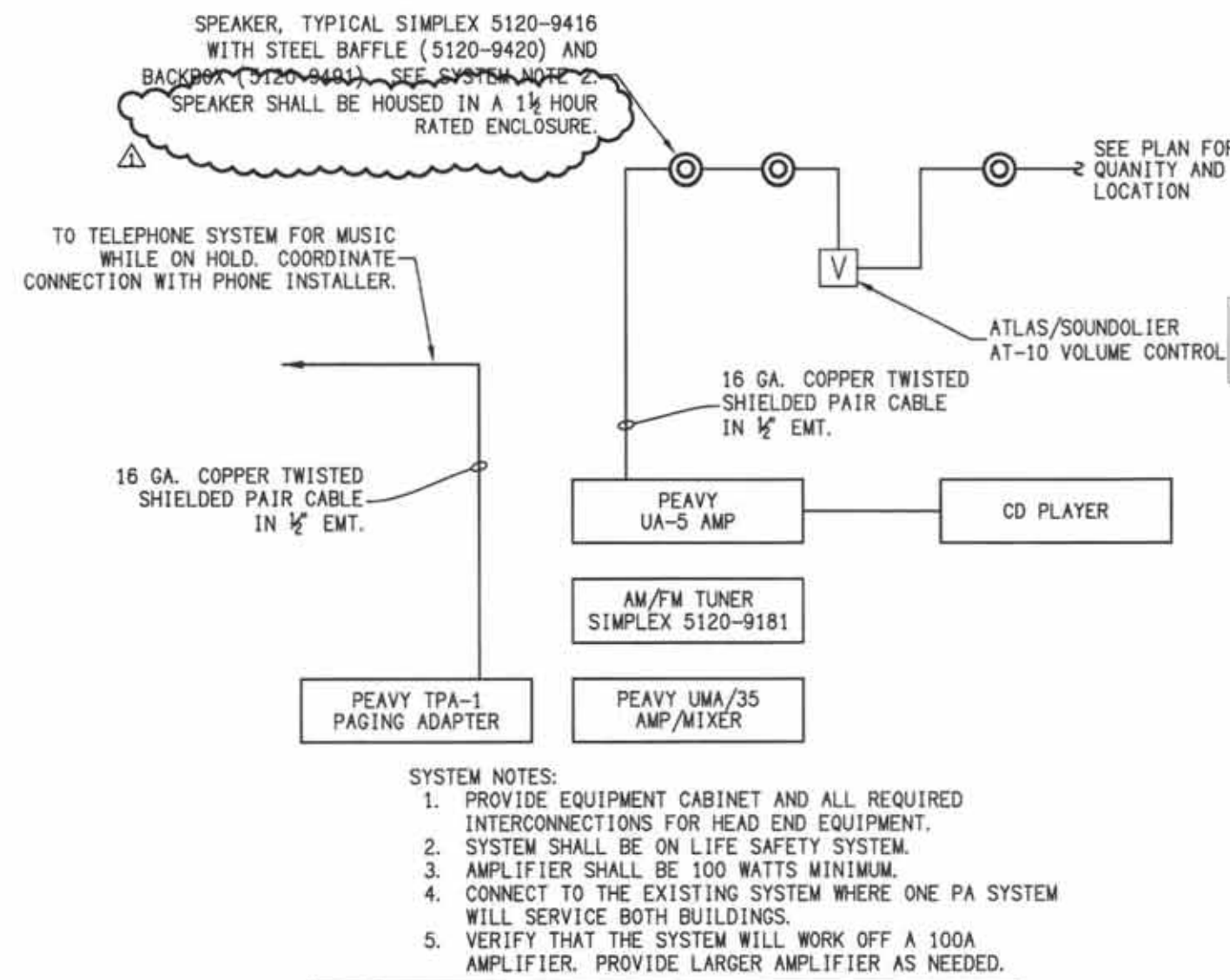
DOOR SECURITY LEGEND	
DS	DOOR SECURITY CONTROL PANEL
S	EMERGENCY SHUTOFF. PROVIDE CLEAR PLASTIC COVER WITH SOUNDER
CR	CARD READER - INTERIOR
CE	CARD READER - EXTERIOR
M	MAGNETIC DOOR LOCK
KP	KEY PAD
DB	DOORBELL
DBB	DOORBELL BUTTON
W	WANDERGUARD CONTROLLED WITH DELAYED EGRESS
DR	DOOR RELEASE
AP	AT PHONE STATION
MS	MOTION SENSOR
DC	DOME CAMERA - WEATHER PROOF
W	WANDERGUARD
RE	REQUEST TO EXIT

NURSE'S CALL LEGEND	
NS	NURSE'S CALL, MASTER STATION
BS	NURSE'S CALL, BEDSIDE STATION, 3'-6" AFF., ONE STATION
ES	NURSE'S CALL, EMERGENCY STATION IN TOILET AND BATHS 3'-6" TO CENTERLINE, WATERPROOF
D	NURSE'S CALL, DOME LIGHT, MOUNT ON CEILING
DZ	ZONE NURSE'S CALL DOME LIGHT
LED	NURSE'S CALL, DIRECTIONAL LED LIGHT. ARROW TO INDICATE AREA OF PATIENT NEEDED.
VD	VISIBLE DUTY LIGHT

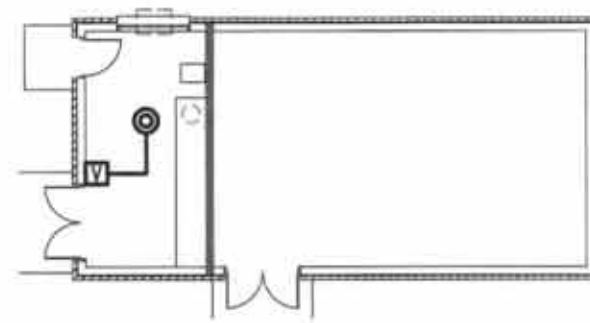
- NURSE CALL NOTES:**
- AUDIBLE SIGNAL AND VISIBLE DUTY LIGHT SHALL ACTIVATE AT NURSING STATION WHEN THE NURSE CALL SYSTEM ACTIVATES.
 - ALL EMERGENCY PULL STATION IN THE SHOWERS SHALL BE WATERPROOF.
 - VISIBLE DUTY LIGHT SHALL BE CONNECTED TO THE NURSE CALL PANEL AND SHALL ACTIVATE WHEN NURSE CALL SIGNALS ARE ACTIVATED.
 - PUSH BUTTON SHALL ACTIVATE LIGHT SOUNDER AT NURSE'S STATION AND LIGHT 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.
 - NURSE CALL SYSTEM SHALL BE HARD WIRED.
 - 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.

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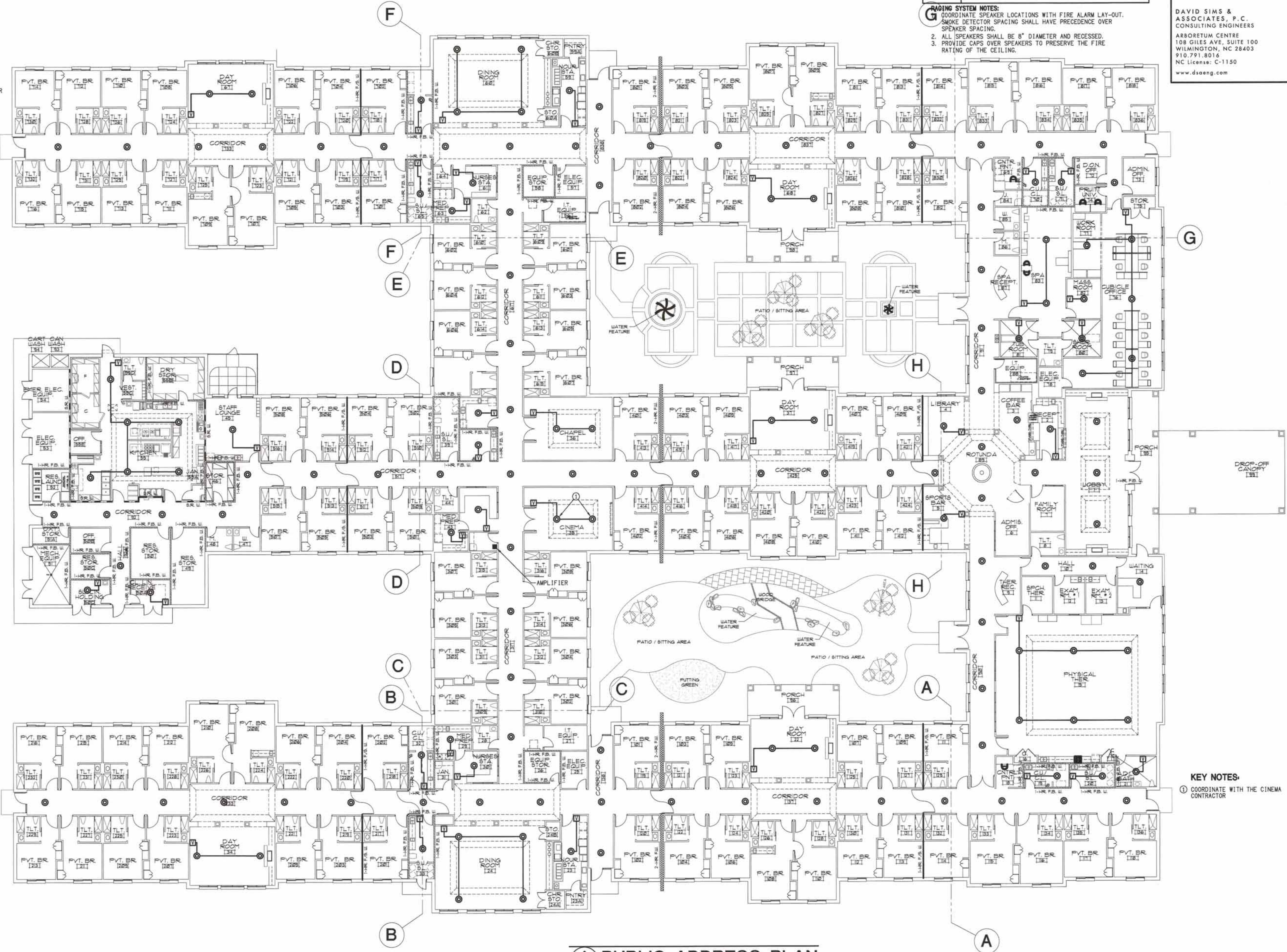
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C P/A SYSTEM RISER
E24 SCALE: NTS



B MAINTENANCE BUILDING
E24 SCALE: 1/16" = 1'-0"



A PUBLIC ADDRESS PLAN
E24 SCALE: 1/16" = 1'-0"

PAGING LEGEND	
SYMBOL	DESCRIPTION
○	P. A. SYSTEM WIRING
□	PAGING SPEAKER ASSEMBLY - RECESSED
■	VOLUME CONTROL
■	AMPLIFIER

PAGING SYSTEM NOTES:

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

KEY NOTES:

1. COORDINATE WITH THE CINEMA CONTRACTOR

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