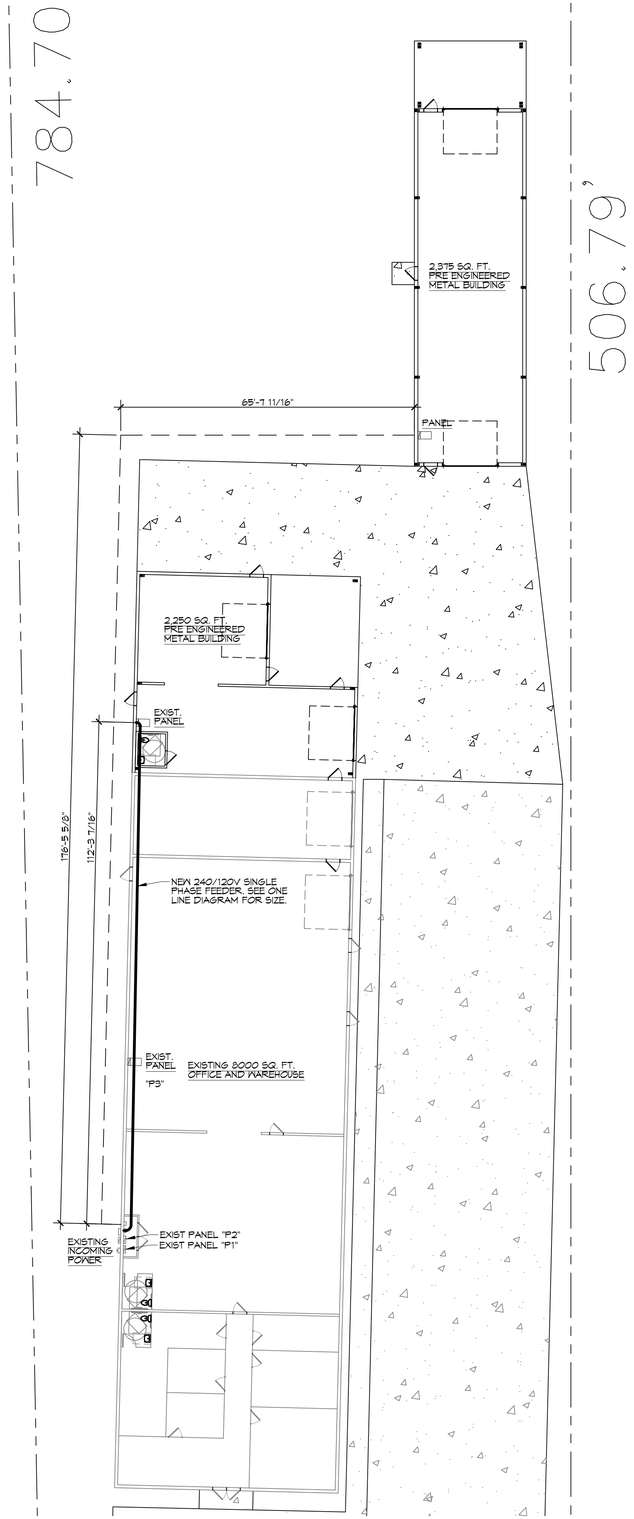
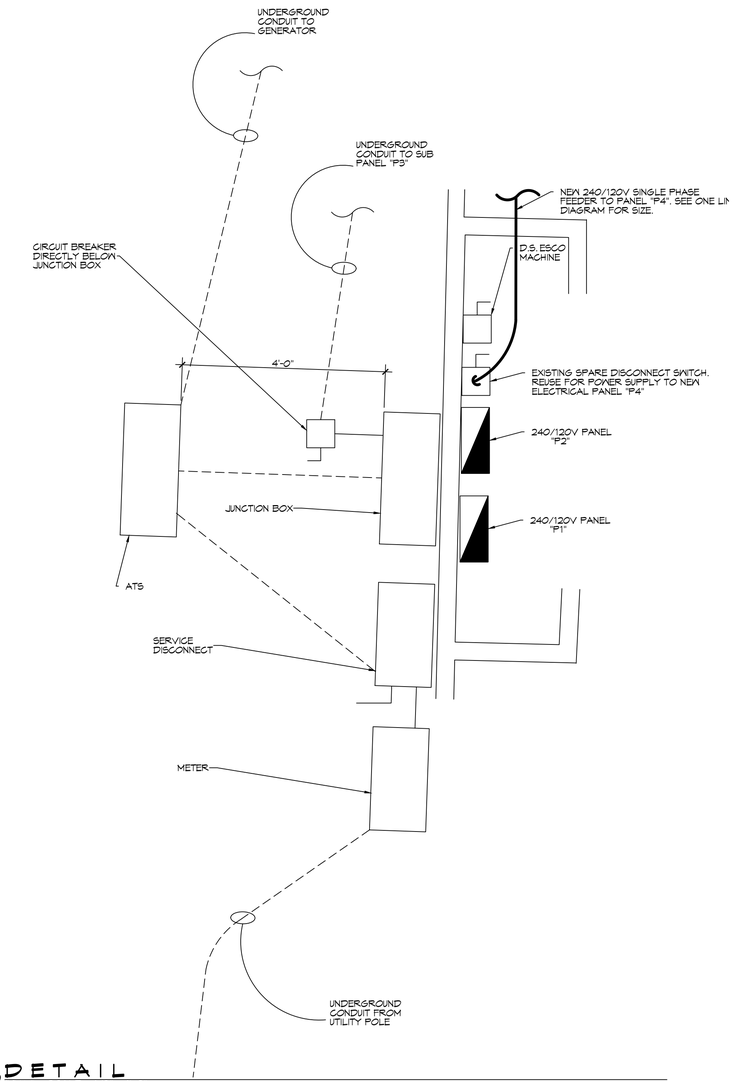
DLE AMEC - J:\--- Office Warehouse\2408 - Ely Store, 429 South Street, Slidell\Drawings\Current Drawings\E101 - Power Schedules, RCP, DATE & EMC - Tuesday, August 12, 2025 8:51:40 AM



25 SITE UTILITY
SCALE: 1/16"=1'-0"



26 DETAIL
SCALE: SCALE - 1/8" = 1'-0"

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Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW WAREHOUSE
SEC-SPECIALITY ENHANCED IMAGING
429 SOUTH STREET
SLIDELL, LA 70460

JOB No:	2498	DATE:	07-24-2025
DRAWN BY:	CKD	CHECKED BY:	BAM

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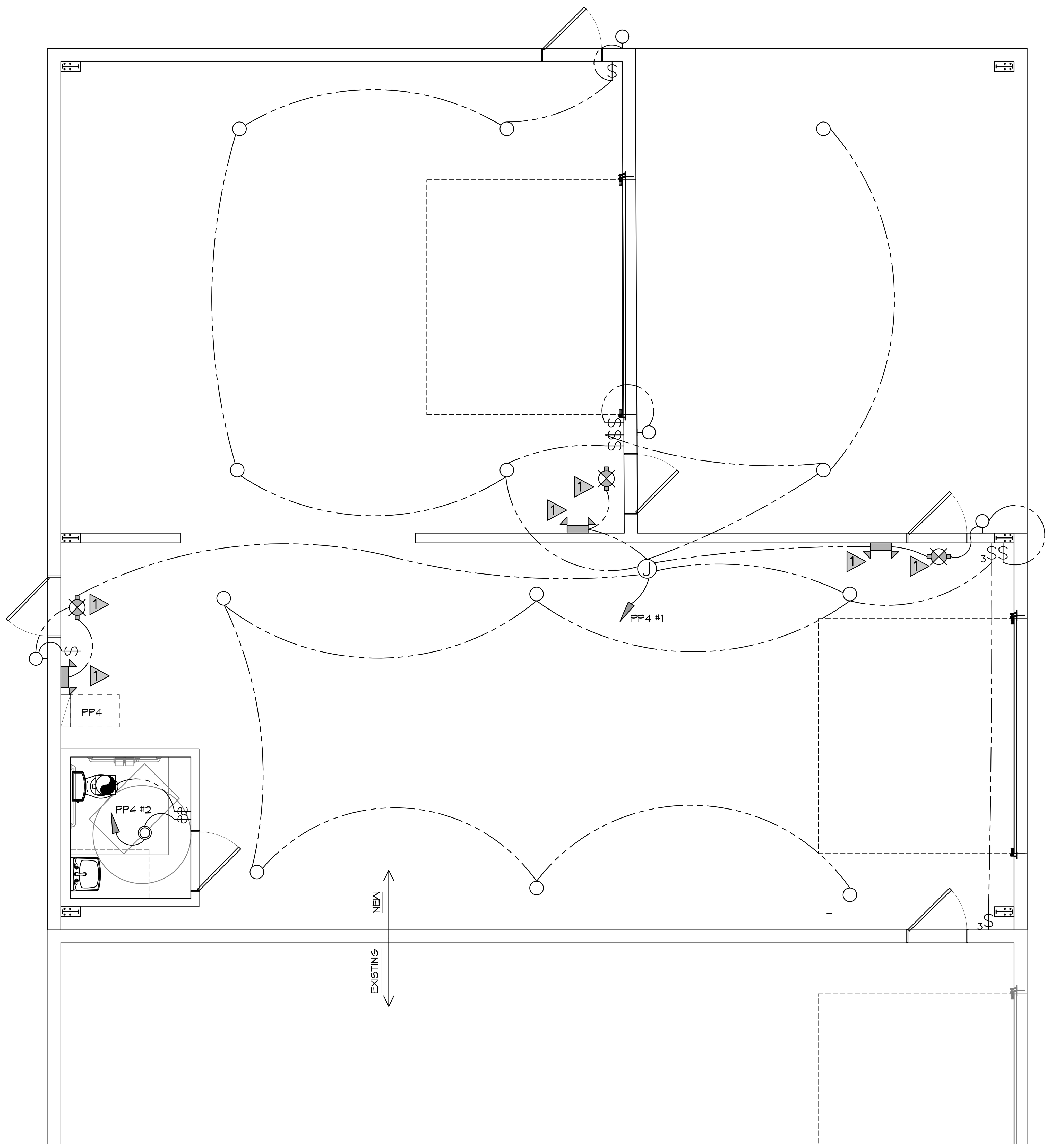
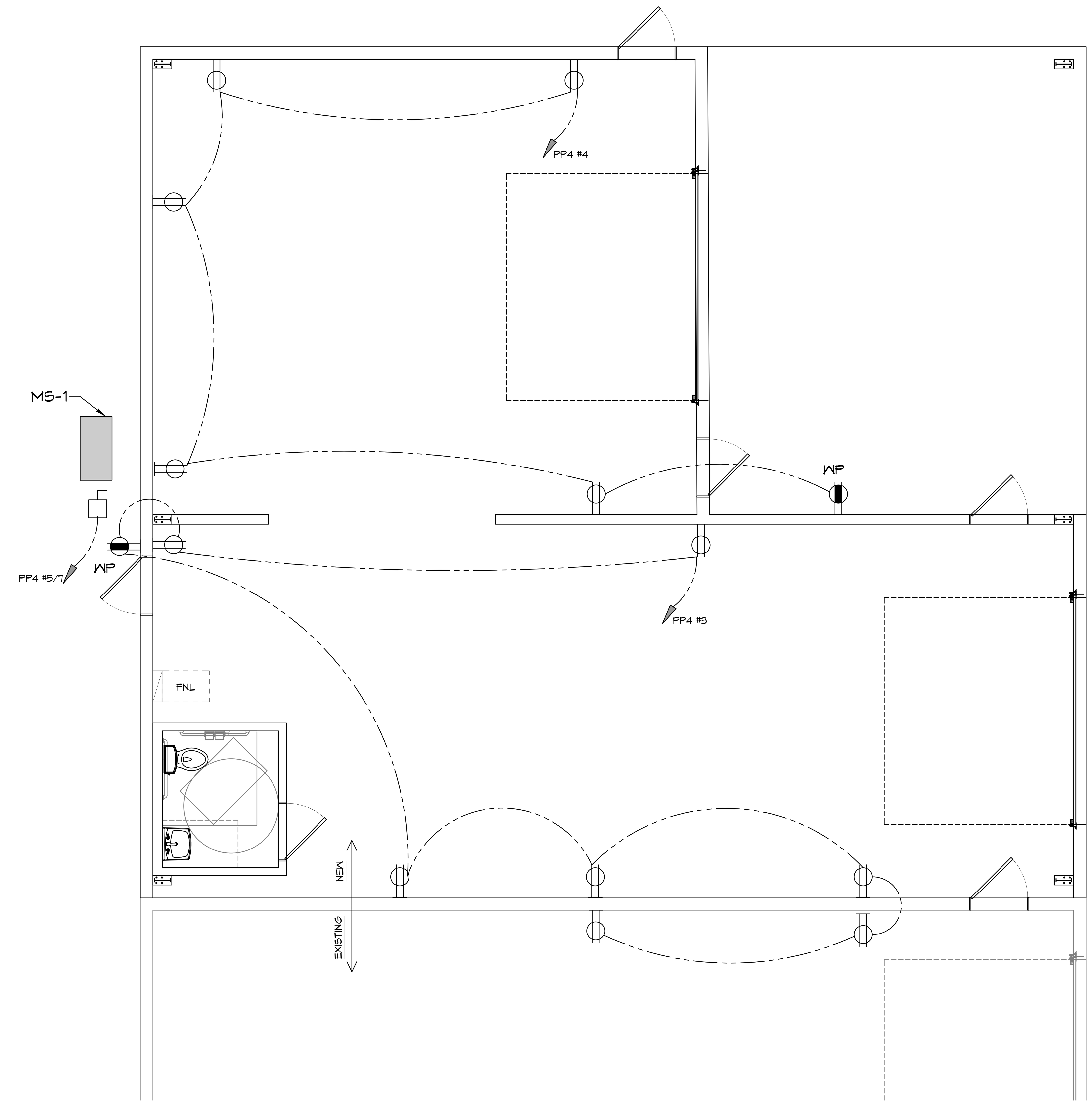
SHEET TITLE:
POWER PLAN

DRAWING NUMBER:
E101

SHEET No: 5 of 11



21 WAREHOUSE ADDITION LIGHTING
SCALE: 1/4"=1'0" PARTIAL PLAN



22 WAREHOUSE ADDITION POWER
SCALE: 1/4"=1'0" PARTIAL PLAN

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#	DESCRIPTION	REVISIONS	DATE

SEAL:

NEW WAREHOUSE
SEC-SPECIALITY ENHANCED IMAGING
429 SOUTH STREET
SLIDELL, LA 70460

JOB No: 2498	DATE: 07-24-2025
DRAWN BY: TNT	CHECKED BY: CKD

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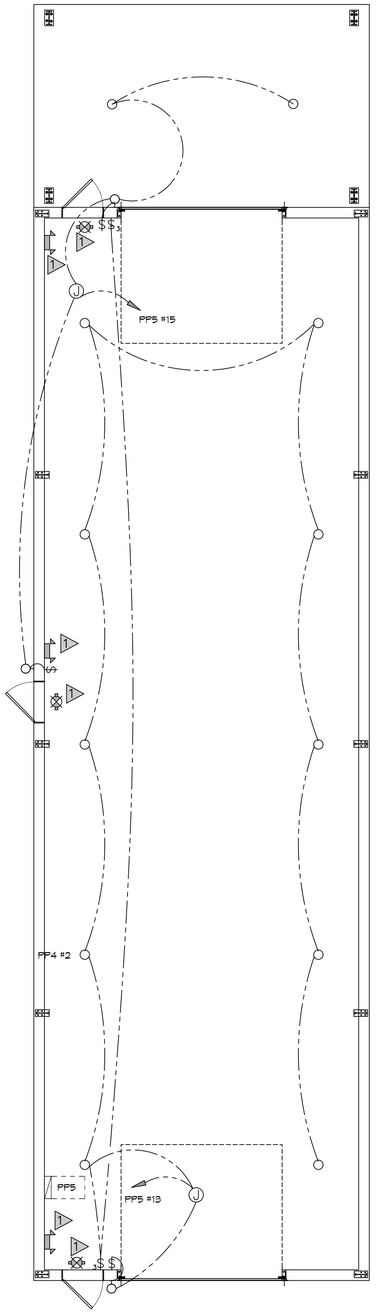
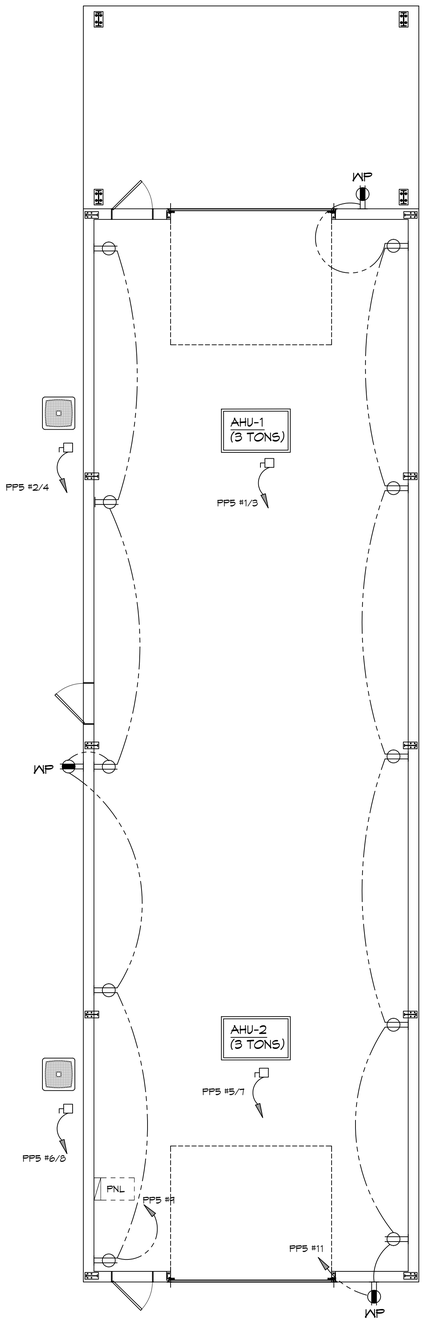
SHEET TITLE:
WAREHOUSE ADDITION LIGHTING AND POWER

DRAWING NUMBER:
E102



23 NEW WAREHOUSE LIGHTING
SCALE: 3/16"=1'0"



24 NEW WAREHOUSE POWER
SCALE: 3/16"=1'0"

GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
8. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
9. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE ¾" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, ¾" RIGID ALUMINUM FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC, BURIED A MINIMUM OF 18" FOR NON-VEHICLUAR TRAFFIC AREAS, FOR CONDUITS BELOW GRADE . EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
10. DROP/SUSPENDED CEILINGS - ALL WIRING ABOVE DROP/SUSPENDED CEILINGS SHALL BE PROTECTED FROM PHYSICAL DAMAGE WITH EMT, IN METAL STUD CONSTRUCTION, OR SCHEDULE 40 PVC, IN WOOD FRAME CONSTRUCTION. 6 FT LENGTH OF MC CABLE FOR EQUIPMENT WHIP(S) IS ALLOWED ABOVE DROPPED CEILING FROM A J-BOX TO LIGHT FIXTURES.
11. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
12. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF. ALL RECEPTACLES IN A KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
19. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

GENERAL LIGHTING NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES, RULES, REGULATIONS, AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
2. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONFLICTS OCCUR BETWEEN LIGHTING AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
4. WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
5. ALL CONDUCTORS SHALL BE A MINIMUM OF #12 AWG UNLESS NOTED OTHERWISE.
6. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
7. ALL CONDUCTORS SHALL BE COPPER.
8. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
9. MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
10. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANGED BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
11. EACH DIMMER SWITCH SHALL HAVE A WATTAGE RATING 25% HIGHER THAN THE TOTAL WATTAGE OF AL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 600, 1000, 1500, AND 2000 WATTS, LUTRON NOVA T-STAR. WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR. FLUORESCENT AND LOW VOLTAGE DIMMERS SHALL BE LUTRON NOVA T-STAR.
12. ALL EMERGENCY EXIT LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
13. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.73G.
14. TYPES NM AND NMC CABLES SHALL NOT BE PERMITTED TO BE EXPOSED IN DROPPED OR SUSPENDED CEILINGS.

LEGEND

	8' LIGHT FIXTURE
	EXTERIOR LIGHT FIXTURE
	CEILING MOUNTED EXIT SIGN
	WALL MOUNTED EMERGENCY LIGHT
$	SINGLE POLE LIGHT SWITCH
3$	3-WAY LIGHT SWITCH
J	JUNCTION BOX
	DUPLEX RECEPTACLE
WP	GFCI WEATHER PROOF DUPLEX RECEPTACLE

LIGHTING KEY NOTES

1 PROVIDE CONNECTION TO UN-SWITCHED HOT OF LIGHTING CIRCUIT AND SHALL HAVE 90 MINUTE EMERGENCY BATTERY BACKUP

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW WAREHOUSE
SEC-SPECIALITY
_IMAGING

425 SOUTH STREET
SLIDELL, LA 70460

JOB No:	2490
DRAWN BY:	TNT
DATE:	07-24-2025
CHECKED BY:	CKD

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SHEET TITLE:
NEW WAREHOUSE LIGHTING & POWER PLAN

DRAWING NUMBER:
E103

SHEET No: 11 of 11

FILE NAME: J:\...Office Projects\2490 - Big Stack 425 South Street Slidell\Drawings\Current Drawings\2490 - Power Lighting Plans.dwg PLOT DATE & TIME: Tuesday, August 12, 2025 8:58:32 AM

FILE NAME: J:\1 Office Warehouse\2498 - Big Shot\ 425 South Street Slidell\Drawings\Current Drawings\E104 - Schedules.dwg PLOT DATE & TIME: Tuesday, August 12, 2025, 9:14:21 AM

PANEL SCHEDULE

PANEL: P1
LOCATION: ELECTRICAL CLOSET
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120V, SINGLE PHASE, W 200A MCB
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR MURRAY TYPE LC LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ BΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		AIR CONDITIONER	60	2	5000		5000	2	60	HEAT		2
3					5000		5000					4
5		RECEPT	20	1	500		5000	2	60	HEAT		6
7		RECEPT	20	1	500		5000					8
9		RECEPT	20	1	500		200	1	20	EMER LIGHT		10
11		RECEPT	20	1	500		500	1	20	LIGHT		12
13		REFRIG	20	1	500		500	1	20	LIGHT		14
15		LIGHTS	20	1	500		500	1	20	LIGHT		16
17		LIGHTS	20	1	500		500	1	20	LIGHT		18
19		LIGHTS	20	1	500		500	1	20	RECEPT		20
21		ORCA 64	40	2	3500		500	1	20	RECEPT		22
23					3500		500	1	20	LIGHT		24
25		100KW BATTERY CHARGER	15	1	1000		500	1	20	15.T.		26
27		OFF 2 PANEL	60	2	3000		500	2	20	WATER HEATER		28
29					3000		500					30
31												32

SOLID NEUTRAL NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) = 53,200
AΦ = 27,200 BΦ = 21,000
GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P2
LOCATION: ELECTRICAL CLOSET
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120V, SINGLE PHASE, W 200A MCB
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR MURRAY TYPE LC LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ BΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		AIR COMP	60	2	5000		5000	2	60	WELDER		2
3					5000		5000					4
5		DISCONNECT COMP.	50	2	4000		500	1	20	RECEPT		6
7					4000		500	1	20	RECEPT		8
9		RECEPT	20	1	500		500	1	20	E. WALL PRINTER		10
11		SHOP LIGHT	20	1	500		500	1	20	LASER VENT FAN		12
13		LIGHT	20	1	500		500	1	20	RECEPT		14
15		SPARE	20	1	0		1000	1	20	HOT WATER		16
17		RECEPT	20	1	500		5000	2	60	AHU		18
19		SUB PANEL ON THE WALL TO THE LEFT	50	2	2000		5000					20
21					2000		500	1	20	EXHAUST FAN		22
23		MAIN HOUSE DOOR	20	1	500		0	2	20	TV'S6		24
25		ROLAND PRINT MACHINE	30	1	500		0					26
27		BUCK BOOST TRANSFORMERS ON RIGHT	40	2	3000		3000	2	40	UNKNOWN		28
29					3000		3000					30
31												32

SOLID NEUTRAL NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) = 60,100
AΦ = 31,000 BΦ = 30,000
GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP3
LOCATION: WEST WALL CENTER
FEEDER SOURCE: UTILITY
VOLTAGE: 408/120V, 200A,3Φ, 4W W/MLO
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ BΦ CΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		A/C	60	3	3500		3500					2
3					3500		3500	3	60	A/C		4
5					3500		3500					6
7		SPACE					500	3	20	CORD REELS		8
9		HIGH LEG					3000	3	50	WELDER		10
11		FILM LAM	40	3	2000		3000					12
13					2000					SPACE		14
15		HIGH LEG								HIGH LEG		16
17		COMP	60	3	2000					SPACE		18
19					2000					SPACE		20
21					2000					HIGH LEG		22
23		DRYER	20	1	500					SPACE		24
25		GFI	20	1	500		500	1	20	LIGHTS		26
27		HIGH LEG								HIGH LEG		28
29		GFI	20	1	500		500	1	20	LIGHTS		30
31		OUTSIDE LIGHTS	20	1	500		500	1	20	LIGHTS		32
33		HIGH LEG								HIGH LEG		34
35		GFI / EMER	20	1	500		200	1	20	DOOR OPENER		36
37		GFI	20	1	500			1	20	SPARE		38
39		HIGH LEG								HIGH LEG		40
41		DOOR OPENER	20	1	200			1	20	SPARE		42

SOLID NEUTRAL NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) =42,200
AΦ = 14,000 BΦ = 12,000 CΦ = 16,200
GROUND BUS GROUND WIRE (G)

EXISTING PANELS

PANEL SCHEDULE

PANEL: P4
LOCATION: WEST WALL, NORTH
FEEDER SOURCE: DISCONNECT SWITCH IN ELECTRICAL CLOSET
VOLTAGE: 240/120, 100A, SINGLE PHASE, W/ MLO
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ CΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	LIGHTS	20	1	700		1080	1	20	RECEPTACLES ROOM TO THE NORTH	#12	2
3	#12	LIGHTS AND EXHAUST FAN RESTROOM	20	1	900		1440	1	20	RECEPTACLES THIS ROOM AND OUTSIDE NEAR A/C UNIT	#12	4
5	#12	MS-1, MINI SPLIT, NORTH END	30	1	2200			1	20	SPARE		6
7					2200			1	20	SPARE		8
9		SPACE								SPACE		10
11		SPACE								SPACE		12

SOLID NEUTRAL NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) = 7920
AΦ = 3,980 BΦ = 3,940
GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P5
LOCATION: NEW WAREHOUSE
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120, 100A, SINGLE PHASE, W/ MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	AΦ BΦ	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#10	HVAC / FURNACE-1	30	1	1800		1400	1	20	EVAPORATOR-1	#12	2
3					1800		1400					4
5	#10	HVAC / FURNACE-2	20	1	1800		1400	1	20	EVAPORATOR-1	#12	6
7					1800		1400					8
9	#12	RECEPTCLES WEST SIDE	20	1	1080							10
11	#12	RECEPTACLES EAST SIDE	20	1	1080							12
13	#12	LIGHTS, INTERIOR	20	1	400							14
15	#12	LIGHTS, EXTERIOR	20	1	400							16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32

SOLID NEUTRAL NEUTRAL WIRE (N)
TOTAL CONNECTED LOAD (VA) =15,760
AΦ = 7,880 BΦ = 7,880
GROUND BUS GROUND WIRE (G)

NEW PANELS

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

NEW WAREHOUSE
SEC-SPECIALITY
EHANCED
_MAGING
425 SOUTH STREET
SLIDELL, LA 70460

JOB No: 2498
DRAWN BY: DD/JTL
DATE: 07-24-2025
CHECKED BY: BAM

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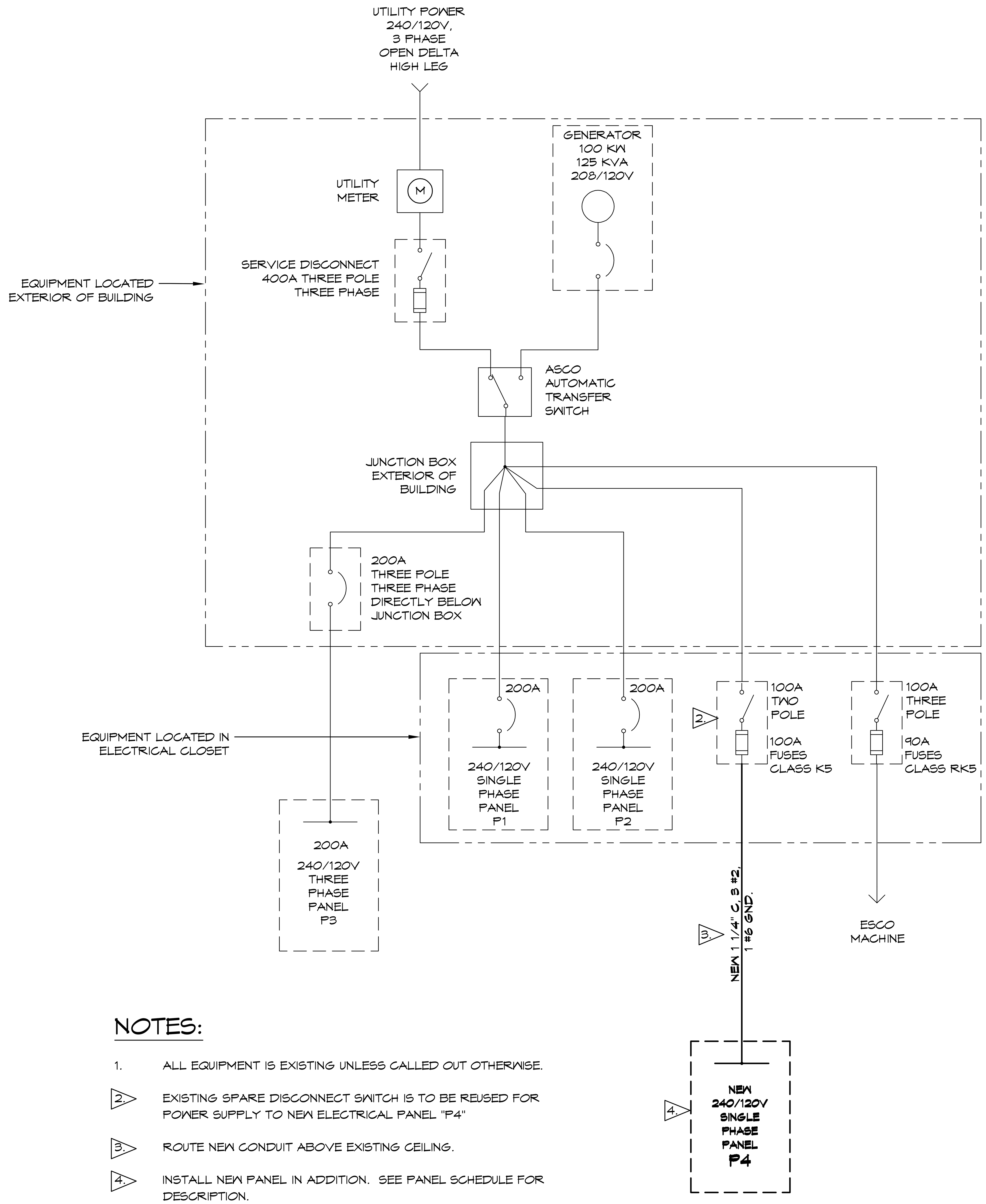
SHEET TITLE:
ELECTRICAL PANEL SCHEDULES, SECOND FLOOR

DRAWING NUMBER:
E104

SHEET No: 50 of 11



NOTES:

1. ALL EQUIPMENT IS EXISTING UNLESS CALLED OUT OTHERWISE.
2. EXISTING SPARE DISCONNECT SWITCH IS TO BE REUSED FOR POWER SUPPLY TO NEW ELECTRICAL PANEL "P4"
3. ROUTE NEW CONDUIT ABOVE EXISTING CEILING.
4. INSTALL NEW PANEL IN ADDITION. SEE PANEL SCHEDULE FOR DESCRIPTION.

ONE LINE DIAGRAM

NOTES:

1. MARK HIGH LEG WITH ORANGE TAPE PER NEC ART 230.56.
2. FIELD MARK PANEL AS FOLLOWS: "CAUTION B PHASE HAS 208 VOLTS TO GROUND" PER NEC ART 408.3 (F)

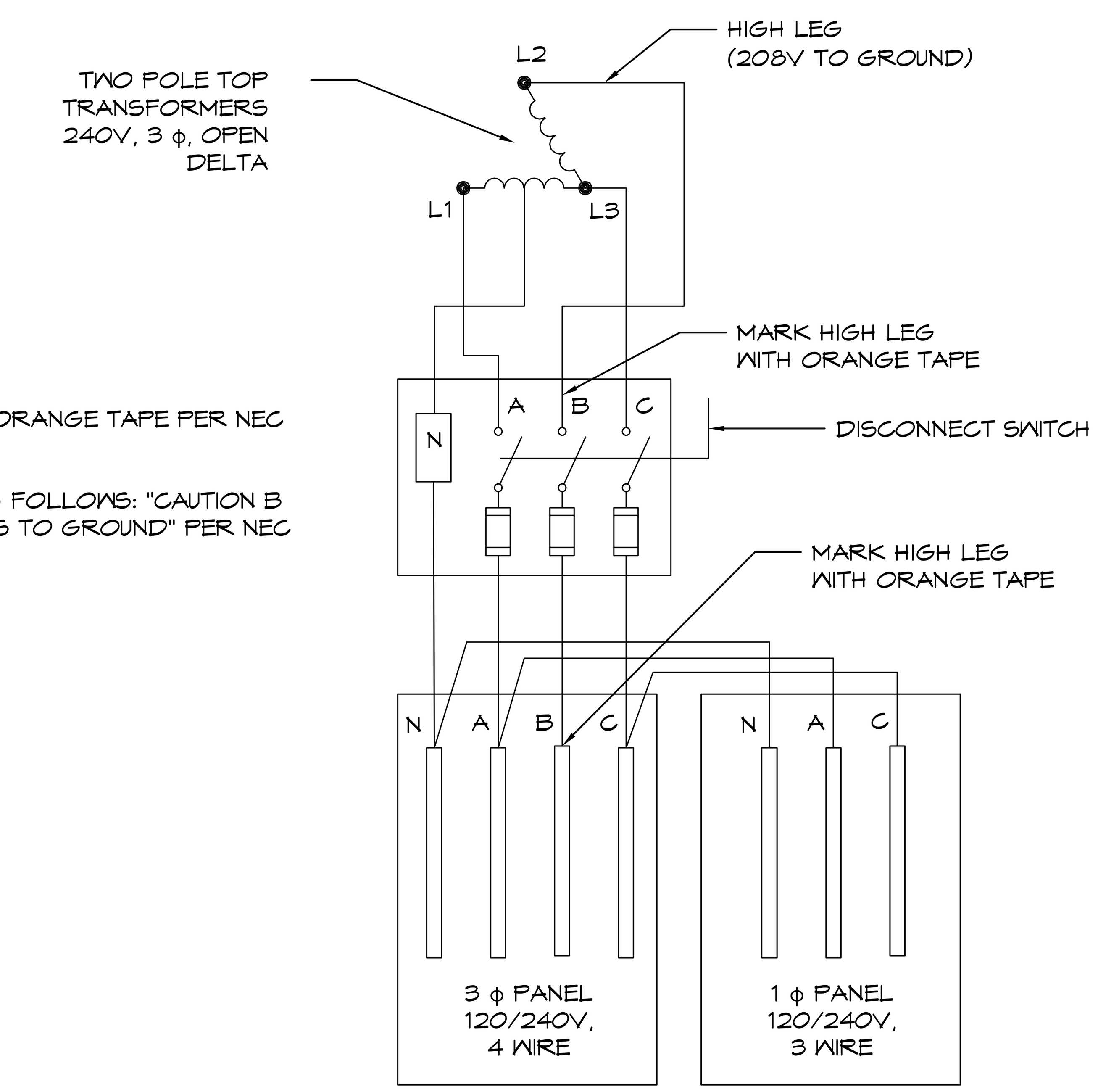


DIAGRAM DELTA HIGH LEG

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#	DESCRIPTION	REVISIONS	DATE

SEAL:

NEW WAREHOUSE
SEC-SPECIALITY
ENHANCED
IMAGING
429 SOUTH STREET
SLIDELL, LA 70460

JOB No: 2498 DATE: 07-24-2025
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SHEET TITLE:
ELECTRICAL ONE LINE DIAGRAM

DRAWING NUMBER:
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SHEET No: 50 of 11