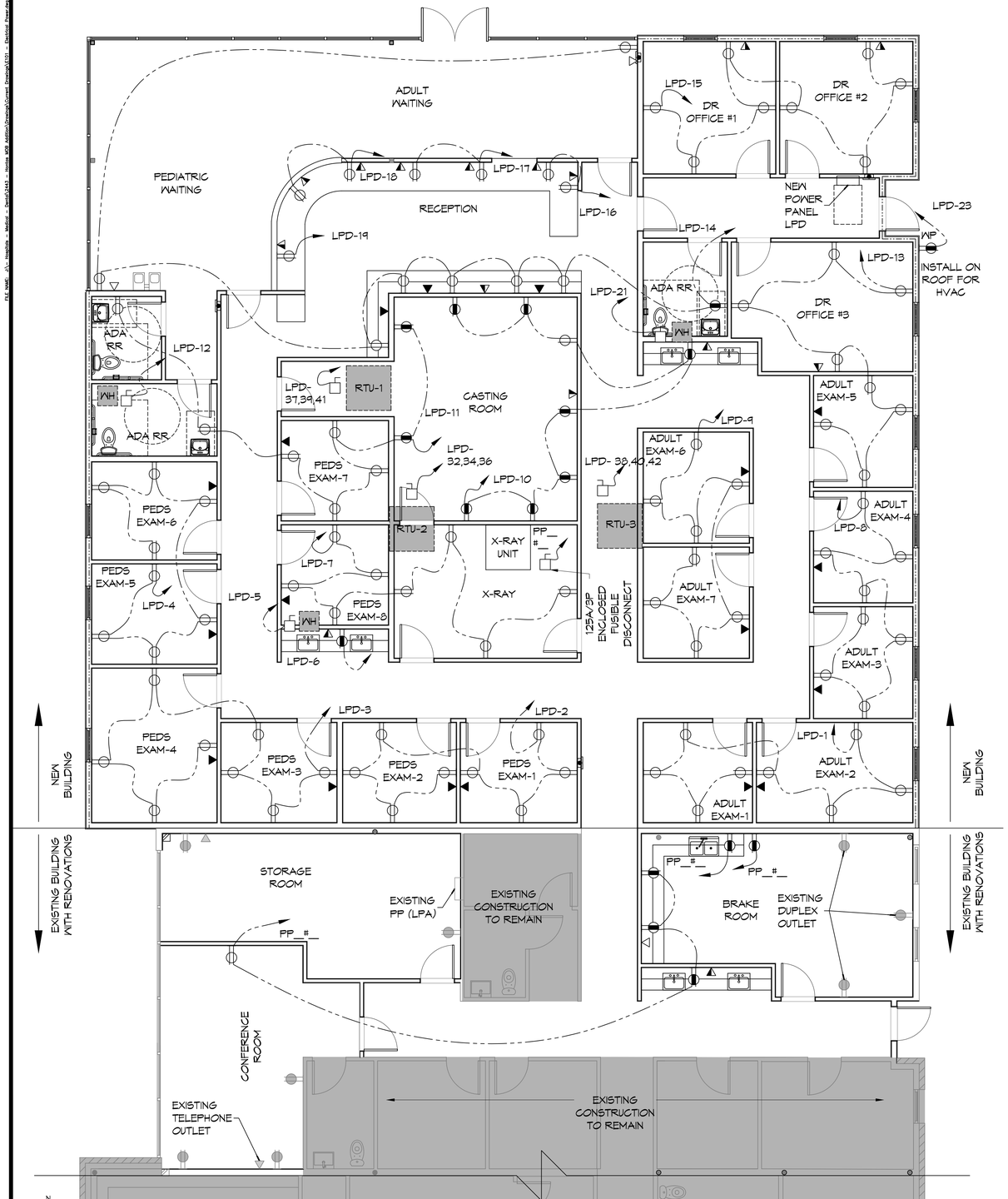
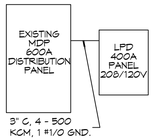


1 POWER PLAN
SCALE: 3/16"=1'-0"

POWER LEGEND

SYMB	
	STANDARD 120V DUPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
	GFCI DUPLEX RECEPTACLE
WP	WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
	FUSED DISCONNECT, FUSE PER MANUFACTURER'S RECOMMENDATIONS.
	TELEPHONE OUTLET
	DATA AND TELEPHONE OUTLET
	DATA OUTLET
	EXISTING TELEPHONE OUTLET
	EXISTING DUPLEX OUTLET
	HOME RUN
WH	TANKLESS WATER HEATER
	2 HOUR FIRE RATED WALL



ONE LINE DIAGRAM
SCALE: N.T.S.

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 SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. 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.
9. 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.
10. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE ¾" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, ¾" SCHEDULE 80 PVC FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC FOR EXTERIOR USE BELOW GRADE, BURIED A MINIMUM OF 18" FOR NON-VEHICLUAR TRAFFIC AREAS AND 36" IN VEHICULAR TRAFFIC AREAS. EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES. USE NMC IN WOOD CONSTRUCTION. 6 FT LENGTH MC CABLE IS ALLOWED ABOVE DROPPED CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
11. CONTRACTOR SHALL INSTALL WIRING, CIRCUIT BREAKERS 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 THE KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-63, NFPA 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.
21. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL PROVIDE AN EFFECTIVE GROUND-FAULT CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM OR A MEDICAL GRADE MC CABLE (NEC ART. 517.13(A & B)).

PANEL SCHEDULE

PANEL: LPD
LOCATION:
FEEDER SOURCE: MDP

VOLTAGE: 208/120V, 400A, 3Ø, 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 (kva)	AØ	BØ	CØ	LOAD (kva)	BREAKER: POLE	BREAKER: AMP	LOAD DESCRIPTION: LOCATION	THHN WIRE SIZE	CKT NO
1	12	OUTLETS	20	1	1.4				1.4	1	20	OUTLETS	12	2
3	12	OUTLETS	20	1	1.4				1.4	1	20	OUTLETS	12	4
5	10	INSTANT WATER HEATER	30	1	3.4				0.1	1	20	OUTLETS	12	6
7	12	OUTLETS	20	1	1.4				1.4	1	20	OUTLETS	12	8
9	12	OUTLETS	20	1	1.4				1.4	1	20	OUTLETS	12	10
11	12	OUTLETS	20	1	1.4				3.4	1	30	INSTANT WATER HEATER	10	12
13	12	OUTLETS	20	1	1.4				1.4	1	20	OUTLETS	12	14
15	12	OUTLETS	20	1	1.4				0.4	1	20	OUTLETS	12	16
17	12	OUTLETS	20	1	0.4				0.4	1	20	OUTLETS	12	18
19	12	OUTLETS	20	1	0.4					1	20	SPARE		20
21	10	INSTANT WATER HEATER	30	1	3.4					1	20	SPARE		22
23	12	OUTLETS	20	1	0.1				1.3	1	20	LIGHTS	12	24
25	12	LIGHTS	20	1	1.1				1.3	1	20	LIGHTS	12	26
27		SPARE	20	1						1	20	SPARE		28
29		SPARE	20	1						1	20	SPARE		30
31	-	X-RAY POWER PANEL	125	3	13.3				3.5	3	40	RTU 2 MATCH BREAKER TO UNIT INSTALLED	-	32
33					13.3				3.5					34
35					13.3				3.5					36
37	-	RTU 1 MATCH BREAKER TO UNIT INSTALLED	60	3	6.4				3.5	3	40	RTU 3 MATCH BREAKER TO UNIT INSTALLED	-	38
39					6.4				3.5					40
41					6.4				3.5					42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (kva) = 112.6

AØ = 37.9 | BØ = 37.5 | CØ = 37.2

GROUND BUS

PANEL SCHEDULE
SCALE: N.T.S.

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PH: 985.649.3932
Chief Engineer: Brian Mistich, PE
534 Old Spanish Trail
Slidell, LA 70458

#	DESCRIPTION	DATE

REVISIONS

SEAL:

BID SET NOT FOR CONSTRUCTION

NEW ADDITION
HONTAS MOB
71211 LA HWY 21
COVINGTON, LA 70433

JOB No: 2443 | DATE: 10-20-2021
DRAWN BY: | CHECKED BY:

SHEET TITLE:
POWER PLAN

DRAWING NUMBER:
E101

SHEET No: 14 of 16