LEGEND

SYMB	DESCRIPTION
(duplex receptacle)	STANDARD 120V DUPLEX RECEPTACLE, NEMA 5-2 OR 18" AFF (UNLESS OTHERWISE NOTED)
(WP GFCI receptacle)	WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 30" AFF (UNLESS OTHERWISE NOTED)
(disconnect)	POWER DISCONNECT
(strip fixture)	CEILING MOUNT FLUORESCENT STRIP FIXTURE (2 BULB 64W TOTAL)
(exit light)	EXIT LIGHT FIXTURE - WALL MOUNTED (10W)
(emergency light)	EMERGENCY LIGHT FIXTURE (12W)
(condenser)	AIR CONDITIONING CONDENSER UNIT ON CONCRETE PAD.

GENERAL ELEC POWER NOTES

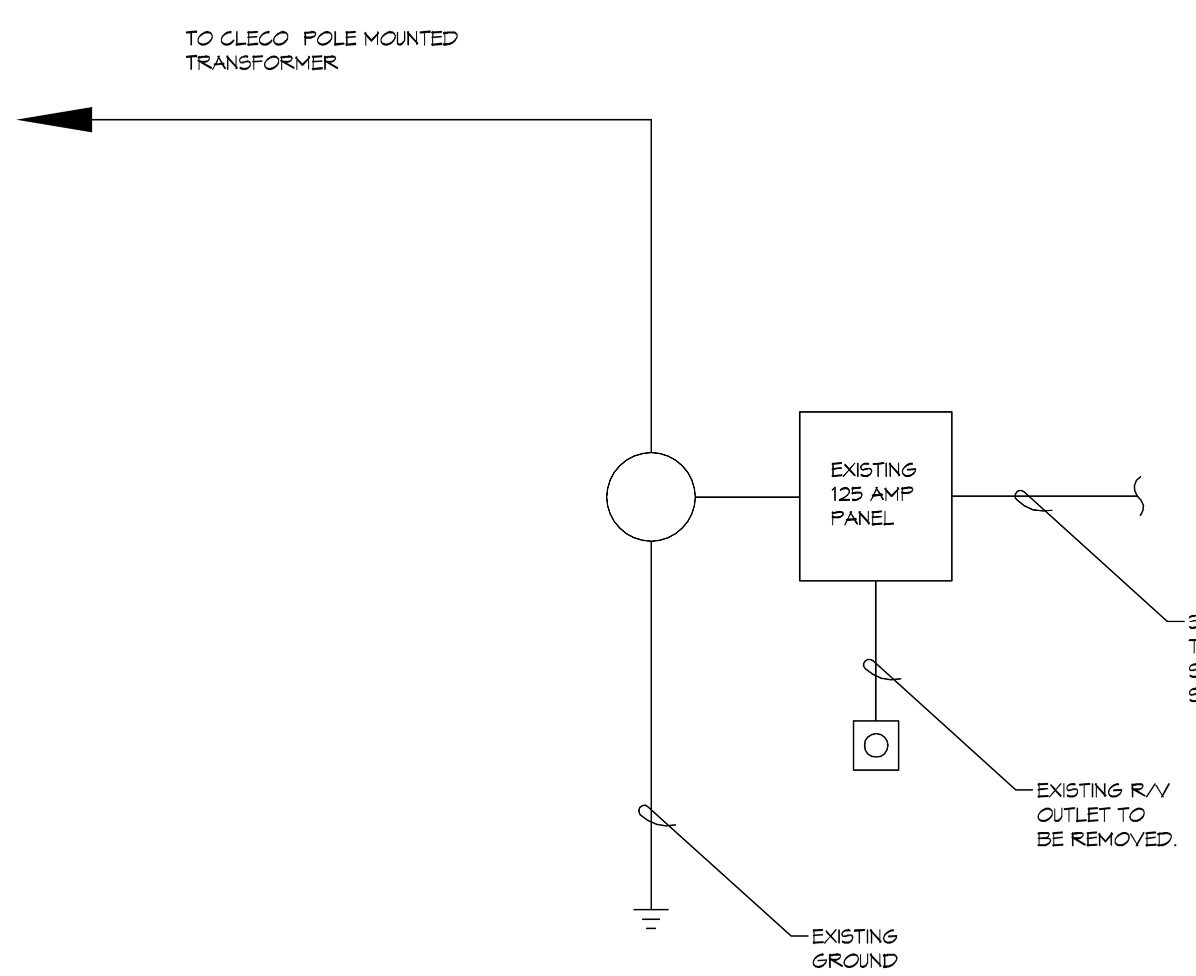
1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT 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. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
9. 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.
10. 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.
11. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE NON-METALLIC CABLE (NMC) CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS IN WOOD FRAME CONSTRUCTION AREAS ONLY; IN STEEL FRAMING AREAS THE USE OF EMT (MINIMUM) IS REQUIRED; EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE STAMPED BOXES.
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-230.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. 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.
18. 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.)
19. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

PANEL SCHEDULE

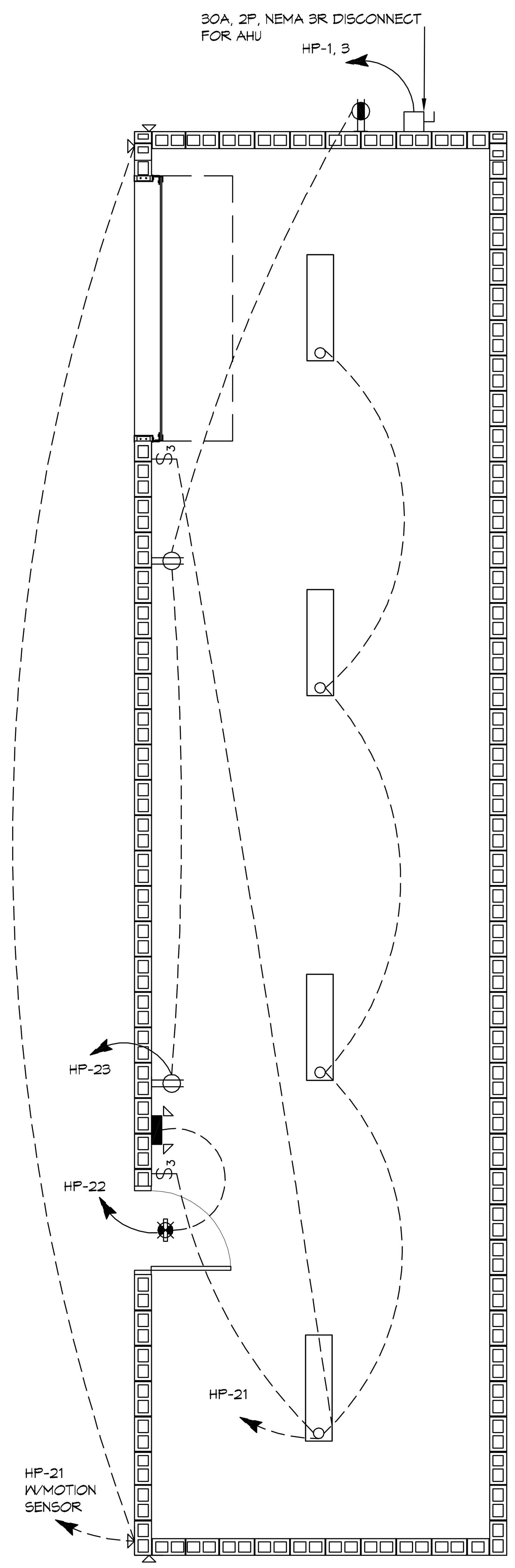
PANEL: EXISTING HP — VOLTAGE: 120/240V, 125A, 1Φ, 3W
LOCATION: EXTERIOR WALL BY METER — ENCLOSURE: FLUSH MOUNTED
FEEDER SOURCE: CLECO

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, 3	#6	MINI SPLIT	20	2				2	30	FURNACE	-	2, 4
5, 7	-	A C CONDENSOR	40	2				2	30	HVAC	-	6, 8
9	-	HOT WATER HEATER	20	1				1	20	COFFEE OUTLET	-	10
11	-	UTILITY ROOM OUTLETS	20	1				1	20	VENDING MACHINE OUTLET	-	12
13	-	OFFICE #2	20	1				1	20	LIGHTING OUTLETS	-	14
15	-	OFFICE #3	20	1				1	20	WAITING AREA OUTLETS	-	16
17	-	BATH ROOM/GFCI	20	1				1	20	OFFICE #1	-	18
19	-	SPARE/CONNECTED	20	1				1	20	OFFICE #4	-	20
21	#12	STORAGE - LIGHTS	20	1				1	20	STORAGE - EXIT LIGHTS	#12	22
23	#12	STORAGE - OUTLETS	20	1				-	-	SPACE	-	24

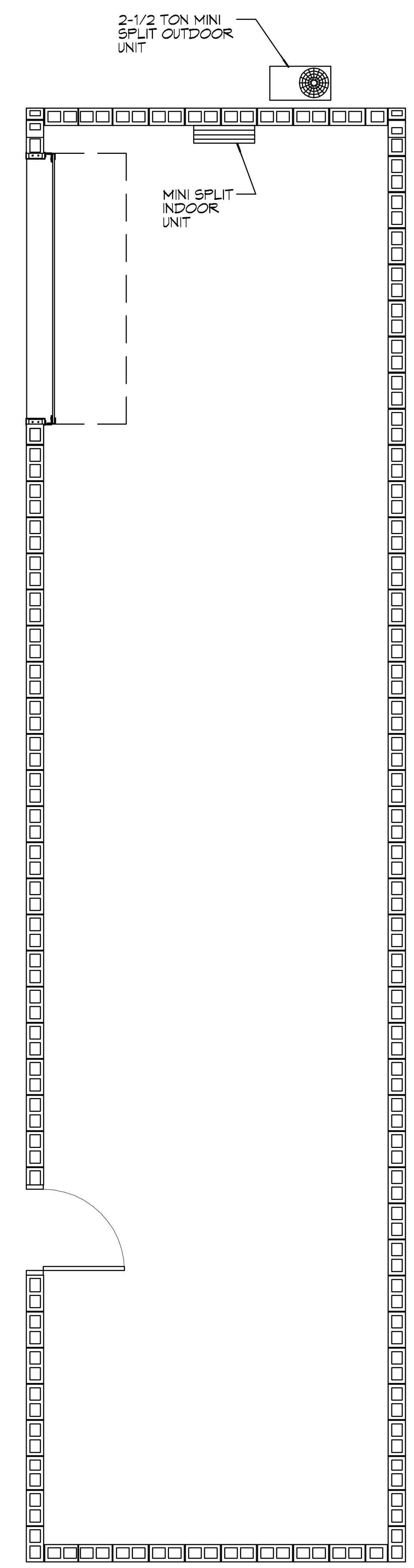
SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA) = — AΦ = — BΦ = — GROUND BUS GROUND WIRE (G)



1 ONE LINE DIAGRAM
SCALE: N.T.S.



2 LIGHTING/POWER PLAN
SCALE: 1/4"=1'-0"



3 MECHANICAL PLAN
SCALE: 1/4"=1'-0"

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832

#	DESCRIPTION	DATE
REVISIONS		

SEAL: STATE OF LOUISIANA — BRIAN A. MISTICH — License No. 30187 — PROFESSIONAL ENGINEER

STORAGE BUILDING
HELENE NUNEZ
2010 FIRST STREET
SLIDELL, LA 70458

JOB No: 2307 — DATE: 03/17/2011
DRAWN BY: CKD — CHECKED BY: BAM

SHEET TITLE: ELECTRICAL MECHANICAL PLAN

DRAWING NUMBER: E/M101

SHEET No: 5 of 5