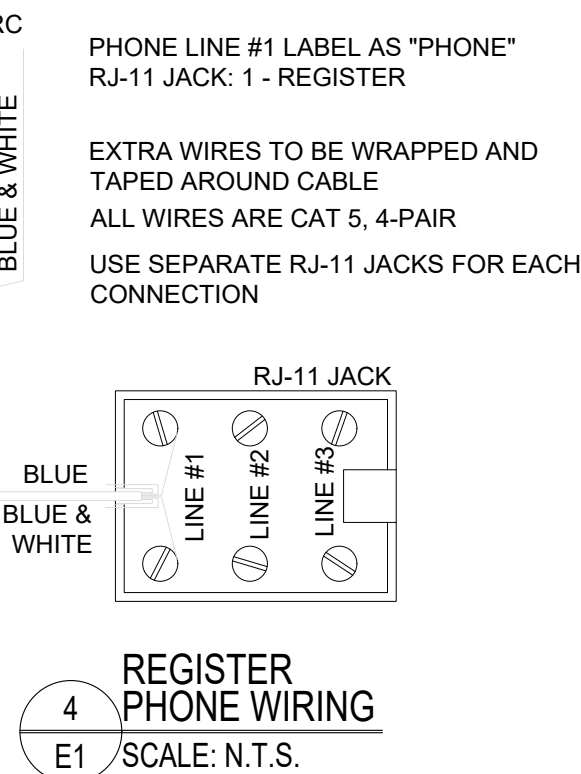


LEGEND	
SYMB	DESCRIPTION
	BUZZER (TORK TA725) WITH TRANSFORMER (TORK TA592)
	COMMERCIAL GRADE PUSH BUTTON
	125V NEMA 5-15R DUPLEX
	125V NEMA 5-15R QUAD
	125/250V NEMA L14-15-R 4-PRONG TWIST-LOCK
	DISCONNECT
	BLACK MAGIC POWER POLE
	PHONE JACK AT REGISTER
	RJ-11, RJ-45 DATA JACK, PHONE COMBO AT OFFICE
A/23	PANEL/CIRCUIT NUMBER
\$	20 AMP TOGGLE SWITCH
\$m	PROVIDE OCCUPANCY LIGHT SENSOR (LEVITON ODS10-IDW)
NL	NIGHT LIGHT CIRCUIT

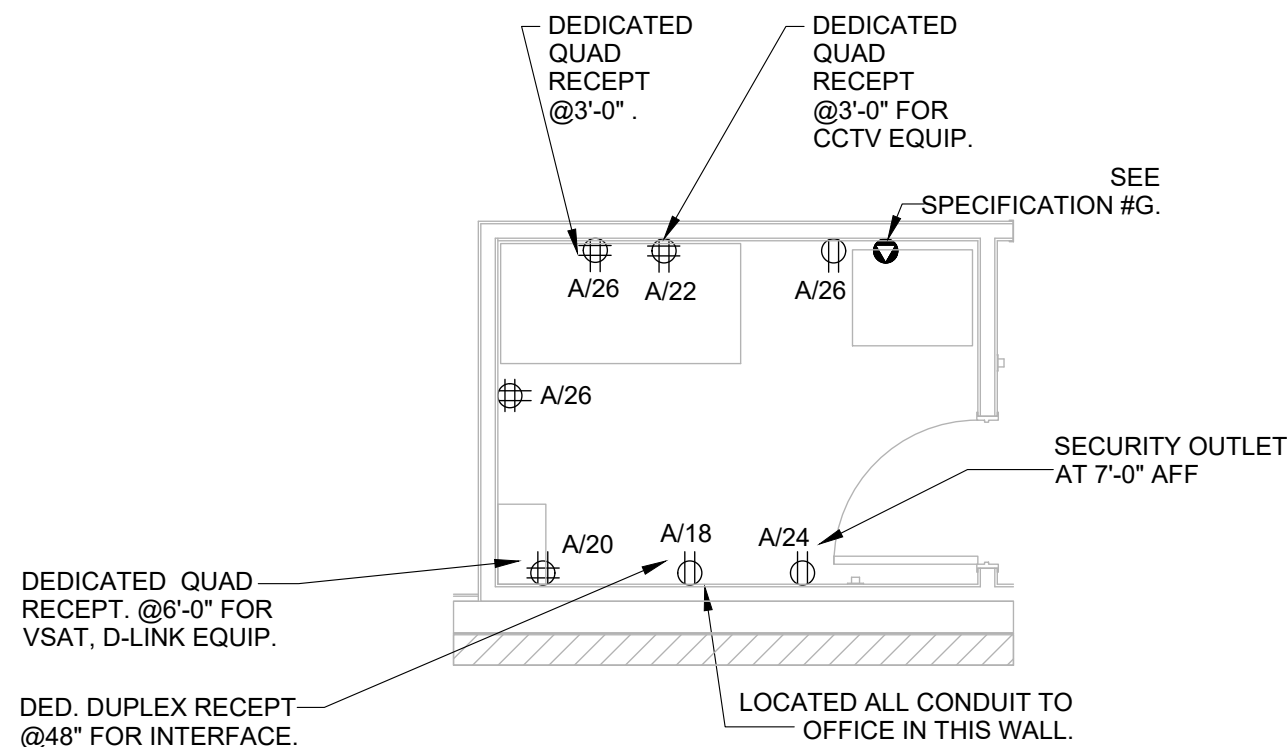
- ### ELECTRICAL SPECIFICATIONS
- A. ALL WIRING SHALL BE CONTAINED IN CONDUIT OF PROPER SIZE.
- B. ALL WIRING SHALL CONFORM TO LOCAL, STATE AND FEDERAL CODES.
- C. SERVICE IS TO BE A MINIMUM 400 AMP, 3 PHASE (PREFERRED), 600 AMP, 1 PHASE OR LARGER IF REQUIRED BY CODE OR ELECTRICAL LOAD.
- D. REQUIRED CUSTOM BUILT POWER POLE ASSEMBLIES AVAILABLE FROM D&P CUSTOM LIGHTS & PRODUCTS INC., PHONE: (800) 251-2200 OR (615) 350-7800, 7111 COCKRILL BEND INDUSTRIAL ROAD, NASHVILLE, TN 37209. SEE E3.1.
- E. EXTERIOR EXPOSED PHONE LINES TO BE INSTALLED IN RIGID CONDUIT. PROVIDE EMERSON 3/4" X 5-FT. METALLIC CABLE U-GUARD #755, OR EQUAL.
- F. ELECTRICAL PANEL TO BE LABELED CORRECTLY WITH LEGIBLE PRINT.
- G. LOW VOLTAGE VENDOR TO PROVIDE AND INSTALL ONE (1) 24 GA., 4 TWISTED-PAIR, CATEGORY-FIVE (CAT5) DATA CABLE WITH MODULAR COMBO RJ-11/RJ-45 JACK AT MANAGER'S OFFICE. CABLE TO BE RUN FROM JACK TO DATA HUB LOCATION WITH 6'-0" LEFT COILED FOR INSTALLATION TO DATA HUB. A RJ-45 MALE FITTING SHOULD BE CRIMPED ON THIS END. DOLLAR GENERAL STORE OPENING TEAM WILL MAKE FINAL CONNECTION INTO THE DATA HUB.
- H. PROVIDE 1 1/2" EMT CONDUIT TO ACT AS ACCESS SLEEVE TO ALLOW PHONE COMPANY TO TERMINATE AT DMARC. CONTRACTOR TO PROVIDE AND INSTALL PHONE WIRING & RJ-11 PHONE JACK FOR COMPLETED WORKING SYSTEM PRIOR TO PHONE COMPANY FINAL HOOK UP.
- I. ALL 120 VOLT OUTDOOR RECEPTACLES TO HAVE "WET LOCATION - IN USE" COVERS.
- J. ALL CONDUCTORS TO BE COPPER, #12 AWG MINIMUM SIZE, OR AS REQUIRED BY LOAD AND OVER CURRENT PROTECTION.
- K. SEE EMS SHEETS EMS1 AND EMS2 FOR ENERGY MANAGEMENT SYMBOLS AND INFORMATION.
- L. ELECTRICIAN TO PROVIDE 1 1/2" CONDUIT WITH PULL STRINGS FOR SATELLITE LOCATION.
- M. ALL POWER AND DATA TO BE ROUTED OVERHEAD. UNDER SLAB NOT ALLOWED.
- N. WITHIN 30 DAYS OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING:
- N.A. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM.
- N.B. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
- O. OPERATING AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER, AND SHALL INCLUDE THE FOLLOWING AT A MINIMUM:
- O.A. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, EACH PIECE OF LIGHTING EQUIPMENT, AND ALL LIGHTING CONTROLS.
- O.B. OPERATIONS MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE AND EACH PIECE OF LIGHTING EQUIPMENT, REQUIRED ROUTINE MAINTENANCE, CLEANING, AND RELAMPING ACTIONS SHALL BE CLEARLY IDENTIFIED.
- O.C. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.
- O.D. A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.
- O.E. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
- P. A REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED IN ACCORDANCE WITH FBC C408.3.1.1-3.1.3. DOCUMENTATION SHALL BE PROVIDED TO THE BUILDING OWNER OR AUTHORIZED AGENT WITHIN 90 DAYS OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY. REPORT SHALL INCLUDE THE FOLLOWING:
- P.A. RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
- P.B. DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.



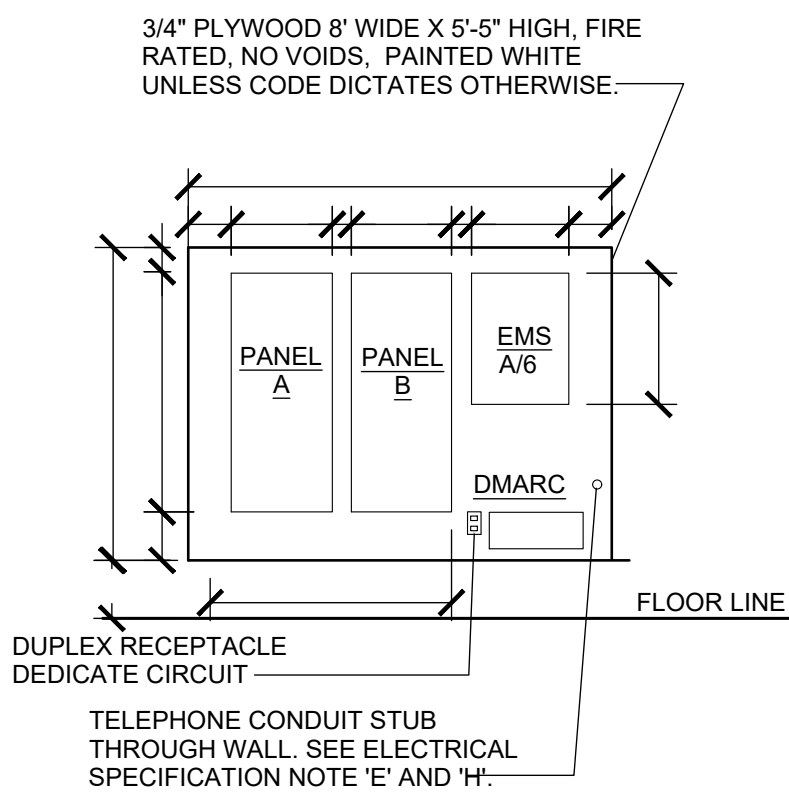
ELECTRICAL KEYED NOTES

- CONTROL STATION FOR STAND ALONE DUCT DETECTOR. ONE FOR EACH DEVICE. SEE KEY NOTE 5 ON THIS SHEET. SIMPLEX #4098-9842 IS SPECIFIED. WITH PIEZO AND LED INDICATOR
- MECHANICAL THERMOSTAT AT 8'-0" A.F.F.
- LOCATIONS SHOWN FOR MECHANICAL UNITS ARE ONLY APPROXIMATE. CONTRACTOR MUST CONSULT MECHANICAL OR STRUCTURAL DRAWINGS TO DETERMINE ACTUAL UNIT LOCATIONS. PROVIDE 1/2" PENETRATION THRU ROOF WITHIN FOOTPRINT OF UNIT FOR USE WITH CONTROL WIRING TO UNIT BY OTHERS. PROVIDE PROPER WATERSEAL. (TYPICAL)
- COORDINATE RECEPTACLE LOCATION WITH MECHANICAL.
- PHOTOELECTRIC DUCT DETECTOR WITH HOUSING. TIE TO LED READOUT RECESSED IN DUCT. STAND ALONE DEVICE. 120V. SIMPLEX #4098-9887 IS SPECIFIED WITH 4098-9842 CONTROL STATION. PROVIDE ONE DEVICE PER UNIT. MOUNT DEVICE IN SUPPLY AIR DUCTWORK. DEVICE SHALL BE PROVIDED AND WIRED TO THE CONTROL STATION BY THE ELECTRICAL CONTRACTOR. HIRE THE MECHANICAL CONTRACTOR FOR INSTALLATION IN DUCTWORK & CONNECTION TO SHUTDOWN CONTROLS. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED RELAYS AND 120V POWER. DO NOT POWER DUCT DETECTORS FROM HVAC UNIT LOW VOLTAGE. SUBMIT SHOP DRAWINGS FOR APPROVAL. PLACE ANY REQUIRED LABELING ON CEILING TILE DIRECTLY BELOW UNIT. RUN CONDUIT & WIRE UNDERGROUND FROM UNIT TO INSIDE OF SPACE.
- MOUNT DISCONNECT SWITCH AT UNIT. ALL DISCONNECTS TO BE HEAVY DUTY. FUSES TO BE RK-5 TYPE. BUSSMANN FRN-R (AMP) IS SPECIFIED. SEE EQUIPMENT SCHEDULE ON E3.
- PROVIDE 208V, 1 PHASE CONNECTION TO A J-BOX AT 100" AFF WITH (3)#12 CU. & #12 GROUND IN 3/4"C. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL 30A/2NF DISCONNECT SWITCH AND WIRE FROM DISCONNECT SWITCH TO EQUIPMENT CONNECTIONS.
- PROVIDE 208V, 1 PHASE CONNECTION TO A J-BOX AT 100" AFF WITH (3)#8 CU. & #10 GROUND IN 1"C. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL 60A/2NF DISCONNECT SWITCH AND WIRE FROM DISCONNECT SWITCH TO EQUIPMENT CONNECTIONS.
- PROVIDE 208V, 1 PHASE CONNECTION TO A J-BOX AT 100" AFF WITH (3)#10 CU. & #10 GROUND IN 3/4"C. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL 30A/2NF DISCONNECT SWITCH AND WIRE FROM DISCONNECT SWITCH TO EQUIPMENT CONNECTIONS.
- MOUNT J-BOX 11" FROM THE RIGHT SIDE OF EACH UNIT. CONFIRM EXACT LOCATION WITH REFRIGERATION VENDOR PRIOR TO WORK (TYPICAL).
- SO WHITE ELECTRICAL CORD IS NEEDED. SEE SHEET A1, NOTE 26.
- CONFIRM THE FINAL NUMBER AND LOCATION OF OUTLETS IN SALES AREA WITH THE FINAL DG FIXTURE PLAN.

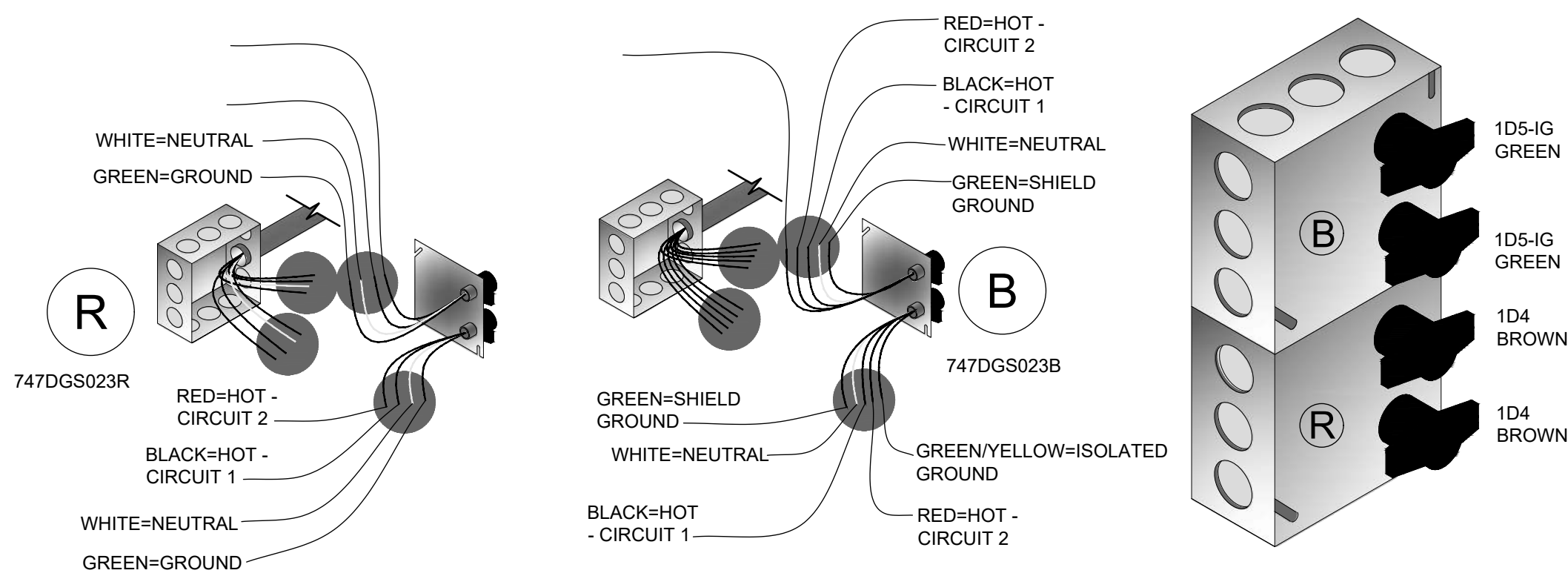
1 POWER PLAN
E1 SCALE: 1/8" = 1'-0" NORTH



2 ENLARGED OFFICE PLAN
E1 SCALE: N.T.S.



3 ELECTRICAL PANEL ELEVATION
E1 SCALE: N.T.S.



QTY	PART NUMBER	DESCRIPTION	VENDOR
1	747DGS023B	DUAL CIRCUIT POWER KIT WITH ISOLATED GROUND	D & P
1	747DGS023R	DUAL CIRCUIT POWER KIT	D & P
1	747DGS044-12BK	12' 2CH REGULAR POLE W/2-C & 1-D CONNECTOR DRW #2004-12	
1	747DGS032A	10' CABLE KIT (SET OF 4 WHIPS)	

4 REGISTER ELECTRICAL DETAIL
E1 SCALE: N.T.S.

This item has been electronically signed and sealed by
Kenneth W. Hunter, P.E. on 7/13/21 using a Digital Signature.

Printed copies of this document are not considered signed and
sealed and the signature must be verified on any electronic copies.

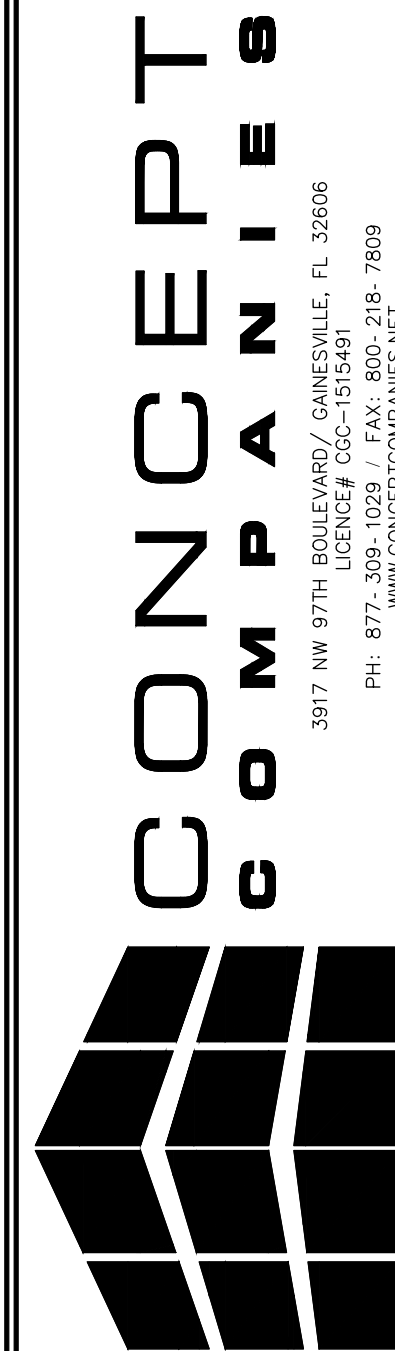


696 1ST AVE AVE N. STE 308
ST. PETERSBURG, FL 33701
PH: 352-238-6366
FL CA #31946
GA CA #PEF007171

KENNETH W.
HUNTER, P.E.
PROFESSIONAL ENGINEER
696 1ST AVE N. STE 308
ST. PETERSBURG, FL 33701
PE #76961

Digitally signed by
Kenneth W. Hunter
Date: 2021.07.13 15:25:35

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DOLLAR GENERAL®

SR 19 & CR 242
LAKE CITY, FL 32024

STORE #180
2019 PROTOTYPE - PLAN DGP - 9,100 SQ. FT.

DRAWING DATE / DRAWN BY:
3/5/2021 - KWH
REVISION DATE / REVISION BY:
REV 1 - 7/12/2021 - KWH
PROJECT NUMBER:
4000.213
DRAWING TITLE:
POWER PLAN
SHEET NO.

E1

NOTES:

- A. **AIC RATING:** SERIES RATED AT 200,000 AMPS WITH BUSSMANN JNN FUSES.
- B. BREAKERS FOR HVAC UNITS SHALL BE SIZED PER MANUFACTURER REQUIREMENTS
- C. BREAKER LOCK.
- D. ISOLATED GROUND BUS.

NOTES:

- A. AIC RATING: SERIES RATED AT 200,000 AMPS WITH BUSSMANN JNN FUSES
- B. ROUTING TO THE EMS PANEL.
- C. BREAKER LOCK.
- D. ISOLATED GROUND BUS.

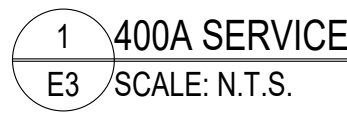


A triangle with the number 1 inside.



<u>MOTOR LOAD FAULT CALCULATION</u>		
STARTING I-SC:	39 KA	CALCULATION
MOTOR LOAD (KVA):	56KVA	I-SC(ML)=I-ML*6= 931A
MOTOR LOAD (A):	155A	I-SC=I-SC+I-SC(ML)= 40 KA

FEE
FEE



HDC HUNTER
DESIGN
& CONSULTING

FL CA #31946
GA CA #PEF007171

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E3

