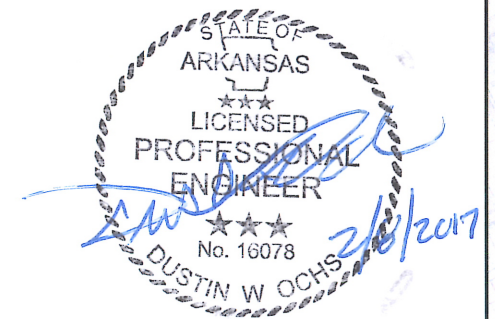


ELECTRICAL PLAN
 1/8" = 1'-0"

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
	WILLIAMS #96-4-L62/830-HIAFR 73W (OR APPROVED EQUAL) 120/277V SURFACE MOUNT SEALED LED FIXTURE.
NL	LIGHTING FIXTURE ON "NIGHT LIGHT" CIRCUIT.
	120V. BATTERY BACKUP LED ILLUMINATED EXIT SIGN AND LIGHTING COMBINATION FIXTURE - WALL MOUNT.
	120V. LED WALL-PAK FIXTURE - WALL MOUNT.
	120V. 20A. QUADRUPLEX RECEPTACLE - UP 36".

NOTE: NEW ELECTRICAL CIRCUITS FOR THIS BUILDING ADDITION SHALL BE POWERED FROM THE NEAREST EXISTING SERVICE PANEL.



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SIMMONS PET FOODS DECATUR, ARKANSAS	
SCALE AS NOTED	BY MR
12/20/16	
REVISED	
	JOB #
	IND. E1.0
FREEZER BUILDING ADDITION	



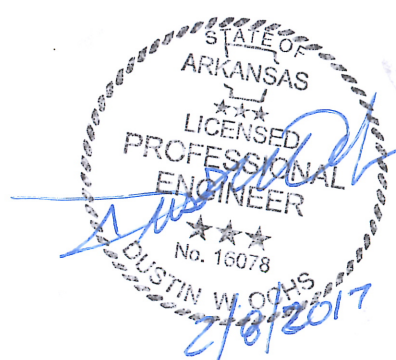
GENERAL NOTES AND SPECIFICATIONS

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE 2014 NATIONAL ELECTRICAL CODE (NEC), LATEST EDITION, RULES AND REGULATIONS OF THE CITY OF DECATUR.
2. ALL EQUIPMENT AND MATERIALS SHALL BE UL LISTED WHERE LISTING IS AVAILABLE FOR THAT TYPE OF EQUIPMENT OR CONFORM TO ANSI OR NEMA STANDARDS.
3. WORKMANSHIP SHALL CONFORM TO CONSTRUCTION PRACTICES RECOMMENDED BY THE AMERICANS HANDBOOK BY CROFT (LATEST EDITION) AND SHALL BE SUBJECT TO THE APPROVAL OF THE AGENCY WHO HAS JURISDICTION.
4. ANY DEVICE MAY BE RELOCATED FROM THE LOCATION SHOWN ON THE DRAWINGS PRIOR TO INSTALLATION AT THE DIRECTION OF THE OWNER AND AT NO ADDITIONAL COST TO THE OWNER.
5. METALLIC ENCLOSURES, RACEWAYS, AND ELECTRICAL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH REQUIREMENTS OF NEC. PROVIDE GROUND WIRE IN EVERY RACEWAY. SIZE IN ACCORDANCE WITH NEC.
6. CONDUIT SHALL BE PVC (ENCASED IN CONCRETE AND BELOW GRADE), ALUMINUM (EXPOSED INSTALLATION), EMT (DRY LOCATIONS) CONCEALED ABOVE GRADE, 3/4" DIAMETER UNLESS OTHERWISE NOTED.
7. WIRING SHALL BE TYPE THWN OR XHHW, 600V. CONDUCTORS SHALL BE COPPER.
8. TESTING SHALL BE PER 2014 NEC.
 - A. MEASUREMENT OF VOLTAGES AT SERVICE EQUIPMENT.
 - B. OPERATION TEST
 - C. INSULATION RESISTANCE
 - D. GROUNDING TEST
9. SUBSTITUTE MATERIALS TO BE EQUAL QUALITY TO SPECIFIED ITEM.
10. GUARANTEE - THE ENTIRE INSTALLATION SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP, WHEN NOTIFIED BY THE OWNER OF FAILURE OF ANY PART OF THE INSTALLATION DURING THE GUARANTEE PERIOD. CONTRACTOR SHALL REPAIR OR REPLACE THE DEFECTIVE PART AT HIS OWN EXPENSES TO THE SATISFACTION OF THE OWNER.

11. INSTALLATION AND WORKMANSHIP,
 - A. ALL WORK SHALL BE NEATLY EXECUTED, WORKMANLIKE IN APPEARANCE SYMMETRICAL, PLUMB, UNIFORM, PROPERLY ALIGNED AND SECURED IN PLACE.
 - B. WIRING METHODS,
 - (1) USE SEALTITE FLEX FOR CONNECTION TO EQUIPMENT.
 - (2) ATTACH TO CONCRETE AND MASONRY WITH EXPANSION ANCHORS AND TO WOOD WITH WOOD SCREWS.
 - (3) SUPPORT RACEWAYS PER NEC.
 - (4) DO NOT SUPPORT RACEWAYS AND BOXES FROM AND ON MECHANICAL SYSTEMS.
 - (5) CABLES WILL NOT BE PERMITTED.
 - C. CONDUCTORS,
 - (1) MAKE SPLICES IN ACCESSIBLE LOCATIONS, MAKE SPLICES IN CONDUCTORS No. 10 AWG AND SMALLER DIAMETER WITH INSULATED, PRESSURE-TYPE CONNECTOR MAKE SPLICES IN CONDUCTORS No. 8 AWG AND LARGER DIAMETER WITH SOLDERLESS CONNECTOR, AND COVER WITH INSULATION MATERIAL EQUIVALENT TO CONDUCTOR INSTALLATION.
 - D. CUT, DRILL AND PATCH AS REQUIRED. REPAIR ANY SURFACES DAMAGED OR MARRED. CUTTING, REPAIRS AND REFINISHING SHALL BE SUBJECT TO THE APPROVAL OF OWNER.
 - E. CLEAN ALL SURFACES TO RECEIVE PAINT. PAINT ANY SURFACE DAMAGED DURING INSTALLATION.
 - F. REPAIR ALL SURFACES DAMAGED DURING THE INSTALLATION OF THE WORK SUBJECT TO THE APPROVAL OF THE OWNER.
 - G. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOOR / CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED FIRESTOPPING MATERIAL.
 - H. PROVIDE EXPANSION/DEFLECTION FITTING FOR CONDUITS THROUGH SEISMIC JOINTS.
 - I. PROVIDE CONDUIT SEAL FOR CONDUITS PASSING THROUGH AIR CONDITIONED AND NON-AIR CONDITIONED AREAS.
12. WIRING DEVICES,
 - A. SWITCHES, 20A-POLES AS INDICATED 120 / 240 V, COLOR TO MATCH DEVICE PLATE.
 - B. RECEPTACLES, 20A, 120V. COLOR TO MATCH DEVICE PLATE.
13. FIXTURES - INSTALL FIXTURES INDICATED IN LUMINAIRE SCHEDULE COMPLETE WITH LAMPS, HANGERS, SUPPORTS, BALLAST AND ACCESSORIES. ALL FLUORESCENT BALLAST SHALL BE ELECTRONIC TYPE.
14. DEVICE PLATES - PLASTIC - COLOR TO MATCH DEVICE.
15. OUTLETS - PROVIDE OUTLET BOXES TO SUIT CONDITIONS ENCOUNTERED. BOXES SIZED TO ACCOMMODATE CONDUCTORS PER NEC. MINIMUM SIZE OF BOX FOR USE WITH RACEWAY SYSTEMS TO BE 4" SQUARE BY 1 1/2" DEEP.
16. CIRCUIT BREAKERS AND SAFETY SWITCHES - GENERAL ELECTRIC, SQUARE D, ITE, WESTINGHOUSE OR CUTLER HAMMER CHALLENGER SAFETY SWITCH - HEAVY DUTY TYPE.

BRANCH CIRCUITS

BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	POLE BKR	CKT NO.	φA		φB		CKT NO.	POLE BKR	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION
				←	→	←	→				
LIGHTS #1	12	1/20A	1	0.80	0.80			2	1/20A	12	LIGHTS #2
NIGHT LIGHT (NL) - #3	12	1/20A	3			0.80		4	1/20A	12	
TOTAL KVA / φ:				1.60		0.80					
CONNECTED KVA:				-		-					
DEMAND FACTOR:				-		-					
DEMAND LOAD:				-		-					



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SIMMONS PET FOODS
 DECATUR, ARKANSAS

SCALE: AS NOTED
 12/20/16
 REVISIONS

BY: MR

JOB #

FREEZER BUILDING ADDITION
 No. E2.0

