

ELECTRICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	FLUORESCENT LIGHTING FIXTURE
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	INCANDESCENT AND HID LIGHTING FIXTURES, CLG. & WALL MTD.
	FLOOD LIGHTING UNIT.
	EXIT/EMERGENCY COMBO SIGN, DIRECTIONAL ARROWS INDICATED.
	EXIT SIGN, DIRECTIONAL ARROWS INDICATED.
	STRIP FLUORESCENT LIGHTING UNIT, SURFACE OR SUSPENDED.
	JUNCTION OR PULL BOX.
	DUPLEX RECEPTACLE, MOUNTED 24" UP UNLESS NOTED OTHERWISE.
	QUAD RECEPTACLE. TWO DUPLEX RECEPTACLES GANG MOUNTED.
	ISOLATED GROUND DUPLEX RECEPTACLE.
	GROUND FAULT INTERRUPTING RECEPTACLE.
	WEATHER PROOF GROUND FAULT INTERRUPTING RECEPTACLE.
	CEILING MOUNTED DUPLEX RECEPTACLE.
	CEILING MOUNTED QUAD RECEPTACLE. TWO DUPLEX GANG MOUNTED.
	SINGLE POLE SWITCH MOUNTED 48" UP UNLESS NOTED OTHERWISE.
	TWO POLE, THREE WAY, FOUR WAY SWITCHES MTD. 48" UP.
	KEY OPERATED SWITCH, PILOT LIGHT SWITCH, MTD. 48" UP.
	SINGLE POLE SWITCHES GANG MOUNTED.
	SINGLE POLE WALL MOUNTED OCCUPANCY/VACANCY SENSOR SWITCH.
	TELEPHONE OUTLET MTD. 24" UP.
	DATA OUTLET FOR P.O.S. SYSTEM. EMPTY 4x4 BOX W/ 1-1/2" PVC CONDUIT TO ABOVE CEILING, WIRING BY OTHERS. SUPPLY S.S. COVER PLATE W/2" DIA. GROMIT HOLE.
	TIME CLOCK, PHOTOCELL.
	MANUAL MOTOR STARTER-DISCONNECT SWITCH.
	MOTOR DISCONNECT OR FUSED SAFETY SWITCH.
	MOTOR.
	ELECTRICAL PANELBOARDS, SURFACE OR FLUSH MOUNTED.
	120 OR 277V CIRCUIT HOME RUN TO PANEL LINE, NEUT., GND.
	480, 240, 208V CKT HOME RUN TO PANEL, WIRE SIZE NOTED.
	CONDUIT CONCEALED IN WALLS OR ABOVE CEILING.
	CONDUIT CONCEALED IN OR UNDER FLOOR.
	WP DENOTES "WEATHER PROOF".
	EM DENOTES LIGHTING FIXTURE ON EMERGENCY POWER CIRCUIT.
	*1. PLAN NOTE. REFER TO NOTATION ON PLANS.
	FIRE ALARM MANUAL PULL STATION.
	SMOKE DETECTOR.

NOTE: ALL SYMBOLS MAY NOT APPEAR ON THE DRAWINGS.

**GENERAL NOTES**

- ALL RECEPTACLES MOUNTED AT 24" A.F.F. UNLESS NOTED OTHERWISE.
- ALL 120V, 15 & 20 AMP RECEPTACLES LOCATED IN KITCHEN, REGARDLESS OF INTENDED USE SHALL BE PROVIDED WITH CLASS "A" GFI PROTECTION AT THE BREAKER.
- SEE K-SHEETS FOR EQUIPMENT PLAN & EQUIPMENT SCHEDULE.
- REF. SHEETS "E1.01" FOR CANOPY WIRING.
- REFER TO DIVISION 16 ELECTRICAL SPECIFICATIONS (SHEET SP6.0) FOR ADDITIONAL INFORMATION.
- OWNER TO WALK THROUGH WITH GENERAL CONTRACTOR / ELECTRICAL ENGINEER FOR APPROVAL OF OUTLET PLACEMENT.
- ROUGH-INS AND FINAL CONNECTIONS FOR ALL OWNER FURNISHED EQUIP. BY E.C. UNLESS NOTED OTHERWISE.
- ALL EMPTY CONDUIT SHALL HAVE A PULL WIRE.
- E.C. SHALL COORDINATE DEVICE MOUNTING HEIGHTS, RECEPTACLE NEMA CONFIGURATIONS AND EXACT ELECTRICAL REQUIREMENTS WITH THE KITCHEN EQUIPMENT SUPPLIER, EQUIPMENT SPECIFICATION SHEETS AND K-SHEETS.
- E.C. SHALL PROVIDE AND INSTALL CORD AND PLUG KITS FOR ANY KITCHEN EQUIPMENT AS NEEDED.
- ALL BRANCH CIRCUITS UP TO 100'-0" SHALL UTILIZE #12 CONDUCTORS MINIMUM. ALL BRANCH CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. ALL BRANCH CIRCUITS 151'-0" UP TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. CIRCUITS ABOVE 251'-0" SHALL UTILIZE #6 CONDUCTORS MINIMUM.

**KEYED NOTES**

- PROVIDE POWER FOR GREASE RECOVERY UNIT. COORDINATE EXACT INSTALLATION REQUIREMENTS AND SPECIFIC MANUFACTURER PRIOR TO ROUGH-IN. PROVIDE ANY LOW VOLTAGE CONNECTIONS TO CONTROLLER OR ALARMS AS REQUIRED.
- PROVIDE J-BOX WITH WHIP FOR FUTURE EQUIPMENT CONNECTION.
- PROVIDE RECEPTACLE WITHIN 18" OF THE TOP OF THE WINDOW FOR SHOW WINDOW RECEPTACLE PER NEC 210.62.
- G.C. TO VERIFY W/OWNER'S REPRESENTATIVE THAT ALTERNATE EQUIPMENT IS BEING PROVIDED. IF NOT VERIFY W/OWNER'S REPRESENTATIVE WHETHER OUTLETS SHOWN TO BE PROVIDED FOR FUTURE USE OR OMITTED AS COST SAVINGS. G.C. TO COORDINATE W/OWNER'S REPRESENTATIVE AND EQUIPMENT VENDOR PRIOR TO INSTALLATION.
- DROP DOWN CONDUIT AND CONDUCTORS THROUGH CHASE TO RECEPTACLES BELOW.
- COOLER/FREEZER ARE EXISTING TO REMAIN. MAINTAIN ALL CONNECTIONS TO CONDENSERS, EVAPORATORS, LIGHTING, HEAT TAPE, ETC. COORDINATE WITH G.C. IN FIELD.
- THE OWNER HAS THE OPTION TO USE A 120V ICE MACHINE IN LIEU OF THE 208V 1 PHASE EQUIPMENT INDICATED. CONTRACTOR MUST VERIFY EQUIPMENT SELECTION WITH OWNERS FIELD REPRESENTATIVE AND PROVIDE 120V, 1PH, 20 AMP BREAKER, IF REQUIRED.
- CONNECT J-BOX TO EXHAUST SYSTEM INTERLOCK BOX. SEE MANUFACTURER'S CONTROL WIRING DIAGRAM. J-BOX & FANS SWITCH FURNISHED WITH HOOD. COORDINATE EXACT LOCATION OF INTERLOCK BOX PRIOR TO ROUGH-IN.
- PROVIDE RECESSED CLOCK TYPE RECEPTACLE AND CCTV OUTLET FOR TV SYSTEM MOUNTED TO WALL. SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT.
- PROVIDE USB COMBO RECEPTACLE PASS AND SEYMOUR MODEL NO. TR5362USB OR EQUAL AT 33" A.F.F. COLOR SHALL BE GRAY.
- APPROXIMATE LOCATION OF EXTERIOR RECEPTACLE TO REMAIN. REPAIR/REPLACE AS REQUIRED. PROVIDE GFCI PROTECTION WITH IN-USE COVER AS NEEDED. CIRCUITING SHOWN FOR REFERENCE ONLY. MAINTAIN CONNECTIONS.
- PROVIDE WEATHERPROOF GFI RECEPTACLE WITH IN-USE COVER ADJACENT TO WALL HYDRANT. COORDINATE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- EXHAUST SYSTEM WIRE INTERLOCK BOX. MOUNT ON WALL ABOVE CEILING. REF. MANUFACTURERS CONTROL WIRING DIAGRAM.
- FIRE SUPPRESSION SYSTEM CONTROL BOX.
- TELEPHONE INTERFACE BOX. MOUNT ON WALL BELOW CEILING ABOVE PANELS.
- EXISTING ELECTRICAL SERVICE ENTRANCE AND METERING EQUIPMENT. SEE ELECTRICAL SERVICE RISER FOR ADDITIONAL INFORMATION.
- PROVIDE NEW 120V, 1PH, 20 AMP GFI RECEPT. FOR AUTOMATIC SPRINKLER CONTROLLER AND HEAT TAPE FOR HOT AND COLD WATER LINES AS REQUIRED. REUSE EXISTING RECEPTACLES IF POSSIBLE.
- AUTOMATIC LAWN SPRINKLER CONTROLLER. MOUNTED AT 60" A.F.F. INSTALL 1-1/2" CONDUIT U.G. TO NEAREST LANDSCAPE AREA. SEE OTHERS. REF. LANDSCAPE PLAN, IF PROVIDED. VERIFY EXACT LOCATION.
- LIGHTING CONTROL PANEL. SEE ELECTRICAL RISER ON SHEET E3.01 AND DETAIL 2/E2.01.
- PROVIDE SEAL-OFF FITTINGS AND FOAM OR POLYURETHANE SEALANT TO PREVENT NEW ELECTRICAL PENETRATIONS INTO FREEZER & COOLER BOX IF REQUIRED.
- LOW VOLTAGE WIRING TO EXIST. DOORS & WINDOWS FOR FUTURE SECURITY SYSTEM BY OTHERS. TERMINATE IN J-BOX BY TELEPHONE BOX 80" AFF WALL. CONDUIT TO BE RIBBED TO CEILING. - LEAVE 24" LOOP ON EACH WIRE.
- 120V, 1PH, 20 AMP DUPLEX OUTLET FOR FUTURE SECURITY SYSTEM. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 1" EMPTY CONDUIT IN WALL STUBBED INTO ACCESSIBLE CEILING FOR FUTURE USE.
- PROVIDE CEILING MOUNTED RECEPTACLE FOR DOOR SECURITY TRANSFORMER.
- EXISTING RTU TO REMAIN. MAINTAIN CONNECTIONS. VERIFY WEATHER PROOF GFI RECEPTACLE WITH IN-USE COVER AND DUCT SMOKE DETECTOR IN GOOD WORKING ORDER. PROVIDE NEW AS REQUIRED.
- PROVIDE JUNCTION BOX WITH 1/2" CONDUIT AND PULL STRING FOR FIRE PULL STATION. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE JUNCTION BOX WITH CONDUIT STUBBED INTO ACCESSIBLE CEILING WITH PULL STRING. COORDINATE EXACT LOCATION OF SPEAKERS PRIOR TO ROUGH-IN.

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PROJECT NO:	0419739-002
DRAWN BY:	CM
CHECKED BY:	RM
ISSUE:	DATE:
PERMIT SET:	07-27-18
REVISION:	DATE:

PROJECT LOCATION:  
**MANASSAS, VA**  
#6711

SHEET NUMBER / TITLE:  
**E2.02**  
POWER PLAN

