

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TELEPHONE DATA RECEPTACLE - COMPUTER NETWORK CAT 4 CABLE TO HUB 3/4" CONDUIT - NUMBER OF CABLES TO EACH LOCATION PROVIDE (1) JUNCTION BOX FOR UP TO 4 CABLES.	S	SINGLE POLE 20A WALL SWITCH (MOUNT 48" AFF. (1) (2))
	FLOOR MOUNTED DATA RECEPTACLE	S 2	TWO POLE 20A WALL SWITCH
	20A DUPLEX RECEPTACLE (WP-WEATHERPROOF, GFI-GROUND FAULT INTERRUPTION)	S 3	THREE-WAY 20A WALL SWITCH
	20A DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER (43-1/2" AFF. CENTER OF RECEPTACLE ENCLOSURE MOUNTED SIDEWAYS)	S 4	FOUR-WAY 20A WALL SWITCH
	20A ISOLATED GROUND RECEPTACLE	S M	MANUAL MOTOR STARTER WITH THERMAL OVERLOADS
	20A DUPLEX RECEPTACLE ON GENERATOR	S X	SPECIAL WALL SWITCH (D-DIMMER P-PLOT LIGHT, O-OCCUPANCY SENSOR WP-WEATHERPROOF, T-TIMER, S-SPEED CONTROL SWITCH)
	SINGLE RECEPTACLE (NEMA SIZE AS SHOWN)		OCCUPANCY SENSOR
	SPECIAL PURPOSE RECEPTACLE (NEMA SIZE AS SHOWN) VERIFY CONFIGURATION WITH EQUIPMENT MANUFACTURER		JUNCTION BOX
	20A QUAD RECEPTACLE		PHOTOCELL
	20A ISOLATED GROUND QUAD RECEPTACLE	GFI	GROUND FAULT CIRCUIT INTERRUPTER
	20A QUAD RECEPTACLE MOUNTED ABOVE COUNTER (43-1/2" AFF. CENTER OF RECEPTACLE ENCLOSURE MOUNTED SIDEWAYS)		FLUSH MOUNTED PANELBOARD
	20A QUAD RECEPTACLE ON GENERATOR		SURFACE MOUNTED PANELBOARD
	FLOOR RECEPTACLE - SHALL COMPLY WITH NEC ARTICLES 314.27C AND 405.6D		CONDUIT AND WIRE CONCEALED IN WALLS OR CEILING
	MOTOR		CONDUIT AND WIRE CONCEALED BELOW FLOOR
	POWER POLE - REFER TO DETAIL 1AED30		CIRCUIT BREAKER (POLES/FRAME/TRIP)
	RECESSED FLUORESCENT LIGHTING FIXTURE		TRANSFORMER
	RECESSED FLUORESCENT LIGHTING FIXTURE - EMERGENCY LIGHTING (BACKUP BY GENERATOR)		SHIELDED ISOLATION TRANSFORMER
	SUSPENDED FLUORESCENT LIGHTING FIXTURE		GROUND CONNECTION
	SUSPENDED FLUORESCENT LIGHTING FIXTURE - EMERGENCY LIGHTING (BACKUP BY GENERATOR)		UTILITY CURRENT TRANSFORMER
	TRACK LIGHTING		UTILITY METER
	DOWNLIGHT		REFRIGERATION SYSTEM NUMBER
	DOWNLIGHT - EMERGENCY LIGHTING (BACKUP BY GENERATOR)		NON-FUSED SAFETY SWITCH (POLES/SIZE)
	WALL MOUNTED LIGHTING FIXTURE		MAGNETIC MOTOR STARTER (NEMA SIZE)
	EXIT SIGN (DOUBLE FACE)		COMBINATION MOTOR STARTER (NEMA SIZE)
	EXIT SIGN (SINGLE FACE)		
	THERMOSTAT		
	MECHANICAL EQUIPMENT LABEL		

[illegible]

JC	ABOVE COUNTER	MD	MULTI TIE DREG REFRIGERATED CASE
AF	APR FINISHED FLOOR	MS	MULTI DISTRIBUTION DASH
A.F.G	ABOVE FINISHED GRADE	MSB	MAIN SWITCHBOARD
B.F.G	BELOW FINISHED GRADE	NC	ON CENTER
C.F.G	CONDUIT	NCPL	NON-CIRCULATING PUMP
CE	CEILING MTD.	RTU	ROOF TOP HVAC UNIT
CT	CURRENT TRANSFORMERS	RTU	RECYCLED DREG REFRIGERATED CASE
D	DUAL ELEMENT (FUSERS)	UN	UNLESS NOTED OTHERWISE
DE	ELECTRICAL CONTROLLER	VA	VOLTS AMPS (WATTS)
EQ	EQUIPMENT GROUP	VLF	VARIABLE FREQUENCY DRIVE
FC	FOOT CANDLE	W	WITH
FI	FIRE FAULT INTERRUPTER	WH	WATER HEATER
FW	INSTANTANEOUS WATER HEATER	WP	WEATHERPROOF DEVICE NOTED

SHEET LIST - ELECTRICAL	
SHEET NUMBER	SHEET NAME
E100	ELECTRICAL EQUIPMENT AND NOTES
E110	ELECTRICAL LEGEND SCHEDULES
E200	LIGHTING PLAN
E220	LIGHTING SCHEDULES & DETAILS
E300	POWER PLAN
E320	REFRIGERATION POWER PLAN
E340	ELECTRICAL STUD-UP DIMENSION PLAN
E360	MECHANICAL POWER PLAN
E380	ELECTRICAL DETAILS
E400	DATA PLAN
E460	ELECTRICAL ONE-LINE DIAGRAM
E510	PANEL SCHEDULES
E515	PANEL SCHEDULES
E530	PANEL SCHEDULES
E535	PANEL SCHEDULES
E540	PANEL ELEVATIONS

ELECTRICAL EQUIPMENT SCHEDULE - BACK OF HOUSE

SE NUMBER	Count	Description	Manufacturer	Model	VOLTPHASE	AMPS	ELECTRICAL CONNECTION	ELECTRICAL REMARKS
BH147	1	WATER PROCESSING & SELF-SERVE VENDING	NATIONAL WATER SERVICES, INC.	FRESHPURE	208V1 Phase	16 A	NEMA 5-20R	CORD AND PLUG PROVIDED WITH UNIT
BH174	1	REVERSE OSMOSIS WATER FILTER	NATURAL WATER SERVICES, INC.	FRESHPURE	208V1 Phase	20 A each	NEMA 11 L1-20R (1) 5-20R, (2) GFCI 5-20R	In the Back of House area. Provide (1) NEMA 5-20R GFCI w/ 30" AFF. Provide (1) NEMA 5-20R at 30" AFF and Provide (1) NEMA L1-20R at 30" AFF. In the Sales and service area (1) NEMA 5-20R at 18" AFF. All receptacles shall have a dedicated circuit.
BH163	1	Produce Mating System	NES	GG540PAB	120V1 Phase	5A	Direct Connection	
BH201	1	Vertical Baler	PIR	23004	480V3 Phase	10 HP	Disconnect Switch	Disconnect Switch shall be a 30A/3P/NEMA 1 Non-Fused
BH232	1	SACU 10. SELF-CONTAINED COMPACTOR (40W)	J.V. MANUFACTURING	SC-10-34-LP-EV-2 C-54S SPLIT	480V3 Phase	10 HP	Disconnect Switch	30A/3P/3R Non-Fused disconnect on exterior of building near Compactor.
BH353	1	DEHYDRATE W/ BOOSTER HEATER NEEDED ELEC. (80W)	OMI BSHMACHINES	EST-44	208V3 Phase	46 A, 42 A	Disconnect Switch	Disconnect Switch shall be 60A/3P/NEMA 1 Non-Fused for the Conveyor and 60A/3P/NEMA 4X Non-Fused for the 150W Booster Heater.
BH359	3	US GROWTH SHIRTS HEAT TEMP	OMI BSHMACHINES	OMI 1850C	208V3 Phase	33 A	NEMA L1-40R	Provide Cord and Plug
BH370	4	304SS/304 COMPUTER WORK STATION	AMTECO	CUSTOM	120 V1 PHASE	360W, 3A	NEMA 5-20R	Cord and Plug provided with unit.
BH382	2	LOCKERS 18 PERSON	WHL-HOLT	WL41915	120V1 Phase	12 A	NEMA 5-20R	Cord and Plug provided with unit.
BH387	1	18" FLOOR LAMINATOR	QRC FILME GROUP	HEATSEA H700PRO	120V1 Phase	12 A	NEMA 5-20R	Cord and Plug provided with unit.

ELECTRICAL EQUIPMENT SCHEDULE - EQUIPMENT

SE NUMBER	Count	Description	Manufacturer	Model	VOLTPHASE	AMPS	ELECTRICAL CONNECTION	ELECTRICAL REMARKS
EQ010	1	WOOD BURNING PIZZA OVEN	MARRAS FORNO	NEARZULI FMO	120 V1 PHASE	1.5	NEMA 5-20R	Power for Ignition Station shall be installed on top of pizza oven via flex conduit routed from nearest wall.
EQ025	1	DOUBLE ELECTRIC OVEN	BLODGETT	RCM42 AGE	208V3 PHASE	59 A	Direct Connection	12 Sections, 90 Amp per section. Verify electrical connection of equipment
EQ027	1	4 Burner 24" Range w/ Oven	GARLAND	G24-AL	208V1 Phase	26 A	NEMA 5-20R	No Electrical Connection Required
EQ109	1	HIGH SPEED PANIN SINGLE GRILL	ELECTROLUX DITO	EC9991-CHSPUS	208V1 Phase	26 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ114	1	Microwave Steamer	Panasonic	NE-3280	208V1 Phase	3200 W	NEMA 5-20R	Cord and Plug provided with unit.
EQ115	1	MICROWAVE	MERITCHEF	BRON-E4	208V1 Phase	4200 W	NEMA 5-20R	CORD AND PLUG PROVIDED WITH UNIT
EQ126	1	Microwave w/ Cable Area	Panasonic	NE-1537	120V1 Phase	1200 Watts	NEMA 5-20R	Cord and Plug provided with unit.
EQ127	2	MICROWAVE OVEN	PANASONIC	NE-1054	120V1 Phase	13 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ141	1	Double Rapid Gas Oven	Revere	T24L	208 V3 PHASE	25 A	NEMA L1-20R	Provide cord and plug.
EQ149	1	4 DECK MODULAR OVEN W/ STEAM GEN & HOOD ELEC.	BONGARD	OMEGA 2	208 V3 PHASE	87.8 A	NEMA 4X2000	Cord and Plug Provided With Unit
EQ175	1	6 Burner 30" Range w/ Standard Oven	Garland	G36-6R	120 V1 PHASE	9 A	NEMA 5-20R	No Electrical Connection Required
EQ241	1	DOUBLE FRYER SINGLE FULL POT GAS W/ FILTER	FRYMASTER	FPF545	120 V1 PHASE	12 A	NEMA 5-20R	120V 50 Grounded Cord Set Provided
EQ256	1	FRYER	FRYMASTER	ML45E	120V1 Phase	12 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ272	1	COUNTERTOP WOK	GARLAND	GLSHWD 3500	208V1 Phase	17 A	NEMA 6-20R	No Electrical Connection Required
EQ312	1	3P CHAIRBOILER	VULCAN	VC350	120V1 Phase	13 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ373	2	Mult-Line Smoker	Om Heavy Pks	C10	120V1 Phase	0.2 A	NEMA 5-20R	Power is for electronic ignition. Provide cord and plug.
EQ375	1	Mult-Line Smoker - Wood Fired	JBR Manufacturing	255PSE	120 V1 PHASE	1.5 A	NEMA 5-20R	Provide Cord for Equipment. Avoid Non-Grounded Extension Cords
EQ385	1	DOUBLE DECK GAS CONV. OVEN	VULCAN	VC4GSD	120V1 Phase	9 A	NEMA 5-20R	Provide dedicated circuit for each unit (total of 2 units). Cord and Plug provided with each unit.
EQ394	1	TILT SKILLET 30 GAL	CLEVELAND RANGE	SQL-30-T1	120V1 Phase	10 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ401	2	LOW TEMP HOT HOLD CABINETS	ALTO SHAM	1000-UPSTD	120V1 Phase	16 A	NEMA 5-20R	Single point connection for the entire unit. Cord and Plug provided with unit.
EQ402	2	LOW TEMP HOT HOLD CABINETS	ALTO SHAM	1000-UPSTD	120V1 Phase	16 A	NEMA 5-20R	Single point connection for the entire unit. Cord and Plug provided with unit.
EQ424	1	ELECTRIC DOUBLE STACK ROTISSEIRE	FRY-JAO	TDR 7 MANUAL	208V3 PHASE	30 A	NEMA 15-50R	Provide dedicated circuit for each unit (total of 2 units). Cord and Plug provided with each unit.
EQ462	3	OIL CONV STEAMER FLR MTD ELEC	AcuTemp	E6208JE150 DBL	208V3 PHASE	42A	NEMA 15-50P	(3) 5PT POWER CORDS PROVIDED. SEPARATE RECEPTACLE NEEDED FOR EACH UNIT.
EQ463	1	Rice Cooker & Warmer	PROCTOR SILEX	PT660R	120 V1 PHASE	12.9 A	NEMA 5-20R	Cord and Plug Provided with Equipment
EQ467	1	HEATED HONEY TANK - 5 GAL	TRADE FIXTURES	1977	120V1 Phase	0.1 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ465	1	6 RACK PROOFER	REVENT	7122	208V3 PHASE	3 KW	NEMA 14-20R	PROVIDE CORD AND PLUG
EQ500	1	COFFEE BREWERS - (2)AL STATION ARRO?	ITICO	CBK-2132XTLS-16	120V1 Phase	30A	NEMA 6-50P	PROVIDE CORD AND PLUGS
EQ577	1	2 BURNER ELECTRIC HOT PLATE	IMPERIAL	HRPA-2-12-E	208V1 Phase	16.23	NEMA 6-30R	Provide cord and plug.
EQ579	3	MANUAL SAUCE	ELECTROLUX DITO	VP-1	120V1 Phase	2.7 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ732	1	VEGETABLE DRYER	PIPER	ANLNER GSM XL	120V1 Phase	14.5 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ739	3	MUT BUTTER GRINDER	OLUE TIME FOODS	PNS	120V1 Phase	17 A	NEMA 5-20R	Cord and plug provided with unit.
EQ746	3	MUT BUTTER GRINDER	LA MARZOCCO	SWIFT	120 V1 PHASE	8 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ763	1	COFFEE GRINDER	OLUBE	SW70	120V1 Phase	7.5 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ779	1	20 QT MIXER	BIRO	PRD-3-SD - 12 HP	120V1 Phase	150 Watts	NEMA 5-20R	Cord and Plug provided with unit.
EQ791	1	MEAT CUBERY TENDERIZER	BIRO	PRD-3-SD - 12 HP	120V1 Phase	150 Watts	NEMA 5-20R	Cord and Plug provided with unit.
EQ798	1	COOKING POT POWER HAND MIXER	DYNAMIC INTL	SUPERMIXER	120V1 Phase	30 A	NEMA L1-21-30R	Cord and Plug provided with unit. Single point connection to power up both motors.
EQ801	1	MEAT MIXER / GRINDER	HOBART	MC152	208V3 Phase	8.8 A	NEMA L15-20R	Provide Cord and Plug.
EQ804	1	MEAT TABLE TOP GRINDER	HOBART	4732A	208V3 Phase	8.8 A	NEMA L15-20R	Provide Cord and Plug.
EQ819	1	MEAT CUBERY TENDERIZER	BIRO	PRD-3 HD - 34 HP	120V1 Phase	8.8 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ823	1	HANDWRAP WEGH STATION W/ SCALE STAND	BLZERBA	BSL	120V1 Phase	6.5 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ838	1	HANDWRAP STATION W/ HOT PLATE	ALFA	USA	120V1 Phase	6.5 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ844	1	HYDRAULIC SAUSAGE STUFFER	DANIELS	DFS-55	208V3 Phase	4.8 A	NEMA L15-20R	Provide Cord and Plug.
EQ885	1	JACKW W/ AUTO FEED & PORCUM	ZOMEX	SPIED TANK PCCUM	120V1 Phase	2.9 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ889	1	PATTY MACHINE W/ 1.5 MOBILE TABLE	BIRO	2300A	120 V1 PHASE	6.28 A	NEMA 5-20R	Cord and Plug provided with unit.
EQ894	1	VACUUM PACKAGE MACHINE	MINIPACK AMERICA	MVS-48LXPI	120 V1 PHASE	17 A	NEMA 5-50P	Provide Cord and Plug.
EQ897	1	60 QT MIXER	OLUBE	SP60	208V3 Phase	9 A	NEMA 15-20R	Cord and Plug provided with unit.
EQ913	1	COLD PRESS JUICER	GOODNATURE	X-11 EG200	208V1 Phase	7.5 A	NEMA L1-40R	Requires (2) circuits for each piece of equipment.
EQ914	1	CHEESE GRATER TABLE TOP	SIRMAN	OLMPO	120 V1 PHASE	3.16 A	NEMA L5-20R	Cord and Plug Provided with Equipment
EQ992	1	ESPRESSO	LA MARZOCCO	LINEA PB - 2 GROUPS	208V1 PHASE	22 A	NEMA 6-30R	CORD AND PLUG PROVIDED WITH UNIT

ELECTRICAL EQUIPMENT SCHEDULE - FRONT OF HOUSE

SE NUMBER	Count	Description	Manufacturer	Model	VOLTPHASE	AMPS	ELECTRICAL CONNECTION	ELECTRICAL REMARKS
FH139	5	H-STYLE BELT CHECK STANDS	Royton	902626	120V1 Phase	12 A	NEMA 5-20R	Provide (1) Power Pole to each grouping of registers. Provide (1) receptacle for clean power. (1) receptacle for dirty power and (1) data outlet for each register stand.
FH352	2	Electric Mart Carts	Mart Cart	XTI Model 12	120V1 Phase	3 A	NEMA 5-20R	Cord and Plug provided with unit.

ELECTRICAL EQUIPMENT SCHEDULE - INFORMATION TECHNOLOGY

SE NUMBER	Count	Description	Manufacturer	Model	VOLTPHASE	AMPS	ELECTRICAL CONNECTION	ELECTRICAL REMARKS
IT054	1	PRINTER	LEXMARK	C782de	120V1 Phase	7.1 A	NEMA 5-20R	Cord and Plug provided with unit.
IT055	1	PRINTER	LEXMARK	C550de	120V1 Phase	5.6 A	NEMA 5-20R	Cord and Plug provided with unit.
IT104	19	NETWORK SCALE	BLZERBA	KH 100	120V1 Phase	1 A	NEMA 5-20R	Isolated Ground Receptacle is provided with the refrigerated cases (unless noted otherwise). Cord and Plug provided with unit.
IT180	1	PORTION SCALE - 100 LB CAPACITY	DORAN	7100XL12	120V1 Phase	1 A	NEMA 5-20R	Isolated Ground Receptacle is provided with the refrigerated cases (unless noted otherwise). Cord and Plug provided with unit.

ELECTRICAL EQUIPMENT SCHEDULE - REMOTE REFRIGERATION

SE NUMBER	Count	Description	Manufacturer	Model	VOLTPHASE	AMPS	ELECTRICAL CONNECTION	ELECTRICAL REMARKS
RR186	2	# Service	Hill Phoenix	SS2SC	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR187	2	12 FRONT LOAD 5 DECK REFRIG	HUSSMANN	MXL-EP	208V3 Phase, 120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration or electrical drawings for circuiting.
RR18	1	18" Front Load Wet Produce 4 Deck	HUSSMANN	PALEP	120V1 Phase			
RR19	3	12" Front Load Wet Produce 4 Deck	Hussmann	PALEP	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR411	6	# FROZEN COFFIN	HUSSMANN	F1				
RR452	1	4 AGED BEEF W/ REFRIG LOWER STORAGE	HUSSMANN	ABG-4	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR513	4	# MEAT SERVICE CASE	HILL PHOENIX	SS2SC	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR514	2	12 Service Meat	Hill Phoenix	SS2SC	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR500	4	NARROW REACH-IN GLASS DOOR MERCANDISER	HILL PHOENIX	6NRBLH-6"	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration or electrical drawings for circuiting.
RR560	3	NARROW REACH-IN GLASS DOOR MERCANDISER	HILL PHOENIX	6NRBLH-12"	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR616	4	3-DR Reach-In Frozen	Zero Zone	RVZC30T2	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR617	2	4-DR Reach-In Frozen	Zero Zone	RVZC30T2	120V1 Phase			Power for Lighting, Fans and/or heaters refer to refrigeration drawings for circuiting.
RR618	7	5-DR Reach-In Frozen	Zero Zone	RVZC30T2	120V1 Phase			Power for Lighting, Fans and/or heaters refer to refrigeration drawings for circuiting.
RR411	1	10 PASTA BAR	SOUTHERN CASE ARTS	CUSTOM				
RR746	1	10 OLIVE PICKLE BAR	SOUTHERN CASE ARTS	CUSTOM				
RR752	1	REFRIG SALAD BAR	AMTEKO	CUSTOM	208V1 Phase	18 A	Direct Connection	Provide connection to electrical panel provided with unit.
RR775	3	# Service Deli	Hussmann	QSLC	120V1 Phase			
RR790	1	AGED CHEESE CASE	BAURER	AGB-5GR	120V1 Phase			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR797	1	# SELF SERVICE	HILLPHOENIX	CF-FS-6R DLS				See refrigeration series drawing and E320 for info
RR963	1	14' Cheese Case	Hill Phoenix	DLPGR DLPGR				
RR973	1	# REFR 5-DR CASE	HILL PHOENIX	6RBLH-6"	120V1 PHASE			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR985	1	# DOORS REFR MD	HILL PHOENIX	6RBLH-6"	SEE REFRIGERATION SERIES DRAWING AND E320 FOR INFO.			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR889	9	# DOORS REFR MD	HILL PHOENIX	6RBLH-6"	SEE REFRIGERATION SERIES DRAWING AND E320 FOR INFO.			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR990	3	12 DOORS REFR MD	HILL PHOENIX	6RBLH-12"	SEE REFRIGERATION SERIES DRAWING AND E320 FOR INFO.			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR993	1	BLAST CHILLER	TRAILZEN	TBCH	208V1 Phase, 120V1 Phase	4 HP, 14.9 A	Direct Connection, Disconnected Switch	Blast chiller to be hardwired and require with 3 wires and ground. Remote Chiller to be hardwired to 30A/1P/NEMA 1 Non-Fused disconnected switch.
RR955	1	4-DR REACH-IN FROZEN	HILL PHOENIX	6NRBLH-4 DOOR	SEE REFRIGERATION SERIES DRAWING AND E320 FOR INFO.			Power for Lighting, Fans and/or heaters. Refer to refrigeration drawings for circuiting.
RR997	1	ICE MACHINE	Howe	4000RLCPS200	208V1 Phase	5 A	Direct Connection	30A/15A/1P/NEMA 3R Fused Disconnect Switch

ELECTRICAL EQUIPMENT SCHEDULE - SELF CONTAINED

ELECTRICAL EQUIPMENT SCHEDULE - SELF CONTAINED								
SE NUMBER	Count	Description	Manufacturer	Model	VOLTPHASE	AMPS	ELECTRICAL CONNECTION	ELECTRICAL REMARKS
SC123	6	POP DRINK REFRIG W/ DOORS	INBERA	VM VRD-21	120 V1 PHASE	3.8 A	NEMA 5-20R	Cord and Plug provided with unit.
SC18-KOH	1	HOPFMAZIO TOWER W/ CHILLER & DISPENSING CABINET	TRADE FIXTURES / CORNELIUS	SBD-HD17- UCCR-40 REMOTE	120V1 Phase	14.4 A	NEMA 5-20R	Cord and Plug provided with unit.
SC150-FCH	1	HOPFMAZIO TOWER W/ CHILLER & DISPENSING CABINET	TRADE FIXTURES / CORNELIUS	SBD-HD17- UCCR-40 REMOTE	120V1 Phase	15 A	NEMA 5-20R	Cord and Plug provided with unit.
SC13	1	GELATO BATCH FREEZER	CATTABRIGA	F 90	208 V3 PHASE	33 A	Direct Connection	Cord and Plug not provided for unit. Requires proper connections within the guidelines of local area.
SC685	2	Horizontal Freezer Glass Angled Lid	TRUE FOOD SERVICE EQUIPMENT, INC.	TFM-25AL	120 V1 PHASE	2.6 A	NEMA 5-15R	Cord and Plug provided with unit.
SC120	1	GELATO SHOWCASE	GAM	AMKA	208 V3 PHASE	11.05	NEMA 15-30R	Provide Cord and Plug for unit.
SC107	1	# 2DR UC 3C REFRIG MBS SS TOP	DELFIELD	UC4488	120V1 Phase	4 A	NEMA 5-20R	Cord and Plug provided with unit.
SC111	5	UC REFRIGERATOR 48 1/8" X 31 1/2" X 34 1/8" W/ DOOR FIB	DELFIELD	UC4488N	120V1 Phase	3.9 A	NEMA 5-20R	Cord and Plug provided with unit.
SC119	3	# 5 Door Mobile Refrig	Delfield	ST4466N	120V1 Phase	3.9 A	NEMA 5-20R	Cord and Plug provided with unit.
SC120	2	7P 5 DOOR MOBILE REFRIG	DELFIELD	ST4472N	120V1 Phase	3.9 A	NEMA 5-20R	Cord and Plug provided with unit.
SC146	1	UC REFRIGERATOR	TRUE	TRC3-48	120V1 Phase	5.4	NEMA 5-15P	Cord and Plug provided with unit.
SC107	1	7P 2 DOOR REFRIG MOBILE WORK TABLE FB	DELFIELD	1867285TM	120V1 Phase	10 A	NEMA 5-20R	Cord and Plug provided with unit.
SC100	2	ICE CUBE MACHINE	MANITOWOC	QF-6214A	120V1 Phase	6.5 A	NEMA 5-20R	Provide Cord and Plug.
SC137	2	Greater Power Pole	Perlick	4004	120V1 Phase	1.0HP	NEMA 5-20R	Provide cord and plug.
SC180	1	24"24" - MJD COOLER - FRONT VENTED	PERLICK	PR24	115V1 PHASE	5.8 A	# NEMA 5-15P	Cord and Plug provided with unit.
SC188	1	SELF-CONTAINED DIRECT DRAW KEE TAP	PERLICK	DC336	120V1 Phase	1.2 A	NEMA 5-20R	Cord and Plug provided with unit.
SC173	1	REFRIGERATOR TM LOUNGE	GE	FTS2251SSS	120V1 Phase	8 A	NEMA 5-20R	Cord and Plug provided with unit.
SC184	1	REFRIGERATOR Glass Angled Lid	TRUE FOOD SERVICE EQUIPMENT, INC.	IS-200TE	120 V1 PHASE	5.8 A	NEMA 5-20R	Cord and Plug provided with unit.
SC779	4	36" SINGLE LEVEL CORNUS BIN	ICE STORE FIXTURES	REB0197	120 V1 PHASE	19.6 A	NEMA 5-20R	Cord and Plug provided with unit.

GENERAL NOTES

- ALL CONDUIT ROUTED OVERHEAD SHALL BE ATTACHED TO THE BOTTOM OF THE TOP CHORD OF THE BRACKET USING CADDY CLIPS, AND ROUTED PARALLEL AND PERPENDICULAR TO STRUCTURAL STEEL.
- CONTRACTOR SHALL CONCEAL ALL CONDUITS AND WIRING INSIDE WALLS, COLUMNS, OR UNDER SLABS.
- FOR ALL BRANCH CIRCUITS, WIRE SIZES SHALL ALLOW NO MORE THAN A 3% TOTAL VOLTAGE DROP.
- ALL CONDUIT THAT RUNS UNDER SLAB SHALL BE A MINIMUM OF 1" CONDUIT SHALL BE RUN A MINIMUM OF 9" BELOW GRADE.
- E.G. SHALL LABEL ALL JUNCTION BOXES, OUTLETS, LIGHT SWITCHES, ETC. WITH CIRCUIT NUMBER ON COVER PLATE.
- ALL EMERGENCY WIRING SHALL BE RUN IN SEPARATE CONDUITS AND RACEWAYS FROM NORMAL WIRING.
- PROVIDE THE FOLLOWING AT COOLER/FREEZER PENETRATIONS AND WHERE THE TEMPERATURE DIFFERENTIAL IS 20°F OR GREATER. DO NOT LARGER THAN CONDUIT OUTSIDE DIAMETER THRU FOAM INSULATION. PANEL. INSTALL A CONDUIT BODY ON THE WARM SIDE OF THE PANEL. PROVIDE A SHORT PIECE OF SCHEDULE 40 PVC CONDUIT THRU THE INSULATED PANEL TO REDUCE TEMPERATURE TRANSMISSION. PROVIDE POLYSTYRENE INSULATION OVER THE CONDUIT FOR 6" ON THE COLD SIDE AND FOR 30" ON THE WARM SIDE OF THE INSULATED PANEL. THE JOINTS SHALL BE SEALED WITH A JOINTING COMPOUND. THE CONDUIT BODY SHALL BE FILLED WITH PUTTY TO PREVENT AIR AND MOISTURE MIGRATION. SEE DETAIL E220 FOR MORE INFORMATION.
- RECEPTACLES IN THE KITCHEN, AND FOOD PREP AREAS SHALL BE GFCI TYPE WITH UL94 WEATHERPROOF DIE CAST METAL CONSTRUCTION COVERS. DISCONNECT SWITCHES FOR EQUIPMENT IN KITCHEN, AND FOOD PREP SHALL HAVE REM-A-BOX ENCLOSURES.
- ALL DISCONNECT SWITCHES SHALL BE FURNISHED BY THE SWITCHGEAR MANUFACTURER.
- ALL LOW VOLTAGE WIRING IN PLENUM SPACES SHALL BE ROUTED IN CONDUIT. DO NOT INSTALL PVC CONDUIT IN PLENUM SPACES.

2 MEZZANINE
1/8" = 1'-0"

NOTE	DESCRIPTION
1	EC SHALL PROVIDE OCCUPANCY SENSORS. COORDINATE LOCATION OF SENSORS, SO THAT THEY ARE NOT BLOCKED BY OBJECTS OR SPINNERS. SENSORS SHALL BE SET SO THAT THEY TURN OFF AFTER 15 MINUTES.
2	EC SHALL PROVIDE OCCUPANCY SENSORS RATED FOR COOL APPLICATIONS IN COOLERS. COORDINATE LOCATION OF SENSORS, SO THAT THEY ARE NOT BLOCKED BY PRODUCT. SENSORS SHALL BE SET SO THAT THEY TURN OFF AFTER 15 MINUTES.
3	ALL COOLER/FREEZER LIGHTS (FUTURE TYPE CL4) SHALL BE ON THE EMERGENCY CIRCUIT. REFER TO DETAIL E220 FOR MOUNTING OF COOLER/FREEZER LIGHTING FIXTURES.
4	REFER TO DETAIL E220 FOR MOUNTING OF TRACK FIXTURES.
5	REFER TO DETAIL E220 FOR MOUNTING OF TYPE "B" AND "C" TYPE FIXTURES.
6	REFER TO DETAIL E220 FOR MOUNTING OF TYPE "B" AND "C" TYPE FIXTURES.
7	LIGHTING VENDOR SHALL PROVIDE AN ADDITIONAL 10% TYPE "H" FIXTURES FOR PLACEMENT IN THE FIELD BY OWNER. EC SHALL INSTALL ADDITIONAL HEADS PER LOCATION DESIGNATED BY THE OWNER.
8	EC SHALL PROVIDE TOGGLE SWITCH MOUNTED INSIDE SERVICE DESK CABINET FOR CONTROLS OF EX-FAN. CIRCUITS FOR EX-FAN SHALL BE ROUTED THRU CONTRACTOR.
9	REFER TO DETAIL E220 FOR MOUNTING OF TYPE "D" TYPE FIXTURES.
10	OVERHEAD LIGHTING SWITCH. COORDINATE PANEL LOCATION WITH VENDOR PROJECT MANAGER.
11	EC SHALL SUSPEND THE EX-FAN ABOVE THE FOOD GRINDING AND IN FRONT OF THE AIR CURTAIN. CABLE SHALL BE INSTALLED CENTERED BEHIND THE MULLION SO THAT IT IS NOT VISIBLE FROM THE EXTERIOR.
12	TYPE "H" LIGHT FIXTURE PLUG INTO RECEPTACLE BELOW. SEE SHEET E300 FOR CIRCUITING INFORMATION.
13	OCCUPANCY SENSORS IN RESTROOMS SHALL CONTROL MIRROR LIGHT FIXTURES ONLY. DOWNLIGHTS SHALL BE ON 24 HOURS.
14	ALL NIGHT LIGHT LIGHTING SHALL NOT BE CONTROLLED THRU CONTACTOR OR LOCAL SWITCH. UNLESS NOTED OTHERWISE.
15	LIGHT FIXTURE SHALL BE INSTALLED ABOVE COOLER (AROUND EQUIPMENT) WITH WIREGUARD. PROVIDE LIGHT SWITCH NEXT TO JACUZZI OPENING.
16	EXTERIOR LIGHT FIXTURES PROVIDED BY LANDLORD. LANDLORD HAS ROUTED CONDUIT AND WIRING BACK TO ELECTRICAL PANEL. EC SHALL MAKE FINAL CONNECTION IN PANEL.
17	EX-FAN PROVIDED BY LANDLORD. CONDUIT AND WIRING BETWEEN EX-FAN BY LANDLORD AND ROUTED TO ALLOW JURY INSIDE OF THE BUILDING. EC TO EXTEND CONDUIT AND WIRING TO ELECTRICAL PANEL.
18	3 WIRE GROUND PROVIDED WITH FIXTURES. ADDITIONAL WIRE GROUND TO BE PROVIDED BY ELECTRICIAN FOR DRAMING.
19	REFER TO DETAIL E220 FOR MOUNTING OF TYPE "N" TYPE FIXTURES.
20	EC SHALL PROVIDE TOGGLE SWITCH MOUNTED INSIDE SERVICE DESK CABINET FOR CONTROLS OF VESTIBULE IN-FAN.
21	EC SHALL PROVIDE TOGGLE SWITCH MOUNTED AT 48" ABOVE COUNTER FOR CONTROLS OF BIG VENUE IN-FAN.
22	TWO (2) SWITCHES FOR EXTERIOR EXTERIOR FANS AND INTERIOR VESTIBULE FANS LOCATED IN CUSTOMER SERVICE DESK CABINET. COORDINATE WITH VENDOR.

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ISSUE RECORD

DATE	DESCRIPTION
09/19/2016	PERMIT SET
02/13/2017	IBD SET

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE

ONOFRE MAYUGA

PROJECT MANAGER

SLADE HOLLADAY

QUALITY CONTROL

ONOFRE MAYUGA

DRAWN BY

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TENANT

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SUITE 500

KENNESAW, GA 30152



PROJECT NUMBER

20150922.0

SHEET TITLE

LIGHTING PLAN

SHEET NUMBER

E200

ISSUED FOR CONSTRUCTION

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

LIGHT FIXTURE SCHEDULE - INTERIOR (FURNISHED BY WFM)

TYPE	RESPONSIBILITY	MANUFACTURER	MODEL	DESCRIPTION	VOLTAGE	WATTAGE	Count	MOUNTING CONFIGURATION	TYPICAL MOUNTING HEIGHT	NOTES
A	WFM	LITHONIA	PT16S-A2-02SR2-MVOLT-LP16S-DNA-CRM-PL-RLV-G	8" LINEAR LED ASLE 24" OFF CENTER	277 V	80 W	56	SUSPENDED	11'-0" AFF	3 WIRE CORD PROVIDED WITH FIXTURES. ADDITIONAL WIRECORD TO BE PROVIDED BY ELECTRICIAN FOR DIMMING.
A2	WFM	LITHONIA	PT16S-LV2D-02SR2-MVOLT-LP16S-DNA-CRM-PL-RLV-G	8" LINEAR LED ASLE 24" OFF CENTER	277 V	80 W	6	SUSPENDED	11'-0" AFF	3 WIRE CORD PROVIDED WITH FIXTURES. ADDITIONAL WIRECORD TO BE PROVIDED BY ELECTRICIAN FOR DIMMING.
A2.NL	WFM	LITHONIA	PT16S-LV2D-02SR2-MVOLT-LP16S-DNA-CRM-PL-RLV-G	8" LINEAR LED ASLE 24" OFF CENTER	277 V	80 W	3	SUSPENDED	11'-0" AFF	3 WIRE CORD PROVIDED WITH FIXTURES. ADDITIONAL WIRECORD TO BE PROVIDED BY ELECTRICIAN FOR DIMMING.
A.NL	WFM	LITHONIA	PT16S-A2-02SR2-MVOLT-LP16S-DNA-CRM-PL-RLV-G	8" LINEAR LED ASLE 24" OFF CENTER	277 V	80 W	22	SUSPENDED	11'-0" AFF	3 WIRE CORD PROVIDED WITH FIXTURES. ADDITIONAL WIRECORD TO BE PROVIDED BY ELECTRICIAN FOR DIMMING.
B	WFM	ORACLE	22-PFL-1-LED-4000L-DIMM0-MVOLT-3SK	DIRECT LIT LED 2X2 FLAT PANEL	277 V	40 W	126	RECESSED		
B.ML	WFM	ORACLE	22-PFL-1-LED-4000L-DIMM0-MVOLT-3SK	DIRECT LIT LED 2X2 FLAT PANEL	277 V	40 W	58	RECESSED		
CL4	WFM	RLI INDUSTRIES	RLI-VVPV14-55-UNV-300K	4" LED COOLER LIGHT - 3000K	277 V	56 W	32	SURFACE		
Q	WFM	CHAMELEON	PT16S-LED-30-8-BAH-HP-RC-CE-GRAY	LED COOLER LIGHT - 3000K	277 V	116 W	7	SUSPENDED	18'-0" AFF	
D1	WFM	BARNLIGHT	BLE-C-WHS-FC-LED-12"-4000K-RR-RED-SBK850-27K	12" WAREHOUSE SHADE PENDANT, BARN RED WITH COLORED LENS	120 V	47 W	7	SUSPENDED	7'-0" AFF	
D2	WFM	RELUXINATION	A7710-WHITE	HANNAY BARE BULB	120 V	40 W	19	SUSPENDED	7'-0" AFF	LAMP QTY = 1
D4	WFM	BARNLIGHT	BLE-C-DBWB-PC-200-SBK-E26	MODERN MODERN CORD HUNG PENDANT - WHITE WITH BLACK CORD	120 V	30 W	4	SUSPENDED	6'-0" AFF	LAMP QTY = 1
D5	WFM	BARNLIGHT	BLE-C-FC-PC-PC	CABLE 8" FLAT CONE REFLECTOR PENDANT - 12" SHADE	120 V	20 W	4	SUSPENDED	6'-0" AFF	LAMP QTY = 1, CONFIRM FINISH
D6	WFM	BARNLIGHT	BLE-C-DBW-PC-16-CH72-100-SBK-MEDIUM	WESCO DEEP BOWL CHAIN HUNG PENDANT - 16" SHADE, BLACK SHADE & CANOPY	120 V	20 W	8	SUSPENDED	7'-0" AFF	LAMP QTY = 1
D7	WFM	RESTORATION HARDWARE	1860234-RUST	INDUSTRIAL CAGE FILAMENT PENDANT - RUST	120 V	20 W	5	SUSPENDED	6'-0" AFF	LAMP QTY = 1
D8	WFM	WHITE	H-16112-3P1-125-ITEM91-32CF1-BCMM	12" DEEP BOWL SHADE, BLACK 32 WATT CFL, STEM	120 V	36 W	13	SUSPENDED	8'-0" AFF	LAMP QTY = 1
D9	WFM	BARNLIGHT	BLE-C-SBS-PC	SKYLARK SHALLOW BOWL CORD HUNG PENDANT - 16"	120 V	20 W	10	SUSPENDED	7'-0" AFF	LAMP QTY = 1, CONFIRM FINISH
D10	WFM	CONTECH	CYL6-4-30K-MVD-P-M-CLR-B/2C5K-48-811-C5K-36	6"LED CYLINDER BLACK WITH 152" STEM	277 V	28 W	11	SUSPENDED	7'-0" AFF	
D.NL	WFM	CHAMELEON	CH10-S-C-5-LED1-30-8-R64MB16	140 WATT LED HIGHBAY	277 V	140 W	42	SUSPENDED	VARIABLES 8' AFF TO 27' AFF	
D.L	WFM	IS	LED10-76-MA-1-15-SPS-5V10V-NAVM	DOCK LIGHT	120 V	14 W	2	SURFACE	VARIABLES	
E	WFM	CONTECH	RAN-C53K2707G4322-PL	4" LED RECESSED DOWNLIGHT	277 V	37 W	31	RECESSED		
E1	WFM	CONTECH	RAN-C53K2707G4322-PL	4" LED RECESSED DOWNLIGHT	277 V	28 W	32	RECESSED		
E1.NL	WFM	CONTECH	RAN-LNC-43K27072 / C176322L2PL	8" LED RECESSED DOWNLIGHT 48W 2700 SERIES	277 V	48 W	10	RECESSED		
E2	WFM	CONTECH	RAN-C53K2707G4322-PL	4" LED RECESSED DOWNLIGHT	277 V	14 W	39	RECESSED		
E2.NL	WFM	CONTECH	RAN-LNC-43K27072 / C176322L2PL	8" LED RECESSED DOWNLIGHT 48W 2700 SERIES	277 V	16 W	29	RECESSED		
H	WFM	INTENSE LIGHTING	CTL8072M3D-S	LED TRACK HEAD	120 V	24 W	293	SUSPENDED	11'-0" AFF	
K	WFM	INTENSE LIGHTING	CTL181-V-3D-S-1BS	WALL WASH TRACK HEAD 30W WITH MONOPONT	120 V	34 W	9	SUSPENDED	12'-0" AFF	
K1	WFM	INTENSE LIGHTING	CTL181-V-3D-S	WALL WASH TRACK HEAD 30W	120 V	34 W	9	SUSPENDED	11'-0" AFF	
L	WFM	SELWAY LIGHTING	SF-485H-480-3-0PIS-20CORD	8" STICK TS 90° LOUVER	277 V	115 W	12	SUSPENDED	8'-0" AFF	LAMP QTY = 4
M	WFM	H-LITE	H-600-117-48ST18PFS-NTS-117-250W-AC	FOOD WARMER W/48" STEM	120 V	250 W	4	SUSPENDED	2'-0" ABOVE COUNTER	
N7	WFM	LITHONIA	2L1N-L48-7000LM-FST-MVOLT-3SK-80CRH-WH	4" LINEAR LED	277 V	72 W	33	SUSPENDED	12'-0" AFF	
N7.NL	WFM	LITHONIA	2L1N-L48-7000LM-FST-MVOLT-3SK-80CRH-WH	4" LINEAR LED	277 V	72 W	26	SUSPENDED	12'-0" AFF	
S	WFM	BARN LIGHT	BLE-W-WHS-PC	11" OLD TIME SCORCE GALVANIZED	120 V	36 W	4	SURFACE	7'-0" AFF	LAMP QTY = 1
T	WFM	CONTECH	RAN-LNC-63K1022 W C176322L2-CLR	WALL WASH	120 V	50 W	3	RECESSED		
U	WFM	BRUCK	BRUK-6-X7118-50LM-30K-85-DAB0-UNV-10V-MCM-RP	LED CYLINDER	277 V	48 W	12	SUSPENDED	10'-0" AFF	
W2	WFM	CORELITE	DW1-WA-3-L5-1-0-UNV-SU-WA-S-S	2" SURFACE LINEAR LED	277 V	28 W	6	SURFACE	ABOVE MIRROR	
W4	WFM	CORELITE	DW1-WA-3-L5-1-0-UNV-SU-WA-4-S	4" SURFACE LINEAR LED	277 V	28 W	2	SURFACE	ABOVE MIRROR	
Z-COOL	WFM	ASTRALITE	AEL-U-2-SBK-W-AC	EXIT SIGN - DOUBLE FACE	277 V	0 W	13	SUSPENDED	11'-0" AFF	
Z-SINGLE	WFM	ASTRALITE	AEL-U-1-RM-W-AC	EXIT SIGN - SINGLE FACE	277 V	0 W	22	SUSPENDED	11'-0" AFF	

* COORDINATE WITH WFM LIGHTING VENDOR AND BOURNERS STATES PRIOR TO INSTALLATION.

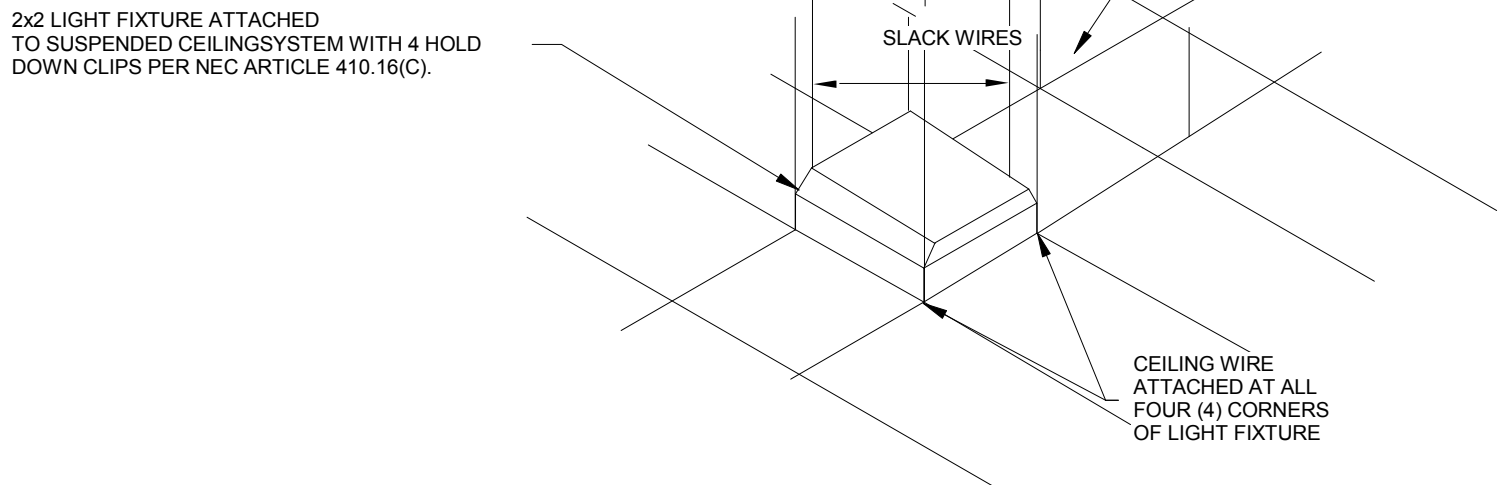
" COORDINATE WITH WFM LIGHTING VENDOR AND BANNER STATES PRIOR TO INSTALLATION.

LIGHT FIXTURE SCHEDULE - INTERIOR (FURNISHED BY LANDLORD)

TYPE	RESPONSIBILITY	MANUFACTURER	MODEL	DESCRIPTION	VOLTAGE	WATTAGE	Count	MOUNTING CONFIGURATION	TYPICAL MOUNTING HEIGHT	NOTES
EX-A	LANDLORD	EQUIPE	HDRL-40WATTLED-4K-277-BK	CEILING MOUNTED LED WITH BLACK FINISH	277 V	50 W	19	SURFACE	CEILING	LED INCLUDED
EX-B	LANDLORD	EQUIPE	WVGL-100MMKT780C-T8SB	LED WALL SCONCE WITH BLACK FINISH	277 V	50 W	7	SURFACE	WALL MOUNTED	LED INCLUDED
EX-C	LANDLORD	SPAILDING	CL1-A-650-0-4K-3-PS-WB	ARM MOUNTED LED LUMINAIRE	277 V	140 W	3	SURFACE		LED INCLUDED
EX-D	LANDLORD	COLUMBIA	TUN-4-2-28-E-U	FOUR FOOT FLUORESCENT LENSED FIXTURE	277 V	60 W	1	SURFACE	7'-0" AFF	FIGURE PROVIDED BY LANDLORD. PLUGS INTO EXISTING RECEPTACLE VIA CIRCUIT LDP-40
EX-E	LANDLORD	COLUMBIA	TUN-4-2-28-E-U	FOUR FOOT FLUORESCENT LENSED FIXTURE	277 V	108 W	2	SURFACE	7'-0" AFF	LAMPS - (2) 28WTS-SPS5
EX-F	LANDLORD	SPAILDING	TED-30L-4K-C05-3-U-PS	DECOARTIVE WALL PACK	277 V	70 W	3	SURFACE	7'-0" AFF	LAMPS - (2) 28WTS-SPS5
EX-FAN	LANDLORD	MODERN FANS	IND-GV-52-MP-NL-001	EXTERIOR CEILING FAN	120 V	86 W	12	SURFACE		LED INCLUDED

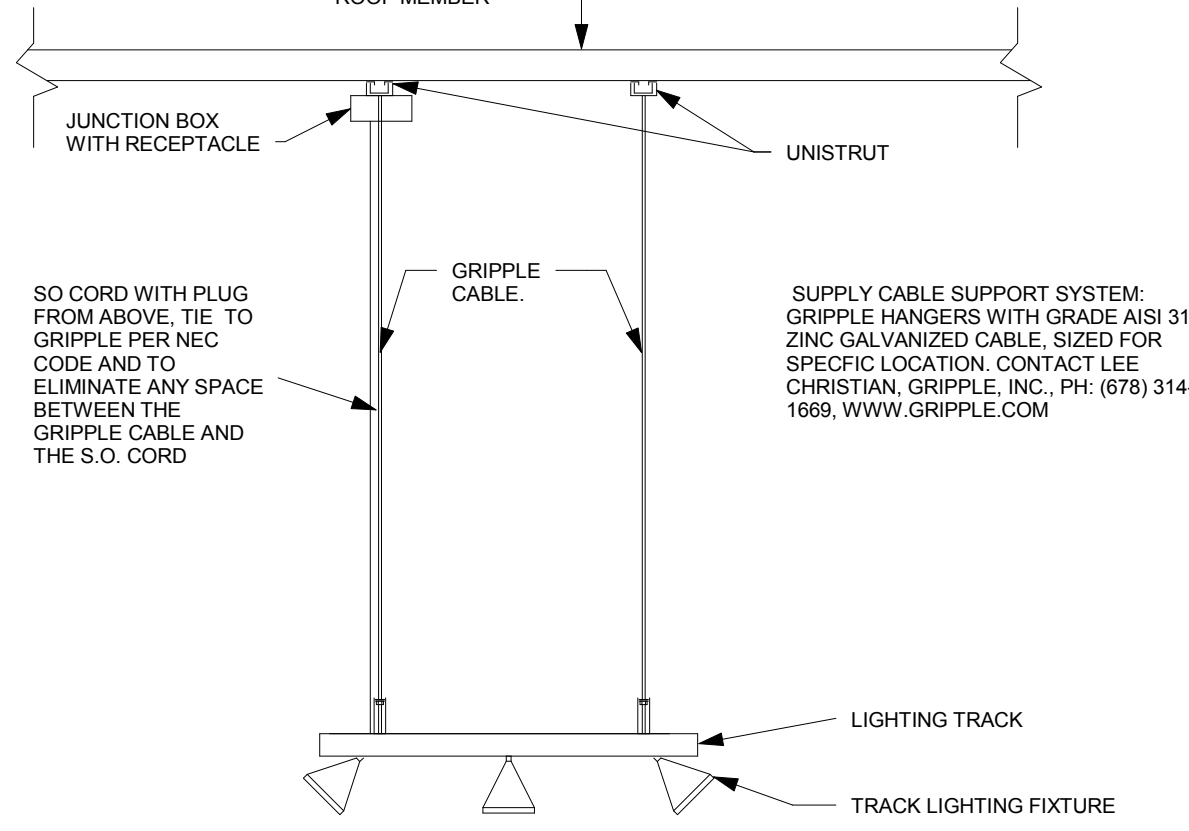
LIGHT FIXTURE SCHEDULE - INTERIOR (FURNISHED BY CONTRACTOR)

TYPE	RESPONSIBILITY	MANUFACTURER	MODEL	DESCRIPTION	VOLTAGE	WATTAGE	Count	MOUNTING CONFIGURATION	TYPICAL MOUNTING HEIGHT	NOTES
IN-FAN	CONTRACTOR	MODERN FANS	IND-GV-52-MP-NL-001	INTERIOR CEILING FAN	120 V	85 W	7	SURFACE		

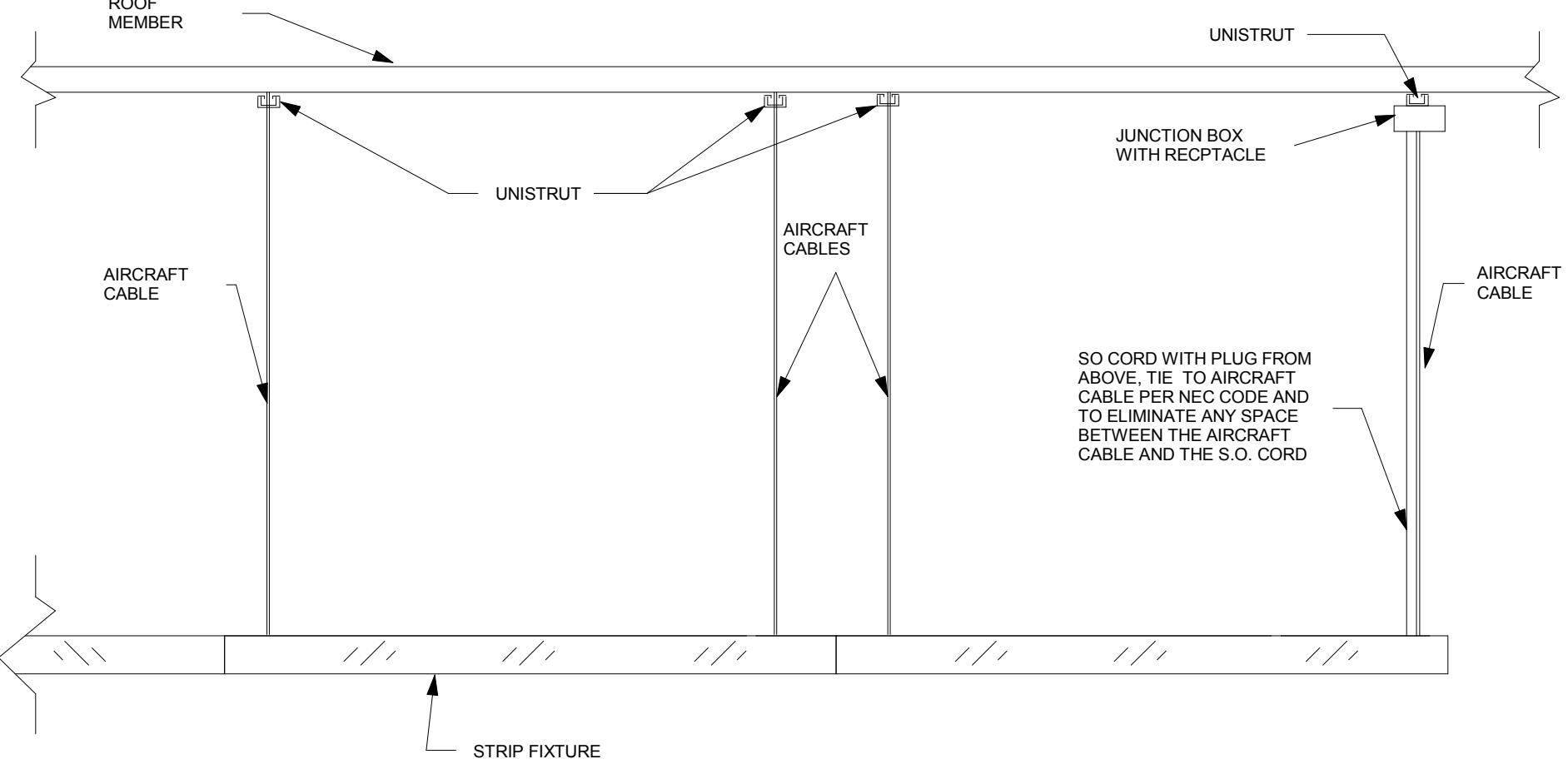


NOTES

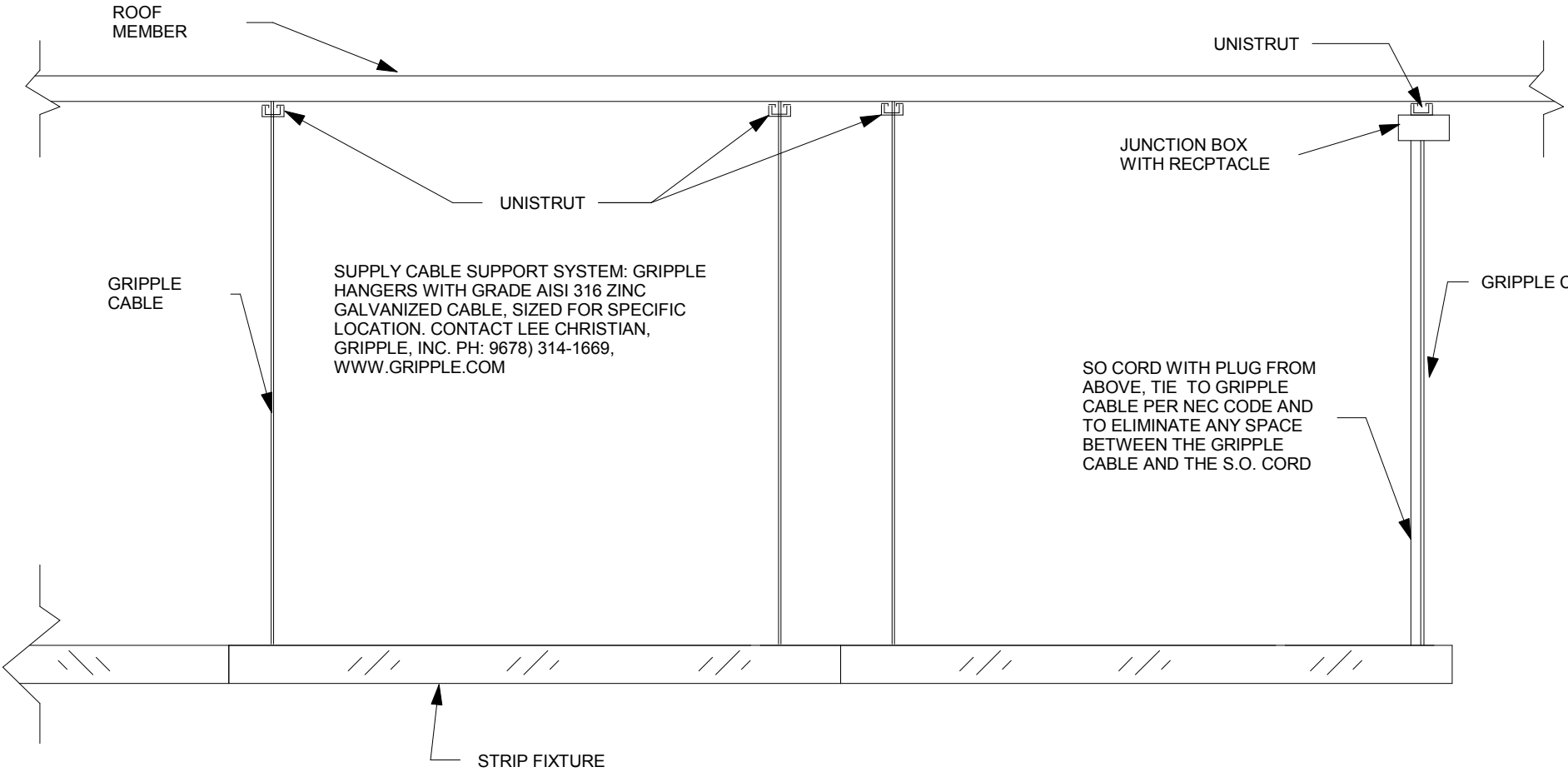
1. LIGHT FIXTURE SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING SYSTEM.



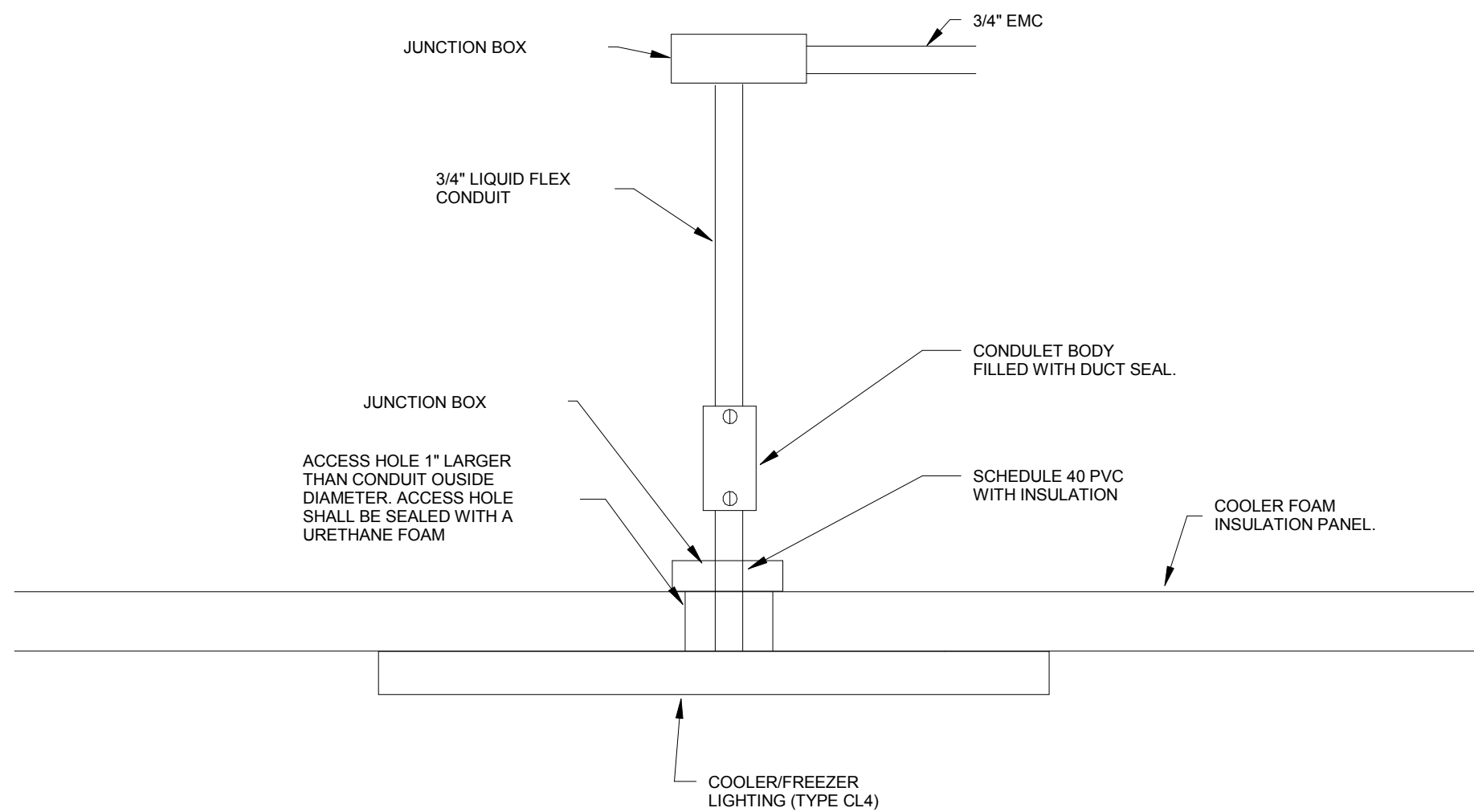
2 TRACK LIGHTING HANGING DETAIL
NOT TO SCALE



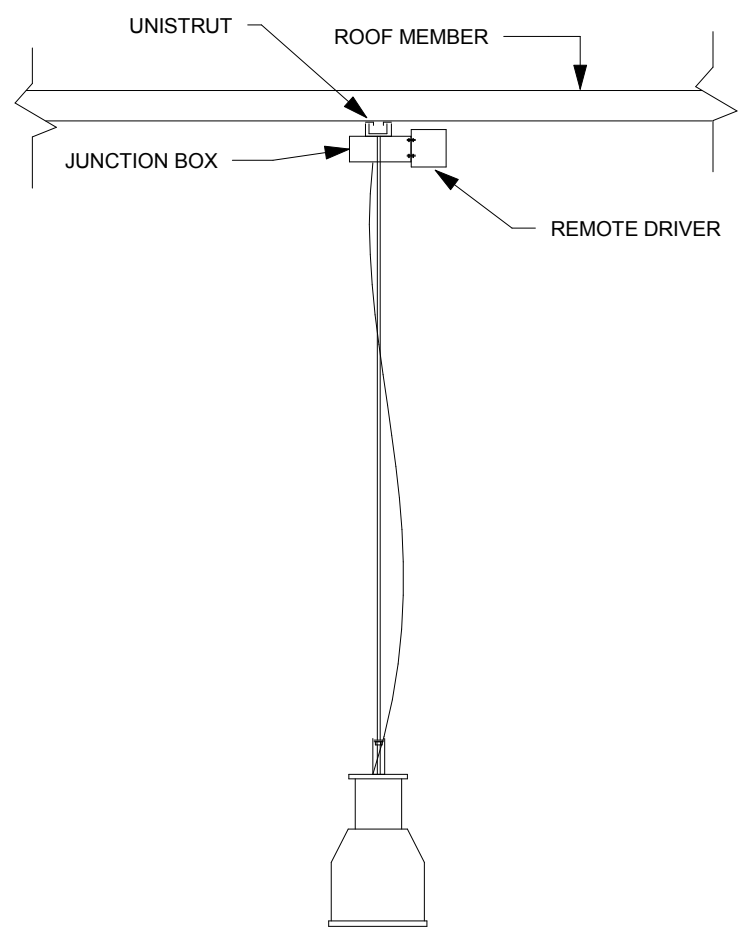
3 FIXTURE TYPE "A, A2, L" HANGING DETAIL
NOT TO SCALE



4 FIXTURE TYPE "N7" HANGING DETAIL
NOT TO SCALE



5 COOLER LIGHTING "CL4" INSTALLATION DETAIL1
NOT TO SCALE



6 "D" PENDANT INSTALLATION DETAIL1
NOT TO SCALE

GENERAL NOTES

1. ALL CONDUIT ROUTED OVERHEAD SHALL BE ATTACHED TO THE BOTTOM OF THE TOP CHORD OF THE BAR JOIST USING (CADDY CLIPS) AND ROUTED PARALLEL AND PERPENDICULAR TO STRUCTURAL STEEL.
2. CONTRACTOR SHALL CONCEAL ALL CONDUITS AND WIRING INSIDE WALLS, COLUMNS, OR UNDERSLAB.
3. FOR ALL BRANCH CIRCUITS, WIRE SIZES SHALL ALLOW NO MORE THAN A 3% TOTAL VOLTAGE DROP.
4. ALL CONDUIT THAT RUNS UNDER SLAB SHALL BE A MINIMUM OF 1" CONDUIT SHALL BE ROUTED A MINIMUM OF 6" BELOW GRADE.
5. E.C. SHALL LABEL ALL JUNCTION BOXES, OUTLETS, LIGHT SWITCHES, ETC. WITH CIRCUIT NUMBER ON COVER PLATE.
6. ALL EMERGENCY WIRING SHALL BE RUN IN SEPARATE CONDUITS AND RACEWAYS FROM NORMAL WIRING.
7. PROVIDE THE FOLLOWING AT COOLER/FREEZER PENETRATIONS AND WHERE THE TEMPERATURE DIFFERENTIAL IS 20°F OR GREATER: DO NOT SLEEVE COOLER/FREEZER PENETRATIONS. SHALL ACCESS HOLE 1" LARGER THAN CONDUIT OUTSIDE DIAMETER THRU FOAM INSULATION PANEL. INSTALL CONDUIT ON WARM SIDE OF THE PANEL. PROVIDE A SHORT PIECE OF SCHEDULE 40 PVC CONDUIT THRU THE INSULATED PANEL TO ROUTE TO TEMPERATURE TRANSDUCER. PROVIDE A SHORT PIECE OF SCHEDULE 40 PVC CONDUIT FOR 6" ON THE COLD SIDE AND FOR 1" ON THE WARM SIDE OF THE INSULATED PANEL. THE AIR SPACE AROUND THE INSULATED CONDUIT AT THE WALL PENETRATION SHALL BE SEALED WITH URETHANE FOAM AND THE CONDUIT BODY SHALL BE FILLED WITH DUCT SEAL TO PREVENT AIR AND MOISTURE MIGRATION. SEE DETAIL 25220 FOR MORE INFORMATION.
8. RECEPTACLES IN THE KITCHEN AND FOOD PREP AREAS SHALL BE 60°C TYPE WITH NUSE WET-TEMPERATURE CAST METAL CONSTRUCTION COVER. DISCONNECT SWITCHES FOR EQUIPMENT IN KITCHEN AND FOOD PREP SHALL HAVE NEMA 4 ENCLOSURES.
9. ALL LOW-VOLTAGE WIRING IN PLUMBING SPACES SHALL BE MOUNTED IN CONDUIT. DO NOT INSTALL PVC CONDUIT IN PLUMBING SPACES.
10. CONTRACTOR TO VERIFY AND COORDINATE WITH ARCHITECTURAL ELEVATION PRIOR TO ANY STUDIOS OR ROULETTE.
11. OVER COUNTER (A/C) RECEPTACLES TO BE MOUNTED AT A 12" AFF. F-MOUNTED SEWERS AND PROVIDE WEATHERPROOF IN USE BOX.

KEYNOTES E300

NOTE	DESCRIPTION
1	GENERATOR PROVIDED BY LANDLORD. EC SHALL PROVIDE CONNECTION TO GENERATOR CHARGER AND HEATER. COORDINATE WITH MANUFACTURER FOR ALL CONTROLS AND START-UP.
2	REWIRE ANNUNCIATOR FOR GENERATOR. ANNUNCIATOR PROVIDED WITH GENERATOR BY LANDLORD AND INSTALLED BY EC UNDER TI SCOPE.
3	RECEPTACLES FOR NEON SIGNS SHALL BE MOUNTED ABOVE THE COOLER. RECEPTACLES SHALL BE MOUNTED SO THAT THEY ARE NOT VISIBLE TO THE CUSTOMER. COORDINATE LOCATION AND QUANTITY WITH OWNER REPRESENTATIVE.
4	CAR CHARGER LOCATIONS: PROVIDE 1" CONDUIT AND WIRING TO DESIGNATED LOCATION (SEE CIVIL DRAWINGS FOR FINAL LOCATION). EC SHALL INSTALL CAR CHARGING DEVICES PROVIDED BY WFM. EACH CAR CHARGER SHALL HAVE A RECEPTACLE SEPARATE 100 CIRCUIT PULLED IN.
5	RECEPTACLE FOR FLY TRAPS. RECEPTACLE SHALL BE MOUNTED AT 6" AFF. CONTRACTOR SHALL HAVE IN THE BID TO ELUCIDATE RECEPTACLE AND CIRCUIT UP TO 30'. VERIFY LOCATION AND MOUNTING HEIGHT OF FLY TRAPS WITH STERITICH BEFORE INSTALLATION.
6	PROVIDE 0.25 (1/4) 3/4" CONDUIT FOR METER AND METER CONTROLS.
7	CONTRACTOR SHALL PROVIDE POWER, LOCAL DISCONNECT SWITCH, AND TROUGH TO THE BUILDING (BRIDGE). POWER TO THE SIGN WILL BE INSTALLED ABOVE 2" X 4" TROUGH WITH COVER FLUSH WITH DRY WALL. EC SHALL COORDINATE WITH SIGN MANUFACTURER FOR LENGTH OF WHIPS NEEDED TO MAKE CONNECTION TO WEATHERPROOF JUNCTION BOX. COORDINATE POWER FOR TENANT SIGNAGE WITH ANY ANNUAL DENSE SIGN AT #181044-4078.
8	GENERAL EMERGENCY SHUT OFF BUTTON ENCLOSURE SHALL BE RATED NEMA 3P.
9	ALL RECEPTACLES FOR WORKSTATION DESKS SHALL BE LOCATED AT 48" AFF.
10	EC SHALL ROUTE HOMERUN CIRCUITS OVERHEAD TO TOP OF GONDOLA. EC SHALL THEN RUN POWER TO OTHER GONDOLAS UNDER SLAB. SEE DETAIL 35360 FOR ROUTING OF WIRING THRU THE GONDOLAS. REFER TO SHEET E340 FOR DIMENSIONS TO JUNCTION BOXES.
11	RECEPTACLE FOR SCALES ARE FURNISHED IN REFRIGERATION CASES. CONTRACTOR SHALL PROVIDE POWER TO RECEPTACLE. CIRCUIT SHALL BE THRU THE GENERATOR PANEL. RECEPTACLE SHALL BE INSTALLED WITH AN ISOLATED GROUND (IG) WIRE PULLED TO THE RECEPTACLE.
12	PROVIDE CONDUIT UNDERLOOR FOR POWER TO EQUIPMENT. REFER TO SHEET E340 FOR DIMENSIONS TO FLOOR OUTLETS/JUNCTION BOXES.
13	MOUNT RECEPTACLE IN BACK PLATE OF COFFIN CASE FOR DEMONSTRATION POWER. PROVIDE THRU THE CONDUIT THAT FEEDS THE COFFIN CASE. CONDUIT TO RECEPTACLE SHALL BE PULLED UNDERSLAB.
14	ALL RECEPTACLES FOR DESKS SHALL BE LOCATED BELOW DESK AT 18" AFF.
15	PROVIDE USB OUTLET RECEPTACLES IN SEATING AREA.
16	EC SHALL MAINTAIN WORKING SPACE CLEARANCE FOR ALL ELECTRICAL EQUIPMENT PER NEC 110.26.
17	EC SHALL PROVIDE SEATITE FLEXIBLE METAL CONDUIT IN MEAT PREP AREA AND COOLER. EC SHALL ROUTE CONDUIT SO THAT IT IS NOT VISIBLE TO CUSTOMERS. CONDUIT TO EQUIPMENT AT THE WINDOW WALL SHALL BE ROUTED UNDERSLAB. CONDUIT TO EQUIPMENT ON BACK WALL SHALL BE ROUTED OUTSIDE THE COOLER THEN PENETRATE THRU COOLER WALL. RECEPTACLE SHALL BE MOUNTED FLUSH IN THE WALL WITH ONLY THE NUSE COVER PROTRUDING FROM THE WALL.
18	SCALE RECEPTACLES NOT PROVIDED WITH EQUIPMENT. EC SHALL PROVIDE RECEPTACLE.
19	ROUTE CONDUIT UNDERNEATH TABLE TOP TO AVOID DIRECT SIGHT.
20	CONTRACTOR SHALL INSTALL LIGHTING FIXTURES PROVIDED BY WFM (FLOODS) AND POWER FOR CABINET LIGHTING FIXTURES. EC TO INSTALL SWITCH FOR CONTROLS. COORDINATE FINAL LOCATION OF LIGHTING FIXTURES AND SWITCHES WITH WFM BEFORE INSTALLATION.
21	RF POWER POLE AT CHECK OUT REFRIGERATORS PROVIDED BY EC. EC SHALL PROVIDE ALL ATTACHMENTS NEEDED TO EXTEND POWER POLE TO ROOF DECK.
22	EC SHALL PROVIDE A 40AMP 208V/1PH TOGGLE SWITCH FOR DISCONNECTING MEANS FOR THE WH-1. TOGGLE SWITCH SHALL BE LOCATED IN CABINET NEXT TO THE WH-1.
23	POWER TO EQUIPMENT IS CONNECTED TO CEILING MOUNTED JUNCTION BOX BY SO CORO WITH KELLUM GRIP AT BOTH ENDS FOR SUPPORT.
24	EC SHALL REFER TO DETAIL 1A390 FOR LOCATION OF POWER POLE AT TYPE H REGISTERS.
25	PROVIDE BREAKOUT CIRCUIT AND BREAKER RECEPTACLE FOR EACH BEER BAR. ENSURE CIRCUIT BREAKERS ARE RATED RATED.
26	RECEPTACLES IN THE COFFEE SERVICE AREA ARE THAT ARE SHOWN ABOVE. COUNTER SHALL BE MOUNTED AT 48" AFF TO THE BOTTOM OF THE RECEPTACLE.
27	PROVIDE EDWARDS M851000 BELL AND EDWARDS W63 BRACKS PUSH BUTTON.
28	TYPE DUL LIGHTING FIXTURES ARE MOUNTED AT 48" AFF AND PLUGGED INTO RECEPTACLE.
29	WALL BODY STUD UPS SHALL BE LOCATED AT THE END OF ENCLIPS TO AVOID SHELVING INTERFERENCE WITH JUNCTION BOX. FLEX CABLE TO FEED RECEPTACLES IN GONDOLA.
30	POWER FOR EQUIPMENT IS MOUNTED ABOVE COOLER.
31	RECEPTACLES FEED FROM PANELS C1, C2, C3 AND C4 SHALL HAVE AN ISOLATED GROUND (IG) WIRE PULLED TO RECEPTACLE.
32	UTILITY TRANSFORMER INSTALLED BY LANDLORD.
33	INTERCEPT AND EXTEND CONDUIT BACK TO PANEL. THE
34	COORDINATE ETP LOCATION WITH MECHANICAL CONTRACTOR AND RUN DRAWINGS PRIOR TO ANY PENETRATIONS OR ROUGH IN.
35	CONDUIT FOR THE POWER TO THE CASE CASE RECEPTACLES SHALL NOT BE STUBBED UP DIRECTLY UNDER THE CASE CASE TABLE. CONTRACTOR SHALL BRING UP POWER UNDER THE REFRIGERATED CASE. MOUNT RECEPTACLE ON JUNCTION BOX TO THE RECEPTACLE OF THE CASE. THEN RUN FLEX CONDUIT BELOW THE BOTTOM OF THE CASE CASE TO A RECEPTACLE. COORDINATE ROUTING WITH WFM PROJECT MANAGER BEFORE INSTALLATION.
36	POWER TO THE PIZZA OVEN SHALL BE ROUTED UNDERSLAB. EC SHALL PROVIDE A WIP FLOOR BOX AND ROUTE FLEX CONDUIT TO A WIPFLOOR OUTLET. WIPFLOOR OUTLET SHALL BE INSTALLED ON THE LED OF THE PIZZA OVEN.
37	CONTRACTOR SHALL PROVIDE 2" CONDUIT IN SLAB. POWER WILL BE CONNECTED TO A LOAD CENTER THAT IS PROVIDED WITH THE BAR. CONTRACTOR SHALL VERIFY FINAL ELECTRICAL LOADS TO THE BAR BEFORE INSTALLING ANY WIRING.
38	POWER DEVICES AND CIRCUITING FOR ELEVATOR EQUIPMENT AND ELEVATOR PIT IS PROVIDED BY DEVELOPER.

2 MDF PLAN

1/4" = 1'-0"

5.5

3 ELECTRICAL MEZZANINE PLAN

1/8" = 1'-0"

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ISSUE RECORD

DATE	DESCRIPTION
09/16/2016	PERMIT SET
02/13/2017	BID SET

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE

ONOFRE MAYUGA

PROJECT MANAGER

SLADE HOLLADAY

QUALITY CONTROL

ONOFRE MAYUGA

DRAWN BY

KATHERINE MCKEEVER

PROJECT NAME

WHOLE FOODS

MARKET

TENANT

MARKET KENNESAW, GA

1300 ERNEST

BARRETT PKWY,

SUITE 500

KENNESAW, GA 30152



PROJECT NUMBER

20150922.0

SHEET TITLE

POWER PLAN

SHEET NUMBER

E300

ISSUED FOR CONSTRUCTION

GENERAL NOTES

1. ALL CONDUIT ROUTED OVERHEAD SHALL BE ATTACHED TO THE BOTTOM OF THE TOP CHORD OF THE BAY JOIST USING CADDY CLIPS AND ROUTER PARALLELS, AND PERPENDICULAR TO STRUCTURAL STEEL.
2. CONTRACTOR SHALL CONCEAL ALL CONDUITS AND WIRING INSIDE WALLS, COLUMNS, OR UNDERSLABS.
3. FOR ALL BRANCH CIRCUITS, WIRE SIZES SHALL ALLOW NO MORE THAN A 5% TOTAL VOLTAGE DROP.
4. ALL CONDUIT THAT RUNS UNDERSLAB SHALL BE A MINIMUM OF 1" CONDUIT SHALL BE INSTALLED A MINIMUM OF 6" BELOW GRADE.
5. E.E. SHALL LABEL ALL JUNCTION BOXES, OUTLETS, LIGHT SWITCHES, ETC. WITH CIRCUIT NUMBER ON COVER PLATE.
6. ALL EMERGENCY WIRING SHALL BE RUN IN SEPARATE CONDUITS AND RACEWAYS FROM NORMAL WIRING.
7. PROVIDE THE FOLLOWING AT COOLER/FREEZER PENETRATIONS AND WHERE THE TEMPERATURE DIFFERENTIAL IS 20°F OR GREATER. DO NOT RELY ON COOLER/FREEZER PENETRATIONS. DRILL ACCESS HOLE 1" LARGER THAN CONDUIT OUTSIDE DIAMETER. INSULATE PENETRATION WITH 1" POLYURETHANE INSULATION. PROVIDE 1/2" VENT INSULATION OVER THE CONDUIT FOR 6" ON THE COLD SIDE AND FOR 20" ON THE WARM SIDE OF THE INSULATED PANEL. THE AIR SPACE AROUND THE INSULATED CONDUIT AT THE WALL PENETRATION SHALL BE SEALED WITH A URETHANE FOAM AND THE CONDUIT BODY SHALL BE FIELDED WITH DUCT SEAL TO PREVENT AIR AND MOISTURE INMIGRATION. SEE DETAIL 56220 FOR MORE INFORMATION.
8. RECEPTACLES IN THE KITCHEN AND FOOD PREP AREAS SHALL BE GFCI TYPE WITH IN-USE WEATHERPROOF DIE CAST METAL CONSTRUCTION COVERS. DISCONNECT SWITCHES FOR EQUIPMENT IN KITCHEN AND FOOD PREP SHALL HAVE NEMA 4 ENCLOSURES.
9. ALL DISCONNECT SWITCHES SHALL BE FURNISHED BY THE SWITCHGEAR MANUFACTURER.

KEYNOTES E340	
NOTE	DESCRIPTION
1	PROVIDE A SEPARATE FLOOR OUTLET AT THIS LOCATION FOR COMMUNICATION CABLES. SIZE AS REQUIRED.
2	PROVIDE A SEPARATE J-BOX AT THIS LOCATION FOR COMMUNICATION CABLES. SIZE AS REQUIRED.
3	STUB UP TO BE UNDER WALL. FIELD COORDINATE LOCATION PRIOR TO ROUGH IN.
4	STUB UP TO BE LOCATED UNDER LEG OF WALKWAY DESK. COORDINATE LOCATION PRIOR TO ROUGH IN.
5	PROVIDE 2" CONDUIT FOR POWER TO THIS EQUIPMENT.
6	POWER AT THIS LOCATION TO BE ROUTED THROUGH REFRIGERATION TRENCH.

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ISSUE RECORD

DATE	DESCRIPTION
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09/10/2016 PERMIT SET

02/13/2017 BID SET

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE

ONOFRE MAYUGA

PROJECT MANAGER

SLADE HOLLADAY

QUALITY CONTROL

ONOFRE MAYUGA

DRAWN BY

KATHERINE MCKEEVER

PROJECT NAME

WHOLE FOODS

MARKET

TENANT

MARKET KENNESAW,

GA

1300 ERNEST

BARRETT PKWY.,

SUITE 500

KENNESAW, GA 30152



PROJECT NUMBER

20150922.0

SHEET TITLE

ELECTRICAL

STUB-UP

DIMENSION PLAN

SHEET NUMBER

E340

ISSUED FOR CONSTRUCTION

3 STUB UP MEZZANINE PLAN
1/8" = 1'-0"1 ELECTRICAL STUB UP DIMENSION PLAN
1/8" = 1'-0"

GENERAL NOTES

- ALL CONDUIT ROUTED OVERHEAD SHALL BE ATTACHED TO THE BOTTOM OF THE TOP CHORD OF THE BAR JOIST USING CADDY CLIPS AND ROUTED PARALLEL AND PERPENDICULAR TO STRUCTURAL STEEL.
- CONTRACTOR SHALL CONCEAL ALL CONDUITS AND WIRING INSIDE WALLS, COLUMNS, OR UNDER SLAB.
- FOR ALL BRANCH CIRCUITS, WIRE SIZES SHALL ALLOW NO MORE THAN A 3% TOTAL VOLTAGE DROP. THAT TRANSFORMERS SHALL BE A MINIMUM OF 1" CONDUIT SHALL BE ROUTED A MINIMUM OF 6" BELOW GRADE.
- E.C. SHALL LABEL ALL JUNCTION BOXES, OUTLETS, LIGHT SWITCHES, ETC. WITH CIRCUIT NUMBER ON COVER PLATE.
- ALL EMERGENCY WIRING SHALL BE RUN IN SEPARATE CONDUITS AND RACEWAYS FROM NORMAL WIRING.
- PROVIDE THE FOLLOWING AT COOLER/FREEZER PENETRATIONS AND WHERE THE TEMPERATURE DIFFERENTIAL IS 20F OR GREATER: SEE DETAIL 95220 FOR MORE INFORMATION.
- RECEPTACLES IN THE KITCHEN AND FOOD PREP AREAS SHALL BE 20A TYPE WITH IN-USE WEATHERPROOF DIE CAST METAL CONSTRUCTION COVERS. DISCONNECT SWITCHES FOR EQUIPMENT IN KITCHEN AND FOOD PREP SHALL HAVE REMA-T-4 ENCLOSURES.
- ALL DISCONNECT SWITCHES SHALL BE FURNISHED BY THE SWITCHGEAR MANUFACTURER.
- ALL LOW VOLTAGE WIRING IN PLenum SPACES SHALL BE IN CONDUIT. DO NOT INSTALL ANY PVC IN PLenum SPACES.

KEYNOTES E350	
NOTE	DESCRIPTION
1	EXISTING CONDUIT AND WIRING TO GFCI WP RECEPTACLES (PROVIDED BY DEVELOPER).
2	EC SHALL PROVIDE FINAL CONNECTION TO PANEL AND CIRCUIT AS SHOWN.
3	EC SHALL PROVIDE WIRING FOR ALL EMS PANELS. REFRIGERATION CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO EMS. REFER TO EMS DRAWINGS FOR LOCATIONS AND ROUTING.
4	AIR CURTAIN SHALL ALWAYS BE ON DURING STORE HOURS (CONTROLLED BY EMS).
5	COORDINATE ROUTING OF CONDUIT WITH ARCH BEFORE INSTALLATION.
6	REFER TO CAPTIVEWARE DRAWINGS (K000) FOR WIRING OF FAN POWER AND ANSL SYSTEM IN HOOD. EC SHALL PROVIDE CONNECTION TO FAN CONTROLLER LOCATED IN HOODS.
7	CONTRACTOR SHALL PROVIDE CONTROL WIRING FROM HOOD CABINET TO HOODS. CONTROL WIRING SHALL BE ROUTED IN CONDUIT. REFER TO CAPTIVEWARE DRAWINGS AND MECHANICAL DRAWINGS (K002) FOR MORE INFORMATION.
8	EC SHALL INSTALL HAND-OFF-AUTOMATIC SWITCH FOR AIR CURTAIN. AIR CURTAIN SHALL OPERATE WHEN DOOR OPENS (CONTROLLED BY DOOR SWITCH). EC SHALL INSTALL MAGNETIC SWITCH THAT IS PROVIDED WITH UNIT.
9	GC TO VERIFY THAT EQUIPMENT AND CIRCUITING HAS BEEN PROVIDED BY LANDLORD. IF CIRCUITING NOT PROVIDED, CONNECT TO CIRCUITS SHOWN.
10	CONTRACTOR SHALL PROVIDE CONTROL WIRING FROM REMOTE TEMP SENSOR TO CONTROL PANEL. CONTROL WIRING SHALL BE ROUTED IN CONDUIT. REFER TO CAPTIVEWARE DRAWINGS AND MECHANICAL DRAWINGS (K002) FOR MORE INFORMATION.
11	BEFORE INSTALLATION, FOR FANS THAT OPEN WITH A HINGED TOP, THE CONDUIT SHALL BE ROUTED AS TO NOT INTERFERE WITH OPENING OF FANS (OPPOSITE SIDED TO THE HINGES).
12	EXISTING EQUIPMENT DISCONNECTS AND CIRCUITING PROVIDED BY LANDLORD.
13	POWER FOR EXHAUST FAN/MAU FAN SHALL BE ROUTED THRU A VARIABLE FREQUENCY DRIVE THEN TO THE HOOD CONTROLLER. POWER FOR EACH EXHAUST FAN MAU FAN TO THE HOOD CONTROLLER SHALL BE ROUTED INDIVIDUAL CONDUITS.
14	SCULLERY EXHAUST FAN SHALL BE INTERLOCKED WITH DISHWASHER SWITCH. EC SHALL PROVIDE NECESSARY EQUIPMENT TO INTERLOCK WITH EXHAUST FAN.
15	RESTROOM EXHAUST FAN SHALL BE INTERLOCKED WITH RESTROOM LIGHTING SWITCH. LIGHTS ARE 27V AND FANS ARE 20V. EC SHALL PROVIDE NECESSARY EQUIPMENT TO INTERLOCK WITH EXHAUST FAN.
16	POWER TO CONDENSING UNITS ON ROOF: AHU IS POWERED BY CONDENSING UNIT.
17	PIZZA OVEN EXHAUST FAN CONTROLLED BY HEAT SENSOR AND MANUAL SWITCH. PROVIDED BY CAPTIVEWARE. HEAT SENSOR TO OVERSPEED MANUAL SWITCH. REFER TO CAPTIVEWARE DRAWINGS (K000, M001, M002, M003) FOR MORE INFORMATION.
18	UNIT HEATERS TO BE CONTROLLED THROUGH EMS SYSTEM. SEE EMS DRAWINGS FOR WIRING.
19	DISCONNECT SWITCH PROVIDED WITH UNIT BY MANUFACTURER.
20	EC SHALL INSTALL RECEPTACLE FOR CONDENSATE PUMP. RECEPTACLE SHALL BE INSTALLED LAST BELOW THE AHU.
21	RACK OVEN EXHAUST FAN CONTROLLED THRU THE POWER SWITCH OF THE RACK OVEN. EC SHALL PROVIDE NECESSARY EQUIPMENT TO INTERLOCK THE OVEN WITH THE EXHAUST FAN.

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ISSUE RECORD

DATE	DESCRIPTION
09/19/2016	PERMIT SET
02/13/2017	IBD SET

1 MECHANICAL POWER PLAN

1/8" = 1'-0"

E350

ISSUED FOR CONSTRUCTION

[illegible][illegible]

2 DATA MEZZANINE PLAN
1/8" = 1'-0"

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

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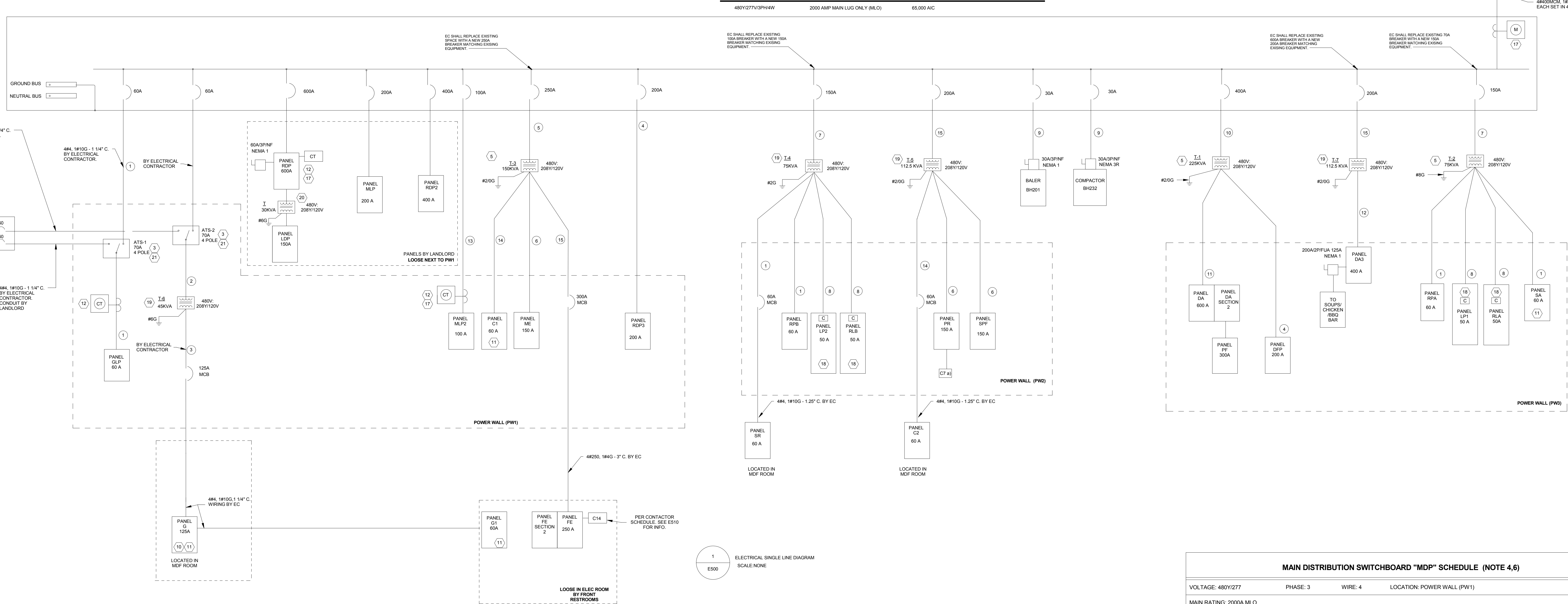
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ISSUE RECORD

DATE	DESCRIPTION
09/19/2016	PERMIT SET
02/13/2017	BID SET

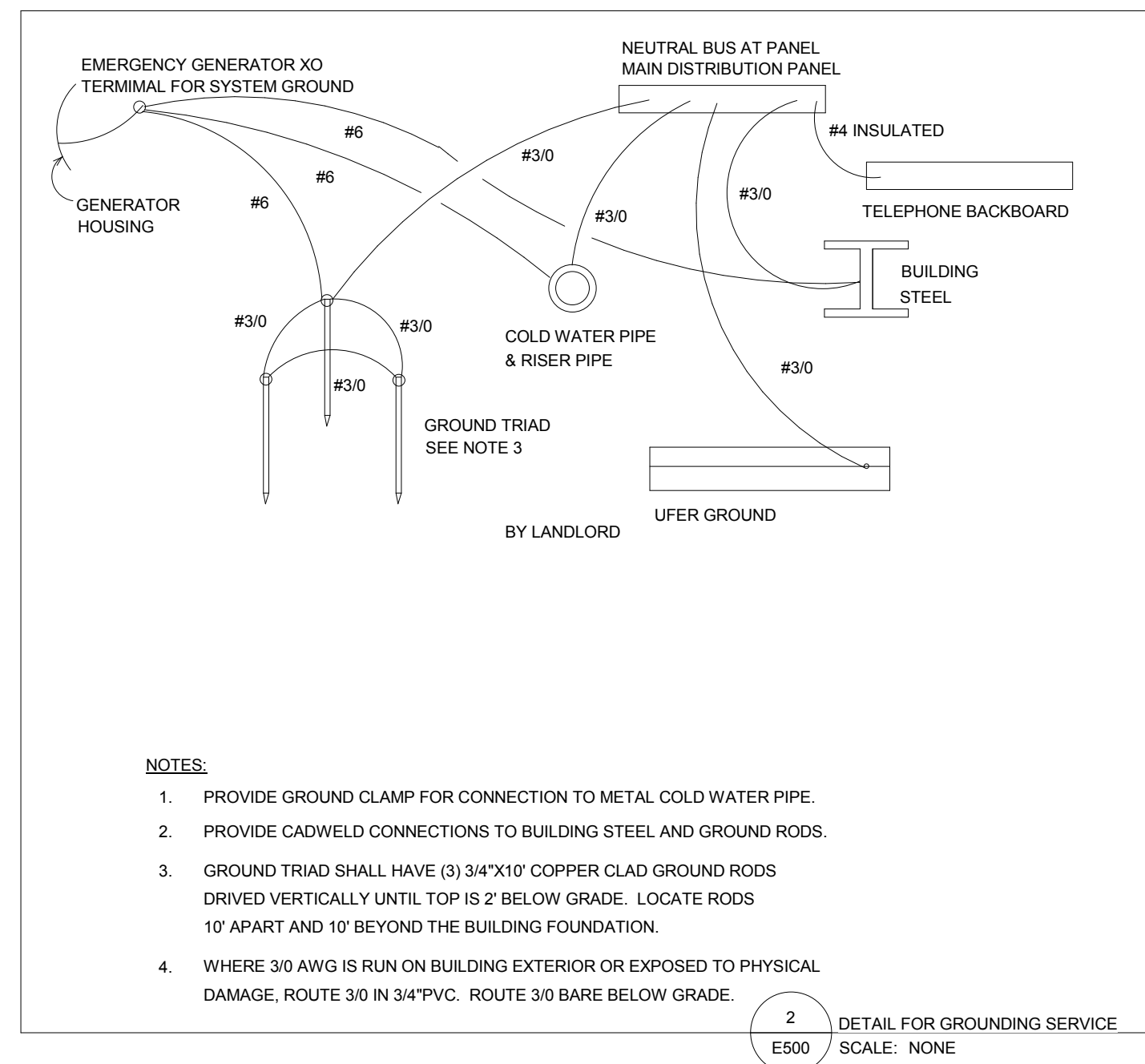
SWITCHGEAR MANUFACTURER SHALL ALSO REFER TO DRAWINGS E100, E300, E320, E350, E510, E520, E530, EM1.1, EM2.1, EM2.2, EM2.3, EM3.1 AND EM4.1 FOR MORE INFORMATION.

EXISTING MAIN SERVICE RATED DISTRIBUTION PANEL 'MDP'



KEY NOTES

- GENERATOR SHALL BE GENERAC NATURAL GAS GENERATOR. GENERATOR SHALL BE FURNISHED BY LANDLORD. GENERATOR SHALL COMPLY TO ALL CODES INCLUDING BUT NOT LIMITED TO NFPA 101 AND NFPA 110. BREAKERS IN GENERATOR SHALL HAVE SEPARATION IN THE ENCLOSURE.
- BOND GENERATOR NEUTRAL TO GROUND AT GENERATOR.
- AUTOMATIC TRANSFER SWITCHES (ATS) (RATED AT 65K AIC) ARE PROVIDED BY SWITCHGEAR MANUFACTURER.
- PROVIDE PHASE ROTATION INDICATOR AND A PERMANENT NOTE NEAR THE CIRCUIT BREAKER INDICATING "CLOSE AFTER VERIFYING THE CORRECT PHASE ROTATION". INDICATOR SHALL ALSO BE VISIBLE WHEN THE SWITCHGEAR DOOR IS CLOSED.
- SUSPENDED TRANSFORMERS SHALL BE FURNISHED BY SWITCHGEAR MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR. REFER TO DETAIL E360 AND STRUCTURAL DETAILS FOR HANGING TRANSFORMERS. WIRING AND RACEWAY FROM TRANSFORMERS TO PANELS WILL BE PROVIDED BY SWITCHGEAR MANUFACTURER AND INSTALLED AND FIELD CONNECTED BY ELECTRICAL CONTRACTOR.
- CONTACTOR CABINET SHALL BE PROVIDED BY SWITCHGEAR MANUFACTURER. CONTACTORS SHALL BE PRE-INSTALLED AND PRE-WIRED DIRECTLY TO THE CONTROL BOARD.
- CONTACTORS PROVIDED BY SWITCHGEAR MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR. SEE E510 FOR CONTACTOR INFORMATION.
- NOT USED
- 15 KVA, 3 PHASE, 208V UPS PROVIDED BY OWNER AND INSTALLED BY EC. UPS FURNISHED WITH INTERNAL MAINTENANCE BYPASS. UPS MANUFACTURER TO PROVIDE (2) FREESTANDING 20A, 3 PHASE PLOUGSTRIPS WITH UNIT. PLOUGSTRIPS TO BE INSTALLED BY ELECTRICAL CONTRACTOR.
- PANEL FURNISHED BY SWITCHGEAR MANUFACTURER AND INSTALLED BY EC.
- PROVIDE ISOLATED GROUND BUS IN PANEL. REFER TO DETAIL E2360
- CTS PROVIDED BY SWITCHGEAR MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR. METERING PROVIDED BY OWNER. INSTALLATION INCLUDES WIRING OF CTS.
- AVAILABLE SHORT CIRCUIT AT THE SWITCHBOARD SHALL BE LABELED BY A PERMANENT CAUTION LABEL ON THE SWITCHBOARD.
- SWITCHGEAR MANUFACTURER SHALL PROVIDE 1800 AMP CIRCUIT BREAKER WITH KW KEY INTERLOCK TO 2000A MAIN BREAKER IN MBS LINE SIDE BUS SHALL BE EXTENDED INTO BUS FULL SECTION OF SWITCHGEAR.
- BUS SHALL BE RATED FOR 1800 AMPS AND HAVE ADEQUATE SPACE FOR 2 MEANS OF LANDING CONDUCTORS. PROVIDE ADEQUATE BUS LENGTH FOR LANDING 5 SETS OF 4#40KCMIL AND 4#40 GND. BUS SHALL ALSO HAVE 7 SETS PER PHASE, NEUTRAL, AND GROUND OF GENERATOR QUICK CONNECTS (CAM LOCKS) SIZED FOR #40 AVG CONDUCTOR. PROVIDE SIX 4" CONDUITS TO EXTERIOR LOCATION FOR FUTURE CONNECT. SEE E300 FOR BUS BAR LOCATION.
- SWITCHGEAR MANUFACTURER SHALL PROVIDE CONNECTION INSTRUCTIONS IN LAMINATE PAPER. EC SHALL RECEIVE FROM THE INSTRUCTION LAMINATE AND INSTALL ALL DECALS/STICKERS ON THE APPROPRIATE PIECES OF EQUIPMENT. REGARDLESS OF WHETHER OR NOT THESE PIECES OF EQUIPMENT WERE INSTALLED UNDER THIS CONTRACT.
- CTS PROVIDED BY SWITCHGEAR MANUFACTURER AND INSTALLED BY EC. INSTALLATION INCLUDES WIRING OF THE CTS.
- HANGING CONTACTORS ARE FULLY CONTACTED AHEAD OF THE PANEL'S MAIN BREAKER.
- WALL MOUNTED TRANSFORMERS SHALL BE FURNISHED BY SWITCHGEAR MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH SWITCHGEAR MANUFACTURER FOR INSTALLATION OF TRANSFORMER SO THAT THE CHASE AT THE TRANSFORMER AND CHASE IN THE CABINET ARE LINED-UP PROPERLY. WIRING AND RACEWAY FROM TRANSFORMERS TO PANELS WILL BE PROVIDED BY SWITCHGEAR MANUFACTURER AND INSTALLED AND FIELD CONNECTED BY ELECTRICAL CONTRACTOR.
- LANDLORD PROVIDED ELECTRICAL PANELS AND TRANSFORMERS.
- EC SHALL COORDINATE WITH GENERATOR MANUFACTURER FOR ALL CONTROL WIRING FROM THE GENERATOR TO THE ATS'S AND THE REMOTE ANNUNCIATOR.



GENERAL NOTES

- REFER TO PANEL SCHEDULE DRAWINGS FOR ALL BRANCH CIRCUIT WIRING INFORMATION.
- NOT USED
- ELECTRICAL PANELS, CONTACTORS AND DISCONNECTS ARE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ALL DISCONNECTS (FOR SWITCHGEAR, MECHANICAL EQUIPMENT AND DEPARTMENT EQUIPMENT) SHALL BE FURNISHED BY SWITCHGEAR MANUFACTURER AND INSTALLED BY ELECTRICAL CONTRACTOR.
- EC SHALL BE RESPONSIBLE FOR COORDINATING THE UPS STARTUP WITH THE LOCAL REPRESENTATIVE BY COMPLETING THE COMMISSIONING CHECKLIST LOCATED ON THIS SHEET.
- SWITCHGEAR MANUFACTURER SHALL PROVIDE PROPER LABELING ON ALL BOARDS (IDENTIFYING POWERWALL SECTION, PANEL NAME, DP CABINET (IF PERSONNEL ONLY), CONTACTORS, EMS CONTROLS, ETC.)
- METERING SHALL BE FURNISHED AND PRE-WIRED BY THE SWITCHBOARD MANUFACTURER. IF THE METERING CANNOT BE PRE-WIRED DUE TO A BREAK IN THE SWITCHBOARD, THEN THE SWITCHBOARD MANUFACTURER SHALL PROVIDE ENOUGH WIRING FOR THE EC TO TERMINATE THE WIRING. THE WIRING SHALL BE LABELED TO IDENTIFY WHERE THE LANDING SHALL OCCUR. THE SWITCHBOARD MANUFACTURER SHALL REFER TO E504.1 FOR THE FINAL COUNT OF METERING. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, THEN EM4.1 SHALL BE THE DIRECTION TO USE.

MAIN DISTRIBUTION SWITCHBOARD "MDP" SCHEDULE (NOTE 4,6)						
VOLTAGE: 480Y/277		PHASE: 3		WIRE: 4	LOCATION: POWER WALL (PW1)	
MAIN RATING: 2000A MLO						
CKT. NO	DESCRIPTION	CIRC. BKR.	KW	FEEDER/CONDUCTOR SIZE	FEEDER DESIG.	NOTES
1	ATS-1/PANEL GLP	60	-	4#4, #10 G-1 1/4"	1	2,4
2	ATS-2/TRANS T-6	60	-	(PRIMARY) 3#4, #10G-1 1/4"	2	2
	PANEL G	125	-	4#10, #6G-2"	3	2
3	PANEL RDP	600	-	WIRING BY LANDLORD		6
4	PANEL MLP	200	-	WIRING BY LANDLORD		3
5	PANEL RDP2	400	-	WIRING BY LANDLORD		3
6	PANEL MLP2	100	-	4# 1, #6G-1 1/2"	13	3
7	RDP3	200	-	4#30, #6G-2"	4	3
8	TRANSF. T-3	250	-	(PRIMARY) 3#30, #6G-2"	9	2
	PANEL ME	150	-	4#10, #6G-2"	6	3
	PANEL C1	60	-	4#4, #10G-1 1/4"	14	3
	PANEL FE	250	-	4#250, 1#4G-3" C.	15	
9	TRANSF. T-4	150	-	(PRIMARY) 3#10, #6G-2"	7	2
	PANEL RPB	60	-	4#4, #10G-1 1/4"	1	3
	PANELS LP2	50	-	4#6, #10G-1"	8	3
	PANELS RLB	50	-	4#6, #10G-1"	8	3
	PANELS SR	60	-	4#4, #10G-1 1/4"	1	2
10	TRANSF. T-5	200	-	(PRIMARY) 3#30, #6G-2"	16	3
	PANEL SPF	150	-	4#10, #6G-2"	6	3
	PANEL PR	150	-	4#10, #6G-2"	6	3
	PANEL C2	60	-	4#4, #10G-1 1/4"	14	3
11	BALER	30	-	3#10, #10G-3/4"	9	2
12	COMPACTOR	30	-	3#10, #10G-3/4"	9	2
13	TRANSF. T-1	400	-	2 SETS OF 3#30, #3G. EACH SET IN 2"	10	2
	PANEL DA	600	-	2 SETS OF 4#50, #10G. EACH SET IN 3"	11	3
	PANEL DFP	200	-	4#30, #6G-2"	4	3
14	TRANSF. T-2	200	-	(PRIMARY) 3#30, #6G-2"	15	3
	PANEL DAT	400	-	2 SETS OF 4#30, #3G. EACH SET IN 2"	12	2
15	TRANSF. T-2	150	-	(PRIMARY) 3#10, #6G-2"	7	2
	PANEL RPA	60	-	4#4, #10G-1 1/4"	1	3
	PANEL RLA	50	-	4#6, #10G-1"	8	3
	PANEL LP1	50	-	4#6, #10G-1"	8	3
	PANEL SA	60	-	4#4, #10G-1 1/4"	1	3
NOTES:						
1. ALL CIRCUIT BREAKERS ARE 3 POLE.						
2. WIRING AND CONDUIT PROVIDED BY ELECTRICAL CONTRACTOR.						
3. WIRING AND CONDUIT PROVIDED BY PREFABRICATED SWITCHGEAR MANUFACTURER, INSTALLED BY EC.						
4. SWITCHGEAR MANUFACTURER SHALL PROVIDE CTS AND CONTROL WIRING. EC SHALL TERMINATE CONTROL WIRING THAT IS PROVIDED LOOSE BY SWITCHGEAR MANUFACTURER. REFER TO E504 FOR MORE INFORMATION.						
5. SWITCHGEAR MANUFACTURER SHALL PROVIDE CTS AND CONTROL WIRING. REFER TO E504 FOR MORE INFORMATION.						
6. PANEL PROVIDED BY LANDLORD.						

Panel: MDP

VOLTAGE: 480/277 Vwv
PHASE: 3
WIRE: 4

LOCATION: PW1
SIZE/RATING: 2000 A
MOUNTING: PREFAB GEAR

STORE: KENNESAW, GA
AG. RATING: 85000
GROUND BUS: SH

CKT	Wire Size	Description	Trip	Poles	A	B	C	Poles	Trip	Description	Wire Size	CKT
1	3-#350, 1-#350....	TFMR 'T3'	250 A	3	36379	34062		3	200 A	TFMR 'T5'	3-#250, 1-#250....	2
3	--	--	--	--		32956	37652	--	--	--	--	4
5	--	--	--	--			33405	35002	--	--	--	6
7	3-#30, 1-#30, 1-#6	TFMR 'T4'	150 A	3	12647	9270		3	100 A	PANEL 'MLP2'	3-#1, 1-#1, 1-#8	8
9	--	--	--	--		14364	9069	--	--	--	--	10
11	--	--	--	--			12411	8313	--	--	--	12
13	3-#750, 1-#750....	PANEL 'RDP2'	400 A	3	120671	5775		3	60 A	PANEL 'GLP'	3-#4, 1-#4, 1-#10	14
15	--	--	--	--		120671	5631	--	--	--	--	16
17	--	--	--	--			120671	4376	--	--	--	18
19	3-#750, 1-#750....	TFMR 'T1'	400 A	3	113568	17287		3	150 A	TFMR 'T2'	3-#30, 1-#30, 1-#40	20
21	--	--	--	--		121711	20670	--	--	--	--	22
23	--	--	--	--			116660	16874	--	--	--	24
25	3-#10, 1-#10, 1-#10	BALER	30 A	3	1680	95826		3	600 A	PANEL 'RDP'	2 runs of 3-#500....	26
27	--	--	--	--		1680	98286	--	--	--	--	28
29	--	--	--	--			1680	96071	--	--	--	30
31	3-#4, 1-#4, 1-#4	COMPACTOR	30 A	3	11625	3200		3	200 A	PANEL 'MLP'	3-#250, 1-#250....	32
33	--	--	--	--		11625	1600	--	--	--	--	34
35	--	--	--	--			11625	1600	--	--	--	36
37	3-#250, 1-#250....	PANEL 'RDP3'	200 A	3	43600	31531		3	200 A	TFMR 'T7'	3-#250, 1-#250....	38
39	--	--	--	--		43600	31761	--	--	--	--	40
41	--	--	--	--			43600	30321	--	--	--	42
43	--	--	--	--								44
45	--	--	--	--								46
47	--	--	--	--								48
49	--	--	--	--								50
51	--	--	--	--								52
53	--	--	--	--								54
Total Load:					537121 VA	551276 VA	526069 VA					
Total Amps:					1942 A	1993 A	1923 A					

NOTES:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Cooling	626 VA	100.00%	626 VA	
Equipment	11775 VA	100.00%	11775 VA	
Kitchen Equipment - Non-Dwelling Unit	50021 VA	65.00%	32510 VA	
Lighting	17860 VA	100.00%	17860 VA	
Lighting - Dwelling Unit	3410 VA	92.18%	3144 VA	
Motor	679873 VA	100.00%	679873 VA	
Other	204459 VA	100.00%	204459 VA	
Power	46352 VA	100.00%	46352 VA	
Receptacle	94444 VA	55.29%	52222 VA	
LARGEST MOTOR	62313 VA	125.00%	77891 VA	
				Total Conn. Load: 1621132 VA
				Total Est. Demand: 1419215 VA
				Total Conn.: 1993 A
				Total Est. Demand: 1707 A

NOTES:

Panel: GLP

VOLTAGES: 480/277 Vwv

LOCATION: PW1

STORE: KENNESAW GA

PHASE: 3

SIZE/RATING: 60 A

AIR RATING: 5500

WIRE: 4

MOUNTING PREFAB GEAR

GROUND BUS: SN

CKT	Wire Size	Description	Trip	Poles	A		B		C	Poles	Trip	Description	Wire Size	CKT	
1	1-#6, 1-#6, 1-#6	HIGH BABY NL LTG	20 A	1	1870	280				1	20 A	FOH RESTROOM LTG	1-#12, 1-#12, 1-#12	2	
3	1-#12, 1-#12, 1-#12	JUICE NL LTG	20 A	1			212	504		1	20 A	COOLER LTG	1-#12, 1-#12, 1-#12	2	
5	1-#12, 1-#12, 1-#12	OFFICE RESTROOM LTG	20 A	1					168	252	1	20 A	BOH RESTROOM LTG	1-#12, 1-#12, 1-#12	6
7	1-#12, 1-#12, 1-#12	MEAT/SEAFOOD NL LTG	20 A	1	495	720					1	20 A	SALES FLOOR NL LTG	1-#12, 1-#12, 1-#12	8
9	1-#12, 1-#12, 1-#12	COOLER LTG	20 A	1			616	1467			1	20 A	BOH NL LTG	1-#6, 1-#6, 1-#6	10
11	1-#12, 1-#12, 1-#12	COOLER LTG	20 A	1					672	880	1	20 A	MAIN ENTRY VESTIBULE NL LTG	1-#12, 1-#12, 1-#12	12
13	1-#6, 1-#6, 1-#6	OFFICE NL LTG	20 A	1	1477	42					1	20 A	EXIT VESTIBULE NL LTG	1-#12, 1-#12, 1-#12	14
15	1-#6, 1-#6, 1-#6	HIGH BAY NL LTG	20 A	1			1872	40			1	20 A	EXIT SIGNS	1-#12, 1-#12, 1-#12	16
17	1-#6, 1-#6, 1-#6	PREPARED FOODS NL LTG	20 A	1					945	1280	1	20 A	SALES FLOOR NL LTG	1-#10, 1-#10, 1-#10	18
19	1-#10, 1-#10, 1-#10	EXIT SIGNS	20 A	1	440	500					1	20 A	EXTERIOR LIGHT FIXTURES	1-#12, 1-#12, 1-#12	20
21	1-#12, 1-#12, 1-#12	SEATING NL LTG	20 A	1			84	840			1	20 A	EXTERIOR LIGHT FIXTURES	1-#12, 1-#12, 1-#12	22
23	1-#12, 1-#12, 1-#12	STAIRWELL NL LTG	20 A	1					216					24	
25														26	
27														28	
29														30	
31														32	
33														34	
35														36	
37														38	
39														40	
41														42	
Total Load:			5824 VA		5635 VA		4413 VA								
Total...:			22 A		21 A		16 A								

NOTES:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	2000 VA	100.00%	2000 VA	
Lighting - Dwelling Unit	3110 VA	97.70%	3036 VA	Total Conn. Load: 15894 VA
Other	10784 VA	100.00%	10784 VA	Total Est. Demand: 15823 VA
				Total Conn.: 19 A
				Total Est. Demand: 19 A

Notes:

Panel: G

VOLTAGE: 120/208 Vwv

PHASE: 3

WIRE: 4

LOCATION: FRONT ELECTRICAL ROOM

SIZING/RATING: 125 A

GROUND SURFACE

STORE, KENNESAW GA

AFC RATING: 10000

GROUND BUS, SN

CKT	Wire Size	Description	Trip	Poles	A		B		C	Poles	Trip	Description	Wire Size	CKT	
1	3-#4, 1-#4, 1-#10	PANEL 'G'1	60 A	3	5726	720				1	20 A	CUSTOMER SERVICE COMPUTER, CHECK	1-#10, 1-#10, 1-#10	2	
3	--	--	--	--			4606	720		1	20 A	CHECK OUT #2.3	1-#10, 1-#10, 1-#10	4	
5	--	--	--	--					5520	720	1	20 A	CHECK OUT #4.5	1-#10, 1-#10, 1-#10	6
7	1-#10, 1-#10, 1-#10	CHECK OUT #6.9	20 A	1	720	720				1	20 A	CHECK OUT #6.7	1-#10, 1-#10, 1-#10	8	
9	1-#12, 1-#12, 1-#12	CHECK OUT #10.11	20 A	1			720	360		1	20 A	COFFEE CHECK OUT REGISTER	1-#12, 1-#12, 1-#12	10	
11	1-#12, 1-#12, 1-#12	EXPRESS CHECK OUT #12.13	20 A	1					360	180	1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	12
13	1-#12, 1-#12, 1-#12	EXPRESS CHECK OUT #14.15	20 A	1	720	180				1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	14	
15	1-#12, 1-#12, 1-#12	IT104 - NETWORK SCALE	20 A	1			180	540		1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	16	
17	1-#12, 1-#12, 1-#12	IT104 - NETWORK SCALE	20 A	1					180	500	1	20 A	HOOD 1,2,3,4 CONTROL PANEL	1-#12, 1-#12, 1-#12	18
19														20	
21	1-#12, 1-#12, 1-#12	HOOD 5 CONTROL PANEL	20 A	1			500							22	
23														24	
25														26	
27														28	
29														30	
31														32	
33														34	
35														36	
37														38	
39														40	
41														42	
					Total Load:	8786 VA	7625 VA	7460 VA							
					Total...:	73 A	64 A	62 A							
NOTES:															
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals						
Kitchen Equipment - Non-Dwelling Unit			7800 VA		65.00%		5122 VA								
Motor			8962 VA		100.00%		8962 VA								
Power			20 VA		100.00%		20 VA		Total Conn. Load: 23872 VA						
Receptacle			7020 VA		100.00%		7020 VA		Total Est. Demand: 21114 VA						
									Total Conn. Load: 66 A						
									Total Est. Demand: 59 A						
Notes:															

Panel: G1

VOLTAGE: 120/208 Vwye

PHASE: 3
WIRE: 4

LOCATION: MDF ROOM

SIZE/RATING: 60 A
MOUNTING: SURFACE

STORE: KENNESAW, GA

AIC RATING: 10000
GROUND BUS: SN

CKT	Wire Size	Description	Tripp	Poles	A	B	C	Poles	Tripp	Description	Wire Size	CKT			
1	1-#12, 1-#12, 1-#12	CPC BOARD BX400	20 A	1	10	10		1	20 A	CPC BOARD BX400	1-#12, 1-#12, 1-#12	3			
3	1-#12, 1-#12, 1-#12	TELEPHONE BACKBOARD	20 A	1		360	360		1	20 A	TELEPHONE BACKBOARD	1-#12, 1-#12, 1-#12	4		
5	1-#10, 1-#10, 1-#10	IT RACK - 5-30R IG	30 A	1			180	360	1	20 A	BEER & BBQ CHECK OUT REGISTER	1-#12, 1-#12, 1-#12	6		
7	1-#10, 1-#10, 1-#10	IT RACK - 5-30R IG	30 A	1	180	1800			1	20 A	RCP-1 - WTR HTR RECIRC PUMP	1-#6, 1-#6, 1-#6	8		
9	1-#12, 1-#12, 1-#12	IT RACK 5-20R IG	20 A	1		180	180		1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	10		
11	1-#10, 1-#10, 1-#10	IT RACK - 5-30R IG	30 A	1			180	500	1	20 A	HOOD 7 - CONTROL PANEL	1-#12, 1-#12, 1-#12	12		
13	1-#12, 1-#12, 1-#12	IT RACK - 5-20R IG	20 A	1	180	180			1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	14		
15	1-#12, 1-#12, 1-#12	IT104 - NETWORK SCALE	20 A	1		180	180		1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	16		
17	1-#12, 1-#12, 1-#12	IT104 - NETWORK SCALE	20 A	1			180	180	1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	18		
19	1-#12, 1-#12, 1-#12	IT104 - NETWORK SCALE	20 A	1	180	180			1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	20		
21	1-#12, 1-#12, 1-#12	IT104 - NETWORK SCALE	20 A	1		180	180		1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	22		
23	1-#12, 1-#12, 1-#12	IT104 - NETWORK SCALE	20 A	1			180	180	1	20 A	IT104 - NETWORK SCALE	1-#12, 1-#12, 1-#12	24		
25	2-#12, 1-#12, 1-#12	CU-4/RHU-4	20 A	2	1026	180			1	20 A	FACP	1-#12, 1-#12, 1-#12	26		
27	--	--	--	--	--	1026	1780		1	20 A	IDF CABINET	1-#4, 1-#4, 1-#4	28		
29	1-#6, 1-#6, 1-#6	WATER HEATER	20 A	1			1800	1780	1	20 A	IDF CABINET	1-#4, 1-#4, 1-#4	30		
31	1-#6, 1-#6, 1-#6	WATER HEATER	20 A	1	1800	0			1	20 A	--	--	32		
33	--	--	20 A	1		0	0		1	20 A	--	--	34		
35	--	--	20 A	1				0	0	1	20 A	--	36		
37	--	--	20 A	1	0	0			1	20 A	--	38			
39	--	--	20 A	1		0	0		1	20 A	--	40			
41	--	--	20 A	1				0	0	1	20 A	--	42		
Total Load:					5726 VA	4606 VA	5520 VA								
Total...:					49 A		38 A		47 A						
NOTES:															
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals						
Kitchen Equipment - Non-Dwelling Unit			6620 VA		65.00%		4303 VA								
Motor			7952 VA		100.00%		7952 VA		Total Conn. Load: 15852 VA						
Power			20 VA		100.00%		20 VA		Total Est. Demand: 13535 VA						
Receptacle			1260 VA		100.00%		1260 VA		Total Conn.: 44 A						
									Total Est. Demand: 38 A						
Notes:															

Panel: FE

VOLTAGE: 120/208 Vwv

PHASE: 3

WIRE: 4

LOCATION: FRONT ELECTRICAL ROOM

SIZING: 200 A

MOUNTING SURFACE

STORE: KENNESAW, GA

A/C RATING: 10000

GROUND BUS: SN

CKT	Wire Size	Description	Tripp	Poles	A	B	C	Poles	Tripp	Description	Wire Size	CKT	
1	1-#12, 1-#12, 1-#12	WATER COOLER	20 A	1	180	360		1	20 A	GENERAL RECEPITS FOR CUSTOMERS	1-#12, 1-#12, 1-#12	2	
3	1-#12, 1-#12, 1-#12	TV - CAFE SEATING	20 A	1		180	1000		1	AUTO SLIDING DOOR	1-#10, 1-#10, 1-#10	4	
5	1-#12, 1-#12, 1-#12	TV - CAFE SEATING	20 A	1			180	360	1	GENERAL RECEPITS FOR CUSTOMERS	1-#12, 1-#12, 1-#12	6	
7	1-#8, 1-#8, 1-#8	EQ127 - MICROWAVE	20 A	1	1700	1000			1	AUTO SLIDING DOOR	1-#8, 1-#8, 1-#8	8	
9	1-#12, 1-#12, 1-#12	F8352 - ELEC MART CARTS	20 A	1		420	360		1	MOBILE OUTDOOR REGISTER	1-#12, 1-#12, 1-#12	10	
11	1-#10, 1-#10, 1-#10	VESTIBULE CEILING FANS	20 A	1				450	360	1	POS - COFFEE SERVICE	1-#12, 1-#12, 1-#12	12
13	1-#12, 1-#12, 1-#12	BUILDING SIGNAGE	20 A	1	500	180			1	PRINTER - CUSTOMER SERVICE	1-#12, 1-#12, 1-#12	14	
15	1-#12, 1-#12, 1-#12	BUILDING SIGNAGE	20 A	1		500	180		1	PRINTER - CUSTOMER SERVICE	1-#12, 1-#12, 1-#12	16	
17	1-#10, 1-#10, 1-#10	BUILDING SIGNAGE	20 A	1				500	250	2	WH-1 - FLORAL WATER HEATER	2-#12, 1-#12, 1-#12	18
19	1-#12, 1-#12, 1-#12	SC123 - POP COOLER	20 A	1	456	250			--	--	--	20	
21	1-#12, 1-#12, 1-#12	GEN RECEIPT - P.O.P. @ CHECKOUTS	20 A	1		360	720		1	CUST. SERVICE COMPUTER, CHECK O...	1-#10, 1-#10, 1-#10	22	
23	1-#12, 1-#12, 1-#12	SC125 - POP COOLER	20 A	1				456	720	1	FH139 - CHECKOUT REG. #2,3	1-#10, 1-#10, 1-#10	24
25	1-#12, 1-#12, 1-#12	FH139 - CHECKOUT REG. #10,11	20 A	1	720	720			1	FH139 - CHECKOUT REG. #4,5	1-#10, 1-#10, 1-#10	26	
27	1-#12, 1-#12, 1-#12	EXPRESS CHECKOUT REG. #12,13	20 A	1		360	720		1	FH139 - CHECKOUT REG. #6,7	1-#10, 1-#10, 1-#10	28	
29	1-#12, 1-#12, 1-#12	EXPRESS CHECKOUT REG. #14,15	20 A	1			720	720	1	FH139 - CHECKOUT REG. #8,9	1-#10, 1-#10, 1-#10	30	
31	1-#12, 1-#12, 1-#12	SC411 - UC FRIDGE	20 A	1	480	456			1	SC123 - POP COOLER	1-#12, 1-#12, 1-#12	32	
33	1-#12, 1-#12, 1-#12	EQ703 - ESPRESSO GRINDER	20 A	1		960	2300		2	EQ992 - ESPRESSO MACHINE	2-#10, 1-#10, 1-#10	34	
35	1-#12, 1-#12, 1-#12	SC600 - UIC WASH	20 A	1			780	2300	--	--	--	36	
37	2-#6, 1-#6, 1-#10	BH6339 - DISH WASH	50 A	2	3960	480			1	SC968 - REFRIGGERATED CABINET	1-#12, 1-#12, 1-#12	38	
39	--	--	--	--	--	3960	3050		2	EQ630 - FETCO LOG COFFEE BREWER	2-#8, 1-#10, 4-#10	40	
41	1-#12, 1-#12, 1-#12	IT180 - PORTION SCALE	20 A	1				180	3050	--	--	42	
43	3-#8, 1-#8, 1-#10	SC213 - ELITE BEATER	40 A	3	3960	480			1	SC411 - UC FRIDGE	1-#12, 1-#12, 1-#12	44	
45	--	--	--	--	--		3960	1082	3	EQ897 - 60QT MIXER	3-#14, 1-#14, 1-#14	46	
47	--	--	--	--	--			3960	1082	--	--	48	
49	1-#12, 1-#12, 1-#12	SC407-UC FREEZER	20 A	1	672	1082			--	--	--	50	
51	1-#12, 1-#12, 1-#12	SELF SERVICE JUICE	20 A	1		180	989		2	SC320 - GELATO	2-#8, 1-#8, 1-#10	52	
53	1-#12, 1-#12, 1-#12	SEASONAL SALES RECEPACLE	20 A	1				500	989	--	--	54	
55	1-#12, 1-#12, 1-#12	SEASONAL SALES RECEPACLE	20 A	1	500	360			1	CAFE TVS	1-#12, 1-#12, 1-#12	56	
57	1-#12, 1-#12, 1-#12	AIR HOCKEY TABLE LIGHTS	20 A	1		360	2083		3	EQ615 - PROOFER	3-#10, 1-#10, 1-#10	58	
59	1-#4, 1-#4, 1-#4	EXTERIOR CEILING FANS	20 A	1			1272	2083	--	--	--	60	
61	1-#12, 1-#12, 1-#12	OUTDOOR GENERAL RECEPITS	20 A	1	540	2083			--	--	--	62	
63	2-#12, 1-#12, 1-#12	CAR CHARGER	20 A	2		250	250		2	CAR CHARGER	2-#12, 1-#12, 1-#12	64	
65	--	--	--	--	--			250	250	--	--	66	
67	2-#12, 1-#12, 1-#12	CAR CHARGER	20 A	2	250	250			2	CAR CHARGER	2-#12, 1-#12, 1-#12	68	
69	--	--	--	--	--		250	250	--	--	--	70	
71	1-#12, 1-#12, 1-#12	AC-1 AIR CURTAIN	20 A	1				313	360	1	CAR CHARGER RECEPITS	1-#12, 1-#12, 1-#12	72
73	1-#12, 1-#12, 1-#12	AC-2 AIR CURTAIN	20 A	1	313	313			1	AC - 3 AIR CURTAIN	1-#12, 1-#12, 1-#12	74	
75	1-#10, 1-#10, 1-#10	BUG ZAPPER	20 A	1		720	1		1	EF-1	1-#12, 1-#12, 1-#12	76	
77	1-#10, 1-#10, 1-#10	EMS CONTROLS FOR RTUS	20 A	1				1500	1056	1	KEF-8	1-#12, 1-#12, 1-#12	78
79	1-#12, 1-#12, 1-#12	KEF-9	20 A	1	924	1056			1	KEF-5	1-#10, 1-#10, 1-#10	80	
81	1-#12, 1-#12, 1-#12	HOOD 12.3.4 - LIGHTS	20 A	1		500	500		1	HOOD 5 - LIGHTS	1-#12, 1-#12, 1-#12	82	
83	1-#12, 1-#12, 1-#12	DEF-1	20 A	1				538	109	1	EF-3	1-#12, 1-#12, 1-#12	84
					Total Amps:	24225 VA	26445 VA	26278 VA					
					Total Loads:	202 A	222 A	212 A					

NOTES:				
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	47455 VA	65.00%	30848 VA	
Lighting	1500 VA	100.00%	1500 VA	Total Conn. Load: 75948 VA
Motor	4280 VA	100.00%	4280 VA	Total Est. Demand: 56150 VA
Other	6235 VA	100.00%	6235 VA	Total Conn.: 211 A
Receptacle	16378 VA	80.53%	13189 VA	Total Est. Demand: 156 A
Notes:				

LIGHTING CONTACTOR SCHEDULE							
	CONTACT CIRCUIT					REMARKS/NAME PLATES	NOTES
NUMBER	VOLTS	AMPS	POLES	CIRCUIT NO.	SWITCHGEAR LOCATION		
C1	277	30	4	MLP2- 19,21	PW1	GONDOLA SALES STRIP LED; DIMMING	1.4
C2	277	30	8	MLP2- 18,20,22,24	PW1	SALES FLOOR HIGH BAY LED; DIMMING	1.4
C3	277	30	12	MLP2- 1,2,4,6,8,9,10,13,23	PW1	PREP AREAS	1
C4	277	30	4	MLP2-12,14	PW1	BOH STOCK ROOM; DIMMING	1.4
C6 a)	277	30	4	MLP2-7,16	PW1	FRONT END REGISTERS	1.4
b)	277	30	4	MLP2-11 LP1,5,11	PW1	SEATING	1.4
C7 a)	120	30	4	FE-13,15,17	LOOSE	BUILDING SIGNAGE	1.3
C8	277	30	4	LP2-2	LOOSE	EXTERIOR LIGHTING	1.3
C9 a)	208	60	3	PANEL RLA	PW3	REFRIGERATOR CASES (LIGHTS)	1
b)	208	60	3	PANEL RLB	PW2	REFRIGERATOR CASES (LIGHTS)	1
C10	120	30	6	RLB- 1, 2,3,4,5	PW2	BEERWINE	1
C11	208	60	3	PANEL LP1	PW3	TRACK LIGHTING	1
C12	208	60	3	PANEL LP2	PW2	TRACK LIGHTING	1
C13 a)	277	30	4	QLP- 12,14	PW1	VESTIBULE EMER. LIGHTING FIXTURES	1
C14	208	40	12	FE-43,84,65,66,67,68,69,70	LOOSE	CAR CHARGERS	1
C15	120	30	3	FE-59	LOOSE	CEILING FANS	1

NOTES:

- ELECTRICAL HELD NORMALLY CLOSED CONTACTORS PROVIDED AND INSTALLED BY SWITCHGEAR MANUFACTURER.
- REFER TO REFRIGERATION DRAWINGS FOR WIRING OF CONTACTORS AND PHOTOCELL.
- PHOTOCELL (PROVIDE BY REFRIGERATION CONTRACTOR, WIRING INSTALLED BY EC) FACING NORTH TO CONTROL THE EXTERIOR LIGHTING FIXTURES.
- EMS CONTROLLED THRU DIMMER CONTROL FOR DAYLIGHT HARVESTING. A DRIVER INTERFACE (PROVIDED BY SWITCHGEAR MANUFACTURER) SHALL BE INSTALLED AHEAD OF THE ANALOG OUTPUT BOARD. EC SHALL PULL CONTROL WIRING FROM EMS BOARD TO LIGHTING FIXTURE. EC THEN SHALL Daisy Chain the CONTROL WIRING FROM FIXTURE TO FIXTURE. CONTROL WIRING SHALL NOT RUN THRU THE SAME CONDUIT AS THE POWER CONDUIT.
- WHERE MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE ROUTED TOPFROM CONTACTORS ABOVE: THE EC SHALL EITHER ROUTE A MAXIMUM OF 3 CURRENT CARRYING CONDUCTORS PER CONDUIT OR HE SHALL REVIEW NEC 310.15 TABLE 310.15(B)(2)(4) FOR REDUCED AMPACITY OF CONDUCTORS WHERE MORE THAN 3 ARE ROUTED IN A CONDUIT AND UPSIZE THE CONDUCTORS TO MAINTAIN FULL AMPACITY OF EACH CONDUCTOR. UPSIZE CONDUIT ACCORDING TO 40% FILL WHERE CONDUCTOR UPSIZE RESULTS IN NEED FOR A CONDUIT LARGER THAN 3/4" C.
- ALL CONTACTORS SHALL BE PRE-WIRED BY THE SWITCHBOARD MANUFACTURER. IF THE CONTACTORS CAN NOT BE PRE-WIRED DUE TO A BREAK IN THE SWITCHGEAR, THEN THE SWITCHBOARD MANUFACTURER SHALL PROVIDE ENOUGH WIRING FOR THE EC TO TERMINATE. THE WIRING SHALL BE LABELED TO IDENTIFY WHERE THE LANDING OCCURS.

GENERAL NOTES FOR SHEETS E510, E515, E520 AND E525

1. PROVIDE MINIMUM 1" C FOR ALL BRANCH CIRCUITS (THAT ARE FED UNDERSLAB) IN THE PANELBOARDS ON THIS SHEET, UNO.
2. PROVIDE MINIMUM 3/4" C FOR ALL BRANCH CIRCUITS (THAT ARE FED OVERHEAD) IN THE PANELBOARDS ON THIS SHEET.
3. WIRING SIZES IN THE PANEL SCHEDULES HAVE BEEN DERATED PER LENGTHS OF RUN, LENGTH OF WIRING WERE ESTIMATED. CONTRACTOR SHALL ADJUST SIZE OF WIRING WITH APPROPRIATE WIRE LENGTHS AND DIVERSITY SCHEDULE AS CALLED OUT IN NOTE 32 ON E1.1.
4. WHERE CONDUCTORS LEAVE A MULTIPOLE BREAKER, THEY AND ASSOCIATED NEUTRAL AND GROUND SHALL BE BUNDLED BY TIE-WRAP AT LEAST ONE LOCATION IN THE PANELBOARD. THIS APPLIES TO ALL PANELBOARDS.
5. CTS SHALL BE FURNISHED AND PRE-WIRED BY THE SWITCHBOARD MANUFACTURER. IF THE CTS CANNOT BE PRE-WIRED DUE TO TERMINAL IN THE SWITCHCHARGER, THEN THE SWITCHBOARD MANUFACTURER SHALL PROVIDE ENOUGH WIRING FOR THE EC TO BREAK-IN THE WIRING. THE WIRING SHALL BE LABELED TO IDENTIFY WHERE THE LANDING OCCURS. THE SWITCHBOARD MANUFACTURER SHALL REFER TO SEM-1 FOR FINAL COUNT OF CTS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, THEN SEM-1 SHALL BE THE DIRECTION TO USE.

PANEL KEY PLAN		
MDP	G1	
GLP	FE	
G		

Panel: ME														
VOLTAGE: 120/208 Vwv							STORE: KENNESAW, GA							
PHASE: 3							AIC RATING: 10000							
WIRE: 4							GROUND BUS: SN							
LOCATION: PW1														
SIZE/RATING: 150 A														
MOUNTING PREFAB GEAR														
CKT	Wire Size	Description	Trip	Poles	A	B	C	Poles	Trip	Description	Wire Size	CKT		
1	2-#10, 1-#10, 1-#10	CU-2/AHU-2	20 A	2	720	2500			1	20 A	EMS CONTROL RTU's	1-#10, 1-#10, 1-#10	2	
3	--	--	--	--		720	1200		2	20 A	EW-H-2 - WALL HEATER	2-#8, 1-#8, 1-#8	4	
5	2-#10, 1-#10, 1-#10	CU-3/AHU-3	20 A	2			720	1200	--	--	--	--	6	
7	--	--	--	--	720	1200			2	20 A	EW-H-3 - WALL HEATER	2-#8, 1-#8, 1-#8	8	
9	1-#12, 1-#12, 1-#12	GENERATOR HEATER	20 A	1		500	1200		--	--	--	--	10	
11	1-#12, 1-#12, 1-#12	GENERATOR BATTERY CHARGER	20 A	1				180	109	1	20 A	EF-2	1-#12, 1-#12, 1-#12	12
13	3-#14, 1-#14, 1-#14	KSF-2 (FAN)	15 A	3	409	408			3	20 A	KEF-6	3-#12, 1-#12, 1-#12	14	
15	--	--	--	--		409	408		--	--	--	--	16	
17	--	--	--	--				409	408	--	--	--	18	
19	3-#10, 1-#10, 1-#10	KSF-2 (CONDENSER)	20 A	3	2088	408			3	20 A	KEF-7	3-#12, 1-#12, 1-#12	20	
21	--	--	--	--		2088	408		--	--	--	--	22	
23	--	--	--	--			2088	408	--	--	--	--	24	
25	3-#10, 1-#10, 1-#10	KSF-2 (CONDENSER)	30 A	3	1428	500			1	20 A	HOOD 6,7 - LIGHTS	1-#12, 1-#12, 1-#12	26	
27	--	--	--	--		1428							28	
29	--	--	--	--			1428						30	
31													32	
33													34	
35													36	
37													38	
39													40	
41													42	
Total Load:			10351 VA		8361 VA		6950 VA							
Total:			68 A		71 A		58 A							
NOTES:														
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Equipment			11775 VA		100.00%		11775 VA		Total Conn. Load: 25692 VA					
Motor			5880 VA		100.00%		5880 VA		Total Est. Demand: 25692 VA					
Other			7357 VA		100.00%		7357 VA		Total Conn.: 71 A					
Receptacle			680 VA		100.00%		680 VA		Total Est. Demand: 71 A					
Notes:														

Panel: MLP2														
VOLTAGE: 480/277 Vwv														
PHASE: 3														
WIRE: 4														
LOCATION: PW1														
SIZING/RATING: 100 A														
MOUNTING: PREFAB GEAR														
STORE: KENNESAW, GA														
AIC RATING: 65000														
GROUND BUS: SN														
CKT	Wire Size	Description	Trip	Poles	A	B	C	Poles	Trip	Description	Wire Size	CKT		
1	1-#12, 1-#12, 1-#12	JUICE SERVICE RECESSED LTG	20 A	1	168	215		1	20 A	JUICE SERVICE LTG	1-#12, 1-#12, 1-#12	2		
3	1-#12, 1-#12, 1-#12	COFFIN LTG	20 A	1		192	266		1	20 A	COFFEE/PREP FOODS RECESSED LTG	1-#12, 1-#12, 1-#12		
5	1-#12, 1-#12, 1-#12	COFFIN LTG	20 A	1			192	301	1	20 A	SPECIALTY LTG	1-#12, 1-#12, 1-#12		
7	1-#12, 1-#12, 1-#12	CUSTOMER SERVICE/FLORAL RECESSE	20 A	1	308	688			1	20 A	MEAT/SEAFOOD LTG	1-#12, 1-#12, 1-#12		
9	1-#12, 1-#12, 1-#12	SPECIALTY RECESSED LTG	20 A	1		633	840		1	20 A	SEAFOOD RECESSED LTG	1-#12, 1-#12, 1-#12		
11	1-#12, 1-#12, 1-#12	SEATING AREA LTG	20 A	1			168	1040	1	20 A	BOH LTG	1-#12, 1-#12, 1-#12		
13	1-#10, 1-#10, 1-#10	KITCHEN/SCULLERY LTG	20 A	1	1075	1323			1	20 A	BOH/RECEIVING LTG	1-#8, 1-#8, 1-#8		
15	1-#10, 1-#10, 1-#10	OFFICE LTG	20 A	1		1198	1380		1	20 A	CHECK OUT LTG	1-#12, 1-#12, 1-#12		
17	1-#10, 1-#10, 1-#10	OFFICE LTG	20 A	1			1297	1430	1	20 A	HIGH BAYS	1-#10, 1-#10, 1-#10		
19	1-#6, 1-#6, 1-#6	SALES AREA LTG	20 A	1	2400	2640			1	20 A	HIGH BAYS	1-#6, 1-#6, 1-#6		
21	1-#6, 1-#6, 1-#6	SALES AREA LTG	20 A	1		2720	1430		1	20 A	HIGH BAYS	1-#10, 1-#10, 1-#10		
23	1-#6, 1-#6, 1-#6	COFFEE/BAKERY LTG	20 A	1			1273	2612	1	20 A	HIGH BAYS	1-#4, 1-#4, 1-#4		
25	1-#12, 1-#12, 1-#12	CASH UP/COUNT DOWN LTG	20 A	1	168	300			1	20 A	EXTERIOR LIGHTING	1-#12, 1-#12, 1-#12		
27	1-#12, 1-#12, 1-#12	EXTERIOR LTG	20 A	1		350	60		1	20 A	STAIRWELL/FIRE RISER ROOM LTG	1-#12, 1-#12, 1-#12		
29												30		
31												32		
33												34		
35												36		
37												38		
39												40		
41												42		
Total Load:			9285 VA		9069 VA		8313 VA							
Total:			34 A		33 A		30 A							
NOTES:														
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Lighting			350 VA		100.00%		350 VA		Total Conn. Load: 26667 VA					
Lighting - Dwelling Unit			300 VA		100.00%		300 VA		Total Est. Demand: 26667 VA					
Other			26017 VA		100.00%		26017 VA		Total Conn.: 32 A					
									Total Est. Demand: 32 A					
NOTES:														

Panel: RDP2 (BY LL)													
VOLTAGE: 480/277 Vwv													
PHASE: 3													
WIRE: 4													
LOCATION: NEXT TO PW1													
SIZING/RATING: 400 A													
MOUNTING: SURFACE													
STORE: KENNESAW, GA													
AIC RATING: 65000													
GROUND BUS: SN													
CKT	Wire Size	Description	Trip	Poles	A	B	C	Poles	Trip	Description	Wire Size	CKT	
1	3-#12, 1-#12, 1-#12	KSF-1 CONDENSER - 1	15 A	3	2333							2	
3	--	--	--	--		2333						4	
5	--	--	--	--			2333					6	
7	3-#12, 1-#12, 1-#12	KSF-1 CONDENSER - 2	15 A	3	2333	7313			3	35 A	CONDENSER RACK B*	3-#8, 1-#8, 1-#10	8
9	--	--	--	--		2333	7313		--	--	--	10	
11	--	--	--	--			2333	7313	--	--	--	12	
13	3-#12, 1-#12, 1-#12	KSF-1 CONDENSER - 3	15 A	3	2333	66511			3	250 A	COMPRESSOR RACK A*	3-#350, 1-#350, 1-#4	14
15	--	--	--	--		2333	66511		--	--	--	16	
17	--	--	--	--			2333	66511	--	--	--	18	
19	3-#14, 1-#14, 1-#14	KSF-1 FAN	15 A	3	1866	27380			3	110 A	COMPRESSOR RACK B*	3-#1, 1-#1, 1-#6	20
21	--	--	--	--		1866	27380		--	--	--	22	
23	--	--	--	--			1866	27380	--	--	--	24	
25	3-#12, 1-#12, 1-#12	PARASENSE*	20 A	3	167	167			3	20 A	PARASENSE*	3-#12, 1-#12, 1-#12	26
27	--	--	--	--		167	167		--	--	--	28	
29	--	--	--	--			167	167	--	--	--	30	
31	3-#12, 1-#12, 1-#12	KEF-1*	20 A	3	252	252			3	20 A	KEF-2*	3-#12, 1-#12, 1-#12	32
33	--	--	--	--		252	252		--	--	--	34	
35	--	--	--	--			252	252	--	--	--	36	
37	3-#12, 1-#12, 1-#12	KEF-3*	20 A	3	312	312			3	20 A	KEF-4*	3-#12, 1-#12, 1-#12	38
39	--	--	--	--		312	312		--	--	--	40	
41	--	--	--	--			312	312	--	--	--	42	
			Total Load:		111530 VA	111530 VA	111530 VA						
			Total...:		403 A	403 A	403 A						
NOTES:													
Load Classification			Connected Load		Demand Factor		Estimated Demand		Panel Totals				
Kitchen Equipment - Non-Dwelling Unit			1000 VA		100.00%		1000 VA		Total Conn. Load: 334590 VA				
Motor			330208 VA		100.00%		330208 VA		Total Est. Demand: 334590 VA				
Other			3384 VA		100.00%		3384 VA		Total Conn: 402 A				
									Total Est. Demand: 402 A				
NOTES:													
* - BREAKER BY EC													

PROJECT TEAM

