

EQUIPMENT REQUIREMENTS									
EQUIPMENT ITEM	THIS EQUIPMENT IS		SERVICE DISCONNECT		SMOKE DUCT DETECTORS	WPGFI RECEPTILES			
	FURNISHED BY	INSTALLED BY	FURNISHED BY	INSTALLED BY			PROVIDED BY	PROVIDED BY	PROVIDED BY
ROOFTOP HVAC UNITS									
STU ¹	MC	MC	FACTORY	FACTORY	MC	EC			
WAV BOXES W/ REHEAT COILS									
1 VAV ²	MC	MC	EC	EC	—	—			
EXHAUST FANS									
EF ³	MC	MC	FACTORY	FACTORY	—	—			
RECIRCULATION FANS									
RF ⁴ , CF ⁵	MC	MC	FACTORY	FACTORY	—	—			
OUTDOOR AIR DAMPERS									
QAO ⁶	MC	MC	EC	EC	—	—			
GAS AND ELECTRIC HEATERS									
UH ⁷	MC	MC	EC	EC	—	—			
KSH ⁸	MC	EC	EC	EC	—	—			
KITCHEN HOODS									
H-1 THRU H-7	OV	MC	OV	EC	—	—			
REFRIGERATION SYSTEM									
REFRIG. UNITS R6 ⁹ AND R6 ¹⁰	RC	RC	EC	EC	—	—			
REFRIG. CONDENSERS RC ¹¹	RC	RC	EC	EC	—	—			
REFRIG. CONTROL PANELS R6 ¹²	RC	RC	—	—	—	—			
ELECTRICAL EQUIPMENT									
MAIN SWITCH	OV	EC	—	—	—	—			
MAIN DISTRIBUTION PANELS	OV	EC	—	—	—	—			
MOTOR CONTROL CENTERS	OV	EC	—	—	—	—			
ELECTRICAL PANELBOARDS	OV	EC	—	—	—	—			
SAFETY PROTECTION DEVICES	OV	EC	—	—	—	—			
TRANSFORMERS	OV	EC	EC	EC	—	—			
POWER MONITORING EQUIP.	OV	EC	—	—	—	—			
SEN. CONNECTION PANEL	OV	EC	—	—	—	—			
GENERATOR	OV	GC/PC/EC	—	—	—	—			
FOOD PREP COOKING EQUIP.	OV	ALL	EC	EC	—	—			
DISHWASHING EQUIPMENT	OV	ALL	EC	EC	—	—			
LEGEND:									
ALL IS ALL APPLICABLE CONTRACTORS.									
EC IS THE ELECTRICAL CONTRACTOR.									
GC IS THE GENERAL CONTRACTOR.									
MC IS THE MECHANICAL/HVAC CONTRACTOR.									
OV IS OWNERS VENDOR.									
PC IS THE PLUMBING CONTRACTOR.									
RC IS THE REFRIGERATION CONTRACTOR.									
PROVIDE REFERS TO 'FURNISH AND INSTALL'									

NOTES:

1. THIS LISTING IN NO WAY SUMMARIZES THE SCOPE OF WORK REQUIRED TO BE PERFORMED BY THE CONTRACTORS

2. FOR OWNER VENDOR FURNISHED ITEMS THE INSTALLING CONTRACTOR MAY ALSO BE REQUIRED TO RECEIVE, INVENTORY, PROTECT AND STORE, AND ASSEMBLE THE EQUIPMENT (SEE DRAWINGS)

3. SEE THE SPECIFICATIONS, DRAWINGS, AND MANUFACTURER'S INSTALLATION RECOMMENDATIONS FOR COMPLETE, DETAILED INSTALLATION REQUIREMENTS.

ELECTRICAL DEVICES AND EQUIPMENT			UPDATED 2-18-19
DEVICE LABEL	LOCATION	DESCRIPTION	
⊗A	SALES FLOOR, PHARMACY, BAKERY, BULK WARE	125V JUNCTION BOX STUBBED UP FROM FLOOR AT DIMENSION SHOWN. WIRE TO EQUIPMENT	
⊗B	VESTIBULE DOORS, MISC.	125V JUNCTION BOX. WIRE TO EQUIPMENT	
TR⊗C	TAMPER RESISTANT SALES SHELVING - SEE DETAIL	125V JUNCTION BOX. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. FURNISH AND INSTALL 125V RECEPT UNDER SALES SHELVING. HUBBELL #CFC000GYTR (GRAY) RECEPT [LEGRAND #5362GRY]	
⊗E	BEAUTY - SEE DETAIL	125V ALUMINUM SERVICE FITTING, STUBBED UP FROM FLOOR AT DIMENSION SHOWN. LEGRAND 525HB CAST ALUMINUM SERVICE FITTING HOUSING AND BASE, LEGRAND MODEL 500-GFI FACEPLATE (TWO REQUIRED), LEGRAND BULK STEEL FLOOR BOX, LEGRAND K25SFC CONVERSION KIT	
⊗F	FLORAL	125V FLOOR BOX RECEPT. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. HUBBELL #84233 FLOOR BOX, #5362S DUPLEX FLAP, #HBL302 (BROWN) RECEPT [WIREMOLD 1-880C32-11-817B2-428R] [LEGRAND #5362]	
WPGFI⊗M	MEAT DEPT. - SEE DETAIL	125V JUNCTION BOX. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. FURNISH AND INSTALL 125V RECEPT. HUBBELL #6FRST20GY (GRAY) SELF-TEST RECEPT. INTERMATIC #WP1010MXD WATERPROOF BOX WITH LID OR EQUAL	
WPGFI⊗M	KITCHEN, BAKERY - SEE DETAIL	125V JUNCTION BOX. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. FURNISH AND INSTALL 125V RECEPT. HUBBELL #6FRST20GY (GRAY) SELF-TEST RECEPT. INTERMATIC #WP1010MXD WATERPROOF BOX WITH LID OR EQUAL	
⊙	ENTIRE STORE	444 JUNCTION BOX. 24 HANDY BOX. EQUIPMENT CONNECTIONS	
⊕	ENTIRE STORE - SEE PLAN FOR LOCATIONS	125V DUPLEX WALL RECEPT. HUBBELL #DR20*** 'STYLE-LINE' DECORATOR. SEE: DEVICE CHART FOR COLOR OF RECEPT FOR SPECIFIC APPLICATION [LEGRAND #2634Z]	
TR⊕	TAMPER RESISTANT ENTIRE STORE - SEE PLAN FOR LOCATIONS (5-1/2" and below in customer accessible areas)	125V DUPLEX WALL RECEPT. HUBBELL #DR20*** 'TR' 'STYLE-LINE' DECORATOR. SEE: DEVICE CHART FOR COLOR OF RECEPT FOR SPECIFIC APPLICATION [LEGRAND #TR2634Z]	
⊕WPGFI⊕GFI	ENTIRE STORE - SEE PLAN FOR LOCATIONS	125V DUPLEX GROUND FAULT WALL RECEPT. HUBBELL #GFRST20W (WHITE) [LEGRAND #2097FW]	
TR⊕GFI	TAMPER RESISTANT ENTIRE STORE - SEE PLAN FOR LOCATIONS (5-1/2" and below in customer accessible areas)	125V DUPLEX GROUND FAULT WALL RECEPT. HUBBELL #GFRST20W (WHITE) [LEGRAND #2097TRW]	
⊕D GF⊕D	SCALES - CLEAN AND DIRTY POWER, PHARMACY PRINTER	125V DUPLEX RECEPT. HUBBELL #DR20*** 'STYLE-LINE' DECORATOR. (RED RECEPT FOR CLEAN POWER, WHITE RECEPT FOR DIRTY POWER); HUBBELL #GFRST20R (RED) FOR GFI APPLICATIONS [LEGRAND #2634Zxx]	
⊕USBAC	CUSTOMER SERVICE, DIRECTOR, ACCOUNTING, BOOKKEEPING, PHARMACY, BACKROOM OFFICE, DEPT. HEADS, BREAKROOM, CASUAL DINING	125V 20A COMBINATION USBAC WALL RECEPT. HUBBELL MODEL USB20ACS USB CHARGER WITH WHITE TAMPER RESISTANT RECEPT [LEGRAND #TR53K2USBW]	
⊕USBAC	DINING	125V 20A COMBINATION USBAC RECEPT. HUBBELL MODEL USB20ACS USB CHARGER WITH BROWN TAMPER RESISTANT RECEPT AND BROWN COVER PLATE [LEGRAND #TR53K2USBITP26]	
⊕USBAC	BAR (CUSTOMER SIDE OF BAR UNDER BAR TOP)	125V 20A COMBINATION USBAC RECEPT. HUBBELL MODEL USB20ACS USB CHARGER WITH BROWN TAMPER RESISTANT RECEPT AND BROWN COVER PLATE [LEGRAND #TR53K2USBITP26]	

DEVICE CHART		UPDATED 2-18-19
ALL 120 VOLT ELECTRICAL DEVICES (SWITCHES AND RECEPTILES) SHALL BE HUBBELL, STANDARD COMMERCIAL TYPE UNLESS AS INDICATED, AND SHALL BE PROVIDED AS FOLLOWS		
WHITE 'STYLE-LINE' RECEPTACLE WITH WHITE COVER PLATE FOR ALL FOOD PREP AREAS AND BEHIND CASE LINEUPS IN MEAT CUTTING, SERVICE MEATS, PRODUCE PREP-ACK, BAKERY, KITCHENS, OFFICES, RESTROOMS, CUSTOMER SERVICE, FLOOR, PHARMACY, LIQUOR SALES, SIGN ROOM		
WHITE 'STYLE-LINE' RECEPTACLE WITH STAINLESS STEEL COVER PLATE FOR COLUMN MOUNTED RECEPTILES.		
GRAY RECEPTACLE MOUNTED IN J-BOX UNDER SALES SHELVING. SEE DETAIL ON THIS DRAWING AND DRAWING E2.0.		
GRAY 'STYLE-LINE' RECEPTACLE WITH STAINLESS STEEL COVER PLATE FOR BACKROOM, DOCK, CASE MOUNTED RECEPTS, AND MECHANICAL/ELECTRICAL ROOMS.		
RED 'STYLE-LINE' RECEPTACLE WITH MATCHING COVER PLATE FOR ALL GENERATOR POWER SENSITIVE ELECTRONIC EQUIPMENT (PANELS UL, 'K', 'N', 'XP')		
WHITE 'STYLE-LINE' SWITCH WITH PILOT LIGHT (FURNISHED AND INSTALLED BY ELECTRICIAN) FOR BAKERY AROMA CIRCULATING FAN.		
GRAY 'TOGGLE' SWITCH WITH STAINLESS STEEL COVER PLATE FOR ALL COOKING HOODS (FURNISHED BY HVAC AND INSTALLED BY ELECTRICIAN), PIZZA OVEN HOOD, DISHWASHER HOOD, SEAFOOD EXHAUST FAN (WHERE APPLICABLE).		
WHITE WIREFREE RT'S DECOPLER 5 CHANNEL TRANSMITTER SWITCH AS MANUFACTURED BY SOMFY SYSTEMS, INC., WITH WHITE 'STYLE-LINE' COVER PLATE.		
BROWN USBAC RECEPTACLE - SEE 'EQUIPMENT ELECTRICAL DEVICES' CHART ABOVE FOR SPECIFICS.		
WHITE USBAC RECEPTACLE - SEE 'EQUIPMENT ELECTRICAL DEVICES' CHART ABOVE FOR SPECIFICS.		
ALL OUTLETS, COVER PLATES, AND SWITCHES NOT SPECIFIED ABOVE TO BE WHITE.		
ALL SWITCHES TO BE 'STYLE-LINE' (EXCEPT AS NOTED ABOVE).		
ALL PHONE JACKS TO BE GRAY. ALL DATA JACKS TO BE RED.		

GENERAL WIRING NOTE

THE ELECTRICAL CONTRACTOR SHALL PROVIDE WIRE COLOR CODING AS FOLLOWS:

120/208V - NEUTRAL- **WHITE**, PHASE 'A'- **BLACK**, PHASE 'B'- **RED**, PHASE 'C'- **BLUE**

THIS CHART SHALL BE FOLLOWED BY THE ELECTRICAL CONTRACTOR FOR ALL NEW WIRING THROUGHOUT THE PROJECT.

ELECTRICAL SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED.

STANDARD MOUNTING HEIGHTS	ANNOTATION
AUDIBLE APPLIANCES (CENTERLINE)	84"
ALARMS	48"
ANNUNCIATOR PANELS (DISPLAY) CONTROLS (TOP OF DEVICE)	48"
EXIT SIGNS (WALL MOUNTED)	80"
FIRE ALARM ANNUNCIATOR PANEL (DISPLAY)	80"
FIRE ALARM BELL (EXTERIOR) (EQUIPMENT) (DISPLAY)	120"
FIRE ALARM CONTROL PANEL/UNIT (DISPLAY)	60"
INTERCOM (AREA ONLY)	36"
INTERCOMS (TOP OF DEVICE)	48"
PULL STATIONS (TOP OF DEVICE)	48"
PHOTOCELLS	14"
RECEPTILES (POOLS)	27"
RECEPTILES (EXTERIOR)	24"
RECEPTILES (GARAGES)	24"
RECEPTILES (POOLS)	27"
RECEPTILES (ABOVE COUNTER) +6" ABOVE BACKSPLASH/COUNTER, 40" MAX	44"
RECEPTILES IN EQUIPMENT ROOMS	48"
REMOTE INDICATING LIGHT (EQUIPMENT AREAS)	48"
REMOTE INDICATING LIGHT (FINISHED AREAS)	CEILING
SAFETY SWITCHES (TOP OF DEVICE)	48"
STARTERS (TOP OF DEVICE)	44"
SWITCHES (TOP OF DEVICE)	44"
TELEPHONE, DATA OUTLETS	SAME AS ADJACENT DEVICE, UNO
TELEPHONE TERMINAL BOARD (BOTTOM)	REFER TO ARCH DRAWINGS
TELEVISION OUTLETS	REFER TO ARCH DRAWINGS
VISIBLE APPLIANCES (CENTERLINE)	84"

INSTALL OUTLET BOXES AT THE MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ABOVE, OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS, ARE AFF OR AFO TO BOTTOM OF OUTLET BOX UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

LINE/TYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINE/TYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINE/TYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINE/TYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

EXISTING	NEW
DEMOLISH	FUTURE

CIRCUITING & WIRING

7 5 3 OR P1-3,5,7	HOMERUN TO PANELBOARD. INFORMATION AT ARROWS ARE CIRCUIT NUMBERS AND PANELBOARD FOR TERMINATION. REFER TO PANELBOARD SCHEDULES FOR BRANCH CIRCUIT CONDUCTOR SIZES.
—	INDICATES RELAY NUMBER
—	CIRCUIT CONTINUATION OR PARTIAL CIRCUIT
—	CONDUIT CONCEALED
—	CONDUIT CONCEALED (EMERGENCY)
—	CONDUIT IN/UNDER FLOOR/GROUND CONSTRUCTION
—	EXPOSED CONDUIT
—	EXPOSED CONDUIT (EMERGENCY)
—	FLEXIBLE CONDUIT
—	LOW VOLTAGE CABLE (NOT ROUTED IN CONDUIT)
—	CONDUIT TURNING DOWN
—	CONDUIT TURNING UP
—	CONNECTION POINT OR EQUIPMENT TERMINATION
—	EQUIPMENT TERMINATION

CONDUCTOR TICK MARK LEGEND

WHERE TICK MARKS ARE SHOWN, THE FOLLOWING SHALL GOVERN:

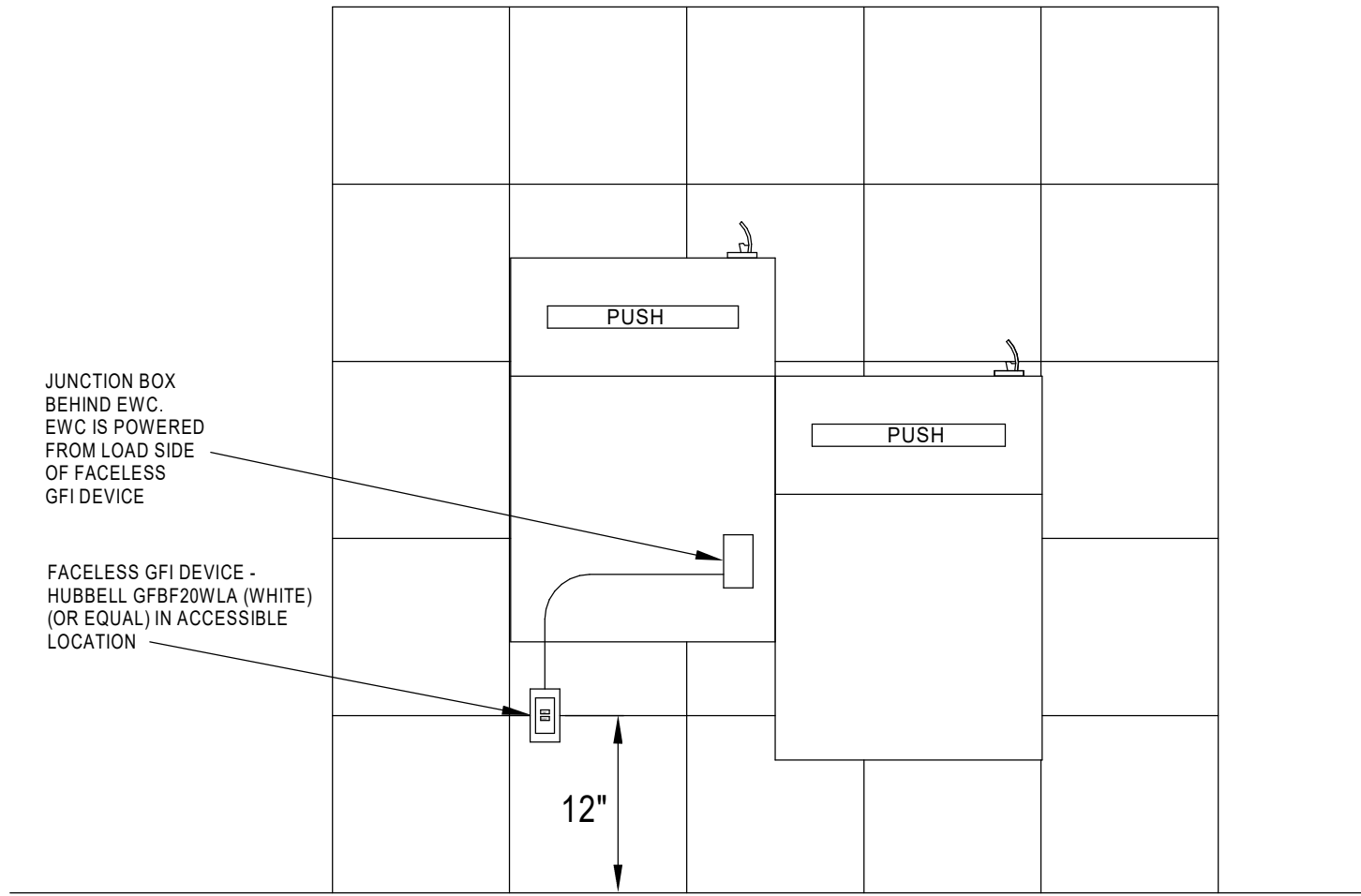
—	SWITCHED HOT (PHASE) CONDUCTORS (SHOWN TRAILING NEUTRAL)
—	NEUTRAL (GROUNDED) CONDUCTOR
—	UNSWITCHED HOT (PHASE) CONDUCTORS (SHOWN LEADING NEUTRAL)
—	NOTE: HASH MARKS INDICATE QUANTITY OF CONDUCTORS
—	EQUIPMENT GROUNDING CONDUCTOR IN CONDUIT (GREEN INSULATION OR BARE)
—	ISOLATED GROUNDING CONDUCTOR IN CONDUIT (GREEN INSULATION WITH YELLOW TRACER)

ABBREVIATIONS

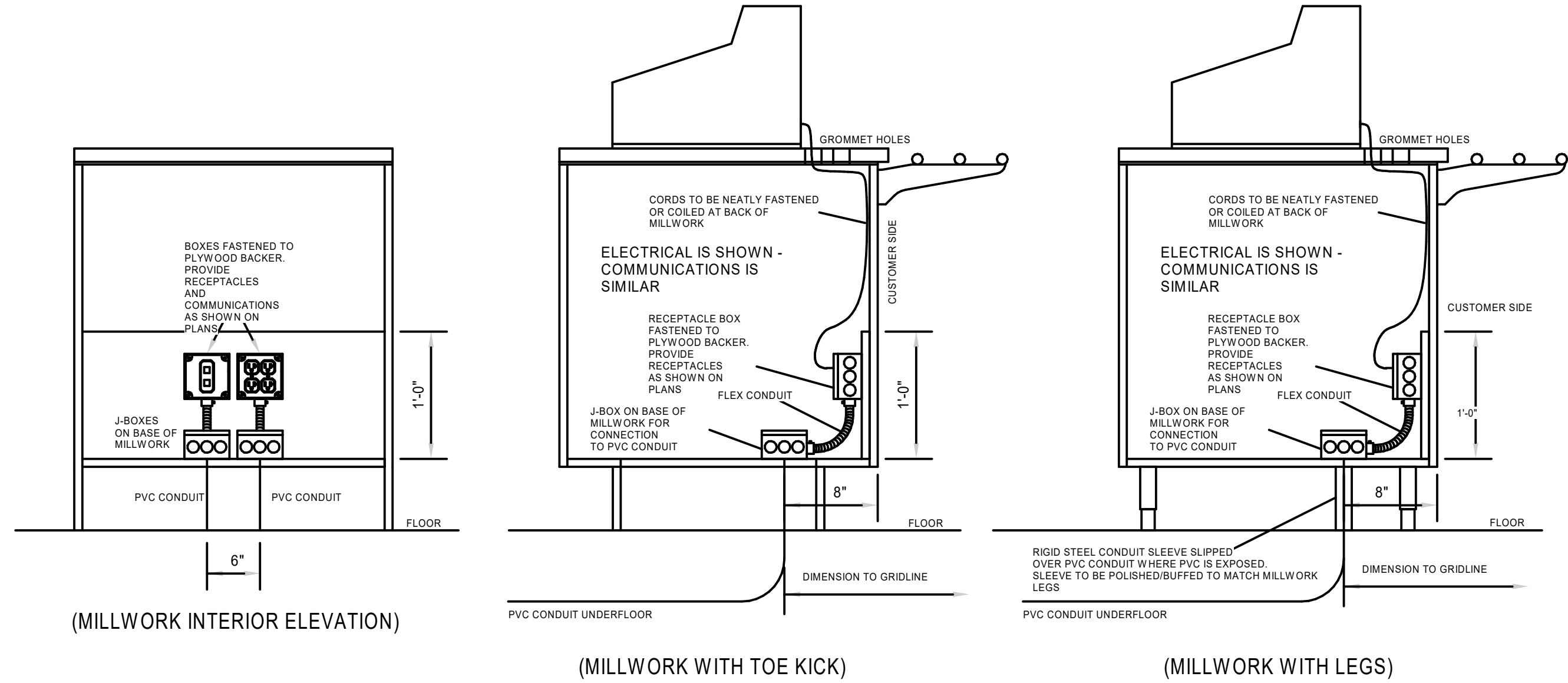
AF	AMPERE FUSE SIZE	MCC	MOTOR CONTROL CENTER
AFC	ABOVE FINISHED CEILING	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM
AG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY
AHJ	AUTHORITY HAVING JURISDICTION	MV	MAGNETIC LOW-VOLTAGE
AHU	AIR HANDLING UNIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
AIC	AMPERE INTERRUPTING CAPACITY	MTD	MOUNTED
AS	AMPERE-TRIP SETTING	N/A	NOT APPLICABLE
AT	AMPERE TRIP SETTING	NF	NON-FUSED
ATS	AUTOMATIC TRANSFER SWITCH	NL	NIGHT LIGHT (24HR ON)
AV	AUDIO VISUAL	NRTL	NATIONALLY RECOGNIZED TESTING LABORATORY (CSA, ETL, NSF, UL)
BAS	BUILDING AUTOMATION SYSTEM	NTS	NOT TO SCALE
BKR	BREAKER	OS	OCCUPANCY SENSOR
C	CONDUIT	P	POLE
CAT	CATEGORY	PART	PARTIAL CIRCUIT
CATV	CABLE TELEVISION SYSTEM	PHB	PHONE
CCTV	CLOSED CIRCUIT TELEVISION	PNL	PANEL
CD	CANDLE	PNLB	PANELBOARD
CKT	CIRCUIT	PROVIDE	FURNISH AND INSTALL
CODE	APPLICABLE CODE	PT	POTENTIAL TRANSFORMER
CT	CURRENT TRANSFORMER	QTY	QUANTITY
CTR	CENTER	R	RELOCATE
CVD	CUMULATIVE VOLTAGE DROP	RCL	RECEPTACLE
DD	DEMOLITION	RLA	RUNNING LOAD AMPS
DDMT	DOUBLE-POLE	RTU	ROOFTOP UNIT
DPMO	DOUBLE-POLE	SCCR	SHORT-CIRCUIT CURRENT RATING
DPST	DOUBLE-POLE	SD	SMOKE DETECTOR
EI/ET/EX	ELECTRICAL CONTRACTOR	SP	SQUARE FEET
EC	EXISTING TO REMAIN	SPDT	SINGLE-POLE
EF	EXHAUST FAN	SPST	SINGLE-POLE
EM	EMERGENCY	SSBJ	SUPPLY-SIDE BONDING JUMPER
EMS	ENERGY MANAGEMENT SYSTEM	ST	SHUNT TRIP
ELV	ELECTRONIC LOW-VOLTAGE	SWBD	SWITCHBOARD
EWC	ELECTRIC WATER COOLER	SWGR	SWITCHGEAR
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FACP	FIRE ALARM CONTROL PANEL	TBD	TO BE DETERMINED
FCA	FULL CURRENT AMPS	TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
FCU	FAN COIL UNIT	TL	TWISTLOCK
FF	FINISHED FLOOR	TMBG	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
FLA	FULL LOAD AMPS	TX/FXMR	TRANSFORMER
FLR	FLOOR	TYF	TYPICAL
GC	GENERAL CONTRACTOR	UF	UNDERFLOOR
GEC	GROUNDING ELECTRODE CONDUCTOR	UG	UNDERGROUND
GES	GROUNDING ELECTRODE SYSTEM	UIS	UNDERSLAB
GFR	GROUND FAULT RELAY	UN	UNIT
G	GROUND	UNO	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	UPS	UNINTERRUPTIBLE POWER SUPPLY
ISC	SHORT CIRCUIT CURRENT	VD	VOLTAGE DROP
JB/J-BOX	JUNCTION BOX	VFD	VARIABLE FREQUENCY DRIVE
LF	LINEAR FEET	VS	VACANCY SENSOR
LRA	LOCKED ROTOR AMPS	W	WIRE
LTGLTS	LIGHTING LIGHTS	W/	WITH
MA	MAXIMUM	WP	WEATHER PROOF
MCA	MINIMUM CIRCUIT AMPACITY	WR	WEATHER RESISTANT
MCB	MAIN CIRCUIT BREAKER	WT	WEATHER TIGHT
		XP	EXPLOSION PROOF

LIGHTING			BOXES, LIGHTING CONTROL & WIRING DEVICES		ELECTRICAL ONE-LINE & RISER DIAGRAM	
<div><div><div><div><div><div></div><div>A</div></div><div><div></div><div>B</div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div></div></div><div><div></div><div><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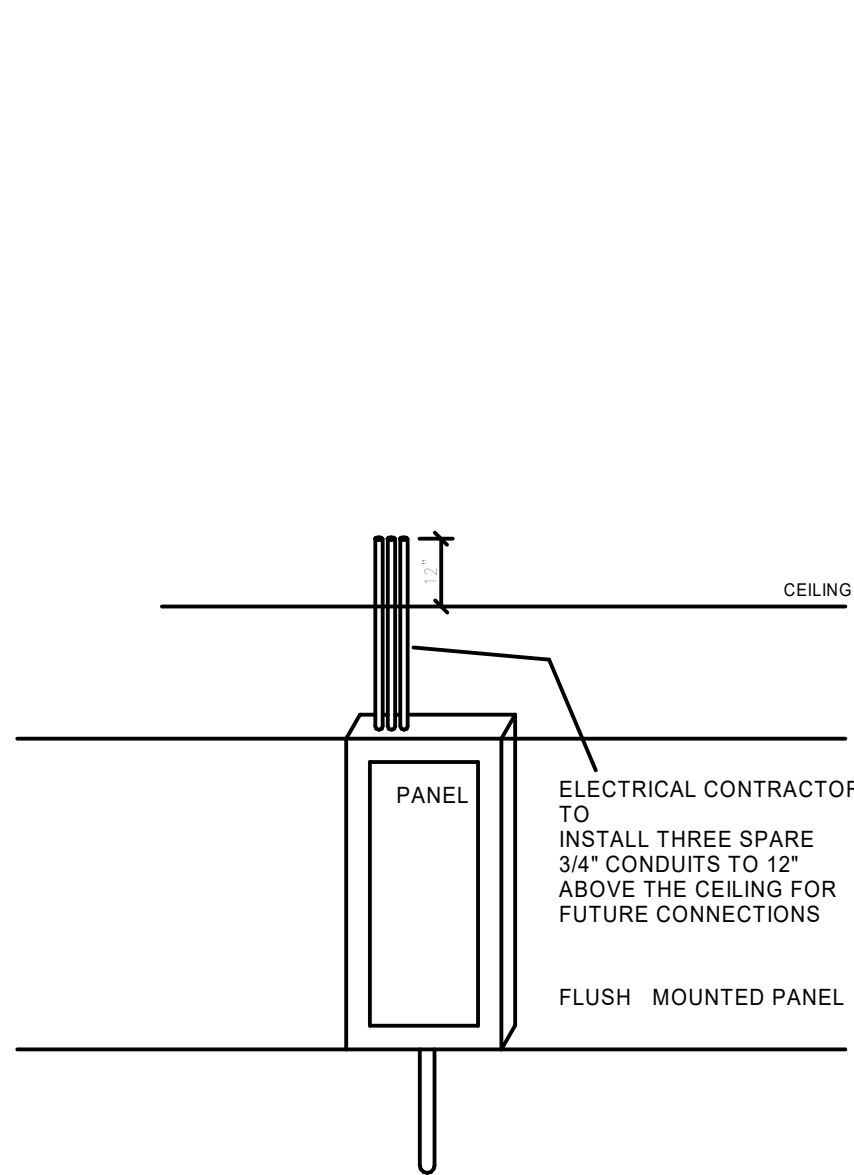
GENERAL NOTES	
1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE ELECTRICAL BUILDING SYSTEM INCLUDING POWER SYSTEMS, LIGHTING SYSTEMS, HVAC AND REFRIGERATION CONTROL SYSTEMS, COMMUNICATIONS, TELEPHONE, INTERCOM SYSTEMS, CASH REGISTER SYSTEM AND FIRE ALARM SYSTEM. DRAWINGS ARE DIAGRAMMATIC AND ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL REQUIREMENTS, ROUGH-INS AND FINISHING COATING PRIOR TO BEING PROJECT AND PERFORMING WORK. FAILURE TO VERIFY REQUIREMENTS PRIOR TO BEING SHALL NOT BE GROUNDS FOR EXTRA COSTS.	6. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO HY-VEE A PARTIAL AS-BUILT DRAWING, ALONG WITH HIS PAYMENT REQUEST, FOR ANY UNDERGROUND ELECTRICAL WORK. THE AS-BUILT SHALL PROVIDE ACCURATE INFORMATION ON CONDUIT SIZE AND LOCATIONS ALONG WITH APPROXIMATE DEPTH OF LINES. THE ELECTRICAL CONTRACTOR SHALL SUBMIT A FINAL AND COMPLETE AS-BUILT DRAWING WITH PAYMENT REQUEST WHEN ALL UNDERGROUND WORK HAS BEEN COMPLETED AND APPROVED BY HY-VEE.
2. IN ADDITION TO THE PROJECT SPECIFICATIONS AND THE COMPLETE SET OF DRAWINGS, THE FOLLOWING DRAWINGS ARE SPECIFICALLY REFERENCED AS A PART OF THE ELECTRICAL SCOPE OF WORK:	7. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY GROUNDING FOR THE BUILDING AS REQUIRED BY THE NEC.
SHEET	DESCRIPTION
E0.0A	ELECTRICAL SYMBOLS AND NOTES
E0.0A	ELECTRICAL DETAILS
E1.0	ELECTRICAL EQUIPMENT LISTING
E1.0	FEEDER DIAGRAM
E1.3	PANELBOARD SCHEDULES
E1.3	PANELBOARD SCHEDULES
E1.4	PANELBOARD SCHEDULES
E2.0A	ELECTRICAL REFRIGERATION SCHEDULES
E2.0B	ELECTRICAL PLAN - PART A
E2.1	ELECTRICAL PLAN - PART A
E2.2	ELECTRICAL PART PLAN
E2.2A	ROOF ELECTRICAL PLAN - PART A
E2.2B	ROOF ELECTRICAL PLAN - PART B
E3.0A	LIGHTING FLOOR PLAN - PART A
E3.0B	LIGHTING FLOOR PLAN - PART B
E3.1	LIGHTING SCHEDULES AND DETAILS
E3.0A	REFRIGERATION ELECTRICAL POWER PLAN - PART A
E3.0B	REFRIGERATION ELECTRICAL POWER PLAN - PART B
E0.0A	ELECTRICAL DEMO PLANS - PART A
E0.0B	ELECTRICAL DEMO PLANS - PART B
E0.0A	ELECTRICAL STUB-UP PLAN
E0.0A	ELECTRICAL STUB-UP PLAN
3. ALL STUB-UPS SHALL BE OF METAL CONDUIT. PVC IS ACCEPTABLE UNDERFLOOR.	15. CONTRACTOR (3 PHASE), PROVIDE WEATHERPROOF DISCONNECT SWITCH WITH TWO DELAY FUSES. SEE INSTALLATION INSTRUCTIONS FOR PROPER WIRING. VERIFY ELECTRICAL REQUIREMENTS.
4. PAINT ALL EXPOSED ELECTRICAL CONDUIT IN KITCHEN, ABIAN, BAKERY AND MEAT AREAS.	16. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL POWER CORDS AT ALL EQUIPMENT. REFER TO EQUIPMENT BOOKLET FOR ALL EQUIPMENT REGARDING CORDS OR HARD WIRED CONNECTIONS.
5. ALL EXTERIOR OR WET LOCATION RECEPTACLES TO BE GROUND FAULT CIRCUIT INTERRUPTERS (GFI).	



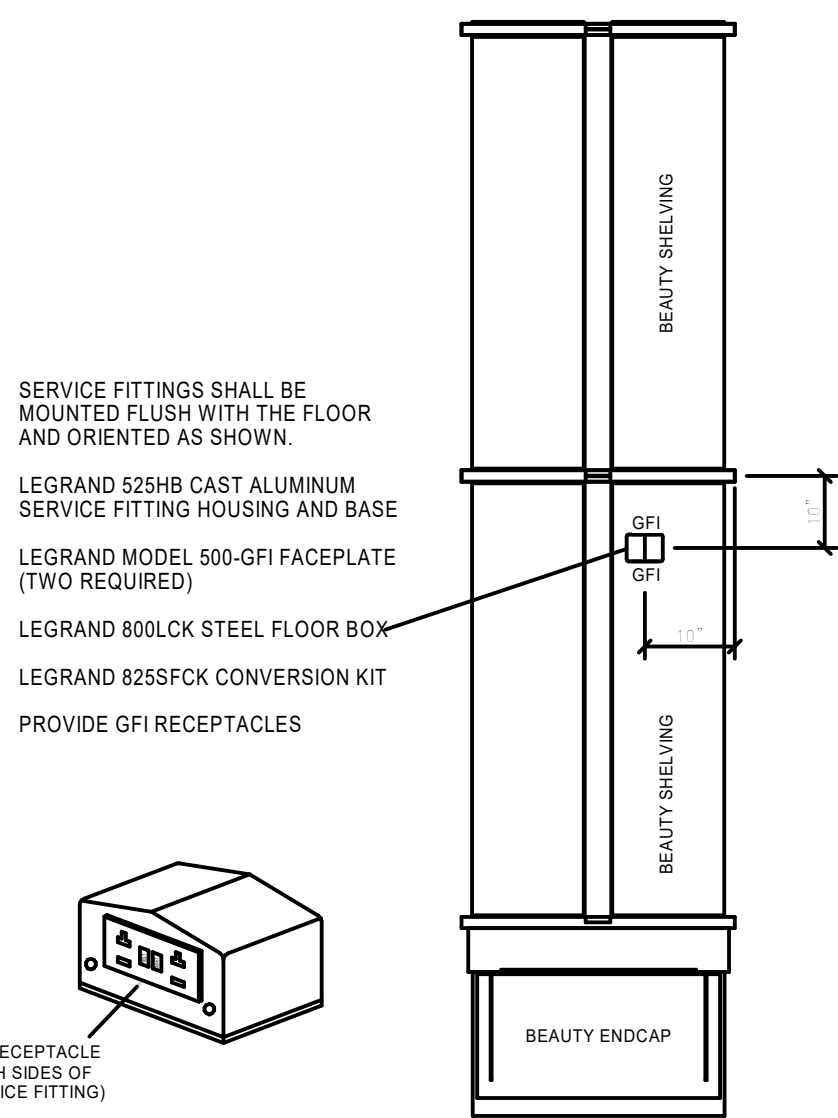
ELECTRICAL WATER COOLER DETAIL
SCALE: NONE



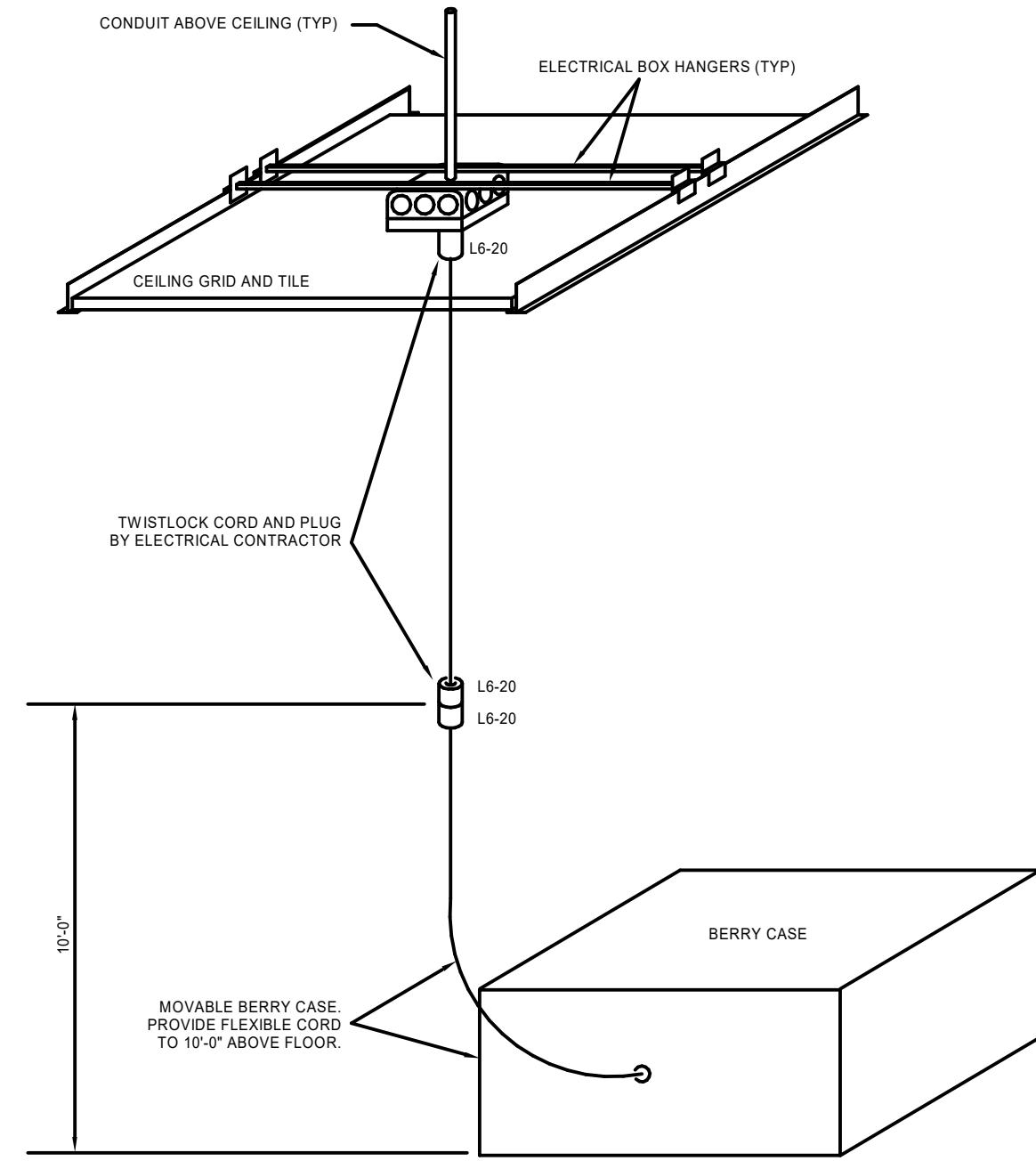
TYPICAL ELECTRICAL WORK IN MILLWORK DETAILS
SCALE: NONE



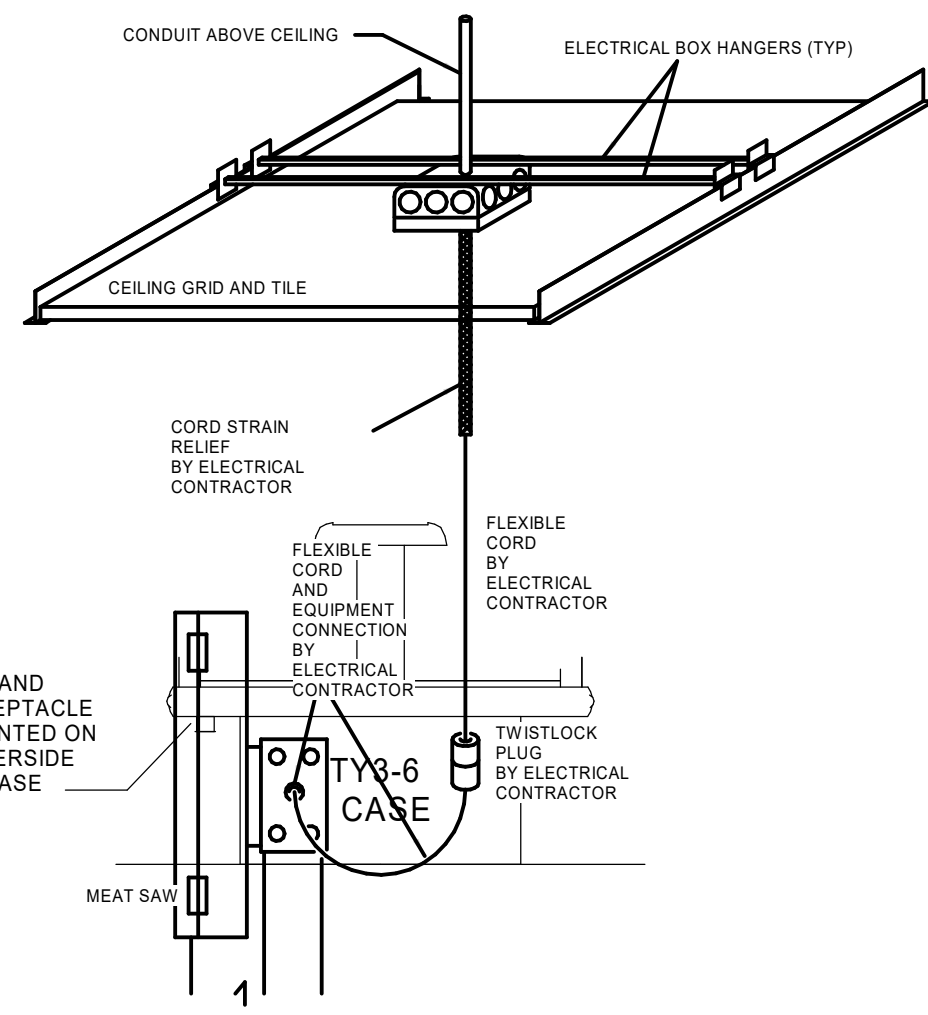
FLUSH MOUNTED PANEL DETAIL
SCALE: NONE



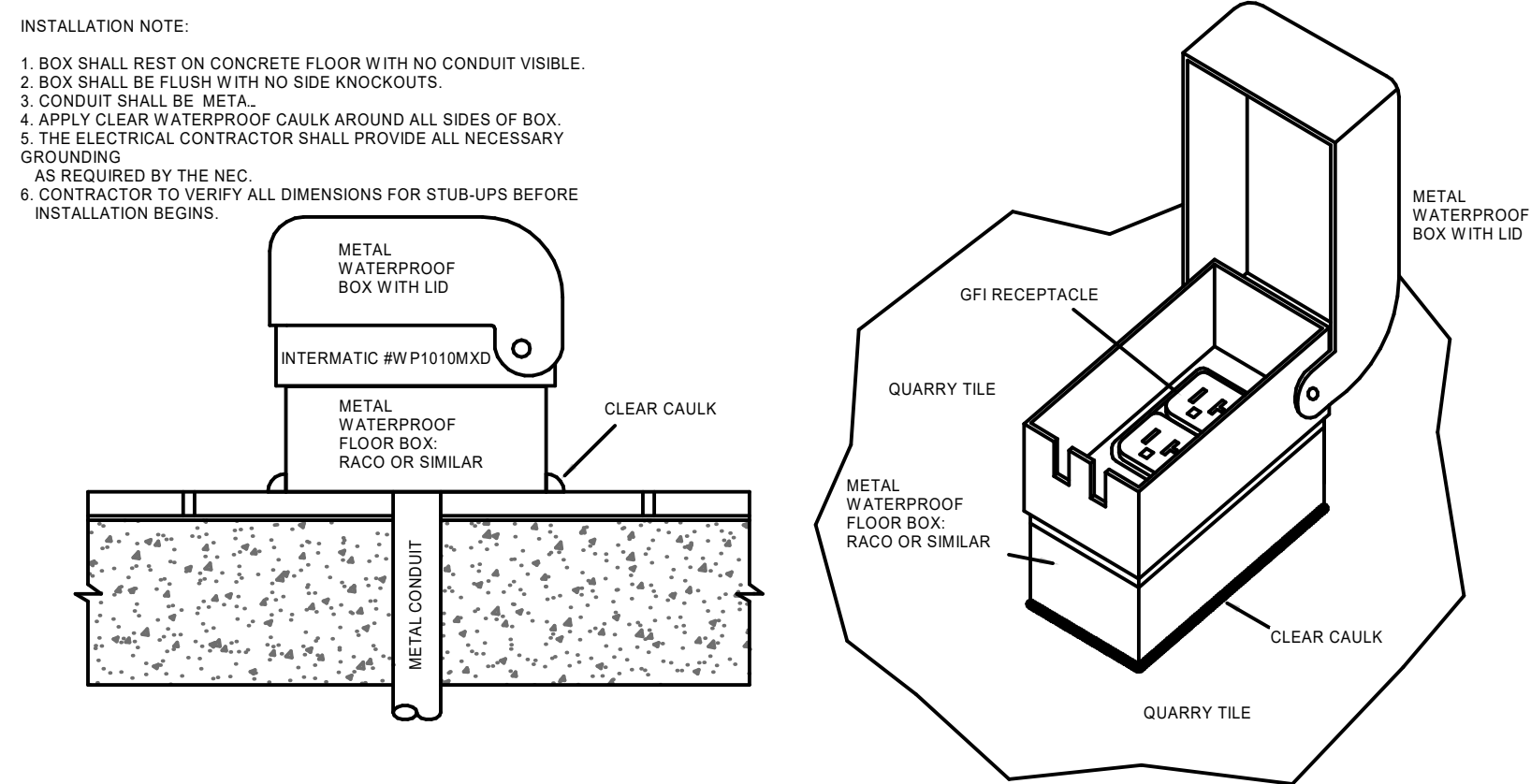
BEAUTY AISLE RECEPTACLE DETAIL
SCALE: NONE



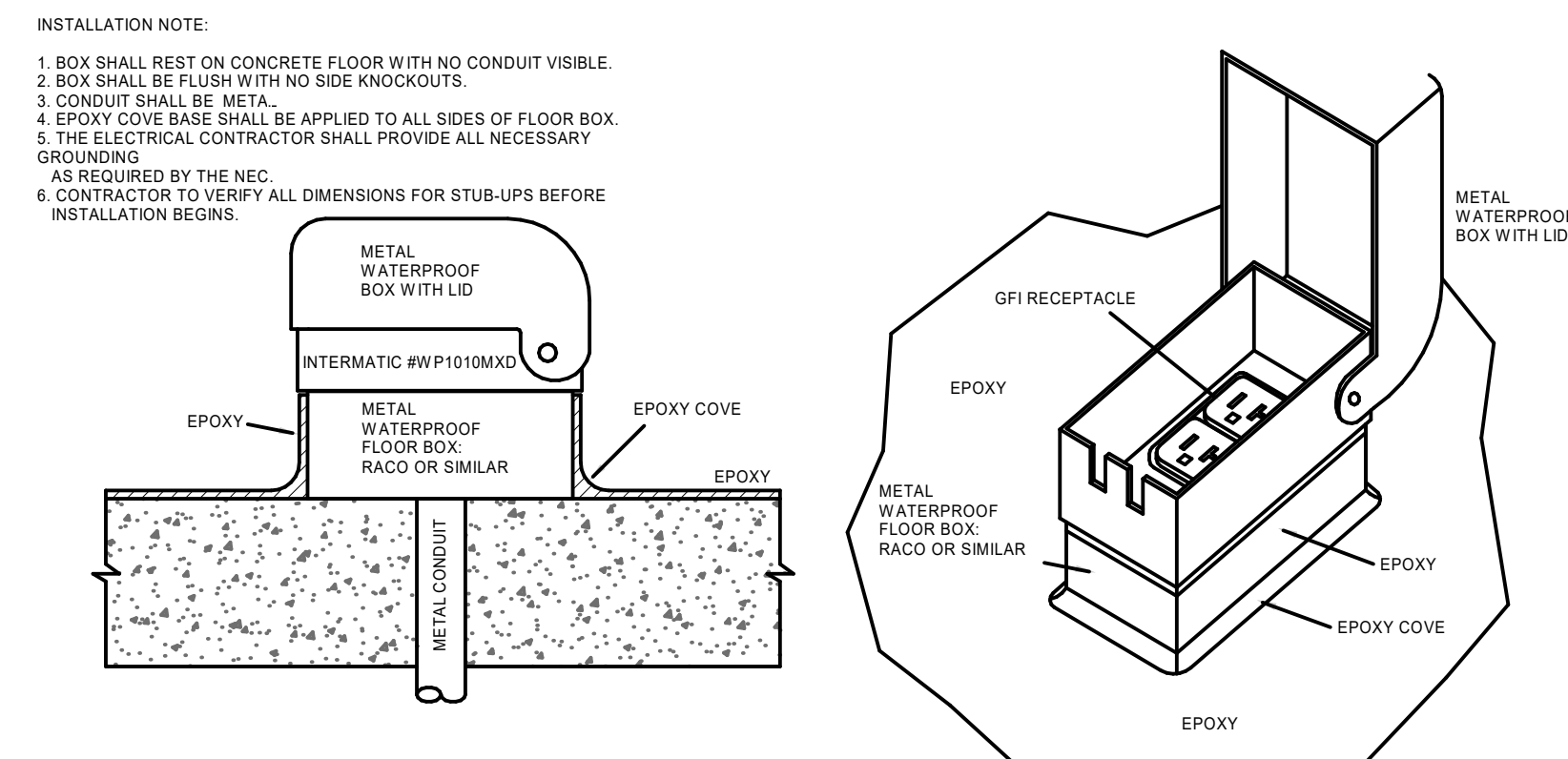
BERRY CASE ELECTRICAL DETAIL
SCALE: NONE



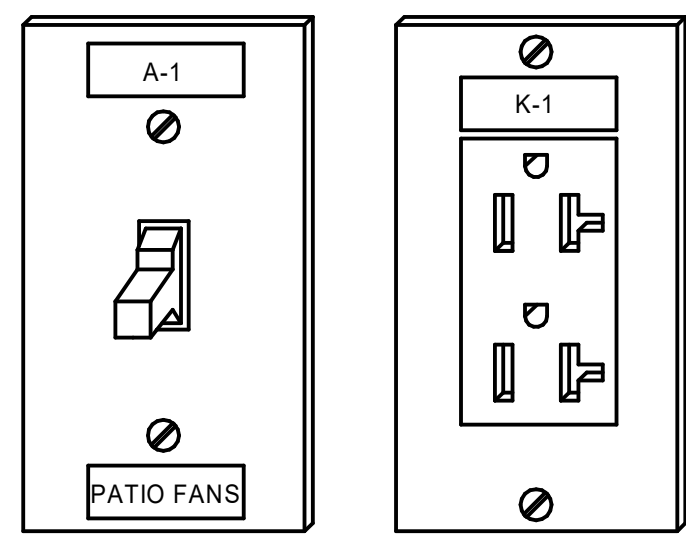
PRODUCE CASE DETAIL
SCALE: NONE



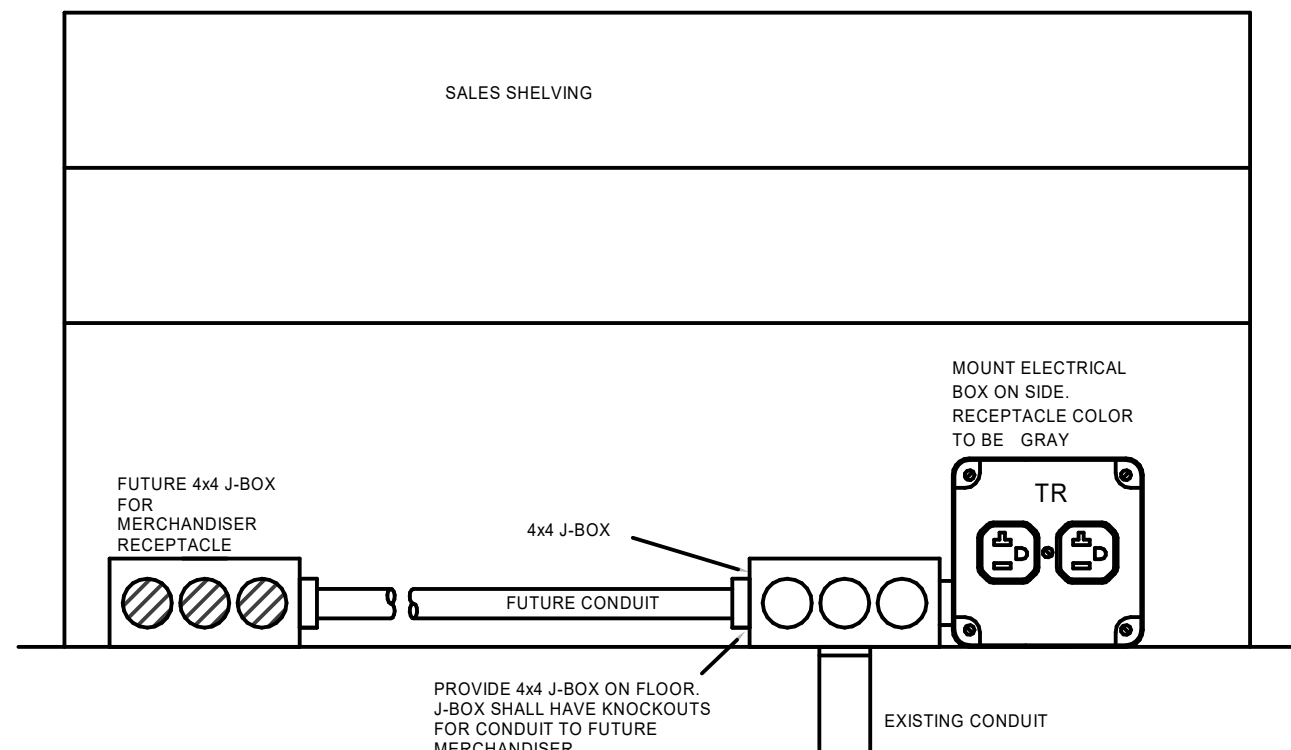
ELECTRICAL FLOOR BOX DETAIL - QUARRY TILE FLOOR
SCALE: NONE



ELECTRICAL FLOOR BOX DETAIL - EPOXY FLOOR
SCALE: NONE



ELECTRICAL DEVICE LABEL REQUIREMENTS
SCALE: NONE



SALES SHELVE RECEPTACLE INSTALLATION DETAIL
SCALE: NONE (APPLIES TO EXISTING STORES WITHOUT MAJOR FLOOR REMOVAL)

REVISION	DATE BY

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM

1950003081
MO. CORPORATE NO. E-5560
EXPIRES 12/31/2020

PROFESSIONAL SEAL
BEAN W. CHANDLER
NUMBER
PE-201703652
OCT 23 2020
DEAN W. CHANDLER
LICENSE # PE-201703652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD
HY-VEE INC.
5820 WEST TOWN PARKWAY
WEST DES MOINES, IOWA 50386
TEL 515.281.9330 FAX 515.267-2600
EMPLOYEE OWNED

NORTH
PLAN NORTH

ELECTRICAL DETAILS

PROJECT MANAGER
SL
DRAWN BY
HENDERSON
SCALE
AS NOTED

CHECKED BY
HEI
DATE
10/19/2020
JOB NUMBER
62830547

SHEET
E0.0A

[illegible]

EQUIPMENT ELECTRICAL LISTING SCHEDULE (continued)										NOT ALL EQUIPMENT LISTED MAY APPLY TO THE PROJECT
EQUIPMENT	MODEL AND DESCRIPTION	LOCATION	VOLTAGE	MCA	MOP	DEVICE	REMARKS	NOTES		
ROBART	1100A GAS FRYER	ASIAN KITCHEN	120V	1.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP		
ROBART	11K20F GAS FRYER	ASIAN KITCHEN	120V	5.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP		
ROBART	21K20E GAS FRYER	ASIAN KITCHEN	120V	5.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP		
ROBART	HT1LS SCALE	ASIAN KITCHEN	120V	1.42	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
STRUCTURAL CONCEPTS	ROTASIAN CASE	ASIAN KITCHEN	208V/1PH	66.0	80A-3P	VERIFY	FIELD VERIFY ELECTRICAL REQUIREMENTS	1-1/2" STUBUP IN PEDESTAL		
TOWN	HC-8 BLUMER	ASIAN KITCHEN	120V	1.7	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP		
TOWN	4 HOLE WOK	ASIAN KITCHEN	120V	0.4	20A-1P	5/20	NO ELECTRICAL			
TOWN	HC-8 BLUMER	ASIAN KITCHEN	120V	1.7	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	TEGSHOT	ASIAN KITCHEN	120V	9.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	51000 wwhs REFRIGERATOR	ASIAN KITCHEN	120V	7.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
LOVEJOE	PLATE CREATOR	ASIAN KITCHEN	120V	3.75	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
	PRINTER	ASIAN KITCHEN	120V	0.19	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
PROJUXE	PROJGRL CSD1515A TORTILLA PRESS	HISPANIC KITCHEN	120V	15.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
STRUCTURAL CONCEPTS	HOT HISPANIC CASE	HISPANIC KITCHEN	208V/1PH	66.0	80A-3P	VERIFY	FIELD VERIFY ELECTRICAL REQUIREMENTS	1-1/2" STUBUP IN PEDESTAL		
SHIELLYSTEEEL	SH-HOT CASE	HISPANIC KITCHEN	208V	28.0	30A-1P	14/30	CORD AND PLUG FURNISHED WITH UNIT			
SHIELLYSTEEEL	SH-HOT CASE	HISPANIC KITCHEN	208V/1PH	20.0	20A-1P	14/30	CORD AND PLUG FURNISHED WITH UNIT			
SHIELLYSTEEEL	SCC-60A COLD CASE	HISPANIC KITCHEN	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
SHIELLYSTEEEL	SCC-14A COLD CASE	HISPANIC KITCHEN	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
SHIELLYSTEEEL	SC-TM-18 MANUAL DOUGH PRESS	HISPANIC KITCHEN	208V/1PH	12.9	20A-3P	5/20	CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP		
DOUGHPRESS	D-TM-22 MANUAL DOUGH PRESS	HISPANIC KITCHEN	208V/1PH	12.9	20A-3P	6/20	CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP		
TRAILLEN	UPT0102	DELI	120V	6.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	TU7H2T	DELI	120V	6.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	1010HT	DELI	120V	6.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	1012HT	DELI	120V	6.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
HEAT SEAL	101A WRAPPER	DELI	120V	6.5	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	HT1LS SCALE	DELI	120V	1.42	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	291S SLICER	DELI	120V	3.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
BERKEE	330H PROSCUITTO FLYWHEEL SLICER	DELI	---	---	---	---	NO ELECTRICAL			
ROBART	HT1LS SCALE	PRODUCE	120V	1.42	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
HEAT SEAL	101A WRAPPER	PRODUCE	120V	6.5	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
	PRODUCE METER	PRODUCE	120V	0.19	20A-1P	5/20	FIELD VERIFY ELECTRICAL REQUIREMENTS			
MAINELAND	LOBSTER TANK	SEAFOOD	120V	15.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (NOT ON UPS)		
STRUCTURAL CONCEPTS	MP4000S OMBB ICE TABLE	SEAFOOD	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	HT1LS SCALE	SEAFOOD	120V	1.42	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	MG-133I GRINDER	MEAT	208V/1PH	7.11P	30A-3P	15/30	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	HW1A HAND WRAP STATION	MEAT	120V	8.5	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	661A SAW	MEAT	208V/1PH	7.9	20A-3P	TWIST-LOCK	HARD WIRED AT CEILING - SEE DETAIL	FLEXIBLE CORD		
ROBART	401A TENDERIZER	MEAT	120V	12/10	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	HT1LS SCALE	MEAT	120V	1.42	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	HT1LS PRINTER	MEAT	120V	1.42	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	AD18A AND18E CASE	MEAT	120V	0.01	20A-1P	5/20	HARD WIRED			
BRD	PATTY MACHINE	MEAT	120V	7.9	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
VILCAN	VC030 2P CHARBOLLER	MEAT	120V	---	---	---	NO ELECTRICAL			
VILCAN	VS-33030N CHARBOLLER/LARGE	MEAT	120V	4.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP		
OLIVE TIME	PK-NUT GRINDER	HEALTHMARKET	208V/1PH	20A-3P	30A-3P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	HT1LS SCALE	HEALTHMARKET	120V	1.42	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	G0149	WINE AND SPIRITS	120V	7.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
BARBER	W1212 REFRIGERATOR	WINE AND SPIRITS	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
BARBER	WINE CELLAR	WINE AND SPIRITS	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
BARBER	RACK	WINE AND SPIRITS	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (ON UPS) 4PLEX		
GOLD MEDIA PROD. CO.	GDSBYE POPPER	SWEETS SHOP	208V/1PH	24.0	30A-3P	114/30	CORD AND PLUG FURNISHED WITH UNIT			
GOLD MEDIA PROD. CO.	CARMEL CORN	SWEETS SHOP	208V/1PH	14.2	20A-1P	114/30	CORD AND PLUG FURNISHED WITH UNIT			
GOLD MEDIA PROD. CO.	CARROT CORN TUNER	SWEETS SHOP	120V	2.1	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
GOLD MEDIA PROD. CO.	CHEESE WARMER	SWEETS SHOP	120V	2.1	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
GROVEN	FLUID KETTLE	SWEETS SHOP	120V	1.8	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
GROVEN	80 T/2	SWEETS SHOP	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	G22000 wwhs REACH-IN FREEZER	SWEETS SHOP	120V	11.2	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	TU04H2T C.C. REFRIGERATED UNIT	SWEETS SHOP	120V	6.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT	VERY MOUNTING HEIGHT		
AMANA	MICROWAVE	SWEETS SHOP	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	TU10HT REFRIGERATED UNIT	SIMPLE FIB ROOM	120V	6.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ZUMINO	Z40 JUICER	JUICE ISLAND	120V	2.4	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRUOFASTER	N40 JUICER	JUICE ISLAND	120V	15.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	ULT1Z FREEZER	LABORATORY	120V	8.0	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
VITAMIX	BLENDER	LABORATORY	120V	15.6	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ZUMEX	JUICER	LABORATORY	120V	7.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
CITRO CASA	8000B	LABORATORY	120V	2.4	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
BOOTHMAN	CUSTOM10A CUBER	LABORATORY	120V	7.6	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ROBART	SCALE	LABORATORY	120V	0.03	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
HEAT SEAL	WRAPPER	LABORATORY	120V	6.1	30A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	TU7H2T REFRIGERATED UNIT	LABORATORY	120V	6.3	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	G130100 wwhs REFRIGERATOR	LABORATORY	120V	7.5	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRAILLEN	G21005 wwhs REFRIGERATOR	LABORATORY	120V	7.5	20A-1P	5/20	CORD AND PLUG FURNISHED WITH UNIT			
ILL-PROXENX	CWC-3R CASE	LABORATORY	120V	9.8	20A-1P	---	HARD WIRED			
ROWE	ICE FLAXER	BACKROOM	208V/1PH	15.0	20A-1P	VERIFY	FIELD VERIFY CONNECTION	POWER FROM RACK OF PANEL 1, W/RTF		
DARLING	DREASE CANDY	BACKROOM	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
TRUOFAST	PAULIE JACK BATTERY CHARGER	BACKROOM	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
(NWH)	WATER SOFTNER	BACKROOM	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT	4PLEX		
ROWE	RO EQUIPMENT	BACKROOM	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT	SEE DETAIL		
NORCROSS	FLOR MACHINERY	BACKROOM	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
NORCROSS	C/20P	BACKROOM	120V	20A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT			
	RACK (IN SCAM ROOM)	BACKROOM	120V	3.0A-1P	5/20	5/20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (ON UPS) 4PLEX		

EQUIPMENT ELECTRICAL LISTING SCHEDULE (continued)							(NOT ALL EQUIPMENT LISTED MAY APPLY TO THIS PROJECT)		
EQUIPMENT	MANUFACTURER	MODEL # AND DESCRIPTION	LOCATION	VOLTAGE	MCA	MOCP	DEVICE	REMARKS	NOTES
ABB		ABBSD-2B3 T DECK BAKERY OVEN	BAKERY	208V-3PH	62.0	60A-3P	—	HARD WIRED	SLOW BLOW BREAKER
ABB		ABBSD-3A 3-BUN ROUNDER	BAKERY	208V-3PH	4.0	20A-3P	115-20	CORD AND PLUG FURNISHED WITH UNIT	SLOW BLOW BREAKER
ABB		ABBSD-3B100T MILLER	BAKERY	208V-3PH	20.0	20A-3P	115-20	CORD AND PLUG FURNISHED WITH UNIT	SLOW BLOW BREAKER
BAKERT		OVS0502 BAKERY OVEN	BAKERY	208V-3PH	—	50A-3P	—	HARD WIRED	
BAKERT		BAKERY OVEN CONTROL	BAKERY	120V	—	20A-1P	—	HARD WIRED	DEDICATED ELECTRICAL CIRCUIT
BAKERT		PAVE 80-2 DIAMETER PROPSER	BAKERY	208V-3PH	36.0	30A-3P	—	HARD WIRED	PROVIDE EXTRA NEUTRAL WIRE
BAKERT		PROPSER (CONTROLS)	BAKERY	120V	—	20A-1P	—	HARD WIRED	DEDICATED ELECTRICAL CIRCUIT
BAKERT		250000 1000A OVER	BAKERY	208V-3PH	10,315.5	10,315.5A-3P	10,315-20	10,315.5A-3P LABEL CORDS AND PLUGS	MOUNT THIS LOCK RECEIPT IN CELL
BAKERT		BBSD0 BREAD SLURER	BAKERY	120V	6.0	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
HOBART		HLB0-20 0-T WAKER	BAKERY	208V-3PH	—	30A-3P	VERIFY	FELD VERIFY ELECTRICAL CONNECTION	
HOBART		MBS 90-2 WAKER	BAKERY	208V-3PH	—	30A-3P	VERIFY	FELD VERIFY ELECTRICAL CONNECTION	
HOBART		HTVL5 SCALE	BAKERY	120V	1.62	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
HOBART		HTVLA PRINTER	BAKERY	120V	1.62	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
STRUCTURAL CONCEPTS		HWK7 CASE	BAKERY	120V	1.1	20A-1P	5-20	FELD VERIFY ELECTRICAL REQUIREMENTS	
STRUCTURAL CONCEPTS		HWK9 CASE	BAKERY	120V	1.1	20A-1P	5-20	FELD VERIFY ELECTRICAL REQUIREMENTS	
LVD		1000 1000A OVER	BAKERY	208V-3PH	7.3	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
LVD		BUN ROUNDER	BAKERY	208V-3PH	9.3	20A-3P	—	HARD WIRED	
LVD		PAN WASHER	BAKERY	208V-3PH	71.0	100A-3P	—	HARD WIRED CONCEALED CONDUIT	ALTECH KEM1000UL SWITCH
PROCEAC		PROCEAC	BAKERY	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
AVALLON		SLANGING TABLE	BAKERY	—	—	—	—	NO ELECTRICAL	
BELSHAW		HC10C HAND SLASER	BAKERY	—	—	—	—	NO ELECTRICAL	
BELSHAW		SB-SP1000 SCALE	BAKERY	120V	1.0	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
AMANA		MICROWAVE	BAKERY	120V	25A-1P	5-20	—	CORD AND PLUG FURNISHED WITH UNIT	
JOHN BOOS		TV	BAKERY	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	VERIFY MOUNTING HEIGHT
JOHN BOOS		NORDEA'S TABLE	BAKERY	—	—	—	—	NO ELECTRICAL	
OLIVER		70 JZ CASE	BAKERY	120V	7.0	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
OLIVER		720N BAGEL SLURER	BAKERY	120V	6.0	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
OLIVER		VACUUM	BAKERY	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
OLIVER		AIR COMPRESSOR SPRAY GUN	BAKERY	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
OLIVER		WASH PRO 300	BAKERY	208V-3PH	57.0	30A-3P	115-20	CORD AND PLUG FURNISHED WITH UNIT	
HATCO		TO KNOB TASTER	BAKERY	208V-3PH	42.0	20A-3P	6-20	CORD AND PLUG FURNISHED WITH UNIT	
AMANA		TO KNOB TASTER	BAKERY	208V-3PH	42.0	20A-3P	6-20	CORD AND PLUG FURNISHED WITH UNIT	
BELSHAW ADAMATIC		EX-500A SHORTING WELTER	BAKERY	208V-3PH	51.0	30A-3P	—	REUSE EXISTING ELECTRICAL LOCK LOGS	SHUNT TRIP - TRIP LOCK RECEIPT E.C.
BELSHAW ADAMATIC		EXNLS-15 SHORTING WELTER	BAKERY	120V	10.0	20A-1P	10-20	CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP
WMM		REFRIGERATOR	PHARMACY	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (NOT ON UPS)
WMM		TUBE BLOWER	PHARMACY	208V-3PH	—	20A-3P	VERIFY	CORD AND PLUG FURNISHED WITH UNIT	VERIFY ALL REQUIREMENTS
SCIENTIFIC		SP100 PRESCRIPTION DISPENSER	PHARMACY	120V	13.0	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	DEDICATED ELECTRICAL CIRCUIT
SCIENTIFIC		TABLET LOO PRESSURE MACHINE	PHARMACY	120V	2.5	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	DEDICATED ELECTRICAL CIRCUIT
WMM		ROLLOUT PRINTER	PHARMACY	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (NOT ON UPS)
WMM		RACK	PHARMACY	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (ON UPS), 4-PLEX
WMM		REFRIGERATOR	BREAKROOM	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		COFFEE MAKER	BREAKROOM	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		TV	BREAKROOM	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	VERIFY MOUNTING HEIGHT
WMM		CONSTAT	CUSTOMER SERVICE	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		LOTUS	CUSTOMER SERVICE	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		CHARBETTER SIGNAGE	CUSTOMER SERVICE	120V	105A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	OPTIONAL
WMM		MONITOR ORDERS	CUSTOMER SERVICE	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		WESTERN UNION	CUSTOMER SERVICE	120V	5-20	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		ATN	CUSTOMER SERVICE	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		COOPER	CUSTOMER SERVICE	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		POSTAL COUNTER	CUSTOMER SERVICE	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		RACK	CUSTOMER SERVICE	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	FIELD VERIFY CONNECTION GENERATOR CKT (ON UPS), 4-PLEX
WMM		CASH ACCOUNTABILITY	CASH ACCOUNTABILITY	120V	8.5	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (NOT ON UPS)
WMM		SAFETY	CASH ACCOUNTABILITY	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (NOT ON UPS)
WMM		REVISION	CASH ACCOUNTABILITY	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	VERIFY WITH MANUFACTURER
WMM		XIT11 HANDCART CART	VESTIBULE	120V	13	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		ACU XL SW	CENTER STORE	120V	11.5	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		GOW415	CENTER STORE	120V	8.8	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		TAG-48	CENTER STORE	208V-3PH	12.0	20A-2P	6-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		SACU 300	CENTER STORE	120V	105A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	VERIFY WITH MANUFACTURER
WMM		BULK WATER MACHINE	CENTER STORE	120V	105A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	VERIFY LOCATION
WMM		CF 1000 (gals)	CAN REDEMPTION	208V-3PH	—	20A-3P	115-20	CORD AND PLUG FURNISHED WITH UNIT	STANDARD
WMM		CF 1000 (gals)	CAN REDEMPTION	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	OPTIONAL
WMM		CF 1000 (gals)	CAN REDEMPTION	208V-3PH	—	20A-3P	115-20	CORD AND PLUG FURNISHED WITH UNIT	STANDARD
WMM		CF 1000 (gals)	CAN REDEMPTION	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	OPTIONAL
WMM		CF 1000 (gals)	CAN REDEMPTION	208V-3PH	—	20A-3P	115-20	CORD AND PLUG FURNISHED WITH UNIT	STANDARD
WMM		CF 1000 (gals)	CAN REDEMPTION	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	OPTIONAL
WMM		REFRIGERATOR	CLINIC	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	HOSPITAL GRADE DEVICE AC CABLE
WMM		FREEZER	CLINIC	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	HOSPITAL GRADE DEVICE AC CABLE
WMM		MOTORIZED GRILLE	CLINIC	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	PROVIDE KETED AND SP454 SWITCH
WMM		KOOL	CLINIC	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		SOLINOID VALVE AT RESTROOM	CLINIC	120V	20A-1P	—	—	SEE RIBD DRAWINGS FOR LOCATIONS	CONTROLLED BY SWITCH
WMM		RACK	CLINIC	120V	20A-1P	5-20	5-20	HOSPITAL GRADE DEVICE AC CABLE	GENERATOR CKT (NOT ON UPS)
WMM		TRUO 10-548	VARIABLES	120V	6.0	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		GOW 91-2	VARIABLES	120V	2.0	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		GOW 91-5	VARIABLES	120V	2.0	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		T-350	VARIABLES	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		REXDO	VARIABLES	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		REXDO	VARIABLES	120V	20A-1P	5-20	5-20	FELD VERIFY ELECTRICAL REQUIREMENTS	
WMM		LIBER	VARIABLES	120V	20A-1P	5-20	5-20	CORD AND PLUG FURNISHED WITH UNIT	SELF-CONTAINED UNIT
WMM		LAMAZO ICE MERCHANDISER	VARIABLES	120V	—	20A-1P	5-20	CORD AND PLUG FURNISHED WITH UNIT	
WMM		CHECKSTANDS / CASH REGISTERS / PAYSTATIONS / TERMINALS / CRTS	VARIABLES	120V	—	20A-1P	5-20	CORD AND PLUG - SEE E-4 DRAWING	
REFER TO EQUIPMENT DRAWINGS (EQ1 _), THE EQUIPMENT BOOK, and DRAWINGS 0 thru 0-3 FOR ADDITIONAL INFORMATION AND DETAILS									

REVISION	DATE BY
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DEAN W. CHANDLER
LICENSE # PE-2017036652

#2


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NORTH PLAN NORTH

ELECTRICAL EQUIPMENT LISTING

[illegible]

PROJECT MANAGER	CHECKED BY:
SL	HEI

DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547
SHEET: E0.1	

PANELBOARD: B (EXISTING)										FED FROM: MDP1 BUS AMPS: 225A AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR SERVES: LIGHTING MAIN SIZE/TYPE: MLO VOLTSPHASE: 208Y/120V, 3PH, 4W SECTION: 1										LINE-SIDE LUGS: MECHANICAL EQUIPMENT GROUND BUS									
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.															
		A	B	C						A	B	C																	
1	LTO - DELICHEESE	420			12	20	1	1	20	12	1,332		LTO - WINE AND SPIRITS 4	2															
3	LTO - DELICHEESE TRACK		147		12	20	1	1	20	12		1,110	LTO - WINE AND SPIRITS 5	4															
5	LTO - PRODUCE TRIM			252	12	20	1	1	20	12		383	LTO - WINE AND SPIRITS VEST.	6															
7	LTO - MEAT/SEAFOOD	732			12	20	1	1	20	EX	1,200		SALES AREA LTG	8															
9	LTO - MEAT/SEAFOOD TRACK		189		12	20	1	1	20	EX		1,200	SALES AREA LTG	10															
11	LTO - MEAT CASE PENDANTS			60	12	20	1	1	20	EX		1,200	SALES AREA LTG	12															
13	LTO - MEAT TRIM	702			12	20	1	1	20	EX	1,200		SALES AREA LTG	14															
15	LTO - PIZZA/ASIAN TRACK		126		12	20	1	1	20	EX		1,200	SALES AREA LTG	16															
17	LTO - PIZZA/ASIAN			684	12	20	1	1	20	EX		1,200	SALES AREA LTG	18															
19	LTO - FOOD SERVICE ROOM	348			12	20	1	1	20	EX	1,200		SALES AREA LTG	20															
21	LTO - KITCHEN/CONF FOODS		756		12	20	1	1	20	EX		1,200	SALES AREA LTG	22															
23	LTO - CONF FDS/MIKT EXP/USHI			105	12	20	1	1	20	EX		1,200	BACK ROOM LTG	24															
25	LTO - EXIT HALL	294			12	20	1	1	20	EX	1,200		BACK RM CLG FAN & HEATER	26															
27	LTO - BAKERY 1		600		12	20	1	1	20	EX		1,200	ELEC ROOM LTG	28															
29	LTO - BAKERY 2			840	12	20	1	1	20	EX		1,200	TUNNEL LTG & BUNKER DEMO	30															
31	LTO - BAKERY 3	780			12	20	1	1	20	EX	500		SYS 9 BUNKER	32															
33	LTO - BAKERY/DECADENT TRACK		189		12	20	1	1	20	EX		500	SYS 11 BUNKER	34															
35	LTO - WINE AND SPIRITS 1			1,332	12	20	1	1	20	EX		678	LTO - WINE ROOM TRACK	36															
37	LTO - WINE AND SPIRITS 2	1,332			12	20	1	1	20	EX	200		LTO - DAIRY TRACK	38															
39	LTO - WINE AND SPIRITS 3		1,210		12	20	1	1	20	EX		1,000	LTO - CANDY CARDS TRACK 1	40															
41	EQUIPPED SPACE				1	1	20	12				1,000	LTO - CANDY CARDS TRACK 2	42															
SUBTOTAL		4,608	3,217	3,273							6,832	7,410	6,861	SUBTOTAL															
TOTAL PHASE A - VA		11,440			LOAD		CONN. VA		DF		LOAD		CONN. VA		DF														
AMPS		95			COOLING						REFRIG				1.00														
TOTAL PHASE B - VA		10,627			HEATING						SIGN/DISP				1.25														
AMPS		89			LIGHTING		18,001		1.25		KITCHEN				1.00														
TOTAL PHASE C - VA		10,134			RECEPTACLES				1.0/5		EXISTING		15,400		1.00														
AMPS		84			MOTORS				1.00		LRG MOTOR				1.25														
TOTAL PNLBD - VA		32,201			SUPP HEAT				1.00		SHOW WNDW				1.25														
AMPS		89			MISC EQUIP				1.00		LTO TRACK				1.00														
PANELBOARD NOTES																													

PANELBOARD: E (EXISTING)										FED FROM: MDP1 BUS AMPS: 225A AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR SERVES: KITCHEN/DELI MAIN SIZE/TYPE: MLO VOLTSPHASE: 208Y/120V, 3PH, 4W SECTION: 1										EQUIPMENT GROUND BUS									
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BWR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.															
		A	B	C						A	B	C																	
1		3,759			8	40	3	2	50	6	3,445		HICKORY HOUSE HOT CASE 2	2															
3	DELI BOOSTER HEATER		3,759								3,445			4															
5				3,759						12		720	KITCHEN ROTISSERIE	6															
7	HIBACHI 10" COLD CASE	270			EX	20	1	1	20	EX	500		EXISTING LOAD	8															
9	PIZZA DEEP WELL		500		EX	20	1	1	20	EX		500	EXISTING LOAD	10															
11	PIZZA RCPT			500	EX	20	1	1	20	EX		500	EXISTING LOAD	12															
13	DELI DISPOSAL	500			EX	20	1	1	20	EX	1,400		KITCHEN HEAT RAIL	14															
15	DELI DISHWASHER EX FAN EFS		1,000		EX	20	1	1	20	EX		1,176	KITCHEN REF TABLE (BACK RM)	16															
17	WEST BAKERY FRZR FANS			1,000	EX	20	2	1	20	EX		500	EXISTING LOAD	18															
19	WEST BAKERY FRZR FANS	1,000			EX	20	1	1	20	EX		500	EXISTING LOAD	20															
21	BAKERY WEST COIL FRZR FANS		500		EX	20	1	1	20	EX		360	KITCHEN CONV RCPT 1	22															
23	JUICE BAR ISO GROUND			500	EX	20	1	1	20	EX		540	KITCHEN CONV RCPT 2	24															
25	JUICE BAR RCPT	500			EX	20	1	2	30	EX	2,496		HOT WELLS	26															
27	EXISTING LOAD		500		EX	20	1					2,496		28															
29	EXISTING LOAD			500	EX	20	1	1	20	EX		500	DELI DISPOSAL	30															
31	HICKORY HOUSE HOT CASE 1	3,077			8	40	2	1	20	EX	500		DELI HALF WALL RCPTS	32															
33			3,077					1	20	EX		500	WINE TASTING RCPT	34															
35	CHINESE HOT WELL			7,475	3	100	2	1	20	EX		500	WINE TASTING RCPT	36															
37	EXISTING LOAD		7,475		EX	20	1	1	20	EX		1,920	KITCHEN HOLDING CABINET	38															
39	EXISTING LOAD		500		EX	20	1	1	20	EX		1,176	KITCHEN REF TABLE	40															
41	BAKERY FRZR LTS		500		EX	20	1	1	20	EX		500	PRODUCE COLUMN RCPT	42															
SUBTOTAL		16,581	9,836	14,234							10,761	9,653	3,760	SUBTOTAL															
TOTAL PHASE A - VA		27,342			LOAD		CONN. VA		DF		LOAD		CONN. VA		DF														
AMPS		228			COOLING		1.00		REFRIG		1.00		1.00		1.00														
TOTAL PHASE B - VA		19,489			HEATING		0		SIGN/DISP		1.25		1.25		1.25														
AMPS		162			LIGHTING		1.25		KITCHEN		34,656		0.65		0.65														
TOTAL PHASE C - VA		17,994			RECEPTACLES		900		1.0/5		17,992		1.00		1.00														
AMPS		150			MOTORS		11,277		1.00		LRG MOTOR		1.25		1.25														
TOTAL PNLBD - VA		64,825			SUPP HEAT		1.00		SHOW WNDW		1.25		1.25		52,895 VA														
AMPS		180			MISC EQUIP		1.00		1.00		1.00		1.00		146 A														
PANELBOARD NOTES																													

PANELBOARD: H (EXISTING)										FED FROM: MDP1										EQUIPMENT GROUND BUS									
BUS AMPS: 225A										AIC RATING: 10000 FULLY RATED																			
MAIN SIZE/TYPE: MLO										SERVES: MEAT & SEAFOOD POWER																			
VOLT/PHASE: 208Y/120V, 3PH, 4W										MOUNTING: SURFACE																			
SECTION: 1										LOCATION: ELECTRICAL ROOM																			
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.															
		A	B	C						A	B	C																	
1		1,921						1	20	EX	500		CORD DROP	2															
3	MEAT SAW		1,921		EX	20	3	1	20	EX		500	CORD DROP	4															
5				1,921				1	20	EX			EXISTING LOAD	6															
7		4,803						1	20	EX	1,200		MEAT PREP FANS	8															
9	TRASH COMPACTOR		4,803		EX	50	3	1	20	EX		1,200	MEAT PREP DISPOSAL	10															
11				4,803				1	20	EX		500	SERVICE MEAT RCPT	12															
13	UH-4 (ELEC ROOM)	500			12	20	1	1	20	EX	500		MEAT WRAPPER	14															
15	SPARE				20	1	1	20	EX		500		S MEAT PREP SPARE	16															
17	EXISTING LOAD			500	EX	20	1	1	20	EX		500	S MEAT PREP SPARE	18															
19			367					1	20	EX	500		PNL Q CONTACTOR	20															
21	BAKERY VARIA PRO SLICER		367		12	20	3				4,491			22															
23				367				3	50			4,491	MAU-2 FANS	24															
25	RCPT - ALARM BY COMPACT	500			EX	20	1				4,491			26															
27	BAKERY SCREENS		360		12	20	1	1	20	12	725	500	DELI CHEESE HEAT WRAP	28															
29	SPARE				20	1	1	20	12				DELI CHEESE SLICER 2	30															
31		1,345						1	20	12	500		DELI CHEESE SLICER 2	32															
33	MAU-2 CONDENSERS 1		1,345		12	20	3	1	20	EX		500	MEAT & CHEESE RCPT	34															
35				1,345				2	20	EX		1,000	PAININ PRESS	36															
37		2,570									1,000			38															
39	MAU-2 CONDENSERS 2		2,570		10	30	3	1	20	EX		500	DELI FLOOR RCPT	40															
41				2,570				1	20	EX		500	MEAT & CHEESE RCPT FLOOR	42															
SUBTOTAL		12,006	11,366	11,506							8,691	8,416	7,991	SUBTOTAL															
TOTAL PHASE A - VA		20,697			LOAD	CONN. VA	DF		LOAD	CONN. VA	DF																		
AMPS		172			COOLING		1.00		REFRIG		1.00																		
TOTAL PHASE B - VA		18,782			HEATING		0		SIGN/SPD		1.25																		
AMPS		165			LIGHTING		1.25		KITCHEN		2,826	0.80																	
TOTAL PHASE C - VA		19,497			RECEPTACLES	360	10/15		EXISTING		31,072	1.00																	
AMPS		162			MOTORS	25,218	1.00		LRG MOTOR		1.25		TOTAL DEMAND																
TOTAL PHASE - VA		59,976			SUPP HEAT	500	1.00		SNOW W/NDW		1.25			59,411 VA															
AMPS		166			MISC EQUIP		1.00		LTG TRACK		1.00																		
PANELBOARD NOTES																													

PANELBOARD: T (EXISTING)

BUS AMPS: 100A

MAIN SIZE TYPE: MLO

VOL.TS/PHASE: 208Y120V, 3PH, 4W

SECTION: 1

FED: MDP1

AIRC RATING: 1000 FULLY RATED

SERVES: REFRIGERATION

MOUNTING: SURFACE

LOCATION: ELECTRICAL ROOM

EQUIPMENT GROUND BUS

CKT NO	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO	BKR AMP	P	BKR AMP	WIRE NO	VOLTAMPS/PHASE			DESCRIPTION	CKT NO
		A	B	C						A	B	C		
V 1	SPARE				20	1	1	20	EX	1,200			TRUCK OUTLET HEATER?	2
3	SPARE				2	1	20		EX		1,000		HVAC CONTROL PANEL	4
5	SPARE				1	1	20		EX			1,000	KCPL/INNOVATOR	6
X 7	EQUIPPED CASE FANS	500			EX	20	1	1	20	EX	1,000		KCPL/INNOVATOR	8
9	CHEESE CASE						1	1	20	12	360		FROZEN CASE RCPT 1	1
V 11	SPARE						1	1	20	12		360	FROZEN CASE RCPT 2	12
13		3,843			13		1	1	20	12	360		FROZEN CASE RCPT 3	14
X 15	MOTOR ROOM HEATER		3,843		EX	40	3	1	1	20	12		FROZEN CASE RCPT 4	16
17				3,843				1	1	20			SPARE	18
V 19	EQUIPPED SPACE						1	1	20	EX	1,000		CULLIGAN WATER SYSTEM	20
X 21	DENO				EX	20	1	2	20				SPARE	22
X 23	SW FROZEN RCPT				EX	20	1							24
25		7,686					1	1	20	EX	500		DAIRY COLUMN RCPT	26
X 27	WALK IN FREEZER		7,686		EX	80	3	1	1	20	EX	500	DAIRY COLUMN RCPT	28
29				7,686				1	1	20	EX	500	T STAT	30
	SUBTOTAL	12,029	12,029	12,029						4,060	2,220	1,860	SUBTOTAL	
TOTAL PHASE A - VA		16,089	LOAD		CONN. VA		DF	LOAD		CONN. VA		DF		
AMPS		134	COOLING				1.00	REFRIG				1.00		
TOTAL PHASE B - VA		14,249	HEATING				0	SIGN/INDIC				1.25		
AMPS		119	LIGHTING				1.25	KITCHEN				1.00		
TOTAL PHASE C - VA		13,889	RECEPTACLES		1,440		0.0	EXISTING		42,787		0.80		
AMPS		116	MOTORS				1.00	LRG MOTOR				1.25	TOTAL DEMAND	
TOTAL PNLBD - VA		44,227	SUPP HEAT				1.00	SHOW WINDOW				1.25	35,670 VA	
AMPS		123	MISC EQUIP				1.00	LTO TRACK				1.00	99 A	

PANELBOARD NOTES

PANELBOARD: U (RELOCATED)				FED FROM:				MDP1				EQUIPMENT GROUND BUS			
BUS AMPS: 225A				A/C RATING: 10000 FULLY RATED											
MAIN SIZE TYPE: MLO				SERVICES: FRONT OFFICE											
VOLT/PHASE: 208Y/120V, 3PH, 4W				MOUNTING: SURFACE											
SECTION: 1				LOCATION: STORAGE											
CKT NO	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CIRCUIT NO.		
		A	B	C					A	B	C				
7		7,073													
3	RTU-12 (WNE & SPIRITS)		7,073		4	70	3	1	20	12	720	540	BAR RCPTS & PRINTER	2	
5				7,073				1	20	12		190	SUSHI SCALYTYS	4	
7	WAS VESTIBULE AUTO DOOR	1,000			12	20	1	1	20	12	540		SUSHI RICE SHEETER	8	
9	SODA ICE MACHINE 2		1,435		12	20	2	1	20	12	540		BAR CONV RCPTS	6	
11				1,435				1	20	12		540	DINING CONV RCPTS 2	10	
13	SPARE				EX	20	2	1	20	12	264		LTG - CUST RTR VANITY	14	
15								1	20	12		540	HUMAN RESOURCES RCPT 1	10	
17	DIRECTORS OFFICE RCPT 1			540	12	20	1	1	20	12	720		HUMAN RESOURCES RCPT 2	10	
19	DIRECTORS OFFICE RCPT 2	540			12	20	1	1	20	12	380		HALLWAY RCPTS/TIMECLOCK	14	
21	ASSISTANT MGRS RCPT		540		12	20	1	1	20	12		1,000	EMP. LOUNGE FRIDGE 1	22	
23	RESTROOM RCPTS 1			720	12	20	1	1	20	12		1,000	EMP. LOUNGE FRIDGE 2	24	
25	RESTROOM RCPTS 2	720			12	20	1	1	20	12	720	500	EMP. LOUNGE RCPTS/TV	26	
27	RESTROOM RCPTS 3		720		12	20	1	1	20	12	EX	720	EMP. LOUNGE RCPTS/TV	26	
29	EMP. LOUNGE POP MACH. 1			500	12	20	1	1	20	12		624	LTG - EMP LOUNGE/DEPT HD	30	
31	EMP. LOUNGE POP MACH. 2	500			12	20	1	1	20	12	522		LTG - ASST MGR/DIR OFF/HRR	32	
33	EMP. LOUNGE RCPTS		720		12	20	1	1	20	12	600		LTG - DRUM LIGHTS	34	
35	WAS RFLN-2 DEFROST		697		12	20	2	1	20	12		400	LTG - CYCLER PENDANTS	36	
37		697						1	20	12	200		LTG - OLYMPIC LIGHTS	38	
39	WAS RFLN-2 FANS		1,248		12	20	1	1	20	12		500	CP-1	40	
41	ROOFTOP RCPTS			720	12	20	1	1	20	12	EX		HVAC CONTROL PANEL	42	
	SUBTOTAL	10,530	11,796	11,685					3,326	4,220	3,974		SUBTOTAL		
TOTAL PHASE A - VA		13,856			LOAD	CONN. VA	DF		LOAD	CONN. VA	DF				
AMPS		115			COOLING	21,219	1.00		REFRIG	2,642	1.00				
TOTAL PHASE B - VA		15,956			HEATING		0		SIGN/SP		1.25				
AMPS		133			LIGHTING	2,610	1.25		KITCHEN	3,060	1.00				
TOTAL PHASE C - VA		15,659			RECEPTACLES	12,440	1.0/0.5		EXISTING	1,000	1.00				
AMPS		130			MOTORS	500	1.00		LRC MOTOR		1.25		TOTAL DEMAND		
TOTAL PHASE D - VA		45,671			SUPP HEAT	2,000	1.00		SHK DRWING		1.25		44,994 VA		
AMPS		126			MISC EQUIP	2,000	1.00		LTG TRACK		1.00		125 A		
PANELBOARD NOTES															

PANELBOARD: S (RELOCATED)

BUS AMPS: 100A

MAIN SIZE/TYPE: MLO

VOLTAGE/PHASE: 208Y/120V, 3PH, 4W

SECTION: 1

FED FROM:

AIC RATING:

SERVES: WAS/OFFICES

MOUNTING: RECESSED

LOCATION: STORAGE

MDP1

EQUIPMENT GROUND BUS

CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO	BKR AMP	F	P	BKR AMP	WIRE NO	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.
		A	B	C							A	B	C		
N 1	VAV 10-1		750		12	20	2	1	20	12	500			HUMIDOR SHELFR LTG	2
N 3			750					1	20	12		1,200		W/S BEEF SIGN	4
N 5	VAV 10-2			1,750	12	20	2	1	20	12			160	LTG - BAR RECESSED	6
N 7		1,750						1	20	12	216			LTG - OVERHEAD RECESSED	8
N 9	VAV 10-3		1,000		12	20	2	1	20	12		500		LTG - BACK BAR DISPLAY	10
N 11				1,000	12	20	2	1	20	12			180	LTG - BAR FLOODS	12
N 13	VAV 10-4	1,500			12	20	2				5,356				14
N 15			1,500				3	50	6			5,356		RTU-10 (OFFICES)	16
N 17	VAV 10-5			750	12	20	2					5,356		LTG - BAR TRELIS	18
N 19		750						1	20	12	200			W/S VESTIBULE ECH	20
R 21	DINING COFFEE MAKER		1,800		10	30	2	2	30	10		2,000			22
R 23				1,800									2,000		24
N 25	DINING CONV RCPT3 S		900		12	20	1	1	20	12	540			BAR TVS 2	26
N 27	DINING TVS			360	12	20	1	1	20	12		780		BACK BAR COOLER	28
N 29	BAR TVS 1			360	12	20	1	1	20	12			780	BACK BAR COOLER 2	30
SUBTOTAL		5,650	5,410	5,660							6,812	9,836	8,476	SUBTOTAL	
TOTAL PHASE A - VA		12,462			LOAD		CONN. VA		DF	LOAD		CONN. VA		DF	
AMPS		104			COOLING		15,668		1.00	REFRIG		1,100			
TOTAL PHASE B - VA		15,246			HEATING		11,500		0.0	SIGN/DISP		1,200		1.25	
AMPS		127			LIGHTING		2,156		1.25	KITCHEN		5,160		1.00	
TOTAL PHASE C - VA		14,136			RECEPTACLES		1,760		1.0/0.5	EXISTING		1,000		0.90	
AMPS		118			MISC EQUIP		1,000		1.00	LNG MOTOR		1,250			
TOTAL PNLBD - VA		41,844			SUPP HEAT		4,000		1.00	SHOW WNDW		1,250			TOTAL DEMAND
AMPS		116			MISC EQUIP				1.00	LTG TRAC		1,000			30,567 VA
															85 A

PANELBOARD NOTES

SIGN/DISPLAY - SIGNAGE & DISPLAY CAS

PANELBOARD: V (EXISTING)				FED FROM:				MDP1				EQUIPMENT GROUND BUS			
BUS AMPS: 225A				A/C RATING:				CONTRACTOR TO VERIFY AND NOTIFY EOR							
MAIN SIZE/TYPE: MLO				SERVES: BAKERY											
VOLT/SPH: 208Y/120V, 3PH, 4W				MOUNTING: RECESSED											
SECTION: 1				LOCATION: DRY STORAGE											
CCT NO.	DESCRIPTION	VOLT/AMPS/PHASE			WIRE NO.	BKR AMP	P	F	BKR AMP	WIRE NO.	VOLT/AMPS/PHASE			DESCRIPTION	CCT NO.
		A	B	C							A	B	C		
X	1 DELI PREP DISPOSAL	500			EX	20	1	1	20	EX	1,000			JET	2
X	3 RANGE ROPT	500			EX	20	1	1	20	EX	1,800			CAPUCCINO MACHINE	4
X	5 RANGE ROPT		500		EX	20	1	1	20	EX		1,500		TEA	6
X	7 TURBO OVEN	2,496			EX	30	2	2	20	EX	1,000			EXISTING LOAD	8
9			2,496					2	20	EX		1,664		DELI/TOASTER	10
X	11 EXISTING LOAD			500	EX	20	1					1,664			12
13		456					1	20	12	804				KITCHEN REF. TABLE COOKLINE	14
N	15 KEF-3		456		12	20	3	7	20	EX		500		EXISTING LOAD	16
17				456			7	20	EX			500		RCPIT IF BACK PRODUCE	18
X	19 DELI GAS FRYER	1,200			EX	20	1	2	20	EX	1,664			EXISTING LOAD	20
21			4,804								1,664				22
X	23 DELI FRYER			4,804	EX	50	3	7	20	EX		500		EXISTING LOAD	24
25		4,804								2,882					26
X	27 DELI COFFEE MAKER		2,496		EX	30	1	3	30	EX		2,882		EXISTING LOAD	28
29				2,496							2,882				30
31		4,804					7	20	EX	500				EXISTING LOAD	32
X	33 DELI FRYER		4,804		EX	50	3	7	20	EX		500		EXISTING LOAD	34
35				4,804			7	20	EX			500		EXISTING LOAD	36
X	37 SMOAKER	2,496			EX	30	2	1	20	10	720			8 HEAD SODA MACHINE 1	38
39			2,496				1	20	10	720				8 HEAD SODA MACHINE 2	40
41	EQUIPPED SPACE						1	1	20	10		1,800		SODA ICE MAKER 1	42
	SUBTOTAL	16,756	18,052	13,560						8,570	9,730	9,346		SUBTOTAL	
	TOTAL PHASE A - VA	25,326			LOAD		DF		LOAD		CONN VA	DF			
	AMPS	211					1.00					1.00			
	TOTAL PHASE B - VA	27,762			HEATING		1.25		SIGNDISP			1.25			
	AMPS	232			LIGHTING		1.25		KITCHEN	7,344		0.65			
	TOTAL PHASE C - VA	22,906			RECEPTACLES	1,065	1.05		EXISTING	67,302		1.00			
	AMPS	191			MOTORS	1,368	1.00					1.25		TOTAL DEMAND	
					SUPP HEAT		1.00		SHOW WNDW			1.25			
	TOTAL PNLB-B - VA	73,614			MISC EQUIP		1.00		LTG TRAIL			1.00			204.4A

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD
HY-VEE, INC.
5520 WESTOWN PARKWAY
WEST DES MOINES, IOWA, 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935
HyVee[®]
EMPLOYEE OWNED

ELECTRICAL PANEL SCHEDULES

PROJECT MANAGER SL	CHECKED BY: HEI
DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547
SHEET:	

E1.2

PANELBOARD LEGEND		V.100
ABBREVIATIONS		
AF	ARC-FAULT CIRCUIT INTERRUPTER	LCK HANDLE PAD, LOCKABLE-OFF DEVICE.
CF	CIRCUIT VIA LIGHTING CONTACTOR #.	LO HANDLE-ON CLAMP
C	CIRCUIT VIA CURRENT LIMITING DEVICE.	N PROVIDE NEW CIRCUIT BREAKER.
D	DISCONNECT CIRCUITRY FOR REMOVED LOAD, UPDATE CIRCUIT DIRECTORY TO	OL REFER TO ELECTRICAL ONE-LINE/RISER DIAGRAM.
EM	SPARE AND TURN OFF.	PS POWER-SWITCHING CIRCUIT BREAKER.
E	EMERGENCY LIGHTING HANDLE-ON CLAMP.	PSE EMERGENCY POWER-SWITCHING CIRCUIT BREAKER.
EX	EXISTING	R REUSE EXISTING CIRCUIT BREAKER FOR NEW/REVISED LOAD.
F	FUTURE LOAD, NOTE AS SPARE AND TURN OFF.	RP CIRCUIT VIA RELAY PANEL.
FA	REDHANDLE-ON CLAMP.	ST SHUNT TRIP CIRCUIT BREAKER.
GF	GROUND-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER (5 mA).	V VERIFY EXISTING LOAD AND UPDATE DIRECTORY, IF UNUSED, NOTE AS SPARE
GFEP	GROUND FAULT EQUIPMENT PROTECTION BREAKER (30 mA).	VD AND TURN OFF.
IG	PROVIDE HANDLE-ON FOR MULTIWIRE BRANCH CIRCUIT PER CODE.	VN BRANCH CIRCUITRY HAS BEEN UPSIZED TO REDUCE VOLTAGE DROP. ADJUST
IG	ISOLATED GROUND CIRCUIT.	W GROUND WIRE SIZE PER CODE. PROVIDE LUG ADAPTORS IF REQUIRED.
LG	LIGHTING CONTROL SCHEME NUMBER.	Z CORRECT/REPAIR EXISTING HAZARD TO MAKE CODE COMPLIANT INSTALLATION.

NOT ALL ABBREVIATIONS ARE USED.

PANELBOARD: VV (EXISTING)										FED FROM: MDP1		LINE-SIDE LUGS: MECHANICAL		
BUS AMPS: 225A										AIC RATING:		CONTRACTOR TO VERIFY AND NOTIFY EOR		
MAIN SIZE/TYPE: MLO										SERVES: BACK OFF HOUSE		EQUIPMENT GROUND BUS		
VOLTS/PHASE: 208Y120V, 3PH, 4W										MOUNTING: RECESSSED				
SECTION: 1										LOCATION: DRY STORAGE				
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.
		A	B	C						A	B	C		
1	BACKROOM LIGHTS	1,200			EX	20	1	1	20	EX	1,000		UNIT HEATERS	2
3	BACKROOM LIGHTS		1,200		EX	20	1	1	20	12	360		DSO ROOM RCPTS	4
5	BACKROOM LIGHTS			1,200	EX	20	1	1	20	12		252	CS-1	6
7	BACKROOM LIGHTS	1,200			EX	20	1	1	20	EX	1,200		POP STORAGE LTG	8
9	DOCK RCPT		500		EX	20	1	1	20	EX		1,200	POP STORAGE LTG	10
11	EQUIPPED SPACE						1	1	20	EX		500	DSO ROOM AC	12
13		1,921					1	1	20	EX	500		EXISTING LOAD	14
15	EAST DOCK LEVELER		1,921		EX	20	3	1	20	EX	1,000		FLOOR MACHINE RCPT	16
17			1,921						1	20	12	1,000	EMP. LOUNGE MICROWAVE	18
19		1,921							1	20			SPARE	20
21	WEST DOCK LEVELER		1,921		EX	20	3	1	20	12	500		TF-1	22
23				1,921					1	20	12	500	TF-2	24
25		4,804							1	20	EX	1,000	BAKERY OVEN & AROMA FAN	26
27	SOUTH COMPACTOR		4,804		EX	50	3					456		28
29				4,804					3	20	12		KEF-8	30
31	RCPTS SOUTH ENTRY	500			EX	20	1				456			32
33	RCPTS SOUTH ENTRY		500		EX	20	1	1	20	12	500		H-8 HOOD CONTROL	34
35	RCPTS SOUTH ENTRY			500	EX	20	1	1	20	12		270	HIBACHI COLD BAR	36
37	RCPTS SOUTH ENTRY	500			EX	20	1	1	20	12	500		H-2 HOOD CONTROL	38
39	RCPTS SOUTH ENTRY		500		EX	20	1	1	20	12		180	CHECKOUT PRINTER	40
41	RCPT ALARM BACK ROOM			500	EX	20	1	1	20	EX		1,000	RCPT BACK DOOR/COKE MACH.	42
SUBTOTAL		12,046	11,346	10,846						4,656	4,196	3,978	SUBTOTAL	
TOTAL PHASE A - VA		16,702			LOAD				CONN. VA	DF			LOAD	
AMPS		139			COOLING					1.00			REFRIG	1.00
TOTAL PHASE B - VA		15,542			HEATING					1.25			SIGN/DRSP	1.25
AMPS		130			LIGHTING					1.00			KITCHEN	1,270 1.00
TOTAL PHASE C - VA		14,824			RECEPTACLES	540	10/5	EXISTING			42,638	1.00		
AMPS		124			MOTORS	1,620	1.00	LRG MOTOR			1.25		TOTAL DEMAND	
TOTAL PNLBD - VA		47,068			SUPP HEAT	1.00		SHOW WNDW			1.25			47,068 VA
AMPS		131			MISC EQUIP	1,000	1.00	LTG TRACK			1.00			131 A
PANELBOARD NOTES														

PANELBOARD: W (EXISTING)										FED FROM:		MDP1		EQUIPMENT GROUND BUS	
BUS AMPS: 225A										AIC RATING:		CONTRACTOR TO VERIFY AND NOTIFY EOR			
MAIN SIZE/TYPE: MLO										SERVES: DELI					
VOLTS/PHASE: 208Y120V, 3PH, 4W										MOUNTING: RECESSED					
SECTION: 1										LOCATION: DRY STORAGE					
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.	
		A	B	C						A	B	C			
1		1,741							1	20	EX	500	RTU #3 SMOKE DETECTOR	2	
3	MAU-1 CONDENSER 1		1,741		12	20	3	1	20	EX		500	BAGIN BOX	4	
5				1,741					1	20	EX		500	EXISTING LOAD	6
7		2,570							1	20	EX	500	EXISTING LOAD	8	
9	MAU-1 CONDENSER 2		2,570		10	30	3					793	EXISTING LOAD	10	
11			2,570					3	20	12			793	KEF-2	12
13		733										793			14
15	KEF-1A		733		12	20	3	1					500	EQUIPPED SPACE	16
17				733					1	20	EX		500	CHINESE FRYER, PRINTER	18
19		456							1	20	12	500		ASIAN/HIBACHI TV MENUS	20
21	KEF-1B		456		12	20	3	1	1	20	12		500	HICKORY/REGISTERS TV MENUS	22
23				456					1	20	12		1,600	PIZZA REF TABLE	24
25		6,725							1	20	EX	500		PIZZA HOT LAMPS	26
27	RTU-3 (DINING)		6,725		EX	70	3	1	1	20	12	1,120		KITCHEN REACH IN FREEZER	28
29				6,725					1	20	12		360	PIZZA TVS	30
31	EQUIPPED SPACE								1	1	20	12	480	PIZZA OVEN VIA HCP	32
33	ROOF TOP #3 GFI		500		EX	20	1	1	1	20	12		1,150	PIZZA DOUGH PRESS	34
35	EQUIPPED SPACE								1	1	20	12	500	PIZZA SCALE AND LOWERATOR	36
37		7,686							1	20	12	756		PIZZA - EF-4	38
39	EXISTING LOAD		7,686		EX	80	3	1	1	20	12		500	HOOD H-4 CONTROL	40
41				7,686					1	20	EX	500		PIZZA COLUMN RCPT	42
SUBTOTAL		19,911	20,411	19,911							4,029	4,563	4,753	SUBTOTAL	
TOTAL PHASE A - VA		23,940	LOAD		CONN. VA		DF	LOAD		CONN. VA		DF			
AMPS		200	COOLING				1.00	REFRIG				1.00			
TOTAL PHASE B - VA		24,974	HEATING				1.25	SIGN/DRSP				1.00			
AMPS		208	LIGHTING				1.00	KITCHEN		4,850		0.70			
TOTAL PHASE C - VA		24,684	RECEPTACLES		1,860		10/5	EXISTING		47,233		1.00			
AMPS		206	MOTORS		19,635		1.00	LRG MOTOR				1.25			
TOTAL PNLBD - VA		73,578	SUPP HEAT				1.00	SHOW WNDW				1.25			
AMPS		204	MSC EQUIP				1.00	LTG TRACK				1.00			
PANELBOARD NOTES															


PANELBOARD: X (EXISTING)												FED FROM: MDP1		EQUIPMENT GROUND BUS	
BUS AMPS: 225A												AIC RATING: 10000 FULLY RATED			
MAIN SIZE/TYPE: MLO												SERVES: KITCHEN			
VOLTS/PHASE: 208Y120V, 3PH, 4W												MOUNTINGS: RECESSIED			
SECTION: 1												LOCATION DRY STORAGE			
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.	
		A	B	C						A	B	C			
1	CHINESE PRINTERS	360			12	20	1			4,323			BAKERY PROOFER	2	
3	CHINESE RICE WARMER/LOW.		500		12	20	1	3	50	6		4,323		4	
5	CHINESE REF. TABLE			1,080	12	20	1					4,323		6	
7		2,954			1	20	12			500			BAKERY PROOFER CONTROL	8	
9	DELI DISHWASHER		2,954		10	30	3	1	20	12		360	BAKERY FLOOR BOXES	10	
11										2	20	EX	BACK RM ICE MACHINE	12	
13	PANINI PRESS	1,664			EX	20	2			1,664				14	
15		1,664						1	20				SPARE	16	
17	KITCHEN OIL SYSTEM			1,320	12	20	1	1	20				SPARE	18	
19	EXISTING LOAD		500		EX	20	1	1	30	EX	500		EXISTING LOAD	20	
21	EXISTING LOAD			500	EX	20	1	2	20	EX		1,664	EXISTING LOAD	22	
23	EXISTING LOAD				EX	20	1					1,664		24	
25	EXISTING LOAD		500		EX	20	1				5,440			26	
27	PRODUCE BUG LIGHT			500	EX	20	1	3	60	6		5,440	MAU-1 FANS	28	
29	WINE TASTING RCPT			500	EX	20	1				5,440			30	
31	WINE TASTING RCPT		500		EX	20	1	1	20	EX	500		CLG RCPT FRUIT & JUICE RCPT	32	
33	BAKERY WRAPPER		500		12	20	1	1	20	12		1,375	CHINESE HEAT LAMPS 1	34	
35	BAKERY SCALES 2			360	12	20	1	1	20	12		1,375	CHINESE HEAT LAMPS 2	36	
37	BAKERY DISPLAY CASE		500		EX	20	1				9,607			38	
39	TV RCPT			500	EX	20	1	3	100	EX		9,607	BAKERY PAN WASH	40	
41	TV RCPT				EX	20	1				9,607			42	
SUBTOTAL		6,978	7,118	7,214						22,534	22,769	24,073	SUBTOTAL	42	
TOTAL PHASE A - VA		29,512			LOAD				CONN. VA	DF			LOAD		
AMPS		246			COOLING					1.00			REFRIG		
TOTAL PHASE B - VA		29,887			HEATING					1.25			SIGN/DRSP		
AMPS		249			LIGHTING					2,750	1.25		15,049	0.80	
TOTAL PHASE C - VA		31,287			RECEPTACLES					1,080	1.0	0.5	EXISTING		
AMPS		281			MOTORS					25,162	1.00		LRS MOTOR	44,805	0.80
TOTAL PNLB-D - VA		90,686			SUPP HEAT					1.00			SHOW WNDW	1.25	
AMPS		252			MISC EQUIP					1,820	1.00		LTG TRACK	1.25	
PANELBOARD NOTES															

REFER TO 'EQUIPMENT
INSTALLATION AND SERVICE
CONNECTIONS' SCHEDULE ON
DRAWING E0.1 FOR EQUIPMENT
TO BE INSTALLED BY THE
ELECTRICAL CONTRACTOR. (EC)

REVISION		DATE BY

HENDERSON
ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
1950003081
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2020



PROFESSIONAL SEAL



DEAN W. CHANDLER
LICENSE # PE-2017036652

Oct 23 2020

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD
KAYE, MO
5820 WESTOVIN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 287-2800
FAX: (515) 287-2835
Hy-Vee®
EMPLOYEE OWNED

NORTH PLAN NORTH

ELECTRICAL PLAN - PART A

PROJECT MANAGER SL	CHECKED BY: HEI
DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547

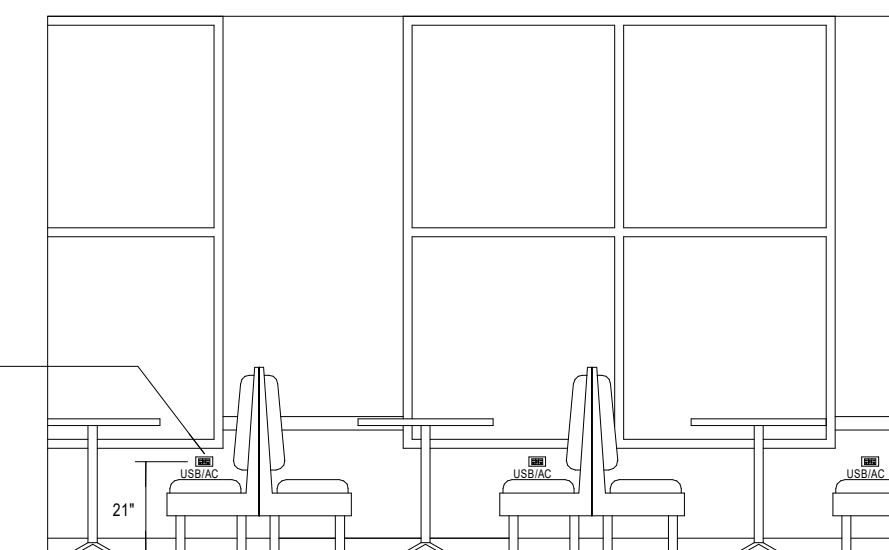
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DATE
BY

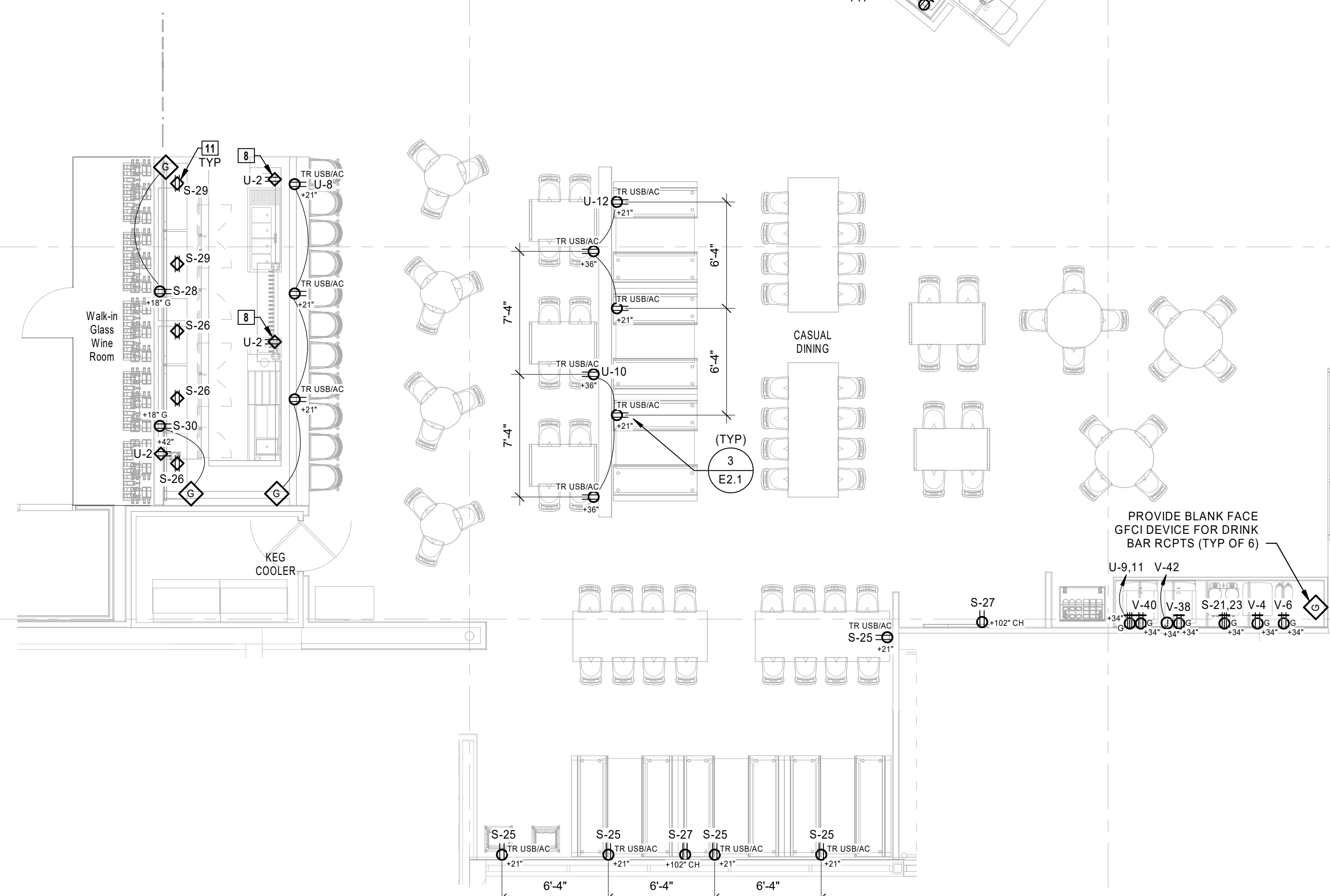
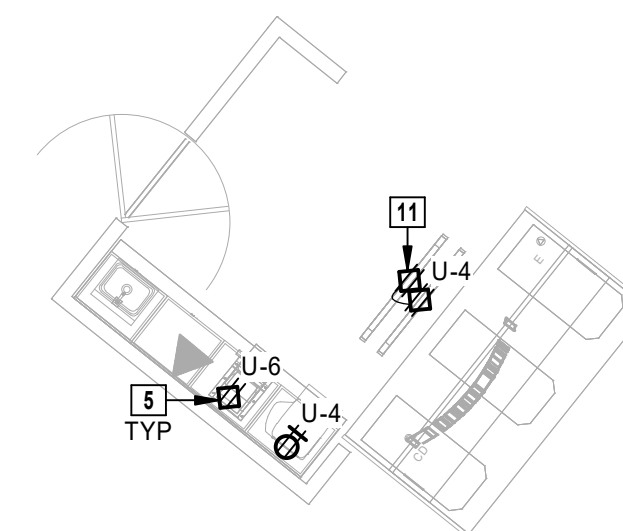
☐ ELECTRICAL PLAN NOTES

- 1 EXISTING KITCHEN EQUIPMENT TO REMAIN.
- 2 RELOCATED KITCHEN EQUIPMENT.
- 3 CONTRACTOR TO RELOCATE EQUIPMENT POWER DEVICES.
- 4 REVERSE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT.
- 5 COORDINATE EXACT CONNECTIONS WITH TENANT AND OTHER TRADES.
- 6 EXISTING DEVICES AND RELATED CIRCUITRY MAY BE LOCATED IN GOOD CONDITION, OTHERWISE REPLACE.
- 7 REFER TO SHEET #4.4 (SHEET BY OTHERS) FOR ELECTRICAL SYSTEMS SCOPES OF WORK.
- 8 ROUTE CONDUITS:
- 9 CONCEALED/UNDERSLAB TO NEAREST FULL HEIGHT WALL FOR CONTINUATION.
- 10 COORDINATE STUDTUBES/CONDUITS WITH OWNER AND OTHER TRADES PRIOR TO INSTALLATION.
- 11 REFER TO REF. 1.1 ELECTRICAL STUBUP PLAN FOR MORE INFORMATION.
- 12 PROVIDE JUNCTION BOX WITH 1' CONDUIT UP TO ABOVE ACCESSIBLE CEILING SPACE FOR ELECTRICAL SYSTEM.
- 13 COORDINATE WITH OTHER TRADES FOR RELATED WIRING. COORDINATE EXACT REQUIREMENTS WITH H-V-EE AND SYSTEM OWNER PRIOR TO REQUEST.
- 14 KITCHEN EXHAUST HOOD CONTROL PANEL. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITH MECHANICAL SET FOR MORE INFORMATION.
- 15 INSTALL RECEPTACLE(S) AND DATA BOX(ES) IN AN ACCESSIBLE LOCATION UNDER COUNTERS IN MILLWORK WITH ACCESS SUCH THAT DRAWERS AND DIVIDERS DO NOT BLOCK ACCESS TO RECEPTACLE LOCATION WITH OWNER AN OTHER TRADES PRIOR TO ROUGH-IN.
- 16 PROVIDE CONTACTOR ABOVE CEILING IN ACCESSIBLE LOCATION WITH A MINIMUM SIZE OF ASSOCIATED BREAKER FEEDING LOAD IN NEMA 1 ENCLOSURE. INTERLOCK WITH HOOD STARTER TO PREVENT THE HOOD TO ACT AS SHUNT TRIP MEANS. GFCI PROTECTION FOR DOWNSTREAM CONTACTOR TO PROVIDE PROTECTION REQUIRED (GFCI) PROTECTION.
- 17 PROVIDE CIRCUITS FROM HOOD CONTROL PANEL TO KITCHEN EQUIPMENT AS INDICATED. REFER TO SHEET #2.3 FOR EQUIPMENT LOCATION. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITH MECHANICAL SET FOR TERMINATIONS IN HOOD CONTROL PANEL.
- 18 REFER TO ELECTRONIC MENU BOARD SCHEDULE ON THIS SHEET FOR MORE INFORMATION.
- 19 PROVIDE HMI CONNECTION VIA DUAL GANG BOX AS INDICATED. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITH MECHANICAL SET FOR TERMINATIONS IN HOOD CONTROL PANEL.
- 20 FOR EXISTING HOOD PROVIDE NEW HMI CONNECTION VIA DUAL GANG BOX AS INDICATED. REFER TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS WITH MECHANICAL SET FOR TERMINATIONS IN HOOD CONTROL PANEL.

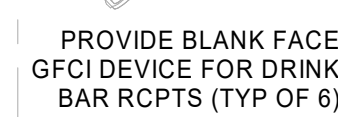
ELECTRONIC MENU MONITOR BOARD SCHEDULE			
LOCATION	AMOUNT AND SIZE	HEIGHT	MOUNTING
SUSHI	(2) 49" MONITORS	B/O MONITOR +6"-8"	POLE
MARKET GRILLE EXPRESS	(3) 49" MONITORS	B/O MONITOR +6"-8"	POLE
HICKORY HOUSE	(4) 49" MONITORS	B/O MONITOR +6"-8"	POLE
HIBACHI	(2) 49" MONITORS	B/O MONITOR +6"-8"	POLE
ASIAN	(2) 49" MONITORS	B/O MONITOR +6"-8"	POLE
PIZZA	(2) 49" MONITORS	B/O MONITOR +6"-8"	POLE
BAKERY CAKE	(1) 65" MONITOR	B/O MONITOR +5"-8"	WALL - BOX +8'-0"
BAKERY BREAD	(2) 55" MONITORS	B/O MONITOR +6"-8"	WALL - BOX +6'-8"
MEAT	(1) 32" MONITOR	B/O MONITOR +5"-8"	WALL - BOX +6'-8"
SEAFOOD	(1) 65" MONITOR	B/O MONITOR +6"-8"	WALL - BOX +9'-0"
SEASONS	(1) 55" MONITOR	MONITOR ON KIOSK	WALL - BOX +18"
DIETITIAN	(1) 49" MONITOR	B/O MONITOR +4'-3"	WALL - BOX +5'-3"
GREETING CARDS	(1) 49" MONITOR	VARIES	WALL
BASIN	(1) 65" MONITOR	B/O MONITOR +5'-2"	WALL - BOX +7'-6"
CUSTOMER SERVICE	(2) 65" MONITORS	B/O MONITOR +4'-7"	WALL - BOX +6'-4"
APPAREL	(1) 85" MONITOR	B/O MONITOR +9'-2"	WALL - BOX +9'-2"



③ ELECTRICAL DEVICES AT DINING
3/32" = 1'-0"



② PARTIAL ELECTRICAL POWER PLAN
SUSHI/MARKET GRILLE EXPRESS
3/16" = 1'-0"

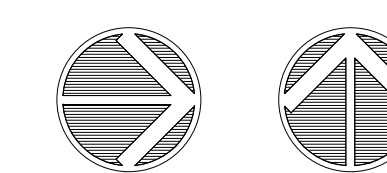


PROVIDE BLANK FACE
GFCI DEVICE FOR DRINK
BAR RCPTS (TYP OF 6)



DEAN W. CHANDLER
LICENSE # PE-2017036652

LOCATION
LEE'S SUMMIT, MO #2
310 SW WARD RD



NORTH PLAN NO

ELECTRICAL PART
PLANS

PROJECT MANAGER SL	CHECKED BY: HEI
DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547

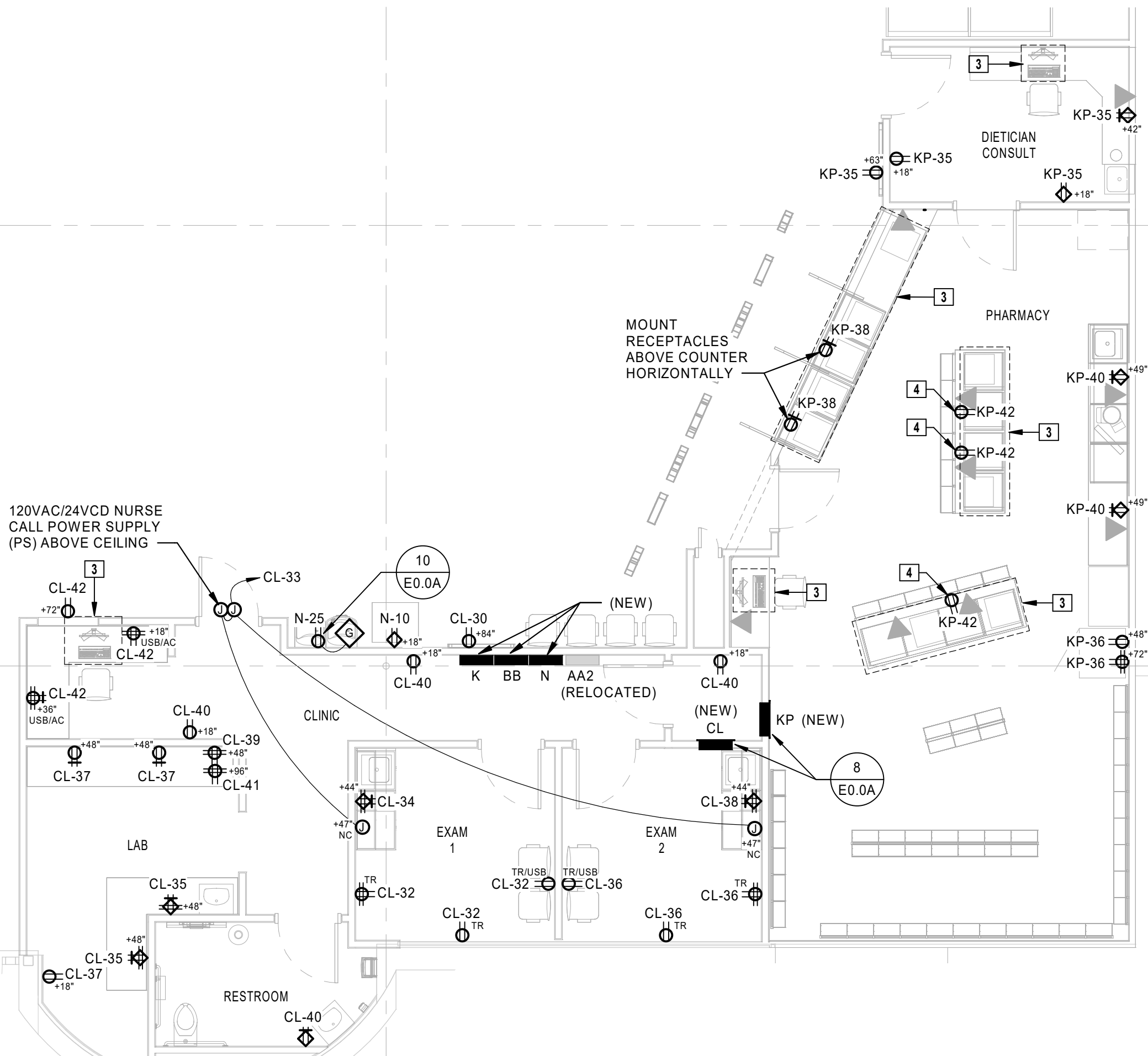
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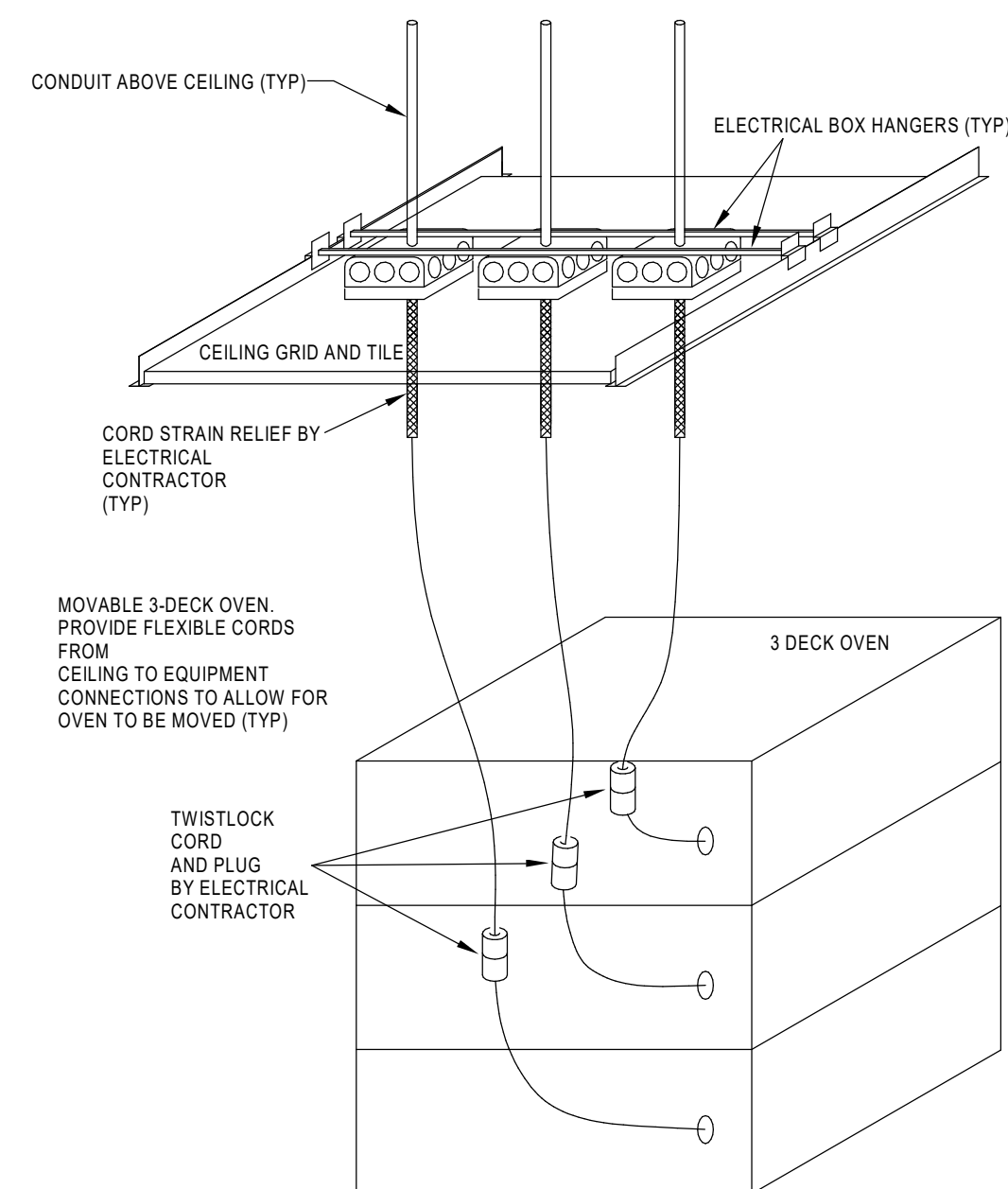
LOCATION	AMOUNT AND SIZE	HEIGHT	MOUNTING
SUSHI	(2) 49" MONITORS	B/O MONITOR +6"-8"	POLE
MARKET GRILLY EXPRESS	(3) 49" MONITORS	B/O MONITOR +6"-8"	POLE
HICKORY HOUSE	(4) 49" MONITORS	B/O MONITOR +6"-8"	POLE
HIBACHI	(2) 49" MONITORS	B/O MONITOR +6"-8"	POLE
ASIAN	(2) 49" MONITORS	B/O MONITOR +6"-8"	POLE
PIZZA MIA	(2) 49" MONITORS	B/O MONITOR +6"-8"	POLE
BAKERY CAFE	(1) 65" MONITOR	B/O MONITOR +5'-8"	WALL - BOX +8'-0"
BAKERY BREAD	(2) 55" MONITORS	B/O MONITOR +6'-8"	WALL - BOX +8'-8"
SEAT	(1) 82" MONITOR	B/O MONITOR +5'-8"	WALL - BOX +6'-8"
SEAFOOD	(1) 65" MONITOR	B/O MONITOR +6'-8"	WALL - BOX +9'-0"
SEASONS	(1) 55" MONITOR	MONITOR ON KIOSK	WALL - BOX +18"
DIETITIAN	(1) 49" MONITOR	B/O MONITOR +4'-3"	WALL - BOX +5'-3"
GREETING CARDS	(1) 49" MONITOR	VARIABLE	WALL
BASIN	(1) 65" MONITOR	B/O MONITOR +5'-2"	WALL - BOX +7'-8"
CUSTOMER SERVICE	(2) 65" MONITORS	B/O MONITOR +4'-7"	WALL - BOX +6'-4"
APPAREL	(1) 82" MONITOR	B/O MONITOR +6'-2"	WALL - BOX +9'-2"

☐ **ELECTRICAL PLAN NOTES**

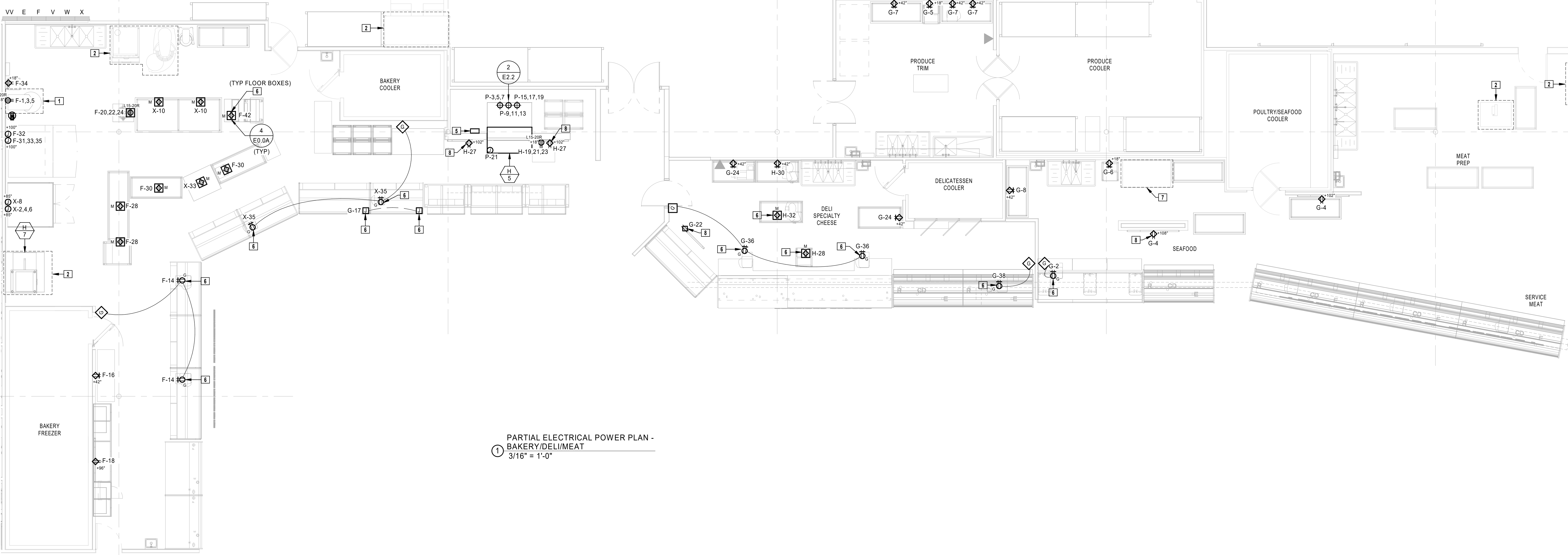
- REVISE AND EXTEND CIRCUITRY FOR
RELOCATED/REPLACED EQUIPMENT. COORDINATE
CONTRACTOR TO RELOCATE/REPLACE ALL
OTHER TRADES. EXISTING DEVICES AND RELATED
CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION,
OTHERWISE REPLACE.
- EXISTING KITCHEN EQUIPMENT TO REMAIN.
- REFER TO SHEET EA.4 (SHEET BY OTHERS) FOR
POWER & SYSTEMS SCOPE OF WORK.
- RELOCATE ALL ELECTRICAL PANEL(S) IN AN
ACCESSIBLE LOCATION UNDER COUNTER IN
MILLWORK; LOCATE SUCH THAT DRAWERS AND
CABINETS DO NOT BECOME OBSTACLES. COORDINATE
LOCATION WITH OWNER AN DRAFTERS PRIOR TO
BIDDING.
- KITCHEN CLOSET HANGING CONTROL PANEL. REFER
TO KITCHEN ELECTRICAL PLANS AND HOOD PLANS
WITHIN MECHANICAL SET FOR MORE INFORMATION.
- RELOCATE SOUNDTREATMENT CABINETS TO
NEAREST FULL HEIGHT WALL FOR CONTINUATION.
COORDINATE STUB-UP LOCATION WITH OWNER AND
DRAFTERS PRIOR TO BIDDING. REFER TO
PE1.1 ELECTRICAL STUBUP PLAN FOR MORE
INFORMATION.
- RELOCATE KITCHEN EQUIPMENT. CONTRACTOR
TO RELOCATE EQUIPMENT POWER DEVICES.
- REFER TO ELECTRONIC MENU MONITOR BOARD
LOCATION ON THIS SHEET FOR MORE
INFORMATION.



③ PARTIAL ELECTRICAL POWER PLAN -
PHARMACY
3/16" = 1'-0"



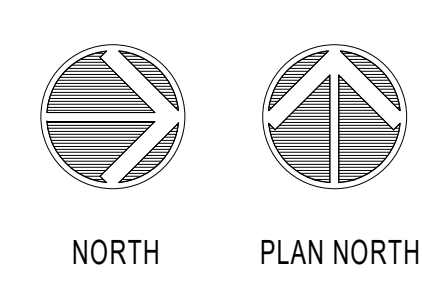
② 3 DECK OVEN ELECTRICAL DETAIL
NTS



① PARTIAL ELECTRICAL POWER PLAN -
BAKERY/DELI/MEAT
3/16" = 1'-0"



LOCATION
LEE'S SUMMIT, MO #2
310 S W ARD RD
HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935
EMPLOYEE OWNED



ELECTRICAL PART PLANS

PROJECT MANAGER SL	CHECKED BY: HEI
DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547

E2.2



- | REVISION | DATE BY |
|----------|---------|
| | |

LOCATION
LEE'S SUMMIT, MO #2
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HY-VEE, INC.
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FAX: (515) 287-2935
HyVee[®]
EMPLOYEE OWNED

ROOF
ELECTRICAL PLAN
- PART A

SHEET:

E2.9A



- | REVISION | | DATE BY |
|----------|--|---------|
| | | |

LOCATION
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Hy-Lee[®]
EMPLOYEE OWNED

ROOF
ELECTRICAL PLAN
- PART B

SHEET:

E2.9B



- 1 REPLACE EXISTING LAMP(S) IN THIS AREA WITH LUMEN OUTPUT WITH INTEGRATED DRIVER OR SIMILAR LUMEN OUTPUT LED
2 REPLACE EXISTING SMALL CANS (E.G. 100 WATT INCANDESCENT (E26), SOCKETS AND CONTROLS) PROVIDE LED REPLACEMENT BY GE, PHILIPS OR OTHER MANUFACTURER. LIST MANUFACTURER, MODEL, SUBMITTAL OF PROPOSED LED REPLACEMENT TO ENGINEER AND OWNER FOR REVIEW PRIOR TO ORDER. REPAIR OR REPLACE ANY DAMAGED SOCKETS OR BALLASTS FIRST TO INSURE PROPER OPERATION. FINAL INSTALLATION SHALL MEET ALL CODE REQUIRED LIGHT LEVEL REQUIREMENTS AND SHALL FUNCTION PROPERLY WITH EXISTING CONTROLS.
- 3 CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUIT AND CONTROLS. MAINTAIN CONNECTION TO EXISTING NORMAL LIGHTING AND EXISTING LIGHTING CONTROL CIRCUITRY. IF NO EXISTING LIGHTING RACEWAY, CIRCUITRY AND RELATED APPURTENANCES MAY BE REUSED IF IN GOOD CONDITION AND NEW DESIGN CRITERIA CAN BE MET, OTHERWISE, REPLACE.
- 4 EXISTING ROOM/SPACE TO REMAIN. COORDINATE REMODEL WORK WITH CONSTRUCTION PHASE AND OVERALL PLAN FOR REMODEL OF STORE.
- 5 VERIFY LOCATION OF LED LIGHTING CONTROLLER (MAGNETIC DIMMABLE DRIVER), LOCATED CONTROL IN ACCESSIBLE LOCATION. ROUTE LOW VOLTAGE CABLE IN WALL SPACE TO LED LIGHTING BEHIND ACCELY DISPLAY.
- 6 MARKET SWITCH/BANK, COORDINATE FINAL LOCATION WITH HY-VEE TO ROOM FOR SIGNAGE.
- 7 TRUCK LIGHTING TO BE CONTROLLED VIA EXISTING LIGHTING CONTROL PANEL.
- 8 LOCATE TRANSFORMER IN ACCESSIBLE LOCATION ABOVE CEILING ELEMENT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH HY-VEE PRIOR TO ROUGH-IN.
- 9 LOCATE EXISTING BOX FOR BEER COOLER SIGNAGE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH HY-VEE PRIOR TO ROUGH-IN.
- 10 RELocate LED LIGHT FIXTURES TO REMAIN AND REUSE EXISTING RELATED CIRCUITRY.

E3.0A



- 1 REPLACE EXISTING LAMP(S) IN THIS AREA WITH LED REPLACEMENT WITH INTEGRATED DRIVER OR SIMILAR LOW VOLTAGE LED LAMP. EXISTING WIRING SHALL BE REEVALUATED WITH CONSULTING ELECTRICAL ENGINEER (CSEE) SOCKETS AND CONTROLS. PROVIDE LED REPLACEMENT BY GE, PHILLIPS, OR OTHER APPROVED NRTL LISTED PRODUCT. PROVIDE PROTECTION OF PROPERTY AND ADJACENT AREAS. THE OWNER FOR REVIEW PRIOR TO ORDER, REPAIR OR REPLACE ANY OF THE ABOVE SOCKETS AND CONTROLS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING LIGHTING. FINAL INSTALLATION SHALL MEET ALL CODE REQUIRED LIGHT LEVEL REQUIREMENTS AND SHALL FUNCTION PROPERLY WITH EXISTING CIRCUITRY.
2. CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUIT AND CONTROLS. MAINTAIN CONNECTION TO EXISTING NORMAL LIGHTING CIRCUITRY. EMERGENCY LIGHTING SHALL BE MAINTAINED IN EXISTING RACEWAY, CIRCUITRY AND RELATED APPURTENANCES MAY BE REUSED IF IN GOOD CONDITION AND NEW DESIGN CRITERIA CAN BE MET. OTHERWISE, REPLACE EXISTING CIRCUITRY.
- 3 TRACK LIGHTING TO BE CONTROLLED VIA EXISTING LIGHTING CONTROL PANEL.
- 4 RELOCATE LIGHT FIXTURE(S) AS SHOWN AND REWIRE AND EXTEND RELATED CIRCUITRY.

E3.0B

[illegible]

LIGHTING FIXTURE SCHEDULE								
SYMBOL	TYPE	EMC LABEL	MANUFACTURER/MODEL	WATTS	VA	VOLTAGE	LOCATION	NOTES
A8	8 SALES LIGHTING FIXTURE - LED	GSDBLED	GE LS-18-8-0-A2-D9-F4-V-Q-C-WRITE	101		120	SALES LIGHTING	LED FIXTURE
B8	8 SALES LIGHTING FIXTURE	GSDB	PHILIPS TKA232-UNV-120-27-ES0-B323UNVPH4000-P218-W-W-FA	146-27		120	SALES LIGHTING	OPEN CEILING E4HWK HANGERS. 789776001 TRA END CAPS
B4	4 SALES LIGHTING FIXTURE	GSDB4	PHILIPS TKA232-UNV-120-27-ES0-B323UNVPH4000-P214-W-W-FA	70-14		120	SALES LIGHTING	OPEN CEILING E4HWK HANGERS. 789776001 TRA END CAPS
C4	1/4 BACKROOM UTILITY FIXTURE	PG4	PHILIPS T232-120-1/2-ES-B323UNVPH-N	58	64	120	BACKROOMS	
D1	2/4 LED FIXTURE	LED	PHILIPS 2FGC438-840-4-D-UNV-DM	44	48	120	SEE PLAN	LED FIXTURE
	2/4 LED FIXTURE	LED ENT	PHILIPS 2FGC438-840-4-D-UNV-DM/MTA24	44	48	120	SEE PLAN	LED FIXTURE (entry cart storage)
F	2/4 LED FIXTURE	LED32 UN62	PHILIPS 2FGC388-840-2-D-UNV-DM	54	60	120	SEE PLAN	LED FIXTURE
D	2/4 LED FIXTURE - FLAT PANEL		PHILIPS 2 FXP 428 840 4 D UNV-DM	38	42	120	SEE PLAN	LED FIXTURE - BACK OF HOUR, AREAS NOT VISIBLE TO CUSTOMER
FC	LOW TEMP FREEZER/COOLER FIXTURE	HO	KINGSFAN LDX-VT 5-4-24	47	53	120	COOLERS / FREEZERS	LED FIXTURE SEE DRAWING E5.0
L	MIRROR LIGHT	RW	WAC LIGHTING WS-4734F-30-AL	22	24	120	RESTROOMS	ABOVE MIRROR
X	EXIT LIGHT	OB	MCHILBEN OB// VERVIEW	3.4	3.4	120	ALL AREAS	
RC	RECESSED CAN LIGHTING FIXTURE	LEDC	PHILIPS LRR2432UNV/ALVLR20840V/ALVRD	22	24	120	DEPARTMENTS	LED FIXTURE
RR	RESTROOM RECESSED CAN FIXTURE	RR	PHILIPS LRR2432UNV/ALVLR20840V/ALVRD	22	24	120	MOTHER'S ROOM/ RESTROOMS	LED FIXTURE
PH	PHARMACY RECESSED CAN FIXTURE	LEDC	PHILIPS L4R15AN2UNV/AL4R10640V/AL4R00	22	24	120	PHARMACY	LED FIXTURE
P2	PENDANT LIGHT FIXTURE AT MEAT CASES	P	DAYBRITE VP110C-848 C100-J804 COVER LUT03000-306-2200K-10V	6.5	10	120	MEAT DEPT	INSTALLED OVER CASES, E.C. TO PAINT COVER WITH GALVANIZED PAINT TO MATCH FIXTURE
P2	PENDANT LIGHT FIXTURE - DSW & JOE FRESH	TECH LIGHTING	POWELL STREET PENDANT TROUBLESHOOTING W/SP-W-LED300 LA11 TRACK CONNECTOR	150	160	120	DSW & JOE FRESH PRECUT	
	HEAT LAMPS (ABOVE ABIAN CASE)	HATCO	DL-300 (RADIAN RED)	250	275	120	ABIAN CASE	120 VOLT - MOUNT OVER SEE PLAN FOR TRACK LENGTHS
T1	BAKERY CASE WALL / SEAFOOD TRACK LIGHTING	LED	CONTECH CTL809N3M3-S LA10-S	21	23	120	SEAFOOD	LED SEE PLAN FOR TRACK LENGTHS
T2	DEPARTMENT HEADER TRACK LIGHTING	LED	CONTECH CTL809N3M3-S LA2-S (BLVR)	35	38	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
T3B	CANDY CARDS TRACK LIGHTING	LED	CONTECH CTL809N3M3-S LA10-S (STARTER)	21	23	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
T3W	CANDY CARDS TRACK LIGHTING	LED	CONTECH CTL809N3M3-W LA7-P (WHITE TRACK) LA10-W (STARTER)	21	23	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
T4	CANDY CARDS	LED	SPRINTON CUSTOM STEM FIXTURE CONTECH LA11 CONNECTOR	60	60	120	DEPARTMENT	LED

REFER TO ENERGY MANAGEMENT CONSULTANTS (EMC) DRAWINGS AND SCHEDULES FOR COMPLETE LIST OF LIGHTING REQUIREMENTS INCLUDING LAMP SPECIFICATIONS, BALLASTS, AND MISCELLANEOUS COMPONENTS

LIGHTING CONTROLS		(NOT ALL DEPARTMENTS LISTED MAY APPLY TO THIS PROJECT)
AREA	CONTROLS	
MAN SALES FLOOR	LIGHTING DIMMING PANEL	
WINE AND SPIRITS	LIGHTING DIMMING PANEL	
DINING AREAS AND BAR	DIMMER SWITCHES (SEE SPECIFIC SCHEDULE AND DIAGRAMS FOR DIMMING CONTROLS)	
KITCHEN	WATTSSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH 82-50 POWER PACK(S)	AL-100 AL-100 AL-100 AL-100
ADJACENT KITCHEN	WATTSSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH 82-50 POWER PACK(S)	AL-100 AL-100
BAKERY	WATTSSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH 82-50 POWER PACK(S) PROVIDE STYLE-LINE WALL SWITCH FOR CASE DECORATING TRACK LIGHTS	AL-100 AL-100
MEAT DEPT	WATTSSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH 82-50 POWER PACK(S) PROVIDE STYLE-LINE WALL SWITCH FOR BEACON TRACK LIGHTS	AL-100 AL-100
CHEESE ISLAND	WATTSSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH 82-50 POWER PACK(S)	AL-100 AL-100
PHARMACY	WATTSSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH 82-50 POWER PACK(S) FOR 2X LIGHTING. PROVIDE STYLE-LINE WALL SWITCH FOR RECESSED FIXTURES AT BULKHEAD OVER PHARMACY COUNTER	AL-100 AL-100
PHARMACY CONSULT. ROOM	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
DEPT HEADS OFFICE	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
ASSISTANT MANAGER OFFICE	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
EMPLOYEE LOUNGE	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
CASH ACCOUNTABILITY	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
PRODUCE PREPAC	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
SCAN ROOM OFFICE	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
ACCOUNTING OFFICE	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
COMMUNICATIONS CLOSET	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
WINE AND SPIRITS STORAGE	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
CLINIC/EXAM ROOMS	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
HOME COOKING ROOM	WATTSSTOPPER DT-300 OCCUPANCY SENSOR WITH 82-50 POWER PACK	AL-100 AL-100
HR OFFICE	WATTSSTOPPER PW-100 WALL SWITCH WITH INTEGRAL 82-50 POWER PACK	AL-100 AL-100
RECEPTION OFFICE	WATTSSTOPPER PW-100 WALL SWITCH WITH INTEGRAL 82-50 POWER PACK	AL-100 AL-100
DIRECTORS OFFICE	WATTSSTOPPER PW-100 WALL SWITCH WITH INTEGRAL 82-50 POWER PACK	AL-100 AL-100
ACCOUNTING STORAGE	WATTSSTOPPER PW-100 WALL SWITCH WITH INTEGRAL 82-50 POWER PACK	AL-100 AL-100
JANITOR'S CLOSET	WATTSSTOPPER PW-100 WALL SWITCH WITH INTEGRAL 82-50 POWER PACK	AL-100 AL-100
MOTHERS ROOM	WATTSSTOPPER PW-100 WALL SWITCH WITH INTEGRAL 82-50 POWER PACK	AL-100 AL-100
PHARMACY STORAGE	WATTSSTOPPER PW-100 WALL SWITCH WITH INTEGRAL 82-50 POWER PACK	AL-100 AL-100
BACK STORE/REORDER/DOCK (w/ SKYLIGHTS)	WATTSSTOPPER (S-100 OCCUPANCY SENSOR(S) WITH 82-50 POWER PACK(S)	AL-100 AL-100
INDIVIDUAL RESTROOMS	WATTSSTOPPER C1200-1 CEILING MOUNTED OCCUPANCY SENSOR (EACH RESTROOM OR STALL) WITH 82-50 POWER PACK AND OCC-2-W WALL CONTROL	AL-100 AL-100 AL-100
FREEDZERS AND COOLERS	WATTSSTOPPER CB-150 OCCUPANCY SENSOR(S) WITH 82-50 POWER PACK(S) IDENTIFY LOCATION OF 82-50 POWER PACK - INSIDE OR OUTSIDE OF FREEZER/COOLER	AL-100 AL-100
BEER COOLER	STYLE-LINE WALL SWITCH	
WINE TASTING ROOM	STYLE-LINE WALL SWITCH	
FRONT ELECTRIC ROOM	STYLE-LINE WALL SWITCH	
VESTIBULES	NO CONTROLS (TO BE SWITCHED BY PANEL/BOARD BREAKER)	
DEPT HEADERS TRACK LIGHTS	NO CONTROLS (TO BE SWITCHED BY PANEL/BOARD BREAKER)	
NOTES:		
1. COORDINATE ALL LIGHTING CONTROLS WITH DRAWINGS PREPARED BY ENERGY MANAGEMENT CONSULTANTS.		
2. ANY AREA NOT LISTED ABOVE SHALL BE CONTROLLED BY A STYLE-LINE WALL SWITCH.		

REVISION	DATE BY

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EXPIRES 12/31/2020

PROFESSIONAL SEAL

STATE OF MISSOURI
DEAN WAY
CHANDLER
NUMBER
PE-2017036652
PROFESSIONAL ENGINEER

DEAN W. CHANDLER 2020
LICENSE # PE-2017036652

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NORTH

PLAN NORTH

LIGHTING SCHEDULES AND DETAILS

PROJECT MANAGER SL	CHECKED BY: HEI
DRAWN BY: HENDERSON	DATE: 10/19/2020
SCALE: AS NOTED	JOB NUMBER: 62930547
SHEET:	
E3.1	

CIRCUIT 'MARKET GRILLE'
LIGHTING FIXTURES TO
ELECTRICAL PANELS 'S',
'U', AND 'L' (EMER PANEL)

PROVIDE A PERMANENT
PLASTIC PLAQUE LABEL
FOR EACH SWITCH
DESCRIBING ITS USE AND

PROVIDE DEEP BOXES
FOR DIMMER SWITCHES

The diagram illustrates two types of electrical coverplates: a 4 GANG COVERPLATE and a 5 GANG COVERPLATE. Each coverplate is shown with numbered circles (1-5) indicating the location of specific components.

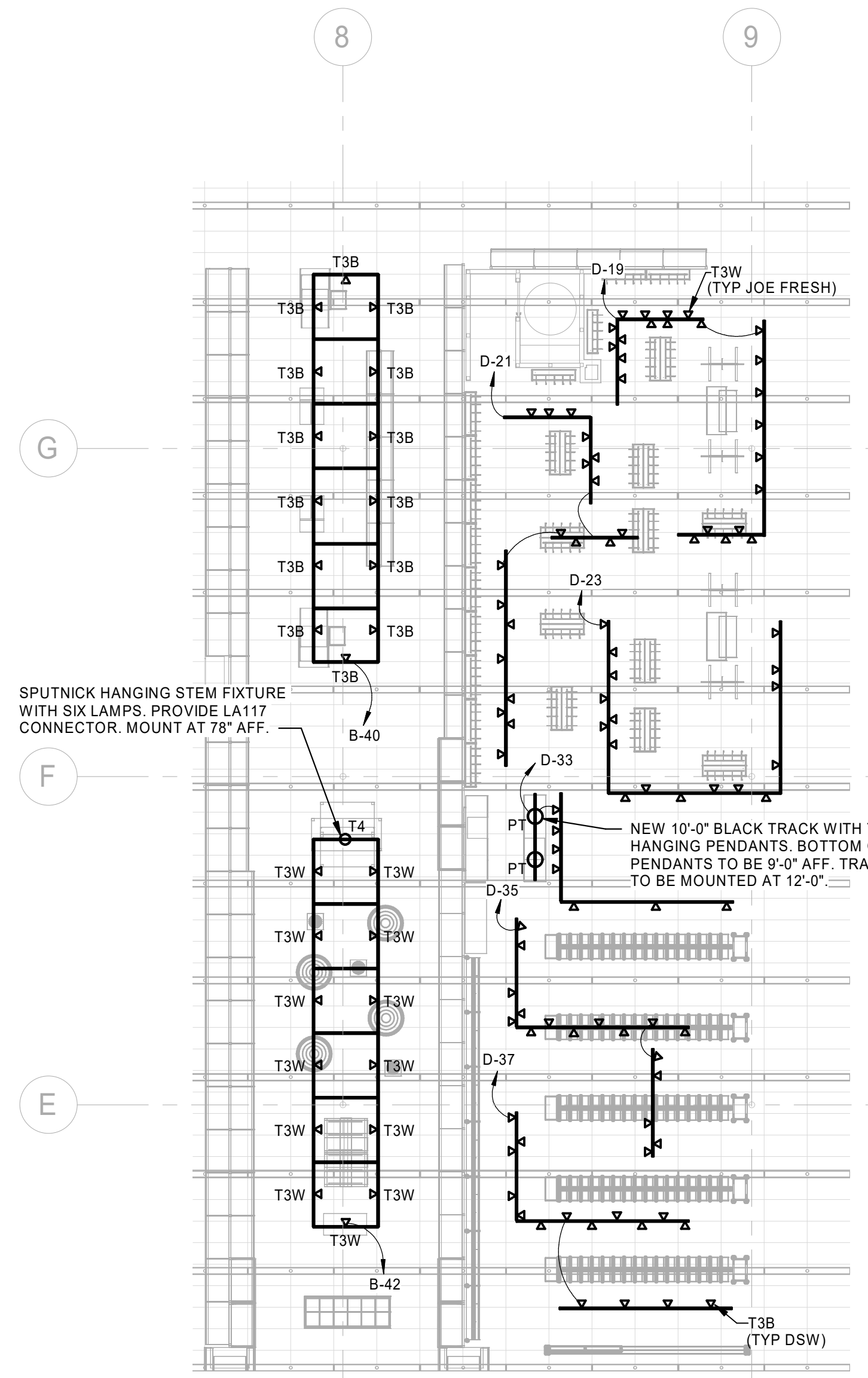
4 GANG COVERPLATE:

- 1** DIMMER 120V
- 2** DIMMER 120V
- 3** DIMMER 120V
- 4** DIMMER 120V
- RECESSED (OXT-5-8)** (located below the first three dimmers)
- OVERHEAD BACK BAR DISPLAY (OXT-5-10)** (located below the fourth dimmer)

5 GANG COVERPLATE:

- 1** DIMMER 120V
- 2** DIMMER 120V
- 3** DIMMER 120V
- 4** DIMMER 120V
- 5** DIMMER 120V
- BAR FLOODS (6 HEAD) (OXT-5-12)** (located below the first dimmer)
- BAR TRELLIS (OXT-5-20)** (located below the second dimmer)
- DRUM LIGHTS (OXT-1-34)** (located below the third dimmer)
- TRACK PENDANTS (OXT-1-36)** (located below the fourth dimmer)
- CYLINDER LIGHTS (OXT-1-38)** (located below the fifth dimmer)

2 'MARKET GRILLE' LIGHTING SWITCH LAYOUT
E3.1 SCALE: NONE



① LIGHTING FLOOR PLAN - GREETING
CARDS/CANDY/JOE FRESH/DSW
3/32" = 1'-0"



- [illegible]

- 1 PROVIDE NEMA-3R JUNCTION BOX FOR COOLER DOWD LIGHTS AND ANTI-WEAR HEATERS. PROVIDE CONNECTION TO EACH SET OF DOOR FRAMES. COORDINATE REQUIREMENTS WITH THE ELECTRICAL INSTALLER AND OTHER TRADES PRIOR TO INSTALLATION AND ADJUST ELECTRICAL PROVISIONS AS NECESSARY.
- 2 CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUITRY FOR CONTROLS. MAKE CONNECTIONS TO EXISTING NORMAL LIGHTING AND EMERGENCY LIGHTING CIRCUIT(S) FOR PROPER OPERATION. EXISTING RACEWAY, CIRCUITRY AND RELATED APPURTENANCES MAY BE REUSED IF IN GOOD CONDITION. IF NEW DESIGN CRITERIA CAN BE MET, OTHERWISE REPLACE.
- 3 EXISTING COOLER/FREEZER AND COL(S) TO REMAIN.
- 4 REWIRE AND EXTEND CREEPER FOR COORDINATE EXACT CONDUIT ROUTING WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE REPLACE.
- 5 EXISTING CIRCUIT INFORMATION WAS NOT ABLE TO BE DETERMINED FROM ARCHIVED DRAWINGS AND FIELD SURVEYS. CONTRACTOR TO VERIFY INFORMATION ON SITE.

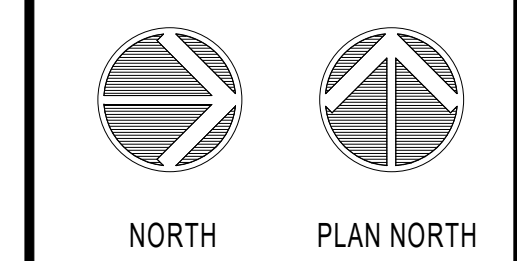
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EXPIRES 12/31/2020

PROFESSIONAL SEAL

STATE OF MISSOURI
DEAN WAY
CHANDLER
NUMBER
PE-2017036652
PROFESSIONAL ENGINEER

06/23/2020
DEAN W. CHANDLER
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EMPLOYEE OWNED



REFRIGERATION
ELECTRICAL
POWER PLAN -
PART A

PROJECT MANAGER SL	CHECKED BY: HEI
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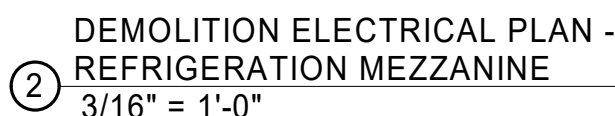
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ED 1.0A

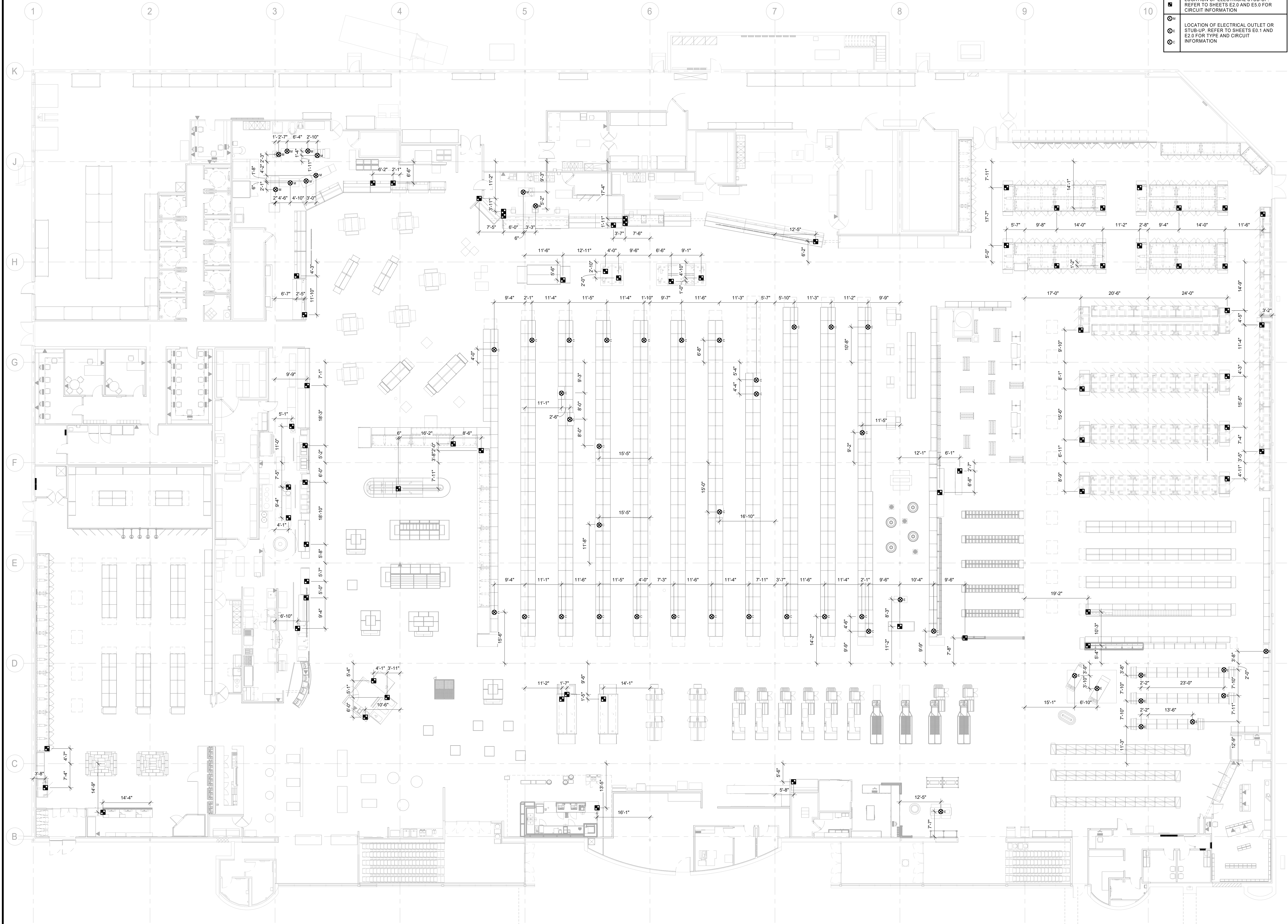


- ① ELECTRICAL DEMOLITION PLAN PART B
3/32" = 1'-0"

ED1.0B

THE STUB-UP LOCATIONS ON THIS PLAN ARE FOR REFERENCE ONLY. COORDINATE FINAL STUB-UP LOCATIONS WITH EQUIPMENT CUT SHEETS, FINAL FIXTURE LOCATIONS, AND OTHER TRADES PRIOR TO INSTALLATION.

ELECTRICAL STUB-UP LEGEND	
■	LOCATION OF ELECTRICAL STUB-UP. REFER TO SHEETS E2.0 AND E5.0 FOR CIRCUIT INFORMATION
⊙	LOCATION OF ELECTRICAL OUTLET OR STUB-UP. REFER TO SHEETS E0.1 AND E2.0 FOR TYPE AND CIRCUIT INFORMATION



1 ELECTRICAL STUB-UP PLAN
3/32" = 1'-0"

REVISION

DATE BY

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NORTH
PLAN NORTH

ELECTRICAL
STUB-UP PLAN

PROJECT MANAGER
SL
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PE1.1