'PROVIDE' REFERS TO 'FURNISH AND INSTALL'

ELECTRICAL SYMBOLS	
THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBR	REVIATIONS ARE USED.  ANNOTATION
STANDARD MOUNTING HEIGHTS	ANNOTATION
AUDIBLE APPLIANCES (CENTERLINE) 84" ALARMS 48"	
ANNUNCIATOR PANELS (DISPLAY)  CONTROLS (TOP OF DEVICE)  EXIT SIGNS (WALL MOUNTED)  60"  48"	1 PLUMBING PLAN NOTE CALLOUT
FIRE ALARM ANNUNCIATOR PANEL (DISPLAY)  FIRE ALARM BELL (EXTERIOR) (CENTERLINE)  FIRE ALARM CONTROL PANEL/UNIT (DISPLAY)  60"	1 ELECTRICAL OR FIRE ALARM PLAN NOTE CALLOUT
INTERCOM (AFEA ONLY) INTERCOMS (TOP OF DEVICE) PULL STATIONS (TOP OF DEVICE) PHOTOCELLS 48" 144"	1 TECHNOLOGY PLAN CALLOUT
RECEPTACLES 16" RECEPTACLES (EXTERIOR) 24" RECEPTACLES (GARAGES) 24" RECEPTACLES (POOLS) 27"	PLUMBING EQUIPMENT DESIGNATION. (CONTRACTOR FURNISHED AND INSTALLED). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES
RECEPTACLES (ABOVE COUNTER) +6" ABOVE BACKSPLASH/COUNTER, 40" MAX RECEPTACLES IN EQUIPMENT ROOMS 44" REMOTE INDICATING LIGHT (EQUIPMENT ROOMS) 48" REMOTE INDICATING LIGHT (FINISHED AREAS) CEILING	EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED)
SAFETY SWITCHES (TOP OF DEVICE)  STARTERS (TOP OF DEVICE)  SWITCHES (TOP OF DEVICE)  TELEPHONE, DATA OUTLETS  TELEPHONE, DATA OUTLETS  SAME AS ADJACENT DEVICE, UNO	MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)
TELEPHONE TERMINAL BOARD (BOTTOM) TELEVISION OUTLETS VISIBLE APPLIANCES (CENTERLINE)  REFER TO ARCH DRAWINGS 84"	CONNECTION POINT OF NEW WORK TO EXISTING
INSTALL OUTLET BOXES AT THE MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ABOVE, OR	DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
ELSEWHERE IN THE CONSTRUCTION DOCUMENTS, ARE AFF OR AFG TO BOTTOM OF OUTLET BOX, UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.	SECTION CUT DESIGNATION
LINETYPE LEGEND	CIRCUITING & WIRING
THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES 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 LINETYPES ARE RELATIVE TO THE	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.
VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT	└─ INDICATES RELAY NUMBER
INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR	CIRCUIT CONTINUATION OR PARTIAL CIRCUIT
RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD	CONDUIT CONCEALED
ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE,	CONDUIT CONCEALED (EMERGENCY)
ETC.	CONDUIT IN/UNDER FLOOR/GROUND CONSTRUCTION
EXISTING — NEW —	EXPOSED CONDUIT
DEMOLISH— — — — FUTURE	EXPOSED CONDUIT (EMERGENCY)
	FLEXIBLE CONDUIT
	LOW VOLTAGE CABLE (NOT ROUTED IN CONDUIT)
	———— CONDUIT TURNING DOWN
l l	

ELECTRICAL DEVICES AN	ND EQUIPMENT	UPDATED 2-18-19
DEVICE		DESCRIPTION EQUAL DEVICES BY LEGRAND ARE APPROVED FOR BIDDING.
ABEL	LOCATION	LEGRAND CATALOG NUMBERS ARE IN [ BRACKETS ]
$\bigotimes_{A}$	SALES FLOOR, PHARMACY, BAKERY, BULK WATER	125V JUNCTION BOX STUBBED UP FROM FLOOR AT DIMENSION SHOWN. WIRE TO EQUIPMENT
⊗B	VESTIBULE DOORS, MISC.	125V JUNCTION BOX. WIRE TO EQUIPMENT
TR <b>⊗</b> 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 #CR20GRYTR (GRAY) RECEPT  [LEGRAND #5362GRY]
⊗E	BEAUTY - SEE DETAIL 7 E0.0A	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 800LCK STEEL FLOOR BOX, LEGRAND 825SFCK CONVERSION KIT
<b>⊗</b> F	FLORAL	125V FLOOR BOX RECEPT. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. HUBBELL #B4233 FLOOR BOX, #S3825 DUPLEX FLAP, #HBL5362 (BROWN) RECEPT [WIREMOLD 1-880CS2-1/1-817B/2-828R] [LEGRAND #5362]
wpgf <mark>⊗</mark> m	MEAT DEPT - SEE DETAIL \$\overline{3}{\overline{0.0A}}\$	125V JUNCTION BOX. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. FURNISH AND INSTALL 125V RECEPT. HUBBELL #GFRST20GY (GRAY) SELF-TEST RECEPT. INTERMATIC #WP1010MXD WATERPROOF BOX WITH LID OR EQUAL
WPGF⊗M	KITCHEN, BAKERY - SEE DETAIL 3 4 0.0A 0.0A	125V JUNCTION BOX. STUBBED UP FROM FLOOR AT DIMENSION SHOWN. FURNISH AND INSTALL 125V RECEPT. HUBBELL #GFRST20GY (GRAY) SELF-TEST RECEPT. INTERMATIC #WP1010MXD WATERPROOF BOX WITH LID OR EQUAL
0	ENTIRE STORE	4x4 JUNCTION BOX; 2x4 HANDY BOX; EQUIPMENT CONNECTIONS
Ф	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 #26342]
тк∰	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 ' <u>DEVICE CHART</u> ' FOR COLOR OF RECEPT FOR SPECIFIC APPLICATION [LEGRAND #TR26342]
₩PGFI ∰GFI	ENTIRE STORE - SEE PLAN FOR LOCATIONS	[ LEGRAND #2097W ] 125V DUPLEX GROUND FAULT WALL RECEPT. HUBBELL #GFRST20W (WHITE)
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)
<b>⇔</b> D GFI <b>⇔</b> 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 #26342xx]
<b>₩</b> USB/AC	CUSTOMER SERVICE, DIRECTOR, ACCOUNTING, BOOKKEEPING, PHARMACY, BACKROOM OFFICE, DEPT. HEADS, BREAKROOM, CASUAL DINING	125V 20A COMBINATION USB/AC WALL RECEPT. HUBBELL MODEL USB20AC5W USB CHARGER WITH WHITE TAMPER RESISTANT RECEPT [LEGRAND #TR5362USBW]
<b>₩</b> USB/AC	DINING	125V 20A COMBINATION USB/AC RECEPT. HUBBELL MODEL USB20AC5 USB CHARGER WITH BROWN TAMPER RESISTANT RECEPT AND BROWN COVER PLATE [LEGRAND #TR5362USB/TP26]
USB/AC	BAR (CUSTOMER SIDE OF BAR UNDER BAR TOP)	125V 20A COMBINATION USB/AC RECEPT. HUBBELL MODEL USB20AC5 USB CHARGER WITH BROWN TAMPER RESISTANT RECEPT AND BROWN COVER PLATE [LEGRAND #TR5362USB/TP26]

	TAMPER RESI	STANT RECEPT AND BROWN COVER PLATE
	DEVICE CHART	UPDATED 2-18-19
A	ALL 120 VOLT ELECTRICAL DEVICES (SWITCHES AND RECEPTACLES) SHALL BE HUBBELL, STANDARD COMMERCIAL TYPE UNLESS AS INDICATED, AND SHALL BE	E 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, P SERVICE, FLORAL, PHARMACY, LIQUOR SALES, SCAN ROOM.	RODUCE PRE-PACK, BAKERY, KITCHENS, OFFICES, RESTROOMS, CUSTOMER
٧	WHITE 'STYLE-LINE' RECEPTACLE WITH STAINLESS STEEL COVER PLATE FOR COLUMN MOUNTED RECEPTACLES.	
C	GRAY RECEPTACLE MOUNTED IN J-BOX UNDER SALES SHELVING. SEE DETAIL ON THIS DRAWING AND DRAWING E2.0.	
C	GRAY 'STYLE-LINE' RECEPTACLE WITH STAINLESS STEEL COVER PLATE FOR BACKROOM, DOCK, CASE MOUNTED RECEPTS, AND MECHANICAL/ELECTRICAL	ROOMS.
F	RED 'STYLE-LINE' RECEPTACLE WITH MATCHING COVER PLATE FOR ALL GENERATOR POWER SENSITIVE ELECTRONIC EQUIP	MENT (PANELS 'LL', 'K', 'KK', 'KP').
٧	WHITE 'STYLE-LINE' SWITCH WITH PILOT LIGHT (FURNISHED AND INSTALLED BY ELECTRICIAN) FOR BAKERY AROMA CIRCULATING FAN.	
C	GRAY 'TOGGLE' SWITCH WITH STAINLESS STEEL COVER PLATE FOR ALL COOKING HOODS (FURNISHED BY HVAC AND INSTALLED BY ELECTRICIAN). PIZZA O	VEN HOOD, DISHWASHER HOOD, SEAFOOD EXHAUST FAN (WHERE APPLICABLE).
<u>v</u>	WHITE WIREFREE RTS 'DECOFLEX' 5 CHANNEL TRANSMITTER SWITCH AS MANUFACTURED BY SOMFY SYSTEMS, INC., WITH WHITE	STYLE-LINE' COVER PLATE.
E	BROWN USB/AC RECEPTACLE - SEE 'EQUIPMENT ELECTRICAL DEVICES' CHART ABOVE FOR SPECIFICS.	
٧	WHITE USB/AC RECEPTACLE - SEE 'EQUIPMENT ELECTRICAL DEVICES' CHART ABOVE FOR SPECIFICS.	
А	ALL OUTLETS, COVER PLATES, AND SWITCHES NOT SPECIFIED ABOVE TO BE WHITE .	
A	ALL SWITCHES TO BE 'STYLE-LINE' (EXCEPT AS NOTED ABOVE).	
A	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= <u>WHITE</u> , PHASE 'A'= <u>BLACK</u> , PHASE 'B'= <u>RED</u> , PHASE 'C'= <u>BLUE</u>
THIS CHART SHALL BE FOLLOWED BY THE ELECTRICAL CONTRACTOR FOR ALL NEW WIRING THROUGHOUT THE PROJECT.

ADDRE	VIATIONS		
AF	AMPERE FUSE SIZE	MCC	MOTOR CONTROL CEN
AFC	ABOVE FINISHED CEILING	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY
AHJ	AUTHORITY HAVING	MLV	MAGNETIC LOW-VOLTA
71110	JURISDICTION	MOCP	MAXIMUM OVERCURRE
A 1 11 1		MOCF	
AHU	AIR HANDLING UNIT	MED	PROTECTION
AIC	AMPERE INTERRUPTING	MTD	MOUNTED
	CAPACITY	N/A	NOT APPLICABLE
AS	AMPERE SWITCH SIZE	NF	NON-FUSED
AT	AMPERE TRIP SETTING	NL	NIGHT LIGHT (24HR ON
ATS	AUTOMATIC TRANSFER	NRTL	NATIONALLY RECOGNI
,	SWITCH		TESTING LABORATORY
AV	AUDIO VISUAL		(CSA, ETL, NSF, UL)
		NTO	
BAS	BUILDING AUTOMATION	NTS	NOT TO SCALE
	SYSTEM	os	OCCUPANCY SENSOR
BKR	BREAKER	Р	POLE
С	CONDUIT	PART	PARTIAL CIRCUIT
CAT	CATEGORY	PH/Ø	PHASE
	CABLE TELEVISION SYSTEM	PNL	PANEL
CCTV	CLOSED CIRCUIT TELEVISION	PNLBD	PANELBOARD
			FURNISH AND INSTALL
CD	CANDELA		
CKT	CIRCUIT	PT	POTENTIAL TRANSFOR
CODE	APPLICABLE CODE	QTY	QUANTITY
	ADOPTED BY JURISDICTION	R/REL	RELOCATE
CT	CURRENT TRANSFORMER	RCPT	RECEPTACLE
CTR	CENTER	RLA	RUNNING LOAD AMPS
CVD	CUMULATIVE VOLTAGE DROP	RTU	ROOFTOP UNIT
			SHORT-CIRCUIT CURRI
	DEMOLITION	SCCR	
DPDT	DOUBLE-POLE,		RATING
	DOUBLE-THROW	SD	SMOKE DUCT DETECTO
DPST	DOUBLE-POLE,	SF	SQUARE FEET
	SINGLE-THROW	SPDT	SINGLE-POLE,
E/ETR/EX	EXISTING TO REMAIN	J. J.	DOUBLE-THROW
EC	ELECTRICAL CONTRACTOR	SPST	SINGLE-POLE,
		3531	
EF.	EXHAUST FAN		SINGLE-THROW
EM	EMERGENCY	SSBJ	SUPPLY-SIDE BONDING
EMS	ENERGY MANAGEMENT		JUMPER
	SYSTEM	ST	SHUNT TRIP
ELV	ELECTRONIC LOW-VOLTAGE	SWBD	SWITCHBOARD
EWC	ELECTRIC WATER COOLER	SWGR	SWITCHGEAR
FAAP	FIRE ALARM ANNUNCIATOR	TBB	TELECOMMUNICATION
I AAI	PANEL	100	BONDING BACKBONE
E40D		TDD	
FACP	FIRE ALARM CONTROL PANEL		TO BE DETERMINED
FCA	FAULT CURRENT AMPS	TGB	TELECOMMUNICATION
	AVAILABLE		GROUND BUS BAR
FCU	FAN COIL UNIT	TL	TWISTLOCK
FF	FINISHED FLOOR	TMGB	<b>TELECOMMUNICATION</b>
FLA	FULL LOAD AMPS		MAIN GROUND BUS BA
FLR	FLOOR	TY/YEMD	TRANSFORMER
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GEC	GROUNDING ELECTRODE	U/F	UNDERFLOOR
	CONDUCTOR	U/G	UNDERGROUND
GES	GROUNDING ELECTRODE	U/S	UNDERSLAB
	SYSTEM	UH	UNIT HEATER
GFR	GROUND FAULT RELAY	UNO	UNLESS NOTED OTHER
G	GROUND	UPS	UNINTERRUPTIBLE PO
-		0, 0	
IG	ISOLATED GROUND		SUPPLY
ISC	SHORT CIRCUIT CURRENT	VD	VOLTAGE DROP
	JUNCTION BOX	VFD	VARIABLE FREQUENCY
LF	LINEAR FEET		DRIVE
LRA	LOCKED ROTOR AMPS	VS	VACANCY SENSOR
	LIGHTING/LIGHTS	W	WIRE
	MAKE-UP AIR UNIT	W/	WITH
			WEATHER PROOF
MAU	N A A X IN A I I N A		WENTHED DD()()L
MAU MAX	MAXIMUM	WP	
MAU MAX MCA	MINIMUM CIRCUIT AMPACITY	WR	WEATHER RESISTANT
MAU MAX			

CONDUIT TURNING UP

EQUIPMENT TERMINATION

CONDUCTOR TICK MARK LEGEND

TRAILING NEUTRAL)

LEADING NEUTRAL)

CONDUCTORS

CONNECTION POINT OR EQUIPMENT TERMINATION

WHERE TICK MARKS ARE SHOWN, THE FOLLOWING SHALL GOVERN:

— NEUTRAL (GROUNDED) CONDUCTOR

(GREEN INSULATION OR BARE)

- SWITCHED HOT (PHASE) CONDUCTORS (SHOWN

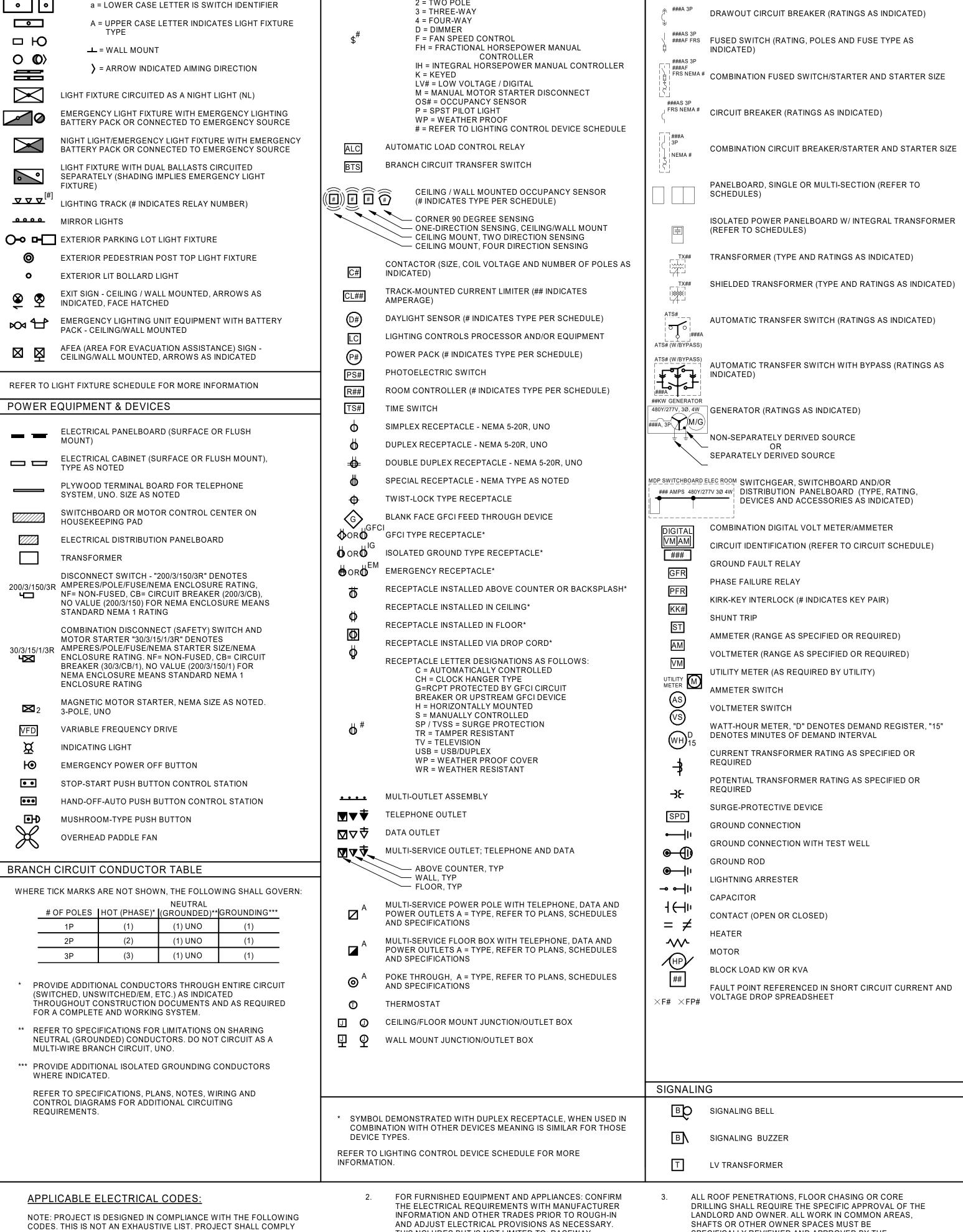
- UNSWITCHED HOT (PHASE) CONDUCTORS (SHOWN

EQUIPMENT GROUNDING CONDUCTOR IN CONDUIT

ISOLATED GROUNDING CONDUCTOR IN CONDUIT

(GREEN INSULATION WITH YELLOW TRACER)

NOTE: HASH MARKS INDICATE QUANTITY OF



BOXES, LIGHTING CONTROL & WIRING DEVICES

BLANK = SINGLE

2 = TWO POLE

SWITCH LETTER DESIGNATIONS AS FOLLOWS:

WITH ALL APPLICABLE CODES, STANDARDS AND LOCAL REQUIREMENTS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL

LIGHTING

LIGHT FIXTURE

ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE, (NFPA 70) BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE ENERGY CODE: N/A

REQUIREMENTS.

COMMISSIONING / FUNCTIONAL TESTING: CONTRACTOR'S BID SHALL INCLUDE PROVISIONS TO PROVIDE ALL

SERVICES RELATED TO THE CODE REQUIRED BUILDING SYSTEMS COMMISSIONING INCLUDING A COMMISSIONING PLAN, FUNCTIONAL TESTING, AND RELATED DOCUMENTATION, REPORTS AND OWNER TRAINING. THIS INCLUDES RETAINING THE SERVICES OF A 3RD PARTY REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY. REFER TO THE LATEST ADOPTED EDITION OF THE APPLICABLE ENERGY CODE FOR MORE INFORMATION. CONTRACTOR SHALL COMPLETE ALL RELATED COMMISSIONING REQUIREMENTS PRIOR TO FINAL INSPECTIONS IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, CODE AND MANUFACTURER'S INSTRUCTIONS.

# **ELECTRICAL GENERAL NOTES (GROCERY)**

KEEP PENETRATIONS THROUGH INSULATED COOLER AND FREEZER BOXES TO A MINIMUM. AVOID ROUTING CONDUIT INSIDE OF THE BOX WHEREVER PRACTICABLE. SURFACE MOUNTED VERTICAL CONDUITS IN FOOD PREP COOLERS SHALL BE SPACED 1" OFF THE WALL TO FACILITATE CLEANING. SURFACE MOUNTED CONDUIT ON THE EXTERIOR OF THE COOLER OR FREEZER SHALL BE TIGHT TO THE BOX, UNLESS NOTED OTHERWISE. DO NOT ROUTE CONDUIT WHERE IT IS SUBJECT TO DAMAGE. AVOID ROUTING CONDUIT TO TOP SURFACE OF BOX IN AREAS USED FOR MEZZANINE STORAGE OR OTHER EQUIPMENT SEAL ALL PENETRATIONS THROUGH BOX WITH EXPANDING FOAM OR SILICONE SEALANT AND FILL CONDUIT

FITTINGS/SEAL OFFS WITH EXPANDING FOAM SEALANT.

THIS NCLUDES BUT IS NOT LIMITED TO: RACEWAY, CONDUCTOR(S), DISCONNECT, CIRCUIT BREAKER, FUSE, WIRING DEVICE AND TERMINATION. WHERE APPLICABLE REFER TO VENDOR INFORMATION, SUCH AS FOOD SERVICE AND REFRIGERATION DRAWINGS, FOR DEVICE TYPE AND LOCATION.

REFER TO THE ELECTRICAL EQUIPMENT LISTING ON SHEET 0.1 FOR ADDITIONAL INFORMATION ON ELECTRICAL

CONNECTIONS AND REQUIREMENTS FOR EQUIPMENT PROVIDE WEATHER PROOF BOXES, DEVICES AND COVERS IN WET LOCATIONS, WALK-IN COOLER/FREEZER BOXES, FOOD PREP AREAS, KITCHEN AND WASH DOWN AREAS INCLUDING FLOOR LEVEL EQUIPMENT CONNECTIONS IN THESE AREAS, UNO.

ELECTRICAL GENERAL NOTES (REMODEL):

LANDLORD.

1. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT ACTUAL "AS-BUILT" CONDITIONS. VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. COORDINATE NEW AND DEMOLITION WORK WITH ALL OTHER TRADES AND EXISTING CONDITIONS.

NOTIFY ARCHITECT, ENGINEER AND OWNER, AS APPLICABLE, IF ANY DANGEROUS CONDITIONS EXIST ON JOB SITE BEFORE ANY DEMOLITION OR REMODEL WORK

COORDINATE ANY NECESSARY POWER OUTAGES WITH THE LANDLORD AND OWNER AND MAKE EVERY ATTEMPT TO SCHEDULE DURING NON-BUSINESS OR OFF-PEAK BUSINESS HOURS TO MINIMIZE DISRUPTION TO BUSINESS OPERATIONS. REQUESTS FOR ELECTRICAL SHUTDOWNS OF THE LANDLORD'S EQUIPMENT SHALL BE BROUGHT IN WRITING TO THE ATTENTION OF THE LANDLORD AT LEAST 7 DAYS IN ADVANCE. SHUTDOWNS SHALL NOT BE PERFORMED WITHOUT WRITTEN APPROVAL FROM THE

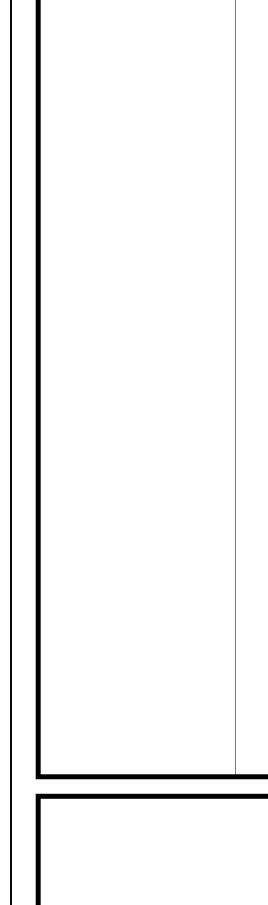
SPECIFICALLY REVIEWED AND APPROVED BY THE LANDLORD PRIOR TO ANY WORK BEING PERFORMED. MINIMIZE DISTURBANCE TO OTHER BUILDING TENANTS

FOR AREAS AND EQUIPMENT WITHIN THE SCOPE OF THIS REMODEL: EXISTING ELECTRICAL EQUIPMENT AND CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION AND NEW DESIGN REQUIREMENTS CAN BE MET; OTHERWISE

FOR AREAS AND EQUIPMENT WITHIN THE SCOPE OF THIS REMODEL: REPAIR OR REPLACE ANY EXISTING DAMAGED OR RECALLED ELECTRICAL EQUIPMENT, LIGHT FIXTURES, WIRING DEVICES AND RELATED CIRCUITRY AND RESTORE ALL ELECTRICAL SYSTEMS TO PROPER WORKING ORDER THE FINAL ELECTRICAL INSTALLATION SHALL BE FREE FROM ELECTRICAL DEFECTS TO THE SATISFACTION OF THE AHJ, OWNER, ARCHITECT AND ENGINEER.

FOR AREAS AND EQUIPMENT WITHIN THE SCOPE OF THIS REMODEL: VERIFY CONDITION AND AGE OF EXISTING REUSED ELECTRICAL EQUIPMENT, LIGHT FIXTURES, CIRCUIT BREAKERS, FUSES, CONDUIT, SWITCHES AND RELATED WIRING, NOTIFY OWNER OF ANY ELECTRICAL EQUIPMENT, LIGHT FIXTURES AND WIRING AGED BEYOND ITS USEFUL LIFE AND REPLACE AS DIRECTED. THE MAXIMUM EXPECTED USEFUL LIFE SHALL NOT EXCEED THE FOLLOWING, (AS DATED FROM THE POINT OF MANUFACTURE), UNLESS APPROVED BY THE ENGINEER, MANUFACTURER AND OWNER: 20 YEARS FOR CIRCUIT BREAKERS, GENERATOR/UPS SYSTEMS AND LIGHT FIXTURES. 30 YEARS FOR TRANSFORMERS AND PANELBOARDS, 40 YEARS FOR SWITCHBOARDS AND OTHER ELECTRICAL EQUIPMENT.

FOR AREAS AND EQUIPMENT WITHIN THE SCOPE OF THIS REMODEL: ELECTRICAL EQUIPMENT SHALL BE LOCATED SO THAT THE CODE REQUIRED MINIMUM WORKING CLEARANCE AND DEDICATED ELECTRICAL SPACE ARE MAINTAINED. EXISTING EQUIPMENT NOT MEETING CURRENT CODE CLEARANCE REQUIREMENTS MAY REMAIN IF ALLOWED TO REMAIN BY THE AHJ, ENGINEER AND



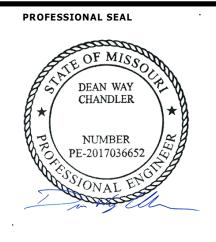
REVISION

V3.00

ELECTRICAL ONE-LINE & RISER DIAGRAM

SWITCH (RATING AS INDICATED)

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



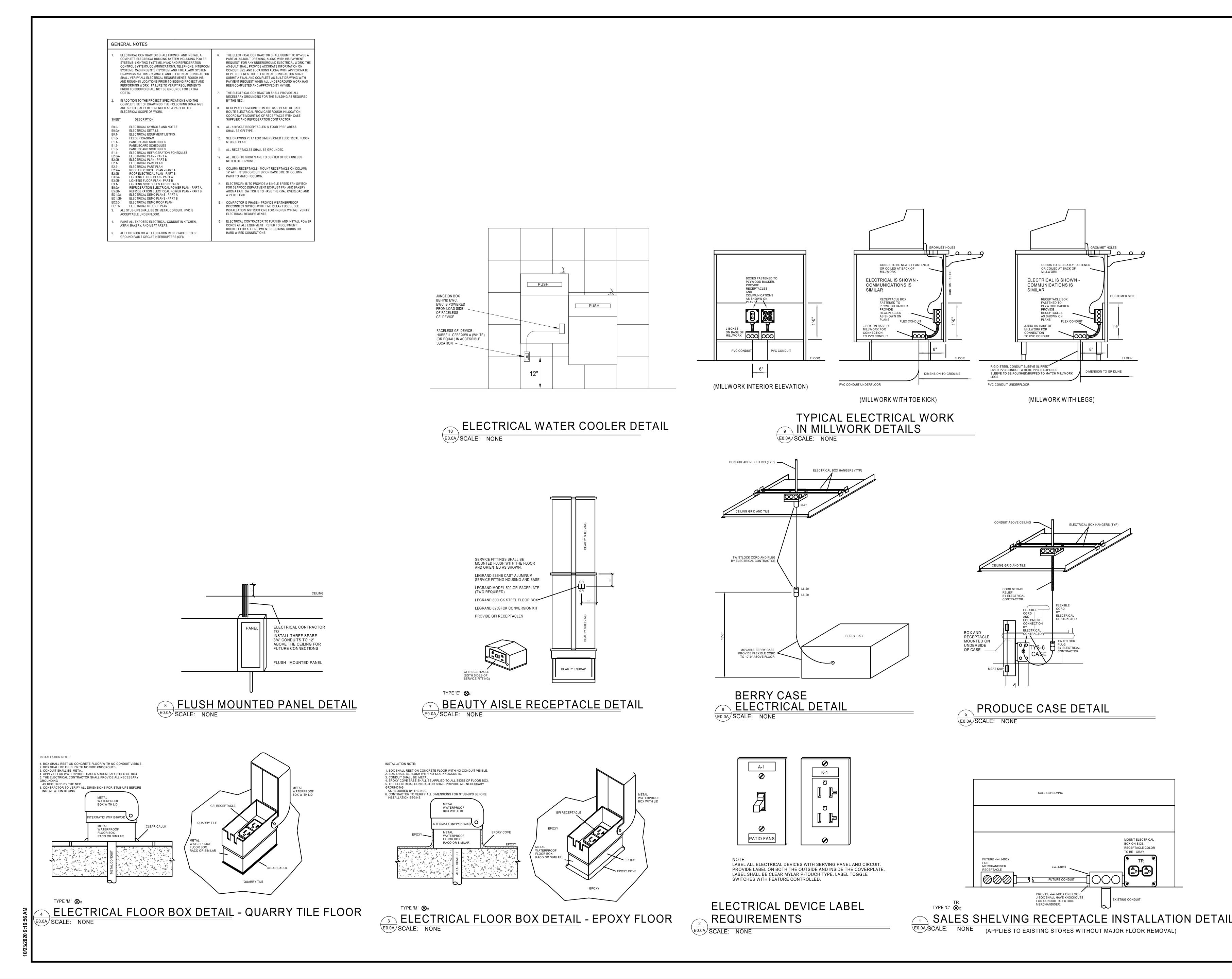
Oct 23 2020 DEAN W. CHANDLER LICENSE # PE-2017036652



PLAN NORTH

**ELECTRICAL** NOTES & SYMBOLS

DRAWN BY: HENDERSON 10/19/2020 SCALE: JOB NUMBER: AS NOTED 62930547



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

REVISION

PROFESSIONAL SEAL

PROFESSIONAL SEAL

PROFESSIONAL SEAL

DEAN WAY
CHANDLER

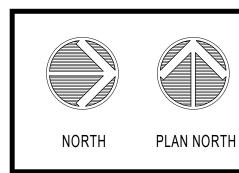
NUMBER
PE-2017036652

DEAN W. CHANDLER LICENSE # PE-2017036652

EE'S SUMMIT, MO #2

10 SW WARD RD

14 HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2935
FAX: (515) 267-2935

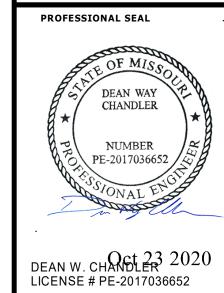


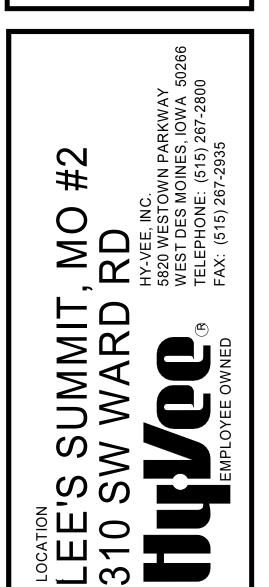
ELECTRICAL DETAILS

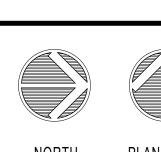
PROJECT MANAGER
SL
HEI

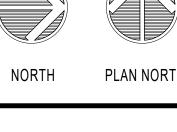
DRAWN BY: DATE:
HENDERSON 10/19/2020
SCALE: JOB NUMBER:
AS NOTED 62930547

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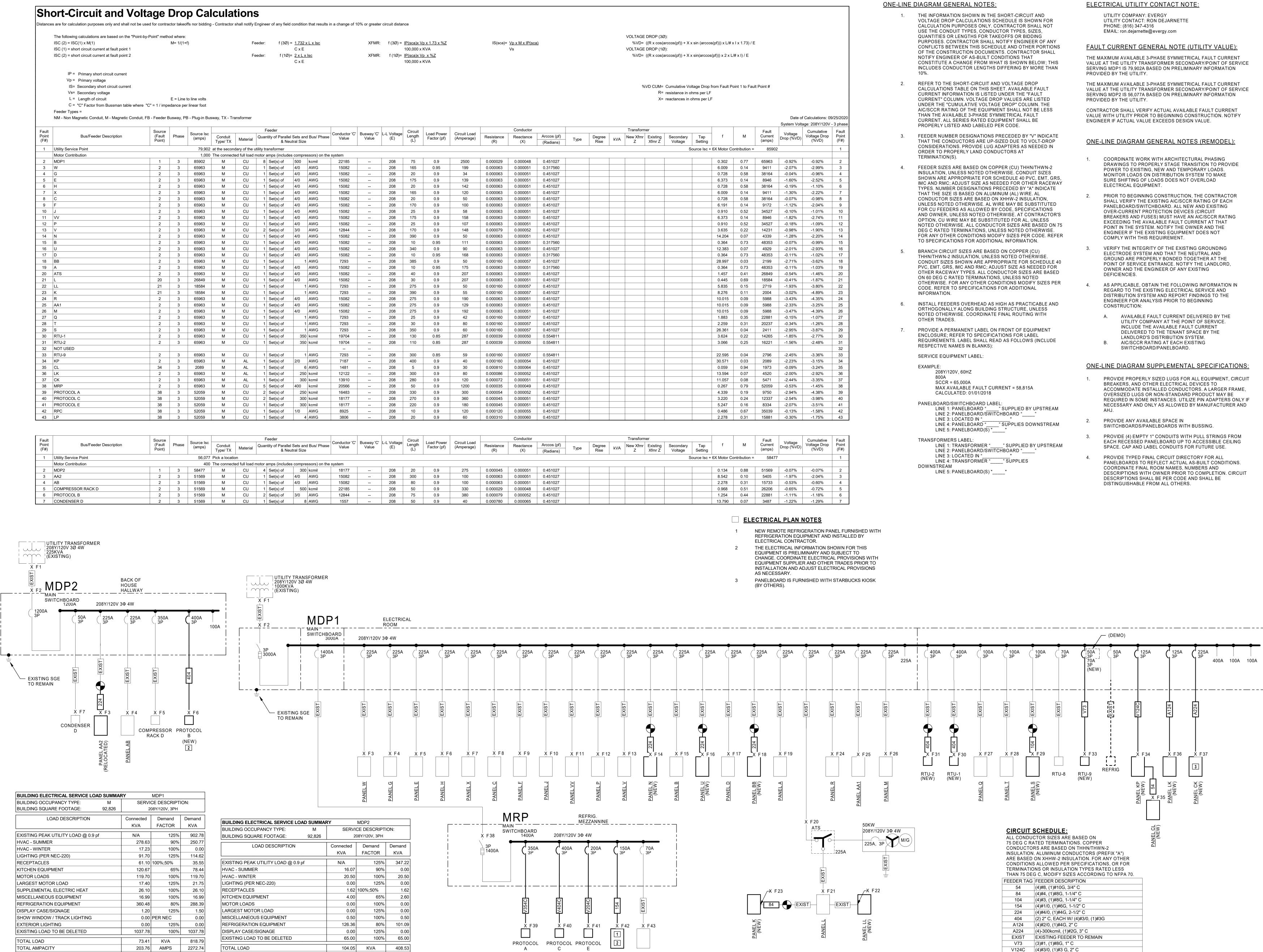




ELECTRICAL EQUIPMENT LISTING

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

	RICAL LISTING SCHEDULE	Г		(NOT ALL EQUIPM	ENT LISTED MAY APPLY TO THIS PROJECT)		TRICAL LISTING SCHEDULE (c	continued)			(NOT ALL EQU	PMENT LISTED MAY APPLY TO THIS PROJECT)		RICAL LISTING SCHEDULE (co	ontinued)			(NOT ALL EQUIPM	ENT LISTED MAY APPLY TO THIS PROJECT)
EQUIPMENT  MANUFACTURER	MODEL # AND DESCRIPTION	LOCATION	VOLTAGE MCA MOCP	DEVICE REMARKS	NOTES	EQUIPMENT MANUFACTURER	MODEL # AND DESCRIPTION	LOCATION VC	OLTAGE MCA	MOCP DE	VICE REMARKS	NOTES	EQUIPMENT  MANUFACTURER	MODEL # AND DESCRIPTION	LOCATION	VOLTAGE MCA	MOCP DEVICE	REMARKS	NOTES
GLASTENDER	BAR EQUIPMENT	BAR BAR AND DINING	120V . 20A-1P	FIELD VERIFY ELECTRICAL REQUIREMENTS 5-20 CORD AND PLUG FURNISHED WITH UNIT	REFER TO MANUF. SHOP DRAWINGS VERIFY MOUNTING HEIGHT	HOBART HOBART	1HG85 GAS FRYER		20V 1.0	20A-1P 5-: 20A-1P 5-:	EU CONSTINSTEUCTONNONES WITH ONLY	SHUNT TRIP SHUNT TRIP	ABS	ABSEDO-283 3 DECK BAKERY OVEN ABSBRD-36-4 BUN ROUNDER	BAKERY BAKERY	208V-3PH 62.0	80A-3P 20A-3P L15-20	HARD WIRED CORD AND PLUG FURNISHED WITH UNIT	SLOW BLOW BREAKER SLOW BLOW BREAKER
SAMSUNG REMOTE TECHNOLOGIES	80" TV, 90" TV TV (all sizes except 80" and 90") TOUCH PAD	BAR AND DINING BAR AND DINING	120V . 20A-1F 120V . 20A-1P LOW VOLTAGE	5-20 CORD AND PLUG FURNISHED WITH UNIT POWER FROM CAT6 COMMUNICATION CABLE	VERIFY MOUNTING HEIGHT  VERIFY MOUNTING HEIGHT  VERIFY MOUNTING HEIGHT	HOBART HOBART	1VK45F GAS FRYER 2VK45F GAS FRYER HTi-LS SCALE	ASIAN KITCHEN 1 ASIAN KITCHEN 1	20V 5.0 20V 5.0 20V 1.42	20A-1P 5-1 20A-1P 5-1	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP	ABS BAXTER	ABSFBM-80 80 QT MIXER OV500G2 BAKERY OVEN	BAKERY BAKERY	208V-3PH 4.0 208V-3PH 20.0 208V-3PH .	30A-3P L15-30 20A-3P	CORD AND PLUG FURNISHED WITH UNIT HARD WIRED	SLOW BLOW BREAKER
						STRUCTURAL CONCEPTS TOWN TOWN	HOT ASIAN CASE RICE COOKER 4 HOLE WOK		V-1PH 69.0 20V 14.7 		RIFY FIELD VERIFY ELECTRICAL REQUIREMENTS CORD AND PLUG FURNISHED WITH UNIT NO ELECTRICAL	1-1/2" STUBUP IN PEDESTAL SHUNT TRIP	BAXTER BAXTER BAXTER	BAKERY OVEN (CONTROLS) PW2E 60.5" DIAMETER PROOFER PROOFER (CONTROLS)	BAKERY BAKERY BAKERY	120V . 208V-3PH 36.0 120V .	20A-1P 50A-3P 20A-1P	HARD WIRED HARD WIRED HARD WIRED	DEDICATED ELECTRICAL CIRCUIT PROVIDE EXTRA NEUTRAL WIRE DEDICATED ELECTRICAL CIRCUIT
TRUE	GDM-7 SODA TOWER POS AND PRINTER	DINING DINING	120V 4.5 20A-1P 120V . 20A-1P 120V . 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		TOWN TRAULSEN TRAULSEN	RICE WARMER TS090HT G10000 series REFRIGERATOR	ASIAN KITCHEN 1	20V 0.8 20V 9.0 20V 7.0	20A-1P 5-1 20A-1P 5-1 20A-1P 5-1	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT		BAXTER BAXTER HORART	OV450W 3 DECK OVEN BBS500 BREAD SLICER HL-800-1 80 QT MIXER	BAKERY BAKERY BAKERY	208V-3PH (3) 22.5 120V 6.0	(3) 30A-3P (3) L15-30 20A-1P 5-20 30A-3P VERIFY	(3) SEPARATE FLEXIBLE CORDS AND PLUGS CORD AND PLUG FURNISHED WITH UNIT FIELD VERIFY ELECTRICAL CONNECTION	MOUNT TWIST-LOCK RECEPTS IN CEILING
	PRINTER CURBSIDE-TO-GO MONITOR	DINING DINING	120V . 20A-1P 120V . 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		LAKESIDE	PLATE LOWERATOR PRINTER	ASIAN KITCHEN 1	20V 7.0 20V 3.75 20V .	20A-1P 5- 20A-1P 5- 20A-1P 5-	20 CORD AND PLUG FURNISHED WITH UNIT		HOBART HOBART	M802 80 QT MIXER HTi-7LS SCALE	BAKERY BAKERY	208V-3PH . 208V-3PH . 120V 1.42	30A-3P VERIFY 20A-1P 5-20	FIELD VERIFY ELECTRICAL CONNECTION CORD AND PLUG FURNISHED WITH UNIT	
WILBUR CURTIS	COFFEE BREWER TEA INTERIOR & EXTERIOR MENU DISPLAY	DINING DINING DINING	208V-1PH 31.7 50A-2P 120V . 20A-1P 120V . 20A-1P	L14-50 CORD AND PLUG FURNISHED WITH UNIT  5-20 CORD AND PLUG FURNISHED WITH UNIT  5-20 CORD AND PLUG FURNISHED WITH UNIT	PROVIDE SWITCH; SEE MOUNTING								HOBART STRUCTURAL CONCEPTS STRUCTURAL CONCEPTS	HTIP-LS PRINTER HVK56 CASE HVK56R CASE	BAKERY BAKERY BAKERY	120V 1.42 120V 1.1 120V 1.1	20A-1P 5-20 20A-1P	CORD AND PLUG FURNISHED WITH UNIT FIELD VERIFY ELECTRICAL REQUIREMENTS FIELD VERIFY ELECTRICAL REQUIREMENTS	
COKE FREESTYLE w/ SCOTSMAN CUBER	FREESTYLE C0722MA-32 AIR COOLED CUBER	DINING DINING	120V         12.0         20A-1P           208V-1PH         11.0         20A-2P	5-20 CORD AND PLUG FURNISHED WITH UNIT 6-20 E.C. TO PROVIDE CORD TO UNIT	PLACE RECEPT WITHIN 4' OF UNIT AIR COOLED	PROLUXE STRUCTURAL CONCEPTS		HISPANIC KITCHEN 208	20V 18.3 V-1PH 69.0	******	RIFY FIELD VERIFY ELECTRICAL REQUIREMENTS	1-1/2" STUBUP IN PEDESTAL	LVO LVO	SHEETER BUN ROUNDER	BAKERY BAKERY BAKERY	120V 7.5 208V-3PH 3.0	20A-1P 5-20 20A-3P	CORD AND PLUG FURNISHED WITH UNIT HARD WIRED	ALTECH KEMAAAAH OMITAH
						SHELLEYSTEEL SHELLEYSTEEL SHELLEYSTEEL	SH-3 HOT CASE SH-4 HOT CASE SCSC-60-B COLD CASE	HISPANIC KITCHEN 208	V-1PH 20.0 V-1PH 26.0 20V .		-30 CORD AND PLUG FURNISHED WITH UNIT -50 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT		DECOPAC AVALON	PAN WASHER PHOTOCAKE GLAZING TABLE	BAKERY BAKERY	208V-3PH 71.0 120V .	100A-3P 20A-1P 5- <del>20</del> 	HARD WIRED; CONCEALED CONDUIT CORD AND PLUG FURNISHED WITH UNIT NO ELECTRICAL	ALTECH KEM3100UL SWITCH
TRAULSEN TRAULSEN TRAULSEN	UPT4812 REFRIGERATED UNIT UPT6012 REFRIGERATED UNIT TE036HT REFRIGERATED UNIT	KITCHEN KITCHEN	120V 6.3 20A-1P 120V 6.3 20A-1P 120V 6.7 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		SHELLEYSTEEL DOUGHXPRESS DOUGHXPRESS	SCSC-74-B COLD CASE  D-TXM-18 MANUAL DOUGH PRESS  D-TXM-22 MANUAL DOUGH PRESS	HISPANIC KITCHEN 208	20V . V-1PH 12.9 V-1PH 12.9	20A-1P 5-3 20A-2P 6-3 20A-2P 6-3	001071101200101111011201111110111	SHUNT TRIP SHUNT TRIP	BELSHAW DIGI AMANA	HG18C, HG24C GLAZER DS-520 FLOUR SCALE MICROWAVE	BAKERY BAKERY BAKERY	120V 1.0	 20A-1P 5-20 20A-1P 5-20	NO ELECTRICAL  CORD AND PLUG FURNISHED WITH UNIT  CORD AND PLUG FURNISHED WITH UNIT	
TRAULSEN TRAULSEN	TE048HT REFRIGERATED UNIT TE060HT REFRIGERATED UNIT	KITCHEN KITCHEN	120V 6.7 20A-1P 120V 6.7 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		DOUGHAI NEGO	B-TAM-22 MANUAL BOOOTT NESS	THO AND KITCHEN 200	V-1111 12.3	207-21	SOND AND FEGGT ONNIGHED WITH ONLY	OHOW TKII	SAMSUNG JOHN BOOS	TV INGREDIENTS TABLE	BAKERY BAKERY	120V .	20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT NO ELECTRICAL	VERIFY MOUNTING HEIGHT
TRAULSEN TRAULSEN TRAULSEN	TE072HT REFRIGERATED UNIT TE096HT REFRIGERATED UNIT TS048HT REFRIGERATED UNIT	KITCHEN KITCHEN	120V 6.7 20A-1P 120V 12.0 20A-1P 120V 9.8 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		TRAULSEN TRAULSEN	UPT6012 TU072HT	, ,	20V 6.3 20V 6.3	20A-1P 5-:	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT		OLIVER OLIVER (varies)	797 SLICER 723N BAGEL SLICER VACUUM	BAKERY BAKERY BAKERY	120V 7.0 120V 6.8 120V	20A-1P 5-20 20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	
TRAULSEN TRAULSEN TRAULSEN	TS066HT REFRIGERATED UNIT TS072HT REFRIGERATED UNIT TS090HT REFRIGERATED UNIT	KITCHEN KITCHEN KITCHEN	120V 9.0 20A-1P 120V 9.0 20A-1P 120V 9.0 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		TRAULSEN TRAULSEN HEAT SEAL	TU100HT TS072HT 102A 107A WRAPPER	DELI 1	20V 6.3 20V 9.0 20V 6.5	20A-1P 5-2 20A-1P 5-2 20A-1P 5-3	ZO COND AND I LOO I ONNIONED WITH ONLY		JAC HATCO	AIR COMPRESSOR SPRAY GUN VARIA PRO 800 TO-800H TOASTER	BAKERY BAKERY BAKERY	120V 208V-3PH 5.2 208V-1PH	20A-1P 5-20 20A-3P L15-20 20A-2P 6-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	VERIFY MOUNTING LOCATION
TRAULSEN TRAULSEN	TU072HT REFRIGERATED UNIT TU100HT REFRIGERATED UNIT	KITCHEN KITCHEN	120V 9.0 20A-1P 120V 6.3 20A-1P 120V 6.3 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		HOBART HOBART	HTi-7LS SCALE 2912 SLICER	DELI 1	20V 6.5 20V 1.42 20V 3.0	20A-1P 5-	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT		BELSHAW ADAMATIC BELSHAW ADAMATIC	624 DONUT FRYER EZMELT-18 SHORTENING MELTER	BAKERY BAKERY	208V-3PH 41.0 120V 15.0	60A-3P 20A-1P L5-20	FLEXIBLE CORD WITH TWIST-LOCK PLUG BY E.C.	SHUNT TRIP; TWIST-LOCK RECEPT SHUNT TRIP
TRAULSEN TRAULSEN TRAULSEN	G10000 series REFRIGERATOR G20000 series REFRIGERATOR G30000 series REFRIGERATOR	KITCHEN KITCHEN	120V 7.0 20A-1P 120V 8.5 20A-1P 120V 10.9 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		BERKEL	330M PROSCIUTTO FLYWHEEL SLICER	DELI			NO ELECTRICAL								
TRAULSEN TRAULSEN TRAULSEN	G11000 series REFRIGERATOR G21000 series REFRIGERATOR	KITCHEN KITCHEN	120V 7.5 20A-1P 120V 9.6 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		HOBART	HTi-LS SCALE		20V 1.42	20/1-11	20 CORD AND PLUG FURNISHED WITH UNIT		(varies) DIEBOLD	REFRIGERATOR TUBE BLOWER	PHARMACY PHARMACY	120V . 208V-1PH .	20A-1P 5-20 30A-2P VERIFY	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (NOT ON UPS) VERIFY ALL REQUIREMENTS
TRAULSEN TRAULSEN TRAULSEN	G12000 series REACH-IN FREEZER G22000 series REACH-IN FREEZER G31000 series REACH-IN FREEZER	KITCHEN KITCHEN KITCHEN	120V     9.5     20A-1P       120V     11.2     20A-1P       208V-1PH     11.0     20A-2P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT L14-20 CORD AND PLUG FURNISHED WITH UNIT	4 WIRE	HEAT SEAL	102-A W RAPPER PRODUCE MISTER		20V 6.5 20V .	20A-1P 5- 20A-1P VE	20 CORD AND PLUG FURNISHED WITH UNIT ERIFY FIELD VERIFY ELECTRICAL REQUIREMENTS		SCRIPTPRO LIFECLINIC	SP100 PRESCRIPTION DISPENSER LC300 BLOOD PRESSURE MACHINE ROLLOUT PRINTER	PHARMACY PHARMACY PHARMACY	120V 13.0 120V 2.5 120V .	20A-1P 5-20 20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	DEDICATED ELECTRICAL CIRCUIT DEDICATED ELECTRICAL CIRCUIT GENERATOR CKT (NOT ON UPS)
TRAULSEN HOBART	TBC-13 CHILLER CL44e Dishwasher/15 Kw Tank Htr 30 Kw Booster Heater	KITCHEN KITCHEN	208V-1PH 13.4 20A-2P 208V-3PH 55.0 70A-3P 208V-3PH 83.9 90A-3P	L14-20 CORD AND PLUG FURNISHED WITH UNIT  HARD WIRED, NEMA 3R DISCONNECT  HARD WIRED, NEMA 3R DISCONNECT	PROVIDE WIRING OF SWITCH; SEE SHOP DRAWINGS FOR ROUGH-IN DIMS.	MARINELAND	LOBSTER TANK	SEAFOOD 1	20V 15.0	20A-1P 5-	20 CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (NOT ON UPS)		RACK	PHARMACY	120V .	20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (ON UPS); 4PLEX
HOBART	AM15 Dishwasher/Booster Heater (with single point connection)	KITCHEN	208V-3PH 45.4 60A-3P	HARD WIRED, NEMA 3R DISCONNECT	PROVIDE WIRING OF SWITCH	STRUCTURAL CONCEPTS HOBART		SEAFOOD 1	20V 15.0 20V . 20V 1.42	20A-1P 5-20A-1P 5-3	20 CORD AND PLUG FURNISHED WITH UNIT		(varies)	REFRIGERATOR	BREAKROOM	120V .	20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	
SALVAJOR HOBART HOBART	DISHWASHER DISPOSAL  1HG85 GAS FRYER  2912 SLICER	KITCHEN KITCHEN KITCHEN	208V-3PH . 20A-3P 120V 1.0 20A-1P 120V 1/2 hp 20A-1P	HARD WIRED, NEMA 3R DISCONNECT  5-20 CORD AND PLUG FURNISHED WITH UNIT  5-20 CORD AND PLUG FURNISHED WITH UNIT	PROVIDE WIRING OF SWITCH SHUNT TRIP 1/2 hp MOTOR								(varies) SAMSUNG	COFFEE MAKER TV	BREAKROOM BREAKROOM	120V	20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	VERIFY MOUNTING HEIGHT
HOBART VULCAN	HTi-7LS SCALE FIRB46 SALAMANDER BROILER	KITCHEN KITCHEN	120V 1.42 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT NO ELECTRICAL 5-20 HARD WIRED	SHUNT TRIP	HOBART HOBART	MG-1532 GRINDER HWS-4 HAND WRAP STATION	MEAT 1	V-3PH 7.5 hp 20V 8.5	30A-3P L15 20A-1P 5-:	20 CORD AND PLUG FURNISHED WITH UNIT	ELEVINE CORD		CONSTAR	OUOTOMED CEDVICE	400)/	004.4D	CORD AND PLUG FURNISHED WITH UNIT	
VULCAN VULCAN VULCAN	2VK45F GAS FRYER 900 SERIES GAS GRIDDLE V2B18 2 BURNER GAS RANGE	KITCHEN KITCHEN KITCHEN	120V 1.0 20A-1P 120V 1.0 20A-1P	5-20 HARD WIRED  5-20 CORD AND PLUG FURNISHED WITH UNIT  NO ELECTRICAL	SHUNT TRIP  GAS SHUTOFF VALVE TO F.A. PANEL	HOBART HOBART HOBART	6614 SAW 403 TENDERIZER HTi-7LS SCALE	MEAT 1	V-3PH 3 hp 20V 1/2 hp 20V 1.42		T-LOCK HARD WIRED AT CEILING - SEE DETAIL CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	FLEXIBLE CORD		COINSTAR LOTTO CIGARETTE SIGNAGE	CUSTOMER SERVICE CUSTOMER SERVICE CUSTOMER SERVICE	120V	20A-1P 5-20 20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	
VULCAN VULCAN VULCAN	V4B36 4 BURNER GAS RANGE V6B36B 6 BURNER GAS RANGE/OVEN SG4D CONVECTION OVEN	KITCHEN KITCHEN KITCHEN	120V 4.0 20A-1P 120V 4.0 20A-1P 120V 9.0 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP SHUNT TRIP SHUNT TRIP	HOBART HUSSMAN BIRO	HTIP-LS PRINTER AB36-5 AGED BEEF CASE PATTY MACHINE	MEAT 1	20V 1.42 20V 0.61 20V 7.9	20A-1P 5-3 20A-1P 5-3 20A-1P 5-3	HARD WIRED			MONEY ORDERS WESTERN UNION	CUSTOMER SERVICE CUSTOMER SERVICE CUSTOMER SERVICE	120V 120V 120V	20A-1P 5-20 20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	
VULCAN VULCAN	VCCB36 36" CHARBROILER VCCB47 47" CHARBROILER	KITCHEN KITCHEN		NO ELECTRICAL NO ELECTRICAL		VULCAN VULCAN	VCCB25 25" CHARBROILER 36S-2B24CBN CHARGRILLE/RANGE	MEAT	20V 4.0		NO ELECTRICAL	SHUNT TRIP		COPIER POSTAL COUNTER	CUSTOMER SERVICE CUSTOMER SERVICE	120V	20A-1P 5-20 20A-1P	CORD AND PLUG FURNISHED WITH UNIT HARD WIRED	FIELD VERIFY CONNECTION
VULCAN RATIONAL RATIONAL	CHARGRILLE/RANGE MODEL 62E COMBI-OVEN MODEL 102E COMBI-OVEN	KITCHEN KITCHEN KITCHEN	120V 4.0 20A-1P 208V-3PH 61.4 80A-3P 208V-3PH 101.3 125A-3P	5-20 CORD AND PLUG FURNISHED WITH UNIT HARD WIRED; CONCEALED CONDUIT HARD WIRED; CONCEALED CONDUIT	SHUNT TRIP SHUNT TRIP; ALTECH KEM380UL SHUNT TRIP; ALTECH KEM3125UL									RACK	CUSTOMER SERVICE	120V .	20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (ON UPS); 4PLEX
HENNY PENNY HENNY PENNY HENNY PENNY	HMR 103F HMR 105F HMR 107F	KITCHEN KITCHEN KITCHEN	208V-1PH 18.0 30A-2P 208V-1PH 26.9 50A-2P 208V-1PH 38.0 50A-2P	L14-30 CORD AND PLUG FURNISHED WITH UNIT L14-50 CORD AND PLUG FURNISHED WITH UNIT L14-50 CORD AND PLUG FURNISHED WITH UNIT		OLDE TYME HOBART	PN-2 NUT GRINDER HTi-LS SCALE		V-1PH . 20V 1.42	20A-2P 6-2 20A-1P 5-2			GLORY	C1-300 CASHINFINITY CASH REVOLUTION	CASH ACOUNTABILITY CASH ACOUNTABILITY	120V 8.5 120V	20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (NOT ON UPS) GENERATOR CKT (NOT ON UPS)
HENNY PENNY HENNY PENNY	HEC 103 HEC 104	KITCHEN KITCHEN	208V-1PH 13.5 20A-2P 208V-1PH 18.9 30A-2P	6-20 CORD AND PLUG FURNISHED WITH UNIT 6-30 CORD AND PLUG FURNISHED WITH UNIT									TIDEL	SAFE	CASH ACOUNTABILITY	120V .	20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	VERIFY WITH MANUFACTURER
HENNY PENNY HENNY PENNY HENNY PENNY	HEC 123 HEC 124 EPC-400	KITCHEN KITCHEN KITCHEN	208V-1PH         9.5         20A-2P           208V-1PH         13.5         20A-2P           208V-1PH         22.0         30A-2P	6-20 CORD AND PLUG FURNISHED WITH UNIT 6-20 CORD AND PLUG FURNISHED WITH UNIT 6-30 CORD AND PLUG FURNISHED WITH UNIT		TRUE BARKER	GDM-49 S47-30 MERCHANDISER WINE CELLAR	WINE AND SPIRITS 1	20V 7.3 20V .	20A-1P 5-1 30A-1P 5-1 20A-1P 5-1	20 CORD AND PLUG FURNISHED WITH UNIT HARD WIRED 20 CORD AND PLUG FURNISHED WITH UNIT		MART CART	XTI 12 HANDICAP CART	VESTIBULES	120V 1.5	20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	
HENNY PENNY HENNY PENNY HENNY PENNY	SCD-6 CHICKEN ROTISSERIE SCD-8 CHICKEN ROTISSERIE SCR-8 CHICKEN ROTISSERIE	KITCHEN KITCHEN KITCHEN	208V-1PH 11.0 20A-2P 208V-1PH 11.0 20A-2P 208V-3PH 33.6 50A-3P	6-20 CORD AND PLUG FURNISHED WITH UNIT 6-20 CORD AND PLUG FURNISHED WITH UNIT 15-50 CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP SHUNT TRIP SHUNT TRIP		RACK	WINE AND SPIRITS 1	20V .	20A-1P 5-2	20 CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (ON UPS); 4PLEX							
STRUCTURAL CONCEPTS	HOT ITALIAN CASE HOT KITCHEN CASE	KITCHEN KITCHEN	208V-1PH 69.0 80A-2P 208V-1PH 69.0 80A-2P	VERIFY FIELD VERIFY ELECTRICAL REQUIREMENTS VERIFY FIELD VERIFY ELECTRICAL REQUIREMENTS	1-1/2" STUBUP IN PEDESTAL 1-1/2" STUBUP IN PEDESTAL	GOLD MEDAL PROD. CO.	ODYSSEY POPPER	SWEETS SHOP 208	V-1PH 24.0		-30 CORD AND PLUG FURNISHED WITH UNIT		AHT TRUE	AC XL SLIM GDM-41SL	CENTER STORE CENTER STORE	120V 11.5 120V 8.8	20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	
HARDT HARDT ALTO-SHAAM	BLAZE ROTISSERIE INFERNO WG ROTISSERIE AR-7H ROTISSERIE	KITCHEN KITCHEN KITCHEN	120V 15.0 20A-1P 120V 7.5 20A-1P 208V-1PH 8.5 20A-2P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 6-20 CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP SHUNT TRIP	GOLD MEDAL PROD. CO.  GOLD MEDAL PROD. CO.  GOLD MEDAL PROD. CO.	CARAMEL CORN CHEESE CORN TUMBLER CHEESE WARMER	SWEETS SHOP 1	V-1PH 14.2 20V 3.1 20V 2.7	20A-2P L14 20A-1P 5- 20A-1P 5-			TRUE (varies)	TAC-48  SALAD BAR  BULK WATER MACHINE	CENTER STORE CENTER STORE CENTER STORE	208V-1PH 12.0 VERIFY . 120V .	20A-2P 6-20 VERIFY 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT HARD WIRED - FIELD VERIFY CONNECTION CORD AND PLUG FURNISHED WITH UNIT	VERIFY WITH MANUFACTURER VERIFY LOCATION
ALTO-SHAAM WOODSTONE HATCO	750-TH-II COOK AND HOLD OVEN PIZZA OVEN	KITCHEN KITCHEN	120V 14.2 20A-1P 120V 1.1 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT HARD WIRED	SHUNT TRIP SHUNT TRIP	GROEN SHARP	FUDGE KETTLE 80" TV	SWEETS SHOP 1 SWEETS SHOP 1	20V 1.8 20V .	20A-1P 5-2 20A-1P 5-2	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT	VERIFY MOUNTING HEIGHT							
HATCO HATCO	TQ-800H TOASTER DL-500-RTL HEAT LAMPS GLO-RAY HEAT RAIL	KITCHEN KITCHEN KITCHEN	208V-1PH         16.0         20A-2P           120V         .         20A-1P           120V         12.8         20A-1P	HARD WIRED; 250 WATTS PER LAMP 5-20 CORD AND PLUG FURNISHED WITH UNIT	SWITCH LOCATED IN KITCHEN	TRAULSEN TRAULSEN AMANA	G22000 series REACH-IN FREEZER TU044HT U.C. REFRIGERATED UNIT MICROWAVE	SWEETS SHOP 1	20V 11.2 20V 6.3 20V .	20A-1P 5-2 20A-1P 5-2 20A-1P 5-3	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT		ENVIPCO ENVIPCO	CF 1500C (cans) CF 1500C (cans)	CAN REDEMPTION CAN REDEMPTION	208V-3PH	20A-3P L15-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	STANDARD OPTIONAL
HATCO WILBUR CURTIS WILBUR CURTIS	FSHC-7W1-EE HOLDING CABINET CAPPUCCINO COFFEE BREWER	KITCHEN KITCHEN KITCHEN	120V 9.3 20A-1P 120V 15.0 20A-1P 208V-1PH 31.7 50A-2P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT L14-50 CORD AND PLUG FURNISHED WITH UNIT									ENVIPCO ENVIPCO	CF 1500G (glass) CF 1500G (glass) CF 1500P (plastic)	CAN REDEMPTION CAN REDEMPTION CAN REDEMPTION	208V-3PH	20A-3P L15-20 20A-1P 5-20 20A-3P L15-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	STANDARD OPTIONAL STANDARD
CORNELIUS CORNELIUS	CCM1030 ICE CUBER / 0630R WCC-700A ICE MAKER	KITCHEN KITCHEN	208V-1PH 13.8 20A-2P 120V 3/4 hp 20A-1P	6-20 PROVIDE CORD AND PLUG HARD WIRED	May Marca	TRAULSEN	TU100HT REFRIGERATED UNIT	SIMPLE FIX ROOM 1	20V 6.3	20A-1P 5-3	20 CORD AND PLUG FURNISHED WITH UNIT		ENVIPCO	CF 1500P (plastic)	CAN REDEMPTION	120V .	20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	OPTIONAL
GLOBE GLOBE ZUMEX	SP5 POWER MIXER SP20 MIXER PODIUM JUICER	KITCHEN KITCHEN KITCHEN	120V 6.7 20A-1P 120V 10.0 20A-1P 120V 2.7 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT	1/2 hp MOTOR  3/4 hp MOTOR	ZUMMO	Z40 JUICER	JUICE ISLAND 1	20V 2.4	20A-1P 5-			(varies)	REFRIGERATOR	CLINIC	120V .	20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT	HOSPITAL GRADE DEVICE; AC CABLE
ZUMEX ACCUTEMP SOUTHERN PRIDE	MULTIFRUIT JUICER  E6 STEAMER  SC-200SM SMOKER	KITCHEN KITCHEN KITCHEN	120V 7.3 20A-1P 208V-3PH 28.0 30A-3P 208V-1PH 24.0 30A-2P	5-20 CORD AND PLUG FURNISHED WITH UNIT L15-30 CORD AND PLUG FURNISHED WITH UNIT 6-30 CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP SHUNT TRIP: 4 WIRE	NUTRIFASTER	N450 JUICER	JUICE ISLAND 1	20V 10.0	20A-1P 5-3	20 CORD AND PLUG FURNISHED WITH UNIT		(varies)	FREEZER MOTORIZED GRILLE KIOSK	CLINIC CLINIC	120V	20A-1P 5-20 20A-1P 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT HARD WIRED CORD AND PLUG FURNISHED WITH UNIT	HOSPITAL GRADE DEVICE; AC CABLE PROVIDE KEYED AND BYPASS SWITCHES
SOUTHERN PRIDE AMANA	SRG-400 SMOKER ACE14 CONVECTION OVEN	KITCHEN KITCHEN	120V 15.0 20A-1P 208V-1PH 16.0 20A-2P	5-20 PROVIDE CORD AND PLUG 6-20 CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP; CORD PROVIDED BY	TRAULSEN	ULT72 FREEZER		20V 8.0	2011 11	20 CORD AND PLUG FURNISHED WITH UNIT			SOLENOID VALVE AT RESTROOM RACK	CLINIC CLINIC	120V	20A-1P	SEE PLBG DRAWINGS FOR LOCATIONS HOSPITAL GRADE DEVICE; AC CABLE	CONTROLLED BY SWITCH GENERATOR CKT (NOT ON UPS)
AMANA AMTECKO LAKESIDE	MICROWAVE SOUP BAR PLATE LOWERATOR	KITCHEN KITCHEN KITCHEN	120V 8.3 20A-1P 208V-1PH . VERIFY 120V 3.75 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT  VERIFY FIELD VERIFY ELECTRICAL REQUIREMENTS  5-20 CORD AND PLUG FURNISHED WITH UNIT		VITAMIX  ZUMEX  CITRO CASA	BLENDER JUICER 8000XB	CUSTOM CUT 1	20V 15.0 20V 7.3 20V 2.4	20A-1P 5- 20A-1P 5- 20A-1P 5-	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT								
BKI TRUE TRUE	BLF-FC AUTOLIFT FRYER GDM-30	KITCHEN KITCHEN KITCHEN	480V-3PH . 30A-3P 120V 2.9 20A-1P 120V 7.3 20A-1P	L22-30 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP	SCOTSMAN HOBART HEAT SEAL	CU0920MA-1 CUBER SCALE WRAPPER	CUSTOM CUT 1	20V 7.6 20V 1.42 20V 6.1	20A-1P 5-2 20A-1P 5-3 20A-1P 5-3	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT		TRUE TRUE	GDM-10-58 GDM-26-LD GDM-30-LD	VARIES VARIES VARIES	120V 5.0 120V 7.2 120V 2.9	20A-1P 5-20 20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	
TURBOCHEF TURBOCHEF	HIGH H DOUBLE BATCH	KITCHEN KITCHEN	208V-1PH 24.0 30A-2P 208V-1PH 44.0 50A-2P	6-30 CORD AND PLUG FURNISHED WITH UNIT 6-50 CORD AND PLUG FURNISHED WITH UNIT		TRAULSEN TRAULSEN	TU072HT REFRIGERATED UNIT G11000 series REFRIGERATOR	CUSTOM CUT 1 CUSTOM CUT 1	20V 6.3 20V 7.5	20A-1P 5-2 20A-1P 5-2	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT		TRUE (varies)	T-35G EWC	VARIES VARIES	120V	20A-1P 5-20 20A-1P 5-20	CORD AND PLUG FURNISHED WITH UNIT CORD AND PLUG FURNISHED WITH UNIT	
CRESCOR BRADLEY WISCO	121-PH 1818-D BAG-IN-A-BOX SHRINK WRAPPER	KITCHEN KITCHEN KITCHEN	120V 16.0 20A-1P 120V . 20A-1P 120V . 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT		TRAULSEN HILL-PHOENIX	G21000 series REFRIGERATOR CWC-3R CASE		20V 7.5 20V 9.6	20A-1P 5-	20 CORD AND PLUG FURNISHED WITH UNIT HARD WIRED		REDBOX LEER	REDBOX L040UAGX ICE MERCHANDISER	VARIES VARIES	120V . 120V .	20A-1P VERIFY 20A-1P 5-20	FIELD VERIFY ELECTRICAL REQUIREMENTS  CORD AND PLUG FURNISHED WITH UNIT	SELF-CONTAINED UNIT
APW WYOTT IMPINGER ROBOT COUPE	W-43V HOT WELL 1132-00-A PIZZA OVEN PROCESSOR	KITCHEN KITCHEN KITCHEN	120V 12.5 20A-1P 208V-3PH 28.0 40A-3P 120V 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT HARD WIRED 5-20 CORD AND PLUG FURNISHED WITH UNIT	SHUNT TRIP	HOWE	ICE ELAKER	BACKROOM 208	V-1PH 10.0	20A-2P VE	RIFY FIELD VERIFY CONNECTION	POWER FROM RACK or PANEL - VERIFY	CHECKSTANDS / CASH REG	STERS / PAY STATIONS / TERMINALS / CRT	710	120V	20A-1P VERIFY	CORD AND PLUG - SEE E4.4 DRAWING	CENERATOR AND THE CHECKITS - SEE
PIPER GALILEO	OP-3 PROOFER SHRINK WRAPPER	KITCHEN KITCHEN	208V-1PH 40.0 50A-2P 208V-1PH 14.0 20A-2P	HARD WIRED 6-20 PROVIDE 10'-0" SO CORD WITH MATCHING PLUG		DARLING TOYOTA	GREASE CADDY  PALLET JACK BATTERY CHARGER	BACKROOM 1 BACKROOM 208	20V	20A-1P 5-2 20A-2P 6-3	20 CORD AND PLUG FURNISHED WITH UNIT 20 CORD AND PLUG FURNISHED WITH UNIT		CHECKO MANDO / GAGII NEG	TEROTTAL STATIONS / TERMINALS / ORT			2077-11	OND MID I EOO - OLE ET. FORMING	CENTER AND OF CHICAGO SEE
AVERY BERKEL LOCKWOOD SILESIA-VELOX	6115-B23 PIZZA SCALE CA71-PFIN-CDD-R HOLDING CABINET PANINI CG-1	KITCHEN KITCHEN KITCHEN	120V         1.0         20A-1P           120V         15.0         20A-1P           208V-1PH         11.0         20A-2P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 6-20 CORD AND PLUG FURNISHED WITH UNIT		(varies) (varies) NORDOCK	WATER SOFTENER  RO EQUIPMENT  MODEL ND HYDRAULIC DOCK	BACKROOM 1	20V . 20V . 20V .	20A-1P 5-: 20A-1P 5-: 20A-1P	EU CONSTINSTEUCTONNONES WITH ONLY	4PLEX 4PLEX SEE DETAIL							
SHELLEYSTEEL SHELLEYSTEEL TOWN	SH-3 HOT CASE SH-4 HOT CASE MBR-42 BBQ RANGE	KITCHEN KITCHEN KITCHEN	208V-1PH 20.0 30A-2P 208V-1PH 26.0 50A-2P 	14-30 CORD AND PLUG FURNISHED WITH UNIT 14-50 CORD AND PLUG FURNISHED WITH UNIT NO ELECTRICAL	GAS SHUTOFF VALVE TO F.A. PANEL		FLOOR MACHINE FLYTRAP RACK (@ SCAN ROOM)	BACKROOM 1	20V . 20V . 20V .	20A-1P 5-3 20A-1P 5-3 20A-1P 5-3	20 CORD AND PLUG FURNISHED WITH UNIT	GENERATOR CKT (ON UPS): 4PLEX							
TOWN EVO	MBR-72C BBQ RANGE AFFINITY 30Ge DROP-IN GAS	KITCHEN KITCHEN	 120V 1.5 20A-1P	NO ELECTRICAL HARD WIRED	GAS SHUTOFF VALVE TO F.A. PANEL SHUNT TRIP		MACK (IE SCAN ROOM)	DAGINGOW!		200-11	SOND AND FEGGT ONNIGHED WITH ONLY	CENTROL ON (ON OF 6), HEEX							
		KITCHEN KITCHEN KITCHEN	120V . 20A-1P 120V . 20A-1P 120V . 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT															
	POS AND PRINTER PRINTER FLYTRAP	KITCHEN KITCHEN KITCHEN	120V . 20A-1P 120V . 20A-1P 120V . 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT															
SAMSUNG SAMSUNG	40" LED DIGITAL MENU DISPLAY 55" LED DIGITAL MENU DISPLAY	KITCHEN KITCHEN	120V . 20A-1P 120V . 20A-1P 120V . 20A-1P	5-20 CORD AND PLUG FURNISHED WITH UNIT 5-20 CORD AND PLUG FURNISHED WITH UNIT															
													REFER TO EQUIP	MENT DRAWINGS (EQ1), T	HE EQUIPMENT B	OOK, and DRAWINGS	E0.0 thru E0.3 FOR ADD	ITIONAL INFORMATION AND DETA	MILS
	•			· · · · · · · · · · · · · · · · · · ·		<u> </u>		<del></del>	<u> </u>	1	•								



(NEW)

(NEW)

2

(NEW)

2

1 ELECTRICAL ONE-LINE NTS

AMPS

AMPS

AMPS

AMPS

3000.00

TOTAL AMPACITY

SPARE CAPACITY

SERVICE AMPACITY

\*PER UTILITY COMPANY BILLING PEAK DEMAND OF: 106KW JUNE 2020

1133.97

1200.00

**ELECTRICAL UTILITY CONTACT NOTE:** 

**UTILITY COMPANY: EVERGY** UTILITY CONTACT: RON DEJARNETTE PHONE: (816) 347-4316 EMAIL: ron.dejarnette@evergy.com

FAULT CURRENT GENERAL NOTE (UTILITY VALUE):

THE MAXIMUM AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT VALUE AT THE UTILITY TRANSFORMER SECONDARY/POINT OF SERVICE SERVING MDP1 IS 79,902A BASED ON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY.

THE MAXIMUM AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT VALUE AT THE UTILITY TRANSFORMER SECONDARY/POINT OF SERVICE SERVING MDP2 IS 56,077A BASED ON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY.

CONTRACTOR SHALL VERIFY ACTUAL AVAILABLE FAULT CURRENT VALUE WITH UTILITY PRIOR TO BEGINNING CONSTRUCTION. NOTIFY ENGINEER IF ACTUAL VALUE EXCEEDS DESIGN VALUE.

### ONE-LINE DIAGRAM GENERAL NOTES (REMODEL):

- COORDINATE WORK WITH ARCHITECTURAL PHASING DRAWINGS TO PROPERLY STAGE TRANSITION TO PROVIDE POWER TO EXISTING. NEW AND TEMPORARY LOADS. MONITOR LOADS ON DISTRIBUTION SYSTEM TO MAKE SURE SHIFTING OF LOADS DOES NOT OVERLOAD ELECTRICAL EQUIPMENT.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTING AIC/SCCR RATING OF EACH PANELBOARD/SWITCHBOARD, ALL NEW AND EXISTING OVER-CURRENT PROTECTION DEVICES (CIRCUIT BREAKERS AND FUSES) MUST HAVE AN AIC/SCCR RATING EXCEEDING THE AVAILABLE FAULT CURRENT AT THAT POINT IN THE SYSTEM. NOTIFY THE OWNER AND THE ENGINEER IF THE EXISTING EQUIPMENT DOES NOT COMPLY WITH THIS REQUIREMENT.
- VERIFY THE INTEGRITY OF THE EXISTING GROUNDING ELECTRODE SYSTEM AND THAT THE NEUTRAL AND GROUND ARE PROPERLY BONDED TOGETHER AT THE POINT OF SERVICE ENTRANCE. NOTIFY THE LANDLORD, OWNER AND THE ENGINEER OF ANY EXISTING DEFICIENCIES.
- AS APPLICABLE, OBTAIN THE FOLLOWING INFORMATION IN REGARD TO THE EXISTING ELECTRICAL SERVICE AND DISTRIBUTION SYSTEM AND REPORT FINDINGS TO THE ENGINEER FOR ANALYSIS PRIOR TO BEGINNING CONSTRUCTION:
- A. AVAILABLE FAULT CURRENT DELIVERED BY THE UTILITY COMPANY AT THE POINT OF SERVICE. INCLUDE THE AVAILABLE FAULT CURRENT

X F33

V204C (4)300kcmil, (1)#3 G, 3" C

V354C (2) 2-1/2"C, EACH W/ (4)250kcmil, (1)#3 G V404C (2) 3"C, EACH W/ (4)300kcmil, (1)#1/0 G

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DELIVERED TO THE TENANT SPACE BY THE LANDLORD'S DISTRIBUTION SYSTEM. AIC/SCCR RATING AT EACH EXISTING SWITCHBOARD/PANELBOARD.

" SUPPLIED BY UPSTREAM

PROVIDE ANY AVAILABLE SPACE IN SWITCHBOARDS/PANELBOARDS WITH BUSSING.

PROVIDE (4) EMPTY 1" CONDUITS WITH PULL STRINGS FROM EACH RECESSED PANELBOARD UP TO ACCESSIBLE CEILING SPACE. CAP AND LABEL CONDUITS FOR FUTURE USE.

ONE-LINE DIAGRAM SUPPLEMENTAL SPECIFICATIONS:

OVERSIZED LUGS OR NON-STANDARD PRODUCT MAY BE

BREAKERS, AND OTHER ELECTRICAL DEVICES TO

PROVIDE PROPERLY SIZED LUGS FOR ALL EQUIPMENT, CIRCUIT

ACCOMMODATE INSTALLED CONDUCTORS, A LARGER FRAME.

REQUIRED IN SOME INSTANCES. UTILIZE PIN ADAPTERS ONLY IF

NECESSARY AND ONLY AS ALLOWED BY MANUFACTURER AND

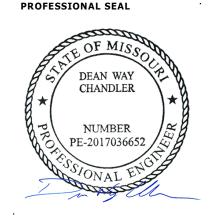
PROVIDE TYPED FINAL CIRCUIT DIRECTORY FOR ALL PANELBOARDS TO REFLECT ACTUAL AS-BUILT CONDITIONS. COORDINATE FINAL ROOM NAMES, NUMBERS AND DESCRIPTIONS WITH OWNER PRIOR TO COMPLETION. CIRCUIT DESCRIPTIONS SHALL BE PER CODE AND SHALL BE DISTINGUISHABLE FROM ALL OTHERS.

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

REVISION

EXPIRES 12/31/2020

1950003081 MO. CORPORATE NO: E-556D

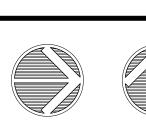


Oct 23 2020 DEAN W. CHANDLER LICENSE # PE-2017036652



400A 100A 100A

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PLAN NORTH

FEEDER RISER DIAGRAM

DRAWN BY: HENDERSON 10/19/2020 SCALE: JOB NUMBER AS NOTED 62930547

SERVICE AMPACITY

SPARE CAPACITY

\*PER UTILITY COMPANY BILLING PEAK DEMAND OF: 667KW JULY 2019

BUS MAIN VOLT	NELBOARD: E (EXISTING) AMPS: 225A I SIZE/TYPE: MLO IS/PHASE: 208Y/120V, 3PH, 4W IION: 1	)			AIC RA SERV	ROM: ATING: ES: KIT ITING: F TION: D	CHE	EN/D	ELI ED	MDP1 OR TO \	/ERIFY AND	) NOTIFY EOF	2	EQUIPMENT GROUN	ND BU
СКТ	DESCRIPTION	VOI	TAMPS/PH	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOI	TAMPS/PHA	SF	DESCRIPTION	Ск
NO.		А	В	С	NO.	AMP			AMP	NO.	Α	В	С	1	NO
1		3,759						2	50	6	3,445			HICKORY HOUSE HOT CASE 2	2
3	DELI BOOSTER HEATER	0,700	3,759		8	40	3	_			0,110	3.445			4
5			0,100	3,759	_			1	20	12		0,110	720	KITCHEN ROTISSERIE	6
7	HIBACHI 10' COLD CASE	270		0,1.00	12	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	12	1.400			KITCHEN HEAT RAIL	14
15	DELI DISHWASHER EX FAN EF5		1.000		EX	20	1	1	20	12	.,	1,176		KITCHEN REF TABLE (BACK RM)	10
17	WEST BAKERY FRZR FANS		,	1.000	EX	20	2	1	20	EX		,	500	EXISTING LOAD	18
19		1,000		,				1	20	EX	500			EXISTING LOAD	20
21	BAKERY WEST COIL FRZR FANS	,	500		EX	20	1	1	20	12		360		KITCHEN CONV RCPT 1	2
23	JUICE BAR ISO GROUND			500	EX	20	1	1	20	12			540	KITCHEN CONV RCPT 2	24
25	JUICE BAR RCPT	500			EX	20	1	2	30	EX	2,496			HOT WELLS	20
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	1		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	30
37		7,475						1	20	10	1,920			KITCHEN HOLDING CABINET	38
39	EXISTING LOAD		500		EX	20	1	1	20	12		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		LOA	AD			CONN. VA	DF		
	AMPS 228	COOLING				1.00		REF	FRIG				1.00		
	TOTAL PHASE B - VA 19,489	HEATING				0		SIG	N/DISF	•			1.25		
	AMPS 162	LIGHTING				1.25		KIT	CHEN			34,656	0.65		
	TOTAL PHASE C - VA 17,994	RECEPTA	CLES	900		1.0/.5		EXI	STING			17,992	1.00		
	AMPS 150	MOTORS		11,277		1.00		LRC	3 МОТ	OR			1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 64,825	SUPP HEA	<b>λ</b> Τ			1.00		SHO	NW WC	1DW			1.25	52,695 VA	<u> </u>
	AMPS 180	MISC EQL	JIP			1.00		I TO	TRAC	ĸ			1.00	146 A	

	BUS A MAIN /OLT	IELBOARD: H (EXISTING)  MPS: 225A  SIZE/TYPE: MLO  S/PHASE: 208Y/120V, 3PH, 4W  ION: 1				SERV MOUN	ATING:	SUR	& SE. RFAC	AFOOD E	MDP1 Y RATEI ) POWE				EQUIPMENT GROUN	D BUS
Γ	CKT	DESCRIPTION	VOL	TAMPS/PH	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PH/	ASE	DESCRIPTION	СКТ
- 1	NO.		А	В	С	NO.	AMP			AMP	NO.	Α	В	С	_	NO.
Г	1		1.921						1	20	EX	500			CORD DROP	2
χŀ	3	MEAT SAW	.,	1.921		EX	20	3	1	20	EX		500		CORD DROP	4
$\cap$	5			.,02.	1.921				1	20	EX			500	EXISTING LOAD	6
f	7		4.803		1,021				1	20	EX	1,200			MEAT PREP FANS	8
χŀ	9	TRASH COMPACTOR	,	4.803		EX	50	3	1	20	EX	,	1,200		MEAT PREP DISPOSAL	10
1	11			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4.803	-			1	20	EX		1,200	500	SERVICE MEAT RCPT	12
R	13	UH-4 (ELEC ROOM)	500		1,000	12	20	1	1	20	EX	500			MEAT WRAPPER	14
vŀ		SPARE					20	1	1	20	EX		500		S MEAT PREP SPARE	16
χİ	17	EXISTING LOAD			500	EX	20	1	1	20	EX			500	S MEAT PREP SPARE	18
t	19		367						1	20	EX	500			PNL Q CONTACTOR	20
Νİ	21	BAKERY VARIA PRO SLICER		367		12	20	3					4,491			22
1	23				367	-			3	50	6		,,,,,,	4,491	MAU-2 FANS	24
χİ	25	RCPT - ALARM BY COMPACT.	500			EX	20	1	1			4,491		,		26
кļ	27	BAKERY SCREENS		360		12	20	1	1	20	12	, -	725		DELI CHEESE HEAT WRAP	28
vľ	29	SPARE					20	1	1	20	12			500	DELI CHEESE SLICER 1	30
t	31		1,345						1	20	12	500			DELI CHEESE SLICER 2	32
Νİ	33	MAU-2 CONDENSERS 1	,	1,345		12	20	3	1	20	EX		500		MEAT & CHEESE RCPT	34
f	35			•	1,345				2	20	EX			1,000	PANINI PRESS	36
f	37		2,570		,				1			1,000				38
R	39	MAU-2 CONDENDERS 2	,	2,570		10	30	3	1	20	EX		500		DELI FLOOR RCPT	40
T	41				2,570				1	20	EX			500	MEAT & CHEESE RCPT FLOOR	42
Ī		SUBTOTAL	12,006	11,366	11,506							8,691	8,416	7,991	SUBTOTAL	1
Г		TOTAL PHASE A - VA 20.697	LOAD		CONN. VA		DF		LO	AD.	<u> </u>		CONN. VA	DF		
ŀ		AMPS 172	COOLING		001	•	1.00		_	FRIG				1.00	†	
ŀ		TOTAL PHASE B - VA 19,782	HEATING				0		-	N/DISF	,			1.25		
t		AMPS 165	LIGHTING				1.25			CHEN			2,826	0.80		
t		TOTAL PHASE C - VA 19,497	RECEPTA		360		1.0/.5		_	STING			31,072	1.00		
t		AMPS 162	MOTORS		25,218		1.00			G MOTO			01,012	1.25	TOTAL DEMAND	7
t		TOTAL PNLBD - VA 59,976	SUPP HEA	۸T	500		1.00			OW WN				1.25	59,411 VA	1
t		AMPS 166	MISC EQU				1.00			G TRAC				1.00	165 A	-
	PANE	LBOARD NOTES			1		1		1					1.00	100 /	

BUS MAIN VOLT	NELBOARD: CL (NAMPS: 100A SIZE/TYPE: MLO S/PHASE: 208Y/120V, 3PH, TION: 1	•				SERVI	ROM: ATING: ES: CLII ITING: F TION: C	NIC RECI	ESS	ED		/I FULLY RA	TED		LINE-SIDE LUGS: MECH EQUIPMENT GROU	
CKT	DESCRIPTION	١	VOL	TAMPS/PH	IASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PH	ASE	DESCRIPTION	CK
NO.			A	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO
1								1	1							2
3								1	1							4
5								1	1							6
7								1	1							8
9								1	1							10
11								1	1							12
13								1	1							14
15								1	1							16
17								1	1							18
19								1	1							20
21								1	1							22
23								1	1							24
25								1	1							26
27								1	1							28
29								1	1							30
31	CLINIC SCREEN		180			12	20	1	1	20	12	720			EXAM 1 RCPTS 1	32
33	NURSE CALL			500		12	20	1	1	20	12		360		EXAM 1 RCPTS 2	34
35	LAB RCPTS 1				720	12	20	1	1	20	12			720	EXAM 2 RCPTS 1	36
37	LAB RCPTS 2		540			12	20	1	1	20	12	360			EXAM 2 RCPTS 2	38
39	LAB DATA RACK 1			500		12	20	1	1	20	12		360		CLINIC HALLWAY/RR RCPTS	40
41	LAB DATA RACK 2				500	12	20	1	1	20	12			900	CLINIC RECEPTION DESK	42
	SUBTOTAL		720	1,000	1,220							1,080	720	1,620	SUBTOTAL	
	TOTAL PHASE A - VA	1,800	LOAD		CONN. VA	<b>\</b>	DF		LOA	٩D			CONN. VA	DF		
	AMPS	15	COOLING				1.00			FRIG				1.00		
	TOTAL PHASE B - VA	1,720	HEATING				0		SIG	N/DISF	)			1.25		
	AMPS	14	LIGHTING				1.25			CHEN				1.00		
	TOTAL PHASE C - VA	2,840	RECEPTA	CLES	6,360		1.0/.5			STING				1.00		
	AMPS	24	MOTORS				1.00			G MOT				1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA	6,360	SUPP HEA				1.00			NW WC				1.25	6,360 V	
	AMPS	18	MISC EQI	JIP			1.00		LTG	TRAC	K			1.00	18	3 A

BUS MAIN VOL	NELBOARD: F (EXISTING AMPS: 225A N SIZE/TYPE: MLO TS/PHASE: 208Y/120V, 3PH, 4W TION: 1	<b>5</b> )			SERV	ROM: ATING: ES: DEI ITING: I TION: D	REC	ESS	ED	MDP1 Y RATE	D			EQUIPMENT GROUI	ND BU
CKT	DESCRIPTION		TAMPS/PI		WIRE	BKR AMP	Р	Р	l	WIRE		TAMPS/PH		DESCRIPTION	Ck
NO.		A	В	С	NO.	AMP	Ш		AMP	NO.	A	В	С		NO
1		1,681						1	20	EX	500			EXISTING LOAD	2
3	80 QT MIXER		1,681		12	20	3	1	20	EX		500		EXISTING LOAD	- 4
5				1,681				1	20	EX			500	EXISTING LOAD	'
7	BREAD SLICER DROP	500			EX	20	1	1	20	EX	500			EXISTING LOAD	
9	KEF-5		516		12	20	1	1	20	EX		500		EXISTING LOAD	1
11	SPARE					40	2	1	20	EX			500	EXISTING LOAD	1
13								1	20	12	500			BAKERY SCALES 1	1
15	DONUT HOOD		500		EX	20	1	1	20	12		500		BAKERY TABLE RCPT	1
17	RCPT UNDER DONUT HOOD			500	EX	20	1	1	20	12			500	BAKERY TABLE MONITOR	•
19		1,921									1,921				
21	140 QT BAKERY MIXER		1,921		EX	20	3	3	20	12		1,921		BAKERY ROUNDER	
23				1,921	7								1,921		
25	EXISTING LOAD	2,880			EX	30	1	1	20	EX	500			EXISTING LOAD	1
27	30 QT MIXER		1,664			20	1	1	20	12		360		BAKERY FLOOR BOXES 1	
29			1,001	1,664	1			1	20	12			360	BAKERY FLOOR BOXES 2/SCALE	١;
31		1,921		1,7001				1	20	12	500			BAKERY RACK OVEN CONTROL	
33	BAKERY RACK OVEN	1,021	1,921		12	20	3	1	20	12		500		BAKERY FLOOR SCALES	
35			1,021	1,921	- ·-	20		1	20	EX		000	500	EXISTING LOAD	
37		4.803		1,021				1	20	EX	500			EXISTING LOAD	
39	BAKERY FRYER	4,803	4,803		EX	50	3	1	20	EX	300	500		EXISTING LOAD	
41	BAREKTTIKTER		4,003	4 902		30		1	20	12		300	000	BAKERY SHEETER	-
41	SUBTOTAL	13,706	13,006	<i>4,803</i> 12,490				'	20	12	4,921	4,781	900 5,181	SUBTOTAL	
			,						• • •						
	TOTAL PHASE A - VA 18,627	LOAD		CONN. VA	4	DF	ļ ,	LOA				CONN. VA	DF		
	AMPS 155	COOLING			_	1.00	-		FRIG				1.00		
	TOTAL PHASE B - VA 17,787	HEATING				0	- 1		N/DISF	,			1.25		
	AMPS 148	LIGHTING				1.25			CHEN			20,469	0.65		
	TOTAL PHASE C - VA 17,671	RECEPTA	CLES	720		1.0/.5			STING			32,880	1.00		_
	AMPS 147	MOTORS		516	i	1.00			G MOT				1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 54,085	SUPP HEA	AT TA			1.00		SH	NW WC	1DW			1.25	47,421 V	Ά
	AMPS 150	MISC EQU	JIP			1.00		LTC	3 TRAC	K			1.00	132	Α

BUS MAIN VOL	NELBOARD: K (RELOCA) AMPS: 100A I SIZE/TYPE: MLO FS/PHASE: 208Y/120V, 3PH, 4W TION: 1	ΓED)			SERVI	ATING:	ECK:	STA	NDS &	PNLBE Y RATEI CLEAN				EQUIPMENT GROU	IND BU
СКТ	DESCRIPTION	VOL	TAMPS/PH	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PH	ASE	DESCRIPTION	CK
NO.		А	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO
( 1	MGRS CKT UNIT	500			EX	20	1	1	20	EX	500			RX ISLAND IG RCPT	2
⟨ 3	CUSTOMER SERVICE		500		EX	20	1	1	20	EX		500		2 CUST SERV TERMINALS	4
⟨ 5	CHECKSTAND TERMINAL			1,000	EX	20	1	1	20	EX			500	CHECKSTAND TERMINAL	6
7	CHECKSTAND TERMINAL	1,000			EX	20	1	1	20	EX	500			SECURITY DOOR PEDESTAL	8
( 9	CHECKSTAND TERMINAL		1,000		EX	20	1	1	20	EX		500		DOOR PEDESTAL	10
( 11	SPARE UNDER 7 & 8			500	EX	20	1	1	20	EX			500	COUNTER IG RCPTS CRX	12
13	EXPRESS 9 & 10	1,000			EX	20	1	1	20	EX	1,000			EXPRESS 7-8	14
15	CHECKSTAND		1,000		EX	20	1	1	20	EX		1,000		CHECKSTAND TERMINAL	16
( 17	CHECKSTAND			1,000	EX	20	1	1	20	EX			1,000	CHECKSTAND TERMINAL	18
( 19	CHECKSTAND	1,000			EX	20	1	1	20	EX	1,000			CHECKSTAND TERMINAL	20
<b>( 21</b>	RX REFRIGERATOR RCPT		1.000		EX	20	1	1	20	EX		1.000		CUSTOMER SERVICE	22
( 23	EXISTING LOAD			1,000	EX	20	1	1	20	EX			1,000	DELI REG. SEATING AREA	24
25	RX FAX UNIT RCPT	500		,	EX	20	1	1	20	EX	1,000		<u> </u>	ASST. MGR CRT UNIT	26
⟨ 27	COUNTER IG RCPT		500		EX	20	1	1	20	EX		1.000		CHECKSTAND TERMINAL	28
( 29	DIRECTORS CRT UNIT			500	EX	20	1	1	20	EX			1.000	BOOKKEEPER PRINTER	30
⟨ 31	EXISTING LOAD	500			EX	20	1	1	20	EX	1,000			BOOKKEEPER OFF CRT UNIT	32
33	2 DEPT HEADS OFF CRT UNIT		500		EX	20	1	1	20	EX	,,,,,,	1.000		MMM UNIT RCPT	34
35	TOWER PROCESSOR RCPT			500	EX	20	1	1	20	EX		,,,,,	1.000	SCAN RM CRT UNITS	36
37	SCAN ROOM PRINTERS	500			EX	20	1	1	20	EX	1,000		1,000	BASS UNITS	38
39	SCAN ROOM SCANNER WAND		500		EX	20	1	1	20	EX	1,000	1,000		FLORAL TERMINAL	40
41	ASST. DIR. CRT UNIT			500	EX	20	1	1	20	EX		1,000	1.000	TOWER RM RCPT TAYLOR CTRL	42
Ì	SUBTOTAL	5,000	5,000	5,000							6,000	6,000	6,000	SUBTOTAL	
	TOTAL PHASE A - VA 11,000	LOAD		CONN. V	<u>-</u> Д	DF		LOA	AD			CONN. VA	DF		-
	AMPS 92	COOLING				1.00		REI	FRIG				1.00	7	
	TOTAL PHASE B - VA 11,000	HEATING				0		SIG	N/DISF	,			1.25	†	
	AMPS 92	LIGHTING				1.25			CHEN				1.00	-	
	TOTAL PHASE C - VA 11,000	RECEPTA				1.0/.5		_	STING			35,000	0.80	-	
	AMPS 92	MOTORS				1.00		LRO	З МОТ	OR			1.25	TOTAL DEMAND	$\neg$
	TOTAL PNLBD - VA 33,000	SUPP HEA	١T			1.00			OW WN				1.25	28,000 V	/A
	AMPS 92	MISC EQL				1.00			G TRAC				1.00	78	_

				NTING: S	SUR			ООМ					
VO	LTAMPS/PI	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PHA	ASE	DESCRIPTION	СКТ
A	В	С	NO.	AMP			AMP	NO.	A	В	С		NO.
1,200			EX	20	1	1	20	EX	1,200			SALES AREA LTG	2
	1,200		EX	20	1	1	20	EX		1,200		SALES AREA LTG	4
		1,200	EX	20	1	1	20	EX			1,200	SALES AREA LTG	6
1,200			EX	20	1	1	20	EX	1,200			SALES AREA LTG	8
	1,200		EX	20	1	1	20	EX		1,200		SALES AREA LTG	10
		1,200	EX	20	1	1	20	EX			1,200	SALES AREA LTG	12
1,200			EX	20	1	1	20	EX	1,200			SALES AREA LTG	14
	1,200		EX	20	1	1	20	EX		1,200		SALES AREA LTG	16
		1,200	EX	20	1	1	20	EX			1,200	SALES AREA LTG	18
				20	1	1	20	EX	1,200			SALES AREA LTG	20
				20	1	1	20	EX		1,200		SALES AREA LTG	22
				20	1	1	20	EX			1,200	SALES AREA LTG	24
500			EX	20	1	1	20	EX	1,200			PANEL B CKT 38	26
	1,200		EX	20	1	1	20	EX		1,200		COFFEE GRINDER DROP	28
		1,200	EX	20	1	1	20	EX			1,200	SALES AREA LTG	30
500			EX	20	1	1	20	EX	1,200			SALES AREA LTG	32
				20	1	1	20	EX		1,200		SALES AREA LTG	34
			_	20	1	1	20	EX			1,200	SALES AREA LTG	36
			<b>.</b>	20	1	1	20	EX	1,200			SALES AREA LTG	38
	1,200		EX	20	1	1	20	EX		1,200		SALES AREA LTG	40
4.000	0.000	4.000	-		1	1			0.400	0.400	7.000	EQUIPPED SPACE	42
4,600	6,000	4,800						L	8,400	8,400	7,200	SUBTOTAL	
LOAD		CONN. V	A	DF		LOA	AD			CONN. VA	DF		
COOLING	3			1.00		REI	FRIG				1.00		
HEATING	}			0		SIG	SN/DISF	•			1.25		
LIGHTIN	G			1.25		KIT	CHEN				1.00		
RECEPT	ACLES			1.0/.5						40,600	1.00		
MOTORS	3			1.00		LRO	G MOT	OR			1.25	TOTAL DEMAND	
				1.00							1.25	40,600	O VA
MISC EQ	UIP			1.00		LTC	G TRAC	K			1.00	1:	13 A
	LIGHTING RECEPT MOTORS SUPP HE	LIGHTING	LIGHTING RECEPTACLES MOTORS SUPP HEAT	LIGHTING RECEPTACLES MOTORS SUPP HEAT	LIGHTING         1.25           RECEPTACLES         1.0/.5           MOTORS         1.00           SUPP HEAT         1.00	LIGHTING       1.25         RECEPTACLES       1.0/.5         MOTORS       1.00         SUPP HEAT       1.00	LIGHTING   1.25   KIT   RECEPTACLES   1.0/.5   EX   MOTORS   1.00   LR0   SUPP HEAT   1.00   SH	LIGHTING 1.25 RECEPTACLES 1.0/.5 MOTORS 1.00 SUPP HEAT 1.00 KITCHEN EXISTING LRG MOTO SHOW WN	LIGHTING 1.25 RECEPTACLES 1.0/.5 MOTORS 1.00 SUPP HEAT 1.00 KITCHEN EXISTING LRG MOTOR SHOW WNDW	LIGHTING 1.25 RECEPTACLES 1.0/.5 MOTORS 1.00 SUPP HEAT 1.00 KITCHEN EXISTING LRG MOTOR SHOW WNDW	LIGHTING	LIGHTING         1.25           RECEPTACLES         1.0/.5           MOTORS         1.00           SUPP HEAT         1.00           KITCHEN         1.00           EXISTING         40,600         1.00           LRG MOTOR         1.25           SHOW WNDW         1.25	LIGHTING   1.25   KITCHEN   1.00   EXISTING   40,600   1.00

	BUS /	NELBOARD: G (EXISTING)  AMPS: 225A  SIZE/TYPE: MLO				SERV	ATING: ES: ME	AT 8	& SE	AFOOD	MDP1 Y RATED POWE				EQUIPMENT GROUN	D BUS
- 1		S/PHASE: 208Y/120V, 3PH, 4W (ION: 1					NTING: Tion: E			CAL RC	ОМ					
Γ	CKT	DESCRIPTION	VOL	TAMPS/PI	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOI	TAMPS/PH	ASE	DESCRIPTION	СКТ
L	NO.		Α	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO.
хΓ	1	SERVICE MEAT RCPT	500			EX	20	1	1	20	12	180			MEAT/SF SCALE	2
χĖ	3	MD MEAT RCPT		500		EX	20	1	1	20	12		360		MEAT/SF MENU SCREENS	4
R	5	PRODUCE TRIM HEAT WRAP			725	12	20	1	1	20	12			725	MEAT/SF HEAT SEAL WRAP	6
R	7	PRODUCE TRIM RCPT/SCALE	540			12	20	1	1	20	12	180			MEAT/SF CONV RCPT 1	8
x	9	SERVICE MEAT SCALE IG		500		EX	20	1	1	20	12		696		SALES FLOOR COOLER 1	10
₹	11	PRODUCE MISTER			180	12	20	1	1	20	12			696	SALES FLOOR COOLER 2	12
R	13	EF-12 CUSTOMER RRS	768			12	20	1	1	20	12	696			SALES FLOOR COOLER 3	14
R	15	SALES FLOOR BULK WATER		696		12	20	1	1	20	12		696		SALES FLOOR COOLER 4	16
R	17	BAKERY CASE LTS			500	12	20	1	1	20	12			696	SALES FLOOR COOLER 5	18
xΓ	19	SPARE					20	2	1	20	12	456			SALES FLOOR COOLER 6	20
	21								1	20	12		180		DELI CHEESE SCREEN	22
	23	EQUIPPED SPACE						1	1	20	12			360	DELI CHEESE CONV RCPTS	24
	25	EQUIPPED SPACE						1	1	20	12	360			ROOFTOP RCPTS 1	26
ΧĹ	27	SERVICE SEAFOOD CASE		500		EX	20	1	1	20	12		540		ROOFTOP RCPTS 2	28
ΧĹ	29	MEAT GRINDER RCPT			500	EX	20	1	1	20	EX			500	N ROOF TOP GFI	30
ΧĹ	31	FAT TESTER	500			EX	20	1	1	20	EX	500			N ROOF TOP SMOKE DET.	32
ΧĹ	33	MEAT/CHEESE WALL OUTLETS		500		EX	20	1	1	20	EX		500		FISH DEPT EXH FAN EF10	34
ΧĹ	35	SPARE ABOVE MEAT/CHEESE			500	EX	20	1	1	20	12			360	DELI CHEESE SCALE 1	36
ΧĹ	37	RCPT ON WALL MOTOR RM	500			EX	20	1	1	20	12	180			DELI CHEESE SCALE 2	38
	39	EQUIPPED SPACE						1	1						EQUIPPED SPACE	40
ΧĹ	41	SALAD PREP LTG			1,700	EX	20	1	1						EQUIPPED SPACE	42
L		SUBTOTAL	2,808	2,696	4,105	]						2,552	2,972	3,337	SUBTOTAL	
		TOTAL PHASE A - VA 5,360	LOAD		CONN. VA	٩	DF		LO	AD			CONN. VA	DF		
L		AMPS 45	COOLING	i			1.00		RE	FRIG				1.00		
L		TOTAL PHASE B - VA 5,668	HEATING				0		SIG	N/DISF	•			1.25		
L		AMPS 47	LIGHTING		1,700		1.25			CHEN			2,170	0.70		
L		TOTAL PHASE C - VA 7,442	RECEPTA	CLES	7,152		1.0/.5		EX	ISTING			6,500	1.00		_
L		AMPS 62	MOTORS		768		1.00		LR	G MOTO	DR			1.25	TOTAL DEMAND	
		TOTAL PNLBD - VA 18,470	SUPP HE	ΑT			1.00			OW WN				1.25	18,244 VA	-
		AMPS 51	MISC EQU	JIP	180		1.00		LTO	G TRAC	K			1.00	51 A	

BUS A MAIN VOLTS	IELBOARD: KP (I MPS: 125A SIZE/TYPE: 125A MCB S/PHASE: 208Y/120V, 3PH, ION: 1	·				SERV	ROM: ATING: ES: PHA ITING: R TION: PH	RMA ECE	CY SSED	10% MIN	IDP1 NIMUM				LINE-SIDE LUGS: MEC EQUIPMENT GRO	
CKT	DESCRIPTION	N	VOL	TAMPS/Ph	HASE	WIRE		Р	РВ		/IRE	VOL	TAMPS/PH	ASE	DESCRIPTION	СКТ
NO.			A	В	С	NO.	AMP		Al	MP N	۱O.	Α	В	С		NO
1								1	1							2
3								1	1							4
5									1							6
7									1							8
9									1							10
11									1							12
13 15						-		- +	1							14 16
17								-+	1		-					18
19								-+	1							20
21								-+	1							22
23								1	1							24
25								1	1							26
27								1	1							28
29								1	1							30
31								1	1							32
33								1	1							34
35									1							36
	PNLBD CL		1,800			ļ <u>.</u> .		- ⊢	1							38
39				1,720	0.000	OL	50	-	1							40
41	SUBTOTAL		1,800	1,720	2,660 2,660				1		-				SUBTOTAL	42
-				1,720											OODTOTAL	
	TOTAL PHASE A - VA	1,800	LOAD		CONN. VA	١	DF		LOAD				CONN. VA			
	AMPS TOTAL PHASE B - VA	15	COOLING				1.00	_	REFRI SIGN/I					1.00		
	AMPS	1,720 14	HEATING LIGHTING				1.25	- 1	KITCH					1.25		
	TOTAL PHASE C - VA		RECEPTA		6,180		1.0/.5	-	EXIST					1.00		
	AMPS	22	MOTORS	<u> </u>	0,100		1.07.3			OTOR	1			1.00	TOTAL DEMAND	$\neg$
	TOTAL PNLBD - VA		SUPP HEA	ΛT.			1.00			/ WND\				1.25	6,180	VA
	AMPS	17	MISC EQL				1.00			RACK				1.00		17 A
PANE	LBOARD NOTES						•	•			•			•		

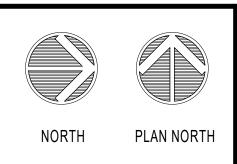
ABBREVIATIONS	V1.
ARC FAULT CIRCUIT INTERRUPTER.  C# CIRCUIT VIA LIGHTING CONTACTOR #.  CL CIRCUIT VIA CURRENT LIMITING DEVICE.  D DISCONNECT CIRCUITRY FOR REMOVED LOAD, UPDATE CIRCUIT DIRECTORY TO SPARE AND TURN OFF.  EM EMERGENCY LIGHTING HANDLE-ON CLAMP.  EX EXISTING.  FUTURE LOAD; NOTE AS SPARE AND TURN OFF.  FA RED/HANDLE-ON CLAMP.  GF GROUND-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER (5 mA).  GFEP GROUND FAULT EQUIPMENT PROTECTION BREAKER (30 mA).  HT PROVIDE HANDLE-TIE FOR MULTI-WIRE BRANCH CIRCUIT PER CODE.  G ISOLATED GROUND CIRCUIT.  # LIGHTING CONTROL SCHEME NUMBER.	LCK HANDLE PADLOCKABLE-OFF DEVICE.  LO HANDLE-ON CLAMP.  N PROVIDE NEW CIRCUIT BREAKER.  OL REFER TO ELECTRICAL ONE-LINE/RISER DIAGRAM.  PS POWER-SWITCHING CIRCUIT BREAKER.  PSE EMERGENCY POWER-SWITCHING CIRCUIT BREAKER.  R REUSE EXISTING CIRCUIT BREAKER FOR NEW/REVISED LOAD.  CIRCUIT VIA RELAY PANEL.  ST SHUNT TRIP CIRCUIT BREAKER.  V VERIFY EXISTING LOAD AND UPDATE DIRECTORY, IF UNUSED, NOTE AS SPARE AND TURN OFF.  VD BRANCH CIRCUITRY HAS BEEN UPSIZED TO REDUCE VOLTAGE DROP. ADJUST GROUND WIRE SIZE PER CODE. PROVIDE LUG ADAPTORS IF REQUIRED.  Z CORRECT/REPAIR EXISTING HAZARD TO MAKE CODE COMPLIANT INSTALLATION.

8345 LENEXA DRIVE, SUITE 300 LENEXA, KS 66214 TEL 913.742.5000 FAX 913.742.5001

REVISION

1950003081 MO. CORPORATE NO: E-556D EXPIRES 12/31/2020 PROFESSIONAL SEAL DEAN W. CHAN DE \$23 2020 LICENSE # PE-2017036652

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ELECTRICAL PANEL SCHEDULES

DRAWN BY: HENDERSON SCALE: JOB NUMBER: AS NOTED 62930547

	BUS A MAIN VOLT	NELBOARD: N (RELOCAT AMPS: 225A SIZE/TYPE: MLO 'S/PHASE: 208Y/120V, 3PH, 4W TION: 1	ED)			SERVI	ATING:	ARM SURI	ACY &	) FULL & SAL	MDP1 Y RATEI ES FLR	) POWER			EQUIPMENT GROUND BUS	
	CKT	DESCRIPTION	VOL	.TAMPS/Ph	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PH/	ASE	DESCRIPTION	CKT
	NO.		А	В	С	NO.	AMP		,	AMP	NO.	Α	В	С	1	NO.
EX	1	PHARMACY LT LIXT	1,200			EX	20	1			-	5,356				2
EX	3	PHARMACY GFCI	1,200	500		EX	20	1	3	50	6	3,330	5,356		RTU-11 (CUST SERV/AOL)	4
EX	5	SECURITY & TV RCPT		300	500	EX	20	1					3,000	5,356		6
EX	7	EXISTING LOAD	500			EX	20	1	1	20				0,000	SPARE	8
EX	9	EXISTING LOAD		500		EX	20	1	1	20	12		500		BP MACHINE	10
EX	11	EXISTING LOAD			500	EX	20	1	1	20	12			1,000	CUSTOMER SERVICE COPIER	12
R	13	SALES FLOOR 10' RCPTS	1,440			12	20	1	1	20	EX	500		,	HANDICAPPED SHOP CART	14
R	15	BULK FOOD SCALES		360		12	20	1	2	30	EX		2,496		EXISTING LOAD	16
Ν	17	WH-4 A			4,150	6	50	2						2,496		18
	19		4,150						1	20	EX	500			EXISTING LOAD	20
R	21	CUSTOMER SERVICE SCREENS		360		12	20	1	1	20	EX		500		EXISTING LOAD	22
EX	23	EX. FAN EF-6			500	EX	20	1	1	20	EX			500	EXISTING LOAD	24
R	25	ELECTRIC WATER COOLER	500			12	20	1	1	20	12	360			BEAUTY SHELVING 4	26
Ν	27	WH-4 B		4,150		6	50	2	1	20	12		360		BEAUTY SHELVING 5	28
	29				4,150				1	20	12			360	CANDY SHELVING 1	30
R	31	BEAUTY SHELVING MONITOR	180			12	20	1	1	20	12	360			CANDY SHELVING 2	32
R	33	BEAUTY SHELVING 1		1,200		12	20	1	1	20	12		500		CANDY SHOP END CAP	34
R	35	BEAUTY SHELVING 2			1,200	12	20	1	1	20	12			500	KIDDIE RIDE	36
R	37	BEAUTY SHELVING 3	1,200			12	20	1	1	20	EX	1,200			NON FOOD SHELF LTG	38
EX	39	EXISTING LOAD		500		EX	20	1	1	20	EX		500		EXISTING LOAD	40
EX	41	EXISTING LOAD			500	EX	20	1	1	20	12			360	ROOFTOP RCPTS	42
		SUBTOTAL	9,170	7,570	11,500						Į	8,276	10,212	10,572	SUBTOTAL	
		TOTAL PHASE A - VA 17,446	LOAD	•	CONN. VA	4	DF		LOA	)			CONN. VA	DF		
		AMPS 145	COOLING		16,068		1.00		REF	RIG				1.00		
		TOTAL PHASE B - VA 17,782	HEATING				0		SIGN	I/DISP				1.25		
		AMPS 148	LIGHTING	i	3,600		1.25		KITC	HEN				1.00		
		TOTAL PHASE C - VA 22,072	RECEPTA	CLES	5,640		1.0/.5		EXIS	TING			13,892	1.00		
		AMPS 184	MOTORS				1.00		LRG	MOTO	)R			1.25	TOTAL DEMAND	
		TOTAL PNLBD - VA 57,300	SUPP HEA		16,600		1.00			W WN				1.25	58,200 VA	
		AMPS 159	MISC EQL	JIP	1,500		1.00		LTG	TRAC	K			1.00	162 <i>F</i>	4
	PANE	ELBOARD NOTES														

: 100A TYPE: MLO ASE: 208Y/120V, 3PH, 4 <b>1</b>	(ISTING) <sub>4W</sub>				SERV MOUN	ATING: ES: REI	FRIC SUR	GER/ RFAC	ATION E	MDP1 Y RATEI	)			EQUIPMENT GROUNI	D BUS
DESCRIPTIO	N	VOL	TAMPS/PH	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PHA	ASE	DESCRIPTION	СК
		А	В	С	NO.	AMP			AMP	NO.	Α	В	С	1	NO
RE						20	1	1	20	EX	1.200			TRUCK OUTLET HEATER?	2
RE						20	2	1	20	EX	-,	1.000		HVAC CONTROL PANEL	4
								1	20			1,000	1.000	KCPL/INNOVATOR	6
ESE CASE FANS		500			EX	20	1	1	20	EX	1.000		,	KCPL/INNOVATOR	8
IPPED SPACE							1	1	20	12		360		FROZEN CASE RCPT 1	10
RE						20	1	1	20	12			360	FROZEN CASE RCPT 2	12
		3,843						1	20	12	360			FROZEN CASE RCPT 3	14
OR ROOM HEATER			3,843		EX	40	3	1	20	12		360		FROZEN CASE RCPT 4	1
				3,843	1			1	20					SPARE	18
IPPED SPACE							1	1	20	EX	1,000			CULLIGAN WATER SYSTEM	20
0			500		EX	20	1	2	20					SPARE	22
ROZEN RCPT				500	EX	20	1	1							24
		7,686						1	20	EX	500			DAIRY COLUMN RCPT	26
K IN FREEZER			7,686		EX	80	3	1	20	EX		500		DAIRY RCPT	2
				7,686	1			1	20	EX			500	T STAT SOLENOID MEAT COF.	30
SUBTOTAL		12,029	12,029	12,029		1	-	'			4,060	2,220	1,860	SUBTOTAL	
OTAL PHASE A - VA	16 089	LOAD		CONN VA	Δ	DF		10/	4D			CONN VA	DE		
				001111111111111111111111111111111111111	•	<u> </u>	1	_				001111111111111111111111111111111111111		+	
							1			5				-	
						_	1							-	
OTAL PHASE C - VA	13.889	RECEPTA	CLES	1.440	l		1	-				42 787			
AMPS		MOTORS		, -		1.00	1	LRO	3 МОТ	OR		,		TOTAL DEMAND	7
TOTAL PNLBD - VA		SUPP HE/	ΛT		-	-	1								1
							1							· · · · · · · · · · · · · · · · · · ·	-
	TYPE: MLO ASE: 208Y/120V, 3PH, 1 DESCRIPTIO  RE RE ESE CASE FANS PPED SPACE RE OR ROOM HEATER PPED SPACE OR ROZEN RCPT  KIN FREEZER  SUBTOTAL AMPS OTAL PHASE B - VA AMPS OTAL PHASE C - VA	TYPE: MLO ASE: 208Y/120V, 3PH, 4W  DESCRIPTION  RE RE RE RE RE RE RE RE RE RE RE RE RE	TYPE: MLO  ASE: 208Y/120V, 3PH, 4W  DESCRIPTION  DESCRIPTION  VOL  A  RE  RE  SEE  SEE CASE FANS  PPED SPACE  RE  OR ROOM HEATER  PPED SPACE  OF ROZEN RCPT  T,686  SUBTOTAL  TOTAL PHASE A - VA 16,089  AMPS 134  COOLING TOTAL PHASE B - VA 14,249  AMPS 119  COTAL PHASE C - VA 13,889  AMPS 116  TOTAL PNLBD - VA 44,227  SUPP HEA	TYPE: MLO ASE: 208Y/120V, 3PH, 4W  DESCRIPTION  VOLTAMPS/PH A B  RE RE RE RE RE RE RE RE RE RE RE RE RE	TYPE: MLO  ASE: 208Y/120V, 3PH, 4W    DESCRIPTION	TYPE: MLO  ASE: 208Y/120V, 3PH, 4W  ASE: 208Y/120V, 3PH, 4W  DESCRIPTION  OUTAMPS/PHASE  A B C NO.  RE  RE  RE  RE  RE  RE  RE  RE  RE  R	TYPE: MLO  SERVES: RE  SE: 208Y/120V, 3PH, 4W  DESCRIPTION    VOLTAMPS/PHASE   WIRE   BKR     A   B   C   NO.   AMP	TYPE: MLO  ASE: 208Y/120V, 3PH, 4W  DESCRIPTION    VOLTAMPS/PHASE   WIRE   BKR   P	TYPE: MLO   SERVES: REFRIGERA   MOUNTING: SURFACE   LOCATION: ELECTRIC	TYPE: MLO   SERVES: REFRIGERATION   NOUNTING: SURFACE   LOCATION: ELECTRICAL ROUNTING: SURFACE   LOCATION: ELECTRICAL	SERVES: REFRIGERATION   MOUNTING: SURFACE   LOCATION: ELECTRICAL ROOM	SERVES: REFRIGERATION   MOUNTING: SURFACE   LOCATION: ELECTRICAL ROOM   LOCATION: EL	TYPE: MLO   SER 2087/120V, 3PH, 4W   MOUNTING: SURFACE   LOCATION: ELECTRICAL ROOM   LOCATION: ELECTRICAL ROOM   LOCATION: ELECTRICAL ROOM   LOCATION: ELECTRICAL ROOM   Refer to the property of the proper	SERVES   REFRIGERATION   SERVICE   SERVES   REFRIGERATION   SERVICE   SERV	SERVES: REFRIGERATION   MOUNTING: SURFACE   LOCATION: ELECTRICAL ROUNTING: ELECTRICAL ROUNTING: SURFACE   LOCATION: ELECTRICAL ROUNTING: E

BUS AMPS: MAIN SIZE/	TYPE: 125A MCB ASE: 208Y/120V, 3PH, 4W				SERV MOUN	ATING:	SUR	RFAC	Œ	MDP1 MINIMUM	1			LINE-SIDE LUGS: ME EQUIPMENT GRO	
CKT NO.	DESCRIPTION	VOL	TAMPS/PI B	HASE C	WIRE NO.	BKR AMP	Р	Р	BKR AMP	WIRE NO.	VOL A	TAMPS/PHA	ASE C	DESCRIPTION	CKT NO.
		^			INO.	Alvir			AIVIE	INO.			0		
1							1	-							2
3 5							1	-							6
7							1	-							8
9							1	-							10
11							1	1							12
13							1	1							14
15							1	1							16
17							1	1							18
19							1	1							20
21							1	1							22
23							1	1							24
25							1	1							26
27							1	1							28
29							1	1							30
31							1	_							32
33							1	-							34
35							1	-							36
37							1	1							38
39							1	-							40
41	OUDTOTAL						1	1						OUDTOTAL	42
	SUBTOTAL									L				SUBTOTAL	
T	OTAL PHASE A - VA	LOAD		CONN. V	Ą	DF		LO				CONN. VA	DF		
	AMPS	COOLING				1.00			FRIG				1.00		
T	OTAL PHASE B - VA	HEATING				0			SN/DISI	>			1.25		
	AMPS	LIGHTING				1.25			CHEN				1.00		
T	OTAL PHASE C - VA	RECEPTA	CLES			1.0/.5			ISTING				1.00		
	AMPS	MOTORS				1.00	-	_	G MOT				1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA	SUPP HEA				1.00			IW WO				1.25		
	AMPS ARD NOTES	MISC EQU	IP			1.00		LIC	G TRAC	JK			1.00		

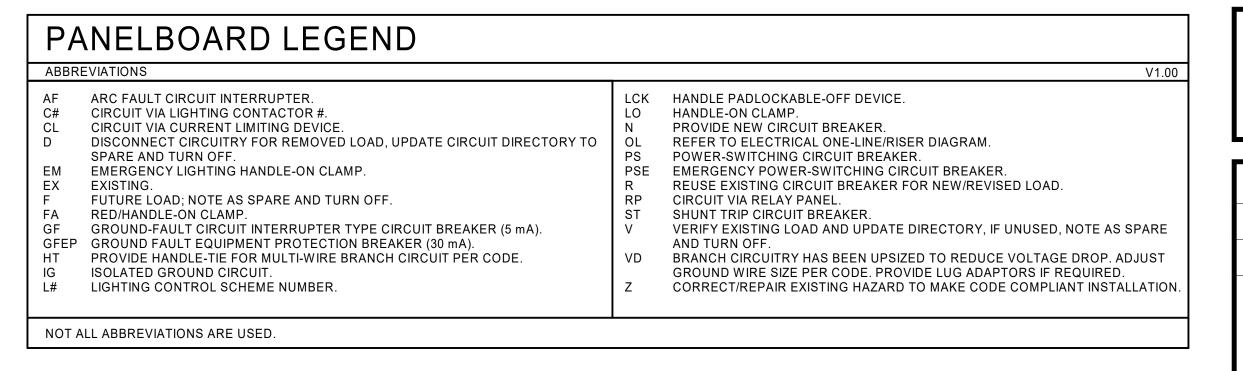
BUS	NELBOARD: P (EXISTING) S AMPS: 225A N SIZE/TYPE: MLO .TS/PHASE: 208Y/120V, 3PH, 4W				SERV	ROM: ATING: ES: REI	FRIC	GER/	ATION	MDP1 Y RATEI	)			EQUIPMENT GROUP	ND BU
SEC	CTION: 1				LOCA	TION: E	LEC	CTRI	CAL RO	OOM					
СК	T DESCRIPTION	VOL	TAMPS/PH	IASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PHA	ASE	DESCRIPTION	СК
NO	-	Α	В	С	NO.	AMP			AMP	NO.	Α	В	С		NC
1	WHITE CORD DROP	1,000			EX	20	1	1	20					SPARE	2
3			2,702					1	20					SPARE	4
5	BAKERY OVEN DECK 1			2,702	10	30	3	1	20	EX			1,000	FREEZER HEAT TAPE	6
7		2,702						1	20	EX	1,000			FREEZER LIGHTS	8
9			2,702					1	20	EX		1,000		DOOR HEAT FREEZER	10
11	BAKERY OVEN DECK 2			2,702	10	30	3	1	20	EX			1,000	MEAT COOLER LIGHTS	12
13		2,702						1	20					SPARE	14
15			2,702					1	20					SPARE	16
17	BAKERY OVEN DECK 3			2,702	10	30	3	1	20	EX			1,000	MEAT COOLER HEAT TAPE	18
19		2,702						1	20	EX	1,000			MILK COOLER LIGHTS	20
21	H-5 HOOD CONTROL		500		12	20	1	1	20					SPARE	22
23	SPARE					20	1	1	20	EX			1,000	WHITE CORD DROP	24
25	SPARE					20	1	1	20					SPARE	26
27	DELI COOLER LTS		1,000		EX	20	1	1	20	EX		1,000		PRODUCE COOLER LTS	28
29	SPARE					20	1	1	20					SPARE	30
31	SPARE					20	1	1	20	EX	500			S AIR HANDLER GFI	32
33	LTG - WALK IN BEER COOLER		520		12	20	1	1	20	EX		500		S AIR HANDLER SMOKE DET.	34
35	LTG - BEER COOLER DRS 1			1,000	12	20	1	1	20	EX			1,000	BAKERY DOOR SPARE ON TOP	36
37	BEER COOLER DRS A/S 1	1,000			12	20	1	1	20	EX	500			BAKERY BARKER CASES	38
39	LTG - BEER COOLER DRS 2		1,000		12	20	1	1	20	EX		500		LEAK DETECTOR SYSTEM	40
41	BEER COOLER DRS A/S 2			1,000	12	20	1	1	20	EX			500	CHINESE FRZER HEAT TAPE	42
	SUBTOTAL	10,106	11,126	10,106							3,000	3,000	5,500	SUBTOTAL	
	TOTAL PHASE A - VA 13,106	LOAD		CONN. V	Α	DF		LO	AD			CONN. VA	DF		
	AMPS 109	COOLING				1.00	†	RE	FRIG			1,000	1.00	-	
	TOTAL PHASE B - VA 14,126	HEATING				0	1	SIG	N/DISF	<b>o</b>		,	1.25		
	AMPS 118	LIGHTING		2,520	)	1.25	1	KIT	CHEN			24,318	0.90	_	
	TOTAL PHASE C - VA 15,606	RECEPTA		,-		1.0/.5	1	_	ISTING			13,500	1.00	_	
	AMPS 130	MOTORS				1.00		_	G MOT			-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 42,838	SUPP HEA	ΛT	2,000	)	1.00	1	SH	NW WO	NDW			1.25	42,036 V	Α
	AMPS 119	MISC EQL	JIP	500	)	1.00		LTC	G TRAC	K			1.00	117	

BU MA VO	NELBOARD: U (R S AMPS: 225A N SIZE/TYPE: MLO .TS/PHASE: 208Y/120V, 3PH, CTION: 1		ED)			SERV MOUN	FROM: ATING: ES: FRO ITING: S TION: S	SUR	Γ OF	0000 FULL FFICE ACE	MDP1 Y RATED	)			EQUIPMENT GROUN	ID BU
Ck	T DESCRIPTI	ION	VOL	TAMPS/PH	HASE	WIRE	BKR	Р	ТР	BKR	WIRE	VOL	TAMPS/PHA	SE	DESCRIPTION	СК
NO			А	В	С	NO.	AMP			AMP	NO.	Α	В	С	1	NO
1			7,073						1	20	12	720			BAR RCPTS & PRINTER	2
3	RTU-12 (WINE & SPIRITS)	1	1,013	7,073		4	70	3	1		12	120	540		SUSHI SCALE/TVS	4
- 5		•		7,070	7,073				1	_	12		0.10	190	SUSHI RICE SHEETER	6
7	W&S VESTUBULE AUTO	DOOR	1.000		1,010	12	20	1	1	_	12	540			BAR CONV RCPTS	8
9	SODA ICE MACHINE 2		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,435		12	20	2	1	20	12		540		DINING CONV RCPTS 1	10
1					1,435				1	20	12			540	DINING CONV RCPTS 2	12
1:	SPARE					EX	20	2	1	20	12	264			LTG - CUST RR VANITY	14
1									1	20	12		540		HUMAN RESOURCES RCPT 1	16
1	DIRECTORS OFFICE RCP	PT 1			540	12	20	1	1	20	12			720	HUMAN RESOURCES RCPT 2	18
19	DIRECTORS OFFICE RCP	PT 2	540			12	20	1	1	20	12	360			HALLWAY RCPTS/TIMECLOCK	20
2	ASSISTANT MGRS RCPT			540		12	20	1	1	20	12		1,000		EMP. LOUNGE FRIDGE 1	22
2	RESTROOM RCPTS 1				720	12	20	1	1	20	12			1,000	EMP. LOUNGE FRIDGE 2	24
2	RESTROOM RCPTS 2		720			12	20	1	1	20	12	720			EMP. LOUNGE RCPTS/TV	26
2	RESTROOM RCPTS/MOTI	HERS ROOM		720		12	20	1	1		EX		500		EMS PANEL	28
2	EMP. LOUNGE POP MACI	H. 1			500	12	20	1	1	20	12			624	LTG - EMP LOUNGE/DEPT HD	30
3		H. 2	500			12	20	1	1		12	522			LTG - ASST MGR/DIR OFF/HR	32
3	EMP. LOUNGE RCPTS			720		12	20	1	+-		12		600		LTG - DRUM LIGHTS	34
3	-				697	12	20	2	$\vdash$		12			400	LTG - TRACK PENDANTS	36
3			697					<u>.</u>	1		12	200			LTG - CYLINDER LIGHTS	38
3				1,248		12	20	1	+		12		500		CP-1	40
4			10.500	44.700	720	12	20	1	1	20	EX	0.000	4.000	500	HVAC CONTROL PANEL	42
	SUBTOTA	AL .	10,530	11,736	11,685							3,326	4,220	3,974	SUBTOTAL	
	TOTAL PHASE A - VA	13,856	LOAD		CONN. V	Ą	DF		LC	DAD			CONN. VA	DF		
	AMPS	115	COOLING		21,219	)	1.00		RE	EFRIG			2,642	1.00		
	TOTAL PHASE B - VA	15,956	HEATING				0		SI	IGN/DISP	•			1.25		
	AMPS	133	LIGHTING		2,610		1.25		_	ITCHEN			3,060	1.00		
	TOTAL PHASE C - VA	15,659	RECEPTA	CLES	12,440		1.0/.5			XISTING			1,000	1.00		_
	AMPS	130	MOTORS		500	)	1.00		_	RG MOTO				1.25	TOTAL DEMAND	_
	TOTAL PNLBD - VA	45,471	SUPP HEA				1.00			HOW WN				1.25	44,904 VA	→
	AMPS	126	MISC EQL	JIP ————	2,000	)	1.00		LT	TG TRAC	K			1.00	125 A	<u> </u>

E N	BUS A MAIN /OLT	NELBOARD: M (EAMPS: 225A SIZE/TYPE: MLO S/PHASE: 208Y/120V, 3PH					SERVI	ATING:	REC	L & F ESS	RONT ED	MDP1 Y RATE POWEF				EQUIPMENT GROUI	IND BL
-	CKT	DESCRIPTION	ON	-	TAMPS/PI		WIRE	1	Р	Р		WIRE		TAMPS/PHA		DESCRIPTION	Ck
L	NO.			A	В	С	NO.	AMP			AMP	NO.	A	В	С		N
F	1	HOT CHICKEN CASE		2,863	0.000		8	40	2		20	12	1,000	500		CASH RECYCLE MACHINE	
F	3	CUSTOMED SERVICE D	DINTERS		2,863	4.000	40	20	4	1	20	12		500	500	CASH ACCT - SAFE CASH ACCT - PRINTER	4
ŀ	5	CUSTOMER SERVICE PI	KINIEKS	500		1,000	12 12	20	1	1	20	12 12	606		500	SCO FRIDGES 1	
-	7 9	COINSTAR		500	7.696		12	20	1	1	20	12	696	606		SCO FRIDGES 1	
$\vdash$	11	EXISTING LOAD			7,686	7,686	EX	80	3	1	20	12		696	696	SCO FRIDGES 2	1
H	13	LXISTING LOAD		7.686		7,000	L^	80	3	1	20	12	696		090	SCO FRIDGES 4	1
H	15			7,000	7.686					1	20	12	090	180		CART CHARGER 1	1
H	17	EXISTING LOAD			7,000	7.686	EX	80	3	1	20	12		100	180	CART CHARGER 2	1
┢	19	LXIOTINO LOAD		7.686		7,000		00	0	1	20	12	1,000		100	ATM 1	2
H		SALES GONDOLA 1		7,000	360		12	20	1	1	20	12	1,000	1,000		ATM 2	2
$\vdash$	23	SALES GONDOLA 2			300	360	12	20	1	1	20	12		1,000	540	FLORAL SALES RCPTS	2
-	25	SALES GONDOLA 3		360		300	12	20	1	1	20	12	720		340	FLORAL BACK COUNTER	2
:	27	SALES GONDOLA 4		300	360		12	20	1	1	20	12	720	720		FLORAL PREP ROOM 1	2
;}	29	SALES GONDOLA 5			300	360	12	20	1	1	20	12		720	360	FLORAL PREP ROOM 2	3
$\vdash$	31	SALES GONDOLA 6		360		300	12	20	1	1	20	12	500		300	FLORAL WALK IN AUTO DOOR	3
;	33	SALES GONDOLA 7		300	360		12	20	1	1	20	12	300	180		PRODUCE CASE RCPT	3
;}	35	SALES GONDOLA 8			000	360	12	20	1	2	20	12		100	1.946	PRODUCE DROP CORD 1	3
-	37	SALES GONDOLA 9		360		000	12	20	1	-		'-	1,946		1,040	The section of the se	3
+	39	SALES GONDOLA 10			360		12	20	1	2	20	12	1,010	1,946		PRODUCE DROP CORD 2	4
	41	SALES GONDOLA 11			300	360	12	20	1	1				1,010	1,946		4
┢		SUBTOTAL	L	19,815	19,675	17,812			-				6,558	5,222	6,168	SUBTOTAL	
Ē		TOTAL PHASE A - VA	26,373	LOAD		CONN. VA	- \	DF		LOA	AD.			CONN. VA	DF		
r		AMPS	220	COOLING				0		REF	RIG				1.00	1	
H		TOTAL PHASE B - VA	24,897	HEATING		5,726		1.00			N/DISF	,			1.25	-	
r		AMPS	207	LIGHTING				1.25		_	CHEN				1.00	1	
r		TOTAL PHASE C - VA	23,980	RECEPTA	CLES	22,908		1.0/.5		EXI	STING			46,116	1.00	1	
r		AMPS	200	MOTORS				1.00		_	Э МОТ			-	1.25	TOTAL DEMAND	
r		TOTAL PNLBD - VA	75,250	SUPP HEA	<b>ΑΤ</b>			1.00		SHO	AW WC	IDW			1.25	68,796 V	/A
H		AMPS	209	MISC EQU		500		1.00			TRAC				1.00	191.	_

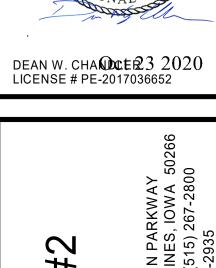
MAIN VOLT	AMPS: 100A SIZE/TYPE: MLO S/PHASE: 208Y/120V, 3F I <b>ON: 1</b>	PH, 4W				SERVI	ATING: ES: W& ITING: I TION: S	S/OF	FFIC ESS	ES ED	Y RATE	D			EQUIPMENT GROU	JND BUS
CKT	DESCRIP'	TION	VOL	TAMPS/PH	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOI	TAMPS/PHA	ASE	DESCRIPTION	СКТ
NO.			А	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO.
1	VAV 10-1		750			12	20	2	1	20	12	500			HUMIDOR SHELF LTG	2
3				750					1	20	12		1,200		W&S BEER SIGN	4
5	VAV 10-2				1,750	12	20	2	1	20	12			160	LTG - BAR RECESSED	6
7			1,750						1	20	12	216			LTG - OVERHEAD RECESSED	8
9	VAV 10-3			1,000		12	20	2	1	20	12		500		LTG - BACK BAR DISPLAY	10
11					1,000				1	20	12			180	LTG - BAR FLOODS	12
13	VAV 10-4		1,500			12	20	2				5,356				14
15				1,500					3	50	6		5,356		RTU-10 (OFFICES)	16
17	VAV 10-5				750	12	20	2						5,356		18
19			750						1	20	12	200			LTG - BAR TRELLIS	20
21	DINING COFFEE MAKE	ER .		1,800		10	30	2	2	30	10		2,000		W&S VESTIBULE ECH	22
23					1,800									2,000		24
	DINING CONV RCPTS	3	900			12	20	1	1	20	12	540			BAR TVS 2	26
	DINING TVS			360		12	20	1	1	20	12		780		BACK BAR COOLER 1	28
29	BAR TVS 1				360	12	20	1	1	20	12			780	BACK BAR COOLER 2	30
	SUBTO	ΓAL	5,650	5,410	5,660							6,812	9,836	8,476	SUBTOTAL	
	TOTAL PHASE A - VA	12,462	LOAD		CONN. VA	Α	DF		LOA	AD AP			CONN. VA	DF		
	AMPS	104	COOLING		16,068		1.00	1 1	REF	FRIG				1.00		
	TOTAL PHASE B - VA	15,246	HEATING		11,500		0		SIG	N/DISF	)		1,200	1.25		
	AMPS	127	LIGHTING		1,756	i	1.25		KIT	CHEN			5,160	0.90		
	TOTAL PHASE C - VA	14,136	RECEPTA	CLES	2,160		1.0/.5		EXI	STING				1.00		
	AMPS	118	MOTORS				1.00		LRC	э мот	DR .			1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA	41,844	SUPP HEA	AT T	4,000		1.00	] [	SHO	AW WC	IDW			1.25	30,567	<b>√</b> A
	AMPS	116	MISC EQL	IIP			1.00		LTG	TRAC	K			1.00	85	i A

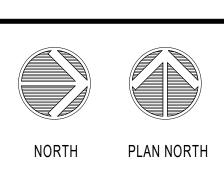
BU MA VC	ANELBOARD S AMPS: 225A IN SIZE/TYPE: MLC LTS/PHASE: 208Y/ CTION: 1	0		·)			SERVI	ROM: ATING: ES: BAH ITING: F	REC	Y ESS	SED	MDP1	/ERIFY AND	) NOTIFY EOF	₹	EQUIPMENT GROUNI	D BUS
Ck	T DE	SCRIPTION	V	VOL	TAMPS/PH	IASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	.TAMPS/PH/	ASE	DESCRIPTION	СКТ
N	).			Α	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO.
1	DELI PREP DIS	SPOSAL		500			EX	20	1	1	20	EX	1,000			JET	2
1 3	RANGE RCPT				500		EX	20	1	1	20	10	,	1,800		CAPPUCCINO MACHINE	4
( 5	RANGE RCPT					500	EX	20	1	1	20	10			1,500	TEA	6
7	TURBO OVEN			2,496			EX	30	2	1	20	EX	1,000			EXISTING LOAD	8
9					2,496					2	20	EX		1,664		DELI TOASTER	10
( 1	EXISTING LOAD	D				500	EX	20	1						1,664		12
1:	3			456						1	20	12	804			KITCHEN REF. TABLE COOKLINE	14
<b>ا</b> ا	KEF-3				456		12	20	3	1	20	EX		500		EXISTING LOAD	16
1	7					456				1	20	EX			500	RCPT IT RACK PRODUCE	18
( 1		ER		1,200			EX	20	1	2	20	EX	1,664			EXISTING LOAD	20
2	1	J FRYER			4,804									1,664			22
X 2						4,804	EX	50	3	1	20	EX			500	EXISTING LOAD	24
2				4,804			-						2,882				26
( 2		COFFEE MAKER			2,496		EX	30	1	3	30	EX		2,882		EXISTING LOAD	28
2		LI COFFEE MAKER				2,496	-					->-			2,882		30
3				4,804						1	20	EX	500			EXISTING LOAD	32
X 3					4,804	4.004	EX	50	3	1	20	EX		500		EXISTING LOAD	34
3				0.400		4,804	- FV	20		1	20	EX	700		500	EXISTING LOAD	36
3				2,496	0.400		EX	30	2	1	20	10	720	700		8 HEAD SODA MACHINE 1 8 HEAD SODA MACHINE 2	38
4		ACE			2,496		-		1	1	20	10		720	1,800	SODA ICE MAKER 1	40
-		SUBTOTAL		16,756	18,052	13,560			'	<u>'</u>	20	10	8,570	9,730	9,346	SUBTOTAL	42
				10,700	10,002							l	,		0,040	000101712	
	TOTAL PHA		25,326	LOAD		CONN. VA	4	DF		LO				CONN. VA	DF		
		AMPS	211	COOLING				1.00			FRIG				1.00		
	TOTAL PHA			HEATING				0	-		N/DISF	)			1.25		
_	TOTAL 5:::	AMPS	232	LIGHTING				1.25	- 1		CHEN			7,344	0.65	4	
-	TOTAL PHA		22,906	RECEPTA	CLES	1.000		1.0/.5			STING			67,302	1.00	TOTAL SELECT	7
-	TOTAL D	AMPS NLBD - VA	191 76,014	MOTORS SUPP HEA	\T	1,368		1.00			G MOTO				1.25	TOTAL DEMAND	-
	TOTAL PI	AMPS	211	MISC EQU				1.00	4		3 TRAC				1.25	73,444 VA 204 A	-
PA	NELBOARD NOTE	!	<b>4</b> 11	IVIIOO EQC	···			1.00							1.00		YI



REVISION







ELECTRICAL PANEL SCHEDULES

DRAWN BY: HENDERSON 10/19/2020 SCALE: JOB NUMBER: AS NOTED 62930547

FED FROM:

MOUNTING: RECESSED

1,000

LOAD COOLING

1,664

SERVES: FRONT OF HOUSE

LOCATION: CUSTOMER SERVICE

VOLTAMPS/PHASE WIRE BKR P P BKR WIRE VOLTAMPS/PHASE A B C NO. AMP AMP NO. A B C

MDP1

 500
 EX
 20
 1
 1
 20
 EX
 500
 DRY CLEAN & POSTAL IG

 500
 EX
 20
 1
 1
 20
 EX
 1,000
 2014 WATER DISP.

 1,000
 EX
 20
 1
 1
 20
 EX
 500
 DEMO RCPT WEST END

 1,000
 EX
 20
 1
 1
 20
 EX
 1,000
 EXISTING LOAD

 1,000
 EX
 20
 1
 1
 20
 EX
 1,000
 EXISTING LOAD

 1,000
 EX
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 1
 20
 EX
 1,000
 EXISTING LOAD

 1,000
 EX
 20
 1
 1
 20
 EX
 1,000
 COFFEE GRINDER

 1,000
 EX
 20
 1
 2
 40
 EX
 3,328
 EXISTING LOAD

 1,000
 EX
 20
 1
 1
 20
 EX
 1,000
 EXISTING LOAD

 1,000
 EX
 20
 1
 1
 20
 EX
 1,000
 EXISTING LOAD

 1,664
 EX
 20
 1
 1
 20
 EX
 1,000
 RED BOX POWER P

 1,664
 EX
 20
 2
 1
 20
 EX
 500
 POLE LIGHT RCPT

1,000 EX 20 1 1 20 EX 500

SIGN/DISP

1.25 KITCHEN

1.0/.5 EXISTING

1.00 LRG MOTOR 1.00 SHOW WNDW

1.00 LTG TRACK

AIC RATING: CONTRACTOR TO VERIFY AND NOTIFY EOR

LINE-SIDE LUGS: MECHANICAL

EXISTING LOAD

500 POLE LIGHT RCPT

1.00

44,976 1.00

1,000 POP MACHINE

POP MACHINE

RED BOX POWER POLE

TOTAL DEMAND

46,336 VA

1,000

EQUIPMENT GROUND BUS

PANELBOARD: AA1 (EXISTING)

DESCRIPTION

BUS AMPS: 225A

SECTION: 1

EX 3 GONDOLA

EX 9 EXISTING LOAD

EX 11 EXISTING LOAD

EX 13 EXISTING LOAD

EX 15 EXISTING LOAD EX 17 EXISTING LOAD

EX 19 EXISTING LOAD EX 21 EXISTING LOAD EX 23 EXISTING LOAD EX 25 EXISTING LOAD

EX 29 EXISTING LOAD

EX 31 EXISTING LOAD

EX 39 EXISTING LOAD EX 41 EXISTING LOAD

PANELBOARD NOTES

EX 33 SANDWICH CASE

EX 37 RCPT AT SANDWICH CASE

SUBTOTAL

TOTAL PHASE A - VA 15,492 AMPS 129

TOTAL PHASE B - VA 14,340 HEATING
AMPS 120 LIGHTING

TOTAL PHASE C - VA 16,504 RECEPTACLES
AMPS 138 MOTORS

TOTAL PNLBD - VA 46,336 SUPP HEAT

AMPS 129 MISC EQUIP

MAIN SIZE/TYPE: MLO

EX 1 JEWELRY GONDOLA

EX 5 S POP MACHINE RCPTS EX 7 S POP MACHINE RCPTS

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

N SIZE/TYPE: MLO	<b>-</b> )			SERV	ATING: ES: DE	LI			MDP1 FOR TO \	/ERIFY AND	O NOTIFY EOF	₹	EQUIPMENT GROUN	D BUS
				LOCA	TION: E	DRY	STC	RAGE						
T DESCRIPTION	VOI	TAMPS/DL	IASE	WIRE	BKB	Ь	Гр	BKB	WIRE	VOI	TAMPS/DH/	78E	DESCRIPTION	СКТ
				_		ļ '	'	l	l -					NO.
		_		1	1		1				_	_	DTU#2 CMOVE DETECTOR	_
MALL 4 CONDENSED 4	1,741	4 744		10	200	1	⊢ <u>ʻ</u>			500	500			2
MAU-1 CONDENSER 1		1,741	4 744	12	20	3	-				500	500		4
	0.570		1,741				+ -			500		500		6
MALL 4 CONDENSED 2	2,570	0.570		10	20			20	EX	500	700		EXISTING LOAD	8
		2,570	0.570	10	30	3		20	40		793	700	WEE 2	10
	700		2,570				3	20	12	700		793	NEF-2	12
	/33	700		40	00					793			EQUIDDED ODAGE	14
KEF-1A		/33		12	20	3	-	00						16
			733	-			-					500		18
<del>- </del>							<u> </u>			500				20
		456		12	20	3					500			22
			456	_			+ -					1,600		24
	6,725			1						500				26
RTU-3 (DINING)		6,725		EX	70	3	_				1,120			28
			6,725				1	20	12			360	PIZZA TVS	30
						1	1	20	12	480			PIZZA OVEN VIA HCP	32
ROOF TOP #3 GFI		500		EX	20	1	1	20	12		1,150		PIZZA DOUGH PRESS	34
EQUIPPED SPACE						1	1	20	12			500	PIZZA SCALE AND LOWERATOR	36
	7,686						1	20	12	756			PIZZA - EF-4	38
EXISTING LOAD		7,686		EX	80	3	1	20	12		500		HOOD H-4 CONTROL	40
			7,686	7			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	Δ	DF		10	AD			CONN VA	DF		
			00111111177	•		†	-				OOTHII. VII		<del> </del>	
					_		_		<b>,</b>					
						1	_				4.850			
			1 860	<u> </u>		1	-	_						
						1	-				47,200		TOTAL DEMAND	٦
			10,000	<u> </u>		1	_							_
AMPS 204	MISC EQU				1.00	1	_	G TRAC				1.00	200 A	_
	S AMPS: 225A IN SIZE/TYPE: MLO LTS/PHASE: 208Y/120V, 3PH, 4W CTION: 1  T DESCRIPTION  MAU-1 CONDENSER 1  MAU-1 CONDENSER 2  KEF-1A  KEF-1B  RTU-3 (DINING)  EQUIPPED SPACE ROOF TOP #3 GFI EQUIPPED SPACE  EXISTING LOAD	SAMPS: 225A IN SIZE/TYPE: MLO LTS/PHASE: 208Y/120V, 3PH, 4W CTION: 1  T DESCRIPTION VOL A  I,741  MAU-1 CONDENSER 1  EQUIPOSE 2  RTU-3 (DINING)  EQUIPPED SPACE B ROOF TOP #3 GFI B EQUIPPED SPACE C EXISTING LOAD  SUBTOTAL  TOTAL PHASE A - VA 23,940 AMPS 200 TOTAL PHASE B - VA 24,974 AMPS 208 TOTAL PHASE C - VA 24,664 AMPS 206 TOTAL PHASE C - VA 24,664 AMPS 206 RECEPTA MOTORS	AMPS: 225A IN SIZE/TYPE: MLO LTS/PHASE: 208Y/120V, 3PH, 4W CTION: 1  T DESCRIPTION  MAU-1 CONDENSER 1  MAU-1 CONDENSER 2  MAU-1 CONDENSER 1  1,741  1,741  1,741  2,570  A56  MAU-1 CONDENSER 2  A56  A56  A57  A56  A57  A57  A57  A57	SAMPS: 225A IN SIZE/TYPE: MLO LTS/PHASE: 208Y/120V, 3PH, 4W CTION: 1  T DESCRIPTION VOLTAMPS/PHASE A B C  I,741	AIC R. N. SIZE/TYPE: MLO SERV. TS/PHASE: 208Y/120V, 3PH, 4W MOUNTON: 1 LOCA  T DESCRIPTION VOLTAMPS/PHASE WIRE A B C NO.  MAU-1 CONDENSER 1 1,741 12  MAU-1 CONDENSER 2 2,570 10  KEF-1A 733 733 12  KEF-1B 456 456 12  RTU-3 (DINING) 6,725 EX  ROF TOP #3 GFI 500 EX  ROF TOP #3 GFI 500 EX  EQUIPPED SPACE 7,686 EX  SUBTOTAL PHASE A - VA 23,940 AMPS 200 TOTAL PHASE A - VA 24,974 AMPS 208  TOTAL PHASE B - VA 24,974 AMPS 208  TOTAL PHASE C - VA 24,664 AMPS 208  TOTAL PHASE C - VA 24,664 AMPS 208  TOTAL PHASE C - VA 24,664 AMPS 208  TOTAL PHASE C - VA 24,664 AMPS 208  TOTAL PHASE C - VA 24,664 AMPS 206  MOTORS 19,635	AIC RATING: SERVES: DE SERVES: DE MOUNTING: LOCATION: I  T DESCRIPTION  T DESCRIP	AIC RATING: SERVES: DELI TESPHASE: 208Y/120V, 3PH, 4W  CTION: 1  DESCRIPTION  T  D  DESCRIPTION  T  D  DESCRIPTION  T  D  D  D  D  D  D  D  D  D  D  D  D	AMPS: 225A  SAMPS: 225A  N SIZETTYPE: MLO  SERVES: DELI  TOTAL PHASE: 208Y/120V, 3PH, 4W  MOUNTING: RECESS  CTION: 1   VOLTAMPS/PHASE  NO.  NO.  NO.  NO.  NO.  NO.  NO.  NO	AMPS: 225A N SIZE/TYPE: MLO SERVES: DELI SERVES: DELI SERVES: DELI MOUNTING: RECESSED  DESCRIPTION   VOLTAMPS/PHASE   WIRE   BKR   P   BKR   AMPS   200    MAU-1 CONDENSER 1	ALC RATING: CONTRACTOR TO N SIZE/TYPE: MLO SERVES: DELI TITION: 1  DESCRIPTION  NUTING: RECESSED  TOTAL PHASE 225A  NAIC RATING: CONTRACTOR TO N SERVES: DELI TITION: 1  DESCRIPTION  NOUTHNER: RECESSED  TOTAL PHASE A. VA 23,940 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 200 TOTAL PHASE C. VA 24,974 AMPS 206 MOTORS  NIZE RATING: CONTRACTOR TO NESSED WINTER  MOUNTING: RECESSED  MIRE  MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND MOUNTING: RECESSED  AND AND AND AND AND AND AND AND AND AND	ALC RATING: CONTRACTOR TO VERIFY ANI SERVES: DELI STATISHIPHASE: 208Y/120V, 3PH, 4W  TION: 1  DESCRIPTION  TO	S AMPS: 225A N SIZETYPE: MLO N SIZETYPE: MLO N SIZETYPE: MLO N SIZETYPE: MLO N SIZETYPE: MLO SERVES: DELI MOUNTING: RECESSED LOCATION: DRY STORAGE  LOCATION: DRY STORAGE  LOCATION: DRY STORAGE  TO DESCRIPTION	SAMPS: 225A NISS: 225C NISS: 235V1 NISS:	ALC RATING:   CONTRICTOR TO VERIFY AND NOTIFY EN   EQUIPMENT GROWN NUMBERS   SERVES: DEL   SERVES:

BUS A MAIN VOLT	NELBOARD: AA2 AMPS: 225A SIZE/TYPE: MLO S/PHASE: 208Y/120V, 3PH		CATED)			SERV MOUN	ROM: ATING: ES: LIQI ITING: F TION: C	REC	R ESS	SED	MDP2 Y RATEI	D			EQUIPMENT GROUN	ND BUS
CKT NO.	DESCRIPTION	N	VOL	TAMPS/PI	HASE C	WIRE NO.	BKR AMP	Р	Р	BKR AMP	WIRE NO.	VOL A	TAMPS/PH/	ASE C	DESCRIPTION	CK1 NO
110.	LIQUOR NEON - FRONT L	2008						4							\\A\\ C F	
3	RED BULL COOLER	JOOR	1,200	1,200		EX EX	20	1	2	20	12	750	750		VAV 6-5	4
5	CIGARETTE SIGNAGE			1,200	1,200	EX	20	1	1	20	12		750	500	DSW/JF LOCKERS	6
7	LIQUOR COUNTER REGIS	STERS	500		1,200	EX	20	1	1	20	EX	500		300	LOTTO MACHINE	8
9	? ROOM RCPTS	<u> </u>		500		EX	20	1	1	20	EX		500		BAG ICE STORAGE	10
11	LIQUOR NEON - NORTH	WALL			1.200	EX	20	1	1	20	12			360	DSW/JF RCPTS	12
13	CORD DROP AISLE 15		500		,=	EX	20	1	1	20	12	180			DSW/JF CHECKOUT MONITOR	14
15	CORD DROP AISLE 17			500		EX	20	1	2	50					SPARE	16
17	SALES FLOOR - GRINDE	R 1			1,000	12	20	2								18
19			1,000						1	20	12	540			DSW DIGITAL WALL 2	20
21	SALES FLOOR - GRINDE	R 2		1,000		12	20	2	1	20	12		540		DSW DIGITAL WALL 3	22
23					1,000									5,356		24
25	VAV 6-1		3,000			8	40	2	3	50	6	5,356			RTU-6 (PHARMACY)	26
27				3,000									5,356			28
29	VAV 6-2				2,750	8	40	2	2	25					SPARE	30
31			2,750													32
33	VAV 6-3			1,250		12	20	2	1	20					SPARE	34
35					1,250											36
37	VAV 6-4		2,500	0.500		8	40	2	3	70					SPARE	38
39	CDADE			2,500			00	4		00					CDARE	40
41	SPARE		11 150	0.050	0.400		20	1	1	20		7 226	7.140	6.046	SPARE	42
	SUBTOTAL	1	11,450	9,950	8,400				1			7,326	7,146	6,216	SUBTOTAL	
	TOTAL PHASE A - VA		LOAD		CONN. VA		DF		LOA				CONN. VA	DF		
	AMPS	156	COOLING		16,068		0		_	FRIG				1.00	_	
	TOTAL PHASE B - VA	17,096	HEATING		20,500		1.00			N/DISF	,		4.000	1.25		
	AMPS	1	LIGHTING RECEPTA		1,620		1.25			CHEN STING			4,000	1.00	_	
	TOTAL PHASE C - VA  AMPS	14,616 122	MOTORS	CLES	1,020		1.07.5			3 MOT			7,800	1.00	TOTAL DEMAND	$\neg$
	TOTAL PNLBD - VA	50,488	SUPP HEA	ΔT			1.00			OW WN				1.25	34,420 V	//
	AMPS	140	MISC EQU		500		1.00			3 TRAC				1.00	96	
PANE	ELBOARD NOTES	140	WIIOO EQC	, ii	1 000		1.00						L	1.00	] 30	

BUS A MAIN OLT	IELBOARD: BB (R AMPS: 225A SIZE/TYPE: MLO S/PHASE: 208Y/120V, 3PH, 4 ION: 1		ATED)			SERVI	ROM: ATING: ES: FRO ITING: S TION: C	SUR	OF FAC	HOUSE	MDP1 Y RATEI	0			EQUIPMENT GRO	JND BUS
CKT	DESCRIPTION		VOL	TAMPS/PH	IASE	WIRE	BKR	Р	Р	BKR	WIRE	VOI	_TAMPS/PH	ASE	DESCRIPTION	СКТ
NO.			А	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO.
1	GARDEN CENTER		500			EX	20	1	1	20	EX	500			CHECKOUT CONVEYOR	2
3	GARDEN CENTER			500		EX	20	1	1	20	EX		500		CHECKOUT CONVEYOR	4
5	GARDEN CENTER				500	EX	20	1	1	20	EX			500	CHECKOUT CONVEYOR	6
7	PHARMACY RCPT & BLOW	ER	500			EX	20	1	1	20	EX	500			CHECKOUT CONVEYOR	8
9	PHARMACY TUBE			500		EX	20	1	1	20	EX		500		CHECKOUT CONVEYOR	10
11	ICE MACHINE NON FOOD				500	EX	20	1	1	20	EX			500	EXPRESS RCPT	12
13	LTG - PHARMACY		486			12	20	1	1	20	EX	500			POP RCPT	14
15	LTG - PHARMACY SOFFIT			144		12	20	1	1	20	EX		500		POP RCPT	16
17	LTG - CLINIC				504	12	20	1	1	20	EX			500	POP RCPT	18
19	DSW DIGITAL WALL 1		540			12	20	1	1	20	EX	500			POP RCPT	20
21	DSW/JF CHECKOUT RCPTS	S		360		12	20	1	1	20	EX		500		EXISTING LOAD	22
23	PREMIUM CANDY				1,000	12	20	1	1	20	EX			50	EXISTING LOAD	24
25	PHARMACY TUBE BLOWER	₹	2,496			EX	30	2	1	20	EX	500			EXISTING LOAD	26
27				2,496					1	20	EX		500		EXISTING LOAD	28
29					1,000				1	20	EX			500	EXISTING LOAD	30
31	WH-6		1,000			12	20	3	1	20	EX	500			EXISTING LOAD	32
33				1,000					2	50	EX		4,160		EXISTING LOAD	34
35	LTG - FLORAL TRACK				64	12	20	1						4,160		36
37	POP MACHINES		500			EX	20	1	1	20	EX	500			VIDEO CIRCUIT	38
39	EXISTING LOAD			1,000		EX	20	2	1						EQUIPPED SPACE	40
41					1,000				1	20	EX			500	PHARMACY POWER POLE	42
	SUBTOTAL		6,022	6,000	4,568							3,500	6,660	6,710	SUBTOTAL	,
	TOTAL PHASE A - VA	9,522	LOAD		CONN. VA	Α	DF		LOA	AD			CONN. VA	DF		
	AMPS	79	COOLING				1.00	† †	REI	FRIG				1.00		
	TOTAL PHASE B - VA	12,660	HEATING				0	1	SIG	N/DISF	)			1.25		
	AMPS	106	LIGHTING		1,198		1.25	1	KIT	CHEN				1.00		
	TOTAL PHASE C - VA	11,278	RECEPTA	CLES	1,400		1.0/.5	1	EXI	STING			19,870	1.00		
	AMPS	94	MOTORS				1.00	1	LRO	Э МОТ	OR			1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA	33,460	SUPP HEA	λT	3,000		1.00	1	SH	OW WN	NDW			1.25	33,760	VA
	AMPS	93	MISC EQL	JIP	7,992		1.00		LTC	G TRAC	K			1.00	9	94 A

	BUS A MAIN VOLT	NELBOARD: LL (EXISTIN) AMPS: 100A I SIZE/TYPE: 100A MCB FS/PHASE: 208Y/120V, 3PH, 4W FION: 1	G)			AIC RA SERVA MOUN	ROM: ATING: ES: FRO ITING: F	REC	OF ESS	HOUSE ED		_			EQUIPMENT GROUN	ND BU
	CKT	DESCRIPTION	VOL	TAMPS/PH	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PHA	\SE	DESCRIPTION	СК
	NO.		Α	В	С	NO.	AMP			AMP	NO.	Α	В	С	1	NO
EX	1	NEW COMM RACK RCPT	500			EX	20	1	1	20	EX	500			CUST. SERVICE COUNTER	2
A,EX		FIRE ALARM PANEL	300	500		EX	20	1	<u> </u>	20	EX	300	500		EXISTING LOAD	4
EX		RCPT SECURITY ROOM		300	500	EX	20	1		20	EX			500	POSTAL KIOSK	6
EX	7	PHOTO CELL FOR R	500			EX	20	1		20	EX	500			EXISTING LOAD	8
V	9	SPARE					20	1	1	20	EX		500		SECURITY PANEL RCPT	10
ΕX	11	EXISTING LOAD			500	EX	20	1	1	20	12			288	EM LTG - CUST SERVICE/FOH	12
EX	13	EXISTING LOAD	500			EX	20	1	1	20	12	630			EM LTG - CLINIC/PHARMACY	14
EX	15	AUTO DOOR OPENER N	500		EX	20	1	1	20	EX		500		CARRY OUT DOOR OPENER	16	
EX	17	AUTO DOOR OPENER N	500		EX	20	1	1	20	EX			500	SAFE	18	
EX	19	AUTO DOOR OPENER S	500			EX	20	1	1	20	EX	1,200			SECURITY ROOM LTG'	20
EX	21	AUTO DOOR OPENER S		500		EX	20	1		20					SPARE	22
EX	23	S DOOR SPARE			500	EX	20	1	1	20					SPARE	24
EX	25	RED BOX, LOTTO, COINSTAR	500			EX	20	1	1	20					SPARE	26
EX	27	EXISTING LOAD		500		EX	20	1	2	20	EX		1,664		EMERGENCY POLE LIGHT	28
EX	29	EXISTING LOAD			500	EX	20	1						1,664		30
		SUBTOTAL	2,500	2,000	2,500							2,830	3,164	2,952	SUBTOTAL	
		TOTAL PHASE A - VA 5,330	LOAD		CONN. VA	Α	DF		LO	AD			CONN. VA	DF		
		AMPS 44	COOLING				1.00		REI	FRIG			•	1.00		
		TOTAL PHASE B - VA 5,164	HEATING				0		SIG	N/DISF	)			1.25		
		AMPS 43	LIGHTING	;	918		1.25		KIT	CHEN				1.00		
		TOTAL PHASE C - VA 5,452	RECEPTA	CLES			1.0/.5		EXI	STING			15,028	1.00		
		AMPS 45	MOTORS				1.00		LRO	G MOT	OR			1.25	TOTAL DEMAND	
		TOTAL PNLBD - VA 15,946	SUPP HE	AT			1.00		SH	OW WN	IDW			1.25	16,176 V	Ά
		AMPS 44	MISC EQI	JIP			1.00		LTC	3 TRAC	K			1.00	45	Α

,	MAIN VOLT	AMPS: 225A SIZE/TYPE: MLO S/PHASE: 208Y/120V, 3PH, 4V <b>ION: 1</b>	W				SERV	ATING: ES: KIT ITING: F TION: D	CHE	N ESS	ED	Y RATE	D			EQUIPMENT GROUN	ID BU:
1	CKT	DESCRIPTION		VOL	TAMPS/PI		WIRE		Р	Р		WIRE	VOL	TAMPS/PH		DESCRIPTION	CK
L	NO.	,		Α	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO
۱	1	CHINESE PRINTERS		360			12	20	1				4,323				2
۱,	3	CHINESE RICE WARMER/LO	OW.		500		12	20	1	3	50	6		4,323		BAKERY PROOFER	4
۱,	5	CHINESE REF. TABLE				1,080	12	20	1						4,323		6
Γ	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					2,954				2	20	EX			1,664	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				500	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
₹		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
Ĺ	41	TV RCPT		0.070	7.440	500	EX	20	1				00.504	00.700	9,607	OUDTOTAL	42
L		SUBTOTAL		6,978	7,118	7,214	]						22,534	22,769	24,073	SUBTOTAL	
		TOTAL PHASE A - VA 2	29,512	LOAD		CONN. VA	١	DF		LOA	٩D			CONN. VA	DF		
		AMPS	246	COOLING				1.00		REF	FRIG				1.00		
		TOTAL PHASE B - VA 2	29,887	HEATING				0		SIG	N/DISF	)			1.25		
L		AMPS	249	LIGHTING		2,750		1.25		KIT	CHEN			15,049	0.80		
		TOTAL PHASE C - VA	31,287	RECEPTA	CLES	1,080		1.0/.5		EXI	STING			44,805	0.80		_
L		AMPS	261	MOTORS		25,182		1.00		LRC	3 MOTO	OR			1.25	TOTAL DEMAND	
L		TOTAL PNLBD - VA	90,686	SUPP HEA				1.00		SHO	NW WC	IDW			1.25	79,403 VA	A
L		AMPS	252	MISC EQU	IIP	1,820		1.00		LTG	TRAC	K			1.00	220 A	A

	NELBOARD: AB ( AMPS: 225A		-,			FED F	ATING:		1000		MDP2 Y RATEI	)			EQUIPMENT GROU	IND BUS
MAIN	SIZE/TYPE: MLO					SERV	ES: REF	RIG	SER/	NOITA						
VOLT	S/PHASE: 208Y/120V, 3PH,	, 4W				MOUN	ITING: F	REC	ESS	ED						
SECT	ION: 1					LOCA	TION: A	BOV	VE M	IILK/DA	IRY CO	OLER				
CKT	DESCRIPTION	V	VOL	TAMPS/PH	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PHA	\SE	DESCRIPTION	СКТ
NO.			Α	В	С	NO.	AMP			AMP	NO.	Α	В	С		NO.
1	DAIRY ISLAND CASES		500			EX	20	1	1	20	EX	1,200			DAIRY AREA LTG	2
3	DAIRY ISLAND CASES			500		EX	20	1	1	20	EX		1,200		DAIRY AREA LTG	4
5	DAIRY ISLAND RCPT				500	EX	20	1	1	20	EX			1,200	DAIRY AREA LTG	6
7	DAIRY CASES N & E WAL	LS	500			EX	20	1	1	20	EX	1,200			DAIRY AREA LTG	8
9	DAIRY CASES N & E WAL	LS		500		EX	20	1	1	20	EX		500		EXISTING LOAD	10
11	DAIRY ISLAND RCPTS				500	EX	20	1	1	20	EX			500	EXISTING LOAD	12
13	DAIRY ISLAND CASES		500			EX	20	1	1	20	EX	500			NORTH EXIT DOOR ALARM	14
15	DAIRY ISLAND CASES			500		EX	20	1	1	20	EX		500		WEST WALL DAIRY CASES	16
17	COMPRESSOR RACK CT	RL			500	EX	20	1	1	20	EX			500	WEST WALL DAIRY CASES	18
19	LTS ABOVE RACK		500			EX	20	1	1	20	EX	500			WEST WALL DAIRY CASES	20
21	SPARE						20	1	1	20	EX		500		DAIRY CEILING FANS	22
23	SPARE						20	1	1	20					SPARE	24
25	CULLIGAN H20 DISP.		500			EX	20	1	1	20	EX	500			PANEL RCPT	26
27	SPARE						20	1	1	20					SPARE	28
29	SPARE						20	1	1	20					SPARE	30
31			4,804						1						EQUIPPED SPACE	32
33	EXISTING LOAD			4,804		EX	50	3	1						EQUIPPED SPACE	34
35					4,804				1						EQUIPPED SPACE	36
37	EQUIPPED SPACE							1	1						EQUIPPED SPACE	38
39	EQUIPPED SPACE							1	1						EQUIPPED SPACE	40
41	EQUIPPED SPACE							1	1						EQUIPPED SPACE	42
	SUBTOTAL		7,304	6,304	6,304	_					L	3,900	2,700	2,200	SUBTOTAL	
	TOTAL PHASE A - VA	11,204	LOAD		CONN. V	Ą	DF		LOA	AD.			CONN. VA	DF		
	AMPS	93	COOLING			,	1.00		REF	FRIG				1.00		
	TOTAL PHASE B - VA	9,004	HEATING				0		SIG	N/DISP	•			1.25		
	AMPS	75	LIGHTING				1.25			CHEN				1.00		
	TOTAL PHASE C - VA	8,504	RECEPTA	CLES			1.0/.5		EXI	STING			28,712	1.00		
	AMPS	71	MOTORS				1.00		LRO	3 MOTO	OR			1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA	28,712	SUPP HEA	<b>ΑΤ</b>			1.00			NW WC				1.25	28,712	VA
	AMPS	80	MISC EQL	JIP			1.00		LTG	TRAC	K			1.00	80	0 A

LCK HANDLE PADLOCKABLE-OFF DEVICE.

CIRCUIT VIA RELAY PANEL.

SHUNT TRIP CIRCUIT BREAKER.

PROVIDE NEW CIRCUIT BREAKER.

POWER-SWITCHING CIRCUIT BREAKER.

REFER TO ELECTRICAL ONE-LINE/RISER DIAGRAM.

EMERGENCY POWER-SWITCHING CIRCUIT BREAKER.

REUSE EXISTING CIRCUIT BREAKER FOR NEW/REVISED LOAD.

VERIFY EXISTING LOAD AND UPDATE DIRECTORY, IF UNUSED, NOTE AS SPARE

BRANCH CIRCUITRY HAS BEEN UPSIZED TO REDUCE VOLTAGE DROP. ADJUST

CORRECT/REPAIR EXISTING HAZARD TO MAKE CODE COMPLIANT INSTALLATION.

GROUND WIRE SIZE PER CODE. PROVIDE LUG ADAPTORS IF REQUIRED.

HANDLE-ON CLAMP.

AND TURN OFF.

PANELBOARD LEGEND

FUTURE LOAD; NOTE AS SPARE AND TURN OFF.

GFEP GROUND FAULT EQUIPMENT PROTECTION BREAKER (30 mA).

DISCONNECT CIRCUITRY FOR REMOVED LOAD, UPDATE CIRCUIT DIRECTORY TO OL

GROUND-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER (5 mA).

PROVIDE HANDLE-TIE FOR MULTI-WIRE BRANCH CIRCUIT PÉR CODE.

AF ARC FAULT CIRCUIT INTERRUPTER.

SPARE AND TURN OFF.

RED/HANDLE-ON CLAMP.

NOT ALL ABBREVIATIONS ARE USED.

ISOLATED GROUND CIRCUIT.

L# LIGHTING CONTROL SCHEME NUMBER.

C# CIRCUIT VIA LIGHTING CONTACTOR #.

CIRCUIT VIA CURRENT LIMITING DEVICE.

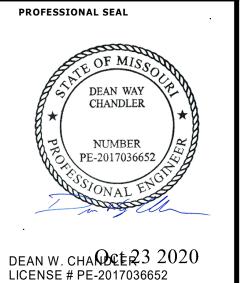
EM EMERGENCY LIGHTING HANDLE-ON CLAMP.

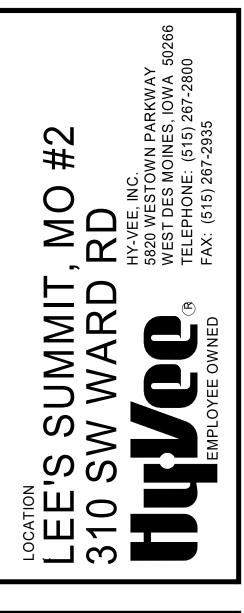
ABBREVIATIONS

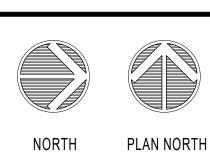
EXISTING.



REVISION







**ELECTRICAL PANEL** SCHEDULES

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

BUS MAIN VOLT	NELBOARD: RPC (NEW)  AMPS: 225A  SIZE/TYPE: MLO  S/PHASE: 208Y/120V, 3PH, 4W  BAR: 1				MOUN	ATING:	OTO SUR	COL	L C DE	MINIMUN FROST	OCOL C // FULLY RA	TED		LINE-SIDE LUGS: MECHAN EQUIPMENT GROUND	
CKT NO.	DESCRIPTION	VOI A	TAMPS/PH	HASE C	WIRE NO.	BKR AMP	Р	Р	BKR AMP	WIRE NO.	VOL A	TAMPS/PH	ASE C	DESCRIPTION	CK NC
1	CONTROL AND RECEPTACLE	1,440			12	20	1	2	30	10	2,820			(C3) 2+5 DR RLN	2
3 5	(C1) 5 DR RLNI DEF HTR		2,016	0.040	10	30	2		30	10		2,820	0.040	+ RLNI DEF HTR	4
7	(C1) 5 DR RLNI DEF HTR	2,016		2,016	10	30	2	2	30	10	2,016		2,016	(C4) 5 DR RLN DEF HTR	6 8
9			2,016					2	30	10		2,016		(C4) 5 DR RLN DEF HTR	10
11	(C1) 2+5 DR RLN + RLNI DEF HTR	2,820		2,820	10	30	2	2	30	10	2,820		2,016	(C4) 2+5 RLN	12
15	(C2) 5 DR RLNI DEF HTR	2,020	2,016		10	30	2				_,0_0	2,820		+ RLNI DEF HTR	16
17 19	(C2) 2+5 DR RLN	2.020		2,016	10	30	2	2	30	10	2.046		2,016	(C5) 5 DR RLNI DEF HTR	18 20
21	+ RLNI DEF HTR	2,820	2,820		10	30	2	2	30	10	2,016	2,016		(C5) 5 DR RLNI DEF HTR	22
23	(C3) 5 DR RLNI DEF HTR			2,016	10	30	2						2,016		24
25 27	(C3) 5 DR RLNI DEF HTR	2,016	2,016		10	30	2	2	30	10	2,820	2,820		(C5) 2+5 DR RLN + RLNI DEF HTR	28
29	(00)		2,010	2,016				1				2,020		EQUIPPED SPACE	30
BUS 31	3AR: 2 (C6) 5 R RLNI DEF HTR	2.016			10	30	2	2	30	10	2.016			(C8) 5 DR RLN DEF HTR	32
33	(CO) 5 K KLNI DEF HTK	2,016	2,016		10	30			30	10	2,016	2,016		(Co) 5 DK KLN DEF HTK	34
35	(C6) 5 R RLNI DEF HTR			2,016	10	30	2	2	30	10			2,016	(C8) 5 DR RLN DEF HTR	36
37 39	(C6) 2+5 DR RLN	2,016	2,820		10	30	2	2	30	10	2,016	3,228		(C8) 8 DR RLN DEF HTR	38 40
41	+RLNI DEF HTR		2,020	2,820								0,220	3,228		42
43 45	(C7) 5 DR DEF HTR	2,016	2.016		10	30	2	2	30	10	2,016	2.046		(C9) 5 DR RLN DEF HTR	44
	(C7) 5 DR DEF HTR		2,016	2,016	10	30	2	2	30	10		2,016	2,016	(C9) 5 DR RLN DEF HTR	48
49		2,016									2,016				50
51 53	(C7) 8 DR RLN DEF HTR		3,228	3,228	10	30	2	2	30	10		2,016	2,016	(C10) 5 DR RLN DEF HTR	52 54
55	PS			0,220			2	2					2,0.0	PS	56
57 59	EQUIPPED SPACE						1	1						EQUIPPED SPACE	58 60
	BAR: 3						· ·	<u>'</u>						EQUIT ED OF NOE	
61	(C2) 5 DR RLNI DEF HTR	2,016	0.010		10	30	2	2	30	10	2,628	0.000		(C12) 8+E FW DEF HTR	62
63 65	(C10) 5 DR RLN DEF HTR		2,016	2,016	10	30	2	2	30	10		2,628	2,628	(C13) 8+E FW DEF HTR	64 66
67		2,016		, -							2,628		, -		68
69 71	PS						2	2	30	10		780	780	(C14) FWE DEF HTR	70 72
73	EQUIPPED SPACE						1	2	30	10	780		700	(C15) FWE DEF HTR	74
75	EQUIPPED SPACE						1					780		20	76
77 79	EQUIPPED SPACE EQUIPPED SPACE						1	2						PS	78 80
81	EQUIPPED SPACE						1	2						PS	82
83 85	EQUIPPED SPACE PS						2	2						PS	84
87							_	_							88
89	EQUIPPED SPACE	22.200	22.000	22.000			1	1			20, 502	25.056	20.740	EQUIPPED SPACE	90
	SUBTOTAL	23,208	22,980	22,980		5-			•		26,592	25,956	20,748	SUBTOTAL	
	TOTAL PHASE A - VA 49,800  AMPS 415	LOAD	i	CONN. VA		DF 1.00		LO/ REI	AD FRIG			CONN. VA	DF 1.00	1	
	TOTAL PHASE B - VA 48,936	HEATING				0		SIG	N/DISI	<b>&gt;</b>			1.25		
	AMPS 408 TOTAL PHASE C - VA 43,728	LIGHTING RECEPTA		1,440		1.25	-		CHEN				1.00 1.00	-	
	AMPS 364	MOTORS		1,440		1.07.5	1		G MOT				1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 142,464	SUPP HE		141,024		0.30		_	1W WO				1.25	43,747 VA	
	AMPS 395 ELBOARD NOTES	MISC EQI	JIP			1.00		LTC	G TRAC	ΣK			1.00	121 A	

	D: 400A "S/PHASE: 208Y/120V, 3PH, 4W <b>BAR: 1</b>				PAN	ELBOAI	RD I			D INTEO	GRALLY M . B	OUNTED			
СКТ	DESCRIPTION	VOL	TAMPS/PH	IASE	WIRE		Р	Р	BKR	WIRE	VOL	TAMPS/PH/	ASE	DESCRIPTION	Cł
NO.		A	В	С	NO.	AMP			AMP	NO.	Α	В	С		N
1	CONTROL AND RECEPTACLE	1,080			12	20	1				2,940			ZFD25KVE	2
3	(B1) (3)KR54E185 FANS		720		12	20	2	3	40	8		2,940		COMP #1	4
5	FAN KILL RELAY			720									2,940		E
7	(B1) KR54E185 DEF HTR	2,604			10	30	2				2,940			ZF25KVE	8
9			2,604					3	40	8		2,940		COMP #2	1
11	(B1) KR54E185 DEF HTR			2,604	10	30	2						2,940		1
13		2,604									3,276			ZF28KVE	1
15	(B1) KR54E185 DEF HTR		2,604		10	30	2	3	40	8		3,276		COMP #3	1
17				2,604						<b>.</b>			3,276		1
	(B4) (2)KR34E111 FANS	288			12	20	2	2	20	12	240			(B5) KR54E185 FANS	2
	FAN KILL RELAY		288	4.500	40	20			20	40		240	0.004	FAN KILL RELAY	2
23	(B4) KR34E11 DEF HTR	4.500		1,560	10	30	2	2	30	10	0.004		2,604	(B5) KR54E185 DEF HTR	2
25	(DA) KD24E44 DEE LITD	1,560	4.500		10	20	_	1			2,604			FOLUBRED CRACE	2
27 29	(B4) KR34E11 DEF HTR		1,560	1,560	10	30	2	1						EQUIPPED SPACE EQUIPPED SPACE	3
	│ BAR: 2			1,560										EQUIFFED SPACE	3
	ZF25KVE	3,372						2	20	12	288			(B6) (3)GL46D180 FANS	3
	COMP #4	3,372	3,372		8	40	3	-	20	'2	200	288		FAN KILL RELAY	3
35	- COMI #4		3,372	3,372		40	٦	2	30	10		200	3.336	(B6) (2)GL46D180 DEF HTR	3
	ZB57KCE	3,828		0,072				-		"	3,336		0,000	]	3
39	COMP #5	0,020	3,828		8	40	3	2	30	10	0,000	1,668		(B6) GLD46D180 DEF HTR	4
41			0,000	3,828								1,000	1,668		4
43	ZB57KCE	3,828		3,020				2	20	12	120		.,	(B7) GL56D225 FANS	4
45	COMP #6		3,828		8	40	3					120			4
47				3,828				2	30	10			2,088	(B7) GL56D225 DEF HTR	4
49		2,592									2,088				5
51	CONDENSER BREAKER		2,592		10	30	3	1	20	12		576		(B8) (4)GL46A180 FANS	5
53				2,592				1						EQUIPPED SPACE	5
55	EQUIPPED SPACE						1	1						EQUIPPED SPACE	5
	EQUIPPED SPACE						1	1	20	12		1,152		(B9) 16 BGGS LTS	5
59	EQUIPPED SPACE						1	1						EQUIPPED SPACE	6
	SUBTOTAL	21,756	21,396	22,668	]					L	17,832	13,200	18,852	SUBTOTAL	
	TOTAL PHASE A - VA 39,588	LOAD		CONN. VA	١	DF		LOA	AD			CONN. VA	DF		
	AMPS 330	COOLING				1.00		REF	FRIG			68,328	1.00	1	
	TOTAL PHASE B - VA 34,596	HEATING				0		SIG	N/DISF	•			1.25		
	AMPS 288	LIGHTING		1,152		1.25		KIT	CHEN				1.00		
	TOTAL PHASE C - VA 41,520	RECEPTA	CLES	1,080		1.0/.5		EXIS	STING				1.00		_
	AMPS 346	MOTORS		3,888		1.00		LRG	3 MOTO	OR			1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 115,704	SUPP HEA		41,256		1.00			AW WC				1.25	115,992 VA	→
	AMPS 321	MISC EQU	JIP			1.00		LTG	TRAC	K			1.00	322 A	<u> </u>

OCP VOL	AMPS: 200A/BUSBAR D: 200A <sup>-</sup> S/PHASE: 208Y/120V, 3PH, 4W <b>3AR: 1</b>				P#	ANELBO	)ARI	D IS		IED INT		MOUNTE	O WITH	EQUIPMENT GROU	JIND BC
CKT	DESCRIPTION	VOL	TAMPS/Ph	HASE	WIRE	BKR	Р	Р	BKR	WIRE	VOL	TAMPS/PH	IASE	DESCRIPTION	СК
NO.		Α	В	С	NO.	AMP			AMP	NO.	Α	В	С		NC
1	CONTROL AND RECEPTACLE	1,080			12	20	1				2,424			ZBD45KCE	2
3	(E1) 30 IM05R FANS	,	360		12	20	1	3	30	10	,	2,424		COMP #1	4
5	(E1) 30 IM05R LTS			708	12	20	1					-	2,424		6
7	(E2) 26 TY36XR FANS	648			12	20	1				1,692			ZB30KCE	8
9	(E2) 26 TY36XR LTS		216		12	20	1	3	30	10		1,692		COMP #2	10
11	(E3) 24 ID5SU FANS			228	12	20	1						1,692		12
13	(E3) 24 ID5SU LTS	336			12	20	1				2,424			ZB45KCE	14
15	(E4) KR26A125 FANS		192		12	20	1	3	30	10		2,424		COMP #3	16
17	(E5) 2 GHSS636R FANS			492	12	20	1						2,424		18
19	(E6) 42 GMDSVR FANS	624			12	20	1	1						EQUIPPED SPACE	20
21	(E10) LH26A94				12	20	1	1						EQUIPPED SPACE	22
23	EQUIPPED SPACE						1	1						EQUIPPED SPACE	24
25	EQUIPPED SPACE						1	1						EQUIPPED SPACE	20
27	EQUIPPED SPACE						1	1						EQUIPPED SPACE	28
29	EQUIPPED SPACE						1	1							30
BUS	BAR: 2														
31	ZB45KCE	2,424						1						EQUIPPED SPACE	32
33	COMP #4		2,424		10	30	3	1						EQUIPPED SPACE	34
35				2,424				1						EQUIPPED SPACE	36
37	ZB57KCE	3,828						1						EQUIPPED SPACE	38
39	COMP #5		3,828		8	40	3	1						EQUIPPED SPACE	4(
41				3,828				1						EQUIPPED SPACE	42
43	EQUIPPED SPACE							1						EQUIPPED SPACE	44
45	COMP #6 (FUTURE)						3	1						EQUIPPED SPACE	40
47								1						EQUIPPED SPACE	48
49		2,592						1						EQUIPPED SPACE	50
51	CONDENSER BREAKER		2,592		10	30	3	1						EQUIPPED SPACE	5
53				2,592				1						EQUIPPED SPACE	54
55	EQUIPPED SPACE						1	1						EQUIPPED SPACE	50
57	EQUIPPED SPACE						1	1						EQUIPPED SPACE	58
59	EQUIPPED SPACE						1	1						EQUIPPED SPACE	6
	SUBTOTAL	11,532	9,612	10,272	]						6,540	6,540	6,540	SUBTOTAL	
	TOTAL PHASE A - VA 18,072	LOAD	•	CONN. VA	\	DF		LO	AD			CONN. VA	DF		
	AMPS 151	COOLING			-	1.00	1 1	RE	FRIG			46,152	1.00		
	TOTAL PHASE B - VA 16,152	HEATING				0		SIG	N/DISF	)		<u> </u>	1.25		
	AMPS 135	LIGHTING		1,260		1.25	1 1		CHEN				1.00	1	
	TOTAL PHASE C - VA 16,812	RECEPTA	CLES	1,080		1.0/.5	1 1		STING				1.00	1	
	AMPS 140	MOTORS		2,544		1.00	1 1		G MOTO				1.25	TOTAL DEMAND	
	TOTAL PNLBD - VA 51,036	SUPP HEA	λT	,		1.00	1 1		OW WN				1.25	51,351	VA
	AMPS 142	MISC EQL				1.00			3 TRAC				1.00	143	_

(	OCPI /OLT	AMPS: 200A/BUSBAR D: 400A "S/PHASE: 208Y/120V, 3PH, 4W B <b>AR: 1</b>				PANI	ELBOA	RD I	_		D INTE( TOCOL	GRALLY M . C	OUNTED		EQUIPMENT GROU	11000
	CKT NO.	DESCRIPTION	VOL	TAMPS/PH	ASE C	WIRE NO.	BKR AMP	Р		BKR AMP	WIRE NO.	VOL A	TAMPS/PH	ASE C	DESCRIPTION	CK
ĸΓ	1	CONTROL AND RECEPTACLE	1,080			12	20	1				2,940			ZFD25KVE	2
⟨┌	3	(C1) 5 DR RLNI FANS/HTRS	,	996		12	20	1	3	40	8	,	2,940		COMP #1	4
⟨┌	5	(C1) 5 DR RLNI FANS/HTRS			996	12	20	1	1					2,940		6
⟨┌	7	(C1) 2+5 DR RLN+RLNI F/H	1,356			12	20	1							ZF28KVE	8
⟨┌	9	(C1) 2+15 DR RLN+RLNI LTS		348		12	20	1	3	40	8				COMP #2	10
Г	11	EQUIPPED SPACE						1								12
Γ	13	EQUIPPED SPACE						1							ZF28KVE	14
	15	EQUIPPED SPACE						1	3	40	8				COMP #3	10
<┌	17	(C3) 5 DR RLNI FANS/HTRS			996	12	20	1								18
⟨┌	19	(C3) 5 DR RLNI FANS/HTRS	996			12	20	1	1	20	12	348			(C4) 2+15 DR RLN+RLNI LTS	20
⟨┌	21	(C3) 2+5 DR RLN+RLNI F/H		1,356		12	20	1	1	20	12		996		(C5) 5 DR RLNI FANS/HTRS	22
⟨┞	23	(C3) 2+15 DR RLN+RLNI LTS			348	12	20	1	1	20	12			996	(C5) 5 DR RLNI FANS/HTRS	24
⟨┌	25	(C4) 5 DR RLN FANS/HTRS	996			12	20	1	1	20	12	1,356			(C5) 2+5 DR RLN+RLNI F/H	26
⟨┌	27	(C4) 5 DR RLN FANS/HTRS		996		12	20	1	1	20	12	,	348		(C5) 2+15 DR RLN+RLNI LTS	28
κŀ	29	(C4) 2+5 DR RLN+RLNI F/H			1,356	12	20	1	1						EQUIPPED SPACE	30
l		BAR: 2														
t		ZF28KVE	3,276						1	20	12	996			(C6) 5 DR RLNI FANS/HTRS	32
⟨├		COMP #4		3,276		8	40	3	1	20	12		996		(C6) 5 DR RLNI FANS/HTRS	34
Ť	35			3,21	3,276				1	20	12			1,356	(C6) 2+5 DR RLN+RLNI F/H	36
H		ZF28KVE	3,276		0,210				1	20	12	348		1,000	(C6) 2+15 DR RLN+RLNI LTS	38
κŀ	39	COMP #5	0,210	3,276		8	40	3	1	20	12	040	996		(C7) 5 DR RLN FANS/HTRS	40
`\	41			0,270	3,276				1	20	12		000	996	(C7) 5 DR RLN FANS/HTRS	42
H	43	ZF28KVE	3,276		3,270				1	20	12	1,572		990	(C7) 8 DR RLN FANS/HTRS	44
ĸŀ	45	COMP #6	3,210	3,276		8	40	3	1	20	12	1,572	348		(C7) 18 DR RLN LTS	46
`\	47	COM #0		3,270	376	0	40	١	1	20	12		340	996	(C8) 5 DR RLN FANS/HTRS	48
H	49		2.502		3/0				1	20	12	006		990	(C8) 5 DR RLN FANS/HTRS	50
Ļ		CONDENSER BREAKER	2,592	2.502		10	30	3	1	20	12	996	000		(C8) 5 DR RLN FANS/HTRS	52
Κļ		CONDENSER BREAKER		2,592	0.500	10	30	٥	$\vdash$				996	0.40	· · ·	
$\perp$	53	FOLUDDED CDACE			2,592			4	1	20	12			348	(C8) 18 DR RLN LTS	54
$\perp$		EQUIPPED SPACE						1	1						EQUIPPED SPACE	56
H		EQUIPPED SPACE						1	-						EQUIPPED SPACE	58
		EQUIPPED SPACE  BAR: 3						1	1						EQUIPPED SPACE	60
-			000			10	20	4							EQUIPPED SPACE	
ΚĮ	61	(/-	996	000		12	20	1	-							62
ΚĮ	63	( )		996		12	20	1							EQUIPPED SPACE	64
ΚĹ		EQUIPPED SPACE	200			40	00	1	1						EQUIPPED SPACE	66
ΚĹ	67	(C9) 10 DR RLN LTS	300			12	20	1	1						EQUIPPED SPACE	68
K	69	(C10) 5 DR RLN FANS/HTRS		996		12	20	1	1						EQUIPPED SPACE	70
ΚĹ	71	· /			996	12	20	1	1						EQUIPPED SPACE	72
K	73	(C10) 10 DR RLN LTS	300			12	20	1	1						EQUIPPED SPACE	74
ΚĻ	75	(C2) 5 DR RLNI FANS/HTRS		996		12	20	1	1						EQUIPPED SPACE	76
ΚĻ	77	(C2) 5 DR RLNI FANS/HTRS			996	12	20	1	1						EQUIPPED SPACE	78
ΚĻ	79	,	1,356			12	20	1	$\vdash$						EQUIPPED SPACE	80
ΚĻ	81	,		348		12	20	1	$\vdash$						EQUIPPED SPACE	82
ΚĻ	83	(C12) 8+E FW FANS/HTRS			288	12	20	1	-						EQUIPPED SPACE	84
ΚĹ	85	(C13) 8+E FW FANS/HTRS	288			12	20	1	1						EQUIPPED SPACE	86
ΚĹ	87	(C14) FWE FANS/HTRS		72		12	20	1	-						EQUIPPED SPACE	88
ΚĹ	89	(C15) FWE FANS/HTRS			72	12	20	1	1						EQUIPPED SPACE	90
L		SUBTOTAL	20,088	19,524	15,568						Į	8,556	7,620	7,632	SUBTOTAL	
Γ		TOTAL PHASE A - VA 28,644	LOAD		CONN. VA	\	DF		LOA	.D			CONN. VA	DF		
$\vdash$		AMPS 239	COOLING			•	1.00		REF				43,180	1.00	1	
F		TOTAL PHASE B - VA 27,144	HEATING				0			N/DISF	,		, **	1.25	1	
t		AMPS 226	LIGHTING	i	3,384		1.25			CHEN				1.00	1	
H		TOTAL PHASE C - VA 23,200	RECEPTA		1,080		1.0/.5			STING				1.00	1	
H		AMPS 193	MOTORS		31,344		1.00			MOTO	DR			1.25	TOTAL DEMAND	$\neg$
H		TOTAL PNLBD - VA 78,988	SUPP HEA	AT	1,511		1.00			W WN				1.25	79,834 \	/A
+		AMPS 219	MISC EQU				1.00			TRAC				1.00	222	_
$\perp$		ELBOARD NOTES	1		1						-		,	1.00		* 1

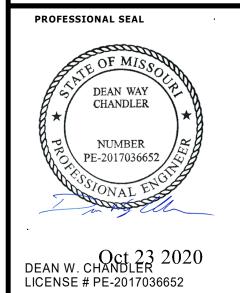
HENDERSON
ENGINEERS

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

REVISION

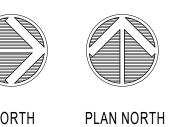


SUMMIT, MO #2

W WARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935





REFRIGERATION ELECTRICAL SCHEDULES

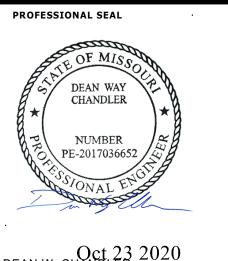
PROJECT MANAGER	CHECKED BY:
SL	HEI
DRAWN BY:	DATE:
HENDERSON	10/19/2020
SCALE:	JOB NUMBER:
AS NOTED	62930547
SHEET:	

**ELECTRICAL PLAN NOTES** 

- 1 REFER TO STARBUCKS DRAWINGS (BY OTHERS) FOR POWER & SYSTEMS SCOPE
- OF WORK.
- 2 REFER TO SHEET E4.4 (SHEET BY OTHERS) FOR POWER & SYSTEMS SCOPE
- 3 EXISTING ROOM/SPACE TO REMAIN . COORDINATE REMODEL WORK WITH CONSTRUCTION PHASE AND OVERALL
- PLAN FOR REMODEL OF STORE. 4 ROUTE CONDUIT(S)
  CONCEALED/UNDERSLAB TO NEAREST
  FULL HEIGHT WALL FOR CONTINUATION.
- COORDINATE STUB-UP LOCATION WITH OWNER AND OTHER TRADES PRIOR TO ROUGH-IN. REFER TO PE1.1 ELECTRICAL STUBUP PLAN FOR MORE INFORMATION. 5 REVISE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT.
  COORDINATE EXACT CONDUIT ROUTING
- WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE REPLACE. 6 IF SWITCH IS NOT FURNISHED WITH AUTO
- DOOR THEN PROVIDE ON/OFF SERVICE SWITCH AND RELATED CIRCUITRY WITHIN SIGHT OF MOTOR PER CODE. COORDINATE REQUIREMENTS WITH DOOR INSTALLER AND OWNER PRIOR TO
- ROUGH-IN.
- 7 PROVIDE JUNCTION BOX FOR CONNECTION TO HUMIDOR SHELVING LED LIGHTING. COORDINATE REQUIREMENTS WITH HUMIDOR INSTALLER AND OWNER PRIOR TO ROUGH-IN.

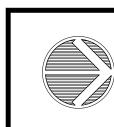
HENDERSON ENGINEERS 8345 LENEXA DRIVE, SUITE 300 LENEXA, KS 66214 TEL 913.742.5000 FAX 913.742.5001 WWW.HENDERSONENGINEERS.COM 1950003081 MO. CORPORATE NO: E-556D EXPIRES 12/31/2020

REVISION



Oct 23 2020 DEAN W. CHANDLER LICENSE # PE-2017036652

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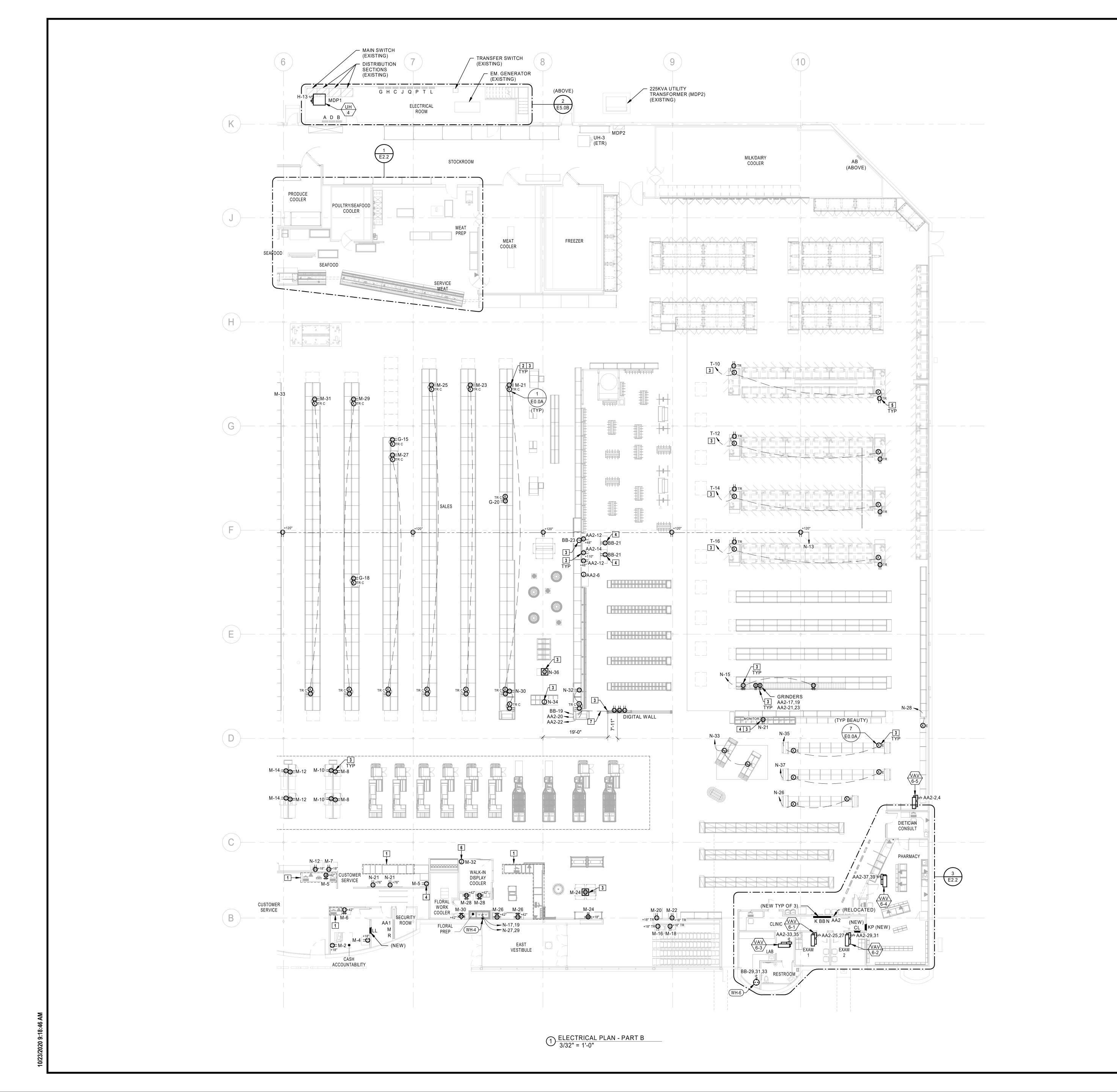




ELECTRICAL PLAN - PART A

DRAWN BY: HENDERSON 10/19/2020 SCALE: JOB NUMBER: AS NOTED 62930547

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



**ELECTRICAL PLAN NOTES** 

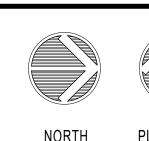
- 1 REFER TO SHEET E4.4 (SHEET BY OTHERS) FOR POWER & SYSTEMS SCOPE OF WORK. 2 REVISE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT. COORDINATE EXACT CONDUIT ROUTING WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE REPLACE.
- 3 ROUTE CONDUIT(S) CONCEALED/UNDERSLAB TO NEAREST FULL HEIGHT WALL FOR CONTINUATION. COORDINATE STUB-UP LOCATION WITH OWNER AND OTHER TRADES PRIOR TO ROUGH-IN. REFER TO PE1.1 ELECTRICAL STUBUP PLAN FOR MORE INFORMATION.
- 4 INSTALL RECEPTACLE(S) AND DATA BOX(ES) IN AN ACCESSIBLE LOCATION UNDER COUNTER IN MILLWORK; LOCATE SUCH THAT DRAWERS AND DIVIDERS DO NOT BLOCK ACCESS TO DEVICE. COORDINATE LOCATION WITH OWNER AN OTHER TRADES PRIOR TO ROUGH-IN.
- 5 RECEPTACLES MOUNTED IN THE BASEPLATE OF THE CASE. ROUTE ELECTRICAL FROM CASE ROUGH-IN LOCATION. COORDINATE MOUNTING OF RECEPTACLE WITH CASE SUPPLIER AND REFRIGERATION CONTRACTOR.
- 6 IF SWITCH IS NOT FURNISHED WITH AUTO DOOR THEN PROVIDE ON/OFF SERVICE SWITCH AND RELATED CIRCUITRY WITHIN SIGHT OF MOTOR PER CODE. COORDINATE REQUIREMENTS WITH DOOR INSTALLER AND OWNER PRIOR TO ROUGH-IN.
- 7 EXTEND 1" CONDUIT UNDERFLOOR FROM WALL TO DIGITAL SHOE WALL WITH THREE 120V CIRCUITS FOR MONITORS.

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

REVISION



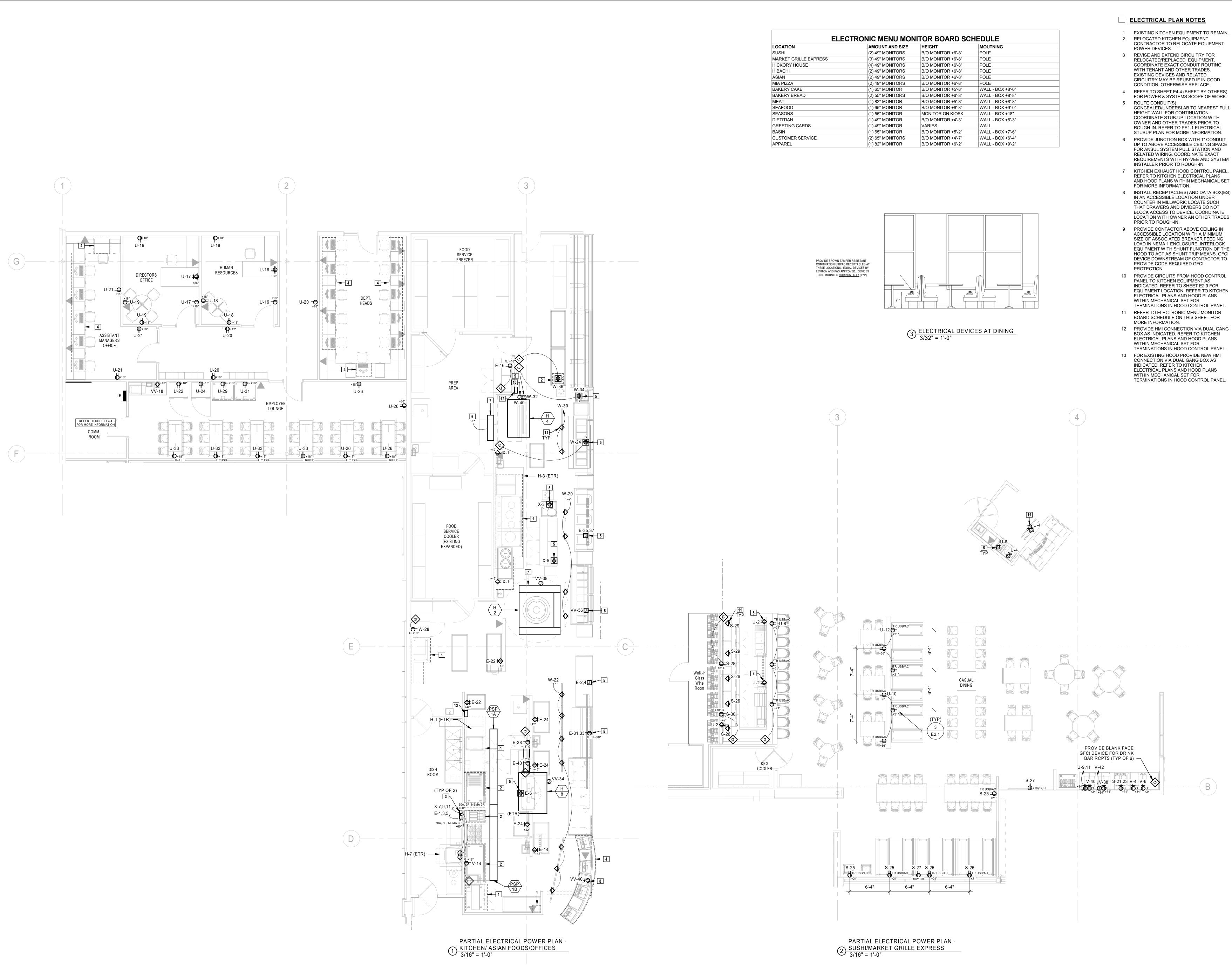
DEAN W. CRACD 2 2020 LICENSE # PE-2017036652



PLAN NORTH

ELECTRICAL PLAN - PART B

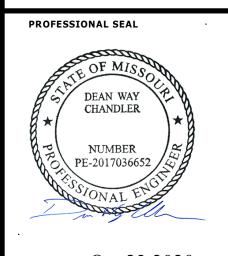
DRAWN BY: HENDERSON SCALE: AS NOTED



- CONCEALED/UNDERSLAB TO NEAREST FULL
- 8 INSTALL RECEPTACLE(S) AND DATA BOX(ES)
- 10 PROVIDE CIRCUITS FROM HOOD CONTROL EQUIPMENT LOCATION. REFER TO KITCHEN

REVISION

HENDERSON **L** 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



Oct 23 2020 DEAN W. CHANDLER LICENSE # PE-2017036652

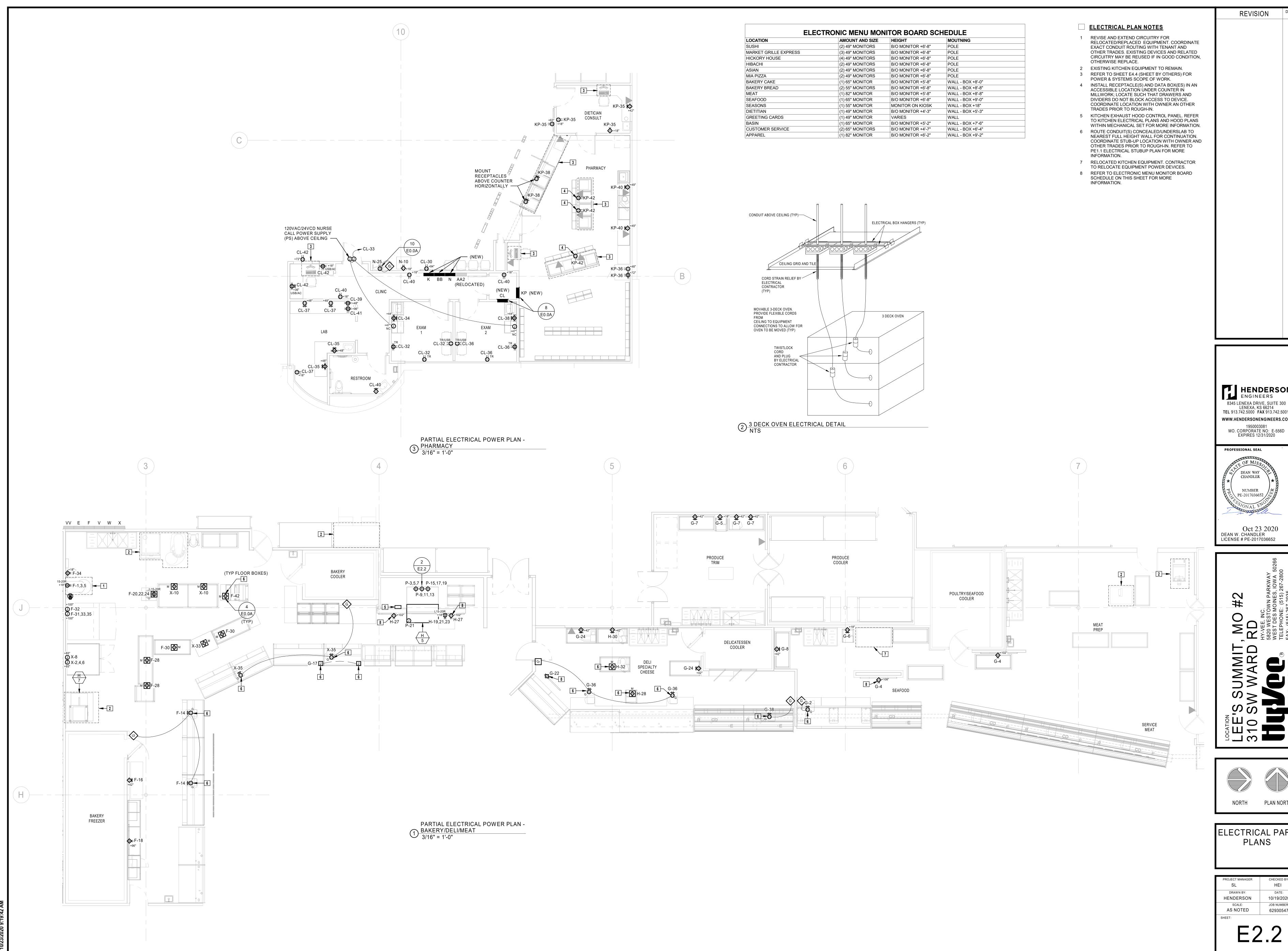




ELECTRICAL PART **PLANS** 

)

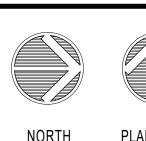
E2.1



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

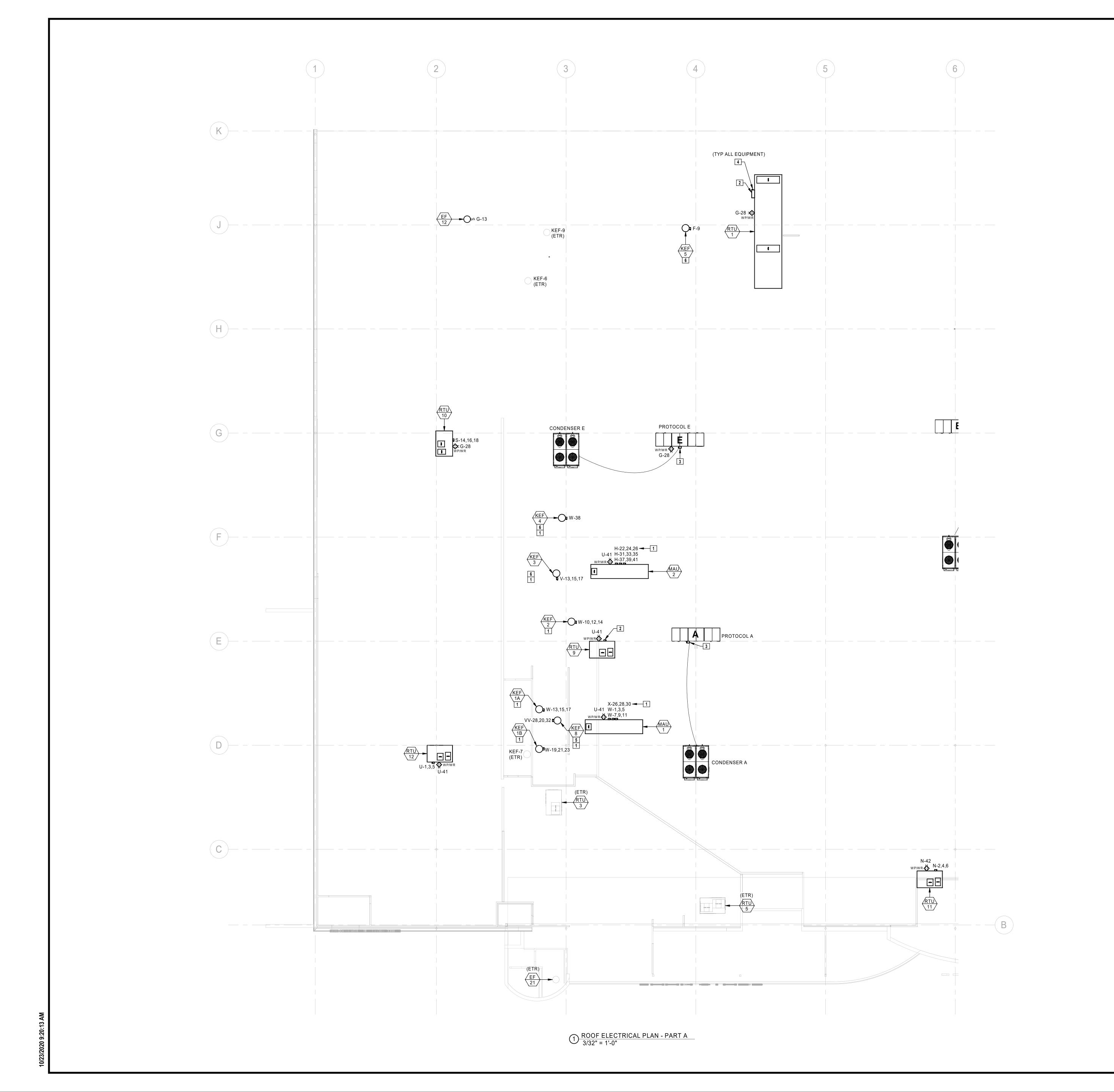


Oct 23 2020 DEAN W. CHANDLER LICENSE # PE-2017036652



PLAN NORTH ELECTRICAL PART

DRAWN BY: HENDERSON SCALE: JOB NUMBER: AS NOTED 62930547

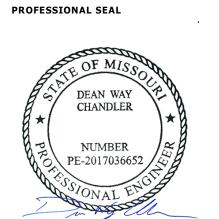


**ELECTRICAL PLAN NOTES** 

- 1 INTERLOCK WITH HOOD CONTROL PANEL. REFER TO SHEET E2.1.
- 2 ROUTE POWER TO MDP1 LOCATED IN THE ELECTRICAL ROOM. REFER TO E1.0 FEEDER RISER DIAGRAM FOR MORE INFORMATION. 3 ROUTE POWER TO MRP LOCATED ON THE REFRIGERATION MEZZANINE. REFER TO E1.0
- FEEDER RISER DIAGRAM FOR MORE INFORMATION. 4 PROVIDE CIRCUITRY TO DISCONNECT FURNISHED WITH MECHANICAL EQUIPMENT.
- 5 ROUTE CIRCUIT VIA HOOD CONTROL PANEL. REFER TO SHEET E2.1.
- 6 PROVIDE INTERLOCK WITH COOKING EQUIPMENT BELOW. FAN SHALL COME "ON" WHEN COOKING EQUIPMENT IS IN OPERATION. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

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

REVISION

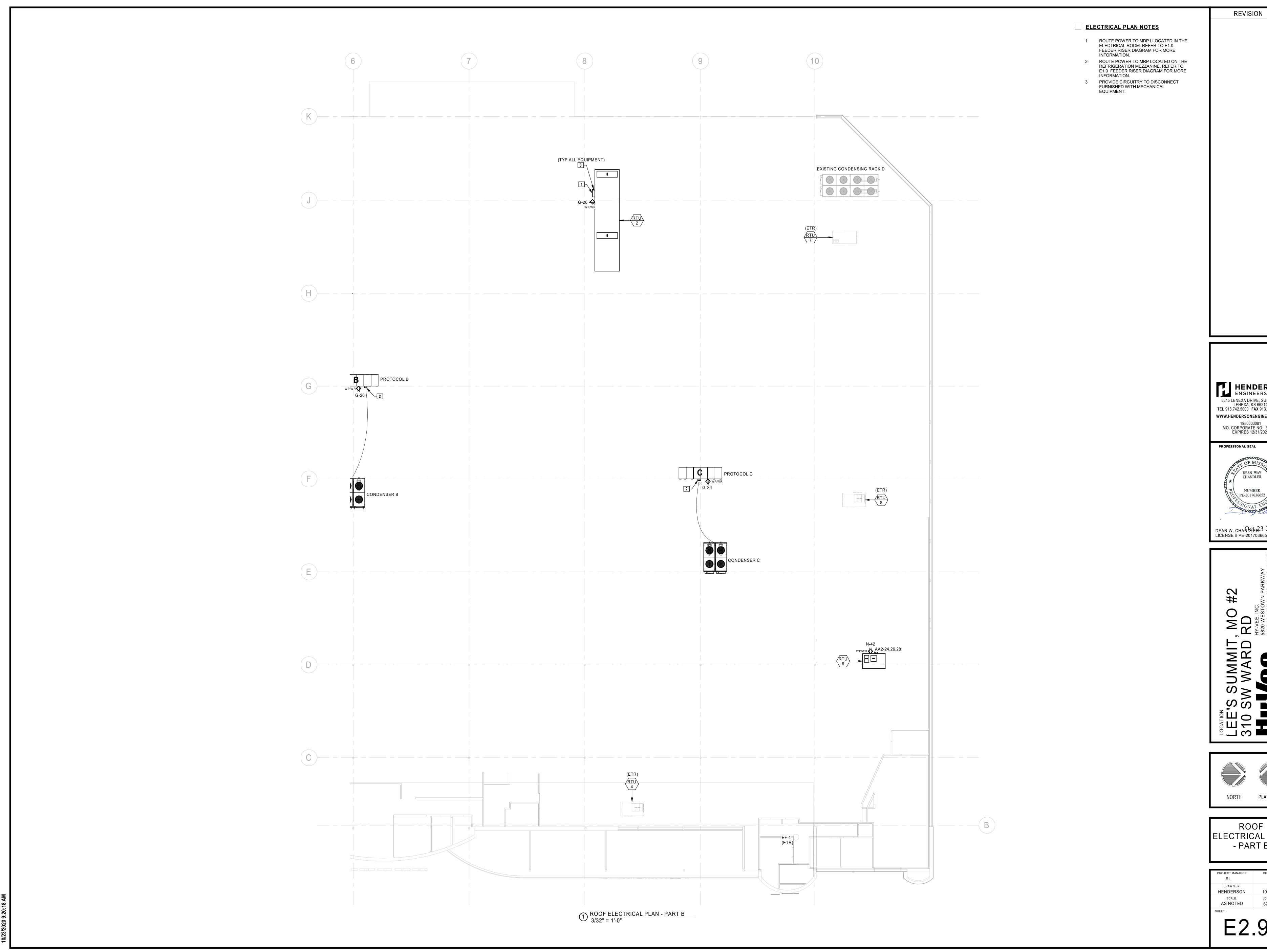


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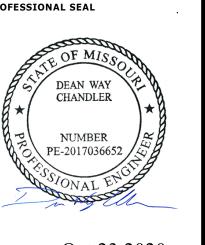


ROOF ELECTRICAL PLAN - PART A

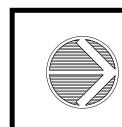
DRAWN BY: HENDERSON SCALE: AS NOTED



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DEAN W. CHANDEE 23 2020 LICENSE # PE-2017036652



ROOF ELECTRICAL PLAN - PART B

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

E2.9B

### **LIGHTING GENERAL NOTES:**

- 1. THE EMERGENCY LIGHTING SYSTEM HAS BEEN DESIGNED TO PROVIDE AN INITIAL FLOOR ILLUMINANCE LEVEL OF 1 FC AVERAGE, 0.1 FC MINIMUM AND NO MORE THAN A 40:1 MAX/MIN RATIO ALONG THE EMERGENCY EGRESS PATHS. WHERE
- DOOR FRAME AND CENTERED ABOVE DOOR OPENING, UNLESS NOTED OTHERWISE. CEILING/PENDANT MOUNTED EXIT SIGNS SHALL BE SUSPENDED TO 12'-0" AFF IN CUSTOMER AREAS OPEN TO STRUCTURE, AT BOTTOM OF BAR JOISTS IN BACKROOM AREAS AND ON FINISHED CEILING WHERE APPLICABLE, UNLESS NOTED OTHERWISE. EXIT SIGNS SHALL BE READILY VISIBLE FROM DIRECTION OF EGRESS TRAVEL. COORDINATE FINAL EXIT SIGN LOCATIONS WITH AHJ AND OWNER.
- LIGHT FIXTURE(S) THAT THE SWITCH CONTROLS AND THE RESPECTIVE "PNLBD-CKT#" DESIGNATION. A SINGLE LIGHT SPACE CONTROLLED SINCE IT IS INTUITIVELY OBVIOUS. INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
- ALL REMOTELY LOCATED LIGHT FIXTURE POWER SUPPLIES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH PROPER VENTILATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONCEAL DEVICES AND RELATED WIRING FROM CUSTOMER/PUBLIC VIEW. PROVIDE ENCOSURE IF REQUIRED. COORDINATE LOCATION AND ENCLOSURE TYPE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- PER 2017 NEC 700.2 AND 700.24, ALL DIRECTLY CONTROLLED LUMINAIRES USED FOR EMERGENCY ILLUMINATION AND ALL APPLICABLE CONTROLS SHALL HAVE UL 924 LISTING OR EQUIVALENT NRTL LISTING. IF EMERGENCY LUMINAIRE OR CONTROL MANUFACTURER DOES NOT HAVE APPROPRIATE TO 0-10V DIMMING SYSTEM.

AND FOOD PREP AREAS SHALL BE LED TYPE OR PROVIDED SHATTERPROOF LAMPS. VERIFY THAT ALL AREAS ARE PROPERLY PROTECTED AFTER STORE SET-UP IS COMPLETE. (NSF) CERTIFICATION IF REQUIRED BY THE AHJ.

- REFER TO THE ARCHITECTURAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS, MOUNTING HEIGHTS, TRACK LENGTHS AND ADDITIONAL MOUNTING INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT COORDINATION AND CONFLICT ISSUES ARE RESOLVED PRIOR TO INSTALLATION OF LIGHT FIXTURES. CONTACT ARCHITECT/ENGINEER IMMEDIATELY IF THERE ARE DISCREPANCIES.
- THROUGH WIRING OF RECESSED LIGHT FIXTURES, IN SUSPENDED CEILINGS, IS NOT PERMITTED. CONNECT EACH LIGHT FIXTURE BY A WHIP TO A JUNCTION BOX. PROVIDE CABLE WHIPS OF SUFFICIENT LENGTHS TO ALLOW FOR RELOCATING EACH LIGHT FIXTURE WITHIN A 5'-0" RADIUS OF ITS INDICATED LOCATION. CABLE WHIPS SHALL NOT EXCEED 6'-0" OF UNSUPPORTED LENGTHS.
- PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL MOUNTED LINE VOLTAGE LIGHT SWITCHES, UNLESS NOTED OTHERWISE IF NEUTRAL TERMINATION IS NOT REQUIRED FOR THE DEVICE THEN CAP CONDUCTOR AND TAG AS "NEUTRAL FOR FUTURE
- COORDINATE ALL OCCUPANCY/VACANCY SENSOR SETTINGS WITH OWNER AND ADJUST AS NECESSARY FOR PROPER OPERATION. SETTINGS MUST COMPLY WITH AHJ AND LOCAL ENERGY CODE REQUIREMENTS.
- OF AIR DIFFUSER OR SIMILAR OBSTRUCTION THAT MAY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

# LIGHTING DESIGN RESPONSIBILITY GENERAL NOTES:

THE LOCATION AND SELECTION OF THE LIGHT FIXTURES WERE MADE BY OTHERS AND ARE OUTSIDE OF THE SCOPE OF WORK OF HENDERSON ENGINEERS, UNLESS NOTED OTHERWISE. HENDERSON ENGINEER'S SCOPE OF SERVICES IS LIMITED TO PROVIDING LIGHTING POWER CIRCUIT AND CONTROL DESIGN AND CODE COMPLIANCE CALCULATIONS. THE USE OF THE SEAL AND SIGNATURE ON THIS SHEET APPLIES TO HENDERSON ENGINEER'S SCOPE OF SERVICES ONLY.

# LIGHTING FLOOR PLAN NOTES

- REPLACE EXISTING LAMP(S) IN THIS AREA WITH LED REPLACEMENT WITH INTEGRATED DRIVER OF SIMILAR LUMEN OUTPUT. LED REPLACEMENT SHALL BE COMPATIBLE WITH EXISTING BALLAST(S), SOCKETS AND CONTROLS. PROVIDE LED REPLACEMENT BY GE, PHILLIPS, OR OTHER APPROVED NRTL LISTED PRODUCT. PROVIDE SUBMITTAL OF PROPOSED LED REPLACEMENT TO ENGINEER AND OWNER FOR REVIEW PRIOR TO ORDER. REPAIR OR REPLACE ANY DAMAGED SOCKETS OR BALLASTS TO ENSURE PROPER OPERATION. FINAL INSTALLATION SHALL MEET ALL CODE REQUIRED LIGHT LEVEL REQUIREMENTS AND SHALL FUNCTION PROPERLY WITH EXISTING
- MAINTAIN CONNECTION TO EXISTING NORMAL LIGHTING AND IF IN GOOD CONDITION AND NEW DESIGN CRITERIA CAN BE MET, OTHERWISE REPLACE.
- WITH CONSTRUCTION PHASE AND OVERALL PLAN FOR REMODEL OF

4 VERIFY LOCATION OF LED LIGHTING CONTROLLER (MAGNETIC DIMMABLE

- MARKET GRILLE SWITCHBANK. COORDINATE FINAL LOCATION WITH
- LOCATE TRANSFORMER IN ACCESSIBLE LOCATION ABOVE CEILING
- HY-VEE PRIOR TO ROUGH-IN.
- EXACT LOCATION AND REQUIREMENTS WITH HY-VEE PRIOR TO
- RELOCATE LIGHT FIXTURE(S) AS SHOWN AND REVISE AND EXTEND RELATED CIRCUITRY.

APPLICABLE, ADJUST AIMING OF EMERGENCY LIGHTS AS REQUIRED TO PROVIDE PROPER ILLUMINATION AT FLOOR AVOIDING OBSTACLES AND SHADOWS AFTER STORE SET-UP IS

WALL MOUNTED EXITS SIGNS SHALL BE MOUNTED 12" ABOVE

PROVIDE LABEL AT EACH MANUAL LIGHT SWITCH INDICATING THE SWITCH FOR A SMALL ROOM DOES NOT NEED TO INDICATE THE COORDINATE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO

LISTING THE EMERGENCY LUMINAIRE SHALL NOT BE CONNECTED

### LIGHTING GENERAL NOTES (GROCERY):

- ALL LIGHT FIXTURES OVER OPEN FOOD AREAS, COFFIN CASES WITH PROTECT-A-LAMP COVERS OR EQUIVALENT SHIELDED OR LIGHT FIXTURES IN FOOD PROCESSING AREAS SHALL BE EASILY CLEANABLE AND SUITABLE FOR THE LOCATION. USE PRODUCTS WITH THE APPROPRIATE NATIONAL SANITATION FOUNDATION
- COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN WALK-IN COOLERS AND FREEZERS WITH REFRIGERATION COILS AND OTHER TRADES.

### **LIGHTING SUPPLEMENTAL SPECIFICATIONS:**

- DO NOT INSTALL OCCUPANCY/VACANCY SENSORS WITHIN 48" ADVERSLY AFFECT THE SENSOR PERFORMANCE. COORDINATE FINAL SENSOR LOCATIONS WITH OTHER TRADES AND INSTALL

- 2 CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUIT AND CONTROLS. EMERGENCY LIGHTING CIRCUIT(S) FOR PROPER OPERATION. EXISTING RACEWAY, CIRCUITRY AND RELATED APPURTENANCES MAY BE REUSED
- EXISTING ROOM/SPACE TO REMAIN . COORDINATE REMODEL WORK
- DRIVER). LOCATE CONTROLLED IN ACCESSIBLE LOCATION. ROUTE LOW VOLTAGE CABLE IN WALL SPACE TO LED LIGHTING BEHIND ACRYLIC
- HY-VEE PRIOR TO ROUGH-IN. REFER TO 2/E3.1.
- TRACK LIGHTING TO BE CONTROLLED VIA EXISTING LIGHTING CONTROL
- ELEMENT. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH
- PROVIDE JUNCTION BOX FOR BEER COOLER SIGNAGE, COORDINATE

HENDERSON

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MO. CORPORATE NO: E-556D

EXPIRES 12/31/2020

CHANDLER

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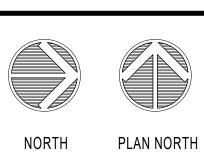
PE-2017036652

DEAN W. CHANDOCER 23 2020

LICENSE # PE-2017036652

PROFESSIONAL SEAL

REVISION



LIGHTING FLOOR PLAN - PART A

DRAWN BY: HENDERSON SCALE: AS NOTED

# **LIGHTING GENERAL NOTES:**

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- SHALL BE SUSPENDED TO 12'-0" AFF IN CUSTOMER AREAS OPEN TO STRUCTURE, AT BOTTOM OF BAR JOISTS IN BACKROOM AREAS AND ON FINISHED CEILING WHERE APPLICABLE, UNLESS NOTED OTHERWISE. EXIT SIGNS SHALL BE READILY VISIBLE FROM DIRECTION OF EGRESS TRAVEL. COORDINATE FINAL EXIT SIGN LOCATIONS WITH AHJ AND OWNER.
- BE LOCATED IN AN ACCESSIBLE LOCATION WITH PROPER VENTILATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONCEAL DEVICES AND RELATED WIRING FROM CUSTOMER/PUBLIC VIEW. PROVIDE ENCOSURE IF REQUIRED. COORDINATE LOCATION AND ENCLOSURE TYPE WITH
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1. ALL LIGHT FIXTURES OVER OPEN FOOD AREAS, COFFIN CASES AND FOOD PREP AREAS SHALL BE LED TYPE OR PROVIDED SHATTERPROOF LAMPS. VERIFY THAT ALL AREAS ARE PROPERLY PROTECTED AFTER STORE SET-UP IS COMPLETE. WITH THE APPROPRIATE NATIONAL SANITATION FOUNDATION (NSF) CERTIFICATION IF REQUIRED BY THE AHJ.

- LINE VOLTAGE LIGHT SWITCHES, UNLESS NOTED OTHERWISE. IF NEUTRAL TERMINATION IS NOT REQUIRED FOR THE DEVICE THEN CAP CONDUCTOR AND TAG AS "NEUTRAL FOR FUTURE
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- 2 CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUIT AND CAN BE MET, OTHERWISE REPLACE.
- 3 TRACK LIGHTING TO BE CONTROLLED VIA EXISTING LIGHTING CONTROL PANEL.
- RELOCATE LIGHT FIXTURE(S) AS SHOWN AND REVISE AND EXTEND RELATED CIRCUITRY.

RATIO ALONG THE EMERGENCY EGRESS PATHS. WHERE APPLICABLE, ADJUST AIMING OF EMERGENCY LIGHTS AS REQUIRED TO PROVIDE PROPER ILLUMINATION AT FLOOR AVOIDING OBSTACLES AND SHADOWS AFTER STORE SET-UP IS WALL MOUNTED EXITS SIGNS SHALL BE MOUNTED 12" ABOVE DOOR FRAME AND CENTERED ABOVE DOOR OPENING, UNLESS NOTED OTHERWISE. CEILING/PENDANT MOUNTED EXIT SIGNS

PROVIDE LABEL AT EACH MANUAL LIGHT SWITCH INDICATING THE LIGHT FIXTURE(S) THAT THE SWITCH CONTROLS AND THE RESPECTIVE "PNLBD-CKT#" DESIGNATION. A SINGLE LIGHT SWITCH FOR A SMALL ROOM DOES NOT NEED TO INDICATE THE SPACE CONTROLLED SINCE IT IS INTUITIVELY OBVIOUS. COORDINATE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.

4. ALL REMOTELY LOCATED LIGHT FIXTURE POWER SUPPLIES SHALL ARCHITECT AND OWNER PRIOR TO INSTALLATION.

TO 0-10V DIMMING SYSTEM.

## LIGHTING GENERAL NOTES (GROCERY):

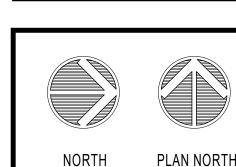
WITH PROTECT-A-LAMP COVERS OR EQUIVALENT SHIELDED OR LIGHT FIXTURES IN FOOD PROCESSING AREAS SHALL BE EASILY CLEANABLE AND SUITABLE FOR THE LOCATION. USE PRODUCTS

COORDINATE FINAL LIGHT FIXTURE LOCATIONS IN WALK-IN COOLERS AND FREEZERS WITH REFRIGERATION COILS AND OTHER TRADES.

### **LIGHTING SUPPLEMENTAL SPECIFICATIONS:**

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- THROUGH WIRING OF RECESSED LIGHT FIXTURES, IN SUSPENDED CEILINGS, IS NOT PERMITTED. CONNECT EACH LIGHT FIXTURE BY A WHIP TO A JUNCTION BOX. PROVIDE CABLE WHIPS OF SUFFICIENT LENGTHS TO ALLOW FOR RELOCATING EACH LIGHT FIXTURE WITHIN A 5'-0" RADIUS OF ITS INDICATED LOCATION. CABLE WHIPS SHALL NOT EXCEED 6'-0" OF UNSUPPORTED LENGTHS.
- PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL MOUNTED
- RECOMMENDATIONS.

CONTROLS. MAINTAIN CONNECTION 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 AND NEW DESIGN CRITERIA



REVISION

HENDERSON

8345 LENEXA DRIVE, SUITE 300

WWW.HENDERSONENGINEERS.COM

1950003081

MO. CORPORATE NO: E-556D EXPIRES 12/31/2020

> DEAN WAY CHANDLER

NUMBER

PE-2017036652

DEAN W. CHANDLER 3 2020

LICENSE # PE-2017036652

PROFESSIONAL SEAL

LENEXA, KS 66214 TEL 913.742.5000 FAX 913.742.5001

LIGHTING FLOOR PLAN - PART B

DRAWN BY: HENDERSON 10/19/2020 SCALE: JOB NUMBER: AS NOTED 62930547

E3.0B

MARKET GRILLE and CASUAL DINING LIGHTING FIXTURE SCHEDULE UPDATED 12-13-19 (NOT ALL FIXTURES LISTED MAY APPLY TO THIS PROJECT) MANUFACTURER/MODEL# VOLTAGE DIMMER MFR LOCATION NOTES TUBE LIGHTING FLEXIBLE STRIP SEE INTERIOR ELEVATION OF BAR FOR TAPELIGHT LOCATIONS TAPELIGHT DSH-HO24V-XX-4'/DSH-DR60-24V L6R20ANZ10UVA/L6R20840VA/L6RDD OVERHEAD 120v SR1200ZTUNV PHILIPS RECESSED CAN SR1000VA-WHITE (2) 15 WATT LAMPS, MAX. 120v SR1000VA-WHITE (2) 15 WATT LAMPS, MAX. DRUM 24"x12" CONTECH RLM592DRB1 OVERHEAD DRUM 24"x21" CONTECH RLM592DRC1 OVERHEAD 120v SR1000VA-WHITE (2) 15 WATT LAMPS, MAX. SR1000VA-WHITE (4) 15 WATT LAMPS, MAX. DRUM 36"x12" CONTECH RLM594DRD1 OVERHEAD DRUM 36"x30" CONTECH RLM594DRE1 120v SR1000VA-WHITE (4) 15 WATT LAMPS, MAX. DRUM 48"x18" CONTECH RLM594DRF1 OVERHEAD 120v SR1000VA-WHITE (4) 15 WATT LAMPS, MAX. SPOT LIGHT CONTECH LIGHTING CTL 806V OVERHEAD TRACK 120v SR1000VA-WHITE VERIFY MOUNTING HEIGHTS FLOOD LIGHT CONTECH LIGHTING CTL 806V OVERHEAD TRACK SR1000VA-WHITE VERIFY MOUNTING HEIGHTS AND METHODS TECH LIGHTING 700MOYLS PENDANT TABLE LIGHTS SR1000VA-WHITE TECH LIGHTING MINI SIGNAL PENDANT CYLINDER - PATH AND CYLINDER SR1000VA-WHITE VERIFY MOUNTING HEIGHT CL6130KMVD2-P-M-CLR-S-CSK18-S EMERGENCY LIGHTING SUSPEND LIGHTING STRINGS BETWEEN CORNERS OF FRAMEWORK WITH 3/16" DIAMETER STAINLESS STEEL SUSPENSION CABLE; INSTALL MODEL T-1023-24-1 150W TRANSFORMER IN ACCESSIBLE LOCATION TUBE LIGHTING, INC. SUSPENDED LIGHTING BPS-307SM-12-WWLED-FRSM-GD-BK-B/54' OVERHEAD AT BAR (2 INDIVIDUAL RUNS) HILIPS/LIGHTOLIER SR1200ZTUNV 1500 LUMEN FIXTURE. PROVIDE DIMMER SWITCH. OVERHEAD 4R10ANZ10UVA/L4R10840VA/L4RDD REFER TO ENERGY MANAGEMENT CONSULTANTS (EMC) DRAWINGS AND SCHEDULES FOR COMPLETE LIST OF LIGHTING REQUIREMENTS INCLUDING LAMP SPECIFICATIONS, BALLASTS, AND MISCELLANEOUS COMPONENTS.

FOR THE RECESSED LIGHTING FIXTURES AND CYLINDER FIXTURES CONNECTED TO THE EMERGENCY LIGHTING PANEL, FURNISH AND INSTALL A PHILLIPS BODINE GENERATOR TRANSFER DEVICE (GTD) TO POWER THE FIXTURE WHEN ENERGIZED FROM THE GENERATOR.

YMBOL	TYPE	EMC LABEL	MANUFACTURER/MODEL #	WATTS	VA	VOLTAGE	LOCATION	NOTES
A8	8' SALES LIGHTING FIXTURE - LED	GSD8LED	GE L-IS-18-B-0-A2-D9-P-40-V-Q-CS-WHTE	101		120	SALES LIGHTING	LED FIXTURE
В8	8' SALES LIGHTING FIXTURE	GSD8	PHILIPS TIKA232-UNV-120-2/2- EBD(B232PUNVDFHAOOC)-P218-WH-FA	146-27		120	SALES LIGHTING	OPEN CEILING E4HKK HANGERS 789276001 TIKA END CAPS
В4	4' SALES LIGHTING FIXTURE	GSD4	PHILIPS IKA232-UNV-120-1/2- EBD(B232PUNVDFHAOOC)-P214-WH-FA	70-14		120	SALES LIGHTING	OPEN CEILING E4HKK HANGER: 789276001 TIKA END CAPS
C4	1X4 BACKROOM UTILITY FIXTURE	PG4	PHILIPS IS232-120-1/2-EB-B232IUNVHP-N	58	64	120	BACKROOMS	
D4	2X4 LED	LED	PHILIPS 2FGG43B-840-4-D-UNV-DIM	44	48	120	SEE PLAN	LED FIXTURE
D1	FIXTURE	LED ENT	PHILIPS 2FGG43B-840-4-D-UNV-DIM/FMA24	44	48	120	SEE PLAN	LED FIXTURE (entry cart storage)
F	2X2 LED FIXTURE	LED22 UP62	PHILIPS 2FGG38B-840-2-D-UNV-DIM	54	60	120	SEE PLAN	LED FIXTURE
D	2X4 LED FIXTURE - FLAT PANEL		PHILIPS 2 FXP 42B 840 4 DS UNV DIM	38	42	120	SEE PLAN	LED FIXTURE - BACK OF HOUSE, AREAS NOT VISIBLE TO CUSTOMER
FC	LOW TEMP FREEZER/COOLER FIXTURE	НО	KINGSPAN LDX-VT-D-4-24	47	52	120	COOLERS FREEZERS	LED FIXTURE SEE DRAWING E5.0
L	MIRROR LIGHT	RW	WAC LIGHTING WS-6724F-30-AL	22	24	120	RESTROOMS	ABOVE MIRROR
Х	EXIT LIGHT	E	MCPHILBEN DBBJ VERWEM	3.4	3.4	120	ALL AREAS	
RC	RECESSED CAN LIGHTING FIXTURE	LEDC	PHILIPS L6R20ANZ10UVA/L6R20840VA/L6RDD	22	24	120	DEPARTMENTS	LED FIXTURE
RR	RESTROOM RECESSED CAN FIXTURE	RR	PHILIPS L6R20ANZ10UVA/L6R20840VA/L6RDD	22	24	120	MOTHER'S ROOM/ RESTROOMS	LED FIXTURE
РН	PHARMACY RECESSED CAN FIXTURE	LEDC	PHILIPS L4R10ANZ10UVA/L4R10840VA/L4RDD	22	24	120	PHARMACY	LED FIXTURE
P2	PENDANT LIGHT FIXTURE AT MEAT CASES	Р	DAYBRITE	9.5	10	120	MEAT DEPT	INSTALLED OVER CASES; E.C. TO PAINT COVER WITH GALVANIZED PAINT TO MATCH FIXTURE
PT	PENDANT LIGHT FIXTURE - DSW & JOE FRESH		TECH LIGHTING POWELL STREET PENDANT 700TDPSP24W WW-LED830 LA17 TRACK CONNECTOR	150	160	120	DSW & JOE FRESH CHECKOUT	
HL OOOOOOOOO RED HEAT LAMPS	HEAT LAMPS (ABOVE ASIAN CASE)		DL-700 (RADIANT HATCO RED)	250	275	120	ASIAN CASE	120 VOLT. MOUNT OVER SEE PLAN FOR TRACK LENGTHS
T1	BAKERY CAKE WALL / SEAFOOD LED	THILW	CONTECH CTL8063VM3D-S LT-4-S LT-8-S LA-10-S LA-2-S	21	23	120	SEAFOOD	LED
T2	DEPARTMENT HEADER TRACK LIGHTING LED	THWHT	CONTECH CTL193 H 4 S (SILVER)	35	38	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
ТЗВ	CANDY/CARDS TRACK LIGHTING LED		CONTECH CTL8063VF3D-B LT-6-P (BLACK TRACK) LA-10-BK (STARTER)	21	23	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
T3W	CANDY/CARDS TRACK LIGHTING LED		CONTECH CTL8063VM3D-W LT-6-P (WHITE TRACK) LA-10-WH (STARTER)	21	23	120	DEPARTMENT TRACK LIGHTING	LED SEE PLAN FOR TRACK LENGTHS
T4	CANDY/CARDS LED		SPUTNICK CUSTOM STEM FIXTURE CONTECH LA-117 CONNECTOR	60	60	120	DEPARTMENT	LED

AREA	CONTROLS	
MAIN 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)	DT-300
KITCHEN	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S)	BZ-50 DT-300
ASIAN KITCHEN	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S)	BZ-50
BAKERY	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S). PROVIDE STYLE-LINE WALL SWITCH FOR CAKE DECORATING TRACK LIGHTS	DT-300 BZ-50
MEAT DEPT	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S). PROVIDE STYLE-LINE WALL SWITCH FOR SEAFOOD TRACK LIGHTS	DT-300 BZ-50
CHEESE ISLAND	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S)	DT-300 BZ-50
PHARMACY	WATTSTOPPER DT-300 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S) FOR 2X2 LIGHTING. PROVIDE STYLE-LINE WALL SWITCH FOR RECESSED FIXTURES AT BULKHEAD OVER PHARMACY COUNTER	DT-300 BZ-50
PHARMACY CONSULT. ROOM	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	PW -100 BZ-50
DEPT HEADS OFFICE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	DT-300 BZ-50
ASSISTANT MANAGER OFFICE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	PW PW-100 BZ-50
EMPLOYEE LOUNGE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	DT-300 BZ-50
CASH ACCOUNTABILITY	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	DT-300 BZ-50
PRODUCE PREPACK	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	DT-300 BZ-50
SCAN ROOM OFFICE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	PW PW-10
ACCOUNTING OFFICE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	PW PW-100 BZ-50
COMMUNICATIONS CLOSET	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	DT-300 BZ-50
WINE and SPIRITS STORAGE	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	DT-300 BZ-50
CLINIC/EXAM ROOMS	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	DT-300 BZ-50
HOME COOKING ROOM	WATTSTOPPER DT-300 OCCUPANCY SENSOR WITH BZ-50 POWER PACK	DT-300 BZ-50
HR OFFICE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK	PW PW-100 BZ-50
DIETITIAN OFFICE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK	PW PW-100 BZ-50
DIRECTORS OFFICE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK	PW PW-100 BZ-50
ACCOUNTING STORAGE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK	PW PW-100 BZ-50
JANITORS CLOSET	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK	PW PW-100 BZ-50
MOTHERS ROOM	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK	PW PW-100 BZ-50
PHARMACY STORAGE	WATTSTOPPER PW-100 WALL SWITCH WITH INTEGRAL BZ-50 POWER PACK	PW PW-100 BZ-50
BACK STOREROOM/DOCK (with SKYLIGHTS)	WATTSTOPPER LS-102 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S)	LS-102 BZ-50
INDIVIDUAL RESTROOMS	WATTSTOPPER CI-200-1 CEILING MOUNTED OCCUPANCY SENSOR (EACH RESTROOM OR STALL) WITH BZ-150 POWER PACK AND DCC2-W WALL CONTROL	CI-200-1 BZ-150 DCC2-\
FREEZERS and COOLERS (except BEER COOLER)	WATTSTOPPER CB-100 OCCUPANCY SENSOR(S) WITH BZ-50 POWER PACK(S). (VERIFY LOCATION OF BZ-50 POWER PACK - INSIDE OR OUTSIDE OF FREEZER/COOLER)	CB-100 BZ-50
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 PANELBOARD BREAKER)	
DEPT HEADER TRACK LIGHTS	NO CONTROLS (TO BE SWITCHED BY PANELBOARD BREAKER)	
NOTES:	•	
	NTROLS WITH DRAWINGS PREPARED BY ENERGY MANAGEMENT	

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
CIRCUIT NUMBER

PROVIDE DEEP BOXES
FOR DIMMER SWITCHES

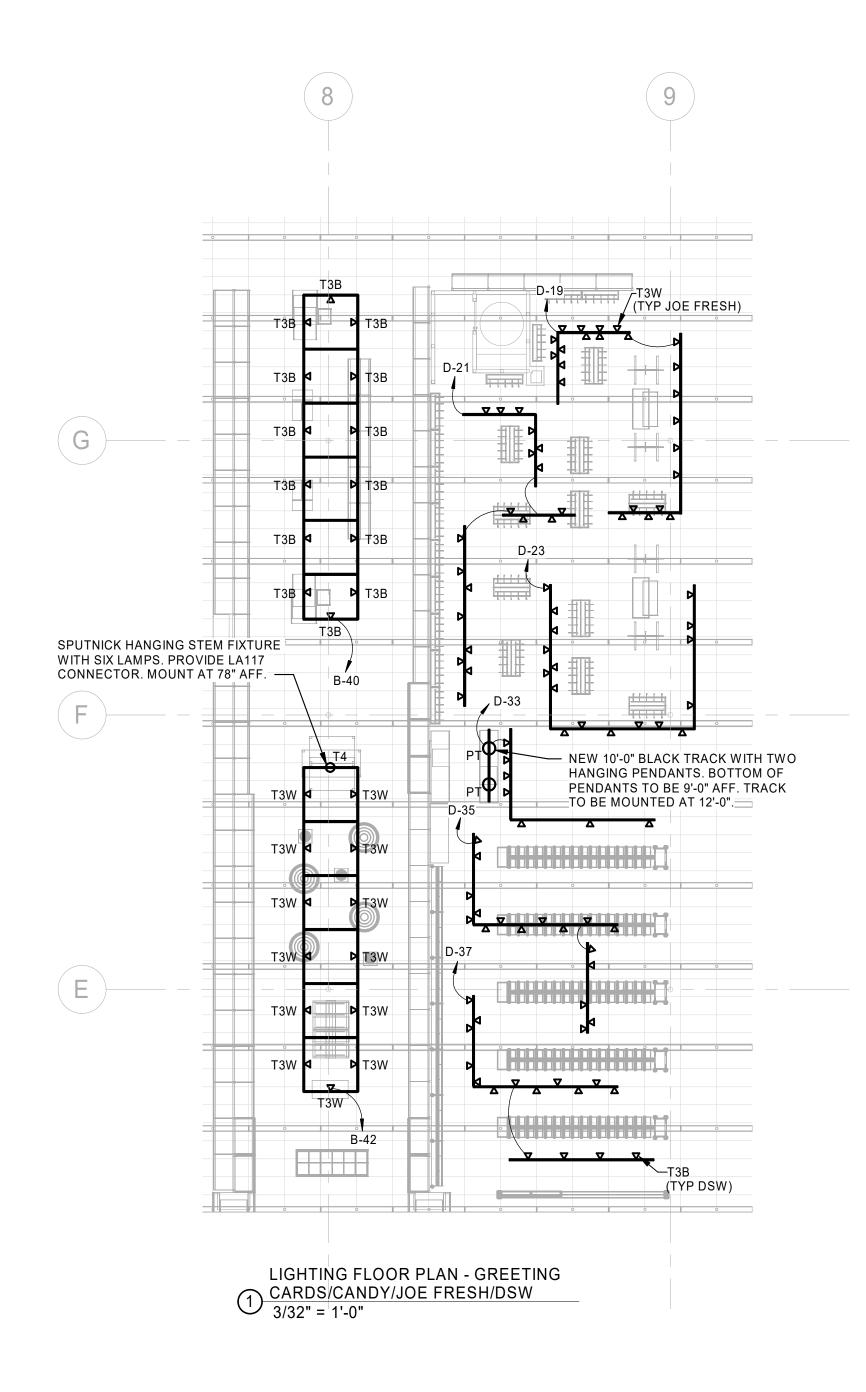
DIMMER 120V BAR RECESSED (CKT: S-6) CKT: L-25) CKT: S-6) CKT: S-10) DIMMER 120V DIMMER 120V CKT: S-8) CKT: S-10) DIMMER 120V CKT: S-10) CVERPLATE

4 GANG COVERPLATE

4 GANG COVERPLATE

5 O DIMMER 120V CKT: S-10) DIMMER 120V DIMMER 120V TRACK PENDANTS (CKT: S-12) CKT: S-12) CKT: S-120 (CKT: S-120) CCVERPLATE

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





SCHEDULES AND

DETAILS

10/19/2020

JOB NUMBER:

62930547

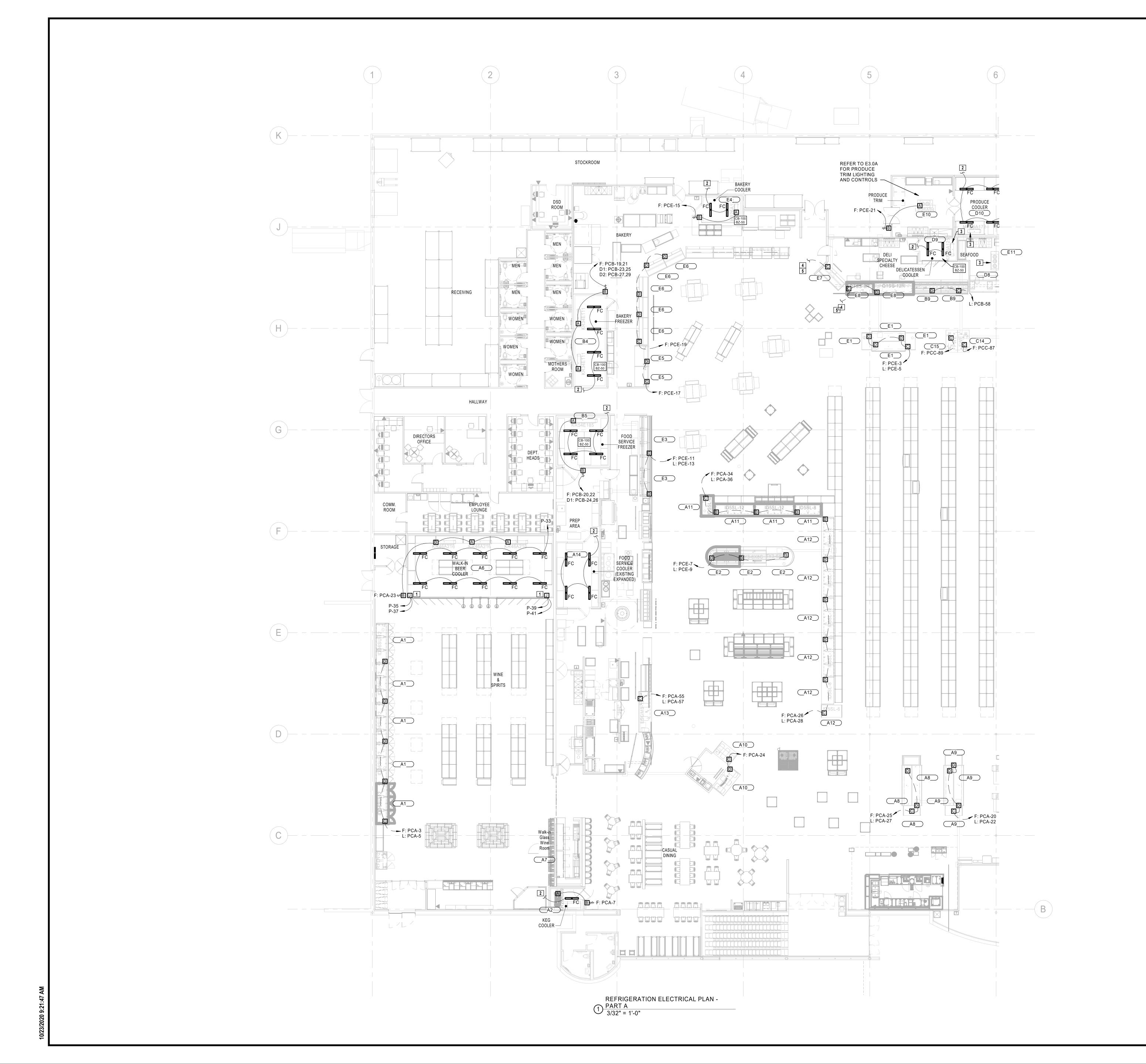
DRAWN BY:

HENDERSON

SCALE:

AS NOTED

REVISION



## REFRIGERATION GENERAL NOTES:

- ALL REFRIGERATION CIRCUITS TERMINATE IN REFRIGERATION EQUIPMENT ROOM.
- ALL SALES AREA REFRIGERATED CASE LIGHTING CIRCUITS ARE GANGED AND SINGLE RUN TO PANEL AS INDICTED.
- ALL COIL FANS IN COOLERS AND FREEZERS SHALL BE WIRED FOR CONTINUOUS OPERATION. COIL FANS IN PRODUCE PREPACK AND MEAT CUTTING ROOMS SHALL BE WIRED THROUGH A SWITCH AND SOLENOID VALVE.
- 4. 1/2" CONDUIT FOR CONTROL SYSTEM, SEE REFRIGERATION DRAWINGS FOR DETAILS. CONDUIT TO BE STUBBED UP AT SAME LOCATION AS ELECTRICAL STUBUP.
- 5. ELECTRICIAN TO PROVIDE ALL CONTROL WIRING FOR REFRIGERATION SYSTEM. VERIFY REQUIREMENTS WITH REFRIGERATION CONTRACTOR.
- 6. WIRE ONE PORCELAIN LAMPHOLDER WITH RED 40W LAMP TO THE CONTROLS OF EACH RACK AND/OR EACH PROTOCOL UNIT. ELECTRICIAN TO FURNISH LAMPHOLDERS AND LAMPS. VERIFY LOCATION WITH REFRIGERATION CONTRACTOR.
- 7. WIRE ONE REMOTE ALARM PANEL. VERIFY LOCATION WITH THE REFRIGERATION CONTRACTOR. (TYPICALLY OUTSIDE THE MACHINE ROOM DOOR)
- 8. PROVIDE WIRING FOR ELECTRIC DEFROST TO DEFROST PANEL WHERE APPLICABLE.
- 9. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO HY-VEE A PARTIAL AS-BUILT DRAWING, ALONG WITH EVERY 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.
- 10. CONTRACTOR TO VERIFY ALL DIMENSIONS FOR ROUGH-INS AND STUB-UPS WITH OWNER BEFORE CONSTRUCTION AND INSTALLATION BEGINS.
- 11. COILS WITH ELECTRIC DEFROST TO BE WIRED FOR 208V-1PH. SEE EQUIPMENT SCHEDULE ON REFRIGERATION DRAWINGS.
- 12. ALL TEMP. SENSORS THAT ARE FIELD INSTALLED IN CASES, COOLERS, FREEZERS, MEAT CUTTING ROOM, PRODUCE PREP ROOM SHALL BE FURNISHED BY REFRIGERATION CONTRACTOR, WIRE PULLED BY ELECTRICIAN AND INSTALLED BY REFRIGERATION CONTROLS CONTRACTOR. REFRIGERATION CONTROLS CONTRACTOR TO TERMINATE AND FURNISH TERMINATION POINT DRAWING.
- 13. ALL REFRIGERATED CASES ARE FACTORY WIRED TO JUNCTION BOX ON CASES AND IDENTIFICATION TAGGED.
- 14. SEE REFRIGERATION DRAWINGS FOR WIRING DIAGRAM FOR CONDENSER AND COMPRESSOR RACK CONTROLS.
- 15. REFRIGERATION CONTRACTOR SHALL FURNISH PIPE HEATING TAPES OF LENGTHS AS REQ'D FOR CONDENSATE DRAIN LINES INSIDE OF WALK-IN FREEZER, BAKERY FREEZER, MEAT COOLER, SEAFOOD COOLER, KITCHEN FREEZER, AND PKGD. MEAT COOLER. INSTALLED BY ELECTRICIAN.
- 16. RUN (2) #14 CONTROL WIRES TO ALL REFRIGERATION CONTROL VALVES FOR EACH SYSTEM, ALL COOLERS AND FREEZERS, ALL LOW TEMP. CASES AND ALL MED TEMP. CASES. WIRES MAY BE RUN IN CONDUIT WITH OTHER POWER LINES. KOOL GAS DEFROST SYSTEMS REQUIRE AN ADDITIONAL PAIR OF #14 CONTROL WIRES, SEE EQUIPMENT SCHEDULE ON REFRIGERATION DRAWINGS.

### REFRIGERATION SYMBOLS

- A CONDUIT FROM OVERHEAD TO JUNCTION BOX ON COIL UNIT. ELECTRICIAN TO PROVIDE EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC... (FIELD VERIFY PANELS, CIRCUITS, ETC...)

  B CONDUIT FROM OVERHEAD TO JUNCTION BOX ON TOP OF CASE, COOLER OR FREEZER. ELECTRICIAN TO PROVIDE EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC... (FIELD VERIFY PANELS, CIRCUITS, ETC...)
- CONDUIT STUBBED UP AT DIMENSION SHOWN WITH 4 X 4 JUNCTION BOX 1" ABOVE FLOOR.
  RUN RIGID CONDUIT TO JUNCTION BOX ON CASE. OR FREEZER. ELECTRICIAN TO PROVIDE
  EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC...(FIELD
  VERIFY PANELS, CIRCUITS, ETC...)

RUN 4X4 JUNCTION BOX 1" ABOVE FLOOR. RUN RIGID CONDUIT TO JUNCTION BOX ON CASE. ELECTRICIAN TO PROVIDE WIRING, CONDUIT, AND CIRCUITS FOR CASE OR COOLER LIGHTS, FANS, ETC. (FIELD VERIFY PANEL, CIRCUITS, ETC.) AND REFRIGERATION CONTROL WIRING. ROUTE WIRING OVERHEAD OR UNDER FLOOR TO CASES IN ORDER TO MINIMIZE FLOOR REMOVAL AND REPLACEMENT AND TO KEEP DISRUPTIONS TO STORE OPERATIONS HELD TO A MINIMUM. COORDINATE ALL ELECTRICAL WITH G.C. AND REFRIGERATION WORK.

A1

REFRIGERATION 'SYSTEM' DESIGNATION. SEE 'R' DRAWINGS FOR FURTHER INFORMATION.

F: FANS D1: DEFROST CIRCUIT 1
L: LIGHTS D2: DEFROST CIRCUIT 2
D3: DEFROST CIRCUIT 3

# REFRIGERATION PLAN NOTES

- PROVIDE NEMA-3R JUNCTION BOX FOR COOLER DOOR LIGHTS AND ANTI-SWEAT HEATERS. PROVIDE CONNECTION TO EACH SET OF DOOR FRAMES. COORDINATE REQUIREMENTS WITH EQUIPMENT INSTALLER AND OTHER TRADES PRIOR TO INSTALLATION AND ADJUST ELECTRICAL PROVISIONS AS NECESSARY
- AND ADJUST ELECTRICAL PROVISIONS AS NECESSARY.

  CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUIT AND CONTROLS. MAINTAIN CONNECTION 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 AND NEW DESIGN
- CRITERIA CAN BE MET, OTHERWISE REPLACE.

  3 EXISTING COOLER/FREEZER AND COIL(S) TO REMAIN.

  4 REVISE AND EXTEND CIRCUITRY FOR
  RELOCATED/REPLACED EQUIPMENT. COORDINATE
  EXACT CONDUIT ROUTING WITH TENANT AND OTHER
  TRADES. EXISTING DEVICES AND RELATED CIRCUITRY
- REPLACE.

  EXISTING CIRCUIT INFORMATION WAS NOT ABLE TO BE DETERMINED FROM ARCHIVED DRAWINGS AND FIELD SURVEYS. CONTRACTOR TO VERIFY INFORMATION ON SITE

MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE

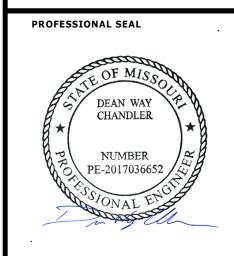
REVISION

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

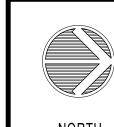
EXPIRES 12/31/2020



DEAN W. CHARETE 3 2020 LICENSE # PE-2017036652

SWWARD RD

HY-VEE, INC.
5820 WESTOWN PARKWAY
WEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
FAX: (515) 267-2935





REFRIGERATION ELECTRICAL POWER PLAN -PART A

SL HEI

DRAWN BY: DATE:

HENDERSON 10/19/2020

SCALE: JOB NUMBER:

AS NOTED 62930547

SHEET:

E5.0A

# **REFRIGERATION GENERAL NOTES:**

- ALL REFRIGERATION CIRCUITS TERMINATE IN REFRIGERATION EQUIPMENT ROOM.
- 2. ALL SALES AREA REFRIGERATED CASE LIGHTING CIRCUITS ARE GANGED AND SINGLE RUN TO PANEL AS INDICTED.
- 3. ALL COIL FANS IN COOLERS AND FREEZERS SHALL BE WIRED FOR CONTINUOUS OPERATION. COIL FANS IN PRODUCE PREPACK AND MEAT CUTTING ROOMS SHALL BE WIRED THROUGH A SWITCH AND SOLENOID VALVE.
- 4. 1/2" CONDUIT FOR CONTROL SYSTEM, SEE REFRIGERATION DRAWINGS FOR DETAILS. CONDUIT TO BE STUBBED UP AT SAME LOCATION AS ELECTRICAL STUBUP.
- 5. ELECTRICIAN TO PROVIDE ALL CONTROL WIRING FOR REFRIGERATION SYSTEM. VERIFY REQUIREMENTS WITH REFRIGERATION CONTRACTOR.
- 6. WIRE ONE PORCELAIN LAMPHOLDER WITH RED 40W LAMP TO THE CONTROLS OF EACH RACK AND/OR EACH PROTOCOL UNIT. ELECTRICIAN TO FURNISH LAMPHOLDERS AND LAMPS. VERIFY LOCATION WITH REFRIGERATION CONTRACTOR.
- 7. WIRE ONE REMOTE ALARM PANEL. VERIFY LOCATION WITH THE REFRIGERATION CONTRACTOR. (TYPICALLY OUTSIDE THE MACHINE ROOM DOOR)
- 8. PROVIDE WIRING FOR ELECTRIC DEFROST TO DEFROST PANEL WHERE APPLICABLE.
- 9. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO HY-VEE A PARTIAL AS-BUILT DRAWING, ALONG WITH EVERY 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
- 10. CONTRACTOR TO VERIFY ALL DIMENSIONS FOR ROUGH-INS AND STUB-UPS WITH OWNER BEFORE CONSTRUCTION AND INSTALLATION BEGINS.
- 11. COILS WITH ELECTRIC DEFROST TO BE WIRED FOR 208V-1PH. SEE EQUIPMENT SCHEDULE ON REFRIGERATION DRAWINGS.
- 12. ALL TEMP. SENSORS THAT ARE FIELD INSTALLED IN CASES, COOLERS, FREEZERS, MEAT CUTTING ROOM, PRODUCE PREP ROOM SHALL BE FURNISHED BY REFRIGERATION CONTRACTOR, WIRE PULLED BY ELECTRICIAN AND INSTALLED BY REFRIGERATION CONTROLS CONTRACTOR. REFRIGERATION CONTROLS CONTRACTOR TO TERMINATE AND FURNISH TERMINATION POINT DRAWING.
- 13. ALL REFRIGERATED CASES ARE FACTORY WIRED TO JUNCTION BOX ON CASES AND IDENTIFICATION TAGGED.
- 14. SEE REFRIGERATION DRAWINGS FOR WIRING DIAGRAM FOR CONDENSER AND COMPRESSOR RACK CONTROLS.
- 15. REFRIGERATION CONTRACTOR SHALL FURNISH PIPE HEATING TAPES OF LENGTHS AS REQ'D FOR CONDENSATE DRAIN LINES INSIDE OF WALK-IN FREEZER, BAKERY FREEZER, MEAT COOLER, SEAFOOD COOLER, KITCHEN FREEZER, AND PKGD. MEAT COOLER. INSTALLED BY ELECTRICIAN.
- 16. RUN (2) #14 CONTROL WIRES TO ALL REFRIGERATION CONTROL VALVES FOR EACH SYSTEM, ALL COOLERS AND FREEZERS, ALL LOW TEMP. CASES AND ALL MED TEMP. CASES. WIRES MAY BE RUN IN CONDUIT WITH OTHER POWER LINES. KOOL GAS DEFROST SYSTEMS REQUIRE AN ADDITIONAL PAIR OF #14 CONTROL WIRES, SEE EQUIPMENT SCHEDULE ON REFRIGERATION DRAWINGS.

# REFRIGERATION SYMBOLS

- CONDUIT FROM OVERHEAD TO JUNCTION BOX ON COIL UNIT. ELECTRICIAN TO PROVIDE EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC... (FIELD
- VERIFY PANELS, CIRCUITS, ETC...)

  CONDUIT FROM OVERHEAD TO JUNCTION BOX ON TOP OF CASE, COOLER OR FREEZER. ELECTRICIAN TO PROVIDE EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC...(FIELD VERIFY PANELS, CIRCUITS, ETC...)
- LIGHTS, FANS, ETC...(FIELD VERIFY PANELS, CIRCUITS, ETC...)

  CONDUIT STUBBED UP AT DIMENSION SHOWN WITH 4 X 4 JUNCTION BOX 1" ABOVE FLOOR.

  BUIN RIGID CONDUIT TO JUNCTION BOX ON CASE OR EREFZER, ELECTRICIAN TO PROVIDE
- CONDUIT STUBBED UP AT DIMENSION SHOWN WITH 4 X 4 JUNCTION BOX 1" ABOVE FLOOR.
  RUN RIGID CONDUIT TO JUNCTION BOX ON CASE. OR FREEZER. ELECTRICIAN TO PROVIDE
  EXTRA CONDUIT AND 20 AMP CIRCUIT FOR CASE OR COOLER LIGHTS, FANS, ETC...(FIELD
  VERIFY PANELS, CIRCUITS, ETC...)

  RUN 4X4 JUNCTION BOX 1" ABOVE FLOOR. RUN RIGID CONDUIT TO JUNCTION BOX ON CASE.
  ELECTRICIAN TO PROVIDE WIRING, CONDUIT, AND CIRCUITS FOR CASE OR COOLER LIGHTS,
  FANS, ETC. (FIELD VERIFY PANEL, CIRCUITS, ETC.) AND REFRIGERATION CONTROL WIRING.
- ROUTE WIRING OVERHEAD OR UNDER FLOOR TO CASES IN ORDER TO MINIMIZE FLOOR REMOVAL AND REPLACEMENT AND TO KEEP DISRUPTIONS TO STORE OPERATIONS HELD TO A MINIMUM. COORDINATE ALL ELECTRICAL WITH G.C. AND REFRIGERATION WORK.

  A1 REFRIGERATION 'SYSTEM' DESIGNATION. SEE 'R' DRAWINGS FOR FURTHER INFORMATION.

# REFRIGERATION PLAN NOTES

- EXISTING REFRIGERATED CASE TO REMAIN.

  EXISTING COOLER/FREEZER AND COIL(S) TO REMAIN.

  CONNECT TO EXISTING AREA LIGHT FIXTURE CIRCUIT
  AND CONTROLS. MAINTAIN CONNECTION 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 AND NEW DESIGN
  CRITERIA CAN BE MET, OTHERWISE REPLACE.
- REVISE AND EXTEND CIRCUITRY FOR RELOCATED/REPLACED EQUIPMENT. COORDINATE EXACT CONDUIT ROUTING WITH TENANT AND OTHER TRADES. EXISTING DEVICES AND RELATED CIRCUITRY MAY BE REUSED IF IN GOOD CONDITION, OTHERWISE REPLACE.

EXISTING CIRCUIT INFORMATION WAS NOT ABLE TO BE DETERMINED FROM ARCHIVED DRAWINGS AND FIELD SURVEYS. CONTRACTOR TO VERIFY INFORMATION ON

HENDERSON ENGINEERS 8345 LENEXA DRIVE, SUITE 300

REVISION

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



Oct 23 2020
DEAN W. CHANDLER
LICENSE # PE-2017036652

MC # L

RD

1Y-VEE, INC.
1820 WESTOWN PARKWAY
VEST DES MOINES, IOWA 50266
TELEPHONE: (515) 267-2800
TELEPHONE: (515) 267-2935

E'S SUMMIT, MO
0 SW WARD RD
HY-VEE, IN
5820 WEST
WEST DES
TELEPHON
FAX: (515)



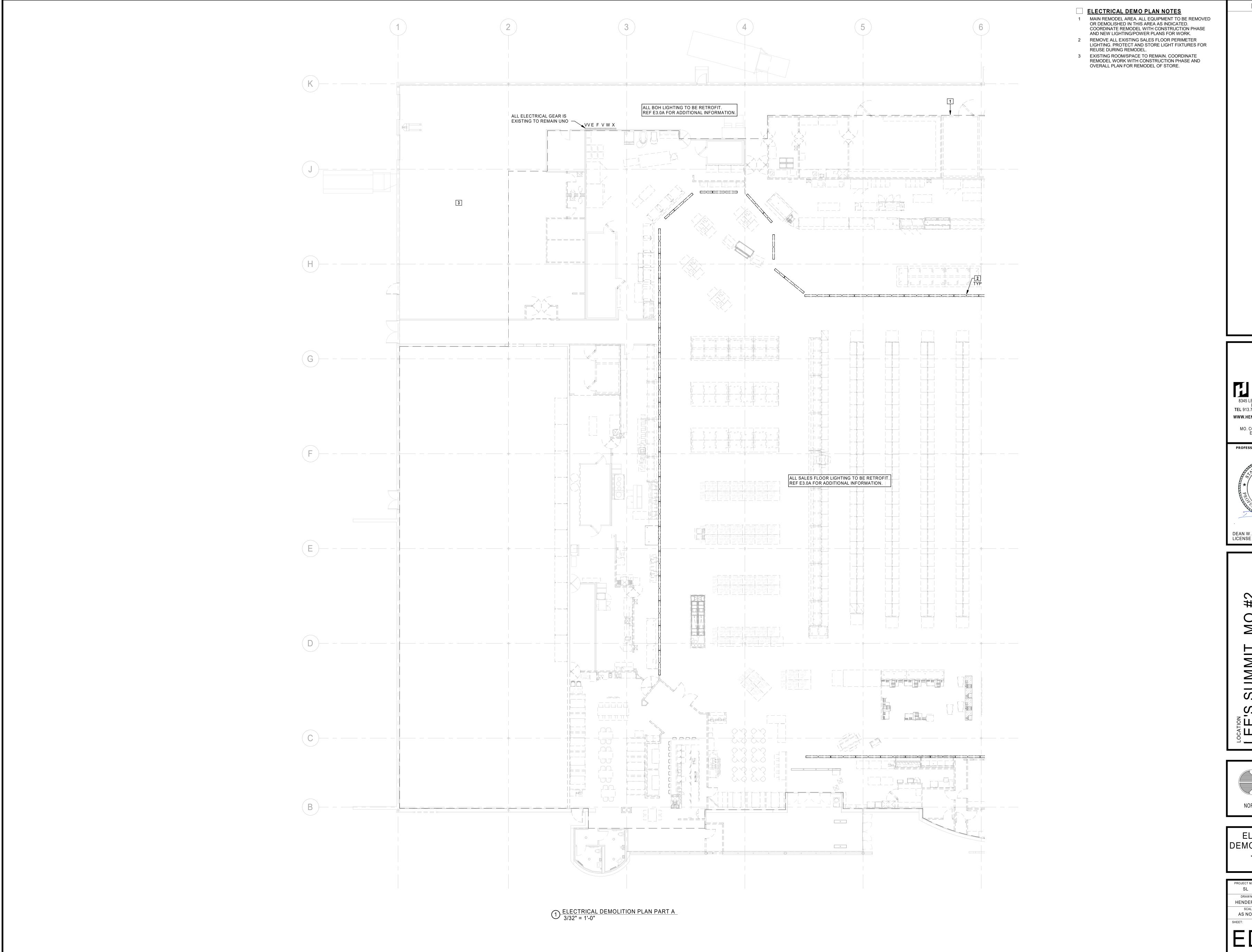


REFRIGERATION ELECTRICAL POWER PLAN -PART B

PROJECT MANAGER
SL
HEI

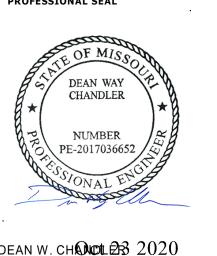
DRAWN BY:
HENDERSON
10/19/2020
SCALE:
JOB NUMBER:
AS NOTED
62930547

E5.0B

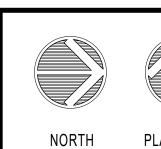


REVISION

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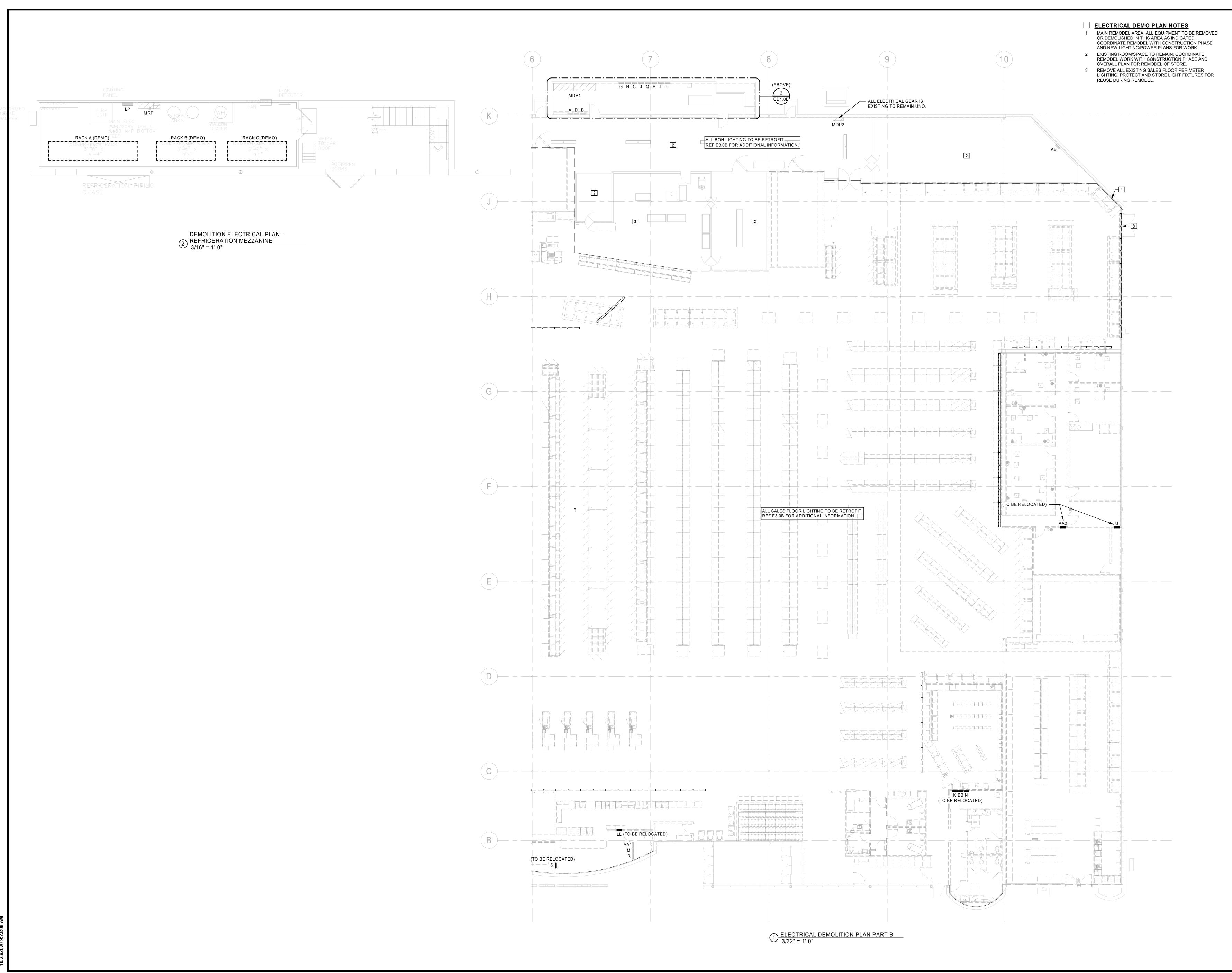


DEAN W. CHANCE 23 2020 LICENSE # PE-2017036652



ELECTRICAL DEMOLITION PLAN - PART A

DRAWN BY: HENDERSON AS NOTED

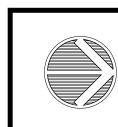


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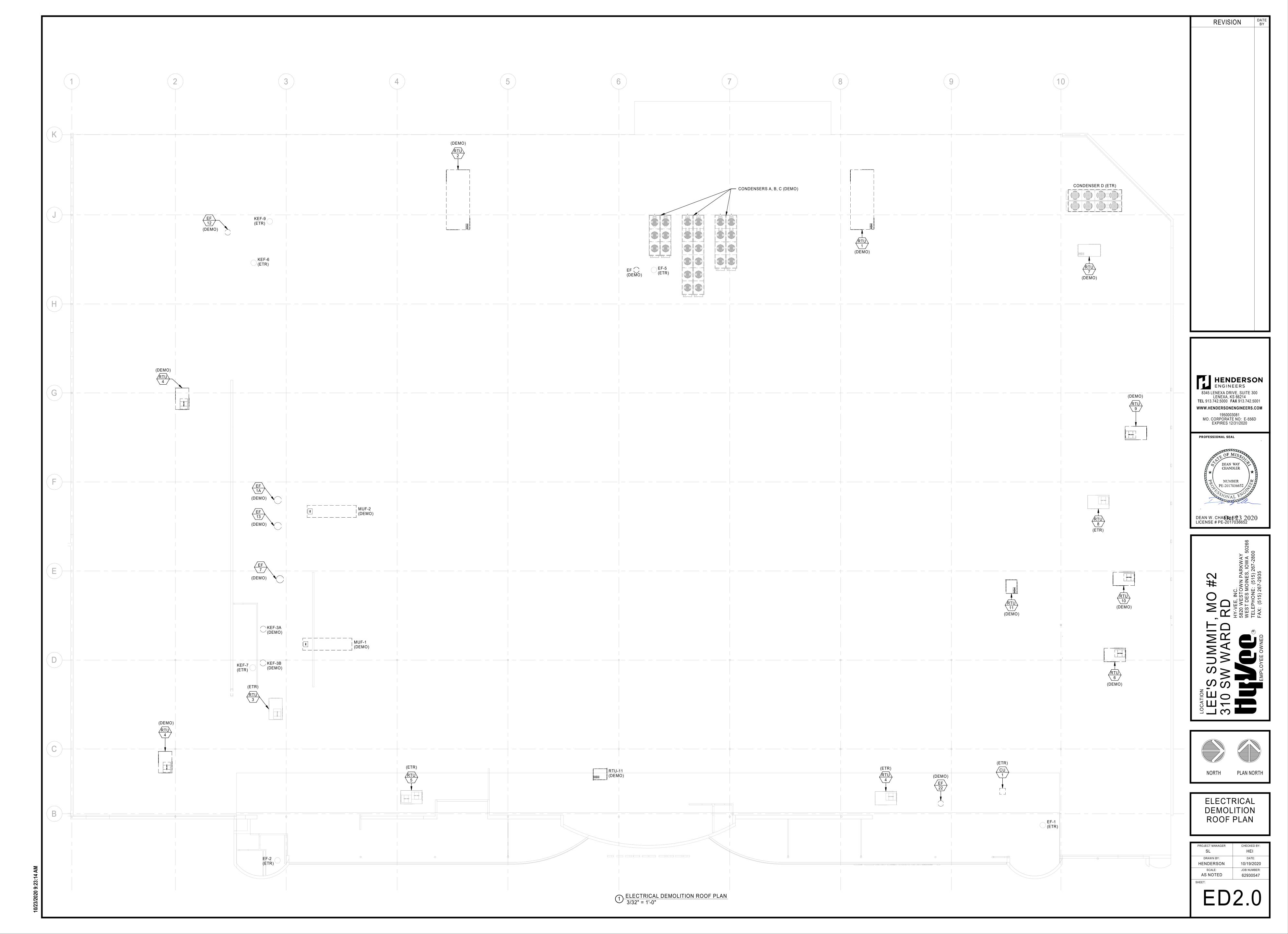
Oct 23 2020 DEAN W. CHANDLER LICENSE # PE-2017036652



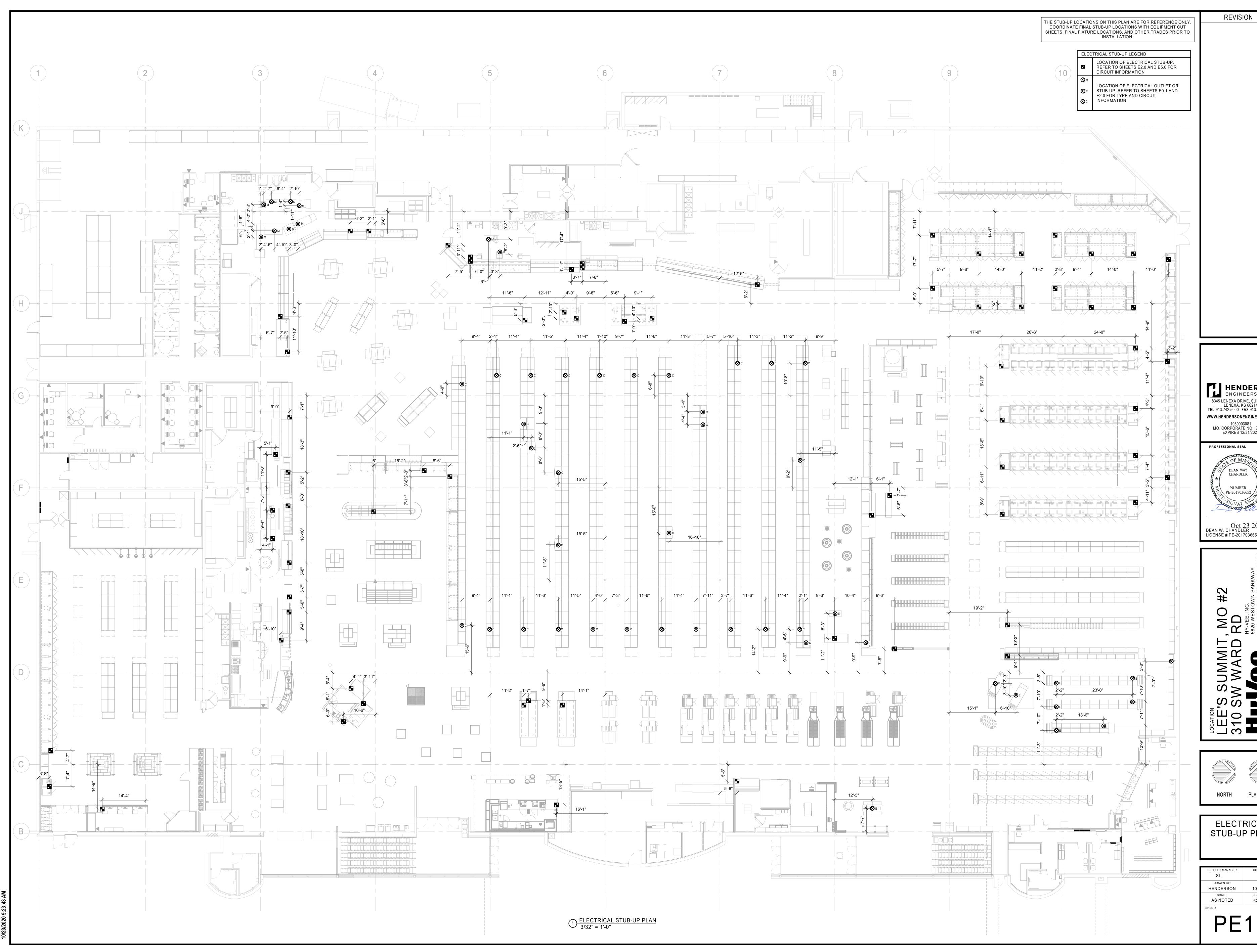


ELECTRICAL DEMOLITION PLAN - PART B

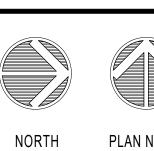
DRAWN BY: HENDERSON SCALE: AS NOTED



AN W. CHANDLER



HENDERSON ENGINEERS 1950003081 MO. CORPORATE NO: E-556D EXPIRES 12/31/2020 Oct 23 2020 DEAN W. CHANDLER LICENSE # PE-2017036652



ELECTRICAL STUB-UP PLAN

DRAWN BY: HENDERSON 10/19/2020 SCALE: JOB NUMBER:

62930547 PE1.1