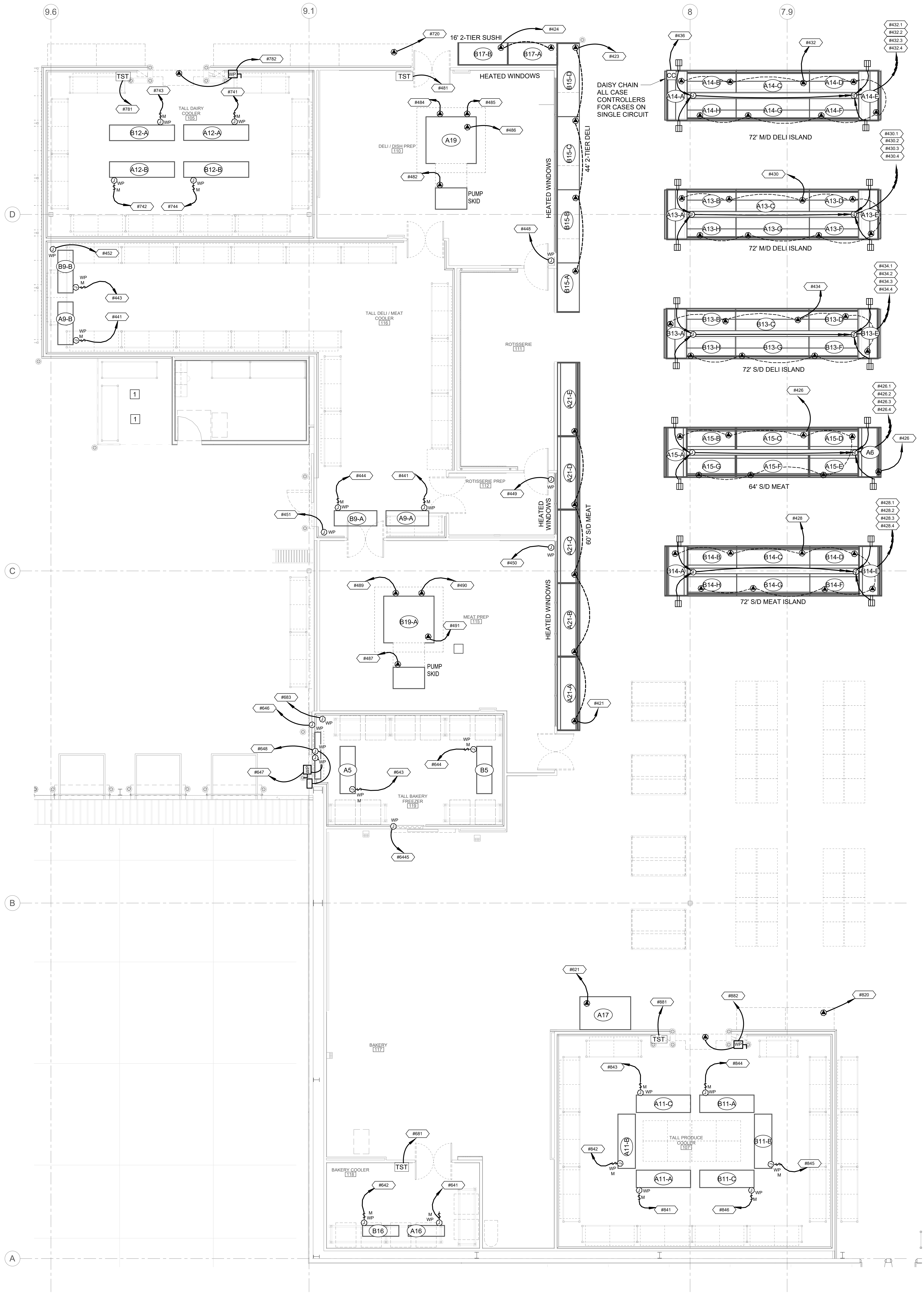
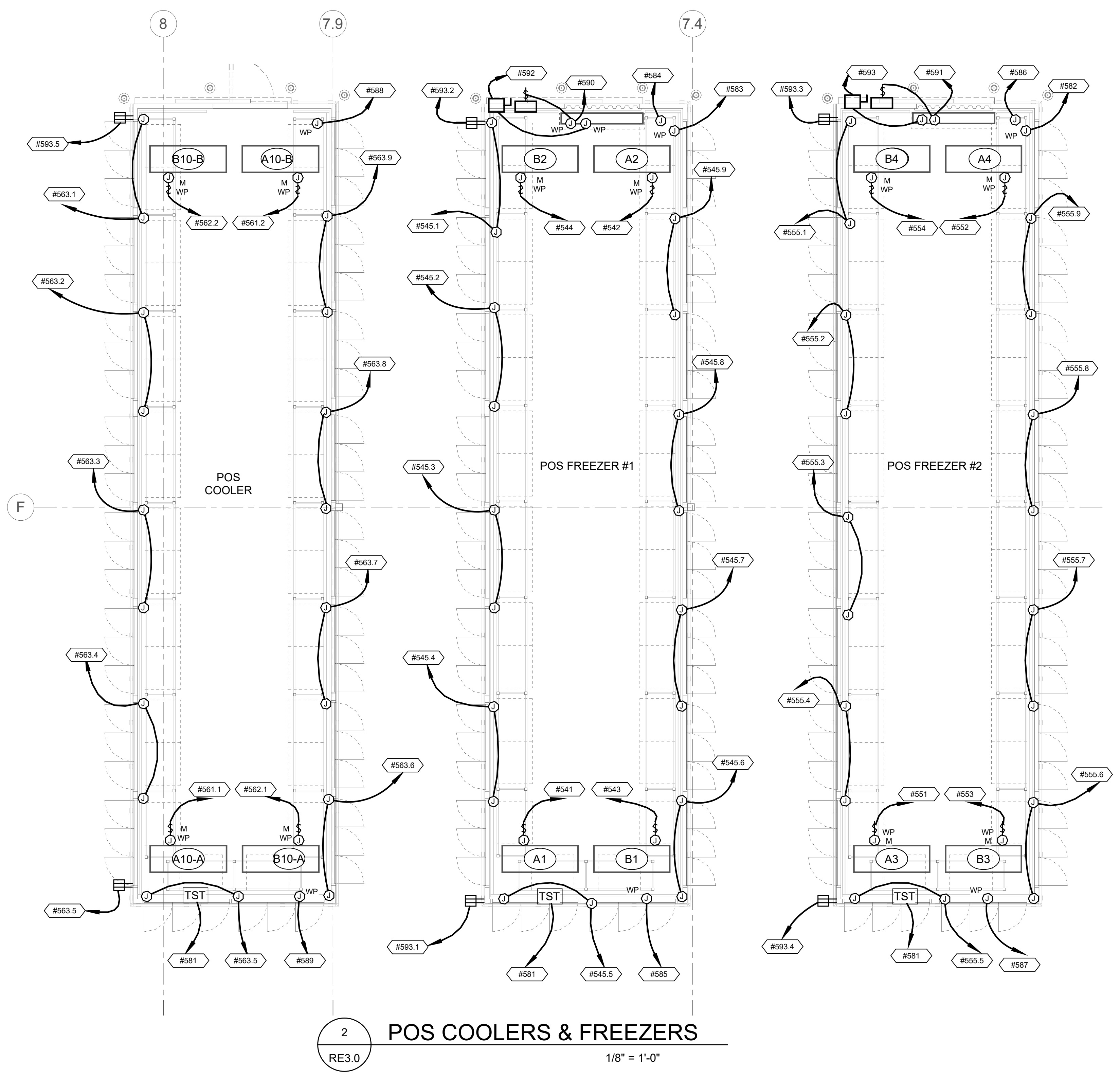

9.6
9.1
8
7.9
D
C
B
A
16' 2-TIER SUSHI
HEATED WINDOWS
44' 2-TIER DELI
DAISY CHAIN ALL CASE CONTROLLERS FOR CASES ON SINGLE CIRCUIT
72' M/D DELI ISLAND
72' M/D DELI ISLAND
72' S/D DELI ISLAND
64' S/D MEAT
72' S/D MEAT ISLAND
60' S/D MEAT
TALL DAIRY COOLER
DELI / DISH PREP
PUMP SKID
TALL DELI / MEAT COOLER
ROTISSERIE
ROTISSERIE PREP
MEAT PREP
TALL BAKERY FREEZER
BAKERY
BAKERY COOLER
TALL PRODUCE COOLER
TST

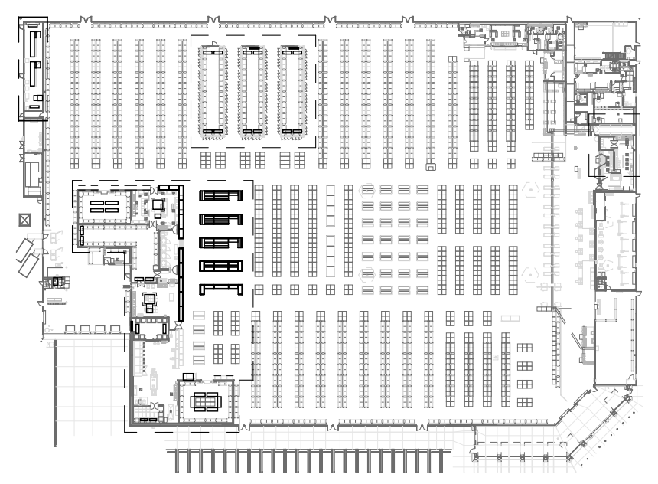
1 FRESH LINE FLOOR PLAN

RE3.0 1/8" = 1'-0"

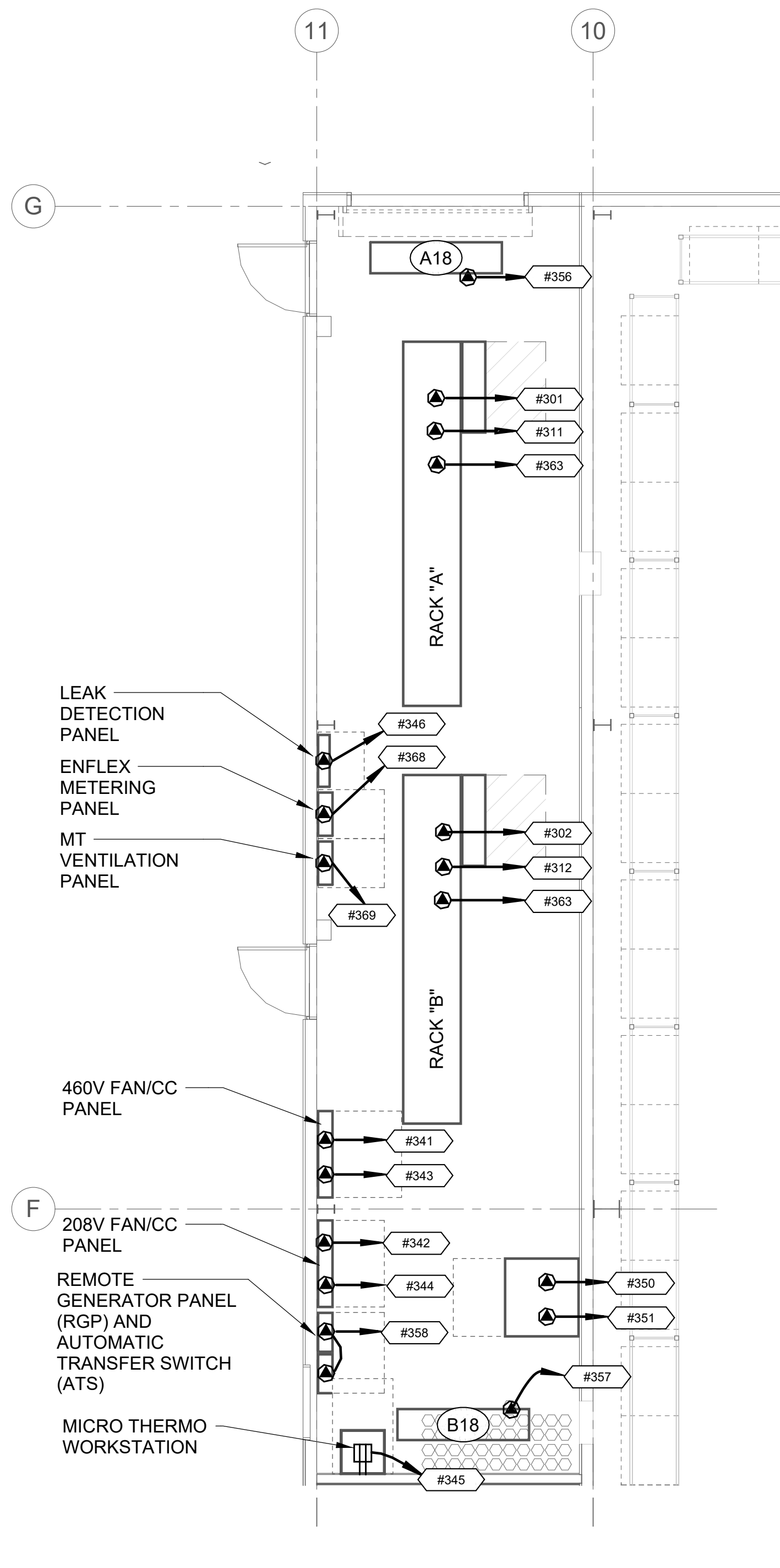

8
7.9
7.4
F
POS COOLER
POS FREEZER #1
POS FREEZER #2
TST

2 POS COOLERS & FREEZERS

RE3.0 1/8" = 1'-0"

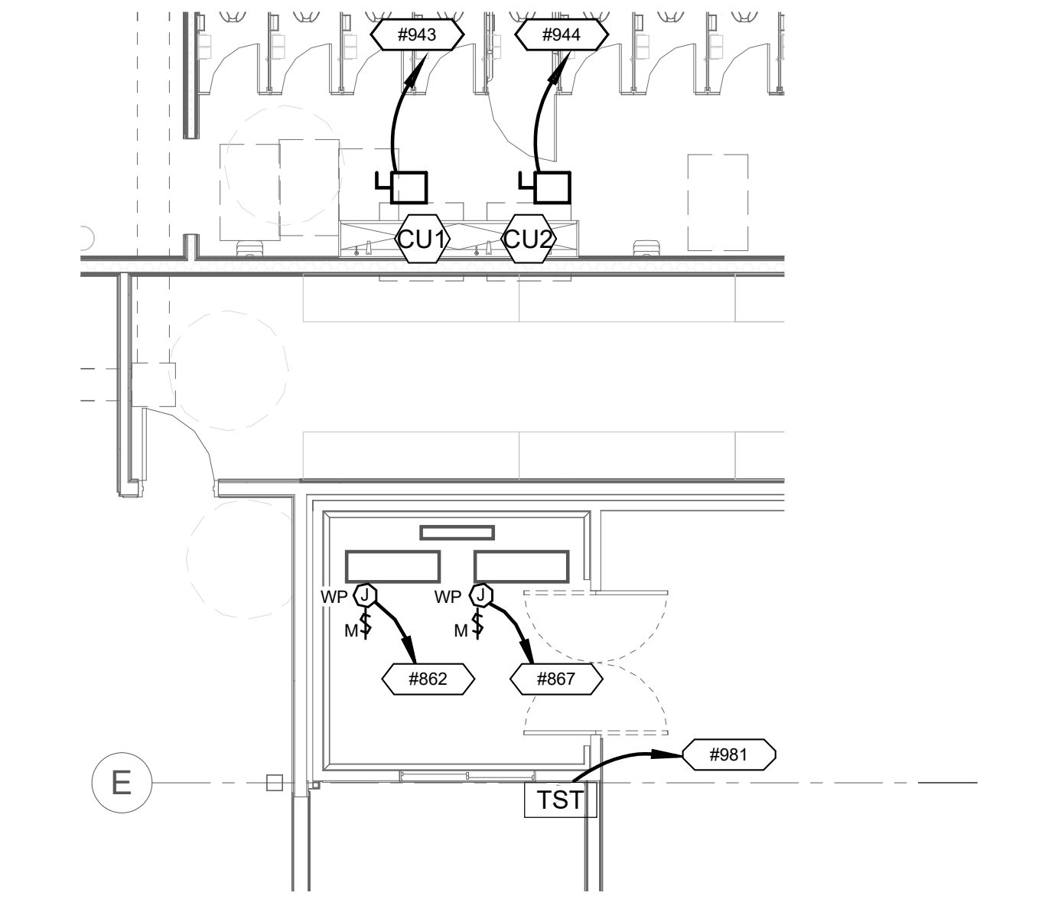


KEY PLAN


11
10
G
F
RACK "A"
RACK "B"
LEAK DETECTION PANEL
ENFLEX METERING PANEL
MT VENTILATION PANEL
460V FAN/CC PANEL
208V FAN/CC PANEL
REMOTE GENERATOR PANEL (RGP) AND AUTOMATIC TRANSFER SWITCH (ATS)
MICRO THERMO WORKSTATION
A18
B18

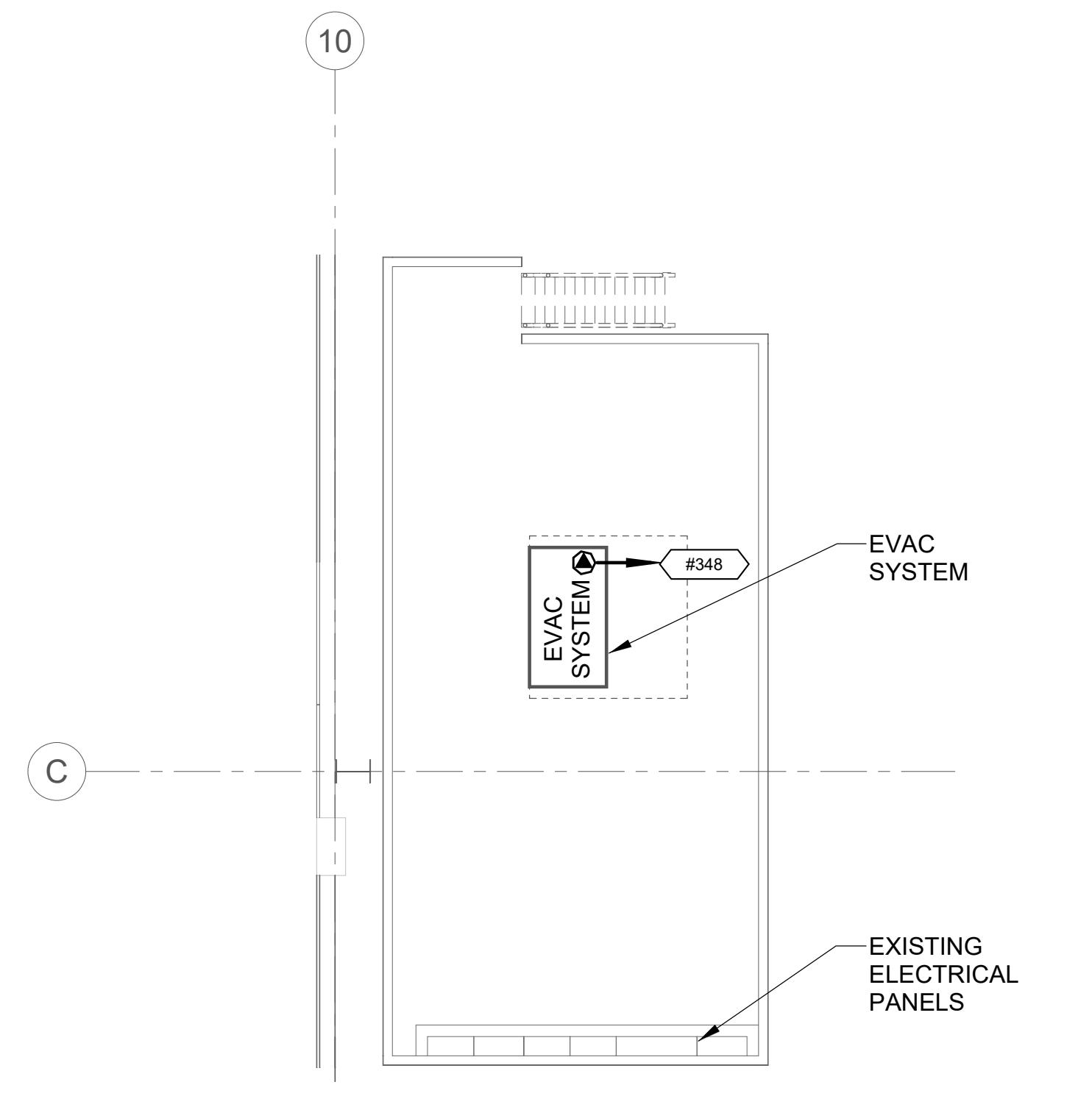
3 MECHANICAL ROOM

RE3.0 1/8" = 1'-0"


E
CU1
CU2
TST

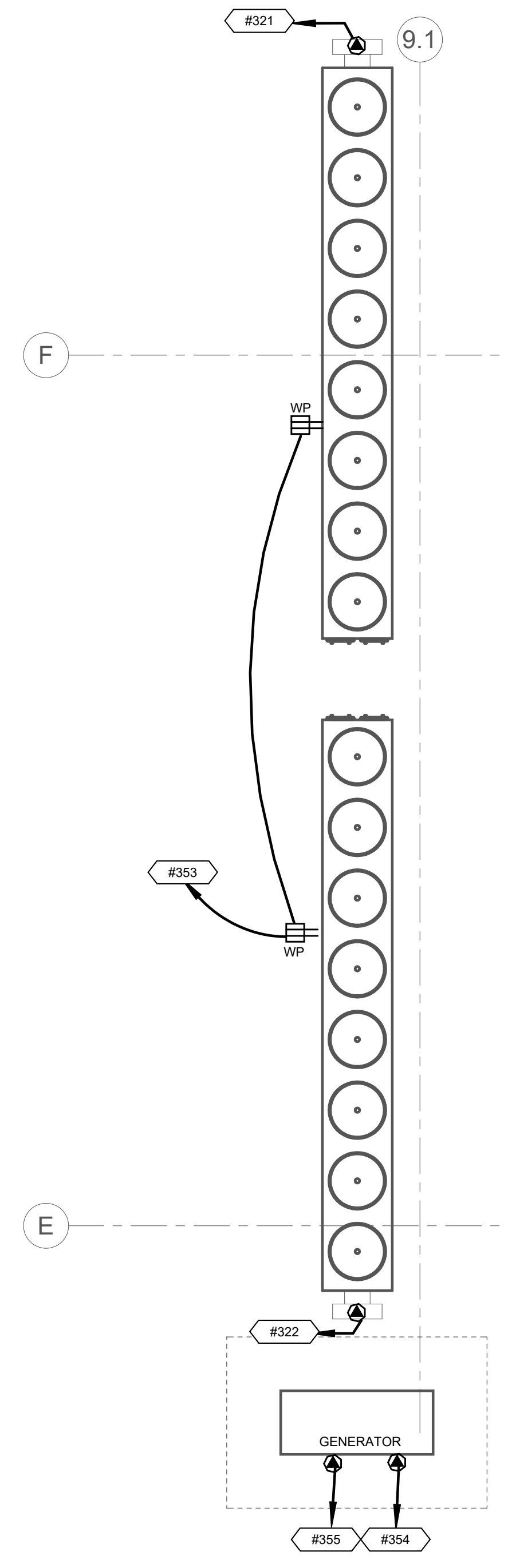
4 FOOD SERVICE POWER ELECTRICAL PLAN

RE3.0 1/8" = 1'-0"


10
C
EVAC SYSTEM
EVAC SYSTEM
EXISTING ELECTRICAL PANELS

5 RECIEVING AREA MEZZANINE

RE3.0 1/8" = 1'-0"


9.1
F
E
GENERATOR
WP

6 REFRIGERATION ROOFTOP EQUIP

RE3.0 1/8" = 1'-0"

GENERAL NOTES

A. ALL JUNCTION BOXES FOR REACH-IN DOOR LIGHTS TO BE LOCATED ON MULLIONS.
B. OVERHEAD ELECTRICAL CONDUIT TO BE RUN INSIDE OF TRUSS WORK AS HIGH AS POSSIBLE, AVOIDING SKYLIGHTS AND STORE LIGHTING.
C. SURFACE MOUNT ALL CONDUIT FOR MEAT/DELI/PRODUCE REFRIGERATED WALK-IN BOXES ON THE EXTERIOR ROOF OF THE WALK-IN BOXES.
D. SEE SHEET RE3.0 FOR ELECTRICAL LEGEND.
E. ALL SLIDER DOORS TO HAVE DOOR CLOSE MONITOR/ALARM BY MT CONTROL SYSTEM.
F. ENSURE ALL ELECTRICAL CORDS AT REACH-IN DOORS ARE KEPT TAUT.
G. ALL HEATED DRIVE IN DOORS TO HAVE PIG TAIL ELECTRICAL CORDS THAT ARE TAUT.
H. ALL MECHANICAL AND ELECTRICAL SYSTEMS MUST MEET ALL LOCAL AND NATIONAL CODES.
I. NO MOTION SENSORS ON ANY LIGHTS.
J. INSTALL SINAGE FOR "DUAL SOURCES OF POWER SERVING THIS BUILDING" AT METER BASE AND EACH ELECTRICAL PANEL, ROOM AND EACH PIECE OF EQUIPMENT SERVED BY GENERATOR.

ELECTRICAL LEGEND

x#	REFRIGERATION SYSTEM NUMBER - SEE REFRIGERATION SCHEDULE FOR REFERENCE
####	INDICATES REFRIGERATION EQUIPMENT NUMBER
▲	SPECIAL PURPOSE CONNECTION
Ⓙ	JUNCTION BOX WP: WEATHER PROOF
☐	DISCONNECT SWITCH WP : WEATHER PROOF
	GFI RECEPTACLE-DUPLEX (GROUND FAULT INTERRUPT)
	RECEPTACLE-DUPLEX
TST	THERMO-SIMPLE TRANSFORMER FIELD INSTALL ON TOP OF PRODUCE COOLER, POS BOXES, BAKERY COOLER, AND FOOD SERVICE
→	CIRCUIT; PROVIDE QUANTITY OF CONDUCTORS AS REQUIRED FOR QUANTITY OF CIRCUITS SHOWN. MINIMUM 2#10 WITH 1#10 GROUND IN 3/4"C.
$\$_M$	MANUAL MOTOR DISCONNECT/STARTER SWITCH

Cushing Terrell
cushingterrell.com
800.757.9522

REFRIGERATION
COSTCO WHOLESALE
LEE'S SUMMIT, MO

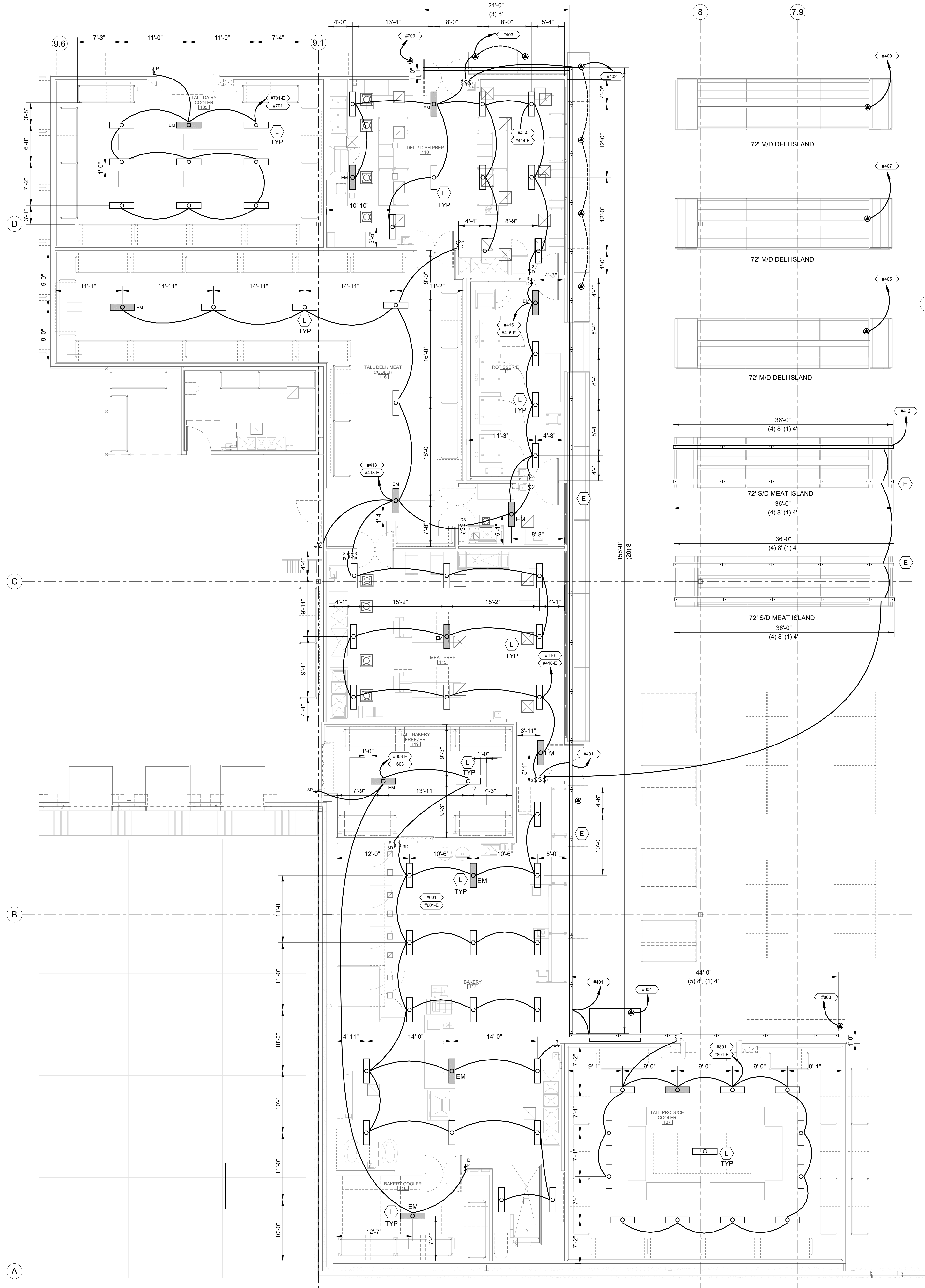
GARY GLASSING
NUMBER PE-2006000091
12/22/2025

PERMIT

12.22.2025
DESIGNED BY | SCHMIDT
DRAWN BY | SCHUELER
REVISIONS

REFRIGERATION
POWER PLAN

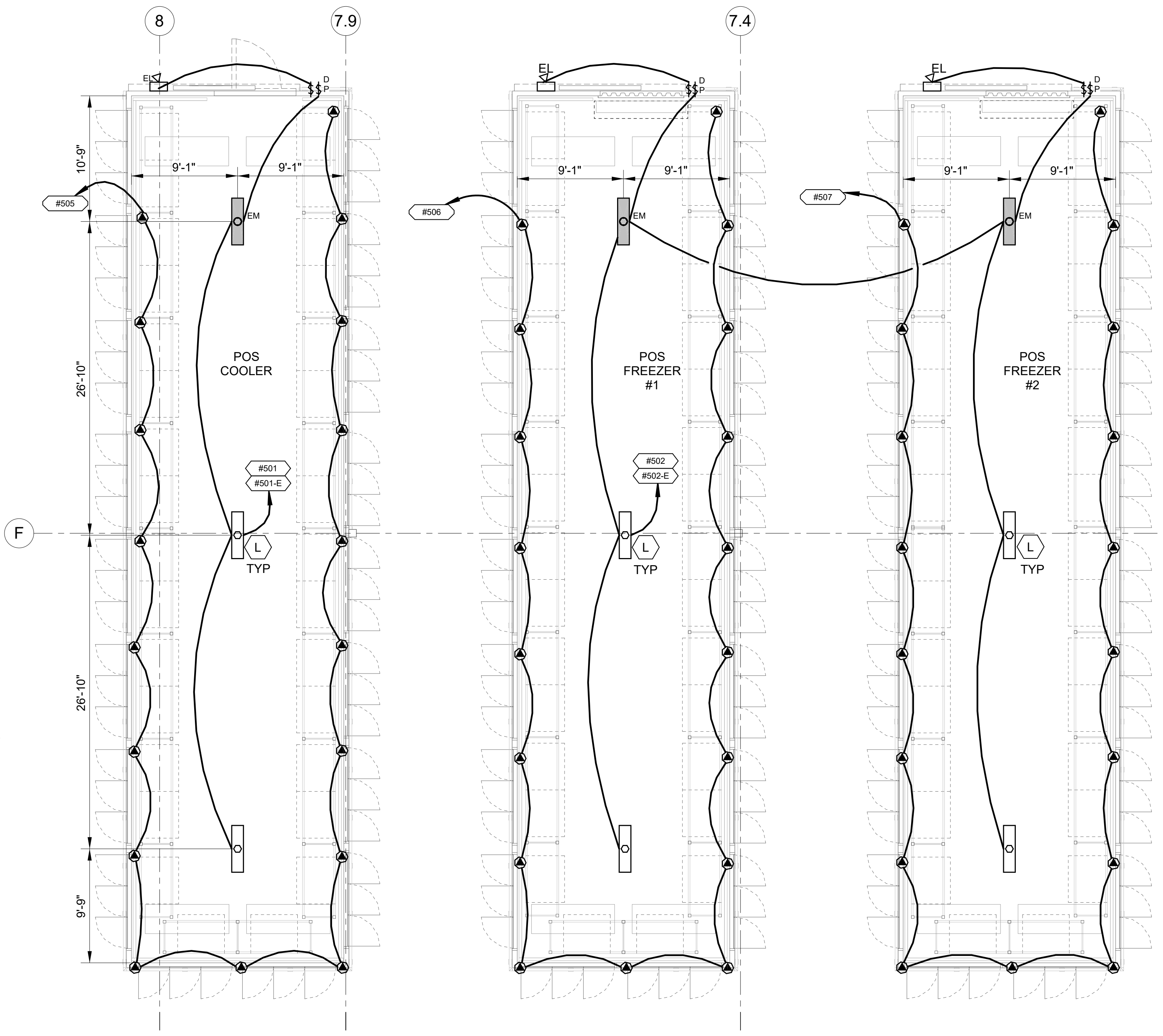
RE3.0


9.6
9.1
8
7.9
D
C
B
A
E
TALL DAIRY COOLER
DELI / DISH PREP
TALL DELI / MEAT COOLER
ROTISSERIE
MEAT PREP
TALL BAKERY FREEZER
BAKERY
TALL PRODUCE COOLER
BAKERY COOLER
72' M/D DELI ISLAND
72' M/D DELI ISLAND
72' M/D DELI ISLAND
72' S/D MEAT ISLAND
72' S/D MEAT ISLAND
36'-0"
(4) 8' (1) 4'
44'-0"
(5) 8', (1) 4'
24'-0"
(3) 8'
158'-0"
(20) 8'
L
TYP
EM

1 FRESH LINE LIGHTING PLAN

RE3.2

1/8" = 1'-0"


8
7.9
7.4
F
#505
#506
#507
POS COOLER
POS FREEZER #1
POS FREEZER #2
#501
#501-E
#502
#502-E
L
TYP
EL

3 POS COOLERS & FREEZERS LIGHTING

RE3.2

1/8" = 1'-0"

Cushing Terrell

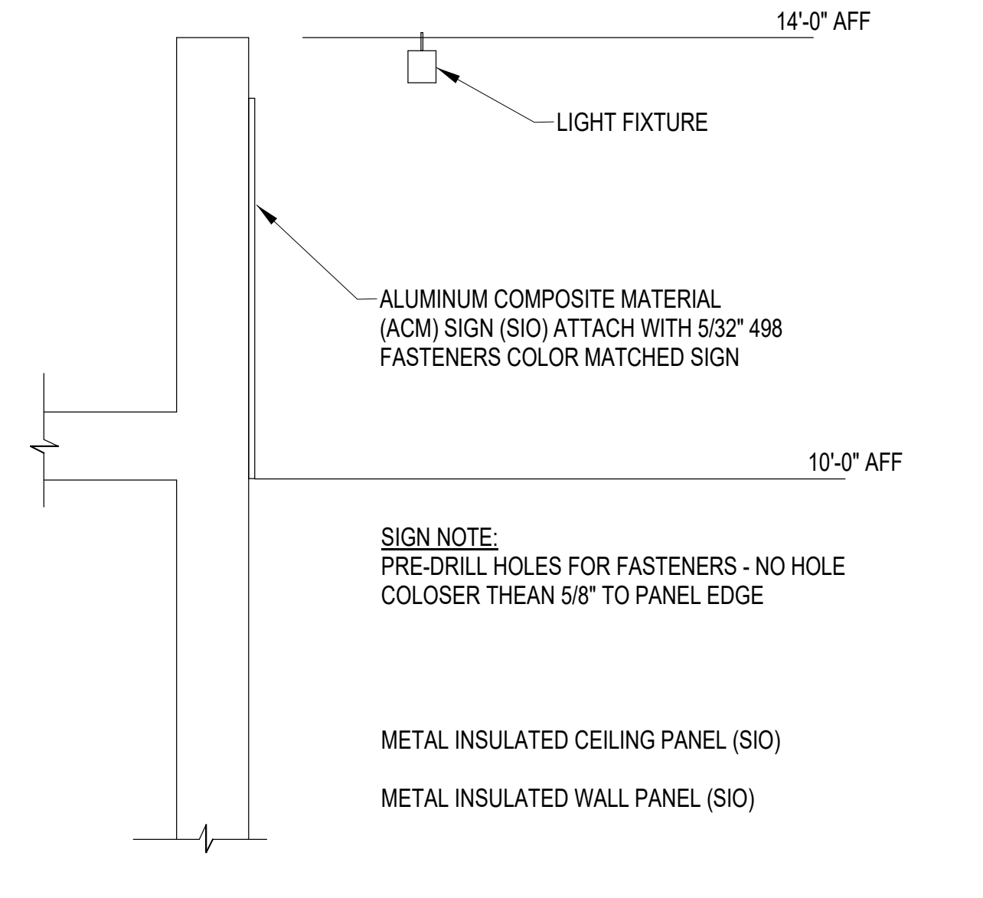
cushingterrell.com
800.757.9522

GENERAL NOTES

1. MINIMIZED EXPOSED CONDUIT IN REFRIGERATION BOX. ROUTE CONDUIT ON ROOF OF BOX WHENEVER POSSIBLE, SEAL PER CODE.
2. ALL WORK ON THIS SHEET IS BY REFRIGERATION ELECTRICAL CONTRACTOR.
3. ALL ELECTRICAL DEVICES AND EQUIPMENT (CONDUIT, J-BOXES, DISCONNECTS, LIGHTS, ETC.) WITHIN ANY REFRIGERATED SPACE SHALL BE RATED FOR WET LOCATIONS.
4. ALL PENETRATIONS IN AND OUT OF REFRIGERATED BOXES SHALL BE SEALED.
5. PROVIDE SWITCHING FOR LIGHTING. PROVIDE NEMA 4 ENCLOSURE, SWITCHES, CONTACTORS, POWER SUPPLY, WIRING, ETC. AS REQUIRED FOR A COMPLETE SYSTEM.
6. NOT USED.
7. ALL LIGHTING CIRCUITS TO BE RUN THROUGH CONTROL BREAKER.
8. PERIMETER FIXTURES MUST BE LOCATED 4' O.C. FROM PERIMETER WALLS. LIGHT FIXTURE LAYOUT AND QUANTITY HAVE BEEN DESIGNED BY VISION ENGINEERING FOR THIS PROJECT. ANY MOUNTING LOCATION OR QUANTITY DEVIATION FROM THE PLAN AS SHOWN SHALL BE SUBMITTED TO VISION ENGINEERING FOR REVIEW AND APPROVAL PRIOR TO ROUGH-IN.
9. EACH CONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO FAMILIARIZE THEMSELVES WITH THIS KNOWLEDGE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO PERFORM THE WORK AND ENSURE THE EQUIPMENT OPERATES PROPERLY. ADDITIONAL COMPENSATION SHALL NOT BE PERMITTED DUE TO CONDITIONS RESULTING FROM FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE. REFRIGERATION CONTRACTOR TO ADHERE TO ALL EPA GUIDELINES.
10. LIGHTING MANUFACTURER DELI & MEAT PREP NOTE: IF THERE ARE ANY CONFLICTS ON THE CEILING IN THE FIELD THAT ARE NOT SHOWN ON THE DRAWINGS, PLEASE SHIFT THE FIXTURES TO AVOID THOSE CONFLICTS. PERIMETER FIXTURES LOCATED ADJACENT TO THE PLAN NORTH, SOUTH AND EAST WALLS MUST BE INSTALLED NO FURTHER THAN 4' O.C. FROM THE WALL.

LIGHTING LEGEND

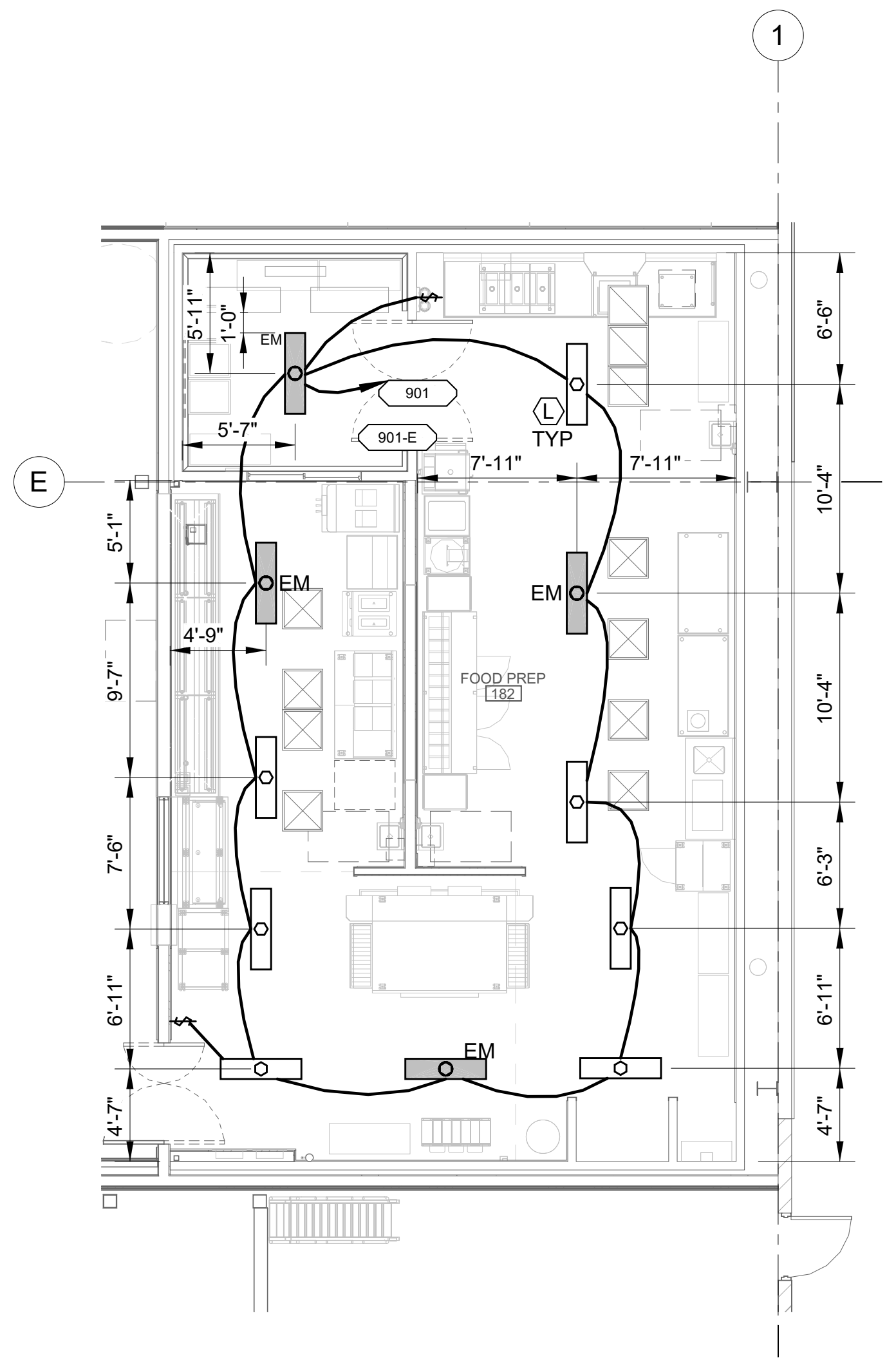
SYMBOL	DESCRIPTION
▭	EMERGENCY/NIGHT LIGHT w/LIGHT ALARMS LMIU 125 MT ID OR APPROVED EQUAL. MOUNTED ABOVE BOX, VISIBLE FROM DOOR. SUPPLIED & INSTALLED BY REFRIGERATION ELECTRICAL CONTRACTOR.
▨	SYLVANIA LIGHTING
$ D	SWITCH - DIMMER
$	SWITCH - SPST.
$ 3	SWITCH - THREEWAY
$ P	SWITCH - PILOT
▭	FRESHLINE LINEAR LED LIGHT
—	CIRCUIT; PROVIDE QUANITY OF CONDUCTORS AS SHOWN IN SCHEDULE. MINIMUM 2#10 WITH 1#10 GROUND IN 3/4" CONDUIT.
⊿	EMPLOYEE SAFETY LIGHT


14'-0" AFF
LIGHT FIXTURE
ALUMINUM COMPOSITE MATERIAL (ACM) SIGN (SIO) ATTACH WITH 5/32" 498 FASTENERS COLOR MATCHED SIGN
10'-0" AFF
SIGN NOTE:
PRE-DRILL HOLES FOR FASTENERS - NO HOLE COLOSER THEAN 5/8" TO PANEL EDGE
METAL INSULATED CEILING PANEL (SIO)
METAL INSULATED WALL PANEL (SIO)

4 HEAD WALL (SHOWN AT SIGN)

RE3.2

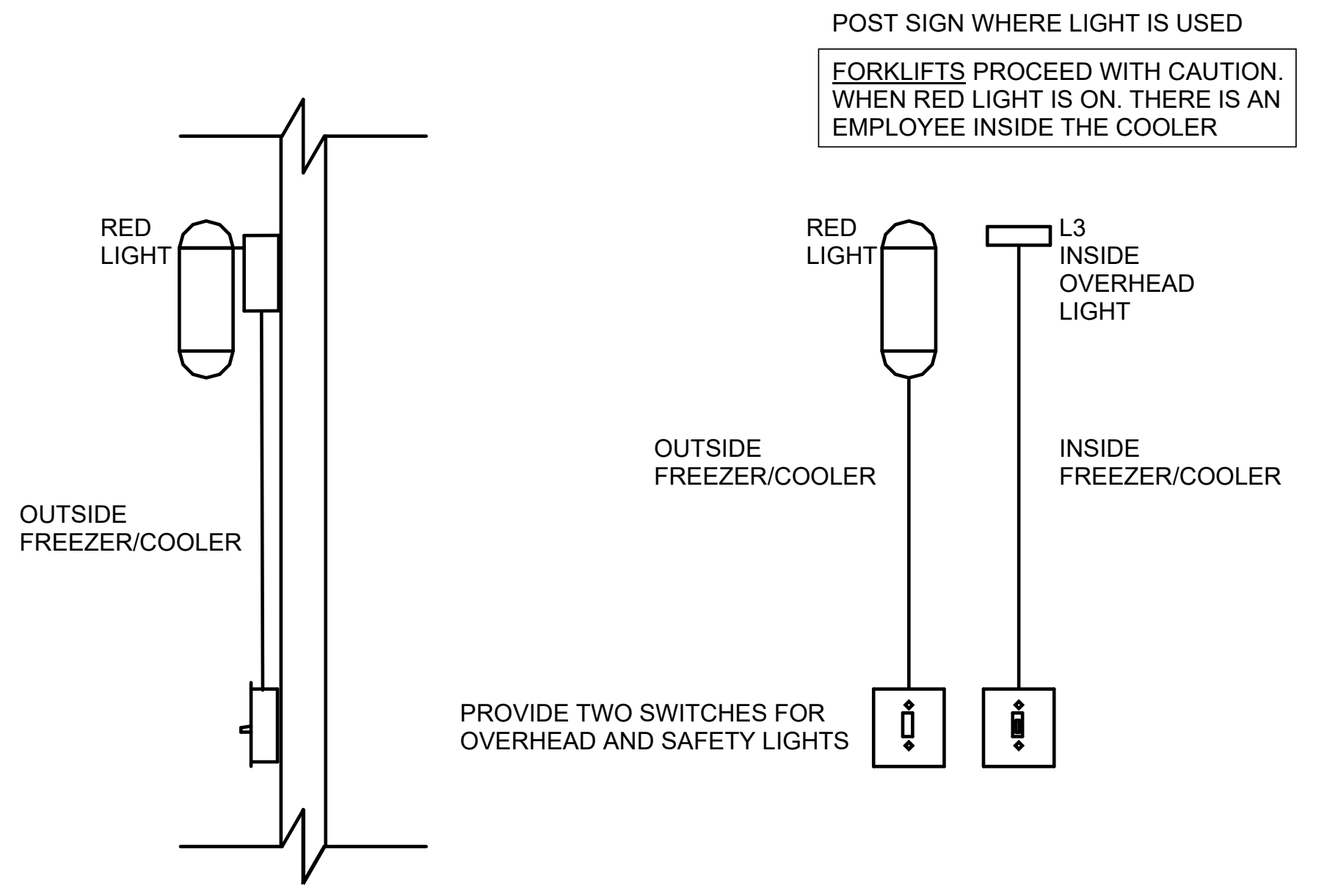
NOT TO SCALE


1
E
FOOD PREP
901
901-E
L
TYP
EM

2 FOOD SERVICE LIGHTING PLAN

RE3.2

1/8" = 1'-0"


POST SIGN WHERE LIGHT IS USED
FORKLIFTS PROCEED WITH CAUTION. WHEN RED LIGHT IS ON. THERE IS AN EMPLOYEE INSIDE THE COOLER
RED LIGHT
OUTSIDE FREEZER/COOLER
RED LIGHT
L3 INSIDE OVERHEAD LIGHT
OUTSIDE FREEZER/COOLER
INSIDE FREEZER/COOLER
PROVIDE TWO SWITCHES FOR OVERHEAD AND SAFETY LIGHTS

5 EMPLOYEE SAFETY LIGHT

RE3.2

1/2" = 1'-0"

REFRIGERATION LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	LAMP	MOUNTING	WATT	REMARKS
L	SYLVANIA	WVAP1A-S180-UNVD8SC7-48W1-GR	LED	SURFACE	120W	SHADED FIXTURES (EM) SHALL BE PROVIDED WITH 90 MINUTE MINIMUM BATTERY BACKUP
E	CORELITE	HGL-S-FR-80L-835-1-D-UNV-STD-W-UM-4 HGL-S-FR-80L-835-1-D-UNV-STD-W-UM-8	LED	AC CABLE SUSPENDED	70W (4') 141W (8')	SUSPEND LIGHTS VIA AC CABLE AT 14'-0" 12" FROM VERTICAL FACE OF FRESHLINE WALL. SUSPEND MEAT ISLAND LIGHTS 14'-0" OVER CASES AS SHOWN. USE VENDOR PROVIDED ACCESSORIES.
EL	FEDERAL SIGNAL	BASE: SLMBD-120-240GY LED: SLM350R	LED	WALL	10W	SEE DETAIL 5/RE3.2, AND OEM SPECS FOR INSTALLATION

REFRIGERATION
COSTCO WHOLESALE
LEE'S SUMMIT, MO

GARY GLASSING
NUMBER PE-2006000091

12/22/2025

PERMIT

12.22.2025
DESIGNED BY | SCHMIDT
DRAWN BY | SCHUELER
REVISIONS

REFRIGERATION
LIGHTING PLAN

RE3.2

LEE SUMMIT, MO
REFRIGERATION ELECTRICAL COORDINATION LIST

Refrigeration **REV # 0** **Date: 11.26.2025** **Refr & Elec** **Electrical**

ITEM #	Rev #	EQUIPMENT DESCRIPTION	REFRIG. SYS. #	VOLTAGE	PHASE	AMPS	WATTS	FLA	MCA	MOCP	PANEL	WIRE SIZE	LIGHTING CONTROL BREAKER	SPECIAL REQUIREMENTS AND/OR NOTES
300 RACK EQUIPMENT														
RACKS POWER (300-309)														
301		COMPRESSOR RACK A		460	3				458	500	BY OTHERS	(x2) 3#250MCM, #2 GND, 2 1/2"C		
302		COMPRESSOR RACK B		460	3				458	500	BY OTHERS	(x2) 3#250MCM, #2 GND, 2 1/2"C		
RACK CONTROLS (310-319)														
311		CONTROLS RACK A		115	1				16	20	RGP	2#10 #10 GND 3/4"C		
312		CONTROLS RACK B		115	1				16	20	RGP	2#10 #10 GND 3/4"C		
CONDENSER POWER (320-329)														
321		GAS COOLER A		460	3				34.4	45	BY OTHERS	3#6 #10 GND 1"C		
322		GAS COOLER B		460	3				34.4	45	BY OTHERS	3#6 #10 GND 1"C		
CONDENSER CONTROLS (330-339)														
CONTROLS AND MISCELLANEOUS (340-399)														
341		460 VOLT FAN CONTROL PANEL		460	3			52.4	65.5	70	BY OTHERS	3#4 #8 GND 1" C		
342		208 VOLT FAN CONTROL PANEL		208	3			123.3	154.2	175	BY OTHERS	3#2/0 #6 GND 2" C		
343		460 VOLT FAN CONTROL PANEL CONTROL		115	1				16	20	BY OTHERS	2#10 #10 GND 3/4"C		
344		208 VOLT FAN CONTROL PANEL CONTROL		115	1				16	20	BY OTHERS	2#10 #10 GND 3/4"C		
345		MICRO THERMO WORKSTATION		115	1				5	15	RGP	2#10 #10 GND 3/4"C		
346		LEAK DETECTION PANEL		115	1				16	20	BY OTHERS	2#10 #10 GND 3/4"C		
347		ALARM PANEL **LMP/CARNOT**		115	1				16	20	BY OTHERS	2#10 #10 GND 3/4"C		
348		EVAC SYSTEM		208	3				28.75	30	RGP	3#10 #10 GND 3/4"C		
349		ROOF RECEPTACLE		115	1				16	20	BY OTHERS	2#10 #10 GND 3/4"C		
350		CONDENSING UNIT - RACK A		208	3				27.7	40	RGP	3#8 #10 GND 3/4"C		
351		CONDENSING UNIT - RACK B		208	3				27.7	40	RGP	3#8 #10 GND 3/4"C		
354		GENERATOR BLOCK HEATER		115	1	10.0				20	RGP	3#8 #10 GND 3/4"C		
355		GENERATOR BLOCK CHARGER		115	1	12.5				20	RGP	3#8 #10 GND 3/4"C		
356		COMPRESSOR CENTER A/C	A18	208	1				9.1	20	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
357		COMPRESSOR CENTER A/C	B18	208	1				9.1	20	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
358		ATS - AUTOMATIC TRANSFER SWITCH		208	3				156	175	BY OTHERS	4#2/0 #6 GND 2"C		REFER TO TRANSFER SWITCH DETAIL 1 / R3
362		VESSEL HEATER - RACK A		115	1				12	20	BY OTHERS	2#10 #10 GND 3/4"C		
363		VESSEL HEATER - RACK B		115	1				12	20	BY OTHERS	2#10 #10 GND 3/4"C		
368		ENFLEX METERING PANEL		115	1				16	20	BY OTHERS	2#10 #10 GND 3/4"C		
369		MT VENTILATION PANEL		115	1				16	20	BY OTHERS	2#10 #10 GND 3/4"C		
400 FRESHLINE														
LIGHTING (400-419)														
401		SUSPENDED WALL LIGHTING		277	1					20	BY OTHERS	2#10 #10 GND 3/4"C	X	
402		2-TIER DELI LINE-UP LIGHTING		115	1					20	BY OTHERS	2#10 #10 GND 3/4"C	X	
403		2-TIER SUSHI LINE-UP LIGHTING	B17	115	1	1.5				20	BY OTHERS	2#10 #10 GND 3/4"C	X	
406		D5 DELI ISLAND LIGHTING	A13	115	1	3.0				20	BY OTHERS	2#10 #10 GND 3/4"C	X	
408		D5 DELI ISLAND LIGHTING	A14	115	1	3.0				20	BY OTHERS	2#10 #10 GND 3/4"C	X	
410		D5 DELI ISLAND LIGHTING	B14	115	1	3.0				20	BY OTHERS	2#10 #10 GND 3/4"C	X	
412		SUSPENDED MEAT ISLAND LIGHTING		277	1	1.2	333			20	BY OTHERS	2#10 #10 GND 3/4"C	X	
413		MEAT COOLER LIGHTING		277	1	3.0	840			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
413-E		MEAT COOLER LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
414		DELI/SUSHI PREP LIGHTING		277	1	7.8	2160			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
414-E		DELI/SUSHI PREP LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
415		ROTISSERIE/ROTISSERIE PREP LIGHTING		277	1	2.6	720			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
415-E		ROTISSERIE/ROTISSERIE PREP LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
416		MEAT PREP LIGHTING		277	1	5.6	1560			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
416-E		MEAT PREP LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
CASES (420-439)														
421		M1 MEAT LINE-UP FANS	A21	115	1					20	BY OTHERS	2#10 #10 GND 3/4"C		
422		D/T ENDCAP	A6	115	1	1.4				20	BY OTHERS	2#10 #10 GND 3/4"C		
423		2-TIER DELI LINE-UP FANS	B15	115	1					20	BY OTHERS	2#10 #10 GND 3/4"C		
424		2-TIER SUSHI LINE-UP FANS	B17	115	1	1.4				20	BY OTHERS	2#10 #10 GND 3/4"C		
426		M1 MEAT ISLAND FANS	A15	115	1	2.0				20	BY OTHERS	2#10 #10 GND 3/4"C		
426.1		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
426.2		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
426.3		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
426.4		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
428		M1 MEAT ISLAND FANS	B14	115	1	2.0				20	BY OTHERS	2#10 #10 GND 3/4"C		
428.1		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
428.2		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
428.3		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
428.4		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
430		D5 DELI ISLAND FANS	A13	115	1	16.6				20	BY OTHERS	2#10 #10 GND 3/4"C		
430.1		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
430.2		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
430.3		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
430.4		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
432		D5 DELI ISLAND FANS	A14	115	1	16.6				20	BY OTHERS	2#10 #10 GND 3/4"C		
432.1		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
432.2		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
432.3		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
432.4		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
434		D5 DELI ISLAND FANS	B13	115	1	16.6				20	BY OTHERS	2#10 #10 GND 3/4"C		
434.1		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
434.2		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
434.3		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
434.4		CONVENIENCE OUTLET		115	1		1920			20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 160' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
436		CASE CONTROLLER CIRCUIT		115	1		1080			20	BY OTHERS	2#10 #10 GND 3/4"C		
WALK-INS (440-479)														
441		MEAT COOLER WALK-IN BOX EVAPORATOR	A9	208	1				9.1	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
442		MEAT COOLER WALK-IN BOX EVAPORATOR	A9	208	1				9.1	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
443		MEAT COOLER WALK-IN BOX EVAPORATOR	B9	208	1				9.1	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
444		MEAT COOLER WALK-IN BOX EVAPORATOR	B9	208	1				9.1	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
448		DELI HEATED WINDOWS		115	1				7.15	20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEATED WINDOWS REQUIRE 30mA GFPE PROTECTION
449		ROTISSERIE PREP HEATED WINDOWS		115	1				1.3	20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEATED WINDOWS REQUIRE 30mA GFPE PROTECTION
450		MEAT PREP HEATED WINDOWS		115	1				6.5	20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEATED WINDOWS REQUIRE 30mA GFPE PROTECTION
451		CONDENSATE HEAT TAPE MEAT COOLER		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFPE PROTECTION
453		CONDENSATE HEAT TAPE MEAT COOLER		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFI PROTECTION
CONTROLS AND MISCELLANEOUS (460-499)														
481		THERMO SIMPLE TRANSFORMER		115	1	2.0				20	BY OTHERS	2#10 #10 GND 3/4"C		
482		DELI PREP AHU PUMP SKID POWER	A19	115	1				8	15	BY OTHERS	3#10 #10 GND 3/4"C		
484		DELI PREP AHU FAN	A19	460	3			6.2	12	20	BY OTHERS	3#10 #10 GND 3/4"C		
485		DELI PREP AHU REHEAT	A19	460	3			42.7		50	BY OTHERS	3#6 #10 GND 1" C		
486		DELI PREP AHU UV LIGHT / CONTROL PANEL	A19	115	1		240		2	20	BY OTHERS	2#10 #10 GND 3/4"C		
487		MEAT PREP AHU PUMP SKID POWER	B19	115	1				8	15	BY OTHERS	3#10 #10 GND 3/4"C		
489		MEAT PREP AHU FAN	B19	460	3			6.2	12	20	BY OTHERS	3#10 #10 GND 3/4"C		
490		MEAT PREP AHU REHEAT	B19	460	3			42.7		50	BY OTHERS	3#6 #10 GND 1" C		
491		MEAT PREP AHU UV LIGHT / CONTROL PANEL	B19	115	1		240		2	20	BY OTHERS	2#10 #10 GND 3/4"C		
500 POS BOXES														
LIGHTING (500-519)														
501		POS COOLER LIGHTING		277	1	1.3	360			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
501-E		POS COOLER LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
502		POS FREEZER #1 & #2 LIGHTING		277	1	2.6	720			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
502-E		POS FREEZER #1 & #2 LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
505		POS COOLER MULLION LIGHTING		115	1	9.0				20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAX CIRCUIT LENGTH IS 275' TO MAINTAIN LESS THAN 3% VOLTAGE DROP
506		POS FREEZER #1 MULLION LIGHTING		115	1	9.0				20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAX CIRCUIT LENGTH IS 275' TO MAINTAIN LESS THAN 3% VOLTAGE DROP
507		POS FREEZER #2 MULLION LIGHTING		115	1	9.0				20	BY OTHERS	2#8 #8 GND 3/4"C		#8 CONDUCTORS MAX CIRCUIT LENGTH IS 275' TO MAINTAIN LESS THAN 3% VOLTAGE DROP
WALK-INS (540-579)														
541		POS FREEZER #1 WALK-IN BOX EVAPORATOR	A1	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
542		POS FREEZER #1 WALK-IN BOX EVAPORATOR	A2	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
543		POS FREEZER #1 WALK-IN BOX EVAPORATOR	B1	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
544		POS FREEZER #1 WALK-IN BOX EVAPORATOR	B2	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
545.1		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
545.2		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
545.3		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
545.4		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
545.5		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
545.6		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
545.7		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
545.8		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
545.9		DOOR HEAT POS FREEZER #1		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
551		POS FREEZER #2 WALK-IN BOX EVAPORATOR	A3	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
552		POS FREEZER #2 WALK-IN BOX EVAPORATOR	A4	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
553		POS FREEZER #2 WALK-IN BOX EVAPORATOR	B3	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
554		POS FREEZER #2 WALK-IN BOX EVAPORATOR	B4	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
555.1		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
555.2		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
555.3		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
555.4		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
555.5		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
555.6		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
555.7		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
555.8		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
555.9		DOOR HEAT POS FREEZER #2		115	1				3.88	20	BY OTHERS	2#10 #10 GND 3/4"C		
561.1		POS COOLER WALK-IN BOX EVAPORATOR	A10	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
561.2		POS COOLER WALK-IN BOX EVAPORATOR	A10	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
562.1		POS COOLER WALK-IN BOX EVAPORATOR	B10	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
562.2		POS COOLER WALK-IN BOX EVAPORATOR	B10	460	3				4.3	15	460V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
563.1		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
563.2		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
563.3		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
563.4		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
563.5		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
563.6		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
563.7		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
563.8		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
563.9		DOOR HEAT POS COOLER		115	1				1.52	20	BY OTHERS	2#10 #10 GND 3/4"C		
CONTROLS AND MISCELLANEOUS (580-599)														
581		THERMO SIMPLE TRANSFORMER (3 TOGETHER)		115	1	2.0				20	BY OTHERS	2#10 #10 GND 3/4"C		
582		FREEZER DOOR HEATER / HEATED PRESSURE RELIEF PORT		115	1	10.5				20	BY OTHERS	2#8 #10 GND 3/4"C		
583		FREEZER DOOR HEATER / HEATED PRESSURE RELIEF PORT		115	1	10.5				20	BY OTHERS	2#8 #10 GND 3/4"C		
584		CONDENSATE HEAT TAPE POS #1		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFPE PROTECTION
585		CONDENSATE HEAT TAPE POS #1		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFPE PROTECTION
586		CONDENSATE HEAT TAPE POS #2		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFPE PROTECTION
587		CONDENSATE HEAT TAPE POS #2		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFPE PROTECTION
588		CONDENSATE HEAT TAPE POS COOLER		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFPE PROTECTION
589		CONDENSATE HEAT TAPE POS COOLER		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFPE PROTECTION
590		AIR-CURTAIN FAN/ CONTROL POS #1		115	1			5		20	BY OTHERS	2#10 #10 GND 3/4"C		
591		AIR-CURTAIN FAN/ CONTROL POS #2		115	1			5		20	BY OTHERS	2#10 #10 GND 3/4"C		
592		AIR CURTAIN POS FREEZER #1		460	3			12		20	BY OTHERS	3#10 #10 GND 3/4"C		
593		AIR CURTAIN POS FREEZER #2		460	3			12		20	BY OTHERS	3#10 #10 GND 3/4"C		
593.1		CONVENIENCE OUTLET POS FREEZER #1		115	1		1920			20	BY OTHERS	2#6 #6 GND 1"C		#6 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 250' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
593.2		CONVENIENCE OUTLET POS FREEZER #1		115	1		1920			20	BY OTHERS	2#6 #6 GND 1"C		#6 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 250' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
593.3		CONVENIENCE OUTLET POS FREEZER #2		115	1		1920			20	BY OTHERS	2#6 #6 GND 1"C		#6 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 250' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
593.4		CONVENIENCE OUTLET POS FREEZER #2		115	1		1920			20	BY OTHERS	2#6 #6 GND 1"C		#6 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 250' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
593.5		CONVENIENCE OUTLET POS COOLER		115	1		1920			20	BY OTHERS	2#6 #6 GND 1"C		#6 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 250' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
593.6		CONVENIENCE OUTLET POS COOLER		115	1		1920			20	BY OTHERS	2#6 #6 GND 1"C		#6 CONDUCTORS MAXIMUM CIRCUIT DISTANCE IS 250' TO MAINTAIN LESS THAN 3% VOLTAGE DROP.
600 BAKERY														
LIGHTING (600-619)														
601		BAKERY LIGHTING		277	1	10.4	2880			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
601-E		BAKERY LIGHTING - EM BATTERY CHARGING CIRCUIT					22							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
603		BAKERY COOLER/FREEZER LIGHTING		277	1	2.2	600			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
603-E		BAKERY COOLER/FREEZER - EM BATTERY CHARGING CIRCUIT					22							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
604		BAKERY CAKE CASE LIGHTING	A17	115	1			2.4		20	BY OTHERS	2#10 #10 GND 3/4"C	X	
CASES (620-639)														
621		BAKERY CAKE CASE FANS	A17	115	1			2.4		20	BY OTHERS	2#10 #10 GND 3/4"C		
WALK-INS (640-679)														
641		BAKERY COOLER WALK-IN BOX EVAPORATOR	A16	208	1				2.76	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
642		BAKERY COOLER WALK-IN BOX EVAPORATOR	B16	208	1				2.76	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
643		BAKERY FREEZER WALK-IN BOX EVAPORATOR	A5	208	1				11.93	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
644		BAKERY FREEZER WALK-IN BOX EVAPORATOR	B5	208	1				11.93	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
645		FREEZER DOOR HEATER / HEATED PRESSURE RELIEF PORT		115	1	10.5			10.5	20	BY OTHERS	2#10 #10 GND 3/4"C		
646		FREEZER DOOR HEATER / HEATED PRESSURE RELIEF PORT		115	1	10.5			10.5	20	BY OTHERS	2#10 #10 GND 3/4"C		
647		AIR CURTAIN FREEZER		460	3			12		20	BY OTHERS	3#10 #10 GND 3/4"C		
648		AIR-CURTAIN FAN/ CONTROL FREEZER		115	1			5		20	BY OTHERS	2#10 #10 GND 3/4"C		
CONTROLS AND MISCELLANEOUS (680-699)														
681		THERMO SIMPLE TRANSFORMER		115	1	2.0				20	BY OTHERS	2#10 #10 GND 3/4"C		
683		CONDENSATE HEAT TAPE		115	1	5.0				20	BY OTHERS	2#10 #10 GND 3/4"C		ALL HEAT TAPE REQUIRE 30mA GFPE PROTECTION
700 DAIRY														
LIGHTING (700-719)														
701		DAIRY COOLER LIGHTING		277	1	5.2	1440			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
701-E		DAIRY COOLER LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
702		DAIRY COOLER LIGHTING		277	1	5.2	1440			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
702-E		DAIRY COOLER LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
703		D5 DAIRY LINE-UP LIGHTING (FUTURE)		115	1				12	20	BY OTHERS	2#10 #10 GND 3/4"C	X	
CASE FANS (720-739)														
720		D5 DAIRY LINE-UP FANS (FUTURE)		115	1				4.1	20	BY OTHERS	2#10 #10 GND 3/4"C		
WALK-INS (740-779)														
741		DAIRY COOLER WALK-IN BOX EVAPORATOR	A12	208	1				11.92	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
742		DAIRY COOLER WALK-IN BOX EVAPORATOR	A12	208	1				11.92	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
743		DAIRY COOLER WALK-IN BOX EVAPORATOR	B12	208	1				11.92	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
744		DAIRY COOLER WALK-IN BOX EVAPORATOR	B12	208	1				11.92	15	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
CONTROLS AND MISCELLANEOUS (780-799)														
781		THERMO SIMPLE TRANSFORMER		115	1	2.0				20	BY OTHERS	2#10 #10 GND 3/4"C		
782		SHOP-IN DAIRY COOLER AIR DOOR		208	3			8.6		15	BY OTHERS	3#10 #10 GND 3/4" C		
800 PRODUCE														
LIGHTING (800-819)														
801		PRODUCE COOLER LIGHTING		277	1	6.1	1680			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
801-E		PRODUCE COOLER LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
804		D5 PRODUCE LINE-UP LIGHTING		115	1				12	20	BY OTHERS	2#10 #10 GND 3/4"C		
CASE FANS (820-839)														
821		D5 PRODUCE LINE-UP FANS		115	1				4.1	20	BY OTHERS	2#10 #10 GND 3/4"C		
WALK-INS (840-879)														
841		PRODUCE COOLER WALK-IN BOX EVAPORATOR	A11	208	1				3.41	20	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
842		PRODUCE COOLER WALK-IN BOX EVAPORATOR	A11	208	1				3.41	20	208V FAN CONTROL PANEL	2#10 #10 GND 3/4"C		
843		PRODUCE COOLER WALK-IN BOX EVAPORATOR	A11	208	1				3.41	20	208V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
844		PRODUCE COOLER WALK-IN BOX EVAPORATOR	B11	208	1				3.41	20	208V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
845		PRODUCE COOLER WALK-IN BOX EVAPORATOR	B11	208	1				3.41	20	208V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
846		PRODUCE COOLER WALK-IN BOX EVAPORATOR	B11	208	1				3.41	20	208V FAN CONTROL PANEL	3#10 #10 GND 3/4"C		
CONTROLS & MISCELLANEOUS (880-899)														
881		THERMO SIMPLE TRANSFORMER		115	1	2.0				20	BY OTHERS	2#10 #10 GND 3/4"C		
882		SHOP-IN PRODUCE AIR DOOR		208	3			8.6		15	BY OTHERS	3#10 #10 GND 3/4" C		
900 FOOD SERVICE														
LIGHTING (900-919)														
901		FOOD SERVICE LIGHTING		277	1	6.9	1920			20	BY OTHERS	3#10 #10 GND 3/4"C	X	
901-E		FOOD SERVICE LIGHTING - EM BATTERY CHARGING CIRCUIT					11							CONNECT TO 24 HOUR NON-CONTROLLED POLE OF LIGHTING CIRCUIT FOR EM BATTERY CHARGING.
CASES (920-939)														
WALK-INS (940-979)														
941		EVAPORATOR FANS UNIT #1	C1	115	1	1.5				20	BY OTHERS	2#10 #10 GND 3/4"C		
942		EVAPORATOR FANS UNIT #2	D1	115	1	1.5				20	BY OTHERS	2#10 #10 GND 3/4"C		
943		CONDENSING UNIT #1	CU1	208	1	24.6				40	BY OTHERS	2#8 #10 GND 3/4"C		
944		CONDENSING UNIT #2	CU2	208	1	24.6				40	BY OTHERS	2#8 #10 GND 3/4"C		
CONTROLS & MISCELLANEOUS (980-999)														
981		THERMO SIMPLE TRANSFORMER		115	1	2.0				20	BY OTHERS	2#10 #10 GND 3/4"C		

GENERAL NOTES:
A. NUMBERING INTENTONALLY BEGINS AT 300'S TO AVOID CONFUSIONS WITH ROOM NUMBERS.

GENERAL NOTES

A. BUILDING ELECTRICAL ENGINEER IS RESPONSIBLE FOR COMPILING FINAL LOAD TABULATION FOR EACH PANEL TO CONFIRM NO OVERLOAD CONDITION EXIST.
B. CONTROL BREAKERS ARE REQUIRED FOR ALL LIGHTING CIRCUITS.
C. SEE LIGHTING CONTROL SCHEDULE ON BUILDING ELECTRICAL DRAWINGS.
D. ALL DOOR HEATERS AND HEAT TAPE REQUIRE 30mA GFI BREAKERS.
E. PANEL(S) INSTALLED BY OTHERS UNDER SEPARATE CONTRACT UNDER SEPARATE SCOPE AND CONTRACT. ALL PANEL INFORMATION INCLUDING MAIN, SPARES, BUSSED SPACES AND SPACES HAVE BEEN COORDINATED. ALL CIRCUITS ARE THE RESPONSIBILITY OF THE PROJECT E.C. ANY DIVERSIONS OR DISCREPANCIES FROM THESE SCHEDULES OR EQUIPMENT LOAD INFORMATION SHALL BE COORDINATED WITH BOTH EOR'S IMMEDIATELY.
F. INSTALL SINAGE FOR "DUAL SOURCES OF POWER SERVING THIS BUILDING" AT METER BASE AND EACH ELECTRICAL PANEL, ROOM AND EACH PIECE OF EQUIPMENT SERVED BY GENERATOR.

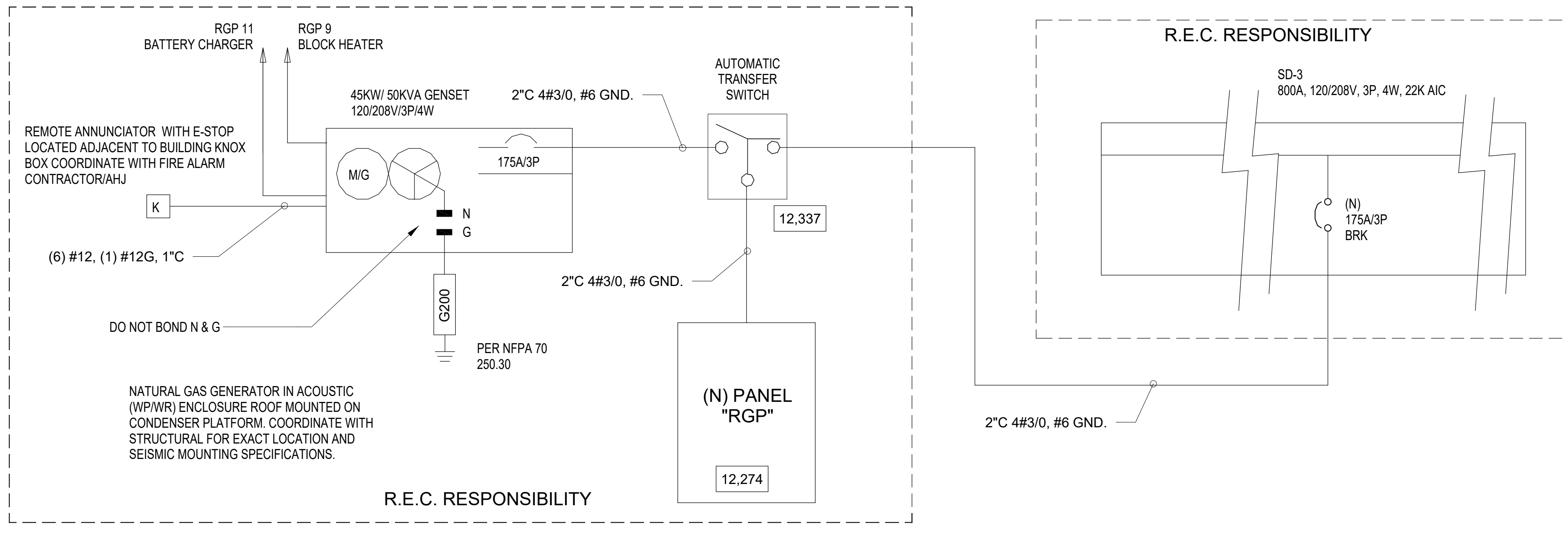
PANEL:RGP

LOCATION:	RECEIVING AREA MEZZANINE	**AMPS:**	225 A	**MINIUM AIC RATING:**	SEE POWER RISER OR ONE-LINE
TYPE OF MAIN:	175 MCB	**VOLTAGE:**	208Y/120	**MOUNTING TYPE:**	SURFACE
MANUFACTURER:	SQ-D	**PHASES:**	3	**NOTES:**	E.C. SHALL VERIFY ALL BREAKER SIZES
MODEL TYPE:	NQOB	**WIRES:**	4		

LOAD NAME	CKT NO	BKR AMP	POLE	A		B		C		POLE	BKR AMP	CKT NO	LOAD NAME
CONTROLS RACK A - 311	1	20	1	1920	0					1	20	2	SPARE
CONTROLS RACK B - 312	3	20	1			1920	0			1	20	4	SPARE
460V FAN CONTROL PANEL CONTROL - 343	5	20	1					1920	0	1	20	6	SPARE
MT WORKSTATION - 349	7	15	1	600	1920					1	20	8	208V FAN CONTROL PANEL CONTROL - 344
GENERATOR BLOCK HEATER - 354	9	20	1			1500	1920			1	20	10	VESSEL HEATER RACK A - 362
GENERATOR BATTERY CHARGER - 355	11	20	1					1200	1920	1	20	12	VESSEL HEATER RACK B - 363
RACK A CONDENSING UNIT - 350	13	40	3	3323	3448					3	40	14	EVAC SYSTEM - 352
--	15	--	--			3323	3448			--	--	16	--
--	17	--	--					3323	3448	--	--	18	--
RACK B CONDENSING UNIT - 351	19	40	3	3323	0					1	20	20	SPARE
--	21	--	--			3323	0			1	20	22	SPARE
--	23	--	--					3323	0	1	20	24	SPARE
				14533.5		15433.5		15133.5		**TOTAL CONNECTED PHASE VA**			
				121.1		129.4		126.9		**TOTAL CONNECTED PHASE AMPS**			

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
Lighting	0	0.00%	0	**TOTAL CONNECTED LOAD:**	45100.5
Convenience Outlets	0	0.00%	0	**TOTAL CONNECTED AMPS:**	125.2
Motors	30281	100.00%	30281		
Kitchen Equipment	0	0.00%	0	**TOTAL EST. DEMAND:**	45100.5
Electric Heat	5340	100.00%	5340	**TOTAL EST. DEMAND AMPS:**	125.2
Water Heat	0	0.00%	0		
Miscellaneous	9480	100.00%	9480		

NOTES
:


RGP 11
BATTERY CHARGER
RGP 9
BLOCK HEATER
45KW/ 50KVA GENSET
120/208V/3P/4W
2"C 4#3/0, #6 GND.
AUTOMATIC
TRANSFER
SWITCH
REMOTE ANNUNCIATOR WITH E-STOP LOCATED ADJACENT TO BUILDING KNOX BOX COORDINATE WITH FIRE ALARM CONTRACTOR/AHJ
M/G
175A/3P
K
N
G
12,337
(6) #12, (1) #12G, 1"C
2"C 4#3/0, #6 GND.
DO NOT BOND N & G
G200
PER NFPA 70
250.30
NATURAL GAS GENERATOR IN ACOUSTIC (WP/WR) ENCLOSURE ROOF MOUNTED ON CONDENSER PLATFORM. COORDINATE WITH STRUCTURAL FOR EXACT LOCATION AND SEISMIC MOUNTING SPECIFICATIONS.
(N) PANEL
"RGP"
12,274
R.E.C. RESPONSIBILITY
R.E.C. RESPONSIBILITY
SD-3
800A, 120/208V, 3P, 4W, 22K AIC
(N)
175A/3P
BRK
2"C 4#3/0, #6 GND.

1 / RE3.3 TRANSFER SWITCH DETAIL
1/8" = 1'-0"

Cushing Terrell.
cushingterrell.com
800.757.9522

REFRIGERATION
COSTCO WHOLESALE
LEE'S SUMMIT, MO

GARY GLASSING
NUMBER
PE-2006000091
12/22/2025

PERMIT

12.22.2025
DESIGNED BY | SCHMIDT
DRAWN BY | SCHUELER
REVISIONS

ELECTRICAL
COORDINATION SHEET

RE3.3