NEJMARK
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PROPOSED CHANGE NOTICE

2445-54

No work is to be done before this matter is finalized and a "Change Order" is issued. This copy to remain with your office. Do not return. Contractor to submit signed letter with price including cost breakdown and change (if any) to construction schedule. Authority having Jurisdiction shall advise of any objections.

TO: **QUOREX CONSTRUCTION SERVICES LTD.**
1630A 8th Avenue,
Regina, SK S4R 1E5

RE: **AURORA FOOD STORE**
2000 ANAQUOD ROAD
REGINA, SK
Commission No. 2445

DATE: November 27, 2025

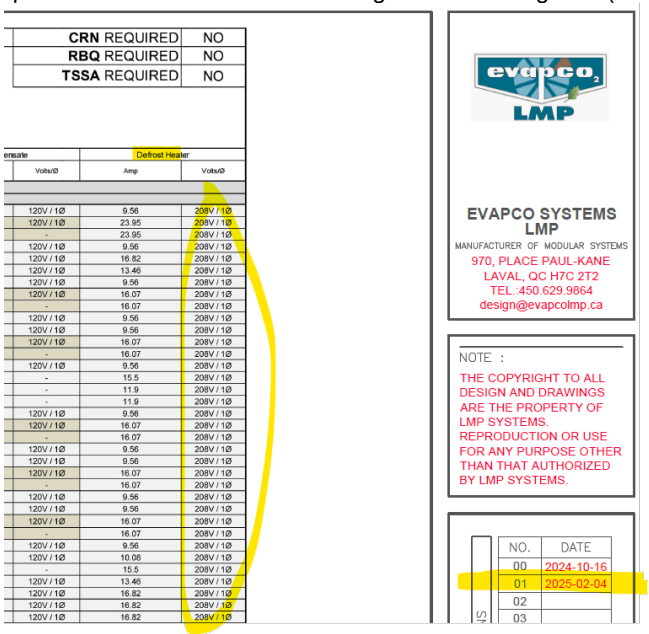
PAGES: 4 (including cover)

RE: **Frozen Foods Refrigeration Defrost Heaters**

1.0 ELECTRICAL

.1 Refer to attached Electrical PCN #28, dated November 26, 2025 (3 pages).

.2 Modifications as per LMP's second version of Refrigeration drawing R01 (2025-02-04, not 2024-11-19):



CRN REQUIRED	NO
RBQ REQUIRED	NO
TSSA REQUIRED	NO

ensate	Defrost Heater	
Volts/Ø	Amp	Volts/Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	23.95	208V / 1Ø
-	23.95	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	16.82	208V / 1Ø
120V / 1Ø	13.46	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	16.07	208V / 1Ø
-	16.07	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	16.07	208V / 1Ø
-	16.07	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
-	15.5	208V / 1Ø
-	11.9	208V / 1Ø
-	11.9	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	16.07	208V / 1Ø
-	16.07	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	16.07	208V / 1Ø
-	16.07	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	16.07	208V / 1Ø
-	16.07	208V / 1Ø
120V / 1Ø	9.56	208V / 1Ø
120V / 1Ø	10.08	208V / 1Ø
-	15.5	208V / 1Ø
120V / 1Ø	13.46	208V / 1Ø
120V / 1Ø	16.82	208V / 1Ø
120V / 1Ø	16.82	208V / 1Ø
120V / 1Ø	16.82	208V / 1Ø

evapco LMP

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LMP
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NOTE :
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NO.	DATE
00	2024-10-16
01	2025-02-04
02	
03	

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Principal
Kevin Fawley, SAA MRAIC

ELECTRICAL PROPOSED CHANGE NOTICE #28

24-258

Project:	Aurora Grocery Store 2000 Anaquod Road, Regina, Saskatchewan
Subject:	Refrigeration Equipment Phase Change – Defrost Heaters
Date:	2025.11.26

Subject: Refrigeration Equipment Phase Change – Defrost Heaters
References: Electrical Drawing E0.3 – Schedules
Electrical Drawing E2.0 – Refrigeration

1. Refer to attached drawing E0.3 - Schedules for revisions in Panel ‘R1M’, Panel ‘R2L’, Panel ‘R3L’ and Panel ‘R4L’.

    1.1. Total of five(5) 15A-3P breakers, five(5) 20A-3P breakers and fourteen(14) 25A-3P breakers are removed.

    1.2. Total of five(5) 15A-2P breakers, five(5) 20A-3P breakers and fourteen(14) 25A-2P breakers are added.

2. Refer to attached drawing E4.0 – Refrigeration for revised circuitry for equipment defrost heaters. Refer to LMP refrigeration schedule for details.

200-1100 Corydon Avenue Winnipeg, Manitoba R3M 0Y8 204-272-3255 www.cgmeng.ca

PANEL '2B'
200A-120/208V-3PH-4W PANEL
SURFACE MOUNTED IN WEST STAFF CORRIDOR

DESCRIPTION	CIRCUIT BREAKER		A	B	C		CIRCUIT BREAKER	DESCRIPTION
DWH-1, DOMESTIC WATER HEATER	15	1	φ			2	-	SPACE
DWH-2, DOMESTIC WATER HEATER	15	3		φ		4	15	EF-3, EXHAUST FAN
P-1, RE-CIRCULATION PUMP	15	5			φ	6	15	EF-4, EXHAUST FAN
P-2, RE-CIRCULATION PUMP	15	7	φ			8	15	EF-5, EXHAUST FAN
CU-1, CONDENSING UNIT	20	9		φ		10	15	EF-6, EXHAUST FAN
		11			φ	12	15	EF-7, EXHAUST FAN
MUA-1, MAKE-UP AIR	20	13	φ			14	15	EF-8, EXHAUST FAN
		15		φ		16	15	DF-2,4,6 - DESTRATIFICATION FAN
		17			φ	18	15	DF-3,5,7 - DESTRATIFICATION FAN
EF-9, EXHAUST FAN #10 WIRE	30	19	φ			20	15	DF-1,8,9 - DESTRATIFICATION FAN
		21		φ		22	15	TF-1, TRANSFER FAN
		23			φ	24	15	UH-1, UNIT HEATER
ERV-1, ENERGY RECOVERY VENTILATOR	15	25	φ			26	15	UH-2, UNIT HEATER
EHC-1, ELECTRIC HEATING COIL #8 WIRE	50	27		φ		28	15	UH-3, UNIT HEATER
		29			φ	30	15	UH-4, UNIT HEATER
EHC-2, ELECTRIC HEATING COIL #8 WIRE	35	31	φ			32	15	UH-5, UNIT HEATER
		33		φ		34	15	MOTORIZED DAMPERS
SPACE	-	35			φ	36	-	SPACE
EFF-1, FORCE FLOW HEATER (1 x 2.0 kW)	15	37	φ			38	-	SPACE
		39		φ		40	-	SPACE
EFF-1. FORCE FLOW HEATER (1 x 2.0 kW)	15	41			φ	42	-	SPACE
		43	φ			44	-	SPACE
EBB-1, BASEBOARD HEATERS (4 x 1.0 kW) #10 WIRE	25	45		φ		46	-	SPACE
		47			φ	48	-	SPACE
SPACE	-	49	φ			50	-	SPACE
SPACE	-	51		φ		52	-	SPACE
SPACE	-	53			φ	54	-	SPACE
SPACE	-	55	φ			56	-	SPACE
SPACE	-	57		φ		58	-	SPACE
SPACE	-	59			φ	60	-	SPACE
SPACE	-	61	φ			62	-	SPACE
SPACE	-	63		φ		64	-	SPACE
SPACE	-	65			φ	66	-	SPACE
SPACE	-	67	φ			68	-	SPACE
SPACE	-	69		φ		70	-	SPACE
SPACE	-	71			φ	72	-	SPACE
SPACE	-	73	φ			74	-	SPACE
SPACE	-	75		φ		76	-	SPACE
SPACE	-	77			φ	78	-	SPACE
SPACE	-	79	φ			80	-	SPACE
SPACE	-	81		φ		82	-	SPACE
SPACE	-	83			φ	84	-	SPACE

PANEL 'C2'
200A-120/208V-3PH-4W PANEL
RECESS MOUNTED IN OFFICE CORRIDOR

DESCRIPTION	CIRCUIT BREAKER		A	B	C		CIRCUIT BREAKER	DESCRIPTION
CHECKOUT #1	15	1	φ			2	15	SELF CHECKOUT #1
CHECKOUT #1	15	3		φ		4	15	SELF CHECKOUT #1
CHECKOUT #2	15	5			φ	6	15	SELF CHECKOUT #2
CHECKOUT #2	15	7	φ			8	15	SELF CHECKOUT #2
CHECKOUT #3	15	9		φ		10	15	SELF CHECKOUT #3
CHECKOUT #3	15	11			φ	12	15	SELF CHECKOUT #3
CHECKOUT #4	15	13	φ			14	15	SELF CHECKOUT #4
CHECKOUT #4	15	15		φ		16	15	SELF CHECKOUT #4
CHECKOUT #5	15	17			φ	18	15	SELF CHECKOUT #5
CHECKOUT #5	15	19	φ			20	15	SELF CHECKOUT #5
CHECKOUT #6	15	21		φ		22	15	SELF CHECKOUT #6
CHECKOUT #6	15	23			φ	24	15	SELF CHECKOUT #6
CHECKOUT COOLER	15	25	φ			26	15	SERVICE DESK
		27		φ		28	15	SERVICE DESK
SPARE	15	29			φ	30	15	SERVICE DESK
EXTERIOR SIGNAGE	15	31	φ			32	15	SERVICE DESK
ICE COOLER	15	33		φ		34	15	SERVICE DESK
EXTERIOR SEATING RECEPTACLES	15	35			φ	36	15	BILLBOARD - CHECKOUT
COUNTER RECEPTACLES	20	37	φ			38	15	BILLBOARD - CHECKOUT
COUNTER RECEPTACLES	20	39		φ		40	15	BILLBOARD - CHECKOUT
COUNTER RECEPTACLES	20	41			φ	42	15	BILLBOARD - CHECKOUT
ROLLER WINDOW SHUTTER	15	43	φ			44	15	EBB-1, BASEBOARD HEATER (1 x 2.0 kW)
ROLLER WINDOW SHUTTER	15	45		φ		46		
ROLLER WINDOW SHUTTER	15	47			φ	48	15	EBB-1, BASEBOARD HEATER (1 x 2.0 kW)
ROLLER WINDOW SHUTTER	15	49	φ			50		
EXTERIOR SIGNAGE	15	51		φ		52	15	CHECKOUT COOLER
WATER DISPENSER	15	53			φ	54		
COINSTAR	15	55	φ			56	15	CHECKOUT COOLER
ATM	15	57		φ		58		
VESTIBULE TV	15	59			φ	60	15	SPARE
SPACE	-	61	φ			62	15	SPARE
SPACE	-	63		φ		64	-	SPACE
SPACE	-	65			φ	66	-	SPACE
SPACE	-	67	φ			68	-	SPACE
SPACE	-	69		φ		70	-	SPACE
SPACE	-	71			φ	72	-	SPACE
SPACE	-	73	φ			74	-	SPACE
SPACE	-	75		φ		76	-	SPACE
SPACE	-	77			φ	78	-	SPACE
SPACE	-	79	φ			80	-	SPACE
SPACE	-	81		φ		82	-	SPACE
SPACE	-	83			φ	84	-	SPACE

PANEL 'R2L'
400A-120/208V-3PH-4W PANEL
SURFACE MOUNTED IN WEST STAFF CORRIDOR

DESCRIPTION	CIRCUIT BREAKER		A	B	C		CIRCUIT BREAKER	DESCRIPTION
AL-C1 (DEFROST HEATERS)	15	1	φ			2	25	AL-E1 (EVAPORATOR PANEL A)
		3		φ		4		
AL-C2 (DEFROST HEATERS) #10 WIRE	30	5			φ	6	25	AL-E2 (EVAPORATOR PANEL B)
		7	φ			8		
AL-C3 (DEFROST HEATERS) #10 WIRE	30	9		φ		10	-	SPACE
		11			φ	12	-	SPACE
AL-C4 (DEFROST HEATERS)	15	13	φ			14	15	AL-C15 (DEFROST HEATERS)
		15		φ		16		
AL-C5 (DEFROST HEATERS) #10 WIRE	25	17			φ	18	25	AL-C16 (DEFROST HEATERS) #10 WIRE
		19	φ			20		
SPACE	-	21		φ		22	25	AL-C17 (DEFROST HEATERS) #10 WIRE
AL-C6 (DEFROST HEATERS)	20	23			φ	24		
		25	φ			26	15	AL-C18 (DEFROST HEATERS)
SPACE	-	27		φ		28		
AL-C7 (DEFROST HEATERS)	15	29			φ	30	15	AL-C19 (DEFROST HEATERS)
		31	φ			32		
AL-C8 (DEFROST HEATERS) #10 WIRE	25	33		φ		34	25	AL-C20 (DEFROST HEATERS) #10 WIRE
		35			φ	36		
AL-C9 (DEFROST HEATERS) #10 WIRE	25	37	φ			38	25	AL-C21 (DEFROST HEATERS) #10 WIRE
		39		φ		40		
AL-C10 (DEFROST HEATERS)	15	41			φ	42	15	AL-C22 (DEFROST HEATERS)
		43	φ			44		
AL-C11 (DEFROST HEATERS)	15	45		φ		46	15	AL-C23 (DEFROST HEATERS)
		47			φ	48		
AL-C12 (DEFROST HEATERS) #10 WIRE	25	49	φ			50	-	SPACE
		51		φ		52	-	SPACE
AL-C13 (DEFROST HEATERS) #10 WIRE	25	53			φ	54	-	SPACE
		55	φ			56	-	SPACE
AL-C14 (DEFROST HEATERS)	15	57		φ		58	-	SPACE
		59			φ	60	-	SPACE

PANEL 'R3L'
400A-120/208V-3PH-4W PANEL
SURFACE MOUNTED IN WEST STAFF CORRIDOR

DESCRIPTION	CIRCUIT BREAKER		A	B	C		CIRCUIT BREAKER	DESCRIPTION
AL-C24 (DEFROST HEATERS) #10 WIRE	25	1	φ			2	25	AL-C31 (DEFROST HEATERS) #10 WIRE
		3		φ		4		
AL-C25 (DEFROST HEATERS) #10 WIRE	25	5			φ	6	-	SPACE
		7	φ			8	25	AL-C32 (DEFROST HEATERS) #10 WIRE
AL-C26 (DEFROST HEATERS)	15	9		φ		10		
		11			φ	12	-	SPACE
AL-C27 (DEFROST HEATERS)	15	13	φ			14	25	AL-C33 (DEFROST HEATERS) #10 WIRE
		15		φ		16		
SPACE	-	17			φ	18	-	SPACE
AL-E4 (EVAPORATOR PANEL C)	25	19	φ			20	25	AL-C34 (DEFROST HEATERS) #10 WIRE
		21		φ		22		
SPACE	-	23			φ	24	-	SPACE
AL-C28 (DEFROST HEATERS)	20	25	φ			26	20	AL-C35 (DEFROST HEATERS)
		27		φ		28		
SPACE	-	29			φ	30	-	SPACE
AL-C29 (DEFROST HEATERS) #10 WIRE	25	31	φ			32	-	SPACE
		33		φ		34	-	SPACE
SPACE	-	35			φ	36	-	SPACE
AL-C30 (DEFROST HEATERS) #10 WIRE	25	37	φ			38	-	SPACE
		39		φ		40	-	SPACE
SPACE	-	41			φ	42	-	SPACE
SPACE	-	43	φ			44	-	SPACE
SPACE	-	45		φ		46	-	SPACE
SPACE	-	47			φ	48	-	SPACE
SPACE	-	49	φ			50	-	SPACE
SPACE	-	51		φ		52	-	SPACE
SPACE	-	53			φ	54	-	SPACE
SPACE	-	55	φ			56	-	SPACE
SPACE	-	57		φ		58	-	SPACE
SPACE	-	59			φ	60	-	SPACE

PANEL 'R4L'
400A-120/208V-3PH-4W PANEL
SURFACE MOUNTED IN WEST STAFF CORRIDOR

DESCRIPTION	CIRCUIT BREAKER		A	B	C		CIRCUIT BREAKER	DESCRIPTION
AL-C36 (DEFROST HEATERS)	15	1	φ			2	25	AL-C43 (DEFROST HEATERS) #10 WIRE
		3		φ		4		
SPACE	-	5			φ	6	-	SPACE
AL-C37 (DEFROST HEATERS)	15	7	φ			8	25	AL-C44 (DEFROST HEATERS) #10 WIRE
		9		φ		10		
SPACE	-	11			φ	12	-	SPACE
AL-C38 (DEFROST HEATERS)	15	13	φ			14	25	AL-C45 (DEFROST HEATERS) #10 WIRE
		15		φ		16		
SPACE	-	17			φ	18	-	SPACE
AL-C39 (DEFROST HEATERS)	20	19	φ			20	25	AL-C46 (DEFROST HEATERS) #10 WIRE
		21		φ		22		
SPACE	-	23			φ	24	-	SPACE
AL-C40 (DEFROST HEATERS) #10 WIRE	25	25	φ			26	20	AL-C47 (DEFROST HEATERS)
		27		φ		28		
SPACE	-	29			φ	30	-	SPACE
AL-C41 (DEFROST HEATERS) #10 WIRE	25	31	φ			32	15	AL-C48 (DEFROST HEATERS)
		33		φ		34		
SPACE	-	35			φ	36	-	SPACE
AL-C42 (DEFROST HEATERS) #10 WIRE	25	37	φ			38	-	SPACE
		39		φ		40	-	SPACE
SPACE	-	41			φ	42	-	SPACE
SPACE	-	43	φ			44	-	SPACE
SPACE	-	45		φ		46	-	SPACE
SPACE	-	47			φ	48	-	SPACE
SPACE	-	49	φ			50	-	SPACE
SPACE	-	51		φ		52	-	SPACE
SPACE	-	53			φ	54	-	SPACE
SPACE	-	55	φ			56	-	SPACE
SPACE	-	57		φ		58	-	SPACE
SPACE	-	59			φ	60	-	SPACE

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	VOLT	WATT
A	LED FLOOD LIGHT C/W TRACKHEAD	6' FROM WALL OR BULKHEAD SPACED 36" CC (SIGNAGE) OR 38" CC (WALLPAPER) @ 15'-0" AFF	SIGNIFY #LWW40930AL 4000 LUMENS MOUNTED ON LYTESPAN 6000 SERIES ALUMINUM (GRAY) TRACK	120V	41W
B	TRACK LIGHT	2'-6" FROM TARGET EDGE @ 15'-0" AFF SPACED 48" CC & 72" CC (ENDS)	SIGNIFY 9038NAL - LYTESPAN GIMBAL 33PAR38/PER/830/S15/DIM/120V 6/1FB MOUNTED ON LYTESPAN 6000 SERIES ALUMINUM TRACK	120V	33W
C	TRACK LIGHT	3'-6" FROM TARGET EDGE IN PLAN @ 15'-0" AFF SPACED 48" CC & 72" CC (ENDS)	SIGNIFY 9038NAL - LYTESPAN GIMBAL 36PAR38/PER/830/F25/ND/DIM/120V 6/1FB MOUNTED ON LYTESPAN 6000 SERIES ALUMINUM TRACK	120V	36W
TRACK BY SIGNAGE SUPPLIER	TRACK LIGHTING WITHIN SUSPENDED CEILINGS PROVIDED BY SIGNAGE SUPPLIER PER SIGNAGE SUPPLIER SPECIFICATIONS. TRACK LIGHTING PROVIDED BY SIGNAGE SUPPLIER. SIGNAGE SUPPLIER TO PROVIDE ADEQUATE NUMBER OF TRACKHEADS TO ILLUMINATE THE SALES FLOOR, REFRIGERATION & DISPLAY TABLES TO PROVIDE ADEQUATE ILLUMINATION/ FOOT CANDLES PER SOBEYS STANDARDS. TO ILLUMINATE REF. & DISPLAY UNITS & DEPT. SIGNS WHERE SUSPENDED CEILINGS.				
F	DOCK LIGHT	6'-0" A.F.F.	TRI-LITE DLGN-PLED	120V	20W
F1	2'X4' LED TROFFER	9' AFF OR AS NOTED ON PLAN SPACED TYP. 8' C.C. HORIZONTAL & 6'-0" VERTICAL	DAY-BRITE / CFI BY SIGNIFY 2SBP3550L8CS-4-UN3-DIM-3500K	347V	51W
F2	2'X2' LED HIGH BAY LUMINAIRE	15'-0" AFF TYP. OR AS NOTED ON PLAN	DAY-BRITE / CFI BY SIGNIFY HRL18L835-347-DIM-LFA-3500K-80CRI	347V	119.4W
F3	2'X4' LED LUMINAIRE	9' AFF TYP. OR AS NOTED ON PLAN	DAY-BRITE/ CFI BY SIGNIFY 2FGXG43L835-4-FS-347-DIM-4300L-80CRI-3500K	347V	31W
H1	8' LED STRIP LUMINAIRE	10' AFF IN HMR SURFACE/CEILING MOUNT AS APPLICABLE	DAY-BRITE/ CFI BY SIGNIFY SDS84998L8CST-UN3-DIM-80CRI-3500K	347V	77.5W
LA	4' LINEAR LED LUMINAIRE	CEILING/SURFACE MOUNTED OR SUSPENDED @ 10'AFF OR AS NOTED ON PLAN SPACED 6'0"OC APART.	DAY-BRITE/ CFI BY SIGNIFY FSI440L835-347-DIM-4000LM-80CRI-3500K	347V	29.3W
LA2	4' LINEAR LED LUMINAIRE	CEILING/SURFACE OR STEM MOUNTED OR AS NOTED ON PLAN SPACED 6'0"OC APART.	DAY-BRITE/ CFI BY SIGNIFY FSI455L835-347-DIM-5500LM-80CRI-3500K	347V	40.3W
LF	LINEAR LED	WALL/SURFACE MOUNTED ABOVE ENTRY DOORS/GLAZING	SIGNIFY VAYA LINEAR MP G2 C/W MOUNTING HINGE #3500-000023-15 & LEADER CABLE #308-000003-06 BEAM ANGLE 10X50-4000K-4378LM-80CRI	120V	60W
M1	DECORATIVE PENDANT	7'-0" TO U/S OF PENDANT & PLACED CENTRE TO TABLE LAYOUT	3D PRINTING BY SIGNIFY-I-03-L-T801-GR000-SI400-BK01-S-BK602-CONEL-300-N-E26	120V	8W
N	2'X2' LED TROFFER	9' AFF OR AS NOTED ON PLAN SPACED TYP. 8' C.C. HORIZONTAL & 6'-0" VERTICAL	DAY-BRITE / CFI BY SIGNIFY 2SBP3040L8CS-2-UN3-DIM-3500K	347V	51W
P1	6" ROUND LED DOWNLIGHT	RECESSED	LIGHTOLIER BY SIGNIFY 6RN + P6RDL20935MCCZ103	347V	15.6W
P2	DOWNLIGHT	RECESSED	LIGHTOLIER BY SIGNIFY LCRM10H1 (FRAME) LCRM10940-H1-BK-T-Z10U(FIXTURE) LLMRNF (OPTICS NARROW FLOOD)	120V	11.5W
P3	7" ROUND LED DOWNLIGHT	RECESSED	LIGHTOLIER BY SIGNIFY 7RN + C6L35835MZ10U + C7RDLNMCC	347V	29.1W
R	FLEXIBLE LINEAR LED	MOUNTED TO U/S OF BULKHEAD ABOVE REF.CASES (SWY ONLY)	COLOR KINETICS BY SIGNIFY VAYA FREE FORM DIMMABLE WHITE-3000K-350-000019-07 (15FT), 350-000019-08 (30FT)	120V	84W
RB	DECORATIVE PENDANT	9'-6" AFF TO U/S	KUZCO LIGHTING CORTANA PD82732-WH-LED WITH DC DRIVER-3000K	120V	55W
S	LED HIGH BAY LUMINAIRE	16'-0" AFF SPACED 15'-0"CC (TYP.) & 12'-0"OC, CENTRE TO GROCERY, DAIRY & FROZEN DOOR AISLES	DAY-BRITE/CFI SIGNIFY FBY18L835-347-WC6-18000L-3500K-80CRI	347V	133W
VT	4' LED LUMINAIRE	SURFACE/CEILING MOUNT	DAY-BRITE/CFI BY SIGNIFY V3W443L840-UNV-DIM VAPOURLUME LED V3W-4'-0"L	347V	29W
X1	EXTERIOR WALL SCONCE	WALL MOUNTED	ECLIPSE LIGHTING BSC-TI-XL1-UP10-DN10-4K-80CRI-UNV-PNA-CTB-BBX1	347V	16W
X2	EXTERIOR DOWNLIGHT	WALL MOUNTED	KEENE BY SIGNIFY LPW3270NW-G3-3-347MGY	347V	70W
CS	OCCUPANCY SENSOR	SURFACE/CEILING MOUNT	LEVITON ODC20-MDW LINE VOLTAGE (120V 0R 347) CEILING MOUNTED MTD - WHITE	-	-
CS-LT	OCCUPANCY SENSOR	SURFACE/CEILING MOUNT	LEVITON OSFHU-CTW-LINE VOLTAGE-CEILING MTD FOR LOW TEMP. OPERATION (-40)	-	-

NOTES:
1. PROVIDE ALL LUMINAIRES, POLES AND LAMPS. REVIEW LIGHTING DRAWINGS AND ALL ASSOCIATED NOTES, PROVIDE ALL NECESSARY ACCESSORIES.
2. ADJUST FIELD-CONFIGURABLE LIGHTS AS INDICATED.
3. FINISHES TO BE CONFIRMED BY ARCHITECTURAL DURING SUBMITTALS REVIEW.
4. SUBMIT SHOP DRAWINGS ALL LUMINAIRES, POLES, LAMPS, AND ACCESSORIES.
5. WATTAGES FOR 'TBD' LIGHTS AND PROSPECTIVE EQUALS NOT TO EXCEED THE VALUES INDICATED.
6. CONFIRM CEILING TYPES WITH ARCH. PROVIDE TRIM KITS AND MOUNTING HARDWARE/ACCESSORIES AS REQUIRED FOR INSTALLATION BASED ON CEILING TYPE.

PANEL 'C1'
100A-120/208V-3PH-4W PANEL
SURFACE MOUNTED IN COMPRESSOR ROOM 300

DESCRIPTION	CIRCUIT BREAKER		A	B	C		CIRCUIT BREAKER	DESCRIPTION
FIRE ALARM CONTROL PANEL	15	1	φ			2	20	DOCK LEVELER
TELECOM BACKBOARD	20	3		φ		4		
SECURITY PANEL	20	5			φ	6		
DATA RACK	20	7	φ			8	20	DOCK LEVELER
SPARE	20	9		φ		10		
SPARE	20	11			φ	12		
SPARE	20	13	φ			14	15	OVERHEAD DOOR
SPARE	15	15		φ		16	15	OVERHEAD DOOR
SPARE	15	17			φ	18	15	SC RECEPTACLE
ROOF MAINTENANCE RECEPTACLE	20	19	φ			20	15	SC RECEPTACLE
ROOF MAINTENANCE RECEPTACLE	20	21		φ		22	15	HOUSEKEEPING RECEPTACLES
ROOF MAINTENANCE RECEPTACLE	20	23			φ	24	15	GF RECEPTACLE
ROOF MAINTENANCE RECEPTACLE	20	25	φ			26	15	SPARE
ROOF MAINTENANCE RECEPTACLE	20	27		φ		28	15	HOUSEKEEPING RECEPTACLE
ROOF MAINTENANCE RECEPTACLE	20	29			φ	30	-	SPACE
ROOF MAINTENANCE RECEPTACLE	20	31	φ			32	-	SPACE
ROOF MAINTENANCE RECEPTACLE	20	33		φ		34	-	SPACE
ROOF MAINTENANCE RECEPTACLE	20	35			φ	36	-	SPACE
ROOF MAINTENANCE RECEPTACLE	20	37	φ			38	-	SPACE
ROOF MAINTENANCE RECEPTACLE	20	39		φ		40	-	SPACE
SPACE	-	41			φ	42	-	SPACE
SPACE	-	43	φ			44	-	SPACE
SPACE	-	45		φ		46	-	SPACE
SPACE	-	47			φ	48	-	SPACE
SPACE	-	49	φ			50	-	SPACE
SPACE	-	51		φ		52	-	SPACE
SPACE	-	53			φ	54	-	SPACE
SPACE	-	55	φ			56	-	SPACE
SPACE	-	57		φ		58	-	SPACE
SPACE	-	59			φ	60	-	SPACE
SPACE	-	61	φ			62	-	SPACE
SPACE	-	63		φ		64	-	SPACE
SPACE	-	65			φ	66	-	SPACE
SPACE	-	67	φ			68	-	SPACE
SPACE	-	69		φ		70	-	SPACE
SPACE	-	71			φ	72	-	SPACE
SPACE	-	73	φ			74	-	SPACE
SPACE	-	75		φ		76	-	SPACE
SPACE	-	77			φ	78	-	SPACE
SPACE	-	79	φ			80	-	SPACE
SPACE	-	81		φ		82	-	SPACE
SPACE	-	83			φ	84	-	SPACE

PANEL 'R1L'
200A-120/208V-3PH-4W PANEL
SURFACE MOUNTED IN WEST STAFF CORRIDOR

DESCRIPTION	CIRCUIT BREAKER		A	B	C		CIRCUIT BREAKER	DESCRIPTION
AL-C1 (FANS, LIGHTS, ANTI-CONDENSATE)	15	1	φ			2	-	SPACE
AL-C2 (FANS, LIGHTS, ANTI-CONDENSATE)	15	3		φ		4	-	SPACE
AL-C4 (FANS, LIGHTS, ANTI-CONDENSATE)	15	5			φ	6	15	AL-C28 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C5 (FANS, LIGHTS, ANTI-CONDENSATE)	15	7	φ			8	15	AL-C29 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C6 (FANS, LIGHTS, ANTI-CONDENSATE)	15	9		φ		10	15	AL-C30 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C7 (FANS, LIGHTS, ANTI-CONDENSATE)	15	11			φ	12	15	AL-C31 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C8 (FANS, LIGHTS, ANTI-CONDENSATE)	15	13	φ			14	15	AL-C32 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C10 (FANS, LIGHTS, ANTI-CONDENSATE)	15	15		φ		16	15	AL-C33 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C11 (FANS, LIGHTS, ANTI-CONDENSATE)	15	17			φ	18	15	AL-C34 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C12 (FANS, LIGHTS, ANTI-CONDENSATE)	15	19	φ			20	15	AL-C35 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C14 (FANS, LIGHTS, ANTI-CONDENSATE)	15	21		φ		22	15	AL-C36 (FANS, LIGHTS, ANTI-CONDENSATE)
SPACE	-	23			φ	24	15	AL-C37 (FANS, LIGHTS, ANTI-CONDENSATE)
SPACE	-	25	φ			26	15	AL-C38 (FANS, LIGHTS, ANTI-CONDENSATE)
SPACE	-	27		φ		28	15	AL-C39 (FANS, LIGHTS, ANTI-CONDENSATE)
SPACE	-	29			φ	30	15	AL-C40 (FANS, LIGHTS, ANTI-CONDENSATE)
SPACE	-	31	φ			32	15	AL-C41 (FANS, LIGHTS, ANTI-CONDENSATE)
SPACE	-	33		φ		34	15	AL-C42 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C15 (FANS, LIGHTS, ANTI-CONDENSATE)	15	35			φ	36	15	AL-C43 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C16 (FANS, LIGHTS, ANTI-CONDENSATE)	15	37	φ			38	15	AL-C44 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C18 (FANS, LIGHTS, ANTI-CONDENSATE)	15	39		φ		40	15	AL-C45 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C19 (FANS, LIGHTS, ANTI-CONDENSATE)	15	41			φ	42	15	AL-C46 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C20 (FANS, LIGHTS, ANTI-CONDENSATE)	15	43	φ			44	15	AL-C47 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C22 (FANS, LIGHTS, ANTI-CONDENSATE)	15	45		φ		46	15	AL-C48 (FANS, LIGHTS, ANTI-CONDENSATE)
AL-C23 (FANS, LIGHTS, ANTI-CONDENSATE)	15	47			φ	48	-	SPACE
AL-C24 (FANS, LIGHTS, ANTI-CONDENSATE)	15	49	φ			50	-	SPACE
AL-C26 (FANS, LIGHTS, ANTI-CONDENSATE)	15	51		φ		52	-	SPACE
AL-C27 (FANS, LIGHTS, ANTI-CONDENSATE)	15	53			φ	54	-	SPACE
SPACE	-	55	φ			56	-	SPACE
SPACE	-	57		φ		58	-	SPACE
SPACE	-	59			φ	60	-	SPACE
SPACE	-	61	φ			62	-	SPACE
SPACE	-	63		φ		64	-	SPACE
SPACE	-	65			φ	66	-	SPACE
SPACE	-	67	φ			68	-	SPACE
SPACE	-	69		φ		70	-	SPACE
SPACE	-	71			φ	72	-	SPACE
SPACE	-	73	φ			74	-	SPACE
SPACE	-	75		φ		76	-	SPACE
SPACE	-	77			φ	78	-	SPACE
SPACE	-	79	φ			80	-	SPACE
SPACE	-	81		φ		82	-	SPACE
SPACE	-	83			φ	84	-	SPACE

MECHANICAL SCHEDULE

TYPE	DESCRIPTION	LOCATION	VOLTAGE	LOAD	CIRCUIT BREAKER	WIRE SIZE	REMARKS
DWH-1	DOMESTIC WATER HEATER	MECHANICAL ROOM	120V-1PH	5 AMPS	15A-1P	#12	-
DWH-2	DOMESTIC WATER HEATER	MECHANICAL ROOM	120V-1PH	5 AMPS	15A-1P	#12	-
P-1	RECIRCULATION PUMP	MECHANICAL ROOM	120V-1PH	270 WATTS	15A-1P	#12	-
P-2	RECIRCULATION PUMP	MECHANICAL ROOM	120V-1PH	92 WATTS	15A-1P	#12	-
RTU-1	ROOFTOP UNIT	ROOF	600V-3PH	117 MCA	125A-3P	#1	-
RTU-2	ROOFTOP UNIT	ROOF	600V-3PH	55.8 MCA	70A-3P	#4	-
RTU-3	ROOFTOP UNIT	ROOF	600V-3PH	26.6 MCA	30A-3P	#10	-
RTU-4	ROOFTOP UNIT	ROOF	600V-3PH	8.2 MCA	15A-3P	#12	-
RTU-5	ROOFTOP UNIT	ROOF	600V-3PH	8.2 MCA	15A-3P	#12	-
RTU-5	ROOFTOP UNIT	ROOF	600V-3PH	8.2 MCA	15A-3P	#12	-
MUA-1	MAKE-UP AIR UNIT	ROOF	208V-3PH	11.9 MCA	20A-3P	#12	-
RH-1	RANGEHOOD	HMR	120V-1PH	60 WATTS	15A-1P	#12	-
RH-2	RANGEHOOD	HMR	120V-1PH	60 WATTS	15A-1P	#12	-
EF-1	EXHAUST FAN	ROOF	600V-3PH	1 HP	15A-3P	#12	-
EF-2	EXHAUST FAN	DELETED	DELETED	DELETED	DELETED	DELETED	DELETED
EF-3	EXHAUST FAN	SUSPENDED	120V-1PH	80 WATTS	15A-1P	#12	-
EF-4	EXHAUST FAN	SUSPENDED	120V-1PH	141 WATTS	15A-1P	#12	-
EF-5	EXHAUST FAN	SUSPENDED	120V-1PH	62 WATTS	15A-1P	#12	-
EF-6	EXHAUST FAN	ROOF	120V-1PH	½ HP	15A-1P	#12	-
EF-7	EXHAUST FAN	ROOF	120V-1PH	½ HP	15A-1P	#12	-
EF-8	EXHAUST FAN	ROOF	120V-1PH	½ HP	15A-1P	#12	-
EF-9	EXHAUST FAN	ROOF	208V-3PH	3 HP	30A-3P	#10	-
DF-1-9	DESTRATIFICATION FAN	SUSPENDED AT HIGH LEVEL	120V-1PH	10.2 WATTS	15A-1P	#12	-
TF-1	TRANSFER FAN	MOUNTED IN CIELING	120V-1PH	170 WATTS	15A-1P	#12	-
EV-1	EVAPORATOR	WALL MOUNTED	208V-1PH	13.9 AMPS	20A-2P	#12	-
CU-1	CONDENSING UNIT	ROOF	208V-1PH	13.9 AMPS	20A-2P	#12	-
AC-1	AIR CURTAIN	WALL MOUNTED	600V-3PH	19.6 AMPS	25A-3P	#10	-
UH-1-4	UNIT HEATER	SUSPENDED IN WAREHOUSE	120V-1PH	392 W	15A-1P	#12	-
ERV-1	ENERGY RECOVERY VENTILATOR	SUSPENDED IN COMPRESSOR ROOM	120V-1PH	MCA: 12.9 AMPS	15A-1P	#12	-
EHC-1	ELECTRIC HEATING COIL	SUSPENDED IN COMPRESSOR ROOM	208V-1PH	7.5 KW	50A-2P	#8	-
EHC-2	ELECTRIC HEATING COIL	SUSPENDED IN COMPRESSOR ROOM	208V-1PH	5.5 KW	35A-2P	#8	-

NOTES:
1. WIRE AND CONNECT ALL MECHANICAL EQUIPMENT AS INDICATED. COORDINATE WITH MECHANICAL ON SITE.
2. CONFIRM ALL EQUIPMENT LOADS, CIRCUIT SIZES, AND MOUNTING HEIGHTS PRIOR TO ROUGH-IN.
3. PROVIDE ALL RELAYS & WIRING AND MAKE ALL CONNECTIONS FOR INTERLOCKING OF MECHANICAL EQUIPMENT AS REQUIRED. CONFIRM AND COORDINATE EXACT REQUIREMENTS WITH MECHANICAL ON SITE.
4. PROVIDE ALL MOTOR STARTERS AND DISCONNECT SWITCHES AS REQUIRED.
5. ALL MOTOR STARTERS ARE TO BE COMPLETE WITH OVERCURRENT PROTECTION.
6. PROVIDE A SEPARATE CIRCUIT WEATHERPROOF GF T-SLOT DUPLEX RECEPTACLE MOUNTED ON ROOF NEXT TO ALL EQUIPMENT MOUNTED ON ROOF FOR SERVICING OF EQUIPMENT AS PER C.E.C. 26-710.
7. ALL HIGH VOLUME LOW SPEED FANS ARE TO BE INTERLOCKED WITH FIRE ALARM SYSTEM TO SHUT DOWN IMMEDIATELY UPON ACTIVATION OF SPRINKLER SYSTEM.
8. PROVIDE 120V POWER SUPPLY FOR MAKE-UP AIR (MUA) CABINET HEATERS AS REQUIRED. COORDINATE WITH MECHANICAL.
9. ALL EQUIPMENT BENEATH NFPA-96 HOOD TO DE-ENERGIZE UPON ACTIVATION OF ASSOCIATED FIRE SUPPRESSION SYSTEM.
10. WHERE 240V-1PH EQUIPMENT IS SHOWN AS FED WITH 208V-1PH OR WHERE 208V-1PH EQUIPMENT IS SHOWN AS FED WITH 240V-1PH, PROVIDE A DEDICATED SINGLE PHASE STEP-UP/DOWN TRANSFORMER FOR THAT EQUIPMENT. INSTALL TRANSFORMER(S) NEXT TO EQUIPMENT DISCONNECTS AND FEED DISCONNECT THROUGH THE TRANSFORMER. CONFIRM EXACT REQUIREMENTS WITH EQUIPMENT AND MANUFACTURER'S LITERATURE ON SITE.

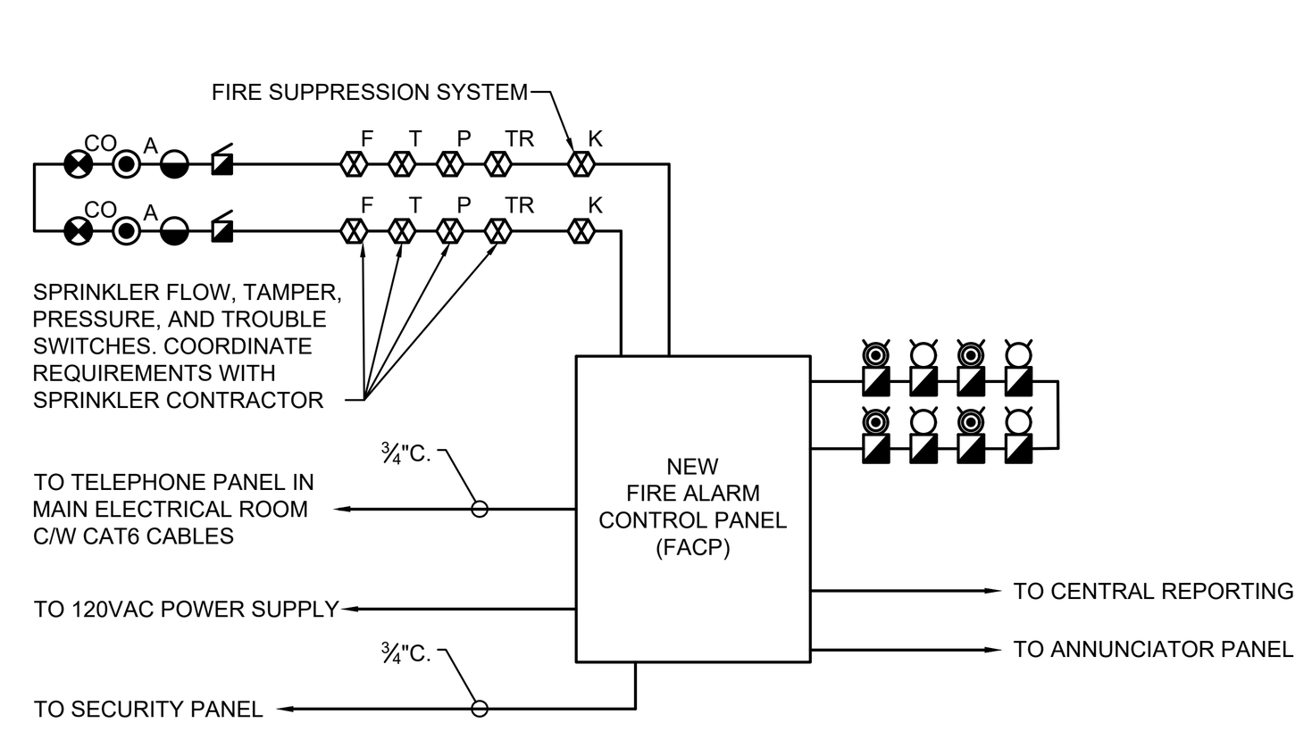
PANEL 'R1M'
200A-120/208V-3PH-4W PANEL
SURFACE MOUNTED IN WEST STAFF CORRIDOR

DESCRIPTION	CIRCUIT BREAKER		A	B	C		CIRCUIT BREAKER	DESCRIPTION
AM-C1 (LIGHTS, FANS, ANTI-CONDENSATE)	15	1	φ			2	15	AM-C27 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C2 (LIGHTS, FANS, ANTI-CONDENSATE)	15	3		φ		4	15	AM-C28 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C3 (LIGHTS, FANS, ANTI-CONDENSATE)	15	5			φ	6	15	AM-C29 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C4 (LIGHTS, FANS, ANTI-CONDENSATE)	15	7	φ			8	15	AM-C30 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C5 (LIGHTS, FANS, ANTI-CONDENSATE)	15	9		φ		10	15	AM-C31 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C6 (LIGHTS, FANS, ANTI-CONDENSATE)	15	11			φ	12	15	AM-C32 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C7 (LIGHTS, FANS, ANTI-CONDENSATE)	15	13	φ			14	15	AM-C33 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C8 (LIGHTS, FANS, ANTI-CONDENSATE)	15	15		φ		16	15	AM-C34 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C9 (LIGHTS, FANS, ANTI-CONDENSATE)	15	17			φ	18	15	AM-C35 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C10 (LIGHTS, FANS, ANTI-CONDENSATE)	15	19	φ			20	15	AM-C36 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C11 (LIGHTS, FANS, ANTI-CONDENSATE)	15	21		φ		22	15	AM-E8 (EVAPORATOR PANEL I)
AM-C12 (LIGHTS, FANS, ANTI-CONDENSATE)	15	23			φ	24	-	SPACE
SPACE	-	25	φ			26	15	AM-C37 (LIGHTS, FANS, ANTI-CONDENSATE)
SPACE	-	27		φ		28	15	AM-C38 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C13 (LIGHTS, FANS, ANTI-CONDENSATE)	15	29			φ	30	15	AM-C39 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C14 (LIGHTS, FANS, ANTI-CONDENSATE)	15	31	φ			32	15	AM-C40 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-E2 (EVAPORATOR PANEL E)	15	33		φ		34	15	AM-C41 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C15 (LIGHTS, FANS, ANTI-CONDENSATE)	15	35			φ	36	15	AM-C42 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C16 (LIGHTS, FANS, ANTI-CONDENSATE)	15	37	φ			38	15	AM-C43 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C17 (LIGHTS, FANS, ANTI-CONDENSATE)	15	39		φ		40	15	AM-C44 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C18 (LIGHTS, FANS, ANTI-CONDENSATE)	15	41			φ	42	15	AM-C45 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C19 (LIGHTS, FANS, ANTI-CONDENSATE)	15	43	φ			44	15	AM-C46 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C20 (LIGHTS, FANS, ANTI-CONDENSATE)	15	45		φ		46	15	AM-C47 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C21 (LIGHTS, FANS, ANTI-CONDENSATE)	15	47			φ	48	15	AM-C48 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C22 (LIGHTS, FANS, ANTI-CONDENSATE)	15	49	φ			50	15	AM-C49 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-C23 (LIGHTS, FANS, ANTI-CONDENSATE)	15	51		φ		52	15	AM-C50 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-E3 (EVAPORATOR PANEL F)	15	53			φ	54	15	AM-C51 (LIGHTS, FANS, ANTI-CONDENSATE)
AM-E4 (EVAPORATOR PANEL G)	25	55	φ			56	15	AM-C52 (LIGHTS, FANS, ANTI-CONDENSATE)
		57		φ		58	15	AM-E10 (EVAPORATOR PANEL J)
AM-C53 (LIGHTS, FANS)	15	59			φ	60	15	AM-E11 (EVAPORATOR PANEL K)
AM-C54 (LIGHTS, FANS)	15	61	φ			62	15	AM-E12 (EVAPORATOR PANEL L)
AM-E6 (EVAPORATOR PANEL H)	15	63		φ		64	15	AM-E13 (EVAPORATOR PANEL M)
SPACE	-	65			φ	66	15	AM-E14 (EVAPORATOR PANEL N)
AM-C24 (LIGHTS, FANS, ANTI-CONDENSATE)	15	67	φ			68	15	AM-E1 (EVAPORATOR PANEL D)
AM-C25 (LIGHTS, FANS, ANTI-CONDENSATE)	15	69		φ		70		
AM-C26 (LIGHTS, FANS, ANTI-CONDENSATE)	15	71			φ	72	15	SPARE
SPACE	-	73	φ			74		
SPACE	-	75		φ		76	15	SPARE
SPACE	-	77			φ	78		
SPACE	-	79	φ			80	15	AM-C17 (DEFROST HEATERS)
SPACE	-	81		φ		82		
SPACE	-	83			φ	84	15	AM-C18 (DEFROST HEATERS)
SPACE	-	85	φ			86		
SPACE	-	87		φ		88	15	AM-C19 (DEFROST HEATERS)
SPACE	-	89			φ	90		
SPACE	-	91	φ			92	15	AM-C20 (DEFROST HEATERS)
SPACE	-	93		φ		94		
SPACE	-	95			φ	96	15	AM-C21 (DEFROST HEATERS)
SPACE	-	97	φ			98		
SPACE	-	99		φ		100	15	AM-C22 (DEFROST HEATERS)
SPACE	-	101			φ	102		
SPACE	-	103	φ			104	15	AM-C23 (DEFROST HEATERS)
SPACE	-	105		φ		106		
SPACE	-	107			φ	108	-	SPACE
SPACE	-	109	φ			110	-	SPACE
SPACE	-	111		φ		112	-	SPACE
SPACE	-	113			φ	114	-	SPACE
SPACE	-	115	φ			116	-	SPACE
SPACE	-	117		φ		118	-	SPACE
SPACE	-	119			φ	120	-	SPACE

ELECTRIC HEAT SCHEDULE

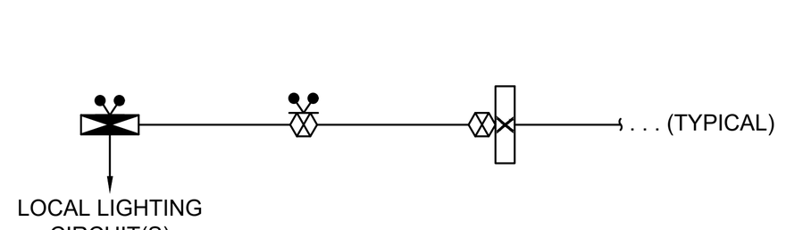
TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	REMARKS
EBB-1		BASE BOARD HEATER	OUELLET OFM SERIES	-
EFF-1		FORCE FLOW HEATER	OUELLET OAC SERIES	-

NOTES:
1. C/W BUILT-IN THERMOSTAT, UNLESS OTHERWISE NOTED. WIRE TO REMOTE THERMOSTAT AS INDICATED ON DRAWINGS.
2. REFER TO PANEL SCHEDULE FOR SOURCE VOLTAGE.
3. NOMINAL HEAT AS INDICATED ON DRAWING AT VOLTAGE OF SOURCE. UNITS ARE IN KILOWATTS, UNLESS OTHERWISE INDICATED.
4. SUBMIT SHOP DRAWINGS FOR ALL HEATERS. REFER TO ARCHITECTURAL FOR FINISHES AND INDICATE ON SHOP DRAWINGS.
5. PROVIDE ALL ASSOCIATED MOUNTING ACCESSORIES.
6. PROVIDE RELAY(S) AND WIRING FOR INTERLOCK BETWEEN ELECTRIC HEATER THERMOSTAT(S) AND AIR CONDITIONING EQUIPMENT THERMOSTAT(S). INTERLOCK EQUIPMENT TO PREVENT HEATERS FROM OPERATING CONCURRENTLY WITH AIR CONDITIONING IN ANY GIVEN HVAC ZONE. REFER TO MECHANICAL FOR CONTROL REQUIREMENTS.



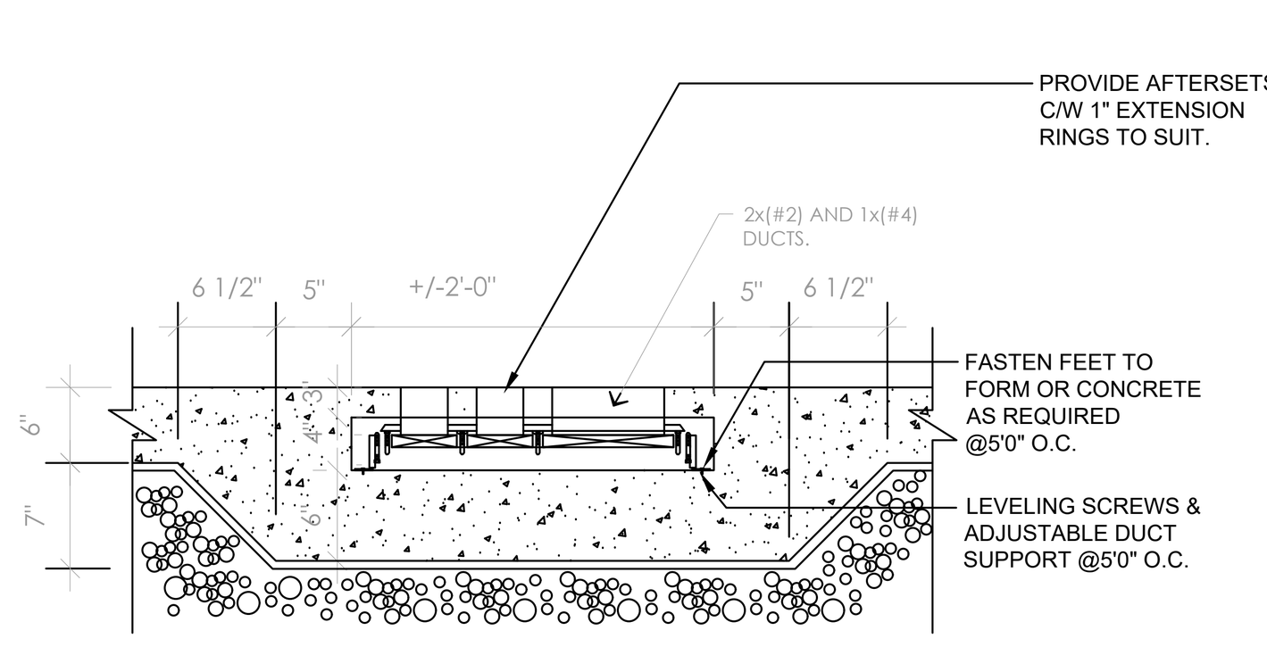
FIRE ALARM RISER NOTES:
1. FIRE ALARM RISER DIAGRAM SHOWN FOR REFERENCE ONLY.
2. REFER TO ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATION OF DEVICES.
3. PROVIDE ISOLATION MODULES AS REQUIRED. CONFIRM LOCATIONS WITH FIRE ALARM MANUFACTURER.
4. INSTALLATION TO MEET CAN/ULC S524.
5. FIRE ALARM MANUFACTURER TO PROVIDE SPECIFIC RISER IN APPROVAL PACKAGE.
6. CONFIRM REQUIREMENT FOR POWER SUPPLIED AND/OR ADDITIONAL CLASS 'B' CIRCUITS TO ACCOMMODATE THE CURRENT DRAW DUE TO REQUIRED CDL RATINGS ON AUDIBLE/VISUAL NOTIFICATION DEVICES WITH FIRE ALARM MANUFACTURER.
7. FIRE ALARM WIRING FOR ADDRESSABLE LOOP TO BE CLASS 'A'.
8. PROVIDE A FIRE ALARM VERIFICATION INSPECTION REPORT UPON COMPLETION OF EACH PHASE, AND FOR ALL FIRE ALARM DEVICES OR CIRCUITS ADDED OR MODIFIED THEREAFTER.
9. ALLOW FOR THREE(3) ADDITIONAL COMBINATION HORN STROBES AS POSSIBLY REQUESTED BY THE BUILDING INSPECTOR.
10. PROVIDE MINIMUM 60 MINUTE BACK-UP CAPACITY UNDER FULL LOAD.

FIRE ALARM RISER DIAGRAM
SCALE: NTS



EMERGENCY LIGHTING AND SIGNAGE RISER NOTES:
1. INTERLOCK WITH NORMAL LIGHTING CIRCUITS TO ACTIVATE EMERGENCY LIGHTING AND SIGNAGE UPON LOSS OF NORMAL LIGHTING IN THE LOCAL AREA. PROVIDE ZONE SENSING RELAYS AS REQUIRED.
2. ELECTRICAL CONTRACTOR TO WIRE AND CONNECT DC TO ALL EMERGENCY LIGHTING AND SIGNAGE COMPONENTS.
3. PROVIDE MINIMUM 60 MINUTE BATTERY BACK-UP CAPACITY UNDER FULL LOAD.
4. ELECTRICAL CONTRACTOR TO SIZE CONDUCTORS TO MEET MANUFACTURER'S RECOMMENDATIONS. MAXIMUM VOLTAGE DROP OF 5%.
5. BEFORE REQUESTING THE ELECTRICAL CONSULTANT'S FIELD REVIEW FOR SUBSTANTIAL PERFORMANCE OR OCCUPANCY CERTIFICATION, SUBMIT DATED AND SIGNED DOCUMENTATION, ON COMPANY LETTERHEAD, TO THE ELECTRICAL CONSULTANT INDICATING THAT THE EMERGENCY LIGHTING AND SIGNAGE SYSTEM HAS BEEN FULLY INSTALLED AND TESTED ACCORDING TO THE CONSTRUCTION DOCUMENTS AND OBSERVED TO OPERATE FULLY ON BACK UP POWER FOR THE REQUIRED BACK UP PERIOD.
6. ALLOW FOR THREE(3) ADDITIONAL EGRESS SIGNS AS POSSIBLY REQUESTED BY THE FIRE MARSHALL.

EMERGENCY LIGHTING AND SIGNAGE RISER
SCALE: NTS



2 / E0.3 ELECTRICAL - WALKERDUCT DETAIL
SCALE: N.T.S.

NOTE: REFER TO STRUCTURAL. COORDINATE EXACT REQUIREMENTS WITH GENERAL CONTRACTOR.

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2	PCN-24	2025.11.20	KC
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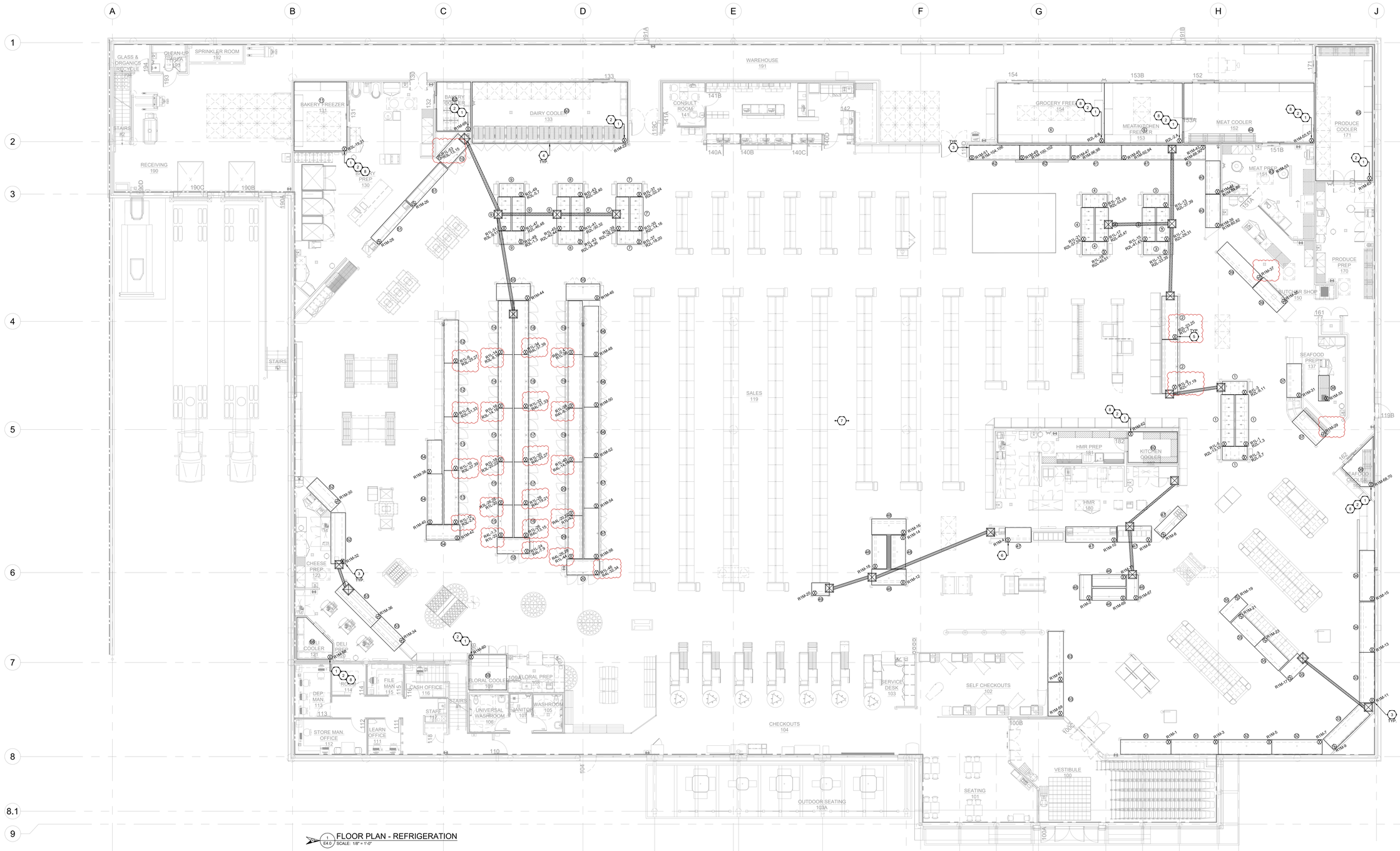
PROJECT TITLE:

AURORA GROCERY STORE
2000 ANAQUOD ROAD
REGINA, SASKATCHEWAN

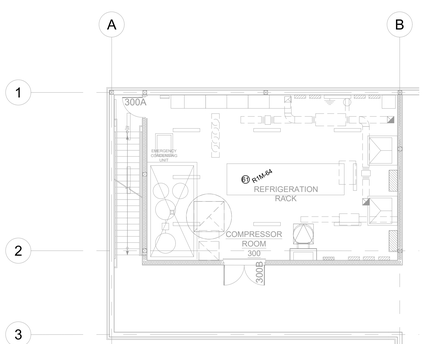
SHEET TITLE:
SCHEDULES

COMMISSION NUMBER:
2445

SHEET NUMBER:
E0.3



1 E4.0 FLOOR PLAN - REFRIGERATION
SCALE: 1/8" = 1'-0"



2 E4.0 COMPRESSOR ROOM - POWER
SCALE: 1/8" = 1'-0"

DRAWING NOTES - REFRIGERATION

1. PROVIDE CONNECTION TO REFRIGERATION COOLER/FREEZER BOX COILS. RUN CONDUIT ALONG CEILING AND DOWN TO JUNCTION BOX AT THE ROOF. COORDINATE WITH REFRIGERATION CONTRACTOR FOR FINAL JUNCTION BOX LOCATION. REFER TO REFRIGERATION SCHEDULE FOR CIRCUITING REQUIREMENTS. SIZE CONDUIT TO SUIT.
2. REFRIGERATION CONTRACTOR TO FIELD INSTALL TEMPERATURE SENSORS, PRESSURE TRANSDUCERS, DOOR SWITCHES INCLUDING ALL OTHER LOOSE COMPONENTS FOR THE WALK-IN BOX/WALK-IN BOX COILS AS PER SAFEWAY' SPECIFICATIONS.
3. PROVIDE SURFACE MOUNTED JUNCTION BOX FOR REFRIGERATION SYSTEMS (AT 6'-0" A.F.F. TO UNDERSIDE OF THE BOX) AT THE WALL NEAREST TO THE SYSTEM ELECTRICAL FEED POINT. EXTEND POWER/CONTROL FEED DOWNWARD TO EACH CASE. CASE TO CASE CONTROLLER CONNECTIONS AND ALL OTHER FINAL TERMINATIONS SHALL ALSO BE BY THIS CONTRACTOR.
4. PROVIDE INDIVIDUAL STUB-UPS FOR REACH-IN COOLERS AND CASES (SYSTEM WISE) IN LINE WITH THE COOLERS' ELECTRICAL WIRE WAY AND EXACTLY BENEATH THE TERMINAL BLOCK LOCATION. SIZE AND QUANTITY OF CONDUIT TO SUIT COOLER'S POWER AND CONTROL REQUIREMENTS.
5. POWER/CONTROL FEED TO REFRIGERATION EQUIPMENT (SYSTEM WISE) AT OPEN AREAS TO FOLLOW DROP DOWN ROUTES OF REFRIGERANT PIPING THROUGH BOXED COLUMNS OR ALONG THE REFRIGERATION TRENCH WHICHEVER IS APPLICABLE. COORDINATE WITH REFRIGERATION CONTRACTOR FOR FINAL REFRIGERANT PIPE ROUTING.
6. PROVIDE STUB-UP FOR POWER/CONTROL FEED TO REFRIGERATION EQUIPMENT (SYSTEM WISE) AT FOOD PREPARATION AREA. ELECTRICAL CONDUITS TO BE ROUTED ALONG WITH THE REFRIGERANT PIPING IN THE REFRIGERATION TRENCH. COORDINATE WITH REFRIGERATION CONTRACTOR FOR FINAL REFRIGERANT PIPE ROUTING.
7. FINAL REFRIGERATION SYSTEM NUMBER AND ARRANGEMENT TO BE DECIDED BY THE REFRIGERATION CONTRACTOR WITH ALL CHANGES FROM THE ORIGINAL DESIGN DRAWINGS TO BE REFLECTED ON THE RECORD DRAWINGS.
8. PROVIDE 120V POWER FOR FREEZER DRAIN AND CONDENSATE LINE HEAT TRACE. WIRE AND CONNECT HEAT TRACE AS REQUIRED. HEAT TRACE CIRCUIT TO BE G.F.C.I. PROTECTED. CONFIRM EXACT REQUIREMENTS ON SITE. COORDINATE WITH REFRIGERATION CONTRACTOR.

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL WORK REQUIRED FOR THE REFRIGERATION SYSTEM IS COMPLETED AS PER SCHEDULE PRIOR TO STORE OPENING.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE REFRIGERATION CONTRACTOR, EQUIPMENT SUPPLIER AND THE OWNER'S REPRESENTATIVE IN ALL ASPECTS OF THE REFRIGERATION WORKS. PROVIDE ALL REQUIRED POWER AND CONTROL WIRING INCLUDING FINAL POWER CONNECTION TO ALL EQUIPMENT, CASES, CASE CONTROLLER ETC.
3. ELECTRICAL JUNCTION BOXES FOR WALK-IN COOLERS AND FREEZERS SHALL BE LOCATED ON TOP OF THE COOLER/FREEZERS. COORDINATE FINAL LOCATION OF JUNCTION BOXES WITH COOLER/FREEZER SUPPLIER AND WITH THE REFRIGERATION CONTRACTOR.
4. REFER TO REFRIGERATION EQUIPMENT SCHEDULE FOR EQUIPMENT ELECTRICAL DATA.
5. ALL EXPOSED ELECTRICAL CONDUITS IN OPEN CEILING AREAS ARE TO BE MOUNTED AS CLOSE AS POSSIBLE TO THE UNDERSIDE OF THE ROOF DECK.
6. SEAL CONDUITS WHERE PASSING THROUGH FLOORS, EXTERIOR WALLS, CEILING, COOLERS, FREEZERS AND MEAT ROOM.
7. ALL REFRIGERATION CONDUITS AND WIRING INSTALLATIONS SHALL COMPLY WITH CANADIAN ELECTRICAL CODE, ALL OTHER APPLICABLE CODES, STANDARDS AND REGULATIONS.
8. ELECTRICAL CONTRACTOR TO PROVIDE PROPER INDENTIFICATIONS TO EACH END OF WIRES, CABLES AND CONDUITS TO SUIT EACH CORRESPONDING SYSTEM.
9. THE ELECTRICAL CONTRACTOR TO DETERMINE THE APPROPRIATE ROUTING AND METHOD OF ELECTRICAL DISTRIBUTION TO THE EQUIPMENT BY VERIFYING THE EXACT SUITABLE LOCATION OF ALL STUB-UPS, JUNCTION BOXES OR DROP DOWN CORDS (WHICH IS APPLICABLE) IN COORDINATION WITH THE OWNER'S REPRESENTATIVE AND/OR REFRIGERATION CONTRACTOR PRIOR TO ROUGH-IN.
10. EACH REFRIGERATION EQUIPMENT SHALL BE PIPED AND WIRED TO THEIR RESPECTIVE CONTROL AND POWER PANEL. COORDINATE WITH REFRIGERATION CONTRACTOR FOR OTHER CIRCUIT AND WIRING REQUIREMENTS.
11. NO ELECTRICAL INSTALLATIONS (CONDUIT, WIRING, ETC.) ARE ALLOWED ON COOLER/FREEZER PANEL UNLESS OTHERWISE APPROVED BY THE ENGINEER OR SOBEYS MANAGER.
12. REFRIGERATION TRADE TO COORDINATE WITH MECHANICAL TO MAXIMIZE THE EFFICIENCY OF REFRIGERATION PIPE RUNS MINIMIZING UNDERSLAB PLACEMENT WHERE POSSIBLE.
13. ALL ANTI-SWEAT CIRCUITS ARE TO BE C/W FIXED-TRIP 30mA GFCI PROTECTION.

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