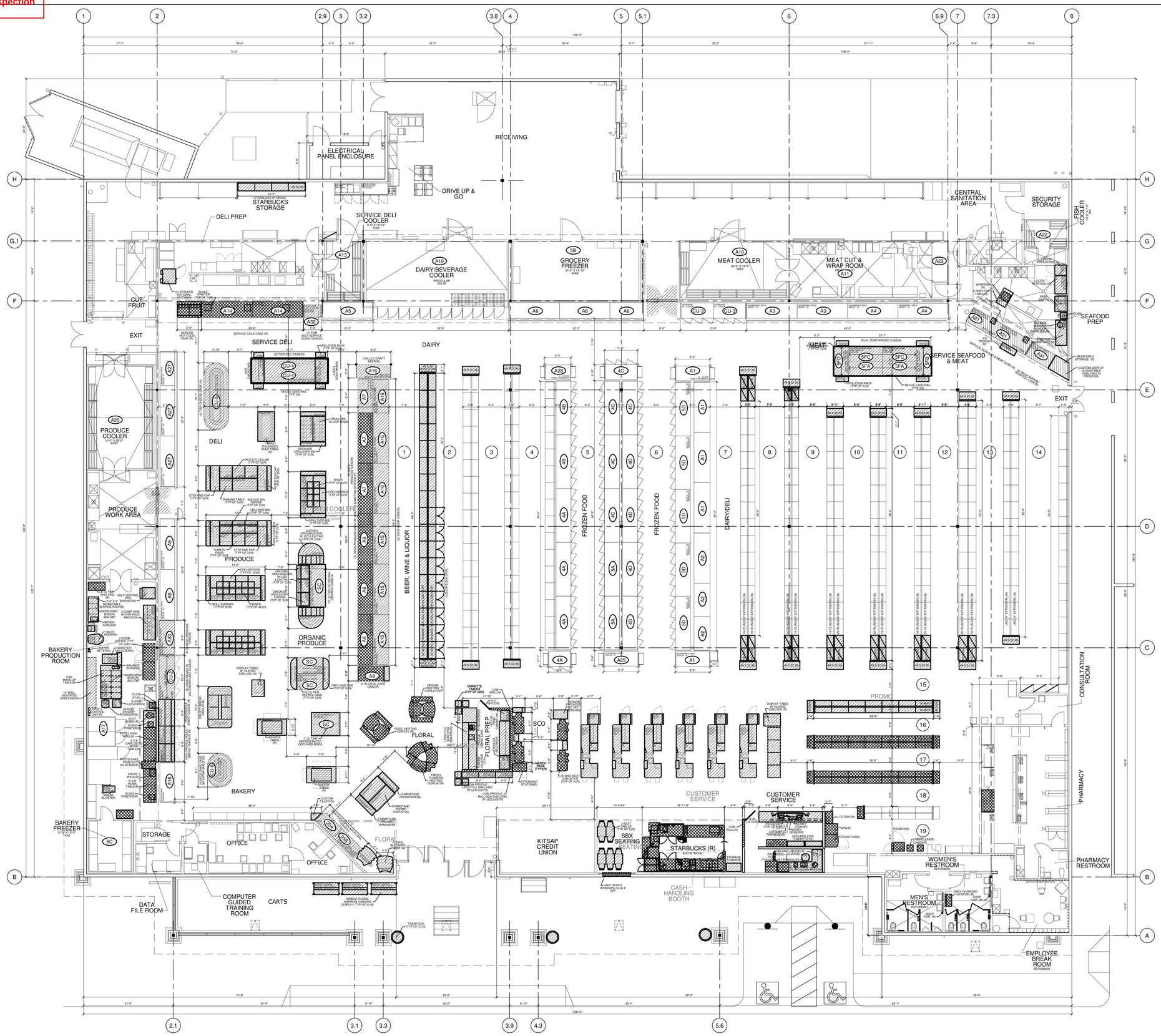
Subject to field inspection

Reviewed for Code Compliance
Kitsap County Building Department
Kitsap County Fire Marshal



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Project 19000201

NO.	REVISIONS	DATE

SAFEWAY STORE #186
KINGSTON, WA

SCALE: 1/8" = 1'
DATE: 07/14/20
DRAWN BY: SAM
CHECKED BY: ##

SHEET
R1

Permit Number: 20-05195

SECONDARY FLUID - 35% PROPOLYENE GLYCOL

SYS #	SYS REFRENCE NO.	FIXTURE OR COOLER: SYSTEM DESCRIPTION	N = NEW, R= RELOCATE, S = SURPLUS	LINE-UP FEET	CASE QUANTITY 5Dr 12' (COOLER DIM. L)	4Dr 8' (W)	3DR 6' (H)	2Dr 4'	CASE MANUF. - HUSSMANN / COIL MANUF. - VARIES: QTY.	MODEL NUMBER	BTU/FT. OR DOOR REQUIRED	GPM REQUIRED: OTHER	12FT	8FT	6FT	PRESSURE DROP: OTHER	12FT	8FT	6FT	REFRIGERATION DESIGN: DISCH TEMP DEG. F	DEF. TYPE	GPM REQUIRED PER CKT	TOTAL BTUH
A1	DELI-4-6 BEV-3	DELI CASES	E	44	3	1			4	D5XLEP	1290		3.4	2.3			7.4	7.1		+32	OT	12.5	56,760
A2	DELI-1-3 BEV-4	DELI CASES	E	36	1	3			4	D5XLEP	1290		3.4	2.3			7.4	7.1		+32	OT	10.3	46,440
A3	M-1,2	MD MEAT	E	24	2				2	M5XEP	1392		3.4				8.1			+30	OT	6.8	33,408
A4	M-3,4	MD MEAT	E	24	2				2	M5XEP	1392		3.4				8.1			+30	OT	6.8	33,408
A5	D-1	DAIRY CASE	E	12	1				1	D5XLEP	1290		3.4				7.4			+32	OT	3.4	15,480
A6	D-2-4	DAIRY CASE	E	32	2	1			3	D5XLEP	1290		3.4	2.3			7.4	7.1		+32	OT	9.1	41,280
A7	P-6-8	BULK PRODUCE CASE	E/R	24	2				2	D5XLEP	1290		3.4				7.4		4.4	+32	OT	6.8	30,960
		BULK PRODUCE CASE	N	8		1			1	D5XLEP	1263			2.1				3.1		+32	OT	2.1	10,104
A8	P-10-13	BULK PRODUCE CASE	E/R	42	3		1		4	D5XLEP	1290		3.4		1.6		7.4		4.4	+32	OT	11.8	54,180
A9	P-1,2	5-DECK PRODUCE	E	24	2				2	D5XLEP	1290		3.4				7.4			+32	OT	6.8	30,960
A10	MDCL	MEAT DELI COOLER	E		364 FT2				1	WKEG-1225-20		5.9				1.2				+30	EL	5.9	22,800
A11	MCWR	MEAT CUT & WRAPPING ROOM	E		506 FT2				2	WKAG-0700-10		1.5				1.1				+48	OT	3.0	31,600
A12		FUTURE # 2	E																			5.6	
A13	SDCL	SERVICE DELI COOLER	E		118 FT2				1	ADTG-0900-10		2.0				1.3				+35	OT	2.0	31,600
A14	SD-1,2	SERVICE DELI CASES O/U W/STORAGE	E/R	24	2				2	R3D	1370		5.9				16.8			+24	OT	11.7	32,880
A15		BEER CASE	N	36	3				3	ID6SU	1545		2.8				2.8			+32	OT	8.4	55,620
A16		BEER CASE	N	32	2	1			3	ID6SU	1545		2.8	1.8			2.8	2.6		+32	OT	7.4	49,440
		CHILLED CRAFT BEER CASE	N	8		1			1	ID6NL	1335			1.6				2.2		+33	OT	1.6	10,680
A17	RET	BAKERY RETARDER	E		2 DOORS				1	WKAG-0700-10		9.0				1.4				+35	OT	2.0	9,000
A18	CC-1	SERV/SELF-SERV OU BAKERY CASE	E		1				1	CDR4106		3.0				20.1				+41	OT	3.0	11,900
A19	DCL	DAIRY COOLER	E		557 FT2				2	ADTG-1475-10		4.0				1.2				+35	OT	8.0	37,600
A20	PCL	PRODUCE COOLER	E		400 FT2				2	ADTG-725-10		4.5				2.5				+35	OT	9.0	24,100
A21	SM-1 SF-1	SERVICE FISH & MEAT CASES	N	16		2			2	SMGT	420			1.8				5.8		+24	OT	3.6	6,720
A22	FCL	FISH COOLER	E		61 FT2				1	WKEG-0700-10		6.0				4.7				+28	EL	6.0	6,900
A23	BB	BLOOM BOX	E		31 FT2				1	WKEG-0700-10		1.5				1.1				+30	EL	1.5	6,900
A24		ABANDON	N																				
A25A	FLC-1	2DR REACH IN	N	6			1		1	BORGEN P7669					1.6				1.1	+33	OT	1.6	8,550
A25B	FLC-2	OPEN FLORAL	N	7		1			1					2.9				4.2		+33	OT	2.9	2,875
A26		ABANDON	N																				
A27	DELI-7-9	DELI CASE	E	32	2	1			3	D5XLEP	1290		3.4	2.3			7.4	7.1		+32	OT	9.1	41,280
A28	D-5	DAIRY CASE	E	6			1		1	D5XLEP	1290				1.7				4.4	+32	OT	1.7	7,740
A29	BEV-6	DELI CASE	E	8		1			1	D5XLEP	1290			2.3				7.1		+32	OT	2.3	10,320
A30		FUTURE # 1	E																			20.0	
A31		SMOKED SEAFOOD	N	8		1			1	ID5SL	1190			1.2				1.6		+30	OT	1.2	9,520
A32		SELF-SERVICE SUSHI	N	4				1	1	IM-04-I4-R	1160	1.2				1.4				+26	OT	1.2	4,640
A33		PRODUCE CASE	N	8		1			1	ID5SL	1090			1.2				1.6		+31	OT	1.2	8,720
		BALANCE VALVE LOOP	N/E						5													25.0	
		PUMP HEAT																					10,800
		TOTAL GPM + FUTURE																				221.3	
		SECONDARY CHILLER LOAD																					795,165

SYS #	CASE ELECTRICAL 115 VOLT / 1ph — FANS & CONST. ON HEATERS: AMP/ 12' CS 5 DR	AMP/ 8' CS 4 DR	AMP/ 6' CS 3DR	AMP/ 4' CS 2 DR	TOTAL AMPS	LIGHTS: AMP/ 12' CS 5 DR	AMP/ 8' CS 4 DR	AMP/ 6' CS 3DR	AMP/ 4' CS 2 DR	TOTAL AMPS	ANTI-SWEATS: AMP/ 12' CS 5 DR	AMP/ 8' CS 4 DR	AMP/ 6' CS 3 DR	AMP/ 4' CS 2 DR	TOTAL AMPS	SUPP HTRS	CONTROL: VALVE PACKAGE @ SYSTEM PROVIDED & INSTALLED (BY RC)	BALANCE VALVE SUPPLIED BY (RC OR CASE MFG)	ELECT NO.	COOLER COIL DATA / ELECTRICAL DATA: VOLTS	FANS: TOTAL NO. OF COILS	AMPS PER COIL	TOTAL AMPS	DEFROST AMPS: VOLTS	AMPS PER COIL	TOTAL AMPS	CNTL WIRE DEF. TERM.	SCHEDULE REMARKS — REFRIG CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO REMODEL. ELEC CONTR. TO VERIFY ALL EXISTING ELECTRICAL CIRCUITS & MODIFY AS REQUIRED. VERIFY ALL SURPLUS CASES WITH SAFEWAY PROJECT MANAGER	SYS. NO.
A1	0.9	0.6			3.3	1.6	1.1			5.9									A1										A1
A2	0.9	0.6			2.7	1.6	1.1			4.9									A2										A2
A3	1.8				3.6	4.7				9.4									A3										A3
A4	1.8				3.6	4.7				9.4									A4										A4
A5	0.9				0.9	1.6				1.6									A5										A5
A6	0.9	0.6			2.4	1.6	1.1			4.3									A6										A6
A7	0.9				1.8	1.6				3.2							22EH5C2-R1021E (N)	EXISTING	A7									ABANDON & REMOVE (E) LINES & RUN (N) LINES TO NEW LOCATION	A7
		0.6			0.6		0.55			0.6								CASE MFG											
A8	0.9		0.4		3.1	1.6		1.1		5.9							26EH5C2-R1021E (N)	CASE MFG	A8									ABANDON & REMOVE (E) LINES & RUN (N) LINES TO NEW LOCATION	A8
A9	0.9				1.8	1.6				3.2									A9										A9
A10																			A10	208/1	2	2.0	4.0	208/1	22.6	2 x 22.6			A10
A11																			A11	120	2	1.8	3.6						A11
A12																			A12										A12
A13																			A13	120	1	4.0	4.0						A13
A14	5.5				11.0	2.1				4.2							RE-USE (E)		A14									RELOCATE CASES, LINES & (3) 15 AMP GFI OUTLET PER CASE	A14
A15	1.2				3.6	0.91				2.7							22EH5C2-R1021E (N)	CASE MFG	A15									ABANDON, REMOVE (E) LINES & CAP (E) UG LINES & RUN (N) LINE TO NEW LOCATION	A15
A16	1.2	0.8			3.2	0.91	0.6			2.4							22EH5C2-R1021E (N)	CASE MFG	A16									ABANDON, REMOVE (E) LINES & CAP (E) UG LINES & RUN (N) LINE TO NEW LOCATION	A16
		0.8			0.8		0.6			0.6								CASE MFG											
A17																			A17	120	1	1.8	1.8						A17
A18	2.5				2.5	2.3				2.3									A18										A18
A19																			A19	120	2	5.4	10.8						A19
A20																			A20	120	2	2.7	5.4						A20
A21		0.92			1.8		0.49			1.0							14E23C2-R1021E (N)	CASE MFG	A21									PROVIDE (1) 15 AMP GFI OUTLET PER CASE. RUN (N) LINES	A21
A22																			A22	208/1	1	1.0	1.0	208/1	12.2	12.2			A22
A23																			A23	208/1	1	1.0	1.0	208/1	12.2	12.2			A23
A24																			A24									ABANDON & REMOVE ALL PIPING & CAP	A24
A25A			.30		0.3			1.2		1.2	MCA = 15.0 A						10E23C2-R1021E (N)	CASE MFG	A25A									RUN (N) LINE	A25A
A25B		0.6			0.6		2.4			2.4	MCA = 15.0 A						10E23C2-R1021E (N)	CASE MFG	A25B									RE-USE (E) LINE	A25B
A26																			A26									ABANDON & REMOVE ALL PIPING & CAP	A26
A27	0.9	0.6			2.4	1.6	1.1			4.3									A27										A27
A28			0.4		0.4			1.1		1.1									A28										A28
A29		0.6			0.6		1.1			1.1									A29										A29
A30																			A30										A30
A31		0.5			0.5		1.4			1.4							10E23C2-R1021E (N)	CASE MFG	A31									RUN (N) LINES	A31
A32				0.3	0.3				0.5	0.5							10E23C2-R1021E (N)	CASE MFG	A32									RUN (N) LINES	A32
A33		0.5			0.5		1.4			1.4							10E23C2-R1021E (N)	CASE MFG	A33									RUN (N) LINES	A33
(BALANCE VALVE LOOP)																		RC										ADD WHERE INDICATED	

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--/--/--

NO.	REVISIONS	DATE

SAFEWAY STORE #186
KINGSTON, WA

SCALE: NTS
DATE: 07/14/20
DRAWN BY: SAM
CHECKED BY: ##

SHEET
R2

SAFEWAY STORE #00186 - KINGSTON, WA

DESIGN CONDITIONS

STORE DESIGN CONDITIONS	75 deg & 55% RELATIVE HUMIDITY	
OUTSIDE DESIGN CONDITIONS	DB = 85 F deg	WB = 69 F deg

REFRIGERATION RACK OPERATING DATA

	LOW TEMP	MED TEMP	ELECTRICAL
COND TEMP:	100 F	105 F	STORE VOLTAGE : 208 / 3
LIQUID TEMP:	100 F	105 F	CONTROL VOLTAGE :
CONDENSER	AIR	AIR	

REMOTE AIR COOLED CONDENSER

	RACK	MODEL	TD	RPM	HP	CKTS	FLA	VOLT	DIMENSION	# FANS		WEIGHT
COND #1	M-2	VCB-128-8	13.2		2.0	18	26.4	208/3		1 x 4		4,500
	M-4		9.5			18						
	M-5		8.3			20						
COND #2	M-1	VCB-108-8	12.3		2.0	19	26.4	208/3		1 x 4		4,500
	M-3		12.2			23						
COND #3	M-6	BNL-D04-A028	11.3	830	1.5	42	6.0	208/3		2 x 2		1,540

ABBREVIATIONS

REL = RELOCATE, V = VERIFY
N = NEW, CS = CASE
E = EXISTING, S = SURPLUS
MOD = MODIFIED

FIXTURE OR COOLER / REFRIGERATION DESIGN

(N = NEW, R = RELOCATE, E = EXISTING, S = SURPLUS; CASE MANUF. - HUSSMANN; COIL MANUF. - VARIES)

SYS #	SYS REFRENCE NO.	SYSTEM DESCRIPTION	N / R / S	LINE-UP FEET	5Dr 12' L	4Dr 8' W	3DR 6' H	2Dr	QTY.	MODEL NUMBER	BTU/FT. OR DOOR REQUIRED	EVAP TEMP DEG. F	DEF. TYPE	REFRIG TYPE	TOTAL BTUH	EXPANSION VALVE	ELEC NO.
		M-1 @ +15F															
CH-1		SECONDARY CHILLER #1	E									+17	OT	R-448	193,500		CH-1
			E														
	M-1																
												TOTAL LOAD =			193,500	BTUH	
		M-2 @ +15F															
CH-2		SECONDARY CHILLER #2	E									+17	OT	R-448	174,300		CH-2
			E														
	M-2																
												TOTAL LOAD =			174,300	BTUH	
		M-3 @ +15F															
CH-3		SECONDARY CHILLER #3	E									+17	OT	R-448	233,000		CH-3
			E														
	M-3																
												TOTAL LOAD =			233,000	BTUH	
		M-4 @ -15F															
4A	FF-1-4	REACH-IN FROZEN FOOD	E	17	3			1	4	RL	1560	-15	EL	R-448	26,520		4A
4B	FF-5,6	REACH-IN FROZEN FOOD	E	10	2				2	RL	1560	-15	EL	R-448	15,600		4B
4C	FF-6-10	REACH-IN FROZEN FOOD	E	23	4		1		5	RL	1560	-17	EL	R-448	35,880		4C
4D	FF-11-14	REACH-IN FROZEN FOOD	E	20	4				4	RL	1560	-17	EL	R-448	31,200		4D
4E		SPARE	E											R-448			4E
	M-4																
												TOTAL LOAD =			109,200	BTUH	
		M-5 @ -25F															
5A	FJ-1,2	REACH-IN FROZEN JUICE	E	10	2				2	RL	1650	-25	EL	R-448	16,500		5A
5B	GFZ	GROCERY FREEZER	E						1	MLT4-330		-20	EL	R-448	27,100		5B
5C	BKFZ	BAKERY FREEZER	E						1	ECP4-150		-10	EL	R-448	11,400		5C
5D	IC-1-5	REACH-IN ICE CREAM	E	25	5				5	RL	1375	-19	EL	R-448	34,375		5D
5E		RELOCATE TO CU-3	N										EL	R-448			5E
5FA		1/2 DUAL TEMP MEAT ISLAND	N	16		2			2	FW	255	-20			4,080		5FA
5FB		DUAL TEMP MEAT END	N	6			1		1	FEW		-20	EL	R-448	2,120		5FB
5FC		1/2 DUAL TEMP MEAT ISLAND	N	16		2			2	FW	255	-20			4,080		5FC
5FD		DUAL TEMP MEAT END	N	6			1		1	FEW		-20			2,120		5FD
		COMMON 5F-ABC & D															
												TOTAL LOAD =			101,775	BTUH	
		M-6 @ +15F															
CH-6		SECONDARY CHILLER #4	E									+17	OT	R-404	201,200		CH-1
6A		MELON ROOM	E	1						GL46A-180-EB		+25	OT	R-404	27,000		6A
	M-6																
												TOTAL LOAD =			228,200	BTUH	
		CU-1 (E)															
CU-1		ABANDON	N										EL	R-404A			CH-1
		CU-2 @ -20F (N)															
CU-2		REACH-IN BAKERY	N	4		1			1	RL-II	920	-17	EL	R-448	3,680		CU-2
		CU-3 @ -14F (N)															
CU-3	FM1,2	REACH-IN FROZEN MEAT	E/M	6			2		2	RL	1325	-11	EL	R-448	7,950		CU-3
		CU-4 @ +23 (N)															
CU-4		DELI ISLAND	N	24	2				2	IM-05-C12-R	1150	+25	OT	R-448	27,600		CU-4
		CU-5 @ +18F (N)															
CU-5		CHEESE ISLAND	N	16	1				1	TY4-6 x 16I	1950	+20	OT	R-448	31,200		CU-5
		CU-6 @ +20F (N)															
CU-6		BAKERY ISLAND	N	8		1			1	TY4-6 x 8I	1980	+22	OT	R-448	15,840		CU-6

115 VOLT / 1ph ELECTRICAL, CONTROL AND DEFROST

ELEC NO.	FANS & CONST. ON HEATERS AMP/12' CS 5 DR	AMP/8' CS 4 DR	AMP/6' CS 3DR	AMP/4' CS 2 DR	TOTAL AMPS	LIGHTS AMP/12' CS 5 DR	AMP/8' CS 4 DR	AMP/6' CS 3DR	AMP/4' CS 2 DR	TOTAL AMPS	ANTI-SWEATS AMP/12' CS 5 DR	AMP/8' CS 4 DR	AMP/6' CS 3 DR	AMP/4' CS 2 DR	TOTAL AMPS	SUPP HTRS	CONTROL VALVE @ RACK	KOOL GAS SOLENOID	SS = SUCTION LIQ = LIQUID SOL. (FIELD)	BOARD SENSOR	DEFROST AMP/12' CS 5 DR	AMP/8' CS 4 DR	AMP/7' CS 3 DR	AMP/6' CS 2 DR	208V 1PH TOTAL AMPS	ELECT NO.
CH-1																										CH-1
CH-2																										CH-2
CH-3																										CH-3
4A	3.5			1.4	11.9	3.2			1.6	3.5	10			4.1	34.1		SS				22.8			8.2		4A
4B	3.5				7.0	3.2				6.4	10				20.0		SS				22.8					4B
4C	3.5		2.1		16.1	3.2		2.1		14.9	10		6.1		46.1		SS				22.8		13.0			4C
4D	3.5				14.0	3.2				12.8	10				40.0		SPORT-11-11				22.8					4D
4E																										4E
5A	3.5				7.0	3.2				3.5	10				20.0		SS				22.8					5A
5B																	SORIT PI-311									5B
5C																	SORIT PI-211									5C
5D	1.5				7.5	3.0				15.0	5.83				29.2		SPORT-11-11				16.82					5D
5E																	SORIT PI-2									5E
5FA		0.5			0.5												CDST-2 (N)					15.4			30.8	5FA
5FB			0.6		0.6												CDST-2 (N)						6.54		6.5	5FB
5FC		0.5			0.5												CDST-2 (N)					5FA & C DEFROST AT THE SAME TIME				5FC
5FD			0.6		0.6												CDST-2 (N)						6.54		6.5	5FD
CH-1																										CH-6
6A																	SPORT-05-09									6A
CH-1																										CU-1
CU-2		1.2			1.2		0.7			0.7									T-STAT & LIQ - ME6 (N)			13.46			13.5	CU-2
CU-3			5.7		11.4			2.0		4.0									T-STAT & LIQ - ME6 (N)				10.1		20.2	CU-3
CU-4	0.9				1.8	1.8				3.6									T-STAT & LIQ - ME6 (N)							CU-4
CU-5	10.6				10.6	2.0				2.0									T-STAT & LIQ - ME6 (N)							CU-5
CU-6		2.23			2.2		0.6			0.6									T-STAT & LIQ - ME6 (N)							CU-6

COMPRESSOR DATA

ELECT NO.	COMP. MODEL NUMBER	CAPACITY (BTUH)	COND #	NUMBER OF TUBES REQ'D	NUMBER OF TUBES USED	THR (BTUH)	RLA MCC/1.4	(MCA)	(MOCP)	VOLT.	PHASE
CH-1	3DADR10ML (DIGITAL)	72,500				97,688	41.0				
	2DA3-750	59,400				80,049	32.0				
	3DA3-0750	72,500				97,688	41.0				
M-1	TOTAL CAPACITY =	204,400	2	16	19	275,425					
	% SPARE:	5.6%								208	3
CH-2	3DADR10ML (DIGITAL)	72,500				97,688	41.0				
	2DL3-750	52,800				71,094	31.6				
	2DA3-750	59,400				80,049	32.0				
M-2	TOTAL CAPACITY =	184,700	1	17	18	248,831					
	% SPARE:	6.0%								208	3
CH-3	3DADR10ML (DIGITAL)	72,500				97,688	41.0				
	3DB3R12ME	86,800				116,698	43.6				
	3DB3A100E	86,800				116,698	43.6				
M-3	TOTAL CAPACITY =	246,100	2	19	23	331,084					
	% SPARE:	5.6%								208	3
4A											
4B											
4C	3DB3F33KL	41,600				63,614	31.5				
4D	3DA3F28KE	33,800				51,752	26.8				
4E	3DB3F33KE	41,600				63,614	31.5				
M-4	TOTAL CAPACITY:	117,000	1	18	18	178,980					
	% SPARE:	7.1%								208	3
5A											
5B											
5C											
5D											
5E											
5FA											
5FB	3DB3-0750	31,000				49,908	31.5				
5FC	3DF3-0900	36,700				59,192	39.0				
5FD	3DS3-1000	40,200				65,217	42.0				
	TOTAL CAPACITY:	107,900	1	17	20	174,317					
	% SPARE:	6.0%								208	3
CH-6	3DADR10ML (DIGITAL)	74,000				101,304	41.0				
6A	2DA3R89KL	63,500				86,539	32.0				
	3DB3R12ML	88,500				121,607	43.6				
M-6	TOTAL CAPACITY =	226,000	3	32	42	309,450					
	% SPARE:	-1.0%								208	3
CU-1	ZF13K4E										
	% SPARE:										
CU-2	KAJA-011E	4,000									
	% SPARE:	8.7%						20	25	208	3
CU-3	ZF06K4E	8,820									
	% SPARE:	10.9%						29	30	208	3
CU-4	ZB26KCE	31,630									
	% SPARE:	14.6%						20	30	208	3
CU-5	ZB38KCE	40,260									
	% SPARE:	29.0%						30	45	208	3
CU-6	ZB15KCE	18,960									
	% SPARE:	19.7%						15	20	208	3

COOLER COIL DATA / REFRIGERANT LINE SIZING / SCHEDULE REMARKS

SCHEDULE REMARKS: REFRIG CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS PRIOR TO REMODEL. ELEC CONTR. TO VERIFY ALL EXISTING ELECTRICAL CIRCUITS & MODIFY AS REQUIRED. VERIFY ALL SURPLUS CASES WITH SAFEWAY PROJECT MANAGER

ELECT NO.	VOLTS	FANS TOTAL NO. OF COILS	FANS AMPS PER COIL	FANS TOTAL AMPS	DEFROST VOLTS	DEFROST AMPS PER COIL	DEFROST TOTAL AMPS	CNTL WIRE DEF. TERM.	LINE ROUTE	TOTAL LINEAR FEET	LIQ.	SUCT. HORIZ.	SUCT. RISER	DISCH	COND DRN.	HEAT RECL. SUPP./RET.	SCHEDULE REMARKS	SYS. NO.
CH-1										30	1-1/8	2-1/8						CH-1
(M-1 % SPARE)														1-3/8	1-1/8		COND #2	
CH-2										30	1-1/8	2-1/8						CH-2
(M-2 % SPARE)														1-3/8	1-1/8		COND #1	
CH-3										30	1-1/8	2-1/8						CH-3
(M-3 % SPARE)														1-3/8	1-1/8		COND #2	
4A																		4A
4B																		4B
4C																		4C
4D																		4D
4E																		4E
(M-4 % SPARE)														1-3/8	1-1/8		COND #1	
5A																		5A
5B	208/1	1	6.0	6.0	208/1	21.0	21.0											5B
5C	208/1	1	1.8	1.8	208/1	17.9	17.9											5C
5D																		5D
5E																	RELOCATE LINE UP TO CU-3	5E
5FA										20	1/2 (N)	5/8 (N)	5/8 (N)				ADD DEFROST CKTS, CONTROLS & RUN (N) LINES. ADD DUAL TEMP CHANGE OVER SWITCHES AT RACK. SUPPLY / INSTALL LABELS FOR SWITCHES AT RACK. RUN (N) LINES	5FA
5FB										20	1/2 (N)	1/2 (N)	1/2 (N)					5FB
5FC										20	1/2 (N)	5/8 (N)	5/8 (N)					5FC
5FD										20	1/2 (N)	1/2 (N)	1/2 (N)					5FD
(M-5 TOTAL)										175	1/2 (N)	1-3/8 (N)	1-1/8 (N)				RUN (N) LINE	
(M-5 % SPARE)														1-3/8	1-1/8		COND #1	
CH-6										30	1-1/8	2-1/8						CH-6
6A	115	1	1.2	1.2														6A
(M-6 % SPARE)														1-3/8	1-1/8		COND #3	
																	BOHN BZT045L6C	
CU-1																		CU-1
																	KRACK HDSS-0100 LTKBC-A. LOCATE NEAR GRIDS C & #2	
CU-2										100	1/2	7/8	5/8				VERIFY ELEC, SIZE & WEIGHT WITH MFG SUBMITTAL RUN (N) LINE	CU-2
																	KRACK HDSZ-0200 LTKBC-D. LOCATE NEAR GRIDS F & #5.1	
CU-3										100	1/2	1-1/8	7/8				VERIFY ELEC, SIZE & WEIGHT WITH MFG SUBMITTAL. RUN (N) LINE	CU-3
																	PREVIOUS SYSTEM M-5E	
																	KRACK HDSZ-0350 MTKDE-D. LOCATE NEAR GRIDS F & #2	
CU-4										100	1/2	1-3/8	1-1/8				VERIFY ELEC, SIZE & WEIGHT WITH MFG SUBMITTAL. RUN (N) LINE	CU-2
																	KRACK HDSZ-0500 MTKDE-D. LOCATE NEAR GRIDS F & #2	
CU-5										100	1/2	1-3/8	1-1/8				PROVIDE (1) 15 AMP GFI OUTLET PER CASE.	CU-5
																	VERIFY ELEC, SIZE & WEIGHT WITH MFG SUBMITTAL. RUN (N) LINE	
																	KRACK HDSZ-0200 MTKDE-D. LOCATE NEAR GRIDS C & #2	
CU-6										100	1/2	7/8	7/8				PROVIDE (1) 15 AMP GFI OUTLET PER CASE.	CU-6
																	VERIFY ELEC, SIZE & WEIGHT WITH MFG SUBMITTAL. RUN (N) LINE	

REVISIONS:

DATE	DESCRIPTION
05.12.20	Add CU-6 bakery island condensing unit & fixture
06.10.20	Revised condensing units widths.

NEW REFRIGERATION EQUIPMENT PHYSICAL DATA

	CU-2 (N)	CU-3 (N)	CU-4 (N)	CU-5 (N)	CU-6 (N)
MODEL	HDSS-0100 LTKBC-A	HDSZ-0200 LTKBC-D	HDSZ-0350 MTKDE-D	HDSZ-0500 MTKDE-D	HDSZ-0200 MTKDE-D
LENGTH (IN)	48	48	48	48	48
WIDTH (IN)	35	35	35	35	35
HEIGHT (IN)	42	42	42	42	42
208/3/60 MCA / MOP	20 / 25	29 / 30	20 / 30	30 / 45	15 / 20
WEIGHT (LBS)	675	675	675	675	675

NOTES:

1) Insulate new Low, Medium Temp suction & Glycol lines with insulation per jurisdiction requirements
2) The RC shall install all refrigeration & glycol valves, controls, t-stats, defrost controls and ball valves required for this remodel. All mounting of electrical controls and all wiring by EC.
3) This legend reflects the proposed refrigeration types in use at this store. RC to furnish, install, adjust and correct expansion valves for all existing, relocated, surplus, etc cases and coils where required. Provide all necessary components for compressor and refrigerant changes.
4) EC to verify existing unit panel power supply, compressor and defrost electrical components and furnish and install all electrical components (ie circuit breakers, contactors, starters, switches, etc) required for this remodel.
5) All systems on existing racks require defrost controls. If controls do not exist RC to provide and wired by EC.
6) All glycol valve packages supplied / installed by RC.
7) EC to furnish and install all conduit and cables where required. Verify Safeway use of an EMS contractor and coordinate any additional work or clarification with Safeway EMS criteria and Safeway construction Rep.
8) RC to modify existing and provide new refrigerant and glycol lines where required.
9) All trenching, concrete, backfill, floor and tile work for refrigeration lines by GC. GC to furnish, install and finish to match all refrigeration piping lines covers. Openings, sealant, flashing etc through walls and roof for refrigeration piping by GC.
10) Safeway project manager and GC to coordinate phasing of this remodel with RC to assure requried refrigeration is available to operate all fixtures when called for.

DC ENGINEERING
Careful listening. Dynamic solutions.
www.dcengineering.net
208.288.2181
Project:18XXXX01

DATE	REVISIONS	NO.

--/--/--

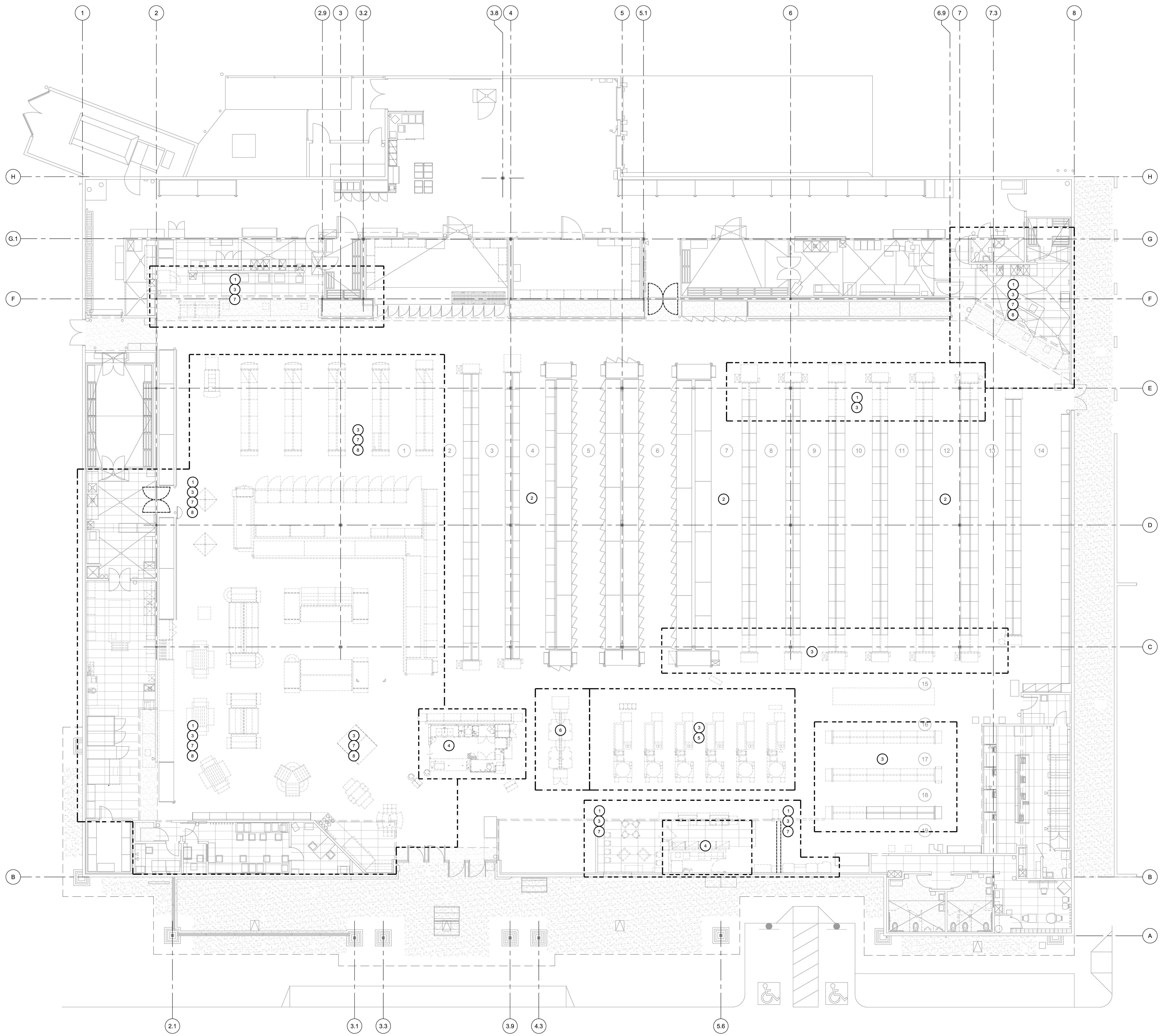
SAFEWAY STORE #186
KINGSTON, WA

SCALE: NTS
DATE: 07/14/20
DRAWN BY: SAM
CHECKED BY: ##

SHEET
R3

Subject to field inspection

Reviewed for Code Compliance
Kitsap County Building Department
Kitsap County Fire Marshal



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

GENERAL NOTES

A. DESIGN IS BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS TO DETERMINE STATUS OF ACTUAL CONDITIONS AS THEY RELATE TO THE SCOPE OF WORK AS SHOWN ON THESE PLANS. LACK OF CONTRACTOR VERIFICATION WILL NOT CONSTITUTE A REQUEST FOR CHANGE ORDERS.

B. ALL CIRCUITS AND RELATED DEVICES ARE TO REMAIN UNLESS OTHERWISE INDICATED.

C. CONTRACTOR TO MAINTAIN POWER TO ALL DOWN STREAM DEVICES AND CIRCUITS THAT ARE TO REMAIN DURING COMPLETION OF THE WORK INDICATED ON THESE PLANS.

D. CONTRACTOR SHALL COORDINATE ALL WORK WITH PROJECT MANAGER PLAN AND ALL OTHER TRADES.

E. SEE LIGHTING SHEETS FOR NEW LIGHTING REQUIREMENTS.

F. SEE POWER SHEETS FOR NEW POWER REQUIREMENTS.

G. CONTRACTOR SHALL PROVIDE NEW UPDATED DIRECTORIES FOR ALL PANELS IN WHICH CIRCUITS ARE ADDED OR REMOVED. DELETED CIRCUITS SHALL BE MARKED SPARE.

H. CONTRACTOR TO COORDINATE FINAL DISPOSITION OF ALL REMOVED LIGHT FIXTURES, POWER EQUIPMENT AND ALL RELATED CONDUIT, CONDUCTORS AND DEVICES WITH PROJECT MANAGER. ABATEMENT AND/OR DISPOSAL OF ALL BALLASTS OR TRANSFORMERS FROM DEMO'D AREAS OR FIXTURES IS THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. SEE DEMOLITION SPECIFICATION.

I. CONTRACTOR TO REMOVE ALL ABANDONED STUB-UPS TO BELOW FLOOR.

J. CONTRACTOR TO REMOVE ALL ABANDONED CONDUIT AND CONDUCTORS BACK TO SOURCE.

K. CONTRACTOR TO REMOVE ALL CORNICE LIGHTS ON GONDOLAS BEING DEMO'D. SEE OTHER GENERAL NOTES, THIS SHEET AND GENERAL NOTES ON ARCHITECTURAL SHEETS. FIELD VERIFY EXACT LOCATION AND COUNT.

L. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL CIRCUITS TO EXISTING PANELS PRIOR TO ANY DEMOLITION TO CONFIRM BREAKER TO DEVICES DEMO'D OR RE-USED RELATIONSHIP.

M. ELECTRICAL CONTRACTOR SHALL PROVIDE IN THEIR BID TO INCLUDE ANY TEMPORARY POWER FEEDS AS REQUIRED. THIS IS TO INCLUDE TEMPORARY UTILITY PANELS, OR EQUIPMENT. COORDINATE WITH PROJECT MANAGER, AND GC. SEE GENERAL NOTE B AND SPECIFICATIONS.

N. EXISTING FLOOR DUCT JUNCTION BOXES OR FLOOR RECEPTACLES THAT ARE TO REMAIN SHALL BE RE-LEVELED AND REPAIRED TO MATCH NEW FINISHED FLOOR. ANY GRINDING OR MODIFYING TO PROVIDE FLUSH SURFACE IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND THE GENERAL CONTRACTOR.

O. ALL EXISTING CONDUITS THAT ARE BELOW 18" A.F.F. OR BELOW NEW CEILING HEIGHT SHALL BE RAISED AND INCLUDED IN BASE CONTRACT BID.

P. CONTRACTOR OPTION TO REUSE EXISTING RACEWAY AND CONDUCTORS OR PROVIDE NEW (EXCEPTION OF THE RELOC LIGHTING SYSTEM). REMOVE EXISTING RELOC CABLES AND PROVIDE NEW. REUSE EXISTING RELOC J-BOXES IF SO REQUIRED. REFER TO NEW POWER AND LIGHTING PLANS FOR HOMERUN LOCATIONS.

Q. SEE ARCHITECTURAL DEMOLITION PLAN FOR ADDITIONAL INFORMATION.

KEYED NOTES

1. REMOVE ELECTRICAL DEVICES IN WALLS, FASCIA, OR FENCING BEING REMOVED. DISCONNECT RELATED CIRCUITS BACK TO SOURCE OR TO FIRST ACCESSIBLE JUNCTION BOX IF CIRCUIT IS TO BE REUSED. CONTRACTOR TO MAKE PROVISION TO MAINTAIN POWER TO DOWN STREAM DEVICES IF NOT ON DEDICATED CIRCUIT. FILL AND PATCH FLOOR AND WALL WHERE REQUIRED.
2. NO WORK WITHIN THIS AREA U.N.O.
3. EXISTING CASEWORK TO BE DEMO'D. DEMO EXISTING CIRCUITS BACK TO SOURCE OR RELOCATE AS INDICATED.
4. EXISTING STARBUCKS KIOSK TO BE RELOCATED UNDER SEPARATE CONTRACT. STARBUCKS PANEL TO BE RELOCATED TO NEW LOCATION, COORDINATE EXACT LOCATION.
5. EXISTING CHECKSTANDS TO BE DEMO'D. PRESERVE CIRCUITS WITHIN WALKER DUCT FOR RECONNECTION OF NEW CHECKSTANDS.
6. EXISTING POWER POLES AT CHECKSTAND REFRIGERATORS TO BE DEMO'D. CIRCUITS TO BE DEMO'D TO NEAREST J-BOX AND PRESERVED FOR REUSE. SEE NEW POWER PLAN.
7. RELOCATED EQUIPMENT, SEE POWER PLAN FOR NEW LOCATION AND NEW CONNECTION INFORMATION.
8. REPLACED REFRIGERATION SYSTEMS. DISCONNECT EXISTING FANS, LIGHTS, AND ANTI-SWEAT AND PRESERVE FOR CONNECTION TO NEW OR RELOCATED EQUIPMENT, SEE REFRIGERATION POWER PLANS FOR MORE INFORMATION.

SAFEWAY.

CHRISTOPHER SCOTT LEGG
STATE OF WASHINGTON
56568
REGISTERED PROFESSIONAL ENGINEER
07/21/2020

REVISIONS

DATE: 07/22/2020

SUBMITTAL DATES:
OWNER: 06/05/2020
BUILDING DEPT: -
OUT TO BID: 07/22/2020

TILAND / SCHMIDT
ARCHITECTS, P.C.
3611 SOUTH HOOD AVE.
PORTLAND OR 97239
503-220-8517 · FAX: 503-220-8518 ·

PROJECT NO. 20116/ECI 99W68
DRAWN BY: MAS
CHECKED BY: KSL
FILE NAME:

SAFEWAY STORE: #186
8196 NE STATE HIGHWAY 104
KINGSTON, WA. 98346

Engineering Consultants Incorporated
303 Federal Way Boise, ID 83705
Phone: 208.376.9820 Fax: 208.376.9822
www.eciboise.com

DRAWING TITLE
DEMOLITION PLAN

DRAWING No.
ED1.1

Permit Number: 20-05195

Subject to field inspection

Reviewed for Code Compliance
Kitsap County Building Department
Kitsap County Fire Marshal

SYMBOL LEGEND

1 — KEYED NOTE, RE: LEGEND THIS SHEET

1 / E1.2 — DETAIL CALLOUT

DEVICE SYMBOL LEGEND

DEVICE SCOPE OF WORK:
ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL RACEWAYS, TERMINAL BOARD & CABINET SYSTEM AS SHOWN ON DWGS. COORDINATE EXACT LOCATION WITH OWNERS. OWNER WILL INSTALL ALL TELEPHONE EQUIPMENT, WIRING & TERMINATIONS.

- TELEPHONE/DATA COMBINATION
- DATA
- SPEAKER

SAFEWAY.

07/21/2020

REVISIONS

DATE: 07/22/2020
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FILE NAME:

SAFEWAY STORE: #186
8196 NE STATE HIGHWAY 104
KINGSTON, WA. 98346

DRAWING TITLE
LOW VOLTAGE PLAN

DRAWING No.
LV1.1

eci
Engineering Consultants Incorporated
303 Federal Way Boise, ID 83705
Phone: 208.376.9826 Fax: 208.376.9827
www.eciboise.com

1 LOW VOLTAGE POWER PLAN
1/8" = 1'-0"

Permit Number: 20-05195