Store No.: GA685   **KMA:** ATLANTA
DESIGN AMBIENT: 95   **VOLTAGE:** 460V / 3PH   **ALTITUDE:** 1000
BY: J. TRAINOR   **DATE** 9/13/18   **F1 DATE** 8/23/18

UNIT	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	EEV CONTROL	DEFROST #/DAY	DEFROST TYPE	REFRIG
A	1A	55'-7"	17	10	MLT4330S(EEV)	1/3 FREEZER W/ (19) DOORS	GROC.	NEW	K-0060907	-20	26.7	AKV 10-7		EL/TEMP	R407A
	1B				MLT4330S(EEV)	1/3 FREEZER W/ (19) DOORS	GROC.	NEW		-20	26.7	AKV 10-7		EL/TEMP	
	1C				MLT4330S(EEV)	1/3 FREEZER W/ (19) DOORS	GROC.	NEW		-20	26.7	AKV 10-7		EL/TEMP	
	2A	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	2.1	AKV 10-1	1	EL/TEMP	
	3A	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	2.1	AKV 10-1	1	EL/TEMP	
	4A	1	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	5.3	AKV 10-3	1	EL/TEMP	
	4B	1	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	5.3	AKV 10-3	1	EL/TEMP	
	4C	1	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	5.3	AKV 10-3	1	EL/TEMP	
	4D	1	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	5.3	AKV 10-3	1	EL/TEMP	
	4E	1	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	5.3	AKV 10-3	1	EL/TEMP	
	5A	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	2.1	AKV 10-1	1	EL/TEMP	
	6A	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	2.1	AKV 10-1	1	EL/TEMP	
	7A	1	QTY		RLN(IC-E-LED2)-2	2 DOOR G.D., ICE CREAM TEMP, NARROW	GROC.	NEW		-19	2.1	AKV 10-1	1	EL/TEMP	

DISTRIBUTED UNIT INFORMATION (Unit A)

NEW DISTRIBUTED UNIT Without Sound Attenuation Kit
Configuration: Vertical
Reclaim: Air, See RISD-12A
Controller: Danfoss AK-SM 880, Serving unit 'A'
Compressor Votage: 460V

All case & cooling coil electric to be case controlled and
fed from building electric panels.
Condenser to be fed from distributed unit

Unit MOPD: *90A
*Overcurrent protection sizing is preliminary
Final sizing to be obtained from OEM's application sheets

Suction Temperature: -23° Midpoint, -18.8° Dewpoint (9.7 PSIG Setpoint)
Condensing Temperature: 105° Midpoint

COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
ZFD25KVE Digital, Economized 50°			30.2	47.5	
ZF25KVE Economized 50°			30.2	47.5	
ZF25KVE Economized 50°			30.2	47.5	
ZF25KVE Economized 50°			30.2	47.5	
ZF25KVE Economized 50°			30.2	47.5	
ZF25KVE Economized 50°			30.2	47.5	
TOTAL LOAD: 123.5			181.1	285.1	63.2%

HEAT RECLAIM COIL DESIGN DATA
Mass Flow: 2358 lb's/hr
Derated THR: 142.5 Mbh
See GA685R1.2 drawing for connection sizing

NEW 480V Air Cooled Condenser with Receiver & Valve Package
HUSSMANN LAVF-22410, 34.53 mbh/deg td capacity, 68 circuits
10 Degree Setpoint / Operating TD

NEMA 1 VFD: Danfoss 178U1892 (K-0060168)

Prefabricated Pipe Box - (AES Industries 42492)
Condenser Equipment Support - Quantity (2) - (AES Industries 42447)

UNIT	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	EEV CONTROL	DEFROST #/DAY	DEFROST TYPE	REFRIG
B	1A	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	R407A
	1B	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	1C	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	1D	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	2A	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	2B	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	2C	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	2D	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	GROC.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	3A	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	3B	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	3C	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	3D	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	4A	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	4B	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	4C	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	4D	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	5A	1	QTY		RLN(LT-E-LED2)-3	3 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	2.6	AKV 10-2	1	EL/TEMP	
	5B	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	5C	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	5D	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	6A	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	6B	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	6C	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	4.3	AKV 10-2	1	EL/TEMP	
	6D	1	QTY		RLN(LT-E-LED2)-3	3 DOOR G.D., LOW TEMP, NARROW, BACK-TO-BACK	GROC.	NEW		-11	2.6	AKV 10-2	1	EL/TEMP	

DISTRIBUTED UNIT INFORMATION (Unit B)

NEW DISTRIBUTED UNIT Without Sound Attenuation Kit
Configuration: Vertical
Reclaim: Water, See RISD-12B
Controller: Danfoss AK-SM 880, Serving unit 'B' and unit 'C' circuits 1 through 8
Compressor Voltage: 460V

All case & cooling coil electric to be case controlled and
fed from building electric panels.
Condensor to be fed from distributed unit

Unit MOPD: *70A
*Overcurrent protection sizing is preliminary
Final sizing to be obtained from OEM's application sheets

Suction Temperature: -14° Midpoint, -8.7° Dewpoint (15.6 PSIG Setpoint)
Condensing Temperature: 105° Midpoint

COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
ZFD25KVE Digital, Economized 50°			38.0	56.3	
ZF25KVE Economized 50°			38.0	56.3	
ZF25KVE Economized 50°			38.0	56.3	
ZF25KVE Economized 50°			38.0	56.3	
TOTAL LOAD: 103.9			152.0	225.1	68.4%

HEAT RECLAIM COIL DESIGN DATA
Mass Flow: 1986 lb's/hr
Derated THR: 112.6 Mbh
See GA685R1.2 drawing for connection sizing

NEW 480V Air Cooled Condenser with Receiver & Valve Package
HUSSMANN LAVF-22410, 34.53 mbh/deg td capacity, 68 circuits
10 Degree Setpoint / Operating TD

NEMA 1 VFD: Danfoss 178U1892 (K-00601[illegible]

Prefabricated Pipe Box - (AES Industries 42492)
Condenser Equipment Support - Quantity (2) - (AES Indu[illegible]

UNIT	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	EEV CONTROL	DEFROST #/DAY	DEFROST TYPE	REFRIG
C	1A	1295	SQ FT	10	LCA6185S	1/5 COOLER W/ (28) DOORS	DAIRY	NEW	K-0060906	26	18.3	AKV 10-6		OT/TIME	R407A
	1B				LCA6185S	1/5 COOLER W/ (28) DOORS	DAIRY	NEW		26	18.3	AKV 10-6		OT/TIME	
	1C				LCA6185S	1/5 COOLER W/ (28) DOORS	DAIRY	NEW		26	18.3	AKV 10-6		OT/TIME	
	1D				LCA6185S	1/5 COOLER W/ (28) DOORS	DAIRY	NEW		26	18.3	AKV 10-6		OT/TIME	
	1E				LCA6185S	1/5 COOLER W/ (28) DOORS	DAIRY	NEW		26	18.3	AKV 10-6		OT/TIME	
	2A	1	QTY		D5XLEP-6	6' FIVE DECK, LOW FRONT	DAIRY	NEW		26	7.6	(2) AKV 10-2	3	OT/TIME	
	3A	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	DAIRY	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	3B	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	DAIRY	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	4A	1	QTY		DD5NX-L-12	12' FIVE DECK LOW FRONT WITH DOORS	SS BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	4B	1	QTY		DD5NX-L-12	12' FIVE DECK LOW FRONT WITH DOORS	SS BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	4C	1	QTY		DD5NX-L-12	12' FIVE DECK LOW FRONT WITH DOORS	SS BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	4D	1	QTY		DD5NX-L-12	12' FIVE DECK LOW FRONT WITH DOORS	SS BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	4E	1	QTY		DD5NX-L-12	12' FIVE DECK LOW FRONT WITH DOORS	SS BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	4F	1	QTY		DD5NX-L-8	8' FIVE DECK LOW FRONT WITH DOORS	SS BEV.	NEW		32	2.2	(2) AKV 10-1	1	OT/TIME	
	5A	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	PROD.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	5B	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	PROD.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	5C	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	PROD.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	6A	1	QTY		DD5XLP-6	6' FIVE DECK WITH DOORS	PROD.	NEW		32	1.6	(2) AKV 10-1	1	OT/TIME	
	6B	1	QTY		DD5XLP-8	8' FIVE DECK WITH DOORS	PROD.	NEW		32	2.2	(2) AKV 10-1	1	OT/TIME	
	6C	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	PROD.	NEW		32	3.3	(3) AKV 10-1	[illegible]	OT/TIME	
	7A	1	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	PROD.	NEW		26	15.2	(3) AKV 1[illegible]3	3	OT/TIME	
	7B	1	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	PROD.	NEW		26	15.2	(3) AKV[illegible]-3	3	OT/TIME	
	7C	1	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	PROD.	NEW		26	15.2	(3) AKV[illegible]3	3	OT/TIME	
	7D	1	QTY		D5XLEP-12	12' FIVE DECK, LOW FRONT	PROD	NEW		26	15.2	(3) AKV [illegible]	[illegible]	[illegible]	
	8A	1	QTY		DD5XLP-6	6' FIVE DECK WITH DOORS	DELI.	NEW		32	[illegible]	(2) AKV 1[illegible]	[illegible]	[illegible]	
	9A	1	QTY		IM-04-IN6-R(BEV)	NARROW MULTI-DECK SELF SERVICE END	SS BEV.	NEW		2[illegible]	[illegible]	[illegible] AKV 10-2	6	OT/TI[illegible]	
	9B	1	QTY		IM-04-IN6-R(BEV)	NARROW MULTI-DECK SELF SERVICE END	SS BEV.	NEW		[illegible]	5.7	[illegible]KV 10-2	6	OT/TIME	
	9C	1	QTY		IM-04-IN8-R(BEV)	NARROW MULTI-DECK SELF SERVICE END	SS BEV.	NEW		[illegible]	6.8	[illegible]V 10-2	6	OT/TIME	
	10A	8'-7"	15'-8"	10	ACM134S(EEV)	COOLER	FLOR.	NEW	K-006[illegible]	[illegible]	11.7	[illegible]0-5	[illegible]	OT/TIME	
	11A	1	QTY		FL5NX-LEP-6	6' MULTI DECK, LOW FRONT, NARROW	FLOR	NEW		[illegible]	10.6	(2)[illegible]0-3	3	OT/TIME	
	11B	1	QTY		FL5NX-LEP-12	12' MULTI DECK, LOW FRONT, NARROW	FLOR.	[illegible]		[illegible]	15.9	(3) A[illegible]3	3	OT/TIME	
	12A	1	QTY		DD5XLP-6	6' FIVE DECK WITH DOORS	DAIRY	[illegible]		[illegible]	2.2	(2) AK[illegible]	1	OT/TIME	
	12B	1	QTY		DD5XLP-8	8' FIVE DECK WITH DOORS	DAIRY	NEW		32	2.2	(2) AK[illegible]	1	OT/TIME	
	12C	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	DAIRY	NEW		32	[illegible]	(3) A[illegible] 10-1	1	OT/TIME	
	12D	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	[illegible]	NEW		32	[illegible]	[illegible] AKV 10-1	1	OT/TIME	
	12E	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	[illegible]	NEW		32	[illegible]	(3) AKV 10-1	1	OT/TIME	
	13A	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	DAIRY	[illegible]		[illegible]	[illegible]	(3) AKV 10-1	1	OT/TIME	
	13B	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	DAIRY	[illegible]		[illegible]	3.3	(3) AKV 10-1	1	OT/TIME	
	13C	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOO[illegible]	DAIRY	[illegible]		32	3.3	(3) AKV 10-1	1	OT/TIME	
	13D	1	QTY		DD5XLP-12	12' FIVE DECK WITH [illegible]	DAIRY	[illegible]		32	3.3	(3) AKV 10-1	1	OT/TIME	
	13E	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOOR[illegible]	DAIRY	[illegible]		32	3.3	(3) AKV 10-1	1	OT/TIME	
	14A	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	[illegible]AIRY	[illegible]		32	3.3	(3) AKV 10-1	1	OT/TIME	
	14B	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	[illegible]RY	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	14C	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	[illegible]	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	15A	1	QTY		DD5NX-L-6	6' FIVE DECK LOW FRONT WITH D[illegible]	[illegible]	NEW		32	1.6	(2) AKV 10-1	1	OT/TIME	
	15B	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	15C	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	15D	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	15E	1	QTY		DD5XLP-12	12' FIVE [illegible]K WITH DOORS	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	15F	1	QTY		DD5NX-L-6	6' FIV[illegible] LOW FRONT WITH DOORS	BEV.	NEW		32	1.6	(2) AKV 10-1	1	OT/TIME	
	16A	1	QTY		DD5XLP-6	[illegible] DECK WITH DOORS	MEAT	NEW		32	2.2	(2) AKV 10-1	1	OT/TIME	
	16B	1	QTY		DD5XLP-12	[illegible]E DECK WITH DOORS	MEAT	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	16C	1	QTY		DD5XLP-12	[illegible]E DECK WITH DOORS	MEAT	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	16D	1	QTY		[illegible]	8' [illegible]ECK WITH DOORS	MEAT	NEW		32	2.2	(2) AKV 10-1	1	OT/TIME	
	16[illegible]	1	QTY		[illegible]	8' F[illegible]CK WITH DOORS	MEAT	NEW		32	2.2	(2) AKV 10-1	1	OT/TIME	
	[illegible]	[illegible]7"	47'-3"	10	LFA230S([illegible]	1/2 CO[illegible]	PROD.	NEW	K-0060917	26	24.7	AKV 10-6		OT/TIME	
	17B				LFA230S(E[illegible])	1/2 COO[illegible]	PROD.	NEW		26	24.7	AKV 10-6		OT/TIME	
	18A	[illegible]	SQ FT		LFA12[illegible](EEV)	1/2 PREP	PROD.	NEW	K-0060916	35	18.2	AKV 10-6		OT/TIME	
	18B				[illegible]20S(EEV)	[illegible]2 PREP	PROD	NEW		35	18.2	AKV 10-6		OT/TIME	

DISTRIBUTED UNIT INFORMATION (Unit C)

NEW DISTRIBUTED UNIT Without Sound Attenuation Kit
Configuration: [illegible]
Re[illegible]: Air, See RIS[illegible]
[illegible]ontroller: Danfoss AK-SM [illegible], Serving unit 'C' circuits 8 through 18
Compressor Voltage: 460V

All case [illegible] electric to b[illegible]ase controlled and
fed from [illegible] panels.
Cond[illegible]ser to be fe[illegible] distributed [illegible]it

Unit [illegible]PD: *125A
*Ov[illegible]rent protectio[illegible] is pre[illegible]inary
Fin[illegible]ing to be ob[illegible]rom OE[illegible]'s applic[illegible]on sheets

Suc[illegible]emperature: 24[illegible], 26.6° De[illegible]oint (53.5 PSIG Setpoint)
Cond[illegible] Temp[illegible]ature: 110° Midpoint

COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
ZFD25K[illegible]tal, Economized Max*			83.3	109.2	
ZF25KVE Economized Max*			83.3	109.2	
[illegible]25KVE Economized Max*			83.3	109.2	
[illegible]VE Economized Ma[illegible]			83.3	109.2	
ZF25[illegible]			83.3	109.2	
ZF25KVE Economized Max*			83.3	109.2	
TOTAL LOAD: 414.3			499.8	655.3	62.9%

HEAT RECLAIM COIL DESIGN DATA
Mass Flow: 7350 lb's/hr
Derated THR: 327.6 Mbh
See GA685R1.2 drawing for connection sizing

NEW 460V Air Cooled Condenser with Receiver & Valve Package
HUSSMANN LAVF-23410, 51.80 mbh/deg td capacity, 66 circuits
15 Degree Setpoing / Operating TD

NEMA 1 VFD: Danfoss 178U2582 (K-0060166)

Prefabricated Pipe Box - (AES Industries 42492)
Condenser Equipment Support - Quantity (2) - (AES Industries 42448)

UNIT	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	EEV CONTROL	DEFROST #/DAY	DEFROST TYPE	REFRIG
D	1A	1	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	NEW		-20	2.1	AKV 10-1	1	EL/TEMP	R407A
	1B	1	QTY		FW(DT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	3.1	AKV 10-2	1	EL/TEMP	
	1C	1	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	NEW		-20	2.1	AKV 10-1	1	EL/TEMP	
	1D	1	QTY		FW(DT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	3.1	AKV 10-2	1	EL/TEMP	
	2A	1	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	NEW		-20	2.1	AKV 10-1	1	EL/TEMP	
	2B	1	QTY		FW(DT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	3.1	AKV 10-2	1	EL/TEMP	
	2C	1	QTY		FW(DT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	3.1	AKV 10-2	1	EL/TEMP	
	2D	1	QTY		FWE(DT-E)	WIDE ISLAND END , DUAL TEMP	MEAT	NEW		-20	2.1	AKV 10-1	1	EL/TEMP	
	2E	1	QTY		FW(DT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	3.1	AKV 10-2	1	EL/TEMP	
	2F	1	QTY		FW(DT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, DUAL TEMP	MEAT	NEW		-20	3.1	AKV 10-2	1	EL/TEMP	
	3A	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	MEAT	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	3B	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	MEAT	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	3C	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	MEAT	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	3D	1	QTY		RLN(LT-E-LED2)-5	5 DOOR G.D., LOW TEMP, NARROW	SEAF.	NEW		-11	4.8	AKV 10-3	1	EL/TEMP	
	4A	1	QTY		FN-L(FF-E)-12	12' NARROW ISLAND DISPLAY W/LIDS	SEAF.	NEW		-12	2.3	AKV 10-1	1	EL/TEMP	
	5A	12	19'-10"	10	MLT4250S(EEV)	FREEZER	BAK.	NEW	K-0060898	-20	20.5	AKV 10-6		EL/TEMP	
	6A	1	QTY		RLN(IC-E-LED2)-5	5 DOOR G.D., ICE CREAM TEMP, NARROW	BAK.	NEW		-19	5.3	AKV 10-3	1	EL/TEMP	
	7A	10'-2"	10'-2"	10	MLT4165S(EEV)	FREEZER	DELI	NEW	K-0060902	-20	11.3	AKV 10-4		EL/TEMP	

DISTRIBUTED UNIT INFORMATION (Unit D)

NEW DISTRIBUTED UNIT Without Sound Attenuation Kit
Configuration: Vertical
Reclaim: Air, See RISD-12A
Controller: Danfoss AK-SM 880, Serving unit 'D'
Compressor Voltage: 460V

All case & cooling coil electric to be case controlled a[illegible]
fed from building electric panels.
Condenser to be fed from distribut[illegible]

[illegible]MOPD: *70A
*Overcurrent protection [illegible] preliminary
Final sizing to be obt[illegible] OEM's applica[illegible]heets

Suction [illegible]erature: -23° M[illegible], -18.8° Dewpo[illegible] PSIG Setpoint)
Conde[illegible]mperature: 105[illegible]point

COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
ZFD25KVE [illegible], Economized [illegible]			30.2	47.5	
ZF25KVE E[illegible]zed 50°			30.2	47.5	
ZF25KVE Ec[illegible]ed 50°			30.2	47.5	
ZF25KVE Econ[illegible] 50°			30.2	47.5	
TOTAL LOAD: 85.8			120.7	190.0	71.1%

HEAT RE[illegible]AIM COIL DESIGN DATA
Mass F[illegible]572 lb's/hr
Dera[illegible]R: 95.0 Mbh
[illegible]GA685R1.2 drawing for connection sizing

NEW 460V Air Cooled Condenser with Receiver & Valve Package
HUSSMANN LAVF-22410, 34.53 mbh/deg td capacity, 66 circuits
10 Degree Setpoint / Operating TD

NEMA 1 VFD: Danfoss 178U1892 (K-0060166)

Prefabricated Pipe Box - (AES Industries 42492)
Condenser Equipment Support - Quantity (2) - (AES Industries 42447)

UNIT	CKT	L	W	H	CASE/COIL MODEL	DESCRIPTION	DEPT	STAT	ePRO ITEM	EVAP TEMP	LOAD (MBH)	EEV CONTROL	DEFROST #/DAY	DEFROST TYPE	REFRIG
E	1A	1	QTY		FWE(MT-E)	WIDE ISLAND END , MED TEMP	DAIRY	NEW		19	1.3	[illegible]KV 10-1	1	EL/TEMP	R407A
	1B	1	QTY		FW(MT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, MED TEMP	DAIRY	NEW		[illegible]9	2.4	AKV 10-1	1	EL/TEMP	
	1C	1	QTY		FW(MT-E)-8(1/2)	(1/2) - 8' WIDE ISLAND, MED TEMP	DAIRY	NEW		[illegible]	[illegible]	AKV 10-1	1	EL/TEMP	
	1D	1	QTY		FWE(MT-E)	WIDE ISLAND END , MED TEMP	DAIRY	NEW		[illegible]	[illegible]3	AKV 10-1	1	EL/TEMP	
	1E	1	QTY		FW(MT-E)-8(1/2)	(1/2) - 8' WIDE ISLAND, MED T[illegible]MP	DAIRY	NEW		19	1.6	AKV 10-1	1	EL/TEMP	
	1F	1	QTY		FW(MT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, M[illegible] TEMP	DAIRY	NEW		19	2.4	AKV 10-1	1	EL/TEMP	
	2A	1	QTY		FWE(MT-E)	WIDE ISLAND END , [illegible]MP	DAIRY	NEW		19	1.3	AKV 10-1	1	EL/TEMP	
	2B	1	QTY		FW(MT-E)-12(1/2)	(1/2) - 12' WIDE ISLAND, M[illegible] TEMP	DAIRY	NEW		19	2.4	AKV 10-1	1	EL/TEMP	
	2C	1	QTY		FW(MT-E)-8(1/2)	(1/2) - 8' WIDE ISLAND, MED[illegible]EMP	DAIRY	[illegible]		19	1.6	AKV 10-1	1	EL/TEMP	
	2D	1	QTY		FWE(MT-E)	WIDE IS[illegible]ND END , MED TE[illegible]	DAIRY	[illegible]		19	1.3	AKV 10-1	1	EL/TEMP	
	2E	1	QTY		FW(MT-E)-8(1/2)	(1/2[illegible]VIDE ISLAND, MED [illegible]MP	[illegible]	NEW		19	1.6	AKV 10-1	1	EL/TEMP	
	2F	1	QTY		FW(MT-E)-12(1/2)	[illegible]VIDE ISLAND, MED[illegible]MP	[illegible]	NEW		19	2.4	AKV 10-1	1	EL/TEMP	
	3A	322	SQ FT		LFA135S(EEV)	PRE[illegible]	MEAT	NEW	K-0060912	30	19.3	AKV 10-6		OT/TIME	
	4A	11'-9"	10'-1"	10	LFAE120S([illegible]V)	HOLDIN[illegible]	MEAT	NEW	K-0060911	20	10.1	AKV 10-4		EL/TEMP	
	5A	1	QTY		Q2-S[illegible]	SELF SERV[illegible]-DECK	DELI	NEW		20	10.2	AKV 10-4	4	OT/TIME	
	5B	1	QTY		[illegible]	SELF SERV[illegible]ECK	DELI	NEW		20	5.1	AKV 10-3	4	OT/TIME	
	6A	1	QTY		DD5X[illegible]	8' FIVE DEC[illegible]	BEV.	NEW		32	2.2	(2) AKV 10-1	1	OT/TIME	
	6B	1	QTY		DD5XLP-[illegible]	12' FIVE DEC[illegible]WITH D[illegible]	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	6C	1	QTY		DD5XLP-12	[illegible]IVE DEC[illegible]WITH DOO[illegible]	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	6D	1	QTY		DD5XLP-12	[illegible] DEC[illegible]ITH DOORS	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	6E	1	QTY		DD5XLP-12	[illegible]ECK[illegible]TH DOORS	BEV	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	7A	1	QTY		Q2-SS-12	SEL[illegible]ULTI-DECK	DELI.	NEW		22	7.7	AKV 10-4		OT/TIME	
	[illegible]	1	QTY		[illegible]M5XEP(LED)-12	12' FIVE[illegible]	MEAT	NEW		26	16.4	(3) AKV 10-3	4	OT/TIME	
	[illegible]	[illegible]	QTY		[illegible]M5XEP(LED)-8	8' FIVE DE[illegible]	MEAT	NEW		26	10.9	(2) AKV 10-3	4	OT/TIME	
	9[illegible]	[illegible]	QTY		[illegible]-MS-8 (GRAV)	SERVICE SING[illegible]ECK GRAVITY COIL (NO SHELF)	MEAT	NEW		28	0.6	AKV 10-1	1	OT/TIME	
	9B	[illegible]	[illegible]		[illegible]-MS-8 (SERP)	SERVICE SINGLE-[illegible]ECK SERPENTINE COIL (NO SHELF)	MEAT	NEW		28	1.2	AKV 10-1	1	OT/TIME	
	10A	[illegible]	[illegible]		[illegible]XEP(LED)-8	8' FIVE DECK	SEAF.	NEW		26	10.9	(2) AKV 10-3	4	OT/TIME	
	10B	1	[illegible]		[illegible]XEP(LED)-8	8' FIVE DECK	SEAF.	NEW		26	10.9	(2) AKV 10-3	4	OT/TIME	
	11A	1	QT[illegible]		[illegible]DSFM-12	12' SERVICE	SEAF.	NEW		24	3.6	AKV 10-2	3	OT/TIME	
	12A	1	[illegible]TY		[illegible]3-SS-8	SELF SERVICE MULTI-DECK	DELI	NEW		20	6.8	AKV 10-4	4	OT/TIME	
	[illegible]B	1	[illegible]TY		[illegible]3-SS-8	SELF SERVICE MULTI-DECK	DELI	NEW		20	6.6	AKV 10-4	4	OT/TIME	
	[illegible]	1	[illegible]TY		[illegible]-SS-6	SELF SERVICE MULTI-DECK	DELI	NEW		20	5.1	AKV 10-3	4	OT/TIME	
	[illegible]	[illegible]	[illegible]TY		IM-04-[illegible]R(DAIRY) 1/2	(1/2) - 12' UNITIZED MULTI-DECK ISLAND	DAIRY	NEW		28	8.3	(3) AKV 10-2	6	OT/TIME	
	1[illegible]	[illegible]	[illegible]Y		IM-(04-C12)R(DAIRY) 1/2	(1/2) - 12' UNITIZED MULTI-DECK ISLAND	DAIRY	NEW		28	8.3	(3) AKV 10-2	6	OT/TIME	
	14A	[illegible]	[illegible]		DD5XLP-12	12' FIVE DECK WITH DOORS	DELI.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	14B	1	[illegible]		DD5XLP-12	12' FIVE DECK WITH DOORS	DELI.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	14C	1	[illegible]		DD5XLP-12	12' FIVE DECK WITH DOORS	DELI	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	14D	1	QTY		DD5XLP-12	12' FIVE DECK WITH DOORS	DELI.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	15A	11'-7"	20'-9"	10	LFA190S	COOLER (DELI & PRODUCE PRODUCTION)	DELI.	NEW	K-0060904	26	19.5	AKV 10-6		OT/TIME	
	16A	11'-5"	23'-7"	10	LCA8185S(EEV)	COOLER	DELI.	NEW	K-0060804	26	18.2	AKV 10-6		OT/TIME	
	17A	1	QTY		DD5NX-L-8	8' FIVE DECK LOW FRONT WITH DOORS	DELI.	NEW		32	2.2	(2) AKV 10-1	1	OT/TIME	
	18A	7'-10"	7'-10"	10	ACM076S(EEV)	RETARDER	BAK.	NEW	K-0060801	26	6.8	AKV 10-4		OT/TIME	
	19A	1	QTY		BLF-59SR	SELF SERVICE	BAK.	NEW		20	5.7	AKV 10-3	4	OT/TIME	
	19B	1	QTY		BLF-59SR	SELF SERVICE	BAK.	NEW		20	5.7	AKV 10-3	4	OT/TIME	
	19C	1	QTY		BLF-59SR	SELF SERVICE	BAK.	NEW		20	5.7	AKV 10-3	4	OT/TIME	
	19D	1	QTY		BLF-59SR	SELF SERVICE	BAK.	NEW		20	5.7	AKV 10-3	4	OT/TIME	
	20A	1	QTY		RGB-8	8' UPRIGHT BACK BAR W/LED & REFRIG STORAGE	DELI.	NEW		28	10.1	AKV 10-4	4	OT/TIME	
	21A	1	QTY		ESBDS-12	12' SERVICE	DELI.	NEW		20	4.3	AKV 10-2	2	OT/TEMP	
	22A	1	QTY		IM-04-R-8 (MT)	8 FT. MULTI-DECK ISLAND	DELI.	NEW		25	6.4	AKV 10-4	6	OT/TIME	
	23A	1	QTY		PF-6R-51-35	6' MULTI-DECK, 51" TALL	DELI.	NEW		22	4.4	AKV 10-3	4	OT/TIME	
	24A	1	QTY		DLPC-8R	8' SELF SERVICE	DELI.	NEW		26	5.1	AKV 10-3	6	OT/TEMP	
	24B	1	QTY		DLPC-12R	12' SELF SERVICE	DELI.	NEW		26	7.8	AKV 10-4	6	OT/TEMP	
	25A	1	QTY		PT-10R-RRS	10' SELF SERVICE W/R.R. STOR. (SUSHI)	DELI.	NEW		24	8.9	AKV 10-4	4	OT/TIME	
	26A	1	QTY		DD5NX-L-12	12' FIVE DECK LOW FRONT WITH DOORS	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	26B	1	QTY		DD5NX-L-12	12' FIVE DECK LOW FRONT WITH DOORS	BEV.	NEW		32	3.3	(3) AKV 10-1	1	OT/TIME	
	27A	1	QTY		IM-04-R-6 (MT)	6 FT. MULTI-DECK ISLAND	DELI.	NEW		25	4.8	AKV 10-3	6	OT/TIME	
	28A	10'-3"	10'-2"	10	ECM090S(EEV)	RAW COOLER	DELI	NEW	K-0060903	20	9.3	AKV 10-4		EL/TEMP	
	29A	731	SQ FT	10	LFAE190S(EEV)	COOLER	MEAT	NEW	K-0060910	20	18.3	AKV 10-6		EL/TEMP	
	29B				LFAE270S(EEV)	COOLER	MEAT	NEW		20	27.3	AKV 10-6		EL/TEMP	

DISTRIBUTED UNIT INFORMATION (Unit E)

NEW DISTRIBUTED UNIT Without Sound Attenuation Kit
Configuration: Vertical
Reclaim: Air, See RISD-12A
Controller: Danfoss AK-SM 880, Serving unit 'E'
Compressor Voltage: 460V

All case & cooling coil electric to be case controlled and
fed from building electric panels.
Condenser to be fed from distributed unit

Unit MOPD: *125A
*Overcurrent protection sizing is preliminary
Final sizing to be obtained from OEM's application sheets

Suction Temperature: 17° Midpoint, 21.5° Dewpoint (44.6 PSIG Setpoint)
Condensing Temperature: 110° Midpoint

COMPRESSOR	HP	SUCT TEMP	CAPACITY	THR	PERCENT LOADED
ZFD25KVE Digital, Economized Max*			73.4	98.5	
ZF25KVE Economized Max*			73.4	98.5	
ZF25KVE Economized Max*			73.4	98.5	
ZF25KVE Economized Max*			73.4	98.5	
ZF25KVE Economized Max*			73.4	98.5	
ZF25KVE Economized Max*			73.4	98.5	
TOTAL LOAD: 375.0			440.2	590.9	85.2%

HEAT RECLAIM COIL DESIGN DATA
Mass Flow: 6290 lb's/hr
Derated THR: 295.4 Mbh
See GA685R1.2 drawing for connection sizing

NEW 460V Air Cooled Condenser with Receiver & Valve Package
HUSSMANN LAVF-23410, 51.80 mbh/deg td capacity, 68 circuits
15 Degree Setpoint / Operating TD

NEMA 1 VFD: Danfoss 178U2582 (K-0060188)

Prefabricated Pipe Box - (AES Industries 42492)
Condenser Equipment Support - Quantity (2) - (AES Industries 42448)

Order Plans @ www.LDILine.com

GENERAL NOTES :

EQUIPMENT IS TO BE CONSIDERED (NEW) UNLESS NOTED OTHERWISE. THE FULL EXTENT OF EXISTING, NEW, AND/OR RELOCATED EQUIPMENT SHALL BE CONSIDERED THE COMPLETE RESPONSIBILITY OF THE KROGER ENGINEER.

INFORMATION FOR THIS PLAN WAS TAKEN FROM ARCHITECTURAL PLANS DATED AND KROGER PLANS DATED . ALL WORK MUST BE FIELD VERIFIED FOR ACTUAL CONDITIONS. CONTACT THE KROGER ENGINEER OF ANY DISCREPANCIES ARE FOUND.

THIS DRAWING IS INTENDED ONLY TO SHOW THE REQUIREMENTS OF THE KROGER CO. THE DESIGN [illegible] BUILDING TO CONFORM TO ALL APPLICABLE LAWS, CODES, REGULATIONS, [illegible] AND APPROVAL OF THE INSPECTION AUTHORITIES HAVING JURISDICTION [illegible] THE RESPONSIBILITY OF THE ARCHITECT EMPLOYED BY THE OWNER.

ATLANTA
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NEW STORE
GA-685
CHAMBLEE TUCKER RD
TUCKER,GA

CURRENT PLAN DATE: 9/13/2018
ORIGINAL PLAN DATE: 9/13/2018
DRAWN: J. TRAINOR   CHECKED:
REVISIONS:

STANDARD PLOTTED SCALE: 3/32"=1'-0"

BUILDING STATS:	
TOTAL SHELVING	3,347 LF
SALES AREA % OF GROSS BUILDING	77,210 SF 67 %
BASE STORE	102,740 SF
MEZZANINE	
DOCK / UTILITY	11,938 SF

GROSS BUILDING 114,678 SF

REFRIGERATION EQUIP. SCHEDULE

STEEL PACKAGE ID: Not Applicable

GA-685

SHEET: R6.1

CAD FILE: GA685R6.I.DWG
PLOTTED ON : Sep 13, 2018 - 11:17am BY: j473966

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