

REFRIGERATION CONTRACTOR TO PROVIDE ANY EXTRA PROGRAMMING NEEDED IN FIELD

CPC BOARD LAYOUT
STORE: LUCKYS MARKET
LOCATION: NAPLES, FL
JOB #: CRM82419
UNIT: RACK A

810-3066 MULTIFLEX 168			
RELAY PT	CONTACTS	DESCRIPTION	
1-1	NC	COMPRESSOR #1	
1-2	NO	COMPRESSOR #1 UNLOADER	
1-3	NC	COMPRESSOR #2	
1-4	NO	COMPRESSOR #2 UNLOADER	
1-5	NC	COMPRESSOR #3	
1-6	NC	COMPRESSOR #4	
1-7	NC	COMPRESSOR #5	
1-8	NO	COMPRESSOR #5 UNLOADER	
INPUT PT.	DEVICE	DESCRIPTION	
1-1	800-2200	SUCTION PRESSURE AR	(P1)
1-2	800-2200	SUCTION PRESSURE AL	(P2)
1-3	800-2500	DISCHARGE PRESSURE	(P3)
1-4	0.5-4V	LIQUID LEVEL INDICATOR	
1-5	501-1125	SUCTION HEADER TEMP AR	(T1)
1-6	501-1125	SUCTION HEADER TEMP AL	(T2)
1-7	501-1125	LIQUID HEADER TEMP	(T3)
1-8	FIELD	MACHINE ROOM TEMP SENSOR	
1-9	DIGITAL	PHASE LOSS ALARM	
1-10	FIELD	HOT WATER TEMP	
1-11	FIELD	AIR HEAT RECLAIM INPUT	
1-12	FIELD	DOOR SWITCH INPUT CKT#1	
1-13	DIGITAL	OIL FAILURE ALARM COMP#1	
1-14	DIGITAL	OIL FAILURE ALARM COMP#2	
1-15	DIGITAL	OIL FAILURE ALARM COMP#3	
1-16	DIGITAL	OIL FAILURE ALARM COMP#4	

810-3066 MULTIFLEX 168			
RELAY PT	CONTACTS	DESCRIPTION	
2-1	NC	COMPRESSOR #6	
2-2	NO	COMPRESSOR #6 UNLOADER	
2-3	NC	COMPRESSOR #7	
2-4	NO	AIR HEAT RECLAIM CONTROL	
2-5	NO	WATER HEAT RECLAIM CONTROL	
2-6	NC/NO	ALARM OUTPUT	
2-7			
2-8			
INPUT PT.	DEVICE	DESCRIPTION	
2-1	DIGITAL	OIL FAILURE ALARM COMP#5	
2-2	DIGITAL	OIL FAILURE ALARM COMP#6	
2-3	DIGITAL	OIL FAILURE ALARM COMP#7	
2-4	DIGITAL	COMPRESSOR PROOF #1 (CSR)	
2-5	DIGITAL	COMPRESSOR PROOF #2 (CSR)	
2-6	DIGITAL	COMPRESSOR PROOF #3 (CSR)	
2-7	DIGITAL	COMPRESSOR PROOF #4 (CSR)	
2-8	DIGITAL	COMPRESSOR PROOF #5 (CSR)	
2-9	DIGITAL	COMPRESSOR PROOF #6 (CSR)	
2-10	DIGITAL	COMPRESSOR PROOF #7 (CSR)	
2-11	800-2500	DROP LEG PRESSURE	(P4)
2-12	FIELD	MRILDS LEAK DETECTOR CKT#1	
2-13	FIELD	MRILDS LEAK DETECTOR CKT#7	
2-14	FIELD	MRILDS LEAK DETECTOR CKT#8	
2-15	FIELD	MRILDS LEAK DETECTOR CKT#17	
2-16	FIELD	MRILDS LEAK DETECTOR CKT#18	

810-3066 MULTIFLEX 168			
RELAY PT	CONTACTS	DESCRIPTION	
3-1	NC	REFRIGERATION CKT #1	
3-2	NC/NO	DEFROST CKT #1	
3-3	NC	EVAPORATOR FAN CKT#1	
3-4	NC	REFRIGERATION CKT #2	
3-5	NC/NO	DEFROST CKT #2	
3-6	NC	EVAPORATOR FAN CKT#2	
3-7	NC	REFRIGERATION CKT #3	
3-8	NC/NO	DEFROST CKT #3	
INPUT PT.	DEVICE	DESCRIPTION	
3-1	FIELD	MRILDS LEAK DETECTOR CKT#19	
3-2	809-0041	MRILDS LEAK DETECTOR RACK	
3-3	FIELD	MRILDS MOTOR ROOM	
3-4	FIELD	SPARE	
3-5	FIELD	SPARE	
3-6	FIELD	EMERGENCY SHUT DOWN	
3-7	FIELD	MRILDS SILENCE ALARM	
3-8	FIELD	DEFROST TERMINATION CKT#1	
3-9	FIELD	DEFROST TERMINATION CKT#2	
3-10	FIELD	DEFROST TERMINATION CKT#3-1	
3-11	FIELD	DEFROST TERMINATION CKT#3-2	
3-12	FIELD	DEFROST TERMINATION CKT#3-3	
3-13	FIELD	DEFROST TERMINATION CKT#3-4	
3-14	FIELD	DEFROST TERMINATION CKT#4-1	
3-15	FIELD	DEFROST TERMINATION CKT#4-2	
3-16	FIELD	DEFROST TERMINATION CKT#4-3	

810-3066 MULTIFLEX 168			
RELAY PT	CONTACTS	DESCRIPTION	
4-1	NC	REFRIGERATION CKT #4	
4-2	NC/NO	DEFROST CKT #4	
4-3	NC	REFRIGERATION CKT #5	
4-4	NC/NO	DEFROST CKT #5	
4-5	NC	REFRIGERATION CKT #6	
4-6	NC/NO	DEFROST CKT #6	
4-7	NC	REFRIGERATION CKT #7	
4-8	NC/NO	DEFROST CKT #7	
INPUT PT.	DEVICE	DESCRIPTION	
4-1	FIELD	DEFROST TERMINATION CKT#5-1	
4-2	FIELD	DEFROST TERMINATION CKT#5-2	
4-3	FIELD	DEFROST TERMINATION CKT#6-1	
4-4	FIELD	DEFROST TERMINATION CKT#6-2	
4-5	FIELD	DEFROST TERMINATION CKT#7-1	
4-6	FIELD	DEFROST TERMINATION CKT#7-2	
4-7	FIELD	DEFROST TERMINATION CKT#8-1	
4-8	FIELD	DEFROST TERMINATION CKT#8-2	
4-9	FIELD	DEFROST TERMINATION CKT#18	
4-10	FIELD	TEMPERATURE CKT #1	
4-11	FIELD	TEMPERATURE CKT #2	
4-12	FIELD	TEMPERATURE CKT #3-1	
4-13	FIELD	TEMPERATURE CKT #3-2	
4-14	FIELD	TEMPERATURE CKT #3-3	
4-15	FIELD	TEMPERATURE CKT #3-4	
4-16	FIELD	TEMPERATURE CKT #4-1	

810-3066 MULTIFLEX 168			
RELAY PT	CONTACTS	DESCRIPTION	
5-1	NC	REFRIGERATION CKT #8	
5-2	NC/NO	DEFROST CKT #8	
5-3	NC/NO	DEFROST CKT #10	
5-4	NC/NO	DEFROST CKT #11	
5-5	NC/NO	DEFROST CKT #12	
5-6	NC/NO	DEFROST CKT #13	
5-7	NC/NO	DEFROST CKT #14	
5-8	NC/NO	DEFROST CKT #15	
INPUT PT.	DEVICE	DESCRIPTION	
5-1	FIELD	TEMPERATURE CKT #4-2	
5-2	FIELD	TEMPERATURE CKT #4-3	
5-3	FIELD	TEMPERATURE CKT #5-1	
5-4	FIELD	TEMPERATURE CKT #5-2	
5-5	FIELD	TEMPERATURE CKT #6-1	
5-6	FIELD	TEMPERATURE CKT #6-2	
5-7	FIELD	TEMPERATURE CKT #7-1	
5-8	FIELD	TEMPERATURE CKT #7-2	
5-9	FIELD	TEMPERATURE CKT #8-1	
5-10	FIELD	TEMPERATURE CKT #8-2	
5-11	FIELD	TEMPERATURE CKT #10	
5-12	FIELD	TEMPERATURE CKT #11	
5-13	FIELD	TEMPERATURE CKT #12-1	
5-14	FIELD	TEMPERATURE CKT #12-2	
5-15	FIELD	TEMPERATURE CKT #13-1	
5-16	FIELD	TEMPERATURE CKT #13-2	

810-3066 MULTIFLEX 168			
RELAY PT	CONTACTS	DESCRIPTION	
6-1	NC/NO	DEFROST CKT #16	
6-2	NC/NO	DEFROST CKT #17	
6-3	NC	REFRIGERATION CKT #18	
6-4	NC/NO	DEFROST CKT #18	
6-5	NC	EVAPORATOR FAN CKT#18	
6-6	NC/NO	DEFROST CKT #19	
6-7	NC/NO	DEFROST CKT #20	
6-8	NC/NO	DEFROST CKT #21	
INPUT PT.	DEVICE	DESCRIPTION	
6-1	FIELD	TEMPERATURE CKT #13	
6-2	FIELD	TEMPERATURE CKT #14-1	
6-3	FIELD	TEMPERATURE CKT #14-2	
6-4	FIELD	TEMPERATURE CKT #15-1	
6-5	FIELD	TEMPERATURE CKT #15-2	
6-6	FIELD	TEMPERATURE CKT #16-1	
6-7	FIELD	TEMPERATURE CKT #16-2	
6-8	FIELD	TEMPERATURE CKT #16-3	
6-9	FIELD	TEMPERATURE CKT #16-4	
6-10	FIELD	TEMPERATURE CKT #17-1	
6-11	FIELD	TEMPERATURE CKT #17-2	
6-12	FIELD	TEMPERATURE CKT #17-3	
6-13	FIELD	TEMPERATURE CKT #18	
6-14	FIELD	TEMPERATURE CKT #19	
6-15	FIELD	TEMPERATURE CKT #20	
6-16	FIELD	TEMPERATURE CKT #20	

810-3066 MULTIFLEX 168			
RELAY PT	CONTACTS	DESCRIPTION	
7-1	NC/NO	DEFROST CKT #22	
7-2	NC/NO	DEFROST CKT #23	
7-3	NC/NO	DEFROST CKT #24	
7-4	NC/NO	DEFROST CKT #25	
7-5	NC/NO	DEFROST CKT #26	
7-6	NC/NO	DEFROST CKT #27	
7-7	NC/NO	DEFROST CKT #28	
7-8	NC/NO	DEFROST CKT #29	
INPUT PT.	DEVICE	DESCRIPTION	
7-1	FIELD	TEMPERATURE CKT #21-1	
7-2	FIELD	TEMPERATURE CKT #21-2	
7-3	FIELD	TEMPERATURE CKT #21-3	
7-4	FIELD	TEMPERATURE CKT #22-1	
7-5	FIELD	TEMPERATURE CKT #22-2	
7-6	FIELD	TEMPERATURE CKT #23-1	
7-7	FIELD	TEMPERATURE CKT #23-2	
7-8	FIELD	TEMPERATURE CKT #24-1	
7-9	FIELD	TEMPERATURE CKT #24-2	
7-10	FIELD	TEMPERATURE CKT #25	
7-11	FIELD	TEMPERATURE CKT #26	
7-12	FIELD	TEMPERATURE CKT #27	
7-13	FIELD	TEMPERATURE CKT #28-1	
7-14	FIELD	TEMPERATURE CKT #28-2	
7-15	FIELD	TEMPERATURE CKT #29-1	
7-16	FIELD	TEMPERATURE CKT #30-1	

810-3064 MULTIFLEX 88			
RELAY PT	CONTACTS	DESCRIPTION	
8-1	NC/NO	DEFROST CKT #30	
8-2	NC/NO	DEFROST CKT #31	
8-3	NC/NO	DEFROST CKT #32	
8-4	NC/NO	DEFROST CKT #33	
8-5	FIELD	DOOR ALARM OUTPUT CKT#A1	
8-6	FIELD	EMERGENCY SHUT DOWN	
8-7	FIELD	LEAK DETECTION SHUTDOWN CKT#A1	
8-8	FIELD	LEAK DETECTION SHUTDOWN CKT#A7	
INPUT PT.	DEVICE	DESCRIPTION	
8-1	FIELD	TEMPERATURE CKT #30-2	
8-2	FIELD	TEMPERATURE CKT #31	
8-3	FIELD	TEMPERATURE CKT #32	
8-4	FIELD	TEMPERATURE CKT #33	
8-5			
8-6			
8-7			
8-8			

810-3064 MULTIFLEX 88				
RELAY PT	CONTACTS	DESCRIPTION		
9-1	FIELD	LEAK DETECTION SHUTDOWN CKT#A1		
9-2	FIELD	LEAK DETECTION SHUTDOWN CKT#A1		
9-3	FIELD	LEAK DETECTION SHUTDOWN CKT#A1		
9-4	FIELD	LEAK DETECTION SHUTDOWN CKT#A1		
9-5	FIELD	MACHINE ROOM EVAP FAN		
9-6	FIELD	MACHINE ROOM MOTORIZED DAMPER		
9-7				
9-8				
INPUT PT.	DEVICE	DESCRIPTION		
9-1	FIELD	AMBIENT TEMP SENSOR		
9-2				
9-3				
9-4				
9-5				
9-6				
9-7				
9-8				

SPECIAL NOTE: MACHINE ROOM EVAP FAN HI SPEED & LOW SPEED AND MOTORIZED RO POINTS WILL BE WIRED TO TERMINAL PINS.

RTU-1 MULTIFLEX RTU-ROOF TOP		
RELAY PT.	CONTACTS	DESCRIPTION
13-1	FIELD	*Main Fan
13-2	FIELD	*Cool 1
13-3	FIELD	*Cool 2
13-4	FIELD	*Heat 1
13-5	FIELD	*Heat 2
13-6	FIELD	SPARE
13-7	FIELD	SPARE
13-8	FIELD	SPARE
INPUT PT.	DEVICE	DESCRIPTION
16-1	FIELD	Space Temp Sensor #1
16-2	FIELD	Space Temp Sensor #2
16-3	FIELD	SPARE
16-4	FIELD	Supply Air Temp Sensor
16-5	FIELD	*Return Air Temp Sensor
16-6	FIELD	SPARE
16-7	FIELD	SPARE
16-8	FIELD	SPARE

RTU-2 MULTIFLEX RTU-ROOF TOP		
RELAY PT.	CONTACTS	DESCRIPTION
14-1	FIELD	*Main Fan
14-2	FIELD	*Cool 1
14-3	FIELD	*Cool 2
14-4	FIELD	*Heat 1
14-5	FIELD	*Heat 2
14-6	FIELD	SPARE
14-7	FIELD	SPARE
14-8	FIELD	SPARE
INPUT PT.	DEVICE	DESCRIPTION
17-1	FIELD	Space Temp Sensor #1
17-2	FIELD	Space Temp Sensor #2
17-3	FIELD	SPARE
17-4	FIELD	Supply Air Temp Sensor
17-5	FIELD	*Return Air Temp Sensor
17-6	FIELD	SPARE
17-7	FIELD	SPARE
17-8	FIELD	SPARE

PRELIMINARY - CAN VARY FROM LOCATION TO LOCATION

RTU-3 MULTIFLEX RTU-ROOF TOP		
RELAY PT.	CONTACTS	DESCRIPTION
15-1	FIELD	*Main Fan
15-2	FIELD	*Cool 1
15-3	FIELD	*Cool 2
15-4	FIELD	*Heat 1
15-5	FIELD	*Heat 2
15-6	FIELD	SPARE
15-7	FIELD	SPARE
15-8	FIELD	SPARE
INPUT PT.	DEVICE	DESCRIPTION
18-1	FIELD	Space Temp Sensor #1
18-2	FIELD	Space Temp Sensor #2
18-3	FIELD	SPARE
18-4	FIELD	Supply Air Temp Sensor
18-5	FIELD	*Return Air Temp Sensor
18-6	FIELD	SPARE
18-7	FIELD	SPARE
18-8	FIELD	SPARE

RTU-4 MULTIFLEX RTU-ROOF TOP		
RELAY PT.	CONTACTS	DESCRIPTION
16-1	FIELD	*Main Fan
16-2	FIELD	*Cool 1
16-3	FIELD	*Cool 2
16-4	FIELD	*Heat 1
16-5	FIELD	*Heat 2
16-6	FIELD	SPARE
16-7	FIELD	SPARE
16-8	FIELD	SPARE
INPUT PT.	DEVICE	DESCRIPTION
19-1	FIELD	Space Temp Sensor #1
19-2	FIELD	Space Temp Sensor #2
19-3	FIELD	SPARE
19-4	FIELD	Supply Air Temp Sensor
19-5	FIELD	*Return Air Temp Sensor
19-6	FIELD	SPARE
19-7	FIELD	SPARE
19-8	FIELD	SPARE

NOTES: WIRE PRESSURE TRANSDUCERS TO 4.5V
WIRE LIQUID LEVEL LEAK DETECTOR TO 12V
ONLY THREE 5V SENSORS PER INPUT BOARD
ONLY ONE 12V SENSOR PER INPUT BOARD

IF A DIGITAL COMPRESSOR IS PRESENT CHANGE THE ANALOG OUTPUT POINT ASSOCIATED WITH THE COMPRESSOR RUN SIGNAL TO FAIL AT 5V WITH THE CPC HANDHELD.

Order Plans

HUSSMANN
Lic. #644405

13770 RAMONA AVENUE
CHINO, CA 91710
PHONE (909) 590-8910
FAX (909) 590-9113

SUBS PERSON

PROJECT MANAGER

DATE: 05.05.18
SCALE: NTS
DRAWN BY: N. RENTERIA
CHK'D BY:
APP'D BY:

PLAN: 82419R1-3_DSI-4.dwg

LUCKY'S MARKET
THE PROMENADE AT NAPLES CENTRE

NEW STORE
6424 NAPLES BLVD., SUITE 801, NAPLES, FL

EMS
SCHEDULES

SHEET

EM3