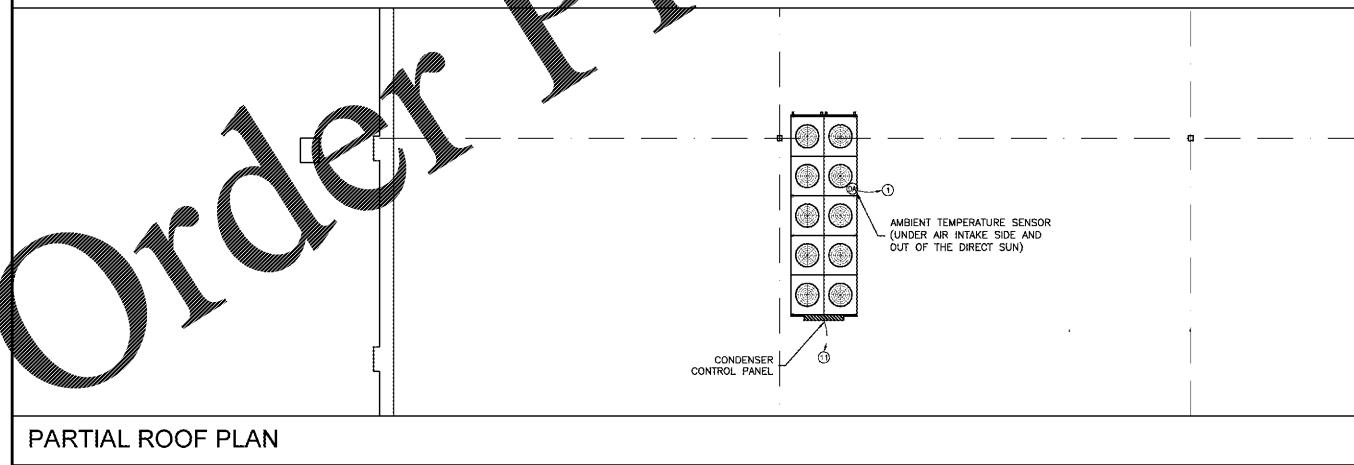


FLOOR PLAN

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



PARTIAL ROOF PLAN

SCALE: 1/8" = 1'-0"

WIRING NOTES

1. ALL LOW VOLTAGE WIRING BY REFRIGERATION CONTRACTOR
2. ALL WIRING FOR LED BY ELECTRICAL CONTRACTOR.
3. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL CONDUIT FOR LOW VOLTAGE

- | | |
|---|---|
| 1 - BELDEN #8761 (2 #22 SHIELDED CABLE) | 7 - 120V, 1Ø, DEDICATED POWER BY EC |
| 2 - BELDEN #8760 (2 #18 SHIELDED CABLE) | 8 - 208V, 3Ø, DEDICATED POWER BY EC |
| 3 - BELDEN #8771 (3 #22 SHIELDED CABLE) | 9 - ECHELON NETWORK WIRING, ONE (1) PAIR CPC PART #135-2300 (NON-PLENUM) AND #135-2301 (PLENUM) |
| 4 - BELDEN #8729 (4 #22 SHIELDED CABLE) | 10 - CAT 5E CABLE |
| 5 - 2 #14 | 11 - 208V, 1Ø, DEDICATED POWER BY EC |
| 6 - 2 #12 | |

NOTES:
ALL CONDUIT AND POWER WIRING FURNISHED BY E.C. ALL 120V/1Ø OR 208V/1Ø CONTROL WIRING SHALL BE IN CONDUIT. ALL LOW VOLTAGE CONTROL/SENSOR WIRING SHALL BE IN CONDUIT. THE 120V/1Ø OR 208V/1Ø CONTROL WIRING SHALL NOT BE RUN IN THE SAME CONDUIT AS THE LOW VOLTAGE CONTROL/SENSOR WIRING.

CABLE LEGEND:
 - - - - - WIRING INSTALLED BY THE EC IN CONDUIT
 _____ WIRING FACTORY INSTALLED

SYMBOLS	DESCRIPTION
A1	NEW/MODIFIED REFRIGERATION SYSTEM DESIGNATION
A1	EXISTING REFRIGERATION SYSTEM DESIGNATION
A1	FUTURE REFRIGERATION SYSTEM DESIGNATION
SC	SELF-CONTAINED REFRIGERATION DESIGNATION
DT	ELECTRICAL DEFROST TERMINATION SENSOR
E	EVAPORATIVE PRESSURE REGULATOR
SS	SUCTION LINE SOLENOID VALVE
LS	LIQUID LINE SOLENOID VALVE
P	TEMPERATURE SENSOR
DS	DOOR SWITCH
L	LEAK DETECTION SENSOR/MRLDS
J/A	HORN AND STROBE
S	LIGHT SENSOR
S	PUSH BUTTON SWITCH
S	SPACE TEMPERATURE SENSOR
DA	OUTSIDE AIR AMBIENT TEMPERATURE SENSOR
LL	OUTSIDE PHOTOCELL
H	HUMIDITY DEWPOINT SENSOR
BMS	BUILDING MANAGEMENT SYSTEM INPUT ON HOODS
CS	CURRENT SENSOR

GENERAL NOTES

1. REFRIGERATION CONTRACTOR SHALL VERIFY ALL FAILSAFE AND DIP SWITCHED SETTING ON CPC BOARDS FOR PROPER SYSTEM OPERATION.
2. INSTALL ALL LOW VOLTAGE CABLES EXPOSED TO AMBIENT CONDITIONS IN LIQUIDTIGHT CONDUIT DESIGNED FOR EXTERIOR APPLICATION.
3. CPC SENSORS ARE NOT POLARITY SENSITIVE.
4. ALL EMS CABLES/WIRING TO BE IDENTIFIED ON EACH END OF CABLE RUN.
5. TWIST ALL SHIELD WIRED FROM ALL T-SENSOR CABLES TOGETHER AND CONNECT TO GROUND INSIDE COMPRESSOR RACK ELECTRICAL CABINET. ISOLATE OTHER ENDS OF SHIELD WIRED WITH HEAT SHRINK TAPE.
6. INSTALL DEFROST TERMINATION TEMP-SENSOR ON SIDE PLATE OF EVAPORATOR COIL OR INSIDE THE ROUND SPARE CHANNEL ON ALL EVAPORATORS WITH ELECTRIC DEFROST.
7. INSTALL TEMP-SENSORS IN THE WALK-INS IN MAXIMUM RETURN AIR STREAM AWAY FROM DEFROST HEATERS.
8. USE CONDUIT SHOWN ON ELECTRICAL PLAN FOR LOW VOLTAGE EMS CABLE. NO LINE VOLTAGE POWER WIRING SHALL BE RUN IN ANY CONDUIT WITH LOW VOLTAGE EMS CABLE.

SHEET KEYNOTES

1. CPC E2 CX-400 BOARD LOCATED IN RACK A CONTROL PANEL.
2. CPC BOARD LOCATED IN LIGHTNING CONTROL PANEL IN THE ELECTRICAL ROOM.
3. TEMPERATURE SENSOR FOR HOT WATER HEAT RECLAIM INPUT AND OUTPUT. VERIFY EXACT LOCATION IN FIELD.
4. FREEZER DOOR SWITCH, "CONTACT" CLOSE WHEN DOOR IS OPEN.
5. LEAK DETECTION UNIT MRLDS LOCATED ON WALL. INSTALLED AND WIRED BY THE REFRIG. CONTR.
6. STROBE LIGHT AND HORN FOR REFRIGERANT LEAK ALARM. E.C. SHALL INSTALL PER DIRECTION OF THE REFRIGERATION CONTRACTOR.
7. HORNS AND STROBE ALARM FURNISHED BY HUSSMANN. INSTALLED AND WIRED BY ELEC. CONTR. PER STATE AND LOCAL CODES. DEVICE MUST BE A MIN. OF 15 DBA ABOVE AMBIENT. AN ENGRAVED SIGN BELOW THE HORN AND STROBE IS TO READ "REFRIGERATION ALARM WHEN HORN/STROBE ABOVE IS FLASHING NOTIFY STORE MANAGER".
8. PROVIDE RS485 I/O NETWORK WIRING BETWEEN THE RACK (COMPRESSOR PANEL), ROOFTOP CONDENSING UNIT PANELS AND LIGHTNING CONTROL PANEL.
9. 4-BUTTON OVERRIDE PANE BY HUSSMANN. COORDINATE EXACT LOCATIONS OF OVERRIDE LIGHTING PANELS WITH LUCKY'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. PUSH BUTTON SWITCH TO BE IN BREAK GLASS TYPE ENCLOSURE LABELED "EMERGENCY REFRIGERATION SHUT OFF"
11. THE REFRIGERATION CONTRACTOR SHALL PROVIDE RES-485 I/O WIRING FROM I/O BOARD IN CONDENSER ELECTRICAL PANEL TO COMPRESSOR RACK CONTROL PANEL.
12. CPC MFB8 BOARD LOCATED IN LIGHTNING CONTROL PANEL IN THE ELECTRICAL ROOM.
13. WIRE TO ROOF AT RTU UNITS.

LEAK DETECTION GENERAL NOTES

1. UPON DETECTION IN THE WALK-IN COOLERS AND FREEZERS, THE LEAK DETECTION SYSTEM WILL DEACTIVATE THE SUCTION AND LIQUID LINE SOLENOIDS ON THE REFRIGERATION LINES. THIS WILL STOP THE FLOW OF REFRIGERANT PREVENTING REFRIGERANT FROM ENTERING THE CLOSED SPACE. AT THE SAME TIME THE LEAK DETECTION SYSTEM WILL ACTIVATE A HORN AND LIGHT LOCATED AT EACH COOLER AND FREEZER. THIS WILL NOTIFY PERSONNEL FROM OPENING AND ENTERING THE CONTAINED SPACE. EACH SUBSTANTIAL REFRIGERANT LEAK WILL BE RECORDED AND ALARMED.
2. ALARMS SHALL BE ACTIVATED WITHIN THE SPACE AND AS REQUIRED BY SECTION 1121.3, WHENEVER THE REFRIGERANT VAPOR PEL IS EXCEEDED. SUCH SYSTEMS SHALL ALSO AUTOMATICALLY STOP THE FLOW OF REFRIGERANT TO EVAPORATORS WITHIN THE SPACE AND STOP THE FLOW OF REFRIGERANT ALL SUPPLY LINES WHENEVER THE REFRIGERANT VAPOR CONCENTRATION IS DETECTED AT OR ABOVE 50 PERCENT OF THE OILH OR 25 PERCENT OF THE LEL. SHALL AUTOMATICALLY DE-ENERGIZE ALL ELECTRICAL POWER WITHIN THE SPACE THAT DOES NOT MEET THE REQUIREMENT FOR A CLASS 1, DIVISION 1, GROUP D ELECTRICAL INSTALLATION.
3. WHEN AN ALARM FROM THE REFRIGERATION CONTROL PANEL EXIST, IT SENDS AN ALARM SIGNAL TO THE FACE PANEL. THIS SHALL BE AN "ALARM CONDITION".
4. THE SUPPLY AND RETURN SOLENOID VALVES AT EACH BOX FOR LEAK DETECTION ARE TO BE NORMALLY OPEN (N.O.).
5. SIGNAGE AT EACH ENTRANCE TO A WALK-IN BOX TO READ "AUTHORIZED PERSONNEL ONLY"

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SALES PERSON
 ROZCO

PROJECT MANAGER

DATE: 05.05.18
 SCALE: NTS
 DRAWN BY: N. RENTERIA
 CHK'D BY: _____
 APR'D BY: _____
 PLAN: 82419ER1-9_DMS1-4.dwg

LUCKY'S MARKET
THE PROMENADE AT NAPLES CENTRE

NEW STORE
 6424 NAPLES BLVD., SUITE 001, NAPLES, FL.

EMS FLOOR PLAN

SHEET
EM1