

EZE RX-300 COMMUNICATION PORT

COM2a	COMPRESSOR CORE SENSE MODULE / WFD / SUBCOOLER CONTROL
COM2b	LEAK DETECTION COMM LOOP
COM4a	CASE/COIL CONTROLLER LOOP #1
COM4b	CASE/COIL CONTROLLER LOOP #2
COM6	I/O BOARD

NOTE: NOT ALL CONNECTIONS SHOWN ON THIS SCHEDULE ARE PRESENT AT EACH RACK CONTROLLER. REFER TO ONE-LINE DIAGRAM FOR CONNECTIONS SPECIFIC TO EACH RACK CONTROLLER.

WIRE LEGEND

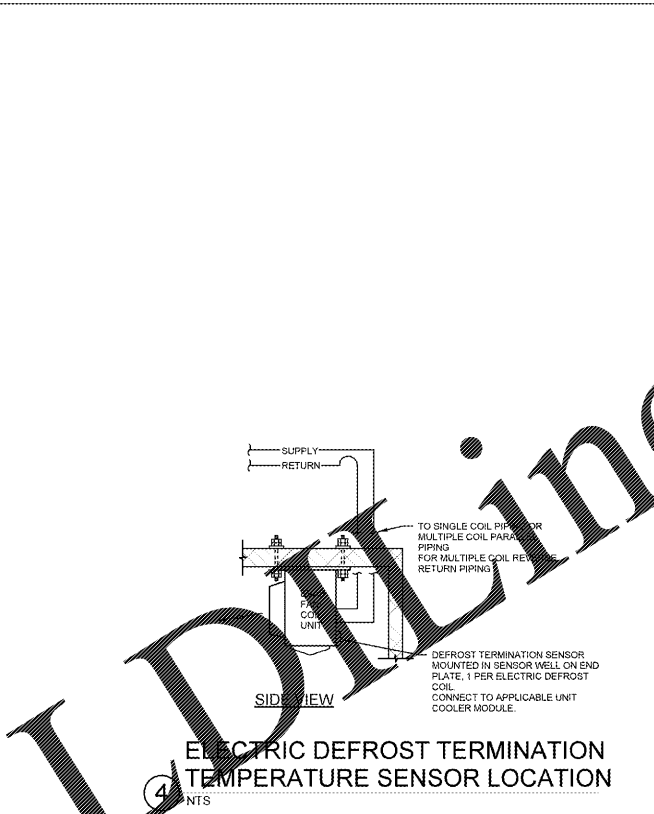
- CPC 135-0600 (22-2 TWISTED PAIR)
- CPC 135-9418 (18-4)
- CPC 135-1440 (14-4)

NOTES

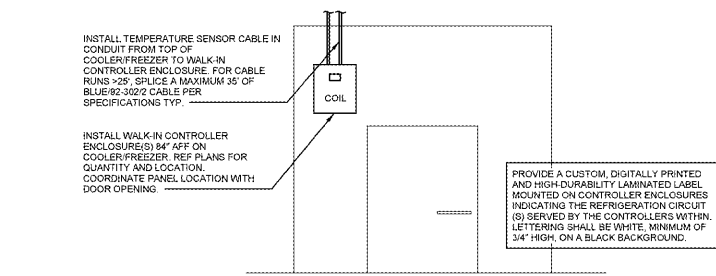
- ALL CABLE CPC 135-0600 UNLESS NOTED OTHERWISE
- ALL BAS CABLES FURNISHED BY BAS SUPPLIER

--- FACTORY INSTALLED
- - - FIELD INSTALLED

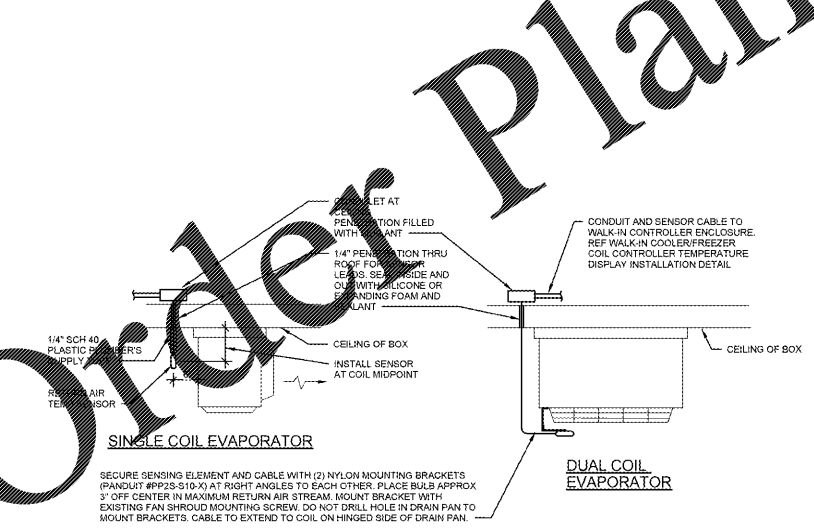
ENSURE CONNECTION OF BUILDING AND REFRIGERATION CONTROLLERS VIA ETHERNET TO LAN



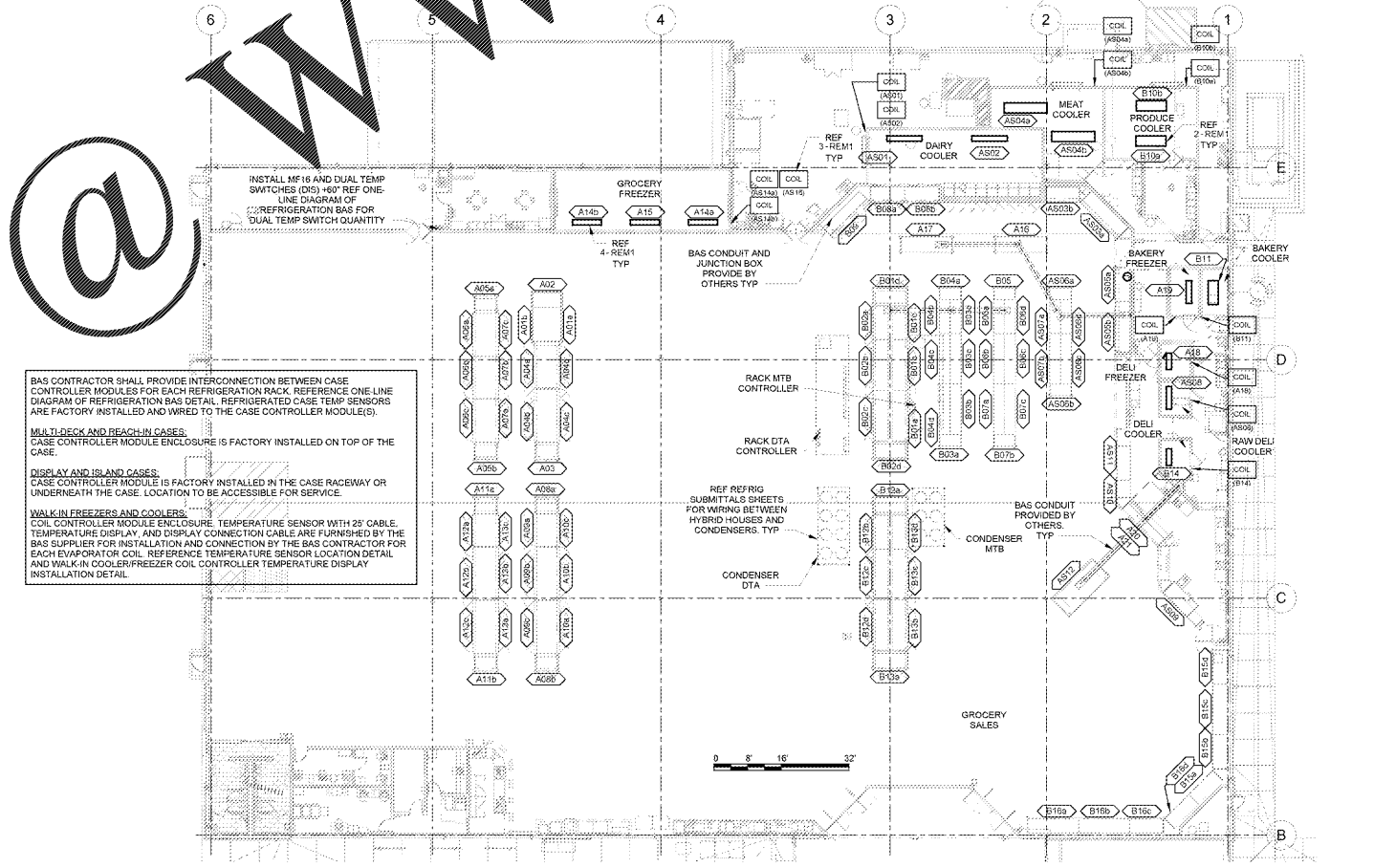
5 ONE-LINE DIAGRAM OF REFRIGERATION BAS
NTS



3 WALK-IN COOLER/FREEZER COIL CONTROLLER TEMPERATURE DISPLAY INSTALLATION
NTS



2 TEMPERATURE SENSOR LOCATION
NTS



1 REFRIGERATION BUILDING AUTOMATION SYSTEM PLAN
1/16" = 1'-0"

- GENERAL REFRIGERATION BAS NOTES**
- BAS CONTRACTOR SHALL CONTACT THE BAS SUPPLIER TO OBTAIN THE CASE/COIL CONTROLLER MODULE ADDRESS LIST BEFORE ADDRESSING CASE/COIL CONTROLLER DISPLAYS. ALL COMPLETED TEST VERIFICATION FORMS SHALL BE RETURNED TO THE BAS SUPPLIER.
 - BAS CONTRACTOR SHALL PROVIDE COMPLETED REFRIGERATION SENSOR INPUT VERIFICATION FORMS TO THE BAS SUPPLIER AT THE BEGINNING OF THE REFRIGERATION EQUIPMENT STARTUP. BAS CONTRACTOR SHALL PROVIDE ASSISTANCE TO THE BAS SUPPLIER FOR SPOT CHECKING OF SENSORS FOR ACCURACY.
 - ALL BAS CABLE BETWEEN CASE/COIL CONTROLLER MODULES ON THE SALES FLOOR SHALL BE INSTALLED IN CONDUIT AND CONCEALED FROM VIEW. IT SHALL BE ROUTED ALONGSIDE OTHER PIPING OR CONDUITS AS MUCH AS POSSIBLE.
 - BAS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REFRIGERATION STARTUP ASSISTANCE UNTIL RELEASED BY THE BAS SUPPLIER. REFRIGERATION CONSTRUCTION SHALL BE COMPLETED BEFORE REFRIGERATION STARTUP.
 - DURING THE REFRIGERATION STARTUP, THE BAS CONTRACTOR SHALL COMPLETE ALL UNRESOLVED REFRIGERATION ISSUES PRIOR TO WORKING ON OTHER BAS INST.
 - REFRIGERATION INSTALLATION CONTRACTOR TO INSTALL PRESSURE REGULATOR (EPR) AND SUPPLY PRESSURE REGULATOR (EPR) REFER TO R1 FOR LOCATIONS. REFRIGERATION INSTALLATION CONTRACTOR TO TERMINATE ALL LIVE WIRING. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL SOLENOID VALVE WIRING. THE BAS CONTRACTOR IS TO INSTALL THE LOW VOLTAGE CONTROL WIRING FROM THE EPR CONTROL VALVE TO EPR CONTROL BOARD.
 - REFER TO ARCHITECTURAL DRAWINGS FOR PIPING INSTALLATION AND SEALING REQUIREMENTS FOR DEVICES SHOWN ON COOLER/FREEZER PANELS. DO NOT INSTALL PIPING WITHIN COOLER/FREEZER PANELS.
 - ROUTE ALL UTILITY SERVICE LINES (PIPES AND CONDUIT) WITHIN STUD WALLS WHEREVER POSSIBLE. ON COOLER/FREEZER PANELS IN FOOD PREP AREAS WHERE UTILITIES MUST BE EXPOSED, CONTRACTOR TO HAVE THE OPTION OF THE FOLLOWING:
 - SURFACE MOUNT UTILITIES WITH NON-CORROSIVE ANCHORS. SEAL BOTH SIDES OF PIPING/CONDUIT TO PANEL CONTINUOUSLY WITH SEALANT.
 - INSTALL UTILITIES 1/2" OFF FACE OF PANEL TO ALLOW FOR CLEANING. USE ONLY NON-CORROSIVE MATERIALS FOR SPACERS AND ANCHORS.
 - COVER UTILITIES WITH 20 GAUGE STAINLESS STEEL BEFIT PLATES MOUNTED TO WALL WITH NON-CORROSIVE ANCHORS. APPLY CONTINUOUS SEALANT ALONG EDGES AND JOINTS.

BAS SYMBOLS

(S)	AIR TEMPERATURE SENSOR
BASC	BLDG AUTOMATION SYSTEM CONTRACTOR
CASE	CASE CONTROLLER
CWB	CONTROL WIRING BY
DFB	DEVICE FURNISHED BY
DIB	DEVICE INSTALLED BY
DIS	DIGITAL INPUT SWITCH (DUAL TEMP)
J	JUNCTION BOX
LDP	LEAK DETECTION PANEL
MF16	MULTIFLEX 16A
MF16B	MULTIFLEX 16A AND BRO
MF16AQC	MULTIFLEX 16A AND 4A0
MF8A	MULTIFLEX 8I AND 8RO
MF EBR	MULTIFLEX ELECTRONIC STEPPER REGULATOR
RCM	REFRIGERATED CASE MANUFACTURER
A-1	REFRIGERATION CIRCUIT
EZE RX-300	REFRIGERATION RACK CONTROLLER
RSM	REFRIGERATED SYSTEM MANUFACTURER
BRO	8 RELAY OUTPUT BOARD
COIL	WALK-IN COIL CONTROLLER

STIPULATION FOR THE CONTRACTOR TO REVIEW THE PROJECT AND TO BE RESPONSIBLE FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROJECT.

MPW
MPW ENGINEERING, LLC
1100 N. UNIVERSITY AVENUE, SUITE 100
APOPKA, FL 32712
TEL: 407.881.1100
WWW.MPWENGINEERING.COM

Walmart
APOPKA, FL
STORE NO. 6884
JOB NUMBER: 09719-006 / PROTO 412

ISSUE BLOCK

NO.	DESCRIPTION	DATE

CHECKED BY: MAM
DRAWN BY: PMD
FILE NAME: REM1
PROTO CYCLE: 10/28/16
DOCUMENT DATE: 01/09/17

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY SCOTT C. WEBB. PLEASE PRINT THE DATE AND/OR TIME STAMP SHOWN USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURES MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

REFRIGERATION ENERGY MANAGEMENT PLAN
CPC
SHEET: REM1