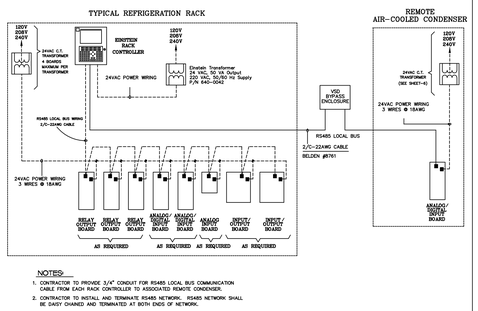
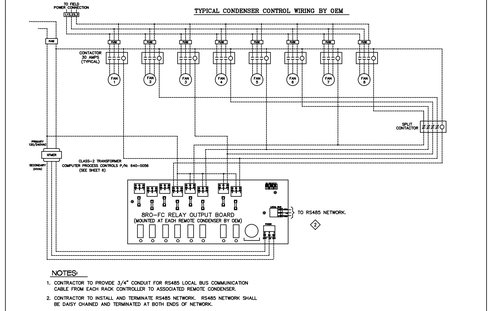


NOTES:
1. CONTRACTOR TO PROVIDE 3/4" CONDUIT FOR RS485 LOCAL BUS COMMUNICATION CABLE FROM EACH RACK CONTROLLER TO ASSOCIATED REMOTE CONDENSER.
2. CONTRACTOR TO INSTALL AND TERMINATE RS485 NETWORK. RS485 NETWORK SHALL BE DAISY CHAINED AND TERMINATED AT BOTH ENDS OF NETWORK.

1 EINSTEIN CONTROL SYSTEM -- REFRIG. RACK POWER & RS485 LOACL BUS WIRING — SCALE: NONE



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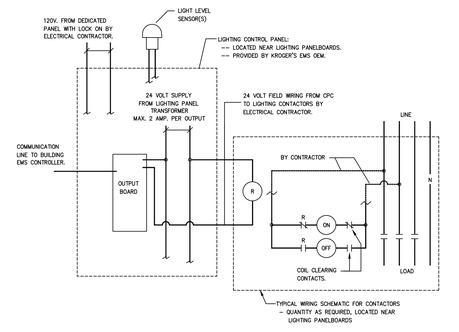
2 EINSTEIN CONTROL SYSTEM -- CONDENSER CONTROL TERMINATION — SCALE: NONE



NOTES:

-- BUILDING CONTROLLER CONTROLS LIGHTING LOADS, VIA I/O BOARD LOCATED IN THE LIGHTING CONTROL PANEL.

-- BUILDING CONTROLLER INPUTS:
+ OUTDOOR LIGHTING LEVEL SENSOR
+ INDOOR LIGHT LEVEL SENSOR (FOR SKYLIGHT STORES)

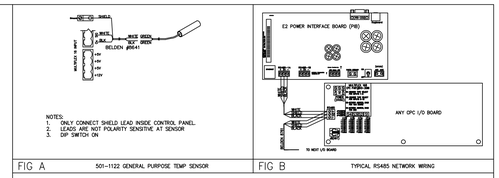
-- SEE KROGER LIGHTING TEMPLATES FOR RECOMMENDED CONTROL LOADS.

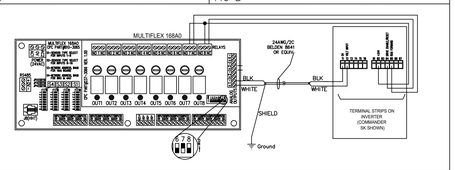
CONTROL DEVICES:

R --- * TWO WIRE CONTROL RELAY OPTION FURNISHED WITH MECHANICALLY HELD CONTACTOR, BY KROGER'S SWITCHGEAR PROVIDER.

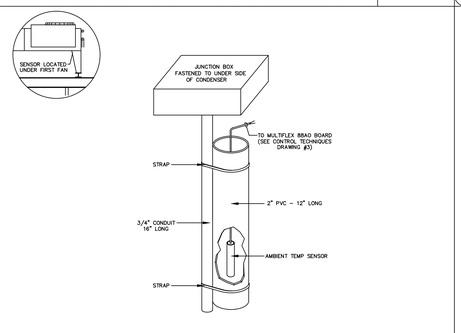
BUILDING CONTROLLER, LIGHTING PANEL, PHOTO SENSORS, CONTACTORS AND ENCLOSURES ARE FURNISHED BY KROGER.

5 EINSTEIN CONTROL SYSTEM -- MF88 LIGHTING CONTROL — SCALE: NONE

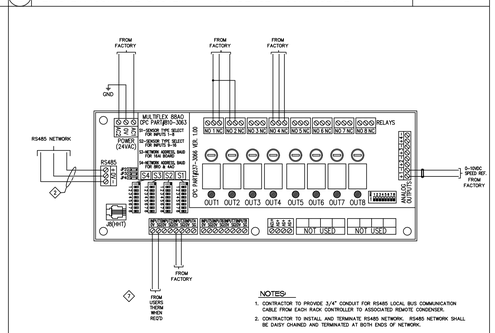




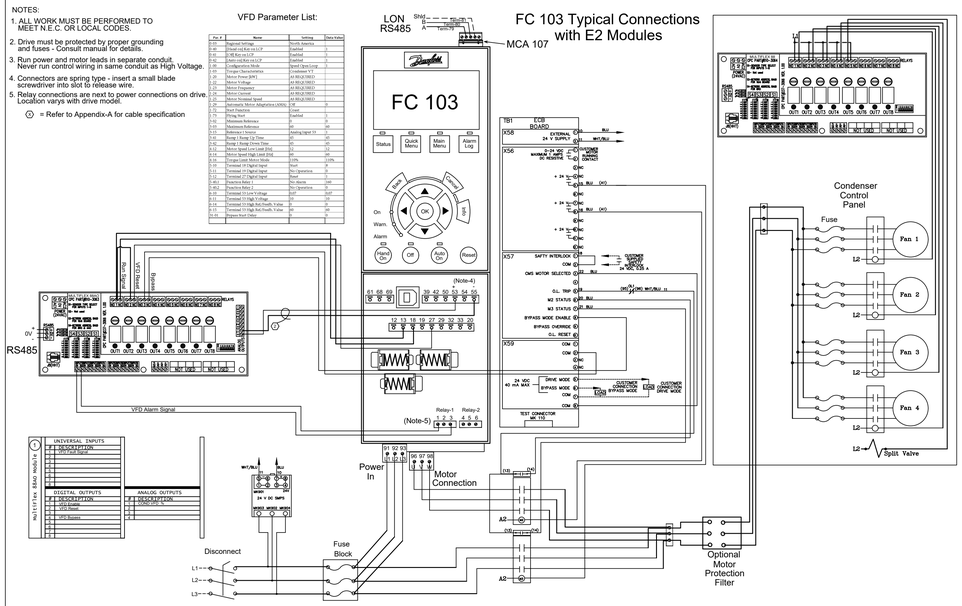
8 WIRING PRACTICES — SCALE: NONE



3 AMBIENT TEMPERATURE SENSOR DETAIL — SCALE: NONE



4 TYPICAL 88A0 WIRING AT VSD BYPASS PANEL - INSTALLED BY OEM — SCALE: NONE



Par. #	Name	Setting	Data Value
0-03	Regional Settings	North America	
0-40	[Hand on] Key on LCP	Enabled	1
0-41	[Off] Key on LCP	Enabled	1
0-42	[Auto on] Key on LCP	Enabled	1
1-00	Configuration Mode	Speed Open Loop	0
1-03	Torque Characteristics	Constant V.T.	1
1-20	Motor Power [kW]	AS REQUIRED	
1-22	Motor Voltage	AS REQUIRED	
1-23	Motor Frequency	AS REQUIRED	
1-24	Motor Current	AS REQUIRED	
1-25	Motor Nominal Speed	AS REQUIRED	
1-29	Automatic Motor Adaptation (AMA)	Off	0
1-71	Start Delay	0.0	0.0
1-73	Flying Start	Enabled	1
1-80	Function at Stop	Coast	0
1-90	Motor Thermal Protection	No protection	0
1-93	Thermistor Source	No operation	0
3-02	Minimum Reference	0.0	0.0
3-03	Maximum Reference	60.0	60.0
3-15	Reference 1 Source	Analog Input 53	1
3-41	Ramp 1 Ramp Up Time	5.0	5.0
3-42	Ramp 1 Ramp Down Time	10.0	10.0
4-12	Motor Speed Low Limit [Hz]	12.0	12.0
4-14	Motor Speed High Limit [Hz]	60.0	60.0
4-18	Current Limit	110%	110%
4-19	Max Output Frequency	60.0	60.0
5-10	Terminal 18 Digital Input	Start	8
5-11	Terminal 19 Digital Input	No Operation	0
5-12	Terminal 27 Digital Input	Coast	2
5-13	Terminal 29 Digital Input	Jog	14
5-40	Function Relay	Alarm	160
5-40	Function Relay 1	No Alarm	160
5-40	Function Relay 2	No Alarm	160
5-112	Terminal 27 Digital Output	No Operation	0
5-112	Terminal 29 Digital Output	No Operation	0
5-112	Terminal 42 Digital Output	No Operation	0
5-13	Terminal 29 High