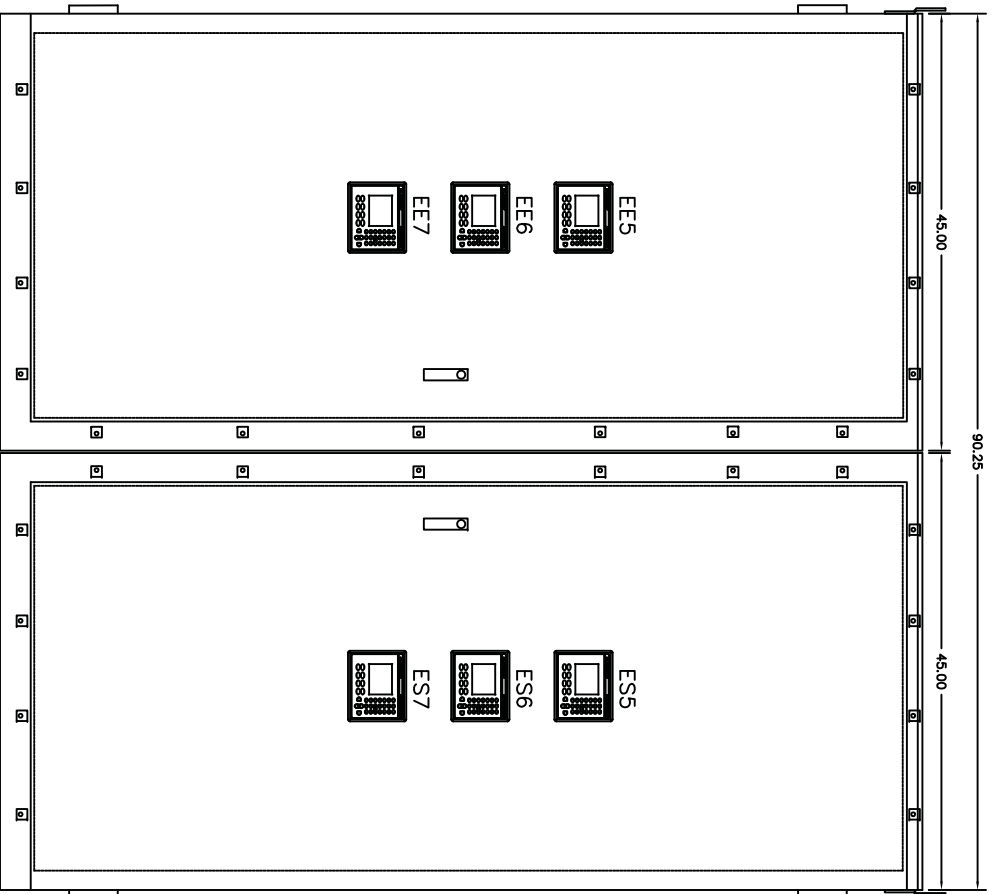


SIDE VIEW



FRONT VIEW

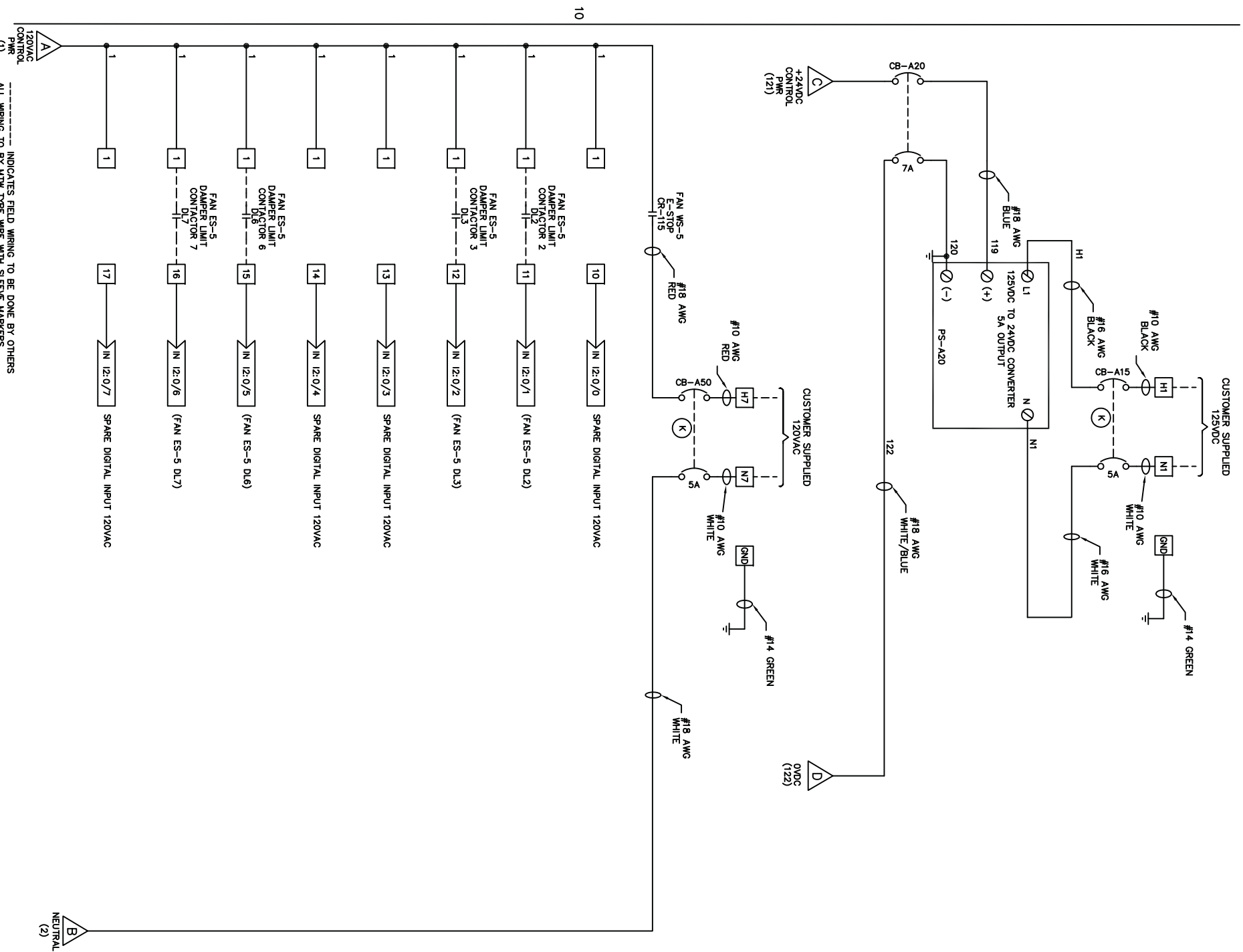
TWO SIDE BY SIDE CABINETS BOLTED TOGETHER WITH SINGLE HOLE FOR WIRE INTERCONNECTS.

PANEL LISTED UL508A, ANSI 6I GRAY TEXTURED POWDER COAT FINISH, 12 GAUGE COLD ROLLED STEEL. OVERALL CONSTRUCTION IS A TWO PANEL DESIGN. PANELS ARE TO BE BOLTED TOGETHER.

NOTE: CONTROLLER MAIN POWER SWITCH IS NOT SERVICE RATED, CUSTOMER MUST SUPPLY A SERVICE RATED DISCONNECTING MEANS IF CONNECTED TO SERVICE POWER.



DRAWN	CHECK	APPD	SCALE	SHEET 1 OF 58	



----- INDICATES FIELD WIRING TO BE DONE BY OTHERS
 ALL WIRING TO BY MTW TYPE WIRE WITH SLEEVE MARKERS

REV	DESCRIPTION	DATE	APPROVED	SIZE	DWG NO.	REV

REV	DESCRIPTION	DATE	APPROVED	SCALE	SHEET	OF

NEUTRAL (2)



120VAC
CONTROL
PWR
(1)

NEUTRAL
(2)



FAN ES-5
SPEED SWITCH
CONTACT SS1
18 (FAN ES-5 SS1)

FAN ES-5
SPEED SWITCH
CONTACT SS2
19 (FAN ES-5 SS2)

FAN ES-5
SPEED SWITCH
CONTACT SS2A
20 (FAN ES-5 SS2A)

FAN ES-5
SPEED SWITCH
CONTACT SSS3
21 (FAN ES-5 SSS3)

FAN ES-5
SPEED SWITCH
CONTACT SS3A
22 (FAN ES-5 SSS3A)

FAN ES-5
SPEED SWITCH
CONTACT SS4
23 (FAN ES-5 SS4)

FAN ES-5
SPEED SWITCH
CONTACT SS4A
24 (FAN ES-5 SS4A)

FAN ES-5
SPEED SWITCH
CONTACT SS4B
25 (FAN ES-5 SS4B)

FAN ES-5
LCB SWITCH
STOP POSITION
26 (FAN ES-5 LCB SWITCH STOP POSITION)

FAN ES-5
LCB SWITCH
LOW POSITION
27 (FAN ES-5 LCB SWITCH LOW POSITION)

FAN ES-5
LCB SWITCH
INT I POSITION
28 (FAN ES-5 LCB SWITCH INT I POSITION)

FAN ES-5
LCB SWITCH
INT II POSITION
29 (FAN ES-5 LCB SWITCH INT II POSITION)

FAN ES-5
LCB SWITCH
HIGH POSITION
30 (FAN ES-5 LCB SWITCH HIGH POSITION)

FAN ES-5
FCB SWITCH
STOP POSITION
31 (FAN ES-5 FCB SWITCH STOP POSITION)

FAN ES-5
FCB SWITCH
LOW POSITION
32 (FAN ES-5 FCB SWITCH LOW POSITION)



(NOTE 1) - TO REDUCE THE RISK OF FIRE, REPLACE ONLY WITH
- SAME TYPE AND RATING OF FUSE AS ORIGINALLY INSTALLED.



REVISIONS

REV	DESCRIPTION	DATE	APPROVED

DRAWN	SIZE	DWG NO.	REV
CHECK	SCALE	SHEET 3	OF
APPD			



120VAC
CONTROL
PWR
(1)

NEUTRAL
(2)

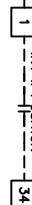


FAN ES-5
FCB SWITCH
INT I POSITION



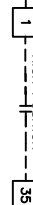
(FAN ES-5 FCB SWITCH INT I POSITION)

FAN ES-5
FCB SWITCH
INT II POSITION



(FAN ES-5 FCB SWITCH INT II POSITION)

FAN ES-5
FCB SWITCH
HIGH POSITION



(FAN ES-5 FCB SWITCH HIGH POSITION)

FAN ES-5
RESET
PB



(FAN ES-5 PLC FAULT RESET)

FAN ES-5
E-STOP
OR115



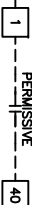
(FAN ES-5 E-STOP ROTARY SWITCH)

FAN ES-5
BEARING
TEMP
SWITCH



(FAN ES-5 BEARING TEMP SWITCH)

40 FAN ES-5
REVERSE ROTATION
PERMISSIVE



(FAN ES-5 REVERSE ROTATION PERMISSIVE)

FAN ES-5
LOB/FCB SELECTOR SWITCH
LOB
SS41



(FAN ES-5 LOB/FCB SS IN LOB POSITION)

FAN ES-5
1/H MMR



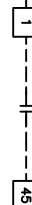
(FAN ES-5 1/H MMR TRIP)

FAN ES-5
12/L MMR



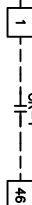
(FAN ES-5 12/L MMR TRIP)

FAN ES-5
LOW SPEED
CONTACTOR
OR-L



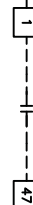
(FAN ES-5 RUNNING AT LOW SPEED)

FAN ES-5
INT I SPEED
CONTACTOR
OR-I



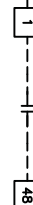
(FAN ES-5 RUNNING AT INT I SPEED)

FAN ES-5
INT II SPEED
CONTACTOR
OR-II



(FAN ES-5 RUNNING AT INT II SPEED)

FAN ES-5
HIGH SPEED
CONTACTOR
OR-H



(FAN ES-5 RUNNING AT HIGH SPEED)



120VAC
CONTROL
PWR
(1)



NEUTRAL
(2)

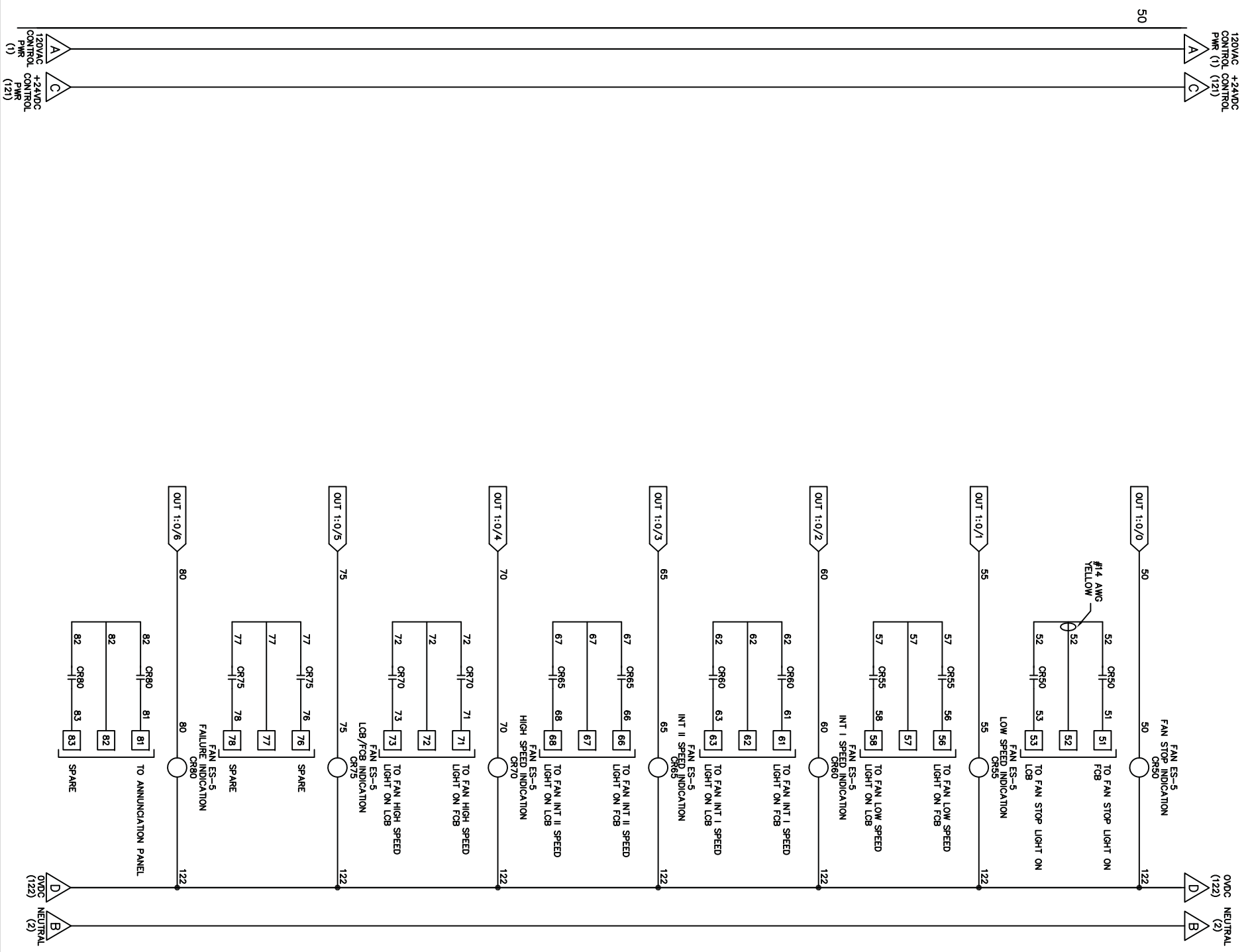
REVISIONS

REV	DESCRIPTION	DATE	APPROVED	SIZE	DWG NO.	REV



DRAWN	CHECK	SCALE	SHEET 4 OF 4
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(NOTE 1) - TO REDUCE THE RISK OF FIRE, REPLACE ONLY WITH
- SAME TYPE AND RATING OF FUSE AS ORIGINALLY INSTALLED.

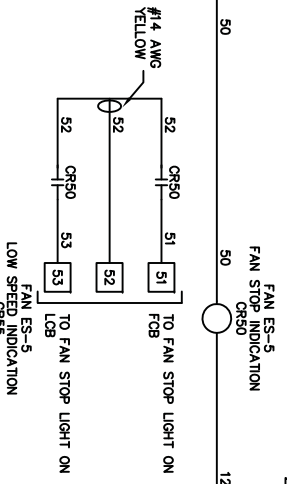


120VAC +24VDC CONTROL PMR (1) (12)

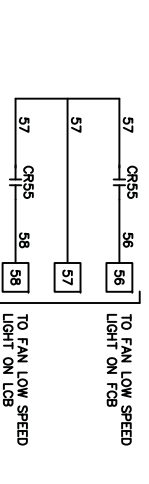
OVDC NEUTRAL (122)

50

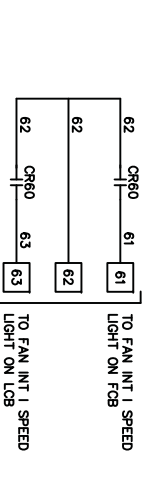
OUT 1:0/0



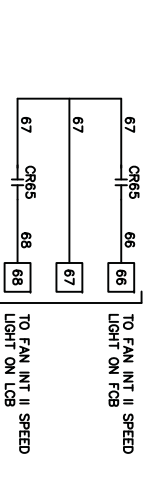
OUT 1:0/1



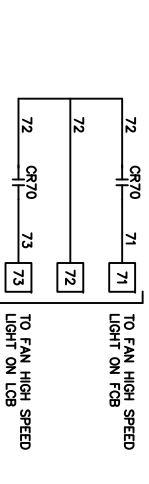
OUT 1:0/2



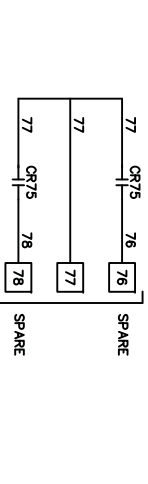
OUT 1:0/3



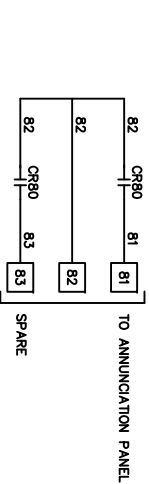
OUT 1:0/4



OUT 1:0/5



OUT 1:0/6



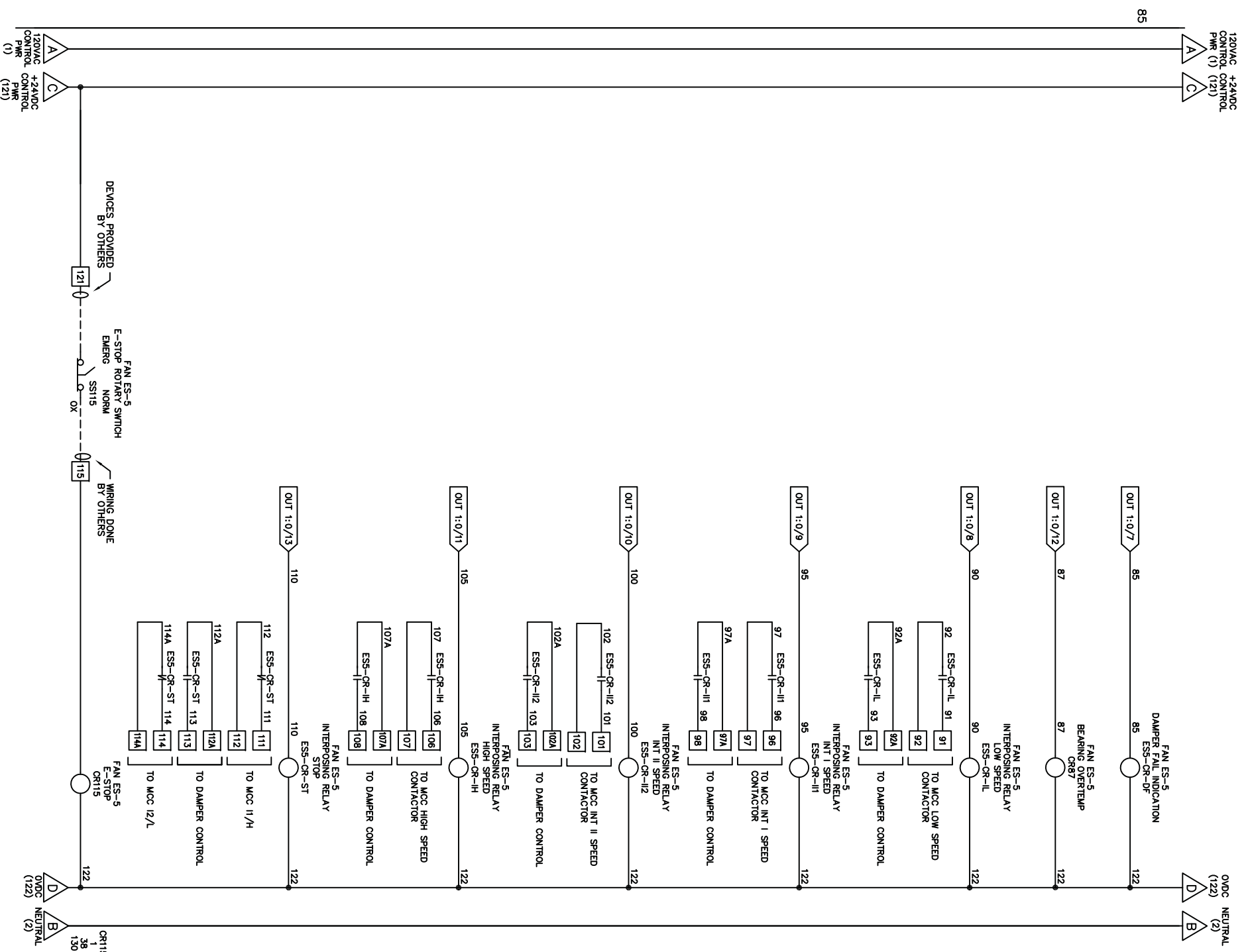
OVDC NEUTRAL (122)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED

DRAWN	SIZE	DWG NO.	REV
CHECK	SCALE	SHEET	SF
APPD			





120VAC +24VDC
CONTROL CONTROL
PMR (1) (12)

0VDC NEUTRAL
(122)
(2)

85

OUT 1:0/7

85

FAN ES-5
DAMPER FAIL INDICATION
ESS-CR-DF

122

OUT 1:0/12

87

FAN ES-5
BEARING OVERTEMP
CR87

122

OUT 1:0/8

90

FAN ES-5
INTERPOSING RELAY
LOW SPEED
ESS-CR-IL

122

OUT 1:0/9

95

FAN ES-5
INTERPOSING RELAY
INT I SPEED
ESS-CR-IL1

122

OUT 1:0/10

100

FAN ES-5
INTERPOSING RELAY
INT II SPEED
ESS-CR-IL2

122

OUT 1:0/11

105

FAN ES-5
INTERPOSING RELAY
HIGH SPEED
ESS-CR-IH

122

OUT 1:0/13

110

FAN ES-5
INTERPOSING RELAY
STOP
ESS-CR-ST

122

120VAC
CONTROL CONTROL
PMR (1)
(1)

OUT 1:0/13

110

FAN ES-5
E-STOP
EMERG
SS115

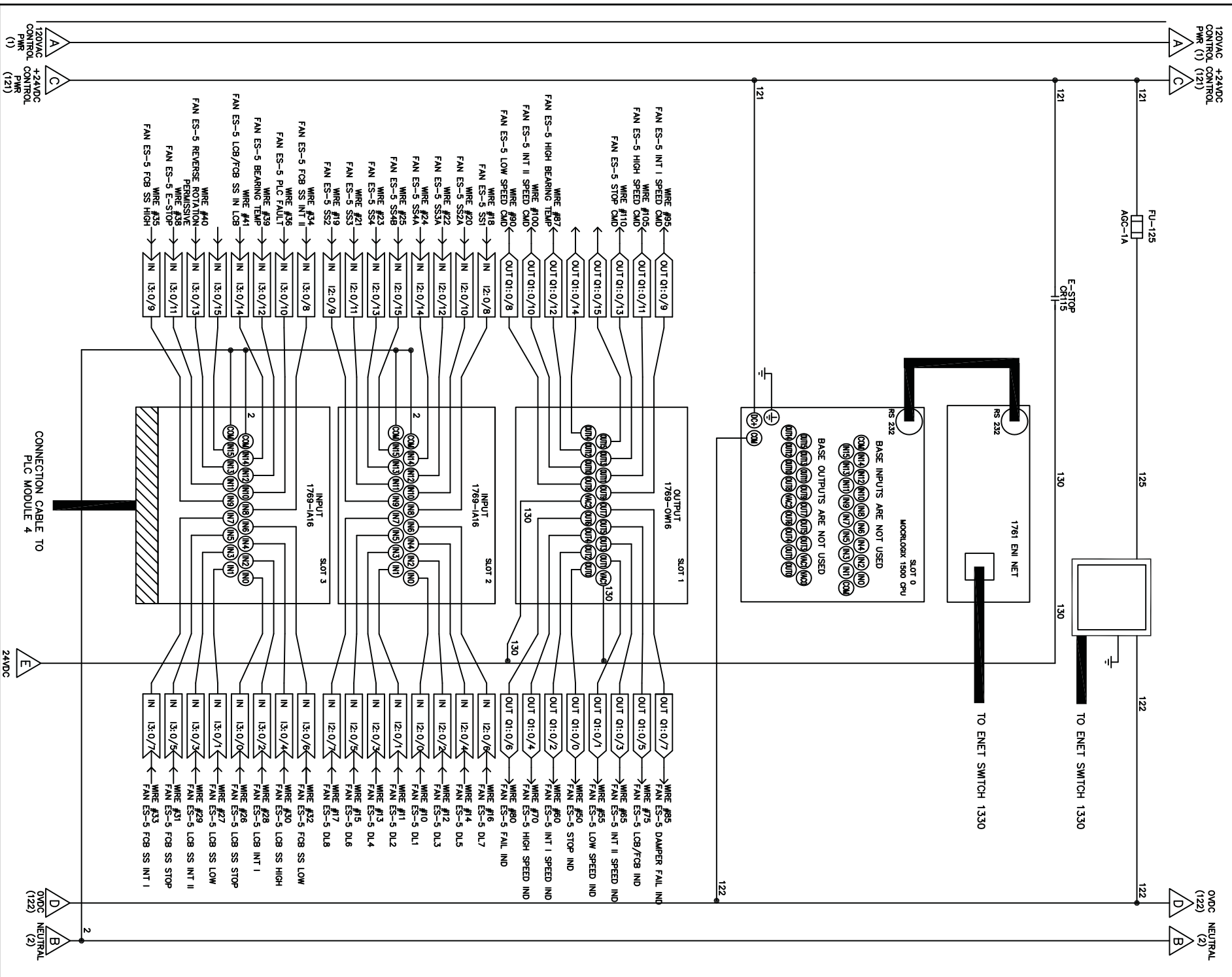
122

CR115
1
38
130

0VDC NEUTRAL
(122)
(2)

REV		DESCRIPTION		DATE		APPROVED		SCALE		SHEET		REV			
REVISIONS				DRAWN				SIZE				DWG NO.			
				CHECK				SCALE				SHEET			
				APPR											





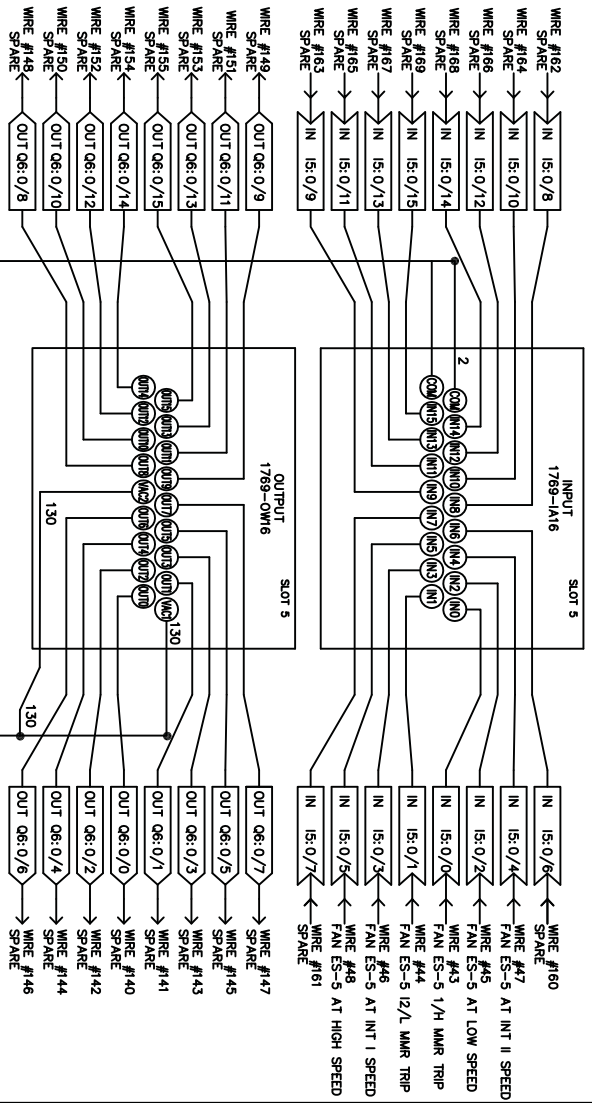
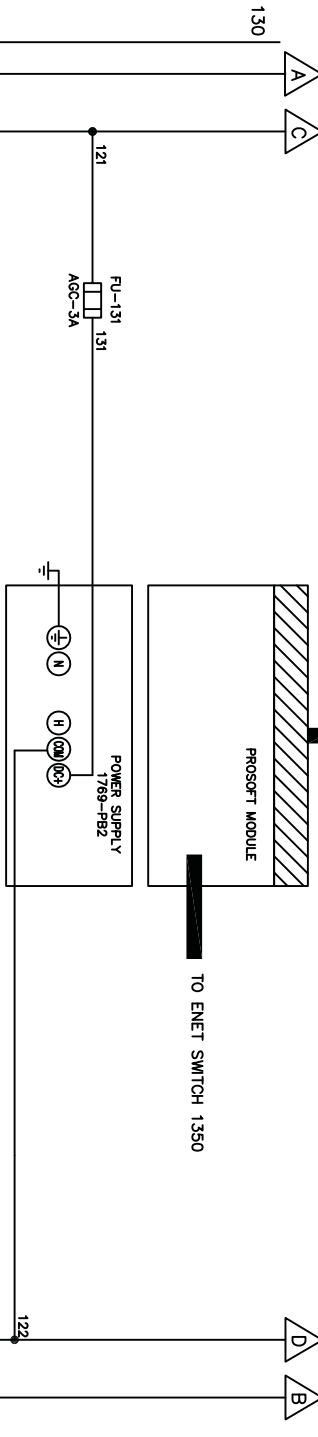
REV	DESCRIPTION	DATE	APPROVED	DRAWN	CHECK	SCALE	DWG NO.	SHEET	REV



120VAC +24VDC
CONTROL CONTROL
PMR (1) PMR (121)

CONNECTION CABLE TO
PLC MODULE 3

0VDC NEUTRAL
(122) (2)



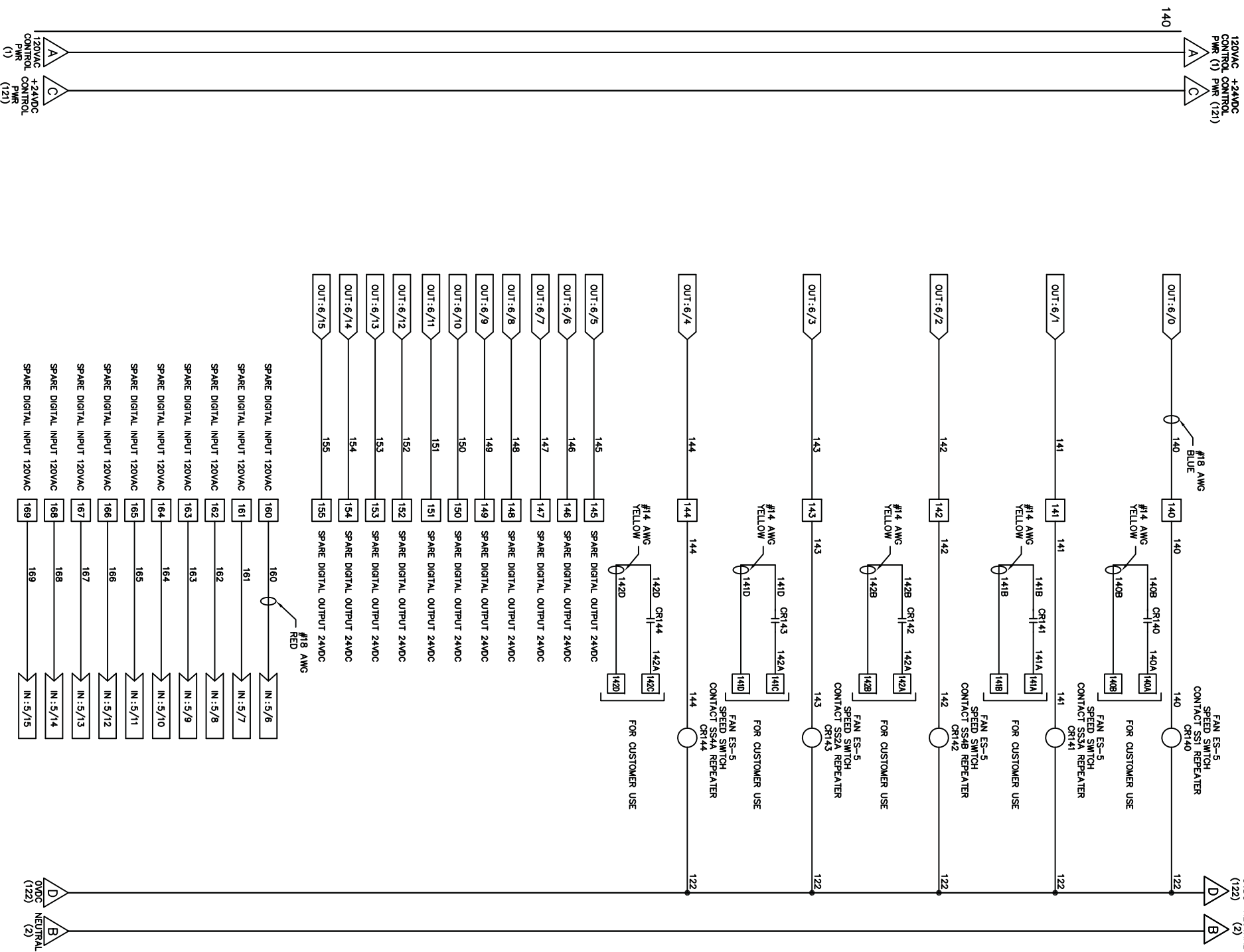
120VAC
CONTROL CONTROL
PMR (1) PMR (121)

0VDC NEUTRAL
(122) (2)

REVISIONS

REV	DESCRIPTION	DATE	APPROVED	DRAWN	CHECK	SCALE	SHEET	OF





REV	DESCRIPTION	DATE	APPROVED	SCALE	SHEET	OF

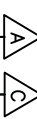
REV	DESCRIPTION	DATE	APPROVED	SCALE	SHEET	OF



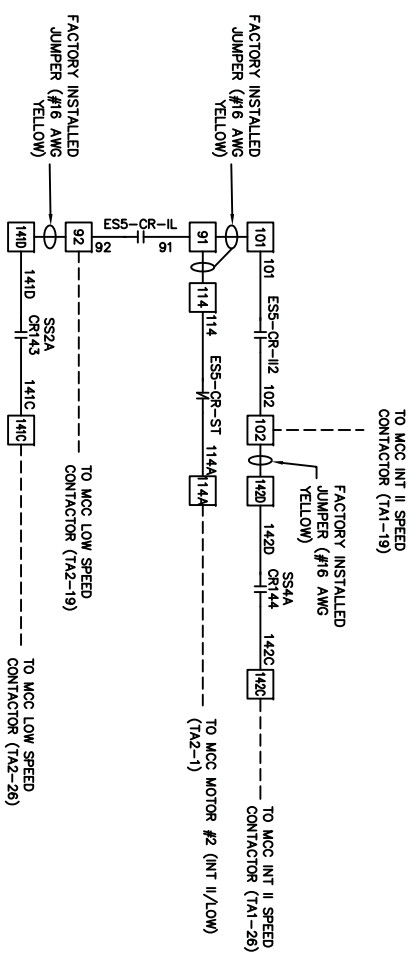
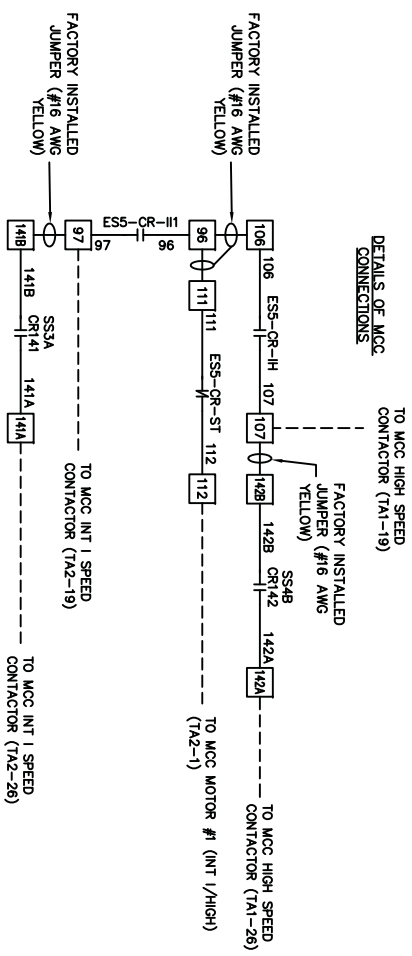
REV	DESCRIPTION	DATE	APPROVED	SCALE	SHEET	OF

OVDC NEUTRAL
(122) (2)

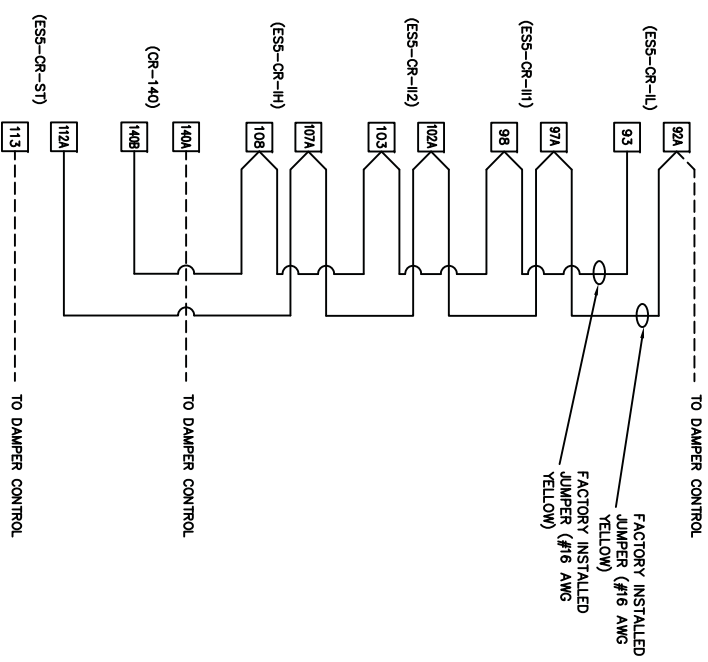
CONTROL CONTROL
PMR (1) PMR (121)



DETAILS OF MCC CONNECTIONS

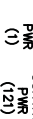


DETAILS OF DAMPER CONTROL CONNECTIONS



OVDC NEUTRAL
(122) (2)

120VAC CONTROL PMR (1)
 +24VDC CONTROL PMR (121)



REV	DESCRIPTION	DATE	APPROVED	SCALE	SHEET	10	OF



DRAWN	SIZE	DWG NO.	REV
CHECK	SCALE	SHEET	10
APPD			