

INTL REF: 7065
 NOTES:
 1) FOR A COMPLETE LIST OF DRAWINGS AND PARTS REFER TO THE TABLE OF CONTENTS AND THE BILL OF MATERIALS.
 2) GROUNDING LUG TO BE GROUNDED BY CUSTOMER PER NEC.
 3) PULL ANALOG SIGNAL WIRES AND LOW VOLTAGE DC WIRES IN METALLIC CONDUIT SEPARATE FROM POWER/LOAD WIRING.
 4) SEE ELECTRICAL DEVICE FOR ELECTRICAL RATINGS.
 5) REMOVE JUMPER FOR NON-SERVICE ENHANCE RATED ENCLOSURE. ALL WIRES ARE 16 AWG UNLESS SPECIFIED.

REV	DESCRIPTION	DATE	BY	CHKD	APPD	ECN
A	AS SUBMITTED	11/05				

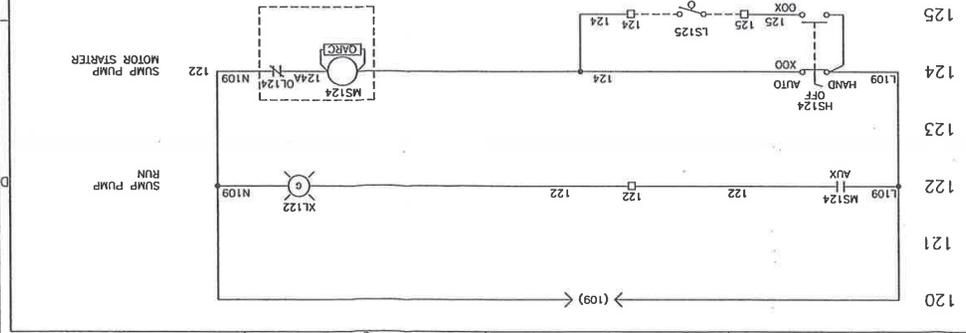
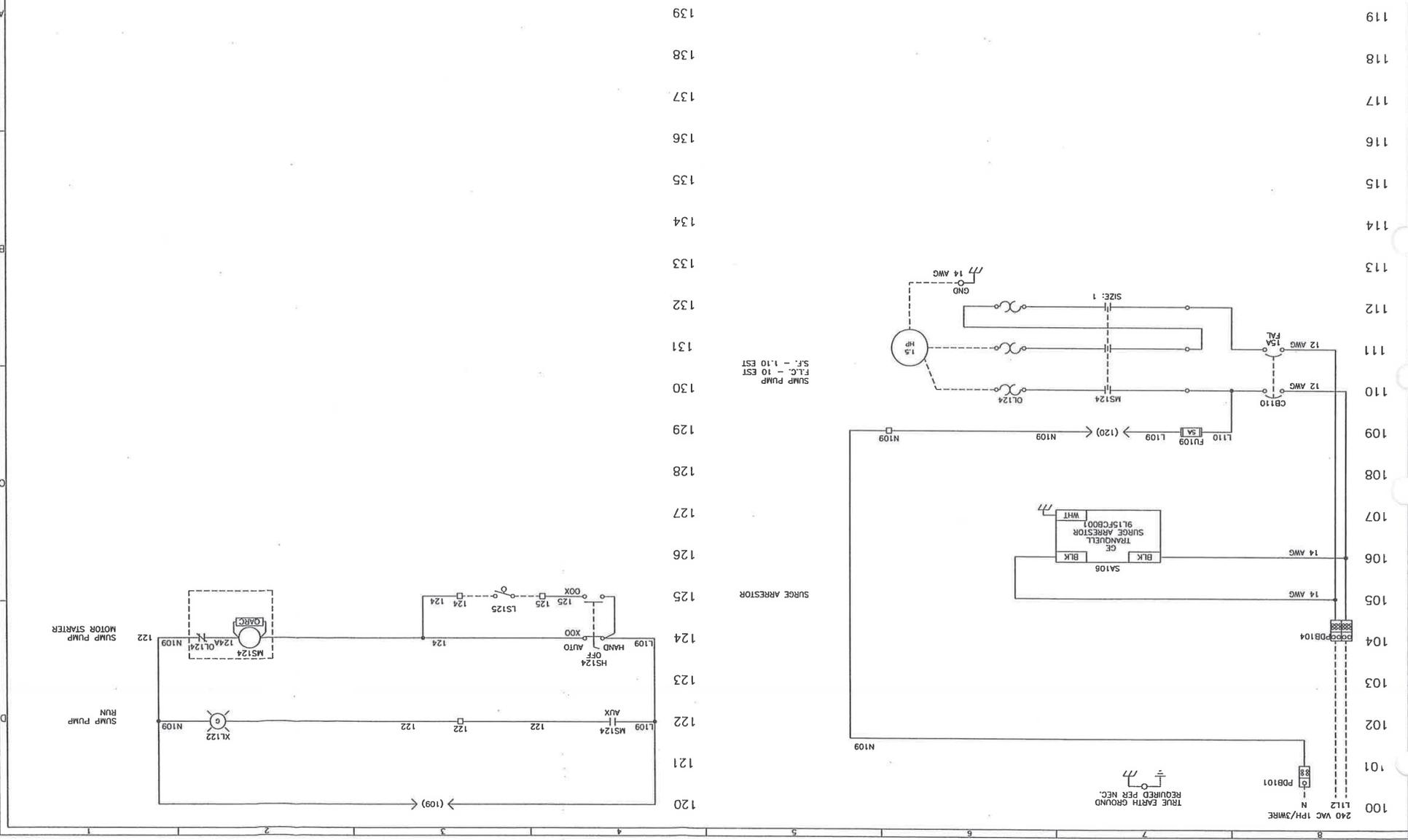
DATE	DESCRIPTION	BY	CHKD	APPD	ECN
11/05					

PROJECT	504370
DATE	005
DESIGN	E04
SHEET	1 OF 3
REV	A



USI
 USI ELECTRIC CONTROL SYSTEMS
 WAKARUSA HEIGHTS, TN
 P41 651-765-2700

CLIENT
 HARRIMAN, TN
 WEBS SUMP PUMP CONTROL
 USCS PANEL 005



119
118
117
116
115
114
113
112
111
110
109
108
107
106
105
104
103
102
101
100

1
2
3
4
5
6
7
8

NOTES:
 1) FOR A COMPLETE LIST OF DRAWINGS AND PARTS REFER TO THE TABLE OF CONTENTS AND THE BILL OF MATERIALS.
 2) GROUNDING LUG TO BE GROUNDED BY CUSTOMER PER NEC.
 3) PULL ANALOG SIGNAL WIRES ARE LOW VOLTAGE DC WIRES IN METALLIC CONDUIT SEPARATE FROM POWER/LOAD WIRES.
 4) SEE ELECTRICAL DEVICE FOR ELECTRICAL RATINGS.
 5) REMOVE JUMPER FOR NON-SERVICE ENTRANCE RATED ENCLOSURE. ALL WIRES ARE 16 AWG UNLESS SPECIFIED.
 WIR. REF: 2065

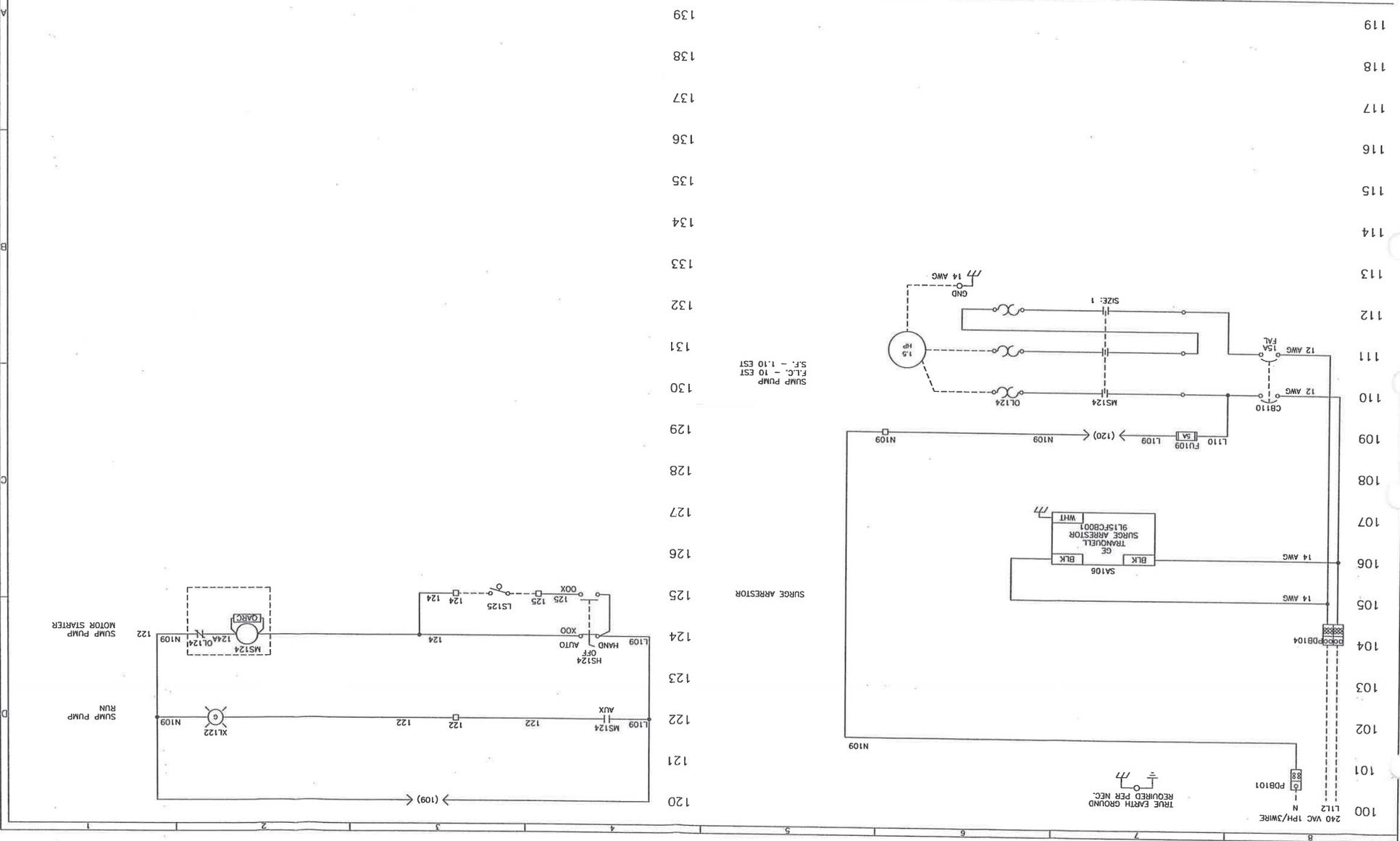
BAR = 1" AT FOOT SCALE

REV	DESCRIPTION	DATE	DWG	CHKD	APPD	EN
A	AS SUBMITTED	11/05				

DATE	DESIGNER	DATE	CHKD	APPD	EN
11/05	JAC	11/05			
11/05	WMC	11/05			
11/05	WMC	11/05			
11/05	WMC	11/05			

PROJECT NO: 504370
 DRAWING NO: 006
 SHEET NO: 1 OF 3
 DATE: E04

CLIENT: HARRIMAN, TN
 TITLE: POWER PACK INCOMING POWER
 WOODY PUMP CONTROL
 USFCs PANEL 006

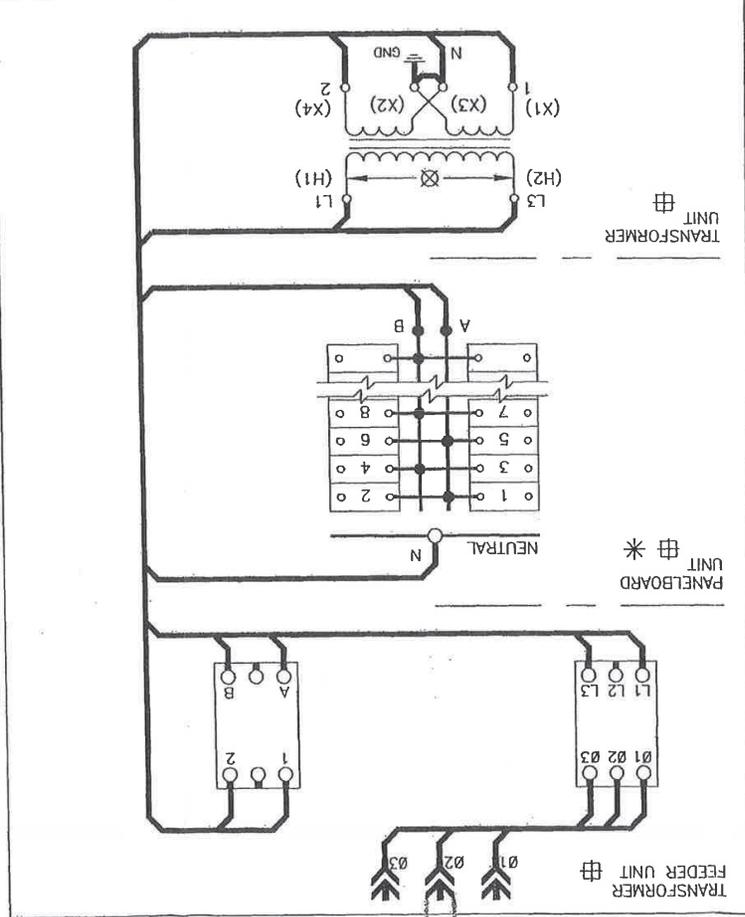
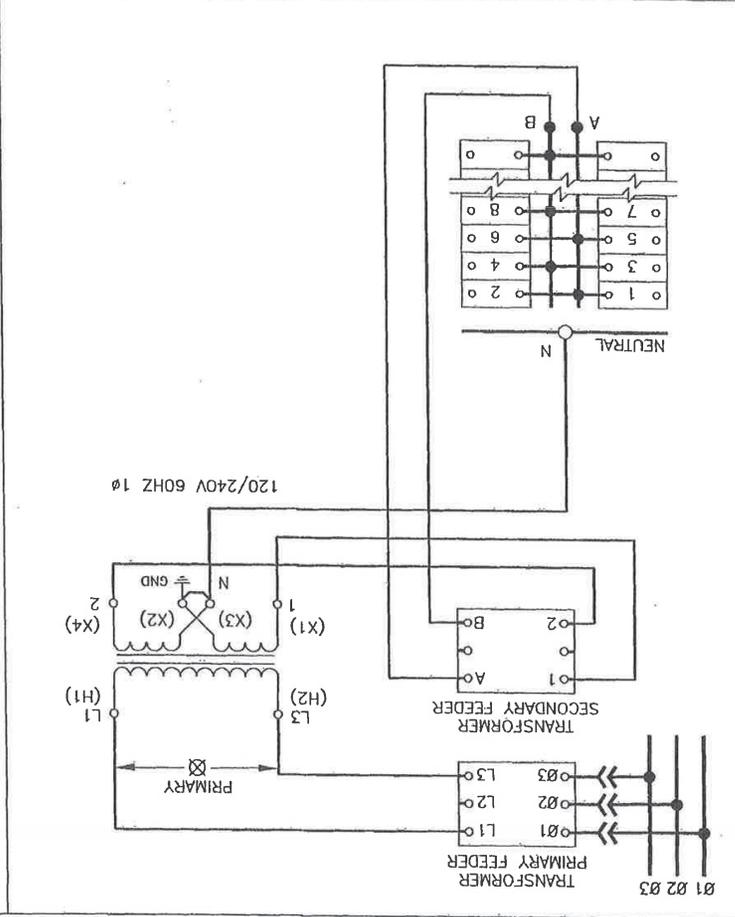


A
B
C
D

119
118
117
116
115
114
113
112
111
110
109
108
107
106
105
104
103
102
101
100

MOTOR CONTROL CENTER STANDARD UNIT WIRING DIAGRAM
 1 PHASE 3 WIRE PANELBOARD, 1-TRANSFORMER, CIRCUIT BREAKER OR SWITCH & FUSE
 ⊕ -SEE UNIT SPECIFICATION FORM FOR UNIT ARRANGEMENT
 * -SEE PANELBOARD LAYOUT FORM FOR BREAKER ARRANGEMENT
 ☒ -PRIMARY AND SECONDARY WIRED PER TRANSFORMER NAMEPLATE

REV E
 DRAWING NUMBER 5599A81 CC
 Cutler-Hammer
 MCC ASSEMBLY PLANT
 FAYETTEVILLE, NC

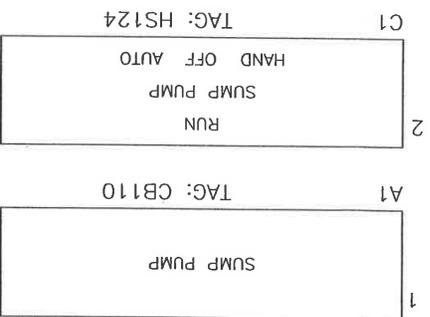
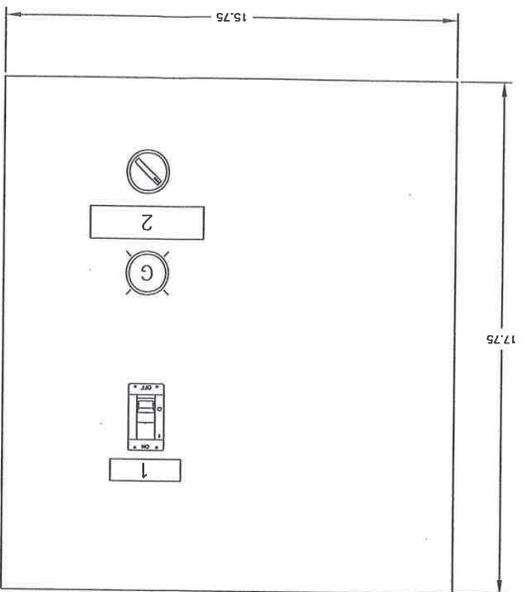


REV	DESCRIPTION	DATE	BY	CHKD	APPD	CON
A	AS SUBMITTED	11/03	DMM	JVE	DMM	

DATE	DESCRIPTION	DATE	DESCRIPTION
11/03	ENCLOSURE AND BACK PANEL LAYOUT	11/03	USFCs PANEL 006

PROJECT NO.	504370
CODE	006
DATE	E02
SHEET	3 OF 3
REV	A

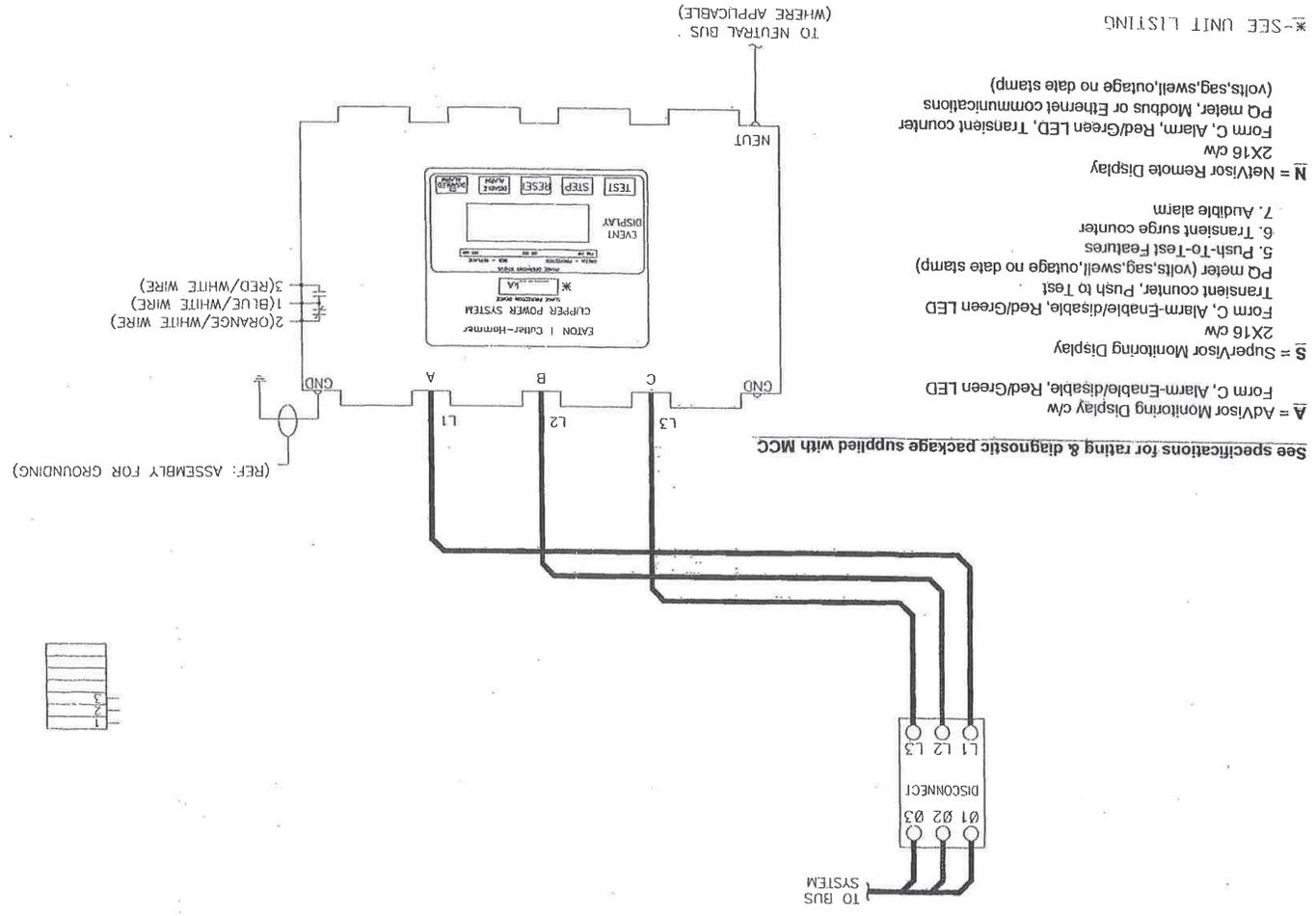
US Filter
US FILTER CONTROL SYSTEMS
WADSWORTH HEIGHTS, MN
PH. 651-766-2700



WOODY SUMP PUMP PANEL
SERIAL NO.: 504370 PROD. CODE:
JOB NAME: HARRIMAN, TN
VOLTS: 240 HERTZ: 60 PHASE: 1 WIRE: 3
MAX. F.L.C.: LARG. MTR.: 1.5 H.P. F.L.C.
DRAWING NO.: 504370-006 PRESSURE: N/A

INNER DOOR SPECIFICATIONS	MANUFACTURER	USF
SZE	17.75 H X 15.75 W	
FINISH	ALUMINUM	

REVISION	FEDERAL ID NO		CF	REVISION	5	DWG SIZE	A	G.O.	281475	SHEET	1 OF 1
	WHICH IT IS SUPPLIED FOR THE PURPOSE IN AND IS ONLY TO BE USED DISCLOSED IN CONFIDENCE CUTLER-HAMMER. IT IS DOCUMENT IS CREATED BY		PRODUCT CODE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
	THE INFORMATION ON THIS DOCUMENT IS CREATED BY		DTR	11/12/02	Eaton	Cutler-Hammer	FAYETTEVILLE, NC	TITLE	TVSS WITH DISCONNECT	WIRING DIAGRAM	

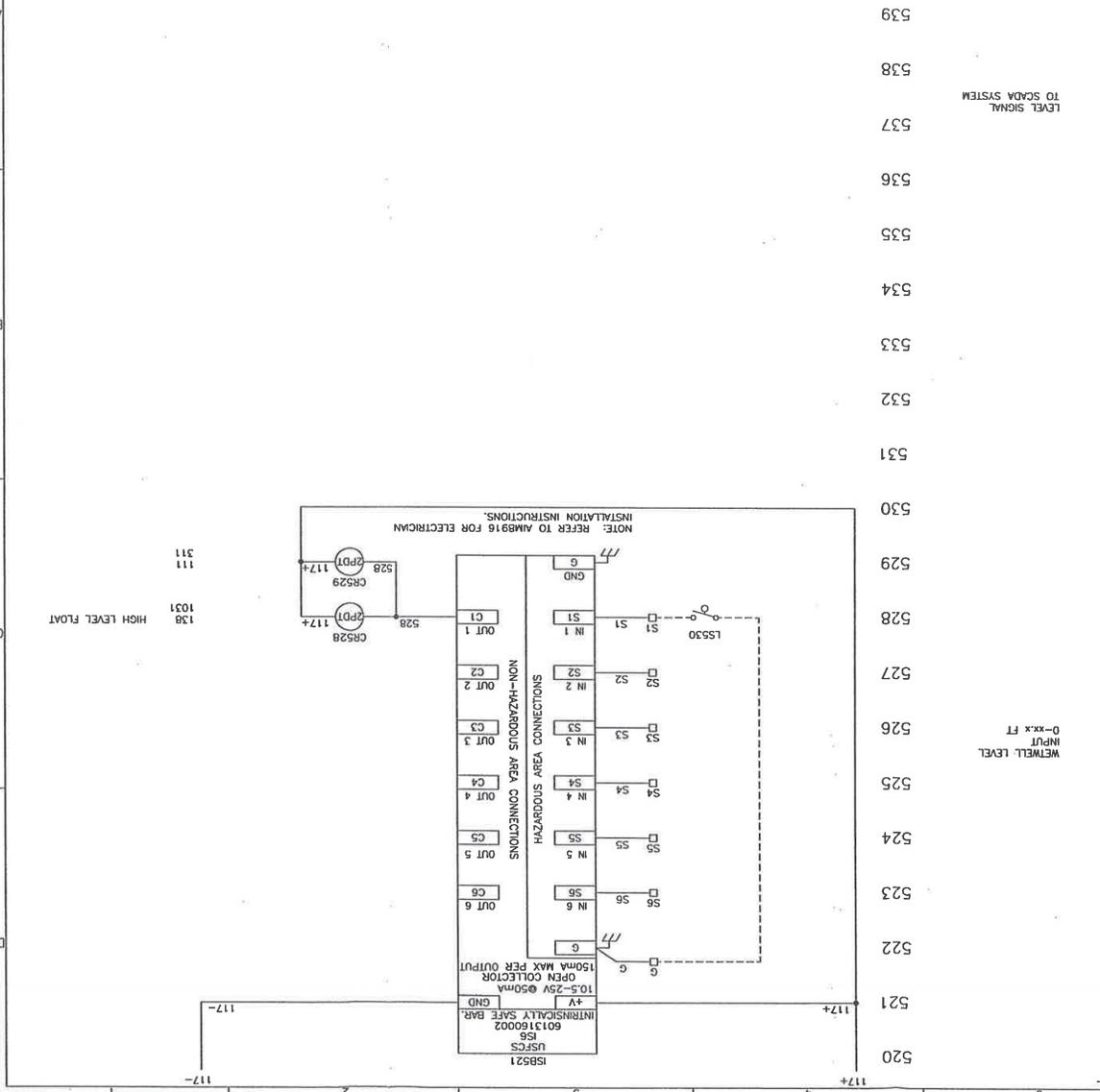
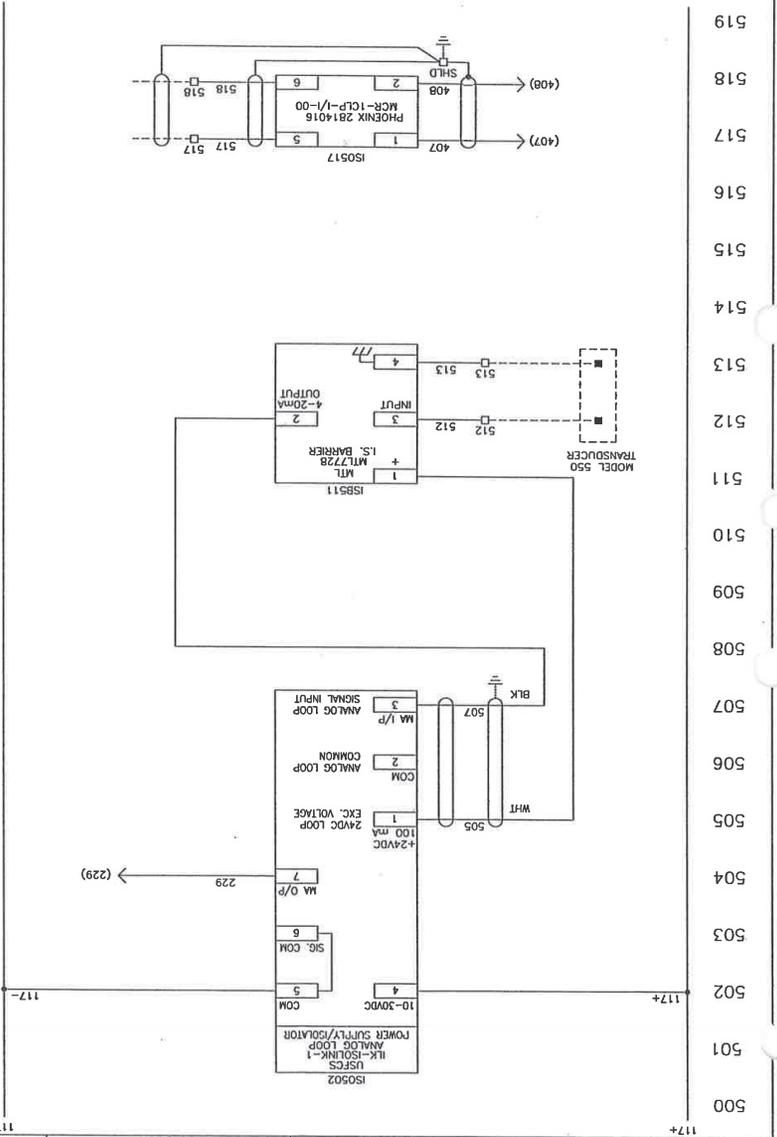


INTL REF: 7059	BAR = 1" AT PLOT SCALE
----------------	------------------------

REV	DESCRIPTION	DATE	BY	CHKD	APP'D	CON
A	AS SUBMITTED	11/05				

SCALE	PROJECT	504370	002	E04	5 OF 12	A
11/05	US FILTER CONTROL SYSTEMS	WANNAS HEIGHTS, TN	HARRIMAN, TN	USFCFS PANEL 002	WEBB PUMP STATION	INTRINSICALLY SAFE BARRIER

USFCFS
5013160002
INTRINSICALLY SAFE BAR.
156
10.5-25V @50mA
OPEN COLLECTOR
150mA MAX PER OUTPUT



138 HIGH LEVEL FLOAT
1031
311

NO.	DATE	BY	CHKD	APPD	REV	DESCRIPTION
1	11/05	DMH	JTC	DMH	A	AS SUBMITTED

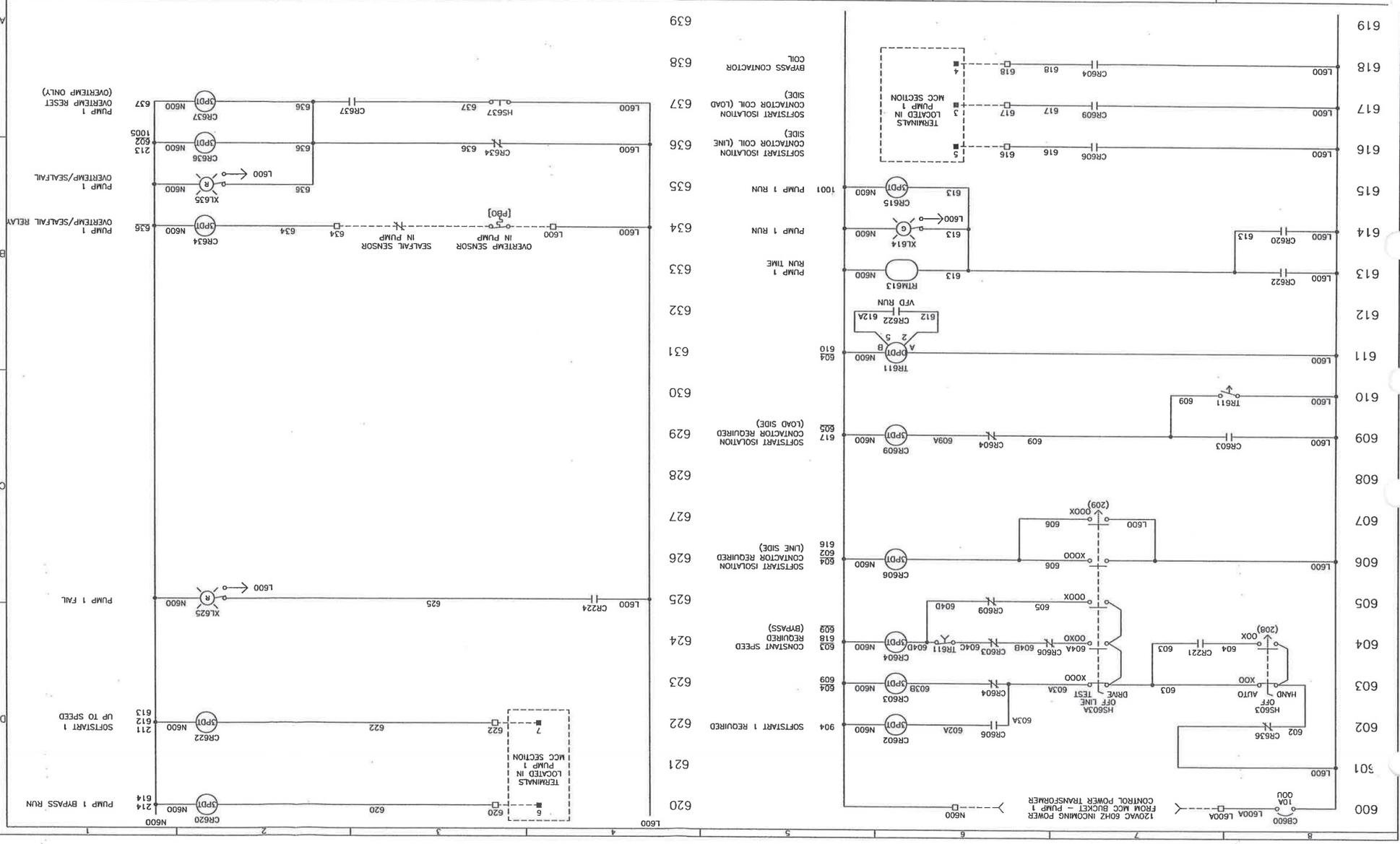
NO.	DATE	BY	CHKD	APPD	REV	DESCRIPTION
1	11/05	DMH	JTC	DMH	A	AS SUBMITTED

NO.	DATE	BY	CHKD	APPD	REV	DESCRIPTION
1	11/05	DMH	JTC	DMH	A	AS SUBMITTED

NO.	DATE	BY	CHKD	APPD	REV	DESCRIPTION
1	11/05	DMH	JTC	DMH	A	AS SUBMITTED

NO.	DATE	BY	CHKD	APPD	REV	DESCRIPTION
1	11/05	DMH	JTC	DMH	A	AS SUBMITTED

NO.	DATE	BY	CHKD	APPD	REV	DESCRIPTION
1	11/05	DMH	JTC	DMH	A	AS SUBMITTED



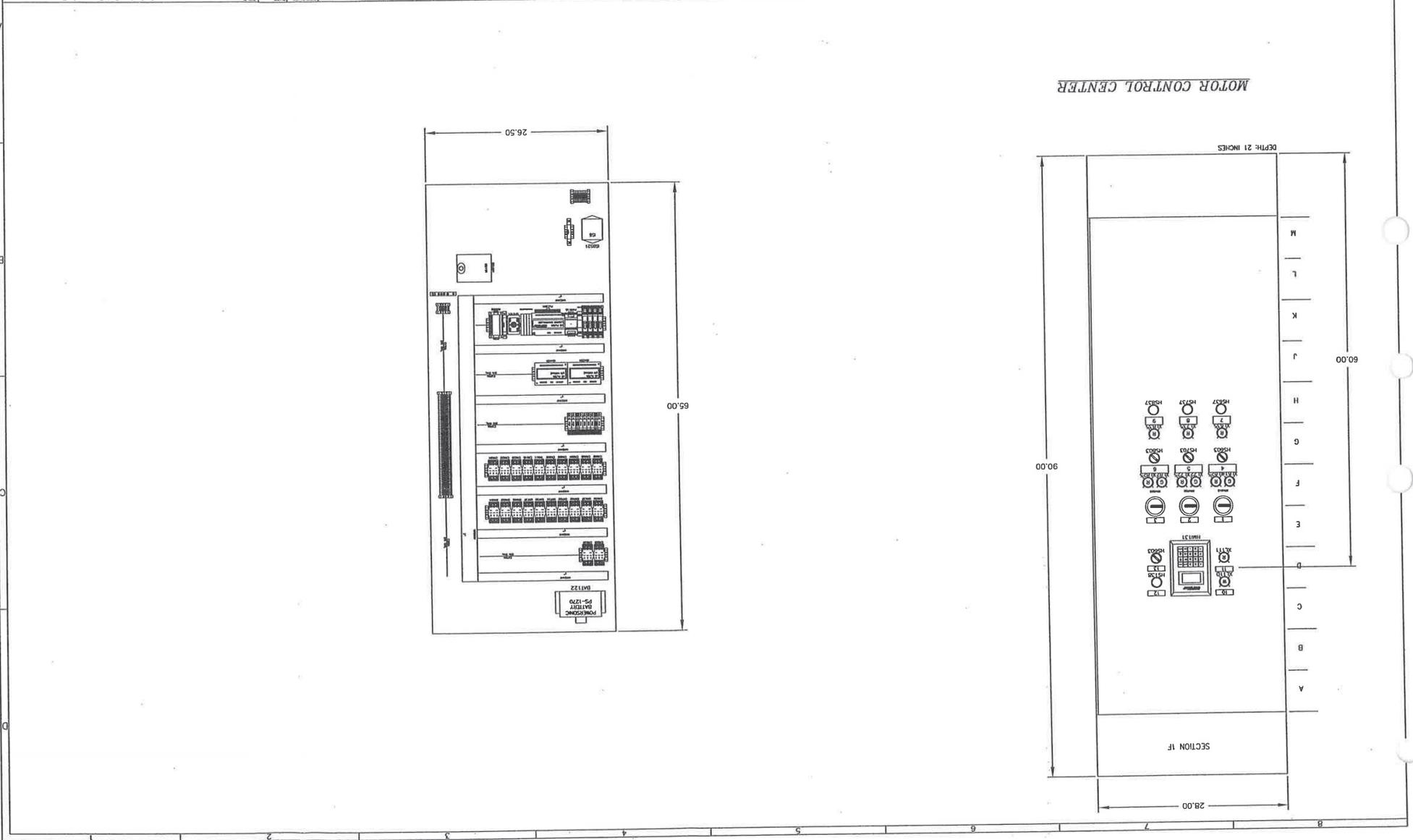
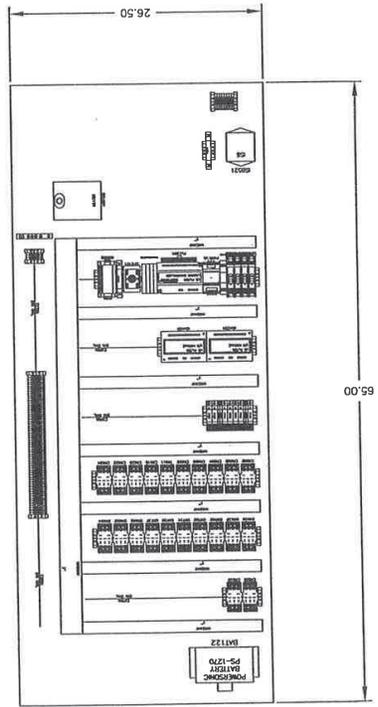
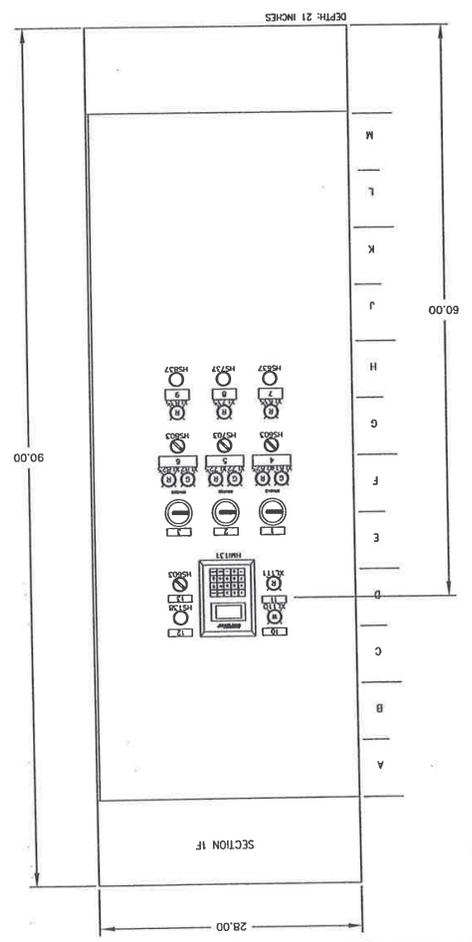
NO.	DATE	BY	CHKD	APPD	REV	DESCRIPTION
1	11/05	DMH	JTC	DMH	A	AS SUBMITTED

REV	DESCRIPTION	DATE	BY	CHKD	APP'D	ECH
A	AS SUBMITTED	11/78	DMA	JVE	DMA	

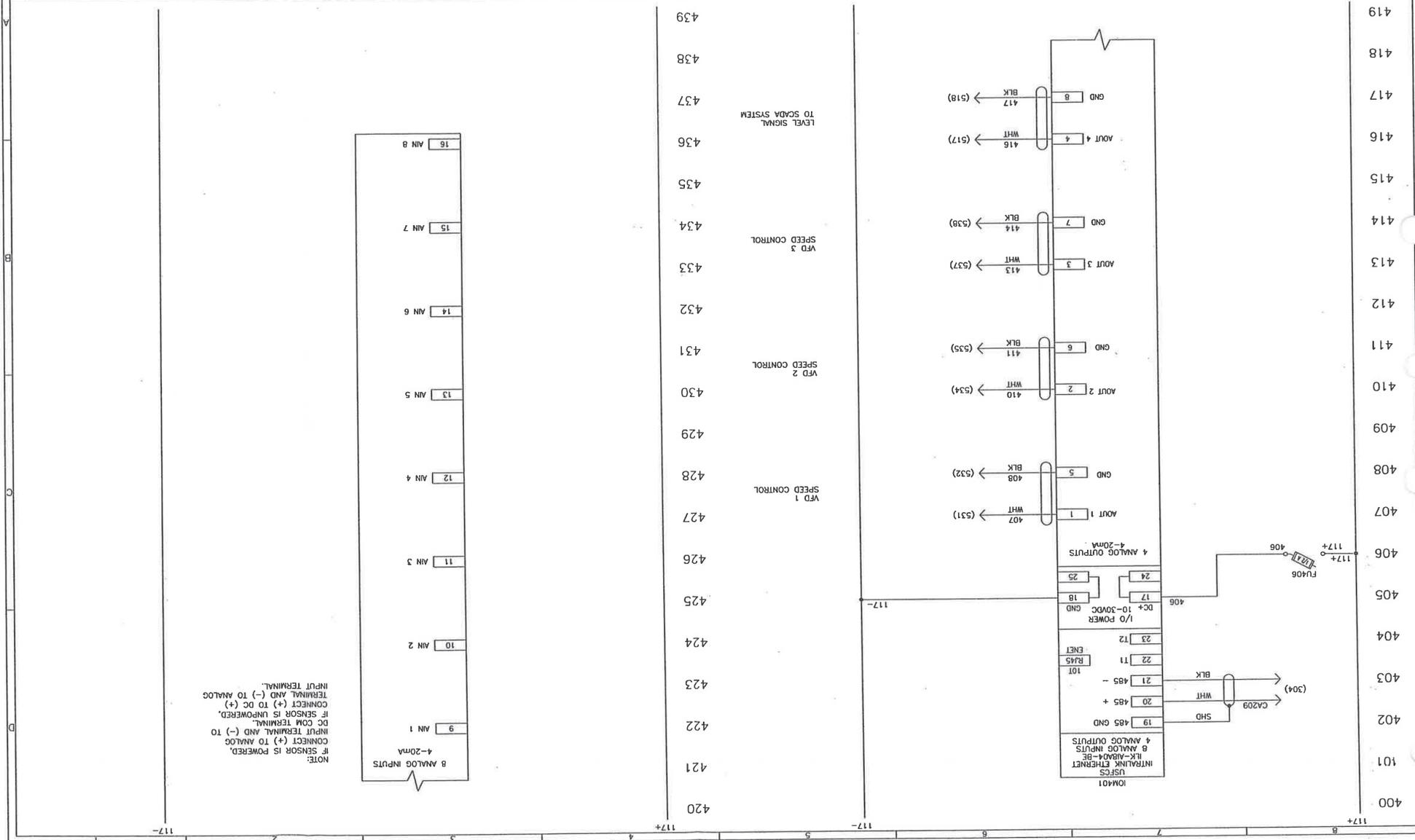
DESCRIPTION	DATE	BY	CHKD	APP'D	ECH
11. APPROXIMATE CONTOUR OF THE BACKMOUNT					
10. THE POSITION OF THE CONTROL PANEL FOR THE					
9. APPROXIMATE CONTOUR OF THE CONTROL PANEL					
8. APPROXIMATE CONTOUR OF THE CONTROL PANEL					
7. APPROXIMATE CONTOUR OF THE CONTROL PANEL					
6. APPROXIMATE CONTOUR OF THE CONTROL PANEL					
5. APPROXIMATE CONTOUR OF THE CONTROL PANEL					
4. APPROXIMATE CONTOUR OF THE CONTROL PANEL					
3. APPROXIMATE CONTOUR OF THE CONTROL PANEL					
2. APPROXIMATE CONTOUR OF THE CONTROL PANEL					
1. APPROXIMATE CONTOUR OF THE CONTROL PANEL					

PROJECT	504370
SCALE	AS SHOWN
DATE	11/78
BY	DMA
CHKD	JVE
APP'D	DMA
ECH	
DESCRIPTION	US FILTER CONTROL SYSTEMS
MANUFACTURER	US FILTER CONTROL SYSTEMS
DATE	11/78
BY	DMA
CHKD	JVE
APP'D	DMA
ECH	
DESCRIPTION	US FILTER CONTROL SYSTEMS
MANUFACTURER	US FILTER CONTROL SYSTEMS
DATE	11/78
BY	DMA
CHKD	JVE
APP'D	DMA
ECH	
DESCRIPTION	US FILTER CONTROL SYSTEMS
MANUFACTURER	US FILTER CONTROL SYSTEMS
DATE	11/78
BY	DMA
CHKD	JVE
APP'D	DMA
ECH	

MOTOR CONTROL CENTER



SIB-3-0200-24X3601		INTL REFS: 7053		BAR - 1" AT 101 SCALE		REVISION		DATE		DWN		CHG		APP		CON	
REV		A		AS SUBMITTED				11/78		DAM		JVC		DAN		JVC	
DESIGNED BY		DATE		CHECKED BY		DATE		11/78		DAM		JVC		DAN		JVC	
USFCS INTRANK ETHERNET RK-485-DE 4 ANALOG INPUTS		DATE		CHECKED BY		DATE		11/78		DAM		JVC		DAN		JVC	
USFCS PANEL 003 WOODY STREET PUMP STATION		DATE		CHECKED BY		DATE		11/78		DAM		JVC		DAN		JVC	
CLIENT		DATE		CHECKED BY		DATE		11/78		DAM		JVC		DAN		JVC	
HARRIMAN, TN		DATE		CHECKED BY		DATE		11/78		DAM		JVC		DAN		JVC	
USFCS CONTROL SYSTEMS WADSWORTH HECHTS, MN PH. 651-766-2700		DATE		CHECKED BY		DATE		11/78		DAM		JVC		DAN		JVC	
PROJECT		CODE		SHEET		4 OF 12		A		E04		E04		E04		E04	
504370		003		003		003		003		003		003		003		003	



REV	DATE	BY	CHKD	APPD	DESCRIPTION
A	11/78	DM	JAC	DM	AS SUBMITTED

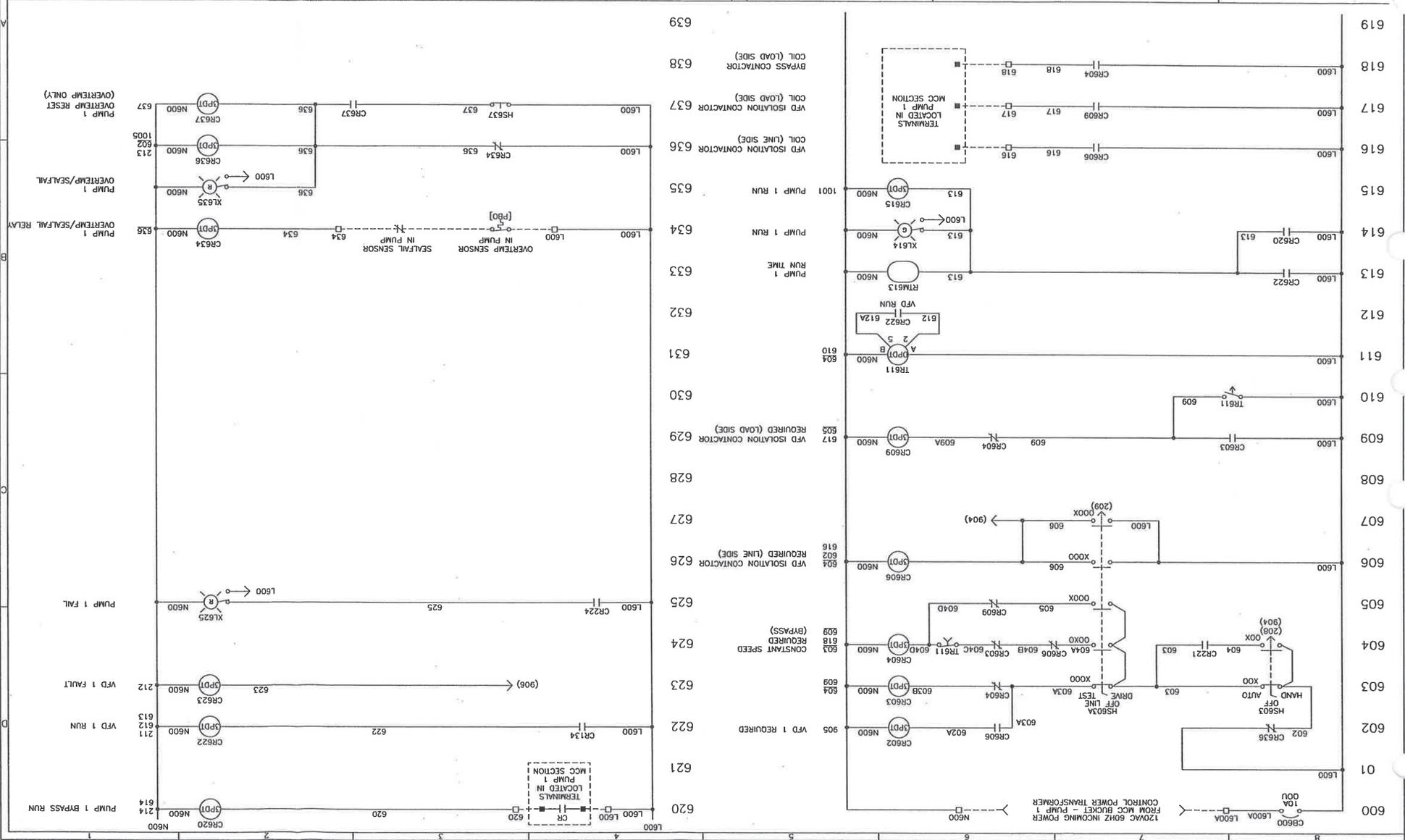
NO.	DATE	BY	CHKD	APPD	DESCRIPTION
1	11/78	DM	JAC	DM	AS SUBMITTED

NO.	DATE	BY	CHKD	APPD	DESCRIPTION
1	11/78	DM	JAC	DM	AS SUBMITTED

NO.	DATE	BY	CHKD	APPD	DESCRIPTION
1	11/78	DM	JAC	DM	AS SUBMITTED

NO.	DATE	BY	CHKD	APPD	DESCRIPTION
1	11/78	DM	JAC	DM	AS SUBMITTED

NO.	DATE	BY	CHKD	APPD	DESCRIPTION
1	11/78	DM	JAC	DM	AS SUBMITTED

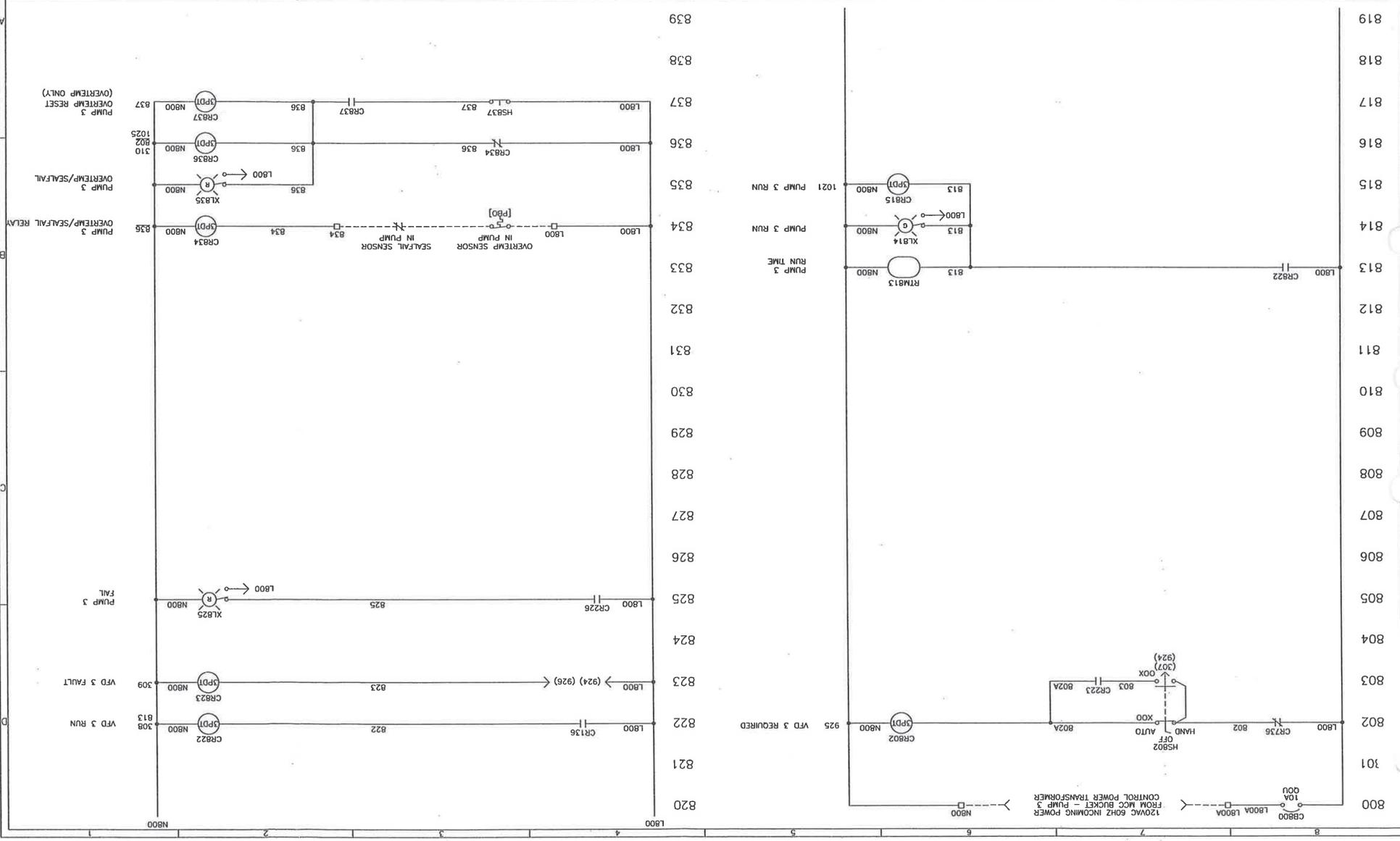


NO.	DATE	BY	CHKD	APPD	DESCRIPTION
1	11/78	DM	JAC	DM	AS SUBMITTED

REV	DESCRIPTION	DATE	BY	CHKD	APPD	ECN
AS	SUBMITTED	11/28	DMA	JFC	DMA	

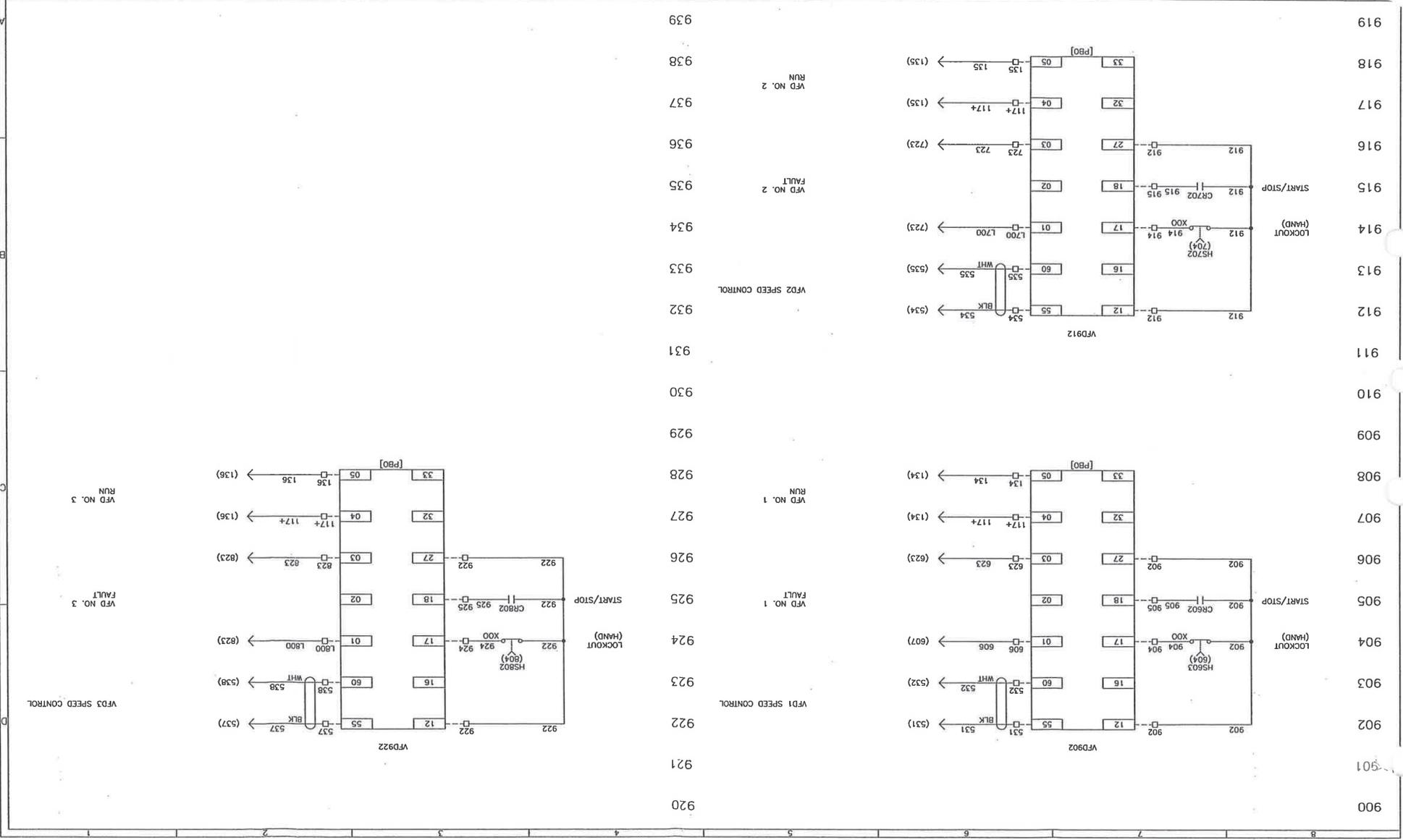
REVISIONS TO THIS DRAWING AND CONNECTIONS TO BE MADE BY THE CONTRACTOR SHALL BE INDICATED BY A CIRCLED NUMBER AND A LETTER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONNECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY MATERIALS AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LABORERS AND SUBCONTRACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TOOLS AND EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TRANSPORTATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SUPPLIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY ASSISTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SUPPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY HELP. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY AID. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY ASSISTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SUPPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY HELP. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY AID.

DESIGNED BY: USMETER
 PROJECT: 504370
 SHEET: 3 OF 12
 DATE: 11/28
 DRAWN BY: DMA
 CHECKED BY: JFC
 APPROVED BY: DMA
 PROJECT: 504370
 SHEET: 3 OF 12
 DATE: 11/28
 DRAWN BY: DMA
 CHECKED BY: JFC
 APPROVED BY: DMA



USMETER
 10000 WOODMAN BLVD
 MEMPHIS, TN 38117
 TEL: 901-505-4444
 FAX: 901-505-4444
 WWW.USMETER.COM

SHEET 9 OF 12		E04		PROJECT 504370		CODE 003		SCALE		DATE 11/78		REV A		DESCRIPTION		INTL. REF: 7053		SIC: 3-0200-2425601	
US FILTER CONTROL SYSTEMS		HARRISMAN, TN		WOODY STREET PUMP STATION		USFC PANEL 003		VFD CONNECTIONS		DATE 11/78		DATE 11/78		DATE 11/78		DATE 11/78		DATE 11/78	
MANAGER		CHECKER		DRAWN		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	

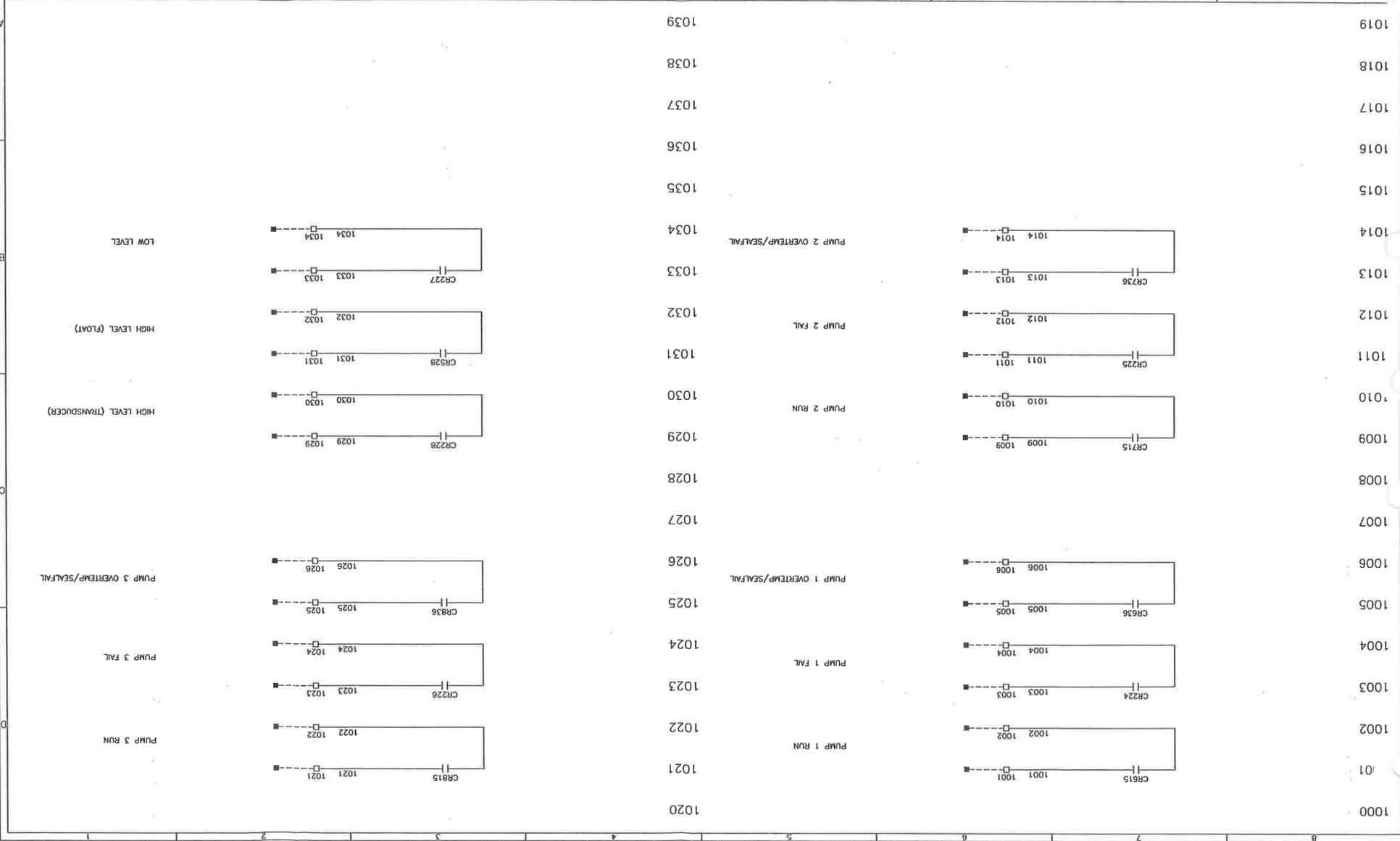


REV	DESCRIPTION	DATE	BY	CHKD	APP'D	ECN
A	AS SUBMITTED	11/28	DAM	MC	DAM	

SCALE	PROJECT	NO.	DATE	BY	CHKD	APP'D	ECN
1/4" = 1'-0"	504370	003	11/28	DAM	MC	DAM	

US Filter Control Systems
 155 FILTER CONTROL SYSTEMS
 WADSWORTH HEIGHTS, TN
 PH. 615-766-2700

CUSTOMER CONNECTIONS
 WOODY STREET PUMP STATION
 USFCS PANEL 003
 HARRISMAN, TN



REV	DESCRIPTION	DATE	BY	CHKD	APPD	ECH
A	AS SUBMITTED	11/78	DMW	JVE	DMW	

DATE	DESCRIPTION
11/78	DESIGN
11/78	PERMIT
11/78	CONSTRUCTION
11/78	COMMISSIONING

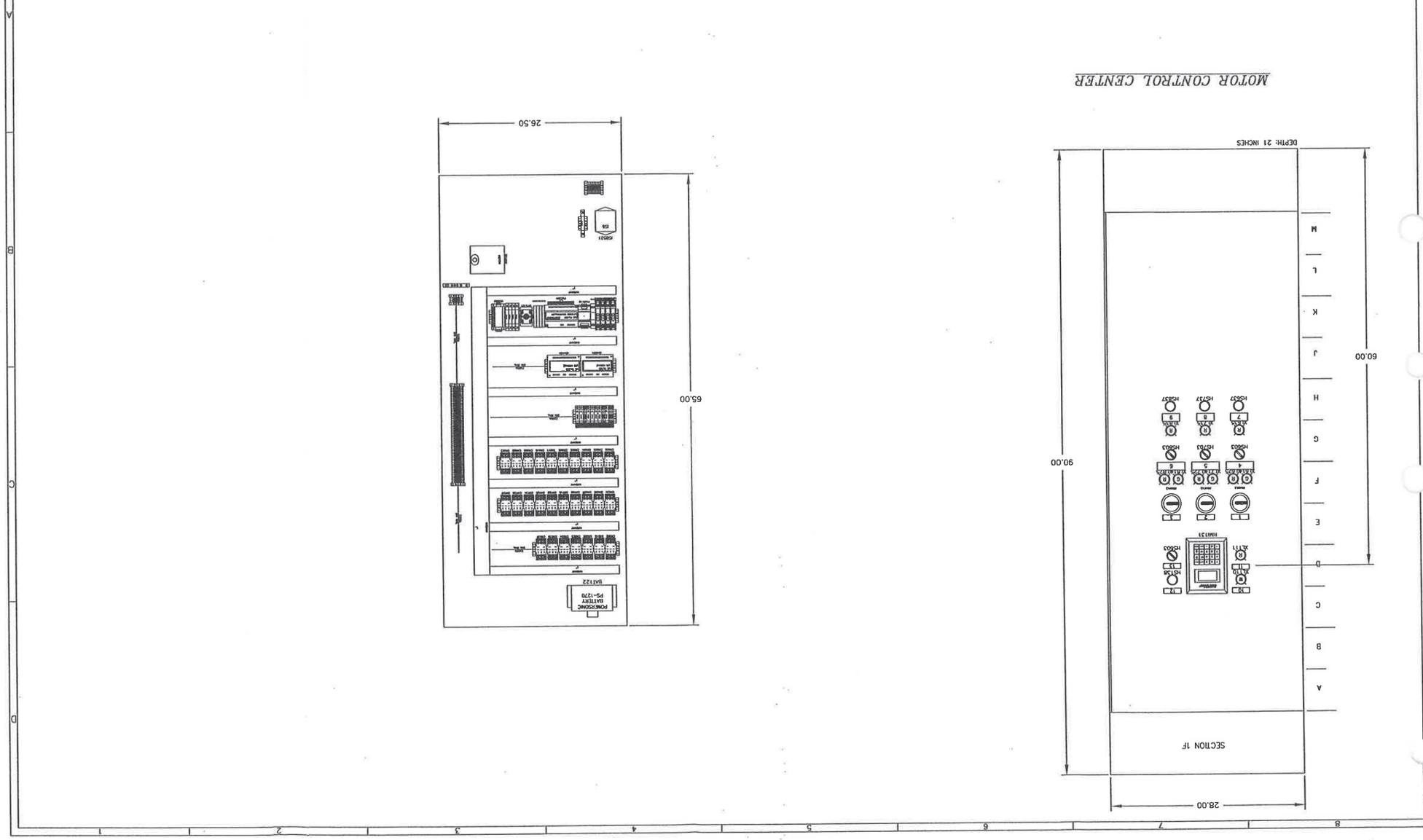
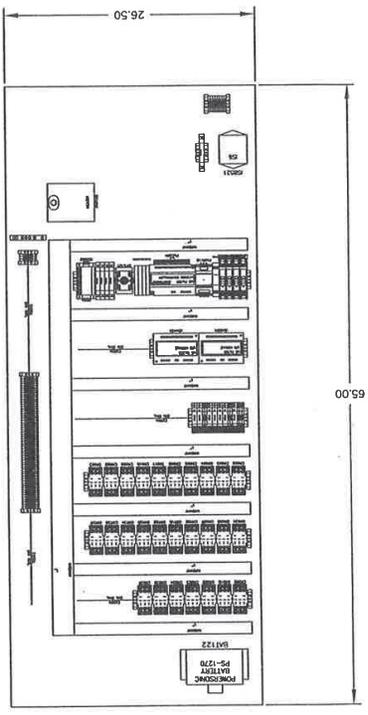
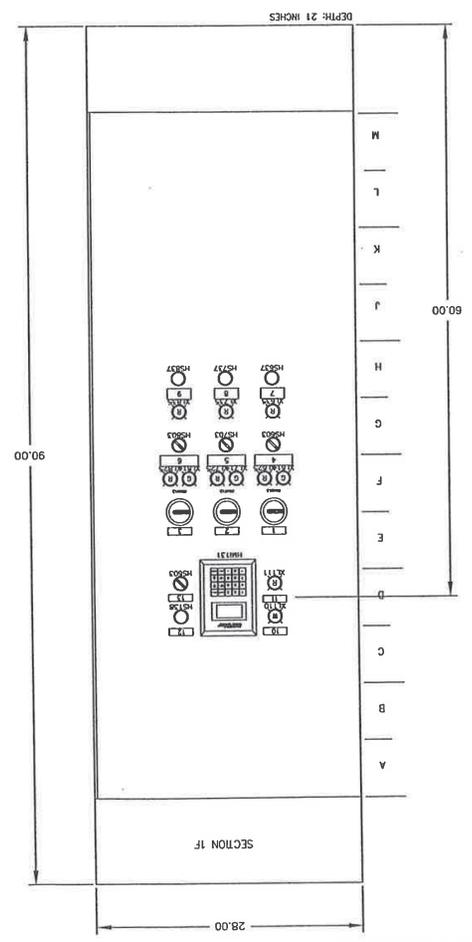
DATE	DESCRIPTION
11/78	DESIGN
11/78	PERMIT
11/78	CONSTRUCTION
11/78	COMMISSIONING

DATE	DESCRIPTION
11/78	DESIGN
11/78	PERMIT
11/78	CONSTRUCTION
11/78	COMMISSIONING

DATE	DESCRIPTION
11/78	DESIGN
11/78	PERMIT
11/78	CONSTRUCTION
11/78	COMMISSIONING

DATE	DESCRIPTION
11/78	DESIGN
11/78	PERMIT
11/78	CONSTRUCTION
11/78	COMMISSIONING

MOTOR CONTROL CENTER



NOTES:
 1) FOR A COMPLETE LIST OF DRAWINGS AND PARTS REFER TO THE TABLE OF CONTENTS AND THE BILL OF MATERIALS.
 2) GROUNDING LUG TO BE GROUNDED BY CUSTOMER PER NEC.
 3) PULL ANALOG SIGNAL WIRES AND LOW VOLTAGE DC WIRES IN MTLTIC CONDUIT SEPARATE FROM POWER/LOAD WIRES.
 4) SET ELECTRICAL DEVICE FOR ELECTRICAL RATINGS.
 5) REMOVE JUMPER FOR NON-SERVICE ENTRANCE RATED ENCLOSURE. ALL WIRES ARE 18 AWG UNLESS SPECIFIED.

ENCLOSURE: ALL WIRES ARE 18 AWG UNLESS SPECIFIED.

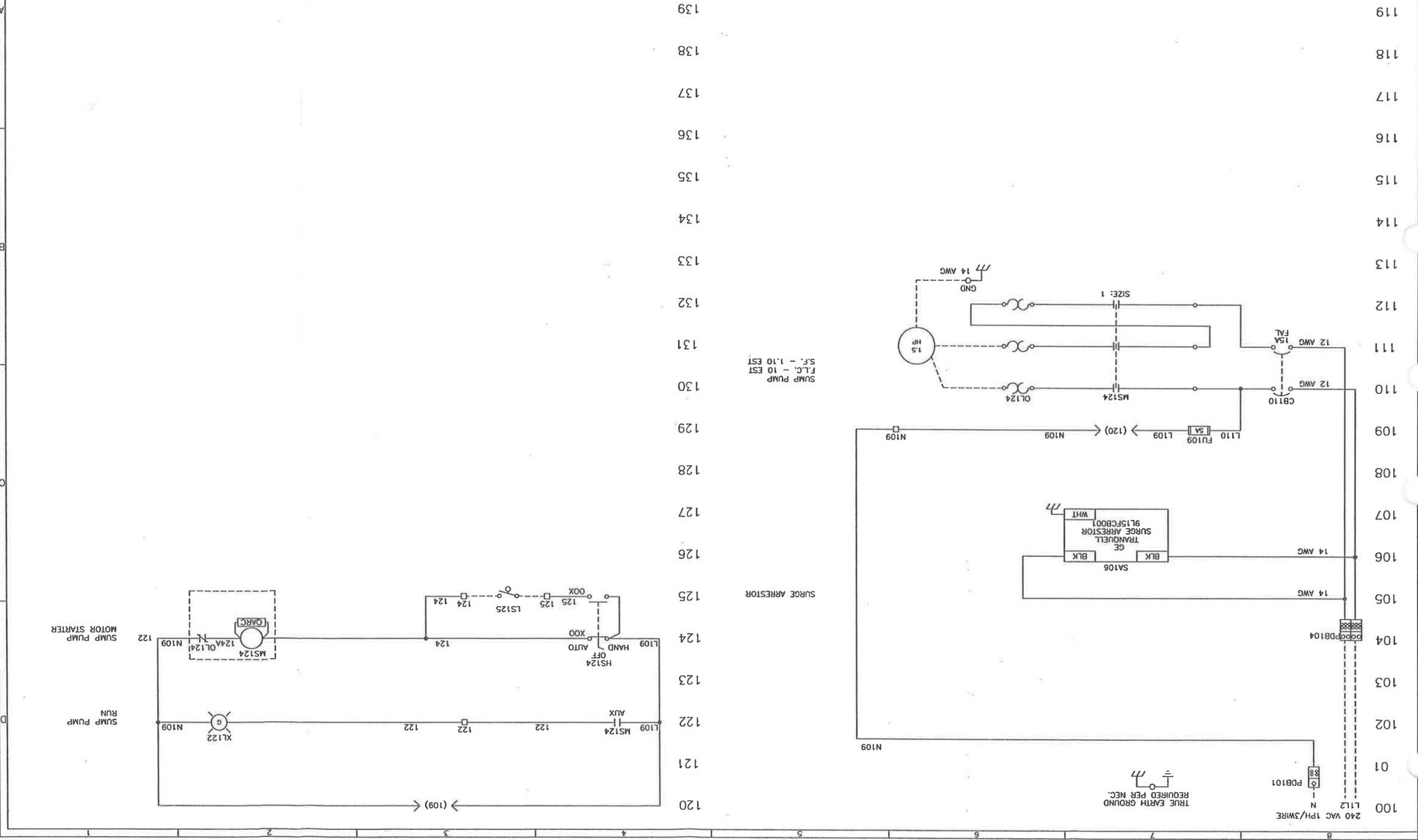
REV: A
 AS SUBMITTED

REV	DATE	DESCRIPTION
A	11/05	AS SUBMITTED

DATE	BY	CHKD	APPV	ECN
11/05	DML	JVE	DML	

PROJECT: 504370
 CODE: 004
 CUSTOMER: HARRIMAN, TN
 TITLE: POWER PACK INCOMING POWER HARBESS SUMP PUMP CONTROL USPCS PANEL 004

USFIBER SYSTEMS
 VANDAN HEIGHTS, MN
 PHL 651-766-2700

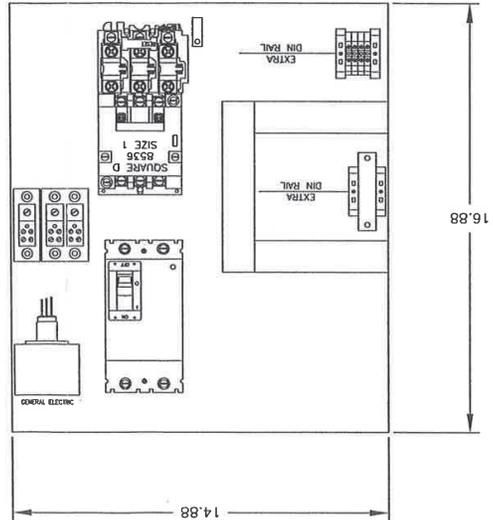
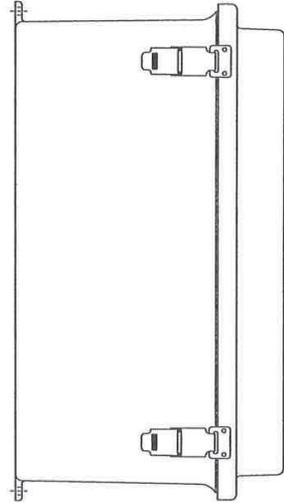
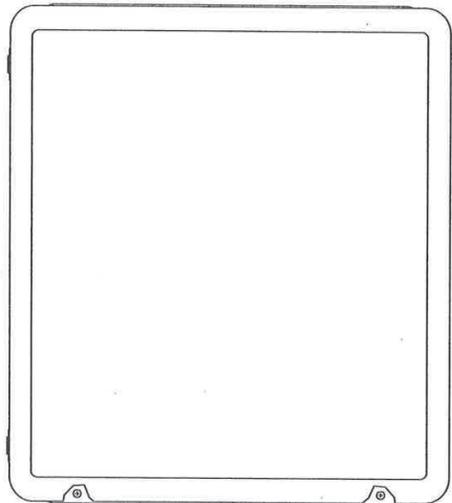


REV	DESCRIPTION	DATE	BY	CHKD	APP'D	EXH
A	AS SUBMITTED	11/03	DMM	JFC	DMM	

THE MANUFACTURER'S DRAWING OF THIS EQUIPMENT IS TO BE USED AS A REFERENCE TO THE EQUIPMENT TO BE ORDERED. THE MANUFACTURER'S DRAWING IS TO BE USED AS A REFERENCE TO THE EQUIPMENT TO BE ORDERED. THE MANUFACTURER'S DRAWING IS TO BE USED AS A REFERENCE TO THE EQUIPMENT TO BE ORDERED.

PROJECT: 504370
 DRAWING: 004
 SHEET: 2 OF 3
 DATE: 11/03
 MANAGER: JFC
 DATE: 11/03
 CHECKED: JFC
 DATE: 11/03
 DATE: 11/03

US Filter
 HARRIMAN, TN
 USFCFS PANEL 004
 HARDEES SUMP PUMP CONTROL
 ENCLASURE AND BACK PANEL LAYOUT



BACK PANEL SPECIFICATIONS		ENCLOSURE SPECIFICATIONS	
MANUFACTURER	STAHLIN	MANUFACTURER	STAHLIN
PART NUMBER	BP1816AL	PART NUMBER	RJ1816HPLW
SIZE	16.88 X 14.88	SIZE	18.00 X 16.00 X 9.00
FINISH	ALUMINUM	CONSTRUCTION	FIBERGLASS
		TYPE	NEMA 4X
		HINGED	LEFT
		FINISH	GRAY