

DRAWING INDEX

USFCS PANEL 001-HARDEES PUMP STATION

DRAWING REVISION: 1

- 1 INCOMING POWER
- 2 LC2000 CONTROLLER
- 3 DIGITAL INPUTS
- 4 ANALOG INPUTS/ANALOG OUTPUTS
- 5 ISOLATOR, INTRINSICALLY SAFE BARRIER
- 6 PUMP 1 CONTROL
- 7 PUMP 2 CONTROL
- 8 PUMP 2 CONTROL
- 9 VFD CONNECTIONS
- 10 CUSTOMER CONNECTIONS
- 11 MCC ENCLOSURE AND BACK PANEL LAYOUT
- 12 NAMEPLATE SCHEDULE

USFCS PANEL 002-WEBB PUMP STATION

DRAWING REVISION: 1

- 1 INCOMING POWER
- 2 LC2000 CONTROLLER
- 3 DIGITAL INPUTS
- 4 ANALOG INPUTS/ANALOG OUTPUTS
- 5 ISOLATOR, INTRINSICALLY SAFE BARRIER
- 6 PUMP 1 CONTROL
- 7 PUMP 2 CONTROL
- 8 PUMP 2 CONTROL
- 9 VFD CONNECTIONS
- 10 CUSTOMER CONNECTIONS
- 11 MCC ENCLOSURE AND BACK PANEL LAYOUT
- 12 NAMEPLATE SCHEDULE

USFCS PANEL 003-WOODY STREET PUMP STATION

DRAWING REVISION: 1

- 1 INCOMING POWER
- 2 LC2000 CONTROLLER
- 3 DIGITAL INPUTS
- 4 ANALOG INPUTS/ANALOG OUTPUTS
- 5 ISOLATOR, INTRINSICALLY SAFE BARRIER
- 6 PUMP 1 CONTROL
- 7 PUMP 2 CONTROL
- 8 PUMP 2 CONTROL
- 9 VFD CONNECTIONS
- 10 CUSTOMER CONNECTIONS
- 11 MCC ENCLOSURE AND BACK PANEL LAYOUT
- 12 NAMEPLATE SCHEDULE

USFCS PANEL 004-HARDEES SUMP PUMP CONTROL

DRAWING REVISION: 1

- 1 POWER PACK INCOMING POWER
- 2 ENCLOSURE AND BACK PANEL LAYOUT
- 3 ENCLOSURE AND BACK PANEL LAYOUT

USFCS PANEL 005-WEBB SUMP PUMP CONTROL

DRAWING REVISION: 1

- 1 POWER PACK INCOMING POWER
- 2 ENCLOSURE AND BACK PANEL LAYOUT
- 3 ENCLOSURE AND BACK PANEL LAYOUT

USFCS PANEL 006-WOODY SUMP PUMP CONTROL

DRAWING REVISION: 1

- 1 POWER PACK INCOMING POWER
- 2 ENCLOSURE AND BACK PANEL LAYOUT

APPENDIX DRAWINGS

- 1 ELECTRICAL LEGEND SHEET
- 1 NAMEPLATE DETAILS

TYPICAL CUTLER-HAMMER MCC DRAWINGS

- 1 MAIN DISCONNECT
- 2 TVSS WITH DISCONNECT
- 3 TRANSFORMER/LIGHTING PANEL
- 4 TYPICAL SOFTSTART WITH BYPASS
- 5 TYPICAL SOFTSTART WITHOUT BYPASS
- 6 VFD WITH BYPASS
- 7 VFD WITHOUT BYPASS
- 8 TYPICAL MCC SECTION

STD: 3-0200-24X3601 INTL REF:	 BAR = 1" AT PLOT SCALE	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DWN</th> <th>CHKD</th> <th>APVD</th> <th>ECH</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>AS SHIPPED</td> <td>07/06</td> <td>JVE</td> <td>DMM</td> <td>DMM</td> <td></td> </tr> <tr> <td>B</td> <td>AS SUBMITTED</td> <td>02/06</td> <td>JVE</td> <td>DMM</td> <td>DMM</td> <td></td> </tr> <tr> <td>A</td> <td>AS SUBMITTED</td> <td>11/05</td> <td>DMM</td> <td>JVE</td> <td>DMM</td> <td></td> </tr> </tbody> </table>	REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH	1	AS SHIPPED	07/06	JVE	DMM	DMM		B	AS SUBMITTED	02/06	JVE	DMM	DMM		A	AS SUBMITTED	11/05	DMM	JVE	DMM		COMPANY CONFIDENTIAL ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE COPIED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THIS DOCUMENT. IN NO EVENT SHALL THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF USF. ALL PATENT RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNER</td> <td>DATE</td> </tr> <tr> <td>DMM</td> <td>11/05</td> </tr> <tr> <td>CHECKER</td> <td>DATE</td> </tr> <tr> <td>JVE</td> <td>11/05</td> </tr> <tr> <td>ENGINEER</td> <td>DATE</td> </tr> <tr> <td>DMM</td> <td>11/05</td> </tr> <tr> <td>MANAGER</td> <td>DATE</td> </tr> <tr> <td></td> <td>11/05</td> </tr> </table>	DESIGNER	DATE	DMM	11/05	CHECKER	DATE	JVE	11/05	ENGINEER	DATE	DMM	11/05	MANAGER	DATE		11/05	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>TITLE</td> <td>DRAWING INDEX</td> </tr> <tr> <td>CLIENT</td> <td>HARRIMAN, TN</td> </tr> <tr> <td>PROJECT</td> <td>504370</td> </tr> <tr> <td>CODE</td> <td>000</td> </tr> <tr> <td>DRAWING</td> <td>E00</td> </tr> <tr> <td>SHEET</td> <td>001 OF 001</td> </tr> <tr> <td>REV</td> <td>1</td> </tr> </table>	TITLE	DRAWING INDEX	CLIENT	HARRIMAN, TN	PROJECT	504370	CODE	000	DRAWING	E00	SHEET	001 OF 001	REV	1
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DRAWING NUMBER/FILENAME ASSIGNMENT

XXXXXXXX-YYY-EXX-XXX-YY

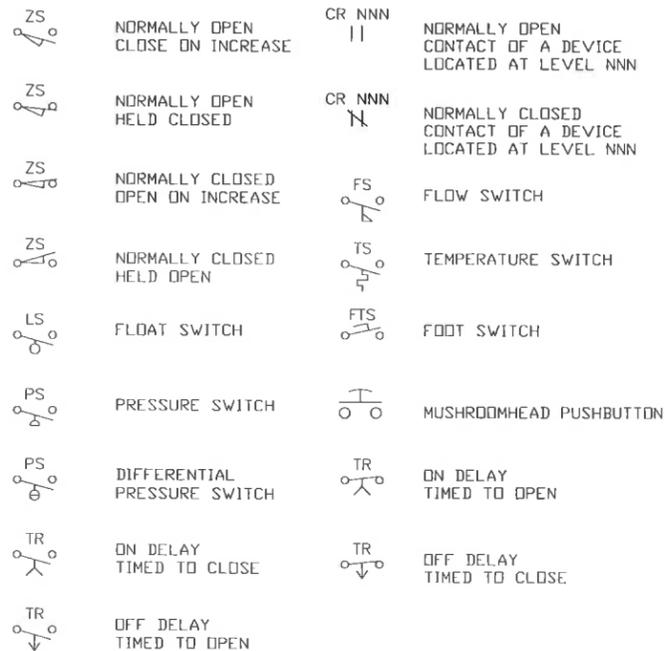
USFILTER PROJECT No. _____ REVISION NUMBER A-99 (A-Z = APPROVAL ISSUE) (0-99 = CONSTRUCTION ISSUE)

000 : GENERAL INFORMATION
001 : FIRST CONTROL PANEL
002 : SECOND CONTROL PANEL, ETC.
FIT3601 : FLOW INSTRUMENT LOOP DIAGRAM
LIT2202 : LEVEL INSTRUMENT LOOP DIAGRAM, ETC.

SHEET NUMBER 001 TO 999

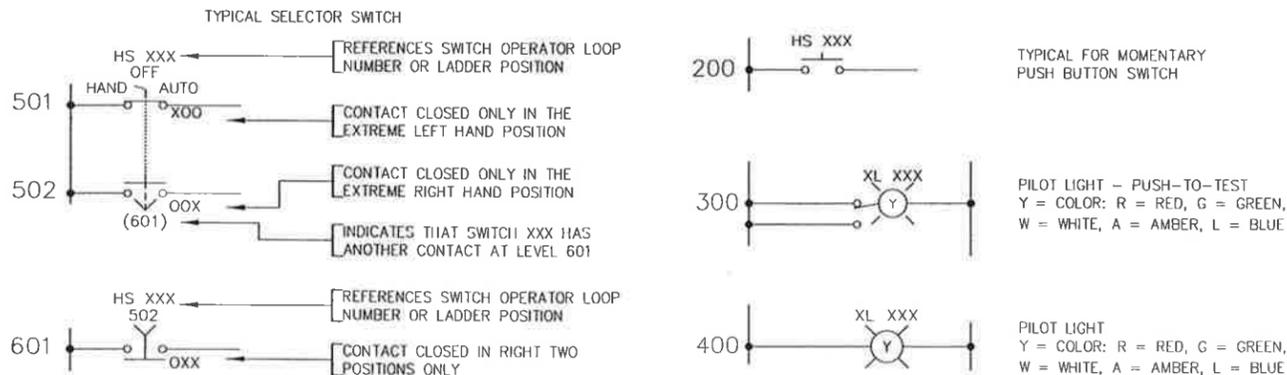
E00] TITLE DRAWING	E11] INSTRUMENTATION DATA SHEET	E22] CABLE TRAY ASSEMBLY DETAILS	E33] BUILDING GROUNDING PLAN	E44] ELECTRICAL BLOCK DIAGRAM
E01] ELECTRICAL LEGEND SHEET	E12] INSTRUMENTATION MOUNTING DETAILS	E23] CABLE TRAY ARRANGEMENT - PLAN	E34] SITE POWER / LIGHTING PLAN	E45] RISER DIAGRAM
E02] CONTROL PANEL ENCLOSURE LAYOUT	E13] SINGLE LOOP DIAGRAM	E24] CABLE TRAY ARRANGEMENT - ELEVATION	E35] BUILDING POWER / LIGHTING PLAN	E46] I/O LISTING
E03] CONTROL PANEL SUB-PANEL LAYOUT	E14] SINGLE LINE DIAGRAM	E25] CONDUIT PLAN	E36] GROUNDING AND LIGHTING PLAN	E47] LOGIC DIAGRAM
E04] CONTROL PANEL SCHEMATIC DIAGRAM	E15] MCC ELEVATION	E26] EMBEDDED CONDUIT PLAN	E37] GROUNDING DETAILS	E48] PARAMETER LISTING
E05] TERMINAL BLOCK OUTLINE	E16] SWITCHGEAR ELEVATION	E27] UNDERGROUND CONDUIT PLAN	E38] LIGHTING SCHEDULE	E49] PNEUMATIC / HYDRAULIC DIAGRAM
E06] NAMEPLATE SCHEDULE	E17] MCC ELEMENTARY DIAGRAM	E28] CONDUIT SCHEDULE	E39] LIGHTING DETAILS	E50] ELECTRICAL EQUIPMENT LIST
E07] ELECTRICAL BILL OF MATERIALS	E18] CONDUIT GENERAL ARRANGEMENT	E29] CABLE SCHEDULE	E40] HEAT TRACE DIAGRAM	E51] LADDER LOGIC PRINTOUT
E08] POINT-TO-POINT DIAGRAM	E19] CONDUIT & INTERCONNECTION DIAGRAM	E30] CABLE AND CONDUIT SCHEDULE	E41] HEAT TRACE SCHEDULE	
E09] SYSTEM NETWORK ARCHITECTURE DIAGRAM	E20] FIELD INTERCONNECTION DIAGRAM	E31] CONDUIT AND CABLE TRAY DETAILS	E42] HEAT TRACE DETAILS	
E10] INSTRUMENTATION LISTING	E21] POWER, CONTROL AND INSTRUMENT PLAN	E32] SITE GROUNDING PLAN	E43] PANELBOARD SCHEDULE	

SWITCH CONFIGURATIONS

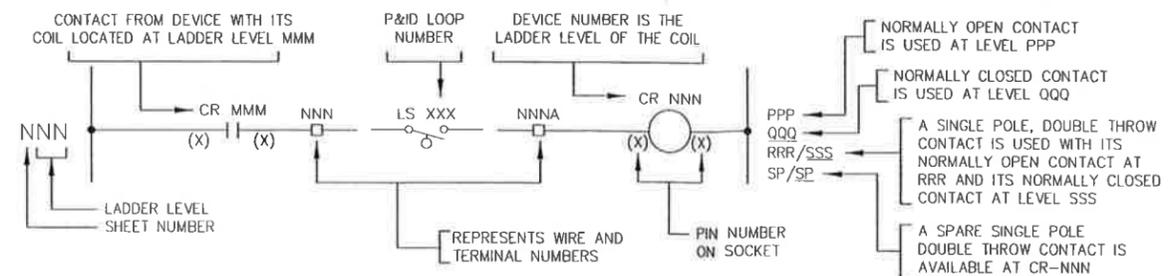


NOTE: SWITCH POSITION IS TO REFLECT THE NORMAL/DE-ACTIVATED STATE

PILOT DEVICE CONFIGURATIONS



LADDER NUMBERING CONVENTION AND COMPONENT IDENTIFICATION



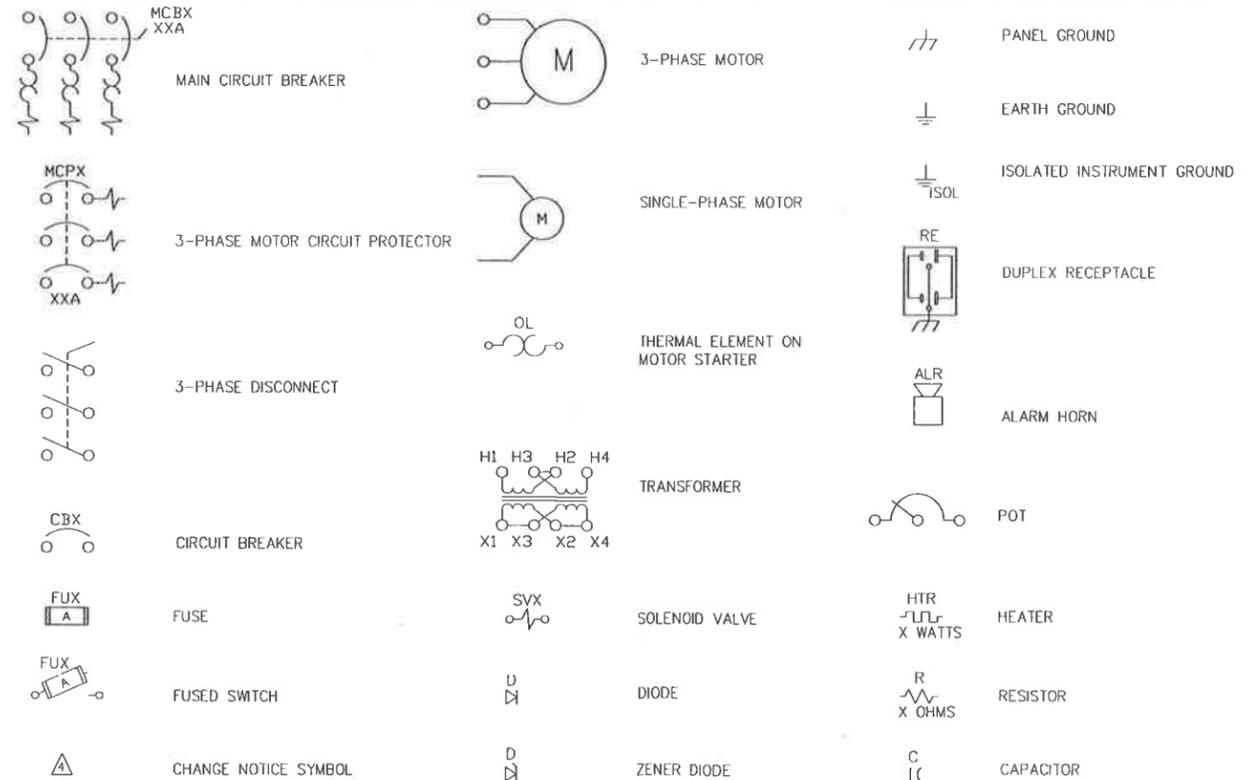
DEVICE PREFIX INDICATES GENERAL DEVICE TYPE AS:

- ALR = ALARM HORN, BELL OR BUZZER
- CB = CIRCUIT BREAKER
- CR = CONTROL RELAY
- DIS = DISCONNECT SWITCH
- FE = FLOW ELEMENT
- F1 = FLOW INDICATOR
- FS = FLOW SWITCH
- FT = FLOW TRANSMITTER
- FU = FUSE
- HS = SELECTOR/HAND SWITCH
- HTR = HEATER
- LA = LIGHTNING ARRESTOR
- LE = LEVEL ELEMENT
- LF = LINE FILTER
- LI = LEVEL INDICATOR
- LIC = LEVEL INDICATING CONTROLLER
- LS = LEVEL SWITCH
- LT = LEVEL TRANSMITTER
- MS = MOTOR STARTER COIL
- PI = PRESSURE INDICATOR (OR GAUGE)
- PS = PRESSURE SWITCH
- PT = PRESSURE TRANSMITTER
- PWR = POWER SUPPLY
- T = TRANSFORMER
- TR = TIMER
- TS = TEMPERATURE SWITCH
- XL = PILOT LIGHT
- ZS = LIMIT SWITCH

STANDARD WIRE COLORS :

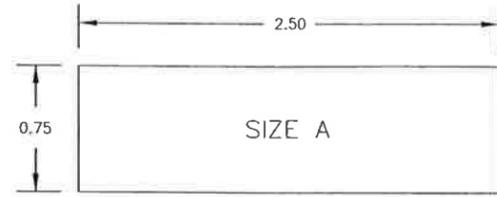
- BLACK = 480 VOLT AND UNSWITCHED AC CONTROL WIRING
 - WHITE = NEUTRAL
 - RED = SWITCHED 115 VAC CONTROL
 - BLUE = DC
 - BLUE/WHITE = DC COMMON
 - ORANGE = UNGROUNDED 24VAC
 - ORANGE/WHITE = 24VAC NEUTRAL
 - GREEN = GROUND
 - GREEN/YELLOW = INSTRUMENT GROUND
 - YELLOW = EXTERNALLY POWERED 115VAC
 - YELLOW/WHITE = EXTERNAL NEUTRAL
 - BLACK = SHIELDED SIGNAL POSITIVE
 - WHITE/CLEAR = SHIELDED SIGNAL NEGATIVE OR COMMON
 - RED = POSITIVE SUPPLY VOLTAGE IN 3-WIRE APPLICATION
- ALL WIRES UNIQUELY TAGGED AT BOTH ENDS EXCEPT RIBBON CABLE.

MISCELLANEOUS SYMBOLS

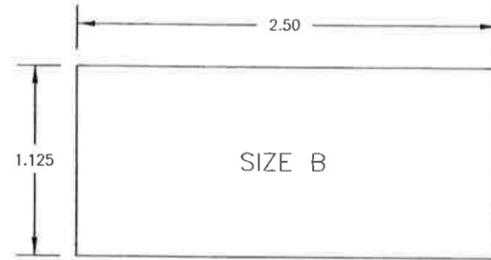


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	MEM	06/05/01	ELECTRICAL LEGEND SHEET				
	CHECKER	DATE					
	ENGINEER	DATE	CLIENT USFILTER STANDARD				
	MANAGER	DATE					
	FILE:	510-000-001-00					
	SCALE:	N/A					
Q	INITIAL STANDARD RELEASE	02/22/02	TLB				
B	REVISIONS BASED ON PEEET TEAM INPUT	01/16/02	DD				
A	ORIGINAL ISSUE FOR PEEET TEAM SUBMITTAL	08/22/01	TLB				
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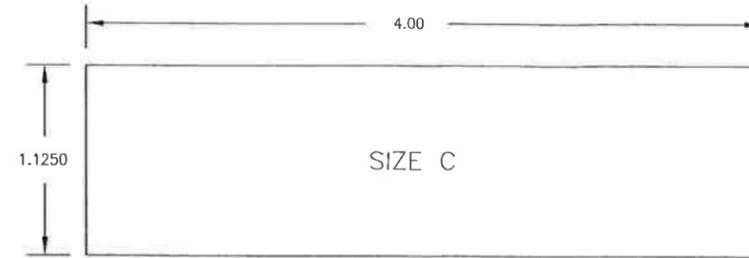
STANDARD NAMEPLATE DETAILS



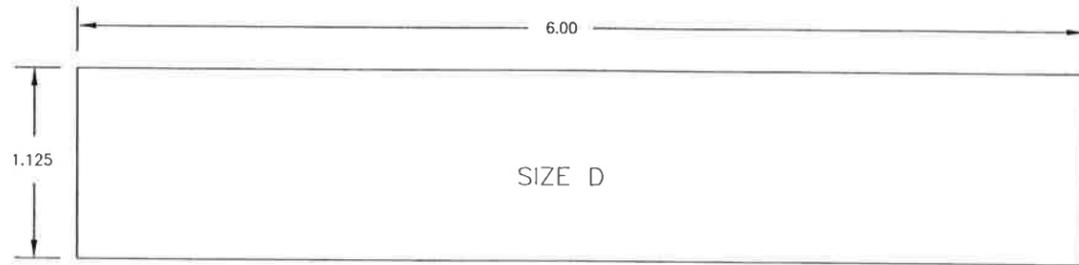
A-1 1/8" LETTERS 18 CHARACTERS PER LINE MAX 3 LINES
A-2 3/16" LETTERS 12 CHARACTERS PER LINE MAX 2 LINE



B-1 1/8" LETTERS 18 CHARACTERS PER LINE MAX 4 LINES
B-2 3/16" LETTERS 12 CHARACTERS PER LINE MAX 3 LINES
B-3 1/4" LETTERS 10 CHARACTERS PER LINE MAX 3 LINES
B-4 5/16" LETTERS 9 CHARACTERS PER LINE MAX 2 LINES



C-1 1/8" LETTERS 31 CHARACTERS PER LINE MAX 4 LINES
C-2 3/16" LETTERS 22 CHARACTERS PER LINE MAX 3 LINES
C-3 1/4" LETTERS 16 CHARACTERS PER LINE MAX 3 LINES
C-4 5/16" LETTERS 14 CHARACTERS PER LINE MAX 2 LINES

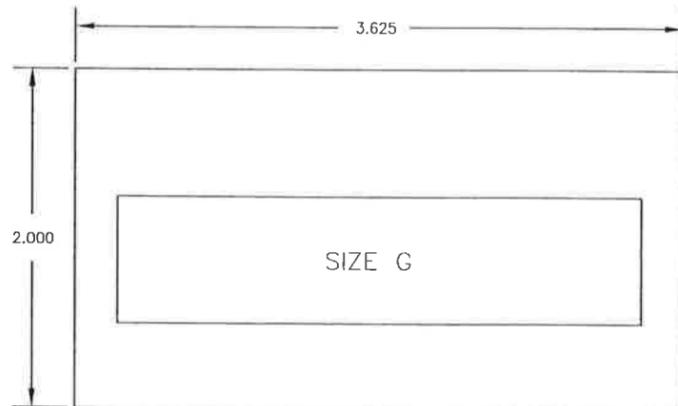


D-1 1/8" LETTERS 48 CHARACTERS PER LINE MAX 4 LINES
D-2 3/16" LETTERS 35 CHARACTERS PER LINE MAX 3 LINES
D-3 1/4" LETTERS 25 CHARACTERS PER LINE MAX 3 LINES
D-4 5/16" LETTERS 23 CHARACTERS PER LINE MAX 2 LINES

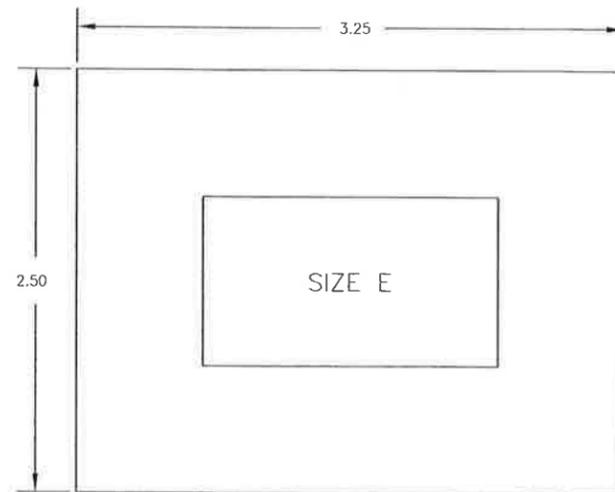
NOTE A: IF SCREWS ARE REQUIRED FOR FASTENING,
REDUCE THE CHARACTERS PER LINE BY 2 FOR 1/8" LETTERS
AND 1 FOR 3/16", 1/4", AND 5/16" LETTERS

NOTE B: UNLESS OTHERWISE SPECIFIED
WHITE LETTERS ON BLACK BACKGROUND

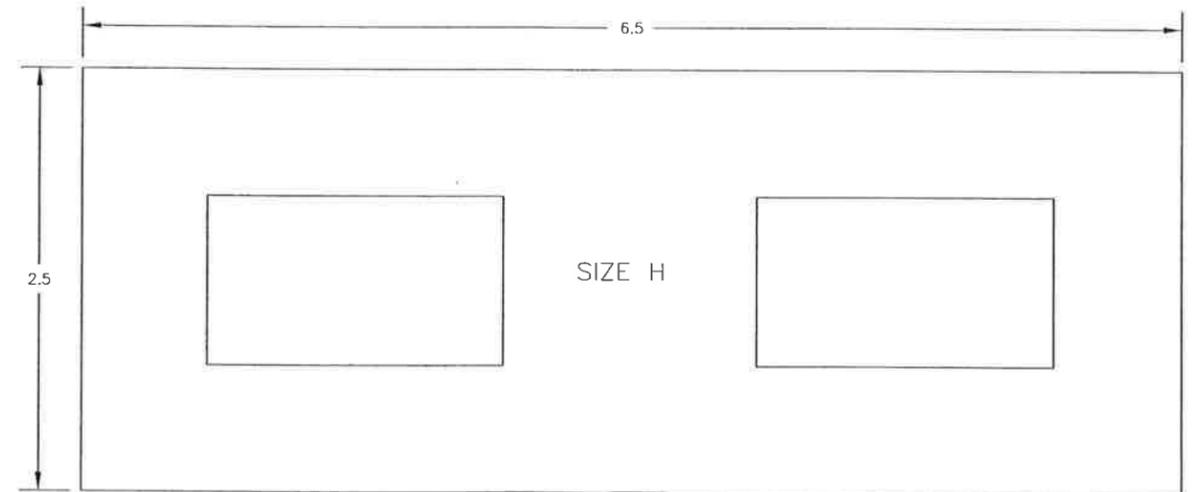
SPECIAL NAMEPLATE DETAILS



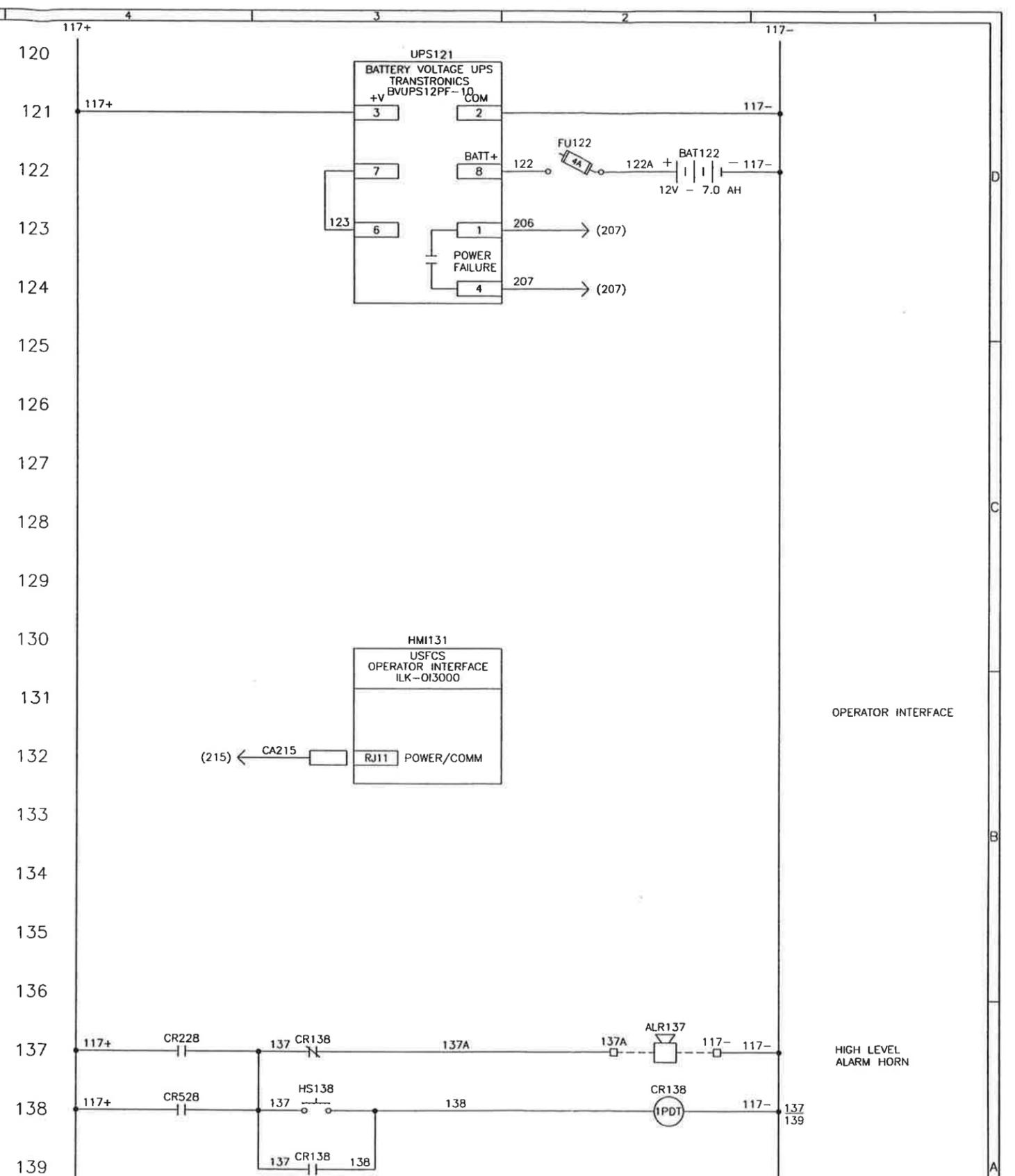
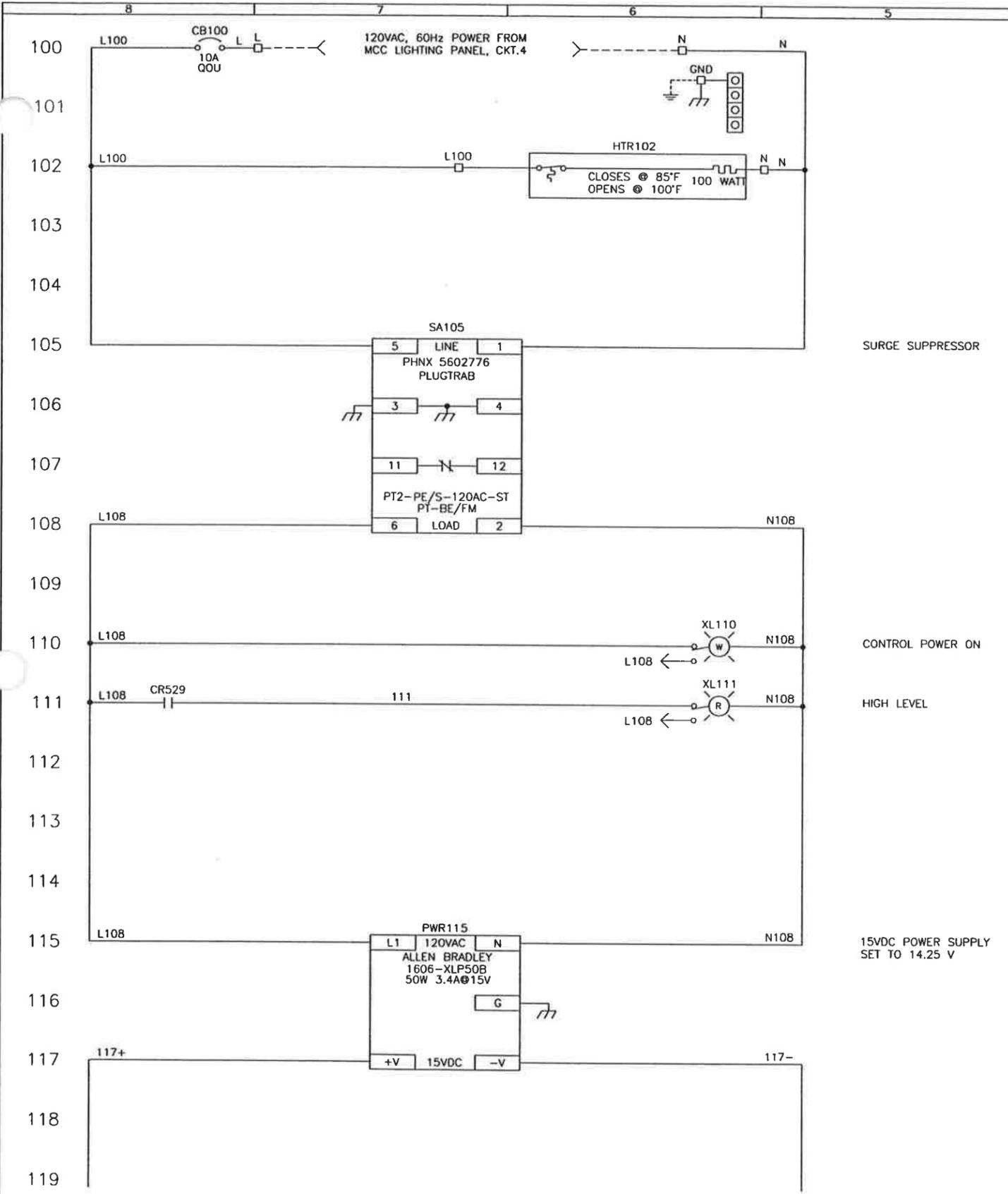
G-1 1/8" LETTERS 16 CHARACTERS PER LINE MAX 3 LINES
G-2 3/16" LETTERS 11 CHARACTERS PER LINE MAX 2 LINE



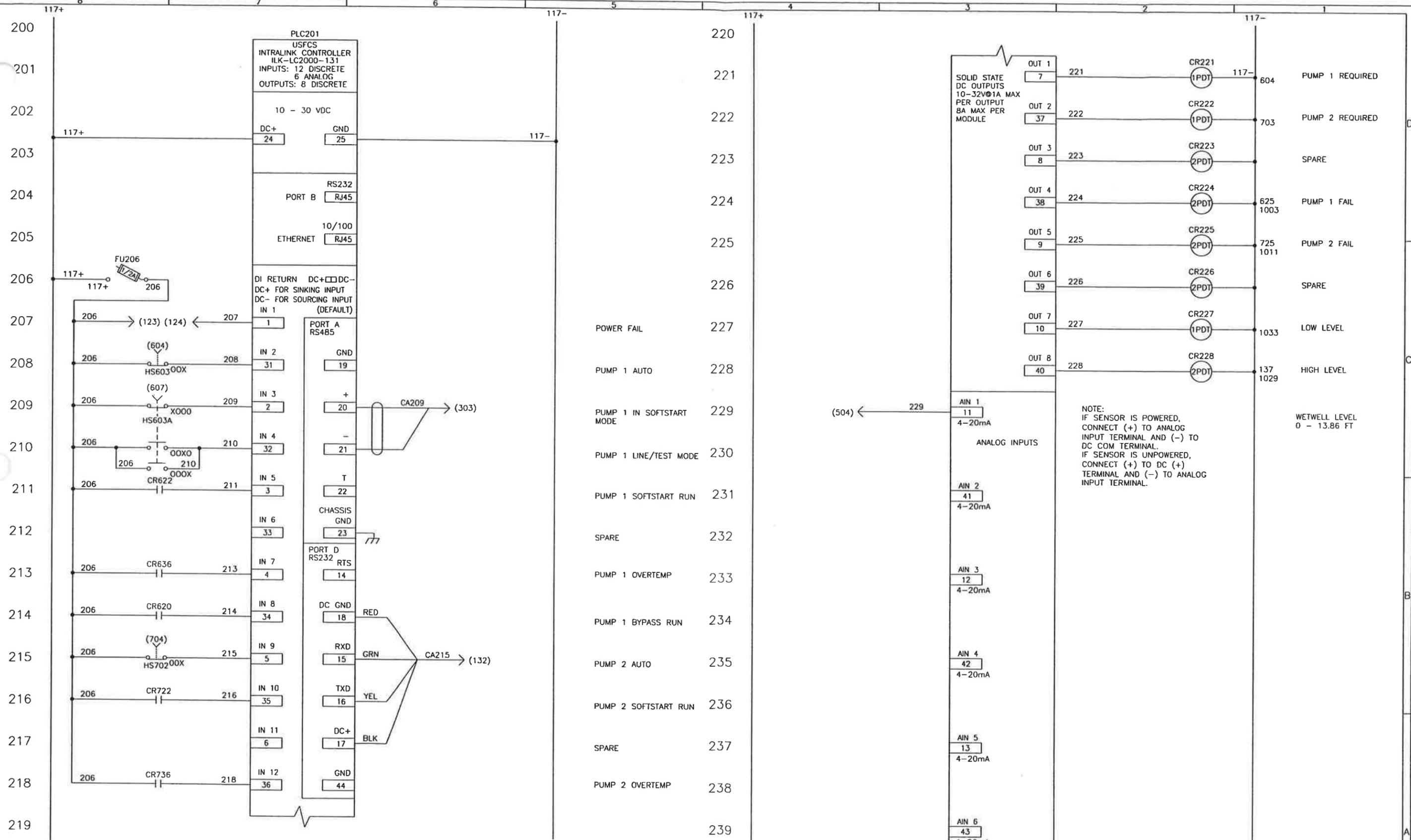
E-1 1/8" LETTERS 17 CHARACTERS PER LINE MAX 4 LINES
E-2 3/16" LETTERS 11 CHARACTERS PER LINE MAX 4 LINES



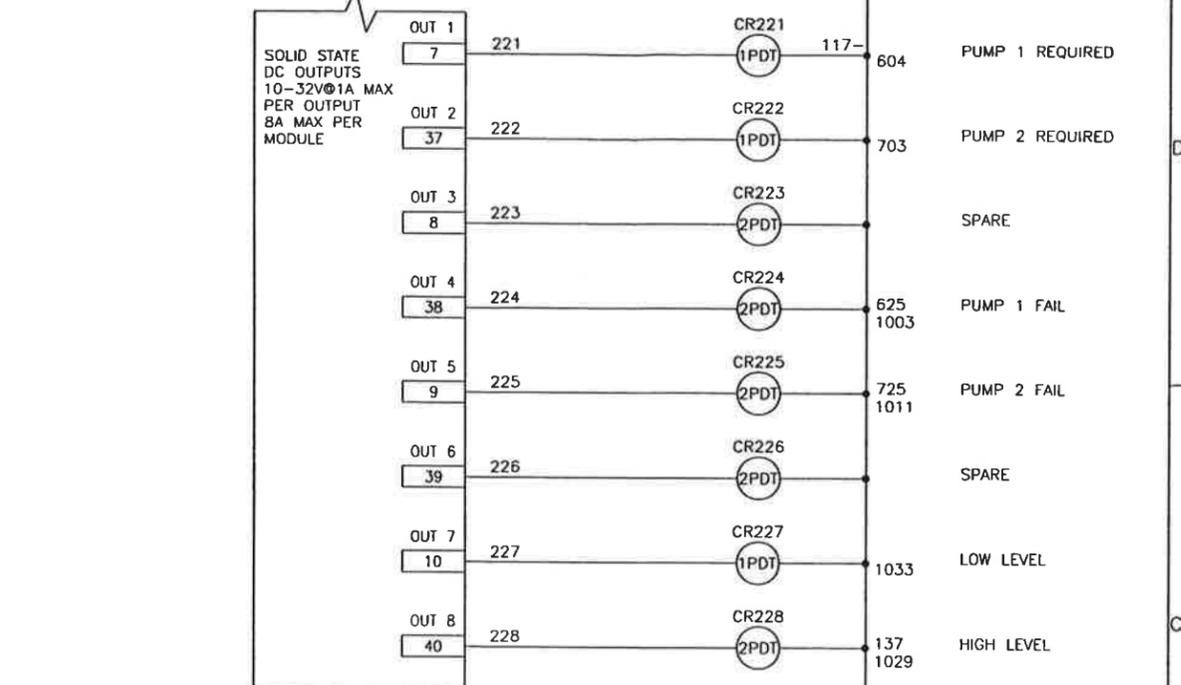
H-1 1/8" LETTERS 17 CHARACTERS PER LINE MAX 4 LINES
H-2 3/16" LETTERS 11 CHARACTERS PER LINE MAX 4 LINES



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227	POWER FAIL
228	PUMP 1 AUTO
229	PUMP 1 IN SOFTSTART MODE
230	PUMP 1 LINE/TEST MODE
231	PUMP 1 SOFTSTART RUN
232	SPARE
233	PUMP 1 OVERTEMP
234	PUMP 1 BYPASS RUN
235	PUMP 2 AUTO
236	PUMP 2 SOFTSTART RUN
237	SPARE
238	PUMP 2 OVERTEMP
239	



1	AS SHIPPED	07/06	JVE	JMC	DMM															
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM															
B	AS SUBMITTED	02/06	JVE	DMM	DMM															
A	AS SUBMITTED	11/05	DMM	JVE	DMM															

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 CHECKER: JMC DATE: 11/05
 ENGINEER: DMM DATE: 11/05
 MANAGER: MNL DATE: 11/05

FILE: 504370-001-ED-002-1
 SCALE: NONE

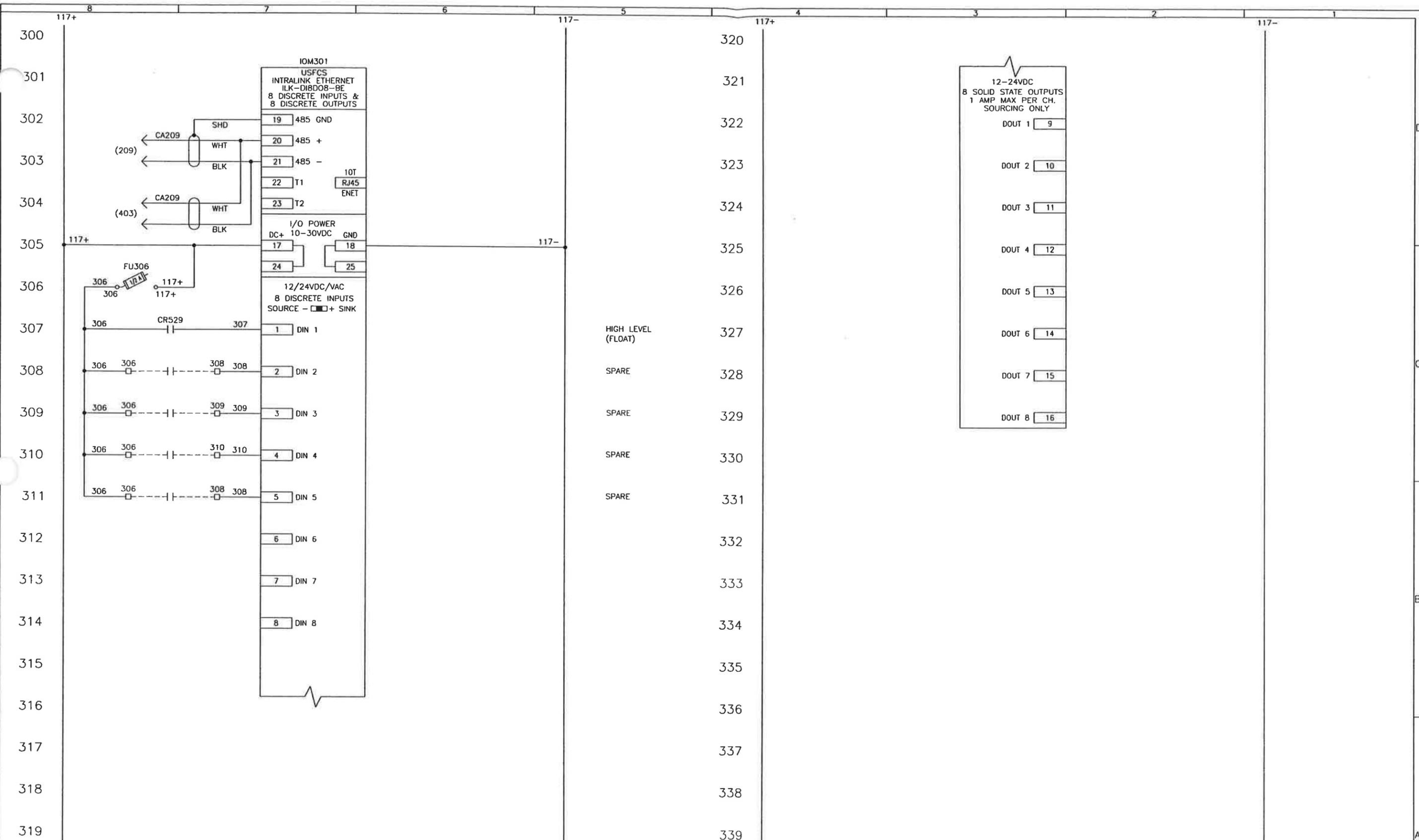
TITLE: LC2000 CONTROLLER
 HARDEES PUMP STATION
 USFCS PANEL 001

CLIENT: HARRIMAN, TN

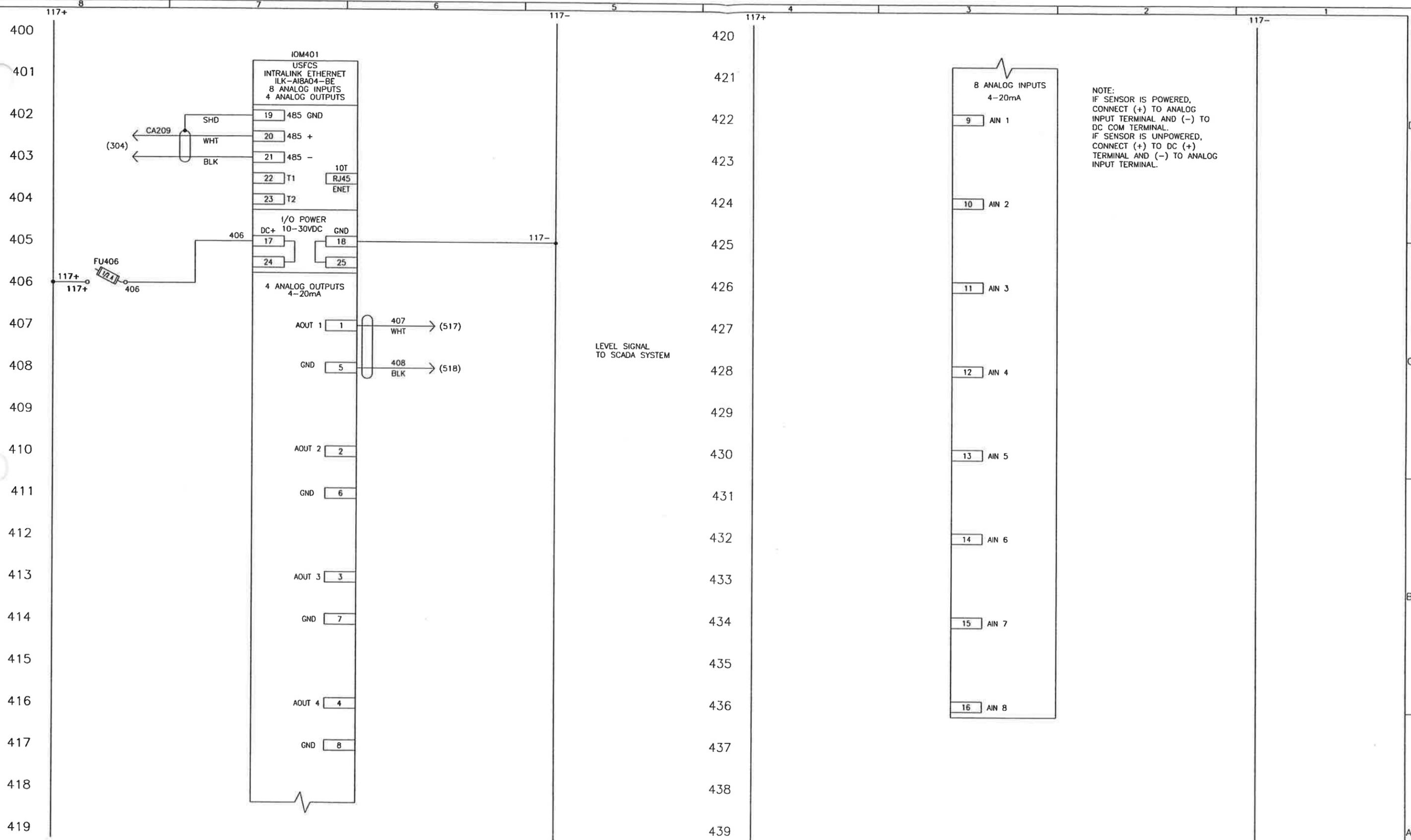
USFilter
 USFILTER CONTROL SYSTEMS
 WADNAUS HEIGHTS, MN
 PH. 651-766-2700

PROJECT: 504370 CODE: 001 DRAWING: E04 SHEET: 2 OF 12 REV: 1

STD: 3-0200-24X3601 INTL REF: 7061 BAR = 1" AT PLOT SCALE



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				CHECKER JMC DATE 11/05	CLIENT HARRIMAN, TN
				ENGINEER DMM DATE 11/05	USFilter US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700
				MANAGER MN DATE 11/05	PROJECT 504370
				FILE: 504370-001-04-003-1	CODE 001
				SCALE:	DRAWING E04
				REV 1	SHEET 3 OF 12
				ECH	REV 1



ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES (USF). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANOTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THIS DOCUMENT. IN NO EVENT SHALL THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER DETERMINING TO THE INTEREST OF USF. USF HEREBY DISCLAIMS ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.										
DESIGNER	DATE	TITLE								
DMM	11/05	ANALOG INPUTS/ANALOG OUTPUTS								
CHECKER	DATE	HARDEES PUMP STATION								
JMC	11/05	USFCS PANEL 001								
ENGINEER	DATE	CLIENT								
DMM	11/05	HARRIMAN, TN								
MANAGER	DATE	US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700								
MH	11/05	PROJECT	504370	CODE	001	DRAWING	E04	SHEET	4 OF 12	
FILE:	504370-001-004-004-1	SCALE:								
REV	DESCRIPTION	DATE	OWN	CHKD	APVD	ECH				
1	AS SHIPPED	07/06	JVE	JMC	DMM					
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM					
B	AS SUBMITTED	02/06	JVE	DMM	DMM					
A	AS SUBMITTED	11/05	DMM	JVE	DMM					

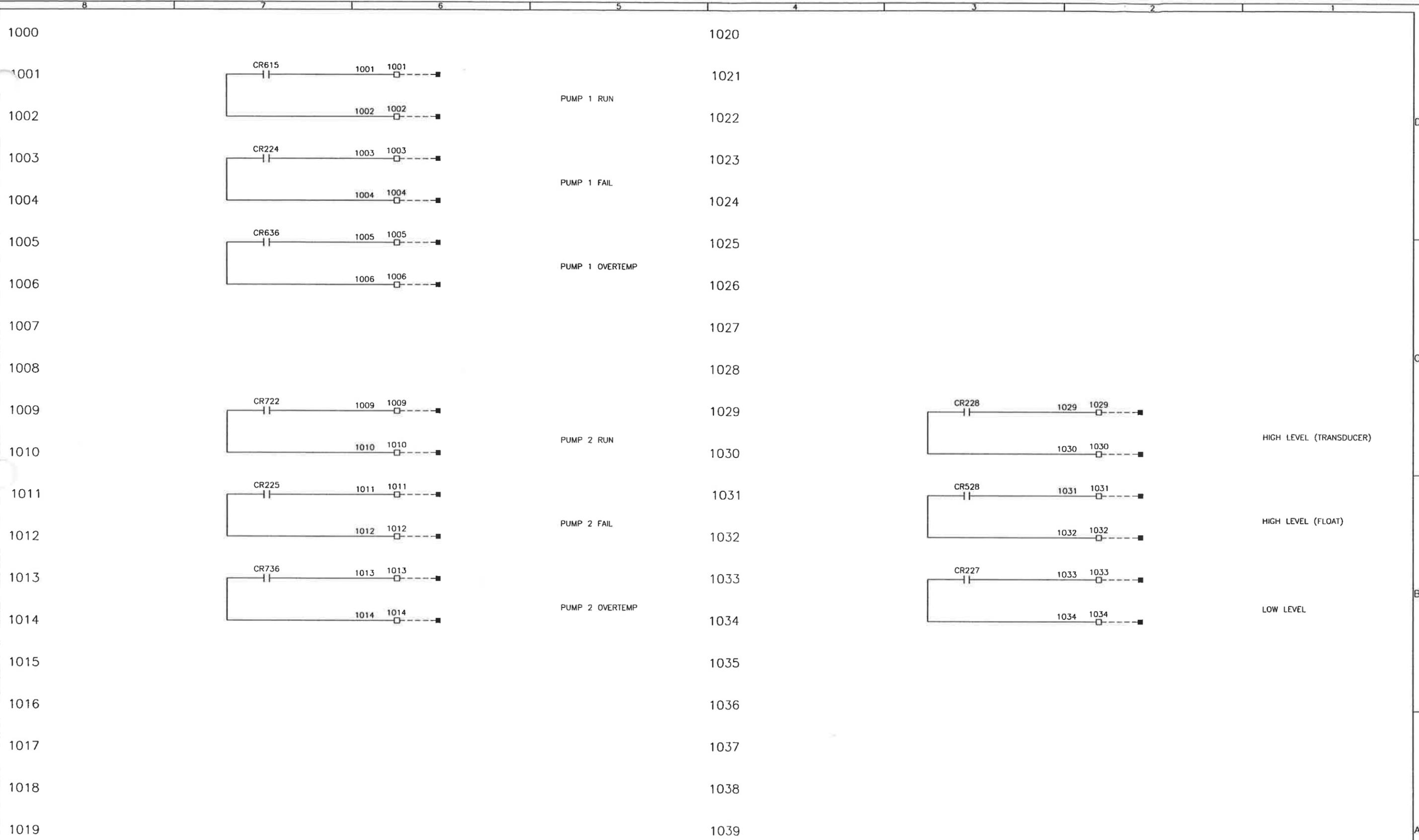
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RESERVED

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RESERVED

STD: 3-0200-24X3601		INTL REF: 7061		BAR = 1" AT PLOT SCALE		<p>COMPANY CONFIDENTIAL ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES (USFPA). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE REPRODUCED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE PURPOSE OR PURPOSES OF THIS DOCUMENT. IN NO EVENT SHALL THE DELIVERY OF THIS DOCUMENT CONSTITUTE AN AGREEMENT TO THESE TERMS AND CONDITIONS.</p>		DESIGNER DMM DATE 11/05 CHECKER JMC DATE 11/05 ENGINEER DMM DATE 11/05 MANAGER MN DATE 11/05 FILE: 504370-001-004-000-1 SCALE: 1061	TITLE PUMP 2 CONTROL HARDEES PUMP STATION USFCS PANEL 001 CLIENT HARRIMAN, TN US Filter US FILTER CONTROL SYSTEMS WADNAS HEIGHTS, MN PH. 651-766-2700	PROJECT 504370 CODE 001 DRAWING E04 SHEET 8 OF 12 REV 1
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH				
1	AS SHIPPED	07/06	JVE	JMC	DMM					
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM					
B	AS SUBMITTED	02/06	JVE	DMM	DMM					
A	AS SUBMITTED	11/05	DMM	JVE	DMM					



STD: 3-0200-24X36D1	INTL REF: 7061	BAR = 1" AT PLOT SCALE	REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH	<p>COMPANY CONFIDENTIAL</p> <p>ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED BY ANY OTHER PERSON OR ENTITY WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO LIABILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT, OR AS A WARRANTY OF THE FITNESS OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT. TO THE EXTENT OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>	DESIGNER: DMM DATE: 11/05 CHECKER: JMC DATE: 11/05 ENGINEER: DMM DATE: 11/05 MANAGER: MNL DATE: 11/05 FILE: 504370-001-04-010-1 SCALE:	TITLE: CUSTOMER CONNECTIONS HARDEES PUMP STATION USFCS PANEL 001 CLIENT: HARRIMAN, TN US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700	PROJECT: 504370 CODE: 001 DRAWING: E04 SHEET: 10 OF 12 REV: 1
1	AS SHIPPED	07/06	JVE	JMC	DMM								
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM								
B	AS SUBMITTED	02/06	JVE	DMM	DMM								
A	AS SUBMITTED	11/05	DMM	JVE	DMM								

1 PUMP NO. 1
A1 RTM613

2 PUMP NO. 2
A1 RTM713

3 NOT USED

4 RUN PUMP NO. 1 FAIL
HAND OFF AUTO
C1 XL614,XL625,HS603

5 RUN PUMP NO. 2 FAIL
HAND OFF AUTO
C1 TXL714,XL725,HS702

6 NOT USED

7 OVERTEMP PUMP NO. 1
RESET
B1 XL635,HS636

8 OVERTEMP PUMP NO. 2
RESET
B1 XL735,HS736

9 NOT USED

10 CONTROL POWER ON
A1 XL110

11 FLOAT HIGH LEVEL
A1 XL111

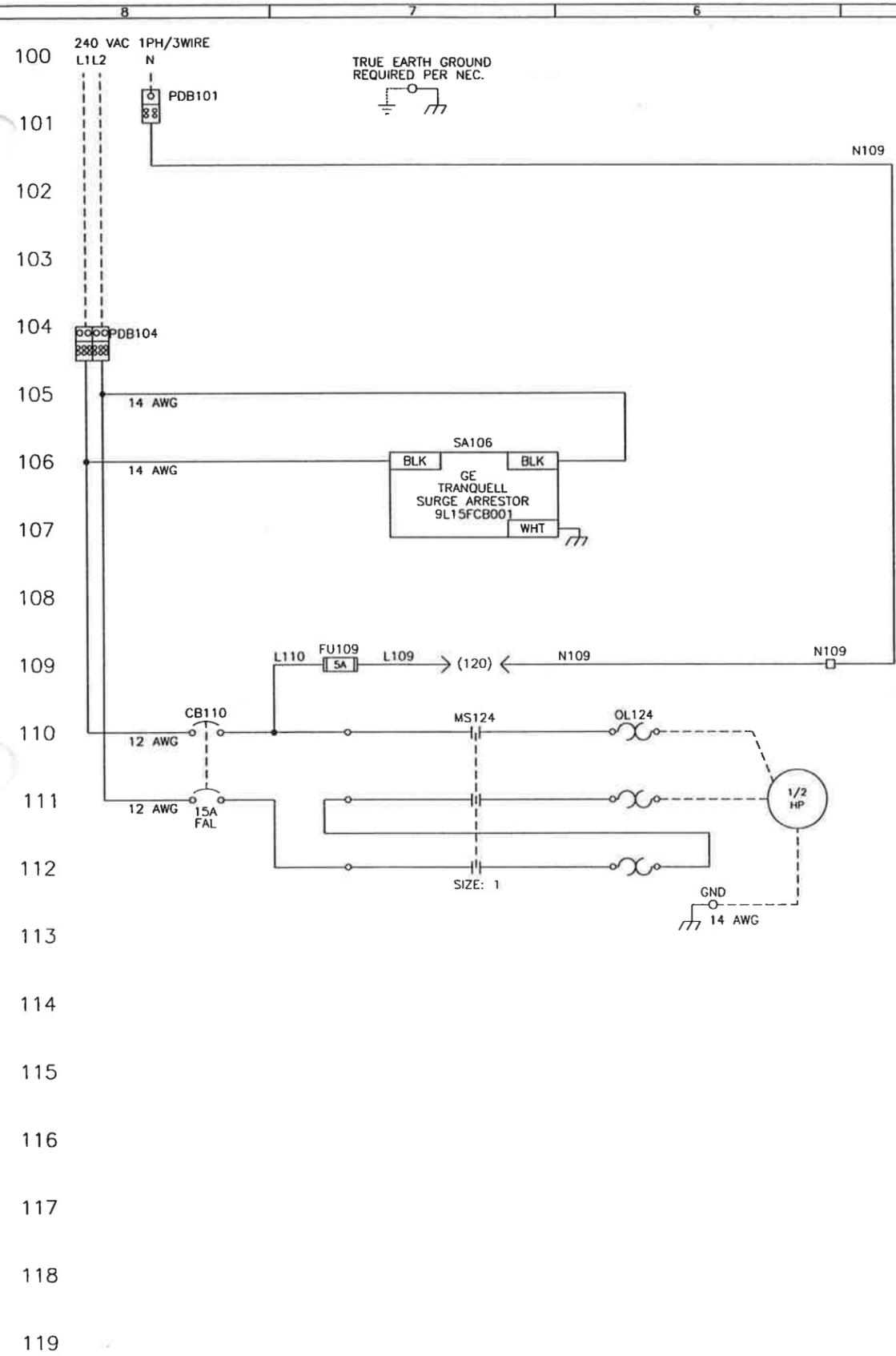
HARDEES PUMP STATION
SERIAL NO.:504370 PROD. CODE: LC2000
JOB NAME:HARRIMAN, TN
VOLTS: 120 HERTZ: 60 PHASE: 1 WIRE: 2
MAX. F.L.C.:10 LARG. MTR.: N/A H.P. N/A F.L.C.
DRAWING NO.: 504370-001 PRESSURE: N/A
SHORT CIRCUIT CURRENT:
5kA RMS SYMMETRICAL
120V MAXIMUM

CIRCUIT: L600A SHORT CIRCUIT CURRENT: 10KA
VOLTS: 120 HERTZ:60 PHASE:1 WIRE:2
MAX. F.L.C.: 10 LARG. MTR.:N/A H.P.N/A F.L.C.
CIRCUIT: L700A SHORT CIRCUIT CURRENT: 10KA
VOLTS: 120 HERTZ:60 PHASE:1 WIRE:2
MAX. F.L.C.: 10 LARG. MTR.:N/A H.P.N/A F.L.C.

12 ALARM SILENCE
A1 HS138

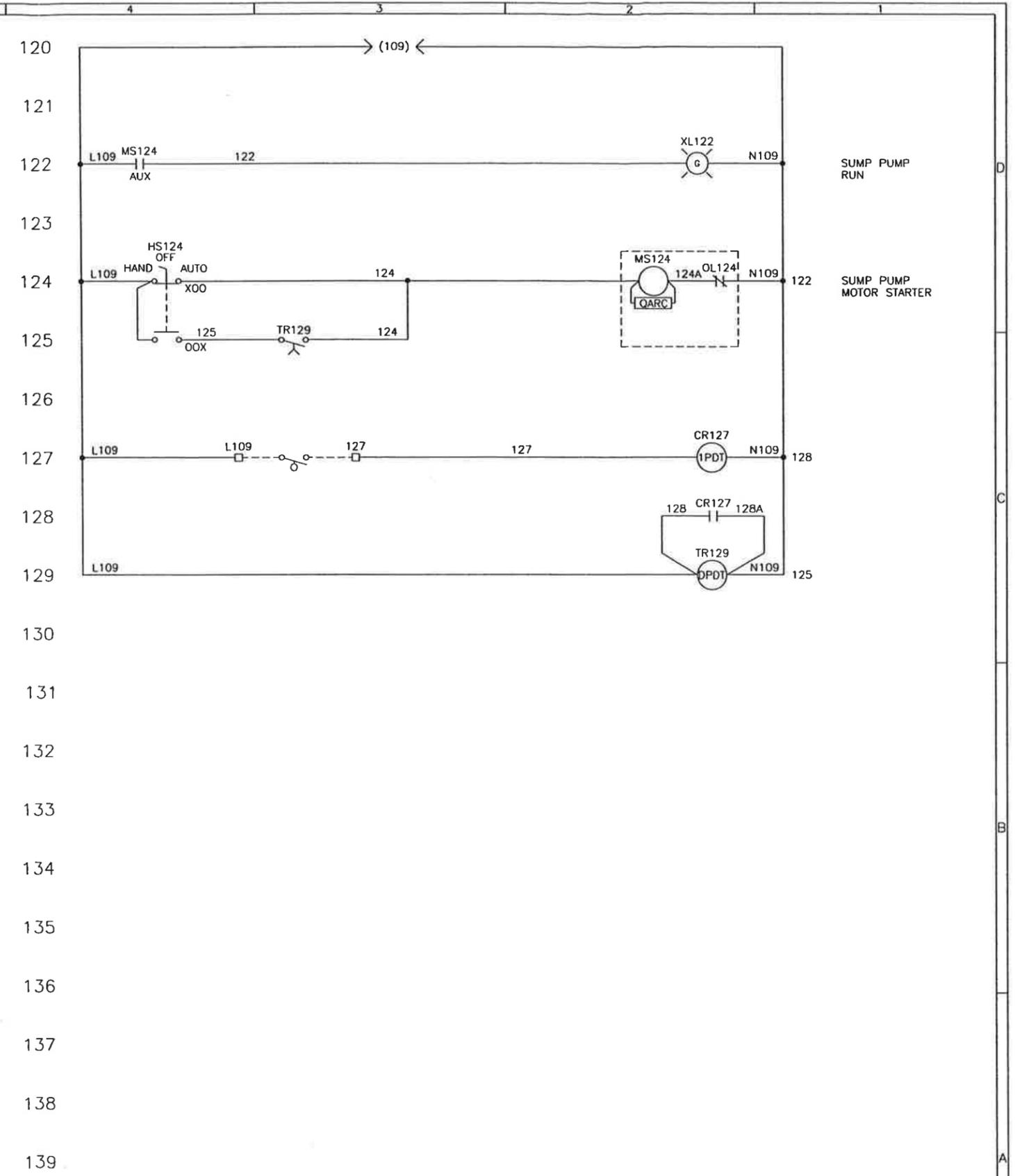
13 PUMP NO. 1
SS OFF LINE TEST
A1 HS603A

STD: 3-0200-24X36D1	INTL REF: 7061	BAR = 1" AT PLOT SCALE	REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH	<small>COMPANY CONFIDENTIAL</small> <small>ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR OTHER PROJECTS, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THE DOCUMENT, OR IN ANY MANNER ESTIMATING TO THE INTEREST OF USF. ALL PATENT RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</small>	DESIGNER	DATE	TITLE	NAMEPLATE SCHEDULE HARDEES PUMP STATION USFCS PANEL 001 CLIENT HARRIMAN, TN  US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700	PROJECT	CODE	DRAWING	SHEET	REV
			1	AS SHIPPED	07/06	JVE	JMC	DMM	DMM		11/28	504370	001		E06	12 OF 12	1		
			0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	DMM		11/28								
			B	AS SUBMITTED	02/06	JVE	DMM	DMM	DMM		11/28								
			A	AS SUBMITTED	11/28	DMM	JVE	DMM	DMM		11/28								



SURGE ARRESTOR

SUMP PUMP
F.L.C. - 4.9 EST
S.F. - 1.10 EST



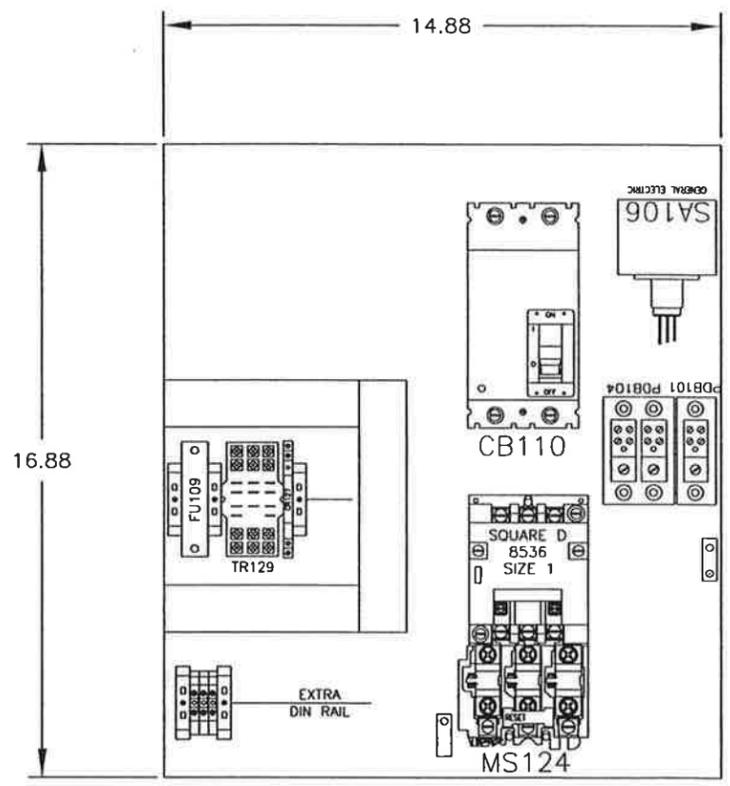
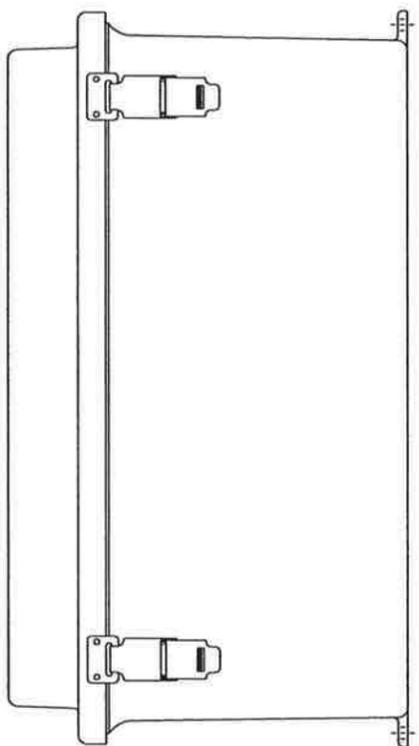
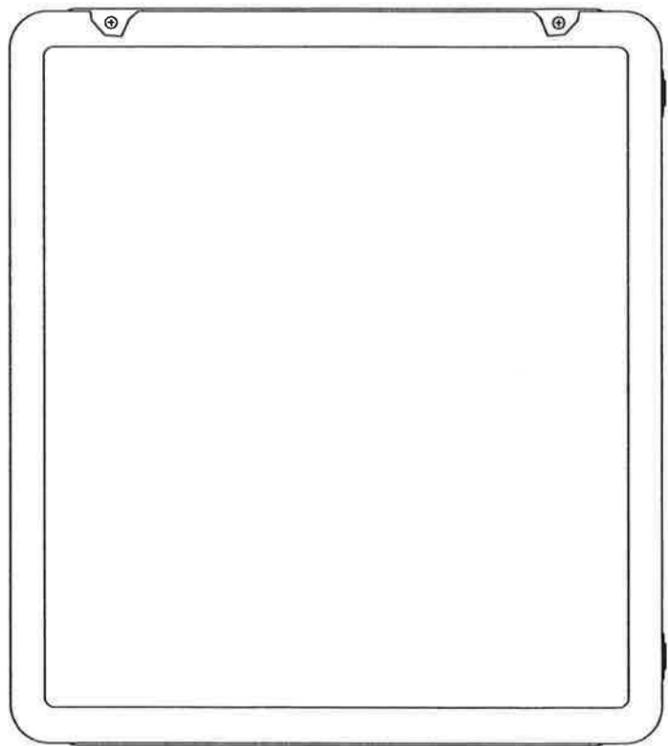
NOTES:
 1) FOR A COMPLETE LIST OF DRAWINGS AND PARTS REFER TO THE TABLE OF CONTENTS AND THE BILL OF MATERIALS.
 2) GROUNDING LUG TO BE GROUNDED BY CUSTOMER PER NEC.
 3) PULL ANALOG SIGNAL WIRES AND LOW VOLTAGE DC WIRES IN METALLIC CONDUIT SEPARATE FROM POWER/LOAD WIRING.
 4) SEE ELECTRICAL DEVICE FOR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

REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN
1	AS SHIPPED	06/06	JVE	JMC	DMM	
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	
A	AS SUBMITTED	11/05	DMM	JVE	DMM	

DESIGNER	DATE	TITLE
DMM	11/05	POWER PACK INCOMING POWER HARDEES SUMP PUMP CONTROL USFCS PANEL 004
CHECKER	DATE	CLIENT
JMC	11/05	HARRIMAN, TN
ENGINEER	DATE	MANAGER
DMM	11/05	MNL
MANAGER	DATE	FILE:
MNL	11/05	504370-004-ED4-001-1
SCALE:	NONE	PROJECT:
		504370
CODE:	004	DRAWING:
		E04
SHEET:	1 OF 3	REV:
		1

USFilter
 USFILTER CONTROL SYSTEMS
 VADNAIS HEIGHTS, MN
 PH. 651-766-2700

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



SID: 3-0200-24X36D1	INTL REF: 7064	BAR = 1" AT PLOT SCALE	<p>ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THE DOCUMENT. IN NO EVENT SHALL THE DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER REFERENCED TO THE INTEREST OF USF. ALL RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>					DESIGNER	DATE	TITLE ENCLOSURE AND BACK PANEL LAYOUT HARDEES SUMP PUMP CONTROL USFCS PANEL 004 CLIENT HARRIMAN, TN USFilter US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700	
			DMM	11/05	CHECKER	DATE					
			JMC	11/05	ENGINEER	DATE					
			DMM	11/05	MANAGER	DATE					
1	AS SHIPPED	06/06	JVE	JMC	DMM	FILE: 504370-004-E03-003-1	PROJECT	CODE	DRAWING	SHEET	REV
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	SCALE: NONE	504370	004	E03	2 OF 3	1
A	AS SUBMITTED	11/05	DMM	JVE	DMM						
REV	DESCRIPTION	DATE	DRN	CHKD	APVD	ECH					

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

HARDEES SUMP PUMP PANEL

SERIAL NO.: 504370 PROD. CODE: POWERPACK

JOB NAME: HARRIMAN, TN

VOLTS: 240 HERTZ: 60 PHASE: 1 WIRE: 3

MAX. F.L.C.: 10 LARG. MTR.: .5 H.P. 4.9 F.L.C.

DRAWING NO.: 504370-004 PRESSURE: N/A

SHORT CIRCUIT CURRENT:
5kA RMS SYMMETRICAL
240V MAXIMUM

1

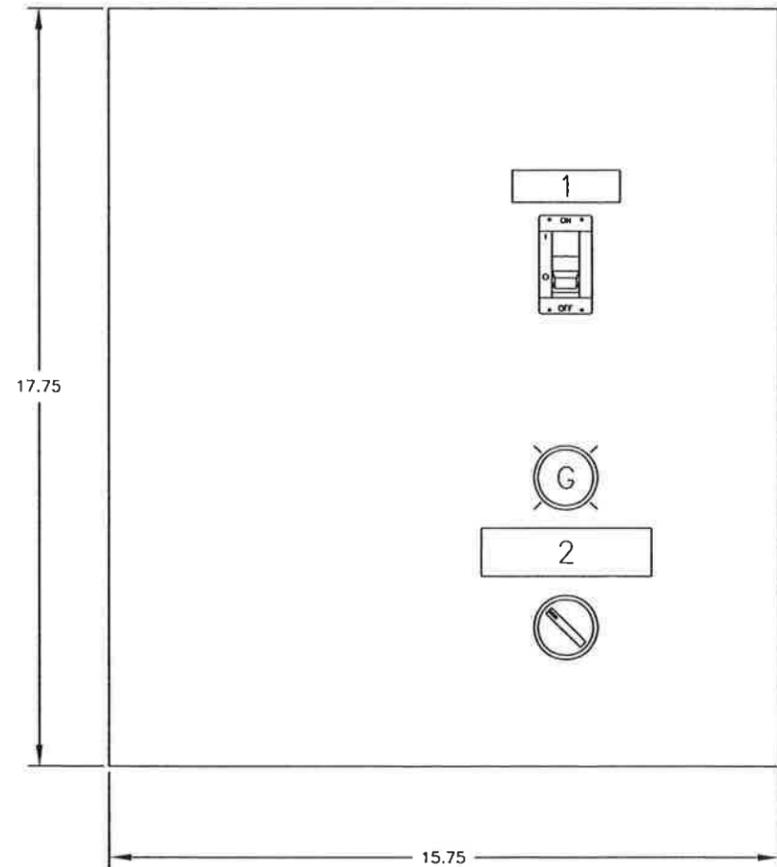
SUMP PUMP

A1 TAG: CB110

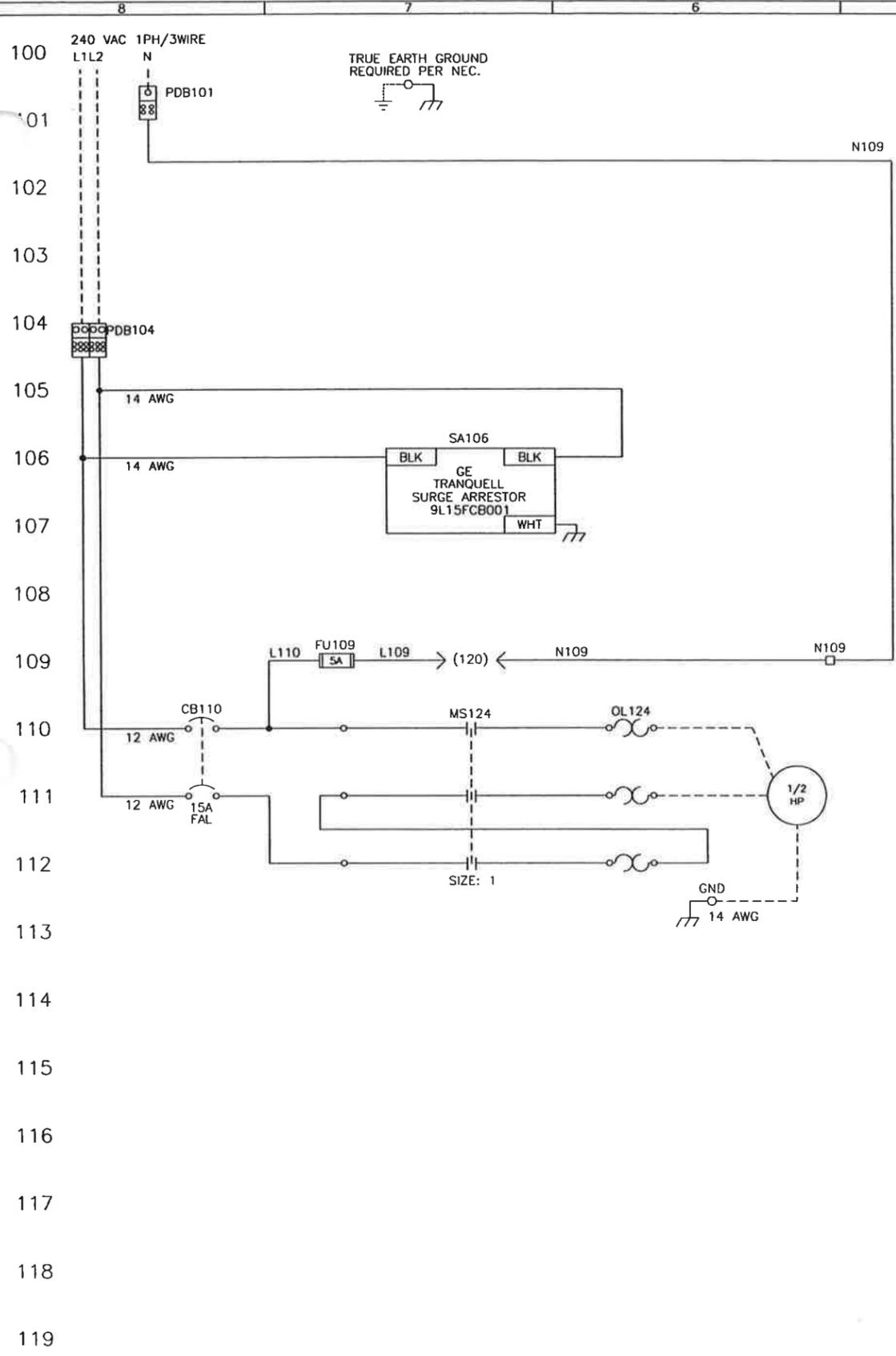
2

RUN
SUMP PUMP
HAND OFF AUTO

C1 TAG: HS124

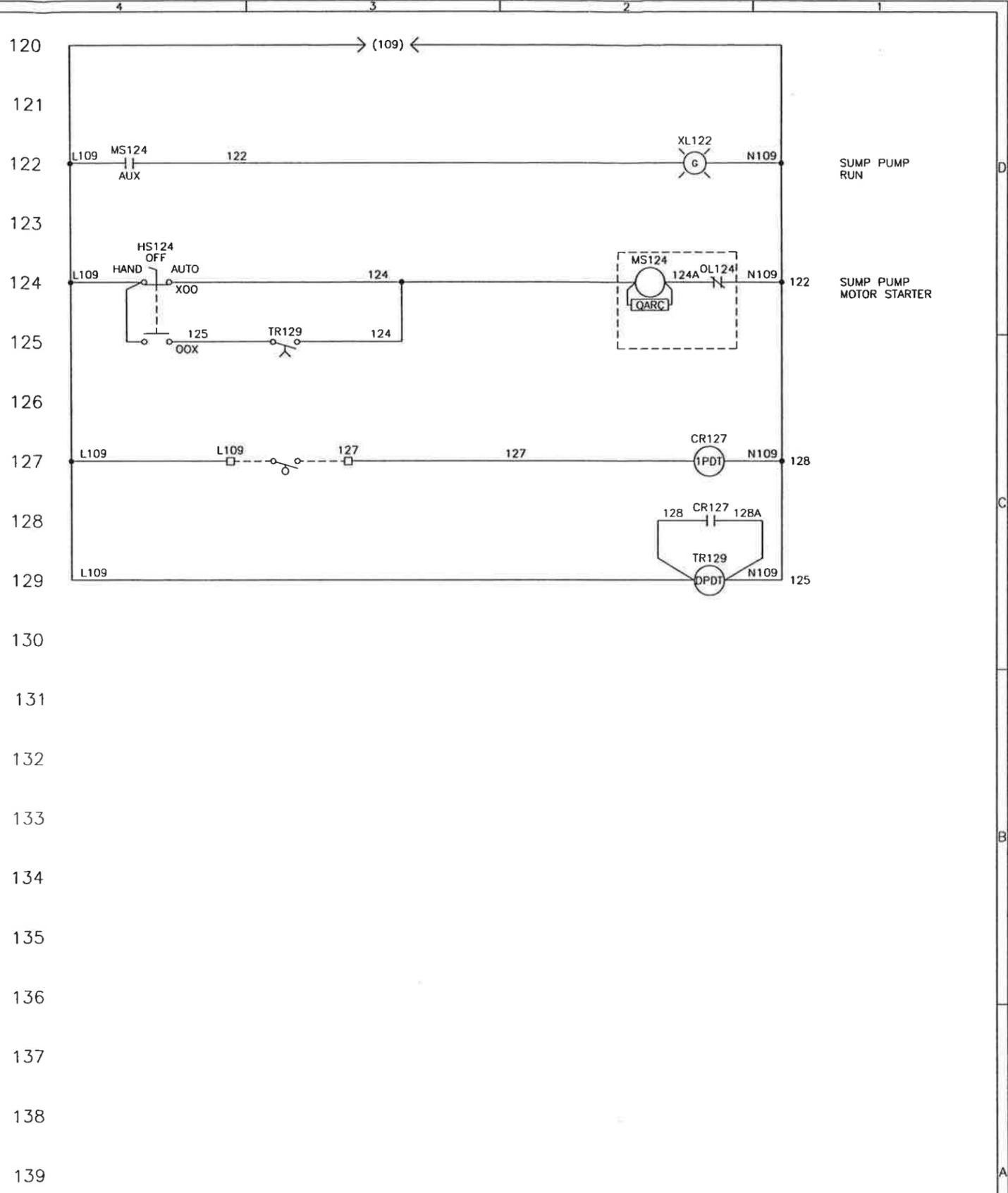


STD: 3-0200-24X3601	INTL REF: 7064	BAR = 1" AT PLOT SCALE	<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DWN</th> <th>CHKD</th> <th>APVD</th> <th>EDN</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>AS SHIPPED</td> <td>06/06</td> <td>JVE</td> <td>JMC</td> <td>DMM</td> <td></td> </tr> <tr> <td>0</td> <td>ISSUED FOR CONSTRUCTION</td> <td>03/06</td> <td>JVE</td> <td>JMC</td> <td>DMM</td> <td></td> </tr> <tr> <td>A</td> <td>AS SUBMITTED</td> <td>11/05</td> <td>DMM</td> <td>JVE</td> <td>DMM</td> <td></td> </tr> </tbody> </table>	REV	DESCRIPTION	DATE	DWN	CHKD	APVD	EDN	1	AS SHIPPED	06/06	JVE	JMC	DMM		0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM		A	AS SUBMITTED	11/05	DMM	JVE	DMM		<p style="text-align: center;">COMPANY CONFIDENTIAL</p> <p>ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF US FILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE, FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE REPRODUCED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANOTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THIS DOCUMENT. IN NO EVENT SHALL THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF USF. ALL PATENT RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>	<table border="1"> <tr> <td>DESIGNER</td> <td>DATE</td> </tr> <tr> <td>DMM</td> <td>11/05</td> </tr> <tr> <td>CHECKER</td> <td>DATE</td> </tr> <tr> <td>JMC</td> <td>11/05</td> </tr> <tr> <td>ENGINEER</td> <td>DATE</td> </tr> <tr> <td>DMM</td> <td>11/05</td> </tr> <tr> <td>MANAGER</td> <td>DATE</td> </tr> <tr> <td>MNL</td> <td>11/05</td> </tr> <tr> <td>FILE:</td> <td></td> </tr> <tr> <td>504370-004-003-1</td> <td></td> </tr> <tr> <td>SCALE:</td> <td>NONE</td> </tr> </table>	DESIGNER	DATE	DMM	11/05	CHECKER	DATE	JMC	11/05	ENGINEER	DATE	DMM	11/05	MANAGER	DATE	MNL	11/05	FILE:		504370-004-003-1		SCALE:	NONE	<table border="1"> <tr> <td colspan="2">TITLE</td> <td colspan="2">ENCLOSURE AND BACK PANEL LAYOUT HARDEES SUMP PUMP CONTROL USFCS PANEL 004</td> </tr> <tr> <td colspan="2">CLIENT</td> <td colspan="2">HARRIMAN, TN</td> </tr> <tr> <td colspan="2">PROJECT</td> <td>504370</td> <td>004</td> </tr> <tr> <td colspan="2">DRAWING</td> <td>E02</td> <td>3 OF 3</td> </tr> <tr> <td colspan="2">SHEET</td> <td>3</td> <td>1</td> </tr> <tr> <td colspan="2">REV</td> <td></td> <td></td> </tr> </table> <p style="text-align: right; font-weight: bold; font-size: 12px;"> US FILTER CONTROL SYSTEMS WADNAIS HEIGHTS, MN PH. 651-766-2700 </p>	TITLE		ENCLOSURE AND BACK PANEL LAYOUT HARDEES SUMP PUMP CONTROL USFCS PANEL 004		CLIENT		HARRIMAN, TN		PROJECT		504370	004	DRAWING		E02	3 OF 3	SHEET		3	1	REV			
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REV																																																																																



SURGE ARRESTOR

SUMP PUMP
 F.L.C. - 4.9 EST
 S.F. - 1.10 EST



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BAR = 1" AT PLOT SCALE

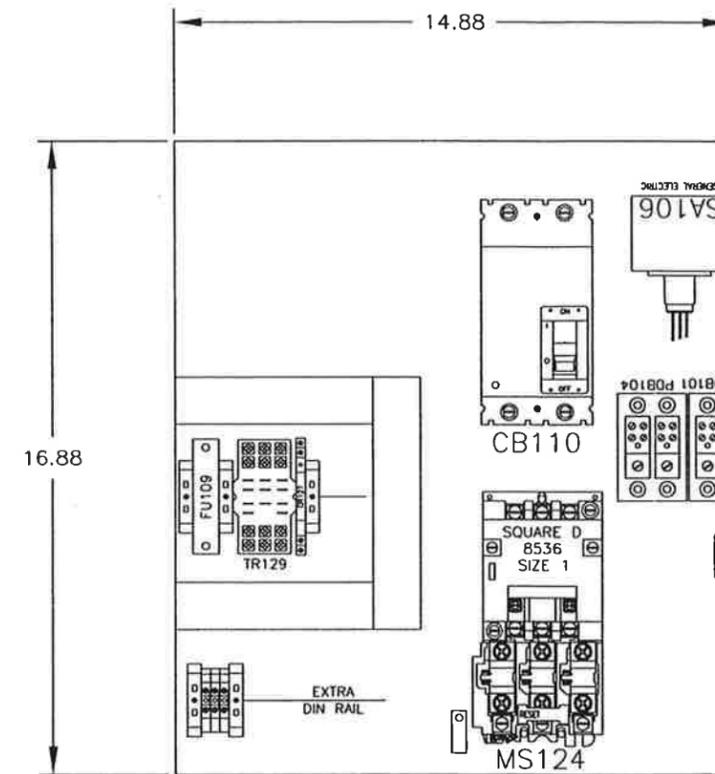
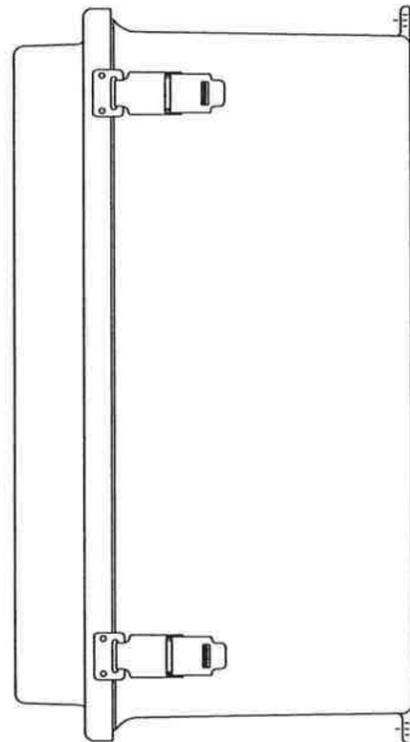
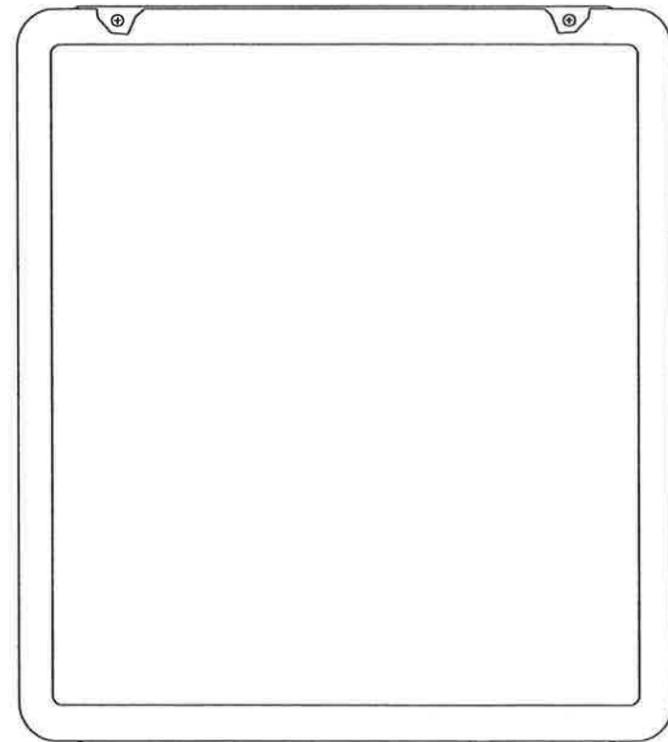
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN
1	AS SHIPPED	06/06	JVE	JMC	DMM	
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	
A	AS SUBMITTED	11/05	DMM	JVE	DMM	

DESIGNER: DMM DATE: 11/05
 CHECKER: JAC DATE: 11/05
 ENGINEER: DMM DATE: 11/05
 MANAGER: DMM DATE: 11/05
 FILE: 504370-005-ED4-001-1
 SCALE: NONE

TITLE: POWER PACK INCOMING POWER
 WEBB SUMP PUMP CONTROL
 USFCS PANEL 005
 CLIENT: HARRIMAN, TN

 USFILTER CONTROL SYSTEMS
 VADNAIS HEIGHTS, MN
 PH. 651-766-2700
 PROJECT: 504370 CODE: 005 DRAWING: E04 SHEET: 1 OF 3 REV: 1

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

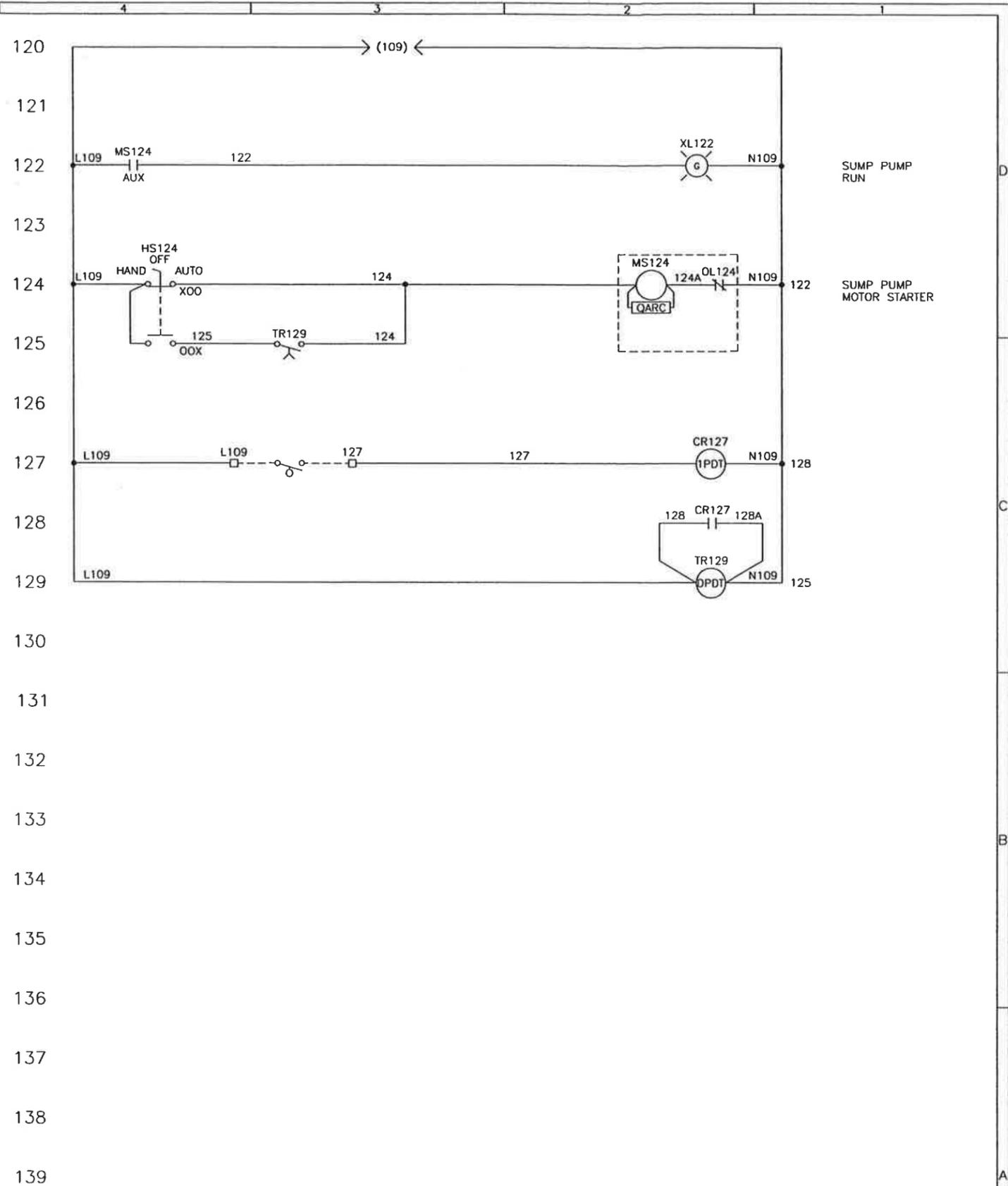
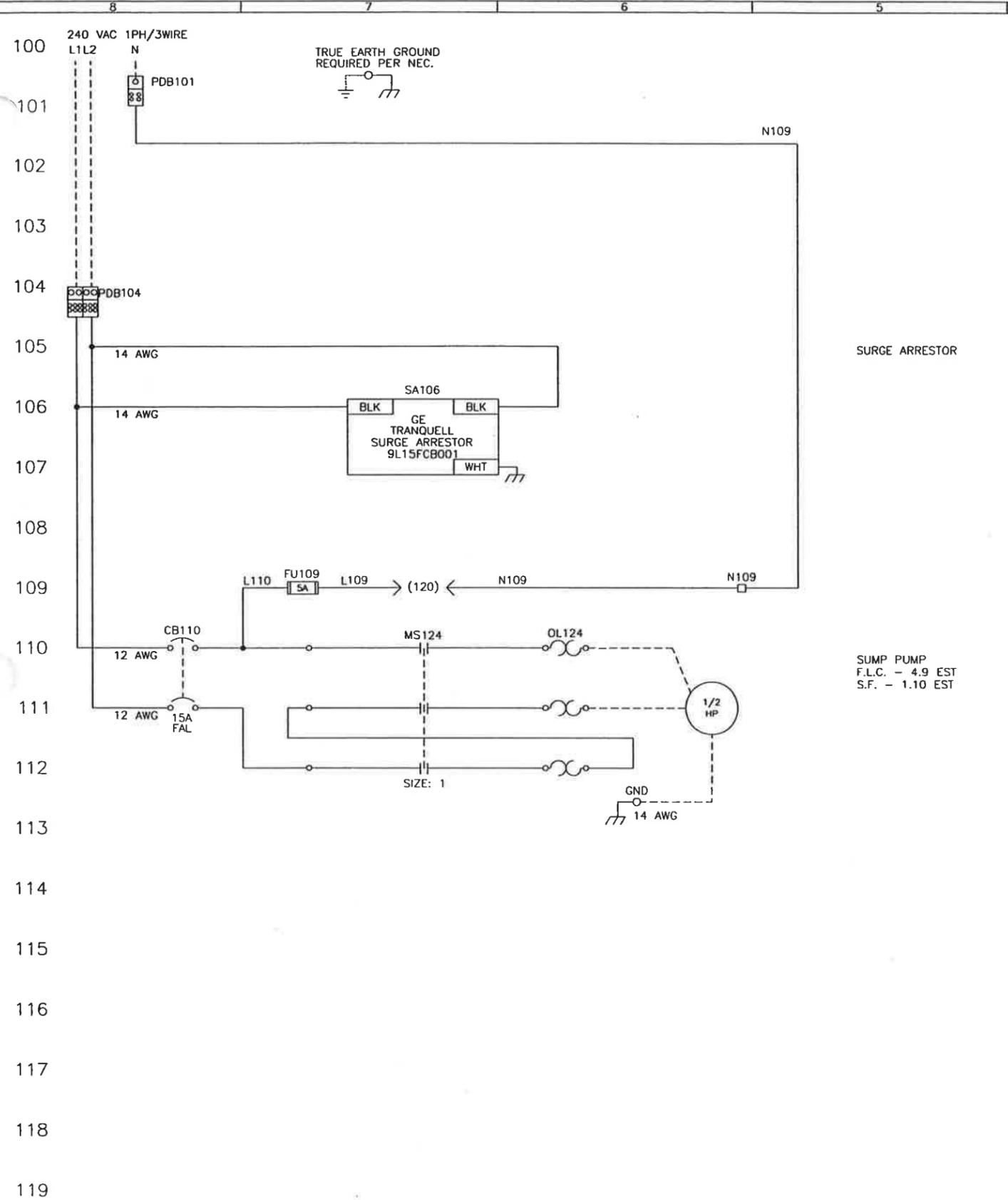


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DESIGNER	DATE	TITLE
DMM	11/05	ENCLOSURE AND BACK PANEL LAYOUT
CHECKER	DATE	WEBB SUMP PUMP CONTROL
JMC	11/05	USFCS PANEL 005
ENGINEER	DATE	CLIENT
DMM	11/05	HARRIMAN, TN
MANAGER	DATE	US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700
MH	11/05	
FILE:	504370-005-003-002-1	PROJECT
SCALE:	NONE	CODE
		E03
		DRAWING
		SHEET
		2 OF 3
		REV
		1

REV	DESCRIPTION	DATE	DMN	CHKD	APVD	ECH
1	AS SHIPPED	06/06	JVE	JMC	DMM	
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	
A	AS SUBMITTED	11/05	DMM	JVE	DMM	

BAR = 1" AT PLOT SCALE



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 ENTRANCE RATED ENCLOSURE. ALL WIRES ARE 16 AWG UNLESS SPECIFIED.

REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN
1	AS SHIPPED	06/06	JVE	JMC	DMM	
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	
A	AS SUBMITTED	11/05	DMM	JVE	DMM	

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DESIGNER: DMM DATE: 11/05
 CHECKER: JMC DATE: 11/05
 ENGINEER: DMM DATE: 11/05
 MANAGER: MN DATE: 11/05

FILE: 504370-006-EDM-001-1
 SCALE: NONE

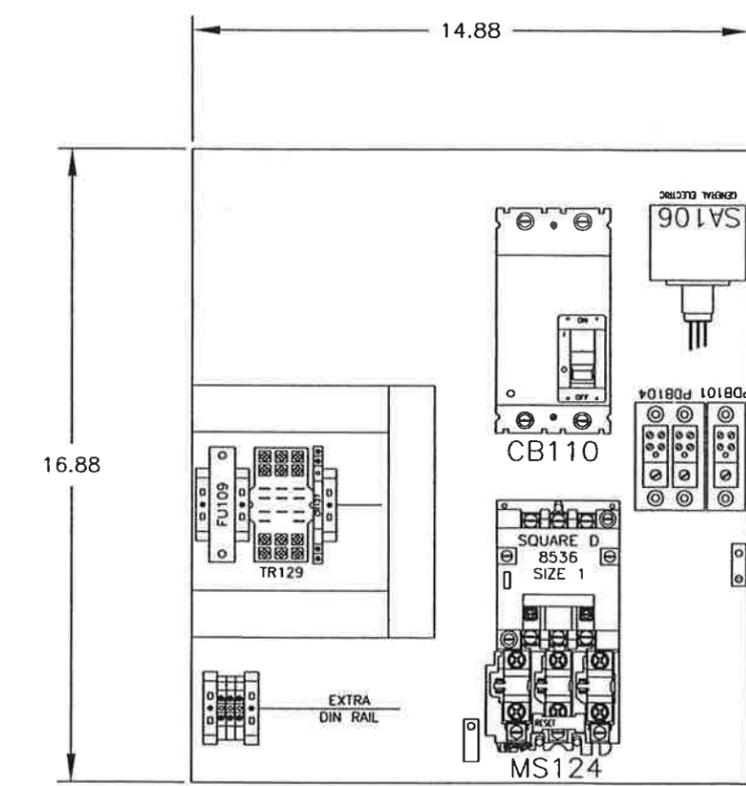
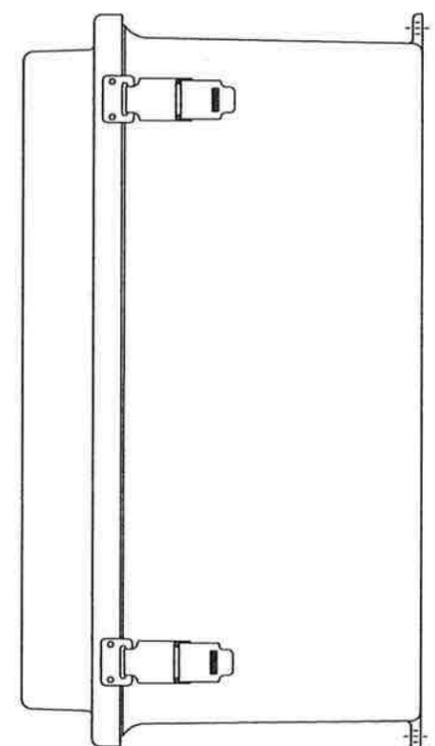
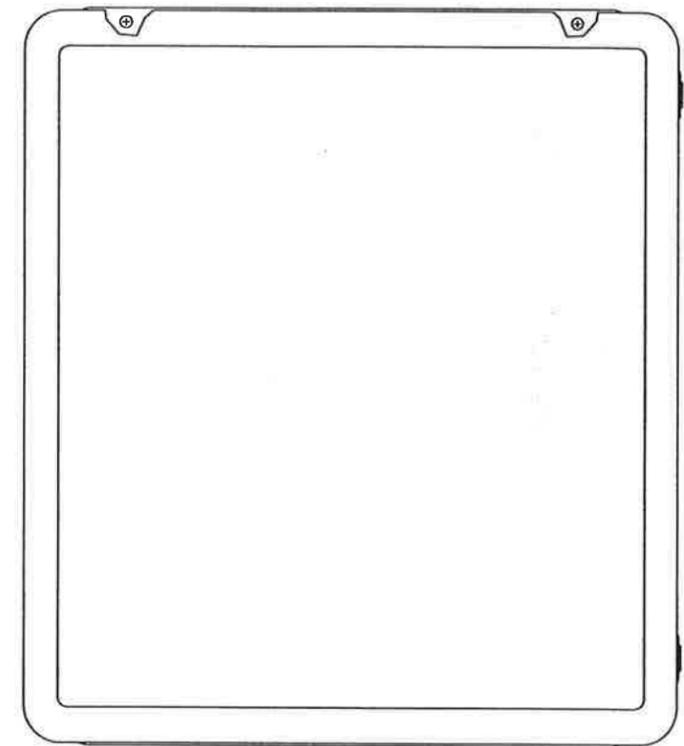
PROJECT		CODE		DRAWING		SHEET		REV	
504370		006		EO4		1 OF 3		1	

TITLE: POWER PACK INCOMING POWER
 WOODY SUMP PUMP CONTROL
 USFCS PANEL 006

CLIENT: HARRIMAN, TN

USFilter
 USFILTER CONTROL SYSTEMS
 VADNAIS HEIGHTS, MN
 PH. 651-766-2700

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



STD: 3-0200-24X3601	INTL REF: 7066	BAR = 1" AT PLOT SCALE	<p>COMPANY CONFIDENTIAL ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANOTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE FINESSE OR PURPOSE OF THIS DOCUMENT. IN NO EVENT SHALL THE OCCASION OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER DETERMINED TO THE WITNESS OF USF, ALL PATENT RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>						DESIGNER DMM	DATE 11/05	TITLE ENCLOSURE AND BACK PANEL LAYOUT WOODY SUMP PUMP CONTROL USFCS PANEL 006 CLIENT HARRIMAN, TN US FILTER CONTROL SYSTEMS YADNIS HEIGHTS, MN PH. 651-766-2700
			CHECKER JMC	DATE 11/05	ENGINEER DMM	DATE 11/05					
			MANAGER MM	DATE 11/05	FILE: 504370-006-003-002-1	SCALE: NONE					
			PROJECT 504370	CODE 006	DRAWING E03	SHEET 2 OF 3	REV 1				

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

WOODY SUMP PUMP PANEL

SERIAL NO.: 504370 PROD. CODE: POWERPACK

JOB NAME: HARRIMAN, TN

VOLTS: 240 HERTZ: 60 PHASE: 1 WIRE: 3

MAX. F.L.C.: 10 LARG. MTR.: .5 H.P. 4.9 F.L.C.

DRAWING NO.: 504370-006 PRESSURE: N/A

SHORT CIRCUIT CURRENT:
5kA RMS SYMMETRICAL
240V MAXIMUM

1

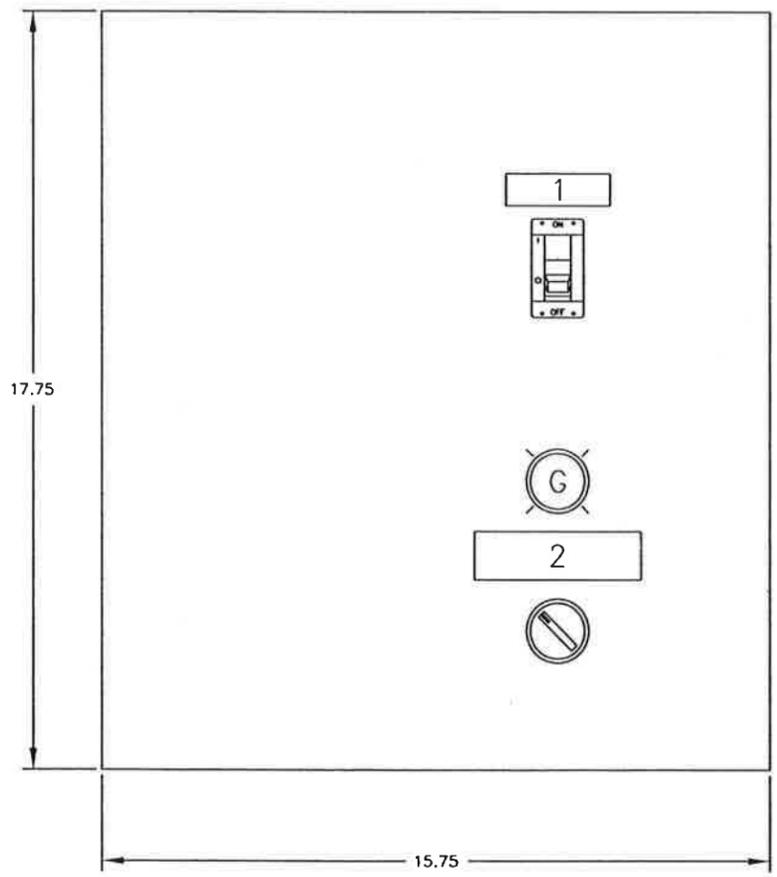
SUMP PUMP

A1 TAG: CB110

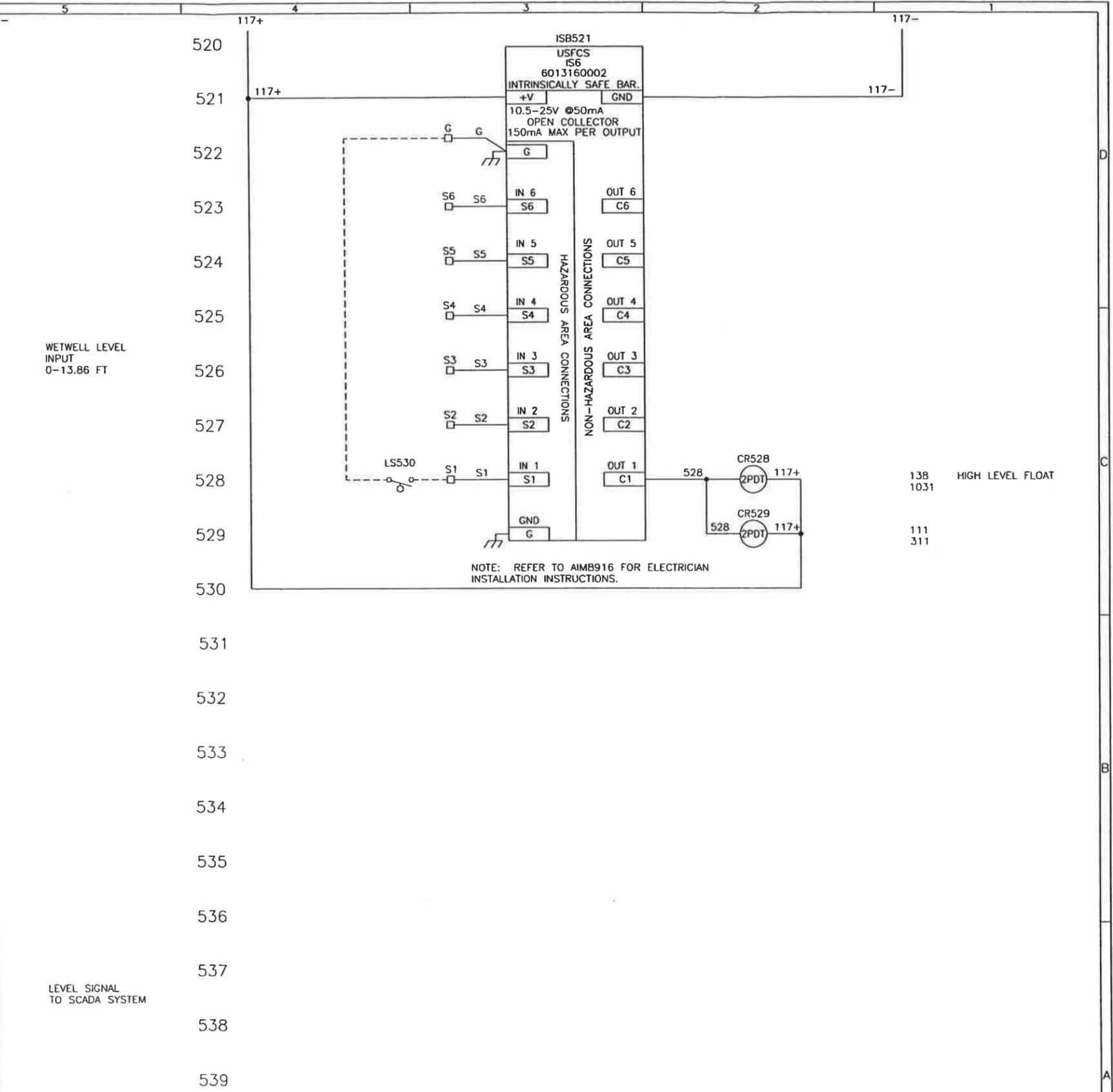
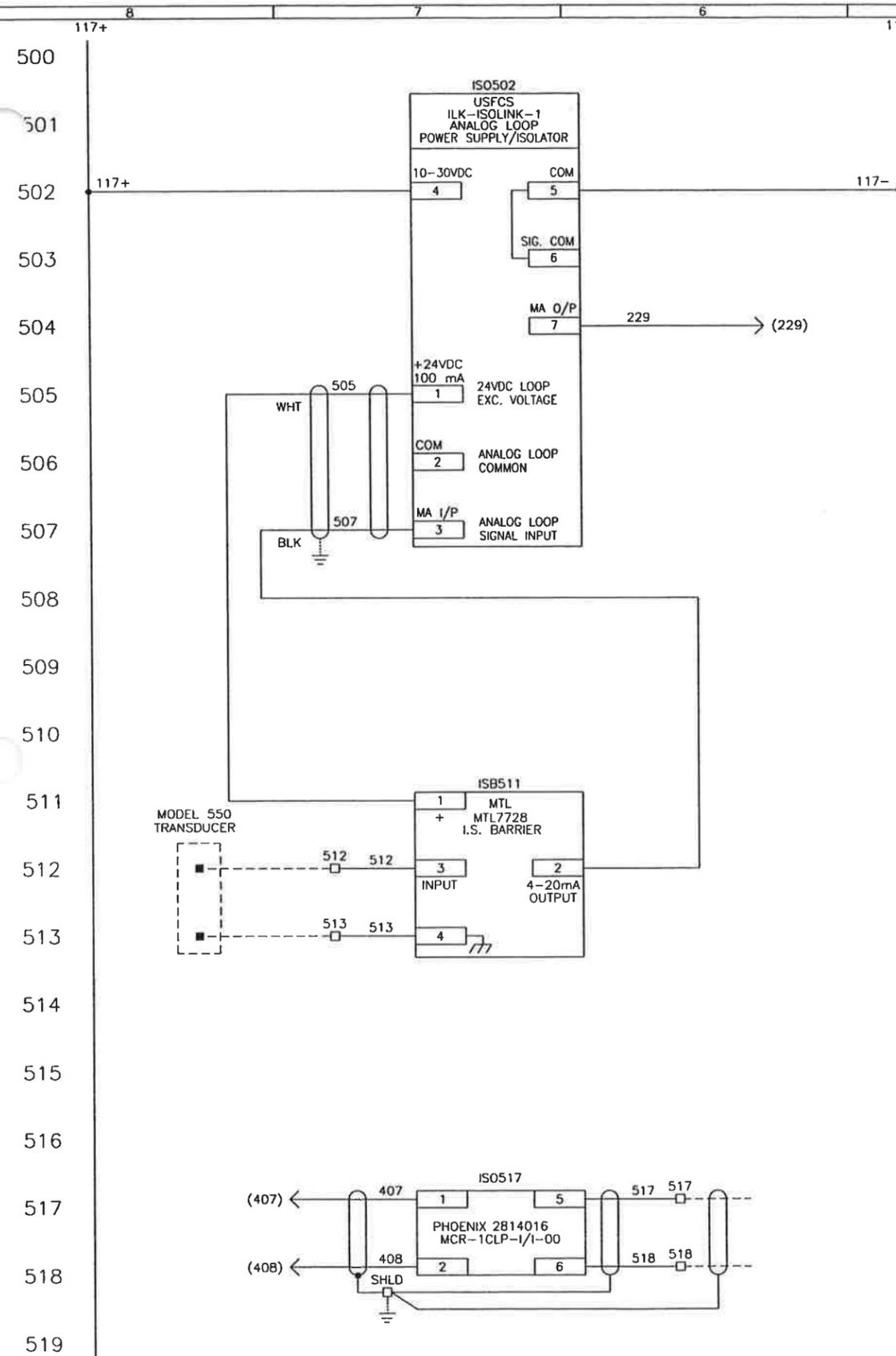
2

RUN
SUMP PUMP
HAND OFF AUTO

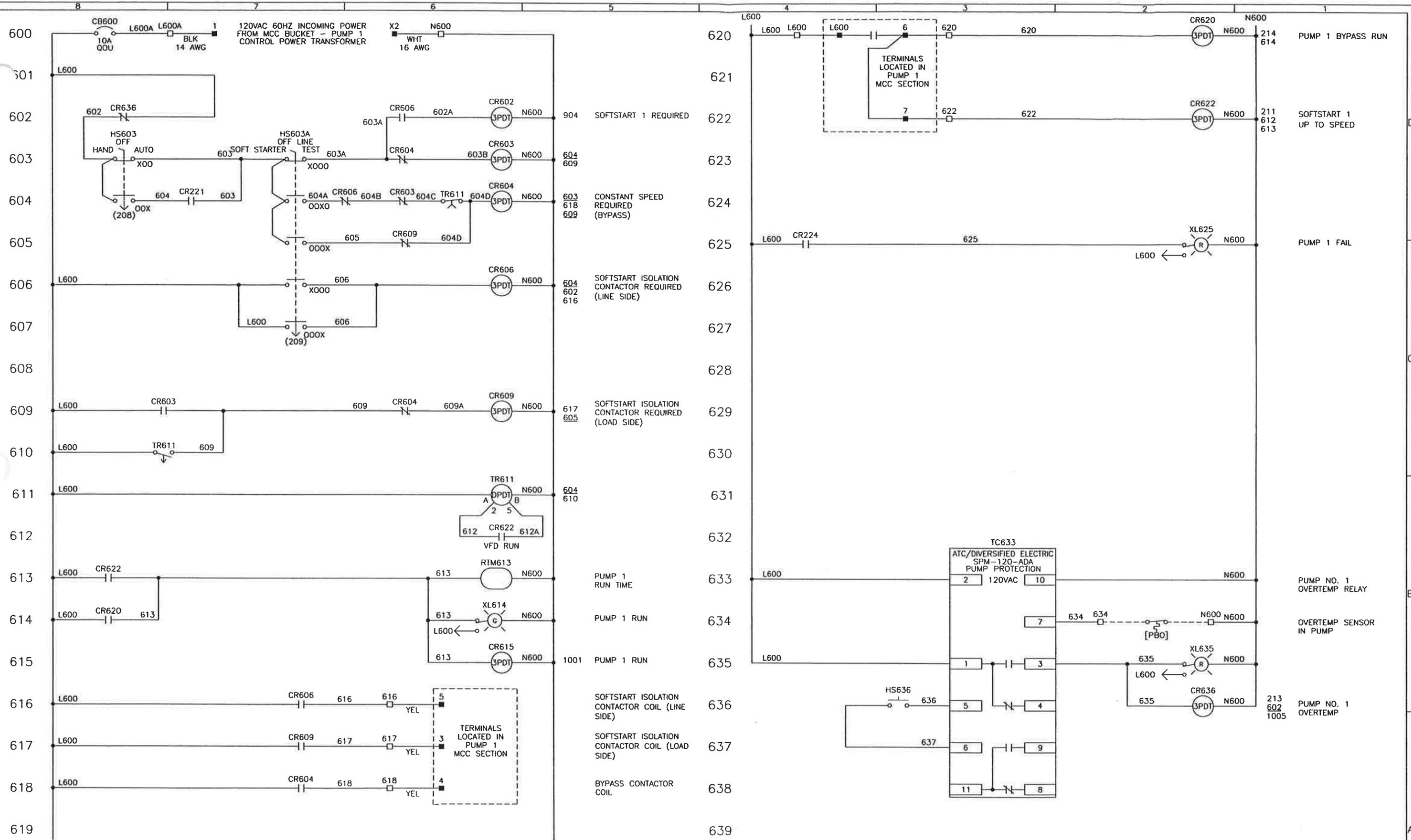
C1 TAG: HS124



STD: 3-0200-24X3601	INTL REF: 7066	BAR = 1" AT PLOT SCALE	<small>COMPANY CONFIDENTIAL</small> <small>ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TO BE TRANSMITTED, REPRODUCED, COPIED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THIS DOCUMENT. IN NO EVENT SHALL THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF USF. ALL INQUIRY RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</small>					DESIGNER DMM	DATE 11/05	TITLE ENCLOSURE AND BACK PANEL LAYOUT WOODY SUMP PUMP CONTROL USFCS PANEL 006
			CHECKER JMC	DATE 11/05	CLIENT HARRIMAN, TN					
			ENGINEER DMM	DATE 11/05	US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700					
			MANAGER MNL	DATE 11/05					PROJECT 504370	CODE 006



1	AS SHIPPED	07/06	JVE	JMC	DMM															
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM															
B	AS SUBMITTED	02/06	JVE	DMM	DMM															
A	AS SUBMITTED	11/05	DMM	JVE	DMM															

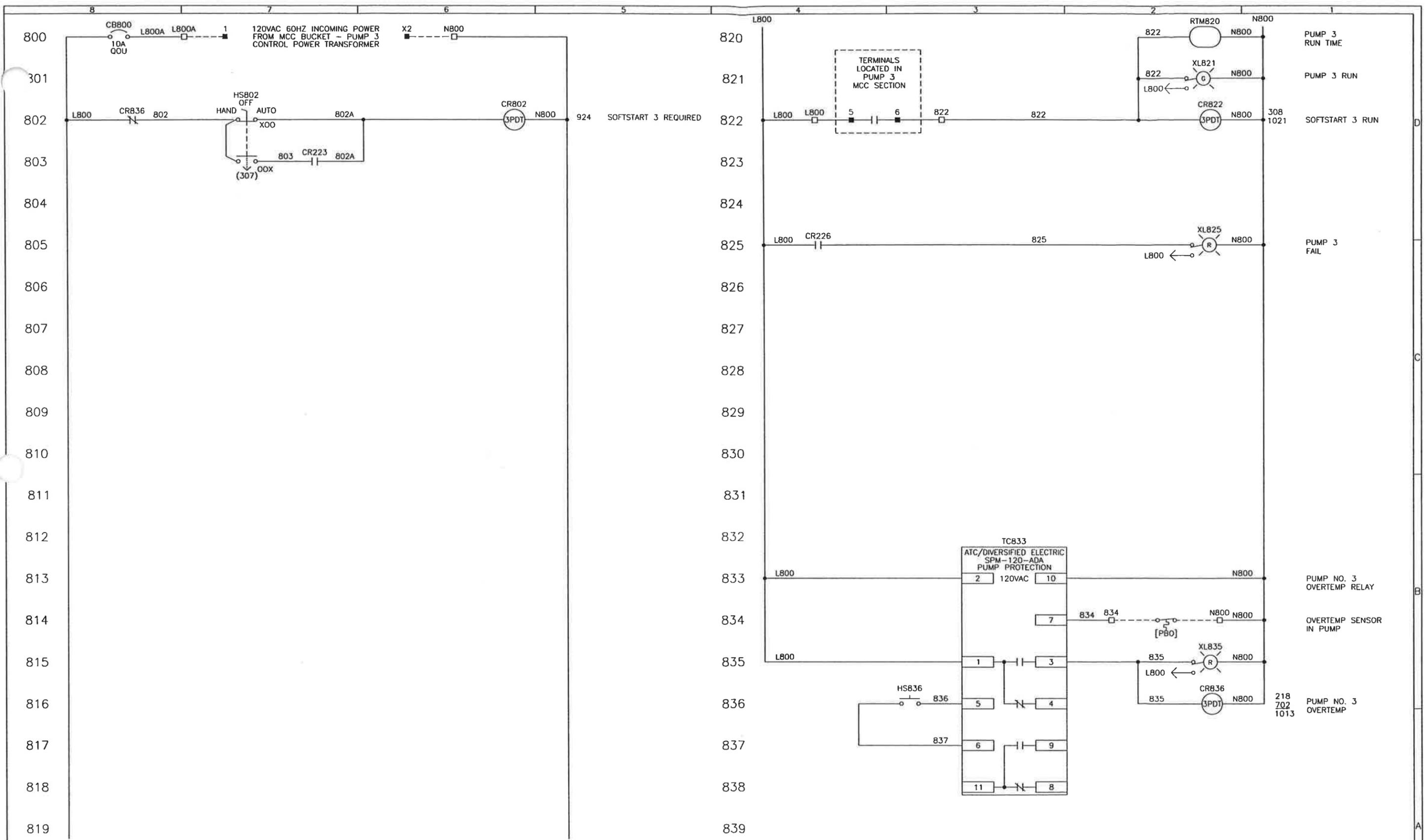


<p>120VAC 60HZ INCOMING POWER FROM MCC BUCKET - PUMP 1 CONTROL POWER TRANSFORMER</p> <p>10A OOU L600A L600A BLK 14 AWG</p> <p>X2 WHT 16 AWG N600</p>									
1	AS SHIPPED	07/06	JVE	JMC	DMM				
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM				
B	AS SUBMITTED	02/06	JVE	DMM	DMM				
A	AS SUBMITTED	11/05	DMM	JVE	DMM				

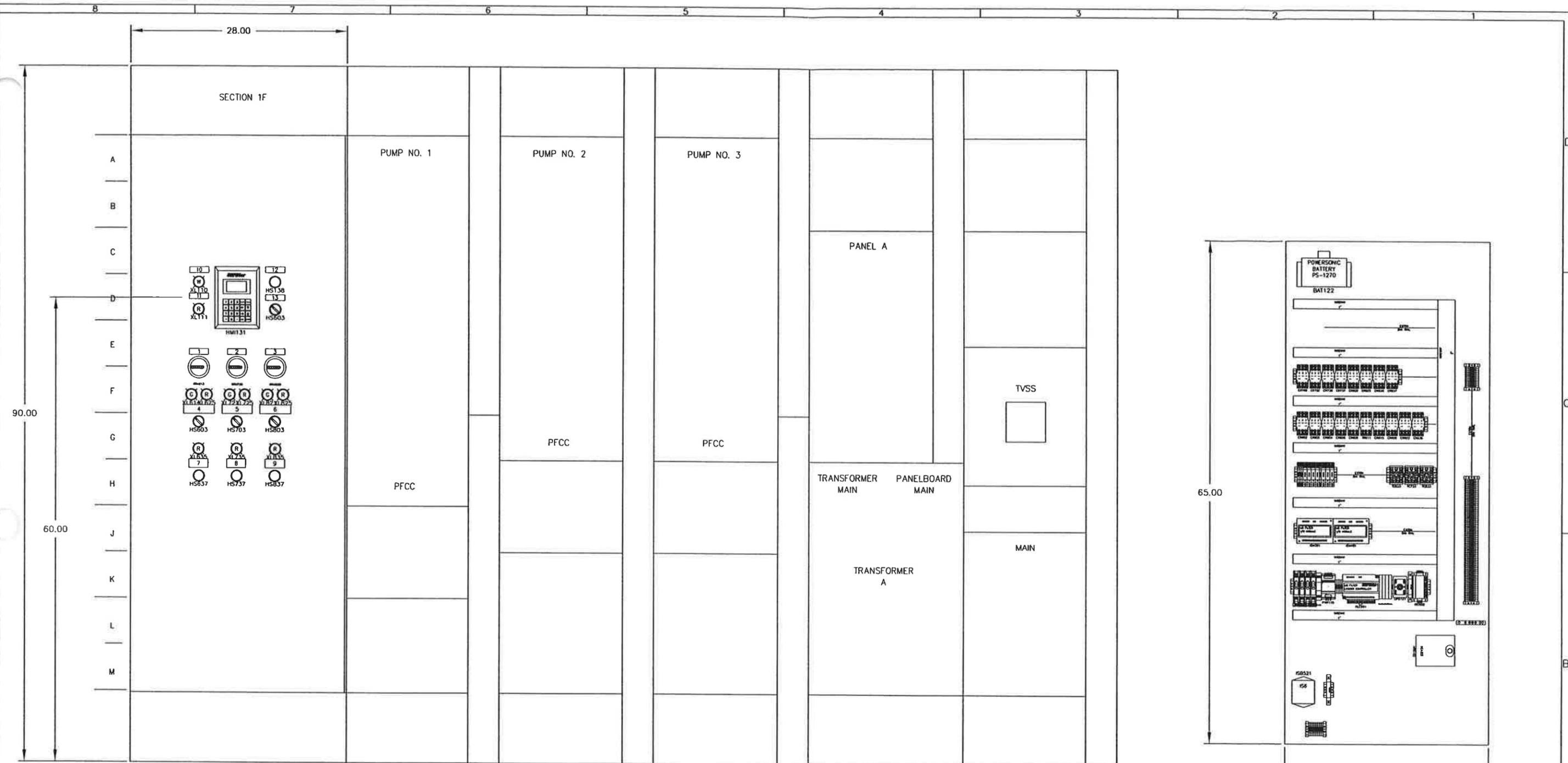
DESIGNER	DATE	TITLE
DMM	11/05	PUMP 1 CONTROL
CHECKER	DATE	WEBB PUMP STATION
JMC	11/05	USFCS PANEL 002
ENGINEER	DATE	CLIENT
DMM	11/05	HARRIMAN, TN
MANAGER	DATE	
MN	11/05	
FILE:	504370-002-C04-006-1	
SCALE:		

PROJECT	CODE	DRAWING	SHEET	REV
504370	002	E04	6 OF 12	1

USFilter	US FILTER CONTROL SYSTEMS
	VADNAIS HEIGHTS, MN
	PH. 651-766-2700



STD: 3-0200-24X3601	INTL REF: 7062	BAR = 1" AT PLOT SCALE	<table border="1"> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DWN</th> <th>CHD</th> <th>APVD</th> <th>ECH</th> </tr> <tr> <td>1</td> <td>AS SHIPPED</td> <td>07/06</td> <td>JVE</td> <td>JMC</td> <td>DMM</td> <td></td> </tr> <tr> <td>0</td> <td>ISSUED FOR CONSTRUCTION</td> <td>03/06</td> <td>JVE</td> <td>JMC</td> <td>DMM</td> <td></td> </tr> <tr> <td>B</td> <td>AS SUBMITTED</td> <td>02/06</td> <td>JVE</td> <td>DMM</td> <td>DMM</td> <td></td> </tr> <tr> <td>A</td> <td>AS SUBMITTED</td> <td>11/05</td> <td>DMM</td> <td>JVE</td> <td>DMM</td> <td></td> </tr> </table>	REV	DESCRIPTION	DATE	DWN	CHD	APVD	ECH	1	AS SHIPPED	07/06	JVE	JMC	DMM		0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM		B	AS SUBMITTED	02/06	JVE	DMM	DMM		A	AS SUBMITTED	11/05	DMM	JVE	DMM		<p>COMPANY CONFIDENTIAL</p> <p>ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THE DOCUMENT. NO INDEMNITY SHALL BE OBTAINED BY THE USER OF THIS DOCUMENT OR INFORMATION CONTAINED HEREIN. ALL RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p> <table border="1"> <tr> <td>DESIGNER</td> <td>DATE</td> </tr> <tr> <td>DMM</td> <td>11/05</td> </tr> <tr> <td>CHECKER</td> <td>DATE</td> </tr> <tr> <td>JMC</td> <td>11/05</td> </tr> <tr> <td>ENGINEER</td> <td>DATE</td> </tr> <tr> <td>DMM</td> <td>11/05</td> </tr> <tr> <td>MANAGER</td> <td>DATE</td> </tr> <tr> <td>MN</td> <td>11/05</td> </tr> </table> <p>FILE: 504370-002-ED4-008-1 SCALE:</p>	DESIGNER	DATE	DMM	11/05	CHECKER	DATE	JMC	11/05	ENGINEER	DATE	DMM	11/05	MANAGER	DATE	MN	11/05	<table border="1"> <tr> <td>TITLE</td> <td>PUMP 3 CONTROL WEBB PUMP STATION USFCS PANEL 002</td> </tr> <tr> <td>CLIENT</td> <td>HARRIMAN, TN</td> </tr> <tr> <td>PROJECT</td> <td>504370</td> </tr> <tr> <td>CODE</td> <td>002</td> </tr> <tr> <td>DRAWING</td> <td>E04</td> </tr> <tr> <td>SHEET</td> <td>8 OF 12</td> </tr> <tr> <td>REV</td> <td>1</td> </tr> </table>	TITLE	PUMP 3 CONTROL WEBB PUMP STATION USFCS PANEL 002	CLIENT	HARRIMAN, TN	PROJECT	504370	CODE	002	DRAWING	E04	SHEET	8 OF 12	REV	1
REV	DESCRIPTION	DATE	DWN	CHD	APVD	ECH																																																																
1	AS SHIPPED	07/06	JVE	JMC	DMM																																																																	
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CLIENT	HARRIMAN, TN																																																																					
PROJECT	504370																																																																					
CODE	002																																																																					
DRAWING	E04																																																																					
SHEET	8 OF 12																																																																					
REV	1																																																																					



MOTOR CONTROL CENTER

<p>COMPANY CONFIDENTIAL ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSES FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE REPRODUCED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANOTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THIS DOCUMENT. IN NO EVENT SHALL THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF USF. ALL PATENT RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>										
DESIGNER	DMN	DATE	11/28	TITLE						MCC ENCLOSURE AND BACK PANEL LAYOUT
CHECKER	JMC	DATE	11/28	CLIENT						HARRIMAN, TN
ENGINEER	DMN	DATE	11/28	PROJECT						504370
MANAGER	DMN	DATE	11/28	CODE						002
FILE:	504370-002-E02-011-1			DRAWING						E02
SCALE:				SHEET						11 OF 12
				REV						1

1 PUMP NO. 1

A1 RTM613

2 PUMP NO. 2

A1 RTM713

3 PUMP NO. 3

A1 RTM813

4 RUN FAIL
PUMP NO. 1
HAND OFF AUTO

C1 XL614,XL625,HS603

5 RUN FAIL
PUMP NO. 2
HAND OFF AUTO

C1 TXL714,XL725,HS702

6 RUN FAIL
PUMP NO. 3
HAND OFF AUTO

C1 XLB14,XL825,HS802

7 OVERTEMP
PUMP NO. 1
RESET

B1 XL635,HS636

8 OVERTEMP
PUMP NO. 2
RESET

B1 XL735,HS736

9 OVERTEMP
PUMP NO. 3
RESET

B1 XL835,HS836

10 CONTROL POWER ON

A1 XL110

11 FLOAT HIGH LEVEL

A1 XL111

WEBB PUMP STATION

SERIAL NO.: 504370 PROD. CODE: LC2000

JOB NAME: HARRIMAN, TN

VOLTS: 120 HERTZ: 60 PHASE: 1 WIRE: 2

MAX. F.L.C.: 10 LARG. MTR.: N/A H.P. N/A F.L.C.

DRAWING NO.: 504370-002 PRESSURE: N/A

SHORT CIRCUIT CURRENT:
kA RMS SYMMETRICAL
120V MAXIMUM

CIRCUIT: L600A SHORT CIRCUIT CURRENT: 10KA

VOLTS: 120 HERTZ: 60 PHASE: 1 WIRE: 2

MAX. F.L.C.: 10 LARG. MTR.: N/A H.P. N/A F.L.C.

CIRCUIT: L700A SHORT CIRCUIT CURRENT: 10KA

VOLTS: 120 HERTZ: 60 PHASE: 1 WIRE: 2

MAX. F.L.C.: 10 LARG. MTR.: N/A H.P. N/A F.L.C.

CIRCUIT: L800A SHORT CIRCUIT CURRENT: 10KA

VOLTS: 120 HERTZ: 60 PHASE: 1 WIRE: 2

MAX. F.L.C.: 10 LARG. MTR.: N/A H.P. N/A F.L.C.

12 ALARM SILENCE

A1 HS138

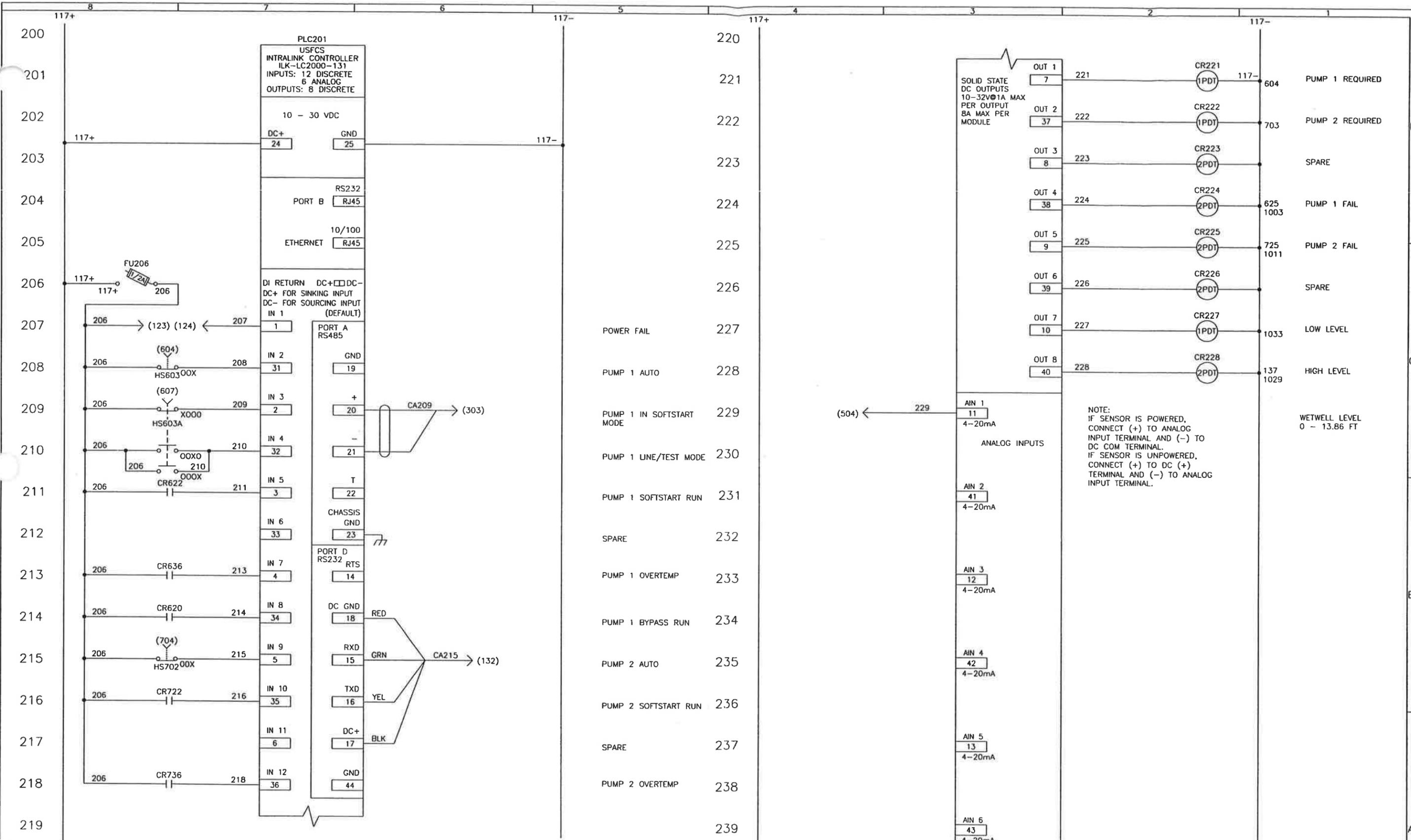
13 PUMP NO. 1
SS OFF LINE TEST

A1 HS603A

COURTESY CONFIDENTIAL
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DESIGNER	DATE
DMM	11/28
CHECKER	DATE
JMC	11/28
ENGINEER	DATE
DMM	11/28
MANAGER	DATE
MFL	11/28
FILE	
504370-002-006-012-1	
SCALE:	

TITLE		NAMEPLATE SCHEDULE	
		WEB PUMP STATION	
		USFCS PANEL 002	
CLIENT		HARRIMAN, TN	
		US Filter	
		US FILTER CONTROL SYSTEMS	
		VADNAIS HEIGHTS, MN	
		PH. 651-766-2700	
PROJECT	CODE	DRAWING	SHEET
504370	002	E06	12 OF 12
REV			
1			

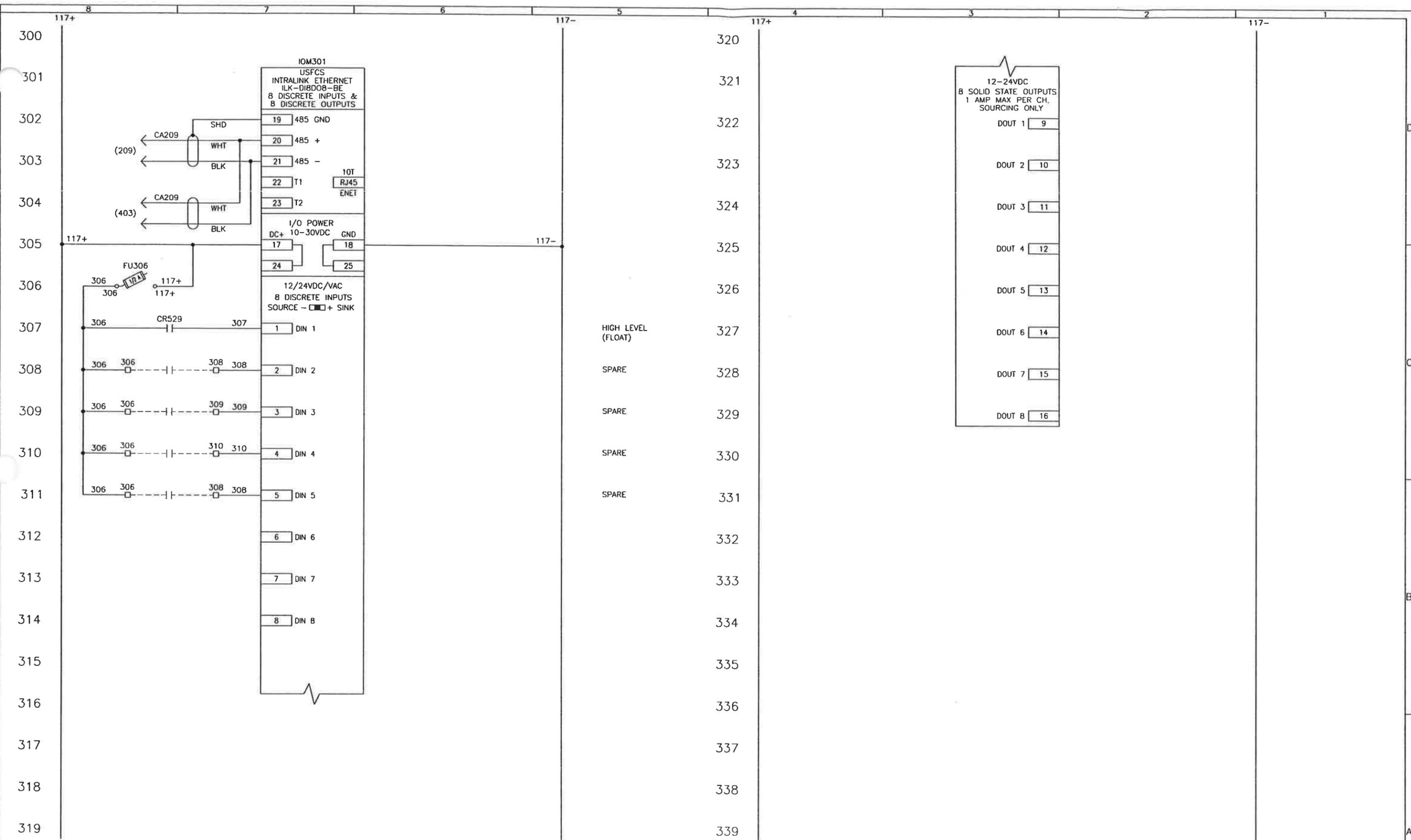


REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH
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0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	
B	AS SUBMITTED	02/06	JVE	DMM	DMM	
A	AS SUBMITTED	11/05	DMM	JVE	DMM	

DESIGNER	DATE	TITLE
DMM	11/05	LC2000 CONTROLLER HARDEES PUMP STATION USFCS PANEL 001
CHECKER	DATE	CLIENT
JMC	11/05	HARRIMAN, TN
ENGINEER	DATE	MANAGER
DMM	11/05	
FILE:	SCALE:	PROJECT
504370-001-E04-002-1	NONE	504370
CODE	DRAWING	SHEET
001	E04	2 OF 12
REV	1	
	1	

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USFilter USFILTER CONTROL SYSTEMS
 VADNAIS HEIGHTS, MN
 PH. 651-766-2700



STO: 3-0200-24X36D1		INTL REF: 7061		BAR = 1" AT PLOT SCALE		REV		DESCRIPTION		DATE		DWN		CHKD		APVD		ECH		DESIGNER		DATE		TITLE	
						I		AS SHIPPED		07/06		JVE		JMC		DMM				DMM		11/05		DIGITAL INPUTS HARDEES PUMP STATION USFCS PANEL 001	
						D		ISSUED FOR CONSTRUCTION		03/06		JVE		JMC		DMM				JMC		11/05		CLIENT	
						B		AS SUBMITTED		02/06		JVE		DMM		DMM				DMM		11/05		HARRIMAN, TN	
						A		AS SUBMITTED		11/05		DMM		JVE		DMM				DMM		11/05		US Filter US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700	
																				FILE: 504370-001-04-003-1		SCALE:		PROJECT CODE DRAWING SHEET REV 504370 001 E04 3 OF 12 1	

12-24VDC
8 SOLID STATE OUTPUTS
1 AMP MAX PER CH.
SOURCING ONLY

DOUT 1 9

DOUT 2 10

DOUT 3 11

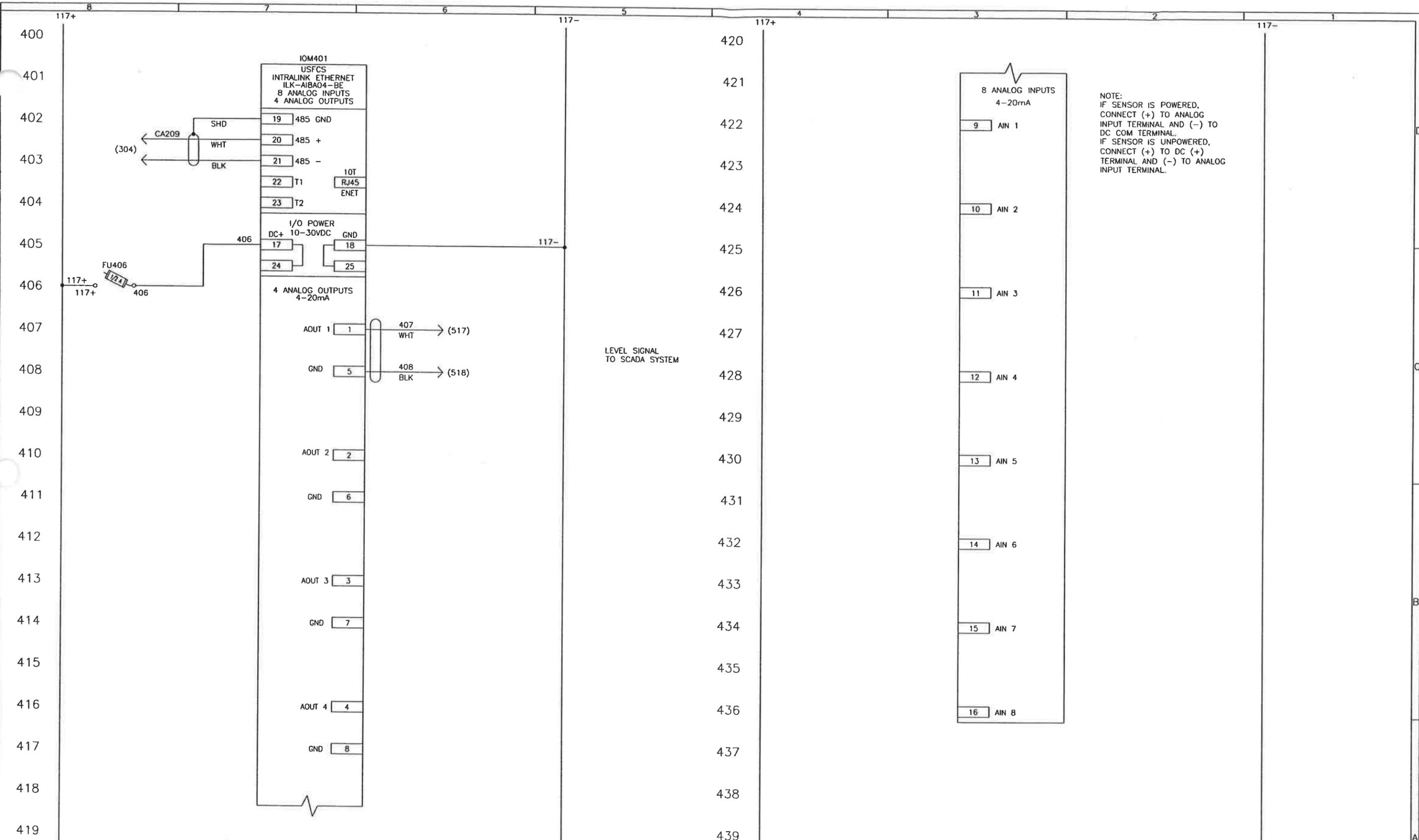
DOUT 4 12

DOUT 5 13

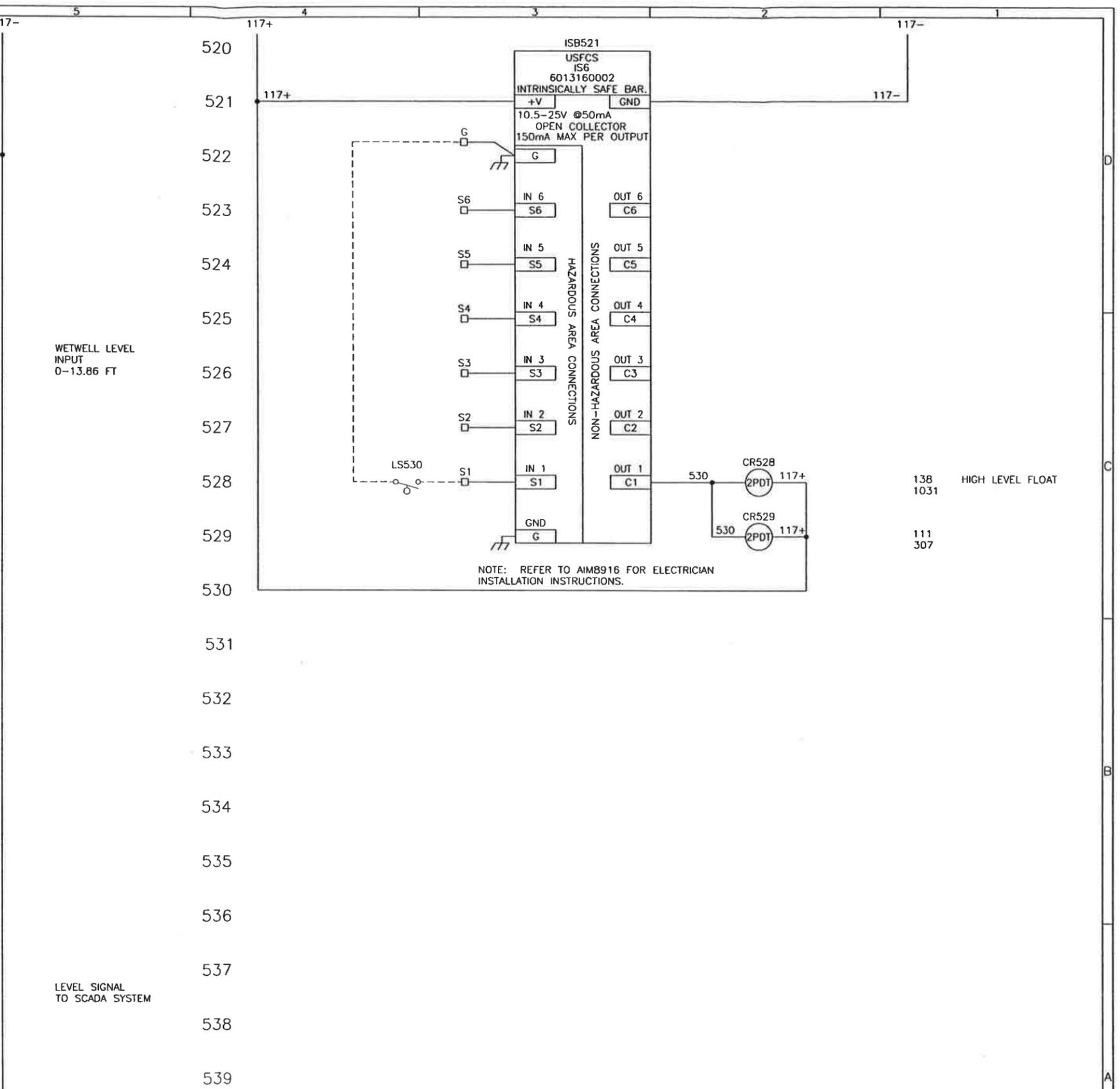
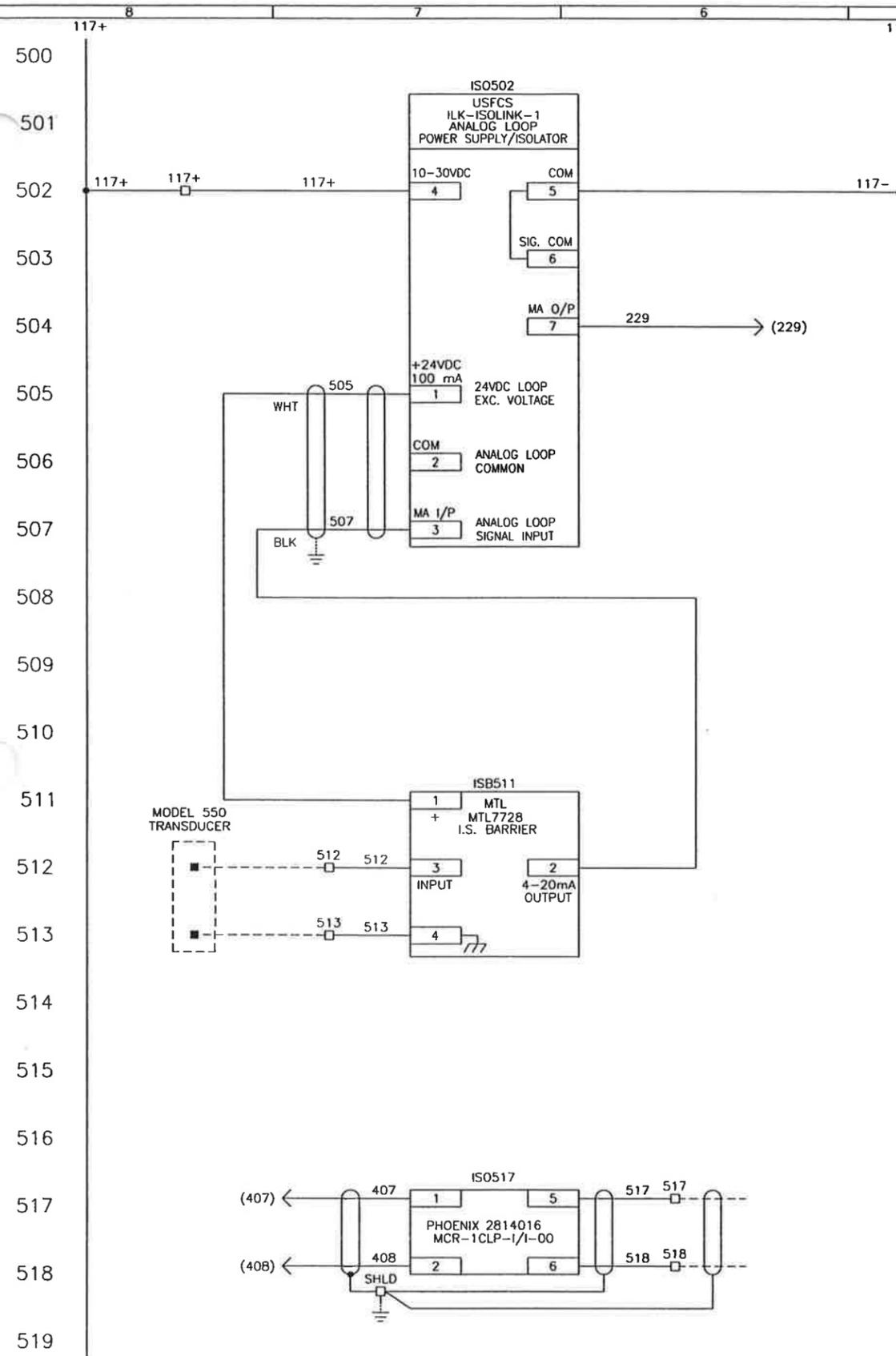
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DOUT 7 15

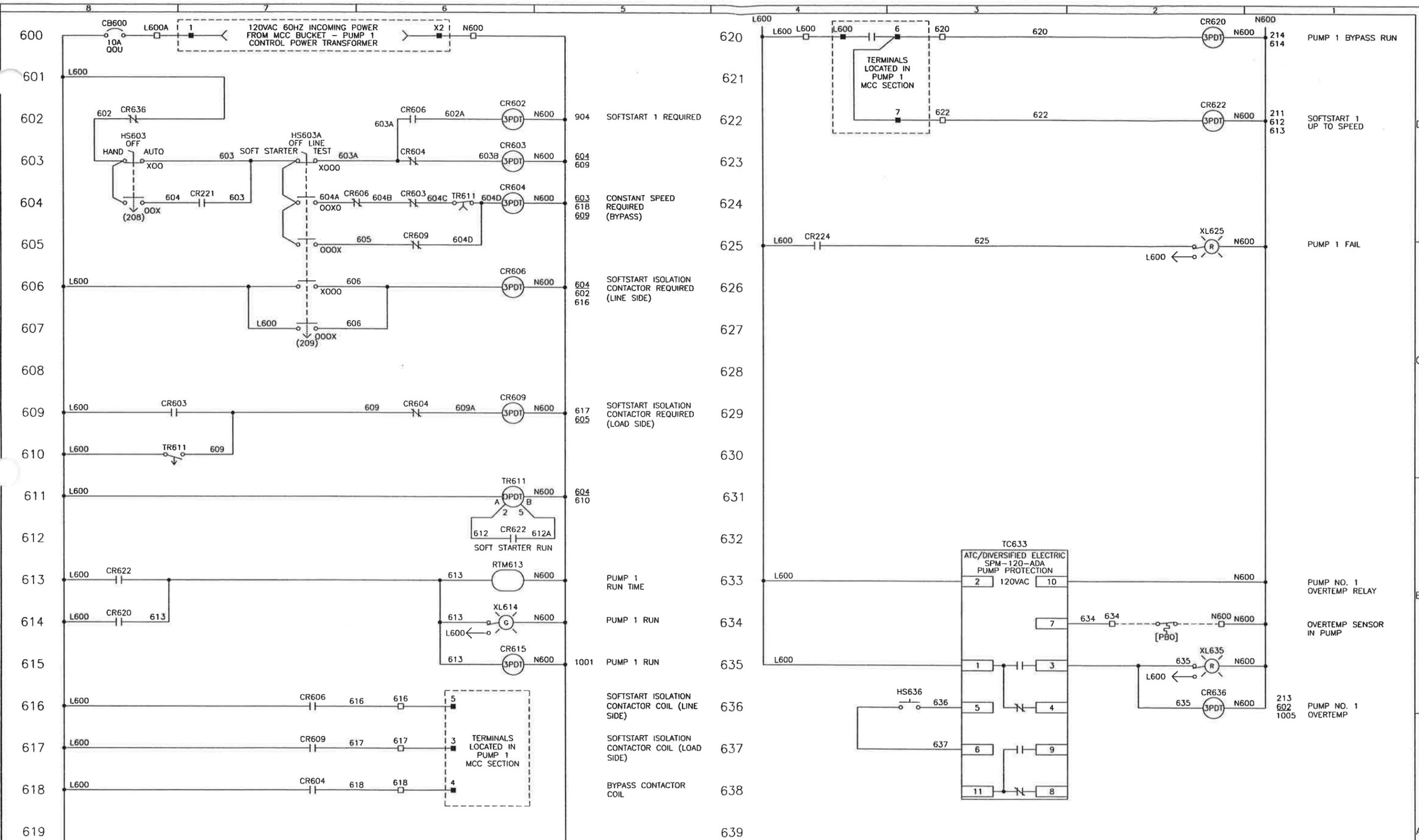
DOUT 8 16



STD: 3-0200-24X3601		INITL REF: 7061		BAR = 1" AT PLOT SCALE		<p>ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES (USF). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANOTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE PURPOSE OR PURPOSES OF THIS DOCUMENT. IN NO EVENT SHALL THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER DEPENDENT TO THE POINT OF USE. ALL PARTS MUST BE RECEIVED ACCEPTABLE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>		DESIGNER: DMM DATE: 11/05 CHECKER: JMC DATE: 11/05 ENGINEER: DMM DATE: 11/05 MANAGER: JVE DATE: 11/05 FILE: 504370-001-04-001-1 SCALE:	TITLE: ANALOG INPUTS/ANALOG OUTPUTS HARDEES PUMP STATION USFCS PANEL 001 CLIENT: HARRIMAN, TN US Filter WADNAIS HEIGHTS, MN PH. 651-766-2700	PROJECT: 504370 CODE: 001 DRAWING: E04 SHEET: 4 OF 12 REV: 1
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH				
1	AS SHIPPED	07/06	JVE	JMC	DMM					
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM					
B	AS SUBMITTED	02/06	JVE	DMM	DMM					
A	AS SUBMITTED	11/05	DMM	JVE	DMM					



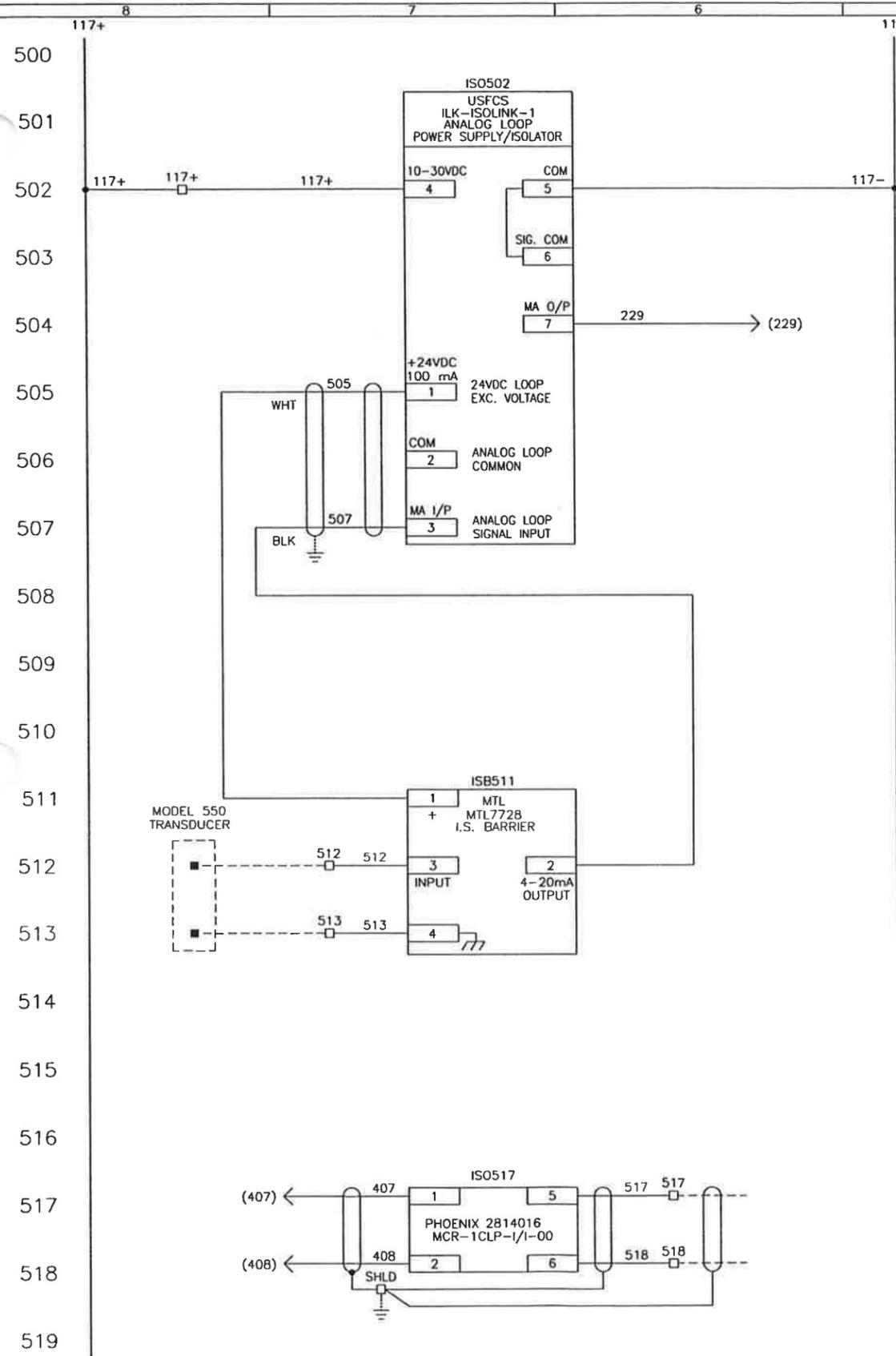
STO: 3-0200-24X3601		INTL REF: 7061		BAR = 1" AT PLOT SCALE		<p>DESIGNER: DMM DATE: 11/05</p> <p>CHECKER: JMC DATE: 11/05</p> <p>ENGINEER: DMM DATE: 11/05</p> <p>MANAGER: MHL DATE: 11/05</p> <p>FILE: 504370-001-001-005-1</p> <p>SCALE:</p>		<p>TITLE: ISOLATOR, INTRINSICALLY SAFE BARRIER</p> <p>HARDEES PUMP STATION</p> <p>USFCS PANEL 001</p> <p>CLIENT: HARRIMAN, TN</p> <p>USFilter VADNAIS HEIGHTS, MN PH. 651-766-2700</p>		<p>PROJECT: 504370</p> <p>CODE: 001</p> <p>DRAWING: E04</p> <p>SHEET: 5 OF 12</p> <p>REV: 1</p>	
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH	<p>CONTRACT CONFIDENTIAL</p> <p>ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES (USF). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS SPECIFICALLY SUBMITTED. THEY MUST NOT BE REPRODUCED, REPRODUCED, LOANED OR USED BY ANY OTHER PERSON WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANOTHER PROJECT, OR IN A MANNER THAT DOES NOT RELATE TO THE ORIGINAL PURPOSE OF THE DOCUMENT. IN NO EVENT SHALL THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER OR MANNER TO THE INTEREST OF USF. ALL INHERENT RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>				
1	AS SHIPPED	07/06	JVE	JMC	DMM						
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM						
B	AS SUBMITTED	02/06	JVE	DMM	DMM						
A	AS SUBMITTED	11/05	DMM	JVE	DMM						



REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN
1	AS SHIPPED	07/06	JVE	JMC	DMM	
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	
B	AS SUBMITTED	02/06	JVE	DMM	DMM	
A	AS SUBMITTED	11/05	DMM	JVE	DMM	

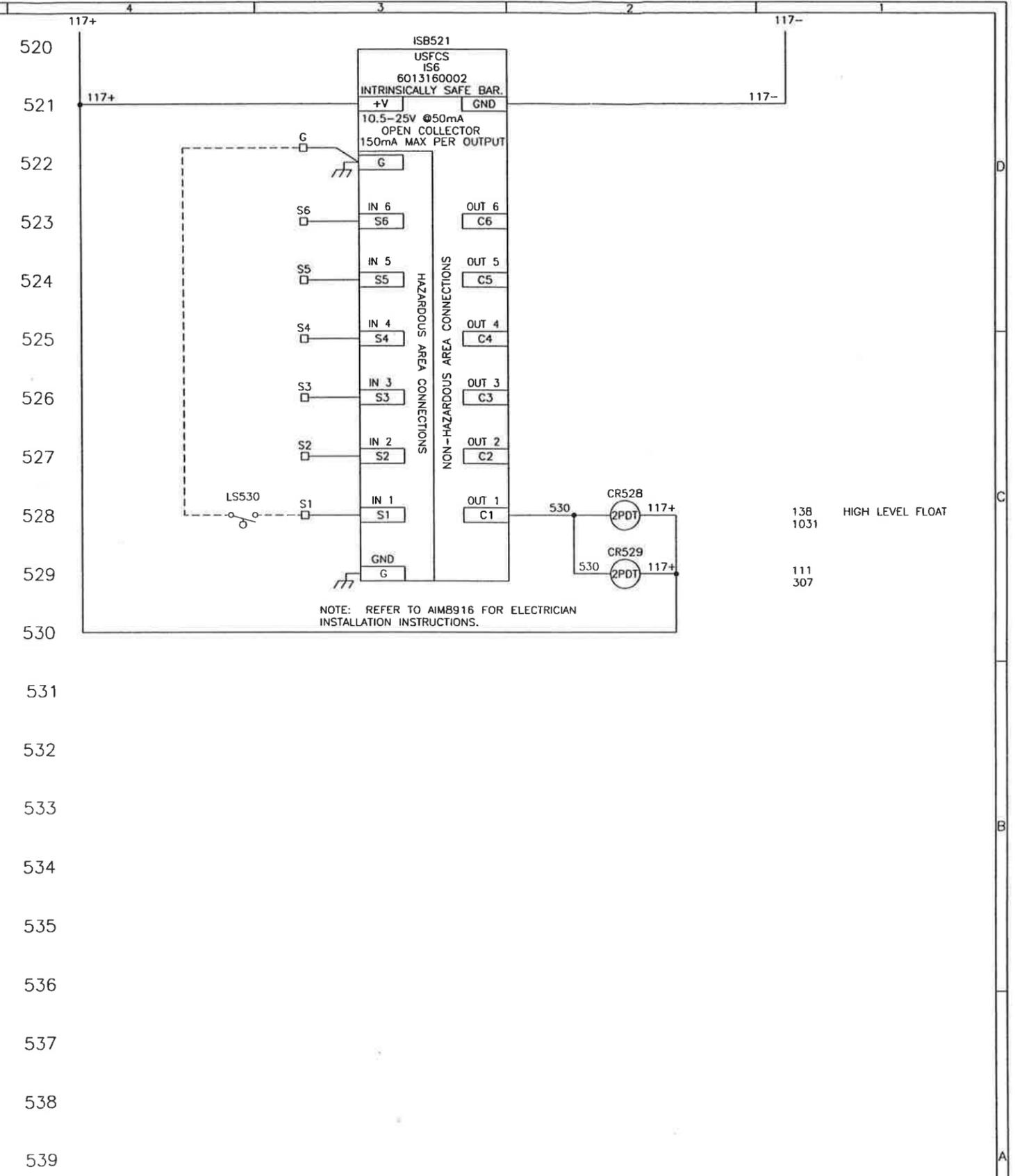
DESIGNER	DATE	TITLE
DMM	11/05	PUMP 1 CONTROL HARDEE'S PUMP STATION USFCS PANEL 001
CHECKER	DATE	CLIENT
JMC	11/05	HARRIMAN, TN
ENGINEER	DATE	COMPANY
DMM	11/05	US Filter
MANAGER	DATE	ADDRESS
MN	11/05	VADNAIS HEIGHTS, MN
SCALE	PROJECT	PHONE
504370-001-E04-006-1	504370	PH. 651-766-2700
	CODE	DRAWING
	001	E04
	SHEET	REV
	6 OF 12	1

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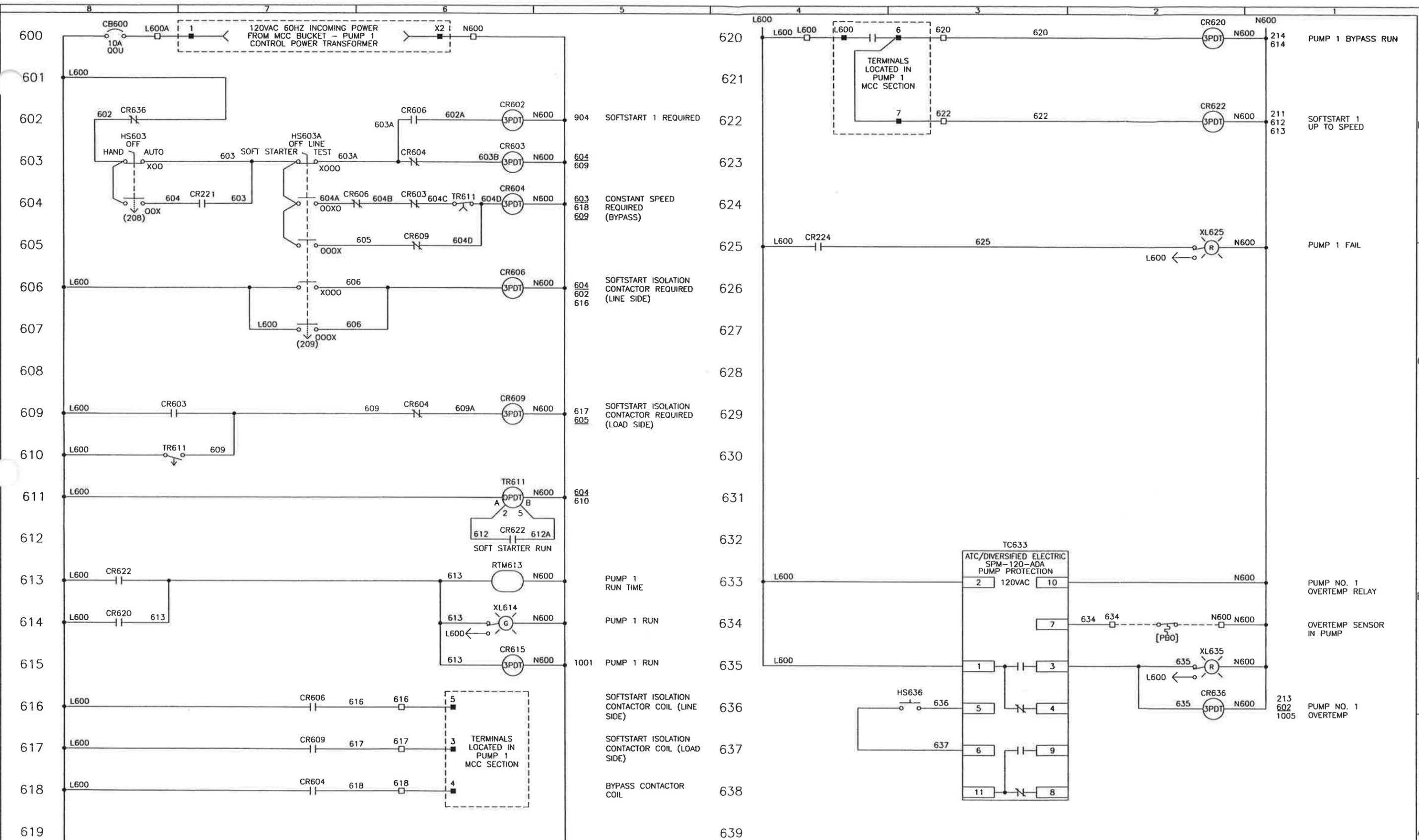


WETWELL LEVEL INPUT
0-13.86 FT

LEVEL SIGNAL TO SCADA SYSTEM



DESIGNER	DATE	TITLE					
DMM	11/05	ISOLATOR, INTRINSICALLY SAFE BARRIER					
CHECKER	DATE	HARDEES PUMP STATION					
JMC	11/05	USFCS PANEL 001					
ENGINEER	DATE	CLIENT					
DMM	11/05	HARRIMAN, TN					
MANAGER	DATE	USFilter					
MN	11/05	US FILTER CONTROL SYSTEMS					
FILE		VADNAIS HEIGHTS, MN					
204370-001-ED4-003-1		PH. 651-766-2700	PROJECT	CODE	DRAWING	SHEET	REV
SCALE:			504370	001	E04	5 OF 12	1



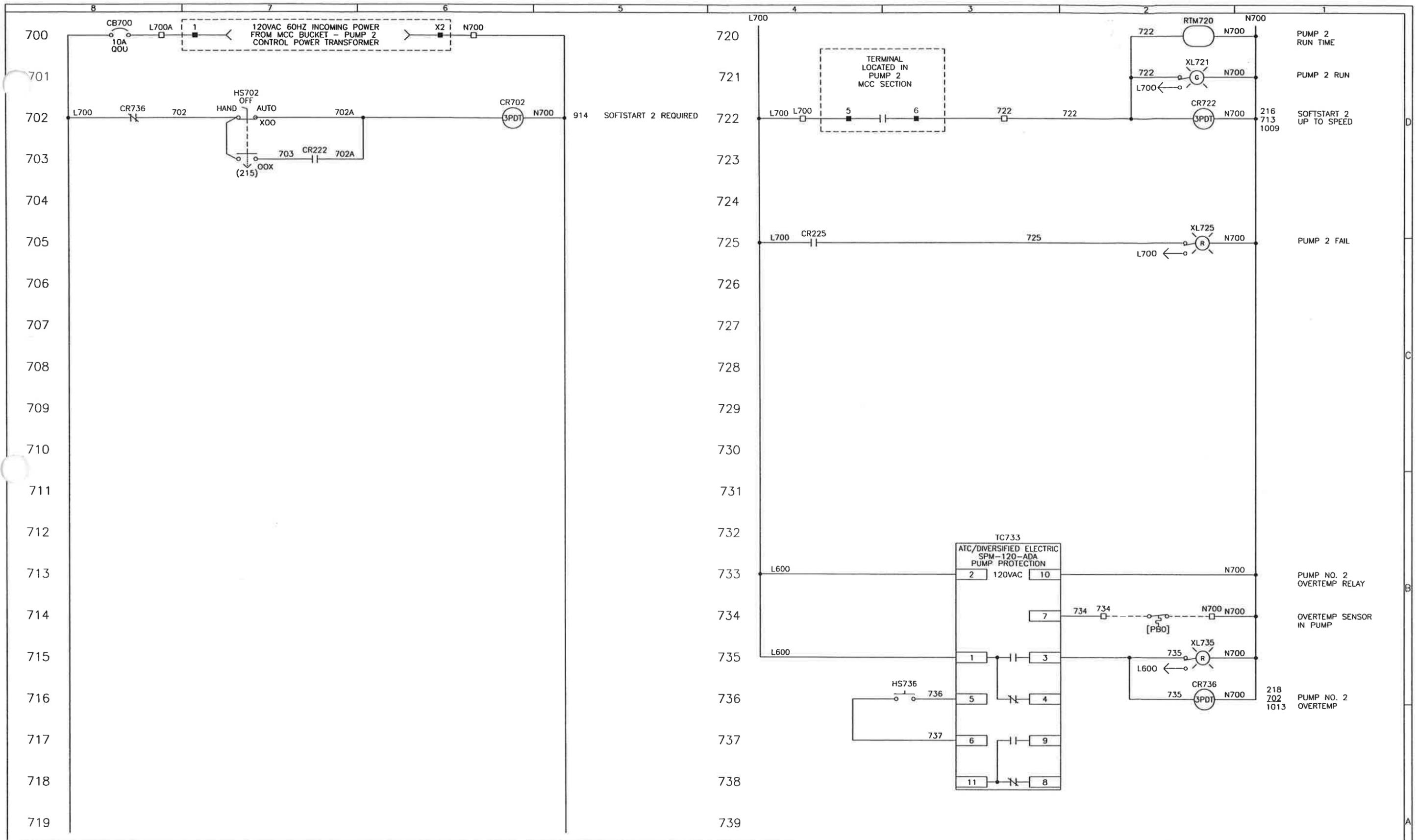
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	EON
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0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	
B	AS SUBMITTED	02/06	JVE	DMM	DMM	
A	AS SUBMITTED	11/05	DMM	JVE	DMM	

DESIGNER	DATE	TITLE
DMM	11/05	PUMP 1 CONTROL
CHECKER	DATE	HARDEES PUMP STATION
JMC	11/05	USFCS PANEL 001
ENGINEER	DATE	CLIENT
DMM	11/05	HARRIMAN, TN
MANAGER	DATE	
MNL	11/05	
FILE: 504370-001-04-006-1		
SCALE:		

PROJECT	CODE	DRAWING	SHEET	REV
504370	001	E04	6 OF 12	1

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STD: 3-0200-24X36D1	INTL REF: 7061	BAR = 1" AT PLOT SCALE	REV	DESCRIPTION	DATE	DWN	CHRD	APVD	ECH	DESIGNER DMM	DATE 11/05	TITLE PUMP 2 CONTROL HARDEES PUMP STATION USFCS PANEL 001	CLIENT HARRIMAN, TN	PROJECT 504370	CODE 001	DRAWING E04	SHEET 7 OF 12	REV 1	
1	AS SHIPPED	07/06	JVE	JMC	DMM					CHECKER JMC	DATE 11/05	ENGINEER DMM	DATE 11/05	MANAGER MNL	DATE 11/05	FILE 504370-001-E04-007-1	SCALE 7061		
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM														
B	AS SUBMITTED	02/06	JVE	DMM	DMM														
A	AS SUBMITTED	11/05	DMM	JVE	DMM														

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USFilter
VADNAIS HEIGHTS, MN
PH. 651-766-2700

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RESERVED

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RESERVED

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STD: 3-0200-24X3601 INTL REF: 7061 BAR = 1" AT PLOT SCALE					COMPANY CONFIDENTIAL ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS DIRECTLY SUBMITTED. THEY MUST NOT BE REPRODUCED, LOANED OR USED BY ANY OTHER PARTY WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR OTHER PROJECTS, OR IN A MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THE DOCUMENT. IN NO EVENT SHALL THIS DOCUMENT OR THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN BE USED IN ANY MANNER BEHINDING TO THE INTEREST OF USF. ALL RIGHTS ARE RESERVED. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.				DESIGNER	DATE	TITLE							
	1	AS SHIPPED	07/06	JVE	JMC	DMM	DMM	11/05	PUMP 2 CONTROL HARDEES PUMP STATION USFCS PANEL 001									
	0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM	JMC	11/05	CLIENT									
	B	AS SUBMITTED	02/06	JVE	DMM	DMM	DMM	11/05	HARRIMAN, TN									
	A	AS SUBMITTED	11/05	DMM	JVE	DMM	DMM	11/05	 US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700									
							FILE:	504370-001-004-008-1	PROJECT	504370	CODE	001	DRAWING	E04	SHEET	8 OF 12	REV	1

1 PUMP NO. 1

A1 RTM613

2 PUMP NO. 2

A1 RTM713

3 NOT USED

4 RUN PUMP NO. 1 FAIL
HAND OFF AUTO

C1 XL614,XL625,HS603

5 RUN PUMP NO. 2 FAIL
HAND OFF AUTO

C1 TXL714,XL725,HS702

6 NOT USED

7 OVERTEMP PUMP NO. 1
RESET

B1 XL635,HS636

8 OVERTEMP PUMP NO. 2
RESET

B1 XL735,HS736

9 NOT USED

10 CONTROL POWER ON

A1 XL110

11 FLOAT HIGH LEVEL

A1 XL111

HARDEES PUMP STATION
SERIAL NO.:504370 PROD. CODE: LC2000
JOB NAME: HARRIMAN, TN
VOLTS: 120 HERTZ: 60 PHASE: 1 WIRE: 2
MAX. F.L.C.:10 LARG. MTR.: N/A H.P. N/A F.L.C.
DRAWING NO.: 504370-001 PRESSURE: N/A
SHORT CIRCUIT CURRENT:
5ka RMS SYMMETRICAL
120V MAXIMUM

CIRCUIT: L600A SHORT CIRCUIT CURRENT: 10KA
VOLTS:120 HERTZ:60 PHASE:1 WIRE:2
MAX. F.L.C.:10 LARG. MTR.:N/A H.P.N/A F.L.C.
CIRCUIT: L700A SHORT CIRCUIT CURRENT: 10KA
VOLTS:120 HERTZ:60 PHASE:1 WIRE:2
MAX. F.L.C.:10 LARG. MTR.:N/A H.P.N/A F.L.C.

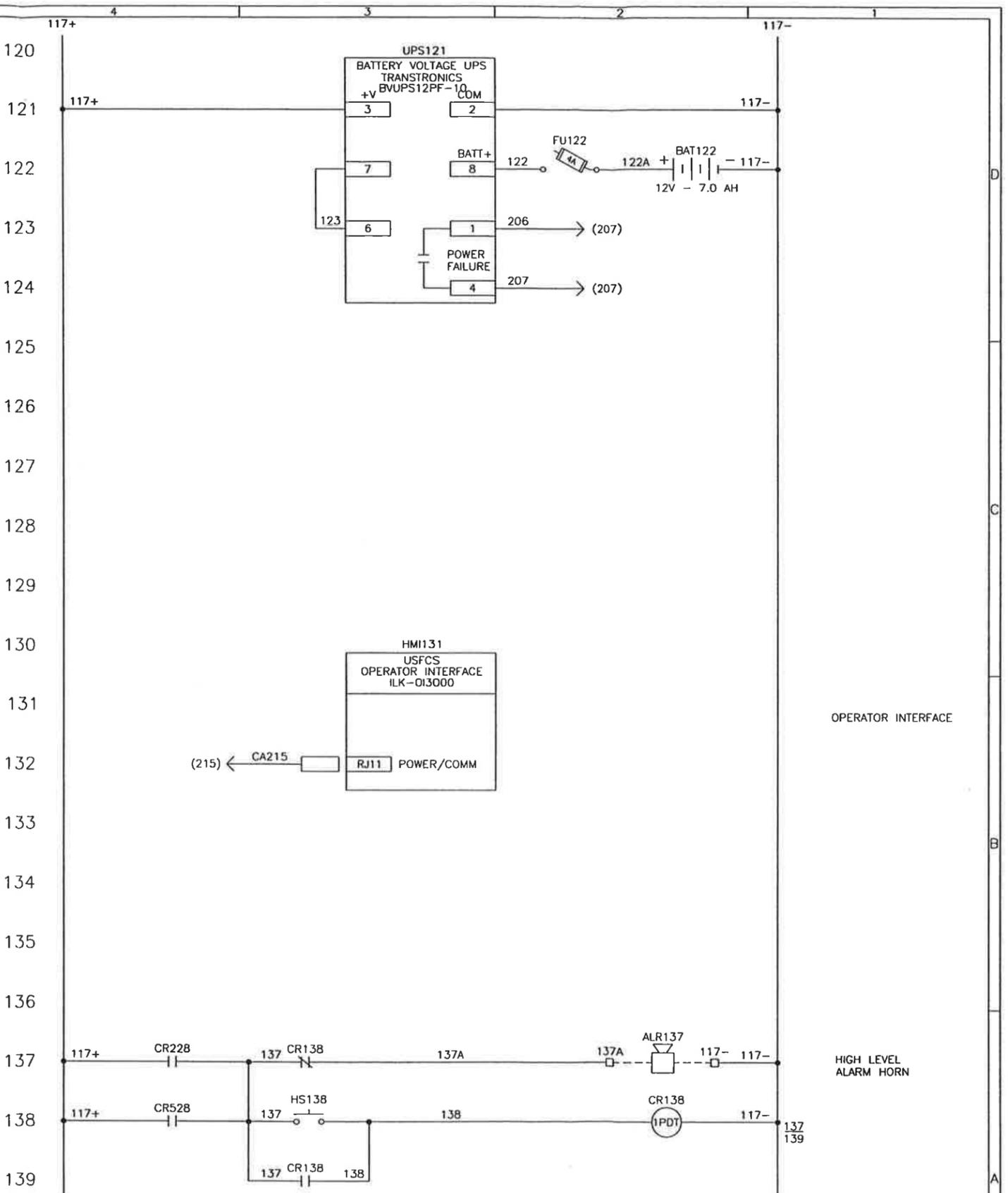
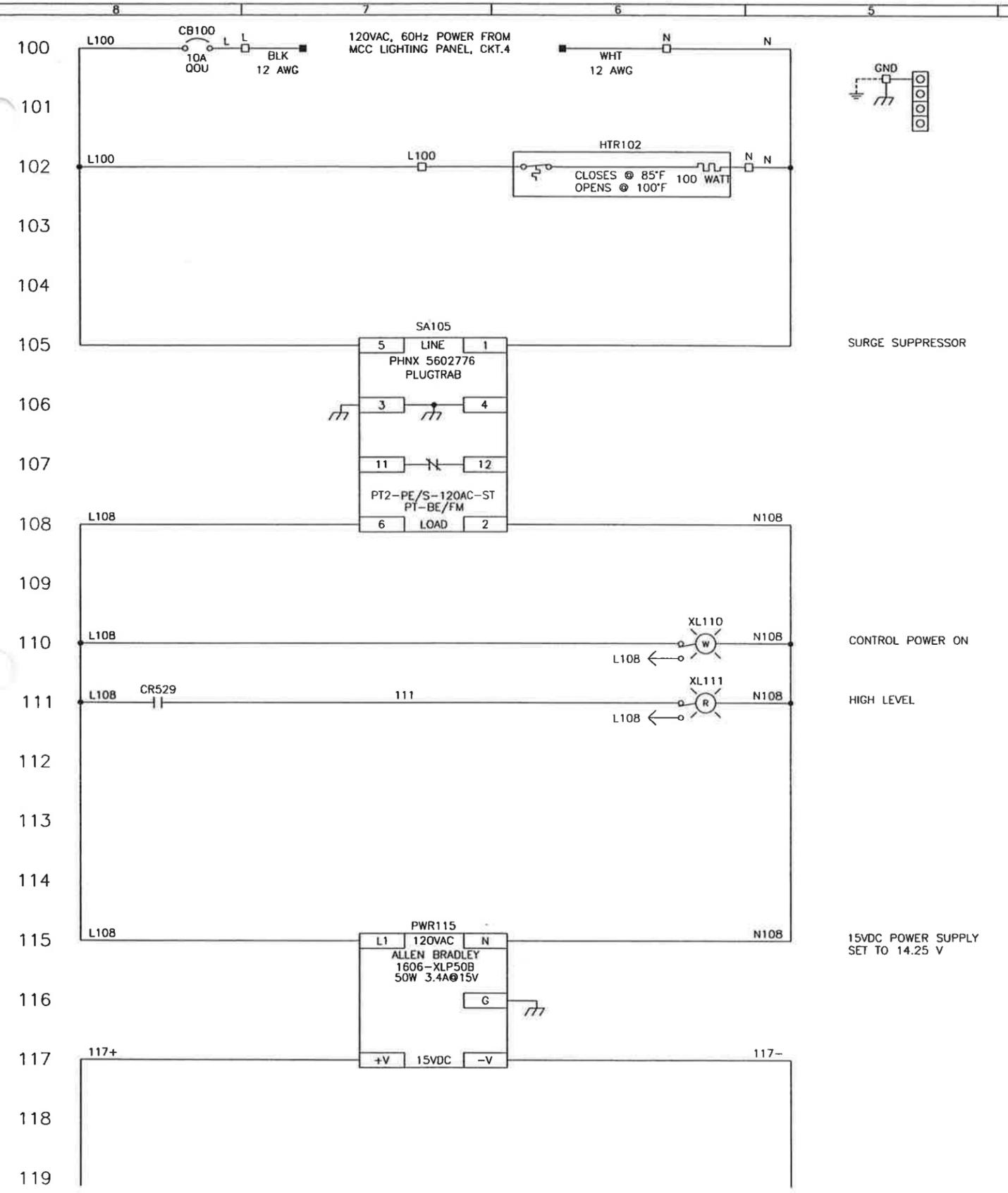
12 ALARM SILENCE

A1 HS138

13 PUMP NO. 1
SS OFF LINE TEST

A1 HS603A

STD: 3-0200-24X36D1		INTL REF: 7051		BAR = 1" AT PLOT SCALE		COMPANY CONFIDENTIAL ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES (USF). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TO BE REPRODUCED, COPIED, OR DISCLOSED TO ANY OTHER PERSON OR ENTITY WITHOUT THE EXPRESS WRITTEN CONSENT OF USFILTER. ANY REPRODUCTION OR DISCLOSURE OF THIS DOCUMENT OR INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT OR IN ANY MANNER THAT DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THIS DOCUMENT, IN NO EVENT SHALL USFILTER OR ITS AFFILIATES BE LIABLE FOR ANY DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR FROM THE USE OF THIS DOCUMENT OR INFORMATION CONTAINED HEREIN.		DESIGNER: DMM CHECKER: JMC ENGINEER: DMM MANAGER: MN_	DATE: 11/28 DATE: 11/28 DATE: 11/28 DATE: 11/28	TITLE: NAMEPLATE SCHEDULE HARDEES PUMP STATION USFCS PANEL 001 CLIENT: HARRIMAN, TN	USFilter US FILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700	PROJECT: 504370 CODE: 001 DRAWING: E06 SHEET: 12 OF 12 REV: 1
1	AS SHIPPED	07/06	JVE	JMC	DMM							
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM							
B	AS SUBMITTED	02/06	JVE	DMM	DMM							
A	AS SUBMITTED	11/28	DMM	JVE	DMM							
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH						



1	AS SHIPPED	07/06	JVE	JMC	DMM															
0	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM															
B	AS SUBMITTED	02/06	JVE	DMM	DMM															
A	AS SUBMITTED	11/05	DMM	JVE	DMM															

DESIGNER: DMM DATE: 11/05
 CHECKER: JMC DATE: 11/05
 ENGINEER: DMM DATE: 11/05
 MANAGER: MNL DATE: 11/05

TITLE: INCOMING POWER
 WEBB PUMP STATION
 USFCS PANEL 002

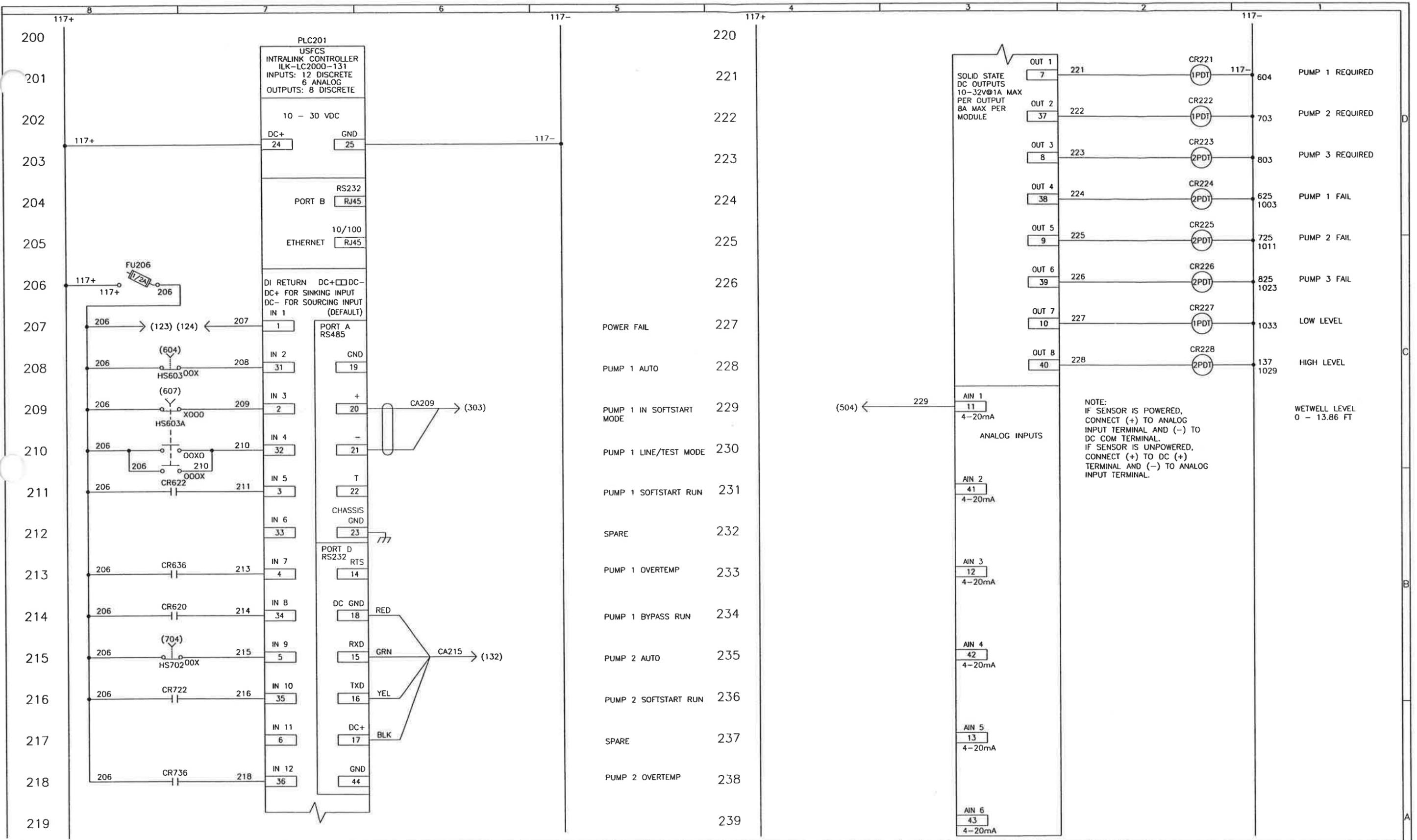
CLIENT: HARRIMAN, TN

USFilter
 USFILTER CONTROL SYSTEMS
 VADNAIS HEIGHTS, MN
 PH. 651-766-2700

PROJECT: 504370 CODE: 002 DRAWING: E04 SHEET: 1 OF 12 REV: 1

FILE: 504370-002-004-001-1 SCALE:

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STD: 3-0200-24X3601		INTL REF: 7062		BAR = 1" AT PLOT SCALE		ALL INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF USFILTER AND/OR ITS AFFILIATES ("USF"). THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO USF AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY SUBMITTED. THEY MUST NOT BE REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF USF. USF ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE USE OF THIS DOCUMENT OR DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN FOR ANY OTHER PROJECT, OR BY A USER WHO DOES NOT RELATE TO THE FITNESS OR PURPOSE OF THIS DOCUMENT IN NO EVENT SHALL THE DELIVERY OF THIS DOCUMENT IN ANY MANNER CONSTITUTE AN AGREEMENT OF THE DELIVERY OF THIS DOCUMENT CONSTITUTE AN AGREEMENT TO THESE TERMS AND CONDITIONS.		DESIGNER: DMM CHECKER: JMC ENGINEER: DMM MANAGER: MNL	DATE: 11/05 DATE: 11/05 DATE: 11/05 DATE: 11/05	TITLE: LC2000 CONTROLLER WEBB PUMP STATION USFCS PANEL 002	CLIENT: HARRIMAN, TN	USFilter USFILTER CONTROL SYSTEMS VADNAIS HEIGHTS, MN PH. 651-766-2700	PROJECT: 504370 CODE: 002 DRAWING: E04 SHEET: 2 OF 12 REV: 1
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECH							
I	AS SHIPPED	07/06	JVE	JMC	DMM								
D	ISSUED FOR CONSTRUCTION	03/06	JVE	JMC	DMM								
B	AS SUBMITTED	02/06	JVE	DMM	DMM								
A	AS SUBMITTED	11/05	DMM	JVE	DMM								

