

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.

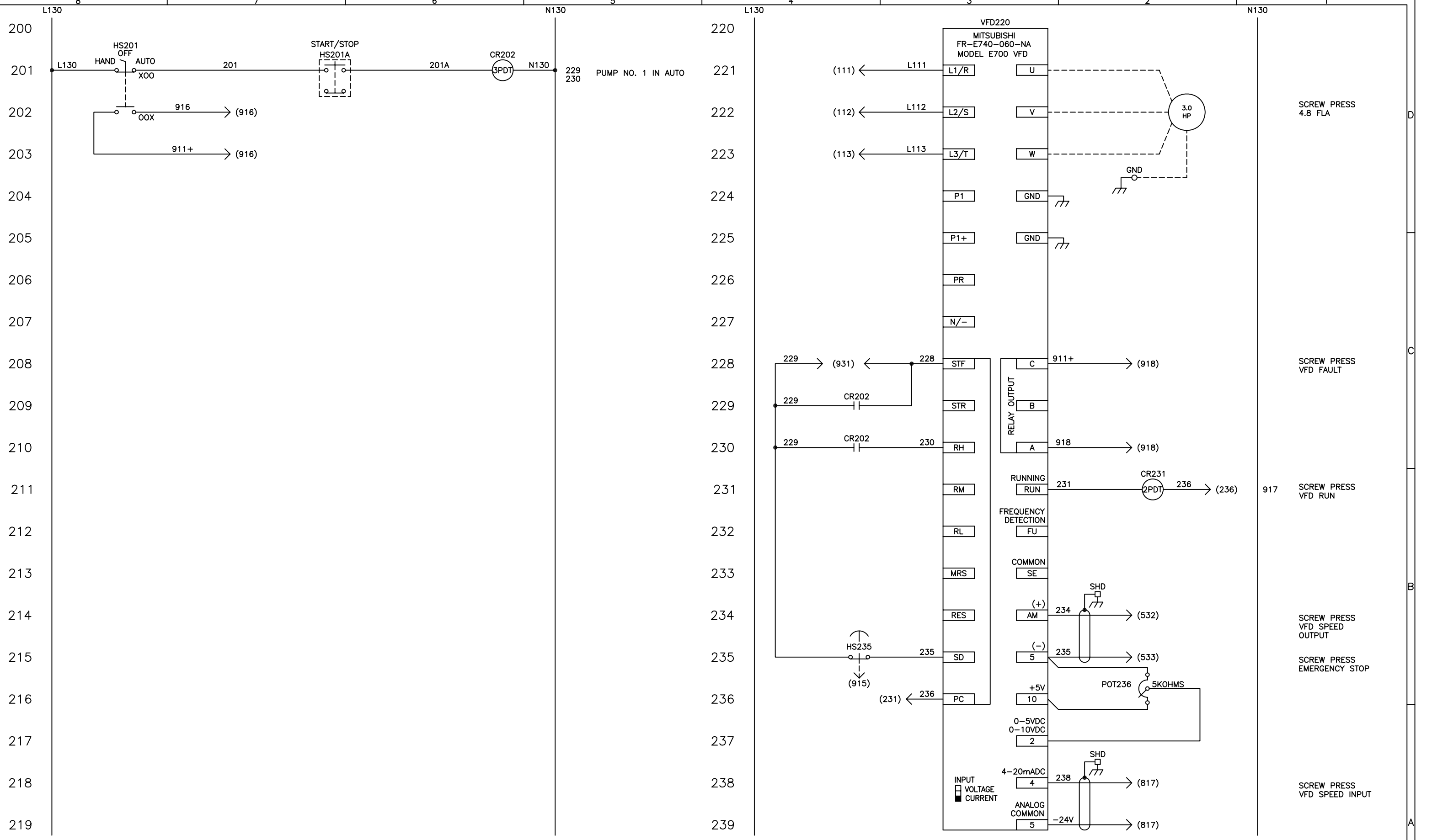
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN
B	AS SUBMITTED	07/08	JVE	VDS	VDS	
A	AS SUBMITTED	06/08	SWT	VDS	VDS	

DESIGNER	DATE	TITLE
SWT	06/08	INCOMING POWER
CHECKER	DATE	SCREW PRESS PUMP CONTROL PANEL LCP-SP
VDS	06/08	PANEL 001
ENGINEER	DATE	CLIENT FKC SCREW PRESS CONTROL PANEL
VDS	06/08	SAUSALITO, CA
MANAGER	DATE	
EWC	06/08	
FILE:	505732-001-ED4-001-B	
SCALE:	NONE	

PROJECT	CODE	DRAWING	SHEET	REV
505732	001	E04	1 OF 12	B

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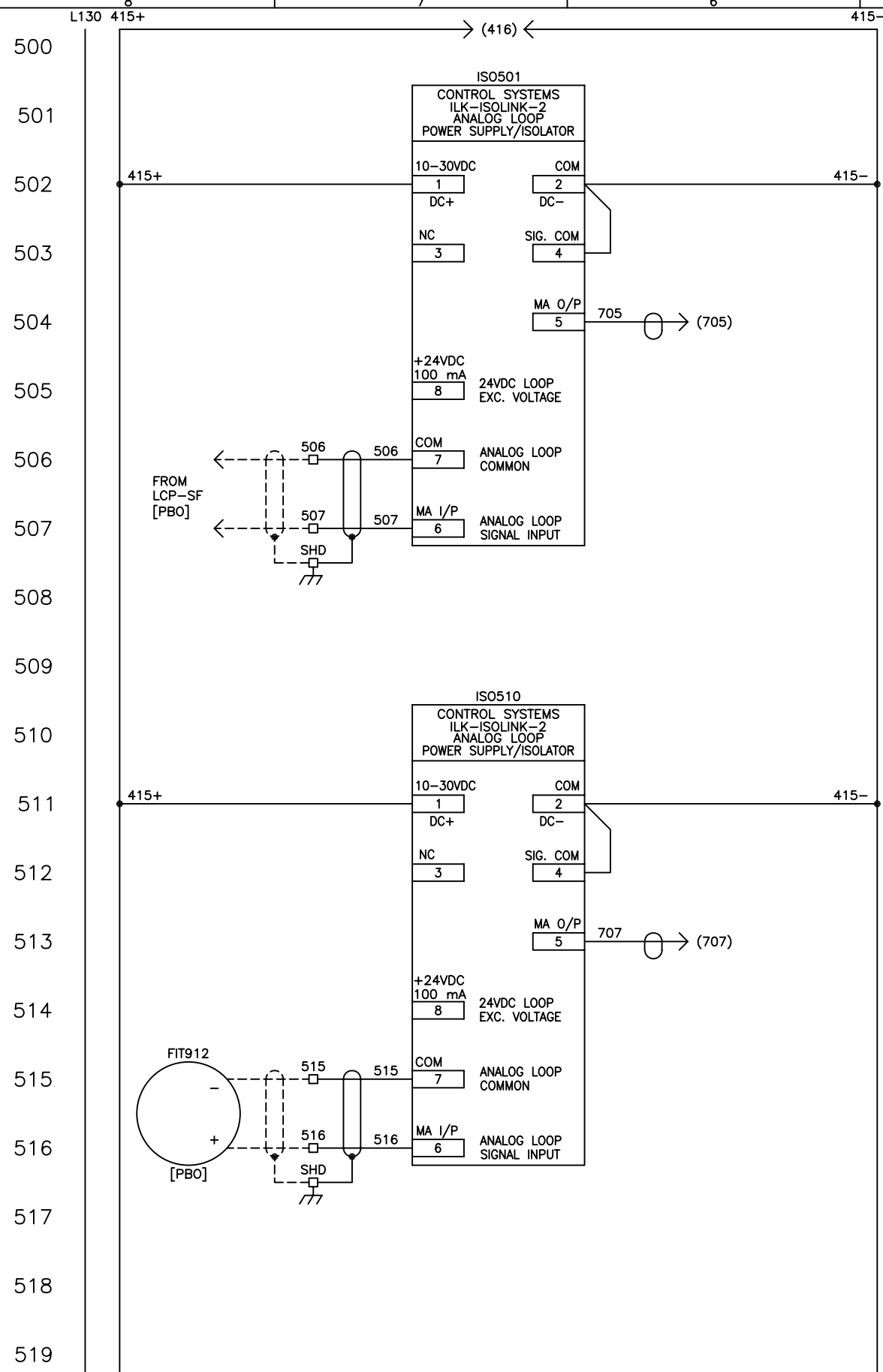
SIEMENS Water Technologies Control Systems Products PH: 651-766-2700



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CHECKER VDS DATE 06/08		CLIENT FKC SCREW PRESS CONTROL PANEL SAUSALITO, CA	SIEMENS Water Technologies Control Systems Products PH: 651-766-2700
ENGINEER VDS DATE 06/08		MANAGER EWC DATE 06/08	PROJECT 505732
AS SUBMITTED DATE 07/08 BY JVE VDS VDS		FILE 505732-001-ED1-002-B SCALE: NONE	CODE 001
AS SUBMITTED DATE 06/08 BY SWT VDS VDS		DRAWING E04	SHEET 2 OF 12
STD: BORDER-0106-24X36D1		INTL REF: 7060	REV B

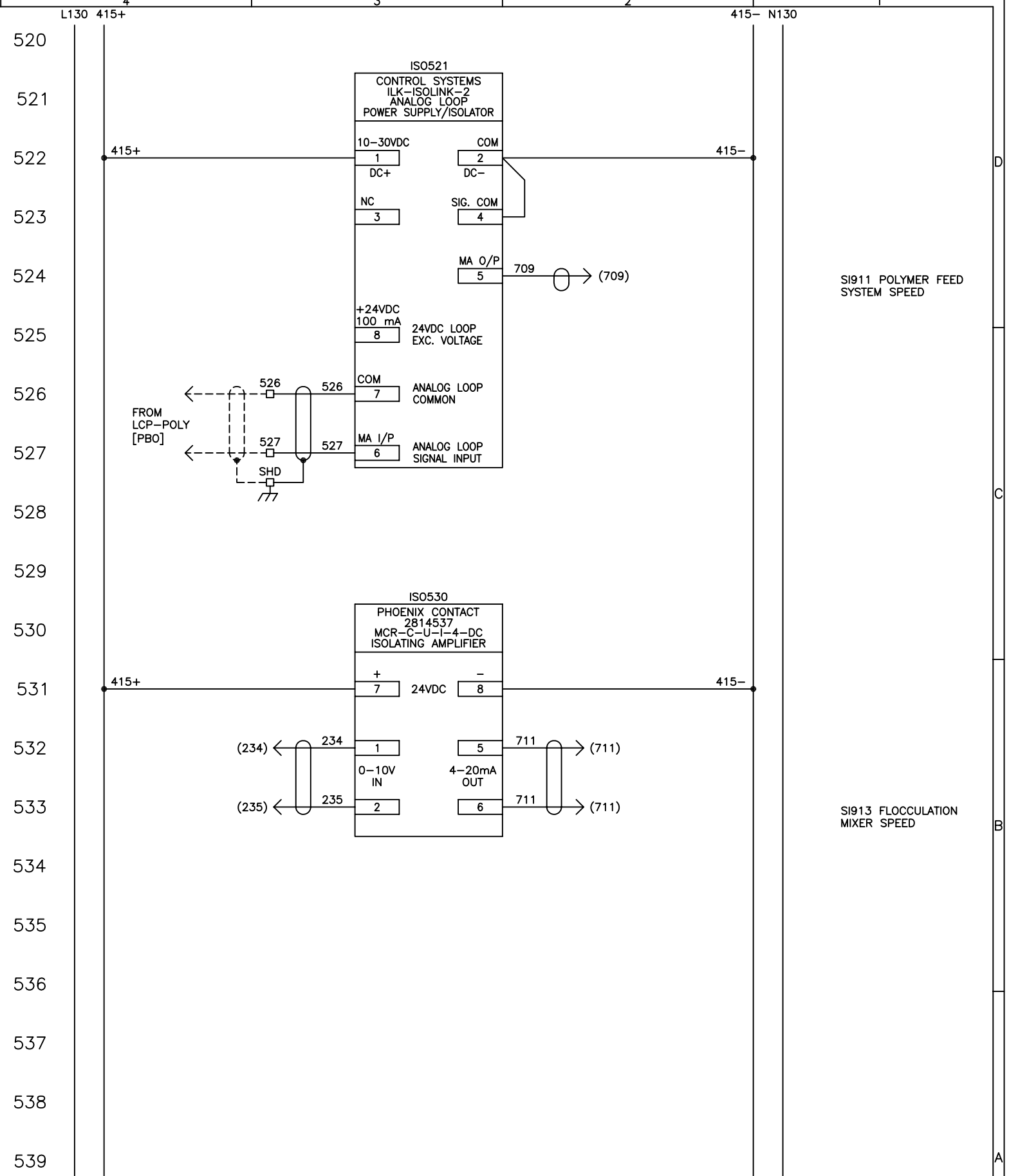






SI910 DIGESTED  
SLUDGE FEED  
PUMP SPEED

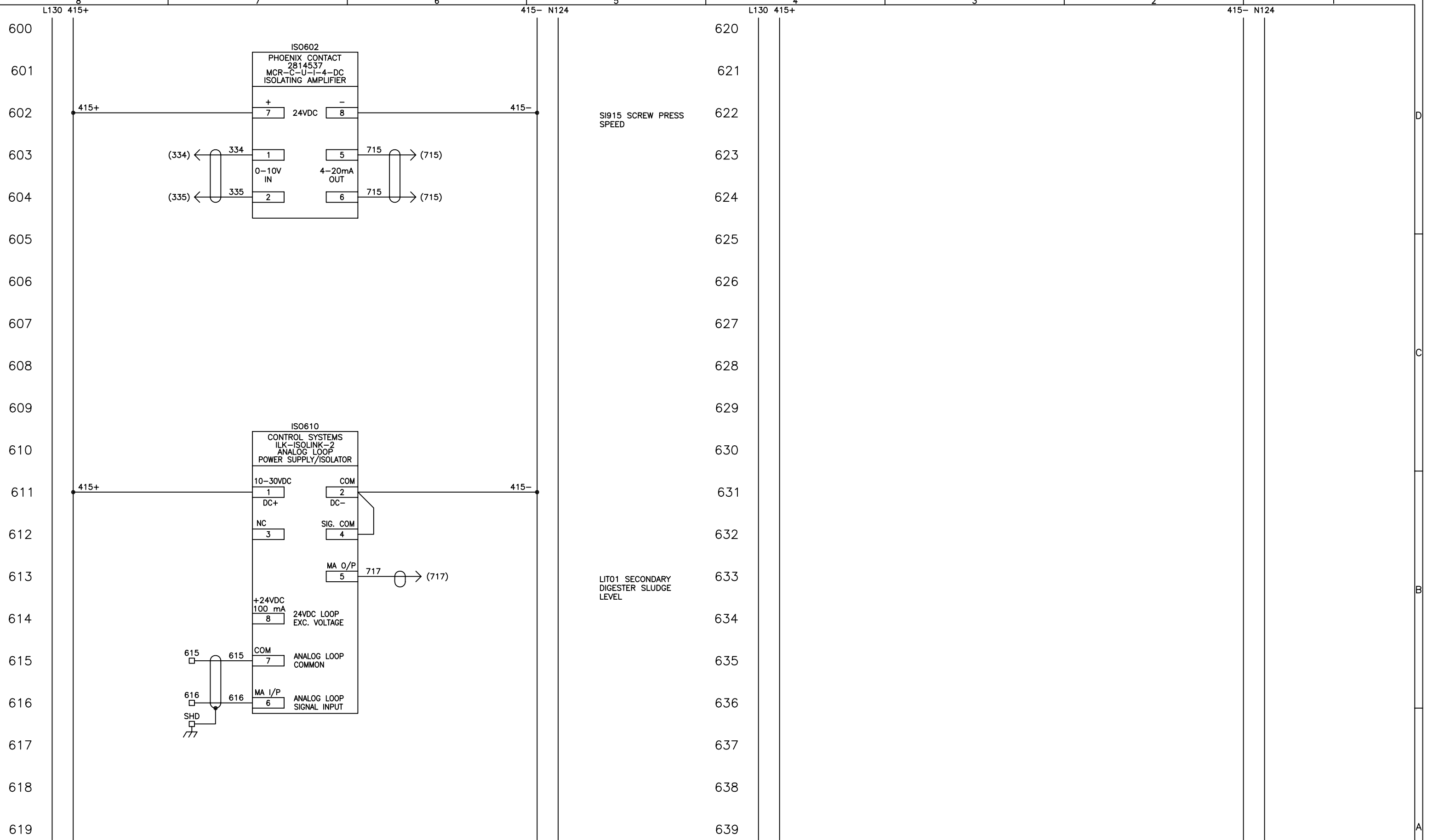
FIT912  
DIGESTED SLUDGE  
FLOW



SI911 POLYMER FEED  
SYSTEM SPEED

SI913 FLOCCULATION  
MIXER SPEED

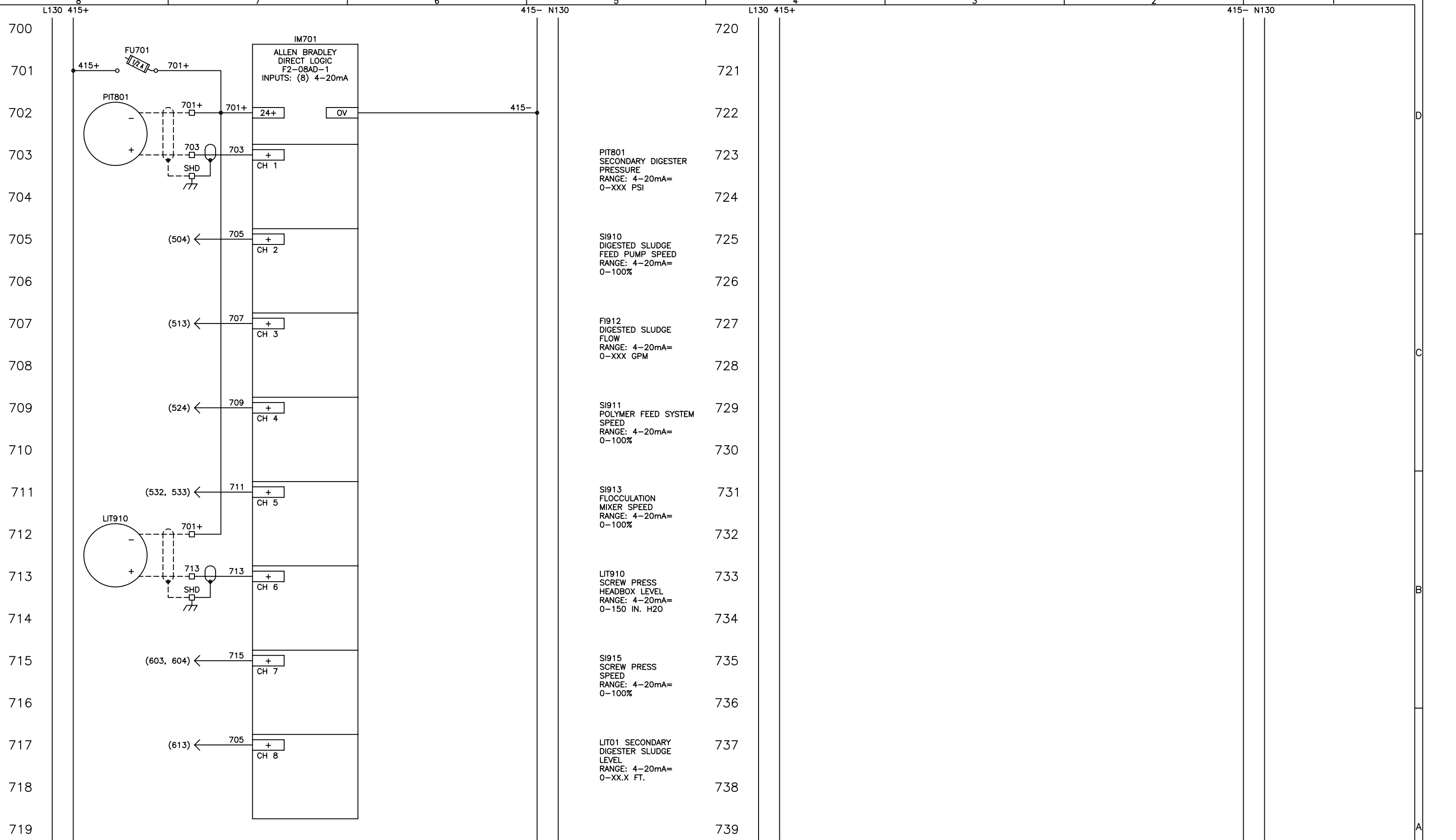
STD: BORDER-0106-24X36D1		INTL REF: 7060		BAR = 1" AT PLOT SCALE		REV		DESCRIPTION		DATE		DWN		CHKD		APVD		ECN		THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF SIEMENS AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO SIEMENS AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SIEMENS. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF SIEMENS. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF SIEMENS, THIS DOCUMENT ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO SIEMENS OR DESTROYED, AS INSTRUCTED BY SIEMENS. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.		DESIGNER: SWT DATE: 06/08 CHECKER: VDS DATE: 06/08 ENGINEER: VDS DATE: 06/08 MANAGER: EWC DATE: 06/08 FILE: 505732-001-ED4-005-B SCALE: NONE		TITLE: ANALOG LOOP POWER SUPPLY / ISOLATOR SCREW PRESS PUMP CONTROL PANEL LCP-SP PANEL 001 CLIENT: FKC SCREW PRESS CONTROL PANEL SAUSALITO, CA		<b>SIEMENS</b> Water Technologies Control Systems Products PH: 651-766-2700		PROJECT: 505732 CODE: 001 DRAWING: E04 SHEET: 5 OF 12 REV: B	
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SI915 SCREW PRESS  
SPEED

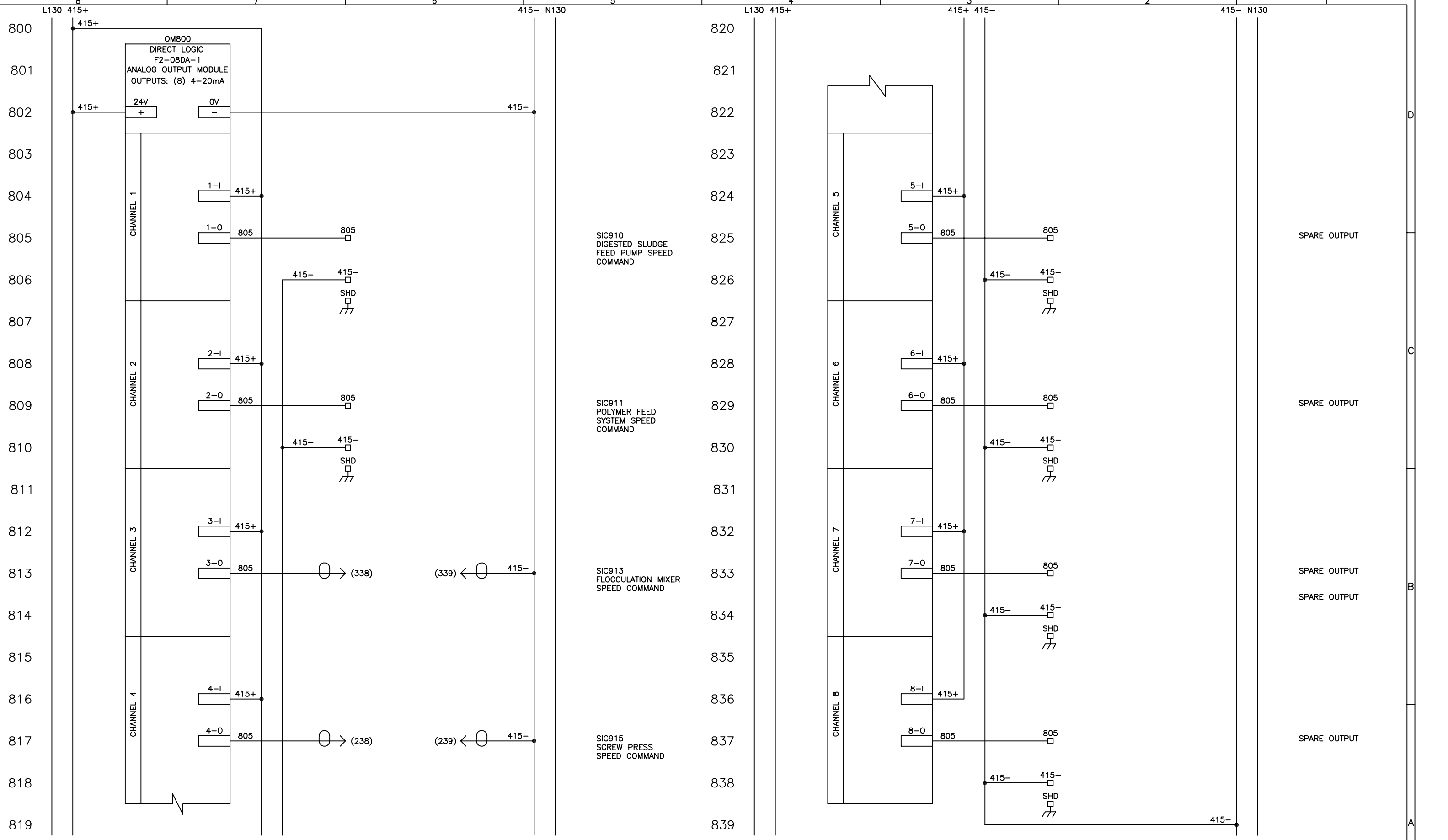
LIT01 SECONDARY  
DIGESTER SLUDGE  
LEVEL

<p>THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF SIEMENS AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO SIEMENS AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE REPRODUCED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SIEMENS. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF SIEMENS. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF SIEMENS, THIS DOCUMENT ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO SIEMENS OR DESTROYED, AS INSTRUCTED BY SIEMENS. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.</p>									
DESIGNER	DATE	TITLE							
SWT	06/08	ANALOG LOOP POWER SUPPLY / ISOLATOR							
CHECKER	DATE	SCREW PRESS PUMP CONTROL PANEL LCP-SP							
VDS	06/08	PANEL 001							
ENGINEER	DATE	CLIENT							
VDS	06/08	FKC SCREW PRESS CONTROL PANEL							
MANAGER	DATE	SAUSALITO, CA							
EWC	06/08	<p><b>SIEMENS</b> Water Technologies Control Systems Products PH: 651-766-2700</p>							
FILE:	505732-001-ED1-006-B	PROJECT	CODE	DRAWING	SHEET	REV			
SCALE:	NONE	505732	001	E04	6 OF 12	B			
REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN			
B	AS SUBMITTED	07/08	JVE	VDS	VDS				
A	AS SUBMITTED	06/08	SWT	VDS	VDS				



- 720
- 721
- 722
- 723 PIT801  
SECONDARY DIGESTER  
PRESSURE  
RANGE: 4-20mA=  
0-XXX PSI
- 724
- 725 SI910  
DIGESTED SLUDGE  
FEED PUMP SPEED  
RANGE: 4-20mA=  
0-100%
- 726
- 727 FI912  
DIGESTED SLUDGE  
FLOW  
RANGE: 4-20mA=  
0-XXX GPM
- 728
- 729 SI911  
POLYMER FEED SYSTEM  
SPEED  
RANGE: 4-20mA=  
0-100%
- 730
- 731 SI913  
FLOCCULATION  
MIXER SPEED  
RANGE: 4-20mA=  
0-100%
- 732
- 733 LIT910  
SCREW PRESS  
HEADBOX LEVEL  
RANGE: 4-20mA=  
0-150 IN. H2O
- 734
- 735 SI915  
SCREW PRESS  
SPEED  
RANGE: 4-20mA=  
0-100%
- 736
- 737 LIT01 SECONDARY  
DIGESTER SLUDGE  
LEVEL  
RANGE: 4-20mA=  
0-XX.X FT.
- 738
- 739

STD: BORDER-0106-24X36D1		INTL REF: 7060		BAR = 1" AT PLOT SCALE		REV		DESCRIPTION		DATE		DWN		CHKD		APVD		ECN		COMPANY CONFIDENTIAL THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF SIEMENS AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO SIEMENS AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE DISCLOSED, REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SIEMENS. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF SIEMENS. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF SIEMENS, THIS DOCUMENT ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO SIEMENS OR DESTROYED, AS INSTRUCTED BY SIEMENS. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.		DESIGNER DATE SWT 06/08 CHECKER DATE VDS 06/08 ENGINEER DATE VDS 06/08 MANAGER DATE EWC 06/08 FILE: 505732-001-ED4-007-B SCALE: NONE		TITLE DIRECT LOGIC MODULE SCREW PRESS PUMP CONTROL PANEL LCP-SP PANEL 001 CLIENT FKC SCREW PRESS CONTROL PANEL SAUSALITO, CA		<b>SIEMENS</b> Water Technologies Control Systems Products PH: 651-766-2700		PROJECT CODE 505732 001 DRAWING SHEET E04 7 OF 12 REV B	
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SIC910  
DIGESTED SLUDGE  
FEED PUMP SPEED  
COMMAND

SIC911  
POLYMER FEED  
SYSTEM SPEED  
COMMAND

SIC913  
FLOCCULATION MIXER  
SPEED COMMAND

SIC915  
SCREW PRESS  
SPEED COMMAND

SPARE OUTPUT

SPARE OUTPUT

SPARE OUTPUT

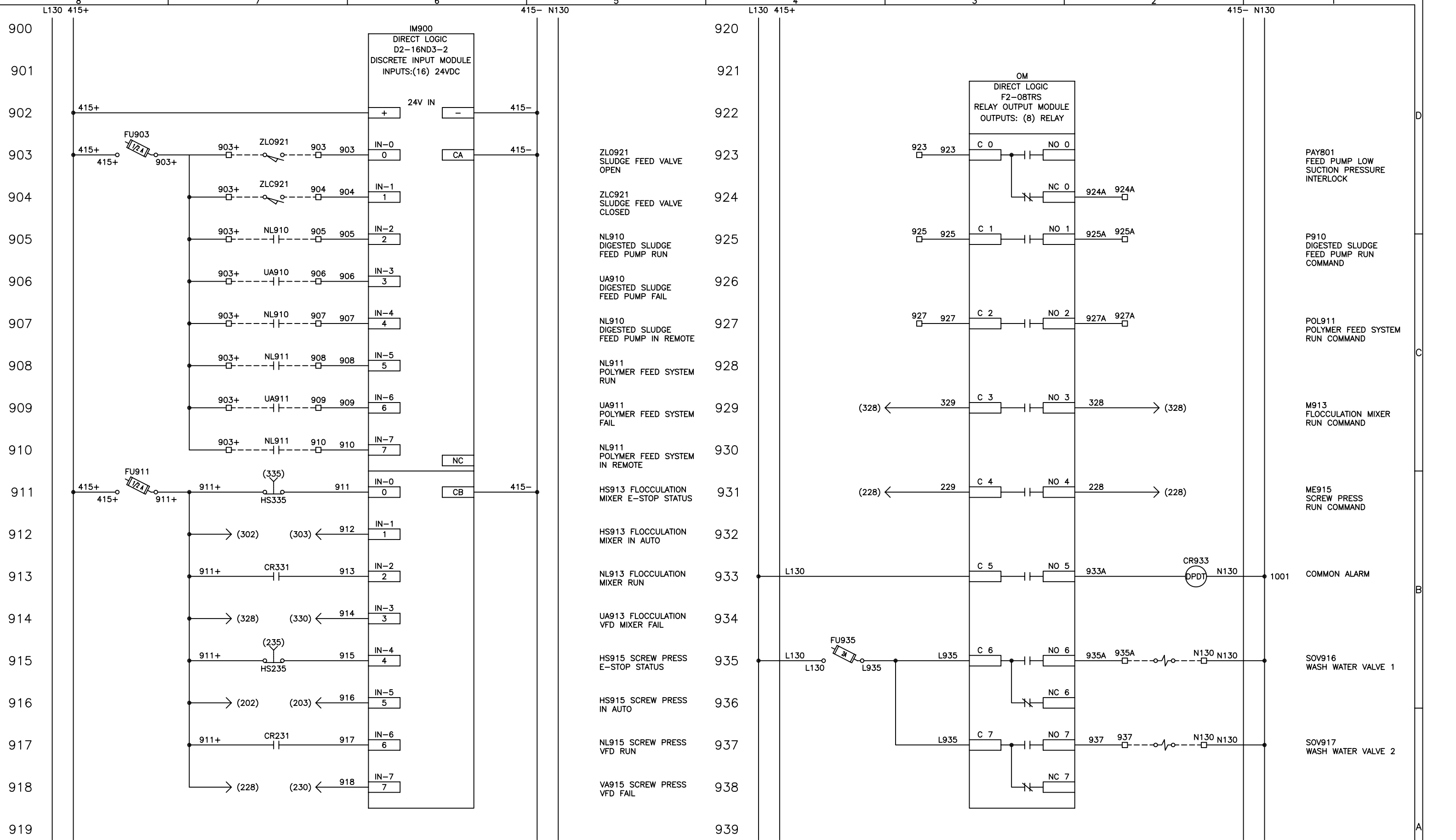
SPARE OUTPUT

SPARE OUTPUT

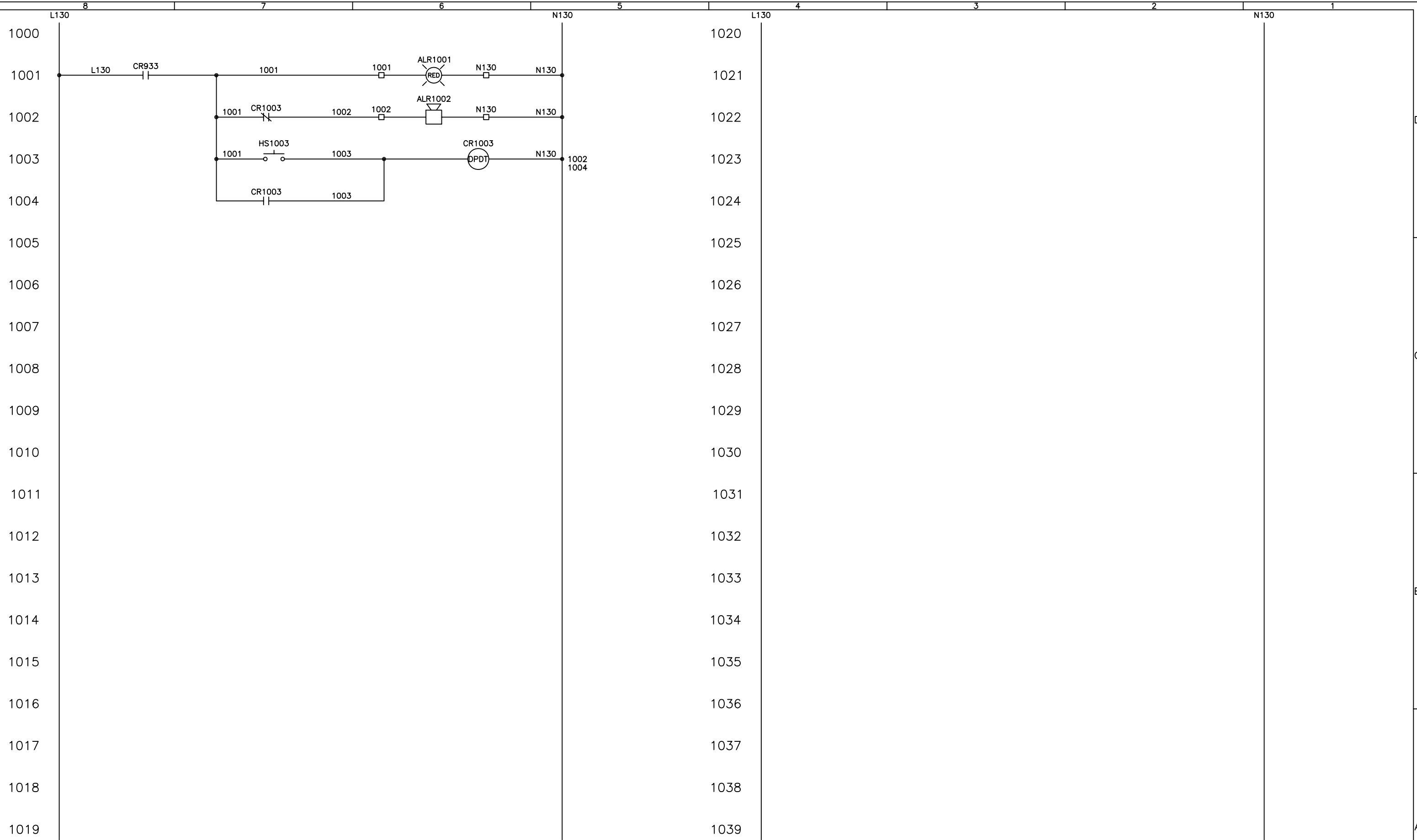
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DESIGNER	DATE
SWT	06/08
CHECKER	DATE
VDS	06/08
ENGINEER	DATE
VDS	06/08
MANAGER	DATE
EWC	06/08
FILE:	505732-001-ED4-008-B
SCALE:	NONE

TITLE		DIRECT LOGIC ANALOG OUTPUT MODULE SCREW PRESS PUMP CONTROL PANEL LCP-SP PANEL 001			
CLIENT		FKC SCREW PRESS CONTROL PANEL SAUSALITO, CA			
PROJECT		CODE	DRAWING	SHEET	REV
505732		001	E04	8 OF 12	B



STD: BORDER-0106-24X36D1 INTL REF: 7060		BAR = 1" AT PLOT SCALE		REV DESCRIPTION DATE DWN CHKD APVD ECN		THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF SIEMENS AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO SIEMENS AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY ISSUED. THEY MUST NOT BE REPRODUCED, LOANED OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SIEMENS. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF SIEMENS. ALL PATENT RIGHTS ARE RESERVED. UPON THE DEMAND OF SIEMENS, THIS DOCUMENT ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO SIEMENS OR DESTROYED, AS INSTRUCTED BY SIEMENS. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.		DESIGNER DATE SWT 06/08 CHECKER DATE VDS 06/08 ENGINEER DATE VDS 06/08 MANAGER DATE EWC 06/08 FILE: 505732-001-ED1-009-B SCALE: NONE		TITLE DIRECT LOGIC DISCRETE INPUT MODULE SCREW PRESS PUMP CONTROL PANEL LCP-SP PANEL 001 CLIENT FKC SCREW PRESS CONTROL PANEL SAUSALITO, CA		<b>SIEMENS</b> Water Technologies Control Systems Products PH: 651-766-2700		PROJECT CODE DRAWING SHEET REV 505732 001 E04 9 OF 12 B	
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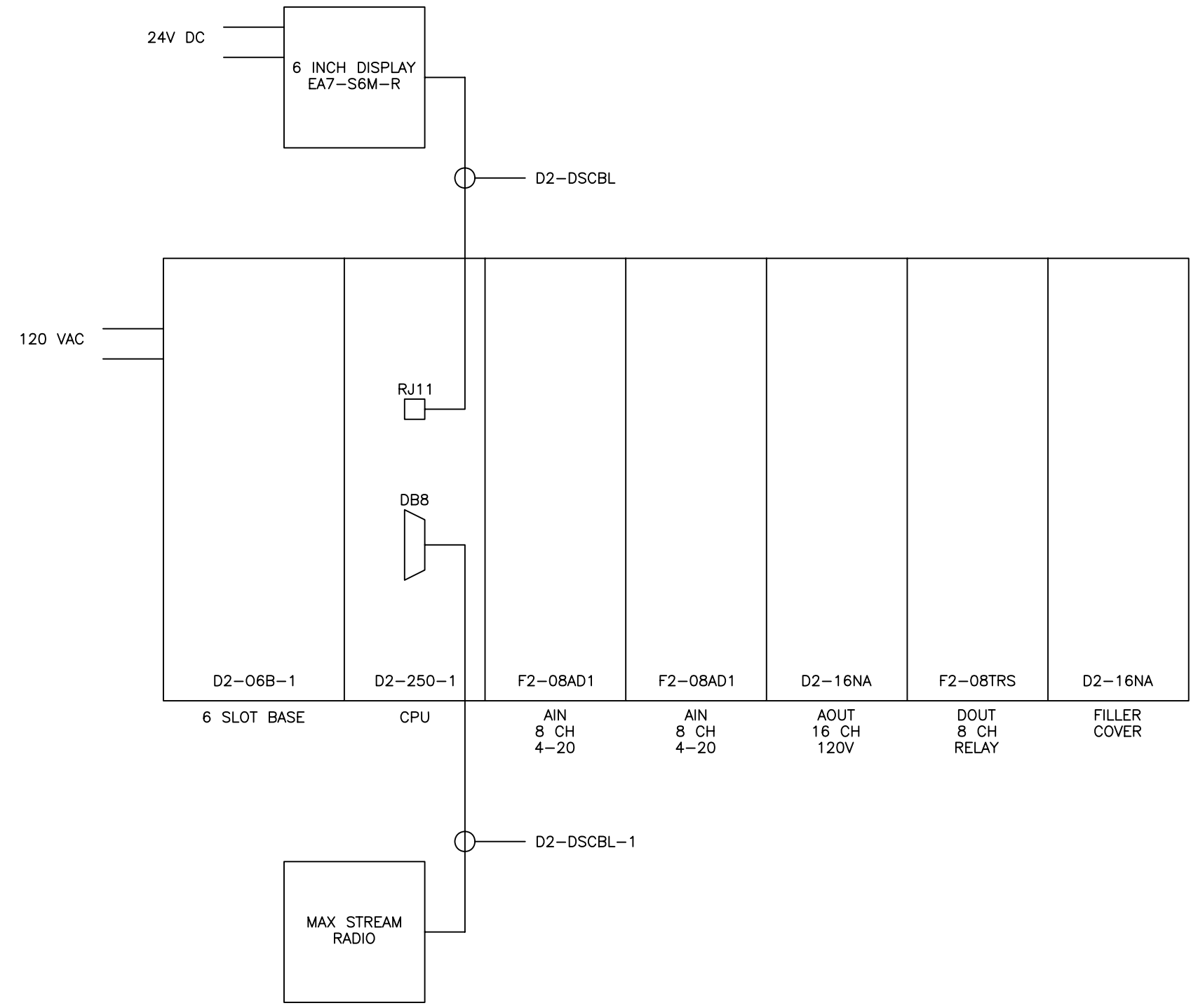


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DESIGNER	DATE
SWT	06/08
CHECKER	DATE
VDS	06/08
ENGINEER	DATE
VDS	06/08
MANAGER	DATE
EWC	06/08
FILE:	505732-001-ED4-010-B
SCALE:	NONE

TITLE		ALARMS SCREW PRESS PUMP CONTROL PANEL LCP-SP PANEL 001			
CLIENT		FKC SCREW PRESS CONTROL PANEL SAUSALITO, CA			
<b>SIEMENS</b>		Water Technologies Control Systems Products PH: 651-766-2700			
PROJECT	CODE	DRAWING	SHEET	REV	
505732	001	E04	10 OF 12	B	

STD: BORDER-0106-24X36D1	INTL REF: 7060	BAR = 1" AT PLOT SCALE	REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN
			B	AS SUBMITTED	07/08	JVE	VDS	VDS	
			A	AS SUBMITTED	06/08	SWT	VDS	VDS	



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DESIGNER	DATE
SWT	06/08
CHECKER	DATE
VDS	06/08
ENGINEER	DATE
VDS	06/08
MANAGER	DATE
EWK	06/08
FILE:	505732-001-ED4-011-B
SCALE:	NONE

TITLE CHASSIS LAYOUT  
 SCREW PRESS PUMP CONTROL PANEL LCP-SP  
 PANEL 001  
 CLIENT FKCS SCREW PRESS CONTROL PANEL  
 SAUSALITO, CA

**SIEMENS** Water Technologies  
 Control Systems Products  
 PH: 651-766-2700

PROJECT	CODE	DRAWING	SHEET	REV
505732	001	E04	11 OF 12	B

REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN
B	AS SUBMITTED	07/08	JVE	VDS	VDS	
A	AS SUBMITTED	06/08	SWT	VDS	VDS	

GENERAL PANEL ASSEMBLY INFORMATION

- 1. TYPICAL FOR PANEL QUANTITY: ONE
- 2. UL
  - YES  NO
- 3. PANEL INSULATION
  - NONE  1/2" FOAM
  - 1/2" FOIL BACK  SEE NOTES
- 4. NAMEPLATES
  - WHITE LETTERS ON BLACK BACKGROUND
  - BLACK LETTERS ON WHITE BACKGROUND
  - REVERSED ENGRAVED
  - SEE NOTES
- 5. DOOR PROP REQUIRED
  - YES  NO
- 6. NAMEPLATE MOUNTING
  - ADHESIVE
  - FASTENED WITH SCREWS
  - SEE NOTES
- 7. TERMINAL MARKERS FOR:
  - NONE  AB-SM 5x9  AB-SM 6x12
  - UK3N  AB-SM 5x12  SEE NOTES
  - UK5N  AB-SM 6x9
  - UK6N
  - 6.33 HESI FUSED TERMINALS
- 8. FUSE LABELS
  - LABEL (PANDUIT TTC8Y-10)  ENGRAVED
  - SEE NOTES
- 9. DEVICE MARKERS
  - LABEL (PANDUIT TTC8Y-10)
  - SEE NOTES  ENGRAVED
- 10. WIRE MARKERS
  - SELF-LAMINATING  HEAT SHRINK
  - SEE NOTES
- 11. SPECIAL REQUIREMENTS
  - NONE  SEE NOTES
- 12. TERMINAL AND WIRING SYMBOLOGY: REFER TO ELECTRICAL LEGEND SHEET
- 13. WIRE COLORS: REFER TO ELECTRICAL LEGEND SHEET

SCREW PRESS CONTROL PANEL

SERIAL NO.: 505732    PROD. CODE: PLC

JOB NAME: SAUSALITO, CA

VOLTS: 480    HERTZ: 60    PHASE: 3    WIRE: 3

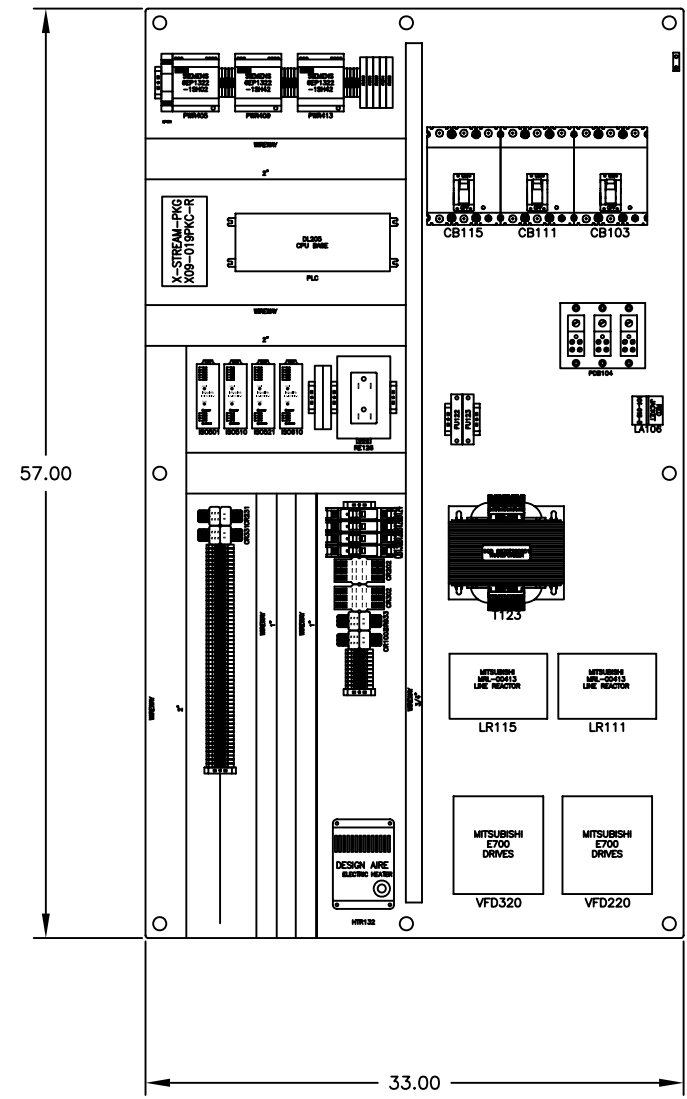
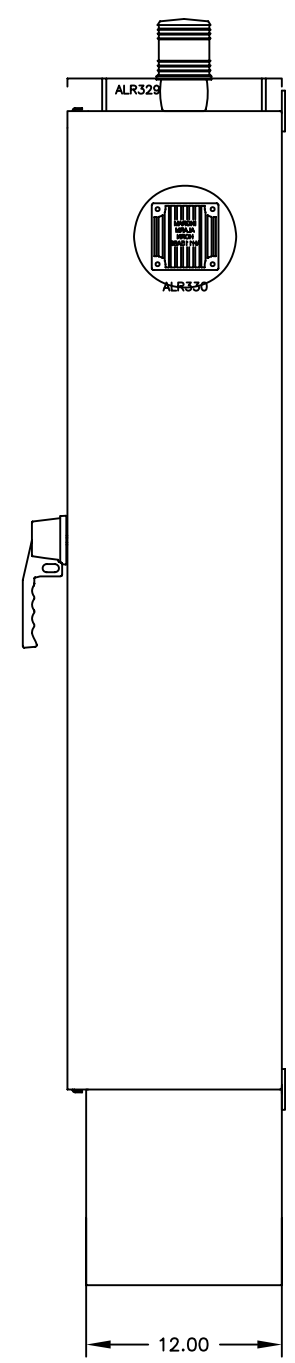
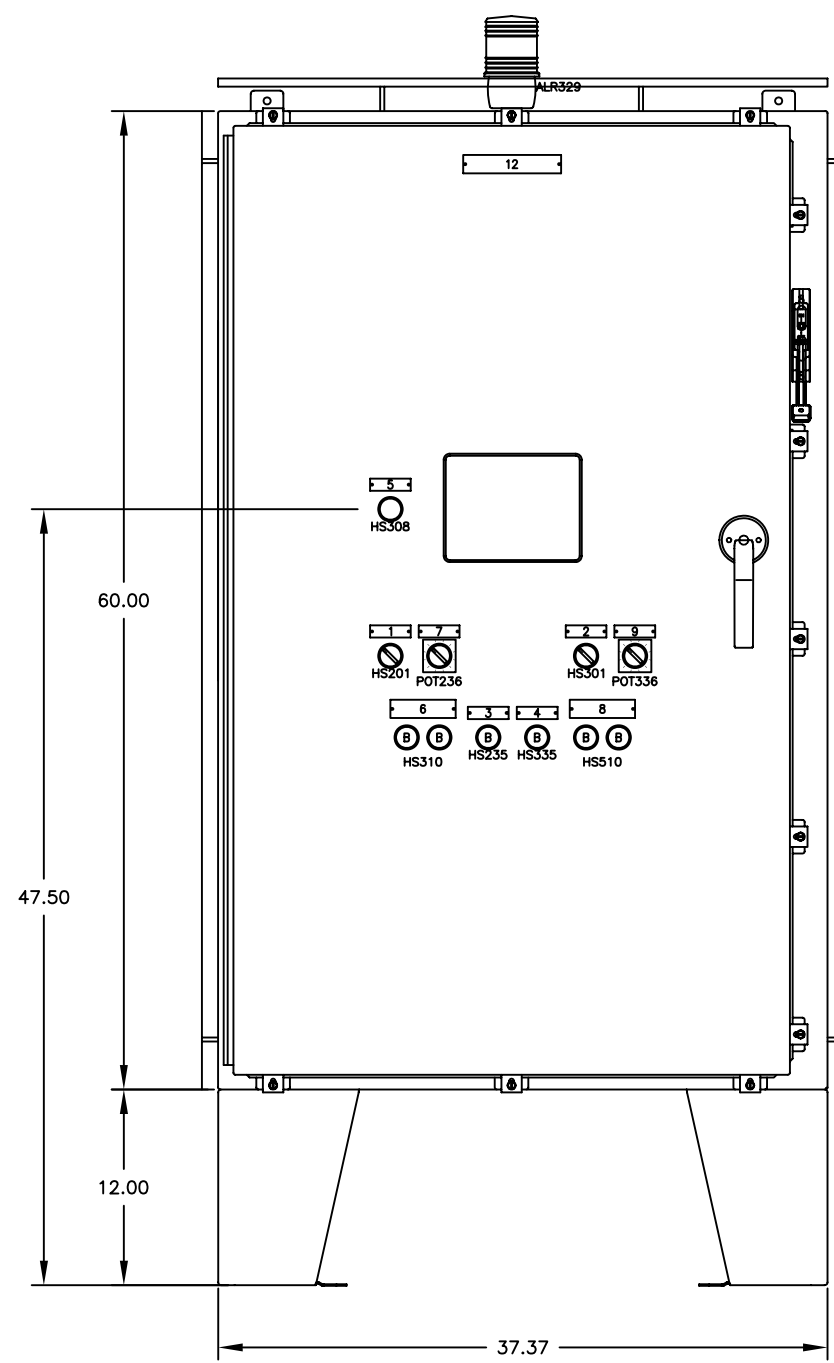
MAX. F.L.C.: 34.16 LARG. MTR.: 3 H.P.    48 F.L.C.

DRAWING NO.: 505732-001    PRESSURE:

SHORT CIRCUIT CURRENT:  
5 kA RMS SYMMETRICAL  
480 V MAXIMUM

BACK PANEL SPECIFICATIONS		ENCLOSURE SPECIFICATIONS	
MANUFACTURER	HOFFMAN	MANUFACTURER	HOFFMAN
PART NUMBER	A-60P36	PART NUMBER	A-60HS3712SSLP3PT
SIZE	57.00 X 33.00	SIZE	60.00 X 37.38 X 12.00
FINISH	WHITE	CONSTRUCTION	304 STAINLESS STEEL
		TYPE	NEMA 4X
		HINGED	LEFT
		FINISH	304 STAINLESS STEEL

- 1 SCREW PRESS ME-915  
HAND OFF AUTO
- A1 HS201
- 2 FLOCCULATION MIXER ME-913  
HAND OFF AUTO
- A1 HS301
- 3 SCREW PRESS  
EMERGENCY STOP
- A1 HS235
- 4 FLOCCULATION MIXER  
EMERGENCY STOP
- A1 HS335
- 5 HORN SILENCE
- A1 HS1003
- 6 SCREW PRESS  
START STOP
- C1 HS201A
- 7 SCREW PRESS  
SPEED
- A1 POT236
- 8 FLOCCULATION MIXER  
START STOP
- C1 HS201A
- 9 FLOCCULATION MIXER  
SPEED
- A1 POT336
- 10 SCREW PRESS CONTROL PANEL  
LCP-SP
- D3



NOTES:  
1) SUNSHIELD TOP AND SIDE.  
2) VERIFY DOOR MOUNTED COMPONENT HEIGHT.

DESIGNER	DATE	TITLE
SWT	06/08	ENCLOSURE / BACKPANEL LAYOUT
CHECKER	DATE	SCREW PRESS PUMP CONTROL PANEL LCP-SP
VDS	06/08	PANEL 001
ENGINEER	DATE	CLIENT
VDS	06/08	FKC SCREW PRESS CONTROL PANEL
MANAGER	DATE	SAUSALITO, CA
EWC	06/08	
FILE:	SCALE:	
505732-001-E02-012-B	NONE	
PROJECT	CODE	DRAWING
505732	001	E02
SHEET	REV	
12 OF 12	B	