

PREVAILING CODES AND SPECIFICATIONS

- THIS EQUIPMENT SHALL BE MANUFACTURED TO COMPLY WITH THE CODES AND SPECIFICATIONS SHOWN BELOW.

NFPA 70 - NATIONAL ELECTRICAL CODE
UL 508A - INDUSTRIAL CONTROL PANELS
CONTROL PANELS ARE TO BE UL LISTED

CSA 22.1 - CANADIAN ELECTRICAL CODE
CSA 22.2 NO. 14-05 - INDUSTRIAL CONTROL EQUIPMENT
CONTROL PANELS TO BE CSA OR cUL LISTED

CONTROL PANEL CONSTRUCTION AND INTERNAL WIRING

- COMPLY WITH GE W&PT SPECIFICATION ES-07044 (SAP# 1306015) REVISION A - WIRING OF INDUSTRIAL CONTROL PANELS.

WITH THE FOLLOWING EXCEPTIONS:
- NONE

EQUIPMENT WIRING AND RACEWAYS

- COMPLY WITH GE W&PT SPECIFICATION ES-07045 (SAP# 1306016) REVISION A - WIRING OF EQUIPMENT ASSEMBLIES.
- USE RIGID GALVANIZED STEEL CONDUIT (TYPE RMC) WITH LISTED FITTINGS.
- USE LIQUID-TIGHT FLEXIBLE METAL CONDUIT (TYPE LFMC) WITH LISTED FITTINGS.

- CONDUCTOR AMPACITY IS FOR A MAXIMUM AMBIENT TEMPERATURE OF 40°C (140°F).

WITH THE FOLLOWING EXCEPTIONS:
- NONE

FIELD INTERCONNECTING WIRING

- FIELD WIRING MATERIALS AND INSTALLATION LABOR ARE NOT PROVIDED BY GE W&PT.

- ALL FIELD CONNECTIONS TO FIELD WIRING TERMINALS IN ENCLOSURES SHALL MEET ANY MARKED REQUIREMENTS FOR WIRE TYPE, TEMPERATURE RATING, AND TIGHTENING TORQUE. TYPICALLY, STRANDED COPPER CONDUCTORS ARE REQUIRED. TYPICALLY, CONDUCTOR AMPACITIES MUST BE CALCULATED AT 60°C (140°F) FOR TERMINALS RATED FOR LESS THAN 100 AMPS, OR AT 75°C (167°F) FOR TERMINALS RATED FOR 100 AMPS OR MORE.

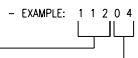
- THE GE W&PT DESIGN IN THIS DRAWING SET IS FOR THE INSTALLATION CONDITIONS SPECIFIED FOR THE GE W&PT EQUIPMENT. ANY CONDUCTOR SIZE, WIRING MATERIAL, OR OTHER DESIGN ELEMENT SPECIFIED IN THIS DRAWING SET IS THE MINIMUM REQUIRED BY THE GE W&PT DESIGN FOR THE SPECIFIED INSTALLATION CONDITIONS. THE INSTALLATION LOCATION MIGHT HAVE UNSPECIFIED PROBLEMATIC CONDITIONS SUCH AS ELECTROMAGNETIC INTERFERENCE, HIGH VOLTAGE DROP IN LONG CABLE RUNS, OR SPECIAL ENVIRONMENTAL CONDITIONS INCLUDING ULTRAVIOLET LIGHT (UV OR SUNLIGHT), HIGH TEMPERATURE, LOW TEMPERATURE, HIGH VIBRATION, OIL, AND CORROSIVE SALTS, VAPORS OR FUMES. THE ELECTRICAL EQUIPMENT PRODUCED ACCORDING TO THIS DRAWING SET IS NOT DESIGNED TO BE SUITABLE FOR MANY OF THE POSSIBLE UNSPECIFIED INSTALLATION CONDITIONS.

THE INSTALLER IS RESPONSIBLE FOR PROVIDING A FIELD ELECTRICAL INSTALLATION THAT IS SUITABLE FOR THE ACTUAL INSTALLATION CONDITIONS. THIS RESPONSIBILITY INCLUDES LOCAL CODE REQUIREMENT COMPLIANCE AND DAMAGE REPAIR DUE TO SIGNIFICANT DETERIORATION (AT LEAST FOR THE GE W&PT WARRANTY PERIOD) OR INADEQUATE PROTECTION FROM PHYSICAL DAMAGE. IF UNSPECIFIED INSTALLATION CONDITIONS OR DEFICIENT INSTALLATION WORKMANSHIP REQUIRE MODIFICATION OF THE INSTALLATION OR EQUIPMENT, GE W&PT IS NOT RESPONSIBLE FOR THE MODIFICATION COSTS, WHICH CAN INCLUDE BUT ARE NOT LIMITED TO LARGER CONDUCTORS, REPLACEMENT WIRING MATERIALS, LABOR, AND LIQUIDATED DAMAGES.

RUNG NUMBERS

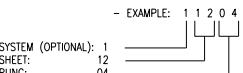
USED WHEN A UNIQUE DRAWING NUMBER IS ASSIGNED FOR EACH SHEET

- FIRST THREE CHARACTERS: DRAWING IDENTIFIER
- FOURTH AND FIFTH CHARACTERS: RUNG IDENTIFIER



USED WHEN A COMMON DRAWING NUMBER IS ASSIGNED FOR SEVERAL SHEETS

- FIRST CHARACTER: SYSTEM
- SECOND AND THIRD CHARACTERS: SHEET NUMBER
- FOURTH AND FIFTH CHARACTERS: RUNG IDENTIFIER

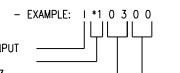
**TERMINAL AND WIRE NUMBERS**

USE THE FOLLOWING SCHEME FOR WIRES AND TERMINALS NOT CONNECTED TO PLC I/O

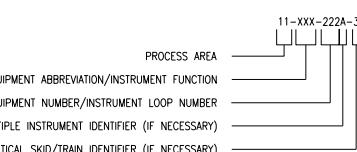
- THE RUNG NUMBER IS USED TO IDENTIFY A WIRE AND ITS CORRESPONDING TERMINALS
- WHEN THERE IS NO TERMINAL NUMBER SHOWN, THE TERMINAL NUMBER IS THE SAME AS THE WIRE NUMBER
- WHERE THERE IS MORE THAN ONE WIRE ON A RUNG, THE OTHER WIRES ARE IDENTIFIED USING THE RUNG NUMBER FOLLOWED BY A LETTER

USE THE FOLLOWING SCHEME FOR WIRES AND TERMINALS CONNECTED TO PLC I/O

- FIRST CHARACTER: I FOR INPUTS, O FOR OUTPUTS
- SECOND * CHARACTER: RACK NUMBER
- THIRD AND FOURTH CHARACTER: SLOT NUMBER
- FIFTH AND SIXTH CHARACTER: POINT NUMBER



* = 2 CHARACTERS IF THERE ARE MORE THAN 9 RACKS

EQUIPMENT AND INSTRUMENT TAG NUMBERS**NOISELESS GROUND FOR INSTRUMENTATION**

- A CONTROL PANEL MAY INCLUDE A SEPARATE NOISELESS GROUND BUS THAT PROVIDES A COMMON GROUND REFERENCE POINT FOR INSTRUMENTATION CIRCUITS AND SHIELDS. WHERE THE NOISELESS GROUND BUS IS INSTALLED FROM THE PANEL ON WHICH IT IS MOUNTED, THERE IS A BONDING JUMPER FROM THIS GROUND BUS TO A POINT ON THE PANEL NEAR THE GROUND BUS.

IF POSSIBLE, THE NOISELESS GROUND BUS SHOULD BE CONNECTED TO AN EXTERNAL GROUND THAT IS FREE OF ELECTRICAL NOISE. TO PROVIDE LOW IMPEDANCE, THIS GROUND CONNECTION SHOULD USE COPPER BRAID, COPPER STRIP, OR A 6 AWG OR LARGER WIRE. IF THERE IS AN EXTERNAL GROUND CONNECTION, THE WIRE FROM THE GROUND BUS TO THE PANEL MUST BE REMOVED (THE JUMPER MAY BE LABELED "REMOVE THIS WIRE WHEN USING AN ISOLATED GROUND SYSTEM").

DESIGNATIONS FOR ELECTRICAL PANELS OR ENCLOSURES

THE FOLLOWING DESIGNATIONS ARE USED IN THIS ELECTRICAL SCHEMATIC TO IDENTIFY THE LOCATION OF EACH TERMINAL BLOCK

DESIGNATION ON SCHEMATIC	DESCRIPTION	COMPLETE TAG NUMBER
CP-01	RO CONTROL PANEL	34-CP-101
VFD-01	RO HIGH PRESSURE PUMP #1//2 VFD	34-VFD-201
HTR-01	CIP HEATER CONTROL ENCLOSURE	35-CIP-101

WIRE COLORS

GREEN WITH YELLOW STRIPE (OR GREEN)
WHITE
BLACK
RED
BLUE
WHITE WITH BLUE STRIPE
ORANGE

CONDUCTOR TYPE

EQUIPMENT GROUNDING AND BONDING CONDUCTORS
GROUNDED AC CURRENT-CARRYING CONDUCTORS (NEUTRALS)
UNGROUNDED CONDUCTORS FOR AC AND DC POWER CIRCUITS
UNGROUNDED CONDUCTORS FOR AC CONTROL CIRCUITS
UNGROUNDED CONDUCTORS FOR DC CONTROL CIRCUITS
GROUNDED CURRENT-CARRYING CONDUCTORS FOR DC CONTROL CIRCUITS
UNGROUNDED CONDUCTORS FOR AC AND DC REMOTE CONTROL CIRCUITS

TERMINAL BLOCKS DESIGNATIONS

TB-VAC(x)	UNGROUNDED AC POWER
TB-N(x)	GROUNDED AC POWER
TB-MCR(x)	MASTER CONTROL RELAY WIRING
TB-VDC(x)	UNGROUNDED DC CONTROL POWER
TB-DCCOM(x)	GROUNDED DC CONTROL POWER
TB-DI(x)	DISCRETE INPUT SIGNAL WIRING
TB-DO(x)	DISCRETE OUTPUT SIGNAL WIRING
TB-AI(x)	ANALOG INPUT SIGNAL WIRING
TB-AO(x)	ANALOG OUTPUT SIGNAL WIRING
TB-HW(x)	OTHER INTERNAL WIRING
TB-FD(x)	OTHER FIELD WIRING

(x) DENOTES SUB-GROUPS

ADDITIONAL NOTES

REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHGD	TOLERANCES UNLESS NOTED DECIMALS INCHES XX ± FRAC XXX ± #	DRAWN BY NPI GE Water & Process Technologies GENERAL ELECTRIC COMPANY, A GE Company, www.gewater.com	DATE 120c108 3Apr09	CHECKED BY SWE GE Water & Process Technologies GENERAL ELECTRIC COMPANY, A GE Company, www.gewater.com	DATE 3Apr09	APPROVED BY BJB GE Water & Process Technologies GENERAL ELECTRIC COMPANY, A GE Company, www.gewater.com	DATE 3Apr09	APPROVED BY DATE	CLIENT/JOB	DWG DESCRIPTION ELEC-ASSY, PRO, PRE, A-B, 120/240 VAC, 60/50 Hz	SIZE D	DRAWING NO. 1305070	REV B
B	ENGINEERING CHANGES	14020	RMB	BUB	260c109	SWE	DO NOT SCALE	GE Water & Process Technologies GENERAL ELECTRIC COMPANY, A GE Company, www.gewater.com								MATERIAL/BOM NO. 3032804	SCALE NONE	HEET 1 OF 18	
A	INITIAL RELEASE	13743	NPI																

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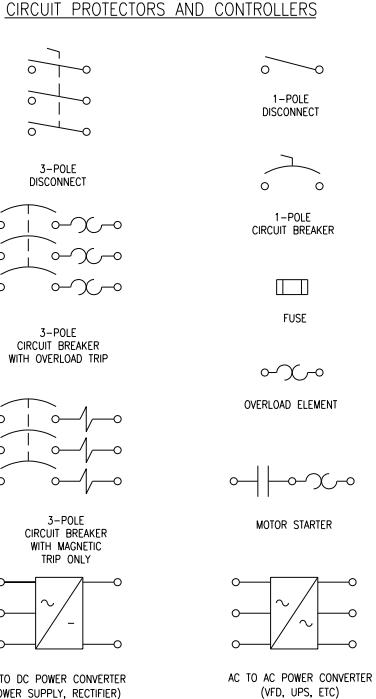
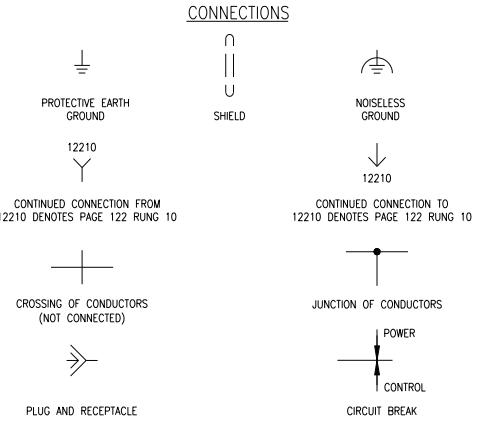
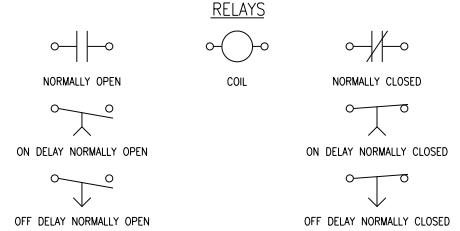
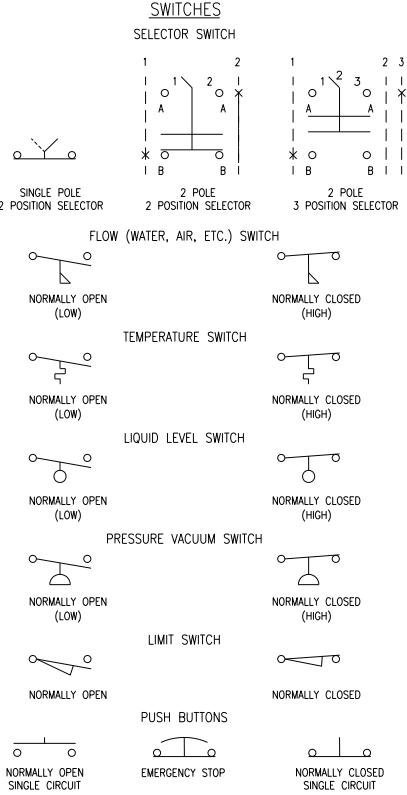
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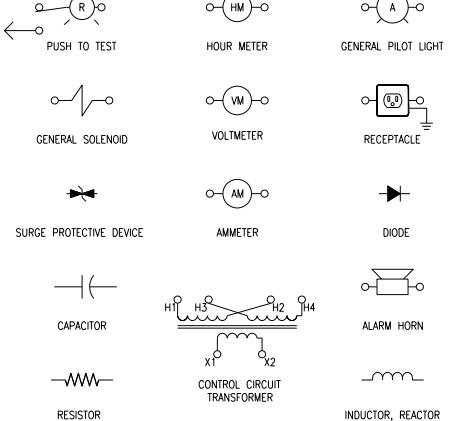
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OTHER COMPONENTS



DESIGNATIONS AND ABBREVIATIONS

AH	ALARM HORN
AUX	AUXILIARY CONTACT
C	CAPACITOR, CELSIUS
CB	CIRCUIT BREAKER
COM	COMMON
COMM	COMMUNICATION DEVICE
CON	CONTACTOR
CP	CONTROL PANEL
CR	CONTROL RELAY
CRM	MASTER CONTROL RELAY
CT	CURRENT TRANSFORMER
DISC	DISCONNECT SWITCH
DISP	DISPLAY
FS	FUSE
FV	VALVE (FLOW VALUE)
FY	SOLENOID, PILOT VALVE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HM	HOUR METER
HTR	HEATER
IE	CURRENT SENSING ELEMENT
JB	JUNCTION BOX
LI	LEVEL INDICATOR, PILOT LIGHT
LS	LEVEL SWITCH
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MS	MOTOR STARTER
M	MOTOR
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OL	OVERLOAD RELAY
PB	PUSHBUTTON SWITCH
PDL	ILLUMINATED DISTRIBUTION SWITCH
PDB	POWER DISTRIBUTION BLOCK
PLC	PROGRAMMABLE LOGIC CONTROLLER
PWS	POWER SUPPLY
R	RESISTOR
RECPT	RECEPTACLE
RECT	RECTIFIER
SB	SOLENOID BOX
SHLD	CABLE SHIELD
SPD	SURGE PROTECTIVE DEVICE
SPST	SELECTOR SWITCH
SSR	SOLID STATE RELAY
T	TRANSFORMER
TB	TERMINAL BLOCK
TR	TIME DELAY RELAY, TIMER
TS	TEMPERATURE SWITCH, THERMOSTAT
UPS	UNINTERRUPTIBLE POWER SUPPLY
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLTMETER
X	INDUCTOR, REACTOR
ZS	POSITION OR LIMIT SWITCH

LIGHT COLOR LEGEND

A	AMBER (YELLOW)
B	BLUE
G	GREEN
R	RED
W	WHITE

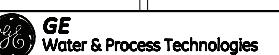
WIRE COLOR ABBREVIATIONS

BK	BLACK
BLU	BLUE
BRN	BROWN
GRN	GREEN
GRY	GRAY
ORN	ORANGE
VIO	VIOLET
RED	RED
WHIT	WHITE
YEL	YELLOW

FOR WIRES WITH COLOR STRIPES, THE FIRST ABBREVIATION IS THE BASE COLOR AND SECOND ABBREVIATION IS THE STRIPE COLOR. FOR EXAMPLE, GRN/YEL is a GREEN WIRE WITH A YELLOW STRIPE.

— DENOTES CONTROL PANEL AND EQUIPMENT WIRING

- - - - - DENOTES FIELD INTERCONNECTING WIRING



GE Water & Process Technologies
Water Treatment | Industrial Solutions | Power Generation | Water Distribution

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REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHKD	TOLERANCES UNLESS NOTED	ANGLES	APPROVED BY	DATE	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV	
							DECIMALS	X	NP1	120ct08		ELEC-ASSY, PRO, PRE, A-B,	D	1305070	B	
							XX ±	FRAC	SWE	3Apr09		120/240 VAC, 60/50 Hz				
							XXX ±		BJB	3Apr09		PROJECT		1305070		
B	ENGINEERING CHANGES	14020	RMB	BUB	26Oct09	SWE	DO NOT SCALE	THIRD ANGLE	APPROVED BY	DATE		FILE	PROMIS-E	MATERIAL/BOM NO.	3032804	
A	INITIAL RELEASE	13743	NPI									SCALE	NONE	HEET	2 OF 18	P/N 1161662-RP01

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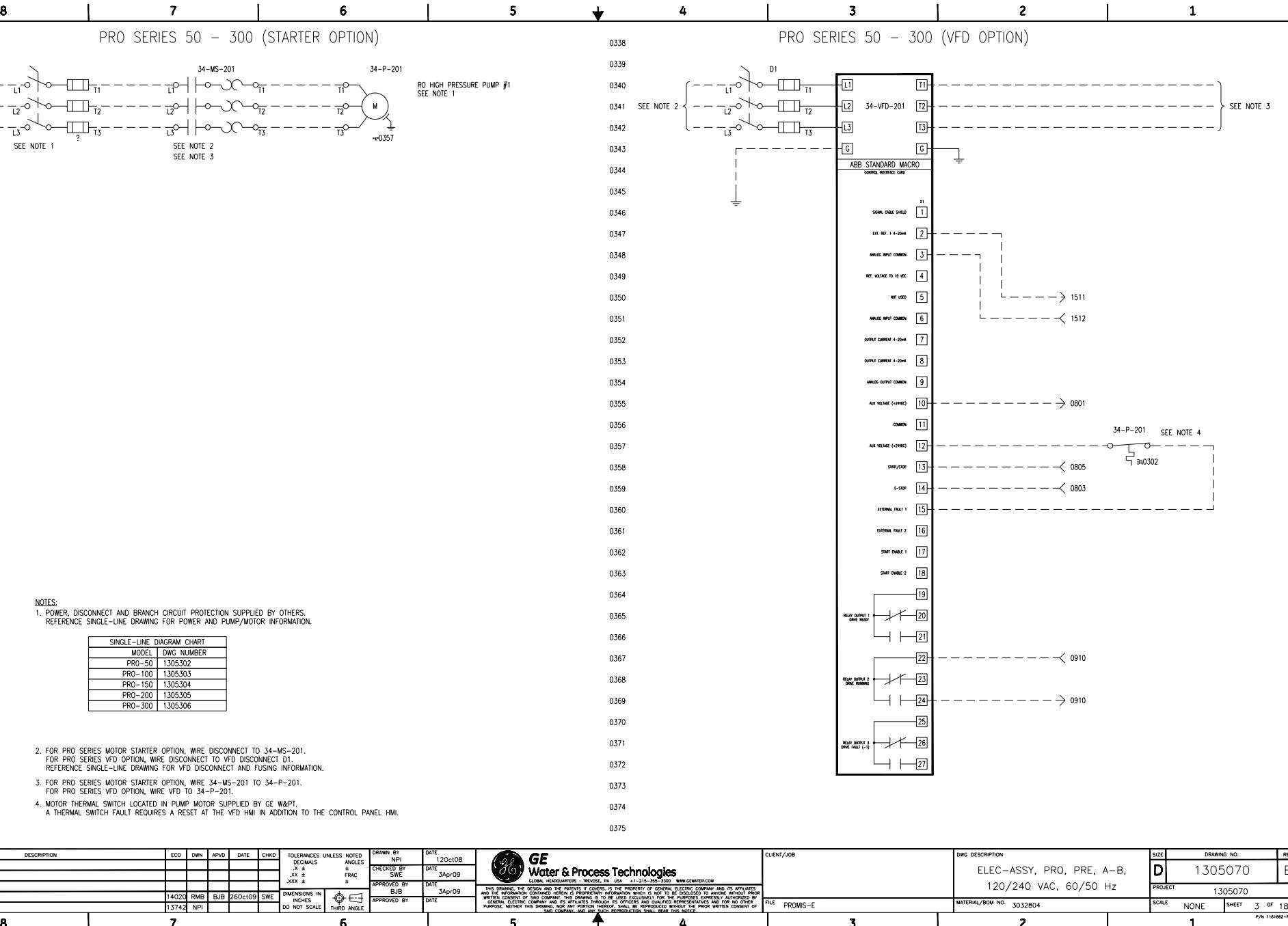
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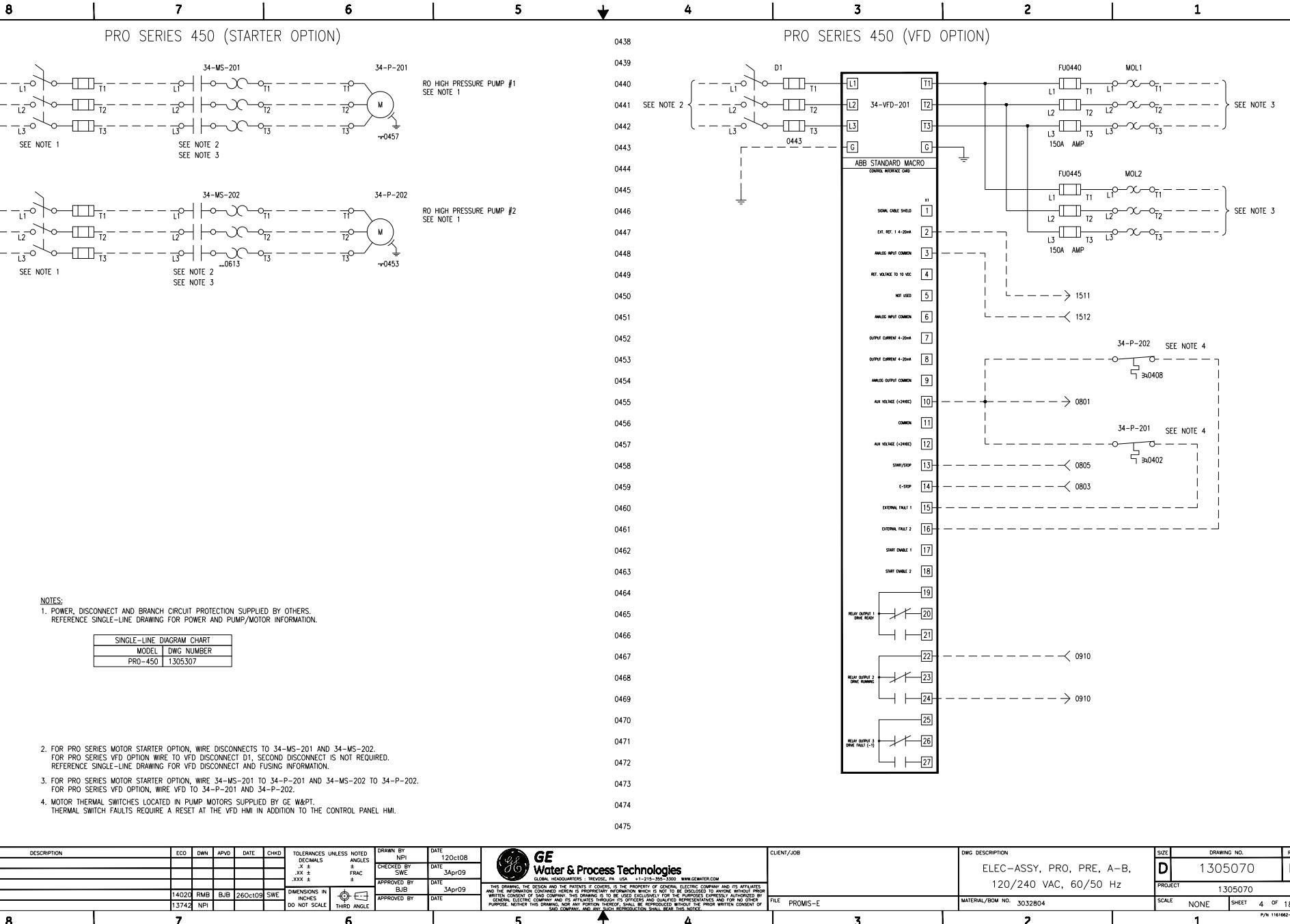
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NOTES:

- POWER, DISCONNECT AND BRANCH CIRCUIT PROTECTION SUPPLIED BY OTHERS.
REFERENCE SINGLE-LINE DRAWING FOR POWER AND PUMP/MOTOR INFORMATION.

SINGLE-LINE DIAGRAM CHART	
MODEL	DWG NUMBER
PRO-50	1305302
PRO-100	1305303
PRO-150	1305304
PRO-200	1305305
PRO-300	1305306
PRO-450	1305307

- MOTOR STARTERS SUPPLIED BY GE W&PT AS OPTIONAL EQUIPMENT INSTALLED AND WIRED BY OTHERS.
OTHERWISE SUPPLIED, INSTALLED, AND WIRED BY OTHERS.

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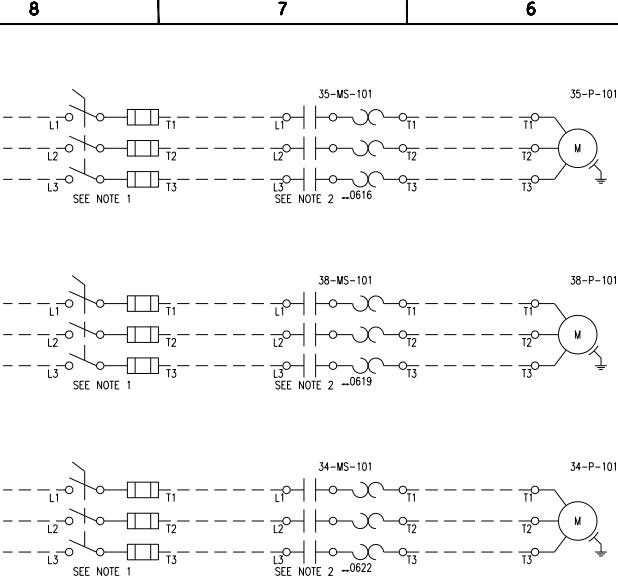
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35-P-101

CIP PUMP
SEE NOTE 1

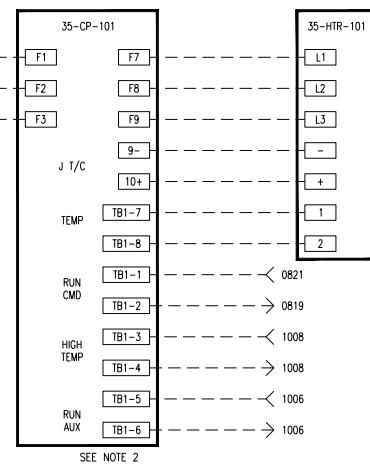
38-P-101

PERMEATE TRANSFER PUMP
SEE NOTE 1

34-P-101

RO FEED PUMP
SEE NOTE 1

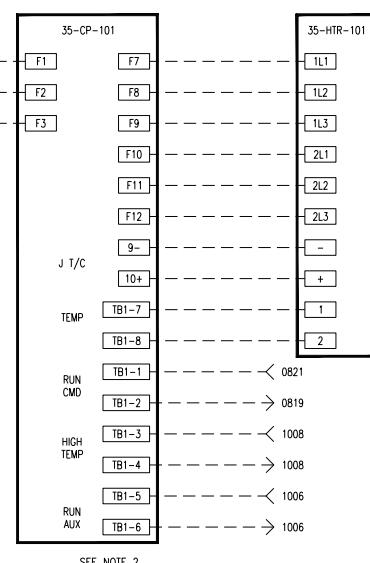
PRO SERIES 50 - 200 (CIP OPTION)



35-CP-101
CIP CIRCULATION HEATER
CONTROL ENCLOSURE

35-HTR-101
CIP CIRCULATION HEATER

PRO SERIES 300 - 450 (CIP OPTION)



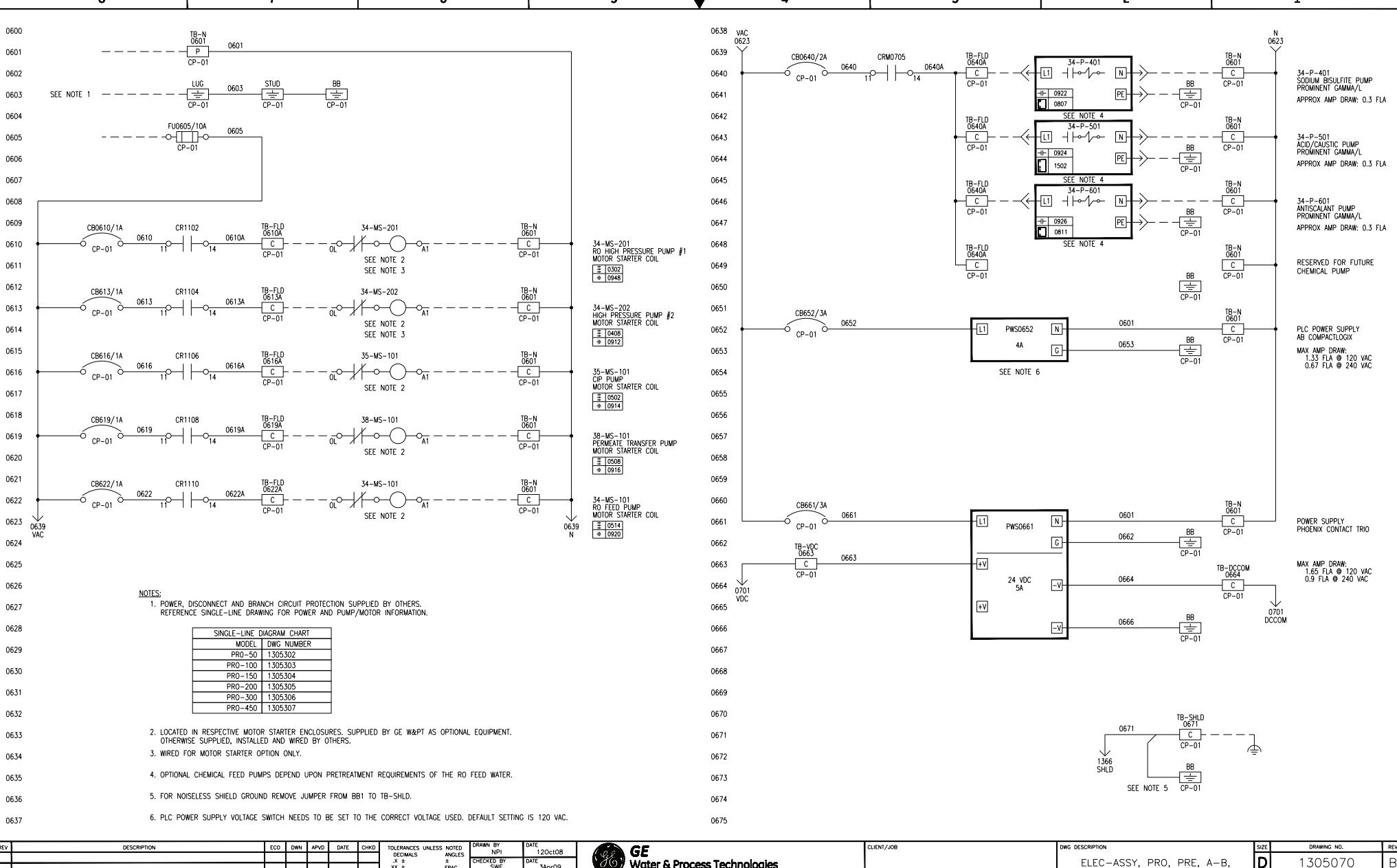
35-CP-101
CIP CIRCULATION HEATER
CONTROL ENCLOSURE

35-HTR-101
CIP CIRCULATION HEATER

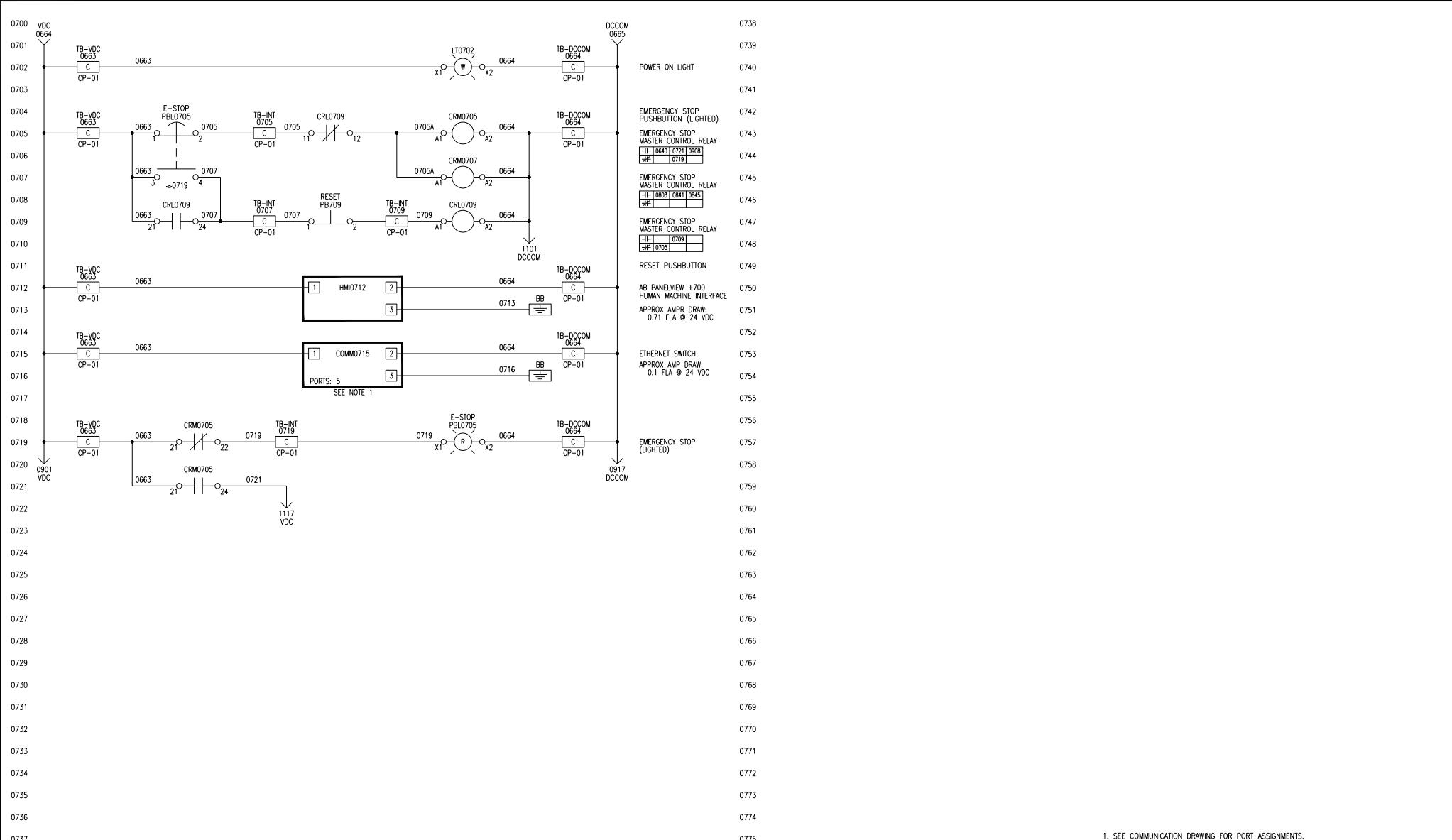
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							DECIMALS X XX ± XXX ±	NPI SWE	120c108 3Apr09	GE Water & Process Technologies www.gewater.com	ELEC-ASSY, PRO, PRE, A-B, 120/240 VAC, 60/50 Hz	D	1305070	B	
B	ENGINEERING CHANGES	14020	RMB	BUB	260c109	SWE	DO NOT SCALE	APPROVED BY	DATE		GENERAL ELECTRIC COMPANY AND ITS AFFILIATES RESERVE THE RIGHT TO REPRODUCE THIS DRAWING GENERAL ELECTRIC COMPANY AND ITS AFFILIATES THROUGH ITS OFFICES AND QUALIFIED REPRESENTATIVES AND FOR NO OTHER PURPOSE THAN INTERNAL COMPANY USE. ANY SUCH REPRODUCTION SHALL BEAR THIS NOTICE.	PROJECT	1305070		
A	INITIAL RELEASE	13743	NPI				THIRD ANGLE			FILE	PROMIS-E	MATERIAL/BOM NO.	3032804	SCALE	NONE
														SHEET	5 OF 18

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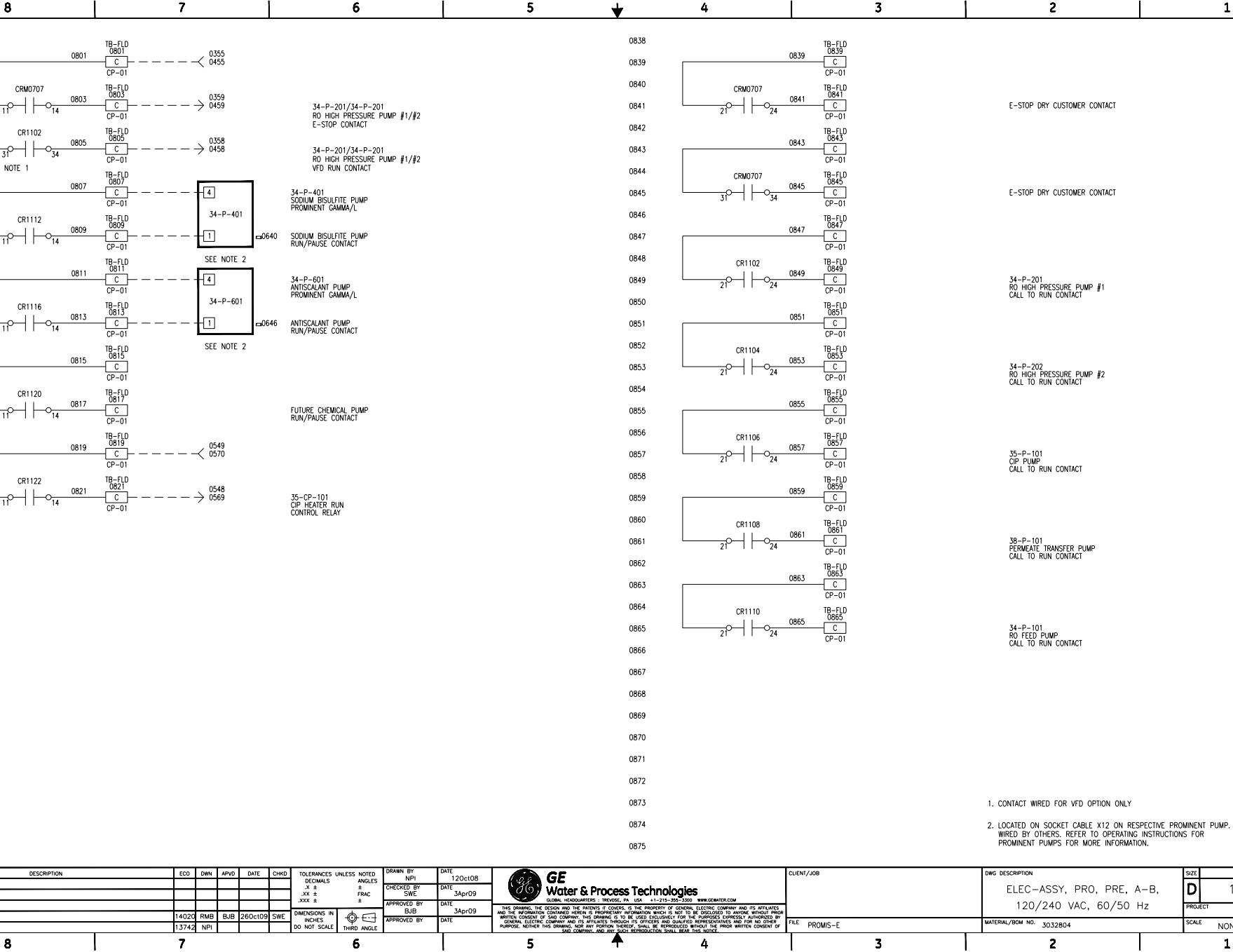


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REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHKD	TOLERANCES UNLESS NOTED	DRAWN BY	CHECKED BY	APPROVED BY	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV
							DECIMALS X XX ± XXX ±	NPI	3Apr09	3Apr09		GE Water & Process Technologies	D	1305070	B
							ANGLES ° FRAC					ELEC-ASSY, PRO, PRE, A-B, 120/240 VAC, 60/50 Hz			
B	ENGINEERING CHANGES	14020	RMB	BJB	260c109	SWE	DIMENSIONS IN INCHES DO NOT SCALE THIRD ANGLE					PROJECT	1305070		
A	INITIAL RELEASE	13743	NPI									FILE	PROMIS-E	MATERIAL/BOM NO.	3032804
												SCALE	NONE	SHEET 7 OF 18	P/N 1161662-RP01

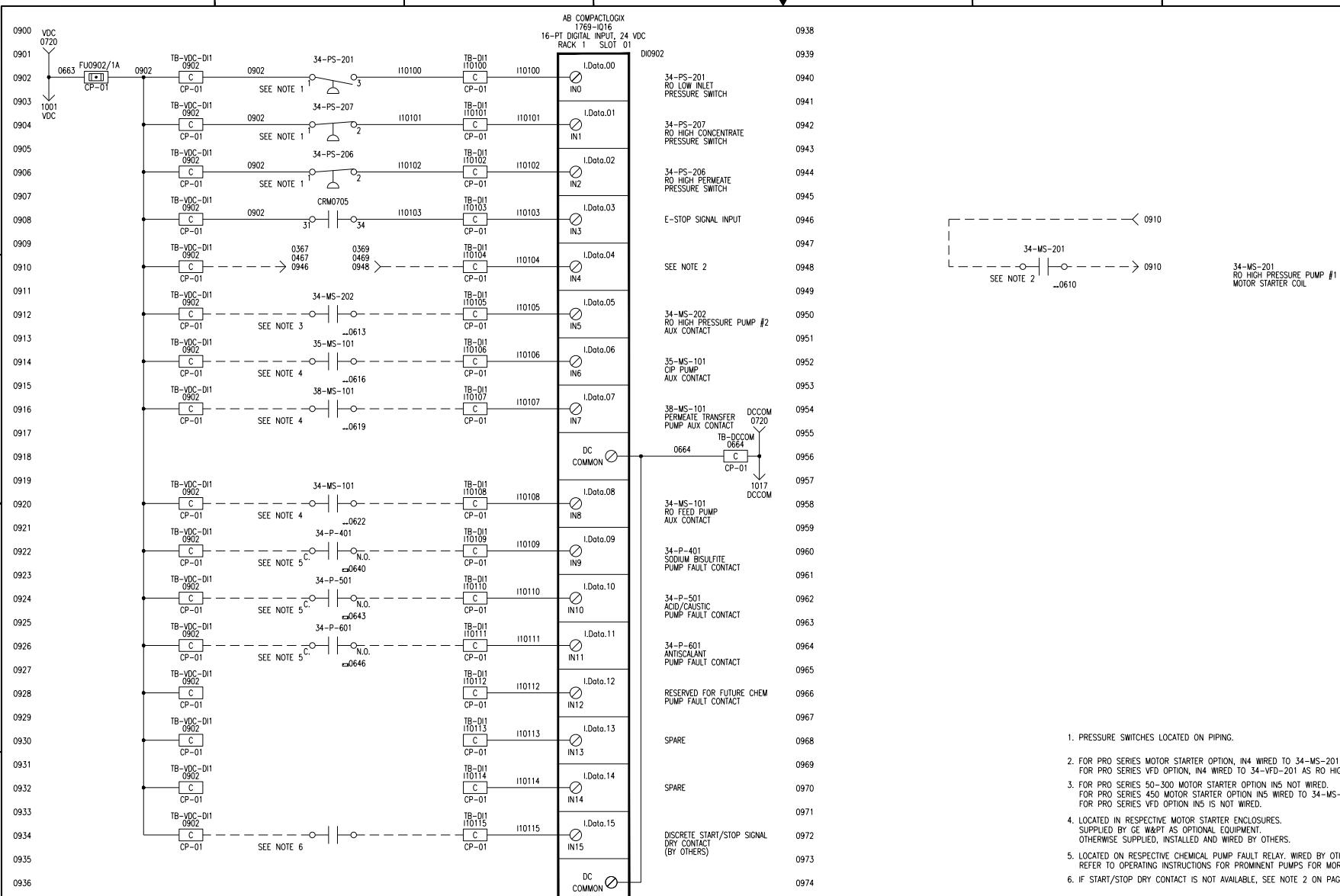
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REV	DESCRIPTION	ECO	DWN	APVO	DATE	CHKD	TOLERANCES UNLESS NOTED	DRAWN BY	CHECKED BY	APPROVED BY	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV	
							DECIMALS X XX ± XXX ±	ANGLES ° FRAC #	NPI SWE	DATE 3Apr09	DATE 3Apr09	GE Water & Process Technologies www.gewater.com				
							DIMENSIONS IN INCHES DO NOT SCALE	THIRD ANGLE				120c108				
B	ENGINEERING CHANGES	14020	RMB	BUB	26Oct09	SWE							ELEC-ASSY, PRO, PRE, A-B, 120/240 VAC, 60/50 Hz	D	1305070	B
A	INITIAL RELEASE	13742	NPI										PROJECT		1305070	
													FILE	PROMIS-E	MATERIAL/BOM NO.	3032804
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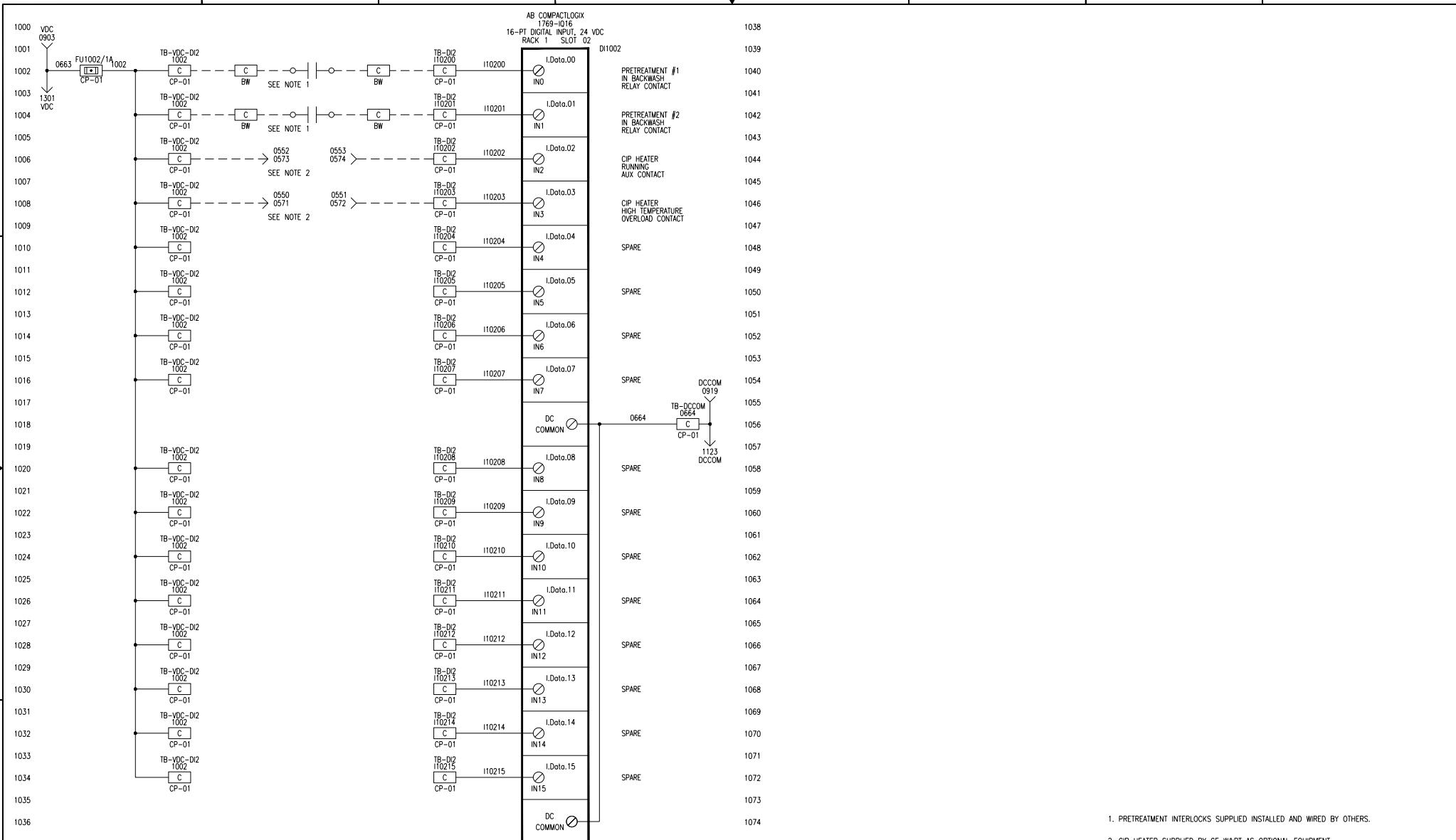


REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHGD	TOLERANCES UNLESS NOTED	DRAWN BY	DATE	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV				
							DECIMALS X XX ± XXX ±	ANGLES ° FRAC #	NPI 3Apr09	120c108	GE Water & Process Technologies	ELEC-ASSY, PRO, PRE, A-B, 120/240 VAC, 60/50 Hz	D	1305070	B			
									SWE	3Apr09	GE Water & Process Technologies	PROJECT	1305070					
B	ENGINEERING CHANGES	14020 RMB	BJB	26Oct09							THIS DRAWING, THE DESIGN AND THE PATENTS IT COVERS, IS THE PROPERTY OF GENERAL ELECTRIC COMPANY AND ITS AFFILIATES AND THE INFORMATION CONTAINED HEREIN IS PROPRIETARY INFORMATION WHICH IS NOT TO BE DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN APPROVAL OF GENERAL ELECTRIC COMPANY. GENERAL ELECTRIC COMPANY AND ITS AFFILIATES, THROUGH ITS OFFICERS AND QUALIFIED REPRESENTATIVES AND FOR NO OTHER PURPOSE, HEREBY RESERVE ALL RIGHTS IN AND TO THE DRAWINGS, DESIGNS AND PROPRIETARY INFORMATION CONTAINED HEREIN WHETHER OR NOT THEY ARE EXPRESSEDLY STATED. NO PART OF THIS DRAWING, THE DESIGN AND THE PATENTS IT COVERS, OR THE PROPRIETARY INFORMATION CONTAINED HEREIN MAY BE REPRODUCED, IN WHOLE OR IN PART, OR USED TO MAKE OTHER DRAWINGS THEREFROM, WITHOUT THE EXPRESS WRITTEN CONSENT OF THE SAID COMPANY, AND ANY SUCH REPRODUCTION SHALL BREACH THIS NOTICE.							
A	INITIAL RELEASE	13743	NPI				DO NOT SCALE	THIRD ANGLE			FILE	PROMIS-E	MATERIAL/BOM NO.	3032804	SCALE	NONE	Sheet	9 of 18

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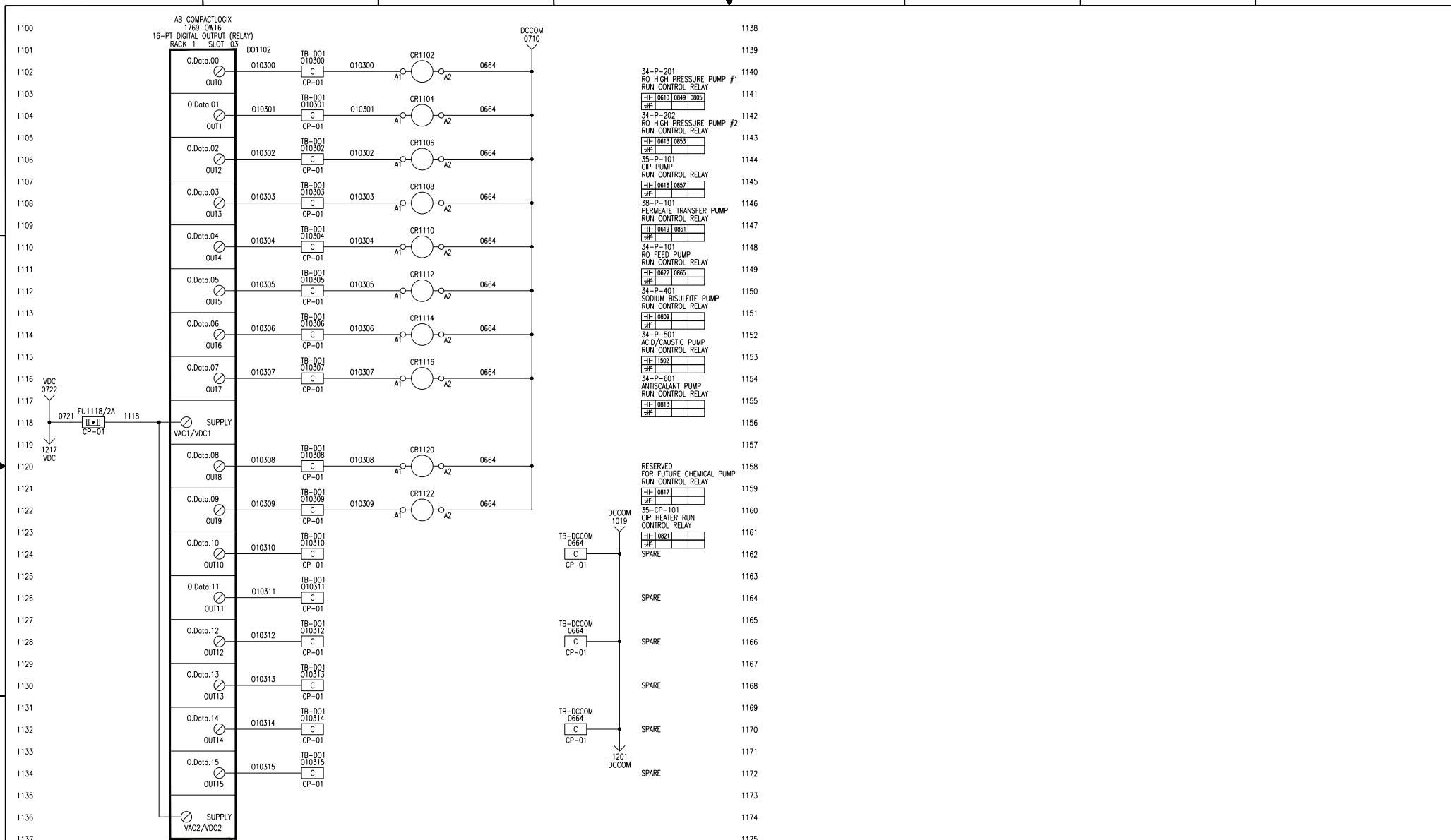
1. PRETREATMENT INTERLOCKS SUPPLIED INSTALLED AND WIRED BY OTHERS.

2. CIP HEATER SUPPLIED BY GE W&P AS OPTIONAL EQUIPMENT.
INSTALLED, AND WIRED BY OTHERS.

REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHKD	TOLERANCES UNLESS NOTED DECIMALS X ± XX ± XXX ±	ANGLES ° FRAC	DRAWN BY NP1	DATE 120c108	CHECKED BY SWE	DATE 3Apr09	GE Water & Process Technologies www.gewater.com	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV		
							X .								ELEC-ASSY, PRO, PRE, A-B, 120/240 VAC, 60/50 Hz	D	1305070	B		
B	ENGINEERING CHANGES	14020	RMB	BJB	26Oct09	SWE										PROJECT	1305070			
A	INITIAL RELEASE	13743	NPI				DO NOT SCALE	THIRD ANGLE	APPROVED BY BJB	DATE 3Apr09	APPROVED BY SWE	DATE 3Apr09		FILE	PROMIS-E	MATERIAL/BOM NO.	3032804	SCALE	NONE	SHEET
																		10 OF 18	P/N 1161662-R09	

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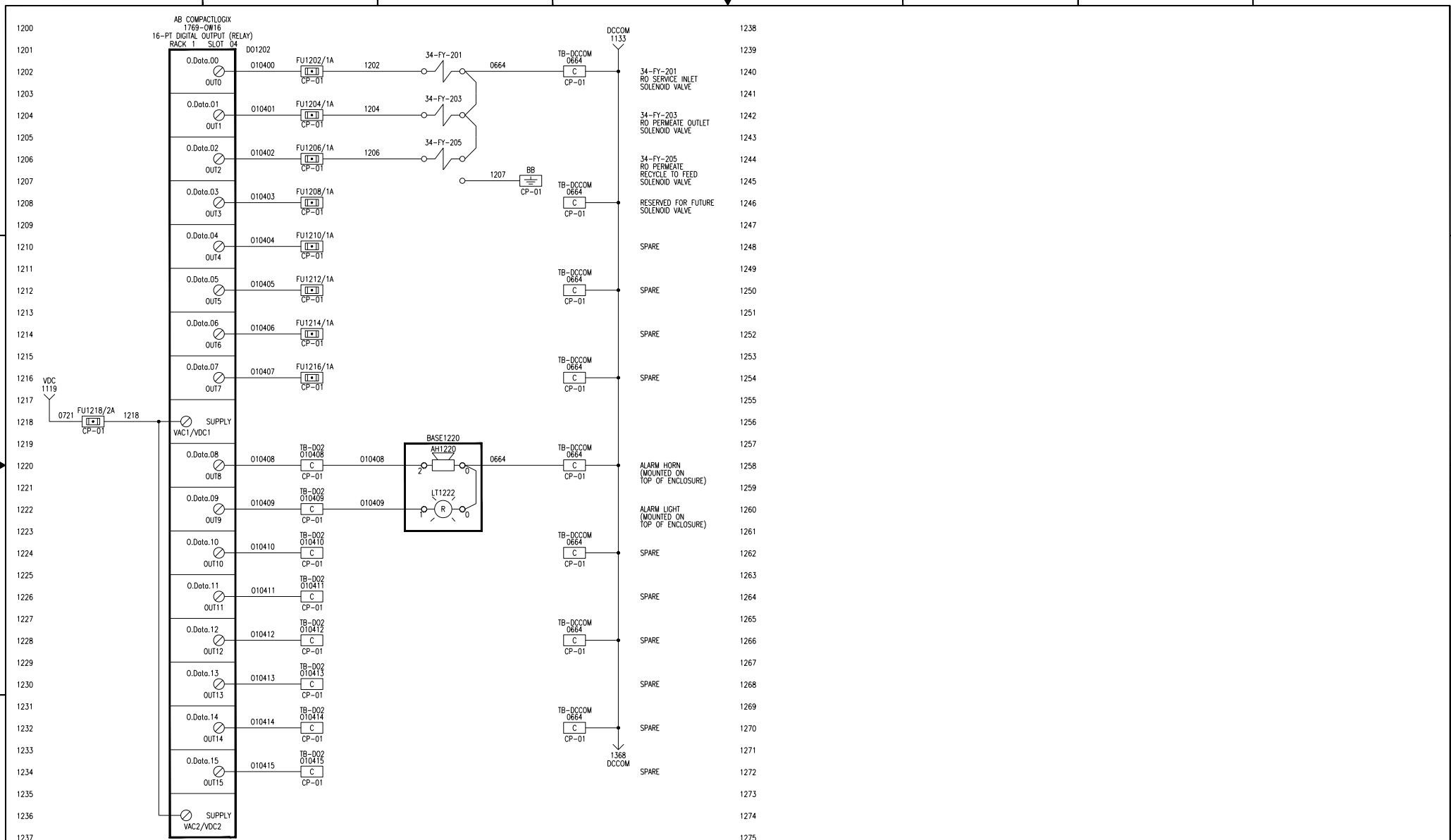


REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHGD	TOLERANCES UNLESS NOTED	DRAWN BY	CHECKED BY	APPROVED BY	DATE	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV
							X ° DEGREES	NPI	SWE	BBJ	3Apr09					
							XX ± ° DEGREES									
							XXX ± ° DEGREES									
B	ENGINEERING CHANGES	14020	RMB	BJB	260c109	SWE										
A	INITIAL RELEASE	13743	NPI				DO NOT SCALE	THIRD ANGLE								

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P/N 1161662-RP01

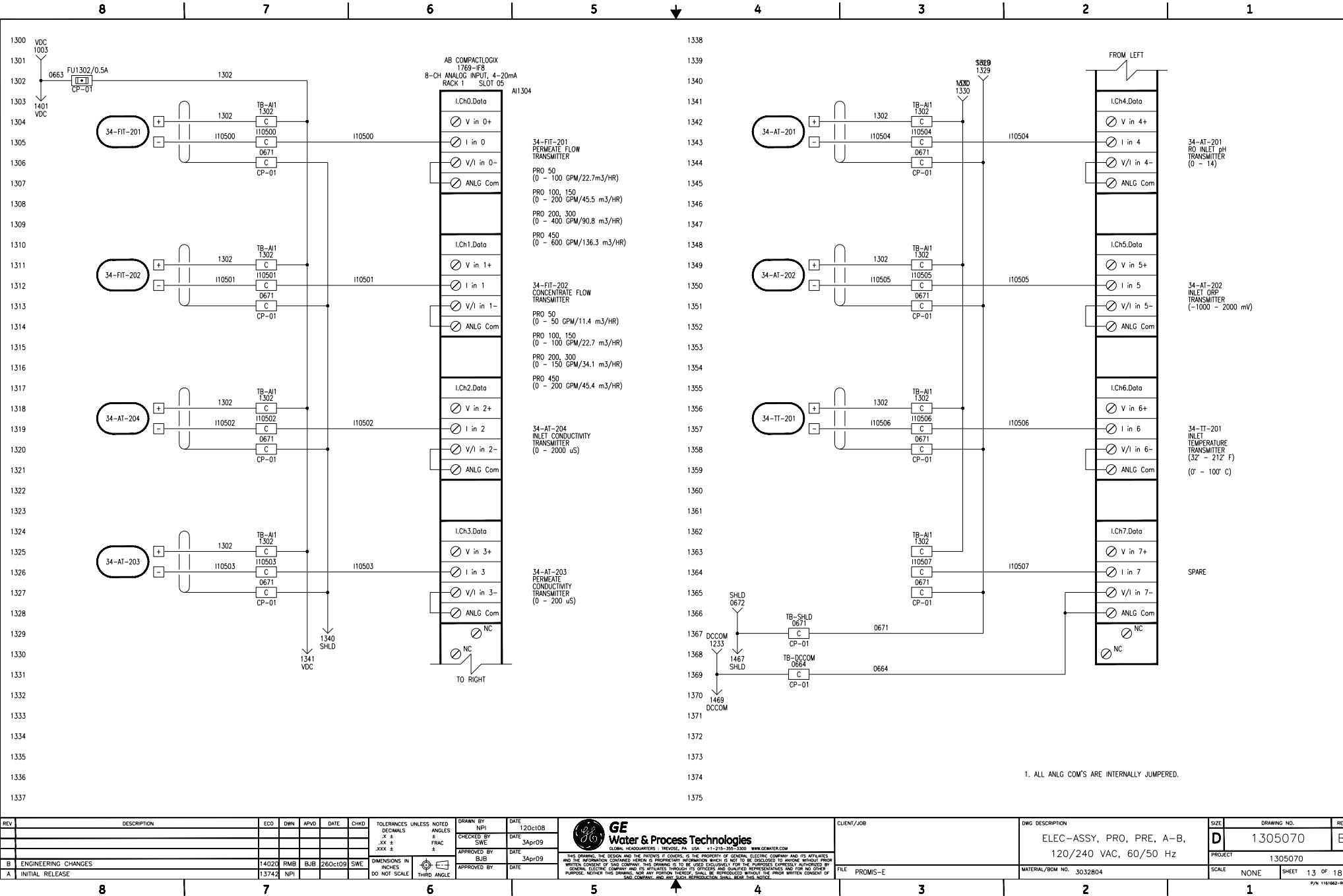
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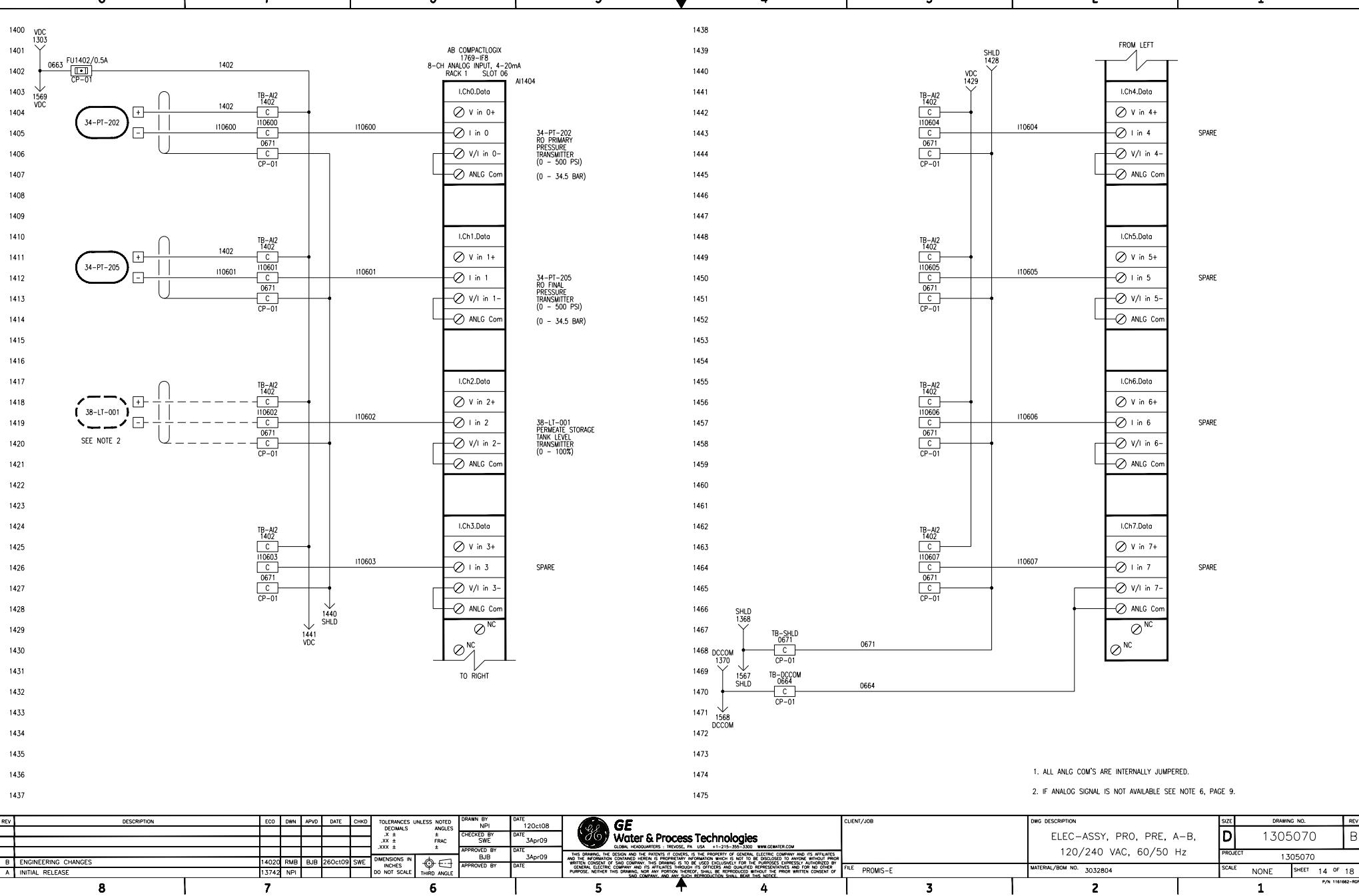


REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHKD	TOLERANCES UNLESS NOTED	DRAWN BY	CHECKED BY	APPROVED BY	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV		
							DECIMALS XX ± XXX ±	NPI # #	DATE 120ct08 3Apr09	DATE 3Apr09	DATE 3Apr09	ELEC-ASSY, PRO, PRE, A-B, 120/240 VAC, 60/50 Hz	D	1305070	B		
B	ENGINEERING CHANGES	14020	RMB	BJB	26Oct09	SWE	DIMENSIONS IN INCHES DO NOT SCALE	GE Water & Process Technologies www.gewater.com				PROJECT	1305070				
A	INITIAL RELEASE	13743	NPI				SPHERICAL THIRD ANGLE				FILE	PROMIS-E	MATERIAL/BOM NO.	3032804	SCALE	NONE	12 OF 18

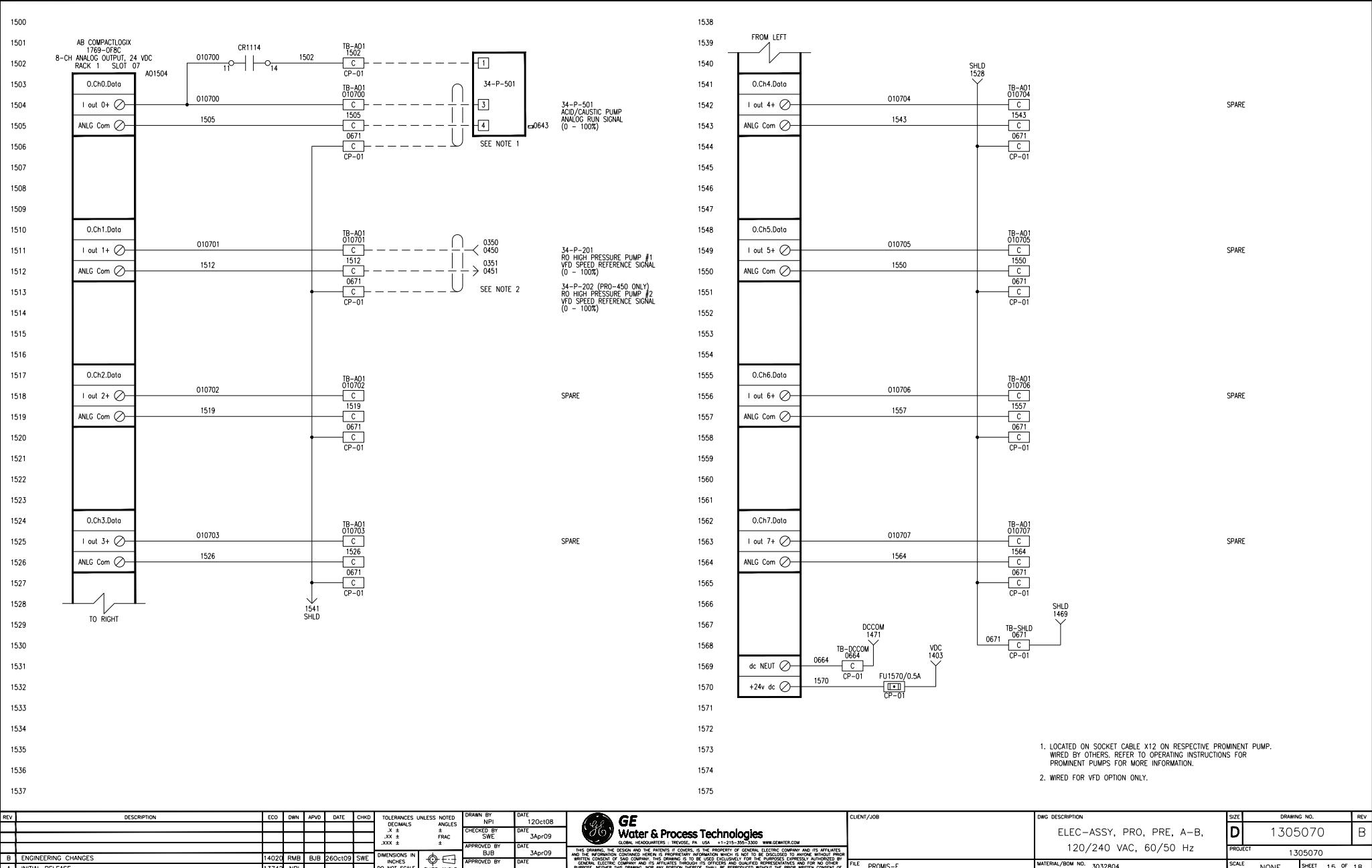
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P/N 1161662-RG01



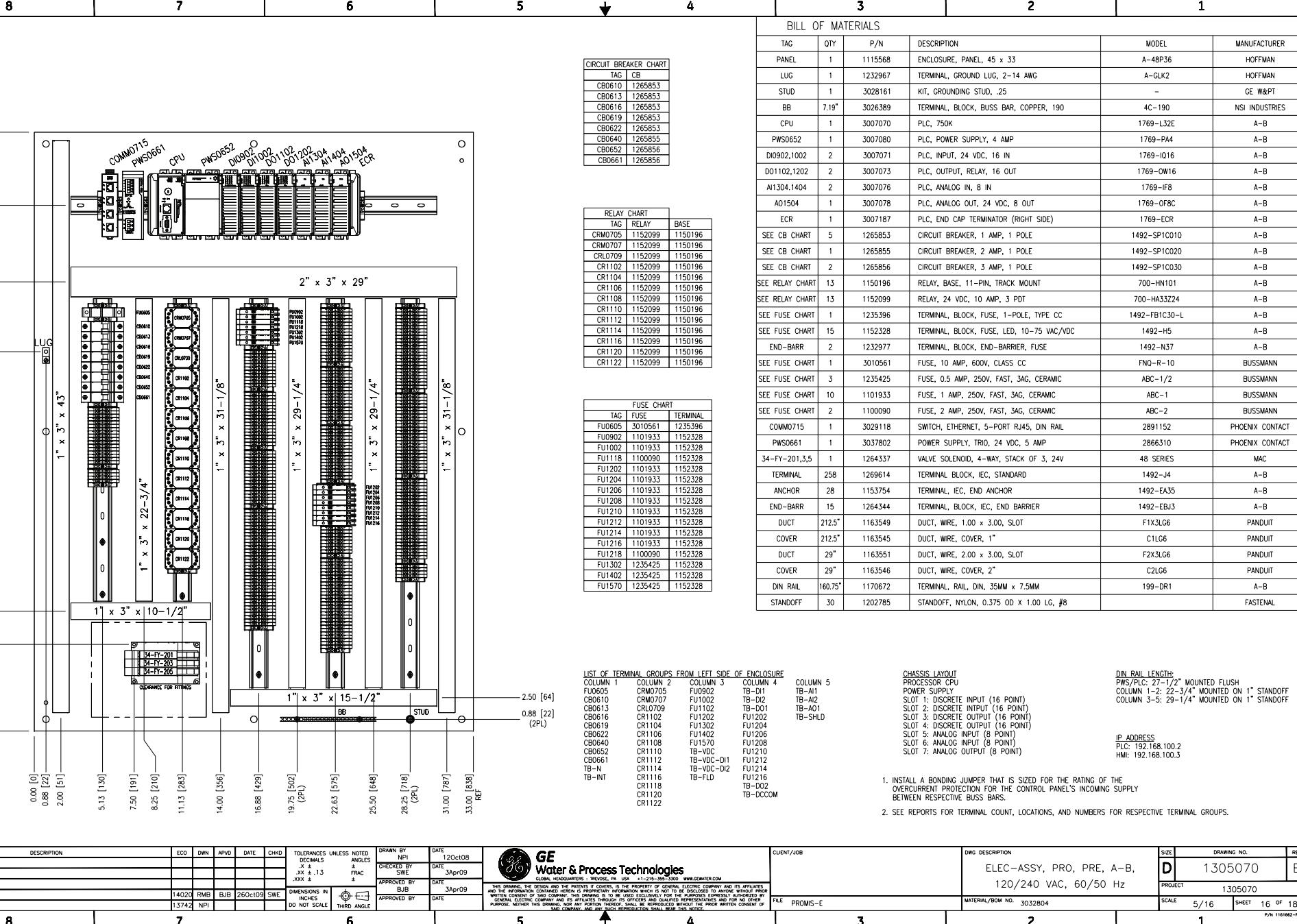


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REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHD	TOLERANCES UNLESS NOTED	DRAWN BY	CHECKED BY	APPROVED BY	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV		
							DECIMALS X XX ± XXX ±	NPI	DATE	120c108		ELEC-ASSY, PRO, PRE, A-B, 120/240 VAC, 60/50 Hz	D	1305070	B		
							ANGLES ° FRAC	SWE	DATE	3Apr09							
							DO NOT SCALE					PROJECT		1305070			
B	ENGINEERING CHANGES	14020	RMB	BUB	260c109	SWE	DIMENSIONS IN INCHES THIRD ANGLE	GE Water & Process Technologies	THE DRAWING, THE DESIGN AND THE PATENTS IT COVERS, IS THE PROPERTY OF GENERAL ELECTRIC COMPANY AND ITS AFFILIATES. AND THE INFORMATION CONTAINED HEREIN IS PROPRIETARY INFORMATION WHICH IS NOT TO BE DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN CONSENT OF GENERAL ELECTRIC COMPANY. THIS DRAWING IS THE PROPERTY OF GENERAL ELECTRIC COMPANY AND ITS AFFILIATES. GENERAL ELECTRIC COMPANY AND ITS AFFILIATES THROUGH ITS OFFICERS AND QUALIFIED REPRESENTATIVES AND FOR NO OTHER PURPOSE THAN INTERNAL COMPANY USE, MAY REPRODUCE OR DISCLOSE THIS DRAWING TO OTHERS. ANY SUCH REPRODUCTION SHALL BEAR THIS NOTICE.	FILE	PROMIS-E	MATERIAL/BOM NO.	3032804	SCALE	NONE	15 OF 18	P/N 1161662-RG01
A	INITIAL RELEASE	13743	NPI														

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<p>PBL0705 – E-STOP PB0709 – SYSTEM RESET LT0702 – POWER ON</p> <p>SEE NOTE 2</p> <p>GE Water & Process Technologies</p>	<p>SEE NOTE 1</p>	<p style="text-align: center;">BILL OF MATERIALS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>TAG</th><th>QTY</th><th>P/N</th><th>DESCRIPTION</th><th>MODEL</th><th>MANUFACTURER</th></tr> </thead> <tbody> <tr> <td>MACH-ENCL</td><td>1</td><td>3033974</td><td>ENCL-MACH, PRO, PRE, A-B</td><td>-</td><td>GE W & PT</td></tr> <tr> <td>PBL0705</td><td>1</td><td>3006380</td><td>SWITCH, PUSH-PULL, MUSHROOM, IEC, 24 VDC, RED</td><td>800FP-LMP44PN3RX11</td><td>A-B</td></tr> <tr> <td>PBL0705</td><td>1</td><td>3003617</td><td>SWITCH, LEGEND, E-STOPO, IEC</td><td>800F-15YE112</td><td>A-B</td></tr> <tr> <td>PB0709</td><td>1</td><td>3007466</td><td>SWITCH, MANUAL, P-B, IEC, BLK, 1 NC</td><td>800FP-F2PX01</td><td>A-B</td></tr> <tr> <td>LT0702</td><td>1</td><td>3006385</td><td>LIGHT, PILOT, LED, 24 VDC, CLEAR</td><td>800FP-P7PN3W</td><td>A-B</td></tr> <tr> <td>AH1220</td><td>1</td><td>1234145</td><td>ALARM, HORN, 24 VDC, N4X</td><td>855E-B24SA3</td><td>A-B</td></tr> <tr> <td>LT1222</td><td>1</td><td>1234140</td><td>ALARM, LIGHT, RED, LED, 24 VDC, N4X</td><td>855E-24GL4</td><td>A-B</td></tr> <tr> <td>BASE1220</td><td>1</td><td>1234141</td><td>ALARM, BASE, 0.50 NPT</td><td>855E-BCB</td><td>A-B</td></tr> <tr> <td>HMI0712</td><td>1</td><td>1236202</td><td>PLC, PANELVIEW +700</td><td>2711P-B7C4D1</td><td>A-B</td></tr> <tr> <td>L1</td><td>1</td><td>-</td><td>LABEL, MFG PRODUCT INFO</td><td>-</td><td>GE W & PT</td></tr> <tr> <td>L2</td><td>1</td><td>1236189</td><td>LABEL, HAZARDOUS VOLTAGE, MULTIPLE SOURCES</td><td>5025-61DHPK</td><td>HAZARD COMM SYS</td></tr> <tr> <td>L3</td><td>1</td><td>3013318</td><td>LABEL, GE MONOGRAM, 8.0", WHITE</td><td>-</td><td>GE W & PT</td></tr> <tr> <td>L4</td><td>1</td><td>3013315</td><td>LABEL, GE WATER, 18.0 x 2.5, 1.0, WHITE</td><td>-</td><td>GE W & PT</td></tr> <tr> <td>CABLE</td><td>1</td><td>1244592</td><td>CABLE, COMM, ETHERNET, 3 FT, RJ45</td><td>-</td><td>UNITED</td></tr> <tr> <td>CABLE</td><td>1</td><td>1244593</td><td>CABLE, COMM, ETHERNET, 7 FT, RJ45</td><td>-</td><td>UNITED</td></tr> </tbody> </table>	TAG	QTY	P/N	DESCRIPTION	MODEL	MANUFACTURER	MACH-ENCL	1	3033974	ENCL-MACH, PRO, PRE, A-B	-	GE W & PT	PBL0705	1	3006380	SWITCH, PUSH-PULL, MUSHROOM, IEC, 24 VDC, RED	800FP-LMP44PN3RX11	A-B	PBL0705	1	3003617	SWITCH, LEGEND, E-STOPO, IEC	800F-15YE112	A-B	PB0709	1	3007466	SWITCH, MANUAL, P-B, IEC, BLK, 1 NC	800FP-F2PX01	A-B	LT0702	1	3006385	LIGHT, PILOT, LED, 24 VDC, CLEAR	800FP-P7PN3W	A-B	AH1220	1	1234145	ALARM, HORN, 24 VDC, N4X	855E-B24SA3	A-B	LT1222	1	1234140	ALARM, LIGHT, RED, LED, 24 VDC, N4X	855E-24GL4	A-B	BASE1220	1	1234141	ALARM, BASE, 0.50 NPT	855E-BCB	A-B	HMI0712	1	1236202	PLC, PANELVIEW +700	2711P-B7C4D1	A-B	L1	1	-	LABEL, MFG PRODUCT INFO	-	GE W & PT	L2	1	1236189	LABEL, HAZARDOUS VOLTAGE, MULTIPLE SOURCES	5025-61DHPK	HAZARD COMM SYS	L3	1	3013318	LABEL, GE MONOGRAM, 8.0", WHITE	-	GE W & PT	L4	1	3013315	LABEL, GE WATER, 18.0 x 2.5, 1.0, WHITE	-	GE W & PT	CABLE	1	1244592	CABLE, COMM, ETHERNET, 3 FT, RJ45	-	UNITED	CABLE	1	1244593	CABLE, COMM, ETHERNET, 7 FT, RJ45	-	UNITED	<p>1. MANUFACTURER'S PRODUCT DATA CONTAINED ON LABEL L1. YYYY = MANUFACTURING FACILITY.</p> <p>2. GROUND DOOR TO NEAREST BUSS BAR IN ENCLOSURE.</p> <p>Water & Process Technologies PROJECT - PRO SERIES PREMIUM PART NUMBER - 3032804 ELECTRICAL SCHEMATIC - 1305070 SUPPLY POWER: 120/240 VAC, 1 PHASE, 60/50 Hz, 7.0/3.5 FLA SHORT-CIRCUIT CURRENT RATING: N/A CABINET ASSEMBLY IS UL TYPE 4</p>
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