

INTERNAL WIRING SCHEMATIC

Relay output

5 Pre fuel

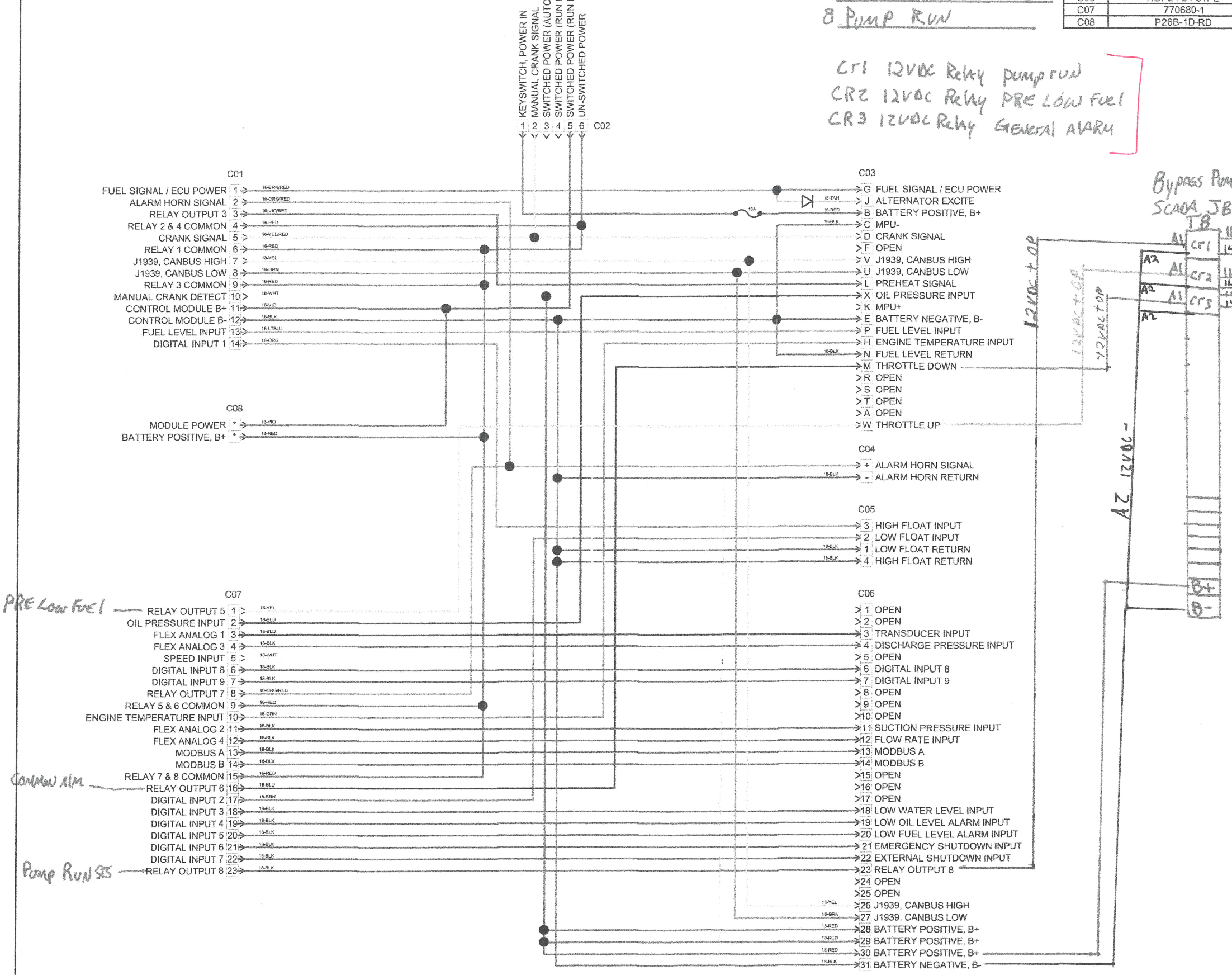
6 General Alarm

8 Pump Run

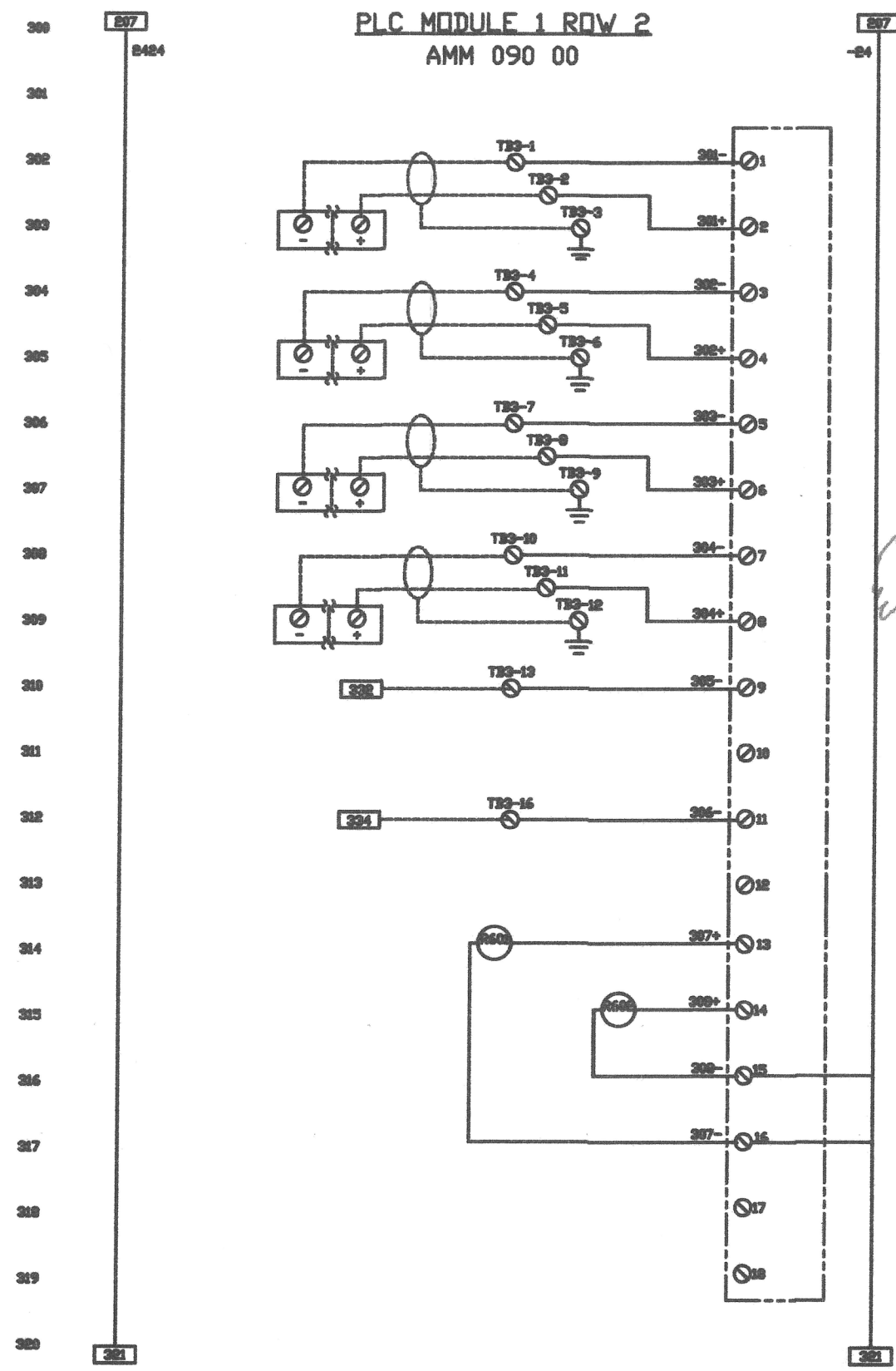
CR1 12VDC Relay pump run
CR2 12VDC Relay PRE LOW FUEL
CR3 12VDC Relay GENERAL ALARM

CONNECTORS

C01	776273-1
C02	DT06-6S
C03	HDP24-24-21PE
C04	11D3240
C05	11-404
C06	HDP24-24-31PE
C07	770680-1
C08	P26B-1D-RD



DESCRIPTION 29284-085 8 X 10 WI CLEAR LID		DRAWN BY BEN	DATE 06/13/2018	SHEET 1 OF 1	REV -
CONTROL INCORPORATED 5204 Portside Drive Medina, Oh 44256 ph. 330.239.4345 fax. 330.239.2845		APPLICATION UNIVERSAL		DRAWING NUMBER 29284-085_IWS	
UNLESS OTHERWISE SPEC. DIMENSIONS ARE IN INCHES. TOLERANCES: XX DECIMALS = ±0.000 XXX DECIMALS = ±0.030 ANGLES = ±2° FRACTIONS = ±1/16		THIS DRAWING DATA FILE (AND THE INFORMATION SHOWN THEREIN) IS CONFIDENTIAL AND PROPRIETARY AND SHALL NOT BE REPRODUCED BY ANY MEANS FOR ANY PURPOSE IN HARD COPY FORM OR IN MACHINE READABLE FILES, WITHOUT WRITTEN CONSENT OF CONTROLS INC.		DO NOT SCALE DRAWING	
REVISIONS		DATE		BY	
DESCRIPTION		DATE		BY	
SCADA TB5 10H		COMMON 24VDC + FROM SCADA		SCADA TB5 11H	
COMMON 24VDC + FROM SCADA		COMMON 24VDC + FROM SCADA		SCADA TB5 12 H	



307 -24

FLOW METER

LEVEL TRANSDUCER

PLANT FLOW METER

BYPASS LEVEL TRANSDUCER

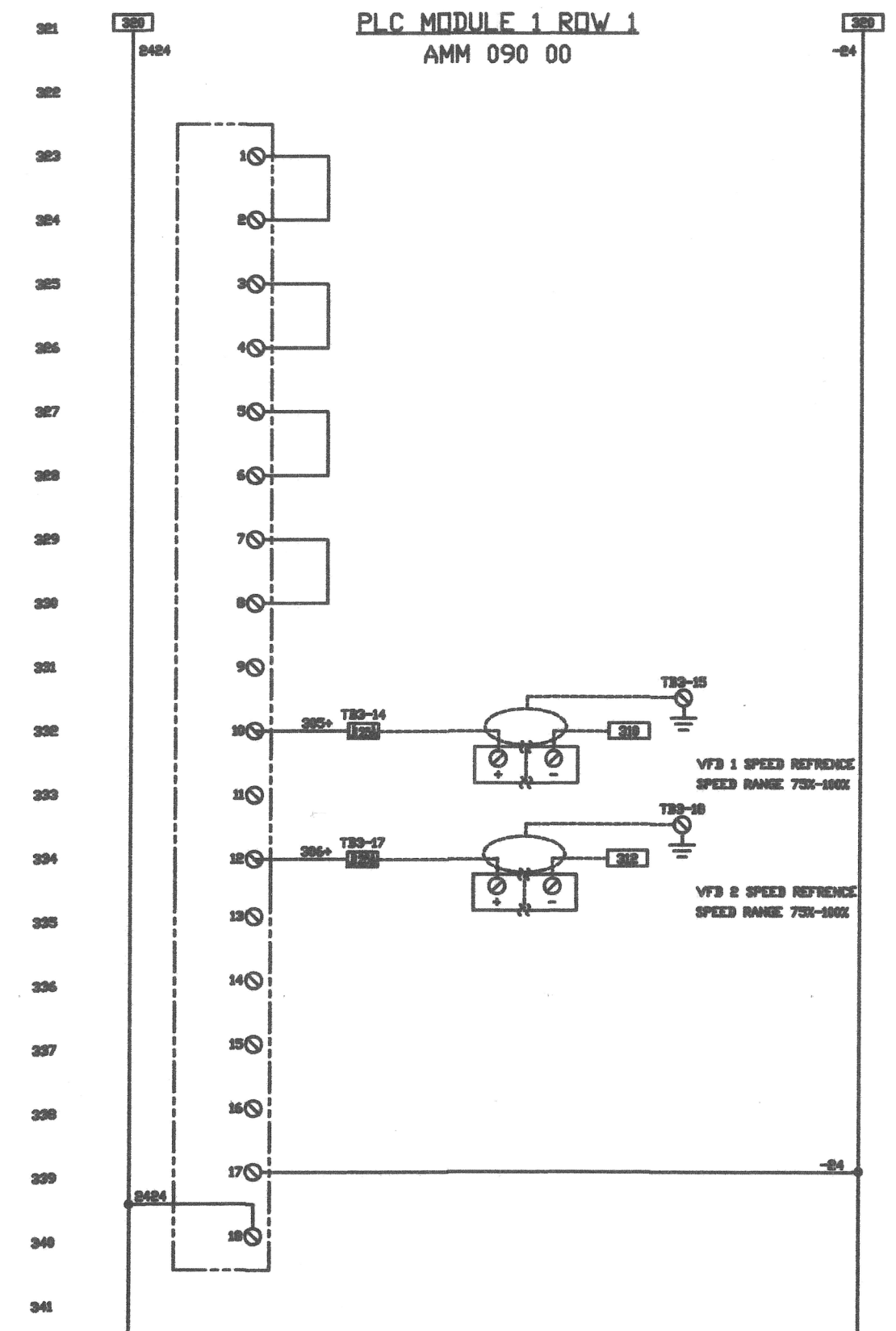
VFD 1 SPEED REF

VFD 2 SPEED REF

VFD 1 RUN COMMAND

VFD 2 RUN COMMAND

321



LEGEND

FIELD WIRING

PANEL WIRING

REV	DESCRIPTION	DATE	BY	APPROVAL	DATE
A	SUBMITTALS	2/5/18	SDS	APPROVED	2/5/18
				APPROVED	2/5/18
				APPROVED	2/5/18

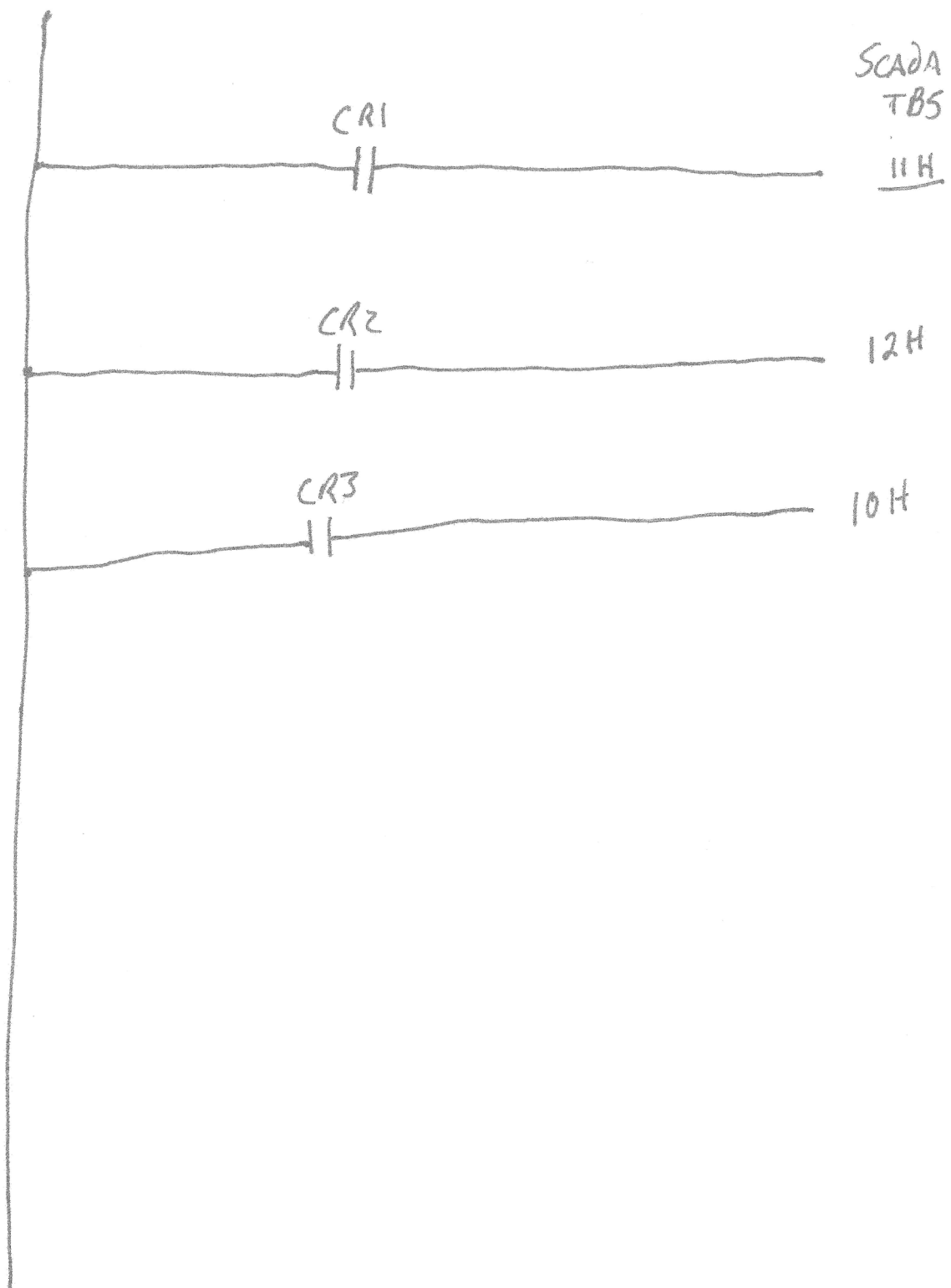
Kimark Systems
2400 GREENWOOD DR. SOUTHLAKE, TEXAS 76088 (817)410-0001

CITY OF ROCKWALL
SQUABBLE CREEK LIFT STATION
SCADA PANEL LAYOUT & BOM

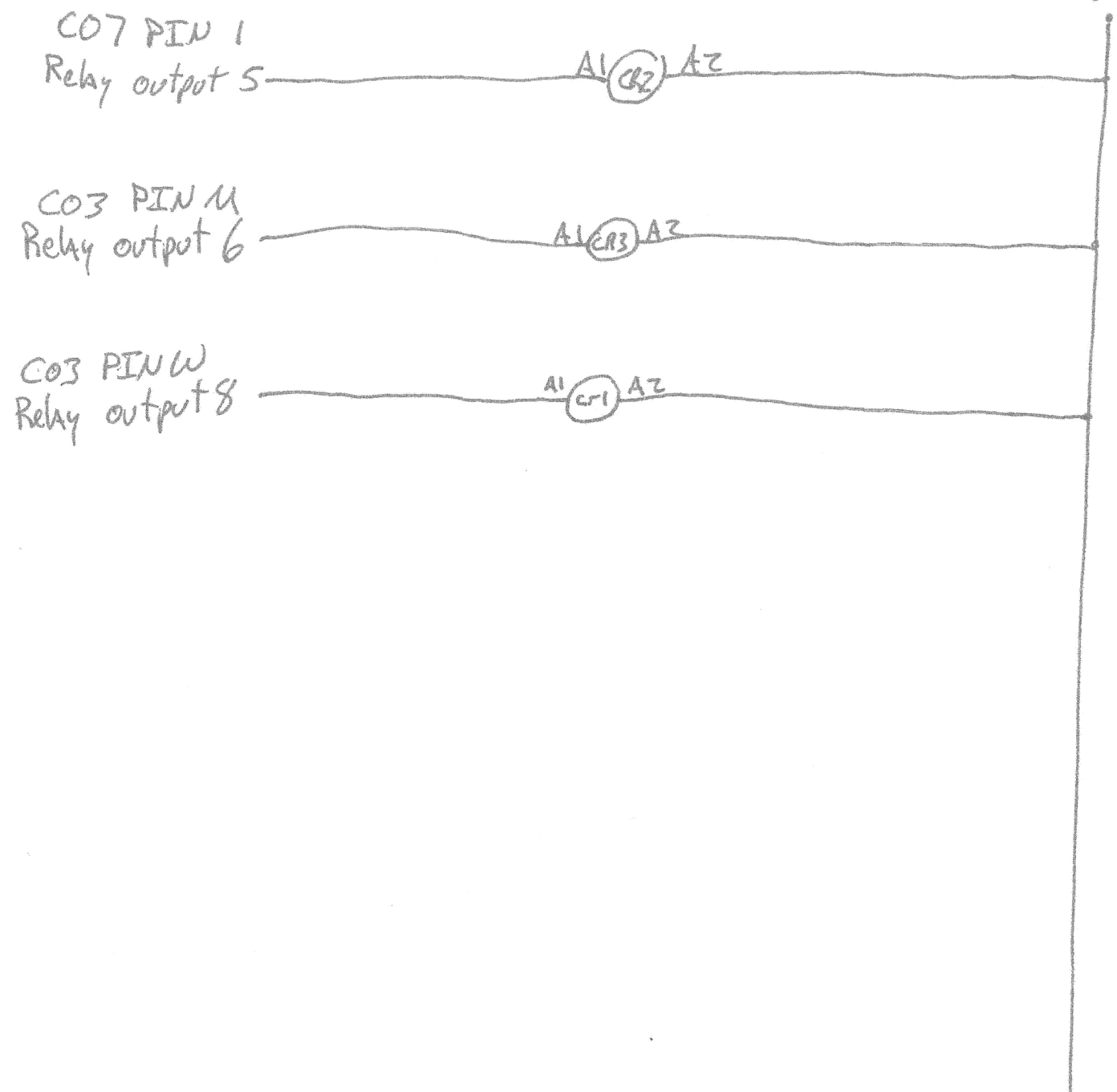
RPL-28-E103

A 4

RTU 24VDC
COMMON



CO7 PIN 31



Changed wiring diagram

Wire 509 (Bypass pump, Pump running) changed to Spare.

Wire 510 (Bypass pump, Pump failure) changed to (Bypass Pump, General alarm).

Wire 511 (Bypass pump, Generator Running) changed to (Bypass Pump, Pump Running).

Wire 512 (Bypass pump, Generator Low Fuel) changed to (Bypass Pump, Pump Low Fuel).

Wire 513 (Bypass pump, Generator alarm) changed to Spare.

Wire 303 (Bypass level transducer) changed to Plant Flow Meter due to a past project.

Wire 304 (Monitor volts) changed to Bypass Level Transducer.

Programed changes for bypass pump

IO_Map:

Added Pump4LowFuel (NO) %i21 that activates Pump4LowFuelAlarm.

Added PumpRunning4 (NO) %i22 that activates Pump4RunningSignal.

Added PumpFault4 (NO) %i23 that activates Pump4FaultSignal.

ScadaSlaveMap:

Added Pump4LowFuelAlarm to bit 4 in the bit_to_word on Scada 40002.

Added Pump4RunningSigna to bit 5 in the bit_to_word on Scada 40002I.

Added Pump4FaultSignal to bit 6 in the bit_to_word on Scada 40002.

The next changes were made to give us more registers for the level to send to scada. We had to get rid of the pump runtime minutes.

Changed %mw10 to %mw1000.

Changed %mw16 to %mw1600.

Changed %mw22 to %mw2200.

Level_Sacaling:

Added scaling from %iw4 to BypassWellLevel for int %mw22