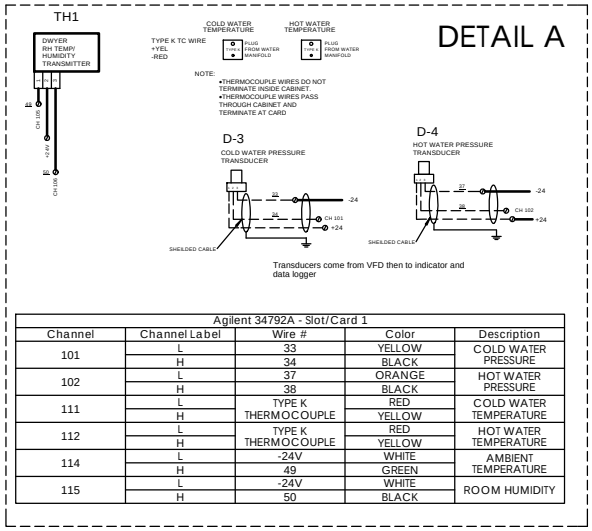
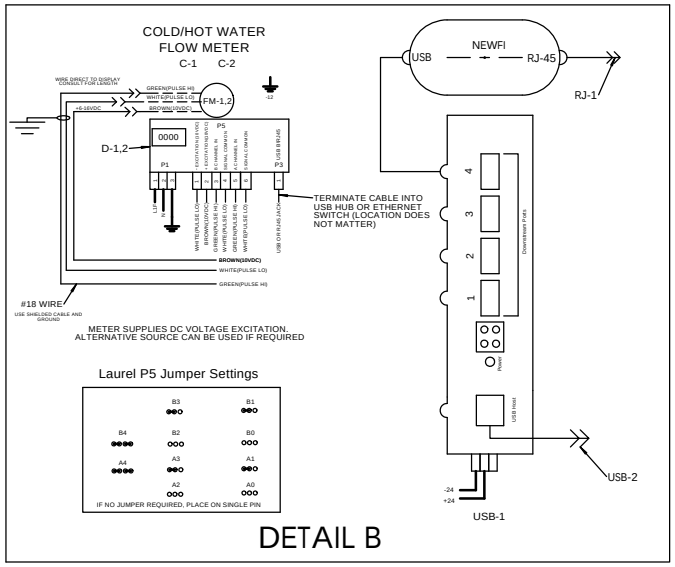
SIZE	DWG NO	SH	REV
D			

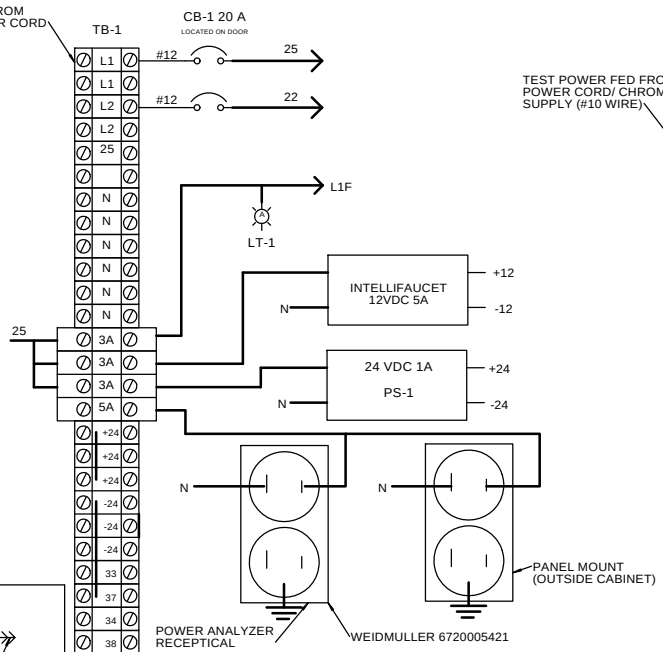
REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	ADDED USB COMMUNICATION, GEA2, CHROMA POWER, W7333, ETHERNET HUB,SCHUKO CONNECTOR REARRANGED CHANNELS 34972A, ADDED INTERNAL POWER DUPLEX, ADDED VOLTAGE SENSE RECEPTICAL	06/16/14	CJS
2	REMOVED NEMA VOLTAGE SENSE PLUG	06/20/14	CJS
3	UPDATED FLOW METER WIRING FOR OMEGA	03/03/16	CJS

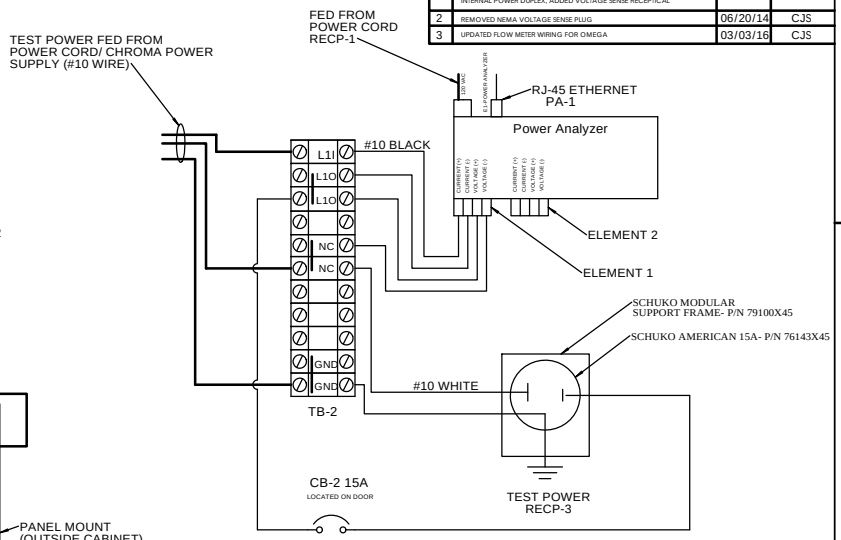


Agilent 34792A - Slot/Card 1				
Channel	Channel Label	Wire #	Color	Description
101	L	33	YELLOW	COLD WATER PRESSURE
	H	34	BLACK	
102	L	37	ORANGE	HOT WATER PRESSURE
	H	38	BLACK	
111	L	TYPE K THERMOCOUPLE	RED	COLD WATER TEMPERATURE
	H		YELLOW	
112	L	TYPE K THERMOCOUPLE	RED	HOT WATER TEMPERATURE
	H		YELLOW	
114	L	-24V	WHITE	AMBIENT TEMPERATURE
	H	49	GREEN	
115	L	-24V	WHITE	ROOM HUMIDITY
	H	50	BLACK	

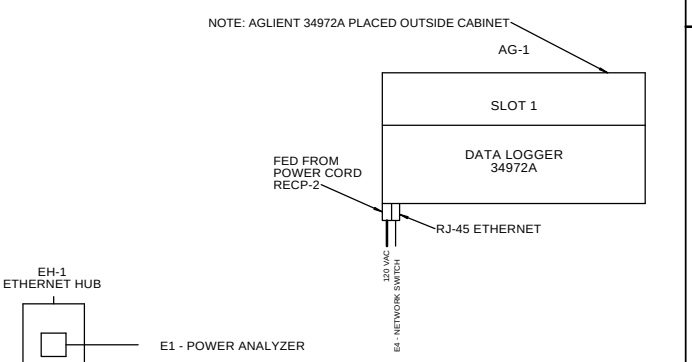


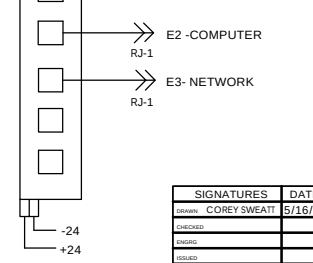


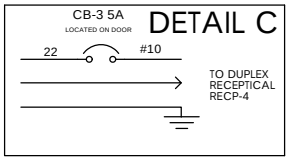
REFERENCE	PART NUMBER	DESCRIPTION	QTY
FM-1,2	FTB4605	OMEGA FLOW METER	2
D-1,2	L80007FR	LAUREL ELECTRONICS COUNTER/RATE INDICATOR (RJ45)	2
D-3,4	DP132	OMEGA PROCESS METER	2
RECP-2,4	5352	HUBBELL DUPLEX RECEPTICAL 20A 120V	2
'	SSB	HUBBELL DUPLEX SS RECEPTICAL COVER PLATE	1
PS-1	PS-S2024	ALTECH 24 VDC POWER SUPPLY 1.0 A	1
PS-2	PS-S6012	ALTECH 12 VDC POWER SUPPLY 5 A	1
LT-1	1050QC3	CML AMBER NEON LIGHT	1
CB-1	W68-X2Q12-20	P&B DBL POLE 20A CIRCUIT BREAKER	1
TH-1	RHT-W1	DWYER RH TEMPERATURE/ HUMIDITY TRANSMITTER	1
TB-1	CTS2.5U-N & 2511120/1M	ALTECH TERMINAL W/ DIN RAIL	33
'	MT5	ALTECH MARKING STRIP TM1 & END PLATE	1&1
'	2020.0	ALTECH 3 POLE JUMPER	4
'	2021.0	ALTECH 4 POLE JUMPER	2
'	CA702	ALTECH END STOP	2
TB-2	CTS2.5U-N & 2511120/1M	ALTECH TERMINAL W/ DIN RAIL	12
'	MT5	ALTECH MARKING STRIP TM1 & END PLATE	1 & 1
'	CA702	ALTECH END STOP	2
EH-1	2891152	PHEONIX CONTACT FL SWITCH SFN 5TX	1
USB-1	UHR304	B&B ELECTRONICS INDUSTRIAL 4 PORT USB HUB	1
PA-1	760401	YOKOGAWA WT210 DIGITAL POWER METER	1
AG-1	34972A	AGILENT 34972A DATA ACQUISITION/ SWITCH UNIT	1
'	34902A	AGILENT 16-CHANNEL MULTIPLEXER	1
RECP-1	6720005421	CONNECTOR AC POWER, RECEPTICAL,15A 125V	1
RJ-1	1546413-3	RJ45 CONN, PASS-THROUGH JACK	3
USB-2	BLACK BOX FMT1050	USB COUPLER, PANEL MOUNT, TYPE A TO TYPE B, BLACK	1
CB-2	W67-X2Q12-15	P&B 15A CIRCUIT BREAKER	1
CB-3	W67-X2Q12-5	P&B 5A CIRCUIT BREAKER	1
C1,2	97-3108B-10SL-4S &97-3057-4	AMPHENOL 2 PIN 90 DEGREE CONNECTOR	2
NEWFI	NEWFI	GENERAL ELECTRIC APPLIANCES GEA2	1
	V150LA5P	LITTLEFUSE MOV 150V	1
		NEMA 12 ENCLOSURE 36"X30"X12" & SUBPANEL	1
	782XBXM4L-120A	MAGNECRAFT RELAY 120VAC 2 POLE	1
	70-782EL8-1	MAGNECRAFT RELAY SOCKET 2 POLE	1



NOTE: AGLIENT 34972A PLACED OUTSIDE CABINET







SIGNATURES		DATE
DRAWN	COREY SWEATT	5/16/10
CHECKED		
ENGRG		
ISSUED		
ACAD		

GENERAL ELECTRIC
DEPT LCTN

AP1 DOE
3RD FLOOR
DAQ TEST STAND

SIZE	ESCM NO	DWG NO	DISTR TO
D		AP1 DOE DAQ.DWG	
SCALE		SHEET of	