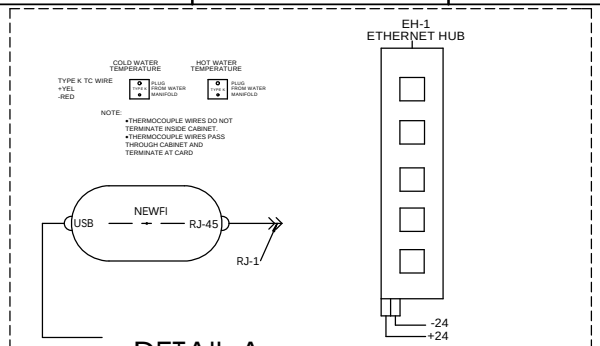
SIZE	DWG NO	SH	REV
D			

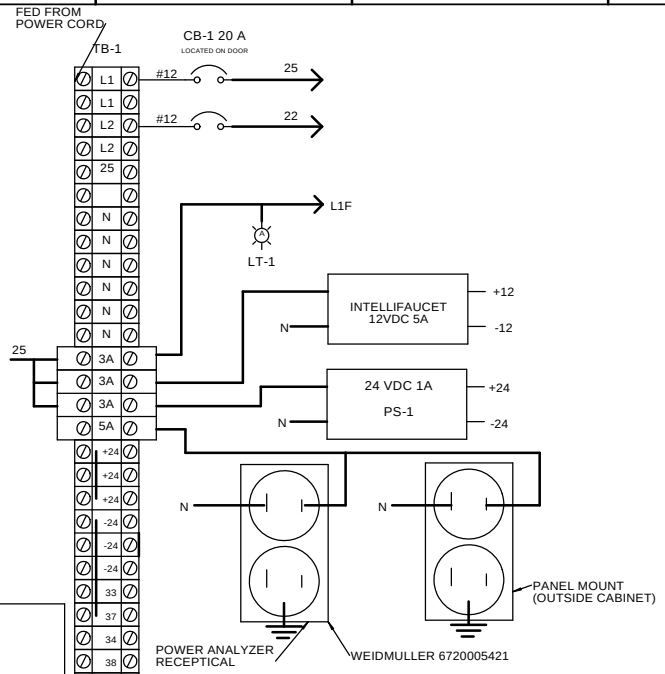
REVISIONS

REV	DESCRIPTION	DATE	APPROVED
1	NEW RELEASE	03/04/16	CJS
2			
3			

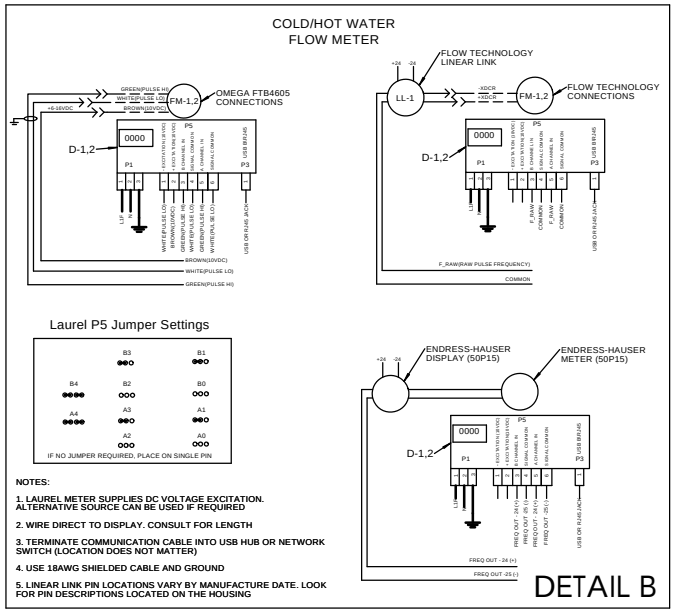


DETAIL A

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	



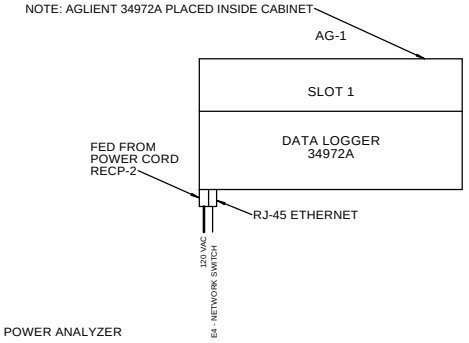
REFERENCE	PART NUMBER	DESCRIPTION	QTY
FM-1,2	FTB4605	OMEGA FLOW METER	2
D-1,2	L80007FR	LAUREL ELECTRONICS COUNTER/RATE INDICATOR (RJ45)	2
LL-1		FLOW TECHNOLOGY LINEAR LINK	1
RECP-2,4	5352	HUBBELL DUPLEX RECEPTICAL 20A 120V	2
'	SSB	HUBBELL DUPLEX SS RECEPTICAL COVER PLATE	1
PS-1	PS-S2024	ALTECH 24 VDC 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	97-31088-105L-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



NOTES:

1. LAUREL METER SUPPLIES DC VOLTAGE EXCITATION. ALTERNATIVE SOURCE CAN BE USED IF REQUIRED
2. WIRE DIRECT TO DISPLAY. CONSULT FOR LENGTH
3. TERMINATE COMMUNICATION CABLE INTO USB HUB OR NETWORK SWITCH (LOCATION DOES NOT MATTER)
4. USE 18AWG SHIELDED CABLE AND GROUND
5. LINEAR LINK PIN LOCATIONS VARY BY MANUFACTURE DATE. LOOK FOR PIN DESCRIPTIONS LOCATED ON THE HOUSING

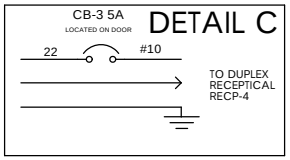
DETAIL B



E1 - POWER ANALYZER

RJ-1 E2 -COMPUTER

RJ-1 E3- NETWORK



DETAIL C

SIGNATURES	DATE
DRAWN COREY SWEATT	3/4/16
CHECKED	
ENGRG	
ISSUED	
ACAD	

GENERAL ELECTRIC
DEPT LCTN

AP2 WATER HEATER LAB

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