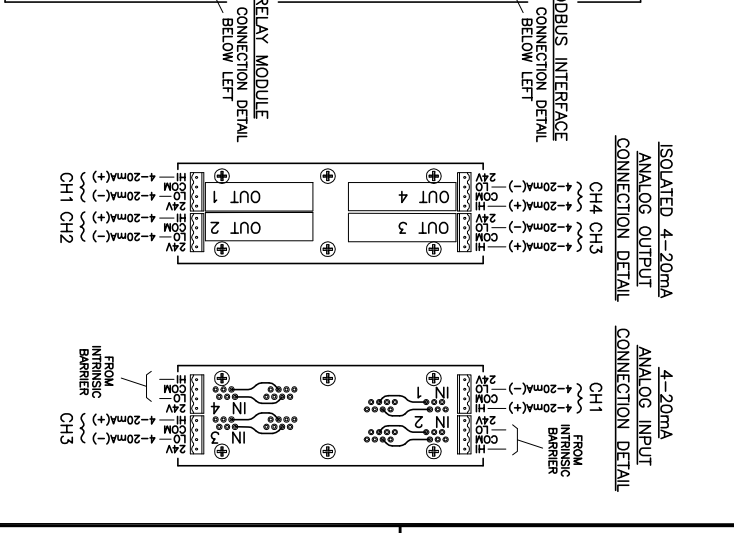
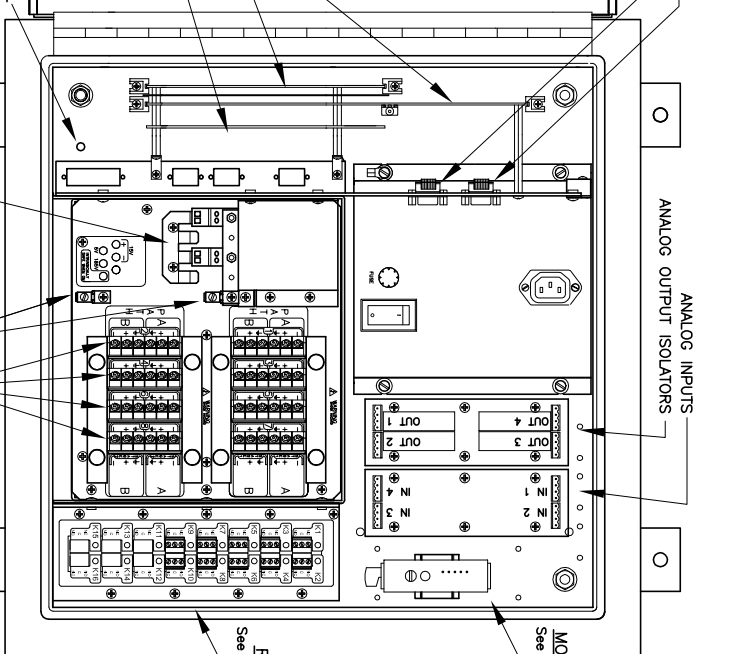
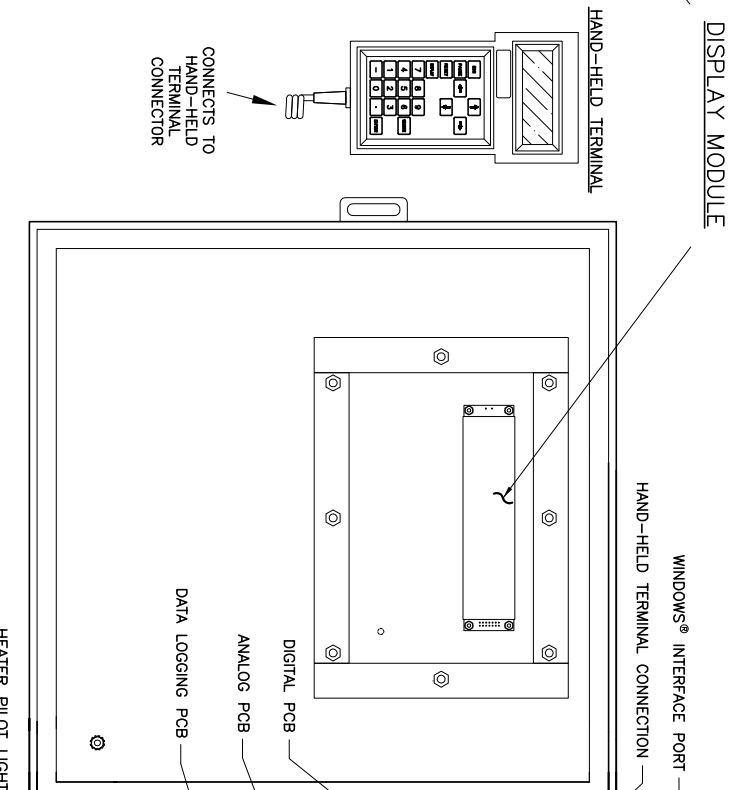
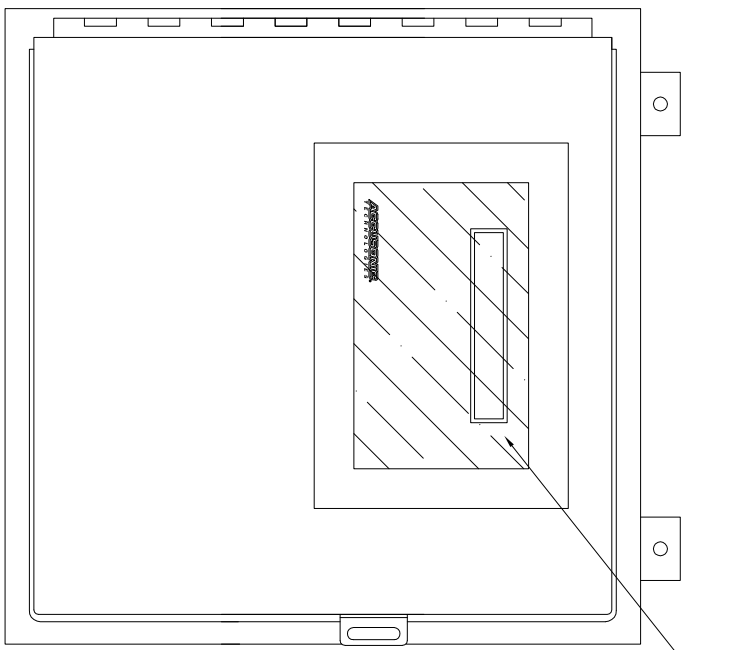
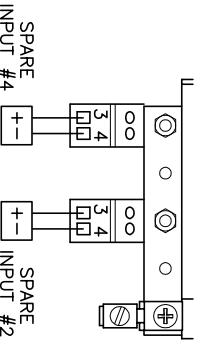


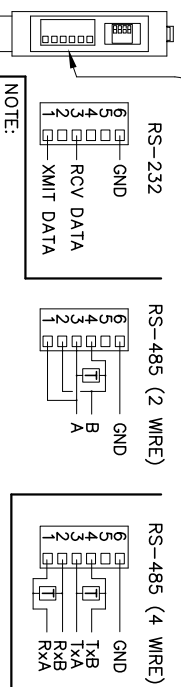
REVISIONS		DATE	APPROVED
ZONE	LTR	DESCRIPTION	



**LEVEL/PRESSURE SENSOR BARRIER CONNECTIONS**



**MODBUS INTERFACE CUSTOMER CONNECTIONS**



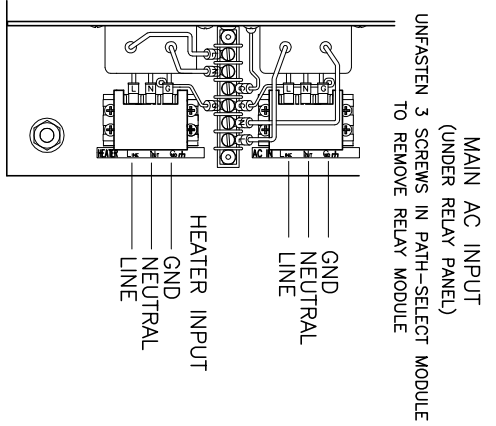
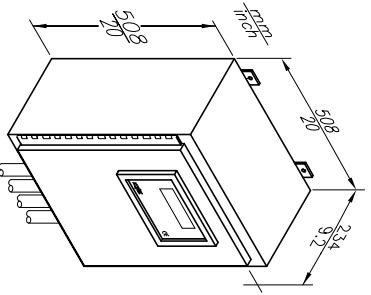
NOTE:  
FOR CABLE LENGTHS >1000' TERMINATION APPROXIMATELY EQUAL TO THE CABLE IMPEDANCE (TYPICALLY 100-200Ω) SHOULD BE USED.

SWITCH 1 MUST BE IN THE ON POSITION FOR 2 WIRE SYSTEMS

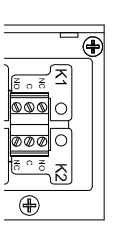
**I.S. GROUND NOTES:**

WITHOUT PROPER GROUNDING, INTRINSIC SAFETY BARRIERS AND PATH SELECTORS WILL NOT PROVIDE VOLTAGE LIMITATIONS, THIS EFFECTIVELY ELIMINATES THE INTEGRITY OF THE INTRINSICALLY SAFE SYSTEM. THEREFORE, THE FOLLOWING STEPS SHOULD BE TAKEN TO ENSURE A CONNECTION TO GROUND.

- THE GROUNDING PATH RESISTANCE FROM THE FURTHEST INTRINSIC/EARTH GROUND TO THE DESIGNATED GROUND ELECTRODE MUST BE < 1 Ohm.
- THE INTRINSIC/EARTH GROUND CONDUCTOR MUST BE AT LEAST # 12 AWG.
- SHAKEROOF GROUND TERMINALS MUST BE USED TO CONNECT THE GROUND CONDUCTOR TO THE DESIGNATED GROUND ELECTRODE.
- ALL GROUND PATH CONNECTIONS MUST BE SECURE, IDENTIFIED, PERMANENT, VISIBLE AND ACCESSIBLE FOR ROUTINE INSPECTION.
- ROUTINE INSPECTIONS MUST BE MADE TO INSURE THAT THE GROUND PATH IS SECURE, MEASURES LESS THAN 1 Ohm AND IS FREE OF MOISTURE, DIRT AND CORROSION WHICH COULD ADVERSLY INFLUENCE THE PATH OF ANY FAULT CURRENT.



**RELAY CONNECTIONS DETAIL (TYP.)**



**RELAY PANEL CONNECTIONS**

RELAY	NO	NC	USER DEFINED
K1	NO	NC	USER DEFINED
K2	NO	NC	USER DEFINED
K3	NO	NC	USER DEFINED
K4	NO	NC	USER DEFINED
K5	NO	NC	USER DEFINED
K6	NO	NC	USER DEFINED
K7	NO	NC	USER DEFINED
K8	NO	NC	USER DEFINED
K9	NO	NC	USER DEFINED
K10	NO	NC	USER DEFINED

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NO.		DATE	
TOLERANCES: INL.		DRAWN		10/25/05	
DECIMALS X .XX .XXX		CHECKED		Apolite	
ANGLES ± . . .		ENGINEER			
FRACTIONS ± . . .		APPROVED			
SURFACE ROUGHNESS		FILENAME		7510 IS.DWG	
MATERIAL		SCALE		NONE	
		WT. LBS.		NA	
		SIZE (CODE IDENT. NO.)		DWG. NO.	
		C 25993		7510 IS	
		SHEET		1 OF 1	
		REV.		00	

**Aegusentia TECHNOLOGIES**

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 FAX: (508) 273-3699

MODEL 7510 IS NEMA 4X FLOWMETER