



**NOTES:**

- 1) ——— DENOTES WIRING BY SIEMENS MILLTRONICS  
 - - - - - DENOTES WIRING BY CUSTOMER.  
 CUSTOMER TO REMOVE APPLICABLE JUMPERS.  
 ALL WIRING MUST BE DONE IN CONJUNCTION WITH APPROVED CONDUIT, BOXES AND FITTINGS AND TO PROCEDURES IN ACCORDANCE WITH ALL GOVERNING REGULATIONS. ALL SIGNAL WIRE MUST BE RUN IN SEPARATE CONDUIT FROM CONTROL WIRES.
- 2) SELECT CORRECT VOLTAGE VIA SELECTOR SW2, BY CUSTOMER.
- 3) \* WHERE SEPARATION BETWEEN THE INTEGRATOR AND LVDT CONDITIONER EXCEEDS 150m (500ft) USE 6 CONDUCTOR 20 AWG, SHIELDED BELDEN 9260 OR EQUIVALENT:
  - REMOVE THE JUMPERS ON THE BW500/ SF500 TERMINALS 11/12 AND 13/14,
  - RUN ADDITIONAL CONDUCTORS FROM:  
 BW500/ SF500 TERMINAL 12 TO THE CONDITIONER TERMINAL BLOCK MARKED ' INTEGRATOR +EXC '  
 BW500/ SF500 TERMINAL 13 TO THE CONDITIONER TERMINAL BLOCK MARKED ' INTEGRATOR - EXC '
- 4) ANALOG OUTPUT WIRING MUST ENTER THE ENCLOSURE AS NEAR AS POSSIBLE TO THE ANALOG OUTPUT TERMINALS 21 & 22. KEEP WIRING AS SHORT AS POSSIBLE. DO NOT ROUTE CABLE ALONG TERMINAL BLOCK. GROUND SHIELD ONLY AT TB1-23.
- 5) TOTALIZER #1 RATING: 100 mA @ 24 VDC, USE 2 CONDUCTOR #18 AWG, SHIELDED CABLE.  
 TOTALIZER #2 RATING: 100 mA @ 250V AC OR DC.
- 6) FOR FURTHER INFORMATION REFER TO THE MILLTRONICS SF500, AND MILLTRONICS FLOWMETER INSTRUCTION MANUALS, OR CONTACT YOUR SIEMENS MILLTRONICS REPRESENTATIVE.

2	ADD DISTANCE TO CABLE LENGTH AND CHANGE NOTE 3 PER ECN 2004-0095	RPC	PTR	APRIL 30/04	
1	ADD SIEMENS TO COMPANY NAME, ADD MILLTRONICS TO PRODUCT NAME PER ECN 2003-0292	RPC	PTR	FEB 25/04	
0	FOR RELEASE	RPC	RDC	NOV 03/00	
Rev.	Revision / ECN Description	Drawn	Appr.	Date	
		Product Group MASS DYNAMICS	Tolerance Unless Otherwise Noted: UOS 1 Place Decimal ± 0.03 2 Place Decimal ± 0.01 3 Place Decimal ± 0.002	Scale: NTS	Size: B
		Date: 03 / NOV / 2000	<b>TITLE:</b> MILLTRONICS SF500 C/W LVDT FLOWMETER CUSTOMER WIRING DRAWING		
		Drawn: R. CLYSDALE			
		Checked: P. RICCI	<b>DRAWING No:</b> 23650177		
		Approved: R. CLOSS			
		Location: PETERBOROUGH	Rev. 2		
		<b>SIEMENS MILLTRONICS PROCESS INSTRUMENTS INC.</b> Peterborough, Ontario, Canada			
		File No. 2365017702	Plot at: 1 : 1	Sheet 1 Of 1	