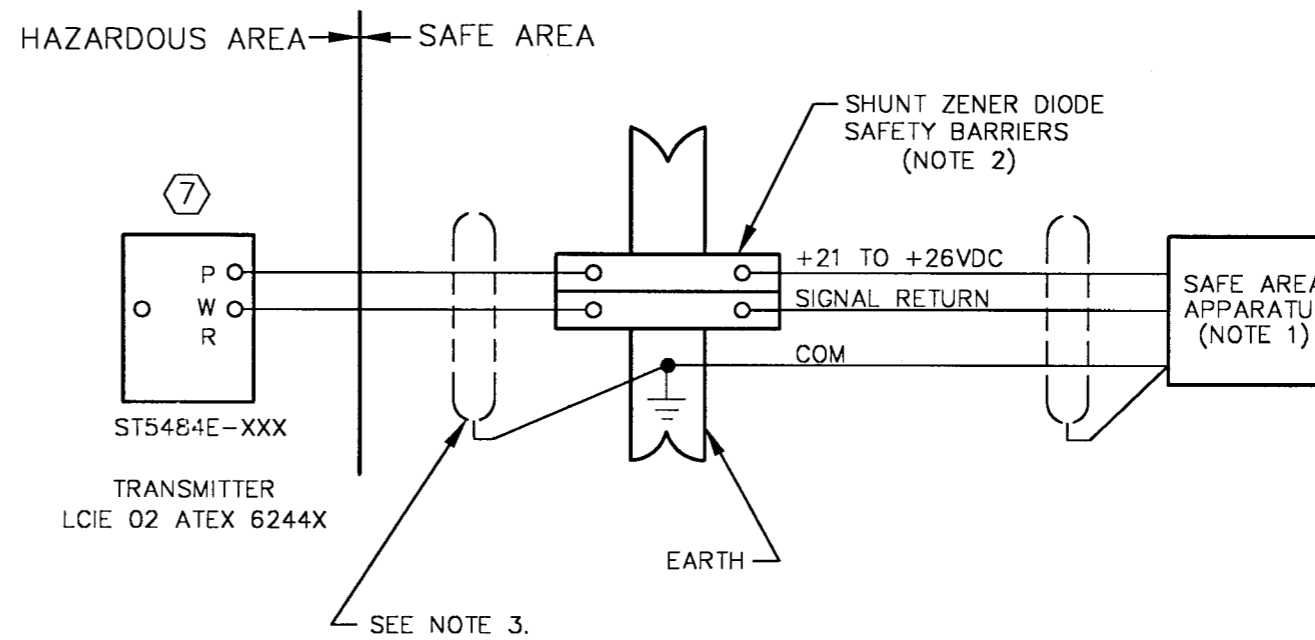


NOTES: (UNLESS OTHERWISE SPECIFIED)

- SAFE AREA APPARATUS IS NOT SPECIFIED EXCEPT THAT IT MUST NOT BE SUPPLIED FROM NOR CONTAIN IN NORMAL OR ABNORMAL CONDITIONS A SOURCE OF POTENTIAL WITH RESPECT TO EARTH IN EXCESS OF 250 VRMS OR 250 VDC.
  - THE SAFETY BARRIER MUST CONFORM TO THE FOLLOWING:  
 $V_{oc}, V_o \leq V_{max}, V_i$   
 $I_{sc}, I_i \leq I_{max}, I_i$   
 $P_o \leq P_i$
  - CIRCUIT IN HAZARDOUS AREA MUST BE CAPABLE OF WITHSTANDING A VOLTAGE TEST OF 500 VRMS TO EARTH OR TO THE FRAME OF THE APPARATUS FOR ONE MINUTE.
  - THE CAPACITANCE AND EITHER THE INDUCTANCE OR INDUCTANCE TO RESISTANCE (L/R) RATIO OF THE INTERCONNECTING CABLE MUST NOT EXCEED THE FOLLOWING:  
 $C_{cable} \leq C_a - C_i$   
 $L_{cable} \leq L_a - L_i$
  - THE HAZARDOUS AREA CABLE IS TO BE INSTALLED AS EITHER A SEPARATE CABLE OR A SEPARATE CIRCUIT WITHIN A "TYPE A" CABLE OR WITHIN A "TYPE B" CABLE AS DEFINED IN EN 50039 (1980). THE PEAK VOLTAGE OF ANY CIRCUIT IN THE "TYPE B" CABLE MUST NOT EXCEED 60V.
  - THE INSTALLATION MUST COMPLY WITH THE APPROPRIATE NATIONAL INSTALLATION REQUIREMENTS. EXAMPLE: UK. BS5345 PART 4 (1977).
- ⑦ REFER TO SPECIFICATION DRAWING 9163 FOR ADDITIONAL INSTALLATION AND WIRING DETAILS. MODEL 8200-001 CONDUIT ELBOW OR OTHER IP 20 RATED FITTING MUST BE EMPLOYED TO PROTECT THE ELECTRICAL CONNECTION. MATERIAL OF FITTING MUST CONTAIN LESS THAN 6% MAGNESIUM.

REVISIONS				
REV	CRD	BY	DATE	APPROVED
*	8961 RELEASE	AW	06-22-06	RAW
A	9117	AW	03-26-03	SJS

## INSTALLATION - VIBRATION TRANSMITTER IN HAZARDOUS LOCATION CENELEC



Entity Parameters
$V_{max}, V_i = 30V$
$I_{max}, I_i = 100mA$
$P_i = 0.75W$
$C_i = 29nF$
$L_i = 0mH$

AGENCY APPROVED PRODUCT  
DO NOT DEVIATE FROM  
DOCUMENTED CONSTRUCTION  
OR LISTED PARTS

Verifie' et Certifie'  
conforme a' l'execution

MATERIAL: FINISH:	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. ALL CORNERS BROKEN TO .010 MIN RADIUS AND TOLERANCES ARE:  FRACTIONS: DECIMALS: $\pm 1/64$ .XX $\pm .01$ $\pm .XXX$ $\pm .005$ ANGLES: $\pm 1^\circ$ SURFACE FINISH $64 \sqrt{\text{V}}$	APPROVALS DRAWN BY: A. Wilson CHECKED BY: S. Smith APPROVED BY: R.L. Morrison	DATE 07-25-01 05-15-02 05-16-02	HOUSTON TEXAS 	<b>INSTALLATION ST5484E-XXX TRANSMITTER</b>
THIS DOCUMENT AND ALL INFORMATION HEREON IS THE PROPERTY OF METRIX INSTRUMENT CO. APPROVAL MUST BE OBTAINED BEFORE IT IS REPRODUCED OR INFORMATION HEREON IS ISSUED TO A THIRD PARTY. THIS DOCUMENT MUST BE RETURNED UPON REQUEST.		NEXT ASSY USED ON: ST5484E		DRAWING NO. <b>9278</b> REV. <b>A</b>	SHEET: 1 of 1