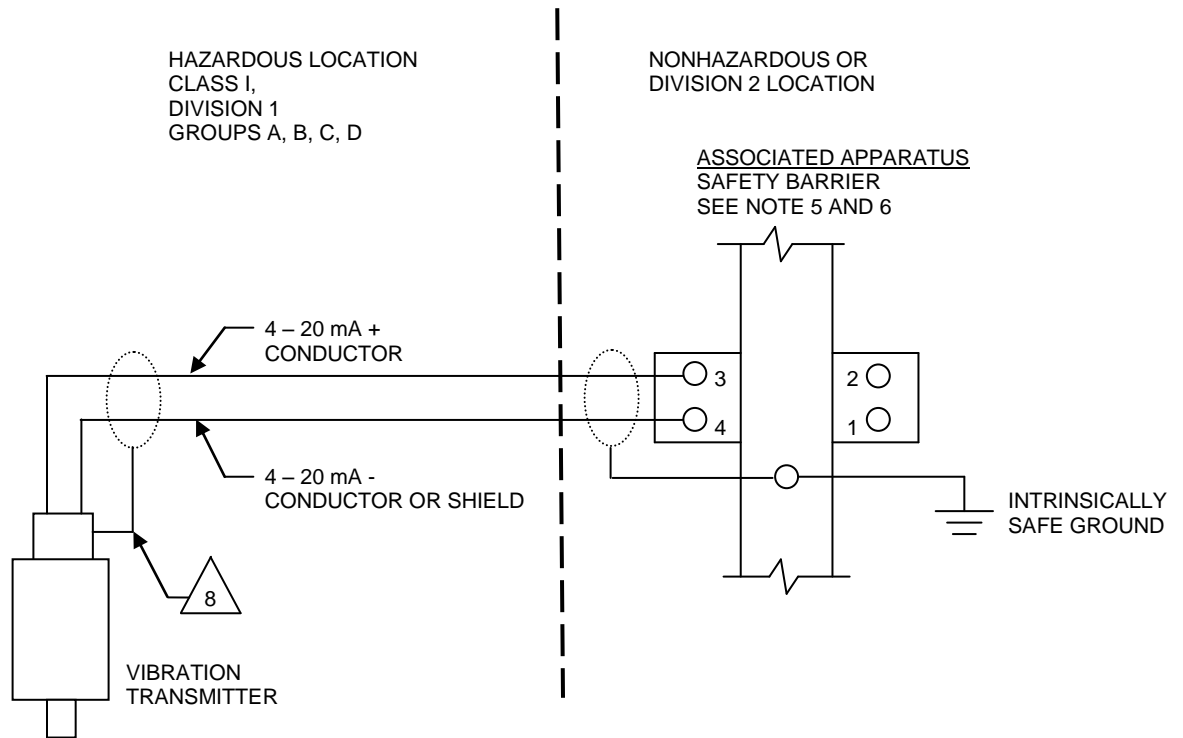


DRAWING 12641 Rev B

(For Model 571A)

CONTROL AND MONITORING EQUIPMENT
SEE NOTE 3



CONNECTION DIAGRAM, FOR INTRINSICALLY SAFE ROBERTSHAW VIBRATION TRANSMITTER IN DIVISION 1 LOCATION

APPROVED MODEL NUMBERS
571A-A
571A-B
571A-C
571A-D
571A-E
571A-F

ENTITY PARAMETERS	
GROUPS: A, B, C, D, E, F, G	
V _{max} or U _i	= 30 Vdc
I _{max} or I _i	= 106 mA

NOTES:

- NO REVISION TO DRAWING WITHOUT PRIOR CSA APPROVAL.
- $V_{oc} \leq V_{max}$, $I_{sc} \leq I_{max}$, $C_a \geq C_i$ & C_{cable} , $L_a \geq L_i$ & L_{cable} .
- CONTROL EQUIPMENT CONNECTED TO BARRIER MUST NOT USE OR GENERATE MORE THAN 250 V_{rms} OR V_{dc}.
- INSTALL IN ACCORDANCE WITH:
 CANADA - CANADIAN ELECTRICAL CODE (CEC) PART 1.
 USA - ANSI/ISA RP12.6 "INSTALLATION OF INTRINSICALLY SAFE SYSTEMS FOR HAZARDOUS (CLASSIFIED) LOCATIONS" AND THE NATIONAL ELECTRICAL CODE (ANSI/NFQA 70).
 EUROPE - MUST COMPLY WITH THE INSTALLATION REQUIREMENTS OF THE COUNTRY OF USE, e.g. IN THE U.K., BS 5345:PART 4:1977.
- ASSOCIATED APPARATUS MANUFACTURER'S INSTALLATION DRAWING MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.
- BARRIER MUST BE CERTIFIED, SINGLE CHANNEL GROUNDED SHUNT-DIODE ZENER BARRIER OR A SINGLE CHANNEL ISOLATING BARRIER.
- FOR UNITS WHICH ARE CONNECTED THROUGH A GROUNDED SHUNT-DIODE SAFETY BARRIER, ENSURE THAT THE TRANSMITTER IS MOUNTED TO A SURFACE WHICH IS AT THE SAME POTENTIAL AS THE BARRIER GROUND.



- SHIELD OF CABLE OR CASE OF TRANSMITTER TO BE TIED TO AN INTRINSICALLY SAFE GROUND.