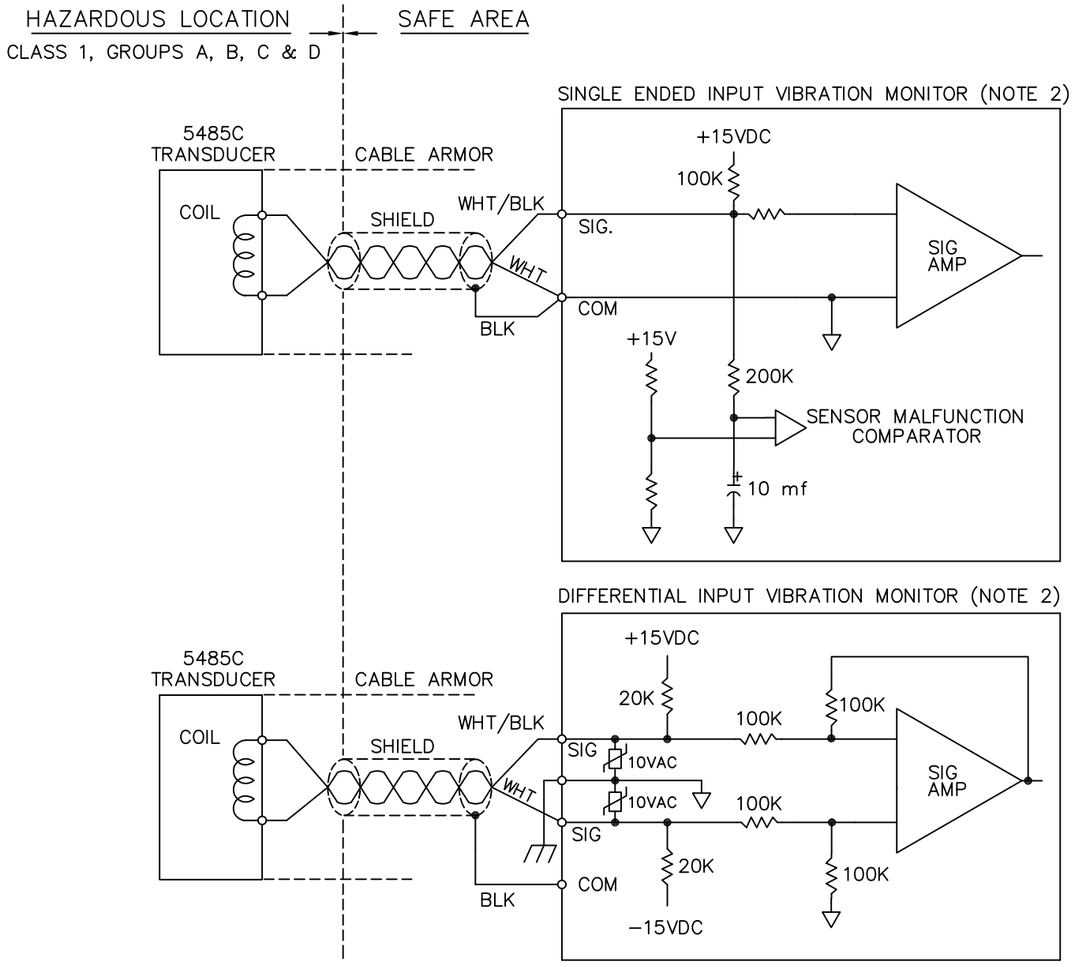

NOTES:

1. WARNING – THE VIBRATION MONITOR MUST PROVIDE A NON–INCENDIVE FIELD CIRCUIT TO TRANSDUCER, SO THAT IF THE WIRING BETWEEN THE TRANSDUCER AND MONITOR IS OPENED, SHORTED OR GROUNDED, THE CIRCUIT WILL REMAIN NON–INCENDIVE. MUST BE WIRED IN ACCORDANCE WITH THE NEC.

2. THE VIBRATION MONITOR SHALL PROVIDE A CIRCUIT HAVING MAXIMUM VOLTAGE AND MINIMUM RESISTANCE VALUES SHOWN IN THE SCHEMATIC DIAGRAMS.

3. TRANSDUCER CIRCUIT PARAMETERS:

V max	=	15	Vdc
I max	=	5	mA
Li	=	3.85	mH
Ci	=	0	uF

4. CABLE LENGTH SHALL NOT EXCEED 1000' (300m).

5. ALTERNATELY, IN LIEU OF THE ACTUAL CIRCUIT PARAMETERS SHOWN HERE, IT IS ALSO ACCEPTABLE TO CONNECT THE TRANSDUCER TO A VIBRATION MONITOR WHICH HAS A "nL" (LIMITED ENERGY) APPROVAL TO EN 50021. NOT APPLICABLE TO U.L.

AGENCY APPROVED PRODUCT

DO NOT DEVIATE FROM DOCUMENTED CONSTRUCTION OR LISTED PARTS

MATERIAL:

FINISH:

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.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. ALL CORNERS BROKEN TO .010 MIN RADIUS AND TOLERANCES ARE:

FRACTIONS: ±1/64 DECIMALS: .XX ±.01 .XXX ±.005

ANGLES: ±1°

SURFACE FINISH 64

NEXT ASSY	USED ON
	5485C
APPLICATION	

DO NOT SCALE DRAWING

APPROVALS	DATE
DRAWN BY:	
L. GREENWAY	01–15–90
CHECKED BY:	
JAM	02–13–90
APPROVED BY:	
R.L. MORRISON	02–13–90

METRIX
HOUSTON, TEXAS U.S.A.

SPECIFICATION, MODEL 5485C, S/N ≥ 8000 HIGH TEMPERATURE VELOCITY TRANSDUCER WIRING (CLASS 1, DIV. 2)

SIZE	DRAWING NO.	REV.
C	8096	H

SCALE: 1:2 SHEET: 1 of 1