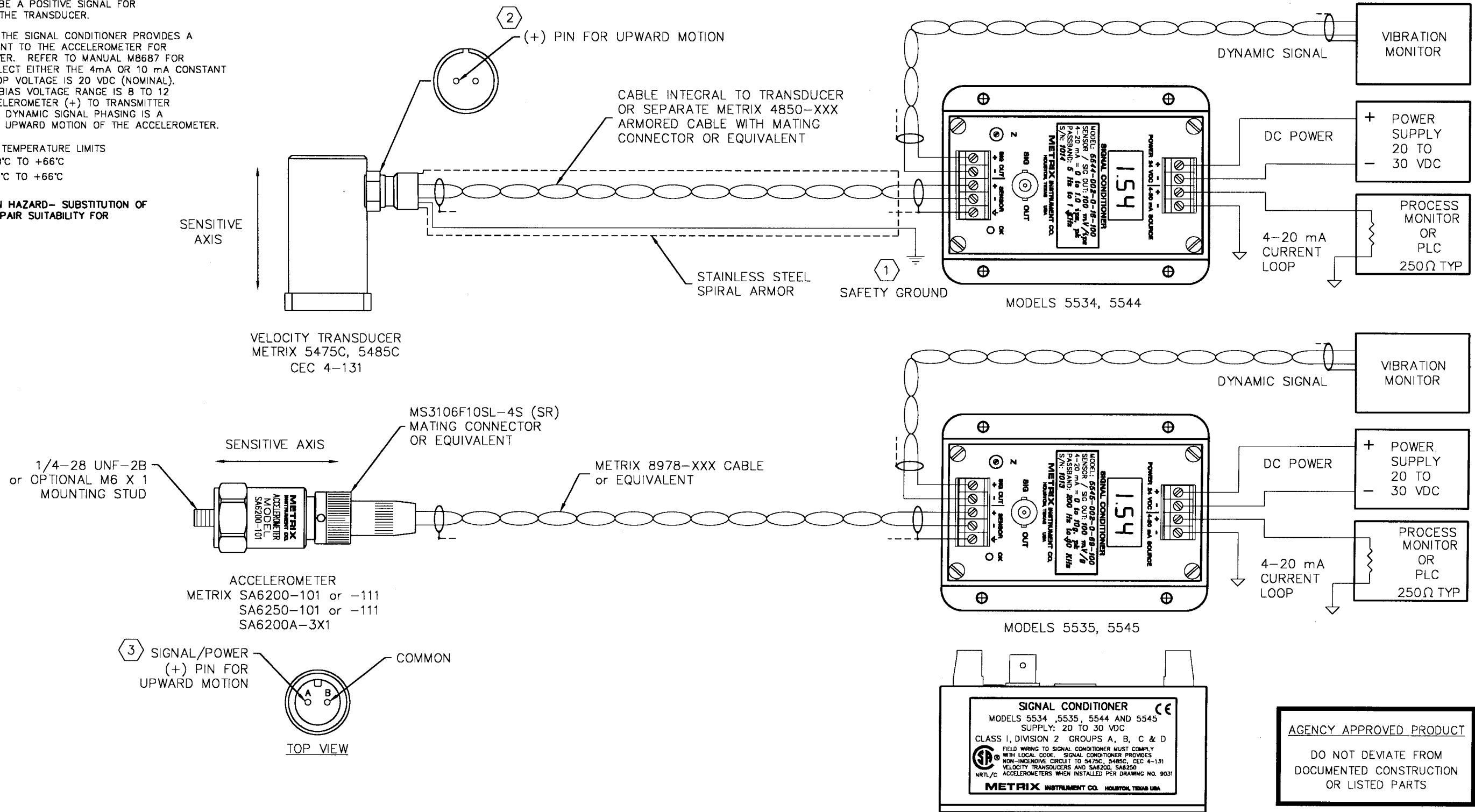


NOTES: (UNLESS OTHERWISE SPECIFIED)



- 1 CONNECT TRANSDUCER CASE TO SAFETY GROUND IF REQUIRED BY LOCAL SAFETY CODE.
- 2 5534, 5544 SERIES: CONNECT TRANSDUCER (+) PIN TO SIGNAL CONDITIONER SENSOR + FOR SIG OUT DYNAMIC SIGNAL PHASING TO BE A POSITIVE SIGNAL FOR UPWARD MOTION OF THE TRANSDUCER.
- 3 5535, 5545 SERIES: THE SIGNAL CONDITIONER PROVIDES A DC CONSTANT CURRENT TO THE ACCELEROMETER FOR ACCELEROMETER POWER. REFER TO MANUAL M8687 FOR INSTRUCTIONS TO SELECT EITHER THE 4mA OR 10 mA CONSTANT CURRENT. OPEN LOOP VOLTAGE IS 20 VDC (NOMINAL). ACCELEROMETER DC BIAS VOLTAGE RANGE IS 8 TO 12 VDC. CONNECT ACCELEROMETER (+) TO TRANSMITTER SENSOR +. SIG OUT DYNAMIC SIGNAL PHASING IS A POSITIVE SIGNAL FOR UPWARD MOTION OF THE ACCELEROMETER.

4. SIGNAL CONDITIONER TEMPERATURE LIMITS
5534/5544: -40°C TO +66°C
5535/5545: -10°C TO +66°C

5. WARNING -EXPLOSION HAZARD- SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS 1, DIVISION 2.



| REVISIONS | | | | |
|-----------|--------------|----|----------|----------|
| REV | ERO | BY | DATE | APPROVED |
| * | 8276 RELEASE | AW | 05-20-98 | RAW |
| A | 8574 | AW | 06-21-00 | RAW |
| B | 9241 | AW | 2-26-01 | RAW |

| | | | | | | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|-------------------|--|---------------------------------------------------------------------------------------|--|---------------|--|---------------------------------------------------------------------------------------|--|----------------------------------------------|--|--------|--|
| MATERIAL: | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. ALL CORNERS BROKEN TO .010 MIN RADIUS AND TOLERANCES ARE: | | APPROVALS | | DATE | | HOUSTON TEXAS | |  | | U.S.A. | | | |
| FINISH: | | FRACTIONS: DECIMALS: | | | | DRAWN BY: | | A. Wilson | | 05-14-98 | | INSTALLATION (CSA) | | | |
| 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. | | ±1/64 .XX ±.01 | | 5545 | | CHECKED BY: | | D. Dobsky | | 05-26-98 | | CLASS 1, DIVISION 2, GROUPS A, B, C, D AREAS | | | |
| | | ANGLES: ±1° | | 5544 | | APPROVED BY: | | R.L. Morrison | | 05-26-98 | | 5534, 5535, 5544, 5545 | | | |
| | | SURFACE FINISH | | 5535 | |  | | | | | | SIGNAL CONDITIONERS | | | |
| | | 64 | | 5534 | | | | SIZE B | | DRAWING NO. | | 9031 | | REV. B | |
| | | | | NEXT ASSY USED ON | | | | SCALE: NONE | | | | SHEET: 1 of 1 | | | |
| | | | | APPLICATION | | DO NOT SCALE DRAWING | | | | | | | | | |