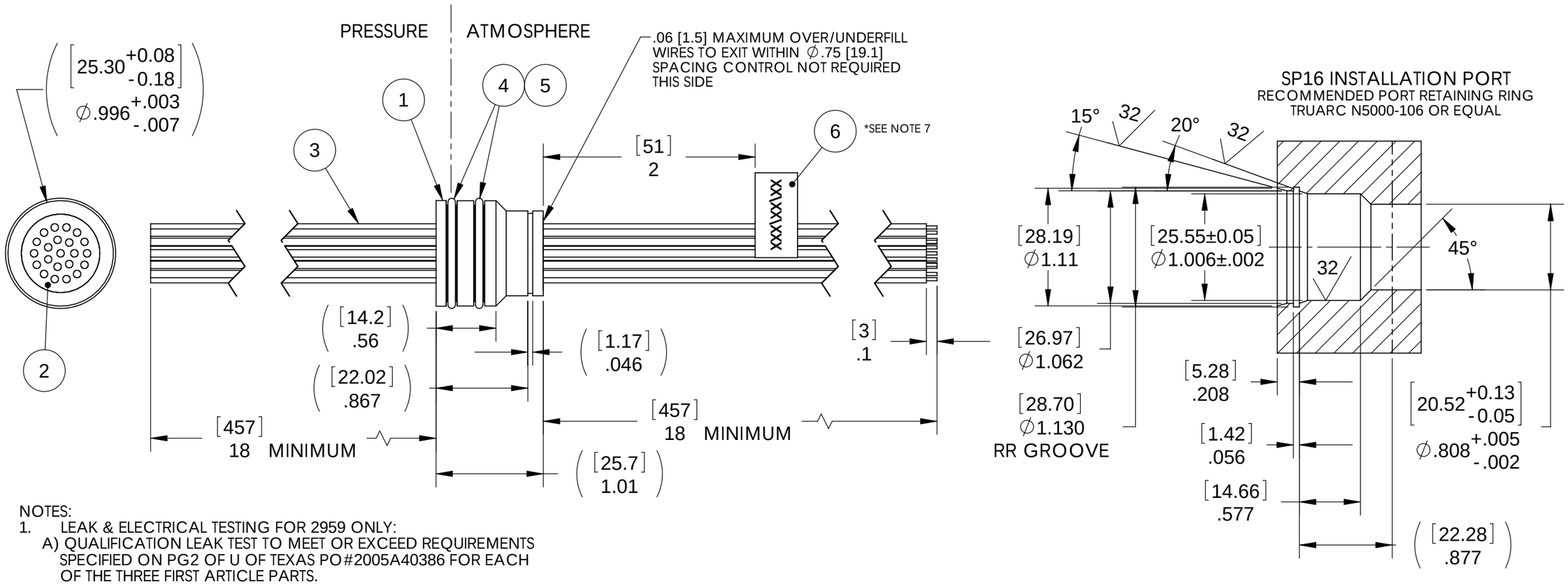


NOTES:

1. LEAK & ELECTRICAL TESTING FOR 2959 ONLY:
   A) QUALIFICATION LEAK TEST TO MEET OR EXCEED REQUIREMENTS SPECIFIED ON PG2 OF U OF TEXAS PO#2005A40386 FOR EACH OF THE THREE FIRST ARTICLE PARTS.
   B) PRODUCTION LEAK TEST: EACH O-RING INDIVIDUALLY: 1500 PSI, NO LEAKAGE DETECTED 10 MINUTES MINIMUM, 5 CYCLES. ADDITIONAL TEST OF OUTER (ATMOSPHERE SIDE)O-RING: 1500 PSI, NO LEAKAGE DETECTED 1 HOUR MINIMUM.
   C) HYPOT 2500 VDC 500 MEGAOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE.
2. LEAK & ELECTRICAL TESTING FOR 2959-1 ONLY:
   A) LEAK TEST: 1500 PSI, NO N2 BUBBLES 1 MINUTE MINIMUM.
   B) HYPOT 1000 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM CONDUCTOR TO CONDUCTOR.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. DIMENSIONS ARE INCHES [millimeters].
6. OPERATING TEMPERATURE RANGE -20˚C TO 125˚C.
7. FOR 2959 ONLY: LABEL AS SHOWN WITH "XXX" REPRESENTING A SEQUENTIAL SERIAL #, "XX/XX" REPRESENTING MM/YY. LABEL TO BE APPLIED TO ONE WIRE ONLY.
8. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN ∅0.035 [0.89] ARE ACCEPTABLE ON ALL OTHER SURFACES.
9. REF-PARTS ARE DEFLASED ON PARTING LINE +0.005 [0.13] MAXIMUM.
10. PAVE-SEAL CAN BE A BI-DIRECTIONAL HERMETIC SEAL FOR VACUUM AND MOST PRESSURES. FOR PRESSURES ABOVE 150 PSI (10 BAR), CHECK WITH SALES ENGINEERING.

| ITEM | QTY | PART NUMBER | DESCRIPTION |
|---|---|---|---|
| 6 | 1 | - *SEE NOTE 7 | PRINTABLE LABEL |
| 5 | A/R | PARKER O-LUBE | LUBRICANT O-RING BARIUM-BASED |
| 4 | 2 | -020 BUNA | O-RING -020 BUNA 75 |
| 3 | 22 | HV22 | WIRE #22 SILICONE HV ROWE R790-0522 OR EQUAL |
| 2 | A/R | PAVE-Seal 150 | EPOXY BLACK |
| 1 | 1 | 0913 | HOUSING SP16-E |

RECOMMENDED HOUSING RETAINING RING
TRUARC 5100-81 OR EQUAL,
REF-.877 [22.28] DIMENSION FOR USE
WITH HOUSING INSTALLED RETAINING RING

ALL DIMENSIONS AND TOLERANCES APPLY TO FINISHED PART IN INCHES.
ALLOWABLE TOLERANCES UNLESS SPECIFIED OTHERWISE: NONE ±0.5
X.X DECIMAL ±0.1 X.XX DECIMAL ±0.02 X.XXX DECIMAL ±0.005
ANGLES ±1 DEGREE SURFACE FINISH 128 microinch RMS

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2751 Thunderhawk Court
Dayton, OH 45414-3445
U.S.A.
tel (937) 890-1100
fax (937) 8905165
www.pavetechnologyco.com

DESCRIPTION: SP16-E-150-22-HV22-18-18

PART NUMBER: 2959*

MATERIAL: NOTED

REVISION LEVEL: C

PROJECTION