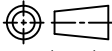
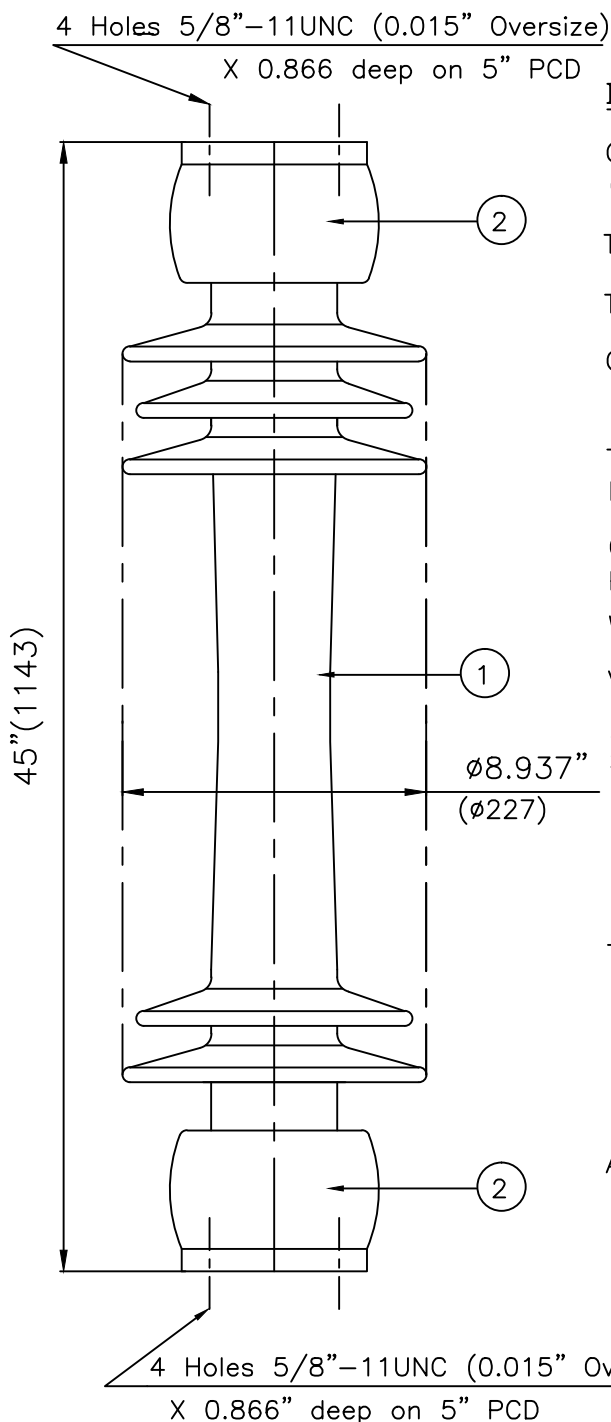


| RELEASE HISTORY |                              |                |  | <br>In.(mm) | PART# 49801-7001                 |
|-----------------|------------------------------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------|
| a               | DRAWING/DESIGN CREATED Rev.0 | 30.01.2013 KN  |                                                                                   |                                                                                               | DRAWING NUMBER 212-C-1824        |
| b               | DRAWING REDRAWN Rev.1        | 10.05.2021 RVS |                                                                                   | TITLE                                                                                         | STATION POST INSULATOR-550kV BIL |
|                 |                              |                | REF. TECHNICAL REFERENCE TR-286XL-125" LEAK                                       |                                                                                               |                                  |



## TECHNICAL CHARACTERISTICS

### MECHANICAL RATINGS

|                                                        |             |
|--------------------------------------------------------|-------------|
| CANTILEVER STRENGTH, lbs (kN)<br>(Upright & Underhung) | 1700 (7.56) |
| TENSION STRENGTH, lbs (kN)                             | 20000 (89)  |
| TORSION STRENGTH in-lbs (kN*M)                         | 60000 (6.8) |
| COMPRESSION STRENGTH lbs (kN)                          | 60000 (267) |

### ELECTRICAL RATINGS

|                                                     |     |
|-----------------------------------------------------|-----|
| IMPULSE WITHSTAND VOLTAGE, kV                       | 550 |
| CRITICAL IMPULSE FLASHOVER VOLTAGE,<br>POSITIVE, kV | 610 |
| WET POWER FREQUENCY WITHSTAND<br>VOLTAGE, kV        | 230 |

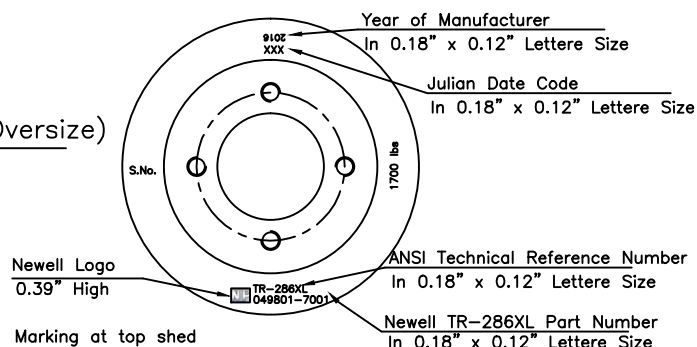
### RADIO INFLUENCE VOLTAGE RATINGS

|                                |     |
|--------------------------------|-----|
| LOW FREQUENCY TEST VOLTAGE, kV | 73  |
| MAX. RIV AT 1000 kHz, µV       | 200 |

### PHYSICAL CHARACTERISTICS

|                                   |            |
|-----------------------------------|------------|
| MINIMUM LEAKAGE DISTANCE, in (mm) | 125 (3175) |
| UNIT HEIGHT, in (mm)              | 45 (1143)  |
| NET WEIGHT, lbs (kg)              | 139 (63)   |
| GLAZE COLOR                       | Light Gray |

APPLICABLE STANDARD: ANSI: C29.9 & 29.1  
IEC:60168,273 & IS:2544, 5350



| 2     | Caps           | MCI/SGI   | Hot dip.galv. |
|-------|----------------|-----------|---------------|
| 1     | Insulator body | Porcelain | Grey Glazed   |
| S.No. | DESCRIPTION    | MATERIAL  | REMARKS       |

|                |                |          |      |
|----------------|----------------|----------|------|
| REF.212-C-1824 | DWG.TYPE SALES | DWN. RVS | APP. |
|----------------|----------------|----------|------|