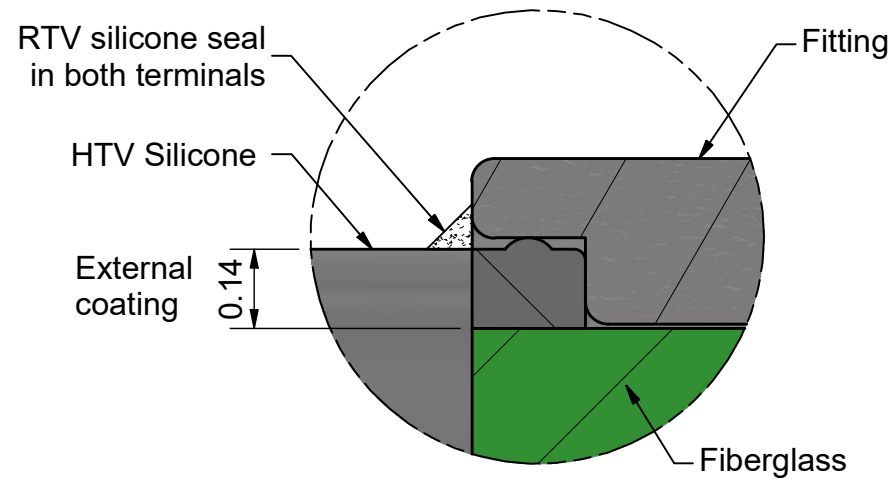
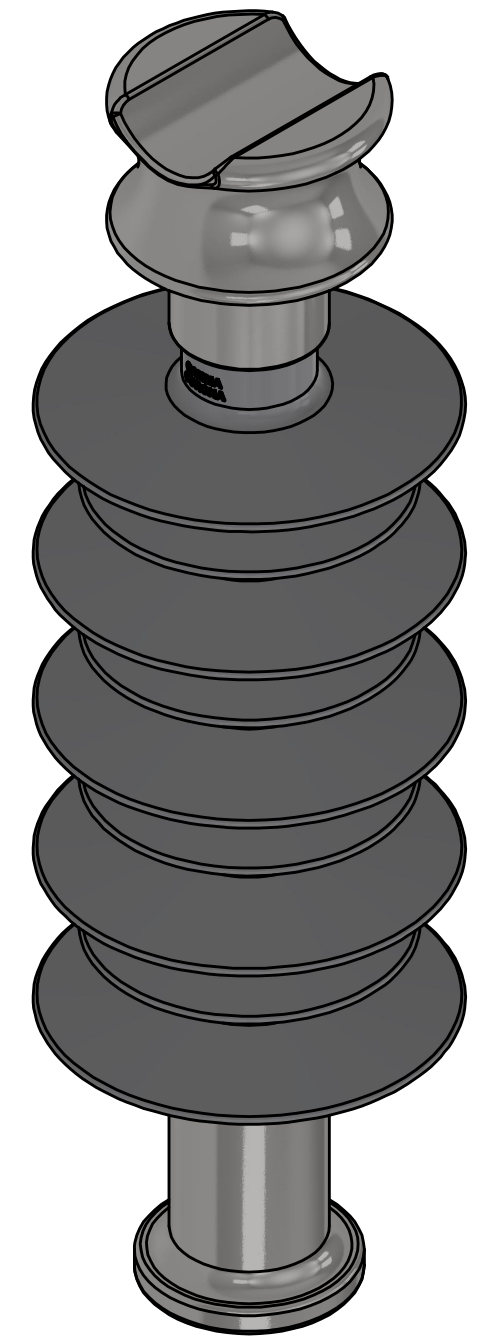
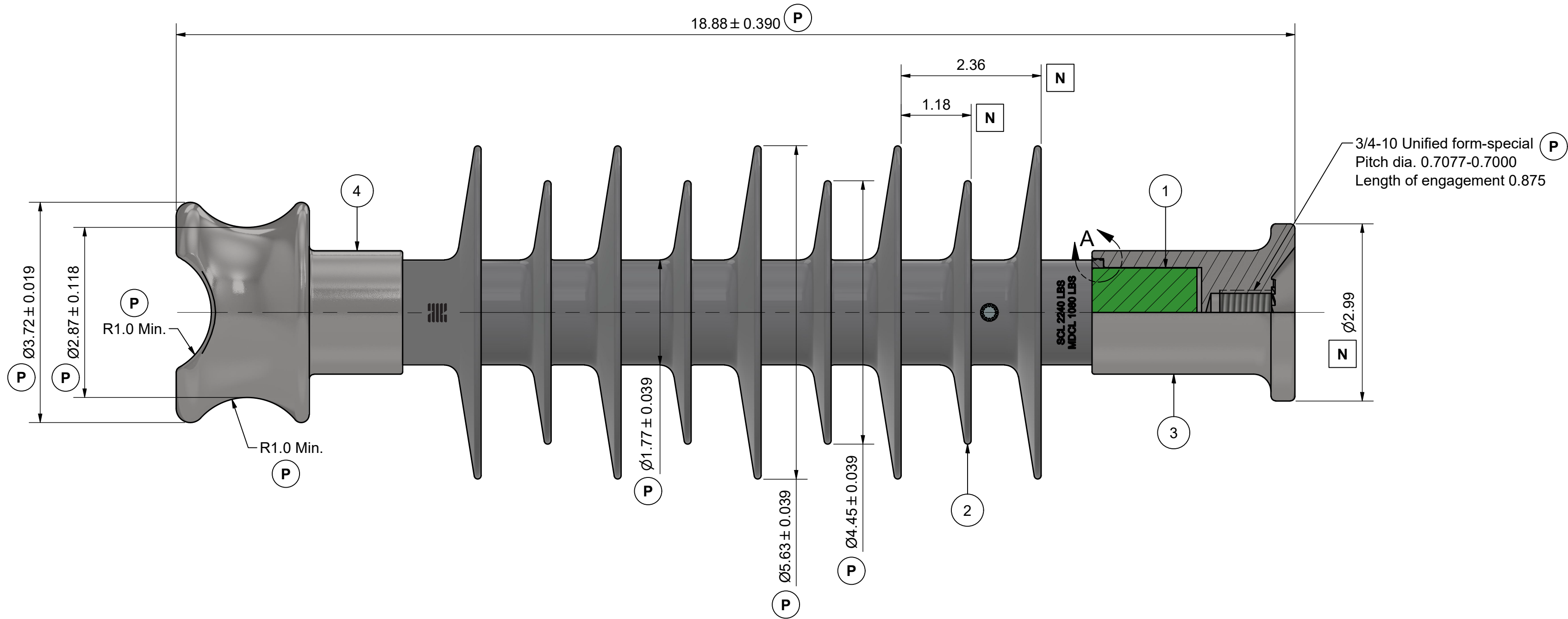


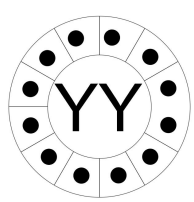


DETAIL A  
SCALE 3:1

#### SILICONE MARKING DETAIL



Mark #1  
NEWELL



Mark #2  
Traceability  
(Year-Month)

SCL 2240 LBS  
MDCL 1080 LBS

Mark #3  
Mechanical  
Parameters

#### FITTINGS MARKS:

- \* 46 kV
- \* APL046MM
- \* STL 5000 LBS
- \* GM

#### ELECTRICAL CHARACTERISTICS:

Voltage: 46 kV  
Leakage distance: 38.43 Inch (P)  
Arcing distance: 13.46 Inch (P)  
Low frequency flashover dry: 148 kV  
Low frequency flashover wet: 120 kV  
Critical impulse flashover positive: 250 kV

#### MECHANICAL CHARACTERISTICS:

Specified cantilever load (SCL): 9.96 kN (2.240 lbs)  
Specified tension load (STL): 8.89 kN (2.000 lbs)  
Maximum design cantilever load (MDCL): 4.80 kN (1.080 lbs)  
Total weight insulator (Approx.): 5.11 Kg

#### DIMENSIONS:

Core diameter: Ø1 1/2 Inch  
Quantity of sheds: 9 Units

#### NOTES:

- \* Fittings according to ANSI C29.18
- \* Galvanizing of the fittings according to ASTM A153

| PARTS LIST |     |                                   |                                                                                                                          |                 |
|------------|-----|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------|
| ITEM       | QTY | DESCRIPTION                       | MATERIAL                                                                                                                 | CODE            |
| 1          | 1   | Core                              | Fiberglass                                                                                                               | 38,0x373,5-01   |
| 2          | 1   | Insulating body                   | HTV Silicone                                                                                                             | APL046KV-01     |
| 3          | 1   | Bottom fitting                    | Forged steel ASTM A29/A29M-1045 hot-dip galvanized                                                                       | AD03-4BF0-PHC01 |
| 4          | 1   | Top fitting tie top neck type "F" | -Nodular iron ASTM A536 class 65-45-12 hot-dip galvanized<br>-Forged steel ASTM A29/A29M or AISI 1045 hot-dip galvanized | AD0TTFV-PHC01   |

N Dimension without protocol

P Dimension with protocol

|                                                                                                                                                                                                                                                                                                          |                             |  |                  |               |                                                                                       |  |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--|------------------|---------------|---------------------------------------------------------------------------------------|--|-----------|
| <div>ALL RIGHTS RESERVED DRAWINGS<br/>CANNOT BE REPRODUCED IN ANY<br/>WAY. FAILURE TO DO SO WILL<br/>REQUIRE NEWELL TO TAKE LEGAL<br/>ACTION.</div> <div><div><div>Newell</div><div>A PGC Company</div></div></div> | REF(S): NCLP0464F           |  |                  |               | CONTENT:<br><br>COMPOSITE LINE POST, 46 kV,<br>51-4F STEEL.                           |  | CUSTOMER: |
|                                                                                                                                                                                                                                                                                                          | DRAW: Lizeth Bedoya Cossio. |  | DATE: 2025/05/15 | DIN. IN: Inch |                                                                                       |  |           |
|                                                                                                                                                                                                                                                                                                          | REV:                        |  | SAP CODE:        | SC:           |  |  |           |
|                                                                                                                                                                                                                                                                                                          | APPROVER: David Gonzalez.   |  | NCLP0464F        | 1:1.5         |                                                                                       |  |           |