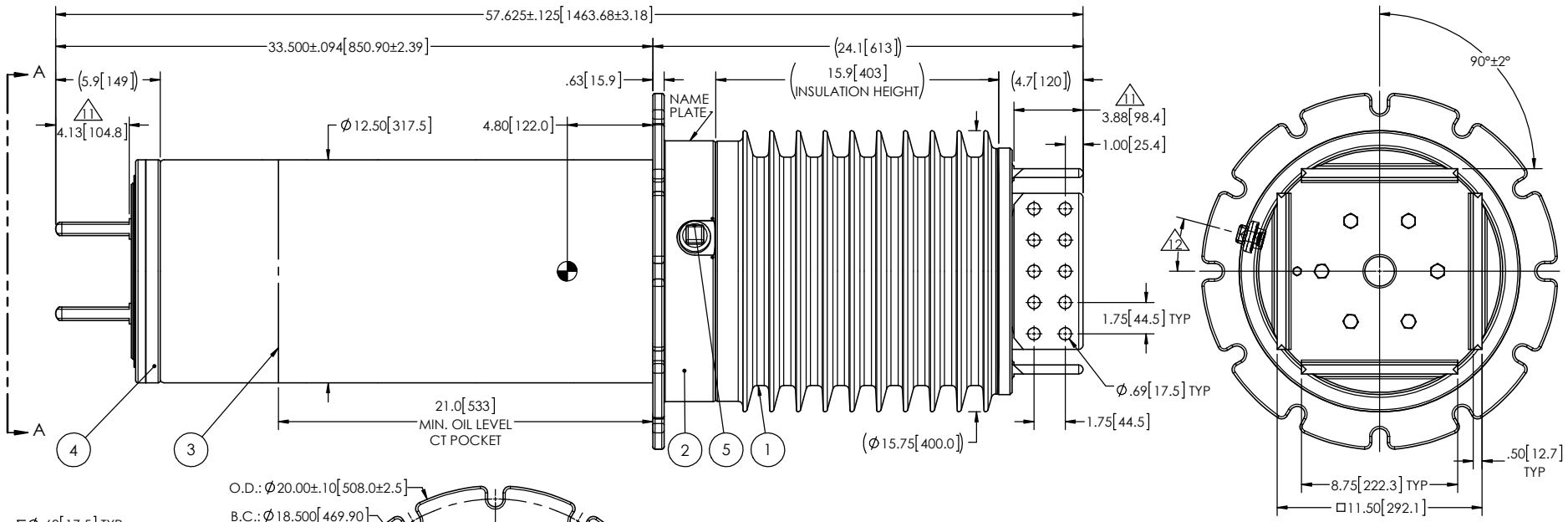
NOTES:

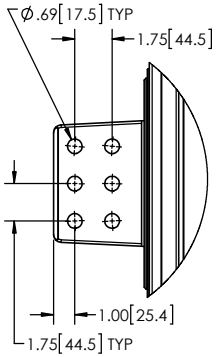
| | | |
|---|---|---|
| 1 | CREEPAGE DISTANCE: | 39.4" / 1000mm |
| 2 | ARC DISTANCE: | 16.8" / 426mm |
| 3 | NOMINAL VOLTAGE: | 34.5kV |
| 4 | NOMINAL CURRENT: | 14000A |
| 5 | VOLTAGE WITHSTAND, 60 sec.: | 80kV |
| 6 | BIL : | 200kV |
| 7 | ROUTINE TEST ACCORDING TO: | IEEE C57.19.01 |
| 8 | MAX. TORQUE APPLIED ON FLANGE BOLTS: | 40 lbf · ft / 54.2 N · m |
| 9 | WEIGHT: | 535 lb / 242.6 kg |
| 10 | MAXIMUM OPERATING TEMPERATURE: | 130°C |

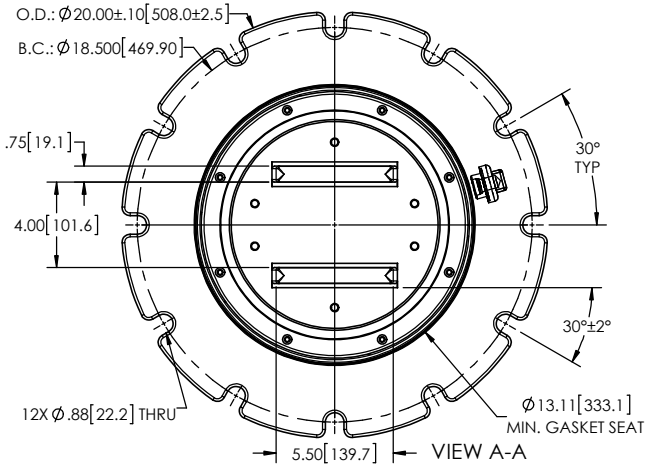
11 SILVER PLATED, AS PER ASTM B700, TYPE 1, GRADE D, CLASS N, NO NICKEL LAYER, FROM 13 TO 20 MICROMETERS THICKNESS

12 THE CAPACITANCE TAP ORIENTATION CAN BE DIFFERENT FROM THE DRAWING.

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| ZONE | REV. | DESCRIPTION | DRAWN BY | DATE | APPR. |




| ITEM NO. | QTY | DRAWING NO. | PART NO. | DESCRIPTION | NOTE / MAT'L |
|---|---|---|---|---|---|
| 5 | 1 | S-1001-2022 | | CAPACITANCE TAP ASSEMBLY | ALUMINUM |
| 4 | 1 | S-1147-9745 | | TUBE ASSEMBLY | COPPER |
| 3 | 1 | S-1769-9590 | | SHIELD ASSEMBLY | BRASS |
| 2 | 1 | S-5955-5589 | | FLANGE | ALUMINIUM |
| 1 | 1 | S-1147-9744 | -001 | CASTING, CYCLOALIPHATIC RESIN | EC-APG-15NA |

PARTS LIST

GENERAL TOLERANCES (UNLESS OTHERWISE SPECIFIED)

| | |
|---|---|
| X. | ±0.125 |
| .X | ±0.094 |
| .XX | ±0.063 |
| .XXX | ±0.031 |
| ANGLES | ±0.25° |
| RADIUS | ±0.031 |

REMOVE BURRS AND BREAK SHARP EDGES

DIMENSIONS ARE IN INCHES (UNLESS OTHERWISE SPECIFIED)

DRAWN BY: M. FORGET DATE: 2018/07/09

CHECK BY: 2018/08/03

PROJECT MANAGER:

**ElectroComposites™**
**solid HV bushings solution**

TITLE:
SDC® GSU BUSHING 34.5kV, 14000A
MODEL: 200-140-G-1031-00

| FORMAT | CAGE CODE | DRAWING NO. | REVISION |
|---|---|---|---|
| A | | S-1147-9744 | NR |

SCALE 1:9 GENERATED BY: SolidWorks 2013 SHEET 1 of 1

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