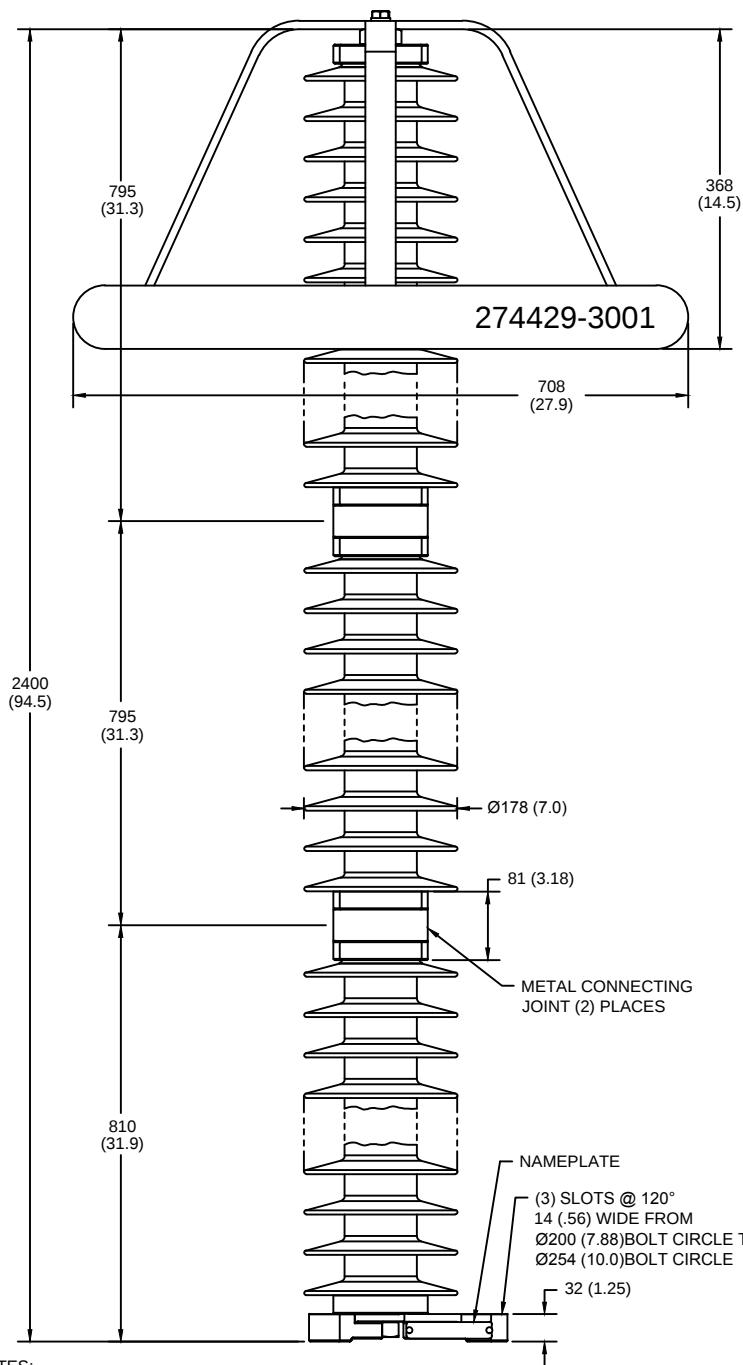
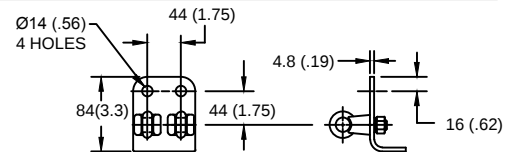




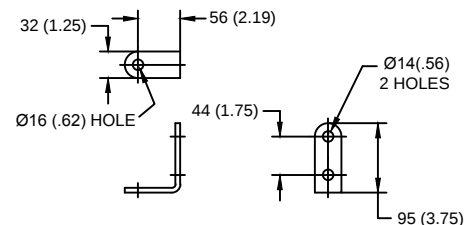
- NOTES:
1. DIMENSIONS IN millimeters(inches) SUBJECT TO $\pm 3\%$ TOLERANCE
 2. CLEARANCE AND INSULATION W/S VOLTAGE APPLY AT SEA LEVEL
 3. ARRESTER SUITABLE FOR OPERATION AT ALTITUDES UP TO 4380 m (14370 ft)
 4. PACKAGED IN A WOOD CRATE.

LINE TERMINAL DETAIL



HDG 4-HOLE TERMINAL PAD, PART No. 274914-4002
TWO HDG TERMINALS, PART No. 271414-3001
SUITABLE FOR COPPER OR ALUMINUM CONDUCTOR SIZE
Ø 7 (.25) - Ø 21 (.81)
25 - 240 sq mm
AWG#4 - 500 MCM

GROUND TERMINAL DETAIL



HDG 2-HOLE TERMINAL PAD, PART No. 271986-4002

Ø = DIAMETER
HDG = HOT DIP GALVANIZED

CHARACTERISTICS

RATED VOLTAGE (Ur)	180 kVrms
MCOV (Uc)	144 kVrms
MASS	60.1 kg (133 lb)
COG ABOVE BASE	1286 (50.6)
CREEPAGE DISTANCE	6278 (247.2)
STRIKE DISTANCE	2032 (80)
LIGHTNING IMP W/S	1166 kVpk
SWITCHING IMP WET W/S	977 kVpk
POWER FREQ WET W/S	436 kVrms
TOV 1s NO PRIOR DUTY	207 kVrms
TOV 10s NO PRIOR DUTY	198 kVrms
TOV 1s W/PRIOR DUTY	197 kVrms
TOV 10s W/PRIOR DUTY	186 kVrms

CANTILEVER FORCE

MAXIMUM CONTINUOUS	228 N (51 lbf)
ULTIMATE (max pk)	910 N (205 lbf)

RECOMMENDED CLEARANCE (METAL - METAL)

PHASE TO GROUND	859 (33.8)
PHASE TO PHASE	984.7 (38.8)

.5µSEC 10kA IR kV	SWITCHING SURGE IR kV		MAXIMUM 8/20 DISCHARGE VOLTAGE - kV AT					
	500 A	1 KA	1.5 kA	3.0 kA	5 kA	10 kA	20 kA	40 kA
480	343	357	366	385	403	433	468	534

IEEE C62.11

STATION-CLASS
SURGE ARRESTER

Program Revision
2015.07.30.08.09.10

REV DATE
05/03/11

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TITLE

**EVP ARRESTER
144 KV MCOV**

SIZE

S

DWG NO.

1910656

CAT / PART / ASSY NO.

EVP0144103004

REV

1

DO NOT SCALE
THIS DRAWING

DRN BY NON

DATE 05/03/11

SHEET 1 OF 1



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