

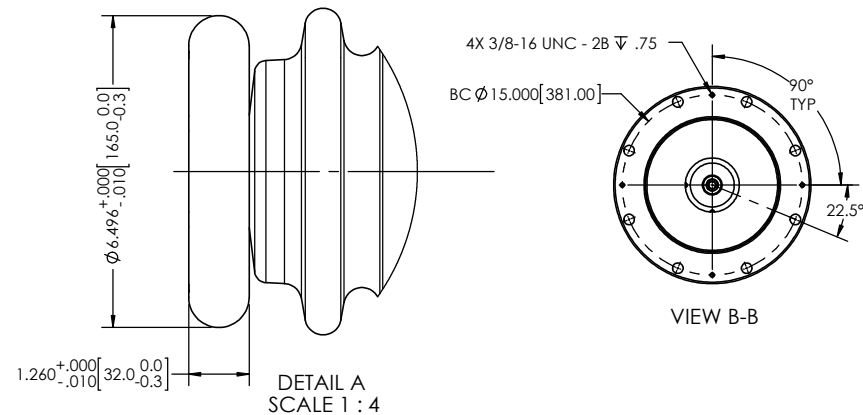
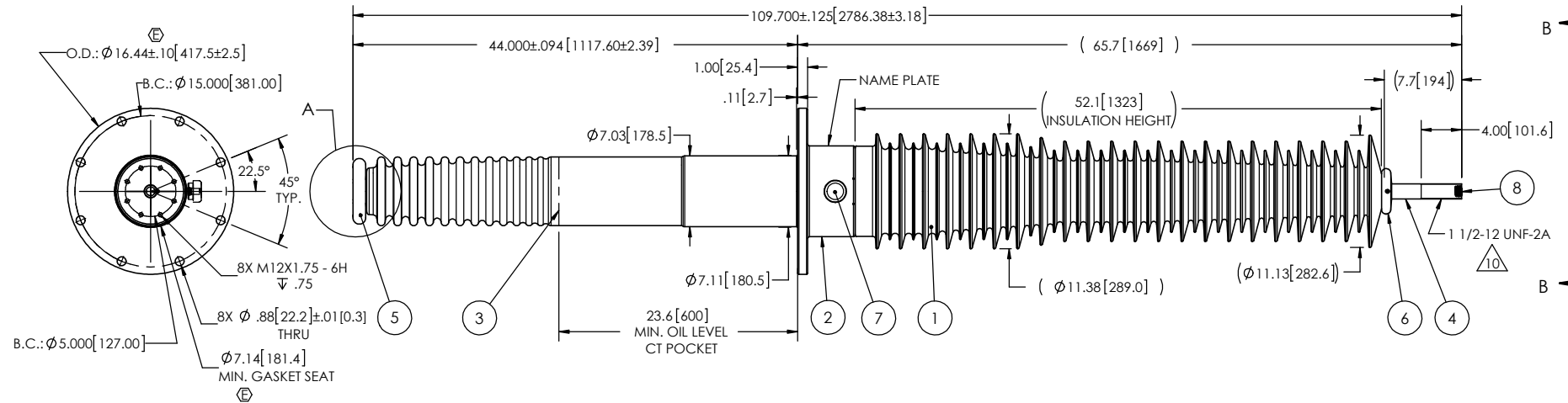
NOTES:

1	CREEPAGE DISTANCE:	OUT: 164.0" / 4166mm	IN: 51.5" / 1308mm
2	ARC DISTANCE:	55.0" / 1407mm	
3	NOMINAL VOLTAGE:	145kV	
4	NOMINAL CURRENT:	1200A	
5	VOLTAGE WITHSTAND, 60 sec.:	335kV	
6	BIL:	650kV	
7	ROUTINE TEST ACCORDING TO:	CSA C88.1-96	
8	MAX. TORQUE APPLIED ON FLANGE BOLTS:	70 lbf · ft / 94.9 N · m	
9	WEIGHT:	352 lb / 159.7 kg	

10 MAX. TORQUE APPLIED ON 3/4 NPT PIPE PLUG WITH TEFLON:

REVISIONS

ZONE	REV.	DESCRIPTION	DRAWN BY	DATE	APPROVED
	A	NEW DESIGN	D. DELISLE	2008-12-18	J.V.
A1	B	TITLE CHANGED: 650 WAS 550	A. SAVARD	2009-09-18	Y.V.
B4, D5, C6	C	THE FLANGE S-4661-4076 CHANGED TO S-6397-5960 + FLANGE O.D. CHANGE FROM 17" TO 16.44" + NUMBER OF 3/8-16 HOLES ON FLANGE CHANGE FROM 8 TO 4	J. CLICHE	2012-07-25	J.V.
	D	ROD ASSEMBLY DESIGN CHANGED + NOTE #10 ADDED	A.SAVARD	2013-01-14	J.V.
E6 C6	E	INCREASE THE TOLERANCE ON THE FLANGE OUTSIDE DIAMETER ADD THE MINIMUM GASKET SEAT DIMENSION	J. CLICHE	2016-10-12	J.V.



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ITEM NO.	QTY	DRAWING NO.	PART NO.	DESCRIPTION	NOTE / MAT'L
8	1		S-1001-2465-322	3/4 NPT PIPE PLUG	BRASS
7	1	S-2878-2606		CAPACITANCE TAP ASSEMBLY	ALUMINUM
6	1	S-2878-4854		CORONA RING TOP	ALUMINUM
5	1	S-4661-7678		CONNECTING PLATE	COPPER
4	1	S-4661-4078		ROD ASSEMBLY	COPPER
3	1	S-4661-4077		SHIELD ASSEMBLY	BRASS
2	1	S-6397-5960		FLANGE	ALUMINUM
1	1	S-4661-4037	-001	CASTING, CYCLOALIPHATIC RESIN	EC-APG-02

PARTS LIST

GENERAL TOLERANCES (UNLESS OTHERWISE SPECIFIED)

X.	± 0.125
.X	± 0.094
.XX	± 0.063
.XXX	± 0.031
ANGLES	$\pm 0.25^\circ$
RADIUS	± 0.031

REMOVE BURRS AND BREAK SHARP EDGES

DIMENSIONS ARE IN INCHES (UNLESS OTHERWISE SPECIFIED)

Electro Composites solid HV bushings solution

TITLE: SDC® BUSHING 145kV, 1200A
MODEL: 650-012-T-114-02

DRAWN BY:	DATE:
D. DELISLE	2008/12/16
CHECK BY:	
PROJECT ENG.:	
PROJECT MANAGER:	

FORMAT	CAGE CODE	DRAWING NO.	REVISION
A		S-4661-4037	E
SCALE	GENERATED BY:	SHEET	
1 : 16	SolidWorks 2013	1 of 1	