

# ENGINEERING REPORT

SUBJECT: Porcelain Station Post Design Testing

DATE: January 18, 2016

PAGE 1 Test Requests: E15-08-40; E15-08-39; Report Number: R16-01-10  
E15-08-38; E15-08-37;  
M15-08-64; M15-08-63;  
M15-08-61; M15-08-62

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## Porcelain Station Post Design Testing Catalog No. PSP2893001

### Introduction:

Samples of catalog number PSP2893001 were subjected to design testing in accordance with ANSI C29.9. This report details the results of that testing.

### Details:

All testing was performed in accordance with ANSI C29.9.

Catalog Number: PSP2893001

Clause – Test Name	Required	Unit #1	Unit #2	Unit #3	TR No.
7.2.1 – Low-Frequency Wet Withstand (kV)	275	284	285	285	E15-08-40
7.2.2 – Critical-Impulse Flashover, Pos. (kV)	710	735	738	738	E15-08-39
7.2.3 – Impulse Withstand (kV)	650	723	723	723	E15-08-38
7.2.4 – Radio-Influence Voltage ( $\mu$ V @ 88kV)	200	6.5	4.9	5.1	E15-08-37
7.2.5 – Thermal Shock	Pass	Pass	Pass	Pass	M15-08-64
7.2.6 – Compression Strength (lb)	75,000	78,660*	76,800*	77,710*	M15-08-63
7.2.7 – Torsional Strength (in-lb)	90,000	185,568	171,480*	170,568	M15-08-62
7.3.4 – Cantilever Strength (lb)	2,200	4,022	4,093	4,315	M15-08-61

\* - Withstand - no failure.

### Conclusions:

Catalog number PSP2893001 met all of the requirements for the TR-289 porcelain station post.

