

ENGINEERING REPORT

SUBJECT: Porcelain Station Post Design Testing
DATE: January 18, 2016
PAGE 1 Test Requests: E15-08-40; E15-08-39; Report Number: R16-01-11
E15-08-38; E15-08-37;
M15-08-64; M15-08-63;
M15-08-61; M15-08-62

Porcelain Station Post Design Testing Catalog No. PSP2913001

Introduction:

Samples of catalog number PSP2913001 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: PSP2913001

Clause – Test Name	Required	Unit #1	Unit #2	Unit #3	TR No.
7.2.1 – Low-Frequency Wet Withstand (kV)	315	324	324	323	E15-08-40
7.2.2 – Critical-Impulse Flashover, Pos. (kV)	810	858	859	860	E15-08-39
7.2.3 – Impulse Withstand (kV)	750	827	834	828	E15-08-38
7.2.4 – Radio-Influence Voltage (μ V @ 103kV)	500	5.1	5.7	4.9	E15-08-37
7.2.5 – Thermal Shock	Pass	Pass	Pass	Pass	M15-08-64
7.2.6 – Compression Strength (lb)	60,000	61,810	61,950	61,880	M15-08-63
7.2.7 – Torsional Strength (in-lb)	40,000	102,936	122,832	109,704	M15-08-62
7.3.4 – Cantilever Strength (lb)	1,200	2,765	2,513	3,002	M15-08-61

* - Withstand - no failure.

Conclusions:

Catalog number PSP2913001 met all of the requirements for the TR-291 porcelain station post.

