



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0177

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Post Glover Resistors, Inc.

Manufacturer's Technical Representative: Jonathan Nash

Mailing Address: 4750 Olympic Blvd., Erlanger, KY 41018

Telephone: (859) 372-8919

Email: Jonathan.Nash@postglover.com

Product Information

Product Name: Neutral Grounding Devices

Product Model Number(s): Reference attachment

Product Category: Power Isolation and Correction Systems

Product Sub-Category: Grounding Systems

General Description: Units mounted with or without manufacturer-provided stands consisting of up to six power resistor banks, grounded indoor and outdoor safety enclosure, with options for bushing entry/exit, window and bar style current transformers, sensing resistor, junction box and heater circuit. Tested units included those with and without additional seismic bracing/restraint.

Mounting Description: Rigid Base Mounted, with or without Manufacturer-Provided Stands

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: Dynamic Certification Laboratories

Contact Person: Rachel Wolfe

Mailing Address: 1315 Greg Street, Sparks, NV 89431

Telephone: (775) 358-5085

Email: rachel.wolfe@shaketest.com

Title: Seismic Test Engineer



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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: THE VMC GROUP

Name: Kenneth Tarlow California License Number: S2851

Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814

Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

Certification Method

☐ GR-63-Core ☒ ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
☐ Other (Please Specify): _____

Testing Laboratory

Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)

Contact Person: Josh Sailer

Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431

Telephone: (775) 358-5085 Email: josh@shaketest.com

BY: Timothy J. Piland

DATE: 10/10/2025



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Seismic Parameters

Certified Response Spectral Acceleration Factors: (F_p/W_p)

Horizontal (A Flx-H), $g =$ 3.84, 3.62 (A Rig-H), $g =$ 2.58, 2.43

Vertical (A Flx-V), $g =$ 1.60, 1.51 (A Rig-V), $g =$ 0.64, 0.60

S_{DS} (Design spectral response acceleration at short period, g) = 2.4 at $z/h=1$ and 2.5 at $z/h=0$ (seismically braced), 2.26 at $z/h=1$ and 0 (non-seismically braced)

H_f (Force amplification height factor) = 3.5 at $z/h=1$; 1 at $z/h=0$

R_u (Structure ductility reduction factor) = 1.3 at $z/h=1$; 1 at $z/h=0$

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 10/10/2031

Date: 10/10/2025

Name: Timothy Piland

Title: Senior Structural Engineer

Condition of Approval (if applicable):

BY: Timothy J. Piland

DATE: 10/10/2025

Special Seismic Certification

Table 1 - Certified Components - GGG Seismically Braced Enclosures



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 3R/IP23 Galvanized Carbon Steel or Stainless Steel

Mounting Description: Rigid Base Mounted

Certified Seismic Level: Sds = 2.40g, z/h = 1 and Sds = 2.50g, z/h = 0

Factors for Force Amplification and Structure Ductility Reduction: $H_f = 3.5$ at $z/h=1.0$; 1.0 at $z/h=0$ and $R_p = 1.3$ at $z/h=1.0$; 1.0 at $z/h=0$

Model	Voltage ¹	Duty ¹	Current ¹	Current Transformer ¹	Max. Dimensions (in)			Max. Weight (lb)	Unit
					Length	Width	Height		
NU-NGD27C030-GGG0A01JA	277	Continuous / 385C	30	300:5 to 400:5	48	48	48	720	UUT-04A
NU-NG049C1D3-GGG0A01DA	4,900	Continuous / 385C	1.3	50:5 to 250:5				750	UUT-03A
NU-NG013C019-GGGAA01LA	1,300	Continuous / 385C	19	500:5 to 5000:5				1,070	UUT-02A
NCU-NGXXXXXX-GGG0A01ZX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5				720 to 1,230	Interpolated
NCU-NGXXXXXX-GGGAA01ZX-MODXXX									Interpolated
NCU-NGXXXXXX-GGGBA01ZX-MODXXX									Interpolated
NCU-NGXXXXXX-GGGEA01ZX-MODXXX									Interpolated
NCU-NGXXXXXX-GGGPA01ZX-MODXXX									Interpolated
NU-NGD10C360-GGGAA01LA	100	Continuous / 385C	360	50:5 to 250:5				1,230	UUT-01A

Note:

1. Voltage, Time, Current and Current Transformer Ratio are a function of the properties of the tested and certified subcomponents.

BY: Timothy J. Piland

DATE: 10/10/2025

Special Seismic Certification

Table 2 - Certified Components - GGG Non-Seismically Braced Enclosures



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 3R/IP23 Galvanized Carbon Steel or Stainless Steel

Mounting Description: Rigid Base Mounted

Certified Seismic Level: Sds = 2.26g, z/h = 1 and 0

Factors for Force Amplification and Structure Ductility Reduction: $H_f = 3.5$ at $z/h=1.0$; 1.0 at $z/h=0$ and $R_p = 1.3$ at $z/h=1.0$; 1.0 at $z/h=0$

Model	Voltage ¹	Time ¹	Current ¹	Current Transformer ¹	Max. Dimensions (in)			Max. Weight (lb)	Unit
					Length	Width	Height		
MU-NGD27C030-GGG0A01JA	277	Continuous / 385C	30	300:5 to 400:5	48	48	48	580	UUT-04B
MU-NG049C1D3-GGG0A01DA	4,900	Continuous / 385C	1.3	50:5 to 250:5				620	UUT-03B
MU-NG013C019-GGGAA01LA	1,300	Continuous / 385C	19	500:5 to 5000:5				920	UUT-02B
MCU-NGXXXXXX-GGG0A01ZX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5				580 to 1,060	Interpolated
MCU-NGXXXXXX-GGGAA01ZX-MODXXX									Interpolated
MCU-NGXXXXXX-GGGBA01ZX-MODXXX									Interpolated
MCU-NGXXXXXX-GGGEA01ZX-MODXXX									Interpolated
MCU-NGXXXXXX-GGGPA01ZX-MODXXX									Interpolated
MU-NGD10C360-GGGAA01LA	100	Continuous / 385C	360	50:5 to 250:5				1,060	UUT-01B

Note:

1. Voltage, Time, Current and Current Transformer Ratio are a function of the properties of the tested and certified subcomponents.

BY: Timothy J. Piland

DATE: 10/10/2025

Special Seismic Certification

Table 3 - Certified Options - GGG Seismically Braced Enclosures and Non-Seismically Braced Enclosures



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 3R/IP23 Galvanized Carbon Steel or Stainless Steel

Mounting Description: Rigid Base Mounted

Sample Part Number: MU-NG024A400-GGG0A0100-MODXXX

Model Number Nomenclature

M U - NG 024 A 400 - GGG 0 A 01 0 0 - MODXXX

Sample Value	Allowable Value	Category	Definition	Justification for Interpolation/ Extrapolation	Unit
M	M	Test Level (z/h=1)	2.26 Sds(g)	N/A	UUT-01B, UUT-02B, UUT-03B, UUT-04B
	N		2.40 Sds(g)	N/A	UUT-01A, UUT-02A, UUT-03A, UUT-04A
U	Blank	Certification (optional)	Seismic	Tested	UUT-01A,B; UUT-02A,B; UUT-03A,B;UUT-04A,B
	XX		Other Regulatory Compliance ¹	Same design as tested units	Same as tested
NG	NG	Resistor Type	Neutral Grounding	N/A	UUT-01A,B; UUT-02A,B; UUT-03A,B;UUT-04A,B
024	D10	Voltage	100V	N/A	UUT-01A,B
	D24		240V	Bookended by tested units	Interpolated
	D27		277V	N/A	UUT-04A,B
	048		480V	Bookended by tested units	Interpolated
	D60		600V	Bookended by tested units	Interpolated
	012		1200V	Bookended by tested units	Interpolated
	013		1300V	N/A	UUT-02A,B
	024		2400V	Bookended by tested units	Interpolated
	049		4900V	N/A	UUT-03A,B
	080		8000V ²	Bookended by tested units	Interpolated
A	W	Duty ³	2 Sec/760C	Depopulated version of tested units	Extrapolated
	A		10 Sec/760C	Depopulated version of tested units	Extrapolated
	B		15 Sec/760C	Depopulated version of tested units	Extrapolated
	D		20 Sec/760C	Depopulated version of tested units	Extrapolated
	H		30 Sec/760C	Depopulated version of tested units	Extrapolated
	M		60 Sec/610C	Depopulated version of tested units	Extrapolated
	N		60 Sec/760C	Depopulated version of tested units	Extrapolated
	C		Continuous/385C	N/A	UUT-01A,B; UUT-02A,B; UUT-03A,B;UUT-04A,B
400	E	Current ⁴	Extended/610C	Depopulated version of tested units	Extrapolated
	1D3		1.3A	N/A	UUT-03A,B
	5D0		5A	Bookended by tested units	Interpolated
	010		10A	Bookended by tested units	Interpolated
	019		19A	N/A	UUT-02A,B
	030		30A	N/A	UUT-04A,B
	360		360A	N/A	UUT-01A,B
	400		400A	Bookended by tested units	Interpolated
	1K0		1000A	Bookended by tested units	Interpolated
	1K2		1200A	Bookended by tested units	Interpolated
	4K0		4000A	Bookended by tested units	Interpolated
	M		Multiple Amp Options	Bookended by tested units	Interpolated
GGG	GGG	Size of Enclosure (Width x Depth x Height)	48 inches	N/A	UUT-01A,B; UUT-02A,B; UUT-03A,B; UUT-04A,B

Continued on next page

Note:

- Other regulatory compliance certifications outside of OSHPDs are not certified under this OSP.
- Subcomponent relating to the voltage option are bookended by tested units.
- The duty rating relates directly to the number of resistors. A range of resistors were tested in the selected units.
- Current may be any value. Subcomponents relating to the current option are bookended by tested units.

Special Seismic Certification

Table 4 - Certified Options - GGG Seismically Braced Enclosures and Non-Seismically Braced Enclosures (continued)



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 3R/IP23 Galvanized Carbon Steel or Stainless Steel

Mounting Description: Rigid Base Mounted

Sample Part Number: MU-NG024A400-GGG0A0100-MODXXX

Model Number Nomenclature

M U - NG 024 A 400 - GGG 0 A 01 0 0 - MODXXX

Sample Value	Allowable Value	Category	Definition	Justification for Interpolation/ Extrapolation	Unit
0	0	Resistor Enclosure Material	Mill Galvanized	N/A	UUT-03A,B; UUT-04A,B
	A		304 Stainless Steel	N/A	UUT-01A,B; UUT-02A,B
	B		316 Stainless Steel	Corrosion-Resistant 304 Stainless Steel	Same as UUT-01A,B; UUT-02A,B
	D		Galvanneal Steel, ANSI 49	Different Paint	Same as UUT-03A,B; UUT-04A,B
	E		Galvanneal Steel, ANSI 61	Different Paint	Same as UUT-03A,B; UUT-04A,B
	F		Galvanneal Steel, ANSI 70	Different Paint	Same as UUT-03A,B; UUT-04A,B
	G		304 Stainless Steel, ANSI 49	Different Paint	Same as UUT-01A,B; UUT-02A,B
	H		304 Stainless Steel, ANSI 61	Different Paint	Same as UUT-01A,B; UUT-02A,B
	I		304 Stainless Steel, ANSI 70	Different Paint	Same as UUT-01A,B; UUT-02A,B
	J		304 Stainless Steel, Special Paint	Different Paint	Same as UUT-01A,B; UUT-02A,B
	K		316 Stainless Steel, ANSI 49	Different Paint	Same as UUT-01A,B; UUT-02A,B
	L		316 Stainless Steel, ANSI 61	Different Paint	Same as UUT-01A,B; UUT-02A,B
	M		316 Stainless Steel, ANSI 70	Different Paint	Same as UUT-01A,B; UUT-02A,B
	N		316 Stainless Steel, Special Paint	Different Paint	Same as UUT-01A,B; UUT-02A,B
	P		Galvanneal Steel, Special Paint	Mill Galvanized Steel with finish	Same as UUT-03A,B; UUT-04A,B
	R		Galvanneal Steel, RAL7035	Different Paint	Same as UUT-03A,B; UUT-04A,B
A	1	Resistor Enclosure Type	NEMA 1	Depopulated version of tested units	Extrapolated
	A		NEMA 3R / IP23	N/A	UUT-01A,B; UUT-02A,B; UUT-03A,B; UUT-04A,B
01	0	Cable Entry / Exit	Bottom Left	N/A	UUT-01A,B; UUT-02A,B; UUT-03A,B; UUT-04A,B
	1		Bottom Right	N/A	UUT-01A,B; UUT-02A,B; UUT-03A,B; UUT-04A,B
0	0	Current Transformer Ratio	None	Depopulated version of tested units	Extrapolated
	D		50:5	N/A	UUT-03A,B
	E		100:5	Same as UUT-03A,B. Different secondary connections for ratio	Interpolated
	F		150:5	Same as UUT-03A,B. Different secondary connections for ratio	Interpolated
	G		200:5	Same as UUT-03A,B. Different secondary connections for ratio	Interpolated
	H		250:5	Same as UUT-03A,B. Different secondary connections for ratio	Interpolated
	J		300:5	N/A	UUT-04A,B
	K		400:5	Same as UUT-04A,B. Different secondary connections for ratio	Interpolated
	L		500:5	N/A	UUT-01A,B; UUT-02A,B
	Q		1000:5	Same as UUT-01A,B; UUT-02A,B. Different secondary connections for ratio	Interpolated
	S		1500:5	Same as UUT-01A,B; UUT-02A,B. Different secondary connections for ratio	Interpolated
	T		2000:5	Same as UUT-01A,B; UUT-02A,B. Different secondary connections for ratio	Interpolated
	U		2500:5	Same as UUT-01A,B; UUT-02A,B. Different secondary connections for ratio	Interpolated
	V		3000:5	Same as UUT-01A,B; UUT-02A,B. Different secondary connections for ratio	Interpolated
	W		3500:5	Same as UUT-01A,B; UUT-02A,B. Different secondary connections for ratio	Interpolated
	X		4000:5	Same as UUT-01A,B; UUT-02A,B. Different secondary connections for ratio	Interpolated
	Y		5000:5	Same as UUT-01A,B; UUT-02A,B. Different secondary connections for ratio	Interpolated
0	0	Junction Box Mounting	None	Depopulated version of tested units	Extrapolated
	A		Left Side	N/A	UUT-01A,B; UUT-02A,B; UUT-03A,B; UUT-04A,B
	B		Right Side	Same design as tested units	Interpolated
MODXXX	MODXXX	Optional, Job Specific	Modification Number	Digits for non-standard options (color, branding, software only)	Same as Tested

Special Seismic Certification

Table 5 - Certified Components - DDM and BAE without Manufacturer-Provided Stands



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 1 / NEMA 3R / IP23, IP54 / IP55 / IP56 Galvanized Carbon Steel or Stainless Steel

Mounting Description: Rigid Base Mounted without Manufacturer-Provided Stands

Certified Seismic Level: Sds = 2.26g, z/h = 1 and 0

Factors for Force Amplification and Structure Ductility Reduction: $H_s = 3.5$ at $z/h=1.0$; 1.0 at $z/h=0$ and $R_p = 1.3$ at $z/h=1.0$; 1.0 at $z/h=0$

Enclosure Type	Model	Voltage	Duty	Current	Current Transformer	Stand Height (in)	Max. Dimensions (in)			Max. Weight (lb)	Unit
							Length	Width	Height		
BAE	M-NGXXXXXX-BAEXXXXX-MODXXX	277 V	10 Sec / 760C	10 Amp	None	None	22.0	28.0	41.0	153	Extrapolated
	M-NGXXXXXX-BAE0XXXXX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5	None	22.0	28.0	41.0	200	Extrapolated
	M-NGXXXXXX-BAEAXXXXXX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5	None	22.0	28.0	41.0	200	Extrapolated
	M-NGXXXXXX-BAEBXXXXX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5	None	22.0	28.0	41.0	200	Extrapolated
	M-NG024A2D0-BAE0ABFGA-UUT08	277 V	10 Sec / 760C	5 Amp	200:5	None	22.0	28.0	41.0	200	UUT-08A
	M-NGXXXXXX-BAEPXXXXX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5	None	22.0	28.0	41.0	250	Interpolated
DDM	M-NGXXXXXX-DDM0XXXXX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5	None	36.0	36.0	72.0	614	Interpolated
	M-NGXXXXXX-DDMAXXXXXX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5	None	36.0	36.0	72.0	614	Interpolated
	M-NGXXXXXX-DDMBXXXXX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5	None	36.0	36.0	72.0	614	Interpolated
	M-NG080A2D0-DDMACCEGB-UUT05	8000 V	10 Sec / 760C	2 Amp	200:5	None	38.0	38.0	72.0	614	UUT-05A
	M-NGXXXXXX-DDMPXXXXX-MODXXX	Varies	Varies	Varies	50:5 to 5000:5	None	36.0	36.0	72.0	721	Interpolated
	M-NG080A130-DDM0ABFX0-UUT06	480 V	10 Sec / 760C	400 Amp	100:5 & 400:5	None	38.0	38.0	72.0	721	UUT-06A

Note:

1. Voltage, Duty, Current and Current Transformer Ratio are a function of the properties of the tested and certified subcomponents.

Special Seismic Certification

Table 6 - Certified Components - DDM and BAE with Manufacturer-Provided Stands



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 1 / NEMA 3R / IP23, IP54 / IP55 / IP56 Galvanized Carbon Steel, 304 or 316 Stainless Steel

Mounting Description: Rigid Base Mounted with Manufacturer-Provided Stands

Certified Seismic Level: Sds = 2.26g, z/h = 1 and 0

Factors for Force Amplification and Structure Ductility Reduction: $H_f = 3.5$ at $z/h=1.0$; 1.0 at $z/h=0$ and $R_p = 1.3$ at $z/h=1.0$; 1.0 at $z/h=0$

Enclosure Size	Model	Voltage	Duty	Current	Current Transformer	Stand Height (in)	Max. Dimensions (in)			Max. Weight (lb)	Unit
							Length	Width	Height		
BAE	M-NG024A2D0-BAE0ABFGA-UUT08	277 V	10 Sec / 760C	5 Amp	200:5	72	46.0	54.0	112.5	454	UUT-08B
	M-NGXXXXXX-BAEXXXXX-MODXXX	Varies	Varies	Varies	Varies	48	46.0	54.0	89.0	463	Interpolated
	M-NGXXXXXX-BAEXXXXX-MODXXX	Varies	Varies	Varies	Varies	60	46.0	54.0	103.0	513	Interpolated
	M-NGXXXXXX-BAEXXXXX-MODXXX	Varies	Varies	Varies	Varies	72	46.0	54.0	112.5	560	Interpolated
	M-NGXXXXXX-BAEXXXXX-MODXXX	Varies	Varies	Varies	Varies	84	46.0	54.0	125.0	560	Interpolated
	M-NG024A400-BAEAACEG0-UUT07	2400 V	10 Sec / 760C	400 Amp	200:5	96	46.0	54.0	137.0	560	UUT-07B
DDM	M-NG080A2D0-DDMACCEGB-UUT05	8000 V	10 Sec / 760C	2 Amp	200:5	72	62.0	62.0	144.0	924	UUT-05B
	M-NGXXXXXX-DDMXXXXX-MODXXX	Varies	Varies	Varies	Varies	48	62.0	62.0	120.0	934	Interpolated
	M-NGXXXXXX-DDMXXXXX-MODXXX	Varies	Varies	Varies	Varies	84	62.0	62.0	156.0	948	Interpolated
	M-NGXXXXXX-DDMXXXXX-MODXXX	Varies	Varies	Varies	Varies	60	62.0	62.0	132.0	990	Interpolated
	M-NGXXXXXX-DDMXXXXX-MODXXX	Varies	Varies	Varies	Varies	72	62.0	62.0	144.0	1030	Interpolated
	M-NG080A130-DDM0ABFX0-UUT06	480 V	10 Sec / 760C	400 Amp	100:5 & 400:5	96	62.0	62.0	168.0	1071	UUT-06B

Note:

1. Voltage, Duty, Current and Current Transformer Ratio are a function of the properties of the tested and certified subcomponents.

Special Seismic Certification

Table 7 - Certified Options - DDM and BAE with or without Manufacturer-Provided Stands



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 1 / NEMA 3R / IP23, IP54 / IP55 / IP56 Galvanized Carbon Steel, 304 or 316 Stainless Steel

Mounting Description: Rigid Base Mounted with or without Manufacturer-Provided Stands

Sample Part Number: MU-NG024A400-DDM0A0100-MODXXX

Model Number Nomenclature

M	U	-	NG	024	A	400	-	DDM	0	A	01	0	0	-	MODXXX
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Sample Value	Allowable Value	Category	Definition	Justification for Interpolation/ Extrapolation	Unit
M	M	Seismic	2.26 Sds(g)	N/A	UUT-05A,B; UUT-06A,B; UUT-07A,B;UUT-08A,B
U	Blank	Certification (optional)	Seismic	Tested	UUT-05A,B; UUT-06A,B; UUT-07A,B;UUT-08A,B
	XX		Other Regulatory Compliance ¹	Same design as tested units	Same as tested
NG	NG	Resistor Type	Neutral Grounding	N/A	UUT-05A,B; UUT-06A,B; UUT-07A,B;UUT-08A,B
024	D10	Voltage	100V	Bookended by tested units	Interpolated
	D24		240V	Bookended by tested units	Interpolated
	D27		277V	Bookended by tested units	Interpolated
	048		480V	Bookended by tested units	Interpolated
	D60		600V	Bookended by tested units	Interpolated
	012		1200V	Bookended by tested units	Interpolated
	013		1300V	Bookended by tested units	Interpolated
	024		2400V	N/A	UUT-07A,B; UUT-08A,B
	049		4900V	Bookended by tested units	Interpolated
	080		8000V	N/A	UUT-05A,B; UUT-06A,B
A	W	Duty ²	2 Sec/760C OR 2 Sec/750C	Depopulated version of tested units	Extrapolated
	A		10 Sec/760C OR 10 Sec/750C	N/A	UUT-05A,B; UUT-06A,B; UUT-07A,B;UUT-08A,B
	B		15 Sec/760C OR 15 Sec/750C	Depopulated version of tested units	Extrapolated
	D		20 Sec/760C OR 20 Sec/750C	Depopulated version of tested units	Extrapolated
	H		30 Sec/760C OR 30 Sec/750C	Depopulated version of tested units	Extrapolated
	M		60 Sec/610C OR 60 Sec/600C	Depopulated version of tested units	Extrapolated
	N		60 Sec/760C OR 60 Sec/750C	Depopulated version of tested units	Extrapolated
	C		Continuous/385C OR Continuous/375C	Depopulated version of tested units	Extrapolated
	E		Extended/610C OR Extended/600C	Depopulated version of tested units	Extrapolated
400	1D3	Current ³	1.3A	Bookended by tested units	Interpolated
	2D0		2A	N/A	UUT-05A,B; UUT-08A,B
	5D0		5A	Bookended by tested units	Interpolated
	010		10A	Bookended by tested units	Interpolated
	019		19A	Bookended by tested units	Interpolated
	030		30A	Bookended by tested units	Interpolated
	130		130A	N/A	UUT-06A,B
	360		360A	Bookended by tested units	Interpolated
	400		400A	N/A	UUT-07A,B
	1K0		1000A	Bookended by tested units	Interpolated
	1K2		1200A	Bookended by tested units	Interpolated
	4K0		4000A	Bookended by tested units	Interpolated
	M		Multiple Amp Options	Bookended by tested units	Interpolated
DDM ⁴	A	Size of Enclosure (Width x Depth x Height)	24 inch	N/A	UUT-07A,B; UUT-08A,B
	B		30 inch	N/A	UUT-07A,B; UUT-08A,B
	D		36 inch	N/A	UUT-05A,B; UUT-06A,B
	E		42 inch	N/A	UUT-07A,B; UUT-08A,B
	M		72 inch	N/A	UUT-05A,B; UUT-06A,B

Continued on next page

Note:

- Other regulatory compliance certifications outside of OSHPDs are not certified under this OSP.
- The duty rating relates directly to the number of resistors. A range of resistors were tested in the selected units.
- Current may be any value. Subcomponents relating to the current option are bookended by tested units.
- Only DDM and BAE size enclosures are available.

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Table 8 - Certified Options - DDM and BAE with or without Manufacturer-Provided Stands (continued)



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 1 / NEMA 3R / IP23, IP54 / IP55 / IP56 Galvanized Carbon Steel, 304 or 316 Stainless Steel

Mounting Description: Rigid Base Mounted with or without Manufacturer-Provided Stand

Sample Part Number: MU-NG024A400-DDM0A0100-MODXXX

Model Number Nomenclature

M U - NG 024 A 400 - DDM 0 A 01 0 0 - MODXXX

Sample Value	Allowable Value	Category	Definition	Justification for Interpolation/ Extrapolation	Unit
0	0	Resistor Enclosure Material	Mill Galvanized	N/A	UUT-06A,B;UUT-08A,B
	A		304 Stainless Steel	N/A	UUT-05A,B; UUT-07A,B
	B		316 Stainless Steel	Corrosion-Resistant 304 Stainless Steel	Same as UUT-05A,B; UUT-07A,B
	D		Galvanneal Steel, ANSI 49	Different Paint	Same as UUT-06A,B; UUT-08A,B
	E		Galvanneal Steel, ANSI 61	Different Paint	Same as UUT-06A,B; UUT-08A,B
	F		Galvanneal Steel, ANSI 70	Different Paint	Same as UUT-06A,B; UUT-08A,B
	G		304 Stainless Steel, ANSI 49	Different Paint	Same as UUT-05A,B; UUT-07A,B
	H		304 Stainless Steel, ANSI 61	Different Paint	Same as UUT-05A,B; UUT-07A,B
	I		304 Stainless Steel, ANSI 70	Different Paint	Same as UUT-05A,B; UUT-07A,B
	J		304 Stainless Steel, Special Paint	Different Paint	Same as UUT-05A,B; UUT-07A,B
	K		316 Stainless Steel, ANSI 49	Different Paint	Same as UUT-05A,B; UUT-07A,B
	L		316 Stainless Steel, ANSI 61	Different Paint	Same as UUT-05A,B; UUT-07A,B
	M		316 Stainless Steel, ANSI 70	Different Paint	Same as UUT-05A,B; UUT-07A,B
	N		316 Stainless Steel, Special Paint	Different Paint	Same as UUT-05A,B; UUT-07A,B
	P		Galvanneal Steel, Special Paint	Mill Galvanized Steel with finish	Same as UUT-06A,B; UUT-08A,B
	R		Galvanneal Steel, RAL7035	Different Paint	Same as UUT-06A,B; UUT-08A,B
A	1	Resistor Enclosure Type	NEMA 1	Same design as tested units	Same as UUT-06A,B; UUT-07A,B; UUT-08A,B
	A		NEMA 3R / IP23	N/A	UUT-06A,B; UUT-07A,B; UUT-08A,B
	B		IP31	Same design as UUT-06A,B; UUT-07A,B; UUT-08A,B	Same as UUT-06A,B; UUT-07A,B; UUT-08A,B
	C		IP54	N/A	UUT-05A,B
	E		IP55	Same design as UUT-05A,B	Same as UUT-05A,B
	F		IP56	Same design as UUT-05A,B	Same as UUT-05A,B
01	N	Cable Entry / Exit	None	No Bushings	Extrapolated
	0		Bottom Left	Lower forces than Left High location	Interpolated
	1		Bottom Right	Lower forces than Right High location	Interpolated
	A		Left Low	Lower forces than Left High location	Interpolated
	B		Left High	N/A	UUT-06A,B;UUT-08A,B
	C		Top Left	N/A	UUT-05A,B; UUT-07A,B
	D		Top Center	Same height as Top Left	Interpolated
	E		Top Right	N/A	UUT-05A,B; UUT-07A,B
	F		Right Low	Lower forces than Right High location	Interpolated
	G		Right High	N/A	UUT-06A,B;UUT-08A,B

Continued on next page

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Table 9 - Certified Options - DDM and BAE with or without Manufacturer-Provided Stand

(continued)

DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 1 / NEMA 3R / IP23, IP54 / IP55 / IP56 Galvanized Carbon Steel or Stainless Steel

Mounting Description: Rigid Base Mounted with or without Manufacturer-Provided Stand



Sample Part Number: MU-NG024A400-DDM0A0100-MODXXX

Model Number Nomenclature

M	U	-	NG	024	A	400	-	DDM	0	A	01	0	0	-	MODXXX
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Sample Value	Allowable Value	Category	Definition	Justification for Interpolation/ Extrapolation	Unit
0	0	Current Transformer Ratio	None	Removal of CT subcomponent	Extrapolated
	1		10:5	Different Ratio	Same construction as UUT-06A,B
	2		25:5	Different Ratio	Same construction as UUT-06A,B
	3		50:5	Different Ratio	Same construction as UUT-06A,B
	4		100:5	N/A	UUT-06A,B ¹
	5		200:5	Different Ratio	Same construction as UUT-06A,B
	6		300:5	Different Ratio	Same construction as UUT-06A,B
	7		400:5	N/A	UUT-06A,B ¹
	8		600:5	Different Ratio	Same construction as UUT-06A,B
	9		1000:5	Different Ratio	Same construction as UUT-06A,B
	A		5:5	Different Ratio	Same construction as UUT-05A,B & UUT-07A,B
	B		10:5	Different Ratio	Same construction as UUT-05A,B & UUT-07A,B
	C		25:5	Different Ratio	Same construction as UUT-05A,B & UUT-07A,B
	D		50:5	Different Ratio	Same construction as UUT-05A,B & UUT-07A,B
	D (with MOD148)		50:5	Different Ratio	Same construction as UUT-08A,B
	E		100:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	E (with MOD148)		100:5	Different Ratio	Same construction as UUT-08A,B
	F		150:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	F (with MOD148)		150:5	Different Ratio	Same construction as UUT-08A,B
	G		200:5	N/A	UUT-05A,B; UUT-07A,B
	G (with MOD148)		200:5	N/A	UUT-08A,B ²
	H		250:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	H (with MOD148)		250:5	Different Ratio	Same construction as UUT-08A,B
	J		300:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	J (with MOD148)		300:5	Different Ratio	Same construction as UUT-08A,B
	K		400:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	K (with MOD148)		400:5	Different Ratio	Same construction as UUT-08A,B
	L		500:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	L (with MOD148)		500:5	Different Ratio	Same construction as UUT-08A,B
	M		600:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	M (with MOD148)		600:5	Different Ratio	Same construction as UUT-08A,B
	N		700:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	P		800:5	Different Ratio	Same construction as UUT-05A,B or UUT-07A,B
	Q		1000:5	Different Ratio	Same construction as UUT-08A,B
	S		1500:5	Different Ratio	Same construction as UUT-08A,B
	T		2000:5	Different Ratio	Same construction as UUT-08A,B
	U		2500:5	Different Ratio	Same construction as UUT-08A,B
	V		3000:5	Different Ratio	Same construction as UUT-08A,B
	W		3500:5	Different Ratio	Same construction as UUT-08A,B
	X		4000:5	Different Ratio	Same construction as UUT-08A,B
	Y		5000:5	Different Ratio	Same construction as UUT-08A,B
0	0	Junction Box Mounting	None	N/A	UUT-06A,B; UUT-07A,B
	A		Left Side	N/A	UUT-08A,B
	B		Right Side	N/A	UUT-05A,B
MODXXX	MODXXX	Optional, Job Specific	Modification Number	Digits for non-standard options (color, branding, software only)	Same as Tested ³

Note:

- Model number has "X" as both options were tested.
- MOD148 is a multi ratio current transformer.
- UUT5, UUT6, UUT7, UUT8 are the MODXXX for the tested units.

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Table 10 - Certified Subcomponents - GGG Seismically Braced Enclosures



DCL Project Number: 94797-2401

Certified Seismic Level: Sds = 2.40g, z/h = 1 and Sds = 2.50g, z/h = 0

Enclosures						
Model Number	Manufacturer	Size	Notes	Material	Weight (lb)	Unit
NG444-S-2D50	Post Glover	48" x 48" x 48"	NEMA 1 / NEMA 3R / IP23	Mill Galvanized	668	UUT-03A, UUT-04A
NG444-S-2D50-2					694	Interpolated
NG444-S-2D50-3					721	Interpolated
NG444-S-2D50-4					747	Interpolated
NG444-S-2D50-PG				Galvanneal, Painted	668	Interpolated
NG444-S-2D50-2-PG					694	Interpolated
NG444-S-2D50-3-PG					721	Interpolated
NG444-S-2D50-4-PG					747	Interpolated
NG444-S-2D50-316				316 Stainless Steel	668	Interpolated
NG444-S-2D50-2-316					694	Interpolated
NG444-S-2D50-3-316					721	Interpolated
NG444-S-2D50-4-316					747	Interpolated
NG444-S-2D50-304				304 Stainless Steel	668	Interpolated
NG444-S-2D50-2-304					694	Interpolated
NG444-S-2D50-3-304					721	Interpolated
NG444-S-2D50-4-304					747	UUT-01A, UUT-02A
Insulators						
Model Number	Manufacturer	Notes		Material	Weight (lb)	Unit
KIT-I5-1-304	Meister International	Stand off, 5kV, 60kV BIL		Porcelain	2	UUT-01A, UUT-02A
KIT-I15-1-304		Stand off, 15kV, 110 kV BIL			5	UUT-01A, UUT-02A, UUT-03A, UUT-04A
Junction Box						
Model Number	Manufacturer	Notes		Material	Weight (lb)	Unit
BN4060604CHSSA-ALT1	Wiegmann	6" x 6" x 4" , NEMA 4X, with 4 point shorting block		316 Stainless Steel	5	Same as tested
BN4060604CHSS-ALT1				304 Stainless Steel	5	UUT-01A, UUT-02A, UUT-03A, UUT-04A
Current Transformers						
Model Number	Manufacturer	Notes		Material	Weight (lb)	Unit
115-202MR	Spectrum Industries	300:5 to 400:5 ratio, Window Type		Silicon Steel, Copper	19	UUT-04A
139-601MR		50:5 to 250:5 ratio, Window Type			40	UUT-01A, UUT-03A
139-502MR		500:5 to 5000:5 ratio, Window Type			40	UUT-02A

Special Seismic Certification
Table 11 - Certified Subcomponents - GGG Seismically Braced Enclosures (continued)


DCL Project Number: 94797-2401

Certified Seismic Level: Sds = 2.40g, z/h = 1 and Sds = 2.50g, z/h = 0

Resistor Banks, Grid Element Type								
Model Number	Manufacturer	Material	Grid Width ¹	Number of Stacks ¹	Grid Shape ¹	Grid Thickness (Gauge) ¹	Unit	
SG226-18SR-A1-S-SUB	Post Glover	Mill Galvanized	A1	1	T	26 (thinnest)	UUT-04A	
SG226-18SR-A1-S-SUB		304 or 316 Stainless Steel	A1	1 to 4	T		Interpolated	
SG311-A1-SUB to SG315-A1-S-SUB		Mill Galvanized, 304 Stainless Steel, or 316 Stainless Steel	A1		H			
SG211-A1-S-SUB to SG224-A1-S-SUB			A1		T			
SG311-A2-S-SUB to SG315-A2-S-SUB			A2		H			
SG211-A2-S-SUB to SG224-A2-S-SUB			A2		T			
SG226-18SR-A2-S-SUB			A2		T			
SG311-A3-S-SUB to SG315-A3-S-SUB			A3		H			
SG211-A3-S-SUB to SG224-A3-S-SUB			A3		T			
SG226-18SR-A3-S-SUB			A3		T			
SG311-A3-S-SUB			A3	H	4			UUT-01A
SG313-A3-S-SUB		304 Stainless Steel	A3	H				UUT-01A
SG211-A3-S-SUB			A3	T				UUT-01A
SG213-A3-S-SUB			A3	T		11 (thickest)		UUT-01A
Resistor Banks, Wirewound								
Model Number	Manufacturer	Material	Grid Width ¹	Number of Stacks ¹	Grid Shape ¹	Wire Thickness (Gauge) ¹	Unit	
21FDL115500-A3-S-SUB	Post Glover	Mill Galvanized	A3	1	N/A	24	UUT-03A	
01FDL115500-A3-S-SUB to 21FDL2400-A3-S-SUB		Mill Galvanized, 304 Stainless Steel, or 316 Stainless Steel	A3	1 to 4	N/A	24-11	Interpolated	
			A3					
21FDL2400-A3-S-SUB		304 Stainless Steel	A3	4	N/A	11	UUT-02A	

Notes:

1. Ratings (voltage, time, current) determine element type (wirewound or grid), width of grid (A1, A2, A3), number of stacks (1-4), gauge of wire or grid plate (24-11Ga wire, 26-11Ga plate) and grid shape (H or T).

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Table 12 - Certified Subcomponents - GGG Non-Seismically Braced Enclosures



DCL Project Number: 94797-2401

Certified Seismic Level: Sds = 2.26g, z/h = 1.0 and 0

Enclosures						
Model Number	Manufacturer	Size	Notes	Material	Weight (lb)	Unit
NG444-S-2D26	Post Glover	48" x 48" x 48"	NEMA 1 / NEMA 3R / IP23	Mill Galvanized	511	UUT-03B, UUT-04B
NG444-S-2D26-2					538	Interpolated
NG444-S-2D26-3					566	Interpolated
NG444-S-2D26-PG				Galvanneal, Painted	511	Interpolated
NG444-S-2D26-2-PG					538	Interpolated
NG444-S-2D26-3-PG					566	Interpolated
NG444-S-2D26-316				316 Stainless Steel	511	Interpolated
NG444-S-2D26-2-316					538	Interpolated
NG444-S-2D26-3-316					566	Interpolated
NG444-S-2D26-304				304 Stainless Steel	511	Interpolated
NG444-S-2D26-2-304					538	Interpolated
NG444-S-2D26-3-304					566	UUT-01B, UUT-02B
Insulators						
Model Number	Manufacturer	Notes		Material	Weight (lb)	Unit
KIT-I5-1-304	Meister International	Stand off, 5kV, 60kV BIL		Porcelain	2	UUT-01B, UUT-02B
KIT-I15-1-304		Stand off, 15kV, 110 kV BIL			5	UUT-01B, UUT-02B, UUT-03B, UUT-04B
Junction Box						
Model Number	Manufacturer	Notes		Material	Weight (lb)	Unit
BN4060604CHSSA-ALT1	Wiegmann	6" x 6" x 4" , NEMA 4X, with 4 point shorting block		316 Stainless Steel	5	Same as tested
BN4060604CHSS-ALT1				304 Stainless Steel	5	UUT-01A, UUT-02A, UUT-03A, UUT-04A
Current Transformers						
Model Number	Manufacturer	Notes		Material	Weight (lb)	Unit
115-202MR	Spectrum Industries	300:5 to 400:5 ratio, Window Type		Silicon Steel, Copper	19	UUT-04B
139-601MR		50:5 to 250:5 ratio, Window Type			40	UUT-01B, UUT-03B
139-502MR		500:5 to 5000:5 ratio, Window Type			40	UUT-02B

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Table 13 - Certified Subcomponents - GGG Non-Seismically Braced Enclosures (Continued)


DCL Project Number: 94797-2401

Certified Seismic Level: Sds = 2.26g, z/h = 1.0 and 0

Resistor Banks, Grid Element Type							
Model Number	Manufacturer	Material	Grid Width ¹	Number of Stacks ¹	Grid Shape ¹	Grid Thickness (Gauge) ¹	Unit
SG226-18SR-A1-S-SUB	Post Glover	Mill Galvanized	A1	1	T	26 (thinnest)	UUT-04B
SG226-18SR-A1-S-SUB		304 or 316 Stainless Steel	A1	1 to 4	T	↓	Interpolated
SG311-A1-SUB to SG315-A1-S-SUB		Mill Galvanized, 304 Stainless Steel, or 316 Stainless Steel	A1		H		
SG211-A1-S-SUB to SG224-A1-S-SUB			A1		T		
SG311-A2-S-SUB to SG315-A2-S-SUB			A2		H		
SG211-A2-S-SUB to SG224-A2-S-SUB			A2		T		
SG226-18SR-A2-S-SUB			A2		T		
SG311-A3-S-SUB to SG315-A3-S-SUB			A3		H		
SG211-A3-S-SUB to SG224-A3-S-SUB			A3		T		
SG226-18SR-A3-S-SUB			A3		T		
SG311-A3-S-SUB		304 Stainless Steel	A3	4	H		UUT-01B
SG313-A3-S-SUB			A3		H		UUT-01B
SG211-A3-S-SUB			A3		T		UUT-01B
SG213-A3-S-SUB			A3		T		UUT-01B
						11 (thickest)	UUT-01B

Resistor Banks, Wirewound							
Model Number	Manufacturer	Material	Grid Width ¹	Number of Stacks ¹	Grid Shape ¹	Wire Thickness (Gauge) ¹	Unit
21FDL115500-A3-S-SUB	Post Glover	Mill Galvanized	A3	1	N/A	24	UUT-03B
01FDL115500-A3-S-SUB to 21FDL2400-A3-S-SUB		Mill Galvanized, 304 Stainless Steel, or 316 Stainless Steel	A3	1 to 4	N/A	24-11	Interpolated
21FDL2400-A3-S-SUB		304 Stainless Steel	A3	4	N/A	11	UUT-02B

Notes:

1. Ratings (voltage, time, current) determine element type (wirewound or grid), width of grid (A1, A2, A3), number of stacks (1-4), gauge of wire or grid plate (24-11Ga wire, 26-11Ga plate) and grid shape (H or T).

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Table 14 - Certified Subcomponents - DDM and BAE with or without Manufacturer-Provided

Stands

DCL Project Number: 94797-2401

Certified Seismic Level: Sds = 2.26g, z/h = 1.0 and 0



Enclosures						
Model Number	Manufacturer	Size	Notes	Material	Weight (lb)	Unit
ENH-BAE0ABFA-MOD515-UUT08	Post Glover	28" x 22" x 41"	NEMA 1 / NEMA 3R / IP23	Mill Galvanized	129	UUT-08A,B
ENH-BAE0ANTZ-MOD515				Mill Galvanized	129	Interpolated
ENH-BAEPANTZ-MOD515				Galvanneal, Painted	129	Interpolated
ENH-BAE0FNTZ-MOD515			IP54 / IP55 / IP56	Mill Galvanized	131	Interpolated
ENH-BAEPFNTZ-MOD515				Galvanneal, Painted	131	Interpolated
ENH-BAEAANTZ-MOD515				304 Stainless Steel	134	Interpolated
ENH-BAEBANTZ-MOD515			NEMA 1 / NEMA 3R / IP23	316 Stainless Steel	134	Interpolated
ENH-BAEAACE0-MOD515-UUT07				304 Stainless Steel	134	UUT-07A,B
ENH-BAEAFNTZ-MOD515			IP54 / IP55 / IP56	304 Stainless Steel	136	Interpolated
ENH-BAEBFNTZ-MOD515				316 Stainless Steel	136	Interpolated
M-ENH-DDM0ABFB-MOD515-UUT06		36" x 36" x 72"	NEMA 1 / NEMA 3R / IP23	Mill Galvanized	396	UUT-06A,B
M-ENH-DDM0ANTZ-MOD515				Mill Galvanized	396	Interpolated
M-ENH-DDMPANTZ-MOD515				Galvanneal, Painted	396	Interpolated
M-ENH-DDM0FNTZ-MOD515			IP54 / IP55 / IP56	Mill Galvanized	400	Interpolated
M-ENH-DDMPFNTZ-MOD515				Galvanneal, Painted	400	Interpolated
M-ENH-DDMAANTZ-MOD515			NEMA 1 / NEMA 3R / IP23	304 Stainless Steel	408	Interpolated
M-ENH-DDMBANTZ-MOD515				316 Stainless Steel	408	Interpolated
M-ENH-DDMAFNTZ-MOD515			IP54 / IP55 / IP56	304 Stainless Steel	412	Interpolated
M-ENH-DDMBFNTZ-MOD515				316 Stainless Steel	412	Interpolated
M-ENH-DDMACCEB-MOD515-UUT05				304 Stainless Steel	412	UUT-05A,B

Current Transformers					
Model Number	Manufacturer	Notes	Material	Weight (lb)	Unit
115-401	GE	600V, Window Type, 4.00" Window, 400:5 Ratio	Carbon Steel, Copper	19	UUT-06A,B
115-XXX		600V, Window Type, 4.00" Window, 50:5 to 3200:5 Ratio		19	Interpolated
114-XXX		600V, Window Type, 3.25" Window, 50:5 to 1600:5 Ratio		22	Interpolated
113-XXX		600V, Window Type, 2.75" Window, 50:5 to 1500:5 Ratio		23	Interpolated
112-101		600V, Window Type, 2.25" Window, 100:5 Ratio		25	UUT-06A,B
112-XXX		600V, Window Type, 2.25" Window, 50:5 to 1200:5 Ratio		25	Interpolated
139-502MR		600V, Window Type, Multi Ratio, 6.50" Window, 500:5 to 5000:5 Ratio		40	Interpolated
139-601MR		600V, Window Type, Multi Ratio, 6.50" Window, 50:5 to 600:5 Ratio		40	UUT-08A,B
CT5200		5kV, Bar Type, 200:5 Ratio	Polyurethane Resin, Carbon Steel, Brass, Copper	30	UUT-07A,B
CT5XXX		5kV, Bar Type, 5:5 to 800:5 Ratio		30	Interpolated
CT15XXX		15kV, Bar Type, 5:5 to 800:5 Ratio		53	Interpolated
CT15200		15kV, Bar Type, 200:5 Ratio		53	UUT-05A,B

Bushings					
Model Number	Manufacturer	Notes	Material	Weight (lb)	Unit
I23	Warco	8.7kV, 196 Amp Constant, NEMA 2 Hole	Porcelain	5	UUT-07A,B; UUT-08A,B
BP8KVFH-196A		8.7kV, 196 Amp Constant, NEMA 4 Hole		5	Interpolated
I28		15kV, 196 Amp Constant, NEMA 2 Hole		7	Interpolated
BP15KVFH-196A		15kV, 196 Amp Constant, NEMA 4 Hole		8	UUT-05A,B; UUT-06A,B

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Table 15 - Certified Subcomponents - DDM and BAE with Manufacturer-Provided Stands



DCL Project Number: 94797-2401

Certified Seismic Level: Sds = 2.26g, z/h = 1.0 and 0

Stands					
Model Number	Manufacturer	Notes	Material	Weight (lb) ¹	Unit
M-ES544648	Post Glover	Elevating Stand, For BAE Enclosure, 54" X 46" X 48"	Mill Galvanized	188	Extrapolated
M-ES544648-PG		Elevating Stand, For BAE Enclosure, 54" X 46" X 48"	Galvanneal, Painted	188	Extrapolated
M-ES544648-304		Elevating Stand, For BAE Enclosure, 54" X 46" X 48"	304 Stainless Steel	190	Extrapolated
M-ES544648-316		Elevating Stand, For BAE Enclosure, 54" X 46" X 48"	316 Stainless Steel	190	Extrapolated
M-ES626048		Elevating Stand, For DDM Enclosure, 62" X 60" X 48"	Mill Galvanized	211	Extrapolated
M-ES626048-PG		Elevating Stand, For DDM Enclosure, 62" X 60" X 48"	Galvanneal, Painted	211	Extrapolated
M-ES626048-304		Elevating Stand, For DDM Enclosure, 62" X 60" X 48"	304 Stainless Steel	213	Extrapolated
M-ES626048-316		Elevating Stand, For DDM Enclosure, 62" X 60" X 48"	316 Stainless Steel	213	Extrapolated
M-ES544660		Elevating Stand, For BAE Enclosure, 54" X 46" X 60"	Mill Galvanized	231	Extrapolated
M-ES544660-PG		Elevating Stand, For BAE Enclosure, 54" X 46" X 60"	Galvanneal, Painted	231	Extrapolated
M-ES544660-304		Elevating Stand, For BAE Enclosure, 54" X 46" X 60"	304 Stainless Steel	233	Extrapolated
M-ES544660-316		Elevating Stand, For BAE Enclosure, 54" X 46" X 60"	316 Stainless Steel	233	Extrapolated
M-ES544672-304		Elevating Stand, For BAE Enclosure, 54" X 46" X 72"	304 Stainless Steel	254	UUT-08B
M-ES544672-PG		Elevating Stand, For BAE Enclosure, 54" X 46" X 72"	Galvanneal, Painted	260	Interpolated
M-ES626060		Elevating Stand, For DDM Enclosure, 62" X 60" X 60"	Mill Galvanized	263	Interpolated
M-ES626060-PG		Elevating Stand, For DDM Enclosure, 62" X 60" X 60"	Galvanneal, Painted	263	Interpolated
M-ES544672-316		Elevating Stand, For BAE Enclosure, 54" X 46" X 72"	316 Stainless Steel	264	Interpolated
M-ES626060-304		Elevating Stand, For DDM Enclosure, 62" X 60" X 60"	304 Stainless Steel	265	Interpolated
M-ES626060-316		Elevating Stand, For DDM Enclosure, 62" X 60" X 60"	316 Stainless Steel	265	Interpolated
M-ES544684		Elevating Stand, For BAE Enclosure, 54" X 46" X 84"	Mill Galvanized	288	Interpolated
M-ES544684-PG		Elevating Stand, For BAE Enclosure, 54" X 46" X 84"	Galvanneal, Painted	288	Interpolated
M-ES544684-304		Elevating Stand, For BAE Enclosure, 54" X 46" X 84"	304 Stainless Steel	291	Interpolated
M-ES544684-316		Elevating Stand, For BAE Enclosure, 54" X 46" X 84"	316 Stainless Steel	291	Interpolated
M-ES626072		Elevating Stand, For DDM Enclosure, 62" X 60" X 72"	Mill Galvanized	302	Interpolated
M-ES626072-PG		Elevating Stand, For DDM Enclosure, 62" X 60" X 72"	Galvanneal, Painted	302	Interpolated
M-ES626072-304		Elevating Stand, For DDM Enclosure, 62" X 60" X 72"	304 Stainless Steel	305	Interpolated
M-ES626072-316		Elevating Stand, For DDM Enclosure, 62" X 60" X 72"	316 Stainless Steel	305	Interpolated
M-ES544696-PG		Elevating Stand, For BAE Enclosure, 54" X 46" X 96"	Galvanneal, Painted	308	Interpolated
M-ES544672		Elevating Stand, For BAE Enclosure, 54" X 46" X 72"	Mill Galvanized	310	UUT-05B
M-ES544696		Elevating Stand, For BAE Enclosure, 54" X 46" X 96"	Mill Galvanized	310	UUT-07B
M-ES544696-304		Elevating Stand, For BAE Enclosure, 54" X 46" X 96"	304 Stainless Steel	311	Interpolated
M-ES544696-316		Elevating Stand, For BAE Enclosure, 54" X 46" X 96"	316 Stainless Steel	311	Interpolated
M-ES626084		Elevating Stand, For DDM Enclosure, 62" X 60" X 84"	Mill Galvanized	331	Interpolated
M-ES626084-PG		Elevating Stand, For DDM Enclosure, 62" X 60" X 84"	Galvanneal, Painted	331	Interpolated
M-ES626084-304		Elevating Stand, For DDM Enclosure, 62" X 60" X 84"	304 Stainless Steel	334	Interpolated
M-ES626084-316		Elevating Stand, For DDM Enclosure, 62" X 60" X 84"	316 Stainless Steel	334	Interpolated
M-ES626096		Elevating Stand, For DDM Enclosure, 62" X 60" X 96"	Mill Galvanized	350	Interpolated
M-ES626096-PG		Elevating Stand, For DDM Enclosure, 62" X 60" X 96"	Galvanneal, Painted	350	Interpolated
M-ES626096-316		Elevating Stand, For DDM Enclosure, 62" X 60" X 96"	316 Stainless Steel	351	Interpolated
M-ES626096-304		Elevating Stand, For DDM Enclosure, 62" X 60" X 96"	304 Stainless Steel	351	UUT-06B

Notes:

1. Tested stand weights were measured at the testing facility, all other stand weights are estimates.

Special Seismic Certification

**Table 16 - Certified Subcomponents - DDM and BAE with or without Manufacturer-Provided Stands
(continued)**

DCL Project Number: 94797-2401

Certified Seismic Level: Sds = 2.26g, z/h = 1.0



Sensing Resistor					
Model Number	Manufacturer	Notes	Material	Weight (lb)	Unit
ER-15	Littelfuse	Max 8400 Volts	Polymer, Copper	6	UUT-08A,B
ER-5KV		Max 2500 Volts		8	UUT-06A,B
Junction Box					
Model Number	Manufacturer	Notes	Material	Weight (lb)	Unit
BN4060604CH	Wiegman	Mounted on side of enclosure	Galvanneal, Painted	5	UUT-08A,B
BN4060604CHSSA			316 Stainless Steel	5	Interpolated
BN4060604CHSS			304 Stainless Steel	5	UUT-07A,B
Insulators					
Model Number	Manufacturer	Notes	Material	Weight (lb)	Unit
I5	Meister International	Stand Off Insulator, 5kV	Porcelain	2	UUT-07A,B;UUT-08A,B
I8		Stand Off Insulator, 8kV		3	UUT-05A,B;UUT-06A,B
I15		Stand Off Insulator, 15kV		5	UUT-05A,B;UUT-06A,B
Other Subcomponents					
Model Number	Manufacturer	Notes	Material	Weight (lb)	Unit
ACH240-250-304	Post Glover	Anti-Condensation Heater, 250W, 240V	304 Stainless Steel	2	UUT-07A,B
ACHXXX-YYY		Anti-Condensation Heater, "YYY"W, "XXX"V	Mill Galvanized	2	Interpolated
ACHXXX-YYY-304		Anti-Condensation Heater, "YYY"W, "XXX"V	304 Stainless Steel	2	Interpolated
ACHXXX-YYY-316		Anti-Condensation Heater, "YYY"W, "XXX"V	316 Stainless Steel	2	Interpolated
ACH480-1000-316		Anti-Condensation Heater, 920W/1000W, 460V/480V	316 Stainless Steel	4	Interpolated
ACH480-1000-304		Anti-Condensation Heater, 920W/1000W, 460V/480V	304 Stainless Steel	4	UUT-05A,B
ENH-CP-DD0-XX	Post Glover	Component Mounting Panel, For IP54 / IP55 / IP56 Enclosure	Mill Galvanized	15	Extrapolated
ENH-CP-DOB-XX		Component Mounting Panel, For IP54 / IP55 / IP56 Enclosure	316 Stainless Steel	15	Same As Tested
ENH-CP-DDA-XX		Component Mounting Panel, For IP54 / IP55 / IP56 Enclosure	304 Stainless Steel	15	UUT-05A,B

BY: Timothy J. Piland

DATE: 10/10/2025



Special Seismic Certification

Table 17 - Certified Subcomponents - DDM and BAE with or without Manufacturer-Provided Stands (continued)

DCL Project Number: 94797-2401



Certified Seismic Level: Sds = 2.26g, z/h = 1.0

Resistor Banks, Wirewound (For Components with or without Manufacturer-Provided Stands)							
Model Number	Manufacturer	Frame Material	Number of Wirewounds	Wire Material	Wire Thickness (Gauge)	Weight per Wirewound Assembly (lb)	Unit
FDL120000-UR	Post Glover	Mill Galvanized, 304 Stainless Steel	10	Chromium Alloy	23	2	UUT-08A,B
FDL120000-UR			30		23	2	UUT-05A,B ¹
FDLXXX		Mill Galvanized, 304 SS, 316 SS	2 to 60		13 to 23	2	Interpolated
FDL3000-UR		Mill Galvanized, 304 Stainless Steel	10		13	2	UUT-08A,B
FDL3000-UR			30		13	2	UUT-05A,B ¹

Resistor Banks, Grid (For Components without Manufacturer-Provided Stands)							
Model Number	Manufacturer	Frame Material	Grid Width (mm)	Number of Banks ²	Grid Thickness (Gauge)	Weight per Bank (lb)	Unit
BNU5C240-48D1-D	Post Glover	Mill Galvanized	117.5	1	24 GA	49	UUT-06A ³
BNU5B240-XDXX-D		Mill Galvanized, 304 SS, 316 SS	117.5	1 to 6	24 GA	49	Interpolated
BNU5B20X-XDXX-D		Mill Galvanized, 304 SS, 316 SS	117.5		20 GA	57	Interpolated
BNU5B14X-XDXX-D		Mill Galvanized, 304 SS, 316 SS	117.5		14 GA	84	Interpolated
BNU5C140-D		Mill Galvanized	117.5	1	14 GA	84	UUT-06A ³
BNH4B200-6D12-DHV		Mill Galvanized	235	1	20 GA	46	UUT-06A ³
BNH4B140-6D18		304 Stainless steel	235	1	14 GA	80	UUT-07A
BNH4B20X-XDXX		Mill Galvanized, 304 SS, 316 SS	235	1 to 3	20 GA	43	Interpolated
BNH4B20X-XDXX-DHV		Mill Galvanized, 304 SS, 316 SS	235		20 GA	46	Interpolated
BNH4B14X-XDXX		Mill Galvanized, 304 SS, 316 SS	235		14 GA	80	Interpolated
BNH4B14X-XDXX-DHV		Mill Galvanized, 304 SS, 316 SS	235		14 GA	93	Interpolated
BNH4B140-6D80-DHV		Mill Galvanized	235	3	14 GA	93	UUT-06A ³

Resistor Banks, Grid (For Components with Manufacturer-Provided Stands) ⁴							
Model Number	Manufacturer	Frame Material ⁵	Grid Width (mm)	Number of Banks ²	Grid Thickness (Gauge)	Weight per Bank (lb)	Unit
BNU5C240-48D1-D	Post Glover	Mill Galvanized	117.5	1	24 GA	49	UUT-06B ³
BNU5B240-XDXX-D		Mill Galvanized, 304 SS, 316 SS	117.5	1 to 6	24 GA	49	Interpolated
BNU5B20X-XDXX-D		Mill Galvanized, 304 SS, 316 SS	117.5		20 GA	57	Interpolated
BNU5B14X-XDXX-D		Mill Galvanized, 304 SS, 316 SS	117.5		14 GA	84	Interpolated
BNU5C140-D		Mill Galvanized	117.5	1	14 GA	84	UUT-06B ³
BNH4B200-6D12-DHV		Mill Galvanized	235	1	20 GA	46	UUT-06B ³
BNH4B20X-XDXX		Mill Galvanized, 304 SS, 316 SS	235	1 to 3	20 GA	43	Interpolated
BNH4B20X-XDXX-DHV		Mill Galvanized, 304 SS, 316 SS	235		20 GA	46	Interpolated
BNH4B14X-XDXX-DHV		Mill Galvanized, 304 SS, 316 SS	235		14 GA	93	Interpolated
BNH4B140-6D80-DHV		Mill Galvanized	235	3	14 GA	93	UUT-06B ³

Note:

1. Thirty wirewounds of each gauge wire are tested in UUT-05A,B to add up to a total of sixty wirewounds
2. The three 235 mm banks as tested in UUT-06A,B is the same application as six 117.5 mm banks.
3. Two 235 mm grid width resistor banks were tested UUT-06A,B (at the maximum/minimum height for this width grid bank). A 117.5 mm resistor was tested seated above the other banks in UUT-06A,B (positioned approx. 90 mm above the maximum height for this width grid bank). A second 117.5 mm resistor was position mid-stack.
4. For Components with Manufacturer-Provided Stands the grid style resistor is only allowed in the DDM enclosure.
5. Stainless steel frame material bookended by those tested in UUT-05B.

Special Seismic Certification

Table 18 - Tested Units



DCL Project Number: 94797-2401

Manufacturer: Post Glover Resistors, Inc.

Product Line: Neutral Grounding Device

Certified Product Construction: NEMA 3R/IP23 Galvanized Carbon Steel or Stainless Steel and NEMA 1 / NEMA 3R / IP23, IP54 / IP55 / IP56 Galvanized Carbon Steel, 304 or 316 Stainless Steel

Factors for Force Amplification and Structure Ductility Reduction: $H_f = 3.5$ at $z/h=1.0$; 1.0 at $z/h=0$ and $R_d = 1.3$ at $z/h=1.0$; 1.0 at $z/h=0$

Model	Seismically Braced Enclosure	Mounting	Dimensions (in)			Weight (lb)	Certified Sds (g), at $z/h = 1.0$ & 0.0	Unit
			Length	Width	Height			
NU-NGD10C360-GGGAA01LA	Yes	Rigid Base Mounted	48.0	48.0	48.0	1,230	2.40 & 2.50	UUT-01A
NU-NG013C019-GGGAA01LA	Yes					1,070	2.40 & 2.50	UUT-02A
NU-NG049C1D3-GGG0A01DA	Yes					750	2.40 & 2.50	UUT-03A
NU-NGD27C030-GGG0A01JA	Yes					720	2.40 & 2.50	UUT-04A
MU-NGD10C360-GGGAA01LA	No		48.0	48.0	48.0	1,060	2.26	UUT-01B
MU-NG013C019-GGGAA01LA	No					920	2.26	UUT-02B
MU-NG049C1D3-GGG0A01DA	No					620	2.26	UUT-03B
MU-NGD27C030-GGG0A01JA	No					580	2.26	UUT-04B
M-NG080A2D0-DDMACCEGB-UUT05	No	Rigid Base Mounted	38.0	38.0	72.0	614	2.26	UUT-05A
M-NG080A2D0-DDMACCEGB-UUT05	No	Base Mounted with Manufacturer-Provided Stand	62.0	62.0	144.0	924	2.26	UUT-05B
M-NG080A130-DDM0ABFX0-UUT06	No	Rigid Base Mounted	38.0	38.0	72.0	721	2.26	UUT-06A
M-NG080A130-DDM0ABFX0-UUT06	No	Base Mounted with Manufacturer-Provided Stand	62.5	62.0	168.0	1071	2.26	UUT-06B
M-NG024A400-BAEAACEG0-UUT07	No	Rigid Base Mounted	24.0	29.6	41.0	250	2.26	UUT-07A
M-NG024A400-BAEAACEG0-UUT07	No	Base Mounted with Manufacturer-Provided Stand	46.0	54.0	137.0	560	2.26	UUT-07B
M-NG024A2D0-BAE0ABFGA-UUT08	No	Rigid Base Mounted	24.0	29.6	41.0	200	2.26	UUT-08A
M-NG024A2D0-BAE0ABFGA-UUT08	No	Base Mounted with Manufacturer-Provided Stand	46.0	54.0	112.5	454	2.26	UUT-08B

UNIT UNDER TEST (UUT) Summary Sheet



UUT-01A

DCL Test Report Number: 65743-1001

Test Date: 1/24/11 - 1/24/11

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: NU-NGD10C360-GGGAA01LA

Product Construction Summary:

NEMA 3R / IP23 Enclosure, Stainless Steel (enclosure seismically braced)

Options / Component Summary:

Tested unit contained four A3 resistor grids (90A-185A), 5kV and 15kV insulators, standoff insulators, NEMA 4X junction box, and multi-ratio current transformer.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,230	48.0	48.0	48.0	19.7	18.6	25.6

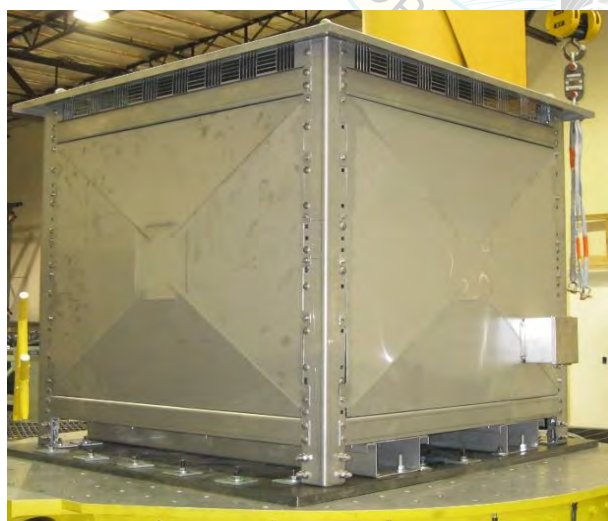
Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.50	1.0	3.5	1.3	1.5	4.00	2.69	N/A	N/A
		2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

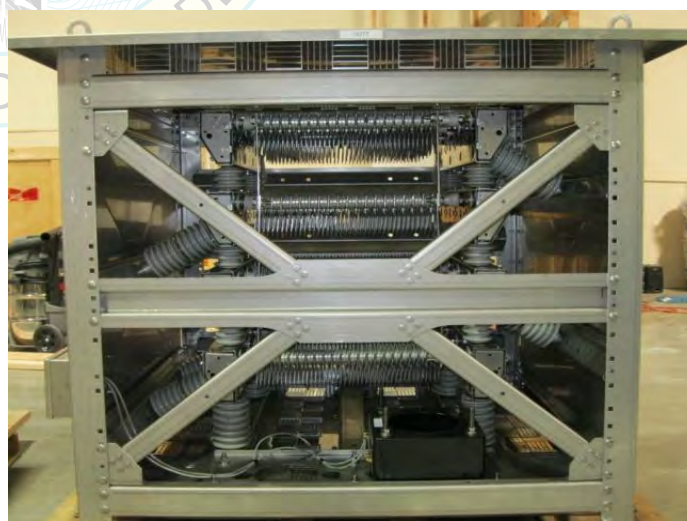
Unit Mounting Description:

The unit was rigidly mounted to the shake table using the factory-mounted brackets and forklift tubes. A total of (12) 1/2" A307 bolts were used, one on each corner, and eight bolts through the manufacturer-provided fork-lift tubes.

DATE: 10/10/2025



UUT-01A overall view.



UUT-01A interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-02A

DCL Test Report Number: 65743-1001

Test Date: 1/24/11 - 1/24/11

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: NU-NG013C019-GGAA01LA

Product Construction Summary:

NEMA 3R / IP23 Enclosure, Stainless Steel (enclosure seismically braced)

Options / Component Summary:

Tested unit contained four wirewound A3 11A resistor grids, 5kV and 15kV insulators, standoff insulators, NEMA 4X junction box, and multi-ratio current transformer

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,070	48.0	48.0	48.0	26.7	26.4	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.40	1.0	3.5	1.3	1.5	3.84	2.88	N/A	N/A
		2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

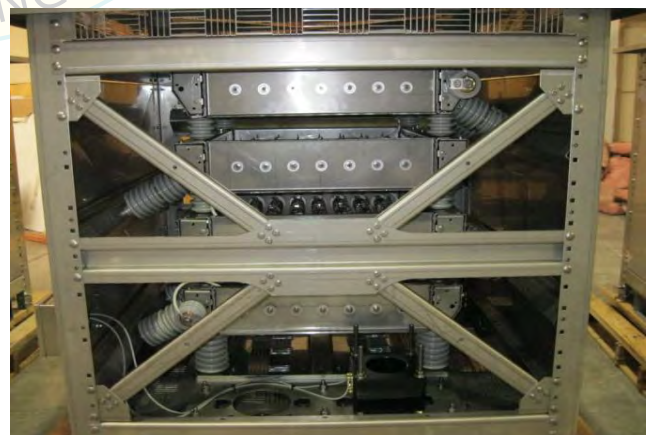
Unit Mounting Description:

The unit was rigidly mounted to the shake table using the factory-mounted brackets and forklift tubes. A total of (12) 1/2" A307 bolts were used, one on each corner, and eight bolts through the manufacturer-provided fork-lift tubes.

DATE: 10/10/2025



UUT-02A overall view.



UUT-02A interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-03A

DCL Test Report Number: 65743-1001

Test Date: 1/24/11 - 1/24/11

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: NU-NG049C1D3-GGG0A01DA

Product Construction Summary:

NEMA 3R / IP23 Enclosure, Mill Galvanized Carbon Steel (enclosure not seismically braced)

Options / Component Summary:

Tested unit contained one wirewound A3 1.6A resistor grid, 5kV and 15kV insulators, standoff insulators, NEMA 4X junction box, and multi-ratio current transformer

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
750	48.0	48.0	48.0	>33.3	>33.3	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.50	1.0	3.5	1.3	1.5	4.00	2.69	N/A	N/A
		2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

Unit Mounting Description:

The unit was rigidly mounted to the shake table using the factory-mounted brackets and forklift tubes. A total of (12) 1/2" A307 bolts were used, one on each corner, and eight bolts through the manufacturer-provided fork-lift tubes.

DATE: 10/10/2025



UUT-03A overall view.



UUT-03A interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-04A

DCL Test Report Number: 65743-1001

Test Dates: 1/24/11 - 1/28/11

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: NU-NGD27C030-GGG0A01JA

Product Construction Summary:

NEMA 3R / IP23 Enclosure, Mill Galvanized Carbon Steel (Seismically Braced Enclosure)

Options / Component Summary:

Tested unit contained one A1 30A resistor grid, 15kV insulators, standoff insulators, NEMA 4X junction box, and multi-ratio current transformer

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
720	48.0	48.0	48.0	>33.3	>33.3	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.50	1.0	3.5	1.3	1.5	4.00	2.69	N/A	N/A
		2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

Unit Mounting Description:

The unit was rigidly mounted to the shake table using the factory-mounted brackets and forklift tubes. A total of (12) 1/2" A307 bolts were used, one on each corner, and eight bolts through the manufacturer-provided fork-lift tubes.

DATE: 10/10/2025



UUT-04A overall view.



UUT-04A interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-01B

DCL Test Report Number: 65743-1001

Test Date: 1/24/11 - 1/24/11

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: MU-NGD10C360-GGGAA01LA

Product Construction Summary:

NEMA 3R / IP23 Enclosure, Stainless Steel (enclosure not seismically braced)

Options / Component Summary:

Tested unit contained four A3 resistor grids (90A-185A), 5kV and 15kV insulators, standoff insulators, NEMA 4X junction box, and multi-ratio current transformer.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,060	48.0	48.0	48.0	15.1	7.3	24.2

Seismic Test Parameters

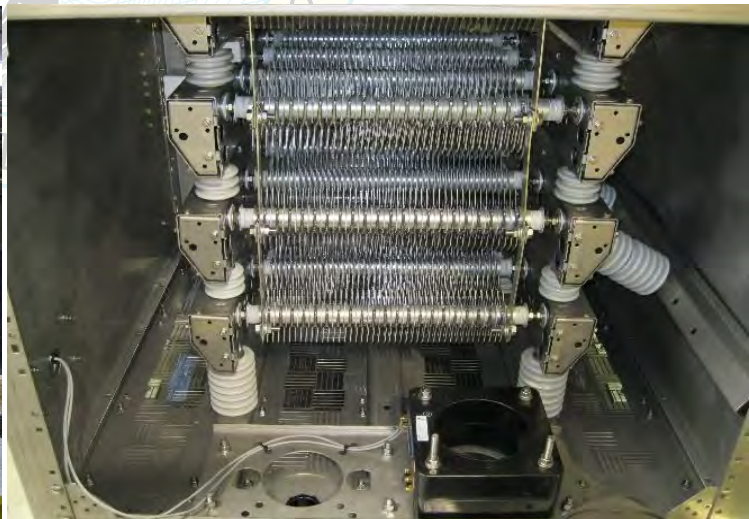
Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

The unit was rigidly mounted to the shake table using the factory-mounted brackets. A total of (4) 1/2" A307 bolts were used, one on each corner.



UUT-01B overall view.



UUT-01B interior view.

UUT-01B is UUT-01A with seismic bracing removed and number of insulators reduced.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-02B

DCL Test Report Number: 65743-1001

Test Date: 1/24/11 - 1/24/11

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: MU-NG013C019-GGGAA01LA

Product Construction Summary:

NEMA 3R / IP23 Enclosure, Stainless Steel (enclosure not seismically braced)

Options / Component Summary:

Tested unit contained four wirewound A3 11A resistor grids, 5kV and 15kV insulators, standoff insulators, NEMA 4X junction box, and multi-ratio current transformer

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
920	48.0	48.0	48.0	18.4	19.7	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

The unit was rigidly mounted to the shake table using the factory-mounted brackets. A total of (4) 1/2" A307 bolts were used, one on each corner.



UUT-02B overall view (panel replaced before test).



UUT-02B interior view.

UUT-02B is UUT-02A with seismic bracing removed and number of insulators reduced (Side panels removed to photograph interior).

UNIT UNDER TEST (UUT) Summary Sheet



UUT-03B

DCL Test Report Number: 65743-1001

Test Date: 1/24/11 - 1/24/11

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: MU-NG049C1D3-GGG0A01DA

Product Construction Summary:

NEMA 3R / IP23 Enclosure, Mill Galvanized Carbon Steel (enclosure not seismically braced)

Options / Component Summary:

Tested unit contained four wirewound A3 11A resistor grids, 5kV and 15kV insulators, standoff insulators, NEMA 4X junction box, and multi-ratio current transformer

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
620	48.0	48.0	48.0	>33.3	>33.3	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

The unit was rigidly mounted to the shake table using the factory-mounted brackets. A total of (4) 1/2" A307 bolts were used, one on each corner.



UUT-03B overall view (panel replaced before test).



UUT-03B interior view.

UUT-03B is UUT-03A with seismic bracing removed and number of insulators reduced (Side panels removed to photograph interior).

UNIT UNDER TEST (UUT) Summary Sheet



UUT-04B

DCL Test Report Number: 65743-1001

Test Date: 1/24/11 - 1/24/11

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: MU-NGD27C030-GGG0A01JA

Product Construction Summary:

NEMA 3R / IP23 Enclosure, Mill Galvanized Carbon Steel (enclosure not seismically braced)

Options / Component Summary:

Tested unit contained one A1 30A resistor grid, 15kV insulators, standoff insulators, NEMA 4X junction box, and multi-ratio current transformer

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
580	48.0	48.0	48.0	20.3	18.0	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

The unit was rigidly mounted to the shake table using the factory-mounted brackets. A total of (4) 1/2" A307 bolts were used, one on each corner.



UUT-04B overall view.



UUT-04B interior view.

UUT-04B is UUT-04A with seismic bracing removed and number of insulators reduced (Side panels removed to photograph interior).

UNIT UNDER TEST (UUT) Summary Sheet



UUT-05A

DCL Test Report Number: 94797-2401b, Testing performed at University of Nevada, Reno

Test Date: 7/28/25 – 7/29/25

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: M-NG080A2D0-DDMACCEGB-UUT05

Product Construction Summary: IP54 / IP55 / IP56 Enclosure, 304 Stainless Steel (without Manufacturer-Provided Stand)

Options / Component Summary: Tested unit contained a current transformer, bushings, insulators, wirewound resistor banks.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Length	Width	Height	Front-Back (Lateral)	Side-Side (Longitude)	Vertical
614	38.0	38.0	72.0	18.00	20.50	32.50

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _r	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

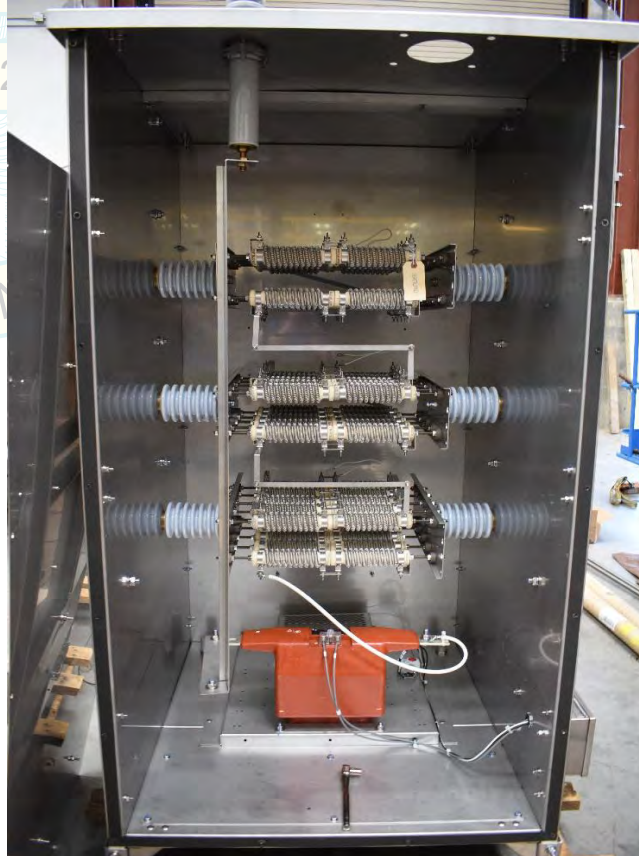
Unit Mounting Description:

UUT-05A was rigidly attached to UNR shake table interface plates using (8) ½" Grade 5 bolts and manufacturer-provided flat washers. The bolts were spaced 35 ¼" apart in the lengthwise direction measured on-center and 3", 27" and 3" apart in widthwise direction measured on-center.

BY: Timothy J. Piland



UUT-05A overall view.



UUT-05A interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-05B

DCL Test Report Number: 94797-2401b, Testing performed at University of Nevada, Reno

Test Date: 7/28/25 – 7/29/25

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number (Unit / Manufacturer-Provided Stand): M-NG080A2D0-DDMACCEGB-UUT05 / M-ES544672

Product Construction Summary: IP54 / IP55 / IP56 Enclosure, 304 Stainless Steel (with Manufacturer-Provided Stand)

Options / Component Summary: Tested unit contained a current transformer, bushings, insulators, wirewound resistor banks and was mounted on a Mill Galvanized Carbon Steel Manufacturer-Provided Stand.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Length	Width	Height	Front-Back (Lateral)	Side-Side (Longitude)	Vertical
924	62.0	62.0	144.0	12.00	9.75	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _i	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

UUT-05B was rigidly mounted on the manufacturer-provided stand using the same mounting patterns as UUT-05A. The stand used for UUT-05B was rigidly mounted to UNR shake table interface plates using (8) ½" Grade 5 bolts and manufacturer-provided flat washers in total. The stand's mounting consisted of an inner and an outer rectangle each connecting to the shake table interface plates using (4) ½" Grade bolts and manufacturer-provided flat washers. The bolts on the inner rectangle were spaced 35" apart in lengthwise direction measured on-center and 33" apart in widthwise direction measured on-center. The bolts on the outer rectangle were spaced 59 ½" apart in lengthwise direction measured on-center and 59 ¼" apart in widthwise direction measured on-center.



UUT-05B overall view.



UUT-05B interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-06A

DCL Test Report Number: 94797-2401b, Testing preformed at University of Nevada, Reno

Test Date: 7/28/25 – 7/29/25

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: M-NG080A130-DDM0ABFX0-UUT06

Product Construction Summary: NEMA 1 / NEMA 3R / IP23 Enclosure, Mill Galvanized Carbon Steel (without Manufacturer-Provided Stand)

Options / Component Summary: Tested unit contained current transformers, bushings, insulators, grid resistor banks.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

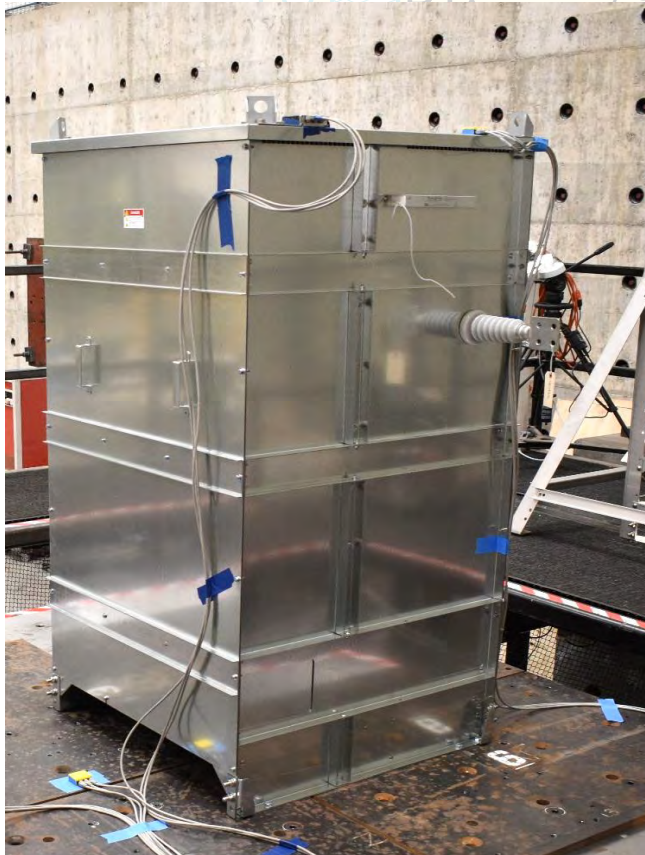
Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Length	Width	Height	Front-Back (Lateral)	Side-Side (Longitude)	Vertical
721	38.0	38.0	72.0	13.25	>33.3	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _r	R _p	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

UUT-06A was rigidly attached to UNR shake table interface plates using (8) ½" Grade 5 bolts and manufacturer-provided flat washers. The bolts were spaced 35 ¼" apart in the lengthwise direction measured on-center and 3", 27" and 3" apart in widthwise direction measured on-center.



UUT-06A overall view.



UUT-06A interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-06B

DCL Test Report Number: 94797-2401b, Testing performed at University of Nevada, Reno

Test Date: 7/28/25 – 7/29/25

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number (Unit / Manufacturer-Provided Stand): M-NG080A130-DDM0ABFX0-UUT06 / M-ES626096-304

Product Construction Summary: NEMA 1 / NEMA 3R / IP23 Enclosure, Mill Galvanized Carbon Steel (with Manufacturer-Provided Stand)

Options / Component Summary: Tested unit contained current transformers, bushings, insulators, grid resistor banks and was mounted on a 304 Stainless Steel Manufacturer-Provided Stand.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Length	Width	Height	Front-Back (Lateral)	Side-Side (Longitude)	Vertical
1,072	63	62	168	8.75	7.75	>33.3

Seismic Test Parameters

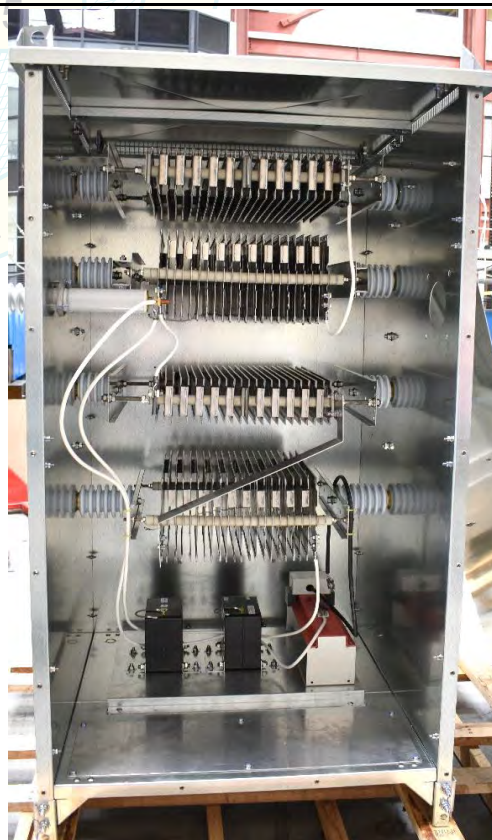
Building Code	Test Criteria	Sds (g)	z/h	H _r	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

UUT-06B was rigidly mounted on the manufacturer-provided stand using the same mounting patterns as UUT-06A. The stand used for UUT-06B was rigidly mounted to UNR shake table interface plates using (8) ½" Grade 5 bolts and manufacturer-provided flat washers in total. The stand's mounting consisted of an inner and an outer rectangle each connecting to the shake table interface plates using (4) ½" Grade bolts and manufacturer-provided flat washers. The bolts on the inner rectangle were spaced 35" apart in lengthwise direction measured on-center and 33" apart in widthwise direction measured on-center. The bolts on the outer rectangle were spaced 59 ½" apart in lengthwise direction measured on-center and 59 ¼" apart in widthwise direction measured on-center.



UUT-06B overall view.



UUT-06B interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-07A

DCL Test Report Number: 94797-2401b, Testing performed at University of Nevada, Reno

Test Date: 7/28/25 – 7/29/25

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: M-NG024A400-BAEAACEG0-UUT07

Product Construction Summary: NEMA1 / NEMA 3R / IP23 Enclosure, 304 Stainless Steel (without Manufacturer-Provided Stand)

Options / Component Summary: Tested unit contained a current transformer, bushings, insulators, grid resistor banks.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Length	Width	Height	Front-Back (Lateral)	Side-Side (Longitude)	Vertical
250	24.0	29.6	41.0	10.25	>33.3	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

UUT-07A was rigidly attached to UNR shake table interface plates using (4) ½" Grade 5 bolts and manufacturer-provided flat washers. The bolts were spaced 27" apart in the lengthwise direction measured on-center and 19" apart in widthwise direction measured on-center

BY: Timothy J. Piland



UUT-07A overall view.



UUT-07A interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-07B

DCL Test Report Number: 94797-2401b, Testing performed at University of Nevada, Reno

Test Date: 7/28/25 – 7/29/25

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number (Unit / Manufacturer-Provided Stand): M-NG024A400-BAEAACEG0-UUT07 / M-ES544696

Product Construction Summary: NEMA1 / NEMA 3R / IP23 Enclosure, 304 Stainless Steel (with Manufacturer-Provided Stand)

Options / Component Summary: Tested unit contained a current transformer, bushings, insulators, grid resistor banks and was mounted on a Mill Galvanized Carbon Steel Manufacturer-Provided Stand.

Note: The UUT was operational before and partially operational after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Length	Width	Height	Front-Back (Lateral)	Side-Side (Longitude)	Vertical
560	46.0	54.0	137.0	9.25	9.75	32.00

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _i	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

UUT-07B was rigidly mounted on the manufacturer-provided stand using the same mounting patterns as UUT-07A. The stand used for UUT-07B was rigidly mounted to UNR shake table interface plates using (8) ½" Grade 5 bolts and manufacturer-provided flat washers in total. The stand's mounting consisted of an inner and an outer rectangle each connecting to the shake table interface plates using (4) ½" Grade bolts and manufacturer-provided flat washers. The bolts on the inner rectangle were spaced 27" apart in lengthwise direction measured on-center and 19" apart in widthwise direction measured on-center. The bolts on the outer rectangle were spaced 51 ¼" apart in lengthwise direction measured on-center and 43" apart in widthwise direction measured on-center.

Post-Test Anomaly: The resistor did not pass the HiPot test, and thus is excluded from the OSP. The unit passed all other functionality criteria.



UUT-07B overall view.



UUT-07B interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-08A

DCL Test Report Number: 94797-2401b, Testing performed at University of Nevada, Reno

Test Date: 7/28/25 – 7/29/25

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number: M-NG024A2D0-BAE0ABFGA-UUT08

Product Construction Summary: NEMA1 / NEMA 3R / IP23 Enclosure, Mill Galvanized Carbon Steel (without Manufacturer-Provided Stand)

Options / Component Summary: Tested unit contained a current transformer, bushings, insulators, wirewound resistor banks.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Length	Width	Height	Front-Back (Lateral)	Side-Side (Longitude)	Vertical
200	24.0	29.6	41.0	14.25	32.75	>33.3

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _r	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

UUT-08A was rigidly attached to UNR shake table interface plates using (4) ½" Grade 5 bolts and manufacturer-provided flat washers. The bolts were spaced 27" apart in the lengthwise direction measured on-center and 19" apart in widthwise direction measured on-center



UUT-08A overall view.



UUT-08A interior view.

UNIT UNDER TEST (UUT) Summary Sheet



UUT-08B

DCL Test Report Number: 94797-2401b, Testing performed at University of Nevada, Reno

Test Date: 7/28/25 – 7/29/25

Manufacturer: Post Glover Resistors, Inc

Product Line: Neutral Grounding Device

Model Number (Unit / Manufacturer-Provided Stand): M-NG024A2D0-BAE0ABFGA-UUT08 / M-ES544672-304

Product Construction Summary: NEMA1 / NEMA 3R / IP23 Enclosure, Mill Galvanized Carbon Steel (with Manufacturer-Provided Stand)

Options / Component Summary: Tested unit contained a current transformer, bushings, insulators, wirewound resistor banks and was mounted on a 304 Stainless Steel Manufacturer-Provided Stand.

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

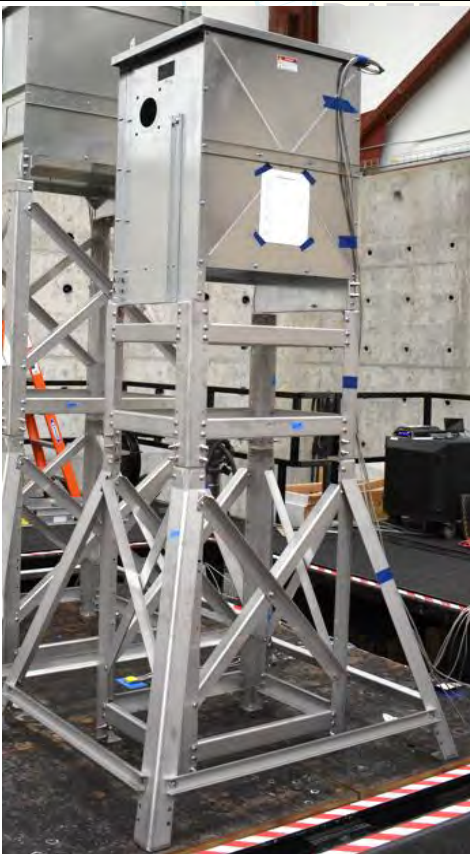
Operating Weight (lb)	Dimensions (inches)			Lowest Natural Frequency (Hz)		
	Length	Width	Height	Front-Back (Lateral)	Side-Side (Longitude)	Vertical
454	46.0	54.0	112.5	11.50	14.25	>33.3

Seismic Test Parameters

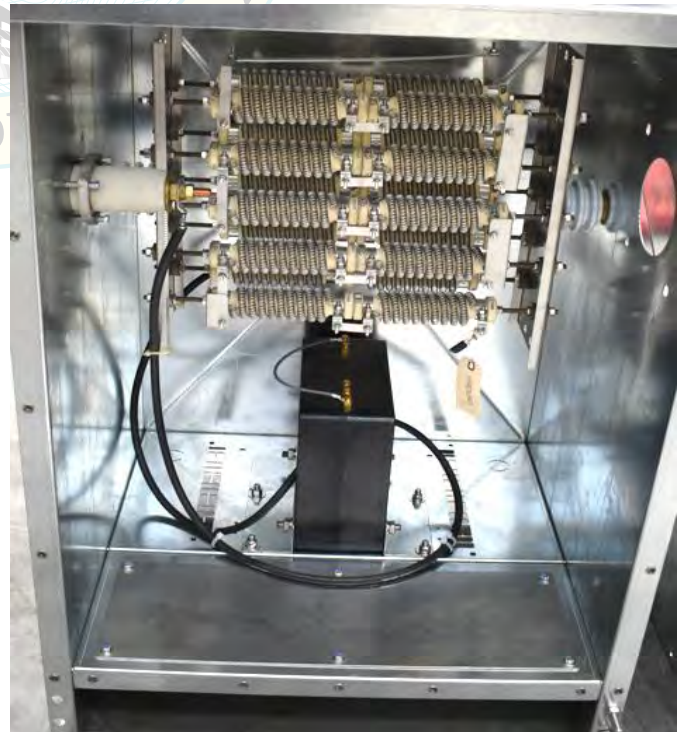
Building Code	Test Criteria	Sds (g)	z/h	H _i	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156	2.26	1.0	3.5	1.3	1.5	3.62	2.43	N/A	N/A
		2.26	0.0	1.0	1.0		N/A	N/A	1.51	0.60

Unit Mounting Description:

UUT-08B was rigidly mounted on the manufacturer-provided stand using the same mounting patterns as UUT-08A. The stand used for UUT-08B was rigidly mounted to UNR shake table interface plates using (8) ½" Grade 5 bolts and manufacturer-provided flat washers in total. The stand's mounting consisted of an inner and an outer rectangle each connecting to the shake table interface plates using (4) ½" Grade bolts and manufacturer-provided flat washers. For the stand used for the testing of UUT-08B, the bolts on the inner rectangle were spaced 27" apart in lengthwise direction measured on-center and 19" apart in widthwise direction measured on-center. The bolts on the outer rectangle were spaced 51 ¼" apart in lengthwise direction measured on-center and 43" apart in widthwise direction measured on-center.

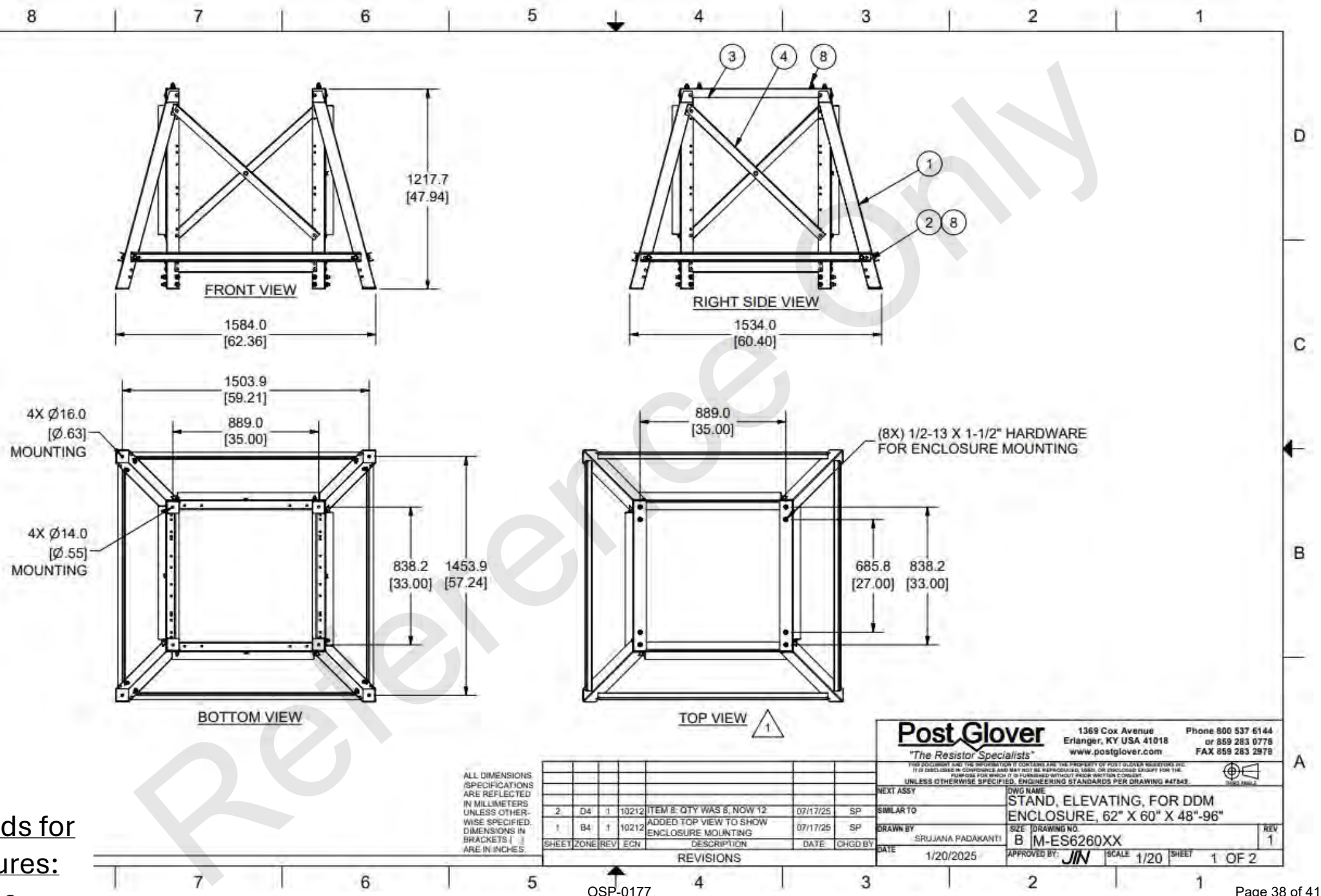


UUT-08B overall view.



UUT-08B interior view.

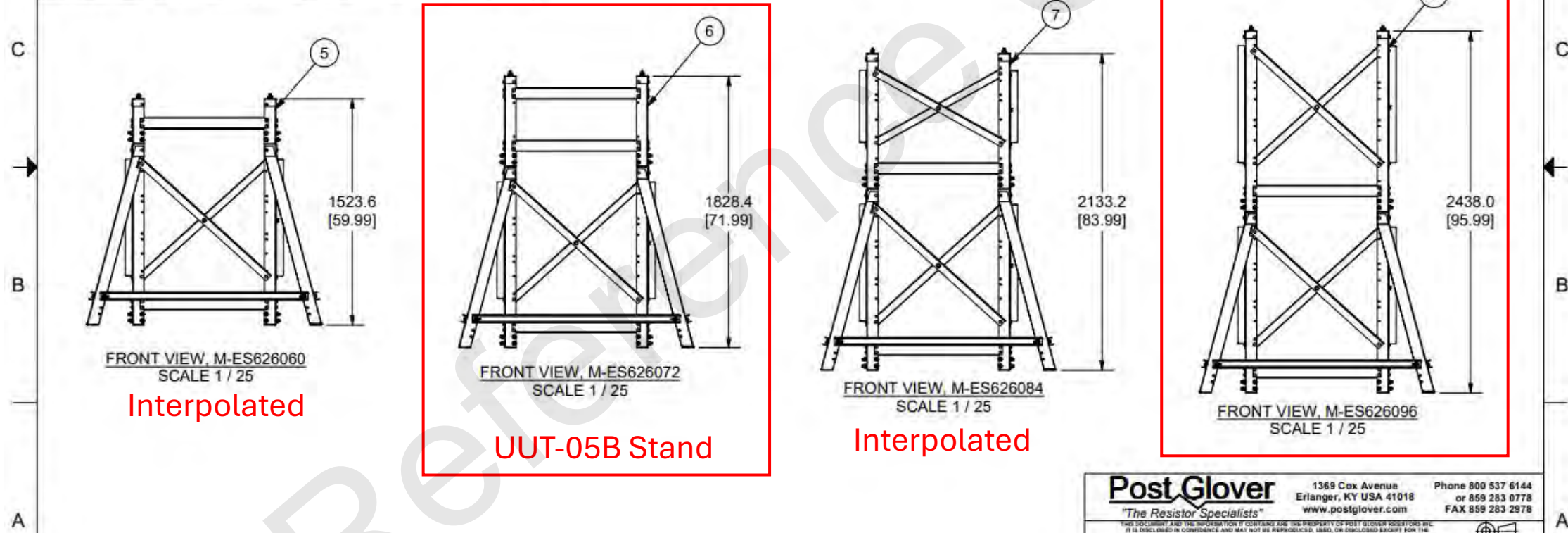
Elevating Stands for
DDM Enclosures:
Stand base



PART NUMBER DESIGNATION			
PART NUMBER	MATERIAL DESCRIPTION	ITEMS 1-7 SUFFIX	ITEM 8 "X"
M-ES6260XX	MILL GALVANIZED STEEL	(NONE)	S
M-ES6260XX-304	304 STAINLESS STEEL	-304	S
M-ES6260XX-316	316 STAINLESS STEEL	-316	6
M-ES6260XX-PG	GALVANNEAL STEEL	-PG	S

STACKING CONFIGURATOR, BOM QTY				
PART NUMBER	ITEM 4 QTY	ITEM 5 QTY	ITEM 6 QTY	ITEM 7 QTY
M-ES626048	1	0	0	0
M-ES626060	1	1	0	0
M-ES626072	1	0	1	0
M-ES626084	1	0	0	1
M-ES626096	2	0	0	0

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	M-CU48-DDM	CORNER UPRIGHT, 48", SEISMIC ELEVATING STAND
2	4	CH55D	CHANNEL, ELEVATING STAND SUPPORT, 55" LONG
3	2	ES36TC	TOP CHANNEL, ELEVATING STAND, 36", SEISMIC
4	SEE TABLE	ES383648	STAND, ELEVATING, 38" X 36" X 48", FOR DDM
5	SEE TABLE	ES383612	STAND, ELEVATING, 38" X 36" X 12", FOR DDM
6	SEE TABLE	ES383624	STAND, ELEVATING, 38" X 36" X 24", FOR DDM
7	SEE TABLE	ES383636	STAND, ELEVATING, 38" X 36" X 36", FOR DDM
8	12	HKHH150X-F-FLH	KIT, HARDWARE, HEX, FULL THREAD, 1/2-13 X 1 1/2", FLAT, PANEL, FLAT, LOCK, FULL HEX NUT



Elevating Stands for
DDM Enclosures:
Stand heights
10/10/2025

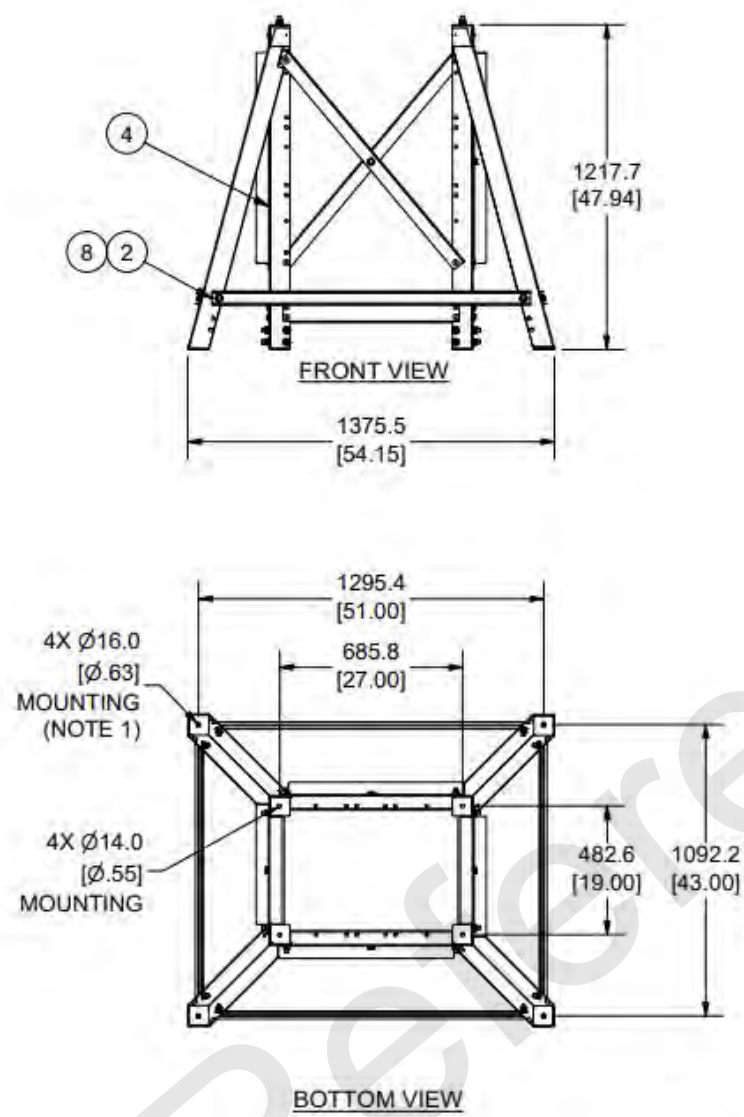
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Erlanger, KY USA 41018
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Phone 800 537 6144
or 859 283 0778
FAX 859 283 2978

NEXT ASSY	DWG NAME	REV
SIMILAR TO	STAND, ELEVATING, FOR DDM ENCLOSURE, 62" X 60" X 48"-96"	1
DRAWN BY	SIZE	DRAWING NO.
DATE	1/20/2025	B M-ES6260XX
APPROVED BY:	JIN	SCALE 1/20 SHEET

Elevating Stands for
BAE Enclosures:
Stand base

10/10/2025



ALL DIMENSIONS
SPECIFICATIONS
ARE REFLECTED
IN MILLIMETERS
UNLESS OTHER-
WISE SPECIFIED.
DIMENSIONS IN
BRACKETS []
ARE IN INCHES.

SHEET	ZONE	REV	ECN	DESCRIPTION	DATE	CHGD BY
OSP-0177				REVISIONS		

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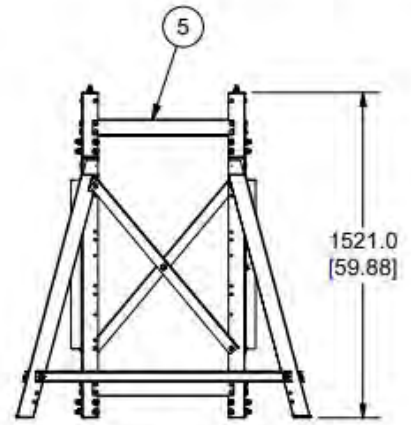
DWG NAME
STAND, ELEVATING, FOR BAE
ENCLOSURE, 54" X 46" X 48"-96"
SIZE [DRAWING NO.]
B M-ES5446XX
APPROVED BY: JIN
SCALE 1/20
SHEET 10 of 41

DATE 2/6/2025
DRAWN BY SRUJANA PADAKANTI
REV 0

PART NUMBER DESIGNATION			
PART NUMBER	MATERIAL DESCRIPTION	ITEMS 1-7 SUFFIX	ITEM 8 "X"
M-ES5446XX	MILL GALVANIZED STEEL	(NONE)	S
M-ES5446XX-304	304 STAINLESS STEEL	-304	S
M-ES5446XX-316	316 STAINLESS STEEL	-316	6
M-ES5446XX-PG	GALVANNEAL STEEL	-PG	S

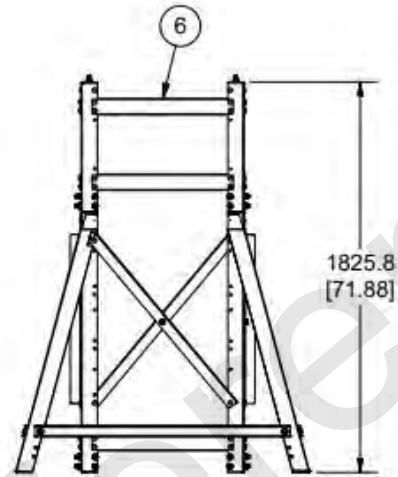
STACKING CONFIGURATOR, BOM QTY				
PART NUMBER	ITEM 4 QTY	ITEM 5 QTY	ITEM 6 QTY	ITEM 7 QTY
M-ES544648	1	0	0	0
M-ES544660	1	1	0	0
M-ES544672	1	0	1	0
M-ES544684	1	0	0	1
M-ES544696	2	0	0	0

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	M-CU48-BAE	CORNER UPRIGHT, 48", SEISMIC ELEVATING STAND
2	2	CH47D	CHANNEL, ELEVATING STAND SUPPORT, 47" LONG
3	2	CH39D	CHANNEL, ELEVATING STAND SUPPORT, 39" LONG
4	SEE TABLE	ES302248	STAND, ELEVATING, 30" X 22" X 48"
5	SEE TABLE	ES302212	STAND, ELEVATING, 30" X 22" X 12"
6	SEE TABLE	ES302224	STAND, ELEVATING, 30" X 22" X 24"
7	SEE TABLE	ES302236	STAND, ELEVATING, 30" X 22" X 36"
8	8	HKHH150X-F-FLH	KIT, HARDWARE, HEX, FULL THREAD, 1/2-13 X 1 1/2", FLAT, PANEL, FLAT, LOCK, FULL HEX NUT



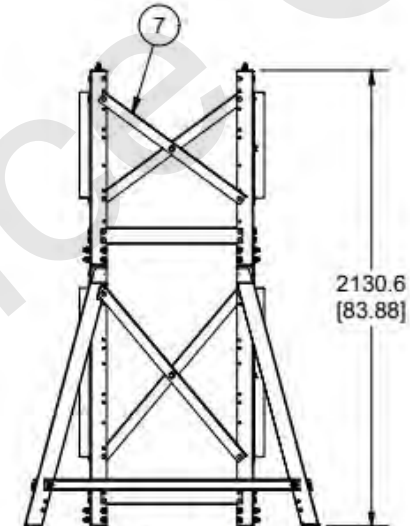
FRONT VIEW, M-ES544660
SCALE 1 / 25

Extrapolated



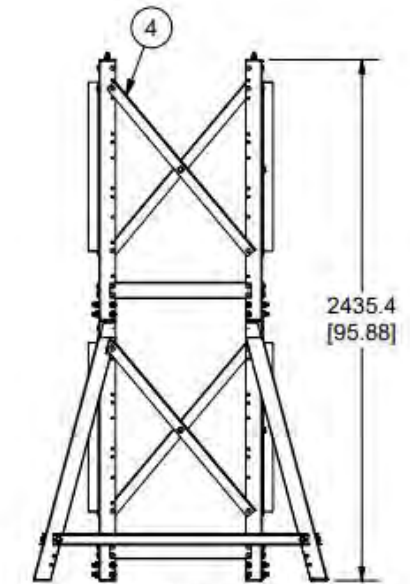
FRONT VIEW, M-ES544672
SCALE 1 / 25

UUT-08B Stand



FRONT VIEW, M-ES544684
SCALE 1 / 25

Interpolated



FRONT VIEW, M-ES544696
SCALE 1 / 25

UUT-07B Stand

1369 Cox Avenue
Erlanger, KY USA 41018
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"The Resistor Specialists"

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NEXT ASSY	DRAWING NO.		
SIMILAR TO	STAND, ELEVATING, FOR BAE ENCLOSURE, 54" X 46" X 48"-96"		
DRAWN BY	SIZE	DRAWING NO.	REV
SRUJANA PADAKANTI	B	M-ES5446XX	0
DATE	APPROVED BY:	SCALE	SHEET
2/6/2025	JIN	1/20	Page 4 of 4

Elevating Stands for
BAE Enclosures:
Stand heights