APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0682

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Generac Power Systems Inc.

Manufacturer's Technical Representative: Jon Breidenbach

Mailing Address: S45 W29290 Hwy 59, Waukesha, WI 53189

Telephone: (262) 799-5316 Email: jonathon.breidenbach@generac.com

Product Information

Product Name: Generac Power Systems TX301 and TX611 Transfer Switches and Honeywell (Alternate Branding) HX301 and HX611 Transfer Switches

Product Model Number(s): Generac Power Systems TX301 and TX611 Transfer Switches and Honeywell (Alternate Branding) HX301 and HX611 Transfer Switches

Product Category: Emergency and Standby Power Systems

Product Sub-Category: Automatic Transfer Switches

General Description: Generac Non-Service Entrance Rated and Service Entrance Rated, contactor type, open and delayed transition, 100A-400A automatic transfer switches.

Mounting Description: Wall Mounted Rigid

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: Dynamic Certification Laboratories

Contact Person: Rachel Wolfe

Mailing Address: 1315 Greg Street, Suite 109, Sparks, NV 89431

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

Title: Seismic Test Enineer

HCAi OSP-0682 BY: Mohammad Karim DATE: 02/03/2026 CALIFORNIA BUILDING CODE 2025

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

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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal	(A Flx-H), g=	3.2	(A Rig-H), g=	2.15
Vertical	(A Flx-V), g=	1.67	(A Rig-V), g=	0.67

S_{DS} (Design spectral response acceleration at short period, g) = 2.0g at z/h=1.0 and 2.5g at z/h=0.0

Hf (Force amplification height factor) = 3.5 at z/h=1.0; 1.0 at z/h=0

Ru (Structure ductility redution factor) = 1.3 at z/h=1.0; 1.0 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 02/03/2032

Date: 2/3/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable):

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Special Seismic Certification
Table 1 - Certified Components

DCL Project Number: 66102-2601

Manufacturer: Generac Power Systems

Product Type: Transfer Switch

Product Line: TX301 and TX611

Certified Product Construction: NEMA 1 or NEMA 3R, Powder Coated Carbon Steel

Mounting: Rigid Wall Mounted

Certified Seismic Levels: Sds= 2.0g at z/h=1.0 and Sds= 2.5 at z/h=0.0

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_μ = 1.3 at z/h=1.0; 1.0 at z/h=0

Unit Type	Generac Model Number	Honeywell (Alternate Branding) Model Number	Max Dimensions [in.][1,2]			Max. Weight [lb.]	NEMA Rating	Unit
			Depth	Width	Height			
Non- Service Entrance Rated	TX301NN0100A2AM	HX301NN0100A2AM	12.0	21.4	35.6	116	1	UUT1
	TX611xN0100xxAx	HX611xN0100xxAx	12.0	21.4	35.6	155	1	Interpolated
	TX611xN0100xxCx	HX611xN0100xxCx	12.0	21.4	35.6	155	3R	Interpolated
	TX301xN0150xxAx	HX301xN0150xxAx	12.0	21.4	35.6	165	1	Interpolated
	TX301xN0150xxCx	HX301xN0150xxCx	12.0	21.4	35.6	165	3R	Interpolated
	TX611xN0150xxAx	HX611xN0150xxAx	12.0	21.4	35.6	165	1	Interpolated
	TX611xN0150xxCx	HX611xN0150xxCx	12.0	21.4	35.6	165	3R	Interpolated
	TX301xN0200xxAx	HX301xN0200xxAx	12.0	21.4	35.6	165	1	Interpolated
	TX301xN0200xxCx	HX301xN0200xxCx	12.0	21.4	35.6	165	3R	Interpolated
	TX611xN0200xxAx	HX611xN0200xxAx	12.0	21.4	35.6	165	1	Interpolated
	TX611xN0200xxCx	HX611xN0200xxCx	12.0	21.4	35.6	165	3R	Interpolated
	TX301xN0300xxAx	HX301xN0300xxAx	12.0	24.4	51.4	185	1	Interpolated
	TX301xN0300xxCx	HX301xN0300xxCx	12.0	24.4	51.4	185	3R	Interpolated
	TX611xN0300xxAx	HX611xN0300xxAx	12.0	24.4	51.4	185	1	Interpolated
	TX611xN0300xxCx	HX611xN0300xxCx	12.0	24.4	51.4	185	3R	Interpolated
	TX301DN0400xxAx	HX301DN0400xxAx	12.0	24.4	51.4	185	1	Interpolated
	TX611DN0400E4CM	HX611DN0400E4CM	12.0	24.4	51.4	185	3R	UUT2
Service Entrance Rated	TX301DS0100E4AM	HX301DS0100E4AM	12.0	21.4	51.4	175	1	UUT3
	TX301xS0100xxCx	HX301xS0100xxCx	12.0	21.4	51.4	215	3R	Interpolated
	TX301xS0150xxAx	HX301xS0150xxAx	12.0	21.4	51.4	220	1	Interpolated
	TX301xS0200xxAx	HX301xS0200xxAx	12.0	21.4	51.4	220	1	Interpolated
	TX301xS0150xxCx	HX301xS0150xxCx	12.0	21.4	51.4	225	3R	Interpolated
	TX301xS0200xxCx	HX301xS0200xxCx	12.0	21.4	51.4	225	3R	Interpolated
	TX301xS0300xxAx	HX301xS0300xxAx	12.0	34.4	51.4	273	1	Interpolated
	TX301xS0400xxAx	HX301xS0400xxAx	12.0	34.4	51.4	273	1	Interpolated
	TX301xS0300xxCx	HX301xS0300xxCx	12.0	34.4	51.4	273	3R	Interpolated
	TX301DS0400E4CM	HX301DS0400E4CM	12.0	34.4	51.4	273	3R	UUT4

Note:

1. The unit depth does not include the 3R cover depth of 2.1".
2. The unit height includes the mounting tab height of approximately 4".

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OSP-0682
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DATE: 02/03/2026
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Special Seismic Certification
Table 2 - Nomenclature Chart

DCL Project Number: 66102-2601

Manufacturer: Generac Power Systems

Product Type: Transfer Switch

Product Line: TX301 and TX611

Certified Product Construction: NEMA 1 or NEMA 3R, Powder Coated Carbon Steel

Mounting: Rigid Wall Mounted

Certified Seismic Levels: Sds= 2.0g at z/h=1.0 and Sds= 2.5 at z/h=0.0

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_μ = 1.3 at z/h=1.0; 1.0 at z/h=0

Sample Part Number: AAUVWBCYYYYDZEF

Sample Value	Category	Allowable Value	Definition	Unit
AA	Branding	TX	Generac Branding	UUT1, UUT2, UUT3, UUT4
		HX	Honeywell Alternate Branding	Same as Tested UUTs
U	Series	3	Series 3	UUT1, UUT3, UUT4
		6	Series 6	UUT2
V	WCR & Cycle Rating	0	WCR Breaker Only	UUT1, UUT3, UUT4
		1	3 Cycle	UUT2
W	Controller	1	TXC100 Controller	UUT1, UUT2, UUT3, UUT4
B	Transition Type	N	Open Inphase (Only)	UUT1
		D	Open Inphase and Delayed	UUT2, UUT3, UUT4
C	Switch Type	N	Non-Service Entrance	UUT1, UUT2
		S	Service Entrance	UUT3, UUT4
YYYY	Amperage Rating	0100-0400	Amperage Measured in Amperes	UUT1, UUT2, UUT3, UUT4
D	Voltage Code	A	120/240 VAC 1P	UUT1
		B	120/208 VAC 1P	Interpolated
		E	480 VAC (Three Phase) Delta	UUT2, UUT3, UUT4
		G	120/208 VAC 3P Wye	Interpolated
		J	120/240 VAC 3P Delta	Interpolated
		K	277/480 VAC 3P Wye	Interpolated
Z	Number of Poles	2	2 Poles	UUT1
		3	3 Poles	Interpolated
		4	4 Poles	UUT2, UUT3, UUT4
E	Enclosure	A	NEMA 1	UUT1, UUT3
		C	NEMA 3R	UUT2, UUT4
F	Accessories	N	None	Extrapolated[1]
		H	Heater	Extrapolated[1]
		T	Transient Voltage Surge Suppressor (TVSS)	Extrapolated[1]
		M	Multiple Accessories	UUT1, UUT2, UUT3, UUT4

Notes:

1. Extrapolated units are depopulated from tested units.

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Special Seismic Certification
Table 3 - Certified Subcomponents

DCL DYNAMIC CERTIFICATION LABORATORIES,LLC

DCL Project Number: 66102-2601

Manufacturer: Generac Power Systems

Product Line: TX301 and TX611

Certified Seismic Levels: Sds= 2.0g at z/h=1.0 and Sds= 2.5 at z/h=0.0

Subcomponent Type	Model Number	Manufacturer	Description	Dimensions [in]			Material	Weight [lb.]	Unit
				Depth[1]	Width	Height[2]			
Enclosures	F1 SZ1-1	Generac	Type 1	12.0	21.4	31.7	Powder Coated Carbon Steel	63	UUT 1
	F1 SZ1-3R		Type 3R	12.0	21.4	31.7		63	Interpolated
	F1 SZ2-1		Type 1	12.0	21.4	47.5		86	UUT 3
	F1 SZ2-3R		Type 3R	12.0	21.4	47.5		86	Interpolated
	F2 SZ1-1		Type 1	12.0	24.4	47.5		92	Interpolated
	F2 SZ1-3R		Type 3R	12.0	24.4	47.5		92	UUT 2
	F3 SZ2-1		Type 1	12.0	34.4	47.5		122	Interpolated
	F3 SZ2-3R		Type 3R	12.0	34.4	47.5		122	UUT 4

Subcomponent Type	Model Number	Manufacturer	Description	Mounting Configuration	Material	Weight [lb.]	Unit
Enclosure Accessories	A0000486891	Generac	ASSY COVER CB 3R TX SERIES BLACK	Door	Plastic, 304 Stainless Steel, Carbon Steel	2	UUT4
	A0000486856		ASSY COVER HMI 3R TX SERIES BLACK	Door		3	UUT2, UUT4
	10000047273		ST02 BRKT, MOUNTING, WM	Enclosure Body	Carbon Steel	2	UUT1, UUT2, UUT3, UUT4
Controller	A0000382550	Generac	Controller Option Board	Controller	Plastic, PCB	<1	UUT1, UUT2, UUT3, UUT4
	TX100		Switch Controller	Bracket on Back Panel		7	UUT1, UUT2, UUT3, UUT4
Battery	A0000214872	Tenergy	Li-ION 18650 BATTERY	Controller	Aluminum, Lithium Oxide, Copper	<1	UUT1, UUT2, UUT3, UUT4
Wiring Connector	A0000347514	Molex	CONN MOLEX-FLEX 3.50 EHP-14 POS	Controller	Plastic, Copper	<1	UUT1, UUT2, UUT3, UUT4
	A0000347513		CONN MOLEX-FLEX 3.50 EHP-4 POS	Controller		<1	UUT1, UUT2, UUT3, UUT4
	A0000347512		CONN MOLEX-FLEX 3.50 EHP-3 POS	Controller		<1	UUT1, UUT2, UUT3, UUT4
	A0000347511		CONN MOLEX-FLEX 3.50 EHP-2 POS	Controller		<1	UUT1, UUT2, UUT3, UUT4
Circuit Breaker	10000047213	Siemens	CB 0100 3P 480V S3VA05TM0B0J	Bracket on Back Panel	Aluminum, Plastic, Copper	2	UUT3
	A0000019077		CB 0100 3P 600V S3VA06TM0A0J			4	Interpolated
	A0000019074		CB 0150 2P 600V S3VA06TM0A0J			4	Interpolated
	A0000019079		CB 0150 3P 600V S3VA06TM0A0J			4	Interpolated
	A0000019081		CB 0200 3P 600V S3VA06TM0A0J			4	Interpolated
	A0000019083		CB 0400 3P 600V S3VA06EL0A0J			11	UUT4
Lugs	A0000385308	Siemens	CB ACC S(3VA51) LUG AL 14-3/0	Circuit Breaker	Aluminum	<1	UUT3
	A0000385311		CB ACC S(3VA52) LUG AL 6-350	Circuit Breaker		<1	Interpolated
	A0000385314		CB ACC S(3VA63,64) LUG AL 1-600	Circuit Breaker		<1	Interpolated
	A0000385312		CB ACC S(3VA52) LUG AL 2-350 w/TC	Circuit Breaker	Aluminum, Plastic	1	Interpolated
	A0000385313		CB ACC S(3VA52) LUG AL 2(4-300) w/TC	Circuit Breaker		1	Interpolated
	A0000385310		CB ACC S(3VA51) LUG AL 4-300 w/TC	Circuit Breaker		<1	Interpolated
	A0000385315		CB ACC S(3VA63,64) LUG AL 2(2/0-600) TC	Circuit Breaker		2	UUT4
Nut Keepers	A0000385319	Siemens	CB ACC S(3VA51) NUT KEEPER 3P	Circuit Breaker	Carbon Steel, Plastic	<1	UUT3
	A0000385320		CB ACC S(3VA52) NUT KEEPER 3P	Circuit Breaker		<1	Interpolated
	A0000385321		CB ACC S(3VA63,64) NUT KEEPER 3P	Circuit Breaker		<1	UUT4
Terminal Covers	A0000385322	Siemens	CB ACC S(3VA51) STD TERMINAL COVER	Circuit Breaker	Plastic	<1	UUT3
	A0000385323		CB ACC S(3VA52) STD TERMINAL COVER	Circuit Breaker		<1	Interpolated
	A0000385324		CB ACC S(3VA63,64) STD TERMINAL COVER	Circuit Breaker		<1	UUT4
Neutral Bars	0K0108	Generac	ASSY NEUT BLK 100A W/TAP 5POS	Back Panel	Aluminum, Carbon Steel, Plastic	<1	UUT1, UUT3
	0k0108a		ASSY NEUT BLK 200-400A W/TAP	Back Panel		<1	Interpolated
	10000036956		NEUT ASSY 400A WITH MTG PLATE	Back Panel		1	UUT2,UUT4
Ground Bar	A0000349637	Generac	ASSY GROUND 400A WITH MTG PLATE	Back Panel	Aluminum, Carbon Steel	<1	UUT3,UUT4
Ground Lugs	0k5469	Illsco	LUG SLDLSS 1/0-14 (2) CONN	Back Panel	Aluminum	<1	UUT1
	G062707		LUG SLDLSS 250-#6 X 11MM AL/CU	Back Panel		<1	UUT2
Transformers	0J0481A	Amran	XFMR CURRENT 100A W/O BRKT UL	Load Wire	Copper, Plastic	<1	UUT1, UUT3
	0J0481B		XFMR CURRENT 150A W/O BRKT UL	Load Wire		<1	Interpolated
	0J0481C		XFMR CURRENT 200A W/O BRKT UL	Load Wire		<1	Interpolated
	0J0481D		XFMR CURRENT 300A W/O BRKT UL	Load Wire		3	Interpolated
	0J0481E		XFMR CURRENT 400A W/O BRKT UL	Load Wire		3	UUT2, UUT4
	A0000426315	Siemens	XFMR 600/480:277 200VA TX	Back Panel	Carbon Steel, Copper	9	UUT2, UUT3, UUT4

Note:

1. The enclosure depth does not include the 3R cover depth of 2.1"
2. The enclosure height does not include the mounting tab height of approximately 4"

REVIEWED FOR CODE COMPLIANCE CALIFORNIA BUILDING CODE, 2025 OSP-0682 Rashad Karim

Special Seismic Certification
Table 4 - Certified Subcomponents

DCL DYNAMIC CERTIFICATION LABORATORIES,LLC

DCL Project Number: 66102-2601

Manufacturer: Generac Power Systems

Product Line: TX301 and TX611

Certified Seismic Levels: Sds= 2.0g at z/h=1.0 and Sds= 2.5 at z/h=0.0

Subcomponent Type	Model Number	Manufacturer	Description	Mounting Configuration	Material	Weight [lb.]	Unit
Fuse Block	G073591	Bussmann	30A 600V 1POS W/SQ	Transformer	Plastic, Copper, Carbon Steel	<1	UUT2, UUT3, UUT4
	0D2572		30A 600V 3POS W/SQ	Bracket on Back Panel		<1	UUT1, UUT2, UUT3, UUT4
Heater	A0000136603	Generac	HEATER ASSY 100W 2 RESISTOR	Back Panel	Aluminum, Copper, Carbon Steel	2	UUT1, UUT2, UUT3, UUT4
Heater Guard	A0000313170	Generac	SS0R GUARD HEATER TX SERIES	Back Panel	304 Stainless Steel	1	UUT1, UUT2, UUT3, UUT4
Relay	A0000139215	TE Connectivity	RELAY 12VDC 3PDT FLANGE MNT	Bracket	Plastic, Copper	<1	UUT1, UUT2, UUT3, UUT4
Fuse	073590A	Bussmann	FUSE 5A X BUSS	Fuse Holder	Copper	<1	UUT1, UUT2, UUT3, UUT4
Transfer Switch Mechanism Accessories (Lug)	G062684	Illsco	SLDLSS 2/0-#12 X 11/32 CU	Mechanism	Aluminum	<1	UUT1, UUT3
	0E3375		SLDLSS 250-#6 AL/CU	Mechanism		<1	Interpolated
	0A7822		SLDLSS 600/250-1/0X1/4-28	Mechanism		<1	UUT2, UUT4
Transfer Switch Mechanism Accessories (Micro Switch)	A0000204472	Omron	V-10G4-1C25-K	Mechanism	Stainless Steel	<1	UUT1, UUT2, UUT3, UUT4
	A0000317679		VX-014-3A3	Mechanism		<1	UUT1, UUT2, UUT3, UUT4
Transfer Switch Mechanism Accessories (Terminal Block)	0D7393T	Wago	3P UL 12-20AWG	Mechanism	Plastic, Copper, Carbon Steel	<1	UUT1, UUT2, UUT3, UUT4
Transient Voltage Surge Suppressor (TVSS)	0L5698C	Eaton	TVSS MODULE 3PH 277/480V	Back Panel	Carbon Steel, Silica, Copper	5	UUT1, UUT4
	0L5698A		TVSS MODULE 3PH 120/208V	Back Panel		5	Interpolated
	0L5698B		TVSS MODULE 3PH 120/240V	Back Panel		5	Interpolated
	10000035940		TVSS MODULE SPLIT 120/240V	Back Panel		6	UUT2, UUT3
TVSS Accessories (Terminal Block)	G046689	Molex / Tyco	BLOCK TERM 20A 4 X 6 X 1100V	Bracket on Back Panel	Plastic, Copper, Carbon Steel	<1	UUT1, UUT4
TVSS Accessories (Mounting Track)	0E6002	Generac	MTG TRACK BQ SIEMENS CB 3P	Bracket on Back Panel	Carbon Steel	<1	UUT1, UUT2, UUT3, UUT4
TVSS Accessories	0E5997D	Siemens	CB 0030A 3P 240V S BQ3 LL	Bracket on Back Panel	Aluminum, Plastic, Copper	1	UUT1, UUT2, UUT3, UUT4

Subcomponent Type	Model Number	Manufacturer	Description[2,3,4]	Tested Voltage (VAC)	Certified Voltage (VAC)	Material	Weight [lb.]	Unit
Transfer Switch Mechanism[1]	A0000357600	Generac	100A INPHASE 2P	120/240	120-480	Copper, Carbon Steel, Plastic	25	UUT1
	A0000357606		200A INPHASE 2P	N/A	120-480		25	Interpolated
	A0000357597		100A TDN 2P		120-480		27	Interpolated
	A0000357603		200A TDN 2P		120-480		27	Interpolated
	A0000357601		100A INPHASE 3P		120-480		27	Interpolated
	A0000357607		200A INPHASE 3P		120-480		27	Interpolated
	A0000357598		100A TDN 3P		120-480		29	Interpolated
	A0000357604		200A TDN 3P		120-480		29	Interpolated
	A0000357602		100A INPHASE 4P		120-480		30	Interpolated
	A0000357608		200A INPHASE 4P		120-480		30	Interpolated
	A0000357599		100A TDN 4P	480	120-480		32	UUT3
	A0000357605		200A TDN 4P	N/A	120-480		32	Interpolated
	A0000522457		HD 400A INPHASE 2P		120-480		37	Interpolated
	A0000357612		400A INPHASE 2P		120-480		37	Interpolated
	A0000522454		HD 400A TDN 2P		120-480		39	Interpolated
	A0000357609		400A TDN 2P		120-480		39	Interpolated
	A0000522458		HD 400A INPHASE 3P		120-480		44	Interpolated
	A0000357613		400A INPHASE 3P		120-480		44	Interpolated
	A0000522455		HD 400A TDN 3P		120-480		46	Interpolated
	A0000357610		400A TDN 3P		120-480		46	Interpolated
	A0000522459		HD 400A INPHASE 4P		120-480		52	Interpolated
	A0000357614		400A INPHASE 4P		120-480		52	Interpolated
	A0000522456		HD 400A TDN 4P		120-480		54	Interpolated
	A0000357611		400A TDN 4P	480	120-480		54	UUT2, UUT4

Note:

1. All Transfer Switch Mechanisms are mounted to the back panel.
2. HD stands for Heavy Duty.
3. TDN stands for Time-Delay Neutral. Source 1, Source 2, and Off-Configuration.
3. INPHASE stands for No Time-Delay Neutral option. Source 1 or Source 2, no Off-Configuration.

REVIEWED FOR CODE COMPLIANCE BY: Mohammad Karim DATE: 02/03/2026 CALIFORNIA BUILDING CODE HCAi

Special Seismic Certification
Table 5 - Tested Units

DCL Project Number: 66102-2601

Manufacturer: Generac Power Systems

Product Type: Transfer Switch

Product Line: TX301 and TX611

Certified Product Construction: NEMA 1 or NEMA 3R, Powder Coated Carbon Steel

Mounting: Rigid Wall Mounted

Certified Seismic Levels: Sds= 2.0g at z/h=1.0 and Sds= 2.5 at z/h=0.0

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_μ = 1.3 at z/h=1.0; 1.0 at z/h=0

Model Number	Description	Dimensions [in.]			Weight [lb.]	Unit
		Depth	Width	Height		
TX301NN0100A2AM	120/240 VAC, One Phase, NEMA 1	12.0	21.4	35.6	116	UUT1
TX611DN0400E4CM	480 VAC (Three Phase) Delta, NEMA 3R	12.0	24.4	51.4	185	UUT2
TX301DS0100E4AM	481 VAC (Three Phase) Delta, NEMA 3R	12.0	21.4	51.4	175	UUT3
TX301DS0400E4CM	482 VAC (Three Phase) Delta, NEMA 3R	12.0	34.4	51.4	273	UUT4

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OSP-0682
BY: Mohammad Karim
DATE: 02/03/2026
CALIFORNIA BUILDING CODE, 2025

UNIT UNDER TEST (UUT) Summary Sheet

UUT1

DCL Report Number: 08588-2001

Test Dates: January 7, 2021

Manufacturer: Generac

Product Type: Non-Service Entrance Rated Transfer Switch

Product Line: TX301 and TX611

Model Number: TX301NN0100A2AM

Mounting: Rigid Wall Mounted

Product Construction Summary: NEMA 1 Rated Powder Coated Carbon Steel Enclosure

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 (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
116	12.0	21.4	35.6	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H_f	Rμ	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156-24	2.00	1.0	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

Unit Mounting Description:

UUT1 was rigidly wall mounted to the wall fixture using (4) 5/16" Grade 5 bolts, 3"x3"x1/4" Carbon Steel plate washers, channel nuts, and round washers. The bolts were spaced approximately 13-3/4" apart on center width-wise and approximately 34" apart on center height-wise.

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2/03/2026



Overall view of UUT1



Interior view of UUT1

UNIT UNDER TEST (UUT) Summary Sheet

UUT1

Options / Component Summary:

Subcomponent Type	Model Number	Manufacturer	Material
Enclosures	F1 SZ1-1	Generac	Powder Coated Carbon Steel
Enclosure Accessories	10000047273	Generac	Carbon Steel
Controller	TX100	Generac	Plastic, PCB
Controller	A0000382550	Generac	Plastic, PCB
Battery	A0000214872	Tenergy	Aluminum, Lithium Oxide, Copper
Wiring Connector	A0000347514	Molex	Plastic, Copper
Wiring Connector	A0000347513	Molex	Plastic, Copper
Wiring Connector	A0000347512	Molex	Plastic, Copper
Wiring Connector	A0000347511	Molex	Plastic, Copper
Neutral Bars	0K0108	Generac	Aluminum, Carbon Steel, Plastic
Ground Lugs	0k5469	Illsco	Aluminum
Transformers	0J0481A	Amran	Copper, Plastic
Fuse Block	0D2572	Bussmann	Plastic, Copper, Carbon Steel
Heater	A0000136603	Generac	Aluminum, Copper, Carbon Steel
Heater Guard	A0000313170	Generac	304 Stainless steel
Relay	A0000139215	TE Connectivity	Plastic, Copper
Fuse	073590A	Bussmann	Copper
Transfer Switch Mechanism Accessories (Lug)	G062684	Illsco	Aluminum
Transfer Switch Mechanism Accessories (Micro Switch)	A0000204472	Omron	Stainless Steel
	A0000317679	Omron	Stainless Steel
Transfer Switch Mechanism Accessories (Terminal Block)	0D7393T	Wago	Plastic, Copper, Carbon Steel
Transient Voltage Surge Suppressor (TVSS)	0L5698C	Eaton	Carbon Steel, Silica, Copper
TVSS Accessories (Terminal Block)	G046689	Molex / Tyco	Plastic, Copper, Carbon Steel
TVSS Accessories (Mounting Track)	0E6002	Generac	Carbon Steel
TVSS Accessories	0E5997D	Siemens	Aluminum, Plastic, Copper
Transfer Switch Mechanism	A0000357600	Generac	Copper, Carbon Steel, Plastic

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CALIFORNIA BUILDING CODE 2025

UNIT UNDER TEST (UUT) Summary Sheet

UUT2

DCL Report Number: 08588-2001

Test Dates: January 7, 2021

Manufacturer: Generac

Product Type: Non-Service Entrance Rated Transfer Switch

Product Line: TX301 and TX611

Model Number: TX611DN0400E4CM

Mounting: Rigid Wall Mounted

Product Construction Summary: NEMA 3R Rated Powder Coated Carbon Steel Enclosure

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 (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
185	12.0	24.4	51.4	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H_f	Rμ	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156-24	2.00	1.0	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

Unit Mounting Description:

UUT2 was rigidly wall mounted to the wall fixture using (4) 5/16" Grade 5 bolts, 3"x3"x1/4" Carbon Steel plate washers, channel nuts, and round washers. The bolts were spaced approximately 13-3/4" apart on center width-wise and approximately 50" apart on center height-wise.

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Overall view of UUT2



Interior view of UUT2

UNIT UNDER TEST (UUT) Summary Sheet

UUT2

Options / Component Summary:

Subcomponent Type	Model Number	Manufacturer	Material
Enclosures	F2 SZ1-3R	Generac	Powder Coated Carbon Steel
Enclosure Accessories	A0000486856	Generac	Plastic, 304 Stainless Steel, Carbon Steel
Enclosure Accessories	10000047273	Generac	Carbon Steel
Controller	TX100	Generac	Plastic, PCB
Controller	A0000382550	Generac	Plastic, PCB
Battery	A0000214872	Tenergy	Aluminum, Lithium Oxide, Copper
Wiring Connector	A0000347514	Molex	Plastic, Copper
Wiring Connector	A0000347513	Molex	Plastic, Copper
Wiring Connector	A0000347512	Molex	Plastic, Copper
Wiring Connector	A0000347511	Molex	Plastic, Copper
Neutral Bars	10000036956	Generac	Aluminum, Carbon Steel, Plastic
Ground Lugs	G062707	Illsco	Aluminum
Transformers	A0000426315	Siemens	Carbon Steel, Copper
Transformers	0J0481E	Amran	Copper, Plastic
Fuse Block	G073591	Bussmann	Plastic, Copper, Carbon Steel
Fuse Block	0D2572	Bussmann	Plastic, Copper, Carbon Steel
Heater	A0000136603	Generac	Aluminum, Copper, Carbon Steel
Heater Guard	A0000313170	Generac	304 Stainless steel
Relay	A0000139215	TE Connectivity	Plastic, Copper
Fuse	073590A	Bussmann	Copper
Transfer Switch Mechanism Accessories (Lug)	0A7822	Illsco	Aluminum
Transfer Switch Mechanism Accessories (Micro Switch)	A0000204472	Omron	Stainless Steel
	A0000317679	Omron	Stainless Steel
Transfer Switch Mechanism Accessories (Terminal Block)	0D7393T	Wago	Plastic, Copper, Carbon Steel
Transient Voltage Surge Suppressor (TVSS)	10000035940	Eaton	Carbon Steel, Silica, Copper
TVSS Accessories (Mounting Track)	0E6002	Generac	Carbon Steel
TVSS Accessories	0E5997D	Siemens	Aluminum, Plastic, Copper
Transfer Switch Mechanism	A0000357611	Generac	Copper, Carbon Steel, Plastic

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CALIFORNIA BUILDING CODE 2025

UNIT UNDER TEST (UUT) Summary Sheet

UUT3

DCL Report Number: 08588-2001

Test Dates: January 7, 2021

Manufacturer: Generac

Product Type: Service Entrance Rated Transfer Switch

Product Line: TX301 and TX611

Model Number: TX301DS0100E4AM

Mounting: Rigid Wall Mounted

Product Construction Summary: NEMA 1 Rated Powder Coated Carbon Steel Enclosure

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 (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
175	12.0	21.4	51.4	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H_f	Rμ	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156-24	2.00	1.0	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

Unit Mounting Description:

UUT3 was rigidly wall mounted to the wall fixture using (4) 5/16" Grade 5 bolts, 3"x3"x1/4" Carbon Steel plate washers, channel nuts, and round washers. The bolts were spaced approximately 13-3/4" apart on center width-wise and approximately 50" apart on center height-wise.

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Overall view of UUT3



Interior view of UUT3

UNIT UNDER TEST (UUT) Summary Sheet

UUT3

Options / Component Summary:

Subcomponent Type	Model Number	Manufacturer	Material
Enclosures	F1 SZ2-1	Generac	Powder Coated Carbon Steel
Enclosure Accessories	10000047273	Generac	Carbon Steel
Controller	TX100	Generac	Plastic, PCB
Controller	A0000382550	Generac	Plastic, PCB
Battery	A0000214872	Tenergy	Aluminum, Lithium Oxide, Copper
Wiring Connector	A0000347514	Molex	Plastic, Copper
Wiring Connector	A0000347513	Molex	Plastic, Copper
Wiring Connector	A0000347512	Molex	Plastic, Copper
Wiring Connector	A0000347511	Molex	Plastic, Copper
Circuit Breaker	10000047213	Siemens	Aluminum, Plastic, Copper
Lugs	A0000385308	Siemens	Aluminum
Nut Keepers	A0000385319	Siemens	Carbon Steel, Plastic
Terminal Covers	A0000385322	Siemens	Plastic
Neutral Bars	0K0108	Generac	Aluminum, Carbon Steel, Plastic
Ground Bar	A0000349637	Generac	Aluminum, Carbon Steel
Transformers	A0000426315	Siemens	Carbon Steel, Copper
Transformers	0J0481A	Amran	Copper, Plastic
Fuse Block	G073591	Bussmann	Plastic, Copper, Carbon Steel
Fuse Block	0D2572	Bussmann	Plastic, Copper, Carbon Steel
Heater	A0000136603	Generac	Aluminum, Copper, Carbon Steel
Heater Guard	A0000313170	Generac	304 Stainless steel
Relay	A0000139215	TE Connectivity	Plastic, Copper
Fuse	073590A	Bussmann	Copper
Transfer Switch Mechanism Accessories (Lug)	G062684	Illsco	Aluminum
Transfer Switch Mechanism Accessories (Micro Switch)	A0000204472	Omron	Stainless Steel
	A0000317679	Omron	Stainless Steel
Transfer Switch Mechanism Accessories (Terminal Block)	0D7393T	Wago	Plastic, Copper, Carbon Steel
Transient Voltage Surge Suppressor (TVSS)	10000035940	Eaton	Carbon Steel, Silica, Copper
TVSS Accessories (Mounting Track)	0E6002	Generac	Carbon Steel
TVSS Accessories	0E5997D	Siemens	Aluminum, Plastic, Copper
Transfer Switch Mechanism	A0000357599	Generac	Copper, Carbon Steel, Plastic

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CALIFORNIA BUILDING CODE 2025

UNIT UNDER TEST (UUT) Summary Sheet

UUT4

DCL Report Number: 08588-2001

Test Dates: January 7, 2021

Manufacturer: Generac

Product Type: Service Entrance Rated Transfer Switch

Product Line: TX301 and TX611

Model Number: TX301DS0400E4CM

Mounting: Rigid Wall Mounted

Product Construction Summary: NEMA 3R Rated Powder Coated Carbon Steel Enclosure

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 (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
273	12.0	21.4	51.4	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H_f	Rμ	Ip	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES AC156-24	2.00	1.0	3.5	1.3	1.5	3.20	2.15	N/A	N/A
		2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.67

Unit Mounting Description:

UUT4 was rigidly wall mounted to the wall fixture using (4) 5/16" Grade 5 bolts, 3"x3"x1/4" Carbon Steel plate washers, channel nuts, and round washers. The bolts were spaced approximately 13-3/4" apart on center width-wise and approximately 50" apart on center height-wise.

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Overall view of UUT4



Interior view of UUT4

UNIT UNDER TEST (UUT) Summary Sheet

UUT4

Options / Component Summary:

Subcomponent Type	Model Number	Manufacturer	Material
Enclosures	F3 SZ2-3R	Generac	Powder Coated Carbon Steel
Enclosure Accessories	A0000486891	Generac	Plastic, 304 Stainless Steel, Carbon Steel
Enclosure Accessories	A0000486856	Generac	
Enclosure Accessories	10000047273	Generac	Carbon Steel
Controller	TX100	Generac	Plastic, PCB
Controller	A0000382550	Generac	Plastic, PCB
Battery	A0000214872	Tenergy	Aluminum, Lithium Oxide, Copper
Wiring Connector	A0000347514	Molex	Plastic, Copper
Wiring Connector	A0000347513	Molex	Plastic, Copper
Wiring Connector	A0000347512	Molex	Plastic, Copper
Wiring Connector	A0000347511	Molex	Plastic, Copper
Circuit Breaker	A0000019083	Siemens	Aluminum, Plastic, Copper
Lugs	A0000385315	Siemens	Aluminum & Plastic
Nut Keepers	A0000385321	Siemens	Carbon Steel, Plastic
Terminal Covers	A0000385324	Siemens	Plastic
Neutral Bars	10000036956	Generac	Aluminum, Carbon Steel, Plastic
Ground Bar	A0000349637	Generac	Aluminum, Carbon Steel
Transformers	A0000426315	Siemens	Carbon Steel, Copper
Transformers	0J0481E	Amran	Copper, Plastic
Fuse Block	G073591	Bussmann	Plastic, Copper, Carbon Steel
Fuse Block	0D2572	Bussmann	Plastic, Copper, Carbon Steel
Heater	A0000136603	Generac	Aluminum, Copper, Carbon Steel
Heater Guard	A0000313170	Generac	304 Stainless steel
Relay	A0000139215	TE Connectivity	Plastic, Copper
Fuse	073590A	Bussmann	Copper
Transfer Switch Mechanism Accessories (Lug)	0A7822	Illsco	Aluminum
Transfer Switch Mechanism Accessories (Micro Switch)	A0000204472	Omron	Stainless Steel
	A0000317679	Omron	Stainless Steel
Transfer Switch Mechanism Accessories (Terminal Block)	0D7393T	Wago	Plastic, Copper, Carbon Steel
Transient Voltage Surge Suppressor (TVSS)	0L5698C	Eaton	Carbon Steel, Silica, Copper
TVSS Accessories (Terminal Block)	G046689	Molex / Tyco	Plastic, Copper, Carbon Steel
TVSS Accessories (Mounting Track)	0E6002	Generac	Carbon Steel
TVSS Accessories	0E5997D	Siemens	Aluminum, Plastic, Copper
Transfer Switch Mechanism	A0000357611	Generac	Copper, Carbon Steel, Plastic

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