

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

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0842
HCAI Special Seismic Certification Preapproval (OSP)	
Type: X New Renewal	
Manufacturer Information	
Manufacturer: ACME Electric (a Hubbell Company)	
Manufacturer's Technical Representative: Jeff Wedig	
Mailing Address: N56 W13385 Silver Spring Dr, Menomonee Falls, WI 5305	1
Telephone: (815) 382-9957 Email: jwedig@hubbell.c	com
Product Information	
Product Name: Transformer Product Family	
Product Model Number(s): 3-phase Ventilated Transformers	E.
Product Category: Transformers OSP-0842	- A
Product Sub-Category: Transformers – Dry Type	
General Description: Low voltage ventilated dry type transformers with Al	and Cu wounding in carbon steel enclosures.
Mounting Description: Base Mounted Rigid -	
Tested Seismic Enhancements: Seismic enhancements made to the test anomalies during the tests shall be incorp	units and/or modifications required to address porated into the production units.
Applicant Information	
Applicant Company Name: TRU Compliance, by Structural Integrity Associat	les
Contact Person: Victoria Ahrens	
Mailing Address: 5215 Hellyer Ave Suite 210, San Jose, CA 95138	
Telephone: (541) 292-5820 Email: vahrens@structin	t.com

Title: Certification Engineer



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

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OSP-0842



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California Licensed Structural Engineer	Responsible for the Engineering and Test Report(s)
Company Name: STRUCTURAL INTEGRITY	ASSOCIATES, INC.
Name: LACHEZAR HANDZHIYSKI	California License Number: S6515
Mailing Address: 5215 Hellyer Avenue, Suite 2	10, San Jose, CA 95138
Telephone: (669) 437-0200	Email: Lhandzhiyski@StructInt.com
Certification Method	
GR-63-Core X ICC-ES AC15	66 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):	
	FOR CODE CON
Testing Laboratory	
Company Name: CLARK TESTING LABORAT	ORY, INC.
Contact Person: Devon Lohr	OSP 0842
Mailing Address: 1801 Route 51, Jefferson Hill	s PA 15025
Telephone: (412) 387-1001	Email: dlohr@clarktesting.com
	DATE: 04/08/2025
CALIFOR	
S.	
Tr.	VI
	BUILDING



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Seismic Parameters

Design Basis of Equipment or Com	ponents (Fp/Wp) =	1.44 (SDS=2.0 @ z/h=	=1); 1.125 (S	DS=2.5 @ z/h=0)
SDS (Design spectral respons	e acceleration at sh	ort period, g) = $2.00 (z/z)$	′h = 1); 2.50	(z/h = 0)
ap (Amplification factor) =	1			
Rp (Response modification fa	actor) = 2.5			
Ω_0 (System overstrength fact	or) = 2.0			
Ip (Importance factor) =	1.5			
z/h (Height ratio factor) =	1 and 0			
Natural frequencies (Hz) =	See Attach	iment		
Overall dimensions and weig	ht = See Attach	ment ODE COM	0	
HCAI Approval (For Office Use	Only) - Approval	Expires on 04/08/203	31	
Date: 4/8/2025	4	OSP-0842	G	
Name: Mohammad Karim			Title:	Supervisor, Health Facilities
Special Seismic Certification Valid	Jp to: SDS (g) = 2.0	ohammad Karim	z/h =	1
Condition of Approval (if applicable)	DATE	• 04/08/2025		
	ILIFORNIA E	BUILDING CO	2	



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OSP-0842

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2400797-CR-001-R1



Manufacturer:	ACME Elec	tric (a Hubbell Compar	ıy)				TADI	C 1
Model Line:	Transform	er Product Family					TABL	. E I
Certified Product Cor	nstruction Su	ımmary:						
Carbon Steel Enclosu	ire. NEMA 3R.							
Certified Options Sur	-							
3 Phase. Aluminum W	/ound.							
Mounting Configurat	tion		COD					
Base mounted - rigid		FOR	(LUL	ECO	-			
-	nust be of simila	ar configuration and equivale				ed.		
		IN I				2.0g z/h=	=1.0	
Building Code: CBC 2	022	Seismic C	ertificatio	on Limits:		2.5 g z/h=		_P = 1.5
Model Line	Model	Catalog Number ^{1,2}	SP-Dir	nensions	(in)	Weight	Notes	UUT
Model Line	(kVA)	Catalog Number ^{1,2}	Depth	Width	Height	(lbs.)	Notes	001
	15	T3015K00X3BE	ha 25.3 na	id 24.4rin	25.5	250		Interp
	30	T3030K00X3BE	25.3	24.4	25.5	<mark>3</mark> 60		Interp
	45	T3045K00X3BE	25.3	24.4	25.5	<mark>4</mark> 50		Interp
	75	T3075K00X3BE	28.1	28.2	29.6	600		Interp
Ventilated	112.5	T3112K00X3BE	32.8	32.0	35.5	740		Interp
Transformers	112.5	T3112K0013B-S1	32.0	32.0	36.0	736		1
(AL)	150	T3150K00X3BE	35.5	33.0	41.5	1,200		Interp
(/ (_)	225	T3225K00X3BE	35.5	33.0	41.5	1,500		Interp
	300	T3300K00X3BE	41.0	39.5	45.8	1,950		Interp
	300	T3300K0013B-S1	41.0	39.0	46.0	1,950		3
	500	T3500K00X3BE	48.1	45.0	58.0	3,090		Interp
	500	T3500K0013B-S1	48.0	45.0	58.0	3,088		5
Notes:								

2. "B-S1" is a specific prototype catalog number while "BE" is a standard catalog number that covers different voltage options.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2400797-CR-001-R1



Manufacturer:	ACME Elec	tric (a Hubbell Compar	ıy)				TAB	
Model Line:	Transform	er Product Family		IAD				
Certified Product Cor	nstruction Su	ımmary:						
Carbon Steel Enclosu	re. NEMA 3R.							
Certified Options Sur 3 Phase. Copper Wou	-							
or huse. copper wou								
Mounting Configurat	tion:	OF	COD	FC				
Base mounted - rigid					11.			
Note: Installed mounting r	must be of simila	ar configuration and equival	ent strength a	and stiffness				
Building Code: CBC 2	022	Seismic (Certificatio	on Limits:		2.0g z/h= 2.5g z/h=		<i>I</i> _P = 1.5
Madalila	Model		SP-Dir	nensions		Weight		
Model Line	(kVA)	Catalog Number ^{1,2}	Depth	Width	Height	(lbs.)	Notes	UUT
	15	T3015K00X3BCE	h225.3	nd 24.4rir	25.5	<mark>300</mark>		Interp
	30	T3030K00X3BCE	25.3	24.4	25.5	<mark>4</mark> 00		Interp
	45	T3045K00X3BCE	25.3	24.4	25.5	500		Interp
	75	T3075K00X3BCE	28.1	28.2	29.6	650		Interp
Maratilata d	112.5	T3112K00X3BCE	32.8	32.0	35.5	780		Interp
Ventilated Transformers	112.5	T3112K0013BC-S1	32.0	32.0	36.0	780		2
(CU)	150	T3150K00X3BCE	35.5	33.0	41.5	1,500		Interp
(00)	225	T3225K00X3BCE	35.5	33.0	41.5	1,750		Interp
	300	T3300K00X3BCE	41.0	39.5	45.8	2,150		Interp
	300	T3300K0013BC-S1	41.0	39.0	46.0	2,148		4
	500	T3500K0013BCE	48.1	45.0	58.0	3,370		Interp
	500	T3500K0013BC-S1	48.0	45.0	58.0	3,362		6
Notes:								

1. "X" is 1 or 2, units differ in voltage only.

2. "BC-S1" is a specific prototype catalog number while "BCE" is a standard catalog number that covers different voltage options.



	facturer: ACME Electric (a Hubbel							
UUT	Unit Description (mounting)	Report Number (UUT#)	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	I _P
1	112kVA 3ph AL Transformer Catalog No: T3112K0013B-S1 (base mounted - rigid)	JID 24-01277 (UUT1)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
2	112kVA 3ph CU Transformer Catalog No: T3112K0013BC-S1 (base mounted - rigid)	JID 24-01277 (UUT2)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
3	300kVA 3ph AL Transformer Catalog No: T3300K0013B-S1 (base mounted - rigid)	JID 24-01277 (UUT3)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
4	300kVA 3ph CU Transformer Catalog No: T3300K0013BC-S1 (base mounted - rigid)	JID 24-01277 (UUT4)OSP	Clark Testing -0842	2024	Yes	2.0 2.5	1.0 0.0	1.5
5	500kVA 3ph AL Transformer Catalog No: T3500K0013B-S1 (base mounted - rigid)	JID 24-01277 B (UUT5) Ohan	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
6	500kVA 3ph CU Transformer Catalog No: T3500K0013BC-S1 (base mounted - rigid)	JID 24-01277 04 (UUT6)	Clark Testing	2024	Yes	2.0 2.5	1.0 0.0	1.5
		ORNIA BIT		D'				
		DOIL	DINC					
lotes	:		L	1	L		<u>. </u>	



Manufacturer:	ACME Electric (a Hubbe	ell Company)							
Model Line:	Transformer Product F						L L	JUT	1
Model Number:	112kVA 3ph AL Transfo	•							-
Catalog Number:	, T3112K0013B-S1			Test Rep	ort:	JID 24-0	1277 (UU	T1)	
<u> </u>		UUT	Properties				1	/	
Weight		Dimension (in)			Lowes	t Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front-	Back	Side	-Side	Ver	tical
736	32.0	32.0	36.0	16.8	32	8.	29	>33	3.33
	UU	T Highest Passea	l Seismic Run Info	ormation					
Building Code	Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
CBC 2022	ICC-ES	AC156 OR C	2.5 0	1.0	1.5	3.20	2.40	1.67	0.67
Product Construction	n Summary:		Test Mounting	1					
	re. 3 Phase. Aluminum v	wound.							
NEMA 3R.				XXY					
	II II	OSF	-0842						
	8	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	000000000000000000000000000000000000000	\ T	Π				
Options/Subcompon	ent Summary:	BY : Mohar			-		¥.,	-	
Description	Part Nui			-	15		-2		
N/A	N/A					-	-		
		DATE: 04	1/08						
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		2011							-
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			1.00			-	100		
				2				-	
			UUT1 was base m	ounted - r	igid usi	ng four (4) 1/2"-13	SAE Grac	le 5 hex
			bolts, washers an			•			
			Unit maintained s		-				
			manufacturer req					itents we	re
			included in testin	g per oper Compliar	-				



Manufacturer:	ACME Electric (a Hubbe	ell Company)							
Model Line:	Transformer Product F						L	JUT	2
Model Number:	112kVA 3ph CU Transfo	-							-
Catalog Number:	, T3112K0013BC-S1			Test Re	port:	JID 24-0	1277 (UU	T2)	
y		UU	T Properties				1	/	
Weight		Dimension (in			Lowes	st Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	t-Back	Side	-Side	Ver	tical
780	32.0	32.0	36.0	27	.36	8.	89	>33	3.33
	UU	T Highest Passe	d Seismic Run In	formatio	n				
Building Code	Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	100 50	ACTEC OD (002.0	1.0					
CBC 2022	ICC-ES	AC156	2.5	0.0	1.5	3.20	2.40	1.67	0.67
Product Constructio	n Summary:		Test Mounting	Details:			<u>,</u>		
	re. 3 Phase. Copper wor	und.							
NEMA 3R.	No.			XXXX Y	2				
	4	OS	P-0842		C				
				Sec.					
Options/Subcompor	ent Summary:	BY: Moha	mmac	4					
Description	Part Nu				0	-		14	
N/A	N/A						-		0.
,		DAIE: 0	+1/08/1 🧲	-			2	1.5	
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			1						
			UUT2 was base r		-	-		SAE Grad	le 5 hex
			-bolts, washers a			•		otional	
			Unit maintained		-				
			manufacturer re included in testi	•				itents we	16
						Structura			



Manufacturer:	ACME Electri	c (a Hubb	oell Company)							
Model Line:	Transformer	Product	Family					L	JUT	3
Model Number:	300kVA 3ph A	AL Transfe	ormer							-
Catalog Number:	T3300K0013I	B-S1			Test Re	port:	JID 24-0	1277 (UU	T3)	
			UUT	Properties						
Weight			Dimension (in)			Lowes	t Natura	l Freque	requency (Hz)	
(lbs.)	De	epth	Width	Height	Front	-Back	Side	-Side	Ver	tical
1,950	4	1.0	39.0	46.0	26	.40	15	5.51	>33	3.33
		UL	JT Highest Passed	d Seismic Run Info	ormatio	า	•			
Building Code		Test (Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CDC 2022			AC156 OR C	2.0	1.0	1 5	2 20	2.40	1.07	0.67
CBC 2022		ICC-ES	SAC156	2.5	0.0	1.5	3.20	2.40	1.67	0.67
Product Construction	on Summary:	1		Test Mounting	Details:					
Carbon Steel Enclosu	ıre. 3 Phase. A	luminum	wound.							
NEMA 3R.		5			42/2	2				
		4	OSF	-0842		2				
Options/Subcompo	nent Summar	у:	BY Mohai	nmad I	878	120	Concession of the second			
Description		Part Nu								-
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				UUT3 was base m	ounted -	rigid us	ing four (4) 1/2"-13	SAE Grac	de 5 hex
				bolts, washers, w	-					
				Unit maintained s		-				
				manufacturer req					itents we	ere
				included in testin	g per ope	erating c	onditions	•		



Manufacturer:	ACME Electric (a Hubbe	ell Company)							
Model Line:	Transformer Product F						l	JUT	4
Model Number:	300kVA 3ph CU Transfo	-							•
Catalog Number:	Т3300К0013BC-S1			Test Rep	oort:	JID 24-0	1277 (UU	'T4)	
		UU	T Properties	-					
Weight		Dimension (in)		Lowes	st Natural	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	-Back	Side	-Side	Ver	tical
2,148	41.0	39.0	46.0	26	.97	15	.51	>33	3.33
	UU	T Highest Passe	ed Seismic Run Int	formation	า	-			
Building Code	Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES	ACIECOR	002.0	1.0	1.5	3.20	2.40	1.67	0.67
CBC 2022	ICC-ES	ACI36	2.5	0.0	1.5	3.20	2.40	1.07	0.67
Product Constructio	on Summary:		Test Mounting	Details:					
Carbon Steel Enclosu	ire. 3 Phase. Copp <mark>er wo</mark> u	und.		4					
NEMA 3R.	'Z			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-				
	2	OS	H-0842		2				
Options/Subcompo	nent Summa <mark>ry:</mark>	BY : Moha	mmad	P.L.		-			5
Description	Part Nui	mber						-	
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			UUT4 was base r	nounted -	rigid us	ing four (4) 1/2"-13	SAF Grad	le 5 hex
			– bolts, washers, v		-	-			
			Unit maintained	-				-	
			manufacturer re		-				
			included in testi	ng per ope	erating o	conditions	•		



Manufacturer:	ACME Electric (a Hubbe	ell Company)							
Model Line:	Transformer Product F						L	JUT	5
Model Number:	500kVA 3ph AL Transfo	rmer							•
Catalog Number:	T3500K0013B-S1			Test Re	port:	JID 24-0	1277 (UL	IT5)	
-		UU	T Properties						
Weight		Dimension (in)		Lowes	st Natura	l Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front	-Back	Side	-Side	Ver	tical
3,088	48.0	45.0	58.0	25	.52	19	.03	26	.36
	UU	T Highest Passe	ed Seismic Run Inf	formatio	1				
Building Code	e Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
CBC 2022	ICC-ES	ACISE OR		1.0	1.5	3.20	2.40	1.67	0.67
	ICC-ES	AC130	2.5	0.0	1.5	5.20	2.40	1.01	0.07
Product Construction			Test Mounting	Details:					
Carbon Steel Enclos	ure. 3 Phase. Aluminum v	wound.		4					
NEMA 3R.	N.			427	2				
	4	OS	H-0842		2				
						-	-	7	
Options/Subcompo	nent Summa <mark>ry:</mark>	BY : Moha	mmad 📰		-	12			
Description	Part Nu	mber						And and	
N/A	N/A							1	
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			UUT5 was base r	nountad	rigidug	ing four (A	1/2"-12	SAF Grad	la 5 hav
			– bolts, washers, w		-	-			
			Unit maintained	-					
			manufacturer re		-				
			included in testir	-					
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Manufacturer:	ACME Electric (a Hubbe	ll Company)							
Model Line:	Transformer Product F						I	JUT	6
Model Number:	500kVA 3ph CU Transfo	ormer							•
Catalog Number:	T3500K0013BC-S1			Test Re	port:	JID 24-0	1277 (UL	IT6)	
-		UU	T Properties		-				
Weight		Dimension (in)		Lowes	st Natura	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Fron	t-Back	Side	-Side	Ver	tical
3,362	48.0	45.0	58.0	17	7.15	8.	.29	32	.61
	UU	T Highest Passe	ed Seismic Run Info	ormatio	n				
Building Code	Test C	riteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2022	ICC-ES	AC156 OR	2.0	1.0	1.5	3.20	2.40	1.67	0.67
CDC 2022	ICC-ES	ACIS	2.5	0.0	1.5	5.20	2.40	1.07	0.67
Product Construction	on Summary:		Test Mounting	Details:					
Carbon Steel Enclos	ıre. 3 Phase. Copp <mark>er woι</mark>	ind.							
NEMA 3R.	, Z			427	2				
	2	OS	H-0849			the second se	-	-	
					1	-	-	Long La	
Options/Subcompo	nent Summa <mark>ry:</mark>	BY : Moha	mmad	-		- 8	-		
Description	Part Nui	nber							-
N/A	N/A		4/08/			14			
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			UUT6 was base m	ounted -	- rigid us	ing four (4) 1/2"-13	SAE Grad	de 5 hex
			—bolts, washers, w	-					
			Unit maintained s		-				
			manufacturer req					ntents we	re
			included in testin			conditions			