

	OFFICE	USE ONLY
APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP – 0456 – 10
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🛛 New 🗌 Renewal		
Manufacturer Information		
Manufacturer:Falcon Electric, Inc.		
Manufacturer's Technical Representative: David Benporat		
Mailing Address: _5116 Azusa Canyon Rd., Irwindale, CA 91706		
Telephone: <u>626.962.7770</u> Email: <u>David.</u>	benporat@falconups.co	<u>m</u>
Product Information		
Product Name: Falcon UPS		
Product Type: Uninterruptible Power Supply		
Product Model Number: SG2K-1TG (List all unique product identification numbers and/or part numbers) General Description: 2K Tower UPS in a carbon steel enclosure.		
Mounting Description: Rigid base mounted.		
Applicant Information		
Applicant Company Name: TRU Compliance, LLC – A Tobolski Watl	kins Affiliate	
Contact Person: Matthew J. Tobolski, Ph.D., S.E.		
Mailing Address:960 SW Disk Drive, Suite 104, Bend, OR 97702		
Telephone: 844.878.0200 Email: mtobol	ski@trucompliance.com	<u>]</u>
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2016.	Planning and Develo	opment review fees in
Signature of Applicant:	Date	e: 02/04/2016
Title: President & CEO Company Name: TRU C	ompliance, LLC	
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	All All Ann	OSHPD
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY		

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)



California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: TRU Compliance, LLC – A Tobolski Watkins Affiliate
Name: Derek J. Manwill, S.E. California License Number: S6266
Mailing Address: _ 960 SW Disk Dr., Suite 104, Bend, OR 97702
Telephone: 844.878.0200 Email: dmanwill@trucompliance.com
Supports and Attachments Preapproval
 Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required) Supports and attachments are not preapproved
Certification Method
 Testing in accordance with: ICC-ES AC156 Other (Please Specify):
Testing Laboratory
Company Name: NTS – Fullerton
Contact Name: Don Bennet
Mailing Address:1536 E Valencia Dr., Fullerton, CA 92831

Telephone: 714.879.6110 Email: don.bennett@nts.com
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Page 2 of 3 Page 2 of 7 OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: 🖂 Yes 🗌 No
Design Basis of Equipment or Components (Fp/Wp) = <u>1.44</u>
S_{DS} (Design spectral response acceleration at short period, g) = 2.00 @ z/h = 1; 3.20 @ z/h = 0
a _p (In-structure equipment or component amplification factor) = <u>1.0</u>
R_p (Equipment or component response modification factor) = 2.5
Ω_0 (System overstrength factor) = 2.0
I_p (Importance factor) = 1.5
z/h (Height factor ratio) = _1 @S _{DS} = 2.00g; 0 @S _{DS} = 3.20g
Equipment or Component Natural Frequencies (Hz) = See Attachment
Overall dimensions and weight (or range thereof) = See Attachment
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: 🗌 Yes 🛛 No
Design Basis of Equipment or Components (V/W) =
S _{DS} (Design spectral response acceleration at short period, g) =
S _{D1} (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient) =
Ω_0 (System overstrength factor) =
C _d (Deflection amplification factor) =
I_p (Importance factor) = 1.5
Height to Center of Gravity above base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
Tank(s) designed in accordance with ASME BPVC, 2015: 🗌 Yes 🖾 No
List of Attachments Supporting Special Seismic Certification
☑ Test Report(s) ☑ Drawings □ Calculations ☑ Manufacturer's Catalog ☑ Other(s) (Please Specify): <u>Attachment</u>
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022
Signature: Date: 2/25/16
Print Name: M. R. Karim Title: SHFR
Special Seismic Certification Valid Up to : $S_{DS}(g)$ = See Above z/h = See Above
Condition of Approval (if applicable): Certification is limited to units which are identical to the configured tested units.
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



TRU PROJECT NO. 15048

Manufacturer: Model Line:	Falcon Electric, Inc. SG							TABLE 1		
<i>Certified Product Co.</i> Carbon steel enclosur										
<i>Certified Options Sui</i> No certified options of		onfiguration	only.							
<i>Mounting Configurat</i> Base mounted - rigid Note: Installed mounting co		ilar configuratic	n and equiva	lent strength						
Building Code: CBC 2	2016	Seismic C			S _{DS} =	2.0 z/h 3.2 z/h	=1.0 = <mark>0.0</mark>	1 _P =	1.5	
Model Line	Model	Dir Depth	mensions Width	(in) Height	Weight (Ib)	Notes			UUT	
SG	SG2K-1TG	17.9	7.6	12.7	70				1,2	

UNIT UNDER TEST (UUT) SUMMARY SHEET

TRU PROJECT NO. 15048



Manufacturer:	Falcon Electr	ic, Inc.						I		1
Model Line:	SG							l	JUT	
Model Number:	SG2K-1TG				Serial Nu	umber:	15060090)12		
Product Construc										
Carbon steel enclo	osure.									
Options/Subcom	ponent Summary	·,								
No certified option	ns or accessories.									
			UUT Pro	operties						
Weight		Dimension (in)		,		Lowest	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	Hei	ight	Front	-Back	Side	Side	Vertical	
70	17.9	7.6		2.7	>33.3		30.7		>33.3	
		UUT Highest I		1		ntion				
Buildin	g Code	Test Criter	ia	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC	2016	ICC-ES AC1	56	2.0	1.0	1.5	3.20	2.40	1.53	0.53
Test Mounting De				3.2	0.0	1.5	3.20	1.28	2.13	0.85
Test Niourning De	elans.									
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Digid base mount	ad to shake table w	ith Falcon Solemic	Kit Vorsia	n #2 and	()) 1/)" ar	ado ⁰ hol	te			
-		/ith Falcon Seismic and remained func			-		ι3.			
Contents were inc										

UNIT UNDER TEST (UUT) SUMMARY SHEET

TRU PROJECT NO. 15048



Manufacturer:	Falcon Electr	ic, Inc.								γ
Model Line:	SG							ι	JUT	2
Model Number:	SG2K-1TG				Serial No	umber:	14120380)26		
Product Construc	tion Summary:									
Carbon steel enclo	sure.									
Ostises (Cubeses)										
<i>Options/Subcomp</i> No certified option	-	•								
NO CELINEG OPTION	S 01 accessories.									
			UUT Pr	operties						
Weight		Dimension (in)	I				t Natural			
(lb)	Depth	Width		eight	Front		Side-Side		Vertical	
70	17.9	7.6		2.7	>3		33	1.3	>33.3	
	- · · · · · · · · · · · · · · · · · · ·	UUT Highest I		1						
Building	Code	Test Criter	ia	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016		ICC-ES AC156		2.0 3.2	1.0 0.0	1.5 1.5	3.20 3.20	2.40 1.28	1.53 2.13	0.53 0.85
Test Mounting De	tailai			J.Z	0.0	1.0	3.20	1.20	2.13	0.65
							U	IUT 2		
Rigid base mounte Unit maintained str Contents were incl	ructural integrity	and remained func	tional pe		-					

