

	OFFICE	USE ONLY
APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP - 0577 - 10
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🛛 New 🗌 Renewal		
Manufacturer Information		
Manufacturer: Acuity Brands		
Manufacturer's Technical Representative: _ Don Zulim		
Mailing Address: One Lithonia Way, Conyers, GA 30012		
Telephone: 770.860.3642 Email: don.zu	lim@acuitybrands.com	
Product Information	20.	
Product Name: nLight and Fresco panels (See Attachment)	M.P.	
Product Type: Control Panels	Ť.	
Product Model Number: Various (See Attachment)	ACE	
(List all unique product identification numbers and/or part numbers) General Description: Relay Control Panel enclosures with dimmers	controllers modules tra	unsformers circuit
breakers, switches, and power supplies		
Mounting Description: Rigid wall mounted.	70	
	Ŷ	
Applicant Information	ODE	
Applicant Company Name: TRU Compliance by Structural Integrity As	ssociates, Inc.	
Contact Person: Luke Bockewitz		
Mailing Address: <u>5215 Hellyer Avenue, Suite 210, San Jose, CA</u> 951	38	
Telephone: 309 854 2897 Email: Ibocke	witz@structint.com	
I hereby agree to reimburse the Office of Statewide Health I accordance with the California Administrative Code, 2016.	Planning and Develo	pment review fees in
Signature of Applicant:	Date:	8/21/2018
Title: Consultant Company Name: Structu	ural Integrity Associates,	Inc.
	L All L.	OSHPD
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY	<u></u>	051110
OSH-FD-759 (REV 12/16/15)		Page 1 of 3



California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: TRU Compliance by Structural Integrity Associates, Inc.
Name: Andrew Coughlin, S.E. California License Number: S6082
Mailing Address: _5215 Hellyer Avenue, Suite 210, San Jose, CA_95138
Telephone: 510 379 5319 Email: _acoughlin@structint.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 $CODF$
Certification Method
Image: Testing in accordance with: Image: CC-ES AC156 Image: Other (Please Specify): Image: OSP-0577-10 Image: BX: Alia Sumer
Testing Laboratory
Company Name: Applied Technical Services, Inc.
Contact Name: David Common
Mailing Address:1049 Triad Court, Marietta, GA_30062
Telephone: 770.423.1400 Email: davidc@atslab.com

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

S	eis	mic	Par	am	eters	
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Design in accordance with ASCE 7-10 Chapter 13: Yes No
Design Basis of Equipment or Components $(F_p/W_p) = 1.50$ (Sds = 2.0, z/h=1), 1.13 (Sds = 2.5, z/h=0)
S_{DS} (Design spectral response acceleration at short period, g) = <u>2.0 (z/h=1), 2.5 (z/h=0)</u>
a_p (In-structure equipment or component amplification factor) = <u>2.5</u>
R_p (Equipment or component response modification factor) = <u>6.0</u>
$Ω_0$ (System overstrength factor) = 2.0
I_P (Importance factor) = 1.5
z/h (Height factor ratio) = <u>1.0 (Sds=2.0), 0.0 (Sds = 2.5)</u>
Equipment or Component Natural Frequencies (Hz) = <u>See Attachment</u>
Overall dimensions and weight (or range thereof) = <u>See Attachment</u>
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) = <u>OSP-0577-10</u>
Ω_0 (System overstrength factor) =
C₄ (Deflection amplification factor) = BY:Ali Sumer
$I_{\rm P}$ (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): Product and Subcomponent matrices, UUT summaries
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022
Atra
Signature: Date: Date: February 25, 2019
Print Name: Ali Sumer Title: DSE
Special Seismic Certification Valid Up to : S _{DS} (g) = <u>See Above</u> z/h = <u>See Above</u>
Condition of Approval (if applicable):
Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs
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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1800422



Manufacturer:	Acuity Brands						TABL	F 1
Model Line:	nLight, Fresco							-⊾
Certified Product Cor	nstruction Summary:							
	ARP Relay Panels; 16 ga.							
Acuity Brands, Fresco	> LMP Lighting Manageme	ent Panels;	18 ga. Car	bon steel				
Certified Options Sur	mmary:							
LM4D (Dimmer	 LM2B (DALI Cont 	•						
•LM4A (Dimmer)	•LME 924 (Emerg	gency Modu	ule)					
LM4L (Dimmer)	 LM4R (Switch) 							
Mounting Configurat	tion:							
Wall mounted - rigid		10	R CO	DE				
Note: Installed mounting o	configuration must be of similar	r configuratio	n and equiva	alent strengt	n and stiffne	ss to those tes	sted.	
Building Code: CBC 2	016	Sejsmir (Certificati	on Limite.		=2.0g z/l		I _P = 1.5
			/ _ ! !			2.5 g z/l	h=0.0	
Model Line	Model	odel		7-10-	Weight ¹	Z	Notes	υυτ
		Depth	Width	Height	(lb.)	C1 H		
nLight —	ARP INTEN <mark>C32 N</mark> LT	6.0	20.1	32.0	73	32 - Relay		1
112.6.14	ARP INTEN <mark>C48 N</mark> LT	^B 6.0 A	20.1	40.0	95	48 - Relay		2
Fresco	LMPM	3.5	20.9	47.5	69	<mark>6 Mo</mark> dule	installed, max	3
110300		D3.5E:	0 20.92 6	/ 261.49	103	9 Module installed, max		4
	E					V		
	173							
	~	PAV.						
		A			50.			
		1	UILD	ING				
					1			

¹ Weight includes field wiring.

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX



Manufacturer: Model Line:	Acuity Brands nLight		Table Description: Enclosures and Electri	cal Components	TABLE	2	
Building Code: CBC 2	2016	Seismic Certificatio	on Limits: $S_{DS} = 2.0 g z/h = 1.0$ $S_{DS} = 2.5 g z/h = 0.0$	l _P = 1.5			
Component Type	Manufacturer	Model	R CODR	Not	tes	υυτ	
Eu el e eu e	A suitu Dusu da	ARP INTENC32	6.0"x20.1"x32.0", 37 lbs-16 ga. Carbon Steel			1	
Enclosure	Acuity Brands	ARP INTENC48	6.0"x20.1"x40.0", 55 lbs - 16 ga. Carbon Steel			2	
Delay	llangfa	SPR20	Single Pole Relays			1	
Relay	Hongfa	FCR40	Field Configurable Relays			2	
Power Supply	Acuity Brands	MVOLT (PS100)	120-277VAC			1,2	
Transformer	Craftsmen	210042FB	347 Input Voltage 277 Output voltage	Available with 32 or 4	48-Relay Encl.	1,2	
		O BY: 7	li Sumer				
		C DATE	:02/26/2019				
		E, V	0				
		1 FE					
		P.					
		A INTA	CON				
			BUILDING				

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX



Manufacturer:	Acuity Brands	Table Description: Enclosures and Electrical Components TABLE					
Model Line:	Fresco						
Building Code: CBC 2	2016	Seismic Certifica	tion Limits: $S_{DS} = 2.0 g z/h = 1.0$ $S_{DS} = 2.5 g z/h = 0.0$	$I_{P} = 1.5$			
Component Type	Manufacturer	Model	Description	Note	S	UUT	
Freelassure	A suitu Dus a da	LMPM	3.5"x20.9"x47.5", 30 lbs-18 ga. Carbon Steel	6 - Module Enclosure		3	
Enclosure	Acuity Brands	LMPL	3.5"x20.9"x61.4", 38 lbs - 18 ga. Carbon Steel	9 - Module Enclosure		4	
Circuit Breaker	Eaton	FAZ-D20/1-NA-SP	120/277V, 20 AMP			3,4	
Controller		801-0026-007	Controller Assembly			3,4	
		LM4A	weight: 4 lbs	Advanced phase dimm	ning module	3,4	
Dimmer		LM4D	weight: 2 lbs	Phase dimming modu	le	3	
	Acuity Brands	LM4L BY:	Aweight: 2lbsmer	0-10v module		3	
Switch		LM4R	weight: 2 lbs	Relay module		3	
DALI Controller		LM2B DAT	Eweight: 2 fbs 2019	DALI Controller		3	
Emergency Module		LME 924	weight: 1 lbs	Sets all modules to em	nergency cond.	3,4	
		TTT I					
		PA					
		L'I	CON				
			BUILDING				



Manufactı Model Line	•					
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _P
1	nLight relay panel ARP INTENC32 NLT 32 SPR CNDV 3VB HLK SM	D296933	ATS, Inc.	2.0 2.5	1.0 0.0	1.5
2	nLight relay panel ARP INTENC48 NLT 48 FCR CNDV 4VB	D296933	ATS, Inc.	2.0 2.5	1.0 0.0	1.5
3	Fresco relay panel LMPM EM 2A1D1B1L1R MVOLT 4ML 20A	D296933	ATS, Inc.	2.0 2.5	1.0 0.0	1.5
4	Fresco relay panel LMPL EM 9A MVOLT 4ML 20A	D296933	ATS, Inc.	2.0 2.5	1.0 0.0	1.5
		EP PORUDO	COMP			
	127	USHPL	E T T			
	REI	OSP-0577-10	CE			
	0	BY:Ali Sumer	£O			
	CAL	DATE:02/26/201	9 07 0			
	Tra	P.				
		BUILDING	COD			
Notes:						



	Summary: RP Relay Pa t Summary			K SM	Serial Nu	ımber:	unknowr		JUT	<u> </u>
Product Construction S Acuity Brands, nLight Al Options/Subcomponen 32 Relay Enclosure, Key	Summary: RP Relay Pa t Summary	anels; 16 ga. Carbon s		K SM	Serial Nu	ımber:	unknowr	1		
Acuity Brands, nLight Al D ptions/Subcomponen 32 Relay Enclosure, Key	RP Relay Pa		steel							
32 Relay Enclosure, Ke	-	~								
32 Relay Enclosure, Ke	-	/:								
MVOLT 120-277VAC Po Craftsmen (210042FB)	wer Supply									
	Tansionne	E	OR (CODE	COL					
		AN A	UUT P	roperties		*				
Weight		Dimension (in.)				TV I	1	l Frequency (Hz)		
	Depth	Width	-SP = 1	eight 577-10		-Back	Side			
73	6.0	20.1		32.0	**************	N/A N/A		/A	N/A	
 Puilding Cod	10	UUT Highest I		C 1 1m O 1	e //	N////		۸ (m)	۸ (m)	A (a
Building Code		Test Criteri		S _{DS} (g) 2.0	z/h 1.0	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
CBC 2016		CICC-ES AC156 (2015)		26/2301	9 0.0	1.50	3.20	2.40	1.67	0.67
Fest Mounting Details: - 5/16 Hex Lag Screw 18-8 Stainless Steel	vs,	Detail A (4x)		16.00"	2	9.00"	2	Deta	il A)

TRU PROJECT NO. 1800422

Manufacturer: Model Line:	Acuity Bran nLight	lds						l	JUT	2	
Model Number:	-	C48 NLT 48FCR CND	OV 4VB HL	K SM	Serial Nu	umber:	410-9797	77-001			
Product Construct											
Acuity Brands, nLi	ght ARP Relay Pa	nels; 16 ga. Carbon	steel								
Options/Subcomp	=	•									
•48 Relay enclosur											
•48-Field Configura	•										
•MVOLT (120-277V •Craftsmen (21004		•									
ChartSinen (21004		T	OR	CODE	C						
					COM						
Weight		Dimension (in.)	UUTP	roperties		1 owos	t Natural	Froquon	cy (Ца)		
(lb.)	Depth	Width Height			Front	Lowest Natural Front-Back Side-				-) /ertical	
95	6.0	20.1 $PSP - 0.0$					N/A		N/A		
		UUT Highest						/		/	
Building Code		Test Crite		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
CBC 2016		CC-ES AC156	(2015)	2.0	1.0	1.50	3.20	2.40	1.67	0.67	
		DAT.	E: 0'2/	26/22501	9 0.0	7					
Test Mounting De						N	100	100 - 100 CT	ALC: NO.	-	
- 5/16 Hex Lag 18-8 Stainless		16.	00"		4	,	10.00	100	-	-	
10-0 Staimess	Sleel		Contraction of the second seco		CODE		100	1		100	
			BUT	DING	0				D		
								-			
				37.00"			358	1200	1991		
	Detail	A (4x)		()				Deta	ail A		
		A SIGN TO	11/20 -	CS AC							
		re using Qty. (4) - 5/		-				(a tabla t	~~ t		
	• •	y and remained fun per operating condi	•		lurerrequ	lirement	aller slia	ke table t	est.		
contents were life	taaca in testing p										

TRU PROJECT NO. 1800422



Manufacturer:	Acuity Brai	nds							ว										
Model Line:	Fresco						Ľ	JUT	3										
Model Number:	ARP INTEN	C48 NLT 48FCR CND	V 4VB HLK SM	Serial Nu	mber:	unknow	n												
Product Construc Acuity Brands, Fre		g Management Pane	ls; 18 ga. Carbon ste	el															
Options/Subcom	onent Summary	/:																	
•LMPM enclosure	-		•LM4L (Dimmer) (1x)															
Controller/Power			•LM4R (Switch)																
Circuit Breaker (F			•LM2B (DALI Co		1x)														
LM4A (Dimmer) (2		, , ,	•LME 924 (Em		•	1x)													
•LM4D (Dimmer) (•	F	ORCODE	Co	/(,													
		18P	UUT Properties	A,															
Weight								al Frequency (Hz)											
(lb.)	Depth	Width	Height	Height Front-Back Side-Side		Side-Side		Front-Back Side		Front-Back Side-Side		Front-Back Side-Si		Front-Back Side-Side		Front-Back Side-Side		Ver	tical
69	3.5	20.9	47.5	N/A C		N/A		N/A N/A											
		UUT Highest	Passed Seismic Run	Informat	ion														
Building Code		Test Criter	ria S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (§										
CBC	2016	CC-ES AC156	(2015) 2 / 2 6 /2.50 1	1.0 9 0.0	1.50 ~~	3.20	2.40	1.67	0.67										
<i>Test Mounting De</i> - 5/16 Hex Lag 18-8 Stainless	Screws,	Detail A		43.63"	2°		De	tail A											
The unit maintain	ed structural inte	ire using Qty. (4) - 5/. egrity and remained per operating condit	functional per manu				shake tab	ole test.											

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TRU PROJECT NO. 1800422



Model Line: Model Number: Product Construct Acuity Brands, Fres									Л	
Product Construct								JUT	4	
	ion Summary:	IC48 NLT 48FCR CND	V 4VB HLK SM	Serial Numb	ber:	unknow	n			
	-	g Management Pane	ls; 18 ga. Carbon ste	el						
Options/Subcompo LMPM enclosure, Controller/Power Circuit Breaker (FA LM4A (Dimmer) (9)	(6 module enclo supply (801-002 AZ-D20/1-NA-SF	osure) •LME 9: 26-007)	24 (Emergency Mod	ule) (1x)						
		L. S. P	UUT Properties	M.S.						
Weight		Dimension (in.)	Sorrioperdes	1	owest	Natural	Frequen	cv (Hz)		
(lb.)	Depth	Width			ack				Vertical	
103	3.5	AT 20.9	DSP-0577-10 61.4	N/A				N/A		
I		UUT Highest	Passed Seismic Run		n					
Building Code		Test Criter	ia S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
CBC 2016		CC-ES AC156 (2015) 2 / 2 6 /250 1	1.0 9 0.0	1.50	3.20	2.40	1.67	0.67	
Test Mounting Det - 5/16 Hex Lag S		Detail A (4x)	17.00"	CONE	v		De	tail A)	

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