

#### OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

#### APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

**APPLICATION #: OSP-0246** 

#### OSHPD Special Seismic Certification Preapproval (OSP)

Type:

X Renewal

#### Manufacturer Information

New

Manufacturer: Edwards, A division of UTC Fire & Security America

Manufacturer's Technical Representative: Steve Tabb

Mailing Address: 8985 Town Center Parkway, Bradenton, FL 34202

Telephone: (941) 739-4328

Email: steven.tabb@carrier.com

#### **Product Information**

Product Name: Electrical Control Panels on Life Safety/Critical Branch

Product Type: Fire Alarm & Security Panels

Product Model Number: Varies (See Attachment)

General Description: Fire Alarm Control Panels: Mohammad Aliaari

Mounting Description: Rigid, Wall Mounted

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: TRU Compliance, by Structural Integrity Associates, Inc.

Contact Person: Galen Reid

Mailing Address: 5215 Hellyer Ave. Suite 210, San Jose, CA 95138

Telephone: (844) 878-0200 Email: greid@structint.com

Title: Program Manager

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





#### OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test I	Report(s)
Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.	
Name: Andrew Coughlin California License Number: S6082	2
Mailing Address: 5215 Hellyer Ave, Suite 101, San Jose, CA 951381025	
Telephone: (415) 635-8461 Email: acoughlin@structint.com	
Certification Method	
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693	B NEBS 3
Other (Please Specify):	
FORCODECO	
Testing Laboratory	
Company Name: ANCO ENGINEERS, INC.	
Contact Person: Paul Ibanez	
Mailing Address: 1965 33rd Street, Suite A, Boulder CO 80301	
Telephone: (303) 443-7580 Email: paul@ancoengineers.com	
DATE: 06/14/2021	
S	
FRANCE CODE. 25	
ABUILDING	

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0246

**OSHPD** 



# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Desig	n Basis of Equipment or Components	(Fp/Wp) = 1.88		
	SDS (Design spectral response accele	eration at short period, g) = $2.5$		
	ap (Amplification factor) =	2.5		
	Rp (Response modification factor) =	6.0		
	$\Omega_0$ (System overstrength factor) =	2.0		
	Ip (Importance factor) =	1.5		
	z/h (Height ratio factor) =	1		
	Natural frequencies (Hz) =	See Attachment		
	Overall dimensions and weight =	See Attachment		
OSHI	PD Approval (For Office Use Only	) - Approval Expires on 12/31/202	51	
Date:	6/14/2021	OSP-0246	m	
Name	e: Mohammad Aliaari		Title:	Senior Structural Engineer
Specia	al Seismic Certification Valid Up to: S	bs (g) = 2.5	z/h =	1
Condi	tion of Approval (if applicable):	DATE: 06/14/2021		
	CF	TORNIA BUILDING CODE	6102	

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

OSHPD



Manufacturer:	Edwards, a Div. of UTC	Fire & Sec	urity Amer	rica Corp.,	Inc.		TABLE	1
Model Line:	Custom Fire Alarm Cor	ntrol Panel	S					<b>L</b>
<b>Certified Product Cons</b>	struction Summary:							
14 gauge carbon steel	enclosure							
Certified Options Sum	mary:							
<i>Mounting Configuration</i> Wall mounted - rigid Note: Installed mounting co	<b>on:</b> onfiguration must be of simila	CV -	R CO		77	ss to those tested.		
Building Code: CBC 20		10	Certificatio	DD		2.5 g z/h=1.0	<b>I</b> <sub>P</sub> =	1.5
Madelline	R	Di	mensions	(in) 6	Weight		too	
Model Line	Model	Depth	Width	Height	(lb)	NO	tes	UUT
	3X-SF <mark>S1-B</mark>	BY7 Mo	ha <del>22</del> m	ad 36iaa	ari 96	Bronze Door		1
EST-3X	3X-SF <mark>S1-R</mark>	7	22	36	96	Red Door		Interp.
	VM- <mark>1S</mark>	6.75	21,75	35.5	96	<mark>Silve</mark> r Door		2
EST-VM	VM-1R	6.75	21.75	35.5	96	Red Door		Interp.
	9		4		-	$\sim$		
					N V			
		00			OF!			
		TVIA		LUG C	,OY			
		A	BUILI	DING				

#### **TRU PROJECT NO. 2001221**



anufacturer:	Edwards, a Div. of UTC	Fire & Secu	urity Amer	ica Corp.,	lnc.		ТА	BLE 2
lodel Line:	Custom Fire Alarm Cor							
	onstruction Summary:							
6 gauge carbon ste	el enclosure							
artified Options Su								
ertified Options Su	immary:							
lounting Configura	ition:	-0	RCO	DECO				
/all mounted - rigid								
ote: Installed mounting	configuration must be of simila	r configuratio	n and equiva	alent strengtl	n and stiffnes	s to tho	se tested.	
uilding Code: CBC	2019	Seismic C	ertificatio	on Limits:	<b>S</b> <sub>DS</sub> =	2.5 g	z/h=1.0	<i>I</i> <sub>P</sub> = 1.5
	8	Dir	nensions	(in) 6	Weight			
Model Line	Model	Depth	Width	Height	(lb)	77////	Notes	UUT
	IO64 <mark>G-PG</mark>	RV <sup>4</sup> Mo	h14.25	ad 21.5 a	<mark>iri 1</mark> 6			Extra
	IO64 <mark>G-SP</mark>	4	14.25	21.5	16	0		Extra
	iO6 <mark>4G</mark>	4	14.25	21.5	16			Extra
	iO64GD	DAIE:	14.25	21.5	16			Extra
	iO64R	4	14.25	21.5	16			Extra
	iO64RD	4	14.25	21.5	16			Extra
	IO64G-2-PG	0_4	14.25	21.5	16			Extra
	I064G-2-SP	4/1	14.25	21.5	16			Extra
	i064G-2	4	14.25	21.5	16			Extra
	iO64R-2	4	14.25	21.5	16			Extra
Small	iO64GL	4	14.25	21.5	16			Extra
Analog	iO64GL-F	4	14.25	21.5	16			Extra
System	E-FSA64G	4	14.25	21.5	16			Extra
	E-FSA64GD	4	14.25	21.5	16			Extra
	E-FSA64R	4	14.25	21.5	16			Extra
	E-FSA64RD	4	14.25	21.5	16			Extra
	FX-64G	4	14.25	21.5	16			Extra
	FX-64GD	4	14.25	21.5	16			Extra
	FX-64R	4	14.25	21.5	16			Extra
	FX-64RD	4	14.25	21.5	16			Extra
	FX-64G-2	4	14.25	21.5	16			Extra
	FX-64R-2	4	14.25	21.5	16			Extra
	17-041-2	-	17.25	21.5				

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#### **TRU PROJECT NO. 2001221**



anufacturer:	Edwards, a Div. of UT	C Fire & Secu	urity Amer	rica Corp.,	lnc.		ТА	BLE 2
lodel Line:	Custom Fire Alarm Co							
	nstruction Summary:							
6 gauge carbon ste	el enclosure							
artified Options Su								
ertified Options Su	mmary:							
lounting Configura	tion:	-0	RCO	DECO				
/all mounted - rigid		COFU			MA			
ote: Installed mounting	configuration must be of simila	ar configuratio	n and equiva	alent strengt	n and stiffnes	s to tho	se tested.	
uilding Code: CBC	2019	Seismic C	ertificatio	on Limits:	<b>S</b> <sub>DS</sub> =	2.5 g	z/h=1.0	<i>I</i> <sub>P</sub> = 1.5
	8	Dir	nensions	(in) 6	Weight			
Model Line	Model	Depth	Width	Height	1777/1/1	(lb)	Notes	UUT
	ADT-FS <mark>A64G</mark> D	BV4 Mo	h14.25	ad21.5a	ari 16			Extra
	ADT-F <mark>SA64R</mark>	4	14.25	21.5	16	0		Extra
	ADT-FS <mark>A64RD</mark>	4	14.25	21.5	16			Extra
	VS1-G	DALE:	14.25	21.5	16			Extra
	VS1-G-2	5	14.25	21.5	16	2		Extra
	VS1-G-2-PG	5	14.25	21.5	16			Extra
	VS1-G-2-SP	0.5	14.25	21.5	16			Extra
	VS1-GD	5/1	14.25	21.5	16			Extra
	VS1-GL	5	14.25	21.5	16			Extra
	VS1-GL-F	5	14.25	21.5	16			Extra
Small	VS1-G-PG	5	14.25	21.5	16			Extra
Analog	VS1-G-SP	5	14.25	21.5	16			Extra
System	VS1-R	5	14.25	21.5	16			Extra
	VS1-R-2	5	14.25	21.5	16			Extra
	VS1-RD	5	14.25	21.5	16			Extra
	VS1	5	14.25	21.5	16			9
	FX-254G	4	15.75	28	27			5
	FX-254GD	4	15.75	28	27			Inter
	FX-1000	4	15.75	28	27			Inter
	FX-254R	4	15.75	28	27			Inter
	FX-1000D	4	15.75	28	27			Inter
	FX-254RD	4	15.75	28	27			Inter
	FX-ZJ4KD	4	13.15	20	21			

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#### **TRU PROJECT NO. 2001221**



anufacturer:	Edwards, a Div. of UTC	C Fire & Sec	urity Amer	ica Corp.,	Inc.		Т	BLE 2	
lodel Line:	Custom Fire Alarm Co	Custom Fire Alarm Control Panels							
	nstruction Summary:								
6 gauge carbon stee	el enclosure								
autified Outions Cu									
ertified Options Su	mmary:								
lounting Configura	tion:	-0	RCOL	DECA					
/all mounted - rigid		COFU			4				
ote: Installed mounting	configuration must be of simila	ar configuratio	n and equiva	lent strengtl	n and stiffnes	s to thos	e tested.		
uilding Code: CBC 2	2019	Seismic C	ertificatio	on Limits:	S <sub>DS</sub> =	2.5 g	z/h=1.0	I <sub>P</sub> = 1.5	
	4	Dir	nensions	<b>6</b>	Weight	2			
Model Line	Model	Depth	Width	Height	Weight (lb)		Notes	UUT	
	E-FSA250G	BV4 Mc	<u>15.75</u>	ad $\frac{28}{12}$	<b>1</b> 27			Inter	
	E-FSA250GD	4	15.75	28	27	0		Inter	
	E-FSA250R	4	15.75	28	27			Inter	
	E-FSA250RD	DATE:	15.75	2021	27			Inter	
	ADT-FSA250G	4	15.75	28	27			Inter	
	ADT-FSA250GD	4	15.75	28	27			Inter	
	ADT-FSA250R	0_4	15.75	28	27			Inter	
	ADT-FSA250RD	4/1	15.75	28 0	27			Inter	
	VS4-G	4.5	15.75	28	27			Inter	
	VS4-GC	4.5	15.75	28	27			Inter	
Small	VS4-GD	4.5	15.75	28	27			Inter	
Analog	VS4-GF	4.5	15.75	28	27			Inter	
System	VS4-G-PG	4.5	15.75	28	27			Inter	
	VS4-G-SP	4.5	15.75	28	27			Inter	
	VS2-G	4.5	15.75	28	27			Inter	
	VS2-GD	4.5	15.75	28	27			Inter	
	VS4-R	4.5	15.75	28	27			Inter	
	VS2-R	4.5	15.75	28	27			Inter	
	VS4-RD	4.5	15.75	28	27			Inter	
	VS2-RD	4.5	15.75	28	27			Inter	
	VS4-G-2	4.5	15.75	28	27			Inter	
	VS4-G-2-PG	4.5	15.75	28	27			Inter	
	V34-0-2-P0	4.5	15.75	20	21				

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#### **TRU PROJECT NO. 2001221**



Manufacturer:	Edwards, a Div. of UT		-	rica Corp.,	Inc.	ТΔ	BLE 2
Model Line:	Custom Fire Alarm Co						
	nstruction Summary:						
l6 gauge carbon stee	el enclosure						
Certified Options Su	mmary:						
Mounting Configura	tion:		D CO	DEA			
Nall mounted - rigid		nFU	RUU	DECO	ha.		
-	configuration must be of simila					se tested.	
	2010	Sojamia	ortificati	on Limits:	$S_{DS} = 2.5 g$	-/b-1 0	I <sub>P</sub> = 1.5
Building Code: CBC 2	2019	Seisinic	erincalio	on Linnes:	3 <sub>DS</sub> - 2.3 g	2/11-1.0	I <sub>P</sub> - 1.5
Model Line	Model	Dir	nensions	(in) 6	Weight M	Notes	υυτ
Model Elle		Depth	Width	Height	(lb)	Hotes	
	VS2- <mark>G-2</mark>	B\4.5Mc	h <b>15.75</b> m	ad <mark>A</mark> liaa	ri 27		Interp
	VS4- <mark>R-2</mark>	4.5	15.75	28	27 0		Inter
	VS2- <mark>R-2</mark>	4.5	15.75	28	27		Inter
	IO100 <mark>0G</mark>	4.5	15.75	28	27		Inter
	IO1000G-PG	4.5	15.75	28	27		Interp
	IO1000G-SP	4.5	15.75	28	27		Inter
	IO1000R	4.5	15.75	28	27		Interp
	iO500G	4.5/	15.75	28	27		Inter
	IO1000GD	4.5	15.75	28	27		Interp
	iO500R	4.5	15.75	28	27		Interp
Small Analog	IO1000RD	4.5	15.75	28	27		Interp
System	iO500RD	4.5	15.75	28	27		Interp
	IO1000G-2	4.5	15.75	28	27		Interp
	IO1000G-2-PG	4.5	15.75	28	27		Interp
	IO1000G-2-SP	4.5	15.75	28	27		Inter
	IO1000R-2	4.5	15.75	28	27		Inter
	iO500G-2	4.5	15.75	28	27		Inter
	IO1000G-CA	4.5	15.75	28	27		Inter
	IO1000G-F	4.5	15.75	28	27		Interp
	iO500GL-F	4.5	15.75	28	27		Interp
	iO500GD	4.5	15.75	28	27		4
Difference	es in models are branding	g, color, lan	guage trai	nslations, a	and input voltage	(230V denoted b	y "-2").

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Manufacturer:	Edwards, a Div. of UTC Fire & Security America Corp., Inc. <b>TABLE 3</b>										
Model Line:	Custom Fire Alarm Cor		NDLE 3								
Certified Product Co	instruction Summary:										
16 gauge carbon stee	el enclosure										
Certified Options Su	mmary:										
Mounting Configura	tion		2 0 0	De							
Wall mounted - rigid		FO	RCO	UE CO	1						
-	configuration must be of simila				h and stiffnes	ss to those tested.					
		7 6	<b>NCH</b>	DD	1						
Building Code: CBC 2	2019	Seismic C	ertificatio	on Limits:	<b>S</b> <sub>DS</sub> =	2.5 g z/h=1.0	I <sub>P</sub> = 1.5				
Model Line	Model	Dir	nensions	(in)-6	Weight	Notes	UUT				
Model Line	Model	Depth	Width	Height	(lb)	Notes	001				
	APS <mark>10A</mark>	B5.325	15.25 h	ad 26.5 a	ari 69.5		8				
	APS10 <mark>A/230</mark>	5.325	15.25	26.5	69.5	Voltage (software)	Extrap.				
	APS10 <mark>CAA</mark>	5.325	15.25	26.5	<u>6</u> 9.5	<mark>Softw</mark> are	Extrap.				
	MIRAPS10A	5.325	15.25	26.5	69.5	Branding	Extrap.				
<b>Booster Power</b>	MIRAPS10A/230	5.325	15.25	26.5	69.5	Branding	Extrap.				
Supply	XLS-APS10A	5.325	15.25	26.5	69.5	Branding	Extrap.				
	XLS-APS10A/230	5.325	15.25	26.5	69.5	Branding	Extrap.				
	EAPS10A	5.325	15.25	26.5	69.5	Branding	Extrap.				
	EAPS10A/230	5.325	15.25	26.5	69.5	Branding	Extrap.				
	APS10A/230	5.325	15.25	26.5	69.5	Branding	Extrap.				
					1	1					

#### **TRU PROJECT NO. 2001221**



Manufacturer: Model Line:	Edwards, a Div. of UTC Fi EST 3X Fire Alarm Protect	•	<b>Table Description:</b> EST 3X Electrical Comp (All modules are a variation of 3-		TABLE 4	
Building Code: CBC 20	19	Seismic Certificati	on Limits: S <sub>DS</sub> = 2.5 g z/h = 1.0	l <sub>P</sub> = 1.5		
Component Type	Manufacturer	Model	RCODEDescription	Notes	UUT	
Audio Module	UTC -	3X-PMI	Audio System Control and Paging Interface		1	
Audio Module	010	EAEC	Emergency Audio Evacuation Controller		1	
		3-ZA20A	20 Watt Zoned Amplifier, Class A, 25 or 70Vrms	Depopulated 3-ZA40A	Interp.	
Amplifier Medule		3-ZA20B	20 Watt Zoned Amplifier, Class B, 25 or 70Vrms	Depopulated 3-ZA40A	Interp.	
Amplifier Module	UTC —	3-ZA40A	40 Watt Zoned Amplifier, Class A, 25 or 70Vrms		1	
		3-ZA40B RV. M	40 Watt Zoned Amplifier, Class B, 25 or 70Vrms	Depopulated 3-ZA40A	Interp.	
Communications	LITC	3-MODCOM	Modem Communicator and Dialer	Depopulated 3-ZA40A	Interp.	
Module	UTC —	3-MODCOMP	Modem Communicator/Dialer w/ pager option	Depopulated 3-ZA40A	Interp.	
Device Circuit Module	UTC	3-IDC 8/4	Initiating / Indicating Device Circuit Module	Depopulated 3-ZA40A	Interp.	
		3-SDDC1	Signature Dual Driver Controller (LRM)	Depopulated 3-ZA40A	Interp.	
Loop Controller	UTC	3-SSDC1	Signature Single Driver Controller (LRM)	Depopulated 3-ZA40A	Interp.	
		3-AADC1	Analog Driver Controller (LRM)	Depopulated 3-ZA40A	Interp.	
Signal Module	UTC	3-0PS	Off Premise Signal Module	Depopulated 3-ZA40A	Interp.	
Output Module	UTC	CDR3	Bell Coder		1	
		3X-NET8	Network Option Card, RS485, 8 node maximum	Same as VM-NOC/branding/software	Interp.	
		3X-NET	Network Option Card, RS485, Class A/B wiring	Same as 3X-NET/software change	Interp.	
		3X-FIB8	Network Option Card, Fiber, 8 node maximum		1	
		3X-FIB	Network Option Card, Fiber, 64 node maximum	Same as 3X-FIB8/software change	Interp.	
Communications	UTC	3-FIBMB2	Fiber Card, /w adaptor card, ribbon cable		1	
Module		3X-ETH1	Ethernet Adapter, 10/100, prov. ethernet connection		1	
		3X-ETH2	Ethernet Adapter, 10/100, prov. ethernet connection		Interp.	
		3X-ETH3	Ethernet Adapter, 10/100, prov. ethernet connection		Interp.	
		SMXHI	Single mode plug-in Transceiver- Long Range	Option card used on 3-FIBMB2	Interp.	

#### **TRU PROJECT NO. 2001221**



Manufacturer: Model Line:	Edwards, a Div. of UTC Fi EST 3X Fire Alarm Protec	-	<b>Table Description:</b> EST 3X Electrical Com (All modules are a variation of 3-		TABLE 4	
Building Code: CBC 2	019	Seismic Certificati	on Limits: S <sub>DS</sub> = 2.5 g z/h = 1.0	$I_{P} = 1.5$		
Component Type	Manufacturer	Model	RCODEDescription	Notes	UUT	
		SMXHI2	Single mode plug-in Transceiver-Long Range	Option card used on 3-FIBMB2	Interp.	
Communications		SMXLO	Single mode plug-in Transceiver- Short Range	Option card used on 3-FIBMB2	Interp.	
Module	UTC —	SMXLO2	Single mode plug-in Transceiver- Long Range	Option card used on 3-FIBMB2	Interp	
		CLA-PS10	Class A Adapter, PS10, NAC's		1	
Transeiver Module	UTC	MMXVR	Multimode plug-in Transceiver		1	
Cabinet Accessory	UTC	TRIM6 RV. N	FLASH TRIMO Aliaari		1	
Power Supply	UTC	PS10-4B	Power Supply, Replacement		1	
User Interface	UTC	SFS1-ELEC	Base Electronics w/English Language Inserts		1	
& CPU Module		SFS1i-ELEC	Base Electronics w/International Language Kit Insert	s	Interp	
		4x-LKE	4X Insert Kit EURO ENGLISH		1	
		4x-LKC	4X Insert Kit CHINESE		Interp	
Language Kit	UTC	4x-LKF	4X Insert Kit FRENCH		Interp	
		4x-LKR	4X Insert Kit RUSSIAN		Interp	
		4x-LKS	4X Insert Kit SPANISH		Interp	
		4x-12/S1GY	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp	
		4x-12/S1RY	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp	
		4x-12SR	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp	
		4x-24R	LED Display Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp	
Display Module	UTC	4X-24Y	LED Display Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp	
		4x-12RY	LED Display Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp	
		4x-6/3S1G2Y	LED & Switch Module		1	
		4x-6/3S1GYR	LED & Switch Module	Similar to 4x-6/3S1G2Y	Interp	
		4x-4/3SGYWR	LED & Switch Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp	

TRU Compliance, by Structural Integrity Associates, Inc. 844-TRU-0200 | info@trucompliance.com

06/14/2021

#### **TRU PROJECT NO. 2001221**



Manufacturer: Model Line:	Edwards, a Div. of UTC Fi EST 3X Fire Alarm Protect	-	<b>Table Description:</b> EST 3X Electrical Con (All modules are a variation of 3		TABLE 4	
uilding Code: CBC 2019		Seismic Certificati	on Limits: S <sub>DS</sub> = 2.5 g z/h = 1.0	$I_{P} = 1.5$		
Component Type	Manufacturer	Model	RCODEDescription	Notes	UUT	
		3-12/S1GY	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-12/S1RY	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-12/S2Y	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-12RY	LED Display Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-12SG	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
Display Module UTC		3-12SR RV. N	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
	UTC	3-12SY	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-24G	LED Display Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-24R DATE	LED Display Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-24Y	LED Display Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-4/3SGYWR	LED & Switch Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.	
		3-6/3S1G2Y	LED & Switch Module	Similar to 4x-6/3S1G2Y	Interp	
		3-6/3S1GYR	LED & Switch Module	Similar to 4x-6/3S1G2Y	Interp	
Driver Module	UTC	3-LDSM	Annunciator Driver Module (LRM)	Depopulated 3-ZA40A	Interp.	
		4X-LRMF	Blank LRM Filler		Interp.	
Cabinet Accessory	UTC	3-TAMP	Tamper Switch		1	
		4X-DR	Blank, Annunciator Door Asembly	Depopulated/fewer LED display modules	Extrap	

06/14/2021

#### **TRU PROJECT NO. 2001221**



Manufacturer: Model Line:	Edwards, a Div. of UTC Fi EST VM Fire Control Prote	-	Table Description: EST VM Electrical Com	ponents	TABLE 5	;
Building Code: CBC 2	019	Seismic Certificati	on Limits: S <sub>DS</sub> = 2.5 g z/h = 1.0	I <sub>P</sub> = 1.5		
Component Type	Manufacturer	Model	RCODEDescription	Note	s	UUT
		VM-PMI	Audio System Control /Paging Interface			2
		VM-MEK	Master Firefighters telephone Kit			2
Audio Module	UTC —	ACHS	Audio Channel Selector, 1 channel			2
		AMK-RN	Audio mounting kit			2
Control Module	UTC	EAEC	Emergency Audio Evacuation Controller			2
Display Module	UTC	D12LS-VM BY. N	Control/Indicating Display			2
Loop Module	UTC	VM-SLC	Loop Expansion, VM systems			2
		VM-DACT	Dialer, dual line	Same as SA-DACT/bra	nding li	nterp
		VM-NOC DATE	Network Option Card, RS485			2
		VM-NOCF	Fiber Optic Communications Interface	3X-FIB8 w/Software ch	iange li	nterp
		SMXHI	Single mode plug-in Transceiver- Long Range	MMXVR w/Frequency of	hange li	nterp
Company and the second		SMXHI2	Single mode plug-in Transceiver- Long Range	MMXVR w/Software ch	ange li	nterp
Communication Module	UTC	SMXLO	Single mode plug-in Transceiver- Short Range	MMXVR w/Frequency of	hange li	nterp
Module		SMXLO2	Single mode plug-in Transceiver- Short Range	MMXVR w/Software ch	ange li	nterp
		VM-ETH1	Ethernet Adapter Module			2
		VM-ETH2	Ethernet Adapter Module		li	nterp
		VM-ETH3	Ethernet Adapter Module		li	nterp
		CLA-PS10	Class A Adapter, PS10 NAC's			2
Transeiver Module	UTC	MMXVR	Multimode plug-in Transceiver			1
Iser Interface/CPU Mod	I. UTC	VM-ELEC	Base Electronics			2
Power Supply	UTC	PS10-4B	Power Supply, Replacement			2
Output Module	UTC	CDR3	Coder Module			2
Cabinet Accessory	UTC	3-TAMP	Tamper Switch			2

#### **TRU PROJECT NO. 2001221**



Manufacturer: Model Line:	Edwards, a Div. of UTC Fir EST Small Analog Fire Pro	-	Table Description: EST Small Analog Electronic Street Electronic S	ctrical Components	TABLE 6
Building Code: CBC 2	019	Seismic Certific	vation Limits: $S_{DS} = 2.5 g z/h = 1.0$	I <sub>P</sub> = 1.5	
Component Type	Manufacturer	Model	FORCODEDescription	Note	es UUT
Cobinat Accessory	UTC	SA-TRIM1	Small Cabinet Trim Kit for semi-flush mt.		9
Cabinet Accessory		SA-TRIM2	Large Cabinet Trim Kit for semi-flush mt.		4
		SA-DACT	Dialer		4
		SA-232	RS232 Module		4
Communication Module	UTC	SA-USB	USB Module	Similar to SA-232	Interp.
Module		SA-CLA RV.	Class A Adapter Aliaari		4
		SA-ETH	Ethernet Adapter		4
		D16L-iO-x	16 Zone Front Panel LED Annunciator		4
		D8RY-iO-x	16 Zone Front Panel LED Annunciator		Interp
Display Module	UTC	D16L-VS	16 Zone Front Panel LED Annunciator		Interp
		D8RY-VS	16 Zone Front Panel LED Annunciator		Interp
		D16L-Fa	16 Zone Front Panel LED Annunciator		5
		FX-SLC2	SLC Loop Driver		Interp
		XAL250	SLC Loop Driver		4
		iO-SDC1	SLC Loop Driver		Interp
		iO-SDC2	SLC Loop Driver		Interp
Loop Module	UTC	V-SLC2-1	SLC Loop Driver		Interp
		V-SLC2-2	SLC Loop Driver		Interp
		V-SLC	SLC Loop Driver		Interp
		FX-SLC1	SLC Loop Driver		Interp
		XAL127	SLC Loop Driver		5
User Interface	UTC	RZI-MPL	Mounting Bracket		8
& CPU Module	UTC —	iO64-RE	Electronic replacement part/Single Loop		Interp.

#### **TRU PROJECT NO. 2001221**



Manufacturer: Model Line:	Edwards, a Div. of UTC F EST Small Analog Fire Pi	-	Table Description: EST Small Analog Elec	ctrical Components	TABLE	6
Building Code: CBC 20	019	Seismic Certificati	on Limits: S <sub>DS</sub> = 2.5 g z/h = 1.0	I <sub>P</sub> = 1.5		
Component Type	Manufacturer	Model	RCODEDescription	Not	es	UUT
		64elec-i0	Electronic replacement part/Single Loop	Depopulated 500elec	:-iO	Interp.
		iO64-RE-SP	Electronic replacement part/Spanish	Similar to 64elec-iO. Ins	stalled w/iO-SDC1	Interp.
		64elec-iO-SP	Electronic replacement part/Spanish	Depopulated 500elec-i0	D/language	Interp.
		iO <mark>64-RE</mark> -PG	Electronic replacement part/Portuguese	Similar to 64elec-iO. Ins	stalled w/iO-SDC1	Interp.
		6 <mark>4elec-</mark> iO-PG	Electronic replacement part/Po <mark>rtugu</mark> ese	Depopulated 500elec-i0	D/language	Interp.
		iO64-RE-F	Electronic replacement part/French	Similar to 64elec-iO. Ins	stalled w/iO-SDC1	Interp.
		6 <mark>4elec</mark> -iO-FR	Electronic replacement part/French	Depopulated 500elec-i0	D/language	Interp.
		IO1000-RE	Electronic replacement part/Dual Loop	Similar to 500elec-iO. Ir	nstalled w/iO-SDC1	Interp.
		5 <mark>00elec</mark> -iO	Electronic replacement part/Dual Loop			5
		IO1000-RE-SP	Electronic replacement part/Spanish	Similar to 500elec-iO. Ir	nstalled w/iO-SDC1	Interp.
line and a firm		500elec-iO-SP	Electronic replacement part/Spanish	Depopulated 500elec-i0	D/language	Interp.
User Interface & CPU Module	UTC	IO1000-RE-PG	Electronic replacement part/Portuguese	Similar to 500elec-iO. Ir	nstalled w/iO-SDC1	Interp.
		500elec-iO-PG	Electronic replacement part/Portuguese	Depopulated 500elec-i0	D/language	Interp.
		IO1000-RE-F	Electronic replacement part/French	Similar to 500elec-iO. Ir	nstalled w/iO-SDC1	Interp.
		500elec-iO-FR	Electronic replacement part/French	Depopulated 500elec-i0	D/language	Interp.
		VS1-RE	Electronic replacement part/Single Loop	Similar to 64elec-VS. In	stalled w/V-SLC-1	Interp.
		64elec-VS	Electronic replacement part/Single Loop	Depopulated 500elec-i0	D/language	Interp.
		VS1-RE-SP	Electronic replacement part/Spanish	Similar to 64elec-VS. In	stalled w/V-SLC-1	Interp.
		64elec-VS-SP	Electronic replacement part/Spanish	Depopulated 500elec-i0	D/language	Interp.
		VS1-RE-PG	Electronic replacement part/Portuguese	Similar to 64elec-VS. In	stalled w/V-SLC-1	Interp.
		64elec-VS-PG	Electronic replacement part/Portuguese	Depopulated 500elec-i0	D/language	Interp.
		VS1-RE-F	Electronic replacement part/French	Similar to 64elec-VS. In	stalled w/V-SLC-1	Interp.
		64elec-VS-FR	Electronic replacement part/French	Depopulated 500elec-i	D/language	Interp.

TRU Compliance, by Structural Integrity Associates, Inc.

#### **TRU PROJECT NO. 2001221**



Manufacturer: Model Line:	Edwards, a Div. of UTC F EST Small Analog Fire P	-	Table Description: EST Small Analog Electron	ctrical Components	TABLE	6
Building Code: CBC 20	019	Seismic Certificati	ion Limits: S <sub>DS</sub> = 2.5 g z/h = 1.0	I <sub>P</sub> = 1.5		
Component Type	Manufacturer	Model	RCODEDescription	Not	es	UUT
		VS4-RE	Electronic replacement part/Dual Loop	Similar to 500elec-VS. I	nstalled w/V-SLC-1	Interp.
		500elec-VS	Electronic replacement part/Dual Loop	500elec-iO/language ch	ange	Interp.
		VS4-RE-SP	Electronic replacement part/Spanish	Similar to 500elec-VS. I	nstalled w/V-SLC-1	Interp.
		500elec-VS-SP	Electronic replacement part/Spanish	500elec-iO/language ch	ange	Interp.
		V <mark>S4-R</mark> E-PG	Electronic replacement part/Portuguese	Similar to 500elec-VS. I	nstalled w/V-SLC-1	Interp.
		50 <mark>0elec</mark> -VS-PG <sub>RV</sub> .	Electronic replacement part/Portuguese	500elec-iO/language ch	ange	Interp
		VS4-RE-F	Electronic replacement part/French	Similar to 500elec-VS. I	nstalled w/V-SLC-1	Interp
User Interface & CPU Module	LITC	50 <mark>0elec</mark> -VS-FR	Electronic replacement part/French	500elec-iO/language ch	ange	Interp
	UTC -	64elec-FSA	Electronic replacement subassembly	Depopulated 254elec-F	SA	Interp
		254 <mark>elec-FS</mark> A	Electronic replacement subassembly			5
		FX-64-RE	Electronic replacement subassembly	Similar to 64elec-FX. Ins	stalled w/FX-SLC1	Interp
	64elec-FX Electronic replacement subassembly Depopulated 254elec-FX				Х	Interp
		FX-1000-RE	Electronic replacement subassembly	Similar to 64elec-FX. Ins	stalled w/FX-SLC1	Interp
		ADT-64elec- FSA	Electronic replacement subassembly	Depopulated 254elec-F	X/Branding	Interp
		ADT-254elec- FSA	Electronic replacement subassembly	Same as 254elec-FX/Bra	anding	Interp
		254elec-FX	Electronic replacement subassembly			5

#### **TRU PROJECT NO. 2001221**



Building Code: CBC 2019     Seismic Certification Limits:     Source and the state of the state	<b>UUT</b> Extrap
12V1A2     1.2 Ah Sealed Lead Acid Battery; 1.3 lbs.       12V4A     4.5Ah Sealed Lead Acid Battery; 3.9 lbs.       12V6A5     7.2Ah Sealed Lead Acid Battery; 5.4 lbs.	
12V4A4.5Ah Sealed Lead Acid Battery; 3.9 lbs.12V6A57.2Ah Sealed Lead Acid Battery; 5.4 lbs.	Extrap
12V6A5 7.2Ah Sealed Lead Acid Battery; 5.4 lbs.	
	Extrap
	Extrap
Batteries Leoch 12V10A 11Ah Sealed Lead Acid Battery; 7.8 lbs.	Extrap
12V17A 17Ah Sealed Lead Acid Battery; 12.6 lbs.	1,2
12V18A 18 Ah Sealed Lead Acid Battery; 14.8 lbs.	Interp
12V24A 24Ah Sealed Lead Acid Battery; 20.7 lbs.	8
DATE 06/14/2021	



1 2 4 5	Custom Fire Alarm Co nit Description 3X-SFS1-B VM-1S iO500 FACP	Report Number         3318.01         3318.01	<b>Testing Laboratory</b> Anco Engineers, Inc. Anco Engineers, Inc.	<b>S</b> <sub>DS</sub> 2.5	<b>z/h</b> 1	<b>Ι</b> <sub>Ρ</sub> 1.5
2 4 5	VM-1S			2.5	1	1.5
4 5		3318.01	Anco Engineers, Inc			
5	iO500 FACP			2.5	1	1.5
		3318.01	Anco Engineers, Inc.	2.5	1	1.5
_	FX-254 FACP	F 3318.01 ODE C	Anco Engineers, Inc.	2.5	1	1.5
8	APS10A	3318.01	Anco Engineers, Inc.	2.5	1	1.5
9	VS1	<sup>3318.01</sup> -0246	Anco Engineers, Inc.	2.5	1	1.5
		BY Mohammad Ali				
	0					
		DATE: 06/14/2021	/			
	CF	+	<u>\$</u>			
			OF.2			
		ORNIA BUILDING	COL			
Notes:						<u> </u>

### **TRU PROJECT NO. 2001221**



(lb)       Depth       Q         96       7	Ga. carbon ste face. , PS10-4B, CLA DR3, 3-FIBMB2 ension (in) Width 22 UUT Highest I Test Criteri	A-PS10, S 2, 3X-ETH: UUT Pro UUT Pro Bassed Se	ox, door, a FS1-ELEC ( 1. DDE C operties ight 4-6	(w/ 4x-LK	E), 3-SDC Lowes -Back	t Natural Side	A, EAEC, S Frequen Side	cy (Hz) Vert	<b>⊥</b> tical
Product Construction Summary:       Fire alarm control panel comprised of 16 C       internal control electronics with user inter       Options/Subcomponent Summary:       CAB6B, CAB6DR, TRIM6, 3X-FIB8, MMXVR,       17 Ahr Batteries, 4x-6/3S1G2Y, 3-TAMP, CD       Weight     Dim       96     7       Building Code     0       CBC 2019     0	face. , PS10-4B, CL/ DR3, 3-FIBMB2 ension (in) Width 22 UUT Highest F Test Criter	A-PS10, SI 2, 3X-ETH: ORCO UUT Pro OS Hei 3 Passed Se	ox, door, a FS1-ELEC ( 1. DDE C operties ight 46 36	w/ 4x-LK	E), 3-SDC Lowes -Back /A	1, 3-ZA40, t Natural Side- N,	Frequen	cy (Hz) Vert	
Fire alarm control panel comprised of 16 C       internal control electronics with user inter       Options/Subcomponent Summary:       CAB6B, CAB6DR, TRIM6, 3X-FIB8, MMXVR,       17 Ahr Batteries, 4x-6/3S1G2Y, 3-TAMP, CD       Weight       Ubin       96       7       Building Code       CBC 2019	face. , PS10-4B, CL/ DR3, 3-FIBMB2 ension (in) Width 22 UUT Highest F Test Criter	A-PS10, SI 2, 3X-ETH: ORCO UUT Pro OS Hei 3 Passed Se	FS1-ELEC ( 1. DDE C operties ight 46 36	(w/ 4x-LK Front	Lowes -Back /A tion	t Natural Side	Frequen	cy (Hz) Vert	
CAB6B , CAB6DR, TRIM6 , 3X-FIB8, MMXVR 17 Ahr Batteries, 4x-6/3S1G2Y, 3-TAMP, CD Weight (lb) Depth 96 7 Building Code CBC 2019	ension (in) Width 22 UUT Highest F Test Criter	2, 3X-ETH: ORCO UUT Pro OS Hei 3 Passed Se	1. DDE C ight 46 36 ismic Run	Front N Informa	Lowes -Back /A tion	t Natural Side	Frequen	cy (Hz) Vert	
(lb)Depth967Building CodeCBC 2019	ension (in) Width 22 UUT Highest I Test Criteri	UUT Pro	operties ight 46 36 ismic Run	Front N Informa	- <b>Back</b> /A tion	Side- N/	Side	Vert	
(lb)Depth967Building CodeCBC 2019	Width 22 UUT Highest F Test Criter	OS Hei 3 Passed Se	ight 46 36 -ismic Run	N. <b>Informa</b>	- <b>Back</b> /A tion	Side- N/	Side	Vert	
(lb)       Depth       C         96       7       0         Building Code         CBC 2019	Width 22 UUT Highest F Test Criter	3 Passed Se	36 <b>Fismic Run</b>	N. <b>Informa</b>	- <b>Back</b> /A tion	Side- N/	Side	Vert	
96 7 Building Code CBC 2019	22 UUT Highest / Test Criter	3 Passed Se	36 <b>Fismic Run</b>	N. <b>Informa</b>	/A tion	N,			
Building Code CBC 2019	<i>UUT <mark>Highest I</mark> Test Criter</i> i	Passed Se	ismic Run	Informa	tion		A	IN,	/A
Building Code   CBC 2019	Test Criter								
CBC 2019		10	PDS (8/			Δ(σ)	Δ(σ)	A <sub>FLX-V</sub> (g)	Δ(σ)
Test Mounting Details:	ICC-ES ACES	5606/1	4/20521	1.0	1.5	4.0	3.0	1.67	0.67
			PING C	CODE	102				

Contents were included in testing per operating conditions.

### **TRU PROJECT NO. 2001221**



Manufacturer:	Edwards, a	a Div. of UTC Fire & Se	ecurity Am	erica Corp	., Inc.					2
Model Line:	Custom Fi	re Alarm Control Pan	els						JUT	2
Model Number:	VM-1S				Serial Nu	ımber:	N/A			
	iction Summary:									
	ol panel comprise	ed of 16 Ga. carbon ste	eel backbo	ox, door, ai	nd intern	al contro	olelectron	ics with		
user interface.										
• •	nponent Summar	-							··· •	
		S10-4B, CLA-PS10, V№	1-ELEC, VM	I-SLC, ACH	IS, EAEC,	VM-PMI,	,VM-MFK,	17 Ahr Ba	tteries,	
D12L3-Vivi, 3-i ai	mp, VM-ETH1, CDF		0.0							
		F	ORCU	DEC	0.					
		JED	ORCO		Ms,					
		L. C.	UUT Pro			4				
Weight		Dimension (in)		perues		Lowes	st Natural	Frequen	cv (Hz)	
(lb)	Depth	Width	<b>OS</b> Hei	gh246	Front	-Back	1	-Side	<u>, , , ,</u>	tical
96	7	22	3	-	7/7	/A		/A		/A
		UUT Highest	Passed Sei	ismic Run				,		
Buildi	ing Code	Test Criter		S <sub>DS</sub> (g)	z/h	I <sub>P</sub> O	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC	C 2019	ICC-ES AC1	5606/1	4/2.521	1.0	1.5	4.0	3.0	1.67	0.67
				T/ 202				<b>0</b> .0		
Test Mounting D					ODF	20				

using 3/16" standard washers inside the cabinet.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



Manufacturer:	Edwards, a	a Div. of UTC Fire & S	Security An	nerica Corp	., Inc.				JUT	л
Model Line:	Custom Fir	re Alarm Control Pa	nels					,		4
Model Number:	iO500 FACI	D			Serial Nı	umber:	N/A			
<b>Product Constru</b> Fire alarm contro	-	d of 16 Ga. carbon s	steel backb	ox, door, a	nd intern	al contro	ol electron	ics.		
<b>Options/Subcom</b> SA-DACT, XAL250		<i>y:</i> SA-ETH, D16L-iO-x	, TRIM Kit.	DDE C	OMP					
		AND AND	UUT Pr	operties		Z,				
Weight		Dimension (in)		0040			st Natural		<u>, , , ,</u>	
(lb)	Depth	Vidth		ight 46	717	-Back		-Side		tical
27	4.5	15.75		28		/A	N	/A	N	I/A
		UUT Highes	menam				1			<u> </u>
Buildi	ng Code	<b>Test Crite</b>	eria	S <sub>DS</sub> (g)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC	2019	ICC-ES AC	15606/1	4/20521	1.0	1.5	4.0	3.0	1.67	0.67
Test Mounting D					CODE	20				
with 3/16" standa Unit maintained s	ard washers insid structural integrif	sing (4) #10-24 togg e the cabinet. ty and remained fur per operating cond	nctional pe							ood wall



Manufacturer:	Edwards, a	Div. of UTC Fire & Se	curity Am	erica Corp	., Inc.					-
Model Line:	Custom Fire	e Alarm Control Pane	els					Ľ	JUT	5
Model Number:	FX-254 FAC	Р			Serial Nu	ımber:	N/A			
<b>Product Construction</b> Fire alarm control pan	-	l of 16 Ga. carbon ste	el backbo	x, door, aı	nd intern	al contro	l electron	ics.		
<b>Options/Subcompone</b> SA-DACT, XAL250, SA-2	-		ORCO		OMPL					
			UUT Pro	perties		Z				
Weight		Dimension (in)	nep.	0246				Frequen		
(lb)	Depth	Width		ght246	11	-Back		-Side		tical
27	4	15.75	2		N,		N	/A	N,	/A
Building Co	do	UUT Highest I			z/h		A (a)	A (a)	A (m)	<b>A</b> (a)
Building CO	ue	Test criter	la	S <sub>DS</sub> (g)	2/11	I <sub>P</sub>	AFLX-H (B)	ARIG-H (B)	AFLX-V (B)	A <sub>RIG-V</sub> (g)
CBC 2019		ICC-ES AC1	5606/14	1/20521	1.0	1.5	4.0	3.0	1.67	0.67
			BUIL	to t obs	next pag he UUT erved du Il be inco	ge for m to addre uring tes	ss anoma ting. Moe	ons made alies dificatior oduction	1	
The unit was rigid wall with 3/16" standard wa Unit maintained struct Contents were include	ashers inside ural integrity	e the cabinet. y and remained func	tional per	-						ood wall

### **TRU PROJECT NO. 2001221**





TRU Compliance, by Structural Integrity Associates, Inc. 844.TRU.0200 | info@trucompliance.com

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Manufacturer:	Edwards, a	a Div. of UTC Fire & S	ecuritv An	nerica Corp	Inc.			_		_
Model Line:	-	re Alarm Control Pan			.,				JUT	8
Model Number:	APS10A				Serial Nu	mber:	N/A			
Product Construct	tion Summary:									
16 Ga. carbon stee	l backbox with	vented door and amp	olifiers mo	ounted insid	de.					
Options/Subcomp		<i>y</i> :								
Two SIGA-AA50 am	nplifiers.									
		MEDF	ORC	ODEC	OMPI					
Weight		Dimension (in)	UUT Pr	operties		Y Januar	t Natural	Fraguas	e) (    =)	
(lb)	Depth	Width	IOSP	right 46	Front		1	-Side		tical
69.5	5.25	15		26	N	444A		- <b>Side</b> /A		/A
05.5	5.25	UUT Highest						/^		/^
Building	7 Code	Corrigiese Test Criter		S <sub>DS</sub> (g)	z/h		Δ(σ)	A <sub>RIG-H</sub> (g)	Δ(σ)	Δ(σ)
CBC 2	-	ICC-ES AC1		4/2521	1.0	1.5	4.0	3.0	1.67	0.67
				172021						
Test Mounting Det						20				
cabinet using ¼" s Unit maintained st	tandard washei ructural integri	n 1-3/8" strut with (4 rs inside the cabinet. ty and remained func per operating condit	ctional pe		-					

### **TRU PROJECT NO. 2001221**



Manufacturer:		a Div. of UTC Fire & S		nerica Corp	o., Inc.				JUT	۵
Model Line:	Custom Fi	re Alarm Control Pa	nels					,		3
Model Number:	VS1				Serial Nı	ımber:	N/A			
Product Construc	=									
	• •	d of steel backbox, o	door, and i	nternal cor	ntrol					
electronics and u	ser interface.									
Options/Subcom	nonent Summar	V:								
SA-DACT, SA-232,										
	,	,								
			200							
		nE	ORCO	DDE C	01.					
		NED			OMD					
		L. L.	UUT Pr	operties		Z.				
Weight		Dimension (in)				Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 46	Front	-Back	Side	-Side	Ver	tical
16	5	14.25	_	1.5		/A	N	/A	N	/A
		UUT Highes				tion				1
Buildir	ng Code	Test Crite	eria	S <sub>DS</sub> (g)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC	2019	ICC-ES AC	15606/1	4/20521	1.0	1.5	4.0	3.0	1.67	0.67
Test Mounting De	taila			<u> </u>						
rest mounting De	cuns.	K				Nº/				
		OB			N.					
		· · N	A DI	HE BINIC	CO					
			BUI	DING						
					37					
			Land		. 12					
			-		1					
			~		- 8					
					1.1					
			3	3						
			Viae	ANT						
		and States	and the second second	A CONTRACTOR	11 2499					
		sing (4) #10-24 togg	le bolts thr	ough facto	ry punch	ed holes	in the cab	pinet and	the plywo	ood wall
with 3/16" standa	ard washers used	inside the cabinet.								

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.