



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

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0246

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Walter Kidde Portable Equipment, LLC

Manufacturer's Technical Representative: Ray Francavilla

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

Telephone: (800) 655-4497

Email: Raymond.francavilla@kgsolutions.com

Product Information

Product Name: Varies (See Attachment)

Product Model Number(s): Varies (See Attachment)

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

Product Sub-Category: Fire Alarm & Security Panels

General Description: Fire Alarm Control Panels.

Mounting Description: Wall Mounted Rigid

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

Contact Person: Daniel Zentner

Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702

Telephone: (541) 292-5839

Email: dzentner@structint.com

Title: Program Manager



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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 210, San Jose, CA 95138

Telephone: (669) 437-0200 Email: Lhandzhiyski@StructInt.com

Certification Method

- GR-63-Core
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

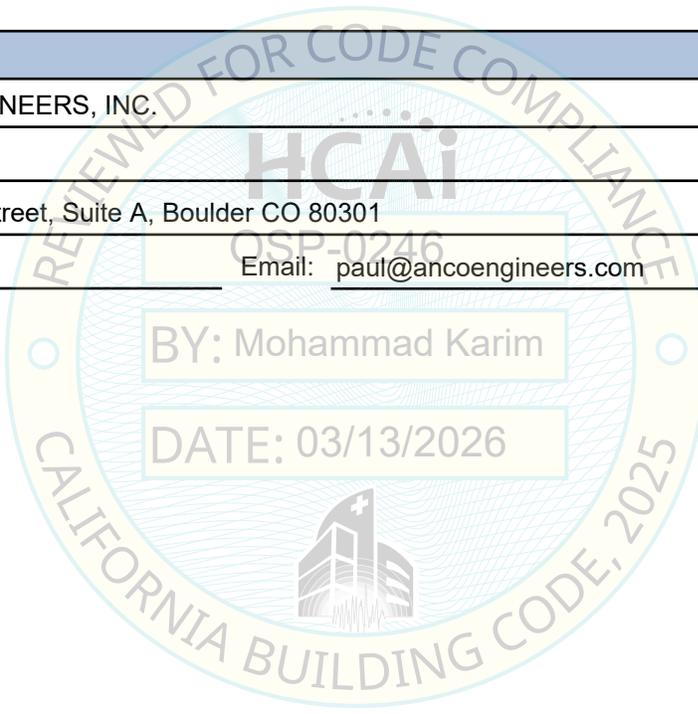
Testing Laboratory

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





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal	(A Flx-H), g=	<u>4.00</u>	(A Rig-H), g=	<u>2.69</u>
Vertical	(A Flx-V), g=	<u>1.67</u>	(A Rig-V), g=	<u>0.67</u>

SDS (Design spectral response acceleration at short period, g) = 2.5 @ z/h = 0; 2.5 @ z/h = 1

Hf (Force amplification height factor) = 1 @ z/h = 0; 3.5 @ z/h = 1

Ru (Structure ductility reduction factor) = 1 @ z/h = 0; 1.3 @ z/h = 1

Ip (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 03/15/2032

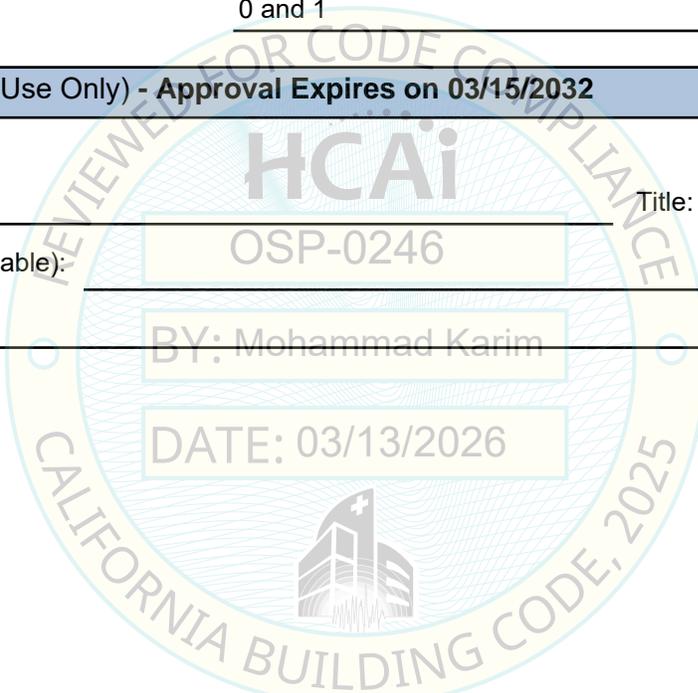
Date: 3/13/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0246

BY: Mohammad Karim

DATE: 03/13/2026



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC	TABLE 2
Model Line: Custom Fire Alarm Control Panels	

Certified Product Construction Summary:
16 ga Carbon Steel Enclosure

Certified Options Summary:
n/a

Mounting Configuration:
Wall mounted - rigid
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2025 **Seismic Certification Limits:** $S_{DS} = 2.5g$ $z/h=1.0$ $R_{\mu} = 1.3$ $H_f = 3.5$ $I_p = 1.5$
 $S_{DS} = 2.5g$ $z/h=0.0$ $R_{\mu} = 1.0$ $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Small Analog System	IO64G-PG	4.0	14.25	21.5	16		Extrap.
	IO64G-SP	4.0	14.25	21.5	16		Extrap.
	iO64G	4.0	14.25	21.5	16		Extrap.
	iO64GD	4.0	14.25	21.5	16		Extrap.
	iO64R	4.0	14.25	21.5	16		Extrap.
	iO64RD	4.0	14.25	21.5	16		Extrap.
	IO64G-2-PG	4.0	14.25	21.5	16		Extrap.
	IO64G-2-SP	4.0	14.25	21.5	16		Extrap.
	iO64G-2	4.0	14.25	21.5	16		Extrap.
	iO64R-2	4.0	14.25	21.5	16		Extrap.
	iO64GL	4.0	14.25	21.5	16		Extrap.
	iO64GL-F	4.0	14.25	21.5	16		Extrap.
	E-FSA64G	4.0	14.25	21.5	16		Extrap.
	E-FSA64GD	4.0	14.25	21.5	16		Extrap.
	E-FSA64R	4.0	14.25	21.5	16		Extrap.
	E-FSA64RD	4.0	14.25	21.5	16		Extrap.
	FX-64G	4.0	14.25	21.5	16		Extrap.
	FX-64GD	4.0	14.25	21.5	16		Extrap.
	FX-64R	4.0	14.25	21.5	16		Extrap.
	FX-64RD	4.0	14.25	21.5	16		Extrap.
FX-64G-2	4.0	14.25	21.5	16		Extrap.	
FX-64R-2	4.0	14.25	21.5	16		Extrap.	

Notes:
1. Differences in models are branding, color, language translations, and input voltage (230V denoted by "-2").

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2001221-CR-001-R1



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 $S_{DS} = 2.5g$ $z/h = 0.0$ $R_{\mu} = 1.0$ $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Small Analog System	ADT-FSA64G	4.0	14.25	21.5	16		Extrap.
	ADT-FSA64GD	4.0	14.25	21.5	16		Extrap.
	ADT-FSA64R	4.0	14.25	21.5	16		Extrap.
	ADT-FSA64RD	4.0	14.25	21.5	16		Extrap.
	VS1-G	5.0	14.25	21.5	16		Extrap.
	VS1-G-2	5.0	14.25	21.5	16		Extrap.
	VS1-G-2-PG	5.0	14.25	21.5	16		Extrap.
	VS1-G-2-SP	5.0	14.25	21.5	16		Extrap.
	VS1-GD	5.0	14.25	21.5	16		Extrap.
	VS1-GL	5.0	14.25	21.5	16		Extrap.
	VS1-GL-F	5.0	14.25	21.5	16		Extrap.
	VS1-G-PG	5.0	14.25	21.5	16		Extrap.
	VS1-G-SP	5.0	14.25	21.5	16		Extrap.
	VS1-R	5.0	14.25	21.5	16		Extrap.
	VS1-R-2	5.0	14.25	21.5	16		Extrap.
	VS1-RD	5.0	14.25	21.5	16		Extrap.
	VS1	5.0	14.25	21.5	16		9
	FX-254G	4.0	15.75	28.0	27		5
	FX-254GD	4.0	15.75	28.0	27		Interp.
	FX-1000	4.0	15.75	28.0	27		Interp.
FX-254R	4.0	15.75	28.0	27		Interp.	
FX-1000D	4.0	15.75	28.0	27		Interp.	

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 $S_{DS} = 2.5g$ $z/h = 0.0$ $R_{\mu} = 1.0$ $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Small Analog System	FX-254RD	4.0	15.75	28.0	27		Interp.
	FX-254G-2	4.0	15.75	28.0	27		Interp.
	E-FSA250G	4.0	15.75	28.0	27		Interp.
	E-FSA250GD	4.0	15.75	28.0	27		Interp.
	E-FSA250R	4.0	15.75	28.0	27		Interp.
	E-FSA250RD	4.0	15.75	28.0	27		Interp.
	ADT-FSA250G	4.0	15.75	28.0	27		Interp.
	ADT-FSA250GD	4.0	15.75	28.0	27		Interp.
	ADT-FSA250R	4.0	15.75	28.0	27		Interp.
	ADT-FSA250RD	4.0	15.75	28.0	27		Interp.
	VS4-G	4.5	15.75	28.0	27		Interp.
	VS4-GC	4.5	15.75	28.0	27		Interp.
	VS4-GD	4.5	15.75	28.0	27		Interp.
	VS4-GF	4.5	15.75	28.0	27		Interp.
	VS4-G-PG	4.5	15.75	28.0	27		Interp.
	VS4-G-SP	4.5	15.75	28.0	27		Interp.
	VS2-G	4.5	15.75	28.0	27		Interp.
	VS2-GD	4.5	15.75	28.0	27		Interp.
	VS4-R	4.5	15.75	28.0	27		Interp.
	VS2-R	4.5	15.75	28.0	27		Interp.
	VS4-RD	4.5	15.75	28.0	27		Interp.
VS2-RD	4.5	15.75	28.0	27		Interp.	
VS4-G-2	4.5	15.75	28.0	27		Interp.	

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 $S_{DS} = 2.5g$ $z/h = 0.0$ $R_{\mu} = 1.0$ $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Small Analog System	VS4-G-2-PG	4.5	15.75	28.0	27		Interp.
	VS4-G-2-SP	4.5	15.75	28.0	27		Interp.
	VS2-G-2	4.5	15.75	28.0	27		Interp.
	VS4-R-2	4.5	15.75	28.0	27		Interp.
	VS2-R-2	4.5	15.75	28.0	27		Interp.
	IO1000G	4.5	15.75	28.0	27		Interp.
	IO1000G-PG	4.5	15.75	28.0	27		Interp.
	IO1000G-SP	4.5	15.75	28.0	27		Interp.
	IO1000R	4.5	15.75	28.0	27		Interp.
	iO500G	4.5	15.75	28.0	27		Interp.
	IO1000GD	4.5	15.75	28.0	27		Interp.
	iO500R	4.5	15.75	28.0	27		Interp.
	IO1000RD	4.5	15.75	28.0	27		Interp.
	iO500RD	4.5	15.75	28.0	27		Interp.
	IO1000G-2	4.5	15.75	28.0	27		Interp.
	IO1000G-2-PG	4.5	15.75	28.0	27		Interp.
	IO1000G-2-SP	4.5	15.75	28.0	27		Interp.
	IO1000R-2	4.5	15.75	28.0	27		Interp.
	iO500G-2	4.5	15.75	28.0	27		Interp.
	IO1000G-CA	4.5	15.75	28.0	27		Interp.
IO1000G-F	4.5	15.75	28.0	27		Interp.	
iO500GL-F	4.5	15.75	28.0	27		Interp.	
iO500GD	4.5	15.75	28.0	27		4	

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC		Table Description: EST 3X Electrical Components			TABLE 4		
Model Line: Custom Fire Alarm Control Panels		(All modules are a variation of 3-ZA40A, <1lb.)					
Building Code: CBC 2025		Seismic Certification Limits:		$S_{DS} = 2.5 g$ $z/h=1.0$	$R_{\mu} = 1.3$	$H_f = 3.5$	$I_p = 1.5$
				$S_{DS} = 2.5 g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$	
Component Type	Manufacturer	Model	Description	Notes	UUT		
Amplifier Module	Walter Kidde Portable Equipment	3-ZA20A	20 Watt Zoned Amplifier, Class A, 25 or 70Vrms	Depopulated 3-ZA40A	Interp.		
		3-ZA20B	20 Watt Zoned Amplifier, Class B, 25 or 70Vrms	Depopulated 3-ZA40A	Interp.		
		3-ZA40A	40 Watt Zoned Amplifier, Class A, 25 or 70Vrms		1		
		3-ZA40B	40 Watt Zoned Amplifier, Class B, 25 or 70Vrms	Depopulated 3-ZA40A	Interp.		
Audio Module	Walter Kidde Portable Equipment	3X-PMI	Audio System Control and Paging Interface		1		
		EAEC	Emergency Audio Evacuation Controller		1		
Cabinet Accessory	Walter Kidde Portable Equipment	TRIM6	Flash Trim		1		
		4X-LRMF	Blank LRM Filler		Interp.		
		3-TAMP	Tamper Switch		1		
		4X-DR	Blank, Annunciator Door Assembly	Depopulated/fewer LED display modules	Extrap.		
Communication Module	Walter Kidde Portable Equipment	3-MODCOM	Modem Communicator and Dialer	Depopulated 3-ZA40A	Interp.		
		3-MODCOMP	Modem Communicator/Dialer w/ pager option	Depopulated 3-ZA40A	Interp.		
		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.		
		3-FIBMB2	Fiber Card, /w adaptor card, ribbon cable		1		
		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.		
		SMXHI2	Single mode plug-in Transceiver- Long Range	Option card used on 3-FIBMB2	Interp.		
		SMXLO	Single mode plug-in Transceiver- Short Range	Option card used on 3-FIBMB2	Interp.		
		SMXLO2	Single mode plug-in Transceiver- Long Range	Option card used on 3-FIBMB2	Interp.		
CLA-PS10	Class A Adapter, PS10, NAC's		1				

TRU Compliance, by Structural Integrity Associates, Inc.

844-TRU-0200 | info@trucompliance.com

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC	Table Description: EST 3X Electrical Components	TABLE 4
Model Line: Custom Fire Alarm Control Panels	(All modules are a variation of 3-ZA40A, <1lb.)	

Building Code: CBC 2025	Seismic Certification Limits:	$S_{DS} = 2.5 g$ $z/h=1.0$	$R_{\mu} = 1.3$	$H_f = 3.5$	$I_p = 1.5$
		$S_{DS} = 2.5 g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
Device Circuit Module	Walter Kidde Portable Equipment	3-IDC 8/4	Initiating / Indicating Device Circuit Module	Depopulated 3-ZA40A	Interp.
Display Module	Walter Kidde Portable Equipment	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.
		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.
		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.
		3-12SR	LED Display/Control Module	Similar to 4x-6/3S1G2Y-fewer switches	Interp.
		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	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.		

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC		Table Description: EST 3X Electrical Components			TABLE 4		
Model Line: Custom Fire Alarm Control Panels		(All modules are a variation of 3-ZA40A, <1lb.)					
Building Code: CBC 2025		Seismic Certification Limits:		$S_{DS} = 2.5g$ z/h=1.0	$R_{\mu} = 1.3$	$H_f = 3.5$	$I_p = 1.5$
				$S_{DS} = 2.5g$ z/h=0.0	$R_{\mu} = 1.0$	$H_f = 1.0$	
Component Type	Manufacturer	Model	Description	Notes	UUT		
Driver Module	Walter Kidde Portable Equipment	3-LDSM	Annunciator Driver Module (LRM)	Depopulated 3-ZA40A	Interp.		
Language Kit	Walter Kidde Portable Equipment	4x-LKE	4X Insert Kit EURO ENGLISH		1		
		4x-LKC	4X Insert Kit CHINESE		Interp.		
		4x-LKF	4X Insert Kit FRENCH		Interp.		
		4x-LKR	4X Insert Kit RUSSIAN		Interp.		
		4x-LKS	4X Insert Kit SPANISH		Interp.		
Loop Controller	Walter Kidde Portable Equipment	3-SDC1	Signature Data Circuit Card		1		
		3X-SDC1	Signature Data Circuit Card	Same as 3-SDC1	Interp.		
		3-SDDC1	Signature Dual Driver Controller (LRM)	Depopulated 3-ZA40A	Interp.		
		3-SDDC2	Signature Dual Driver Controller (LRM)	Depopulated 3-ZA40A / software change	Interp.		
		3X-SDDC2	Signature Dual Driver Controller (LRM)	Depopulated 3-ZA40A / software change	Interp.		
		3-SSDC1	Signature Single Driver Controller (LRM)	Depopulated 3-ZA40A	Interp.		
		3-SSDC2	Signature Single Driver Controller (LRM)	Depopulated 3-ZA40A / software change	Interp.		
		3X-SSDC2	Signature Single Driver Controller (LRM)	Depopulated 3-ZA40A / software change	Interp.		
3-AADC1	Analog Driver Controller (LRM)	Depopulated 3-ZA40A	Interp.				
Output Module	Walter Kidde Portable Equipment	CDR3	Bell Coder		1		
Power Supply	Walter Kidde Portable Equipment	PS10-4B	Power Supply, Replacement		1		
Signal Module	Walter Kidde Portable Equipment	3-OPS	Off Premise Signal Module	Depopulated 3-ZA40A	Interp.		

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC Model Line: Custom Fire Alarm Control Panels		Table Description: EST VM Electrical Components			TABLE 5	
Building Code: CBC 2025		Seismic Certification Limits:		$S_{DS} = 2.5g$ $z/h=1.0$	$R_{\mu} = 1.3$	$H_f = 3.5$
				$S_{DS} = 2.5g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$
Component Type	Manufacturer	Model	Description	Notes	UUT	
Audio Module	Walter Kidde Portable Equipment	VM-PMI	Audio System Control / Paging Interface		2	
		VM-MFK	Master Firefighters Telephone Kit		2	
		ACHS	Audio Channel Selector, 1 Channel		2	
		AMK-RN	Audio Mounting Kit		2	
Cabinet Accessory	Walter Kidde Portable Equipment	TRIM6	Flash Trim		2	
		3-TAMP	Tamper Switch		2	
Communication Module	Walter Kidde Portable Equipment	VM-DACT	Dialer, Dual Line	Same as SA-DACT/branding	Interp.	
		VM-NOC	Network Option Card, RS485		2	
		VM-NOCF	Fiber Optic Communications Interface	3X-FIB8 w/Software change	Interp.	
		SMXHI	Single Mode plug-in Transceiver- Long Range	MMXVR w/Frequency change	Interp.	
		SMXHI2	Single Mode plug-in Transceiver- Long Range	MMXVR w/Software change	Interp.	
		SMXLO	Single Mode plug-in Transceiver- Short Range	MMXVR w/Frequency change	Interp.	
		SMXLO2	Single Mode plug-in Transceiver- Short Range	MMXVR w/Software change	Interp.	
		VM-ETH1	Ethernet Adapter Module		2	
		VM-ETH2	Ethernet Adapter Module		Interp.	
		VM-ETH3	Ethernet Adapter Module		Interp.	
CLA-PS10	Class A Adapter, PS10 NAC's		2			
Control Module	Walter Kidde Portable Equipment	EAEC	Emergency Audio Evacuation Controller		2	
Display Module	Walter Kidde Portable Equipment	D12LS-VM	Control/Indicating Display		2	
Loop Module	Walter Kidde Portable Equipment	VM-SLC	Loop Expansion, VM Systems		2	

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC		Table Description: EST Small Analog Electrical Components			TABLE 6		
Model Line: Custom Fire Alarm Control Panels							
Building Code: CBC 2025		Seismic Certification Limits:		$S_{DS} = 2.5 g$ z/h=1.0	$R_{\mu} = 1.3$	$H_f = 3.5$	$I_p = 1.5$
				$S_{DS} = 2.5 g$ z/h=0.0	$R_{\mu} = 1.0$	$H_f = 1.0$	
Component Type	Manufacturer	Model	Description	Notes	UUT		
Cabinet Accessory	Walter Kidde Portable Equipment	SA-TRIM1	Small Cabinet Trim Kit for semi-flush mt.		9		
		SA-TRIM2	Large Cabinet Trim Kit for semi-flush mt.		4, 5		
Communication Module	Walter Kidde Portable Equipment	SA-DACT	Dialer		4, 5, 9		
		SA-232	RS232 Module		4, 5, 9		
		SA-USB	USB Module	Similar to SA-232	Interp.		
		SA-CLA	Class A Adapter		4, 5, 9		
		SA-ETH	Ethernet Adapter		4, 5, 9		
Display Module	Walter Kidde Portable Equipment	D16L-iO-x	16 Zone Front Panel LED Annunciator		4		
		D8RY-iO-x	16 Zone Front Panel LED Annunciator		Interp.		
		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		
Loop Module	Walter Kidde Portable Equipment	FX-SLC2	SLC Loop Driver		Interp.		
		XAL250	SLC Loop Driver		4		
		iO-SDC1	SLC Loop Driver		Interp.		
		iO-SDC2	SLC Loop Driver		Interp.		
		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				

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC	Table Description: EST Small Analog Electrical Components	TABLE 6
Model Line: Custom Fire Alarm Control Panels		

Building Code: CBC 2025	Seismic Certification Limits:	$S_{DS} = 2.5g$ $z/h=1.0$	$R_{\mu} = 1.3$	$H_f = 3.5$	$I_p = 1.5$
		$S_{DS} = 2.5g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
User Interface & CPU Module	Walter Kidde Portable Equipment	RZI-MPL	Mounting Bracket		8
		iO64-RE	Electronic Replacement Part/Single Loop		Interp.
		64elec-iO	Electronic Replacement Part/Single Loop	Depopulated 500elec-iO	Interp.
		iO64-RE-SP	Electronic Replacement Part/Spanish	Similar to 64elec-iO. Installed w/iO-SDC1	Interp.
		64elec-iO-SP	Electronic Replacement Part/Spanish	Depopulated 500elec-iO/language	Interp.
		iO64-RE-PG	Electronic Replacement Part/Portuguese	Similar to 64elec-iO. Installed w/iO-SDC1	Interp.
		64elec-iO-PG	Electronic Replacement Part/Portuguese	Depopulated 500elec-iO/language	Interp.
		iO64-RE-F	Electronic Replacement Part/French	Similar to 64elec-iO. Installed w/iO-SDC1	Interp.
		64elec-iO-FR	Electronic Replacement Part/French	Depopulated 500elec-iO/language	Interp.
		IO1000-RE	Electronic Replacement Part/Dual Loop	Similar to 500elec-iO. Installed w/iO-SDC1	Interp.
		500elec-iO	Electronic Replacement Part/Dual Loop		5
		IO1000-RE-SP	Electronic Replacement Part/Spanish	Similar to 500elec-iO. Installed w/iO-SDC1	Interp.
		500elec-iO-SP	Electronic Replacement Part/Spanish	Depopulated 500elec-iO/language	Interp.
		IO1000-RE-PG	Electronic Replacement Part/Portuguese	Similar to 500elec-iO. Installed w/iO-SDC1	Interp.
		500elec-iO-PG	Electronic Replacement Part/Portuguese	Depopulated 500elec-iO/language	Interp.
		IO1000-RE-F	Electronic Replacement Part/French	Similar to 500elec-iO. Installed w/iO-SDC1	Interp.
		500elec-iO-FR	Electronic Replacement Part/French	Depopulated 500elec-iO/language	Interp.
		VS1-RE	Electronic Replacement Part/Single Loop	Similar to 64elec-VS. Installed w/V-SLC-1	Interp.
		64elec-VS	Electronic Replacement Part/Single Loop	Depopulated 500elec-iO/language	Interp.
		VS1-RE-SP	Electronic Replacement Part/Spanish	Similar to 64elec-VS. Installed w/V-SLC-1	Interp.
64elec-VS-SP	Electronic Replacement Part/Spanish	Depopulated 500elec-iO/language	Interp.		
VS1-RE-PG	Electronic Replacement Part/Portuguese	Similar to 64elec-VS. Installed w/V-SLC-1	Interp.		
64elec-VS-PG	Electronic Replacement Part/Portuguese	Depopulated 500elec-iO/language	Interp.		

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844-TRU-0200 | info@trucompliance.com

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC		Table Description: EST Small Analog Electrical Components			TABLE 6		
Model Line: Custom Fire Alarm Control Panels							
Building Code: CBC 2025		Seismic Certification Limits:		$S_{DS} = 2.5g$ z/h=1.0	$R_{\mu} = 1.3$	$H_f = 3.5$	$I_p = 1.5$
				$S_{DS} = 2.5g$ z/h=0.0	$R_{\mu} = 1.0$	$H_f = 1.0$	
Component Type	Manufacturer	Model	Description	Notes	UUT		
User Interface & CPU Module	Walter Kidde Portable Equipment	VS1-RE-F	Electronic Replacement Part/French	Similar to 64elec-VS. Installed w/V-SLC-1	Interp.		
		64elec-VS-FR	Electronic Replacement Part/French	Depopulated 500elec-iO/language	Interp.		
		VS4-RE	Electronic Replacement Part/Dual Loop	Similar to 500elec-VS. Installed w/V-SLC-1	Interp.		
		500elec-VS	Electronic Replacement Part/Dual Loop	500elec-iO/language change	Interp.		
		VS4-RE-SP	Electronic Replacement Part/Spanish	Similar to 500elec-VS. Installed w/V-SLC-1	Interp.		
		500elec-VS-SP	Electronic Replacement Part/Spanish	500elec-iO/language change	Interp.		
		VS4-RE-PG	Electronic Replacement Part/Portuguese	Similar to 500elec-VS. Installed w/V-SLC-1	Interp.		
		500elec-VS-PG	Electronic Replacement Part/Portuguese	500elec-iO/language change	Interp.		
		VS4-RE-F	Electronic Replacement Part/French	Similar to 500elec-VS. Installed w/V-SLC-1	Interp.		
		500elec-VS-FR	Electronic Replacement Part/French	500elec-iO/language change	Interp.		
		254elec-FSA	Electronic Replacement Subassembly		5		
		FX-64-RE	Electronic Replacement Subassembly	Similar to 64elec-FX. Installed w/FX-SLC1	Interp.		
		64elec-FX	Electronic Replacement Subassembly	Depopulated 254elec-FX	Interp.		
		FX-1000-RE	Electronic Replacement Subassembly	Similar to 64elec-FX. Installed w/FX-SLC1	Interp.		
		ADT-64elec- FSA	Electronic Replacement Subassembly	Depopulated 254elec-FX/Branding	Interp.		
		ADT-254elec- FSA	Electronic Replacement Subassembly	Same as 254elec-FX/Branding	Interp.		
		254elec-FX	Electronic Replacement Subassembly		5		

UNIT UNDER TEST (UUT) SUMMARY SHEET

2001221-CR-001-R1



Manufacturer:	Walter Kidde Portable Equipment, LLC	UUT 5
Product Type:	Fire Alarm & Security Panels	
Model Line:	Custom Fire Alarm Control Panels	
Model Number:	FX-254 FACP	
Serial Number:	n/a	
Test Report:		3318.01 (UUT5)

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
27	4.00	15.75	28.00	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information										
Building Code	Test Criteria	S _{DS} (g)	z/h	R _μ	H _f	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2025	ICC-ES AC 156-24	2.5	1.0	1.3	3.5	1.5	4.00	2.69	1.67	0.67
		2.5	0.0	1.0	1.0					

Product Construction Summary: Fire alarm control panel comprised of 16 ga. carbon steel backbox, door and internal control electronics with user interface.

Test Mounting Details:

Fire alarm control panel comprised of 16 ga. carbon steel backbox, door and internal control electronics with user interface.



Options/Subcomponent Summary:

Description	Mfr.	Part Number
Cabinet Accessory	Walter Kidde Portable Equipment	SA-TRIM2
Communication Module		SA-DACT,
		SA-232,
		SA-CLA, SA-ETH
Display Module		D16L-Fa
Loop Module		XAL127
User Interface & CPU Module	500elec-iO, 254elec-FSA, 254elec-FX	

Test Modification Details:

See next page for modifications made to the UUT to address anomalies observed during testing. Modification shall be incorporated into production units.

UUT5 was wall mounted - rigid to the test fixture using four (4) #10-24 toggle bolts through factory punched holes in the cabinet and the plywood wall with 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.

UNIT UNDER TEST (UUT) SUMMARY SHEET

2001221-CR-001-R1



Manufacturer: Walter Kidde Portable Equipment, LLC
Product Type: Fire Alarm & Security Panels
Model Line: Custom Fire Alarm Control Panels
Model Number: FX-254 FACP
Serial Number: n/a

Test Report: 3318.01 (UUT5)

UUT 5

UUT 5 Modification:

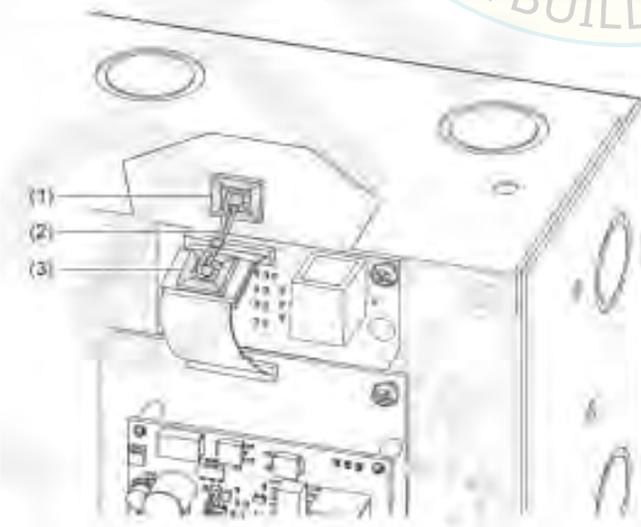
UTC Ribbon Cable Restraint

During testing of the FX254-FACP cabinet, the ribbon cable connecting the standoff portion of the SA-ETH module to the motherboard was loosened. The VS1 cabinet had the same standoff-motherboard connections and it did not come loose during testing. Both units remained functional, but a cable restraint has been designed and implemented by UTC and is detailed as shown below:

To secure the SA-ETH Ethernet card ribbon cable:

1. Open an alcohol wipe and clean the top of the ferrite on the SA-ETH ribbon cable where a 1-inch square cable mount will be placed. See Figure 3.
2. Clean an area on the cabinet rear wall for a second cable mount. The area must be located so a cable tie can loop from the ferrite cable mount to the wall cable mount.
3. Remove the adhesive paper from the backs of the cable mounts and attach the mounts to the cleaned areas.
4. Thread a cable tie through the slot in the cable mount on the ferrite, and then through the cable mount on the wall.
5. Loop the cable tie back and tighten it. Cut off any excess. Do not over-tighten the cable tie, to avoid pulling the cable mounts away from their surfaces.

Figure 3: Installing the cable mounts and cable tie for an SA-ETH ribbon cable



- (1) Cable mount on the cabinet rear wall
- (2) Cable tie
- (3) Cable mount on the ribbon cable ferrite clamp

Regulatory information

Manufacturer: Edwards, A Division of UTC Fire & Security Americas Corporation, Inc.
6885 Town Center Parkway, Bradenton, FL 34202, USA

Year of manufacture: The first two digits of the date of manufacture (located on the product identification label) are the year of manufacture.

Environmental class: UL Indoor dry

Contact information

For contact information, see www.utcfireandsecurity.com.

