



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-0031

**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: EST3 & EST4 Fire Protection System

Product Model Number(s): Varies (see attachment)

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

Product Sub-Category: Fire Protection & Security Panels

General Description: Fire protection system including control cabinets, CPUs, detectors, pull stations, I/O modules, power supplies, speakers, strobes, and all associated hardware.

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

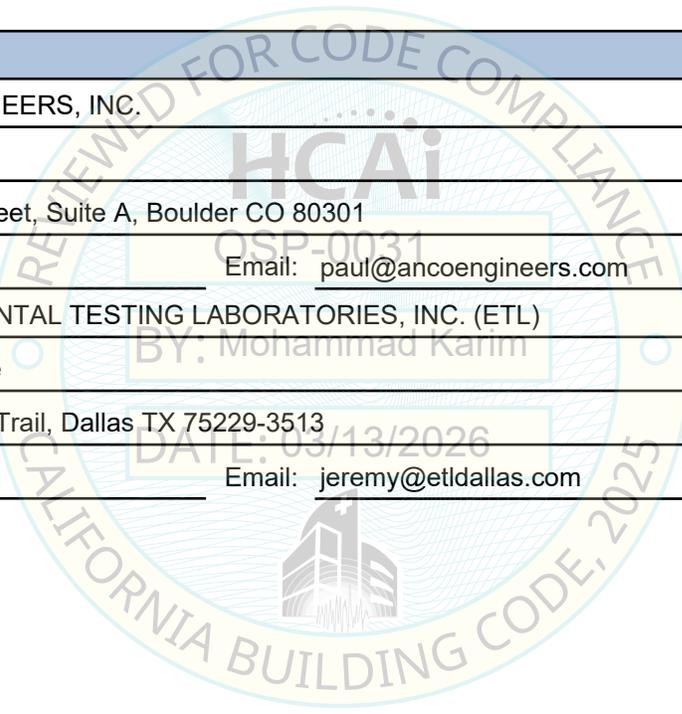
Telephone: (303) 443-7580 Email: paul@ancoengineers.com

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)

Contact Person: Jeremy Lange

Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513

Telephone: (972) 247-9657 Email: jeremy@etldallas.com





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**Seismic Parameters**

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal	(A Flx-H), g=	<u>2.46</u>	(A Rig-H), g=	<u>1.66</u>
Vertical	(A Flx-V), g=	<u>1.64</u>	(A Rig-V), g=	<u>0.66</u>

SDS (Design spectral response acceleration at short period, g) = 2.46 @ z/h = 0; 1.54 @ 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**

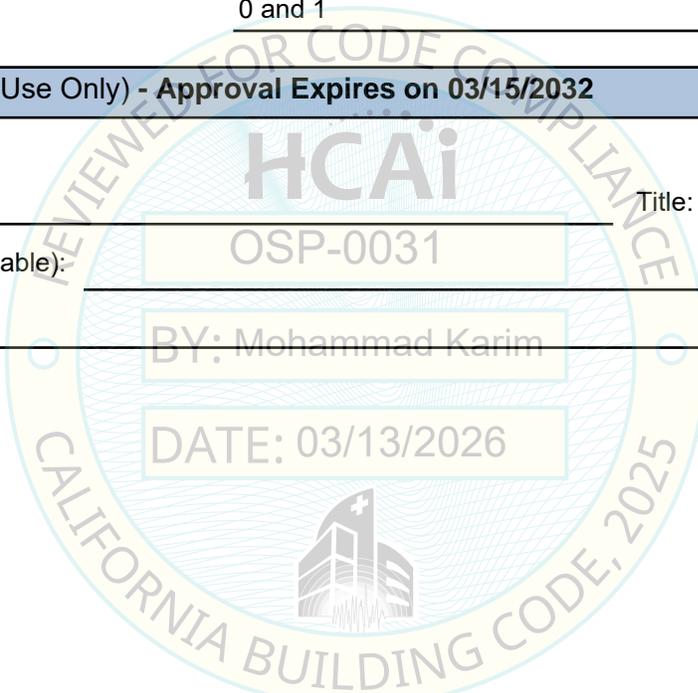
Date: 3/13/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0031

BY: Mohammad Karim

DATE: 03/13/2026









# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>TABLE 4</b>
<b>Model Line:</b> EST3 & EST4 Fire Protection System	

**Certified Product Construction Summary:**  
18 ga. Carbon Steel Enclosure

**Certified Options Summary:**  
Surface or Semi-flush Mount

**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:**  $S_{DS} = 1.54g$   $z/h=1.0$   $R_{\mu} = 1.3$   $H_f = 3.5$   $I_p = 1.5$   
 $S_{DS} = 2.46g$   $z/h=0.0$   $R_{\mu} = 1.0$   $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Power Supply	BPS6A/230	3.8	13.3	17.5	31		Extrap.
	BPS6CAA	3.8	13.3	17.5	31	Different Branding	Extrap.
	ADT-BPS6A	3.8	13.3	17.5	31	Different Branding	Extrap.
	EBPS6A	3.8	13.3	17.5	31	Different Branding	Extrap.
	EBPS6A/230	3.8	13.3	17.5	31	Different Branding	Extrap.
	MIRBPS6A	3.8	13.3	17.5	31	Different Branding	Extrap.
	MIRBPS6A/230	3.8	13.3	17.5	31	Different Branding	Extrap.
	XLS-BPS6A	3.8	13.3	17.5	31	Different Branding	Extrap.
	XLS-BPS6A/230	3.8	13.3	17.5	31	Different Branding	Extrap.
	ZBPS6A	3.8	13.3	17.5	31	Different Branding	Extrap.
	ZBPS6A/230	3.8	13.3	17.5	31	Different Branding	Extrap.
	BPS10A	3.8	13.3	17.5	34		19
	BPS10A/230	3.8	13.3	17.5	34		Interp.
	BPS10CAA	3.8	13.3	17.5	34	Different Branding	Interp.
	ADT-BPS10A	3.8	13.3	17.5	34	Different Branding	Interp.
	EBPS10A	3.8	13.3	17.5	34	Different Branding	Interp.
	EBPS10A/230	3.8	13.3	17.5	34	Different Branding	Interp.
	MIRBPS10A	3.8	13.3	17.5	34	Different Branding	Interp.
	MIRBPS10A/230	3.8	13.3	17.5	34	Different Branding	Interp.
	XLS-BPS10A	3.8	13.3	17.5	34	Different Branding	Interp.
	XLS-BPS10A/230	3.8	13.3	17.5	34	Different Branding	Interp.
	ZBPS10A	3.8	13.3	17.5	34	Different Branding	Interp.
	ZBPS10A/230	3.8	13.3	17.5	34	Different Branding	Interp.
APS6A	5.3	15.3	26.5	66		Interp.	
APS10A	5.3	15.3	26.5	74		17	

**Notes:**  
1. Difference between 10A/6A is smaller heat sink on 6A. Difference between 120V/230V is assembly option on main board.

# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC <b>Model Line:</b> EST3 & EST4 Fire Protection System		<b>Table Description:</b> Doors			<b>TABLE 5</b>		
<b>Building Code:</b> CBC 2025		<b>Seismic Certification Limits:</b>		$S_{DS} = 1.54 g$ $z/h=1.0$ $S_{DS} = 2.46 g$ $z/h=0.0$	$R_{\mu} = 1.3$ $R_{\mu} = 1.0$	$H_f = 3.5$ $H_f = 1.0$	$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT		
EST3 Doors	Walter Kidde Portable Equipment	3-CAB7D	Door for 3-CAB7B		Extrap.		
		XLS-CAB7D	Door for 3-CAB7B	Same as 3-CAB7D/Branding	Extrap.		
		ADT-CAB7D	Door for 3-CAB7B	Same as 3-CAB7D/Branding	Extrap.		
		3-CAB14D	Door for 3-CAB14B		2		
		XLS-CAB14D	Door for 3-CAB14B	Same as 3-CAB14D/Branding	Interp.		
		ADT-CAB14D	Door for 3-CAB14B	Same as 3-CAB14D/Branding	Interp.		
		3-CAB21D	Door for 3-CAB21B		3, 58		
		XLS-CAB21D	Door for 3-CAB21B	Same as 3-CAB21D/Branding	Interp.		
		ADT-CAB21D	Door for 3-CAB21B	Same as 3-CAB21D/Branding	Interp.		
		3-4ANN/D	Door for 4ANN/B		63		
		3-6ANN/D	Door for 6ANN/B		Interp.		
3-10ANN/D	Door for 10ANN/B		1				
EST4 Doors	Walter Kidde Portable Equipment	4-2ANND	Door for 2-ANNMT		62		
		4-4ANND	Door for 4-ANNMT		Interp.		
		4-6ANND	Door for 6-ANNMT		Interp.		
		4-CAB8DR	Door for 3-CAB5B or 4-8ANNMT Backbox	Red Color Version of 4-CAB8D	Interp.		
		4-CAB8D	Door for 3-CAB5B or 4-8ANNMT Backbox		Interp.		
		4-CAB16DR	Door for 3-CAB7B or 4-16ANNMT Backbox	Red Color Version of 4-CAB16D	60		
		4-CAB16D	Door for 3-CAB7B or 4-16ANNMT Backbox		Interp.		
		4-CAB24DR	Door for 3-CAB14B or 4-24ANNMT Backbox	Red Color Version of 4-CAB24D	61		
		4-CAB24D	Door for 3-CAB14B or 4-24ANNMT Backbox		Interp.		
4-CAB24DRL	Door for 3-CAB21B Backbox	Red Color Version of 4-CAB24DL	Interp.				
4-CAB24DL	Door for 3-CAB21B Backbox		59				

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2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC <b>Model Line:</b> EST3 & EST4 Fire Protection System		<b>Table Description:</b> Electrical Components			<b>TABLE 6</b>	
<b>Building Code:</b> CBC 2025		<b>Seismic Certification Limits:</b>		$S_{DS} = 1.54 g$ $z/h=1.0$	$R_{\mu} = 1.3$	$H_f = 3.5$
				$S_{DS} = 2.46 g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$
Component Type	Manufacturer	Model	Description	Notes	UUT	
Annunciator / CPU	Walter Kidde Portable Equipment	3-4ANN	Annunciator /w CPU, 2 of 3-ANNSM	Depopulated 3-10ANN	Interp.	
		3-6ANN	Annunciator /w CPU, 2 of 3-ANNSM, 2 of 3-ANNBF	Depopulated 3-10ANN	Interp.	
		ADT-6ANN	Annunciator /w CPU, 2 of 3-ANNSM, 2 of 3-ANNBF	Depopulated 3-10ANN	Interp.	
		XLS-6ANN	Annunciator /w CPU, 2 of 3-ANNSM, 2 of 3-ANNBF	Depopulated 3-10ANN	Interp.	
		3-10ANN	Annunciator /w CPU, 2 of 3-ANNSM, 6 of 3-ANNBF		1	
		ADT-10ANN	Annunciator /w CPU, 2 of 3-ANNSM, 6 of 3-ANNBF	Identical to 3-10ANN/Branding	Interp.	
		XLS-10ANN	Annunciator /w CPU, 2 of 3-ANNSM, 6 of 3-ANNBF	Identical to 3-10ANN/Branding	Interp.	
Annunciator Display	Walter Kidde Portable Equipment	3-ANNSM	Annunciator LED Display Support Module		1, 63	
		ADT-LDCANN	Remote LCD Command Module	Identical to 3-ANNSM/Branding	Interp.	
		XLS-LCDANN	Remote LCD Command Module	Identical to 3-ANNSM/Branding	Interp.	
EST3 LED/Switch Module	Walter Kidde Portable Equipment	3-12/S1GY	LED Display/Control Module		1, 2, 5, 58	
		3-12/S1RY	LED Display/Control Module		1, 2, 5, 58	
		3-12/S2Y	LED Display/Control Module		1,2,3,5, 58	
		3-12RY	LED Display/Control Module		3, 5, 58	
		3-12SG	LED Display/Control Module		3, 58, 63	
		3-12SR	LED Display/Control Module		3, 58	
		3-12SY	LED Display/Control Module		3, 5, 58	
		3-24G	LED Display/Control Module		3, 5, 58	
		3-24R	LED Display/Control Module		3, 5, 58	
		3-24Y	LED Display/Control Module		3, 5, 58	
		3-4/3SGYWR	LED Display/Control Module		63	
		3-6/3S1G2Y	LED Display/Control Module		1, 2, 58	
3-6/3S1GYR	LED Display/Control Module		1,2,3,5, 58			

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2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC <b>Model Line:</b> EST3 & EST4 Fire Protection System		<b>Table Description:</b> Electrical Components			<b>TABLE 6</b>	
<b>Building Code:</b> CBC 2025		<b>Seismic Certification Limits:</b>		$S_{DS} = 1.54 g$ $z/h=1.0$	$R_{\mu} = 1.3$	$H_f = 3.5$
				$S_{DS} = 2.46 g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$
Component Type	Manufacturer	Model	Description	Notes	UUT	
EST4 LED/Switch Module	Walter Kidde Portable Equipment	4-24L	LED Display/Control Module	Mounts to EST4 UIRAIL on inner door	59, 60, 61	
		4-24L24S	LED Display/Control Module	Mounts to EST4 UIRAIL on inner door	59, 60, 61	
		4-24L18S	LED Display/Control Module	Mounts to EST4 UIRAIL on inner door	59, 60, 61	
		4-24L12S	LED Display/Control Module	Mounts to EST4 UIRAIL on inner door	59, 60, 61	
EST3 Display Module	Walter Kidde Portable Equipment	3-LCD	LDC Display/Control Module		1, 2, 5	
		3-LCDANN	LDC Display/Control Module		1, 63	
		3-LCDXL1	LDC Display/Control Module		3	
EST4 Display Module	Walter Kidde Portable Equipment	4-LCD	LDC Display/Control Module		59, 60, 61, 62	
		4-3LCD	LDC Display/Control Module		58	
		4-LCDAUDTEL	LDC Display/Control Module		59	
EST3 Audio Module	Walter Kidde Portable Equipment	3-ASU	Audio Source Unit		3	
		3-ASU/FT	Audio Source Unit w/ Firefighter Phone		2	
EST4 Audio Module	Walter Kidde Portable Equipment	4-AUDTELS	Audio, Telephone, 1Vrms, and A to D Audio	Mounts to 4-CPU	58, 59, 60	
		4-ANNAUDTEL	Audio, A to D Audio	Mounts to 4-ANNCPU	59	
EST3 Telephone Module	Walter Kidde Portable Equipment	3-FTCU	Firefighter Phone		2	
EST4 Telephone Module	Walter Kidde Portable Equipment	4-FT	Firefighter Phone	Mounts to EST4 UIRAIL on inner door	59, 60	
Telephone	Walter Kidde Portable Equipment	6700-0061	Remote Firefighter's Telephone (Red)		59, 61	
		6700-0062	Remote Firefighter's Telephone (Black)	Same as 6700-0061 (color)	Interp.	
Telephone Receptacle	Walter Kidde Portable Equipment	6702-0200	Receptacle for Remote Firefighter's Telephone Handset		59, 61	

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				$S_{DS} = 2.46\text{ g}$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$
Component Type	Manufacturer	Model	Description	Notes	UUT	
Battery Shelf	Walter Kidde Portable Equipment	3-BATS	Battery Shelf for Single 65AH Cell		4	
Battery Distribution	Walter Kidde Portable Equipment	3-BTSEN	Battery Cabinet Power Distribution Bus & 50A Breaker		4	
Power Supply	Walter Kidde Portable Equipment	3-PPS/M-120	Primary Power Supply 120V		2, 3, 58, 59, 60	
		3-PPS/M-220	Primary Power Supply 220V	Same Hardware as 3-PPS/M-120	Interp.	
		4-PPS/M	Primary Power Supply	Same Hardware as 3-PPS/M-120	Interp.	
		3-BBC/M-120	Booster Power Supply 120V		2, 5	
		3-BBC/M-220	Booster Power Supply 220V	Same Hardware as 3-BBC/M-120	Interp.	
		3-BPS/M-120	Booster Power Supply 120V		5	
Chassis	Walter Kidde Portable Equipment	3-CHASS4	Chassis Assy for 4 LRMs		3	
		3-CHAS5	Chassis for 5 LRMs		Interp.	
		3-CHAS7	Chassis Assy for 7 LRMs		2, 3, 5, 58, 59, 60, 63	
EST3 CPU	Walter Kidde Portable Equipment	3-CPU3	Central Processor Module		2, 3, 5, 63	
		3-ANNCPU3	Annunciator CPU w/ RS485 Board		1, 63	
EST4 CPU	Walter Kidde Portable Equipment	4-CPU	Central Processor Module	Mounts to chassis, 3-CHAS7 or 3-CHAS5	58, 59, 60	
		4-ANNCPU	EST4 Annunciator CPU		59, 61, 62	
		4-NET-AD	Depopulated CPU	Depopulated version of 4-ANNCPU	58, 59, 61	
		4-FWAL1	Depopulated CPU	Depopulated version of 4-ANNCPU	Interp.	
		4-FWAL2	Depopulated CPU	Depopulated version of 4-ANNCPU	Interp.	
		4-FWAL3	Depopulated CPU	Depopulated version of 4-ANNCPU	Interp.	
4-FWAL4	Depopulated CPU	Depopulated version of 4-ANNCPU	Interp.			

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				$S_{DS} = 2.46 g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$
Component Type	Manufacturer	Model	Description	Notes	UUT	
EST3 Communication Card	Walter Kidde Portable Equipment	3-FIBMB	Fiber Card, /w Adaptor Card, Ribbon Cable		3, 5	
		SMXHi	Single mode plug-in Transceiver - Long Range	Different frequency than MMXVR	Interp.	
		SMXLO	Single mode plug-in Transceiver - Short Range	Different frequency than MMXVR	Interp.	
		3-RS232	RS232 Communication Card		2, 3, 5	
		3-RS485A	Network Communication Card, Class A		2, 63	
		3-RS485B	Network Communication Card, Class B	Class A w/ Wiring Change	Interp.	
		3-MODCOM	Modem Communicator and Dialer	Software change from 3-MODCOMP	Interp.	
		3-MODCOMP	Modem Communicator and Dialer	Optional pager	3	
EST4 Communication Network Modules	Walter Kidde Portable Equipment	4-NET-TP	Twisted Pair		58, 59	
		4-NET-TP-HC	Twisted Pair		61, 62	
		4-NET-CAT	Ethernet CAT5		58, 59, 60, 61, 62	
		4-NET-SM	Single Mode Fiber		58, 59	
		4-NET-SMU	Single Mode Fiber		58	
		4-NET-SMD	Single Mode Fiber		59	
		4-NET-SMH	Single Mode Fiber		58, 59	
		4-NET-MM	Multimode Fiber		58, 59	
		4-FWAL-CAT	Ethernet CAT5	Same Hardware as 4-NET-CAT	Interp.	
		4-FWAL-SM	Single Mode Fiber	Same Hardware as 4-NET-SM	Interp.	
		4-FWAL-SMU	Single Mode Fiber	Same Hardware as 4-NET-SMU	Interp.	
		4-FWAL-SMD	Single Mode Fiber	Same Hardware as 4-NET-SMD	Interp.	
		4-FWAL-SMH	Single Mode Fiber	Same Hardware as 4-NET-SMH	Interp.	
		4-FWAL-MM	Multimode Fiber	Same Hardware as 4-NET-MM	Interp.	

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				$S_{DS} = 2.46 g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$
Component Type	Manufacturer	Model	Description	Notes	UUT	
Communication 3rd Party Module	Walter Kidde Portable Equipment	4-NET-XT	DHSL, Long Distance CAT5 to Twisted Pair		58, 59	
Common Relay Module	Walter Kidde Portable Equipment	4-COMREL	Common Relay Board, Mounted to 4-CPU		58, 59, 60	
EST3 Microphone Module	Walter Kidde Portable Equipment	3-REMICA	Remote Mic Unit - Ann Mount		1	
		3-REMICP	Remote MIC Panel Mount		5	
EST4 Microphone Module	Walter Kidde Portable Equipment	4-MIC	Paging Microphone	Mounts to EST4 UIRAIL on inner door	59, 60	
Device Circuit Module	Walter Kidde Portable Equipment	3-IDC 8/4	Initiating / Indicating Device Circuit Module		3, 58, 59, 60	
Driver Module	Walter Kidde Portable Equipment	3-LDSM	Annunciator Driver Module		3, 58	
Signal Module	Walter Kidde Portable Equipment	3-OPS	Off Premise Signal Module		5	
Access Control Module	Walter Kidde Portable Equipment	3-SAC	Security/Access Control Module		2	
Loop Controller	Walter Kidde Portable Equipment	3-AADC1	Analog Driver Controller	Firmware Change from 3-SSDC1	Interp.	
		3-DSDC1	Signature Dual Driver Controller	Same as 3-SSDC1/Branding	Interp.	
		3-SDC1	Signature Data Card for Controller		2, 3, 5, 58, 59	
		3-SDDC1	Signature Dual Driver Controller		2, 3, 59	
		3-SDDC2	Signature Dual Driver Controller	Firmware Change from 3-SDDC1	Interp.	
		3-SSDC1	Signature Single Driver Controller		5, 58, 60	
		3-SSDC2	Signature Single Driver Controller	Firmware change from 3-SSDC1	Interp.	

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Component Type	Manufacturer	Model	Description	Notes	UUT		
Cabinet Tamper Switch	Walter Kidde Portable Equipment	3-TAMP	EST3 Cabinet Tamper Switch	For use with 3-CAB7D,3-CAB14D, 3-CAB21D	2, 58		
		3-TAMP5	EST3 Cabinet Tamper Switch	For use with 4-CAB8D. Identical to 3-TAMP	Interp.		
		3-TAMPRCC	EST3 Cabinet Tamper Switch	For use with 3-RCC7R,3-RCC14R,3-RCC21R Identical to 3-TAMP.	Interp.		
		4-TAMP	EST4 Cabinet Tamper Switch	For use with 4-CAB16D,4-CAB24D,4-CAB24DL	59, 60		
Amplifier	Walter Kidde Portable Equipment	3-ZA20A	20 Watt Zone Amplifier, Class A		58, 60		
		3-ZA20B	20 Watt Zone Amplifier, Class B		59		
		3-ZA30A	30 Watt Zoned Amplifier, Class A		Interp.		
		3-ZA30B	30 Watt Zoned Amplifier, Class B		Interp.		
		3-ZA40A	40 Watt Zoned Amplifier, Class A		2, 5, 58, 60		
		3-ZA40B	40 Watt Zoned Amplifier, Class B		58, 59		
		3-ZA95	95 Watt Zoned Amplifier		3, 58, 59		
Accessories	Walter Kidde Portable Equipment	MN-NETSW1	10/100 Ethernet Network Switching Hub		3, 17		
		FW-19LCDTS3W	19 Inch Touch Screen Monitor		21		
		MN-ABPM	Audio Bridge	25Vrms for MN-FVPN VoIP Encoder/Decoder	3, 17		
		FW4UL4	FireWork Computer		20		
		PCWD2	FireWorks Computer Watchdog Card		20, 21		
		FW-SP4I	Four Port FireWorks Serial Card		20, 21		
		MN-BRKT1	Mounting Bracket for EST3 Cabinet	1 Chassis Space	3, 17		
		4-BRKT-CS	EST4 Chassis Side Mounting Bracket		58		
		4-BRKT-CB	EST4 Chassis Back Mounting Bracket		59		
		4-MPLT	Mounting Plate for Various Accessories		58, 61		
MMXVR	Multimode plug-in Transceiver		3, 5				

# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>Table Description:</b> Electrical Components	<b>TABLE 6</b>
<b>Model Line:</b> EST3 & EST4 Fire Protection System		

<b>Building Code:</b> CBC 2025	<b>Seismic Certification Limits:</b>	$S_{DS} = 1.54\text{ g } z/h=1.0$	$R_{\mu} = 1.3$	$H_f = 3.5$	$I_p = 1.5$
		$S_{DS} = 2.46\text{ g } z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$	

Component Type	Manufacturer	Model	Description	Notes	UUT
Accessories	Walter Kidde Portable Equipment	MN-PASM	Pre-AMP Supervision Module		3, 17
		MN-COM1S	TCP/IP to RS232 Interface Module		5
		MN-FVPN	VoIP Unit, Audio Encoder/Decoder		3, 17
		SIGA-CC1	Single Riser Output Module	Depopulated SIGA-CC2	Interp.
		GSA-CC1	Riser Output Module	Same as SIGA-CC1/Branding	Interp.
		SIGA-CC1S	Single Riser Output Module	Depopulated SIGA-CC2	Interp.
		GSA-CC1S	Riser Output Module	Same as SIGA-CC1/Branding	Interp.
		SIGA-CC2	Dual Riser Output Module		19
		GSA-CC2	Riser Output Module	Same as SIGA-CC2/Branding	Interp.
		SIGA-MAB	Universal Input or Output Module		55
		GSA-MAB	Universal Input or Output Module	Same as SIGA-MAB/Branding	Interp.
		SIGA-MCC1	Single Output	Depopulated SIGA-MCC2	59, 61
		GSA-MCC1	Single Output	Same as SIGA-MCC1/Branding	Interp.
		SIGA-MCC1S	Single Output, with Sync	Same as SIGA-MCC1	Interp.
		SIGA-MCC2	Dual Riser Output Module		55
		GSA-MCC2	OEM Branding, Different Functional Feature Set	Same Hardware as SIGA-MCC2/Branding	Interp.
		SIGA-MCC2A	Dual Riser Output Module Class A		54
		SIGA-MCR	Relay		55
		GSA-MCR	Relay	Same as SIGA-MCR/Branding	Interp.
		SIGA-MCRR	Relay	Same Hardware as SIGA-MCR/Diff. Layout	Interp.
GSA-MCRR	Relay	Same as SIGA-MCRR/Branding	Interp.		
SIGA-MCT2	Dual Input Pre-programmed		55, 61		
GSA-MCT2	Dual Input	Same as SIGA-MCT2/Branding	Interp.		

# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC <b>Model Line:</b> EST3 & EST4 Fire Protection System		<b>Table Description:</b> Electrical Components			<b>TABLE 6</b>		
<b>Building Code:</b> CBC 2025		<b>Seismic Certification Limits:</b>		$S_{DS} = 1.54\text{ g } z/h=1.0$ $S_{DS} = 2.46\text{ g } z/h=0.0$	$R_{\mu} = 1.3$ $R_{\mu} = 1.0$	$H_f = 3.5$ $H_f = 1.0$	$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT		
Accessories	Walter Kidde Portable Equipment	SIGA-MDM	Digital Message Module		54		
		GSA-MDM	Digital Message Module	Same as SIGA-MDM/Branding	Interp.		
		SIGA-MIO	Input/Output		55, 61		
		SIGA-MM1	Dual Input Pre-programmed	Same as SIGA-CT2	Interp.		
		GSA-MM1	Dual Input	Same as SIGA-CT2/Branding	Interp.		
		SIGA-MRM1	Riser Monitor		54		
		SIGA-RM1	Riser Monitor		3		
		SIGA-UIO2R	Two Slot Motherboard		54, 59, 61		
		GSA-UIO2R	Two Slot Motherboard	Same as SIGA-UIO2R/Branding	Interp.		
		SIGA-UIO6	Six Slot Motherboard		55		
		GSA-UIO6	Six Slot Motherboard	Same as SIGA-UIO6/Branding	Interp.		
		SIGA-UIO6R	Six Slot Motherboard, Riser Version	Same Hardware as SIGA-UIO6/Diff. Layout	61		
		GSA-UIO6R	Six Slot Motherboard, Riser Version	Same as SIGA-UIO6R/Branding	Interp.		
		SIGA-UM	Universal Input or Output Module		19		
		GSA-UM	Universal Input or Output Module	Same as SIGA-UM/Branding	Interp.		
		SIGA-WTM	Dual Input Pre-programmed	Same Hardware as SIGA-CT2	Interp.		
		GSA-WTM	Dual Input Pre-programmed	Same as SIGA-UM/Branding	Interp.		
		4-USBHUB	USB ports / RS485 Communication for Coded Output Module 3-CDR3	Isolated and Non-isolated USB Ports.	58, 59, 61		
CDR3	Coded Output Module		59				

# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC <b>Model Line:</b> EST3 & EST4 Fire Protection System		<b>Table Description:</b> Electrical Components			<b>TABLE 6</b>	
<b>Building Code:</b> CBC 2025		<b>Seismic Certification Limits:</b>		$S_{DS} = 1.54 g$ $z/h=1.0$	$R_{\mu} = 1.3$	$H_f = 3.5$
				$S_{DS} = 2.46 g$ $z/h=0.0$	$R_{\mu} = 1.0$	$H_f = 1.0$
Component Type	Manufacturer	Model	Description	Notes	UUT	
Filler Plate	Walter Kidde Portable Equipment	3-ANNBF	Filler Plate		1	
		3-LRMF	Filler Plate		3, 5	
		3-XFP	Filler Plate	Same as 3-LRFM	Interp.	
		4-FIL	Filler Plate		59, 60	
Flex Cables	Walter Kidde Portable Equipment	4-CABL0502	4-LCD to 4-CPU or 4-ANNCPU		59, 60, 61, 62	
		4-CABL0504	4-LCD or 4-LCDAUDEL to 4-ANNCPU		59, 60	
		4-CABL0505	Door Rail to Rail		59, 60, 61, 62	
		4-CABL0507	Door Rail to Rail		Interp.	
		4-CABL0509	4-LCDAUDEL to 4-ANNCPU		59, 60	
		4-CABL0541	4-3LCD to 4-CPU		58	
		4-CABL0542	4-CPU or 4-ANNCPU w/out LCD to Inner Door		Interp.	



# UNIT UNDER TEST (UUT) SUMMARY SHEET

2101226-CR-001-R1



**Manufacturer:** Walter Kidde Portable Equipment, LLC

**Model Line:** EST3 & EST4 Fire Protection System

UUT	Unit Description (mounting)	Report Number (UUT#)	Testing Lab	Tested	ISO 17025?	S <sub>DS</sub>	z/h	R <sub>p</sub>	H <sub>f</sub>	I <sub>p</sub>
1	10ANN/B-S (wall mounted - rigid)	3925.02 (UUT1)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
2	3-CAB14B (wall mounted - rigid)	3925.02 (UUT2)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
3	3-CAB21B (wall mounted - rigid)	3925.02 (UUT3)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
4	3-RCC14R (wall mounted - rigid)	3925.02 (UUT4)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
5	3-RCC21R (wall mounted - rigid)	3925.02 (UUT5)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
6-16	NOT USED DATE: 03/13/2026									
17	APS10A (wall mounted - rigid)	3925.02 (UUT17)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
18	BC-1 (wall mounted - rigid)	3925.02 (UUT18)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
19	BPS10A (wall mounted - rigid)	3925.02 (UUT19)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
20	FW4UL4 (wall mounted - rigid)	3925.02 (UUT20)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
21	FW-19LCDTS3W (wall mounted - rigid)	3925.02 (UUT21)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
22-53	NOT USED									

**Notes:**

1. ANCO Engineers, Inc. is not ISO 17025 accredited but has been reviewed by TRU Compliance and found to meet the requirements for ICC-ES AC156 testing. Review form is on file with TRU Compliance.

# UNIT UNDER TEST (UUT) SUMMARY SHEET

2101226-CR-001-R1



**Manufacturer:** Walter Kidde Portable Equipment, LLC  
**Model Line:** EST3 & EST4 Fire Protection System

UUT	Unit Description (mounting)	Report Number (UUT#)	Testing Lab	Tested	ISO 17025?	S <sub>DS</sub>	z/h	R <sub>μ</sub>	H <sub>f</sub>	I <sub>p</sub>
54	SIGA-UIO2R (wall mounted - rigid)	3925.02 (UUT54)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
55	SIGA-UIO6 (wall mounted - rigid)	3925.02 (UUT55)	ANCO Engineers, Inc.	2-Oct. to 18-Nov. 2009	No <sup>1</sup>	1.54 2.46	1.0 0.0	1.3 1.0	3.5 1.0	1.5
56-57	NOT USED									
58	EST3: 3-CAB21B w/3-CAB21D (wall mounted - rigid)	15371 Rev. 1 (UUT58)	Environmental Testing Lab (ETL)	23-July 2019	Yes	2.00 3.20	1.0 0.0	1.3 1.0	3.5 1.0	1.5
59	EST4: 3-CAB21B w/4-CAB24DL (wall mounted - rigid)	15371 Rev. 1 (UUT59)	Environmental Testing Lab (ETL)	23-July 2019	Yes	2.00 3.20	1.0 0.0	1.3 1.0	3.5 1.0	1.5
60	EST4: 3-CAB7B w/4-CAB16DR (wall mounted - rigid)	15371 Rev. 1 (UUT60)	Environmental Testing Lab (ETL)	23-July 2019	Yes	2.00 3.20	1.0 0.0	1.3 1.0	3.5 1.0	1.5
61	EST4: 4-24ANNMT w/4- CAB24DR (wall mounted - rigid)	15371 Rev. 1 (UUT61)	Environmental Testing Lab (ETL)	23-July 2019	Yes	2.00 3.20	1.0 0.0	1.3 1.0	3.5 1.0	1.5
62	EST4: 4-2ANNMT w/4-2ANND (wall mounted - rigid)	15371 Rev. 1 (UUT62)	Environmental Testing Lab (ETL)	23-July 2019	Yes	2.00 3.20	1.0 0.0	1.3 1.0	3.5 1.0	1.5
63	EST3: 3-4ANN/B w/3-4ANN/D (wall mounted - rigid)	15371 Rev. 1 (UUT63)	Environmental Testing Lab (ETL)	23-July 2019	Yes	2.00 3.20	1.0 0.0	1.3 1.0	3.5 1.0	1.5

**Notes:**  
1. ANCO Engineers, Inc. is not ISO 17025 accredited but has been reviewed by TRU Compliance and found to meet the requirements for ICC-ES AC156 testing. Review form is on file with TRU Compliance.



# UNIT UNDER TEST (UUT) SUMMARY SHEET

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>UUT 2</b>
<b>Product Type:</b> Fire Alarm Control Panels	
<b>Model Line:</b> EST3 & EST4 Fire Protection System	
<b>Model Number:</b> 3-CAB14B	
<b>Serial Number:</b> n/a	
<b>Test Report:</b> 3925.02 (UUT2)	

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
130	5.8	28.0	37.5	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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 2025	ICC-ES AC 156-24	1.54	1.0	1.3	3.5	1.5	2.46	1.66	1.64	0.66	
		2.46	0.0	1.0	1.0						

Product Construction Summary:	Options/Subcomponent Summary:
-------------------------------	-------------------------------

14 ga. Carbon Steel Enclosure	<b>Description</b>	<b>Mfr.</b>	<b>Part Number</b>
	Batteries	Leoch	12V17A, 12V18A
	Access Control Module		3-SAC

Test Mounting Details:	Options/Subcomponent Summary:
------------------------	-------------------------------

	Amplifier		3-ZA40A	
	Cabinet Tamper Switch		3-TAMP	
	Chassis		3-CHAS7	
	EST3 Audio Module		3-ASU/FT	
	EST3 Communication Card	Walter Kidde Portable Equipment	3-RS232, 3-RS485A	
	EST3 CPU		3-CPU3	
	EST3 Display Module		3-LCD	
	EST3 Doors		3-CAB14D	
	EST3 LED/Switch Module		3-12/S1GY, 3-12/S1RY, 3-12/S2Y, 3-6/3S1G2Y, 3-6/3S1GYR	
	EST3 Telephone Module		3-FTCU	
	Loop Controller		3-SDC1, 3-SDDC1	
	Power Supply		3-PPS/M-120, 3-BBC/M-120	

Unistrut was rigid mounted to a 5/8" fire-rated drywall covered wall fixture using (6) ungraded 3/16" toggle bolts. The unit was rigid wall mounted to unistrut using (4) ungraded 1/4" bolts into spring nuts. 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

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>UUT 3</b>
<b>Product Type:</b> Fire Alarm Control Panels	
<b>Model Line:</b> EST3 & EST4 Fire Protection System	
<b>Model Number:</b> 3-CAB21B	
<b>Serial Number:</b> n/a	
<b>Test Report:</b> 3925.02 (UUT3)	

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
157	5.8	28.0	48.0	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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 2025	ICC-ES AC 156-24	1.54	1.0	1.3	3.5	1.5	2.46	1.66	1.64	0.66	
		2.46	0.0	1.0	1.0						

Product Construction Summary:	Options/Subcomponent Summary:
-------------------------------	-------------------------------

14 ga. Carbon Steel Enclosure	<b>Description</b>	<b>Mfr.</b>	<b>Part Number</b>
 <p>Unistrut was rigid mounted to a 5/8" fire-rated drywall covered wall fixture using (6) ungraded 3/16" toggle bolts. The unit was rigid wall mounted to unistrut using (4) ungraded 1/4" bolts into spring nuts. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.</p>	Batteries	Leoch	12V17A, 12V18A (x2)
	Accessories		MN-NETSW1, MN-ABPM, MN-BRKT1, MMXVR (x2), MN-PASM, MN-FVFN, SIGA-RM1
	Amplifier		3-ZA95
	Chassis		3-CHASS4, 3-CHAS7
	Device Circuit Module		3-IDC 8/4
	Driver Module		3-LDSM
	EST3 Audio Module		3-ASU
	EST3 Communication Card	Walter Kidde Portable Equipment	3-FIBMB, 3-RS232, 3-MODCOMP
	EST3 CPU		3-CPU3
	EST3 Display Module		3-LCDXL1
	EST3 Doors		3-CAB21D
	EST3 LED/Switch Module		3-12/S2Y, 3-12RY, 3-12SG, 3-12SR, 3-12SY, 3-24G, 3-24R, 3-24Y, 3-6/3S1GYR
	Filler Plate		3-LRMF
	Loop Controller		3-SDC1 (x2), 3-SDC1, 3-SDDC1
	Power Supply		3-PPS/M-120







# UNIT UNDER TEST (UUT) SUMMARY SHEET

2101226-CR-001-R1



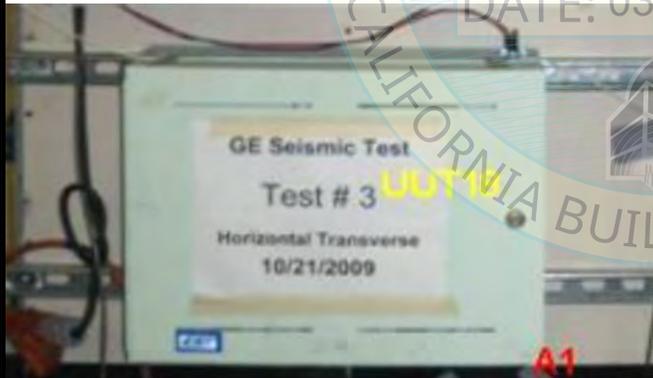
<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>UUT 18</b>
<b>Product Type:</b> Fire Alarm Control Panels	
<b>Model Line:</b> EST3 & EST4 Fire Protection System	
<b>Model Number:</b> BC-1	
<b>Serial Number:</b> n/a	
<b>Test Report:</b> 3925.02 (UUT18)	

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
82.5	7.3	18.3	14.0	n/a	n/a	n/a

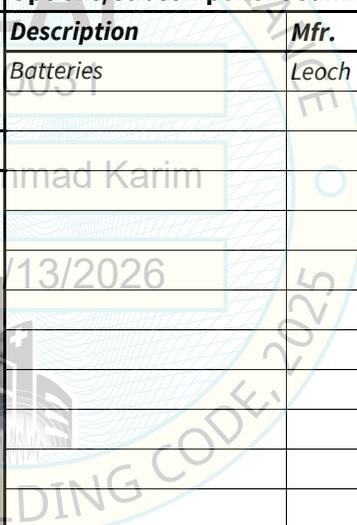
UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)	
CBC 2025	ICC-ES AC 156-24	1.54	1.0	1.3	3.5	1.5	2.46	1.66	1.64	0.66	
		2.46	0.0	1.0	1.0						

Product Construction Summary:	Options/Subcomponent Summary:		
16 ga Carbon Steel Enclosure	Description	Mfr.	Part Number
	Batteries	Leoch	12V40A (x2)

Test Mounting Details:
BY: Mohammad Karim
DATE: 03/13/2026



Unistrut was rigid mounted to a 5/8" fire-rated drywall covered wall fixture using (6) ungraded 3/16" toggle bolts. The unit was rigid wall mounted to unistrut using (4) ungraded 1/4" bolts into spring nuts. 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

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>UUT 58</b>
<b>Product Type:</b> Fire Alarm Control Panels	
<b>Model Line:</b> EST3 & EST4 Fire Protection System	
<b>Model Number:</b> 3-CAB21B	
<b>Serial Number:</b> n/a	
<b>Test Report:</b> 15371 Rev. 1 (UUT58)	

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
149	5.8	28.0	52.0	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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 2025	ICC-ES AC 156-24	2.00	1.0	1.3	3.5	1.5	3.20	2.15	2.13	0.85	
		3.20	0.0	1.0	1.0						

Product Construction Summary:	Options/Subcomponent Summary:		
Description	Mfr.	Part Number	
EST3, 14 ga. Carbon Steel Lobby Enclosure (3-CAB21B Backbox with 3-CAB21D Door).	Leoch	12V17A	
Batteries		4-BRKT-CS, 4-MPLT, 4-USBHUB	
Accessories		3-ZA20A, 3-ZA40A, 3-ZA40B, 3-ZA95	
Amplifier		3-TAMP	
Cabinet Tamper Switch		3-CHAS7	
Chassis		4-COMREL	
Common Relay Module		4-NET-XT	
Communication 3rd Party Module		3-IDC 8/4	
Device Circuit Module		3-LDSM	
Driver Module		3-CAB21D	
EST3 Doors	Walter Kidde Portable Equipment	3-12/S1GY, 3-12/S1RY, 3-12/S2Y, 3-12RY, 3-12SG, 3-12SR, 3-12SY, 3-24G, 3-24R, 3-24Y, 3-6/3S1G2Y, 3-6/3S1GYR	
EST3 LED/Switch Module		4-AUDTELS	
EST4 Audio Module		4-NET-TP, 4-NET-CAT, 4-NET-SM, 4-NET-SMU, 4-NET-SMH, 4-NET-MM	
EST4 Communication Network Modules		4-CPU, 4-NET-AD	
EST4 CPU		4-3LCD	
EST4 Display Module		4-CABL0541	
Flex Cables		3-SDC1, 3-SSDC1	
Loop Controller		3-PPS/M-120	
Power Supply			

**Test Mounting Details:**



UUT 58 was rigid mounted to a wall fixture using six (6) 1/4" ungraded bolts and flat washers. 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

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>UUT 59</b>
<b>Product Type:</b> Fire Alarm Control Panels	
<b>Model Line:</b> EST3 & EST4 Fire Protection System	
<b>Model Number:</b> 3-CAB21B	
<b>Serial Number:</b> n/a	
<b>Test Report:</b> 15371 Rev. 1 (UUT59)	

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
167	5.8	28.0	52.0	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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 2025	ICC-ES AC 156-24	2.00	1.0	1.3	3.5	1.5	3.20	2.15	2.13	0.85	
		3.20	0.0	1.0	1.0						

**Product Construction Summary:** EST4, 14 ga. Carbon Steel Lobby Enclosure (3-CAB21B Backbox with 4-CAB24DL Door).

EST4, 14 ga. Carbon Steel Lobby Enclosure (3-CAB21B Backbox with 4-CAB24DL Door).

**Options/Subcomponent Summary:**

Description	Mfr.	Part Number
Batteries	Leoch	12V17A
Accessories		4-BRKT-CB, SIGA-MCC1, SIGA-UIO2R, 4-USBHUB, CDR3
Amplifier		3-ZA20B, 3-ZA40B, 3-ZA95
Cabinet Tamper Switch		4-TAMP
Chassis		3-CHAS7
Common Relay Module		4-COMREL
Communication 3rd Party Module		4-NET-XT
Device Circuit Module		3-IDC 8/4
EST4 Audio Module		4-AUDELS, 4-ANNAUDEL
EST4 Communication Network Modules	Walter Kidde Portable Equipment	4-NET-TP, 4-NET-CAT, 4-NET-SM, 4-NET-SMD, 4-NET-SMH, 4-NET-MM
EST4 CPU		4-CPU, 4-ANNCPU, 4-NET-AD
EST4 Display Module		4-LCD, 4-LCDAUDEL
EST4 Doors		4-CAB24DL
EST4 LED/Switch Module		4-24L, 4-24L24S, 4-24L18S, 4-24L12S
EST4 Microphone Module		4-MIC
EST4 Telephone Module		4-FT
Filler Plate		4-FIL
Flex Cables		4-CABL0502, 4-CABL0504, 4-CABL0505, 4-CABL0509
Loop Controller		3-SDC1 (x2), 3-SDDC1
Power Supply		3-PPS/M-120
Telephone		6700-0061
Telephone Receptacle		6702-0200

**Test Mounting Details:**



UUT 59 was rigid mounted to a wall fixture using six (6) 1/4" ungraded bolts and flat washers. 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

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>UUT 60</b>
<b>Product Type:</b> Fire Alarm Control Panels	
<b>Model Line:</b> EST3 & EST4 Fire Protection System	
<b>Model Number:</b> 3-CAB7B	
<b>Serial Number:</b> n/a	
<b>Test Report:</b> 15371 Rev. 1 (UUT60)	

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
100	5.8	28.0	26.0	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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 2025	ICC-ES AC 156-24	2.00	1.0	1.3	3.5	1.5	3.20	2.15	2.13	0.85	
		3.20	0.0	1.0	1.0						

Product Construction Summary:	Options/Subcomponent Summary:
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EST4, 14 ga. Carbon Steel Lobby Enclosure (3-CAB7B Backbox with 4-CAB16DR Door).	Description	Mfr.	Part Number
	Batteries	Leoch	12V17A

Test Mounting Details:	Options/Subcomponent Summary:
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	Amplifier		3-ZA20A, 3-ZA40A
	Cabinet Tamper Switch		4-TAMP
	Chassis		3-CHAS7
	Common Relay Module		4-COMREL
	Device Circuit Module		3-IDC 8/4
	EST4 Audio Module		4-AUDTELS
	EST4 Communication Network Modules		4-NET-CAT
	EST4 CPU	Walter Kidde Portable Equipment	4-CPU
	EST4 Display Module		4-LCD
	EST4 Doors		4-CAB16DR
	EST4 LED/Switch Module		4-24L, 4-24L24S, 4-24L18S, 4-24L12S
	EST4 Microphone Module		4-MIC
	EST4 Telephone Module		4-FT
	Filler Plate		4-FIL
	Flex Cables		4-CABL0502, 4-CABL0504, 4-CABL0505, 4-CABL0509

UUT 60 was rigid mounted to a wall fixture using four (4) 1/4" ungraded bolts and flat washers. 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

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>UUT 61</b>
<b>Product Type:</b> Fire Alarm Control Panels	
<b>Model Line:</b> EST3 & EST4 Fire Protection System	
<b>Model Number:</b> 4-24ANNMT	
<b>Serial Number:</b> n/a	
<b>Test Report:</b> 15371 Rev. 1 (UUT61)	

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
94	9.8	30.0	43.5	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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 2025	ICC-ES AC 156-24	2.00	1.0	1.3	3.5	1.5	3.20	2.15	2.13	0.85	
		3.20	0.0	1.0	1.0						

Product Construction Summary:	Options/Subcomponent Summary:
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EST4, 16 ga. Carbon Steel Annunciator Enclosure (4-24ANNMT Backbox with 4-CAB24DR Door).	<table border="1"> <thead> <tr> <th>Description</th> <th>Mfr.</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>Accessories</td> <td></td> <td>4-MPLT, SIGA-MCC1, SIGA-MCT2, SIGA-MIO, SIGA-UIO2R, SIGA-UIO6R, 4-USBHUB</td> </tr> <tr> <td>EST4 Communication Network Modules</td> <td></td> <td>4-NET-TP-HC, 4-NET-CAT</td> </tr> <tr> <td>EST4 CPU</td> <td>Walter Kidde</td> <td>4-ANNCPU, 4-NET-AD</td> </tr> <tr> <td>EST4 Display Module</td> <td>Portable Equipment</td> <td>4-LCD</td> </tr> <tr> <td>EST4 Doors</td> <td></td> <td>4-CAB24DR</td> </tr> <tr> <td>EST4 LED/Switch Module</td> <td></td> <td>4-24L, 4-24L24S, 4-24L18S, 4-24L12S</td> </tr> <tr> <td>Flex Cables</td> <td></td> <td>4-CABL0502, 4-CABL0505</td> </tr> <tr> <td>Telephone</td> <td></td> <td>6700-0061</td> </tr> <tr> <td>Telephone Receptacle</td> <td></td> <td>6702-0200</td> </tr> </tbody> </table>	Description	Mfr.	Part Number	Accessories		4-MPLT, SIGA-MCC1, SIGA-MCT2, SIGA-MIO, SIGA-UIO2R, SIGA-UIO6R, 4-USBHUB	EST4 Communication Network Modules		4-NET-TP-HC, 4-NET-CAT	EST4 CPU	Walter Kidde	4-ANNCPU, 4-NET-AD	EST4 Display Module	Portable Equipment	4-LCD	EST4 Doors		4-CAB24DR	EST4 LED/Switch Module		4-24L, 4-24L24S, 4-24L18S, 4-24L12S	Flex Cables		4-CABL0502, 4-CABL0505	Telephone		6700-0061	Telephone Receptacle		6702-0200
Description	Mfr.	Part Number																													
Accessories		4-MPLT, SIGA-MCC1, SIGA-MCT2, SIGA-MIO, SIGA-UIO2R, SIGA-UIO6R, 4-USBHUB																													
EST4 Communication Network Modules		4-NET-TP-HC, 4-NET-CAT																													
EST4 CPU	Walter Kidde	4-ANNCPU, 4-NET-AD																													
EST4 Display Module	Portable Equipment	4-LCD																													
EST4 Doors		4-CAB24DR																													
EST4 LED/Switch Module		4-24L, 4-24L24S, 4-24L18S, 4-24L12S																													
Flex Cables		4-CABL0502, 4-CABL0505																													
Telephone		6700-0061																													
Telephone Receptacle		6702-0200																													

Test Mounting Details:
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UUT 61 was rigid mounted to a wall fixture using six (6) 3/16" ungraded bolts and flat washers. 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

2101226-CR-001-R1



<b>Manufacturer:</b> Walter Kidde Portable Equipment, LLC	<b>UUT 62</b>
<b>Product Type:</b> Fire Alarm Control Panels	
<b>Model Line:</b> EST3 & EST4 Fire Protection System	
<b>Model Number:</b> 4-2ANNMT	
<b>Serial Number:</b> n/a	
<b>Test Report:</b> 15371 Rev. 1 (UUT62)	

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
10.5	4.3	10.3	13.8	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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 2025	ICC-ES AC 156-24	2.00	1.0	1.3	3.5	1.5	3.20	2.15	2.13	0.85	
		3.20	0.0	1.0	1.0						

Product Construction Summary:	Options/Subcomponent Summary:
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EST4, 16 ga. Carbon Steel Annunciator Enclosure (4-2ANNMT Backbox with 4-2ANND Door).	Description	Mfr.	Part Number
	EST4 Communication Network Modules	Walter Kidde Portable Equipment	4-NET-TP-HC, 4-NET-CAT

Test Mounting Details:	Description	Mfr.	Part Number
	EST4 CPU	Walter Kidde Portable Equipment	4-ANNCPU
	EST4 Display Module	Walter Kidde Portable Equipment	4-LCD
	EST4 Doors	Walter Kidde Portable Equipment	4-2ANND
	Flex Cables	Walter Kidde Portable Equipment	4-CABL0502, 4-CABL0505

UUT 62 was rigid mounted to a wall fixture using four (4) 3/16" ungraded bolts and flat washers. 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

2101226-CR-001-R1



<b>Manufacturer:</b>	Walter Kidde Portable Equipment, LLC	<b>UUT 63</b>
<b>Product Type:</b>	Fire Alarm Control Panels	
<b>Model Line:</b>	EST3 & EST4 Fire Protection System	
<b>Model Number:</b>	3-4ANN/B	
<b>Serial Number:</b>	n/a	
<b>Test Report:</b>		15371 Rev. 1 (UUT63)

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
11.0	3.5	11.5	13.3	n/a	n/a	n/a

UUT Highest Passed Seismic Run Information											
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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 2025	ICC-ES AC 156-24	2.00	1.0	1.3	3.5	1.5	3.20	2.15	2.13	0.85	
		3.20	0.0	1.0	1.0						

Product Construction Summary:	Options/Subcomponent Summary:
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EST3, 16 ga. Carbon Steel Annunciator Enclosure (3-4ANN/B Backbox with 3-4ANND Door).	Description	Mfr.	Part Number
	Annunciator Display		3-ANNSM
	Chassis		3-CHAS7

Test Mounting Details:	Description	Mfr.	Part Number
	EST3 Communication Card	Walter Kidde	3-RS485A
	EST3 CPU	Portable Equipment	3-CPU3, 3-ANNCPU3
	EST3 Display Module		3-LCDANN
	EST3 Doors		3-4ANN/D
	EST3 LED/Switch Module		3-12SG, 3-4/3SGYWR

UUT 63 was rigid mounted to a wall fixture using four (4) 3/16" ungraded bolts and flat washers. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.