



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP – 0065

OSHPD Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Honeywell

Manufacturer's Technical Representative: Michael Yanofsky

Mailing Address: 12 Clintonville Road, Northford, CT 06472

Telephone: (203)-484-6247

Email: [Michael.Yanofsky@honeywell.com](mailto:Michael.Yanofsky@honeywell.com)

Product Information

Product Name: Silent Knight

Product Type: Fire Control Panels

Product Model Number: Varies (See Attachments)

(List all unique product identification numbers and/or part numbers)

General Description: Wall Mounted custom Fire Control Panels with Communication Devices

Seismic enhancement made to the test units and modifications required to address the anomalies observed during the tests shall be incorporated into production units

Mounting Description: Rigid Wall Mounted

Applicant Information

Applicant Company Name: The VMC Group


Contact Person: John P. Giuliano

Mailing Address: 113 Main Street, Bloomingdale, NJ 07403

Telephone: (973)-838-1780

Email: [john.giuliano@thvmcgroup.com](mailto:john.giuliano@thvmcgroup.com)

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant: 

Date: 8/5/2019

Title: President

Company Name: VMC Group

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

OSHPD



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

**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

Company Name: The VMC Group

Name: Kenneth Tarlow California License Number: SE2851

Mailing Address: 113 Main Street, Bloomingdale, NJ 07403

Telephone: (973)-838-1780 Email: [ken.tarlow@thevmcgroup.com](mailto:ken.tarlow@thevmcgroup.com)

**Supports and Attachments Preapproval**

- ☐ Supports and attachments are preapproved under OPM-  
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- ☒ Supports and attachments are not preapproved

**Certification Method**

- ☒ Testing in accordance with: ☒ ICC-ES AC156
- ☐ Other (Please Specify): \_\_\_\_\_

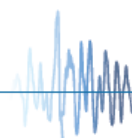
**Testing Laboratory**

Company Name: Dynamic Certification Laboratories

Contact Name: Kelly Laplace

Mailing Address: 1315 Greg Street, Suite 109, Sparks, NV 89431

Telephone: (775)-358-5085 Email: [kelly@shaketest.com](mailto:kelly@shaketest.com)





# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

## Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: ☒ Yes ☐ No

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.50 (z/h = 1); 1.125 (z/h = 0)

$S_{DS}$  (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1); 2.50 (z/h = 0)

$a_p$  (In-structure equipment or component amplification factor) = 2.5

$R_p$  (Equipment or component response modification factor) = 6.0

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

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

Equipment or Component Natural Frequencies (Hz) = See Attachments

Overall dimensions and weight (or range thereof) = See Attachments

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: ☐ Yes ☒ No

Design Basis of Equipment or Components ( $V/W$ ) = \_\_\_\_\_

$S_{DS}$  (Design spectral response acceleration at short period, g) = \_\_\_\_\_

$S_{D1}$  (Design spectral response acceleration at 1 second period, g) = \_\_\_\_\_

R (Response modification coefficient) = \_\_\_\_\_

$\Omega_0$  (System overstrength factor) = \_\_\_\_\_

$C_d$  (Deflection amplification factor) = \_\_\_\_\_

$I_p$  (Importance factor) = 1.5

Height to Center of Gravity above base = \_\_\_\_\_

Equipment or Component Natural Frequencies (Hz) = \_\_\_\_\_

Overall dimensions and weight (or range thereof) = \_\_\_\_\_

Tank(s) designed in accordance with ASME BPVC, 2015: ☐ Yes ☒ No

## List of Attachments Supporting Special Seismic Certification

☒ Test Report(s) ☒ Drawings ☐ Calculations ☒ Manufacturer's Catalog

☐ Other(s) (Please Specify): \_\_\_\_\_

## OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025

Signature: \_\_\_\_\_

Date: April 10, 2020

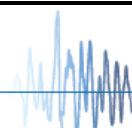
Print Name: Timothy J. Piland

Title: SSE

Special Seismic Certification Valid Up to:  $S_{DS}$  (g) = See Above

z/h = See Above

Condition of Approval (if applicable): \_\_\_\_\_



**Table 1 - Certified Product Tables**

Alternate Branding Model Numbers						Basic Description	Unit Details	Mounting	Weight Without Batteries [ lbs ]	Max Weight [ lbs ]	Max Dimensions [ in ]			Interpolation / Extrapolation Justification	UUT
Honeywell	Silent Knight	Farenhyt	Notifier	Fire-Lite	Gamewell FCI						Width	Height	Depth		
Cell Antenna (GSM)						Antenna	Antenna that boosts reception for GSM communicator cards	Surface Wall Mount	N/A	0.2	6.3	1.0	0.4	Depopulated UUT 10	Extrapolated
Cell Antenna (LTE)						Antenna	Antenna that boosts reception for LTE communicator cards	Surface Wall Mount	N/A	0.2	7.4	1.9	0.4	Depopulated UUT 11	Extrapolated
CELL-MOD						Cellular Communicator in Small Plastic Enclosure with Antenna	Houses an GSM (cellular) communicator card for central station reporting	Surface Wall Mount	N/A	1	6.0	7.0	2.0	Tested	UUT 10
LTE-MOD						Cellular Communicator in Small Plastic Enclosure	Houses an LTE (cellular) communicator card for central station reporting	Surface Wall Mount	N/A	0.8	6.0	7.8	2.0	Bookended by UUT10 & UUT11	Interpolated
	CELL-CAB-SK					Cellular Communicator in Small Plastic Enclosure	Houses an GSM (cellular) communicator card for central station reporting	Surface Wall Mount	N/A	4.4	10.2	10.4	3.2	Bookended by UUT10 & UUT11	Interpolated
	LTE-CAB-SK					Cellular Communicator in Small Plastic Enclosure with Antenna	Houses an LTE (cellular) communicator card for central station reporting	Surface Wall Mount	N/A	5	10.0	10.0	3.0	Tested	UUT 11
	5129					Cellular Communicator in Small Plastic Enclosure (SK2190)	4 Channel Communicator	Surface Wall Mount	N/A	6	10.0	10.0	3.0	Extrapolated by UUT 11	Extrapolated
	5135					Cellular Communicator in Small Plastic Enclosure (SK2190)	4 Channel Communicator	Surface Wall Mount	N/A	6	10.0	10.0	3.0	Extrapolated by UUT 11	Extrapolated
RBB						Batteries in Small Metal Enclosure	Remote Battery Box Cabinet	Surface Wall Mount	10	55	16.0	10.0	6.0	Tested	UUT 8
	5104					Fire Alarm Control Panel in Small Metal Cabinet	Fire Control 6 Channel Communicator	Surface Wall Mount	N/A	14	12.0	16.0	3.0	Tested	UUT 2
		IFP-76				Fire Alarm Control Panel in Small Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	15	23	12.7	15.1	3.3	Bookended by UUT 2 & UUT 7	Interpolated
		IFP-75				Fire Alarm Control Panel in Small Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	15	23	12.7	15.1	3.3	Bookended by UUT 2 & UUT 7	Interpolated

**Table 1 - Certified Product Tables (Continued)**

Alternate Branding Model Numbers						Basic Description	Unit Details	Mounting	Weight Without Batteries [ lbs ]	Max Weight [ lbs ]	Max Dimensions [ in ]			Interpolation / Extrapolation Justification	UUT
Honeywell	Silent Knight	Farenhyt	Notifier	Fire-Lite	Gamewell FCI						Width	Height	Depth		
		IFP-75B				Fire Alarm Control Panel in Small Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	15	23	12.7	15.1	3.3	Bookended by UUT 2 & UUT 7	Interpolated
					GWF-7075	Fire Alarm Control Panel in Small Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	15	23	12.7	15.1	3.3	Bookended by UUT 2 & UUT 7	Interpolated
	5700	IFP-50				Fire Alarm Control Panel in Small Metal Cabinet	50 Pt. Single Loop Addressable Panel	Surface Wall Mount	11.5	19.5	12.7	15.1	3.3	Depopulated UUT 7	Extrapolated
	5600 / 5600C	IFP-25				Fire Alarm Control Panel in Small Metal Cabinet	25 Pt. Single Loop Addressable Panel	Surface Wall Mount	11.5	19.5	12.7	15.1	3.3	Depopulated UUT 7	Extrapolated
	6700					Fire Alarm Control Panel in Small Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	15	23	13.0	15.0	3.0	Tested	UUT 7
	5495					Power Supply in Small Metal Cabinet	6 Amp Distributed Power Module	Surface Wall Mount	18.5	26.5	12.3	15.3	3.0	Bookended by UUT 3 & UUT 7	Interpolated
	5499					Power Supply in Small Metal Cabinet	9 Amp Distributed Power Module	Surface Wall Mount	18.5	26.5	12.3	15.3	3.0	Bookended by UUT 3 & UUT 7	Interpolated
	5496					Power Supply in Small Metal Cabinet	6 Amp Distributed Power Module	Surface Wall Mount	18.5	26.5	12.3	15.3	3.0	Bookended by UUT 3 & UUT 7	Interpolated
	5208					Fire Alarm Control Panel in Medium Metal Cabinet	Fire Alarm Control Panel w/ Digital Communicator	Surface Wall Mount	28	48	17.0	26.0	4.0	Tested	UUT 3
		RPS-2000				Power Supply in Medium Metal Cabinet	Distributed Power Module	Surface Wall Mount	28	48	16.0	26.4	4.7	Depopulated UUT 3	Extrapolated
	5895XL					Power Supply in Medium Metal Cabinet	Distributed Power Module	Surface Wall Mount	28	48	16.1	26.4	4.1	Depopulated UUT 3	Extrapolated
		RPS-1000				Power Supply in Medium Metal Cabinet	6 Amp Distributed Power Module	Surface Wall Mount	28	48	16.1	26.4	4.1	Depopulated UUT 3	Extrapolated
					FLEX410 / GWF410	Fire Alarm Control Panel in Medium Metal Cabinet	Fire Alarm Control Panel w/ Digital Communicator	Surface Wall Mount	28	48	16.0	26.4	4.0	Bookended by UUT 3 & UUT 1	Interpolated
	5820XL					Fire Alarm Control Panel in Medium Metal Cabinet	Addressable Fire Alarm Panel	Surface Wall Mount	28	48	16.2	26.4	4.2	Bookended by UUT 3 & UUT 1	Interpolated
		IFP-1000				Fire Alarm Control Panel in Medium Metal Cabinet	Addressable Fire Alarm Panel	Surface Wall Mount	28	48	16.2	26.4	4.2	Bookended by UUT 3 & UUT 1	Interpolated
		IFP-100				Fire Alarm Control Panel in Medium Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	28	48	16.0	26.4	4.7	Bookended by UUT 3 & UUT 1	Interpolated

**Table 1 - Certified Product Tables (Continued)**

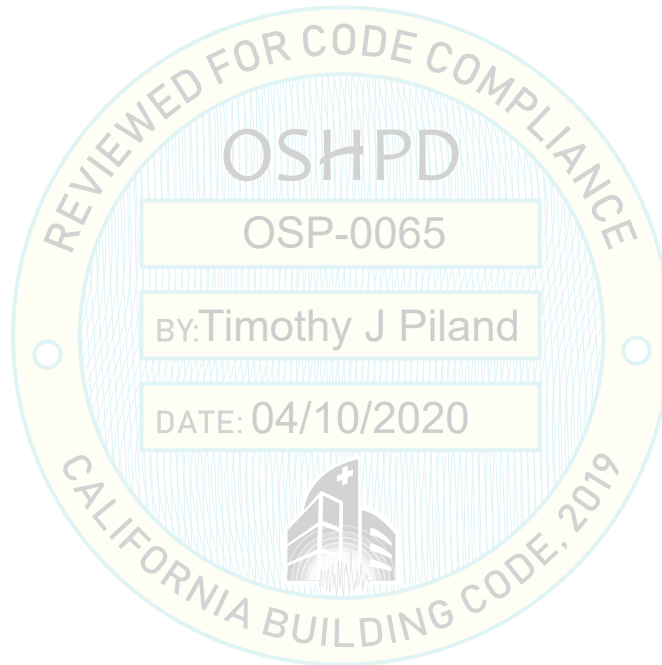
Alternate Branding Model Numbers						Basic Description	Unit Details	Mounting	Weight Without Batteries [ lbs ]	Max Weight [ lbs ]	Max Dimensions [ in ]			Interpolation / Extrapolation Justification	UIT
Honeywell	Silent Knight	Farenhyt	Notifier	Fire-Lite	Gamewell FCI						Width	Height	Depth		
	5808					Fire Alarm Control Panel in Medium Metal Cabinet	127 Pt. Single Loop Addressable Panel	Surface Wall Mount	28	48	16.0	26.4	4.7	Bookended by UIT 3 & UIT 1	Interpolated
	6808					Fire Alarm Control Panel in Medium Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	28	48	16.4	26.4	4.1	Bookended by UIT 3 & UIT 1	Interpolated
		IFP-2000				Fire Alarm Control Panel in Medium Metal Cabinet	Scalable Analog / Addressable Fire Alarm Control Panel	Surface Wall Mount	28	48	16.0	26.4	4.7	Bookended by UIT 3 & UIT 1	Interpolated
	6820					Fire Alarm Control Panel in Medium Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	28	48	16.4	26.4	4.1	Bookended by UIT 3 & UIT 1	Interpolated
		RFP-2100				Fire Alarm Control Panel in Medium Metal Cabinet	Scalable Analog/Addressable Fire Alarm Control System	Surface Wall Mount	28	48	16.4	26.4	4.1	Bookended by UIT 3 & UIT 1	Interpolated
		IFP-300				Fire Alarm Control Panel in Medium Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	28	48	16.4	26.4	4.1	Bookended by UIT 3 & UIT 1	Interpolated
		IFP-2100				Fire Alarm Control Panel in Medium Metal Cabinet	Intelligent Fire Alarm Control Panel	Surface Wall Mount	28	48	16.4	26.4	4.1	Bookended by UIT 3 & UIT 1	Interpolated
	SKE-450				150-00026 / FV IV-50	Fire Alarm Control Panel with Microphone in Medium Metal Cabinet	Voice Evacuation System	Surface Wall Mount	28	56	17.0	26.0	4.0	Tested	UIT 1
	VIP-50					Amplifier in Medium Metal Cabinet	50 Watt Amplifier	Surface Wall Mount	11.5	19.5	16.0	26.3	4.0	Depopulated UIT 9	Extrapolated
		ECS-50	NFC-50DA	ECC-50DA		Amplifier in Medium Metal Cabinet	50 Watt Amplifier	Surface Wall Mount	11.5	19.5	16.0	26.3	4.0	Depopulated UIT 9	Extrapolated
	VIP-125					Amplifier in Medium Metal Cabinet	125 Watt Amplifier	Surface Wall Mount	28	46	16.0	26.3	4.0	Depopulated UIT 9	Extrapolated
		ECS-125	NFC-125DA	ECC-125DA		Amplifier in Medium Metal Cabinet	125 Watt Amplifier	Surface Wall Mount	28	46	16.0	26.3	4.0	Depopulated UIT 9	Extrapolated
	EVS-125W					Amplifier in Medium Metal Cabinet	External Amplifier	Surface Wall Mount	28	49	16.0	26.3	4.0	Tested	UIT 9
		IFP-100VIP				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Voice Integration Panel	Surface Wall Mount	28	46	20.4	27.0	5.0	Bookended by UIT 5 & UIT 9	Interpolated
		IFP-100ECS				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Voice Integration Panel	Surface Wall Mount	28	46	20.4	27.0	5.0	Bookended by UIT 5 & UIT 9	Interpolated



		IFP-300ECSB				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Emergency Communication System with Fire Alarm Control Panel	Surface Wall Mount	55	70	21.6	28.1	5.1	Bookended by UUT 5 & UUT 9	Interpolated
		IFP-300 ECS				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Emergency Communication System with Fire Alarm Control Panel	Surface Wall Mount	55	70	22.0	28.0	5.0	Tested	UUT 5
		VIP-RM				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Remote Display / Microphone	Surface / Flush Wall Mount	53	71	20.0	26.5	4.6	Bookended by UUT 5 & UUT 6	Interpolated
		ECS-RM / ECS-RCU-2000				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Remote Display / Microphone	Surface / Flush Wall Mount	53	71	20.0	26.5	4.6	Bookended by UUT 5 & UUT 6	Interpolated
		IFP-2000VIP				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Voice Integration Panel with Analog / Addressable Fore Alarm Control	Surface / Flush Wall Mount	53	71	20.0	26.5	4.6	Bookended by UUT 5 & UUT 6	Interpolated
		IFP-2000ECS				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Voice Integration Panel with Analog / Addressable Fore Alarm Control	Surface / Flush Wall Mount	53	71	20.0	26.5	4.6	Bookended by UUT 5 & UUT 6	Interpolated
		VIP-RM2000				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Remote Display / Microphone	Surface / Flush Wall Mount	53	71	20.0	26.5	4.6	Bookended by UUT 5 & UUT 6	Interpolated
		IFP-1000VIP				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Emergency Communication System with Fire Alarm Control Panel	Surface / Flush Wall Mount	53	71	20.4	26.5	4.6	Bookended by UUT 5 & UUT 6	Interpolated
		IFP-1000ECS				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Emergency Communication System with Fire Alarm Control Panel	Surface / Flush Wall Mount	53	71	20.4	26.5	4.6	Bookended by UUT 5 & UUT 6	Interpolated
	5820XL-EVS					Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Emergency Communication System with Fire Alarm Control Panel	Surface / Flush Wall Mount	53	71	20.4	27.0	5.0	Bookended by UUT 5 & UUT 6	Interpolated
	6820 EVS					Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Emergency Communication System with Fire Alarm Control Panel	Surface Wall Mount	55	72	22.0	28.0	5.0	Tested	UUT 6
		IFP-2100ECSB				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Scalable Analog/Addressable Fire Alarm Control System	Surface Wall Mount	55	76	21.6	28.1	5.1	Bookended by UUT 6 & UUT 4	Interpolated

**Table 1 - Certified Product Tables (Continued)**

Alternate Branding Model Numbers						Basic Description	Unit Details	Mounting	Weight Without Batteries [ lbs ]	Max Weight [ lbs ]	Max Dimensions [ in ]			Interpolation / Extrapolation Justification	UUT
Honeywell	Silent Knight	Farenhyt	Notifier	Fire-Lite	Gamewell FCI						Width	Height	Depth		
		IFP-2100ECS				Fire Alarm Control Panel with Microphone in Large Metal Cabinet	Scalable Analog/Addressable Fire Alarm Control System	Surface Wall Mount	55	76	22.0	28.0	5.0	Tested	UUT 4





**Table 2 - Certified Subcomponents - Audio Splitters**

Model	Manufacturer	Materials	Description	Max Weight [ lbs. ]	UUT
ECS-CE4	Honeywell	PCB	4 Zone Audio Splitter	<1	Extrapolated
EVS-CE4	Honeywell	PCB	4 Zone Audio Splitter	<1	UUT 9
NFC-CE4	Honeywell	PCB	4 Zone Audio Splitter	<1	Interpolated
ECC-CE4	Honeywell	PCB	4 Zone Audio Splitter	<1	Interpolated
VIP-CE4	Honeywell	PCB	4 Zone Audio Splitter	1.0	Interpolated
SKE-ZN4	Honeywell	PCB	4 Zone Audio Splitter	1.0	Interpolated
SKE-ZN6	Honeywell	PCB	6 Zone Audio Splitter	1.0	UUT 1

**Notes**

1) PCB = Printed Circuit Board

**Table 3 - Certified Subcomponents - Transformers**

Model	Manufacturer	Materials	Description	Max Weight [ lbs. ]	UUT
115031	Basler Electric Inc	Copper Windings, Steel Frame	Transformer	2.6	Extrapolated
115035	Basler Electric Inc	Copper Windings, Steel Frame	Transformer	2.6	UUT 2
115061	Basler Electric Inc	Copper Windings, Steel Frame	Transformer	2.6	UUT 1, 7

**Table 4 - Certified Subcomponents - Control Boards**

Model	Manufacturer	Materials	Description	Max Weight [ lbs. ]	UUT
051282-PCA	Honeywell	PCB	Main Control Board	<1	Extrapolated
077040-PCA	Honeywell	PCB	Main Control Board	<1	Extrapolated
058200-PCA	Honeywell	PCB	Main Control Board	<1	Extrapolated
051050-PCA	Honeywell	PCB	Main Control Board	<1	UUT 2
068200-PCA	Honeywell	PCB	Main Control Board	<1	Interpolated
057000-PCA	Honeywell	PCB	Main Control Board	1.1	Interpolated
077500-PCA	Honeywell	PCB	Main Control Board	1.5	UUT 1
054960-PCA	Honeywell	PCB	Main Control Board	1.8	Interpolated
054950-PCA	Honeywell	PCB	Main Control Board	1.9	Interpolated
078000-PCB	Honeywell	PCB	Main Control Board	2.1	Interpolated
054990-PCA	Honeywell	PCB	Main Control Board	2.2	Interpolated
058080-PCA	Honeywell	PCB	Main Control Board	2.3	Interpolated
P052090GA	Honeywell	PCB	Main Control Board	2.3	Extrapolated
P052080	Honeywell	PCB	Main Control Board	2.3	UUT 3
058950-PCA	Honeywell	PCB	Main Control Board	2.4	Interpolated
078100-PCA	Honeywell	PCB	Main Control Board	3.1	UUT 9
068970-PCA	Honeywell	PCB	Main Control Board	3.2	UUT 4
EVS-VCM	Honeywell	PCB	Voice Control Board	1.4	UUT 6
ECS-VCM	Honeywell	PCB	Voice Control Board	1.4	Same as UUT 6
VIP-VCM	Honeywell	PCB	Voice Control Board	1.4	Same as UUT 6

**Notes**

1) The ECS-VCM &amp; VIP-VCM are identical to the EVS-VCM except for software

2) PCB = Printed Circuit Board

**Table 5 - Certified Subcomponents - Batteries**

Model	Manufacturer	Materials	Rating (Amps)	Max Weight [ lbs. ]	UUT
BAT-1270	Power Sonic	Lead Acid Battery	7	4.8	UUT 2, 7
BAT-12180	Power Sonic	Lead Acid Battery	18	12.6	UUT 1, 3, 4, 5, 6, 9
CP12-33	CooPower	Lead Acid Battery	33	26.0	UUT 8

**Table 6 - Certified Subcomponents - Expanders**

Model	Manufacturer	Materials	Description	Max Weight [ lbs. ]	UUT
VIP-SW24	Honeywell	PCB	24 Switch Expander	1.1	Same as UUT 5
ECS-SW24	Honeywell	PCB	24 Switch Expander	1.1	UUT 5

**Notes**

- 1) The VIP-SW24 is identical to the ECS-SW24 except for software
- 2) PCB = Printed Circuit Board

**Table 7 - Certified Subcomponents - Other**

Model	Manufacturer	Materials	Description	Max Weight [ lbs. ]	UUT
LYRIC-3G	Honeywell	PCB	Radio Module for CELL Series	<1	UUT 10
LYRIC-3GLP	Honeywell	PCB		<1	Same as UUT 10
LYRICLTE-A	Honeywell	PCB	Radio Module for LTE Series	<1	UUT 11
5128	Honeywell	PCB	Communicator for 5129	<1	Extrapolated
5130	Honeywell	PCB	Communicator for 5135	<1	Extrapolated
CCP-LYRIC-PCA	Honeywell	PCB	Circuit Board for MOD & CAB series	<1	UUT 10, 11
Microphone	Shure, Astatic	Plastic	Microphone	<1	UUT 1
SEISKIT-MULTI-1	Honeywell	CRS	Seismic Bracket for EVS-125W	<1	UUT 9
EVS-INT50W	Honeywell	PCB	Internal Amplifier	2.0	UUT 6
SK-NIC	Silent Knight	PCB	Network Card	<1	UUT 5

**Notes**

- 1) The LYRIC-3G & LYRIC-3GLP are identical except for nomenclature
- 2) 5128 and 5130 PCBs are bookended by UUT 10 and UUT 11
- 3) PCB = Printed Circuit Board
- 4) CRS = Cold Rolled Steel
- 5) The EVS-125W must be installed with the SK-SCK-5104 seismic bracket



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-01

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	SKE-450	Honeywell

## Product Construction Summary

Carbon Steel Enclosure

## Options / Subcomponent Summary

Audio Splitter: Honeywell; Transformer: Basler Electric Inc.; Control Board: Honeywell; Batteries Power Sonic; Microphone: Shure, Astatic

## UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
56	4	17	26	N/A	N/A	N/A

## UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

## Test Mounting Details

UUT-01 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) 1/4" diameter, grade 8 bolts. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-02

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	5104	Honeywell

Product Construction Summary
Carbon Steel Enclosure

Options / Subcomponent Summary
Transformer: Basler Electric Inc.; Control Board: Honeywell; Batteries: Power Sonic

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
14	3	12	16	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

Test Mounting Details
UUT-02 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) #10-24, grade 8 machine screws. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-03

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	5208	Honeywell

Product Construction Summary
Carbon Steel Enclosure

Options / Subcomponent Summary
Control Board: Honeywell; Batteries: Power Sonic

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
48	4	17	26	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

Test Mounting Details
UUT-03 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) 1/4" diameter, grade 8 bolts. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

UUT-04

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	IFP-2100 ECS	Honeywell

## Product Construction Summary

Carbon Steel Enclosure

## Options / Subcomponent Summary

Control Board: Honeywell; Batteries: Power Sonic

## UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
76	5	22	28	N/A	N/A	N/A

## UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

## Test Mounting Details

UUT-04 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) 1/4" diameter, grade 8 bolts. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

UUT-05

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	IFP-300 ECS	Honeywell

Product Construction Summary
Carbon Steel Enclosure

Options / Subcomponent Summary
Batteries: Power Sonic; Expander: Honeywell

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
70	5	22	28	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

Test Mounting Details
UUT-05 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) 1/4" diameter, grade 8 bolts. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-06

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	6820 EVS	Honeywell

## Product Construction Summary

Carbon Steel Enclosure

## Options / Subcomponent Summary

Control Board: Honeywell; Batteries: Power Sonic; Internal Amplifier: Honeywell

## UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
72	5	22	28	N/A	N/A	N/A

## UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

## Test Mounting Details

UUT-06 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) 1/4" diameter, grade 8 bolts. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-07

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	6700	Honeywell

Product Construction Summary
Carbon Steel Enclosure

Options / Subcomponent Summary
Transformer: Basler Electric Inc.; Batteries: Power Sonic

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
23	3	13	15	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

Test Mounting Details
UUT-07 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) #10-24, grade 8 machine screws. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-08

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	RBB	Honeywell

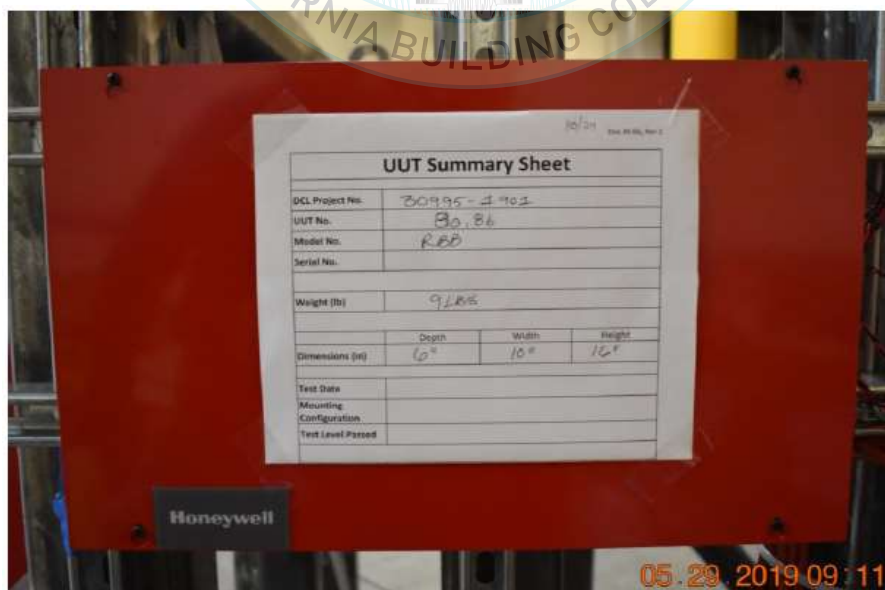
Product Construction Summary
Carbon Steel Enclosure

Options / Subcomponent Summary
Batteries: CooPower

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
55	6	16	10	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

Test Mounting Details
UUT-08 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) #10-24, grade 8 machine screws. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-09

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	EVS-125W	Honeywell

## Product Construction Summary

Carbon Steel Enclosure

## Options / Subcomponent Summary

Audio Splitter: Honeywell; Control Board: Honeywell; Batteries: Power Sonic; Seismic Bracket: Honeywell

## UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
49	4	16	26	N/A	N/A	N/A

## UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

## Test Mounting Details

UUT-09 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) 1/4" diameter, grade 8 bolts. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

UUT-10

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	CELL MOD with CELL ANTENNA	Honeywell

## Product Construction Summary

Plastic Enclosure & Plastic Antenna

## Options / Subcomponent Summary

Radio Module for CELL Series: Honeywell; Circuit Board: Honeywell

## UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
1	2	6	7	N/A	N/A	N/A

## UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

## Test Mounting Details

UUT-10 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) 1/4" diameter, grade 8 bolts. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

UUT-11

30995-1901

Model Line	Model Number	Manufacturer
Silent Knight	LTE-CAB-SK with ANTENNA	Honeywell

## Product Construction Summary

Cold Rolled Steel Enclosure & Plastic Antenna

## Options / Subcomponent Summary

Radio Module for LTE Series: Honeywell; Circuit Board: Honeywell

## UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
5	3	10	10	N/A	N/A	N/A

## UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	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 2016	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

## Test Mounting Details

UUT-11 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) #10-24, grade 8 machine screws. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.