

OFFICE USE ONLY APPLICATION FOR OSHPD SPECIAL SEISMIC **CERTIFICATION PREAPPROVAL (OSP) APPLICATION #:** OSP - 0252 - 10 **OSHPD Special Seismic Certification Preapproval (OSP) Manufacturer Information** Manufacturer: Climatec Manufacturer's Technical Representative: Clark Freeman, PE Mailing Address: 18002 Cowan, Irvine, CA 92614 Telephone: 949.214.8652 Email: clarkf@climatec.com **Product Information** Product Name: Honeywell Custom Control panels Product Type: Control Panel Product Model Number: See Attachments (List all unique product identification numbers and/or part numbers) General Description: Configurable control panels for HVAC applications. Mounting Description: Wall mounted with wall base both rigid & isolated. Units may be Surface Mounted on a Wall or Equipment. **Applicant Information** Applicant Company Name: TRU Compliance, LLC Contact Person: Matthew Tobolski, PhD, SE Mailing Address: 960 SW Disk Dr., Suite 104, Bend, OR 97702 Telephone: 844.878.0200 Email: mtobolski@trucompliance.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: 12/05/2016 Title: President and CEO Company Name: TRU Compliance, LLC

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





Page 1 of 3



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

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

Page 2 of 3



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Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: ⊠ Yes □ No
Design Basis of Equipment or Components (F _p /W _p) = 1.45 (rigid); 4.35 (isolated)
S _{DS} (Design spectral response acceleration at short period, g) = 1.93
a _p (In-structure equipment or component amplification factor) = 2.5
R _p (Equipment or component response modification factor) = 6.0 (rigid); 2.5 (isolated)
Ω_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 attached
Overall dimensions and weight (or range thereof) = See attached
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) =
Ω_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): Attachment
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022
Signature: Date: 2/2/17
Print Name: M. R. Karim Title: SHFR
Special Seismic Certification Valid Up to : $S_{DS}(g) = 1.93$ $z/h = 1.0$
Condition of Approval (if applicable):

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



OSHPD

Page 3 of 3

TRU PROJECT NO. 16027



Manufacturer:	Climatec	TABLE 1
Model Line:	Honeywell Custom Control Panels	IADLE I

Certified Product Construction Summary:

Carbon steel enclosure.

Certified Options Summary:

NEMA 1 or NEMA 4/12 rating. See Tables 3 - 7 for certified subcomponents.

Mounting Configuration:

Wall mounted - rigid or isolated

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2016	Seismic Certification Limits:	S _{DS} =	1.93 g	z/h=1.0	$I_{P} = 1.5$
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Model Line	Model	Dir	nensions	(in)	Weight	Notes	UUT
(Manufacturer)	Model	Depth	Width	Height	(lb)	Notes	001
		6.0	12.0	16.0	20		extrap.
							extrap.
Harris all Carters		6.6	16.0	20.0	37	UUT: A20N16ALP - NEMA 1	1
Honeywell Custom Control Panels	Custom Control Panel		•				interp.
(Climatec)	Custom Control Panel	6.0	20.0	24.0	51	UUT: A24H20ALP - NEMA 4/12	3
(Cilillatee)			•				interp.
		8.0	36.0	48.0	180	UUT: 48H36BLP - NEMA 4/12	4
		9.3	36.0	48.0	180	UUT: A48N36O9 - NEMA 1	2
					TDUC		

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Enclosures

Model Line: Honeywell Custom Control Panels

TABLE 2

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \, \text{g}$ z/h = 1.0 $I_P = 1.5$

Model Line	Madal	Di	mension (in)	Weight	Madavial	Notes	
(Manufacturer)	Model	Depth	Width	Height	(lb)	Material	Notes	UUT
	A16N12ALP	6.6	12	16		Carbon steel, NEMA 1		extrap.
	A16N16ALP	6.6	16	16		Carbon steel, NEMA 1		extrap.
	A16N20ALP	6.6	20	16		Carbon steel, NEMA 1		extrap.
	A20N16ALP	6.6	16	20		Carbon steel, NEMA 1		1
	A20N20ALP	6.6	20	20		Carbon steel, NEMA 1		interp.
	A24N16ALP	6.6	16	24		Carbon steel, NEMA 1		interp.
	A24N20ALP	6.6	20	24		Carbon steel, NEMA 1		interp.
	A24N24ALP	6.6	24	24		Carbon steel, NEMA 1		interp.
	A30N24ALP	6.6	24	30		Carbon steel, NEMA 1		interp.
	A36N24ALP	6.6	24	36		Carbon steel, NEMA 1		interp.
Turno 1 Francisco	A36N30ALP	6.6	30	36		Carbon steel, NEMA 1		interp.
Type 1 Enclosures (Hoffman)	A16N12BLP	8.6	12	16		Carbon steel, NEMA 1		interp.
(Homman)	A20N12BLP	8.6	12	20		Carbon steel, NEMA 1		interp.
	A20N16BLP	8.6	16	20		Carbon steel, NEMA 1		interp.
	A20N20BLP	8.6	20	20		Carbon steel, NEMA 1		interp.
	A24N20BLP	8.6	20	24		Carbon steel, NEMA 1		interp.
	A24N24BLP	8.6	24	24		Carbon steel, NEMA 1		interp.
	A30N20BLP	8.6	20	30		Carbon steel, NEMA 1		interp.
	A30N24BLP	8.6	24	30		Carbon steel, NEMA 1		interp.
	A30N30BLP	8.6	30	30		Carbon steel, NEMA 1		interp.
	A36N24BLP	8.6	24	36		Carbon steel, NEMA 1		interp.
	A36N30BLP	8.6	30	36		Carbon steel, NEMA 1		interp.
	A42N3009	9.3	30	42		Carbon steel, NEMA 1		interp.

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Enclosures

Model Line: Honeywell Custom Control Panels

TABLE 2

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \, \text{g}$ z/h = 1.0 $I_P = 1.5$

Model Line	Madal	Di	mension (in)	Weight	Material	Notes	
(Manufacturer)	Model	Depth	Width	Height	(lb)	Material	Notes	UUT
Type 1 Enclosures	A42N3609	9.3	36	42		Carbon steel, NEMA 1		interp.
(Hoffman)	A48N3609	9.3	36	48		Carbon steel, NEMA 1		2
	A16H12ALP	6	12	16		Carbon steel, NEMA 4/12		extrap.
	A16H16ALP	6	16	16		Carbon steel, NEMA 4/12		extrap.
	A16H20ALP	6	20	16		Carbon steel, NEMA 4/12		extrap.
	A20H16ALP	6	16	20		Carbon steel, NEMA 4/12		extrap.
	A20H20ALP	6	20	20		Carbon steel, NEMA 4/12		extrap.
	A24H12ALP	6	12	24		Carbon steel, NEMA 4/12		extrap.
	A24H16ALP	6	16	24		Carbon steel, NEMA 4/12		extrap.
	A24H20ALP	6	20	24		Carbon steel, NEMA 4/12		3
	A24H24ALP	6	24	24		Carbon steel, NEMA 4/12		interp.
Turne 4 Finalescones	A30H20ALP	6	20	30		Carbon steel, NEMA 4/12		interp.
Type 4 Enclosures (Hoffman)	A30H24ALP	6	24	30		Carbon steel, NEMA 4/12		interp.
(Hollinali)	A36H24ALP	6	24	36		Carbon steel, NEMA 4/12		interp.
	A16H12BLP	8	12	16		Carbon steel, NEMA 4/12		interp.
	A20H16BLP	8	16	20		Carbon steel, NEMA 4/12		interp.
	A20H20BLP	8	20	20		Carbon steel, NEMA 4/12		interp.
	A20H24BLP	8	24	20		Carbon steel, NEMA 4/12		interp.
	A24H20BLP	8	20	24		Carbon steel, NEMA 4/12		interp.
	A24H24BLP	8	24	24		Carbon steel, NEMA 4/12		interp.
	A24H30BLP	8	30	24		Carbon steel, NEMA 4/12		interp.
	A30H20BLP	8	20	30		Carbon steel, NEMA 4/12		interp.
	A30H24BLP	8	24	30		Carbon steel, NEMA 4/12		interp.

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Enclosures

Model Line: Honeywell Custom Control Panels

TABLE 2

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \, \text{g}$ z/h = 1.0 $I_P = 1.5$

Model Line	M - J - I	Dimension (ı (in) Weight		Na a suita l	Nakaa	
(Manufacturer)	Model	Depth	Width	Height	(lb)	Material	Notes	UUT
	A30H30BLP	8	30	30		Carbon steel, NEMA 4/12		interp
	A36H24BLP	8	24	36		Carbon steel, NEMA 4/12		interp
Type 4 Enclosures	A36H30BLP	8	30	36		Carbon steel, NEMA 4/12		interp
(Hoffman)	A42H30BLP	8	30	42		Carbon steel, NEMA 4/12		interp
	A42H36BLP	8	36	42		Carbon steel, NEMA 4/12		interp
	A48H36BLP	8	36	48		Carbon steel, NEMA 4/12		4

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Transformers and Power Supplies
Model Line: Honeywell Custom Control Panels

TABLE 3

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \, \text{g}$ z/h = 1.0 $I_P = 1.5$

Component Type	Manufacturer	Model	Description	Notes	UUT
		PSH75AB10	75 VA		Extrap
	Functional Devices	PSH75A75AB10	DUAL 75 VA		Extrap
	Functional Devices	PSH100AB10	100 VA		3
		PSH100A100AB10	DUAL 100 VA		4
Dawar Cumply	Kele	DCP-1.5W	24VAC/24VDC		4
Power Supply		PS247.5	120VAC/24VDC		4
		PS2415	120VAC/24VDC		Interp
	Veris	PS2430	120VAC/24VDC		Interp
		PS2450	120VAC/24VDC		Interp
		PS24100	120VAC/24VDC		2
LIDC	Cala UD	SDU 500	UPS		1
UPS	Sola-HD —	SDU-PMBRK	MOUNTING BRACKET		1
Transformer	Vorio	X100CBB	100VA		2
Transformer	Veris	X050CBB	50VA		2

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Relays

Model Line: Honeywell Custom Control Panels

TABLE 4

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \text{ g}$ z/h = 1.0 $I_P = 1.5$

Component Type	Manufacturer	Model	Description	Notes	UUT
		781XAXM4L-24A	1PDT 24VAC		3
		781XAXM4L-12A	1PDT 12VAC	Similar to 781XAXM4L-24A	Interp
		781XAXM4L-120A	1PDT 120VAC	Similar to 781XAXM4L-24A	Interp
		781XAXM4L-220/230A	1PDT 220/230VAC	Similar to 781XAXM4L-24A	Interp
		781XAXM4L-240A	1PDT 240VAC	Similar to 781XAXM4L-24A	Interp
		781XAXM4L-12D	Full featured 11	Similar to 781XAXM4L-24A	Interp
		781XAXM4L-24D	1PDT 24VDC	Similar to 781XAXM4L-24A	Interp
		782XBXM4L-24A	2PDT 24VAC		2
		782XBXM4L-12A	2PDT 12VAC	Similar to 782XBXM4L-24A	Interp
		782XBXM4L-120A	2PDT 120VAC	Similar to 782XBXM4L-24A	Interp
		782XBXM4L-220/230A	2PDT 220/230VAC	Similar to 782XBXM4L-24A	Interp
Relay	Magnacraft	782XBXM4L-240A	2PDT 240VAC	Similar to 782XBXM4L-24A	Interp
		782XBXM4L-12D	2PDT 12VDC	Similar to 782XBXM4L-24A	Interp
		782XBXM4L-24D	2PDT 24VDC	Similar to 782XBXM4L-24A	Interp
		783XCXM4L-24A	3PDT 24VAC		4
		783XCXM4L-12A	3PDT 12VAC	Similar to 783XCXM4L-24A	Interp
		783XCXM4L-120A	3PDT 120VAC	Similar to 783XCXM4L-24A	Interp
		783XCXM4L-220/230A	3PDT 220/230VAC	Similar to 783XCXM4L-24A	Interp
		783XCXM4L-240A	3PDT 240VAC	Similar to 783XCXM4L-24A	Interp
		783XCXM4L-12D	3PDT 12VDC	Similar to 783XCXM4L-24A	Interp
		783XCXM4L-24D	3PDT 24VDC	Similar to 783XCXM4L-24A	Interp
		784XDXM4L-24A	4PDT 24VAC		4
		784XDXM4L-12A	4PDT 12VAC	Similar to 784XDXM4L-24A	Interp

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Relays

Model Line: Honeywell Custom Control Panels

TABLE 4

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \, \text{g}$ z/h = 1.0 $I_P = 1.5$

Component Type	Manufacturer	Model	Description	Notes	UUT
		784XDXM4L-120A	4PDT 120VAC	Similar to 784XDXM4L-24A	Interp
		784XDXM4L-220/230A	4PDT 220/230VAC	Similar to 784XDXM4L-24A	Interp
Relay	Magnacraft	784XDXM4L-240A	4PDT 240VAC	Similar to 784XDXM4L-24A	Inter
		784XDXM4L-12D	4PDT 12VDC	Similar to 784XDXM4L-24A	Inter
		784XDXM4L-24D	4PDT 24VDC	Similar to 784XDXM4L-24A	Inter

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Switches and Lights

Model Line: Honeywell Custom Control Panels

TABLE 5

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \, \text{g}$ z/h = 1.0 $I_P = 1.5$

Component Type	Manufacturer	Model	Description	Notes	UUT
		APW299D-R-24	Red		2
		APW299D-G-24	Green		3,4
		APW299D-A-24	Amber	Similar to APW299D-R-24	Interp.
		APW299D-R-120	Red	Similar to APW299D-R-24	Interp.
Panel Light	IDEC	APW299D-G-120	Green	Similar to APW299D-R-24	Interp.
		APW299D-A-120	Amber	Similar to APW299D-R-24	Interp.
		APW299-R-24	Red	Similar to APW299D-R-24	Interp.
		APW299-G-24	Green	Similar to APW299D-R-24	Interp.
		APW299-A-24	Amber	Similar to APW299D-R-24	Interp.
		ASW2K10	2 Position switch w/ key		4
Constants	IDEC	ASW210	2 Position switch		Interp.
Switch	IDEC	ASW3K20	3 Position switch w/ key		2
		ASW320	3 Position switch		Interp.
LCD	Kele	LPI-1C	Panel mount LCD		2
		EIR102-MC	2 Port		Extrap.
		EIR208	8 Port		4
		EIR208-MT	8 Port		Interp.
		EIR208-MC	8 Port		Interp.
Ethernet Switch	B&B Electronics	EIR208-SC	8 Port		Interp.
		EIR208-ST	8 Port		Interp.
		EIR208-2MT	8 Port		Interp.
		EIR208-2MC	8 Port		Interp.
		EIR208-2SC	8 Port		Interp.

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Switches and Lights

Model Line: Honeywell Custom Control Panels

TABLE 5

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \text{ g} \text{ z/h} = 1.0 \text{ } I_P = 1.5$

Component Type	Manufacturer	Model	Description	Notes	UUT
		EIR208-2ST	8 Port		Interp.
Ethernet Switch	B&B Electronics	EIR418-2SFP-T	18 Port		2
		SFP-100FX-M-2KM-T	SFP module - multi-mode/LC		2
					

TRU PROJECT NO. 16027



Manufacturer: **Table Description:** Controllers and components Climatec **TABLE 6**

Model Line: Honeywell Custom Control Panels

Building Code: CBC 2016	Seismic Certification Limits:	S _{DS} =	1.93 g	z/h = 1.0	$I_P = 1.5$
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Component Type	Manufacturer	Model	Description	Notes	UUT
		NPB-2X-RS485	DUAL RS-485 COMM PORT		4
		NPB-232	RS-232 Comm Card	Same as NPB-2X-RS485, diff. cable	Interp
		XF821A	Panel Bus Analog Input Module		2
		XF823A	Panel Bus Binary Input Module		2
		XFL821A	LON Bus Analog Input Module		2
		XFL823A	LON Bus Binary Input Module		2
		IO-16-H/U	Optional I/O module		Interp
		IO-34-H/U	Optional I/O module		Interp
		IO-16-REM-H/U	Remote IO-16 Module		Interp
		SIO6042	Optional I/O module		Interp
		SIO4022	Optional I/O module		Interp
Controller	Honeywell	SIO12000	Optional I/O module		Interp
		W7750A2005/U	Remote I/O Constant Volume AHU		Interp
		W7750B2011/U	Remote I/O Constant Volume AHU		Interp
		W7750C2001/U	Remote I/O Constant Volume AHU		Interp
		W7753A2002/U	Remote I/O Unit Ventilator Controller		Interp
		W7761A2010/U	Excel 10 Remote I/O		2
		XFR822A	Panel Bus Analog Output Module W/ OR		2
		XFLR822A	LON Bus Analog Output Module W/ OR		2
		XFR824A	Panel Bus Relay Module W/ OR		2
		XFLR824A	LON Bus Relay Module W/ OR		2
		WEB-600	WEB 600	Same as WEB-700, program, connect	Interp
		WEB-700	WEB 700		4

TRU PROJECT NO. 16027

Building Code: CBC 2016



Manufacturer: **Table Description:** Controllers and components Climatec **TABLE 6**

Model Line: Honeywell Custom Control Panels

> Seismic Certification Limits: $S_{DS} = 1.93 g$ z/h = 1.0 $I_{P} = 1.5$

Component Type	Manufacturer	Model	Description	Notes	UUT
		XCL8010A	EXCEL 800		2
		NPB-LON	LON Adapter		4
		PUL1012S	Spyder Lon Unitary		Extrap
		PUL1012S-ILC-US	Spyder Lon Unitary		Extrap
		PUL4024S	Spyder Lon Unitary		4
		PUL4024S-ILC-US	Spyder Lon Unitary		Interp.
		PUL6438S-ILC	Spyder Lon Unitary		Interp
		PUL6438S-ILC-US	Spyder Lon Unitary		Interp.
		PUL6438S	Spyder Lon Unitary		4
		PUB6438SR	Spyder BACnet Unitary	Same as PUL6438S, programming	Interp
Canaturallan	I I a sa au su sa II	PUB6438SR-ILC	Spyder BACnet Unitary	Same as PUL6438S-ILC, programming	Interp.
Controller	Honeywell	PUB6438SR-ILC-US	Spyder BACnet Unitary	Same as PUL6438S-ILC-US, program	Interp.
		PUB6438S-ILC	Spyder BACnet Unitary	Same as PUL6438S-ILC, programming	Interp.
		PUB6438S-ILC-US	Spyder BACnet Unitary	Same as PUL6438S-ILC-US, program	Interp
		NPM-256	WEB 600 memory expansion	Software for WEB 600	Interp.
		XS821-22	Terminal Socket For AI/AO Modules		2
		XS823	Terminal Socket For BI Module		2
		X\$824-25	Terminal Socket For Relay Modules		2
		XS814	Auxilary Terminal Blocks		2
		XS817	3-Relay Cross Connector		2
		NPB-PWR-H	24V power module	Same as NPB-PWR-UN-H, connection	Interp
		NPB-PWR-UN-H	Universal power module		4

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Controllers and components

Model Line: Honeywell Custom Control Panels

TABLE 6

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \, \text{g}$ z/h = 1.0 $I_P = 1.5$

Component Type	Manufacturer	Model	Description	Notes	UUT
		NPB-RS232	RS-232 Comm Card	1	2
		NPB-8000-232	RS-232 Comm Card	Same as NPB-RS232, connections	Interp
		NPB-2X-485	DUAL RS-485 COMM PORT	Same as NPB-RS232, connections	Interp
		NPB-8000-2X-485	RS-485 Comm Card	Same as NPB-RS232, connections	Interp
		NPB-LON	LON Adapter		2
		NPB-8000-LON	LON Adapter	Same as NPB-LON, connections	Interp
		NPB-256	JACE 600 memory expansion		2
Controller	Tridium	NPB-PWR-UN	Universal power module	Same as NPB-PWR, connection	Interp
		NPB-PWR	24V power module		2
		J-600	JACE-600		2
		J-700	JACE-700	Same as J-600, program, connections	Interp
		J-8000	JACE-8000	Same as J-600, program, connections	Interp
		IO-16	Optional I/O module		2
		10-34	Optional I/O module		2
		T-IO-16-485	Remote IO-16 Module		2

TRU PROJECT NO. 16027



Manufacturer: Climatec Table Description: Routers, Repeaters, Terminators

Model Line: Honeywell Custom Control Panels

TABLE 7

Building Code: CBC 2016 Seismic Certification Limits: $S_{DS} = 1.93 \, \text{g}$ z/h = 1.0 $I_P = 1.5$

Component Type	Manufacturer	Model	Description	Notes	UUT
		42100R	LPR Router Module		2
		42101R	LPR Router Module	Same as 42100R, programming	Interp
Douter	Cab alon	42102R	LPR Router Module	Same as 42100R, programming	Interp
Router	Echelon	42103R	LPR Router Module	Same as 42100R, programming	Interp
		42104R	LPR Router Module	Same as 42100R, programming	Interp
		42105R	LPR Router Module	Same as 42100R, programming	Interp

TRU PROJECT NO. 16027



UUT 1

Manufacturer: Climatec

Model Line: Honeywell Custom Control Panels

Model Number: Custom Control Panel Serial Number: N/A

Product Construction Summary:

NEMA 1, carbon steel enclosure.

Options/Subcomponent Summary:

120V power, uninterruptible power supply. See Tables 3 - 8 for a specific listing of subcomponents installed in the panel.

			UUT Pro	perties						
Weight Dimension (in)						Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	Hei	ight	t Front-Back		Side	-Side	Side Vert	
37	7	16	2	20		/A	N	/A	N	/A
		UUT Highest I	Passed Se	eismic Rui	n Informa	ation	,			
Build	ling Code	Test Criter	ia	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016 ICC-ES AC156		56	1.93 g	1.0	1.5	3.09	2.32	1.29	0.51	

Test Mounting Details:



Wall mounted - rigid



Wall mounted - isolated

TRU PROJECT NO. 16027



UUT 2

Manufacturer: Climatec

Model Line: Honeywell Custom Control Panels

Model Number: Custom Control Panel Serial Number: N/A

Product Construction Summary:

NEMA 1, carbon steel enclosure.

Options/Subcomponent Summary:

120V power, power supply, control transformer, relays, switches, lights, Tridium JACE-600 controller, Honeywell Excel 800 controller, remote IO-16 module, LPR router module and terminators. See Tables 3 - 8 for a specific listing of subcomponents installed in the panel.

			UUT Pro	operties						
Weight Dimension (in)						Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	He	ight	Front-Back		ront-Back Side-Side Vertic		tical	
180	9	36	4	48		/A	N	/A	N	/A
		UUT Highest I	Passed Se	eismic Rui	n Informa	ation				
Build	ing Code	Test Criter	ia	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
		ICC-ES AC1	56	1.93 g	1.0	1.5	3.09	2.32	1.29	0.51

Test Mounting Details:



Wall mounted - rigid



Wall mounted - isolated

TRU PROJECT NO. 16027



UUT 3

Manufacturer: Climatec

Model Line: Honeywell Custom Control Panels

Model Number: Custom Control Panel Serial Number: N/A

Product Construction Summary:

NEMA 4/12, carbon steel enclosure.

Options/Subcomponent Summary:

120V power, power supply, relays, lights, Honeywell Spyder BACnet unitary controller. See Tables 3 - 8 for a specific listing of subcomponents installed in the panel.

			UUT Pro	operties						
Weight Dimension (in)					Lowest Natural Frequer				ıcy (Hz)	
(lb)	Depth	Width	He	Height Fr		-Back	Side	-Side	Ver	tical
51	6	20	2	24		/A	N	/A	N/A	
		UUT Highest I	Passed Se	eismic Rui	n Informa	ation				
Build	ling Code	Test Criter	ia	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
СВ	CBC 2016 ICC-ES AC		56	1.93 g	1.0	1.5	3.09	2.32	1.29	0.51

Test Mounting Details:



Wall mounted - rigid



Wall mounted - isolated

TRU PROJECT NO. 16027



UUT 4

Manufacturer: Climatec

Model Line: Honeywell Custom Control Panels

Model Number: Custom Control Panel Serial Number: N/A

Product Construction Summary:

NEMA 4/12, carbon steel enclosure.

Options/Subcomponent Summary:

120V power, power supply, relays, switches, lights, Honeywell Spyder Lon Unitary Controller, Lon adapter, Web 700 controller. See Tables 3 - 8 for a specific listing of subcomponents installed in the panel.

			UUT Pro	operties						
Weight Dimension (in)						Lowes	t Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	He	ight	Front-Back		Side	-Side	Ver	tical
180	8	36	4	48 N/A		/A	N	/A	N/A	
		UUT Highest I	Passed Se	eismic Rui	n Informa	ation				
Build	ling Code	Test Criter	ia	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016 ICC-ES AC156		56	1.93 g	1.0	1.5	3.09	2.32	1.29	0.51	

Test Mounting Details:



Wall mounted - rigid



Wall mounted - isolated