



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY
APPLICATION #: OSP - 0306

OSHPD Special Seismic Certification Preapproval (OSP)

Type: [] New [X] Renewal

Manufacturer Information

Manufacturer: Hill-Rom Inc.

Manufacturer's Technical Representative: Phillip Maloney

Mailing Address: 1225 Crescent Green, Suite 300, Cary NC 27518

Telephone: (919) 854-3319 Email: Phillip.maloney1@hill-rom.com

Product Information

Product Name: Nurse Call Wall Mount Cabinet

Product Type: Nurse Call

Product Model Number: See Certified Product Listing Tables
(List all unique product identification numbers and/or part numbers)

General Description: Nurse call components in wall mounted cabinet.

Mounting Description: Wall Mounted Rigid

Applicant Information

Applicant Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

Contact Person: Galen Reid

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

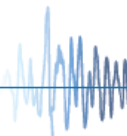
Telephone: (844) 878-0200 Email: greid@structint.com

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: [Handwritten Signature] Date: 10/22/2018

Title: Program Manager Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

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





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FACILITIES DEVELOPMENT DIVISION**

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

Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

Name: Andrew M. Coughlin SE California License Number: S6082

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

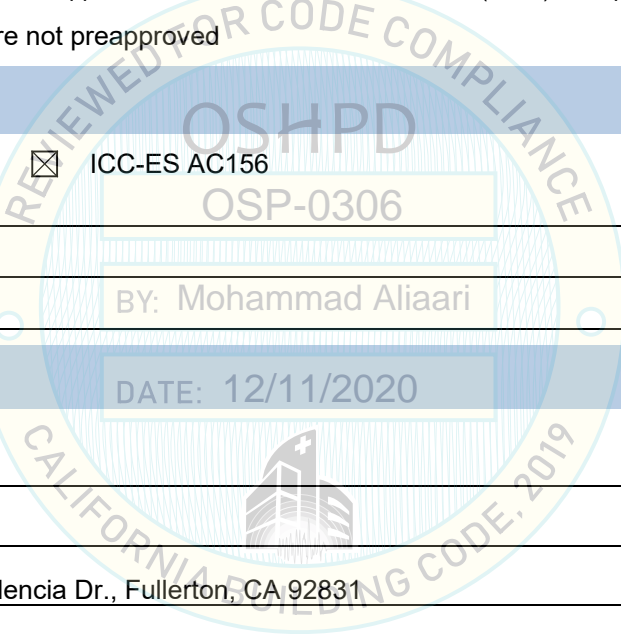
Telephone: (844) 878-0200 Email: acoughlin@structint.com

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): _____



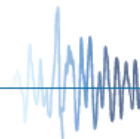
Testing Laboratory

Company Name: NTS Fullerton

Contact Name: Ratish Rao

Mailing Address: 1536 East Valencia Dr., Fullerton, CA 92831

Telephone: (714) 879-6110 Email: Ratish.rao@nts.com





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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) = 1.90

S_{DS} (Design spectral response acceleration at short period, g) = 2.50

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

R_p (Equipment or component response modification factor) = 6.0

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 Attachment

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

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) = by: Mohammad Aliaari

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

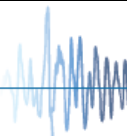
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025

Signature: M. Aliaari Date: December 11, 2020

Print Name: Mohammad Aliaari Title: Senior Structural Engineer

Special Seismic Certification Valid Up to : S_{DS} (g) = 2.50 z/h = 1

Condition of Approval (if applicable): _____

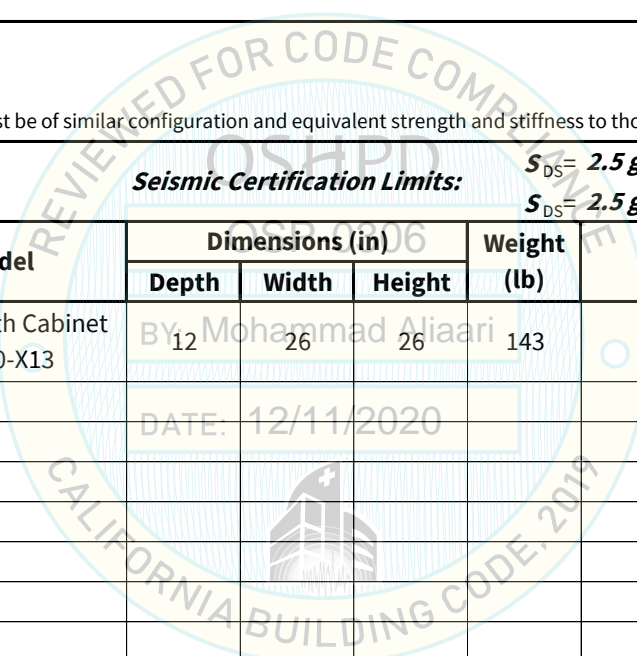


SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

1900528-CR-001 R0



Manufacturer: Hill-Rom Inc. Model Line: Nurse Call Cabinet						TABLE 1	
Certified Product Construction Summary: 16 gauge carbon steel cabinet with hinged door and keyed lock.							
Certified Options Summary: See table 2 for a complete listing of certified subcomponents.							
Mounting Configuration: Wall mounted - rigid Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2019		Seismic Certification Limits:				$S_{DS} = 2.5 g$ $z/h = 1.0$	$I_P = 1.5$
		$S_{DS} = 2.5 g$ $z/h = 0.0$					
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
Nurse Call Cabinet	Chatsworth Cabinet 13050-X13	12	26	26	143		1,2



SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

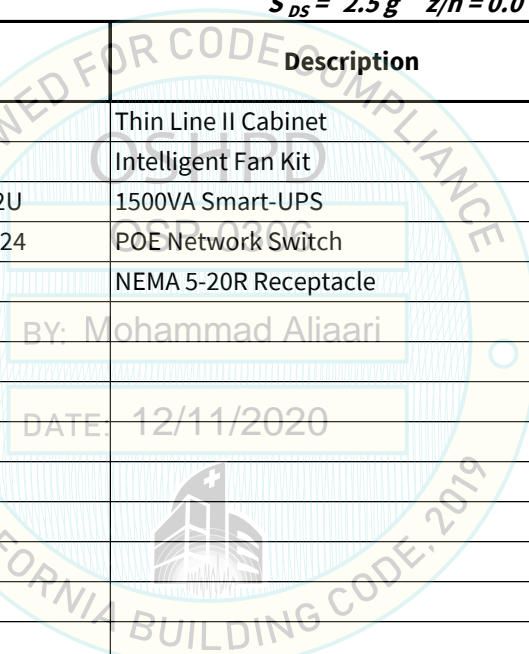
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Manufacturer: Hill-Rom Inc.	Table Description: Subcomponents	TABLE 2
Model Line: Nurse Call Cabinet		

Building Code: CBC 2019	Seismic Certification Limits: $S_{DS} = 2.5 g \quad z/h = 1.0$ $S_{DS} = 2.5 g \quad z/h = 0.0$	$I_P = 1.5$
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Component Type	Manufacturer	Model	Description	Notes	UUT
Cabinet	Chatsworth	13050-X13	Thin Line II Cabinet		1,2
Fan	Chatsworth	13051-001	Intelligent Fan Kit		1,2
UPS	APC-Schneider	SMT1500RM2U	1500VA Smart-UPS		1,2
Switch	Hill-Rom Inc.	P2519NNC1A24	POE Network Switch		1,2
Receptacle	Leviton	5362-SW	NEMA 5-20R Receptacle		1,2



UNIT UNDER TEST (UUT) SUMMARY SHEET

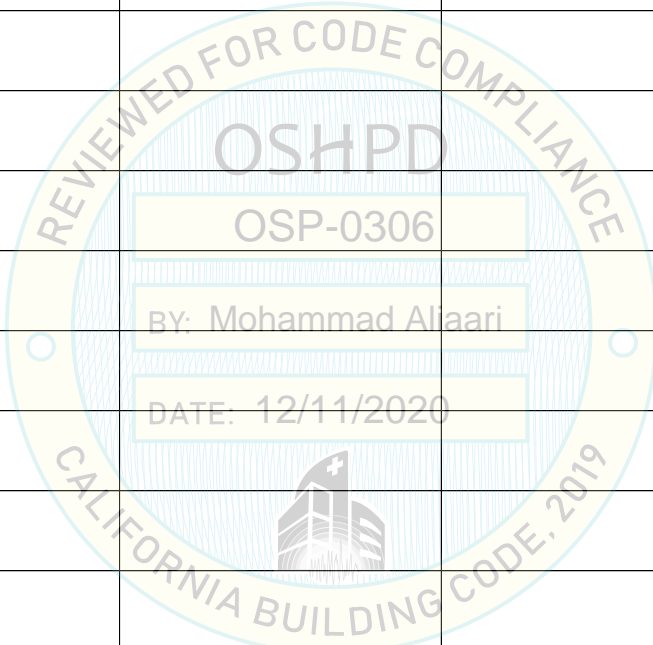
1900528-CR-001 R0



Manufacturer: Hill-Rom Inc.

Model Line: Nurse Call Cabinet

UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _p
1	Thin Line II Nurse Call Wall Mount Cabinet	PR018539	NTS Fullerton	2.5	1	1.5
2	Thin Line II Nurse Call Wall Mount Cabinet	PR018539	NTS Fullerton	2.5	1	1.5



Notes:

UNIT UNDER TEST (UUT) SUMMARY SHEET

1900528-CR-001 R0



Manufacturer: Hill-Rom Inc.	UUT 1
Model Line: Nurse Call Cabinet	
Model Number: Chatsworth Cabinet 13050-X13 Serial Number: N/A	

Product Construction Summary:
16 gauge carbon steel cabinet with hinged door and keyed lock.

Options/Subcomponent Summary:
Thinline II Wall-Mount Cabinet, Intelligent Fan Kit, 1500VA Smart-UPS, POE Network Switch, 20A Receptacle

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
143	12	26	26	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC156	2.5	1.0	1.5	4	3	1.67	0.67
		2.5	0.0					

Test Mounting Details:



Wall mounted rigid using (8) #12 - 2 1/2" HEX-TEK Screws
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

1900528-CR-001 R0



Manufacturer: Hill-Rom Inc.	UUT 2
Model Line: Nurse Call Cabinet	
Model Number: Chatsworth Cabinet 13050-X13 Serial Number: N/A	

Product Construction Summary:
16 gauge carbon steel cabinet with hinged door and keyed lock.

Options/Subcomponent Summary:
Thinline II Wall-Mount Cabinet, Intelligent Fan Kit, 1500VA Smart-UPS, POE Network Switch, 20A Receptacle

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
143	12	26	26	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019	ICC-ES AC156	2.5 2.5	1.0 0.0	1.5	4	3	1.67	0.67

Test Mounting Details:



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