

APPLICATION FOR OSHPD SPECIAL SEISMIC	01	FFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP – 0615
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🛛 New 🗌 Renewal		
Manufacturer Information		
Manufacturer: Best Healthcare		
Manufacturer's Technical Representative: Cameron Memmott		
Mailing Address:302 East Street		
Telephone: (844) 465-8260	on.Memmott@bestg	group.com
Product Information	MD	
Product Name: BestlQ 9800	E.	
Product Type: Nurse Call OSP-0615	- Cr	
Product Model Number: <u>See Attachment</u> (List all unique product identification numbers and/or part numbers) othy J Pila General Description:	nd	
Mounting Description: <u>Rack mounted units within rigid base mounted</u> be used for all installations. B-line Eaton Rack Model SB85219084	rack. See last page	e of OSP for certified rack to
Applicant Information	ODE	
Applicant Company Name: TRU Compliance, by Structural Integrity A	ssociates, Inc.	
Contact Person: Galen Reid		
Mailing Address: _5215 Hellyer Ave., Suite 210, San Jose, CA 95138		
Telephone: 844-878-0200 Email: greid@	<u>)structint.com</u>	
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2016. Signature of Applicant:	-	velopment review fees in Date: 7/3/2019
Title: Program Manager Company Name: TRU C	ompliance, by Struc	tural Integrity Associates, Inc.
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)	MMM	OSHPD Page 1 of 3



California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name:
Name: Andy Coughlin 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: ☑ Other (Please Specify): ☑ OSP-0615
BY:Timothy J Piland
Testing Laboratory DATE: 10/12/2020
Company Name: National Technical Systems – Silicon Valley
Contact Name: Ray Chavez
Mailing Address: 38995 Cherry Street, Newark, CA 94560
Telephone: (877)245-7800 Email: Ray.Chavez@nts.com

"Access to Safe, Quality Health	ncare Environments that Meet	California's Diverse and Dynamic Nee	eds
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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters	Sei	smic	: Para	amete	ers
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Design in accordance with ASCE 7-10 Chapter 13: 🛛 Yes 🗌 No
Design Basis of Equipment or Components (F_p/W_p) = <u>1.50</u> (S_{DS} = 2.00); 1.13 (S_{DS} = 2.50)
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) = <u>2.5</u>
R _p (Equipment or component response modification factor) = <u>6.0</u>
Ω_0 (System overstrength factor) = _2
I _P (Importance factor) = 1.5
z/h (Height factor ratio) = <u>1 (S_{DS} = 2.00); 0 (S_{DS} = 2.50)</u>
Equipment or Component Natural Frequencies (Hz) = <u>See Attachment</u>
Overall dimensions and weight (or range thereof) = See Attachment
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: Yes X 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) =
Ω₀ (System overstrength factor) =
Cd (Deflection amplification factor) =
I_{P} (Importance factor) = 1.5 DATE: 10/12/2020
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)
Other(s) (Please Specify): Product Matrices
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025
1.1100
Signature: Date: October 12, 2020
Print Name: Timothy J. Piland Title: SSE
Special Seismic Certification Valid Up to: S _{DS} (g) = <u>See Above</u> z/h = <u>See Above</u>
Condition of Approval (if applicable): See last page of OSP for tested required rack specifications.
B-line Eaton Rack Model SB85219084
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY
OSH-FD-759 (REV 12/16/15) Page 3 of 3

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



TRU PROJECT NO. 1800569

Manufacturer:	Best Healthcare						TADI	F 1
Model Line:	BestlQ 9800						TABL	. С. Д.
Certified Product Col	nstruction Summary:						-	
Carbon steel cabinet								
Certified Options Sur								
See table 2 for optiona	al components							
Mounting Configurat	ion		200					
2 post rack mounted-r		S FC	RCOL	JE CO	1.			
-	onfiguration must be of similar				and stiffnes	s to those te	sted.	
			Certificatio	DD	s-1=	2.0 g Z	/h=1 0	/ _P = 1.5
Building Code:	CBC 2016	Seismic	ertificatio	on Limits:	S _{DS} =	2.5 g Z	/h=0.0	P- 1.5
Model Line	Model		nensions		Weight	m	Notes	UUT
		Depth	Width	Height	(lb)			
BestIQ 9800	9855	BY5Tin	not l 7y .	12.25	10 ¹⁸	2-Post Ra	ick Mounted ¹	1A, 1B
		DATE:	10/1 <u>2/</u>	2020				
	Z	Quintin			2			
					SK'			
		TVIA		ING C	01			
			BUIL	DINO				

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SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX







<i>Manufacturer: Model Line:</i>	Best Healthcare BestIQ 9800		TABLE 2		
Building Code:	CBC 2016	Seismic Certificati	Fon Limits: $S_{DS} = 2.0 g z/h = 1.0$ $S_{DS} = 2.5 g z/h = 0.0$	<i>I_P</i> = 1.5	
Component Type	Manufacturer	Model	RCODEDescription	Note	es UUT
Battery	X-LENT Power	XLT12-7	12V, 7Ah, Sealed lead acid, 4.8 lbs.		1A, 1B
Optional Plug-in Circuit Boards	Best Healthcare —	9858	Network Bridge		1A 1A
		2	OSP-0615		
			IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
		BY:Ti	mothy J Piland		
		DATE	10/12/2020		
		2	+		
		1 X X			
		COD.	DF.		
			BUILDINGCO		
			OILD.		

TRU Compliance, by Structural Integrity Associates, Inc. 844-TRU-0200 | info@trucompliance.com



TRU PROJECT NO. 1800569

Aodel Line:	Best Healthcare					
	BestIQ 9800 Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _P
1A	BestIQ 9800	TR-089325.01-ENV Rev.0	National Technical Systems - Silicon Valley	2.0 2.5	1 0	1.5
1B	BestIQ 9800	TR-089325.01-ENV Rev.0	National Technical Systems - Silicon Valley	2.0 2.5	1 0	1.5
		2002 0				
		ED FOR CODE C	OMP			
		OSHPD	T			
	REI	OSP-0615	- Cfr			
		BY:Timothy J Pili	and			
		DATE: 10/12/2020				
	CR		0102			
		CORNA BERN	CODE			
		WIA BUILDING				

TRU PROJECT NO. 1800569



	Best Heal								T 1	Λ	
Model Line:	BestlQ 98	Serial Number: N/A								A	
Model Number:	9855										
Product Constru Carbon steel cab	-	/:									
Options/Subcom 9858 Network Bri	-	ary: n Controller, 12V 7A	h battery								
		WED		ODEC	OMPL						
Weight		Dimension (in)		roperties		-	+ Notural	Fraguas	ov (H=)		
(lb)	Depth	Width		ight 615	Front			Natural Frequency (Side-Side		Vertical	
18	5	17			6.	/////	5.2		>33.3		
I		UUT Highes			n Informa	ntion	1				
Building Code		Test Crite	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
CBC 2016		ICC-ES AC156	ICC-ES AC156 (2015)/1		1.0	1.5	3.20	2.40	1.67	0.67	
Test Mounting L	etails:	THE REAL		A A A A A A A A A A A A A A A A A A A	COOF	104		14			

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Contents were included in testing per operating conditions.

TRU PROJECT NO. 1800569





TRU PROJECT NO. 1800569

Best Healthcare

BestIQ 9800

Manufacturer:

Model Line:

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B-Line Eaton two post rack (PN: SB85219084) was rigid base mounted to the shake table using (4) 5/8" Grade 8 bolts. Shelves of
rack were populated with 780 lbs. of 1/4" thick steel plates as high as possible to increase the total rack weight.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

Model Number:	9855	0			Serial Nu	umber:	N/A		-	
Product Construct Carbon steel cabine		,								
Carbon steel cabine	20									
Options/Subcomp	onent Summa	rv:								
12V 7Ah battery		.).								
			200							
		MED	ORU	ODEC	OMP					
			UUT Pr	operties		Z				
Weight (lb)	Depth	Dimension (in) Width	IOSP	igh615	Eropt		st Natural Frequer		ncy (Hz) Vertical	
18	5	17		2.25	Front-Back 6.9		Side-Side 5.2		>33.3	
10	0	UUT Highest								0.0
Building Code		Test Criteria		S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
CBC 2016		ICC-ES AC156 (2015)/1		2/2.0 2.5	1.0 0.0	1.5	3.20	2.40	1.67	0.67
Test Mounting Det	ails:			DING	DYNAMICS			- 1B		



UUT 1B

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TRU PROJECT NO. 1800569





Network Equipment Racks & Accessories

Two-Post Relay Rack

Two-Post Seismic Relay Rack 19" & 23" Panel Mounting, Welded Steel

- Independently tested to NEBS GR-63-CORE Seismic Zone 4 standard; and for 900 lbs. (408kg) of equipment
- Independent testing conducted in accordance with ICBO AC156 standard for use up to 900 lbs. (408kg)
- Conformance to EIA/ECA-310-E
- Mounting rail spacing is adjustable from 3" (76mm) to 8" (203mm)
- 43 RMU (rack mounting units)
- Open top, bottom, and sides permit unlimited cable management options
- Industry standard mounting holes on sides allow attachment of vertical cable managers
- Top angles drilled for runway attachment •
- receptacle mounting

- Tubular steel frame provides a high degree of strength to weight ratio
- See page ii for link to OPM approvals
- Concrete installation requires (4) AWA-62-350 (sold separately)
- Finish ____: Flat black powder coat (FB) Telco gray powder coat (TG)



Part Number	'A' Height In. (mm)		ʻW' Spacing In. (mm)		Mounting Spaces	Shipping Weight Lbs. (kg)
19" (482mm) Rack Width		****				
SB85219084	84"	(2133)	24¾"	(628)	43	113 (51.3)
SB85219096	96"	(2438)	243/4"	(628)	49	124 (56.2)
23" (584mm) Rack Width						
SB85223084	84"	(2133)	283/4"	(730)	43	117 (53.1)
SB85223096	96"	(2133)	28¾"	(730)	49	127 (57.6)

Specify part number and finish when ordering.