0	s Dpd	State of California – Health and Human Services Agency					
		lanning and Development					
Faci 400 R	lities Development Division & Street. Suite 200, Sacramento, California	www.oshpd.ca.gov/fdd 95811-6213 Phone (916) 440-8300 Fax (916) 654-2973					
		TION FOR PREAPPROVAL					
	For Office Use Only						
	APPLICATION NO.	Check whether application is: NEW X RENEWAL					
OSP	9 – 0060-10						
1.0	Siemens Industry, Inc. Building Technologies Division Manufacturer	Brian D. Campbell Manufacturer's Technical Representative					
	5400 Triangle Pkwy, Norcross, GA 30	0092					
		Mailing Address					
	800-964-4114 Telephone	campbell.brian@siemens.com E-mail Address					
2.0	Safety Switches Product Name	General Duty, Heavy Duty, and Double Throw Safety Switches Product Type					
	General Duty, Heavy Duty, and Doub	le Throw Safety Switches (See attachment #1).					
		all unique product identification numbers and/or serial numbers)					
	General Description: Wall mounted Safety Switches inside	sheet metal enclosure.					
3.0	Siemens Industry, Inc. Building Technologies Division Applicant Company Name	Brian D. Campbell					
	Applicant Company Name	Contact Person					
	501 Fountain Parkway, Grand Prairie, TX 75050 Mailing Address						
	(917) 652 6602						
	(817) 652-6603 Telephone	campbell.brian@siemens.com E-mail Address					
l here incurr	eby agree to reimburse the Office of red by the department for review.	Statewide Health Planning and Development for the actual costs					
	Bin Glull	April 26, 2010					
	Signature of Applicant	Date					
	Senior Product Engineer	Siemens Industry, Inc.					
	Title	Company Name					

State of California – Health and Human Services Agency Arnold Schwarzenegger, Governor

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0	BHB Consulting Engineers, P.C. Company Name							
	Greg McCombs	S 4329						
	Contact Name	California License Number						
	2766 S Main Street, Salt Lake City, UT 84115							
		Mailing Address greg.mccombs@bhbengineers.com						
-	(801) 355-5656 Telephone	E-mail Address						
		r Review and Acceptance of the Report						
0								
-	BHB Consulting Engineers, P.C.	Company Name						
	Greg McCombs	S 4329						
-	Contact Name	California License Number						
	2766 S Main Street, Salt Lake City, UT 84115							
3		Mailing Address						
	(801) 355-5656	greg.mccombs@bhbengineers.com						
	Telephone	E-mail Address						
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage)							
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method	e pre-approval is required)	oifu					
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved		cify,					
	 Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorag) Anchorage is not Pre-approved Certification Method Testing in accordance with: 	e pre-approval is required)	ecify,					
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis	e pre-approval is required)	ecify,					
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data	e pre-approval is required)	ecify,					
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data	e pre-approval is required) ⊠ ICC-ES AC-156 □ Other (Please Spe	ecify,					
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis,	e pre-approval is required) ⊠ ICC-ES AC-156 □ Other (Please Spe	acify,					
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, Wyle Laboratory (if applicable)	and/or Experience Data (Please Specify):	ecify,					
)	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, Yule Laboratory (if applicable) Wyle Laboratories	e pre-approval is required) ICC-ES AC-156 Other (Please Spe and/or Experience Data (Please Specify): Don Smith, Test Dept. Manager	acify,					
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, Wyle Laboratory (if applicable)	and/or Experience Data (Please Specify):	ecify,					
	Anchorage Pre-Approval Anchorage is pre-approved under (Separate application for anchorage) Anchorage is not Pre-approved Certification Method Testing in accordance with: Analysis Experience data Combination of Testing, Analysis, Yule Laboratory (if applicable) Wyle Laboratories	e pre-approval is required) ICC-ES AC-156 Other (Please Spe and/or Experience Data (Please Specify): Don Smith, Test Dept. Manager	ecify)					

lealth and Human Services Agency Arnold Schwarzenegger, Governor

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"Equitable Healthcare Accessibility for California"

Office of Statewide Health Planning and Development

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9.0	Design in accordance with ASCE 7-05 Chapter 13: 🛛 Yes 🗌 No
	Design Basis of Equipment or Components $(F_p/W_p) = 1.5$ S_{DS} (Spectral response acceleration at short period) = 2.0 a_p (In-structure equipment or component amplification factor) = 2.5 R_p (Equipment or component response modification factor) = 6.0 I_p (Importance factor) = 1.5 z/h (Height factor ratio)= 1
	Equipment or Component fundamental period(s) = N/A
	Building period limits (if any) = n/a
	Overall dimensions and weight (or range) = [see attachment 1]
	Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: 🗌 Yes 🛛 No
	Design Basis of Equipment or Components (V/W) =
	S_{DS} (Spectral response acceleration at short period) =
	S1 (Spectral response acceleration at 1 second period) =
	R (Response modification coefficient)=1.0
	Ω_0 (System overstrength factor) =1.0
	C_d (Deflection amplification factor) =1.0
	I_p (Importance factor) =1.5
	Height to Center of Gravity above base =
	Equipment or Component fundamental period(s) = Sec
	Overall dimensions and weight (or range thereof) =
	Tank(s) designed in accordance with ASME BPVC, 2007: Yes No
10.0	List of attachments supporting the special seismic certification of equipment or components:
	☐ Test Report ☐ Drawings
	Calculations Others (Please Specify:):
11.0	OSHPD Approval (For Office, Use Only) 4/30/2010 December 31, 2013
	Signature & Date Approval Expiration Date Chris Tokas, SHFR Sps (g) = 2.0 z/h = 1.0
-	Name & Title Special Seismic Certification Valid Up to Condition of Approval (if any): Image: Condition of Approval (if any):

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Weight	Depth	Width	Height	Amperage	Unit Range
5 lbs - 165 lbs	6" – 15"	6" – 27"	8" – 57"	30-600	GFxxx
12 lbs - 116 lbs	6" – 15"	8" – 26"	8" – 45"	30-600	GNFxxx
12 lbs - 388 lbs	9" – 15"	9" – 40"	15" – 67"	30-1200	HFxxx
12 lbs - 307 lbs	9" – 15"	9" – 40"	44" – 55"	30-1200	HNFxxx
38 lbs - 415 lbs	6" – 7"	10" – 28"	29" – 74"	30-1200	DTFxxx
33 lbs – 475 lbs	6" – 10"	10" – 42"	25" – 72"	30-1200	DTNFxxx
33 lbs – 475 lbs		42"			
» »	5 lbs – 165 lbs 12 lbs – 116 lbs 12 lbs – 388 lbs 12 lbs – 307 lbs 38 lbs – 415 lbs	6" - 15" $5 lbs - 165 lbs$ $6" - 15"$ $12 lbs - 116 lbs$ $9" - 15"$ $12 lbs - 388 lbs$ $9" - 15"$ $12 lbs - 307 lbs$ $6" - 7"$ $38 lbs - 415 lbs$ $6" - 10"$ $33 lbs - 475 lbs$	6" - 27" $6" - 15"$ $5 lbs - 165 lbs$ $8" - 26"$ $6" - 15"$ $12 lbs - 116 lbs$ $9" - 40"$ $9" - 15"$ $12 lbs - 388 lbs$ $9" - 40"$ $9" - 15"$ $12 lbs - 307 lbs$ $10" - 28"$ $6" - 7"$ $38 lbs - 415 lbs$ $10" - 42"$ $6" - 10"$ $33 lbs - 475 lbs$	8" - 57" $6" - 27"$ $6" - 15"$ $5 \text{ lbs} - 165 \text{ lbs}$ $8" - 45"$ $8" - 26"$ $6" - 15"$ $12 \text{ lbs} - 116 \text{ lbs}$ $15" - 67"$ $9" - 40"$ $9" - 15"$ $12 \text{ lbs} - 388 \text{ lbs}$ $44" - 55"$ $9" - 40"$ $9" - 15"$ $12 \text{ lbs} - 307 \text{ lbs}$ $29" - 74"$ $10" - 28"$ $6" - 7"$ $38 \text{ lbs} - 415 \text{ lbs}$ $25" - 72"$ $10" - 42"$ $6" - 10"$ $33 \text{ lbs} - 475 \text{ lbs}$	30-600 $8" - 57"$ $6" - 27"$ $6" - 15"$ $5 \text{ lbs} - 165 \text{ lbs}$ 30-600 $8" - 45"$ $8" - 26"$ $6" - 15"$ $5 \text{ lbs} - 165 \text{ lbs}$ 30-600 $8" - 45"$ $8" - 26"$ $6" - 15"$ $12 \text{ lbs} - 116 \text{ lbs}$ $30-1200$ $15" - 67"$ $9" - 40"$ $9" - 15"$ $12 \text{ lbs} - 388 \text{ lbs}$ $30-1200$ $44" - 55"$ $9" - 40"$ $9" - 15"$ $12 \text{ lbs} - 307 \text{ lbs}$ $30-1200$ $29" - 74"$ $10" - 28"$ $6" - 7"$ $38 \text{ lbs} - 415 \text{ lbs}$

Siemens Wall Mounted Safety Switch Product Summary

For wall mounted equipment, natural frequencies measured in tests are those of the backboar and not the components. Components' natural frequencies were not determined in the tests.

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Attachment # 1 (Page # 2 of 2)

Shake Table Test Parameters

Unit Under Test	S _{DS} (g)	z/h	A _{FLX}	A _{RIG}	A _{FLX} /A _{RIG}	R _P /I _P
GF321NR	2.0	1	3.2	2.4	1.33	1.0
GF323NR	2.0	1	3.2	2.4	1.33	1.0
GF324NR	2.0	1	3.2	2.4	1.33	1.0
GF326NR	2.0	1	3.2	2.4	1.33	1.0
HF361J	2.0	1	3.2	2.4	1.33	1.0
HF363J	2.0	1	3.2	2.4	1.33	1.0
HF364J	2.0	1	3.2	2.4	1.33	1.0
HF367J	2.0	1	3.2	2.4	1.33	1.0
HF368J	2.0	1	3.2	2.4	1.33	1.0
DTF361	2.0	1	3.2	2.4	1.33	1.0
DTF363R	2.0	1	3.2	2.4	1.33	1.0
DTF364R	2.0	1	3.2	2.4	1.33	1.0
DTFN366R	2.0	1	3.2	2.4	1.33	1.0
DTFN368R	2.0	1	3.2	2.4	1.33	1.0

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