

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP) APPLICATION #: OSP-0840 HCAI Special Seismic Certification Preapproval (OSP) X New Type: Renewal Manufacturer Information Manufacturer: Siemens Industry, Inc. Manufacturer's Technical Representative: Scott McClelland Mailing Address: 3617 Parkway Lane, Peachtree Corners, GA 30092 Telephone: (678) 982-2353 Email: mcclelland.scott@siemens.com Product Information Product Name: Enclosed Fusible Switches Product Model Number(s): See attachment Product Category: Power Isolation and Correction Systems Product Sub-Category: Power Isolation and Correction Systems Metal enclosed fusible switches with integrated surge protection / relays with remote operation General Description: capabilities. Wall Mounted Rigid -Mounting Description: 04/11/2025 ТΕ・ Seismic enhancements made to the test units and/or modifications required to address **Tested Seismic Enhancements:** anomalies during the tests shall be incorporated into the production units. Applicant Information Applicant Company Name: WE Gundy & Associates, Inc Contact Person: Travis Soppe Mailing Address: PO Box 9121, Boise, ID 83707 Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Title: President



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DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: W.E. GUNDY & ASOCIATES INC.
Name: Travis Soppe California License Number: S6115
Mailing Address: P.O. Box 9121, Boise, ID 83707
Telephone: (208) 342-5989 Email: tsoppe@wegai.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE COL
Testing Laboratory
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
Contact Person: Jeremy Lange
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
Telephone: (972) 247-9657 Email: jeremy@etldallas.com
DATE: 04/11/2025



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Seismic Parameters

Desig	n Basis of Equipment or Components	(Fp/Wp) =	1.50 for SDS = 2.0 a	t z/h = 1 and 1	.13 for SDS = 2.5 at z/h = 0
	SDS (Design spectral response accele	eration at sh	ort period, g) = 2.00 (z/h = 1.0) and	2.50 (z/h = 0.0)
	ap (Amplification factor) =	2.5			
	Rp (Response modification factor) =	6.0			
	Ω_0 (System overstrength factor) =	2.0			
	Ip (Importance factor) =	1.5			
	z/h (Height ratio factor) =	1 and 0			
	Natural frequencies (Hz) =	See Attach	ment		
	Overall dimensions and weight = Approval (For Office Use Only) -	See Attach	CON	100	
Date:	4/11/2025		OSP-0840	G	
Name	: Mohammad Karim			Title:	Supervisor, Health Facilities
Specia	al Seismic Certification Valid Up to: SE	os (g) = 2.0	ohammad Karim	z/h =	1
Condit	tion of Approval (if applicable):	DATE	• 04/11/2025		
		PRNIAE	BUTI DING CO	DE: SV	



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OSP-0840

TABLE 1

SIEMENS ENCLOSED FUSIBLE SWITCH CERTIFIED PRODUCT LINE MATRICES



Elevator Control Switches - ECS Fusible Shunt Trip Switches - STF Fusible Safety Switches w/ Integrated SPD - HF							
Identification							
Number ^{1,2}	Ampreage	NEMA Rating	Width	mensions Depth	Height	Weight (lb)	Representative UUT
HF16xCxJ	30A	1/3R/12	16.8	6.6	33	64	extrapolated
HF26xCxJ	60A	1/3R/12	16.8	6.6	33	64	extrapolated
HF36xCxJ	100A	1/3R/12	16.8	6.6	33	66	extrapolated
STF1xxxxJ	30A	1/3R/12	16.8	6.6	33	70	extrapolated
STF2xxxxJ	60A	1/3R/12	16.8	6.6	33	70	extrapolated
STF3xxxxJ	100A	1/3R/12	16.8	D 6.6	33	72	extrapolated
ECS1TxRxxxA	30A	JF	16.8	6.4	31.1	71	extrapolated
ECS2TxRxxxA	60A	NY	16.8	6.4	31.1	71	extrapolated
ECS3TxRxxxA	100A		16.8	6.4	31.1	73	extrapolated
ECS3T1R1RNA	100A	1	16.7	6.4	31.1	76	UUT-1
ECS1TxRxxJxxA	30A	3 <mark>R/12</mark>	16.8	6.6	33	72	interpolated
ECS2TxRxxJxxA	60 <mark>A</mark>	3R/12	16.8	na 6.6 ar	m 33	72	interpolated
ECS3TxRxxJxxA	100A	3R/12	16.8	6.6	33	74	interpolated
HF46xCxJ	200A	1/3 <mark>R/12</mark>	= 23.3 <u>4</u> /	11/24h2!	37.4	86	interpolated
STF4xxxxJ	200A	1/3R/12	23.3	7.4	37.4	92	interpolated
ECS4TxRxxJxxA	200A	1/3R/12	23.3	7.4	37.4	94	interpolated
HF56xCxJ	400A	1/3R/12	23.3	7.4	48	130	interpolated
STF5xxxxJ	400A	1/3R/12	23.3	7.4	48	136	interpolated
ECS5TxRxxJxxA	400A	1/3R/12	23.3	017.4	48	138	interpolated
ECS5T1R1RJNCA	400A	1/3R/12	23.4	7.4	48	138	UUT-2

Notes:

¹ All components are manufactured by Siemens and the part numbers listed uniquely identify type of component, manufacturer, and material of construction for each sub-componenent within the tested unit.

² The enclosed fusible switch configurations utilize the same carbon steel enclosures and internal subcomponents and . The Elevator Control Switch (ECS) configurations contain the most subcomponents in the listing and the Fusible Shunt Trip Switch (STF) / Fusible Safety Switch w/ Integrated SPD (HF) configurations are identical with fewer intenal subcomponents.

ECS*: Fusible power switch with remote operation (OFF only) and internal relays for integration with building fire alarm system HF*: Fusible power switch with integrated surge protection

STF*: Fusible power switch with remote operation (OFF only)

³ Dimensions listed are main enclosure box dimensions and do not include handles or anchor tabs that extend beyond the box.

SEISMIC CERTIFICATION LIMITS								
System Component	Code	S _{DS} (g)	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$
Enclosed Switches	CBC 2022	2.0	1	1.50	2.5	6.0	2.0	1.50
		2.5	0					1.13

TABLE 2

SIEMENS ENCLOSED FUSIBLE SWITCH CERTIFIED SUBCOMPONENT MATRIX



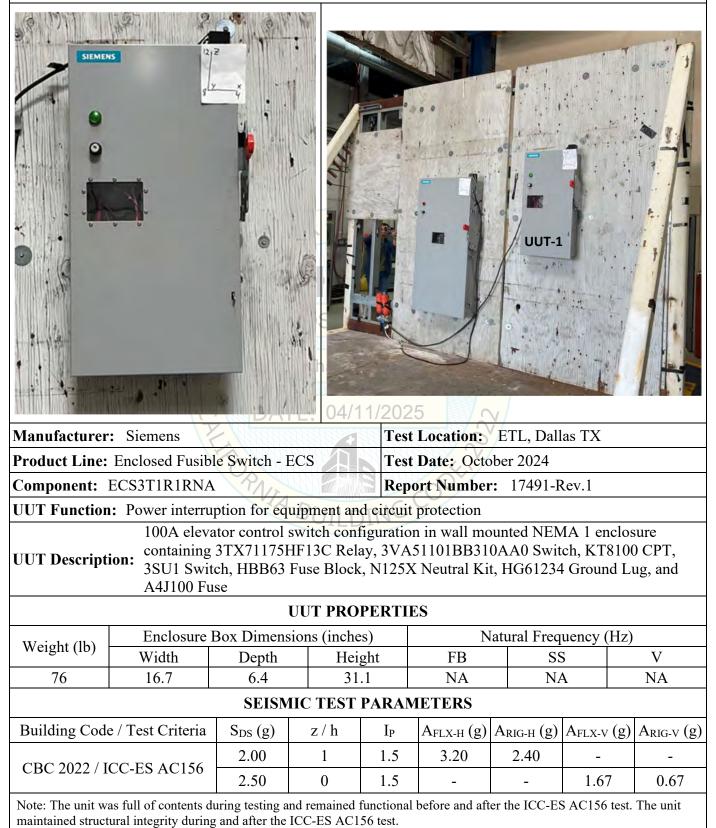
			STRUCTURAL &	EARTHQUAKE ENGINEERING
	Fusi	vator Control Switches - ECS ble Shunt Trip Switches - STF fety Switches w/ Integrated SPD - HF	_	_
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT
		Relays		
3TX71175HF13C	SIEMENS	120 VAC 4P Ice Cube Relay	< 1	UUT-1 / UUT-2
		Molded Case Switch		
3VA51101BB310AA0	SIEMENS	100A	3	UUT-1
3VA5	SIEMENS	30A-400A	3 - 12	interpolated
3VA53401BB310AA0	SIEMENS	400A	12	UUT-2
		Control Power Tansformers	•	<u>.</u>
KT8100	SIEMENS	100VA	6	UUT-1
	L.	Selector Switch / Pilot Light	•	
3SU1	SIEMENS	Selector Switch / Pilot Light	< 1	UUT-1 / 2
	R L	Fuse Block	•	
HBB22	SIEMENS	30A Load Base QTY 2	1.8	extrapolated
HBB62	SIEMENS	60A Load Base QTY 2	2.0	interpolated
HBB63	SIEMENS	100A Load Base QTY 2	2.0	UUT-1
US2:R507013	SIEMENS	200A Fuse Block Assy	2.2	interpolated
US2:R507012	SIEMENS	400A Fuse Block Assy	7.0	UUT-2
		Surge Protective Device		
TPS403	SIEMENS	TPS4 Surge Prodective Device	< 1	UUT-2
		B Neutral Kit		
N125X	SIEMENS	30-100A	0.8	UUT-1
HN64	SIEMENS	200A	0.6	interpolated
HN656A	SIEMENS	400A	1.6	UUT-2
		Ground Lug		
HG61234	SIEMENS	30-200A	< 1	UUT-1
HG656A	SIEMENS	400A	< 1	UUT-2
		Fuses		
A4J100	Mersen	100A	< 1	UUT-1
A4J	Mersen	30-400A	< 1	interpolated
A4J400	Mersen	400A	< 1	UUT-2

UUT-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted with (3) 1/4" grade 5 bolts



UUT-2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted with (4) 1/4" grade 5 bolts

