



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

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0840

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Siemens Industry, Inc.

Manufacturer's Technical Representative: Dave Otey

Mailing Address: 3617 Parkway Lane, Peachtree Corners, GA 30092

Telephone: (630) 730-1459

Email: david.otey@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

General Description: Metal enclosed fusible switches with integrated surge protection / relays with remote operation capabilities.

Mounting Description: Wall Mounted Rigid

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address 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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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: W.E. GUNDY & ASSOCIATES 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
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

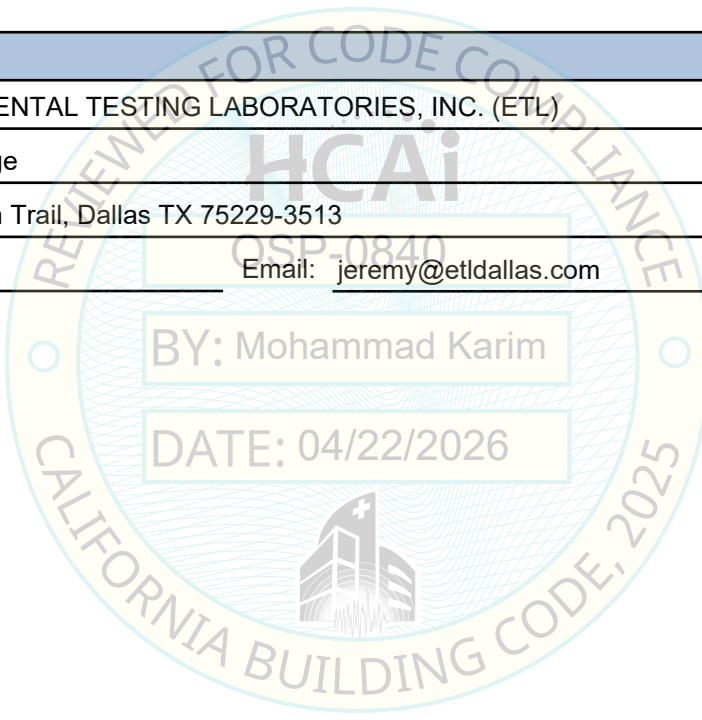
Testing Laboratory

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





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal	(A Flx-H), g=	<u>3.20</u>	(A Rig-H), g=	<u>2.15</u>
Vertical	(A Flx-V), g=	<u>1.68</u>	(A Rig-V), g=	<u>0.68</u>

SDS (Design spectral response acceleration at short period, g) = 2.5 @ z/h = 0; 2.0 @ z/h = 1

Hf (Force amplification height factor) = 1 @ z/h = 0; 3.5 @ z/h = 1

Ru (Structure ductility reduction factor) = 1 @ z/h = 0; 1.3 @ z/h = 1

Ip (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 04/22/2032

Date:	<u>4/22/2026</u>	
Name:	<u>Mohammad Karim</u>	Title: <u>Supervisor, Health Facilities</u>
Condition of Approval (if applicable):	<u>OSP-0840</u>	
	<u>BY: Mohammad Karim</u>	
	<u>DATE: 04/22/2026</u>	

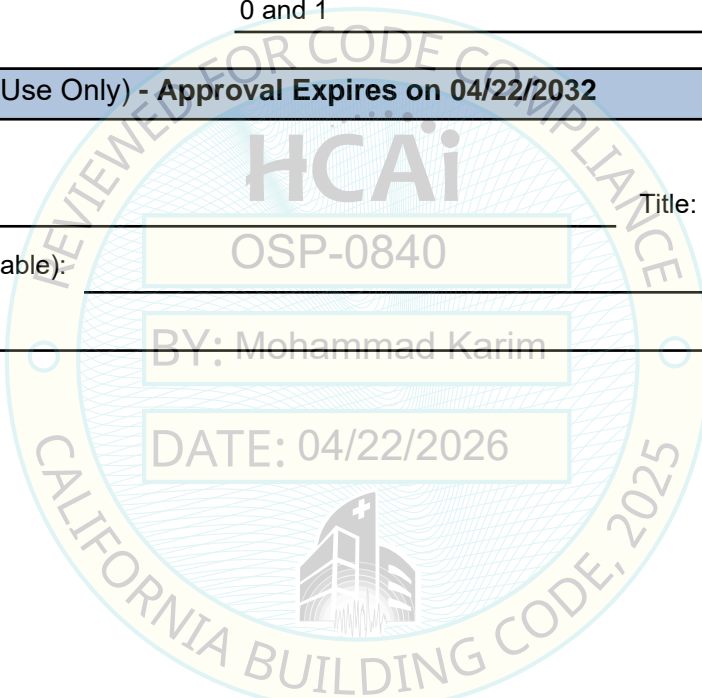


TABLE 1

**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	³ Dimensions (in)			Weight (lb)	Representative UUT
			Width	Depth	Height		
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
STF361xxxxxJ	30A	1/3R/12	16.8	6.6	33	70	extrapolated
STF362xxxxxJ	60A	1/3R/12	16.8	6.6	33	70	extrapolated
STF363xxxxxJ	100A	1/3R/12	16.8	6.6	33	72	extrapolated
ECS1TxRxxxxA	30A	1	16.8	6.4	31.1	71	extrapolated
ECS2TxRxxxxA	60A	1	16.8	6.4	31.1	71	extrapolated
ECS3TxRxxxxA	100A	1	16.8	6.4	31.1	73	extrapolated
ECS3T1R1RNA	100A	1	16.7	6.4	31.1	76	UUT-1
ECS1TxRxxJxxA	30A	3R/12	16.8	6.6	33	72	interpolated
ECS2TxRxxJxxA	60A	3R/12	16.8	6.6	33	72	interpolated
ECS3TxRxxJxxA	100A	3R/12	16.8	6.6	33	74	interpolated
HF46xCxJ	200A	1/3R/12	23.3	7.4	37.4	86	interpolated
STF364xxxxxJ	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
STF365xxxxxJ	400A	1/3R/12	23.3	7.4	48	136	interpolated
ECS5TxRxxJxxA	400A	1/3R/12	23.3	7.4	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-component 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 internal 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

CODE	Ip	S _{DS} (g)	z / h	H _f	R _μ	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2025	1.5	2.00	1.0	3.5	1.3	3.20g	2.15g	-	-
		2.50	0	1.0	1.0	-	-	1.68g	0.68g

TABLE 2

**SIEMENS ENCLOSED FUSIBLE SWITCH
CERTIFIED SUBCOMPONENT MATRIX**

**Elevator Control Switches - ECS
Fusible Shunt Trip Switches - STF
Fusible Safety Switches w/ Integrated SPD - HF**

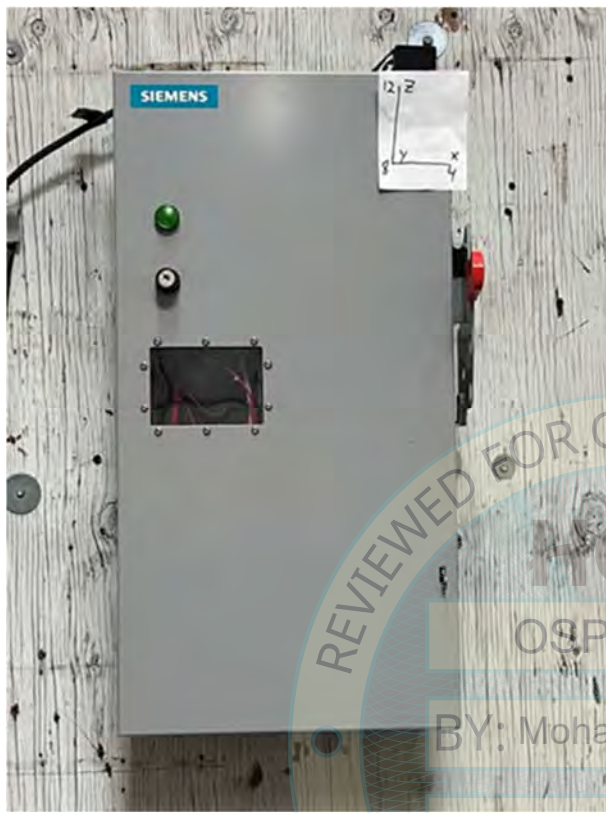
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT
Relays				
3TX71175HF13C	SIEMENS	120 VAC 4P Ice Cube Relay	< 1	UUT-1 / UUT-2
Molded Case Switch				
3VA51101BB310AA0	SIEMENS	100A	3	UUT-1
3VA5	SIEMENS	30A-400A	3 - 12	interpolated
3VA53401BB310AA0	SIEMENS	400A	12	UUT-2
Control Power Transformers				
KT8100	SIEMENS	100VA	6	UUT-1
Selector Switch / Pilot Light				
3SU1	SIEMENS	Selector Switch / Pilot Light	< 1	UUT-1 / 2
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 Protective Device	< 1	UUT-2
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



Manufacturer: Siemens **Test Location:** ETL, Dallas TX

Product Line: Enclosed Fusible Switch - ECS **Test Date:** October 15, 2024

Component: ECS3T1R1RNA **Report Number:** 17491-Rev.1

UUT Function: Power interruption for equipment and circuit protection

UUT Description: 100A elevator control switch configuration in wall mounted NEMA 1 enclosure containing 3TX71175HF13C Relay, 3VA51101BB310AA0 Switch, KT8100 CPT, 3SU1 Switch, HBB63 Fuse Block, N125X Neutral Kit, HG61234 Ground Lug, and A4J100 Fuse

UUT PROPERTIES

Weight (lb)	Enclosure Box Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
76	16.7	6.4	31.1	NA	NA	NA

SEISMIC TEST PARAMETERS – ICC-ES AC 156-24

CODE	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2025	2.0	1.0	3.5	1.3	1.5	3.20	2.15	-	-
	2.5	0	1.0	1.0	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT-2

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



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



REVIEWED FOR CODE COMPLIANCE
 BY: Mohammad Karim
 DATE: 04/22/2026

Manufacturer: Siemens	Test Location: ETL, Dallas TX
Product Line: Enclosed Fusible Switch - ECS	Test Date: October 15, 2024
Component: ECS5T1R1RJNCA	Report Number: 17491-Rev.1

UUT Function: Power interruption for equipment and circuit protection

UUT Description: 400A elevator control switch configuration in wall mounted NEMA 12 / 3R enclosure containing 3TX71175HF13C Relay, 3VA53401BB310AA0 Switch, 3SU1 Switch, US2:R507012 Fuse Block, TPS403 Surge Protective Device, HN6565A Neutral Kit, HG656A Ground Lug, and A4J400 Fuse

UUT PROPERTIES

Weight (lb)	Enclosure Box Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
138	23.4	7.4	48.0	NA	NA	NA

SEISMIC TEST PARAMETERS – ICC-ES AC 156-24

CODE	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2025	2.0	1.0	3.5	1.3	1.5	3.20	2.15	-	-
	2.5	0	1.0	1.0	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.