



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-0191

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: In Compliance Services Inc.

Manufacturer's Technical Representative: Lucas Jones

Mailing Address: P.O. Box 1355, Bethel Island, CA 94511

Telephone: (925) 852-9827

Email: lucas@incomplianceservices.com

Product Information

Product Name: Fuel Oil Control Panels

Product Model Number(s): See Attachment

Product Category: Industrial Control Panels

Product Sub-Category: Fuel Systems Control Panels

General Description: Fuel oil control panels for the management of fuel oil delivery systems.

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: Manwill Engineering LLC

Contact Person: Derek Manwill

Mailing Address: PO Box 1194, Bend, OR 97709

Telephone: (541) 241-2102

Email: derek@manwillse.com

Title: President



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

Company Name: MANWILL ENGINEERING LLC

Name: Derek Manwill

California License Number: S6266

Mailing Address: PO Box 1194, Bend, OR 97709

Telephone: (541) 241-2102

Email: derek@manwillse.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

Company Name: ELEMENT (ELMT)

Contact Person: Rajnish Nand

Mailing Address: 38995 Cherry Street, Newark CA 94560

Telephone: (510) 578-3500

Email: rajnish.nand@element.com

BY: Timothy J. Piland

DATE: 09/25/2025



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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal (A Flx-H), g= 4.00 (A Rig-H), g= 3.00

Vertical (A Flx-V), g= 1.68 (A Rig-V), g= 0.68

SDS (Design spectral response acceleration at short period, g) = 2.50

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

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

I_p (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 09/25/2031

Date: 9/25/2025

Name: Timothy Piland

Title: Senior Structural Engineer

Condition of Approval (if applicable): _____

OSP-0191

BY: Timothy J. Piland

DATE: 09/25/2025



ATTACHMENT 1: CERTIFIED COMPONENTS

SPECIAL SEISMIC CERTIFICATION

**IN COMPLIANCE SERVICES INC.
Fuel Oil Control Panels**

TABLE 1

Mounting: Wall mounted rigid.	S _{DS} (g)	H _f / R _μ	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	I _p
	2.50	3.5 / 1.3	4.00	3.00	1.68	0.68	1.5
	2.50	1.0 / 1.0					

Product Construction: NEMA 4X stainless steel enclosure. Exterior control panels contain one interior control panel rigid mounted to the back plate.

Options/Subcomponents: Saginaw or Hoffman NEMA 4X enclosures as listed in Table 2. See Table 3 for a list of certified subcomponents. The total weight of the complete control panel must be less than or equal to the maximum weight listed for the selected enclosure in Table 2 and the values listed below.

Substitutions: Subcomponents weighing less than 10-lb may be substituted per CBC 1705A.14.3.1 Exception 7, provided they meet the five listed requirements in that section.

Model Number	Dimensions (in)			Max. Wt. (lb)	Description / Notes	Basis
	Depth	Width	Height			
Custom Interior Fuel Oil Control Panels w/ Hoffman Enclosure						
C-1H	8.0	16.0	20.0	52	UUT 1=43lb, UUT 7=52lb	UUT 1,7
C-2H	8.0	20.0	24.0	89		INTERP
C-3H	8.0	24.0	24.0	107		INTERP
C-4H	8.0	20.0	30.0	111		INTERP
C-5H	8.0	24.0	30.0	133		INTERP
C-6H	8.0	30.0	36.0	200		UUT 9
Custom Interior Fuel Oil Control Panels w/ Saginaw Enclosure						
C-1S	8.0	16.0	20.0	50		EXTRAP
C-2S	8.0	20.0	24.0	75		UUT 3
C-3S	8.0	24.0	24.0	76		INTERP
C-4S	8.0	20.0	30.0	79		INTERP
C-5S	8.0	24.0	30.0	95		INTERP
C-6S	8.0	30.0	36.0	143		UUT 5
Custom Exterior Fuel Oil Control Panels w/ Saginaw Enclosure						
C-1X	12.0	24.0	30.0	112	UUT 6=267lb, UUT 8=324lb	UUT 2
C-2X	12.0	30.0	30.0	164		UUT 4
C-3X	12.0	24.0	36.0	185		INTERP
C-4X	12.0	30.0	36.0	231		INTERP
C-5X	12.0	36.0	42.0	324		UUT 6,8

End of TABLE 1. Notes, information, and seismic parameters are shown at the beginning of the table.

ATTACHMENT 2: CERTIFIED SUBCOMPONENTS

SPECIAL SEISMIC CERTIFICATION

IN COMPLIANCE SERVICES INC. Fuel Oil Control Panels

TABLE 2 - ENCLOSURES

Mounting: Wall mounted rigid.	S _{DS} (g)	H _f / R _μ	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	I _p
	2.50	3.5 / 1.3	4.00	3.00	1.68	0.68	1.5
	2.50	1.0 / 1.0					

Construction/Options: Model number uniquely identifies manufacturer, materials, and configuration of subcomponents.

Model Number	Dimensions (in)			Max. Wt. (lb)	Description / Notes	Basis
	Depth	Width	Height			
Type: NEMA 4X Interior Enclosures - Mfr: Hoffman						
CSD20168SS	8.0	16.0	20.0	52	UUT 1=43lb, UUT 7=52lb	UUT 1,2,7
CSD24208SS	8.0	20.0	24.0	89		INTERP
CSD30208SS	8.0	20.0	30.0	107		INTERP
CSD24248SS	8.0	24.0	24.0	111		INTERP
CSD30248SS	8.0	24.0	30.0	133		INTERP
CSD36308SS	8.0	30.0	36.0	200		UUT 8,9
Type: NEMA 4X Interior Enclosures - Mfr: Saginaw						
SCE-20EL1608SSLP	8.0	16.0	20.0	50		EXTRAP
SCE-24EL2008SSLP	8.0	20.0	24.0	75		UUT 3,4
SCE-24EL2408SSLP	8.0	24.0	24.0	76		INTERP
SCE-30EL2008SSLP	8.0	20.0	30.0	79		INTERP
SCE-30EL2408SSLP	8.0	24.0	30.0	95		INTERP
SCE-36EL3008SSLP	8.0	30.0	36.0	143		UUT 5,6
Type: NEMA 4X Exterior Enclosures with Handle - Mfr: Saginaw						
SCE-30EL2412SSLPPL	12.0	24.0	30.0	112		UUT 2
SCE-30EL3012SSLPPL	12.0	30.0	30.0	164		UUT 4
SCE-36EL2412SSLPPL	12.0	24.0	36.0	185		INTERP
SCE-36EL3012SSLPPL	12.0	30.0	36.0	231		INTERP
SCE-42EL3612SSLPPL	12.0	36.0	42.0	324	UUT 6=267lb, UUT 8=324lb	UUT 6,8

End of TABLE 2 - ENCLOSURES. Notes, information, and seismic parameters are shown at the beginning of the table.

ATTACHMENT 2: CERTIFIED SUBCOMPONENTS

SPECIAL SEISMIC CERTIFICATION

IN COMPLIANCE SERVICES INC. Fuel Oil Control Panels

TABLE 3 - SUBCOMPONENTS

Mounting: Mounted within unit.	S _{DS} (g)	H _f / R _μ	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}	I _p
	2.50	3.5 / 1.3	4.00	3.00	1.68	0.68	1.5
	2.50	1.0 / 1.0					

Construction/Options: Model number uniquely identifies manufacturer, materials, and configuration of subcomponents.

Substitutions: Subcomponents weighing less than 10-lb may be substituted per CBC 1705A.14.3.1 Exception 7, provided they meet the five listed requirements in that section.

Model Number	Dimensions (in)			Max. Wt. (lb)	Description / Notes	Basis
	Depth	Width	Height			
Type: Relay - Mfr: Automation Direct						
750-3C-120A	2.2	1.4	1.3	<1		UUT 1,5,6
Type: Relay - Mfr: Finder						
60.13.8.012.00540	2.1	1.3	1.3	<1		UUT 2-6,8,9
Type: Relay - Mfr: Allen Bradley						
700HC1A1-3-4	1.5	1.1	0.8	<1		UUT 7
Type: Relay Socket - Mfr: Omron						
653-PYF14A-E	1.2	1.2	2.8	<1		UUT 8,9
Type: Relay - Mfr: Macromatic						
ARP120AGR	3.1	1.8	2.3	<1		UUT 1,2
Type: Relays - Mfr: Square D						
8501-KA91-V20	2.1	1.4	1.4	<1		UUT 3,4
9050-JCK11-V20	2.8	2.4	1.7	<1		UUT 5,6
Type: Circuit Breakers - Mfr: Siemens						
5SJ4111-7HG41	2.8	0.7	4.3	<1		UUT 1-6
5SJ4218-7HG41	2.8	1.4	4.3	<1		UUT 5,6
Type: Circuit Breakers - Mfr: Allen Bradley						
1492-SP2C150	2.4	1.4	3.1	<1		UUT 8,9
1492-SP1C050	2.4	0.7	3.1	<1		UUT 7-9
Type: Motor Starter - Mfr: Square D						
GV2-P14H7/6-10A	3.8	1.8	3.5	<1		UUT 5,6
Type: Motor Starter - Mfr: Allen Bradley						
140M-D8E	3.2	1.8	3.6	<1		UUT 8,9
Type: Contactor - Mfr: Allen Bradley						
100-C23D10	3.2	1.8	3.2	<1		UUT 8,9
Type: Audible Alarm - Mfr: Floyd Bell						
UO-09-628-Q	1.4	1.4	1.4	<1		UUT 7-9
Type: Pilot Lights - Mfr: Square D						
9001-KT38LGG31	2.8	2.1	1.7	<1		UUT 1-6,8,9
9001-KT38LYA31	2.8	2.1	1.7	<1		UUT 1-6
9001-KT38LRR31	2.8	2.1	1.7	<1		UUT 1-6,8,9
Type: Pilot Lights - Mfr: Allen Bradley						
800T-QTH2G	3.4	0.8	1.1	<1		UUT 7
800T-QTH2R	3.4	0.8	1.1	<1		UUT 7
Type: Switch - Mfr: Square D						
9001-KS63FBH2	1.5	1.7	1.7	<1		UUT 1-6,8,9

TABLE 3 - SUBCOMPONENTS continues on the next page.

ATTACHMENT 2: CERTIFIED SUBCOMPONENTS

SPECIAL SEISMIC CERTIFICATION

**IN COMPLIANCE SERVICES INC.
Fuel Oil Control Panels**

TABLE 3 - SUBCOMPONENTS (CONTINUED)

Model Number	Dimensions (in)			Max. Wt. (lb)	Description / Notes	Basis
	Depth	Width	Height			
Type: Switches - Mfr: Allen Bradley						
800T-J17	3.4	0.8	1.1	<1		UUT 7
800T-H17D1	3.4	0.8	1.1	<1		UUT 7
Type: Push Button - Mfr: Square D						
9001-KR1B	1.3	1.7	1.7	<1		UUT 1-6,8,9
Type: Push Button - Mfr: Allen Bradley						
800T-A2	3.4	0.8	1.1	<1		UUT 7
Type: Terminal Block - Mfr: Weidmueller						
WDU-4	1.8	0.2	2.4	<1		UUT 1-6
Type: Terminal Blocks - Mfr: Phoenix Contact						
UT4	1.6	0.2	1.9	<1		UUT 8,9
UT4-HESI	1.6	0.2	1.9	<1		UUT 8,9
UTB 2.5	1.6	0.2	1.9	<1		UUT 8,9
Type: Terminal Block - Mfr: Allen Bradley						
1492-J4	1.6	0.2	2.4	<1		UUT 7
Type: Controllers - Mfr: Seimens						
6ES7 212-1BD30-0XB0	3.0	3.5	3.9	0.9	CPU	UUT 3-6
KTP-600	1.7	8.4	6.2	2.3	6in touchscreen	UUT 4
KTP-1000	2.4	13.2	10.8	5.8	10in touchscreen	UUT 3,5,6
6EP1-332-1SH71	3.0	2.8	3.9	0.7	Power supply	UUT 3-6
6GK7 277-1AA00-0AA0	3.0	1.8	3.9	0.3	Ethernet switch	UUT 3-6
6ES7 241-1AH30-0XB0	3.0	1.2	3.9	0.3	Serial data	UUT 3-6
6ES7 221-1BH30-0XB0	3.0	1.8	3.9	0.5	Input module	UUT 3-6
6ES7 222-1BH30-0XB0	3.0	1.8	3.9	0.5	Output module	UUT 3-6
Type: Controllers - Mfr: Allen Bradley						
1763-L16BWA	3.4	4.3	3.5	2.0	CPU	UUT 7-9
2711PC-T6C20D	2.9	7.3	6	1.3	6in touchscreen	UUT 7
2711PC-T10C4D1	2.2	13	9.7	6.3	10in touchscreen	UUT 8,9
1606-XLE80E	4.0	1.3	4.9	1.0	Power supply	UUT 7-9
1783-US05T	2.7	1.2	4.5	0.6	Ethernet switch	UUT 7-9
4983-DC120-5	2.4	1.4	3.6	1.0	Serial data	UUT 7-9
1492-J16	2.2	0.5	2.4	<1	Input module	UUT 7-9
1762-OW8	2.2	0.5	2.4	<1	Output module	UUT 7-9
Type: Controller - Mfr: Red Lion						
DSPX00U	4.2	3.1	5.3	0.9	Data station	UUT 7-9
Type: Controller - Mfr: Fieldserver						
FS-QS	1.6	2.9	4.5	0.4	Gateway protocol converter	UUT 7-9

End of TABLE 3 - SUBCOMPONENTS. Notes, information, and seismic parameters are shown at the beginning of the table.

ATTACHMENT 3: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

UUT 1

Manufacturer: In Compliance Services Inc.

Model number: C-1H

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
8.0	16.0	20.0	43	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly Elliott/NTS)

Report: R83315 (dated 6-6-11), tested on 4-21-11

S_{DS} (g)	H_f / R_{μ}	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

Importance Factor, $I_p = 1.5$: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid using (4) 3/8in Grade 5 bolts into struts (Unistrut P1000) with spring nuts. Panel connects using (4) Hoffman CMFKSS mounting brackets with (1) 3/8in Grade 5 bolt per bracket into panel. Struts are rigidly mounted to fixture.

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Hoffman - NEMA 4X Interior Enclosures (CSD20168SS), Automation Direct - Relay (750-3C-120A), Macromatic - Relay (ARP120AGR).

Testing notes: UUT 1 is listed as UUT 1 Small Control Panel in the test report.



UUT 2

Manufacturer: In Compliance Services Inc.

Model number: C-1X

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
12.0	24.0	30.0	112	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly Elliott/NTS)

Report: R83315 (dated 6-6-11), tested on 4-22-11

S_{DS} (g)	H_f / R_{μ}	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

Importance Factor, $I_p = 1.5$: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid using (4) 3/8in Grade 5 bolts into struts (Unistrut P1000) with spring nuts. Panel connects using (4) Hoffman CMFKSS mounting brackets with (1) 3/8in Grade 5 bolt per bracket into panel. Struts are rigidly mounted to fixture. Interior enclosure is wall mounted rigid to exterior enclosure back plate using (4) 3/8in Grade 5 bolts.

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Hoffman - NEMA 4X Interior Enclosures (CSD20168SS), Saginaw - NEMA 4X Exterior Enclosures with Handle (SCE-30EL2412SSLPPL), Macromatic - Relay (ARP120AGR).

Testing notes: UUT 2 is listed as UUT 1a Small Enclosure in the test report.



ATTACHMENT 3: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

UUT 3

Manufacturer: In Compliance Services Inc.

Model number: C-2S

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
8.0	20.0	24.0	75	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly Elliott/NTS)

Report: R83315 (dated 6-6-11), tested on 4-21-11

S _{DS} (g)	H _f / R _μ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

Importance Factor, I_p = 1.5: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid using (4) 3/8in Grade 5 bolts into struts (Unistrut P1000) with spring nuts. Panel connects using (4) Hoffman CMFKSS mounting brackets with (1) 3/8in Grade 5 bolt per bracket into panel. Struts are rigidly mounted to fixture.

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Saginaw - NEMA 4X Interior Enclosures (SCE-24EL2008SSLP), Square D - Relays (8501-KA91-V20), Seimens - Controllers (KTP-1000).

Testing notes: UUT 3 is listed as UUT 2 Medium Control Panel in the test report.



UUT 4

Manufacturer: In Compliance Services Inc.

Model number: C-2X

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
12.0	30.0	30.0	164	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly Elliott/NTS)

Report: R83315 (dated 6-6-11), tested on 4-22-11

S _{DS} (g)	H _f / R _μ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

Importance Factor, I_p = 1.5: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid using (4) 3/8in Grade 5 bolts into struts (Unistrut P1000) with spring nuts. Panel connects using (4) Hoffman CMFKSS mounting brackets with (1) 3/8in Grade 5 bolt per bracket into panel. Struts are rigidly mounted to fixture. Interior enclosure is wall mounted rigid to exterior enclosure back plate using (4) 3/8in Grade 5 bolts.

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Saginaw - NEMA 4X Interior Enclosures (SCE-24EL2008SSLP), Saginaw - NEMA 4X Exterior Enclosures with Handle (SCE-30EL3012SSLPPL), Square D - Relays (8501-KA91-V20), Seimens - Controllers (KTP-600).

Testing notes: UUT 4 is listed as UUT 2a Medium Enclosure in the test report.



ATTACHMENT 3: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

UUT 5

Manufacturer: In Compliance Services Inc.

Model number: C-6S

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
8.0	30.0	36.0	143	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly Elliott/NTS)

Report: R83315 (dated 6-6-11), tested on 4-21-11

S _{DS} (g)	H _f / R _μ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

Importance Factor, I_p = 1.5: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid using (4) 3/8in Grade 5 bolts into struts (Unistrut P1000) with spring nuts. Panel connects using (4) Hoffman CMFKSS mounting brackets with (1) 3/8in Grade 5 bolt per bracket into panel. Struts are rigidly mounted to fixture.

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Saginaw - NEMA 4X Interior Enclosures (SCE-36EL3008SSLP), Automation Direct - Relay (750-3C-120A), Square D - Relays (9050-JCK11-V20), Siemens - Circuit Breakers (5SJ4218-7HG41), Square D - Motor Starter (GV2-P14H7/6-10A), Seimens - Controllers (KTP-1000).

Testing notes: UUT 5 is listed as UUT 3 Large Control Panel in the test report.



UUT 6

Manufacturer: In Compliance Services Inc.

Model number: C-5X

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
12.0	36.0	42.0	267	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly Elliott/NTS)

Report: R83315 (dated 6-6-11), tested on 4-22-11

S _{DS} (g)	H _f / R _μ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

Importance Factor, I_p = 1.5: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid using (4) 3/8in Grade 5 bolts into struts (Unistrut P1000) with spring nuts. Panel connects using (4) Hoffman CMFKSS mounting brackets with (1) 3/8in Grade 5 bolt per bracket into panel. Struts are rigidly mounted to fixture. Interior enclosure is wall mounted rigid to exterior enclosure back plate using (4) 3/8in Grade 5 bolts.

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Saginaw - NEMA 4X Interior Enclosures (SCE-36EL3008SSLP), Saginaw - NEMA 4X Exterior Enclosures with Handle (SCE-42EL3612SSLPPL), Automation Direct - Relay (750-3C-120A), Square D - Relays (9050-JCK11-V20), Siemens - Circuit Breakers (5SJ4218-7HG41), Square D - Motor Starter (GV2-P14H7/6-10A), Seimens - Controllers (KTP-1000).

Testing notes: UUT 6 is listed as UUT 3a Large Enclosure in the test report.



ATTACHMENT 3: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

UUT 7

Manufacturer: In Compliance Services Inc.

Model number: C-1H

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
8.0	16.0	20.0	52	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly NTS)

Report: R93510 (dated 8-8-13), tested on 9-4-13

S_{DS} (g)	H_f / R_{μ}	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

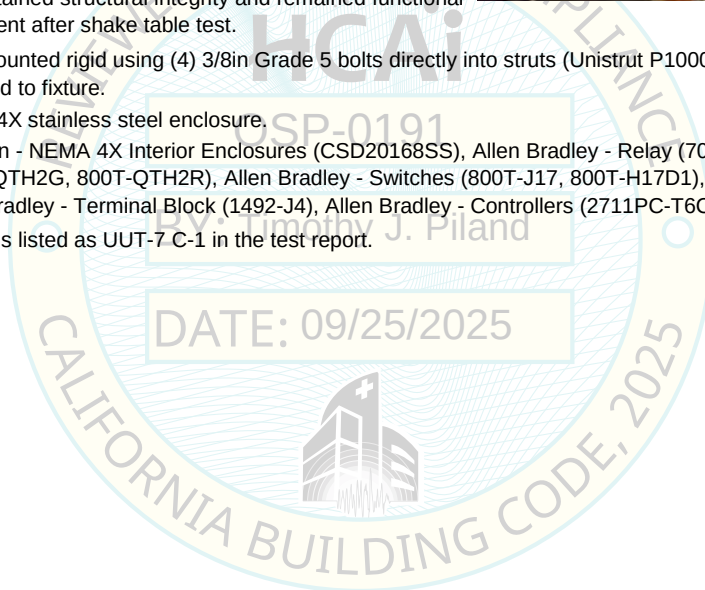
Importance Factor, $I_p = 1.5$: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid using (4) 3/8in Grade 5 bolts directly into struts (Unistrut P1000) with spring nuts. Struts are rigidly mounted to fixture.

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Hoffman - NEMA 4X Interior Enclosures (CSD20168SS), Allen Bradley - Relay (700HC1A1-3-4), Allen Bradley - Pilot Lights (800T-QTH2G, 800T-QTH2R), Allen Bradley - Switches (800T-J17, 800T-H17D1), Allen Bradley - Push Button (800T-A2), Allen Bradley - Terminal Block (1492-J4), Allen Bradley - Controllers (2711PC-T6C20D).

Testing notes: UUT 7 is listed as UUT-7 C-1 in the test report.



DATE: 09/25/2025

ATTACHMENT 3: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

UUT 8

Manufacturer: In Compliance Services Inc.

Model number: C-5X

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
12.0	36.0	42.0	324	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly NTS)

Report: R93510 (dated 8-8-13), tested on 9-4-13

S_{DS} (g)	H_f / R_μ	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

Importance Factor, $I_p = 1.5$: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid using (4) 3/8in Grade 5 bolts into struts (Unistrut P1000) with spring nuts. Panel connects using (4) Hoffman CMFKSS mounting brackets with (1) 3/8in Grade 5 bolt per bracket into panel. Struts are rigidly mounted to fixture. Interior enclosure is wall mounted rigid to exterior enclosure back plate using (4) 3/8in Grade 5 bolts.

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Hoffman - NEMA 4X Interior Enclosures (CSD36308SS), Saginaw - NEMA 4X Exterior Enclosures with Handle (SCE-42EL3612SSLPPL), Allen Bradley - Circuit Breakers (1492-SP2C150), Allen Bradley - Motor Starter (140M-D8E), Allen Bradley - Contactor (100-C23D10), Square D - Pilot Lights (9001-KT38LGG31, 9001-KT38LRR31), Square D - Switch (9001-KS63FBH2), Square D - Push Button (9001-KR1B), Phoenix Contact - Terminal Blocks (UT4, UT4-HESI, UTB 2.5), Allen Bradley - Controllers (2711PC-T10C4D1).

Testing notes: UUT 8 is listed as UUT-8 C-5X in the test report.



ATTACHMENT 3: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

UUT 9

Manufacturer: In Compliance Services Inc.

Model number: C-6H

Unit function: Fuel Oil Control Panel

Serial number: N/A

Dimensions (in)			Weight (lb)	Res. Freq. (Hz)		
Depth	Width	Height		F-B	S-S	V
8.0	30.0	36.0	200	N/A	N/A	N/A

Code & criteria: 2025 CBC, ICC-ES AC156

Test laboratory: Element - Newark (formerly NTS)

Report: R93510 (dated 8-8-13), tested on 9-4-13

S _{DS} (g)	H _f / R _μ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
2.50	3.5 / 1.3	4.00	3.00	1.68	0.68
2.50	1.0 / 1.0				

Importance Factor, I_p = 1.5: Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.

Mounting: Wall mounted rigid to exterior enclosure back plate using (4) 3/8in Grade 5 bolts. See UUT 8 for exterior enclosure

Construction: NEMA 4X stainless steel enclosure.

Subcomponents: Hoffman - NEMA 4X Interior Enclosures (CSD36308SS), Finder - Relay (60.13.8.012.00540), Allen Bradley - Circuit Breakers (1492-SP2C150), Allen Bradley - Motor Starter (140M-D8E), Allen Bradley - Contactor (100-C23D10), Square D - Pilot Lights (9001-KT38LGG31, 9001-KT38LRR31), Square D - Switch (9001-KS63FBH2), Square D - Push Button (9001-KR1B), Phoenix Contact - Terminal Blocks (UT4, UT4-HESI, UTB 2.5), Allen Bradley - Controllers (2711PC-T10C4D1).

Testing notes: UUT 9 is the interior enclosure of UUT 8. UUT 9 is not separately listed in the test report.

