



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-0695

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Otis Elevator

Manufacturer's Technical Representative: Steve Harris

Mailing Address: 1 Farm Springs Rd, Farmington, CT 06032

Telephone: (216) 573-2333

Email: steve.harris@otis.com

Product Information

Product Name: Compass 360 Dispatchers

Product Model Number(s): See Attachment 1

Product Category: Elevator Equipment

Product Sub-Category: Elevator Control Panels

General Description: Component receives user elevator call requests from the user interface and routes the calls to the appropriate elevator car controller.

Mounting Description: Base 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: EASE LLC

Contact Person: Jonathan Roberson

Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709

Telephone: (909) 606-7622

Email: jon@EASECo.com

Title: Principal Engineer



**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: EASE LLC

Name: Jonathan Roberson

California License Number: S4197

Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709

Telephone: (951) 295-1892

Email: jon@EASECo.com

**Certification Method**

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

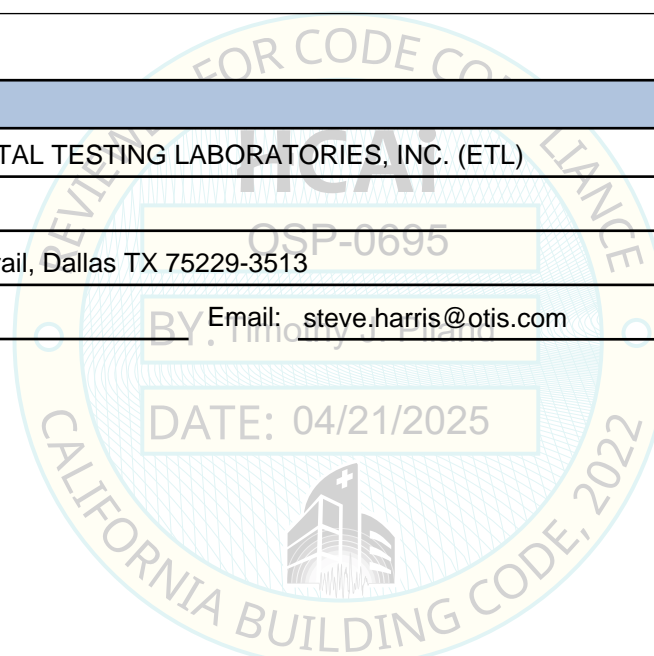
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)

Contact Person: Steve Harris

Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513

Telephone: (972) 247-9657

Email: steve.harris@otis.com





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

Seismic Parameters

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.44 and 1.13

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

$a_p$  (Amplification factor) = 1

$R_p$  (Response modification factor) = 2.5

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

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

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 04/21/2031

Date: 4/21/2025

Name: Timothy Piland

Title: Senior Structural Engineer

Special Seismic Certification Valid Up to: SDS (g) = See Above

$z/h$  = See Above

Condition of Approval (if applicable):

## ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 2

**TABLE 1:**

Manufacturer	Otis Elevator Company							S <sub>DS</sub> = 2.0 at z/h = 1 S <sub>DS</sub> = 2.5 at z/h = 0			
Product Type	Elevator Components										
COMPONENT	PART NUMBER	APPROX. DIMENSIONS (IN.)			APPROX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>
COMPASS DISPATCHERS											
Compass Dispatcher (600W 48V 8 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV5	15.3	7.9	55.0	101.5	Rigid Base	UUT-2006-1	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (300W 48V 5 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV1	15.3	7.9	55.0	101.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (300W 48V 8 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV2	15.3	7.9	55.0	101.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (300W 48V 16 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV3	15.3	7.9	55.0	101.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (600W 48V 5 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV4	15.3	7.9	55.0	101.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (600W 48V 16 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV6	15.3	7.9	55.0	101.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (900W 48V 5 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV7	15.3	7.9	55.0	112.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (900W 48V 8 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV8	15.3	7.9	55.0	112.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (900W 48V 16 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV9	15.3	7.9	55.0	112.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (1200W 48V 5 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV10	15.3	7.9	55.0	112.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (1200W 48V 8 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV11	15.3	7.9	55.0	112.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass Dispatcher (1200W 48V 16 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV12	15.3	7.9	55.0	112.5	Rigid Base	UUT-2006-2	1.44 1.13	1	2 ½	2.0
Compass 360 Dispatcher (1200W 48V 16 PORT ETHERNET) <sup>[2]</sup>	AAB25300AV12	15.3	7.9	55.0	112.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass 360 Dispatcher (600W 48V 16 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV14	15.3	7.9	55.0	102.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0
Compass 360 Dispatcher (1200W 48V 16 PORT ETHERNET) <sup>[2]</sup>	AAB25300AV15	15.3	7.9	55.0	113.5	Rigid Base	INT	1.44 1.13	1	2 ½	2.0

Table continues next page

## ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

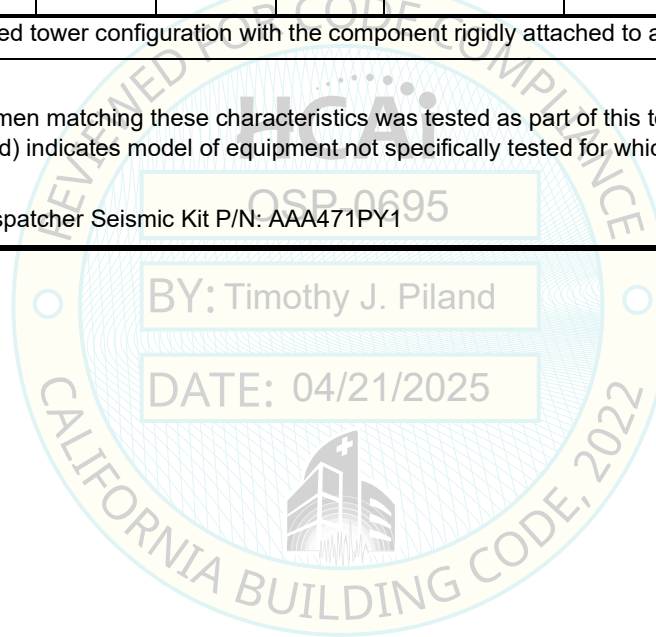
ATTACHMENT PAGE | 2 OF 2

TABLE 1:

Manufacturer	Otis Elevator Company							$S_{DS} = 2.0$ at $z/h = 1$ $S_{DS} = 2.5$ at $z/h = 0$			
Product Type	Elevator Components										
COMPONENT	PART NUMBER	APPROX. DIMENSIONS (IN.)			APPROX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	$F_P/W_P$	$a_P$	$R_P$	$\Omega_0$
		W	D	H							
Compass 360 Dispatcher (1200W 48V 16 PORT ETHERNET) <sup>[2]</sup>	AAA25300AV15	15.3	7.9	55.0	113.5	Rigid Base	UUT-2406-6	1.44 1.13	1	2 ½	2.0
Mount	RIGID BASE: free-standing, base-mounted tower configuration with the component rigidly attached to a supporting structure and no lateral support above the base.										
Notes	<div>1. BASIS:<ul style="list-style-type: none"><li>• UUT#: Indicates that a test specimen matching these characteristics was tested as part of this testing program.</li><li>• "INT" (Interpolated or Extrapolated) indicates model of equipment not specifically tested for which seismic qualification is established through testing of similar models in the product line.</li></ul></div> <div>2. Requires use of OTIS Compass Dispatcher Seismic Kit P/N: AAA471PY1</div>										

BY: Timothy J. Piland


DATE: 04/21/2025






## ATTACHMENT 2: TEST SPECIMEN SUMMARY


ATTACHMENT PAGE | 1 OF 2

UUT-2006-1 Compass Dispatcher (600W 48V 8-Port Ethernet)						
<b>Manufacturer:</b> OTIS						
<b>Identification:</b> Part No.: AAA25300AV5 Serial No.: None						
<b>Description:</b> Component receives user elevator call requests from the user interface and routes the calls to the appropriate elevator car controller.  Includes mounting bracket which is seismic kit with P/N: AAA471PY1  Weight includes mounting bracket.						
<b>Mounting:</b> Rigid Base (Floor) mounted using (4) – 3/8" dia. SAE J429 Grade 5 Hex Head Bolts w/ Standard Washers.						
Dimensions [in]				Lowest Resonant Frequency [Hz]		
Width	Depth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
15.3	7.9	55.0	101.5	25.2	18.8	42.8
ICC-ES AC156 Shake Table Test Parameters						Code: 2019 CBC
S <sub>DS</sub> [G]	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> [G]	A <sub>RIG-H</sub> [G]	A <sub>FLX-V</sub> [G]	A <sub>RIG-V</sub> [G]
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-2006-2 Compass Dispatcher (1200W 48V 16-Port Ethernet)						
<b>Manufacturer:</b> OTIS						
<b>Identification:</b> Part No.: AAA25300AV12 Serial No.: None						
<b>Description:</b> Component receives user elevator call requests from the user interface and routes the calls to the appropriate elevator car controller.  Includes mounting bracket which is seismic kit with P/N: AAA471PY1  Weight includes mounting bracket.						
<b>Mounting:</b> Rigid Base (Floor) mounted using (4) – 3/8" dia. SAE J429 Grade 5 Hex Head Bolts w/ Standard Washers.						
Dimensions [in]			Weight [lb]	Lowest Resonant Frequency [Hz]		
Width	Depth	Height		Front - Axis	Side - Axis	Vert - Axis
15.3	7.9	55.0		21.3	17.9	>50
ICC-ES AC156 Shake Table Test Parameters						Code: 2019 CBC
S <sub>DS</sub> [G]	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> [G]	A <sub>RIG-H</sub> [G]	A <sub>FLX-V</sub> [G]	A <sub>RIG-V</sub> [G]
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 2 OF 2

UUT-2406-1 Compass Dispatcher (1200W 48V 16 Port Ethernet EGIS & ECALL)							
Manufacturer: OTIS							
Identification: Part No.: AAA25300AV15 Serial No.: C64310C							
Description: Component receives user elevator call requests from the user interface and routes the calls to the appropriate elevator car controller. 1200W 48V 16 Port Ethernet EGIS & ECALL Enclosure: 16-gauge galvanized steel  Includes mounting bracket which is seismic kit with P/N: AAA471PY1  Weight includes mounting bracket.							
Mounting: Rigid Base (Floor) mounted using (4) – 3/8" dia. SAE J429 Grade 5 Hex Head Bolts w/ Standard Washers. (Torque =30-ft-lb)							
Dimensions [in]				Lowest Resonant Frequency [Hz]			
Width	Depth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis	
15.3	7.9	55.0	113.5	23.77	22.28	>50	
ICC-ES AC156 Shake Table Test Parameters							Code: 2019 CBC
S <sub>DS</sub> [G]	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> [G]	A <sub>RIG-H</sub> [G]	A <sub>FLX-V</sub> [G]	A <sub>RIG-V</sub> [G]	
2.0	1	1.5	3.20	2.40	1.68	0.68	
2.5	0						
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.							