

	OFFICE USE ONLY					
APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP – 0509 – 10				
OSHPD Special Seismic Certification Preapproval (OSP)						
Type: 🛛 New 🗌 Renewal						
Manufacturer Information						
Manufacturer: Siemens Healthcare GmbH, Diagnostic Imaging, Com	outed Tomography					
Manufacturer's Technical Representative: Ottmar Förstel						
Mailing Address: Siemensstr. 1, 91301 Forchheim, Germany						
Telephone: <u>+49 9191 – 18 8761</u> Email: <u>ottmar</u>	foerstel@siemens.com					
Product Information						
Product Name: SOMATOM Confidence CT System						
Product Type: Computed Tomography (CT) medical imaging system	I					
Product Model Number: <u>See Attachment</u> (List all unique product identification numbers and/or part numbers)						
General Description: Multiple component system for producing Com	puted Tomography (CT) medical images for a				
wide variety of medical diagnostic results. Patient weight shall not ex	ceed 374 lbs.					
Mounting Description: Rigid floor mounted.						
Applicant Information						
Applicant Company Name: W.E. Gundy & Associates, Inc.						
Contact Person: Travis Soppe, SE						
Mailing Address: _ 250 Bobwhite Ct, Suite 100, Boise, ID 83706						
Telephone: (208) 342-5898 Ext. 115 Email: tsoppe	@wegai.com					
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2016.	Planning and Develo	opment review fees in				

Signat	ure of Applicant:	Travis Sp	Date:	03-03-2017
Title:	Vice President	Company Name:	W.E. Gundy & Associates, Inc.	
"Access t	o Safe, Quality Healthcare En	vironments that Meet California's Diverse and Dynamic Needs"	. h. All Ala	OSHPD



California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)							
Company Name: W.E. Gundy & Associates, Inc.							
Name: Travis Soppe, SE California License Number: S6115							
Mailing Address: 205 Bobwhite Ct, Suite 100, Boise, ID 83706							
Telephone: <u>(208) 342-5898 Ext. 115</u> Email: <u>tsoppe@wegai.com</u>							
Supports and Attachments Preapproval							
 Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required) Supports and attachments are not preapproved 							
Certification Method							
 ☑ Testing in accordance with: ☑ ICC-ES AC156 ☑ Other (Please Specify):							
Testing Laboratory							
Company Name: IABG mbH							
Contact Name: Dr. Steffen Roedling							
Mailing Address: Einsteinstrasse 20, Ottobrunn, Germany D-85521							

Telephone: __+49 (0) 89 / 6088-2052 Email: <u>roedling@iabg.de</u>





OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters	
--------------------	--

Design in accordance with ASCE 7-10 Chapter 13: 🛛 Yes 🗌 No
Design Basis of Equipment or Components (Fp/Wp) = See attachment
S_{DS} (Design spectral response acceleration at short period, g) = 2.0 for z/h = 1.0 and 2.5 for z/h = 0
a _p (In-structure equipment or component amplification factor) = <u>See attachment</u>
R _p (Equipment or component response modification factor) = <u>See attachment</u>
Ω_0 (System overstrength factor) = _See attachment
I_p (Importance factor) = 1.5
z/h (Height factor ratio) = 1.0 at S _{DS} = 2.0g and 0 at S _{DS} = 2.5g
Equipment or Component Natural Frequencies (Hz) = <u>See attachment</u>
Overall dimensions and weight (or range thereof) = See attachment
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: 🗌 Yes 🛛 No
Design Basis of Equipment or Components (V/W) =
S _{DS} (Design spectral response acceleration at short period, g) =
S_{D1} (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient) =
Ω_0 (System overstrength factor) =
C _d (Deflection amplification factor) =
$I_{\rm p}$ (Importance factor) = 1.5
Height to Center of Gravity above base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
Tank(s) designed in accordance with ASME BPVC, 2015: Yes No
List of Attachments Supporting Special Seismic Certification
🛛 Test Report(s) 🗌 Drawings 🔲 Calculations 🖾 Manufacturer's Catalog
✓ Other(s) (Please Specify): Certified System Matrix, UUT Summary Sheets, Subcomponent Certification Letter
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022
Signature: Min III Date: April 5, 2017
Print Name: Timothy J. Piland Title: SSE
Special Seismic Certification Valid Up to : $S_{DS}(g) = See Above$ $z/h = See Above$
Condition of Approval (if applicable): Patient weight shall not exceed 374 lbs.
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15) Page 3 of 3

SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Siemens Healthcare GmbH

System: SOMATOM Confidence CT System

System Component	Siemens	Dimensions (in)			Weight	Mounting	UUT
System Component	Part Number	Width	Length	Height	(lb)	Mounting	001
SOMATOM Confidence Gantry	10590100	93.7	36.8	78.0	4523	floor	UUT-1
PHS-1b Patient Table	10643655	29.5	96.3-159.3	19.7-36.2	845 ²	floor	UUT-2

1) All components are manufactured by Siemens Healthcare GmbH unless noted otherwise. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.

2) Patient table weight does not include 374lb simulated patient weight included during seismic test.

SEISMIC CERTIFICATION LIMITS								
System Component	Code	S _{DS} (g)	z / h	Ip	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$
SOMATOM	2016 E 7-10	2.0	1.0	1.50	1.0	1.5	1.5	2.40
Confidence Gantry		2.5	0					1.13
PHS-1b Patient Table	CBC ASCF	2.0	1.0	1.50	1.50 1.0	1.5	1.5	2.40
		2.5	0					1.13

UUT-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - M16 bolts



 CDC 2010 / ICC-LS AC150
 2.50
 0.0
 1.5
 1.67
 0.67

 Note: The unit was full of contents during testing and remained fuctional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.
 0.67

1.5

3.20

2.40

1.0

2.00

CBC 2016 / ICC-ES AC156

UUT-2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid Floor mounted with 4 - M10 bolts



maintained structural integrity during and after the ICC-ES AC156 Test.