

## DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0750
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Philips Healthcare (Suzhou) Co. Ltd.	
Manufacturer's Technical Representative: Bret Wu	
Mailing Address: 258, Zhong Yuan Road, Suzhou, China 215024	
Telephone: 15040292470 Email: Bret.wu@phi	ilips.com
Product Information	Mp
Product Name: CT Systems	E.
Product Type: NA	2
Product Model Number: CT 3500	m
General Description: Computed Tomography (CT) Medical Imaging	System O
Mounting Description: Rigid, Floor Mounted	
APPLICATION PREAPPROVAL (OSP)     Special Seismic Certification Preapproval (OSP)     New   Renewal     Infacturer Information     facturer'   Philips Healthcare (Suzhou) Co. Ltd.     facturer's Technical Representative:   Bret Wu     g Address:   258, Zhong Yuan Road, Suzhou, China 215024     hone:   15040292470     Email:   Bret.wu@philips.com     uct Information   Email:     ct Type:   NA     osP-0750   OSP-0750     tiddel Number:   CT 3500     atal Description:   Computed Tomography (CT) Medical Imaging System     ting Description:   Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.     ctat Information   Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.     ctat Information   Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.     ctat Information   Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.     ctat Information	
Applicant Company Name: TRU Compliance, by Structural Integrity Ass	ociates
Contact Person: Daniel Zentner	
Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702	
Telephone: (541) 292-5839 Email: dzentner@st	ructint.com
Title: Program Manager	



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OSP-0750



# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.
Name:     LACHEZAR HANDZHIYSKI     California License Number:     S6515
Mailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138
Telephone: (669) 437-0200 Email: Lhandzhiyski@StructInt.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE CO
Testing Laboratory
Company Name: CHINA TELECOMMUNICATION TECHNOLOGY LABS (CTTL)
Contact Person: Ying Deng
Mailing Address: No. 299 Tengfei Road, Industrial Park, Lianchi District, Baoding, Hebei, China
Telephone: (+86) 0312-6798950 Email: dengying@caict.ac.cn
<b>DATE:</b> 03-04-2024
PVI
DATE: 03-04-2024



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#### Seismic Parameters

Desig	n Basis of Equipment or Components	(Fp/Wp) =			0, z/h=1); 1.13 (SDS = 2.5, z/h=0); 2.00, z/h=1); 1.13 (SDS = 2.50, z/h=0)
	SDS (Design spectral response accele	eration at s	hort period, g) = $2.0 (z/h =$	= 1); 2.5 (z/	h = 0)
	ap (Amplification factor) =	1.0			
	Rp (Response modification factor) =	1.5 (CT G	antry & Couch); 2.5 (Cons	oles & Hos	t Rack)
	$\Omega_0$ (System overstrength factor) =	2.0			
	Ip (Importance factor) =	1.5			
	z/h (Height ratio factor) =	1 and 0			
	Natural frequencies (Hz) =	See Attac	hment ODE		
	Overall dimensions and weight =	See Attac	hment		
HCAI	Approval (For Office Use Only) -	Approval	HCAi Expires on 03/04/2030	The CE	
Date:	3/4/2024			1	
Name	: Timothy Piland	BY:	Timothy J Piland	Title:	Senior Structural Engineer
Specia	al Seismic Certification Valid Up to: St	os (g) = _S	ee Above	z/h =	See Above
Condi	tion of Approval (if applicable):			No.	
		PRNIA	BUILDING COT	K-V	



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### SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TABLE 1			.td.	iznou) Co., l	lips Healthcare (Su 3500	
I					<b>tion Summary:</b> with plastic cover on steel enclosure.	<b>Certified Product Constru</b> Gantry: Carbon steel frame Console & Host rack: Carb Couch: Carbon steel frame
		n Panels.	o (2) Toucl	Panels or tw		<b>Certified Options Summa</b> Gantry available with eithe
se tested.	to those tested.	E CO nd stiffness	COD nt strength a	n and equivale	e of similar configuratio	Mounting Configuration: Base mounted - rigid Note: Installed mounting must b
$S_{DS} = 2.0 g z/h=1.0$ $S_{DS} = 2.5 g z/h=0.0$ $I_{P} = 1.5$		n Limits:	ertificatio	Seismic C	1 H	Building Code: CBC 2022
NOTES UL	Weight (lbs.)	in) Height	vensions ( Width	Din Depth	Model	Model Line
		⊃; 76.5	87.1	R\38.5	CT64PGA100	CT3500 Gantry
3 Standard 2	33 Stan	18.0	19.3	7.0	CTCADC A200	Kun Dana Canaala
8 Premium 3	58 Pren	17,5	21.7	8.5	CT64PGA300	KunPeng Console
22 4	122	29.8	34.7	16.9	Host Rack 01	Host Rack 01
8 <sup>2</sup> 5	838 <sup>2</sup>	34.3	161.0	25.2	CT64PVA200	CT3500 Couch
CN/	4.	<u>NNN</u>			- Tô	
	22/	MARINE	WATA	NT		
		NG	ת וול	B		
I						Notes:
during testing.	sent during tes				•	Notes: 1. UUT1 was tested with or 2. CT3500 Couch weight do





	Unit Description	Report Number	Testing Lab	Year Tested	ISO 17025 Accredited?	S <sub>DS</sub>	z/h	I <sub>P</sub>
1	CT3500 Gantry	No. B22X80516 (UUT1)	CTTL	2022	Yes	2.0 2.5	1.0 0.0	1.
2	KunPeng Standard Console	No. B22X80516 (UUT2)	CTTL	2022	Yes	2.0 2.5	1.0 0.0	1.
3	KunPeng Premium Console	No. B22X80516 (UUT3)	CTTL	2022	Yes	2.0 2.5	1.0 0.0	1.
4	Host Rack 01	No. B22X80516 (UUT4)	RCAREC	2022	Yes	2.0 2.5	1.0 0.0	1.
5	CT3500 Couch	No. B23X81964 (UUT1)	CTTL	2023	Yes	2.0 2.5	1.0 0.0	1.
		L.	OSP-0750		NCE			
		BY: 1	rimothy J Pilano					
		P			200			
		Contin		No.				
		VIAL	BUILDING	9				
tes:								

#### 2200604-CR-001-R1



Manufacturer:	Philips Healthcare (Su	zhou) Co., Ltd.						
Model Line:	CT 3500					1	JUT	1
Model Number:	CT64PGA100							
Serial Number:	N/A			Test Report:	No. B22	X80516 (	UUT1)	
	,	UU	T Properties					
Weight		Dimension (in	ı)	Low	est Natura	l Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front-Bac	k Side	e-Side	Ver	tical
4,131	38.5	87.1	76.5	9.99	1!	5.25	30	.50
	UU	T Highest Pass	ed Seismic Run Inf	ormation	÷			
Building Code	Test C	riteria	S <sub>DS</sub> (g)	z/h l,	P A <sub>FLX-H</sub> (g	) A <sub>RIG-H</sub> (g	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g
CBC 2022		AC156 OR	002.0	1.0 1.	E 2.20	2.40	1.69	0.68
CBC 2022	ICC-ES	ACISO	2.5	0.0	5 3.20	2.40	1.68	0.08
Product Constructio	on Summary:		Test Mounting	Details:				-
Carbon Steel Framin	g. Plastic Cover.			4				
	S	<u> 111111111111111111111111111111111111</u>		2		_		
	4	0	SP-07 <del>Fo</del> uch	C.			Physic	al
	-		Panel				Pane	I
Options/Subcompo	nent Summa <mark>ry:</mark>	BY: Time	othy J Piland					
Description	Part Nu	mber		Interior		-		
Physcial Panel (1)	N/A	DATE.	2 01 2024		PHILIPS		)	
Touch Panel (1)	N/A	DATE.	7 <b>0</b> - <b>0</b> 4-2024	NA B				
	E.			Star De				
	1 T	ANNNANN		VI.V/	Contra la	- Of	1200	
		O, UNIT		OV/-				-
		Vi				- 1	- 1	
		BU	DING		-			f.
				1				
			-				-	
								l.
					A REAL PROPERTY AND		2	
					-			10
								A
			1					
			UUT1 was base n					
			8.8 screws. The fi		nected to the	e table us	ing eight	(8) M16
			Grade 8.8 screws					
			Unit maintained					
			manufacturer rec				ntents we	re
			included in testir	ig per operatin I Compliance.				

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Manufacturer:	Philips Hea	lthcare (Suz	rhou) Co., Ltd.						
Model Line:	, CT 3500	,	, ,				L	JUT	2
Model Number:	CT64PGA30	0 (Standard	(Console)						
Serial Number:	N/A		,		Test Repor	<b>t:</b> No. B22	X80516 (l	JUT2)	
			UUT	Properties					
Weight			Dimension (in)	-	Lo	owest Natura	l Freque	ncy (Hz)	
(lbs.)		Depth	Width	Height	Front-Ba		-Side		tical
33		7.0	19.3	18.0	20.51	>3	3.33	>33	3.33
		UU	T Highest Passe	d Seismic Run Info	ormation				
Building Cod	e	Test C		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)
			20	002.0	1.0				
CBC 2022		ICC-ES	AC156	2.5 0	0.0	1.5 3.20	2.40	1.68	0.68
Product Construct	ion Summary	:		Test Mounting	1		1		
Standard Console. (					ASI				
		121	MWMMM		1-2	and the second distance	-	-	
		H	OS	P-0750	C				
						- Ander			
Options/Subcomp	onent Summa	ry:	BY: Timot	hy J Piland	The second		//		
Description		Part Nur		Ty or name			<del>.</del>	-	
N/A		N/A	DATE			121	18		
			DATE: 0	3-04-20 <b>24</b>			1		
		12.0			O D	A de la			
		17			S'V/				
		9			$\delta^{\vee}$				
			VIA		)//				
			BUI	DIN	*			1	
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					111.				
						•	-		
				-			à	200	
				-					
				-					
				UUT2 was base m	nounted - rig	id to the fixtur	e using fo	ur (4) M1	0 Grade
				8.8 screws. The fix	-		-		
				Grade 8.8 screws.					
				Unit maintained s					
				manufacturer req				itents we	re
				included in testin	g per operat	ing conditions			



Manufacturer: Pl	hilips Healthcare (Suz	hou) Co., Ltd.							
	T 3500						L	JUT	3
Model Number: C	T64PGA300 (Premium	Console)							•
Serial Number: N				Test Repo	ort:	No. B22	X80516 (L	JUT3)	
		UUT	Properties						
Weight		Dimension (in)			Lowest	Natura	Freque	ncy (Hz)	
(lbs.)	Depth	Width	Height	Front-	Back	Side	-Side	Ver	tical
58	8.5	21.7	17.5	11.5	52	27	.73	>33	3.33
	UU	T Highest Passed	d Seismic Run Info	ormation					
Building Code	Test Ci	riteria	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)
CDC 2022	100 50	ACTEC OP (	002.0	1.0					
CBC 2022	ICC-ES	AC156	2.5	0.0	1.5	3.20	2.40	1.68	0.68
<b>Product Construction S</b>	ummary:		Test Mounting	Details:			•		
Premium Console. Carbo	on Steel Enclosure.			K					
	S			2					
	4	OS	P-0750	1 C	21				
			IN DEL		· 1.				1
<b>Options/Subcomponen</b>	t Summa <mark>ry:</mark>	BY: Timot	hy J Piland			199		- C	-
Description	Part Nur	nber		$\Delta $				-	
N/A	N/A	DATE: O	2 01 2024						
		DATE. 0.	0-04-2024		Non and a second			and a	
				20	4	24	5		
	1.2			Vu.	-		R.		
			S AR ODDA	,OV			1	4	-
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		· BUI	DING				1255		
							1300		
				-	£.	- 2	11.		-
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			_						
			]						
			UUT3 was base m		-		-		
			8.8 screws. The fix Grade 8.8 screws.		connect	ed to the	table usi	ng tour (4	4) M16
			Unit maintained s		ntegrity	and rem	ained fur	nctional r	her
			manufacturer req						
			included in testin						-

#### 2200604-CR-001-R1



Manufacturer:	Philips Healthcare (Su	zhou) Co., Ltd.						
Model Line:	CT 3500	, ,					JUT	4
Model Number:	Host Rack 01							
Serial Number:	N/A			Test Report:	No. B22	X80516 (L	IUT4)	
		רטט	Properties					
Weight		Dimension (in)		Lowe	st Natural	Freque	ncv (Hz)	
(lbs.)	Depth	Width	Height	Front-Back		-Side		tical
122	16.9	34.7	29.8	11.72		.34	>33	3.33
	UU	T Highest Passe	d Seismic Run Inf	ormation				
Building Cod		riteria	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)
CBC 2022		AC156 OR C	2.5	1.0 0.0 1.5	3.20	2.40	1.68	0.68
Product Construct	ion Summary:		Test Mounting	Details:	_	-		
Carbon Steel Enclos	Ref.	OS	P-07 <mark>50</mark>	A COL			100	1
Options/Subcomp	onent Summa <mark>ry:</mark>	BY: Timot	hy J Piland	- Parties Co				
Description	Part Nu	mber			and the owner where the owner w			1
		PAVIA BUI	3-04-2024	Pt-10				
			UUT4 was base m 8.8 screws. The fi Grade 8.8 screws. Unit maintained s manufacturer rec included in testin	xture was conne structural integri quirement after s	cted to the ty and rem hake table conditions.	table usi ained fur test. Cor	ng eight nctional p itents we	(8) M16 oer re

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Manufacturer:	Philips Healthcare (Su	ızhou) Co., Ltd.							
Model Line:	CT 3500							JUT	5
Model Number:	CT64PVA200								•
Serial Number:	N/A			Test Re	port:	No. B23	X81964 (l	JUT1)	
		UU	T Properties						
Weight		Dimension (in	ı)		Lowes	t Natura	l Freque	ncy (Hz)	
(lbs.) <sup>1</sup>	Depth	Width	Height	Front	t-Back	Side	-Side	Ver	tical
1,191	25.2	161.0	34.3	7.	.62	12	2.69	7.	.81
	UL	JT Highest Pass	ed Seismic Run Inf	ormatio	n				
Building Cod	e Test C	Criteria	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
		ACTECOR	002.0	1.0	1.5				
CBC 2022	ICC-ES	SAC156	2.5	0.0	1.5	3.20	2.40	1.68	0.68
Product Construct	on Summary:		Test Mounting	Details:					
Q235 Carbon Steel F	rame. Plastic Cover.			A G					
	S				2				
	4	0	SP-0750		3				
					11.				
Options/Subcompo	onent Summa <mark>ry:</mark>	BY: Time	othy J Piland	1	-51		E E		二片
Description	Part Nu	ımber		-13	5	112	-	of the local division in which the local division in the local div	1
V/A	N/A	DATE.	2 00 0024	-17					
	P	DATE.	73-04-2024		X	-	-		1
	F.		THE	~~	5/7		13	12	
		CERERER IN			the 1	2	1	Rest.	ALC:
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		VIA	The ZC			1		10/	XXX
		BU	DING		<b>B</b> BB	0			1 .
					ST/L			11	in the
			- ALANT	-	-11	dia .			-
			1.	1	1923			1	-
				1000		/	-		
					/				
Test Mounting Deta	ails:		160	lkα	1		<u>۱</u>		
			Counte	-				1	
-	d is the total weight. Ir	ndividual		0.1			C1	Г3500 Co	uch
details are as	follows:								,
Couch: 838.0			UUT5 was base n	nounted -	rigid to	the fixture	e using fo	our (4) M1	6 Grade
Counterweig	n: 352.8 lbs.		8.8 screws. The fi						
			Grade 8.8 screws						
			Unit maintained		-				
			manufacturer rec					ntents we	re
			included in testir		-	onditions			