

APPLICATION FOR OSHPD SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP) APPLI	CATION #: OSP - 0394
OSHPD Special Seismic Certification Preapproval (OSP)	
Type: ☐ New ⊠ Renewal	
Manufacturer Information	
Manufacturer: GE Healthcare	
Manufacturer's Technical Representative: Tom Farnow	
Mailing Address: 3000 N. Grandview Blvd., Waukesha, WI 53188-1696	
Telephone: 888-406-1101 Email: Tom, Farnow@	Ogehcseismic.com
Product Information	
Product Name: Revolution CT / Revolution CT ES / Revolution Ape	E.
Product Type: Computed Tomography (CT) system P-0394	(C)
Product Model Number: See Attachment 1 (List all unique product identification numbers and/or part numbers)	
General Description: System components of multiple-component Computed imaging systems. Seismic enhancements made to the test units and modifice observed during the tests shall be incorporated into the production units.	
Mounting Description: Rigid base mounted.	20
Applicant Information	
Applicant Company Name: EASE LLC	
Contact Person: Jonathan Roberson, S.E.	
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA 91709	
Telephone: (406) 541-EASE (3273) Email: j.roberson@ea	aseco.com
I hereby agree to reimburse the Office of Statewide Health Plannir accordance with the California Administrative Code, 2016.	ng and Development review fees in
Signature of Applicant:	Date: _12/18/2018
Title: Principal Engineer Company Name: EASE LLC	
	OCHIDO

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: EASE LLC
Name: Jonathan Roberson, S.E. California License Number: S4197
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA 91709
Telephone: (909) 606-7622 Email: <u>j.roberson@easeco.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: ☐ Other (Please Specify): OSP-0394
BY:Timothy J Piland
Testing Laboratory DATE: 01/08/2021
Company Name: Environmental Testing Laboratory, Inc.
Contact Name: Brady Richard
Mailing Address: 11034 Indian Trail, Dallas, TX 75229-3513
Telephone: (972) 247-9657 Email: brady@etldallas.com



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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 (F _p /W _p) = See Attachment 1, Table 4
S _{DS} (Design spectral response acceleration at short period, g) = See Attachment 1, Table 4
a _p (In-structure equipment or component amplification factor) = See Attachment 1, Table 4
R _p (Equipment or component response modification factor) = See Attachment 1, Table 4
$Ω_0$ (System overstrength factor) = See Attachment 1, Table 4
I _p (Importance factor) = 1.5
z/h (Height factor ratio) = See Attachment 1, Table 4
Equipment or Component Natural Frequencies (Hz) = See Attachment 2
Overall dimensions and weight (or range thereof) = See Attachment 1, Tables 1, 2 & 3
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 respon <mark>se acc</mark> eleration at short period, g) =
S _{D1} (Design spectral response acceleration at 1 second period, g) =
R (Response modificatio <mark>n coe</mark> fficient) =
Ω ₀ (System overstrength factor) = By:Timothy J Piland
C₀ (Deflection amplificati <mark>on fa</mark> ctor) =
I_p (Importance factor) = 1.5 DATE: 01/08/2021
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): Attachments 1 & 2
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025
1./ 1 00
Signature: Date: January 8, 2021
Print Name: Timothy J. Piland Title: SSE
Special Seismic Certification Valid Up to : S _{DS} (g) = <u>See Above</u> z/h = <u>See Above</u>
Condition of Approval (if applicable):

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1: SEISMIC CERTIFIED SYSTEMS & COMPONENTS

Manufacturer C	SE HEALTHCARE							
System F	REVOLUTION CT							
		MODEL	APPR	OX. DIMENSI	IONS (IN.)	MAX. WT.		
COMPONENT		NUMBER	W	D	H	(LB.)	MOUNT	BASIS [1]
GANTRIES	[7]							
Revolution CT	Gantry	5590000	93.1	56.2	78.9	6335	Floor	UUT-1
Revolution CT	Gantry	5590000-2	93.1	56.2	78.9	6335	Floor	SAME
Revolution CT	Gantry	5590000-6	93.1	56.2	78.9	6335	Floor	UUT-C1
Revolution CT	Gantry	5590000-7	93.1	56.2	78.9	6335	Floor	SAME
PATIENT TABL	LES [7]							
NG 2000 Table)	5201910	24	114	30	1760 [2]	Floor	UUT-2
NG 2000 Table)	5201910-2	R 240 [F 114	30	1760	Floor	SAME
NG 2000 Table)	5201910-6	24	114	30	1760 ^[3]	Floor	UUT-A2
NG2000V Patie	ent Table	5765282	24	130	49	1576 ^[3]	Floor	UUT-F1807-2
NG1700V Patie	ent Table	5786623	24	118	49	1523 ^[3]	Floor	UUT-F1807-3
CONSOLES	/	3						
Scanner Deskt	op Assembly	5480177	\$18.5_	28.375	25.8	157	Floor	UUT-3
Scanner Deskt	op Assembly (HP Z420)	5641778	18.5	29.0	25.8	135	Floor	UUT-B1
Open Console	(HP Z420)	5737200	14.57	21.85	22.75	105	Floor	UUT-D1
Open Console	(HP Z440)	5737200-5	14.65	22.28	22.5	105	Floor	UUT-E2
Scanner Deskt	op III (Open Console)	5737200-10	14.8	19.9	22.7	106	Floor	UUT-G1917-1
SYSTEM CABI	NETS	DATE:	01/08/2	2021				
Rev System Ca (Avnet Technol	abinet [7] logies Solutions)	6161000	25	48	59	701 [4]	Floor	UUT4
Revo System C	Cabinet [7]	6162000	24	48.42	55.71	659	Floor	UUT-A1
System Cabine	et ^[7]	6163000	24	48.42	55.71	706	Floor	UUT-C2
System Cabine	et ^[7]	6163000-2	24	48.42	55.71	706	Floor	SAME
System Cabine	et IV	6164000	B [24]	50.9	55.8	736 ^[6]	Floor	UUT-F1807-6
POWER DISTR	RIBUTION							
Power Distribut	tion Unit	2326492-61	27.6	21.7	41.8	818	Floor	UUT-5
Power Distribut	tion Unit	2326492-91	27.6	21.7	41.8	955 ^[6]	Floor	UUT-F1807-4
	Floor (Rigid Base): free-sta	anding, base-mounte	d condition w	th the compor	nent rigidly attacl	ned to a support	ing structure	e and no lateral
	1. BASIS: • UUT#: Indicates to the second of the second	physically, mechanically of GE manufacturing does not include the does not include the abinet does not include the above are manufacturing seismic mounting.	ally & electrica ng location. 500 lb. simula 675 lb. simula de 10lb. weigh tured by GE H ng brackets.	Ily the same a ated patient loa ated patient loa t of brackets u lealthcare unle	as test specimen. ad present durin ad present durin used to anchor the ess otherwise no	Difference is lir g testing. g testing te test specimer	nited to mod	

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2: SEISMIC CERTIFIED SYSTEMS & COMPONENTS

Manufacturer	GE HEALTHCARE							
System	REVOLUTION CT ES							
		MODEL	APPF	ROX. DIMENSIO	ONS (IN.)	MAX. WT.		
COMPONENT		NUMBER	W	D	Н	(LB.)	MOUNT	BASIS [1]
GANTRIES	[7]							
Revolution C	CT ES Gantry	5590000-15	93.1	56.2	78.9	6218	Floor	UUT-E1
Revolution C	CT ES Gantry	5590000-16	93.1	56.2	78.9	6218	Floor	SAME
PATIENT TA	BLES [7]							
NG 2000 Ta	ble	5201910-2	24	114	30	1760	Floor	SAME [4]
NG 2000 Ta	ble	5201910-6	24	114	30	1760 ^[3]	Floor	UUT-A2
NG2000V Pa	atient Table	5765282)R 24 UL	130	49	1576 ^[3]	Floor	UUT-F1807-2
NG1700V Pa	atient Table	5786623	24	118	49	1523 ^[3]	Floor	UUT-F1807-3
CONSOLES			SCII					
Open Conso	ole (HP Z420)	5737200	14.57	21.85	22.75	105	Floor	UUT-D1
Open Conso	ole (HP Z440)	5737200-5	14.65	22.28	22.5	105	Floor	UUT-E2
Scanner Des	sktop III (Open Console)	5737200-10	S _{14.8} O	3949.9	22.7	106	Floor	UUT-G1917-1
SYSTEM CA	BINETS	///////////////////////////////////////			WXXXXXXX			
System Cab	inet [7]	6163000 Tir	no (24)/	48.42	55.71	706	Floor	UUT-C2
System Cab	inet [7]	6163000-2	24	48.42	55.71	706	Floor	SAME
System Cab	inet IV	6164000	24	50.9	55.8	736 ^[6]	Floor	UUT-F1807-6
System Cab	inet V 80	6164000-2	24.20/	53.5	55.9	597 ^[6]	Floor	UUT-G1917-2
POWER DIS	TRIBUTION	C	1		10			
Power Distril	bution Unit	2326492-61	27.6	21.7	41.8	818	Floor	UUT-5
Mount	Floor (Rigid Base): free-sta support above the base.	anding, base-mounte	ed condition w	rith the compone	ent rigidly attach	ned to a support	ing structure	e and no lateral
Notes	1. BASIS: UUT#: Indicates the SAME: Model is properties of the S	hysically, mechanica d/or GE manufacturi does not include the does not include the able 1. I above are manufac ding seismic mountii	ally & electricang location. 500 lb. simul 675 lb. simul tured by GE Ing brackets.	ally the same as ated patient loa ated patient loa Healthcare unles	test specimen. d present during d present during ss otherwise no	Difference is lirg testing.		

Phone (909) 606-7622 | OSP@EaseCo.com Page 5 of 18

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GE HEALTHCARE

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 3: SEISMIC CERTIFIED SYSTEMS & COMPONENTS

Manufacturer	GE HEALTHCARE							
System	REVOLUTION APEX							
		MODEL		OX. DIMENSI		MAX. WT.		
COMPONENT	Γ	NUMBER	W	D	Н	(LB.)	MOUNT	BASIS [1]
GANTRIES	[7]							
Revolution	Apex Gantry	5590000-20	90.3	52.4	79.9	6170	Floor	UUT-F1807-1
Revolution	Apex Gantry	5590000-21	90.3	52.4	79.9	6170	Floor	SAME
PATIENT TA	ABLES [7]							
NG 2000 Ta	able	5201910	24	114	30	1760 [2]	Floor	UUT-2
NG 2000 Ta	able	5201910-2	24	114	30	1760	Floor	SAME
NG 2000 Ta	able	5201910-6	24	114	30	1760 ^[3]	Floor	UUT-A2
NG2000V F	Patient Table	5765282	R 240 [F 130	49	1576 ^[3]	Floor	UUT-F1807-2
NG1700V F	Patient Table	5786623	24	118	49	1523 ^[3]	Floor	UUT-F1807-3
CONSOLES	}	N			2			
Open Cons	ole (HP Z420)	5737200	14.57	21.85	22.75	105	Floor	UUT-D1
Open Cons	sole (HP Z440)	5737200-5	14.65	22.28	22.5	105	Floor	UUT-E2
Scanner De	esktop III (Open Console) 🖊	5737200-10	S14.8_	391 9.9	22.7	106	Floor	UUT-G1917-1
SYSTEM CA	ABINETS			VVVVCXXXXVVVVAAAAAAAA	/// /////////////////////////////////			
System Cal	binet IV	6164000	24	50.9	55.8	736 ^[6]	Floor	UUT-F1807-6
POWER DIS	STRIBUTION	BY: III	пошу с	Pilanu				
Power Disti	ribution Unit	2326492-61	27.6	21.7	41.8	818	Floor	UUT-5
Power Disti	ribution Unit	2326492-91	0 127.68/2	2021.7	41.8	955 ^[6]	Floor	UUT-F1807-4
Mount	Floor (Rigid Base): free-st support above the base.	anding, base-mounte	ed condition w	ith the compon	ent rigidly attach	ned to a support	ting structure	e and no lateral
Notes	1. BASIS: • UUT#: Indicates t • SAME: Model is p color, software ar 2. Patient Table weight 3. Patient Table weight 4. Not Used 5. All components listed 6. Installed weight inclu 7. Requires use of GE	physically, mechanically or GE manufactured does not include the does not include the does not include the dabove are manufactioning seismic mounting	ally & electrica ing location. e 500 lb. simula e 675 lb. simula ctured by GE F ng brackets.	ated patient loa ated patient loa ated patient loa dealthcare unle	s test specimen. ad present during ad present during ess otherwise no	Difference is lir g testing. g testing		

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 4: ASCE 7-10 DESIGN BASIS FOR EQUIPMENT

COMPONE	NT		F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω_0
Gantries		5590000 5590000-2 5590000-6 5590000-7	2.40	2.0	1	1	1 ½	1 ½
Gantiles		5590000-15 5590000-16 5590000-20 5590000-21		2.5	0	ı	1 /2	1 /2
Patient Tables		5201910 5201910-2 5201910-6	2.40	2.0	1	1	1 ½	1 ½
Tallotti Tables		5765282 5786623	1.13	2.5	0	'	1 72	. , , 2
Consoles		5480177 5641778 5737200	1.50	2.0	1	2 ½	6	2
Consoles	EDFO	5737200-5 5737200-10	C _{1,13}	2.5	0	2 /2	0	۷
Out on Out in the		6161000 6162000 6163000	1.50	2.0	1	0.1/		
System Cabinets	A (6163000-2 6164000 6164000-2	4 1.13	2.5	0	2 ½	6	2
Power Distribution Units		2326492-61	1.44	2.0	1	1	2 ½	2
1 OWEL DISHIBULION OFFICE	BY:Tir	nothy J F	Pilansd	2.5	0	'	Z /2	2
Power Distribution Units		2326492-91	1.44	2.0	1	1	2 ½	2
. Sust Distribution Strike	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	01/08/20	2 1.13	2.5	0		2 /2	4

CALIFORNIA BUILDING CODE. 25

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-1	Revolution CT Gantry
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model No.: 5590000 Serial No.: 1977CZ8
DESCRIPTION:	System Component of the Revolution CT System
MOUNTING:	FLOOR MOUNTED (Rigid Base) using (8) – 5/8" dia. SAE J429 Grade 8 bolts w/ washers.
	Includes GE mounting kit: Catalog No. B7919BS / Engineering P/N 5498649



PROPERTIES:			OKU	DE CU				
	DIMENSIONS (in.)	IED			LOWES	ST RESONANT	FREQUEN	CY (Hz.)
Width	Depth	Height	OC W	eight (lb.)	FRONT-AXIS	SIDE-	AXIS	VERTICAL-AXIS
93.1	56.2	78.9	U D 1	6335	7.4	11.3		8.4
SHAKE TABLE T	EST PARAMETERS	2/	OSP-	0394	11/2/			
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5 BY:	im@thv	√J Pilar	3.2	2.4	1.68	0.68
Unit maintained st	tructural integrity an <mark>d</mark> re	mained functiona	l per manufa	cturer requiren	nent			•

UUT-2	NG 2000 Table
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model No.: 5201910 Serial No.: 436153CN1
	Op
DESCRIPTION:	System Component of the Revolution CT System
MOUNTING:	FLOOR MOUNTED (Rigid Base) using (6) – 5/8" dia SAE J429 Grade 8 bolts w/ washers.
	Includes GE mounting kit: Catalog No. B7919BS / Engineering P/N 5498649



PROPERTIES:											
DIMENSIONS (in.)						LOWES	ST RESONAN	T FREQUE	ENCY	(Hz.)	
Width Depth Height			Weight (lb.)		SIDE-AXIS FRO		T-AXIS	VEF	RTICAL-AXIS		
23.5	116 min / 210 max	41		41 1760 + 500 Patient		3.0	16.8		3 4.5		
SHAKE TABLE TE	EST PARAMETERS										
CODE	TEST CRITERIA	S _{DS} (G)	Z	z/h	l _P	A _{FLX-H} (G)	A _{RIG-H} (G)	$A_{\text{FLX-V}}$	(G)	A _{RIG-V} (G)	
CBC 2016 ICC-ES AC156 2.0 1 1.5 3.2 2.4 1.68 0.68											
Unit maintained st	Unit maintained structural integrity and remained functional per manufacturer requirement										

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- 3	Scanner Desk	ctop Assen	nbly						
MANUFACTURER:	GE Healthcare	/						5	
IDENTIFICATION:	Model No.: 5480177	7 Seria	al No.: 43	33776C	N2				
DESCRIPTION:	System Component	of the Revolution	on CT S	ystem					
MOUNTING:	Rigid Base (Floor) no GE console to floor Console Anti Seism (2) – M6 x 16 10.9 ((P/N 2262896 (1) – 3/8" dia. ASTI to floor plate.	mounting asser ic Bracket (P/N Class bolts (Toro -2)	5357148 que=7.9	8) each N-m)	w/			A A	
PROPERTIES:			F04		DE CON				
	DIMENSIONS (in.)	IED				LOWES	ST RESONANT	Γ FREQUEN	ICY (Hz.)
Width	Depth	Height		We	eight (lb.)	SIDE-AXIS	FRONT	T-AXIS	VERTICAL-AXIS
18.5	29.1	25.8			157	12.8	16	.8	13.9
SHAKE TABLE T	EST PARAMETERS	2/	09	SPL	130/	1181			
CODE	TEST CRITERIA	S _{DS} (G)	Z	/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G) A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5 BY:		.o othv	J Pilano	3.2	2.4	1.68	0.68

UUT-4	Rev System C	abinet	E: 01/0	8/2021							
MANUFACTURER:		Avnet Technologies Solutions									
IDENTIFICATION:	Model No.: 6161000	Seria	No.: 435438	3C7	Wre 3	NOTE OUT &					
DESCRIPTION:	System Component	of the Revolution	n CT System	DINGC		torage .					
MOUNTING:	GE mounting assem (2) – Seismic Brack Each bracket mount (2) – M12-1.75, X25	I29 Grade 8 bolt kets to floor plat holy includes: et, System Cabin ed to cabinet w/ mm Long, Class ew (P/N 1000-M asher (P/N 2203	e. net (P/N 5534 : s 8.8 Steel, H 12C025-04) -M12-07)	4896)							
	(2) – Flat Washer (F	7/N 2001-M12-0	3)								
PROPERTIES:		//N 2001-M12-0	3)				*				
PROPERTIES:		//N 2001-M12-0	5)		LOWES	T RESONANT	FREQUE	ENCY	(Hz.)		
PROPERTIES: Width	(2) – Flat Washer (F	7N 2001-M12-0.	,	Weight (lb.)	LOWES SIDE-AXIS	T RESONANT FRONT		1	` ,		
	(2) – Flat Washer (F		\	Weight (lb.) + 10 brackets		1	-AXIS	1	` ,		
Width 25	(2) – Flat Washer (F DIMENSIONS (in.)	Height	\	<u> </u>	SIDE-AXIS	FRONT	-AXIS	1	RTICAL-AXIS		
Width 25	(2) – Flat Washer (F DIMENSIONS (in.) Depth 48	Height	\	<u> </u>	SIDE-AXIS	FRONT	-AXIS	VE	RTICAL-AXIS		

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- 5	Power Distrib	ution Unit							
MANUFACTURER:	GE Healthcare	,							
IDENTIFICATION:	Model No.: 2326492	2-61							
	Serial No.: 322132	HM2			DE 00.		d grant		
DESCRIPTION:	System component	of the Optima CT58	0 System	000	0		W.		
MOUNTING:	washer throug <u>GE mounting assen</u> (2) – Seismic Brack Each bracket moun (2) – M10-1.5 X25m Black Oxide (** (2) – M10 Lock Was	A A574 Socket Head th GE mounting brace ably including: et, System Cabinet ted to cabinet w/: am Class 12.9 Socket Forque= 38.4 N-m)	ckets to floor plate. (P/N 2354563-2) et Head Cap Screw, -07)						
PROPERTIES:			RCODE						
	DIMENSIONS (in.)	60		LOWE	ST RESONAN	T FREQUEN	ICY (Hz.)		
Width	Depth	Height	Weight (lb.)	SIDE-AXIS	FRON	T-AXIS	VERTICAL-AXIS		
27.6	21.7	41.8	796 + 22 brackets = 818	15.7	19	9.9	45		
SHAKE TABLE TI	EST PARAMETERS	2- (OSP-0394	M Sin					
CODE	TEST CRITERIA	S _{DS} (G)	z/h I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)		
CBC 2016	ICC-ES AC156	2.0 2.6 By Tim 0 thy J 1.5 and 3.2 2.4 1.74 0.70							

020 20:0	100 20 710 100	2.6 BY:		ourry	/ J Filar			2.7			0.70
Unit maintained	structural integrity and re	<mark>m</mark> ained functio	nal per	manufa	cturer requiren	nent					
		WW DA	TF-C	1/08	8/2021						
UUT- A1	SYSTEM CABI	NET			711111111111111						
MANUFACTURER:	GE Healthcare	Z				10		A			
IDENTIFICATION:	Model No.: 6162000	6.7/	-		1	7					
		P				00		9	800000		Marie Control
DESCRIPTION:				0							
MOUNTING:	Rigid Base (Floor) mount (4) – ½" dia. SAE J429 mounting brackets GE mounting assembly (2) – Seismic Bracket, SE each bracket mounted to (4) – M10-1.5 x 25mm L Head Cap Screw (4) – Curved lock washed (4) – Flat Washer, ISO 2) – M12-1.75, X25mm Cap Screw (P/N 1	Grade 8 bolts v s to floor plate. includes: System Cabinet to cabinet w/: .ong, Class 8.8 (P/N 1000-M10 er, DIN 128A (F 7089 (2000-M1 Long, Class 8.8	(P/N 5 ISO 47 C025-0 P/N 220 0-03) 3 Steel,	693408 762 Stee 04) 3-M10-0) el Hex Socket 07)						
PROPERTIES:	DIMENDIONO (')			1		1 014	-OT 1	DECONANT	T EDEOU	-NOV	(11-)
	DIMENSIONS (in.)							RESONAN'			· /
Width	Depth	Height		W	eight (lb.)	FRONT-AXI	S	SIDE-		VEI	RTICAL-AXIS
24	48.42	55.71			659	6.3		16	.3		12.4
SHAKE TABLE TE	EST PARAMETERS										
CODE	TEST CRITERIA	S _{DS} (G)	Z	:/h	I _P	A _{FLX-H} (G)	Α	A _{RIG-H} (G)	A _{FLX-V} ((G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5		1 0	1.5	3.2		2.4	1.68		0.68
Unit maintained	structural integrity and re	mained functio	nal per	manufa	cturer requiren	nent					

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ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- A2	NG2000 TABLE
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model No.: 5201910-6
DESCRIPTION:	System component of the Revolution CT system Patient table 675lb capacity
MOUNTING:	Floor mounted using (6) - 5/8" dia SAE J429 Grade 8 bolts w/ washer to aluminum plate.
	Includes GE mounting kit: Catalog No. B7919BS / Engineering P/N 5498649



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	DIMENSIONS (in.)	IED	· WILLIAM		LOWE	ST RESONAN	T FREQUENC	CY (Hz.)
Width	Depth	Height		eight (lb.)	FRONT-AXIS	S SIDE-	-AXIS \	/ERTICAL-AXIS
23.5	114 min / 210 max	23 min / 41 max		0 + 675 LB tient load	9.1	19	.3	4.4
SHAKE TABLE TES	ST PARAMETERS	۲/	OSP-	0394	M/V W			
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 BY:	Timpthy	J Rilar	3.2	2.4	1.68	0.68

UUT-B1	Scanner	Desktop	Assembly	(HP Z420)
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MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model No.: 5641778
	Serial No.: 440747CN4
DESCRIPTION:	Main component of CT Imaging

MOUNTING:

Rigid Base (Floor) mounted using:

GE console to floor mounting assembly (4 locations total): Console Anti Seismic Bracket (P/N 5357148) each w/

(2) - M6 x 16 Class 10.9 bolts (Torque=7.9 N-m) (P/N 2262896-2)

(2) - Flat washers (P/N 2001-M8-02)

(1) – 3/8" dia. ASTM A574 Socket Head Cap Screw w/ washer to floor plate.



PROPERTIES:

	DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)					(Hz.)
Width	Depth	Height		W	eight (lb.)	FRONT-AXI	S SIDE		AXIS	VERTICAL-AXIS	
18.5	29.0	25.8			133.5	21		15.1		19.1	
SHAKE TABLE TEST PARAMETERS											
CODE	TEST CRITERIA	S _{DS} (G)	z/	'h	I _P	A _{FLX-H} (G)	A	RIG-H (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5	1)	1.5	3.2		2.4 1.68			0.68
Unit maintained st	ructural integrity and re	mained function	nal per r	manufa	cturer requirem	nent					

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-B2 Scanner Desktop Assembly (HP Z440)

MANUFACTURER: GE Healthcare

IDENTIFICATION: Model No.: 5641778-2

Serial No.: 440749CN0

DESCRIPTION: Main component of CT Imaging

MOUNTING: Rigid Base (Floor) mounted using:

GE console to floor mounting assembly (4 locations total): Console Anti Seismic Bracket (P/N 5357148) each w/

(2) - M6 x 16 Class 10.9 bolts (Torque=7.9 N-m) (P/N 2262896-2)

(2) - Flat washers (P/N 2001-M8-02)

(1) – 3/8" dia. ASTM A574 Socket Head Cap Screw w/ washer to floor plate.



PROPERTIES:

FROFERTILS.			NKU	DUEL				
	DIMENSIONS (in.)	0.5.0		WWW.	LOWES	ST RESONAN	T FREQUEN	CY (Hz.)
Width	Depth	Height	Height Weight (lb.)		FRONT-AXIS	SIDE-	-AXIS \	VERTICAL-AXIS
29.0	18.5	25.8	UDI	133	19,4	14	.5	25
SHAKE TABLE TES	T PARAMETERS	4						
CODE	TEST CRITERIA	S _{DS} (G)	Cz/h P-	0394	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5	1 0 0	1.5	3.2	2.4	1.68	0.68
Unit maintained st	tructural integrity and re	mained functiona	al per manufa	cturer requirer	ment		•	•

UUT-C1	Revolution	CT	Gantry
	i to to i a tio i i	•	- - - - - - - - - -

MANUFACTURER:	GE Healthcare
MANOI ACTORER.	GE Healthcare

IDENTIFICATION: Model No.: 5590000-6

Serial No.: 442608CN6

DESCRIPTION: System Component of the Revolution CT System

MOUNTING:

Floor mounted using (8) -5/8" dia SAE J429 Grade 8 bolts w/

washers.

Includes GE mounting kit: Catalog No. B7919BS / Engineering P/N

5498649



PROPERTIES:

	DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)					(Hz.)
Width	Depth	Height		W	Weight (lb.) FRONT-AXIS SIDE-AXI		AXIS	VEI	RTICAL-AXIS		
93.1	56.5	78.9			6335	11.1		7.5			23
SHAKE TABLE TEST	SHAKE TABLE TEST PARAMETERS										
CODE	TEST CRITERIA	S _{DS} (G)	z/ł	h	I _P	A _{FLX-H} (G)	Α	_{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0	1		1.5	3.2		2.4	1.68		0.68

Unit maintained structural integrity and remained functional per manufacturer requirement

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-C2	System Cabinet
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model No.: 6163000
	Serial No.: 442508CN8
DESCRIPTION:	Main component of CT Imaging
MOUNTING:	Rigid Base (Floor) mounted using: (4) – ½" dia. SAE J429 Grade 8 bolts w/ washer through GE mounting brackets to floor plate. GE mounting assembly includes: (2) – Seismic Bracket, System Cabinet (P/N 5693408) Each bracket mounted to cabinet w/: (4) – M10-1.5 x 25mm Long, Class 8.8, ISO 4762 Steel Hex Socket Head Cap Screw (P/N 1000-M10C025-04) (4) – Curved lock washer, DIN 128A (P/N 2203-M10-07) (4) – Flat Washer, ISO 7089 (P/N 2000-M10-03)
PROPERTIES:	FORCODECO



LOWEST RESONANT FREQUENCY (Hz.) DIMENSIONS (in.) Width Depth Height Weight (lb.) FRONT-AXIS SIDE-AXIS **VERTICAL-AXIS** 706 24 48.42 55.71 18.9 5.9 24.7 SHAKE TABLE TEST PARAMETERS CODE TEST CRITERIA S_{DS} (G) z/h I_P A_{FLX-H} (G) A_{RIG-H} (G) A_{FLX-V} (G) A_{RIG-V} (G) 2.0 **CBC 2016** ICC-ES AC156 1.68 0.68 1.5 2.5 0 Unit maintained structural integrity and remained functional per manufacturer requirement

UUT-D1	Open Console (HP Z420)
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model No.: 5737200
	Serial No.: 445262CN9
DESCRIPTION:	System component of the Revolution CT System HP Z420 Computer
MOUNTING:	Rigid Base (Floor) mounted using: GE console to floor mounting assembly (3 locations total): Console Anti Seismic Bracket (P/N 5357148) each w/ (2) – M6 x 16 10.9 Class bolts (Torque = 7.9 N-m) (P/N 2262896-2) (2) – Flat washers (P/N 2001-M8-02) (1) – 3/8" dia. ASTM A574 Socket Head Cap Screw w/ washer to floor plate.



PROPERTIES:											
DIMENSIONS (in.)						LOWEST RESONANT FREQUENCY (Hz.)					(Hz.)
Width	Depth	Height		V	/eight (lb.)	FRONT-AXI	FRONT-AXIS SIDE-AXIS		VEI	RTICAL-AXIS	
14.57	21.85	22.75			105	32.3		18.2			>50
SHAKE TABLE TES	SHAKE TABLE TEST PARAMETERS										
CODE	TEST CRITERIA	S _{DS} (G)	Z/	/h	I _P	A _{FLX-H} (G)	Α	_{RIG-H} (G)	A _{FLX-V} ((G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5	(1	1.5	3.2		2.4	1.68		0.68
Unit maintained st	Unit maintained structural integrity and remained functional per manufacturer requirement										

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GE HEALTHCARE

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-E1	Revolution C	T ES Gantry						
MANUFACTURER:	GE Healthcare	,						
IDENTIFICATION:		Model no.: 5590000-15 Serial no.: 448109CN9						
DESCRIPTION:	System component Revolution CT ES C							
MOUNTING:	Rigid Base (Floor) N Grade 8 bolts w/ wa	Mounted using (8) – 5/ ashers.	/8" dia. SAE J429			399		
	Includes GE mounti P/N 5498649	ing kit: Catalog No. B7	7919BS / Engineering					
	DIMENSIONS (in	i.)		LOWEST	RESONANT FREQU	ENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis		
93.1	56.2	78.9	6218	7.79	11.75	25.59		
	AKE TABLE TEST PA	RAMETERS				CODE: 2016 CBC		
ICC-ES AC156 SH		A	A _{FLX-H} (G) 4	A _{RIG-H} (G)	A _{FLX-V} (G)	Λ (C)		
ICC-ES AC156 SHA	z/h	I _P	AFLX-H (G)	/ KIG-H (O)	AFLX-V (O)	A _{RIG-V} (G)		

UUT-E2	Open Consol	e (HP Z440) E:	01/08/2021					
MANUFACTURER:	GE Healthcare	0						
IDENTIFICATION:	Model no.: 5737200 Serial no.: 4481080							
DESCRIPTION:	Open console. HP Z440 Computer	PRNIA	BILLIDING					
MOUNTING:	Console Anti Seism (2) – M6 x 16 10.9 ((P/N 2262896	mounting assembly ic Bracket (P/N 5357 Class bolts (Torque = -2) 1 A574 Socket Head	148) each w/ 7.9 N-m)					
	DIMENSIONS (in.)			LOWEST	RESONANT FREQU	ENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis		
14.65	22.28	22.5	105	18.32	17.27	35.36		
ICC-ES AC156 SHA	KE TABLE TEST PAR	AMETERS	•		•	CODE: 2016 CBC		
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)		
2.0								

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-F1807-1	Revolution (CT Gantry						
MANUFACTURER:	GE Healthcare	,						
IDENTIFICATION:	Model No: 5590000)-20						
DESCRIPTION:	System Componen Revolution Apex Ga	t of the Revolution Apo antry 160mm Quantun	ex System n	= -				
MOUNTING:	J429 Grade 8 bolts	Mounted using (8) – 5/w/ washers. ing kit: Catalog No. B7						
	DIMENSIONS (in	i.)		LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)	Front / X-Axis	Side / Y-Axis	Vert / Z-Axis		
90.3	52.4	79.9	6170	8.86	11.52	8.61		
ICC-ES AC156 SH	AKE TABLE TEST PA	RAMETERS				CODE: 2016 CBC		
S _{DS} (G)	z/h	P IP	OS A _{FLX-H} (G) 4	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)		
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68		
Unit satisfied AC15	6 requirements for stru	uctural integrity and m	anufacturer requiremer	nts for functionality afte	r AC156 test.	•		

UUT-F1807-2	NG2000V Pati	ent Table\TE	:01/08/2021				
MANUFACTURER:	GE Healthcare	0	+	29			
IDENTIFICATION:	Model No: 5765282	Y		20	9	No.	
DESCRIPTION:	Component of the Rev		A BUILDING	COUP.			
MOUNTING: Rigid Base (Floor) Mounted using (6) – 5/8" diameter SA J429 Grade 8 bolts w/ washers. Includes GE mounting kit: Catalog No. B7919BS / Engin P/N 5498649							
	DIMENSIONS (in.)			LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Weight (lb.)	Transv. / X-Axis	Longit. / Y-Axis	Vert. / Z-Axis	
24	129.9	49	1576	2.97	43.26	4.29	
ICC-ES AC156 SHA	AKE TABLE TEST PARA	AMETERS	•			CODE: 2016 CBC	
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
2.0	1 1		3.2	2.4	1.68	0.68	

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-F1807-3	NG1700V Par	tient Table					
MANUFACTURER:	GE Healthcare	,					
IDENTIFICATION:	Model No: 578662	3 /					
DESCRIPTION:	Component of the	Revolution CT / CT E	S / Apex system.	1			
MOUNTING:	J429 Grade 8 bolts	ting kit: Catalog No. B					
	DIMENSIONS (in.) OF		LOWEST	RESONANT FREQUE	ENCY (Hz.)	
Width	Depth	Height	Weight (lb.)	Transv. / X-Axis	Longit. / Y-Axis	Vert. / Z-Axis	
24	118	49	1522.5	3.46	34.81	4.63	
ICC-ES AC156 SHAP	KE TABLE TEST PA	RAMETERS				CODE: 2016 CBC	
S _{DS} (G)	z/h	4 I _P (S A _{FLX-H} (G) 4	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68	
Unit satisfied AC156	requirements for st <mark>ru</mark>	ctural integrity and ma	nufacturer requiremer	nts for functionality after	er AC156 test.		

MANUFACTURER:	GE Healthcare	0				A STATE OF THE PARTY OF THE PAR	
IDENTIFICATION:	Model No: 2326492-9	1 7		100			
DESCRIPTION:	Component of the Re Configuration Control			OUF		×	
MOUNTING:	GE mounting assem (2) – Seismic Brack Each bracket mount (2) – M10-1.5 X25m	A574 Socket Head h GE mounting brace by including: et, System Cabinet of ed to cabinet w/: m Class 12.9 Socket forque= 38.4 N-m) ther (P/N 2203-M10-	ckets to floor plate. P/N 2354563-2) St Head Cap Screw, 07)				
	DIMENSIONS (in.)	·		LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis	
27.6	21.7	41.8	954.5 (w/ brackets)	17.11	15.57	17.04	
ICC-ES AC156 SHA	KE TABLE TEST PAR	AMETERS				CODE: 2016 CBC	
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68	
Unit satisfied AC156	requirements for struct	ural integrity and ma	anufacturer requirement	s for functionality after	or AC156 tost		

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-F1807-6 System Cabinet

MANUFACTURER: GE Healthcare

IDENTIFICATION: Model No: 6164000

DESCRIPTION: Component of the Revolution CT / CT ES / Apex system

MOUNTING: Rigid Base (Floor) mounted using:

(4) – ½" dia. SAE J429 Grade 8 bolts w/ washer through GE mounting brackets to floor plate.

GE mounting assembly includes:

(2) – Seismic Bracket, System Cabinet (P/N 6164078)

Each bracket mounted to cabinet w/:

(4) – M12-1.75, X25mm Long, Class 8.8 Steel, Socket Head Cap Screw, Black Oxide (P/N 1000-M12C025-02)

(4) – Curved lock washer (P/N 2203-M12-07)

(4) - Flat Washer (P/N 2001-M12-02)



				11/1			
DIMENSIONS (in.)			CILDE	LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Weight (lb.)	Front / X-Axis	Side / Y-Axis	Vert / Z-Axis	
24	50.9	55.8	736 (w/ brackets)	26.83	7.29	>50	
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS OSP-0394 CODE: 2016 CB							
S _{DS} (G)	z/h	l _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
2.0 2.5	1 0	1.5 Y: Tim	nothy _{3.2} Pila	nd 2.4	1.68	0.68	
Unit satisfied AC156	requirements for stru	ctural integrity and mar	nufacturer requirement	ts for functionality after	r AC156 test.		

UUT-G1917-1 Scanner Desktop III (Open Console)

MANUFACTURER: GE Healthcare (General Electric Company)

IDENTIFICATION: Model No: 5737200-10

DESCRIPTION: Component of the Revolution CT / CT ES / Apex system

Levovo Thinkstation P520 computer

MOUNTING: Rigid Base (Floor) mounted using:

GE console to floor mounting assembly (3 locations total): Console Anti Seismic Bracket (P/N 5357148 rev. 3) each w/ (2) – M6 x 16 10.9 Class bolts (Torque = 7.9 N-m)

(P/N 2262896-2)

(1) - 3/8" dia. ASTM J429 Grade 8 bolt w/ washer to floor

plate.



	DIMENSIONS (in.)			LOWEST RESONANT FRE					
Width	Depth	Height	Weight (lb.)	Side / X-Axis	Front / Y-Axis	Vert / Z-Axis			
14.8	19.9	22.7	106 w/ brackets	16.6	27.4	14.3			
ICC-ES AC156 SHA	AKE TABLE TEST PAR	AMETERS				CODE: 2016 CBC			
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)			
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68			
Unit satisfied AC156	nit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.								



ATTACHMENT 2: TEST SPECIMEN SUMMARY

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MANUFACTURER:	GE Healthcare			- Lake		
IDENTIFICATION:	Model No: 6164000-2			M		
DESCRIPTION:	Component of the Revolution CT ES system					
MOUNTING:	mounting braces and the second mounting asset (2) – Seismic Braces and the second mounting asset (4) – M12-1.75, X. Cap Screw, (4) – Curved lock	J429 Grade 8 bolts was	(P/N 6164078) 8 Steel, Socket Head 0-M12C025-02)			
DIMENSIONS (in.)			361100	LOWEST RESONANT FREQUENCY (Hz.)		
	Depth	Height	Weight (lb.)	Side / X-Axis	Front / Y-Axis	Vert / Z-Axis
Width	Берш			00.0		13.2
Width 24.2	53.5	55.9	597 (w/ brackets)	33.0	9.0	13.2
24.2	· ·		597 (w/ brackets) OSP-0394	33.0	9.0	CODE: 2016 CBC
24.2	53.5		597 (w/ brackets) SP=0394 A _{FLX-H} (G)	33.0 A _{RIG-H} (G)	9.0 A _{FLX-V} (G)	

