

Title: Principal

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION F	OR OSHPD SPECIAL SEISMIC	OFFICE USE ONLY
	PREAPPROVAL (OSP)	APPLICATION #: OSP-0710
OSHPD Special Seis	mic Certification Preapproval (OSP)	
Type: X New	Renewal	
Manufacturer Inform	ation	
Manufacturer: GENE	RAL MEDICAL MERATE SpA Manufacturer's	
Technical Representativ	e: Francesca Colamonaco	
Mailing Address: Via Pa	artigiani 25, Seriate, BG 24068	
Telephone: On File	Email: On File	
	EOK CODE CO.	
Product Information	NEO	
Product Name: Fluorosc	copy and Radiography Systems	P
Product Type: NA	OSP-0710	
Product Model Number:	CLISIS Systems (Seismic Version)	
General Description:	The CLISIS Systems (Seismic Version) is a multiple of a table unit, system digital cabinet, generator, and a console, and extender box for keyboard and mouse in include an optional non-tilting manually positioned wal Overhead Tube Suspension (OTS). Evaluation for seisme	a user interface comprised of a monitor, control put. Additionally, the system may be configured to listand unit, and/or optional manually positioned
Mounting Description:	See Certified Product Tables	60
Tested Seismic Enhance	ements: Seismic enhancements made to the test un anomalies during the tests shall be incorpo	nits and/or modifications required to address rated into the production units.
	A RIVI DING	/
Applicant Informatio	n BUILDING	
Applicant Company Nam	ne: EASE LLC	
Contact Person: Jonath	nan Roberson	
Mailing Address: 5877 F	Pine Ave., Suite 210, Chino Hills, CA 91709	
Telephone: (909) 606-7	622 Fmail: ion@FASFCo.com	







OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Respon	sible for the Engineering and Test Report(s)
Company Name: EASE	
Name: Jonathan Roberson	California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills	, CA 91709
Telephone: (951) 295-1892 Emai	I: jon@EASECo.com
Certification Method	
GR-63-Core X ICC-ES AC156	☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
Other (Please Specify):	
EC	RCODECO
Testing Laboratory	Mp,
Company Name: ENVIRONMENTAL TESTING LABOR	ATORIES, INC. (ETL)
Contact Person: Brady Richard	25B 0740
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3	513 M
Telephone: (972) 247-9657	il: brady@etldallas.com
DATE:	08/24/2021
S	2
PNI	BUILDING CODE. 25°
1/4	BUILDING







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Seismic Parameters

Design Basis of Equipment or Components (Fp/Wp) = See Attachment 1

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

ap (Amplification factor) = See Attachment 1

Rp (Response modification factor) = See Attachment 1

 Ω_0 (System overstrength factor) = See Attachment

 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

OSHPD Approval (For Office Use Only) - Approval Expires on 12/31/2025

Date: 8/24/2021

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: Sps (g) = See Above z/h = See Above

Condition of Approval (if applicable):





08/24/2021 OSP-0710 Page 3 of 10



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 2

TABLE 1:

Manufacturer GENERAL MEDICAL M System CLISIS SYSTEMS (Seis									DS = 2.0 DS = 2.5		
COMPONENT	IDENTIFICATION NUMBER	APPROX.	DIMENSION D	ONS [IN]	MAX. WT.	MOUNT	BASIS [1]	F _P /W _P	ар	R₽	Ω_0
PATIENT TABLE	NOWIDER	**		- 11	[LD]	WOON	DAGIO 17	I P/ VVP	аР	IXP	320
CLISIS EXEL DRF Tilting Table	CS006/G (Model No.) ^[3]	96.85 – 163	79.13 87	69.69 – 116.14	3241	Rigid Base	SAME AS UUT-2005-1	2.40 1.13	1	1 ½	2
SYSTEM CABINET		CO		MMMM.	40						
System Digital Cabinet	O-D4000RF-PDT (Type No.) [4]	22.36	29.02	35.47	243	Wall/Floor	SAME AS UUT-2005-2	1.50 1.13	2 ½	6	2
GENERATOR											
Generator 80kW (H.V. Indico IQ Generator) Series: Opera G800IQ	VZW2558FD822-10 (Part No.) [5]	20.08	16.14	71.73	201	Rigid Base	SAME AS UUT-2005-3	1.50 1.13	2 ½	6	2
OVERHEAD TUBE SUSPENSION			-								
Manual Overhead Tube Suspension (OTS)	PN002/G (Ty <mark>pe No</mark> .)	118.5	173.6	49.2 - 116.1	m 735	Ceiling	SAME AS UUT-2005-4	3.60 1.50	2 ½	2 ½	2
WALLSTANDS		DATE.	08/2/1	2021							
Vertical non-tilting wall stand, RIGHT opening w/	O-RS10-DX (Type No.)	24.41	16.75	88.58	377	Wall/Floor	SAME AS	2.40	1	1 ½	2
Thales Wireless detector Pixium 3543 EZ - Option CMEDB	Pixium 3543 EZ (Model No.)	14.96	0.59	18.11	6.6	wall/Floor	UUT-2005-5	1.13	'	1 /2	2
Vertical non-tilting wall stand, RIGHT opening w/	O-RS10-DX (Type No.)	24.41	16.75	88.58	377	- Wall/Floor	INT	2.40	1	1 ½	2
Thales Wireless detector Pixium 2430 EZ - Option CMND	Pixium 2430 EZ (Model No.)	10.43	0.59	12.8	4.4	wall/Floor	IIN I	1.13	1	1 /2	2
Vertical non-tilting wall stand, LEFT opening w/	O-RS10-SX (Type No.)	24.41	16.75	88.58	377	\\\\all/\(\sigma\)	INT	2.40	4	4.1/	_
Thales Wireless detector Pixium 3543 EZ – Option CMEDB	Pixium 3543 EZ (Model No.)	14.96	0.59	18.11	6.6	Wall/Floor	IIN I	1.13	1	1 ½	2
Vertical non-tilting wall stand, LEFT opening w/	O-RS10-SX (Type No.)	24.41	16.75	88.58	377	- Wall/Floor	SAME AS	2.40	1	1 ½	2
Thales Wireless detector Pixium 2430 EZ – Option CMND	Pixium 2430 EZ (Model No.)	10.43	0.59	12.8	4.4	vvaii/Fi00I	UUT-2005-6	1.13	ı	I 72	

Table continues on next page



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 2 OF 2

Manufacturer GENERAL MEDICAL MERATE SpA (GMM) System CLISIS SYSTEMS (Seismic Version) [2]							$S_{DS} = 2.0$ at z/h = 1 $S_{DS} = 2.5$ at z/h = 0					
		IDENTIFICATION		APPROX. DIMENSIONS [IN]		MAX. WT.						
COMPONENT		NUMBER	W	D	Н	[LB]	MOUNT	BASIS [1]	F _P /W _P	аР	R _P	Ω_0
USER INTERF	ACE											
Control Consol	e (CLISIS EXEL DRF)	Host Controller XSNA (Type No.) [6]	17.32	10.63	7.48	18	СТА	SAME AS UUT-2005-7	1.44 1.13	1	2 ½	2
RadiForce (23. Monitor w/	0") Multitouch Color LCD	MS236WT (Model No.)	21.93	9.75	JE CO,	22.5	СТА	SAME AS UUT-2005-8	1.44 1.13	1	2 ½	2
	Desk mount kit (GMM)	162396 (Part No.)	NEV			10,		001-2005-6	1.13			
Monitor Extend	ler Box	O-D4000RF-PDT (EXT Box) (Type No.)	8.25	9.75	5.5	3.5	СТА	SAME AS UUT-2005-9	1.44 1.13	1	2 ½	2
	supporting structure with CEILING: equipment is a	combined rigid base and rig lateral support above the b inchored to, and suspended HED (CTA): equipment is ba	ase at a wall d from, a rigio	l. I framing s	ystem at or	slightly abov	e the ceiling	line of the room.	, ,			
Notes	color, and/or softw. • INT (Interpolated): product line. 2. CLISIS Systems (Se Seismic Kit P/N 162	Indicates model of equipments of the uniquestate of the second of the uniquestate of the second of the uniquestate of the second of the uniquestate of the uniquestat	ent not speci	fically teste on of the C	ed for which	n seismic qua	lification is es	stablished througl	n testing of	fsimilar	models	in the



ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 1 OF 5

UUT-2005-1	CLISIS EXEL	. DRF Tilting Ta	ble			
MANUFACTURER:	GENERAL MEDIC	CAL MERATE SpA (GN	MM)			
IDENTIFICATION:	Model No.: CS006	/G S/N: 01280			5-1-1-0	
DESCRIPTION:	Component of CLI	SIS Systems (Seismic	Version)			
		lent prototype unit that at tive to then-current st			FOR	
	Horizontal Configu	ıration (0°) w/ Patient L	oad of 502.5 lb			
	testing. These mo	ions to address anoma odifications will be inclu nd in GMM System Se	ided in future			
	*Unit tested in con withstand capacity	figuration offering leas	t seismic			1
MOUNTING:	Rigid Base (Floor) (15) – 1/2" dia. SA	mounted using E J429 GR 5 hex head	R CODE bolts to interface.	ON		
	DIMENSIONS (ir	n.)		LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis
96.85 – 163*	79.13 – 87*	69.69 - 116.14*	3241	3.29	3.96	3.11
ICC-ES AC156 SH	HAKE TABLE TEST I	PARAMETERS	OSP-071	0		CODE: 2019 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	1.53Y: N	ohan3mad k	Carim 2.4	1.68	0.68
Unit satisfied AC1	56 requirements for s	tructural integrity and r	manufacturer require	ements for functionality	y after AC156 test.	
		W//// DATE:	08/24/202	21 1111		

UUT-2005-2	System Digit	al Cabinet		12	7	
MANUFACTURER:	GENERAL MEDICAL	MERATE SpA (GM	M)	120		
IDENTIFICATION:	Type No.: O-D4000R	F-PDT S/N: 38737				
DESCRIPTION:	Component of CLI	SIS Systems (Seis	mic Version)	CODE		
	Mounting Brackets 162393.	included in GMM	Seismic Kit P/N		UUT-2	
MOUNTING:	Wall/Floor mounte GMM with (2) – 1/2' 9/16" washers to 5 track backing plate GMM with (2) – 3/8 interface frame.	DIA HWH TEK SO /8" Gyp Board ove . Floor mount with	CREWS w/ 1" x r 16 GA steel n bracket by		1 2 2	
	DIMENSIONS (in.)			LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis
22.36	29.02	35.47	243	11.25	21.18	20.24
ICC-ES AC156 SH	AKE TABLE TEST PA	RAMETERS				CODE: 2019 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 AC15	6 requirements for stru	ctural integrity and m	anufacturer requiren	nents for functionality	after AC156 test.	



ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 2 OF 5

UUT-2005-3	Generator	80kW (H.V. I	ndico IQ Geı	nerator) Series	: Opera G800I0	Q
MANUFACTURER :		& Power Industries			OUT-3 INGS.	
IDENTIFICATION:	Part No.: VZW25 S/N: AMQ01955	7			UUT-3	
DESCRIPTION:	Component of Version)	CLISIS Systems ((Seismic		→	
	Mounting Plate P/N 162321.	is included in GM	MM Seismic Kit			
MOUNTING:		oor) mounted usin SS 8.8 bolts to int				
	DIMENSIONS (in	.)		LOWEST	RESONANT FREQUE	NCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis
20.08	16.14	41.73	201	11.57	17.69	9.57
ICC-ES AC156 SH	IAKE TABLE TEST	PARAMETERS	OSP-07	710	m\	CODE: 2019 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 BY:	Mohamma	d Kari li1	1.68	0.68
Unit satisfied AC15	66 requirements for	structural integrity a	and manufacturer re	quirements for function	ality after AC156 test.	

	·	DATE:	08/24/202	1		
UUT-2005-4	Manual Over	head Tube Si	uspension (O	TS)		
MANUFACTURER:	GENERAL MEDICA	L MERATE SpA (GM	IM)			No.
IDENTIFICATION:	Type No.: 5769324 (S/N: 37500	(Same as PN002/G)				
DESCRIPTION:	Component of CLISI	S Systems (Seismic	Version)	CO		
MOUNTING:	Hex Bolts w/ Unistru mounting bracket to Longitudinal Rail at I M10x30 Class 8.8, s Typical each interse approx. 76.8" apart (supports spaced 27. spans perpendicular HSS frame members	n (2) — 3/8" DIA SAE t P1008 channel nuts Unistrut P1001 suppi mounting bracket mai crew cage, plain was ction of (2) Longitudir out-to-out) and (6) — 6" apart. Each Unistratio longitudinal rails a s spaced 40" max o.c. bolts and Unistrut P10	s through a GMM ort. Connection to de with (1) — wher, and M10 nut. and rails spaced Unistrut P1001 rut P1001 supports and is attached to to W/(2) — ½" DIA			
	DIMENSIONS (in.)			LOWEST	RESONANT FREQUI	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis
118.5	173.6	49.2 – 116.1	735	N/A	N/A	N/A
ICC-ES AC156 SH	AKE TABLE TEST PA	RAMETERS				CODE: 2019 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 AC15	6 requirements for stru	uctural integrity and m	nanufacturer requiren	nents for functionality	after AC156 test.	



08/24/2021

GENERAL MEDICAL MERATE SpA

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 3 OF 5

UUT-2005-5	Vertical No	n-tilting Wall S	Stand, RIGHT	opening w/ 3	543 EZ DETEC	CTOR
MANUFACTURER:	GENERAL MEDIC	CAL MERATE SpA (GI	MM)			
IDENTIFICATION:	Type No.: 580501 S/N: 37569	7 (Same as O-RS10-D	DX)			
DESCRIPTION:	Component of C	CLISIS Systems (Se	ismic Version)			
	Includes detector Thales Wireless CMEDB 14.96" x 0.59" x Part No.: 63124	detector Pixium 35-18.11", 6.6 [lb]	43 EZ - Option		wa i i i i i i i i i i i i i i i i i i i	317
MOUNTING:	(2) – M6 Class 8 x 6.3" W x 4" H s Floor Attachmer	: GMM bracket at to 3.8 bolts to holes tap steel plate welded to	oped in 3/8" THK test frame.			
	DIMENSIONS (i	n.)		LOWEST	RESONANT FREQUI	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis
24.41	16.75	88.58	377	N/A	N/A	N/A
ICC-ES AC156 SH	AKE TABLE TEST I	PARAMETERS	OSP-0710			CODE: 2019 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 _{Y:} N	/loham ³r2 ad K	arim 2.4	1.68	0.68
Unit satisfied AC15	6 requirements for s	tructural integrity and	manufacturer require	ments for functionality	after AC156 test.	

UUT-2005-6	Vertical Nor	-tilting Wall S	Stand, LEFT	pening w/ 24	30 EZ DETEC	TOR
MANUFACTURER:	GENERAL MEDIC	AL MERATE SpA	(GMM)			7 A
IDENTIFICATION:	Type No.: 5805016 (S/N: 37569	Same as O-RS10-SX	9	CODE		
DESCRIPTION:	Component of CLI	SIS Systems (Seis	mic Version)	CO		
	Includes detector: Thales Wireless de CMND 10.43" x 0.59" x 12 Part No.: 6312559	.8", 4.4 [lb]	0 EZ - Option		ura l	
MOUNTING:	Wall/Floor mounte Wall attachment: C (2) – M6 Class 8.8 x 6.3" W x 4" H ste Floor Attachment: (4) – 1/2" DIA SAE	GMM bracket at top bolts to holes tapp el plate welded to	ped in 3/8" THK test frame.			
	DIMENSIONS (in.)			LOWEST	RESONANT FREQU	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis
24.41	16.75	88.58	377	N/A	N/A	N/A
ICC-ES AC156 SH	AKE TABLE TEST PA	RAMETERS				CODE: 2019 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 AC15	6 requirements for stru	ctural integrity and m	nanufacturer requiren	nents for functionality	after AC156 test.	



ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 4 OF 5

UUT-2005-7	Control C	onsole (CLIS	IS EXEL DR	RF)		
MANUFACTURER:	GENERAL MEI	DICAL MERATE S	pA (GMM)			1
IDENTIFICATION:	Type No.: 578677 S/N: 37384	79 (Same as Host Co	ontroller XSNA)			T X
DESCRIPTION:	Version)	CLISIS Systems (S		9		
			201			
MOUNTING:		untertop Attached) SMS to ¾" plywoo		ECO	U.	
MOUNTING:		SMS to ¾" plywoo		ECO	RESONANT FREQUE	NCY (Hz.)
MOUNTING: Width	(4) – #10 x 3/4"	SMS to ¾" plywoo		Longit. (X)-Axis	RESONANT FREQUENT Transv. (Y)-Axis	NCY (Hz.) Vert. (Z)-Axis
	(4) – #10 x 3/4"	SMS to ¾" plywoo	FOR COD			
Width 17.32	DIMENSIONS (in	.) Height 7.48	od. COD Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis
Width 17.32	DIMENSIONS (in Depth 10.63	.) Height 7.48	od. COD Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis 48.08
Width 17.32 ICC-ES AC156 SH	DIMENSIONS (in Depth 10.63	.) Height 7.48 PARAMETERS	Weight (lb.)	Longit. (X)-Axis >50 A _{RIG-H} (G)	Transv. (Y)-Axis >50	Vert. (Z)-Axis 48.08 CODE: 2019 CBC

UUT-2005-8 RadiForce (23.0") Multitouch Color LCD Monitor w/ GMM Des
--

001 2000 0	Madii Oice	(25.0) Walt	itouch color	LCD WOULDS	VI CIVIIVI DESK I	Mount Kit	
MANUFACTURER :	EIZO / GMM	1					
IDENTIFICATION:	Model No.: MS236\ S/N: 24244099	NT ORA		OO			
DESCRIPTION:	Component of CL	LISIS Systems (S	Seismic Version)				
	Includes Desk Mo	ount Kit:					
	GMM Desk Mour Part No.: 162396					uura)	
MOUNTING:	Rigid Base (Cour (4) – #10 x 3/4" S	ntertop Attached) SMS to ¾" plywoo	with od.				
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis	
21.93	9.75	21.0	22.5	4.32	7.45	11.75	
ICC-ES AC156 SH	IAKE TABLE TEST P	ARAMETERS				CODE: 2019 CBC	
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	3.2	2.4	1.68	0.68	

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.



ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 5 OF 5

UUT-2005-9	Monitor E	Extender B	ох				
MANUFACTURER :	GENERAL ME	DICAL MERAT	E SpA (GMM)				
IDENTIFICATION:	Type No.: O-D40 S/N: N/A	000RF-PDT (EXT	Box)				
DESCRIPTION:	Component of Version)	CLISIS System	ns (Seismic				
MOUNTING:		ountertop Attacl		DE CO.			
	DIMENSIONS (in.)	P	LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Weight (lb.)	Longit. (X)-Axis	Transv. (Y)-Axis	Vert. (Z)-Axis	
8.25	9.75	5.5	3.5	>50	>50	14.86	
ICC-ES AC156 S	HAKE TABLE TES	T PARAMETERS	OSP-0	0710	m l	CODE: 2019 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	η: M 3l amm	nad Ka lil m	1.68	0.68	
Unit satisfied AC	156 requirements fo	r <mark>structu</mark> ral integr	ity and manufacture	r requirements for functi	onality after AC156 test.		

