

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

"Highlish.				
APPLICATION FOR HC	OFFICE USE ONLY APPLICATION #: OPM-0725			
MANUFACTURER'S CE				
HCAI Preapproval of Manufac	turer's Certification (OPM)			
Type: X New Renewa	I/Update			
Manufacturer Information				
Manufacturer: Carestream Health				
Manufacturer's Technical Represe	ntative: Christopher Kralles			
Mailing Address: 1049 Ridge Road	d West, Rochester, NY 14615			
Telephone: (800) 328-2910	Email: christopher.kralles@c	arestreamhealth.com		
	JED MINIS			
Product Information				
Product Name: DRX-Evolution Plu	s Patient Table OPM-0725			
Product Type: Transformer	 			
Product Model Number: N/A	BY: William Staehlin			
General Description: Fluoroscopy	and general radiology imaging			
	DATE. 05/10/2024	200		
Applicant Information				
Applicant Company Name: EASE	LLC.	/		
Contact Person: Tiffany Tonn	BUILDING			

Title: Office Assitant

Telephone: (406) 541-3273

"A healthier California where all receive equitable, affordable, and quality health care"

Mailing Address: 1515 FAIRVIEW AVE, STE 205, MISSOULA, MT 59801

HCA

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

Email: tiffany@easeco.com



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

Registered Design Professonal Preparing Engineering Recommendations								
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: jor	Email: jon@EASECo.com							
HCAI Special Seismic Certification Preapproval (OSP)								
X Special Seismic Certification is preapproved under OSP	OSP Number: OSP-0807 (Currently Under Review)							
OP CO	ODE							
Certification Method								
Certification Method								
Testing in accordance with: ICC-ES AC156 F	M 1950-16							
Other(s) (Please Specify):	-0725							
	ding Standards Code, 2022 (CBSC 2022) for component supports cerior partition wall, and suspended ceiling seismic bracings, test sed when approved by HCAI prior to testing.							
X Analysis								
Experience Data	/10/2024							
Combination of Testing, Analysis, and/or Experience Data	i (Please Specify):							
PNI								
HCAI Approval								
Date: 5/10/2024								
Name: William Staehlin	Title: Senior Structural Engineer							
Condition of Approval (if applicable):								

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STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY



5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622

The Department of Health Care Access and Information
PREAPPROVAL OF MANUFACTURER'S CERTIFICATION
OPM-0725

THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE

MANUFACTURER:

CARESTREAM HEALTH, INC

EQUIPMENT NAME: DRX EVOLUTION PLUS PATIENT TABLE

Sheet: 1 of 8

Date: 5/7/24

GENERAL NOTES

- 1. THIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2022 CBC
- 2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED ABOVE FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
- 3. THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THAN 1.90, 2.50 & 2.00. SEE DETAIL FOR APPLICABILITY
- 4. FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3,
 - WHERE SDS = 1.90, a_p = 1.0, I_p = 1.5, R_p = 1.5, z/h = 0 AT CONCRETE SLAB. SEE FOLLOWING SHEETS FOR Ω_0
 - WHERE SDS = 2.50, a_D = 1.0, a_D = 1.5, a_D = 1.5,
 - WHERE SDS = 2.00, a_p = 1.0, I_p = 1.5, z/h < 1 AT CONCRETE SLAB ON METAL DECK. SEE FOLLOWING SHEETS FOR Ω_0
- 5. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE.
- 6. ALL DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENGTH DESIGN.
- 7. CONCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING. (i.e. z/h < 1)
- 8. CONCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e. z/h = 0)

9. RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING

- A. PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL OTHER LOADS.
- B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2022 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PREAPPROVAL DOCUMENTS.
- C. VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.
- D. VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THI REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT. AND THIS OPM.
- E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).
- F. VERIFY THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE UNIT ATTACHMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN 18" OR 6hef FROM THIS UNIT'S ANCHORS.



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OF

CARESTREAM HEALTH, INC

DRX EVOLUTION PLUS PATIENT TABLE

DES. J. ROBERSON

JOB NO. 11-2327

DATE 5/7/24

SHEET 2

8 SHEETS

10. EXPANSION ANCHORS:

A. ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT.

Anchor Diameter	Concrete Type	Min. f'c (psi)	Anchor Type	ICC Report No.	Min. Embed.	Min. Spacing	Min. Edge Dist.	Min. Conc. Thickness	Torque Test	Direct Tension Test
3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	2"	6.75"	12"	See Detail "A"	30 FT-LB	N/A
5/8"	Normal Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	4"	12"	34"	6"	60 FT-LB	4539 lb
5/8"	Normal Weight	3000	HIITHY V3 (STAINLESS STEEL)	ESR-4868	6"	12"	32"	8"	N/A	6950 lb

- B. THIS PREAPPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE SLAB EDGES, 32" OR 34" AWAY MINIMUM (i.e. CORNER).

 SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES.
- C. TESTING AND SPECIAL INSPECTION OF EXPANSION ANCHORS SHALL

 BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY

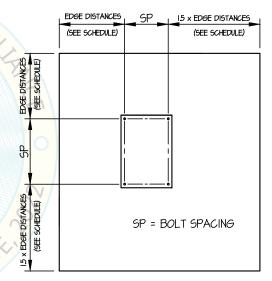
 EMPLOYED BY THE FACILITY OWNER PER CBC 1704A & 1910A.5 1-0725

 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR

 OF RECORD, OWNER AND THE ARCHITECT OR ENGINEER IN STACKLING RESPONSIBLE CHARGE.
 - (i) AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST OR TORQUE TEST AT LEAST 50% OF //2024 THE ANCHORS.
 - (ii) ACCEPTANCE CRITERIA:
 - DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE.
 - TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN THE FOLLOWING LIMITS: WEDGE TYPE: 1/2 TURN OF THE NUT
 - (iii) IF ANY ANCHOR FAILS, TEST ALL ANCHORS.
- D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB WHEN INSTALLING CONCRETE EXPANSION ANCHORS.
- E. PROVIDE FOR FULL THREAD ENGAGEMENT OF NUT & WASHER.

11. BOLTS THROUGH CONCRETE ON METAL DECK

- A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED. UNLESS OTHERWISE NOTED.
- B. THROUGH BOLT HOLES SHALL BE 1/16" LARGER THAN BOLT SIZE (HOLE SIZE = BOLT SIZE + 1/16) FOR CONCRETE.
- C. THROUGH-BOLTS IN CONCRETE SHALL RECEIVE SPECIAL INSPECTION AND TESTING (THROUGH BOLTS WITH STEEL TO STEEL CONNECTION IN TENSION DO NOT REQUIRE TENSION TESTING) IN ACCORDANCE WITH REQUIREMENTS FOR POST-INSTALLED ANCHORS.



TYPICAL CONCRETE EDGE DETAIL (SLAB ON GRADE ONLY)



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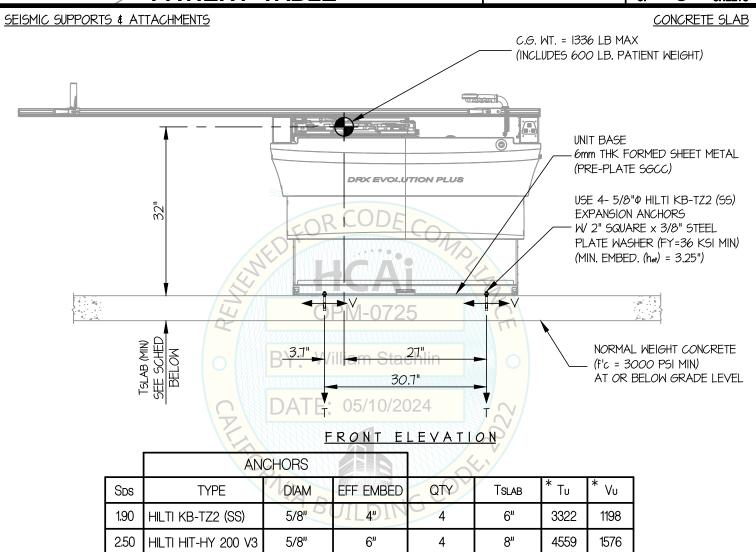
DES. J. ROBERSON

JOB NO. 11-2327

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3

of 8 SHEETS



NOTES:

- * VALUES INCLUDE Ω_0
- 1. FORCES ARE DETERMINED PER 2022 CALIFORNIA BUILDING CODE AND ASCE 7-16. STRENGTH DESIGN IS USED. (EXAMPLE: 2p = 1.0, p = 1.5, 2p =
- 2. THIS PREAPPROVAL ENCOMPASSES WEIGHTS AND VERTICAL CG POSITIONS UP TO THE VALUES SHOWN.
- 3. THIS PREAPPROVAL WAS PREPARED WITHOUT KNOWLEDGE OF ANY SITE CONDITION. COMPATIBILITY FOR USE WITH A SITE SHALL BE EVALUATED BY THE STRUCTURAL ENGINEER OF RECORD OF THE INSTALLATION (SEOR), USE REQUIRES APPROVAL BY THE SEOR.
- 4. STRUCTURAL ENGINEER OF RECORD FOR THE INSTALLATION SHALL VERIFY ALL CONDITIONS, EVALUATE INTERACTION WITH ADJACENT EQUIPMENT AND ANCHORS, AND PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.
- 5. EQUIPMENT WAS SEISMICALLY QUALIFIED THROUGH AC156 TESTING SEE OSP-0807
- 6. SEE GENERAL NOTES: SHEETS 1 AND 2



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SHEET

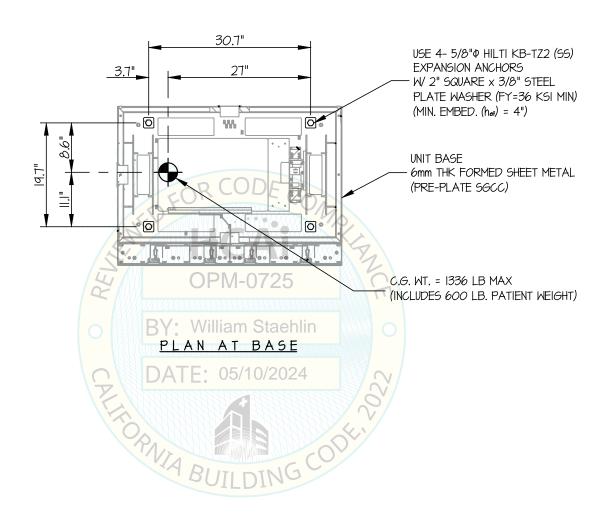
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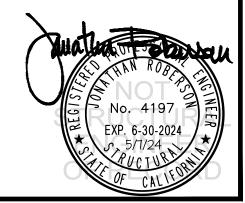
OF 8 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

Sps < 1.90

CONCRETE SLAB





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DATE

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5 5

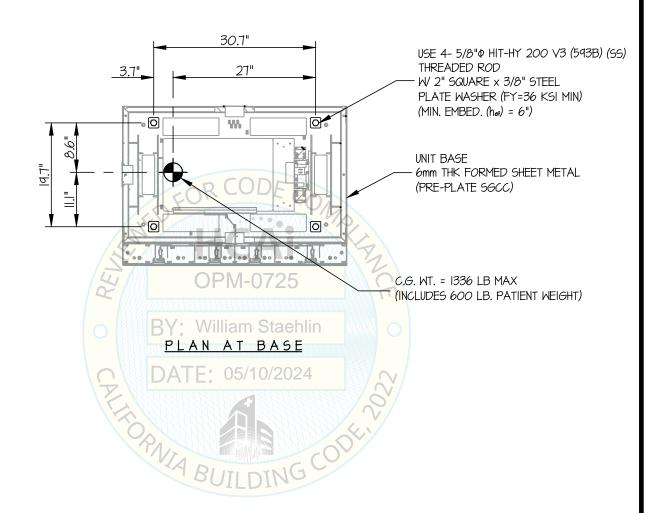
8 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

Sps < 2.50

CONCRETE SLAB ON METAL DECK

OF





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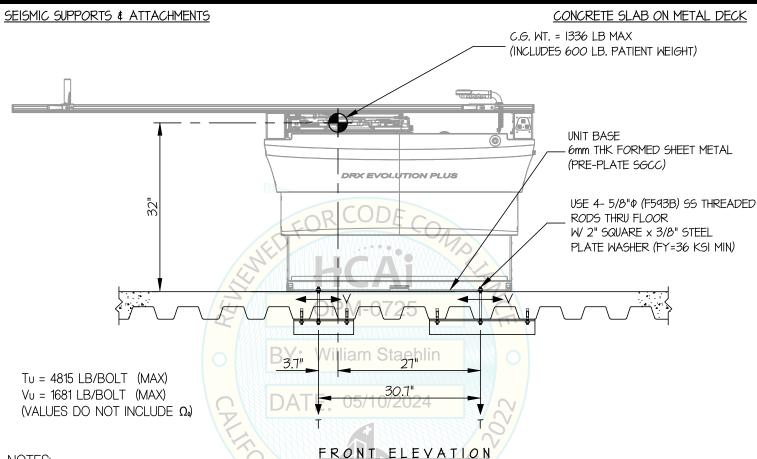
DATE

5/7/24

6

SHEET

8 sheets



NOTES:

FORCES ARE DETERMINED PER 2022 CALIFORNIA BUILDING CODE AND ASCE 7-16. STRENGTH DESIGN IS USED. (EXAMPLE: SDS = 2.00, 2p = 10, p = 1.5, p

HORIZONTAL FORCE (En) = 2.40 Wp

HORIZONTAL FORCE (Emh) = 4.80 Wp (FOR CONCRETE ANCHORAGE)

VERTICAL FORCE (Ev) = 0.40 Wp

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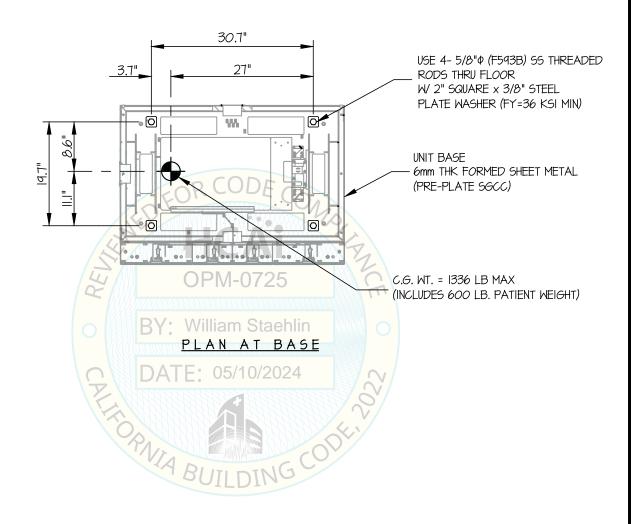
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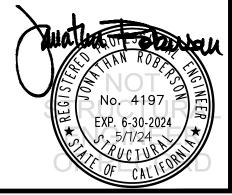
NEET

8 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

CONCRETE DETAIL





EASE

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

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DRX EVOLUTION PLUS PATIENT TABLE

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8HEET

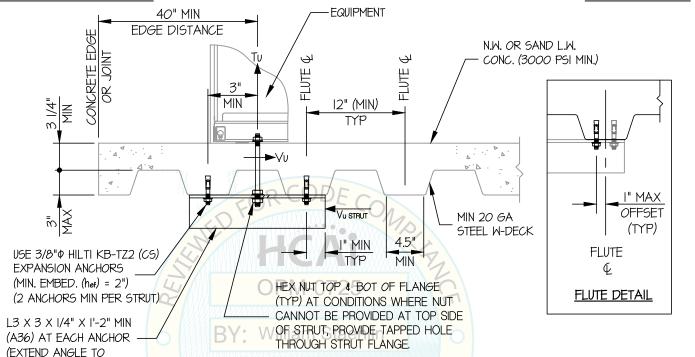
8 SHEETS

SEISMIC SUPPORTS & ATTACHMENTS

ADJACENT FLUTE WHEN

THREADED ROD OCCURS AT FLUTE)

CONCRETE DETAIL



MIN STEEL DECK REQUIREMENTS AND STRUT DETAIL

05/10/2024

OPNIA BUIL

