

APPLICATION FOR OSHPD PREAPPROVAL

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

OF MANUFACTURER'S CERTIFICATION (OPM) APPLICATION #: OPM-0216-13
OSHPD Preapproval of Manufacturer's Certification (OPM)
Type: ☐ New ☐ Renewal ☐ Update to Pre-CBC 2013 OPA Number: 2417-07
Manufacturer Information
Manufacturer: IMRIS, Inc.
Manufacturer's Technical Representative: Meir Dahan
Mailing Address: 5101 Shady Oak Road, Minnetonka, MN 55343
Telephone: _(763) 203-6306
Product Information
Product Name: IMRIS Skyra and Aera Magnet and Magnet Mover Systems
Product Type: MRI Scanner OPM-0216-13
Product Model Number: MR30 (3T MR) and MR15 (1.5T MR)
General Description: Overhead mounted rail and transport system that adapts a convention floor-mounted MRI scanner
and allows travel in and out of an operating room. The system provides on-demand high resolution MR images during
surgery.
Applicant Information
Applicant Company Name: IMRIS, Inc.
Contact Person: Meir Dahan
Mailing Address: 5101 Shady Oak Road, Minnetonka, MN 55343
Telephone: (763) 203-6306 Email: _mdahan@imris.com
I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2013.
Signature of Applicant: Date: April 1, 2015
Title: EVP R&D/CTO Company Name: IMRIS, Inc.

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





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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

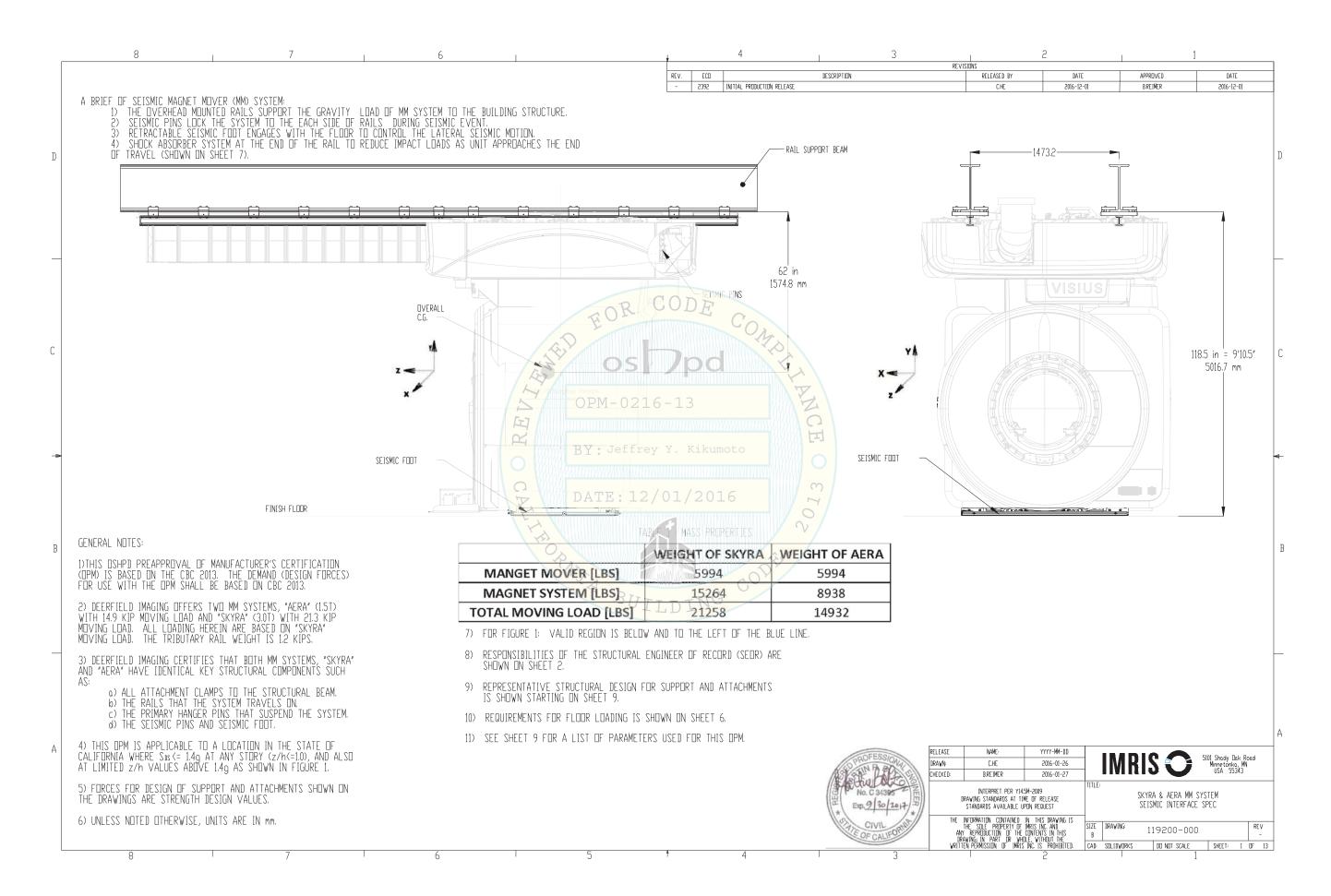
Registered Design Professional Preparing Engineering Recommendations		
Company Button Engineering Name:		
Name: Martin Button, Ph.D., P.E.	California License Number: C 34396	
Mailing Address: 4701 Shoal Creek Blvd., Au	ıstin, TX 78756	
Telephone: (512) 452-0628	Email: martin.button@sbcglobal.net	
OSHPD Special Seismic Certification Preapproval (OSP)		
 □ Special Seismic Certification is preapprov (Separate application for OSP is required) □ Special Seismic Certification is not preapproved. 		
Certification Method(s)	CODY	
_	S AC156	
qualification of differences, in accordance with	the Design / Analysis Criteria document accompanying this application.	
supports and attachments are not permitted. For bracings, test criteria other than those adopted	e California Building Standards Code, 2013 (CBSC 2013) for component or distribution system, interior partition wall, and suspended ceiling seismic in the CBSC 2013 may be used when approved by OSHPD prior to testing. BY: Jeffrey Y. Kikumoto	
Z / manyore	77 A T T T T T T T T T T T T T T T T T T	
	DATE: 12/01/2016 Experience Data (Places Specify): Design of typical rail become and	
their attachment to the structure will be in acco	Experience Data (Please Specify): Design of typical rail beams and rdance with ASCE 7-10 and AISC 341-10.	
List of Attachments Supporting the Manufacturer's Certification		
☐ Test Report ☐ Drawings	Calculations	
_	Analysis Criteria document for OSHPD review and approval. Once the	
	nd drawings will be submitted to support the Manufacturer's Certification.	
OFFICE USE ONLY - OSHPD APPROVAL V	ALID FOR CBC 2013 ONLY	
Signature:	Date: 12-01-2016	
Print Name: Jeffrey Kikumoto		
Title: SSE		
Condition of Approval (if applicable):		

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RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD (SEOR): 1) VERIFY THE INSTALLATION IS SUCH THAT S_{DS} LIES IN THE VAILD REGION OF FIGURE 1. 2) CHECK THAT THE BUILDING CONFIGURATION IS SUCH THAT HE LIMITS OF APPLICABILITY FOR THE REPRESENTATIVE SUPPORTS AND ATTACHMENTS DESIGN PROVIDED WITH THIS OPM ARE MET. 3) IF THE LIMITS OF THE APPLICABILTLY FOR THE SUPPORTS AND ATTACHMENTS ARE MET, VERIFY THAT THE STRUCTURE IS ADEQUATE FOR THE FORCES EXERTED ON IT AT THE ATTACHMENTS POINTS, AS DEFINED IN THIS OPM. 4) IF THE LIMITS OF APPLICABILITY FOR SUPPORTS AND ATTACHMENTS ARE NOT MET, DESIGN THE SUPPORTS AND ATTACHMENTS (1) ACCORDING TO THE SEISMIC PARAMETERS LISTED ON SHEET 8 AND (2) FOR DEFLECTION CRITERIA PROVIDED BY IMRIS AND VERIFY THAT THE STRUCTURE IS ADEQUATE FOR THE FORCES EXERTED ON IT AT THE ATTACHMENT POINTS. FIGURE 1: Valid Region for OPM 0216-13 5) CHECK THE DEFLECTION OF THE BASE STRUCTURE CAUSED BY THE MOVING LOADS. (below and to left of blue line) 1.0 6) DESIGN FOR THE VERTICAL SEISMIC FORCE ON THE FLOOR BELOW THE MM, AS LISTED IN THE NOTE AT THE TOP OF SHEET 6 OF THIS OPM. 0.9 7) VERIFY THAT THE INSTALLATION IS IN CONFROMANCE WITH THE 2013 CBC AND THE DETAILS SHOWN ON THIS OPM. VERITY THAT THE EQUIPMENT'S ACTUAL WEIGHT, MASS PROPERTIES, ANCHOR LOCATIONS, AND DETAILS OF MATERIAL AND THICKNESS OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH INFORMATION SHOWN IN THIS OPM. 0.8 0.7 0.6 EVZ 0.5 0.4 0.3 LIMITS OF APPCICABILITY FOR REPRESENTATIVE SUPPORTS AND ATTACHMENTS DESIGN SHOWN STARTING ON SHEET 0.2 1) $(z/h) \le 1$ 0.1 2) Sos LIES IN THE VALID REGION OF FIGURE 1. 0.0 3) COLUMN SPACING ≤ 30'-0" IN BOTH HORIZONTAL DIRECTIONS. 0.8 1.0 1.2 1.4 1.6 1.8 0.0 0.2 0.4 0.6 4) DISTANCE FROM TOP OF FLOOR SLAB TO SLAB SOFFIT ABOVE ≤ 16'-7.5". Sps (g) 5) THE BRACE ANGLE WITH THE HORIZONTAL, 0, SHALL BE IN THE RANGE OF 45°≤ 0≤60°. 6) SPACING OF FLOOR FRAMING BEAMS ≤ 10'-0". 7) RAIL BEAMS SHALL BE CENTERED BETWEEN FLOOR FRAMING BEAMS ABOVE. 8) THE PARKED POSITION SHALL BE 12'-43/4' ± 43/4' FROM THE NEAREST COLUMN LINE. 9) THE CENTERLINE OF THE RAIL BEAM NOTCH FOR THE PARTITION SHALL BE 2'-0" FROM THE NEAREST COLUMN LINE. THE NOTCH SHALL BE NO LONGER THAN 10 INCHES AND NO DEEPER THAN 10 INCHES. 10) THE MM INSTALLATION SHALL BE A TWO-ROOM CONFIGURATION, THREE-ROOM CONFIGURATIONS REQUIRE CUSTOM SUPPORTS RELEASE DRAWN: C.HE 2016-01-26 B.REIMER INTERPRET PER Y14.5M-2009 DRAWING STANDARDS AT TIME OF RELEASE STANDARDS AVAILABLE UPON REDUEST SKYA & AERA MM SYSTEM SEISMIC INTERFACE SPEC 119200-000 DO NOT SCALE SHEET: 2 OF 13

