

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

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APPLICATION FOR HCAI PRE	APPROVAL OF	OFFICE USE ONLY
MANUFACTURER'S CERTIFIC	APPLICATION #: OPM-0547	
HCAI Preapproval of Manufacturer's C	ertification (OPM)	
Type: New X Renewal/Update		
Manufacturer Information		
Manufacturer: Smoke Guard, Inc.		
Manufacturer's Technical Representative: He	erb Kaup	
Mailing Address: 287 N. Maple Grove, Boise	, ID 83704	
Telephone: (208) 639-7871	Email: herb@smokeguard.co	om
, si	ED MAN	
Product Information	HCAI	T
Product Name: Smoke Curtain	OPM-0547	
Product Type: Other mechanical and electric	cal components	
Product Model Number: M200 & M400 & M4	OBY: Jeffrey Kikumoto	
General Description: Closes off elevator ope	nings to curtail smoke migration bet	we <mark>en sp</mark> aces.
	DATE: 3/14/2023	2019
Applicant Information		Ç.
Applicant Company Name: SGW Designworl	(SV)	
Contact Person: Mike Witt	BOILDING	

Title: COO

Telephone: (208) 391-4019

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

Mailing Address: 3131 W. State St, suite 230, Boise, ID 83703





Email: mike.witt@sgwdesignworks.com



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal Preparing Engineering Recommendations
Company Name: STRUCTURAL ENGINEERING CONSULTANTS
Name: Patrick D Van Kleek California License Number: CE49971
Mailing Address: 410 South Orchard St, Suite 116, Boise, ID 83705
Telephone: (280) 887-7760 Email: pat@secidaho.com
HCAI Special Seismic Certification Preapproval (OSP)
Special Seismic Certification is preapproved under OSP OSP Number:
OD CODE O
Certification Method
Testing in accordance with: ICC-ES AC156 FM 1950-16
Other(s) (Please Specify): OPM-0547
*Use of criteria other than those adopted by the California Building Standards Code, 2019 (CBSC 2019) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2019 may be used when approved by HCAI prior to testing.
X Analysis
Experience Data DATE: 3/14/2023
Combination of Testing, Analysis, and/or Experience Data (Please Specify):
CODE.
HCAI Approval
Date: 3/14/2023
Name: Jeffrey Kikumoto Title: Senior Structural Engineer
Condition of Approval (if applicable):

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





OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0547-19

THIS PREAPPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE

MANUFACTURER: SMOKE GUARD

EQUIPMENT NAME: M200, M400, AND M400B SMOKE CURTAIN

PatrickID.
Vankleek

C49971 F

CIVIL

OF CALIFO

Digitally signed by Patrick D. Vankleek
Date: 03/13/2023

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GENERAL NOTES

- 1. THIS OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2019. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2019.
- 2. THIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTED BELOW FOR THE SPECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSENT.
- 3. THIS PRE-APPROVAL CONFORMS TO THE 2019 CALIFORNIA BUILDING CODE WHERE S_{DS} IS NOT GREATER THAN 2.5.
- 4. FORCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2, & 13.3-3.
- WHERE $S_{DS} = 2.5$, $a_P = 1.0$, $I_P = 1.5$, $R_P = 1.5$, $z/h \le 1$. SEE FOLLOWING SHEETS FOR APPLICABILITY OF Ω_0 .
- 5. THIS PRE-APPROVAL 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. SHEET METAL SCREWS SHALL BE TEKS SCREWS BY ITW BUILDEX (ICC ESR-1976).
- 8. CONCRETE WALL DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION. (i.e. z/h≤ 1)

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.

BY: Jeffrey Kikumoto

- B. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS, MATERIAL AND GAUGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PRE-APPROVAL DOCUMENTS.
- C. VERIFY THAT PROJECT SPECIFIC VALUES OF S_{DS} & z/h RESULT IN SEISMIC FORCES (Eh, Ev) THAT DO NOT B EXCEED THE VALUES ON THE DETAILS.
 - D. VERIFY THAT THE CONCRETE WALL TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT AND THIS OPM.
 - E. VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY CONCRETE WALL EDGES OR OPENINGS (SEE TYPICAL DETAILS 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.
 - G. DESIGN BACKING BARS, STUDS, ETC. WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS.

MANUFACTU	IRER:			NAME	DATE		
Sı	mok	e Gı	Jard	DRWN BY	J. WALIN	5/15/2019	
PRODUCT:				ENG APPR.			
M200 & M400 & M400B				CHKD BY	SC	4/22/2020	
REV:	SIZE:	Α	SHEET 1 OF 10	CUST. APPR.			

PROPRIETARY & CONFIDENTIAL

THE INFORMATION CONTAINED IN
THIS DRAWNING IS THE SOLE
PROPERTY OF
SMOKE GUARD ANY
REPRODUCTION IN PART
OR AS A WHOLE
WITHOUT THE WRITTEN
PERMISSION OF
SMOKE GUARD
IS PROHIBITED.



10. EXPANSION ANCHORS: A) ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT. Anchor Concrete Min. Fc [psi] Anchor Space Report No. Embad. Spacing. Edge Dist. Thickness Tocque Templor Thickness Tocque Templor Report No. Embad. Spacing. Edge Dist. Thickness Tocque Templor No. Embad. Spacing. Edge Dist. Thickness Templor No		1		2			3		4		5	
Dicember Type Milit PC (ESI) Type Report No. Embed. Spacing, Edge Dist. Thickness Torque Tension 1/4" Normal 3000 BHill Kwik, 22 ESR 3027 1.92" 6" 6" 6" 18 FT LB 799lo B) THIS PRE-APPROVAL ALLOWS FOR UP TO A MAXIMUM OF 2 ADJACENT CONCRETE WALL EDGES, 6" AWAY MINIMUM (i.e CORNER). SEE ADJACENT DETAIL FOR ADDITIONAL MINIMUM ALLOWABLE CONCRETE EDGE DISTANCES. C) TESTING AND SPECIAL INSPECTION OF SCREW ANCHORS SHALL BE PREFORMED BY AN APPROVED INDEPENDENT AGENCY EMPLOYED BY THE FACILITY OWNER PER CBC 1704A & 1910A.5 AND CAC 7-149. ALL REPORTS SHALL BE SENT TO THE INSPECTOR OF RECORD, OWNER, AND THE ARCHITECT OR ENGINEER IN RESPONSIBLE CHARGE. i. AFTER AT LEAST 24 HOURS HAVE ELAPSED SINCE INSTALLATION, DIRECT PULL TENSION TEST AT LEAST 50% OF 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 AT THE WASHER BECOMES LOOSE. iii. IF ANY ANCHORS FAIL, TEST ALL'ANCHORS. 47 D) AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE WALL WHEN INSTALLING CONCRETE SCREW ANCHORS. BY JOHN OF STEEL STANDARD OF STEEL REINFORCING IN CONCRETE WALL WHEN INSTALLING CONCRETE SCREW ANCHORS. BY JOHN OF STEEL STANDARD OF STEEL REINFORCING IN CONCRETE WALL WHEN INSTALLING CONCRETE SCREW ANCHORS. BY JOHN OF STEEL STANDARD OF STEEL REINFORCING IN CONCRETE WALL WHEN INSTALLING CONCRETE SCREW ANCHORS. BY JOHN OF STEEL STANDARD OF STEEL REINFORCING IN CONCRETE WALL WHEN INSTALLING CONCRETE SCREW ANCHORS. BY JOHN OF STEEL STANDARD OF STEEL REINFORCING IN CONCRETE WALL WHEN INSTALLING CONCRETE WALL WHEN INSTALLING CONCRETE WALL WHEN INSTALLING SOME DISTORDER OF STEEL STANDARD OF	A) ATTACHMENT IS TO BE MADE WITH THE ANCHORS LISTED BELOW AND INSTALLED AS DESCRIBED IN THE CORRESPONDING ICC REPORT									D F		
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