DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM)

OFFICE USE ONLY

APPLICATION #: OPM-0678

HCAI Preapproval of Manufacturer's Certification (OPM)

Type: [X] New [ ] Renewal/Update

Manufacturer Information

Manufacturer: Smoke Guard Inc.

Manufacturer's Technical Representative: Dylan Edme

Mailing Address: 287 N. Maple Grove, Boise, ID 83704

Telephone: (808) 344-9234 Email: dylan.emde@smokeguard.com

Product Information

Product Name: Smoke Curtain

Product Type: Other mechanical and electrical components

Product Model Number: M2100 & M2100E

General Description: Closes off elevator openings to curtail smoke migration between spaces

Applicant Information

Applicant Company Name: SGW Designworks

Contact Person: Mike Witt

Mailing Address: 200 E 33RD ST, Garden City, ID 837146615

Telephone: (208) 391-4000 Email: mike.witt@sgwdesignworks.com

Title: Chief Operating Officer

Registered Design Professonal Preparing Engineering Recommendations

Company Name:

Name: Riley Mahaffey California License Number: CE51006

Mailing Address: 201 N Maple Grove Rd, Ste 100, Boise, ID 83704

Telephone: (208) 342-7168 Email:

HCAI Special Seismic Certification Preapproval (OSP)

☐ Special Seismic Certification is preapproved under OSP OSP Number:

Certification Method

Testing in accordance with: ☐ ICC-ES AC156 ☐ FM 1950-16

☐ Other(s) (Please Specify):

*Use of criteria other than those adopted by the California Building Standards Code, 2022 (CBSC 2022) 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 2022 may be used when approved by HCAI prior to testing.

☒ Analysis

☐ Experience Data

☐ Combination of Testing, Analysis, and/or Experience Data (Please Specify):

HCAI Approval

Date: 9/8/2023

Name: Jeffrey Kikumoto Title: Senior Structural Engineer

Condition of Approval (if applicable):

OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

PREAPPROVAL OF MANUFACTURER'S CERTIFICATION

OPM-0678

THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE

MANUFACTURER: SMOKE GUARD

EQUIPMENT NAME: M2100/M2100E SMOKE AND FIRE CURTAIN

GENERAL NOTES

1. THIS OSHPD PRE-APPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2022. THE DEMANDS (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2022.
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 2022 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 ≤ 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. WOOD SCREWS SHALL BE SIMPSON SDWH19600DB (ER-192)
10. POST-INSTALLED MECHANICAL ANCHORS FOR MASONRY AND CONCRETE SHALL BE HILTI KH-EZ (ICC ESR-3056; USE IN MASONRY) & (ESR-3027; CRACKED CONCRETE).

11. 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 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 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 DIAGRAM TO RIGHT).

RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING (CONT.)

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 6h_{ef} FROM THIS UNIT'S ANCHORS.

G. DESIGN BACKING BARS, STUDS, ETC. WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS.

TEST CRITERIA AND ACCEPTANCE FOR THE SCREW ANCHORS

ANCHOR DIA	SUBSTRATE TYPE	MIN STRENGTH	ANCHOR TYPE	ICC REPORT	MIN EMBED	MIN SPACING	MIN EDGE DIST	MIN SUBSTRATE THICKNESS	TENSION TEST
1/4"	NW CONC	f'c ≥ 3000 psi	HILTI KH-EZ	3027	h_{ef} = 2.5"	1.5"	1.5"	6"	215 LBS.
1/4"	CMU	f'm ≥ 1500 psi	HILTI KH-EZ	3056	h_{ef} = 2.5"	4"	4"	8"	250 LBS.

B. REFER TO TABLE ABOVE FOR MIN EDGE DISTANCES (TO BE PROVIDED IN TWO DIRECTIONS)

C. TESTING AND SPECIAL INSPECTIONS OF POST INSTALLED ANCHORS MUST BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY EMPLOYED BY THE FACIITY 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 THE INSTALLATION, DIRECT PULL TENSION TEST AT LEAST 50% OF THE ANCHORS

ii. ACCEPTANCE CRITERIAL:

TENSION TEST: NO OBSERVABLE MOVEMENT AT THE TEST LOAD

iii. IF ANY ANCHOR FAILS, TEST ALL ANCHORS

D. AVOID DAMAGEING EXISTING STEEL REINFORCING IN SUBSTRATE WHEN INSTALLING POST INSTALLED ANCHORS.

POST INSTALLED ANCHORS IN UNCRACKED, GROUT-FILLED CMU

POST INSTALLED ANCHORS DESIGNED TO ICC-ES AC106 ARE LIMITED TO ALLOWABLE STRESS DESIN ONLY IN ACCORDANC WITH AC106 PARAGRAPH 1.2

SEOR MUST VERIFY THAT:

1. MASONRY IS NOT CRACKED AS DEFINED IN AC106 PARAGRAPH 1.4.8; CALCULATION TO SHOW MASONRY WALL WOULD NOT CRACK UNDER DESIGN EARTHQUAKE LOADS UNDER ALL SERVICE CONDITIONS; WALL HAS TO REMIAN ELASTIC;
2. MASONRY WALL MUST BE FULLY GROUTED IN ACCORDANCE WITH ESR-3056 SECTION 5.0 IS SATISFIED

MANUFACTURER: SMOKE GUARD		NAME	DATE	PROPRIETARY & CONFIDENTIAL	
	DRWN BY	FITZGERALD	1/5/2023	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF	
PRODUCT: M2100/M2100E	ENG APPR.				
	CHKD BY				
REV: SIZE: A SHEET 1 OF 8	CUST. APPR.	No		IS PROHIBITED.	

DESIGNWORKS

REGISTERED PROFESSIONAL ENGINEER
RILEY JAY MAHAFFEY
NO. C51006
EXP. 9/30/2023
09/08/23
CIVIL
STATE OF CALIFORNIA

SEISMIC ATTACHMENT

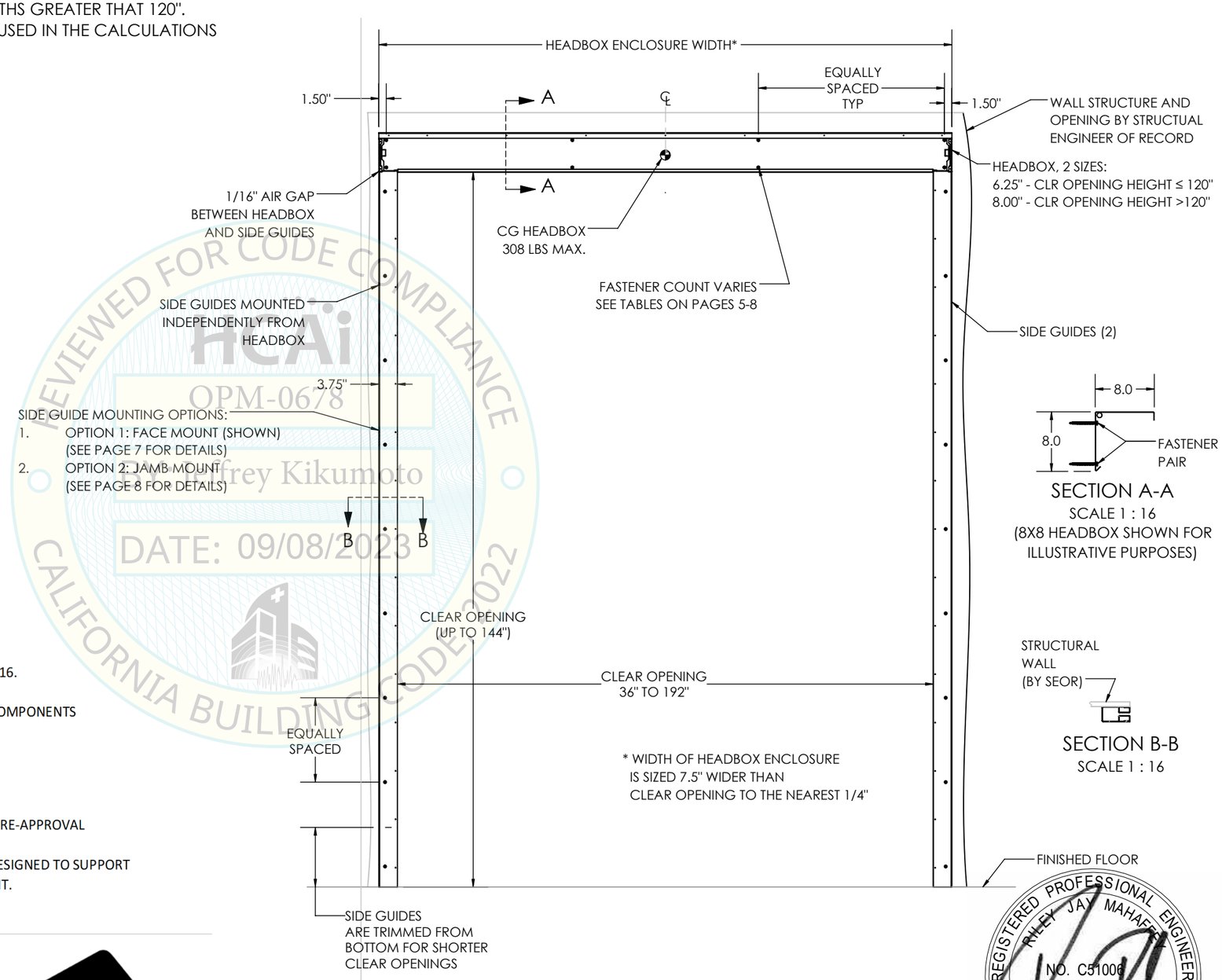
THE FOLLOWING DETAILS THE ATTACHMENT AND SEISMIC SUPPORTS, FOR APPROVED USE CASES, FOR THE SMOKE GUARD M2100 AND M2100E PRODUCTS.
THE M2100E (EGRESS) DIFFERS FROM THE M2100 IN THAT IT CONTAINS EXTRA COMPONENTS THAT ADD TO THE WEIGHT OF THE UNIT AND IT IS NOT AVAILABLE FOR CLEAR OPENING WIDTHS GREATER THAT 120".
TO PROVIDE FOR WORST CASE CONDITIONS, WEIGHTS FOR THE M2100E ARE USED IN THE CALCULATIONS FOR UNITS WITH A CLEAR OPENING OF ≤ 120"

NOTES:

1. FORCES ARE DETERMINED PER 2022 CALIFORNIA BUILDING CODE SECTION 1603A.3 AND ASCE 7-16.
2. STRENGTH DESIGN IS USED WITH THE FOLLOWIG SEISMIC FACTORS:
   S_{DS} = 2.5g, a_p = 1.0, I_p = 1.5, R_p = 1.5, z/h ≤ 1, Ω_0 = 1.5 PER ASCE 7-16 TABLE 13.5-1, OTHER RIGID COMPONENTS

   HORIZONTAL FORCE (Eh) = 3.0 Wp
   HORIZONTAL FORCE (Emh) = 4.5 Wp
   VERTICAL FORCE (Ev) = 0.5 Wp
   (Emh = Eh X Ω_0; FOR CONCRETE ANCHORAGE)
3. CENTER OF GRAVITY (C.G.) AND WEIGHT ARE THE GOVERNING PARAMETERS FOR DESIGN. THIS PRE-APPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
4. STRUCTURAL ENGINEER OF RECORD FOR THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT WEIGHTS AND FORCES SHOWN IN COMBINATION WITH ALL OTHER LOADS THAT MAY BE PRESENT.

WALL MOUNTED



SECTION A-A
SCALE 1 : 16
(8X8 HEADBOX SHOWN FOR ILLUSTRATIVE PURPOSES)

SECTION B-B
SCALE 1 : 16

FRONT ELEVATION
(M2100/M2100E - AS SHOWN DURING INSTALLATION TO WALL)

MANUFACTURER:		NAME	DATE
SMOKE GUARD	DRWN BY	FITZGERALD	1/5/2023
PRODUCT:	ENG APPR.		
M2100/M2100E	CHKD BY		
REV: / SIZE: A / SHEET 2 OF 8	CUST. APPR.	No	

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EXP. 9/30/2023
09/08/23
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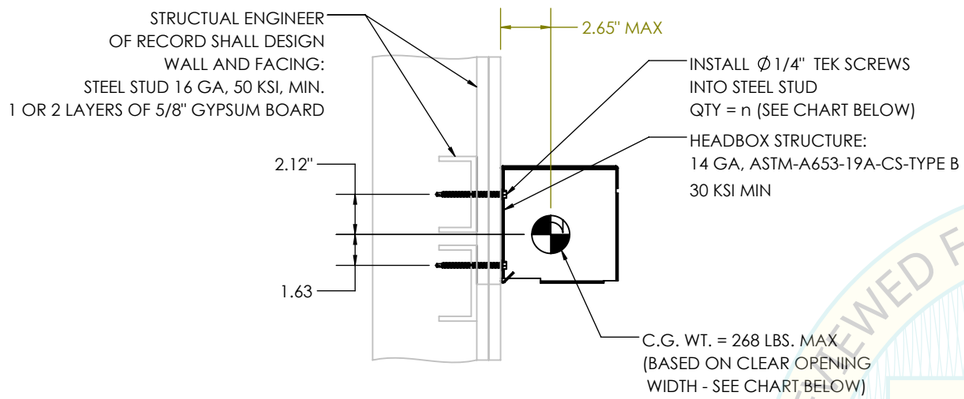
STATE OF CALIFORNIA

SEISMIC ATTACHMENT
FOR MOUNTING HEADBOX TO STEEL STUD WALL

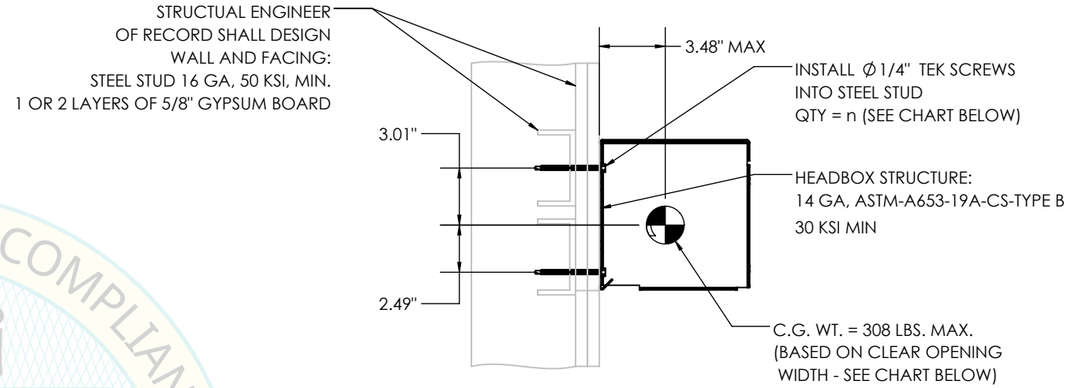
SECTION AT STEEL STUD WALL, 6.25 HEADBOX
(M2100/M2100E WITH CLEAR OPENING HEIGHT ≤ 120")



Clear Opening Width (inch) from	to	Max. Weight (lbs.)	Screw Count n	T_{max}	V_{max}
36.00	48	92	4	104	57
48.25	60	106	4	119	66
60.25	72	120	8	69	37
72.25	84	136	8	78	42
84.25	96	149	8	84	46
96.25	108	171	8	96	53
108.25	120	191	8	107	60
120.25	132	197	8	110	61
132.25	144	211	12	80	44
144.25	156	225	12	85	47
156.25	168	241	12	90	50
168.25	180	254	12	95	53
180.25	192	268	12	100	56

LOCATION OF CG VARIES SLIGHTLY WITH CLEAR OPENING WIDTH. DIMENSIONS SHOWN REPRESENT WORST CASE CONDITION FOR CALCULATIONS

SECTION AT STEEL STUD WALL, 8.00 HEADBOX
(M2100/M2100E WITH CLEAR OPENING HEIGHT > 120")



Clear Opening Width (inch) from	to	Max. Weight (lbs.)	Screw Count n	T_{max}	V_{max}
36.00	48	104	4	112	65
48.25	60	122	4	130	76
60.25	72	138	8	76	43
72.25	84	156	8	85	49
84.25	96	172	8	93	54
96.25	108	191	8	102	60
108.25	120	222	8	118	69
120.25	132	228	8	121	71
132.25	144	244	12	88	51
144.25	156	260	12	93	54
156.25	168	276	12	99	57
168.25	180	292	12	104	61
180.25	192	308	12	109	64

LOCATION OF CG VARIES SLIGHTLY WITH CLEAR OPENING WIDTH. DIMENSIONS SHOWN REPRESENT WORST CASE CONDITION FOR CALCULATIONS

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09/08/23
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STATE OF CALIFORNIA

MANUFACTURER:			NAME	DATE
SMOKE GUARD		DRWN BY	FITZGERALD	1/5/2023
PRODUCT:		ENG APPR.		
M2100/M2100E		CHKD BY		
REV:	SIZE: A SHEET 3 OF 8	CUST. APPR.	No	

PROPRIETARY & CONFIDENTIAL

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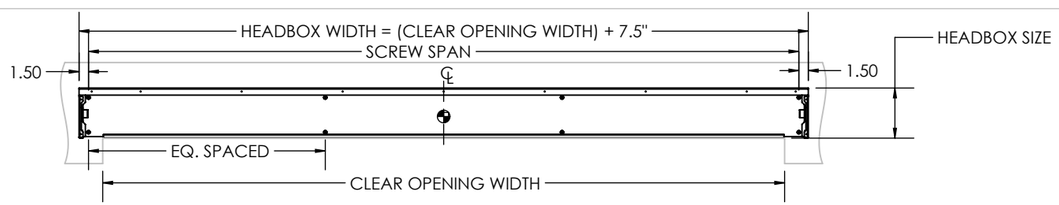
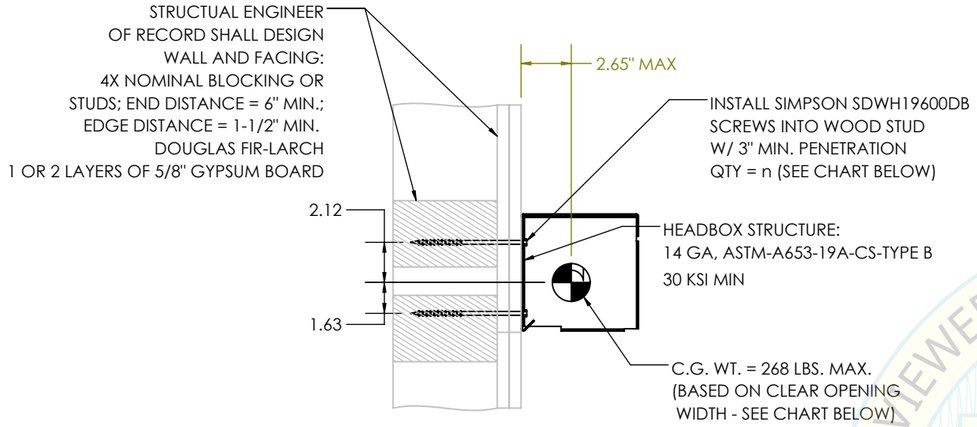
IS PROHIBITED.

SGW DESIGNWORKS



SEISMIC ATTACHMENT
FOR MOUNTING HEADBOX TO WOOD STUD WALL

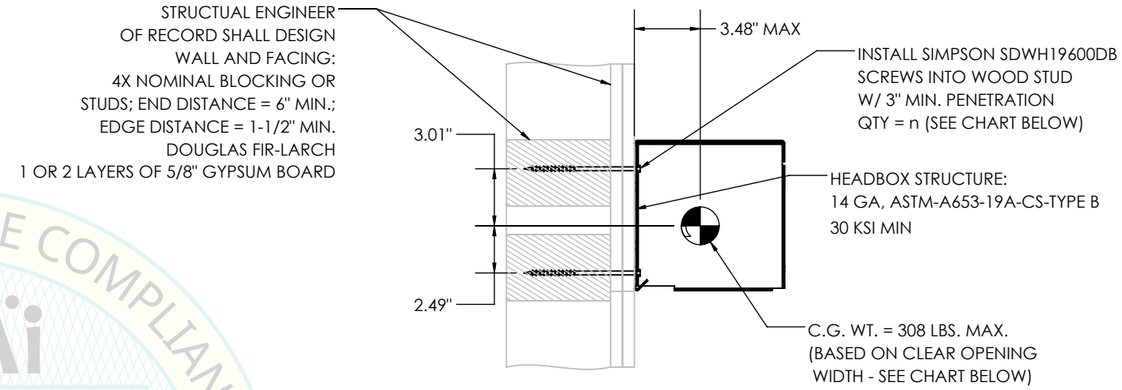
SECTION AT WOOD STUD WALL, 6.25 HEADBOX
(M2100/M2100E WITH CLEAR OPENING HEIGHT ≤ 120")



Clear Opening Width (inch) from	to	Max. Weight (lbs.)	Screw Count n	T_{max}	V_{max}
36.00	48	92	4	104	57
48.25	60	106	4	119	66
60.25	72	120	8	69	37
72.25	84	136	8	78	42
84.25	96	149	8	84	46
96.25	108	171	8	96	53
108.25	120	191	8	107	60
120.25	132	197	8	110	61
132.25	144	211	12	80	44
144.25	156	225	12	85	47
156.25	168	241	12	90	50
168.25	180	254	12	95	53
180.25	192	268	12	100	56

LOCATION OF CG VARIES SLIGHTLY WITH CLEAR OPENING WIDTH. DIMENSIONS SHOWN REPRESENT WORST CASE CONDITION FOR CALCULATIONS

SECTION AT WOOD STUD WALL, 8.00 HEADBOX
(M2100/M2100E WITH CLEAR OPENING HEIGHT > 120")



Clear Opening Width (inch) from	to	Max. Weight (lbs.)	Screw Count n	T_{max}	V_{max}
36.00	48	104	4	113	65
48.25	60	122	4	131	76
60.25	72	138	8	77	43
72.25	84	156	8	86	49
84.25	96	172	8	94	54
96.25	108	191	8	103	60
108.25	120	222	8	119	69
120.25	132	228	8	122	71
132.25	144	244	12	89	51
144.25	156	260	12	94	54
156.25	168	276	12	99	57
168.25	180	292	12	104	61
180.25	192	308	12	110	64

LOCATION OF CG VARIES SLIGHTLY WITH CLEAR OPENING WIDTH. DIMENSIONS SHOWN REPRESENT WORST CASE CONDITION FOR CALCULATIONS

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NO. C51006
EXP. 9/30/2023
09/08/23
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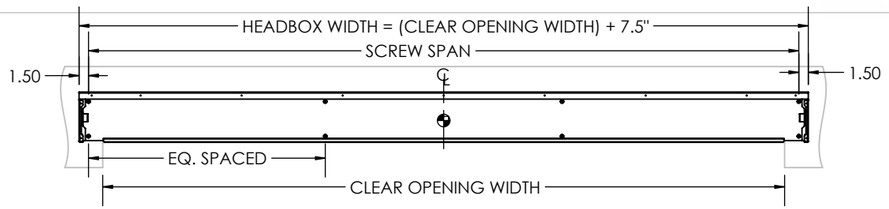
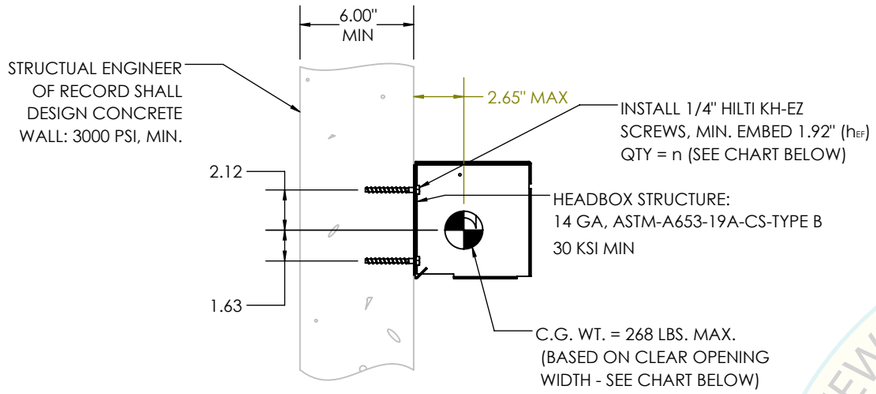
MANUFACTURER:				NAME	DATE
SMOKE GUARD			DRWN BY	FITZGERALD	1/5/2023
PRODUCT:			ENG APPR.		
M2100/M2100E			CHKD BY		
REV:	SIZE: A	SHEET 4 OF 8	CUST. APPR.	No	

DESIGNWORKS



SEISMIC ATTACHMENT
FOR MOUNTING HEADBOX TO CONCRETE WALL

SECTION AT CONCRETE WALL, 6.25 HEADBOX
(M2100/M2100E WITH CLEAR OPENING HEIGHT ≤ 120")

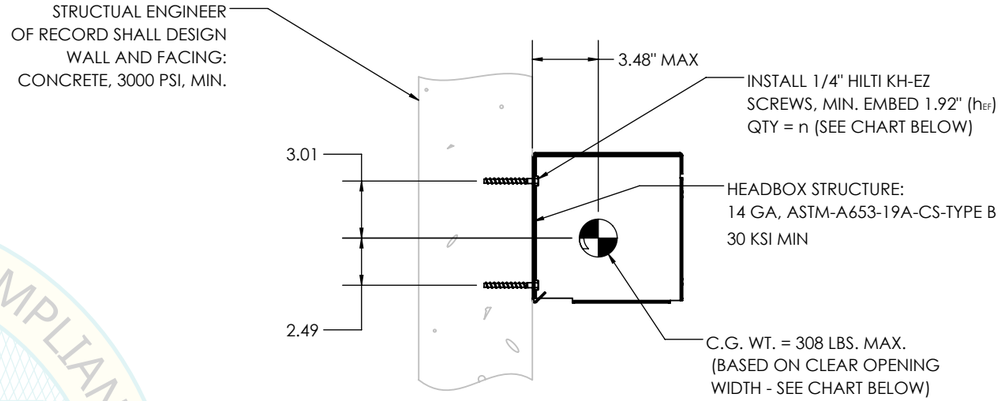


Clear Opening Width (inch) from	to	Max. Weight (lbs.)	Screw Count n	Tu, max	Vu, max
36.00	48	92	4	184	111
48.25	60	106	4	210	127
60.25	72	120	8	123	72
72.25	84	136	8	138	82
84.25	96	149	8	150	90
96.25	108	171	8	170	103
108.25	120	191	8	189	115
120.25	132	197	8	194	118
132.25	144	211	12	141	85
144.25	156	225	12	150	90
156.25	168	241	12	160	97
168.25	180	254	12	168	102
180.25	192	268	12	176	107

VALUES INCLUDE Ω_0

LOCATION OF CG VARIES SLIGHTLY WITH CLEAR OPENING WIDTH. DIMENSIONS SHOWN REPRESENT WORST CASE CONDITION FOR CALCULATIONS

SECTION AT CONCRETE WALL, 8.00 HEADBOX
(M2100/M2100E WITH CLEAR OPENING HEIGHT > 120")



Clear Opening Width (inch) from	to	Max. Weight (lbs.)	Screw Count n	Tu, max	Vu, max
36.00	48	104	4	202	125
48.25	60	122	4	234	147
60.25	72	138	8	139	83
72.25	84	156	8	154	94
84.25	96	172	8	168	103
96.25	108	191	8	185	115
108.25	120	222	8	213	133
120.25	132	228	8	218	137
132.25	144	244	12	159	98
144.25	156	260	12	168	104
156.25	168	276	12	178	111
168.25	180	292	12	187	117
180.25	192	308	12	196	123

VALUES INCLUDE Ω_0

LOCATION OF CG VARIES SLIGHTLY WITH CLEAR OPENING WIDTH. DIMENSIONS SHOWN REPRESENT WORST CASE CONDITION FOR CALCULATIONS

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EXP. 9/30/2023
09/08/23
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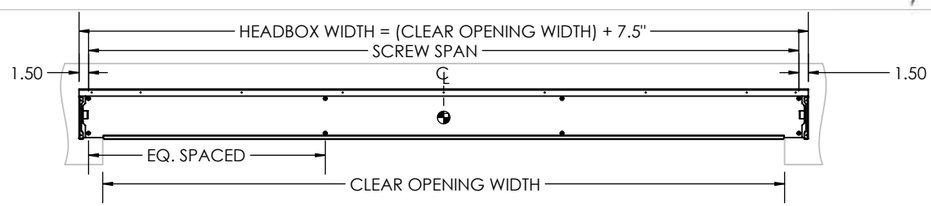
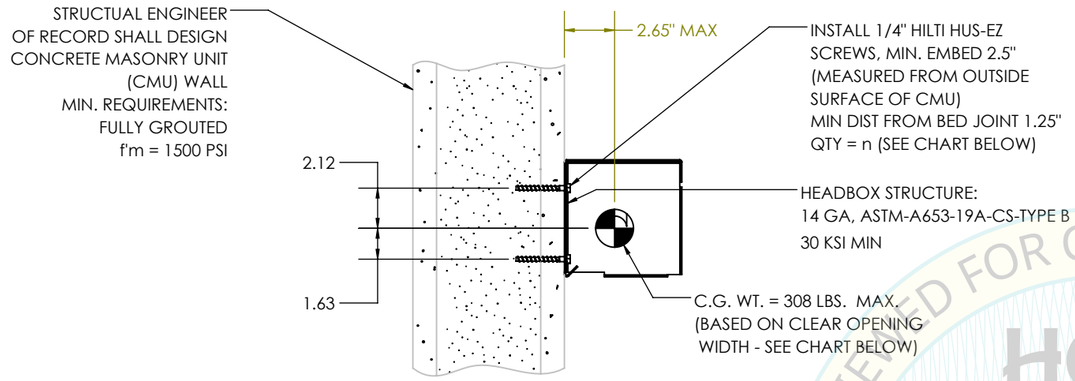
MANUFACTURER: SMOKE GUARD		NAME	DATE	PROPRIETARY & CONFIDENTIAL
	DRWN BY	FITZGERALD	1/5/2023	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF
PRODUCT: M2100/M2100E	ENG APPR.			
	CHKD BY			
REV: SIZE: A SHEET 5 OF 8	CUST. APPR.	No		IS PROHIBITED.

DESIGNWORKS



SEISMIC ATTACHMENT
FOR MOUNTING HEADBOX TO CMU WALL

SECTION AT CMU WALL, 6.25 HEADBOX
(M2100/M2100E WITH CLEAR OPENING HEIGHT ≤ 120")

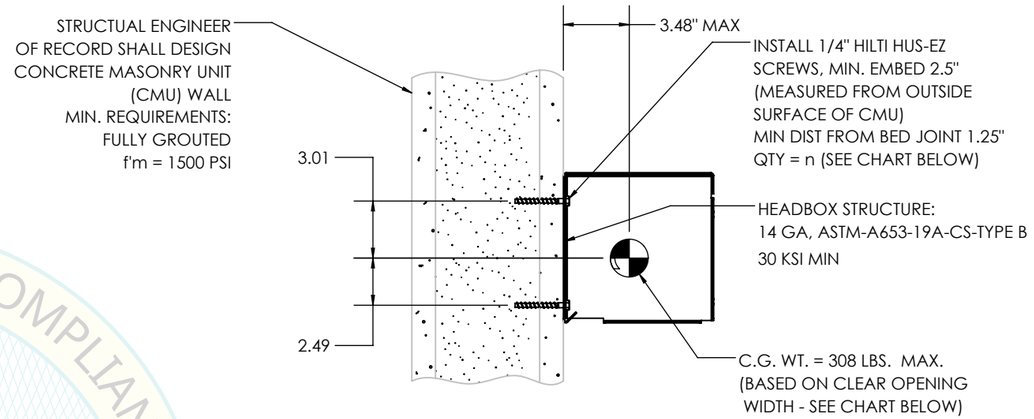


LOCATION OF CG VARIES SLIGHTLY WITH CLEAR OPENING WIDTH. DIMENSIONS SHOWN REPRESENT WORST CASE CONDITION FOR CALCULATIONS

Clear Opening Width (inch) from	to	Max. Weight (lbs.)	Screw Count n	(ASD) T_{max}	(ASD) V_{max}
36.00	48	92	4	134	79
48.25	60	106	4	153	91
60.25	72	120	8	89	51
72.25	84	136	8	100	58
84.25	96	149	8	109	64
96.25	108	171	8	124	73
108.25	120	191	8	138	82
120.25	132	197	8	141	84
132.25	144	211	12	103	60
144.25	156	225	12	109	64
156.25	168	241	12	116	69
168.25	180	254	12	122	73
180.25	192	268	12	129	77

VALUES INCLUDE Ω_0

SECTION AT CMU WALL, 8.00 HEADBOX
(M2100/M2100E WITH CLEAR OPENING HEIGHT > 120")



LOCATION OF CG VARIES SLIGHTLY WITH CLEAR OPENING WIDTH. DIMENSIONS SHOWN REPRESENT WORST CASE CONDITION FOR CALCULATIONS

Clear Opening Width (inch) from	to	Max. Weight (lbs.)	Screw Count n	(ASD) T_{max}	(ASD) V_{max}
36.00	48	104	4	147	89
48.25	60	122	4	170	105
60.25	72	138	8	100	59
72.25	84	156	8	112	67
84.25	96	172	8	122	74
96.25	108	191	8	134	82
108.25	120	222	8	155	95
120.25	132	228	8	158	98
132.25	144	244	12	115	70
144.25	156	260	12	122	74
156.25	168	276	12	129	79
168.25	180	292	12	136	83
180.25	192	308	12	143	88

VALUES INCLUDE Ω_0

* BASED ON LARGEST CLEAR OPENING WIDTH FOR THAT ROW GROUPING

REGISTERED PROFESSIONAL ENGINEER
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EXP. 9/30/2023
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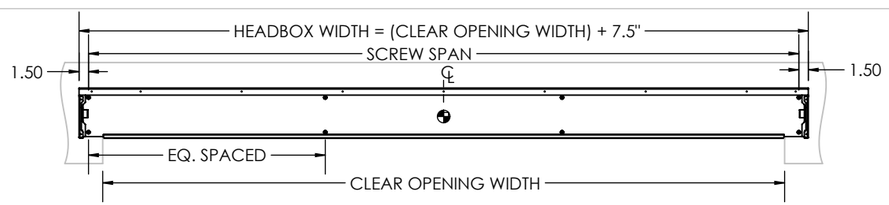
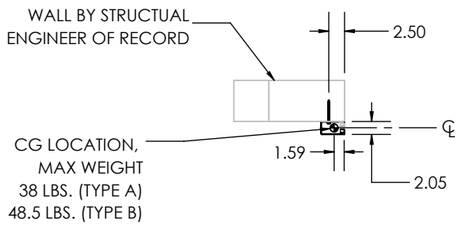
MANUFACTURER:			NAME	DATE
SMOKE GUARD		DRWN BY	FITZGERALD	1/5/2023
PRODUCT:		ENG APPR.		
M2100/M2100E		CHKD BY		
REV:	SIZE: A SHEET 6 OF 8	CUST. APPR.	No	

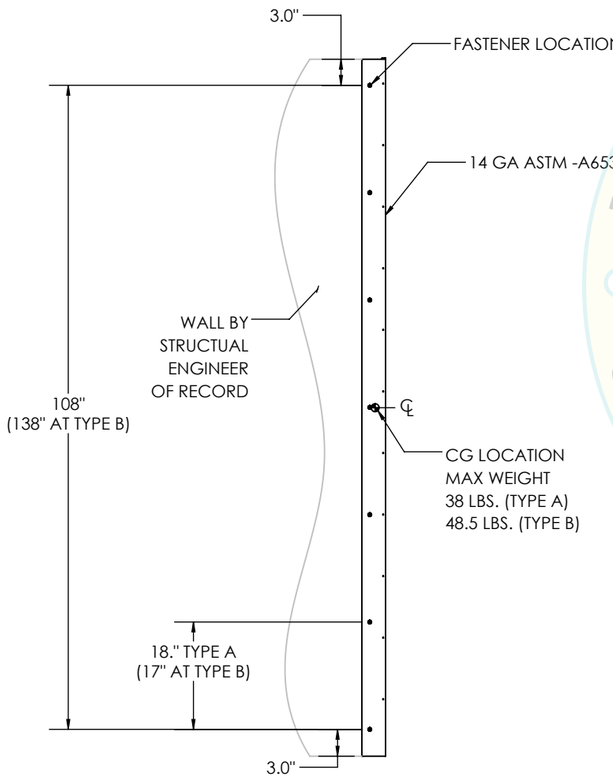
SGW DESIGNWORKS



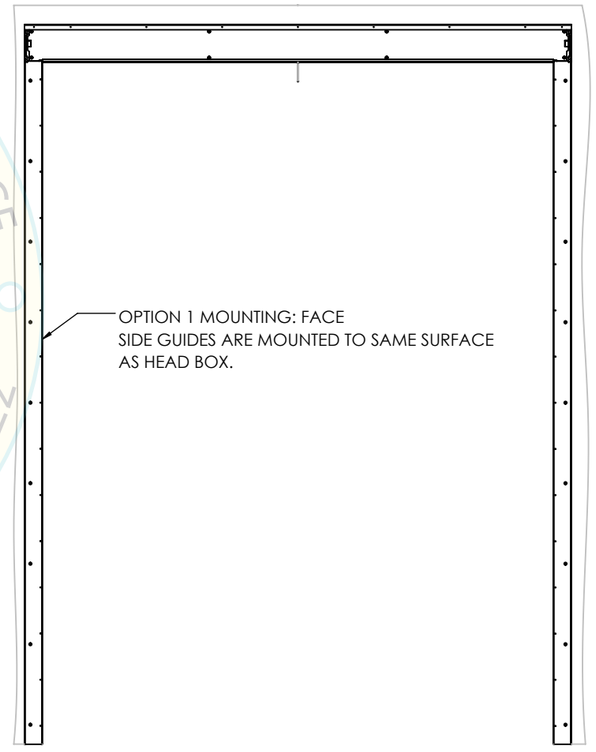
SESIMIC ATTACHMENT FOR SIDE GUIDES, OPTION 1: FACE MOUNT

TWO VARIETIES OF SIDE GUIDE ASSEMBLIES ARE AVAILABLE:
TYPE A: 9.5 FT. LONG WITH HOLE SPACING OF 18" ON CENTER
TYPE B: 12 FT. LONG WITH HOLE SPACING OF 17" ON CENTER
BOTH ARE OF THE SAME CROSS SECTION AND MATERIAL.
LEFT AND RIGHT GUIDE ASSEMBLIES ARE MIRRORED WITH LEFT GUIDE SHOWN BELOW.





TYPE A SHOWN FOR ILLUSTRATIVE PURPOSES
(7) SCREWS TOTAL AT TYPE A;
(9) SCREWS TOTAL AT TYPE B



MANUFACTURER: SMOKE GUARD		NAME	DATE	PROPRIETARY & CONFIDENTIAL	
	DRWN BY	FITZGERALD	1/5/2023	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF	
PRODUCT: M2100/M2100E	ENG APPR.				
	CHKD BY				
REV: SIZE: A SHEET 7 OF 8	CUST. APPR.	No		IS PROHIBITED.	

DESIGNWORKS

REGISTERED PROFESSIONAL ENGINEER
RILEY JAY MAHAFFEY
NO. C51006
EXP. 9/30/2023
09/08/23
CIVIL
STATE OF CALIFORNIA

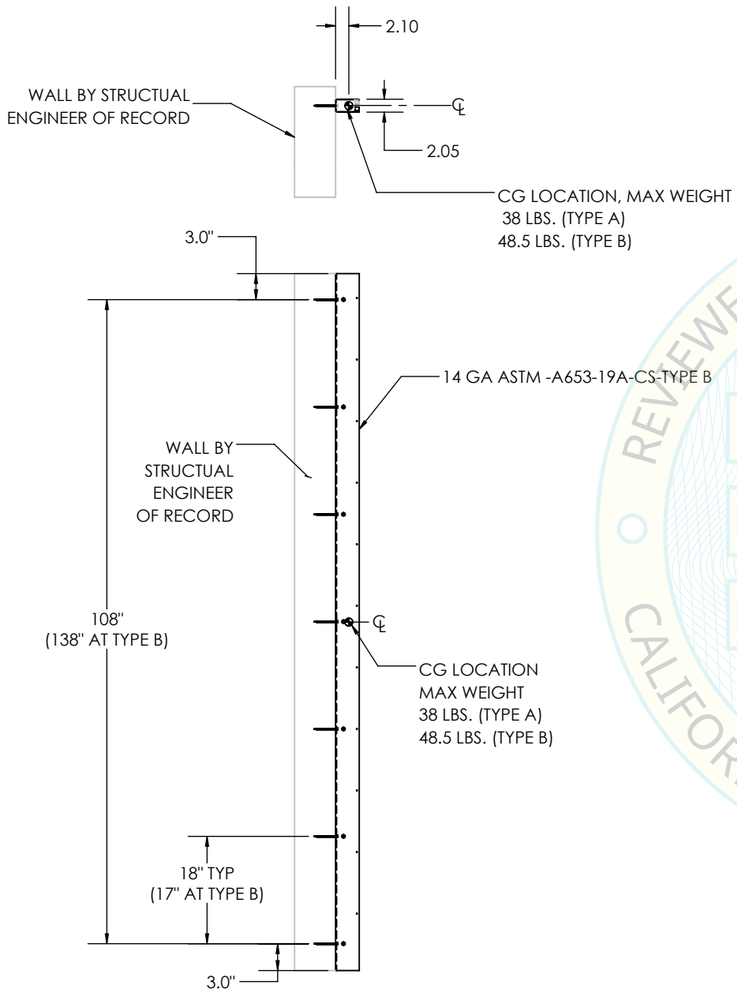
SESIMIC ATTACHMENT FOR SIDE GUIDES, OPTION 2: JAMB MOUNT

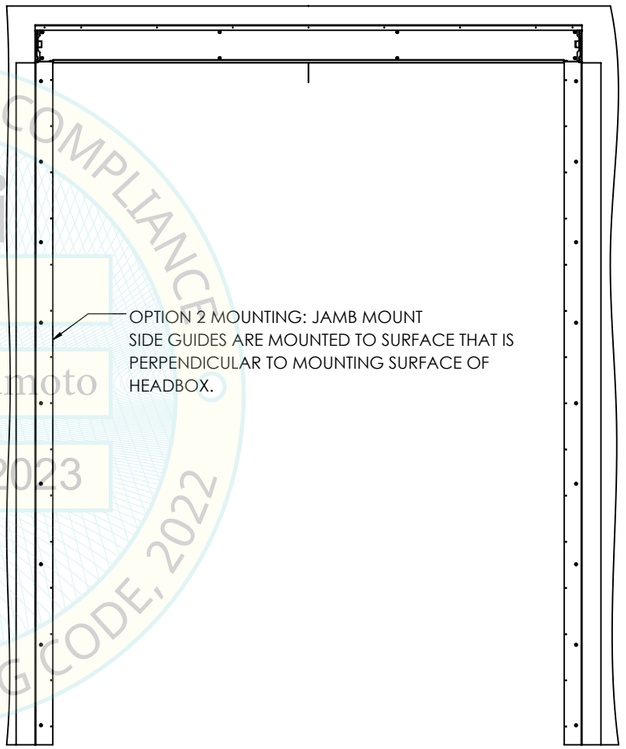
TWO VARIETIES OF SIDE GUIDE ASSEMBLIES ARE AVAILABLE:
TYPE A: 9.5 FT. LONG WITH HOLE SPACING OF 18" ON CENTER
TYPE B: 12 FT. LONG WITH HOLE SPACING OF 17" ON CENTER
BOTH ARE OF THE SAME CROSS SECTION AND MATERIAL.
LEFT AND RIGHT GUIDE ASSEMBLIES ARE MIRRORED WITH LEFT GUIDE SHOWN BELOW.

STEEL OR WOOD STUD WALL
T MAX = 36 LBS./SCREW
V MAX = 14 LBS./SCREW

CONCRETE WALL (INCLUDES Ω)
TU, MAX = 76 LBS./SCREW
VU,MAX = 26 LBS./SCREW

CMU WALL
T MAX = 53 LBS./SCREW
VMAX = 19 LBS./SCREW





TYPE A SHOWN FOR ILLUSTRATIVE PURPOSES
(7) SCREWS TOTAL AT TYPE A;
(9) SCREWS TOTAL AT TYPE B

MANUFACTURER: SMOKE GUARD		NAME	DATE	PROPRIETARY & CONFIDENTIAL
	DRWN BY	FITZGERALD	1/5/2023	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF
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