



Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
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Date: 7/7/2026

Return Request: Not Required

Project: Hot Springs National Park – Rehabilitate Bathhouses – Libbey Bathhouse

Supplier: Not Applicable

Manufacturer: Not Applicable

Submittal: HVAC Vibration Isolation (Re-Submittal #1)

Submittal Number: 230548.001

Spec Section: 230548, 2.1 through 2.6

Drawing # and Installation Location: M1.1

ARCHITECT

Quinn Evans Architects
219-1/2 N. Main Street
Ann Arbor, Michigan 48104
(734)663-5888

GENERAL CONTRACTOR

Tepa, LLC
2345 Grand Blvd, Suite 700
Kansas City, Missouri 64108
(816)708-1110

ENGINEER

IMEG Corp.
1600 Baltimore Street, Suite 300
Kansas City, Missouri 64108
(816)842-8437

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
9924 Landers Road
North Little Rock, Arkansas 72117
(501)834-3320

Comments:

There will be nothing submitted against this section of the Libbey Bathhouse specifications. Both air handling units (AHU-1L and AHU-2L) have factory-installed vibration isolators. Both condensing units (ACCU-1L and ACCU-2L) also have factory-installed vibration isolators...

CSUSA PROJECT NO.

25-7065

joe@comfortar.com

9924 Landers Road
No. LittleRock, AR 72117



MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

350 Rabro Drive 2101 W. Crescent Ave., Suite D
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JOB NAME Libbey Bathhouse

CUSTOMER Comfort Systems USA (Arkansas), Inc.

CUSTOMER P.O.

MASON M.I.

DWG. NO.

SLF

2" Deflection
B, B2, C2 & 2-C2
Series Mounts

SLF-B,-B2,-C2

Equipment Base

Cap Screw "E" secures Height Saving Bracket (or Equipment Base) to Tapped Concentric Hole in Mounting Adjustment Bolt

Adjustment Bolt - Turn Counter-Clock-Wise to Load Spring and Maintain Free and Operating Height

Ductile Spring Holder

Non-skid Neoprene Acoustical Cup, 1/4" thick Molded Bottom Pad. Bolting to Floor is Not Necessary

Free & Operating Height

A (Dia.)

SLF-2-C2

Ductile Spring Holders

Free & Operating Height

B (Length)

1/4" Thick Non-skid Neoprene Acoustical Isolation Pad. Bolting to Floor is Not Necessary.

TYPE SLF DIMENSIONS (inches)

Size	Free & Oper. Height	A	B	Locking Cap Screw
SLF-B & B2	6 3/4	2 3/4	-	1/2 x 1 1/4
SLF-C2	6 3/4	3 1/4	-	1/2 x 1 1/4
SLF-2-C2	6 3/4	3 1/4	7 3/4	1/2 x 1 1/4

SPRING DATA

Spring OD	Free HT	Ratio K _x /K _y	Ratio OD/OH
2 3/8	4 - 4 1/2	0.55 - 0.90	0.79 - 1.18
2 7/8	5	0.63 - 0.85	0.96 - 1.15
2 7/8	5	0.63 - 0.85	0.96 - 1.15

TYPE SLF RATINGS

Size	Standard Ratings				Ratings at 50% additional travel to solid	
	Rated Capacity (lbs)	Rated Defl. (in)	Mount Constant (lbs/in)	Spring Color/Stripe	Capacity (lbs)	Defl. (in)
SLF-B-20	20	2.40	8	Tan	20	2.40
SLF-B-26	26	2.18	12	White/Blue	26	2.18
SLF-B-35	35	2.20	16	Purple	35	2.20
SLF-B-50	50	2.20	24	White/Red	50	2.20
SLF-B-65	65	2.10	31	Brown	65	2.10
SLF-B-85	85	2.10	40	White/Black	85	2.10
SLF-B-115	115	2.00	57	Silver	115	2.00
SLF-B-150	150	2.00	75	Orange	150	2.00
SLF-B2-210	210	2.12	99	Silver	210	2.12
SLF-B2-290	290	2.00	144	Blue	290	2.00
SLF-B2-450	450	2.00	224	Tan	410	1.83
SLF-B2-680	680	2.00	340	Gray	565	1.66
SLF-C2-125	125	2.50	50	Purple	125	2.50
SLF-C2-170	170	2.40	70	Brown	170	2.40
SLF-C2-210	210	2.30	90	Red	210	2.30
SLF-C2-260	260	2.20	120	White	260	2.20
SLF-C2-330	330	2.00	165	Black	330	2.00
SLF-C2-460	460	2.00	230	Blue	460	2.00
SLF-C2-610	610	2.00	305	Green	610	2.00
SLF-C2-880	880	2.00	440	Gray	800	1.82
SLF-C2-1210	1210	2.00	605	Silver	1010	1.67
SLF-C2-1540	1540	2.00	770	Gray*	1285	1.67
SLF-C2-1870	1870	2.00	935	Silver*	1560	1.67
SLF-2-C2-340	340	2.40	140	Brown	340	2.40
SLF-2-C2-420	420	2.30	180	Red	420	2.30
SLF-2-C2-520	520	2.20	240	White	520	2.20
SLF-2-C2-660	660	2.00	330	Black	660	2.00
SLF-2-C2-920	920	2.00	460	Blue	920	2.00
SLF-2-C2-1220	1220	2.00	610	Green	1220	2.00
SLF-2-C2-1760	1760	2.00	880	Gray	1600	1.82
SLF-2-C2-2420	2420	2.00	1210	Silver	2020	1.67
SLF-2-C2-3080	3080	2.00	1540	Gray*	2570	1.67
SLF-2-C2-3740	3740	2.00	1870	Silver*	3120	1.67

* with RED core spring

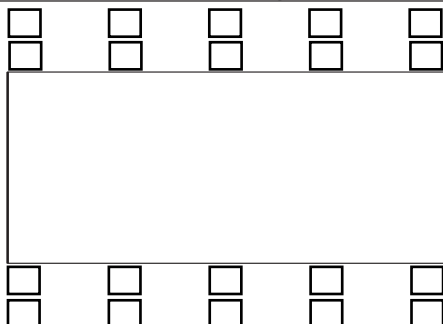
Multiple spring mounts have C size springs. Type SLF-2 has 2 springs. SLF-B2-450, B2-660, C2-880 thru C2-1870 and 2-C2-1760 thru 2-C2-3740 mounts have minimum 25% of rated deflection additional travel to solid. The last two columns show ratings at 50% additional travel.

PLAN VIEW OF MOUNT LOCATIONS

TAG : AHU-1L and AHU-2L

UNIT : Indoor, Modular Air-Handling Unit

Click with mouse for each location >



1.5"

SPECIFIED DEFLECTION

1 :	
2 :	
3 :	
4 :	
5 :	
Sets Required:	

THIS DRAWING IS BEING SUBMITTED FOR TYPE APPROVAL ONLY EXACT SIZES & LOCATIONS TO BE DETERMINED UPON RECEIPT OF APPROVED EQUIPMENT SUBMITTALS

FORM S-262 09/2008

DWN:

CHKD:

DATE:

DWG. No.



MASON INDUSTRIES, Inc.

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JOB NAME Libbey Bathhouse

CUSTOMER Comfort Systems USA (Arkansas), Inc.

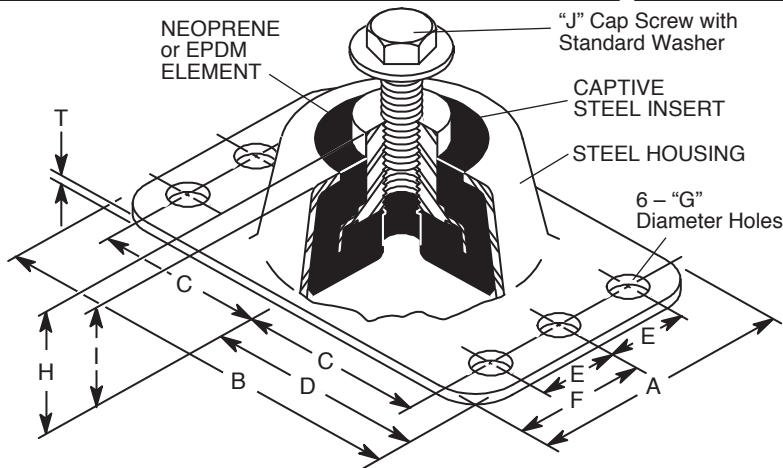
CUSTOMER P.O.

MASON M.

DWG No.

RAA, RBA RCA & RDA

Captive Mounting



TYPE RAA, RBA, RCA and RDA DIMENSIONS (inches millimeters)

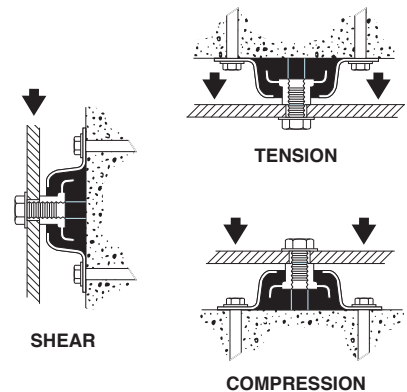
Type	A	B	C	D	E	F	G	H	I	J	T
RAA	25/8 67	41/4 108	111/16 43	21/8 54	7/8 22	15/16 33	7/16 11	11/2 38	11/8 29	3/8-16UNC x 1	3/32 2
RBA	3 76	43/4 121	115/16 49	23/8 60	1 25	11/2 38	7/16 11	17/8 48	11/2 38	1/2-13UNC x 11/4	3/32 2
RCA	33/4 95	61/4 159	21/2 64	31/8 79	11/4 32	17/8 48	9/16 14	17/8 48	11/2 38	5/8-11UNC x 11/4	3/32 2
RDA	5 127	8 203	31/4 83	4 108	13/4 44	21/2 64	3/4 19	23/8 60	17/8 48	7/8-9UNC x 11/4	1/8 3

TYPE RAA, RBA, RCA and RDA RATINGS

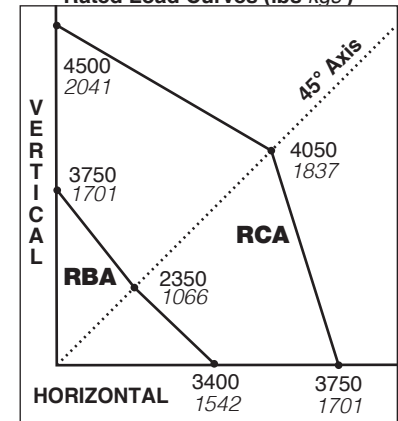
Type	Size (Color Mark)	Duro-meter	COMPRESSION		TENSION		SHEAR		Maximum Horizontal Static G Rating*
			Rated Capacity (lbs) (kgs)	Rated Defl (in) (mm)	Rated Capacity (lbs) (kgs)	Rated Defl (in) (mm)	Rated Capacity (lbs) (kgs)	Rated Defl (in) (mm)	
RAA-	Black	30	200	91	150	68	150	68	7.0
	Green	45	300	136	200	91	200	91	5.0
	Red	50	500	227	400	181	400	181	2.5
RBA-	Black	30	250	113	200	91	200	90	13.6
	Green	45	525	238	420	191	420	191	6.5
	White	60	1000	454	800	363	800	363	3.4
RCA-	Green	40	1400	635	1000	454	400	181	2.7
	Red	50	2100	953	1500	680	600	272	1.8
	White	60	3500	1588	2500	1134	1000	454	1.1
RDA-	Green	40	2800	1270	2000	910	900	410	3.3
	Red	50	4200	1910	2900	1320	1300	590	2.2
	White	60	7100	3230	4200	1910	1800	820	1.3

All Rated Capacities are based on proper neoprene loadings without metal to metal contact. Seismic Max. G Ratings are based on metal failure under static seismic loadings as defined in the building codes.

*Horizontal G Ratings are for quick reference only- Use OSHPD Rated Load Curves.



OSHPD OPA-0200 Rated Load Curves (lbs kgs¹)



Horizontal, Vertical and 45° plotted Ratings are California OSHPD approved values having the OSHPD Anchorage Preapproval Number OPA-0200. Testing and calculations were performed to meet OSHPD criteria.

To use approved OSHPD rated load curves: 1) Calculate Vertical and Horizontal Forces on mounting including translations and overturning moments. 2) Plot Horizontal Load vs Vertical Load. The point must fall within the area below the OSHPD curve. RAA's and RDA's have not been submitted to OSHPD.

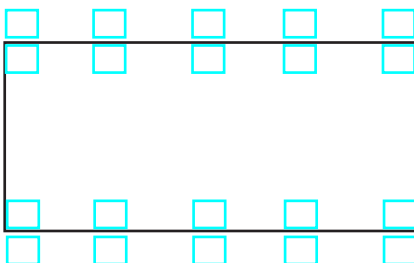
Note: OSHPD changed requirements in California in 2010, but the reference remains excellent as a general guideline.

PLAN VIEW OF MOUNT LOCATIONS

TAG: AHU-1L and AHU-2L

UNIT: Indoor, Modular Air-Handling Unit

Click with mouse for each location >



1.5" SPECIFIED DEFLECTION

1:	6:
2:	7:
3:	8:
4:	9:
5:	10:
Sets Required:	