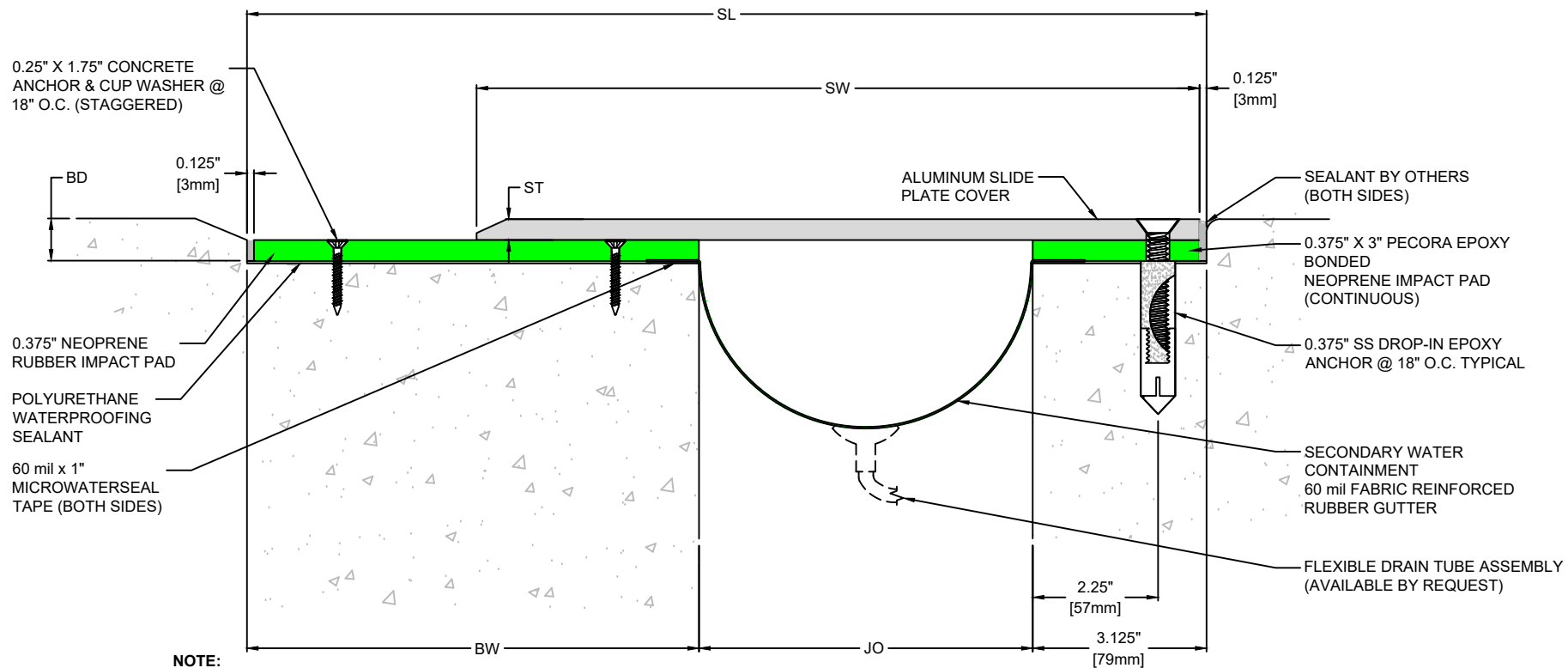




NOTE:
 1. STD. DRAWING SHOWS MILL FINISH ON COVER PLATE. OTHERS AVAILABLE.
 2. COVER MAINTAINS 1" BEARING ON RUBBER PAD AT SEISMIC MAXIMUM.

AID Series Expansion Joint Sizes 200 through 1000 (Slab-to-Slab)



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Aluminum Impact Damping System

AID Series (200-1000)

Drawn by:

LRM

Scale:

NTS

Drawing Number:

SHT. 1 OF 4

Issue Date:
 07/29/2025

31950-01

AID SERIES EXPANSION JOINT MOVEMENT CHART

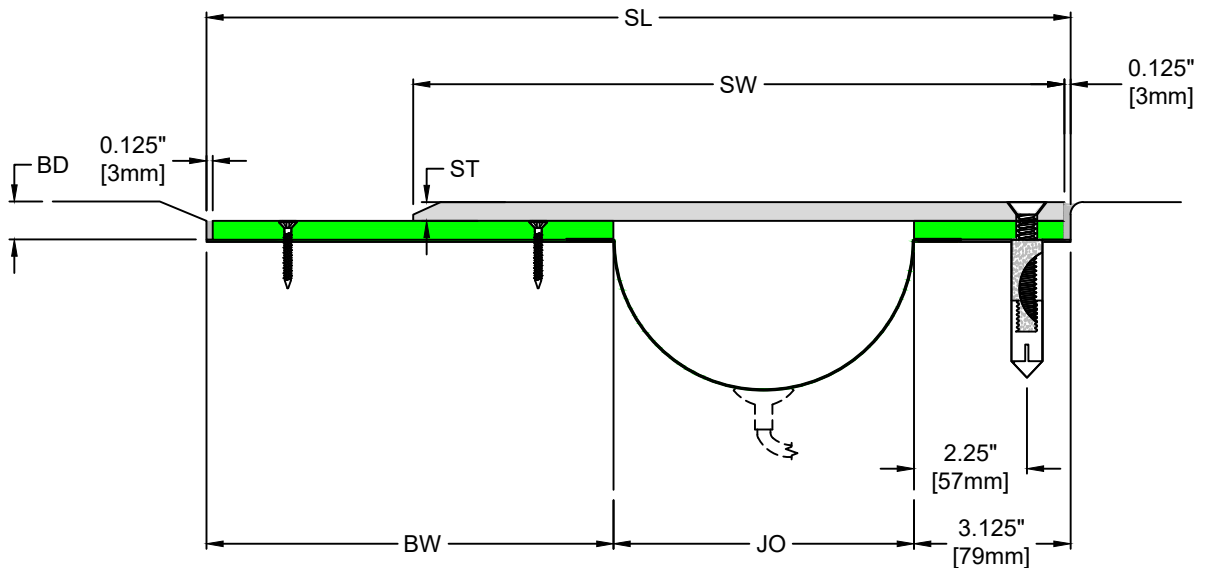
Model Number	Joint Opening (JO ^N)		Sight Line (SL ^N)		Thermal Movement (JO ^T)				Seismic Movement (JO ^S)				Total (JO ^A)		Slide Plate Thickness (ST)		Slide Plate Width (SW)		Blockout Width (BW)		Blockout Depth (BD)	
	Nominal		Nominal		Minimum		Maximum		Minimum		Maximum		Movement									
AID-200	2.00	51	9.25	235	1.00	25	3.00	76	1.00	25	3.00	76	2.00	51	0.375	10	7.00	178	4.125	105	0.750	19
AID-300	3.00	76	11.25	286	1.50	38	4.50	114	1.50	38	4.50	114	3.00	76	0.375	10	8.50	216	5.125	130	0.750	19
AID-400	4.00	102	13.25	337	2.00	51	6.00	152	2.00	51	6.00	152	4.00	101	0.375	10	10.00	254	6.125	156	0.750	19
AID-500	5.00	127	15.25	387	3.00	76	7.00	178	2.50	63	7.50	191	5.00	127	0.375	10	11.50	292	7.125	181	0.750	19
AID-600	6.00	152	17.25	438	4.00	102	8.00	203	3.00	76	9.00	229	6.00	152	0.375	10	13.00	330	8.125	206	0.750	19
AID-700	7.00	178	19.25	489	5.00	127	9.00	229	3.50	89	10.50	267	7.00	177	0.375	10	14.50	368	9.125	232	0.750	19
AID-800	8.00	203	21.25	540	6.00	152	10.00	254	4.00	101	12.00	305	8.00	203	0.375	10	16.00	406	10.125	257	0.750	19
AID-900	9.00	229	23.25	591	7.00	178	11.00	279	4.50	114	13.50	343	9.00	228	0.375	10	17.50	445	11.125	283	0.750	19
AID-1000	10.00	254	25.25	641	8.00	203	12.00	305	5.00	127	15.00	381	10.00	254	0.375	10	19.00	483	12.125	308	0.750	19

Dimension shown in **inches** (bold) and millimeters. Refer to the AID AutoCAD file for individual system drawings.

LOAD TABLE

	Auto (Low Speed)
	Emergency Vehicle (Low Speed)
	Bus (Low Speed)
	Forklift
	Scissor Lift

Note: The AID loading capabilities shown above are based upon average equipment weights, wheel types and sizes. For project-specific loading capabilities, contact MM Systems with technical data related to wheel type, contact area (footprint), distributed load per wheel, and speed of traffic.



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Aluminum Impact Damping System

AID Series (200-1000)

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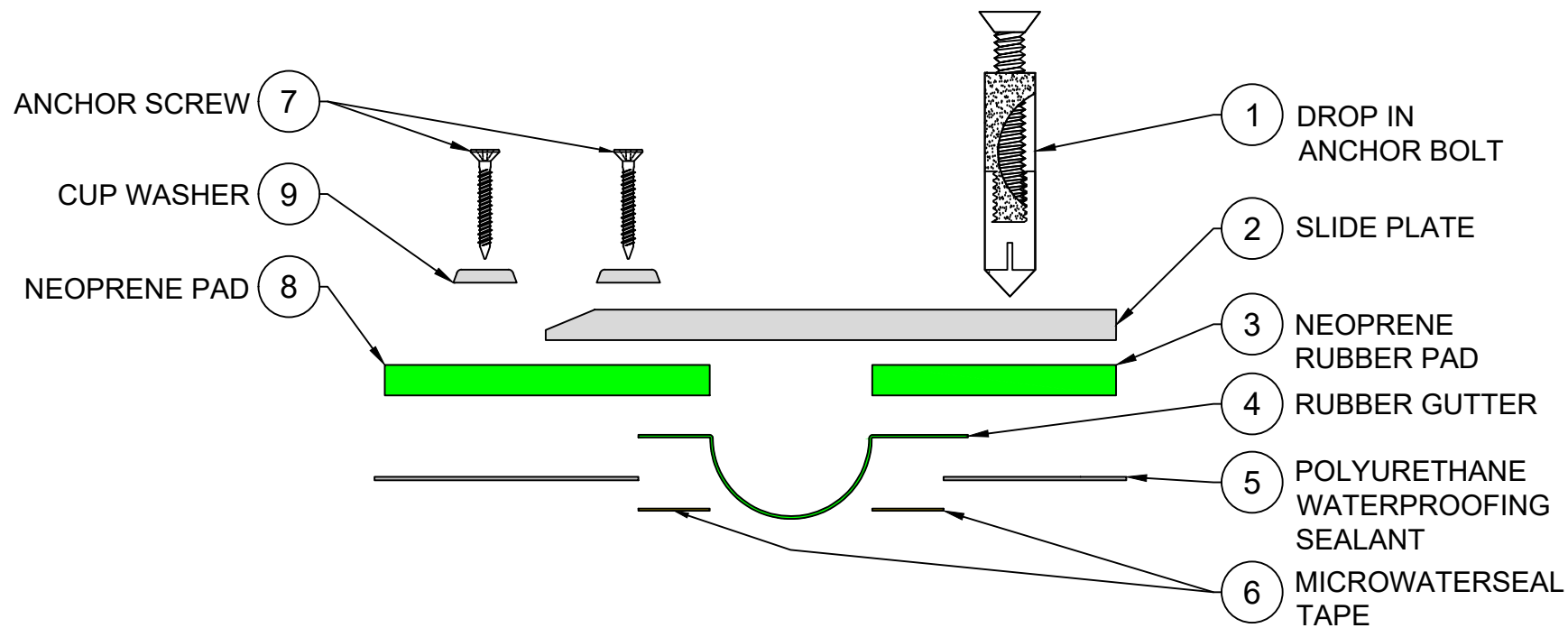
NTS

Drawing Number:

SHT. 2 OF 4

Issue Date:
01/07/2025

31950-01



EXPLODED VIEW ▲

▼ PART NUMBERS

Locator	Part Component	AID-200	AID-300	AID-400	AID-500	AID-600	AID-700	AID-800	AID-900	AID-1000
1	Anchor Bolt	9039	9039	9039	9039	9039	9039	9039	9039	9039
2	Slide Plate	CPIE-AM-10-0700-02-18	CPIE-AM-10-0808-02-18	CPIE-AM-10-1000-02-18	CPIE-AM-10-1108-02-18	CPIE-AM-10-1300-02-18	CPIE-AM-10-1408-02-18	CPIE-AM-10-1600-02-18	CPIE-AM-10-1708-02-18	CPIE-AM-10-1900-02-18
3	Neoprene Rubber Pad	IMPACTPAD-3	IMPACTPAD-3	IMPACTPAD-3	IMPACTPAD-3	IMPACTPAD-3	IMPACTPAD-3	IMPACTPAD-3	IMPACTPAD-3	IMPACTPAD-3
4	Rubber Gutter	9109-09	9109-10.5	9109-12	9109-13.5	9109-15	9109-16.5	9109-18	9109-19.5	9109-21
5	Polyurethane Waterproofing Sealant	8393	8393	8393	8393	8393	8393	8393	8393	8393
6	1" Microwaterseal Tape	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1
7	Anchor Screw	9406	9406	9406	9406	9406	9406	9406	9406	9406
8	NEOPRENE Rubber Pad	IMPACTPAD-4	IMPACTPAD-5	IMPACTPAD-6	IMPACTPAD-7	IMPACTPAD-8	IMPACTPAD-9	IMPACTPAD-10	IMPACTPAD-11	IMPACTPAD-12
9	Cup Washer	9442	9442	9442	9442	9442	9442	9442	9442	9442



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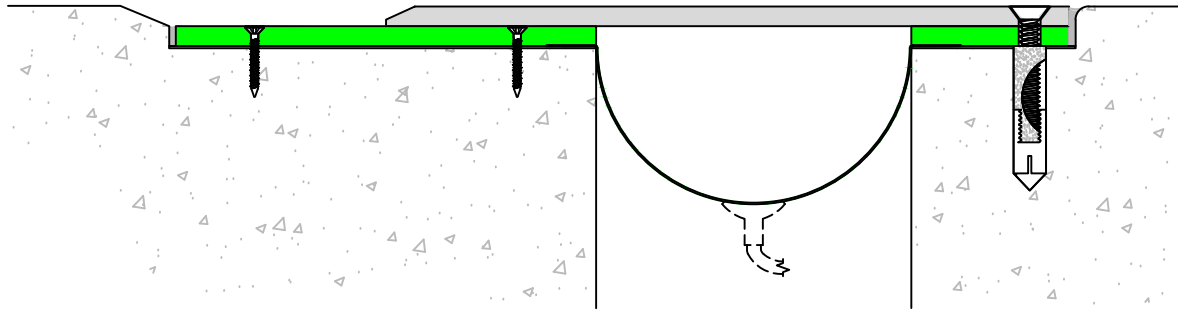
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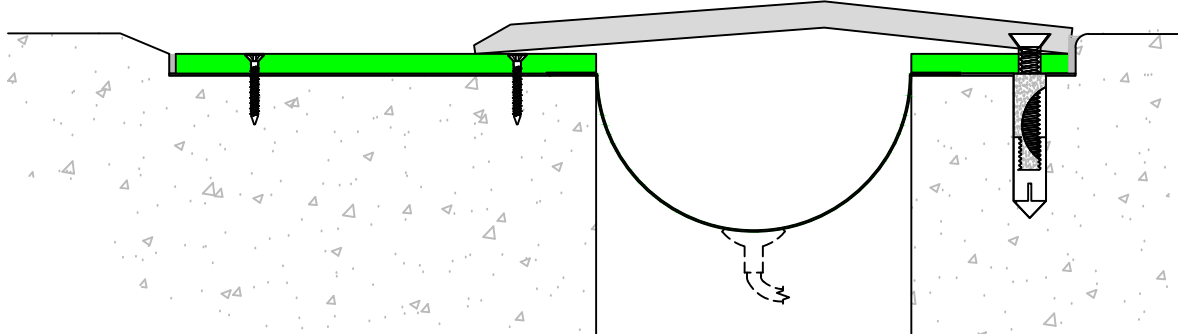
Aluminum Impact Damping System

AID Series (200-1000)

Drawn by: LRM	Scale: NTS	Drawing Number:
SHT. 3 OF 4	Issue Date: 01/07/2025	31950-01



AID Series Expansion Joint
Flat Cover
(Slab-to-Slab)



AID Series Expansion Joint
Convex Cover
(Slab-to-Slab)

PLATE FINISH OPTIONS



RAISED PATTERN (FLAT PLATES ONLY)



DIAMOND PATTERN



MILL FINISH



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Aluminum Impact Damping System

AID Series (200-1000)

Drawn by: LRM	Scale: NTS	Drawing Number:
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