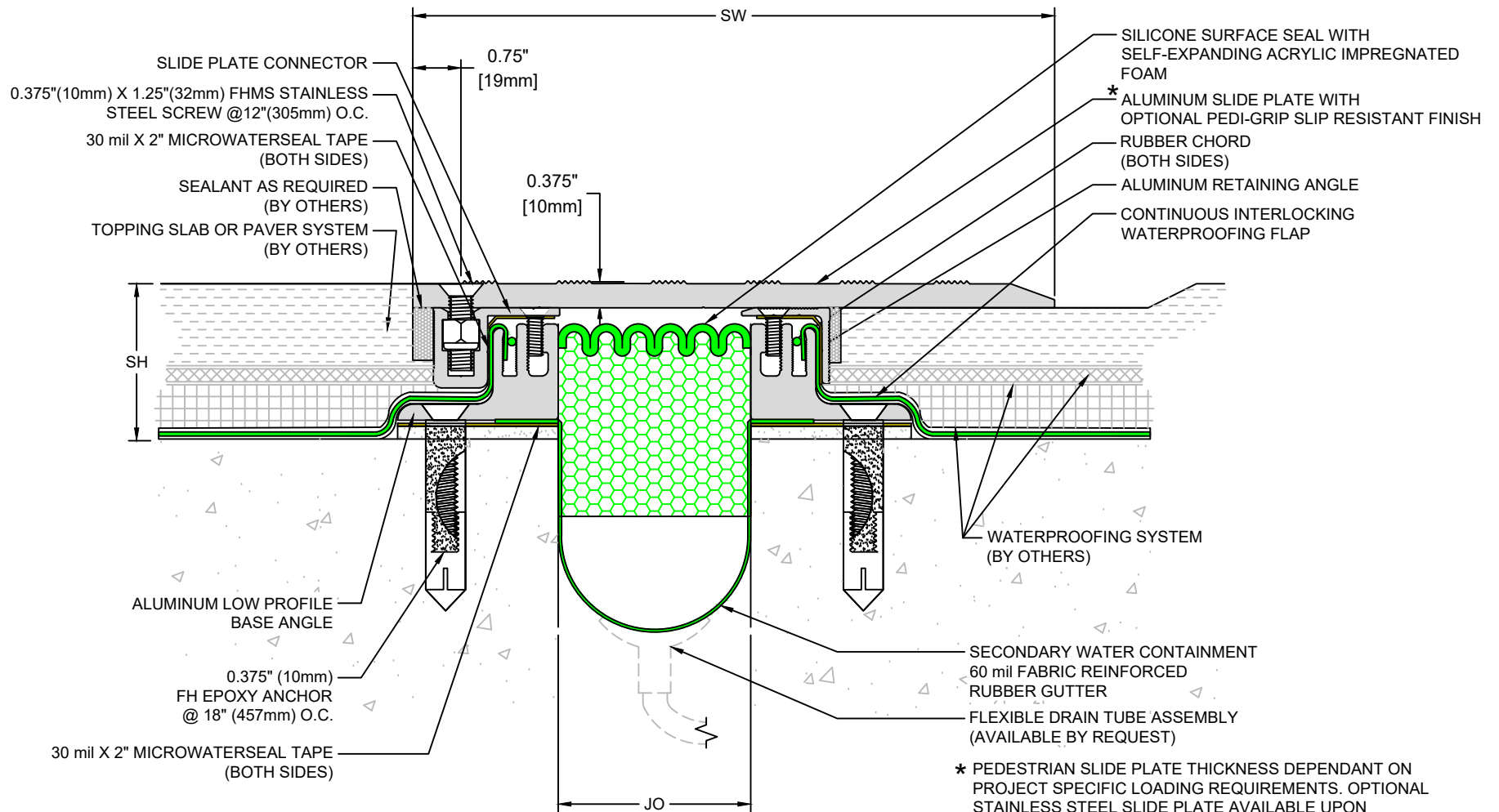




SCF Series Expansion Joint
Sizes 150 through 600
 (Slab-to-Slab)

- * PEDESTRIAN SLIDE PLATE THICKNESS DEPENDANT ON PROJECT SPECIFIC LOADING REQUIREMENTS. OPTIONAL STAINLESS STEEL SLIDE PLATE AVAILABLE UPON REQUEST. CONTACT MM SYSTEMS FOR ALTERNATE ATTACHMENT DESIGN FOR VEHICULAR TRAFFIC.
- * PLEASE SEE SSF PRODUCT FAMILY FOR SPLIT SLAB FOAM EXPANSION JOINT SYSTEM LESS THAN 4" WITHOUT A COVER PLATE.



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Split Slab Membrane with Cover Plate System

SCF Series (150-600)

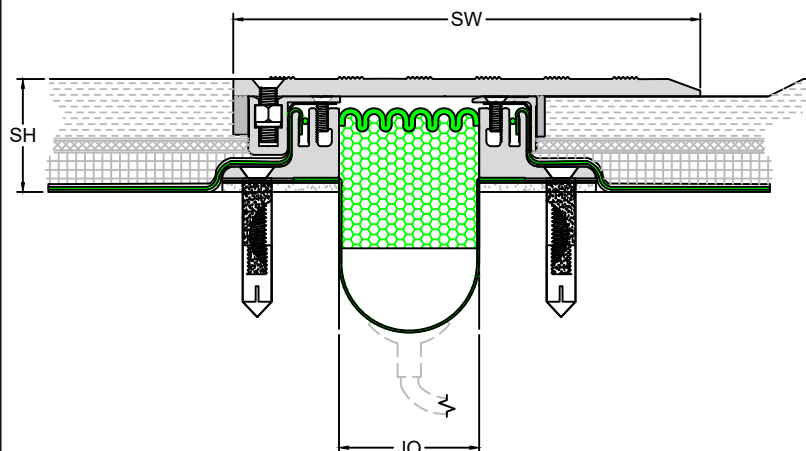
Drawn by: LRM	Scale: NTS	Drawing Number:
SHT. 1 OF 3	Issue Date: 03/12/2025	10200-01

SCF Series Expansion Joint Movement Chart										
Model Number	Joint Opening (JO ^N)		Sight Line (SL ^N)		Thermal/Seismic Movement (JO ^T)				Total (JO ^A)	
	Nominal		Nominal		Minimum		Maximum		Movement	
SCF-150	1.50	38	7.75	197	0.75	19	2.25	57	1.50	38
SCF-200	2.00	51	9.00	229	1.00	25	3.00	76	2.00	51
SCF-300	3.00	76	10.00	254	1.50	38	4.50	114	3.00	76
SCF-400	4.00	102	11.00	280	2.00	51	6.00	152	4.00	102
SCF-500	5.00	127	12.25	311	2.50	64	7.50	191	5.00	127
SCF-600	6.00	152	13.00	330	3.00	76	9.00	229	6.00	152

Dimension shown in **inches** (bold) and millimeters. Refer to the SCF AutoCAD file for individual system drawings. Please see SSF product family for split slab foam expansion joint system less than 4" without a cover plate.

LOAD TABLE	
	ADA Compliant
	Safe Walking Surface
	Shopping Cart
	Maintenance Cart
	Extreme Weather

Note: The SCF 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.



Base Angle	System	
Size	Height (SH)	
4 x 2	3.25	83
4 x 2.25	3.5	89
4 x 2.5	3.75	95
4 x 2.75	4	102
4 x 3	4.25	108
4 x 3.25	4.5	114
4 x 3.5	4.75	121
4 x 3.75	5	127
4 x 4	5.25	133
4 x 4.25	5.5	140
4 x 4.5	5.75	146
4 x 4.75	6	152



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Split Slab Membrane with Cover Plate System

SCF Series (150-600)

Drawn by: LRM

SHT. 2 OF 3

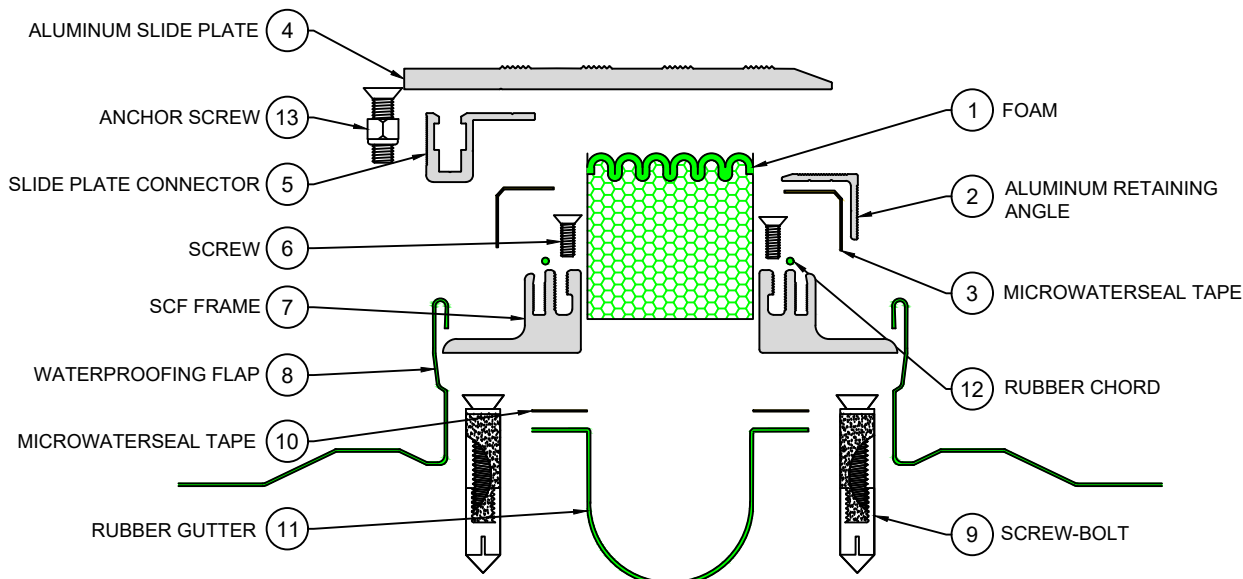
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Issue Date:	03/12/2025
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Drawing Number:

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EXPLODED VIEW

PART NUMBERS

Locator	Part Component	SCF-150	SCF-200	SCF-300	SCF-400	SCF-500	SCF-600	System Height	Base Frame
1	Self-Expanding Foam	8470-150	8470-200	8470-300	8470-400	8470-500	8470-600	3.25"	7431#0200
2	Aluminum Retaining Angle	7025-M-10	7025-M-10	7025-M-10	7025-M-10	7025-M-10	7025-M-10	3.50"	7431#0204
3	Microwaterseal Tape	Microwaterseal30X2	Microwaterseal30X2	Microwaterseal30X2	Microwaterseal30X2	Microwaterseal30X2	Microwaterseal30X2	3.75"	7431#0208
4	Aluminum Slide Plate	CPEE-AM-10-0712-00-12	CPEE-AM-10-0900-00-12	CPEE-AM-10-1000-00-12	CPEE-AM-10-1100-00-12	CPEE-AM-10-1204-00-12	CPEE-AM-10-1300-00-12	4.00"	7431#0212
5	Slide Plate Connector	8415-M-10	8415-M-10	8415-M-10	8415-M-10	8415-M-10	8415-M-10	4.25"	7431#0300
6	Screw	9382	9382	9382	9382	9382	9382	4.50"	7431#0304
7	SCF Frame	8436	8436	8436	8436	8436	8436	4.75"	7431#0308
8	Waterproofing Flap	9118-12	9118-12	9118-12	9118-12	9118-12	9118-12	5.00"	7431#0312
9	Screw-Bolt	7420	7420	7420	7420	7420	7420	5.25"	7431#0400
10	Microwaterseal Tape	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	Microwaterseal60X1	5.50"	7431#0404
11	Rubber Gutter	9109-12	9109-12	9109-12	9109-12	9109-12	9109-12	5.75"	7431#0408
12	Rubber Chord	9457	9457	9457	9457	9457	9457	6.00"	7431



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Split Slab Membrane with Cover Plate System

SCF Series (150-600)

Drawn by:
LRM

SHT. 3 OF 3

Scale:
NTS

Issue Date:
03/12/2025

Drawing Number:

10200-01