



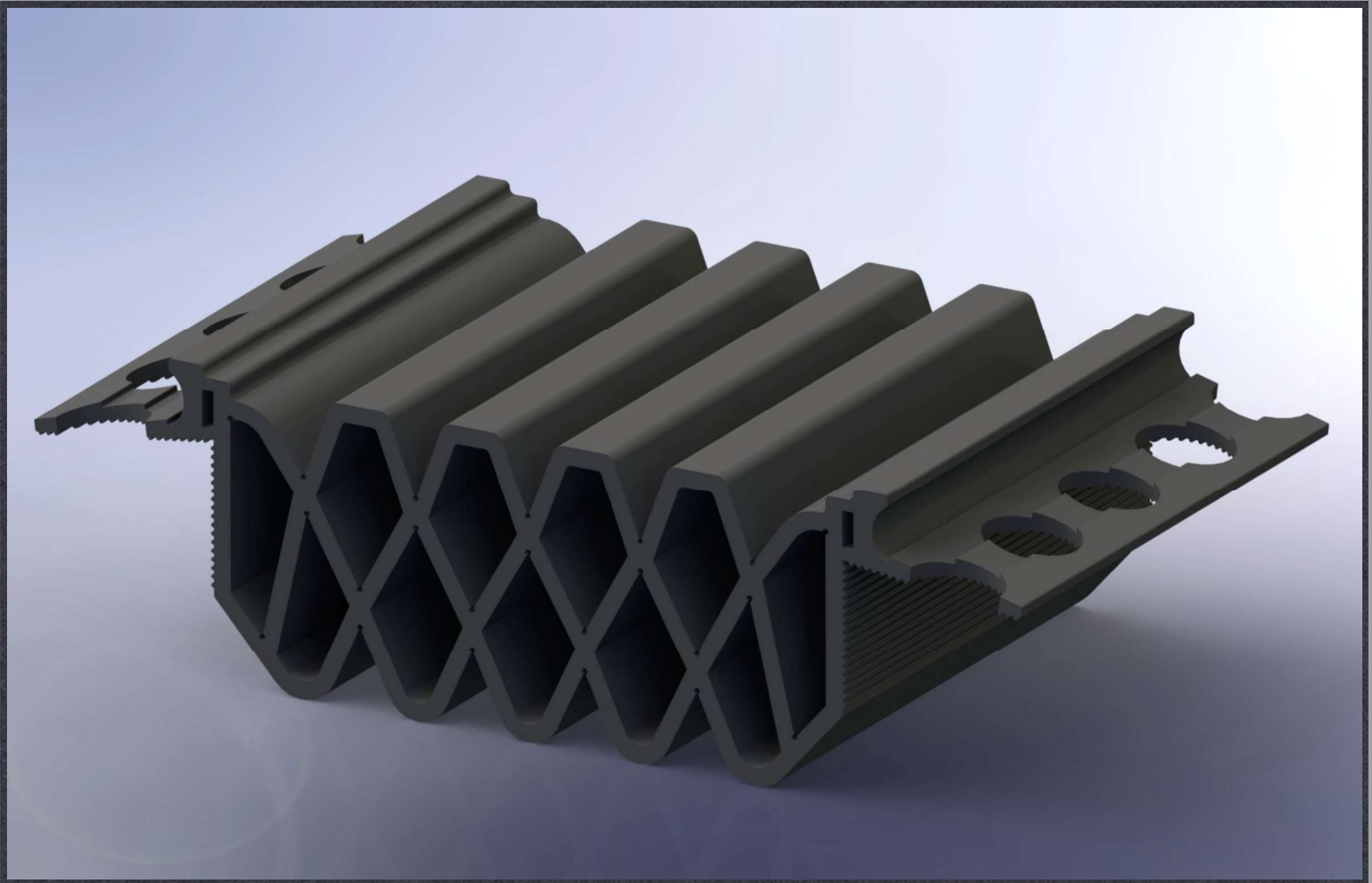
LymTal International, Inc.

Iso-Flex Winged Expansion Joint

Iso-Flex Winged Joint

J Series Seal





ISO-FLEX J SERIES FLOOR SEAL



PROJECT

FLUSH AND FLAT PROFILE

ISO-FLEX J SERIES SEAL



HANDLE GAPS FROM 1.5" TO 7.5"

ISO-FLEX J SERIES SEALS



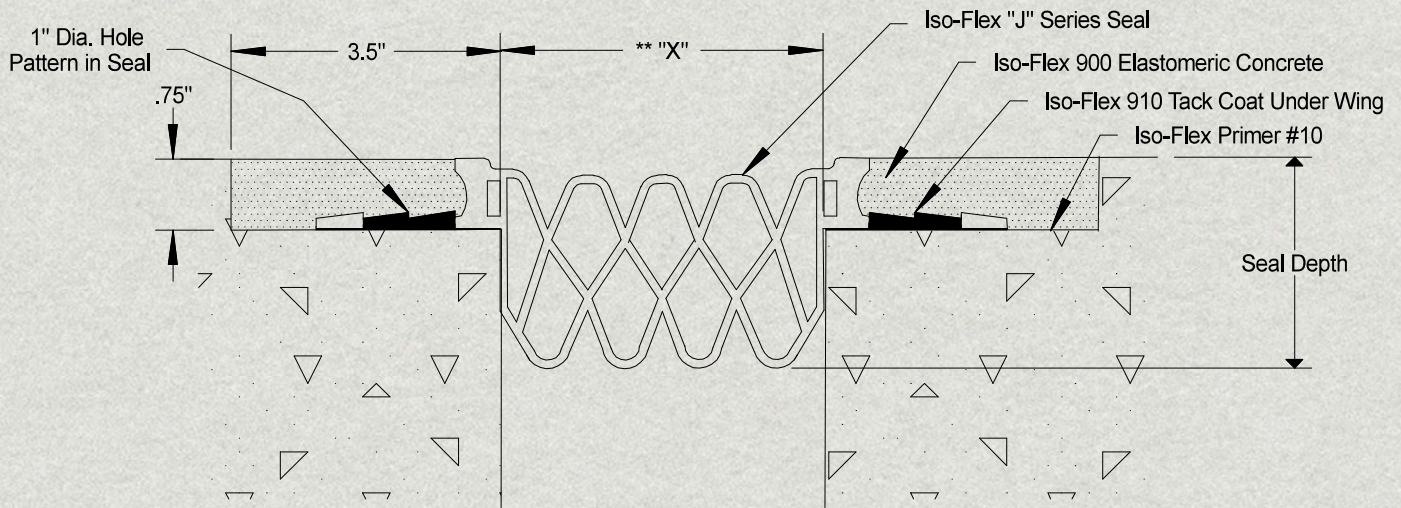
TYPICAL INSTALLATION

ISO-FLEX WINGED EXPANSION JOINT



LOAD TRANSFER UNDER LOW PROFILE SEAL

ISO-FLEX WINGED EXPANSION JOINT



All bold dimensions are inches.
All italicized dimensions are in millimeters.

NOTE:

1. (**) The dimensions provided above are an indication of the total capacity of the joint system. This includes all thermal, creep/shrink, and tolerance considerations.

SEAL TYPE	MOVEMENT RANGE	SYSTEM DEPTH	JOINT OPENING SIZE (X)		INSTALLATION WIDTH			MIN. SLAB DEPTH
			Minimum (x)	Maximum (x)	Minimum	Mid-Range	Maximum	
J23L	2.000	2.250	0.625	2.625	1.000	1.500	2.375	5.000
	50.800	57.150	15.875	66.875	25.400	38.100	60.325	127.001
J30L	2.750	2.500	0.750	3.500	1.500	2.000	3.250	5.000
	69.850	63.500	19.050	88.900	38.100	50.800	82.550	127.001
J40L	3.000	2.750	1.500	4.500	2.000	3.000	4.250	5.000
	76.200	69.850	38.100	114.300	50.800	76.200	107.950	127.001
J50L	3.750	3.000	1.750	5.500	2.500	4.000	5.250	6.000
	95.250	76.200	44.450	139.701	63.500	101.600	133.351	152.401
J60L	3.500	3.000	3.000	6.500	3.500	5.000	6.250	6.000
	88.900	76.200	76.200	165.101	88.900	127.001	158.751	152.401
J70L	4.500	3.250	3.000	7.500	3.500	5.000	6.750	6.000
	114.300	82.550	76.200	190.501	88.900	127.001	171.451	152.401

LymTal International, Inc.

Scale: NTS

Drawn By: GAB

Date: 2/14/06

Revised: 03/13

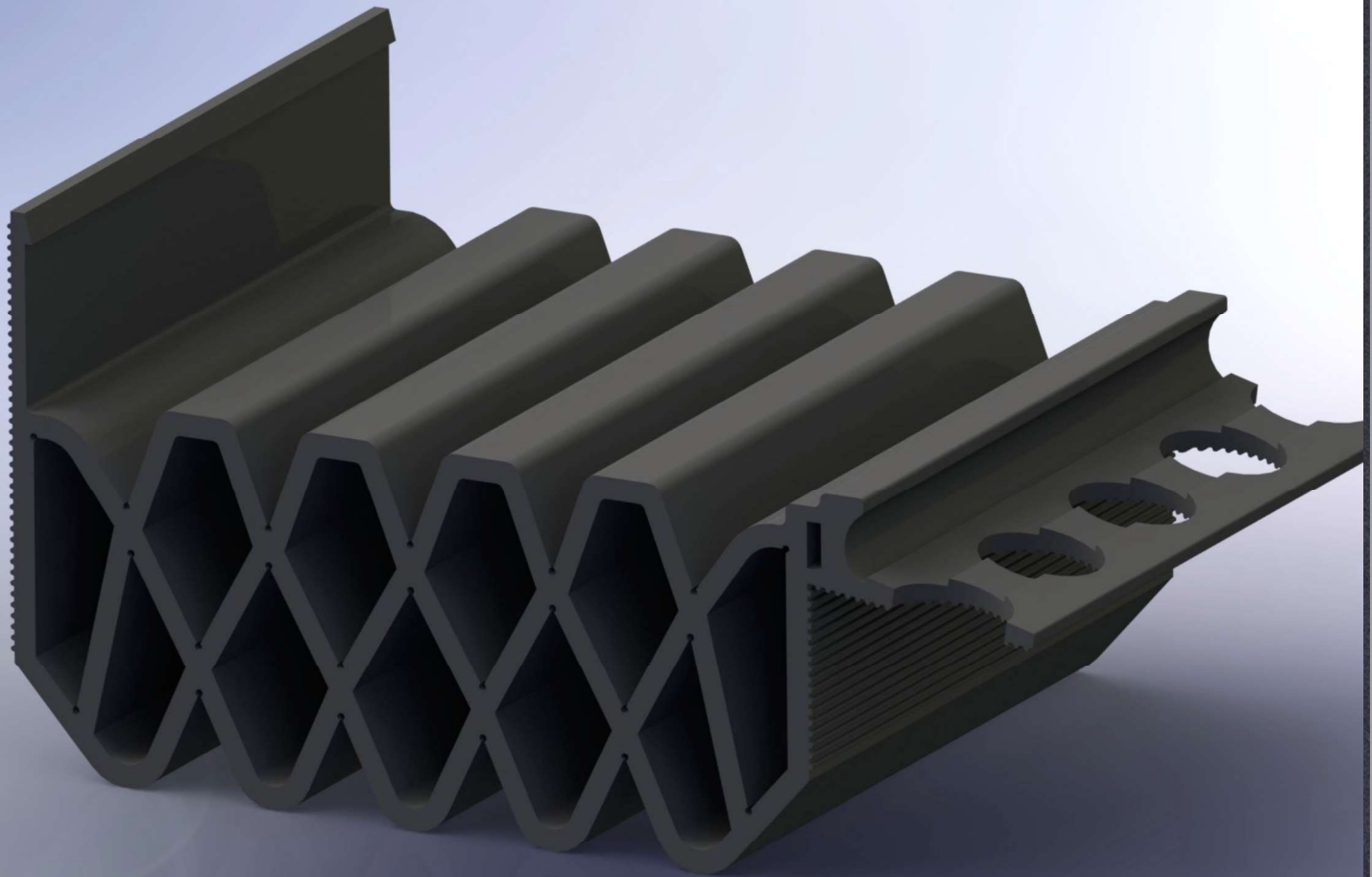
Iso-Flex "J" Series Wing Standard

Drawing Number: 1509-03

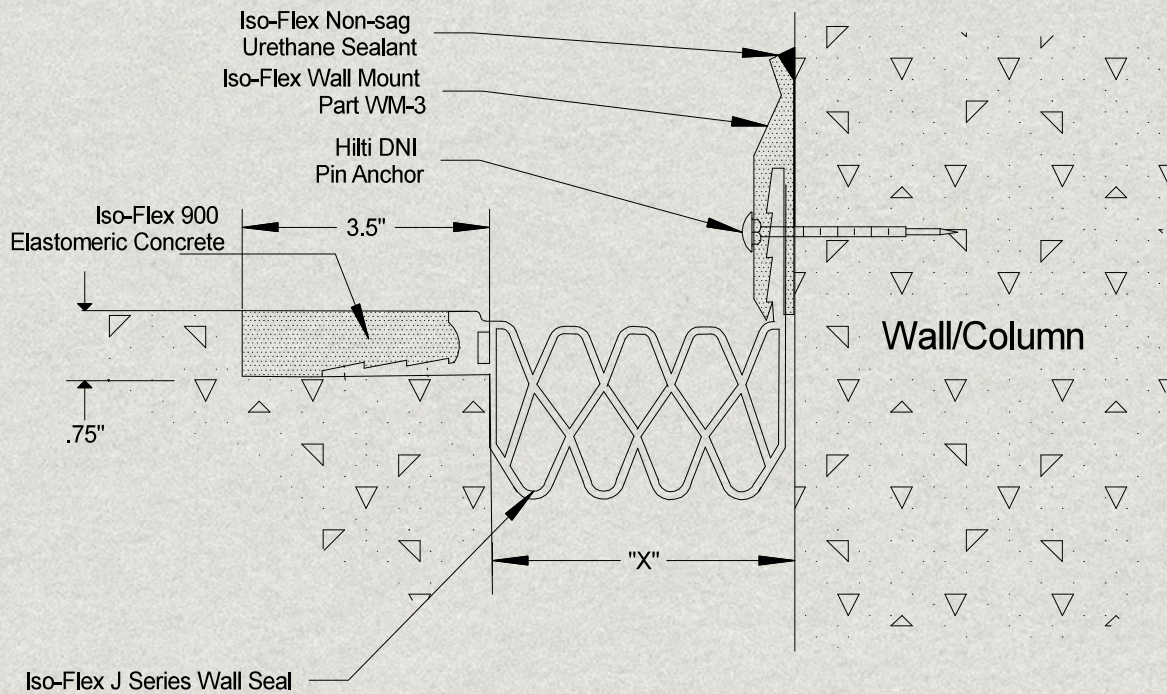
Floor-to-Wall

The J Series Wall Condition
with Wall Mount Plate





J SERIES FLOOR-TO-WALL SEAL



Notes:

1. Iso-Flex Wall Mount Plate WM-3 is a high durometer thermo-rubber material.
2. Typical anchor spacing to be at 18" O.C.
3. Utilize Iso-Flex 881 or 830 non-sag urethane sealant for the cant bead location.
4. Wall mount plate anchors to be Hilti Powder Actuated Fastening System, with DNI Pin #X-DNI 32 P8S36. Utilize the #3 Power Pack.

All bold dimensions are inches.
All italicized dimensions are in millimeters.

SEAL TYPE	MOVEMENT RANGE	SYSTEM DEPTH	JOINT OPENING SIZE (X)		INSTALLATION WIDTH		
			Minimum (x)	Maximum (x)	Minimum	Mid-Range	Maximum
J23LW	1.875 <i>47.625</i>	2.250 <i>57.150</i>	0.625 <i>15.875</i>	2.500 <i>63.500</i>	1.000 <i>25.400</i>	1.500 <i>38.100</i>	2.250 <i>57.150</i>
J30LW	2.750 <i>69.850</i>	2.500 <i>63.500</i>	0.750 <i>19.050</i>	3.500 <i>88.900</i>	1.500 <i>38.100</i>	2.000 <i>50.800</i>	3.250 <i>82.550</i>
J40LW	3.000 <i>76.200</i>	2.750 <i>69.850</i>	1.500 <i>38.100</i>	4.500 <i>114.300</i>	2.000 <i>50.800</i>	3.000 <i>76.200</i>	4.250 <i>107.950</i>
J50LW	3.500 <i>88.900</i>	3.000 <i>76.200</i>	2.000 <i>50.800</i>	5.500 <i>139.701</i>	2.500 <i>63.500</i>	4.000 <i>101.600</i>	5.250 <i>133.351</i>
J60LW	3.500 <i>88.900</i>	3.000 <i>76.200</i>	3.000 <i>76.200</i>	6.500 <i>165.101</i>	3.500 <i>88.900</i>	5.000 <i>127.001</i>	6.250 <i>158.751</i>
J70LW	4.500 <i>114.300</i>	3.250 <i>82.550</i>	3.000 <i>76.200</i>	7.500 <i>190.501</i>	3.500 <i>88.900</i>	5.000 <i>127.001</i>	6.750 <i>171.451</i>

LymTal International, Inc.

Scale: NTS

Drawn By: LAG

Date: 6/16/06

Revised: 3/5/13

Iso-Flex Winged Expansion Joint

Wall Mount Detail

Drawing Number: 1536-01



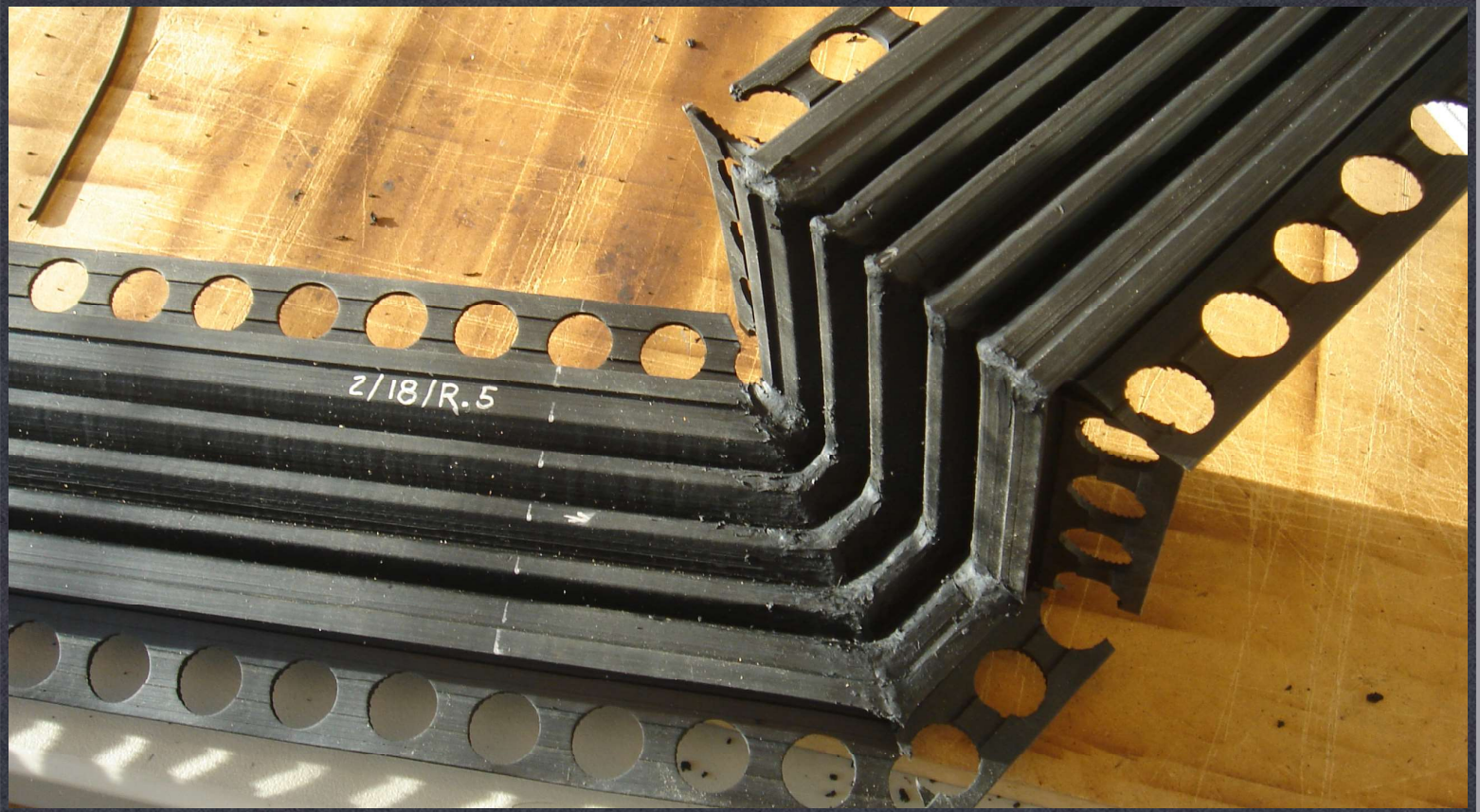
SYSTEM COMPONENTS

ISO-FLEX WINGED EXPANSION JOINT



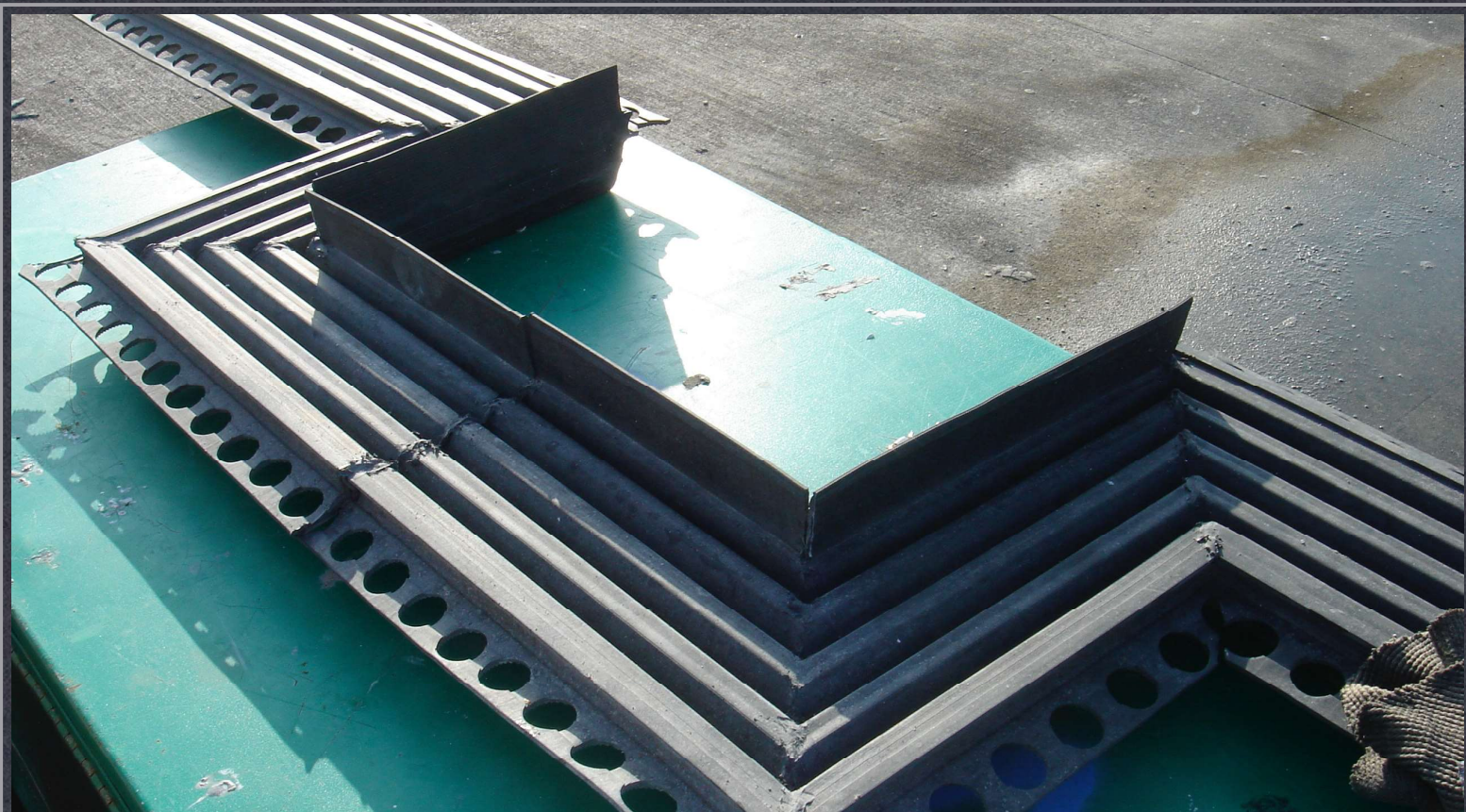
MIXING PADDLES

ISO-FLEX WINGED EXPANSION JOINT



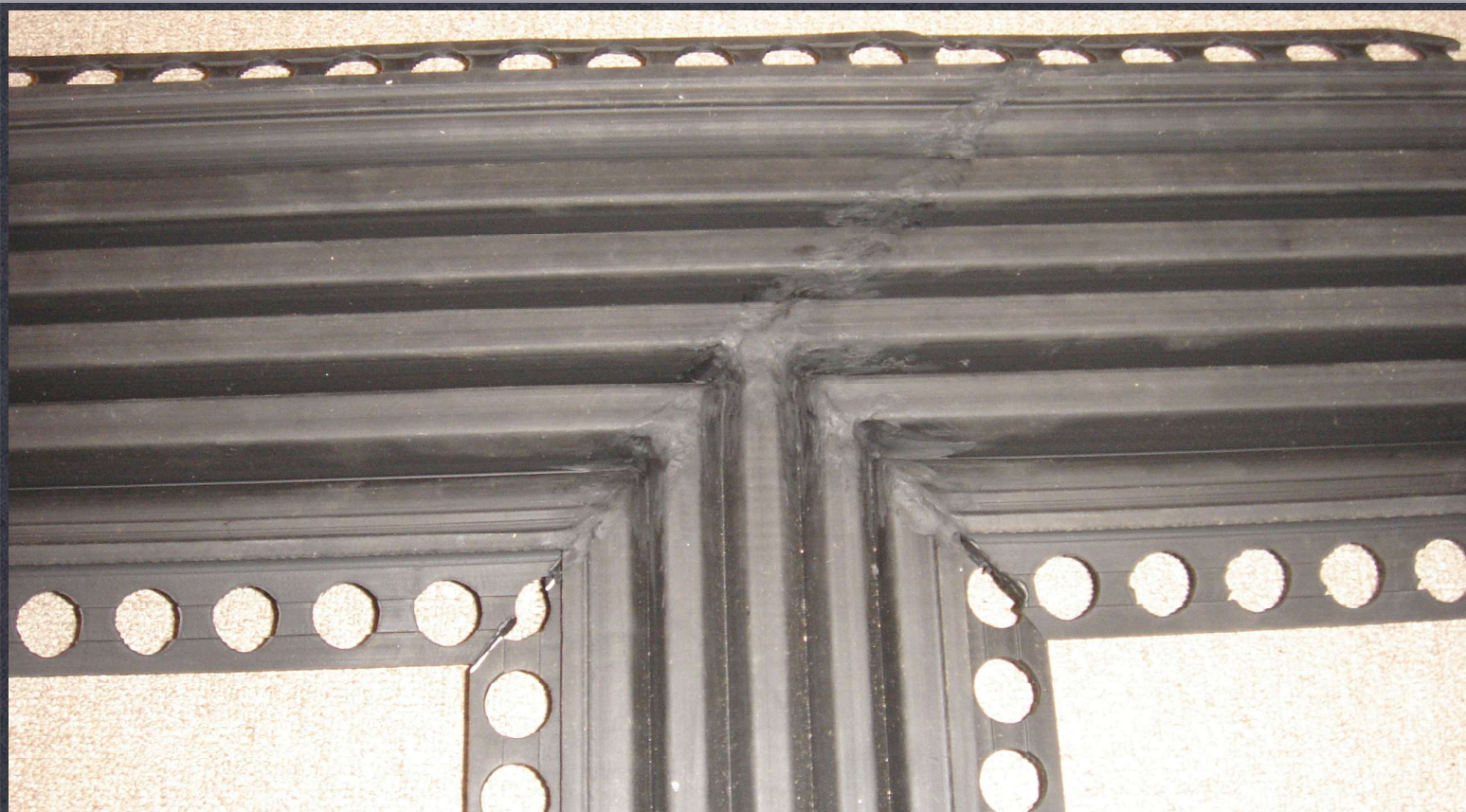
COMPLEX CURB FAB

ISO-FLEX J40L SYSTEM



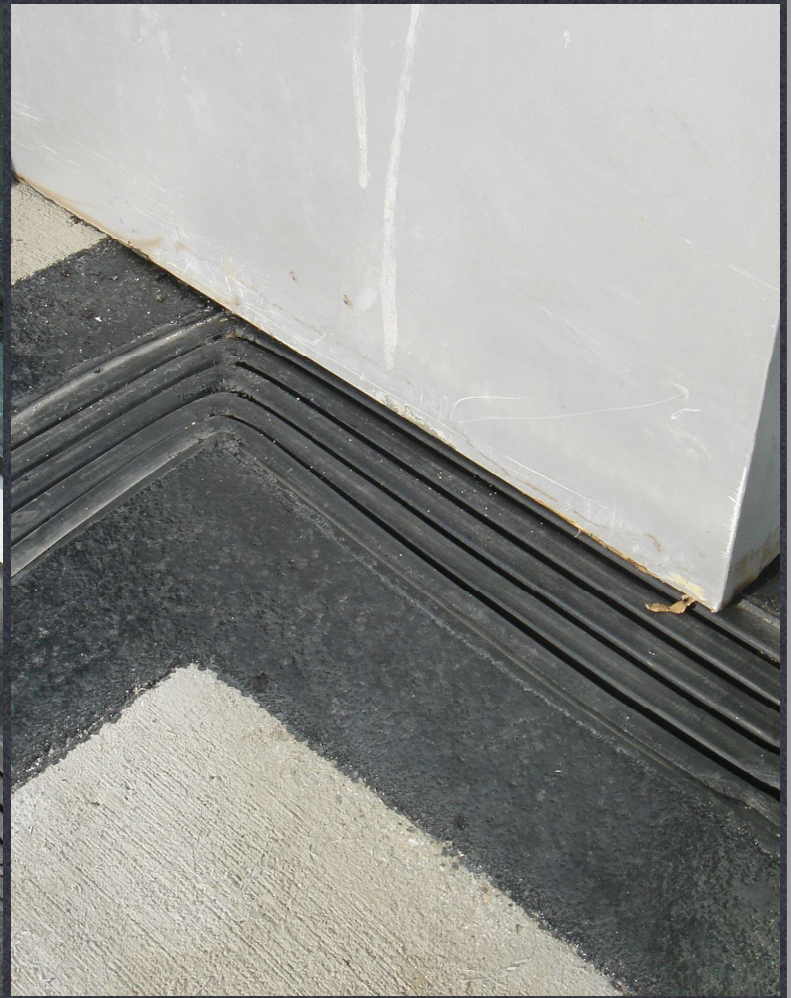
FABRICATION AT COLUMN

ISO-FLEX WINGED EXPANSION JOINT



J60L TO J40L SERIES SEAL

FACTORY FABRICATED "T" INTERSECTION



INSTALLED TRANSITIONS

ISO-FLEX WINGED EXPANSION JOINT

UL Tested

Iso-Flex J Series Seals are listed with UL Labs for a 2 Hour Rating up to 7" Wide Joint Gaps



The word is out!

That's right, it's UL certified and now you have a choice in fire rated expansion joint systems...



LymTal International Inc. has launched a differentiated series of fire rated expansion joint systems.

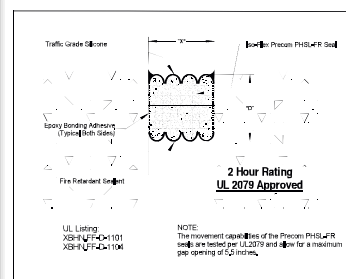
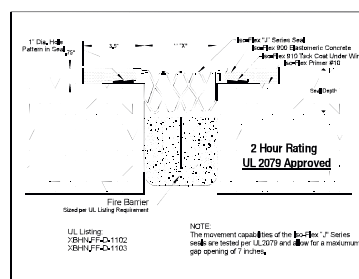
A recent 2 Hour testing program was successfully conducted at UL Laboratories in Illinois. Outcome of the testing was a series of approved systems with enhanced sizing and movement capabilities.

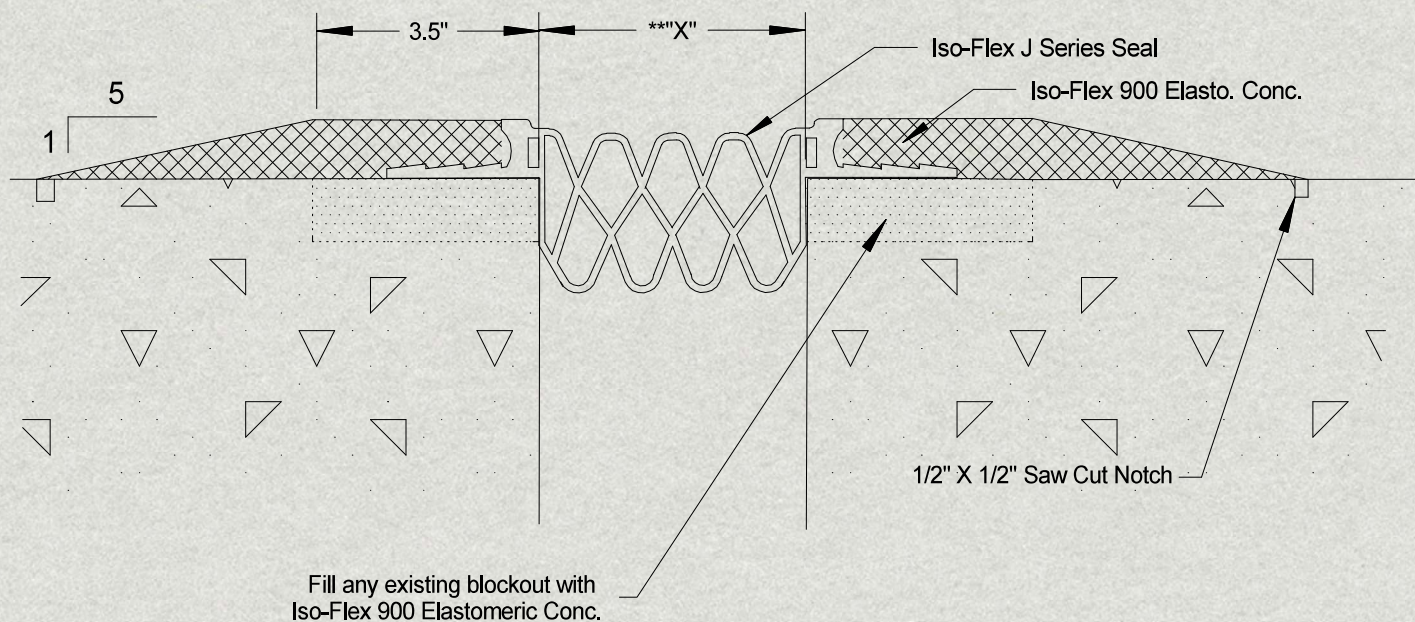
The **Iso-Flex Precom PHSL-FR** is an impregnated, precompressed foam joint system with a 5.5" max gap fire rating and an 80% movement range.

The **Iso-Flex J Series Winged Joints** having rubber seals and elastomeric headers are tested and approved for a 7" max gap fire rating and an 82% movement range.

The Underwriters Laboratories fire testing program was conducted to UL 2079 specifications. Standard splicing processes were incorporated into the testing protocol and is a part of the UL certification. The systems tested were approved for horizontal and vertical applications.

LymTal International, Inc.
248-373-8100 www.lymtal.com
4150 S. Lapeer Road
Lake Orion, MI 48359





NOTE:

1. (**) The dimensions provided above are an indication of the total capacity of the joint system. This includes all thermal, creep/shrink, and tolerance considerations.

All bold dimensions are inches.
All italicized dimensions are in millimeters.

SEAL TYPE	MOVEMENT RANGE	SEAL DEPTH	JOINT OPENING SIZE (X)		INSTALLATION WIDTH		
			Minimum (x)	Maximum (x)	Minimum	Mid-Range	Maximum
J23L	1.750 <i>44.450</i>	2.250 <i>57.150</i>	0.750 <i>19.050</i>	2.500 <i>63.500</i>	1.000 <i>25.400</i>	1.500 <i>38.100</i>	2.250 <i>57.150</i>
J30L	2.500 <i>63.500</i>	2.500 <i>63.500</i>	1.000 <i>25.400</i>	3.500 <i>88.900</i>	1.500 <i>38.100</i>	2.000 <i>50.800</i>	3.250 <i>82.550</i>
J40L	3.000 <i>76.200</i>	2.750 <i>69.850</i>	1.500 <i>38.100</i>	4.500 <i>114.300</i>	2.000 <i>50.800</i>	3.000 <i>76.200</i>	4.250 <i>107.950</i>
J50L	3.500 <i>88.900</i>	3.000 <i>76.200</i>	2.000 <i>50.800</i>	5.500 <i>139.700</i>	2.500 <i>63.500</i>	4.000 <i>101.600</i>	5.250 <i>133.350</i>
J60L	3.500 <i>88.900</i>	3.000 <i>76.200</i>	3.000 <i>76.200</i>	6.500 <i>165.100</i>	3.500 <i>88.900</i>	5.000 <i>127.000</i>	6.250 <i>158.750</i>

LymTal International, Inc.

Scale: NTS

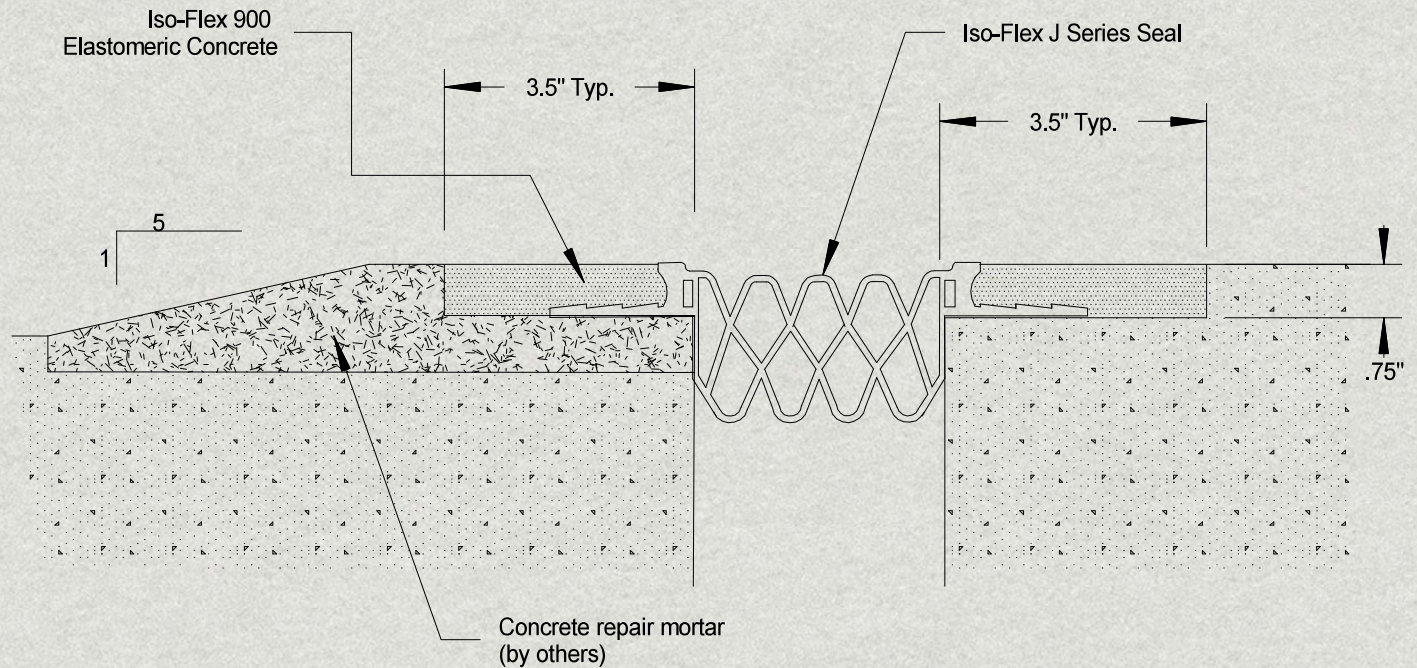
Drawn By: GAB

Date: 9/14/06

Revised:

J Series Wing Joint Raised Condition

Drawing Number: 1571-00



Note:

1. Maintain engineer approved slope to repair mortar in order to comply with ADA.

LymTal International, Inc.

Scale: NTS

Drawn By: LAG

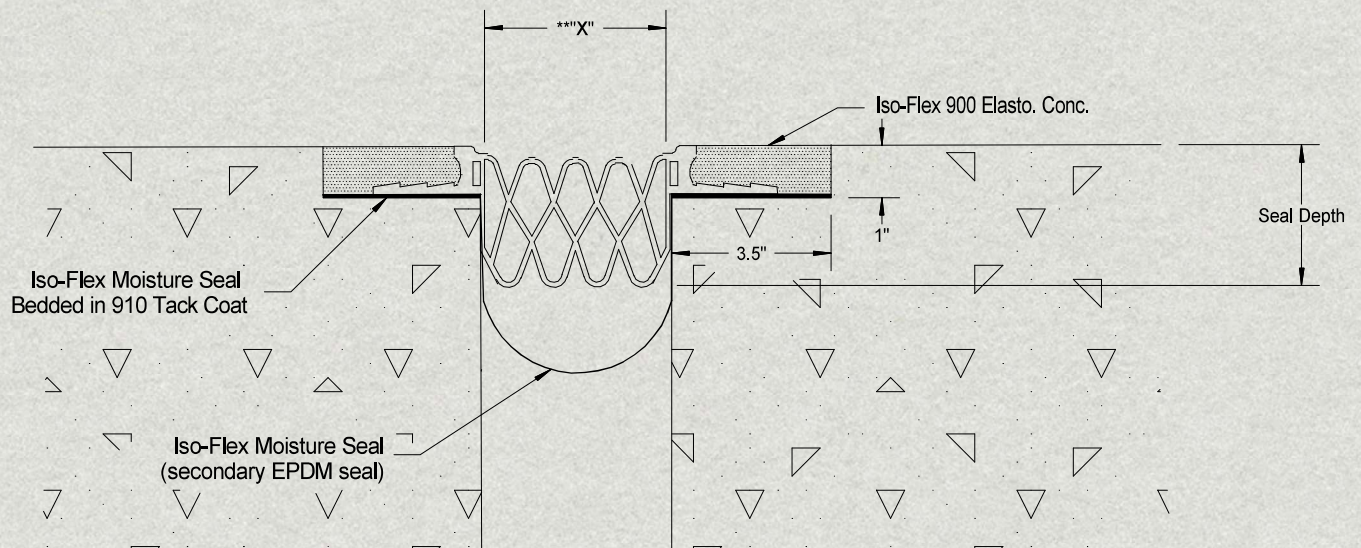
Date: 1/12/07

Revised:

Iso-Flex Winged Expansion Joint

Raised Condition

Drawing Number: 1586-00



NOTE:

1. (**) The dimensions provided above are an indication of the total capacity of the joint system. This includes all thermal, creep/shrink, and tolerance considerations.

SEAL TYPE	MOVEMENT RANGE	SYSTEM DEPTH	JOINT OPENING SIZE (X)		INSTALLATION WIDTH		
			Minimum (x)	Maximum (x)	Minimum	Mid-Range	Maximum
J23L	2.000 50.800	2.250 57.150	0.625 15.875	2.625 66.675	1.000 25.400	1.500 38.100	2.375 60.325
J30L	2.750 69.850	2.500 63.500	0.750 19.050	3.500 88.900	1.500 38.100	2.000 50.800	3.250 82.550
J40L	3.000 76.200	2.750 69.850	1.500 38.100	4.500 114.300	2.000 50.800	3.000 76.200	4.250 107.950
J50L	3.750 95.250	3.000 76.200	1.750 44.450	5.500 139.701	2.500 63.500	4.000 101.600	5.250 133.351
J60L	3.500 88.900	3.000 76.200	3.000 76.200	6.500 165.101	3.500 88.900	5.000 127.001	6.250 158.751
J70L	4.000 101.600	3.250 82.550	3.000 76.200	7.000 177.801	3.500 88.900	5.000 127.001	6.750 171.451

LymTal International, Inc.

Scale: NTS

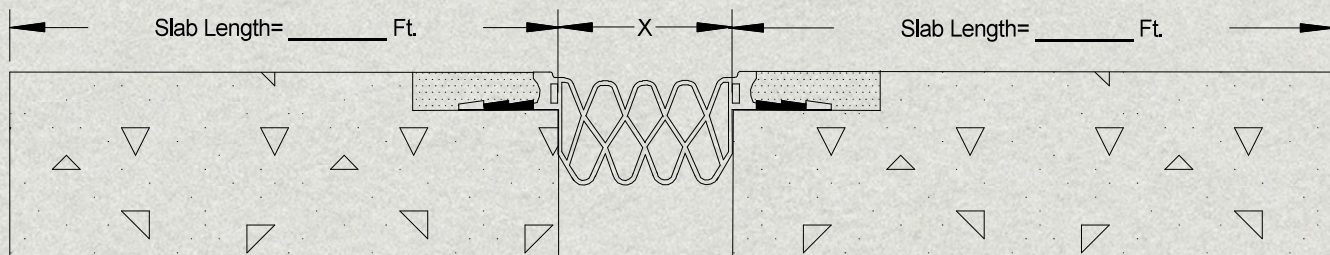
Drawn By: LAG

Date: 7/6/12

Revised:

Iso-Flex J Series Wing Seal w/ Moisture Seal

Drawing Number: 2231-00



Temperature Adjustment Table*					Temp. Range ____°F. to ____°F.					
SEAL TYPE	MVMT RANGE	MOVEMENT RANGE (X)			Measured Joint Gap @ Selected Temp. (°F.)					
		Min. (x)	Mid. (x)	Max. (x)	40 °	50 °	60 °	70 °	80 °	90 °
J23L	1.875	0.625	1.563	2.500						
	<i>47.625</i>	<i>15.875</i>	<i>39.700</i>	<i>63.500</i>						
J30L	2.750	0.750	2.125	3.500						
	<i>69.850</i>	<i>19.050</i>	<i>53.975</i>	<i>88.900</i>						
J40L	3.000	1.500	3.000	4.500						
	<i>76.200</i>	<i>38.100</i>	<i>76.200</i>	<i>114.300</i>						
J50L	3.500	2.000	3.750	5.500						
	<i>88.900</i>	<i>50.800</i>	<i>95.250</i>	<i>139.701</i>						
J60L	3.500	3.000	4.750	6.500						
	<i>88.900</i>	<i>76.200</i>	<i>120.650</i>	<i>165.101</i>						

Bold dimensions are inches.
Italicized dimensions are in millimeters.

- * This temperature adjustment table is intended to respond only to thermal movement. Effects on the joint opening related to elastic shortening, creep and shrink are not considered in this table.
- The joint system size selected must not exceed the allowable gap opening throughout the designed temperature range.
- The recommended measurement of deck temperature shall be derived by use of an infrared thermometer. The beam shall be directed into the open joint gap and measuring the slab temperature at the mid point of the total slab depth. It is further recommended that a minimum of 3 readings be taken and averaged for each joint location.
- Once slab lengths are measured and recorded and once temperature readings are taken with related gap opening recorded, the data may be submitted to LymTal. LymTal will in turn develop a comprehensive temperature adjustment chart that can be utilized in submission to the project engineer.

LymTal International, Inc.

Scale: NTS

Drawn By: GAB

Date: 1/11

Revised:

Iso-Flex "J" Series Temperature Table

Drawing Number: 2135-00