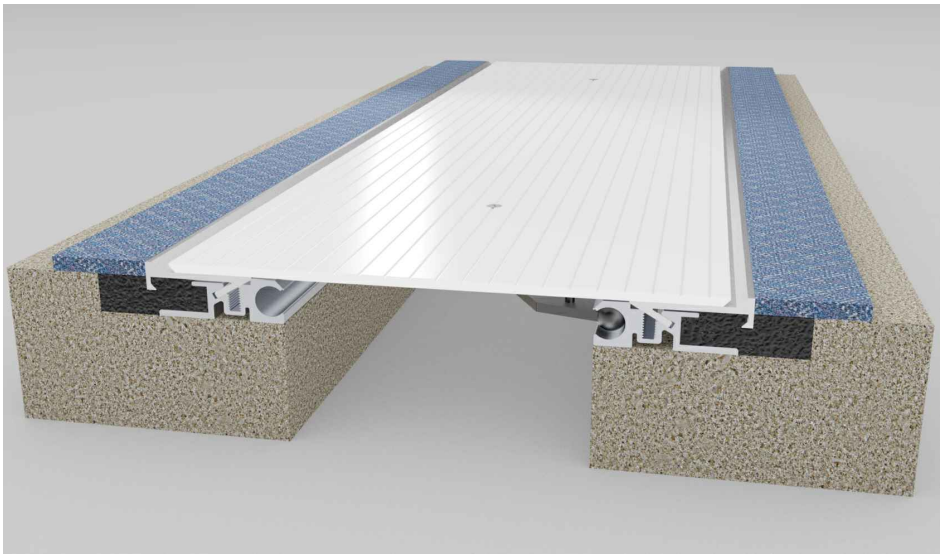


Installation Procedure

Wabo® SeismicFloor Series
Model(s) FNB200 - 2400
Horizontal Expansion Control Systems

The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of expansion joint system the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

1. Carefully read and understand installation procedure. Contact Sika Emseal's Technical Service Department at 508-836-0280 for product assistance.
2. Inspect all shipments and materials for missing or damaged components and hardware upon arrival. Contact Customer Service at 508-836-0280 with Emseal's order number and invoice for prompt assistance.
3. Inspect substrate or adjacent construction for acceptance before beginning work. Report unacceptable construction to the project manager for scheduled repair work.
4. Review Emseal shop drawings for project specific detailed information if Engineering services were provided at time of order.

Standard Components

FNB Aluminum Base Member
(Models: 200 - 400)
P/N: 11112

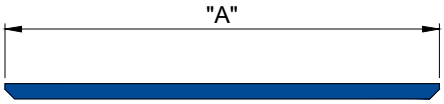
Aluminum Base Member
(Models: 500 - 2400)
P/N: 15804

1/4" x 2-1/4" Concrete Screw
P/N: 6524

1/4" x 5/8" Screw
P/N: 5620

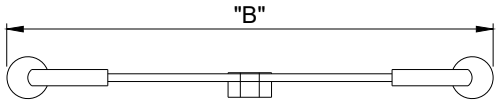
1/4" x 1 1/4" Screw
P/N: 5621

Components shown below vary in size depending on model of system

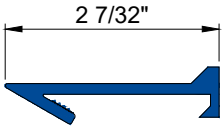


Cover Plates			
Model	"A"	Part Number (Material)	
		Alum	Stnls Stl
FNB200	4 7/8"	12150	*SS-0.1875-4.875
FNB400	6 7/8"	12151	*SS-0.1875-6.875
FNB600	10 3/4"	12152	*SS-0.1875-10.75
FNB800	14 1/4"	12153	*SS-0.1875-14.25
FNB1000	16 5/8"	12154	*SS-0.250-16.625
FNB1200	19 5/8"	12155	*SS-0.250-19.625
FNB1800	29"	12156	*SS-0.250-29.00
FNB2400	36"	12157	*SS-0.250-36.00

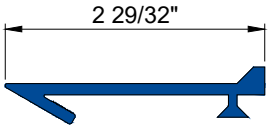
*Denotes P/N Prefix "FNB-CVR-..."



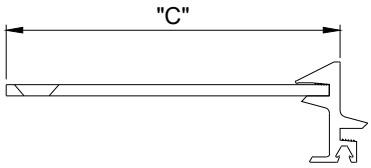
Self-Centering Bar		
Model	"B"	Part Number
FNB200	7"	11089
FNB400	12 3/8"	15643B
FNB600	12 3/8"	15643B
FNB800	18 3/8"	15630B
FNB1000	18 3/8"	15630B
FNB1200	22 3/8"	15631
FNB1800	32 3/8"	15644
FNB2400	38 3/8"	15604



FNB600 Aluminum
Extension Flange
P/N: 11015



FNB800 Aluminum
Extension Flange
P/N: 11091



Aluminum Extension Flange		
Model	"C"	Part Number
FNB1000	3 1/4"	12040
FNB1200	3 3/4"	12041
FNB1800	5 7/16"	12170
FNB2400	5 15/16"	12171

See Sheet 4 for Aluminum
Extension Flange Design Configurations

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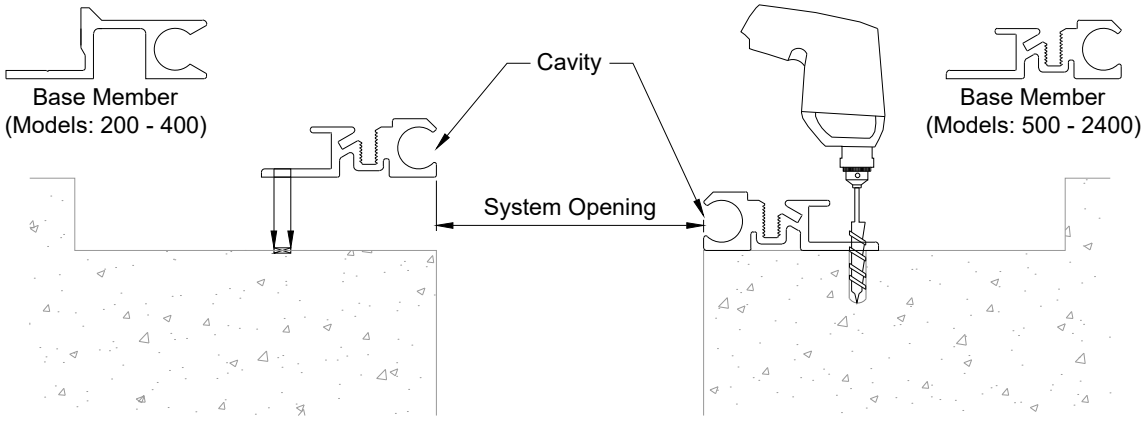
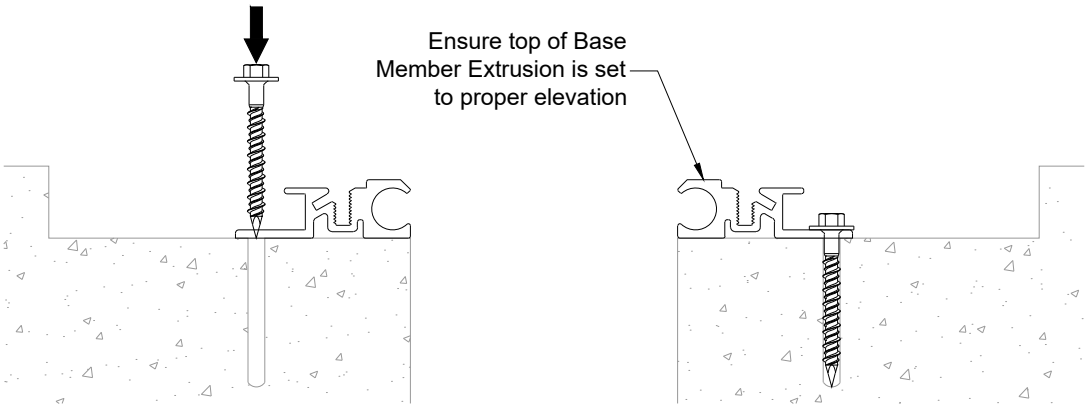
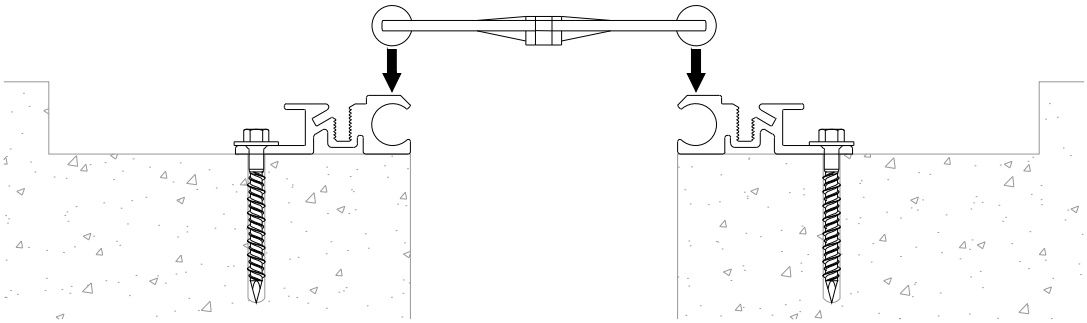


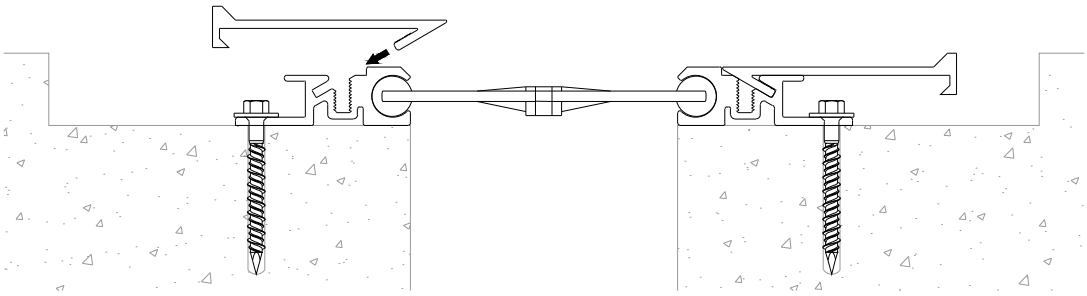
1 Position the base members on the block-out so that the space between the cavity faces matches the listed opening for the system size being installed. Using base member as a template and with its position fixed, drill hole for 1/4" x 2-1/4" concrete screw (P/N 6524) to proper depth. Clean out holes.



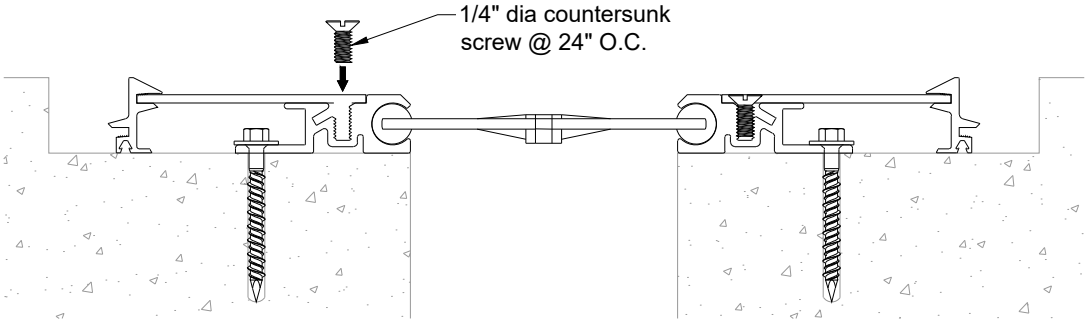
2 Follow industry-standard practices for proper fastener installation.
Caution: Do not install all base members prior to reviewing step 6.



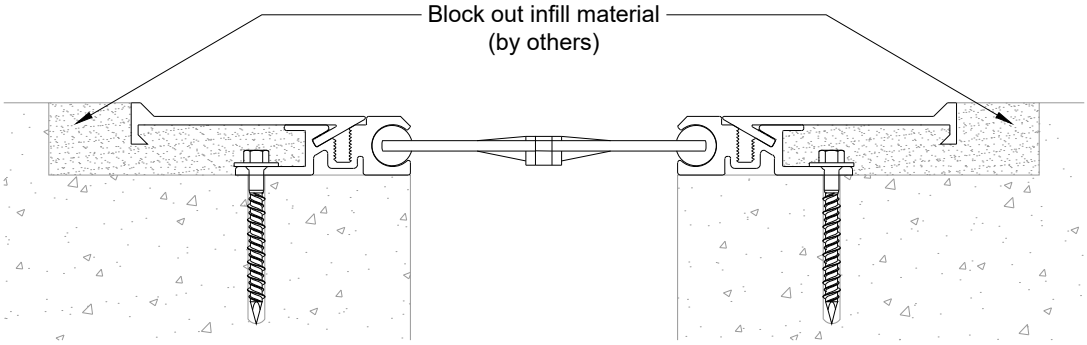
3 As work progresses with placement of base members, install self-centering bars by sliding their spherical ends into the ends of the base members through the circular cavities. Set at an approximate spacing of 24" O.C.
IMPORTANT: Ensure that the "top" indicator is facing up and that all bars are in same orientation.



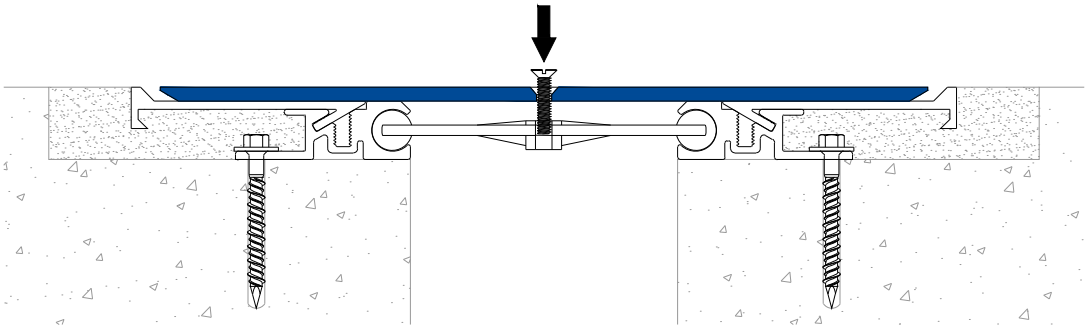
4A (FNB600 - FNB800)
Attach aluminum extension flange to base member. Aluminum extension type depends on system size. Check page 1 for proper extension size.



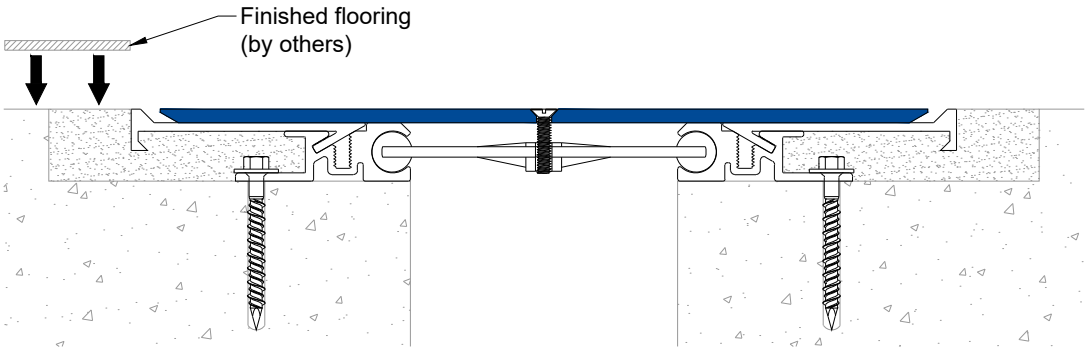
4B (FNB1000 - FNB2400)
Attach aluminum extension flange to base member. Utilizing the 1/4" Dia x 5/8" screw (P/N 5620), fasten extension flange to the top of the aluminum base member at the pre-drilled hole locations.



5 Fill block out with high quality non-shrink grout material. Protect surfaces during placement of filler material.

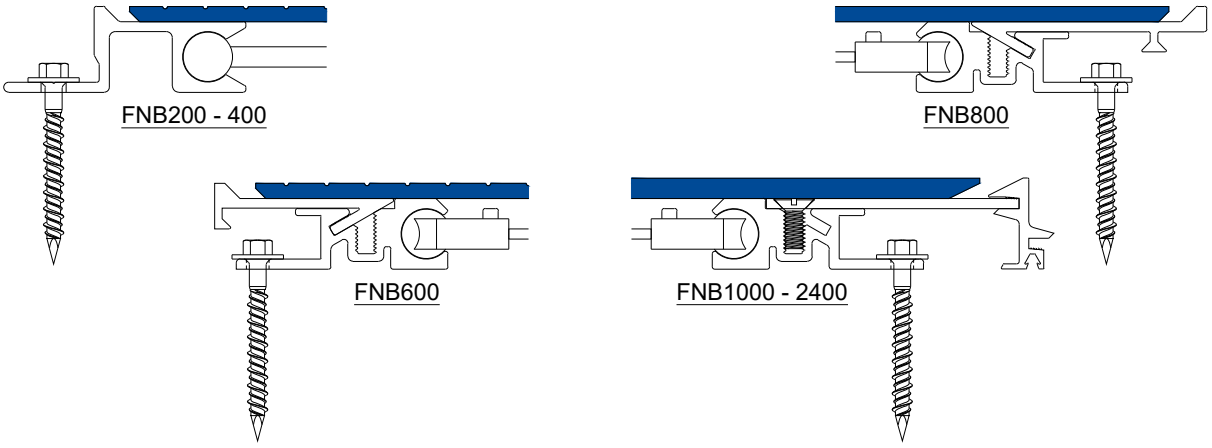


6 Position the coverplate over expansion opening, align pre-drilled holes in coverplate with threaded insert in self-centering bars. Fasten with 1/4" x 1-1/4" flat screw (P/N 5621).
Tighten to create measurable tension in the bar.



7 Install flooring material. Ensure flush installation with top of expansion joint system.
Caution: Contact flooring manufacturer to discuss application and procedure for proper installation.

Aluminum Extension Flange Designs



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