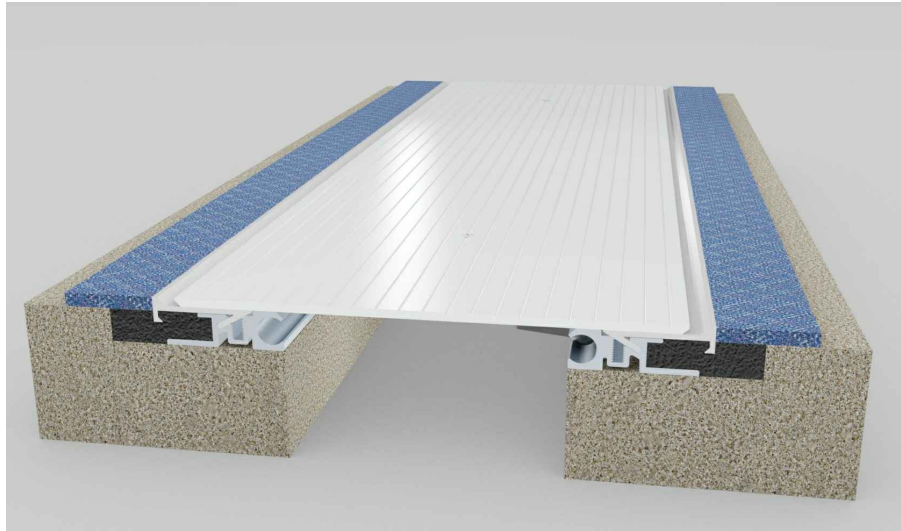




Installation Procedure

Watson Bowman Acme Corp. 95 Pineview Drive Amherst, NY 14228
phone: (716) 691-7566 fax: (716) 691-9239
website: www.wbacorp.com


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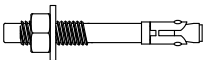



Wabo® SeismicFloor Series Model(s) FNB-200 - 2400 Horizontal Expansion Control Systems


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 WBA's Technical Service Department at (800) 677-4922 for product assistance.
- 2) Inspect all shipments and materials for missing or damaged components and hardware. Contact Customer Service at (800) 677-4922 with WBA'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 WBA shop drawings for project specific detailed information if Engineering services were purchased at time of order.


FNB Aluminum base extrusion
(Models: 200 thru 400)
P/N: 11112

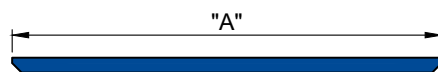

1/4" x 2-1/4" Concrete
anchor with nut and washer
P/N: 6581


1/4" X 1 1/4" Lg Screw
P/N: 5621

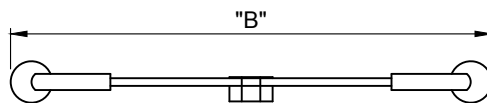

Aluminum base assembly
(Models: 500 thru 2400)
P/N: 15804


1/4" X 5/8" Lg Screw
P/N: 5620

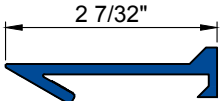
Components shown below vary in size depending on model of system

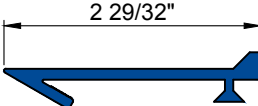


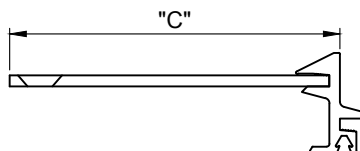
| Aluminum Cover Plate | | | | | |
|----------------------|---------|-------------|----------|---------|-------------|
| Model | "A" | Part Number | Model | "A" | Part Number |
| FNB-200 | 4 7/8" | 12150 | FNB-800 | 14 1/4" | 12153 |
| FNB-300 | 6 7/8" | 12151 | FNB-1000 | 16 5/8" | 12154 |
| FNB-400 | 6 7/8" | 12151 | FNB-1200 | 19 5/8" | 12155 |
| FNB-500 | 10 3/4" | 12152 | FNB-1800 | 29" | 12156 |
| FNB-600 | 10 3/4" | 12152 | FNB-2400 | 36" | 12157 |



| Self-Centering Bar | | | | | |
|--------------------|---------|-------------|----------|---------|-------------|
| Model | "B" | Part Number | Model | "B" | Part Number |
| FNB-200 | 7" | 11089 | FNB-800 | 18 3/8" | 15630 |
| FNB-300 | 12 3/8" | 15643 | FNB-1000 | 18 3/8" | 15630 |
| FNB-400 | 12 3/8" | 15643 | FNB-1200 | 22 3/8" | 15631 |
| FNB-500 | 12 3/8" | 15643 | FNB-1800 | 32 3/8" | 15644 |
| FNB-600 | 12 3/8" | 15643 | FNB-2400 | 38 3/8" | 15604 |


FNB-500/600
Extension P/N: 11015

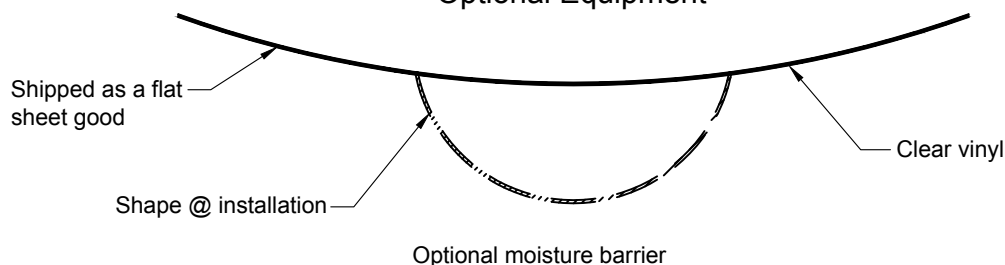

FNB-800 Extension
P/N: 11091

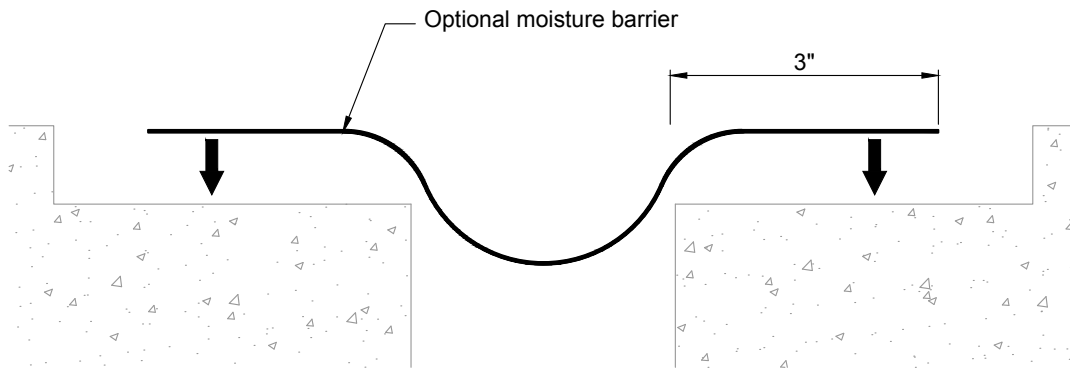


| Model | "C" | Part Number | Model | "C" | Part Number |
|----------|--------|-------------|----------|----------|-------------|
| FNB-1000 | 3 1/4" | 12040 | FNB-1800 | 5 7/16" | 12170 |
| FNB-1200 | 3 3/4" | 12041 | FNB-2400 | 5 15/16" | 12171 |

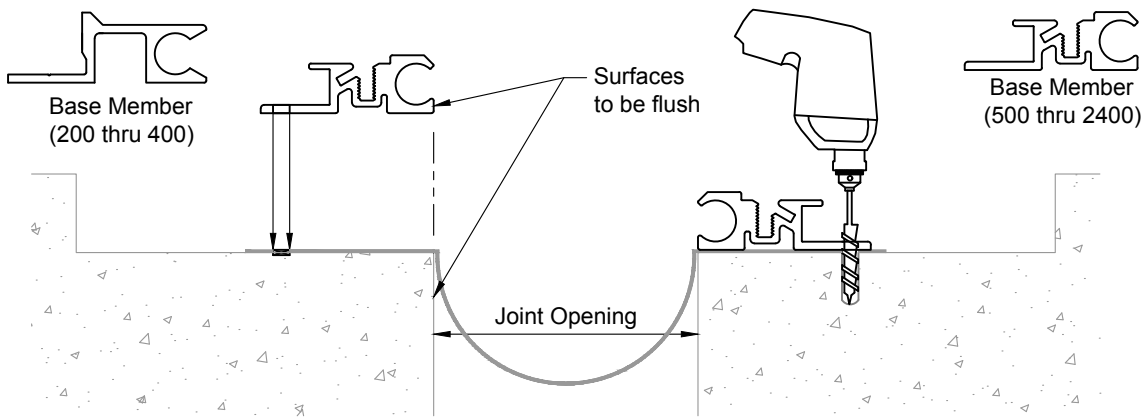
See Sheet 4 for Aluminum
Extension Design Configurations

Optional Equipment

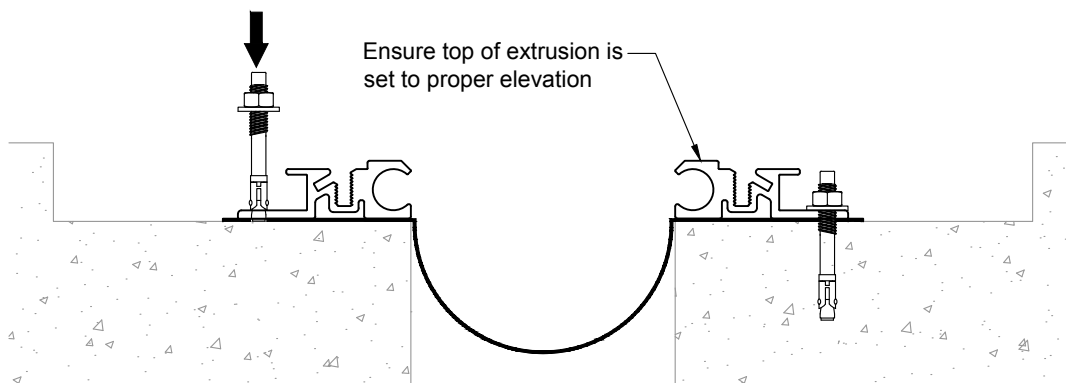




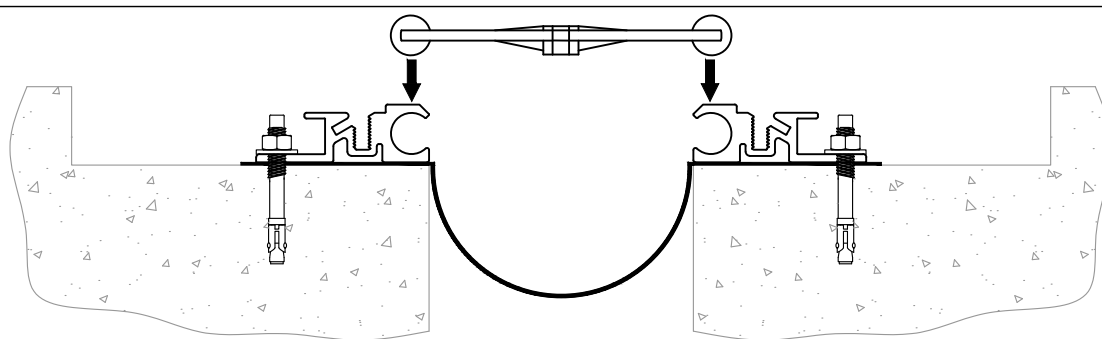
- 1** (Optional)
Position moisture barrier in to blockout. Maintain proper overlap and temporarily affix with duct tape (if required).



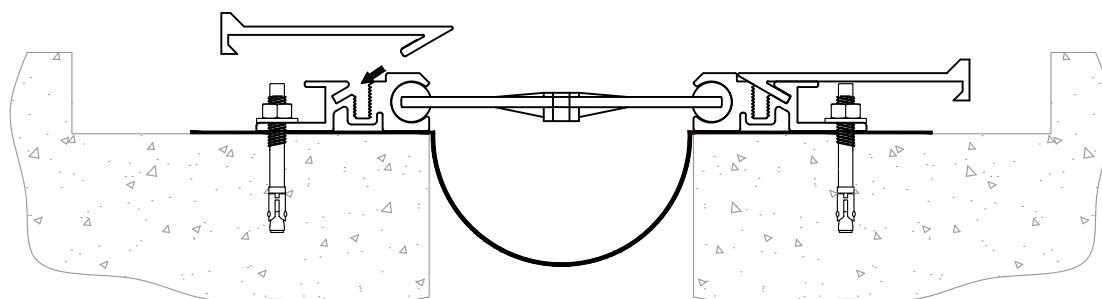
- 2** Position base member on block out so cavity of base member is flush with edge of opening. Using base member as a template and with its position fixed, drill hole for 1/4" x 2-1/4" concrete anchor to proper depth. Clean out holes.



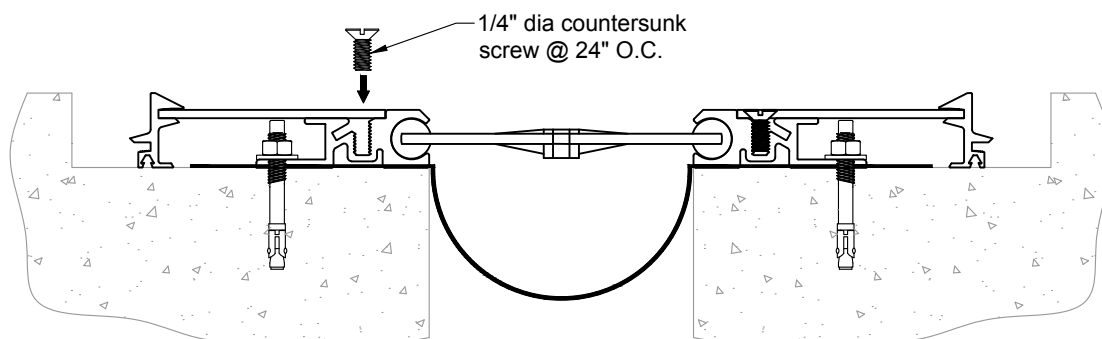
- 3** Follow Hilti's recommendations for proper anchor installation. Remove all debris from moisture barrier by utilizing shop vac.
Caution: Do not install all base members prior to reviewing step 6.



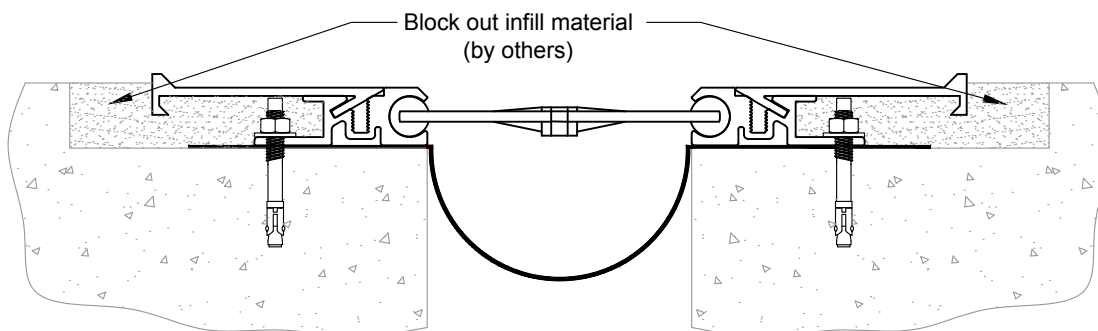
- 4** As work progresses with placement of base members, install self-centering bars by sliding the spherical ends of the bars into and through the circular cavities of the base members. Set at an approximate spacing of 18" O.C. Ensure that the "top" indicator is facing up and that all bars are in same orientation.



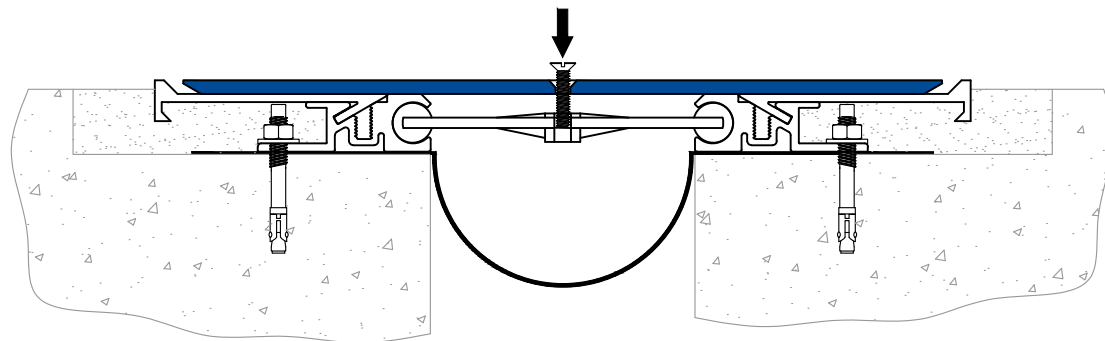
- 5A** (FNB-500 thru FNB-800)
Attach aluminum extension to base member. Aluminum extension type depends on system size. Check page 1 for proper extension size.



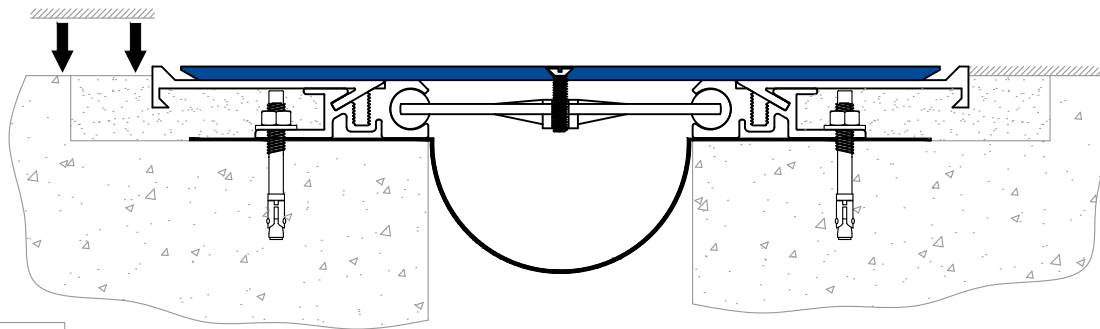
- 5B** (FNB-1000 thru FNB-2400)
Attach aluminum extensions to base member. Utilizing the 1/4" Dia x 5/8" lg screw, fasten extension wing to the top of the Aluminum Base Member at the pre-drilled locations in the extension wing.



- 6** Fill block out with high quality non-shrink cementitious filler material. Protect surfaces during placement of filler material.

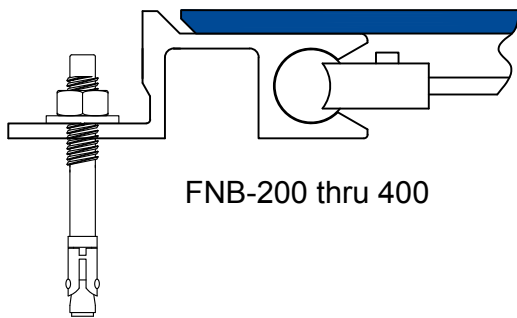


- 7** Position the center slide plate over expansion opening, align pre-drilled holes in slide plate with threaded insert in self-centering bars. Fasten with 1/4" x 1-1/4" CSK flat screw. Tighten to create measurable tension in the bar.

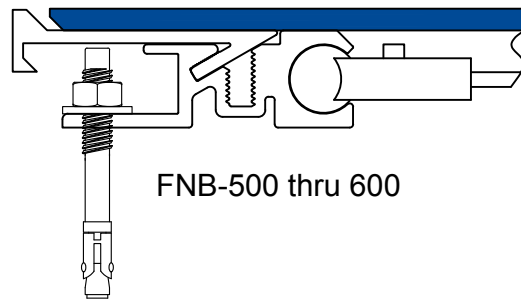


- 8** Install flooring material. Ensure flush installation with top of expansion joint system. Caution - contact flooring manufacturer to discuss application and procedure for proper installation.

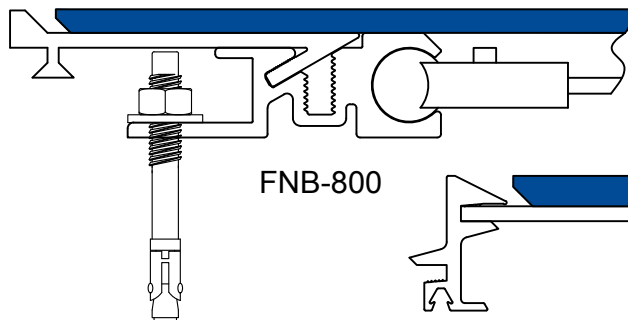
Aluminum Extension Design



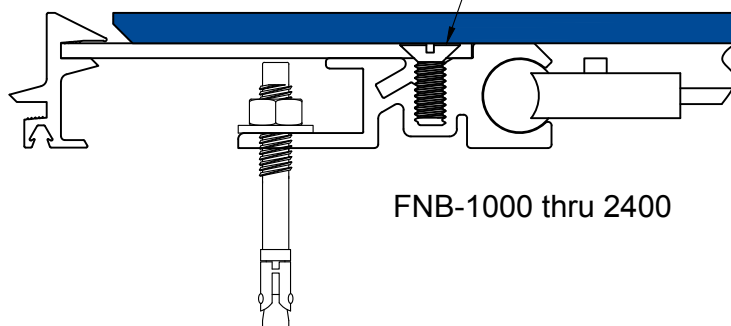
FNB-200 thru 400



FNB-500 thru 600



FNB-800



FNB-1000 thru 2400

Installation procedure: FNB-200-2400 SeismicFloor Sys.
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