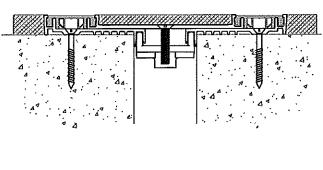


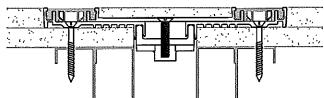
Installation Procedure

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

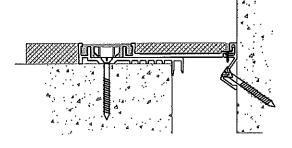
website: www.wbacorp.com

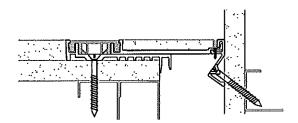
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Model - TSF Floor Condition See Sheets: 1-5 For Installation of System





Model - TSF Corner Condition See Sheets: 6-10 For Installation of System

Wabo® TwinSeam Model(s) "TSF" & "TSF Corner" Horizontal & Vertical 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.

- 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.
- 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.

Issued: 8/18/08 p/n: 20218

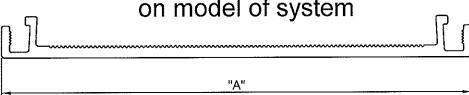
Standard Components For Floor Condition

No. 12 x 1¾" Lg. Threaded Concrete Anchor 1/4" Dia. x 2" Lg. Stainless Steel Flathead Screw Part Number - 6530 Part Number - 5682 3 1/4" No. 6 Screw Part Number - 5719 Aluminum Base Extrusion 10" Part Number - 20701 Seismic Centering Bar Elastomeric Seal Part Number - 11120 P/N - 17101 (Black) 17102 (Gray) 17103 (Beige)

Components shown below vary in size depending on model of system

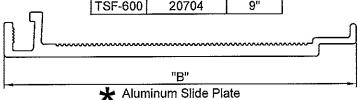
* Wall Mount Aluminum Extrusion

Part Number - 11206



Aluminum Slide Plate

Dimensional Chart		
Model	Part Number	"A"
TSF-200	20702	5"
TSF-400	20703	7"
TSF-600	20704	9"



Dimensional Chart			
Model	Part Number	"B"	
TSF-200C	20705	3.432"	
TSF-400C	20706	5.432"	
TSF-600C	20708	7.432"	

Sheet

of 10

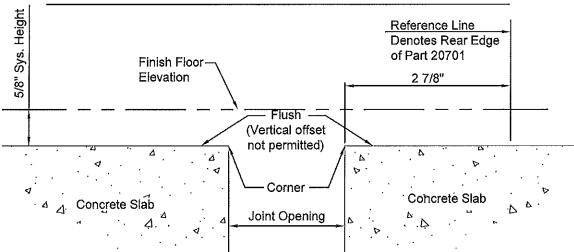
Watson Bowman Acme Corp. 95 Pineview Drive Amherst, NY 14228

Watson Bowman Acme Corp. reserves the right to amend or withdraw any information contained herein without notice and will not be responsible for any inaccuracy or ambiguity of any information contained herein. TwinSeam system Installation procedure:



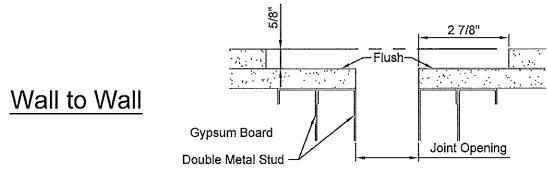


17104 (White)



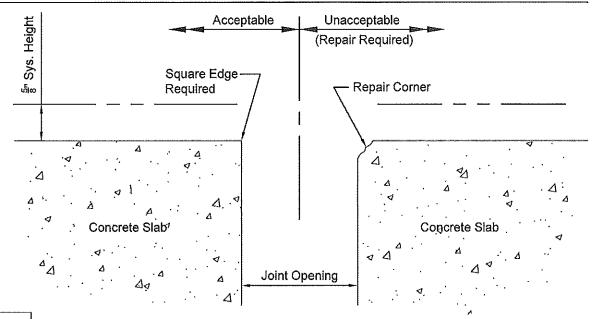
1A

<u>Floor</u> - Prior to beginning work, installer shall inspect corners of concrete slab for acceptability. For repair (if required) refer to step 2, also, measure joint opening for proper size as called for on W.B.A. shop drawings or Cad detail.



1B

Wall - Prior to beginning work, installer shall inspect corners of Gypsum Board for acceptability.



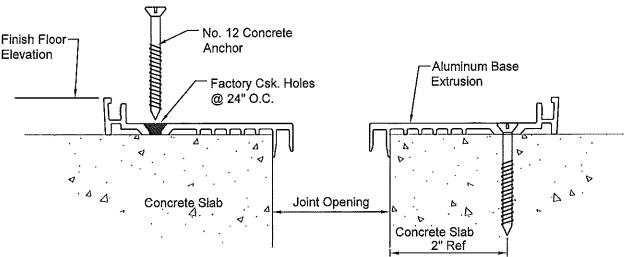
UTILIZING concrete repair material, repair corner of concrete slab following manufacturers written instructions.

Sheet 2 of 10

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Installation procedure: TSF TwinSeam system Watson Bowman Acme Corp. reserves the right to amend or withdraw any information contained herein without notice and will not be responsible for any inaccuracy or ambiguity of any information contained herein.

Watson Bowman Acme

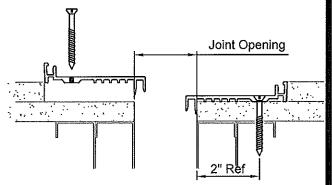


3A

<u>Floor</u> - Utilizing manufacturers Threaded Concrete Anchors, mount & secure Aluminum Base Extrusion to concrete slab.

- Butt all ends tight between standard lengths of aluminum base extrusion.

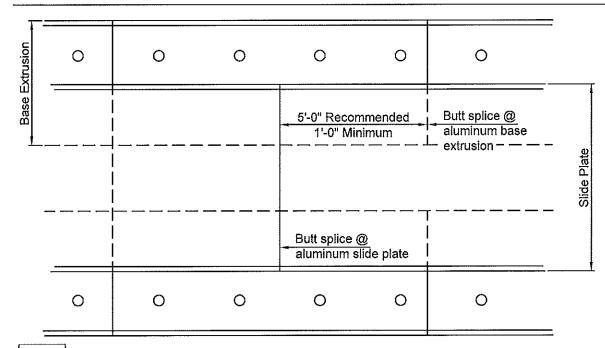
Note: Drill Holes for concrete anchors by utilizing 5/32" Carbide Masonary Drill Bits.



3B

<u>Wall</u> - Utilizing manufacturers Threaded Concrete Anchors, mount & secure Aluminum Base Extrusion to wall construction and metal stud. Butt all ends tight between standard lengths of aluminum base extrusion.

Note: Since construction is not concrete installer may continue to utilize supplied anchor if substrate is Wood, Plastic or Thin Metal. In such case, predrilling hole is typically not required.



4

Stagger all splices in accordance with detail illustrated above to provide a stronger assembly and durable installation.

Sheet 3 of 10

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Installation procedure: TSF TwinSeam system Watson Bowman Aome Corp. reserves the right to amend or withdraw any Information contained herein without notice and will not be responsible for any inaccuracy or ambiguity of any information contained herein.

Watson Bowman Acme

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website: www.wbacorp.com

Installation procedure: TSF TwinSeam system
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notice and will not be responsible for any inaccuracy or ambiguity of any information contained herein.

Insert S.S. Flathead Screw into Aluminum Slide plate and Seismic Centering bar. Partially thread screw through centering bar by allowing bar 2-3 full turns after engagement.

Aluminum Slide

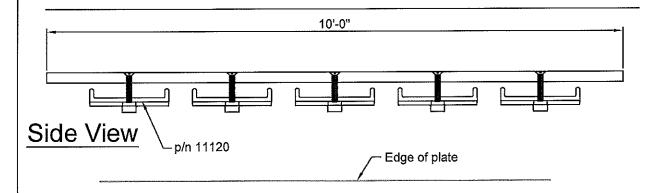
Plate

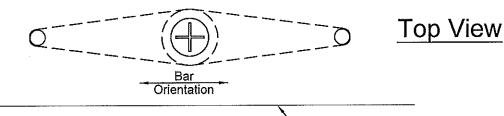
1/4" Ø S.S. Flathead

bar

Seismic centering

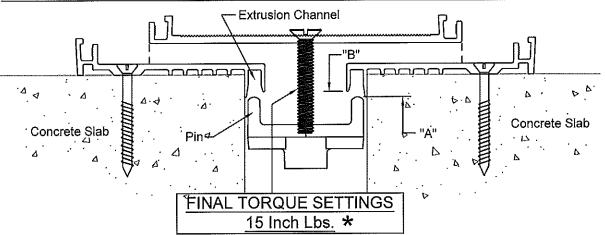
Screw





—Edge of plate

Step 5 must be complete for all seismic centering bars that will be utilized to secure a standard 10 foot section of slide plate. Centering bars must be oriented parallel to edge of plate to allow for proper insertion into opening and base extrusion channel.



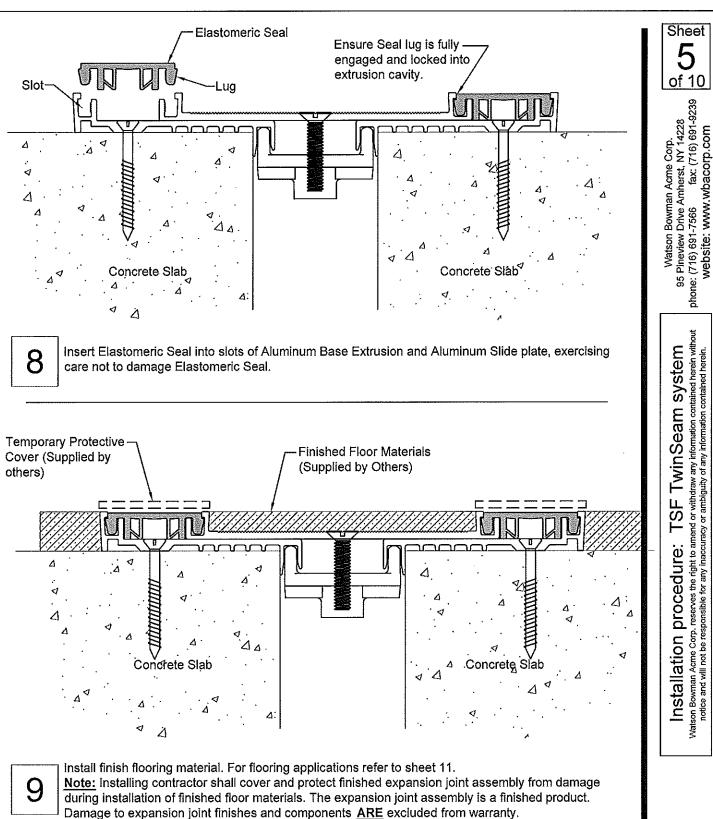
Center and lower slide plate into opening. Reference point "A" must be lower that point "B" to permit proper installation. Turn screw clockwise to rotate centering bar permitting alignment of pins directly below extrusion channel. With continuous motion, thread screw allowing vertical engagement between pin and channel. Visually inspect for proper engagement prior to final tightening of screws.

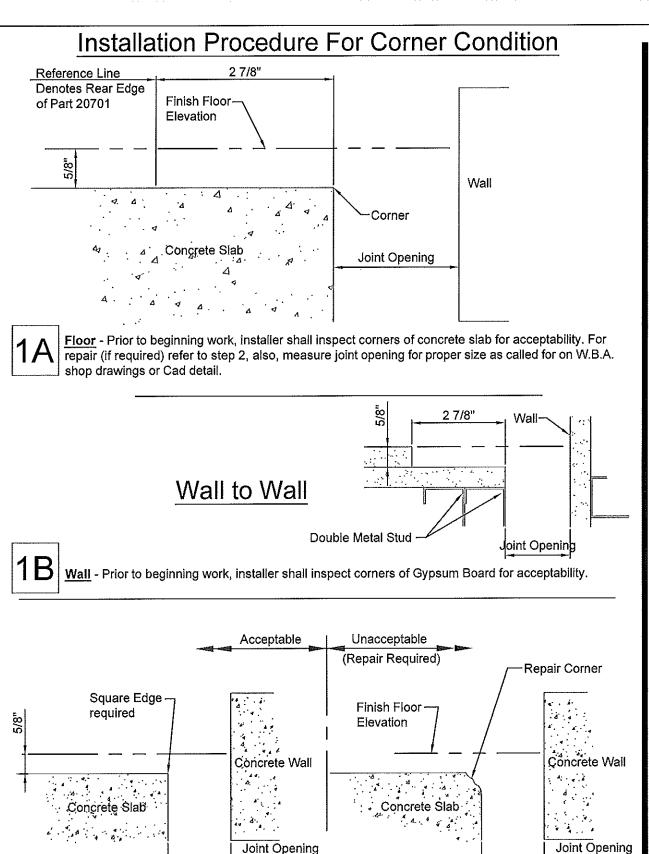
Utilizing inch-lbs clicker torque wrench, make final adjustment on all screws.

<u>Installation Tip:</u> Calibrate battery operated drill/driver to proper inch-lb setting. Periodically inspect for proper torque setting utilizing clicker wrench.

CAUTION: Over tightening of screws may VOID warranty.

* Armstrong Torque wrench #64-031 used to verify settings.





Watson Bowman Acme

Sheet

of 10

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website: www.wbacorp.com

phone:

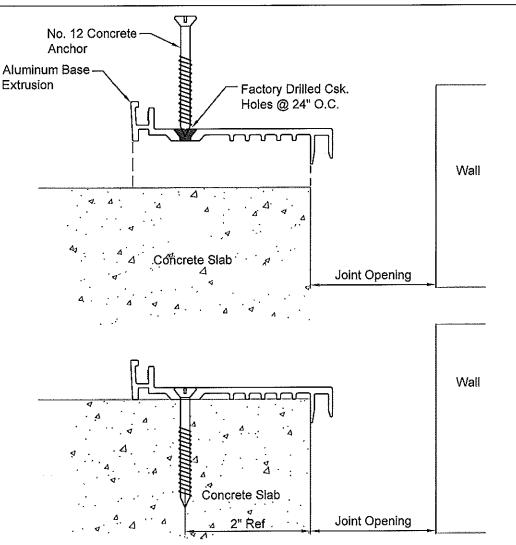
TwinSeam system

. 比S

Installation procedure:

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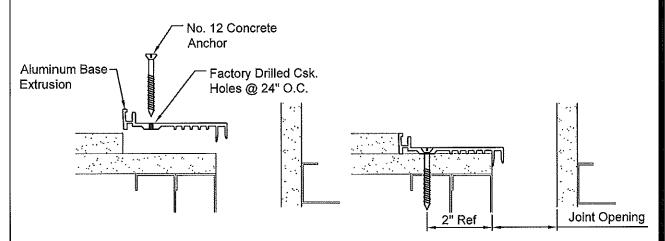
UTILIZING concrete repair material, repair corner of concrete slab following manufacturers written instructions.



<u>Floor</u> - Utilizing manufacturers Threaded Concrete Anchors, mount & secure Aluminum Base Extrusion to concrete slab.

- Butt all ends tight between standard lengths of aluminum base extrusion.

Note: Drill Holes for concrete anchors by utilizing 5/32" Lg Carbide Masonary Drill Bits.



<u>Wall</u> - Utilizing manufacturers Threaded Concrete Anchors, mount & secure Aluminum Base Extrusion to wall construction & metal stud.

- Butt all ends tight between standard lengths of aluminum base extrusion.

Note: Since construction is not concrete installer may continue to utilize supplied anchor if substrate is Wood, Plastic or Thin Metal. In such case, predrilling hole is typically not required.

Sheet 7 of 10

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Installation procedure: TSF TwinSeam system Watson Bowman Acme Corp. reserves the right to amend or withdraw any information contained herein without notice and will not be responsible for any inaccuracy or ambiguity of any information contained herein.



4

Base Extrusion

Wall mount extrusion

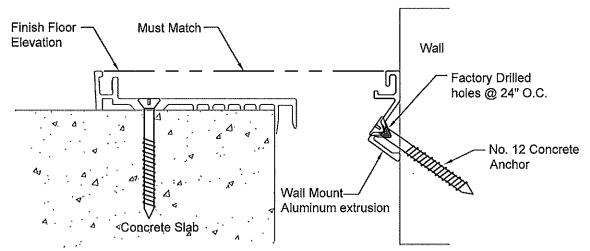
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Stagger all slpices in accordance with detail illustrated above to provide a stronger assembly and durable installation.

Face of Wall

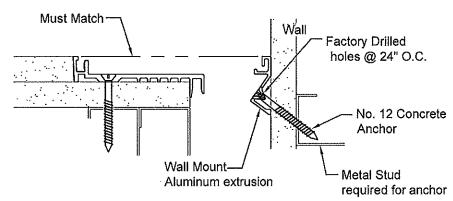


5A

<u>Floor</u> - Utilizing manufacturers Threaded Concrete Anchors, mount & secure Aluminum Base Extrusion to concrete slab.

- Butt all ends tight between standard lengths of aluminum base extrusion.

Note: Drill Holes for concrete anchors by utilizing \(\frac{5}{32} \)" Lg Carbide Masonary Drill Bits.



<u>Wall</u> - Utilizing manufacturers Threaded Concrete Anchors, mount & secure Wall Mount Aluminum Extrusion to wall construction & metal stud.

- Butt all ends tight between standard lengths of aluminum base extrusion.

<u>Note:</u> Since construction is not concrete installer may continue to utilize supplied anchor if substrate is Wood, Plastic or Thin Metal. In such case, predrilling hole is typically not required.

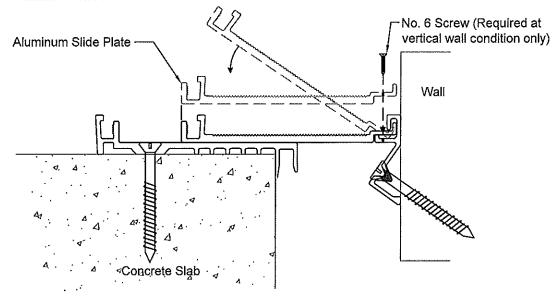
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phone: (716) 691-7566 fax: (716) 691-9239
website: www.wbacorp.com

Sheet

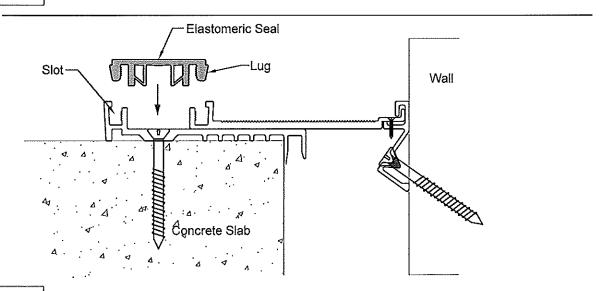
Installation procedure: TSF TwinSeam system Watson Bowman Acme Corp. reserves the right to amend or withdraw any information contained herein without notice and will not be responsible for any inaccuracy or ambiguity of any information contained herein.

Watson Bournan Acme

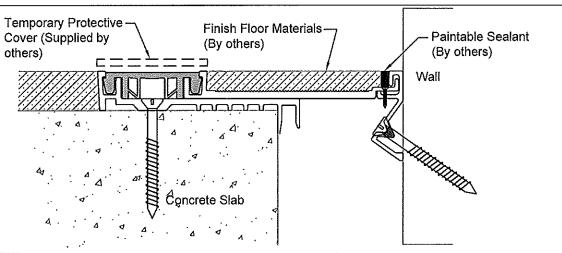
5B



Mount & secure Aluminum Slide Plate to Wall Mount Aluminum Extrusion. Utilize No. 6 Screw at vertical wall installation to maintain contact of slide plate to wall surface. Butt all ends tight between standard lengths of aluminum base extrusion.



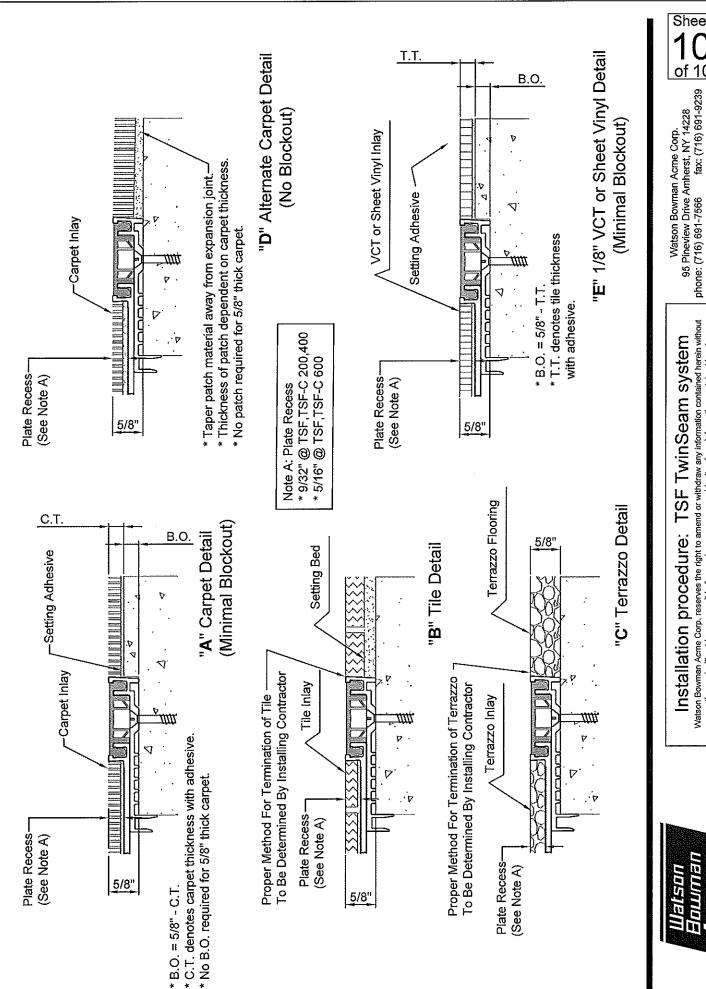
Insert Elastomeric Seal into slots of the Aluminum Base Extrusion and Aluminum Slide plate, exercising care not to damage Elastomeric Seal.

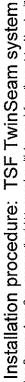


Install finish flooring material. For flooring applications refer to sheet 10.

8

Note: Installing contractor shall cover and protect finished expansion joint assembly from damage during installation of finished floor materials. The expansion joint assembly is a finished product. Damage to expansion joint finishes and components ARE excluded from warranty.





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