Installation Instruction

Preparation

Expansion Joint/Trench and Access Cover Systems

A guide to preparation and installation of Architectural Art products

1. Prior to installing:
    a. Inventory all materials and fasteners required for this installation.
    b. Make sure you have all tools required for the job.
    c. Make sure concrete is cured and other building components receiving the expansion joint cover or fire barrier are suitable for the installation.
2. Check materials for damage:
    a. Determine if damaged materials are field correctable. If you can correct the damage without compromising the function of the system or the aesthetics then proceed at your own discretion.
    b. If damage is not field correctable then contact Architectural Art:
        i. At the phone number at the bottom of the page
        ii. At the Fax number at the bottom of the page
        iii. At the address at the bottom of the page

3. During and after installation:
    a. All materials must be protected from damage due to construction conditions.
    b. If replacement materials are required Contact Architectural Art by any of the means listed above.

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Installation Instructions

4. Variations due to specific conditions or modifications to the standard product may not be addressed in this set of installation instructions. Reference project specific instructions or details for those conditions.
5. Review all submittal packages prior to proceeding with installation.
6. Read through complete instructions prior to beginning installation.
7. Field cutting may be required for site specific lengths and conditions.
    a. Begin cutting longest lengths first.
    b. Save your drop cuts for later use on shorter lengths.
8. If **Fire Barrier** is required as a part of this overall expansion joint cover system then refer to the fire barrier installation instructions before installing the expansion joint cover system.
    a. Fire Barrier flanges may change the overall depth of blockouts or wall recess required for this installation. Adjust as required.
    b. Determine fire barrier attachment requirements prior to installing cover.
    c. Life Safety or Fire Marshall Inspections may be required by the authority having jurisdiction over fire barriers prior to installing the joint cover system.
    d. Consult with field supervision for direction.
9. If a water-stop, moisture barrier or weatherproof design is required in conjunction with the fire barrier system then:
    a. Install the fire barrier first.
    b. Make sure the water protection is between the fire barrier and exposure to water.
10. Some materials may require match drilling of the frame to the construction substrate. Plan accordingly.
11. Clean up after installation.
    a. Dispose of trash.
    b. Clean the material with soap and water or as specifically recommended by product data.
12. *Inspect and admire your work. Chances are if you are proud of your work, we will be too.*

Thank you for working with Architectural Art.

Refer to additional specific instructions for your product application.

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JointCrete™ JT-1 Primer

DESCRIPTION:

JointCrete ™ JT-1, formed in the field, permits edge treatment of expansion joints for the placement of expansion joint covers either made of metal or elastomeric products. JointCrete TM JT-1, is pre-proportioned granular rubber base filler used with a 100% solids epoxy binder black in color to produce a mixture of uniform shore hardness that flexes under impact or loading.

PRIMING:

Prime all areas to receive JointCrete ™ JT-1 with JointCrete ™ JT-1 Primer just prior to placement of mixed system at the rate of 150 square feet per gallon.

MIXING:

Combine one part by volume of Component A with one part by volume of Component B, mix for 3 +/- minutes. Mixing may be done using slow speed drill, and mixing paddle. Scrape sides and bottom , mix until uniform.

APPLICATION:

Apply immediately after mixing. Apply at approximately 150 square feet per gallon. Surfaces to receive JointCrete ™ JT-1 should be clean, dry, and free of laitance, oil, and dirt. Pour the Pre-mixed JT-1 onto primed area, screed to desired elevation and hand tamp to complete the application.

TEMPERATURE:

JointCrete ™ JT-1 should not be installed in temperatures below 40° F.

CAUTION:

Component A - For Industrial Use Only! WARNING! Contains Epoxy Resins. May cause skin sensitization or other allergic responses. Avoid inhalation of vapor. Use good ventilation, particularly if material is heated or sprayed. Prevent contact with skin and eyes. If skin or eyes are contacted, wash immediately with soap and water. If eyes are contacted, flush immediately with soap and water and consult a physician.

Component B - Contains Alkaline Amines. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Wash clothing before reuse.

WEAR PROTECTIVE CLOTHING, GOGGLES AND/OR BARRIER CREAMS.
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JointCrete™ JT-1

DESCRIPTION:

JointCrete ™ JT-1, formed in the field, permits edge treatment of expansion joints for the placement of expansion joint covers either made of metal or elastomeric products. JointCrete ™ JT-1, is pre-proportioned granular rubber base filler used with a 100% solids epoxy binder black in color to produce a mixture of uniform shore hardness that flexes under impact or loading.

PACKAGING:

One unit will consist of 2 1/2 gallons of Component A, 2 1/2 gallons of Component B and 50 lbs. of JointCrete ™ JT-1 Elastomer Filler (Component C). This unit will yield 1.408 cubic feet. The weight of JointCrete ™ JT-1 is 70 lbs. per cubic foot.

PRIMING:

Prime all areas to receive JointCrete ™ JT-1 with JointCrete ™ JT-1 Primer just prior to placement of mixed system at the rate of 150 square feet per gallon.

MIXING:

Combine one part by volume of Component A with one part by volume of Component B, mix for 3 +/- minutes. Blend rubber at a rate of 50 lbs. per 5 gallons of mixed epoxy resin. Continue mixing for 3 - 5 minutes Mixing may be done using slow speed drill, or a mortar mixer (blade type) may be used for large applications.

APPLICATION:

Surfaces to receive JointCrete ™ JT-1 should be clean, dry, and free of laitance, oil, and dirt. Pour mixed JointCrete ™ JT-1 onto primed area, screed to desire elevation and hand tamp to complete the application. If the application is greater than 4" in depth, the JointCrete ™ JT-1 should be placed in layers not greater than 4" per layer

TEMPERATURE:

JointCrete ™ JT-1 should not be installed in temperatures below 40° F.

CAUTION:

WARNING! COMPONENT A - CONTAINS EPOXY RESINS. COMPONENT B - CONTAINS ALKALINE AMINES. May cause skin sensitization or other allergic responses. Avoid inhalation of vapor. Use good ventilation, particularly if material is heated or sprayed. Prevent contact with skin and eyes. If skin or eyes are contacted, wash immediately with soap and water. If eyes are contacted, flush immediately with soap and water and consult a physician.

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Architectural Art

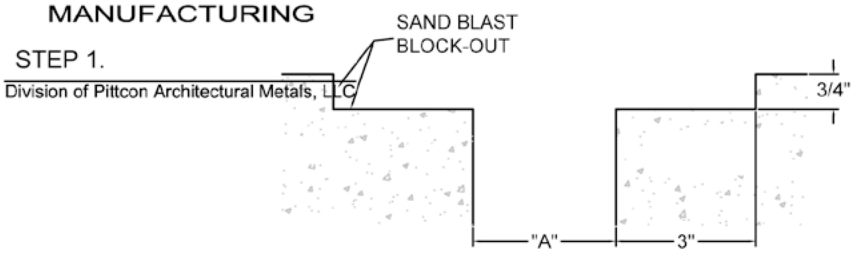
MANUFACTURING

Division of Pittcon Architectural Metals, LLC

W11 Series Wing Seal Installation Instructions

8-15-08

STEP 1.



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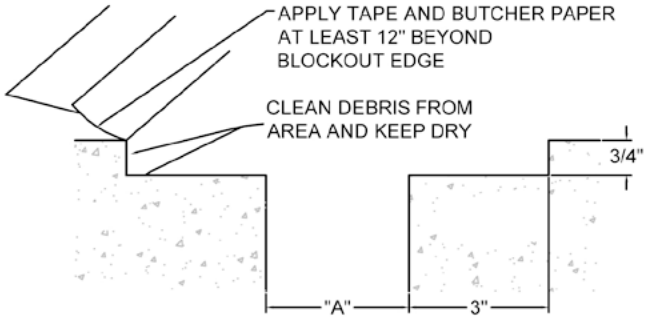

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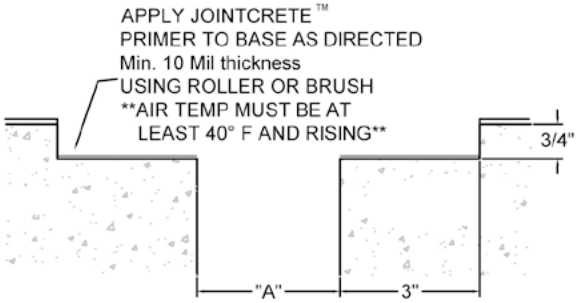

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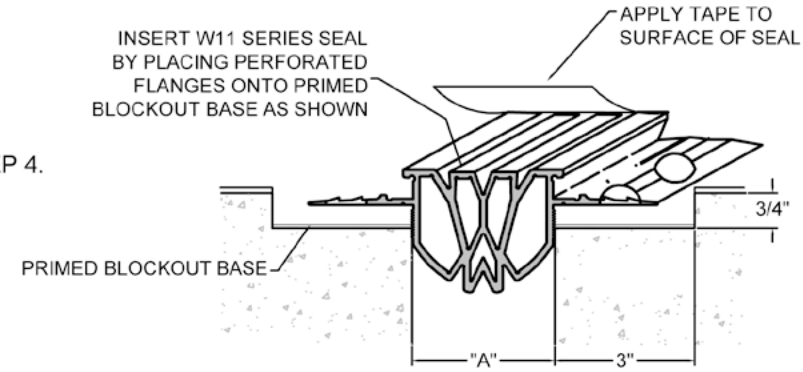

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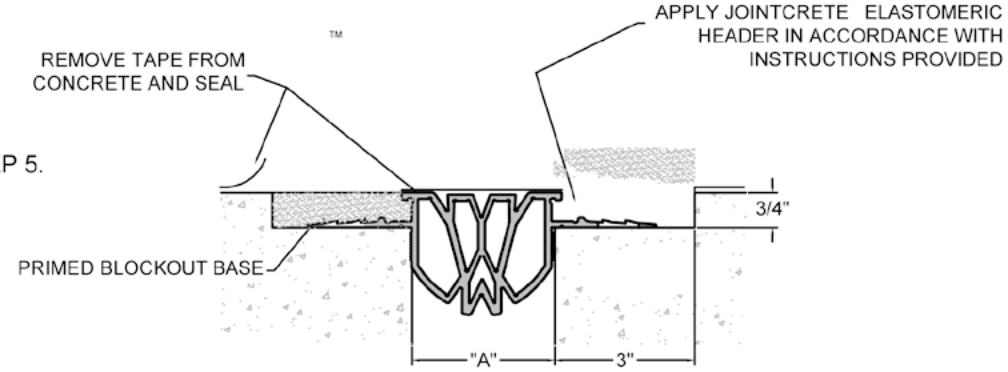
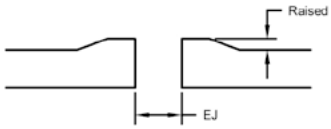
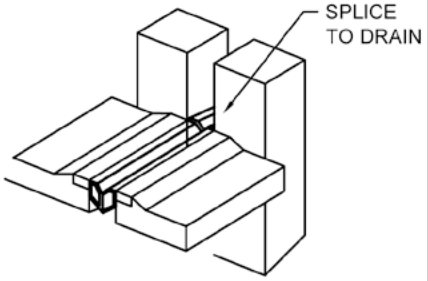


General Tips for Improved Waterproofing of Expansion Joints

1. Raise the area parallel to the expansion joint to reduce water ponding



2. Locate Splices at columns or other areas that can be easily drained



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MANUFACTURING

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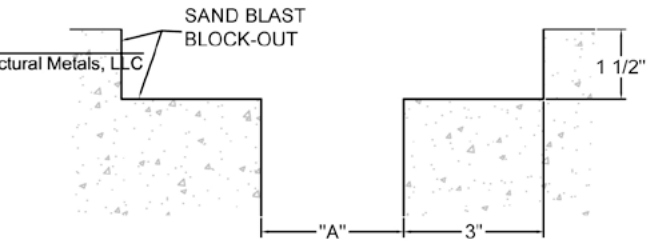
W11 Series Wing Seal Installation Instructions DEEP BLOCK-OUT

8-15-08

STEP 1.



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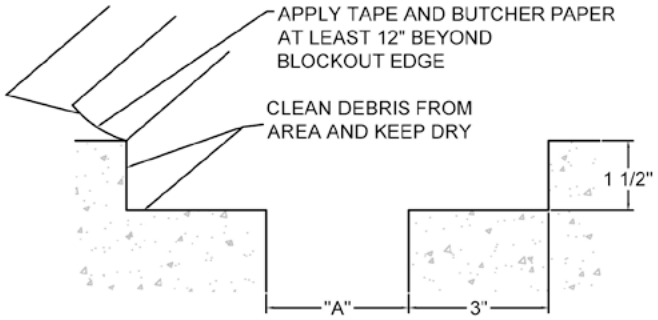

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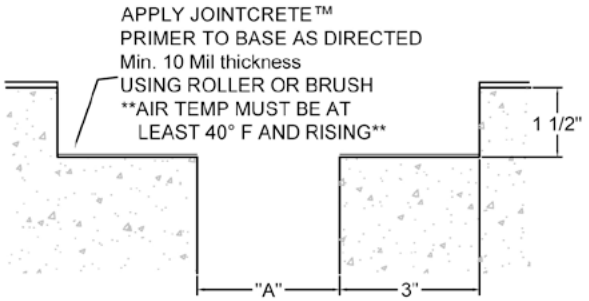

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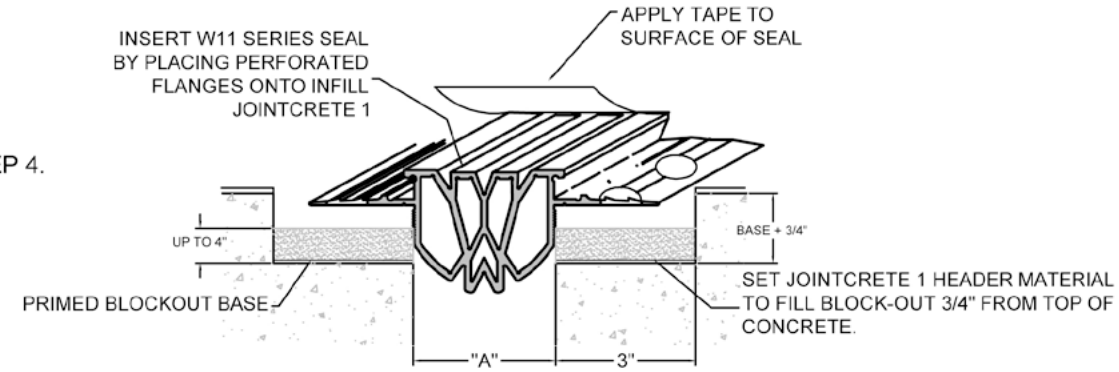

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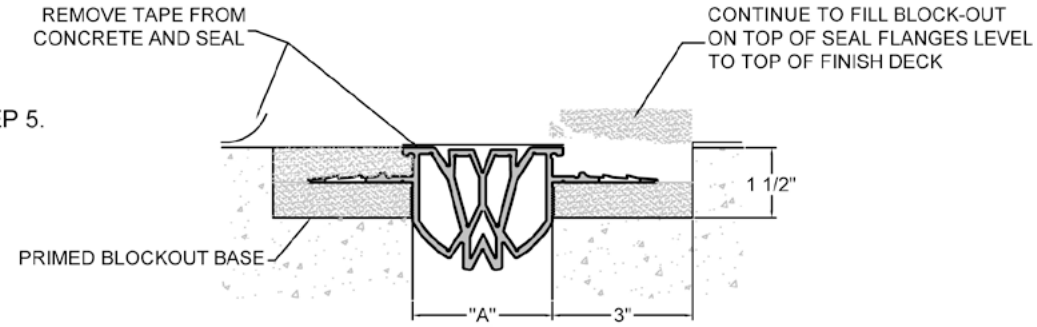

General Tips for Improved Waterproofing of Expansion Joints

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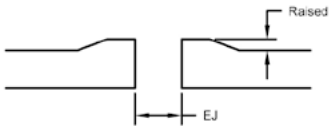
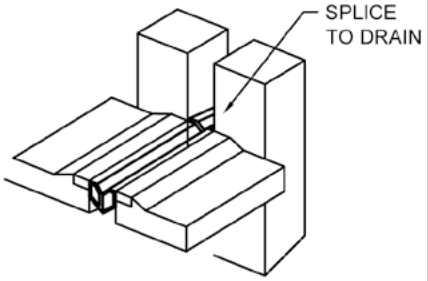


2. Locate Splices at columns or other areas that can be easily drained



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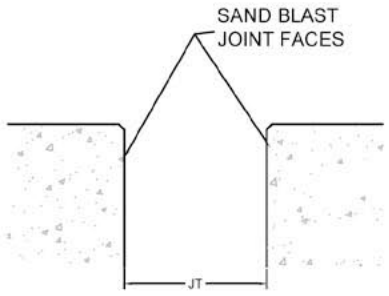
W15 Series Epoxy Bonded Seal Installation Instructions

9-5-08

STEP 1.



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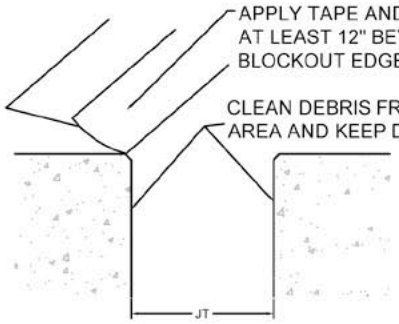

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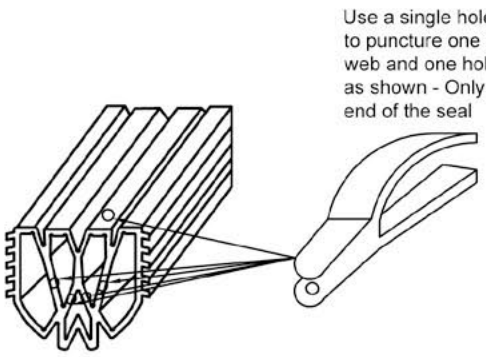

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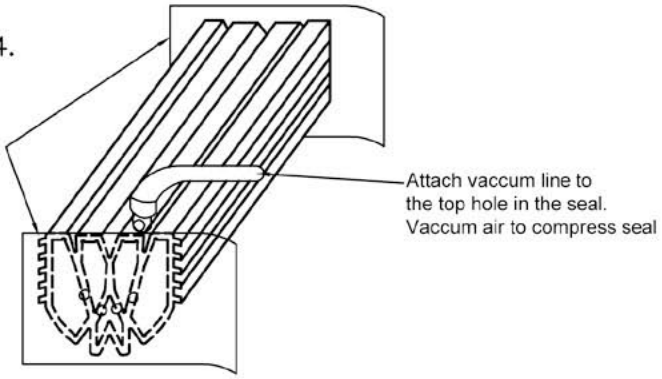
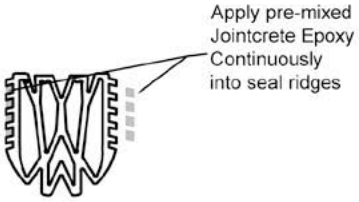
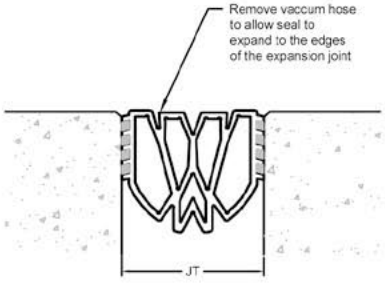


Use CCW-705 for vacuum closure and Butyl Gum Tape for butt splices

STEP 5.



STEP 6.



General Tips for Improved Waterproofing of Expansion Joints

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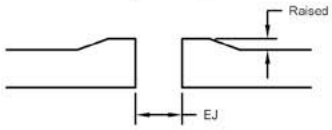
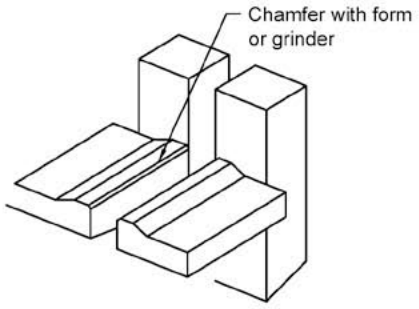
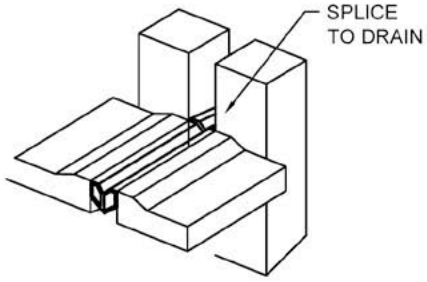


2. Chamfer edges to prevent chipping and spalling of concrete



3. Locate Splices at columns or other areas that can be easily drained



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JointCrete1™ Epoxy

DESCRIPTION:
JointCrete Epoxy is a two component, 100% solids, mixed at a 1:1 ratio adhesive that is formulated to give a permanent bond to ceramic, metal, concrete and elastomeric surfaces. **JointCrete Epoxy** is thixotropic, non-sag, and is easily applied by trowel.

MIXING:
Combine one part by volume of Component "A" with one part by volume of Component "B". Mix for not less than (3) three minutes using a slow speed drill (300 to 600 rpm) and **Mixing Paddle**

APPLICATION:
Surface must be clean. Remove grease, rust, or other foreign materials by best means available. For best results surfaces should be dry during application.

ADVANTAGES:
- Excellent bond to most substrates.
- Permanent flexibility, molecularly fixed, will not migrate.
- 100% solids, non-combustible.
- Thixotropic - Light Gel - Dependable gap filling adhesive for permanent adhesion of structural components.
- Convenient one to one by volume mix ratio.
- Excellent chemical resistance.
- Excellent recovery from deformation by compression or elongation.
- Stays flexible at temperatures as low as – 20° F (-29° C).
- Retains properties at temperatures as high as 300° F (149° C) in intermittent exposure.
- Used by "Certified Applicators" to stop leaks between ceramic insulators and transformer housing. Training video of leak repair is available upon request.

CAUTION:
FIRST AID: In case of skin contact, immediately wash with soap and water. In case of eye contact, flush with copious amounts of water for at least (15) fifteen minutes. Remove contaminated clothing. If irritation persists, seem medical attention. Wash clothing before reuse.

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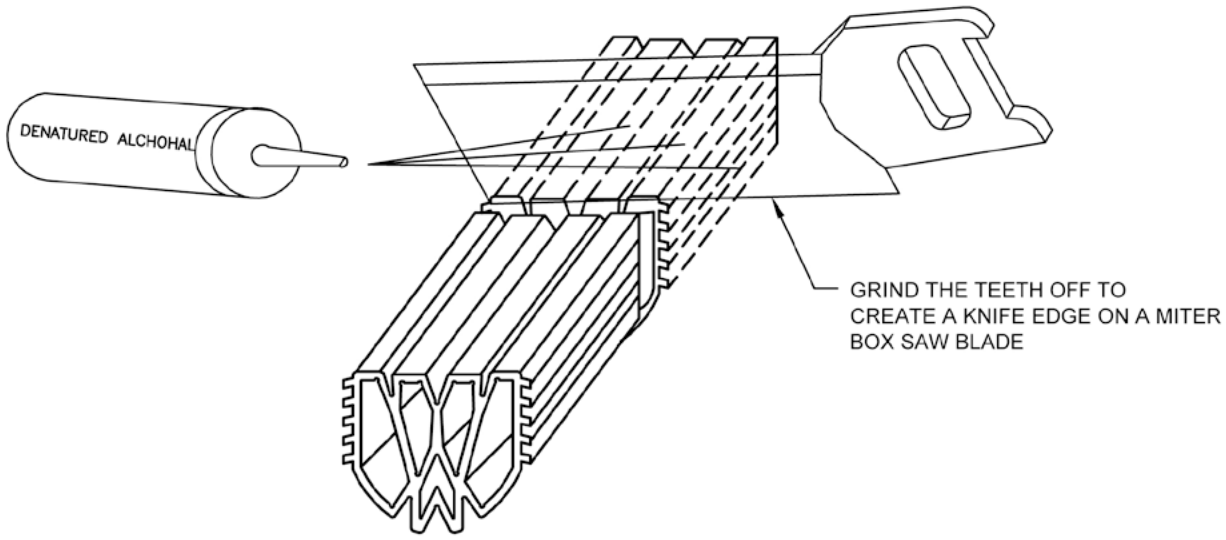
W 15 SERIES CUTTING INSTRUCTIONS



W15 SERIES CUTTING INSTRUCTIONS

CUSTOMER:		
PROJECT:		
LOCATION:		
ARCHITECT:		
CONTRACTOR:		
NOTE:		
JOB NO.:	*DATE:* 10/15/07	*SCALE: (NTS)*

LENGTH:	*QTY:*	*COLOR/FINISH:*

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