

The logo for Firestone Building Products is centered on a light beige background with a subtle, wavy texture. The word "Firestone" is written in a large, bold, red, sans-serif font. Below it, the words "BUILDING PRODUCTS" are written in a smaller, bold, black, sans-serif font, underlined with two horizontal lines. The entire logo is framed by a thick red border that curves around the top and bottom edges.

Firestone

BUILDING PRODUCTS

TPO

Drains, Scuppers & Roof Edge

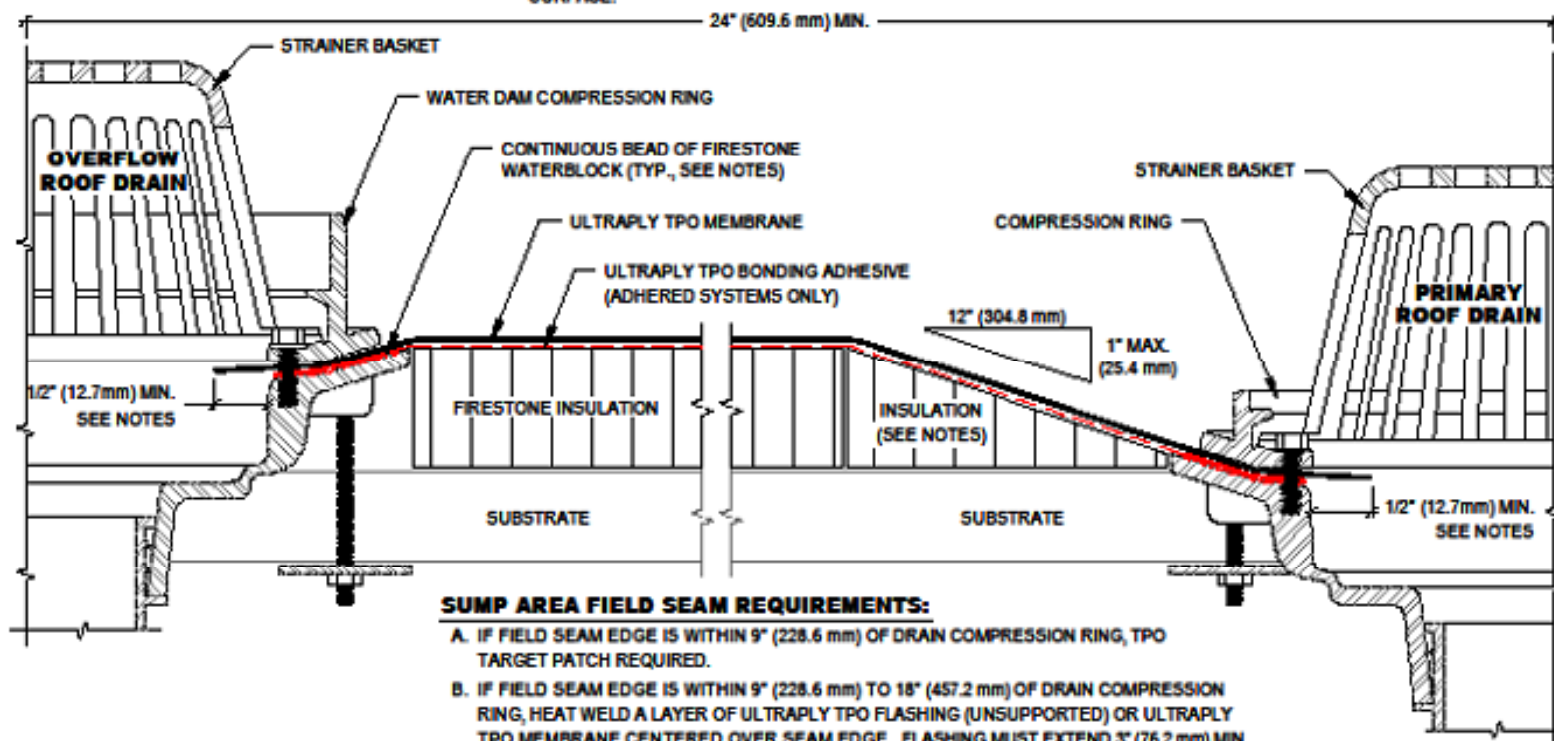
Firestone
BUILDING PRODUCTS



Roof Drain and Overflow

NOTES:

1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. HOLE IN MEMBRANE SHOULD EXTEND A MINIMUM OF 1/2" (12.7 mm) BEYOND CLAMPING RING AND SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE.
3. INSULATION ADJACENT TO DRAIN TO BE APPROPRIATE FIRESTONE INSULATION WITH APPROPRIATE BONDING SURFACE.
4. FIRESTONE WATERBLOCK MIN. OF 1/2 OF 10 OZ (295 ml) TUBE PER 4" DRAIN. USE ADDITIONAL WATERBLOCK FOR LARGER DRAINS.
5. IN REROOF APPLICATIONS:
 - REMOVE EXISTING FLASHINGS DOWN TO METAL BOWL
 - REPAIR OR REPLACE BROKEN DRAIN COMPONENTS
 - DRILL AND TAP BROKEN DRAIN BOLTS AND REPLACE IF NECESSARY.



SUMP AREA FIELD SEAM REQUIREMENTS:

- A. IF FIELD SEAM EDGE IS WITHIN 9" (228.6 mm) OF DRAIN COMPRESSION RING, TPO TARGET PATCH REQUIRED.
- B. IF FIELD SEAM EDGE IS WITHIN 9" (228.6 mm) TO 18" (457.2 mm) OF DRAIN COMPRESSION RING, HEAT WELD A LAYER OF ULTRAPLY TPO FLASHING (UNSUPPORTED) OR ULTRAPLY TPO MEMBRANE CENTERED OVER SEAM EDGE. FLASHING MUST EXTEND 3" (76.2 mm) MIN. BEYOND EDGE OF SUMP.

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ROOF DRAIN WITH OVERFLOW ROOF DRAIN

ULTRAPLY™ TPO

ACCEPTABLE SYSTEMS: ALL

MAXIMUM WARRANTY: **20 YEARS**

ISSUE / REVISION
DATE:
1/1/2006

NOT TO SCALE

DETAIL NO.

UT-D-4



Properly Sloped Drain and Overflow



What's Wrong?



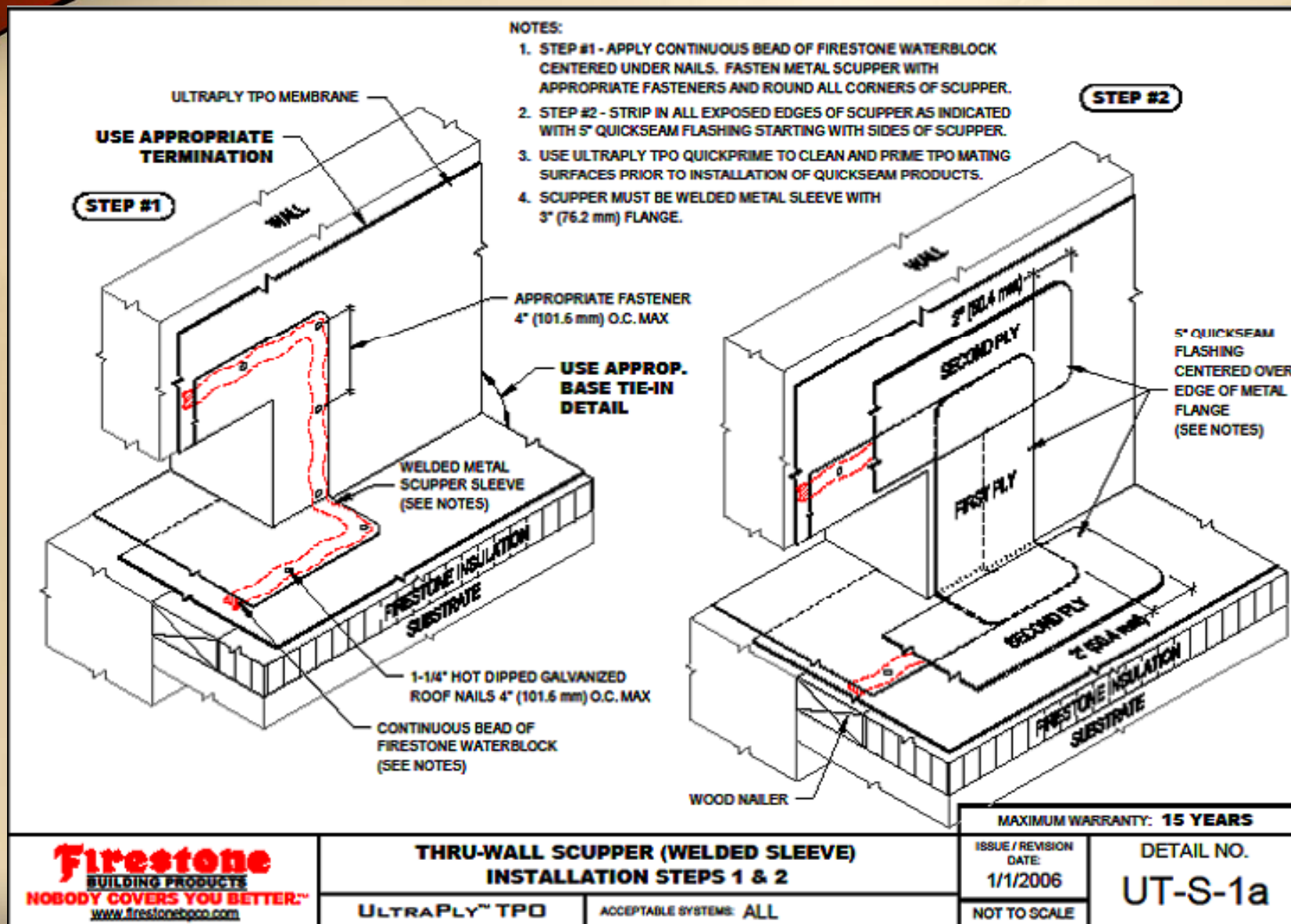


Roof Drain Tips

- All drain bolts must be in place and tight.
- Firestone Waterblock must be present between the base of the drain and the membrane. Rule of Thumb: 1 tube per drain.
- Slope should not exceed 1":12" for standard UltraPly TPO.
- Field seams within 9" require a target patch.
- Field seams within 9"-18" must be stripped in with Firestone 5" QuickSeam Flashing.
- Hole in membrane should extend a minimum of ½" beyond the clamping ring and should **NOT** be smaller than the diameter of the drain pipe.

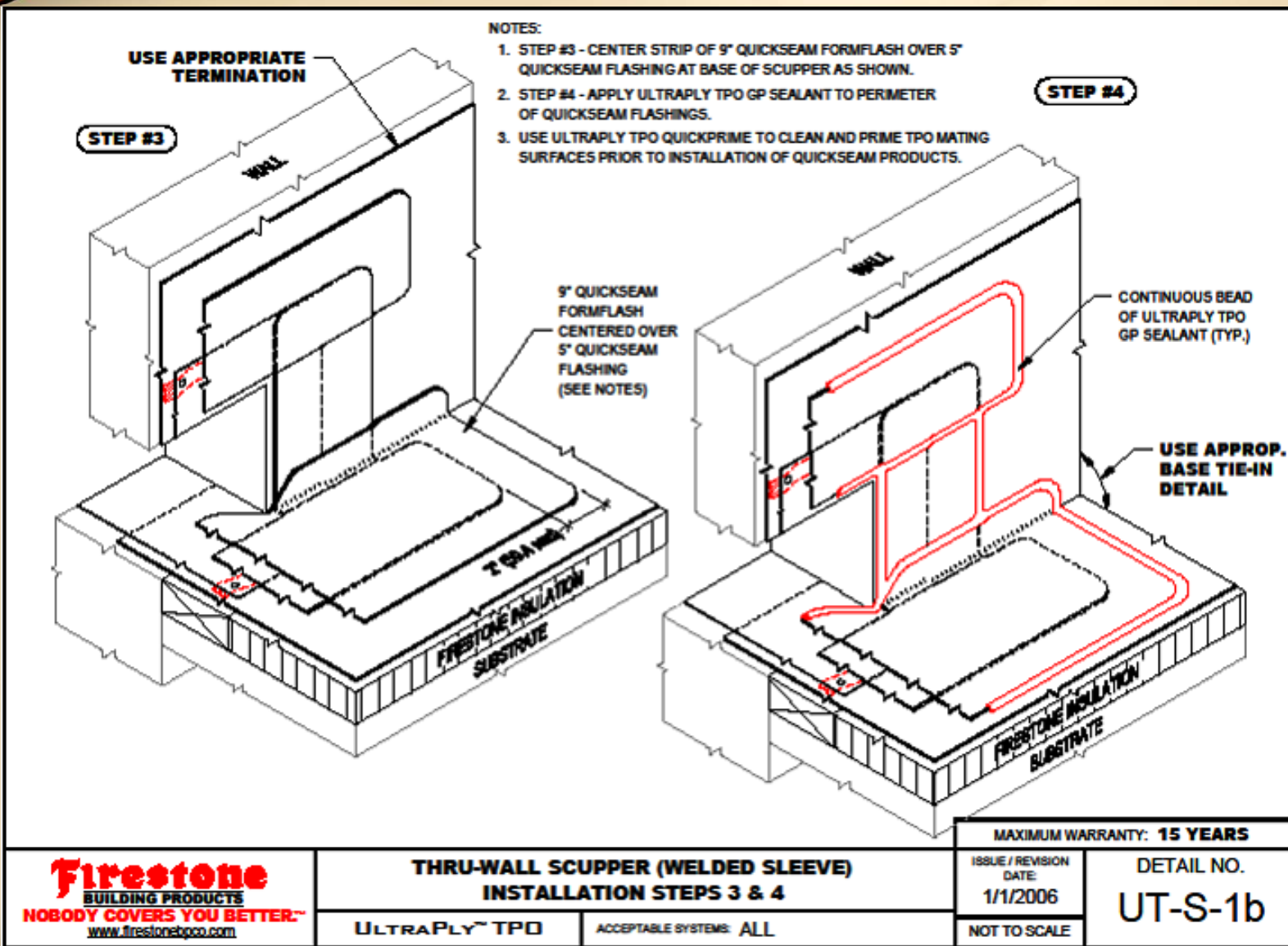


Scupper Steps 1 & 2



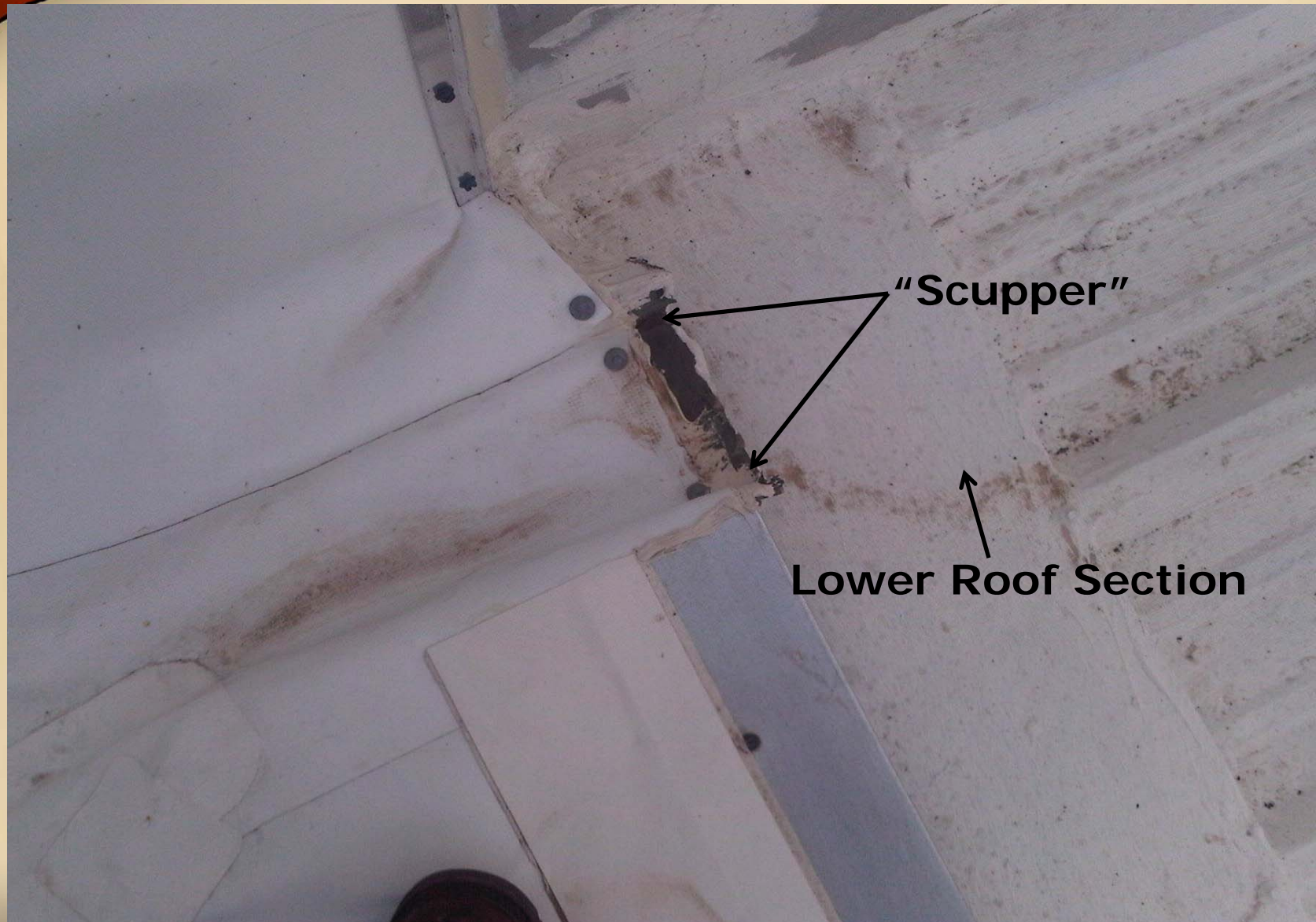


Scupper Steps 3 & 4





How many things are wrong?



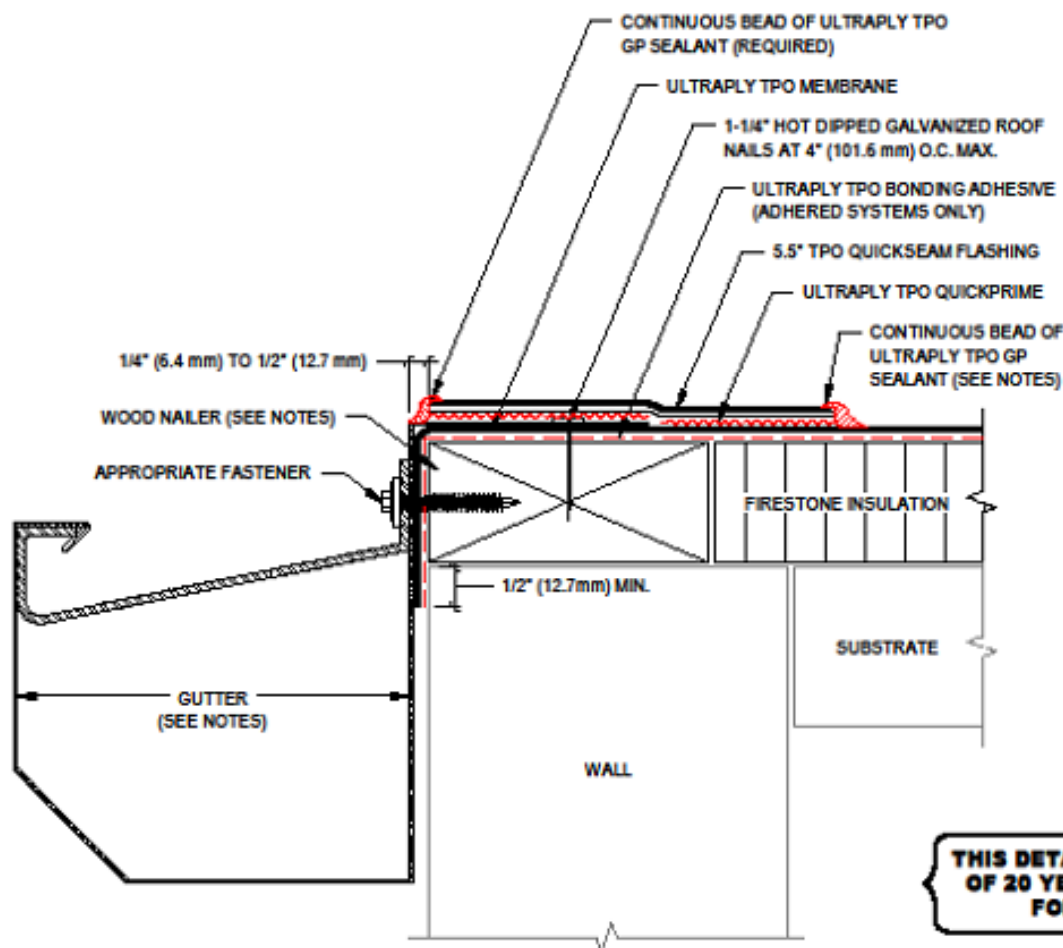


Scupper Tips

- Use Single-Ply QuickPrime Primer to clean and prime all surfaces where UltraPly QuickSeam products will be applied.
- Apply a continuous bead of Firestone Waterblock behind the metal flanges where the scupper will be nailed.
- Pay extra attention to the sequence of applying the ply's of UltraPly TPO QuickSeam.
- A continuous bead of UltraPly TPO GP Sealant is required on all edges.



Roof Edge with a Gutter



NOTES:

1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. GP SEALANT IS REQUIRED ALONG ENTIRE UPSLOPE EDGE OF QUICKSEAM FLASHING WHEN ROOF SLOPE IS 1" (25.4 mm) PER FOOT OR GREATER.
3. ROUND ALL METAL CORNERS AND PLACE BACK OF GUTTER STRAP 1/4" (6.4 mm) BELOW TOP OF WOOD NAILER.
4. DO NOT PRE-NAIL MEMBRANE TO THE FACE OF THE WOOD NAILER.
5. ANCHOR GUTTER IN ACCORDANCE WITH SMACNA RECOMMENDATIONS.
6. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
7. FLANGE OF METAL GUTTER MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" (12.7 mm) FROM EDGE OF WOOD.
8. CONTACT FIRESTONE ROOFING SOLUTIONS FOR BALLASTED ROOF SYSTEMS.
9. IF THE FLANGE OF THE METAL GUTTER IS NOT COMPLETELY COVERED WITH QUICKSEAM FLASHING, THEN AN ADDITIONAL PIECE OF QUICKSEAM FLASHING SHALL BE INSTALLED AT ALL METAL SPLICES. REFER TO UT-RE-27.

THIS DETAIL IS APPROVED FOR A MAXIMUM OF 20 YEARS. REFER TO DETAIL UT-RE-16 FOR 25 YEAR REQUIREMENTS.

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ROOF EDGE GUTTER WITH FLANGE

ULTRAPLY[™] TPO

ACCEPTABLE SYSTEMS: ADHERED, MAS

MAXIMUM WARRANTY: **20 YEARS**

ISSUE / REVISION
DATE:

5/1/2010

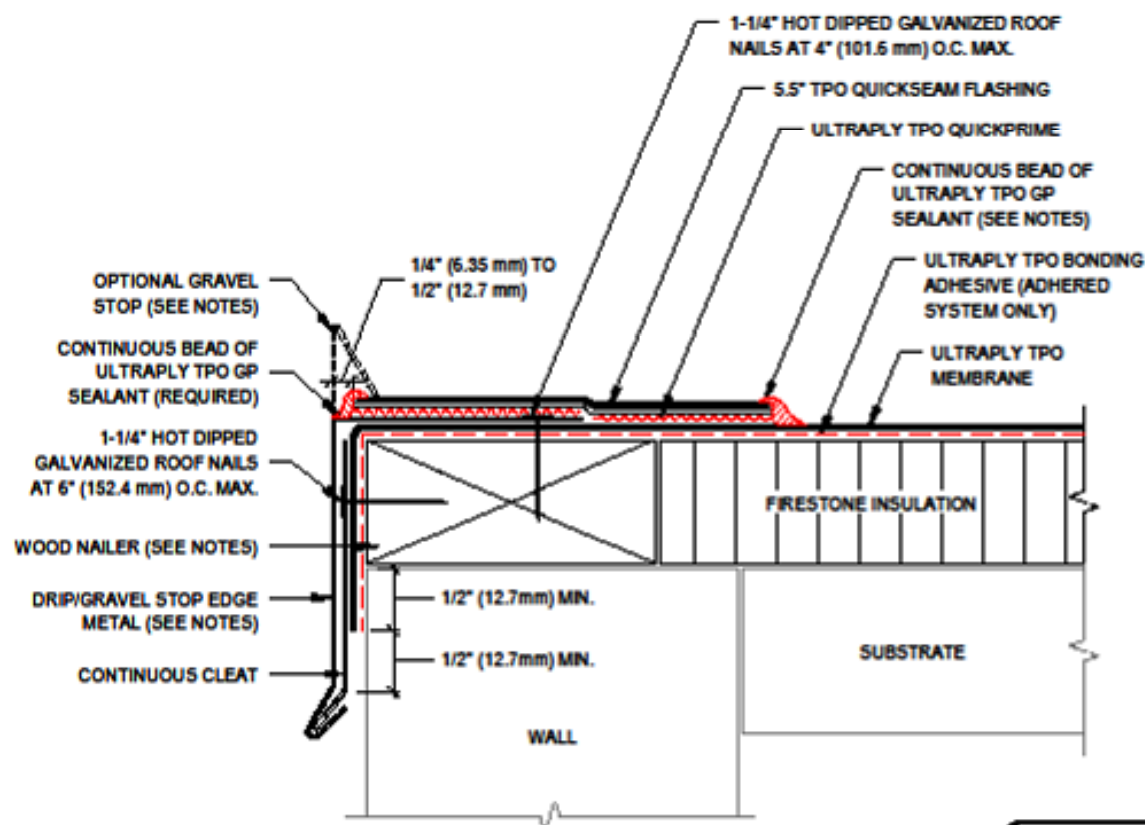
NOT TO SCALE

DETAIL NO.

UT-RE-15



Roof Edge with Fascia



NOTES:

1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. INSTALL METAL WORK TO MANUFACTURER'S REQUIREMENTS OR SMACNA RECOMMENDATIONS. IF SHOP FABRICATED METAL EDGE IS USED IT MUST MEET ANSI/APRI E5-1 OR AN FM STANDARD.
3. GP SEALANT IS REQUIRED ALONG ENTIRE UPSLOPE EDGE OF QUICKSEAM FLASHING WHEN ROOF SLOPE IS 1" (25.4 mm) PER FOOT OR GREATER.
4. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
5. FLANGE OF METAL MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" (12.7 mm) FROM EDGE OF WOOD.
6. ON BALLASTED ROOFS, GRAVEL STOP HEIGHT MUST MEET OR EXCEED BALLAST OR PAVER HEIGHT (2" (50.8 mm) MIN. ABOVE ROOF SURFACE).
7. IF THE FLANGE OF THE METAL EDGE IS NOT COMPLETELY COVERED WITH QUICKSEAM FLASHING, THEN AN ADDITIONAL PIECE OF QUICKSEAM FLASHING SHALL BE INSTALLED AT ALL METAL SPLICES. REFER TO UT-RE-27.

THIS DETAIL IS APPROVED FOR A MAXIMUM OF 20 YEARS. REFER TO DETAIL UT-RE-21 FOR 25 YEAR REQUIREMENTS.

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ROOF EDGE WITH FASCIA METAL BY OTHERS

ULTRAPLY[™] TPO

ACCEPTABLE SYSTEMS: ALL

MAXIMUM WARRANTY: **20 YEARS**

ISSUE / REVISION
DATE:

5/1/2010

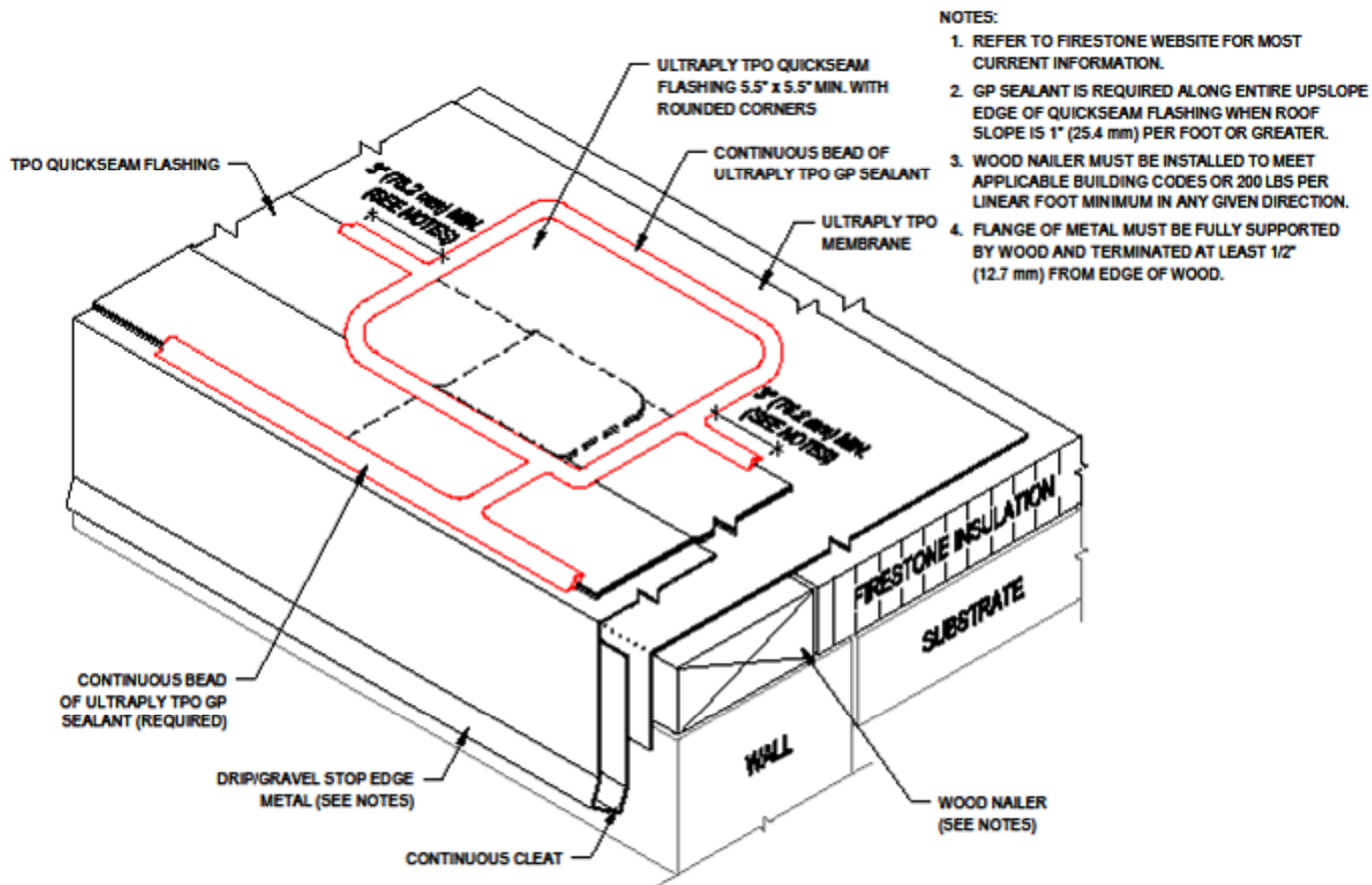
DETAIL NO.

UT-RE-20

NOT TO SCALE



QuickSeam End Lap Splice



NOTES:

1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. GP SEALANT IS REQUIRED ALONG ENTIRE UPSLOPE EDGE OF QUICKSEAM FLASHING WHEN ROOF SLOPE IS 1" (25.4 mm) PER FOOT OR GREATER.
3. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
4. FLANGE OF METAL MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" (12.7 mm) FROM EDGE OF WOOD.

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ROOF EDGE WITH TPO QUICKSEAM FLASHING END SPLICE OVERLAP

ULTRAPLY™ TPO

ACCEPTABLE SYSTEMS: ALL

MAXIMUM WARRANTY: **20 YEARS**

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NOT TO SCALE

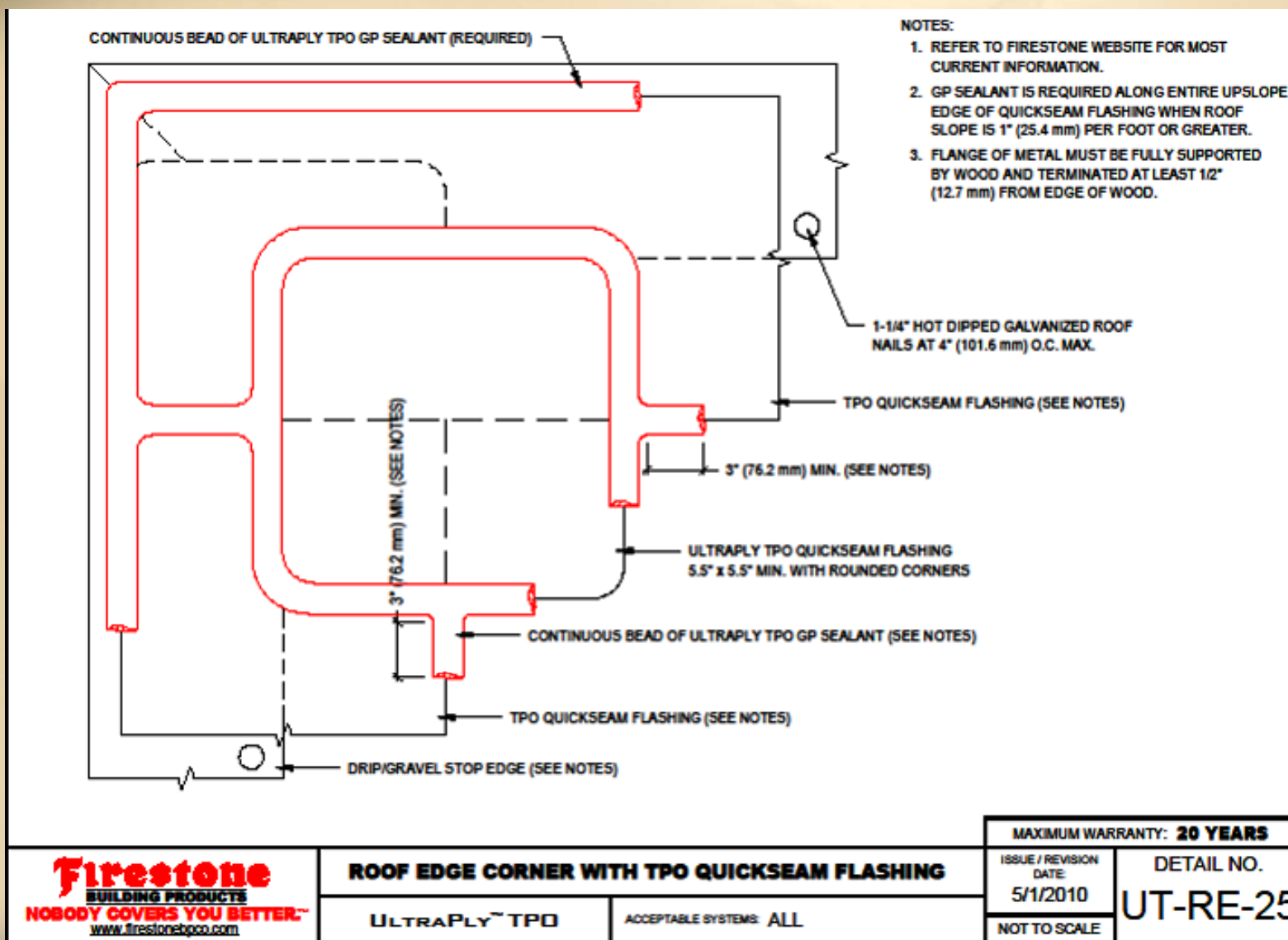
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UT-RE-24



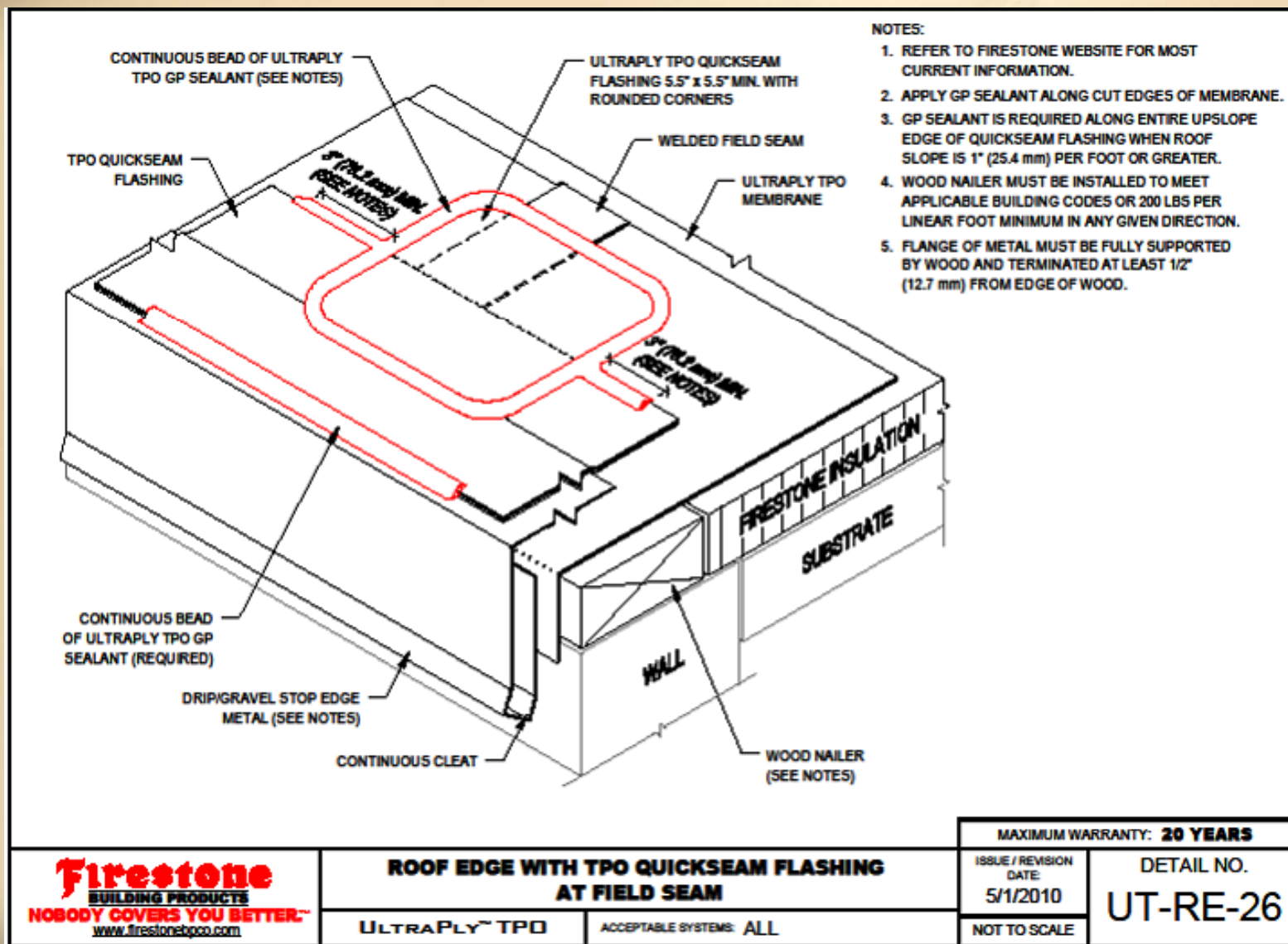


Edge Corner with QuickSeam





Roof Edge and Field Seam using QuickSeam



NOTES:

1. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. APPLY GP SEALANT ALONG CUT EDGES OF MEMBRANE.
3. GP SEALANT IS REQUIRED ALONG ENTIRE UPSLOPE EDGE OF QUICKSEAM FLASHING WHEN ROOF SLOPE IS 1" (25.4 mm) PER FOOT OR GREATER.
4. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
5. FLANGE OF METAL MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" (12.7 mm) FROM EDGE OF WOOD.

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ROOF EDGE WITH TPO QUICKSEAM FLASHING AT FIELD SEAM

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MAXIMUM WARRANTY: **20 YEARS**

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NOT TO SCALE

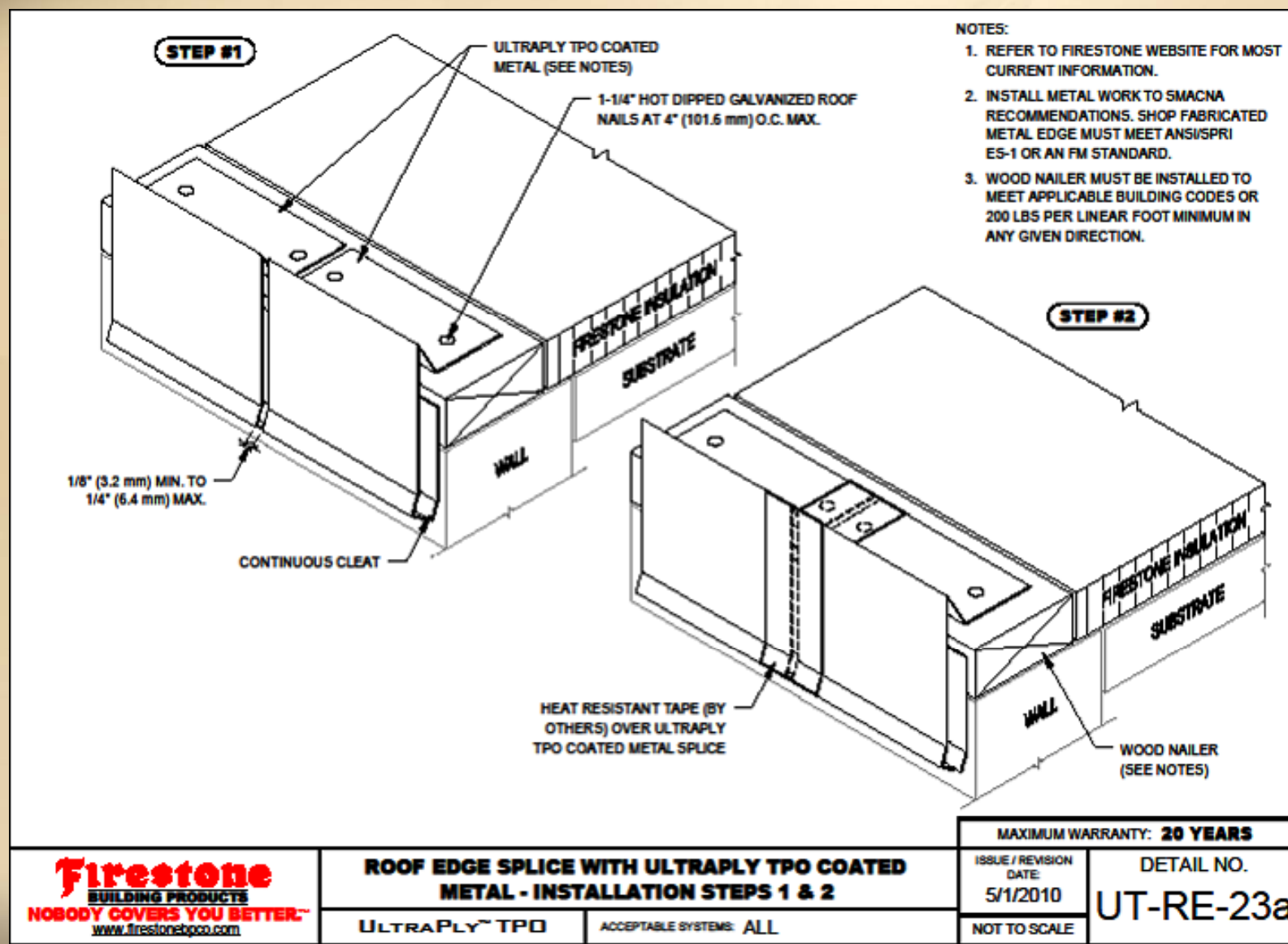
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UT-RE-26



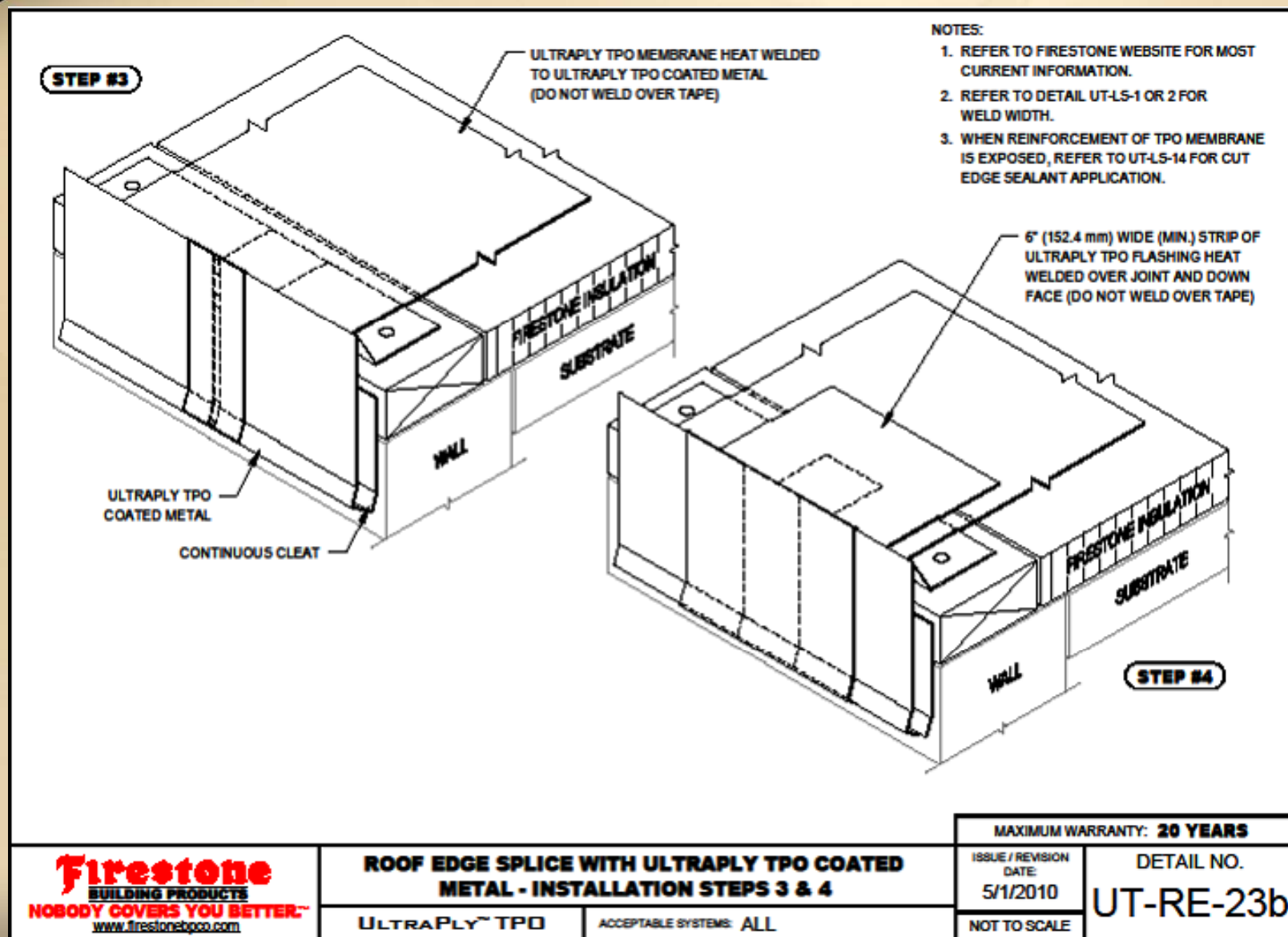


UltraPly TPO Coated Metal, Steps 1 & 2



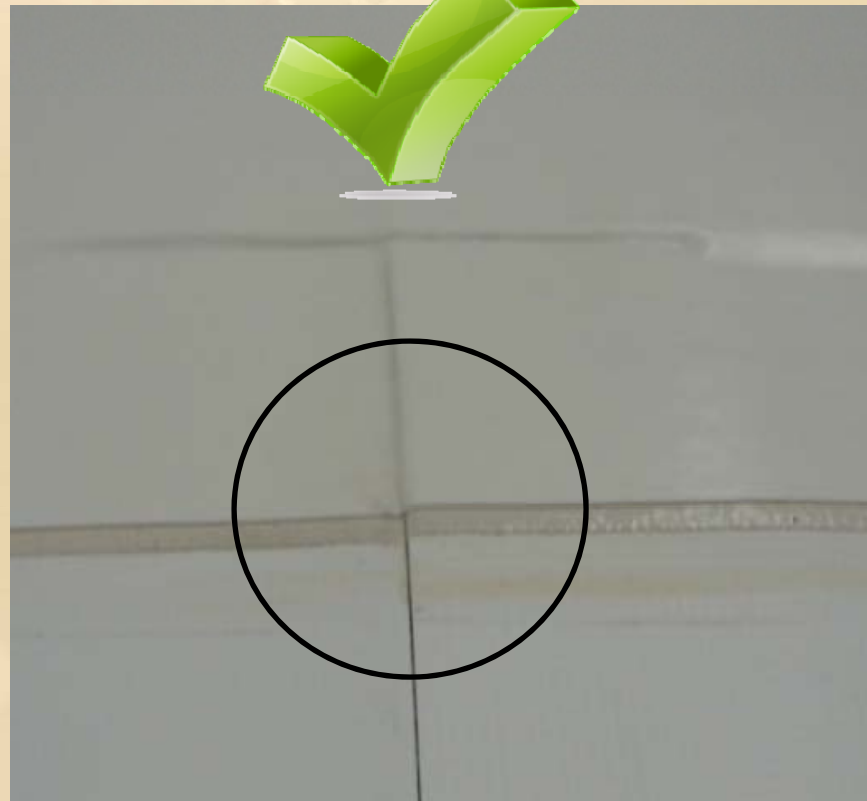
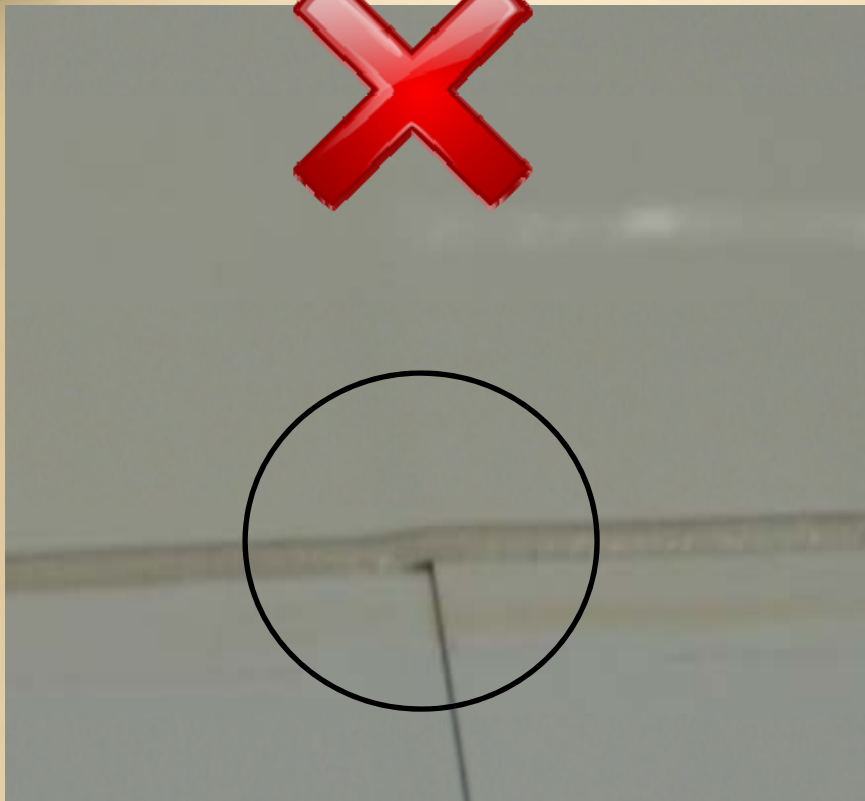


UltraPly TPO Coated Metal, Steps 3 & 4





QuickSeam Tips Heat vs No Heat





What's Wrong?

