



CROWN BOARD AND BATTEN PREMIUM PVC PRODUCTS

Product Description

Crown Composite's advanced 100% cellular PVC board & batten is a groundbreaking product in the siding industry. Our innovative cellular PVC polymers enhance the product's density, improving its stability, durability, and natural resistance to weather. Thanks to our unique manufacturing process, our board and batten materials are easier to install using regular woodworking tools, safe for the installer, and free of toxic carcinogenic silica sand, a common ingredient in other siding materials.

Our PVC board & batten distinguishes itself from wood and other siding options by eliminating the need to seal exposed edges. This thoughtful design significantly reduces the risk of moisture retention and mold growth, ensuring a durable and low-maintenance solution for your home.





CROWN BOARD AND BATTEN

INSTALLATION GUIDE

Preparation

- Install over solid sheathing (plywood or OSB) at least ½" thick or equivalent.
- Install over a properly installed weather-resistant barrier (e.g., house wrap).
- Flash all wall openings and penetrations per local building code, and windows and doors per manufacturer recommendations.

Storage

- Store Crown PVC board & batten on a flat, dry surface prior to installation.
- Storage temperature can't exceed 120 degrees Fahrenheit. Protect items from rain and water during storage.
- Winter storage temperature should be around 32 degrees Fahrenheit for proper installation
- Protect paint touch-up from freezing or overheating

Cutting

- Crown PVC products are made of 100% cellular PVC; no special tools are required for cutting or installation. Standard woodworking tools are sufficient for all installations.

General specs

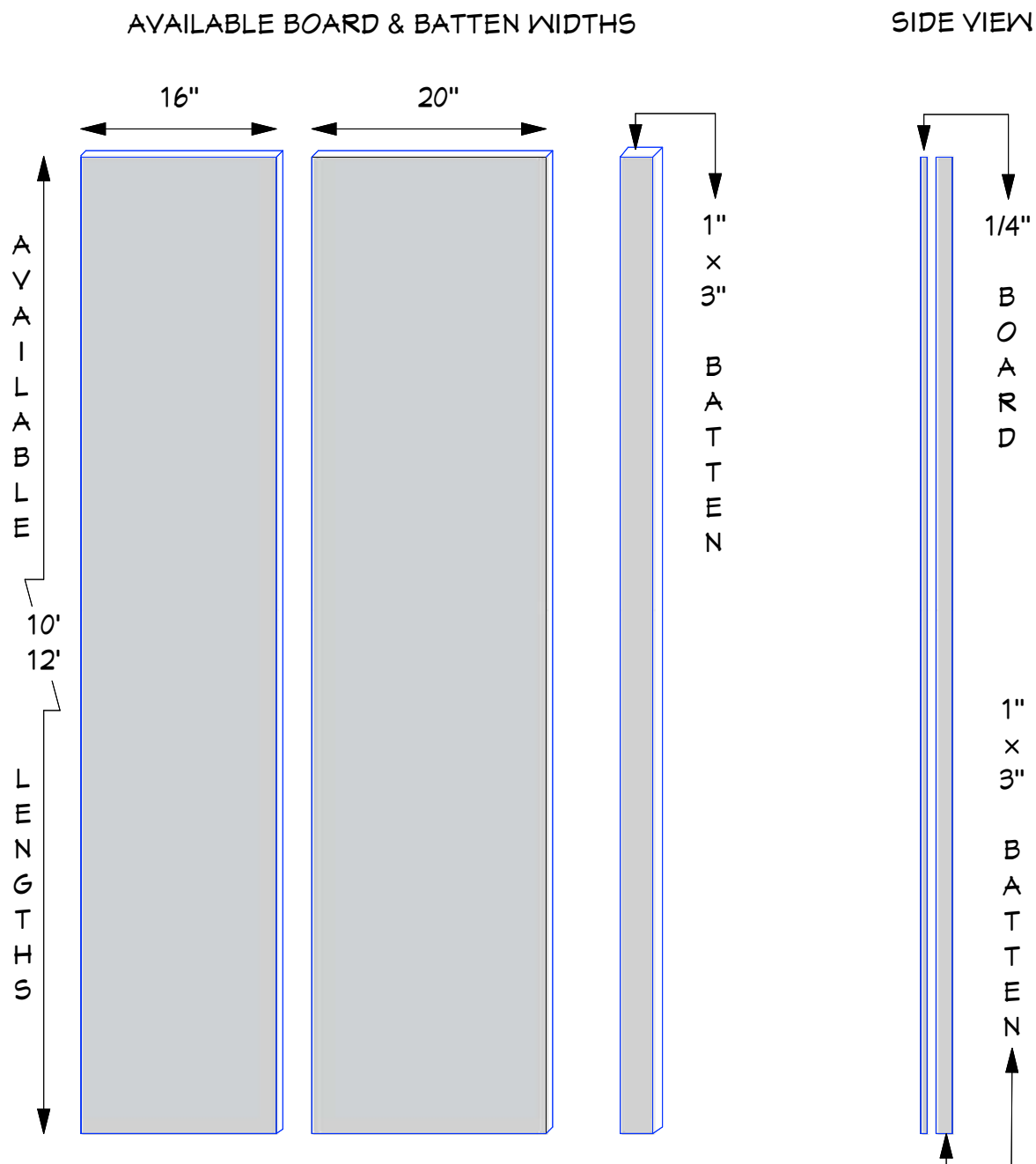
- Avoid dragging the material, as it may get scratched.
- Allow the materials to acclimate to the project/site temperature. Provide a 3/16" expansion gap at the ends of the boards when installing in temperatures lower than 32 degrees Fahrenheit.
- When board & batten protective film is removed, make sure to place the protective film back between the boards before restacking them.
- Do not use a weather-resistant barrier that requires cap nails, or remove caps before installing Crown board & batten. Cap nails will prevent the product from lying flat.
- Crown PVC board & batten is not a watertight barrier. Apply all flashing work required by code
- Flatten and clean any obstructions on the wall areas as much as possible.



CROWN BOARD AND BATTEN

Available lengths and widths

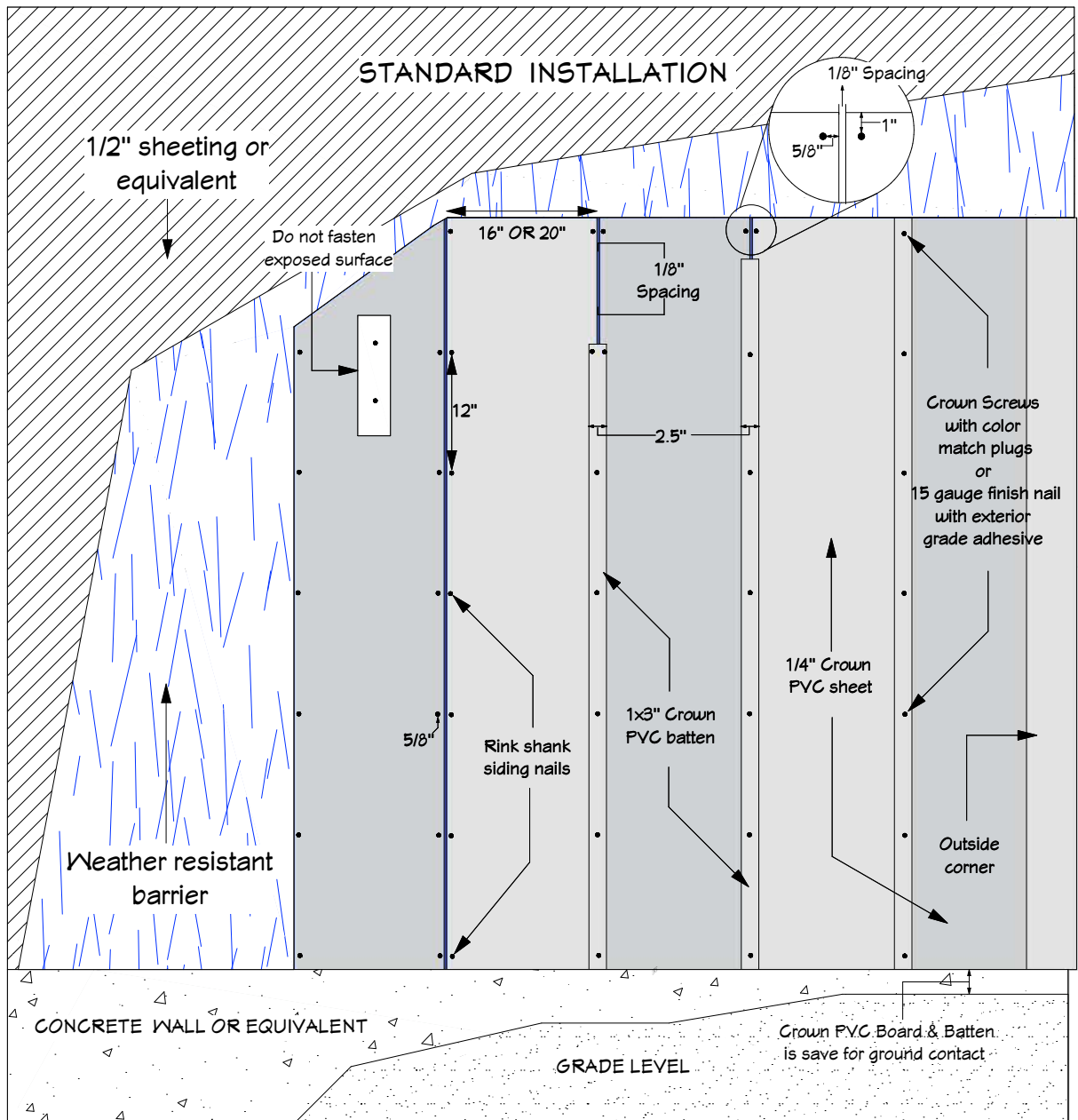
- Crown PVC boards come in widths 1/4"x 16" and 1/4"x 20" nominal and actual size
- Crown PVC boards come in lengths of 10' and 12' feet, nominal and actual size
- Crown PVC Battens come in widths 1"x3" nominal size - 3/4"x2.5" actual size





CROWN BOARD AND BATTEN WITH OUTSIDE CORNER

1. Install PVC boards and batten plumb and level, overhang 1" of sheathing
2. Use weather-resistant fasteners. Fasten the board using 5D ring-shank siding nails $\frac{5}{8}$ " along the lateral outer edge and 1-1/2" from the bottom
3. DO NOT use screws on $\frac{1}{4}$ " boards; Do not use fastener on the boards exposed surfaces
4. Keep a minimum of $\frac{1}{8}$ " gap between boards and $\frac{1}{4}$ " at corner for thermal expansion
5. Install 1x3" battens to cover board seams (Crown screws and color-match plugs recommended)
6. Battens optional installation: Install 1x3" battens using ring shank siding nails, ensuring the nails are flush with the batten surface. (Use color-matched nail filler and the paint touch-up kit to paint the siding nail heads or filled finish nail holes)





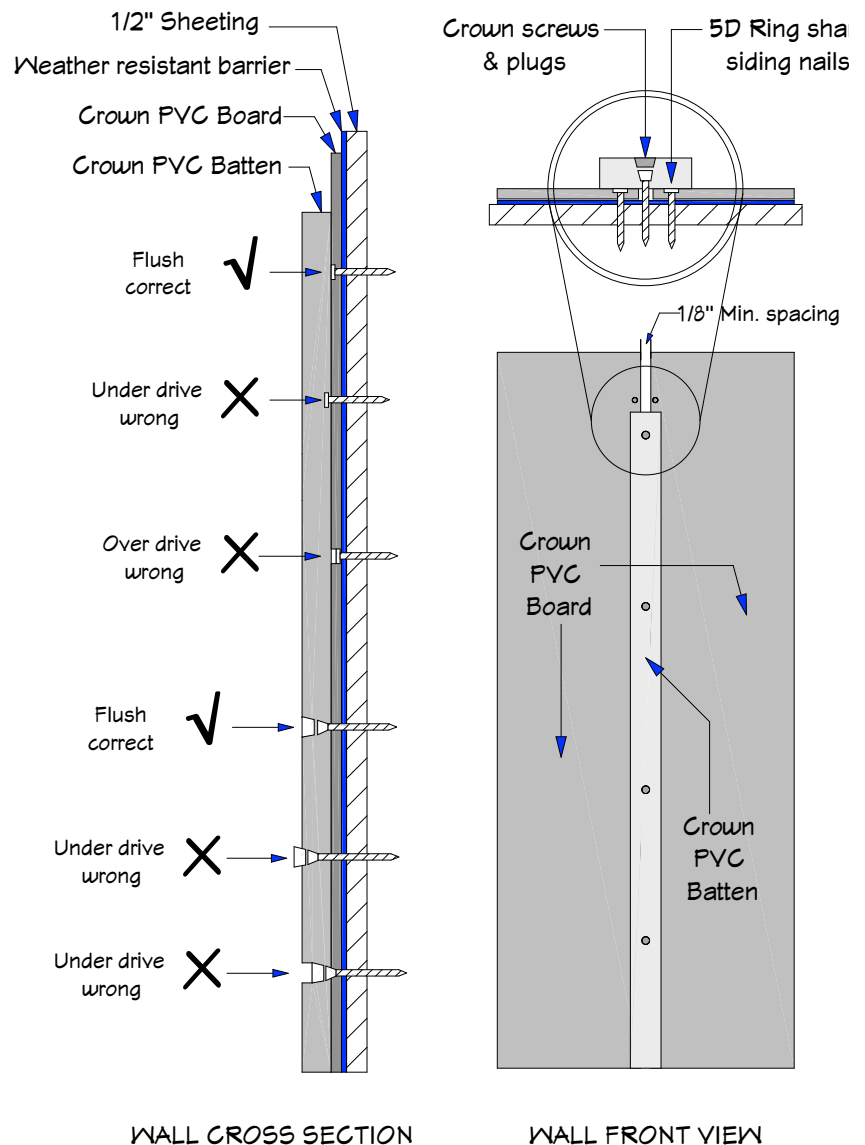
CROWN BOARD AND BATTEN FASTENING SPECS

Board & Batten fastener requirements

Notes

1. For boards 16" and 20" in width, by 10' feet, 14 fasteners per board side are required @ 12" O/C. Along the lateral outer edge
2. For boards 16" and 20" in width, by 12' feet, 18 fasteners per board side are required @ 12" O/C. Along the lateral outer edge
3. Place fastener 5/8" from the lateral outer edge of the board
4. Fasteners must penetrate 1/2" into solid substrate 1/2" OSB, CDX plywood or equivalent
5. The recommended length for fasteners on 1/4" boards is between 1-1/4 inches and 1-1/2 inches. Ring shank 5D stainless siding nails are recommended
6. CAUTION: Longer fasteners may damage utilities inside the wall
7. To secure the 1x3" batten, use exterior-grade ring shank (5D stainless) siding nails - finish nails with exterior-grade adhesive or the Crown screws and plugs system, 16" O/C
8. Do not overdrive — overdriving could cause premature fatigue of the PVC materials, resulting in lost grip.
9. Do not underdrive—Board and batten may become loose over time.
10. 1/8" Space between boards and 1/4" at corners is necessary for lateral thermal expansion
11. Do not fasten two boards together; each board should move independently.

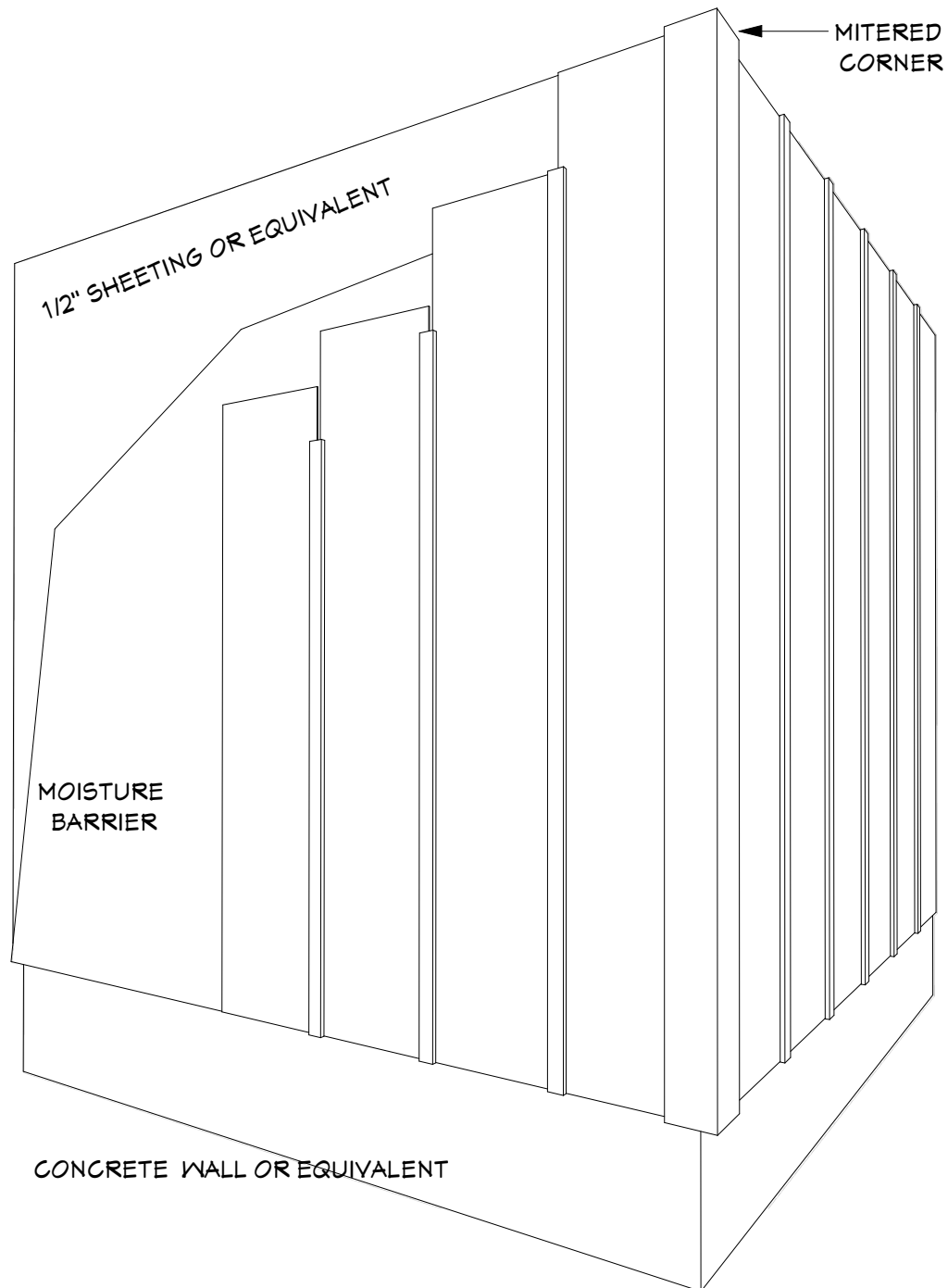
Fastener depth guide





CROWN PVC BOARD AND BATTEN WITH OUTSIDE CORNER

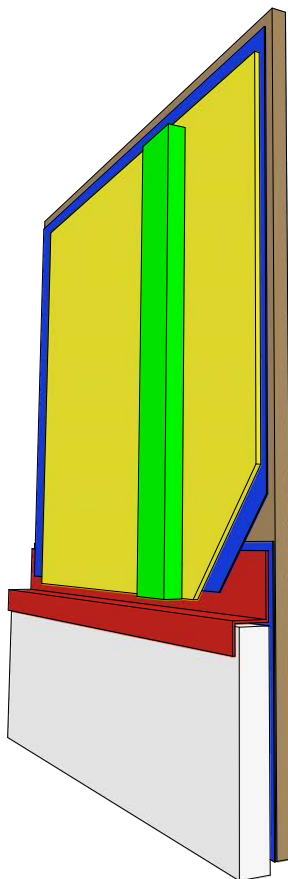
3D VIEW



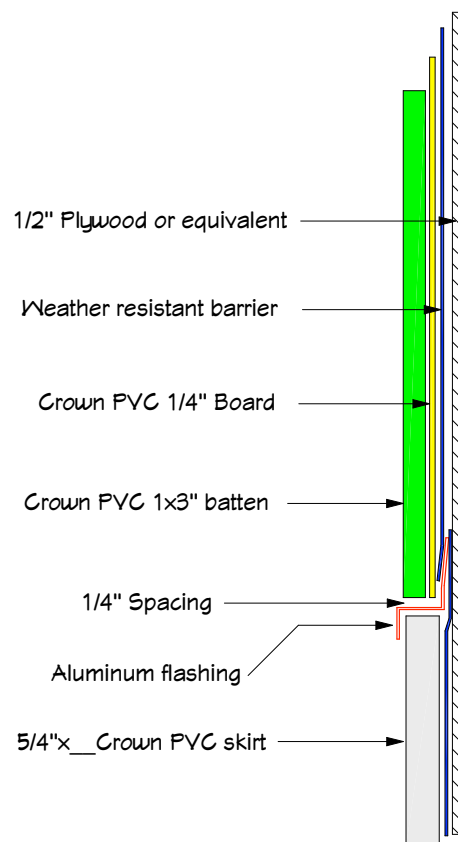


CROWN PVC BOARD AND BATTEN SKIRT FLASHING DETAIL

3D VIEW



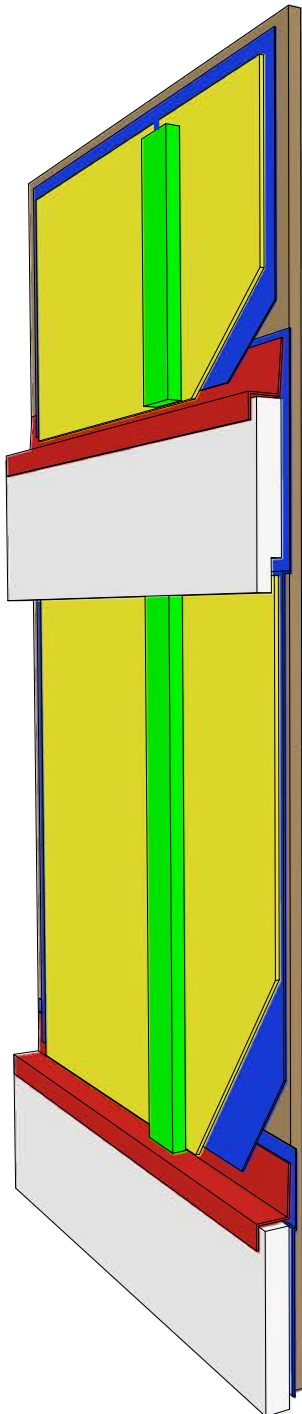
**SIDE-VIEW
WALL CROSS SECTION**



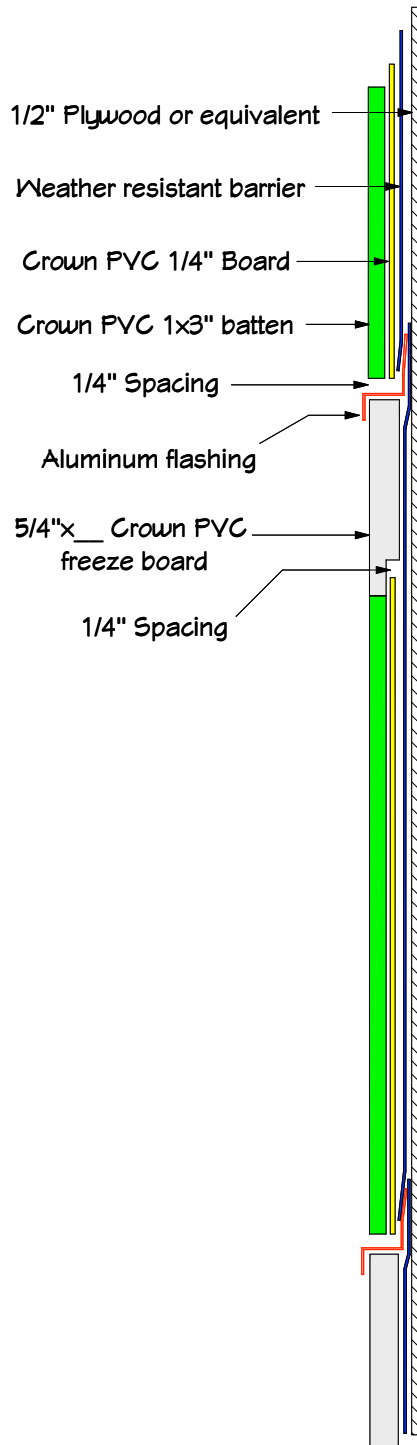


CROWN PVC BOARD AND BATTEN FREEZE BOARD FLASHING DETAIL

3D VIEW



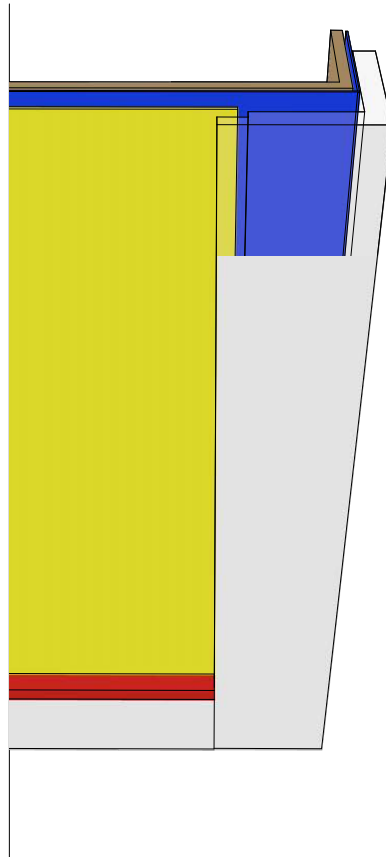
SIDE-VIEW
WALL CROSS SECTION



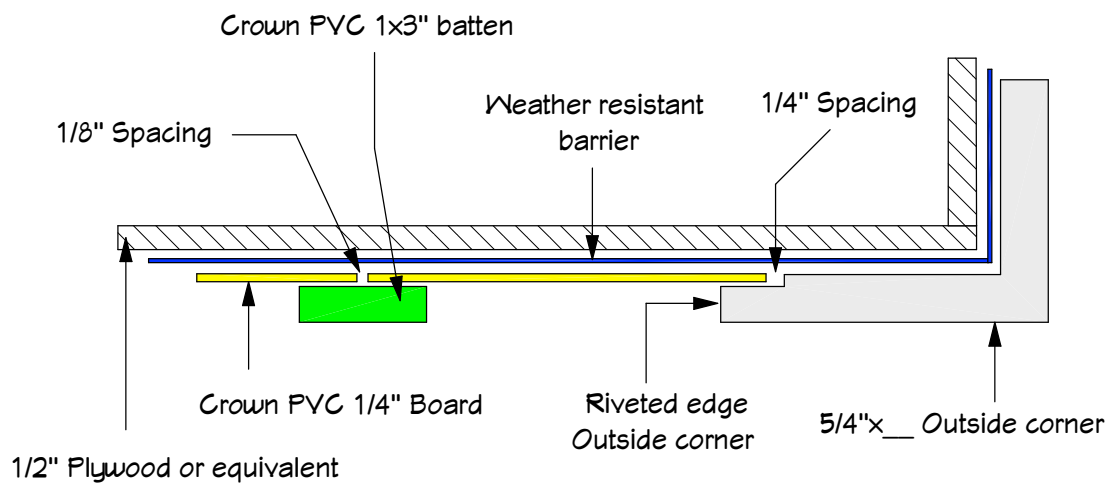


CROWN PVC BOARD AND BATTEN OUTSIDE CORNER DETAIL

3D VIEW

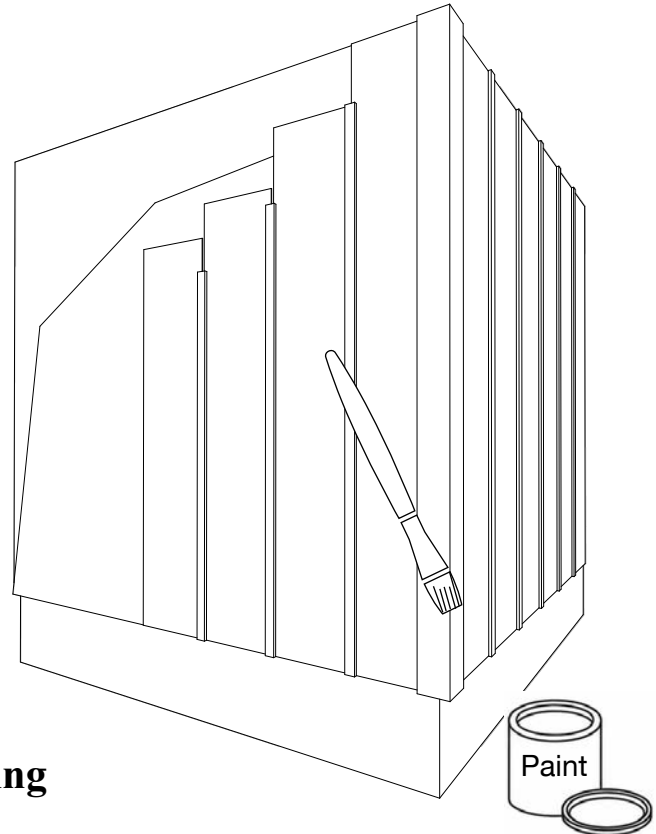


TOP VIEW WALL CROSS SECTION



CROWN BOARD AND BATTEN

PAINT TOUCH UP



Touch-up, maintenance and re-painting

- Shake touch-up paint well. Test on a piece before use to ensure color match. Apply to all visible cuts and damaged edges. Hidden cuts don't require paint. Crown PVC board and batten are water and moisture resistant
- The touch-up paint/stain is specifically designed for use on areas that have been cut during installation and require restoration. It is important to apply the paint/stain only to these affected spots, as using it on factory-coated surfaces can lead to uneven coloring and an undesirable finish. Always ensure that the area you're treating needs a touch-up to achieve the best results.
- Do not repaint the entire area; Field paint application voids the warranty. If repainting is needed, use a paint with Light Reflective Value (LRV) of 50 or greater.
Preferred paint: Benjamin Aura® or PPG Breakthrough® or Exterior 100% Acrylic Latex Satin.
- Crown PVC products are easy to clean; just mix water with mild detergent or a household cleaner. For mold or mildew, use a gentle solution like a 10-part water-by-1-part bleach mixture or products like Wet & Forget® or Simple Green®, but be sure to test a small area first.
- Lightly spray the cleaning agent onto the surface with a garden spray pump or a nylon cleaning brush, then rinse with plenty of water. Avoid high-pressure washers to protect brushed or sand-textured surfaces.