MOSAIC
PLANKS & BATTENS

PLANK SYSTEM DATA SHEET

Product Information

- The perfect architectural solution for a variety of exterior and interior applications including claddings, soffits, ceilings and walls.
- Made of 6063-T6 extruded aluminum alloy.
- Applied over open framing or solid substrate.
- Lightweight, durable and our licensed proprietary sublimation process makes its beauty last for years.
- Custom trim flashing available on request.

Available Finishes

Solid colors, woodgrains, and specialty finishes.

Visit lumabuilt.com to view all available finishes.

Warranty

Woodgrains: 15-year standard warranty (20 year specialty warranties on request)

Solid Colors: 20-year standard warranty

Full details are available at lumabuilt.com.

Testing Information

- System Testing with CA & PA Stamps: ASTM E2768/E84, ASTM E136, AAMA 1402
- Paint Finish Testing: AAMA 2605
- Fully ICC Certified: ESR-5329
- Class “A” Fire Rating
- Miami-Dade County Building Permits HVHZ - FL#47190
- Light Reflectance (LRV): Up to 65% (Ultra White)*

*Contact Lumabuilt for more information and full LRV report.

PLANK PROFILES

PROFILE/PRODUCT	COVERAGE	LENGTH	DEPTH	THICKNESS	WEIGHT
2.5” V-Groove Plank	2.5”	24’ *	7/16” **	.062” (nominal)	.325 lb/lf
4” V-Groove Plank	4”	24’ *	7/16” **	.062” (nominal)	.491 lb/lf
6” V-Groove Plank	6”	24’ *	7/16” **	.062” (nominal)	.638 lb/lf
6” Flush Plank	6”	24’ *	7/16” **	.062” (nominal)	.652 lb/lf
8” V-Groove Plank	8”	24’ *	7/16” **	.062” (nominal)	.787 lb/lf
8” Flush Plank	8”	24’ *	7/16” **	.062” (nominal)	.780 lb/lf
10” V-Groove Plank	10”	24’ *	7/16” **	.100” (nominal)	1.506 lb/lf
6” Vented Plank	6”	12’ *	7/16” **	.062” (nominal)	.543 lb/lf
Perforated Vent	Custom	10’ *	Custom	.050” (nominal)	Varies by Size

TRIM PROFILES

PROFILE/PRODUCT	LENGTH	WEIGHT	PROFILE/PRODUCT	LENGTH	WEIGHT
Starter	12’	.139 lb/lf	Joint Assembly Reveal	12’	.345 lb/lf
J- Starter	12’	.226 lb/lf	Outside Corner	12’	.401 lb/lf
Corner Assembly	12’	.711 lb/lf	Inside Corner	12’	.403 lb/lf
Edge Assembly Termination	12’	.238 lb/lf	Zee Support	12’	.091 lb/lf
Joint Assembly Flush	12’	.344 lb/lf			

* Custom lengths are available upon request. Order minimums may apply.
**Overall system depth when installed with trims is 5/8”

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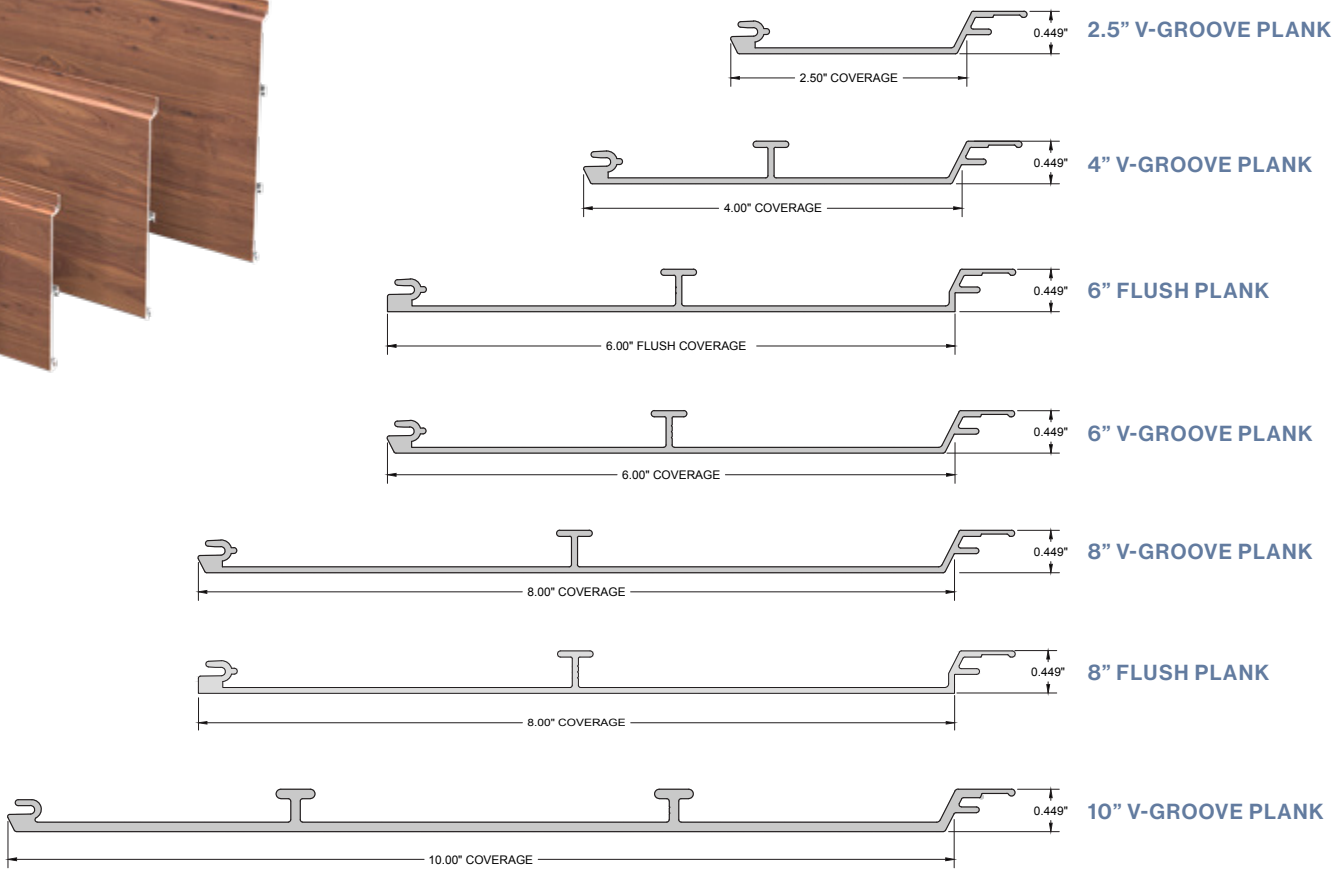
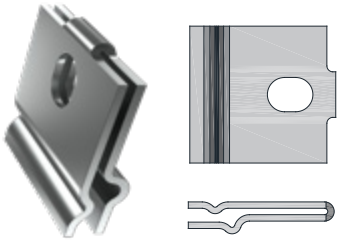
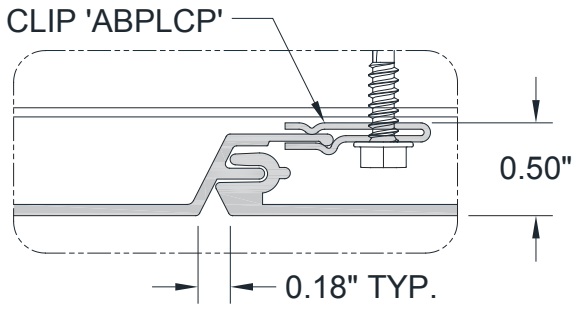


Installation

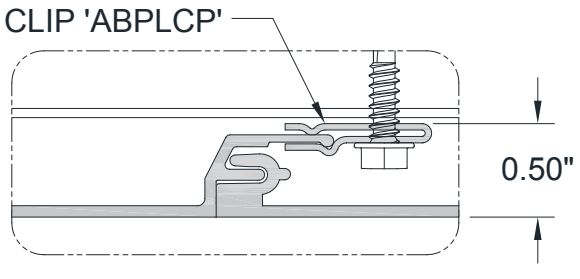
Our Mosaic Plank System is installed utilizing a 3/4” stainless-steel floating panel clip over open framing or solid substrate. Clips are made from 304-2B x .035” thick stainless steel, which allows for both thermal expansion and moisture weep. All materials may require a fresh square cut due to the manufacturing process. Refer to installation instructions for full details.



CLIPS (ABPLCP)



V-GROOVE PLANK ENGAGEMENT



FLUSH PLANK ENGAGEMENT

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Ventilation

Soffit ventilation plays a key role in the health and efficiency of a building. By allowing continuous airflow through the attic, vented soffits help regulate temperature, control moisture, and extend the life of roofing materials.

- **Moisture Control –** Prevents condensation, mold, and mildew by allowing moisture to escape.
- **Temperature Regulation –** Reduces attic heat buildup in summer, easing stress on roofing and HVAC systems.
- **Energy Efficiency –** Promotes consistent attic temperatures, helping lower heating and cooling costs.
- **Ice Dam Prevention –** Keeps attic temperatures closer to outside air, reducing ice dam formation in cold climates.
- **Extended Roof Lifespan –** Protects shingles and underlayment from damage caused by heat and moisture.
- **Improved Air Quality –** Enhances air exchange, reducing pollutants and supporting safer indoor conditions.
- **Code Compliance –** Meets building code requirements for ventilation and occupant health.

VENT AREA CALCULATION

To determine how many vented soffit planks are needed:

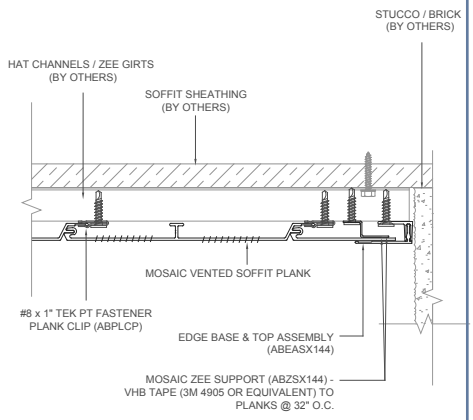
1. Check local building code requirements first.
2. If no local standard applies, use the general rule:

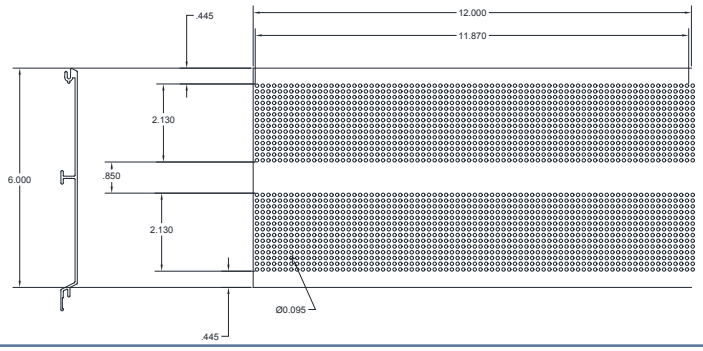
Total Vent Area (ft²) = Attic Floor Area (ft²) ÷ 150

Half of this area should be vented through soffit planks, and the other half through roof-mounted ventilation.

6" VENTED PLANK

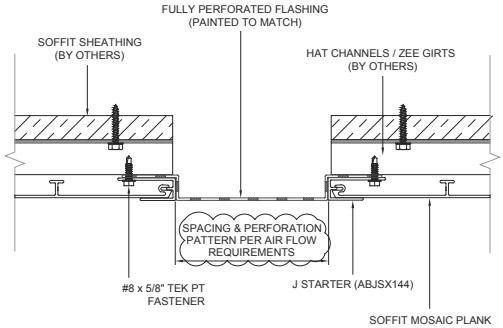
Open Area = 20.3%





PERFORATED VENT

Open Area = 33.6%



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Trims

Mosaic trim components are supplied in 12' lengths and must be field cut to fit each application. Trims may be square cut or miter cut to achieve the desired appearance. They can be used to cover plank ends, create design accents, and accommodate thermal expansion while concealing field cuts. Refer to installation instructions for complete details.

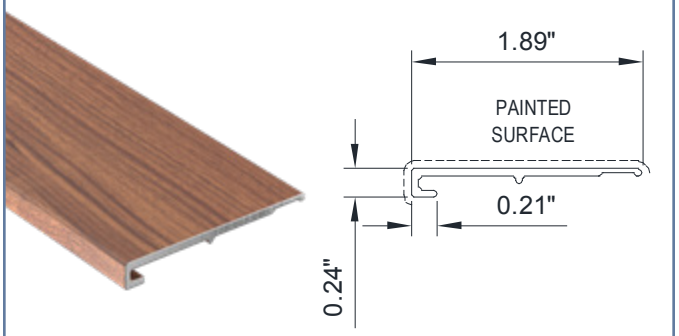
BEST PRACTICES

- Use full-length trim pieces whenever possible.
- Avoid using multiple short pieces in areas better suited for single continuous length

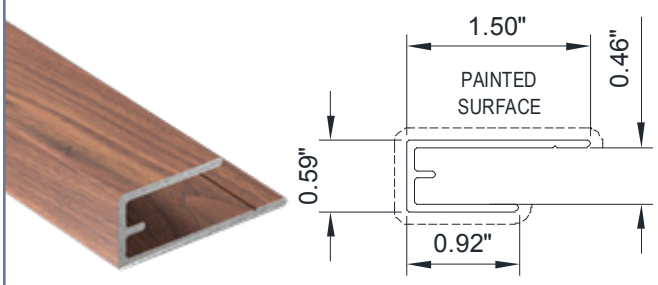
ADDITIONAL RESOURCES

A full set of trim detail drawings is available to clarify and define installation options. The most current details can be found at Lumabuilt.com.

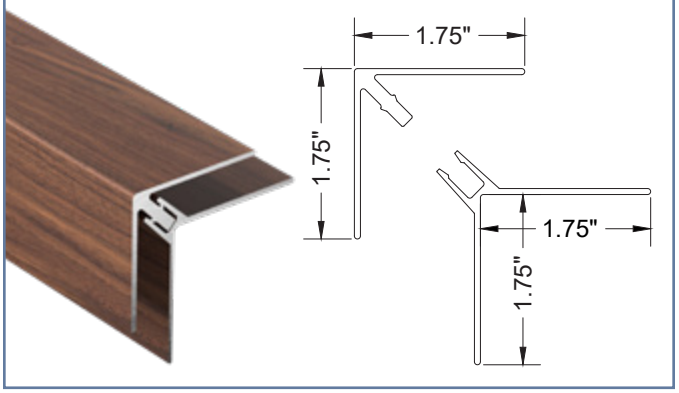
STARTER



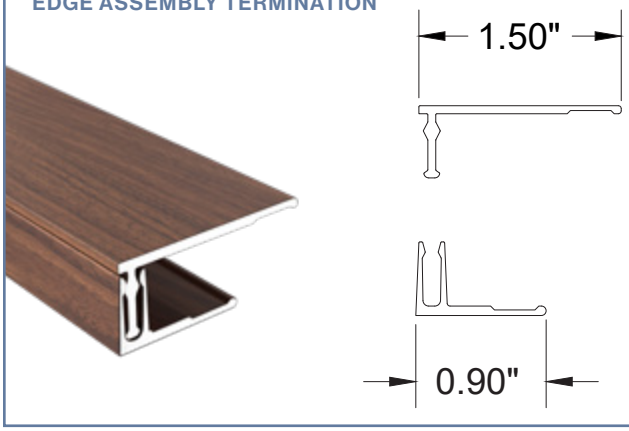
J-STARTER



CORNER ASSEMBLY



EDGE ASSEMBLY TERMINATION



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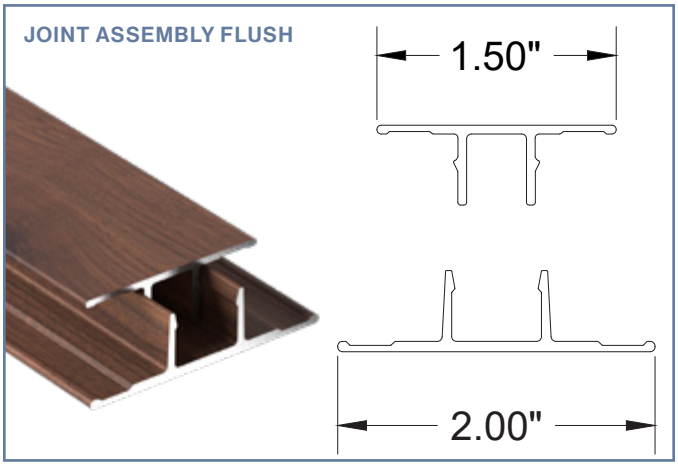
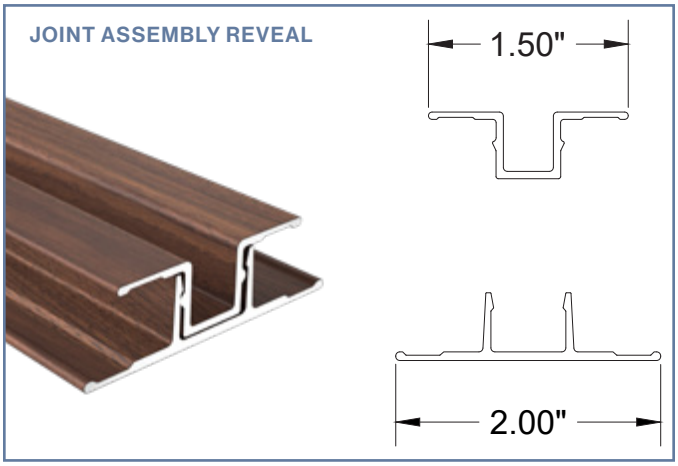
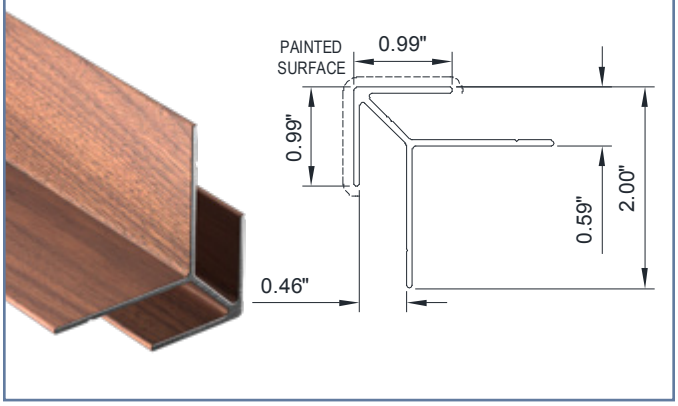
JOINT ASSEMBLY FLUSH



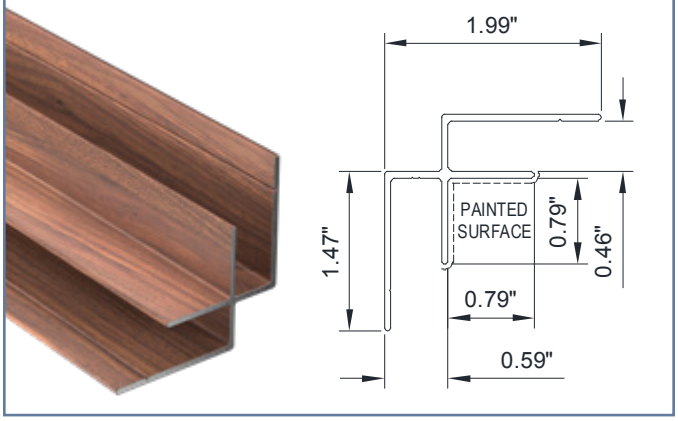
JOINT ASSEMBLY REVEAL



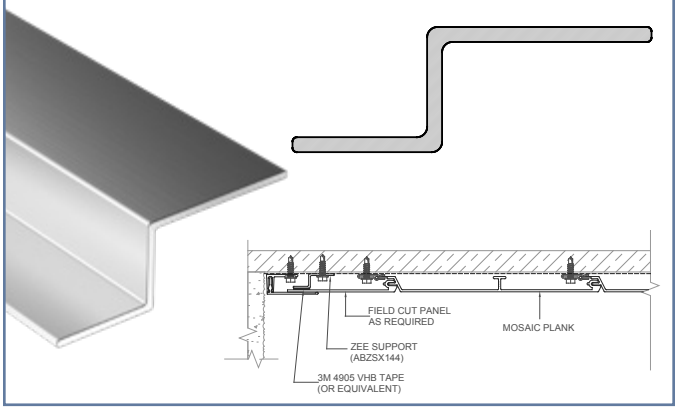
OUTSIDE CORNER



INSIDE CORNER



ZEE SUPPORT



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