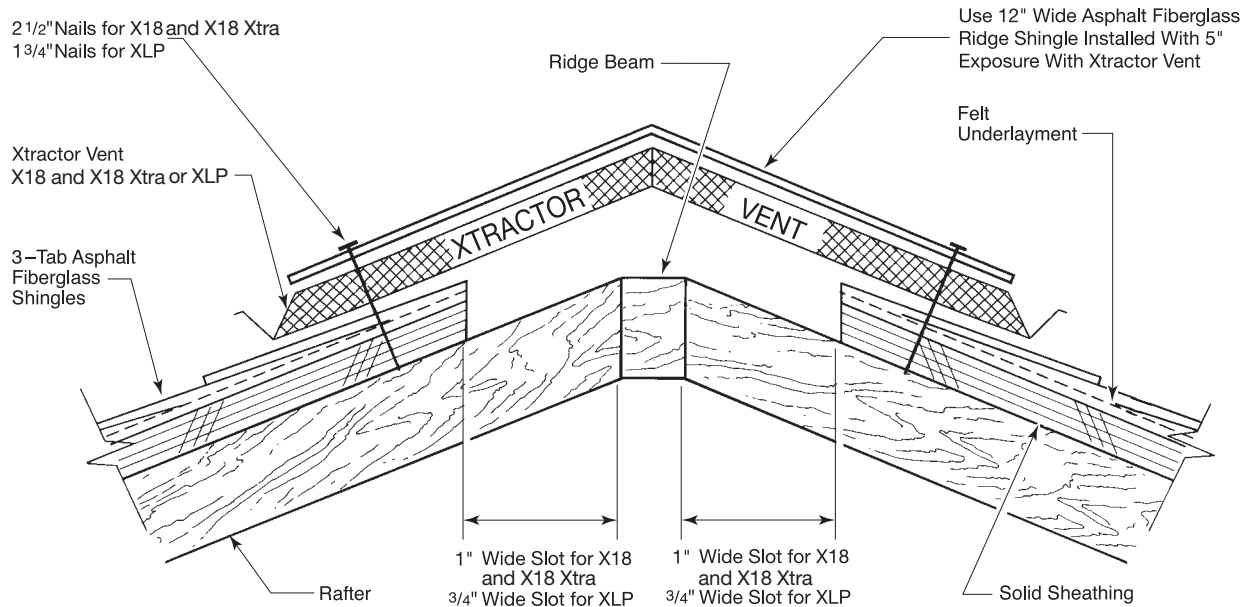


APPLICATION & ARCHITECTURAL DRAWINGS

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INSTALLATION WITH RIDGE BEAM



Note:

- Must be used with equal or greater amount of soffit ventilation.
- Installs on pitches 3/12 to 16/12.
- Use with standard 12" wide cap shingles.
- Use 2 1/2" nails for X18 and X18 Xtra or 1 3/4" nails for XLP to assure penetration into the sheathing 3/4" or completely through the sheathing.
- For XLP, compressor pressure should be set between 90 psi and 100 psi.

Installation:

1. Cut a slot on each side of ridge beam 1" wide for X18 and X18 Xtra or 3/4" wide for XLP. Allow for a closed area of sheathing 12" at both ends of ridge.
2. Place first piece of vent with female end 1" in from gable end and use centering line for proper alignment along peak. Fasten using at least two nails at each end and in middle of section in nail line area (2 1/2" minimum nail length for X18 and X18 Xtra or 1 3/4" minimum nail length for XLP). More may be required on steeper slopes to seat properly. Continue installing additional pieces along ridge sliding female end over male end, aligning using centering line. **Note:** In cold weather, allow a 1/8" gap between vent sections for expansion.
3. When reaching the other end, the last vent section may need to be cut to length. End plugs are provided every 12" on underside of the product. Measure amount

needed to install to within 1" of gable end. Cut that length in from end of vent section and flip around so that end plug is at gable end. Allow male tab from previous piece to slide under last piece and nail in place.

4. Place first cap shingle over vent so that it overhangs at least 1" over end of vent section. Install with 2 1/2" nails for X18 and X18 Xtra or 1 3/4" nails for XLP in nail line area as you work your way down the roof. Cut last cap shingle so that it overhangs vent 1" at other gable end.

Helpful Hints:

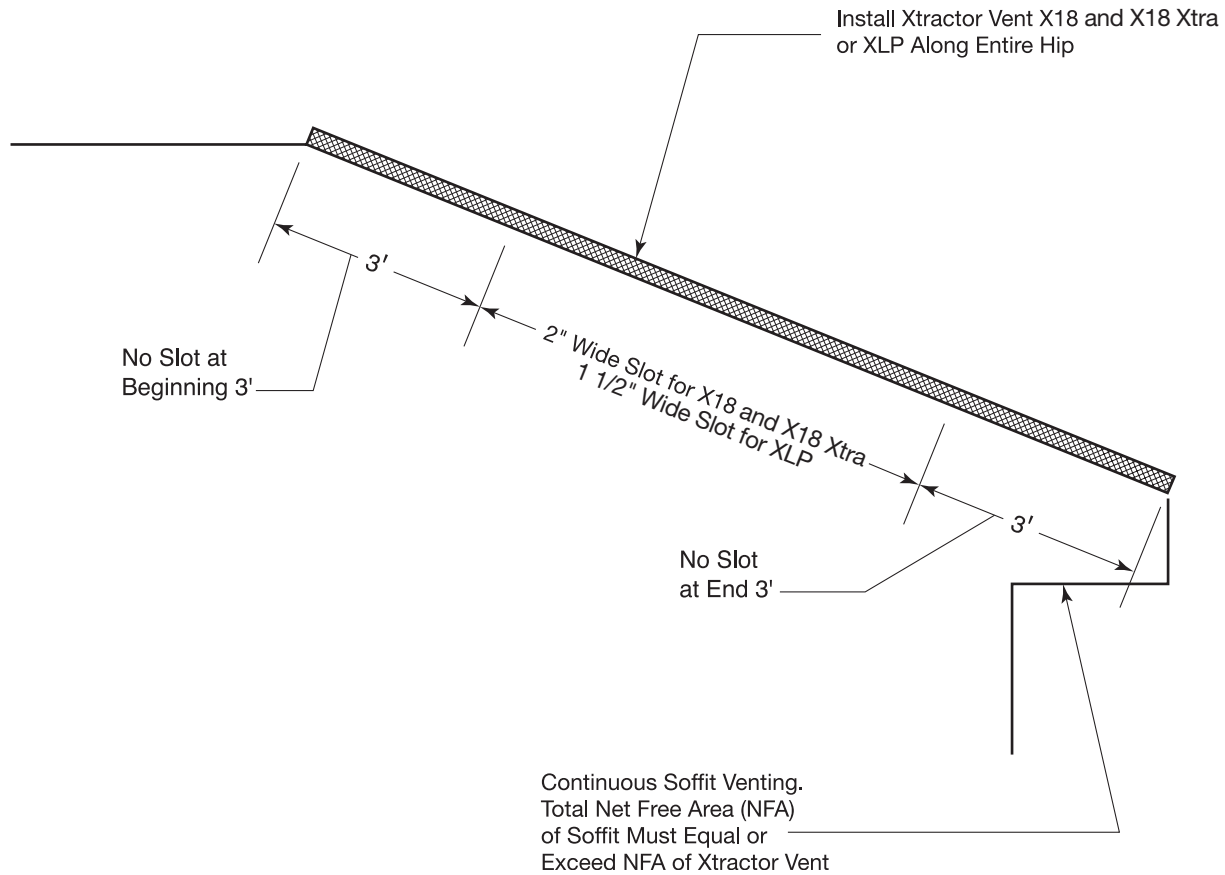
Optionally, you may install cap shingles on each piece as you go along, taking care to assure proper alignment.

If installing on dimensional or architectural shingles on new construction, leave felt underlayment about 6" long at roof ridge and fold back under the vent so that vent is essentially installed on top of felt over the shingles. If re-roofing, caulk between low areas of shingle and baffle of vent after installation.

Lines across top of product indicate where the end plugs are on the underside (every 12"). There is no need to flip the last piece if you measure and plan ahead to install on an even foot increment.

The nail line area is completely free from obstructions except where the end plugs are. By using the end plug indicators on top of product, you can easily avoid nails through the end plugs.

HIP ROOF



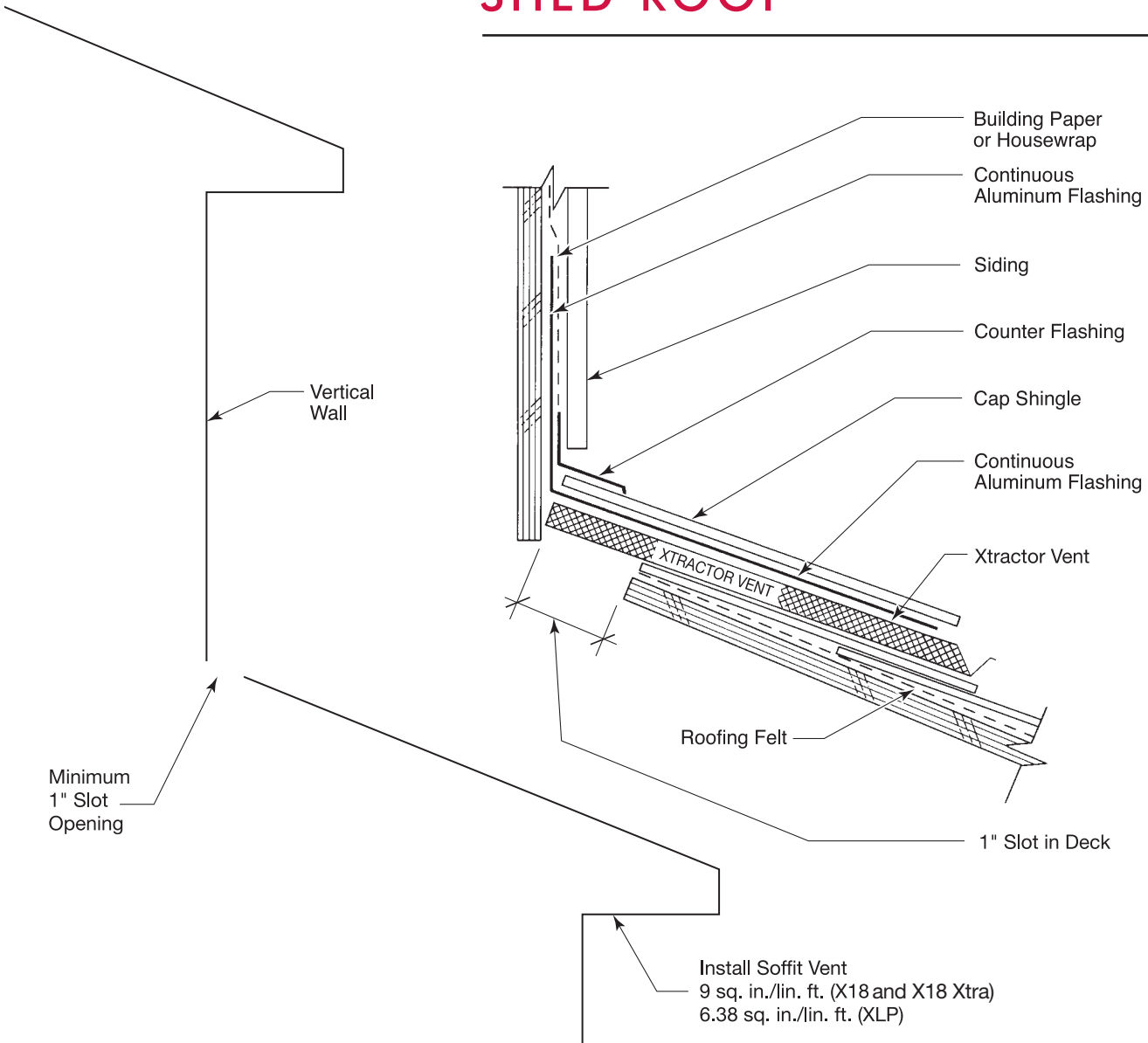
Note: Hip Application not to exceed 12/12 pitch.

Cut slot in roof along hip 2" wide for X18 and X18 Xtra or 1 1/2" wide for XLP beginning 3' from peak and running to 3' of end of hip. Start Xtractor Vent a minimum of 1" from each end of the hip. Center ridge cap shingles over vent and use nail line as a placement guide. Install with 2 1/2" nails for X18 and X18 Xtra or 1 3/4" nails for XLP. Nails must penetrate into the sheathing 3/4" or completely through the sheathing. Ridge cap shingles must overhang Xtractor Vent by 1" each hip end.

Run bead of sealant along bottom edge of Xtractor Vent where it meets shingles on roof deck.



SHED ROOF



Note: Xtractor Vent will only vent 9 sq. in. per linear foot (X18 and X18 Xtra) or 6.38 sq. in. per linear foot (XLP) in this application. The Venturi effect will be limited.

Cut Xtractor Vent baffle area off and install flat side against the vertical wall. Start Xtractor Vent a minimum of 1" from each end of roof. Center ridge

cap shingles over vent and install with nails. Use nail line as placement guide. Nails must penetrate into the sheathing 3/4" or completely through the sheathing. Ridge cap shingles must overhang Xtractor Vent by 1" minimum at each end of roof.

For added weather protection, install counter flashing behind siding and over top of cap shingle.

CATHEDRAL CEILINGS

Cathedral or vaulted ceilings present some unique ventilating situations that need to be addressed up front to avoid condensation problems down the road. A cathedral ceiling is typically constructed utilizing 2 x 8 rafters on 16" or 24" centers; plywood roof decking on top of the rafters; and drywall, which becomes the ceiling of the room below, on the bottom of the rafters. Since this rafter space becomes the only separation between living space and outside temperatures, many builders want to install as much insulation as possible in this space. This causes a problem by restricting the air flow capability from soffit (intake) to ridge (exhaust) within these rafter spaces. This usually shows up in the form of condensation. The following are tips to follow when designing or installing Xtractor Vent for use in cathedral/vaulted ceilings:

1. Be sure to properly “balance” the Xtractor Vent total net free area with soffit vent total net free area. Strip soffit vent with a net free area of at least 9 sq. in. per linear foot (X18 and X18 Xtra) or 6.38 sq. in. per linear foot (XLP) is necessary.
2. Install Xtractor Vent and soffit venting continuously along the ridge and eave overhang, respectively. Each rafter space must have air flow.
3. Install “vent chutes” between the rafters from the soffit to the ridge. This assures at least 1 1/2" of unobstructed air space between the bottom of the deck and top of the insulation.
4. Install a vapor barrier on the “warm” side of the insulation to provide a block against living area moisture migrating into the rafter spaces.

Following the above procedures will minimize the potential for condensation-related problems in cathedral or vaulted ceilings.



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Established in 1868, Benjamin Obdyke Incorporated is a leading designer and provider of value-added, innovative residential building solutions. The constant stream of innovations from Benjamin Obdyke Incorporated has helped to shape the thermal and moisture protection segment of the building industry—from the original ridge vent on a roll and the first rolled rainscreen, to the latest developments in an ever-expanding product line.



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