

Begin Hidden-Fastened Vertical Seam Training 4 hours

Goals for Second Half of the Day

Begin hidden-fastened training
Install Hidden-fastened Eave Trim
Install Hidden-fastened Valley Trim

Install Hidden-Fastened Eave Trim 2 hours

Learning Objectives

Understand the key ways hidden-fastened systems differ from through-fastened.
Understand how and where to install perimeter cleats.
Understand how to measure and cut eave trim at inside and outside corners.
Understand how to screw in eave trim.

Resources

Meridian Installation Manual
p. 1 – 15, and 24
McElroy Installation Video
Eave trim installation

Install Hidden-fastened Valley Trim 1½ hours

Learning Objectives

Understand how to measure, cut, bend and install valley trim at the eaves.
Understand how to screw in valley trim.
Understand how and where to attach valley cleats.

Resources

Meridian Installation Manual
p. 28
McElroy Installation Video
Valley trim installation

Clean-Up ½ hour

Homework

Meridian Installation Manual
p. 12-14; 20; 27; 32 (see Day 5 for text)
McElroy Installation Video
Panel installation basics
Installing panels in the field and at valleys
Installing ridge trim
Installing panels around pipe vents

Continue Hidden-Fastened Vertical Seam Training

Goals for the Day

Continue “hidden-fastened” training.
Install field and valley panels.
 Install ridge flashing.
 Install pipe vent panels.

Install Field and Valley Hidden-fastened Panels 4 hours

Learning Objectives

Understand how to measure, cut and install hidden-fastened panels in the field and at valleys.

Resources

Meridian Installation Manual
 p. 12-14; 20
McElroy Installation Video
Panel installation basics
Installing panels in the field and at valleys

Install Hidden-fastened Ridge Trim 2½ hours

Learning Objectives

Understand the purpose of and how to measure, cut and install a profile vents.
Understand how to measure, cut and install ridge cap attachment cleats.
 Understand how to measure, cut and install vented ridge trim.
 Practice installing pop rivets.

Resources

Meridian Installation Manual
 p. 27
McElroy Installation Video
Installing ridge trim

Install Panels at Pipe Vents 1 hour

Learning Objectives

Understand how to measure and locate holes over vent pipes and other roof penetrations.
Understand how to cut holes out of panel metal.

Resources

Meridian Installation Manual
 p. 32
McElroy Installation Video
Installing panels around pipe vents

Clean-Up ½ hour

Homework

Meridian Installation Manual

p. 26; 29 (see Day 5 for text)

McElroy Installation Video

Installing chimney panels and trim

Installing slope transition panels and trim

Finish Hidden-Fastened Vertical Seam Training

Goals for the Day

- Complete “hidden-fastened” training.
- Install hidden-fastened chimney panels and trim.
 - Install hidden-fastened slope transition panels and trim.
 - Install rake trim.
 - Dismantle hidden-fastened roof.

Install Hidden-fastened Chimney Panels and Trim 3 hours

Learning Objectives

- Get a feel for the complex task of installing roofing around a large opening like a chimney.
- Understand how to measure, cut and install hidden-fastened chimney panels.
- Understand how to measure, cut and install uphill, side and headwall trim.
- Understand the importance of “shingling.”
- Get a feel for thinking about how water flows down a roof and around an opening like a chimney and how that impacts the way roofing is installed.

Resources

- McElroy Installation Video
- Installing chimney panels and trim

Install Hidden-fastened Slope Transition Panels and Trim 3 hours

Learning Objectives

- Understand how to install panels at slope transitions.
- Understand how to install slope transition flashing.
- Understand the importance of, and how to install, tape sealer at slope transitions.

Resources

- Meridian Installation Manual
 - p. 29
- McElroy Installation Video
- Installing slope transition panels and trim

Install Rake Trim 1 hour

Learning Objectives

- Understand how to measure, cut and install hidden-fastened rake trim.

Resources

- Meridian Installation Manual
 - p. 26
- McElroy Installation Video
- Installing rake trim

Dismantle Through-Fastened Panels and Flashing 1 hour

Learning Objectives

Reinforce understanding of how “whole system” comes together

Continue practicing use of tools, walking around on the roof, handling and moving panels and trim.

Resources

None

Homework

Metro Roman-Tile Install guidelines complete. Special attention to:

p. 2-6

Metro Video

Installing Wood Build-up

Installing Drip Edge Metal

Installing Rake Metal

Installing Valley Flashing

Installing Bird-Stop Metal

Installing Field Tiles

Panel Installation Basics*

(* Note: This video sequence is part of a slope transition discussion, so the roof configuration shown does not match the roof we are working on. The video is included because it provides good, close-up illustrations of how to fasten tiles.)