

# Decking & Fascia

March 2019

# Agenda

- 🏠 Safety
- 🏠 Decking Basics
- 🏠 Decking Issues
- 🏠 Taping Decking Seams
- 🏠 Kick Out Flashing
- 🏠 Fascia

# Tools for Decking

- 🏠 Hammer
- 🏠 Measuring Tape
- 🏠 Chalk Line
- 🏠 Speed Square
- 🏠 Utility Knife
- 🏠 Circular Saw
- 🏠 Saw Horses
- 🏠 Extension Ladder(s)

## Reminder...

DAHFH Construction Staff may ask volunteers to vary from the practices included in the Construction Manual due to a change in materials, procedures, or other special circumstances.

# Safety

- 🏠 Any tools or material on the roof deck must be secured with nails or cleats or in a tool belt
- 🏠 Decking **must** be cut at ground level (e.g., do not install decking and then cut while on the roof)
- 🏠 Two people should pass full sheets of decking to a team of two on the roof
- 🏠 If using OSB, the rougher side should be face up to provide extra traction on the roof
- 🏠 Never leave a “loose” sheet of sheathing on the roof

# Safety – Extension Ladders

- 🏠 Ladders should be properly positioned and stable
- 🏠 Extension ladders should never be moved if there are people on the roof
- 🏠 Ladders should extend at least three rungs above the edge of the roof
- 🏠 Secure with proper ladder blocking



# Safety – HUGS

- 🏠 Do not lean against any of the HUGS rails
- 🏠 Do not use the HUGS as a foot hold
- 🏠 Do not place a ladder next to a HUGS; the ladder should be in center of an 4-foot section

# Organization

Suggest at least four teams:

Team 1: Sets decking (2 to 3 people)\*

Team 2: Nails off decking (1 to 3 people)\*

Team 3: Cuts the decking (2 to 3 people)

Team 4: Hands decking up to the roof from the ground (2 people)\*

\* Can have teams on both sides of house

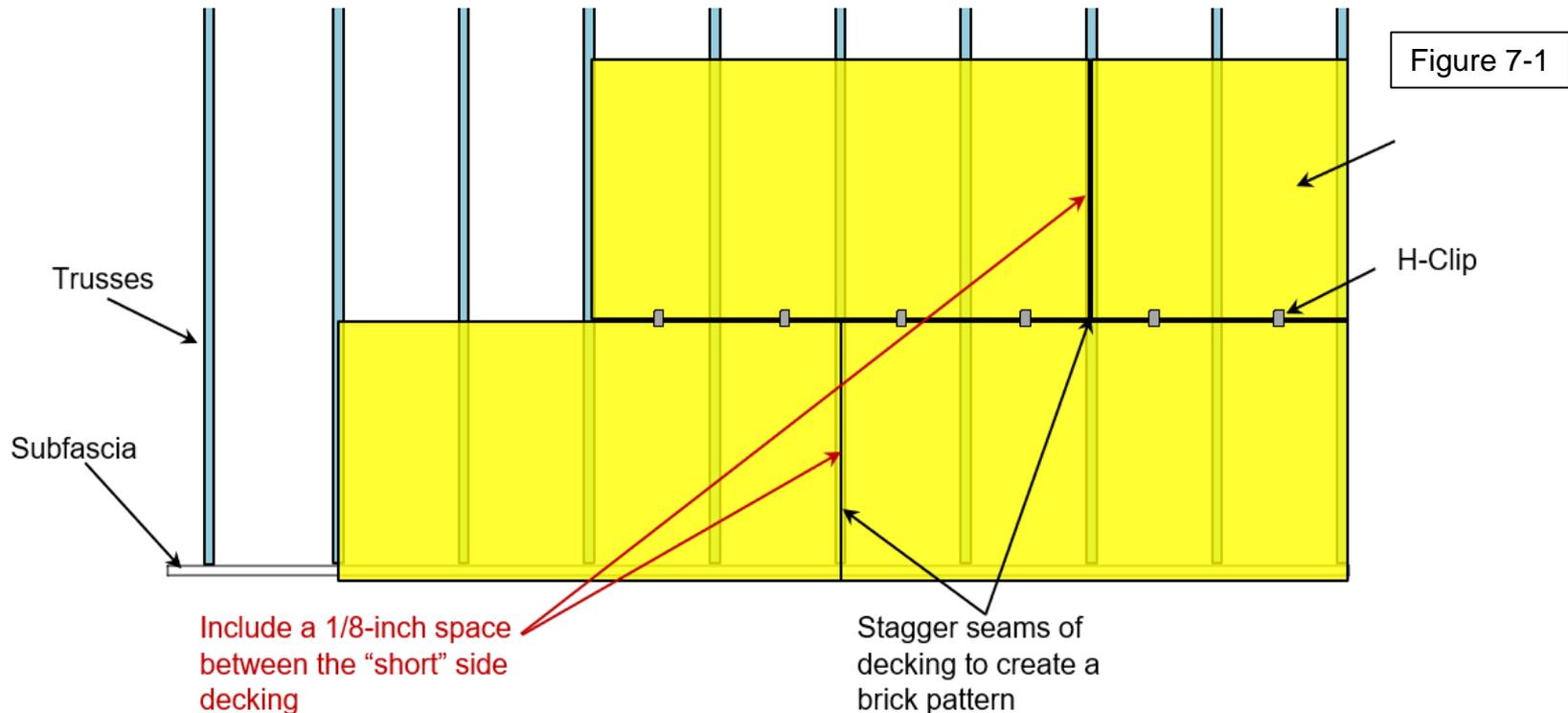
# Material Change as of January 2019



- 🏠 Using engineered decking material which eliminates the need for felt & button caps 😊
- 🏠 Slightly heavier (10 to 12 lbs)
- 🏠 Provides some insulation (R2 value)

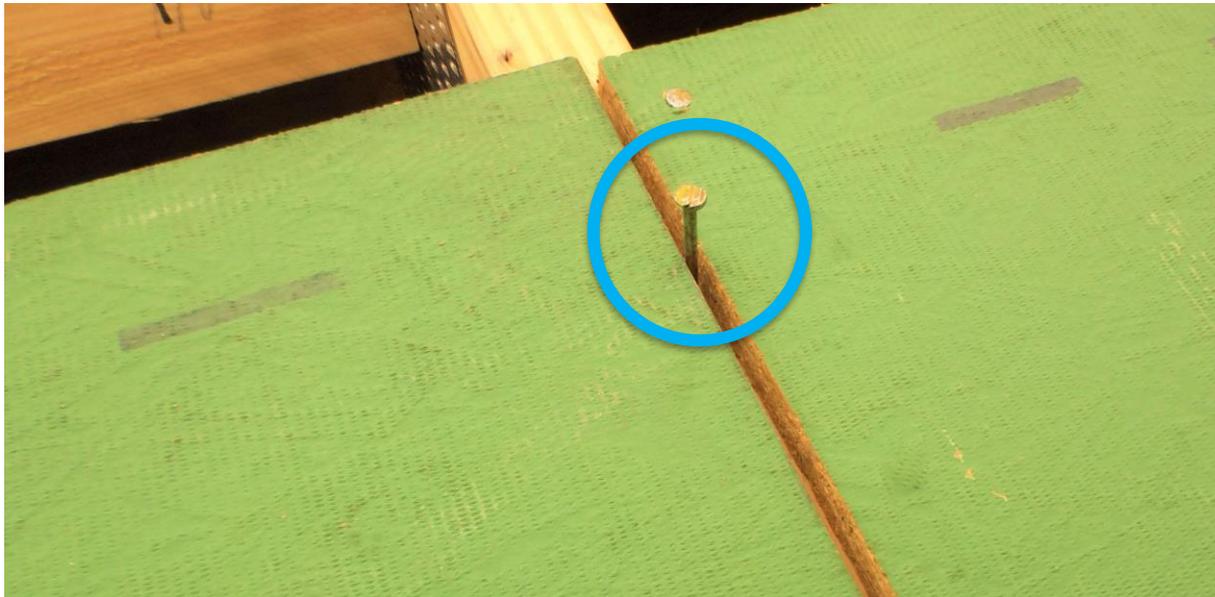
# Decking Layout

Decking is done using a “brick pattern”



# Change in Practice

- 🏠 Use 8d nail to provide an 1/8 space between the short (4-foot side) of decking



# Nailing Pattern

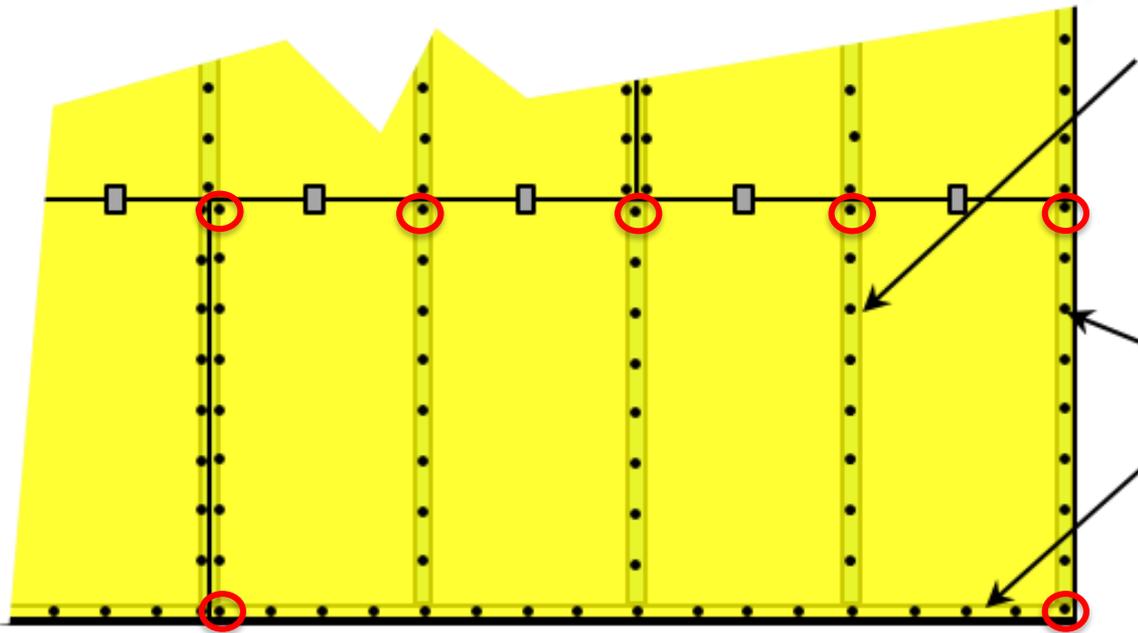
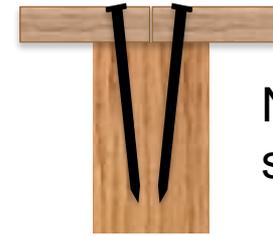


Figure 7-4

To “set” the decking in place, nail in all four corners and along the top at each truss as shown by the red circles



Nail at a  
slight angle

Field: Attach to  
trusses with 8d nails  
spaced every 6”

Edges: Attach to  
subfascia and trusses s  
with 8d nails spaced  
every 6 inches

**NOTE:** The dots and  
squares on the  
decking at 8 inches,  
not 6 inches

# Verify Truss Alignment

Due to warping and bowing of lumber, trusses may not be 24 inches OC. Trusses may need to be pushed or pulled to maintain proper spacing before nailing.

**MEASURE EACH  
BAY BEFORE  
NAILING**

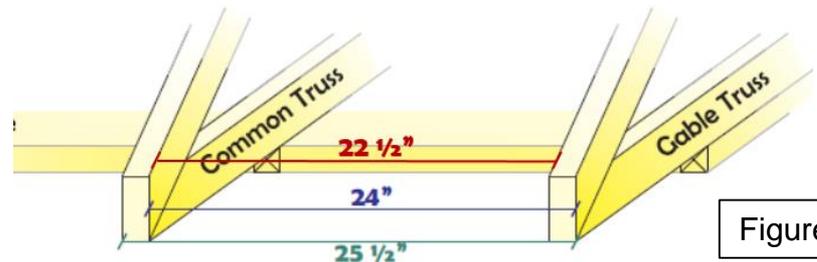


Figure 5-3

# Decking Basics

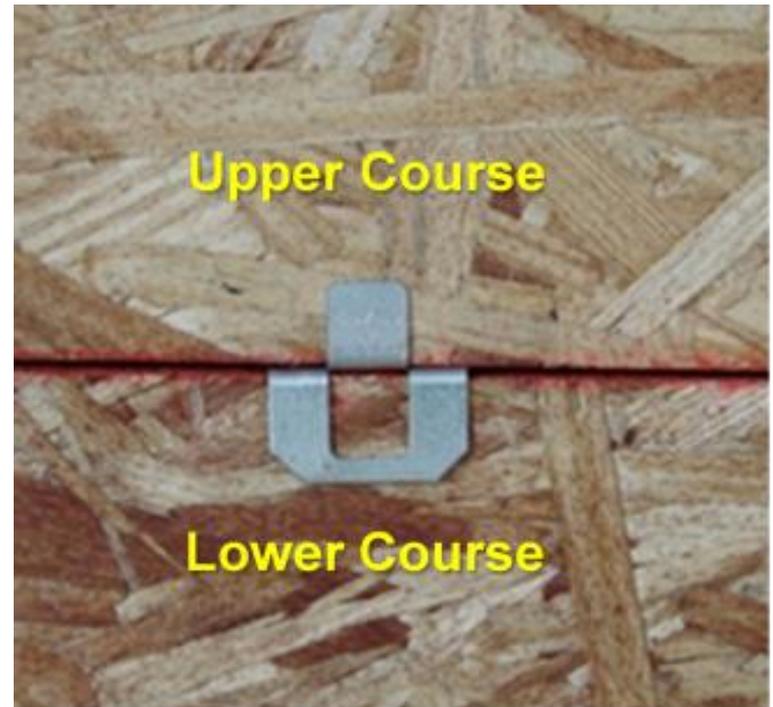
- 🏠 Along the eave, the first row of decking will slightly overhang the subfascia
- 🏠 On the rake, the decking **must** be flush with the outside edge of the subfascia
- 🏠 Whenever possible, butt factory edges together with the cut side at the outside rakes of the house
- 🏠 No pieces less than 40 inches wide
- 🏠 Because of the variations in the roof at the front of the house, **start decking at the back of the house**



# H-Clips

🏠 Place H-clips  
between each truss  
on the top edge of  
decking

Figure 7-5



# Alignment for First Row of Decking

- 🏠 On the common trusses at the front, back, and middle of the house, mark and snap a chalk line at  $47\frac{1}{2}$ " or  $35\frac{1}{2}$ "
- 🏠 Extend this line onto the ladder panels
- 🏠 It is more important to follow the chalk line than for the decking to be exactly  $47\frac{1}{2}$ " or  $35\frac{1}{2}$ "

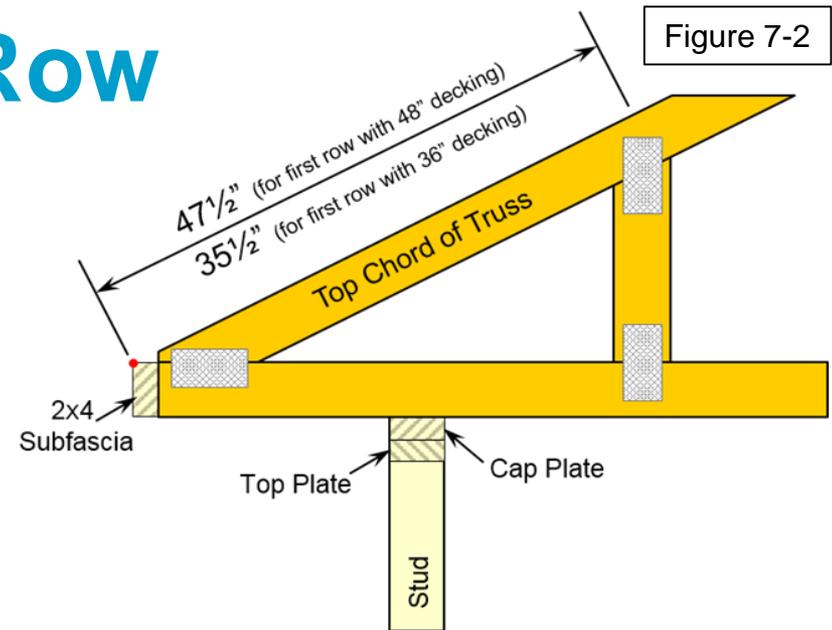
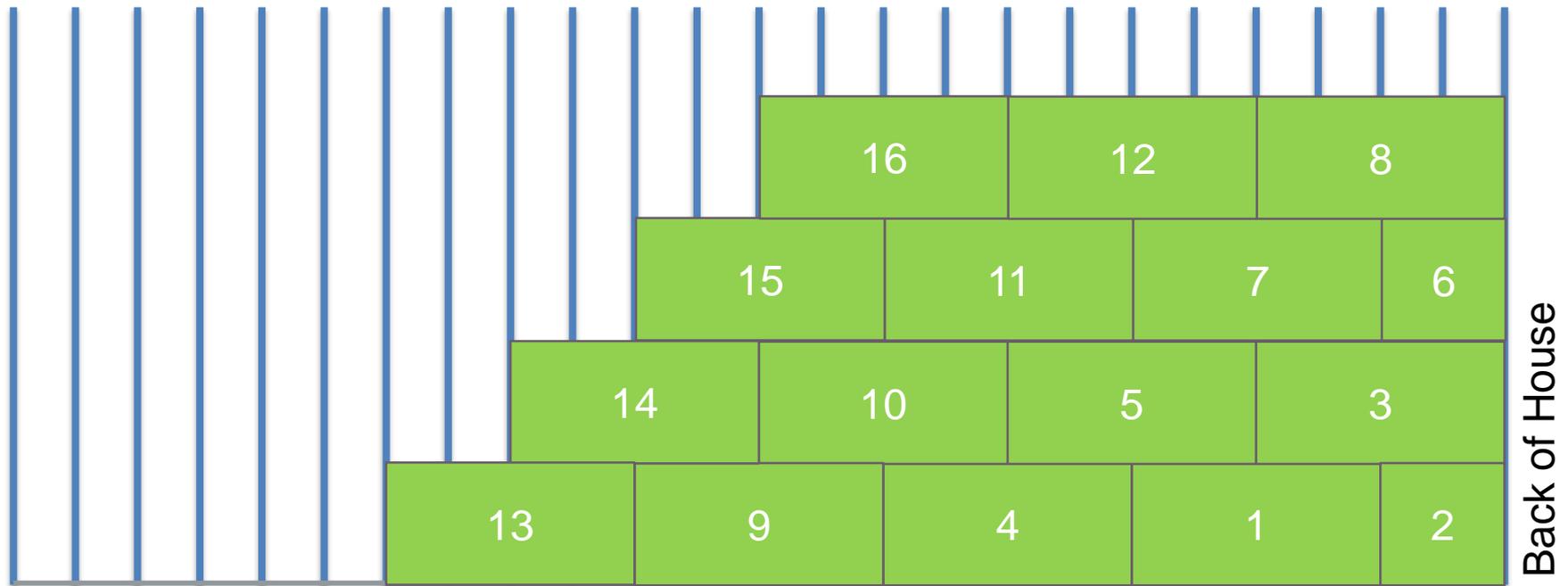


Figure 7-3



# Recommended Decking Sequence



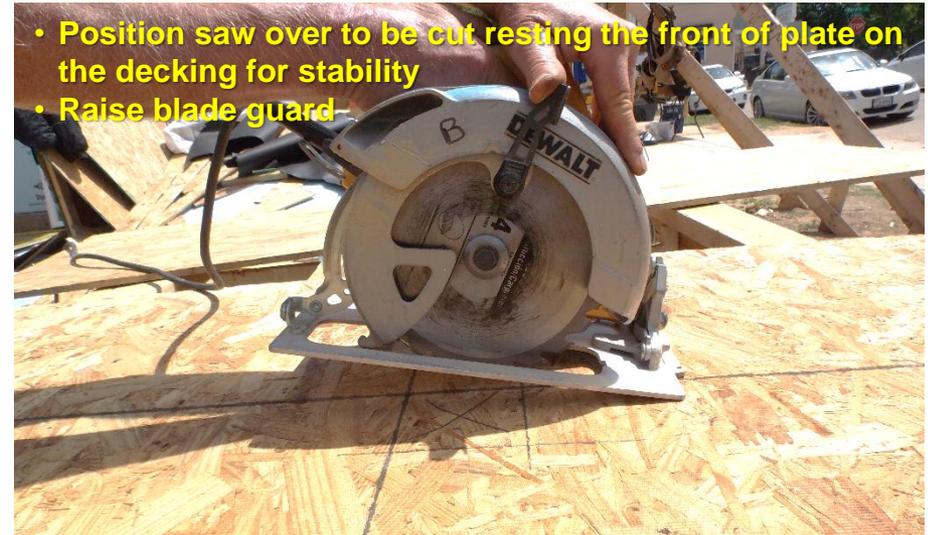
# Plumbing Vents



# Plunge Cut



**Measure and make center  
of hole on decking**



- Position saw over to be cut resting the front of plate on the decking for stability
- Raise blade guard



- Start the saw
- Slowly lower the blade into the decking

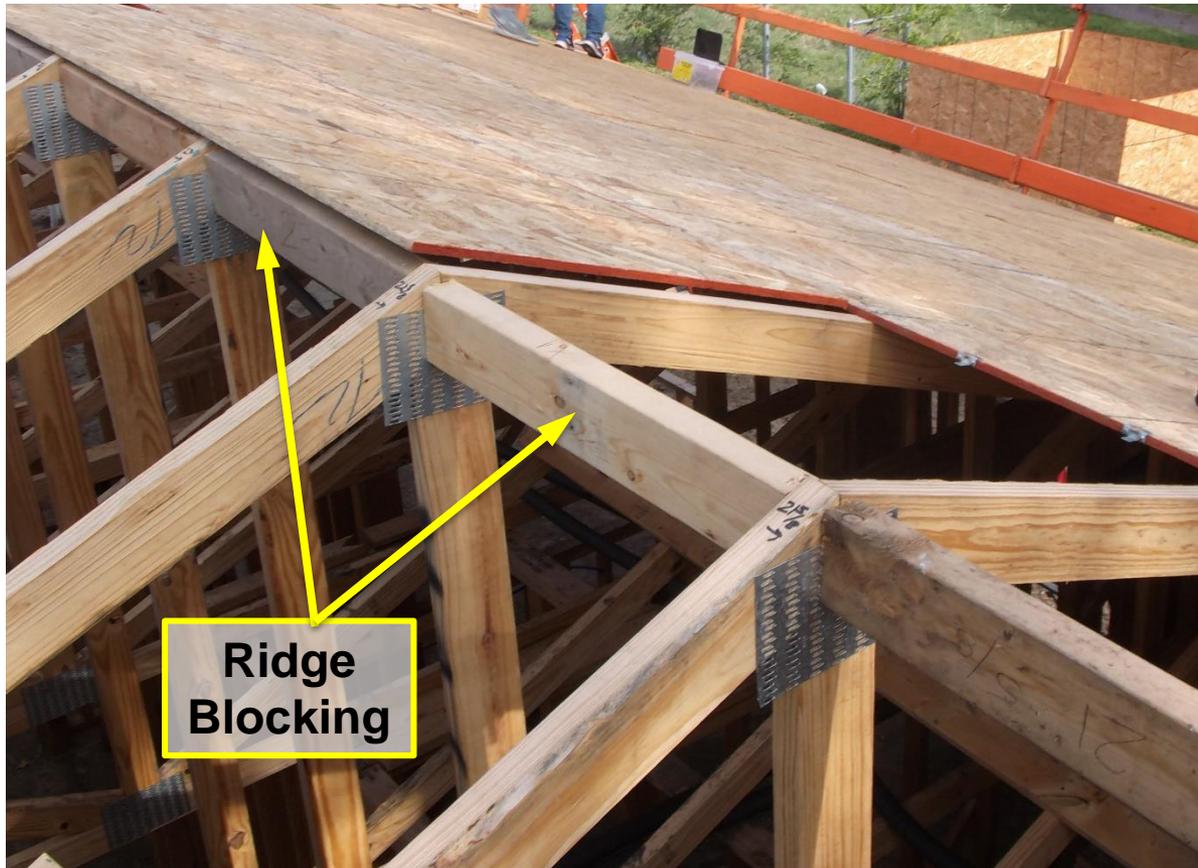
# Plunge Cut



Figure 7-6



# Top Row



# Issues?

Edge of each sheet of decking does not fall in the middle of the truss chord

*Solution...**install a 5 to 6-foot long 2x4 (called a scab) parallel and flush with the top chord of the truss (consult House Leader or Construction Supervisor before scabbing)*

# Issues?

Edge of each sheet of decking fall in the middle of the truss chord but there is not enough nailing surface because of a wane<sup>1</sup>

*Solution...install a 5 to 6-foot long 2x4 (called a scab) parallel and flush with the top chord of the truss (consult House Leader or Construction Supervisor before scabbing)*

Wane: A defect in a plank or board characterized by bark or insufficient wood at a corner or along an edge, due to the curvature of the log.



# Felt

- 🏠 ~~Place~~ felting felt providing a vapor and moisture barrier between the OSB and the shingles
- 🏠 Before ~~installing~~ the felt, inspect the roof before starting to ensure it is properly nailed
- 🏠 Make ~~sure~~ the felt lies flat along the roof before ~~installing~~ the shingles
- 🏠 Felt from the bottom to top
- 🏠 Keep felt parallel to the eave
- 🏠 The upper row of felt should overlap the previous row by about 3 to 4 inches

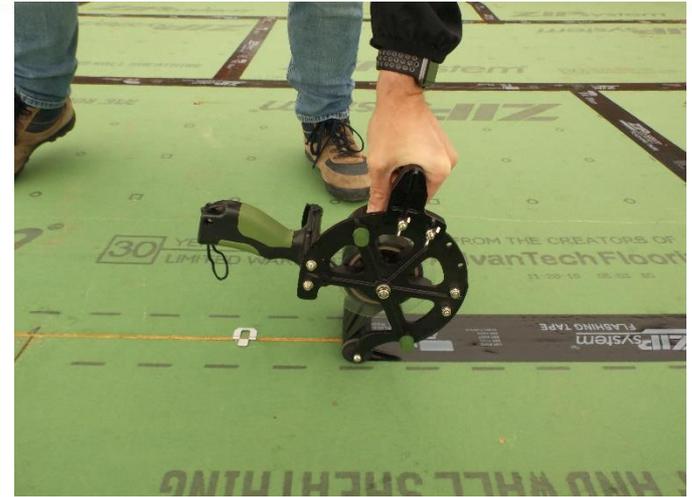


# Prior to Taping Seams

- ✓ All decking is completely nailed off
- ✓ Fascia installed
- ✓ Drip edges installed
- ✓ Decking must be dry and free of debris

# Taping Seams

- 🏠 Center tape on the seams
- 🏠 Use longest strip possible
- 🏠 At splices, overlap the tape at least 3 inches
- 🏠 Ridge will require 2 rows of tape
- 🏠 Tape should be flush with the bottom of the horizontal tape and extend 2 inches above the decking seam of the row above
- 🏠 Overlapping the top of the vertical strips

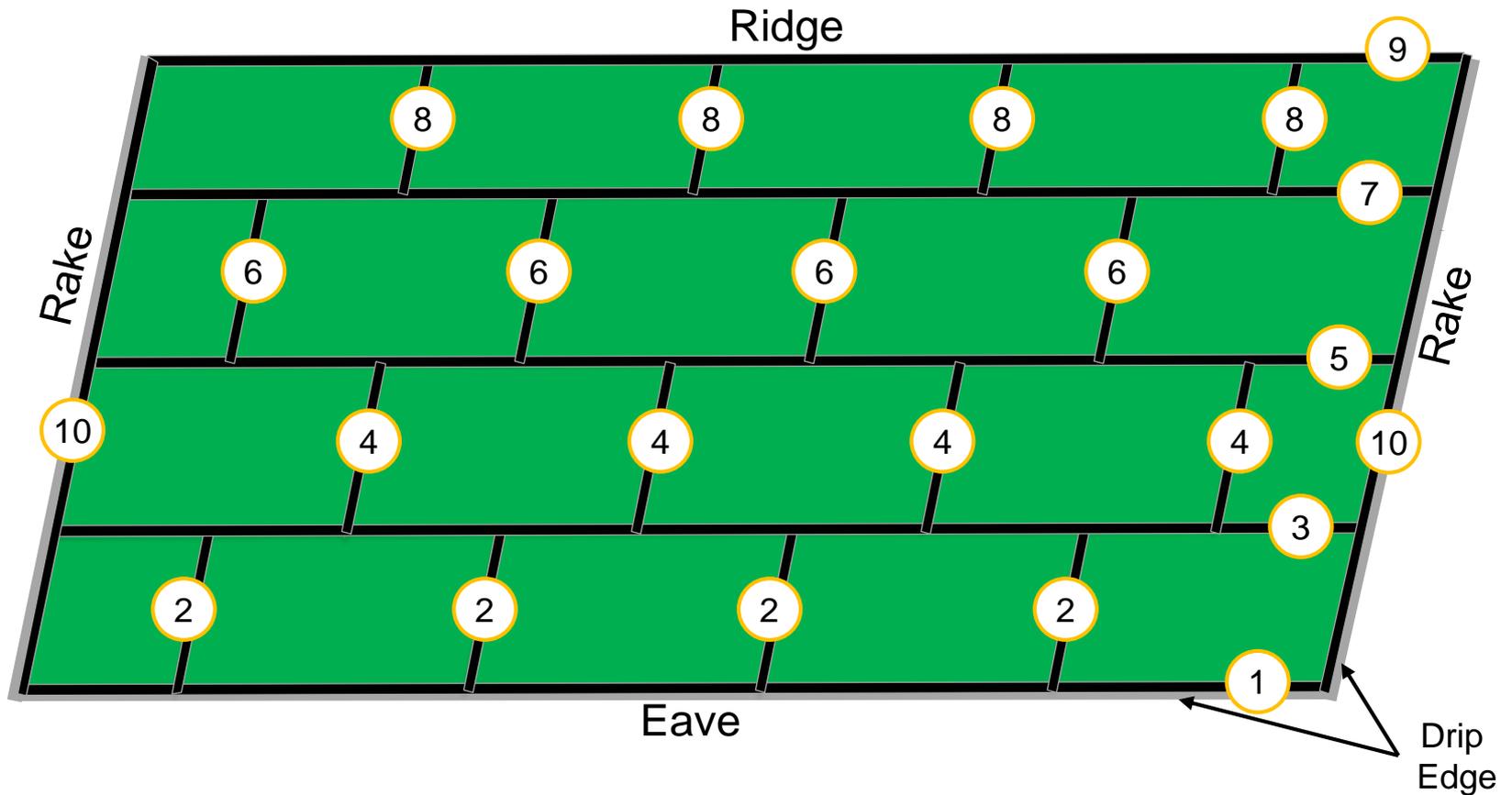


# Other Taping “Rules”

- 🏠 Use the roller to fully adhere the tape to the decking to create a tight seal **with no wrinkles or deformations**
- 🏠 If wrinkles do occur:
  - Roll the wrinkles out using the tape roller or
  - Remove that section of tape and apply a new piece of tape or
  - Place another piece of tape over the wrinkle and roll the tape

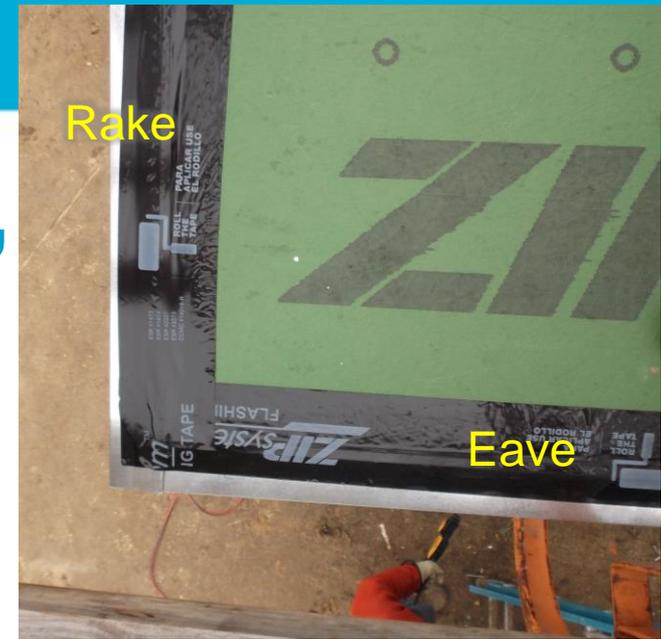


# Taping Sequence



## Other Taping “Rules”

- 🏠 Tape should be flush with the bottom of the horizontal tape and extend approximately 2 inches above the decking seam of the row above
- 🏠 Overlapping the top of the vertical strips
- 🏠 Tape between the roof decking and gable sheathing



# Other Areas to Tape

- 🏠 Damaged areas or nail holes, a minimum of 1-inch around the area
- 🏠 Kick-out flashing
- 🏠 Vent pipes



# Fascia

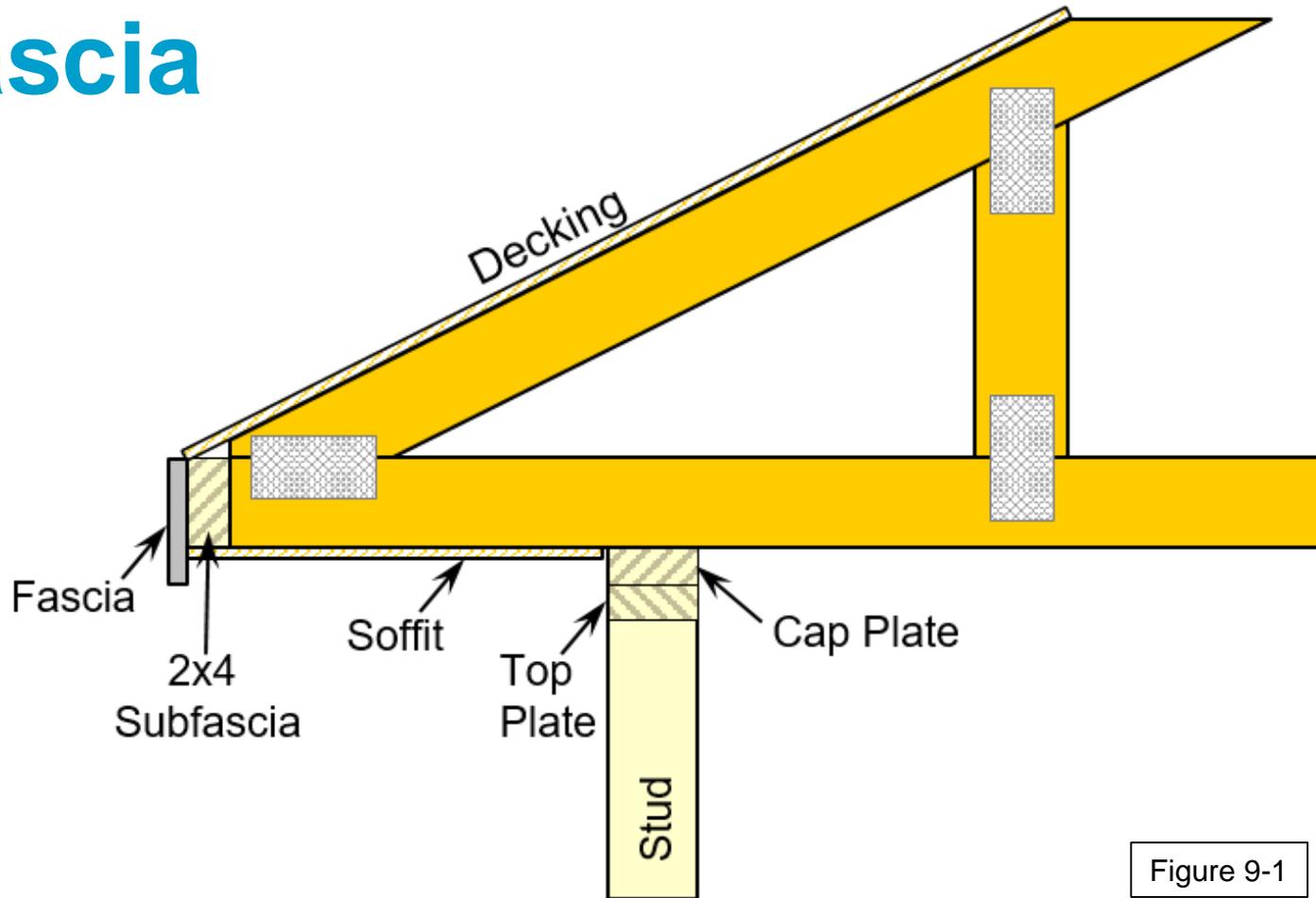


Figure 9-1

# Tools for Fascia

🏠 Hammer

🏠 Measuring Tape

🏠 Speed Square

🏠 Tin Snips

🏠 Miter Saw

🏠 Finish Nail Gun

🏠 Compressor

🏠 Hoses

🏠 Nail Set

🏠 Saw Horses

🏠 Ladders

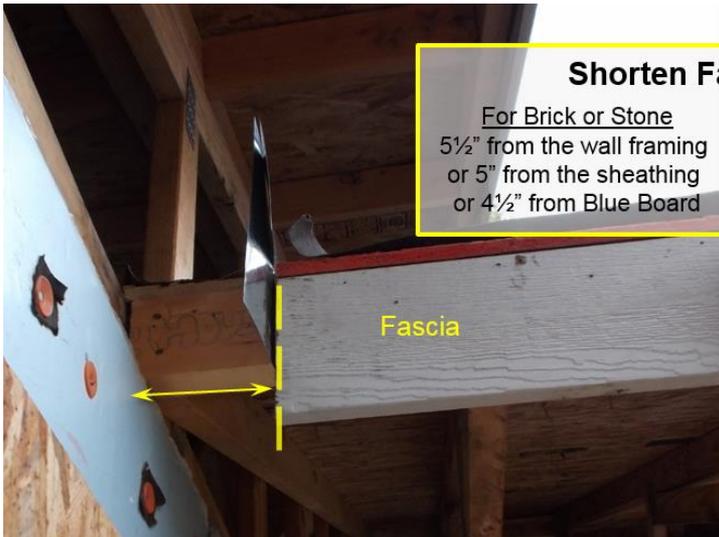
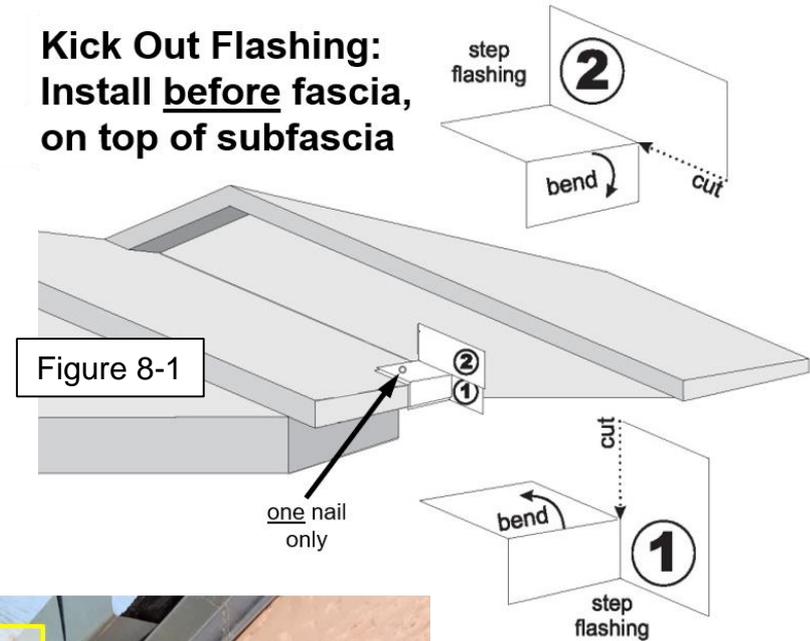
🏠 Extension Ladder(s)

# Nail Gun Safety

- 🏠 Oil nail guns before using
- 🏠 Be sure the safety is working and the nails are being shot to the proper depth
- 🏠 If a nail gun jams, disconnect the air supply hose before attempting to repair the jam
- 🏠 See Pneumatic Tools (and Air Compressors) in Table 2.4 of the Construction Manual for more safety information

# Kick Out Flashing

**Kick Out Flashing:**  
 Install before fascia,  
 on top of subfascia



**Shorten Fascia at Gable:**

<p><u>For Brick or Stone</u>                  5½" from the wall framing                  or 5" from the sheathing                  or 4½" from Blue Board</p>	<p><u>For Siding</u>                  1¼" from the wall framing                  or 1¼" from the sheathing                  or ¾" from Blue Board</p>
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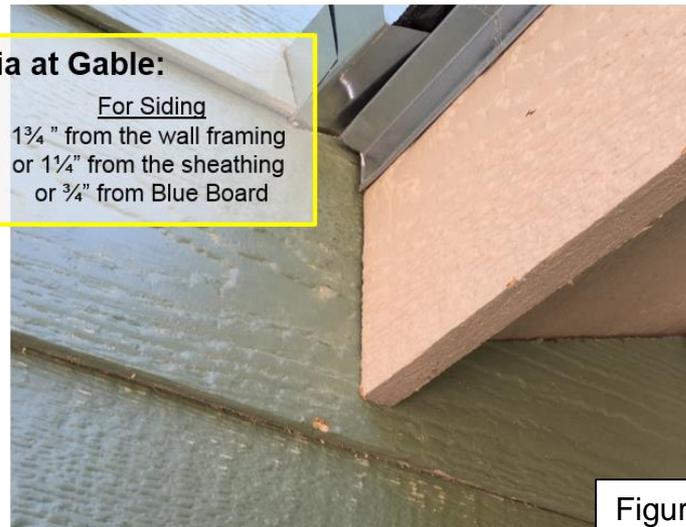
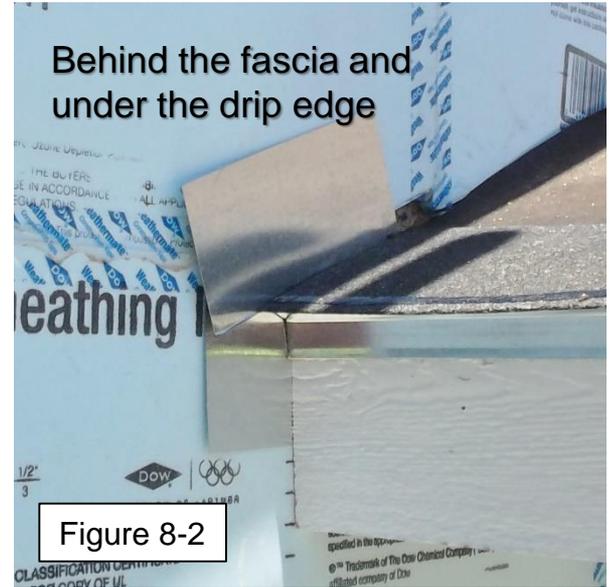
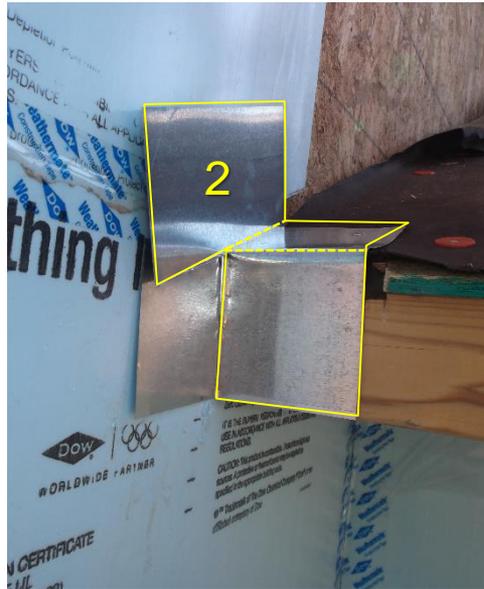
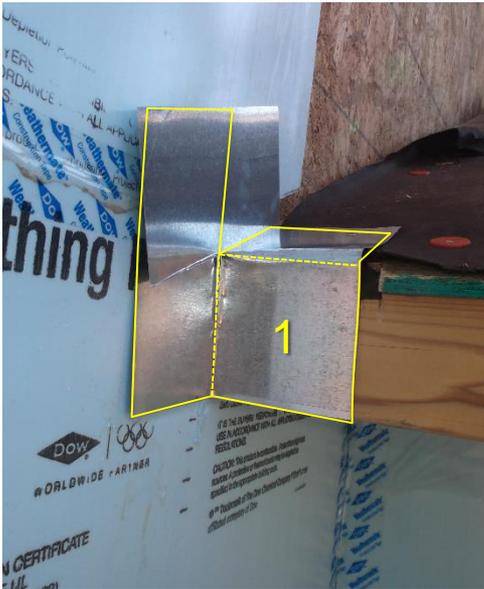


Figure 9-2

# Kick Out Flashing





## Before Installing...

- 🏠 Take time measuring, cutting, and installing trim pieces as they are an integral part of the appearance of the house
- 🏠 When possible, paint the trim before cutting and installing

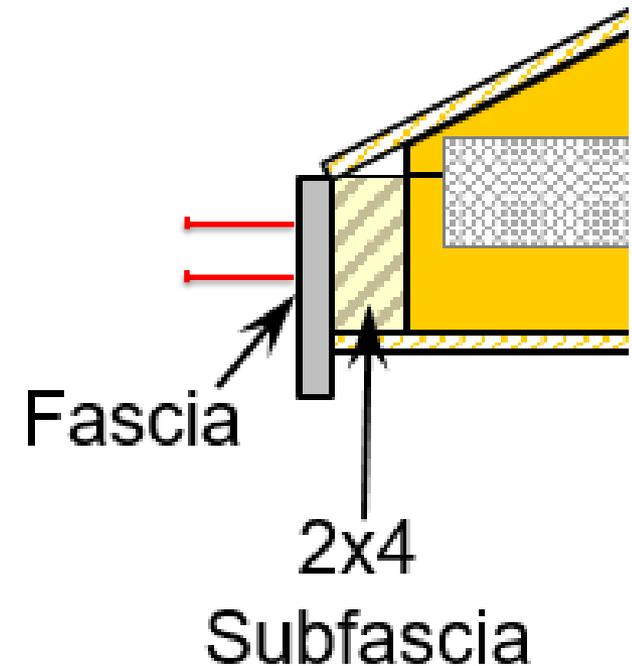
# Fascia Basics

- 🏠 The ends are straight cut, not angled
- 🏠 Prime cut ends
- 🏠 Caulk the joints as the fascia is being installed
- 🏠 Make sure the fascia joint is not over a subfascia joint
- 🏠 No pieces shorter than 4 feet



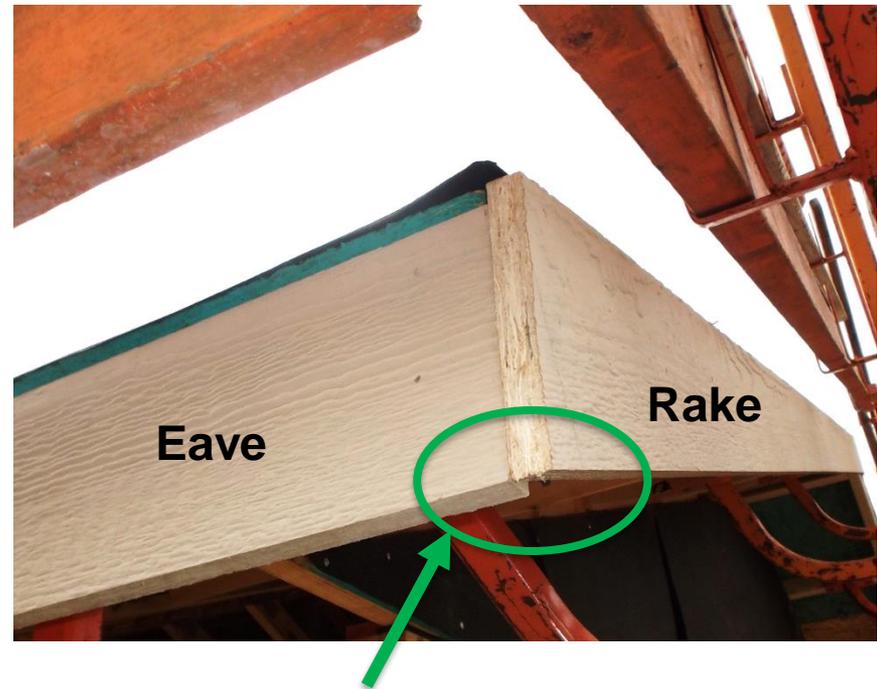
# Fascia Nailing Pattern

- 🏠 Nail in place with 2½-inch finishing nails, one above the other every 24 into every truss tail
- 🏠 Make sure the nails are “set,” i.e., sitting below the surface of the fascia



# Fascia - Eaves

- Start the fascia from the front of the house where the rake and eave meet
- The end of the fascia should be even with the subfascia on the rake



The bottom of the fascia should be relatively flush at the bottom

# Fascia - Rakes

- 🏠 Start the fascia at the eave and work toward the peak
- 🏠 The top of the fascia should be flush with the decking



# What Not to Do...



Fascia should be between ½-inch to 1-inch off the roof decking

# Questions?