

Chapter 5 – Completing Exterior Walls

<p>Cut & Install Foamboard</p>	<ol style="list-style-type: none"> At each wall panel, measure and cut 1" foamboard to fit tightly between the bottom of the wall foamboard and the foundation foamboard. Do the same below any OSB/1/2" foamboard. <p>NOTE: When installing the sill box foamboard, be sure the house wrap is <u>behind</u> the sill box foamboard, leaving the extra wrap protruding from the seam between the bottom of the sill box foamboard and the top of the foundation foamboard.</p> <ul style="list-style-type: none"> ● AIRSEALING TAPE (COMPLETELY COVER TOP OF BUTTON NAILS) ● 1" FOAMBOARD ● SILL BOX ● HOUSEWRAP (1" MIN EXPOSURE) ● AIRSEALING TAPE ~3" LONG, EVERY 6' AT EDGE ● 2" FOUNDATION FOAMBOARD <ol style="list-style-type: none"> Nail with 2" button nails about 8" apart and 2" away from the top and bottom seams of the sill box foamboard. As needed, measure, cut, nail 1" foamboard around porch corners and under door. Fill in gaps at corners. If too narrow to nail, simply tape in place using flashing tape
<p>Tape Seams</p>	<ol style="list-style-type: none"> Tape the seam between the wall foamboard and top of the sill box foamboard with air sealing tape—completely cover the nail buttons above the seam by at least 1/2". <ol style="list-style-type: none"> Ensure the tape is tight to the foamboard above the buttons. Do not use additional row of tape to cover nails below the seam. That is not critical. House wrap must extend at least 1" over surface of foundation foamboard. If not, see Construction Supervisor. Continue taping other seams <u>except</u> for the seam between the sill box foamboard and foundation foamboard. Do not tape the seam where the house wrap emerges from below the sill box foamboard. Instead, tape the bottom of the house wrap to the foundation foamboard every 6' with a 3" piece of air sealing tape just to hold it down. If not already done, fill all exterior corner gaps (both inside and outside corners) with foamboard and tape into place with flashing tape. At other seams, tape shingle style, starting from the bottom, beginning with the horizontal seams, overlapping any vertical seam above. <ol style="list-style-type: none"> When taping horizontal seams, be sure to completely cover button nails above the seams. Only tape button nails at the seams, not in the field.
<p>Cut, Dispose of Scrap Foamboard</p>	<ol style="list-style-type: none"> If not yet done, cut out foamboard around windows and doors. Take time to make square cuts. Fill the inside of window and door headers with 2" of foamboard. Fill any gaps > 1/8" with caulk or spray foam. Cover perimeter and joints with flashing tape. Do not throw ANY foamboard scraps in the dumpster. Set aside in basement or in black plastic bags.

Quality Points

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- Foamboard fits **tightly** between the bottom of the wall foamboard and the foundation foamboard, nailed with 2" button nails about 8" apart and 2" away from the top and bottom seams of the sill box foamboard
- House wrap is behind sill box foamboard and extends at least 1" over foundation foamboard
- There is foamboard around porch corners and under door. Corner gaps are filled and taped.
- Seams are taped, except for seam between sill box foamboard and foundation foamboard
- Bottom of house wrap is taped to foundation foamboard every 6' with air sealing tape
- Foamboard around windows and doors is cut squarely.
- Window and door headers are filled with foam and caulked/foamed and taped