Details That Work
1. Diagonal cuts in Housewrap
   Opening
   Housewrap
   Sill
   Flashing

2. Diagonal cuts in Housewrap
   Opening
   Housewrap
   Installed Sill Flashing

3. Caulking behind window flanges (sides & top)
   Opening
   Window to be installed
   Sill Flashing
   Housewrap

4. Installed window
   Side Flashing Tape
   Side Flashing Tape
   Housewrap

5. Head Flashing Tape
   Side Flashing Tape
   Window
   Side Flashing Tape

6. Housewrap tape over diagonal cuts
   Window
   Housewrap folded down over head flashing tape
   Side Flashing Tape
   Side Flashing Tape

Disclaimer: Details are suggested practices based on industry best practice. Always refer to the manufacturer’s installation instructions for specific application.
** HOUSEWRAP TO BE CUT AND STEP FLASHING TO BE INSTALLED UNDER HOUSEWRAP. HOUSEWRAP THEN TO BE TAPED TO STEP FLASHING.
HOUSEWRAP

RUBBER MEMBRANE FLASHING TO BE INSTALLED BEHIND HOUSEWRAP

RUBBER MEMBRANE FLASHING TO EXTEND OVER DECK LEDGER

HOUSEWRAP

RUBBER MEMBRANE FLASHING TO TUCK UNDER HOUSEWRAP AND EXTEND OVER LEDGER BOARD

SEE LARGER DETAIL ABOVE

FLOOR JOIST

LEDGER BOARD ATTACHMENT PER 2009 IRC TABLE R 602.2.2.1 OR MANUFACTURER'S INSTALLATION INSTRUCTIONS

DECK LEDGER BOARD

DECK JOIST
WINDOW UNIT

SEAL ALL GAPS WITH AN APPROVED EXTERIOR CAULK

1x SILL EXTENSION

PAN FLASHING

WINDOW NAILING FLANGE

2x2 WOOD BLOCKING AROUND WINDOW ROUGH OPENING BLOCKED OUT \( \frac{3}{4} \). TO BE FLUSH WITH EXTERIOR OF RIGID FOAM

HOUSEWRAP

SIDING

RIGID FOAM INSULATION

WOOD STRUCTURAL PANEL AS EXTERIOR SHEATHING

Disclaimer: Details are suggested practices based on industry best practice. Always refer to the manufacturers installation instructions for specific application.

Pennsylvania Housing Research Center
Details That Work

"INNIE" WINDOW SILL DETAIL

PROJECT # Exterior Rigid Foam

DATE: 9.16.14

BY: C.HINE

SHEET 1 of 1
- Continuously operated mechanical exhaust ventilation at a rate of 1 cf/50 sq ft
- Conditioned air supply sized to deliver at a rate equal to 1 cf/50 sq ft

MIN. R-10 INSULATION

6 MIL. POLY TO BE SEALED AND MECHANICALLY FASTENED TO WALL

MIN. 6 MIL. POLYETHYLENE SHEET MATERIAL. OVERLAP TO BE MIN. 6" AT SEAMS AND TO EXTEND UP WALLS MIN. 6"

MIN. 4" CLEAN AGGREGATE

CAST IN PLACE CONCRETE OR CONCRETE MASONRY BLOCK WALL

Grade

Waterproofing below grade

PHRC

Pennsylvania Housing Research Center

Unvented Crawlspace

Details That Work

PROJECT # Crawlspaces

SHEET 1 of 1

DATE: 3.30.15

BY: C.HINE
MIN. R-20 INSULATION

MIN. R-10 ENCAPSULATED (CLASS III VAPOR RETARDER) FIBERGLASS INSULATION. TO EXTEND FROM SILL PLATE TO GRADE. $A+B$ MUST BE GREATER THAN OR EQUAL TO 24"

GRADE

6 MIL. POLY TO BE SEALED AND MECHANICALLY FASTENED TO WALL

WATER PROOFING BELOW GRADE

CAST IN PLACE CONCRETE OR CONCRETE MASONRY BLOCK WALL

MIN. 6 MIL. POLY

MIN. 4" CLEAN AGGREGATE

Disclaimer: Details are suggested practices based on industry best practice. Always refer to the manufacturers installation instructions for specific application.

Pennsylvania Housing Research Center
Details That Work
Unvented Crawlspace
Encapsulated Fiberglass Insulation
PROJECT # Crawlspace
DATE: 3.30.15
BY: CHINE
SHEET 1 of 1
MIN. R-20 INSULATION

MIN. R-10 RIGID INSULATION MECHANICALLY FASTENED TO THE WALL TO EXTEND FROM SILL TO GRADE. A+B MUST BE GREATER THAN OR EQUAL TO 24" (REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS)

6 MIL. POLY TO BE SEALED TO THE WALL PRIOR TO INSTALLATION OF RIGID FOAM

MIN. 6 MIL. POLY

MIN. 4" CLEAN AGGREGATE

CAST IN PLACE CONCRETE OR CONCRETE MASONRY BLOCK WALL

GRADE

WATER PROOFING BELOW GRADE