



State of Ohio
Weatherization Program
Standards

Section	BUILDING SHELL INSTALLATION
Subject	Sidewalls

HAZARDS 302-4.1

Correct any electrical hazard such as bare, frayed, or uninsulated wiring on house connections prior to any other sidewall work.

electric hazards
302-4.1a



Correct any problems at exterior flues, gas or oil lines, or fuel tanks prior to beginning sidewall insulation.

pipng hazards
302-4.1b



Employ appropriate safety measures before setting up near insect, plant, or animal hazards.

health hazards
302-4.1c



Set up ladders in a safe manner, using ladder levelers or other safety devices, to compensate for yard inclines or other physical obstructions to safe ladder use.

ladder safety
302-4.1d



SIDEWALL CONDITION 302-4.2

Note all types of siding material. Note siding material which may contain asbestos. Wherever possible, determine the presence and condition of previous layers of siding or sub-siding. In consultation with the homeowner/authorized agent, determine the best sidewall insulation installation strategy (the "tubing" method or the "two-hole per story" method). As the primary acceptable method, the siding must be lifted or temporarily removed to gain access for drilling. Only after it has been determined by the inspector and insulation crew, in consultation with the homeowner/authorized agent, that the siding cannot or should not be removed, written permission is needed from the homeowner/authorized agent to drill through any type of exterior siding.

siding type
302-4.2a

Ensure that the exterior drill installations have been properly finished and that the final appearance is as close to the original as possible.

exterior finish
302-4.2b

Repair or replace severely deteriorated window or door components as directed by the work order. Replace all missing glass.

**exterior doors &
windows**
302-4.2c

moisture damage

302-4.2d

Determine the source and correct any problem which has led to moisture in wall cavities prior to installing insulation. Repair or replace damaged, rotted, or deteriorated siding to ensure the integrity of the insulation. If any missing siding, flashing, etc. would allow disintegration of installed insulation, replace it with a compatible material.

structural integrity

302-4.2e

Access structural additions and critical junctures to determine the ability of these areas to contain high-density insulation. Correct any openings or gaps prior to installing insulation.

*INTERIOR SURVEY 302-4.3***interior surface**

302-4.3a

Repair or replace weak or damaged drywall or lath and plaster sections. Patch holes in exterior walls. Locate any interior areas of paneling with no sub-wall surface, or that are not securely fastened. Determine an insulation strategy which will not damage the paneling. Repair or replace damaged or missing baseboard, casing, jambs, etc. that may allow insulation to escape from the wall cavity. Holes drilled for insulation must be finished and returned to a condition as close to the original as possible.

interior mechanicals

302-4.3b

Locate the positions of all wall-mounted switches and outlets before beginning insulation work. Locate all chaseways, utility runs, duct runs, wall heaters, vent fan penetrations, etc. prior to insulating. Block around these areas, if possible. If it is not possible to block around an area, avoid that area when insulating.

structural details

302-4.3c

Find any interior soffit areas, pocket doors, or other structural details which may need preparation prior to insulating, and prepare as necessary. Correct all openings at the bottoms of walls and other areas which may allow insulation to escape. Locate critical framing junctures and ensure adequate insulation density.

*INSULATION 302-4.4***install blown insulation**

302-4.4a

Determine the appropriate sidewall insulation technique(s) to be used. Insulate all sidewalls to 3.25-3.75 lbs/ft³ with cellulose insulation, unless a technical barrier prevents this technique. All technical problems must be documented in the client file. When using blown fiberglass, install at a density of 1.6 lb/ft³.

If wall insulation exists, only call for more wall insulation if an evaluation has determined that it will significantly reduce the air leakage or is necessary to address the critical framing junctures.

**install blown
insulation (con't)**
302-4.4a

Insulate open wall cavities as directed. Enclose the cavity so that insulation is not exposed to the living area

**install insulation in
open cavities**
302-4.4b

CERTIFICATE OF INSULATION 302-4.5

Post a consumer information card or certificate of insulation which complies with OAC 109:4-3-14 on, or adjacent to, the electric service panel.

**certificate of
insulation**
302-4.5a