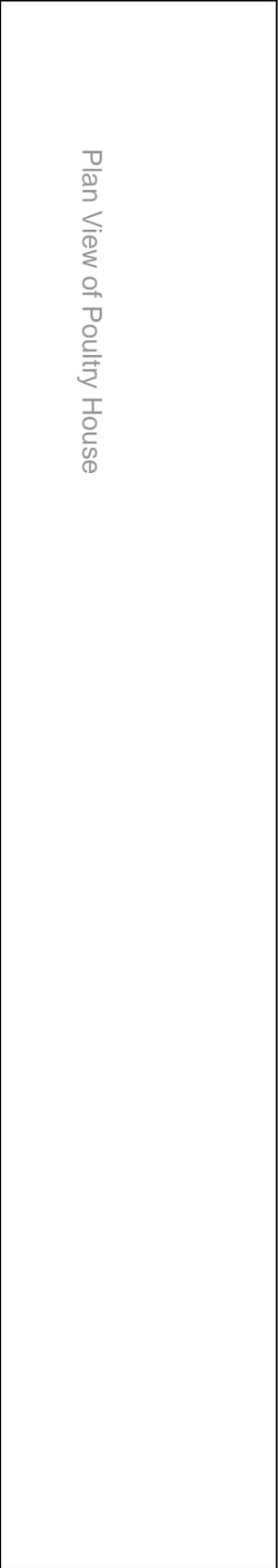


Zone Diagram: Use the plan view below to indicate general zones of similar construction and insulation that will be improved at this time, and label A, B, C, etc. as needed. Indicate NORTH and note the FANS end vs the INLETS end.



Plan View of Poultry House

Description of Existing Building Envelope

(Circle items as appropriate or write-in. You need only describe existing building envelope which will be improved at this time. Make note of zones from above as appropriate.)

Attic/Roof Insulation

- 1) blown-in cellulose, 2) blown-in fiberglass, 3) paper-faced batts, 4) Styrofoam layers, or
- 5) _____

What is typical thickness?

Typical condition: good, light damage, major deterioration

Wall Structure

- 1) framing is the only lumber present in the wall, 2) continuous layer of two-bys, plywood, OSB, or
- 3) _____ What is typical thickness?

Is a window opening present?

Exterior Building Panels

- 1) corrugated sheet metal or 2) _____

Wall Insulation

- 1) nothing, 2) paper-faced batts, 3) sprayed-on cellulose, spray foam, or 4) _____

What is typical thickness?

Typical condition: good, light damage, major deterioration

Insulation Protection: nothing, plywood or OSB, dense spray-foam, or _____

Sealant has been applied to:

- 1) nowhere, 2) junction of wall with stem wall (footing), 3) eaves, 4) gable ends, 5) ridge cap,
- 6) miscellaneous holes, 7) around door frames, 8) around fan housings, 9) _____

Additional Information

Design and Description of Improvements

Provide specification sheet to producer and discuss.

- How will the attic/roof insulation be improved?
- How will the wall structure and insulation be improved?
- Where will sealant be applied?

Include here any design guidance details, such as the required added R-value for the attic (and the associated inches or bags of insulation required) etc.

Confirm the producer's desired method of wall insulation or sidewall renovation. Initiate engineer concurrence if necessary.

Producer and Contract No. _____

ID of Poultry House _____

Width: _____ (ft) Length: _____ (ft)

Area: _____ (sf)

Checkout Actions

Attic Insulation

- 1) Review the practice specifications.
- 2) Verify and record the nominal length, width, and area of the building.
- 3) Determine the average depth of added insulation across the building attic using one of the following methods:
 - a. an estimate of the blown-in-place volume of each bag, a tally of the number of bags used for the house, and a calculation of the average depth across the attic, OR
 - b. an in-the-attic ruler measurement of the average depth of insulation added.

FEATURE MEASURE:
NOMINAL AREA OF BUILDING IN SQUARE FEET

Installed Depth of Attic Insulation

Tables for required depth of insulation to add for common attic loose-fill insulation materials have been calculated and filed in eFOTG. For un-common materials, request Application Coverage Chart from packaging or material spec sheet. If R15 depth is not on table, ask engineer for worksheet to interpolate for R15 depth and the associated in-place volume (CF/bag).

Number of Bags Blown into Building	x	In-Place Volume (cf/bag)	/	Building Area (sf)	x 12 =	Average Depth Across Building (inches)
					(in/ft)	

Wall Insulation

- 1) Review the practice specifications.
- 2) Verify that substrate to which insulation was attached is in good condition. This means that degraded insulation, lumber, other materials, and dust was removed before installation of new insulation.
- 3) Verify that a layer was installed to provide physical protection for the insulation.
- 4) Measure the length and vertical height of the walls insulated, and calculate the total area. Exclusions which are equal to or smaller than a single common door or fan need not be deducted.

FEATURE MEASURE:
WALL AREA REBUILT/REINSULATED IN SQUARE FEET

Sidewall Renovation

- 1) Review the practice specifications.
- 2) Verify that a permanent exterior siding was installed
- 3) Verify that rotten or degraded insulation was removed and replaced with new insulation.
- 4) Verify that a layer was installed to provide physical protection for the insulation.
- 5) Measure the length and vertical height of the walls renovated, and calculate the total area. Exclusions which are equal to or smaller than a single common door or fan need not be deducted.

FEATURE MEASURE:
WALL AREA REBUILT/REINSULATED IN SQUARE FEET

Sealant

- 1) Review the practice specifications.
- 2) Verify that that sealing lines or areas were cleaned before application of the sealant.
- 3) Verify that that sealant within reach of animal production is resilient to animal pecking and biting.
- 4) Verify and record the length of the house.

FEATURE MEASURE:
NOMINAL LENGTH OF BUILDING IN FEET

Roll-Up (Vehicular) Door

- 1) Review the practice specifications.
- 2) Verify that frame of door was caulked or sealed to house frame, and verify that door members (or layers) seal to door frame.
- 3) Note quantity of doors installed.

FEATURE MEASURE:
NUMBER OF DOORS

Checkout

Pictures are recommended to supplement the documentation of installations.

I certify that I have visually confirmed on-site that the conservation energy improvement(s) was installed and that the improvement(s) meets NRCS minimum specifications. I have examined invoices for the materials purchased and work performed and filed copies in the participant case file.

Authorized NRCS Agent

Date