

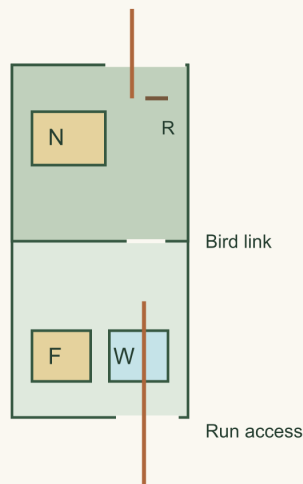
Fixed A-Frame

A low fixed form with exterior service access

Check the space at equipment height and the full opening movement before committing to the sloped shell.

D · D04 A / everyday

Stand behind



Included

- Outside envelope and slope section
- Two care arrangements
- Full-size fitting trial and material scope

Still to resolve

- Final sloped frame and roof connections
- Service-panel hardware and weather joints
- Quantity-led BOM and member cuts

N nest · F feed · W water · amber keeper approach

Fittings and openings are editorial reserves, not measured parts.

Zones scaled to total 4 ft × 8 ft

Editorial study · check assumptions on the page

The published outside envelope is 4 x 8 ft. The current study assumes a 44 in shelter base and 56 in inner apex with straight slopes. These are editorial dimensions, not a released frame or saw-cut template.

Drawing basis: a-frame-editorial-4.2.0

Current design: <https://www.coopblueprints.com/plans/3-5-chicken-a-frame>

Materials with a job to do

Split each group into product lines. Quantities follow the reviewed drawings, measurements and selected products.

AF-01 Base and sloped frame

Purpose: Define the fixed body and the space beneath the sloping sides.

Order units: Base and sloped members: pieces by section and blank length.

Request: Request final member sizes, material grades, ridge/base connections and an identified drawing for sloped cuts; a silhouette is insufficient for quoting cuts.

Quantity basis: Resolve the actual outside/inside frame, member thickness and shelter/run division before choosing timber.

Decision: A slope drawn through the assumed section is not a rafter specification. Do not derive saw angles from the concept picture.

Check supplied items: Check supplied sections and blank lengths against the frame schedule. Keep any unconfirmed sloped cut marked pending before machining.

AF-02 Roof skin and ridge/end closures

Purpose: Weather the shelter without leaving uninspectable joints at the base or ends.

Order units: Roof faces: sheets by effective cover; ridge and end closures: lengths.

Request: Request developed-face coverage, ridge/end profiles, compatible fasteners and weather-junction instructions for the selected roof product.

Quantity basis: Measure developed roof faces, ridge length, end treatment and selected product overlaps after the frame is fixed.

Decision: Separate the shelter's weather skin from the front run enclosure; detail their transition explicitly.

Check supplied items: Check both roof-face quantities and the separate ridge/end components. Verify matching profiles instead of accepting visually similar trim.

AF-03 Side service panels and hold-open hardware

Purpose: Expose the low floor and allow fittings to leave the shell.

Order units: Each service panel: one assembly; hinges, stays and latches: itemized.

Request: Provide the proposed panel weight and full open position. Request compatible hold-open hardware, attachment requirements and keeper-access dimensions.

Quantity basis: Record panel weight, hinge location, open sweep and the keeper's standing space.

Decision: Choose a reviewed hold-open arrangement. An open panel drawn in an illustration does not establish its restraint.

Check supplied items: Check handedness, hardware models and included fixings. Confirm the specified backing can be identified on the current panel drawing.

Receipt checks compare supplied items with the agreed request; they do not establish structural or handling performance.

Complete the material request

Split each group into product lines. Quantities follow the reviewed drawings, measurements and selected products.

AF-04 Nests, roosts and removable lining

Purpose: Arrange equipment within the narrowing cross-section.

Order units: Nests and roosts: assemblies or scheduled pieces; lining: removable sections.

Request: Request closed, open and removal envelopes for each fitting, including lid height and handles. Compare these with the section at their actual height.

Quantity basis: Measure at the height of the complete fitting, including a lid, handle or removal lift.

Decision: An item can fit on the base and still collide with the roof above. Check the section before the material order.

Check supplied items: Compare the delivered dimensions with the section trial. Identify any changed lid, handle or retainer before fixing it beneath the slope.

AF-05 Front run mesh and base closure

Purpose: Connect the open zone to the shelter and ground boundary.

Order units: Mesh: rolls or panels; triangular offcuts and edge attachments: separate.

Request: Specify mesh aperture, wire diameter, coating and stock size. Request the chosen edge-attachment components for triangular ends and moving openings.

Quantity basis: Measure triangular end faces, side faces, openings and overlaps separately.

Decision: Keep the fixed design's ground and access details separate from mobile-coop assumptions.

Check supplied items: Check the labelled specification and usable stock dimensions. Match edge components to the end-face and opening details before cutting mesh.

Use the CSV with this workbook

Split a group into order lines: The five groups organize the work. Copy a group into separate product rows when sizes, models or purchase units differ; keep its Scope ID on every copied row.

Keep quantities traceable: Enter quantity and unit together, with the measured sketch or drawing revision and quote reference. Leave an unknown quantity blank and set its review status to Pending details; blank is not zero.

Reconcile before ordering: Name the exact product and record unresolved substitutions or excluded parts. Record who checked the line and when. Update affected quantities whenever the drawing or product changes.

Illustrative entry / AF-04 / Pending details

Scope ID: AF-04. Unit: nest assembly. Selected product: not selected. Reviewed quantity: blank. Measurement / quote source: section trial A (fictional example). Notes: proposed lid meets the slope; opening and removal envelope unresolved. Next check / owner: obtain full product dimensions and repeat the revised-position trial / project owner.

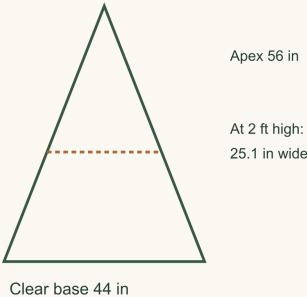
Next: Request the full product dimensions, revise the position and repeat the section trial.

Make a full-size slope template

Test the actual nest or container against a section, including the space needed to lift it out.

Have ready: Cardboard, tape and measuring tools; A straightedge; The intended fitting or a full-size lightweight mock-up

C · Same base, different clear heights



Assumed inner slopes: 56 in apex / 44 in base.
Height narrows toward the sides; usable bird area is unverified.

Editorial study · check assumptions on the page

1. Draw the chosen section at full size. If using the study's 44 in base and 56 in apex, label both as assumptions until a final shell is designed.
2. Place the full fitting envelope at its planned height. The study's straight-slope width is $44 \times (1 - \text{height} / 56)$, with all values in inches.
3. Open the lid and trace the lift/removal path. Mark where the object or keeper's hand first meets the slope.
4. Adjust the fitting position or access panel and repeat. Transfer the successful arrangement to a final framing design before using it for cuts.

The slope section is an editorial fitting study. It is useful for a mock-up, not for structural fabrication.

Section source and assumed dimensions

Fitting height and maximum open envelope

Clearance conflict and chosen revision

Work in a useful order

Keep this record with the current design. For reference designs, these are preparation steps, not construction instructions.

1. Read the section first

Compare the assumed base width with the narrowing width at the proposed fitting height.

Check: The complete equipment envelope, including opening movement, stays inside the reviewed shell.

2. Try exterior reach

Make the full-size section trial below and use the intended collection and cleaning tools.

Check: Low corners can be reached without an unsupported panel being used as a platform.

3. Resolve the shell and panels

Develop the frame, weather skin, service openings and hinge restraints around the chosen arrangement.

Check: Each panel has a closed weather detail and a defined open position.

4. Coordinate the run and ground

Record the shelter/run connection and all base boundaries before preparing quantities.

Check: The bird route, keeper approach and surface-removal route remain accessible.

Next decision / person or source to consult

Related guide: <https://www.coopblueprints.com/inside-chicken-coop/nesting-boxes>

This companion records design preparation and internally reviewed references. No field build, universal flock capacity or site-specific structural approval is claimed.

A box fits at floor level but its lid meets the slope

Assume a nest-box footprint fits within an A-frame base, but a full-size section template meets the roof slope when its lid opens. These are fictional placement observations, not a product fit claim.

1. Measure at operating height

Mark the closed box, fully open lid and lining-removal path on the section. Base width alone cannot describe the space available at those heights.

2. Compare complete placements

Try a location closer to the centre, then redraw the keeper route and bird approach. If that blocks service, compare a different box or a vertical-wall form.

3. Test the larger cleaning movement

Rehearse complete lining removal and rear-corner reach, then normal closure. Record the first interference rather than only the distance at the floor.

Decision and record

Reject the original placement for lid interference. Keep the revised section and service trial with the selected product dimensions; supports, weather edges and finished openings remain design work.

Your site: changed condition / next check / person responsible

Illustrative decision exercise, not a reported field test. Drawing basis: a-frame-editorial-4.2.0