



Project materials checklist

12 x 13 ft enclosed shed + 10 x 12 ft covered run. Check items as you obtain them. This blank PDF has clickable checkboxes; use the website's Print / Save PDF action to include your saved web checks.

Quantities describe the proposed layout. Net areas exclude laps, trim losses and waste unless stated. Final design / field measure means the item belongs in the project but its order quantity or size still needs confirmation. Structural member sizes and connections must be resolved before ordering.

01 Site, foundation & raised floor

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| ☐ | Drainage and bearing-base materials | TBD by site design |
| | Aggregate, drainage components and any specified geotextile. Footprint alone does not determine excavation depth or aggregate volume. | |
| ☐ | Footings, reinforcement and foundation materials | Count, sizes and material volumes TBD |
| | Choose one approved foundation system. Soil, slope, frost and uplift determine footings, concrete/reinforcement or specified units and formwork. Include shed and run; the model block count is illustrative. | |
| ☐ | Anchors, post bases and bearing isolation | TBD by connection schedule |
| | Designed roof-to-soil load path, compatible anchors/bases and required capillary breaks or bearing pads. Listed fasteners and exposure-appropriate corrosion protection; quantities from connection schedule. | |
| ☐ | Floor beams, joists, rims and blocking | Size, length and count TBD |
| | Complete designed floor framing for mower/rider/attachments, storage and individual wheel loads. Sections, lengths, spacing, panel-edge support and member counts TBD; model meshes are not an order list. | |
| ☐ | Mower threshold and ramp bearing support | 1 opening; member quantities TBD |
| | Support the full confirmed doorway and ramp reactions; siding or unsupported panel edges are not bearing members. | |
| ☐ | APA-rated tongue-and-groove subfloor | 6 sheets · 4 × 8 ft planning allowance |
| | 156 sq ft nominal floor; 192 sq ft purchased. Source proposes 23/32 in T&G, subject to actual wheel loads, joist spacing, support and panel rating. Approximately 23% area allowance is not a validated cutting layout. | |
| ☐ | Subfloor adhesive and specified floor-panel fasteners | TBD by approved panel schedule |
| | Use a compatible adhesive where specified and the designed nail/screw type and spacing. Account for panel joints and threshold edges. | |

02 Wall framing & partition

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| ☐ | Nominal 2 × 4 front/rear bottom and first top plates | 4 pieces · 144 in each |
| | Actual section assumed 1½ × 3½ in. Bottom plates are full assembly blanks; remove the confirmed rear pop-door threshold after assembly. Allow stock trimming and kerf. | |



☐	Nominal 2 × 4 side bottom and first top plates Fit between front/rear frames. Remove the confirmed mower-door threshold after assembly. Stock lengths must exceed usable cut lengths after trimming.	4 pieces · 149 in each
☐	Nominal 2 × 4 side second top plates Upper layer laps over the front/rear walls; confirm connections and bracing.	2 pieces · 156 in each
☐	Nominal 2 × 4 front/rear upper and partition plates Two front/rear second top plates plus partition bottom and two top plates. Confirm partition connection and remove its door threshold only after framing.	5 pieces · 137 in each
☐	Wall studs and full-height king studs 96 in wall minus 1½ in sole plate and 3 in double top plate. The 52 base grid positions are not 52 full studs to buy: replace affected positions and add required opening, corner and intersection members.	91½ in proposed cut; final count TBD
☐	Wall blocking, corner backing and partition nailers A regular 16 in center bay gives 14½ in blocking; measure actual end/opening bays. Include finish-panel support, fixture mounting and intersections.	Final count and lengths TBD
☐	Headers, jack studs, sills and cripples Mower entry, partition service door, egg hatch, rear pop door and retained vent. Header sections, bearing, jack counts and product rough openings TBD. Retained vent head is 92 in above deck, only 1 in below plates: relocate or resolve its header detail first.	TBD for 5 enclosed-wall openings
☐	Front/rear gable and partition infill framing Two exterior gables plus sealed partition to roof underside. Real truss heel, bracing and roof-ventilation path govern the infill.	3 infill planes; timber cuts TBD
☐	Braced-wall hardware, hold-downs and straps Include the short wall segments beside the 72 in mower opening and all specified plate/intersection connections.	TBD by structural layout

03 Wall panels, siding & linings

☐	APA-rated structural wall sheathing 436 sq ft gross walls/gables; 480 sq ft purchased (about 10% area allowance). Final thickness, rating, orientation, edge support and nailing remain to be specified. Do not subtract openings blindly from sheet orders.	15 sheets · 4 × 8 ft planning allowance
☐	Weather-resistive barrier and seam tape Gross exterior area is 436 sq ft. Verify product net coverage, laps and opening returns; this allowance is separate from siding.	About 480 sq ft barrier allowance; tape TBD
☐	Exterior siding 436 sq ft gross; revised net opaque wall area about 393.3 sq ft after mower door, pop door and one vent. Profile coverage, door-leaf cladding, trim and cutting layout govern the final order.	About 480 sq ft planning allowance



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| ☐ | Partition lining on both full-height faces | 8 sheets · 4 × 8 ft planning allowance |
| <p>228 sq ft gross; about 189.7 sq ft net after the 30 × 80 door and 36 × 10 hatch on both faces. Source uses ½ in lining. Complete the triangular separation and fit around the roof assembly; confirm actual sheet layout.</p> | | |
| ☐ | Other coop wall lining | 7 sheets · 4 × 8 ft planning allowance |
| <p>Nominal three-wall plus rear-gable coverage is 183.3 sq ft gross, now 180.7 sq ft net after one vent and pop door. This replaces the obsolete 171.3 sq ft figure from the two-window/two-vent design. Includes about 224 sq ft purchased; verify clear-face cut layout.</p> | | |
| ☐ | Wall trim, opening flashing and transition tapes | 3 exterior openings + corners/base; quantities TBD |
| <p>Mower entry, pop door and retained vent: head/sill/jamb flashing, compatible sill pans/tapes, siding corners, bases and trim. Verify selected profiles and lengths. No window trim remains.</p> | | |
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04 Continuous metal roof

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| ☐ | Designed roof package, bracing and connectors | Supplier-designed count and sizes TBD |
| <p>12 ft nominal span, 6:12 pitch, 23 ft structure and 12 in horizontal overhangs; no attic storage. Include temporary/permanent restraint, gable and run-transition connections. Supplier sets member/count/fastener schedule; schematic spacing is not an order quantity.</p> | | |
| ☐ | APA-rated roof sheathing | 15 sheets · 4 × 8 ft planning allowance |
| <p>391.3 sq ft sloped surface; 480 sq ft purchased (about 23% area allowance). Source proposes 15/32 in sheathing; thickness/rating and supports require approval for actual loads.</p> | | |
| ☐ | Compatible roof underlayment | About 430-450 sq ft planning allowance |
| <p>391.3 sq ft geometric area before laps, rolls and waste. Follow the selected metal-roof system and any required eave membrane detail.</p> | | |
| ☐ | Metal roof panels | About 430-450 sq ft planning allowance |
| <p>Two roof planes; supplier panel lengths, effective cover width, side/end laps and fastener pattern determine the order. No profile, gauge or panel cut schedule is approved.</p> | | |
| ☐ | Eave/rake trim and ridge cap | About 90 ft edges + 28 ft ridge allowance |
| <p>Measured geometry: 50 ft eaves + 31.3 ft rakes = 81.3 ft edges, plus 25 ft ridge. Allowance includes extra length for laps/returns; chosen profiles and effective stock coverage govern final counts.</p> | | |
| ☐ | Fascia, bargeboards and edge backing | Up to 81.3 ft edge run; final assembly TBD |
| <p>Measure the chosen eave/rake treatment; board sections, joints, overhang backing and closures are not sized by the model. Separate from metal trim.</p> | | |
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| ☐ | Roof closures, seals and ventilation/condensation assembly | TBD by roofing manufacturer |
| <p>Specify compatible profile closures, butyl/sealants and required ventilation or condensation-control components. Close animal-accessible corrugation gaps. Roof ventilation is separate from coop airflow; preserve the route through the partition junction.</p> | | |
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05 Run supports & screening

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| ☐ | Run posts, roof beams and gate latch jamb | 6 conceptual post stations; 2 beam lines; design quantities TBD |
| <p>Concept stations at 13/18/23 ft on both sides; two nominal 10 ft roof-beam lines and a separate gate latch jamb. Final sections, plies, cuts, counts, footings and connections require design. Drawn member thicknesses are not specifications.</p> | | |
| ☐ | Run lateral braces and mesh-edge framing | TBD by final support and panel layout |
| <p>Include bracing against racking, gate support and backing at every mesh seam/edge and gable closure.</p> | | |
| ☐ | ½ in hardware cloth - combined project allowance | 371.3 sq ft measured subtotal; about 450 sq ft provisional allowance |
| <p>288 sq ft run walls INCLUDING gate, 18 sq ft rear gable, 64 sq ft rectangular apron strips, 1.3 sq ft retained vent. Subtotal excludes seams, fastening returns, corner/apron infill and waste. Do not add gate mesh again. Roll widths, actual roof height and overlap layout govern purchasing; gauge/coating remain to be chosen.</p> | | |
| ☐ | 24 in apron fastening and edge/corner treatment | 32 ft exposed perimeter; hardware quantity TBD |
| <p>Apron mesh is already included in the combined allowance. Provide continuous shed returns and rear-corner treatment; 64 sq ft counts only rectangular strips before corner infill or laps. Include secure pins/anchors and protective cover as designed.</p> | | |
| ☐ | Mesh-capture battens or designed washer fastening | TBD from roll/seam layout |
| <p>Support and capture edges, overlaps, gate perimeter and closures. Fastener type/spacing depends on the mesh, frame and exposure; do not assume staples alone are the primary attachment.</p> | | |
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06 Doors, hatch, gate & vent

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| ☐ | Mower double-door assembly | 1 assembly · 2 leaves |
| <p>72 × 80 in clear target. Final leaf, frame, jamb, gap, diagonal-brace and skin cuts follow the approved opening and hardware; nominal clear width is not a ready-made unit size.</p> | | |
| ☐ | Interior coop service door | 1 assembly |
| <p>30 × 80 in clear target. Include jamb, stops and latch; swings into coop without hitting fixtures.</p> | | |
| ☐ | Gasketed egg-collection hatch | 1 assembly |
| <p>36 × 10 in clear target. Fit leaf, cleats and gasket after partition/nest-bank coordination; hatch height is a planning choice.</p> | | |
| ☐ | Solid sliding chicken-door panel | 1 assembly |
| <p>12 × 16 in clear target. Final panel must include required overlap, retained guides, travel space, stops and positive mechanical latch.</p> | | |
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| ☐ | Run gate frame and diagonal brace | 1 assembly |
| | 36 × 80 in clear target. Actual posts/jambes and hardware reduce a nominal grid bay; finalize clear width, frame joinery and cuts. Gate mesh is included in the combined mesh allowance. | |
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| ☐ | Opposite-side screened high vent with weather protection | 1 assembly · 24 × 8 in nominal opening |
| | Opposite/right side retained as requested. Gross opening area 1.33 sq ft; actual free area lower. Confirm flock/climate ventilation and resolve existing header-space conflict. Mesh included in combined allowance. | |
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| ☐ | Hinges and mower-door hold-opens | 5 hinged leaves/frames + 2 hold-open locations |
| | Two mower leaves, coop door, gate and hatch require weight/exposure-rated hinges and backing; number of hinges per leaf TBD. Secure both mower leaves clear of the ramp. | |
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| ☐ | Latches, guides, handles, stops and seals | Hardware sets for 5 door/gate/hatch assemblies |
| | Include mower active/passive-leaf hardware, coop latch, gate secure latch with inside release, hatch latch/support/gasket, and pop-door captured guides/stops/positive lock. Fit weather/dust seals and thresholds to selected assemblies; component counts TBD. | |
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07 Coop fixtures & ramps

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| ☐ | Nest-bank plywood and panel cuts | 1 sheet · 4 × 8 ft allowance; 10 listed cut pieces |
| | True-½-in schedule; 2 top/bottom 38 × 12½; 4 sides/dividers 12 × 12; 1 rear blank 38 × 12; 3 lips 12 × 3 in. Total 14.51 sq ft before kerf. Measure actual ply thickness and use adjusted guide formulas; coordinate hatch access. | |
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| ☐ | Nest/roost mounting, sloped cap and removable boards | TBD after framing and fixture fit |
| | Include mounting cleats, bird/fixture-rated support, removable nest cap and droppings boards. Field-fit after framing; bank approximately 38 × 12½ × 13 in at true ½ in. Nest floor about 12 in, roost about 24 in above deck. | |
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| ☐ | Smooth untreated nominal 2 × 4 roost | 1 piece · 72 in |
| | Lay flat, ease edges, mount removably about 24 in above deck with suitable supports. Fixture choice and length depend on actual flock/breed. | |
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| ☐ | Feeders, waterers and starter bedding | TBD by flock and care setup |
| | Allow clear floor/maintenance space; these operational items are not dimensioned in the construction model. | |
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| ☐ | Mower ramp stringers/joists, landings and restraint | TBD by wheel-load design |
| | Planning width 84 in, horizontal projection 72 in, rise 12 in. Confirm mower limits, breakover, actual deck height and supported spans before sizing or cutting. | |
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| ☐ | Mower ramp deck/surface material | 42.6 sq ft geometric slope area; stock quantity TBD |
| | 7 ft × $\sqrt{(6^2 + 1^2)}$ ft. Deck system, thickness, supports, cutting layout and exterior durability remain to be selected; area excludes waste. | |
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| ☐ | Ramp traction, threshold transition and fixing hardware | 1 ramp assembly;
component quantities TBD |
| <p>Provide compatible anti-slip treatment and supported transitions; do not add arbitrary cleats that conflict with the mower.</p> | | |
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| ☐ | Removable chicken ramp and traction cleats | 1 illustrated fixture; cuts to
field fit |
| <p>Connect pop-door threshold to run grade without blocking door travel. Actual length depends on deck elevation, grade and bird needs.</p> | | |
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08 Fasteners, sealants & finishes

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| ☐ | Structural framing and connector fasteners | TBD by fastening and
connection schedules |
| <p>Wall, roof, floor, run and ramp schedules determine count/type. Use connector-listed fasteners and coatings compatible with specified treatment/exposure. No drywall/deck-screw substitutions; floor-panel fasteners are listed with the floor.</p> | | |
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| ☐ | Sheathing, siding, roofing and fixture fixings | TBD by product area and
fastening patterns |
| <p>Use separate manufacturer schedules for panels/siding, metal-roof screws/washers and removable fixture hardware. Counts and spacing TBD. Avoid duplicating fasteners supplied with roof/mesh/door packages.</p> | | |
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| ☐ | Exterior primer, paint/stain and cut-edge sealer | Coverage to calculate from
selected product |
| <p>Revised net opaque wall area is about 393.3 sq ft before doors, trim and multiple coats. Include exposed edges, door skins and any uncoated exterior wood separately; do not convert area to gallons without label coverage.</p> | | |
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| ☐ | Compatible cleanable coop wall/floor finish | Coverage and coats TBD |
| <p>Coop floor is about 43.2 sq ft clear before fixtures. Partition coop face is about 94.8 sq ft nominal net; other coop walls about 180.7 sq ft nominal net. Calculate actual exposed surfaces and required coats; fully cure before use.</p> | | |
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| ☐ | Compatible joint sealants, gaskets and cut-edge protection | TBD by finished joint
lengths |
| <p>Field-measure partition joints, exposed panel/cut edges and flashing interfaces; preserve required air routes. Specify treatment/use category and compatible coatings for actual exposure. Do not duplicate specialty sealants already included in roof/door systems.</p> | | |
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09 Optional scope & final decisions

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| ☐ | Eave gutters, outlets and downspouts | 50 ft gutter run if both
eaves are fitted;
accessories TBD |
| <p>Optional source provision. Final outlets and drainage routes must keep runoff away from ramp, gate and foundations.</p> | | |
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| ☐ | Optional storage exterior-wall interior lining | Not included in base
allowance; TBD if wanted |
| <p>The 3D illustration shows interior wall skins more broadly than the source procurement list. Partition lining is included above; lining the remaining storage walls needs a separate measured cut map.</p> | | |
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**Lighting, outlets or automatic door power****Outside base scope;
separate design required**

Select supply, protection, damp-location equipment and installation only if requested. No wiring quantities or electrical plans are provided.

**Additional ventilation if the retained vent is insufficient****Design decision pending**

Removing both windows and one vent reduces gross direct coop opening area from 10.67 to 1.33 sq ft. The checklist does not certify that this serves the flock/climate; resolve passive or mechanical provision before closing walls.

**Approach paving, drainage extensions and landscaping****Outside measured building
quantities**

Allow room for the mower approach, turning, door swing and level run/ramp access; quantities depend on the actual site.

Before ordering

Confirm product coverage, fastener schedules, lumber grade/treatment, actual plywood thickness, opening sizes, hardware clearances and site conditions. The 3D model is a layout study. Use the framing guide for the stated plate convention and nest-box cuts; this checklist does not establish structural capacity. Optional items are identified in their rows.