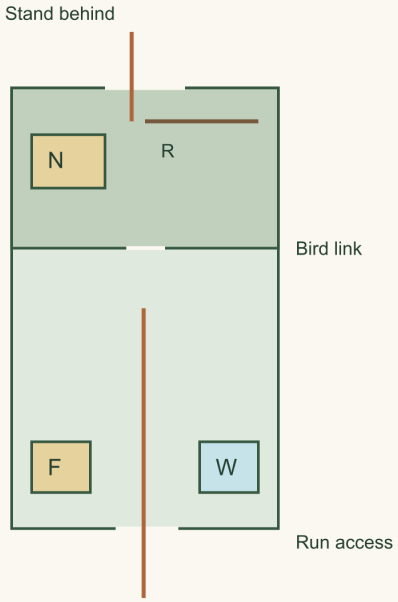
Tractor

A mobile-form reference requiring a handling design

Separate the parked footprint, movement route and hardware decisions before treating this form as movable.

D · D05 A / everyday



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

Movement state B adds route and parking checks; see text.

Relationship only: internal split and scale are unspecified

Editorial study · check assumptions on the page

Included

- Parked outside envelope
- Schematic operation alternatives
- Hardware questions and parking-route record

Still to resolve

- Final shell dimensions and mass
- Wheel/axle/handle design and handling validation
- Quantity-led BOM and member cuts

Only the 4 x 10 ft parked outside envelope is fixed. The shelter/run split, interior dimensions, mass, handling force and slope capability remain unverified. This is a preparation workbook, not a build or movement instruction for the illustrated assembly.

Drawing basis: tractor-editorial-4.2.0

Current design: https://www.coopblueprints.com/plans/8-chicken-tractor

Materials with a job to do

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

TR-01 Frame, shelter and roof

Purpose: Form the enclosure while contributing to its complete movement mass.

Order units: Every frame, shell and fixed fitting line: quantity and documented mass basis.

Request: Request material identities, finished sections and supplier mass information for the proposed assembly. Include fixed hardware and equipment in the mass record.

Quantity basis: Resolve shelter/run dimensions, every material quantity and the intended fixed equipment before estimating mass.

Decision: A weight estimate must include roofing, fittings and any carried supplies. Record assumptions and later compare with the actual assembly.

Check supplied items: Record substitutions and changed quantities before updating the assembly mass estimate. A completed purchase list does not verify movement capability.

TR-02 Wheels, axle and bearing mounts

Purpose: Support the selected assembly in its intended moving and parked states.

Order units: Wheels, axle, bearings and mounts: separately identified compatible components.

Request: Obtain manufacturer ratings, dimensional drawings, mounting requirements and stated operating conditions for the handling reviewer; do not infer a system rating from one wheel.

Quantity basis: Bring total mass, load distribution, mounting geometry, terrain and product ratings to the handling design.

Decision: Wheel diameter alone does not establish suitability. Mounts, axle, fasteners and frame backing form one system.

Check supplied items: Match every component code to the reviewed combination. Hold substitutions for review; wheel diameter alone is not evidence of equivalence.

TR-03 Handles and lifting connections

Purpose: Provide the intended handling positions and a controlled transition off the ground.

Order units: Handles, attachment plates and fixings: pieces or complete specified assemblies.

Request: Request the actual handle geometry and connection details used by the handling design. Keep expected force, balance and operator arrangements as explicit review inputs.

Quantity basis: Resolve handle height, reach, attachment, balance and expected force using the actual assembly.

Decision: Do not assume a person can move the design from the concept image. Define the handling method before a controlled trial.

Check supplied items: Check handle and connection identity against the reviewed drawing. Do not treat supplied handles as authorization for a movement trial.

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.

TR-04 Mesh, doors and parking closure

Purpose: Maintain the enclosure at each parking position.

Order units: Mesh and door components: schedule lines; parking closures: identified sets.

Request: Request the complete moving-opening and parked lower-edge arrangement, including which closure pieces must be removed and reinstated.

Quantity basis: Record ground gaps, door movement and any closure components that must be reset after movement.

Decision: Moving hardware does not replace ground-boundary inspection; uneven destinations can open new gaps.

Check supplied items: Identify every closure component and its parking position. Record missing or altered pieces before attempting to close the parked boundary.

TR-05 Removable feed, water and interior equipment

Purpose: Support the care routine and the chosen pre-movement procedure.

Order units: Equipment: exact models; mounts and transport/removal items: separate lines.

Request: Request full and empty dimensions, mounting instructions, removal method and mass information for equipment retained during movement assessment.

Quantity basis: Identify what remains fixed, what is removed and where each removed item waits.

Decision: Specify bird management and equipment handling before movement. A route sketch does not authorize a loaded movement trial.

Check supplied items: Check vessel and mount identities together. Keep the removal/staging list with the equipment so nothing is assumed fixed merely because it was delivered.

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 / TR-02 / Pending details

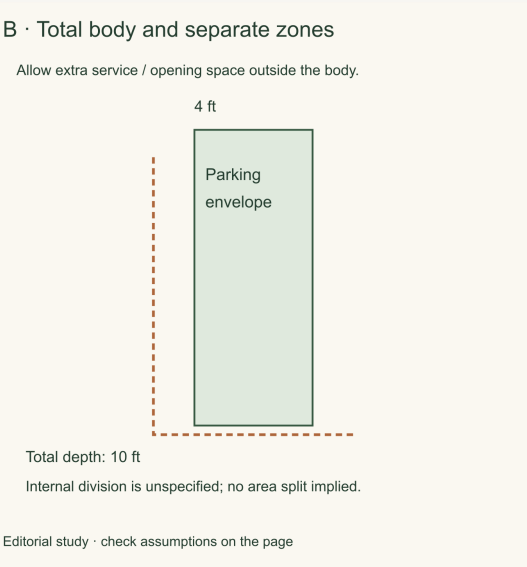
Scope ID: TR-02. Unit: separate wheel, axle, bearing and mount lines. Selected product: not selected. Reviewed quantity: blank. Measurement / quote source: handling review pending. Notes: mass, load distribution and compatible component ratings unresolved. Next check / owner: compile the component documents for the handling review / project owner.

Next: Have the complete combination reviewed; a wheel rating cannot release the movement trial.

Survey two parking positions and the route

Use a lightweight footprint marker to record space. Do not move the unverified illustrated structure.

Have ready: Tape measure and removable ground markers; A yard sketch; Product and assembly information when available



1. Mark the 4 x 10 ft outside body at the first proposed position. Add handles, door travel and working space as separate, measured items when known.

2. Repeat at the destination. Record ground unevenness, boundaries, service access and conditions affecting shade or water.

3. Trace the complete connecting route and note the narrowest point, turns and level changes. Leave turning clearance unresolved until the actual handling geometry is known.

4. Bring this record to the assembly and handling review. After the hardware and method are resolved, define a controlled validation procedure and a post-parking enclosure check.

Historic rendered views differ in roof, access and run treatment. They are concept references, not interchangeable fabrication views. Use the parked dimension reference and labelled schematic studies for this workbook.

Position A/B and ground conditions

Narrow points, turns and level changes

Unresolved assembly and handling decisions

Work in a useful order

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

1. Define the actual assembly

Fix shell dimensions, material choices and carried equipment, then develop mass and balance information.

Check: Unknown mass and load distribution have not been substituted with an invented capacity.

2. Develop the handling system

Coordinate wheels, axle, mounts, handles and frame reinforcement with their product ratings and the intended operation.

Check: A reviewed handling method exists before any movement trial.

3. Survey the complete route

Mark turns, narrow points, changes of level and each destination using the route project below.

Check: The moving assembly and operator fit; the parked rectangle alone is insufficient.

4. Recheck every destination

Plan closure, feed, water, shade and service access at each parking position. Define what must be reset after movement.

Check: A movement plan does not leave the enclosure incomplete or supplies inaccessible.

Next decision / person or source to consult

Related guide: https://www.coopblueprints.com/chicken-tractor

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

Two parking spaces do not establish a usable move route

Assume parking positions A and B each contain the drawn body, but the connecting route has a narrow turn and uneven ground. The tractor reference does not verify weight or movement capability; this is a planning example, not an instruction to attempt a move.

1. Record the route beyond the footprint

Locate the turn, ground change and destination approach. Keep the moving envelope and handling method unknown until the actual assembly is established.

2. Resolve handling before any trial

Have the assembly, equipment and bird-management arrangements reviewed. Do not infer lifting effort, operator count or suitability from wheels shown in a visualization.

3. Compare the parked routine too

At both positions, map water, feed, entry and the full boundary check. A destination that fits the body may still make daily service impractical.

Decision and record

No movement trial is released by this comparison. Retain A/B parking sketches, route constraints and the unresolved handling assessment; compare a fixed arrangement if mobility cannot be established.

Your site: changed condition / next check / person responsible

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