Light Duty Poultry Enclosure

OVERALL DIMENSIONS: 5' *w* × 2' *h* × 10' *d*

DOOR DIMENSIONS: 5' *w* × 3' *h*

Materials Usage:

MAIN FRAMEWORK:	1" × 3" cedar
UPRIGHTS:	2" × 2" cedar
STRUCTURAL BRACING:	1" × 3" cedar
DOOR FRAMING:	1" × 2" cedar
GUSSETS:	½" plywood, 7–8" triangular
SHEATHING:	1" chicken wire ⅞" corrugated galvanized panel
HANDLES:	¼", ½" nylon rope ½" i.d., ¾" o.d. PVC
FEED TROUGHS:	4" PVC gutter with end caps ½" chain baling wire
WATERING SYSTEM:	4 gallon plastic pail ½" PVC irrigation pipe + fittings Little Giant poultry fountain
HARDWARE:	Wire staples Plastic cable ties 1 ½" galvanized wood screws 1 ½" galvanized hinge

Design Notes:

The relatively light weight of cedar may lead to periodic loosening of fasteners but is offset by the reduction of weight in the cage.

Door frames are full width of structure. Galvanized roof panels should also run full width of enclosure to properly shed precipitation away from birds.

Structural bracing also serves as a mounting point for door hinges and should be placed accordingly.

Additional bracing may be added to support weight of water buckets, if desired.

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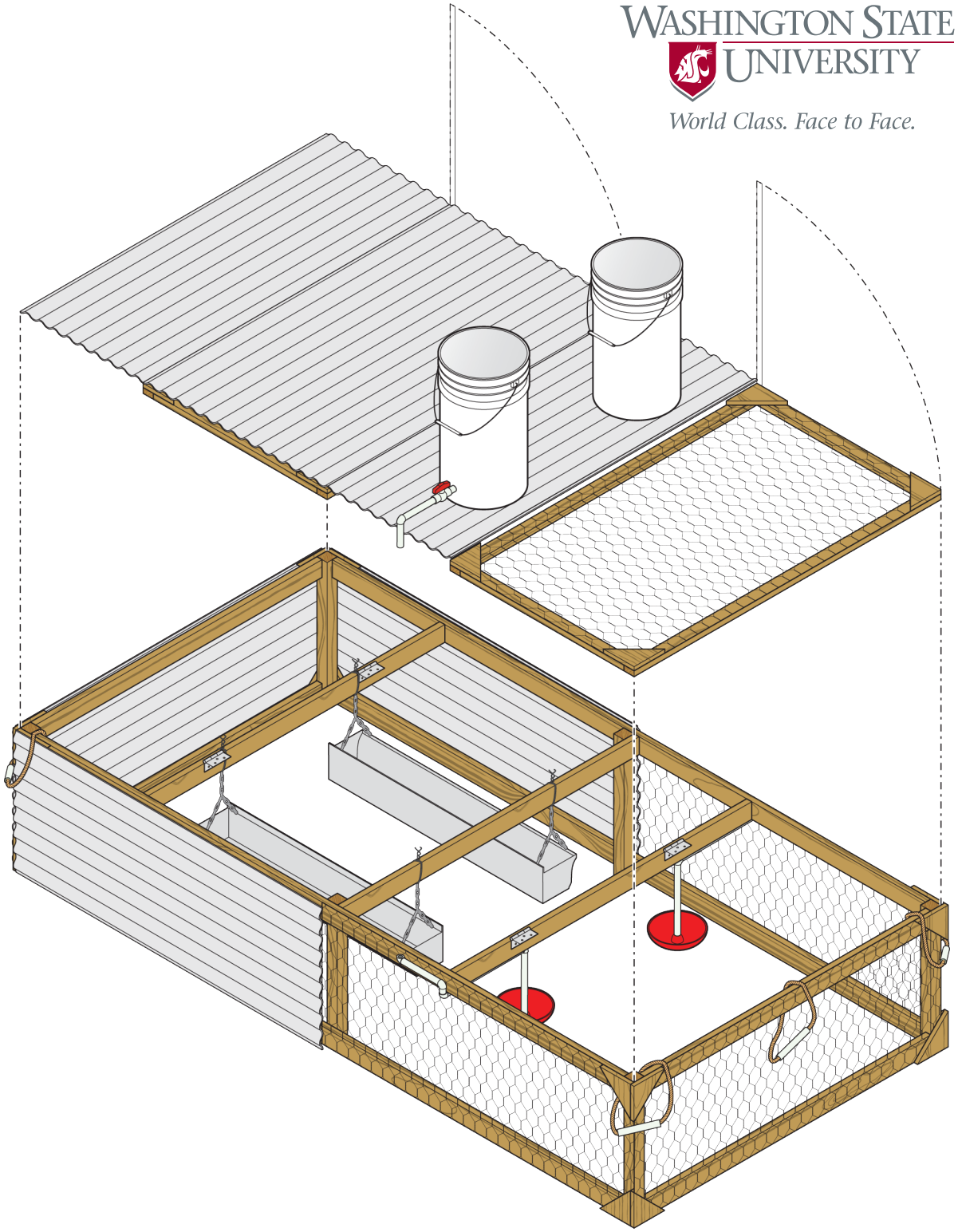

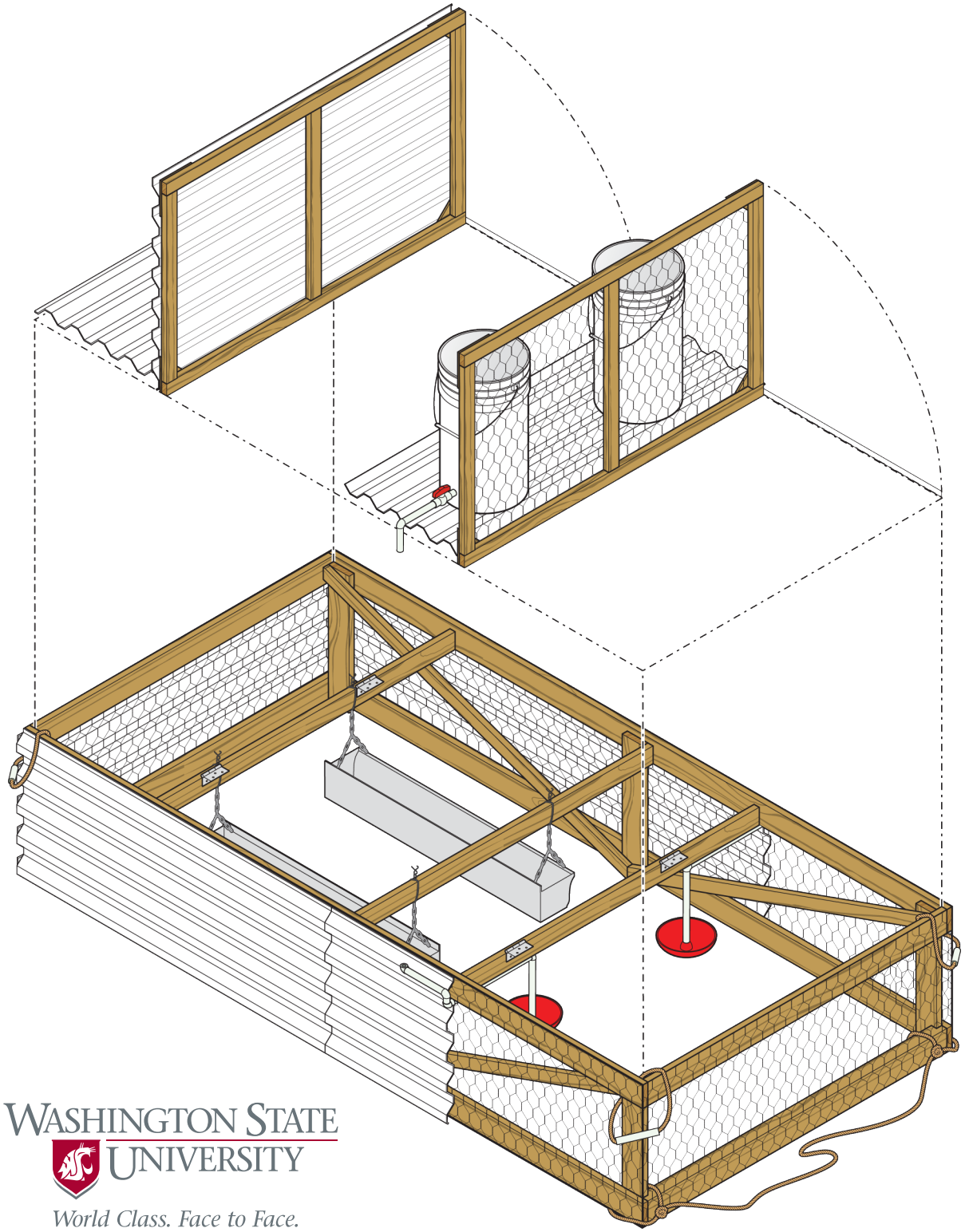

Heavy Duty Poultry Enclosure

OVERALL DIMENSIONS: 5' *w* × 2' *h* × 10' *d*

DOOR DIMENSIONS: 5' *w* × 3' *h*

Materials Usage

MAIN FRAMEWORK: 1" × 4" pine (1" × 3" may be substituted)

UPRIGHTS: 1" × 4" pine

DIAGONAL BRACING: 1" × 2" pine

DOOR FRAMING: 1" × 2" pine

SHEATHING:
1" chicken wire
4" rib corrugated steel (*white*)

HANDLES:
¼", ½" nylon rope
½" i.d., ¾" o.d. PVC

FEED TROUGHS:
4" PVC gutter with end caps
½" chain
baling wire

WATERING SYSTEM:
4 gallon plastic pail
½" PVC irrigation pipe + fittings
Little Giant poultry fountain

HARDWARE:
Wire staples
Plastic cable ties
1 ½" galvanized wood screws
1 ½" galvanized hinge

Design Notes:

Door frames are inset within upper frame. Galvanized panels should run full width of enclosure to properly shed precipitation away from birds.

Corrugated side panels are removable for additional ventilation during warm weather.

Structural bracing also serves as mounting point for door hinges and should be placed accordingly.

Additional bracing may be added to support weight of water buckets, if desired.

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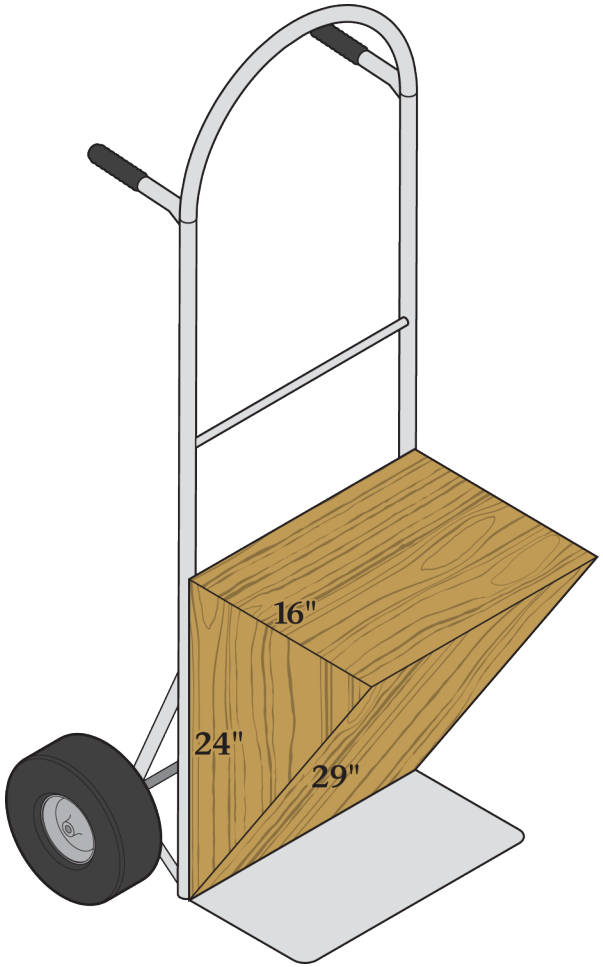
Enclosure Transport System

We have found that a large hand truck with pneumatic tires works well for moving the enclosures in the field. A plywood wedge (~33.5°) is placed between the truck and the enclosure to provide stability during movement. The opposite end will then be lifted using the enclosure's handles and wheeled to its new location.



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We thank you for your interest in constructing your own pastured poultry enclosure. Please visit the following web pages for more on our pastured poultry enclosure designs, as well as information about other research programs being conducted by the Organic Farming Systems and Nutrient Management program at WSU Puyallup.

SOIL MANAGEMENT WEB PAGE

http://www.puyallup.wsu.edu/soilmgmt/

PASTURED POULTRY WEB PAGE

http://www.puyallup.wsu.edu/soilmgmt/SusAg_PasturedPoultry.htm

FERTILIZING WITH MANURE EXTENSION BULLETIN

http://www.puyallup.wsu.edu/soilmgmt/Manure.htm

SOIL MANAGEMENT FOR SMALL FARMS

http://cru.cahe.wsu.edu/CEPublications/eb1895/eb1895.pdf

If you have additional questions regarding the construction or use of these enclosures, please contact:

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