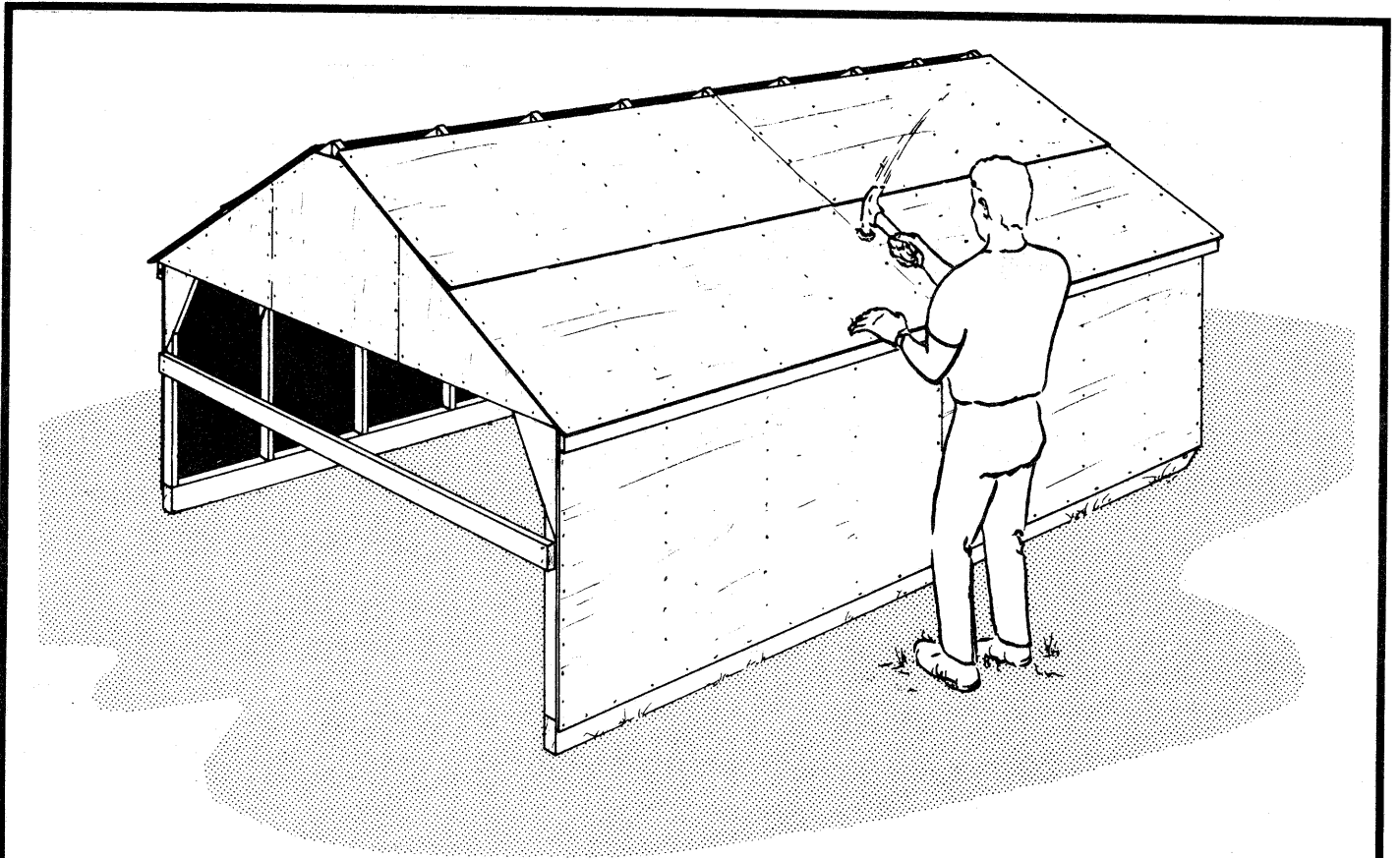


RIGID FRAME CALF RANGE SHELTER



NEW 80:04

Portable calf shelters are very popular with cow-calf ranchers who need additional shelter for young calves on range during chilly wet weather. Page 2 of this leaflet gives details for building such a shelter. Locate the shelter on a well-drained knoll with the open end facing south to benefit from spring sunshine.

This plan is for a shelter 3.6 x 4.8 m suitable for up to 20 calves. Some

ranchers may want to scale this down to a 10-calf shelter so it can be skidded onto a flat-bed trailer or truck platform for transportation to remote sites. The height of the roof should not be reduced.

The shelter is designed to use inexpensive sheathing plywood or Aspenite in 9.5 mm thickness for wall and roof covering; buy 19 sheets of 1.2 x 2.4 m sheathing and saw part of these sheets



The Canada Plan Service prepares detailed plans showing how to construct modern farm buildings, livestock housing systems, storages and equipment for Canadian Agriculture.

This leaflet gives the details for a farm building component or piece of farmstead equipment. To obtain another copy of this leaflet, contact your local provincial agricultural engineer or extension advisor.

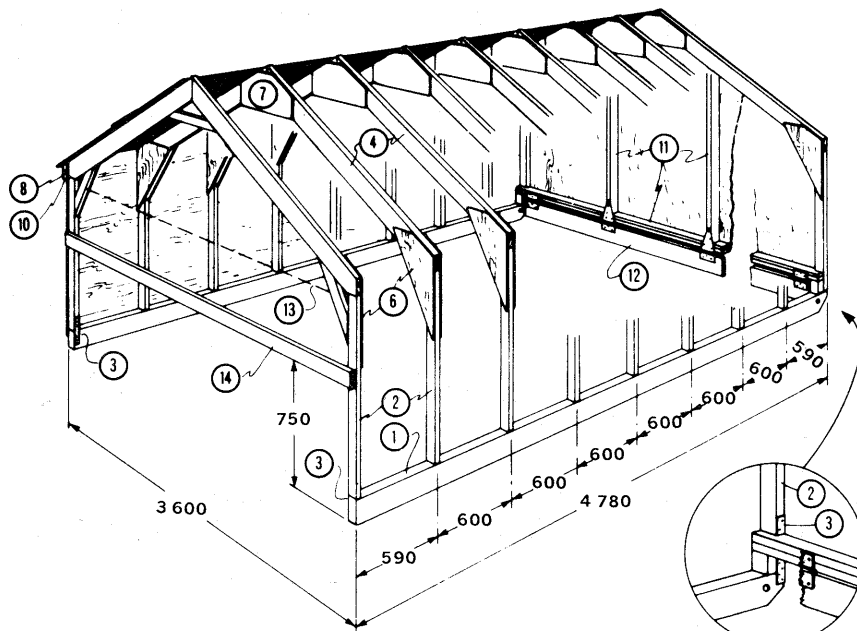
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PLAN M-1351

into the 56 gusset pieces required to prefabricate. Frame the shed slightly less than 2.4 m long so that the roof sheathing can overhang the end walls with minimum splicing. Nail all sheathing and gussets to the frame securely with 38 mm large-head galvanized roofing nails so that the building can withstand racking while being moved. Use steel strap ties for strength under each corner where the skids meet the sill. The useful life of this structure can be considerably increased by soaking the skids and the

exposed ridge joint with a good penetrating wood preservative.

If the site is exposed to strong winds, add a weighted canvas or burlap curtain, and anchor the shed at four corners by wiring it down to stakes driven into the ground. Bed the floor liberally with straw, wood chips or other dry bedding material. When the manure pack needs cleaning out, pry the skids carefully out of the manure pack, then tow the shed backwards off the bedded area to a new site. Clean and spread the manure after the shed has been removed.



- 1 38x 140mm skids; bevelled & drilled at closed end for towing
- 2 38x 89mm studs
- 3 3x 38mm steel strap ties, stud 2 to skids 1, at all 4 corners
- 4 rafters from 38x 140x 4200mm
- 5 9.5mm select sheathing exterior plywood or Aspenite siding and roof, nail every 150mm with 38mm large-head galv. roofing nails, to roof add asphalt roll roofing, or caulk all joints 75mm
- 6 9.5mm plywood gussets, cut 2 from rectangle as shown, nail from both sides with 38mm galv. large-head roofing nails, 38x 38mm filler blocks between
- 7 9.5mm plywood gussets, nail from both sides, 38x 89mm filler block between
- 8 9.5 plywood filler, continuous
- 9 slot opening at ridge for ventilation
- 10 38x 140mm face board, bevel at top to suit roof cladding
- 11 back wall gable, 2 - 38x 89mm stiffeners at bottom and 2 - 38x 89mm studs @ 1200mm oc
- 12 plywood or 38x 184mm flap board to pass over ground when skidding, hinged as shown with 2 butt hinges and 2 Tee hinges
- 13 line of front, 1 - 38x 89mm stiffener and 2 - 38x 89mm studs @ 1200mm oc
- 14 38x 184mm guard, keeps cows out of shelter

