



NEW PLAN BOOKS and PLANS AVAILABLE

Several new booklets on planning and plans have been prepared through the Midwest Plan Service. These are now available through county agent offices or from the Extension Agricultural Engineer at North Dakota State University, Fargo, North Dakota 58102.

Sheep Housing and Equipment Handbook (MWPS-3) \$2.00 — Layout planning information, housing alternatives, ventilation and waste handling systems are described in this 80-page booklet. About 40 pages show plans for equipment used with a sheep enterprise.

Farmstead Planning Handbook (MWPS-2) \$2.00 — This 44-page booklet explains overall farmstead planning considerations and shows alternatives. Basic design information is included about wind, sunlight, frost, safety, planning and the major farmstead areas.

48-Foot Pole Machine Shed (Plan MW 74146) \$1.00 — Construction details are shown for building a 48-foot wide pole frame building with clear span truss-type rafters. Details are shown for 24-foot wide sidewall doors. A materials list, bracing requirements and use of square posts is included on this 8-page plan.

Warm Calf Barn (Plan MW 72342) \$1.00 — Insulation, ventilation and manure handling for young calves are emphasized in this plan for a 36' x 56' insulated building. This size will accommodate a 100-cow herd size. A separate room with elevated stalls is used for new calves. Free stalls and slotted floors with liquid manure storage are used for older calves. Complete construction details and materials list is included in this 6-page plan.

Dairy Barn, 40 Tie Stalls (Plan MW 72326) \$1.00 — A gothic arch roof with haymow is included on this plan. A gutter cleaner is utilized for manure handling. The 36' x 132' facility includes maternity and calf pen space. Milk room plans are not included.

Dairy Barn, 60 Tie Stalls (Plan MW 72327) \$1.00 — Construction details, material list and layout for a one-story barn. Includes plans for liquid manure storage under the barn. Complete ventilation details are included for this 36' x 160' facility.

48-Foot Confined Beef Shed (Plan MW 72440) \$1.00 — Pole frame, clear span construction over an 8-foot deep manure pit is shown in this plan for a 48' x 160' confinement feeding barn. Open-front design is featured with drive-through fenceline feeding along the inside wall.

34-Foot Confined Beef Shed (Plan MW 72441) \$1.00 — The driveway for fenceline feeding is outside on this plan for a 34' x 160' open sided feeding barn. Concrete slat floor over an 8-foot deep manure pit with conventional clear span, pole frame building design is shown. The unit is sized for 370 head based on 17 square feet per head.

Confined Beef, 34-Foot Shed Roof (Plan MW 72442) \$1.00 — A single slope, shed-type, clear span roof is used over a slotted floor with liquid manure pit underneath. Fenceline feeding is done along an open side from outside the barn. Expansion can be done by building another 34-foot wide unit alongside for an 86-foot wide facility. Complete construction details included.