

AGRICULTURAL BUILDING & EQUIPMENT PLAN LIST



Introduction

The UT Extension Plan List

University of Tennessee Extension maintains a collection of more than 300 building and equipment plans, and makes these available to all residents of Tennessee. Although the plans are primarily intended for use in Tennessee, many are appropriate for other locations as well. These plans came from many sources. Some were developed in the University of Tennessee Extension Biosystems Engineering and Soil Science Department, but most were developed in a cooperative effort with the United States Department of Agriculture and the Cooperative Farm Building Plan Exchange. The Plan Exchange no longer exists, but the plans remain on file and are available.

The plans developed at the University of Tennessee are based on the research and demonstration experiences of scientists at the university. The USDA plans generally originated at land-grant institutions across the country and were submitted to the Cooperative Farm Building Plan Exchange, where they were edited and distributed to all states for use in their Extension educational programs.

We have attempted to verify that each plan is appropriate for use in Tennessee. However, these plans are intended mainly for use as planning guides, and you should check with local authorities concerning building code and building permit requirements. Also, good construction practices should be followed when building from these or any other plans.

Using the Plan List

This list was prepared to assist you in obtaining plans from UT Extension. Although many of the plans are for agricultural structures, a wide variety of building and equipment plans is available. The plans are arranged by subject to help you locate the plan(s) in which you are most interested.

The plan number for each plan is given in the first column. It is important to use this number when requesting or referring to these plans.

The second column shows the number of sheets (no. pages) in each plan so you can make sure any plans you receive are complete.

A brief description is also provided. Plans are difficult to describe in just a few words, but the description should help you narrow your choices.

How to Obtain Plans

The UT Extension office in your county can assist you in selecting and obtaining plans. Also, all plans are now available in electronic format, and you can browse the list by pointing your browser to the following address: <http://bioengr.ag.utk.edu/extension/extpubs/planlist97.htm>

Note that plans are supplied “where is, as is,” and no specific warranty is made with respect to their structural integrity and design. As with any construction project, you should consult with a professional designer and secure all applicable permissions before starting construction.

ACTIVE PLAN LIST

MISCELLANEOUS PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5942	1	IRRIGATION PIPE TRAILER FOR 30' OR 40' ALUMINUM PIPE.
6046	1	SPRINKLER PIPE TRAILER. TWO WHEELS.
6172	3	CATTLE SHED AND AUCTION BARN. 46' X 136'. CLEAR SPAN AUCTION.
6177	1	SELF-ALIGNING DOCK BUMPER.
6184	3	RODEO ARENA. 140' X 248'.
6191	1	THREE-POINT HITCH BOOM. CATEGORY I. WELDED I-BEAM MATERIALS.
6192	1	CATTLE RACKS FOR PICK-UP TRUCKS. HEAVY OR LIGHT DUTY. WOOD.
6209	1	STORM CELLAR. 8' X 16' OR 5' X 10'. CONC. & MASONRY CONSTRUCTION.
6212	1	PASTURE DRAG. CONSTRUCTED FROM USED TIRES.
6213	1	TURTLE TRAPS. FUNNEL -MOUTHED OR BOX TYPE.
6231	1	BEEHIVE AND FRAME.
6265	1	SOLAR BEESWAX EXTRACTOR.
6273	1	BULLETIN DISPLAY & STORAGE.
6276	3	ELEVATED SAWDUST BIN.
6278	1	DOG HOUSES. INCLUDES 3 TYPES OF HOUSES.
6299	1	METAL GRATE COVERS FOR DRAINAGE GUTTERS IN CATTLE FACILITIES.
6303	1	PORTABLE TRIMMING CHUTE FOR CATTLE.
6324	1	LOW-COST BEEHIVE.
6325	1	HONEYCOMB UNCAPPING TANK & SUPER DUMPING BOARD.
6327	1	BROOD HIVE (FIVE & SIX DEEP).
6330	1	HONEY EXTRACTOR.
6344	1	PURPLE MARTIN BIRDHOUSE.
6358	2	FOUR-WHEEL LAWN & GARDEN WAGON. (RUNNING GEAR ONLY).
6368	1	LIGHTNING PROTECTION SYSTEM FOR FARM BUILDINGS.
6376	1	ABOVE-GROUND STORM SHELTER. 9' X 14' CONCRETE BLOCK CONST.
6379	1	12" LOG LIFTER.
T4033	1	SHOW ANIMAL WASH RACK. 16' X 20' CONCRETE.

HOUSE PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
6336	1	ENERGY-EFFICIENT HOUSE SITE & LANDSCAPE PLAN.

RECREATION PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5506	2	FIVE-ROOM LOG CABIN. 32'-6" X 42'.
5507	1	THREE-ROOM LOG CABIN. 28' X 30'.
5824	1	PLAYGROUND LAYOUTS. DIMENSIONS FOR VARIOUS COURTS.
5975	2	BOAT LANDING. ROOFED.
5998	1	ADIRONDACK-TYPE SHELTER. 13' X 15'. OPEN FRONT.
6002	1	ONE-BEDROOM POLE FRAME CABIN. 24' X 24'.
6003	2	ONE-BEDROOM "A" FRAME CABIN. 24' X 24'.
6004	1	CABIN. 16' X 20' WOOD FRAME.
6013	3	DORMITORY LOFT CABIN. 22' X 24' FRAME.
6020	1	COVERED BARBECUE PIT. 13' X 19' POLE FRAME.
6022	1	COVERED BARBECUE PIT. 13' X 25' POLE FRAME & INSECT SCREEN.
6258	1	BACKYARD BARBECUE PIT. 4' X 6'. BRICK CONSTRUCTION.
6259	1	CAMP STOVES. MASONRY FOR OUTDOOR COOKING.
6261	2	OUTDOOR FIREPLACES.
6317	4	PLAYGROUND EQUIPMENT. WOOD FRAME SLIDE, SWING, SAND BOX, ETC.
6406	1	WOOD DECK. 14' X 16' ATTACHED TO HOUSE.
6407	1	WOOD DECK RAILING & STAIR DETAIL.
T4147	1	PICNIC TABLE.

FAIRGROUND AND COMMUNITY PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
6079	2	PAVILION. 24' X 36' INCLUDING 12' X 12' KITCHEN. POLE CONSTRUCTION.
6149	4	TWO-STORY COMMUNITY BUILDING. KITCHEN, RESTROOMS & STORAGE.
6295	1	PICNIC SHELTER WITH FIREPLACE. 12' X 20' POLE FRAME.

BEEF PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5681	1	MOVEABLE CATTLE-LOADING CHUTE, 12' LONG ON WHEELS.
5763	1	MOVABLE CALF CREEP-FEEDER. 2 PENS WITH CENTER FEED.
5764	1	MOVABLE CALF CREEP-FEEDER IN A 24' X 24' PEN. 20 CALVES.
5768	1	CALF CREEP-FEEDER. 9' X 10' WOOD FRAME. 50 BUSHEL.
5778	1	CATTLE-HOLDING CHUTE AND HEAD GATES.
5793	1	LOADING CHUTES. PORTABLE, STATIONARY AND WITH STEPS.
5852	1	VARIABLE-HEIGHT LOADING CHUTE FOR CATTLE. CLEATED WALK.
5959	1	CUTTING GATE, TOWER AND CHUTE. PIPE CONSTRUCTION.
5960	1	LOADING RAMP AND SIX-WAY SORTING TRAP. WOOD CONSTRUCTION.
5962	2	TILTING CALF TABLE. WOOD CONSTRUCTION.
5969	2	TILTING CALF TABLE. PIPE FRAME.
5991	2	BEEF CATTLE CORRAL. 50 HEAD.
6049	2	CORRAL WITH CURVED CHUTE. FOUR PENS PLUS WORKING PEN.
6077	1	WALK-THRU HEADGATE. WOOD CONSTRUCTION.
6103	2	COVERED BREEDING CHUTE FOR BEEF CATTLE.
6141	2	GOOSE NECK TRAILER FOR CATTLE. WOOD FLOOR. PIPE SIDES.
6183	1	THREE-TIER LOADING CHUTE. WOOD CONSTRUCTION.
6230	3	CORRAL WITH WORKING FACILITIES. PIPE & METAL CONSTRUCTION.
6266	2	PASTURE CREEP GATE.
6272	1	MOVABLE HEADGATE. METAL CONSTRUCTION.
6297	2	COUNTER-SLOPED BEEF FEEDING PENS. EACH PEN IS 36' X 48'.
7241-11	2	HOLDING CHUTE AND CORRAL CONSTRUCTION DETAILS.
7241-13	1	HEAD GATE. WOOD CONSTRUCTION.
T4079	1	SIMPLE CORRALS.
T4113	1	TENNESSEE CORRAL. (REVISION OF PLAN 7241-7, BASIC UNIT)
T4118	1	TOBACCO BARN/CATTLE HANDLING FACILITY.
T4119	1	BASIC WORKING CHUTE FOR CATTLE.
T4171	1	CATTLE BARN WITH PARTIAL HAY LOFT. 50' X 70'.

DAIRY PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5933	1	TWO PORTABLE CALF PENS. WOOD-FRAMED OR STEEL-FRAMED.
5977	1	DAIRY HOUSING EQUIPMENT. FEED BUNK, MANURE LIP, RIDGE VENT.
6092	2	CROWDING GATE FOR DAIRY CATTLE. PIPE CONSTRUCTION.
6146	2	MATERNITY BARN FOR DAIRY COWS. 34' X 72'. 10 LARGE STALLS.
6199	1	ELEVATED WOOD CALF STALLS. PAIL, HAY & GRAIN FEEDING.
6200	1	ELEVATED WOOD CALF STALLS. PAIL FEEDING ONLY.
6271	2	COLD CALF HOUSING. INDIVIDUAL 4' X 18' PARTIALLY OPEN PENS.
6301	1	CALF HUTCH WITH MOVABLE Paddock. 3'-9" X 7'-4".
6313	3	HIGH-DENSITY DAIRY FREESTALL HOUSING/FEEDING FACILITY. 78 STALLS.
6348	2	TWELVE-STALL TRIGON MILKING PARLOR.
6387	2	MILKING PARLOR GROUNDING SYSTEM.
T4086	2	DOUBLE-SIX HERRINGBONE MILKING PARLOR.
T4087	2	DOUBLE-THREE HERRINGBONE MILKING PARLOR.
T4098	1	DOUBLE-FOUR HERRINGBONE MILKING PARLOR.
T4134	1	60-COW DAIRY FACILITY. (HAY & FENCE LINE FEEDING)
T4139	1	220-COW DAIRY HOUSING FACILITY WITH DRIVE-THRU FEEDING.
T4146	1	COVERED COMPOSTING SHED FOR DAIRY WASTES. 12' X 48'.
T4148	1	200-COW DAIRY HOUSING AND DRIVE-THRU FEEDING FACILITY.
T4158	2	300-COW FREESTALL & FEEDING FACILITY. 100' X 336'.
T4162	1	84-COW DAIRY HOUSING & CENTER DRIVE-THRU FEEDING FACILITY.
T4172	1	108-COW FREESTALL BARN. 52' X 120'.
T4177	2	ENCLOSED CALF BARN. 80 ELEVATED STALLS. 22' X 96'. VENT DETAILS.
T4178	1	120-COW DAIRY HOUSING AND FEEDING FACILITY. 96' X 156'.

HORSE PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5838	2	RIDING HORSE BARN. TWO STALLS, LOFT, FEED AND TACK ROOMS.
5943	2	TWO-HORSE TRAILER WITH TANDEM AXLE.
5994	2	SADDLE HORSE BARN. 12' X 60' POLE FRAME. FOUR STALLS.
6010	3	HORSE BARN. 24' X 50' WOOD FRAME. EIGHT STALLS.
6011	3	HORSE BARN. 36' X 100' FRAME. 17 STALLS.
6014	4	HORSE EQUIPMENT. COOP JUMPS. GATE.
6015	1	HORSE SHOW RINGS.
6024	3	1-1/2 STORY HORSE BARN. WOOD CONSTRUCTION. THREE STALLS.
6082	2	PORTABLE HORSE STALL. 10' X 12' PLYWOOD SIDING.
6118	3	HORSE BARN. TWO STALLS. 20' X 32' PLYWOOD. COVERED WALKWAY.
6128	2	HORSE BARN. 48' X 92' WITH INDOOR EXERCISE AREA.
6171	3	HORSE BARN AND ARENA. 60' X 140' CLEAR SPAN.
6262	2	HORSE BARN. 16' X 24'. GAMBREL ROOF.
6275	1	HORSE BARN. 24' X 36' POLE CONSTRUCTION. 3 STALLS.
6285	3	HORSE BARN. 26' X 48'. GAMBREL ROOF.
6375	2	HORSE RESTRAINING STALL. 35" X 75" PIPE FRAME.

POULTRY PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
6187	1	POULTRY HOUSE. 7' X 11'. 25 TO 40 LAYERS.
6188	1	POULTRY HOUSE. 11' X 15'. 50 TO 80 LAYERS.
6195	2	POULTRY HOUSE FOR 40-50 BIRDS. FEED BIN AND NESTS ARE SHOWN.
6232	2	POULTRY AND PIGEON HOUSES. 8' X 8'.
6248	1	POULTRY HOUSE. 10' X 12'.
T4055	2	BROILER HOUSE WITH WOOD TRUSS. 40' X 400'.
T4056	2	BROILER HOUSE WITH METAL TRUSS. 40' X 400'.
T4140	2	DEAD POULTRY COMPOSTING FACILITY. 30' X 72'. (120,000 BIRDS)
T4165	3	CONCRETE COMPOSTING FACILITY FOR POULTRY MORTALITIES.

GOAT, SHEEP AND RABBIT PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5910	1	HAY AND GRAIN FEEDER. 10 SHEEP. WOOD FRAME. (REPLACES 5807)
5913	1	SHEEP FEEDERS. 3' X 6' WOOD CONSTRUCTION.
5914	1	PORTABLE SELF-FEEDER FOR SHEEP. WOOD CONST. (REPLACES 5808)
5916	1	MINERAL FEEDER FOR SHEEP. HINGED ROOF. 3' X 5'.
5919	2	SHEEP AND LAMBING SHEDS. 20' X 32' WOOD FRAME.
6006	1	TILTING SQUEEZE FOR SHEEP. PIPE CONSTRUCTION.
6047	1	SHEEP CHAIR. METAL FRAME. TWO SEATS.
6058	1	THREE-WAY CUTTING GATES FOR SHEEP. WOOD CONSTRUCTION.
6255	2	MILKING BARN AND MILKHOUSE FOR 10 GOATS.
6256	2	MILKING BARN AND MILKHOUSE FOR 10 GOATS.
6277	1	RABBIT HUTCH. OPEN-SIDED POLE CONSTRUCTION.
6300	1	BUCK GOAT YARD. SHELTER AND FEEDERS.
6304	1	PORTABLE LAMBING UNIT.
6316	1	SHEEP-SHEARING TABLE. WOOD CONSTRUCTION.
6328	1	FENCE LINE SHEEP FEEDER.
6340	1	TWO-ROW CAGED RABBIT HOUSE. OPEN POLE TYPE CONSTRUCTION.
6360	2	SIX-ROW CAGED RABBIT SHED. 30' X 120'.
6399	1	METAL GOAT MILKING STAND.
6405	2	GOAT MILKING PARLOR & CHEESE PLANT. FOUR HERRINGBONE STALLS.

SWINE PLANS		
PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5783	1	SWINE BREEDING CRATE. WOOD CONSTRUCTION.
5815	1	SELF-FEEDER FOR HOGS. WOOD FRAME. METAL DRUM FOR FEED.
5816	1	12' X 16' SHADE FOR HOGS. PORTABLE OR PERMANENT.
5870	1	PORTABLE SHADE FOR HOGS. 12' X 12' OPEN SHED. METAL ROOFING.
5947	1	PORTABLE SHADE FOR HOGS. 12' X 16' WOOD AND PIPE FRAME.
6114	1	MOVABLE 14' X 16' ELEVATED SWINE FEEDING UNIT. SLOTTED FLOOR.
6207	2	BOAR PENS. 6' X 17' OPEN-FRONT PENS.
6223	1	CIRCULAR CROWDING PEN FOR SWINE.
6243	1	KNOCK-DOWN STEEL FRAME FARROWING CRATE.
6257	1	TARP FRAME HOG SHADE. 16' X 16'. PIPE FRAME.
6289	1	PIG CASTRATING TABLE.
6290	2	PORTABLE FARROWING AND NURSERY UNIT. 23' X 20'. EIGHT SOWS.
6305	1	PORTABLE BACKYARD PIGPEN. 4' X 9'.
726-15	1	PORTABLE SOW-FEEDING STALLS. WOOD CONSTRUCTION.
T4024	2	240-HEAD SWINE FINISHING FLOOR. PARTIAL SLATS, CURTAIN SIDES.
T4030	2	240-HEAD SWINE FINISHING FLOOR WITH OPEN GUTTER FLUSH.
T4044	2	FREE-SWINGING FLUSH BUCKET. 200 GALLONS CAPACITY.
T4045	2	SWINE NURSERY WITH PARTIALLY SLOTTED FLOOR. CURTAIN WALL.
T4047	2	MODIFIED "A-FRAME" PORTABLE FARROWING UNIT. 6' X 8' PLYWOOD.
T4058	2	SYPHON FLUSH TANK. VARIOUS CAPACITIES GIVEN.
T4065	2	SPRINKLER COOLING SYSTEM FOR SWINE.
T4066	3	24-SOW ENCLOSED FLUSH FARROWING HOUSE AND CAGE NURSERY.
T4077	2	72-SOW OPEN GUTTER FLUSH GESTATION HOUSE. "FREESTALL" FEED.
T4093	2	192-PIG ENCLOSED PIG NURSERY WITH ELEVATED 4' X 8' CAGES.
T4100	2	12-SOW SINGLE ROW ENCLOSED FARROWING HOUSE & CAGE NURSERY.
T4121	1	VENTILATION PLAN FOR AN ENCLOSED PIG NURSERY. (192-240 PIGS)
T4125	1	VENTILATION PLAN FOR CURTAIN WALL 24-SOW FARROWING HOUSE.
T4126	1	SWINE SITE PLAN. (96 SOWS FARROW-TO-FINISH)
T4129	1	VENTILATION PLAN FOR AN ENCLOSED 12-SOW FARROWING HOUSE.
T4131	2	SWINE GROWER UNIT WITH OPEN GUTTER FLUSH.
T4132	2	BOAR HOUSING/BREEDING FACILITY. OPEN GUTTER FLUSH.
T4144	1	PORTABLE ELEVATED SWINE NURSERY. 16 PIGS.
T4149	1	24-SOW & 12-CAGE MULTIPLE ROOM FARROWING HOUSE/CAGE NURSERY.
T4150	1	24-SOW & 12-CAGE MULTIPLE ROOM FARROWING HOUSE/CAGE NURSERY.
T4154	1	VENTILATION PLAN FOR AN ENCLOSED SWINE BUILDING.
T4156	2	240-HEAD SWINE FINISHING FLOOR WITH PIT RE-CHARGE. 24' X 96'.

TOBACCO PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
T4009	2	TOBACCO BARN. 32' X 60' FOUR-TIER POLE CONST. (TOBACCO EXP. STATION)
T4038	1	TWO-WHEEL PIPE FRAME TOBACCO TRAILER. (KENTUCKY)
T4143	2	24' WIDE TWO-TIER, SIDE-LOADING TOBACCO BARN.

GREENHOUSE PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5941	2	PLASTIC-COVERED GREENHOUSE/COLD FRAME. 8' X 18' WOOD FRAME.
5946	1	PORTABLE PLASTIC GREENHOUSE. 9' X 12' ARCHED ROOF.
5971	1	HOTBED AND PROPAGATING FRAME. PLASTIC COVER. 6' X 6'.
6029	2	GREENHOUSE FRAMING. 23' X 48' RIGID WOOD FRAME.
6064	2	LATH HOUSE. 22' X 48'.
6080	1	MINI HOT BED AND PROPAGATING FRAME. ARCHED ROOF. 42" X 5'-0".
6163	1	GREENHOUSE BENCHES. SIX TYPES. WIRE AND WOOD.
6181	2	HOME GREENHOUSE. 10' X 12'. PLASTIC OR FIBERGLASS COVER.
6185	3	PLASTIC-COVERED GREENHOUSE. 28' X 96' WOOD OR PIPE FRAMING.
6206	2	HOT BED. 3' X 6' OR 6' X 6'. ELECTRIC CABLE HEAT.
6217	2	ARCHED CONDUIT GREENHOUSE. 20' X 80'. (CONDUIT BENDER SHOWN)
6222	3	PIPE FRAME GREENHOUSE. 28' X 96' PLASTIC COVERED. EVAP COOL.
6251	2	PLASTIC GREENHOUSE. 12' X 16' POLE FRAME.
6293	5	PLANT NURSERY WAGON WITH FOUR-WHEEL STEERING.
6298	1	GOTHIC RAFTER GREENHOUSE. 21' X 40'. PLASTIC COVERING.
6311	1	PLASTIC-COVERED GREENHOUSE. 21' X 40'. SCISSORS TRUSSES.
6312	1	PLASTIC-COVERED GREENHOUSE. 20' X 48'. PIPE (CONDUIT) FRAME.
795-3	2	HOBBY GREENHOUSE. 12' X 20'. PLASTIC PIPE ARCH CONSTRUCTION.

FRUIT AND VEGETABLE PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5192	1	ROADSIDE STAND. 24'X 28' FRAME.
5193	1	LARGE ROADSIDE STAND. 17'X 24' FRAME.
5695	1	SMOKE HOUSE. 7' X 8' WOOD OR CONCRETE BLOCK. (REPLACES 5029)
5982	1	TWO DISPLAY STANDS FOR PRODUCE. PLYWOOD CONSTRUCTION.
5983	2	PERMANENT ROADSIDE STAND. 8' X 16'.
6027	3	ROADSIDE MARKET WITH REFRIGERATED ROOM.
6119	1	PLYWOOD PALLET VEGETABLE BOX. 47" X 47" X 24" DEEP.
6120	1	PLYWOOD PALLET VEGETABLE BOX. 47" X 40" X 24" DEEP.
6121	1	PLYWOOD PALLET VEGETABLE BOX. 47" X 47" X 46" DEEP.
6145	3	FRUIT STORAGE BUILDING. 24' X 52'. COLD STORAGE ROOM.
6202	2	FRUIT DRYER. ELECTRIC FORCED AIR HEAT.
6228	1	FRUIT & VEGETABLE STORAGE FOR HOME BASEMENT. 10' X 10'.
6244	2	SOLAR FRUIT DRYER.
6252	1	CASSETTE FRUIT DRYER. (USES PORTABLE ELECTRIC HEATER).
6314	1	APPLE STORAGE AND PACKING FACILITY. 40' X 170'.
6380	1	WALK-IN REFRIGERATOR FOR FARM MARKET. 8' X 12'.
6383	2	INSULATED DOOR DETAILS FOR COLD STORAGE.
6386	3	TWO-TEMPERATURE WALK-IN REFRIGERATOR. (REPLACES PLAN 7102)
6414	1	WOODEN PALLET VEGETABLE BOX. 38" X 47" X 32" DEEP.
T4179	1	60' X 250' FARMER'S MARKET WITH 36 SALES STALLS.

GRAIN HANDLING AND FEEDING PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5769	1	TWO-LEVEL SALT AND MINERAL BOX FOR SHEEP AND CATTLE.
5776	1	FOUR-WHEEL MOVEABLE SELF-FEEDER FOR CATTLE. 6' X 9'.
5878	1	POLE CORN CRIB. WIRE MESH WALLS. 6'-6" X 45'.
5906	1	MINERAL FEEDER FOR CATTLE. ROOFED. PERMANENT.
6045	1	TWO-WHEEL MOVABLE SELF-FEEDER FOR CATTLE.
6081	9	GRAIN/FEED HANDLING CENTER. POLE TYPE CONSTRUCTION.
6294	2	100,000-BUSHEL GRAIN HANDLING AND STORAGE CENTER.
6296	3	GRAIN HANDLING AND STORAGE CENTER. EXPANDS TO 108,000 BU.
6343	1	FEED CART. 26" X 4' OR 26" X 6'.
6384	4	CIRCULAR GRAIN BIN LAYOUTS.
6391	2	CIRCULAR GRAIN BIN FOUNDATIONS. (UP TO 22' DIAMETER)
T4138	1	BULK STORAGE SHED FOR COMMODITY FEEDS. 36' X 36' POLE CONSTRUCT.

FORAGE STORAGE AND FEEDING PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5777	1	MOVEABLE HAY RACKS FOR CATTLE. TWO KINDS GIVEN. 6' X 14'.
5908	1	SELF-FEEDING HAY WAGON. WOOD CONSTRUCTION.
5925	1	CATTLE-FEEDING RACK FOR HAY AND SILAGE.
6143	1	WAGON RACK FOR SILAGE FEEDING. WOOD CONSTRUCTION.
6167	1	SILAGE FEED BUNKS. FOUR TYPES. CONCRETE.
6173	2	WAGON RACK FOR TOSSED BALES.
6175	1	HORIZONTAL SILO. TILT-UP CONCRETE ABOVE- OR BELOW-GRADE.
6214	1	HAY FEEDERS FOR ROUND BALES.
6245	2	COVERED FEEDER FOR LARGE ROUND BALES.
6249	1	PORTABLE FEEDER FOR BIG BALES.
6279	3	HAY BARN FOR AUTOMATIC BALE STACKER-WAGONS. 46' X 96'. POLE.
6329	1	HAY SPIKE FOR FRONT-END LOADER.
6347	1	CONCRETE TRENCH SILO. TILT-UP CONSTRUCTION.
6350	1	HAY STORAGE FOR LARGE ROUND BALES. 48' X 96' POLE CONSTRUCT.
6408	3	BUNKER SILO. ABOVE-GROUND TILT-UP CONCRETE. 8' TO 20' WALLS.
T4114	2	BIG BALE HAY STORAGE. 40' X 96' CLEAR SPAN. SIDE-LOADING.
T4160	1	FENCE LINE HAY FEEDER FOR BIG ROUND BALES.
T4163	1	HAY-FEEDING RACK FOR BIG ROUND BALES.
T4164	1	28' X 72' HAY STORAGE FOR BIG ROUND BALES. CLEAR SPAN. END LOADING.
T4182	2	40' X 96' HAY STORAGE FOR BIG ROUND BALES. CLEAR SPAN. END LOADING. (REPLACES PLAN #T4099)
T4183	1	40' X 96' HAY STORAGE BARN WITH METAL TRUSSES. CLEAR SPAN.

MACHINERY AND SUPPLY STORAGE PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
6072	3	TRANSPORTABLE BULK-STORAGE FERTILIZER BIN.
6117	2	FERTILIZER STORAGE. 40' RIGID FRAME. CONCRETE FLOOR.
6150	2	MACHINERY STOR. & SHOP. 42' X 98' POLE FRAME. (NOT CLEAR SPAN)
6168	2	MACHINERY STORAGE. 40' X 102' POLE FRAME. RAISED CENTER BAY.
6176	1	FERTILIZER BULK STORAGE SHED. 16' X 36'. 72 TON CAPACITY.
6220	2	MACHINERY SHED. 25' X 72' POLE FRAME. RAISED CENTER BAY.
6287	4	MACHINERY STORAGE & SHOP. 32' X 129' CLEAR SPAN POLE CONST.
6346	1	PESTICIDE STORAGE BUILDING. 12'-8" X 20' MASONRY CONSTRUCT.
T4012	1	SHED ROOF MACHINE STORAGE. 24' X 96' POLE CONSTRUCTION.
T4166	1	24' X 72' MACHINERY STORAGE (TOOL SHED).
T4167	1	30' X 52' MACHINERY STORAGE (TOOL SHED). POST FRAME.
T4174	1	WOODWORKING SHOP LAYOUT. 32' X 40'.
T4180	1	FARM MACHINERY SHOP. 40' X 56'

ROOF FRAMING AND TRUSS PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
6410	1	BRACED RAFTER (GAMBREL ROOF) DESIGN DETAILS. 20' TO 34' SPAN.
6411	1	BRACED RAFTER (GAMBREL ROOF) DESIGN DETAILS. 36' TO 50' SPAN.

WATER SUPPLY AND WASTE DISPOSAL PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
6361	4	LARGE-DIAMETER VALVES FOR GRAVITY FLOW MANURE HANDLING.
6363	1	WATER-WEIGHTED FLUSH VALVE OPENER.
6396	1	PIT TYPE PRIVY. (REPLACES 6054)
724-8	1	MANURE-LOADING PLATFORM.
T4029	1	COVERED DRY-STACK MANURE STORAGE. PRESS. TREAT. PLANK SIDES.
T4151	2	COVERED DRY-STACK WASTE STORAGE. 42' X 96' WITH CONC. SIDES.
T4155	1	LOG COMPOST PIT FOR LAWN AND GARDEN WASTES.
T4175	1	BROILER LITTER STORAGE FOR 200 TONS OF LITTER. 40' X 48'.
T4176	1	POULTRY LITTER STORAGE FOR 200 TONS OF LITTER. 36' X 70'. SHED ROOF.

GENERAL BARN AND UTILITY SHED PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5559	2	FEEDING BARN. 30' X 56' FRAME WITH GAMBREL ROOF.
5663	1	TWO-STORY BRACED RAFTER BARN FRAMING. 38' WIDE.
5780	3	POLE BARN. 39' X 60' OR 52' X 60'. RIDGE BETWEEN POLES.
5781	3	POLE BARN. 39' X 60' OR 52' X 60'. RIDGE CENTERED ON POLE.
5782	3	POLE BARN. 39' X 60' OR 52' X 60'. 26' ROOF TRUSS PLUS SHEDS.
5794	2	MULTI-PURPOSE POLE BARN. 30' X 60' CLEAR SPAN.
5833	1	WALLS, DOORS AND WINDOWS FOR POLE TYPE BUILDINGS.
5929	2	TWO-CAR GARAGE. 24' X 24' FRAME CONSTRUCTION.
5930	2	TWO-CAR GARAGE. 24' X 24' POST CONSTRUCTION.
6086	3	STORAGE SHEDS. 12' X 16'. CONCRETE FLOOR. 4 TYPES.
6093	1	"LITTLE RED BARN" STORAGE BUILDING. 10' X 12' CONCRETE FLOOR.
6099	1	MOVABLE SHED. 12' X 12'. DOOR AND SWING-UP SIDE OPENING.
6100	2	UTILITY SHED. 8' X 8' OR 8' X 16'. SLIDING DOOR. SHED ROOF.
6267	1	GENERAL BARN. 18' X 30' WOOD FRAME CONSTRUCTION.
6268	1	GENERAL BARN. 24' X 30' WOOD FRAME CONSTRUCTION.
6283	1	LAWN TOOL STORAGE. PLYWOOD SHELVING.
6284	3	OUTDOOR GARDEN TOOL STORAGE BUILDING. 6' X 8' PLYWOOD.
6345	1	CONTEMPORARY CARPORT & SHOP WITH STORAGE LOFT. 20' X 34'.
6356	1	PAVILION WITH STORAGE. 24' X 36' POLE CONSTRUCTION.
6415	1	DRIVEWAY PLANNING GUIDES FOR ONE- & TWO-CAR GARAGES.
T4101	1	GENERAL-PURPOSE POLE BARN. 30' CLEAR SPAN PLUS 14' SIDE SHED.
T4157	2	40' X 44' GENERAL BARN. (20' RAISED CENTER PLUS TWO 12' SIDE SHEDS)
T4161	2	36' X 48' GENERAL BARN. (12' RAISED CENTER PLUS TWO 12' SIDE SHEDS)

FENCE AND CATTLE GUARD PLANS

PLAN NO.	NO. PAGES	PLAN DESCRIPTION
5467	1	AUTOMATIC GATE.
5505	1	FARM GATES. FIVE GATES, STILE & FENCE PASSES.
6051	2	CATTLE GUARDS. WOOD FRAME AND CONCRETE. (REPLACES 5903 & 5904)
6151	1	TELESCOPING TYPE GATE. PIPE CONSTRUCTION.
6162	1	CABLE FENCING. CONCRETE POSTS.
6286	2	TYPES OF WOOD FENCING FOR THE HOME AND GARDEN.
6365	1	VARIABLE CLEARANCE GATE. PIPE CONSTRUCTION.

PB1590 05/09 09-0203

Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development. University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating. UT Extension provides equal opportunities in programs and employment.