

MWPS-75265

16 x 20 Milkhouse

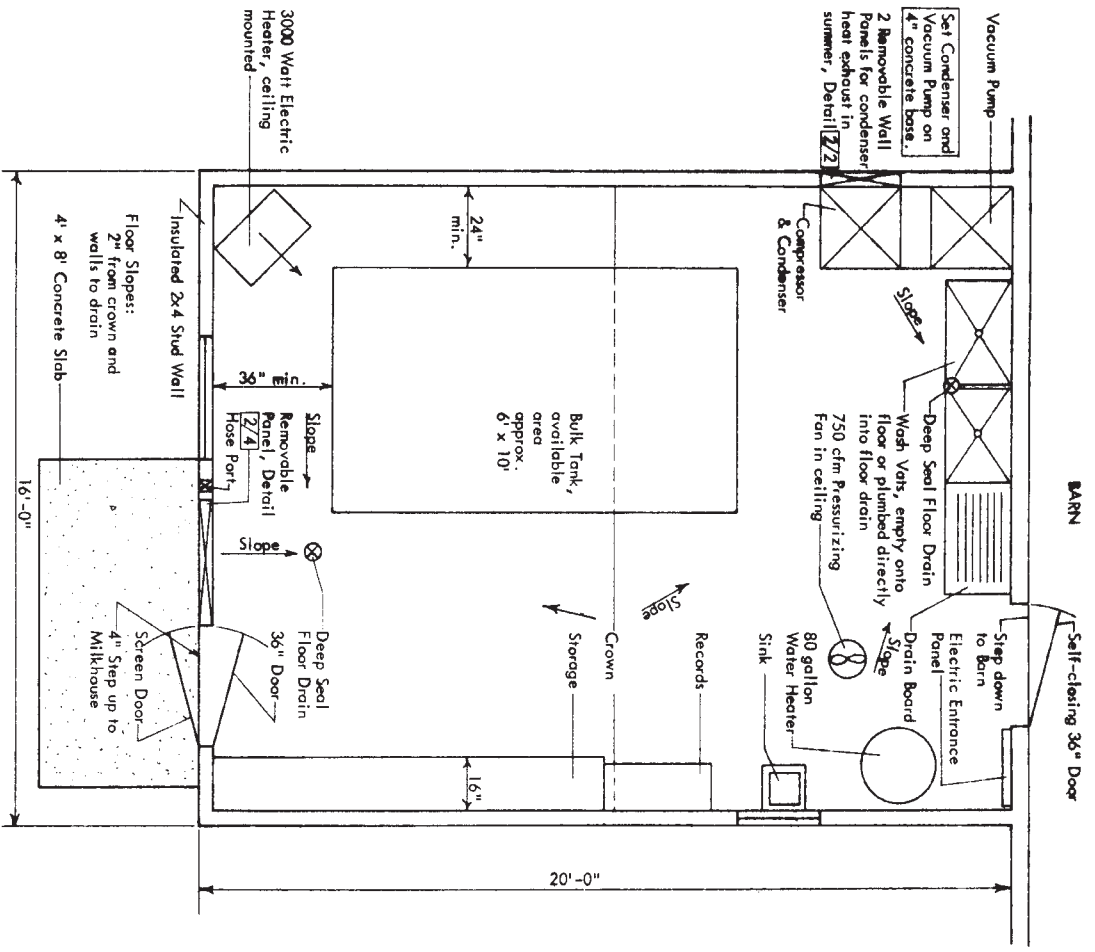
CAUTION!

Additional professional services will be required to tailor this plan to your situation, including but not limited to: assurance of compliance with codes and regulations; review of specifications for materials and equipment; supervision of site selection, bid letting and construction; and provision for utilities, waste management, roads or other access. **Furthermore, any deviation from the given specifications may result in structural failure, property damage, and personal injury including loss of life.**

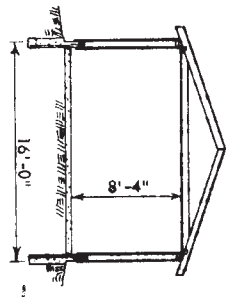
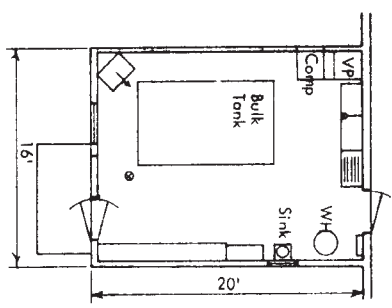
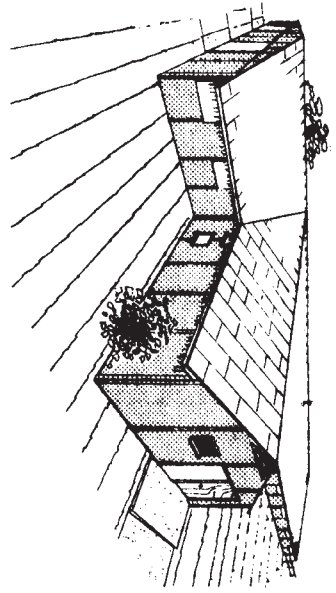
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Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region - USDA Cooperating
16 x 20 Milkhouse
Title Page
MIDWEST PLAN NO. 75265



FLOOR PLAN 1/1
 4" concrete slab, thicken to 8" under bulk tank.



Before you build this milkhouse consult with and get the approval of the health authorities having control of the sale of your milk.

- Lumber Specifications**
- Studs: Construction Grade (Doug Fir, Southern Yellow Pine or Hem Fir).
 - Rafters and Ceiling Joists: No. 2 Doug Fir, Southern Yellow Pine or Hem Fir).
 - Plywood: Roof Sheathing—3/8" C-C Ext. (Identification Index—2010) Sliding—3/8" C-C Ext with medium density overlay.
 - Sills and Fascia: Pressure Preservative Treated (Southern Yellow Pine or equivalent) Cressole—8 pct; Pentac—0.40 pct; ACC—0.25 pct; ACA or CCA (Type A or B)—0.23 pct.

Section & Detail Indicator

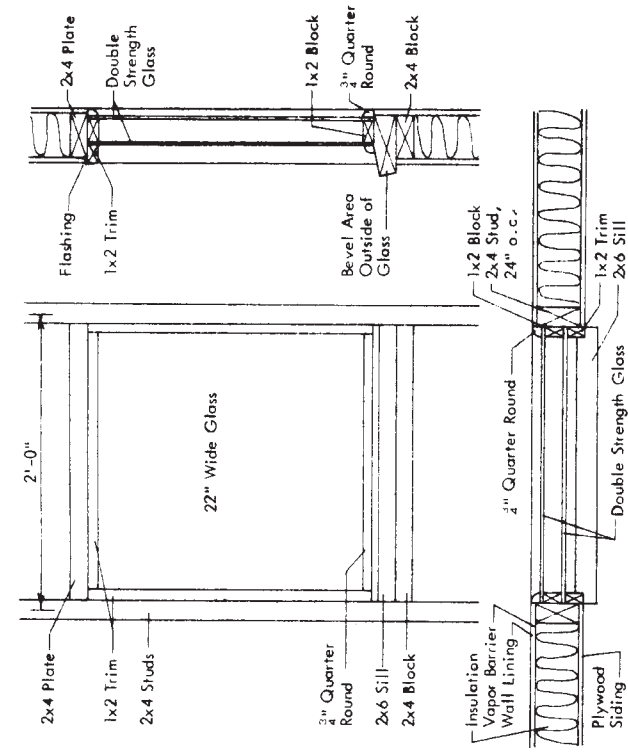
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Section or Detail No.	2

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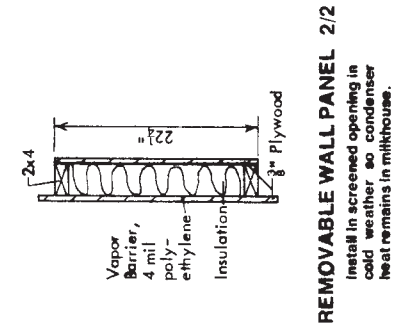
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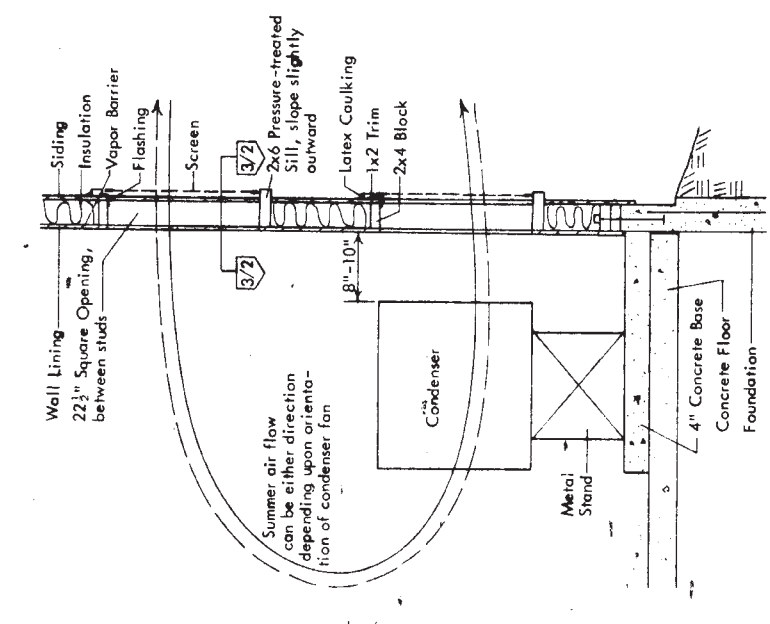
16 x 20 MILKHOUSE
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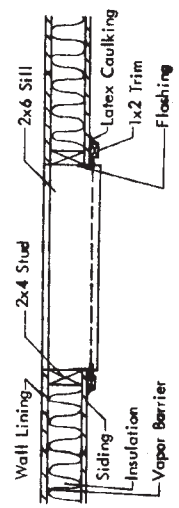
FIXED WINDOW FRAMING 4/2
Seal trim and quarter round with latex caulking.



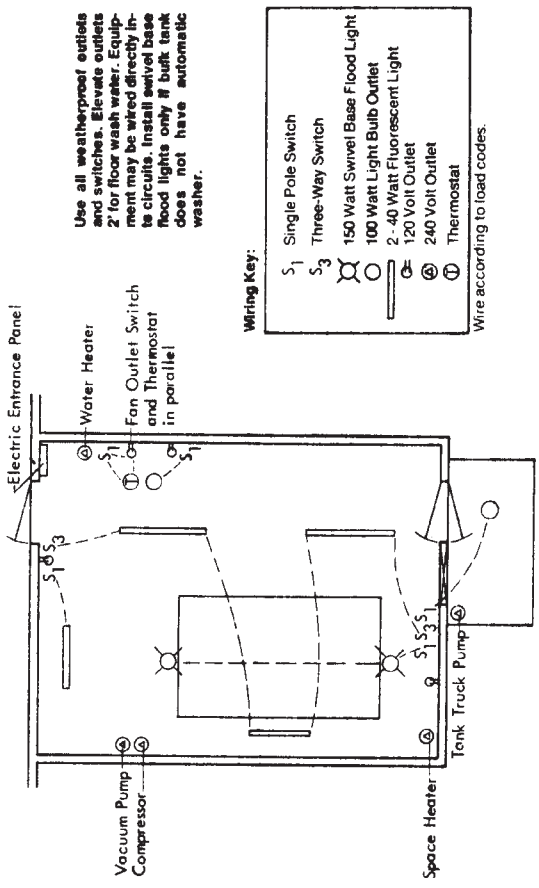
REMOVABLE WALL PANEL 2/2
Install in screened opening in cold weather so condenser heat remains in milkhouse.



CONDENSER VENTILATION DETAIL 1/2



SECTION 3/2



Use all weatherproof outlets and switches. Elevate outlets 2' for floor wash water. Equipment may be wired directly in to circuits. Install swivel base flood lights only if bulk tank does not have automatic washer.

Wiring Key:

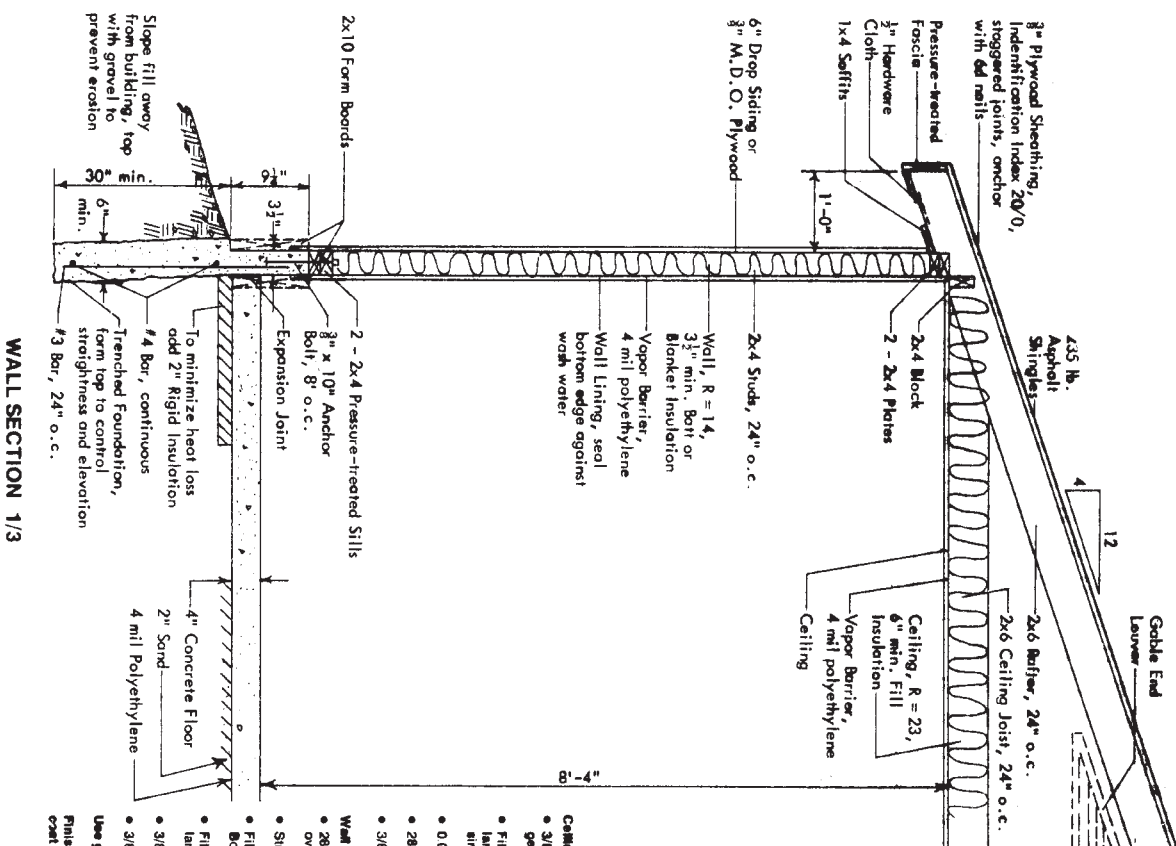
5-1	Single Pole Switch
5-3	Three-Way Switch
⊗	100 Watt Swivel Base Flood Light
⊙	150 Watt Swivel Base Flood Light
⊖	2-40 Watt Fluorescent Light
⊕	120 Volt Outlet
⊗	240 Volt Outlet
⊖	Thermostat

Wire according to load codes.

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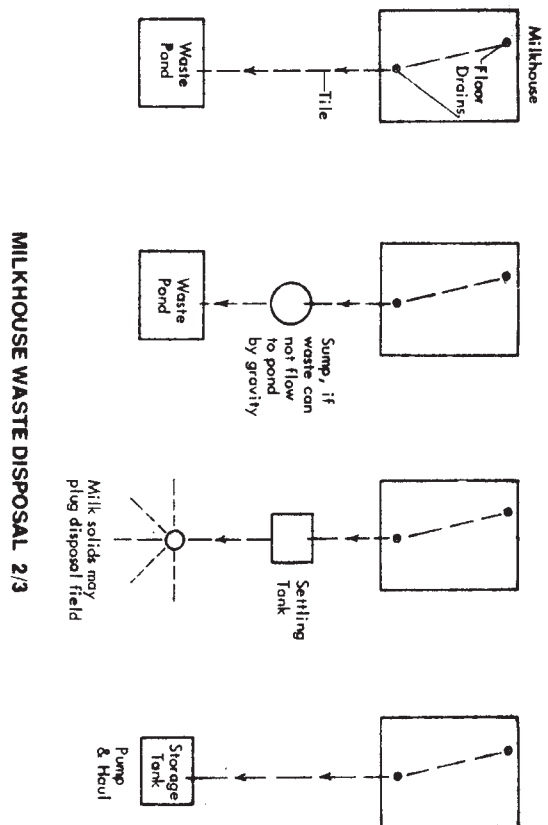
76 x 20 MILKHOUSE

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WALL SECTION 1/3

- Ceiling Alternatives:**
- 3/8" M.D.O. Plywood, painted staggered joints, anchor with 6d nails
 - Fiberglass reinforced plastic surface laminated on 3/8" Ext. Plywood, install similar to 3/8" M.D.O. Plywood
 - 0.024 in Aluminum
 - 28 ga Galv. Steel, with baked on paint
 - 3/8" Ext. Plywood, painted
- Wall Lining Alternatives:**
- 28 ga Galv. Steel, with baked on paint, over 3/8" Plywood
 - Structural Glazed Tile
 - Fiberglass Reinforced Polyester Resin Board
 - Fiberglass reinforced plastic surface laminated on 3/8" Ext. Plywood
 - 3/8" M.D.O. Plywood, painted
 - 3/8" Ext. Plywood, painted
- Use galv. nails except with aluminum.**
- Finish M.D.O. and Ext. Plywood with 2 coat acrylic-latex exterior paint system.**



MILKHOUSE WASTE DISPOSAL 2/3

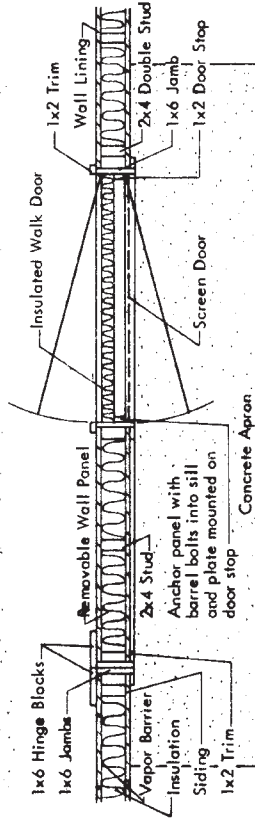
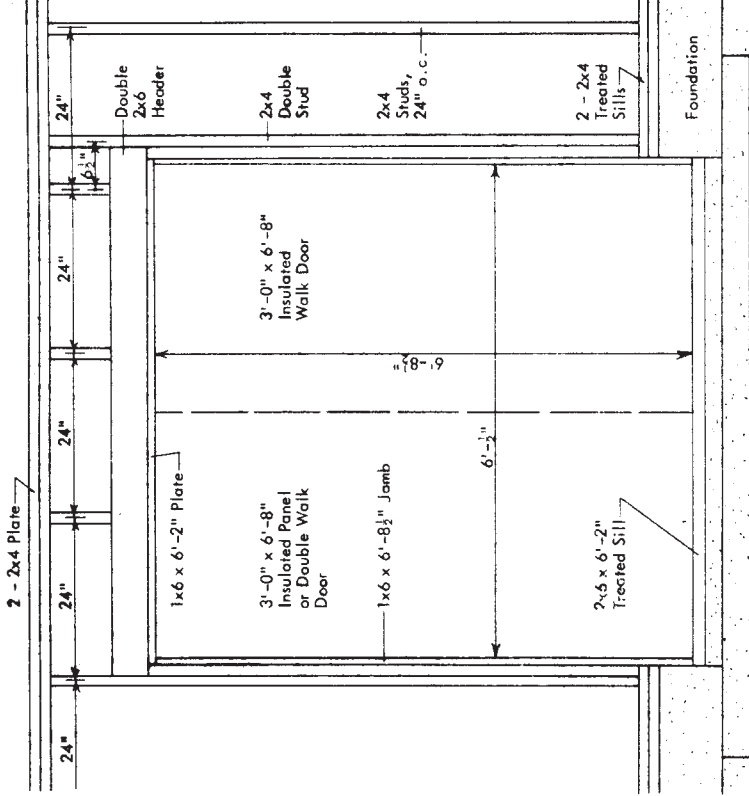
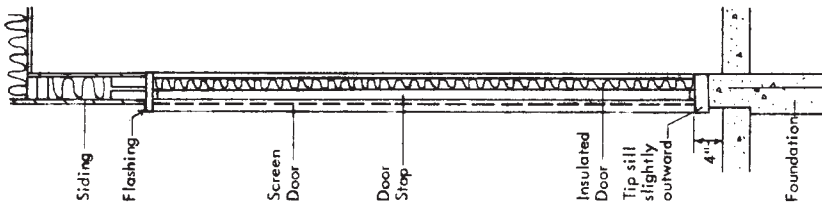
If liquid manure handling is used in the dairy barn, milkhouse wastes may go into the manure tank.

Check your waste disposal plan with local health authorities.

ESTIMATING LIST

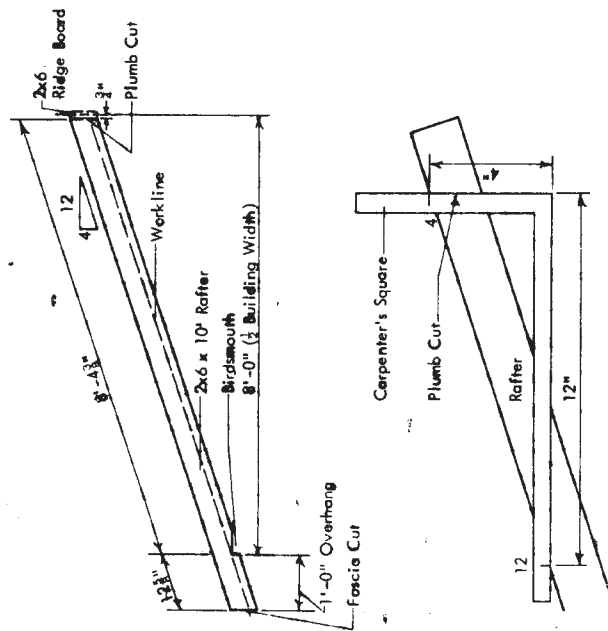
List does not include one endwall (existing barn wall) or material to extend roof to existing barn roof.

Building	Foundation	Concrete, cubic yards	Steel, Grade 36, lbs	2x4 S, ft	2x4 S, ft	2x4 Plates, and Blocks	2x6 S, ft	2x6 S, 10 ft long
3.5	110	5.25	100	410	11			



WALK DOOR AND REMOVABLE PANEL DETAIL 2/4

Seal trim and flashing with latex caulking.



RAFTER DETAIL 1/4

Anchor to plate with 2-16d toe nails.

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