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.

WARRANTY DISCLAIMER
This plan provides conceptual information only. Neither midwest plan service nor any of the cooperating land-grant universities, or their respective agents or employees, have made, and do not hereby make, any representation, warranty or covenant with respect to the specifications in this plan. 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.
FAN OPENING FRAMING—1/4
Seal fan housing with latex caulking.

ESTIMATING LIST
Concrete, cubic yards 98
Steel, Grade 35, lbs 450
Rafter, 27" Radius 134
Steel Columns, 8" dia 26
Studs and Plates 2x6's, feet 2400
Sills (pressure preservative treated) 2x6's, feet 340
Joists, Girders & Blocking 3400
Rafter & Blocking 2x4's, feet 950
Ceiling 1" matched, sq ft 4800
Skirting 3/8" M.D.O. plywood, sq ft 8850
Sheathing 5/8" sheathing plywood, sq ft 8850
Wall Lining, sq ft 2700
Casing, sq ft 4800
Roofing, sq ft 8850
Insulation, sq ft 2700
Sliding Doors, 18" & 4' 3
Staircases 40
Pills 4
Catt Stalls 8
Fans 5
Barn Cleaner, feet 340

MIDWEST PLAN SERVICE
Cooperative Extension Work in Agriculture and Home Economics and Agricultural Experiment Stations of North Central Region—USDA Cooperator
DAIRY BARN, 40 TIE-STALLS
Gulfic Arch, Barn Cleaner

MIDWEST PLAN NO. 72328
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