Important: Warranty Disclaimer for Plans

For the convenience of our clientele, this website makes available conceptual plans that can be helpful in planning buildings, facilities, or other structures. They were developed over many years by engineers at Land Grant universities through the former USDA Cooperative Farm Buildings Plan Exchange. *Regardless of the original intent, these are older plans that provide conceptual information only, and are not to be considered or used as construction plans.*

These plans do not claim to represent the most current technology or the most recent construction techniques, standards, or codes. For example, over the years there have been changes in the National Design Specifications for Wood Construction, changes in the strengths and types of building materials, and changes in fasteners, among other things. Those changes, along with variations in climate, building codes, and other factors, make it imperative that professional services be utilized for your specific project. Suggested services include, but are not limited to, structural design, assurance of compliance with codes and regulations, site selection, construction supervision, and provision for utilities, waste management, and access. *These plans do not replace the need for competent design assistance in developing safe, legal, and well-functioning agricultural buildings and systems.*

*Neither the University of Kentucky, the Midwest Plan Service, the United States Department of Agriculture, nor any of the cooperating Land Grant universities, warranty these plans. They are for conceptual use only and are not for use as construction plans.*
BILL OF MATERIALS

BRICK CONSTRUCTION
325 BRICK (COMMON OR FACE)
44 FIREBRICK
1 FLUE LINING 5½ B"x 2½" RODS 3½" X 2½"
1 STEEL PLATE 3¾ x 3½ x 1½"
1 STEEL PLATE 3¾ x 2½ x 1½"
1 STEEL PLATE 3¾ x 1½ x 1½"
9 PCS. OF 3/4" PIPE 3' L.O.
MORTAR:
2 96 LB. SACKS PORTLAND CEMENT
200 LB. HYDRATED LIME
800 LB. MASON SAND
CONCRETE BASE:
2 96 LB. SACKS PORTLAND CEMENT
400 LB. SAND
500 LB. GRAVEL OR STONE

NOTE:
ONE END OF 3/8" RODS IS PLACED IN 3/8" PIPE TO ALLOW RODS TO EXPAND.

ISOMETRIC
BRICK CONSTRUCTION
SCALE: 1" = 1'-0"

BILL OF MATERIALS
FLAT STONE CONSTRUCTION
37 FIREBRICK (9½ x 4½ x 2½"
20 CU. FT. FLAT STONE
2 CU. FT. MORTAR (1:3 MIX)
1 GRILL 20½ x 26½"
MADE FROM 4½ x 1½"
STEEL FRAME & ¾" SQ. BARS COMPLETELY WELDED
FOUNDATION: 2½ x 3 MIX CEMENT-3 SACKS
SAND-7 CU. FT.
GRAVEL-1½ CU. FT.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING
OUTDOOR FIREPLACES
USDA '76 6261 SHEET 2 OF 2