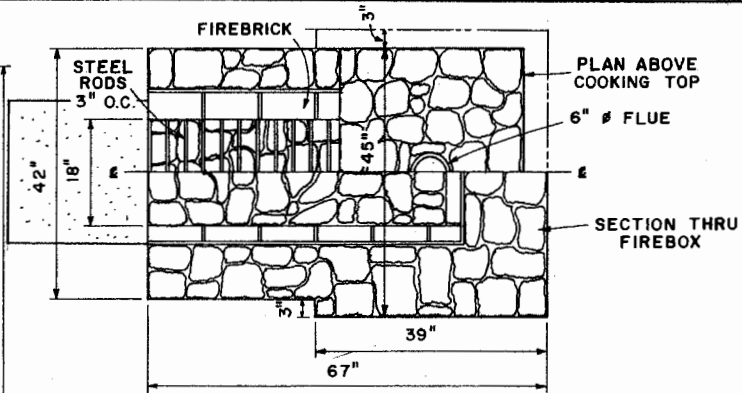


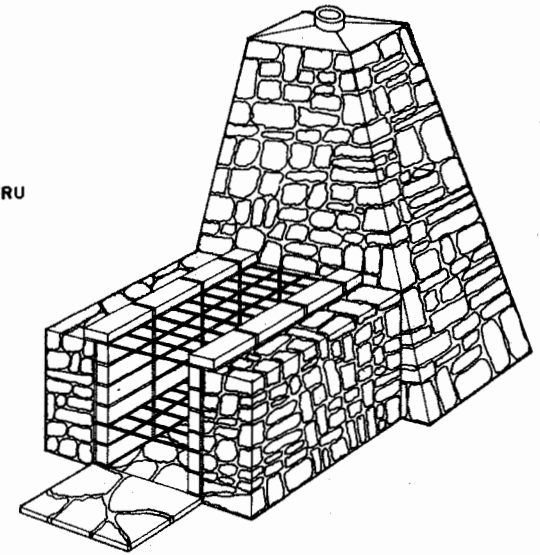
SECTION



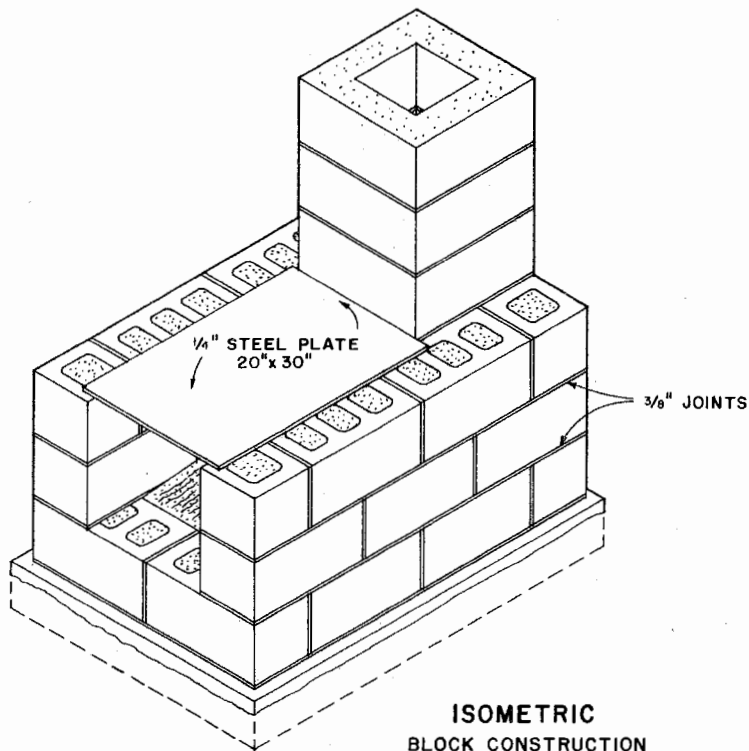
PLAN

**BILL OF MATERIALS**  
STONE CONSTRUCTION

- 50 CU. FT. NATIVE STONE
- MORTAR: 1:3 MIX
- 5 BAGS CEMENT
- 11 CU. FT. SAND
- 98 FIREBRICK
- 3 STEEL BARS 1/2"x1"x22"
- 28 STEEL RODS 1/2" # x 22"
- 1 FLUE LINING OR TILE 6" # x 50"
- 1 DAMPER 6" #

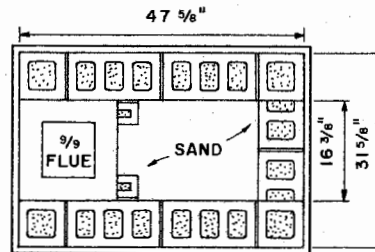


PERSPECTIVE



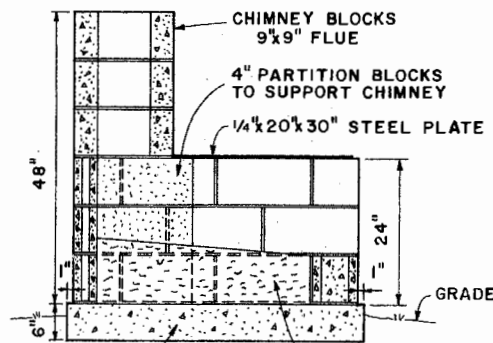
ISOMETRIC  
BLOCK CONSTRUCTION

SCALE: 1"=1'-0"



PLAN

STEEL PLATE NOT SHOWN



SECTION

**BILL OF MATERIALS**

CONCRETE BLOCK CONSTRUCTION

- 16 REGULAR BLOCKS 8"x8"x16"
- 6 HALF BLOCKS 8"x8"x8"
- 9 PARTITION BLOCKS 4"x8"x16"
- 3 CHIMNEY BLOCKS (9"x9" OPENING 17"x8"x17")
- 1 STEEL PLATE 1/4"x20"x30"
- MORTAR:
- 1 96 LB. SACK PORTLAND CEMENT
- 100 LB. HYDRATED LIME
- 300 LB. MASON SAND
- CONCRETE BASE:
- 2 96 LB. SACKS OF PORTLAND CEMENT
- 400 LB. SAND
- 500 LB. GRAVEL OR STONE

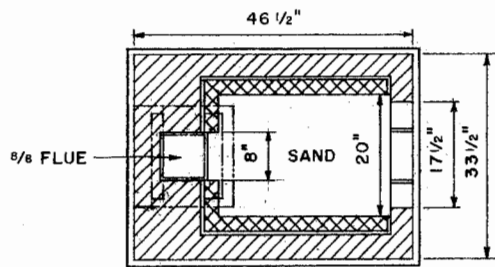
BASED ON: OREGON, VIRGINIA AND NATIONAL PARK SERVICE PLANS.



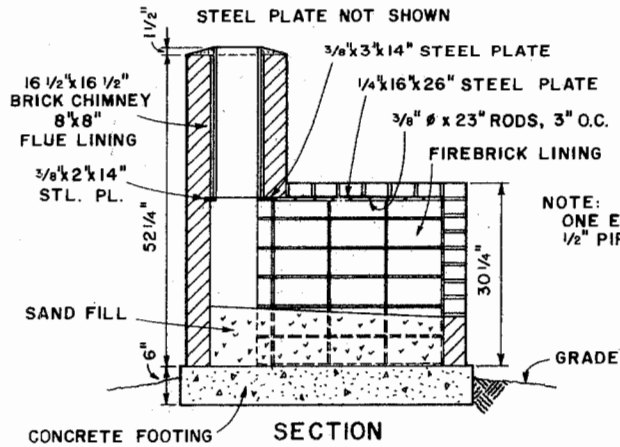
SCALE: 3/4"=1'-0" UNLESS OTHERWISE NOTED.



OUTDOOR FIREPLACES



PLAN



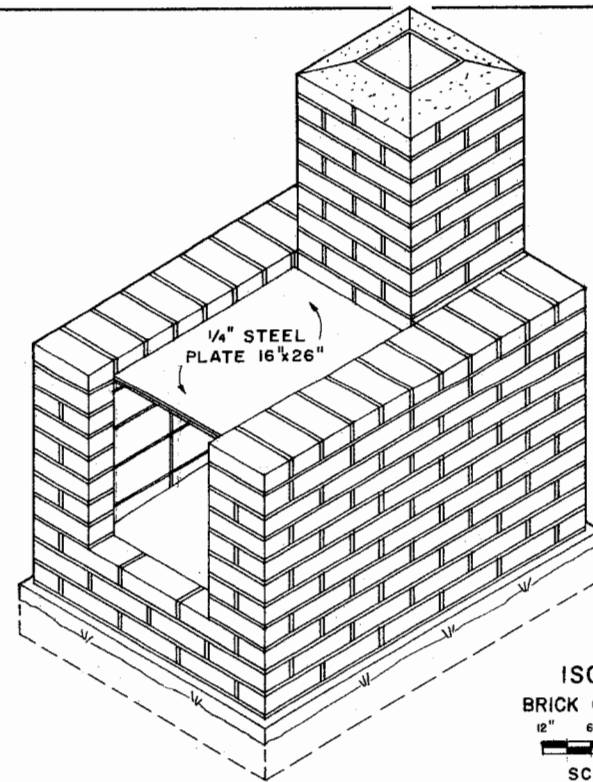
SECTION

NOTE:  
ONE END OF 3/8" Ø RODS IS PLACED IN  
1/2" PIPE TO ALLOW RODS TO EXPAND.

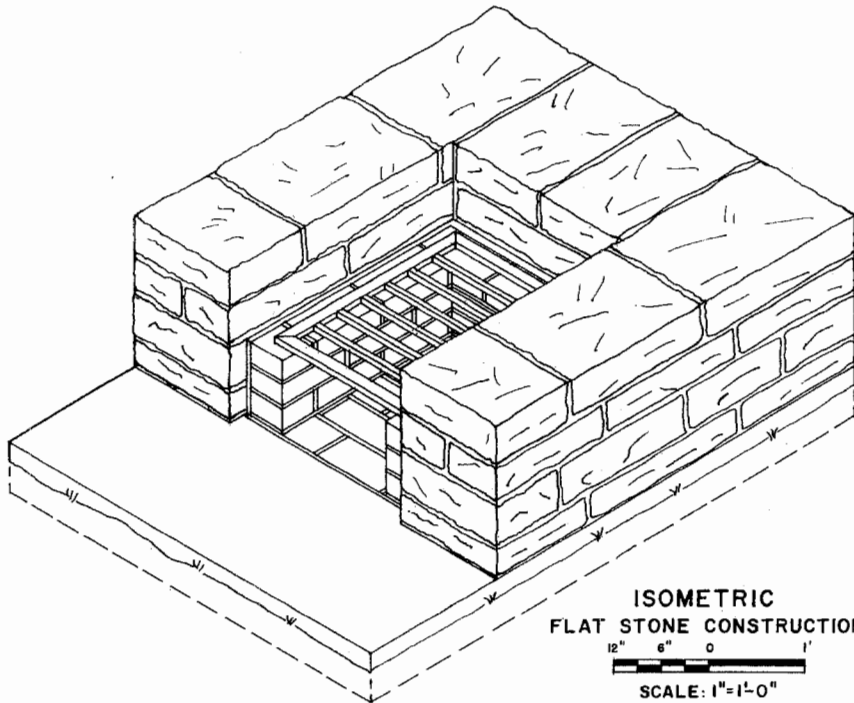
**BILL OF MATERIALS**

**BRICK CONSTRUCTION**

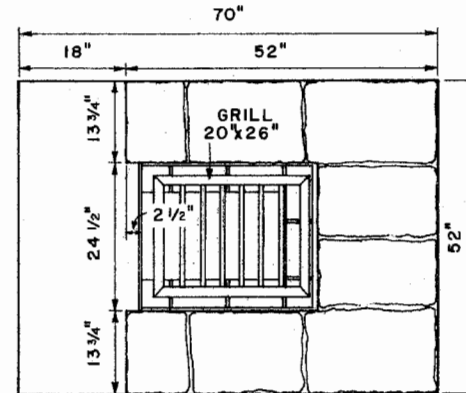
- 325 BRICK (COMMON OR FACE)
  - 44 FIREBRICK
  - 1 FLUE LINING 8"x8"
  - 9 RODS 3/8" Ø x 23"
  - 1 STEEL PLATE 3/8"x3"x14"
  - 1 STEEL PLATE 3/8"x2"x14"
  - 1 STEEL PLATE 1/4"x16"x26"
  - 9 PCS. OF 1/2" PIPE 3" LG.
- MORTAR:**
- 2 96 LB. SACKS PORTLAND CEMENT
  - 200 LB. HYDRATED LIME
  - 800 LB. MASON SAND
- CONCRETE BASE:**
- 2 96 LB. SACKS PORTLAND CEMENT
  - 400 LB. SAND
  - 500 LB. GRAVEL OR STONE



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



ISOMETRIC  
FLAT STONE CONSTRUCTION  
SCALE: 1"=1'-0"



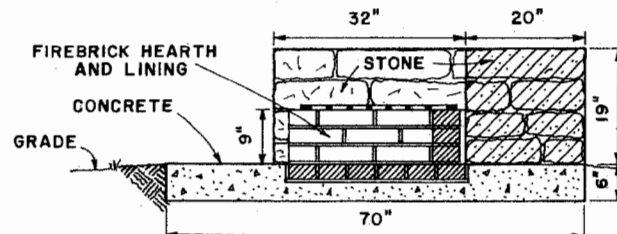
PLAN

**BILL OF MATERIALS**

**FLAT STONE CONSTRUCTION**

- 37 FIREBRICK (9"x4 1/2"x2 1/2")
  - 20 CU. FT. FLAT STONE
  - 2 CU. FT. MORTAR (1:3 MIX)
  - 1 GRILL 20"x26"x 3/4"
- MADE FROM 3/4"x1 1/2" SQ. STEEL FRAME & 3/4" SQ. BARS COMPLETELY WELDED
- FOUNDATION:** 1:2 1/4:3 MIX CEMENT-3 SACKS SAND-7 CU. FT. GRAVEL-11 1/4 CU. FT.

SCALE: 3/4"=1'-0" UNLESS OTHERWISE NOTED.



SECTION



**OUTDOOR FIREPLACES**

## Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.