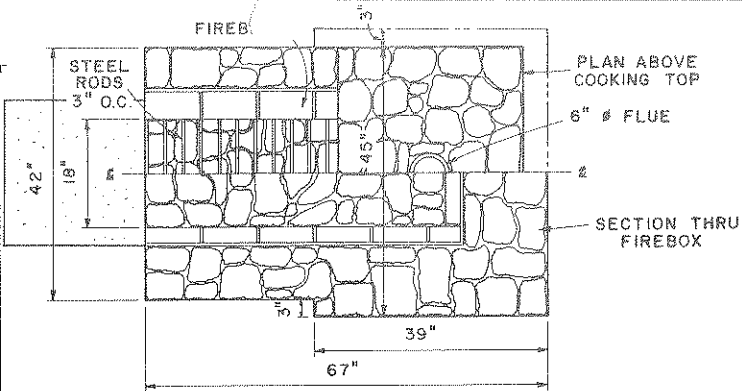
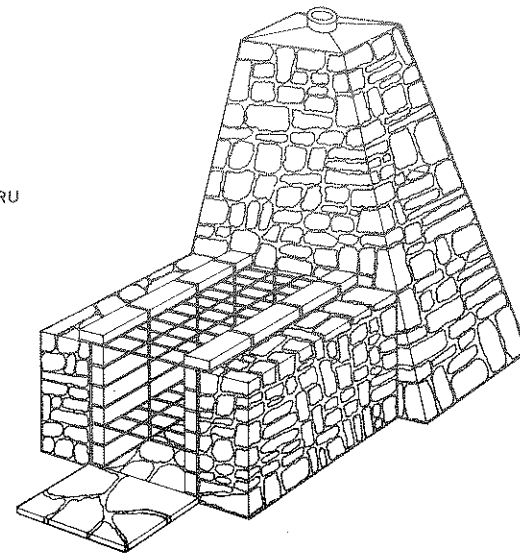


SECTION



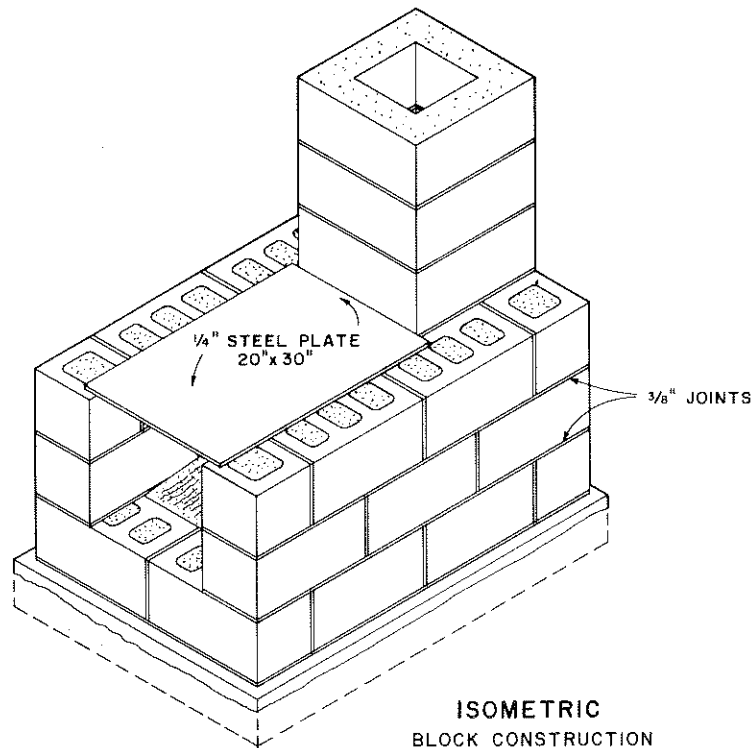
PLAN



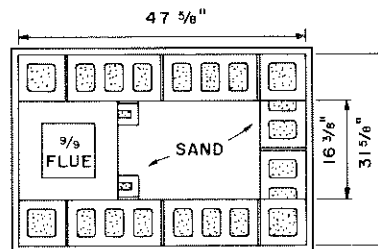
PERSPECTIVE

BILL OF MATERIALS

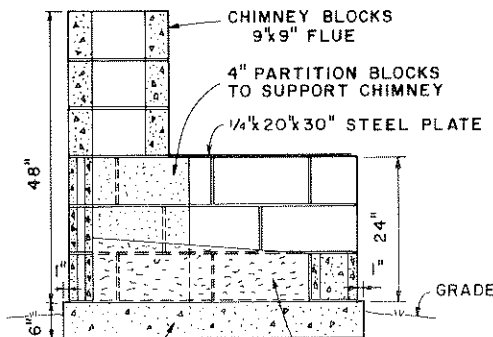
- STONE CONSTRUCTION
- 50 CU. FT. NATIVE STONE
 - MORTAR: 1:3 MIX
 - 5 BAGS CEMENT
 - 11 CU. FT. SAND
 - 98 FIREBRICK
 - 3 STEEL BARS 1/2"x1"x22"
 - 28 STEEL RODS 1/2" Ø x 22"
 - 1 FLUE LINING OR TILE 6" Ø x 50"
 - 1 DAMPER 6" Ø



ISOMETRIC
BLOCK CONSTRUCTION



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.

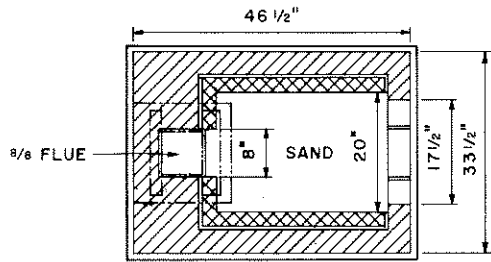


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OUTDOOR FIREPLACES

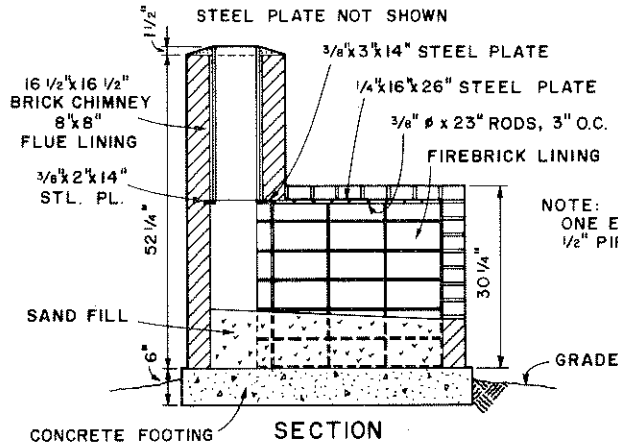
USDA '76 6261 SHEET 1 OF 2



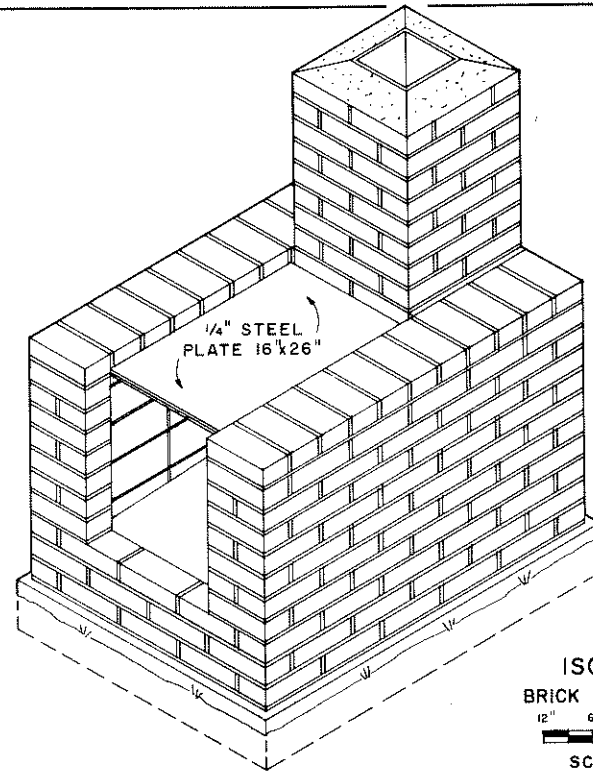
PLAN

BILL OF MATERIALS

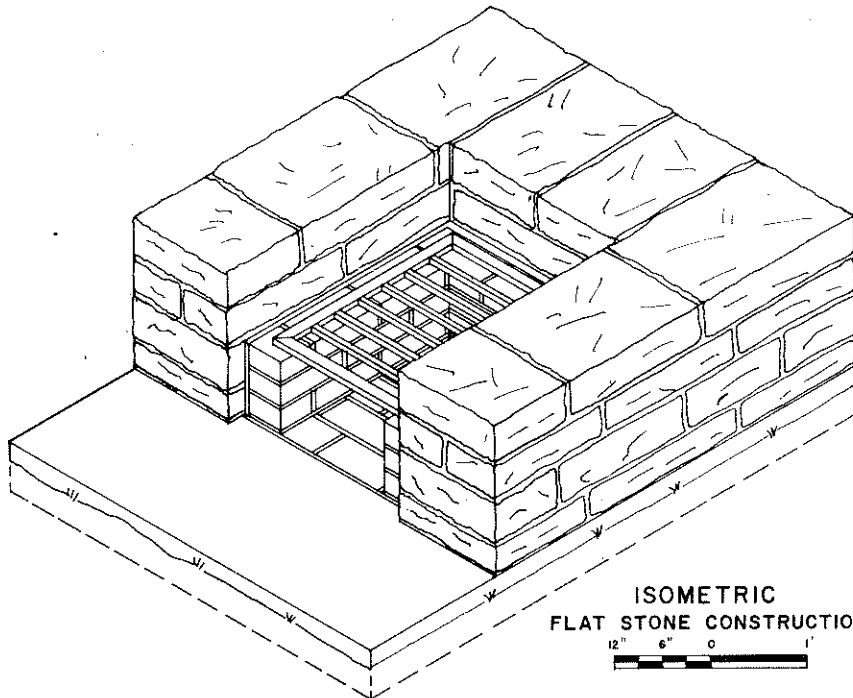
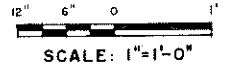
- BRICK CONSTRUCTION**
- 325 BRICK (COMMON OR FACE)
 - 44 FIREBRICK
 - 1 FLUE LINING 8"x8"
 - 9 RODS 3/8" ϕ x 23"
 - 1 STEEL PLATE 3/8"x3"x14"
 - 1 STEEL PLATE 3/8"x2"x14"
 - 9 PCS. OF 1/2" PIPE 3" LG.
- MORTAR:**
- 2 96 LB. SACKS PORTLAND CEMENT
 - 200 LB. HYDRATED LIME
 - 800 LB. MASON SAND
- CONCRETE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



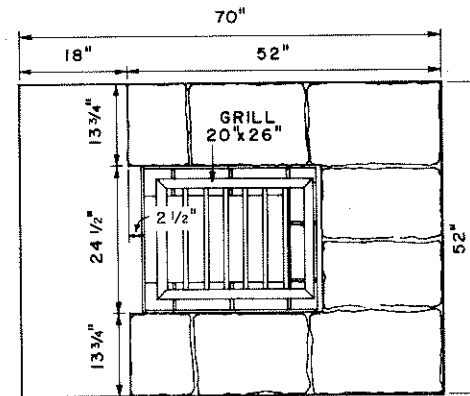
SECTION



ISOMETRIC
BRICK CONSTRUCTION



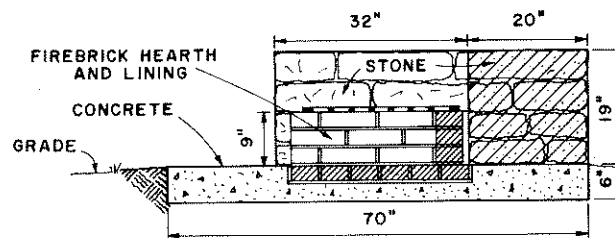
ISOMETRIC
FLAT STONE CONSTRUCTION



PLAN

BILL OF MATERIALS
FLAT STONE CONSTRUCTION

- 37 FIREBRICK (9 1/4 x 1/2 x 2 1/2")
 - 20 CU. FT. FLAT STONE
 - 2 CU. FT. MORTAR (1:3 MIX)
 - 1 GRILL 20"x26"x3/4"
- MADE FROM 3/4"x1 1/2" 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.



SECTION

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OUTDOOR FIREPLACES

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