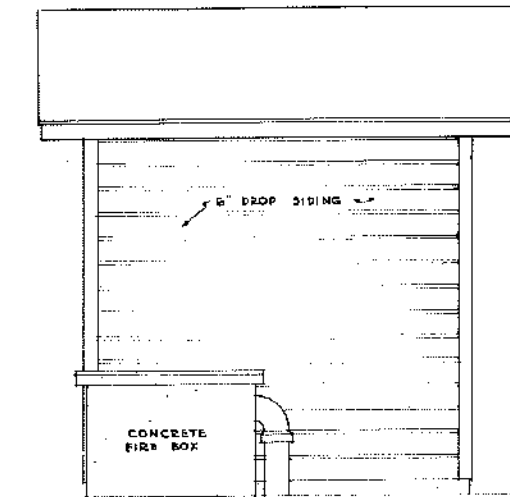
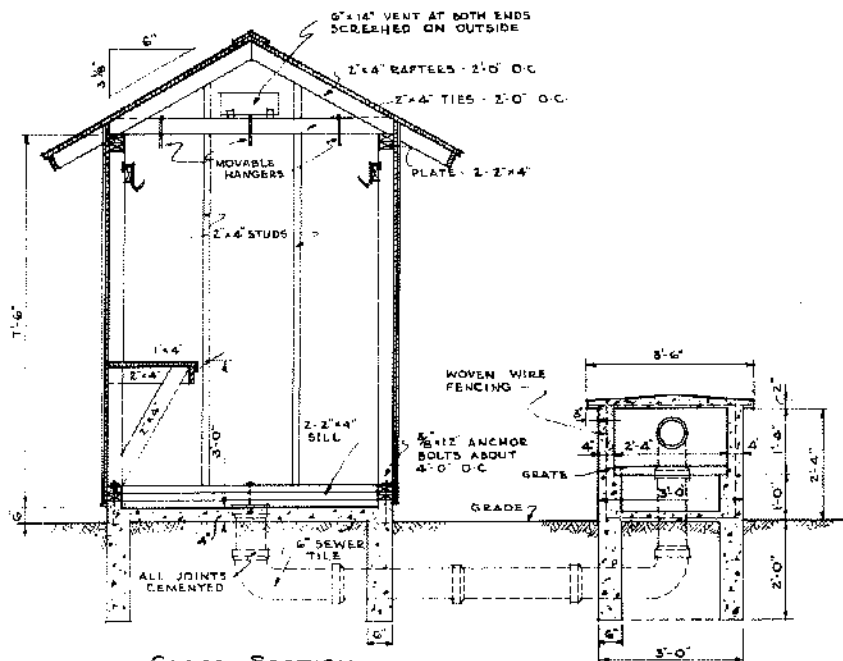


FLOOR PLAN
SCALE $\frac{1}{2}'' = 1'-0''$

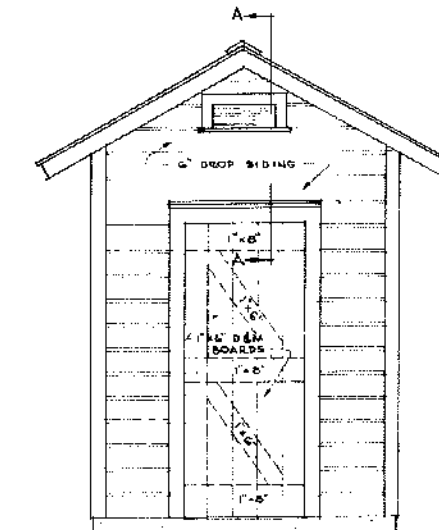


SIDE ELEVATION
SCALE $\frac{1}{2}'' = 1'-0''$

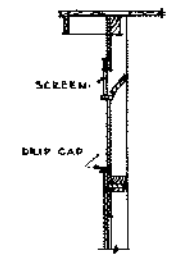
CONCRETE SHOULD BE REINFORCED WITH WOVEN WIRE FENCING & ADDITIONAL RODS AROUND DOORS. SCRAP RODS FREE FROM RUST MAY BE USED FOR THIS PURPOSE. THE TOP SHOULD BE REINFORCED WITH 3- $\frac{1}{4}''$ RODS OR THEIR EQUIVALENT IN ADDITION TO WOVEN WIRE FENCING. DOORS MAY BE MADE OF SHEET METAL. DOORS FROM AN OLD HEATING STOVE WILL ANSWER. GRATES MAY BE MADE OF PIPES, RODS OR OLD STOVE OR FURNACE GRATES. IF IT IS DESIRED TO HEAT WATER FOR FEED OR BUTCHERING A HOLE MAY BE MADE IN THE TOP SLAB OR THE TOP MAY BE REMOVED AND REPLACED WITH A SHALLOW VAT. USE A TEE CONNECTION IN PLACE OF THE ELBOW AT THE BACK OF THE FIRE BOX PERMITTING A VERTICAL SMOKE PIPE WHICH WILL INCREASE THE DRAFT & FACILITATE HEATING. MOVABLE HANGERS MAY BE MADE FROM $\frac{3}{8}''$ ROUND RODS.



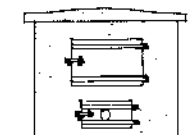
CROSS SECTION
SCALE $\frac{1}{2}'' = 1'-0''$



END ELEVATION
SCALE $\frac{1}{2}'' = 1'-0''$

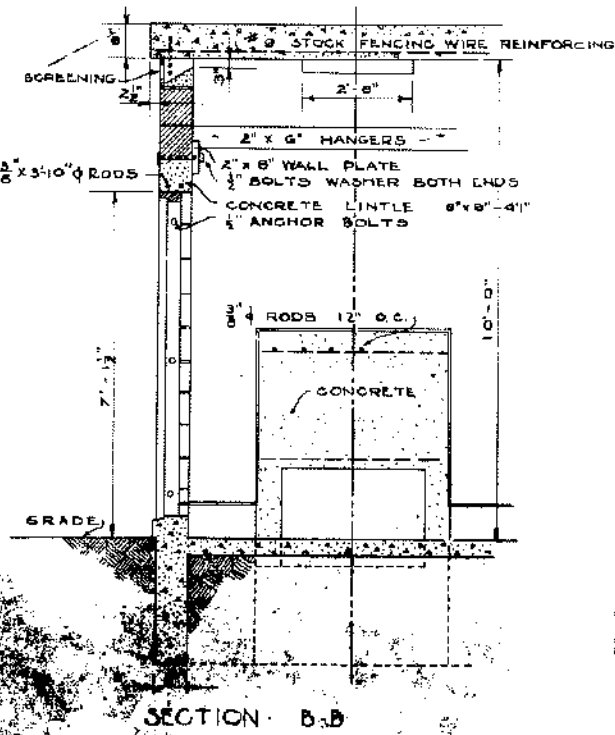
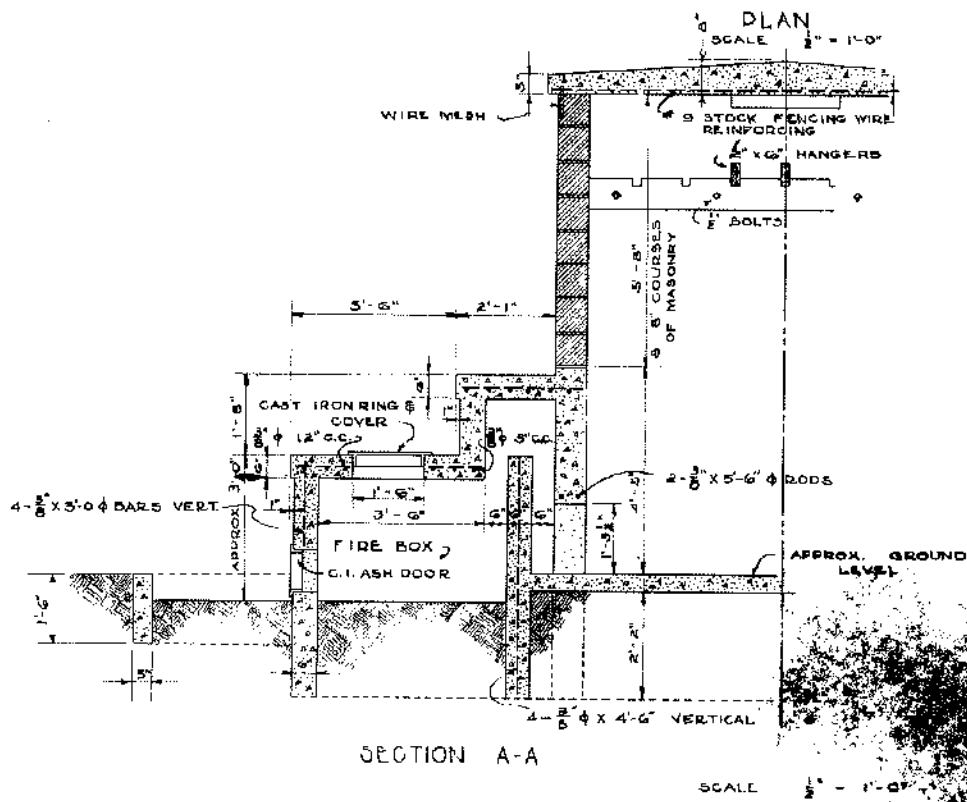
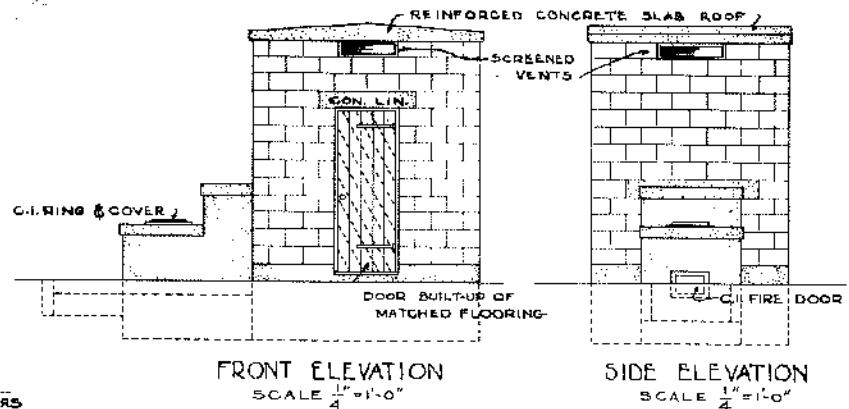
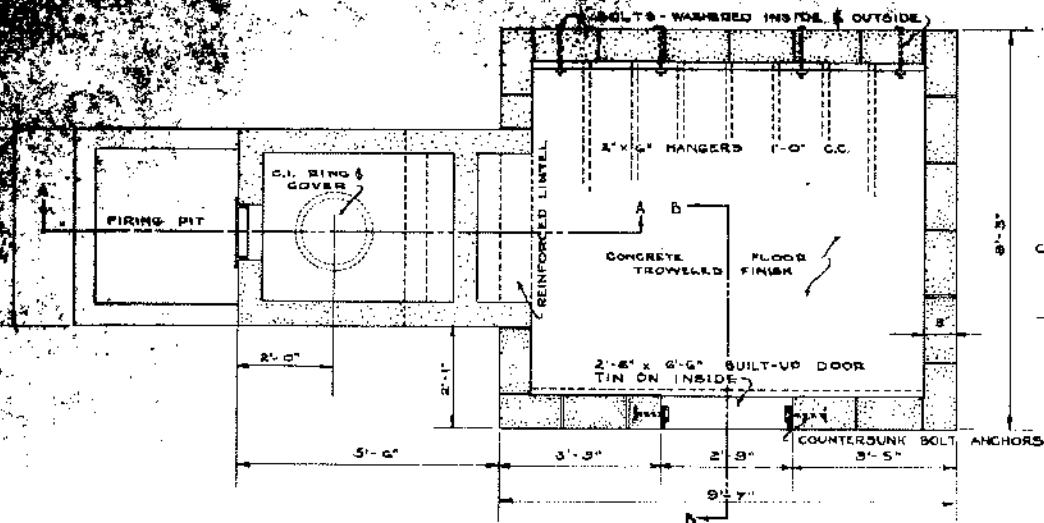


SECTION A-A



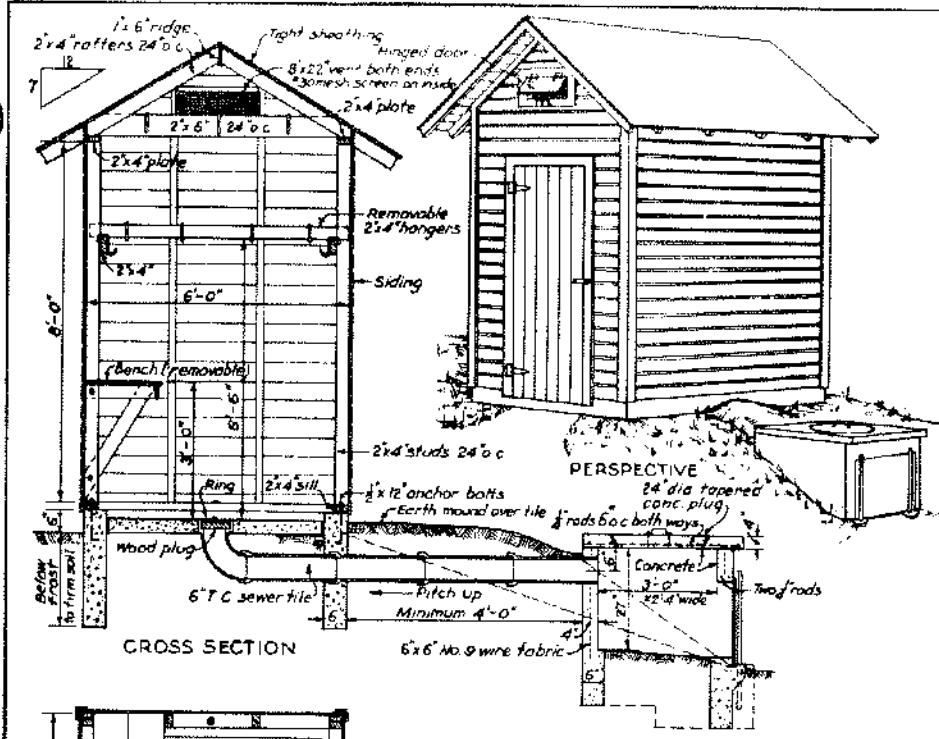
COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF NORTH DAKOTA
NORTH DAKOTA AGRICULTURAL COLLEGE
AND
U. S. DEPT. OF AGRICULTURE COOPERATING
EXT. AGR'L. ENGINEER-FARGO, N. DAK.

FLAME SMOKE HOUSE



COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF NORTH DAKOTA
NORTH DAKOTA AGRICULTURAL COLLEGE
AND
U.S. DEPT. OF AGRICULTURE COOPERATING
EXT. AGR'L. ENGINEER - FARGO, N. DAK.
MASONRY SMOKE HOUSE
NO. 151 516 - 33 EX. 5452 SHEET 1 OF 1

ADAPTED FROM PORTLAND CEMENT ASSN. PLAN



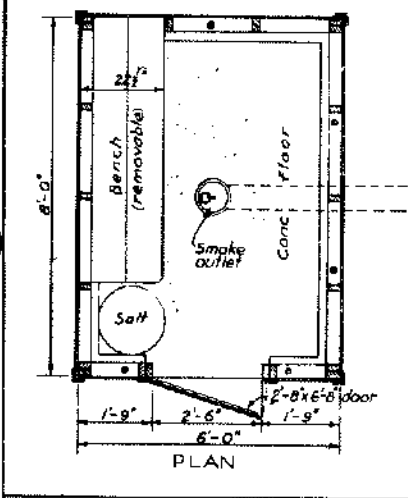
**BILL OF MATERIALS
SMOKEHOUSE**
CONCRETE 1:3:5 mix
10 bags cement 1 cu yd sand, 1/2 cu yds gravel

LUMBER
3 pieces 2" x 6" x 6'-0" cross ties
3 " 2" x 4" x 12'-0" header, bench and hangers
12 " 2" x 4" x 10'-0" sills, studs, and rafters
23 " 2" x 4" x 8'-0" " " plates, and hangers
2 " 1" x 10" x 8'-0" bench and vent doors
2 " 1" x 6" x 10'-0" ridge and trim
2 " 1" x 6" x 7'-0" door battens
6 " 1" x 4" x 10'-0" corner boards and trim
6 " 1" x 4" x 8'-0" trim
6 " 1" x 6" x 7'-0" T & G boards for door
275 ft B.M. 6" drop siding
120 ft B.M. roof sheathing
Roofing or asphalt shingles to cover 100 sq ft roof area

MISCELLANEOUS
7-1/2" x 12" anchor bolts, with nuts and washers
1 pair 8" Tee hinges, 1 safety hasp
2-pair 2" x 2" hinges for vent doors
1-piece metal flashing-6" x 40"
4 lin ft #30-mesh wire screen-10" wide
4 lengths 6" T.C. sewer pipe, 1-6" 90° T.C. elbow
Nails, hanging hooks, and paint not included

FIREBOX
CONCRETE 1:2:3 mix
6 bags cement, 1/2 cu yd sand, 3/4 cu yd broken hard brick, gravel or stone, (brick more heat resistant)

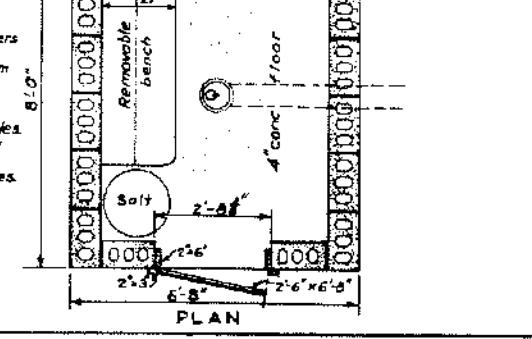
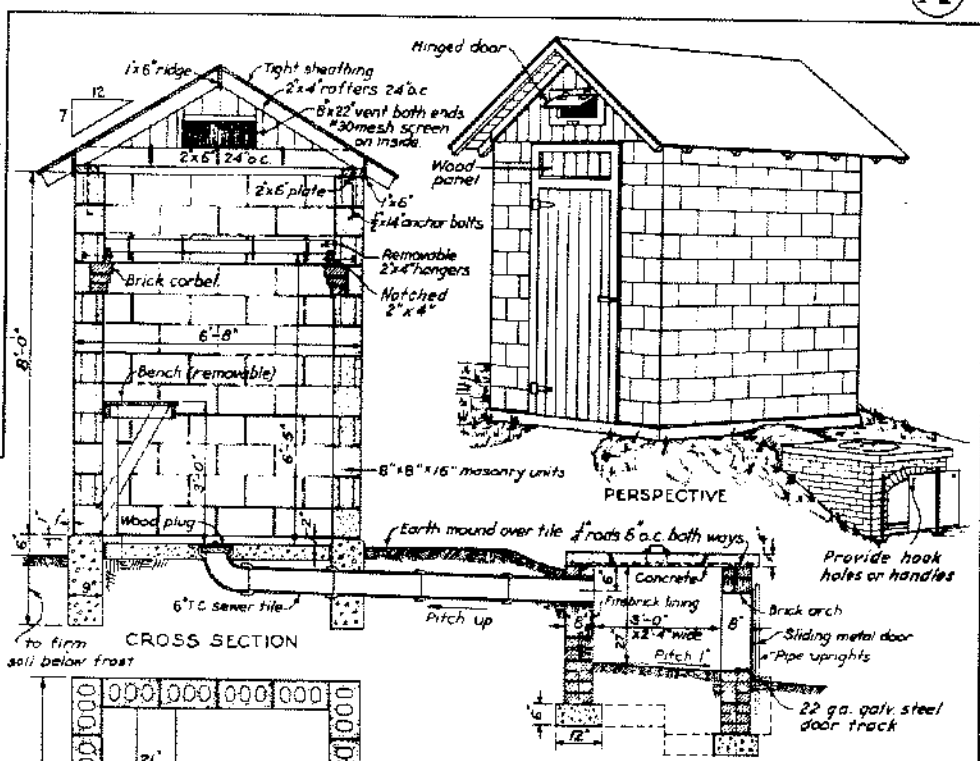
MISCELLANEOUS
10 lin ft 6" x 6" No. 9 wire fabric 30" wide
6 pieces 1/2" steel rods 42" long
10 " " " " 32" "
2 " " " pipe 36" long
1-piece 24" x 32" metal, sliding door



**BILL OF MATERIALS
SMOKEHOUSE**
CONCRETE AND MORTAR
Concrete 1:3:5 mix. Mortar 1:3 + 10% lime.
14 bags cement, 1/2 cu yds sand, 2 cu yds gravel
65 lbs hydrated lime
142 8" x 8" x 16" smooth face masonry units.
12 8" x 4" x 16" " " " " " " " "
2 8" x 4" x 8" " " " " " " " "
14 8" x 8" x 8" " " " " " " " "
52 8" x 8" x 16" " " " " " " " "
12 8" x 8" x 16" " " " " " " " "
12 8" x 8" x 8" " " " " " " " "
100 common brick

LUMBER
4 pieces 2" x 6" x 8'-0" plates and door jambs.
6 " 2" x 6" x 7'-0" " " cross ties
10 " 2" x 4" x 10'-0" rafters, gable and studs.
7 " 2" x 4" x 6'-0" bench and removable hangers
3 " 2" x 3" x 8'-0" door casing
5 " 1" x 6" x 10'-0" " " battens, ridge, trim
1 " 1" x 4" x 10'-0" trim
1 " 1" x 12" x 6'-0" bench
1 " 1" x 10" x 10'-0" and vent doors
120 ft B.M. roof sheathing 56 ft B.M. 1/2" x 6" T16 door gables
Roofing or asphalt shingles to cover 100 sq ft roof area

MISCELLANEOUS
8-1/2" x 14" anchor bolts 1 pr. 8" Tee hinges 1 pr. 2" x 2" hinges.
6" x 38" metal flashing. 4 lin. ft #30 mesh screen 10" wide.
Nails, hanging hooks, and paint not included



COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
STATE OF FLORIDA
UNIVERSITY OF FLORIDA
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATIVE

SMOKE HOUSE

USDA	EX. 5695	SHEET 1 OF 1
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EXT. ENGR. ENGINEER - GAINESVILLE, FLORIDA