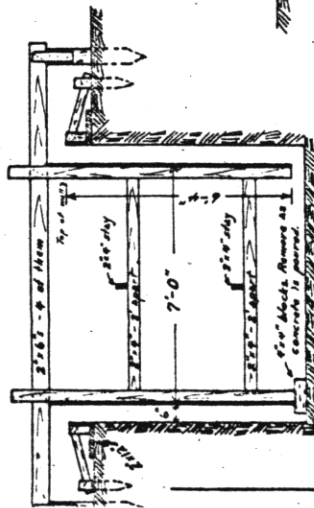
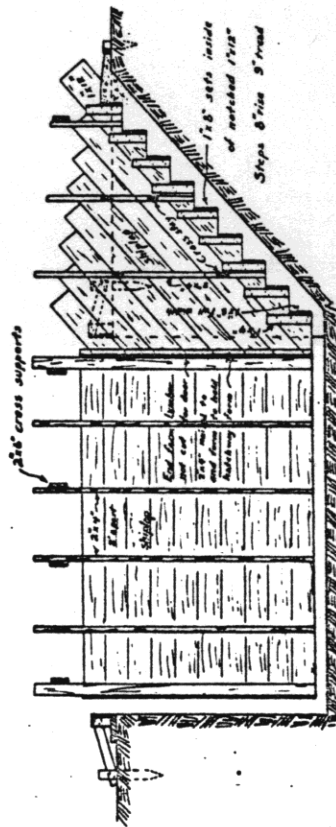
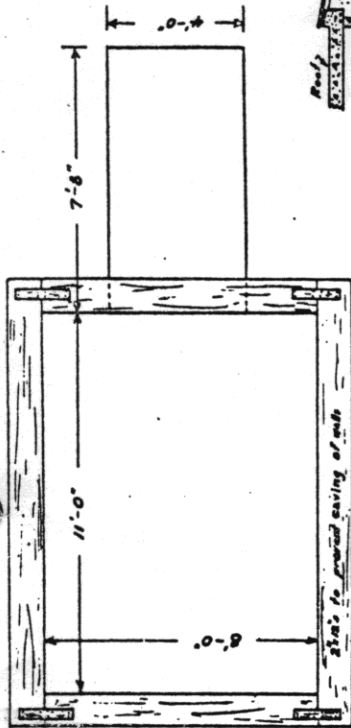


Dimensions of Excavation.

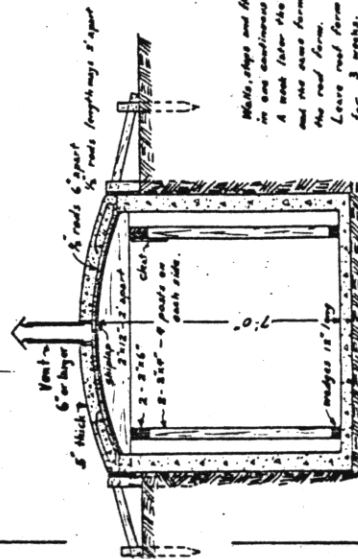


Cross section showing forms.  
Use 2x6 blocks to hold form up while support at the top is being attached.

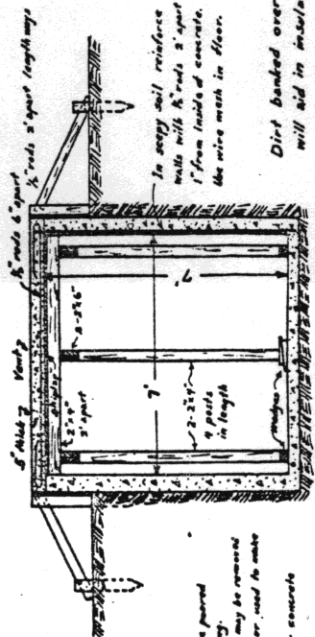
Plan of Excavation



Section Lengthways showing forms.



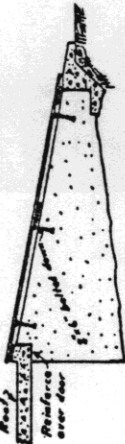
Alternate roof construction.  
Note that side walls are 7' high inside.



Section Lengthways showing forms.



Section thru Door Frame 3x4



Door



Door

Bill of Material

|                                |                                             |                        |
|--------------------------------|---------------------------------------------|------------------------|
| Form Lumber:-                  | 6-2x6x12'                                   | 6-2x6x12'              |
|                                | 1-2x12x16'                                  | 20-2x6x16'             |
|                                | 3-2x12x14'                                  | 6-1x6x16'              |
|                                | 6-1x12x12'                                  | 360 board ft. shingles |
|                                | 2-1x8x16'                                   |                        |
| Material in completed cellar:- | 3-2x6x10'                                   |                        |
|                                | 6-batts 1/2"x10"                            |                        |
|                                | 3-1x6x10'                                   |                        |
| Reinforcing:-                  | 20-1/2"x12' rods 12' long in roof           |                        |
|                                | 20-1/2"x12' rods 8' long in walls and steps |                        |
| Concrete material:-            | 112 cu. yds. concrete                       |                        |
|                                | 20 cu. yds. gravel                          |                        |
|                                | 8 cu. yds. sand                             |                        |
|                                | 8 cu. yds. gravel                           |                        |