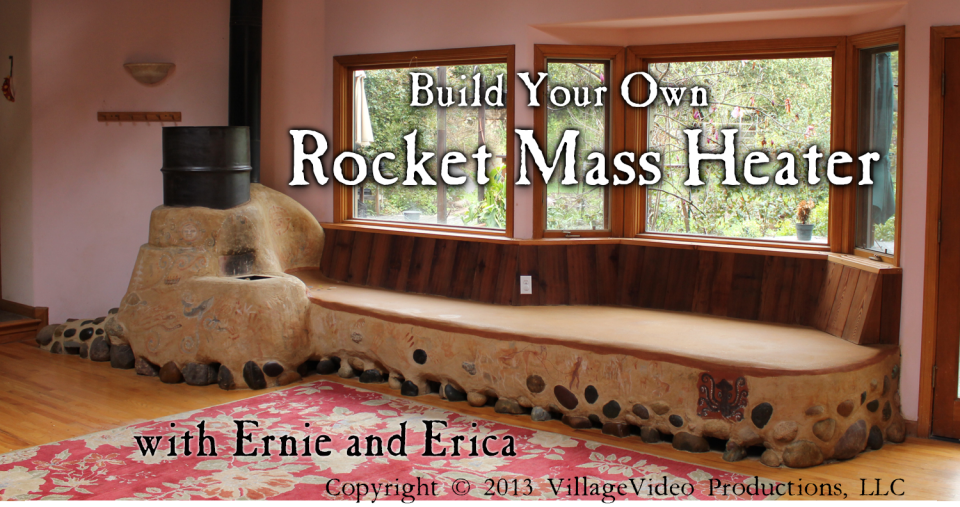

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Materials

- Building Brick- 375
- Fire Brick- 99
  - -59 Full 4.5"x9"x2.5"
  - -40 Half 4.5"x9"x1.25"
- Pavers- 4 2'x2'
- Refactory Wool-
  - -10'x24"x1"
- Perlite- 12 cu. ft.
- Aluminum Foil-2 rolls
- Building Felt-1 roll
- Hardware Cloth- 1 roll
- Clay- aprox. 1 yard
- Sand- aprox. 3 yards
- Straw- 1/2 bale
- Local facing stone
- Horse dung-
  - -2 wheelbarrows
- Oil Soap
- Ducting- 8"
  - -4 straight 5ft.
  - -2 straight 3ft.
  - -4 elbows
  - -2 tees
  - -3 caps

Tools

- Shovels
- Tarps
- Brick set
- Hammer
- Buckets
- Wheelbarrows
- Trowl
- Concrete Floats
- Circular saw
  - -Masonry blade
  - -Metal blade
  - -Wood blade
- Torch
- Metal snips
- Level
- Square
- Tape measure
- Markers
- Masking Tape

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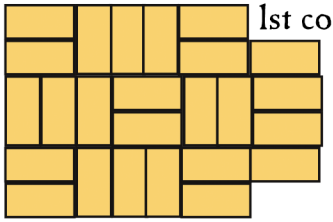
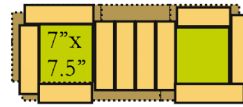
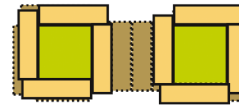
Brick Layout & Clearances



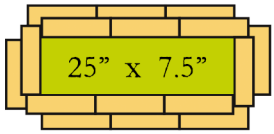
1st course



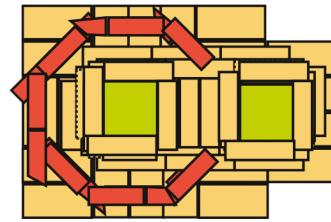
4th course
(includes 2 cut bricks)



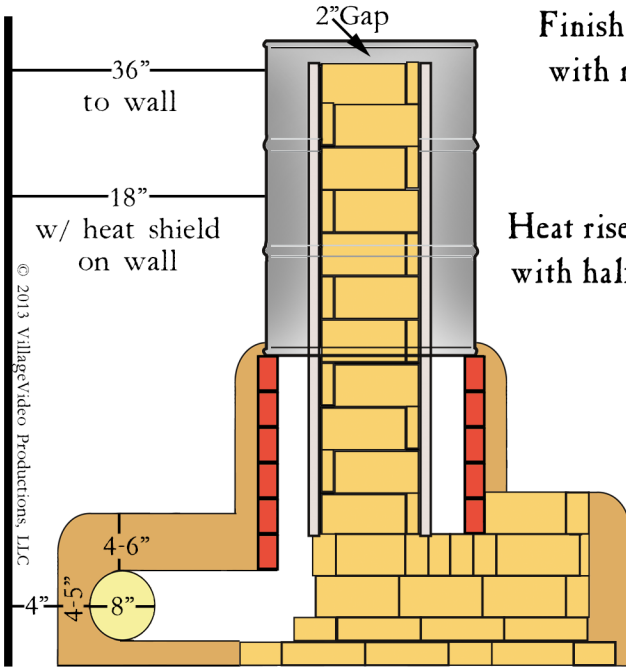
5th course



2nd course lays flat
3rd course on end



Finished J-tube
with manifold



Heat riser made
with half bricks

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