HOW TO BRICK A WOOD EVAPORATOR

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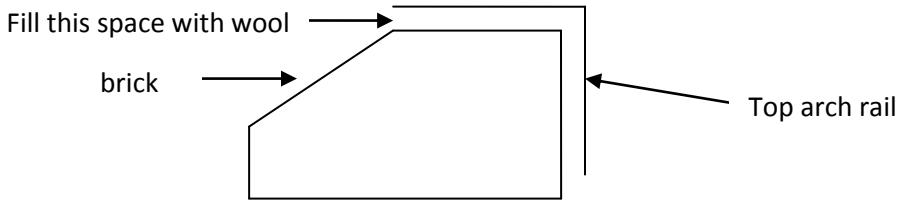
1- Place insulation boards against the inside of every SS arch walls. The insulation board can be cut with a utility knife or saw. Always use a dust mask when insulating your arch.

2- Start placing firebricks on the bottom, except the rear flat section, then on the walls. Work up and towards the rear end of the arch. High temperature cement is applied in THIN layers only to stick the firebricks to each other. You may want to leave on line from top to bottom on each side of the arch to act as an expansion joint.

3- The last layer of bricks at the top of the arch should be cut at an angle to allow heat to transfer to the highest possible surface of the pans (drawing A). Do not force bricks into location. A too tightly bricked arch could create problems.

4- Fill the space between the last brick and the arch rail with wool (not too tight). It will prevent the rail from warping.



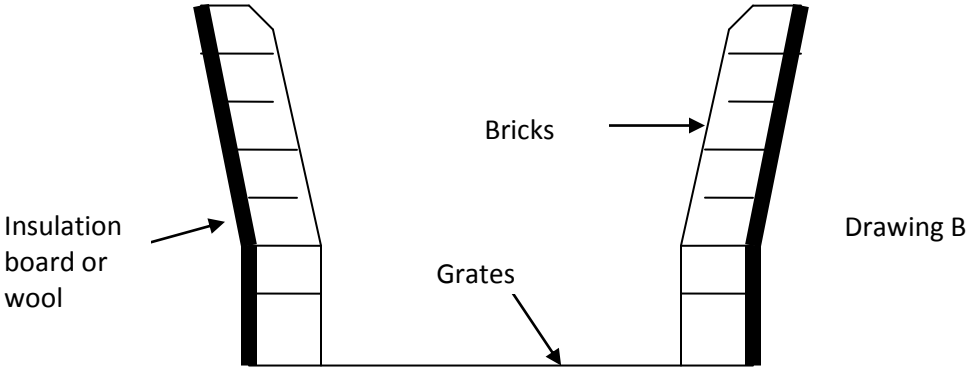
Drawing A

5- For drop flue model; during bricking, you may want to set the flue pan on the arch to make sure you have enough room for the flue pan drain.

6- Allow 24 hours for high temperature cement to set and dry

7- After a minimum of 24 hours, check to see if any area may need refractory cement to fill any cracks or crevices.

8- Fill the back of the arch with insulation wool, sand or zenolite.



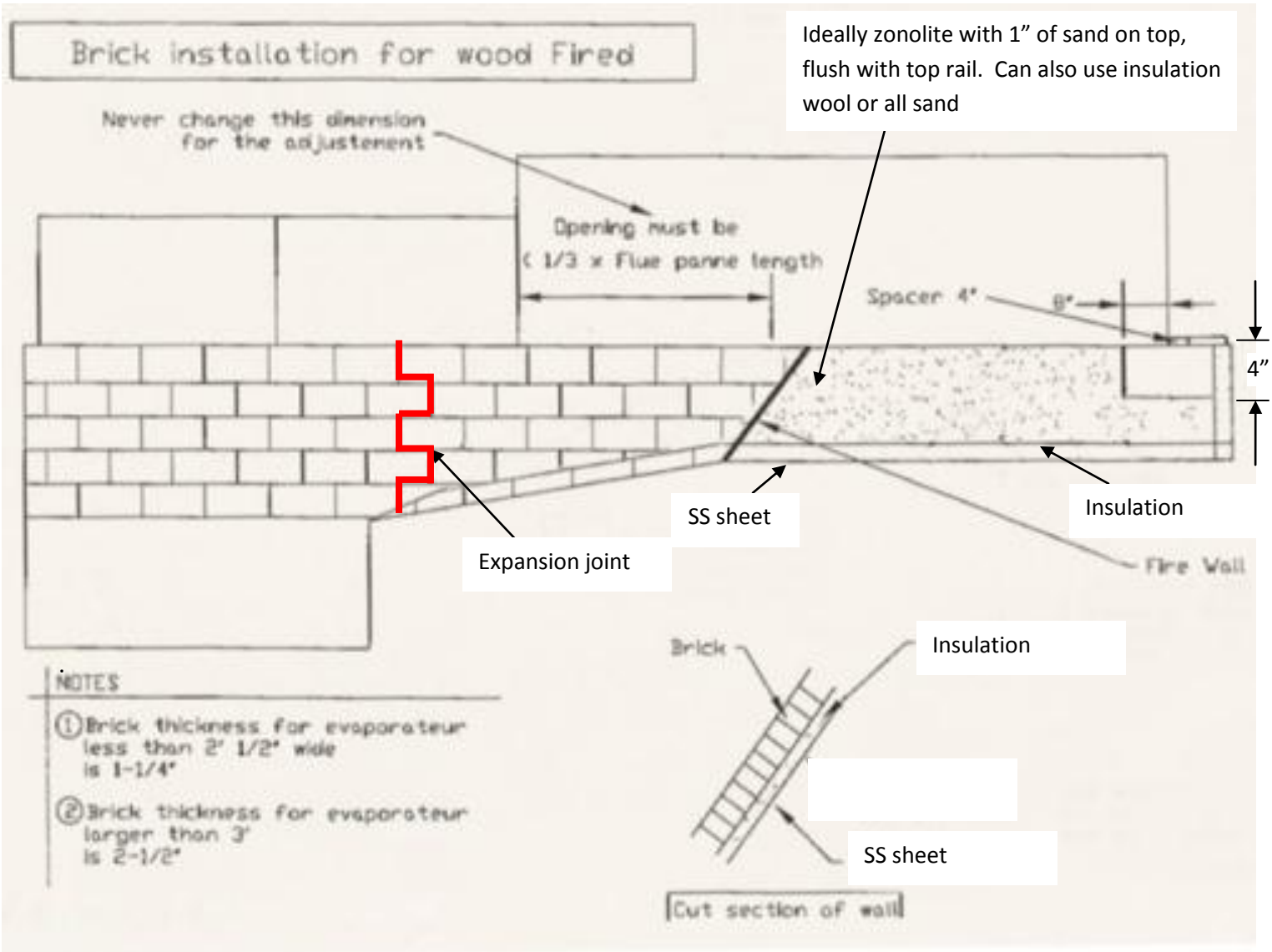
Drawing B

Insulation board laid out in the arch

Picture of a bricked arch. High temperature cement is used lay bricks one against the other and to seal properly avoiding the heat to get through to the outside.

Wool, sand or zonolite is used at the back

To get more draft, if needed, increase the opening under base stack frame.


Brick installation for wood Fired
Never change this dimension for the adjustement
Opening must be (1/3 x Flue panne length
Spacer 4"
8"
4"
Ideally zonolite with 1" of sand on top, flush with top rail. Can also use insulation wool or all sand
SS sheet
Insulation
Expansion joint
Fire Wall
NOTES
① Brick thickness for evaporateur less than 2' 1/2" wide is 1-1/4"
② Brick thickness for evaporateur larger than 3' is 2-1/2"
Brick
Insulation
SS sheet
Cut section of wall