Masonry Stove Builders

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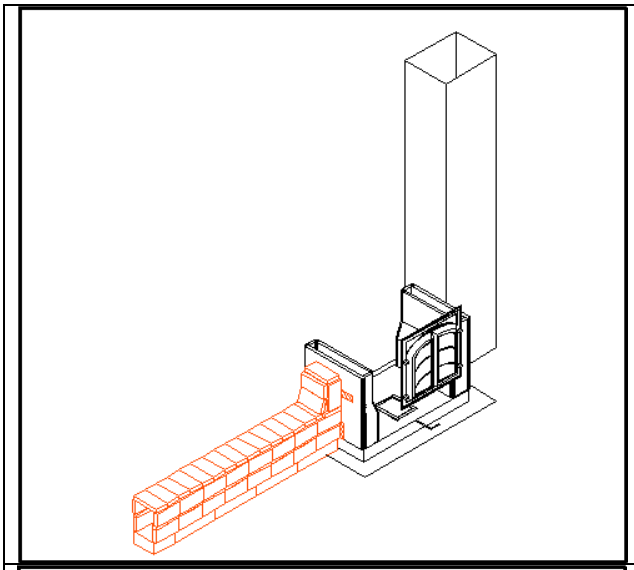
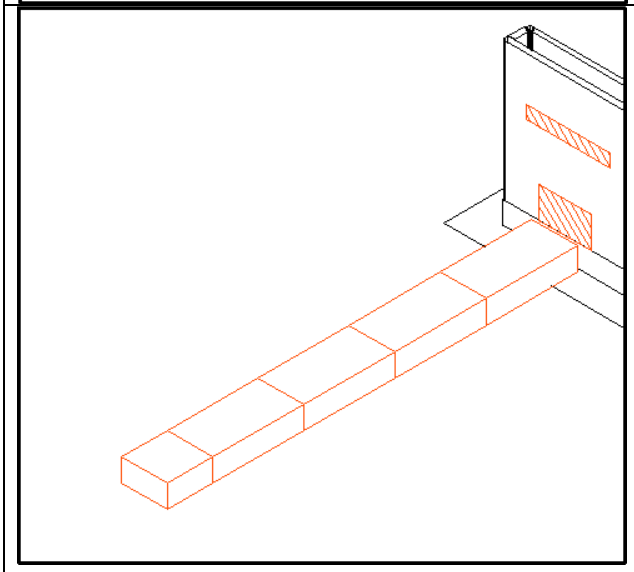
# Heated Bench on Opposite Side From Chimney – for Mike Andringa





Determine the final length of the bench.

Lay down 4” solid concrete blocks as shown, in a bed of mortar. Allow for facing, so blocks should be 5” shorter than overall length of bench.

Rear edge of first block is 1” past bottom cutout opening

Note the shape of the top cutout. Part of it will need to be filled in. It would also be good, but not absolutely necessary, to enlarge it a bit in the vertical direction. Refer to later drawings for location.

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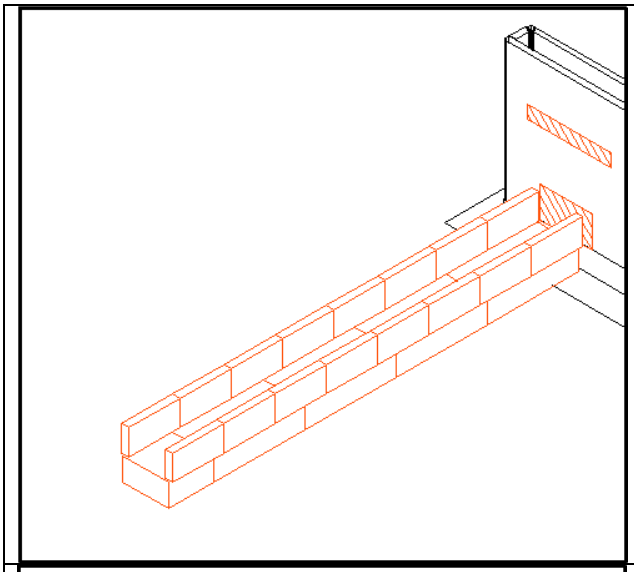
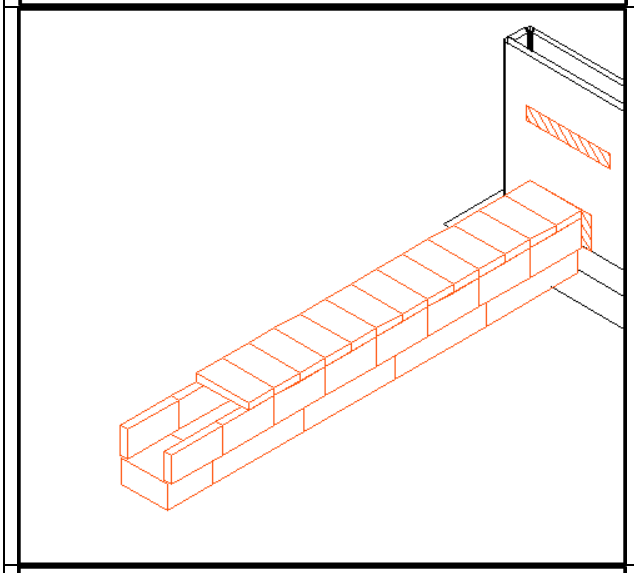
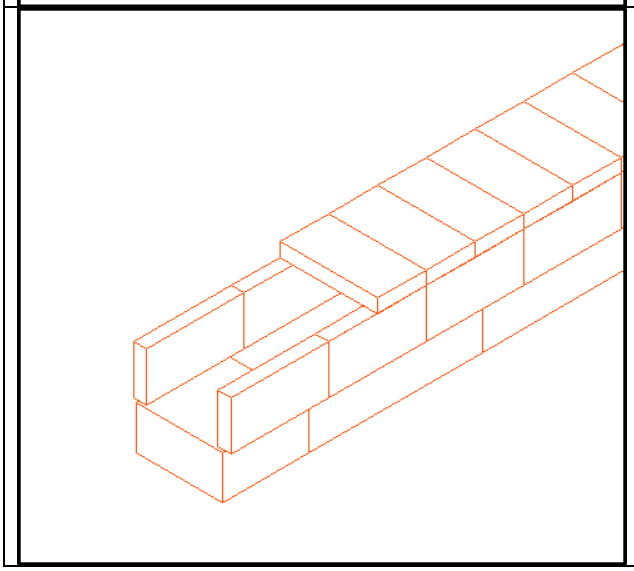
|  | Lay firebrick splits, using firecement and thin joints. Firebrick splits should hang out slightly past blocks, to give an overall outside width of 9”. |
|  | |
|  | Leave a 3 brick gap (13.5”) for a connection between the two gas passages. |

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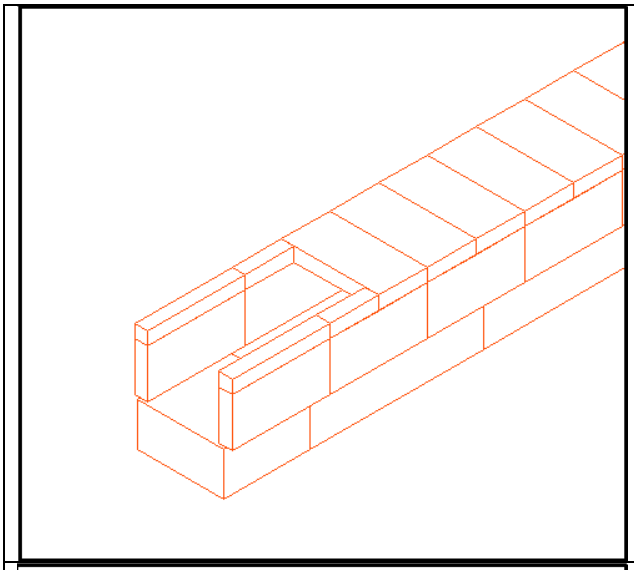
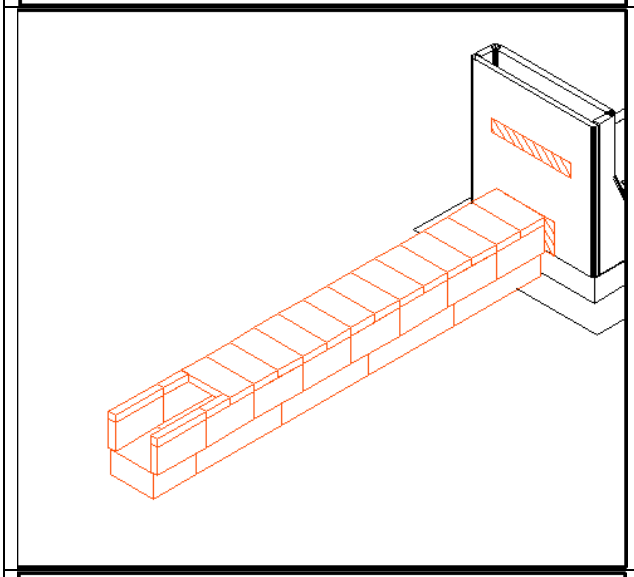
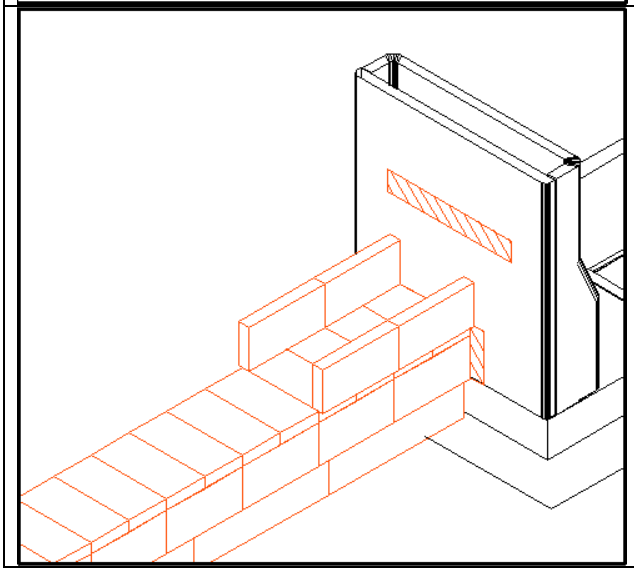
|  | Lay in 1.25” strips of firebrick to make up for the missing height. |
|  | |
|  | Continue as shown.<br><br>Brick bond isn’t shown exactly. In this drawing, all of the vertical joints line up, which is not a good idea.<br><br>Offset the joints where possible, for example by starting with a ¾ length brick instead of a full one. |

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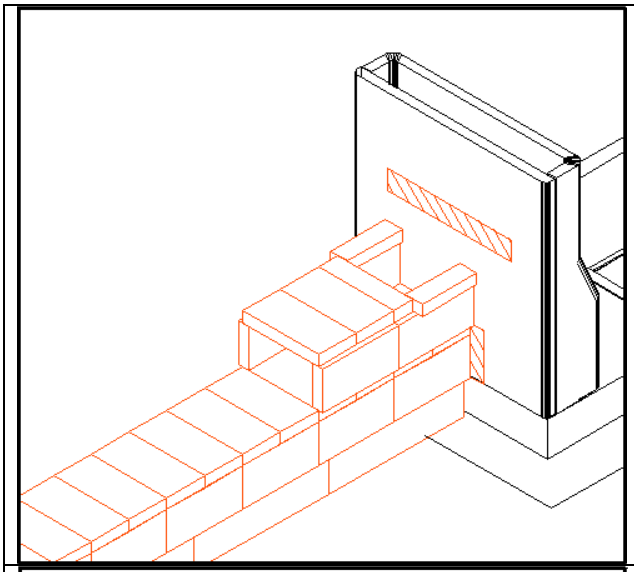
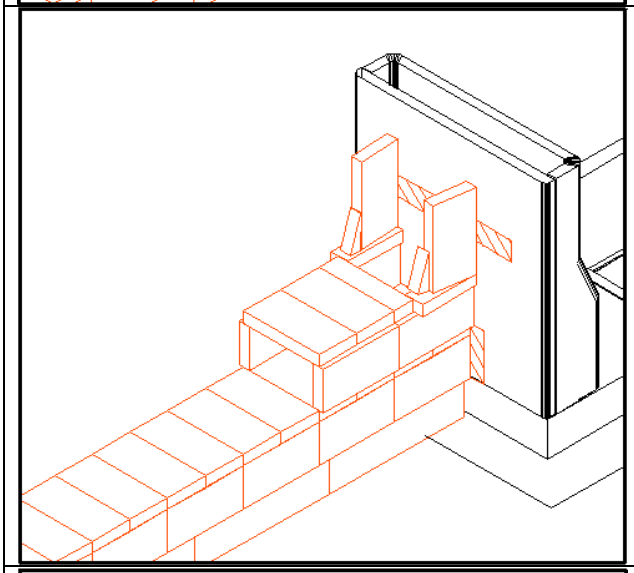
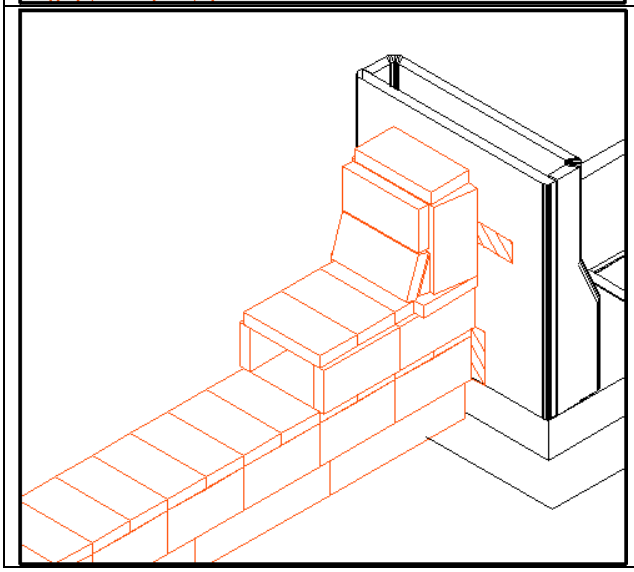
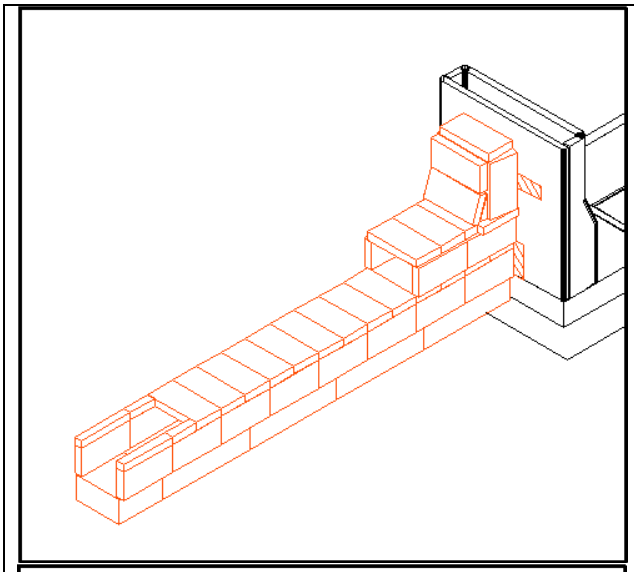
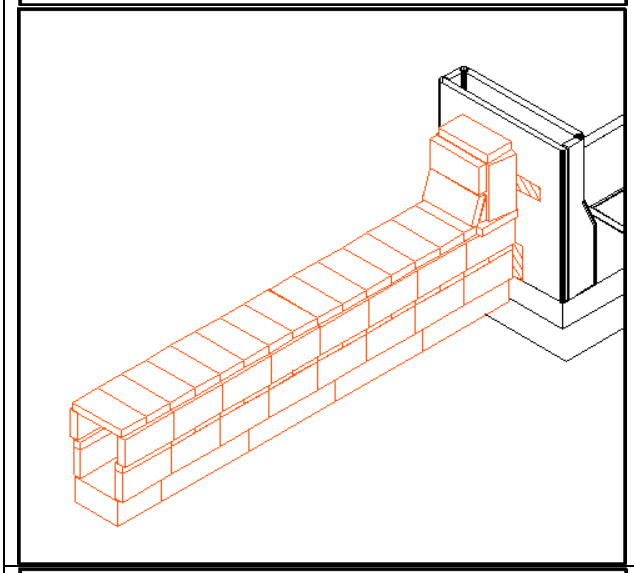
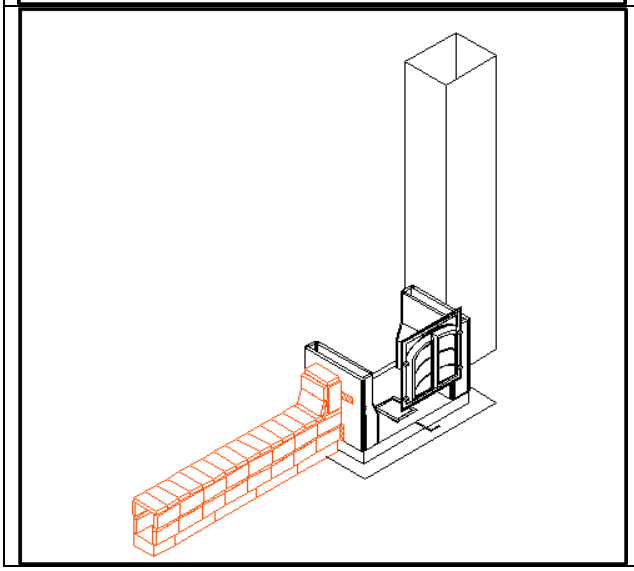
|  | Leave a 6.5”  opening as shown.<br><br>Lay in 2 strips 6.5” x 2” as shown. |
|  | Create a connection with the top duct as shown.<br><br>As mentioned earlier, part of the cutout will need to be filled in.<br><br>If possible, enlarge the cutout in the vertical direction. |
|  | Close it off as shown. |







Completed bench interior. The opeining at the end is used for cleanout access. Mount a cleanout door in the facing in this area.

Facing: Surround the firebrick work with a 4” – 5” thick masonry veneer. It can be tight slushed tight to the firebricks, and doesn’t require and expansion joint.

The bench top (1.5” thick stone, for example) can be mortared directly on top.