

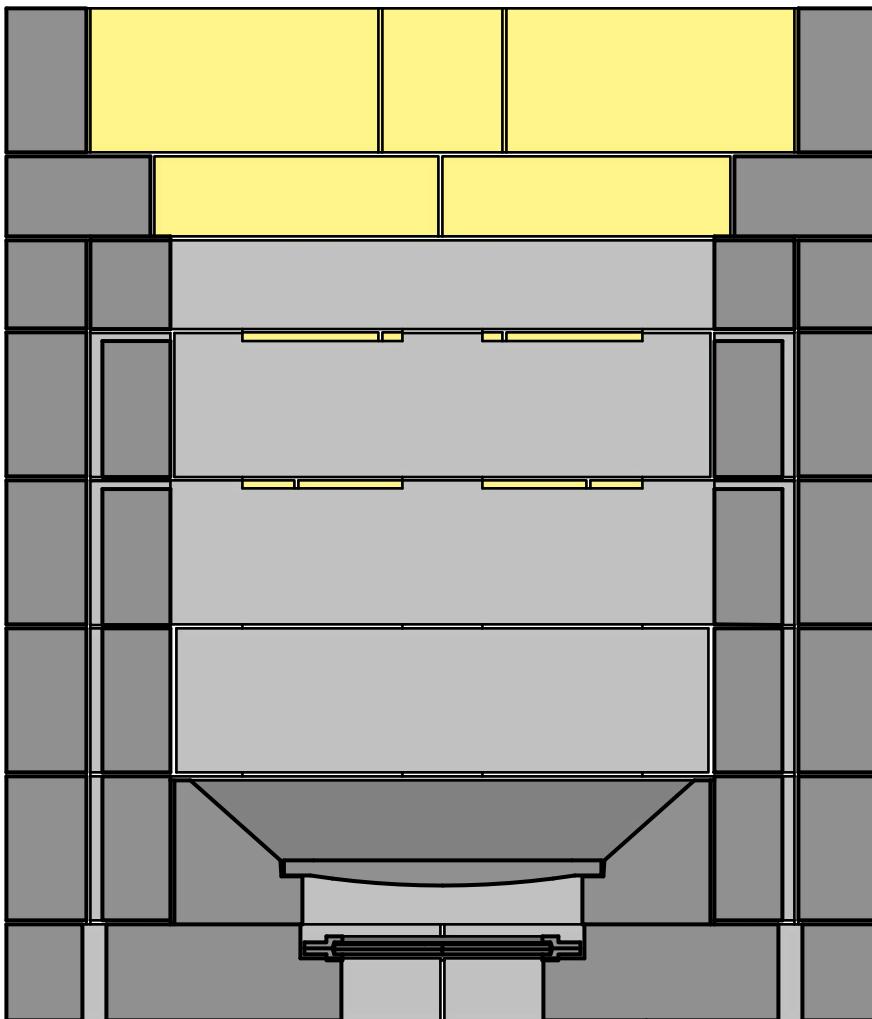
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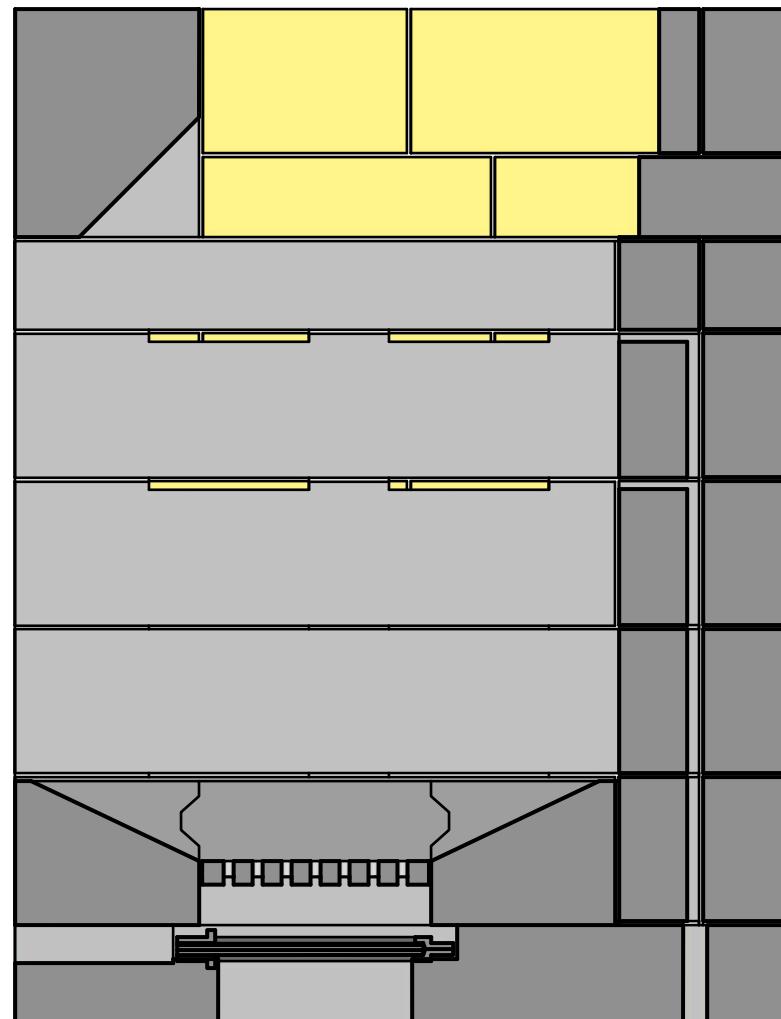
Firebox Module Perspective

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Section (front)



Section (side)



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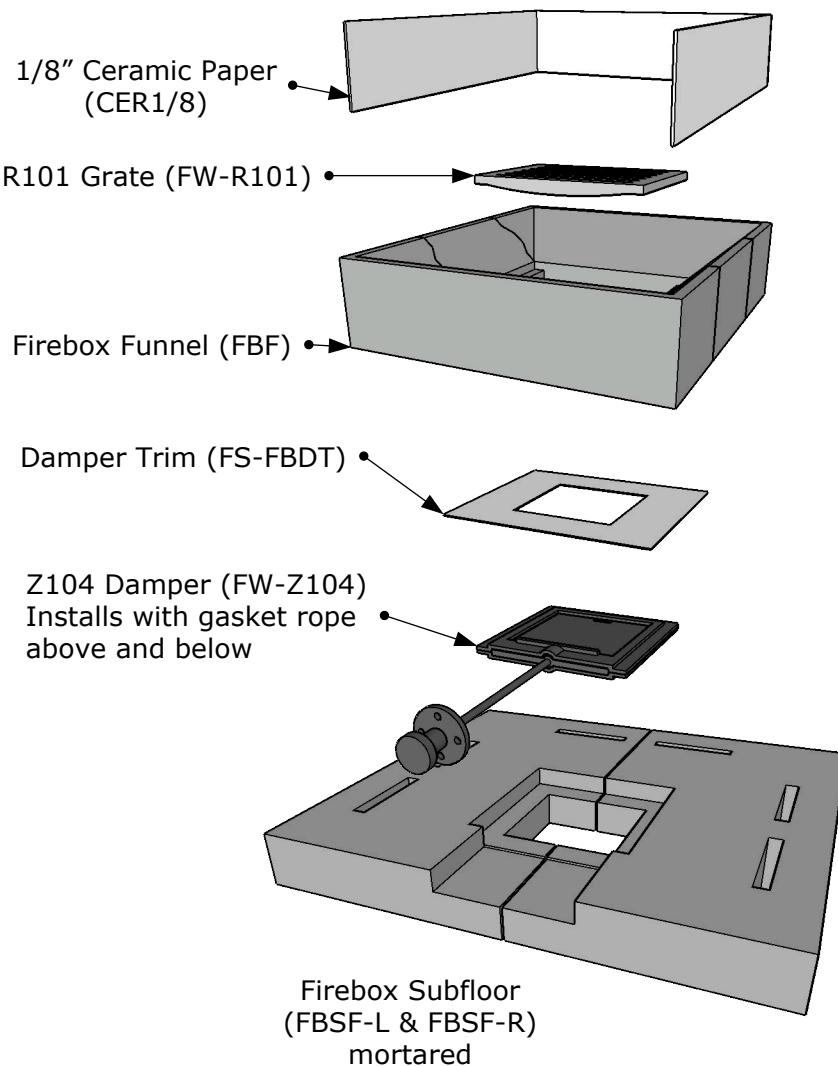
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Firebox Module Sections

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The subfloor, usually centered on the base, creates a square and level base for the core elements above. The primary air damper allows for control of the amount of primary air provided to the firebox while also allowing ash to fall through to the ash receptacle below.

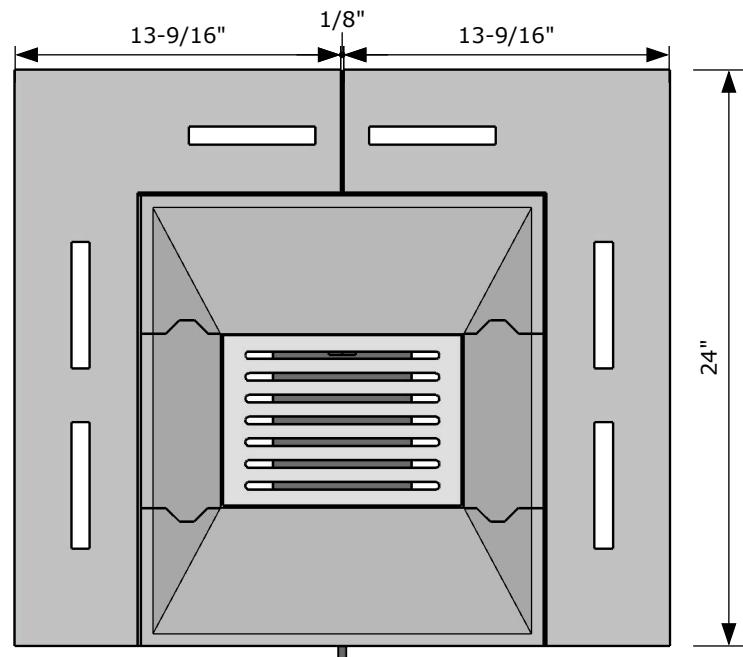
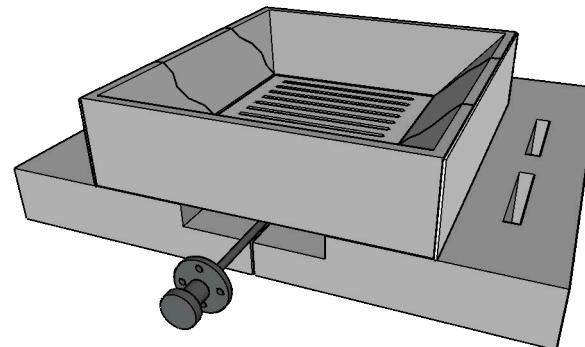


The subfloor is mortared and the rest of the components on this page are dry laid for long-term maintenance.



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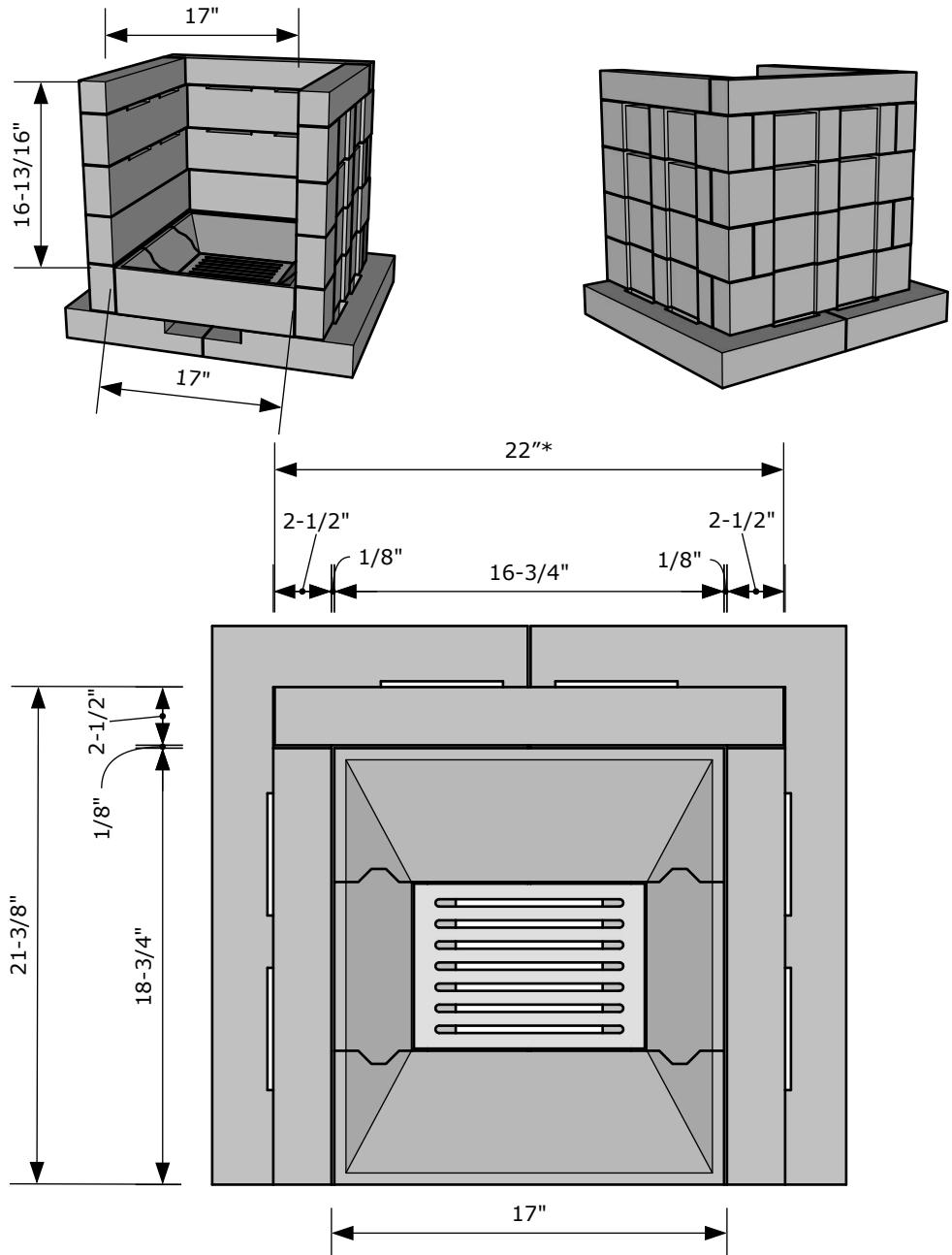
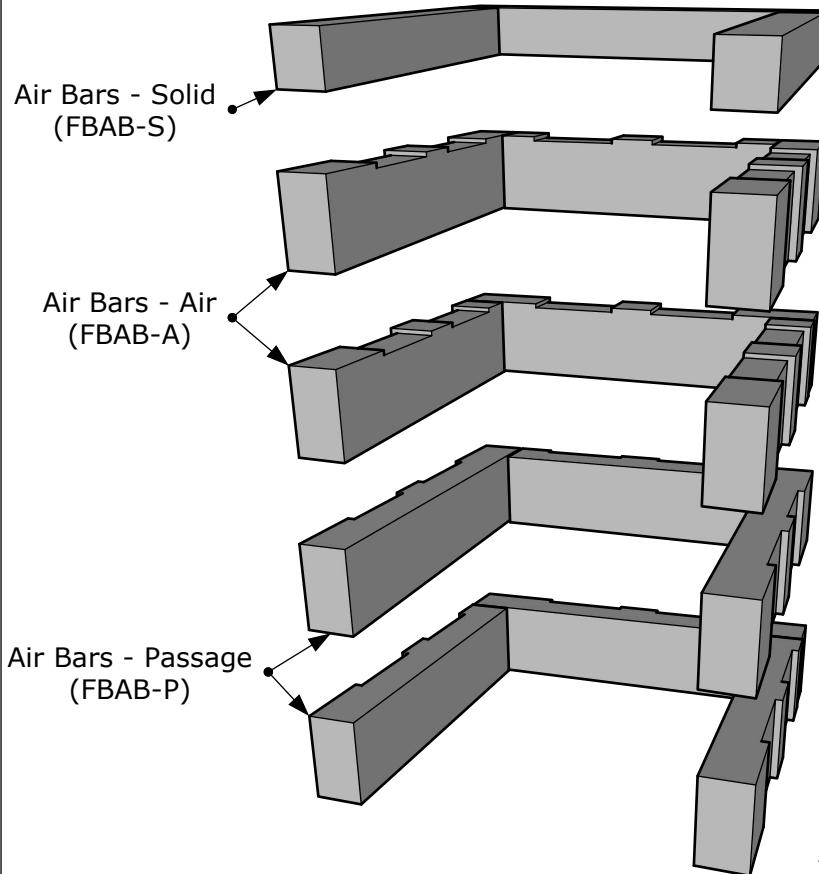


Damper shaft can be removed during Core construction. The Damper Installation Kit (FS-DIK) includes threaded rod for adjusting the final shaft length, conduit for the facing, and a trim plate with screws.

Firebox Module Subfloor & Funnel Installation

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The AirBars are installed with mortar. They create the interior, replaceable lining, of the firebox. They also define the passageways and injection points for secondary air into the firebox. In stacking the AirBars, aim to **create a 17" x 17" rough opening** which will suit industry-standard doors.



Alternate courses to create bonded corners. Refer to Firebox Plan drawing for specifics of cuts. Double-check actual measurements to these theoretical measurements.



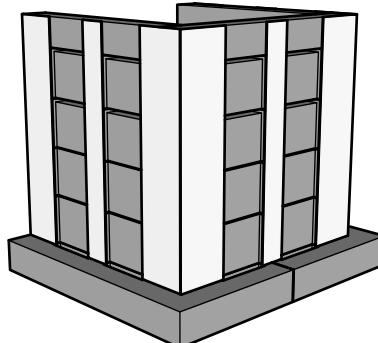
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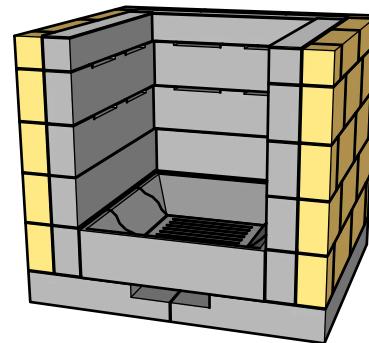
Firebox Module AirBar Installation

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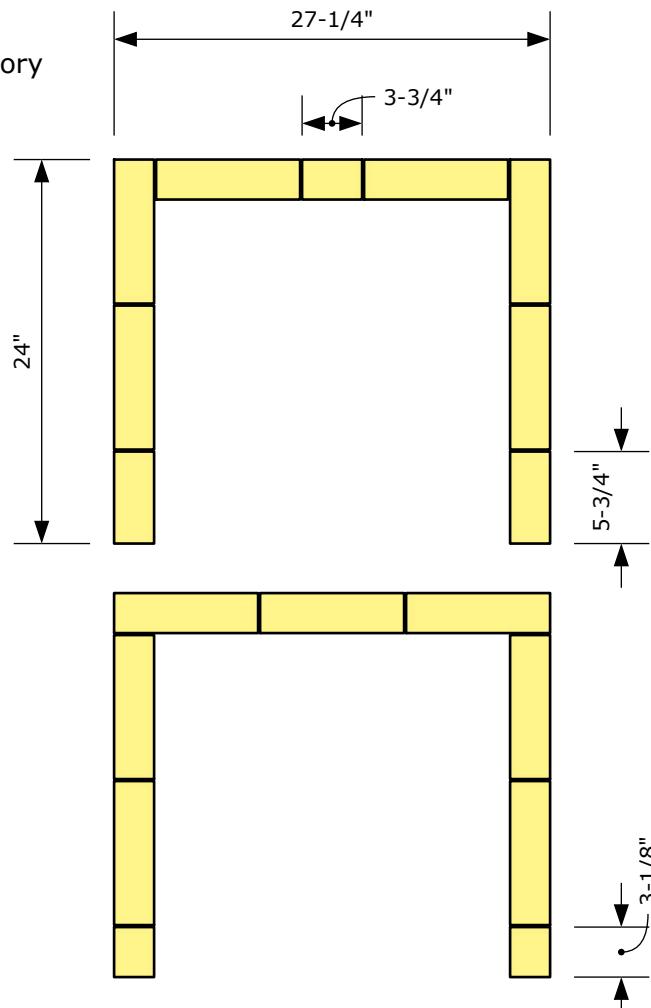
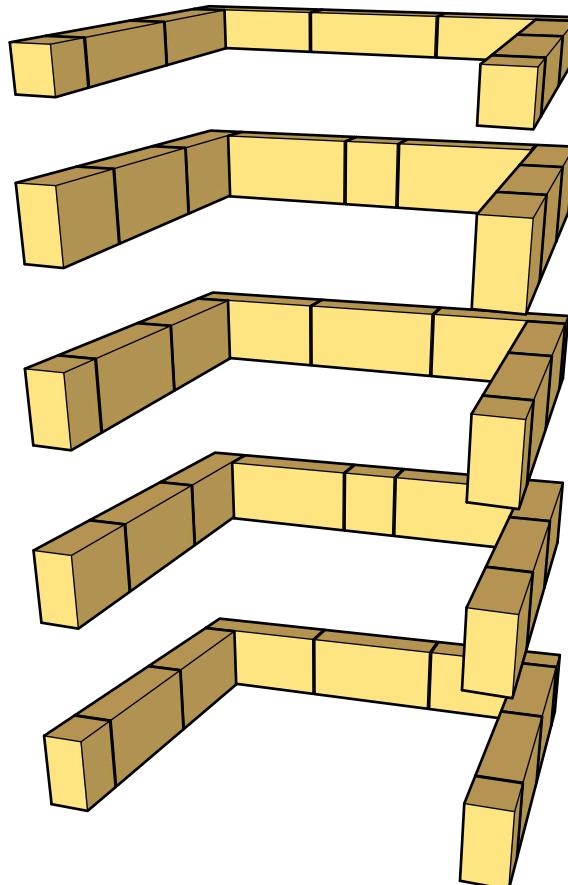
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1. Cut strips of 1/8" gasket and attach with light dabs of mortar or high temp. silicone.



2. Install structural firebrick walls with refractory mortar.



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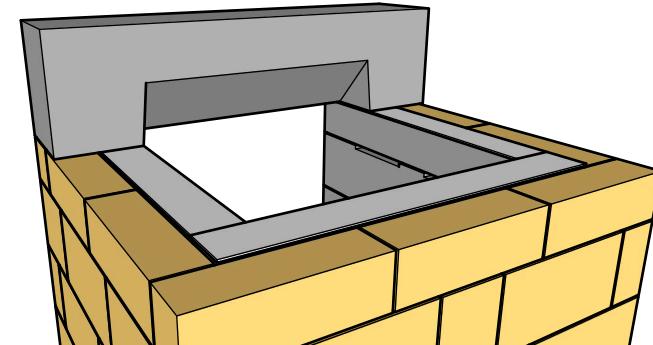
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Firebox Module Structural Firebrick Outer Wall

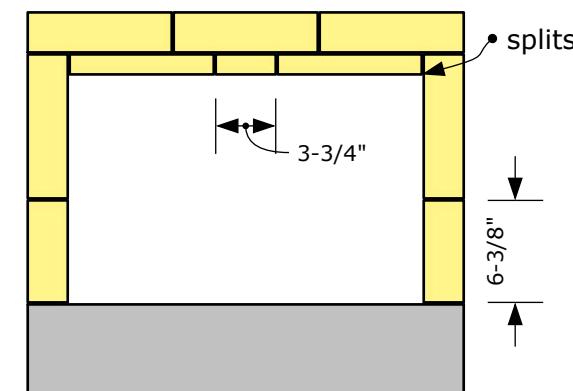
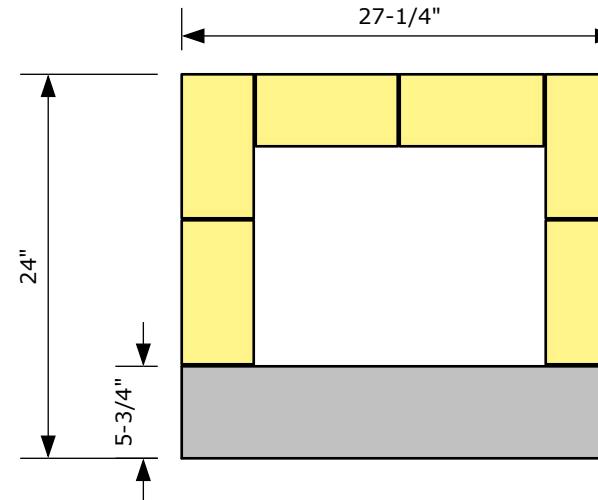
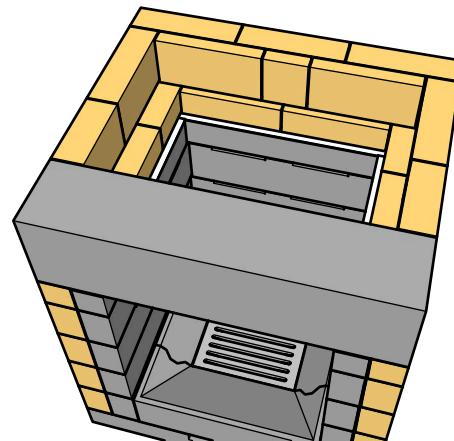
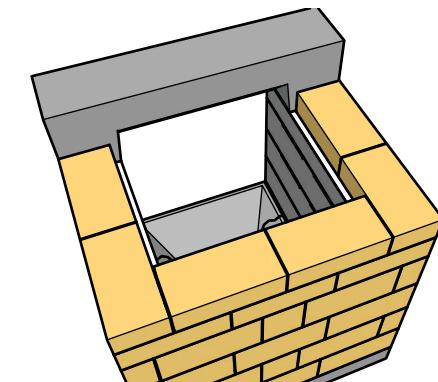
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Place 1/8" Ceramic Paper on Air Bars to create a bond break with lintel and structural header course above in order to allow for easier liner replacement should it be necessary.



Mortar the lintel to the outside structural brick while also achieving slight dry compression of the ceramic paper.



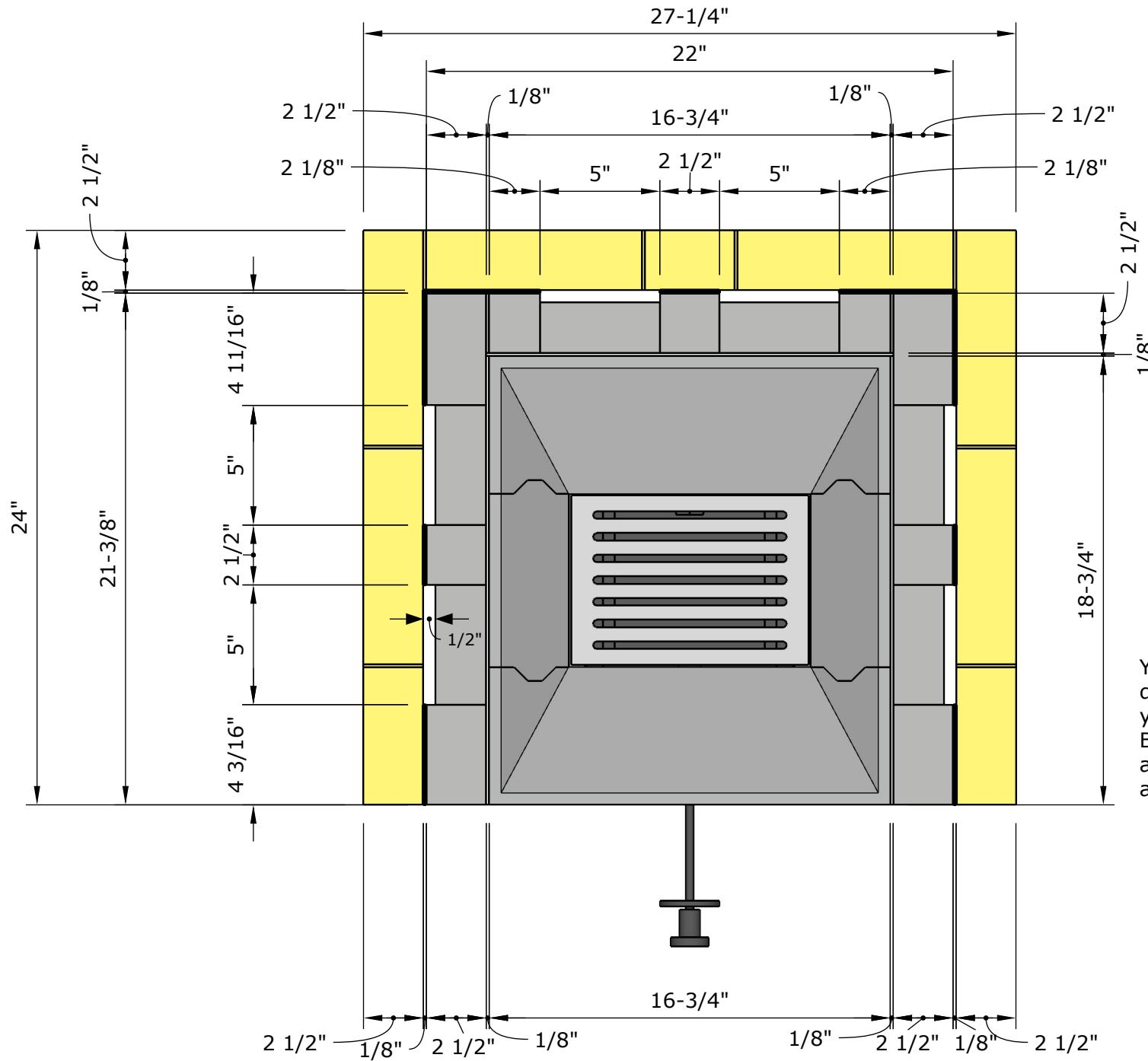
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Firebox Module Lintel, Header Course & Fill

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Firebox Module Section @ Firebox

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