

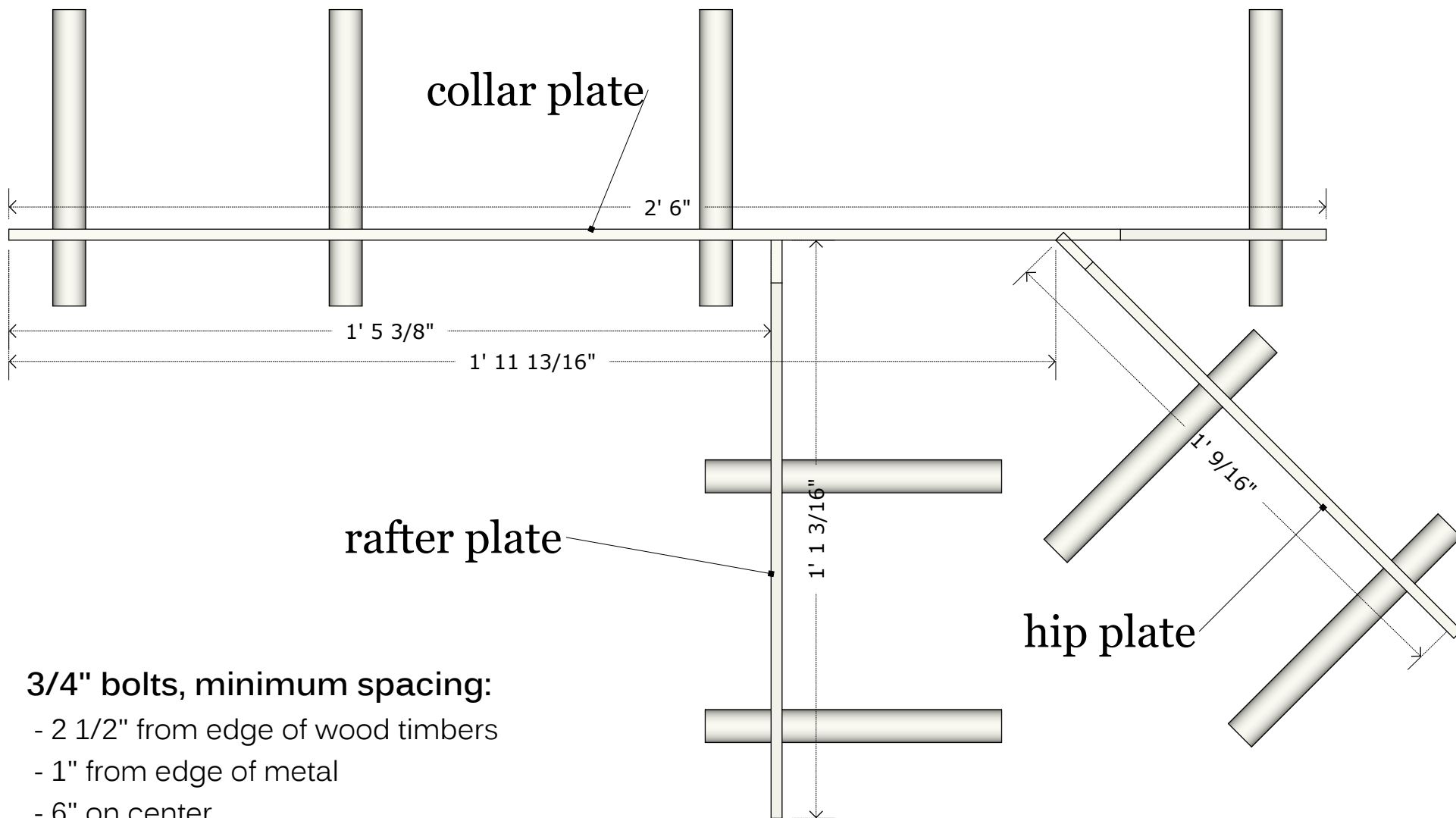
Hip Collar-Tie Bracket for 4:12 pitch roof

by Joseph Oster
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design study for John Morrall
 Wainiha, Kauai, Hawaii

August 1, 2010



NOTE: need left and right pair of brackets

top view

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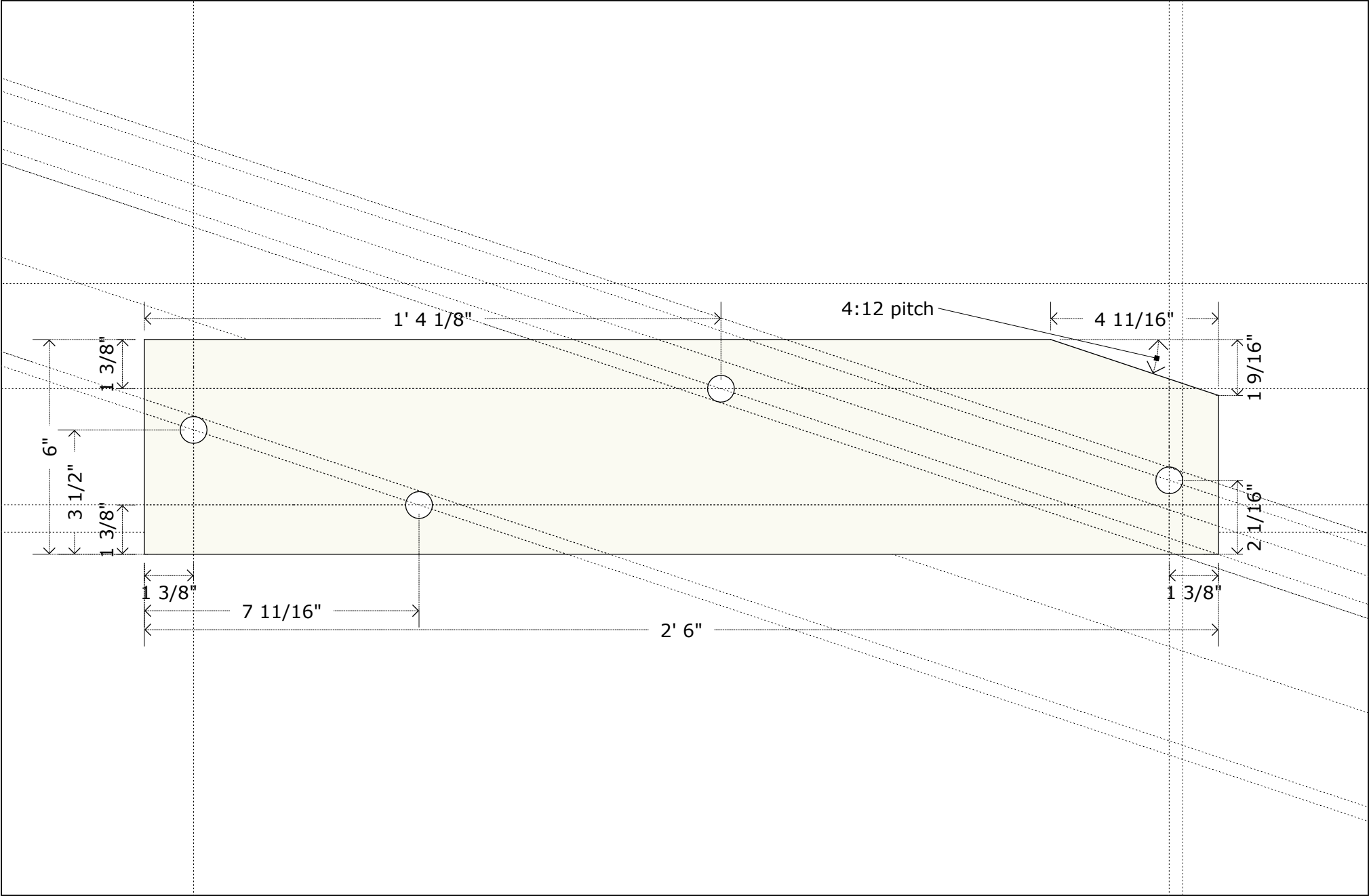
Hip Collar-Tie Bracket, 4:12

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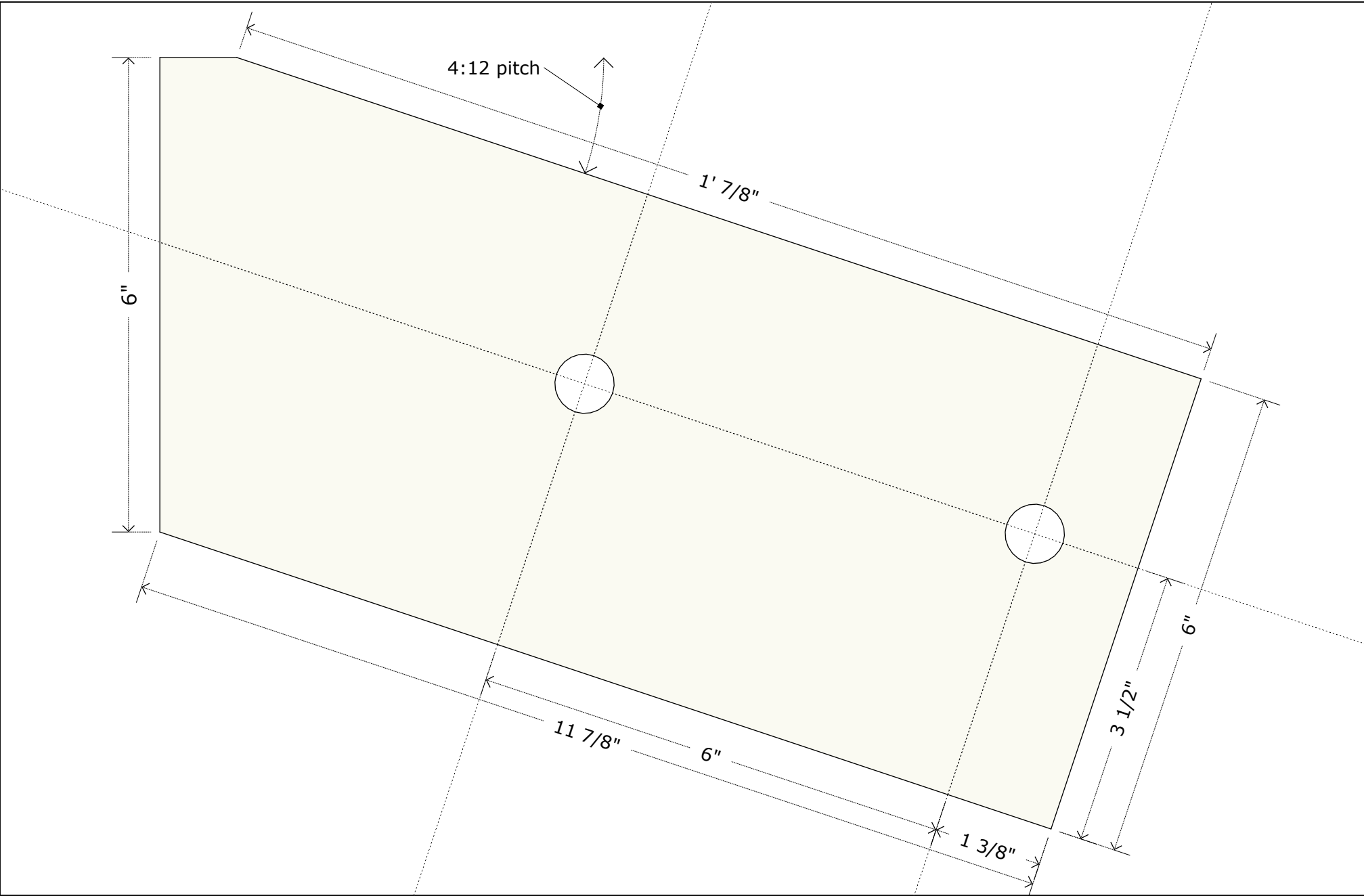
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collar plate	by Joseph Oster www.wingo.com/SketchUp <small>wingo.com web site design</small>		REVISIONS		003
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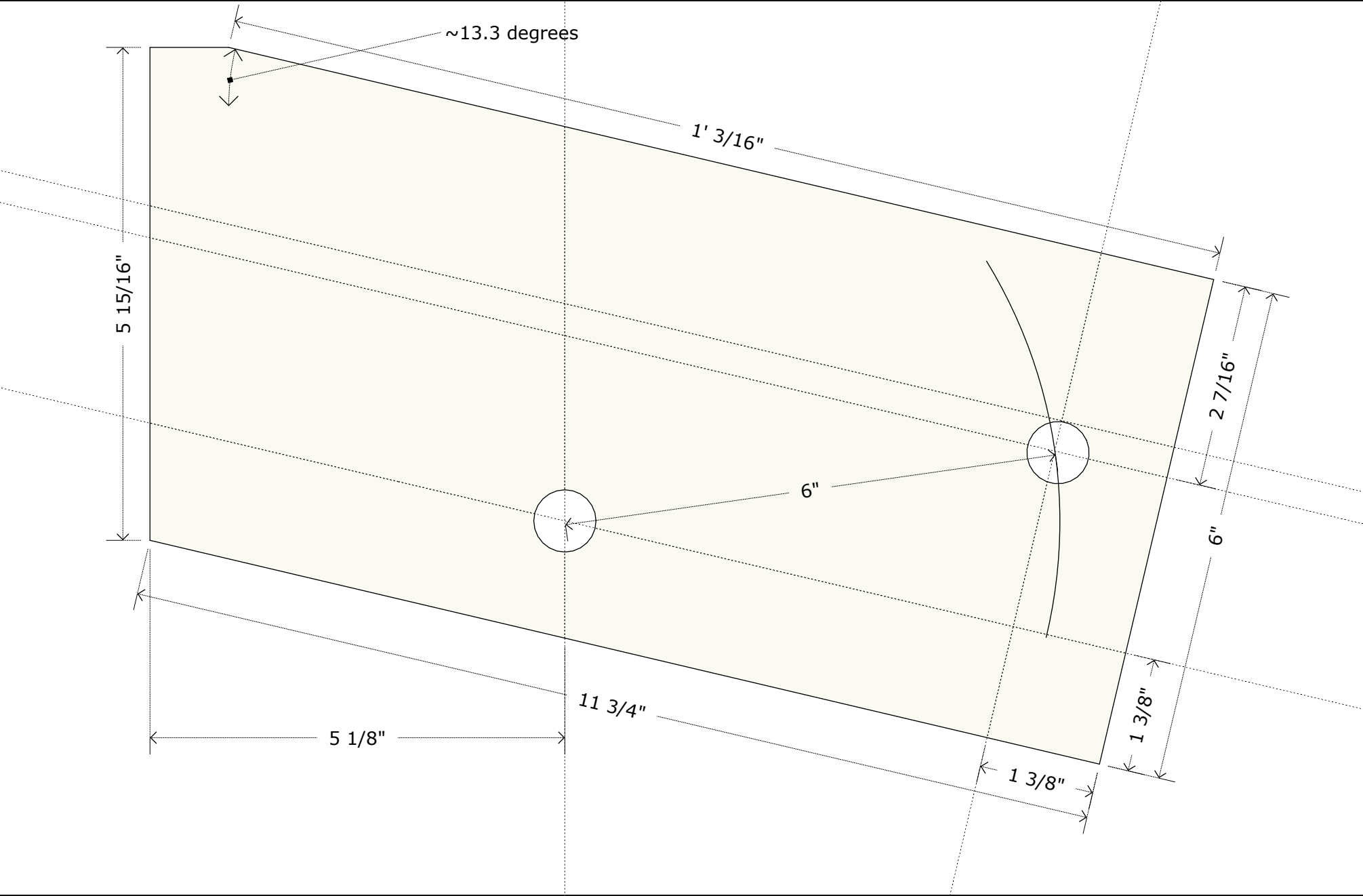


rafter plate

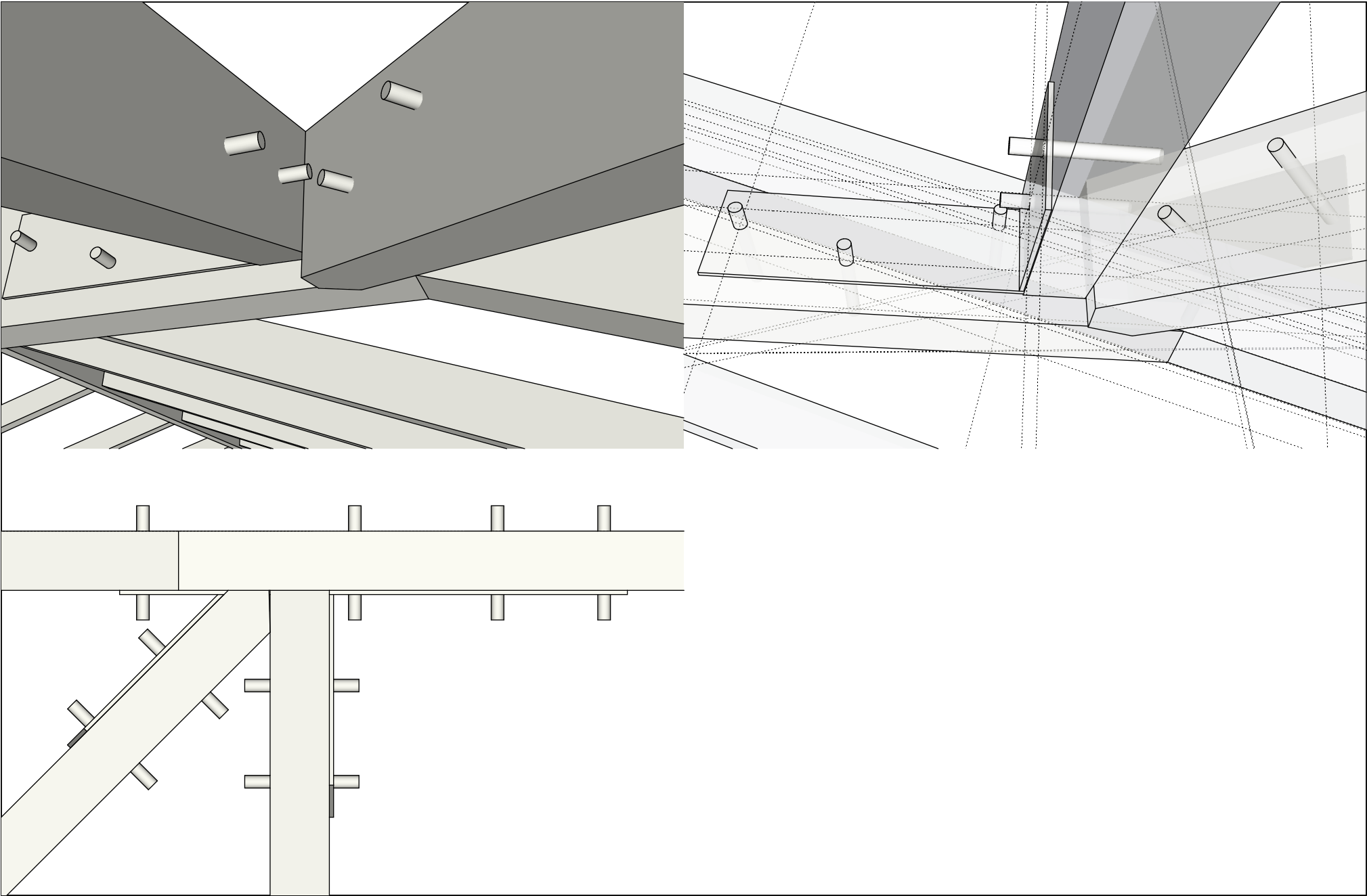
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Hip Collar-Tie Bracket, 4:12

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bottom views

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Hip Collar-Tie Bracket, 4:12

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