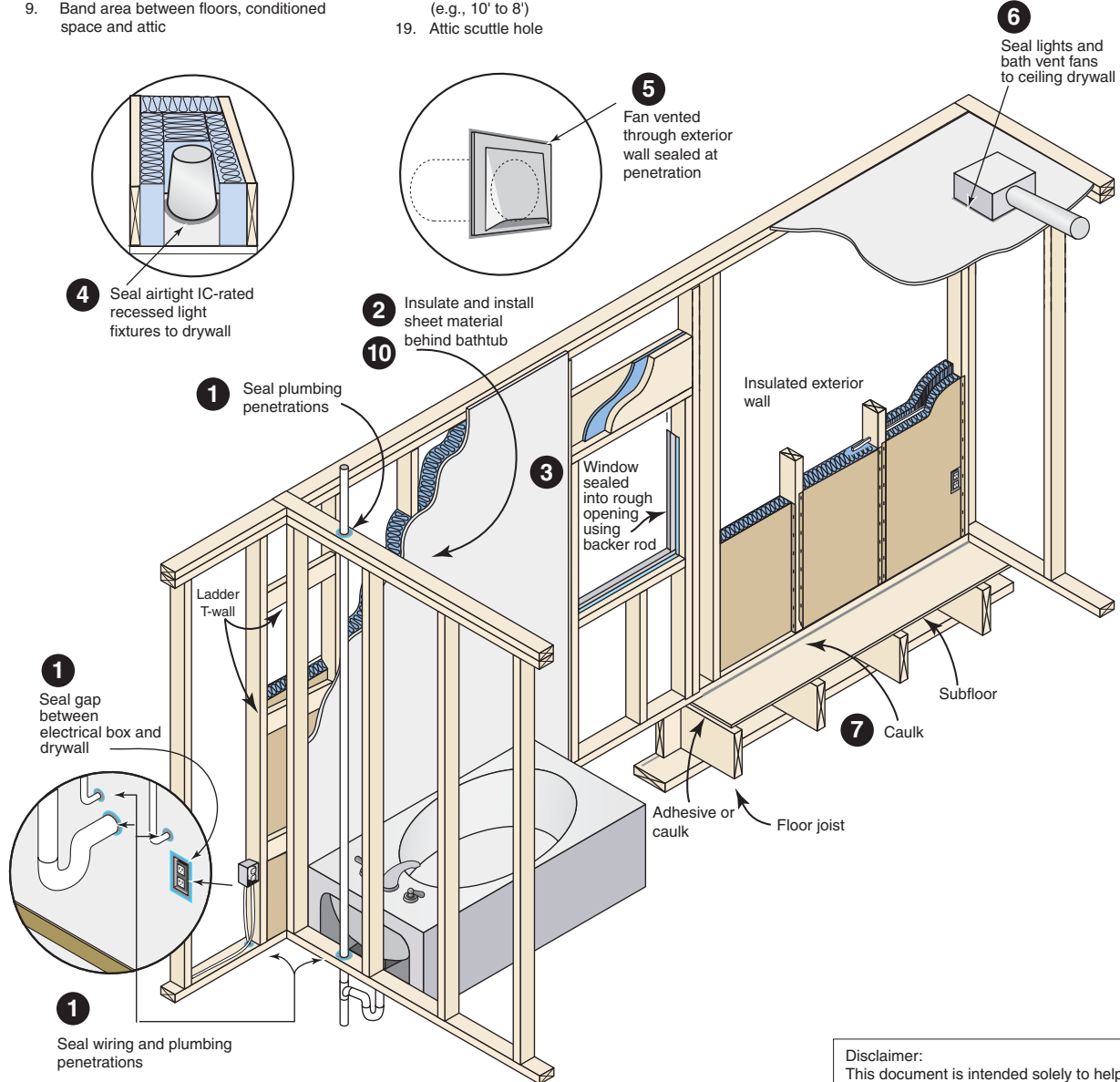


## Air sealing key points

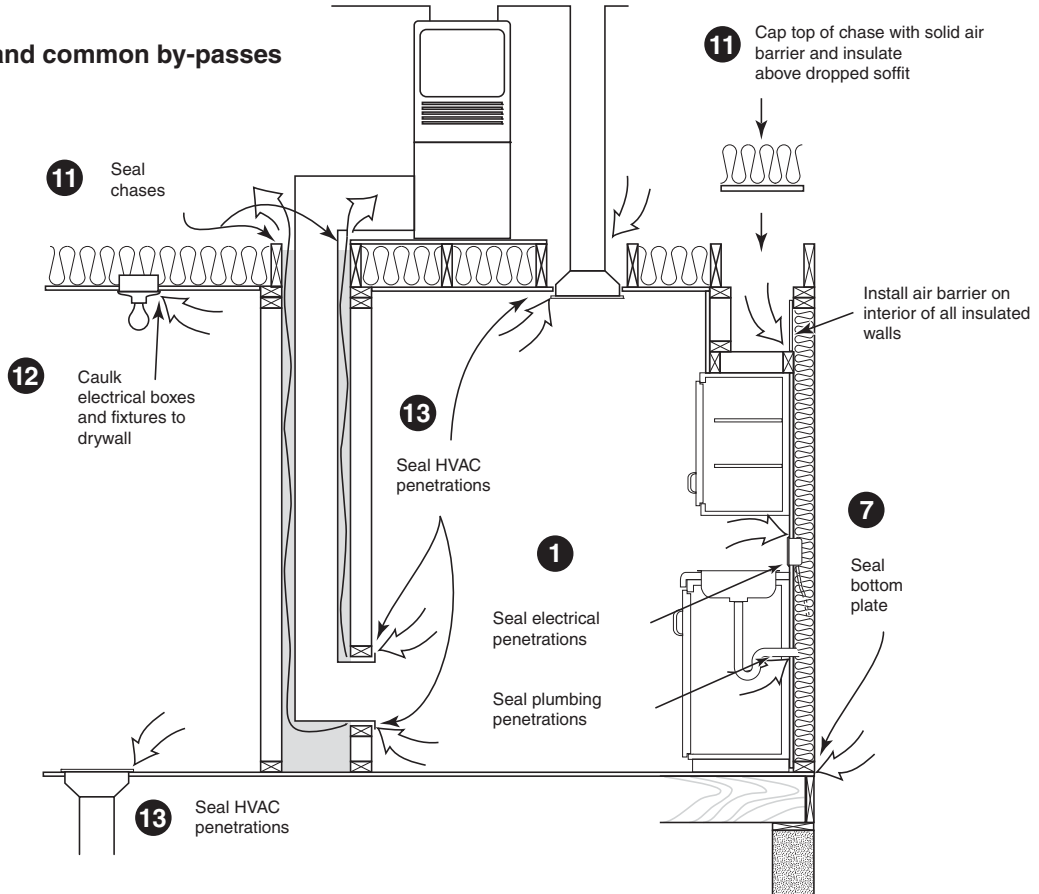
1. Building envelope plate and wall plumbing and electrical penetrations
2. Tub/shower on outside or attic wall
3. Window and door rough openings
4. Airtight, IC-rated recessed lights and electrical fixtures exposed to attic
5. Exterior wall exhaust fan terminations
6. Ceiling mounted bath fans, speakers, etc.
7. Bottom plate and top plate
8. Seams between rigid exterior sheathing
9. Band area between floors, conditioned space and attic
10. Tub on exterior wall
11. Mechanical equipment and ductwork chases in attics, crawlspaces
12. Ceiling/crawlspace electrical boxes
13. Ceiling/crawlspace HVAC boots
14. Shower and tub drain line
15. Fireplace inserts
16. Attic kneewall doors
17. Joist cavities under attic kneewalls
18. Transition between ceiling heights (e.g., 10' to 8')
19. Attic scuttle hole
20. Attic pull-down stairs
21. Wall penetrations of mechanical combustion closets
22. Thresholds at mechanical combustion closet doors
23. Band joist exposed to exterior
24. Band area exposed to unconditioned space (such as basement or garage)
25. Exterior wall penetrations for refrigeration lines, condensate line, etc.



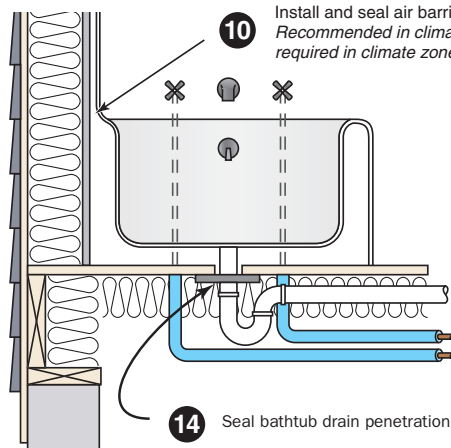
Disclaimer:  
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## Air sealing key points *continued*

### Chases and common by-passes



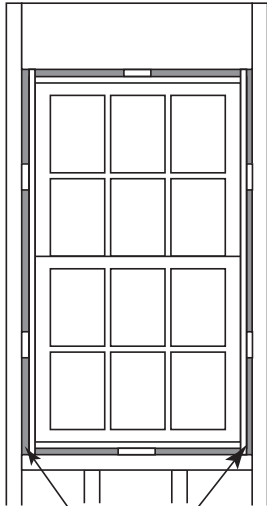
### Shower/tub drain rough opening



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## Air sealing key points *continued*

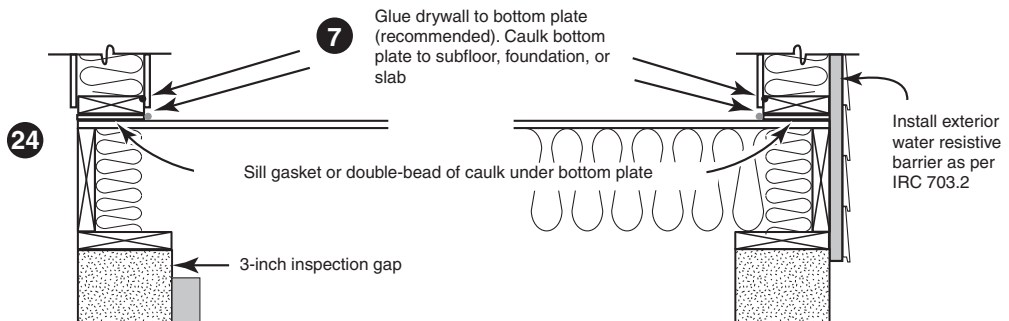
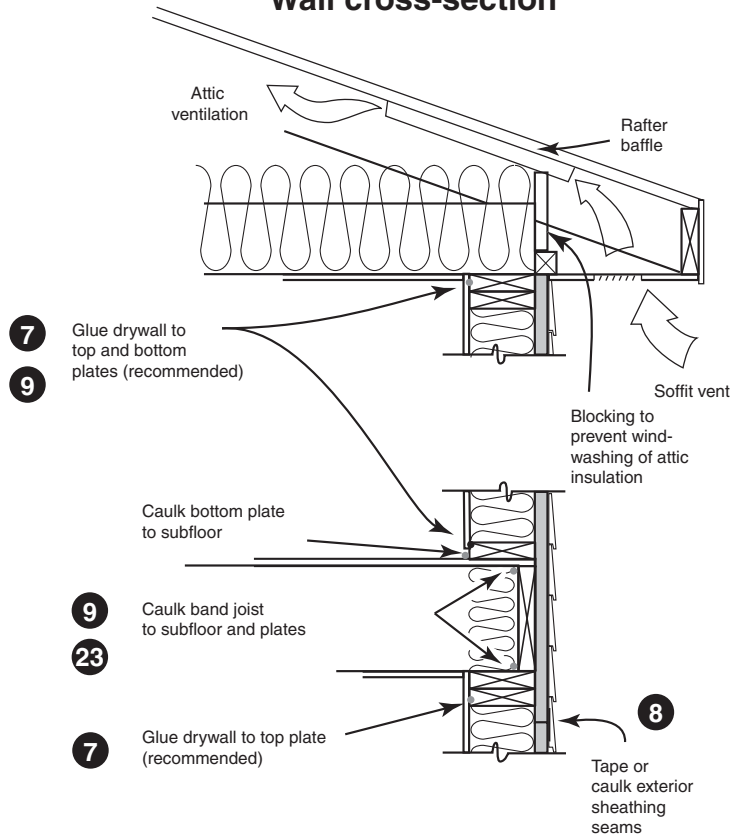
### Window rough opening



2

Use backer rod or spray foam (appropriate for windows) to fill gaps between window/door and rough opening

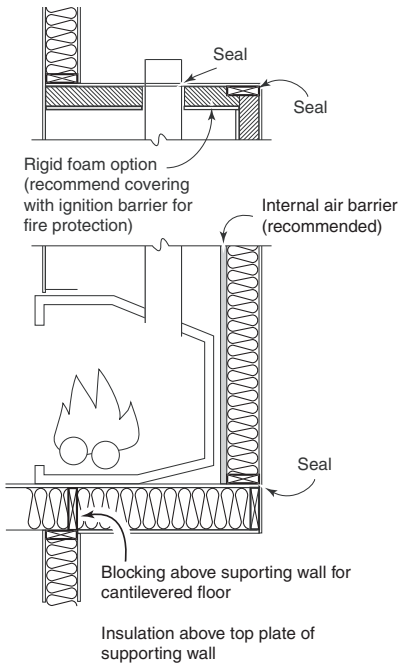
### Wall cross-section



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## Air sealing key points *continued*

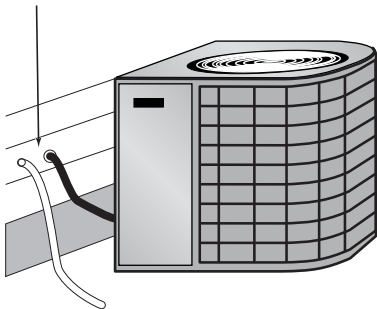
### Combustion chase penetrations



- 15** Seal around chimney flues with sheet metal cap

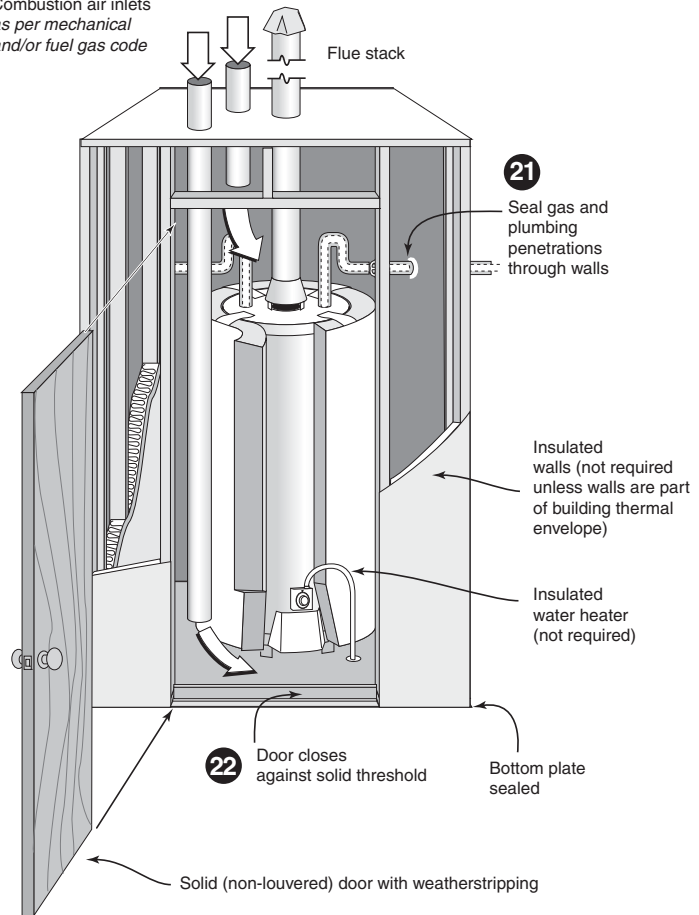
### Exterior penetrations

- 25** Caulk exterior wall penetrations for refrigeration lines, condensate line, etc.



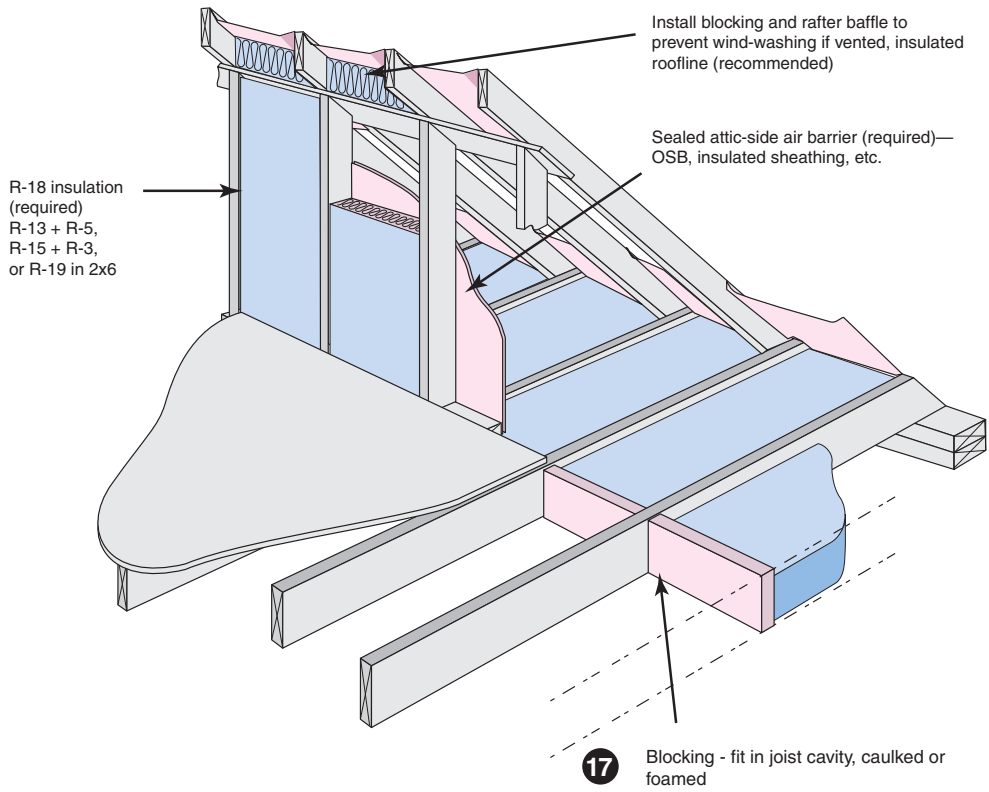
### Combustion closet

Combustion air inlets  
as per mechanical  
and/or fuel gas code

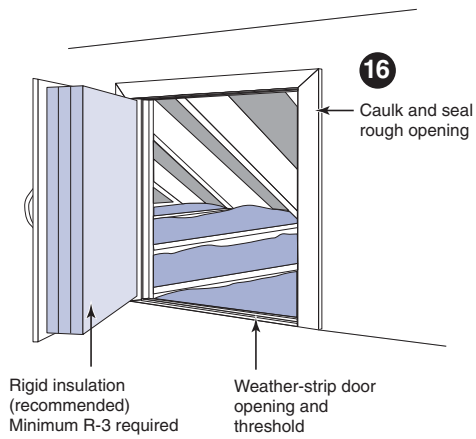


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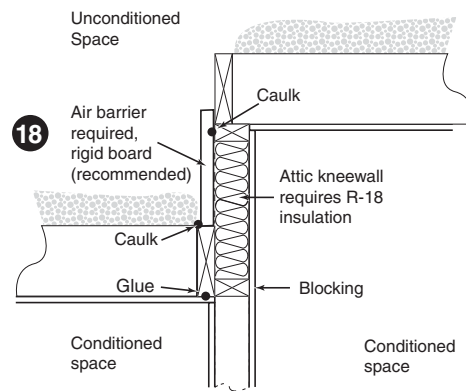
## Air sealing key points *continued*



### Attic knee-walls



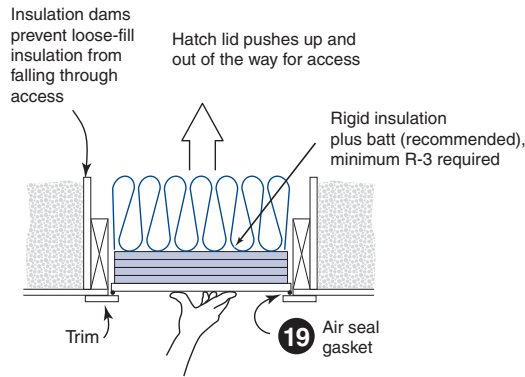
### Two-level attic



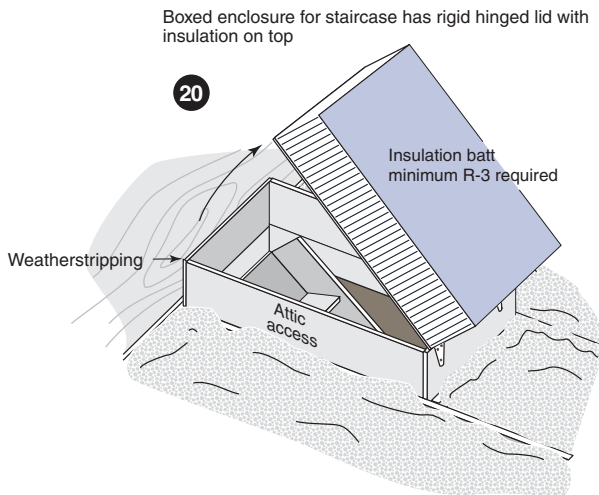
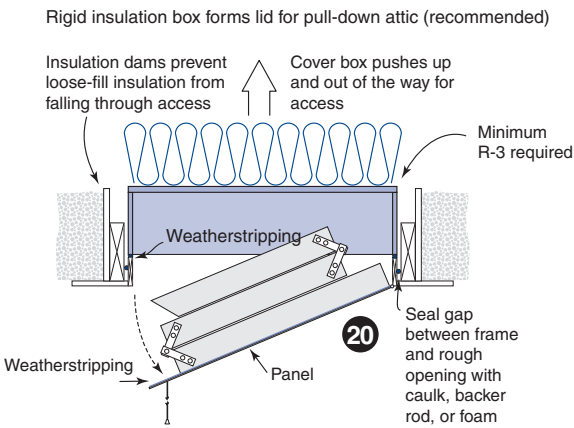
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## Air sealing key points *continued*

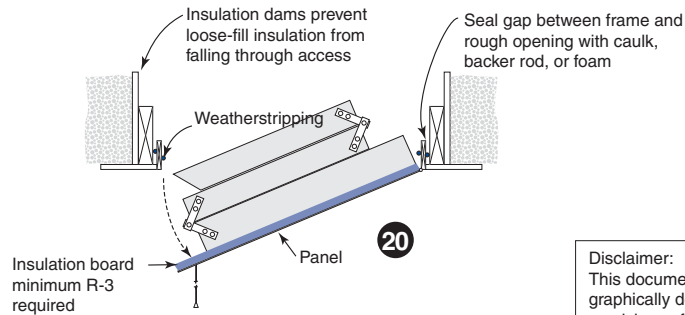
### Attic scuttle



### Attic pull-down stairs

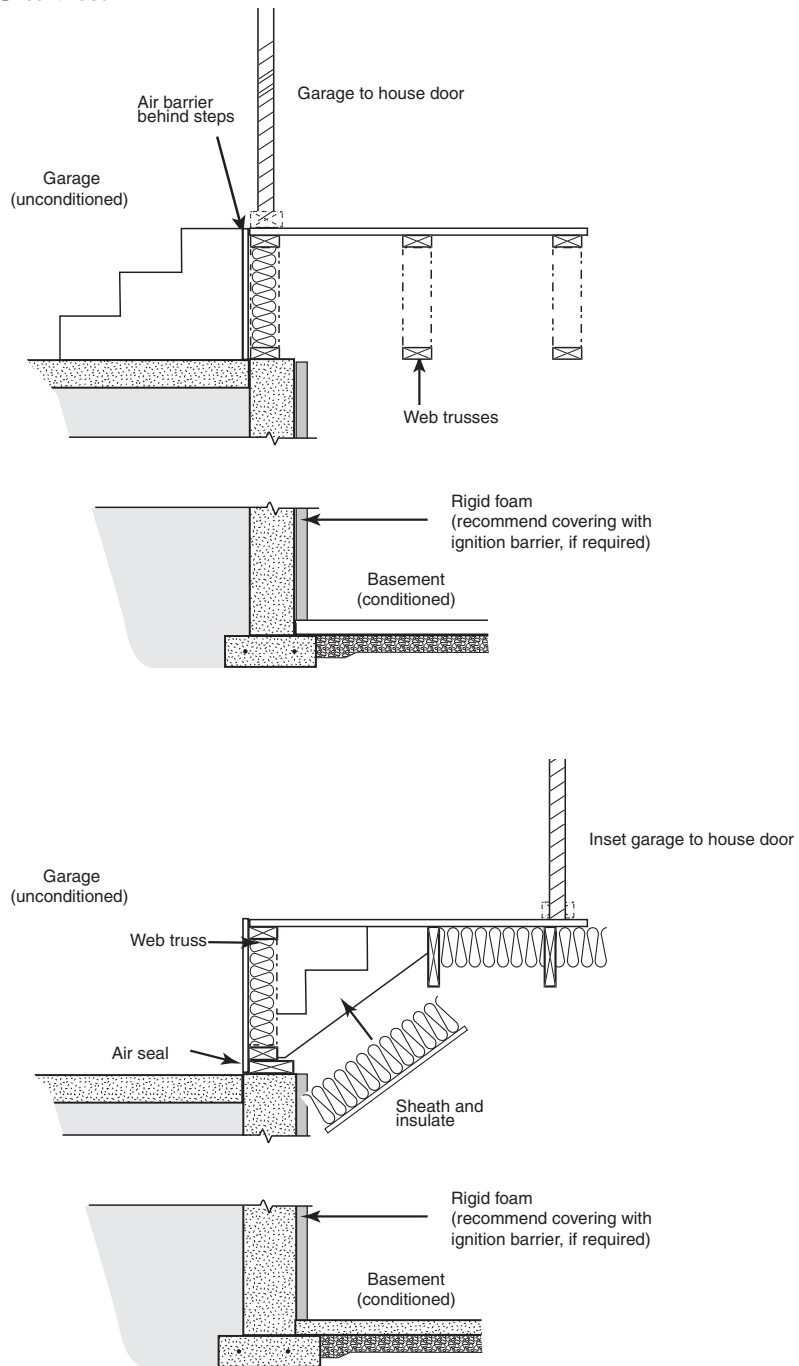


### Attic pull-down stairs



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### Air sealing key points *continued*



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