

The mysterious case of the missing  
rafters, extremely tiny collar ties and  
what the heck is a ridge board and  
ridge vent anyway?

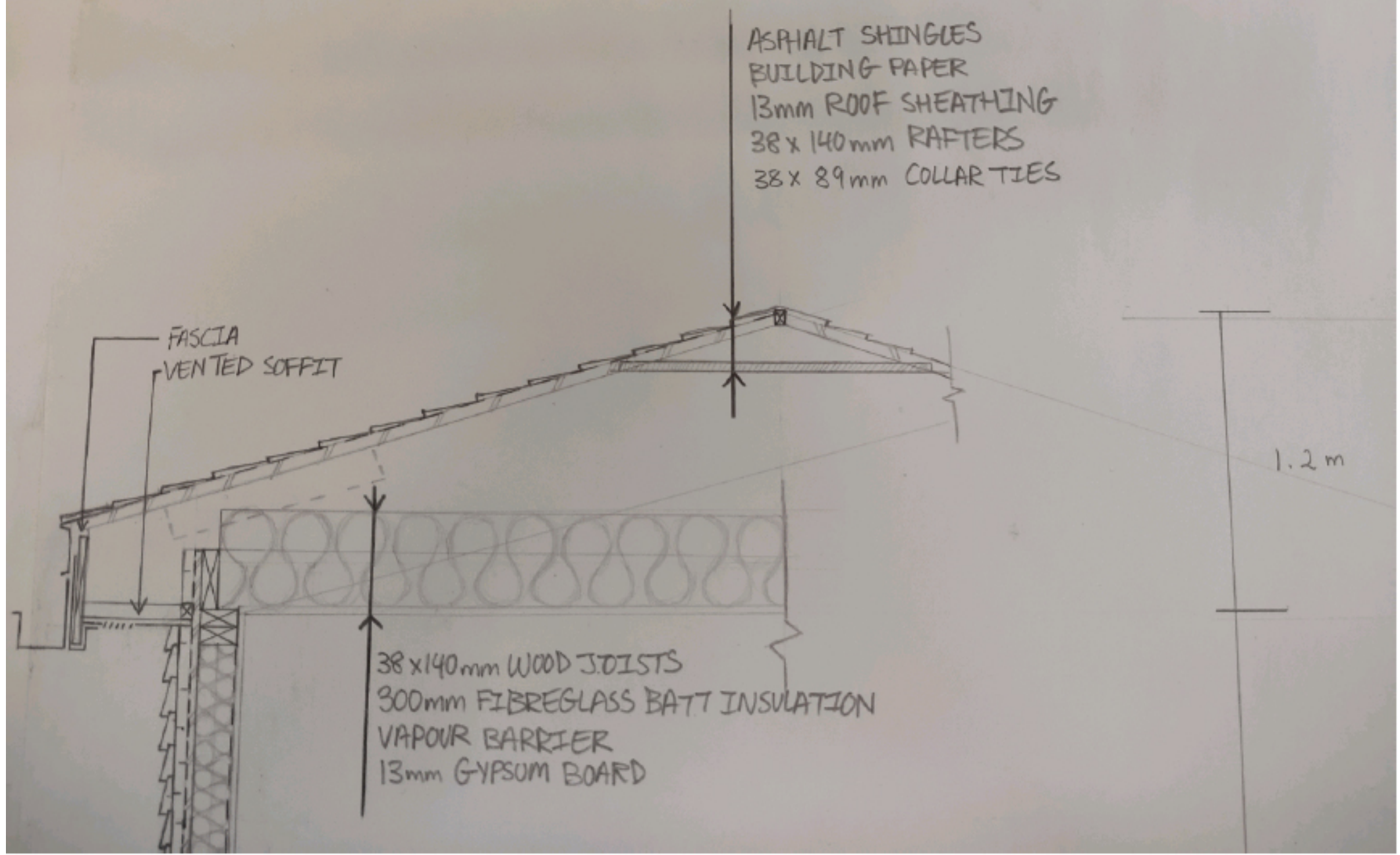


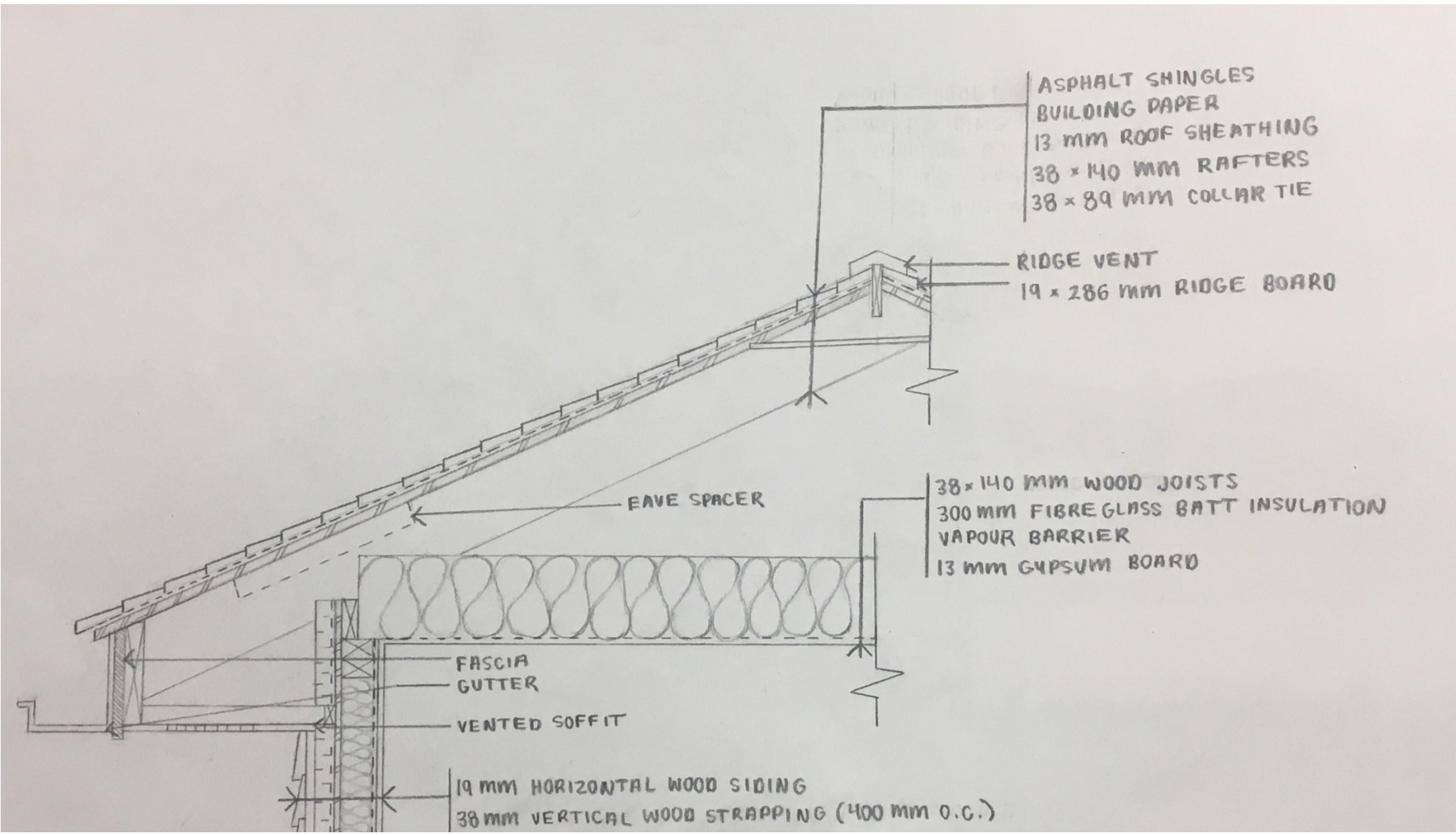
ASPHALT SHINGLES  
BUILDING PAPER  
13mm ROOF SHEATHING  
38 x 140mm RAFTERS  
38 x 89mm COLLAR TIES

FASCIA  
VENTED SOFFIT

1.2 m

38 x 140mm WOOD JOISTS  
300mm FIBREGLASS BATT INSULATION  
VAPOUR BARRIER  
13mm GYPSUM BOARD





ASPHALT SHINGLES  
BUILDING PAPER  
13 MM ROOF SHEATHING  
38 x 140 MM RAFTERS  
38 x 89 MM COLLAR TIE

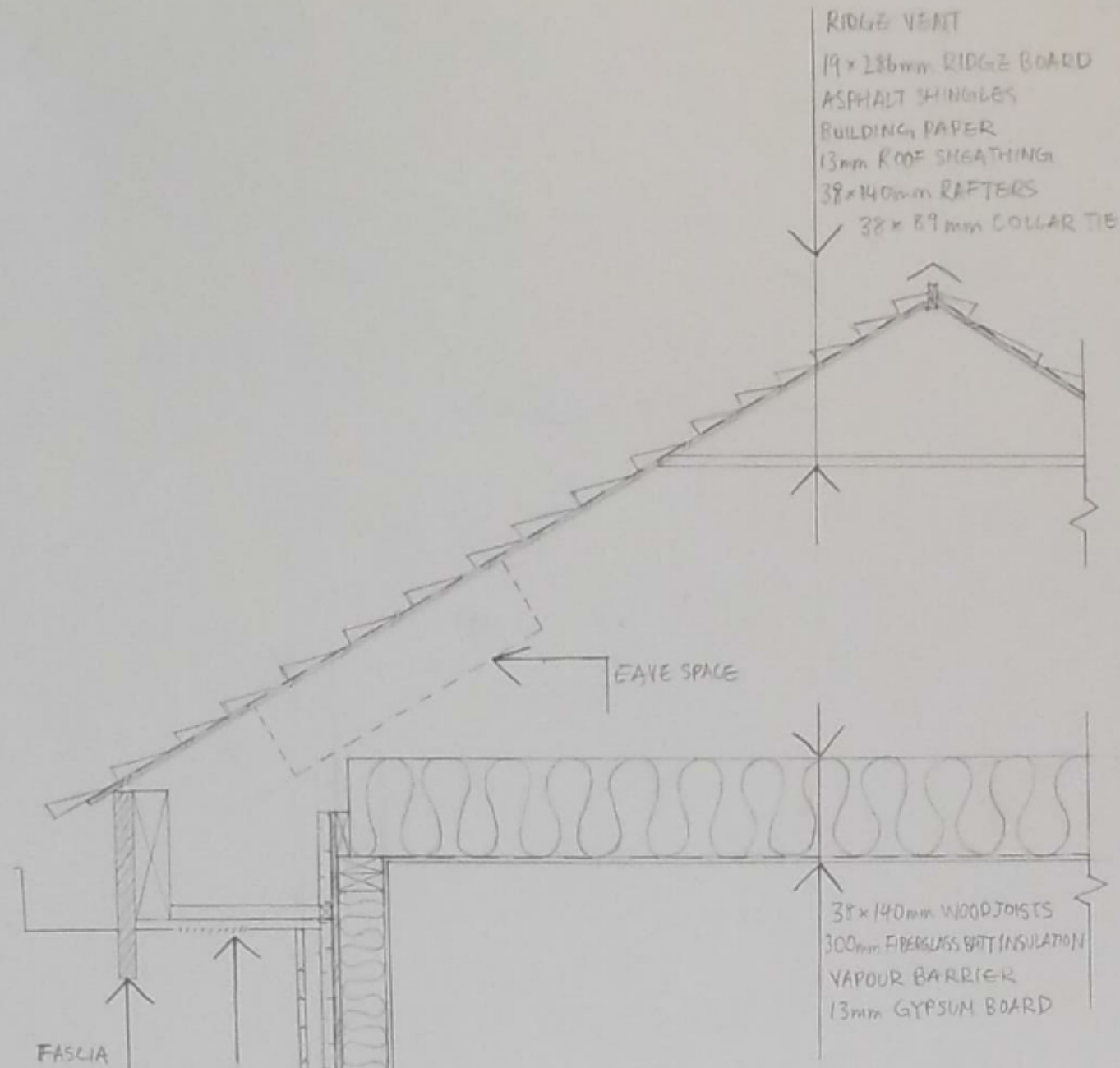
RIDGE VENT  
19 x 286 MM RIDGE BOARD

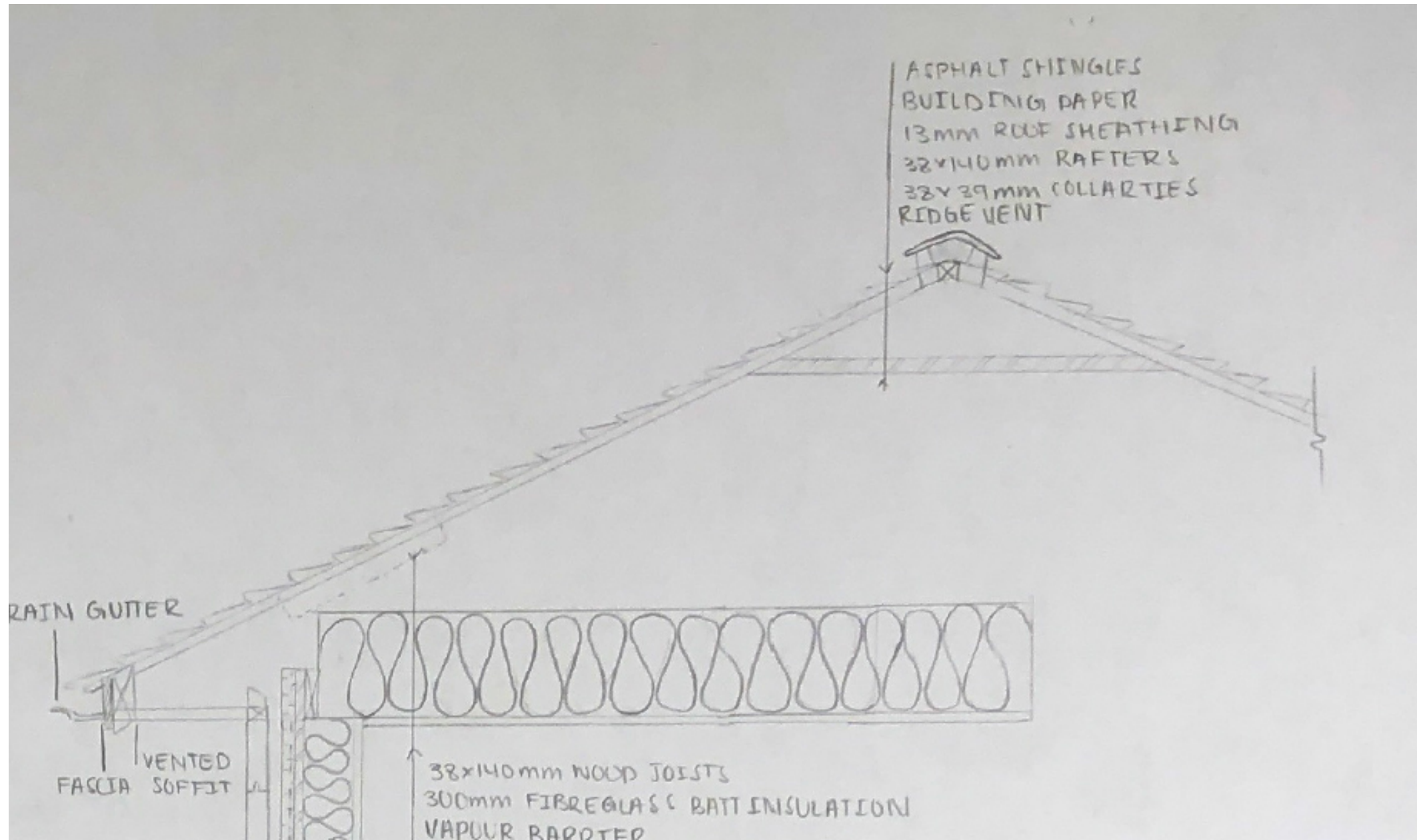
EAVE SPACER

38 x 140 MM WOOD JOISTS  
300 MM FIBREGLASS BATT INSULATION  
VAPOUR BARRIER  
13 MM GYPSUM BOARD

FASCIA  
GUTTER  
VENTED SOFFIT

19 MM HORIZONTAL WOOD SIDING  
38 MM VERTICAL WOOD STRAPPING (400 MM O.C.)

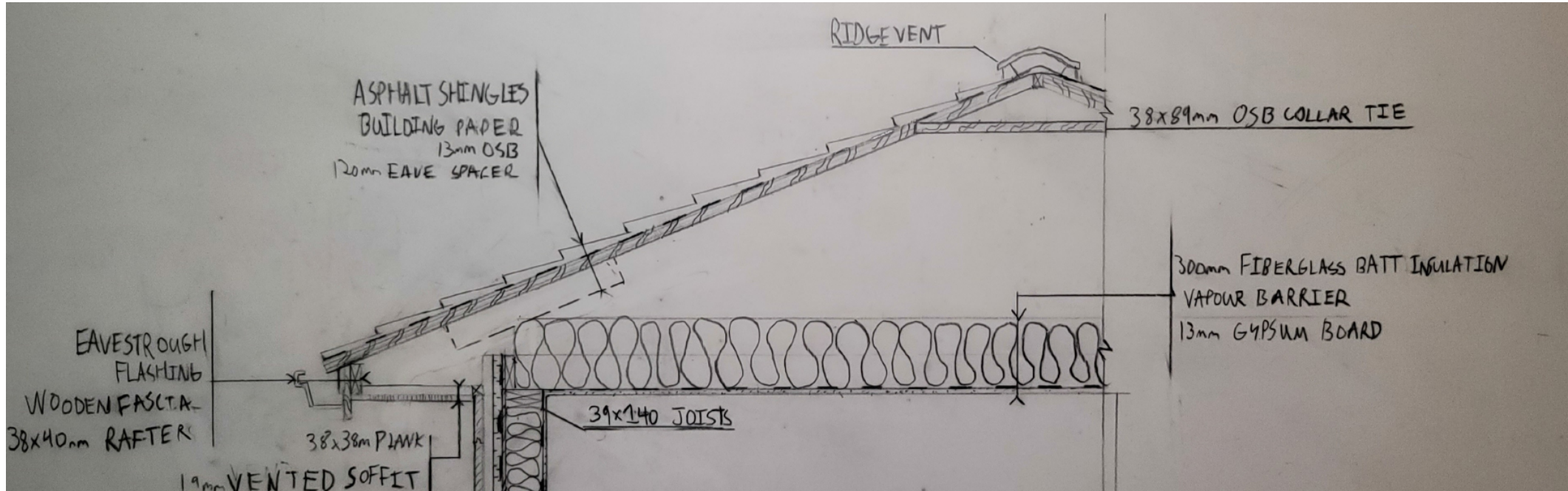


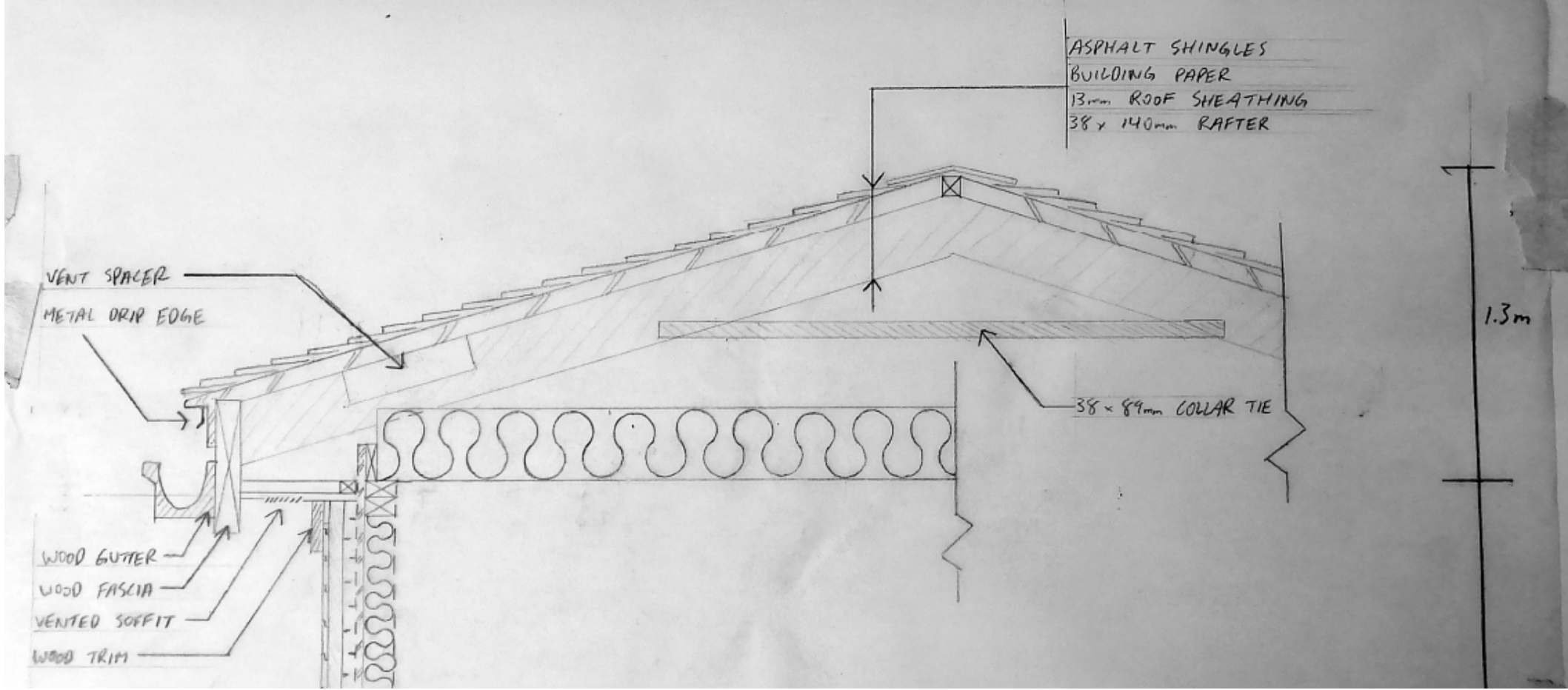


ASPHALT SHINGLES  
BUILDING PAPER  
13MM ROOF SHEATHING  
38x140MM RAFTERS  
38x39MM COLLAR TIES  
RIDGE VENT

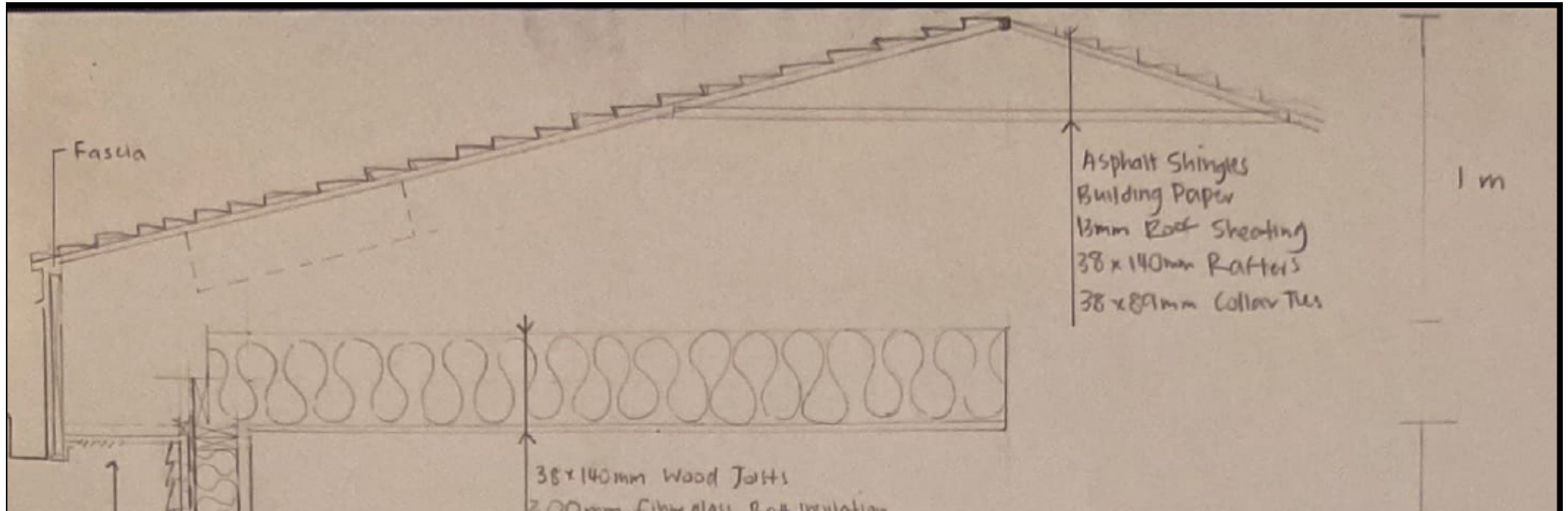
RAIN GUTTER  
FASCIA  
VENTED SOFFIT

38x140MM NOUP JOISTS  
300MM FIBREGLASS BATT INSULATION  
VAPOUR BARRIER









The purpose of starting to learn about building construction is to know WHERE to look for the BEST answers.

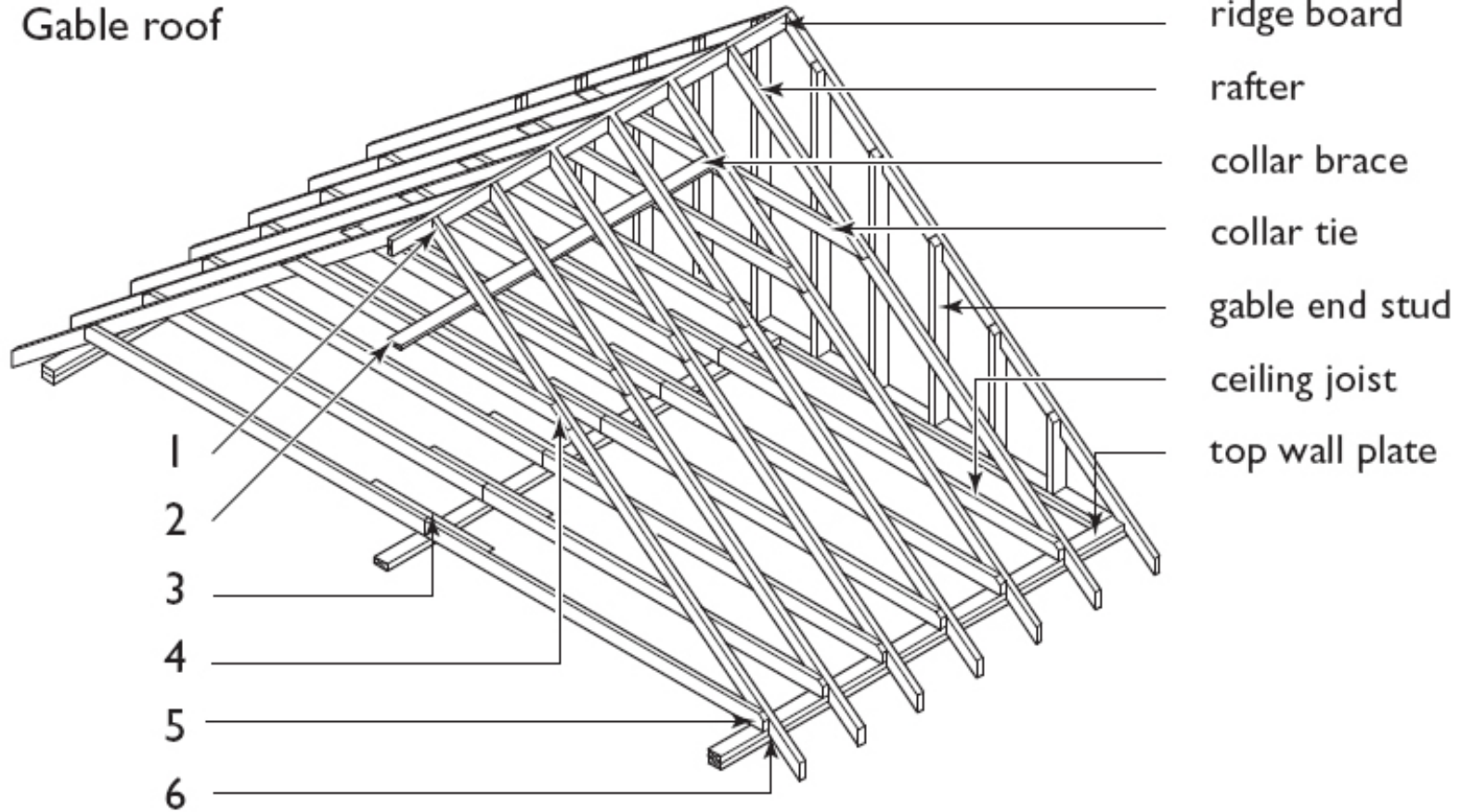
Note: 1A classmates are usually NOT a recommended source

Check out the links Terri gave you to technical material! CMHC Best Practice Guides or that Wood Frame House Construction PDF

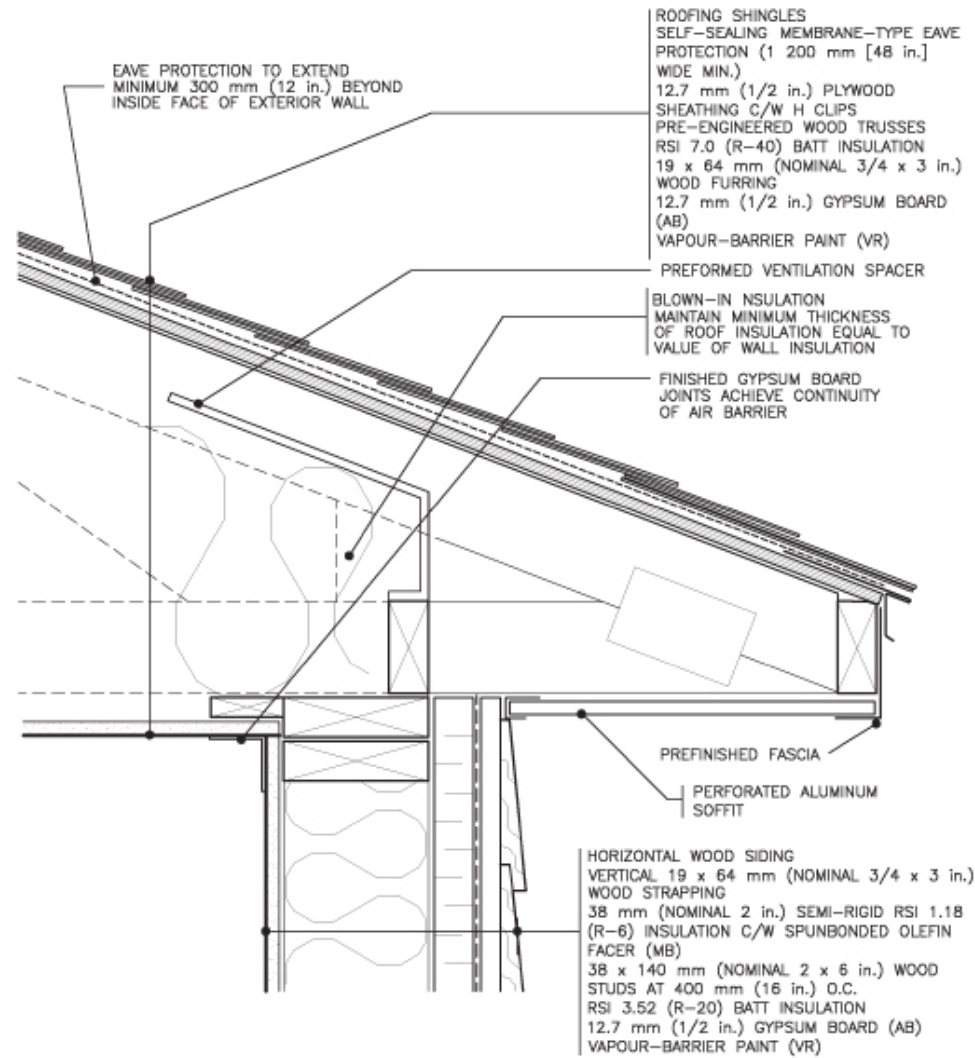
plate over centre bearing

**A**

Gable roof



Isometric of a rafter framed roof with collar ties from the CMHC Wood Frame book.

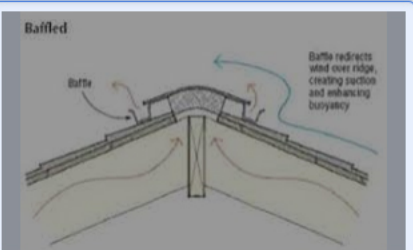


**WOOD SIDING WALL AT ROOF**

SCALE: 1:5 EXTERIOR ADA INSULATION SYSTEM (WALL ASSEMBLY B)

9

CMHC Best Practice Guide



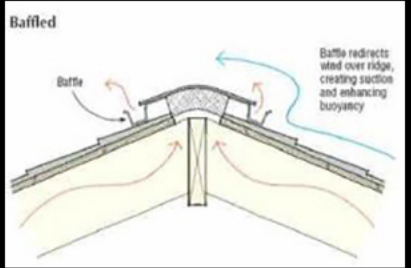
Can Wind Short-Circuit a Ridge Vent ...  
jlconline.com



Ridge Vent System on My Roof ...  
emmonsroofing.com



Does a Roof Need a Ridge Vent? - Fine ...  
finehomebuilding.com



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RIDGE VENT INSTALLED ON YOUR ROOF ...  
honestroof.com



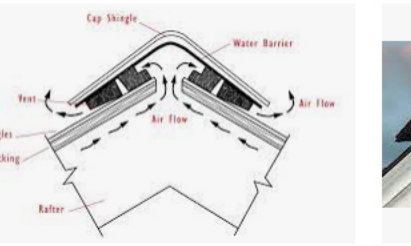
The Ridge Vent: A Look at Its Advantages  
patriotroofing.com



ASK THE INSPECTOR: Ridge vents may not ...  
homes.winnipegfreepress.com



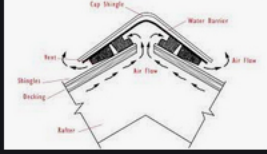
Ridge Vent on a Shingled Roof  
thespruce.com



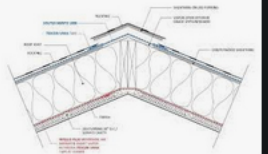
About ProfileVent Products  
profilevent.com



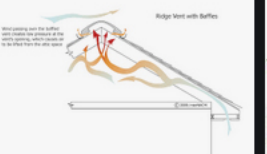
AtticDefense Ridge Vent | Quarrix  
quarrix.com



About ProfileVent Products  
profilevent.com



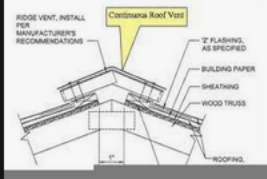
Vapor Venting An Unvented Roof...  
pinterest.com



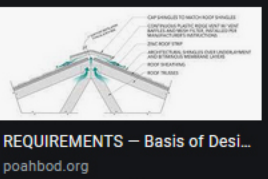
Soffit and Ridge Vent with Baffle...  
nachi.org



240 Roof Framing Structure Deta...  
pinterest.com



Ridge Vent Details | Free Images ...  
clker.com



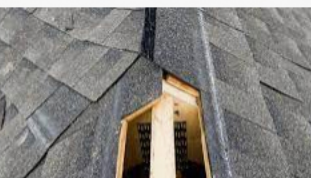
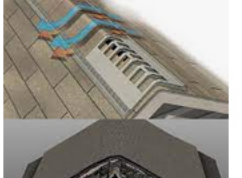
Complete Guide to Trimline® Ve...  
bestmaterials.com



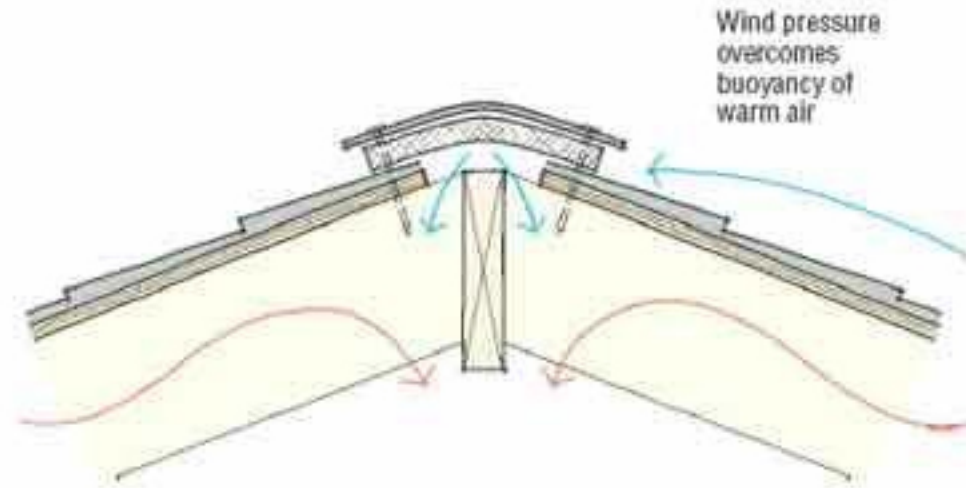
Attic-Ventilation Strategies - Fine...  
finehomebuilding.com



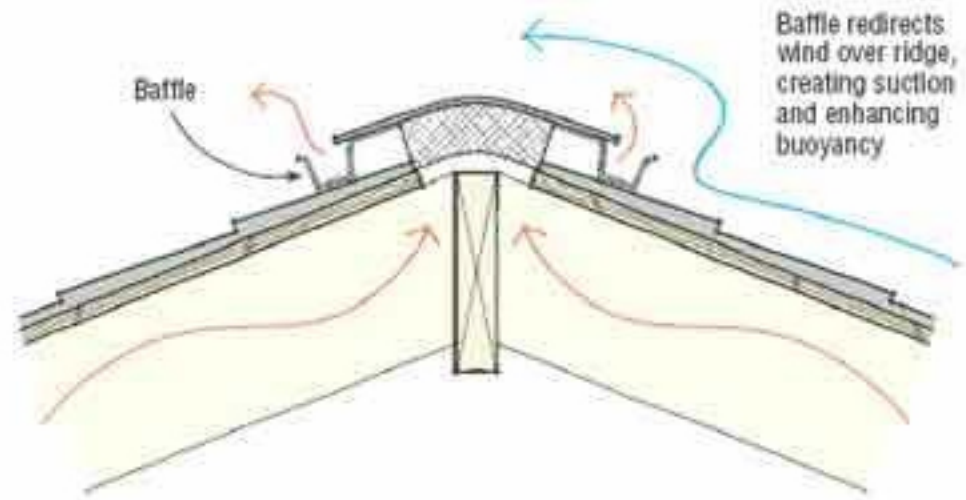
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finehomebuilding.com

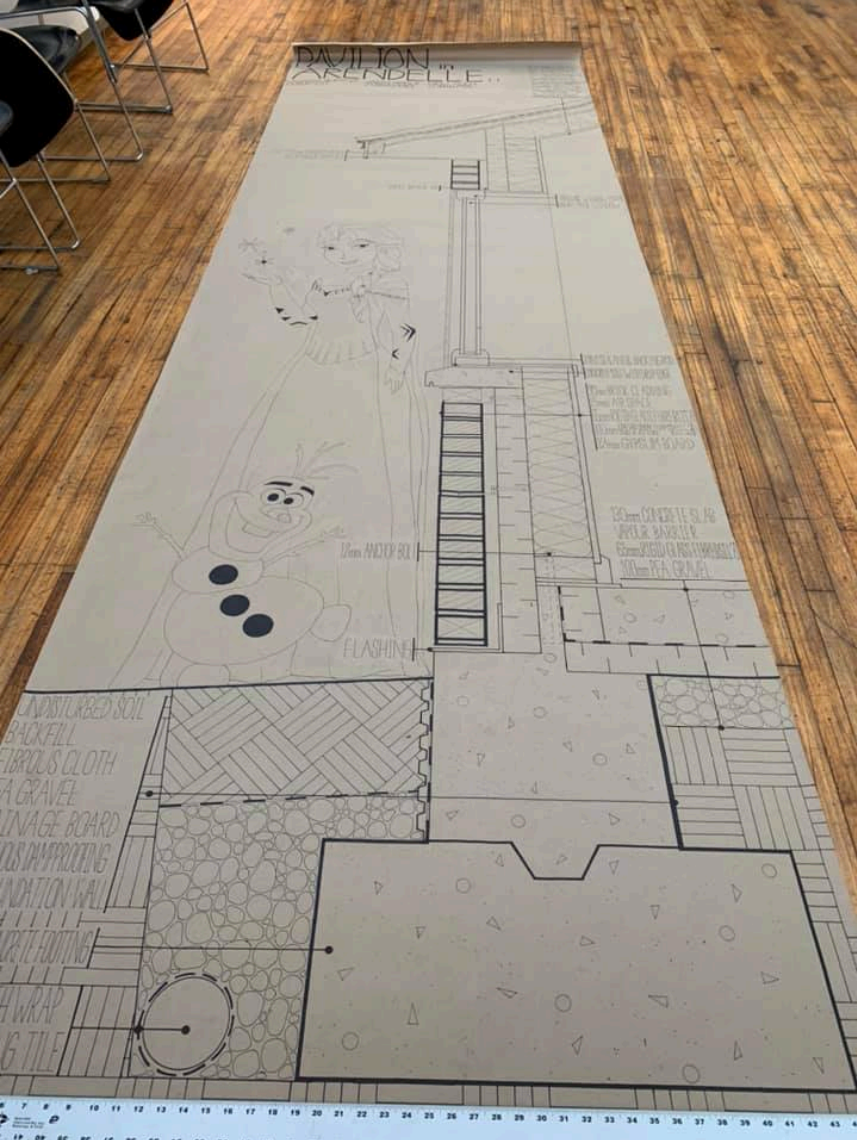
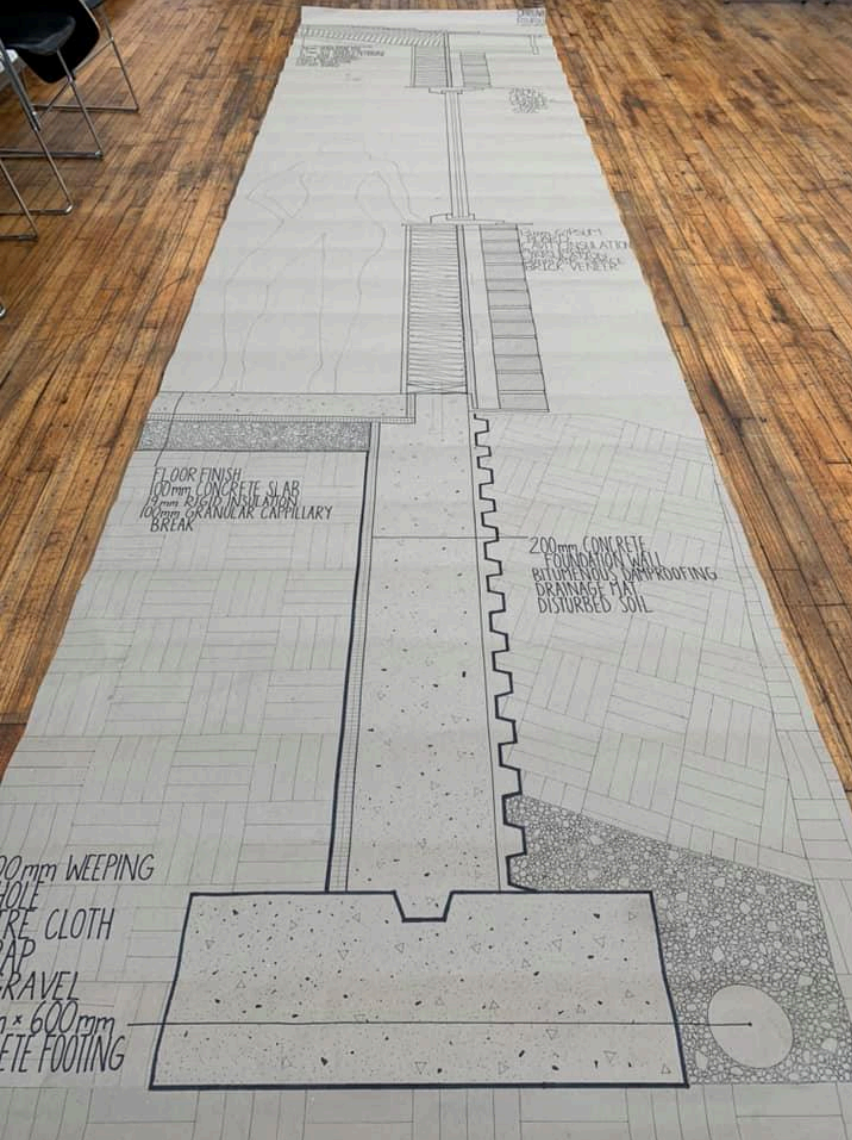


### Unbaffled



### Baffled





BC (Before COVID) the final project for Arch 172 was a FULL sized (1:1) wall section.

For the weekly SKETCH assignment for Arch 173 we are going to quasi replicate that project, detail by detail.

Each week (after this one) you will be assigned a detail drawing to be done either at 1:1 or Half full scale.

These are to be hand drafted on paper. I suggest KRAFT paper and Sharpie markers as was done in the former 172 project.

Line weights must be differentiated as you can see in the previous drawings.

Begin to understand the size and scale of building materials.

[http://tboake.com/173\\_sketch\\_w2022.html](http://tboake.com/173_sketch_w2022.html)