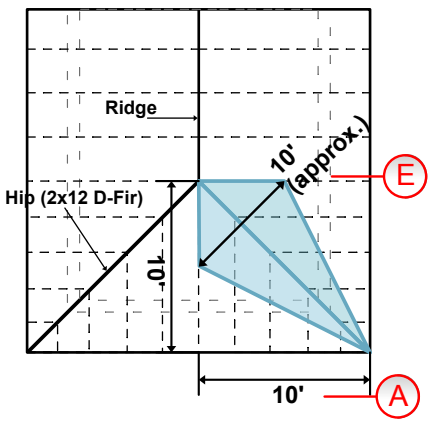
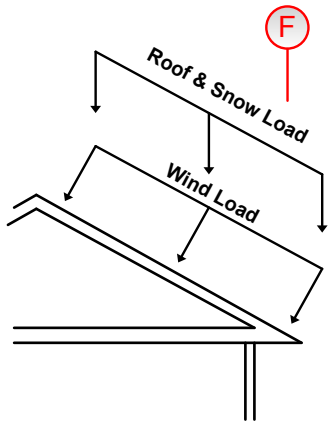
Hip Rafter [USA Timber Beam]

See how to design a Hip Rafter wood beam to ASD or LRFD requirements.

Learn how to translate your CAD plan and elevation directly to a ClearCalcs calculation!





LOADING DATA:

Dead = 10 psf

Snow = 25 psf

Wind = 30 psf
(acting normal to hip)

G

DESIGN CRITERIA:

Slope = 9:12 — B

Rafter spacing = 24" MAX O.C
(continuous bracing per NDS) — C

Short-Term Defl.: L/180
Long-Term Defl.: L/120 — H

End Connection: Nail Plate — D