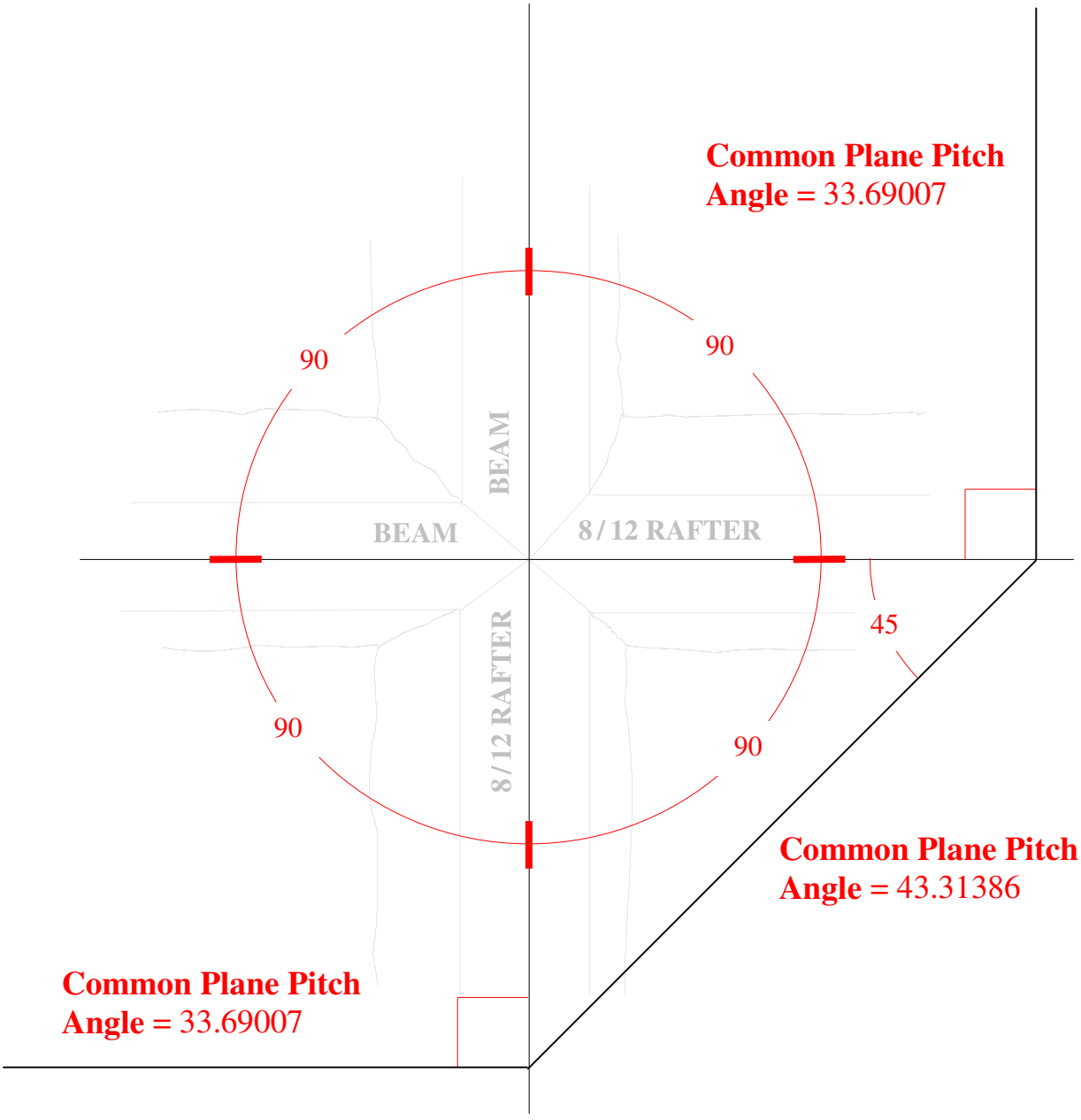
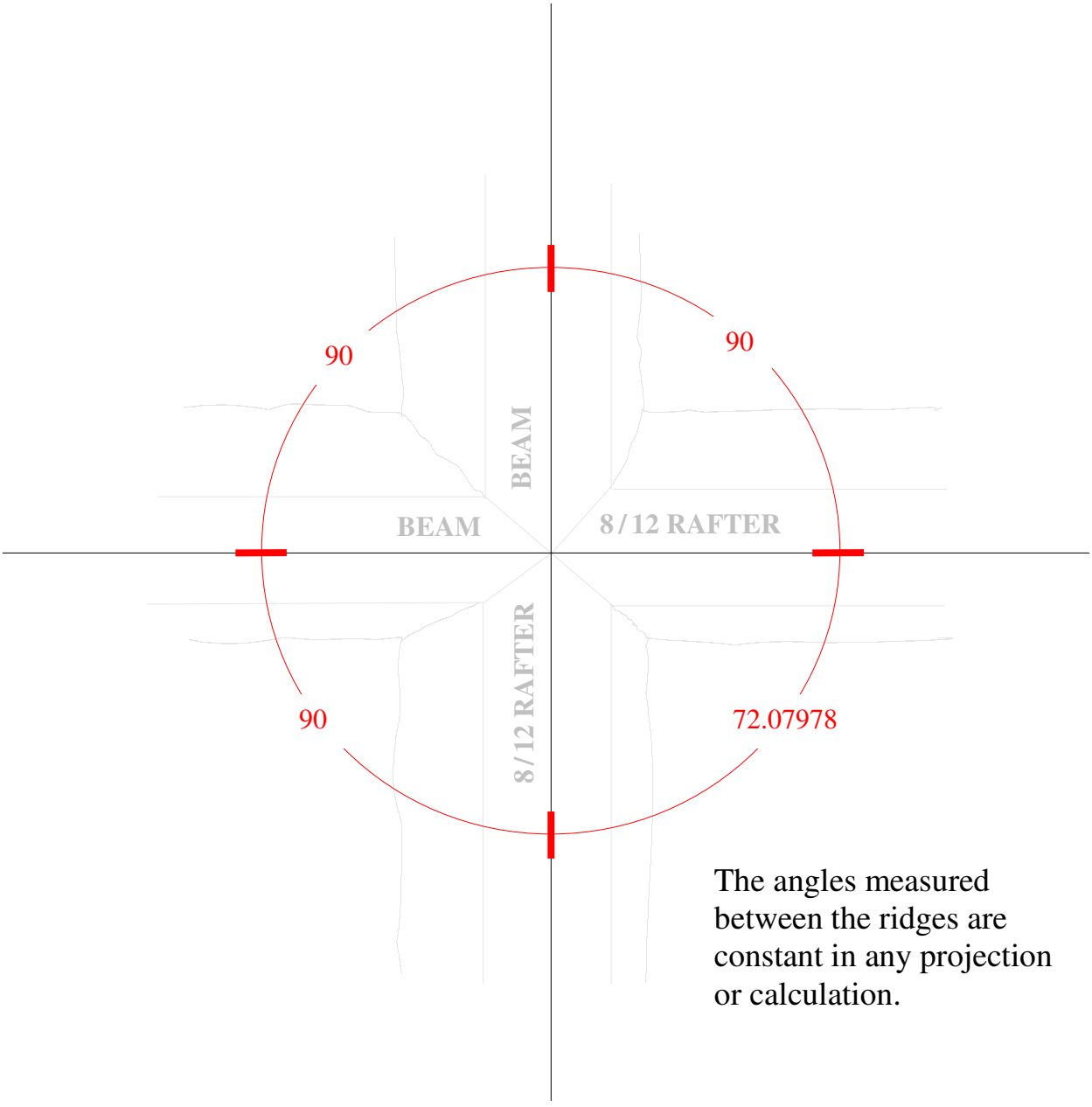
# Sketch of CONVERGENT JOINT
# Deck Angles: True Deck Projection

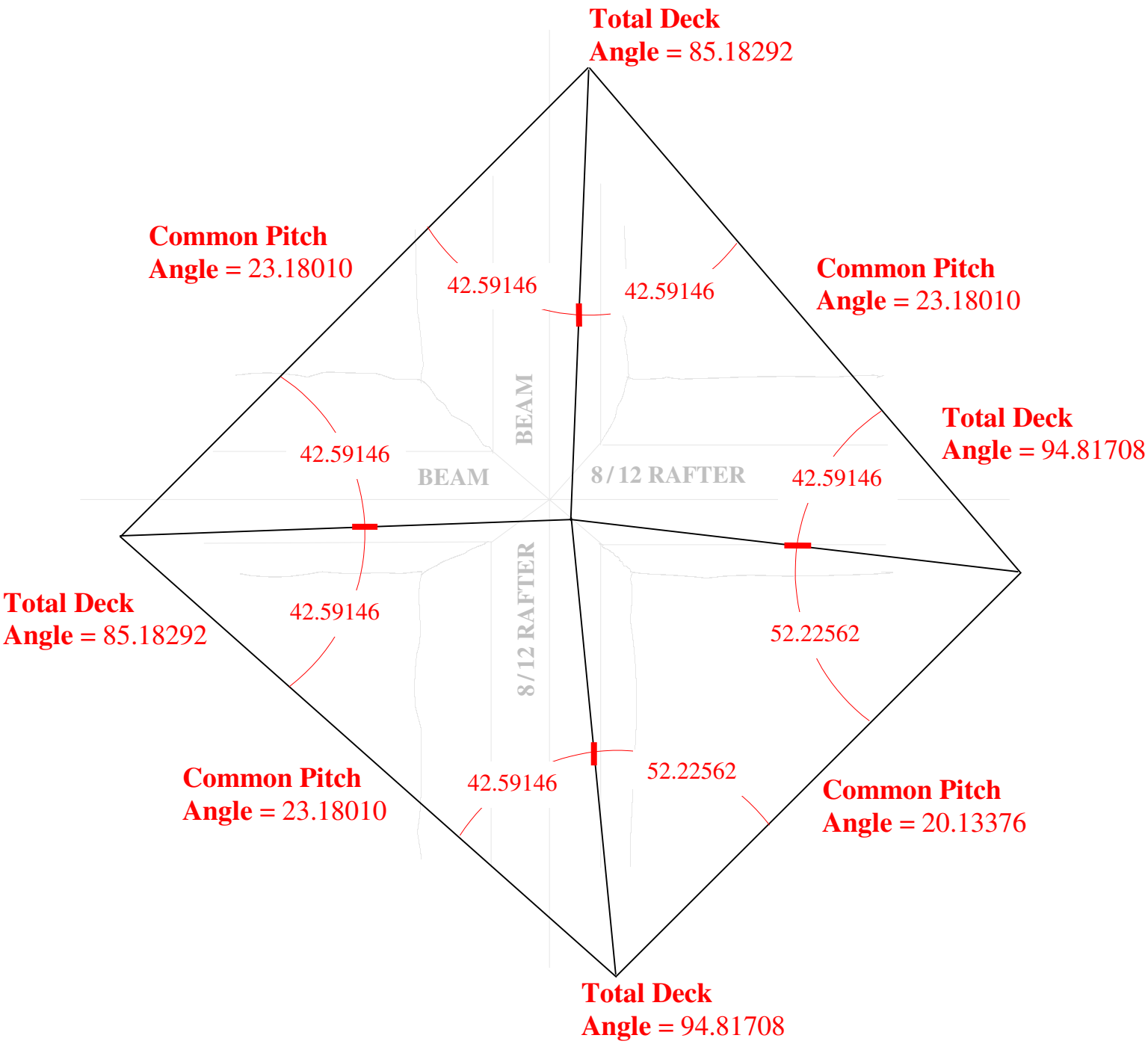


# Sketch of ASSEMBLED CONVERGENT JOINT
## Plan showing locations of
## Angles between Ridges on Roof Planes

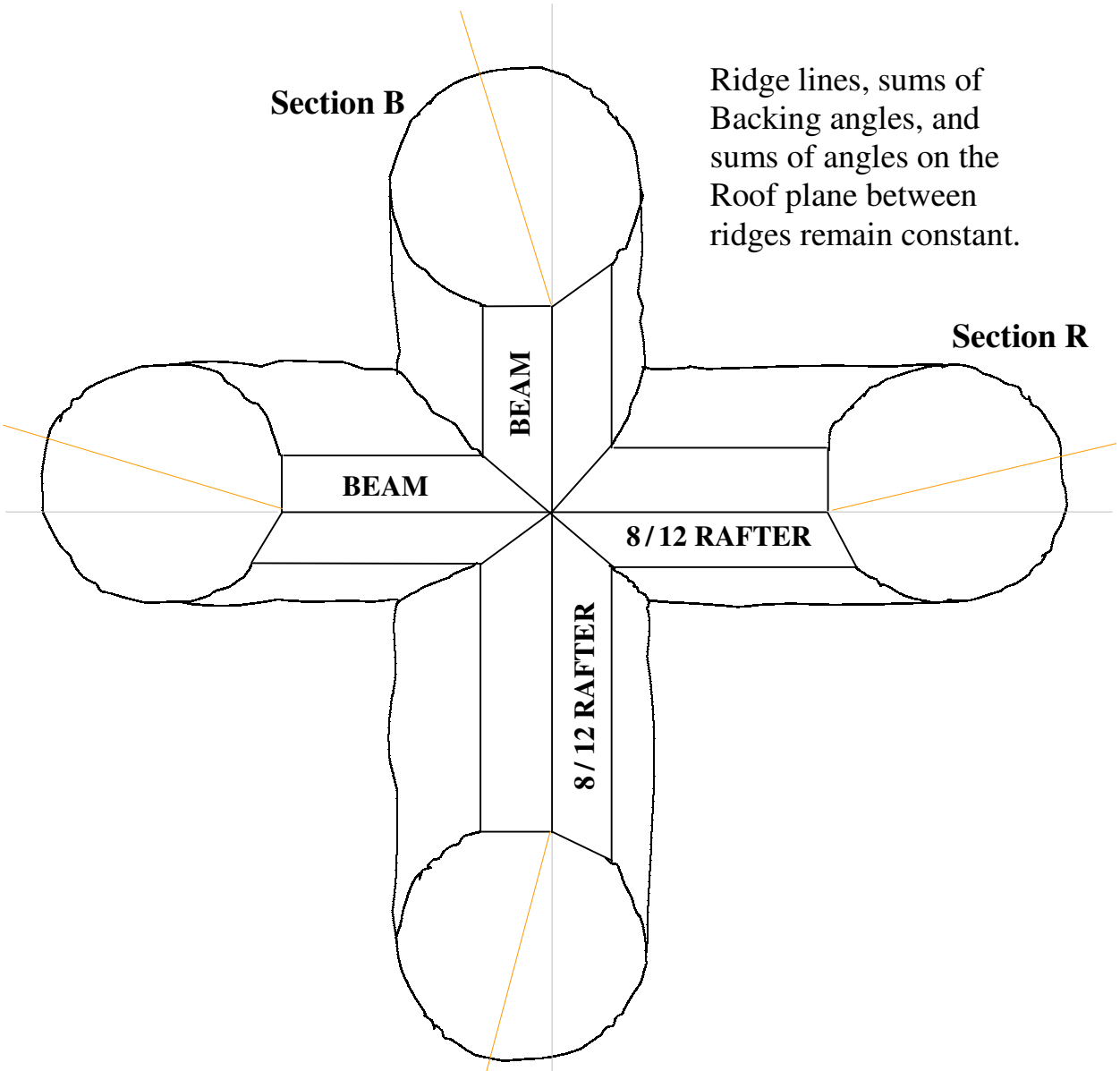



The angles measured between the ridges are constant in any projection or calculation.

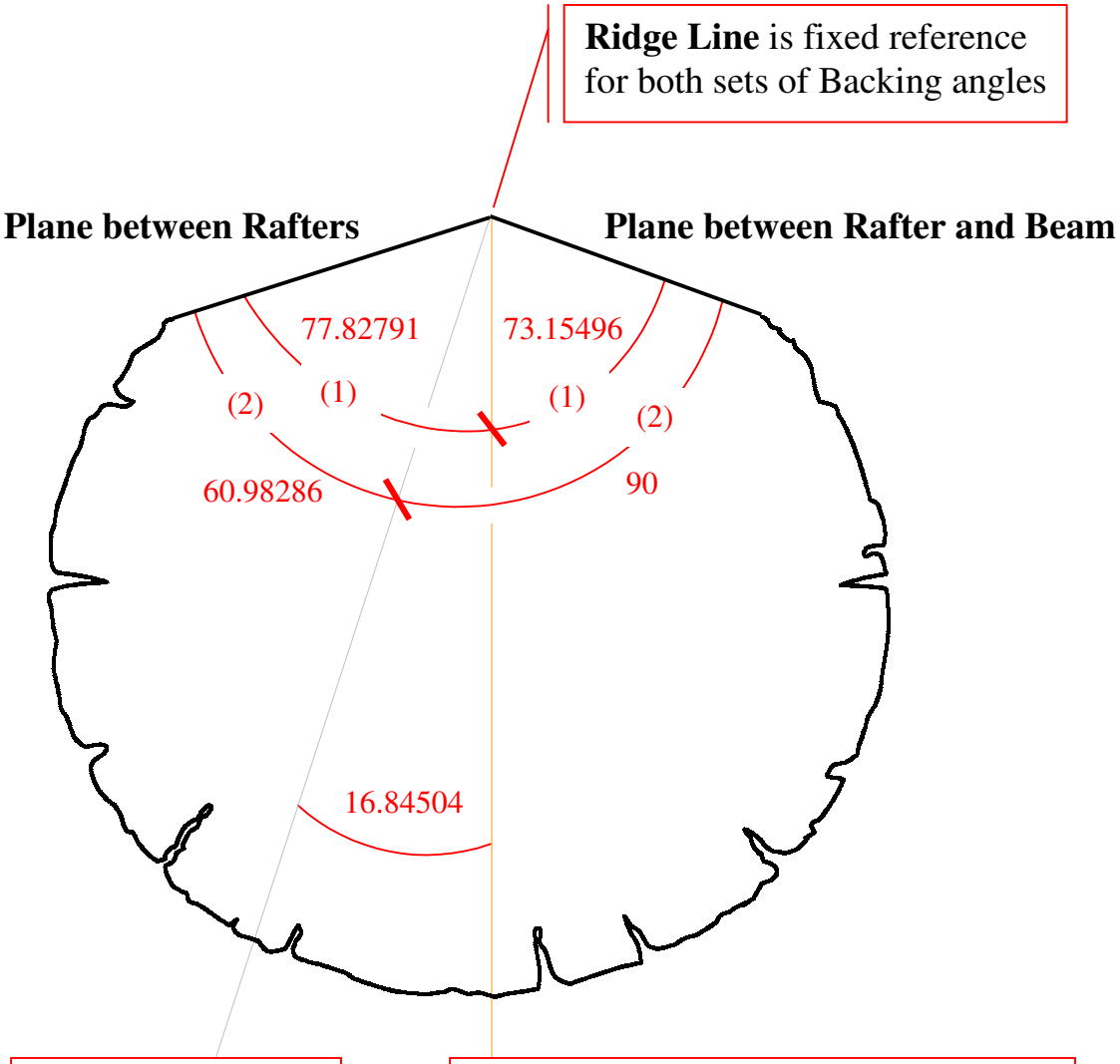
**Sketch of ASSEMBLED CONVERGENT JOINT**
**Plan with Superimposed Inclined Deck Projection**



# Sketch of ASSEMBLED CONVERGENT JOINT
## Plan and Revolved Sections



# Layout of Backing Angles
## Section R through 8/12 Rafter looking toward peak

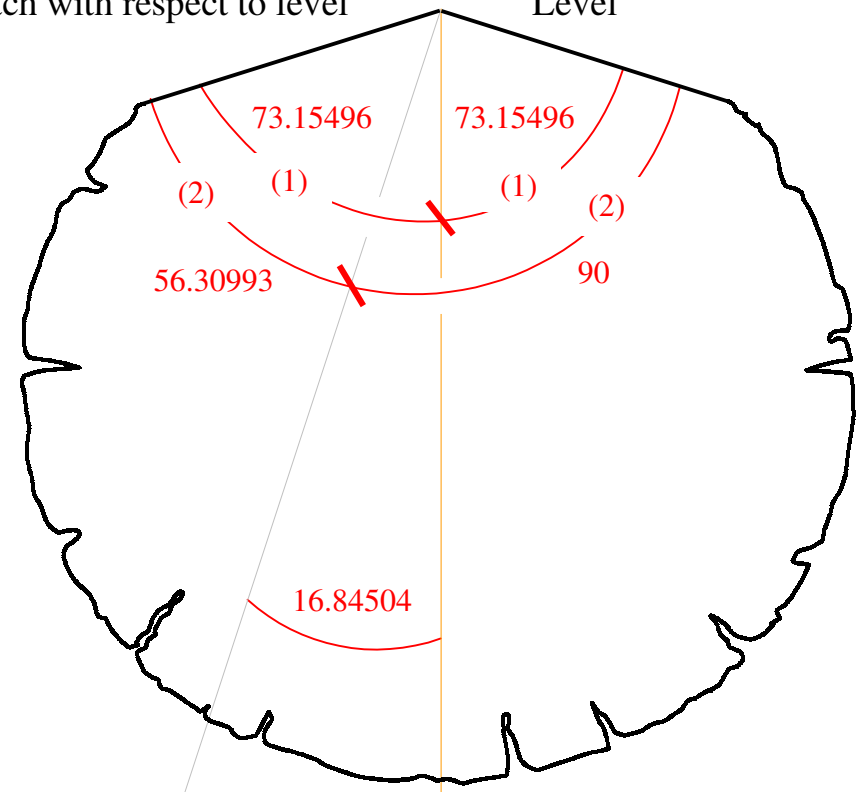


# Layout of Backing Angles
## Section B through Beam looking toward peak

**Ridge Line** is fixed reference for both sets of Backing angles

**Plane between Rafter and Beam:**
8 / 12 pitch with respect to level

**Plane between Beams:**
Level

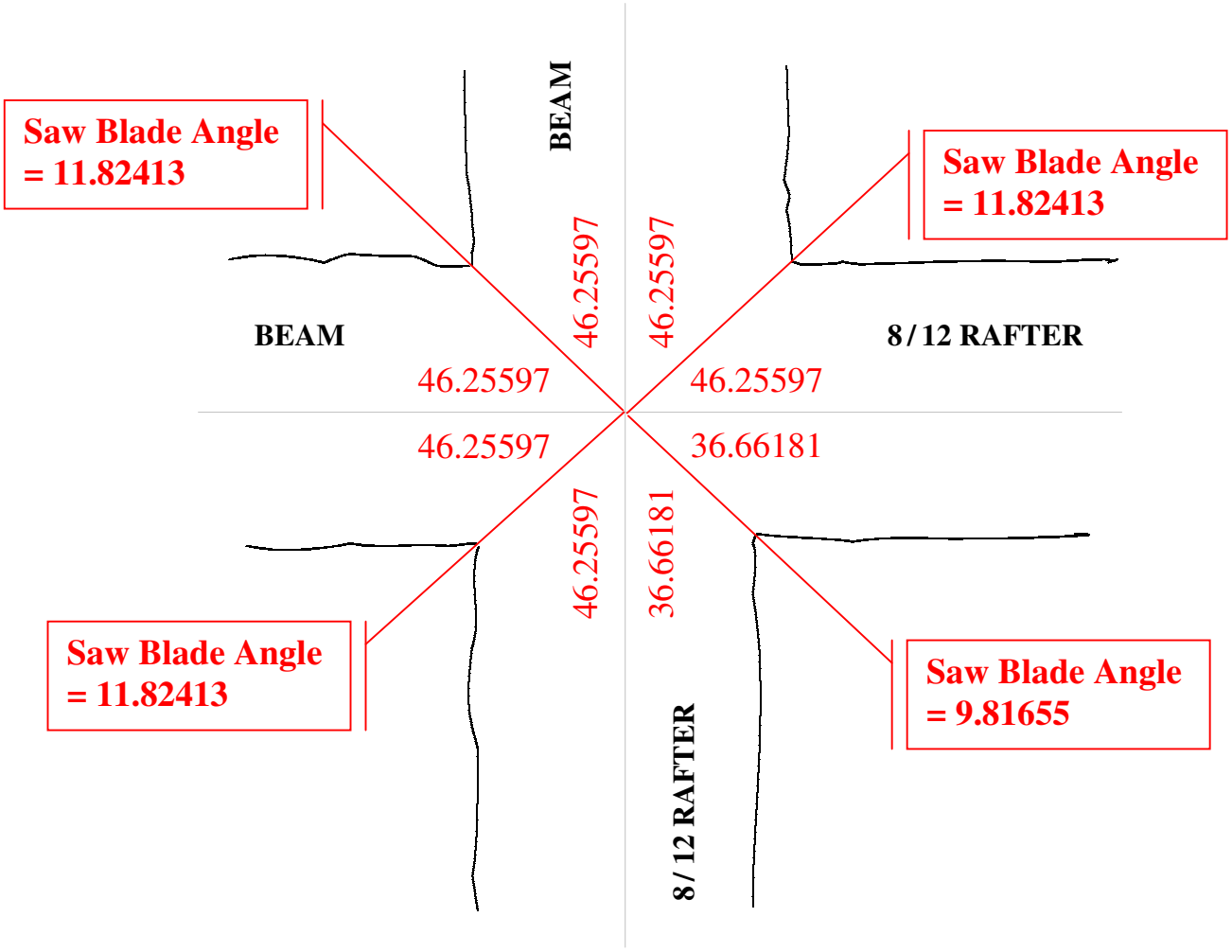



**True Plumb:**
Rotates to position when the logs are assembled.

**Plane of Convergence through Log Diameter:**
(1) Starting from the log diameter, lay out the complements of the Inclined Deck Backing angles.
(2) Lay out the complements of the Actual Deck Backing angles, using the Roof plane edges as reference lines.

# Sketch of MITER and SAW BLADE ANGLES

All bevel lines on jigs for the adjacent faces are **16.16075**




Miter angles are laid out **with respect to the Plane of Convergence** through the Log Diameter. The work is revolved to plumb this plane with respect to the cutting deck and shimmed to make the ridge line level.