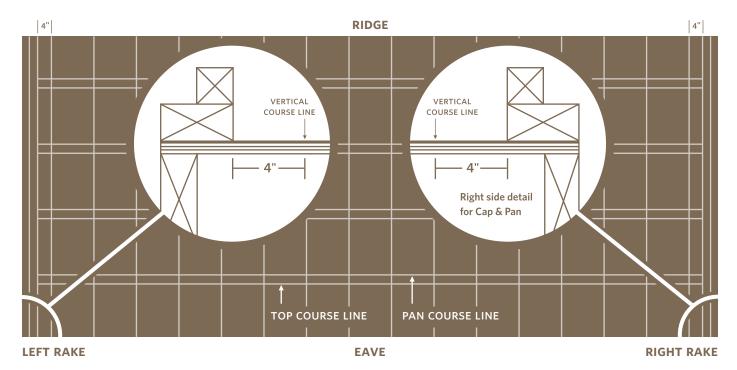


Layout, Coursing and Spacing



Horizontal or course lines for two-piece tile

Two-piece, or cap and pan tile require lines for both the tops and pans. The first course lines are determined by subtracting the overhang from the length of the tile. The pan lines will be marked first, then the cap line marked 3" lower. The rest of the courses will be marked by measuring from the cap lines to the ridge and dividing that distance by the exposure to get the number of courses. The pan tile will be cut at the ridge, so the final course of tops will end at the ridge nailer. Mark all lines starting at the eave course up to the ridge and snap with a chalk line.

	MAX. HORIZONTAL TOP COURSE LINE	MAX. VERTICAL RUN LINE
TWO-PIECE MISSION	17"	11"
TWO-PIECE MISSION SANDCAST	17"	11"
ALFARO	15"	8"
BAJA MISSION	14.5"	9"
BAJA MISSION SANDCAST	14.5"	9"
ROMAN PAN*	14.5"	13"
JUNIPERO	13.75"	9"
CAMBRIDGE SHINGLE	6.5"	†

 $^{* \} Dimensions \ shown \ are for use \ with \ Baja \ Mission \ tops. \ For \ Roman \ tops: \ Max. \ Horizontal = 14.75" \ and \ Max. \ Vertical \ is \ 18".$

Vertical or run lines

The first run lines in from the rake boards are at 4". The balance of the runs can be laid out with on-center distances being equal. The range in the on-center distances varies with profile.

To view complete instructions, refer to the Tile Roofing Institute manuals in the Redland binder, or visit www.redlandclaytile.com.

[†] Placed with gaps in adjacent course staggered 1.5" minimum and spaced approximately .375" between tiles in each course.



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LIMITED LIFETIME PRODUCT WARRANTY

All Redland Clay Tile colors and blends have natural color variations due to the inherent characteristics of the raw materials used. To avoid excess color patterning, checker-boarding or stair stepping, the installer should periodically check the overall roof color from ground level at a reasonable distance.



