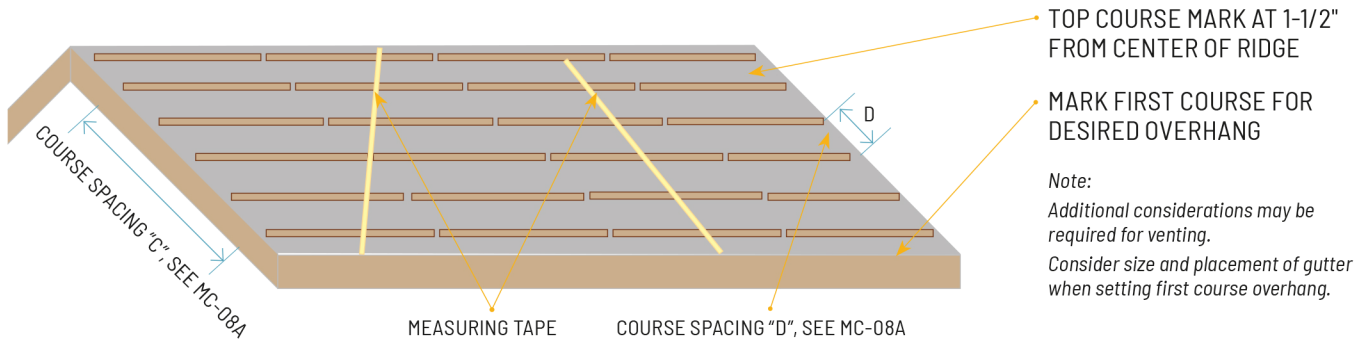


ROOF LAYOUT

MC-08

Utilizing specially marked measuring tape

To achieve optimum beauty, the area between the eave and the ridge should be divided into equal tile courses, when possible. Minimum 3" overlap must be maintained for all tiles unless design of tile precludes. (see MC-04 for batten applications)



ROOF LAYOUT FOR CLAY DIAGONAL CUT ONE-PIECE S TILE

1.

HORIZONTAL LAYOUT

- Using a full tile, determine desired overhang at eave and snap horizontal chalk line across roof at head end of tile or top batten. Use of rain gutter and eave closures should be considered in determining overhang.
- At top of roof deck, mark a reference point by measuring 1-1/2" from the center of the ridge, plus the distance of a full course (i.e. 15" for a 18" tile length tile).
- Measure up the roof slope to the reference point and divide by the manufacturers maximum exposure in an effort to determine if the roof section will terminate with a full tile.
- Mark roof deck for each course of tile and snap chalk lines over entire roof.
- If roof section does not terminate with a full tile at the ridge, decrease the course exposure in small increments (typically 1/4") in an attempt to finish with a full tile at the ridge.
- If the last course does not terminate with a full tile, cut to dimension, as required and fasten with a mechanical fastener or approved fastening method.

VERTICAL LAYOUT

- To ensure proper vertical alignment, determine the manufacturers stated maximum on-center spacing requirements and snap chalk lines as reference points, typically the inside of the tile.
- For gable end roof sections, determine the proper distance from the left and right rakes and mark the eave and ridge section to align the edge of the tiles.
- Measure between the two marks and divide by the manufacturers stated maximum on-center spacing. If required, decrease the on-center spacing, slightly in an effort to terminate a full tile at gable end(s). Ensure that the tile are within the manufactures minimum/maximum on-center spacing requirements.

Note: Tiles are allowed, by ASTM C1167/C1492 for a plus or minus 5% variance from the manufacturers stated "nominal dimensions". It is the installer's responsibility to verify the "delivered" roof tiles dimensions prior to commencing roof layout and to ensure that the tile is installed with in the manufacturers minimum headlap and on-center spacing requirements. Most diagonal-cut tile will allow slight course exposure adjustments, typically 1/4" per tile.

Drawing shown depicts the application of all tile profiles. Unless otherwise noted, it would apply to either concrete or clay tiles.