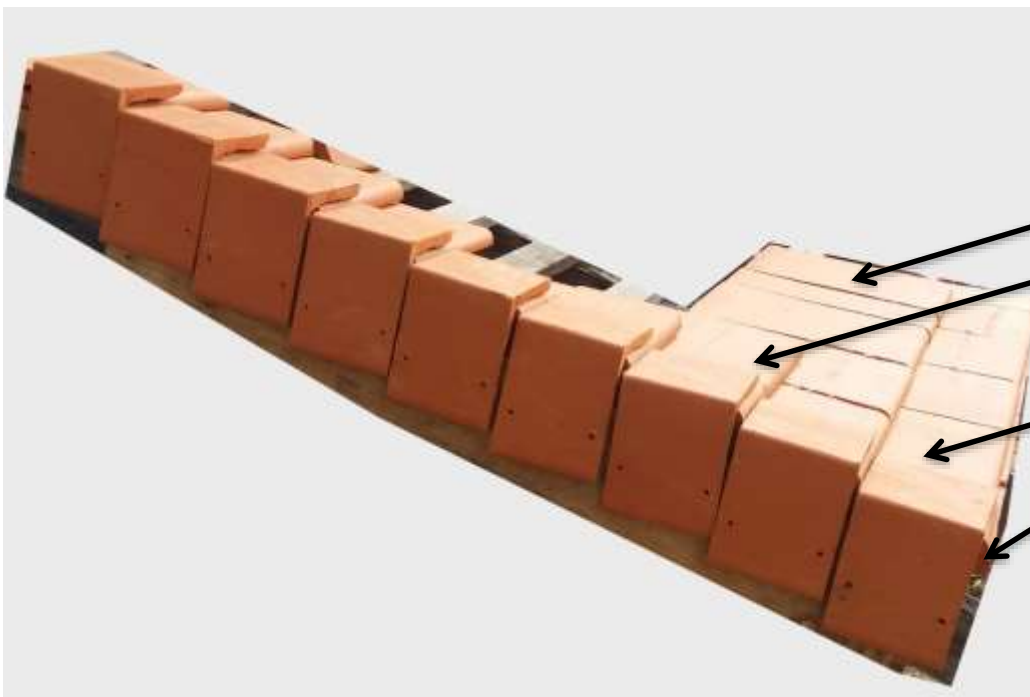
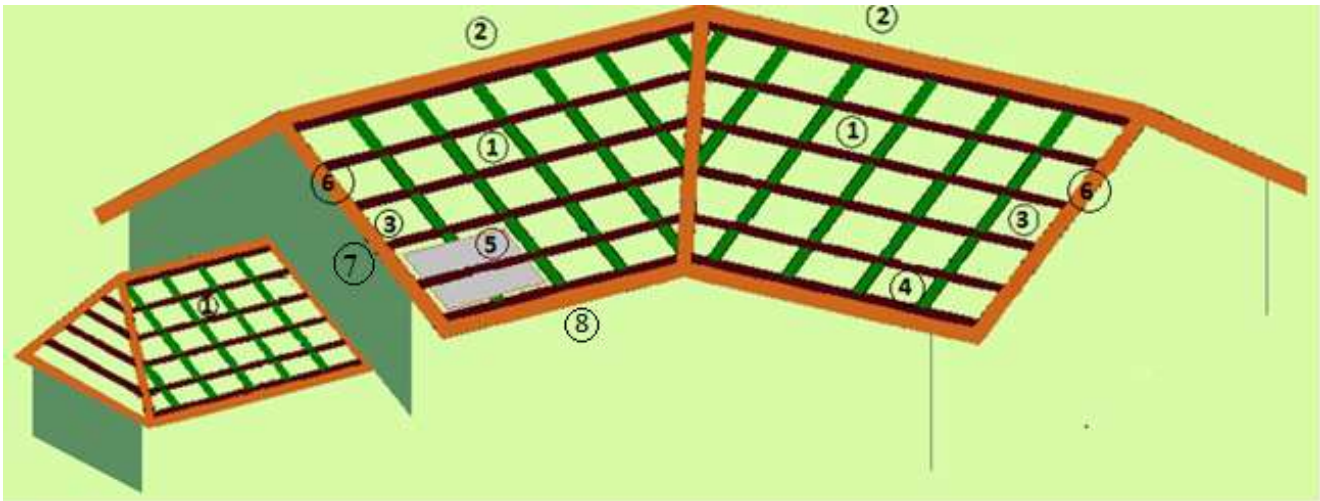


LAYING SPECIFICATION FOR HELA TILES

1. Roof Details



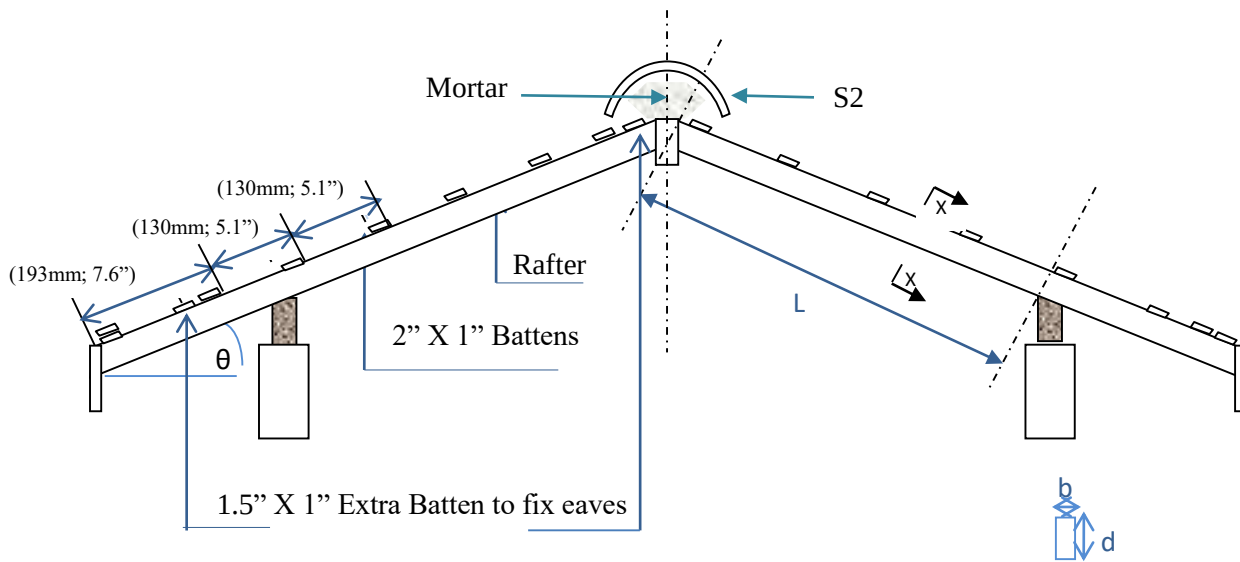
Hela Tile

Hela-Gable
Tile

Hela L Tile

Hela-Eave Tile

Structure and Specifications of the roof



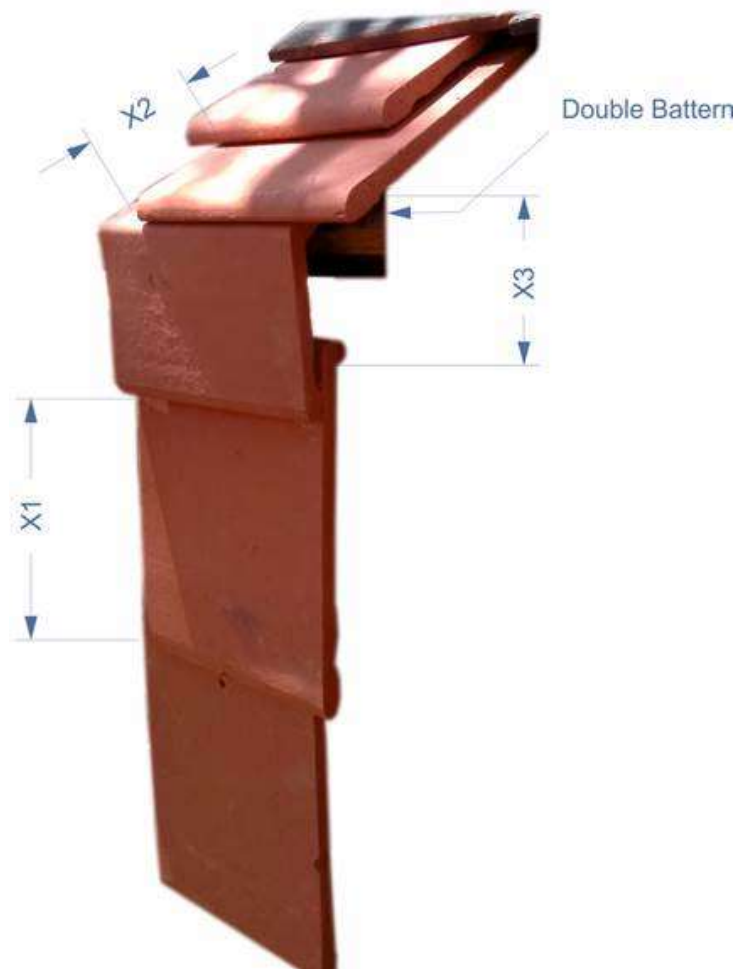
Minimum roof Angle (θ) = 30°

Section X- X

Rafter section (d X b)	4" X 2"	5" X 2"	6" X 2"
Roof angle(θ)	Rafter Span (L)		
30° Minimum	8'	8' to 10'	8' to 12'
30° and above	8'	8' to 10'	8' to 12'
Rafter Gap	18''	18''	18''

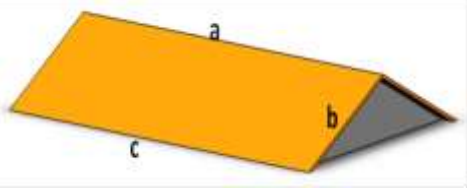
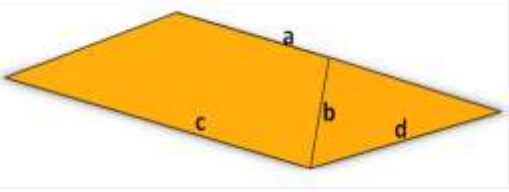
* If Span (L) exceeds 8'' for 4"x2" Rafters, use 8"x4" supporting rafter to hold the structure.

Structure and specifications of the roof with wall



X1 (Wall Batten gap)	130mm - 230 mm
X2 (Roof Batten Gap)	130 mm
X3	90mm – 105 mm
Roof Batten Size	1" X 2"
Wall Batten Size	1" X 2" / 1" X 1.5"

Coverage of the Roof

Tile Type	Coverage according to Roof Structure (Number of Tiles)	
		
Hela (100 Sq. Feet)	358	358
Hela – Eave	“2c” in feet / 0.65 feet or “2c” in mm / 200mm	“2c + 2d” in feet / 0.65 feet or “2c + 2d” in mm / 200mm
Hela – Gable	Number of Rows (b/Batten Gap)	N/A
Ridge	“a” in feet / 0.85 feet or “a” in mm / 260mm	“a+4b” in feet / 0.85 feet or “a+4b” in mm / 260mm
Hela L (Flashing tile)	Number of Rows X 2	N/A
Hela Valance	“2c” in feet / 0.5 feet or “2c” in mm / 152mm	“2c + 2d” in feet / 0.5 feet or “2c + 2d” in mm / 152mm

Coverage of the wall

Tile Type	Coverage	
Hela – Wall Eave (100 Sq. Feet)	358 (at 130mm batten gap)	311 (At 230mm batten Gap)

NOTE:

1. Underlayment is recommended for high wind & coastal regions.
2. Minimum roof angle (θ) is depending on location & wind speed.
3. The exposed tile surface shall be free of chippage or other imperfections when viewed from a distance 10m by an observer with normal vision as per ASTM: Designation C1167 – 11 standard specifications for clay roof tiles.

** Marking the nail hole is done only on a consumer request. Use standard Bronze screw type nail having maximum diameter of 3.5 mm & Length of 38 mm for nailing.

