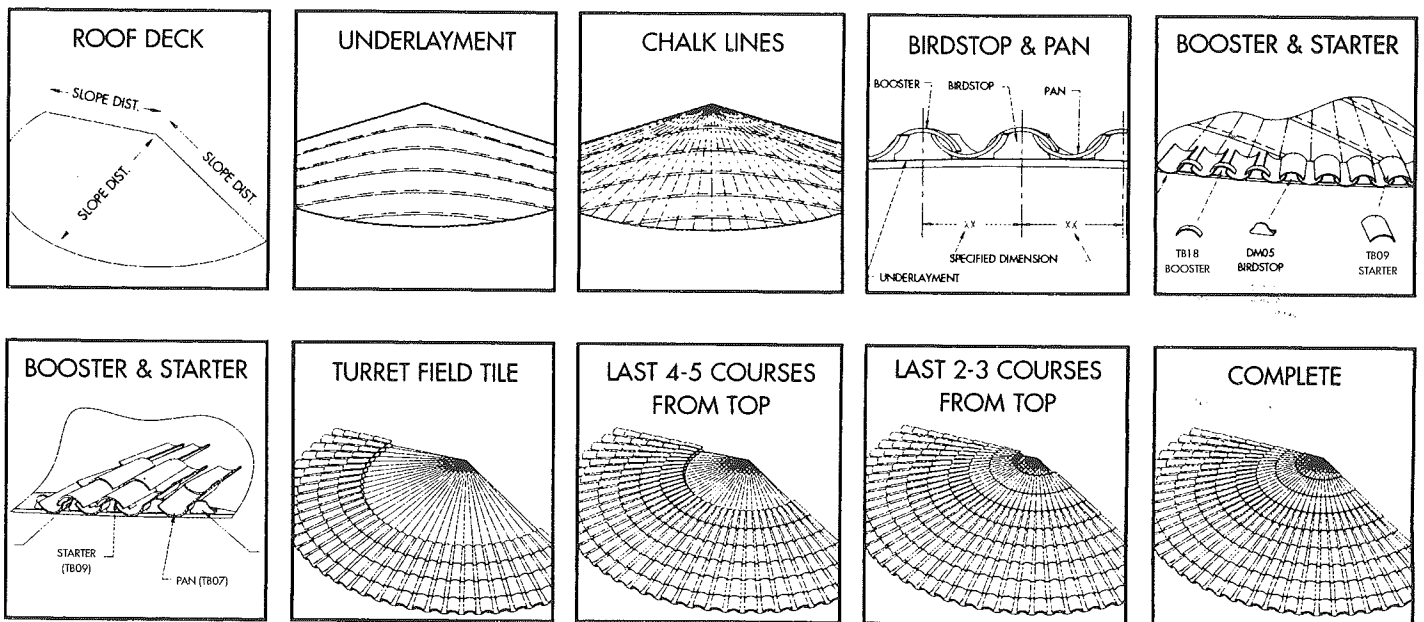


MCA[®]

Superior Clay Roof Tile

M.C.A. Turret Tile[®] Installation Guide



**Turret Technical Assistance Is Available
Please Call**

**(800) 736-6221 • Fax (951) 736-6052
1985 Sampson Avenue • Corona, California 92879
www.mca-tile.com**

Use this Guideline with the Turret Worksheet for each Turret Tile® Application

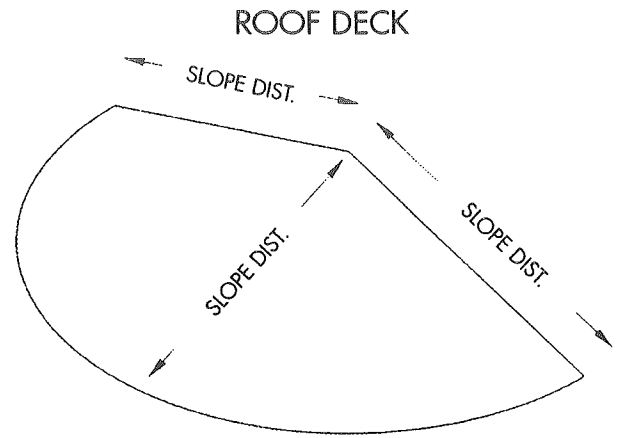
1) **Roof Deck:** Before beginning, check to ensure that the roof deck is built according to the blueprint. **It is very important to check the slope distance from the center of the turret roof to the eave with the blueprint and M.C.A. Turret take off.** If the roof deck was not built according to the blueprint, please do not install the turret tile. Please notify the General Contractor to make the necessary adjustments to modify the roof deck, according to the plans.

2) **Turret Tile® Installation Check:** Before installing tile, make sure to check all the sizes of tile and installation course guide. **The installer must be aware of each size of Turret Tile® and its placement.**

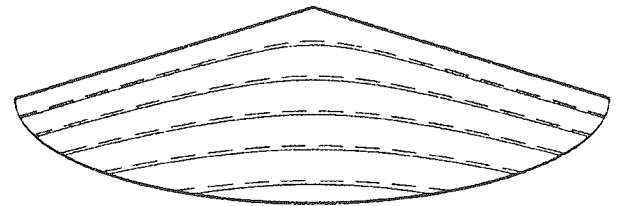
3) **Underlayment:** Turret Tile® is classified as an accessory tile for a decorative roof application. We strongly recommend the use of modified base sheet, equivalent or an upgraded material. **The Underlayment must fully protect against any water penetration.**

4) **Chalk Lines:** Preparation of chalk lines for installing Turret Tile® is essential. The installer must take the time to prepare chalk lines for each vertical course. **It is very important not to skip any vertical lines.** Pick the starting point for the first chalk line at the most visible section of the turret roof from the ground level. Make clear chalk lines on all eave, ridge or wall lines at the specified dimension on center around the circumference. If the circumference is not evenly divided by the specified dimension on center, the horizontal course can be adjusted at a section that is not visible from the ground level. Do not stretch or squeeze more than 1/4" on each section. Use enough horizontal courses to adjust evenly.

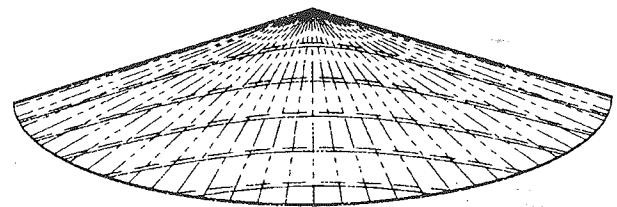
5) **Birdstop & Pans:** At the first course, between vertical chalk lines, install clay birdstop (if applicable) and the first course of pans, by laying the pan tile on top of the vertical chalk line. Fasten each pan tile with copper or other non-corrosive 11 gauge (minimum) large headed nail or use a wire system. If the job site is located in a high wind area, use mastic or other sealant to secure the pan tile.



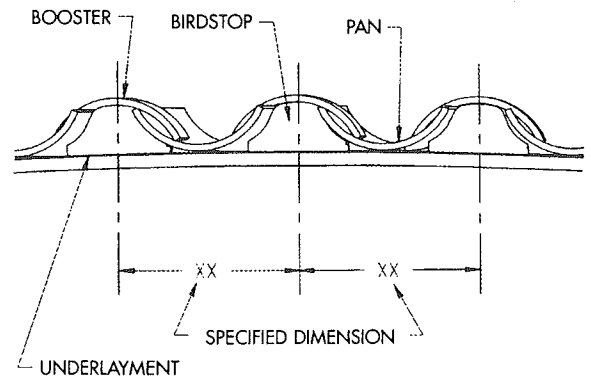
ROOF DECK



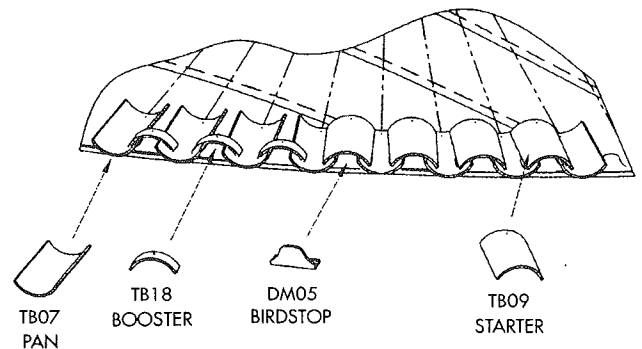
UNDERLAYMENT



CHALK LINES

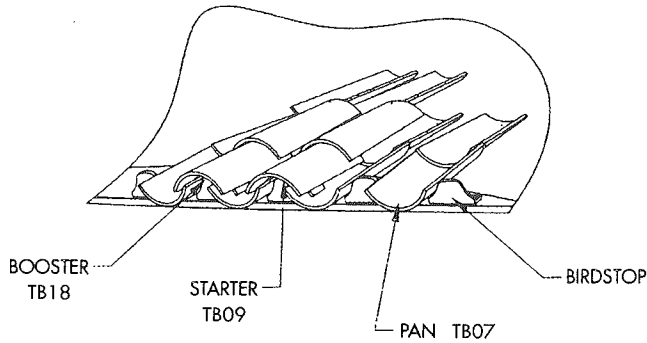


BIRDSTOP & PAN

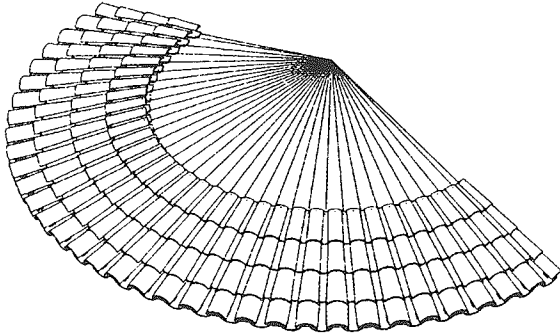


BOOSTER & STARTER

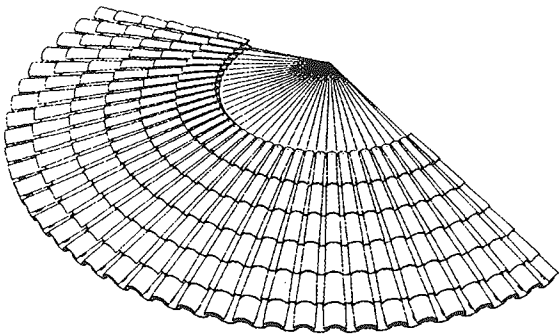
BOOSTER & STARTER



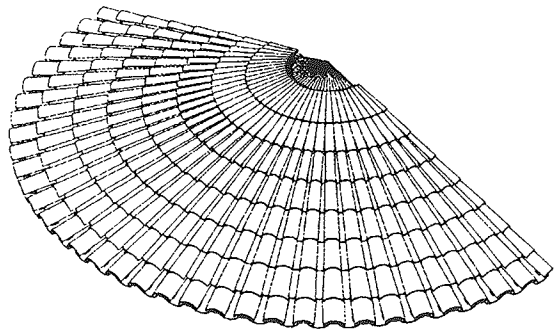
TURRET FIELD TILE



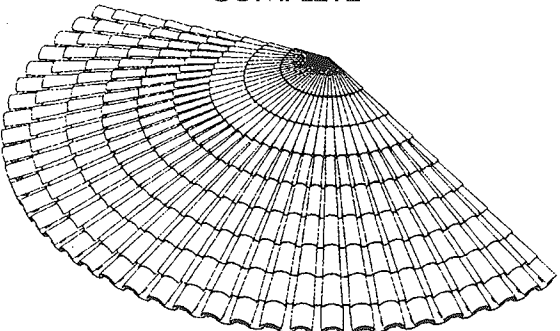
LAST 4-5 COURSES FROM TOP



LAST 2-3 COURSES FROM TOP



COMPLETE



6) **Booster & Starter:** Once the birdstop and pan tile are in place, install the booster and starter tile and secure them with copper wire or a non-corrosive nail. Again, if the job site is located in a high wind area, use a wind lock and mastic or other sealant to secure tile.

7) **Turret Field Tile:** For the rest of the courses, lay 16" to weather working toward to the top of the turret. It is very important to follow the chalk lines with the Turret Worksheet to determine what size tile to use on each course. Fasten each top and pan tile with copper or other non-corrosive 11 gauge (minimum) large headed nail or use a wire system. If the job site is located in a high wind area, use mastic or other sealant to secure the top and pan tile.

It is important to leave 2-3 vertical courses un-laid as a walking area until the turret can be completely finished. Then start installing from the top of the turret down to the eave line and secure each tile. Otherwise, the installer must walk on the small Turret Tile® which may damage the tile. This walking area should not be visible, if possible, from the ground level.

8) **Last 4-5 courses from top:** The last 4-5 courses demand special attention. It is important that installers use their judgment on the last 4-5 courses from the top (depending on the number of courses) to adjust the tile as it is being laid. Some tile may need to be nipped or cut to adjust to adjacent tile.

9) **Last 2-3 courses from top:** Depending on the number of roof courses, the last 2-3 courses will lose one or more lines close to the top of the roof. It is very important to lay a mock up of these courses. Do not use any adhesive (or nails) to secure the tiles until all pieces have been laid out. This is to ensure that each tile fits each course. After verifying this, secure each tile.

When installing the last 2-3 courses, some tops and pans may need to be adjusted for corrected fit of the radius of the turret. The D702 (smallest size) may need to be secured with roofing mastic due to tight fit. **Do not stain the exposed surface of the tile with the adhesive.**

10) **Periodic Inspection:** Periodically inspect, at ground level, for straight lines and even color blending.

DM05



BIRDSTOP

TB18



BOOSTER

TB09



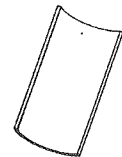
STARTER

TB02



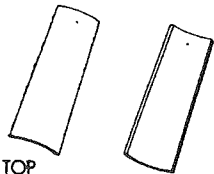
TOP

TB07



PAN

D302 - D307

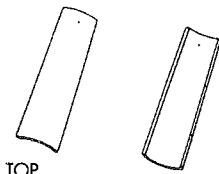


TOP

PAN

TURRET 3

D402 - D407

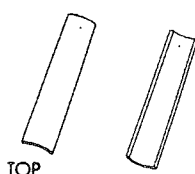


TOP

PAN

TURRET 4

D502 - D507

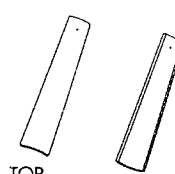


TOP

PAN

TURRET 5

D602 - D607

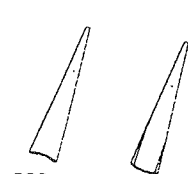


TOP

PAN

TURRET 6

D702 - D707



TOP

PAN

TURRET 7
(SPECIAL CUT)

Turret Tile® Specifications

Top Tile					Pan Tile				
Code	Description	Width	Length	Crown Height	Code	Description	Width	Length	Crown Height
TB18	Booster	7"	3"	2½"					
TB09	Starter	8"	16"	2¾"	TB07	Pan	8"	19"	2¾"
TB02	Top	8"	19"	3½"	TB07	Pan	8"	19"	2¾"
D302	Turret sz 3	7"	19"	2"	D307	Turret sz 3	7"	19"	2"
D402	Turret sz 4	6"	19"	2"	D407	Turret sz 4	6"	19"	2"
D502	Turret sz 5	5"	19"	1½"	D507	Turret sz 5	5"	19"	1½"
D602	Turret sz 6	4"	19"	1½"	D607	Turret sz 6	4"	19"	1½"
D702	Turret sz 7 (special cut)	Varies	Varies	Varies	D707	Turret sz 7 (special cut)	Varies	Varies	Varies

Note: All Measurements are +/- 1/2"

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