TEGOLA CANADESE

ITALIAN ROOFING DESIGN

MASTER J

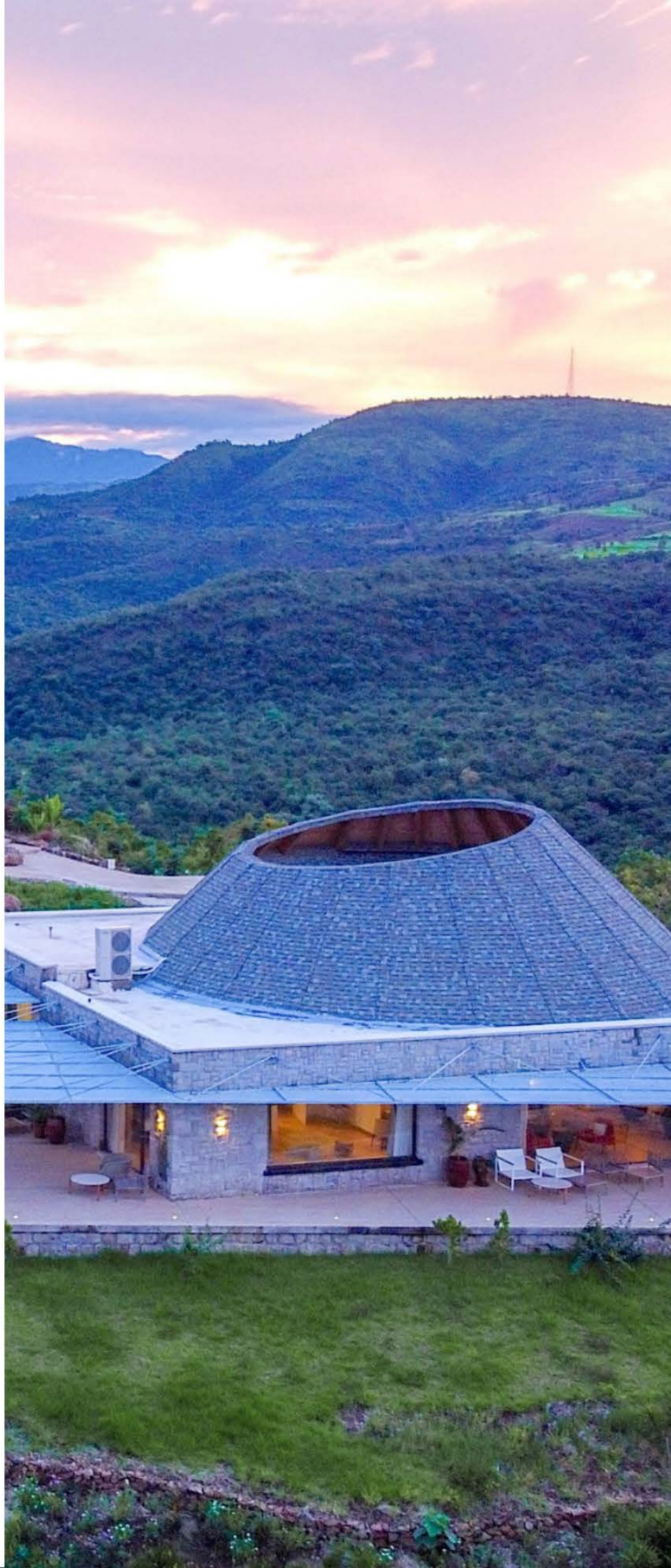
BUILT TO *RESIST*

DESIGNED FOR *LIFE*

MASTER J

In Master shingles coexist nature, as a source of inspiration, and industrial research, which guarantees high performance over time. Quality materials, overlapping layer combinations and specially designed shades of colour allow you to create roofs with a natural and striking appearance and perfect waterproofing.

- 5-YEARS TEGOLA MAX PROTECT PERIOD
- ALGAE RESISTANT
- 30 YEARS LIMITED WARRANTY
- INCLUDES UP TO 100KM/H LIMITED WIND WARRANTY



BUILT TO RESIST, DESIGNED FOR LIFE

DESIGN that is exclusive for any roof and context, thanks to the wide range of models and colours.

RESISTANCE to any extreme weather conditions, to hailstorm, to strong winds.

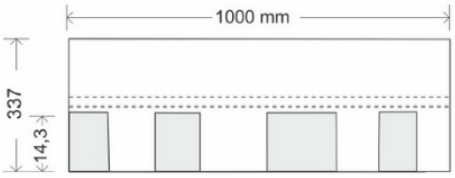
WATERPROOFING to ensure your roof's quality and durability over time.

SIMPLICITY adapts to any shape and slope of the roof, easy to transport and apply... even on the construction site.

LIGHTNESS above your head to ensure maximum safety, even in the case of earthquake.

PRODUCT SPECIFICATION

CE	CE
Reference Standard	EN 544
Weight (kg/m2)	11,70
Dimensions (cm)	99,8 x 33,7
Tiles per package (n°)	14
Surface per parcel (m2)	2,00
Surface coating	G Ceramic-coated basalt grit G-EVO
Set of the flaps	Self-adhesive band
Important	This product does not contain asbestons and tar



COMPANY CERTIFIED

BETTER ADHESION & HIGH ABRASION RESISTANCE

Better adhesion of the **G-EVO granules** to the bituminous layer.

High abrasion resistance: the results of the Brush Test carried out according to the strict ASTM D-4977/89 standard highlight important differences in the loss of granules between the bituminous shingles with G-EVO granules and those of the competitors.

1 IMPROVEMENTS ON MASTER SHINGLES

1. Increase of the overlap between band and fret from 2.5 to 5cm.
   a. Doubled the bonding surface;
   b. Use of self-adhesive compound that guarantees greater adhesion of the two layers
2. The area useful for nailing has been increased, now identified by the 2 white lines.
   a. Ease and speed of installation for the installer;
   b. Greater safety in bolting both layers
   c. Roof life guarantee

2 THE NEW "G-EVO" CERAMIC GRANULES

G-EVO is made by basalt granules, a radio opaque material, coloured with a process of ceramisation at high temperatures, the only that guarantees colour stability over time. The granules covering the asphalt shingle perform two essential functions: **Protection of the waterproofing layer** against the degrading action of UV rays and **providing aesthetic coloration**.

Performance:

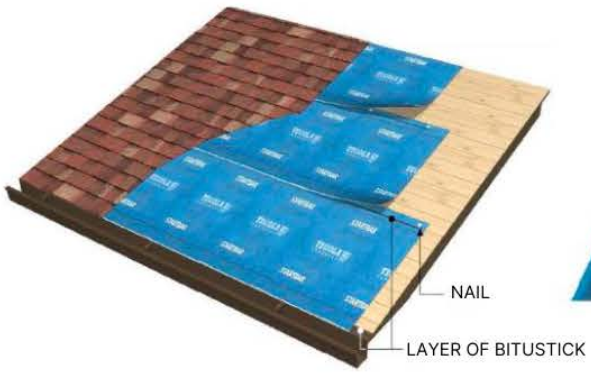
- **Improved adhesion** to the bituminous layer: Greater protection of the waterproofing layer from UV rays, giving the shingle a significantly higher life cycle than other products.
- **Super hydrophobicity** of the granule: Reduces the absorption of water by the granule, helping its running even in the presence of roofs with low slopes and therefore inhibiting the proliferation of microalgae and moulds that cause unsightly chromatic effects.

WIDE CHOICE OF COLOURS

ACCESSORIES

STARTBAR P

The evolution of the STARTBAR P membrane is a special coating of polypropylene fabric (TNT blue) that bestows non-slip properties to the membrane, thereby improving the walkability on the roof and increasing the safety of operators at the construction site. STARTBAR P has a polyester reinforcement with high tear resistance. STARTBAR P offers good waterproofing of the roof before the laying of shingles. It is applied parallel with the eaves and nailed down under the overlaps of the sheets. The upper sheet is then stuck down with a layer of BITUSTICK applied on the nailing line of the lower sheet.

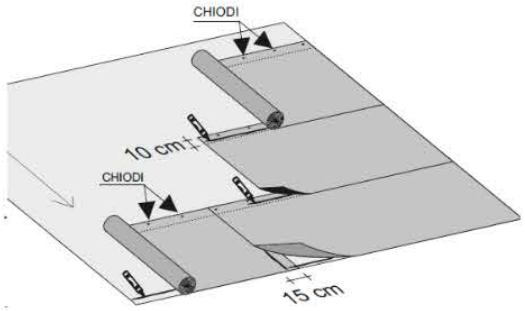


INSTALLATION PRINCIPLES

The easy and correct installation of asphalt shingles depends entirely on the roof deck being smooth, continuous, clean and dry.
The roof deck can be built with wood materials (12mm WBP plywood) properly supported.
Installation with a roof slope up to 85° is possible.

PRELIMINARY OPERATIONS

On wooden substrates it is good practice to apply a bituminous underlyaer membrane, also self-adhesive, such as "Startbar P" following the procedures described on the side. It is necesary to glue and fix with nails under the overlap of the sheets.



MARKING OUT THE ROOF

- Mark a line xy orthogonal to the direction of maximum slope of the roof (usually parallel to the eaves and to the gutter, and at 18-19.4cm from the gutter.
- Mark along the line xy a point A in the center of the pitch.
- Mark points B & C either side from A (for example at 150cm).
- Starting from B and C using a chalk line as compass, mark point D as near as possible to the ridge.
- Join A with D.
- Mark a line parallel to line AD at a distance of 16.5cm (z).
- Starting from the line xy, mark horizontal and parallel lines to the line xy, at a distance of 14.3cm.
- From each other up to the ridge. (Refer Fig.1).

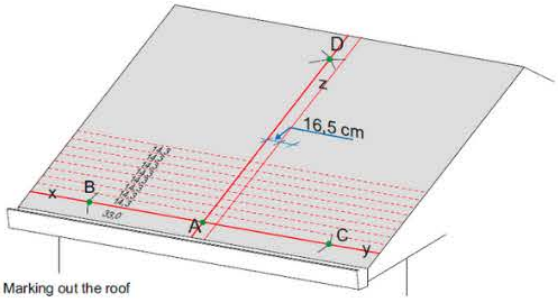


Fig. 1 - Marking out the roof

INSTALLATION

- Apply starter strip along the roof eaves (Refer Fig. 2).
- Install the first course of Master shingles from the line AD (Refer Fig.2).
- Install the second course of Master shingles from line z (Refer Fig. 3).
- Repeat this installation method until all pitched are completed.
- The trimming and aligning operations are simplified following the cuts on the upper edge of each bituminous shingle.

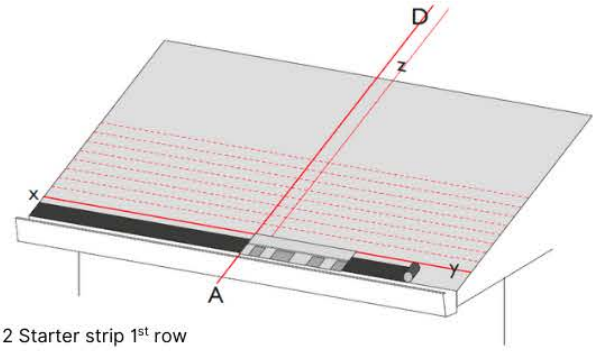


Fig. 2 Starter strip 1st row

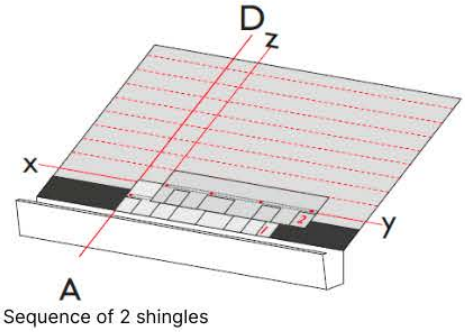


Fig. 3 Sequence of 2 shingles

FIXING WITH NAILS

- Using large headed roofing nails for the roof, zinc plated and galvanised, high adherence, with a length suitable to the thickness and type of roof deck.
- Apply 4 nails on each bituminous shingle, positioned exactly as shown in Fig. 4.
- Make sure that the nails anchor are positioned between 2 lines and also the underneath bituminous shingle.
- For slopes exceeding 160% (60 degree), apply 6 nails on each bituminous shingle and double the number of nails on the second and third position from the left as shown in Fig. 5.

Fig. 4

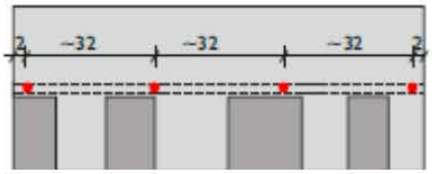
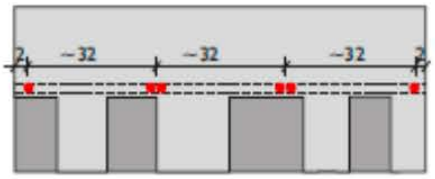


Fig. 5



RIDGES

- Install the last row of bituminous shingles up to the ridge line and then bend it over the exceeding part, in order to waterproof the ridge.
- To obtain the ridges, cut the bituminous shingles into 3 pieces (Fig. 7). Bend the piece of shingle and position them over the ridge line (see Fig. 8). If necessary heat them on the reverse, sanded side.
- Fix the ridges with 2 nails on each piece which will be overlapped by the following piece (Fig. 8). The exposure of the ridge is 14.5 cm.

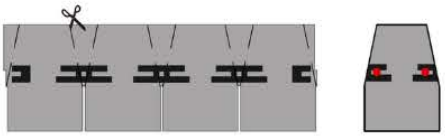


Fig. 7 Cutting of the ridges

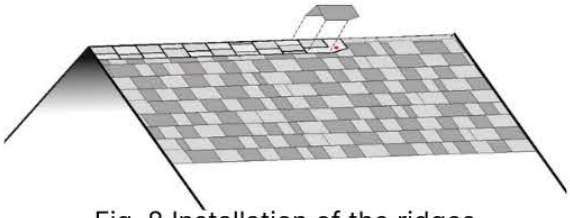
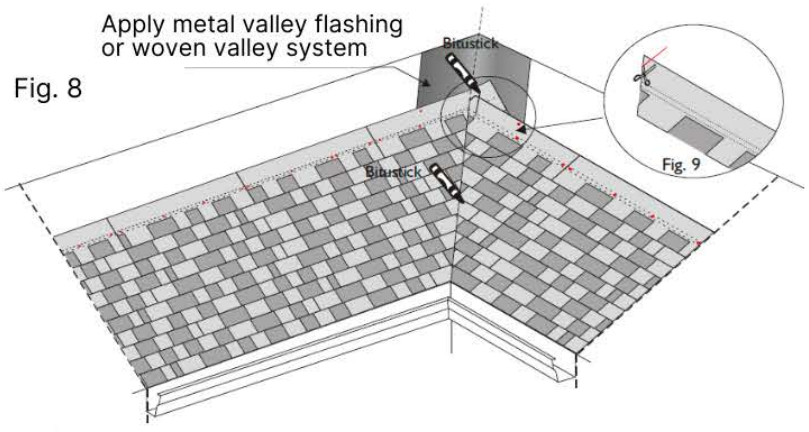


Fig. 8 Installation of the ridges

VALLEY

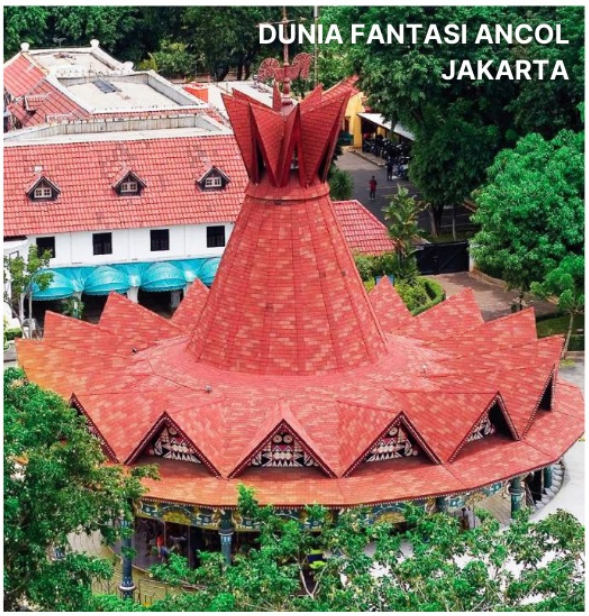
- **INSTALL FLASHING:** Corrosion-resistant flashing must be used to help prevent leaks where a roof meets a wall, another roof, a chimney or other objects that penetrate a roof. Flashing shall conform to the requirements of applicable building code and good roofing practice.
- **INSTALL OPEN METAL VALLEYS:** Metal valleys are recommended (Woven valley applications are acceptable). Complete valley flashing before shingles are applied. Center a minimum 24" wide, minimum 28 gauge pre-finished/galvanized metal valley liner in the valley, and fasten the edges with only enough nails to hold in place. Snap two chalk lines the full length of the valley, 6" apart at the top and increasing in width 1/8" per foot towards the bottom. When the shingles are being applied, lay them over the valley flashing, trim the ends to the chalk line, and cut a 2" triangle off the corner to direct water into the valley (A). Embed the valley end of each shingle into a 3" band of asphalt plastic cement (B). Do not place a nail in the shingle closer than 2" from the chalk line.

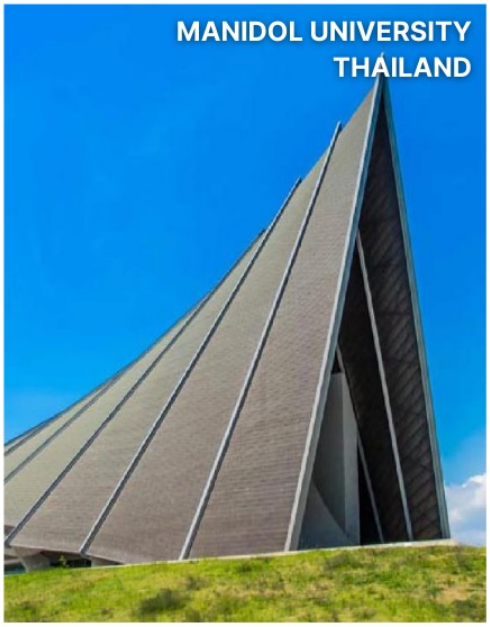
Fig. 8

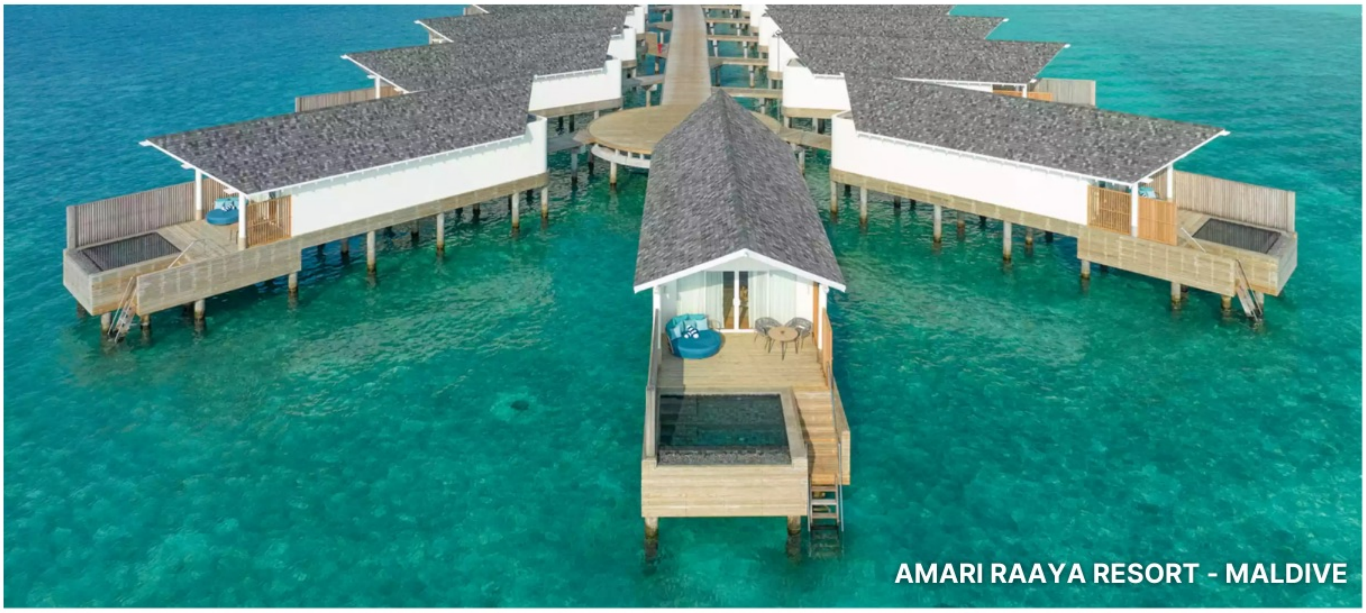


All the details (junctions, valleys, etc) can be carried out with flashing (metal sheets) or bituminous membrane, and everything will be simplified by using the product “Tegola Canadese”.

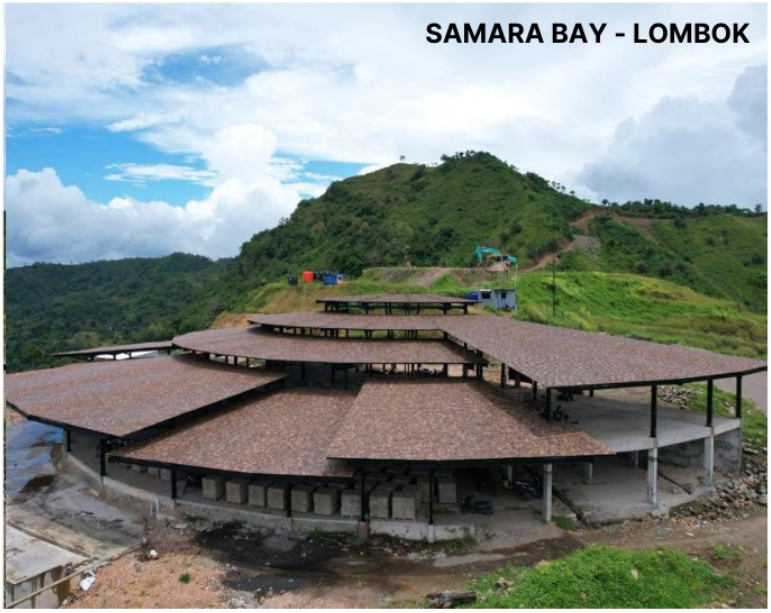
PROJECT REFERENCE





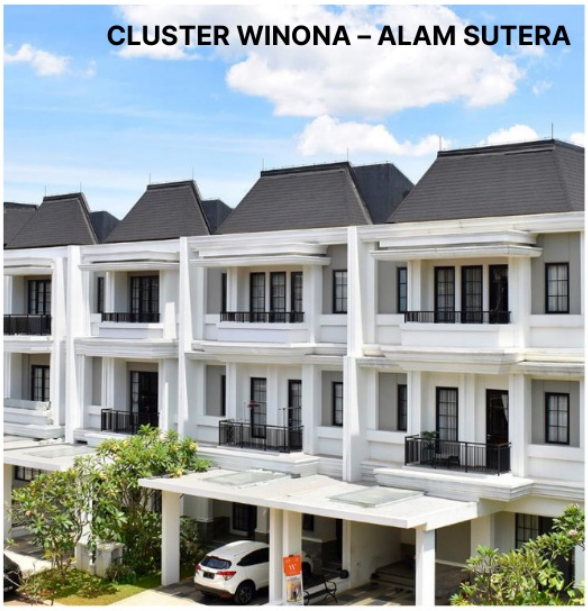



HOTEL KUTA BEACH
BALI


SAMARA BAY - LOMBOK


RESORT VANA NAVA - THAILAND

TALAGA SAMPIREUN - JAKARTA


CLUSTER WINONA – ALAM SUTERA


BULGARIA

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