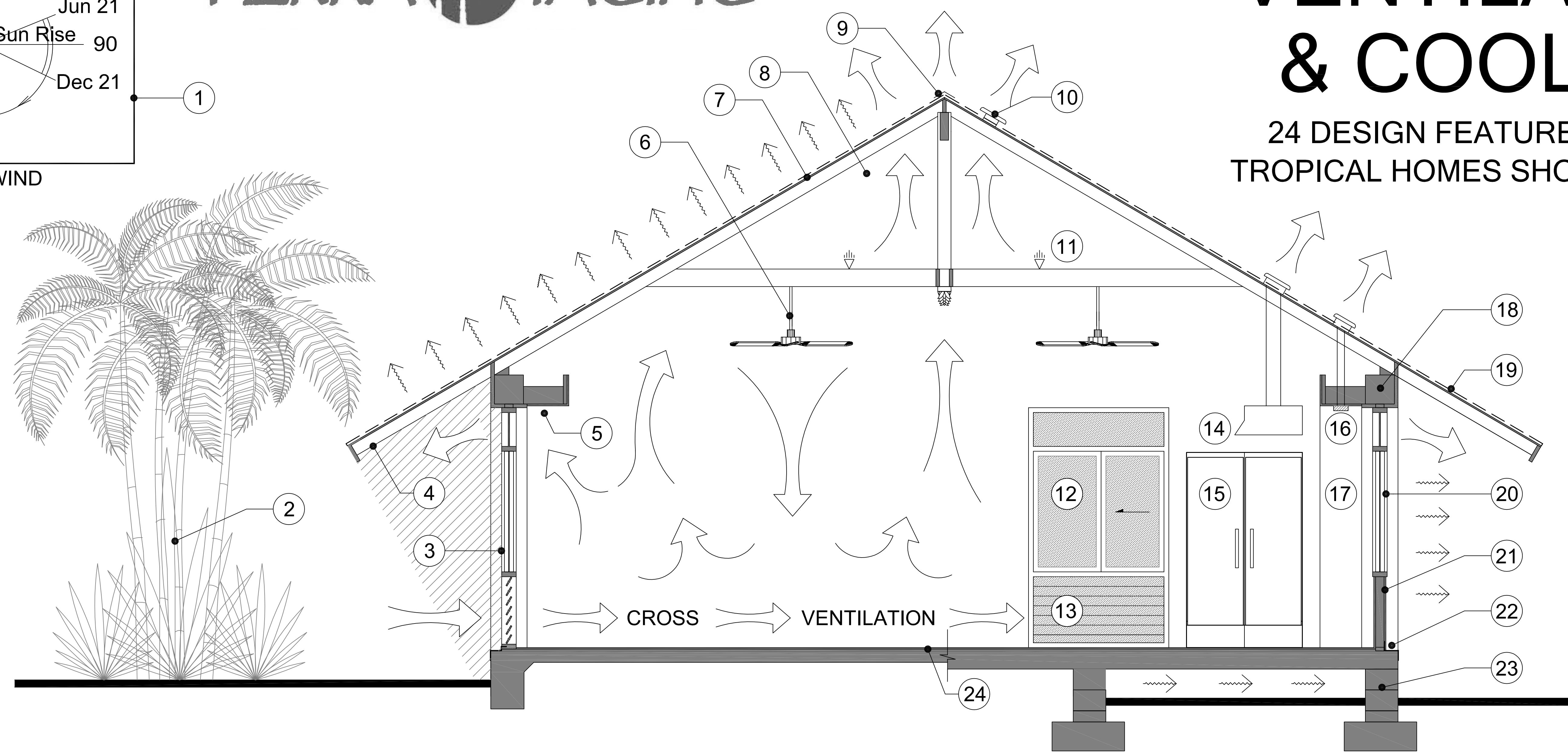


VENTILATION & COOLING

24 DESIGN FEATURES THAT ALL TROPICAL HOMES SHOULD EMPLOY



KEY CODE:

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| <ul style="list-style-type: none"> ① ORIENT THE HOUSE FOR SUN & WIND TO MAXIMIZE VENTILATION & COOLING ② LANDSCAPING TO SHADE BOTH ROOF AND EXTERIOR WALLS ③ REFLECTIVE BARRIERS ON WALLS TO MINIMIZE EFFECT OF SOLAR RADIATION ④ WIDE EAVES & LOW WALLS TO MAXIMIZE NATURAL SHADING EFFECT OF ROOF ⑤ INTERIOR SOFFITS DEFLECT RISING HOT AIR OUT TRANSOM WINDOWS ⑥ ENERGY STAR (5-STAR RATED) CEILING FANS PROVIDE AIR CIRCULATION ⑦ REFLECTIVE BARRIER ON ROOF TO MINIMIZE EFFECT OF SOLAR RADIATION ⑧ HIGH PITCHED ROOF TO DRAW HOT AIR UP AND AWAY FROM INHABITANTS ⑨ RIDGE VENTING TO DRAW HOT AIR UP AND OUT OF THE HOME ⑩ HIGH C.F.M. SOLAR POWERED ROOF VENTS TO FORCE HOT AIR OUT EFFICIENTLY ⑪ L.E.D. BULBS FOR LOW HEAT TRANSMISSION FROM LIGHTING FIXTURES ⑫ ABUNDANT OPENING TRANSOMS AND WINDOWS TO MAXIMIZE VENTILATION | <ul style="list-style-type: none"> ⑬ JALOUSIE WINDOWS TO MAXIMIZE CROSS-FLOW VENTILATION AND HELP FORCE HOT AIR UP ⑭ HIGH C.F.M. RANGE HOOD BLOWER REMOVES HOT AIR FROM KITCHEN ⑮ ENERGY STAR APPLIANCES, PUMPS, AND EQUIPMENT GENERATE LESS HEAT ⑯ BATHROOM FANS WITH HUMIDISTAT SENSORS REMOVE WARM, MOIST AIR ⑰ VENTED CLOSETS WITH CLOSET HEATERS REMOVE WARM, MOIST AIR ⑱ CONCRETE'S THERMAL MASS HELPS COOL THE HOME ⑲ ROOF SHINGLES WITH HIGH S.R.I. VALUE TO MINIMIZE EFFECT OF SOLAR RADIATION ⑳ WALL FINISH WITH HIGH S.R.I. VALUE TO MINIMIZE EFFECT OF SOLAR RADIATION ㉑ WINDOWS AND DOORS WITH LOW-E GLASS TO MINIMIZE EFFECT OF SOLAR RADIATION ㉒ WATERPROOFING AND VAPOR BARRIER TO PREVENT WATER & MOIST AIR FROM ENTERING THE HOME ㉓ POST & PIER FOUNDATIONS PROVIDE SUFFICIENT AIR FLOW UNDER THE HOME ㉔ CONCRETE FOUNDATION SEALED TO PREVENT MOISTURE FROM ENTERING THE HOME |
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