



MCGAREY RESIDENCE **11632 N MILLER ROAD** **SCOTTSDALE**
 FROM SCOTTSDALE ROAD—EAST ON CACTUS TO NORTH MILLER ROAD—GO SOUTH ON N MILLER ROAD
 TO HOME

FEATURES:

- ⇒ PASSIVE SOLAR DESIGN—SITED WITH PROPER ORIENTATION AND SPATIAL ELONGATION OF THE EAST / WEST AXIS
- ⇒ OPEN FLOOR PLAN WITH LESS QUANTITY / MORE QUALITY APPROACH
- ⇒ NORTH COOL SUMMER COURT / SOUTH WARM WINTER COURT—TO OPTIMIZE RESPONSE TO THE DESERT'S VARYING CLIMATE
- ⇒ DEEP OVERHANGS ON THE SUMMER WEST AND EAST SIDES DIRECTS SUMMER HEAT GAIN SUN AND GROUND RERADIATION THE INCORPORATION OF AN OPEN CARPORT WITH ATTACHED LANDSCAPING ON THE WEST AND LANDSCAPING TO EAST PROVIDE SREQUIRED VERTICAL SUMMER SUN MITIGATION ON THE WEST AND THE EAST FACADES.
- ⇒ CROSS VENTILATION
- ⇒ SPECIAL THERMAL MASS CONCRETE BLOCK, INTEGRA MASONRY, WITH INTEGRAL INSULATION ISOLATES THIS INTERIOR MASS FROM INTRUSION OF UNWANTED EXTERNAL HEAT AND COLD.
- ⇒ THE MASONRY AS WELL AS THE FRAME STAIRWELL IS INSULATED WITH AIR-CRETE NON-POLLUTING SYSTEM OF INSULATION
- ⇒ MORTAR WASH AND NON-TOXIC PAINT PROVIDE THE INTERIOR WALL FINISHES ALLOWING FOR THE NATURAL PATTERN OF MASONRY STRUCK HORIZONTAL JOINTS TO BE SHOWN.
- ⇒ PELLA THERMAL PANE WINDOWS WITH INTEGRAL BLINDS
- ⇒ KALWALL SUNLIGHT PANELS OF UV INHIBITING PLASTIC WITH INTEGRAL FIBERGLASS INSULATION
- ⇒ SPECIAL ENERGY EFFICIENT GLAZING
- ⇒ THERMAL VOLUME DESIGN INCORPORATED WITH A VENTING AND DAYLIGHTING CORE
- ⇒ ENVIRONMENTALLY BENEFICIAL AIR ENTRAINED CONCRETE INSULATION IN FRAME WALLS
- ⇒ ABUNDANT NATURAL DAYLIGHTING
- ⇒ PRE-PLUMBING AND WIRING FOR FUTURE ADDITION OF SOLAR HOT WATER AND PHOTOVOLTAIC SYSTEMS TO FACILITATE CURRENT USE AS A RESIDENCE & FUTURE ADAPTIVE USE
- ⇒ BUILDING FUNCTIONS AT A REDUCED ENERGY LEVEL OF 70-75%