

# ROOFING

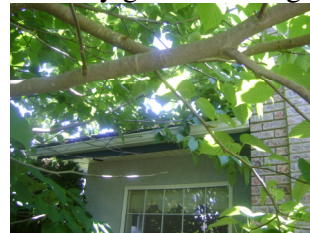
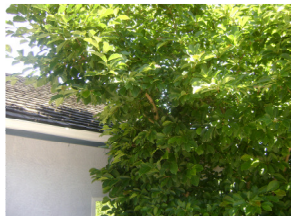
## ROOF COVERING

- Type: Roof covered with thick-wooden- shingles.
- Condition:
  - 1- The same age as the house, installed over lumber.
  - 2- Some shingles are curled, cupped, and split.
  - 3- Some of the shingles have not been installed with appropriate gaps.
  - 4- Some were loose and popped up.
  - 5- No sign of leakage were observed at the time of inspection.
- *Recommendations:*
  - 1- Repair the shingles with the mentioned deficiencies.
  - 2- Install metal flashing under the popped up shingles.
  - 3- Trim trees in the east and west side and keep them away from roof covering to prevent any rodent and animals activity in the attic & roof, and also to prevent damage to the roof covering.



## GUTTERS

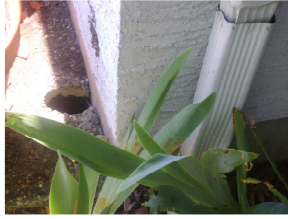
- Condition: No sign of leakage or over flow were observed.
- *Recommendation:*
  - 1- Keep the gutters clean and free from debris for their proper operation.
  - 2- Trim the trees which are over the gutters to prevent any gutter blockage.



## DOWNSPOUTS

- Condition:
  - 1- The downspout in the west side was not connected to the drain tile, and discharged water close to the house.
  - 2- The downspout located at the north-east corner was not connected to the drain-tile and could not discharge water away from the house, due to its connection with the smashed and blocked pipe.





- *Recommendation:* Extend the downspout to at least 6 feet from the house, or connect it to the drain-tile in order to prevent water penetration and damage to the house (*refer to the Exterior section for more detail*).

## **FLASHINGS**

- *Recommendation:* Install chimney saddle to prevent any ice damming and water penetration underneath the roof covering.



## **SKYLIGHTS**

- Condition: No sign of leakage was observed at the time of inspection.
- *Recommendation:*
  1. Monitor the skylight connection with the roof covering, due to their nature.
  2. Keep all around its glass sealed.

## **CHIMNEYS**

- *Recommendation:* Install chimney saddle as mentioned in the flashing section.

## **ROOF PENETRATIONS**

- Condition: No recommendation, except the one mentioned for the chimney