

Santa Barbara City Fire Department - Standard Operating Procedures <b>Training Operations</b>	Code: <b>T-V-4</b>
<b>14', 16', 20' Roof Ladders</b>	
Chpt: V Ladders	Revised: 3/28/13 Pages: 4

## **I. PURPOSE**

A. 14', 16' and 20' Roof Ladder: (Used: independently as a straight ladder; in conjunction with another ladder to reach a higher location; upon a roof for support and/or safety.)

## **II. PROCEDURE**

A. To remove from apparatus:

1. Examine method used to secure ladder on apparatus. (Varies with each type of apparatus)
2. Determine how extension ladder is secured after roof ladder is removed.
3. Locate balance point (Painted mark on beams near center of the length of the ladder).
4. Release retaining device while supporting ladder in stored position with other hand. Some ladders are free to fall off when both retainers are released.
5. Grasp upper beam at balance point with left hand.
6. Grasp lower beam at balance point with right hand.
7. Remove ladder from apparatus and place on right shoulder. (This is the normal carrying position.)

B. Flat raise from rest position: (used where there is little or no overhang)

1. Stand alongside ladder at balance point facing head of ladder with inside foot to the rear.
2. Grasp inside beam with inside hand and bring to park position.
3. Raise ladder upward while pivoting body toward ladder 180 degrees and grasp lower beam with other hand.
4. Continue turning and raising, placing ladder on shoulder.
5. As objective is approached with ladder in normal carrying position, raise ladder over head to position where rungs are parallel to ground.

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6. Bend wrists forward and down to lower foot of ladder to ground at the building.
7. Raise ladder by sliding hands along beams to the vertical position against building.
8. Position yourself with: right foot between beams on the ground, left foot about 2 ½' straight away from the building, right hand on 2nd rung, left hand on 5th rung.
9. Lift ladder and raise right foot and move them straight away from building to correct spot.
10. Ground ladder with beams straddling the right foot.
11. To adjust ladder position:
  - a) Step to side of ladder facing same.
  - b) Grasp 2nd rung from foot of ladder and the beam about shoulder high.
  - c) Lift ladder while keeping back straight and move to desired position.

### C. RESTORE:

1. Position self with: right foot between beams, left foot half the distance to the building, right hand on the 2nd rung, left hand on the 5th rung.
2. Lift ladder and raise right foot and move them forward to the building.
3. While maintaining ladder footing against the building, pull beams toward you allowing hands to slide along beams to balance points.
4. Grasp beams at balance points and bring ladder to horizontal position over your head.
5. Bring to normal carrying position.
6. Carry to objective.
7. With inside foot to rear, pivot toward ladder and lower to ground with top hand. (Keep back straight)
8. Bring ladder to rest position.

D. 14' and 16' Roof Ladder Beam Raise: (used where there is an overhang etc.) 20' Roof Ladder will not be Beam Raised.

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1. Stand alongside ladder at balance point facing the head of the ladder. Inside foot to the rear.
2. Grasp inside beam with inside hand and bring to the park position.
3. Raise ladder from ground, keeping back straight and pivot 180 degrees toward the ladder. Grasp the lower beam with the free hand.
4. Continue to raise and pivot and place the ladder upon shoulder.
5. Carry toward objective.
6. Move upper hand forward as far as possible.
7. Pull down with the upper hand while pushing up with the lower hand in one continuous motion. Continue until ladder is in vertical position.
8. Pivot ladder on one beam so that it is flat to the building.
9. With hands firmly on beams move to the front of the ladder and foot the ladder by placing one foot on bottom rung.
10. Lower ladder into objective.
11. To adjust footing position:
  - a) Step to side of ladder facing same.
  - b) Grasp 2nd rung from foot of ladder and the beam about shoulder high.
  - c) Lift ladder and move to desired position.

### E. RESTORE:

1. Place foot on bottom rung while facing ladder and grasp both beams.
2. Check overhead and behind you.
3. Pull ladder toward you and step backwards and bring ladder to vertical position.
4. Move to side of ladder. Check behind you and step back.
5. Allow hands to slide along beams to balance points.
6. Grasp beams at balance point and lift to shoulder carrying position.
7. Carry to objective.

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8. Stop and with inside foot to the rear lower the ladder and pivot 180 degrees toward the ladder. Continue lowering ladder to the ground, keeping back straight.
9. Bring to the rest position by lowering with inside hand and stepping away from the ladder.

F. To use the hooks of the roof ladder:

1. With the foot of both beams resting on the ground; the head of the ladder is held at waist level with hand nearest foot of ladder grasping the end rung.
2. Reach across the ladder with the free hand and grasp the far hook near the center of the arc.
3. Push the hook toward the foot of the ladder sharply and turn the hook.
4. (Be sure it locks in the open position).
5. Repeat the procedure with the remaining hook.
6. The ladder when carried, is positioned so the hooks are away from the body.
7. To restore the hooks, reverse the procedure closing the near hook first.