

LADDER PAD REQUIREMENTS

This information package shall be used in conjunction with the California Building Code, Section 1031, *Emergency Escape and Rescue*, and other applicable design standards as adopted by the City of Mountain View. This information package is not intended for use as a stand-alone document.

ADMINISTRATIVE:

Where Emergency Escape and Rescue openings are required by the California Building Code, ladder pads shall be provided for firefighter use for rescue openings located on the 2nd and 3rd stories above grade plane. Ladder pads shall be designed and spaced in accordance with the Technical Criteria section.

TECHNICAL CRITERIA

- Design pad width: Minimum of 3 ft, centered on window
- Design pad length: Based on ladder at optimum 75 degrees (4:1 slope) for 2nd and 3rd stories
 - For 2nd Story: Measure at optimum angle to window sill*
 - For 3rd Story: Measure at optimum angle to window sill plus 2 ft (above sill)*
 - Note*: If balconies are present, measure to the top of the balcony guardrails
 - Add 3 ft to pad length for access clear area (add to pad on side furthest from building)
 - Add 6 inches to pad length so ladder feet are not on pad edge (add to pad on side closest to building)
- Pads shall be constructed of an approved all-weather material. Acceptable materials include hardscaped surfaces or decomposed granite (DG)
- Eliminate awnings or other similar architectural features that could obstruct access
- Provide means to get ladder into all pad areas (35 ft, 3 section ladder - assume 12 ft length undeployed)
- Proposed ladder pad locations shall be shown on the submitted building permit plan set on its own dedicated sheet. Provide a ladder pad detail for each differing pad, including an elevation detail showing all applicable vertical and horizontal distances/lengths and the calculated pad dimensions. Label each pad with its associated pad detail. Ensure the proposed ladder pad locations are coordinated with the landscaping plan sheets. See example provided on next page for relevant information to include.

EXAMPLE LADDER PAD PLAN SUBMITTAL SHEET - INFORMATION TO SHOW

