



## How to Measure Projection/Swing Clearance

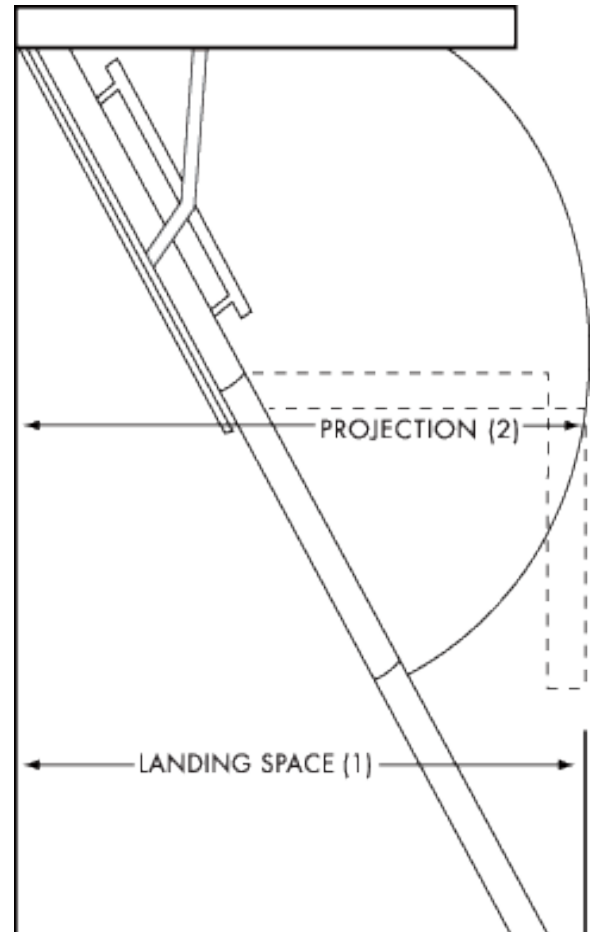
The projection and or swing clearance is the amount of clearance needed to open a stairway which is determined by the arc of the stairway as it swings open. Looking at the diagram (Figure 1) the components involved are the upper section being in the down position, the length of the center section, and the thickness of the leg of the lower section. This is the bare minimum required for a stairway to open. The more room you have the better and the easier it will be to open.

### Follow the steps below:

1. Take a plum-bob and drop it from the area where the piano hinge of the stair will be located down to the floor level.
2. Take a tape measure and measure the length from the area where the plum-bob hits the floor toward where the stair will open up. If any obstacles are encountered before you reach the minimum safe opening distance the stairway **WILL NOT** open properly.
3. If you are trying to open a stairway thru an existing opening such as a hallway or door way keep in mind that the area above the door facing could present a problem. In order to assure that the

**stairway will open properly you should always consider the minimum projection needed in order for the stairway to open properly.**

4. The projection required will never change regardless of actual floor to ceiling distance.



**Figure 1** \*\*Picture may not depict actual stairway\*\*

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