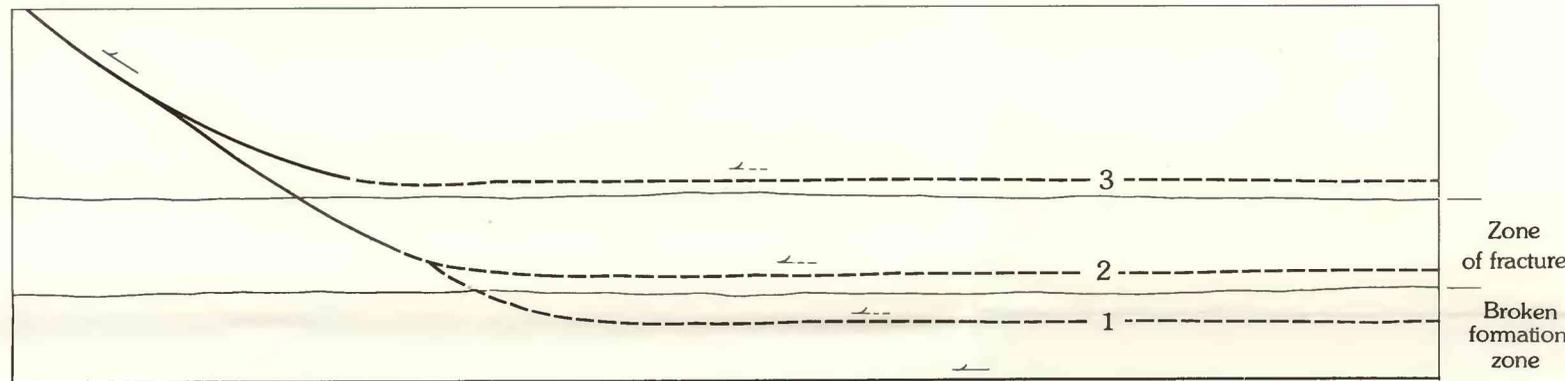


CLASSIFICATION OF FAULTS  
(Arrows show relative movement)

- Splay
- Antithetic Splay
- Detachment
- Gravity Normal
- Shear and Rotational Normal

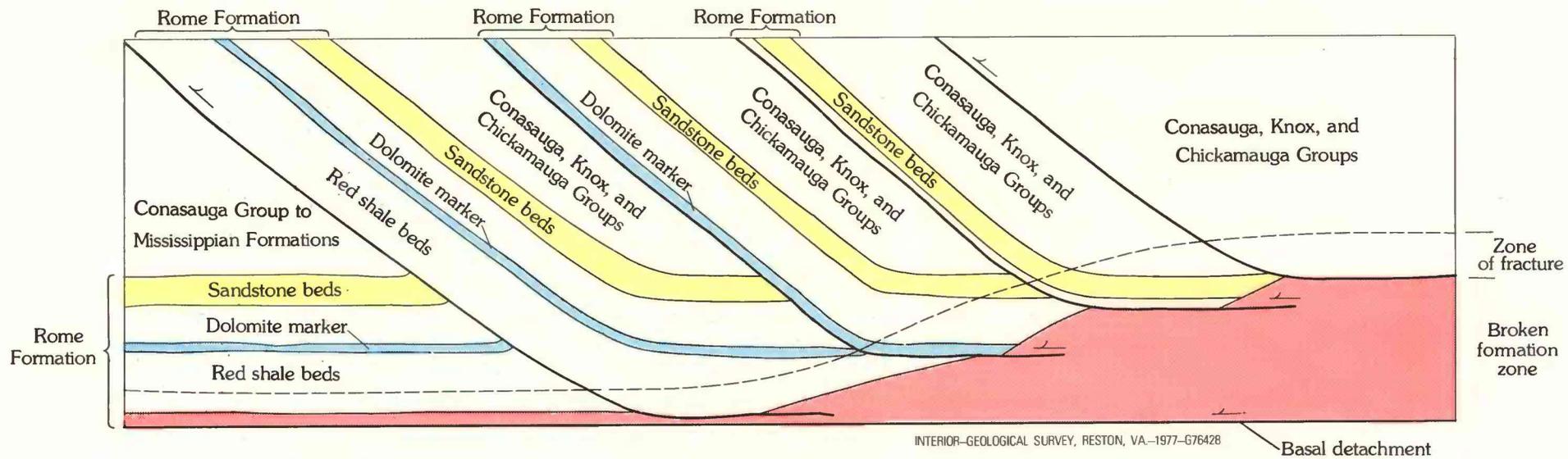
A, Generalized diagram of tectonic zonation within a décollement zone

Major Tectonic Ramp



Basal detachment

B, Rarely in the Valley and Ridge is the complete zonation shown in diagram A exposed. Instead secondary detachments 1, 2, 3 commonly form, either within or more commonly above the broken formation zone. Movement on any one of these secondary detachments abandons parts of the décollement zone in the subsurface



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Basal detachment

C, Abandoning parts of the décollement zone results in a progressive west-to-east subtraction of material from the base of the Rome Formation, so that the stratigraphic position of the detachment fault migrates vertically

DIAGRAMS SHOWING THE ANATOMY OF A DÉCOLLEMENT ZONE  
IN THE SOUTHERN APPALACHIANS