LITHOTECTONIC UNIT	LITHOSTRATIGRAPHY	MECHANICAL ROLE
4	Ouachita-Alleghanian synorogenic clastic wedge and equivalent foreland facies PENNSYLVANIAN Pottsville Fm. (sandstone-mudstone-coal) MISSISSIPPIAN clastic-wedge facies on southwest Parkwood Fm. (sandstone-mudstone) Floyd Shale foreland facies on northeast Bangor Limestone Hartselle Sandstone Pride Mountain Fm. (mudstone-sandstone)	passive translation above stiff layer; local upper level detachments
3	discontinuous variable shallow-marine facies, internal unconformities MISSISSIPPIAN Tuscumbia Limestone Fort Payne Chert DEVONIAN Chattanooga Shale Frog Mountain Sandstone SILURIAN Red Mountain Fm. (sandstone-mudstone-hematite) MIDDLE AND UPPER ORDOVICIAN distal facies of Taconic clastic wedge on east Sequatchie Fm. (mudstone) Colvin Mountain Sandstone Greensport Fm. (mudstone) Athens Shale Lenoir--Little Oak Limestone foreland facies on west Chickamauga Limestone	passive translation above stiff layer; local upper-level detachment (e.g., Coosa deformed belt)
2	passive-margin carbonate shelf UPPER CAMBRIAN--LOWER ORDOVICIAN Knox Group (dolostone-limestone-chert)	regional stiff layer
1	synrift facies, Birmingham graben (Ouachita rift) LOWER AND MIDDLE CAMBRIAN Conasauga Fm. (shale-limestone-dolostone) Rome Fm. (shale-sandstone-limestone)	regional basal decollement; mushwad
	early postrift facies, Blue Ridge rift LOWER CAMBRIAN Shady Dolomite Chilhowee Group (sandstone)	regional basal decollement in some thrust sheets southeast of Helena thrust sheet
	crystalline basement rocks PRECAMBRIAN	

(Reference 245)

FIGURE 2.5-207
Stratigraphic Column in the Appalachian Thrust Belt in Alabama