

## SITE

Providence Hill Farm

## SITE LOCATION

Flora, Mississippi

## VISTA® PRODUCTS USED

Ultima V14

Luminance V28

# Window Film Makes Horse Sense



Providence Hill Farm is Mississippi's newest and finest equestrian facility, providing boarding, training and lessons for hunter and jumper riders as well as comfortable stalls for the horses.

Set in the middle of large acreage sits "Horse Barns", a magnificent 30,000 square foot building to accommodate residences for horse trainers and staff, together with 36 contemporary horse stalls. Two luxurious three-bedroom apartments are an integral part of an architectural design that places them above the horse stalls and provides each with spacious living area that opens up to majestic views of rolling meadows.

Architect Sam Coker is the creative genius behind the imaginative design. Sam's concept followed extensive research of Kentucky "Blue Grass" horse barns and responded to the owners' desire to build the very best in riding stables.

The front of the structure is defined by large gabled 25-foot high multi-paned floor to ceiling windows that are at once a blessing and a curse: -- the southern views are heavenly but the sun's heat, glare and ultraviolet radiation make it impossible to enjoy the daytime sunlight. Similar glass windows are at the rear of the house. How to enjoy the views in comfort with the interiors protected from damaging UV rays was the challenge. The answer was the tactical use of solar control window film.

On the south side, the area Vista® dealer professionally installed dual reflective Ultima V14. Dual reflectance is the characteristic of a window film whose inside and outside surfaces have different visible light reflectance values. The V14 film is designed so that it is more reflective (shiny) to the exterior (to improve solar heat rejection) and less reflective to the interior (to reduce interior reflection of artificial lighting at night). Vista® Ultima reduced solar heat gain by 75%, cut sun glare by

# preservation



87%. On the North side of the house, where the sun was less of a problem, Vista® Luminance V28 was installed to reduce solar heat gain by 61% and glare by 70%.

Both films virtually stop all (99.9%) of damaging ultraviolet rays at the outer glass surface. Ultraviolet light and heat are almost entirely responsible for the deterioration and fading of furnishings, carpets, wood surfaces, and art.

In addition to the heat and glare reduction and ultraviolet protection, the installed films provide the benefit of lower utility costs for air conditioning in the summer and home heat in the winter. All creatures, human or equine, coexist comfortably at the magnificent "Horse Barn".

