

# Additions and Renovations to Baldwin County Satellite Courthouse

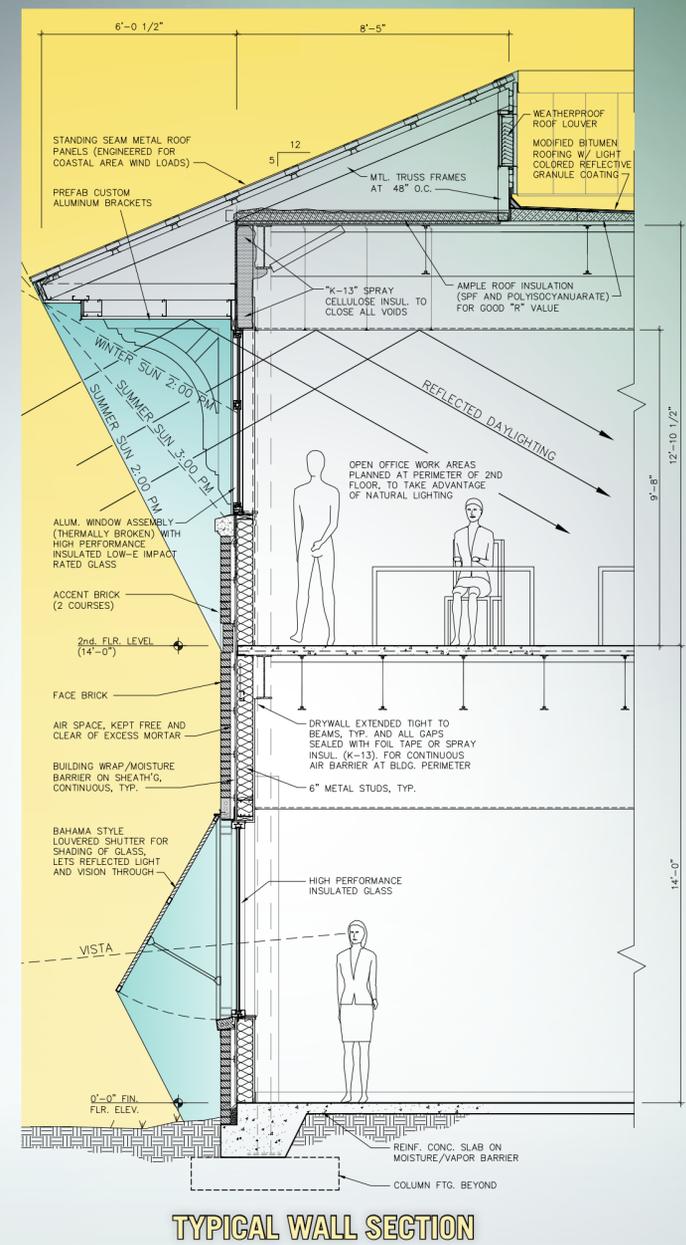
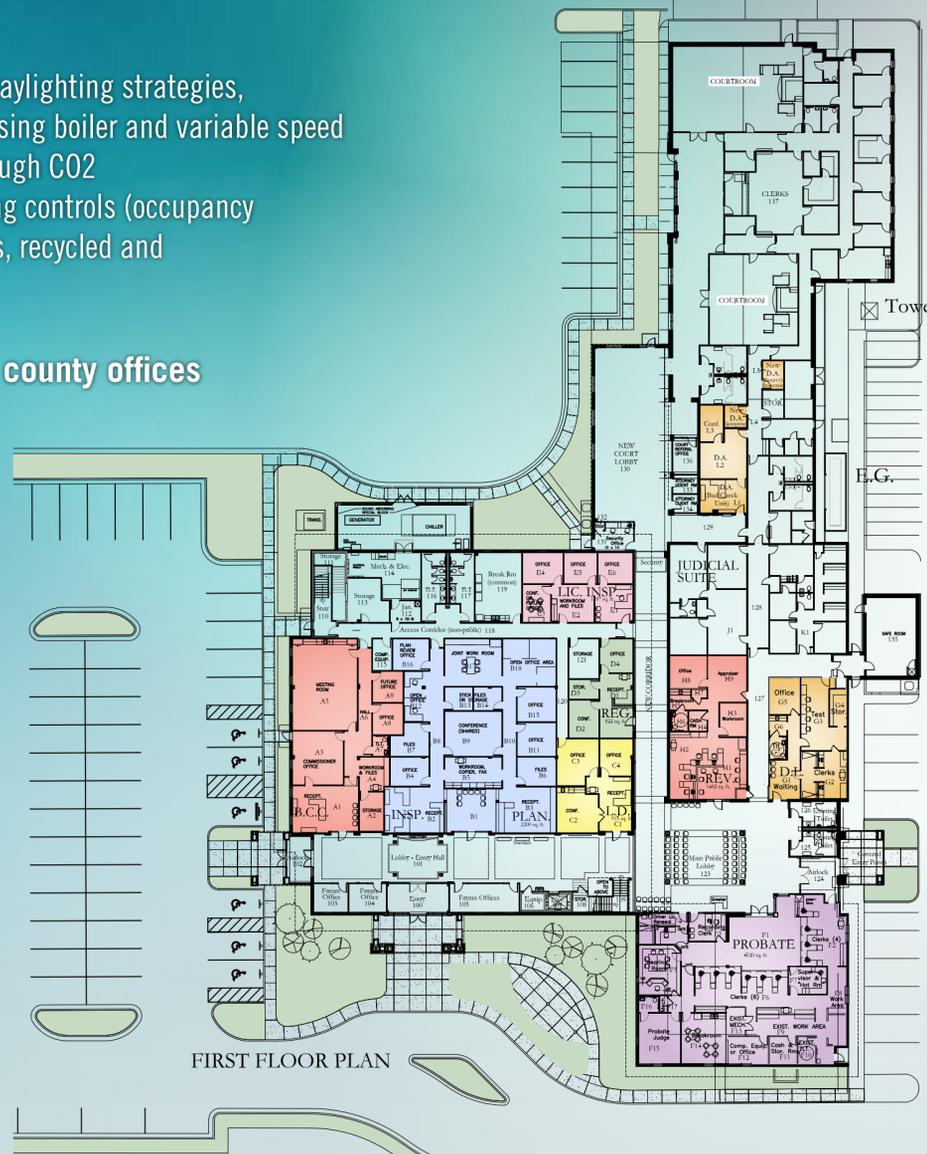
Fairhope, Alabama

## Key Design Characteristics

- **Sustainable design elements:** passive solar shading and high performance glass, daylighting strategies, HVAC equipment design using high efficiency condensing boiler and variable speed pumping/fans, reduced outside air requirements through CO2 monitoring, efficient lighting design and energy saving controls (occupancy sensors), water saving plumbing fixtures and controls, recycled and natural materials use, reflective roof surfaces
- **Energy cost:** \$1.80 per sq. ft. / year
- **Building/Space type:** Courthouse with related county offices
- **Area:** 38,758 square feet (new addition)

## Energy Star Results

- **Energy use intensity:** 198 kBtu/sf/yr
- **CO2 Reduction:** 30%
- **ENERGY STAR rating:** 78
- **Energy Savings:** 3,300,000 kBtu/yr
- **Co2 savings:** 195 tons/yr



### Background & Narrative

The Baldwin County Commission, after developing initiatives for "Green" future buildings asked Hatch Mott MacDonald for the new Fairhope project to be designed with energy efficiency as a priority and to recommend a logical rating system. The ENERGY STAR program abilities, through its Portfolio Manager, Target Finder, and other areas of its website, allowed comparisons for energy use. Hatch Mott MacDonald is a North American consulting firm touching many areas of everyday life, including architecture, transportation, water, wastewater, and environment. We subscribe to the following definition of Sustainability – "Meeting the needs of the present without compromising the ability of future generations to meet their own needs" (Brundtland, 1987). HMM is committed to sustainability through energy efficiency in the built environment, as demonstrated by numerous example projects.



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