



Expanded Shale, Clay and Slate Institute
Rotary Kiln Structural Lightweight Aggregate

Palomar Medical –West Main Hospital Building (Escondido, CA)



OWNER	Palomar Pomerado Health	ARCHITECT	CO Architects
GENERAL CONTRACTOR	Morley Construction Co. Santa Monica, CA	STRUCTURAL	KPFF San Diego, CA
READY MIX SUPPLIER	Hanson Aggregates - West San Diego, CA	PROJECT LOCATION	Escondido, CA
PROJECT SIZE	725,000 sq. ft.	COMPLETION DATE	2011

This 11-story “State-of-the-Art Hospital” was built on 37 acres in the Escondido Research and Technology Center in California. This \$774 million hospital is the largest hospital built in the State of California currently. Lightweight concrete made with Utelite lightweight aggregates will be an important component in the elevated floor slabs supported on metal decking and steel beams. Lightweight concrete on metal decking is one of the most common uses for Utelite Lightweight Aggregate. The benefits include reduced footing and foundation work, reduced dead loads to the steel structure and improved fire ratings.

PROJECT REQUIREMENTS

- ✘ 3000 psi Structural Lightweight Concrete
- ✘ 110 +/- 3 lbs. @ 28-days
- ✘ 6% +/- 1.5 Air Entrainment
- ✘ 2-Hr. UL Fire Rating