

Project: Palomar Medical Center
Escondido, CA

Architect: CO Architects
Los Angeles, CA

Products: C/S RS-8400, RS-5700 Storm Resistant Louvers
1302, 2252 Thinline Louvers

As one of the country's largest hospital construction projects and the first new North County hospital in 30 years, the 56-acre campus has already captured the attention of healthcare professionals worldwide for its use of nature, light and space — all designed to speed healing.

Finished in August of 2012, Palomar Medical Center West (PMC) is a Pebble Project, a collaborative research effort between Center for Health Design (CHD) and select health-care providers. The goal is to improve health-care by using evidence-based design. This improvement focuses on patient care, environmental performance and operational efficiency. The CHD is so impressed with the success of PMC they acknowledged it as the first Fable Hospital, an ideal health-care facility. Some unique evidence-based design implementations are the blending of gardens, trees and courtyards with the patient and staff areas within the hospital, and integrating daylight into



even the deepest parts by the use of skylights, light wells and atria. PMC is one of just two hospitals in the United States that bring natural light into operating rooms. It was planned before the LEED® for Healthcare (LEED-HC) standard was

approved and was designed to the Green Guide for Health Care standards, which has further developed into the now approved LEED-HC. The hospital was designed for simple adaptation of future space remodeling and technology needs over the next few decades.

Creating a high-performance healing environment meant selecting known healthy building products. Construction Specialties (C/S) products were



At a Glance

- C/S Storm Resistant Louvers*, tested and certified by AMCA and tested to BSRIA standards
- C/S Thinline Louvers
- Wall protection in Cradle to Cradle CertifiedCM Gold & Silver Acrovyn 4000
- Cradle to Cradle CertifiedCM Silver C/S Pedimat® and Pedi-Tred® LP entrance grids
- Cradle to Cradle Certified™ Silver*

*Clear anodized and C/S Powder Coat Finishes



<http://www.csgroup.com/louvers>
800.631.7379

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chosen by CO Architects and integrated into the facility because of the products' high material health standards and ingredient transparency, which ensured designers and healthcare officials that selected products had eliminated chemicals of concern. C/S products included were architectural louvers, entrance flooring, rigid sheet, crash rails, corner guards and handrails.

CO Architects selected C/S Storm Resistant Louvers to address tight space considerations. While Storm Resistant Louvers are superior in protecting interiors from wind-driven rain, they are also helpful when use of a plenum is impractical because of cost or space limitations. These Cradle to Cradle Certified CM Silver models are tested and certified by AMCA, as well as tested in accordance to BSRIA standards. Thinline Louver models were chosen to offset the high free area and low-pressure drop requirements of the air conditioning units.



Also on the project C/S Cradle to Cradle Certified CM Gold or Silver Acrovyn® 4000 wall protection. Acrovyn® 4000 stands up to the daily abuse in the facility while also providing a variety of color and material combinations to offer design flexibility. C/S Entrance Flooring Pedimat® and PediTred® LP make a stunning first impression on incoming visitors while also reducing slip/fall accidents. Both of these Cradle to Cradle Certified CM Silver flooring systems can improve indoor air quality by stopping 98.6% of dirt and water at the door and be retrofitted into existing carpet or tile. Furthermore, PediTred® LP has a smooth rolling surface and can withstand a 750 pound-per-wheel rolling load.

PMC is the first hospital in the world to use a wireless wrist band called ViSi Mobile®. The device transmits patients' vital signs directly into the hospital's electronic records. The immediate recording of patient data removes the chance of human error during manual documentation. The hospital also developed an application that helps Physicians and Nurses directly communicate important patient information. Another futuristic technology is the hospital's use of a robot that in only ten minutes using xenon light can completely sterilize operating and patient rooms. In recognition Top Master's In Healthcare named the cutting-edge facility one of the top technologically advanced hospitals in the world.