

Achieving Success with High Performance Walls

PROJECT DETAILS

PROJECT NAME	Delmar Station
LOCATION	Rocklin, CA
CLIMATE ZONE	12
CONSTRUCTION	
COMMENCEMENT	2015
LOTS COMPLETED	15

PROJECT TEAM

BUILDER	Taylor Morrison
MANUFACTURER	Johns Manville
HERS RATER	DuctTesters, Inc.
ENERGY CONSULTANT	DuctTesters, Inc.

PROGRAM SUMMARY

The California investor owned utilities developed the CAHP Master Builder program to support measures in the 2016 California building code, Title 24—specifically high performance attics and high performance walls—before code took effect on January 1, 2017. Participating builders could adopt either or both of the measures, and received intensive, one-on-one technical support throughout the duration of their projects. This included regular check-in meetings with all project team members (e.g., builder, installer, energy consultant, site superintendent, and implementer), coordination with the Workforce Instruction for Standards in Efficiency, and program-facilitated design charrettes. The program also conducted site visits and coordination meetings with projects to share high performance measure installation approaches with building officials. The program also had a monitoring component to assess moistures and humidity and inform measure adoption practices.

PROJECT SUMMARY

Located in California's climate zone 12, Parklands South/Del Mar Station features homes with high performance walls. The wall assembly in these homes features 2x6 framing, 16" on center stud spacing, R-21 cavity insulation, and R-4 exterior insulation (1" thick) for a U-factor of 0.051. Taylor Morrison installed Johns Manville fiberglass batts in the cavity. As part of the CAHP Master Builder initiative, Taylor Morrison adopted the high-performance wall assembly prior to the implementation of the 2016 building energy code. In a continued commitment to energy efficiency, Taylor Morrison successfully incorporated high performance walls into homes at Delmar Station. Coupled with other energy savings measures, the 2x6 walls have created a more efficient and comfortable home for residents.

