CASE STUDY

The Unico System®

Custom Home Installation • Bakersfield, CA
RESIDENTIAL APPLICATION

# The Unico System Offers Comfort, Night And Day, To Custom Home

SELECTED FOR ITS STATE-OF-THE-ART PERFORMANCE

## THE JOB SITE:

### Custom Home In Bakersfield, California

*This luxury home in Bakersfield, CA features traditional French architecture and a state-of-the-art Unico System to cope with the extremes of the California desert.*

In the desert communities of central California, the days can be extremely hot and the nights noticeably cool. In an upscale neighborhood in Bakersfield, new construction for a custom-built home was underway. To compensate for the extreme temperatures, the heating and cooling systems would need to be state-of-the-art, offer efficiency and not detract from the appeal of the luxury home.

## THE CHALLENGE:

### How To Provide Adequate Airflow Throughout The Massive Home and Maintain Aesthetic Appeal?

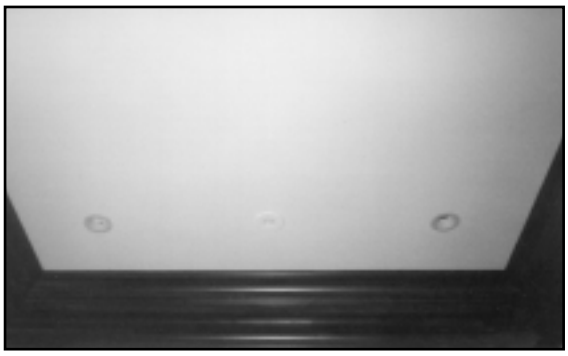
Prior to installing a heating and cooling system, Star Temp HVAC/R performed a complete Heat Load/Loss Calculation and duct design. Based on the results, Star Temp recommended that the new system be designed with two zones to increase efficiency. One zone for the kitchen and living room areas would operate during the day, the other zone for the bedrooms would run at night. Posing a challenge in the design of the system, the bedrooms in the massive single-story 5,400-square-foot structure were not grouped together. Because of the “U” shape of the bedrooms' locations, the system would require very long duct runs. In addition to operating efficiency and state-of-the-art comfort, a main concern for the homeowners was maintaining the aesthetic appeal of the French architecture. Registers used with conventional systems were considered unsightly.

## THE SOLUTION:

## The Unico System Makes Night and Day Difference

> "The Unico System provided us with everything we were looking for in a system without compromise."
>
> *Gabriel Cioffi, Star Temp*

While Gabriel Cioffi, owner of Star Temp, had never used the Unico System, he knew the challenges of the job could not be met by a conventional system. The Unico System's flexible mini-ducts made the long runs to the bedroom locations easy to install and provided adequate airflow to serve the remote locations. Fifty 5" diameter round outlets were installed in the home's ceilings, providing a superior solution to maintaining the French architecture of the interiors. Night and day, the state-of-the-art performance of the Unico System made all the difference in providing superb comfort to this custom home installation.



*The owners chose the Unico System in part to preserve the interior aesthetics such as the oak crown molding above.*

## Equipment Used:

(2) 5-ton Unico System Straight Cooling Units, CosmosGas Water Heater with Unico Hot Water Coils, (2) Honeywell Electric Water Valves, (2) Honeywell Digital Programmable Thermostats, (2) York 12 S.E.E.R Stellar Condensing Units

*For information about this case study, please contact:*

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The Unico System®

*Letting Better Comfort Fit In®*

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