



EFCO CHOSEN FOR SAFETY & EFFICIENCY

Silverado Canyon, California

1 Minute Read Time

EFCO PROVIDES WHOLE SOLUTION

EFCO partnered with **HBA, Incorporated** for the successful completion of St. Michael's Abby Bell Tower located in Silverado Canyon, California. This US\$120M project includes a church, convent, monastery, burial chapel and bell tower. Several EFCO systems were engineered to not only increase productivity, safety and efficiency, but also provide the best value and lowest in-place concrete costs for the project.

EFCO systems used:

- **E-BEAM® & SUPER STUD®** Wall Gangs
- **GUIDED RAIL SYSTEM®**
- Flipper Lock Platforms
- Manual Retractable Corners

FORMWORK EASILY RECONFIGURED

The 108' (33 m) tall bell tower was completed in six lifts of approximately 18' (5.5 m) each. The HBA/EFCO team faced a unique challenge of needing a formwork solution that formed a pilaster in one of the corners for the first two lifts only. The forms were designed in a windmill configuration that enabled the exterior formwork to be easily adjusted after the first two lifts as the concrete dimensions changed.

SAFETY SOLUTION

Later in production, EFCO was able to provide six foot tall exterior scaffold posts to support contractor supplied netting, ensuring contractor safety. On the inside gangs, the Flipper Deck system was raised with the interior formwork keeping the interior of the tower completely decked off at all times. Plywood-faced E-BEAM & SUPER STUD formwork was desired so window block outs and reveals could be easily attached. EFCO's Retractable Combination Bias Corners were used on the interior to enable the forms to be easily stripped manually without ever coming apart. ◊

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What we liked about working with EFCO was they provided a turn-key formwork system. The bell tower had changed dimensions as the tower went up, including a pilaster in one of the exterior corners for the first two lifts. After the first two lifts, the pilaster went away and the E-BEAM & SUPER STUD panels easily adjusted to form these changing shapes. We also were impressed with how plumb, square and straight the system remained.

Daniel Jimenez
Project Manager

EFCO EQUIPMENT

E-BEAM & SUPER STUD, Guided Rail System

HBA TEAM

Elias Aguayo General Foreman
Gerry Pyle..... CEO
Daniel Jimenez..... Project Manager

EFCO FORMWORK SPECIALISTS-LOS ANGELES

Cody O'Neil EFCO Sr. Territory Manager
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Kyle Hamilton EFCO Engineer

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