

PROJECT PROFILE

CELLULAR TOWER AND STEEPLE
HIGHLAND UNITED METHODIST CHURCH
RALEIGH, NC

When a major cellular carrier needed a tower camouflaged, this church steeple provided the perfect solution.

Fiberglass Specialties was chosen to custom fabricate a new steeple to replace the existing metal one. Working closely with the client's architects and engineers, FSI recreated the look of the old spire while enlarging it to accept the antennae.

The structural core of the steeple is triangular in shape for direct mounting of the antennae, and the outer shell is of FRP and other composite materials which do not interfere with the RF signal.

The result is a win-win situation for the cellular carrier, the church, and the community.

Local Representative:
CFBS, Inc. Anderson, SC



Before

**antenna
inside!**



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"Manufacturers of Quality Architectural Fiberglass Products"

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Left: The base section was engineered with a built-in triangular rack for placement of the antennae. This also served as the structural framework of the steeple, as no steel could be used outside the antenna area.



Right: The chevron pattern of the original was replicated in the composite shell of the cupola. The dimensions were increased to allow for the antenna tower.



Left: Up close, the components are much larger than they appear fifty feet in the air!

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