

STRUCTURAL REPAIR: COMPOSITE STRENGTHENING

Project: Casino
Location: LA
System: SikaTop 123+ / MonoTop 611
Sika Wrap 103 C
SikaTop Seal 107
Hex 3-R Fire Lam
Area: 1,520 SF
Completed: 2004



When forms were stripped from the 30' wide by 24' long by 12" thick shear wall at the new 206 room hotel addition to a major Casino, large areas of honeycombing were exposed along with areas of insufficient cover on the reinforcing steel.

Mobile Enterprises, Inc., working with Lochsa Engineering and YWS Architects, designed a structural repair consisting of: Removal of all unsound concrete and restoring with Sika 123+ or Sika Monotop 611. Installing SikaTop Seal 107 at 80 mils to equal 6" of concrete cover, installing a "U" wrap of SikaWrap Hex 103 C around the ends of the shear wall and installing Hex 3-R Fire Lam 505 and 506 to provide a 4 hour fire rating.

All work was monitored by Fugro Engineering and approved with no exceptions.

