

HONORABLE MENTION

THE SHERWOOD RESIDENCE

Drakeley Pool Company - Shotcrete Contractor

THE SHERWOOD RESIDENCE- GREENWICH, CT

The shotcrete segment of this project was one week's worth of shotcrete into the pre-existing formed and steeled caging for three interconnecting water-in-transit pools. Although the shotcrete took five days to complete, there are no cold joints and all interconnecting pools are monolithic and watertight. There is no expansion joint or bonding agent used between concrete connections. There are expansion materials between the acrylic and the shot rebate. All next day shooting and connecting joints were prepped to an SSD condition with a three-dimensional bond plane.

Total yardage - 210 yards

Mix Design was as follows:

Cement (ASTM C150 Type I/II) - 750 lbs.
Fly Ash (ASTM C618 Class C) - 50 lbs
Sand (ASTM C- 33) SSD - 2020 lbs
ASTM No. 8 (3/8") - 600 lbs.
Water - 358 lbs.
Air Mix 250 - 1.0- 2.0 ounces
Water Reducer - 2.0 ounces
Entrained Air Content - 8%- 10%
Slump - 1- 3"
W/C Ratio - 0.44

Equipment Used:

Schwing BP500 Wet Mix Shotcrete Pump, Ingersoll Rand #375 Air Compressor

