

## Fire Department Training Tower Macomb Township, Michigan



the Township's fire staff in live fire training.

SDA provided survey and site design services and provided construction contract administration and observation services for the project. This design included providing a large reinforced paved access drive around the building, four hydrants at each corner of the site for use in the training, and a storm drainage system to discharge the water used on site. Also included in the design was a power supply to the building and an outside light system to allow for night training.

### SPECIAL FEATURES

Since the building was pre-fabricated, SDA worked closely with the manufacturer to design the foundation for the building and the first floor concrete slab. The foundation had to be designed precisely to allow for less than 1/8" tolerance for the building anchor bolts. Wall scuppers were included in the foundation to drain the water outside the building.

**Spalding DeDecker Associates, Inc. (SDA)** has been Macomb Township's Engineering consultant since 1966 and has acted in all capacities as the Township's Engineering Department since that time.

The Township contracted with a firm to deliver a pre-fabricated Training Tower at Fire Station #3, located on North Avenue, North of 21 Mile Road. The tower and burn rooms will be used by

### OWNER / CLIENT

Township of Macomb

### PROJECT START - END

June 2007 – May 2008

### SDA PROJECT NO.

MA07-015