



Location: Jamestown, North Dakota
Client: Jamestown School District
Architect: Smiley Glotter Nyberg Architects
Structural Engineer: Solien & Larson Engineer
Construction Manager: Construction Analysis & Management Inc.

Precast Products: Insulated flat wall panels in smart tan

 Interior solid flat slab
 structural wall panels



A LOOK AT JAMESTOWN HIGH SCHOOL

The Jamestown High School project began with the Jamestown school board approving the use of precast concrete over traditional brick and block. The precast concrete panel system estimated to be half the cost of the \$4.6 million masonry bid and required half the time to complete. When Wells Concrete Grand Forks was awarded the precast bid for \$1.7 million the masonry work originally planned was replaced with all precast tilt-up wall panels. Weather was not a concern and the school's leadership was impressed by the speed of erection.

Description:

The school board approved the precast concrete system with an understanding of the benefits of precast. The most prevalent benefits the district recognized include:

- Scheduling efficiency given precast concrete is not weather dependent
- Increased local involvement with the reduced masonry packages
- Maximized budget with cost effectiveness of precast
- Aesthetically pleasing building

The time saved in precast installation, combined with the efficiencies in not waiting for the weather, allowed the construction

manager to further maximize the district's budget. While the masonry bid was the initial impetus for considering precast given the higher than expected cost, the design team still utilized masonry in some interior spaces providing local contractors the ability to bond and staff the smaller packages. The masonry work was originally scheduled for 18 months with associated costs for working in winter conditions; precast concrete walls cut that schedule significantly.

District leadership was recognized by media for trimming the project cost, an extraordinary feat in public project procurement.

"I was very impressed with the quality."

*Dr. David Looyesen,
 Superintendent,
 Jamestown Schools*

"There is no upkeep whatsoever on the precast. I liked what I saw [with precast]... better than brick and mortar."

*Larry Ukestad,
 Principal,
 Jamestown Schools*

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