



Loveland Service Center, Loveland, CO

The City of Loveland's Service Center project features four buildings with a special precast concrete architectural color scheme highlighting the use of a unique form liner to create a showpiece facade. High-performance insulated precast concrete wall panels were chosen to add durability and energy efficiency to the project. This is the City's second LEED certified building project, recognizing building strategies and practices for high-performance green buildings. Use of local materials and recycled steel in the precast panes contributed to LEED points.

The new addition doubles capacity for the Public Works Department, adding new efficiencies for the City. Large meeting spaces, upgraded heated storage units, and space for up to 40 City staff were incorporated into the project to join together multiple work teams from the Loveland Public Works Department. The buildings house the public works' solid wastes, storm water, and street departments. Stresscon's precast scope consisted of 221 pieces, including double tees, Dynaspan, insulated walls, wall panels, insulated truss walls, and Thermomass.

Project Facts:

Market Segment:	Industrial
Building Type:	Light Industrial
Products Used:	Double tees, Dynaspan, insulated walls, wall panels, insulated truss walls, and Thermomass
Finishes Used:	Acid etch



Project Design Team:

Owner:	City of Loveland
General Contractor:	Golden Triangle Construction, Golden, CO
Architect of Record:	RNL, Denver, CO
Engineer of Record:	Monroe & Newell Engineers, Inc., Denver, CO



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The precast panels feature an architectural gray and white acid-etch design with multiple colors and simple detailing to blend the new buildings with existing campus color schemes. With edge to edge insulation, the wall panels achieve an R-value well in excess of the ASHRAE 90.1 requirements for all wall systems.



High-performance insulated precast concrete wall panels were chosen to add durability and energy efficiency to the project, and to meet specific city requirements. Loveland Service Center is the City's second LEED certified building project, recognizing building strategies and practices for high-performance green buildings. Use of local materials in the precast concrete panels contributed to LEED points.



Using various precast panel types and an original form liner design allowed for aesthetic architectural detailing on the facade of the building. The custom form liner sections removed the need for an extensive and time-consuming detailing process, and created design appeal and a visually aesthetic view of the building façade.



The twelve inch Thermomass wall panels were produced on a long line production facility, allowing for prestressing of the walls to maximize the structural capacity and create an economical, architectural wall panel. The wall panels are designed to achieve a steady state R-value, meeting project economies and insulation requirements.

