



Ross Dress for Less, Brighton, Colorado

The Ross Dress for Less project consists of a rigid wall, large box structure that is the typical building type for tilt-up concrete panels. Tilt-up panels were chosen for this project due to their effective cost structure, rapid project turnaround time, and the quality and durability the walls provide. The 13,000 (vertical) square foot building is comprised of 21 panels spanning 33 to 35 feet high, up to 25 feet wide, and 8 inches thick. Each of the tilt-up panels weighs approximately 80,000 pounds.

The Ross panels were cast horizontally onto the building floor slab over a three week period due to concrete rationing. The 21 panel project was erected over a two day period with installation on a concrete spread footing system. A 200 ton conventional crane was used to hoist the heavy panels into place. EnCon Field Services, LLC was responsible for trade coordination, forming, reinforcement, embeds, concrete placement and finishing.

Project Facts:

Market Segment:	Retail
Building Type:	Retail
Products Used:	Structural precast



Project Design Team:

General Contractor:	W.E. O'Neil Construction, Denver, CO
Architect of Record:	David P. Goode Architecture, Castle Rock, CO
Engineer of Record:	Neujahr and Gorman, Inc., Denver, CO



Company Information:

EnCon Field Services, LLC
8600 Welby Road
Denver, CO 80229
303.287.4312
www.EnConUnited.com
Sales@EnConUnited.com





Field layout is the first step of the process to identify setup and position of panels prior to casting on the slab.



Tilt-up panels are a cost effective solution for large box structures because of the rapid project turnaround time, and the quality and durability the walls provide.



Tilt-up panels are cast and cured, and braces are installed prior to tilting panels into position.



An advantage of tilt-up is that the joist beam seats are welded on the ground rather than the air, saving time and money.

