



NEW PRODUCT

DP WALL 2015 FEATURES

- ▲ Windows® Vista, 7, 8, and 10 compatible
- ▲ Enhanced interface to provide better user feedback with highlighted text and labeled tabs
- ▲ Keyboard shortcuts added for power users
- ▲ AASHTO LRFD 7th Edition
- ▲ AASHTO standard specifications
- ▲ Enhanced graphics
- ▲ PDF reports
- ▲ Supports live load surcharge loading
- ▲ Supports variable back slope conditions
- ▲ Water table computations
- ▲ Stability checks
- ▲ Single and double reinforcement design for stem
- ▲ Design adequacy check

For additional information on **DP WALL** or to place an order, please contact
Daryl D. Burns, PE
Director of Specialty Precast Services
607-231-6613
dburns@delta-eas.com

DP WALL 2015

PRELIMINARY WALL DESIGN AND MATERIALS ESTIMATING SOFTWARE

WHAT IS DP WALL 2015?

DP WALL is a unique program developed and licensed by **Delta** specifically designed to allow precast manufacturers the ability to determine member thickness and reinforcing requirements for concrete cantilever style retaining walls. **DP WALL** runs as an independent application on Windows® computers. Projects submitted to **Delta** through **DP WALL** are expedited in our project development pipelines and are typically completed in three business days.

HOW DP WALL 2015 WORKS

The powerful built-in design function in **DP WALL** analyzes each structure based on a user defined set of conditions including live load, retained depth and water table depth. The program continually tells the user if the design is adequate through a series of RED and GREEN indicator fields. A percent field next to the RED/GREEN light shows how far over or under the current attribute is from the required value.

WHAT DP WALL 2015 DELIVERS

DP WALL output displays and prints total concrete quantity in both cubic yards and weight. Rebar quantities are displayed in pounds. The compliant design can be immediately transmitted to **Delta** for review and stamping by a licensed engineer. Detailed calculations sealed by a professional engineer (limited to certain states) can be requested as well.

DP WALL INTERFACE

The interface displays two main views: **REPORT DETAIL** and **REBAR DETAIL**.

REPORT DETAIL shows a cross-section of a retaining wall with dimensions: 8 inch top width, 12 inch stem thickness, 10 Feet base width, 2.5 Feet heel width, and 10.946 Feet height. It also lists: Max. Stem Height = 11.613 Feet, Min. Stem Height = 11.613 Feet, Wall Length (L1) = 7 Feet, Wall Length (L2) = 1 Feet, Total Concrete Quantity = 11.44 Yards, and Total Concrete Weight = 23.17 Tons.

REBAR DETAIL shows a vertical cross-section of the stem with reinforcement locations labeled: Location 1, Location 2, Location 3, Location 4, Cov 1, and Cov 3.

PROGRAM INTERFACE shows the main software window with fields for Project Name, State/Agency, Structure ID, Date, Back Slope, Live Load, Method, Theory, Stem Height, Stem Thickness, Stem Projection, Length 1, Heel Depth, Design Height, Footing Thickness, Length 2, Toe Depth, Water Depth, and Structure Status. It also includes a 3D model of the wall and a 'Back Slope Condition' diagram.

