



Commercial GC Database

The Commercial GC Database gives you the information you need to begin estimating productively right away.

Thousands of standard industry items—from sitework to interior finish components—are included to get you started. Just add your own pricing and you're ready to go.

You can also customize the database to fit your unique needs. Estimating, a Sage Timberline Office application makes it easy to add your own items, formulas, assemblies, productivity and conversion factors to the database as you estimate.

The database also includes Smart Assemblies™ that let you take off even the most complicated building component, like a tilt-up wall, in one step. For example, when taking off a tilt-up wall, simply enter one set of dimensions and the assembly will generate labor and material costs for the concrete, formwork, lift inserts, rebar and more.

General Database Specifications

- > More than 6,700 Items
- > More than 1,600 Formulas
- > 250 Smart Assemblies
- > 120 Bill of Materials Classes

Number of Assemblies

| Division | |
|-------------------------------------|----|
| General Conditions | 2 |
| Excavation and Sitework | 14 |
| Demolition | 8 |
| Concrete | 60 |
| Masonry | 19 |
| Structural & Misc. Steel | 4 |
| Structural & Misc. Steel Design | 4 |
| Carpentry & Millwork | 9 |
| Thermal & Moisture Protection | 27 |
| Doors, Windows & Curtain Walls | 9 |
| Finishes: Carpet, Tile, Paint, Etc. | 10 |
| Stucco, Drywall, Acoustical, Etc. | 30 |
| Drywall-Duct Enclosure & Beam Wrap | 2 |
| Specialties | 4 |
| Equipment | 4 |
| Furnishings | 2 |
| Special Construction | 1 |
| Conveying Systems | 2 |

Commercial GC Database is a part of Sage Timberline Office, fully integrated software created to streamline work and connect the people you depend on to build your business.

Commercial G. C. Database

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0320 Walls - Tiltup, Smooth or Wash

Assumptions Items Variables Drawing

Assumptions

This assembly takes off a rectangular tilt up wall panel where the finish is on the exposed surface and is either smooth or washed.

- Concrete includes regular concrete, colored concrete or pea gravel concrete. All of these are available in 2,000 psi through 7,000 psi.
- Perimeter edgeforms include 2 by 6's and 2 by 8's. Any thickness less than a 2 by 6 calculates a 2 by 6 as the edgeform. Any thickness greater than 8 inches calculates the "generic" item "tilt up forms in linear feet".
- Rebar sizes include #4, #5 and #6. Refer to the drawing to show the location of weld plates. Lift inserts are figured for every 10,000 pounds of concrete.
- Enter the length, height and thickness of the concrete. If there are openings, enter the number of openings of a given size. The assembly will then ask for the opening width and opening height. Refer to the memo for the concrete code.
- SF/Gal of coverage refers to the square feet of coverage per gallon of bond breaker.
- If you take off an opening, the assembly adds more edgeforms around the four sides of that opening. If the opening happens to occur at the edge of the slab, you will need to make an adjustment.

Items

| Phase | Item | Description |
|---------|------|--|
| 3473.00 | 26 | TiltUp Form 2x6 Random Length Formula: wLF T Up EdgeFm 2x6 |
| 3473.00 | 28 | TiltUp Form 2x8 Random Length Formula: wLF T Up EdgeFm 2x8 |
| 3473.00 | 10 | TiltUp Forms Formula: wLF T Up EdgeFmGT 8 |
| 3474.10 | 10 | Lift Inserts Formula: EA TiltUp Lift Insert |
| 3209.00 | 46 | Wall Rebar #4 Grade 60 Formula: wLF RebarGrid #4 LxH |
| 3209.00 | 56 | Wall Rebar #5 Grade 60 Formula: wLF RebarGrid #5 LxH |
| 3209.00 | 66 | Wall Rebar #6 Grade 60 Formula: wLF RebarGrid #6 LxH |
| 3474.10 | 20 | Rebar Chairs Formula: EA Conc Rebar Chairs |

The database documentation outlines the construction logic used in setting up each of the Smart Assemblies™...

Additional Drawings

Cross Section Detail

The diagram illustrates a cross-section of a wall. It shows a grid of rebar with horizontal and vertical spacing. A vertical dimension line on the right indicates the 'Wall Height' with a specific value of '7'-0"'. A horizontal dimension line at the bottom indicates the 'Length' with a specific value of '5'-0"'. Labels include 'Vertical Bar Spacing', 'Horiz. Bar Spacing', 'Weld Plates' (pointing to the bottom and top edges), and 'A' (pointing to a specific rebar intersection). The diagram is titled 'Additional Drawings' and 'Cross Section Detail'. Copyright 1997 is noted at the bottom right.

...and includes a drawing that lets you see its associated variables.