

Sage Construction and Real Estate Solutions

Advanced Assembly Composite Database

For use with Estimating Standard and Extended

When it comes to running your business, you're only as effective as the information you have to make decisions. That's why it's so important for your estimating database to work the way you do, not the other way around. Even if you're running the best, most sophisticated and powerful Estimating solution available, if it's not backed by an equally powerful and flexible database, positioning your business for success is certain to be a great challenge.

So, how do you know which database is the right one to meet your specific needs? No single database in the world can meet the needs of every business right out-of-the-box. And, much like everyone has their own unique style for estimating, the selection of your database depends greatly upon how you will need to rely on it now, and in the future.

◀ *Unlike a standard, one-size-fits-all database, Advanced Assembly Databases provide you with a wealth of benefits designed to increase the productivity of your business.*

The screenshot displays the Sage Estimating software interface. The main window is titled 'Estimating - C:\DataFiles\DB UnderDevelopment - [Assembly Takeoff: Townhouse]'. The interface is divided into several sections:

- Left Panel:** A tree view showing the project structure, including '400 WALLS', '420 Wall - Wood Framed Exterior UP', and 'Pass 1 2/24/2009 4:42 PM'.
- Top Panel:** A menu bar with options like File, Edit, View, Database, Takeoff, Pricing, Reports, Interface, Window, and Help.
- Right Panel:** A detailed assembly takeoff for 'FRAMING' and 'EXTERIOR FINISH'. It lists various components and their quantities, units, and locations. For example, 'Length of Wall' is 666,000 feet, and 'Height of Wall' is 10,000 feet. Other items include 'Spacing of Studs', 'Size of Wood Studs', and 'Type Exterior Finish'.
- Bottom Panel:** A table with columns for Phase, Item, Description, Quantity, Unit, Location, and Building. It lists 27 items, including 'FRAMING MATERIAL', 'PT 2x 6x16 #2 Plate', 'SPF 2x 6x16 #2 Plate', 'Sill Seal 1/2" x 50"', 'Bolts: 1/2" x 2" x 12"', 'Stud SPF 2x 6x16 5/8" (pre-cut)', 'Nails: Pneumatic 16d (50# Box)', 'Blocking 2x4', 'SPF 2x 4x16 #2 Blocking', 'Hex Bolts: 5/8 x 6', 'Go-Bolt rod', 'Sheathing wal', 'OSB: 1/2" 4x8', 'Nails: Pneumatic 8d (50# Box)', 'Nails: Common galv 8d (50# Box)', 'EXTERIOR FINISH', 'Stucco Quoins', 'Siding', and 'Hardie: 6 1/2"x12" (5" exposure)'. The table also shows quantities, units, and locations for each item.
- Bottom Bar:** A status bar showing 'Quantity: 6,660.00 sqft', 'Cost: \$53,545.09', and '\$8.04 / sqft'. It also includes buttons for 'Notes', 'Attachment', 'OK', 'Cancel', and 'Help'.

The above example (Exterior Wood Framed Wall) assembly includes three sizes of framed walls (4", 6", & 8"), stud length to match wall height, fire blocking, plates, six types of exterior finishes, five kinds of insulation, four kinds of drywall, three kinds of drywall finish, five kinds of base, and over twenty options to meet most any specification.

Sage Construction and Real Estate (CRE) has created a diverse suite of Estimating Standard and Extended databases to meet a wide range of contractors' unique needs. Extremely powerful, these new Advanced Assembly Databases are developed to support the distinct requirements of various industry-specific contractors, so you can choose a database that truly works the way your business does, including:

- Advanced Assembly Composite (combined and includes each of the following databases)
- Advanced Assembly Commercial
- Advanced Assembly Residential
- Advanced Assembly Sitework
- Advanced Assembly Concrete/Masonry
- Advanced Assembly Starter

Additionally, the database provides you with a wealth of benefits, such as:

- Easy Implementation. It's intuitive, and requires minimal review and editing, so you're up and running more quickly.
- Comprehensive assemblies with detailed cost items
- Contains current manufacturers pricing.
- Most assemblies support both "man-hour" and "unit pricing", it's up to you.
- Estimates both self-performed and subcontract work
- Provides multiple methods of labor and material takeoff
- Produces detailed takeoff quantities and a Bill of Materials for soliciting vendor quotes and ordering materials
- Helps prepare and streamline processes such as: bid solicitation, buyout, project scheduling and AIA billing

In addition to the 103 assemblies, the Advanced Assembly Composite Database also includes:

- More than 51000 items (categorized by industry standards of Labor, Material, Subcontract, Equipment and Other).
- More than 7400 formulas.

And, although an optional view, CSI MasterFormat™ 2004, estimates can also be sorted by MasterFormat™ '95, Trade, Construction Schedule or Activities, Schedule of Value, Location, and much more.*

*Requires Estimating Extended

Advanced Assembly Composite Database Assembly List

Special Estimates

Conceptual Estimate
Model Hone Estimate
Unit Price Bid Estimate

Bids, Quotes, and Allowances

Residential Lump-Sum Subcontractor Bids
Commercial Lump-Sum Subcontractor Bids
Material Quotes
Allowances

General Requirements

Mobilization (one-time, startup costs)
Project Overhead (monthly operations)
Close-out
Equipment: General
Equipment: Hoisting

Demolition & Remodel

Repair Masonry Opening
Demo Site (buildings, paving, fence, & utilities)
Demo Structure (footing, slab, floors, & walls)
Demo Interior (finishes, drywall, doors, & cabinets)
Demo Exterior (roof, brick, siding, door, & windows)
Refinishing & Remodeling Rooms

Site Work

Site-Prep & Excavation
Storm Drainage System
Sanitary Sewer System
Water System
Fire Line System
Curbs & Gutters
Paving
Sidewalks
Handicap ramp
Irrigation System
Landscaping
Site Improvements
Pool
Retaining Wall
Site Block Wall

Slab & Foundation Systems

Continuous or Strip Footings
Pad Footing with Piers
Pile Cap Footing with Piles
Grade Beam with Piles
Flat & Monolithic Slab On-Grade
Basement slab

Flat Deck Systems

Cast-in-Place Concrete Decks
Pre-cast Hollow Core Decks
Bar Joist & Metal Decks
Wood Frame Floor & Decks
Exterior Wood Frame Deck

Sloped Roof Systems

Rafter Roof System
Wood Truss Roof System
Metal Truss Roof System
Steel Beam and Purlin Roof System
Wood Framed Dormer

Doors, Windows & Glass Openings

Opening - Storefront & Fixed Glass
Opening - Windows
Opening - Doors
Opening - Overhead Doors

Wall Systems

Block Stem Wall
Block Exterior Wall
Block Interior Wall
Wood Frame Exterior Wall
Wood Frame Interior Wall
Wood Frame Wall @ Bay Window
Metal Frame Exterior Wall
Metal Frame Interior Wall
Concrete Cast-in-Place Wall
Concrete Tilt-Wall Wall
Curtain Wall

Columns & Chases

Column - Wood, Plastic, Block, & Precast
Column - Framed Chase
Column - Cast-in-Place Round Concrete
Column - Cast-in-Place Square Concrete

Stairs & Railing

Stairs - Wood Frame
Stairs - Metal Pan Filled
Stairs - Cast-in-Place Concrete
Stairs - Pre-cast Concrete

Residential Room Finishes

Ceiling Finishes: Drops & Bulkheads
Room Finishes: Living Area
Room Finishes: Bath
Room Finishes: Kitchen
Room Finishes: Utility
Room Finishes: Garage & Storage
Room Finishes: Balcony & Deck
Room Finishes: Outdoor Living
Room Finishes: Summer Kitchen

Commercial Room Finishes

Ceiling Finishes, Drops & Bulkheads
Room Finishes: Office ____
Room Finishes: Exit Corridor
Room Finishes: Restroom
Room Finishes: Gallery
Room Finishes: Kitchens
Room Finishes: Utility Room
Room Finishes: Balcony & Deck

Equipment

Residential Equipment
Commercial Equipment
Elevator & Lift

HVAC, Electrical, & Plumbing Systems

Fire Alarm System
Fire Sprinkler System
Gas System
HVAC System
Plumbing System
Electrical System

Shell Buildings

Manufactured Metal Building
Laminated Arch Shell
Structural Steel Frame
Cast-in-Place Concrete Shell