

# 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 shows the Sage Estimating software interface. The main window displays a detailed assembly takeoff for 'FRAMING' and 'EXTERIOR FINISH'. The 'FRAMING' section includes items like Length of Wall (666,000 feet), Height of Wall (10,000 feet), Spacing of Studs (16,000 inch), Size of Wood Studs (6,000 pick), # Runs of Blocking (1,000 each), # Intersections (44,000 each), # of Corners (12,000 each), # Extra Studs (each), Finger Joint? (No), Need PT Sill Plate? (Yes), Need Double Plate? (No), Method Plate Anchor (4,000 pick), Spacing of Anchors (4,000 feet). The 'EXTERIOR FINISH' section includes Type Exterior Finish (5,000 pick), Siding Both Sides? (No), Type of Siding (5,000 pick), Type Exterior Trim (5,000 pick), Size Exterior Trim (6,000 inch), Method Paint Trim (2,000 pick), Method to Paint (5,000 pick), Type Sheathing @Wall (1,000 pick), and Need Housewrap? (Yes).

Phase	Item	Description	Quantity	Unit	Location	Building
1	9000.001 436	FRAMING MATL		INFO		
2		W/d Bottom Plates				
3	0611.166 262	PT 2x 6x16 #2 Plate	42,000	ea	1st Floor	
4		W/d Top Plate				
5	0611.176 108	SPF 2x 6x16 #2 Plate	84,000	ea	1st Floor	
6	0611.143 176	Sill Seal 7'x'x50'	666,000	lf	1st Floor	
7		Sill Anchors				
8	0339.000 1008	Bolts: 1/2" x 12"	167,000	ea	1st Floor	
9		W/d Wall Studs				
10	0611.160 110	Stud SPF 2x 6x16 5/8" (pre-cut)	644,000	ea	1st Floor	
11	0611.310 628	Nails: Pneumatic 16d (50# Box)	2,576,000	ea	1st Floor	
12		Blocking 2x4				
13	0611.180 110	SPF 2x 4x16 #2 Blocking	42,000	ea	1st Floor	
14	0611.310 628	Nails: Pneumatic 16d (50# Box)	2,003,008	ea	1st Floor	
15		Hold Down				
16	0611.310 520	Hex Bolts: 5/8 x 6		ea	1st Floor	
17	0611.310 500	Go-Bolt rod		lf	1st Floor	
18		Hold Down@GoBolt				
19		Sheathing wal				
20	0616.010 132	OSB: 1/2" 4x8	6,660,000	sf	1st Floor	
21	0611.310 624	Nails: Pneumatic 8d (50# Box)	7,492,500	ea	1st Floor	
22	0611.310 612	Nails: Common galv 8d (50# Box)	23,310,000	ea	1st Floor	
23	9000.001 318	EXTERIOR FINISH		INFO	1st Floor	
24	0924.002 618	Stucco Quoins		sy	1st Floor	
25		Siding				
26	0746.005 208	Hardie: 6 1/2"x12" (5" exposure)	6,660,000	sf	1st Floor	
27	0611.310 623	Nails: Pneumatic 6d (50# Box)		ea	1st Floor	

Quantity: 6,660.00 sqft Cost: \$53,545.09 \$8.04 / sqft  
Click OK to generate the assembly to the estimate

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

