

Sage Construction and Real Estate Solutions

Electrical Knowledgebase

For faster and more accurate estimating, Electrical Knowledgebase is a pre-built database of prices that you can begin using immediately.

Developed for use exclusively with Estimating, a Sage Construction and Real Estate application, nothing compares to the way Electrical Knowledgebase allows contractors to prepare conceptual estimates, even detailed estimates, immediately upon loading the software.

Eliminating the often tedious and time-consuming process of individual item takeoff, the built-in intelligence prompts you for minimal input to calculate quantities and costs of a given assembly. Thousands of industry-standard item prices are included and ready to go without building your database from scratch.

Electrical Knowledgebase includes Smart Assemblies and modeling capabilities, so you can take off a complete system in a single step—assemblies such as branch power distribution and feeders, devices, and lighting. And each assembly or model is backed by complete item and labor detail plus the designed-in intelligence to simplify any complex estimate. Labor rates conform to NECA levels 1, 2, and 3 and material items are updated regularly by Trade Service's TRA-SER Premier program.

You can also set up and tap into item pricing and labor production rates honed to fit your custom requirements. This allows you to use a predefined price for negotiated work or net prices based on agreements with a particular vendor. You may also want to adjust labor rates to account for the degree of installation difficulty, weather, or other conditions that can affect the job. Choose one combination of pricing and labor factors for a hard-bid job, another for negotiated work, and still another for a change order.

Features and Efficiencies

- Quickly take off hundreds or even thousands of items thanks to Smart Assemblies with built-in intelligence.
- Set up models for any type of work such as commercial, hospital, schools, industrial, multi-family, and more.
- Configure multiple crews using criteria for unions, prevailing wage, or interstate work.
- Easily search and sort items thanks to TRA-SER Pro commodity code descriptions on every item.
- With Job Cost phase codes you can easily integrate with accounting applications.
- Generate material lists in a meaningful format for efficient material purchasing.
- Customize items with up to 20 prices for each and set up for automatic updates
- Associate up to 10 labor rates to each item for accuracy under any conditions.

BENEFITS

- Start generating estimates immediately using a number of prebuilt models and assemblies
- Easily customize to support multiple labor rates (crew and/or complexity specific) and item pricing
- Generate highly accurate detailed or conceptual estimates in a fraction of the time it's currently taking you
- Easily create or reprice estimates based on NECA labor rates (levels 1, 2 & 3) and Trade Services TRA-SER Pro material pricing updates
- Eliminate the time-consuming task of item takeoff using Smart Assemblies and modeling capabilities

Create Interview

Model Name: Take-off System & Procedures w/ CABR to Device Cost

Model Reference: Building A Floor 1

Rough-In Takeoff Model

Use this model to take-off switches with either armored cable or NM (romex) w/ supports, boxes, and plates.

When building a new or modifying an existing model, always be careful that your formula logic within a nested assembly variable does not generate a value outside the parameters of the minimum or maximum default values of that assembly variable. In particular, watch for any formula logic that will generate a zero (0) value to a variable with a minimum default value of 1.

Select Cable Type: 2

Select Framing Material: 1

Select Ring Height: 2

Select Device Color: 3

Select Plate Color: 15-15 Amp Switch, 20-20 Amp Switch

SWITCHES:

Select Switch Amp Rating

Enter Switch Cable Conductor Size (e.g., #14, #12, #10, etc.):

Enter the Quantity of 1-gang, SP Switches:

Enter the Quantity of 2-gang, SP Switches:

Enter the Quantity of 3-gang, SP Switches:

Enter the Quantity of 4-gang, SP Switches:

Enter the Quantity of 1-gang, 3-Way Switches:

Enter the Quantity of 2-gang, 3-Way Switches:

Estimating - C:\Databases\K.K. [Greenwell Industries]

Bid Item	Floor	System	Description	Quantity	Labor Quantity	Labor Amount	Material Unit Price	Extended Material	Extended Price	Labor Cost	Price Table
Base Bid											
	Floor 01		Floor 1								
		Branch	Branch Wiring		383.68 hrs	24,535		6,961	27,496		
		Devices	Sheet E-1 Wiring Devices		2,345.11 hrs	131,654		30,690	162,345		
		Feeder	Feeder Sheet E-2								
			2-1/2 RESIDENT STRUT CLAMP BS	146.00 ea	7.00 ea	293	102.38 ea	143	538.94	39m	
			12 THHN STR CU BLK 2500 WIRE	4,116.00 ft	37.42 ea	2,101	104.10 ea	433	2,534	Very Difficult	3rd Price col 3
			12 THHN STR CU BLK 2500 WIRE	2,772.00 ft	31.00 ea	1,743	107.23 ea	438	2,179	Very Difficult	3rd Price col 3
			4 THHN STR CU BLK 100A WIRE	2,772.00 ft	38.81 ea	2,179	84.86 ea	1,678	1,858	3rd Price col 3	
			2 THHN STR CU GRN 100A WIRE	1,386.00 ft	24.91 ea	1,481	94.93 ea	1,318	2,717	3rd Price col 3	
			1/4-8 ALICU SCR LOG	4.00 ea	1.24 ea	70	28.93 ea	1	71	3rd Price col 3	
			1/4-8 ALICU SCR LOG	8.00 ea	1.88 ea	154	28.93 ea	2	142	3rd Price col 3	
			6-20 ALICU SCR LOG	2.00 ea	2.00 ea	112	104.20 ea	4	119	3rd Price col 3	
			6-20 ALICU SCR LOG	2.00 ea	2.00 ea	112	104.20 ea	4	119	3rd Price col 3	
			4 STR ALICU SPLT BOLT	1.00 ea	1.00 ea	34	197.20 ea	4	34	3rd Price col 3	
			10 STR ALICU SPLT BOLT	4.00 ea	2.00 ea	112	104.20 ea	8	119	3rd Price col 3	
			10 STR ALICU SPLT BOLT	8.00 ea	3.00 ea	168	104.20 ea	8	179	3rd Price col 3	
			2#0LB x 85AP POLY LINE	1,386.00 ft	2.78 ea	135	16.13 ea	4	159	3rd Price col 3	
			Labor for EMT Conduit - 2-1/2"	48.00 ft	4.81 ea	301	-	-	301	3rd Price col 3	
			2-1/2 EMT THINWALL CONDUIT	1,378.00 ft	131.15 ea	7,507	104.19 ea	18,322	17,820	3rd Price col 3	
			2-1/2 DIC 80 UNB BUSH	4.00 ea	1.00 ea	40	326.58 ea	87	84	3rd Price col 3	
			2-1/2 DIC 80 GRD BUSH	38.00 ea	17.00 ea	864	326.58 ea	1,231	1,231	3rd Price col 3	
			2-1/2 RT EMT CONP EDINA	4.00 ea	2.00 ea	112	327.88 ea	13	125	3rd Price col 3	
			2-1/2 RT EMT CONP EDINA	88.00 ea	34.00 ea	1,809	327.88 ea	223	2,132	3rd Price col 3	
			2-1/2 DIC RT EMT CONP CPLD	134.00 ea	107.00 ea	8,852	423.00 ea	803	8,705	3rd Price col 3	
			2-1/2 DIC RT EMT CONP CPLD	36.00 ea	36.00 ea	2,281	423.00 ea	237	2,438	3rd Price col 3	
			2-1/2 DIC EMT EL	28.00 ea	4.80 ea	292	195.88 ea	4,354	4,858	3rd Price col 3	
			2-1/2 EMT Field Band	18.00 ea	8.00 ea	448	-	-	448	3rd Price col 3	
			2-1/2 ALL LB THREADED BODY	18.00 ea	4.00 ea	221	4,488.07 ea	788	842	3rd Price col 3	
			12x12x4 1/2 SCH CHB BOX	14.00 ea	31.00 ea	2,863	16.91 ea	879	3,438	3rd Price col 3	
			Sheet E-4								
			L40 SCREW LOCK	18.00 ea	0.34 ea	38	4.70 ea	1	37	3rd Price col 3	

Grand Total: 162,345

Answer a series of questions about your project and the knowledgebase generates extremely accurate project costs backed by extensive detail.

Electrical Knowledgebase is part of the Sage Construction and Real Estate family of fully integrated software created to streamline work and connect the people you depend on to build your business.

Contact Alliance Solutions Group, LLC. for more information.
888-559-9540 / info@alliance-sg.com / www.alliance-sg.com

