



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: 1005 - Takeoff Switches & Replacements w/ Cable by Device Count

Model Reference: Building A Floor 1

Rough-In Takeoff Model

Use this model to take-off switches with either armored cable or RMU (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 in 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:\Database\JK - [Greenwell Industries]

Bid Item	Floor	System	Description	Quantity	Labor Quantity	Labor Amount	Material Unit Price	Extended Material	Extended Price	Labor Col	Price Table
Base Bid											
	Floor 01		Floor 1								
			Branch Wiring								
			Sheet E-1	365.60	hrs	21,535		5,991	27,436		
			Devices								
			Sheet E-3	2,345.11	hrs	131,664		30,690	162,345		
			Feeder								
			Sheet E-2								
			3-1/2 RIGID ENT EMBLY CLAMP-BS	110.00	ea	7.30	393	102.30	113	638	Item
			12 THIN STR CU BLK 2000 WIRE	4,110.00	ft	37.42	mh	2,161	104.13	433	2,524 Very Diffcult Bid Price col 3
			18 THIN STR CU BLK 2000 WIRE	2,772.00	ft	31.25	mh	1,742	197.25	438	2,179 Very Diffcult Bid Price col 3
			4 THIN STR CU BLK 5004 WIRE	2,772.00	ft	38.91	mh	2,139	204.00	438	3,855 Item Bid Price col 3
			2 THIN STR CU GRN 5004 WIRE	1,386.00	ft	21.26	mh	1,481	149.83	1,318	2,717 Item Bid Price col 3
			14-8 ALU/CL SCR LVD	4.00	ea	1.24	mh	70	28.00	1	71 Item Bid Price col 3
			14-8 ALU/CL SCR LVD	6.00	ea	1.98	mh	104	28.00	2	100 Item Bid Price col 3
			8-200 ALU/CL SCR LVD	2.00	ea	2.38	mh	112	184.20	4	110 Item Bid Price col 3
			8-200 ALU/CL SCR LVD	2.00	ea	2.28	mh	112	184.20	4	110 Item Bid Price col 3
			8-200 ALU/CL SCR LVD	2.00	ea	2.28	mh	112	184.20	4	110 Item Bid Price col 3
			4 STR ALU/CL SLP BOLT	1.00	ea	0.88	mh	34	297.28	4	35 Item Bid Price col 3
			18 STR ALU/CL SLP BOLT	4.00	ea	2.38	mh	112	184.20	8	110 Item Bid Price col 3
			18 STR ALU/CL SLP BOLT	6.00	ea	3.58	mh	168	188.88	9	178 Item Bid Price col 3
			210-LB x 6000 POLY LANE	1,386.00	ft	2.76	mh	155	15.13	4	159 Item Bid Price col 3
			Labor for ENT Conduit - 2-1/2"	-80.50	ft	-8.51	mh	-	-	-	(382) Item Bid Price col 3
			3-1/2 ENT THERMAL CONDUIT	1,370.00	ft	138.14	mh	1,387	754.14	10	16,132 Item Bid Price col 3
			3-1/2 DIC RB 200 BUSH	4.00	ea	1.28	mh	88	228.88	37	84 Item Bid Price col 3
			3-1/2 DIC RB 200 BUSH	60.00	ea	17.28	mh	854	520.00	430	1,091 Item Bid Price col 3
			3-1/2 RT ENT COMP CONG	4.00	ea	2.24	mh	112	127.84	13	125 Item Bid Price col 3
			3-1/2 RT ENT COMP CONG	68.00	ea	34.38	mh	1,929	107.99	221	2,112 Item Bid Price col 3
			3-1/2 DIC RT ENT COMP CPLG	164.00	ea	107.38	mh	6,862	421.88	683	8,700 Item Bid Price col 3
			3-1/2 DIC RT ENT COMP CPLG	30.00	ea	38.28	mh	2,281	423.00	237	2,439 Item Bid Price col 3
			3-1/2 DIC ENT EL	20.00	ea	4.48	mh	252	155.50	4,254	4,000 Item Bid Price col 3
			3-1/2 ENT Face Band	18.00	ea	0.34	mh	449	-	449	449 Item Bid Price col 3
			3-1/2 AL LB THREADED BODY	18.00	ea	1.28	mh	236	4,499.07	718	843 Item Bid Price col 3
			120-LB RT SCR OVER BOX	34.00	ea	21.28	mh	2,853	18.91	575	3,428 Item Bid Price col 3
			Sheet E-4								
			LAD SCREW UNLT	18.00	ea	0.24	mh	36	4.70	1	37 Item Bid Price col 3

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.



End-to-end solutions. Expert advice. Ongoing support. That's Sage 360.

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