

Estimating

BID MORE. WIN MORE.

aSa Estimating is designed with speed and accuracy in mind. Experience a new level of bidding success and profitability — put aSa's powerful, yet easy-to-use tools for taking off and pricing rebar, accessories, and labor to work for you.

- **Estimate faster**

Take off by structure, rather than one bar at a time. Automatically calculates standard hooks and laps.

- **More accurate**

Each entry is checked for errors as it is keyed in. Calculated lengths and weights are displayed for visual verification.

- **Get organized**

Group your estimate into sections by bid item or by structures, such as foundations, walls, and footings.

- **Estimate placing labor requirements**

Based on estimate summary information and settings that you define, the program will automatically calculate man-hours and costing associated with material installation.

Developed by Applied Systems Associates, Inc., aSa Estimating allows you to take off directly from a set of printed or electronic plans to the computer keyboard — no transcribing to and from paper, no manual calculations. All entries are checked for errors and converted to pieces, lengths, and weights automatically as they are entered. Reports organize, summarize, and price material so you can make a successful bid. All pricing is set up by you, and the estimate can be structured to satisfy both the estimator's needs and the bid requirements.

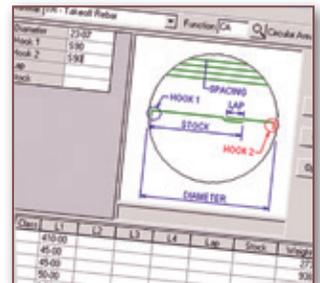
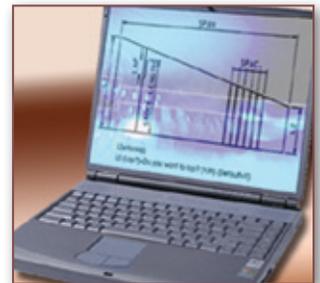
Integration and intelligence

aSa uses Microsoft® database technology to store, retrieve, and manage your estimate information. In a network environment, database tables are accessible to other aSa applications, allowing for integration across your entire organization. For example:

- Default information set up prior to estimate creation is automatically loaded into the estimate, decreasing setup time.
- Weight summaries created by Estimating can be used by Rebar Financials modules to price your jobs and change orders.
- After you win the contract, defaults set up in Estimating can be used by Rebar Financial modules to price your job and change orders.
- Advanced reporting lets you track estimated versus detailed, shipped, and billed weights for your projects.

The Estimating Environment

aSa designed the Estimating Screen for rapid entry. In fact, you can enter almost every item entirely from the number keypad. Each entry that you make is automatically calculated and displayed in a floating answer window that includes pieces, extended lengths, and weights.



The Complete Rebar Solution®

- Estimate rebar and everything else**
 aSa Estimating handles rebar, plain round steel, mesh, end preps, and other accessories.
- Handle any project's requirements**
 Stock and lap lengths, clearances, and units of measure are easily defined on a job-by-job basis.

Functions and Formulas

More than a dozen estimating functions for common structure types are built into the system, allowing you to automatically calculate the necessary stock and piece-out bars for linear areas, rectangular areas, varying bars, column verticals, circular functions, tie configurations, and spirals. When you select a function, its illustration automatically displays on-screen for your reference.

Additionally, you can create your own functions.

Simply set up a calculation formula, then later plug in values based on the details of the project. Use your formulas over and over again to save valuable estimating time. No need to manually calculate quantities either, simply enter span and spacing — even custom zone and variable spacing — and the program will automatically determine the correct number of pieces.

Smart Interface

An expandable grid shows you all of the entries you've made in a simple row and column format. Editing functions such as Cut, Copy, Paste, and Search utilities are available with a right-click of the mouse. Grid items and material entry fields are completely customizable — display the fields you want to see, hide the fields that you use less often. You can even program your own hot keys to use for specific estimating functions.

You'll never need to enter the same takeoff information twice. A variety of tools, such as Get Estimate Data, Estimate Combine, and Save As, allow you to easily share data among multiple estimates and multiple estimators.

Reporting and Pricing

aSa provides a great deal of flexibility in organizing your estimate. On one level, you can break the project up into structures such as Foundations, Walls, and Footings. At the same time, you can assign items to bid groups or bid items based on the terms of the contract. Placing and user defined codes provide yet another way to organize estimate information. aSa's comprehensive Estimate Report provides you with subtotals for each grouping.

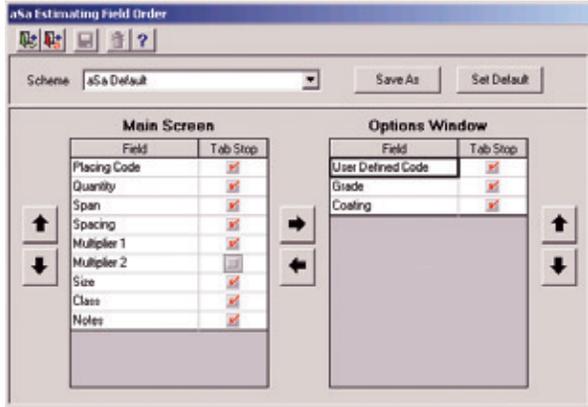
Special tools allow you to design any number of custom report summary sections and include them on your printed report. Each summary can group data by segment, bid item, placing, and other criteria, or it can simply

The screenshot displays the aSa Estimating software interface. The main window shows the 'Estimating Screen' with various input fields for 'Placing', 'Quantity', 'Span', 'Spacing', 'Multiplier', 'Size', and 'Class'. A diagram of a rebar structure is shown, illustrating the 'SPAN', 'HOOK 1', 'HOOK 2', 'LENGTH 1', 'LENGTH 2', and 'STOCK' parameters. A table below the diagram shows the calculated results for each line item.

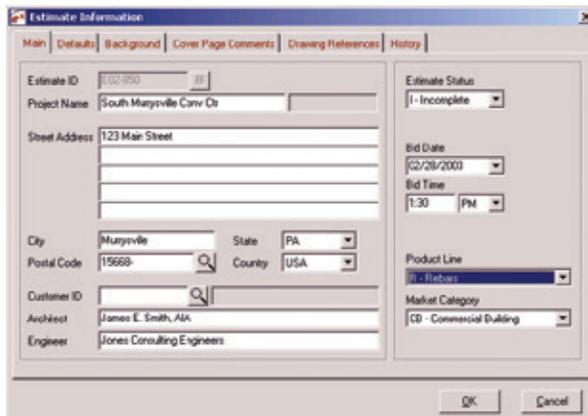
MT	FC	Qty	Span	Spacing	Mult1	Size	Class	L1	L2	L3	L4	Lap	Stock	Weight
1	TR	LS	2		3	5		410-00						2734
2	TR	BF	102			7		45-00						9382
3	TR	BF	51			5		45-00						
4	TR	LS	45		2	4		50-00						
5	TR	BF	144		4	4	L	1-06	0-08	1-06	0-08			
6	TR	BF	46		4	4		34-00						
7	TR	TA		10	0-072	10	4	L1	1-06					
8	TR	PA		0-00	1-00		4		27-00					
9	TR	LS	3			4		117-06						
10	TR	TB		5-06	0-08	17	3	L1	1-10					
11														
4														

An 'Answer' window is open, showing calculated values for 'Quantity' (34), 'Length' (7-02), 'Extension' (2451), and 'Weight' (256). A 'Details' window is also visible, showing a list of items with columns for 'Quantity', 'Length', and 'Weight'.

The Estimating Screen is designed for rapid entry. Illustrations display based on the type of structure you are entering. Answer windows, like those above and to the right, show calculated totals for each line item and help to immediately catch errors.



Customize the Estimate Entry screen to suit your needs. Display the fields you use most often and hide the ones you don't.



Estimate information that you define appears on the cover page of the Estimate Report. When you win the job, this information is automatically accessible to other aSa modules.

show the grand totals. Three basic types of custom summaries are available:

- Fab Class - Shows totals for each combination of bar size and heavy, light, straight, and stock material.
- Placing - Material breakdowns by placing criteria.
- Matrix - Extremely flexible format that lets you pick which fields to use for the rows and columns of data.

Pricing values that you define are applied to material sub-totals and totaled on the report. The Estimate Costing screen allows you to easily manipulate and fine-tune the bid for any job. Commonly used pricing categories – like size, grade, and coating extras; engineering extras; and freight in and out – are built into the system. Plus, you can create custom pricing items for overhead, profit, or any category that you dream up – the program will handle them.

The system's Placing Labor utility applies labor rate values that you define to your estimated material to calculate man-hours and installation costs.

Another helpful reporting feature is the Bar List Summary, a listing of all sizes and lengths of steel on the estimate. This section of the report is especially beneficial for planning production and for ordering material for upcoming jobs.

System features also allow you to record, track, and report estimate history information, and to import and export estimate data for easy transfer to other PCs or locations.

The aSa advantage

aSa Estimating is developed by Applied Systems Associates' experienced team of computer professionals and rebar industry experts. aSa's knowledgeable staff provides training services and top-notch technical assistance for Estimating and for all aSa products. With more than four decades of experience as a reinforcing steel software provider, aSa is dedicated to creating, supporting, and continuously improving the world's best rebar software.

- **Eliminate tedious calculations**

The program automatically calculates material required for common structure types, such as linear, rectangular, and circular areas, varying bars; tie configurations; galloping stirrups; and spirals. Plus, you can create your own formulas to handle other structures.

- **Make changes in seconds, not hours**

Edit functions like cut, copy, and paste allow for quick and simple modifications.

- **No need to re-estimate add and deduct alternates**

Special editors let you include, exclude, and hide sections of your estimate on the fly to easily accommodate bid requirements.

- **Create the reports you want to see**

With aSa's flexible report options, you control how material is sorted, sub-totaled, priced, and summarized. Design an unlimited number of custom summaries and include them on your report.

The aSa Estimate Report sorts and totals takeoff information so you have a clear, accurate, and organized picture of the material and labor required for your project. Numerous options allow you to customize report information and easily calculate sub-totals per structure, bid item, or any other criteria. Based on templates and values that you define, material and labor costs can be automatically developed and included on your Estimate reports.

E14-080 - PNC PARK BUILDING 1 (Bid Date: 6/27/2014)

aSa Fab Class By Segment

Total for Segment 2ND FLOOR

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt	
Grade 60, Black						
4/13	14,520	8,039	0	6,481	4,067	
5/16	13,998	8,759	5,239	0	3,128	
6/19	13,388	12,372	1,016	0	2,163	
7/22	2,114	862	712	540	0	
8/25	47,391	47,391	0	0	41,108	
9/29	323,635	315,056	8,579	0	290,530	
10/32	30,034	15,944	14,090	0	13,942	
	445,080	408,423	29,636	7,021	354,938	
Grade 60, Epoxy						
4/13	665	665	0	0	0	
5/16	569	569	0	0	0	
Total	4/13	15,188	8,707	0	6,481	4,067
	5/16					
	7/22					
	8/25					
	9/29					
	10/32					

Rebar Spirals (Lbs)

Size	Type	Rebar
Grade 60, Black		
4/13	Spiral	
Grand Totals	4/13	

Miscellaneous Items

Mesh Rolls	Mesh Roll 64 10'10' 6'11"
Subtotal	
Grand Total	

E05-850 - South Murrysville Civic Ctr (Bid Date: 1/24/2009)

Included Segment: Performing Arts Wing

Labor

Item	Description	Qty	U/M	Start Hours	\$/Hour	Total Price
	Columns	805.57	Lbs	3.84	49.89	191.56
	Columns	1,360.00	Lbs	5.92	49.89	295.30
	Foundations	8,769.28	Lbs	39.23	49.89	1,489.53
	Grade Beams	157,717.20	Lbs	691.37	49.89	31,505.51
	Pile Caps	39,936.48	Lbs	173.80	49.89	8,671.15
	Slabs	103,067.94	Lbs	515.99	49.89	25,734.71
	Walls	117,489.84	Lbs	513.30	49.89	25,569.62
	58348 3" SLAB BOLSTERS (SB-1)	100	roll	5.09	46.38	3.71
	m961010 Mesh Rolls 64 10'10'	5	Rolls	5.35	49.89	17.39
	Sub-Total	1,870.88		49.89		93,337.43
	Overhead %	5.00				4,666.87
	Profit %	10.00				9,333.75
	PTA					0.00
	Misc					0.00
	Total					107,338.10

Installed Material

Item	Description	Qty	U/M	Unit Price	Total Price
	Rebar, Grade 60, Black	425,871.74	Lbs	20.00	8,517.43
	Rebar, Grade 60, Epoxy	668.00	Lbs	25.00	16,700.00
	Rebar Spirals, Grade 60, Black	805.57	Lbs	22.00	177.23
	58348 3" SLAB BOLSTERS (SB-1)	100	roll	275.00	27,500.00
	m961010 Mesh Rolls 64 10'10'	5	Rolls	40.00	200.00
	Sub-Total				43,194.66
	Overhead %	5.00			2,159.73
	Profit %	10.00			4,319.47
	Sales Tax %	6.00			2,591.68
	Handling				100.00
	Misc				0.00
	Total				52,365.44

Included Segment: Performing Arts Wing

Category	Amount
Labor	107,338.10
Installed Material	103,854.35
FOB Material	0.00
Grand Total	211,192.45

aSa Applied Systems Associates, Inc.

Since 1969, Applied Systems Associates, Inc., has been an innovator in rebar software technology. aSa's "Complete Rebar Solution" automates nearly every step of the reinforcing steel process. Methods, procedures, and presentation practices developed by aSa have become standards in the rebar industry. More than just a software developer, aSa prides itself on providing complete solutions, including hardware, networking, and information technology services, as well as top-notch training and support from aSa's large in-house team of computer and industry experts. aSa is a Microsoft Certified Partner and supplies business solutions from Sage Software, Inc., and engineering solutions from Bentley Systems, Inc. — including the CAD design package MicroStation. aSa also provides a comprehensive line of paper forms and office supplies.

- Estimating
- CAD/Detailing
- Bar List
- Scheduling
- Computer Shearing
- Tags
- Equipment Interfaces
- Opto-Shear Console
- Barcoding
- Material Tracking
- Load Tracking
- Bundle Inventory
- Delivery Ticket
- Contract Management
- General Ledger
- Accounts Receivable
- Accounts Payable
- Payroll & Human Resources

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