WHY THIS PROGRAM WAS DEVELOPED

Having completed the programming for the Double Click software, now comes the task of writing some meaningful documentation. Writing a user's manual is not what you would call fun. If you sometimes get bored reading this manual, just imagine how I felt writing it.

Before describing how this program works, I would like to take the time to cover some brief history about estimating and computer systems. This should help you understand how this program was designed for you, the contractor.

HISTORY OF ESTIMATING

Electrical contractors have been asked to give firm quotations for electrical work for as long as I can remember. The standard method of estimating has been to count every piece of material required to complete a project, and list those items on a pricing sheet. Once the contractor has listed all the materials, he would then obtain material costs for each item and list them on his pricing sheets. Next he would assign a labor unit to each material item and list that unit on the pricing sheet. Then, using a calculator or adding machine, he would extend the totals and forward those totals to a recapitulation (recap) sheet where overhead, profit, and other job costs would be entered.

This method of estimating has been the standard of the industry for over sixty (60) years, and is still the most widely used method today.

HOW MANUFACTURERS USE COMPUTERS

In the 1950's and 60's large manufacturers of electrical equipment invested thousands of dollars in computer hardware and software to automate their manufacturing process. Because these computer systems could only deal with numbers, the manufacturers would assign a part number to each and every piece of material.

HOW DISTRIBUTORS USE COMPUTERS

In the 1970's and 80's electrical wholesale houses began installing computers to automate their operations. Because wholesale houses purchased and resold material from many different manufacturers, a universal numbering system was developed. This numbering system assigned a number to each material item, regardless of the manufacturer.

This universal numbering system is of great value to the manufacturers and distributors; however, its value to a contractor is somewhat limited. Let us look at an example of the numbering system. A 4" Square Box with 1/2" KOs, 1 1/2" deep may have as many as 47 different numbers depending on who is the manufacturer. The distributor needs a number for each part so his computer can keep track of inventory and automatically reorder as necessary. The contractor on the other hand could care less who the manufacturer is, and would require only one part number or description in his computer estimating system.

COMPUTERS FOR CONTRACTORS

In the 1970's a new industry was born. This industry was called systems houses. Systems houses were companies that bought computer hardware and wrote custom programs for various industries. These companies would then sell hardware and software packaged together in a turnkey system.

The first turnkey systems were for accounting and payroll. The software was written by accountants and programmers. These turn key systems cost around \$20,000. Today you can buy accounting software for your personal computer for around \$300.

As competition among systems houses increased, their products became more specialized. New systems were developed adding job costing and estimating to the accounting packages. These new features (or modules as they were called) were after thoughts, and were somewhat less than user friendly.

SYSTEMS FOR ELECTRICAL CONTRACTORS

The 1980's saw the introduction of wide spread use of the personal computer. With the reduced cost of computer equipment, new companies emerged that could now address a larger market. Specialized systems were developed for electrical contractors. Many of these systems were put together by former electrical contractors and addressed the needs of the industry.

These new firms would write estimating software, purchase accounting software, and interface these packages with pricing software used by the electrical wholesale industry. They would then package this software with computer hardware and sell it to electrical contractors. These packaged systems sold for around \$16,000.

In a six month period during 1986 I saw fifty-four (54) companies advertising estimating software packages for electrical contractors. In 1995 only six (6) of these companies were still in business. Of the six (6) remaining companies in 1995, only three (3) remain today.

MICROSOFT'S OPERATING SYSTEM (DOS)

The first IBM PC's ran at 5 MZ and used DOS (Disk Operating System) to control how the computer operated. The DOS operating system is a non-graphical system which does not support the use of a mouse. During the late 80's and early 90's electrical estimating programs were written for use in DOS.

WINDOWS

In 1995 Microsoft introduced it's first graphic user interface (GUI) operating system called Windows 95. Since this new operating system supports the use of a mouse, electrical contractors are now demanding estimating programs with graphic user interfaces.

GRAPHIC USER INTERFACE (WINDOWS)

The simplicity of point and click mouse control is a tremendous improvement in the user interface.

IF IT'S NOT BROKEN DON'T FIX IT

Remember when digital wrist watches first came to market. They had a red colored crystal and you had to push a button to activate the LED display. With these new watches, it took two (2) hands to read the time and you better be standing in the shade. Over the years electric wrist watches have improved. Today these watches can be read by using one hand, and the display is back to the tried and proven "little hand - big hand".

Over the past fifty (50) years the standard estimating method of pricing & recap sheets has served our industry well. Therefore, I have been puzzled as to why companies publishing estimating software want to reinvent the wheel. The first time I saw a demonstration of an estimating software package the guy doing the demo said, "Just type in the part number for a 4" Square Box, and presto, up pops the price and labor unit". "That's neat", I said. "But how do I find the number for a 4" Square Box?" He said, "Turn to Section 7 in the user's manual." I turned to Section 7 which contained 154 pages of part numbers. So much for presto.

Most of the estimating programs I have reviewed force the estimator to learn a totally new way of estimating. Additionally, the estimator is forced to read a large user's manual to become familiar with this new way of estimating. Sometimes it's faster to estimate the job by hand, rather than go through all the set up functions in these complex computer programs.

STICKING WITH THE BEST

In the early 1980's I thought to myself, how great it would be if someone would develop an estimating system that did not require the users to learn a new way of thinking. This estimating system would display standard pricing sheets, and the user would enter information in familiar places. The program would instantly perform all extensions, and any single change would be reflected in the final price on the recap sheet.

In 1992 we shipped a DOS estimating program call Estimator 386. Since that time thousands of electrical contractors have used our programs. In 1994 we changed the name of the program to Estimator 2000 and added a 23,000 part database called Pricing & Labor Software and Material List Module.

In April of 1996 we started development of the Windows based Double Click estimating program. Programming in the Windows environment is much more time consuming than programming in DOS. This explains why there are so few Windows based estimating programs. It has been a long road developing this program and we are proud to be shipping this product.

KISS (KEEP IT SIMPLE STUPID)

When I began writing the Double Click program, my goal was to create a simple user friendly program. One that would be easy to use and quick to learn. I did not want to teach the user a new way of estimating; rather, I wanted the computer to display familiar forms that would need little or no explanation.

We designed Double Click to take advantage of the easy use of pulldown menus. Unlike other estimating programs which require the user to scroll through never ending lists of materials with Double Click you simply select material from pulldown menus.

What you see is what you get. In Double Click you can view or work with any form while estimating the cost of the job. When your estimate is printed it looks the same as the display on the screen. This may sound simple, but it is not. Most estimating programs do not offer this feature.

LISTENING TO OUR CUSTOMERS

Customers first started using our estimating software in 1987. Since that time we have offered FREE unlimited telephone support for our products. The word FREE is very important because the only way we can continue to offer FREE support is to write trouble free and simple to use programs. Most other estimating programs charge a yearly support fee.

Double Click incorporates the features and functions of our DOS based programs. The features and functions were developed over 13 years by listening to our customers requests. Our policy is: if enough customers request a program change we will change it.

The three most requested changes from our customers over the past three years are:

- 1. Provide a Windows based version of our software.
- 2. Add additional pricing sheets to the program.
- 3. Include tagging of multiple items when selecting material.
- 4. Provide a tiered bonding rate worksheet.

All of these changes are included with the new Double Click program.

HOW THIS PROGRAM WORKS

Before we get into the actual operation of the estimating program, it is important to understand how the various forms (or worksheets) interface with each other. Below is a list of the worksheets available within this program:

- 1 RECAP SHEET
- 18 PRICING SHEETS
- 2 ASSEMBLY TOTALS SHEETS
- 100 ASSEMBLY MAKE-UP SHEETS
 - 1 BONDING COST WORKSHEET
 - 1 JOB COST WORKSHEET
 - 1 PERMIT CALCULATION SHEET
 - 1 LABOR COST WORKSHEET
 - 1 LIGHTING QUOTES SUMMARY
 - 6 LIGHTING VENDOR SHEETS
 - 1 POWER QUOTES SHEET
 - 8 MISCELLANEOUS QUOTES SHEETS
 - 1 GENERAL INFORMATION SHEET
 - 1 LIST OF BIDS
 - 1 LIST OF EXCLUSIONS
 - 1 SCOPE OF WORK
 - 1 TITLE PAGE
 - 1 PROPOSAL SHEET

Most forms (or worksheets) forward their totals to the recap sheet. Some worksheets forward totals directly to the recap sheet while others do the forwarding indirectly. On the next page is a flow chart graphically illustrating how these worksheets interact.

Please take a few minutes to review the flow chart on the next page before proceeding further.



RECAP SHEET (Quantity 1)

The recap sheet totals the information forwarded from the other worksheets. This is where you input direct job cost, overhead, profit, taxes, etc. You may also choose which pricing and assembly sheets you want to use.

PRICING SHEETS (Quantity 18)

The pricing sheets are where you enter the material description, price and labor units. These pricing sheets are identical to the standard pricing sheets used for over fifty (50) years in our industry. Totals are automatically forwarded to Recap Sheet.

ASSEMBLY TOTALS SHEETS (Quantity 2)

The assembly totals sheets are where you enter the number of assemblies required on a given estimate. If you wish to change an assembly, you must go to the appropriate make-up sheet. Totals are automatically forwarded to Recap Sheet.

MAKE-UP SHEETS (Quantity 100)

The make-up sheet is where you name the assembly and enter the material and labor required for one typical assembly. The total cost of this make-up sheet is forwarded to the appropriate line of the assembly totals sheet.

BONDING COST WORKSHEET (Quantity 1)

This is where you calculate the bonding cost. You may enter a flat percentage or a tiered bonding percentage. Totals are automatically forwarded to Recap Sheet.

JOB COST WORKSHEET (Quantity 1)

This is where you calculate the direct job cost associated with a particular estimate. Totals are automatically forwarded to Recap Sheet.

PERMIT CALCULATION SHEET (Quantity 1)

This is where you calculate the permit cost associated with a particular estimate. Totals are automatically forwarded to Job Cost Worksheet.

LABOR COST WORKSHEET (Quantity 1)

This is where you calculate your average labor rate. Totals are automatically forwarded to Recap Sheet.

LIGHTING QUOTES SUMMARY (Quantity 1)

This is where the summary of lighting quotes is displayed. The total price for each vendor appears on this sheet, and the lowest vender price is forwarded to the recap sheet.

LIGHTING VENDOR SHEETS (Quantity 6)

This is where you enter the price quoted for each type of fixture. Totals are automatically forwarded to Lighting Quotes Summary.

POWER QUOTES SHEET (Quantity 1)

This is where you enter the lump sum quote from each power vendor. Totals are automatically forwarded to Recap Sheet.

MISCELLANEOUS QUOTES SHEETS (Quantity 8)

This is where you enter lump sum quotes for various items. Totals are automatically forwarded to Recap Sheet.

<u>GENERAL INFORMATION SHEET</u> (Quantity 1)

This is where you enter the name of the architect and engineer. You may also list the bid documents you have used for preparing your bid. This sheet does not forward information.

LIST OF BIDS (Quantity 1)

Here you list the bids you have given to various contractors. This sheet does not forward information.

LIST OF EXCLUSIONS (Quantity 1)

Here you list any exclusion to your bid. This sheet does not forward information.

SCOPE OF WORK (Quantity 1)

Here you list the scope of work included in your estimate. This sheet does not forward information.

TITLE PAGE (Quantity 1)

This is a blank page you may use for a cover page to your estimate. This sheet does not forward information.

PROPOSAL SHEET (Quantity 1)

This is a page you may use for a proposal page. This sheet does not forward information.

LOADING INSTRUCTION

It is important to understand that the installation of Double Click will create the following folders on your C: drive:

C:\EST C:\PL C:\MAT C:\TPRICE C:\UPRICE

These folders must be installed on your C: drive for the proper operation of Double Click.

NOTE: IF YOU ALREADY HAVE FOLDERS BY THESE NAMES YOU MUST RENAME YOUR EXISTING FOLDERS.

- 1. Insert the CD in your CD Drive
- 2. After a few seconds the installation program will start.
- 3. Follow the instructions to complete your installation.
- 4. After installation is complete Click OK.

The installation program will place three (3) shortcuts on your desktop.



The EST shortcut will start the Estimating Program The PL shortcut will start the Pricing & Labor Software The MAT shortcut will start the Material List Module

These shortcuts will also be placed in the START/PROGRAMS menu.

💼 DOUBLE CLICK 🔹 🕨	Shortcut to PL.EXE
	Shortcut to EST.EXE
	Shortcut to MAT.EXE

GETTING AROUND

The quickest way to learn this program is to review the sample estimate included with this program. This estimate has been completed and therefore will not require any user input. The sole purpose of this sample exercise is to help you become familiar with the program flow.

- STEP 1. Remove the Flow Chart from the front pocket of your user's manual and place it next to your computer.
- STEP 2. Double click on the EST icon located on the desktop. This will start your estimating program. The program automatically loads the default file EST.BWB at start up. When you receive your program this file is blank.

Program/File loading times:	Pentium I - 133 MHZ = 68 seconds
	Pentium II - 300 MHZ = 42 seconds

- STEP 3. Using the mouse, go to the FILE menu and select CLOSE. You will be asked if you wish to save changes in EST.BWB click NO.
- STEP 4. Using the mouse, go to the FILE menu and select OPEN. You will be asked to select a file. Double click on SAMPLE.BWB. This will open the sample file. Once the sample file is open, the recap portion of the file appears on the screen.

DOUBLE CL	ICK - Electrical Estimating - [SAMPLE.BWB]			
📰 File Edit F	lecap Assembly Sheets Pricing Sheets Quotes	Other Print Pricing Menu		_ B ×
C:\EST\SAMF	LE.BWB	RECAP SHEET		VERSION 1.0A
JOB NAME	SAMPLE		DATE	9–15–98
EST BY:	PAUL		EST#	123
SHEET	×		MATERIAL	LABOR HRS.
A1 X	ASSEMBLIES #1-50		\$2,819.28	212.13
A2 X	ASSEMBLIES #50-100		\$838.61	104.04
1 X	BRANCH CIRCUIT POWER		\$1,225.09	144.73
2 X	BRANCH CIRCUIT LIGHTING		\$653.73	85.53
3 X	BRANCH CIRCUIT SITE LIGHTING		\$170.73	17.50
4 X	FEDDER CONDUITS		\$2,835.47	41.48
5		NOT USED		
6		NOT USED		
7		NOT USED		
8		NOT USED		
9		NOT USED		
10		NOT USED		
11		NOT USED		
12		NOT USED		
13		NOT USED		
14		NOT USED		
15		NOT USED		
16		NOT USED		
17		NOT USED		
18		NOT USED		
	MISC. MATERIAL & LABOR		\$300.00	24.00
	FRICING SHEET MATERIAL TUTALS		₽0,042.89	
OUOTATIONS				
LIGHTING	LIGHTING OUOTATION SUMMARY		\$1 328 70	30.00
POWER	POVER		\$1.075.00	24 00
OUOTE #1			,	
QUOTE #2				
QUOTE #3				
•				
READY 9/7/9	8 11:23 AM P			

STEP 5. You are now looking at the top portion of the Recap Sheet. Pick up the flow chart and observe how the different sheets report to the Recap Sheet. The top portion of the Recap Sheet receives information from Assembly Totals #1 and #2 and from Pricing Sheets #1 - #18. In this Sample Estimate we have used both Assembly Pricing and Material Line Item methods of estimating. Most estimates will use one estimating method, however, you may on occasion want to use both methods.

The first line of our Recap displays the Material and Labor totals forwarded from Assembly Totals #1 - #50.

STEP 6. We are now going to access the Assembly totals #1 - #50.

There are several ways to navigate in Double Click.

Method #1 - Use the pulldown menu to select worksheet.



Method #2 - Double click on the red A1

E DOUBLE	CLICK - Elec	ctrical Estima	ting - [SAMPL	E.BWB]					
🔲 File Edi	: Recap As:	sembly Sheets	Pricing Sheets	Quotes	Other	Print	Pricing Mer	u	
C:\EST\Si	AMPLE.BWB				RECAP	SHE	EΤ		
JOB NAME	SAMPLE	3							
EST BY:	PAUL								
SHEET								MATER	!I.
A1	X ASSEME	BLIES #1-	50					\$2,819	
A2	X ASSEME	BLIES #50	-100					L 000	
1	X BRANCH	H CIRCUIT	POWER					Doub	le click on A1
2	X BRANCH	H CIRCUIT	LIGHTING					Hot B	utton
3	X BRANCH	H CIRCUIT	SITE LIGH	TING					
4	X FEDDER	R CONDUITS	3					\$2,835	
5						NOT	USED		
0						NOT	UCED		

NOTE: Anytime you see a Hot Button (red text) on the screen you may double click on the red text to activate that worksheet.

Method #3 - You may also use one of the Quick Keys. In this case hold down the CTRL key while pressing the A key.

For a complete list of CTRL keys see the Quick Keys card in the back of your binder.

After selecting Assemblies 1-50 your screen will display the assembly information. There are a total of 50 assembly items on this worksheet. To display the lower portion of the sheet press the pagedown key or use the scroll bar.

DO	UBLE CLICK - Electrica	al Estimating - [SAMPLE.BW	B]				1 ×
📰 File	e Edit Recap Assembl	y Sheets Pricing Sheets Quote	es Other Print Pricing Men	าน		_ 8	Ι×
RECAR	2	ASSEMBLY	PRICE SHEET #1	DAT	Έ	9-15-98	
JOB 1	NAME	SAMPLE		EST	. #	123	
ASSER	MBLIES 1-50			EST	. BY	PAUL	
ŧ	ITEM	QTY	M/PRICE	M⁄EXT	L/UNIT	L⁄EXT	
(1)	SW 1G 1-1P	1	\$9.50 E	\$9.50	1.33 E	1.33	
\mathbf{Z}	SW 1G 1−3W	2	\$12.28 E	\$24.57	1.56 E	3.12	
3	SW 1G 1-4W	3	\$22.72 E	\$68.15	1.69 E	5.08	
4	`		E		E		
5	\S₩ 2G 2-1P	4	\$13.56 E	\$54.26	1.76 E	7.03	
6	₩ 2G 1-1P 1-3W	7 5	\$16.40 E	\$82.02	2.01 E	10.05	
7	SW 2G 1-1P 1-4W	7 6	\$26.89 E	\$161.35	2.17 E	13.03	
8	SW\2G 2-3W	7	\$18.24 E	\$127.67	2.14 E	15.01	
9	SW XG 1-3W 1-4W	/ 8	\$32.26 E	\$258.05	2.43 E	19.40	
10			E		E		
11	SW 3G 3-1P	9	\$29.18 E	\$262.65	2.08 E	18.73	
12	SW 3G 2-1P 1-3W	10	\$32.02 E	\$320.24	2.33 E	23.33	
13	SW 3G 1-1P 2-3W	11	\$38.14 E	\$419.54	2.65 E	29.16	
14	SW 3G 2-19 1-4W	12	\$42.51 E	\$510.14	2.50 E	29.94	
15	SW 3G 3-3W	13	\$40.09 E	\$521.13	2.84 E	36.91	
16	$\langle \rangle$		Ł		E		
17			E		E		
18	\		Ł				
19		Accomply Price Sh	oot #1 in now displ	aved The fire	t E		
20		Assembly Flice Sli	eet #1 III IIOW uispi	ayeu. The his			
21		assembly IS a I-ya	Chaot #1 double of	iak on the #1	E		
22		assembly makeup	Sileet #1 double Cl	ick on the #1	E E		
23	L		F				
25			E		л Э		
26			л Т		ц Т		
			-				J-
	0/7/00 4/40 DM	D					
LEEAD.	Y 9/7/98 11:16 PM	P					

STEP 7. Double click on #1 to display MakeUp #1

DOU	JBLE CLICK - Electrical Estimation	ng - [SAMPLE.BW	/B]				-	
🔲 File	Edit Conduit Fittings Hangers	Fasteners Boxes	Wireway Wire	Devices	Power Defa	ults Main Menu	_	8 ×
ASSEM	BLY SHEET	ASSEMBLY	MAKEUP SH	EET #1		DATE	9-15-98	
DESCR	IPTION	SV 1G 1-	-1P			EST. BY	PAUL	Н
#	ITEM	QTY	M/PRIC	Έ	M⁄EX	T L/UNIT	L/EXT	
1	EMT 1/2"	17	\$23.7	'7 C	\$4	04 2.92	0.50	
2	EMT COUP SS DC 1/2"	1	\$22.6	3 C	\$0.	23 4.50	0.04	
3	EMT CONN SS DC 1/2"	2	\$21.3	10 C	\$0.	43 4.50	0.09	
4	EMT STRAP 1H 1/2"	3	\$12.9	0 C	\$0.	39 4.50	0.14	
5	SQ4 1.5D 1/2" KO	1	\$103.9	17 C	\$1	04 22.50	0.23	
6	SQ4-RING 1G RAISE 1/2"	1	\$60.1	.7 C	\$0.	60 4.50	0.04	
7	SW 1P 20A IV CS120-2I	1	\$162.9	16 C	\$1	63 18.00 (0.18	
8	PLATE SWITCH 1G IV	1	\$20.0	14 C	\$0.	20 2.70	0.03	
9	THHN CU SOLID #12	20	\$47.4	.3 M	\$0.	95 4.50 1	1 0.09	
10				E		1	Ξ	
11				E		1	Ξ	
12				E			Ξ	
13				E			5	
14							5	
15	NOTE: The total r	naterial cost	and labor	E			5	
16	are forwarded to a	Assembly Pri	ice Sheet	\sim			1	
17	#1 as shown aboy	ve.					5	
18							1	
19				X			1	
20				<u>г</u> _	< l>		2	
CUDTO	T 1 T				<u> </u>		1.22	
WUITTI	IAL DITED (DEEXHIT-1)			v	23	50	1.33	
ACCEM	PLIER (DEFROLI-I)			^			A	
ACCEM	DLI IUIAL				(33		1.33	ノ
		_	_		_			- -
								∎₹
READY	9/7/98 2:27 PM P							

STEP 8. You may access any sheet at any time. Let us return to the Recap Sheet by using the CTRL + R keys.

	DOUBLE	CLI	CK - Electrical Estin	nating - [SAMPL	E.BWB]							X
_	File Edi	t Re	cap Assembly Sheet	s Pricing Sheets	Quotes	Other	Print	Pricing Menu			_ 8	×
C :	NESTNS.	AMPI	E.BWB			RECAF	SHE	ET			VERSION 1.0A	
JO	B NAME		SAMPLE							DATE	9-15-98	
ES	T BY:		PAUL							EST#	123	
SH	EET								MATERIAL		LABOR HRS.	
A1		X	ASSEMBLIES #1	-50					\$2,819.28		212.13	
<u>A2</u>		X	ASSEMBLIES #5)—100					\$838.61		104.04	
$\left(1\right)$)	X	BRANCH CIRCUI	Γ POWER					\$1,225.09		144.73	
~	<	X	BRANCH CIRCUI	LIGHTING					\$653.73		85.53	
3	\mathbf{X}	X	BRANCH CIRCUI	r site ligh	TING				\$170.73		17.50	
4		X	FEDDER CONDUI	rs					\$2,835.47		41.48	
5							NOT	USED				
6							NOT	USED				
7)	\					NOT	USED				
8		\mathbf{X}					NOT	USED				
		\sim										
)	\ \									
			\backslash									

STEP 9. The program has 18 Pricing Sheets per estimate and the Sample Estimate uses Pricing Sheets #1 - #4. To access a Pricing Sheet #1 double click on the pricing sheet number.



STEP 10. Once the pricing sheet is displayed, you may review the sample material items. The totals at the bottom of the pricing sheets are automatically forwarded to the Recap Sheet.



STEP 11. Now we are going to return to the recap sheet. We want to go to the quotes portion of the recap sheet. Hold the CTRL key down and press D.

DOUB	BLE C	LICK -	Electrical Estima	ating - [SAMPL	E.BWB]							X
🔲 File	Edit	Recap	Assembly Sheets	Pricing Sheets	Quotes	Other	Print	Pricing Menu			_ 8	' ×
QUOTAT	IO/NS	6										
LIGHTI	NG	LIG	HTING QUOTA	TION SUMMAN	RY				\$1,328.70	30	00	
POWER		POW	ER						\$1,075.00	24	00	
QUOTE -	#1											
QUOTE	#2											
QUOTE	#3											
QUOTE -	#4											
QUOTE	#5											н
QUOTE	#6											н
QUOTE -	#7											
QUOTE -	#8											
		QUC	TED MATERIA	L COST					\$2,403.70			

STEP 12. Now displayed is the middle portion of the Recap Sheet. This area of the recap lists the quotations. Let us access the Lighting Quotation Summary by double clicking on the Lighting (Hot Button).

DOUBLE CLICK - E	Electrical Estimating - [S	MPLE.BWB]			_ 🗆 ×
📃 File Edit Recap	Assembly Sheets Pricing S	eets Quotes Other	Print Pricing Menu		_ 8 ×
LIGHTING QUQTAT:	ION SUMMARY		JOB NAME	SAMPLE	
RECAP	VENDOR NAME				PRICE
VENDOR #1	ABC SUPPLY			\$1	,378.22
VENDOR #2	LOW BID SUPP	Υ		\$1	, 328.70
VENDOR #3					
VENDOR #4	There	are two (2) lig	phting quotations	shown. The second	
VENDOR #5	quota	atically forwar	Bid Supply is the ded to the Recap	Sheet.	
VENDOR #6					
LOWEST PRICE FOR	RWARDED TO RECA	2		\$1	, 328.70

STEP 13. To view a breakdown of the Low Bid Supply double click on Vendor #2.

1111 D	OUBLE	CLICK - I	lectri	ical Estima	ting -	[SAMPL	E.BWB]								
	File Edit	Recap	Assem	nbly Sheets	Pricing	g Sheets	Quotes	Other	Print	Pricing Men	u				
LIG	HTING	FIXTUR	E QU	OTATION	FROM	f – VE	NDOR #	2	JO	B NAME	SAM	PLE			. 🔺
VEN	IDOR	LOW	BID	SUPPLY						TIME	11:	30AM			
CON	TACT	TEX								DATE	9-4	-98			
PHO	NE	986-	-5650	5						FAX	986	-5551			
	TYPE	: Q	TY.	PRICE	EA.		E	XT.		TYPE	Ģ	PTY.	PRICE	EÀ.	EXT.
1	A		10	\$44	1.10		\$441	. 00	19						
2	В		2	\$91	25		\$182	.50	20						
3	С		1	\$26	5.00		\$26	. 00	21						
4	D		6	\$78	3.30		\$469	. 80	22						
5	E		3	\$69	9.80		\$209	. 40	23						
6									24						
7									25						
8									26						
9			<u>.</u> .						,			1			
10			Disp	played is	s the	e cost	break	dowr	tor	this quo	te.				
11			Ine	price is	aut	omati	cally 1	orwa	rded	to the					
12			Ligr	nting Qu	otat	ion St	imma	ry.							
13									31			' /	<		
15									32				\sim		
15									33						
10									34						
10									35					``	
18									36						
VEN	IDOR TO	TAL FO	RVAR	ded to i	.IGH7	TING Q	ITATOU	ON >>	· >	SUMMARY					\$1,328.70

DO	UBLE	CLICK - Electric	al Estima	ting - [S	SAMPLE	E.BWB]				_ 🗆 ×
🔳 Fik	e Edit	Recap Assemb	ily Sheets	Pricing S	Sheets	Quotes Other	Print Pricing Menu			_ 8 ×
LIGH	FING	FIXTURE QUO	TATION	FROM	- VEI	Lighting 🕨	JOB NAME	SAMPLE		
VENDO	DR	LOW BID 9	SUPPLY			Power 🔪	TIME	11:30AM		-
CONT	ACT	TEX				Quote 1 🔪	DATE	9-4-98		
PHONE	Ξ	986-5656				Quote 2	FAX	986-5551		
	TYPE	QTY.	PRICE	EA.		Quote 3	TYPE	QTY. PRICE EA.		EXT.
1	A	10	\$44	1.10		Quote 4	19			
2	В	2	\$91	25		Quote 5	20		_	
3	С	1	\$26	5.00		Quote 6	21	Select Quotes and I	Power	
4	D	6	\$78	3.30		Quote /	22	from pulldown menu		
5	Е	3	\$69	9.80	_	Quote 8	23			
6							24			
7							25			

STEP 14. Rather than returning to the Recap Sheet lets jump to Power Quotations. Using the mouse, select Quotes and Power from the pulldown menu.

DOUBLE CLICK - Electrical	Estimating - [SAMPLE.BWB]				_ 🗆 ×
🔄 File Edit Recap Assembly S	Sheets Pricing Sheets Quotes	Other Print Pricing Me	enu		_ 8 ×
POWER QUOTATIONS		JOB NAME	SAMPLE		H
DECLD.					H
VENDOR	CONTACT	PHONE	DATEZTIME	DDICE	
VENDOR	CONTACT	FHOME	DHIEFIINE	FRICE	
ABC SUPPLY	TED	988-6265	9-1-98 11AM	\$1,256.00	
WEST COAST POWER	PAUL	981-2563	9-2-98 1PM	\$1,075.00	
			/		
	There are two (2) p	ower quotations	shown The secon	bd	
	quotation from Wes	t Coast Power is	the lowest quote	and	
	is automatically for	warded to the Re	ecap Sheet.		
L					
				<u></u>	
LOWEST	OUOTE EORUARDED TO	PECAP		\$1.075.00	
LOWEST	QUOIE FORWARDED IO	RECHT		91,0/3.00	
					-
					₽
READY 9/8/98 9:06 AM P					

STEP 15. From the pulldown menu select Recap Bottom or use the CTRL + S keys.

DOUBLE (LICK - Electrical Estimating - [SAMPLE.	BWB]		
📰 File Edit	Recap Assembly Sheets Pricing Sheets Q	uotes Other Print)	Pricing Menu	
POWER QUO'	Recap Top Ctrl+R Recap Middle Ctrl+D Recap Bottom Ctrl+S	JOB NAME	SAMPLE	
VENDOR	CONTACT	PHONE	DATE/TIME	PRICE
		S	elect Recap Bottom rom pulldown menu.	

The lower portion of the Recap Sheet is now displayed.

DOUBLE CLICK - Electrical Estin	nating - [SAMPLE.BWB]				_ 🗆 ×
🔲 File Edit Recap Assembly Sheet	s Pricing Sheets Quotes (Other Print Pricing	g Menu		_ 8 ×
OVERHEAD SUMMARY LABOR % 15 MATERIAL % 15 QUOTES % 8 JOB COST % 10 OVERHEAD PROFIT LABOR MATERI ACCESS this works OUDTES	\$4,126.00 \$1,326.43 \$192.30 \$233.50 \$5,878 Z4 abor to .00 .29 .19	TOTAL LABO LABOR RATE SUBTOTAL E SUBTOTAL E S % LABOR COST MATERIAL C QUOTES JOB COST FRIME COST OVERHEAD NET COST	R HOURS ABOR COST OF LOST TIME OST		683.40 \$38.33 \$26,195.86 \$1,309.84 \$27,506.70 \$8,842.89 \$2,403.70 \$2,335.00 \$41,088.29 \$41,088.29 \$41,088.53 \$46,53
JOB COST % 5 PROFIT SALES TAX SUMMARY LABOR %	\$116.75 \$5,247.23	PROFIT SALES TAX	forwarded h Labor Rate	ere from the Worksheet.	\$5,247.23 \$674.80
MATERIAL % 6	\$530.57				
QUOTES % 6 JOB COST %	\$144.22	SUBTOTAL BOND			\$52,888.55 \$1,432.77
SALES TAX	\$674.80	SELLING PR	ICE		\$54,321.32
GENERAL BIDS PRINT MANAGER	EXCLUSIONS ASSEMBLY MANAGER	SCOPE	TITLE	PROPOSAL	

STEP 16. Double click on the Labor (Hot Button).

DOUBLE CLICK - E	lectrical Estimating ·	[SAMPLE.BWB]						_ 🗆 ×
🔲 File Edit Recap .	Assembly Sheets Pricir	ng Sheets - Quotes	Other	Print F	Pricing Menu			_ 8 ×
LARBOR RATE WORK	SHEET	JOB NAME	SAMPI	Ε				
RECAP								н
ENTER PRO	DJECT DURATION	IN CALENDAR	DAYS			40		
ENTER NUM	MBER OF WORK DA	YS PER WEEK				5		
ENTER NUM	MBER OF WORK HO	URS PER WORK	DAY			8		
MANHOURS	FORWARDED FROM	RECAP			683	. 40		
WORK DAYS	5 PROJECT DURAT	ION			28	. 57		
TOTAL MAN	NDAYS				85	. 42		
AVERAGE C	CREW SIZE REQUI	RED			2	. 99		
NUMBER I	DESCRIPTION			RATH	E EXTENS	ION		
1 3	JOURNEYMAN		\$	40.00	\$40	. 00		
1 H	FOREMAN		\$	50.00	\$50	. 00		
1 H	HELPER		\$	25.00	\$25	.00		- LL
							This Labor Rate has	
							been forwarded to	
							the Recap Sheet.	
3 1	MAN CREW							
							4	
AVERAGE I	LABOR RATE FORW	ARDED TO >>	RECAP		\$38	. 33		

STEP 17. Return to the Recap Sheet by double clicking on the Recap (Hot Button).

DOUBLE CLICK - Electrical Estin	nating - [SAMPLE.BWB]				_ 🗆 ×
🔲 📰 File Edit Recap Assembly Sheet:	s Pricing Sheets Quotes	Other Print Pricing	g Menu		_ 8 ×
OVERHEAD SUMMARY		TOTAL LABO	R HOURS		683.40
LABOR % 15	\$4,126.00	LABOR RATE		x	\$38.33
MATERIAL % 15	\$1,326.43	SUBTOTAL L	ABOR COST		\$26,196.86
QUOTES % 8	\$192.30	5 %	OF LOST TIME		\$1,309.84
JOB COST % 10	\$233.50	LABOR COST			\$27,506.70
OVERHEAD	\$5,878.24	MATERIAL C	OST		\$8,842.89
		OHOTES			\$2,403.70
PROFIT SUMMARY		C JOB COST	\mathcal{I}		<u>\$2,335.00</u>
LABOR % 15	\$4,126.00	PRIME COST			\$41,088.29
MATERIAL % 10	\$884.29	OVERHEAD			\$5,878.24
QUOTES % 5	\$120.19	NET COST		/	\$46,966.53
JOB COST % 5	\$116.75	PROFIT			\$5,247.23
PROFI		SALES IAX			\$674.80
Double click on Jo	b Cost				
TAROP to access this wor	ksheet				
WATED	57				
OUDTES 2 6	\$144.22	SUBTOTAT	The Job Cos	t has been	\$52,888,55
JOB COST %	\$144.22	BOND	forwarded he	ere from the	\$1 432 77
SALES TAX	\$674.80	SELLING P	Labor Rate V	Vorksheet.	\$54 321 32
	\$5, 1.00	CDDD100 1			101,021.02
GENERAL BIDS	EXCLUSIONS	SCOPE	TITLE	PROPOSAL	·
PRINT MANAGER	ASSEMBLY MANAGER				

STEP 18. Double click on the Job Cost (Hot Button).



STEP 19. Double click on the Permit Fee (Hot Button).

DOUBLE CLICK - Electrical Estimating - [SAMPL	E.BWB]						_ 🗆 ×
🔲 File Edit Recap Assembly Sheets Pricing Sheets	Quotes O	ther	Print	Pricing Menu			_ 8 ×
PERMIT COST CALCULATION							<u> </u>
JOB NAME SAMPLE							
JOB COST							
DESCRIPTION	Q	2TY.	CC	ST/EACH		EXTENSION	
LOT PRICE		1		\$450.00		\$450.00	
						7	
			ר	This Perr	nit Fee has been		
			f	orwarde	d to the Job Cost		
			\	Norkshe	et.	k	
						7	
PERMIT TOTAL FORWARI	DED TO >	>>	JOB	COST		\$450.00	

STEP 20. From the pulldown menu select Recap Bottom or use the CTRL + S keys.





STEP 21. Double click on the Bond (Hot Button).



STEP 22. Double click on the Recap (Hot Button).

DOUBLE CLICK - Electrical Estim	ating - [SAMPLE.BWB]			
📰 File Edit Recap Assembly Sheets	Pricing Sheets Quotes C	Other Print Pricing Menu		_ 8
OVERHEAD SUMMARY LABOR % 15 MATERIAL % 15 QUOTES % 8 JOB COST % 10 OVERHEAD	\$4,126.00 \$1,326.43 \$192.30 \$233.50 \$5,878.24	TOTAL LABOR HOURS LABOR RATE SUBTOTAL LABOR COST 5 % OF LOST TIME LABOR COST MATERIAL COST QUOTES	×	683.40 \$38.33 \$26,196.86 \$1,309.84 \$27,506.70 \$8,842.89 \$2,403.70
PROFIT SUMMARY LABOR % 15 MATERIAL % 10 QUOTES % 5 JOB COST % 5 PROFIT	\$4,126.00 \$884.29 \$120.19 <u>\$116.75</u> \$5,247.23	JOB COST PRIME COST OVERHEAD NET COST PROFIT SALES TAX	_	\$2,335.00 \$41,088.29 \$5,878.24 \$46,966.53 \$5,247.23 \$674.80
SALES TAX SUMMARY LABOR % MATERIAL % 6 QUOTES % 6 JOB COST % SALES TAX	\$530.57 \$144.22 \$674.80	SUBTOTAL BOND SELLING PRICE		\$52,888.55 \$1,432.77 \$54,321.32
GENERAL BIDS	EXCLUSIONS	SCOPE TITLE	PROPOSAL	
PRINT MANAGER	ASSEMBLY MANAGER			

STEP 23. There are six (6) unlinked worksheets in the program; General, Bids, Exclusions, Scope, Title, and Proposal. If you wish you may visit these worksheets before proceeding. These worksheets are blank in the sample estimate. To display the worksheets simply double click on the Hot Buttons.



STEP 24. Double click on the Print Manager (Hot Button).



The sample estimate will print 15 worksheets.

STEP 25. OPTIONAL STEP - If you wish to print the sample estimate on your printer select Print and Start Printing from the pulldown menu.

DO	UBLE CLICK - Electrical Estimating - [SAMP	LE.BWB]				_ 🗆 🗡
🔲 Fi	le Edit Recap Assembly Sheets Pricing Sheets	Quotes O	ther Pr	int Pricing Menu		_ 8 ×
PR	RINT MANAGER			Print Manager Start Printing	ICAP	
X X	RECAP SHEET X I ASSEMBLY SHEET #1 X I	.IGHTING .IGHTING	SOM VEN	MakeUp Manager Start Printing MakeUps	BOR RATE WORKSHEET B COST WORKSHEET	
X	OPTIONAL STEP Select Print and Start Printing from the pulldown menu.	SHTING SHTING	VEN DO VENDO	R #2 X PI R #3 X B0	ERMIT COST WORKSHEET ONDING COST WORKSHEET	

NOTE: If you choose not to print the sample estimate, a sample printout is included in Section 5 of this manual.

STEP 26. Select MakeUp Manager from the pulldown menu.



DOUBLE CLICK - Electric	cal Estimating - [SAMPL	E.BWB]			_ 🗆 ×
🔲 File Edit Recap Asseml	bly Sheets Pricing Sheets	Quotes Other Print Pricing M	lenu		_ 8 ×
ASSEMBLY MAKEUP PH	RINT MANAGER		RECAP		
					н
X MAKEUP #1	MAKEUP #21	MAKEUP #41	MAKEUP #61	MAKEUP #81	
X MAKEUP #2	MAKEUP #22	MAKEUP #42	MAKEUP #62	MAKEUP #82	
X MAKEUP #3	MAKEUP #23	MAKEUP #43	MAKEUP #63	MAKEUP #83	
MAKEUP #4	MAKEUP #24	MAKEUP #44	MAKEUP #64	MAKEUP #84	
X MAKEUP #5	MAKEUP #25	MAKEUP #45	MAKEUP #65	MAKEUP #85	
X MAKEUP #6	MAKEUP #26	MAKEUP #46	MAKEUP #66	MAKEUP #86	
X MAKEUP #7	MAKEUP #27	MAKEUP #47	MAKEUP #67	MAKEUP #87	
X MAKEUP #8	MAKEUP #28	MAKEUP #48	MAKEUP #68	MAKEUP #88	
X MAKEUP #9	MAKEUP #29	MAKEUP #49	MAKEUP #69	MAKEUP #89	
MAKEUP #10	MAKEUP #30	MAKEUP #50	MAKEUP #70	MAKEUP #90	
X MAKEUP #11	MAKEUP #31	X MAKEUP #51	MAKEUP #71	MAKEUP #91	
X MAKEUP #12	MAKEUP #32	X MAKEUP #52	MAKEUP #72	MAKEUP #92	
X MAKEUP #13	MAKEUP #33	X MAKEUP #53	MAKEUP #73	MAKEUP #93	
X MAKEUP #14	MAKEUP #34	X MAKEUP #54	MAKEUP #74	MAKEUP #94	
X MAKEUP #15	MAKEUP #35	MAKEUP #55	MAKEUP #75	MAKEUP #95	
MAKEUP #16	MAKEUP #36	MAKEUP #56	MAKEUP #76	MAKEUP #96	
MAKEUP #17	MAKEUP #37	MAKEUP #57	MAKEUP #77	MAKEUP #97	
MAKEUP #18	MAKEUP #38	MAKE			1
MAKEUP #19	MAKEUP #39	MAKE X's indica	ate which sheets p	rogram will print.	
MAKEUP #20	MAKEUP #40	MAKE			
NOTE: PRINTING	G TAKES 20-60 SEC	ONDS PER PAGE. PRINTI	NG ALLSHEETS TAKES	5 30-90 MIN.	
<u> </u>					
READY 9/8/98 1:20 PM	1 P CALC				

The sample estimate will print 17 Assembly MakeUp Sheets.

STEP 25. OPTIONAL STEP - If you wish to print the Assembly MakeUp Sheets from the sample estimate on your printer, select Print and Start Printing MakeUps from the pulldown menu.

DO	UBLE CLICK - Electrical Estimating - [SAMPLI	E.BWB)						_ 🗆 ×
🔲 Fi	e Edit Recap Assembly Sheets Pricing Sheets	Quotes	Other	Print Pricing N	1enu			_ 8 ×
AS	SEMBLY MAKEUP PRINT MANAGER			Print Manag Start Printin	ger g			É
X	MAKEUP #1 MAKEUP #21 MAKEUP #2 MAKEUP #22		MAKEU MAKEU	MakeUp M	anager g MakeUps	#61 #62	MAKEUP #81 MAKEUP #82	
X X	OPTIONAL STEP Select Print and Start Printing MakeUps from the pulldown me	enu.	IAKEUH IAKEUH	2 #43 2 #44 2 #45	MAKEUP MAKEUP MAKEUP	#63 #64 #65	MAKEUP #83 MAKEUP #84 MAKEUP #85	

NOTE: If you choose not to print the Assembly MakeUp Sheets from the sample estimate, a sample printout is included in Section 5 of this manual.

Recap Sheet

TOB NAME	CAMDLE				T	ነለምም	9-15-99
CT DV.	DAU				1	2004	105
eupem	EROL				MADEDTAT	2014	13DOD UDC
5H661	V ACCOMPLETE A				MAIERIAL		DADOK HKS.
AT	X ASSEMBLIES #.	1-50			\$2,819.28		212.1.
AZ	X ASSEMBLIES #:	50-100			\$838.61		104.04
1	X BRANCH CIRCU	IT POWER			\$1,225.09		144.73
2 .	X BRANCH CIRCU	IT LIGHTING			\$653.73		85.53
3	X BRANCH CIRCU	IT SITE LIGHTING			\$170.73	,	17.5
4	X FEDDER CONDU	ITS			\$2,835.47		41.4
5			NOT U	SED			
6			NOT U	SED			
7			NOT U	SED			
8			NOT U	SED			
9			NOT U	SED			
10			NOT U	GED			
11			NOT	GED			
10			NOT U	SED			
12			NOT U	SED			
13			NOT U	SED			
14			NOT U	SED			
15			NOT U	SED			
16			NOT U	SED			
17			NOT U	SED			
18			NOT U	SED			
	MISC. MATERIA	AL & LABOR			\$300.00		24.0
	PRICING SHEE	r material totals			\$8,842.89		
OTIOTATITONS							
QUOTATIONS	I TOURTHO OUO	DARTON CURRENTS			61 200 70		20.0
LIGHTING	LIGHTING QUU	TATION SUMMARY			\$1,328.70		30.0
POWER	POWER				\$1,075.00		24.0
QUOTE #1							
QUOTE #2							
QUOTE #3							
QUOTE #4							
QUOTE #5							
QUOTE #6							
OUOTE #7							
OUOTE #8							
20012	OLOTED MATER	TAL COST			\$2,403,70		
	200100 111101				01,100,110		
OURDURND O	TIMMADV		ምርንም እ.ፐ.	LABOR	HOUDS	-	683 4
UVERNEAD 2	OMMARI 2 F	A 10C 00	LADOD	DADD	HOOKS		- CUU
LABOR	5 15	\$4,126.00	LABOR	RATE		х.	\$30.3
MATERIAL '	5 15	\$1,326.43	SUBTO	TAL LA	BOR COST		\$26,196.8
QUOTES	t 8	\$192.30		58	OF LOST TIME		\$1,309.8
JOB COST	b 10	\$233.50	LABOR	COST			\$27,506.7
OVERHEAD		\$5,878.24	MATER	IAL CO	ST		\$8,842.8
			QUOTE	S			\$2,403.7
PROFIT SUN	IMARY		JOB C	OST			\$2,335.0
LABOR	15	\$4,126.00	PRIME	COST			\$41,088.2
MATERIAL	10	\$884.29	OVERH	EAD			\$5,878.2
OUOTES	š 5	\$120.19	NET C	OST			\$46,966.5
JOB COST	* 5	\$116 75	PROFT	 ጥ			\$5.247 2
PROFIT		\$5 247 23	CALEC	TAY			\$674 8
LUOLTI		93,441.43	SALES	100			\$0,4.0
a	01000 DV						
SALES TAX	SUMMARY						
LABOR	6						
MATERIAL	* 6	\$530.57					
QUOTES	8 6	\$144.22	SUBTO	TAL			\$52,888.5
TOB COST	8		BOND				\$1,432.7
000 0001							

Assembly Price Sheet #1

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JOB	NAME		SAMPLE	PRICE SHEET #1	EST	#	9-1J- 1
ASS:	EMBLIES 1-50				EST	. BY	PA
#	ITEM		QTY	M/PRICE	M/EXT	L/UNIT	L/E
1	SW 1G 1-1P		1	\$9.50E	\$9.50	1.33 E	1.
2	SW 1G 1-3W		2	\$12.28E	\$24.57	1.56E	3.
3	SW 1G 1-4W		. 3	\$22.72E	\$68.15	1.69E	5.
Л				F		F	
-1 C	CW 20 2 1D			410 ECT	CE1 26	1 76 2	7
с. С.	SW 2G 2-1P		4	\$13.30E	\$54.20	1.70E	/.
6	SW 2G 1-1P 1-3	W	5	\$16.40E	\$82.02	2.01E	10.
7	SW 2G 1-1P 1-4	W	6	\$26.89E	\$161.35	2.17E	13.
8	SW 2G 2-3W		7	\$18.24E	\$127.67	2.14E	15.
9	SW 2G 1-3W 1-4	W .	8	\$32.26E	\$258.05	2.43E	19.
10				Е		Е	
11	SW 3G 3-1P		·	\$29 18E	\$262 65	2 08E	18.
10	GM 20 2 10 1 2	1.1	10	420.10H	\$202.00	2.000	20.
12	SW 3G 2-1P 1-3	9 VV	10	\$32.02E	\$520.24	2.33 E	4J.
Τ3	SW 3G 1-1P 2-3	i W	11	\$38.14E	\$419.54	2.65 E	29.
14	SW 3G 2-1P 1-4	W	12	\$42.51E	\$510.14	2.50E	29.
15	SW 3G 3-3W		13	\$40.09E	\$521.13	2.84E	36.
16				E		E	
17				E		Е	
18						Е	
10						 5	
19				E		12	
20				E		E	
21				E		Е	
22				E		E	
23				E		E	
24				Е		Е	
25				F		E	
20						E	
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27				E		E	
28				E		Е	
29				E		Е	
30				E		E	
31				Е		Е	
30				F		E	
22				E			
33				E		E	
34				E		Е	
35				E	<i>1</i>	E	
36				E		E	
37				E		E	
38				E		E	
39				E.		E	
10						F	
40				E		E	
41				E		E	
42				E		E	
43				E		E	
44				Е		E	
45				Е		Е	
16				 		 	
40				.E.		10	
47				Е		E	
48				E		E	
49				E		Е	
50				E		Е	

Assembly Price Sheet #2

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TOB	NAME	SAMPT	18ui .e	PRICE SHEET #2	DF 204	.TE 1990 #	9-10-2 19
VGST	MARIE MRLIFS 51-100) Oniti I	121		ц. БС	T #	
# #\\\.	TUEN MAUTO	1	ΩΨΩ	M/DRTCE	ىن. w / דעי	T /IINITO	PAU L/RV
# 5.1	TIDIEV 1-15A		۲1 11	ri/ PRICE	MI/ EAI		1/LA 01 7
57 57	DUPDER 1-15A		15	22.02E	\$150 KA	1 90 1	24.7
5⊿ ⊏ ว	DUPLEA 2-1JA		10	\$10.10E	\$152.04	1.80 8	20.7
53 - 4	DUPLEX I-ZUA		10	\$14.14E	\$226.23	1.55 E	24.8
54	DUPLEX 2-20A	2000 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	17	\$19.06E	\$323.95	1.80E	30.5
55				E		E	
56				E		E	
57				E		E	
58				E		E	
59				E		Е	۰,
60				Е		E	
61				E		Е	
62				Е		Е	
63				Е		Е	
64				- 		E	
65				E		10	
55				ц. П		E	
00				E		E	
67				Б		E	
68				E		Е	
69				Е		E	
70				E		E	
71				Е		E	
72				E		E	
73				Е		E	
74				E		Е	
75				Е		Е	
76				E		Е	
77				Е		E	
78				E		E	
79				E		E	
2 N				F		F	
0U 01							
8T				E		E	
82				E		E	
83				E		E	
84				E		E	
85 -				E		E	
86				E		Е	
87				E		Е	
88				Е		E	
89				Е		E	
90				E		E	
91				Е		Е	
92				E		E	
93				E		 E	
01						- - 	
24				E		- -	
95				L		ь 	
96				E		E _	
97				E		E	
98				E		Е	
99				E		E	
100				E		E	

CODE NAME DAMPLAS EST # [12] # ITEM QTY M/PRICE M/RXT L/UNIT L/2 1 EMT 1/2" 1,200 \$23.77C \$285.26 2.92C 35. 2 EMT 1/4" 130 \$66.96C \$90.65 3.66C 4. 3 EMT 1" 130 \$56.96C \$90.65 3.66C 4. 4 EMT COUP SS DC 1/2" 140 \$22.63C \$91.66 4.50C 2. 5 EMT COUP SS DC 1/2" 16 \$9.98C \$9.79 4.50C 2. 6 EMT COUP SS DC 1/2" 46 \$21.30C \$9.79 4.50C 1. 9 EMT COUN SS DC 1/2" 46 \$21.90C \$33.64 4.50C 1. 10 EMT STRAP IH 1/2" 260 \$12.90C \$33.54 4.50C 1. 11 EMT STRAP IH 1/2" 260 \$11.11 22.50C 1. 1. 13 SQ4 1.5D COMED 60 \$10.02 \$5.0C	TOP	NAME	CAMPL -	o one	LAN TH		PUTT #	100
DESCRIPTION DERMAN CIRCUIT FORM DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION 1 EMT 1/2* 1,200 \$\$23,77C \$\$285.26 2.92C 35. 2 EMT 3/4* 450 \$\$40,37C \$\$181.68 3.15C 14. 3 EMT COUP SS DC 1/2* 140 \$\$22,63C \$\$31.68 4.50C 6. 5 EMT COUP SS DC 1/2* 166 \$\$59.89C \$\$9.58 7.20C 1. 7 EMT COUR SS DC 1/2* 166 \$\$21.90C \$\$3.54 4.50C 0. 9 EMT COUR SS DC 1/2* 46 \$\$21.90C \$\$33.64 4.50C 0. 10 EMT STRAP 1H 3/4* 113 \$\$16.97C \$\$33.54 4.50C 0. 11 EMT STRAP 1H 3/4* 113 \$\$16.97C \$\$33.69C \$\$5.40C 6. 12 EMT STRAP 1H 1/* 26 \$\$28.40C \$\$5.40C 0. 0. 13 \$\$241.20.01K \$\$40.54C \$\$4.55C 0. 0.	JUB	NAME	SAMPLE	OTDO	ITTE DOWER		EST #	123
IPER UTX IPERLOS IPERLOS <thiperlos< th=""> <thiperlos< th=""> <thiperlos<< th=""><th>DES</th><th>TERM</th><th>BRANCH</th><th>CIRC</th><th>UIT POWER</th><th>1.6 / 1937 (19</th><th>EST. BY</th><th>PAUL</th></thiperlos<<></thiperlos<></thiperlos<>	DES	TERM	BRANCH	CIRC	UIT POWER	1.6 / 1937 (19	EST. BY	PAUL
Image: 1/4" 1,200 \$23.77C \$245.26 2.92C 33. Image: 1/4" 130 \$56.96C \$815.66 3.55C 14. Image: 1/4" 130 \$56.96C \$819.65 3.56C 4. Image: 1/4" 130 \$56.96C \$819.65 \$3.60C 4. Image: 1/4" 140 \$22.63C \$31.68 4.50C 6. Image: 1/4" 120 \$33.69C \$31.906 5.40C 1. Image: 1/4" 120 \$33.69C \$6.74 5.40C 1. Image: 1/2" 260 \$12.90C \$33.54 4.50C 1. Image: 1/2" 260 \$12.90C \$33.54 4.50C 1. Image: 1/2" 260 \$28.04C \$7.29 7.20C 1. Image: 1/2" 100 \$65.40C \$2.50C 1. Image: 1/2" 100 \$60.17C \$30.09 4.50C 0. 100 \$60.17C \$30.09 \$.40C 0.	#	ITEM	Q	TY 20	M/PRICE	M/EXT	L/UNIT	L/EX
2 BAT 3/4" 400 540.37C SHB1.68 3.15C 14 4 ENT COUP SS DC 1/2" 140 \$22.63C \$31.68 4.50C 6. 5 ENT COUP SS DC 1/4" 52 \$36.65C \$19.06 5.40C 2. 7 ENT COUP SS DC 1/4" 16 \$59.89C \$9.79 4.50C 2. 8 ENT COUN SS DC 3/4" 20 \$33.69C \$6.74 5.40C 1. 9 ENT COUN SS DC 1/4" 8 \$55.48C \$4.44 6.30C 0. 10 ENT STRAP 1H 3/4" 113 \$16.97C \$19.18 5.40C 6. 11 ENT STRAP 1H 3/4" 113 \$10.90C \$51.40C 9. 1. 13 \$24 1.5D COMED 60 \$19.90C \$51.40C 0. 1. 14 \$2411.2.1D 1" KO 4 \$727.80C \$11.11 22.50C 1. 14 \$2411.COVER BLANK 10 \$40.54C \$40.60 2. 70C 2.	1	EMT 1/2"	1,2	00	\$23.770	\$285.26	2.920	35.1
3 2.MT 1" 130 \$56.96C \$89.65 3.00C 4. 5 ENT COUP SS DC 1/2* 140 \$522.65C \$31.66 4.50C 5. 6 ENT COUP SS DC 1/2* 16 \$59.89C \$9.79 4.50C 2. 6 ENT COUN SS DC 1/2* 46 \$521.30C \$9.79 4.50C 1. 9 ENT CONN SS DC 1/2* 46 \$521.30C \$9.79 4.50C 1. 9 ENT CONN SS DC 1/2* 46 \$521.30C \$9.79 4.50C 1. 9 ENT CONN SS DC 1/2* 46 \$521.90C \$33.54 4.50C 1. 10 ENT STRAP 1H 1/2* 260 \$12.90C \$33.54 4.50C 1. 11 ENT STRAP 1H 1/2* 266 \$28.04C \$7.29 7.20C 1. 13 SQ4 1.5D COMED 60 \$109.00C \$65.40 22.50C 0. 14 SQ411 COVER BLANK 10 \$0.54C \$4.50C 2. 15<	2	EMT 3/4"	4	50	\$40.370	\$181.68	3.150	14.1
4 LAT COUP SS DC 3/4* 52 536.65C \$31.68 4.90C 5. 6 ENT COUP SS DC 3/4* 52 \$56.65C \$19.06 5.00C 2. 7 EMT COUP SS DC 3/4* 20 \$33.66C \$9.79 4.50C 1. 7 EMT CONN SS DC 1/2* 46 \$21.30C \$9.79 4.50C 1. 9 EMT CONN SS DC 1/4* 8 \$55.48C \$4.44 6.30C 0. 10 EMT STRAP 1H 1/4* 113 \$16.97C \$19.18 5.40C 6. 11 EMT STRAP 1H 1/4* 10 \$40.54C \$7.29 7.20C 1. 13 \$94.15.0 COMED 60 \$109.00C \$55.40C 0. 0. 15 \$94 COVER ELANK 10 \$40.54C \$4.65 4.50C 0. 16 \$94112.10 1* KO 4 \$27.36C \$11.11 22.50C 11. 17 \$94-RING 16 RAISE 1/2* 50 \$20.04C \$10.02 2.70C 5.	3	EMT 1"	1	30	\$68.960	\$89.65	3.600	4.6
S ENT COUP SS DC 1* 16 \$59.80 \$19.06 \$1.400 \$2.00	4	EMT COUP SS DC 1/2"	1	40 50	\$22.63C	\$31.68	4.500	6.3
6 DPT COUP SS DC 1/2" 16 Sp.9.80 Sp.9.88 7.20C 1. 8 EMT CONN SS DC 1/2" 46 \$21.30C \$9.98 7.20C 1. 9 EMT CONN SS DC 1/2" 46 \$21.30C \$9.99 4.50C 1. 9 EMT CONN SS DC 1/2" 8 \$55.43C \$4.444 6.30C 0. 10 EMT STRAP 1H 1/2" 260 \$12.90C \$33.54 4.50C 11. 11 EMT STRAP 1H 1/4" 113 \$16.97C \$19.18 5.40C 6. 13 \$2411 2.1D 1" KO 4 \$277.80C \$11.11 22.50C 13. 14 \$2411 2.1D 1" KO 4 \$277.80C \$11.11 22.50C 0. 15 \$24 cOVER BLANK 10 \$40.54C \$4.05 4.50C 0. 16 \$24CUTENK NT V 50 \$20.04C \$10.12 2.50C 11. 19 PLATE DUPLEX ISA TV 5242-1 50 \$20.04C \$10.02 2.70C 1. <	5	EMT COUP SS DC 3/4"		52	\$36.65C	\$19.06	5.400	2.8
A EMT CONN SS DC 1/2" 46 \$21,30C \$9,79 4.50C 2. 9 EMT CONN SS DC 1/4" 20 \$33,69C \$6,74 5.40C 1. 9 EMT CONN SS DC 1" 8 \$55,48C \$4.44 6.30C 0. 10 EMT STRAP IH 1/2" 260 \$12,90C \$33,54 4.50C 1. 11 EMT STRAP IH 1/4" 113 \$16,97C \$19.18 5.40C 6. 12 EMT STRAP IH 1/4" 26 \$28.04C \$7.29 7.20C 1. 13 \$04 1.5D COMBO 60 \$109.00C \$65.40 22.50C 0. 14 \$Q411 COME BLANK 10 \$40.54C \$4.05 4.50C 0. 15 \$04 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 16 \$0411 COVER BLANK 4 \$72.34C \$3.09 4.50C 2. 18 DUFLEX 15A IV 5242-1 50 \$20.04C \$10.02 2.70C 1. <t< td=""><td>6</td><td>EMT COUP SS DC 1"</td><td></td><td>16</td><td>\$59.890</td><td>\$9.58</td><td>7.200</td><td>1.1</td></t<>	6	EMT COUP SS DC 1"		16	\$59.890	\$9.58	7.200	1.1
B ENT COAN SS DC 3/4* 20 \$33,59C \$5,74 5,40C 1. 10 ENT STRAP 1H 1/2* 260 \$12,90C \$33,54 4,50C 11. 11 ENT STRAP 1H 3/4* 113 \$16,97C \$19,18 5,40C 6. 12 ENT STRAP 1H 1/2* 260 \$109,00C \$65,40 22,50C 13. 13 \$Q4 1.5D COMEO 60 \$109,00C \$65,40 22,50C 0. 15 \$Q4 COVER ELANK 10 \$40,54C \$4.05 4.50C 0. 15 \$Q4 COVER ELANK 10 \$40,54C \$4.05 4.50C 0. 16 \$Q411 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 17 \$Q4-RING 1G RAISE 1/2" 50 \$20.04C \$10.02 2.70C 1. 18 DUPLEX 15A IV 5242-T 50 \$22.04C \$11.73 2.70C 1. 20 THHN CU SOLD #12 4,800 \$47.43M \$227.66 4.50M 21. <td>/</td> <td>EMT CONN SS DC 1/2"</td> <td></td> <td>46</td> <td>\$21.30C</td> <td>\$9.79</td> <td>4.500</td> <td>2.0</td>	/	EMT CONN SS DC 1/2"		46	\$21.30C	\$9.79	4.500	2.0
9 ENT COAN SS DC 1" 8 \$55.48C \$4.44 6.30C 0.11 11 ENT STRAP 1H 1/2* 260 \$12.90C \$31.54 4.50C 11. 11 ENT STRAP 1H 1/4* 113 \$16.97C \$19.18 5.40C 6. 12 ENT STRAP 1H 1" 26 \$28.04C \$7.29 7.20C 11. 13 SQ4 1.5.0 COMBO 60 \$109.00C \$65.40 22.50C 0. 14 SQ411 2.1D 1" KO 4 \$277.80C \$11.11 22.50C 0. 15 SQ4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0. 16 SQ411 C.OVER BLANK 4 \$72.34C \$2.89 5.40C 0. 16 SQ41COVER BLANK 10 \$40.54C \$164.22 22.50C 11. 19 PLATE DUPLEX 16 IV 50 \$20.04C \$10.02 2.70C 1. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5.	8	EMT CONN SS DC 3/4"		20	\$33.690	\$6.74	5.400	1.0-
10 EMT STRAP IH 1/2" 260 \$12.90C \$33.54 4.50C 11. 11 EMT STRAP IH 1" 26 \$28.04C \$7.29 7.20C 11. 13 SQ4 1.5D COMBO 60 \$109.00C \$65.40 22.50C 10. 14 SQ41 12.1D 1" KO 4 \$277.80C \$11.11 22.50C 0. 15 SQ4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0. 15 SQ4 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 16 SQ411 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 17 SQ4-RING 1G RAISE 1/2" 50 \$50.17C \$30.09 4.50C 2. 18 DUPLEX 15A TV 5242-T 50 \$20.04C \$10.02 2.70C 1. 19 PLATE DUPLEX 16 TV 50 \$20.04C \$10.02 2.70C 1. 10 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E E E E E	9	EMT CONN SS DC 1"		8	\$55.48C	\$4.44	6.30C	0.5
11 EMT STRAP 1H 1/3/4" 113 \$16.97C \$19.18 5.40C 5. 12 EMT STRAP 1H 1/* 26 \$28.64C \$7.29 7.20C 13 13 SQ4 1.5D COMEO 60 \$109.00C \$65.40 22.50C 13. 14 SQ411 2.1D 1* KO 4 \$277.80C \$11.11 22.50C 0. 15 SQ4 COVER BLANK 10 \$40.54C \$4.65 4.50C 0. 15 SQ4 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 17 SQ4-RING 1G RAISE 1/2" 50 \$50.17C \$30.09 4.50C 2. 18 DUPLEX 15A IV 5242-T 50 \$20.40C \$10.02 2.70C 1. 20 THHN CU SOLD #12 4,800 \$47.43M \$227.66 4.50M 21. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E E E 22 2.70C 5. 23 E E E E E 2.	10	EMT STRAP 1H 1/2"	2	60	\$12.90C	\$33.54	4.50C	11.7
12 EMT STRAP IH 1" 26 \$28.04C \$7.20C 1. 13 SQ4 1.5D COMBO 60 \$109.00C \$55.40 22.50C 13. 14 SQ411 2.1D 1" KO 4 \$277.80C \$11.11 22.50C 0. 15 SQ4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0. 16 SQ411 COVER BLANK 10 \$40.54C \$31.01 2.89 5.40C 0. 16 SQ411 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 16 SQ411 Z.1D 1" KO 4 \$273.60C \$11.11 22.50C 0. 16 SQ41 RESE 1/2" 50 \$50.17C \$30.09 4.50C 2. 18 DUPLEX 15A IV 5242-I 50 \$20.04C \$10.02 2.70C 1. 10 THHN CU SOLID #12 4,800 \$47.43M \$227.66 4.50M 21. 20 THHN CU SOLID #12 4,800 \$47.43M \$227.66 4.50M 21. 11 WIRENUT RED 210 \$5.59C \$11.73 2.70C	11	EMT STRAP 1H 3/4"	1	13	\$16.97C	\$19.18	5.400	6.1
13 SQ4 1.5D COMBO 60 \$199.00C \$65.40 22.50C 11. 14 SQ4112.1D1* KO 4 \$27.80C \$11.11 22.50C 0. 15 SQ4 COVER BLANK 10 \$40.54C \$24.30C 0. 0. 15 SQ4 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 16 SQ411 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 17 SQ4-RING 1G RAISE 1/2" 50 \$20.04C \$16.422 22.50C 11. 19 PLATE DUPLEX 1G IV 50 \$20.04C \$10.02 2.70C 1. 10 THHN CU SOLID #12 4,800 \$47.43M \$227.66 4.50M 21. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E E 2. 2. 2. 6 2. 5. 23 E E E E E 2. 5. 5. 2. 5. 5. 2. 5. 5.	12	EMT STRAP 1H 1"		26	\$28.04C	\$7.29	7.200	1.8
14 SQ411 2.1D 1" KO 4 \$277.80C \$1.11 22.50C 0. 15 SQ4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0. 16 SQ411 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 17 SQ4-RING 1G RAISE 1/2" 50 \$60.17C \$30.09 4.50C 2. 18 DUPLEX 15A TV 5242-1 50 \$20.04C \$10.02 2.70C 1. 19 PLATE DUPLEX 1G TV 50 \$20.04C \$11.73 2.70C 1. 20 THIN CU SOLD #12 4,800 \$47.43M \$227.66 4.50M 21. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E E 2. 2. 2. 5. 23 E E E E 2. 2. 2. 5. 24 E E E E 2. 5. 5. 5. 26 E E E E 2. 5.	13	SQ4 1.5D COMBO		60	\$109.00C	\$65.40	22.50C	13.5
15 SQ4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0. 16 SQ411 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 17 SQ4-RING 1G RAISE 1/2" 50 \$50.17C \$30.09 4.50C 2. 18 DUPLEX 15A IV 5242-I 50 \$20.04C \$10.02 2.70C 1. 19 PLATE DUPLEX 1G IV 50 \$20.04C \$10.02 2.70C 1. 20 THHN CU SOLID #12 4,800 \$47.43M \$227.66 4.50M 21. 20 THN CU SOLID #12 4,800 \$47.43M \$227.66 4.50M 21. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E E E 24 E E 24 27 5. 27 5. 27 5. 27 2. 5. 5. 5. 5. 2. 5. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	14	SQ411 2.1D 1" KO		4	\$277.80C	\$11.11	22.50C	0.9
16 SQ411 COVER BLANK 4 \$72.34C \$2.89 5.40C 0. 17 SQ4-RING 1G RAISE 1/2" 50 \$60.17C \$30.09 4.50C 2. 18 DUPLEX 15A IV 5242-1 50 \$20.04C \$10.02 2.70C 1. 19 PLATE DUPLEX 1G IV 50 \$20.04C \$10.02 2.70C 1. 20 THEN CU SOLD #12 4,800 \$47.43M \$227.66 4.50M 21. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E E 2. 5. 5. 23 E E E E 2. 5. 5. 5. 23 E E E E E 2. 5. <t< td=""><td>15</td><td>SQ4 COVER BLANK</td><td></td><td>10</td><td>\$40.54C</td><td>\$4.05</td><td>4.50C</td><td>0.4</td></t<>	15	SQ4 COVER BLANK		10	\$40.54C	\$4.05	4.50C	0.4
17 SQ4-RING IG RATSE 1/2" 50 \$60.17C \$30.09 4.50C 2. 18 DUPLEX 15A IV 5242-I 50 \$328.44C \$164.22 22.50C 11. 20 THEN DUPLEX 11G IV 50 \$20.04C \$10.02 2.70C 1. 20 THEN CU SOLID #12 4,800 \$47.43M \$227.66 4.50M 21. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E 2. 2. 5. 23 E E E 2. 5. 24 E E E 2. 5. 23 E E E 2. 5. 5. 24 E E E 2. 5	16	SQ411 COVER BLANK		4	\$72.34C	\$2.89	5.40C	0.2
18 DUPLEX 15A IV 5242-I 50 \$328.44C \$16.4.22 22.50C 11. 19 PLATE DUPLEX 1G IV 50 \$20.04C \$10.02 2.70C 1. 20 THEN CU SOLID #12 4,800 \$47.43M \$227.66 4.50M 21. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E E 2. 5. 22 E E E E 2. 5. 23 E E E E 2. 5. 24 E E E E 2. 5. 5. 25 E E E E 2. 5.<	17	SQ4-RING 1G RAISE 1/2"		50	\$60.17C	\$30.09	4.50C	2.2
19 PLATE DUPLEX 1G IV 50 \$20.04C \$10.02 2.70C 1. 20 THHN CU SOLID #12 4,800 \$47.43M \$227.66 4.50M 21. 21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E E E 2. 23 E E E E 2. 5. 24 E E E E 2. 5. 23 E E E E 2. 5. 24 E E E E 2. 5.<	18	DUPLEX 15A IV 5242-I		50	\$328.44C	\$164.22	22.50C	11.2
20 THENU CU SOLID #12 $4,800$ \$47.43M \$227.66 $4.50M$ $21.$ 21 WIRENUT RED 210 \$5.59C \$11.73 $2.70C$ $5.$ 22 E E E E E E 23 E E E E E E 24 E E E E E E 25 E E E E E E 26 E E E E <td>19</td> <td>PLATE DUPLEX 1G IV</td> <td></td> <td>50</td> <td>\$20.04C</td> <td>\$10.02</td> <td>2.70C</td> <td>1.3</td>	19	PLATE DUPLEX 1G IV		50	\$20.04C	\$10.02	2.70C	1.3
21 WIRENUT RED 210 \$5.59C \$11.73 2.70C 5. 22 E E E 2 23 E E E 24 E E E 25 E E E 26 E E E 26 E E E 27 E E E 28 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 38 E E E 40 E E E 41 E E E 42 E E E 43 E E E 44 E E E	20	THHN CU SOLID #12	4,8	00	\$47.43M	\$227.66	4.50 M	21.6
22 E E E 23 E E E 24 E E E 25 E E E 26 E E E 27 E E E 28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 39 E E E 40 E E E 41 E E E 42 E E E 43 E E E 50 E E E 51,225.09 144. 1.00 X	21	WIRENUT RED	2	10	\$5.59C	\$11.73	2.700	5.6
23 E E E 24 E E E 25 E E E 26 E E E 27 E E E 28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 39 E E E 40 E E E 41 E E E 42 E E E 43 E E E SUETOTAL X 1.00 X 1.44	22				E		E	
24 E E E 25 E E E 26 E E E 27 E E E 28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 39 E E E 40 E E E 41 E E E 43 E E E SUBTOTAL X 1.00 X 1.44	23				E		E	
25 E E E 26 E E E 27 E E E 28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 37 E E E 38 E E E 39 E E E 41 E E E 43 E E E 44 E E E SUETOTAL X 1.00 X 1.44	24				E		E	
26 E E E 27 E E E 28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 37 E E E 38 E E E 39 E E E 41 E E E 43 E E E SUETOTAL SUETOTAL SUETOTAL SUETOTAL Suerorat MULTIPLIER (DEFAULT=1) X 1.00 X 1.00	25				E		E	
27 E E E 28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 37 E E E 38 E E E 40 E E E 41 E E E 42 E E E 43 E E E 44 E E E VULTIPLIER (DEFAULT=1) X 1.00 X 1.	26				E		E	
28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 39 E E E 40 E E E 41 E E E 42 E E E 43 E E E 44 E E E VULTIPLIER (DEFAULT=1) X 1.00 X 1.	27				E		E	
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54 E E 35 E E 36 E E 37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E 44 E E SUBTOTAL X 1.00 MULTIPLIER (DEFAULT=1) X 1.00	ز د ۲				. E		E	
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40 E E 41 E E 42 E E 43 E E 44 E E SUBTOTAL \$1,225.09 144 MULTIPLIER (DEFAULT=1) X 1.00 X 1.	10				E		F	
41 E E 42 E E 43 E E 44 E E SUBTOTAL \$1,225.09 144. MULTIPLIER (DEFAULT=1) X 1.00 X 1.	4U 41				E		E v	
42 E E 43 E E 44 E E SUBTOTAL \$1,225.09 144. MULTIPLIER (DEFAULT=1) X 1.00 X 1.	41				E		E	
43 E E 44 E E SUBTOTAL \$1,225.09 144. MULTIPLIER (DEFAULT=1) X 1.00 X 1.	42				E		E F	
44 E E SUBTOTAL \$1,225.09 144. MULTIPLIER (DEFAULT=1) X 1.00 X 1.	43				E		E	
SUBTOTAL \$1,225.09 144. MULTIPLIER (DEFAULT=1) X 1.00 X 1.	44				E		E	
MULTIPLIER (DEFAULT=1) X 1.00 X 1.	SUB	TOTAL				\$1,225.09	-	144.7
	MUL	TIPLIER (DEFAULT=1)			X _	1.00) X	1.0

DESCRIPTION DERNNCH CIRCUIT LIGHTING EST. BY PAUL # TTEM QTY M/PRIC L/UNIT L/UNIT EMT 1/2" 800 \$23.77C \$190.18 2.92C 23.4 2 BMT 1/2" 200 \$23.77C \$92.66 3.15C 7.1 3 BMT 14" 200 \$23.77C \$92.66 3.15C 7.1 4 EMT COUP SS DC 1/2" 96 \$22.63C \$21.72 4.50C 1.4 5 BMT COUP SS DC 1/2" 96 \$22.63C \$11.150 4.50C 2.5 6 BMT CONN SS DC 1/2" 54 \$21.30C \$11.150 4.50C 0.1 10 BMT STRAP 1H 1/2" 200 \$12.90C \$25.80 4.50C 0.1 11 BMT STRAP 1H 3/4" 58 \$16.97C \$9.84 4.50C 0.4 12 BMT STRAP 1H 1/2" 200 \$21.90C \$22.50C 0.4 0.4 13 \$941.5D COMBO 2 \$2777.8C	JOB	NAME	PRICING SH SAMPLE	EET #2	DA ES	TE T #	9-15-98 123
# ITEM QTV M/PRICE M/EXT L/UNTT L/EXT 1 BMT 1/2* 800 \$23.77C \$190.18 2.92C 23.4 2 BMT 3/4* 230 \$40.37C \$92.86 3.15C 7.1 3 BMT 1* 60 \$68.96C \$41.38 3.60C 2.1 5 EMT COUP SS DC 1/2* 96 \$22.63C \$21.72 4.50C 4.1 6 BMT COUP SS DC 1/2* 54 \$21.30C \$11.50 4.50C 2.1 7 EMT COUN SS DC 1/2* 54 \$21.30C \$5.39 5.40C 0.1 9 EMT COUN SS DC 1/2* 2 \$55.48C \$1.11 6.30C 0.1 10 EMT STRAP 1H 1/2* 200 \$12.90C \$23.98 22.50C 4.5 11 EMT STRAP 1H 1/4* 58 \$16.97C \$9.84 5.40C 0.1 12 EMT STRAP 1H 1/4* 58 \$10.90C \$23.98 22.50C 0. 5 </th <th>DES</th> <th>CRIPTION</th> <th>BRANCH CIR</th> <th>CUIT LIGHTING</th> <th>ES</th> <th>T. BY</th> <th>PAUL</th>	DES	CRIPTION	BRANCH CIR	CUIT LIGHTING	ES	T. BY	PAUL
1 ENT 1/2* 800 \$23.77C \$190.18 2.92C 22.4 2 ENT 3/4* 230 \$40.37C \$92.86 3.15C 7.2 4 ENT COUP SS DC 1/2* 96 \$522.53C \$21.72 4.50C 4.1 5 ENT COUP SS DC 1/2* 96 \$522.53C \$21.72 4.50C 4.1 6 ENT COUP SS DC 1/2* 96 \$22.53C \$21.72 4.50C 4.1 6 ENT COUP SS DC 1/2* 58 \$36.65C \$10.26 5.40C 1.1 6 ENT COUN SS DC 3/4* 16 \$33.69C \$5.39 5.40C 0.1 9 ENT STRAP 1H 3/4* 58 \$16.97C \$9.84 5.40C 0.1 10 ENT STRAP 1H 3/4* 58 \$21.90C \$22.50C 0.4 13 \$94.15.0 CMUPEND 22 \$277.80C \$5.56 22.50C 0.4 14 \$94112.10.1*KO 2 \$27.34C \$1.60 2.5 1.0	#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
2 ENT 3/4* 230 \$40.37C \$92.66 3.15C 7.1 3 ENT 1* 60 \$68.96C \$41.38 3.60C 2.1 5 ENT COUP SS DC 3/4* 28 \$36.65C \$10.26 5.40C 1.5 6 ENT COUP SS DC 1/2* 54 \$21.30C \$11.50 4.50C 0.1 7 ENT COUN SS DC 1/2* 54 \$21.30C \$11.50 4.50C 0.1 8 ENT COUN SS DC 1/2* 28 \$55.46C \$11.16 6.30C 0.1 9 ENT COUN SS DC 1/2* 200 \$12.90C \$22.80 4.50C 0.1 10 ENT STRAP 1H 1/2* 200 \$12.90C \$23.98 22.50C 0.4 11 ENT STRAP 1H 1/2* 200 \$12.90C \$23.98 22.50C 0.4 12 SQL1CCVER BLANK 10 \$40.54C \$4.0C 0.5 1.55 5 SQL1CVER BLANK 2 \$72.34C \$1.45 5.40C 0.5	1	EMT 1/2"	800	\$23.77C	\$190.18	2.92C	23.40
3 EMT 1" 60 \$68.96C \$41.38 3.60C 2. 4 EMT COUP SS DC 1/2" 96 \$22.63C \$21.72 4.50C 4.5 6 EMT COUP SS DC 1/4" 28 \$36.65C \$10.36 5.40C 1.5 6 EMT COUP SS DC 1/2" 54 \$21.30C \$11.50 4.50C 2. 7 EMT COUN SS DC 3/4" 16 \$33.69C \$5.19.36 4.50C 0. 9 EMT COUN SS DC 1/4" 2 \$55.46C \$1.11 6.30C 0. 10 EMT STRAP 1H 1/2" 200 \$12.90C \$25.80 4.50C 0. 11 EMT STRAP 1H 3/4" 58 \$16.97C \$9.84 5.40C 0. 12 EMT STRAP 1H 3/4" 15 \$22.00C \$23.99 \$2.20C 0. 13 \$941.2.1D 1" KO 2 \$27.34C \$3.45 5.40C 0. 13 \$941.2.1D 1" KO 2 \$20.04C \$21.79 0.5 5.40C 0. <td>2</td> <td>EMT 3/4."</td> <td>230</td> <td>\$40.37C</td> <td>\$92.86</td> <td>3.15C</td> <td>7.25</td>	2	EMT 3/4."	230	\$40.37C	\$92.86	3.15C	7.25
4 ENT COUP SS DC 1/2* 96 \$22.63C \$21.72 4.50C 4.1 5 ENT COUP SS DC 3/4* 28 \$36.65C \$10.26 5.40C 1.1 5 ENT COUP SS DC 1/2* 54 \$21.30C \$11.50 4.50C 2.4 8 ENT CONN SS DC 1/2* 54 \$21.30C \$11.50 4.50C 2.4 8 ENT CONN SS DC 1/2* 54 \$21.30C \$51.39 5.40C 0.1 9 ENT CONN SS DC 1/2* 20 \$12.90C \$22.80 4.50C 9.4 10 ENT STRAP 1H 1/2* 200 \$12.90C \$23.98 2.50C 4.5 12 ENT STRAP 1H 1/2* 200 \$21.77.80C \$5.5 \$2.50C 4.5 13 SQ4 1.20 1* KO 2 \$77.780C \$1.45 5.40C 0.7 14 SQ411 COVER BLANK 2 \$77.780C \$1.45 5.40C 0.7 15 SQ4 COVER BLANK 2 \$77.780C \$1.45 5.40C 0.7<	3	EMT 1"	60	\$68.96C	\$41.38	3.60C	2.16
5 ENT COUP SS DC 3/4" 28 \$36.65C \$10.26 5.40C 1.5 6 EMT COUP SS DC 1/2" 54 \$59.89C \$4.79 7.20C 0.5 7 EMT CONN SS DC 1/2" 54 \$21.30C \$11.50 4.50C 2.4 8 EMT CONN SS DC 1/2" 2 \$55.48C \$1.11 6.30C 9.4 9 EMT CONN SS DC 1/2" 2 \$55.48C \$1.111 6.30C 9.4 10 EMT STRAP 1H 1/2" 200 \$12.90C \$25.80 4.50C 9.4 12 EMT STRAP 1H 1/2" 200 \$12.90C \$23.98 22.50C 4.5 13 SQ4 1.5.D COMEO 2 \$277.80C \$5.56 22.50C 0.4 5 SQ4 COVER BLANK 10 \$40.54C \$4.05 4.6C 0.7 14 SQ411 C.10 FAISE 1/2" 12 \$60.17C \$7.22 4.50C 0.5 15 SQ4 COVER BLANK 2 \$7.04 \$5.00 1.4	4	EMT COUP SS DC 1/2"	96	\$22.63C	\$21.72	4.50C	4.32
6 EMT COUP SS DC 1* 8 \$\$59.89C \$\$4.79 7.20C 0.5 7 EMT CONN SS DC 1/2* 54 \$21.30C \$11.50 4.50C 2.4 8 EMT CONN SS DC 3/4* 16 \$33.69C \$5.39 5.40C 0.5 10 EMT STRAP 1H 1/2* 200 \$12.90C \$25.80 4.50C 9.6 11 EMT STRAP 1H 1/2* 200 \$12.90C \$25.80 4.50C 9.6 11 EMT STRAP 1H 1/2* 200 \$12.90C \$4.21 7.20C 1.6 12 EMT STRAP 1H 1/4* 15 \$28.04C \$4.21 7.20C 1.6 13 SQ4 1.5D COMEO 22 \$100.00C \$23.98 22.50C 4.5 14 SQ4112.1D 1* X0 \$2477.80C \$5.56 22.50C 0.4 15 SQ4 COVER BLANK 10 \$40.54C \$41.05 4.50C 0.5 15 SQ4 COVER BLANK 10 \$40.54C \$11.75 4.50C 0.5 16 Syl115-21 12 \$106.62C \$12.79 18.00C	5	EMT COUP SS DC 3/4"	28	\$36.65C	\$10.26	5.40C	1.51
FINT CONN SS DC 1/2" 54 \$21.30C \$11.50 4.50C 2.6 8<	6	EMT COUP SS DC 1"	8	\$59.89C	\$4.79	7.20C	0.58
8 EMT CONN SS DC 3/4" 16 \$33.69C \$5.39 5.40C 0.4 9 EMT CONN SS DC 1" 2 \$55.48C \$1.11 6.30C 0.7 10 EMT STRAP 1H 1/2" 200 \$12.50C \$25.80 4.50C 9.2 11 EMT STRAP 1H 14" 15 \$28.04C \$4.21 7.20C 1.6 13 \$Q411.2.1D 1" KO 2 \$277.80C \$5.56 22.50C 0.4 15 \$Q4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0.7 16 \$Q411.2.1D 1" KO 2 \$277.80C \$5.56 22.50C 0.4 15 \$Q4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0.7 17 \$Q4-RING 1G RAISE 1/2" 12 \$10.662C \$12.79 18.00C 2.7 18 \$W IP 15A IV C\$115-2I 12 \$20.04C \$2.40 2.70C 0.7 20 THIN CU SOLD #12 3,200 \$47.43M \$151.78 4.50M 14.4 21 WIRPNT FED 160 \$5.59C \$8.88 2.70	7	EMT CONN SS DC 1/2"	54	\$21.30C	\$11.50	4.50C	2.43
9 EMT CONN SS DC 1" 2 \$55.48c \$1.11 6.30c 0.1 10 EMT STRAP IH 1/2" 200 \$12.90c \$25.80 4.50c 9.0 11 EMT STRAP IH 1/2" 200 \$12.90c \$25.80 4.50c 9.0 11 EMT STRAP IH 1/4" 58 \$16.97C \$9.84 5.40c 3.1 12 EMT STRAP IH 1/4" 15 \$28.04C \$4.21 7.20c 1.0 13 SQ4 1.5D COMBO 2 \$109.00c \$23.98 22.50c 0.4 14 SQ411 COVER BLANK 10 \$40.54c \$4.405 4.50c 0.1 15 SQ4 COVER BLANK 10 \$40.54c \$4.05 4.50c 0.1 15 SQ4 IP I5A IV CS115-21 12 \$106.62c \$21.79 18.00c 2.1 19 PLATE SWITCH 1G IV 12 \$20.04c \$2.40 2.70c 0.1 20 FLEX STEEL 1/2" 40 \$22.20c \$8.88 2.70c 1.0 21 FLEX CONN SQ DC 1/2" 20 \$38.18c \$7.64	8	EMT CONN SS DC 3/4"	16	\$33.69C	\$5.39	5.40C	0.86
10 EMT STRAP 1H 1/2* 200 \$12.90C \$25.80 4.50C 9.0 11 EMT STRAP 1H 3/4* 58 \$16.97C \$9.84 5.40C 3.1 12 EMT STRAP 1H 1* 15 \$28.04C \$4.21 7.20C 1.0 13 SQ4 1.5D COMEO 22 \$109.00C \$23.98 22.50C 0.4 14 SQ411 2.1D 1* KO 2 \$277.80C \$5.56 22.50C 0.4 15 SQ4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0.4 15 SQ4 COVER BLANK 10 \$40.54C \$1.45 5.40C 0.1 17 SQ4-RING 1G RAISE 1/2** 12 \$106.62C \$12.79 18.00C 2.70C 0.1 20 THEN TORID 1412 3.200 \$47.43M \$151.78 4.50M 14.4 21 WIRENUT RED 160 \$52.9C \$8.88 2.70C 1.0 21 FLEX CONN SQ DC 1/2* 20 \$38.18C \$7.64 4.50C 0.5 22 E E E E E	9	EMT CONN SS DC 1"	2	\$55.48C	\$1.11	6.30C	0.13
11 EMT STRAP 1H 3/4" 58 \$16.97C \$9.84 5.40C 3.1 12 EMT STRAP 1H 1" 15 \$28.04C \$4.21 7.20C 1.6 13 \$Q411.5.D COMEO 22 \$109.00C \$23.98 22.50C 4.9 14 \$Q411 2.1D 1" KO 2 \$277.80C \$5.56 22.50C 0.4 15 \$Q4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0.4 16 \$Q411 COVER BLANK 2 \$72.34C \$1.45 5.40C 0.2 18 \$W 1P 15A IV C\$115-21 12 \$106.62C \$12.79 18.00C 2.2 19 PLATE SWITCH 10 IV 12 \$20.04C \$2.40 2.70C 0.2 20 THM NCU SOLD #12 3.200 \$47.43M \$151.78 4.50M 14.4 21 WIRENUT RED 160 \$5.59C \$8.88 2.70C 1.4 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E E E <	10	EMT STRAP 1H 1/2"	200	\$12.90C	\$25.80	4.50C	9.00
12 EMT STRAP 1H 1* 15 \$28.04C \$4.21 7.20C 1.0 13 SQ4 1.5D COMEO 22 \$109.00C \$23.98 22.50C 4.5 14 SQ411 2.1D 1* KO 2 \$277.80C \$5.56 22.50C 0.4 15 SQ4 COVER BLANK 10 \$40.54C \$4.05 4.50C 0.4 16 SQ411 COVER BLANK 2 \$72.34C \$1.45 5.40C 0.5 17 SQ4-RING 1G RAISE 1/2* 12 \$60.17C \$7.22 4.50C 0.5 19 PLATE SWITCH 1G IV 12 \$20.04C \$2.40 2.70C 0.2 21 WIRENUT RED 160 \$5.59C \$8.94 2.70C 4.5 21 WIRENUT RED 160 \$5.59C \$8.94 2.70C 4.5 22 FLEX CONN SQ DC 1/2* 20 \$38.18C \$7.64 4.50C 0.5 22 FLEX CONN SQ DC 1/2* 20 \$38.18C \$7.64 4.50C 0.5 23 FLEX CONN SQ DC 1/2* 20 \$38.18C \$7.64 4.50C	11	EMT STRAP 1H 3/4"	58	\$16.97C	\$9.84	5.40C	3,13
13 SQ4 1.5D COMEO 22 \$109.00 C \$23.98 22.50 C 4.5 14 SQ411 2.1D 1" KO 2 \$277.80 C \$5.56 22.50 C 0.4 15 SQ4 COVER BLANK 10 \$40.54 C \$4.05 4.50 C 0.4 15 SQ4 COVER BLANK 2 \$72.34 C \$1.45 5.40 C 0.4 16 SQ411 COVER BLANK 2 \$72.34 C \$1.45 5.40 C 0.4 17 SQ4-RING IG RAISE 1/2" 12 \$60.17 C \$7.22 4.50 C 0.4 18 SW 1P 15A IV CS115-2I 12 \$106.62 C \$12.79 18.00 C 2.7 20 THHN CU SOLID #12 3,200 \$47.43 M \$151.78 4.50 M 14.4 21 WIRNUT RED 160 \$5.59 C \$8.94 2.70 C 1.5 22 FLEX STEEL 1/2" 40 \$22.20 C \$8.88 2.70 C 1.6 24 E E E E E 2 2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	12	EMT STRAP 1H 1"	15	\$28.04C	\$4.21	7.20C	1.08
14 SQ411 2.1D 1" KO 2 \$277.80 c \$5.56 22.50 c 0.4 15 SQ4 COVER BLANK 10 \$40.54 c \$4.05 4.50 c 0.1 16 SQ411 COVER BLANK 2 \$72.34 c \$1145 5.40 c 0.1 16 SQ411 COVER BLANK 2 \$72.34 c \$1145 5.40 c 0.1 17 SQ4-RING 1G RAISE 1/2" 12 \$106.62 c \$12.79 18.00 c 2.1 19 PLATE SWITCH 1G IV 12 \$20.04 c \$2.40 2.70 c 0.3 20 THHN CU SOLD #12 3,200 \$47.43 M \$151.78 4.50 M 14.4 21 WIRENUT RED 160 \$5.59 c \$8.94 2.70 c 4.3 22 FLEX STEEL 1/2" 40 \$22.20 c \$8.88 2.70 c 1.0 23 FLEX CONN SQ DC 1/2" 20 \$38.18 c \$7.64 4.50 c 0.5 24 E E E E E E E E E E E E E E E	13	SQ4 1.5D COMBO	22	\$109.00C	\$23.98	22.50C	4.95
15 SQ4 COVER BLANK 10 \$40.54 C \$4.05 $4.50 C$ 0.4 16 SQ411 COVER BLANK 2 \$72.34 C \$1.45 5.40 C 0.7 17 SQ4-RING 1G RAISE 1/2" 12 \$60.17 C \$77.22 $4.50 C$ 0.7 18 SW IP 15A IV C\$115-2I 12 \$106.62 C \$12.79 18.00 C 2.7 19 PLATE SWITCH 1G IV 12 \$20.04 C \$2.40 2.70 C 0.7 20 THHN CU SOLID #12 3.200 \$47.43 M \$151.78 $4.50 M$ 14.4 21 WIRENUT RED 160 \$5.59 C \$8.94 2.70 C 4.7 22 FLEX STREL 1/2" 40 \$22.20 C \$8.68 2.70 C 1.0 23 FLEX CONN SQ DC 1/2" 20 \$38.18 C \$7.64 4.50 C 0.5 24 E E E E E 2 25 E E E E E 2 26 E E E E E E E E <t< td=""><td>14</td><td>SQ411 2.1D 1" KO</td><td>2</td><td>\$277.80C</td><td>\$5.56</td><td>22.50C</td><td>0.45</td></t<>	14	SQ411 2.1D 1" KO	2	\$277.80C	\$5.56	22.50C	0.45
16 SQ411 COVER ELANK 2 \$72.34C \$1.45 5.40C 0.1 17 SQ4-RING IG RAISE 1/2" 12 \$60.17C \$7.22 4.50C 0.5 18 SW 1P 15A IV CS115-2I 12 \$106.62C \$12.79 18.00C 2.7 20 PLARTE SWITCH 10 IV 12 \$20.04C \$2.40 2.70C 0.5 20 THEN CU SOLID #12 3,200 \$47.43M \$151.78 4.50M 14.4 21 WIRENUT RED 160 \$5.59C \$8.94 2.70C 4.5 21 WIRENUT RED 160 \$5.59C \$8.88 2.70C 1.6 22 FLEX STEEL 1/2" 40 \$22.20C \$8.88 2.70C 1.6 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E E 2 2 2 2 2 2 2 1.6 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E <td>15</td> <td>SQ4 COVER BLANK</td> <td>10</td> <td>\$40.54C</td> <td>\$4.05</td> <td>4.50C</td> <td>0.45</td>	15	SQ4 COVER BLANK	10	\$40.54C	\$4.05	4.50C	0.45
17 SQ4-RING 1G RAISE 1/2" 12 \$60.17C \$7.22 4.50C 0.5 18 SW 1P 15A IV CS115-2I 12 \$106.62C \$12.79 18.00C 2.5 19 PLATE SWITCH 1G IV 12 \$20.04C \$2.40 2.70C 0.5 20 THEN CU SOLD #12 3,200 \$47.43M \$151.78 4.50M 14.4 21 WIRENUT RED 160 \$5.59C \$8.94 2.70C 4.5 22 FLEX STEEL 1/2" 40 \$22.20C \$8.88 2.70C 1.6 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E 2 2 2 2 2 2 1.6 25 E E E E 2 2 2 2 1.6 26 E E E E 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 <td>16</td> <td>SQ411 COVER BLANK</td> <td>2</td> <td>\$72.34C</td> <td>\$1.45</td> <td>5.40C</td> <td>0.11</td>	16	SQ411 COVER BLANK	2	\$72.34C	\$1.45	5.40C	0.11
18 SW 1P 15A IV CS115-2I 12 \$106.62C \$12.79 18.00C 2.1 19 PLATE SWITCH 1G IV 12 \$20.04C \$2.40 2.70C 0.3 20 THEN CU SOLID #12 3,200 \$47.43M \$151.78 4.50M 14.4 21 WIRENUT RED 160 \$5.59C \$8.94 2.70C 4.3 22 FLEX STEEL 1/2" 40 \$22.20C \$8.88 2.70C 1.0 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E E 2 2 2 2 2 2 2 1.0 1.0 1.0 1.0 1.0 1.0 1.00 1.0 1.00 1.00 1.0 1.0 1.00 1.0 1.00 1	17	SQ4-RING 1G RAISE 1/2"	12	\$60.17C	\$7.22	4.50C	0.54
19 PLATE SWITCH 1G IV 12 \$20.04C \$2.40 2.70C 0.3 20 THEN CU SOLID #12 3,200 \$47.43M \$151.78 4.50M 14.4 21 WIRENUT RED 160 \$5.59C \$8.94 2.70C 4.3 22 FLEX STEEL 1/2" 40 \$22.20C \$8.88 2.70C 1.0 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E E E 2 25 E E E E E E 2 2 \$38.18C \$7.64 4.50C 0.5 5 5 0.5 5 0.5 5 0.5 5 0.5 5 0.5 5 0.5 5 0.5 5 0.5 5 0.5 5 0.5 5 0.5 5 <td>18</td> <td>SW 1P 15A IV CS115-2I</td> <td>12</td> <td>\$106.62C</td> <td>\$12.79</td> <td>18.00C</td> <td>2.16</td>	18	SW 1P 15A IV CS115-2I	12	\$106.62C	\$12.79	18.00C	2.16
20 THHN CU SOLID #12 3,200 \$47.43M \$151.78 4.50M 14.4 21 WIRENUT RED 160 \$5.59C \$8.94 2.70C 4.3 22 FLEX STEEL 1/2" 40 \$22.20C \$8.88 2.70C 1.0 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E 2 2 \$38.18C \$7.64 4.50C 0.5 24 E E E E E 2 2 2 5 2 0.5 6 5 5 5 5 5 5 5 5 5 5 6 5 5 5 5 5 6 5 5 5 5 5	19	PLATE SWITCH 1G IV	12	\$20.04C	\$2.40	2.70C	0.32
21 WIRENUT RED 160 \$5.59C \$8.94 2.70C 4.3 22 FLEX STEEL 1/2" 40 \$22.20C \$8.88 2.70C 1.0 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E 2 2 5	20	THHN CU SOLID #12	3,200	\$47.43M	\$151.78	4.50M	14.40
22 FLEX STEEL 1/2" 40 \$22.20C \$8.88 2.70C 1.0 23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E E 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E E E 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E E E 20 23 23 24 E E 20 23 24 20 24 20 24 26 26 26 26 26 20 26 26 20 26 20 23 26 26 20 26	21	WIRENUT RED	160	\$5.59C	\$8.94	2.70C	4.32
23 FLEX CONN SQ DC 1/2" 20 \$38.18C \$7.64 4.50C 0.5 24 E E E E E 25 E E E E E 26 E E E E E 26 E E E E E 27 E E E E E 28 E<	22	FLEX STEEL 1/2"	40	\$22.20C	\$8.88	2.70C	1.08
24 E E E 25 E E E 26 E E E 27 E E E 28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 39 E E E 40 E E E 41 E E E 42 E E E 43 E E E 44 E E E SUBTOTAL S653.73 85.	23	FLEX CONN SQ DC 1/2"	20	\$38.18C	\$7.64	4.50C	0.90
25 E E 26 E E 27 E E 28 E E 29 E E 30 E E 31 E E 32 E E 33 E E 34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E 5UETOTAL \$653.73 \$5.1	24			E		E	
26 E E E 27 E E E 28 E E E 29 E E E 30 E E E 31 E E E 32 E E E 33 E E E 34 E E E 35 E E E 36 E E E 39 E E E 40 E E E 41 E E E 42 E E E 43 E E E 5UETOTAL \$653.73 \$5.1	25			Е		E	
27 E E 28 E E 29 E E 30 E E 31 E E 32 E E 33 E E 34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E 5UETOTAL \$653.73 85.	26			E		E	
28 E E 29 E E 30 E E 31 E E 32 E E 33 E E 34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 41 E E 42 E E 43 E E SUETOTAL \$653.73 \$5.	27			E		E	
29 E E 30 E E 31 E E 32 E E 33 E E 34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 41 E E 43 E E SUBTOTAL \$653.73 \$5. MULTIPLIER (DEPAULT=1) X 1.00 X 1.00	28			Е		E	
30 E E 31 E E 32 E E 33 E E 34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 41 E E 42 E E 43 E E SUBTOTAL \$653.73 \$5.1 MULTIPLIER (DEPAULT=1) X 1.00 X 1.00	29			E		E	
31 E E 32 E E 33 E E 34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 41 E E 42 E E 43 E E SUBTOTAL \$653.73 \$85.1	30			E		E	
32 E E 33 E E 34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E SUETOTAL \$653.73 \$85.1	31			E		E	
33 E E 34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E SUBTOTAL \$653.73 85.1	32			E		E	
34 E E 35 E E 36 E E 37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E SUBTOTAL \$653.73 85.1	33			E		E	
35 E E 36 E E 37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E SUBTOTAL \$653.73 85.1	34			E		E	
36 E E 37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E SUBTOTAL \$653.73 85.1	35			E		E	
37 E E 38 E E 39 E E 40 E E 41 E E 42 E E 43 E E 44 E E SUBTOTAL \$653.73 85.1	36			E		E	
38 E E 39 E E 40 E E 41 E E 42 E E 43 E E 44 E E SUBTOTAL \$653.73 85.1	37			E		E	
39 E E 40 E E 41 E E 42 E E 43 E E 44 E E SUBTOTAL \$653.73 85.	38			Е		E	
40 E E 41 E E 42 E E 43 E E 44 E E SUBTOTAL \$653.73 85.	39			E		E	
41 E E 42 E E 43 E E 44 E E SUBTOTAL \$653.73 85.	40			E		E	
42 E E 43 E E 44 E E SUBTOTAL \$653.73 85. MULTTPLIER (DEPAULT=1) X 1.00 X 1.00	41			E		E	
43 E E 44 E E SUBTOTAL \$653.73 85. MULTTPLIER (DEPAULT=1) X 1.00 X 1.00	42			E		E	
44 E E SUBTOTAL \$653.73 85.1 MULTTPLIER (DEPAULT=1) X 1.00 X 1.00	43			E		E	
SUBTOTAL \$653.73 85. MULTTPLIER (DEPAULT=1) X 1.00 X 1.	44			Е		Ε	
MULTIPLIER (DEFAULT=1) X 1.00 X 1.0	SUB	TOTAL			\$653.73		85.53
	MUL	TIPLIER (DEFAULT=1)		Х	1.00	Х	1.00

JOB N	AME	SAMPLE			F	ናጥ #	123
DESCR	TPTTON	BRANCH CIR	יוודים פדירה ד.דכם	TNC		en ov	
# .	TTEM	OTV	M/DRICE	1110	M/EVT	T /IINITE	FAUL T / DVM
1 1	PVC 40 3/4"	350	\$17 05 C		650 66	2 240	0 10
- · 2 I	PVC = 40 = 57 = 3/4	14	\$17.03C		209.00 011 77	2.34C	8.19
2 I	VC = 40 ELL $5/4$	10	\$04.04C		\$11.//	5.400	0.76
 	PULIN CH COLTD #10	44	\$20.99C		\$8.81 407 72	2.700	1.13
ч. 5 т	TRENUE CDAY	1,200	\$/3.11M		\$87.73 do Tr	5.40M	6.48
5 1 6	VIRENUI GRAI	20	\$10.60C		Ş⊿./0	3.600	0.94
7			E			. E	
γ Ω			E			E	
9			E			E	
10			E			E	
11			E			E	
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13			E			E	
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10			E			E	
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22			E			E	
23			E			E	
24 25			E			E	
20 96			E			. E	
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27 29			E			E	
20			E			E	
30			E			E	
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44			E			F	
			12			E	
SUBTO	TAL			<u>خ</u>	170 73		17 50
MULTI	PLIER (DEFAULT=1)		x	۲	1 00	x	1 00
					1.00	27	

JOB	NAME	SAMPLE		E.S	m #	123
DESC	RIPTION	FEDDER CO	NDUTTS	ES	T BY	PATIT.
#	TTEM	OTY	M/PRICE	M/EXT	T./IINITT	I./EX
1	GRC 2"	60	\$369.110	\$221 46	9 00 0	5 4
2	GRC 3"	120	\$963.45C	\$1,156,14	12 60 C	15 1
3	GRC ELL 2"	2	\$886.55C	\$17.73	63.00C	1.2
4	GRC ELL 3"	- 3	\$2,946.91C	\$88.41	112.50 C	3.3
5	GRC COUP 2"	. 6	\$207.67C	\$12.46	13.50C	0.8
6	GRC COUP 3"	10	\$785.84C	\$78.58	22.50 C	2.2
7	LOCKNUT 2"	4	\$58.66C	\$2.35	8.10C	0.3
8	LOCKNUT 3"	4	\$227.18C	\$9.08	13.50C	0.5
9	BUSHING PLASTIC 2"	2	\$75.17C	\$1.50	9.00C	0.1
10	BUSHING PLASTIC 3"	2	\$217.51C	\$4.35	13.50C	0.2
11	THHN CU STRANDED 3/0	240	\$1,305.15M	\$313.24	15.30M	3.6
12	THHN CU STRANDED 300	400	\$2,325.39M	\$930.16	20.70M	8.2
13			Е		E	
14			E		E	
15			E		E	
16			Е		E	
17			Е		E	
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26			E		E	
27			E		E	
28			E		E	
29			E		E	
30			E		E	
31			E		E	
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37			E		E	
38			E		E	
39			E 		E	
40			E		E	
41			E		E	
42			E		E _	
43			E		E	
44			E		Е	
SUB	FOTAL			\$2,835.47		41.4
MUL	FIPLIER (DEFAULT=1)		X	1.00	X	1.0

Lighting Quotation Summary

SUMMARY OF LIGH	TING QUOTATIONS	JOB NAME SAMPL	E
	VENDOR NAME		PRICE
VENDOR #1	ABC SUPPLY		\$1,378.22
VENDOR #2	LOW BID SUPPLY		\$1,328.70
VENDOR #3			
VENDOR #4			
VENDOR #5			
VENDOR #6			
LOWEST PRICE FO	RWARDED TO RECAP		\$1,328.70

Lighting Fixture Quotation - Vendor #1

CONT	ACT	TED			DATE	9-1-98		
PHON	E	988-626	5		FAX	988-633	5	
	TYPE	QTY.	PRICE EA.	EXT.	TYPE	QTY.	PRICE EA.	EXT.
1	A	10	\$45.60	\$456.00	19			
2	в	2	\$89.30	\$178.60	20			
3	С	1	\$21.67	\$21.67	21			
4	D	6	\$84.00	\$504.00	22			
5	Е	3	\$72.65	\$217.95	23			
6					24			
7					25			
8					26			
9					27			
10					28			
11					29			
12					30			
13					31			
15					32			
15					33			
16					34			
17					35			
18					36 .			

Lighting Fixture Quotation - Vendor #2

VENI	DOR	LOW BID	SUPPLY		Т	IME	11:30AM			
CONI	ACT	TEX			Γ	ATE	9-4-98			
PHON	ΊE	986-5656	5		F	AX	986-5551			
	TYPE	QTY.	PRICE EA.	EXT.		TYPE	QTY.	PRICE	EA.	EXT.
1	A	10	\$44.10	\$441.00	19					
2	B	2	\$91.25	\$182.50	20					
3	С	1	\$26.00	\$26.00	21					
4	D	6	\$78.30	\$469.80	22					
5	E	3	\$69.80	\$209.40	23					
6					24					
7					25					
8					26					
9					27					•;
10					28					
11					29					
12					30					
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15					32					
15					33					
16					34					
17					35					
18					36					
TENT										¢1 200 70

5-9

Power Quotations

POWER QUOTATIONS		JOB NAME	SAMPLE	
RECAP	CONTRA OT	DUONE		DDICE
VENDOR	CONTACT	PHONE	DALETINE	FRICE
ABC SUPPLY	TED	988-6265	9-1-98 11AM	\$1,256.00
WEST COAST POWER	PAUL	981-2563	9-2-98 1PM	\$1,075.00
				1
LOWE;	ST QUOTE FORWARDED T	O RECAP		\$1,075.00

Labor Rate Worksheet

LA	RBOR RATE WO	RKSHEET	JOB NAME	SAMPLE		
	ENTER P	ROJECT DURATIO	ON IN CALENDAR	DAYS	40	
	ENTER N	UMBER OF WORK	DAYS PER WEEK		5	
	ENTER N	UMBER OF WORK	HOURS PER WORK	K DAY	8	
	MANHOUR	S FORWARDED FF	ROM RECAP		683.40	
	WORK DA	YS PROJECT DUP	RATION		28.57	
	TOTAL M	ANDAYS			85.42	
	AVERAGE	CREW SIZE REQ	QUIRED		2.99	
	NUMBER	DESCRIPTION		RATE	EXTENSION	
	1	JOURNEYMAN		\$40.00	\$40.00	
	1	FOREMAN		\$50.00	\$50.00	
	1	HELPER		\$25.00	\$25.00	
	3	MAN CREW				
	AVERAGE	LABOR RATE FO	ORWARDED TO REG		\$38.33	

Job Cost Worksheet

-

SSS CODI MONTONEEL	COD WAME	DAMEDE	
FIELD OFFICE EXPENSE		VEHICLE EXPENSE	
TRAILER		PICKUP	
PHONE		FLATBED	
FAX		CAR	
CELL PHONE		BOOM TRUCK	
PAGER			
COMPUTER			
PRINTER			
COPY MACHINE			
FURNITURE RENTAL			
COFFEE MACHINE			
TOILET		PROJECT MANAGEMENT EXPENSI	5
TEMP POWER	\$400.00	PROJECT MANAGER	\$1,100.0
		SUPERINTENDENT	, _ ,
		GENERAL FOREMAN	
		FOREMAN	
		MATERIAL HANDLER	
		ESTIMATOR	
	•	ENGINEER	
		DRAFTSMAN	
		SECETARY	
		PERMIT FEE	\$450.0
GANG BOXES CHAINS & LOCKS DUMPSTER SIGN	\$150.00		
SCAFFOLDS WELDER			
TRENCHER	\$150 00		
CONDUIT BENDER	7200.00		
CABLE PULLER			
HOIST			
LADDERS	\$85.00		
SUBTOTAL #1	\$785.00	SUBTOTAL #2	\$1,550.0
TOT	AL FORWARDED TO	RECAP	\$2,335.0

Permit Cost Worksheet

	. SAME DE		
DESCRIPTION		QTY. COST/EACH	EXTENSION
LOT PRICE		1 \$450.00	\$450.00

Bonding Cost Worksheet

		SU	BTOTAL FROM RECAP	\$52,888.55
	BREAK POINT	AMOUNT	RATE	
1ST TIER	\$25,000.00	\$25,000.00	3.00%	\$750.00
2ND TIER	\$50,000.00	\$25,000.00	2.50%	\$625.00
3RD TIER	\$75,000.00	\$2,888.55	2.00%	\$57.77
4TH TIER	\$100,000.00		8	
5TH TIER			ş	
		BONDING COST FORWAR	RDED TO RECAP	\$1,432.77

Assembly MakeUp Sheet #1

DESCRIPTION SW 1G 1-1P EST. BY PAUL # TTEM QTY M/PRICE M/EXT L/UNIT L/EXT 1 EMT 1/2" 17 \$23.77C \$4.04 2.92C 0.50 2 EMT COUP SS DC 1/2" 1 \$22.63C \$0.23 4.50C 0.04 3 EMT COUN SS DC 1/2" 2 \$21.30C \$0.43 4.50C 0.09 4 EMT STRAP 1H 1/2" 3 \$12.90C \$0.39 4.50C 0.14 5 SQ4 1.5D 1/2" KO 1 \$103.97C \$1.04 22.50C 0.23 6 SQ4-RING 1G RAISE 1/2" 1 \$60.17C \$0.60 4.50C 0.04 7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E E 1 12 E E E E E 13 E E E E E 14 E E E E			ASSEMBLI P	AREOF SHEEL #1	Dr	4 L C	9-10-90
# ITEM QTY M/PRICE M/EXT L/UNIT L/EXT 1 EMT 1/2" 17 \$23.77C \$4.04 2.92C 0.50 2 EMT COUP SS DC 1/2" 1 \$22.63C \$0.23 4.50C 0.04 3 EMT COUN SS DC 1/2" 2 \$21.30C \$0.43 4.50C 0.09 4 EMT STRAP 1H 1/2" 3 \$12.90C \$0.39 4.50C 0.14 5 SQ4 1.5D 1/2" KO 1 \$103.97C \$1.04 22.50C 0.23 6 SQ4-RING 1G RAISE 1/2" 1 \$60.17C \$0.60 4.50C 0.04 7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E E E E 1 12 E E E E E E E	DESCRIPTION		SW 1G 1-1E		ES	ST. BY	PAUL
1 EMT 1/2" 17 \$23,77C \$4.04 2.92C 0.50 2 EMT COUP SS DC 1/2" 1 \$22.63C \$0.23 4.50C 0.04 3 EMT CONN SS DC 1/2" 2 \$21.30C \$0.43 4.50C 0.09 4 EMT STRAP 1H 1/2" 3 \$12.90C \$0.43 4.50C 0.14 5 SQ4 1.5D 1/2" KO 1 \$103.97C \$1.04 22.50C 0.23 6 SQ4-RING 1G RAISE 1/2" 1 \$60.17C \$0.60 4.50C 0.04 7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 1 1 1 1 1 1 1	# ITEM		QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
2 EMT COUP SS DC 1/2" 1 \$22.63C \$0.23 4.50C 0.04 3 EMT CONN SS DC 1/2" 2 \$21.30C \$0.43 4.50C 0.09 4 EMT STRAP 1H 1/2" 3 \$12.90C \$0.39 4.50C 0.14 5 SQ4 1.5D 1/2" KO 1 \$103.97C \$1.04 22.50C 0.23 6 SQ4-RING 1G RAISE 1/2" 1 \$60.17C \$0.60 4.50C 0.04 7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 1 <td< td=""><td>1 EMT</td><td>1/2"</td><td>17</td><td>\$23.77C</td><td>\$4.04</td><td>2.92C</td><td>0.50</td></td<>	1 EMT	1/2"	17	\$23.77C	\$4.04	2.92C	0.50
3 EMT CONN SS DC 1/2" 2 \$21.30C \$0.43 4.50C 0.09 4 EMT STRAP 1H 1/2" 3 \$12.90C \$0.39 4.50C 0.14 5 SQ4 1.5D 1/2" KO 1 \$103.97C \$1.04 22.50C 0.23 6 SQ4-RING 1G RAISE 1/2" 1 \$60.17C \$0.60 4.50C 0.04 7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 1<	2 EMT	COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
4 EMT STRAP 1H 1/2" 3 \$12.90C \$0.39 4.50C 0.14 5 SQ4 1.5D 1/2" KO 1 \$103.97C \$1.04 22.50C 0.23 6 SQ4-RING 1G RAISE 1/2" 1 \$60.17C \$0.60 4.50C 0.04 7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 1 <td>3 EMT</td> <td>CONN SS DC 1/2"</td> <td>2</td> <td>\$21.30C</td> <td>\$0.43</td> <td>4.50C</td> <td>0.09</td>	3 EMT	CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
5 SQ4 1.5D 1/2" KO 1 \$103.97C \$1.04 22.50C 0.23 6 SQ4-RING 1G RAISE 1/2" 1 \$60.17C \$0.60 4.50C 0.04 7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 1	4 EMT	STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
6 SQ4-RING 1G RAISE 1/2" 1 \$60.17C \$0.60 4.50C 0.04 7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 1	5 SQ4	1.5D 1/2" KO	1	\$103.97C	\$1.04	22.50C	0.23
7 SW 1P 20A IV CS120-2I 1 \$162.96C \$1.63 18.00C 0.18 8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 1 0 <	6 SQ4-	RING 1G RAISE 1/2"	1	\$60.17C	\$0.60	4.50C	0.04
8 PLATE SWITCH 1G IV 1 \$20.04C \$0.20 2.70C 0.03 9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 1 1 1 1 1 1 1 0.03 0.03 0.09 </td <td>7 SW 1</td> <td>P 20A IV CS120-2I</td> <td>1</td> <td>\$162.96C</td> <td>\$1.63</td> <td>18.00C</td> <td>0.18</td>	7 SW 1	P 20A IV CS120-2I	1	\$162.96C	\$1.63	18.00C	0.18
9 THHN CU SOLID #12 20 \$47.43M \$0.95 4.50M 0.09 10 E E E E 10	8 PLAT	E SWITCH 1G IV	1	\$20.04C	\$0.20	2.70C	0.03
10 E E 11 E E 12 E E 13 E E 14 E E 15 E E 16 E E 17 E E 18 E E 19 E E 20 E E	9 THHN	CU SOLID #12	20	\$47.43M	\$0.95	4.50M	0.09
11 E E 12 E E 13 E E 14 E E 15 E E 16 E E 17 E E 18 E E 19 E E 20 E E	10			E		E	
12 E E 13 E E 14 E E 15 E E 16 E E 17 E E 18 E E 20 E E	11 .			E		E	
13 E E 14 E E 15 E E 16 E E 17 E E 18 E E 19 E E 20 E E	12			E		E	
14 E E 15 E E 16 E E 17 E E 18 E E 19 E E 20 E E	13			Е		E	
15 E E 16 E E 17 E E 18 E E 19 E E 20 E E	14			E		E	
16 E E 17 E E 18 E E 19 E E 20 E E	15			Е		E	
17 E E 18 E E 19 E E 20 E E SUBTOTAL \$9.50 1.33	16			E		E	
18 E E 19 E E 20 E E SUBTOTAL \$9.50 1.33	17			E		E	
19 E E 20 E E subtottal \$9.50 1.33	18			E		E	
20 E E SUBTOTAL \$9.50 1.33	19			E		E	
SUBTOTAL \$9.50 1.33	20			E		E	
	SUBTOTAL				\$9.50		1.33
MODITPLIER (DEFAOLT=1) A 1.00 A 1.00	MULTIPLI	ER (DEFAULT=1)		Х	1.00	Х	1.00

Assembly MakeUp Sheet #2

	ASSEMBLY M	AKEUP SHEET #2	DA	TE	9-15-98
DESCRIPTION	SW 1G 1-3W		EST. BY		PAUL
# ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1 EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2 EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3 EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4 EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5 SQ4 1.5D 1/2" KO	1	\$103.97C	\$1.04	22.50C	0.23
6 SQ4-RING 1G RAISE 1/2"	1	\$60.17C	\$0.60	4.50C	0.04
7 SW 3W 20A IV CS320-2I	1	\$251.64C	\$2.52	22.50C	0.23
8 PLATE SWITCH 1G IV	1	\$20.04C	\$0.20	2.70C	0.03
9 THHN CU SOLID #12	60	\$47.43M	\$2.85	4.50 M	0.27
10		E		E	
11		E		E	
12		E		E	
13		E		E	
14		Е		E	
15		E		E	
16		E		E	
17		E		E	
18		Ε		E	
19		E		E	
20		E		E	
SUBTOTAL			\$12.28		1.56
MULTIPLIER (DEFAULT=1)		X	1.00	X	1.00
ASSEMBLY TOTAL			\$12.28		1.56

Assembly MakeUp Sheet #3

		MODEMBLI	MAREUP SHEET #3	DZ	ATE	9-15-98
DESCRIPTION		SW 1G 1-4	IW	ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXI
1	EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	SQ4 1.5D 1/2" KO	1	\$103.97C	\$1.04	22.50C	0.23
6	SQ4-RING 1G RAISE 1/2"	1 1	\$60.17C	\$0.60	4.50C	0.04
7	SW 4W 20A IV CS420-2I	1	\$1,200.00C	\$12.00	27.00C	0.27
8	PLATE SWITCH 1G IV	1	\$20.04C	\$0.20	2.70C	0.03
9	THHN CU SOLID #12	80	\$47.43M	\$3.79	4.50M	0.36
10			E		Е	
11			Е		Е	
12			E		E	
13			E		Е	
14			Е		E	
15			E		E	
16			Е		E	
17			E		Е	
18			Е		E	
19			Е		E	
20			Е		Е	
SUB	POTAL			\$22.72		1.69
MUL	FIPLIER (DEFAULT=1)		X	1.00	х	1.00
ASSI	EMBLY TOTAL			\$22.72		1.69

Assembly MakeUp Sheet #5

		ASSEMBLY M	AKEUP SHEET #5	DA	ATE	9-15-98
DESCRIPTION		SW 2G 2-1P		ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	SQ4 1.5D 1/2" KO	1	\$103.97C	\$1.04	22.50C	0.23
6	SQ4-RING 2G RAISE 1/2"	1	\$82.63C	\$0.83	4.50C	0.04
7	SW 1P 20A IV CS120-2I	2	\$162.96C	\$3.26	18.00C	0.36
8	WIRENUT RED	2	\$5.59C	\$0.11	2.70C	0.05
9	PLATE SWITCH 2G IV	1	\$40.08C	\$0.40	3.60C	0.04
10	THHN CU SOLID #12	60	\$47.43 M	\$2.85	4.50M	0.27
11			E		E	
12			E		E	
13			E		Е	
14			Е		E	
15			E		E	
16			Е		E	
17			E		E	
18			Е		E	
19			E		E	
20			E		E	
SUE	TOTAL			\$13.56		1.76
MUL	TIPLIER (DEFAULT=1)		Χ	1.00	Х	1.00
ASS	EMBLY TOTAL			\$13.56		1.76

Assembly MakeUp Sheet #6

		ASSEMBLY M	AKEUP SHEET #6	DF	7.1.E	9-15-98
DESCRIPTION		SW 2G 1-1E	P 1-3₩	ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	SQ4 1.5D 1/2" KO	1	\$103.97C	\$1.04	22.50 C	0.23
6	SQ4-RING 2G RAISE 1/2"	. 1	\$82.63C	\$0.83	4.50C	0.04
7	SW 1P 20A IV CS120-2I	1	\$162.96C	\$1.63	18.00C	0.18
8	SW 3W 20A IV CS320-2I	1	\$251.64C	\$2.52	22.50C	0.23
9	WIRENUT RED	3	\$5.59C	\$0.17	2.70C	0.08
10	PLATE SWITCH 2G IV	1	\$40.08C	\$0.40	3.60C	0.04
11	THHN CU SOLID #12	100	\$47.43M	\$4.74	4.50M	0.4Š
12			Е		E	
13			E		E	
14			E		E	
15			E		E	
16			E		E	
17			Е		E	
18			E		E	
19			E		E	
20			Е		E	
SUP	3TOTAL			\$16.40		2.01
MUL	TIPLIER (DEFAULT=1)		X	1.00	X	1.00
ASS	SEMBLY TOTAL			\$16.40		2.01

Assembly MakeUp Sheet #7

	ASSEMBLY MAKEUP SHEET #7	DATE	9-15-98
DESCRIPTION	SW 2G 1-1P 1-4W	EST. BY	PAUL
# ITEM	QTY M/PRICE	M/EXT L/UNIT	L/EXT
1 EMT 1/2"	17 \$23.77C	\$4.04 2.92	C 0.50
2 EMT COUP SS DC 1/2"	1 \$22.63C	\$0.23 4.50	C 0.04
3 EMT CONN SS DC 1/2"	2 \$21.30C	\$0.43 4.50	2 0.09
4 EMT STRAP 1H 1/2"	3 \$12.90C	\$0.39 4.50	0.14
5 SQ4 1.5D 1/2" KO	1 \$103.97C	\$1.04 22.50	0.23
6 SQ4-RING 2G RAISE 1/2"	1 \$82.63C	\$0.83 4.50	0.04
7 SW 1P 20A IV CS120-2I	1 \$162.96C	\$1.63 18.00	0.18
8 SW 4W 20A IV CS420-2I	1 \$1,200.00C	\$12.00 27.00	0.27
9 WIRENUT RED	4 \$5.59C	\$0.22 2.70	0.11
10 PLATE SWITCH 2G IV	1 \$40.080	\$0.40 3.60	0.04
11 THHN CU SOLID #12	120 \$47.43M	\$5.69 4.501	4 0.54
12	Е		3
13	E		Ξ
14	E		3
15	E	:	Ξ
16	E		2
17	E		2
18	E		Ξ
19	E		Ξ
20	E		Ξ
SUBTOTAL		\$26.89	2.17
MULTIPLIER (DEFAULT=1)	Х	1.00	K 1.00
ASSEMBLY TOTAL		\$26.89	2.17
Assembly MakeUp Sheet #8

DEC	CD I DETON	ASSERT	MALOF SALL: #0	D	A.1.E	9-12-98
DES	SCRIPTION	SW 2G 2-3V	V	E:	ST. BY	PAUL
Ŧ	TIEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	SQ4 1.5D 1/2" KO	1	\$103.97C	\$1.04	22.50C	0.23
6	SQ4-RING 2G RAISE 1/2"	1	\$82.63C	\$0.83	4.50C	0.04
7	SW 3W 20A IV CS320-2I	2	\$251.64C	\$5.03	22.50C	0.45
8	WIRENUT RED	3	\$5.59C	\$0.17	2.70C	0.08
9	PLATE SWITCH 2G IV	1	\$40.08C	\$0.40	3.60C	0.04
10	THHN CU SOLID #12	120	\$47.43 M	\$5.69	4.50M	0.54
11			E		E	14
12			E		E	
13			Е		E	
14			E		E	
15			Е		E	
16			Е		E	
17			E		E	
18			E		Е	
19			E		E	
20			E		Е	
SUB	TOTAL,			\$18.24		2.14
MUL	TIPLIER (DEFAULT=1)		Х	1.00	X	1.00
ASS	EMBLY TOTAL			\$18.24		2.14

		ASSEMBLY	MAKEUP SHEET #9	DA	ATE	9-15-98
DES	CRIPTION	SW 2G 1-3	3W 1-4W	ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 3/4"	17	\$40.37C	\$6.86	3.15C	0.54
2	EMT COUP SS DC 3/4"	1	\$36.65C	\$0.37	5.40C	0.05
3	EMT CONN SS DC 3/4"	. 2	\$33.69C	\$0.67	5.40C	0.11
4	EMT STRAP 1H 3/4"	3	\$16.97C	\$0.51	5.40C	0.16
5	SQ4-RING 2G RAISE 1/2"	1	\$82.63C	\$0.83	4.50C	0.04
6	SW 3W 20A IV CS320-2I	. 1	\$251.64C	\$2.52	22.50C	0.23
7	SW 4W 20A IV CS420-2I	1	\$1,200.00C	\$12.00	27.00C	0.27
8	WIRENUT RED	5	\$5.59C	\$0.28	2.70C	0.14
9	PLATE SWITCH 2G IV	1	\$40.08C	\$0.40	3.60 C	0.04
10	THHN CU SOLID #12	140	\$47.43 M	\$6.64	4.50M	0.63
11	SQ4 1.5D 3/4" KO	1	\$118.03C	\$1.18	22.50C	0.23
12			Е		E	
13			Е		E	
14			Е		Е	
15			E		E	
16			E		Е	
17			Е		Е	
18			E		E	
19			E		E	
20			E		E	
SUB	TOTAL			\$32.26		2.43
MUL	TIPLIER (DEFAULT=1)		Х	1.00	X	1.00
ASS	EMBLY TOTAL			\$32.26		2 43

Assembly MakeUp Sheet #11

DEC	CRIDTON	GW 20 2 1	Summer Simpli ###	Dr	2712	J-1J-90
т СССС-	TARM	SW 3G 3-11		E:	5T. BY	PAUL
# 1	LIEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
T	EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	. 2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	GANG BOX 1 5/8" DEEP 3G	1	\$890.89C	\$8.91	19.80C	0.20
6	GANG RING RAISE 3/4" 3G	1	\$574.22C	\$5.74	9.00C	0.09
7	SW 1P 20A IV CS120-2I	3	\$162.96C	\$4.89	18.00C	0.54
8	WIRENUT RED	3	\$5.59C	\$0.17	2.70C	0.08
9	PLATE SWITCH 3G IV	1	\$60.12C	\$0.60	4.50C	0.04
10	THHN CU SOLID #12	80	\$47.43M	\$3.79	4.50M	0.36
11			E		E	
12			E		E	
13			E		E	
14			E		Е	
15			E		E	
16			E		Е	
17			E		E	
18			E		E	
19			E		Е	
20			E		Е	
SUB'	FOTAL			\$29.18		2.08
MUL	TIPLIER (DEFAULT=1)		Х	1.00	х	1.00
ASS	EMBLY TOTAL			\$29.18		2 0.8

		ASSEMBLY M	AKEUP SHEET #12	DÆ	чье	9-15-98
DESC	RIPTION	SW 3G 2-1P	1-3W	ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	GANG BOX 1 5/8" DEEP 3G	1	\$890.89C	\$8.91	19.80C	0.20
б	GANG RING RAISE 3/4" 3G	. 1	\$574.22C	\$5.74	9.00C	0.09
7	SW 1P 20A IV CS120-2I	2	\$162.96C	\$3.26	18.00C	0.36
8	SW 3W 20A IV CS320-2I	1	\$251.64C	\$2.52	22.50C	0.23
9	WIRENUT RED	4	\$5.59C	\$0.22	2.70C	0.11
10	PLATE SWITCH 3G IV	1	\$60.12C	\$0.60	4.50C	0.04
11	THHN CU SOLID #12	120	\$47.43M	\$5.69	4.50M	0.54
12			E		E	
13			Е		E	
14			E		E	
15			Е		E	
16			E		E	
17			E		E	
18			E		E	
19			E		E	
20			E		E	
SUBI	OTAL			\$32.02		2.33
MULI	IPLIER (DEFAULT=1)		X	1.00	X	1.00
ASSE	MBLY TOTAL			\$32.02		2.33

Assembly MakeUp Sheet #13

		ASSERDIT I	AREOF SHEET #15	DE	41 E	9-10-98
DES	CRIPTION	SW 3G 1-11	2-3W	ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 3/4"	17	\$40.37C	\$6.86	3.15C	0.54
2	EMT COUP SS DC 3/4"	1	\$36.65C	\$0.37	5.40C	0.05
3	EMT CONN SS DC 3/4"	2	\$33.69C	\$0.67	5.40C	0.11
4	EMT STRAP 1H 3/4"	3	\$16.97C	\$0.51	5.40C	0.16
5	GANG BOX 1 5/8" DEEP 3G	1	\$890.89C	\$8.91	19.80C	0.20
6	GANG RING RAISE 3/4" 3G	1	\$574.22C	\$5.74	9.00C	0.09
7	SW 1P 20A IV CS120-2I	1	\$162.96C	\$1.63	18.00C	0.18
8	SW 3W 20A IV CS320-2I	2	\$251.64C	\$5.03	22.50C	0.45
9	WIRENUT RED	4	\$5.59C	\$0.22	2.70C	0.11
10	PLATE SWITCH 3G IV	1	\$60.12C	\$0.60	4.50C	0.04
11	THHN CU SOLID #12	160	\$47.43M	\$7.59	4.50M	0.72
12			E		E	
13			E		E	
14			E		E	
15			Е		E	
16			Е		E	
17			E		E	
18			E		E	
19			Е		E	
20			E		Е	
SUB	BTOTAL			\$38.14		2.65
MUL	TIPLIER (DEFAULT=1)		х	1.00	Х	1.00
ASS	EMBLY TOTAL			\$38.14		2.65

		ASSEMBLY	MAKEUP SHEET #14	DA	TE	9-15-98
DES	CRIPTION	SW 3G 2-1	P 1-4W	ES	T. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	GANG BOX 1 5/8" DEEP 3G	1	\$890.89C	\$8.91	19.80C	0.20
6	GANG RING RAISE 3/4" 3G	1	\$574.22C	\$5.74	9.00C	0.09
7	SW 1P 20A IV CS120-2I	2	\$162.96C	\$3.26	18.00C	0.36
8	SW 4W 20A IV CS420-2I	1	\$1,200.00C	\$12.00	27.00C	0.27
9	WIRENUT RED	5	\$5.59C	\$0.28	2.70C	0.14
10	PLATE SWITCH 3G IV	. 1	\$60.12C	\$0.60	4.50C	0.04
11	THHN CU SOLID #12	1.40	\$47.43 M	\$6.64	4.50M	0.63
12			E		E	
13			E		E	
14			E		E	
15			E		Е	
16			Е		E	
17			Е		E	
18			Е		E	
19			E		Е	
20			E		Е	
SUB	TOTAL			\$42.51		2.50
MUL	TIPLIER (DEFAULT=1)		X	1.00	Х	1.00
ASS	EMBLY TOTAL			\$42.51		2.50

Assembly MakeUp Sheet #15

		ASSENDLI P	AKEOP SHEET #15	DF	ALE.	3-12-38
DES	CRIPTION	SW 3G 3-3V	1	ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 3/4"	17	\$40.37C	\$6.86	3.15C	0.54
2	EMT COUP SS DC 3/4"	1	\$36.65C	\$0.37	5.40C	0.05
3	EMT CONN SS DC 3/4"	2	\$33.69C	\$0.67	5.40C	0.11
4	EMT STRAP 1H 3/4"	3	\$16.97C	\$0.51	5.40C	0.16
5	GANG BOX 1 5/8" DEEP 3G	1	\$890.89C	\$8.91	19.80C	0.20
6	GANG RING RAISE 3/4" 3G	. 1	\$574.22C	\$5.74	9.00C	0.09
7	SW 3W 20A IV CS320-2I	3	\$251.64C	\$7.55	22.50C	0.68
8	WIRENUT RED	6	\$5.59C	\$0.34	2.70C	0.16
9	PLATE SWITCH 3G IV	1	\$60.12C	\$0.60	4.50C	0.04
10	THHN CU SOLID #12	180	\$47.43M	\$8.54	4.50M	0.81
11			Е		E	¥.
12			E		E	
13			E		E	
14			E		Е	
15			E		Е	
16			E		E	
17			E		E	
18			E		E	
19			E		E	
20			Е		E	
SUE	TOTAL			\$40.09		2.84
MUL	TIPLIER (DEFAULT=1)		Х	1.00	X	1.00
ASS	EMBLY TOTAL			\$40.09		2 84

	0777	ROODIND I	TAKEUP SHEET #31	D	7.1.E	9-15-98
DES	CRIPTION	DUPLEX 1-1	.5A	E	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 1/2"	17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	SQ4 1.5D 1/2" KO	1	\$103.97C	\$1.04	22.50C	0.23
6	SQ4-RING 1G RAISE 1/2"	. 1	\$60.17C	\$0.60	4.50C	0.04
7	DUPLEX 15A IV 5320-ICP	1	\$42.30C	\$0.42	22.50C	0.23
8	WIRENUT RED	3	\$5.59C	\$0.17	2.70C	0.08
9	PLATE DUPLEX 1G IV	1	\$20.04C	\$0.20	2.70C	0.03
10	THHN CU STRANDED #12	40	\$54.66M	\$2.19	4.50M	0.18
11			E		E	h.
12			Е		Е	
13			Е		E	
14			Е		Е	
15			Е		Е	
16			Е		E	
17			Е		Е	
18			Е		E	
19			E		E	
20			E		Е	
SUB	TOTAL		:	\$9.69		1.55
MUL	TIPLIER (DEFAULT=1)		X	1.00	Х	1.00
ASS	EMBLY TOTAL			Ċ0 60		1 55

Assembly MakeUp Sheet #52

		ASSEMBLY 1	MAKEUP SHEET	#52	DA	'LE	9-15-98
DESCR	IPTION	DUPLEX 2-?	15A		ES	JT. BY	PAUL
# 1	ITEM	QTY	M/PRICE		M/EXT	L/UNIT	L/EXT
1 E	3MT 1/2"	17	\$23.77C		\$4.04	2,92C	0.50
2 E	IMT COUP SS DC 1/2"	1	\$22.63C		\$0.23	4.50C	0.04
3 Е	IMT CONN SS DC 1/2"	2	\$21.30C		\$0.43	4.50C	0.09
4 E	SMT STRAP 1H 1/2"	3	\$12.90C		\$0.39	4.50C	0.14
5 5	3Q4 1.5D 1/2" KO	1	\$103.97C		\$1.04	22.50C	0.23
6 5	SQ4-RING 1G RAISE 1/2"	. 1	\$60.17C		\$0.60	4.50C	0.04
7 E	JUPLEX 15A IV 5320-ICP	2	\$42.30C		\$0.85	22.50C	0.45
8 V	NIRENUT RED	3	\$5.59C		\$0.17	2.70C	0.08
9 F	PLATE DUPLEX 2G IV	1	\$40.08C		\$0.40	3.60C	0.04
10 T	FHHN CU SOLID #12	43	\$47.43M		\$2.04	4.50M	0.19
11			E			E	
12			Е			E	
13			E			E	
14			E			E	
15			Е			E	
16			E			E	
17			Е			E	
18			E			E	
19			E			E	
20			Е			E	
SUBTO	TAL		m		\$10.18		1.80
MULTI	PLIER (DEFAULT=1)		Х		1.00	х	1.00
ASSEM	BLY TOTAL		1		\$10.18		1.80

סיורד	CRIDUTON	TRODUCTOL 1	MARCHOF SILESI	₩JJ	DF	4.1.E	9-12-98
DES	SCRIPTION	DUPLEX 1-	20A		ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE		M/EXT	L/UNIT	L/EXT
1	EMT 1/2"	17	\$23.77C		\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C		\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C		\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C		\$0.39	4.50C	0.14
5	SQ4 1.5D 1/2" KO	1	\$103.97C		\$1.04	22.50C	0.23
6	SQ4-RING 1G RAISE 1/2"	1	\$60.17C		\$0.60	4.50C	0.04
7	DUPLEX 20A IV 5342-I	1	\$486.30C		\$4.86	22.50C	0.23
8	WIRENUT RED	3	\$5.59C		\$0.17	2.70C	0.08
9	PLATE DUPLEX 1G IV	1	\$20.04C		\$0.20	2.70C	0.03
10	THHN CU STRANDED #12	40	\$54.66M		\$2.19	4.50M	0.18
11			E			E	**
12			E			E	
13			E			Е	
14			E			E	
15			E			E	
16			E			E	
17			E			E	
18			E			E	
19			E			E	
20			Е			E	
SUE	TOTAL		-		\$14.14		1 55
MUL	TIPLIER (DEFAULT=1)		x		1 00	v	1.00
ASS	EMBLY TOTAL				\$14 14	A	1 55

		ASSEMBLY 1	MAKEUP SHEET #54	DF	ATE	9-15-98
DES	CRIPTION	DUPLEX 2-2	20A	ES	ST. BY	PAUL
#	ITEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EXT
1	EMT 1/2"	. 17	\$23.77C	\$4.04	2.92C	0.50
2	EMT COUP SS DC 1/2"	1	\$22.63C	\$0.23	4.50C	0.04
3	EMT CONN SS DC 1/2"	2	\$21.30C	\$0.43	4.50C	0.09
4	EMT STRAP 1H 1/2"	3	\$12.90C	\$0.39	4.50C	0.14
5	SQ4 1.5D 1/2" KO	1	\$103.97C	\$1.04	22.50C	0.23
6	SQ4-RING 1G RAISE 1/2"	1	\$60.17C	\$0.60	4.50C	0.04
7	DUPLEX 20A IV 5342-I	2	\$486.30C	\$9.72	22.50C	0.45
8	WIRENUT RED	3	\$5.59C	\$0.17	2.70C	0.08
9	PLATE DUPLEX 2G IV	1	\$40.08C	\$0.40	3.60C	0.04
10	THHN CU SOLID #12	43	\$47.43M	\$2.04	4.50M	0.19
11			E		E	•
12			E		E	
13			E		E	
14			Е		E	
15			E		E	
16			Е		Е	
17			Е		E	
18			E		E	
19			Е		E	
20			E		Ε	
SUB	TOTAL			\$19.06		1.80
MUL	TIPLIER (DEFAULT=1)		Х	1.00	Х	1.00
ASS	EMBLY TOTAL			\$19.06		1.80

<u>Material List Printout</u> (from Material List Module)

MATER	IAL LIST	PAGE 1	MAT	ERIAL LIST	PAGE 2
JOB:	UNTITLED		JOI	3: UNTITLED	
FILE	C:\EST\MAT2.BWB		FII	E C:\EST\MAT2.BWB	
DATE	09/01/98		DA	те 09/01/98	
#	ITEM	QTY	#	L'I'EM	QTY
1	WIRENUT RED	913	51	EMT L"	190
2	WIRENUT GRAY	26	52	DUPLEX ZUA IV 5342-1	50
3	THHN CU STRANDED 300	400	55 E 4	DUPLEX ISA IV 5320-ICP	44
4	THHN CU STRANDED 3/0	240	54	DUPLEA IDA IV 5242-1 DUCUINO DEACUITO 24	50
5	THHN CU STRANDED #12	1,200	55	DUSHING PLASTIC 3"	2
6	THHN CU SOLID #12	20,876	57	BUSHING PLASIIC 2	2
.7	THHN CU SOLID #10	1,200	58		
8	SW 4W 20A IV CS420-2I	29	59		
9.	SW 3W 20A IV CS320-2I	100	60		
10	SW 1P 20A IV CS120-21	102	61		
10	SW 1P 15A IV CS115-21	12	62		
12	SQ411 COVER BLANK	6	63		
14	SQ411 2.1D I" KO	6	64		
15	SQ4-RING 2G RAISE 1/2"	30	65		
10	SQ4-RING IG RAISE 1/2"	130	66		
17	SQ4 COVER BLANK	20	67		
10	SQ4 1.5D COMBO	0	68		
10	$SQ4 = 1.5D = 3/4^{\circ} KO^{\circ}$	8	69		
70	SQ4 I.SD I/2 KO	90	70		
20	PVC 40 EDD 3/4"	14	71		
22	PVC 40 3/4"	44 350	72		
23	PLATE SWITCH 3G IV	55	73		
2.4	PLATE SWITCH 2G IV	30	74		
25	PLATE SWITCH 1G IV	18	75		
26	PLATE DUPLEX 2G TV	32	76		
27	PLATE DUPLEX 1G TV	80	77		
28	LOCKNUT 3"	4	78		
29	LOCKNUT 2"	4	79		
30	GRC ELL 3"	3	80		
31	GRC ELL 2"	2	81		
32	GRC COUP 3"	10	82		
33	GRC COUP 2"	6	83		
34	GRC 3"	120	84		
35	GRC 2"	60	85		
36	GANG RING RAISE 3/4" 3G	55	86		
37	GANG BOX 1 5/8" DEEP 3G	55	87		
38	FLEX STEEL 1/2"	40	88		
39	FLEX CONN SQ DC 1/2"	20	89		
40	EMT STRAP 1H 3/4"	267	90		
41	EMT STRAP 1H 1/2"	823	91		
42	EMT STRAP 1H 1"	41	92		
43	EMT COUP SS DC 3/4"	112	93		
44 .	EMT COUP SS DC 1/2"	357	94		
45	EMT COUP SS DC 1"	24	95		
46	EMT CONN SS DC 3/4"	100	96		
47	EMT CONN SS DC 1/2"	342	97		
48	EMT CONN SS DC 1"	10	98		
49	EMT 3/4"	1,224	99		
50	EMT 1/2"	4,057	100	1	

Pricing Sheet (Without Prices and Extensions)

		PRICING SHEE	ET #1	
JOE	3 NAME	SAMPLE		
DES	SCRIPTION	BRANCH CIRCU	JIT POWER	
#	ITEM	QTY	M/PRICE	PER
1	EMT 1/2"	1,200		
2	EMT 3/4"	450		
3	EMT 1"	130		
4	EMT COUP SS DC 1/2"	140	<u> </u>	
5	EMT COUP SS DC 3/4"	52		
6	EMT COUP SS DC 1"	16		
7	EMT CONN SS DC 1/2"	46		
8	EMT CONN SS DC 3/4"	20		
9	EMT CONN SS DC 1"	8		
10	EMT STRAP 1H 1/2"	260		
11	EMT STRAP 1H 3/4"	113		
12	EMT STRAP 1H 1"	26		
13	SO4 1.5D COMBO	60		
14	~ SO411 2.1D 1" KO	4		
15	SO4 COVER BLANK	10		
16	SO411 COVER BLANK	4		
17	SO4-RING 1G RAISE 1/2"	50		
1.8	DUDLEY 15A IV 5242-T	50		
19	DIATE DIDLEY 1C TU	50		
20	THATE DOPLEA IG IV	4 900		
20	MIDEMIM DED	4,000	<u> </u>	
21	WIRENUT RED	210		
22				
20				
24				
25				
26				
27				
28				
29				
30			·····	
31				
32				
33				
34			<u> </u>	
35			· · · · · ·	
36				
37				
38				
39				
40				
41				
42				
43				
44				

DATA ENTRY

<u>GENERAL</u>

Screens are divided into four (4) cell types listed below.

1. FIXED CELLS (No entry allowed) ————————————————————————————————————	MATERIAL \$2,819.28 \$838.61 \$1,225.09 \$653.73 \$170.73 \$2,835.47
X X X X X X X X X X X X X X X X X X X	Double click to toggle) e red letters on a green e click on the cell to toggle
3. ENTRY CELLS (Input numbers or letters) ——— The entry cells have blue letters on a yellow back- ground. With the mouse, activate the cell and from the keyboard type in the numbers or letters.	30.00 24.00
LIGHTING POWER QUOTE #1 QUOTE #2 QUOTE #3 QUOTE #4 QUOTE #4 QUOTE #5 QUOTE #6 QUOTE #7 QUOTE #8	lick to select item) etters on a gray background. e cell to select an item.



ASSEMBLY PRICE SHEET



ASSEMBLY MAKEUP SHEET



If you wish, you may manually enter items on the makeup sheet. Type in the description, arrow one cell right and enter quantity, arrow one cell right and enter the price, arrow one cell right and enter multiplier (E, C or M), arrow two cells right and enter the labor unit, and arrow one cell right and enter multiplier (E, C or M).



If you wish, you may manually enter items on the pricing sheet. Type in the description, arrow one cell right and enter quantity, arrow one cell right and enter the price, arrow one cell right and enter multiplier (E, C or M), arrow two cells right and enter the labor unit, and arrow one cell right and enter multiplier (E, C or M).

LIGHTING QUOTATION SUMMARY



LIGHTING FIXTURE QUOTATION



POWER OR MISC. QUOTATION



LABOR RATE WORKSHEET



6-7



PERMIT COST WORKSHEET



BONDING COST WORKSHEET

There are two methods of using this worksheet.

Tiered Method - Enter ascending dollar values for 1st, 2nd, 3rd and 4th tiers. Then enter descending percentage values for bonding rates.



Standard Method - Enter percentage value for bonding rate at 5th tier. Do not enter ascending dollar values for 1st, 2nd, 3rd and 4th tiers. Do not enter any percentage values for bonding rates at 1st, 2nd, 3rd, or 4th tiers.



GENERAL PROJECT INFORMATION (Non-Linked Worksheet)



OUTGOING BIDS (Non-Linked Worksheet)





The print manager is used to select the worksheets you wish to print. Simply double click on the automatic cells to select the sheets you wish to print.



After selecting worksheets, goto the pulldown menu and select Start Printing.

DO	UBLE CLICK - Electrical Estima	ating - [SAMPL	E.BWB]				_ 🗆 🗵
📰 File	e Edit Recap Assembly Sheets	Pricing Sheets	Quotes	Other F	Print Pricing Menu		_ 8 ×
PR	INT MANAGER				Print Manager Start Printing	CAP	É
X X	RECAP SHEET ASSEMBLY SHEET #1	X L X L	IGHTING	SOM VEN	MakeUp Manager Start Printing MakeUps	BOR RATE WORKSHEET B COST WORKSHEET	
X I	Select Print and Sta from the pulldown m	rt Printing enu.	SHTING SHTING	VENDO VENDO	DR #2 X P DR #3 X B	ERMIT COST WORKSHEET ONDING COST WORKSHEET	

NOTE: Printing takes 20-60 seconds per page and printing all sheets can take 20-45 minutes.

The makeup manager is used to select the makeup sheets you wish to print. Simply double click on the automatic cells to select the sheets you wish to print.

AS	SEMBLY MAKEUP PR	NINT MANAGER				RECAP		
	MAKEUP #1	MAKEUP #21		MAKEUP #41		MAKEUP # Typic	al	KEUP #81
	MAKEUP #2	MAKEUP #22		MAKEUP #42		MAKEUP # hot ce	ells	KEUP #82
X	MAKEUP #3	MAKEUP #23		MAKEUP #43		MAKEUP #63		MAKEUP #83
	MAKEUP #4	MAKEUP #24		MAKEUP #44		MAKEUP #64		MAKEUP #84
X	MAKEUP #5	MAKEUP #25		MAKEUP #45		MAKEUP #65		MAKEUP #85
X	MAKEUP #6	MAKEUP #26		MAKEUP #46		MAKEUP #66		MAKEUP #86
X	MAKEUP #7	MAKEUP #27		MAKEUP #47		MAKEUP #67		MAKEUP #87
X	MAKEUP #8	MAKEUP #28		MAKEUP #48		MAKEUP #68		MAKEUP #88
X	MAKEUP #	EUP #29		MAKEUP #49		MAKEUP #69		MAKEUP #89
	MAREUP #	EUP #30		MAKEUP #50		MAKEUP #70		MAKEUP #90
X	MAKEUP # she	EUP #31	X	MAKEUP #51		MAKEUP #71		MAKEUP #91
X	MAKEUP #	EUP #32	X	MAKEUP #52		MAKEUP #72		MAKEUP #92
X	MAKEUP #13	MAKEUP #33	X	MAKEUP #53		MAKEUP #73		MAKEUP #93
X	MAKEUP #14	MAKEUP #34	X	MAKEUP #54		MAKEUP #74		MAKEUP #94
X	MAKEUP #15	MAKEUP #35		MAKEUP #55		MAKEUP #75		MAKEUP #95
	MAKEUP #16	MAKEUP #36		MAKEUP #56		MAKEUP #76		MAKEUP #96
	MAKEUP #17	MAKEUP #37		MAKEUP #57		MAKEUP #77		MAKEUP #97
	MAKEUP #18	MAKEUP #38		MAKEUP #58		MAKEUP #78		MAKEUP #98
	MAKEUP #19	MAKEUP #39		MAKEUP #59		MAKEUP #79		MAKEUP #99
	MAKEUP #20	MAKEUP #40		MAKEUP #60		MAKEUP #80		MAKEUP #100
	NOTE: PRINTING	TAKES 20-60 SECONI)S	PER PAGE. PRINTI	NG	ALLSHEETS TAKES	30	-90 MIN.

After selecting worksheets, goto the pulldown menu and select Start Printing MakeUps.

DOUBLE CLICK - Electrical Estimating - [SAMPLE.BWB]				_ 🗆 🗙
📰 File Edit Recap Assembly Sheets Pricing Sheets Quotes	Other	Print Pricing Menu		_ 8 ×
ASSEMBLY MAKEUP PRINT MANAGER		Print Manager Start Printing		
X MAKEUP #1 MAKEUP #21 X MAKEUP #2 MAKEUP #22 X MAKEUP #3 MAKEUP #23 Select Print and Start Printing MakeUps from the pulldown menu.	MAKEU MAKEU MAKEU MAKEU	MakeUp Manager Start Printing MakeUps P #43 MAKEUP P #44 MAKEUP P #45 MAKEUP	#61 M. #62 M. #63 M. #64 M. #65 M.	AKEUP #81 AKEUP #82 AKEUP #83 AKEUP #84 AKEUP #85

NOTE: Printing takes 20-60 seconds per page and printing all sheets can take 30-90 minutes.

DATA IMPORT SCREEN (Linked To Database)

Use this screen to select items to import.

- Single Item Double click on the description (Hot Cell) to import one single item.
- Multi Item Double click on the (Automatic Cells) to select multiple items and then double click on Import Tagged Items (Hot Cell) to import tagged items.



To view labor units used the pagedown key.

LABOR	STANDARD	Ρ	ADJUST	ADJUSTED	USER
GALVANIZED RIGID CONDUIT	LABOR UNIT	E R	☆ Double click to select labor level	LABOR UNIT	LABOR UNIT
				ACTIVE	
GRC 1/2"	4.00	С	-10	3.60	
GRC 3/4"	4.50	С	-10	4.05	Brown act
GRC 1"	5.00	С	-10	4.50	indicate
GRC 1 1/4"	7.00	С	-10	6.30	selectio
GRC 1 1/2"	8.00	С	-10	7.20	
GRC 2"	10.00	С	-10	9.00	
GRC 2 1/2"	12.00	С	-10	10.80	
GRC 3"	14.00	С	-10	12.60	
GRC 3 1/2"	16.00	С	-10	14.40	
GRC 4"	18.00	С	-10	16.20	
GRC 5"	25.00	С	-10	22.50	
GRC 6"	30.00	С	-10	27.00	

MENUBARS, MENUS and COMMANDS

Double Click has a feature called Smart Menus. The program automatically displays a different menubar when working with various sheets.

MAIN MENUBAR



The Pricing Menu command is grayed out and is only active when working with a pricing or makeup sheet.

FILE MENU

DEFAULT - [SAMPLE.	BWB]	_ 🗆 ×
🔲 File Edit Recap Ass	embly Sheets Pricing Sheets Quotes Other Print Pricing Menu	_ 8 ×
Open Close Save Save As Export MAT Files Template Save Template Read Template Blank Brites Satur	Open - Opens a file stored on your hard disk Close - Closes current file Save - Saves current file SaveAs - Saves current file with a new name Template Save - Saves a template file	
Exit	Template Read - Reads a template file Template Blank - Reads a blank template file Export MAT Files - Exports files to Material List Module	
	Printer Setup - Allows you to select a printer Exit - Exits Double Click returns to Windows	

EDIT MENU



RECAP MENU

DOUBLE	CLICK - Electrical Estima	ting - [SAMPLE.BWB]	_ 🗆 ×
📰 File Edit	Recap Assembly Sheets	Pricing Sheets Quotes Other Print Pricing Menu	_ 8 ×
	Recap Top Ctrl+R		
	Recap Middle Ctrl+D		
	Recap Bottom Ctrl+S	Recap Top - Displays top portion of recap sheet	
		Recap Middle - Displays middle portion of recap sheet	
		Recap Bottom - Displays bottom portion of recap sheet	

DO	UBLE	CLICK -	Electrical Estimat	ing - [SAMPL	E.BWB]				
📰 Fil	e Edit	Recap	Assembly Sheets	Pricing Sheets	Quotes	Other	Print	Pricing Me	enu _ 🗗 🗙
			Assemblies 1-50) Ctrl+A					
			Assemblies 51-1	00 Ctrl+Z	Δ	ssen	nblie	s 1-50	- Displays Assembly Price Sheet #1
			MakeUp 1-10		,			0 1 00	Bioplaye Accountry 1 nee encour 1
			MakeUp 11-20		A	ssen	nblie	s 51-10	00 - Displays Assembly Price Sheet #2
			MakeUp 21-30			1 alcal	1 1	100	Diaplaya calentad makaya abaat
			MakeUp 31-40		IV	Лаке	Jpi	-100 -	Displays selected makeup sheet
			MakeUp 41-50	•					
			MakeUp 51-60	•					
			MakeUp 61-70	•					
			MakeUp 71-80	•					
			MakeUp 81-90	•					
			MakeUp 91-100))					

PRICING SHEET MENU

DOU	BLE (CLICK -	Electrical Estima	ating - [SAMPLE.BWB]				
📰 File	Edit	Recap	Assembly Sheets	Pricing Sheets Quotes	Other	Print	Pricing Menu	
				Pricing Sheet 1 Pricing Sheet 2	_			
			-	Pricing Sheet 18 Pricing Sheet 18	Γ	Pı	ricing Sheet 1-18	- Displays selected pricing sheet

QUOTES MENU

DOU	BLE (CLICK -	Electrical Estima	ting - [SAMPL	E.BWB]		
📰 File	Edit	Recap	Assembly Sheets	Pricing Sheets	Quotes Other	Print Pricing Me	nu _ B ×
					Lighting 🕨	Summary	
					Power	Vendor 1	Linkting Displays Linkting Overlag Common
					Quote 1	Vendor 2	Lighting - Displays Lighting Quotes Summary
					Quote 2	Vendor 3	Vendor 1-6 - Displays selected quote
					Quote 3	Vendor 4	
					Quote 4	Vendor 5	Power - Displays Power Quote
					Quote 5	Vendor 6	Queto 1.9 Displays selected queto
					Quote 6		Quole 1-0 - Displays selected quole
					Quote 7		
					Quote 8		

OTHER MENU

DOUBLE CLICK - Electrical Estimating - [SAMPLE.BWB]		
📰 File Edit Recap Assembly Sheets Pricing Sheets Quotes	Other Print	Pricing Menu
	Bids	Ctrl+B
Bids - Displays outgoing bids	Bond	Ctrl+C
Dead Displays has displayed at a	Exclusion	s Ctrl+E
Bond - Displays bonding worksneet	General	Ctrl+G
Exclusions - Displays exclusions	JOD LOST	Ltri+N CHU
General - Displays project information	Permit Fe	e Ctrl+L e Ctrl+J
	Proposal	Ctrl+O
Job Cost - Displays Job Cost	Scope of	Work Ctrl+F
Labor Rate - Displays labor rate	Title Page	e Ctrl+T
Permit Fee - Displays permit cost		
Proposal - Displays proposal		
Scope of Work - Display scope of work		
Title Page - Displays title page		

PRINT MENU



PRICING MENUBAR

The pricing menu bar activates anytime you display a pricing or makeup sheet.



FILE MENU

DOUBLE CLICK - E	ectrical Estimating - [SAMPLE.BWB]						
🔲 File Edit Conduit	Fittings Hangers Fasteners Boxes Wireway Wire Devices Power Defaults Main Menu						
Open							
Close Save	Open - Opens a file stored on your hard disk						
Save As	Close - Closes current file						
Export MAT Files	Save - Saves current file						
Printer Set <u>u</u> p	SaveAs - Saves current file with a new name						
Exit							
<u>.</u>	Export MAT Files - Exports files to Material List Module						
	Printer Setup - Allows you to select a printer						
	Exit - Exits Double Click returns to Windows						

EDIT MENU

DOUBLE CLICK - Electrical Estimating - [SAMPLE.BWB]									
📰 File Edit Conduit Fittings Hangers	Fasteners Boxes Wireway Wire Devices Power Defaults Main Menu	_ 8 ×							
Clear Active Worksheet									
Copy Active Worksheet									
Paste Clipboard Worksheet	Clear Active Worksheet - Clears active sheet								
Arrange Active Worksheet									
	Copy Active Worksheet - Copy active sheet to clipboard								
	Paste Clipboard Worksheet - Paste clipboard to active sheet								
	Arrange Active Worksheet - Delete items with zero quantiti	es							



ACTIVE CELL IN ITEM COLUMN



DATABASE SCREEN

Once you have selected an item, the following screen will appear.



DATABASE MENUBAR

Once the database screen displays, the Database Menubar appears.

🛗 DOUBL	E CLICK -	Electrical Est	timating -	[SAMPLE.BWB]	
🔳 Import	Tag Items	Special Tags	Defaults	Return	_ 8 ×

IMPORT MENU

DOUBLE CLICK - Electrical Estimat	ing - [SAMPLE.BWB]	
Import Tag Items Special Tags Def	aults Return	_ & ×
Import Tagged Items		
Imp	oort Tagged Items - Any items marked with tags	
wil	be transferred to the pricing or makeup sheet.	

TAG MENU

DOUBL	E CLICK - Electrica	Estimating - [SAMPLE.BWB]	_ 🗆 ×
🔲 Import	Tag Items Special T	ags Defaults Return	_ 8 ×
	GRC 1/2"		
	GRC 3/4"		
	GRC 1"	You may tag single items, tag all items, or clear all	
	GRC 1 1/4"	tags from the pulldown menu	
	GRC 1 1/2"		
	GRC 2"		
	GRC 2 1/2"		
	GRC 3"		
	GRC 31/2"		
	GRC 4"		
	GRC 5"		
	GRC 6"		
	Tag All Items		
	Clear All Tags		

SPECIAL TAGS MENU

DOUBL	.e Click -	Electrical Estimating -	[SAMPL	E.BWB]	_ 🗆 ×
🔲 Import	Tag Items	Special Tags Defaults	Return		_ 8 ×
		Tag 1st Three Items About Special Tags	t v	You may tag the first three items in a material group by usin he Tag 1st Three Items command. This can be very helpfu when taking off branch circuit wiring.	g I

EXAMPLE: 1/2", 3/4" and 1" items are used on branch circuit wiring and may be tagged with one action of the mouse.

DEFAULTS MENU

DOUBLE CLICK - Electrical Es	timating - [SAMPLE.BWB]		_ 🗆 ×
📕 Import Tag Items Special Tags	Defaults Return		_ 8 ×
	Trade Price ✔ Adjusted Price User Price	You may also set pricing and labor levels from	
	Standard Labor ✓ Adjusted Labor User Labor	Active levels marked with a check mark.	

RETURN MENU

🔛 DOUBL	e click -	Electrical Es	timating -	[SAMPLE.BWB]	
🔲 Import	Tag Items	Special Tags	Defaults	Return	_ <u>8</u> ×
				Return to Pricing or MakeUp Sheet	

Return - Return to main menu without importing items.

PRICING MENUBAR (continued)

After returning from the database screen the pricing menubar will reappear.

DOU	BLE C	CLICK - E	lectrica	l Estimati	ng - [SAMI	PLE.BW	/B]						
📰 File	Edit	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults	Main Menu	_ <u>-</u> ×

DEFAULTS MENU

DOUBLE CLICK - Electrical Estimating - [SAMPLE.BWB]	
🚍 File Edit Conduit Fittings Hangers Fasteners Boxes Wireway Wire Devices Power	Defaults Main Menu _ 문 ×
You may also set pricing and labor levels from the pulldown menu	Trade Price ✓ Adjusted Price User Price
You may also set the Cursor Right or Cursor Down defaults.	Standard Labor ✓ Adjusted Labor User Labor
Active levels marked with a check mark.	Cursor Right ✔ Cursor Down

CURSOR RIGHT

If you set the cursor right default, the active cell will move one cell right after material has been transferred from database.

Before Transfer



After Transfer

RECA	AP	PRICING SHEE	ING SHEET #1				
JOB	NAME	SAMPLE	AMPLE				
DESC	CRIPTION	BRANCH CIRCU	IT				
#	ITEM	QTY	M/PRICE				
1	GRC 1/2"		\$90.94 C				
2			E				
3			F				
4		Active	Active cell position after transfer				
		, (61170	ben position after transfer				

The cursor right default is ideal if you select one item at a time and wish to input the quantity after transferring data from the database.

If you plan to transfer more than one material item or you do not plan to input quantities after transferring data, you should use the cursor down default.

CURSOR DOWN

Before Transfer



After Transfer



The cursor down position leaves the active cell in the item column so you can access the database menu without repositioning the cursor.

RETURN to MAIN MENU



RETURN to PRICING MENU

BOUBLE CLICK - Electrical Estimating - [SAMPLE.BWB]										
📰 File	Edit	Recap	Assembly Sheets	Pricing Sheets	Quotes	Other	Print	Pricing Menu		
								Return to F	Pricing Menu	
		F	rice Menu -	Return to	price	menu	L			

SAVING, OPENING & DELETING FILES

When you start the Double Click Electrical Estimating Software, the program always loads the default file EST.BWB. When you receive your program this file is blank. We recommend you leave this file blank until such time as you are completely familiar with this program.

MAIN MENUBAR - [FILENAME]

	Current filename displa	yed in brackets [EST.BWB]
DOUBLE CLICK Electrical Estimating	- [EST.BWB]	
🔲 📰 File Edit Recap Assembly Sheets F	r icing Sheets Quotes Other Print Pricing Menu	

CLOSING A FILE

We recommend you only work with one file at a time. Before opening a file, select the File & Close commands from the pulldown menu.

	OUB	LE CL	ICK E	lectrical Estima	ting - [EST.BW	B]						_ 🗆 ×	1
-	File	Edit F	Recap	Assembly Sheets	Pricing Sheets	Quotes	Other	Print	Pricing Mer	าน		_ 8 ×	Ī.
	Oj	pen											
	CI	ose			 This co 	ommar	nd wi	ll clo	se the a	active file	9		
1	Sa	ave											
	Sa	ave As											
	E>	port M.	AT Files	s									
	Τe	emplate	e Save										
	Τe	emplate	e Read										
	Τe	emplate	e Blank										
	Pr	inter Se	etup										
	E)	at											

SAVING CHANGES BEFORE CLOSING

If you have not saved changes in the active file, the program will ask you if you want to save changes before closing.



If you click Yes or No the file will closed and no file will be displayed on screen.

CONTLE CLEX Element Frences	MH ID
He fild Pecal Acardé Neels Rong Neels Gales She Fiel Firing Firm	
PRATY TECHNI TECHNA	-

To open a file select File and Open commands from the pulldown menu.



Double click on the file you wish to open.

🚮 File Open	×	
File Name: sample.bwb Path: c:\est est.bwb sample.bwb	<u>Q</u> K <u>C</u> ancel <u>H</u> elp	Double click on filename
List Files of Type: Drives: Workbks (*.bwb) 🛨 [-c-] 🔮		

After double clicking the file will load.

Typical file loading times: Pentium I - 133 MHZ = 68 seconds Pentium II - 300 MHZ = 42 seconds

Filename appears on menubar

							ſ							
DOUBLE	CL	ICK Ele	ectrical Estimat	ing -	[SAMPLE	.BWB]							_ 🗆 ×	l
📰 File Edi	t R	есар .	Assembly Sheets	Pric	ing Sheets	Quotes	Other	Print	Pricing Menu				_ 8 ×	
C:\EST\S	AMP	LE.BW	ΙB				RECAF	SHE	ET			VERSION 1.	DA 🔺	L
JOB NAME		SAME	PLE								DATE	9-15-	98 🗖	L
EST BY:		PAUI									EST#	1.	23 🗌	L
SHEET										MATERIAL		LABOR HR	5. L	L
A1	X	ASSE	EMBLIES #1-	50						\$2,819.28		212.3	13	L
A2	X	ASSE	EMBLIES #50	-10	0					\$838.61		104.	04	L
1	X	BRAN	ICH CIRCUIT	PO	WER					\$1,225.09		144.	73	L
2	X	BRAN	ICH CIRCUIT	LI	GHTING					\$653.73		85.5	53	L
3	X	BRAN	ICH CIRCUIT	SI	TE LIGH	TING				\$170.73		17.	50	L
4	X	FEDD	ER CONDUIT	s						\$2,835.47		41.	48	L
5								NOT	USED					L
6								NOT	USED					L
7								NOT	USED					Ĺ
8								NOT	USED					

To save the active file select File and Save commands from the pulldown menu.



SAVE A FILE BY A NEW NAME

To save the active file by a new filename select File and SaveAs commands from the pulldown menu.



Enter new filename.

🙀 File Save 🔀				
File Name: TEST Path: c:\est est.bwb [] sample.bwb []	- Enter new filer	name then click O	к	
List Files of <u>Type</u> : Drives: Workbks (*.bwb) 🛨 [-c-]	NOTE: Simply the program w	type the new file ill automatically a	name in 8 letters dd the ".BWB" e:	or less, and xtension.
DOUBLE CLICK Electrical Estimation ITEST RWR1	New filename	e appears on mer	lubar	
File Edit Becan Assembly Sheets Pricing Sheets Upges Oth	er Print Pricing Menu			
C:\EST\TIST.BUB REC JOB NAME SAMPLE EST BY: PAUL SHEET A1 X ASSEMBLIES #1-50 A2 X ASSEMBLIES #50-100 1 X BRANCH CIRCUIT POWER 2 X BRANCH CIRCUIT LIGHTING 3 X BRANCH CIRCUIT SITE LIGHTING 4 X FEDDER CONDUITS 5 6 7 8	AP SHEET %2 \$1 NOT USED NOT USED NOT USED NOT USED NOT USED	DATE EST# MATERIAL 0,819.28 \$838.61 0,225.09 \$653.73 \$170.73 2,835.47	VERSION 1.0A 9-15-98 123 LABOR HRS. 212.13 104.04 144.73 85.53 17.50 41.48	

You may not delete a file from Double Click. To delete a file return to Windows and select the C:\EST folder.

		EST TOTO		
🚔 Est				_ 🗆 >
<u>File E</u> dit <u>V</u> iew <u>H</u> elp	0			
Name	Size	Туре	Modified	4
📓 Test	2,058KB	BWB File	10/3/98 11:52 AM	
📓 Est	2,058KB	BWB File	10/2/98 11:00 AM	
📓 Sample	2,058KB	BWB File	10/2/98 10:57 AM	
🔄 🖻 Blank.bdt	366KB	BDT File	10/2/98 10:55 AM	
Sample.bdt	371KB	BDT File	10/2/98 10:46 AM	
1 object(s) selected	2.00ME	3		

Locate the file you want to delete and right click on the icon.

	Est						
Eil	e <u>E</u> dit <u>V</u> iew <u>H</u> elp						
N	ame	Size	Туре	Modified	▲		
P		2,058KB	BWB File	10/3/98 11:52 AM			
8	Upen	2,058KB	BWB File	10/2/98 11:00 AM			
8	Se <u>n</u> d To	2,058KB	BWB File	10/2/98 10:57 AM			
	0.4	- 366KB	BDT File	10/2/98 10:55 AM			
3		371KB	BDT File	10/2/98 10:46 AM	-		
D-		_					
_	Create <u>S</u> hortcut						
	<u>D</u> elete —						
	Rena <u>m</u> e	Select the Delete command					
	P <u>r</u> operties						

Windows will ask if you are sure you want to send the file to the Recycle Bin.

Confirm F	File Delete	×	
1	Are you sure you want to send 'Test' to the Recycle Bin?		Click YES to delete file
Ť	Yes	No	

File has been deleted.

🚔 Est				
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp				
Name	Size	Туре	Modified	▲
📓 Est	2,058KB	BWB File	10/2/98 11:00 AM	
📓 Sample	2,058KB	BWB File	10/2/98 10:57 AM	
🔊 Blank.bdt	366KB	BDT File	10/2/98 10:55 AM	
🔊 Sample.bdt	371KB	BDT File	10/2/98 10:46 AM	
Est	1KB	LST File	10/2/98 10:43 AM	-
1 object(s) selected	172KB			

NOTE: Windows will not let you delete a file that is in use.

TEMPLATE FILES

You may save or read template files. Template files differ from regular .BWB files in that they have a .BDT extension.

READING TEMPLATE FILES

To read a template file select File and Template Read commands from the pulldown menu.



DATA WARNING

When you read a template file, all information in the active file will be replaced with the information from the template file.

<mark> </mark> Data V	/arning	X
8	You are about to replace the data in the current file with data from a template file. Are you shure you want to replace this data?	
	Ok	
	Ckick OK to displa	y a list of template fil

Double click on the template file you wish to read.

🚮 Load Template 🛛 🗙	
File Name: sample.bdt Path: c:\est blank.bdt sample.bdt L.] Help	— Double click on the file you want to read
List Files of Type: Drives: Workbks (*.bwb) 👱 [-c-]	
After double clicking the program will read the template file.

Typical file reading times: Pentium I - 133 MHZ = 25 seconds Pentium II - 300 MHZ = 14 seconds



After the template has been read all information in the active file has been replaced. The filename for the active .BWB remains the same.

			_	🦯 Filename re	emains the same			
DOUBLE	CLI	CK Electrical Estimating - [EST.BWB]					_ 🗆	×
📰 File Edit	R	ecap Assembly Sheets Pr icing Sheets Qu otes	Other	Print Pricing Menu			_ 8	х
C:\EST\ES	Τ.Ι	BWB	RECAP	SHEET		VERSION	1.0A	
JOB NAME		SAMPLE TEMPLATE			DATE			
EST BY:					EST#	TADOD	IIDC	
SHEET	v	ASSEMBITES #1_50			MATERIAL	LABOR	HRS.	
A2	x	ASSEMBLIES #1-50	\mathbf{i}					
1	x	BRANCH CIRCUIT POWER						
2	X	BRANCH CIRCUIT LIGHTING		\mathbf{i}				
3	X	BRANCH CIRCUIT SITE LIGHTING		\mathbf{X}				
4	X	FEDDER CONDUITS						
5	X	\mathbf{X}						
6	X	\sim						
7	X	\sim						
8	X			```				
		\sim			\mathbf{i}			
		All i	nform	ation has chan	ged			

Template files are files you create to use as a beginning point for an estimate. The template files should have material items, prices, and labor units. In a template file all quantities should be zero.

Let's look at the sample file assembly sheet.

DOL	JBLE C	LICK Ele	ectrical Estimat	ting - [ES	ST.BW	'B]						_ [×
🔳 File	Edit	Recap	Assembly Sheets	Pricing	Sheets	Quote	s Other	Print	Pricing Menu	,		_ 6	P ×
RECAP	•				ASSE	MBLY	PRICE	SHEE	ET #1		DATE		
JOB N	AME				SAMF	LE TE	MPLATI	Ε			EST #		
ASSEM	BLIES	6 1-50									EST. BY		
#	ITEM					QTY	M×	PRIC	Έ	M⁄EXT	L/UNIT	L/EXT	
1	SV 1	G 1-1E))					\$9.5	0 E		1.33 E		
2	SV 1	G 1−3∛	Ţ				ę	12.2	8 E		1.56 E		
3	SV 1	G 1-4%	Ţ				ę	22.7	2 E		1.69 E		
4									E		E		
5	SW 2	G 2-1E))				ę	13.5	6 E		1.76 E		
6	SW 2	9 1–1E	° 1−3₩				ę	:16. 4	0 E		2.0µ E		
7	SW 2	G 1-1E	° 1−4W				ę	:26.B	9 E		2.1 E		
8	SW 2	G 2-31	Ţ				ę	18.2	4 E		2.14 E		
						1			1				
						1			1				
		1				1			1		1		
	Ass	embly				1		Ass	embly		Assembly		
	des	criptio	ns			1		pric	es		labor		
	ente	ered				1		ente	ered		entered		
						1							
						1							
					No	quan	tities						
					ent	ered							

Let's look at the sample file pricing sheet.



SAVING A TEMPLATE FILE

Select the File and Template Save commands from the pull down menu.

DOUBL	e cl	ICK E	lectrical Estima	ting - [EST.B₩	B]				
📰 File Ed	dit F	Recap	Assembly Sheets	Pricing Sheets	Quotes	Other	Print	Pricing Menu	_ & ×
Ope	n								
Clos	e								
Sav	e								
Sav	e As								
Exp	ort M.	AT File:	s						
Tem	nplate	Save	· · · · · · · · ·	This comma	and wi	ll sta	rt the	e template save process	
Tem	nplate	Read							
Tem	nplate	Blank							
Prin	ter Se	etup							
Exit									

Enter new filename.

🙀 Put Version 🛛 🗙	
File Name: TEST Path: c:\est blank.bdt sample.bdt	Enter new filename then click OK
List Files of Type: Drives: BDT Files (*.bdt) 🔮 [-c-] 🔮	NOTE: Simply type the new filename in 8 letters or less and the program will automatically add the ".BDT" extension.

Always save input cells.

Rut Version Options	
Input Cells Input Cells And Formula Results All Cells	Always select input cells
<u>O</u> K <u>C</u> ancel <u>H</u> elp	

NOTE: Always save input cells. Saving in any other format will result in loss of data.

LOAD A BLANK TEMPLATE

Select the File and Template Blank commands from the pulldown menu.

	DOU	BLE (CLICK E	lectrical Estimati	ng - [EST.BW	B]				_ 🗆 ×
_	File	Edit	Recap	Assembly Sheets	Pricing Sheets	Quotes	Other	Print	Pricing Menu	_ 8 ×
	(((() () () () () () () () (Dpen Dose Save Save A Save A Export Fempla Fempla Printer Exit	s MAT File: te Save te Read te Blank Setup	s 	- This cor	nmano	d will	load	a blank template	

Template Blank command is useful in clearing all data from the file.

DELETING TEMPLATE FILES

Using Windows you may delete template .BDT files the same way as you delete .BWB files.

PRICING & LABOR SOFTWARE

Included with your purchase of your Double Click - Electrical Estimating Software is a FREE 1-Year subscription to the Pricing & Labor Software. The installation program will automatically install your first pricing update. You will automatically receive updated prices every four (4) months. Two additional pricing updates will be shipped during the FREE 1-Year period.

After the first year your renewal subscription to the Pricing & Labor software is only \$295 per year. An invoice will automatically be sent to you when your FREE subscription is about to expire.

INTRODUCTION

The Pricing & Labor Software is a subscription service program designed to aid electrical contractors in the preparation of cost estimates. The program contains a database of both material cost (Trade Prices) and labor units. The program also allows the user to estimate small jobs or change orders on the built-in pricing and recap sheets.

AUTOMATIC PRICE UPDATES

Subscribers to the Pricing & Labor Software receive three price updates per year. The prices are updated via diskette in January, May, and September.

NEW ITEMS OR DELETIONS

In addition to updated prices three times per year, the database is periodically updated with information about new or deleted items by the manufacturers.

LINK TO ESTIMATING PROGRAM

The Pricing & Labor Software also links to the Double Click Electrical Estimating Program.

PRICING INFORMATION

The prices in this program are TRADE PRICES and are the published prices of various manufacturers. Trade prices are updated by the manufactures every 9 - 18 months. Each pricing screen in the program lists the manufacturer, price, and the date the prices were published.

INDUSTRY STANDARD PRICING

It has long been the standard of the industry to use these TRADE PRICES for the basis of calculating your actual cost. We did not create this standard, it simply evolved over time. While this may not be the best system, it is the most widely used and accurate system we have found.

SUPPLIER DISCOUNTS

Your local electrical supplier can provide you with a list of discounts to be used with these trade prices. These discounts can be entered in the program thus providing you with adjusted cost. When you receive your program, typical discounts have already been entered in the database. You may change these discounts to more accurately reflect your market conditions.

ADJUSTED PRICING LEVELS

We highly recommend you change the discount levels to reflect your adjusted pricing levels. This way when the trade prices are updated, the adjusted prices will reflect these changes.

USER PRICING

The Pricing & Labor Software also allows the user to enter his own price for any material item. If you enter user pricing, you will have the enormous task of updating you own prices. We highly recommend using the adjusted pricing levels.

BID LEVEL PRICING

It is important to understand that bidding work at today's actual cost can result in loss of profits. If you bid at your cost these prices may change prior to purchasing the materials. It was with this thought in mind that we created the database of discount levels in the program. The adjusted prices in this program should be somewhat higher than your actual cost. Please check these discounts with your supplier.

LABOR UNITS INFORMATION

The labor units in the program are from the "Electrical Contractors Labor Units Manual" published by Durand & Associates. These labor units were compiled over the past 30 years using actual job cost data from various electrical contractors.

COMPETITIVE LABOR UNITS

The labor units in this program are competitive. Meaning they are more realistic than labor units found in the NECA or R.S. MEANS manuals. We consider these labor units to be Bid-Level Competitive.

ADJUSTED LABOR UNITS

When you receive your program, a -10% adjustment factor has been entered in the labor adjustment column. You may change these adjustment factors to more accurately reflect your market conditions.

USER LABOR UNITS

This program also allows the user to enter his own labor unit for any material item.

BID LEVEL LABOR

It is important to understand bidding work with excessively low labor units can result in loss of profits. The adjusted labor units in this program should be somewhat higher than your actual labor. Please check these adjustments against your past productivity levels .

ABOUT THIS PROGRAM

The Pricing & Labor Program is actually two (2) programs in one. First is the DATABASE mode, and second is the ESTIMATING mode.

DATABASE MODE

The DATABASE mode is used to maintain your database and lookup prices and labor units. When using the DATABASE mode, you may lookup any price, change any discount, or enter your own prices. Any changes you make to the database can be saved to the hard disk. In this mode you may also print out any page from the database. There are over 900 pages of pricing and labor information in the database.

ESTIMATING MODE

In the ESTIMATING mode you can use the pricing sheet with both prices and labor units, use a recap sheet to summarize your selling price, and printout an estimate. This ESTIMATING mode is ideal for change orders or estimating small jobs. If you need to prepare large estimates, you should use the Double Click Electrical Estimating Program.

STARTING THE PROGRAM

Double click on the PL icon located on the desktop. This will start your Pricing & Labor Software. The program automatically loads the default file PL.BWB at start up. When you receive your program, this file is blank.

Program/File loading times:	Pentium I - 133 MHZ = 12 seconds
	Pentium II - 300 MHZ = 5 seconds

Once the programs starts, it will display the database screen for rigid conduit.

DOL	JBLE C	LICK - P	ricing &	Labor - [I	PL.BWB]		1. P	1. P	D .		D. / N. D		_ 🗆 ×
<u> </u>	<u>G</u> oto	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults Print		_ B ×
													L A
	MA	TERIAL					TRAD	ΕP	ADJ	UST	ADJUSTED	USER	F
							PRIC	ΈE	\$	6	PRICE	PRICE	
								R					
	GA	LVANIZ	ED RIG	SID CON	DUIT								
	IT	EM											
	GR	C 1/2"					\$151.5	6 C		10	\$90.94		
	GR	C 3∕4"					\$193.8	8 C		0	116.33		
	GR	C 1"					\$291.3	5 C	: <u>-</u> ,	10	174.81		
	GR	C 1 1/	4 "				\$377.4	4 C		0	226.46		
	GR	C 1 1/	2"				\$458.8	1 C		10	275.29		
	GR	C 2"					\$615.1	8 C		0	369.11		
	GR	C 2 1/	2"			\$	1,001.7	7 C	-:	25	751.33		
	GR	C 3"				\$	1,284.6	0 C		25	963.45		
	GR	C 3 1/	2"			\$	1,562.0	7 C	-1	25	1,171.55		
	GR	C 4"				\$3	1,825.0	6 C	-:	25	1,368.79		
	GR	C 5"				\$	3,629.8	9 C	-:	25	2,722.42		
	GR	C 6"				\$	5,072.4	5 C		25	3,804.34		
	TR	ADE PR	RICES #	RE ALL	IED 3/30	0/98							
	SH	OU LAR	OR UNI	TS									

WORKING IN THE DATABASE MODE

In the DATABASE mode you may do the following:

- 1. Lookup material prices and labor units.
- 2. Change adjustments for material prices or labor units.
- 3. Enter user data for material prices and labor units.
- 4. Save changes to database.
- 5. Print database sheet.

Using the mouse select EMT conduit from the database menu.

DOU	BLE C	LICK - Pri	cing &	Labor - [F	PL.BWB]									
🔲 <u>F</u> ile	<u>G</u> oto	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults	Print		_ 8 ×
		Rigid	•	[
		EMT	Þ	Condu	ait 🚽									
		Alumin	um ⊧	Elbow	s		<u> </u>							
		IMC	•	Coupl	ings 🕨									
		Rigid/I	PVC ►	Conne	ectors 🕨					- Se	elect	ЕМТ	Conduit	
		PVC 4	0 🕨	Straps	:									
		PVC 8	0 🕨											
		PC Du	ict 🕨 🕨	I										
		ENT	•	I										
		Flex	•	1										
		LT Fle	× •											

The screen now displays EMT database information.

CHANGING DATABASE ADJUSTMENT

You may now change the adjustments by selecting a cell and typing in a new number.

m DOU	BLE C	LICK - P	ricing &	Labor - [F	PL.BWB]										_ 🗆 ×
🔲 <u>F</u> ile	<u>G</u> oto	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults	Print			_ 8 ×
	MA	TERIAL					TRAD PRIC	E P E E P	ADJ	UST ¢	Ente	er user ing her	е	USER PRICE	
	EM	T COND	UIT					K					$\overline{\}$		
	тт. ЕМ.	En T 1/2"					639 6	2 C		10		672 77			
	EM.	т 172 т 274 "					062-0	$\frac{1}{2}$		10		V23.77		`	
	EM.	т 37 ч Т 1 "					\$114 9	лс лс		10		40.J/ 68.96			
	EM	 F 1 1/	A "	Enter	new		\$160 5	2 C		10		96 31			
	EM	г т т/ Г 1 1/	* 2"	numb	er here	э.	\$192.3	2 C 9 C		10		115 43			
	EM.	т 2"	-	F vom		_	\$238.6	2 C				143 21			
	EM	 Г 2 1/	2"	Exam	pre -4	^р	\$487.6	о с 3 с	_	25		365 72			
	EM	т з"					\$641.2	4 C		5		480 93			
	EM	 ГЗ1/	2"				\$889.9	2 C		25		667.44			
	EM	Г 4 "	-			s	1.000.2	 0 C	-2	25		750.15			
	TR	ADE PR	ICES A	ARE ALL	Sh un IED Ho	now I lits	abor II	c							
	SH	OW LAB	OR UNI	TS											

To view labor units double click on the Show Labor Units hot cell.

Once the labor units are displayed, you may change the adjustments.

DOU	BLE C	LICK - P	ricing &	Labor - [l	PL.BWB]									_ 🗆 ×
🔳 <u>F</u> ile	<u>G</u> oto	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults Print			_ 8 ×
	LA	BOR					STANDAF LABC	2D P DR E	ADJ :	UST %	Enter use labor here	r Ə	USER LABOR	Ē
	EM	T COND	UIT				נאט	T R			UNIT	\sum	UNIT	
	IT	EM											\mathbf{A}	
	EM	T 1∕2"					3.2	25 C	<u> </u>	10	2.92		<u>\</u>	
	EM	T 3∕4"					3.5	0 C	-	10	3.15			
	EM	T 1"	Г	-			4.0	10 C	-	10	3.60			
	EM	T 1 1/	4 "	Ente	rnew	.	4.5	60 C	-	10	4.05			
	EM	T 1 1/	2 "	num	ber ner	e.	5.5	60 C	-	10	4.95			
	EM	T 2"		Evan		15	7.0	10 C	-	10	6.30			
	EM	T 2 1/	2"	Lxan	ipie -	[•]	9.0	10 C	-	10	8.10			
	EM	Т 3"	_				10.0	10 C	-	10	9.00			
	EM	Т З 1/	2"				11.0	10 C		10	9.90			
	EM	T 4"					12.0	10 C	-	10	10.80			
	LA SH	BOR UN OW MAT	ITS M	RE DURA PRICES	ND 8 H	how rices ot ce	materi ell	al c						

To return to the material prices double click on the Show Material Prices hot cell.

SAVING CHANGES TO DATABASE

If you make changes to the database screen, you must save these changes to the database file. Using the mouse, select the File and Save changes to Database command.



PRINTING DATABASE SHEET

If you want, you may print the database sheet by using the mouse to select the Print and Print Database Sheet command.



PRINTOUT OF DATABASE SHEET

MATERIAL	TRADE	P E	ADJUST %	ADJUSTED PRICE	USER PRICE
		R			
EMT CONDUIT					
тттм					
EMT 1/2"	\$39.62	C	-40	603 77	
EMT 3/4"	\$67.29	c	-40	10 37	
EMT 1"	¢11/ 9/	c	-40	40.57	
EMT 1 1/4"	\$160.52	c	-40	96 31	
EMT 1 1/2"	\$192.39	C	-40	115 /3	
EMT 2"	\$238 68	c	-40	1/3 21	*
EMT 2 1/2"	\$250.00	c	-25	365 72	
EMT 3"	\$407.05	C	-25	180 93	
FMT 3 1/2"	\$889 92	C	-25	667 11	
	\$009.92 ¢1 000 20	c	-25	750 15	
1214 I. A.	Ş1,000.20	c	-25	/00.10	
		c		s.	
		Ç			
TRADE PRICES ARE ALLIE	1D 3/30/98				
LABOR	STANDARD	Ρ	ADJUST	ADJUSTED	USER
	LABOR	Ε	20	LABOR	LABOR
	UNIT	R		UNIT	UNIT
EMT CONDUIT					
ENT 1/2"	3 25	C	-10	2 92	
, - EMT 3/4"	3.50	C	-10	3 15	
0, - 1 "	4 00	C	-10	3 60	
EMT 1 1/4"	4.50	C	-10	4 05	
EMT = 1/2	5 50	C	-10	4.05	
	7.00	C	-10	£ 30	
	9.00	c	-10	9 10	
EMT 3"	9.00 10.00	ic	-10	0.10	
EMT 3 1/2"	11 00	C	-10	9.00	
LITT O L/C	12.00	C	-10	ン・ンU 10 00	
		. U	-10	T0.80	
EMT 4"	12.00	C			
EMT 4"	12.00	C			

WORKING IN THE ESTIMATING MODE

In the ESTIMATING mode you may do the following.

- 1. Use the pricing sheet.
- 2. Import item from database to pricing sheet.
- 3. Print pricing sheet.
- 4. Use recap sheet.
- 5. Print recap sheet.

Using the mouse select Goto and Pricing Sheet commands from the pulldown menu.



PRICING SHEET

Once the pricing sheet is displayed, you may use the database menus to import items.

				DA	TABAS	SE M	ENUS	_							
III DOU	BLE C	.ICK - P	ricing &	Labor - [F	PL.BWB]									_ [□ ×
📃 <u>F</u> ile	<u>G</u> oto	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults	: Print		_ 1	Ы×
RECAP					PRI	CING	SHEET					DATE			
JOB NA	AME											EST #			H
DESCR	IPTIO	N										EST. BY			
#	ITEM					QTY	M⁄.	PRICE	2		M⁄EXT	L/UNIT		L/EXT	
1									E			E			
2									E			E	1		
3									E			E			
4									E			E			
5									E			E E			
6									E			1			
<i>′</i>									E			1			
8									E						
2									E E						
11									E E			-			
12									F						
13									Ē			F			
14									E			E			
15									Е			E			
16									Е			E			
17									E			F			
18									E			E			
19									Е			E			
20									Е			E			
21									Е			E			
22									E			E			
23									E			E			

DOU	BLE C	LICK - Pricing	Ł	Labor - [F	PL.BWB]								×
📰 <u>F</u> ile	<u>G</u> oto	Conduit Fitting	gs	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults	Print _ B	×
		Rigid	►	Condu	uit [-	
		EMT	×	Elbow	is 🕨	Stand	ard Radius						
		Aluminum	×	Coupl	ings 🕨	24'' R	adius Swee	ps		llein	a the d	latahasa manus you may sala	oct
		IMC	×	Conne	ectors 🔸	36'' R	adius Swee	eps		0311	motori	al item in the detenses	01
		Rigid/PVC	×	Straps	s 🕨	48'' R	adius Swee	eps	any material item in the database.				
		PVC 40	÷										
		PVC 80	۲										
		PC Duct	۲					TE.					
		ENT	۲					, I C .					
		Flex	۲				To	use	a data	base	menu	the active cell must be in	
		LT Flex	۲				the	e iter	n colu	mn o	n the p	pricing or makeup sheet.	

ACTIVE CELL IN ITEM COLUMN



DATABASE SCREEN

Once you have selected an item the following screen will appear.

MATERIAL	TRADE	Ρ	ADJUST	ADJUSTED	USER
	PRICE	E	%	PRICE	PRICE
GALVANIZED RIGID ELBOWS 36" RADIUS		R	Double click to select pricing level		
ITEM	ACTIVE				
GRC ELL 36R 2"	\$72.13	E.	-25	\$54.10	
GRC ELL 36R 2 1/2"	\$98.87	Е	Brown active	74.15	
GRC ELL 36R 3"	\$130.15	Е	indicates	97.61	
GRC ELL 36R 3 1/2"	\$169.51	Е	selection	127.13	
GRC ELL 36R 4"	\$189.86	E	-25	142.40	
GRC ELL 36R 5 Double click	\$306.07	Е	-25	229.55	
GRC ELL 36R 6" to import a single item	\$336.27	Е	-25	252.20	
		E			
		Е			
		Е			
		Е			
		Е			
TRIPE PRICES INF RICER ON CONTRA	TT (DIDE 1				
TRADE PRICES ARE BASED ON CONDU	II & PIPE I	PROL	JUCIS 12/1/96		

Double click on the first item and it will be imported into the pricing sheet.

RECAP)	PRICING SHE	ET		DATE	
JOB N	AME				EST #	
DESCR	IPTION				EST. BY	
#	ITEM	QTY	M/PRICE	M⁄EXT	L/UNIT	L⁄EXT
1	GRC ELL 36R 2"		\$72.13 E		0.85 E	
2			E		E	
3			E	_	E	
4			Enter		E	
5			quantity		E	
6			hear		E	

You may now enter the quantity and the program will perform all extensions.

DEFAULTS MENU

DOUBLE (LICK - Pricing & Labor - [PL.BWB]	
📰 <u>F</u> ile <u>G</u> oto	Conduit Fittings Hangers Fasteners Boxes Wireway Wire Devices Power	Defaults Print
	You may also set pricing and labor levels from	✓ Trade Price Adjusted Price
	the pulldown menu.	User Price ✓ Standard Labor
	You may also set the Cursor Right or Cursor Down defaults.	Adjusted Labor User Labor
	Active levels marked with a check mark.	Cursor Right ✔ Cursor Down

CURSOR RIGHT

If you set the cursor right default, the active cell will move one cell right after material has been transferred from database.

Before Transfer



After Transfer

RECAL	P	PRICING SHEET #1	
JOB 1	NAME	SAMPLE	
DESCI	RIPTION	BRANCH CIRCUIT	
#	ITEM	QTY M/PRICE	
1	GRC 1/2"	\$90.94 C	
2		E	
3			
4		Active cell position afte	er transfer

The cursor right default is ideal if you select one item at a time and wish to input the quantity after transferring data from the database.

If you plan to transfer more than one material item or you do not plan to input quantities after transferring data, you should use the cursor down default.

CURSOR DOWN

Before Transfer



After Transfer

RECAR	?	PRICING SH	HEET #1
JOB 1	NAME	SAMPLE	
DESCH	RIPTION	BRANCH CIR	RCUIT
#	ITEM	QTY	M/PRICE
1	GRC 1/2"		\$90_94 C
2			E
3			E
4		Activ	ve cell position after transfer

The cursor down position leaves the active cell in the item column so you can access the database menu without repositioning the cursor.

PRINT PRICING SHEET

If you want to print the pricing sheet, select Print and Print Pricing Sheet commands from the pulldown menu.



PRINTOUT OF PRICING SHEET

TOD N	۵.»«	PRICING SI	HEET.	DA	ATE	
DECCD				E	ST #	
DESCR.	TETION			E	ST. BY	
#	TIEM	QTY	M/PRICE	M/EXT	L/UNIT	L/EX1
- T	GRU ELL 36R 2"	12	\$72.13E	\$865.56	0.85E	10.20
2	TOGGLE BOLT 3/16" X 6"	26	\$39.80C	\$10.35	7.00C	1.82
2	SQ411 2.1D COMBO	5	\$349.29C	\$17.46	25.00C	1.25
4 c	SINGLE REC 15A BR 5015	23	\$356.80C	\$82.06	25.00C	5.75
5			E		E	
7			E		E	
0			E		E	
0			E		E	
9 10			E		E	14
11			E		E	
10			E		Е	
13			E		E	
1J			E		E	
15			E		E 	
16			E		E	
17			E		E	
1.Q			E		E	
19			E		E	
20			E		E	
20			E		E	
21			E		E	
22			E		E	
20			E		E	
25			E		E	
25			E		E	
27			E		E	
28			E F		E	
29			F		E	
30			E F		F	
31			F		F	
32			E		F	
33			E		E	
34			E		E	
35			E		E	
36			Е		E	
37			Е		Е	
38			E		E	
39			Е		E	
40			Е		Е	
41			E		E	
42			E		E	
43			Е		E	
44			Е		Е	
SUBTOI	AL			\$975.44	_	19.02
MULTIE	PLIER (DEFAULT=1)		Х	1.00	Х	1.00
SHEET	TOTALS FORWARDED TO >>>	RECAP	<u></u>	\$975.44		19.02

Using the mouse select Goto and Recap Sheet from the pulldown menu.



RECAP SHEET

DOUBLE CLICK - Pricing & Labor - [PL.BWB] Elle Goto Conduit Fittings Hangers Fasteners Boxes Wireway Wire Devices Power Defaults Print C:\VPI\PL.BWB RECAP SHEET Enter job name and estimator's name PRICING SHEET NISC. MATERIAL & LABOR QUOTED MATERIAL COST TOTAL MATERIAL COST	
Elle Goto Conduit Fittings Hangers Fasteners Boxes Wireway Wire Devices Power Defaults Print C:-VPI-PL.BWB C:-VPI-PL.BWB EST BY: Enter job name and estimator's name PRICING SHEET MATERIAL & LABOR QUOTED MATERIAL COST TOTAL MATERIAL COST Enter labor A4	×
C: \VPL\PL.BWB RECAP SHEET JOB NAME EST BY: PRICING SHEET MISC. MATERIAL & LABOR QUOTED MATERIAL COST TOTAL MATERIAL COST Enter labor .44	×
JOB NAME EST BY: Enter job name and estimator's name PRICING SHEET MATERIAL B975.44 19.02 MISC. MATERIAL & LABOR QUOTED MATERIAL COST TOTAL MATERIAL COST Enter labor RECOMPTONE	
EST BY: Enter job name and estimator's name PRICING SHEET MATERIAL B975.44 19.02 MISC. MATERIAL & LABOR QUOTED MATERIAL COST TOTAL MATERIAL COST Enter labor A4	
PRICING SHEET PRICING SHEET NISC. MATERIAL & LABOR QUOTED MATERIAL COST TOTAL MATERIAL COST Enter labor .44	
PRICING SHEET PRICING SHEET QUOTED MATERIAL COST TOTAL MATERIAL COST Enter labor .44	
PRICING SHEET 975.44 19.02 MISC. MATERIAL & LABOR QUOTED MATERIAL COST TOTAL MATERIAL COST	
MISC. MATERIAL & LABOR QUOTED MATERIAL COST TOTAL MATERIAL COST	
MISC. MATERIAL & LABOR Image: Material & Labor QUOTED MATERIAL COST Image: Material & Labor TOTAL MATERIAL COST Image: Material & Labor	
QUOTED MATERIAL COST	
TOTAL MATERIAL COST	
TOTAL MATERIAL COST	
Enter labor	
SUMMARY >>> TOTA 19.02	
LABOR RATE X	
LABOR CO Enter job	
MATERIAI COSt \$975.44	
PRIME_COST \$975.44	
OVERHEAD %	
NET COST \$975.44	
PROFIT ×	
SALES TAX	
SELLING PRICE \$975.44	

PRINT RECAP SHEET

If you want to print the recap sheet, select Print and Print Recap commands from the pulldown menu.

DOL	BLE C	LICK - P	ricing &	Labor - [l	PL.BWB]								_ 🗆 ×
🔳 <u>F</u> ile	<u>G</u> oto	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults	Print	_ & ×
												Print Database Sheet	
			This	s comm	nand wil	l prin	t pricin	g sh	eet —			Print Recap	
								-				Print Pricing Sheet	

PRINTOUT OF RECAP SHEET

C:\VPL\PL. JOB NAME	.BWB SAMBLE	RECAP SHEET	DATE	VERSION 1.0A 9-15-98
EST BY:	TED		EST#	123
		M	IATERIAL	LABOR HRS.
	PRICING SHEET		\$975.44	19.02
	MISC. MATERIAL & LABOR		\$100.00	8.00
	OUOTED MATERIAL COST			
	COCH		075 44	х
	TOTAL MATERIAL COST	τ¢	.,075.44	
	SUMMARY >>>	TOTAL LABOR HOURS	ſ	27.02
		LABOR RATE	X	\$45.00
		LABOR COST		\$1,215.90
		MATERIAL COST		\$1,075.44
		JOB COST		\$50.00
		PRIME COST		\$2,341.34
		OVERHEAD	25%	\$585.33
		NET COST		\$2,926.67
		PROFIT	10%	\$292.67
		SALES TAX	6 %	\$64.53
		SELLING PRICE		\$3,283.86

CLEAR ACTIVE SHEET

DOUBLE C	LICK - P	ricing &	Labor - [l	PL.BWB]								_ 🗆 ×
Eile Goto	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults	Print	_ 8 ×
<u>O</u> pen <u>C</u> lose <u>S</u> ave Save <u>A</u> Save C	s harges to [)atabase										
Clear A	ctive Shee	t		— Т	his co	omman	d wil	l clear	the a	ctive v	vorksheet	
Printer 9	Set <u>u</u> p											
E <u>x</u> it												

FILE SAVE

DO	UBLE C	CLICK - P	ricing &	Labor - [l	PL.BWB]								
Eile	<u>G</u> oto	Conduit	Fittings	Hangers	Fasteners	Boxes	Wireway	Wire	Devices	Power	Defaults	Print	_ 8 ×
	<u>O</u> pen												
	<u>C</u> lose												
	<u>S</u> ave				— ті	his co	mman	d sav	es the	curre	ent file		
	Save <u>A</u>	s											
	Save C	harges to [Database										
	Clear A	ctive Shee	t										
	Printer 9	Set <u>u</u> p											
	E <u>x</u> it												

FILE SAVEAS



MATERIAL LIST MODULE

The Material List Module is used to compile a material list from an estimate. This module will count all materials on pricing sheets and within assembly makeups and provide a printout of material.

EXPORTING ESTIMATE FILES TO MATERIAL LIST MODULE

Prior to using the material list module, you must first export the files from the Double Click Electrical Estimating Program.

- STEP 1. Start the estimating program.
- STEP 2. Open the estimating file you wish to export.
- STEP 3. The Material List Module will compile only those pricing sheets used in your estimate. If a pricing sheet is marked with an "X" on the recap sheet, the Material List Module will compile all material on that pricing sheet. If a pricing sheet is not marked with an "X" on the recap sheet, the Material List Module will ignore that pricing sheet. If you have any pricing sheets you do want compiled, turn those sheets off on the recap sheet.

E DOUBLE	CLI	CK - Electric	al Estima	ting - [SAMPL	E.BWB]				
📕 File Edit	B	ecap Assemb	oly Sheets	Pricing Sheets	Quotes	Other	Print	Pricing Menu	
C:\EST\SA	MPI	LE.BWB				RECAF	, SHE	ET	
JOB NAME		SAMPLE							
EST BY:		PAUL							
SHEET									MATERI.
A1	X	ASSEMBLI	ES #1-9	50					\$2,819.
Α2	X	ASSEMBLI	FC #EA	100	_				\$838.
1	X	BRANCH	Doubl	e click on ho	t				\$1,225.
2	X	BRANCH C	cell to	turn on or o	tt 📘				\$653.
3	X	BRANCH C	pric	cing sheet.					\$170.
4	X	FEDDER C	ONDUITS	5					\$2,835.
5							NOT	USED	
1							NOT	UCED	

STEP 4. The Material List Module will also compile only those assembly makeups which have a quantity greater than zero. If you do not wish to compile an assembly makeup, enter a zero quantity for that assembly.

h								
	RECAP			ASSEMBLY	PRICE SH	HEET #	1	DATE
	JOB NAM	E		SAMPLE				EST #
	ASSEMBL	IES 1-50						EST. BY
	# I'	TEM		QTY	M⁄PR	ICE	M⁄EXT	L/UN:
	1 S ¹	W 1G 1-1P		1	\$9	.50 E	\$9.50	1.3
	2 SI	W 1G 1-3W		2	\$12	.28 E	\$24.57	1.
	3 SI	W 1G 1-4W		3	\$22			1 . 1. 1
	4					Ent	er zero if you do	
	5 SI	W 2G 2-1P		4	\$13	no	t want assembly	1.
	6 SI	W 2G 1-1P	1-3₩	5	\$16	ma	keups compiled.	2.1
	7 SI	W 2G 1-1P	1-4₩	6	\$26	.89 E	\$161.35	2.:
	8 SI	W 2G 2–3W		7	\$18	.24 E	\$127.67	2.:
	9 SI	W 2G 1-3W	1-4₩	8	\$32	.26 E	\$258.05	2.4

STEP 5. The Material List Module will also compile only those items on a pricing sheet which have a quantity greater than zero. If you do not want a specific item on a pricing sheet to be compiled, enter a zero quantity for that item.

RECAP JOB N	AME	PRICING SHE SAMPLE	ET #1
DESCR	IPTION	BRANCH CIRC	UIT POWER
#	ITEM	QTY	M/PRICE
1	EMT 1/2"	1,200	\$23.77 C
2	EMT 3/4"	450	\$40.37 C
3	EMT 1"	130 👡	\$68 Enter zero if you do
4	EMT COUP SS DC 1/2"	140	szz not want a specific
5	EMT COUP SS DC 3/4"	52	\$36 item compiled.
6	EMT COUP SS DC 1"	16	\$59
7	EMT CONN SS DC 1/2"	46	\$21.30 C
8	EMT CONN SS DC 3/4"	20	\$33.69 C

STEP 6. Using the mouse, select the File and Export MAT Files commands from the pulldown menu.



After exporting files, exit the Double Click Estimating Program.

STEP 7.

STARTING THE MATERIAL LIST MODULE

To start the Material List Module double click on the MAT icon. Once the program has loaded, the following screen will be displayed.

DOL	JBLE CLICK Material	I List Module - [MAT.BWB]	_ 🗆 🗵
🔳 Mer	าน		_ 🗗 ×
MATER	IAL LIST		_
JOB:			_
FILE			
DATE	09/14/98		
#	ITEM	QTY	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

COMPILING A MATERIAL LIST

Using the mouse, select the Menu and Compile List commands from the pulldown menu.



The compile process can take up to five minutes.

SA TIME W	ARNING		X
	The compile p	rocess	; can take up to five minutes.
)k	Cancel

If you wish to proceed, click OK.

SAMPLE COMPILE TIMES

Our tests indicate the following compile times.

Pentium I - 133 MHZ = 5 minutes 68 seconds Pentium II - 300 MHZ = 2 minutes 50 seconds

During the compile process a status bar will display progress.



Once the compile process is complete, the material list will be displayed on your screen.

DOUBLE CLICK Material List Module - [M	AT.BWB]	
Menu		_ 8
MATERIAL LIST		
IOB: SAMPLE		
TILE C:\EST\SAMPLE.BWB		
DATE 09/14/98		
t ITEM	QTY	
. WIRENUT RED	913	
2 WIRENUT GRAY	26	
3 THHN CU STRANDED 300	400	
THHN CU STRANDED 3/0	240	
5 THHN CU STRANDED #12	1,200	
5 THHN CU SOLID #12	20,876	
' THHN CU SOLID #10	1,200	
3 SW 4W 20A IV CS420-2I	29	
9 SW 3W 20A IV CS320-2I	100	
.0 SW 1P 20A IV CS120-2I	102	
.1 SW 1P 15A IV CS115-2I	12	
.2 SQ411 COVER BLANK	6	
.3 SQ411 2.1D 1" KO	6	
.4 SQ4-RING 2G RAISE 1/2"	30	
.5 SQ4-RING 1G RAISE 1/2"	130	
.6 SQ4 COVER BLANK	20	
.7 SQ4 1.5D COMBO	82	
.8 SQ4 1.5D 3⁄4" KO	8	
.9 SQ4 1.5D 1/2" KO	90	
20 PVC 40 ELL 3/4"	14	
21 PVC 40 COUP 3/4"	42	
22 PVC 40 3/4"	350	
		<u> </u>
READY 9/14/98 4:45 PM CALC		

STEP 9.

PRINTING MATERIAL LIST

To print the material list select the Menu and Print commands from the pulldown menu.



SAMPLE PRINTOUTS

<u>Material List Printout</u> (from Material List Module)

					_
MATER	IAL LIST	PAGE 1	MATER	IAL LIST	PAGE 2
JOB:	UNTITLED		 JOB:	UNTITLED	
FILE	C:\EST\MAT2.BWB		FILE	C:\EST\MAT2.BWB	
DATE	09/01/98		DATE	09/01/98	
#	ITEM	QTY	#	ITEM	QTY
1	WIRENUT RED	913	51	EMT 1"	190
2	WIRENUT GRAY	26	52	DUPLEX 20A IV 5342-I	50
3	THHN CU STRANDED 300	400	53	DUPLEX 15A IV 5320-ICP	44
4	THHN CU STRANDED 3/0	240	54	DUPLEX 15A IV 5242-I	50
5	THHN CU STRANDED #12	1,200	55	BUSHING PLASTIC 3"	2
6	THHN CU SOLID #12	20,876	56	BUSHING PLASTIC 2"	2
7	THHN CU SOLID #10	1,200	57		
8	SW 4W 20A IV CS420-2I	29	58		
9	SW 3W 20A IV CS320-2I	100	59		
10	SW 1P 20A IV CS120-2I	102	60		
11	SW 1P 15A IV CS115-2I	12	61		
12	SO411 COVER BLANK	6	62		
13	SO411 2.1D 1" KO	6	63		
14	SO4-RING 2G RAISE 1/2"	30	64		
15	SO4-RING 1G RAISE 1/2"	130	65		
16	SO4 COVER BLANK	20	66		
17	SO4 1 5D COMBO	82	67		
18	SO4 1 5D 3/4" KO	8	68		
19	SO4 = 1.5D = 3/4 RO	90	69		
20	BUC 40 ELL 3/4"	14	70		
20	PVC = 40 EDD 3/4	10	71		
21	DVC 40 2/4"	42	72		
22		330	73		
23	PLATE SWITCH 3G IV	20	74		
24	PLATE SWITCH 2G IV	30	75		
20	PLATE SWITCH IG IV	18	76		
20	PLATE DUPLEX 2G IV	32	77		
27	PLATE DUPLEX IG IV	80	78		
28	LOCKNUT 3"	4	79		
29	LOCKNUT 2"	4	80		
30	GRC ELL 3"	3	81		
31	GRC ELL 2"	2	01		
32	GRC COUP 3"	10	02		
33	GRC COUP 2"	- 6	0.0		
34	GRC 3"	120	04		
35	GRC 2"	60	00		
36	GANG RING RAISE 3/4" 3G	55	00		
37	GANG BOX 1 5/8" DEEP 3G	55	0/		
38	FLEX STEEL 1/2"	40	88		
39	FLEX CONN SQ DC 1/2"	2.0	89		
40	EMT STRAP 1H 3/4"	267	90		
41	EMT STRAP 1H 1/2"	823	91		
42	EMT STRAP 1H 1"	41	92		
43	EMT COUP SS DC 3/4"	112	93		
44	EMT COUP SS DC 1/2"	357	94		
45	EMT COUP SS DC 1"	24	95		
46	EMT CONN SS DC 3/4"	100	96		
47	EMT CONN SS DC 1/2"	342	97		
48	EMT CONN SS DC 1"	10	98		
49	EMT 3/4"	1,224	99		
50	EMT 1/2"	4,057	100		

BACKING UP YOUR FILES

There is no substitute for backing up your files. We recommend a good removable media backup system with backups performed weekly.

WHAT TO BACKUP

The following folders need to be backed up:

🚞 Est	🚞 PI	📄 Uprice
-------	------	----------

The following folders do not need to be backed up. This information is on the original disks and does not change in your computer.

🚞 Tprice	📄 Mat
----------	-------

BACKING UP USER PRICE FILES TO FLOPPY

The user price files contain the adjustments you make in your database. These files may be backed up to a floppy disk using Windows.

- STEP 1 Insert a blank floppy disk in your A:Drive.
- STEP 2 Right click on the UPRICE folder.



STEP 3 Select Send To and 3 1/2 Floppy commands from the menu.

NOTE: Backing up the UPRICE folder to a floppy takes 20 minutes.



STEP 4 Wait 20-25 minutes for backup to complete.



Other files are to large to backup onto floppy disk.

ABBREVIATIONS

These abbreviations are used in the material database.

1.5D	1 1/2" DEEP
1.7D	1 7/8" DEEP
10K	10.000 RMS
1C	1-CABLE
1D	1" DEEP
1G	1-GANG
1H	1 HOLE TYPE
1PH	SINGLE PHASE
2.1D	2 1/8" DEEP
2.5D	2 1/2" DEEP
2.7D	2 7/8" DEEP
22K	22,000 RMS
24R	24" RADIUS
2C	2-CABLE
2G	2-GANG
2GT	2-GANG TANDEM TYPE
2H	2 HOLE TYPE
2S/2U	2-SHIELDED 2-UNSHIELDED
3.5D	3 1/2" DEEP
36R	36" RADIUS
3D	3" DEEP
3G	3-GANG
3PH	THREE PHASE
48R	48" RADIUS
4G	4-GANG
4M	EXPANSION COUPLING WITH 4" MOVEMENT
8M	EXPANSION COUPLING WITH 8" MOVEMENT
AL	ALUMINUM
ALM	ALMOND
AM	MAIN BREAKER AMPS
ARC	ALUMINUM RIGID CONDUIT
ASTRO	24 HOUR WITH ASTRONOMIC DIAL
ATLA	TYPE OF LIQUID TIGHT FLEXIBLE CONDUIT
BKR	BREAKER

BM	BEAM CLAMP
BOND JUMPER	BONDING JUMPER FOR EXPANSION COUPLING
BR	BROWN
С	STYLE OF CONDUIT BODY
C-ADAPTER	CONDUIT ADAPTER
C-BODY	CONDUIT BODIE
C-STARTER	COMBINATION DISCONECT MOTOR STARTER
C-STUD	CONCRETE STUD ANCHORS RED HEAD
СВ	CIRCUIT BREAKER PLUG-IN TYPE
CB2	CIRCUIT BREAKER HALF SIZE
CBB	CIRCUIT BREAKER BOLT-ON TYPE
CBQT	CIRCUIT BREAKER QUAD TANDEM
CBSN	CIRCUIT BREAKER SWITCHED NEUTRAL
CBT	CIRCUIT BREAKER TANDEM
CFM	CONDUIT FIXED MOUNT
Cl	CUBIC INCH
CIR	CIRCUIT
CL2	TYPE OF COAX CABLE
CN	CONNECTOR
СОМВО	COMBINATION 1/2" & 3/4" KNOCKOUTS
CONN	CONNECTOR
COUP	COUPLING
СР	COMPRESSION TYPE
CP-I	COMPRESSION TYPE INSULATED
CSM	CONDUIT SWIVEL MOUNT
CVR	COVER
D-CLOCK	TIME CLOCK DIGITAL
DBL	DOUBLE
DC	DIE CAST TYPE
DIM	DIMMER
DIST	DISTRIBUTION
E	STYLE OF CONDUIT BODY
E-COUP	EXTERNAL COUPLING
E-ELL	EXTERNAL ELL
EF	TYPE OF LIQUID TIGHT FLEXIBLE CONDUIT
ELL	ELBOW 90 DEGREE STANDARD RADIUS UNLESS MARKED
ELL 30	ELBOW 30 DEGREE
ELL 45	ELBOW 45 DEGREE

EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
EXPAN	EXPANSION COUPLING
EXT	EXTENSION
EY	STYLE OF EXPLOSION PROOF SEALOFF
EYA	STYLE OF EXPLOSION PROOF SEALOFF
EYD	STYLE OF EXPLOSION PROOF SEALOFF
EYDM	STYLE OF EXPLOSION PROOF SEALOFF
EZS	STYLE OF EXPLOSION PROOF SEALOFF
FE	FEMALE TYPE
FLEX AL	FLEXIBLE ALUMINUM CONDUIT
FLEX COUP	FLEXIBILE COUPLING
FLEX STEEL	FLEXIBLE STEEL CONDUIT
FSCVR	FLUSH SCREW COVER
FU	FUSED
FWS	FLEXIBLE WIRING SYSTEM
GD	GENERAL DUTY
GND	GROUNDING TYPE
GRC	GALVANIZED RIGID CONDUIT
GRC	GALVANIZED RIGID CONDUIT
GRC/PVC	GALVANIZED RIGID CONDUIT PVC COATED
GY	GRAY
HCC	HINGE CLAMP COVER
HD	HEAVEY DUTY
HEX	HEX HEAD
HGR	HANGER
НОМ	HOMLINE BY SQUARE D
HV	HIGH VOLTAGE
I-COUP	INTERNAL COUPLING
I-ELL	INTERAL ELBOW
G	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
INSL	INSULATED TYPE
INTER	INTERMEDIATE
IR	IRON TYPE
IV	IVORY
J	FUSE UL CLASS J
J-TD	FUSE UL CLASS J TIME DELAY

K5	FUSE UL CLASS K5
КО	KNOCKOUT
KV	KILOVOLT
L	FUSE UL CLASS L
LA	TYPE OF LIQUID TIGHT FLEXIBLE CONDUIT
LB	STYLE OF CONDUIT BODY
LC1	LOADCENTER SINGLE PHASE
LC3	LOADCENTER THREE PHASE
LEV	LEVITON BRAND NAME
LL	STYLE OF CONDUIT BODY
LR	STYLE OF CONDUIT BODY
LRL	STYLE OF CONDUIT BODY
LT	TYPE OF LIQUID TIGHT FLEXIBLE CONDUIT
LTFLEX	FLEXIBLE CONDUIT LIQUID TIGHT
LVC	LOW VOLTAGE CABLE
LVPC	LOW VOLTAGE PLENUM CABLE
LVTC	LOW VOLTAGE TELEPHONE CABLE
M-STARTER	MOTOR STARTER MANUAL TYPE
MA	MALE TYPE
MB	WITH MAIN BREAKER
METAL-I	METAL INSULATED TYPE
ML	METER MAIN/LOADCENTER RINGLESS SURFACE/SEMIFLUSH N
ML	MAIN LUG ONLY FOR LAODCENTERS
MLO	MAIN LUG ONLY
MM	METER MAIN SURFACE/SEMIFLUSH MOUNT
MP	METER MAIN/LOADCENTER SURFACE/SEMIFLUSH MOUNT
MR	METER MAIN RINGLESS SURFACE/SEMIFLUSH MOUNT
MS	METER MAIN SURFACE MOUNT ONLY
MTD	MOUNTED
N1	NEMA 1
N12	NEMA 12 OR 13
N3	NEMA 3R
N3R	NEMA 3R
N7	NEMA 7 OR 9
NF	NON-FUSED
NM-B	NM-B TYPE OF ROMEX
NS	NON-SHIELDED
OCT	OCTAGON

OR	ORANGE
OS	OVERALL SHIELD
PAN	PANHEAD
PAR	PARALLEL
РВ	PUSH BUTTON TYPE
PB1	PANELBOARD SINGLE PHASE 240V
PB3	PANELBOARD THREE PHASE 240V
РВЗН	PANELBOARD THREE PHASE 480V
PBOX	PLASTIC OUTLET BOX
PCD	POWER & COMMUNICATIONS DUCT
PNL	PANEL
PVC 40	PVC CONDUIT SCHEDULE 40
PVC 80	PVC CONDUIT SCHEDULE 80
R-CLAMP	ROMEX CLAMP
RA	RIGHT ANGLE
RD	RED
RD BUSH	REDUCING BUSHING
RD WASH	REDUCING WASHER
REC	RECEPTACLE
RK1	FUSE UL CLASS RK1
RK5	FUSE UL CLASS RK5
RND	ROUND
SBOX	SWITCH BOX STEEL
SC	SCREW COVER TYPE
SCVR	SCREW COVER TYPE
SD	SINGLE DOOR
SD	SKIP-A-DAY TYPE
SEC	SERVICE ENTRANCE CABLE
SER	SERVICE
SG	SELF GROUNDING
SLB	SERVICE ENTRANCE LB
SM SCREWS	SHEET METAL CREWS
SQ	SQUEEZE TYPE
SQ-I	SQUEEZE TYPE INSULATED
SQ4	4" SQUARE BOX
SQ411	4 11/16" SQUARE BOX
SS	SET SREW TYPE
SS	STAINLESS STEEL

SS-I	SET SCREW TYPE INSULATED
SSD	SAFETY SWITCH DOUBLE THROW
SSW	SAFETY SWITCH
SSW	SAFETY SWITCH
STRAND	STRANDED
STRUT	UNISTRUT SUPPORT CHANNEL
STRUT	SUPPORT CHANNEL
STRUT BRACKET DOUBLE	UNISTRUT BRACKET DOUBLE STRUT RIGHT ANGLE
STRUT BRACKET SINGLE	UNISTRUT BRACKET SINGLE STRUT RIGHT ANGLE
STRUT CLAMP	UNISTRUT CONDUIT CLAMP SET SCREW TYPE
STRUT CLIP	UNISTRUT CONDUIT SUPPORT CLIP SPRING TYPE
STRUT S-NUTS	UNISTRUT SPRING NUTS
STRUT S-STUDS	UNISTRUT SPRING STUDS
STRUT STRAP	UNISTRUT CONDUIT STRAP 2-PIECE W/BOLT
SUPP	SUPPORT
SW	SWITCH
SW/REC	SWITCH & RECEPTACLE COMBINATION
SWPL	SWITCH & PILOT COMBINATION
SWSW	SWITCH & SWITCH COMBINATION
Т	STYLE OF CONDUIT BODY
T-CLOCK	TIME CLOCK MECHANICAL
T-SCREW	TEK SCREW
TC	TILE COVER
TLM	TURN LOCK MOUNT
TOG	TOGGLE TYPE
TOMIC	SCREW-IN TYPE
TOMIC-I	SCREW-IN TYPE INSULATED
U-CARPET	UNDERCARPET
W/B	WITH BRACKET
W/BAR	WITH BAR HANGER
W/BKT	WITH MOUNTING BRACKET
W/N	WITH NAILS
WH	WHITE
WP	WEATHER PRROF
Х	STYLE OF CONDUIT BODY
XF	DRY TRANSFORMER
XP	EXPLOSION PROOF

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