



Total by System

Sample Project #2
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Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
FIXTURES					
BASE BID					
TYPE A 8' 4L SURFACE WRAP FLUO	70	QUOTE E	\$0.00	1.10	77.00
TYPE AA INCANDESCENT HIHAT < 1	388	QUOTE E	\$0.00	0.90	349.20
TYPE AC 2LAMP SURF INC FIXT <1	427	QUOTE E	\$0.00	0.90	384.30
TYPE AK 2X4 3L SURFACE COMM FL	106	QUOTE E	\$0.00	1.00	106.00
TYPE AP 100W KEYLESS FIXTURE	357	QUOTE E	\$0.00	0.75	267.75
TYPE AS INCANDESCENT HIHAT < 1	201	QUOTE E	\$0.00	0.90	180.90
TYPE B 4' 2L SURFACE WRAP FLUO	289	QUOTE E	\$0.00	0.90	260.10
TYPE BFL RECESSED LIGHT/FAN CO	252	QUOTE E	\$0.00	1.00	252.00
TYPE C 2X2 2 LAMP LAYIN FIXTUR	5	QUOTE E	\$0.00	1.00	5.00
TYPE D 50W RECESD SQ 1L DOWN L	504	QUOTE E	\$0.00	0.90	453.60
TYPE E1 \$i Light	2	QUOTE E	\$0.00	1.00	2.00
TYPE e11 2LAMP SURF INC FIXT <	42	QUOTE E	\$0.00	0.90	37.80
TYPE E12 \$i Light	47	QUOTE E	\$0.00	1.00	47.00
TYPE E13 \$i Light	10	QUOTE E	\$0.00	1.00	10.00
TYPE e14 LANDSCAPE GARDEN FIXT	18	QUOTE E	\$0.00	0.75	13.50
TYPE e15 \$SPECIAL FIXTURE-RSA	13	QUOTE E	\$0.00	1.25	16.25
TYPE e16 LANDSCAPE GARDEN FIXT	2	QUOTE E	\$0.00	0.75	1.50
TYPE e17 2LAMP SURF INC FIXT <	8	QUOTE E	\$0.00	0.90	7.20
TYPE E2 BELOW GRD. UP-LITE - H	3	QUOTE E	\$0.00	1.10	3.30
TYPE E4.1 2LAMP SURF INC FIXT	5	QUOTE E	\$0.00	0.90	4.50
TYPE E4.2 2LAMP SURF INC FIXT	5	QUOTE E	\$0.00	0.90	4.50
TYPE E4.3 2LAMP SURF INC FIXT	5	QUOTE E	\$0.00	0.90	4.50
TYPE E5 2LAMP SURF INC FIXT <1	4	QUOTE E	\$0.00	0.90	3.60
TYPE E6 2LAMP SURF INC FIXT <1	1	QUOTE E	\$0.00	0.90	0.90
TYPE E7 BELOW GRD. UP-LITE - H	2	QUOTE E	\$0.00	1.10	2.20
TYPE E8 \$i Light	27	QUOTE E	\$0.00	1.00	27.00
TYPE E9 BELOW GRD. UP-LITE - H	31	QUOTE E	\$0.00	1.10	34.10
TYPE F 2X4 3 LAMP LAYIN FIXTUR	28	QUOTE E	\$0.00	1.00	28.00
TYPE FA 75W RECESD SQ 2L DOWN	6	QUOTE E	\$0.00	0.90	5.40
TYPE FB 50W RECESD SQ 1L DOWN	173	QUOTE E	\$0.00	0.90	155.70
TYPE FC1 \$SPECIAL FIXTURE-RSA	30	QUOTE E	\$0.00	1.25	37.50
TYPE FC2 \$SPECIAL FIXTURE-RSA	8	QUOTE E	\$0.00	1.25	10.00
TYPE FC3 \$SPECIAL FIXTURE-RSA	7	QUOTE E	\$0.00	1.25	8.75
TYPE FC4 \$SPECIAL FIXTURE-RSA	6	QUOTE E	\$0.00	1.25	7.50
TYPE FC5 \$SPECIAL FIXTURE-RSA	48	QUOTE E	\$0.00	1.25	60.00
TYPE FD \$i Light	17	QUOTE E	\$0.00	1.00	17.00
TYPE FE1 8' 2L FLUOR STRIP FIX	37	QUOTE E	\$0.00	1.10	40.70
TYPE FE2 4' 2L FLUOR STRIP FIX	36	QUOTE E	\$0.00	0.90	32.40
TYPE FF1 4' 2L SURFACE WRAP FL	138	QUOTE E	\$0.00	0.90	124.20
TYPE FF2 4' 2L SURFACE WRAP FL	11	QUOTE E	\$0.00	0.90	9.90
TYPE FG 50W RECESD SQ 1L DOWN	52	QUOTE E	\$0.00	0.90	46.80
TYPE FH 50W RECESD SQ 1L DOWN	4	QUOTE E	\$0.00	0.90	3.60
TYPE FI INCANDESCENT HIHAT < 1	78	QUOTE E	\$0.00	0.90	70.20
TYPE FJ \$SPECIAL FIXTURE-RSA	5	QUOTE E	\$0.00	1.25	6.25
TYPE FK \$i Light	8	QUOTE E	\$0.00	1.00	8.00
TYPE FL 8' 2LAMP INDUST. FIXTU	16	QUOTE E	\$0.00	0.90	14.40
TYPE FM 4' 2L FLUOR STRIP FIXT	10	QUOTE E	\$0.00	0.90	9.00
TYPE FO INCANDESCENT HIHAT < 1	79	QUOTE E	\$0.00	0.90	71.10
TYPE FP 2LAMP SURF INC FIXT <1	8	QUOTE E	\$0.00	0.90	7.20
TYPE fr INCANDESCENT HIHAT < 1	4	QUOTE E	\$0.00	0.90	3.60



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TYPE FS INCANDESCENT HIHAT < 1	12	QUOTE E	\$0.00	0.90	10.80
TYPE FT 8' 2LAMP INDUST. FIXTU	47	QUOTE E	\$0.00	0.90	42.30
TYPE FV1 8' 2L FLUOR STRIP FIX	6	QUOTE E	\$0.00	1.10	6.60
TYPE FV2 4' 2L FLUOR STRIP FIX	23	QUOTE E	\$0.00	0.90	20.70
TYPE FX INCANDESCENT HIHAT < 1	106	QUOTE E	\$0.00	0.90	95.40
TYPE FY INCANDESCENT HIHAT < 3	56	QUOTE E	\$0.00	1.10	61.60
TYPE FZ 4' 2L FLUOR STRIP FIXT	229	QUOTE E	\$0.00	0.90	206.10
TYPE G 4' 2L SURFACE WRAP FLUO	170	QUOTE E	\$0.00	0.90	153.00
TYPE G1 4' 2L SURFACE WRAP FLU	2	QUOTE E	\$0.00	0.90	1.80
TYPE HA 50W RECESD SQ 1L DOWN	878	QUOTE E	\$0.00	0.90	790.20
TYPE HB 2LAMP SURF INC FIXT <1	279	QUOTE E	\$0.00	0.90	251.10
TYPE HS INCANDESCENT HIHAT < 1	280	QUOTE E	\$0.00	0.90	252.00
TYPE J 2X4 3 LAMP LAYIN FIXTUR	28	QUOTE E	\$0.00	1.00	28.00
TYPE K 2X4 3 LAMP LAYIN FIXTUR	22	QUOTE E	\$0.00	1.00	22.00
TYPE L INCANDESCENT HIHAT < 15	15	QUOTE E	\$0.00	0.90	13.50
TYPE M INCANDESCENT HIHAT < 15	12	QUOTE E	\$0.00	0.90	10.80
TYPE O 1LAMP SURF INC FIXT <25	2	QUOTE E	\$0.00	0.90	1.80
TYPE P ELEVATOR PIT LIGHT	15	QUOTE E	\$0.00	0.75	11.25
TYPE R 1LAMP SURF INC FIXT <25	20	QUOTE E	\$0.00	0.90	18.00
TYPE S 4'-2 LAMP SURFACE w/ LE	177	QUOTE E	\$0.00	0.75	132.75
TYPE SB 2LAMP SURF INC FIXT <1	3	QUOTE E	\$0.00	0.90	2.70
TYPE SC 175 WATT HID SURFACE F	8	QUOTE E	\$0.00	1.10	8.80
TYPE SCO 2LAMP SURF INC FIXT <	504	QUOTE E	\$0.00	0.90	453.60
TYPE U INCANDESCENT HIHAT < 15	40	QUOTE E	\$0.00	0.90	36.00
TYPE X1 EXIT LIGHT CLG/WALL MO	107	QUOTE E	\$0.00	1.10	117.70
TYPE X2 EXIT LIGHT RECESSED MO	189	QUOTE E	\$0.00	1.10	207.90
TYPE X3 EXIT LIGHT RECESSED MO	8	QUOTE E	\$0.00	1.10	8.80
3/4" x 6 FACTORY GRC NIP	20	\$600.00 C	\$120.00	10.00	2.00
4" SQ BOX 1-1/2"D COMBO KO	3,138	\$50.00 C	\$1,569.13	22.00	690.42
4" SQ BOX 2-1/8" D COMBO KO	8	\$85.00 C	\$6.80	22.00	1.76
BELL BOX 2G 3/4" 4 HUB	20	\$876.92 C	\$175.38	30.00	6.00
FS BX 1G THRADD 1/2 HUB	17	\$9.95 E	\$169.15	0.45	7.65
4" 1G MUDRING 5/8 RAISED	1,163	\$50.00 C	\$581.50	8.00	93.04
4" 1G MUDRING 3/4 RAISED	28	\$70.00 C	\$19.60	8.00	2.24
4" SQ TO RND P-RING 5/8"	106	\$65.00 C	\$68.90	8.00	8.48
4" SQ TO RND P-RING 1"	737	\$800.00 C	\$5,896.00	8.00	58.96
4" SQ FLAT 1/2" KO COVER	467	\$35.00 C	\$163.54	8.00	37.38
1G SGL REC WP CVR BOX MT	20	\$381.00 C	\$76.20	10.00	2.00
FS BLANK COVER 1G STEEL	2	\$1.74 E	\$3.48	0.06	0.12
1/2" CHASE NIPPLE	171	\$15.00 C	\$25.58	10.00	17.05
1/2" OFFSET NIPPLE	2	\$157.00 C	\$3.14	10.00	0.20
3/8" X 6' FIXTURE WHIP	197	\$3.50 E	\$689.50	0.10	19.70
YELLOW SCOTCHLOKS 3M	45	\$6.50 C	\$2.93	2.00	0.90
1/4"-20 X 1" RHMS	16	\$3.00 C	\$0.48	3.00	0.48
1/4"-20 NUT	1,216	\$1.00 C	\$12.16	3.00	36.48
6' CEILING WIRES	166	\$60.00 C	\$99.60	10.00	16.60
WIRENUT YELLOW IDEAL	1,143	\$6.50 C	\$74.30	2.00	22.86
3/8" X 6' FIXTURE WHIP	99	\$3.50 E	\$345.63	0.10	9.88
8-32 X 3" TRIM SCREWS	1,702	\$0.03 E	\$51.06	0.01	17.02
METAL STUD SCREW	332	\$0.04 E	\$13.28	0.04	13.28
1/4-20 THREAD ROD PER FT	912	\$165.00 C	\$1,504.80	5.00	45.60
FLAT WASH 1/4	608	\$3.50 C	\$21.28	0.50	3.04



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Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
14GA 1 5/8X1 5/8 CHAN P11	10	\$112.00 C	\$11.20	10.00	1.00
SPRING NUT 1/4"	16	\$140.00 C	\$22.40	1.98	0.32
END CONNECTOR ANGL P-102	4	\$107.86 C	\$4.31	4.80	0.19
CONCRETE INSERT P-324	4	\$210.54 C	\$8.42	6.90	0.28
BAR HANGER ASSEMBLY	126	\$385.00 C	\$485.10	8.00	10.08
METAL STUD BOX SUPP	644	\$50.00 C	\$322.00	2.00	12.88
3/16 X 4 TOGGLE BOLT	874	\$26.00 C	\$227.24	5.00	43.70
1/4X3 MSHR HD TOG B3015-3	1,108	\$22.63 C	\$250.74	5.00	55.40
TAPCON ANCHOR 1/4X3	1,857	\$25.00 C	\$464.25	5.00	92.85
			<u>\$13,489.06</u>		<u>7,627.92</u>
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Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
SWITCHGEAR					
BASE BID					
\$BUSDUCT AL 4000A 277/480V	60	QUOTE C	\$0.00	140.00	84.00
\$BUS EL AL 4000A 277/480V	3	QUOTE E	\$0.00	12.00	36.00
\$BUSDUCT HANGERS AL 1600 A	20	QUOTE E	\$0.00	0.40	8.00
480V 3PH SWITCHBOARD - W	1	QUOTE E	\$0.00	0.00	0.00
480V 3PH DISTRI BT. PANEL	12	QUOTE E	\$0.00	0.00	0.00
480/277V 3PH PANELBOARD	15	QUOTE E	\$0.00	0.00	0.00
480/277V 2-SECTION PANEL	3	QUOTE E	\$0.00	2.00	6.00
120/208V 3PH PANELBOARD	19	QUOTE E	\$0.00	0.00	0.00
120/208V 2-SECTION PANEL	3	QUOTE E	\$0.00	2.00	6.00
120/208V 3-SECTION PANEL	16	QUOTE E	\$0.00	4.00	64.00
100A 120/208V PANEL	3	QUOTE E	\$0.00	10.00	30.00
125A LOADCENTER	119	QUOTE E	\$0.00	2.33	277.27
15A - 50A 1-POLE BREAKER	3,018	QUOTE E	\$0.00	0.39	1,177.02
15A - 50A 2-POLE BREAKER	824	QUOTE E	\$0.00	0.75	618.00
15A 50A 3-POLE BREAKER	83	QUOTE E	\$0.00	0.90	74.70
15A - 50A 1-POLE SPARE	509	QUOTE E	\$0.00	0.19	96.71
15A - 50A 1-POLE SPACE	1,230	QUOTE E	\$0.00	0.08	98.40
15A - 50A 3-POLE SPACE	1	QUOTE E	\$0.00	0.18	0.18
51 -100A 2-POLE BREAKER	1	QUOTE E	\$0.00	1.58	1.58
51 -100A 3-POLE BREAKER	36	QUOTE E	\$0.00	2.03	73.08
51A - 100A 3-POLE SPARE	2	QUOTE E	\$0.00	1.01	2.02
101A - 225A 3-POLE BREAKE	36	QUOTE E	\$0.00	3.08	110.88
101A - 225A 3-POLE SPARE	4	QUOTE E	\$0.00	1.54	6.16
101A - 225A 3-POLE SPACE	4	QUOTE E	\$0.00	0.62	2.48
226A - 400A/3P BREAKER	23	QUOTE E	\$0.00	4.58	105.34
401A - 600A/3P BREAKER	16	QUOTE E	\$0.00	6.38	102.08
1000 AMP 3-POLE BREAKER	1	QUOTE E	\$0.00	12.68	12.68
1200 AMP 3-POLE BREAKER	1	QUOTE E	\$0.00	17.33	17.33
1600 AMP 3-POLE BREAKER	2	QUOTE E	\$0.00	18.00	36.00
2000 AMP 3-POLE BREAKER	1	QUOTE E	\$0.00	21.00	21.00
4000 AMP 3-POLE BREAKER	1	QUOTE E	\$0.00	27.00	27.00
10 KVA 3PH TRNSFMR-FLOOR	3	QUOTE E	\$0.00	5.60	16.80
15 KVA 3PH TRNSFMR-FLOOR	3	QUOTE E	\$0.00	7.14	21.42
25 KVA 3PH TRNSFMR-FLOOR	1	QUOTE E	\$0.00	9.80	9.80
45 KVA 3PH TRNSFMR-FLOOR	5	QUOTE E	\$0.00	14.70	73.50
75 KVA 3PH TRNSFMR-FLOOR	20	QUOTE E	\$0.00	18.76	375.20
112.5KVA 3PH TRNFMR-FLO	3	QUOTE E	\$0.00	23.10	69.30
150KVA 3PH TRNSFMR-FLOOR	2	QUOTE E	\$0.00	22.68	45.36
30A/3P F/N3R HD 240V DISC	229	QUOTE E	\$0.00	2.10	480.90
60A/3P F/N3R HD 240V DISC	2	QUOTE E	\$0.00	2.60	5.20
200A/3P F/N3 HD 240V DISC	14	QUOTE E	\$0.00	7.10	99.40
BUS EXPJNT AL 1600A 16'	1	QUOTE E	\$0.00	5.40	5.40
BUS FLR/WALL ALUM FLNGE	26	QUOTE E	\$0.00	1.00	26.00
BUS FLR/WALL ALUM FLNGE	2	QUOTE E	\$0.00	1.75	3.50
BUS FLR/WALL ALUM FLNGE	2	QUOTE E	\$0.00	2.00	4.00
BUS FLR/WALL FLANGES AL 5	2	QUOTE E	\$0.00	4.00	8.00
BUSDUCT AL 1200A 277/480V	70	QUOTE C	\$0.00	39.13	27.39
BUSDUCT AL 1600A 277/480V	350	QUOTE C	\$0.00	55.70	194.95
BUS EL AL 600A 277/480V 1	1	QUOTE E	\$0.00	2.70	2.70
BUS EL AL 800A 277/480V 1	1	QUOTE E	\$0.00	3.15	3.15



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BUS EL AL 1200A 277/480V	3	QUOTE E	\$0.00	4.08	12.24
BUS EL AL 1600A 277/480V	9	QUOTE E	\$0.00	4.90	44.10
BUS TAP BOX AL 1200A 14FT	10	QUOTE E	\$0.00	9.60	96.00
BUS SWBD CONN AL 600A 277	6	QUOTE E	\$0.00	7.40	44.40
BUS SWBD CONN AL 800A 277	8	QUOTE E	\$0.00	8.20	65.60
BUS SWBD CONN AL 1600A 27	14	QUOTE E	\$0.00	11.45	160.30
BUS END CLSR AL 1600A 14F	1	QUOTE E	\$0.00	0.49	0.49
BUS CKT BKR 3P3W 1200A 16	4	QUOTE E	\$0.00	31.00	124.00
BUSDUCT HANGERS AL 1200 A	3	QUOTE E	\$0.00	0.25	0.75
METERING CUBICLE - 1/3	25	QUOTE E	\$0.00	6.00	150.00
C.T. CABINET-200A	4	QUOTE E	\$0.00	1.00	4.00
METER CENTER 1PH 600AMP	13	QUOTE E	\$0.00	14.00	182.00
250V 30A CART. ONE-TIME FUSE	680	QUOTE C	\$0.00	3.00	20.40
250V 60A CART. ONE-TIME FUSE	6	QUOTE C	\$0.00	4.00	0.24
250V 200A CART. ONE-TIME FUSE	40	QUOTE C	\$0.00	6.00	2.40
FIRE STOP COMPOUND TUBE	50	\$30.00 E	\$1,500.00	0.30	15.00
			<u>\$1,500.00</u>		<u>5,487.80</u>
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Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
PRIMARY FEEDERS					
BASE BID					
\$4" UNIST RISER CLAMP	120	\$2.50 E	\$300.00	0.50	60.00
1-1/2 GRC RIGID COND-XPOS	40	\$376.00 C	\$150.40	16.10	6.44
3" GRC RIGID COND-XPOS	10	\$1,030.00 C	\$103.00	34.30	3.43
1-1/4 GRC 90 ELB w/COUPLNG	4	\$813.00 C	\$32.52	40.00	1.60
1-1/2 GRC 90 ELB w/COUPLNG	4	\$1,000.00 C	\$40.00	48.00	1.92
2" GRC 90 ELB w/COUPLNG	6	\$1,464.00 C	\$87.84	64.00	3.84
3" GRC 90 ELB w/COUPLNG	4	\$3,557.00 C	\$142.28	104.00	4.16
3" GRC 1 HOLE STL STRAP	2	\$44.00 C	\$0.88	0.00	0.00
1-1/2 GRC 2 HOLE STRAP	5	\$34.00 C	\$1.70	0.00	0.00
1-1/4 EMT CONDUIT - EXPO	430	\$115.00 C	\$494.50	9.00	38.70
1-1/2 EMT CONDUIT - EXPO	100	\$142.00 C	\$142.00	10.15	10.15
2" EMT CONDUIT - EXPO	450	\$173.00 C	\$778.50	10.50	47.25
3-1/2 EMT CONDUIT - HC	730	\$504.00 C	\$3,679.20	13.00	94.90
3-1/2 EMT CONDUIT - EXPO	2,340	\$504.00 C	\$11,793.60	17.50	409.50
4" EMT CONDUIT - HC	475	\$510.00 C	\$2,422.50	16.00	76.00
3-1/2 EMT 90 ELBOW	160	\$2,650.00 C	\$4,240.00	85.00	136.00
4" EMT 90 ELBOW	55	\$3,116.00 C	\$1,713.80	100.00	55.00
1-1/4 EMT 45 ELBOW	2	\$350.00 C	\$7.00	32.00	0.64
2" EMT 45 ELBOW	4	\$690.00 C	\$27.60	50.00	2.00
1-1/4 EMT PULLING ELBOW	2	\$190.00 E	\$380.00	0.75	1.50
1-1/2 EMT PULLING ELBOW	4	\$275.00 E	\$1,100.00	0.94	3.76
1-1/4 EMT COUP SS DC	47	\$89.00 C	\$41.83	0.00	0.00
1-1/2 EMT COUP SS DC	14	\$126.00 C	\$17.64	0.00	0.00
2" EMT COUP SS DC	49	\$171.00 C	\$83.79	0.00	0.00
3-1/2 EMT COUP SS DC	619	\$446.00 C	\$2,760.74	0.00	0.00
4" EMT COUP SS DC	213	\$518.00 C	\$1,100.75	0.00	0.00
1" EMT CONN SS DC	8	\$47.00 C	\$3.76	6.00	0.48
1-1/4 EMT CONN SS DC	10	\$102.00 C	\$10.20	8.00	0.80
1-1/2 EMT CONN SS DC	2	\$121.00 C	\$2.42	10.00	0.20
2" EMT CONN SS DC	16	\$162.00 C	\$25.92	13.00	2.08
3-1/2 EMT CONN SS DC	80	\$549.00 C	\$439.20	25.00	20.00
4" EMT CONN SS DC	40	\$784.00 C	\$313.60	30.00	12.00
1-1/4 EMT 1 HOLE STRAP	54	\$18.00 C	\$9.68	0.00	0.00
1-1/2 EMT 1 HOLE STRAP	13	\$29.00 C	\$3.63	0.00	0.00
2" EMT 1 HOLE STRAP	56	\$34.00 C	\$19.13	0.00	0.00
3-1/2 EMT 2 HOLE STRAP	293	\$45.00 C	\$131.63	0.00	0.00
1/4x2 CONDUIT SUPPORT-per ft	151	\$3.45 E	\$519.66	0.35	52.72
2" DB PVC BELL END	22	\$382.50 C	\$84.15	13.80	3.04
3" DB PVC BELL END	2	\$447.30 C	\$8.95	18.00	0.36
4" DB PVC BELL END	4	\$534.60 C	\$21.38	22.40	0.90
6" DB PVC BELL END	18	\$900.90 C	\$162.16	26.50	4.77
2" DB PVC PLUG	2	\$105.30 C	\$2.11	7.60	0.15
5" DB PVC PLUG	12	\$236.70 C	\$28.40	12.25	1.47
1-1/2 DB PVC 18" RAD ELBOW	4	\$542.70 C	\$21.71	35.00	1.40
2" DB PVC 36" RAD ELBOW	58	\$639.00 C	\$370.62	35.00	20.30
3" DB PVC 36" RAD ELBOW	2	\$876.60 C	\$17.53	40.00	0.80
4" DB PVC 36" RAD ELBOW	2	\$1,243.80 C	\$24.88	50.00	1.00
5" DB PVC 48" RAD ELBOW	12	\$2,600.10 C	\$312.01	60.00	7.20
6" DB PVC 48" RAD ELBOW	18	\$3,626.10 C	\$652.70	75.00	13.50
2" DB PVC 24" RAD-45 ELBO	2	\$565.20 C	\$11.30	35.00	0.70



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Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
2" DB PVC 36" RAD-45 ELBO	18	\$596.70 C	\$107.41	35.00	6.30
3" DB PVC 36" RAD-45 ELBO	4	\$684.00 C	\$27.36	40.00	1.60
5" DB PVC 48" RAD-45 ELBOW	6	\$1,637.10 C	\$98.23	60.00	3.60
1-1/4 PVC COND/SCH 40-SLAB	185	\$39.00 C	\$72.15	5.70	10.55
1-1/2 PVC COND/SCH 40-SLAB	515	\$46.00 C	\$236.90	7.20	37.08
2" PVC COND/SCH 40-SLAB	260	\$51.00 C	\$132.60	9.20	23.92
2" PVC COND/SCH 40-DUCT	5,405	\$51.00 C	\$2,756.55	3.00	162.15
3" PVC COND/SCH 40-SLAB	95	\$110.00 C	\$104.50	11.00	10.45
3" PVC COND/SCH 40-XPOS	10	\$110.00 C	\$11.00	16.00	1.60
3" PVC COND/SCH 40-DUCT	520	\$110.00 C	\$572.00	3.40	17.68
3-1/2 PVC COND/SCH 40-XPOS	30	\$136.00 C	\$40.80	20.00	6.00
4" PVC COND/SCH 40-XPOS	100	\$154.00 C	\$154.00	25.00	25.00
4" PVC COND/SCH 40-DUCT	1,040	\$154.00 C	\$1,601.60	4.00	41.60
5" PVC COND/SCH 40-DUCT	1,386	\$191.00 C	\$2,647.26	5.30	73.46
3" PVC 90 ELB-SCH 40	2	\$622.00 C	\$12.44	40.00	0.80
3-1/2 PVC 90 ELB-SCH 40	6	\$851.00 C	\$51.06	50.00	3.00
4" PVC 90 ELB-SCH 40	20	\$1,065.00 C	\$213.00	50.00	10.00
2" PVC 45 ELB-SCH 40	2	\$165.55 C	\$3.31	17.50	0.35
3" PVC 45 ELB-SCH 40	1	\$537.60 C	\$5.38	20.00	0.20
4" PVC 45 ELB-SCH 40	2	\$896.35 C	\$17.93	25.00	0.50
6" PVC 45 ELB-SCH 40	9	\$2,090.90 C	\$188.18	35.00	3.15
1-1/4 PVC COUPLING	6	\$32.00 C	\$1.78	0.00	0.00
1-1/2 PVC COUPLING	15	\$35.70 C	\$5.52	0.00	0.00
2" PVC COUPLING	116	\$46.50 C	\$53.89	0.00	0.00
3" PVC COUPLING	15	\$135.35 C	\$20.64	0.00	0.00
3-1/2 PVC COUPLING	6	\$150.00 C	\$9.00	0.00	0.00
4 PVC COUPLING	41	\$209.00 C	\$85.27	0.00	0.00
5 PVC COUPLING	28	\$635.40 C	\$176.13	0.00	0.00
3 PVC MALE ADAPTER	4	\$166.50 C	\$6.66	0.00	0.00
3-1/2 PVC MALE ADAPTER	6	\$215.00 C	\$12.90	0.00	0.00
4 PVC MALE ADAPTER	20	\$285.75 C	\$57.15	0.00	0.00
3 PVC FEMALE ADAPTER	2	\$183.70 C	\$3.67	0.00	0.00
3" PVC BASE SPACE w/ 2" GAP	104	\$94.94 C	\$98.74	3.00	3.12
4" PVC BASE SPACE w/ 2" GAP	208	\$103.23 C	\$214.72	3.00	6.24
5" PVC BASE SPACE w/ 2" GAP	277	\$112.92 C	\$313.01	3.00	8.32
2" PVC INTER SPACE w/ 3" GAP	1,081	\$97.87 C	\$1,057.97	3.00	32.43
QT. PVC GLUE	19	\$1,095.00 C	\$209.06	0.00	0.00
1" x 12 FACTORY GRC NIP	4	\$1,199.00 C	\$47.96	10.00	0.40
1" PLASTIC BUSHING	8	\$14.00 C	\$1.12	6.00	0.48
1-1/4 PLASTIC BUSHING	5	\$18.00 C	\$0.90	7.00	0.35
1-1/2 PLASTIC BUSHING	5	\$26.00 C	\$1.30	8.00	0.40
3-1/2 PLASTIC BUSHING	72	\$150.00 C	\$108.00	25.00	18.00
1" BONDING BUSHING	4	\$195.00 C	\$7.80	15.00	0.60
1-1/4 BONDING BUSHING	6	\$206.00 C	\$12.36	15.00	0.90
1-1/2 BONDING BUSHING	4	\$263.00 C	\$10.52	20.00	0.80
2" BONDING BUSHING	6	\$308.00 C	\$18.48	25.00	1.50
3" BONDING BUSHING	2	\$825.00 C	\$16.50	35.00	0.70
3-1/2 BONDING BUSHING	22	\$960.00 C	\$211.20	40.00	8.80
1" LOCKNUT	16	\$11.00 C	\$1.76	20.00	3.20
3" LOCKNUT	6	\$82.00 C	\$4.92	60.00	3.60
3-1/2 LOCKNUT	6	\$112.00 C	\$6.72	70.00	4.20
4" LOCKNUT	20	\$149.00 C	\$29.80	80.00	16.00



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
1-1/2 STEEL FLEX	6	\$125.00 C	\$7.50	15.00	0.90
1-1/2 FLEX STRAIGHT CONN	1	\$625.00 C	\$6.25	12.00	0.12
3" SEALTITE STR CONN	1	\$4,460.00 C	\$44.60	25.00	0.25
3" SEALTITE 90 CONN	1	\$6,010.00 C	\$60.10	25.00	0.25
1-1/2 FLEX CONN 90 SQZ	1	\$1,882.30 C	\$18.82	12.00	0.12
3-1/2 CONDUIT SUPPORT	91	\$175.00 C	\$159.69	8.00	7.30
4" CONDUIT SUPPORT	59	\$197.00 C	\$116.97	8.00	4.75
#8 THHN CU STR	1,045	\$279.00 M	\$291.56	8.00	8.36
#6 THHN CU STR	510	\$431.00 M	\$219.81	9.00	4.59
#3 THHN CU STR	3,020	\$856.00 M	\$2,585.12	12.00	36.24
#1 THHN CU STR	2,550	\$1,359.00 M	\$3,465.45	16.00	40.80
#1/0 THHN CU STR	160	\$1,654.00 M	\$264.64	18.00	2.88
#4/0 THHN CU STR	1,395	\$3,277.00 M	\$4,571.42	24.00	33.48
#1 XHHW STRAND ALUM	3,000	\$416.00 M	\$1,248.00	15.00	45.00
#3/0 XHHW STRAND ALUM	840	\$746.00 M	\$626.64	19.00	15.96
#350 XHHW STRAND ALUM	2,604	\$1,422.00 M	\$3,702.89	27.00	70.31
#500 XHHW STRAND ALUM	10,450	\$1,833.00 M	\$19,154.85	31.00	323.95
#600 XHHW STRAND ALUM	5,625	\$2,321.00 M	\$13,055.63	34.00	191.25
TRUE TAPE / PULL STRING	6,945	\$40.00 M	\$277.80	3.00	20.84
1" METALLIC BUSHING	4	\$35.00 C	\$1.40	18.00	0.72
1-1/2 GRC COMP CONNECTOR	2	\$1,354.00 C	\$27.08	40.00	0.80
12x12x48" WIREWAY	2	\$146.50 E	\$293.00	0.80	1.60
6x6x12" WIREWAY	3	\$59.50 E	\$178.50	0.14	0.42
6 x 6 x 12" WIREWAY	16	\$19.05 E	\$304.80	0.14	2.24
CONCRETE 2500 PSI PER YD	64	\$104.00 E	\$6,656.00	0.50	32.00
1/2-13 THREAD ROD PER FT	20	\$1.85 E	\$37.00	0.02	0.40
1/2-13 SQ INSERT NUT	20	\$2.00 E	\$40.00	0.01	0.20
FLAT WASH 1/2	40	\$20.00 C	\$8.00	0.50	0.20
3/16 X 4 TOGGLE BOLT	720	\$26.00 C	\$187.07	5.00	35.98
1/2X5-1/2 CONCRETE ANCHOR	8	\$2.25 E	\$18.00	0.15	1.20
FIRE STOP COMPOUND TUBE	24	\$30.00 E	\$720.00	0.30	7.20
3-1/2" TO 5" FIRE STOP	25	\$9.00 E	\$225.00	0.90	22.50
18"W X 36"D EXCAV ROCKY	520	\$0.00 E	\$0.52	0.42	218.40
6'D W/2X12'S HORZ+VERT &	522	\$0.00 E	\$0.52	0.45	234.90
7-9 DUCTS BACKHOE-36"D	520	\$0.00 C	\$0.01	29.00	150.80
			<u>\$105,272.50</u>		<u>3,166.57</u>
			<u>\$105,272.50</u>		<u>3,166.57</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
SECONDARY FEEDERS					
BASE BID					
2-1/2" GRC RIGID COND-XPOS	10	\$841.00 C	\$84.10	26.10	2.61
4" GRC RIGID COND-XPOS	30	\$1,440.00 C	\$432.00	53.20	15.96
3/4" GRC 90 ELB w/COUPLNG	2	\$406.00 C	\$8.12	28.00	0.56
1" GRC 90 ELB w/COUPLNG	2	\$625.00 C	\$12.50	32.00	0.64
1-1/4" GRC 90 ELB w/COUPLNG	2	\$813.00 C	\$16.26	40.00	0.80
2" GRC 90 ELB w/COUPLNG	12	\$1,464.00 C	\$175.68	64.00	7.68
2-1/2" GRC 90 ELB w/COUPLNG	4	\$2,880.00 C	\$115.20	80.00	3.20
3" GRC 90 ELB w/COUPLNG	28	\$3,557.00 C	\$995.96	104.00	29.12
3-1/2" GRC 90 ELB w/COUPLNG	40	\$5,640.00 C	\$2,256.00	128.00	51.20
4" GRC 90 ELB w/COUPLNG	6	\$6,480.00 C	\$388.80	160.00	9.60
2-1/2" GRC 1 HOLE STL STRAP	2	\$40.00 C	\$0.80	0.00	0.00
4" GRC 1 HOLE STL STRAP	6	\$55.00 C	\$3.30	0.00	0.00
3/4" EMT CONDUIT - EXPO	220	\$45.00 C	\$99.00	7.20	15.84
1" EMT CONDUIT - EXPO	290	\$76.00 C	\$220.40	8.60	24.94
1-1/2" EMT CONDUIT - EXPO	10	\$142.00 C	\$14.20	10.15	1.02
2" EMT CONDUIT - EXPO	730	\$173.00 C	\$1,262.90	10.50	76.65
2-1/2" EMT CONDUIT - EXPO	195	\$282.00 C	\$549.90	12.00	23.40
3" EMT CONDUIT - EXPO	1,505	\$349.00 C	\$5,252.45	15.00	225.75
3-1/2" EMT CONDUIT - EXPO	4,360	\$504.00 C	\$21,974.40	17.50	763.00
4" EMT CONDUIT - EXPO	58	\$510.00 C	\$295.80	20.00	11.60
3" EMT 90 ELBOW	3	\$1,976.00 C	\$59.28	70.00	2.10
3-1/2" EMT 90 ELBOW	20	\$2,650.00 C	\$530.00	85.00	17.00
3" EMT 45 ELBOW	2	\$2,500.00 C	\$50.00	70.00	1.40
3-1/2" EMT 45 ELBOW	4	\$3,300.00 C	\$132.00	85.00	3.40
2" EMT PULLING ELBOW	6	\$300.00 E	\$1,800.00	1.13	6.78
3-1/2" EMT PULLING ELBOW	8	\$1,010.00 E	\$8,080.00	2.01	16.08
3/4" EMT COUP SS DC	22	\$30.00 C	\$6.60	0.00	0.00
1" EMT COUP SS DC	29	\$51.00 C	\$14.79	0.00	0.00
2" EMT COUP SS DC	52	\$171.00 C	\$88.92	0.00	0.00
2-1/2" EMT COUP SS DC	17	\$345.00 C	\$58.65	0.00	0.00
3" EMT COUP SS DC	158	\$385.00 C	\$606.38	0.00	0.00
3-1/2" EMT COUP SS DC	345	\$446.00 C	\$1,538.70	0.00	0.00
1-1/2" EMT COUP COMP DC	1	\$117.46 C	\$1.17	0.00	0.00
2" EMT COUP COMP DC	21	\$151.03 C	\$31.72	0.00	0.00
2-1/2" EMT COUP COMP DC	3	\$379.50 C	\$9.49	0.00	0.00
3" EMT COUP COMP DC	1	\$438.20 C	\$4.38	0.00	0.00
3-1/2" EMT COUP COMP DC	123	\$640.60 C	\$787.94	0.00	0.00
4" EMT COUP COMP DC	6	\$702.33 C	\$40.74	0.00	0.00
3/4" EMT CONN SS DC	23	\$27.00 C	\$6.32	5.00	1.17
1" EMT CONN SS DC	17	\$47.00 C	\$8.18	6.00	1.04
1-1/4" EMT CONN SS DC	2	\$102.00 C	\$2.04	8.00	0.16
1-1/2" EMT CONN SS DC	2	\$121.00 C	\$2.42	10.00	0.20
2" EMT CONN SS DC	7	\$162.00 C	\$11.34	13.00	0.91
3" EMT CONN SS DC	83	\$470.00 C	\$390.10	20.00	16.60
3-1/2" EMT CONN SS DC	112	\$549.00 C	\$614.88	25.00	28.00
2" EMT CONN COMP DC-IT	2	\$233.00 C	\$4.66	20.00	0.40
2-1/2" EMT CONN COMP DC-IT	4	\$965.00 C	\$38.60	25.00	1.00
3" EMT CONN COMP DC-IT	4	\$1,300.00 C	\$52.00	30.00	1.20
4" EMT CONN COMP DC-IT	6	\$1,800.00 C	\$108.00	40.00	2.40
3/4" EMT 1 HOLE STRAP	28	\$7.00 C	\$1.93	0.00	0.00



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
1" EMT 1 HOLE STRAP	36	\$12.00 C	\$4.35	0.00	0.00
1-1/2 EMT 1 HOLE STRAP	1	\$29.00 C	\$0.36	0.00	0.00
2" EMT 1 HOLE STRAP	91	\$34.00 C	\$31.03	0.00	0.00
2-1/2 EMT 2 HOLE STRAP	24	\$21.00 C	\$5.12	0.00	0.00
3" EMT 2 HOLE STRAP	188	\$29.00 C	\$54.56	0.00	0.00
3-1/2 EMT 2 HOLE STRAP	545	\$45.00 C	\$245.25	0.00	0.00
4" EMT 2 HOLE STRAP	7	\$56.00 C	\$4.06	0.00	0.00
1-1/2 DB PVC MALE ADAPT	2	\$110.70 C	\$2.21	7.26	0.15
2" DB PVC FEMALE ADPT	8	\$153.00 C	\$12.24	9.12	0.73
1-1/2 DB PVC 18" RAD ELBOW	3	\$542.70 C	\$16.28	35.00	1.05
2" DB PVC 18" RAD ELBOW	16	\$542.70 C	\$86.83	35.00	5.60
3" DB PVC 18" RAD ELBOW	6	\$659.70 C	\$39.58	40.00	2.40
3-1/2 DB PVC 24" RAD ELBOW	4	\$1,134.00 C	\$45.36	45.00	1.80
1-1/2 DB PVC 18" RAD-45 ELBOW	3	\$513.00 C	\$15.39	35.00	1.05
3" DB PVC 24" RAD-45 ELBO	6	\$664.20 C	\$39.85	40.00	2.40
3-1/2 DB PVC 24" RAD-45 ELBOW	9	\$721.80 C	\$64.96	45.00	4.05
1" PVC COND/SCH 40-SLAB	30	\$28.00 C	\$8.40	4.30	1.29
1-1/4 PVC COND/SCH 40-SLAB	90	\$39.00 C	\$35.10	5.70	5.13
1-1/2 PVC COND/SCH 40-SLAB	95	\$46.00 C	\$43.70	7.20	6.84
2" PVC COND/SCH 40-SLAB	660	\$51.00 C	\$336.60	9.20	60.72
2" PVC COND/SCH 40-UND	40	\$51.00 C	\$20.40	5.50	2.20
2-1/2 PVC COND/SCH 40-SLAB	272	\$88.00 C	\$239.36	10.04	27.31
3" PVC COND/SCH 40-SLAB	832	\$110.00 C	\$915.20	11.00	91.52
3-1/2 PVC COND/SCH 40-SLAB	680	\$136.00 C	\$924.80	12.00	81.60
4" PVC COND/SCH 40-SLAB	318	\$154.00 C	\$489.72	13.00	41.34
1" PVC COUPLING	1	\$19.20 C	\$0.17	0.00	0.00
1-1/4 PVC COUPLING	9	\$32.00 C	\$2.78	0.00	0.00
1-1/2 PVC COUPLING	3	\$35.70 C	\$1.02	0.00	0.00
2" PVC COUPLING	21	\$46.50 C	\$9.76	0.00	0.00
2-1/2 PVC COUPLING	8	\$81.85 C	\$6.68	0.00	0.00
3" PVC COUPLING	25	\$135.35 C	\$33.78	0.00	0.00
3-1/2 PVC COUPLING	20	\$150.00 C	\$30.60	0.00	0.00
4" PVC COUPLING	10	\$209.00 C	\$19.94	0.00	0.00
1-1/4 PVC MALE ADAPTER	2	\$38.50 C	\$0.77	0.00	0.00
3-1/2 PVC MALE ADAPTER	4	\$215.00 C	\$8.60	0.00	0.00
1-1/4 PVC FEMALE ADAPTER	1	\$44.50 C	\$0.45	0.00	0.00
2-1/2 PVC FEMALE ADAPTER	2	\$147.20 C	\$2.94	0.00	0.00
3" PVC FEMALE ADAPTER	4	\$183.70 C	\$7.35	0.00	0.00
4" PVC FEMALE ADAPTER	6	\$246.20 C	\$14.77	0.00	0.00
QT. PVC GLUE	6	\$1,095.00 C	\$66.07	0.00	0.00
3-1/2 x 12 FACTORY GRC NIP	6	\$10,670.00 C	\$640.20	30.00	1.80
3" PLASTIC BUSHING	4	\$110.00 C	\$4.40	20.00	0.80
3-1/2 PLASTIC BUSHING	30	\$150.00 C	\$45.00	25.00	7.50
4" PLASTIC BUSHING	9	\$185.00 C	\$16.65	30.00	2.70
3/4" BONDING BUSHING	2	\$163.00 C	\$3.26	12.00	0.24
2" BONDING BUSHING	5	\$308.00 C	\$15.40	25.00	1.25
2-1/2 BONDING BUSHING	9	\$608.00 C	\$54.72	30.00	2.70
3" BONDING BUSHING	42	\$825.00 C	\$346.50	35.00	14.70
3-1/2 BONDING BUSHING	70	\$960.00 C	\$672.00	40.00	28.00
4" BONDING BUSHING	9	\$1,051.00 C	\$94.59	50.00	4.50
2-1/2 LOCKNUT	4	\$66.00 C	\$2.64	50.00	2.00
3-1/2 LOCKNUT	8	\$112.00 C	\$8.96	70.00	5.60



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
4" LOCKNUT	12	\$149.00 C	\$17.88	80.00	9.60
3-1/2 GROUND BUSH w/ LN	8	\$3,700.00 C	\$296.00	80.00	6.40
4" GROUND BUSH w/ LN	4	\$3,900.00 C	\$156.00	95.00	3.80
1-1/4 STEEL FLEX	48	\$101.00 C	\$48.48	10.00	4.80
2-1/2 STEEL FLEX	24	\$191.00 C	\$45.84	22.40	5.38
3" STEEL FLEX	22	\$238.00 C	\$52.36	26.20	5.76
4" STEEL FLEX	36	\$534.00 C	\$192.24	33.00	11.88
3" FLEX STRAIGHT CONN	2	\$1,100.00 C	\$22.00	25.00	0.50
4" FLEX STRAIGHT CONN	18	\$6,000.00 C	\$1,080.00	35.00	6.30
4-11/16 FLAT 1/2 KO COVER	5	\$99.00 C	\$4.95	8.00	0.40
#10 THHN CU STR	1,158	\$161.00 M	\$186.44	7.50	8.69
#8 THHN CU STR	1,535	\$279.00 M	\$428.27	8.00	12.28
#6 THHN CU STR	100	\$431.00 M	\$43.10	9.00	0.90
#4 THHN CU STR	1,830	\$680.00 M	\$1,244.40	10.00	18.30
#3 THHN CU STR	2,968	\$856.00 M	\$2,540.61	12.00	35.62
#2 THHN CU STR	212	\$1,075.00 M	\$227.90	14.00	2.97
#1 THHN CU STR	2,870	\$1,359.00 M	\$3,900.33	16.00	45.92
#1/0 THHN CU STR	1,410	\$1,654.00 M	\$2,332.14	18.00	25.38
#4/0 THHN CU STR	2,413	\$3,277.00 M	\$7,907.40	24.00	57.91
#1 XHHW STRAND ALUM	300	\$416.00 M	\$124.80	15.00	4.50
#1/0 XHHW STRAND ALUM	435	\$508.00 M	\$220.98	16.00	6.96
#2/0 XHHW STRAND ALUM	2,420	\$600.00 M	\$1,452.00	17.00	41.14
#250 XHHW STRAND ALUM	1,060	\$1,012.00 M	\$1,072.72	23.00	24.38
#300 XHHW STRAND ALUM	600	\$1,397.00 M	\$838.20	25.00	15.00
#350 XHHW STRAND ALUM	12,520	\$1,422.00 M	\$17,803.44	27.00	338.04
#500 XHHW STRAND ALUM	15,948	\$1,833.00 M	\$29,232.68	31.00	494.39
#600 XHHW STRAND ALUM	1,428	\$2,321.00 M	\$3,314.39	34.00	48.55
3-1/2 METALLIC BUSHING	2	\$630.00 C	\$12.60	45.00	0.90
2 - 1 REDUCE BUSH	8	\$1,169.00 C	\$93.52	20.10	1.61
6 x 6 x 12" WIREWAY	61	\$19.05 E	\$1,162.05	0.14	8.54
3/16 X 4 TOGGLE BOLT	1,694	\$26.00 C	\$440.38	5.00	84.69
FIRE STOP COMPOUND TUBE	24	\$30.00 E	\$720.00	0.30	7.20
1-1/4" TO 2" FIRE STOP	50	\$3.80 E	\$190.00	0.25	12.50
2-1/2" TO 3" FIRE STOP	50	\$4.50 E	\$225.00	0.50	25.00
3-1/2" TO 5" FIRE STOP	100	\$9.00 E	\$900.00	0.90	90.00
			<u>\$133,558.80</u>		<u>3,238.55</u>
			<u>\$133,558.80</u>		<u>3,238.55</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
GROUNDING SYSTEM					
BASE BID					
3/4" PVC COND/SCH 40-SLAB	765	\$18.00 C	\$137.70	3.60	27.54
1" PVC COND/SCH 40-SLAB	70	\$28.00 C	\$19.60	4.30	3.01
1-1/4 PVC COND/SCH 40-SLAB	200	\$39.00 C	\$78.00	5.70	11.40
1-1/2 PVC COND/SCH 40-SLAB	280	\$46.00 C	\$128.80	7.20	20.16
3/4" PVC COUPLING	23	\$12.50 C	\$2.87	0.00	0.00
1" PVC COUPLING	2	\$19.20 C	\$0.40	0.00	0.00
1-1/4 PVC COUPLING	6	\$32.00 C	\$1.92	0.00	0.00
1-1/2 PVC COUPLING	8	\$35.70 C	\$3.00	0.00	0.00
QT. PVC GLUE	3	\$1,095.00 C	\$28.80	0.00	0.00
1-1/2 x 12 FACTORY GRC NIP	38	\$2,008.00 C	\$763.04	15.00	5.70
#10 THHN CU STR	97	\$161.00 M	\$15.58	7.50	0.73
#6 THHN CU STR	210	\$431.00 M	\$90.35	9.00	1.89
#4 THHN CU STR	516	\$680.00 M	\$350.88	10.00	5.16
#1/0 THHN CU STR	210	\$1,654.00 M	\$347.34	18.00	3.78
#2/0 THHN CU STR	40	\$2,075.00 M	\$83.00	20.00	0.80
#3/0 THHN CU STR	75	\$2,606.00 M	\$196.10	22.00	1.66
#600 THHN CU STR	550	\$9,046.00 M	\$4,975.30	44.00	24.20
24x4x1/4" COPPER GRND BAR	10	\$200.00 E	\$2,000.00	2.00	20.00
GROUND CLAMP 2-1/2TO3-1/2	6	\$2,047.93 C	\$122.88	60.00	3.60
GROUND ROD 3/4 X 10 FT	4	\$2,300.00 C	\$92.00	178.00	7.12
#750 TO 1" GRND ROD #250	4	\$11.90 E	\$47.60	0.50	2.00
#3/0-4/0 TO #5 REBAR #115	4	\$7.00 E	\$28.00	0.50	2.00
			<u>\$9,513.15</u>		<u>140.74</u>
			<u>\$9,513.15</u>		<u>140.74</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
SITE WIRING					
UNITS					
1" PVC COND/SCH 40-SLAB	750	\$28.00 C	\$210.00	4.30	32.25
1" PVC COUPLING	23	\$19.20 C	\$4.32	0.00	0.00
QT. PVC GLUE	2	\$1,095.00 C	\$16.43	0.00	0.00
1/2" SEALTITE	72	\$54.00 C	\$38.88	6.00	4.32
1/2" SEALTITE STR CONN	12	\$87.00 C	\$10.44	6.00	0.72
1/2" SEALTITE 90 CONN	12	\$135.00 C	\$16.20	6.00	0.72
#12 THHN CU STR	336	\$104.00 M	\$34.94	6.00	2.02
#8 THHN CU STR	806	\$279.00 M	\$224.94	8.00	6.45
#4 TO #5 REBAR #32	16	\$2.10 E	\$33.60	0.50	8.00
#12 WIRE TERM LABOR	36	\$0.00 E	\$0.04	0.18	6.30
WIRENUT YELLOW IDEAL	72	\$6.50 C	\$4.68	2.00	1.44
			<u>\$594.47</u>		<u>62.22</u>
			<u>\$594.47</u>		<u>62.22</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
BRANCH POWER					
BASE BID					
\$motor rated switch	11	\$45.00 E	\$495.00	0.25	2.75
1/2" EMT CONDUIT - EXPO	56,000	\$28.00 C	\$15,680.00	6.70	3,752.00
3/4" EMT CONDUIT - EXPO	74,075	\$45.00 C	\$33,333.75	7.20	5,333.40
1" EMT CONDUIT - EXPO	2,635	\$76.00 C	\$2,002.60	8.60	226.61
1-1/4 EMT CONDUIT - EXPO	300	\$115.00 C	\$345.00	9.00	27.00
2" EMT CONDUIT - EXPO	550	\$173.00 C	\$951.50	10.50	57.75
3" EMT CONDUIT - EXPO	830	\$349.00 C	\$2,896.70	15.00	124.50
4" EMT CONDUIT - EXPO	1,940	\$510.00 C	\$9,894.00	20.00	388.00
1/2" EMT COUP SS DC	5,600	\$19.00 C	\$1,064.00	0.00	0.00
3/4" EMT COUP SS DC	7,408	\$30.00 C	\$2,222.25	0.00	0.00
1" EMT COUP SS DC	264	\$51.00 C	\$134.39	0.00	0.00
1-1/4 EMT COUP SS DC	30	\$89.00 C	\$26.70	0.00	0.00
2" EMT COUP SS DC	55	\$171.00 C	\$94.05	0.00	0.00
3" EMT COUP SS DC	83	\$385.00 C	\$319.55	0.00	0.00
4" EMT COUP SS DC	194	\$518.00 C	\$1,004.92	0.00	0.00
1/2" EMT CONN SS DC	4,200	\$17.00 C	\$714.00	4.00	168.00
3/4" EMT CONN SS DC	5,255	\$27.00 C	\$1,418.92	5.00	262.76
1" EMT CONN SS DC	270	\$47.00 C	\$126.95	6.00	16.21
1/2" EMT 1 HOLE STRAP	7,000	\$5.00 C	\$350.00	0.00	0.00
3/4" EMT 1 HOLE STRAP	9,259	\$7.00 C	\$648.16	0.00	0.00
1" EMT 1 HOLE STRAP	329	\$12.00 C	\$39.53	0.00	0.00
1-1/4 EMT 1 HOLE STRAP	38	\$18.00 C	\$6.75	0.00	0.00
2" EMT 1 HOLE STRAP	69	\$34.00 C	\$23.38	0.00	0.00
3" EMT 2 HOLE STRAP	104	\$29.00 C	\$30.09	0.00	0.00
4" EMT 2 HOLE STRAP	243	\$56.00 C	\$135.80	0.00	0.00
4-11 x 2-1/8 D BOX 3/4-1KO	35	\$222.00 C	\$77.70	30.00	10.50
#12 THHN CU STR	72,535	\$104.00 M	\$7,543.64	6.00	435.21
#10 THHN CU STR	122,940	\$161.00 M	\$19,793.34	7.50	922.05
#8 THHN CU STR	4,900	\$279.00 M	\$1,367.10	8.00	39.20
#6 THHN CU STR	6,085	\$431.00 M	\$2,622.64	9.00	54.77
#4 THHN CU STR	750	\$680.00 M	\$510.00	10.00	7.50
#3 THHN CU STR	4,680	\$856.00 M	\$4,006.08	12.00	56.16
#1/0 THHN CU STR	720	\$1,654.00 M	\$1,190.88	18.00	12.96
#3/0 THHN CU STR	450	\$2,606.00 M	\$1,172.70	22.00	9.90
TRUE TAPE / PULL STRING	753	\$40.00 M	\$30.10	3.00	2.26
20A #12 EQUIP CONNECT	12	\$0.00 E	\$0.01	0.18	2.16
3/16 X 4 TOGGLE BOLT	17,388	\$26.00 C	\$4,520.75	5.00	869.38
			<u>\$116,792.90</u>		<u>12,781.02</u>
UNITS					
ALARM SPREAKER-elect	132	QUOTE E	\$0.00	0.50	66.00
ALARM STROBE-elect	83	QUOTE E	\$0.00	0.60	49.80
#10X1-1/4" F/H SELF TAP SCRW	916	\$8.54 C	\$78.23	3.00	27.48
1/2" EMT CONDUIT - HC	2,870	\$28.00 C	\$803.60	4.40	126.28
1/2" EMT CONDUIT - EXPO	610	\$28.00 C	\$170.80	6.70	40.87
3/4" EMT CONDUIT - HC	35,920	\$45.00 C	\$16,164.00	4.80	1,724.16
1" EMT CONDUIT - HC	5,825	\$76.00 C	\$4,427.00	5.30	308.73
1-1/4 EMT CONDUIT - HC	4,190	\$115.00 C	\$4,818.50	6.20	259.78
1-1/4 EMT 90 ELBOW	12	\$320.00 C	\$38.40	32.00	3.84
1/2" EMT COUP SS DC	348	\$19.00 C	\$66.12	0.00	0.00
3/4" EMT COUP SS DC	2,198	\$30.00 C	\$659.40	0.00	0.00



Total by System

Sample Project #2

100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
1" EMT COUP SS DC	583	\$51.00 C	\$297.08	0.00	0.00
1-1/4 EMT COUP SS DC	443	\$89.00 C	\$394.27	0.00	0.00
1/2" EMT CONN SS DC	261	\$17.00 C	\$44.37	4.00	10.44
3/4" EMT CONN SS DC	1,539	\$27.00 C	\$415.42	5.00	76.93
1" EMT CONN SS DC	350	\$47.00 C	\$164.27	6.00	20.97
3/4" EMT CONN SS STL	1,394	\$38.00 C	\$529.72	5.00	69.70
1/2" EMT 1 HOLE STRAP	76	\$5.00 C	\$3.81	0.00	0.00
3/4" EMT 1 HOLE STRAP	1,394	\$7.00 C	\$97.58	0.00	0.00
1/4x2 CONDUIT SUPPORT-per ft	524	\$3.45 E	\$1,806.94	0.35	183.31
3/4" PVC COND/SCH 40-SLAB	21,010	\$18.00 C	\$3,781.80	3.60	756.36
3/4" PVC COUPLING	630	\$12.50 C	\$78.79	0.00	0.00
QT. PVC GLUE	42	\$1,095.00 C	\$460.12	0.00	0.00
120V SMOKE DETECTOR	1,374	\$9.00 E	\$12,366.00	0.16	219.84
1/2" CONDUIT SUPPORT	359	\$65.00 C	\$233.19	5.00	17.94
3/4" CONDUIT SUPPORT	2,748	\$72.00 C	\$1,978.20	5.00	137.38
1" CONDUIT SUPPORT	728	\$80.00 C	\$582.50	5.00	36.41
1-1/4 CONDUIT SUPPORT	524	\$90.00 C	\$471.38	5.00	26.19
CONC BOX 3" D 1/2" & 3/4"	382	\$135.00 C	\$515.70	25.00	95.50
4" SQ BOX 1-1/2"D COMBO KO	8,939	\$50.00 C	\$4,469.50	22.00	1,966.58
4"-11 x 1-1/2 D BOX COMBO	666	\$222.00 C	\$1,478.52	30.00	199.80
1-GNG 2-1/2" D TILE BOX	209	\$177.00 C	\$369.93	30.00	62.70
3-GNG 2-1/2" D TILE BOX	389	\$260.00 C	\$1,011.40	40.00	155.60
4" 1G MUDRING 5/8 RAISED	7,812	\$50.00 C	\$3,906.00	8.00	624.96
4" 2G MUDRING 5/8 RAISE	1,127	\$50.00 C	\$563.50	8.00	90.16
4-11/16 1G MUDRING 5/8	666	\$120.00 C	\$799.20	10.00	66.60
1G GFI W.P. PLATE	209	\$3.50 E	\$731.50	0.10	20.90
20A DUPLX/TEL FLOOR BOX	282	\$175.00 E	\$49,350.00	1.25	352.50
#14 THHN CU STR	35,201	\$66.00 M	\$2,323.26	5.00	176.00
#12 THHN CU STR	192,549	\$104.00 M	\$20,025.07	6.00	1,155.29
#10 THHN CU STR	2,559	\$161.00 M	\$411.92	7.50	19.19
#8 THHN CU STR	15,052	\$279.00 M	\$4,199.54	8.00	120.42
#4 THHN CU STR	17,205	\$680.00 M	\$11,699.66	10.00	172.05
#3 THHN CU STR	12,600	\$856.00 M	\$10,785.60	12.00	151.20
14/2 MC CABLE w/ GRND	41,320	\$396.00 M	\$16,362.72	30.00	1,239.60
12/2 MC CABLE w/ GRND	93,370	\$403.00 M	\$37,628.11	30.00	2,801.10
14/3 MC CABLE w/ GRND	8,925	\$613.00 M	\$5,471.03	30.00	267.75
12/3 MC CABLE w/ GRND	5,660	\$678.00 M	\$3,837.48	30.00	169.80
10/3 MC CABLE w/ GRND	4,175	\$1,179.00 M	\$4,922.33	35.00	146.13
8/3 MC CABLE w/ GRND	7,550	\$2,561.00 M	\$19,335.55	40.00	302.00
3/8" MC CABLE CONNECTOR	9,275	\$47.00 C	\$4,359.25	5.00	463.75
3/8" MC CABLE DOUBLE CONN	9,275	\$69.00 C	\$6,399.75	5.00	463.75
3/4" MC CABLE CONNECTOR	750	\$115.00 C	\$862.50	7.00	52.50
TRUE TAPE / PULL STRING	15,334	\$40.00 M	\$613.36	3.00	46.00
20A 1P TOGGLE SW-COMM	4,136	\$225.00 C	\$9,306.00	20.00	827.20
50A 3W SINGLE RECEPT SPEC	444	\$425.00 C	\$1,887.00	30.00	133.20
30A 4W DRYER RECEPT SPEC	222	\$600.00 C	\$1,332.00	35.00	77.70
20A 3W TOGLE SW-COMMCL	116	\$540.00 C	\$626.40	30.00	34.80
20A DUPLEX RECPT-COMM	3,646	\$150.00 C	\$5,469.00	20.00	729.20
20A 125V SNGL RECPT-COMM	371	\$382.50 C	\$1,419.08	25.00	92.75
20A GFI DUPLEX RECPT-COMM	1,106	\$1,000.00 C	\$11,060.00	25.00	276.50
30A 1G RECEPT PLATE-IVORY	222	\$114.75 C	\$254.75	3.00	6.66
50A 2G RECEPT PLATE-IVORY	444	\$463.50 C	\$2,057.94	5.00	22.20



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
1 GANG SWITCH PLATE IVORY	1,199	\$22.00 C	\$263.78	10.00	119.90
2 GANG SWITCH PLATE IVORY	943	\$70.00 C	\$660.10	12.00	113.16
3 GANG SWITCH PLATE IVORY	389	\$60.00 C	\$233.40	5.00	19.45
1 G DUPLX RECEP PLATE IVORY	4,384	\$22.00 C	\$964.48	10.00	438.40
2 G DUPLX RECEP PLATE IVORY	184	\$70.00 C	\$128.80	12.00	22.08
1 GANG SNGL RECEP PLT IVORY	371	\$22.00 C	\$81.62	10.00	37.10
1G BLANK PLASTIC PLATE	1,394	\$40.00 C	\$557.60	10.00	139.40
YELLOW SCOTCHLOKS 3M	7,654	\$6.50 C	\$497.51	2.00	153.08
METAL STUD SCREW	11,718	\$5.00 C	\$585.90	4.00	468.72
TEK SCREW 10X1	430	\$5.00 C	\$21.50	4.00	17.20
METAL STUD SCREW	6,924	\$0.04 E	\$276.96	0.04	276.96
3/16 X 4 TOGGLE BOLT	1,470	\$26.00 C	\$382.27	5.00	73.51
			<u>\$301,429.91</u>		<u>19,623.40</u>
			<u>\$418,222.81</u>		<u>32,404.42</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
DEVICES					
BASE BID					
\$motor rated switch	78	\$45.00 E	\$3,510.00	0.25	19.50
4" SQ BOX 1-1/2"D COMBO KO	783	\$50.00 C	\$391.50	22.00	172.26
4" SQ BOX 2-1/8" D COMBO KO	12	\$85.00 C	\$10.20	22.00	2.64
4"-11 x 1-1/2 D BOX COMBO	176	\$222.00 C	\$390.72	30.00	52.80
1-GNG 2-1/2" D TILE BOX	79	\$177.00 C	\$139.83	30.00	23.70
3-GNG 2-1/2" D TILE BOX	10	\$260.00 C	\$26.00	40.00	4.00
4" 1G MUDRING 5/8 RAISED	403	\$50.00 C	\$201.50	8.00	32.24
4-11/16 1G MUDRING 5/8	176	\$120.00 C	\$211.20	10.00	17.60
4" SQ FLAT 1/2" KO COVER	392	\$35.00 C	\$137.20	8.00	31.36
W.P. 1G SWITCH PLATE	28	\$2.25 E	\$63.00	0.05	1.40
20A 1P TOGGLE SW-COMM	103	\$225.00 C	\$231.75	20.00	20.60
20A DUPLEX RECPT-COMM	409	\$150.00 C	\$613.50	20.00	81.80
600W DECORA DIMMER SWITCH	21	\$1,326.00 C	\$278.46	50.00	10.50
1 GANG SWITCH PLATE IVORY	73	\$22.00 C	\$16.06	10.00	7.30
3 GANG SWITCH PLATE IVORY	10	\$60.00 C	\$6.00	5.00	0.50
1 G DUPLX RECEPT PLATE IVORY	152	\$22.00 C	\$33.44	10.00	15.20
1G DUPLEX REC PLATE SS	257	\$125.00 C	\$321.25	10.00	25.70
OCCUPANCY SENS. POWER PK.	12	QUOTE E	\$0.00	0.80	9.60
OCCUPANCY SENSOR-WALL MT.	176	QUOTE E	\$0.00	0.70	123.20
YELLOW SCOTCHLOKS 3M	315	\$6.50 C	\$20.48	2.00	6.30
METAL STUD SCREW	522	\$5.00 C	\$26.10	4.00	20.88
TEK SCREW 10X1	352	\$5.00 C	\$17.60	4.00	14.08
WIRENUT YELLOW IDEAL	1,704	\$6.50 C	\$110.76	2.00	34.08
METAL STUD SCREW	304	\$0.04 E	\$12.16	0.04	12.16
BAR HANGER ASSEMBLY	12	\$385.00 C	\$46.20	8.00	0.96
3/16 X 4 TOGGLE BOLT	380	\$26.00 C	\$98.80	5.00	19.00
			<u>\$6,913.71</u>		<u>759.36</u>
			<u>\$6,913.71</u>		<u>759.36</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
EQUIPMENT TERMINATIONS					
BASE BID					
1/2" STEEL FLEX	3,930	\$30.00 C	\$1,179.00	4.00	157.20
3/4" STEEL FLEX	444	\$38.00 C	\$168.72	5.00	22.20
1" STEEL FLEX	90	\$75.00 C	\$67.50	7.50	6.75
1-1/4" STEEL FLEX	66	\$101.00 C	\$66.66	10.00	6.60
2" STEEL FLEX	252	\$161.00 C	\$405.72	30.00	75.60
2-1/2" STEEL FLEX	132	\$191.00 C	\$252.12	22.40	29.57
3" STEEL FLEX	24	\$238.00 C	\$57.12	26.20	6.29
4" STEEL FLEX	30	\$534.00 C	\$160.20	33.00	9.90
1/2" FLEX STRAIGHT CONN	655	\$92.00 C	\$602.60	6.00	39.30
3/4" FLEX STRAIGHT CONN	74	\$132.00 C	\$97.68	7.00	5.18
1" FLEX STRAIGHT CONN	21	\$300.00 C	\$63.00	9.00	1.89
1-1/4" FLEX STRAIGHT CONN	16	\$500.00 C	\$80.00	10.00	1.60
2" FLEX STRAIGHT CONN	84	\$750.00 C	\$630.00	15.00	12.60
2-1/2" FLEX STRAIGHT CONN	44	\$800.00 C	\$352.00	20.00	8.80
3" FLEX STRAIGHT CONN	8	\$1,100.00 C	\$88.00	25.00	2.00
4" FLEX STRAIGHT CONN	10	\$6,000.00 C	\$600.00	35.00	3.50
1/2" FLEX 90 CONN	655	\$273.00 C	\$1,788.15	6.00	39.30
3/4" FLEX 90 CONN	74	\$399.00 C	\$295.26	7.00	5.18
1" FLEX 90 CONN	9	\$690.00 C	\$62.10	9.00	0.81
1-1/4" FLEX 90 CONN	6	\$1,600.00 C	\$96.00	10.00	0.60
#10 THHN CU STR	1,407	\$161.00 M	\$226.53	7.50	10.55
#12 THHN CU SOL	17,556	\$102.00 M	\$1,790.71	6.00	105.34
#8 THHN CU STR	1,715	\$279.00 M	\$478.49	8.00	13.72
#6 THHN CU STR	469	\$431.00 M	\$202.14	9.00	4.22
#4 THHN CU STR	420	\$680.00 M	\$285.60	10.00	4.20
#3 THHN CU STR	161	\$856.00 M	\$137.82	12.00	1.93
#1/0 THHN CU STR	994	\$1,654.00 M	\$1,644.08	18.00	17.89
#2/0 THHN CU STR	84	\$2,075.00 M	\$174.30	20.00	1.68
#4/0 THHN CU STR	616	\$3,277.00 M	\$2,018.63	24.00	14.78
#350 THHN CU STR	112	\$5,453.00 M	\$610.74	30.00	3.36
#500 THHN CU STR	140	\$7,527.00 M	\$1,053.78	36.00	5.04
BLUE SCOTCHLOKS 3M	54	\$30.00 C	\$16.20	3.00	1.62
#12 WIRE TERM LABOR	1,881	\$0.00 E	\$1.88	0.18	329.18
#10 WIRE TERM LABOR	84	\$0.00 E	\$0.08	0.20	16.80
#8 WIRE TERM LABOR	222	\$0.00 E	\$0.22	0.25	55.50
#6 WIRE TERM LABOR	27	\$0.00 E	\$0.03	0.30	8.10
#4-#3 WIRE TERM LABOR	18	\$0.00 E	\$0.02	0.35	6.30
1/0-2/0 WIRE TERM LABOR	42	\$0.00 E	\$0.04	0.55	23.10
WIRENUT YELLOW IDEAL	3,930	\$6.50 C	\$255.45	2.00	78.60
WIRENUT RED IDEAL	444	\$8.00 C	\$35.52	2.00	8.88
			<u>\$16,044.08</u>		<u>1,145.66</u>
UNITS					
1/2" STEEL FLEX	1,848	\$30.00 C	\$554.40	4.00	73.92
3/4" STEEL FLEX	378	\$38.00 C	\$143.64	5.00	18.90
1/2" FLEX STRAIGHT CONN	308	\$92.00 C	\$283.36	6.00	18.48
3/4" FLEX STRAIGHT CONN	63	\$132.00 C	\$83.16	7.00	4.41
1/2" FLEX 90 CONN	308	\$273.00 C	\$840.84	6.00	18.48
3/4" FLEX 90 CONN	63	\$399.00 C	\$251.37	7.00	4.41
#10 THHN CU STR	441	\$161.00 M	\$71.00	7.50	3.31
#12 THHN CU SOL	8,624	\$102.00 M	\$879.65	6.00	51.74



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
#8 THHN CU STR	1,323	\$279.00 M	\$369.12	8.00	10.58
#12 WIRE TERM LABOR	924	\$0.00 E	\$0.92	0.18	161.70
#8 WIRE TERM LABOR	189	\$0.00 E	\$0.19	0.25	47.25
WIRENUT YELLOW IDEAL	1,848	\$6.50 C	\$120.12	2.00	36.96
WIRENUT RED IDEAL	378	\$8.00 C	\$30.24	2.00	7.56
			<u>\$3,628.01</u>		<u>457.71</u>
			<u>\$19,672.09</u>		<u>1,603.36</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
GENERATOR					
BASE BID					
GENERATOR 900KW AND ABOVE	1	QUOTE E	\$0.00	110.00	110.00
BATTERY CHARGER	1	QUOTE E	\$0.00	1.00	1.00
BATTERY HEATER	1	QUOTE E	\$0.00	1.00	1.00
REMOTE ANNUNICATOR	1	QUOTE E	\$0.00	3.50	3.50
SHUNT TRIP PUSH BUTTON	1	\$50.00 E	\$50.00	1.00	1.00
400AMP AUTO-TRANSFER SW	2	QUOTE E	\$0.00	12.00	24.00
600AMP AUTO-TRANSFER SW	1	QUOTE E	\$0.00	15.00	15.00
1200AMP AUTO-TRANSFER SW	1	QUOTE E	\$0.00	26.00	26.00
			<u>\$50.00</u>		<u>181.50</u>
			<u>\$50.00</u>		<u>181.50</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
DIMMING SYSTEM					
BASE BID					
36 CIRC. DIMMER PANEL	2	QUOTE E	\$0.00	32.00	64.00
36 CIRC. DIMMER RACK	2	QUOTE E	\$0.00	40.00	80.00
REMOTE CONTROL STATION	2	QUOTE E	\$0.00	2.00	4.00
PER CIRCUIT TERMINATION	30	\$0.00 E	\$0.03	0.15	4.50
			<u>\$0.03</u>		<u>152.50</u>
			<u>\$0.03</u>		<u>152.50</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
TELEPHONE SYSTEM					
BASE BID					
3/4" EMT CONDUIT - HC	2,300	\$45.00 C	\$1,035.00	4.80	110.40
3" EMT CONDUIT - EXPO	28	\$349.00 C	\$97.72	15.00	4.20
4" EMT CONDUIT - EXPO	84	\$510.00 C	\$428.40	20.00	16.80
3/4" EMT COUP SS STL	184	\$42.00 C	\$77.28	0.00	0.00
3" EMT CONN SS STL	56	\$842.00 C	\$471.52	20.00	11.20
4" EMT CONN SS STL	168	\$1,229.00 C	\$2,064.72	30.00	50.40
3/4" EMT 1 HOLE STRAP	276	\$7.00 C	\$19.32	0.00	0.00
3" PLASTIC BUSHING	56	\$110.00 C	\$61.60	20.00	11.20
4" PLASTIC BUSHING	258	\$185.00 C	\$477.30	30.00	77.40
3" CONDUIT SUPPORT	50	\$142.00 C	\$71.00	7.00	3.50
4" CONDUIT SUPPORT	236	\$197.00 C	\$464.92	8.00	18.88
#6 THHN CU STR	2,530	\$431.00 M	\$1,090.43	9.00	22.77
GROUND CLAMP 1/2 TO 1IN	46	\$366.91 C	\$168.78	40.00	18.40
SPLT-BLT PLTED #6	46	\$425.00 C	\$195.50	35.00	16.10
GROUND ROD 3/4 X 10 FT	46	\$2,300.00 C	\$1,058.00	178.00	81.88
COND CLAMP 4IN B20	90	\$219.33 C	\$197.40	4.50	4.05
12 GA 1-5/8 X 1-5/8 CHANL	196	\$122.44 C	\$239.98	10.00	19.60
5/16X4 RD HAD TOGGLE BLT	184	\$56.00 C	\$103.04	5.00	9.20
TAPCON ANCHOR 1/4X3	344	\$25.00 C	\$86.00	5.00	17.20
CONDUIT SLEEVE 4"	45	\$10.00 E	\$450.00	0.30	13.50
CONDUIT SLEEVE 6"	125	\$12.00 E	\$1,500.00	0.35	43.75
2-1/2" TO 3" FIRE STOP	28	\$4.50 E	\$126.00	0.50	14.00
3-1/2" TO 5" FIRE STOP	324	\$9.00 E	\$2,916.00	0.90	291.60
4'X 8'X3/4" PLYWOOD FIRE	46	\$55.00 E	\$2,530.00	2.00	92.00
			<u>\$15,929.91</u>		<u>948.03</u>
			<u>\$15,929.91</u>		<u>948.03</u>



Total by System

Sample Project #2
100

Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
FIRE ALARM SYSTEM					
BASE BID					
F/A PULL STATION w/ LABOR	76	\$0.00 E	\$0.08	0.25	19.00
PULL STATION-elect	76	QUOTE E	\$0.00	0.40	30.40
ALARM SPEAKER w/ LABOR	496	\$0.00 E	\$0.50	0.40	198.40
ALARM SPREAKER-elect	496	QUOTE E	\$0.00	0.50	248.00
ALARM STROBE w/ LABOR	377	\$0.00 E	\$0.38	0.40	150.80
ALARM STROBE-elect	377	QUOTE E	\$0.00	0.60	226.20
ALARM HORN/STROBE-elect	313	QUOTE E	\$0.00	0.60	187.80
ALARM SPKR/STROBE w/ LABOR	626	\$0.00 E	\$0.63	0.40	250.40
DUCT DETECTOR w/ LABOR	37	\$0.00 E	\$0.04	1.15	42.55
SMOKE DUCT RELAY BASE	37	\$0.00 E	\$0.04	0.10	3.70
DUCT DETECTOR-elect	37	QUOTE E	\$0.00	2.00	74.00
FLOW SWITCH w/ LABOR	109	\$0.00 E	\$0.11	0.25	27.25
FLOW SWITCH-elect	109	QUOTE E	\$0.00	0.60	65.40
TAMPER SWITCH w/ LABOR	133	\$0.00 E	\$0.13	0.25	33.25
TAMPER SWITCH-elect	133	QUOTE E	\$0.00	1.00	133.00
DOOR HOLDER w/ LABOR	63	\$0.00 E	\$0.06	0.30	18.90
DOOR HOLDER-elect	63	QUOTE E	\$0.00	1.00	63.00
FIRE DAMPER w/ LABOR	152	\$0.00 E	\$0.15	0.25	38.00
FIREMAN'S PHONE JACK W/LABR	184	\$0.00 E	\$0.18	0.25	46.00
FIREMENS PHONE JACK-elect	184	QUOTE E	\$0.00	0.25	46.00
A/C SHUTDOWN RELAY W/LABOR	9	\$0.00 E	\$0.01	0.50	4.50
FIRE ALARM ADDRESS LABOR	297	QUOTE E	\$0.00	1.00	296.80
ANNUNCIATR BACK BOX MEDIUM	3	\$0.00 E	\$0.00	1.00	3.00
FIRE ALARM PANEL 24 ZONE	42	QUOTE E	\$0.00	6.50	273.00
CONTROL PNL 24 ZONE-elect	2	QUOTE E	\$0.00	18.00	36.00
SYSTEM MONITORING PANEL T	1	\$0.00 E	\$0.00	2.00	2.00
SMOKE DETECTOR W/LABOR	589	\$0.00 E	\$0.59	0.50	294.50
SMOKE DETECTOR-elect	589	QUOTE E	\$0.00	0.60	353.40
HEAT DETECTOR W/LABOR	25	\$0.00 E	\$0.03	0.50	12.50
HEAT DETECTOR-elect	25	QUOTE E	\$0.00	0.80	20.00
ELEVATOR RECALL RELAY W/L	9	\$0.00 E	\$0.01	3.00	27.00
ELEVATOR SHUNT TRIP	9	\$0.00 E	\$0.01	1.00	9.00
ELEVATOR HI-RISE	9	QUOTE E	\$0.00	2.70	24.30
3/4" EMT CONDUIT - EXPO	82,287	\$45.00 C	\$37,029.15	7.20	5,924.66
2" EMT CONDUIT - EXPO	800	\$173.00 C	\$1,384.00	10.50	84.00
3/4" EMT COUP SS DC	8,229	\$30.00 C	\$2,468.61	0.00	0.00
2" EMT COUP SS DC	80	\$171.00 C	\$136.80	0.00	0.00
3/4" EMT CONN SS DC	5,760	\$27.00 C	\$1,555.22	5.00	288.00
3/4" EMT 1 HOLE STRAP	10,286	\$7.00 C	\$720.01	0.00	0.00
2" EMT 1 HOLE STRAP	100	\$34.00 C	\$34.00	0.00	0.00
3/4" PVC COND/SCH 40-SLAB	23,355	\$18.00 C	\$4,203.90	3.60	840.78
2" PVC COND/SCH 40-SLAB	350	\$51.00 C	\$178.50	9.20	32.20
3/4" PVC COUPLING	701	\$12.50 C	\$87.58	0.00	0.00
2" PVC COUPLING	11	\$46.50 C	\$4.88	0.00	0.00
QT. PVC GLUE	47	\$1,095.00 C	\$519.14	0.00	0.00
1/2" STEEL FLEX	730	\$30.00 C	\$219.00	4.00	29.20
1/2" FLEX STRAIGHT CONN	292	\$92.00 C	\$268.64	6.00	17.52
4" SQ BOX 1-1/2"D COMBO KO	2,402	\$50.00 C	\$1,201.00	22.00	528.44
4" 1G MUDRING 5/8 RAISED	2,256	\$50.00 C	\$1,128.00	8.00	180.48
4" SQ FLAT 1/2" KO COVER	146	\$35.00 C	\$51.10	8.00	11.68



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Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
18/2 DATA / SPKR WIRE	146,700	\$145.00 M	\$21,271.50	9.00	1,320.30
#14 THHN CU STR	247,200	\$66.00 M	\$16,315.20	5.00	1,236.00
#12 THHN CU STR	880	\$104.00 M	\$91.52	6.00	5.28
TEK SCREW 10X1	4,586	\$5.00 C	\$229.30	4.00	183.44
14GA 1 5/8X1 5/8 CHAN P11	344	\$112.00 C	\$385.28	10.00	34.40
SPRING NUT 1/4"	172	\$140.00 C	\$240.80	1.98	3.41
3/16 X 4 TOGGLE BOLT	10,386	\$26.00 C	\$2,700.33	5.00	519.29
5/16X4 RD HAD TOGGLE BLT	8	\$56.00 C	\$4.48	5.00	0.40
5/16X4 RUND HD TOG 3020-4	172	\$53.06 C	\$91.26	4.00	6.88
			<u>\$92,522.14</u>		<u>14,504.42</u>
			<u>\$92,522.14</u>		<u>14,504.42</u>



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Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
LIGHTNING PROTECTION					
BASE BID					
1" PVC COND/SCH 40-SLAB	5,600	\$28.00 C	\$1,568.00	4.30	240.80
1" PVC COUPLING	168	\$19.20 C	\$32.26	0.00	0.00
1" PVC EXPNSIN CPLG	12	\$384.00 C	\$46.08	50.00	6.00
1" PVC MALE ADAPTER	80	\$30.00 C	\$24.00	0.00	0.00
QT. PVC GLUE	11	\$1,095.00 C	\$122.64	0.00	0.00
8x8x4 PVC JUNCTN BOX	39	\$3,547.00 C	\$1,383.33	37.50	14.63
TRUE TAPE / PULL STRING	6,020	\$40.00 M	\$240.80	3.00	18.06
			<u>\$3,417.11</u>		<u>279.49</u>
			<u>\$3,417.11</u>		<u>279.49</u>



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Part	Quantity	Material Cost	Material Ext	Labor Units	Labor Ext
Report Total			\$820,655.77		70,556.87

Sq. Feet : 520,000.00
Material / Ft : \$1.58
Labor / Ft : \$0.14