



## **SAMPLE ESTIMATE LESS THAN 100% DESIGNED**

The following estimate sample (180 pages) is indicative to the amount of detail contained in a Tempest Company estimate, when the design is less than 100% complete. These estimates are prepared for,

- A Detailed Feasibility Estimate (typically less than 1% design completion), or
  - A Schematic Design Estimate (typically less than 5% design completion), or
  - A Design Development Estimate (approximately 35 to 60% design completion)
- And/or
- A Design Build Bid Estimate.

When a detailed estimate is prepared with plans and specifications that are less than 100% complete, Tempest Company's estimators develop comprehensive scope information based upon their experience. Often times this level of detail is far higher than indicated on the plans and in specifications.

The estimate for this sample was based upon Schematic Design documents with design less than 5% complete for the project. The estimate was prepared for a Program Manager in order to confirm the budget for the project. The information consisted of a site plan of the existing grade, floor plans, elevations, and outline specifications. In virtually every instance for this estimate, the plans did not contain any substantial amount of design information. This required the estimators to determine the scope.

For Sitework, this ranged from having to include site earthwork from the existing grade and making a determination of what the new grade would be with the building to the probable routing and sizing of the site mechanical and electrical utilities.

For Concrete it involved determining footing sizes, slab thickness and reinforcing quantities based on design criteria for similar projects.

Masonry involved studying the elevations and floor plans to determine the quantities for CMU and brick materials on the interior and exterior of the building.

This process is continued on the balance of the project for the Metals through Conveying Systems divisions of work. As illustrated in the sample, this process enabled a high degree of detail.

The Mechanical scope involved determining locations of fixtures and equipment. From these locations pipe was sized and routed to the termination points. Each system was separately identified within the estimate. A similar process was followed for the ductwork and its' equipment. The fire protection and temperature controls were priced from historical cost information.

The Electrical scope involved determining locations and number of light fixtures, wiring devices and the distribution system requirements. Coordination was done with the mechanical equipment locations. From these parameters the items, conduit, wiring and associated material quantities were developed for the project. This same process was used for the different electrical systems, such as life safety and communications, contained in the estimate.

Integral with determining the direct scope of work in each estimate is the inclusion or exclusion of the overheads and profit for subcontractors and the prime contractor. In this estimate sample, they have been included on a percentage basis. They can also be included on a detailed basis.

Estimates prepared for projects that are not 100% complete need to consider the inclusion of contingency and escalation. Our use of contingency is used to cover design issues (scope) that have not been addressed in the estimate, yet will appear as the design progresses to 100% completion. This involves a percentage line item that is readily identifiable, not an amount "buried" in each line item of the estimate. Our use of escalation is based upon the date the estimate is prepared and the anticipated contract award date for firm price contracts. Like contingency, this is an identifiable line item in the estimate. As a project develops from little or no information to 100% plans and specifications, the contingency and escalation are adjusted to reflect the current conditions of the design documents.

EST NUMBER: WEBFEAS02  
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SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
ESTIMATE SUMMARY

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 1

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
NEW CONSTRUCTION	110,342.5	729,025	1,315,574	76,607	10,793,126	12,914,332
CONTINGENCY	0.0	72,903	131,557	7,661	1,079,313	1,291,434
ESCALATION	0.0	56,135	101,299	5,899	831,071	994,404
*** TOTAL ESTIMATED COST ***	110,342.5	858,063	1,548,430	90,167	12,703,510	15,200,170

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SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
NEW CONSTRUCTION SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 2

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
SITWORK	15,713.9	143,751	34,450	70,143	1,017,078	1,265,422
CONCRETE	11,037.5	300,398	366,269	10	79,810	746,487
MASONRY	14,835.0	0	0	0	1,306,336	1,306,336
METALS	6,488.5	0	0	0	1,656,693	1,656,693
WOODS AND PLASTICS	2,546.0	88,525	341,754	0	0	430,279
THERMAL AND MOISTURE PROTECTION	7,059.5	636	2,290	0	477,089	480,015
DOORS AND WINDOWS	2,509.8	87,265	336,755	0	116,100	540,120
FINISHES	14,606.9	6,926	5,843	0	1,082,316	1,095,085
SPECIALTIES	725.9	25,174	106,297	0	50,960	182,431
EQUIPMENT	147.0	5,112	480	0	21,900	27,492
FURNISHINGS	467.0	16,238	10,600	0	0	26,838
SPECIAL CONSTRUCTION	0.0	0	0	0	0	0
CONVEYING SYSTEMS	0.0	0	0	0	75,000	75,000
MECHANICAL	19,124.8	0	0	0	2,561,757	2,561,757
ELECTRICAL	15,080.7	0	0	0	1,438,776	1,438,776
PRIME CONTRACTOR OVERHEADS	0.0	26,961	48,190	2,806	395,353	473,310
PRIME CONTRACTOR PROFIT	0.0	28,039	62,646	3,648	513,958	608,291
*** NEW CONSTRUCTION ESTIMATED COST ***	110,342.5	729,025	1,315,574	76,607	10,793,126	12,914,332

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SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
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SITWORK SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
SITE DEMOLITION	6,615.6	138,452	0	70,143	104,016	312,611
SITE PREPARATION	516.4	0	0	0	27,632	27,632
EARTHWORK	2,246.4	0	0	0	308,472	308,472
TERMITE TREATMENT	0.0	0	0	0	7,030	7,030
SITE PAVINGS AND SURFACINGS	3,609.4	0	0	0	284,032	284,032
SITE MECHANICAL UTILITIES	1,060.8	0	0	0	90,490	90,490
ELECTRICAL SITE UTILITIES	391.3	0	0	0	50,352	50,352
SITE IMPROVEMENTS	1,220.3	5,299	34,450	0	109,724	149,473
LANDSCAPING	53.7	0	0	0	35,330	35,330
*** SITWORK ESTIMATED COST ***	15,713.9	143,751	34,450	70,143	1,017,078	1,265,422

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
<b>SITE DEMOLITION</b>								
Load & Haul Site Demolition Debris Dump Fees	2,870	Cu Yds	0	0.0	287 Loads 0	0	0	0
Material Quantity - Dispose	2,870	Cu Yds	0	0.0	0	0	0	0
Dump Truck - 6 x 4 Rear Dump 8 to 10 CY 35,000 to 40,000 GVW, On/Off Highway	287	Hours	1	287.0	36.18	10,384	0	0
Loader - 100 Horsepower Diesel Wheel	86	Hours	1	86.0	35.54	3,056	0	0
2 CY Caterpillar 930 or Equivalent Laborer Assistance	96	Hours	1	96.0	23.95	2,299	0	0
				469.0		15,739	0	9,872
Load & Haul Site Demolition Debris Total Subcontract Amount				469.0		0	0	12,915
								38,526
								38,526
<b>Demolition - Site Pavings</b>								
Remove Asphalt Paving	39,250	Sq Ft	0.01	392.5	58,700 Sq Ft 23.95	9,400	0	0
Remove Concrete Paving	19,450	Sq Ft	0.023	447.4	23.95	10,715	0	0
				839.9		20,115	0	23,445
Demolition - Site Pavings Total Subcontract Amount				839.9		0	0	0
								43,560
								43,560
<b>Demolition - Sidewalks</b>								
Remove Concrete Walks	6,450	Sq Ft	0.017	109.7	6,450 Sq Ft 23.95	2,627	0	0
				109.7		2,627	0	1,032
Demolition - Sidewalks Total Subcontract Amount				109.7		0	0	0
								3,659
								3,659
<b>Demolition - Stair on Grade</b>								
Remove Stair on Grade	200	Sq Ft	0.051	10.2	200 Sq Ft 23.95	244	0	0
				10.2		244	0	96
Demolition - Stair on Grade Total Subcontract Amount				10.2		0	0	0
								340
								340
<b>Demolition - Curbs &amp; Gutters</b>								
Remove Concrete Curb & Gutter	600	Lin Ft	0.12	72.0	600 Lin Ft 23.95	1,724	0	0
				72.0		1,724	0	840
Demolition - Curbs & Gutters Total Subcontract Amount				72.0		0	0	0
								2,564
								2,564

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT TOTAL	MATERIAL DOLLARS UNIT TOTAL	EQUIPMENT DOLLARS UNIT TOTAL	SUBCONTRACT DOLLARS UNIT TOTAL	TOTAL DOLLARS				
Demolition - Fencing Remove Chain Link Fence	1,205	Lin Ft	QUANTITY: 0.054	65.1	1,205 Lin Ft 23.95	1,559	0	0	0.54	651	0	0	2,210
Demolition - Fencing Total Subcontract Amount				65.1 65.1		1,559 0	0 0		651 0		0 2,210		2,210 2,210
Demolition - Concrete Remove Concrete Footings	8,739	Cu Ft	QUANTITY: 0.07	611.7	19,060 Cu Ft 23.95	14,650	0	0	4.72	41,248	0	0	55,898
Remove Concrete Walls	10,321	Cu Ft	0.43	4,438.0	23.95	106,290	0	0	1.94	20,023	0	0	126,313
Demolition - Concrete				5,049.7		120,940	0		61,271		0		182,211
SUB-TOTAL				6,615.6		120,940	0		61,271		90,859		273,070
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	9,675	8.00 %	0	8.00 %	4,902	8.00 %	7,269	21,846
SUB-TOTAL				6,615.6		130,615	0		66,173		98,128		294,916
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	7,837	6.00 %	0	6.00 %	3,970	6.00 %	5,888	17,695
*** SITE DEMOLITION ESTIMATED COST ***				6,615.6		138,452	0		70,143		104,016		312,611
SITE PREPARATION													
Site Clearing - Vegetation & Shrubs Clear Site - Grass & Vegetation	66,200	Sq Ft	QUANTITY: .000248	16.4	66,200 Sq Ft 23.95	393	0.0179	1,185	0	0	0	0	1,578
Site Clearing - Vegetation & Shrubs Total Subcontract Amount				16.4 16.4		393 0		1,185 0	0 0		0 1,578		1,578 1,578
Site Clearing - Trees Remove Trees 12" to 24" Diameter	46	Each	QUANTITY: 8	368.0	56 Each 23.95	8,814	175	8,050	0	0	0	0	16,864
Remove Trees 24" to 36" Diameter	7	Each	12	84.0	23.95	2,012	235	1,645	0	0	0	0	3,657
Remove Trees 36" to 48" Diameter	3	Each	16	48.0	23.95	1,150	296	888	0	0	0	0	2,038
Site Clearing - Trees Total Subcontract Amount				500.0 500.0		11,976 0		10,583 0	0 0		0 22,559		22,559 22,559
SUB-TOTAL				516.4		0	0	0	0		24,137		24,137

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	1,931	1,931
SUB-TOTAL				516.4		0		0		0		26,068	26,068
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	1,564	1,564
*** SITE PREPARATION ESTIMATED COST ***				516.4		0		0		0		27,632	27,632
EARTHWORK													
Site Earthwork				QUANTITY:		84,958 Cu Yds							
Strip Topsoil	817	Cu Yds	0.012	9.8	35.54	348	0	0	1.26	1,029	0	0	1,377
Respread Topsoil	815	Cu Yds	0.012	9.8	35.54	348	0	0	1.26	1,027	0	0	1,375
Site Cut	41,561	Cu Yds	0.015	623.4	35.54	22,156	0	0	1.5	62,342	0	0	84,498
Site Fill	15,768	Cu Yds	0.015	236.5	35.54	8,405	0	0	1.15	18,133	0	0	26,538
Haul-out Spoils	25,793	Cu Yds	0.05	1,289.7	35.54	45,836	0	0	4	103,172	0	0	149,008
Scarify and Recompact	5,514	Sq Yds	0.014	77.2	35.54	2,744	0	0	0.71	3,915	0	0	6,659
Site Earthwork				2,246.4		79,837		0		189,618		0	269,455
Total Subcontract Amount				2,246.4		0		0		0		269,455	269,455
SUB-TOTAL				2,246.4		0		0		0		269,455	269,455
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	21,556	21,556
SUB-TOTAL				2,246.4		0		0		0		291,011	291,011
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	17,461	17,461
*** EARTHWORK ESTIMATED COST ***				2,246.4		0		0		0		308,472	308,472
TERMITE TREATMENT													
Termite Treatment	41,350	Sq Ft	0	0.0	QUANTITY:	41,350 Sq Ft	0	0	0	0	0.17	7,030	7,030
Termite Treatment				0.0		0		0		0		7,030	7,030
*** TERMITE TREATMENT ESTIMATED COST ***				0.0		0		0		0		7,030	7,030

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SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
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SITE PAVINGS AND SURFACINGS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 7

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
PARKING/DRIVES	2,781.9	0	0	0	222,714	222,714
SIDEWALKS	827.5	0	0	0	61,318	61,318
*** SITE PAVINGS AND SURFACINGS ESTIMATED COST ***	3,609.4	0	0	0	284,032	284,032

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
PARKING/DRIVES								
Pavement Striping	1,654	Lin Ft	0	0.0	0	0	0.25	414
Handicap Symbol	4	Each	0	0.0	0	0	50	200
Asphaltic Concrete Paving, Overlay			QUANTITY:	307 Sq Yds				
Asphalt Paving (Area Quantity Only)	307	Sq Yds	0	0.0	0	0	0	0
Asphaltic Concrete Wearing Course	51	Ton	0.14	7.1	35.54	252	0	1,884
Asphaltic Concrete Paving, Overlay				7.1		252		1,884
Total Subcontract Amount				7.1		0		1,884
4" Asphaltic Concrete Paving			QUANTITY:	472 Sq Yds				
Asphalt Paving (Area Quantity Only)	472	Sq Yds	0	0.0	0	0	0	0
Asphaltic Concrete Base Course	65	Ton	0.11	7.2	35.54	256	0	2,027
Asphaltic Concrete Wearing Course	39	Ton	0.14	5.5	35.54	195	0	1,443
4" Asphaltic Concrete Paving				12.7		451		3,470
Total Subcontract Amount				12.7		0		3,470
Integral Concrete Curb			QUANTITY:	2,630 Lin Ft				
Hand Backfill	65	Cu Yds	1	65.0	23.95	1,557	0	1,557
Edge Form	2,893	Lin Ft	0.073	211.2	34.77	7,343	0	8,847
Expansion Joint	69	Lin Ft	0.03	2.1	34.77	73	0	128
Reinforcing Bars	3,009	Lbs	0.009	27.1	42.94	1,164	0	3,120
Concrete	46	Cu Yds	0.5	23.0	23.95	551	0	4,139
Finish	3,728	Sq Ft	0.01	37.3	34.14	1,273	0	1,459
Cure & Protect	3,728	Sq Ft	0.002	7.5	23.95	180	0	329
Caulk & Seal Control Joints	373	Lin Ft	0.015	5.6	23.95	134	0	365
Integral Concrete Curb				378.8		12,275		19,944
Total Subcontract Amount				378.8		0		19,944
7" Concrete Paving			QUANTITY:	45,380 Sq Ft				
Fine Grade - Hand	45,380	Sq Ft	0.01	453.8	23.95	10,869	0	10,869

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
Formwork - Sides	3,040	Sq Ft	0.1	304.0	34.77	10,570	1.75	5,320	0	0	0	15,890
Concrete	1,024	Cu Yds	0.5	512.0	23.95	12,262	78	79,872	0	0	0	92,134
Slab Finishing - Broom	45,380	Sq Ft	0.012	544.6	34.14	18,593	0.02	908	0	0	0	19,501
Cure & Protect	45,380	Sq Ft	0.002	90.8	23.95	2,175	0.04	1,815	0	0	0	3,990
7" Concrete Paving				1,905.2		54,469		87,915	0		0	142,384
Total Subcontract Amount				1,905.2		0		0	0		142,384	142,384
Patch Concrete Paving @ Tie-Ins			QUANTITY:		1,844	Sq Ft						
Fine Grade - Hand	1,844	Sq Ft	0.01	18.4	23.95	441	0	0	0	0	0	441
Formwork - Sides	1,383	Sq Ft	0.1	138.3	34.77	4,809	1.75	2,420	0	0	0	7,229
Rebar Dowels	2,464	Lbs	0.009	22.2	42.94	953	0.5	1,232	0	0	0	2,185
Drill Holes - Rebar	2,464	Each	0.1	246.4	42.94	10,580	0	0	0	0	0	10,580
Concrete	54	Cu Yds	0.5	27.0	23.95	647	78	4,212	0	0	0	4,859
Slab Finishing - Broom	1,844	Sq Ft	0.012	22.1	34.14	754	0.02	37	0	0	0	791
Cure & Protect	1,844	Sq Ft	0.002	3.7	23.95	89	0.04	74	0	0	0	163
Patch Concrete Paving @ Tie-Ins				478.1		18,273		7,975	0		0	26,248
Total Subcontract Amount				478.1		0		0	0		26,248	26,248
SUB-TOTAL				2,781.9		0		0	0		194,544	194,544
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	15,564
SUB-TOTAL				2,781.9		0		0	0		210,108	210,108
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	12,606
*** PARKING/DRIVES ESTIMATED COST ***				2,781.9		0		0	0		222,714	222,714
SIDEWALKS												
Concrete Stair on Grade			QUANTITY:		322	Sq Ft						
Fine Grade - Hand	322	Sq Ft	0.01	3.2	23.95	77	0	0	0	0	0	77
Formwork - Sides	243	Sq Ft	0.1	24.3	34.77	845	1.75	425	0	0	0	1,270
Formwork - Stair Risers	209	Lin Ft	0.55	115.0	34.77	3,999	3.75	784	0	0	0	4,783

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
Reinforcing Bars	725	Lbs	0.009	6.5	42.94	279	0.65	471	0	0	0	0	750
Concrete	13	Cu Yds	0.5	6.5	23.95	156	78	1,014	0	0	0	0	1,170
Finish	531	Sq Ft	0.01	5.3	34.14	181	0.05	27	0	0	0	0	208
Cure & Protect	531	Sq Ft	0.002	1.1	23.95	26	0.04	21	0	0	0	0	47
Stair Railings	165	Lin Ft	0.15	24.8	42.94	1,065	20	3,300	0	0	0	0	4,365
Concrete Stair on Grade				186.7		6,628		6,042		0		0	12,670
Total Subcontract Amount				186.7		0		0		0		12,670	12,670
Concrete Sidewalks					QUANTITY: 17,300 Sq Ft								
Fine Grade - Hand	17,300	Sq Ft	0.01	173.0	23.95	4,143	0	0	0	0	0	0	4,143
Formwork - Sides	1,197	Sq Ft	0.1	119.7	34.77	4,162	1.75	2,095	0	0	0	0	6,257
Expansion Joint	865	Lin Ft	0.03	26.0	34.77	904	0.8	692	0	0	0	0	1,596
Concrete	229	Cu Yds	0.5	114.5	23.95	2,742	78	17,862	0	0	0	0	20,604
Finish	17,300	Sq Ft	0.01	173.0	34.14	5,906	0.05	865	0	0	0	0	6,771
Cure & Protect	17,300	Sq Ft	0.002	34.6	23.95	829	0.04	692	0	0	0	0	1,521
Concrete Sidewalks				640.8		18,686		22,206		0		0	40,892
Total Subcontract Amount				640.8		0		0		0		40,892	40,892
SUB-TOTAL				827.5		0		0		0		53,562	53,562
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	4,285	4,285
SUB-TOTAL				827.5		0		0		0		57,847	57,847
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	3,471	3,471
*** SIDEWALKS ESTIMATED COST ***				827.5		0		0		0		61,318	61,318

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SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
SITE MECHANICAL UTILITIES SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 11

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
DOMESTIC WATER/FIRE PROTECTION SUPPLY	82.8	0	0	0	9,785	9,785
SANITARY WASTE SYSTEM	260.0	0	0	0	20,947	20,947
STORM DRAIANGE SYSTEM	718.0	0	0	0	59,758	59,758
*** SITE MECHANICAL UTILITIES ESTIMATED COST ***	1,060.8	0	0	0	90,490	90,490

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
DOMESTIC WATER/FIRE PROTECTION SUPPLY								
Utility Trench Excavation			QUANTITY:	65 Cu Yds				
Excavation Material Quantity	65	Cu Yds	0	0.0	0	0	0	0
Stockpile Material Quantity	65	Cu Yds	0	0.0	0	0	0	0
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	2	Hours	1	2.0	35.54	71	50	100
Laborer Assistance	2	Hours	1	2.0	23.95	48	0	0
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	10	8.00 %	8
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	8	6.00 %	6
Utility Trench Excavation				4.0		137		114
Total Subcontract Amount				4.0		0		35
Utility Trench Backfill			QUANTITY:	80 Cu Yds				0
Fill Material Quantity	80	Cu Yds	0	0.0	0	0	0	0
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	4	Hours	1	4.0	35.54	142	50	200
Compactor - Pan Type Vibratory	4	Hours	1	4.0	23.95	96	0	0
4 Horespower Gasoline 21" x 24" Laborer Assistance	4	Hours	1	4.0	23.95	96	0	0
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	27	8.00 %	16
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	22	6.00 %	13
Utility Trench Backfill				12.0		383		229
Total Subcontract Amount				12.0		0		73
Domestic Water Supply - 6" Main			QUANTITY:	200 Lin Ft				0
6" Ductile Iron Pipe - Cement Lined	200	Lin Ft	0.21	42.0	54.09	2,272	9.1	1,820
Standard Weight Mechanical Joint Cement Lined	1	Each	2.38	2.4	54.09	130	470.72	471
6" Ductile Iron Pipe Cement Lined	1	Each	2	2.0	54.09	108	44.25	44
5'-0" Long Class 53 Flange x Plain End	1	Each	2.43	2.4	54.09	130	28.422	28
6" 90 Degree Ell - 125# Cast Iron Mechanical Joint w/Gaskets Cement Lined	1	Each	16	16.0	54.09	865	1,500	1,500
6" 45 Degree Ell 125# Cast Iron Mechanical Joint w/Gaskets Cement Lined	1	Each	2	2.0	54.09	108	100	100
Water Main Tap	1	Each						
Thrust Block	1	Each						
Domestic Water Supply - 6" Main				66.8		3,613		3,963

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Total Subcontract Amount				66.8		0		0		0		7,576	7,576
SUB-TOTAL				82.8		0		0		0		8,547	8,547
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	684	684
SUB-TOTAL				82.8		0		0		0		9,231	9,231
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	554	554
*** DOMESTIC WATER/FIRE PROTECTION SUPPLY ESTIMATED COST ***				82.8		0		0		0		9,785	9,785
SANITARY WASTE SYSTEM													
Utility Trench Excavation			QUANTITY:	196 Cu Yds									
Excavation Material Quantity	196	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Stockpile Material Quantity	196	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	5	Hours	1	5.0	35.54	178	50	250	15.35	77	0	0	505
Laborer Assistance	5	Hours	1	5.0	23.95	120	0	0	0	0	0	0	120
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	24	8.00 %	20	8.00 %	6	8.00 %	0	50
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	19	6.00 %	16	6.00 %	5	6.00 %	0	40
Utility Trench Excavation				10.0		341		286		88		0	715
Total Subcontract Amount				10.0		0		0		0		715	715
Utility Trench Backfill			QUANTITY:	240 Cu Yds									
Fill Material Quantity	240	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	12	Hours	1	12.0	35.54	426	50	600	15.35	184	0	0	1,210
Compactor - Pan Type Vibratory 4 Horespower Gasoline 21" x 24"	12	Hours	1	12.0	23.95	287	0	0	0.67	8	0	0	295
Laborer Assistance	12	Hours	1	12.0	23.95	287	0	0	0	0	0	0	287
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	80	8.00 %	48	8.00 %	15	8.00 %	0	143
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	65	6.00 %	39	6.00 %	12	6.00 %	0	116
Utility Trench Backfill				36.0		1,145		687		219		0	2,051
Total Subcontract Amount				36.0		0		0		0		2,051	2,051



DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	400	8.00 %	240	8.00 %	77	8.00 %	0	717
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	324	6.00 %	194	6.00 %	62	6.00 %	0	580
				180.0		5,730		3,434		1,100		0	10,264
Subcontractor Profit				180.0		0		0		0		10,264	10,264
Total Subcontract Amount				180.0		0		0		0		10,264	10,264
Storm Drainage - 10" Main 10" PVC DWV Pipe Schedule 80 Plain End Area Drain	600	Lin Ft	QUANTITY: 0.5	300.0	600 Lin Ft 54.09	16,227	9	5,400	0	0	0	0	21,627
Area Drain	6	Each	4	24.0	54.09	1,298	450	2,700	0	0	0	0	3,998
Curb Inlet	4	Each	16	64.0	54.09	3,462	200	800	0	0	0	0	4,262
Manhole	4	Each	24	96.0	54.09	5,193	750	3,000	0	0	0	0	8,193
Storm Drainage Main Tap	1	Each	6	6.0	54.09	325	100	100	0	0	0	0	425
				490.0		26,505		12,000		0		0	38,505
Storm Drainage - 10" Main				490.0		0		0		0		38,505	38,505
Total Subcontract Amount				490.0		0		0		0		38,505	38,505
SUB-TOTAL				718.0		0		0		0		52,199	52,199
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	4,176	4,176
SUB-TOTAL				718.0		0		0		0		56,375	56,375
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	3,383	3,383
*** STORM DRAIANGE SYSTEM ESTIMATED COST ***				718.0		0		0		0		59,758	59,758

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
ELECTRICAL SITE UTILITIES SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 16

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
MEDIUM VOLTAGE DISTRIBUTION	23.8	0	0	0	4,780	4,780
600 VOLT DISTRIBUTION SYSTEM	37.8	0	0	0	5,799	5,799
SITE LIGHTING	284.2	0	0	0	36,096	36,096
TELEPHONE - MEDIA SERVICE ENTRANCE	45.5	0	0	0	3,677	3,677
*** ELECTRICAL SITE UTILITIES ESTIMATED COST ***	391.3	0	0	0	50,352	50,352

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
<b>MEDIUM VOLTAGE DISTRIBUTION</b>													
OPPD Transformer Pad & Service Conduit			QUANTITY:		1 Each								
4" Poly Vinyl Chloride Conduit Schedule 40 Under Slab	150	Lin Ft	0.0685	10.3	49.21	507	1.44	216	0	0	0	0	723
4" PVC 90 Degree x 36" Elbow Schedule 40	1	Each	1.5	1.5	49.21	74	26.66	27	0	0	0	0	101
6" Wide x 48" Deep Ditch Witch Trench	150	Lin Ft	0.08	12.0	49.21	591	0	0	2	300	0	0	891
8' x 8' Concrete Pad w/Footings for Exterior Pad Mounted Transformer	1	Each	0	0.0	0	0	1,060	1,060	0	0	0	0	1,060
Concrete Filled Pipe Bollard	7	Each	0	0.0	0	0	200	1,400	0	0	0	0	1,400
				23.8		1,172		2,703		300		0	4,175
OPPD Transformer Pad & Service Conduit				23.8		0		0		0		4,175	4,175
Total Subcontract Amount				23.8		0		0		0		4,175	4,175
				23.8		0		0		0		4,175	4,175
SUB-TOTAL				23.8		0		0		0		4,175	4,175
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	334	334
				23.8		0		0		0		4,509	4,509
SUB-TOTAL				23.8		0		0		0		4,509	4,509
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	271	271
				23.8		0		0		0		4,780	4,780
*** MEDIUM VOLTAGE DISTRIBUTION ESTIMATED COST ***				23.8		0		0		0		4,780	4,780
<b>600 VOLT DISTRIBUTION SYSTEM</b>													
1200 Amp Service Entrance - Underground			QUANTITY:		15 Lin Ft								
3-1/2" Poly Vinyl Chloride Conduit Schedule 40 Under Slab	60	Lin Ft	0.0655	3.9	49.21	192	1.32	79	0	0	0	0	271
3-1/2" PVC Coupling Schedule 40	16	Each	0	0.0	0	0	3.59	57	0	0	0	0	57
3-1/2" PVC Bell End Schedule 40-80	8	Each	0.35	2.8	49.21	138	4.86	39	0	0	0	0	177
3-1/2" PVC 90 Degree x 36" Elbow Schedule 40	8	Each	1.25	10.0	49.21	492	15.97	128	0	0	0	0	620
#500MCM THHN Stranded Copper Wire	480	Lin Ft	0.044	21.1	49.21	1,038	5.58	2,678	0	0	0	0	3,716
Backhoe Excavation & Backfill Cubic Yard	5	Cu Yds	0	0.0	0	0	0	0	0	0	45	225	225
				37.8		1,860		2,981		0		225	5,066
1200 Amp Service Entrance - Underground				37.8		0		0		0		5,066	5,066
Total Subcontract Amount				37.8		0		0		0		5,066	5,066
				37.8		0		0		0		5,066	5,066
SUB-TOTAL				37.8		0		0		0		5,066	5,066
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	405	405

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
SUB-TOTAL				37.8		0		5,471
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	328
*** 600 VOLT DISTRIBUTION SYSTEM ESTIMATED COST ***				37.8		0		5,799
SITE LIGHTING								
Exterior Lighting Control-277 Volt Ckts			QUANTITY:		1 Each			
1/2" Electrical Metallic Tubing	30	Lin Ft	0.045	1.4	49.21	69	0.2	6
1/2" EMT Set Screw Steel Coupling	3	Each	0	0.0	0	0	0.5994	2
1/2" EMT Set Screw Steel Connector Non Insulated Throat	6	Each	0.08	0.5	49.21	25	0.2141	1
1/2" EMT Conduit Hanger w/Bolt	8	Each	0.25	2.0	49.21	98	0.16	1
#12 THHN Copper Solid Wire	150	Lin Ft	0.006	0.9	49.21	44	0.04	6
Lighting Contactor - Mechanically Held for 277 Volt Lighting Circuits	1	Each	0.75	0.8	49.21	39	350	350
Photo Electric Control	1	Each	0.75	0.8	49.21	39	25	25
Time Clock - Electronic	1	Each	1.75	1.8	49.21	89	275	275
Exterior Lighting Control-277 Volt Ckts				8.2		403		666
Total Subcontract Amount				8.2		0		0
Flag Pole Below Grade Fixture			QUANTITY:		1 Each			
H.I.D. Ground Mounted Flagpole Fixture	1	Each	4.5	4.5	49.21	221	550	550
1" Poly Vinyl Chloride Conduit Schedule 40 Under Slab	100	Lin Ft	0.0375	3.8	49.21	187	0.25	25
1" PVC Coupling Schedule 40	4	Each	0	0.0	0	0	0.459	2
1" PVC 90 Degree x 36" Elbow Schedule 40	2	Each	0.35	0.7	49.21	34	1.35	3
#10 THHN Stranded Copper Wire	130	Lin Ft	0.0075	1.0	49.21	49	0.07	9
#8 THHN Stranded Copper Wire	520	Lin Ft	0.01	5.2	49.21	256	0.21	109
4" Wide x 36" Deep Ditch Witch Trench	100	Lin Ft	0.08	8.0	49.21	394	0	0
Flag Pole Below Grade Fixture				23.2		1,141		698
Total Subcontract Amount				23.2		0		0
Single Head Parking Lot Fixture			QUANTITY:		7 Each			
Single Head Parking Lot Fixture 400 Watt Metal Halide on 30' Pole	7	Each	7	49.0	49.21	2,411	1,200	8,400

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
1" Poly Vinyl Chloride Conduit Schedule 40 Under Slab	1,050	Lin Ft	0.0375	39.4	49.21	1,939	0.25	263	0	0	0	2,202
1" PVC Coupling Schedule 40	28	Each	0	0.0	0	0	0.459	13	0	0	0	13
1" PVC 90 Degree x 36" Elbow Schedule 40	14	Each	0.35	4.9	49.21	241	1.35	19	0	0	0	260
#12 THHN Stranded Copper Wire	840	Lin Ft	0.006	5.0	49.21	246	0.08	67	0	0	0	313
#10 THHN Stranded Copper Wire	1,190	Lin Ft	0.0075	8.9	49.21	438	0.07	83	0	0	0	521
#8 THHN Stranded Copper Wire	4,760	Lin Ft	0.01	47.6	49.21	2,342	0.21	1,000	0	0	0	3,342
4" Wide x 36" Deep Ditch Witch Trench	1,050	Lin Ft	0.08	84.0	49.21	4,134	0	0	1.25	1,313	0	5,447
Concrete Pole Base	7	Each	2	14.0	49.21	689	700	4,900	0	0	0	5,589
Single Head Parking Lot Fixture				252.8		12,440		14,745		1,313	0	28,498
Total Subcontract Amount				252.8		0		0		0	28,498	28,498
SUB-TOTAL				284.2		0		0		0	31,531	31,531
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	2,522
SUB-TOTAL				284.2		0		0		0	34,053	34,053
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	2,043
*** SITE LIGHTING ESTIMATED COST ***				284.2		0		0		0	36,096	36,096
TELEPHONE - MEDIA SERVICE ENTRANCE												
CATV Service Entrance			QUANTITY:		150 Lin Ft							
2-1/2" Poly Vinyl Chloride Conduit Schedule 40 Under Slab	150	Lin Ft	0.059	8.9	49.21	438	0.86	129	0	0	0	567
2-1/2" PVC 90 Degree x 36" Elbow Schedule 40	1	Each	0.8	0.8	49.21	39	0	0	0	0	0	39
6" Wide x 48" Deep Ditch Witch Trench	150	Lin Ft	0.08	12.0	49.21	591	0	0	2	300	0	891
CATV Service Entrance				21.7		1,068		129		300	0	1,497
Total Subcontract Amount				21.7		0		0		0	1,497	1,497
Telephone Service Entrance			QUANTITY:		150 Lin Ft							
4" Poly Vinyl Chloride Conduit Schedule 40 Under Slab	150	Lin Ft	0.0685	10.3	49.21	507	1.44	216	0	0	0	723
4" PVC 90 Degree x 36" Elbow Schedule 40	1	Each	1.5	1.5	49.21	74	26.66	27	0	0	0	101
6" Wide x 48" Deep Ditch Witch Trench	150	Lin Ft	0.08	12.0	49.21	591	0	0	2	300	0	891
Telephone Service Entrance				23.8		1,172		243		300	0	1,715

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 20

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Total Subcontract Amount				23.8		0		0		0		1,715	1,715
SUB-TOTAL				45.5		0		0		0		3,212	3,212
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	257	257
SUB-TOTAL				45.5		0		0		0		3,469	3,469
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	208	208
*** TELEPHONE - MEDIA SERVICE ENTRANCE ESTIMATED COST ***				45.5		0		0		0		3,677	3,677

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
SITE IMPROVEMENTS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 21

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
IRRIGATION SYSTEMS	0.0	0	0	0	9,616	9,616
FENCES AND GATES	1.0	0	0	0	5,894	5,894
APPURTENANCES AND EQUIPMENT	393.2	5,299	34,450	0	18,204	57,953
RETAINING WALLS	826.1	0	0	0	76,010	76,010
*** SITE IMPROVEMENTS ESTIMATED COST ***	1,220.3	5,299	34,450	0	109,724	149,473

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
<b>IRRIGATION SYSTEMS</b>													
Lawn Irrigation System Underground Lawn Sprinkler System	16,800	Sq Ft	QUANTITY: 0	16,800 Sq Ft 0.0	0	0	0	0	0	0	0.5	8,400	8,400
Lawn Irrigation System				0.0	0	0	0	0	0	0		8,400	8,400
Total Subcontract Amount				0.0	0	0	0	0	0	0		8,400	8,400
SUB-TOTAL				0.0	0	0	0	0	0	0		8,400	8,400
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	672	672
SUB-TOTAL				0.0	0	0	0	0	0	0		9,072	9,072
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	544	544
*** IRRIGATION SYSTEMS ESTIMATED COST ***				0.0	0	0	0	0	0	0		9,616	9,616
<b>FENCES AND GATES</b>													
Ornamental Fence - 6'	66	Lin Ft	0	0.0	0	0	0	0	0	0	28	1,848	1,848
Ornamental Gate - 6' x 6'	1	Each	1	1.0	0	0	0	0	0	0	450	450	450
Chain Link Fence - 6' PVC	190	Lin Ft	0	0.0	0	0	0	0	0	0	15	2,850	2,850
SUB-TOTAL				1.0	0	0	0	0	0	0		5,148	5,148
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	412	412
SUB-TOTAL				1.0	0	0	0	0	0	0		5,560	5,560
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	334	334
*** FENCES AND GATES ESTIMATED COST ***				1.0	0	0	0	0	0	0		5,894	5,894
<b>APPURTENANCES AND EQUIPMENT</b>													
Handicap Sign & Post	4	Each	1.5	6.0	34.77	209	75	300	0	0	0	0	509
12" x 18" Directional Sign & Post	8	Each	1.5	12.0	34.77	417	60	480	0	0	0	0	897
30" x 30" Directional Sign & Post	2	Each	1.5	3.0	34.77	104	100	200	0	0	0	0	304
Concrete Benches	6	Each	8	48.0	34.77	1,669	800	4,800	0	0	0	0	6,469
Playground Border - RR Ties	140	Lin Ft	0.05	7.0	34.77	243	2	280	0	0	0	0	523
Pea Gravel Playground	70	Tons	0.1	7.0	23.95	168	8	560	0	0	0	0	728

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Block Wall - 8" CMU Std Weight, Grouted			QUANTITY:		401 Sq Ft								
Square Foot of Surface Area (Information Only)	401	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
8" CMU Bond Beam 8" x 8" x 16" Standard Weight	99	Each	0.064	6.3	44.39	280	1.85	183	0	0	0	0	463
8" CMU Standard 8" x 8" x 16" Standard Weight	473	Each	0.072	34.1	44.39	1,514	1.35	639	0	0	0	0	2,153
Mortar - CMU	38	Cu Ft	N/A	0.0	0	0	3.65	139	0	0	0	0	139
Grout Bond Beams	20	Cu Ft	0.04	0.8	44.39	36	3.19	64	0	0	0	0	100
Grout Concrete Block Cores	63	Cu Ft	0.04	2.5	44.39	111	3.19	201	0.3	19	0	0	331
Wide Flange Control Joint	14	Lin Ft	0.017	0.2	44.39	9	0.7	10	0	0	0	0	19
8" Dur-O-Wall Galvanized Truss	361	Lin Ft	0.003	1.1	44.39	49	0.15	54	0	0	0	0	103
Steel Reinforcing - Horizontal	286	Lbs	0.004	1.1	44.39	49	0.5	143	0	0	0	0	192
Steel Reinforcing - Vertical	234	Lbs	0.005	1.2	44.39	53	0.55	129	0	0	0	0	182
Clean Masonry	841	Sq Ft	0.005	4.2	44.39	186	0.06	50	0	0	0	0	236
Masonry Water Repellant - 2 Coats	421	Sq Ft	0.004	1.7	44.39	75	0.4	168	0	0	0	0	243
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	189	8.00 %	142	8.00 %	2	8.00 %	0	333
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	153	6.00 %	115	6.00 %	1	6.00 %	0	269
Block Wall - 8" CMU Std Weight, Grouted				53.2		2,704		2,037		22		0	4,763
Total Subcontract Amount				53.2		0		0		0		4,763	4,763
6" Pipe Bollard - Concrete Backfill			QUANTITY:		2 Each								
Hand Excavate	1	Cu Yds	1	1.0	23.95	24	0	0	0	0	0	0	24
Concrete - Standard Weight 3000 psi (Type I) Regular Portland Cement	1	Cu Yds	0	0.0	0	0	73	73	0	0	0	0	73
6" A-53 Carbon Steel Pipe Plain End - Welded Schedule 40/Standard Weight	14	Lin Ft	0.44	6.2	54.09	335	16,36	22,904	0	0	0	0	23,239
6" Pipe Bollard - Concrete Backfill				7.2		359		22,977		0		0	23,336
Modular Brick Veneer - Common Bond			QUANTITY:		864 Sq Ft								
Face Brick - Modular	6,124	Each	0.025	153.1	44.39	6,796	0.4	2,450	0	0	0	0	9,246
7-5/8" x 2-1/4" x 3-5/8" Mortar - Brick	110	Cu Ft	N/A	0.0	0	0	3.4	374	0	0	0	0	374
Regular Flange Control Joint	30	Lin Ft	0.013	0.4	44.39	18	0.7	21	0	0	0	0	39
22 Gauge Wall Ties	324	Each	0.032	10.4	44.39	462	0.55	178	0	0	0	0	640

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
Clean Masonry	907	Sq Ft	0.005	4.5	44.39	200	0.06	54	0	0	0	0	254
Masonry Water Repellant - 2 Coats	907	Sq Ft	0.004	3.6	44.39	160	0.4	363	0	0	0	0	523
Masonry Thruwall Flashing 30 Mil	162	Lin Ft	0.04	6.5	44.39	289	0.78	126	0	0	0	0	415
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	634	8.00 %	285	8.00 %	0	8.00 %	0	919
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	514	6.00 %	231	6.00 %	0	6.00 %	0	745
Modular Brick Veneer - Common Bond				178.5		9,073		4,082		0		0	13,155
Total Subcontract Amount				178.5		0		0		0		13,155	13,155
Concrete Column - Rectangular	119	Sq Ft	QUANTITY: 0.2	23.8	5 Cu Yds 34.77	828	1.75	208	0	0	0	0	1,036
Column Forms - Rectangular													
Formwork - 1" Chamfer Strip	59	Lin Ft	0.02	1.2	34.77	42	0.55	32	0	0	0	0	74
Reinforcing Bars	622	Lbs	0.009	5.6	42.94	240	0.65	404	0	0	0	0	644
Concrete - Standard Weight 4000 psi (Type I) Regular Portland Cement-Colored Finish	5	Cu Yds	0.5	2.5	23.95	60	85	425	0	0	0	0	485
	119	Sq Ft	0.01	1.2	34.14	41	0.05	6	0	0	0	0	47
Concrete Column - Rectangular				34.3		1,211		1,075		0		0	2,286
Continuous Footing Excavation	41	Cu Yds	QUANTITY: 0	0.0	41 Cu Yds 0	0	0	0	0	0	0	0	0
Excavation Material Quantity													
Stockpile Material Quantity	41	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	2	Hours	1	2.0	35.54	71	50	100	15.35	31	0	0	202
Laborer Assistance	2	Hours	1	2.0	23.95	48	0	0	0	0	0	0	48
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	10	8.00 %	8	8.00 %	2	8.00 %	0	20
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	8	6.00 %	6	6.00 %	2	6.00 %	0	16
Continuous Footing Excavation				4.0		137		114		35		0	286
Total Subcontract Amount				4.0		0		0		0		286	286
Continuous Footing - Unformed	250	Sq Ft	QUANTITY: 0.01	2.5	43 Cu Yds 23.95	60	0	0	0	0	0	0	60
Fine Grade - Hand													
Foam Keyway	125	Lin Ft	0.01	1.3	34.77	45	0.5	63	0	0	0	0	108

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Reinforcing Bars	520	Lbs	0.009	4.7	42.94	202	0.65	338	0	0	0	0	540
Concrete	43	Cu Yds	0.5	21.5	23.95	515	78	3,354	0	0	0	0	3,869
Finish	250	Sq Ft	0.01	2.5	34.14	85	0.05	13	0	0	0	0	98
Cure & Protect	250	Sq Ft	0.002	0.5	23.95	12	0.04	10	0	0	0	0	22
Continuous Footing - Unformed				33.0		919		3,778		0		0	4,697
*** APPURTENANCES AND EQUIPMENT ESTIMATED COST ***				393.2		5,299		34,450		0		18,204	57,953
<b>RETAINING WALLS</b>													
Keystone Wall, Standard Size Units				QUANTITY:	4,550	Sq Ft							
Excavate for Retaining Wall Block Retaining Wall	253	Cu Yds	0.16	40.5	23.95	970	0	0	15.2	3,846	0	0	4,816
Backfill Block Retaining Wall Granular Material	253	Cu Yds	0.16	40.5	23.95	970	15.6	3,947	9.1	2,302	0	0	7,219
Keystone Block, Standard (for Retaining Wall)	4,550	Each	0.16	728.0	23.95	17,436	7.65	34,808	0	0	0	0	52,244
Geogrid, Type 2, Tensor Soil Reinforcement	1,138	Sq Ft	0.015	17.1	23.95	410	1.5	1,707	0	0	0	0	2,117
Keystone Wall, Standard Size Units				826.1		19,786		40,462		6,148		0	66,396
Total Subcontract Amount				826.1		0		0		0		66,396	66,396
SUB-TOTAL				826.1		0		0		0		66,396	66,396
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	5,312	5,312
SUB-TOTAL				826.1		0		0		0		71,708	71,708
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	4,302	4,302
*** RETAINING WALLS ESTIMATED COST ***				826.1		0		0		0		76,010	76,010

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
LANDSCAPING SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 26

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
LAWNS AND GRASSES	53.7	0	0	0	12,434	12,434
TREES AND SHRUBS	0.0	0	0	0	22,896	22,896
*** LANDSCAPING ESTIMATED COST ***	53.7	0	0	0	35,330	35,330

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
LAWNS AND GRASSES													
Seeding				QUANTITY:	46,100 Sq Ft								
Fertilizer for New Sod or Seeding	820	Lbs	0.001	0.8	23.95	19	0.3	246	0	0	0	0	265
Preemergent Herbicide for Sod or Seeding	256	Lbs	0.001	0.3	23.95	7	0.1	26	0	0	0	0	33
Hay/Straw Mulch for New Seeding	2	Ton	0.5	1.0	23.95	24	0	0	0	0	0	0	24
Preparation of Sod/Seed Bed	5,122	Sq Yd	0.01	51.2	23.95	1,226	0	0	0.11	563	0	0	1,789
Fertilize & Seed	46,100	Sq Ft	0	0.0	0	0	0	0	0	0	0.1	4,610	4,610
Seeding				53.3		1,276		272		563		4,610	6,721
Total Subcontract Amount				53.3		0		0		0		6,721	6,721
Sodding				QUANTITY:	16,800 Sq Ft								
Fertilizer for New Sod or Seeding	299	Lbs	0.001	0.3	23.95	7	0.3	90	0	0	0	0	97
Preemergent Herbicide for Sod or Seeding	93	Lbs	0.001	0.1	23.95	2	0.1	9	0	0	0	0	11
Fertilize & Sod	16,800	Sq Ft	0	0.0	0	0	0	0	0	0	0.24	4,032	4,032
Sodding				0.4		9		99		0		4,032	4,140
Total Subcontract Amount				0.4		0		0		0		4,140	4,140
SUB-TOTAL				53.7		0		0		0		10,861	10,861
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	869	869
SUB-TOTAL				53.7		0		0		0		11,730	11,730
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	704	704
*** LAWNS AND GRASSES ESTIMATED COST ***				53.7		0		0		0		12,434	12,434
TREES AND SHRUBS													
Trees and Shrubs Allowance	1	Each	0	0.0	0	0	0	0	0	0	20,000	20,000	20,000
SUB-TOTAL				0.0		0		0		0		20,000	20,000
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	1,600	1,600
SUB-TOTAL				0.0		0		0		0		21,600	21,600

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 28

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	1,296	1,296
*** TREES AND SHRUBS ESTIMATED COST ***				0.0		0		0				22,896	22,896

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
CONCRETE SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 29

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
FOOTINGS AND GRADE BEAMS	4,177.9	81,095	123,011	0	79,810	283,916
STRUCTURAL STOOPS	105.8	3,335	3,938	10	0	7,283
SLABS ON GRADE	2,113.5	61,154	63,791	0	0	124,945
ELEVATED SLABS	1,116.4	36,801	55,560	0	0	92,361
STAIRS AND LANDINGS	120.9	4,144	2,030	0	0	6,174
EQUIPMENT PADS	145.3	5,020	4,230	0	0	9,250
TOPPINGS	18.0	568	677	0	0	1,245
POURED WALLS	3,239.7	108,281	113,032	0	0	221,313
*** CONCRETE ESTIMATED COST ***	11,037.5	300,398	366,269	10	79,810	746,487

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
<b>FOOTINGS AND GRADE BEAMS</b>													
Continuous Footing Excavation			QUANTITY:	1,041	Cu Yds								
Excavation Material Quantity	1,041	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Stockpile Material Quantity	1,041	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	42	Hours	1	42.0	35.54	1,493	50	2,100	15.35	645	0	0	4,238
Laborer Assistance	42	Hours	1	42.0	23.95	1,006	0	0	0	0	0	0	1,006
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	200	8.00 %	168	8.00 %	52	8.00 %	0	420
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	162	6.00 %	136	6.00 %	42	6.00 %	0	340
				84.0		2,861		2,404		739		0	6,004
Continuous Footing Excavation Total Subcontract Amount				84.0		0		0		0		6,004	6,004
Pad Footing Excavation			QUANTITY:	128	Cu Yds								
Excavation Material Quantity	128	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Stockpile Material Quantity	128	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	9	Hours	1	9.0	35.54	320	50	450	15.35	138	0	0	908
Laborer Assistance	9	Hours	1	9.0	23.95	216	0	0	0	0	0	0	216
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	43	8.00 %	36	8.00 %	11	8.00 %	0	90
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	35	6.00 %	29	6.00 %	9	6.00 %	0	73
				18.0		614		515		158		0	1,287
Pad Footing Excavation Total Subcontract Amount				18.0		0		0		0		1,287	1,287
Continuous Footing Backfill			QUANTITY:	5,801	Cu Yds								
Fill Material Quantity	6,497	Cu Yds	0	0.0	0	0	0	0	0	0	0	0	0
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	325	Hours	1	325.0	35.54	11,551	50	16,250	15.35	4,989	0	0	32,790
Compactor - Pan Type Vibratory 4 Horespower Gasoline 21" x 24"	623	Hours	1	623.0	23.95	14,921	0	0	0.67	417	0	0	15,338
Laborer Assistance	623	Hours	1	623.0	23.95	14,921	0	0	0	0	0	0	14,921
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	3,311	8.00 %	1,300	8.00 %	432	8.00 %	0	5,043
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	2,682	6.00 %	1,053	6.00 %	350	6.00 %	0	4,085
				1,571.0		47,386		18,603		6,188		0	72,177
Continuous Footing Backfill Total Subcontract Amount				1,571.0		0		0		0		72,177	72,177

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
Pad Footing Backfill Fill Material Quantity	30	Cu Yds	0	0.0	0	0	0	0
			QUANTITY:		30 Cu Yds			
Loader/Backhoe - 1 CY with 24" Bucket Case 580D CK or Equivalent	2	Hours	1	2.0	35.54	71	50	100
Compactor - Pan Type Vibratory 4 Horespower Gasoline 21" x 24"	2	Hours	1	2.0	23.95	48	0	0
Laborer Assistance	2	Hours	1	2.0	23.95	48	0	0
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	13	8.00 %	8
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	11	6.00 %	6
Pad Footing Backfill Total Subcontract Amount				6.0		191		114
				6.0		0		0
Continuous Footing - Formed Fine Grade - Hand	14,932	Sq Ft	0.01	149.3	23.95	3,576	0	0
			QUANTITY:		975 Cu Yds			
Formwork - Sides	11,775	Sq Ft	0.1	1,177.5	34.77	40,942	1.75	20,606
2" x 4" Foam Keyway	2,712	Lin Ft	0.02	54.2	34.77	1,885	0.173	469
Reinforcing Bars	11,282	Lbs	0.009	101.5	42.94	4,358	0.65	7,333
Concrete	975	Cu Yds	0.5	487.5	23.95	11,676	78	76,050
Finish	12,220	Sq Ft	0.01	122.2	34.14	4,172	0.05	611
Cure & Protect	12,220	Sq Ft	0.002	24.4	23.95	584	0.04	489
Continuous Footing - Formed				2,116.6		67,193		105,558
Pad Footing - Formed Fine Grade - Hand	1,834	Sq Ft	0.01	18.3	23.95	438	0	0
			QUANTITY:		122 Cu Yds			
Formwork - Sides	952	Sq Ft	0.1	95.2	34.77	3,310	1.75	1,666
Reinforcing Bars	5,086	Lbs	0.009	45.8	42.94	1,967	0.65	3,306
Anchor Bolts	280	Each	0.5	140.0	42.94	6,012	10	2,800
Concrete	122	Cu Yds	0.5	61.0	23.95	1,461	78	9,516
Finish	1,834	Sq Ft	0.01	18.3	34.14	625	0.05	92
Cure & Protect	1,834	Sq Ft	0.002	3.7	23.95	89	0.04	73
Pad Footing - Formed				382.3		13,902		17,453

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
*** FOOTINGS AND GRADE BEAMS ESTIMATED COST ***				4,177.9	81,095	123,011	0	79,810	283,916				
STRUCTURAL STOOPS													
Structural Stoop w/Grade Beam			QUANTITY:	328 Sq Ft									
Composite Floor Deck	344	Sq Ft	0.015	5.2	42.94	223	0.95	327	0.03	10	0	0	560
Excavate	30	Cu Yds	0.5	15.0	23.95	359	0	0	0	0	0	0	359
Hand Backfill	15	Cu Yds	1	15.0	23.95	359	0	0	0	0	0	0	359
Edge Form	508	Lin Ft	0.073	37.1	34.77	1,290	0.52	264	0	0	0	0	1,554
Reinforcing Bars	1,517	Lbs	0.009	13.7	42.94	588	0.65	986	0	0	0	0	1,574
Concrete	30	Cu Yds	0.5	15.0	23.95	359	78	2,340	0	0	0	0	2,699
Slab Finishing - Broom	344	Sq Ft	0.012	4.1	34.14	140	0.02	7	0	0	0	0	147
Cure & Protect	344	Sq Ft	0.002	0.7	23.95	17	0.04	14	0	0	0	0	31
Structural Stoop w/Grade Beam				105.8	3,335	3,938			10		0		7,283
*** STRUCTURAL STOOPS ESTIMATED COST ***				105.8	3,335	3,938			10		0		7,283
SLABS ON GRADE													
Concrete Slab on Grade (Mesh)			QUANTITY:	40,810 Sq Ft									
Granular Fill Material	524	Cu Yds	0.8	419.2	23.95	10,040	12.6	6,602	0	0	0	0	16,642
Fine Grade - Hand	40,810	Sq Ft	0.01	408.1	23.95	9,774	0	0	0	0	0	0	9,774
Vapor Barrier	44,891	Sq Ft	0.003	134.7	23.95	3,226	0.05	2,245	0	0	0	0	5,471
Formwork - Sides	975	Sq Ft	0.1	97.5	34.77	3,390	1.75	1,706	0	0	0	0	5,096
Welded Wire Fabric	44,891	Sq Ft	0.006	269.3	42.94	11,564	0.16	7,183	0	0	0	0	18,747
Concrete	541	Cu Yds	0.5	270.5	23.95	6,478	78	42,198	0	0	0	0	48,676
Finish	42,851	Sq Ft	0.01	428.5	34.14	14,629	0.05	2,143	0	0	0	0	16,772
Cure & Protect	42,851	Sq Ft	0.002	85.7	23.95	2,053	0.04	1,714	0	0	0	0	3,767
Concrete Slab on Grade (Mesh)				2,113.5	61,154	63,791			0		0		124,945
*** SLABS ON GRADE ESTIMATED COST ***				2,113.5	61,154	63,791			0		0		124,945

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
<b>ELEVATED SLABS</b>												
Concrete Slab on Metal Deck			QUANTITY:	41,040	Sq Ft							
Formwork - Sides	489	Sq Ft	0.1	48.9	34.77	1,700	1.75	856	0	0	0	2,556
Welded Wire Fabric	45,144	Sq Ft	0.006	270.9	42.94	11,632	0.16	7,223	0	0	0	18,855
Concrete	559	Cu Yds	0.5	279.5	23.95	6,694	78	43,602	0	0	0	50,296
Finish	43,092	Sq Ft	0.01	430.9	34.14	14,711	0.05	2,155	0	0	0	16,866
Cure & Protect	43,092	Sq Ft	0.002	86.2	23.95	2,064	0.04	1,724	0	0	0	3,788
				1,116.4		36,801		55,560		0		92,361
*** ELEVATED SLABS ESTIMATED COST ***				1,116.4		36,801		55,560		0		92,361
<b>STAIRS AND LANDINGS</b>												
Concrete Stair on Grade			QUANTITY:	268	Sq Ft							
Fine Grade - Hand	268	Sq Ft	0.01	2.7	23.95	65	0	0	0	0	0	65
Formwork - Sides	181	Sq Ft	0.1	18.1	34.77	629	1.75	317	0	0	0	946
Formwork - Stair Risers	156	Lin Ft	0.55	85.8	34.77	2,983	3.75	585	0	0	0	3,568
Reinforcing Bars	477	Lbs	0.009	4.3	42.94	185	0.65	310	0	0	0	495
Concrete	10	Cu Yds	0.5	5.0	23.95	120	78	780	0	0	0	900
Finish	424	Sq Ft	0.01	4.2	34.14	143	0.05	21	0	0	0	164
Cure & Protect	424	Sq Ft	0.002	0.8	23.95	19	0.04	17	0	0	0	36
				120.9		4,144		2,030		0		6,174
*** STAIRS AND LANDINGS ESTIMATED COST ***				120.9		4,144		2,030		0		6,174
<b>EQUIPMENT PADS</b>												
Locker Base Pad			QUANTITY:	966	Sq Ft							
Formwork - Sides	563	Sq Ft	0.1	56.3	34.77	1,958	1.75	985	0	0	0	2,943
Formwork - Chamfer Strip	1,656	Lin Ft	0.02	33.1	34.77	1,151	0.25	414	0	0	0	1,565
Reinforcing Bars	973	Lbs	0.009	8.8	42.94	378	0.65	632	0	0	0	1,010
Concrete	12	Cu Yds	0.5	6.0	23.95	144	78	936	0	0	0	1,080
Finish	966	Sq Ft	0.01	9.7	34.14	331	0.05	48	0	0	0	379

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Cure & Protect	966	Sq Ft	0.002	1.9	23.95	46	0.04	39	0	0	0	0	85
Locker Base Pad				115.8		4,008		3,054		0		0	7,062
Housekeeping/Equipment Pad			QUANTITY:		538 Sq Ft								
Formwork - Sides	92	Sq Ft	0.1	9.2	34.77	320	1.75	161	0	0	0	0	481
Formwork - Chamfer Strip	272	Lin Ft	0.02	5.4	34.77	188	0.25	68	0	0	0	0	256
Reinforcing Bars	542	Lbs	0.009	4.9	42.94	210	0.65	352	0	0	0	0	562
Concrete	7	Cu Yds	0.5	3.5	23.95	84	78	546	0	0	0	0	630
Finish	538	Sq Ft	0.01	5.4	34.14	184	0.05	27	0	0	0	0	211
Cure & Protect	538	Sq Ft	0.002	1.1	23.95	26	0.04	22	0	0	0	0	48
Housekeeping/Equipment Pad				29.5		1,012		1,176		0		0	2,188
*** EQUIPMENT PADS ESTIMATED COST ***				145.3		5,020		4,230		0		0	9,250
TOPPINGS													
Concrete - Pan Stairs/Landings			QUANTITY:		1,109 Sq Ft								
Welded Wire Fabric	197	Sq Ft	0.006	1.2	42.94	52	0.16	32	0	0	0	0	84
Concrete	7	Cu Yds	0.5	3.5	23.95	84	78	546	0	0	0	0	630
Finish	1,109	Sq Ft	0.01	11.1	34.14	379	0.05	55	0	0	0	0	434
Cure & Protect	1,109	Sq Ft	0.002	2.2	23.95	53	0.04	44	0	0	0	0	97
Concrete - Pan Stairs/Landings				18.0		568		677		0		0	1,245
*** TOPPINGS ESTIMATED COST ***				18.0		568		677		0		0	1,245
POURED WALLS													
Concrete Foundation Wall			QUANTITY:		9,341 Sq Ft								
Formwork - Sides	18,682	Sq Ft	0.1	1,868.2	34.77	64,957	1.75	32,694	0	0	0	0	97,651
Reinforcing Bars	60,732	Lbs	0.009	546.6	42.94	23,471	0.65	39,476	0	0	0	0	62,947
Concrete	506	Cu Yds	0.5	253.0	23.95	6,059	78	39,468	0	0	0	0	45,527
Finish	950	Sq Ft	0.01	9.5	34.14	324	0.05	48	0	0	0	0	372

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Wall Finishing - Patch & Defin	18,682	Sq Ft	0.03	560.5	23.95	13,424	0.07	1,308	0	0	0	0	14,732
Cure & Protect	950	Sq Ft	0.002	1.9	23.95	46	0.04	38	0	0	0	0	84
Concrete Foundation Wall				3,239.7		108,281		113,032		0		0	221,313
*** POURED WALLS ESTIMATED COST ***				3,239.7		108,281		113,032		0		0	221,313

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
MASONRY SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 36

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
UNIT MASONRY	14,835.0	0	0	0	1,306,336	1,306,336
*** MASONRY ESTIMATED COST ***	14,835.0	0	0	0	1,306,336	1,306,336

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
UNIT MASONRY													
Block Wall - 4" CMU Split Face				QUANTITY:	3,360 Sq Ft								
Square Foot of Surface Area (Information Only)	3,360	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
4" CMU Block 4" x 8" x 16" Standard Weight Split Face 1 Side + 1 Score Mortar - CMU	3,969	Each	0.072	285.8	44.39	12,687	4.56	18,099	0	0	0	0	30,786
Grout Concrete Block Cores	258	Cu Ft	N/A	0.0	0	0	3.65	942	0	0	0	0	942
Regular Flange Control Joint	158	Cu Ft	0.04	6.3	44.39	280	3.19	504	0.3	47	0	0	831
4" Dur-O-Wall Galvanized Truss	118	Lin Ft	0.013	1.5	44.39	67	0.7	83	0	0	0	0	150
Steel Reinforcing - Vertical	3,024	Lin Ft	0.003	9.1	44.39	404	0.12	363	0	0	0	0	767
Clean Masonry	1,963	Lbs	0.005	9.8	44.39	435	0.55	1,080	0	0	0	0	1,515
Acrylic Coating	7,056	Sq Ft	0.005	35.3	44.39	1,567	0.06	423	0	0	0	0	1,990
Masonry Thruwall Flashing 30 Mil	3,528	Sq Ft	0.004	14.1	44.39	626	0.2	706	0	0	0	0	1,332
	662	Lin Ft	0.04	26.5	44.39	1,176	0.78	516	0	0	0	0	1,692
Block Wall - 4" CMU Split Face				388.4		17,242		22,716		47		0	40,005
Total Subcontract Amount				388.4		0		0		0		40,005	40,005
Block Wall - 8" CMU Acoustical Block				QUANTITY:	824 Sq Ft								
Square Foot of Surface Area (Information Only)	824	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
8" CMU Block 8" x 8" x 16" Standard Weight - Acoustical Mortar - CMU	973	Each	0.089	86.6	44.39	3,844	6.75	6,568	0	0	0	0	10,412
Grout Concrete Block Cores	78	Cu Ft	N/A	0.0	0	0	3.65	285	0	0	0	0	285
Wide Flange Control Joint	131	Cu Ft	0.04	5.2	44.39	231	3.19	418	0.3	39	0	0	688
8" Dur-O-Wall Galvanized Truss	29	Lin Ft	0.017	0.5	44.39	22	0.7	20	0	0	0	0	42
Steel Reinforcing - Vertical	742	Lin Ft	0.003	2.2	44.39	98	0.15	111	0	0	0	0	209
Clean Masonry	481	Lbs	0.005	2.4	44.39	107	0.55	265	0	0	0	0	372
Masonry Water Repellant - 2 Coats	1,730	Sq Ft	0.005	8.7	44.39	386	0.06	104	0	0	0	0	490
	824	Sq Ft	0.004	3.3	44.39	146	0.4	330	0	0	0	0	476
Block Wall - 8" CMU Acoustical Block				108.9		4,834		8,101		39		0	12,974
Total Subcontract Amount				108.9		0		0		0		12,974	12,974

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
Block Wall - 8" CMU Std Weight, Grouted			QUANTITY:	41,856	Sq Ft							
Square Foot of Surface Area (Information Only)	41,856	Sq Ft	0	0.0	0	0	0	0	0	0	0	0
8" CMU Bond Beam 8" x 8" x 16" Standard Weight	2,754	Each	0.064	176.3	44.39	7,826	1.85	5,095	0	0	0	12,921
8" CMU Standard 8" x 8" x 16" Standard Weight	49,442	Each	0.072	3,559.8	44.39	158,020	1.35	66,747	0	0	0	224,767
Mortar - CMU	3,955	Cu Ft	N/A	0.0	0	0	3.65	14,436	0	0	0	14,436
Grout Bond Beams	551	Cu Ft	0.04	22.0	44.39	977	3.19	1,758	0	0	0	2,735
Grout Concrete Block Cores	6,633	Cu Ft	0.04	265.3	44.39	11,777	3.19	21,159	0.3	1,990	0	34,926
Wide Flange Control Joint	1,465	Lin Ft	0.017	24.9	44.39	1,105	0.7	1,026	0	0	0	2,131
8" Dur-O-Wall Galvanized Truss	37,670	Lin Ft	0.003	113.0	44.39	5,016	0.15	5,651	0	0	0	10,667
Steel Reinforcing - Horizontal	7,981	Lbs	0.004	31.9	44.39	1,416	0.5	3,991	0	0	0	5,407
Steel Reinforcing - Vertical	32,607	Lbs	0.005	163.0	44.39	7,236	0.55	17,934	0	0	0	25,170
Clean Masonry	87,898	Sq Ft	0.005	439.5	44.39	19,509	0.06	5,274	0	0	0	24,783
Masonry Water Repellant - 2 Coats	43,949	Sq Ft	0.004	175.8	44.39	7,804	0.4	17,580	0	0	0	25,384
Masonry Thruwall Flashing 30 Mil	441	Lin Ft	0.04	17.6	44.39	781	0.78	344	0	0	0	1,125
Block Wall - 8" CMU Std Weight, Grouted				4,989.1		221,467		160,995		1,990	0	384,452
Total Subcontract Amount				4,989.1		0		0		0	384,452	384,452
Block Wall - 8" CMU Burnished 1 Side			QUANTITY:	16,480	Sq Ft							
Square Foot of Surface Area (Information Only)	16,480	Sq Ft	0	0.0	0	0	0	0	0	0	0	0
8" CMU Block 8" x 8" x 16" Standard Weight	19,467	Each	0.089	1,732.6	44.39	76,910	5	97,335	0	0	0	174,245
8" CMU Bond Beam 8" x 8" x 16" Standard Weight	1,626	Each	0.064	104.1	44.39	4,621	1.85	3,008	0	0	0	7,629
Mortar - CMU	1,557	Cu Ft	N/A	0.0	0	0	3.65	5,683	0	0	0	5,683
Grout Bond Beams	325	Cu Ft	0.04	13.0	44.39	577	3.19	1,037	0	0	0	1,614
Grout Concrete Block Cores	2,612	Cu Ft	0.04	104.5	44.39	4,639	3.19	8,332	0.3	784	0	13,755
Wide Flange Control Joint	577	Lin Ft	0.017	9.8	44.39	435	0.7	404	0	0	0	839
8" Dur-O-Wall Galvanized Truss	14,832	Lin Ft	0.003	44.5	44.39	1,975	0.15	2,225	0	0	0	4,200
Steel Reinforcing - Horizontal	4,713	Lbs	0.004	18.9	44.39	839	0.5	2,357	0	0	0	3,196
Steel Reinforcing - Vertical	9,629	Lbs	0.005	48.1	44.39	2,135	0.55	5,296	0	0	0	7,431
Clean Masonry	34,608	Sq Ft	0.005	173.0	44.39	7,679	0.06	2,076	0	0	0	9,755

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Acrylic Coating	17,304	Sq Ft	0.004	69.2	44.39	3,072	0.2	3,461	0	0	0	0	6,533
Block Wall - 8" CMU Burnished 1 Side				2,317.7		102,882		131,214		784		0	234,880
Total Subcontract Amount				2,317.7		0		0		0		234,880	234,880
Block Wall - 12" CMU Acoustical Block			QUANTITY:		1,973	Sq Ft							
Square Foot of Surface Area (Information Only)	1,973	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
Mortar - CMU	210	Cu Ft	N/A	0.0	0	0	3.65	767	0	0	0	0	767
Grout Concrete Block Cores	521	Cu Ft	0.04	20.8	44.39	923	3.19	1,662	0.3	156	0	0	2,741
Wide Flange Control Joint	69	Lin Ft	0.017	1.2	44.39	53	0.7	48	0	0	0	0	101
12" Dur-O-Wall Galvanized Truss	1,776	Lin Ft	0.004	7.1	44.39	315	0.195	346	0	0	0	0	661
Steel Reinforcing - Vertical	1,153	Lbs	0.005	5.8	44.39	257	0.55	634	0	0	0	0	891
Clean Masonry	4,144	Sq Ft	0.005	20.7	44.39	919	0.06	249	0	0	0	0	1,168
Masonry Water Repellant - 2 Coats	1,973	Sq Ft	0.004	7.9	44.39	351	0.4	789	0	0	0	0	1,140
Block Wall - 12" CMU Acoustical Block				63.5		2,818		4,495		156		0	7,469
Total Subcontract Amount				63.5		0		0		0		7,469	7,469
Block Wall - 12" CMU Std Weight, Grouted			QUANTITY:		6,108	Sq Ft							
Square Foot of Surface Area (Information Only)	6,108	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
12" CMU Bond Beam 12" x 8" x 16" Standard Weight	384	Each	0.114	43.8	44.39	1,944	2.62	1,006	0	0	0	0	2,950
12" CMU Standard 12" x 8" x 16" Standard Weight	7,215	Each	0.089	642.1	44.39	28,503	1.96	14,141	0	0	0	0	42,644
Mortar - CMU	649	Cu Ft	N/A	0.0	0	0	3.65	2,369	0	0	0	0	2,369
Grout Bond Beams	123	Cu Ft	0.04	4.9	44.39	218	3.19	392	0	0	0	0	610
Grout Concrete Block Cores	1,613	Cu Ft	0.04	64.5	44.39	2,863	3.19	5,145	0.3	484	0	0	8,492
Wide Flange Control Joint	222	Lin Ft	0.017	3.8	44.39	169	0.7	155	0	0	0	0	324
12" Dur-O-Wall Galvanized Truss	5,497	Lin Ft	0.004	22.0	44.39	977	0.195	1,072	0	0	0	0	2,049
Steel Reinforcing - Horizontal	1,112	Lbs	0.004	4.4	44.39	195	0.5	556	0	0	0	0	751
Steel Reinforcing - Vertical	4,758	Lbs	0.005	23.8	44.39	1,056	0.55	2,617	0	0	0	0	3,673
Clean Masonry	12,827	Sq Ft	0.005	64.1	44.39	2,845	0.06	770	0	0	0	0	3,615
Masonry Water Repellant - 2 Coats	6,413	Sq Ft	0.004	25.7	44.39	1,141	0.4	2,565	0	0	0	0	3,706

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Masonry Thruwall Flashing 30 Mil	221	Lin Ft	0.04	8.8	44.39	391	0.78	172	0	0	0	0	563
Block Wall - 12" CMU Std Weight, Grouted				907.9		40,302		30,960		484		0	71,746
Total Subcontract Amount				907.9		0		0		0		71,746	71,746
Modular Brick Veneer - Common Bond			QUANTITY:	28,992	Sq Ft								
Face Brick - Modular	205,481	Each	0.025	5,137.0	44.39	228,031	0.4	82,192	0	0	0	0	310,223
7-5/8" x 2-1/4" x 3-5/8"													
Mortar - Brick	3,699	Cu Ft	N/A	0.0	0	0	3.4	12,577	0	0	0	0	12,577
Regular Flange Control Joint	1,015	Lin Ft	0.013	13.2	44.39	586	0.7	711	0	0	0	0	1,297
22 Gauge Wall Ties	10,872	Each	0.032	347.9	44.39	15,443	0.55	5,980	0	0	0	0	21,423
Clean Masonry	30,442	Sq Ft	0.005	152.2	44.39	6,756	0.06	1,827	0	0	0	0	8,583
Masonry Water Repellant - 2 Coats	30,442	Sq Ft	0.004	121.8	44.39	5,407	0.4	12,177	0	0	0	0	17,584
Masonry Thruwall Flashing 30 Mil	1,903	Lin Ft	0.04	76.1	44.39	3,378	0.78	1,484	0	0	0	0	4,862
Modular Brick Veneer - Common Bond				5,848.2		259,601		116,948		0		0	376,549
Total Subcontract Amount				5,848.2		0		0		0		376,549	376,549
Sills & Lintels			QUANTITY:		1 L Sum								
Window Sills	730	Lin Ft	0.1	73.0	44.39	3,240	5	3,650	0	0	0	0	6,890
Window Lintels	922	Lin Ft	0.15	138.3	44.39	6,139	0	0	0	0	0	0	6,139
Sills & Lintels				211.3		9,379		3,650		0		0	13,029
Total Subcontract Amount				211.3		0		0		0		13,029	13,029
SUB-TOTAL				14,835.0		0		0		0		1,141,104	1,141,104
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	91,288	91,288
SUB-TOTAL				14,835.0		0		0		0		1,232,392	1,232,392
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	73,944	73,944
*** UNIT MASONRY ESTIMATED COST ***				14,835.0		0		0		0		1,306,336	1,306,336

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
METALS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 41

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
STRUCTURAL METAL FRAMING	4,908.0	0	0	0	1,458,647	1,458,647
METAL DECKING	1,169.1	0	0	0	153,841	153,841
METAL FABRICATIONS	411.4	0	0	0	44,205	44,205
*** METALS ESTIMATED COST ***	6,488.5	0	0	0	1,656,693	1,656,693

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
STRUCTURAL METAL FRAMING												
Structural Steel	409	Tons	QUANTITY: 12	4,908.0	409 Tons 42.94	210,750	2,600	1,063,400	0	0	0	1,274,150
Structural Steel				4,908.0		210,750		1,063,400	0		0	1,274,150
Total Subcontract Amount				4,908.0		0		0	0		1,274,150	1,274,150
SUB-TOTAL				4,908.0		0		0	0		1,274,150	1,274,150
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	101,932
SUB-TOTAL				4,908.0		0		0	0		1,376,082	1,376,082
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	82,565
*** STRUCTURAL METAL FRAMING ESTIMATED COST ***				4,908.0		0		0	0		1,458,647	1,458,647
METAL DECKING												
Acoustical Roof Deck	5,520	Sq Ft	QUANTITY: 0.015	82.8	77,940 Sq Ft 42.94	3,555	3.5	19,320	0.03	166	0	23,041
Composite Floor Deck	41,040	Sq Ft	0.015	615.6	42.94	26,434	0.95	38,988	0.03	1,231	0	66,653
Metal Roof Deck	31,380	Sq Ft	0.015	470.7	42.94	20,212	0.75	23,535	0.03	941	0	44,688
Metal Deck				1,169.1		50,201		81,843		2,338	0	134,382
Total Subcontract Amount				1,169.1		0		0	0		134,382	134,382
SUB-TOTAL				1,169.1		0		0	0		134,382	134,382
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	10,751
SUB-TOTAL				1,169.1		0		0	0		145,133	145,133
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	8,708
*** METAL DECKING ESTIMATED COST ***				1,169.1		0		0	0		153,841	153,841
METAL FABRICATIONS												
Steel Pan Stairs - 11'	72	Each	QUANTITY: 2	144.0	1 L Sum 42.94	6,183	50	3,600	0	0	0	9,783
Steel Pan Stairs - 6'	144	Each	1	144.0	42.94	6,183	30	4,320	0	0	0	10,503

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 43

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Handrails - Wall Mount	432	Lin Ft	0.2	86.4	42.94	3,710	20	8,640	0	0	0	0	12,350
Guardrails	100	Lin Ft	0.1	10.0	42.94	429	15	1,500	0	0	0	0	1,929
Elevator Pit Ladder	8	Lin Ft	0.25	2.0	42.94	86	30	240	0	0	0	0	326
Roof Ladders	30	Lin Ft	0.25	7.5	42.94	322	30	900	0	0	0	0	1,222
Operable Partitions Supports	70	Lin Ft	0.25	17.5	42.94	751	25	1,750	0	0	0	0	2,501
Miscellaneous Fabrications				411.4		17,664		20,950		0		0	38,614
Total Subcontract Amount				411.4		0		0		0		38,614	38,614
SUB-TOTAL				411.4		0		0		0		38,614	38,614
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	3,089	3,089
SUB-TOTAL				411.4		0		0		0		41,703	41,703
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	2,502	2,502
*** METAL FABRICATIONS ESTIMATED COST ***				411.4		0		0		0		44,205	44,205

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
WOODS AND PLASTICS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 44

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
ROUGH CARPENTRY	1,124.7	39,106	19,570	0	0	58,676
FINISH CARPENTRY	1,421.3	49,419	322,184	0	0	371,603
*** WOODS AND PLASTICS ESTIMATED COST ***	2,546.0	88,525	341,754	0	0	430,279

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS				
<b>ROUGH CARPENTRY</b>												
Wood Blocking			QUANTITY:	9,009 Bd Ft								
2" x 4" SPF	1,809	Bd Ft	0.02	36.2	34.77	1,259	0.452	818	0	0	0	2,077
2" x 6" SPF	3,742	Bd Ft	0.02	74.8	34.77	2,601	0.45	1,684	0	0	0	4,285
2" x 8" SPF	3,458	Bd Ft	0.02	69.2	34.77	2,406	0.45	1,556	0	0	0	3,962
Wood Blocking				180.2		6,266		4,058	0	0	0	10,324
Wood Blocking - Treated			QUANTITY:	11,400 Bd Ft								
2" x 4" Hemlock Fir Treated	1,910	Bd Ft	0.071	135.6	34.77	4,715	0.85	1,624	0	0	0	6,339
2" x 6" Hemlock Fir Treated	5,700	Bd Ft	0.071	404.7	34.77	14,071	0.85	4,845	0	0	0	18,916
2" x 8" Hemlock Fir Treated	3,791	Bd Ft	0.071	269.2	34.77	9,360	0.85	3,222	0	0	0	12,582
3/4" CDX Plywood	8,436	Sq Ft	0.016	135.0	34.77	4,694	0.69	5,821	0	0	0	10,515
Wood Blocking - Treated				944.5		32,840		15,512	0	0	0	48,352
*** ROUGH CARPENTRY ESTIMATED COST ***				1,124.7		39,106		19,570	0	0	0	58,676
<b>FINISH CARPENTRY</b>												
Cabinets & Counter Tops			QUANTITY:	2,584 Lin Ft								
Plastic Laminate Counter Top	939	Lin Ft	0.3	281.7	34.77	9,795	30	28,170	0	0	0	37,965
Plastic Laminate Island Counter Top	14	Sq Ft	0.125	1.8	34.77	63	6.5	91	0	0	0	154
Plastic Laminate Base Cabinet	967	Lin Ft	0.3	290.1	34.77	10,087	150	145,050	0	0	0	155,137
Plastic Laminate Wall Cabinet	190	Lin Ft	0.4	76.0	34.77	2,643	100	19,000	0	0	0	21,643
Plastic Laminate Tall Storage Cabinet	474	Lin Ft	0.8	379.2	34.77	13,185	250	118,500	0	0	0	131,685
Cabinets & Counter Tops				1,028.8		35,773		310,811	0	0	0	346,584
Miscellaneous Finish Carpentry			QUANTITY:	1 LSum								
Display Cases	34	Lin Ft	1	34.0	34.77	1,182	200	6,800	0	0	0	7,982
Door and Window Trim	2,800	Lin Ft	0.06	168.0	34.77	5,841	0.35	980	0	0	0	6,821
Projection Screen Board	40	Each	0.5	20.0	34.77	695	0	0	0	0	0	695
TV Mounting Board	44	Each	1	44.0	34.77	1,530	10	440	0	0	0	1,970

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 46

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Mail Box Unit	2	Each	8	16.0	34.77	556	1,300	2,600	0	0	0	0	3,156
Tackwall Trim	2,210	Lin Ft	0.05	110.5	34.77	3,842	0.25	553	0	0	0	0	4,395
Miscellaneous Finish Carpentry				392.5		13,646		11,373		0		0	25,019
*** FINISH CARPENTRY ESTIMATED COST ***				1,421.3		49,419		322,184		0		0	371,603

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
THERMAL AND MOISTURE PROTECTION SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 47

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
WATERPROOFING AND DAMPPROOFING	498.0	0	0	0	20,592	20,592
FIREPROOFING	1,135.3	0	0	0	114,682	114,682
PREFORMED ROOFING AND SIDING	42.9	0	0	0	3,400	3,400
MEMBRANE ROOFING	4,511.6	0	0	0	272,847	272,847
FLASHING AND SHEETMETAL	479.0	0	0	0	48,194	48,194
ROOF SPECIALTIES AND ACCESSORIES	16.0	636	2,290	0	0	2,926
CAULKING AND SEALANTS	376.7	0	0	0	17,374	17,374
*** THERMAL AND MOISTURE PROTECTION ESTIMATED COST ***	7,059.5	636	2,290	0	477,089	480,015

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
<b>WATERPROOFING AND DAMPPROOFING</b>													
Waterproofing & Foundation Drain Waterproof w/Protection Board	7,720	Sq Ft	QUANTITY: 0.05	386.0	7,720 Sq Ft 23.95	9,245	0.6	4,632	0	0	0	0	13,877
Foundation Drain, Fabric & Drainage Material	560	Lin Ft	0.2	112.0	23.95	2,682	2.55	1,428	0	0	0	0	4,110
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	954	8.00 %	485	8.00 %	0	8.00 %	0	1,439
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	773	6.00 %	393	6.00 %	0	6.00 %	0	1,166
Waterproofing & Foundation Drain Total Subcontract Amount				498.0		13,654		6,938	0	0	0	0	20,592
				498.0		0		0	0	0		20,592	20,592
*** WATERPROOFING AND DAMPPROOFING ESTIMATED COST ***				498.0		0		0	0	0		20,592	20,592
<b>FIREPROOFING</b>													
Steel Fireproofing Columns and Beams	41,026	Sq Ft	QUANTITY: 0.016	656.4	1 L Sum 34.77	22,823	0.75	30,770	0	0	0	0	53,593
Roof Structure	39,910	Sq Ft	0.012	478.9	34.77	16,651	0.75	29,933	0	0	0	0	46,584
Steel Fireproofing Total Subcontract Amount				1,135.3		39,474		60,703	0	0	0	0	100,177
				1,135.3		0		0	0	0		100,177	100,177
SUB-TOTAL				1,135.3		0		0	0	0		100,177	100,177
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	8,014	8,014
SUB-TOTAL				1,135.3		0		0	0	0		108,191	108,191
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	6,491	6,491
*** FIREPROOFING ESTIMATED COST ***				1,135.3		0		0	0	0		114,682	114,682
<b>PREFORMED ROOFING AND SIDING</b>													
Soffits & Fascia Metal Soffit Panel	388	Sq Ft	QUANTITY: 0.07	27.2	1 L Sum 34.77	946	1.5	582	0	0	0	0	1,528
Prefinished Metal Fascia	224	Sq Ft	0.07	15.7	34.77	546	4	896	0	0	0	0	1,442
Soffits & Fascia Total Subcontract Amount				42.9		1,492		1,478	0	0	0	0	2,970
				42.9		0		0	0	0		2,970	2,970

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
SUB-TOTAL				42.9	0	0	0	2,970	2,970				
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	238	238		
SUB-TOTAL				42.9	0	0	0	3,208	3,208				
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	192	192		
*** PREFORMED ROOFING AND SIDING ESTIMATED COST ***				42.9	0	0	0	3,400	3,400				
MEMBRANE ROOFING													
Modified Bitumen Membrane Roofing			QUANTITY:	40,050 Sq Ft									
15# Felt	5,660	Sq Ft	0.002	11.3	34.77	393	0.04	226	0	0	0	0	619
Modified Bitumen Roofing	44,055	Sq Ft	0.07	3,083.9	23.95	73,859	1.08	47,579	0	0	0	0	121,438
1/2" High Density Fiberboard Insulation	42,053	Sq Ft	0.01	420.5	34.77	14,621	0.15	6,308	0	0	0	0	20,929
3" Polyisocyanurate Insulation	42,053	Sq Ft	0.01	420.5	34.77	14,621	0.75	31,540	0	0	0	0	46,161
Tapered Polyisocyanurate Insulation	42,053	Sq Ft	0.012	504.6	34.77	17,545	0.63	26,493	0	0	0	0	44,038
Treated Wood Cant	2,830	Lin Ft	0.025	70.8	34.77	2,462	0.95	2,689	0	0	0	0	5,151
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	9,880	8.00 %	9,187	8.00 %	0	8.00 %	0	19,067
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	8,003	6.00 %	7,441	6.00 %	0	6.00 %	0	15,444
Modified Bitumen Membrane Roofing				4,511.6		141,384		131,463	0		0	0	272,847
Total Subcontract Amount				4,511.6		0		0			272,847	0	272,847
*** MEMBRANE ROOFING ESTIMATED COST ***				4,511.6	0	0	0	272,847	272,847				
FLASHING AND SHEETMETAL													
Exterior Sheet Metal			QUANTITY:	1 L Sum									
Pre-finished Metal Flashing	8,490	Sq Ft	0.055	467.0	50.04	23,369	2.1	17,829	0	0	0	0	41,198
Pre-finished Metal Scupper	12	Each	1	12.0	50.04	600	25	300	0	0	0	0	900
Exterior Sheet Metal				479.0		23,969		18,129	0		0	0	42,098
Total Subcontract Amount				479.0		0		0			42,098	0	42,098
SUB-TOTAL				479.0	0	0	0	42,098	42,098				

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	3,368	3,368
SUB-TOTAL				479.0		0		0		0		45,466	45,466
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	2,728	2,728
*** FLASHING AND SHEETMETAL ESTIMATED COST ***				479.0		0		0		0		48,194	48,194
ROOF SPECIALTIES AND ACCESSORIES													
Roof Hatch	2	Each	8	16.0	34.77	556	1,000	2,000	0	0	0	0	2,556
SUB-TOTAL				16.0		556		2,000		0		0	2,556
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	44	8.00 %	160	8.00 %	0	8.00 %	0	204
SUB-TOTAL				16.0		600		2,160		0		0	2,760
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	36	6.00 %	130	6.00 %	0	6.00 %	0	166
*** ROOF SPECIALTIES AND ACCESSORIES ESTIMATED COST ***				16.0		636		2,290		0		0	2,926
CAULKING AND SEALANTS													
Caulking			QUANTITY:	11,995 Lin Ft									
Caulk Counters	940	Lin Ft	0.015	14.1	23.95	338	0.3	282	0	0	0	0	620
Caulk Door Frames	3,675	Lin Ft	0.015	55.1	23.95	1,320	0.2	735	0	0	0	0	2,055
Caulk Window Frames	2,990	Lin Ft	0.025	74.8	23.95	1,791	0.25	748	0	0	0	0	2,539
Caulk Building Exterior Control Joints	4,390	Lin Ft	0.053	232.7	23.95	5,573	1	4,390	0	0	0	0	9,963
Caulking				376.7		9,022		6,155		0		0	15,177
Total Subcontract Amount				376.7		0		0		0		15,177	15,177
SUB-TOTAL				376.7		0		0		0		15,177	15,177
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	1,214	1,214
SUB-TOTAL				376.7		0		0		0		16,391	16,391
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	983	983
*** CAULKING AND SEALANTS ESTIMATED COST ***				376.7		0		0		0		17,374	17,374

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
DOORS AND WINDOWS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 51

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
METAL DOORS AND FRAMES	343.3	11,937	64,330	0	0	76,267
WOOD DOORS AND FRAMES	193.0	6,710	23,670	0	0	30,380
SPECIAL DOORS	10.0	348	400	0	0	748
METAL WINDOWS	351.4	12,218	109,800	0	0	122,018
HARDWARE	1,021.5	35,518	112,100	0	0	147,618
GLASS AND GLAZING	590.6	20,534	26,455	0	0	46,989
GLAZED CURTAIN WALLS	0.0	0	0	0	116,100	116,100
*** DOORS AND WINDOWS ESTIMATED COST ***	2,509.8	87,265	336,755	0	116,100	540,120

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
<b>METAL DOORS AND FRAMES</b>													
Hollow Metal Door	21	Each	1	21.0	34.77	730	210	4,410	0	0	0	0	5,140
Hollow Metal Door w/Full Glass Opening	18	Each	1	18.0	34.77	626	290	5,220	0	0	0	0	5,846
Hollow Metal Door w/Vision Glass Opening	10	Each	1	10.0	34.77	348	245	2,450	0	0	0	0	2,798
Hollow Metal Door at Storm Shelter	15	Each	1.2	18.0	34.77	626	350	5,250	0	0	0	0	5,876
Hollow Metal Door Frame Approximately 3-0 x 7-0	105	Each	1	105.0	34.77	3,651	95	9,975	0	0	0	0	13,626
Hollow Metal Door Frame Approximately 6-0 x 7-0	7	Each	1	7.0	34.77	243	120	840	0	0	0	0	1,083
Hollow Metal Door Frame w/Sidelight Approximately 5-0 x 7-0	9	Each	1	9.0	34.77	313	210	1,890	0	0	0	0	2,203
Hollow Metal Door Frame w/Sidelight Approximately 8-0 x 7-0	2	Each	1.5	3.0	34.77	104	300	600	0	0	0	0	704
Hollow Metal Door & Window Frame Approximately 10-0 x 7-0	1	Each	2	2.0	34.77	70	350	350	0	0	0	0	420
Hollow Metal Door Frame w/Transom Approximately 6-0 x 10-0	3	Each	1.25	3.8	34.77	132	225	675	0	0	0	0	807
Hollow Metal Door Frame w/Sidelight & Transom Approximately 5-0 x 10-0	56	Each	1.5	84.0	34.77	2,921	300	16,800	0	0	0	0	19,721
Hollow Metal Door Frame w/Sidelight & Transom Approximately 10-0 x 10-0	12	Each	2	24.0	34.77	834	420	5,040	0	0	0	0	5,874
Hollow Metal Door & Window Frame Larger than 10-0 x 10-0	520	Sq Ft	0.02	10.4	34.77	362	4.25	2,210	0	0	0	0	2,572
Hollow Metal Door Frame at Storm Shelter	8	Each	1.2	9.6	34.77	334	500	4,000	0	0	0	0	4,334
Hollow Metal Borrowed Lite Frame	924	Sq Ft	0.02	18.5	34.77	643	5	4,620	0	0	0	0	5,263
<b>*** METAL DOORS AND FRAMES ESTIMATED COST ***</b>				343.3		11,937		64,330	0	0	0	0	76,267
<b>WOOD DOORS AND FRAMES</b>													
Solid Core Wood Door	105	Each	1	105.0	34.77	3,651	110	11,550	0	0	0	0	15,201
Solid Core Wood Door with 1/2 Glass Opening	1	Each	1	1.0	34.77	35	165	165	0	0	0	0	200
Solid Core Wood Door w/Vision Glass Opening	59	Each	1	59.0	34.77	2,051	145	8,555	0	0	0	0	10,606
Solid Core Rated Wood Door 3-0 x 10-0	8	Each	2	16.0	34.77	556	250	2,000	0	0	0	0	2,556
Solid Core Rated Wood Door 4-0 x 10-0	4	Each	3	12.0	34.77	417	350	1,400	0	0	0	0	1,817
<b>*** WOOD DOORS AND FRAMES ESTIMATED COST ***</b>				193.0		6,710		23,670	0	0	0	0	30,380
<b>SPECIAL DOORS</b>													
Access Doors	20	Each	0.5	10.0	34.77	348	20	400	0	0	0	0	748
<b>*** SPECIAL DOORS ESTIMATED COST ***</b>				10.0		348		400	0	0	0	0	748

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 53

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
<b>METAL WINDOWS</b>													
Metal Windows	4,392	Sq Ft	0.08	351.4	34.77	12,218	25	109,800	0	0	0	0	122,018
*** METAL WINDOWS ESTIMATED COST ***				351.4		12,218		109,800		0		0	122,018
<b>HARDWARE</b>													
Interior Door Hardware Sets	204	Each	4	816.0	34.77	28,372	400	81,600	0	0	0	0	109,972
Exterior Door Hardware Sets	19	Each	4.5	85.5	34.77	2,973	700	13,300	0	0	0	0	16,273
Storm Shelter Door Hardware Sets	8	Each	5	40.0	34.77	1,391	1,000	8,000	0	0	0	0	9,391
Automatic Door Operators	4	Each	20	80.0	34.77	2,782	2,300	9,200	0	0	0	0	11,982
*** HARDWARE ESTIMATED COST ***				1,021.5		35,518		112,100		0		0	147,618
<b>GLASS AND GLAZING</b>													
1/4" Tempered Clear Glass	3,891	Sq Ft	0.133	517.5	34.77	17,993	5	19,455	0	0	0	0	37,448
1" Insulating Glass - 2 Lites 1/4" Tempered, Tinted & Heat Reflective	248	Sq Ft	0.22	54.6	34.77	1,898	21.5	5,332	0	0	0	0	7,230
1/4" Wire Glass	139	Sq Ft	0.133	18.5	34.77	643	12	1,668	0	0	0	0	2,311
*** GLASS AND GLAZING ESTIMATED COST ***				590.6		20,534		26,455		0		0	46,989
<b>GLAZED CURTAIN WALLS</b>													
Double Glazed Aluminum Curtain Wall	2,580	Sq Ft	0	0.0	0	0	0	0	0	0	45	116,100	116,100
*** GLAZED CURTAIN WALLS ESTIMATED COST ***				0.0		0		0		0		116,100	116,100

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
FINISHES SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 54

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
GYPSUMBOARD SYSTEMS	6,257.9	6,926	5,843	0	444,942	457,711
TILE	694.1	0	0	0	79,277	79,277
ACOUSTICAL TREATMENT	2,222.6	0	0	0	147,245	147,245
WOOD FLOORING	887.8	0	0	0	68,503	68,503
RESILIENT FLOORING	1,191.3	0	0	0	105,222	105,222
CARPET	739.9	0	0	0	114,973	114,973
PAINTING	2,463.7	0	0	0	110,025	110,025
WALL COVERINGS	149.6	0	0	0	12,129	12,129
*** FINISHES ESTIMATED COST ***	14,606.9	6,926	5,843	0	1,082,316	1,095,085

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
GYPSUMBOARD SYSTEMS													
1/2" Durock Cement Board - Walls	5,800	Sq Ft	0.03	174.0	34.77	6,050	0.88	5,104	0	0	0	0	11,154
Suspended 5/8" Drywall Ceiling			QUANTITY:		2,240 Sq Ft								
Hanger Wire 18 Gauge	1,225	Lin Ft	0.008	9.8	0	0	0.01	12	0	0	0	0	12
1 1/2" Ceiling Channel	588	Lin Ft	0.015	8.8	34.77	306	0.38	223	0	0	0	0	529
Metal Furring Channel Clips	784	Each	0.01	7.8	34.77	271	0.05	39	0	0	0	0	310
7/8" Drywall Furring Channel	988	Lin Ft	0.02	19.8	34.77	688	0.29	287	0	0	0	0	975
5/8" Firecode Drywall - Ceilings	2,240	Sq Ft	0.018	40.3	34.77	1,401	0.26	582	0	0	0	0	1,983
Acoustical Caulk	4,482	Lin Ft	0.006	26.9	34.77	935	0.15	672	0	0	0	0	1,607
Finished Drywall Area (for information only)	2,240	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
Joint Compound	309	Lbs	0	0.0	0	0	0.122	38	0	0	0	0	38
1" Type S-12 Drywall Screw - Bugle Head	1,380	Each	0	0.0	0	0	0.025	35	0	0	0	0	35
Drywall Joint Tape	912	Lin Ft	0	0.0	0	0	0.006	5	0	0	0	0	5
Suspended 5/8" Drywall Ceiling				113.4		3,601		1,893	0		0		5,494
Total Subcontract Amount				113.4		0		0			5,494		5,494
Wall 1 5/8" Studs & 5/8" Drywall													
1 5/8" Metal Studs - 20 Gauge Galvanized	17,015	Lin Ft	0.017	289.3	34.77	10,059	0.45	7,657	0	0	0	0	17,716
1 5/8" Metal Track - 20 Gauge Galvanized	3,772	Lin Ft	0.017	64.1	34.77	2,229	0.42	1,584	0	0	0	0	3,813
5/8" Firecode Drywall - Walls	21,552	Sq Ft	0.014	301.7	34.77	10,490	0.26	5,604	0	0	0	0	16,094
Acoustical Caulk	3,592	Lin Ft	0.006	21.6	34.77	751	0.15	539	0	0	0	0	1,290
Finished Drywall Area (for information only)	21,552	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
Joint Compound	2,974	Lbs	0	0.0	0	0	0.122	363	0	0	0	0	363
5/8" Metal J Mold	1,796	Lin Ft	0.008	14.4	34.77	501	0.18	323	0	0	0	0	824
1" Type S-12 Drywall Screw - Bugle Head	47,533	Each	0	0.0	0	0	0.025	1,188	0	0	0	0	1,188
Drywall Joint Tape	8,772	Lin Ft	0	0.0	0	0	0.006	53	0	0	0	0	53
Wall 1 5/8" Studs & 5/8" Drywall				691.1		24,030		17,311	0		0		41,341
Total Subcontract Amount				691.1		0		0			41,341		41,341

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS				
Wall 3 5/8" Studs & 5/8" Drywall w/Insul			QUANTITY:	5,208	Sq Ft								
Unfaced Fiberglass Batt Insulation	5,208	Sq Ft	0.006	31.2	34.77	1,085	0.22	1,146	0	0	0	0	2,231
3 1/2" (R-11)													
3 5/8" Metal Studs - 25 Gauge Galvanized	4,112	Lin Ft	0.018	74.0	34.77	2,573	0.372	1,530	0	0	0	0	4,103
3 5/8" Metal Track - 25 Gauge Galvanized	781	Lin Ft	0.018	14.1	34.77	490	0.361	282	0	0	0	0	772
5/8" Firecode Drywall - Walls	5,208	Sq Ft	0.014	72.9	34.77	2,535	0.26	1,354	0	0	0	0	3,889
Acoustical Caulk	744	Lin Ft	0.006	4.5	34.77	156	0.15	112	0	0	0	0	268
Finished Drywall Area (for information only)	5,208	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
Joint Compound	719	Lbs	0	0.0	0	0	0.122	88	0	0	0	0	88
5/8" Metal J Mold	372	Lin Ft	0.008	3.0	34.77	104	0.18	67	0	0	0	0	171
1" Type S-12 Drywall Screw - Bugle Head	11,486	Each	0	0.0	0	0	0.025	287	0	0	0	0	287
7/16" Type S Drywall Screw - Pan Head	1,231	Each	0	0.0	0	0	0.01	12	0	0	0	0	12
1" Powder Driven Fastener	136	Each	0	0.0	0	0	0.07	10	0	0	0	0	10
Drywall Joint Tape	2,120	Lin Ft	0	0.0	0	0	0.006	13	0	0	0	0	13
Wall 3 5/8" Studs & 5/8" Drywall w/Insul				199.7		6,943		4,901	0		0		11,844
Total Subcontract Amount				199.7		0		0			11,844		11,844
1 Hr Wall 3 5/8" Studs & 5/8" DW w/Insul			QUANTITY:	32,816	Sq Ft								
Unfaced Fiberglass Batt Insulation	32,816	Sq Ft	0.006	196.9	34.77	6,846	0.22	7,220	0	0	0	0	14,066
3 1/2" (R-11)													
3 5/8" Metal Studs - 20 Gauge Galvanized	25,907	Lin Ft	0.017	440.4	34.77	15,313	0.6	15,544	0	0	0	0	30,857
3 5/8" Metal Track - 20 Gauge Galvanized	4,922	Lin Ft	0.018	88.6	34.77	3,081	0.58	2,855	0	0	0	0	5,936
2" Deep Leg Slip Track x 3-5/8" - 20 GA	4,922	Lin Ft	0.015	73.8	34.77	2,566	1.8	8,860	0	0	0	0	11,426
5/8" Firecode Drywall - Walls	65,632	Sq Ft	0.014	918.8	34.77	31,947	0.26	17,064	0	0	0	0	49,011
Acoustical Caulk	9,376	Lin Ft	0.006	56.3	34.77	1,958	0.15	1,406	0	0	0	0	3,364
Finished Drywall Area (for information only)	65,632	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
Joint Compound	9,057	Lbs	0	0.0	0	0	0.122	1,105	0	0	0	0	1,105
5/8" Metal J Mold	4,688	Lin Ft	0.008	37.5	34.77	1,304	0.18	844	0	0	0	0	2,148
1" Type S-12 Drywall Screw - Bugle Head	72,376	Each	0	0.0	0	0	0.025	1,809	0	0	0	0	1,809
7/16" Type S Drywall Screw - Pan Head	7,755	Each	0	0.0	0	0	0.01	78	0	0	0	0	78
1" Powder Driven Fastener	859	Each	0	0.0	0	0	0.07	60	0	0	0	0	60

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Drywall Joint Tape	26,712	Lin Ft	0	0.0	0	0	0.006	160	0	0	0	0	160
1 Hr Wall 3 5/8" Studs & 5/8" DW w/Insul				1,812.3		63,015		57,005		0		0	120,020
Total Subcontract Amount				1,812.3		0		0		0		120,020	120,020
Ext. Wall 6" Studs 5/8" DW & 5/8" Sheath			QUANTITY:		3,208 Sq Ft								
6 Mil Poly Vapor Barrier Over Walls	3,529	Sq Ft	0.0032	11.3	23.95	271	0.03	106	0	0	0	0	377
Foil Faced Fiberglass Insulation 6 1/2" (R-19)	3,208	Sq Ft	0.006	19.2	34.77	668	0.43	1,379	0	0	0	0	2,047
Extruded Polystyrene Board Insulation 1" Thick (Fed. Spec HHI524c Type IV)	3,368	Sq Ft	0.01	33.7	34.77	1,172	0.278	936	0	0	0	0	2,108
6" Metal Studs - 18 Gauge Galvanized	4,812	Lin Ft	0.018	86.6	34.77	3,011	0.891	4,287	0	0	0	0	7,298
6" Metal Track - 18 Gauge Galvanized	571	Lin Ft	0.018	10.3	34.77	358	0.87	497	0	0	0	0	855
Slide Clips	509	Lin Ft	0.05	25.5	34.77	887	2.5	1,273	0	0	0	0	2,160
5/8" Firecode Drywall - Walls	3,208	Sq Ft	0.014	44.9	34.77	1,561	0.26	834	0	0	0	0	2,395
5/8" Firecode Exterior Gypsum Sheathing	3,208	Sq Ft	0.02	64.2	34.77	2,232	0.35	1,123	0	0	0	0	3,355
Finished Drywall Area (for information only)	3,208	Sq Ft	0	0.0	0	0	0	0	0	0	0	0	0
Joint Compound	443	Lbs	0	0.0	0	0	0.122	54	0	0	0	0	54
5/8" Metal J Mold	272	Lin Ft	0.008	2.2	34.77	76	0.18	49	0	0	0	0	125
1" Type S-12 Drywall Screw - Bugle Head	3,538	Each	0	0.0	0	0	0.025	88	0	0	0	0	88
7/16" Type S Drywall Screw - Pan Head	900	Each	0	0.0	0	0	0.01	9	0	0	0	0	9
1" Powder Driven Fastener	100	Each	0	0.0	0	0	0.07	7	0	0	0	0	7
Drywall Joint Tape	1,306	Lin Ft	0	0.0	0	0	0.006	8	0	0	0	0	8
Ext. Wall 6" Studs 5/8" DW & 5/8" Sheath				297.9		10,236		10,650		0		0	20,886
Total Subcontract Amount				297.9		0		0		0		20,886	20,886
Ext Wall 9 1/4" Studs 5/8" DW & 5/8" She			QUANTITY:		28,392 Sq Ft								
6 Mil Poly Vapor Barrier Over Walls	31,231	Sq Ft	0.0032	99.9	23.95	2,393	0.03	937	0	0	0	0	3,330
Foil Faced Fiberglass Insulation 6 1/2" (R-19)	28,392	Sq Ft	0.006	170.4	34.77	5,925	0.43	12,209	0	0	0	0	18,134
Extruded Polystyrene Board Insulation 1" Thick (Fed. Spec HHI524c Type IV)	29,812	Sq Ft	0.01	298.1	34.77	10,365	0.278	8,288	0	0	0	0	18,653
9-1/4" Metal Studs - 16 Gauge Galvanized	22,415	Lin Ft	0.033	739.7	34.77	25,719	1.05	23,536	0	0	0	0	49,255
9-1/4" Metal Track - 16 Gauge Galvanized	4,192	Lin Ft	0.033	138.3	34.77	4,809	0.95	3,982	0	0	0	0	8,791

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
Slide Clips	3,733	Lin Ft	0.05	186.7	34.77	6,492	2.5	9,333	0	0	0	15,825
5/8" Firecode Drywall - Walls	28,392	Sq Ft	0.014	397.5	34.77	13,821	0.26	7,382	0	0	0	21,203
Finished Drywall Area (for information only)	28,392	Sq Ft	0	0.0	0	0	0	0	0	0	0	0
Joint Compound	3,918	Lbs	0	0.0	0	0	0.122	478	0	0	0	478
5/8" Metal J Mold	1,996	Lin Ft	0.008	16.0	34.77	556	0.18	359	0	0	0	915
1" Type S-12 Drywall Screw - Bugle Head	31,309	Each	0	0.0	0	0	0.025	783	0	0	0	783
7/16" Type S Drywall Screw - Pan Head	6,603	Each	0	0.0	0	0	0.01	66	0	0	0	66
1" Powder Driven Fastener	732	Each	0	0.0	0	0	0.07	51	0	0	0	51
Drywall Joint Tape	11,556	Lin Ft	0	0.0	0	0	0.006	69	0	0	0	69
Ext Wall 9 1/4" Studs 5/8" DW & 5/8" She				2,046.6		70,080		67,473		0		137,553
Total Subcontract Amount				2,046.6		0		0		0	137,553	137,553
Drywall Soffits			QUANTITY:	25,314	Sq Ft							
3 5/8" Metal Studs - 25 Gauge Galvanized	20,936	Lin Ft	0.018	376.8	34.77	13,101	0.372	7,788	0	0	0	20,889
3 5/8" Metal Track - 25 Gauge Galvanized	8,217	Lin Ft	0.018	147.9	34.77	5,142	0.361	2,966	0	0	0	8,108
5/8" Firecode Drywall - Walls	25,314	Sq Ft	0.014	354.4	34.77	12,322	0.26	6,582	0	0	0	18,904
Finished Drywall Area (for information only)	25,314	Sq Ft	0	0.0	0	0	0	0	0	0	0	0
Joint Compound	3,493	Lbs	0	0.0	0	0	0.122	426	0	0	0	426
1-1/8" x 1-1/8" Metal Corner Bead	2,739	Lin Ft	0.008	21.9	34.77	761	0.11	301	0	0	0	1,062
5/8" Metal J Mold	2,739	Lin Ft	0.008	21.9	34.77	761	0.18	493	0	0	0	1,254
1" Type S-12 Drywall Screw - Bugle Head	25,314	Each	0	0.0	0	0	0.025	633	0	0	0	633
7/16" Type S Drywall Screw - Pan Head	12,356	Each	0	0.0	0	0	0.01	124	0	0	0	124
1" Powder Driven Fastener	913	Each	0	0.0	0	0	0.07	64	0	0	0	64
Drywall Joint Tape	10,303	Lin Ft	0	0.0	0	0	0.006	62	0	0	0	62
Drywall Soffits				922.9		32,087		19,439		0		51,526
Total Subcontract Amount				922.9		0		0		0	51,526	51,526
SUB-TOTAL				6,257.9		6,050		5,104		0	388,664	399,818

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT TOTAL	MATERIAL DOLLARS UNIT TOTAL	EQUIPMENT DOLLARS UNIT TOTAL	SUBCONTRACT DOLLARS UNIT TOTAL	TOTAL DOLLARS				
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	484	8.00 %	408	8.00 %	0	8.00 %	31,093	31,985
SUB-TOTAL				6,257.9		6,534		5,512		0		419,757	431,803
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	392	6.00 %	331	6.00 %	0	6.00 %	25,185	25,908
*** GYPSUMBOARD SYSTEMS ESTIMATED COST ***				6,257.9		6,926		5,843		0		444,942	457,711
TILE													
Quarry Tile Floor and Base			QUANTITY:		792 Sq Ft								
Quarry Tile Floor	792	Sq Ft	0.125	99.0	34.77	3,442	3.75	2,970	0	0	0	0	6,412
Quarry Tile Base	124	Lin Ft	0.145	18.0	34.77	626	3.5	434	0	0	0	0	1,060
Quarry Tile Floor and Base				117.0		4,068		3,404		0		0	7,472
Total Subcontract Amount				117.0		0		0		0		7,472	7,472
Tile Walls													
Cure & Protect	7,044	Sq Ft	0.002	14.1	23.95	338	0.04	282	0	0	0	0	620
Dry-Set Mortar for Thinset Tile	2,465	Lb	0.01	24.7	34.77	859	0.5	1,233	0	0	0	0	2,092
Final Tile Cleanup	7,044	Sq Ft	0.01	70.4	23.95	1,686	0.03	211	0	0	0	0	1,897
Wall Preparation for Thinset Tile	7,044	Sq Ft	0.005	35.2	23.95	843	0	0	0	0	0	0	843
Tile Grout, Dry-Set	470	Lbs	0	0.0	0	0	0.5	235	0	0	0	0	235
Unglazed Vitreous Tile 4" x 4" x 3/8"	7,044	Sq Ft	0.04	281.8	34.77	9,798	4.5	31,698	0	0	0	0	41,496
Tile Walls				426.2		13,524		33,659		0		0	47,183
Total Subcontract Amount				426.2		0		0		0		47,183	47,183
Tile Floors Thinset													
Cure & Protect	2,304	Sq Ft	0.002	4.6	23.95	110	0.04	92	0	0	0	0	202
Dry-Set Mortar for Thinset Tile	806	Lb	0.01	8.1	34.77	282	0.5	403	0	0	0	0	685
Final Tile Cleanup	2,304	Sq Ft	0.01	23.0	23.95	551	0.03	69	0	0	0	0	620
Floor Preparation for Thinset Tile	2,304	Sq Ft	0.01	23.0	23.95	551	0	0	0	0	0	0	551
Tile Grout, Dry-Set	230	Lbs	0	0.0	0	0	0.5	115	0	0	0	0	115
Unglazed Ceramic Mosaic Tile 1" x 1" x 1/4"	2,304	Sq Ft	0.04	92.2	34.77	3,206	4	9,216	0	0	0	0	12,422
Tile Floors Thinset				150.9		4,700		9,895		0		0	14,595
Total Subcontract Amount				150.9		0		0		0		14,595	14,595

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
SUB-TOTAL				694.1	0	0		69,250
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	5,540
SUB-TOTAL				694.1	0	0		74,790
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	4,487
*** TILE ESTIMATED COST ***				694.1	0	0		79,277
ACOUSTICAL TREATMENT								
2 x 2 Acoustic Ceiling - Mineral Fiber Painted Acoustic Grid Main Tee	17,266	Lin Ft	QUANTITY: 0.03	518.0	65,776 Sq Ft 34.77	18,011	0.42	7,252
24" Painted Acoustic Grid Cross Tee	8,633	Each	0.01	86.3	34.77	3,001	0.34	2,935
48" Painted Acoustic Grid Cross Tee	8,633	Each	0.03	259.0	34.77	9,005	0.34	2,935
Painted Acoustic Grid Perimeter Angle	16,444	Lin Ft	0.03	493.3	34.77	17,152	0.26	4,275
Acoustic Grid Suspension Wire	22,611	Lin Ft	N/A	0.0	0	0	0.05	1,131
2' x 2' x 5/8" Thick Mineral Fiber Tile Square Edge	65,776	Sq Ft	0.01	657.8	34.77	22,872	0.3	19,733
2 x 2 Acoustic Ceiling - Mineral Fiber Total Subcontract Amount				2,014.4		70,041		38,261
				2,014.4		0		0
2 x 2 Acoust. Clg. - Plastic Face, Rated Painted Acoustic Grid Main Tee, Rated	231	Lin Ft	QUANTITY: 0.01	2.3	880 Sq Ft 34.77	80	0.73	169
24" Painted Acoustic Grid Cross Tee	116	Each	0.01	1.2	34.77	42	0.34	39
48" Painted Acoustic Grid Cross Tee Rated	116	Each	0.01	1.2	34.77	42	1.24	144
Painted Acoustic Grid Perimeter Angle	1,938	Lin Ft	0.03	58.1	34.77	2,020	0.26	504
Acoustic Grid Suspension Wire	303	Lin Ft	N/A	0.0	0	0	0.05	15
2' x 2' Plastic Coated Mineral Fibre Til	880	Sq Ft	0.02	17.6	34.77	612	1.6	1,408
2 x 2 Acoust. Clg. - Plastic Face, Rated Total Subcontract Amount				80.4		2,796		2,279
				80.4		0		0
Ceiling Domes GFRG Domes @ Ceiling	320	Sq Ft	QUANTITY: 0.1	32.0	1 LSum 34.77	1,113	5	1,600

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Grid @ Ceiling Domes	640	Lin Ft	0.05	32.0	34.77	1,113	0.85	544	0	0	0	0	1,657
Insulation @ Domes	320	Sq Ft	0.01	3.2	34.77	111	0.3	96	0	0	0	0	207
Ceiling Domes				67.2		2,337		2,240	0		0		4,577
Total Subcontract Amount				67.2		0		0	0		4,577		4,577
Acoustic Panels			QUANTITY:		1 LSum								
Acoustic Wall Panels	32	Sq Ft	0.08	2.6	34.77	90	2	64	0	0	0	0	154
Acoustic Diffuser Panels	32	Sq Ft	0.08	2.6	34.77	90	3	96	0	0	0	0	186
Acoustic Wall Panels @ A6: Corridor in Front of Library	1,680	Sq Ft	0.033	55.4	34.77	1,926	5	8,400	0	0	0	0	10,326
Acoustic Panels				60.6		2,106		8,560	0		0		10,666
Total Subcontract Amount				60.6		0		0	0		10,666		10,666
SUB-TOTAL				2,222.6		0		0	0		128,620		128,620
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	10,290	10,290
SUB-TOTAL				2,222.6		0		0	0		138,910		138,910
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	8,335	8,335
*** ACOUSTICAL TREATMENT ESTIMATED COST ***				2,222.6		0		0	0		147,245		147,245
WOOD FLOORING													
Wood Flooring			QUANTITY:		5,420 Sq Ft								
Surface Preparation	5,691	Sq Ft	0.006	34.1	34.77	1,186	0.09	512	0	0	0	0	1,698
Tongue & Groove Wood Floor	5,691	Sq Ft	0.1	569.1	34.77	19,788	3.5	19,919	0	0	0	0	39,707
Finish Wood Floor	5,691	Sq Ft	0.025	142.3	34.77	4,948	0.7	3,984	0	0	0	0	8,932
Sleepers & Subfloor	5,691	Sq Ft	0.025	142.3	34.77	4,948	0.8	4,553	0	0	0	0	9,501
Wood Flooring				887.8		30,870		28,968	0		0		59,838
Total Subcontract Amount				887.8		0		0	0		59,838		59,838
SUB-TOTAL				887.8		0		0	0		59,838		59,838
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	4,787	4,787

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS				
SUB-TOTAL				887.8	0	0	0	64,625	64,625			
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	3,878	3,878		
*** WOOD FLOORING ESTIMATED COST ***				887.8	0	0	0	68,503	68,503			
RESILIENT FLOORING												
Rubber Stair Treads & Landings Surface Preparation	26	Sq Ft	0.006	0.2	880 Sq Ft 34.77	7	0.09	2	0	0	0	9
Rubber Stair Treads	924	Lin Ft	0.07	64.7	34.77	2,250	6.75	6,237	0	0	0	8,487
Rubber Stair Treads & Landings Total Subcontract Amount				64.9		2,257		6,239	0	0	0	8,496
				64.9		0		0			8,496	8,496
Vinyl Base 4" Vinyl Base	12,671	Lin Ft	0.05	633.6	12,068 Lin Ft 34.77	22,030	0.6	7,603	0	0	0	29,633
Vinyl Base Total Subcontract Amount				633.6		22,030		7,603	0	0	0	29,633
				633.6		0		0			29,633	29,633
Vinyl Composition Tile Surface Preparation	871	Sq Ft	0.006	5.2	29,025 Sq Ft 34.77	181	0.09	78	0	0	0	259
12" x 12" x 1/8" Vinyl Composition Tile Standard Color Marblized or Chip Through	30,476	Sq Ft	0.016	487.6	34.77	16,954	1.2	36,571	0	0	0	53,525
Vinyl Composition Tile Total Subcontract Amount				492.8		17,135		36,649	0	0	0	53,784
				492.8		0		0			53,784	53,784
SUB-TOTAL				1,191.3		0		0	0		91,913	91,913
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	7,353	7,353
SUB-TOTAL				1,191.3		0		0	0		99,266	99,266
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	5,956	5,956
*** RESILIENT FLOORING ESTIMATED COST ***				1,191.3		0		0	0		105,222	105,222

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
<b>CARPET</b>													
Carpeting - No Pad - Glued Down Surface Preparation	1,284	Sq Ft	0.006	7.7	34.77	268	0.09	116	0	0	0	0	384
			QUANTITY:	4,755	Sq Yds								
Carpet Average Commercial Grade	5,230	Sq Yds	0.14	732.2	34.77	25,459	14	73,220	0	0	0	0	98,679
Carpet Adhesive	171	Gallon	N/A	0.0	0	0	8	1,368	0	0	0	0	1,368
Carpeting - No Pad - Glued Down Total Subcontract Amount				739.9		25,727		74,704	0	0	0	0	100,431
				739.9		0		0				100,431	100,431
<b>SUB-TOTAL</b>													
				739.9		0		0				100,431	100,431
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	8,034	8,034
<b>SUB-TOTAL</b>													
				739.9		0		0				108,465	108,465
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	6,508	6,508
<b>*** CARPET ESTIMATED COST ***</b>													
				739.9		0		0				114,973	114,973
<b>PAINTING</b>													
Paint Exposed Ceiling Structure	5,340	Sq Ft	0.01	53.4	29.64	1,583	0.1	534	0	0	0	0	2,117
			QUANTITY:	5,340	Sq Ft								
Paint Exposed Ceiling Structure Total Subcontract Amount				53.4		1,583		534	0	0	0	0	2,117
				53.4		0		0				2,117	2,117
Paint Doors - Latex	63	Each	1	63.0	29.64	1,867	10	630	0	0	0	0	2,497
			QUANTITY:	478	Each								
Paint Frames - Latex	415	Each	1	415.0	29.64	12,301	5	2,075	0	0	0	0	14,376
Latex Painting - Doors, Frames & Windows Total Subcontract Amount				478.0		14,168		2,705	0	0	0	0	16,873
				478.0		0		0				16,873	16,873
Paint Drywall Walls - Latex	109,584	Sq Ft	0.012	1,315.0	29.64	38,977	0.13	14,246	0	0	0	0	53,223
			QUANTITY:	137,138	Sq Ft								
Paint Drywall Ceilings - Latex	27,554	Sq Ft	0.015	413.3	29.64	12,250	0.13	3,582	0	0	0	0	15,832
Latex Painting - Walls & Ceilings Total Subcontract Amount				1,728.3		51,227		17,828	0	0	0	0	69,055
				1,728.3		0		0				69,055	69,055

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
Stain - Doors, Frames & Windows			QUANTITY:	177 Each				
Stain/Finish Doors	177	Each	1	177.0	29.64	10	0	7,016
					5,246	1,770	0	
Stain - Doors, Frames & Windows				177.0				7,016
Total Subcontract Amount				177.0				7,016
					5,246	1,770	0	
					0	0	0	
Miscellaneous			QUANTITY:	1 L Sum				
Paint/Stripe Gym Floor	5,400	Lin Ft	0.005	27.0	34.77	0.02	0	1,047
					939	108	0	
Miscellaneous				27.0				1,047
Total Subcontract Amount				27.0				1,047
					939	108	0	
					0	0	0	
SUB-TOTAL				2,463.7				96,108
					0	0	0	
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	8.00 %	8.00 %	7,689
					0	0	0	
SUB-TOTAL				2,463.7				103,797
					0	0	0	
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	6.00 %	6.00 %	6,228
					0	0	0	
*** PAINTING ESTIMATED COST ***				2,463.7				110,025
					0	0	0	
WALL COVERINGS								
Vinyl Wall Covering			QUANTITY:	8,800 Sq Ft				
Vinyl Wall Covering	8,800	Sq Ft	0.017	149.6	29.64	0.7	0	10,594
					4,434	6,160	0	
Vinyl Wall Covering				149.6				10,594
Total Subcontract Amount				149.6				10,594
					4,434	6,160	0	
					0	0	0	
SUB-TOTAL				149.6				10,594
					0	0	0	
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	8.00 %	8.00 %	848
					0	0	0	
SUB-TOTAL				149.6				11,442
					0	0	0	
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	6.00 %	6.00 %	687
					0	0	0	
*** WALL COVERINGS ESTIMATED COST ***				149.6				12,129
					0	0	0	

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
SPECIALTIES SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
CHALKBOARDS AND TACKBOARDS	343.1	11,930	53,455	0	0	65,385
COMPARTMENTS AND CUBICLES	112.0	3,894	23,520	0	0	27,414
LOUVERS AND VENTS	1.2	42	480	0	0	522
WALL AND CORNER GUARDS	7.7	268	583	0	0	851
FLAGPOLES	18.0	561	1,425	0	0	1,986
IDENTIFYING DEVICES	69.0	2,399	4,750	0	0	7,149
LOCKERS	8.0	278	1,040	0	0	1,318
FIRE PROTECTION SPECIALTIES	32.0	1,113	1,200	0	0	2,313
CUBICLE CURTAIN	5.3	184	374	0	0	558
OPERABLE PARTITIONS	0.0	0	0	0	50,960	50,960
TOILET AND BATH ACCESSORIES	129.6	4,505	19,470	0	0	23,975
*** SPECIALTIES ESTIMATED COST ***	725.9	25,174	106,297	0	50,960	182,431

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
<b>CHALKBOARDS AND TACKBOARDS</b>													
8-0 x 4-0 Chalkboard	3	Each	1	3.0	34.77	104	295	885	0	0	0	0	989
12-0 x 4-0 Chalkboard	41	Each	1.35	55.4	34.77	1,926	430	17,630	0	0	0	0	19,556
4-0 x 4-0 Tackboard	104	Each	1	104.0	34.77	3,616	110	11,440	0	0	0	0	15,056
8-0 x 4-0 Markerboard	2	Each	1	2.0	34.77	70	300	600	0	0	0	0	670
12-0 x 4-0 Markerboard	2	Each	1.35	2.7	34.77	94	450	900	0	0	0	0	994
1/4" Cork for Tackwall	8,800	Sq Ft	0.02	176.0	34.77	6,120	2.5	22,000	0	0	0	0	28,120
*** CHALKBOARDS AND TACKBOARDS ESTIMATED COST ***				343.1		11,930		53,455		0		0	65,385
<b>COMPARTMENTS AND CUBICLES</b>													
Solid Surface Floor Mounted Overhead Braced Toilet Partition	28	Each	4	112.0	34.77	3,894	840	23,520	0	0	0	0	27,414
*** COMPARTMENTS AND CUBICLES ESTIMATED COST ***				112.0		3,894		23,520		0		0	27,414
<b>LOUVERS AND VENTS</b>													
Louvers	120	Sq Ft	0.01	1.2	34.77	42	4	480	0	0	0	0	522
*** LOUVERS AND VENTS ESTIMATED COST ***				1.2		42		480		0		0	522
<b>WALL AND CORNER GUARDS</b>													
PVC Corner Guards	110	Lin Ft	0.07	7.7	34.77	268	5.3	583	0	0	0	0	851
*** WALL AND CORNER GUARDS ESTIMATED COST ***				7.7		268		583		0		0	851
<b>FLAGPOLES</b>													
Flagpole Foundation	1	Each	6	6.0	23.95	144	300	300	0	0	0	0	444
30' High Aluminum Tapered Flagpole	1	Each	12	12.0	34.77	417	1,125	1,125	0	0	0	0	1,542
*** FLAGPOLES ESTIMATED COST ***				18.0		561		1,425		0		0	1,986
<b>IDENTIFYING DEVICES</b>													
Plastic Room Signs	150	Each	0.35	52.5	34.77	1,825	20	3,000	0	0	0	0	4,825
Exterior Aluminum Letters	25	Each	0.5	12.5	34.77	435	50	1,250	0	0	0	0	1,685
Cast Metal Plaque	1	Each	4	4.0	34.77	139	500	500	0	0	0	0	639
*** IDENTIFYING DEVICES ESTIMATED COST ***				69.0		2,399		4,750		0		0	7,149

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
LOCKERS													
Staff Lockers	8	Each	1	8.0	34.77	278	130	1,040	0	0	0	0	1,318
*** LOCKERS ESTIMATED COST ***				8.0		278		1,040		0		0	1,318
FIRE PROTECTION SPECIALTIES													
Fire Extinguisher Cabinet	16	Each	2	32.0	34.77	1,113	75	1,200	0	0	0	0	2,313
*** FIRE PROTECTION SPECIALTIES ESTIMATED COST ***				32.0		1,113		1,200		0		0	2,313
CUBICLE CURTAIN													
Cubicle Curtain	176	Sq Ft	0.005	0.9	34.77	31	1.5	264	0	0	0	0	295
Curtain Track	22	Lin Ft	0.2	4.4	34.77	153	5	110	0	0	0	0	263
*** CUBICLE CURTAIN ESTIMATED COST ***				5.3		184		374		0		0	558
OPERABLE PARTITIONS													
Operable Partition	784	Sq Ft	0	0.0	0	0	0	0	0	0	65	50,960	50,960
*** OPERABLE PARTITIONS ESTIMATED COST ***				0.0		0		0		0		50,960	50,960
TOILET AND BATH ACCESSORIES													
Diaper Change Unit	1	Each	4	4.0	34.77	139	450	450	0	0	0	0	589
Napkin Dispenser	4	Each	0.5	2.0	34.77	70	315	1,260	0	0	0	0	1,330
Napkin Disposal	12	Each	0.5	6.0	34.77	209	150	1,800	0	0	0	0	2,009
30" Grab Bar	19	Each	0.5	9.5	34.77	330	65	1,235	0	0	0	0	1,565
42" Grab Bar	19	Each	0.5	9.5	34.77	330	75	1,425	0	0	0	0	1,755
18" x 24" Mirror	14	Each	0.5	7.0	34.77	243	65	910	0	0	0	0	1,153
Combination Utility Shelf/Mop and Broom Holder	4	Each	0.75	3.0	34.77	104	60	240	0	0	0	0	344
Paper Towel Dispenser	58	Each	0.5	29.0	34.77	1,008	80	4,640	0	0	0	0	5,648
Combination Towel Dispenser & Waste Receptacle	8	Each	1.5	12.0	34.77	417	350	2,800	0	0	0	0	3,217
Robe Hook	16	Each	0.25	4.0	34.77	139	15	240	0	0	0	0	379
Liquid Soap Dispenser	28	Each	0.75	21.0	34.77	730	65	1,820	0	0	0	0	2,550
Shower Curtain Rod	1	Each	0.75	0.8	34.77	28	25	25	0	0	0	0	53
Shower Curtain	1	Each	0.25	0.3	34.77	10	35	35	0	0	0	0	45
Folding Shower Seat	1	Each	2	2.0	34.77	70	250	250	0	0	0	0	320

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
Toilet Paper Holder	39	Each	0.5	19.5	34.77	678	60	2,340	0	0	0	0	3,018
*** TOILET AND BATH ACCESSORIES ESTIMATED COST ***				129.6		4,505		19,470		0		0	23,975

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
EQUIPMENT SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
THEATER AND STAGE EQUIPMENT	0.0	0	0	0	21,000	21,000
LOADING DOCK EQUIPMENT	2.0	70	480	0	0	550
FOOD SERVICE EQUIPMENT	0.0	0	0	0	900	900
ATHLETIC EQUIPMENT	145.0	5,042	0	0	0	5,042
*** EQUIPMENT ESTIMATED COST ***	147.0	5,112	480	0	21,900	27,492

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	DOLLARS TOTAL	MATERIAL DOLLARS UNIT	DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	DOLLARS TOTAL	TOTAL DOLLARS
THEATER AND STAGE EQUIPMENT													
Stage Curtains	840	Sq Ft	0	0.0	0	0	0	0	0	0	25	21,000	21,000
*** THEATER AND STAGE EQUIPMENT ESTIMATED COST ***				0.0		0		0		0		21,000	21,000
LOADING DOCK EQUIPMENT													
Dock Bumpers	4	Each	0.5	2.0	34.77	70	120	480	0	0	0	0	550
*** LOADING DOCK EQUIPMENT ESTIMATED COST ***				2.0		70		480		0		0	550
FOOD SERVICE EQUIPMENT													
Kitchen Equipment - Install Only	30	Each	0	0.0	0	0	0	0	0	0	30	900	900
*** FOOD SERVICE EQUIPMENT ESTIMATED COST ***				0.0		0		0		0		900	900
ATHLETIC EQUIPMENT													
Volleyball Equipment	1	L Sum	5	5.0	34.77	174	FBO	0	0	0	0	0	174
Wall Pads	280	Sq Ft	0.1	28.0	34.77	974	FBO	0	0	0	0	0	974
Fixed Basketball Backstops	4	Each	16	64.0	34.77	2,225	FBO	0	0	0	0	0	2,225
Motorized Basketball Backstops	2	Each	24	48.0	34.77	1,669	FBO	0	0	0	0	0	1,669
*** ATHLETIC EQUIPMENT ESTIMATED COST ***				145.0		5,042		0		0		0	5,042

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
FURNISHINGS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
WINDOW TREATMENT	440.0	15,299	8,800	0	0	24,099
RUGS AND MATS	27.0	939	1,800	0	0	2,739
*** FURNISHINGS ESTIMATED COST ***	467.0	16,238	10,600	0	0	26,838

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
WINDOW TREATMENT													
Horizontal Blinds	4,400	Sq Ft	0.1	440.0	34.77	15,299	2	8,800	0	0	0	0	24,099
*** WINDOW TREATMENT ESTIMATED COST ***				440.0		15,299		8,800		0		0	24,099
RUGS AND MATS													
Recessed Floor Mats and Frames	180	Sq Ft	0.15	27.0	34.77	939	10	1,800	0	0	0	0	2,739
*** RUGS AND MATS ESTIMATED COST ***				27.0		939		1,800		0		0	2,739

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
CONVEYING SYSTEMS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
ELEVATORS	0.0	0	0	0	75,000	75,000
*** CONVEYING SYSTEMS ESTIMATED COST ***	0.0	0	0	0	75,000	75,000

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	DOLLARS TOTAL	MATERIAL DOLLARS UNIT	DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	DOLLARS TOTAL	TOTAL DOLLARS
ELEVATORS													
Hydraulic Elevator - 3 Stop	1	Each	0	0.0	0	0	0	0	0	0	75,000	75,000	75,000
*** ELEVATORS ESTIMATED COST ***				0.0		0		0		0		75,000	75,000

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
MECHANICAL SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
MECHANICAL INSULATION	774.8	0	0	0	67,891	67,891
FIRE PROTECTION	0.0	0	0	0	230,038	230,038
PLUMBING SYSTEMS	4,383.6	0	0	0	448,572	448,572
MECHANICAL PIPING SYSTEMS	4,712.0	0	0	0	598,674	598,674
HEATING, VENTILATING & AIR CONDITIONING	9,254.4	0	0	0	982,362	982,362
CONTROLS	0.0	0	0	0	234,220	234,220
*** MECHANICAL ESTIMATED COST ***	19,124.8	0	0	0	2,561,757	2,561,757

EST NUMBER: WEBFEAS02  
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SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
MECHANICAL INSULATION SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
DOMESTIC WATER INSULATION	204.2	0	0	0	16,380	16,380
ROOF DRAINAGE INSULATION	21.6	0	0	0	2,177	2,177
HEAT PUMP LOOP INSULATION	437.0	0	0	0	40,487	40,487
HOT WATER INSULATION	112.0	0	0	0	8,847	8,847
*** MECHANICAL INSULATION ESTIMATED COST ***	774.8	0	0	0	67,891	67,891

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
DOMESTIC WATER INSULATION													
Domestic Water Insulation			QUANTITY:	2,120	Lin Ft								
2 1/2" Pipe & Fitting Insulation	40	Lin Ft	0.12	4.8	54.09	260	4.25	170	0	0	0	0	430
3" Pipe & Fitting Insulation	220	Lin Ft	0.12	26.4	37.43	988	4.32	950	0	0	0	0	1,938
1/2" Pipe & Fitting Insulation	500	Lin Ft	0.09	45.0	37.43	1,684	2.75	1,375	0	0	0	0	3,059
3/4" Pipe & Fitting Insulation	300	Lin Ft	0.09	27.0	37.43	1,011	2.75	825	0	0	0	0	1,836
1" Pipe & Fitting Insulation	400	Lin Ft	0.09	36.0	37.43	1,347	2.9	1,160	0	0	0	0	2,507
1 1/4" Pipe & Fitting Insulation	100	Lin Ft	0.09	9.0	37.43	337	3	300	0	0	0	0	637
1 1/2" Pipe & Fitting Insulation	500	Lin Ft	0.1	50.0	37.43	1,872	3.2	1,600	0	0	0	0	3,472
2" Pipe & Fitting Insulation	60	Lin Ft	0.1	6.0	37.43	225	3.4	204	0	0	0	0	429
Domestic Water Insulation				204.2		7,724		6,584		0		0	14,308
Total Subcontract Amount				204.2		0		0		0		14,308	14,308
SUB-TOTAL				204.2		0		0		0		14,308	14,308
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	1,145	1,145
SUB-TOTAL				204.2		0		0		0		15,453	15,453
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	927	927
*** DOMESTIC WATER INSULATION ESTIMATED COST ***				204.2		0		0		0		16,380	16,380
ROOF DRAINAGE INSULATION													
Storm Drainage Insulation			QUANTITY:	160	Lin Ft								
6" Pipe & Fitting Insulation	160	Lin Ft	0.135	21.6	37.43	808	6.84	1,094	0	0	0	0	1,902
Storm Drainage Insulation				21.6		808		1,094		0		0	1,902
Total Subcontract Amount				21.6		0		0		0		1,902	1,902
SUB-TOTAL				21.6		0		0		0		1,902	1,902
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	152	152
SUB-TOTAL				21.6		0		0		0		2,054	2,054

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	123	123
*** ROOF DRAINAGE INSULATION ESTIMATED COST ***				21.6		0		0		0		2,177	2,177
HEAT PUMP LOOP INSULATION													
Heat Pump Circulating Water Insulation			QUANTITY:	4,000	Lin Ft								
2 1/2" Pipe & Fitting Insulation	600	Lin Ft	0.12	72.0	54.09	3,894	4.25	2,550	0	0	0	0	6,444
3" Pipe & Fitting Insulation	260	Lin Ft	0.12	31.2	37.43	1,168	4.32	1,123	0	0	0	0	2,291
4" Pipe & Fitting Insulation	260	Lin Ft	0.12	31.2	37.43	1,168	5.65	1,469	0	0	0	0	2,637
6" Pipe & Fitting Insulation	40	Lin Ft	0.135	5.4	37.43	202	6.84	274	0	0	0	0	476
8" Pipe & Fitting Insulation	440	Lin Ft	0.16	70.4	37.43	2,635	10.88	4,787	0	0	0	0	7,422
1" Pipe & Fitting Insulation	140	Lin Ft	0.09	12.6	37.43	472	2.9	406	0	0	0	0	878
1 1/4" Pipe & Fitting Insulation	1,180	Lin Ft	0.09	106.2	37.43	3,975	3	3,540	0	0	0	0	7,515
1 1/2" Pipe & Fitting Insulation	60	Lin Ft	0.1	6.0	37.43	225	3.2	192	0	0	0	0	417
2" Pipe & Fitting Insulation	1,020	Lin Ft	0.1	102.0	37.43	3,818	3.4	3,468	0	0	0	0	7,286
Heat Pump Circulating Water Insulation				437.0		17,557		17,809	0	0	0	0	35,366
Total Subcontract Amount				437.0		0		0	0	0	0	35,366	35,366
SUB-TOTAL				437.0		0		0	0	0	0	35,366	35,366
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	2,829	2,829
SUB-TOTAL				437.0		0		0	0	0	0	38,195	38,195
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	2,292	2,292
*** HEAT PUMP LOOP INSULATION ESTIMATED COST ***				437.0		0		0		0		40,487	40,487
HOT WATER INSULATION													
Heating Hot Water Insulation			QUANTITY:	1,220	Lin Ft								
3" Pipe & Fitting Insulation	40	Lin Ft	0.12	4.8	37.43	180	4.32	173	0	0	0	0	353
3/4" Pipe & Fitting Insulation	680	Lin Ft	0.09	61.2	37.43	2,291	2.75	1,870	0	0	0	0	4,161
1" Pipe & Fitting Insulation	400	Lin Ft	0.09	36.0	37.43	1,347	2.9	1,160	0	0	0	0	2,507
1 1/2" Pipe & Fitting Insulation	40	Lin Ft	0.1	4.0	37.43	150	3.2	128	0	0	0	0	278
2" Pipe & Fitting Insulation	60	Lin Ft	0.1	6.0	37.43	225	3.4	204	0	0	0	0	429

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SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Heating Hot Water Insulation				112.0		4,193		3,535		0		0	7,728
Total Subcontract Amount				112.0		0		0		0		7,728	7,728
SUB-TOTAL				112.0		0		0		0		7,728	7,728
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	618	618
SUB-TOTAL				112.0		0		0		0		8,346	8,346
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	501	501
*** HOT WATER INSULATION ESTIMATED COST ***				112.0		0		0		0		8,847	8,847

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 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	DOLLARS TOTAL	MATERIAL DOLLARS UNIT	DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	DOLLARS TOTAL	TOTAL DOLLARS
FIRE PROTECTION Wet Pipe Sprinkler System	83,650	Each	0	0.0	0	0	0	0	0	0	2.75	230,038	230,038
*** FIRE PROTECTION ESTIMATED COST ***				0.0		0		0		0		230,038	230,038

EST NUMBER: WEBFEAS02  
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DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
PLUMBING SYSTEMS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
PLUMBING FIXTURES AND EQUIPMENT	2,394.5	0	0	0	236,464	236,464
DOMESTIC WATER SYSTEM	729.5	0	0	0	67,532	67,532
UNDERGROUND DRAIN, WASTE & VENT SYSTEM	266.7	0	0	0	35,947	35,947
ABOVEGROUND DRAIN, WASTE & VENT SYSTEM	162.2	0	0	0	13,305	13,305
UNDERGROUND STORM DRAINAGE SYSTEM	313.5	0	0	0	43,687	43,687
ABOVEGROUND STORM DRAINAGE SYSTEM	517.2	0	0	0	51,637	51,637
*** PLUMBING SYSTEMS ESTIMATED COST ***	4,383.6	0	0	0	448,572	448,572

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
PLUMBING FIXTURES AND EQUIPMENT													
Water Cooler			QUANTITY:	10 Each									
1/2" Pipe Copper B-88 Type L Hard	100	Lin Ft	0.06	6.0	54.09	325	1.155	116	0	0	0	0	441
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	100	Lin Ft	0.035	3.5	54.09	189	3.1317	313	0	0	0	0	502
2" Cast Iron Soil Pipe Hub Service Weight	50	Lin Ft	0.14	7.0	54.09	379	3.4749	174	0	0	0	0	553
1/2" 90 Degree Ell B-88 Copper	30	Each	0.41	12.3	54.09	665	0.8568	26	0	0	0	0	691
3/4" x 1/2" Reducing Tee B-88 Copper	10	Each	0.69	6.9	54.09	373	3.402	34	0	0	0	0	407
1/2" Cap B-88 Copper	20	Each	0.23	4.6	54.09	249	0.6258	13	0	0	0	0	262
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	10	Each	0.35	3.5	54.09	189	9.34	93	0	0	0	0	282
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	10	Each	0.6	6.0	54.09	325	12.88	129	0	0	0	0	454
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	10	Each	0.5	5.0	54.09	270	6.64	66	0	0	0	0	336
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	10	Each	0.96	9.6	54.09	519	20.84	208	0	0	0	0	727
2" x 1 1/2" Reducing Tap Tee Cast Iron Soil Pipe No Hub Service Weight	10	Each	1.29	12.9	54.09	698	7.32	73	0	0	0	0	771
Water Cooler	10	Each	4	40.0	54.09	2,164	450	4,500	0	0	0	0	6,664
Water Cooler				117.3		6,345		5,745	0		0		12,090
Total Subcontract Amount				117.3		0		0			12,090		12,090
Floor Drain - 3"			QUANTITY:	3 Each									
3" Cast Iron Soil Pipe Hub Service Weight	30	Lin Ft	0.18	5.4	54.09	292	4.7931	144	0	0	0	0	436
2" Cast Iron Soil Pipe Hub Service Weight	30	Lin Ft	0.14	4.2	54.09	227	3.4749	104	0	0	0	0	331
2" 1/4 Bend - Cast Iron Soil Pipe Hub Service Weight	6	Each	0.6	3.6	54.09	195	8.48	51	0	0	0	0	246
3" P Trap - Cast Iron Soil Pipe Hub Service Weight	3	Each	0.75	2.3	54.09	124	20.2	61	0	0	0	0	185
3" Floor Drain - Cast Iron Soil Pipe Hub Service Weight	3	Each	2.03	6.1	54.09	330	69.78	209	0	0	0	0	539
2" Tee - Cast Iron Soil Pipe Hub Service Weight	3	Each	0.77	2.3	54.09	124	11.88	36	0	0	0	0	160
4" x 3" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	3	Each	1.01	3.0	54.09	162	23	69	0	0	0	0	231
Floor Drain - 3"				26.9		1,454		674	0		0		2,128
Total Subcontract Amount				26.9		0		0	0		2,128		2,128



DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
2" Cast Iron Soil Pipe Hub Service Weight	20	Lin Ft	0.14	2.8	54.09	151	3.4749	69	0	0	0	0	220
1/2" 90 Degree Ell B-88 Copper	24	Each	0.41	9.8	54.09	530	0.8568	21	0	0	0	0	551
3/4" x 1/2" Reducing Tee B-88 Copper	8	Each	0.69	5.5	54.09	297	3.402	27	0	0	0	0	324
1/2" Cap B-88 Copper	16	Each	0.23	3.7	54.09	200	0.6258	10	0	0	0	0	210
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	4	Each	0.35	1.4	54.09	76	9.34	37	0	0	0	0	113
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	4	Each	0.6	2.4	54.09	130	12.88	52	0	0	0	0	182
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	4	Each	0.5	2.0	54.09	108	6.64	27	0	0	0	0	135
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	4	Each	0.96	3.8	54.09	206	20.84	83	0	0	0	0	289
2" x 1 1/2" Reducing Tap Tee Cast Iron Soil Pipe No Hub Service Weight	4	Each	1.29	5.2	54.09	281	7.32	29	0	0	0	0	310
Lavatory - Counter Mounted	4	Each	3	12.0	54.09	649	275	1,100	0	0	0	0	1,749
Lavatory - Counter Mounted				53.0		2,866		1,579		0		0	4,445
Total Subcontract Amount				53.0		0		0		0		4,445	4,445
Lavatory - Wall Hung			QUANTITY:		7 Each								
1/2" Pipe Copper B-88 Type L Hard	112	Lin Ft	0.06	6.7	54.09	362	1.155	129	0	0	0	0	491
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	28	Lin Ft	0.035	1.0	54.09	54	3.1317	88	0	0	0	0	142
2" Cast Iron Soil Pipe Hub Service Weight	35	Lin Ft	0.14	4.9	54.09	265	3.4749	122	0	0	0	0	387
1/2" 90 Degree Ell B-88 Copper	42	Each	0.41	17.2	54.09	930	0.8568	36	0	0	0	0	966
3/4" x 1/2" Reducing Tee B-88 Copper	14	Each	0.69	9.7	54.09	525	3.402	48	0	0	0	0	573
1/2" Cap B-88 Copper	28	Each	0.23	6.4	54.09	346	0.6258	18	0	0	0	0	364
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	7	Each	0.35	2.5	54.09	135	9.34	65	0	0	0	0	200
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	7	Each	0.6	4.2	54.09	227	12.88	90	0	0	0	0	317
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	7	Each	0.5	3.5	54.09	189	6.64	46	0	0	0	0	235
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	7	Each	0.96	6.7	54.09	362	20.84	146	0	0	0	0	508

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
2" x 1 1/2" Reducing Tap Tee Cast Iron Soil Pipe No Hub Service Weight	7	Each	1.29	9.0	54.09	487	7.32	51	0	0	0	0	538
Lavatory - Wall Hung	7	Each	3	21.0	54.09	1,136	300	2,100	0	0	0	0	3,236
Lavatory Carrier	7	Each	2	14.0	54.09	757	75	525	0	0	0	0	1,282
Lavatory - Wall Hung				106.8		5,775		3,464	0	0	0	0	9,239
Total Subcontract Amount				106.8		0		0	0	0	9,239	0	9,239
6" Roof Drain			QUANTITY:		8 Each								
6" Cast Iron Soil Pipe	40	Lin Ft	0.27	10.8	54.09	584	9.9021	396	0	0	0	0	980
No Hub Service Weight													
6" Long Sweep Bend	8	Each	1.26	10.1	54.09	546	39.83	319	0	0	0	0	865
Cast Iron Soil Pipe													
No Hub Service Weight													
6" Roof Drain Service Weight	8	Each	4.5	36.0	54.09	1,947	146.76	1,174	0	0	0	0	3,121
No Hub Cast Iron Soil Pipe													
6" Steel Clevis Hanger	16	Each	0.8	12.8	54.09	692	8.64	138	0	0	0	0	830
6" Roof Drain				69.7		3,769		2,027	0	0	0	0	5,796
Total Subcontract Amount				69.7		0		0	0	0	5,796	0	5,796
6" Roof Overflow Drain			QUANTITY:		8 Each								
6" Cast Iron Soil Pipe	40	Lin Ft	0.27	10.8	54.09	584	9.9021	396	0	0	0	0	980
No Hub Service Weight													
6" Long Sweep Bend	8	Each	1.26	10.1	54.09	546	39.83	319	0	0	0	0	865
Cast Iron Soil Pipe													
No Hub Service Weight													
6" Roof Drain Service Weight	8	Each	4.5	36.0	54.09	1,947	146.76	1,174	0	0	0	0	3,121
No Hub Cast Iron Soil Pipe													
6" Steel Clevis Hanger	16	Each	0.8	12.8	54.09	692	8.64	138	0	0	0	0	830
6" Roof Overflow Drain				69.7		3,769		2,027	0	0	0	0	5,796
Total Subcontract Amount				69.7		0		0	0	0	5,796	0	5,796
Shower			QUANTITY:		1 Each								
1/2" Pipe Copper B-88 Type L Hard	20	Lin Ft	0.06	1.2	54.09	65	1.155	23	0	0	0	0	88
1 1/2" Cast Iron Soil Pipe	10	Lin Ft	0.035	0.4	54.09	22	3.1317	31	0	0	0	0	53
No Hub Service Weight													
2" Cast Iron Soil Pipe	10	Lin Ft	0.14	1.4	54.09	76	3.4749	35	0	0	0	0	111
Hub Service Weight													
1/2" 90 Degree Ell B-88 Copper	6	Each	0.41	2.5	54.09	135	0.8568	5	0	0	0	0	140
1/2" 45 Degree Ell B-88 Copper	2	Each	0.41	0.8	54.09	43	1.575	3	0	0	0	0	46

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3/4" x 1/2" Reducing Tee B-88 Copper	2	Each	0.69	1.4	54.09	76	3.402	7	0	0	0	0	83
1/2" Adapter to Female (SPS) Copper B-88	2	Each	0.22	0.4	54.09	22	2.8518	6	0	0	0	0	28
1 1/2" 1/4 Bend - Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.3	0.3	54.09	16	4.4	4	0	0	0	0	20
2" 1/4 Bend - Cast Iron Soil Pipe Hub Service Weight	2	Each	0.6	1.2	54.09	65	8.48	17	0	0	0	0	82
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.35	0.4	54.09	22	9.34	9	0	0	0	0	31
2" P Trap - Cast Iron Soil Pipe Hub Service Weight	1	Each	0.65	0.7	54.09	38	13.52	14	0	0	0	0	52
2" Tee - Cast Iron Soil Pipe Hub Service Weight	1	Each	0.77	0.8	54.09	43	11.88	12	0	0	0	0	55
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	1	Each	0.96	1.0	54.09	54	20.84	21	0	0	0	0	75
1/2" Copper Plated Clevis Hanger	2	Each	0.5	1.0	54.09	54	1.98	4	0	0	0	0	58
1 1/2" Steel Clevis Hanger	1	Each	1.05	1.1	54.09	59	1.71	2	0	0	0	0	61
Shower	1	Each	8	8.0	54.09	433	400	400	0	0	0	0	833
Shower				22.6		1,223		593		0		0	1,816
Total Subcontract Amount				22.6		0		0		0		1,816	1,816
Emergency Shower & Eyewash Station			QUANTITY:		1 Each								
1" Pipe Copper B-88 Type L Hard	10	Lin Ft	0.08	0.8	54.09	43	2.87	29	0	0	0	0	72
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	10	Lin Ft	0.035	0.4	54.09	22	3.1317	31	0	0	0	0	53
2" Cast Iron Soil Pipe Hub Service Weight	10	Lin Ft	0.14	1.4	54.09	76	3.4749	35	0	0	0	0	111
1" 90 Degree Ell B-88 Copper	2	Each	0.58	1.2	54.09	65	4.7292	9	0	0	0	0	74
1" Union B-88 Copper	1	Each	0.65	0.7	54.09	38	19.803	20	0	0	0	0	58
1" Union Sweat to Female (SPS) Copper B-88	1	Each	0.75	0.8	54.09	43	62.3574	62	0	0	0	0	105
1 1/2" 1/4 Bend - Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.3	0.3	54.09	16	4.4	4	0	0	0	0	20
2" 1/4 Bend - Cast Iron Soil Pipe Hub Service Weight	2	Each	0.6	1.2	54.09	65	8.48	17	0	0	0	0	82
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.35	0.4	54.09	22	9.34	9	0	0	0	0	31
2" P Trap - Cast Iron Soil Pipe Hub Service Weight	1	Each	0.65	0.7	54.09	38	13.52	14	0	0	0	0	52
2" Tee - Cast Iron Soil Pipe Hub Service Weight	1	Each	0.77	0.8	54.09	43	11.88	12	0	0	0	0	55
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	1	Each	0.96	1.0	54.09	54	20.84	21	0	0	0	0	75

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1" 150# Ball Valve Sweat - Bronze	1	Each	0.65	0.7	54.09	38	5.99	6	0	0	0	0	44
1" Copper Plated Clevis Hanger w/Insulation Shield	1	Each	0.5	0.5	54.09	27	3.95	4	0	0	0	0	31
1 1/2" Steel Clevis Hanger	1	Each	1.05	1.1	54.09	59	1.71	2	0	0	0	0	61
Emergency Shower & Eye Wash Station	1	Each	10	10.0	54.09	541	600	600	0	0	0	0	1,141
Emergency Shower & Eyewash Station				22.0		1,190		875		0		0	2,065
Total Subcontract Amount				22.0		0		0		0		2,065	2,065
One Compartment Sink			QUANTITY:		5 Each								
1/2" Pipe Copper B-88 Type L Hard	100	Lin Ft	0.06	6.0	54.09	325	1.155	116	0	0	0	0	441
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	50	Lin Ft	0.035	1.8	54.09	97	3.1317	157	0	0	0	0	254
2" Cast Iron Soil Pipe Hub Service Weight	25	Lin Ft	0.14	3.5	54.09	189	3.4749	87	0	0	0	0	276
1/2" 90 Degree Ell B-88 Copper	40	Each	0.41	16.4	54.09	887	0.8568	34	0	0	0	0	921
3/4" x 1/2" Reducing Tee B-88 Copper	10	Each	0.69	6.9	54.09	373	3.402	34	0	0	0	0	407
1/2" Cap B-88 Copper	20	Each	0.23	4.6	54.09	249	0.6258	13	0	0	0	0	262
1 1/2" 1/4 Bend - Cast Iron Soil Pipe No Hub Service Weight	5	Each	0.3	1.5	54.09	81	4.4	22	0	0	0	0	103
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	5	Each	0.6	3.0	54.09	162	12.88	64	0	0	0	0	226
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	5	Each	0.5	2.5	54.09	135	6.64	33	0	0	0	0	168
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	5	Each	0.96	4.8	54.09	260	20.84	104	0	0	0	0	364
1 1/2" Tap Tee - Cast Iron Soil Pipe No Hub Service Weight	5	Each	0.84	4.2	54.09	227	8.12	41	0	0	0	0	268
Sink - 1 Compartment	5	Each	3	15.0	54.09	811	125	625	0	0	0	0	1,436
One Compartment Sink				70.2		3,796		1,330		0		0	5,126
Total Subcontract Amount				70.2		0		0		0		5,126	5,126
Classroom Sink			QUANTITY:		41 Each								
1/2" Pipe Copper B-88 Type L Hard	820	Lin Ft	0.06	49.2	54.09	2,661	1.155	947	0	0	0	0	3,608
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	410	Lin Ft	0.035	14.4	54.09	779	3.1317	1,284	0	0	0	0	2,063
2" Cast Iron Soil Pipe Hub Service Weight	205	Lin Ft	0.14	28.7	54.09	1,552	3.4749	712	0	0	0	0	2,264
1/2" 90 Degree Ell B-88 Copper	328	Each	0.41	134.5	54.09	7,275	0.8568	281	0	0	0	0	7,556

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3/4" x 1/2" Reducing Tee B-88 Copper	82	Each	0.69	56.6	54.09	3,061	3.402	279	0	0	0	0	3,340
1/2" Cap B-88 Copper	164	Each	0.23	37.7	54.09	2,039	0.6258	103	0	0	0	0	2,142
1 1/2" 1/4 Bend - Cast Iron Soil Pipe No Hub Service Weight	41	Each	0.3	12.3	54.09	665	4.4	180	0	0	0	0	845
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	41	Each	0.6	24.6	54.09	1,331	12.88	528	0	0	0	0	1,859
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	41	Each	0.5	20.5	54.09	1,109	6.64	272	0	0	0	0	1,381
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	41	Each	0.96	39.4	54.09	2,131	20.84	854	0	0	0	0	2,985
1 1/2" Tap Tee - Cast Iron Soil Pipe No Hub Service Weight	41	Each	0.84	34.4	54.09	1,861	8.12	333	0	0	0	0	2,194
Sink - Classroom	41	Each	3	123.0	54.09	6,653	125	5,125	0	0	0	0	11,778
Classroom Sink				575.3		31,117		10,898		0		0	42,015
Total Subcontract Amount				575.3		0		0		0		42,015	42,015
Hand Sink			QUANTITY:		1 Each								
1/2" Pipe Copper B-88 Type L Hard	20	Lin Ft	0.06	1.2	54.09	65	1.155	23	0	0	0	0	88
2" Cast Iron Soil Pipe Hub Service Weight	5	Lin Ft	0.14	0.7	54.09	38	3.4749	17	0	0	0	0	55
2" Cast Iron Soil Pipe No Hub Service Weight	10	Lin Ft	0.11	1.1	54.09	59	3.2136	32	0	0	0	0	91
1/2" 90 Degree Ell B-88 Copper	8	Each	0.41	3.3	54.09	178	0.8568	7	0	0	0	0	185
3/4" x 1/2" Reducing Tee B-88 Copper	2	Each	0.69	1.4	54.09	76	3.402	7	0	0	0	0	83
1/2" Adapter to Male (SPS) B-88 Copper	2	Each	0.22	0.4	54.09	22	1.7934	4	0	0	0	0	26
1 1/2" 1/4 Bend - Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.3	0.3	54.09	16	4.4	4	0	0	0	0	20
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.35	0.4	54.09	22	9.34	9	0	0	0	0	31
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	1	Each	0.6	0.6	54.09	32	12.88	13	0	0	0	0	45
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.5	0.5	54.09	27	6.64	7	0	0	0	0	34
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	1	Each	0.96	1.0	54.09	54	20.84	21	0	0	0	0	75
2" x 1 1/2" Reducing Tap Tee Cast Iron Soil Pipe No Hub Service Weight	1	Each	1.29	1.3	54.09	70	7.32	7	0	0	0	0	77
Hand Sink	1	Each	5	5.0	54.09	270	200	200	0	0	0	0	470

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS				
Hand Sink				17.2		929		351	0	0	1,280	
Total Subcontract Amount				17.2		0		0		1,280	1,280	
Mop Sink			QUANTITY:		5 Each							
1/2" Pipe Copper B-88 Type L Hard	100	Lin Ft	0.06	6.0	54.09	325	1.155	116	0	0	0	441
3" Cast Iron Soil Pipe	25	Lin Ft	0.18	4.5	54.09	243	4.7931	120	0	0	0	363
Hub Service Weight												
1 1/2" Cast Iron Soil Pipe	50	Lin Ft	0.035	1.8	54.09	97	3.1317	157	0	0	0	254
No Hub Service Weight												
2" Cast Iron Soil Pipe	25	Lin Ft	0.14	3.5	54.09	189	3.4749	87	0	0	0	276
Hub Service Weight												
1/2" 90 Degree Ell B-88 Copper	30	Each	0.41	12.3	54.09	665	0.8568	26	0	0	0	691
1" x 1/2" Reducing Tee B-88 Copper	10	Each	0.86	8.6	54.09	465	10.9704	110	0	0	0	575
1 1/2" 1/4 Bend - Cast Iron Soil Pipe	5	Each	0.3	1.5	54.09	81	4.4	22	0	0	0	103
No Hub Service Weight												
2" 1/4 Bend - Cast Iron Soil Pipe	10	Each	0.6	6.0	54.09	325	8.48	85	0	0	0	410
Hub Service Weight												
3" 1/8 Bend - Cast Iron Soil Pipe	5	Each	0.6	3.0	54.09	162	9.48	47	0	0	0	209
Hub Service Weight												
3" P Trap - Cast Iron Soil Pipe	5	Each	0.75	3.8	54.09	206	20.2	101	0	0	0	307
Hub Service Weight												
2" x 1 1/2" Reducing Tee	5	Each	0.5	2.5	54.09	135	6.64	33	0	0	0	168
Cast Iron Soil Pipe												
No Hub Service Weight												
3" x 2" Reducing Wye	5	Each	0.72	3.6	54.09	195	15.56	78	0	0	0	273
Cast Iron Soil Pipe												
Hub Service Weight												
4" x 3" Reducing Wye	5	Each	1.01	5.1	54.09	276	23	115	0	0	0	391
Cast Iron Soil Pipe												
Hub Service Weight												
Mop Sink	5	Each	6	30.0	54.09	1,623	450	2,250	0	0	0	3,873
Mop Sink				92.2		4,987		3,347	0	0	0	8,334
Total Subcontract Amount				92.2		0		0		8,334	8,334	
Scullery Sink			QUANTITY:		1 Each							
1/2" Pipe Copper B-88 Type L Hard	40	Lin Ft	0.06	2.4	54.09	130	1.155	46	0	0	0	176
2" Pipe Copper B-88 Type L Hard	6	Lin Ft	0.09	0.5	54.09	27	8.115	49	0	0	0	76
1/2" 90 Degree Ell B-88 Copper	12	Each	0.41	4.9	54.09	265	0.8568	10	0	0	0	275
2" 90 Degree Ell B-88 Copper	3	Each	0.8	2.4	54.09	130	20.3154	61	0	0	0	191
2" Tee B-88 Copper	3	Each	1.15	3.5	54.09	189	35.91	108	0	0	0	297
1" x 1/2" Reducing Tee B-88 Copper	4	Each	0.86	3.4	54.09	184	10.9704	44	0	0	0	228

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
2" Adapter to Male (SPS) B-88 Copper Scullery Sink	4	Each	0.44	1.8	54.09	97	22.428	90	0	0	0	0	187
Scullery Sink				24.9		1,347		908		0		0	2,255
Total Subcontract Amount				24.9		0		0		0		2,255	2,255
Miscellaneous Equipment			QUANTITY:		1 L Sum								
1 1/2" Hot Water Heater Hook Up	1	Each	2	2.0	54.09	108	50	50	0	0	0	0	158
2" Hot Water Heater Hook Up	1	Each	3	3.0	54.09	162	75	75	0	0	0	0	237
Wall Hydrant	5	Each	0.25	1.3	54.09	70	15	75	0	0	0	0	145
3" Water Meter	1	Hours	1.5	1.5	54.09	81	FBO	0	0	0	0	0	81
1 1/2" Water Meter	1	Each	0.75	0.8	54.09	43	FBO	0	0	0	0	0	43
Submersible Sump Pump	1	Each	4	4.0	54.09	216	500	500	0	0	0	0	716
Miscellaneous Equipment				12.6		680		700		0		0	1,380
Total Subcontract Amount				12.6		0		0		0		1,380	1,380
Trap Primer			QUANTITY:		1 Each								
1/2" Copper Pipe B-88 Type K Hard	15	Lin Ft	0.06	0.9	54.09	49	1.64	25	0	0	0	0	74
1/2" Pipe Copper B-88 Type L Hard	10	Lin Ft	0.06	0.6	54.09	32	1.155	12	0	0	0	0	44
1/2" 90 Degree Ell B-88 Copper	3	Each	0.41	1.2	54.09	65	0.8568	3	0	0	0	0	68
1" x 1/2" Reducing Tee B-88 Copper	1	Each	0.86	0.9	54.09	49	10.9704	11	0	0	0	0	60
1/2" Adapter to Male (SPS) B-88 Copper	2	Each	0.22	0.4	54.09	22	1.7934	4	0	0	0	0	26
Trap Primer	1	Each	1	1.0	54.09	54	35	35	0	0	0	0	89
Trap Primer				5.0		271		90		0		0	361
Total Subcontract Amount				5.0		0		0		0		361	361
Garbage Disposer			QUANTITY:		1 Each								
3/4" Pipe Copper B-88 Type L Hard	10	Lin Ft	0.06	0.6	54.09	32	1.825	18	0	0	0	0	50
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	3	Lin Ft	0.035	0.1	54.09	5	3.1317	9	0	0	0	0	14
2" Cast Iron Soil Pipe Hub Service Weight	8	Lin Ft	0.14	1.1	54.09	59	3.4749	28	0	0	0	0	87
3/4" 90 Degree Ell B-88 Copper	6	Each	0.47	2.8	54.09	151	1.9278	12	0	0	0	0	163

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3/4" Tee B-88 Copper	1	Each	0.68	0.7	54.09	38	3.5364	4	0	0	0	0	42
3/4" Cap B-88 Copper	2	Each	0.29	0.6	54.09	32	1.1634	2	0	0	0	0	34
1 1/2" 1/4 Bend - Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.3	0.3	54.09	16	4.4	4	0	0	0	0	20
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.35	0.4	54.09	22	9.34	9	0	0	0	0	31
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	1	Each	0.6	0.6	54.09	32	12.88	13	0	0	0	0	45
2" 1/8 Bend - Cast Iron Soil Pipe Hub Service Weight	1	Each	0.8	0.8	54.09	43	6.04	6	0	0	0	0	49
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.5	0.5	54.09	27	6.64	7	0	0	0	0	34
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	1	Each	0.96	1.0	54.09	54	20.84	21	0	0	0	0	75
2" Tap Tee - Cast Iron Soil Pipe No Hub Service Weight	1	Each	1.02	1.0	54.09	54	8.2	8	0	0	0	0	62
Garbage Disposer Hookup	1	Each	6	6.0	54.09	325	FBO	0	0	0	0	0	325
Garbage Disposer				16.5		890		141		0		0	1,031
Total Subcontract Amount				16.5		0		0		0		1,031	1,031
Urinal - Wall Hung			QUANTITY:		12 Each								
3/4" Pipe Copper B-88 Type L Hard	72	Lin Ft	0.06	4.3	54.09	233	1.825	131	0	0	0	0	364
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	36	Lin Ft	0.035	1.3	54.09	70	3.1317	113	0	0	0	0	183
2" Cast Iron Soil Pipe Hub Service Weight	96	Lin Ft	0.14	13.4	54.09	725	3.4749	334	0	0	0	0	1,059
3/4" 90 Degree Ell B-88 Copper	36	Each	0.47	16.9	54.09	914	1.9278	69	0	0	0	0	983
3/4" Tee B-88 Copper	12	Each	0.68	8.2	54.09	444	3.5364	42	0	0	0	0	486
3/4" Cap B-88 Copper	24	Each	0.29	7.0	54.09	379	1.1634	28	0	0	0	0	407
1 1/2" 1/4 Bend - Cast Iron Soil Pipe No Hub Service Weight	12	Each	0.3	3.6	54.09	195	4.4	53	0	0	0	0	248
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	12	Each	0.35	4.2	54.09	227	9.34	112	0	0	0	0	339
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	12	Each	0.6	7.2	54.09	389	12.88	155	0	0	0	0	544
2" 1/8 Bend - Cast Iron Soil Pipe Hub Service Weight	12	Each	0.8	9.6	54.09	519	6.04	72	0	0	0	0	591
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	12	Each	0.5	6.0	54.09	325	6.64	80	0	0	0	0	405

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	12	Each	0.96	11.5	54.09	622	20.84	250	0	0	0	0	872
2" Tap Tee - Cast Iron Soil Pipe No Hub Service Weight Urinal Carrier	12	Each	1.02	12.2	54.09	660	8.2	98	0	0	0	0	758
Urinal - Wall Hung w/Electronic Flush Control	12	Each	2	24.0	54.09	1,298	75	900	0	0	0	0	2,198
Urinal - Wall Hung	12	Each	4	48.0	54.09	2,596	375	4,500	0	0	0	0	7,096
Urinal - Wall Hung				177.4		9,596		6,937	0	0		0	16,533
Total Subcontract Amount				177.4		0		0	0	0		16,533	16,533
Wash Fountain - Single			QUANTITY:		5 Each								
1/2" Pipe Copper B-88 Type L Hard	80	Lin Ft	0.06	4.8	54.09	260	1.155	92	0	0	0	0	352
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	25	Lin Ft	0.035	0.9	54.09	49	3.1317	78	0	0	0	0	127
2" Cast Iron Soil Pipe Hub Service Weight	25	Lin Ft	0.14	3.5	54.09	189	3.4749	87	0	0	0	0	276
1/2" 90 Degree Ell B-88 Copper	30	Each	0.41	12.3	54.09	665	0.8568	26	0	0	0	0	691
3/4" x 1/2" Reducing Tee B-88 Copper	10	Each	0.69	6.9	54.09	373	3.402	34	0	0	0	0	407
1/2" Cap B-88 Copper	10	Each	0.23	2.3	54.09	124	0.6258	6	0	0	0	0	130
2" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	5	Each	0.6	3.0	54.09	162	12.88	64	0	0	0	0	226
1 1/2" 1/8 Bend - Cast Iron Soil Pipe No Hub Service Weight	5	Each	0.7	3.5	54.09	189	3.68	18	0	0	0	0	207
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	5	Each	0.5	2.5	54.09	135	6.64	33	0	0	0	0	168
4" x 2" Reducing Wye Cast Iron Soil Pipe Hub Service Weight	5	Each	0.96	4.8	54.09	260	20.84	104	0	0	0	0	364
Wash Fountain	5	Each	8	40.0	54.09	2,164	800	4,000	0	0	0	0	6,164
Wash Fountain - Single				84.5		4,570		4,542	0	0		0	9,112
Total Subcontract Amount				84.5		0		0	0	0		9,112	9,112
Water Closet & Flush Valve - Floor Mtd			QUANTITY:		7 Each								
1" Pipe Copper B-88 Type L Hard	35	Lin Ft	0.08	2.8	54.09	151	2.87	100	0	0	0	0	251
4" Cast Iron Soil Pipe Hub Service Weight	35	Lin Ft	0.23	8.1	54.09	438	6.2283	218	0	0	0	0	656
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	21	Lin Ft	0.035	0.7	54.09	38	3.1317	66	0	0	0	0	104
2" Cast Iron Soil Pipe Hub Service Weight	21	Lin Ft	0.14	2.9	54.09	157	3.4749	73	0	0	0	0	230

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1" 90 Degree Ell B-88 Copper	14	Each	0.58	8.1	54.09	438	4.7292	66	0	0	0	0	504
1" Tee B-88 Copper	7	Each	0.84	5.9	54.09	319	10.9326	77	0	0	0	0	396
1 1/4" x 1" Reducing Tee B-88 Copper	7	Each	0.96	6.7	54.09	362	16.1406	113	0	0	0	0	475
1" Cap B-88 Copper	14	Each	0.33	4.6	54.09	249	2.7594	39	0	0	0	0	288
2" 1/4 Bend - Cast Iron Soil Pipe Hub Service Weight	14	Each	0.6	8.4	54.09	454	8.48	119	0	0	0	0	573
4" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	7	Each	0.85	6.0	54.09	325	26.96	189	0	0	0	0	514
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	7	Each	0.35	2.5	54.09	135	9.34	65	0	0	0	0	200
4" x 2" Reducing Tee Cast Iron Soil Pipe Hub Service Weight	7	Each	1.26	8.8	54.09	476	20.04	140	0	0	0	0	616
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	7	Each	0.5	3.5	54.09	189	6.64	46	0	0	0	0	235
4" Wye - Cast Iron Soil Pipe Hub Service Weight	7	Each	1.53	10.7	54.09	579	26.84	188	0	0	0	0	767
4" Closet Flange	7	Each	0.5	3.5	54.09	189	6	42	0	0	0	0	231
Water Closet - Floor Set w/Electronic Flush Control	7	Each	3	21.0	54.09	1,136	250	1,750	0	0	0	0	2,886
Water Closet & Flush Valve - Floor Mtd				104.2		5,635		3,291	0		0		8,926
Total Subcontract Amount				104.2		0		0			8,926		8,926
10" Water Closet & Flush Valve - Flr Mtd			QUANTITY:		4 Each								
1" Pipe Copper B-88 Type L Hard	20	Lin Ft	0.08	1.6	54.09	87	2.87	57	0	0	0	0	144
4" Cast Iron Soil Pipe Hub Service Weight	20	Lin Ft	0.23	4.6	54.09	249	6.2283	125	0	0	0	0	374
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	12	Lin Ft	0.035	0.4	54.09	22	3.1317	38	0	0	0	0	60
2" Cast Iron Soil Pipe Hub Service Weight	12	Lin Ft	0.14	1.7	54.09	92	3.4749	42	0	0	0	0	134
1" 90 Degree Ell B-88 Copper	8	Each	0.58	4.6	54.09	249	4.7292	38	0	0	0	0	287
1" Tee B-88 Copper	4	Each	0.84	3.4	54.09	184	10.9326	44	0	0	0	0	228
1 1/4" x 1" Reducing Tee B-88 Copper	4	Each	0.96	3.8	54.09	206	16.1406	65	0	0	0	0	271
1" Cap B-88 Copper	8	Each	0.33	2.6	54.09	141	2.7594	22	0	0	0	0	163
2" 1/4 Bend - Cast Iron Soil Pipe Hub Service Weight	8	Each	0.6	4.8	54.09	260	8.48	68	0	0	0	0	328
4" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	4	Each	0.85	3.4	54.09	184	26.96	108	0	0	0	0	292

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	4	Each	0.35	1.4	54.09	76	9.34	37	0	0	0	0	113
4" x 2" Reducing Tee Cast Iron Soil Pipe Hub Service Weight	4	Each	1.26	5.0	54.09	270	20.04	80	0	0	0	0	350
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	4	Each	0.5	2.0	54.09	108	6.64	27	0	0	0	0	135
4" Wye - Cast Iron Soil Pipe Hub Service Weight	4	Each	1.53	6.1	54.09	330	26.84	107	0	0	0	0	437
4" Closet Flange	4	Each	0.5	2.0	54.09	108	6	24	0	0	0	0	132
10" High Water Closet & Flush Valve	4	Each	3	12.0	54.09	649	300	1,200	0	0	0	0	1,849
				59.4		3,215		2,082		0		0	5,297
10" Water Closet & Flush Valve - Flr Mtd				59.4		0		0		0		5,297	5,297
Total Subcontract Amount				59.4		0		0		0		5,297	5,297
Water Closet & Flush Valve - Wall Hung			QUANTITY:		28 Each								
1" Pipe Copper B-88 Type L Hard	140	Lin Ft	0.08	11.2	54.09	606	2.87	402	0	0	0	0	1,008
4" Cast Iron Soil Pipe Hub Service Weight	140	Lin Ft	0.23	32.2	54.09	1,742	6.2283	872	0	0	0	0	2,614
1 1/2" Cast Iron Soil Pipe No Hub Service Weight	84	Lin Ft	0.035	2.9	54.09	157	3.1317	263	0	0	0	0	420
1" 90 Degree Ell B-88 Copper	56	Each	0.58	32.5	54.09	1,758	4.7292	265	0	0	0	0	2,023
1" Tee B-88 Copper	28	Each	0.84	23.5	54.09	1,271	10.9326	306	0	0	0	0	1,577
1 1/4" x 1" Reducing Tee B-88 Copper	28	Each	0.96	26.9	54.09	1,455	16.1406	452	0	0	0	0	1,907
1" Cap B-88 Copper	56	Each	0.33	18.5	54.09	1,001	2.7594	155	0	0	0	0	1,156
4" Long Sweep Bend Cast Iron Soil Pipe Hub Service Weight	28	Each	0.85	23.8	54.09	1,287	26.96	755	0	0	0	0	2,042
1 1/2" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	28	Each	0.35	9.8	54.09	530	9.34	262	0	0	0	0	792
2" x 1 1/2" Reducing Tee Cast Iron Soil Pipe No Hub Service Weight	28	Each	0.5	14.0	54.09	757	6.64	186	0	0	0	0	943
4" Wye - Cast Iron Soil Pipe Hub Service Weight	28	Each	1.53	42.8	54.09	2,315	26.84	752	0	0	0	0	3,067
Closet Carrier	28	Each	2	56.0	54.09	3,029	125	3,500	0	0	0	0	6,529
Water Closet - Wall Hung w/Electronic Flush Control	28	Each	4	112.0	54.09	6,058	375	10,500	0	0	0	0	16,558
				406.1		21,966		18,670		0		0	40,636
Water Closet & Flush Valve - Wall Hung				406.1		0		0		0		40,636	40,636
Total Subcontract Amount				406.1		0		0		0		40,636	40,636

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
SUB-TOTAL				2,394.5		0		0		0		206,555	206,555
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	16,524	16,524
SUB-TOTAL				2,394.5		0		0		0		223,079	223,079
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	13,385	13,385
*** PLUMBING FIXTURES AND EQUIPMENT ESTIMATED COST ***				2,394.5		0		0		0		236,464	236,464
DOMESTIC WATER SYSTEM													
Domestic Water Mains & Distr. - Copper			QUANTITY:	2,620	Lin Ft								
2 1/2" Pipe Copper B-88 Type L Hard	40	Lin Ft	0.12	4.8	54.09	260	12.06	482	0	0	0	0	742
3" Pipe Copper B-88 Type L Hard	220	Lin Ft	0.14	30.8	54.09	1,666	16.185	3,561	0	0	0	0	5,227
1/2" Pipe Copper B-88 Type L Hard	1,000	Lin Ft	0.06	60.0	54.09	3,245	1.155	1,155	0	0	0	0	4,400
3/4" Pipe Copper B-88 Type L Hard	300	Lin Ft	0.06	18.0	54.09	974	1.825	548	0	0	0	0	1,522
1" Pipe Copper B-88 Type L Hard	400	Lin Ft	0.08	32.0	54.09	1,731	2.87	1,148	0	0	0	0	2,879
1 1/4" Pipe Copper B-88 Type L Hard	100	Lin Ft	0.08	8.0	54.09	433	4.03	403	0	0	0	0	836
1 1/2" Pipe Copper B-88 Type L Hard	500	Lin Ft	0.08	40.0	54.09	2,164	5.2	2,600	0	0	0	0	4,764
2" Pipe Copper B-88 Type L Hard	60	Lin Ft	0.09	5.4	54.09	292	8.115	487	0	0	0	0	779
2 1/2" 90 Degree Ell B-88 Copper	2	Each	1.38	2.8	54.09	151	40.6476	81	0	0	0	0	232
3" 90 Degree Ell B-88 Copper	9	Each	1.65	14.9	54.09	806	54.327	489	0	0	0	0	1,295
1/2" 90 Degree Ell B-88 Copper	16	Each	0.41	6.6	54.09	357	0.8568	14	0	0	0	0	371
3/4" 90 Degree Ell B-88 Copper	12	Each	0.47	5.6	54.09	303	1.9278	23	0	0	0	0	326
1" 90 Degree Ell B-88 Copper	16	Each	0.58	9.3	54.09	503	4.7292	76	0	0	0	0	579
1 1/4" 90 Degree Ell B-88 Copper	4	Each	0.67	2.7	54.09	146	7.1442	29	0	0	0	0	175
1 1/2" 90 Degree Ell B-88 Copper	20	Each	0.72	14.4	54.09	779	11.1426	223	0	0	0	0	1,002
2" 90 Degree Ell B-88 Copper	2	Each	0.8	1.6	54.09	87	20.3154	41	0	0	0	0	128
1/2" Tee B-88 Copper	24	Each	0.59	14.2	54.09	768	1.47	35	0	0	0	0	803
2 1/2" x 1 1/2" Reducing Tee B-88 Copper	1	Each	1.89	1.9	54.09	103	84.4578	84	0	0	0	0	187
2 1/2" x 1 1/4" Reducing Tee B-88 Copper	1	Each	1.89	1.9	54.09	103	84.4578	84	0	0	0	0	187
2 1/2" x 1" Reducing Tee B-88 Copper	1	Each	1.89	1.9	54.09	103	84.4578	84	0	0	0	0	187

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3" x 2" Reducing Tee B-88 Copper	4	Each	2.3	9.2	54.09	498	93.0342	372	0	0	0	0	870
3" x 1 1/2" Reducing Tee B-88 Copper	4	Each	2.3	9.2	54.09	498	93.0342	372	0	0	0	0	870
3" x 1 1/4" Reducing Tee B-88 Copper	4	Each	2.3	9.2	54.09	498	93.0342	372	0	0	0	0	870
3/4" x 1/2" Reducing Tee B-88 Copper	18	Each	0.69	12.4	54.09	671	3.402	61	0	0	0	0	732
1" x 3/4" Reducing Tee B-88 Copper	16	Each	0.86	13.8	54.09	746	10.9704	176	0	0	0	0	922
1" x 1/2" Reducing Tee B-88 Copper	8	Each	0.86	6.9	54.09	373	10.9704	88	0	0	0	0	461
1 1/4" x 1" Reducing Tee B-88 Copper	2	Each	0.96	1.9	54.09	103	16.1406	32	0	0	0	0	135
1 1/4" x 3/4" Reducing Tee B-88 Copper	2	Each	0.96	1.9	54.09	103	16.1406	32	0	0	0	0	135
1 1/4" x 1/2" Reducing Tee B-88 Copper	2	Each	0.96	1.9	54.09	103	16.1406	32	0	0	0	0	135
1 1/2" x 1" Reducing Tee B-88 Copper	10	Each	1.02	10.2	54.09	552	17.136	171	0	0	0	0	723
1 1/2" x 3/4" Reducing Tee B-88 Copper	10	Each	1.02	10.2	54.09	552	17.136	171	0	0	0	0	723
1 1/2" x 1/2" Reducing Tee B-88 Copper	10	Each	1.02	10.2	54.09	552	17.136	171	0	0	0	0	723
2" x 1 1/4" Reducing Tee B-88 Copper	1	Each	1.17	1.2	54.09	65	31.0422	31	0	0	0	0	96
2" x 1" Reducing Tee B-88 Copper	1	Each	1.17	1.2	54.09	65	14.24	14	0	0	0	0	79
2" x 3/4" Reducing Tee B-88 Copper	1	Each	1.17	1.2	54.09	65	27.1236	27	0	0	0	0	92
2 1/2" Coupling B-88 Copper	2	Each	1.37	2.7	54.09	146	21.6804	43	0	0	0	0	189
3" Coupling B-88 Copper	9	Each	1.62	14.6	54.09	790	32.6004	293	0	0	0	0	1,083
1/2" Coupling B-88 Copper	16	Each	0.41	6.6	54.09	357	0.651	10	0	0	0	0	367
3/4" Coupling B-88 Copper	12	Each	0.54	6.5	54.09	352	1.3062	16	0	0	0	0	368
1" Coupling B-88 Copper	16	Each	0.63	10.1	54.09	546	2.604	42	0	0	0	0	588
1 1/4" Coupling B-88 Copper	4	Each	0.71	2.8	54.09	151	4.6242	18	0	0	0	0	169
1 1/2" Coupling B-88 Copper	20	Each	0.74	14.8	54.09	801	6.111	122	0	0	0	0	923
2" Coupling B-88 Copper	2	Each	0.84	1.7	54.09	92	10.2144	20	0	0	0	0	112
2 1/2" x 2" Reducer B-88 Copper	1	Each	0.8	0.8	54.09	43	23.42	23	0	0	0	0	66
2 1/2" x 1 1/2" Reducer B-88 Copper	1	Each	0.8	0.8	54.09	43	23.42	23	0	0	0	0	66
3/4" x 1/2" Reducer B-88 Copper	6	Each	0.3	1.8	54.09	97	16.002	96	0	0	0	0	193
1" x 3/4" Reducer B-88 Copper	24	Each	0.33	7.9	54.09	427	21.5628	518	0	0	0	0	945
1 1/4" x 1" Reducer B-88 Copper	6	Each	0.4	2.4	54.09	130	32.466	195	0	0	0	0	325

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
1 1/2" x 1 1/4" Reducer B-88 Copper	30	Each	0.4	12.0	54.09	649	4.34	130	0	0	0	779
2" x 1 1/2" Reducer B-88 Copper	4	Each	0.6	2.4	54.09	130	8.4	34	0	0	0	164
2 1/2" 150# Gate Valve Sweat - Bronze	2	Each	1.5	3.0	54.09	162	86.48	173	0	0	0	335
3" 150# Gate Valve Sweat - Bronze	4	Each	1.39	5.6	54.09	303	126.35	505	0	0	0	808
4" 150# Gate Valve Sweat - Bronze	4	Each	2.65	10.6	54.09	573	196	784	0	0	0	1,357
3/4" 150# Gate Valve Sweat - Bronze	12	Each	0.56	6.7	54.09	362	10.71	129	0	0	0	491
1" 150# Gate Valve Sweat - Bronze	16	Each	0.66	10.6	54.09	573	14.45	231	0	0	0	804
1 1/4" 150# Gate Valve Sweat - Bronze	4	Each	0.75	3.0	54.09	162	24.19	97	0	0	0	259
1 1/2" 150# Gate Valve Sweat - Bronze	20	Each	0.61	12.2	54.09	660	23.41	468	0	0	0	1,128
2" 150# Gate Valve Sweat - Bronze	2	Each	0.95	1.9	54.09	103	38.5	77	0	0	0	180
2 1/2" Copper Plated Clevis Hanger w/Insulation Shield	4	Each	0.65	2.6	54.09	141	6.65	27	0	0	0	168
3" Copper Plated Clevis Hanger w/Insulation Shield	20	Each	0.65	13.0	54.09	703	7	140	0	0	0	843
1/2" Copper Plated Clevis Hanger w/Insulation Shield	200	Each	0.5	100.0	54.09	5,409	3.54	708	0	0	0	6,117
3/4" Copper Plated Clevis Hanger w/Insulation Shield	54	Each	0.5	27.0	54.09	1,460	5.01	271	0	0	0	1,731
1" Copper Plated Clevis Hanger w/Insulation Shield	56	Each	0.5	28.0	54.09	1,515	3.95	221	0	0	0	1,736
1 1/4" Copper Plated Clevis Hanger w/Insulation Shield	13	Each	0.5	6.5	54.09	352	4.13	54	0	0	0	406
1 1/2" Copper Plated Clevis Hanger w/Insulation Shield	60	Each	0.5	30.0	54.09	1,623	4.31	259	0	0	0	1,882
2" Copper Plated Clevis Hanger w/Insulation Shield	7	Each	0.5	3.5	54.09	189	4.56	32	0	0	0	221
Domestic Water Mains & Distr. - Copper				729.5		39,462		19,528		0		58,990
Total Subcontract Amount				729.5		0		0		0		58,990
SUB-TOTAL				729.5		0		0		0		58,990
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	4,719
SUB-TOTAL				729.5		0		0		0		63,709
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	3,823
*** DOMESTIC WATER SYSTEM ESTIMATED COST ***				729.5		0		0		0		67,532





DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3" Wye - Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.81	0.8	54.09	43	8.84	9	0	0	0	0	52
4" Wye - Cast Iron Soil Pipe No Hub Service Weight	1	Each	1.2	1.2	54.09	65	14.4	14	0	0	0	0	79
1 1/2" Wye - Cast Iron Soil Pipe No Hub Service Weight	3	Each	0.42	1.3	54.09	70	6.2	19	0	0	0	0	89
2" Wye - Cast Iron Soil Pipe No Hub Service Weight	2	Each	0.54	1.1	54.09	59	6.2	12	0	0	0	0	71
3" x 2" Reducing Wye Cast Iron Soil Pipe No Hub Service Weight	3	Each	0.72	2.2	54.09	119	6.64	20	0	0	0	0	139
4" x 3" Reducing Wye Cast Iron Soil Pipe No Hub Service Weight	1	Each	1.01	1.0	54.09	54	12.56	13	0	0	0	0	67
4" x 2" Reducing Wye Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.96	1.0	54.09	54	9.24	9	0	0	0	0	63
2" x 1 1/2" Reducing Wye Cast Iron Soil Pipe No Hub Service Weight	2	Each	0.41	0.8	54.09	43	4	8	0	0	0	0	51
3" Wye & 1/8 Bend Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.84	0.8	54.09	43	10.68	11	0	0	0	0	54
4" Wye & 1/8 Bend Cast Iron Soil Pipe No Hub Service Weight	1	Each	1.16	1.2	54.09	65	20.56	21	0	0	0	0	86
1 1/2" Wye & 1/8 Bend Cast Iron Soil Pipe No Hub Service Weight	2	Each	0.44	0.9	54.09	49	6.6	13	0	0	0	0	62
2" Wye & 1/8 Bend Cast Iron Soil Pipe No Hub Service Weight	2	Each	0.82	1.6	54.09	87	7.04	14	0	0	0	0	101
3" x 2" Reducer Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.27	0.3	54.09	16	3.36	3	0	0	0	0	19
4" x 3" Reducer Cast Iron Soil Pipe No Hub Service Weight	1	Each	0.37	0.4	54.09	22	5.2	5	0	0	0	0	27
2" x 1 1/2" Reducer Cast Iron Soil Pipe No Hub Service Weight	2	Each	0.33	0.7	54.09	38	3.44	7	0	0	0	0	45
3" Steel Clevis Hanger	14	Each	0.65	9.1	54.09	492	4.17	58	0	0	0	0	550
4" Steel Clevis Hanger	6	Each	0.7	4.2	54.09	227	5.04	30	0	0	0	0	257
1 1/2" Steel Clevis Hanger	15	Each	1.05	15.8	54.09	855	1.71	26	0	0	0	0	881
2" Steel Clevis Hanger	23	Each	1.05	24.2	54.09	1,309	2.04	47	0	0	0	0	1,356
AG Sanitary DWV Mains & Distribution Total Subcontract Amount				162.2		8,771		2,851		0		0	11,622
				162.2		0		0		0		11,622	11,622
SUB-TOTAL				162.2		0		0		0		11,622	11,622



DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
8" x 6" Reducer Cast Iron Soil Pipe Hub Service Weight	1	Each	1.01	1.0	54.09	54	37.36	37	0	0	0	0	91
10" x 8" Reducer Cast Iron Soil Pipe Hub Service Weight	3	Each	1.4	4.2	54.09	227	61.44	184	0	0	0	0	411
12" x 10" Reducer Cast Iron Soil Pipe Hub Service Weight	1	Each	1.68	1.7	54.09	92	99.96	100	0	0	0	0	192
Excavation & Backfill	320	Lin Ft	0	0.0	0	0	0	0	0	0	12	3,840	3,840
UG Storm Drainage Mains & Distribution				313.5	16,956	17,365	0	3,840	38,161	38,161			
Total Subcontract Amount				313.5	0	0	0	3,840	38,161	38,161			
SUB-TOTAL				313.5	0	0	0	3,840	38,161	38,161			
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	3,053	3,053
SUB-TOTAL				313.5	0	0	0	0	41,214	41,214			
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	2,473	2,473
*** UNDERGROUND STORM DRAINAGE SYSTEM ESTIMATED COST ***				313.5	0	0	0	0	43,687	43,687			

ABOVEGROUND STORM DRAINAGE SYSTEM

DESCRIPTION	QUANTITY:	UNIT	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
AG Storm Drainage Mains & Distribution	870	Lin Ft											
6" Cast Iron Soil Pipe No Hub Service Weight	480	Lin Ft	0.27	129.6	54.09	7,010	9,9021	4,753	0	0	0	0	11,763
8" Cast Iron Soil Pipe No Hub Service Weight	390	Lin Ft	0.38	148.2	54.09	8,016	15,4206	6,014	0	0	0	0	14,030
6" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	10	Each	1.26	12.6	54.09	682	39.83	398	0	0	0	0	1,080
8" Long Sweep Bend Cast Iron Soil Pipe No Hub Service Weight	8	Each	1.58	12.6	54.09	682	21	168	0	0	0	0	850
6" 1/8 Bend - Cast Iron Soil Pipe No Hub Service Weight	19	Each	1.08	20.5	54.09	1,109	16.28	309	0	0	0	0	1,418
8" 1/8 Bend - Cast Iron Soil Pipe No Hub Service Weight	16	Each	1.26	20.2	54.09	1,093	46.96	751	0	0	0	0	1,844
6" Tee - Cast Iron Soil Pipe No Hub Service Weight	10	Each	1.65	16.5	54.09	892	36.52	365	0	0	0	0	1,257
8" Tee - Cast Iron Soil Pipe No Hub Service Weight	8	Each	2.26	18.1	54.09	979	148.16	1,185	0	0	0	0	2,164
6" Wye - Cast Iron Soil Pipe No Hub Service Weight	5	Each	1.7	8.5	54.09	460	38.44	192	0	0	0	0	652
8" Wye - Cast Iron Soil Pipe No Hub Service Weight	4	Each	2.1	8.4	54.09	454	90.6	362	0	0	0	0	816
6" x 4" Reducing Wye Cast Iron Soil Pipe No Hub Service Weight	5	Each	1.54	7.7	54.09	416	30.08	150	0	0	0	0	566

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 103

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
6" x 3" Reducing Wye Cast Iron Soil Pipe No Hub Service Weight	5	Each	1.49	7.5	54.09	406	29.2	146	0	0	0	0	552
8" x 6" Reducing Wye Cast Iron Soil Pipe No Hub Service Weight	4	Each	1.82	7.3	54.09	395	63.6	254	0	0	0	0	649
8" x 4" Reducing Wye Cast Iron Soil Pipe No Hub Service Weight	4	Each	1.72	6.9	54.09	373	51.68	207	0	0	0	0	580
6" Wye & 1/8 Bend Cast Iron Soil Pipe No Hub Service Weight	5	Each	1.82	9.1	54.09	492	58.92	295	0	0	0	0	787
8" Wye & 1/8 Bend Cast Iron Soil Pipe No Hub Service Weight	4	Each	2.33	9.3	54.09	503	135.04	540	0	0	0	0	1,043
6" x 4" Reducer Cast Iron Soil Pipe No Hub Service Weight	5	Each	0.91	4.6	54.09	249	13.92	70	0	0	0	0	319
6" Steel Clevis Hanger	48	Each	0.8	38.4	54.09	2,077	8.64	415	0	0	0	0	2,492
8" Steel Clevis Hanger	39	Each	0.8	31.2	54.09	1,688	14.25	556	0	0	0	0	2,244
AG Storm Drainage Mains & Distribution				517.2		27,976		17,130		0		0	45,106
Total Subcontract Amount				517.2		0		0		0		45,106	45,106
SUB-TOTAL				517.2		0		0		0		45,106	45,106
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	3,608	3,608
SUB-TOTAL				517.2		0		0		0		48,714	48,714
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	2,923	2,923
*** ABOVEGROUND STORM DRAINAGE SYSTEM ESTIMATED COST ***				517.2		0		0		0		51,637	51,637

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
MECHANICAL PIPING SYSTEMS SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 104

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
MECHANICAL EQUIPMENT	991.2	0	0	0	244,613	244,613
CONDENSATE DRAIN SYSTEM	407.5	0	0	0	27,174	27,174
NATURAL GAS SYSTEM	32.6	0	0	0	2,580	2,580
HEAT LOOP SYSTEM	2,870.3	0	0	0	290,117	290,117
HOT WATER SYSTEM	410.4	0	0	0	34,190	34,190
*** MECHANICAL PIPING SYSTEMS ESTIMATED COST ***	4,712.0	0	0	0	598,674	598,674

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
MECHANICAL EQUIPMENT													
Hot Water Boilers			QUANTITY:	1 Each									
Hot Water Boiler - 750,000 MBH Input	1	Each	24	24.0	54.09	1,298	7,500	7,500	0	0	0	0	8,798
Hot Water Boilers				24.0		1,298		7,500	0		0		8,798
Total Subcontract Amount				24.0		0		0			8,798		8,798
Expansion Tank - 60 Gallon			QUANTITY:	3 Each									
1/2" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	30	Lin Ft	0.05	1.5	54.09	81	1.14	34	0	0	0	0	115
1" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	30	Lin Ft	0.07	2.1	54.09	114	1.959	59	0	0	0	0	173
1/2" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	12	Each	0.51	6.1	54.09	330	0.8325	10	0	0	0	0	340
1" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	9	Each	0.86	7.7	54.09	416	1.7475	16	0	0	0	0	432
1/2" Tee - Screwed A-197 Malleable Iron 150# - Black	6	Each	0.74	4.4	54.09	238	1.1125	7	0	0	0	0	245
1/2" Union Screwed to Iron Seat A-197 Malleable Iron 150# - Black	9	Each	0.4	3.6	54.09	195	3.6825	33	0	0	0	0	228
1" Union Screwed to Iron Seat A-197 Malleable Iron 150# - Black	3	Each	0.52	1.6	54.09	87	5.5175	17	0	0	0	0	104
1/2" 150# Ball Valve Screwed - Bronze	9	Each	0.54	4.9	54.09	265	8.97	81	0	0	0	0	346
1/2" Steel Clevis Hanger w/Insulation Shield	6	Each	0.66	4.0	54.09	216	5.01	30	0	0	0	0	246
1" Steel Clevis Hanger w/Insulation Shield	3	Each	0.66	2.0	54.09	108	5.53	17	0	0	0	0	125
Expansion Tank - 60 Gallon	3	Each	3	9.0	54.09	487	700	2,100	0	0	0	0	2,587
60 Gallon Expansion Tank Hanger	6	Each	2	12.0	54.09	649	10	60	0	0	0	0	709
1/2" Make-up Valve	3	Each	0.5	1.5	54.09	81	40	120	0	0	0	0	201
Tank Trol	3	Each	0.5	1.5	54.09	81	22	66	0	0	0	0	147
Expansion Tank - 60 Gallon				61.9		3,348		2,650	0		0		5,998
Total Subcontract Amount				61.9		0		0			5,998		5,998
In-Line Pump - 1" Solder Connection			QUANTITY:	1 Each									
1/2" Pipe Copper B-88 Type L Hard	2	Lin Ft	0.06	0.1	54.09	5	1.155	2	0	0	0	0	7
1" Pipe Copper B-88 Type L Hard	5	Lin Ft	0.08	0.4	54.09	22	2.87	14	0	0	0	0	36
1/2" 90 Degree Ell B-88 Copper	4	Each	0.41	1.6	54.09	87	0.8568	3	0	0	0	0	90
3/4" 90 Degree Ell B-88 Copper	1	Each	0.47	0.5	54.09	27	1.9278	2	0	0	0	0	29

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1/2" Tee B-88 Copper	1	Each	0.59	0.6	54.09	32	1.47	1	0	0	0	0	33
1/2" Adapter to Female (SPS) Copper B-88	1	Each	0.22	0.2	54.09	11	2.8518	3	0	0	0	0	14
1" Adapter to Male (SPS) B-88 Copper	2	Each	0.29	0.6	54.09	32	7.791	16	0	0	0	0	48
1/2" Union B-88 Copper	1	Each	0.41	0.4	54.09	22	9.3576	9	0	0	0	0	31
1" Union B-88 Copper	2	Each	0.65	1.3	54.09	70	19.803	40	0	0	0	0	110
1" 150# Check Valve Sweat - Bronze	1	Each	0.66	0.7	54.09	38	19	19	0	0	0	0	57
1/2" 150# Ball Valve Sweat - Bronze	2	Each	0.19	0.4	54.09	22	4.34	9	0	0	0	0	31
1" 150# Ball Valve Sweat - Bronze	1	Each	0.65	0.7	54.09	38	5.99	6	0	0	0	0	44
1" 150# Strainer Valve Sweat - Bronze	1	Each	0.85	0.9	54.09	49	48.72	49	0	0	0	0	98
1" Copper Plated Clevis Hanger w/Insulation Shield	2	Each	0.5	1.0	54.09	54	3.95	8	0	0	0	0	62
1" Balance & Shutoff Valve	1	Each	0.95	1.0	54.09	54	33	33	0	0	0	0	87
In-Line Pump - 1"	1	Each	4	4.0	54.09	216	125	125	0	0	0	0	341
Pressure Gauge	1	Each	0.5	0.5	54.09	27	50	50	0	0	0	0	77
In-Line Pump - 1" Solder Connection				14.9		806		389		0		0	1,195
Total Subcontract Amount				14.9		0		0		0		1,195	1,195
In-Line Pump - 1 1/4" Solder Connection			QUANTITY:		2 Each								
1/2" Pipe Copper B-88 Type L Hard	4	Lin Ft	0.06	0.2	54.09	11	1.155	5	0	0	0	0	16
1 1/4" Pipe Copper B-88 Type L Hard	10	Lin Ft	0.08	0.8	54.09	43	4.03	40	0	0	0	0	83
1/2" 90 Degree Ell B-88 Copper	8	Each	0.41	3.3	54.09	178	0.8568	7	0	0	0	0	185
1/2" Tee B-88 Copper	2	Each	0.59	1.2	54.09	65	1.47	3	0	0	0	0	68
1/2" Adapter to Female (SPS) Copper B-88	2	Each	0.22	0.4	54.09	22	2.8518	6	0	0	0	0	28
1 1/4" Adapter to Male (SPS) B-88 Copper	4	Each	0.35	1.4	54.09	76	11.5374	46	0	0	0	0	122
1/2" Union B-88 Copper	2	Each	0.41	0.8	54.09	43	9.3576	19	0	0	0	0	62
1 1/4" Union B-88 Copper	4	Each	0.71	2.8	54.09	151	32.865	131	0	0	0	0	282
1 1/4" 150# Check Valve Sweat - Bronze	2	Each	0.74	1.5	54.09	81	24.7	49	0	0	0	0	130
1/2" 150# Ball Valve Sweat - Bronze	4	Each	0.19	0.8	54.09	43	4.34	17	0	0	0	0	60
1 1/4" 150# Ball Valve Sweat - Bronze	2	Each	0.56	1.1	54.09	59	10.07	20	0	0	0	0	79
1 1/4" 150# Strainer Valve Sweat Bronze	2	Each	1	2.0	54.09	108	39.2	78	0	0	0	0	186

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1 1/4" Copper Plated Clevis Hanger w/Insulation Shield	4	Each	0.5	2.0	54.09	108	4.13	17	0	0	0	0	125
1 1/4" Balance & Shutoff Valve	2	Each	1.1	2.2	54.09	119	49	98	0	0	0	0	217
In-Line Pump - 1 1/4"	2	Each	4	8.0	54.09	433	200	400	0	0	0	0	833
Pressure Gauge	2	Each	0.5	1.0	54.09	54	50	100	0	0	0	0	154
In-Line Pump - 1 1/4" Solder Connection				29.5		1,594		1,036	0			0	2,630
Total Subcontract Amount				29.5		0		0				2,630	2,630
Heat Exchangers - Plate & Frame			QUANTITY:		1 Each								
Heat Exchanger - Plate & Frame 550 GPM High Side	1	Each	32	32.0	54.09	1,731	5,000	5,000	0	0	0	0	6,731
Heat Exchangers - Plate & Frame				32.0		1,731		5,000	0			0	6,731
Total Subcontract Amount				32.0		0		0				6,731	6,731
Heat Pumps			QUANTITY:		66 Each								
Heat Pump - 2 Ton w/Hangers & Isolators	33	Each	5	165.0	50.04	8,257	1,307	43,131	0	0	0	0	51,388
Heat Pump - 4 Ton w/Hangers & Isolators	15	Each	7	105.0	50.04	5,254	1,774	26,610	0	0	0	0	31,864
Heat Pump - 5 Ton w/Hangers & Isolators	9	Each	8	72.0	50.04	3,603	1,985	17,865	0	0	0	0	21,468
Heat Pumps				342.0		17,114		87,606	0			0	104,720
Total Subcontract Amount				342.0		0		0				104,720	104,720
End Suction Pump - 8" Welded			QUANTITY:		4 Each								
8" A-53 Carbon Steel Pipe Plain End - Welded	64	Lin Ft	0.35	22.4	54.09	1,212	20.862	1,335	0	0	0	0	2,547
Schedule 40/Standard Weight 1/2" A-53 Carbon Steel Pipe Threaded & Coupled - Welded	16	Lin Ft	0.05	0.8	54.09	43	1.14	18	0	0	0	0	61
Schedule 40/Standard Weight 1/2" 3000# Thread-O-Let A-181 Forged Steel	8	Each	0.75	6.0	54.09	325	3.968	32	0	0	0	0	357
3/4" 3000# Thread-O-Let A-181 Forged Steel	4	Each	0.85	3.4	54.09	184	4.572	18	0	0	0	0	202
4" 150# Weld Neck Flange Raised Face A-181 Forged Steel	4	Each	3.59	14.4	54.09	779	26.6	106	0	0	0	0	885
6" 150# Weld Neck Flange Raised Face A-181 Forged Steel	4	Each	4.28	17.1	54.09	925	20.17	81	0	0	0	0	1,006
8" 150# Weld Neck Flange Raised Face A-181 Forged Steel	16	Each	5.3	84.8	54.09	4,587	71.75	1,148	0	0	0	0	5,735
8" 90 Degree Ell A-234 Carbon Steel Schedule 40/Standard Weight Butt Weld	8	Each	8.12	65.0	54.09	3,516	117.475	940	0	0	0	0	4,456
8" x 6" Reducer A-234 Carbon Steel Schedule 40/Standard Weight Butt Weld	4	Each	6.69	26.8	54.09	1,450	64.23	257	0	0	0	0	1,707

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
8" x 4" Reducer A-234 Carbon Steel Schedule 40/Standard Weight Butt Weld	4	Each	6.69	26.8	54.09	1,450	82.645	331	0	0	0	0	1,781
1/2" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	8	Each	0.51	4.1	54.09	222	0.8325	7	0	0	0	0	229
3/4" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	8	Each	0.69	5.5	54.09	297	1.0075	8	0	0	0	0	305
1/2" Tee - Screwed A-197 Malleable Iron 150# - Black	4	Each	0.74	3.0	54.09	162	1.1125	4	0	0	0	0	166
1/2" x 3/8" Reducer - Screwed A-197 Malleable Iron 150# - Black	4	Each	0.45	1.8	54.09	97	1.3525	5	0	0	0	0	102
1/2" Union Screwed to Iron Seat A-197 Malleable Iron 150# - Black	8	Each	0.4	3.2	54.09	173	3.6825	29	0	0	0	0	202
1/2" 150# Ball Valve Screwed - Bronze	8	Each	0.54	4.3	54.09	233	8.97	72	0	0	0	0	305
3/4" 150# Ball Valve Screwed - Bronze	4	Each	0.72	2.9	54.09	157	14.8	59	0	0	0	0	216
8" 150# Butterfly Valve Cast Iron Flanged	4	Each	2.8	11.2	54.09	606	720	2,880	0	0	0	0	3,486
4" 150# BN&G Set - A-193-B7 Studs, A-194-2H Nuts & 1/16" Composition Gasket	4	Each	1.25	5.0	54.09	270	10.01	40	0	0	0	0	310
6" 150# BN&G Set - A-193-B7 Studs, A-194-2H Nuts & 1/16" Composition Gasket	4	Each	1.25	5.0	54.09	270	13.87	55	0	0	0	0	325
8" 150# BN&G Set - A-193-B7 Studs, A-194-2H Nuts & 1/16" Composition Gasket	24	Each	1.25	30.0	54.09	1,623	16.21	389	0	0	0	0	2,012
Triple Duty Valve - 8"	4	Each	4	16.0	54.09	865	3,120	12,480	0	0	0	0	13,345
Flexible Connection - 8"	8	Each	2	16.0	54.09	865	300	2,400	0	0	0	0	3,265
8" End Suction Pump	4	Each	8	32.0	54.09	1,731	4,500	18,000	0	0	0	0	19,731
Pressure Gauge	4	Each	0.5	2.0	54.09	108	50	200	0	0	0	0	308
Suction Diffuser - 8"	4	Each	4	16.0	54.09	865	2,000	8,000	0	0	0	0	8,865
Thermometer	4	Each	0.5	2.0	54.09	108	50	200	0	0	0	0	308
End Suction Pump - 8" Welded				427.5		23,123		49,094	0		0		72,217
Total Subcontract Amount				427.5		0		0			72,217		72,217
Rolairtrol Unit - 3"			QUANTITY:		1 Each								
3" 150# Weld Neck Flange Raised Face A-181 Forged Steel	2	Each	2.49	5.0	54.09	270	22.4	45	0	0	0	0	315
3" 150# Butterfly Valve Cast Iron Flanged	2	Each	1.1	2.2	54.09	119	129.36	259	0	0	0	0	378
3" 150# BN&G Set - A-193-B7 Studs, A-194-2H Nuts & 1/16" Composition Gasket	4	Each	0.75	3.0	54.09	162	6.29	25	0	0	0	0	187
Rolairtrol - 3"	1	Each	3	3.0	54.09	162	900	900	0	0	0	0	1,062
Rolairtrol Unit - 3"				13.2		713		1,229	0		0		1,942
Total Subcontract Amount				13.2		0		0			1,942		1,942

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT TOTAL	MATERIAL DOLLARS UNIT TOTAL	EQUIPMENT DOLLARS UNIT TOTAL	SUBCONTRACT DOLLARS UNIT TOTAL	TOTAL DOLLARS				
Rolairtrol Unit - 8"			QUANTITY:		1 Each								
8" 150# Weld Neck Flange Raised Face A-181 Forged Steel	2	Each	5.3	10.6	54.09	573	71.75	144	0	0	0	0	717
8" 150# Butterfly Valve Cast Iron Flanged	2	Each	2.8	5.6	54.09	303	720	1,440	0	0	0	0	1,743
8" 150# BN&G Set - A-193-B7 Studs, A-194-2H Nuts & 1/16" Composition Gasket	4	Each	1.25	5.0	54.09	270	16.21	65	0	0	0	0	335
Rolairtrol - 8"	1	Each	8	8.0	54.09	433	4,400	4,400	0	0	0	0	4,833
				29.2		1,579		6,049	0		0		7,628
Rolairtrol Unit - 8" Total Subcontract Amount				29.2		0		0		7,628			7,628
Miscellaneous Equipment			QUANTITY:		1 L Sum								
Generator Hook Up	1	Each	2	2.0	54.09	108	50	50	0	0	0	0	158
8" Plate & Frame Heat Exchanger Hook Up	1	Each	3	3.0	54.09	162	45	45	0	0	0	0	207
Hot Water Heaters	2	Each	6	12.0	54.09	649	400	800	0	0	0	0	1,449
				17.0		919		895	0		0		1,814
Miscellaneous Equipment Total Subcontract Amount				17.0		0		0		1,814			1,814
SUB-TOTAL				991.2		0		0		213,673			213,673
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	17,094	17,094
SUB-TOTAL				991.2		0		0		230,767			230,767
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	13,846	13,846
*** MECHANICAL EQUIPMENT ESTIMATED COST ***				991.2		0		0		244,613			244,613
CONDENSATE DRAIN SYSTEM													
Coil Condensate - Mains (PVC)			QUANTITY:		490 Lin Ft								
1 1/2" PVC DWV Pipe - Plain End Schedule 40	360	Lin Ft	0.04	14.4	54.09	779	0.62	223	0	0	0	0	1,002
2" PVC DWV Pipe - Plain End Schedule 40	130	Lin Ft	0.05	6.5	54.09	352	0.81	105	0	0	0	0	457
1 1/2" 1/8 Bend Standard Weight PVC Solvent Weld	7	Each	0.3	2.1	54.09	114	0.7245	5	0	0	0	0	119
2" 1/8 Bend - PVC Solvent Weld Standard Weight	3	Each	0.36	1.1	54.09	59	1.035	3	0	0	0	0	62
1 1/2" Wye - PVC Solvent Weld Standard Weight	18	Each	0.6	10.8	54.09	584	2.0385	37	0	0	0	0	621
2" Wye - PVC Solvent Weld Standard Weight	3	Each	0.6	1.8	54.09	97	2.385	7	0	0	0	0	104
2" x 1 1/2" Reducing Wye Standard Weight PVC Solvent Weld	7	Each	0.85	6.0	54.09	325	2.934	21	0	0	0	0	346

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1 1/2" Plug - PVC Solvent Weld Standard Weight	14	Each	0.04	0.6	54.09	32	0.648	9	0	0	0	0	41
2" Plug - PVC Solvent Weld Standard Weight	3	Each	0.25	0.8	54.09	43	0.6615	2	0	0	0	0	45
1 1/2" Steel Clevis Hanger	58	Each	1.05	60.9	54.09	3,294	5.31	308	0	0	0	0	3,602
2" Steel Clevis Hanger	18	Each	1.05	18.9	54.09	1,022	5.4	97	0	0	0	0	1,119
Coil Condensate - Mains (PVC)				123.9		6,701		817	0		0		7,518
Total Subcontract Amount				123.9		0		0			7,518		7,518
Coil Condensate - Hookups (PVC)			QUANTITY:	68 Each									
1 1/2" PVC DWV Pipe - Plain End Schedule 40	204	Lin Ft	0.04	8.2	54.09	444	0.62	126	0	0	0	0	570
1 1/2" 1/4 Bend - PVC Solvent Weld Standard Weight	340	Each	0.4	136.0	54.09	7,356	0.7335	249	0	0	0	0	7,605
Pipe Sleeve for 1 1/2" Pipe	68	Each	1	68.0	54.09	3,678	2.11	143	0	0	0	0	3,821
1 1/2" Steel Clevis Hanger	68	Each	1.05	71.4	54.09	3,862	5.31	361	0	0	0	0	4,223
Coil Condensate - Hookups (PVC)				283.6		15,340		879	0		0		16,219
Total Subcontract Amount				283.6		0		0			16,219		16,219
SUB-TOTAL				407.5		0		0			23,737		23,737
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	1,899	1,899
SUB-TOTAL				407.5		0		0			25,636		25,636
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	1,538	1,538
*** CONDENSATE DRAIN SYSTEM ESTIMATED COST ***				407.5		0		0			27,174		27,174
NATURAL GAS SYSTEM													
Natural Gas Mains & Distribution			QUANTITY:	120 Lin Ft									
1" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	60	Lin Ft	0.07	4.2	54.09	227	1.959	118	0	0	0	0	345
2" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	60	Lin Ft	0.11	6.6	54.09	357	4.188	251	0	0	0	0	608
1" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	1	Each	0.86	0.9	54.09	49	1.7475	2	0	0	0	0	51
2" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	1	Each	1.31	1.3	54.09	70	6.53	7	0	0	0	0	77
1" x 3/4" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	1.16	1.2	54.09	65	3.12	3	0	0	0	0	68

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
1" x 1/2" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	0.67	0.7	54.09	38	3.12	3	0	0	0	0	41
2" x 1 1/4" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	1.76	1.8	54.09	97	10.62	11	0	0	0	0	108
2" x 1" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	1	1.0	54.09	54	9.8625	10	0	0	0	0	64
2" x 3/4" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	1.76	1.8	54.09	97	9.8625	10	0	0	0	0	107
1" x 3/4" Reducer - Screwed A-197 Malleable Iron 150# - Black	2	Each	0.75	1.5	54.09	81	2.355	5	0	0	0	0	86
2" x 1 1/2" Reducer - Screwed A-197 Malleable Iron 150# - Black	2	Each	1.13	2.3	54.09	124	5.5525	11	0	0	0	0	135
1" Steel Clevis Hanger w/Insulation Shield	8	Each	0.66	5.3	54.09	287	5.53	44	0	0	0	0	331
2" Steel Clevis Hanger w/Insulation Shield	6	Each	0.66	4.0	54.09	216	2.8	17	0	0	0	0	233
Natural Gas Mains & Distribution				32.6		1,762		492		0		0	2,254
Total Subcontract Amount				32.6		0		0		0		2,254	2,254
SUB-TOTAL				32.6		0		0		0		2,254	2,254
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	180	180
SUB-TOTAL				32.6		0		0		0		2,434	2,434
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	146	146
*** NATURAL GAS SYSTEM ESTIMATED COST ***				32.6		0		0		0		2,580	2,580
HEAT LOOP SYSTEM													
Heat Pump 2-Way 1" Copper			QUANTITY:		33 Each								
1" Pipe Copper B-88 Type L Hard	528	Lin Ft	0.08	42.2	54.09	2,283	2.87	1,515	0	0	0	0	3,798
1/2" 90 Degree Ell B-88 Copper	33	Each	0.41	13.5	54.09	730	0.8568	28	0	0	0	0	758
1" 90 Degree Ell B-88 Copper	198	Each	0.58	114.8	54.09	6,210	4.7292	936	0	0	0	0	7,146
1" x 1/2" Reducing Tee B-88 Copper	132	Each	0.86	113.5	54.09	6,139	10.9704	1,448	0	0	0	0	7,587
1" x 3/4" Reducer B-88 Copper	66	Each	0.33	21.8	54.09	1,179	21.5628	1,423	0	0	0	0	2,602
3/4" Adapter to Male (SPS) B-88 Copper	66	Each	0.25	16.5	54.09	892	3.0156	199	0	0	0	0	1,091
3/4" Union B-88 Copper	33	Each	0.54	17.8	54.09	963	11.7642	388	0	0	0	0	1,351
1" Union B-88 Copper	66	Each	0.65	42.9	54.09	2,320	19.803	1,307	0	0	0	0	3,627
1/2" 150# Ball Valve Sweat - Bronze	99	Each	0.19	18.8	54.09	1,017	4.34	430	0	0	0	0	1,447
1" 150# Ball Valve Sweat - Bronze	33	Each	0.65	21.5	54.09	1,163	5.99	198	0	0	0	0	1,361

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 112

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT TOTAL	MATERIAL DOLLARS UNIT TOTAL	EQUIPMENT DOLLARS UNIT TOTAL	SUBCONTRACT DOLLARS UNIT TOTAL	TOTAL DOLLARS	
3/4" 150# 2-Way Control Valve Screwed Bronze	33	Each	1.47	48.5	54.09	2,623	T.C. 0	0	0	2,623
1" 150# Strainer Valve Sweat - Bronze	33	Each	0.85	28.1	54.09	1,520	48.72 1,608	0	0	3,128
1" Copper Plated Clevis Hanger w/Insulation Shield	132	Each	0.5	66.0	54.09	3,570	3.95 521	0	0	4,091
1" Balance & Shutoff Valve	33	Each	0.95	31.4	54.09	1,698	33 1,089	0	0	2,787
1/2" Pete's Plug	66	Each	0.4	26.4	54.09	1,428	17 1,122	0	0	2,550
Heat Pump 2-Way 1" Copper				623.7		33,735	12,212	0	0	45,947
Total Subcontract Amount				623.7		0	0	45,947	45,947	45,947
Heat Pump 2-Way 1-1/4" Copper				QUANTITY:	15 Each					
1 1/4" Pipe Copper B-88 Type L Hard	240	Lin Ft	0.08	19.2	54.09	1,039	4.03 967	0	0	2,006
1 1/4" 90 Degree Ell B-88 Copper	90	Each	0.67	60.3	54.09	3,262	7.1442 643	0	0	3,905
1 1/4" x 1/2" Reducing Tee B-88 Copper	60	Each	0.96	57.6	54.09	3,116	16.1406 968	0	0	4,084
1 1/4" x 1" Reducer B-88 Copper	30	Each	0.4	12.0	54.09	649	32.466 974	0	0	1,623
1" Adapter to Male (SPS) B-88 Copper	30	Each	0.29	8.7	54.09	471	7.791 234	0	0	705
1" Union B-88 Copper	15	Each	0.65	9.8	54.09	530	19.803 297	0	0	827
1 1/4" Union B-88 Copper	30	Each	0.71	21.3	54.09	1,152	32.865 986	0	0	2,138
1/2" 150# Ball Valve Sweat - Bronze	45	Each	0.19	8.6	54.09	465	4.34 195	0	0	660
1 1/4" 150# Ball Valve Sweat - Bronze	15	Each	0.56	8.4	54.09	454	10.07 151	0	0	605
1" 150# 2-Way Control Valve Screwed Bronze	15	Each	1.7	25.5	54.09	1,379	T.C. 0	0	0	1,379
1 1/4" 150# Strainer Valve Sweat Bronze	15	Each	1	15.0	54.09	811	39.2 588	0	0	1,399
1 1/4" Copper Plated Clevis Hanger w/Insulation Shield	60	Each	0.5	30.0	54.09	1,623	4.13 248	0	0	1,871
1 1/4" Balance & Shutoff Valve	15	Each	1.1	16.5	54.09	892	49 735	0	0	1,627
1/2" Pete's Plug	30	Each	0.4	12.0	54.09	649	17 510	0	0	1,159
Heat Pump 2-Way 1-1/4" Copper				304.9		16,492	7,496	0	0	23,988
Total Subcontract Amount				304.9		0	0	23,988	23,988	23,988
Heat Pump 2-Way 2" Copper				QUANTITY:	9 Each					
2" Pipe Copper B-88 Type L Hard	144	Lin Ft	0.09	13.0	54.09	703	8.115 1,169	0	0	1,872
2" 90 Degree Ell B-88 Copper	54	Each	0.8	43.2	54.09	2,337	20.3154 1,097	0	0	3,434

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
2" x 1/2" Reducing Tee B-88 Copper	36	Each	1.17	42.1	54.09	2,277	27.1236	976	0	0	0	0	3,253
2" x 1 1/2" Reducer B-88 Copper	18	Each	0.6	10.8	54.09	584	8.4	151	0	0	0	0	735
1 1/2" Adapter to Male (SPS) B-88 Copper	18	Each	0.35	6.3	54.09	341	13.251	239	0	0	0	0	580
1 1/2" Union B-88 Copper	9	Each	0.75	6.8	54.09	368	43.2516	389	0	0	0	0	757
2" Union B-88 Copper	18	Each	0.87	15.7	54.09	849	73.7268	1,327	0	0	0	0	2,176
2 1/2" x 2" Reducer - Screwed A-197 Malleable Iron 150# - Black	18	Each	1.86	33.5	54.09	1,812	12.7625	230	0	0	0	0	2,042
1/2" 150# Ball Valve Sweat - Bronze	27	Each	0.19	5.1	54.09	276	4.34	117	0	0	0	0	393
2" 150# Ball Valve Sweat - Bronze	9	Each	0.951	8.6	54.09	465	50.04	450	0	0	0	0	915
1 1/2" 150# 2-Way Control Valve Screwed Bronze	9	Each	2.16	19.4	54.09	1,049	T.C.	0	0	0	0	0	1,049
2" 150# Strainer Valve Sweat - Bronze	9	Each	1.4	12.6	54.09	682	56	504	0	0	0	0	1,186
2" Copper Plated Clevis Hanger w/Insulation Shield	36	Each	0.5	18.0	54.09	974	4.56	164	0	0	0	0	1,138
2" Balance & Shutoff Valve	9	Each	1.6	14.4	54.09	779	82	738	0	0	0	0	1,517
1/2" Pete's Plug	18	Each	0.4	7.2	54.09	389	17	306	0	0	0	0	695
Heat Pump 2-Way 2" Copper				256.7		13,885		7,857	0	0	0	0	21,742
Total Subcontract Amount				256.7		0		0				21,742	21,742
Heat Pump 3-Way 2 1/2" Copper			QUANTITY:		3 Each								
2 1/2" Pipe Copper B-88 Type L Hard	48	Lin Ft	0.12	5.8	54.09	314	12.06	579	0	0	0	0	893
2 1/2" 90 Degree Ell B-88 Copper	24	Each	1.38	33.1	54.09	1,790	40.6476	976	0	0	0	0	2,766
2 1/2" Tee B-88 Copper	3	Each	2.03	6.1	54.09	330	72.4542	217	0	0	0	0	547
2 1/2" x 1/2" Reducing Tee B-88 Copper	12	Each	1.89	22.7	54.09	1,228	84.4578	1,013	0	0	0	0	2,241
2 1/2" x 1 1/2" Reducer B-88 Copper	6	Each	0.8	4.8	54.09	260	23.42	141	0	0	0	0	401
2 1/2" Adapter to Male (SPS) B-88 Copper	6	Each	1.05	6.3	54.09	341	85.9068	515	0	0	0	0	856
2 1/2" Union B-88 Copper	3	Each	1.4	4.2	54.09	227	183.141	549	0	0	0	0	776
2 1/2" x 2" Reducer - Screwed A-197 Malleable Iron 150# - Black	6	Each	1.86	11.2	54.09	606	12.7625	77	0	0	0	0	683
2 1/2" 150# Ball Valve Sweat - Bronze	6	Each	1.5	9.0	54.09	487	76.01	456	0	0	0	0	943
1/2" 150# Ball Valve Sweat - Bronze	9	Each	0.19	1.7	54.09	92	4.34	39	0	0	0	0	131
1 1/2" 150# 3-Way Control Valve Screwed Bronze	3	Each	2.7	8.1	54.09	438	63	189	0	0	0	0	627
2 1/2" 150# Strainer Sweat - Bronze	3	Each	1.2	3.6	54.09	195	420	1,260	0	0	0	0	1,455

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
2 1/2" Copper Plated Clevis Hanger w/Insulation Shield	12	Each	0.65	7.8	54.09	422	6.65	80	0	0	0	0	502
2 1/2" Balance & Shutoff Valve	3	Each	1.8	5.4	54.09	292	400	1,200	0	0	0	0	1,492
1/2" Pete's Plug	6	Each	0.4	2.4	54.09	130	17	102	0	0	0	0	232
				132.2		7,152		7,393	0		0		14,545
Heat Pump 3-Way 2 1/2" Copper				132.2		7,152		7,393	0		0		14,545
Total Subcontract Amount				132.2		0		0			14,545		14,545
Reheat Coil 2-Way 1" Copper			QUANTITY:		1 Each								
1" Pipe Copper B-88 Type L Hard	16	Lin Ft	0.08	1.3	54.09	70	2.87	46	0	0	0	0	116
1/2" 90 Degree Ell B-88 Copper	1	Each	0.41	0.4	54.09	22	0.8568	1	0	0	0	0	23
1" 90 Degree Ell B-88 Copper	6	Each	0.58	3.5	54.09	189	4.7292	28	0	0	0	0	217
1" x 1/2" Reducing Tee B-88 Copper	4	Each	0.86	3.4	54.09	184	10.9704	44	0	0	0	0	228
1" x 3/4" Reducer B-88 Copper	2	Each	0.33	0.7	54.09	38	21.5628	43	0	0	0	0	81
3/4" Adapter to Male (SPS) B-88 Copper	2	Each	0.25	0.5	54.09	27	3.0156	6	0	0	0	0	33
3/4" Union B-88 Copper	1	Each	0.54	0.5	54.09	27	11.7642	12	0	0	0	0	39
1" Union B-88 Copper	2	Each	0.65	1.3	54.09	70	19.803	40	0	0	0	0	110
1/2" 150# Ball Valve Sweat - Bronze	3	Each	0.19	0.6	54.09	32	4.34	13	0	0	0	0	45
1" 150# Ball Valve Sweat - Bronze	1	Each	0.65	0.7	54.09	38	5.99	6	0	0	0	0	44
3/4" 150# 2-Way Control Valve Screwed Bronze	1	Each	1.47	1.5	54.09	81	T.C.	0	0	0	0	0	81
1" 150# Strainer Valve Sweat - Bronze	1	Each	0.85	0.9	54.09	49	48.72	49	0	0	0	0	98
1" Copper Plated Clevis Hanger w/Insulation Shield	4	Each	0.5	2.0	54.09	108	3.95	16	0	0	0	0	124
1" Balance & Shutoff Valve	1	Each	0.95	1.0	54.09	54	33	33	0	0	0	0	87
1/2" Pete's Plug	2	Each	0.4	0.8	54.09	43	17	34	0	0	0	0	77
				19.1		1,032		371	0		0		1,403
Reheat Coil 2-Way 1" Copper				19.1		0		0			1,403		1,403
Unit Heater 2-Way 3/4" Copper			QUANTITY:		1 Each								
3/4" Pipe Copper B-88 Type L Hard	16	Lin Ft	0.06	1.0	54.09	54	1.825	29	0	0	0	0	83
1/2" 90 Degree Ell B-88 Copper	1	Each	0.41	0.4	54.09	22	0.8568	1	0	0	0	0	23
3/4" 90 Degree Ell B-88 Copper	6	Each	0.47	2.8	54.09	151	1.9278	12	0	0	0	0	163

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3/4" x 1/2" Reducing Tee B-88 Copper	4	Each	0.69	2.8	54.09	151	3.402	14	0	0	0	0	165
3/4" Adapter to Male (SPS) B-88 Copper	2	Each	0.25	0.5	54.09	27	3.0156	6	0	0	0	0	33
3/4" Union B-88 Copper	3	Each	0.54	1.6	54.09	87	11.7642	35	0	0	0	0	122
1/2" 150# Ball Valve Sweat - Bronze	3	Each	0.19	0.6	54.09	32	4.34	13	0	0	0	0	45
3/4" 150# Ball Valve Sweat - Bronze	1	Each	0.19	0.2	54.09	11	4.77	5	0	0	0	0	16
3/4" 150# 2-Way Control Valve Screwed Bronze	1	Each	1.47	1.5	54.09	81	T.C.	0	0	0	0	0	81
3/4" 150# Strainer Valve Sweat - Bronze	1	Each	0.5	0.5	54.09	27	32.48	32	0	0	0	0	59
3/4" Copper Plated Clevis Hanger w/Insulation Shield	4	Each	0.5	2.0	54.09	108	5.01	20	0	0	0	0	128
3/4" Balance & Shutoff Valve	1	Each	0.7	0.7	54.09	38	25	25	0	0	0	0	63
1/2" Pete's Plug	2	Each	0.4	0.8	54.09	43	17	34	0	0	0	0	77
Unit Heater 2-Way 3/4" Copper				15.4		832		226		0		0	1,058
Total Subcontract Amount				15.4		0		0		0		1,058	1,058
Hot Water Boiler - 3" Hookup			QUANTITY:		1 Each								
3" A-53 Carbon Steel Pipe Plain End - Welded Schedule 40/Standard Weight	20	Lin Ft	0.2	4.0	54.09	216	7.116	142	0	0	0	0	358
1" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	1	Lin Ft	0.07	0.1	54.09	5	1.959	2	0	0	0	0	7
2" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	3	Lin Ft	0.11	0.3	54.09	16	4.188	13	0	0	0	0	29
1" 3000# Thread-O-Let A-181 Forged Steel	1	Each	2	2.0	54.09	108	5.328	5	0	0	0	0	113
2" 3000# Thread-O-Let A-181 Forged Steel	1	Each	3.75	3.8	54.09	206	9.62	10	0	0	0	0	216
3" 150# Weld Neck Flange Raised Face A-181 Forged Steel	6	Each	2.49	14.9	54.09	806	22.4	134	0	0	0	0	940
3" 90 Degree Ell A-234 Carbon Steel Schedule 40/Standard Weight Butt Weld	6	Each	3.89	23.3	54.09	1,260	17.12	103	0	0	0	0	1,363
2" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	2	Each	1.31	2.6	54.09	141	6.53	13	0	0	0	0	154
1" 150# Ball Valve Screwed - Bronze	1	Each	0.87	0.9	54.09	49	18.63	19	0	0	0	0	68
2" 150# Ball Valve Screwed - Bronze	1	Each	1.06	1.1	54.09	59	47.53	48	0	0	0	0	107
3" 150# Butterfly Valve Cast Iron Flanged	2	Each	1.1	2.2	54.09	119	129.36	259	0	0	0	0	378
3" 150# BN&G Set - A-193-B7 Studs, A-194-2H Nuts & 1/16" Composition Gasket	6	Each	0.75	4.5	54.09	243	6.29	38	0	0	0	0	281
3" Steel Clevis Hanger w/Insulation Shield	2	Each	0.81	1.6	54.09	87	6.82	14	0	0	0	0	101
Hot Water Boiler - 3" Hookup				61.3		3,315		800		0		0	4,115

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
Total Subcontract Amount			61.3	0		0		0		4,115	4,115	
Heat Pump Water Mains & Distr. - Copper			QUANTITY:	2,140 Lin Ft								
2 1/2" Pipe Copper B-88 Type L Hard	600	Lin Ft	0.12	72.0	54.09	3,894	12.06	7,236	0	0	0	11,130
3" Pipe Copper B-88 Type L Hard	260	Lin Ft	0.14	36.4	54.09	1,969	16.185	4,208	0	0	0	6,177
4" Pipe Copper B-88 Type L Hard	260	Lin Ft	0.18	46.8	54.09	2,531	26.74	6,952	0	0	0	9,483
2" Pipe Copper B-88 Type L Hard	1,020	Lin Ft	0.09	91.8	54.09	4,965	8.115	8,277	0	0	0	13,242
2 1/2" 90 Degree Ell B-88 Copper	24	Each	1.38	33.1	54.09	1,790	40.6476	976	0	0	0	2,766
3" 90 Degree Ell B-88 Copper	10	Each	1.65	16.5	54.09	892	54.327	543	0	0	0	1,435
4" 90 Degree Ell B-88 Copper	10	Each	2.21	22.1	54.09	1,195	139.0746	1,391	0	0	0	2,586
2" 90 Degree Ell B-88 Copper	41	Each	0.8	32.8	54.09	1,774	20.3154	833	0	0	0	2,607
2 1/2" x 1 1/2" Reducing Tee B-88 Copper	12	Each	1.89	22.7	54.09	1,228	84.4578	1,013	0	0	0	2,241
2 1/2" x 1 1/4" Reducing Tee B-88 Copper	12	Each	1.89	22.7	54.09	1,228	84.4578	1,013	0	0	0	2,241
2 1/2" x 1" Reducing Tee B-88 Copper	12	Each	1.89	22.7	54.09	1,228	84.4578	1,013	0	0	0	2,241
3" x 2" Reducing Tee B-88 Copper	5	Each	2.3	11.5	54.09	622	93.0342	465	0	0	0	1,087
3" x 1 1/2" Reducing Tee B-88 Copper	5	Each	2.3	11.5	54.09	622	93.0342	465	0	0	0	1,087
3" x 1 1/4" Reducing Tee B-88 Copper	5	Each	2.3	11.5	54.09	622	93.0342	465	0	0	0	1,087
4" x 2" Reducing Tee B-88 Copper	5	Each	3	15.0	54.09	811	180.6504	903	0	0	0	1,714
4" x 1 1/2" Reducing Tee B-88 Copper	5	Each	3	15.0	54.09	811	170.7972	854	0	0	0	1,665
4" x 1 1/4" Reducing Tee B-88 Copper	5	Each	3	15.0	54.09	811	178.8654	894	0	0	0	1,705
2" x 1 1/4" Reducing Tee B-88 Copper	20	Each	1.17	23.4	54.09	1,266	31.0422	621	0	0	0	1,887
2" x 1" Reducing Tee B-88 Copper	20	Each	1.17	23.4	54.09	1,266	14.24	285	0	0	0	1,551
2" x 3/4" Reducing Tee B-88 Copper	20	Each	1.17	23.4	54.09	1,266	27.1236	542	0	0	0	1,808
2 1/2" Coupling B-88 Copper	24	Each	1.37	32.9	54.09	1,780	21.6804	520	0	0	0	2,300
3" Coupling B-88 Copper	10	Each	1.62	16.2	54.09	876	32.6004	326	0	0	0	1,202
4" Coupling B-88 Copper	10	Each	2.16	21.6	54.09	1,168	68.5566	686	0	0	0	1,854
2" Coupling B-88 Copper	41	Each	0.84	34.4	54.09	1,861	10.2144	419	0	0	0	2,280
2 1/2" x 2" Reducer B-88 Copper	12	Each	0.8	9.6	54.09	519	23.42	281	0	0	0	800
2 1/2" x 1 1/2" Reducer B-88 Copper	12	Each	0.8	9.6	54.09	519	23.42	281	0	0	0	800

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 117

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS	
4" x 3" Reducer B-88 Copper	5	Each	2.03	10.2	54.09	552	48.36	242	0	0	0	0	794
2" x 1 1/2" Reducer B-88 Copper	61	Each	0.6	36.6	54.09	1,980	8.4	512	0	0	0	0	2,492
2 1/2" Copper Plated Clevis Hanger w/Insulation Shield	60	Each	0.65	39.0	54.09	2,110	6.65	399	0	0	0	0	2,509
3" Copper Plated Clevis Hanger w/Insulation Shield	23	Each	0.65	15.0	54.09	811	7	161	0	0	0	0	972
4" Copper Plated Clevis Hanger w/Insulation Shield	21	Each	0.7	14.7	54.09	795	8.4	176	0	0	0	0	971
2" Copper Plated Clevis Hanger w/Insulation Shield	112	Each	0.5	56.0	54.09	3,029	4.56	511	0	0	0	0	3,540
Heat Pump Water Mains & Distr. - Copper				865.1		46,791		43,463	0		0	0	90,254
Total Subcontract Amount				865.1		0		0			90,254		90,254
Heat Pump Water Mains & Distr. - Vict.			QUANTITY:		1,860 Lin Ft								
6" A-53 Carbon Steel Pipe Grooved End - Welded Schedule 40/Standard Weight	40	Lin Ft	0.16	6.4	54.09	346	9.31	372	0	0	0	0	718
8" A-53 Carbon Steel Pipe Grooved End - Welded Schedule 40/Standard Weight	440	Lin Ft	0.2	88.0	54.09	4,760	14.29	6,288	0	0	0	0	11,048
1" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	140	Lin Ft	0.07	9.8	54.09	530	1.959	274	0	0	0	0	804
1 1/4" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	1,180	Lin Ft	0.1	118.0	54.09	6,383	2.538	2,995	0	0	0	0	9,378
1 1/2" A-53 Carbon Steel Pipe Threaded & Coupled - Welded Schedule 40/Standard Weight	60	Lin Ft	0.11	6.6	54.09	357	3.039	182	0	0	0	0	539
6" 90 Degree Ell - Grooved End A-197 Malleable Iron 150# - Black	1	Each	3.41	3.4	54.09	184	126.8	127	0	0	0	0	311
8" 90 Degree Ell A-197 Malleable Iron 150# Grooved	9	Each	4.83	43.5	54.09	2,353	265.33	2,388	0	0	0	0	4,741
1" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	3	Each	0.86	2.6	54.09	141	1.7475	5	0	0	0	0	146
1 1/4" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	24	Each	0.98	23.5	54.09	1,271	2.88	69	0	0	0	0	1,340
1 1/2" 90 Degree Ell - Screwed A-197 Malleable Iron 150# - Black	1	Each	1.07	1.1	54.09	59	3.7875	4	0	0	0	0	63
1" x 3/4" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	3	Each	1.16	3.5	54.09	189	3.12	9	0	0	0	0	198
1" x 1/2" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	0.67	0.7	54.09	38	3.12	3	0	0	0	0	41
1 1/4" x 1" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	12	Each	1.26	15.1	54.09	817	5.405	65	0	0	0	0	882
1 1/4" x 3/4" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	12	Each	1.26	15.1	54.09	817	4.985	60	0	0	0	0	877
1 1/4" x 1/2" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	12	Each	1.26	15.1	54.09	817	5.6875	68	0	0	0	0	885
1 1/2" x 1 1/4" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	1.43	1.4	54.09	76	7.7825	8	0	0	0	0	84

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1 1/2" x 1" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	1.43	1.4	54.09	76	6.295	6	0	0	0	0	82
1 1/2" x 3/4" Reducing Tee - Screwed A-197 Malleable Iron 150# - Black	1	Each	1.43	1.4	54.09	76	6.295	6	0	0	0	0	82
6" x 4" Reducer A-197 Malleable Iron 150# - Black Grooved End	1	Each	2.82	2.8	54.09	151	73.125	73	0	0	0	0	224
8" x 6" Reducer A-197 MI 150# Grooved	13	Each	3.89	50.6	54.09	2,737	190.125	2,472	0	0	0	0	5,209
1" x 3/4" Reducer - Screwed A-197 Malleable Iron 150# - Black	4	Each	0.75	3.0	54.09	162	2.355	9	0	0	0	0	171
1 1/4" x 1" Reducer - Screwed A-197 Malleable Iron 150# - Black	35	Each	0.89	31.2	54.09	1,688	3.03	106	0	0	0	0	1,794
1 1/2" x 1 1/4" Reducer - Screwed A-197 Malleable Iron 150# - Black	2	Each	0.98	2.0	54.09	108	3.83	8	0	0	0	0	116
6" Coupling Style 07	2	Each	0.5	1.0	54.09	54	41.34	83	0	0	0	0	137
8" Coupling Style 07	18	Each	0.7	12.6	54.09	682	63	1,134	0	0	0	0	1,816
6" Steel Clevis Hanger w/Insulation Shield	2	Each	0.86	1.7	54.09	92	9.45	19	0	0	0	0	111
8" Steel Clevis Hanger w/Insulation Shield	22	Each	0.86	18.9	54.09	1,022	24.57	541	0	0	0	0	1,563
1" Steel Clevis Hanger w/Insulation Shield	20	Each	0.66	13.2	54.09	714	5.53	111	0	0	0	0	825
1 1/4" Steel Clevis Hanger w/Insulation Shield	142	Each	0.66	93.7	54.09	5,068	5.81	825	0	0	0	0	5,893
1 1/2" Steel Clevis Hanger w/Insulation Shield	7	Each	0.66	4.6	54.09	249	6.03	42	0	0	0	0	291
Heat Pump Water Mains & Distr. - Vict.				591.9		32,017		18,352	0		0	0	50,369
Total Subcontract Amount				591.9		0		0	0		50,369		50,369
SUB-TOTAL				2,870.3		0		0	0		253,421		253,421
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	20,274	20,274
SUB-TOTAL				2,870.3		0		0	0		273,695		273,695
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	16,422	16,422
*** HEAT LOOP SYSTEM ESTIMATED COST ***				2,870.3		0		0	0		290,117		290,117
<b>HOT WATER SYSTEM</b>													
Cabinet Unit Heater 2-Way 3/4" Copper			QUANTITY:		4 Each								
3/4" Pipe Copper B-88 Type L Hard	64	Lin Ft	0.06	3.8	54.09	206	1.825	117	0	0	0	0	323
1/2" 90 Degree Ell B-88 Copper	4	Each	0.41	1.6	54.09	87	0.8568	3	0	0	0	0	90
3/4" 90 Degree Ell B-88 Copper	24	Each	0.47	11.3	54.09	611	1.9278	46	0	0	0	0	657

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3/4" x 1/2" Reducing Tee B-88 Copper	16	Each	0.69	11.0	54.09	595	3.402	54	0	0	0	0	649
3/4" Adapter to Male (SPS) B-88 Copper	8	Each	0.25	2.0	54.09	108	3.0156	24	0	0	0	0	132
3/4" Union B-88 Copper	12	Each	0.54	6.5	54.09	352	11.7642	141	0	0	0	0	493
1/2" 150# Ball Valve Sweat - Bronze	12	Each	0.19	2.3	54.09	124	4.34	52	0	0	0	0	176
3/4" 150# Ball Valve Sweat - Bronze	4	Each	0.19	0.8	54.09	43	4.77	19	0	0	0	0	62
3/4" 150# 2-Way Control Valve Screwed Bronze	4	Each	1.47	5.9	54.09	319	T.C.	0	0	0	0	0	319
3/4" 150# Strainer Valve Sweat - Bronze	4	Each	0.5	2.0	54.09	108	32.48	130	0	0	0	0	238
3/4" Copper Plated Clevis Hanger w/Insulation Shield	16	Each	0.5	8.0	54.09	433	5.01	80	0	0	0	0	513
3/4" Balance & Shutoff Valve	4	Each	0.7	2.8	54.09	151	25	100	0	0	0	0	251
1/2" Pete's Plug	8	Each	0.4	3.2	54.09	173	17	136	0	0	0	0	309
Cabinet Unit Heater 2-Way 3/4" Copper				61.2		3,310		902		0		0	4,212
Total Subcontract Amount				61.2		0		0		0		4,212	4,212
Heating Hot Water Mains & Distr - Copper			QUANTITY:		540 Lin Ft								
3" Pipe Copper B-88 Type L Hard	40	Lin Ft	0.14	5.6	54.09	303	16.185	647	0	0	0	0	950
3/4" Pipe Copper B-88 Type L Hard	680	Lin Ft	0.06	40.8	54.09	2,207	1.825	1,241	0	0	0	0	3,448
1" Pipe Copper B-88 Type L Hard	400	Lin Ft	0.08	32.0	54.09	1,731	2.87	1,148	0	0	0	0	2,879
1 1/2" Pipe Copper B-88 Type L Hard	40	Lin Ft	0.08	3.2	54.09	173	5.2	208	0	0	0	0	381
2" Pipe Copper B-88 Type L Hard	60	Lin Ft	0.09	5.4	54.09	292	8.115	487	0	0	0	0	779
3" 90 Degree Ell B-88 Copper	2	Each	1.65	3.3	54.09	178	54.327	109	0	0	0	0	287
1/2" 90 Degree Ell B-88 Copper	16	Each	0.41	6.6	54.09	357	0.8568	14	0	0	0	0	371
3/4" 90 Degree Ell B-88 Copper	27	Each	0.47	12.7	54.09	687	1.9278	52	0	0	0	0	739
1" 90 Degree Ell B-88 Copper	16	Each	0.58	9.3	54.09	503	4.7292	76	0	0	0	0	579
1 1/2" 90 Degree Ell B-88 Copper	2	Each	0.72	1.4	54.09	76	11.1426	22	0	0	0	0	98
2" 90 Degree Ell B-88 Copper	2	Each	0.8	1.6	54.09	87	20.3154	41	0	0	0	0	128
1/2" Tee B-88 Copper	24	Each	0.59	14.2	54.09	768	1.47	35	0	0	0	0	803
3" x 2" Reducing Tee B-88 Copper	1	Each	2.3	2.3	54.09	124	93.0342	93	0	0	0	0	217
3" x 1 1/2" Reducing Tee B-88 Copper	1	Each	2.3	2.3	54.09	124	93.0342	93	0	0	0	0	217
3" x 1 1/4" Reducing Tee B-88 Copper	1	Each	2.3	2.3	54.09	124	93.0342	93	0	0	0	0	217

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
3/4" x 1/2" Reducing Tee B-88 Copper	41	Each	0.69	28.3	54.09	1,531	3.402	139	0	0	0	0	1,670
1" x 3/4" Reducing Tee B-88 Copper	16	Each	0.86	13.8	54.09	746	10.9704	176	0	0	0	0	922
1" x 1/2" Reducing Tee B-88 Copper	8	Each	0.86	6.9	54.09	373	10.9704	88	0	0	0	0	461
1 1/2" x 1" Reducing Tee B-88 Copper	1	Each	1.02	1.0	54.09	54	17.136	17	0	0	0	0	71
1 1/2" x 3/4" Reducing Tee B-88 Copper	1	Each	1.02	1.0	54.09	54	17.136	17	0	0	0	0	71
1 1/2" x 1/2" Reducing Tee B-88 Copper	1	Each	1.02	1.0	54.09	54	17.136	17	0	0	0	0	71
2" x 1 1/4" Reducing Tee B-88 Copper	1	Each	1.17	1.2	54.09	65	31.0422	31	0	0	0	0	96
2" x 1" Reducing Tee B-88 Copper	1	Each	1.17	1.2	54.09	65	14.24	14	0	0	0	0	79
2" x 3/4" Reducing Tee B-88 Copper	1	Each	1.17	1.2	54.09	65	27.1236	27	0	0	0	0	92
3" Coupling B-88 Copper	2	Each	1.62	3.2	54.09	173	32.6004	65	0	0	0	0	238
1/2" Coupling B-88 Copper	16	Each	0.41	6.6	54.09	357	0.651	10	0	0	0	0	367
3/4" Coupling B-88 Copper	27	Each	0.54	14.6	54.09	790	1.3062	35	0	0	0	0	825
1" Coupling B-88 Copper	16	Each	0.63	10.1	54.09	546	2.604	42	0	0	0	0	588
1 1/2" Coupling B-88 Copper	2	Each	0.74	1.5	54.09	81	6.111	12	0	0	0	0	93
2" Coupling B-88 Copper	2	Each	0.84	1.7	54.09	92	10.2144	20	0	0	0	0	112
3/4" x 1/2" Reducer B-88 Copper	14	Each	0.3	4.2	54.09	227	16.002	224	0	0	0	0	451
1" x 3/4" Reducer B-88 Copper	24	Each	0.33	7.9	54.09	427	21.5628	518	0	0	0	0	945
1 1/2" x 1 1/4" Reducer B-88 Copper	2	Each	0.4	0.8	54.09	43	4.34	9	0	0	0	0	52
2" x 1 1/2" Reducer B-88 Copper	4	Each	0.6	2.4	54.09	130	8.4	34	0	0	0	0	164
3" Copper Plated Clevis Hanger w/Insulation Shield	4	Each	0.65	2.6	54.09	141	7	28	0	0	0	0	169
3/4" Copper Plated Clevis Hanger w/Insulation Shield	122	Each	0.5	61.0	54.09	3,299	5.01	611	0	0	0	0	3,910
1" Copper Plated Clevis Hanger w/Insulation Shield	56	Each	0.5	28.0	54.09	1,515	3.95	221	0	0	0	0	1,736
1 1/2" Copper Plated Clevis Hanger w/Insulation Shield	5	Each	0.5	2.5	54.09	135	4.31	22	0	0	0	0	157
2" Copper Plated Clevis Hanger w/Insulation Shield	7	Each	0.5	3.5	54.09	189	4.56	32	0	0	0	0	221
Heating Hot Water Mains & Distr - Copper				349.2		18,886		6,768	0	0	0	0	25,654
Total Subcontract Amount				349.2		0		0	0	0	25,654		25,654
SUB-TOTAL				410.4		0		0	0	0	29,866		29,866

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 121

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	2,389	2,389
SUB-TOTAL				410.4		0		0		0		32,255	32,255
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	1,935	1,935
*** HOT WATER SYSTEM ESTIMATED COST ***				410.4		0		0		0		34,190	34,190

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
HEATING, VENTILATING & AIR CONDITIONING													
Ductwork			QUANTITY:	68,898 Lbs									
Duct - Classrooms	41,649	Lbs	0.1	4,164.9	50.04	208,412	2	83,298	0	0	0	0	291,710
Duct - Gymnasium	4,539	Lbs	0.1	453.9	50.04	22,713	2	9,078	0	0	0	0	31,791
Duct - Food Service/Kitchen	1,084	Lbs	0.1	108.4	50.04	5,424	2	2,168	0	0	0	0	7,592
Duct - Administration/Support	11,426	Lbs	0.1	1,142.6	50.04	57,176	2	22,852	0	0	0	0	80,028
Duct - Stage & Auditorium	10,200	Lbs	0.1	1,020.0	50.04	51,041	2	20,400	0	0	0	0	71,441
Duct - Detailing	68,898	Lbs	0.0045	310.0	50.04	15,512	0	0	0	0	0	0	15,512
Ductwork				7,199.8		360,278		137,796		0		0	498,074
Total Subcontract Amount				7,199.8		0		0		0		498,074	498,074
Kitchen Ventilation Ductwork			QUANTITY:	1,700 Lbs									
Black Iron Duct	1,200	Lbs	0.042	50.4	50.04	2,522	1.1	1,320	0	0	0	0	3,842
Duct - Kitchen Makeup Air Supply	500	Lbs	0.1	50.0	50.04	2,502	2	1,000	0	0	0	0	3,502
Duct - Detailing	1,700	Lbs	0.0045	7.7	50.04	385	0	0	0	0	0	0	385
1 1/2" Fiberglass Duct Wrap	300	Sq Ft	0.021	6.3	50.04	315	0.3	90	0	0	0	0	405
Kitchen Exhaust Hood	1	Each	48	48.0	50.04	2,402	4,702	4,702	0	0	0	0	7,104
Kitchen Exhaust Hood Hangers	4	Each	1	4.0	50.04	200	25	100	0	0	0	0	300
Kitchen Exhaust Hood Filters	1	Each	2	2.0	50.04	100	650	650	0	0	0	0	750
Grease Exhaust Fan	1	Each	8	8.0	50.04	400	1,894	1,894	0	0	0	0	2,294
Makeup Air Fan	1	Each	8	8.0	50.04	400	1,679	1,679	0	0	0	0	2,079
Kitchen Ventilation Ductwork				184.4		9,226		11,435		0		0	20,661
Total Subcontract Amount				184.4		0		0		0		20,661	20,661
Locker Room Exhaust - Single			QUANTITY:	2 Each									
Aluminum Rectangular Duct	400	Lbs	0.12	48.0	50.04	2,402	3	1,200	0	0	0	0	3,602
10" x 10" Exhaust Air Grille - Surface Mounted Mounted Single Deflector Aluminum	4	Each	0.65	2.6	50.04	130	28	112	0	0	0	0	242
Exhaust Fan w/Curb - 500 CFM	2	Each	3.5	7.0	50.04	350	475	950	0	0	0	0	1,300
Locker Room Exhaust - Single				57.6		2,882		2,262		0		0	5,144
Total Subcontract Amount				57.6		0		0		0		5,144	5,144

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
Toilet Room Exhaust - Single Galvanized Rectangular Duct	1,200	Lbs	QUANTITY: 0.1	120.0	6 Each 50.04	6,005	2	2,400	0	0	0	8,405
8" x 8" Exhaust Air Grille - Surface Mounted Single Deflector Aluminu Exhaust Fan w/Curb - 500 CFM	12	Each	0.65	7.8	50.04	390	23	276	0	0	0	666
	6	Each	3.5	21.0	50.04	1,051	475	2,850	0	0	0	3,901
				148.8		7,446		5,526			0	12,972
Toilet Room Exhaust - Single Total Subcontract Amount				148.8		0		0			12,972	12,972
Toilet Room Exhaust - Multiple Galvanized Rectangular Duct	1,600	Lbs	QUANTITY: 0.1	160.0	4 Each 50.04	8,006	2	3,200	0	0	0	11,206
8" x 8" Exhaust Air Grille - Surface Mounted Single Deflector Aluminu Exhaust Fan w/Curb - 1000 CFM	16	Each	0.65	10.4	50.04	520	23	368	0	0	0	888
	4	Each	3.5	14.0	50.04	701	575	2,300	0	0	0	3,001
				184.4		9,227		5,868			0	15,095
Toilet Room Exhaust - Multiple Total Subcontract Amount				184.4		0		0			15,095	15,095
Energy Recovery Units Energy Recovery Unit - 5000 CFM	6	Each	QUANTITY: 30	180.0	6 Each 50.04	9,007	8,446	50,676	0	0	0	59,683
				180.0		9,007		50,676			0	59,683
Energy Recovery Units Total Subcontract Amount				180.0		0		0			59,683	59,683
Heat Pumps Heat Pump - 2 Ton w/Hangers & Isolators	33	Each	QUANTITY: 5	165.0	68 Each 50.04	8,257	1,307	43,131	0	0	0	51,388
Heat Pump - 4 Ton w/Hangers & Isolators	15	Each	7	105.0	50.04	5,254	1,774	26,610	0	0	0	31,864
Heat Pump - 5 Ton w/Hangers & Isolators	9	Each	8	72.0	50.04	3,603	1,985	17,865	0	0	0	21,468
Heat Pump - 7.5 Ton w/Hangers & Isolators	8	Each	10	80.0	54.09	4,327	4,748	37,984	0	0	0	42,311
Heat Pump - 15 Ton w/Hangers & Isolators	3	Each	16	48.0	54.09	2,596	7,959	23,877	0	0	0	26,473
				470.0		24,037		149,467			0	173,504
Heat Pumps Total Subcontract Amount				470.0		0		0			173,504	173,504
14" Return Air Grille & Branch 14" Insulated Flex Duct	410	Lin Ft	QUANTITY: 0.05	20.5	82 Each 50.04	1,026	1.01	414	0	0	0	1,440

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
14" Galvanized Tap Collar	164	Each	0.33	54.1	50.04	2,707	1.78	292	0	0	0	0	2,999
Tie Bands	164	Each	0.15	24.6	0	0	0.28	46	0	0	0	0	46
24" x 24" Lay-In Return Air Grille	82	Each	0.75	61.5	50.04	3,077	25	2,050	0	0	0	0	5,127
14" Return Air Grille & Branch				160.7		6,810		2,802		0		0	9,612
Total Subcontract Amount				160.7		0		0		0		9,612	9,612
6" Supply Air Diffuser & Branch			QUANTITY:		38 Each								
6" 28 Gauge Galvanized Snap Lock Pipe	190	Lin Ft	0.033	6.3	50.04	315	0.84	160	0	0	0	0	475
6" Insulated Flex Duct	190	Lin Ft	0.033	6.3	50.04	315	0.41	78	0	0	0	0	393
1 1/2" Fiberglass Duct Wrap	418	Sq Ft	0.021	8.8	50.04	440	0.3	125	0	0	0	0	565
6" Galvanized 90 Degree Ell	38	Each	0.08	3.0	50.04	150	1.41	54	0	0	0	0	204
6" Galvanized Conical Spin-In Collar w/Damper	38	Each	0.17	6.5	50.04	325	5	190	0	0	0	0	515
Tie Bands	76	Each	0.15	11.4	0	0	0.28	21	0	0	0	0	21
24" x 24" Lay-In Diffuser w/Damper	38	Each	0.65	24.7	50.04	1,236	70	2,660	0	0	0	0	3,896
6" Supply Air Diffuser & Branch				67.0		2,781		3,288		0		0	6,069
Total Subcontract Amount				67.0		0		0		0		6,069	6,069
8" Supply Air Diffuser & Branch			QUANTITY:		120 Each								
8" 28 Gauge Galvanized Snap Lock Pipe	600	Lin Ft	0.033	19.8	50.04	991	1.28	768	0	0	0	0	1,759
8" Insulated Flex Duct	600	Lin Ft	0.033	19.8	50.04	991	0.53	318	0	0	0	0	1,309
1 1/2" Fiberglass Duct Wrap	1,680	Sq Ft	0.021	35.3	50.04	1,766	0.3	504	0	0	0	0	2,270
8" Galvanized 90 Degree Ell	120	Each	0.125	15.0	50.04	751	2.8	336	0	0	0	0	1,087
8" Galvanized Conical Spin-In Collar w/Damper	120	Each	0.17	20.4	50.04	1,021	6	720	0	0	0	0	1,741
Tie Bands	240	Each	0.15	36.0	0	0	0.28	67	0	0	0	0	67
24" x 24" Lay-In Diffuser w/Damper	120	Each	0.65	78.0	50.04	3,903	70	8,400	0	0	0	0	12,303
8" Supply Air Diffuser & Branch				224.3		9,423		11,113		0		0	20,536
Total Subcontract Amount				224.3		0		0		0		20,536	20,536
10" Supply Air Diffuser & Branch			QUANTITY:		170 Each								
10" 28 Gauge Galvanized Snap Lock Pipe	850	Lin Ft	0.05	42.5	50.04	2,127	1.6	1,360	0	0	0	0	3,487

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 125

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
10" Insulated Flex Duct	850	Lin Ft	0.05	42.5	50.04	2,127	0.66	561	0	0	0	0	2,688
1 1/2" Fiberglass Duct Wrap	2,890	Sq Ft	0.021	60.7	50.04	3,037	0.3	867	0	0	0	0	3,904
10" Galvanized 90 Degree Ell	170	Each	0.125	21.3	50.04	1,066	4.81	818	0	0	0	0	1,884
10" Galvanized Conical Spin-In Collar w/Damper	170	Each	0.17	28.9	50.04	1,446	7.2	1,224	0	0	0	0	2,670
Tie Bands	340	Each	0.15	51.0	0	0	0.28	95	0	0	0	0	95
24" x 24" Lay-In Diffuser w/Damper	170	Each	0.65	110.5	50.04	5,529	70	11,900	0	0	0	0	17,429
10" Supply Air Diffuser & Branch				357.4		15,332		16,825		0		0	32,157
Total Subcontract Amount				357.4		0		0		0		32,157	32,157
Gym Supply Air Diffuser	16	Each	QUANTITY: 1.25	20.0	16 Each 50.04	1,001	225	3,600	0	0	0	0	4,601
Gym Supply Air Diffuser				20.0		1,001		3,600		0		0	4,601
Total Subcontract Amount				20.0		0		0		0		4,601	4,601
SUB-TOTAL				9,254.4		0		0		0		858,108	858,108
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	68,649	68,649
SUB-TOTAL				9,254.4		0		0		0		926,757	926,757
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	55,605	55,605
*** HEATING, VENTILATING & AIR CONDITIONING ESTIMATED COST ***				9,254.4		0		0		0		982,362	982,362
CONTROLS													
Temperature Controls	83,650	Sq Ft	0	0.0	0	0	0	0	0	0	2.8	234,220	234,220
*** CONTROLS ESTIMATED COST ***				0.0		0		0		0		234,220	234,220

EST NUMBER: WEBFEAS02  
RUN DATE.: 08/05/09 08:52am  
DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
ANYTOWN, ANYWHERE  
ELECTRICAL SUMMARY - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
PAGE: 126

DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
SERVICE AND DISTRIBUTION	1,793.1	0	0	0	238,856	238,856
BRANCH POWER SYSTEM	2,561.8	0	0	0	185,928	185,928
BRANCH LIGHTING SYSTEM	4,431.9	0	0	0	334,549	334,549
EQUIPMENT WIRING SYSTEM	1,659.7	0	0	0	153,821	153,821
EMERGENCY DISTRIBUTION SYSTEM	473.7	0	0	0	48,819	48,819
CABLE TRAY SYSTEM	279.7	0	0	0	28,049	28,049
SECURITY SYSTEM	165.0	0	0	0	26,059	26,059
FIRE ALARM SYSTEM	906.2	0	0	0	79,039	79,039
SYNCHRONOUS CLOCK SYSTEM	233.7	0	0	0	29,940	29,940
DATA AND VOICE SYSTEM	1,379.0	0	0	0	118,288	118,288
INTERCOM AND PUBLIC ADDRESS SYSTEM	711.1	0	0	0	100,417	100,417
MULTI PURPOSE - GYMNASIUM SOUND SYSTEM	61.6	0	0	0	30,146	30,146
CATV SYSTEM	424.2	0	0	0	64,865	64,865
*** ELECTRICAL ESTIMATED COST ***	15,080.7	0	0	0	1,438,776	1,438,776



DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Total Subcontract Amount				123.3		0		0		0		10,540	10,540
1200A Main Electrical Switchboard - 480V			QUANTITY:		1 Each								
1200 Amp Switchboard Main Section Nema 1 480 Volt Three Phase 4 Wire	1	Each	16	16.0	49.21	787	8,000	8,000	0	0	0	0	8,787
1200 Amp Switchboard Distribution Section - Nema 1 480 Volt Three Phase 4 Wire	1	Each	16	16.0	49.21	787	0	0	0	0	0	0	787
1200 Amp Switchboard Main Circuit Breaker 480 Volt Three Phase 4 Wire	1	Each	12	12.0	49.21	591	2,065	2,065	0	0	0	0	2,656
Switchboard Breaker 100 Amp 3 Pole 480 Volt Three Phase	10	Each	0.94	9.4	49.21	463	0	0	0	0	0	0	463
Switchboard Breaker 200 Amp 3 Pole 480 Volt Three Phase	6	Each	1.62	9.7	49.21	477	0	0	0	0	0	0	477
3' x 8' Concrete Housekeeping Pad for Interior Mounted Switchgear	1	Each	3	3.0	49.21	148	145	145	0	0	0	0	293
1200A Main Electrical Switchboard - 480V				66.1		3,253		10,210		0		0	13,463
Total Subcontract Amount				66.1		0		0		0		13,463	13,463
TVSS Unit for 208V Panelboard Surge Supression for 208 Volt Panelboard	11	Each	QUANTITY: 3	33.0	11 Each 49.21	1,624	1,500	16,500	0	0	0	0	18,124
TVSS Unit for 208V Panelboard				33.0		1,624		16,500		0		0	18,124
Total Subcontract Amount				33.0		0		0		0		18,124	18,124
TVSS Unit for 480V Switchboard Surge Supression for 480 Volt Switchboard	1	Each	QUANTITY: 3	3.0	1 Each 49.21	148	3,500	3,500	0	0	0	0	3,648
TVSS Unit for 480V Switchboard				3.0		148		3,500		0		0	3,648
Total Subcontract Amount				3.0		0		0		0		3,648	3,648
45 KVA Dry Transformer - 115 Degree K4			QUANTITY:		12 Each								
3/4" Electrical Metallic Tubing	300	Lin Ft	0.05	15.0	49.21	738	0.86	258	0	0	0	0	996
1" Electrical Metallic Tubing	2,100	Lin Ft	0.055	115.5	49.21	5,684	0.64	1,344	0	0	0	0	7,028
1-1/2" Electrical Metallic Tubing	120	Lin Ft	0.07	8.4	49.21	413	2.69	323	0	0	0	0	736
3/4" Steel Flexible Conduit	60	Lin Ft	0.05	3.0	49.21	148	0.34	20	0	0	0	0	168
1" Steel Flexible Conduit	60	Lin Ft	0.075	4.5	49.21	221	0.64	38	0	0	0	0	259
1-1/2" Steel Flexible Conduit	60	Lin Ft	0.15	9.0	49.21	443	1.47	88	0	0	0	0	531
3/4" EMT Set Screw Steel Coupling	30	Each	0	0.0	0	0	1.1785	35	0	0	0	0	35

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 129

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
1" EMT Set Screw Steel Coupling	210	Each	0	0.0	0	0	0.81	170	0	0	0	0	170
1-1/2" EMT Set Screw Steel Coupling	12	Each	0	0.0	0	0	2.2248	27	0	0	0	0	27
3/4" EMT Set Screw Steel Connector Non Insulated Throat	24	Each	0.1	2.4	49.21	118	0.3482	8	0	0	0	0	126
1" EMT Set Screw Steel Connector Non Insulated Throat	24	Each	0.12	2.9	49.21	143	0.67	16	0	0	0	0	159
1-1/2" EMT Set Screw Steel Connector Non Insulated Throat	24	Each	0.2	4.8	49.21	236	1.79	43	0	0	0	0	279
3/4" Steel Grounding Bushing Insulated	24	Each	0.21	5.0	49.21	246	3.2876	79	0	0	0	0	325
1" Steel Grounding Bushing Insulated	24	Each	0.22	5.3	49.21	261	3.74	90	0	0	0	0	351
1-1/2" Steel Grounding Bushing Insulated	24	Each	0.4	9.6	49.21	472	5.893	141	0	0	0	0	613
3/4" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	12	Each	0.14	1.7	49.21	84	1.2257	15	0	0	0	0	99
1" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	12	Each	0.17	2.0	49.21	98	3.3426	40	0	0	0	0	138
1-1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	12	Each	0.25	3.0	49.21	148	7.172	86	0	0	0	0	234
3/4" Flexible Conduit Connector Steel Squeeze Style - 90 Degree Non Insulated Throat	12	Each	0.17	2.0	49.21	98	2.4492	29	0	0	0	0	127
1" Flexible Conduit Connector Steel Squeeze Style - 90 Degree Non Insulated Throat	12	Each	0.21	2.5	49.21	123	5.2584	63	0	0	0	0	186
1-1/2" Flexible Conduit Connector Steel Squeeze Style - 90 Degree Non Insulated Throat	12	Each	0.31	3.7	49.21	182	15.6006	187	0	0	0	0	369
1-1/2" EMT Conduit Hanger w/Bolt	24	Each	0.275	6.6	49.21	325	0.25	6	0	0	0	0	331
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	42	Each	0.01	0.4	49.21	20	0.7	29	0	0	0	0	49
1" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	263	Each	0.01	2.6	49.21	128	0.83	218	0	0	0	0	346
#10 THHN Stranded Copper Wire	2,310	Lin Ft	0.0075	17.3	49.21	851	0.07	162	0	0	0	0	1,013
#6 THHN Stranded Copper Wire	6,930	Lin Ft	0.012	83.2	49.21	4,094	0.34	2,356	0	0	0	0	6,450
#3 THHN Stranded Copper Wire	960	Lin Ft	0.016	15.4	49.21	758	0.62	595	0	0	0	0	1,353
45 KVA Three Phase Dry Transformer K Factor 480 Volt x 208 Volt	12	Each	16.2	194.4	49.21	9,566	1,250.3	15,004	0	0	0	0	24,570
15-45 Dry Transformer Lug Kit	12	Each	0	0.0	0	0	39.2	470	0	0	0	0	470
2' x 3' Concrete Housekeeping Pad for Interior Pad Mounted Transformer	12	Each	2	24.0	49.21	1,181	60	720	0	0	0	0	1,901
45 KVA Dry Transformer - 115 Degree K4				544.2		26,779		22,660		0		0	49,439
Total Subcontract Amount				544.2		0		0		0		49,439	49,439

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
45 KVA Dry Transformer - 115 Degree			QUANTITY:		2 Each								
3/4" Electrical Metallic Tubing	50	Lin Ft	0.05	2.5	49.21	123	0.86	43	0	0	0	0	166
1" Electrical Metallic Tubing	150	Lin Ft	0.055	8.3	49.21	408	0.64	96	0	0	0	0	504
1-1/2" Electrical Metallic Tubing	20	Lin Ft	0.07	1.4	49.21	69	2.69	54	0	0	0	0	123
3/4" Steel Flexible Conduit	10	Lin Ft	0.05	0.5	49.21	25	0.34	3	0	0	0	0	28
1" Steel Flexible Conduit	10	Lin Ft	0.075	0.8	49.21	39	0.64	6	0	0	0	0	45
1-1/2" Steel Flexible Conduit	10	Lin Ft	0.15	1.5	49.21	74	1.47	15	0	0	0	0	89
3/4" EMT Set Screw Steel Coupling	5	Each	0	0.0	0	0	1.1785	6	0	0	0	0	6
1" EMT Set Screw Steel Coupling	15	Each	0	0.0	0	0	0.81	12	0	0	0	0	12
1-1/2" EMT Set Screw Steel Coupling	2	Each	0	0.0	0	0	2.2248	4	0	0	0	0	4
3/4" EMT Set Screw Steel Connector Non Insulated Throat	4	Each	0.1	0.4	49.21	20	0.3482	1	0	0	0	0	21
1" EMT Set Screw Steel Connector Non Insulated Throat	4	Each	0.12	0.5	49.21	25	0.67	3	0	0	0	0	28
1-1/2" EMT Set Screw Steel Connector Non Insulated Throat	4	Each	0.2	0.8	49.21	39	1.79	7	0	0	0	0	46
3/4" Steel Grounding Bushing Insulated	4	Each	0.21	0.8	49.21	39	3.2876	13	0	0	0	0	52
1" Steel Grounding Bushing Insulated	4	Each	0.22	0.9	49.21	44	3.74	15	0	0	0	0	59
1-1/2" Steel Grounding Bushing Insulated	4	Each	0.4	1.6	49.21	79	5.893	24	0	0	0	0	103
3/4" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	2	Each	0.14	0.3	49.21	15	1.2257	2	0	0	0	0	17
1" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	2	Each	0.17	0.3	49.21	15	3.3426	7	0	0	0	0	22
1-1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	2	Each	0.25	0.5	49.21	25	7.172	14	0	0	0	0	39
3/4" Flexible Conduit Connector Steel Squeeze Style - 90 Degree Non Insulated Throat	2	Each	0.17	0.3	49.21	15	2.4492	5	0	0	0	0	20
1" Flexible Conduit Connector Steel Squeeze Style - 90 Degree Non Insulated Throat	2	Each	0.21	0.4	49.21	20	5.2584	11	0	0	0	0	31
1-1/2" Flexible Conduit Connector Steel Squeeze Style - 90 Degree Non Insulated Throat	2	Each	0.31	0.6	49.21	30	15.6006	31	0	0	0	0	61
1-1/2" EMT Conduit Hanger w/Bolt	4	Each	0.275	1.1	49.21	54	0.25	1	0	0	0	0	55
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	7	Each	0.01	0.1	49.21	5	0.7	5	0	0	0	0	10
1" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	19	Each	0.01	0.2	49.21	10	0.83	16	0	0	0	0	26
#10 THHN Stranded Copper Wire	165	Lin Ft	0.0075	1.2	49.21	59	0.07	12	0	0	0	0	71

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
#6 THHN Stranded Copper Wire	495	Lin Ft	0.012	5.9	49.21	290	0.34	168	0	0	0	0	458
#3 THHN Stranded Copper Wire	160	Lin Ft	0.016	2.6	49.21	128	0.62	99	0	0	0	0	227
45 KVA Three Phase Dry Transformer Standard 480 Volt x 208 Volt	2	Each	13	26.0	49.21	1,279	712.88	1,426	0	0	0	0	2,705
15-45 Dry Transformer Lug Kit	2	Each	0	0.0	0	0	39.2	78	0	0	0	0	78
2' x 3' Concrete Housekeeping Pad for Interior Pad Mounted Transformer	2	Each	2	4.0	49.21	197	60	120	0	0	0	0	317
45 KVA Dry Transformer - 115 Degree				63.5		3,126		2,297		0		0	5,423
Total Subcontract Amount				63.5		0		0		0		5,423	5,423
SUB-TOTAL				1,793.1		0		0		0		208,644	208,644
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	16,692	16,692
SUB-TOTAL				1,793.1		0		0		0		225,336	225,336
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	13,520	13,520
*** SERVICE AND DISTRIBUTION ESTIMATED COST ***				1,793.1		0		0		0		238,856	238,856
BRANCH POWER SYSTEM													
120V GFI Receptacle - Floor			QUANTITY:		16 Each								
3/4" Electrical Metallic Tubing	320	Lin Ft	0.05	16.0	49.21	787	0.86	275	0	0	0	0	1,062
3/4" Poly Vinyl Chloride Conduit Schedule 40	320	Lin Ft	0.012	3.8	49.21	187	0.17	54	0	0	0	0	241
3/4" EMT Set Screw Steel Coupling	32	Each	0	0.0	0	0	1.1785	38	0	0	0	0	38
3/4" EMT Set Screw Steel Connector Non Insulated Throat	32	Each	0.1	3.2	49.21	157	0.3482	11	0	0	0	0	168
3/4" Locknut	16	Each	0.12	1.9	49.21	93	0.165	3	0	0	0	0	96
3/4" PVC Coupling Schedule 40	64	Each	0	0.0	0	0	0.3	19	0	0	0	0	19
3/4" PVC Female Adaptor Schedule 40-80	16	Each	0.16	2.6	49.21	128	0.57	9	0	0	0	0	137
3/4" PVC Male Adaptor Schedule 40-80	16	Each	0.16	2.6	49.21	128	0.5669	9	0	0	0	0	137
3/4" PVC 90 Degree x 36 Elbow Schedule 40	32	Each	0.3	9.6	49.21	472	0.8	26	0	0	0	0	498
#12 THHN Copper Solid Wire	2,816	Lin Ft	0.006	16.9	49.21	832	0.04	113	0	0	0	0	945
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	16	Each	0.3	4.8	49.21	236	0.5722	9	0	0	0	0	245
4" Square Flat Blank Cover	16	Each	0.08	1.3	49.21	64	0.67	11	0	0	0	0	75
1 Gang Deep Cast Iron Floor Box Square Box w/Round Opening	16	Each	1	16.0	49.21	787	33.08	529	0	0	0	0	1,316

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 132

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Round Brass Floor Box Cover for Duplex Receptacle	16	Each	0.25	4.0	49.21	197	33.16	531	0	0	0	0	728
Round Brass Carpet Flange 6-1/4" Outside Diameter	16	Each	0.25	4.0	49.21	197	43	688	0	0	0	0	885
20 Amp 125 Volt GFI Duplex Receptacle Ivory Premium Specification Grade Nema 5-20R Configuration	16	Each	0.35	5.6	49.21	276	19.01	304	0	0	0	0	580
120V GFI Receptacle - Floor				92.3		4,541		2,629		0		0	7,170
Total Subcontract Amount				92.3		0		0		0		7,170	7,170
120V GFI Duplex Receptacle - GWB			QUANTITY:		97 Each								
3/4" Electrical Metallic Tubing	1,940	Lin Ft	0.05	97.0	49.21	4,773	0.86	1,668	0	0	0	0	6,441
3/4" EMT Set Screw Steel Coupling	194	Each	0	0.0	0	0	1.1785	229	0	0	0	0	229
3/4" EMT Set Screw Steel Connector Non Insulated Throat	194	Each	0.1	19.4	49.21	955	0.3482	68	0	0	0	0	1,023
3/4" Metal Stud Conduit Clip	388	Each	0.01	3.9	49.21	192	0.72	279	0	0	0	0	471
#12 THHN Copper Solid Wire	8,536	Lin Ft	0.006	51.2	49.21	2,520	0.04	341	0	0	0	0	2,861
4" Square x 1-1/2" Deep Box w/Bracket 1/2" & 3/4" Knockouts	97	Each	0.3	29.1	49.21	1,432	0.8421	82	0	0	0	0	1,514
4" Square Single Gang Plaster Ring 5/8" Deep	97	Each	0.15	14.6	49.21	718	1.58	153	0	0	0	0	871
20 Amp 125 Volt GFI Duplex Receptacle Ivory Premium Specification Grade Nema 5-20R Configuration	97	Each	0.35	34.0	49.21	1,673	19.01	1,844	0	0	0	0	3,517
1 Gang Decorator or GFI Wall Plate Ivory Plastic	97	Each	0.1	9.7	49.21	477	0.3146	31	0	0	0	0	508
120V GFI Duplex Receptacle - GWB				258.9		12,740		4,695		0		0	17,435
Total Subcontract Amount				258.9		0		0		0		17,435	17,435
120V GFI Duplex Receptacle - Masonry			QUANTITY:		8 Each								
3/4" Electrical Metallic Tubing	160	Lin Ft	0.05	8.0	49.21	394	0.86	138	0	0	0	0	532
3/4" EMT Set Screw Steel Coupling	16	Each	0	0.0	0	0	1.1785	19	0	0	0	0	19
3/4" EMT Set Screw Steel Connector Non Insulated Throat	32	Each	0.1	3.2	49.21	157	0.3482	11	0	0	0	0	168
#12 THHN Copper Solid Wire	704	Lin Ft	0.006	4.2	49.21	207	0.04	28	0	0	0	0	235
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	8	Each	0.3	2.4	49.21	118	0.5722	5	0	0	0	0	123
4" Square Flat Blank Cover	8	Each	0.08	0.6	49.21	30	0.67	5	0	0	0	0	35
1 Gang Masonry Box (3-1/2" Deep)	8	Each	0.35	2.8	49.21	138	2.637	21	0	0	0	0	159
20 Amp 125 Volt GFI Duplex Receptacle Ivory Premium Specification Grade Nema 5-20R Configuration	8	Each	0.35	2.8	49.21	138	19.01	152	0	0	0	0	290

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1 Gang Decorator or GFI Wall Plate Ivory Plastic	8	Each	0.1	0.8	49.21	39	0.3146	3	0	0	0	0	42
120V GFI Duplex Receptacle - Masonry				24.8		1,221		382	0		0		1,603
Total Subcontract Amount				24.8		0		0	0		1,603		1,603
120V Duplex Receptacle - GWB			QUANTITY:		418 Each								
3/4" Electrical Metallic Tubing	8,360	Lin Ft	0.05	418.0	49.21	20,570	0.86	7,190	0	0	0	0	27,760
3/4" EMT Set Screw Steel Coupling	836	Each	0	0.0	0	0	1.1785	985	0	0	0	0	985
3/4" EMT Set Screw Steel Connector Non Insulated Throat	836	Each	0.1	83.6	49.21	4,114	0.3482	291	0	0	0	0	4,405
3/4" Metal Stud Conduit Clip	1,672	Each	0.01	16.7	49.21	822	0.72	1,204	0	0	0	0	2,026
#12 THHN Copper Solid Wire	36,784	Lin Ft	0.006	220.7	49.21	10,861	0.04	1,471	0	0	0	0	12,332
4" Square x 1-1/2" Deep Box w/Bracket 1/2" & 3/4" Knockouts	418	Each	0.3	125.4	49.21	6,171	0.8421	352	0	0	0	0	6,523
4" Square Single Gang Plaster Ring 5/8" Deep	418	Each	0.15	62.7	49.21	3,085	1.58	660	0	0	0	0	3,745
20 Amp 125 Volt Single Receptacle Ivory Premium Specification Grade Nema 5-15R Configuration	418	Each	0.3	125.4	49.21	6,171	4.53	1,894	0	0	0	0	8,065
1 Gang Duplex Wall Receptacle Plate Ivory Plastic	418	Each	0.1	41.8	49.21	2,057	0.1839	77	0	0	0	0	2,134
120V Duplex Receptacle - GWB				1,094.3		53,851		14,124	0		0		67,975
Total Subcontract Amount				1,094.3		0		0	0		67,975		67,975
120V Duplex Receptacle - Masonry			QUANTITY:		8 Each								
3/4" Electrical Metallic Tubing	160	Lin Ft	0.05	8.0	49.21	394	0.86	138	0	0	0	0	532
3/4" EMT Set Screw Steel Coupling	16	Each	0	0.0	0	0	1.1785	19	0	0	0	0	19
3/4" EMT Set Screw Steel Connector Non Insulated Throat	32	Each	0.1	3.2	49.21	157	0.3482	11	0	0	0	0	168
#12 THHN Copper Solid Wire	840	Lin Ft	0.006	5.0	49.21	246	0.04	34	0	0	0	0	280
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	8	Each	0.3	2.4	49.21	118	0.5722	5	0	0	0	0	123
4" Square Flat Blank Cover	8	Each	0.08	0.6	49.21	30	0.67	5	0	0	0	0	35
1 Gang Masonry Box (3-1/2" Deep)	8	Each	0.35	2.8	49.21	138	2.637	21	0	0	0	0	159
20 Amp 125 Volt Single Receptacle Ivory Premium Specification Grade Nema 5-15R Configuration	8	Each	0.3	2.4	49.21	118	4.53	36	0	0	0	0	154
1 Gang Duplex Wall Receptacle Plate Ivory Plastic	8	Each	0.1	0.8	49.21	39	0.1839	1	0	0	0	0	40
120V Duplex Receptacle - Masonry				25.2		1,240		270	0		0		1,510
Total Subcontract Amount				25.2		0		0	0		1,510		1,510

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
120V Duplex Receptacle - Surface Mounted			QUANTITY:		1 Each								
3/4" Electrical Metallic Tubing	20	Lin Ft	0.05	1.0	49.21	49	0.86	17	0	0	0	0	66
3/4" EMT Set Screw Steel Coupling	2	Each	0	0.0	0	0	1.1785	2	0	0	0	0	2
3/4" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.1	0.2	49.21	10	0.3482	1	0	0	0	0	11
3/4" EMT Conduit Hanger w/Bolt	4	Each	0.25	1.0	49.21	49	0.18	1	0	0	0	0	50
#12 THHN Copper Solid Wire	88	Lin Ft	0.006	0.5	49.21	25	0.04	4	0	0	0	0	29
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	1	Each	0.3	0.3	49.21	15	0.5722	1	0	0	0	0	16
4" Square Industrial Raised Cover for 1 Duplex Receptacle	1	Each	0.12	0.1	49.21	5	1.15	1	0	0	0	0	6
20 Amp 125 Volt Single Receptacle Ivory Premium Specification Grade Nema 5-15R Configuration	1	Each	0.3	0.3	49.21	15	4.53	5	0	0	0	0	20
				3.4		168		32		0		0	200
120V Duplex Receptacle - Surface Mounted				3.4		0		0		0		200	200
Total Subcontract Amount				3.4		0		0		0		200	200
Kiln Power Outlet			QUANTITY:		1 Each								
1" Electrical Metallic Tubing	100	Lin Ft	0.055	5.5	49.21	271	0.64	64	0	0	0	0	335
1" EMT Set Screw Steel Coupling	10	Each	0	0.0	0	0	0.81	8	0	0	0	0	8
1" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.12	0.2	49.21	10	0.67	1	0	0	0	0	11
1" EMT Conduit Hanger w/Bolt	13	Each	0.25	3.3	49.21	162	0.21	3	0	0	0	0	165
#10 THHN Stranded Copper Wire	110	Lin Ft	0.0075	0.8	49.21	39	0.07	8	0	0	0	0	47
#6 THHN Stranded Copper Wire	330	Lin Ft	0.012	4.0	49.21	197	0.34	112	0	0	0	0	309
4-11/16" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	1	Each	0.3	0.3	49.21	15	2.54	3	0	0	0	0	18
4-11/16" Square Industrial Raised Cover for 1 - 2.6" O.D. Single Receptacle	1	Each	0.15	0.2	49.21	10	9.65	10	0	0	0	0	20
60 Amp Kiln Power Receptacle	1	Each	0.5	0.5	49.21	25	50	50	0	0	0	0	75
				14.8		729		259		0		0	988
Kiln Power Outlet				14.8		0		0		0		988	988
Total Subcontract Amount				14.8		0		0		0		988	988
Welder Outlet for Mechanical Room			QUANTITY:		1 Each								
1" Electrical Metallic Tubing	100	Lin Ft	0.055	5.5	49.21	271	0.64	64	0	0	0	0	335
1" EMT Set Screw Steel Coupling	10	Each	0	0.0	0	0	0.81	8	0	0	0	0	8

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
1" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.12	0.2	49.21	10	0.67	1	0	0	0	0	11
1" EMT Conduit Hanger w/Bolt	13	Each	0.25	3.3	49.21	162	0.21	3	0	0	0	0	165
#10 THHN Stranded Copper Wire	110	Lin Ft	0.0075	0.8	49.21	39	0.07	8	0	0	0	0	47
#6 THHN Stranded Copper Wire	330	Lin Ft	0.012	4.0	49.21	197	0.34	112	0	0	0	0	309
4-11/16" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	1	Each	0.3	0.3	49.21	15	2.54	3	0	0	0	0	18
4-11/16" Square Industrial Raised Cover for 1 - 2.6" O.D. Single Receptacle	1	Each	0.15	0.2	49.21	10	9.65	10	0	0	0	0	20
60 Amp Welder Receptacle	1	Each	0.5	0.5	49.21	25	50	50	0	0	0	0	75
Welder Outlet for Mechanical Room				14.8		729		259		0		0	988
Total Subcontract Amount				14.8		0		0		0		988	988
Power Circuit Home Run			QUANTITY:		45 Each								
3/4" Electrical Metallic Tubing	4,475	Lin Ft	0.05	223.8	49.21	11,013	0.86	3,849	0	0	0	0	14,862
3/4" EMT Set Screw Steel Coupling	448	Each	0	0.0	0	0	1.1785	528	0	0	0	0	528
3/4" EMT Set Screw Steel Connector Non Insulated Throat	90	Each	0.1	9.0	49.21	443	0.3482	31	0	0	0	0	474
3/4" T-Bar Wire Conduit Clip	559	Each	0.01	5.6	49.21	276	0.21	117	0	0	0	0	393
1/8" Flange Clip for Wire & S Hooks	559	Each	0.01	5.6	49.21	276	0.28	157	0	0	0	0	433
#12 x 12' Ceiling Wire	280	Each	0.04	11.2	49.21	551	2.46	689	0	0	0	0	1,240
#12 THHN Copper Solid Wire	44,303	Lin Ft	0.006	265.8	49.21	13,080	0.04	1,772	0	0	0	0	14,852
Red Wing-Nut	358	Each	0	0.0	0	0	0.075	27	0	0	0	0	27
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	90	Each	0.3	27.0	49.21	1,329	0.5722	51	0	0	0	0	1,380
4" Square Flat Blank Cover	45	Each	0.08	3.6	49.21	177	0.67	30	0	0	0	0	207
Power Circuit Home Run				551.6		27,145		7,251		0		0	34,396
Total Subcontract Amount				551.6		0		0		0		34,396	34,396
120V Quad Duplex Receptacle - GWB			QUANTITY:		155 Each								
3/4" Electrical Metallic Tubing	3,100	Lin Ft	0.05	155.0	49.21	7,628	0.86	2,666	0	0	0	0	10,294
3/4" EMT Set Screw Steel Coupling	310	Each	0	0.0	0	0	1.1785	365	0	0	0	0	365
3/4" EMT Set Screw Steel Connector Non Insulated Throat	310	Each	0.1	31.0	49.21	1,526	0.3482	108	0	0	0	0	1,634
3/4" Metal Stud Conduit Clip	620	Each	0.01	6.2	49.21	305	0.72	446	0	0	0	0	751

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
#12 THHN Copper Solid Wire	13,640	Lin Ft	0.006	81.8	49.21	4,025	0.04	546	0	0	0	0	4,571
4" Square x 1-1/2" Deep Box w/Bracket 1/2" & 3/4" Knockouts	155	Each	0.3	46.5	49.21	2,288	0.8421	131	0	0	0	0	2,419
4" Square 2 Gang Plaster Ring 5/8" Deep	155	Each	0.15	23.3	49.21	1,147	2.11	327	0	0	0	0	1,474
20 Amp 125 Volt Single Receptacle Ivory Premium Specification Grade Nema 5-15R Configuration	310	Each	0.3	93.0	49.21	4,577	4.53	1,404	0	0	0	0	5,981
2 Gang Duplex Wall Receptacle Plate Ivory Plastic	155	Each	0.12	18.6	49.21	915	0.3834	59	0	0	0	0	974
120V Quad Duplex Receptacle - GWB				455.4		22,411		6,052	0		0		28,463
Total Subcontract Amount				455.4		0		0			28,463		28,463
Raceway System for Scoreboard Control			QUANTITY:		1 Each								
1" Electrical Metallic Tubing	150	Lin Ft	0.055	8.3	49.21	408	0.64	96	0	0	0	0	504
1" EMT Set Screw Steel Coupling	15	Each	0	0.0	0	0	0.81	12	0	0	0	0	12
1" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.12	0.2	49.21	10	0.67	1	0	0	0	0	11
1" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	19	Each	0.01	0.2	49.21	10	0.83	16	0	0	0	0	26
#14 THHN Stranded Copper Wire	1,600	Lin Ft	0.005	8.0	49.21	394	0.07	112	0	0	0	0	506
2 Gang Masonry Box (3-1/2" Deep)	1	Each	0.37	0.4	49.21	20	4.51	5	0	0	0	0	25
2 Gang Blank Wall Plate Stainless Steel 430	1	Each	0.12	0.1	49.21	5	2.64	3	0	0	0	0	8
Raceway System for Scoreboard Control				17.2		847		245	0		0		1,092
Total Subcontract Amount				17.2		0		0			1,092		1,092
120V Power Connection For Scoreboard			QUANTITY:		1 Each								
3/4" Electrical Metallic Tubing	100	Lin Ft	0.05	5.0	49.21	246	0.86	86	0	0	0	0	332
3/4" EMT Set Screw Steel Coupling	10	Each	0	0.0	0	0	1.1785	12	0	0	0	0	12
3/4" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.1	0.2	49.21	10	0.3482	1	0	0	0	0	11
3/4" T-Bar Wire Conduit Clip	13	Each	0.01	0.1	49.21	5	0.21	3	0	0	0	0	8
1/8" Flange Clip for Wire & S Hooks	13	Each	0.01	0.1	49.21	5	0.28	4	0	0	0	0	9
#12 x 12' Ceiling Wire	6	Each	0.04	0.2	49.21	10	2.46	15	0	0	0	0	25
#12 THHN Copper Solid Wire	330	Lin Ft	0.006	2.0	49.21	98	0.04	13	0	0	0	0	111
1 Gang Masonry Box (3-1/2" Deep)	1	Each	0.35	0.4	49.21	20	2.637	3	0	0	0	0	23
1 Gang Blank Wall Plate Stainless Steel 430	1	Each	0.1	0.1	49.21	5	0.9185	1	0	0	0	0	6

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
20 Amp Equipment Connection	1	Each	1	1.0	49.21	49	5	5	0	0	0	0	54
120V Power Connection For Scoreboard				9.1		448		143		0		0	591
Total Subcontract Amount				9.1		0		0		0		591	591
SUB-TOTAL				2,561.8		0		0		0		162,411	162,411
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	12,993	12,993
SUB-TOTAL				2,561.8		0		0		0		175,404	175,404
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	10,524	10,524
*** BRANCH POWER SYSTEM ESTIMATED COST ***				2,561.8		0		0		0		185,928	185,928
BRANCH LIGHTING SYSTEM													
Elementary School Stage Lighting			QUANTITY:		3 Each								
500 Watt Stage Flood Lighting Fixture	27	Each	0.75	20.3	49.21	999	375	10,125	0	0	0	0	11,124
Stage Lighting Bar, 9 Circuit 46 Foot w/Pigtails	3	Each	20	60.0	49.21	2,953	1,400	4,200	0	0	0	0	7,153
Install Stage Fixture Lighting Bar	3	Each	20	60.0	49.21	2,953	500	1,500	0	0	0	0	4,453
3/4" Electrical Metallic Tubing	900	Lin Ft	0.05	45.0	49.21	2,214	0.86	774	0	0	0	0	2,988
3/4" EMT Set Screw Steel Coupling	90	Each	0	0.0	0	0	1.1785	106	0	0	0	0	106
3/4" EMT Set Screw Steel Connector Non Insulated Throat	36	Each	0.1	3.6	49.21	177	0.3482	13	0	0	0	0	190
3/4" EMT Conduit Hanger w/Bolt	113	Each	0.25	28.3	49.21	1,393	0.18	20	0	0	0	0	1,413
#10 THHN Stranded Copper Wire	9,000	Lin Ft	0.0075	67.5	49.21	3,322	0.07	630	0	0	0	0	3,952
4" Square x 2-1/8" Deep Box	27	Each	0.3	8.1	49.21	399	1.3705	37	0	0	0	0	436
1/2" & 3/4" Knockouts													
4" Square Flat Blank Cover	27	Each	0.08	2.2	49.21	108	0.67	18	0	0	0	0	126
750 Watt Dimmer for Stage Flood Fixture	27	Each	0.5	13.5	49.21	664	175	4,725	0	0	0	0	5,389
Elementary School Stage Lighting				308.5		15,182		22,148		0		0	37,330
Total Subcontract Amount				308.5		0		0		0		37,330	37,330
1 x 4 Surface Fluorescent Fixture - 277V			QUANTITY:		46 Each								
1' x 4' 2 Lamp Surface Fluorescent Specification Grade 277 Volt	46	Each	0.85	39.1	49.21	1,924	0	0	0	0	0	0	1,924
1/2" Electrical Metallic Tubing	1,150	Lin Ft	0.045	51.8	49.21	2,549	0.2	230	0	0	0	0	2,779

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
1/2" EMT Set Screw Steel Coupling	115	Each	0	0.0	0	0	0.5994	69	0	0	0	69
1/2" EMT Set Screw Steel Connector Non Insulated Throat	92	Each	0.08	7.4	49.21	364	0.2141	20	0	0	0	384
1/2" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	230	Each	0.01	2.3	49.21	113	0.7	161	0	0	0	274
#12 THHN Copper Solid Wire	5,060	Lin Ft	0.006	30.4	49.21	1,496	0.04	202	0	0	0	1,698
Red Wing-Nut	184	Each	0	0.0	0	0	0.075	14	0	0	0	14
Yellow Wing-Nut	184	Each	0	0.0	0	0	0.058	11	0	0	0	11
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	46	Each	0.3	13.8	49.21	679	0.5722	26	0	0	0	705
4" Square to 3" Round Plaster Ring 5/8" Deep	46	Each	0.15	6.9	49.21	340	1.97	91	0	0	0	431
1 x 4 Surface Fluorescent Fixture - 277V				151.7		7,465		824			0	8,289
Total Subcontract Amount				151.7		0		0			8,289	8,289
2 x 4 Grid Troffer 2 Lamp - 277 Volt			QUANTITY:		166 Each							
2' x 4' Static Spec Troffer - 2 Lamp	166	Each	0.89	147.7	49.21	7,268	0	0	0	0	0	7,268
277 Volt for ATC Grid Ceilings												
1/2" Electrical Metallic Tubing	2,490	Lin Ft	0.045	112.1	49.21	5,516	0.2	498	0	0	0	6,014
1/2" EMT Set Screw Steel Coupling	249	Each	0	0.0	0	0	0.5994	149	0	0	0	149
1/2" EMT Set Screw Steel Connector Non Insulated Throat	332	Each	0.08	26.6	49.21	1,309	0.2141	71	0	0	0	1,380
1/2" T-Bar Wire Conduit Clip	332	Each	0.01	3.3	49.21	162	0.193	64	0	0	0	226
1/8" Flange Clip for Wire & S Hooks	332	Each	0.01	3.3	49.21	162	0.28	93	0	0	0	255
#12 x 12' Ceiling Wire	166	Each	0.04	6.6	49.21	325	2.46	408	0	0	0	733
#12 THHN Copper Solid Wire	11,288	Lin Ft	0.006	67.7	49.21	3,332	0.04	452	0	0	0	3,784
Red Wing-Nut	664	Each	0	0.0	0	0	0.075	50	0	0	0	50
Yellow Wing-Nut	664	Each	0	0.0	0	0	0.058	39	0	0	0	39
Manufactured Fixture Whip	166	Each	0.2	33.2	49.21	1,634	3.2	531	0	0	0	2,165
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	166	Each	0.3	49.8	49.21	2,451	0.5722	95	0	0	0	2,546
4" Square Flat Blank Cover	166	Each	0.08	13.3	49.21	654	0.67	111	0	0	0	765
2 x 4 Grid Troffer 2 Lamp - 277 Volt				463.6		22,813		2,561			0	25,374
Total Subcontract Amount				463.6		0		0			25,374	25,374

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
2 x 4 Grid Troffer 2 Lamp - 277V Emerg			QUANTITY:		66 Each							
2' x 4' Static Spec Troffer - 2 Lamp	66	Each	0.89	58.7	49.21	2,889	0	0	0	0	0	2,889
277 Volt for ATC Grid Ceilings												
1/2" Electrical Metallic Tubing	1,650	Lin Ft	0.045	74.3	49.21	3,656	0.2	330	0	0	0	3,986
1/2" EMT Set Screw Steel Coupling	165	Each	0	0.0	0	0	0.5994	99	0	0	0	99
1/2" EMT Set Screw Steel Connector Non Insulated Throat	132	Each	0.08	10.6	49.21	522	0.2141	28	0	0	0	550
1/2" T-Bar Wire Conduit Clip	264	Each	0.01	2.6	49.21	128	0.193	51	0	0	0	179
1/8" Flange Clip for Wire & S Hooks	264	Each	0.01	2.6	49.21	128	0.28	74	0	0	0	202
#12 x 12' Ceiling Wire	132	Each	0.04	5.3	49.21	261	2.46	325	0	0	0	586
#10 THHN Stranded Copper Wire	7,128	Lin Ft	0.0075	53.5	49.21	2,633	0.07	499	0	0	0	3,132
Red Wing-Nut	264	Each	0	0.0	0	0	0.075	20	0	0	0	20
Yellow Wing-Nut	264	Each	0	0.0	0	0	0.058	15	0	0	0	15
Manufactured Fixture Whip	66	Each	0.2	13.2	49.21	650	3.2	211	0	0	0	861
4" Square x 1-1/2" Deep Box	66	Each	0.3	19.8	49.21	974	0.5722	38	0	0	0	1,012
1/2" & 3/4" Knockouts												
4" Square Flat Blank Cover	66	Each	0.08	5.3	49.21	261	0.67	44	0	0	0	305
2 x 4 Grid Troffer 2 Lamp - 277V Emerg				245.9		12,102		1,734		0	0	13,836
Total Subcontract Amount				245.9		0		0		0	13,836	13,836
2 x 4 Grid Troffer 3 Lamp - 277 Volt			QUANTITY:		652 Each							
2' x 4' Static Spec Troffer - 3 Lamp	652	Each	0.98	639.0	49.21	31,445	0	0	0	0	0	31,445
277 Volt for ATC Grid Ceilings												
1/2" Electrical Metallic Tubing	9,780	Lin Ft	0.045	440.1	49.21	21,657	0.2	1,956	0	0	0	23,613
1/2" EMT Set Screw Steel Coupling	978	Each	0	0.0	0	0	0.5994	586	0	0	0	586
1/2" EMT Set Screw Steel Connector Non Insulated Throat	1,304	Each	0.08	104.3	49.21	5,133	0.2141	279	0	0	0	5,412
1/2" T-Bar Wire Conduit Clip	1,304	Each	0.01	13.0	49.21	640	0.193	252	0	0	0	892
1/8" Flange Clip for Wire & S Hooks	1,304	Each	0.01	13.0	49.21	640	0.28	365	0	0	0	1,005
#12 x 12' Ceiling Wire	652	Each	0.04	26.1	49.21	1,284	2.46	1,604	0	0	0	2,888
#12 THHN Copper Solid Wire	44,336	Lin Ft	0.006	266.0	49.21	13,090	0.04	1,773	0	0	0	14,863
Red Wing-Nut	2,608	Each	0	0.0	0	0	0.075	196	0	0	0	196
Yellow Wing-Nut	2,608	Each	0	0.0	0	0	0.058	151	0	0	0	151
Manufactured Fixture Whip	652	Each	0.2	130.4	49.21	6,417	3.2	2,086	0	0	0	8,503

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	652	Each	0.3	195.6	49.21	9,625	0.5722	373	0	0	0	9,998
4" Square Flat Blank Cover	652	Each	0.08	52.2	49.21	2,569	0.67	437	0	0	0	3,006
				1,879.7		92,500		10,058		0		102,558
Total Subcontract Amount				1,879.7		0		0		0	102,558	102,558
2 x 4 Grid Troffer 3 Lamp - 277V Emerg			QUANTITY:		12 Each							
2' x 4' Static Spec Troffer - 3 Lamp 277 Volt for ATC Grid Ceilings	12	Each	0.98	11.8	49.21	581	0	0	0	0	0	581
1/2" Electrical Metallic Tubing	540	Lin Ft	0.045	24.3	49.21	1,196	0.2	108	0	0	0	1,304
1/2" EMT Set Screw Steel Coupling	54	Each	0	0.0	0	0	0.5994	32	0	0	0	32
1/2" EMT Set Screw Steel Connector Non Insulated Throat	48	Each	0.08	3.8	49.21	187	0.2141	10	0	0	0	197
1/2" T-Bar Wire Conduit Clip	68	Each	0.01	0.7	49.21	34	0.193	13	0	0	0	47
1/8" Flange Clip for Wire & S Hooks	68	Each	0.01	0.7	49.21	34	0.28	19	0	0	0	53
#12 x 12' Ceiling Wire	36	Each	0.04	1.4	49.21	69	2.46	89	0	0	0	158
#12 THHN Copper Solid Wire	2,352	Lin Ft	0.006	14.1	49.21	694	0.04	94	0	0	0	788
Red Wing-Nut	96	Each	0	0.0	0	0	0.075	7	0	0	0	7
Yellow Wing-Nut	96	Each	0	0.0	0	0	0.058	6	0	0	0	6
Manufactured Fixture Whip	24	Each	0.2	4.8	49.21	236	3.2	77	0	0	0	313
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	24	Each	0.3	7.2	49.21	354	0.5722	14	0	0	0	368
4" Square Flat Blank Cover	24	Each	0.08	1.9	49.21	93	0.67	16	0	0	0	109
				70.7		3,478		485		0		3,963
Total Subcontract Amount				70.7		0		0		0	3,963	3,963
2 x 4 Grid Troffer 3 Lamp With Low Level			QUANTITY:		80 Each							
2' x 4' Static Spec Troffer 3 Lamp w/(1) PL Lamp for Low Level Usage	80	Each	0.98	78.4	49.21	3,858	69	5,520	0	0	0	9,378
1/2" Electrical Metallic Tubing	2,400	Lin Ft	0.045	108.0	49.21	5,315	0.2	480	0	0	0	5,795
1/2" EMT Set Screw Steel Coupling	240	Each	0	0.0	0	0	0.5994	144	0	0	0	144
1/2" EMT Set Screw Steel Connector Non Insulated Throat	320	Each	0.08	25.6	49.21	1,260	0.2141	69	0	0	0	1,329
1/2" T-Bar Wire Conduit Clip	350	Each	0.01	3.5	49.21	172	0.193	68	0	0	0	240
1/8" Flange Clip for Wire & S Hooks	350	Each	0.01	3.5	49.21	172	0.28	98	0	0	0	270

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
#12 x 12' Ceiling Wire	175	Each	0.04	7.0	49.21	344	2.46	431	0	0	0	0	775
#12 THHN Copper Solid Wire	12,800	Lin Ft	0.006	76.8	49.21	3,779	0.04	512	0	0	0	0	4,291
Red Wing-Nut	640	Each	0	0.0	0	0	0.075	48	0	0	0	0	48
Yellow Wing-Nut	640	Each	0	0.0	0	0	0.058	37	0	0	0	0	37
Manufactured Fixture Whip	80	Each	0.2	16.0	49.21	787	3.2	256	0	0	0	0	1,043
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	80	Each	0.3	24.0	49.21	1,181	0.5722	46	0	0	0	0	1,227
4" Square Flat Blank Cover	80	Each	0.08	6.4	49.21	315	0.67	54	0	0	0	0	369
				349.2			17,183	7,763	0			0	24,946
2 x 4 Grid Troffer 3 Lamp With Low Level				349.2			0	0			24,946	0	24,946
Total Subcontract Amount				349.2			0	0			24,946	0	24,946
4' Wall Bracket 2 Lamp - 277 Volt			QUANTITY:	19 Each									
4' 2 Lamp Wall Bracket Fluorescent	19	Each	0.77	14.6	49.21	718	0	0	0	0	0	0	718
Specification Grade 277 Volt													
1/2" Electrical Metallic Tubing	475	Lin Ft	0.045	21.4	49.21	1,053	0.2	95	0	0	0	0	1,148
1/2" EMT Set Screw Steel Coupling	48	Each	0	0.0	0	0	0.5994	29	0	0	0	0	29
1/2" EMT Set Screw Steel Connector Non Insulated Throat	38	Each	0.08	3.0	49.21	148	0.2141	8	0	0	0	0	156
1/2" T-Bar Wire Conduit Clip	76	Each	0.01	0.8	49.21	39	0.193	15	0	0	0	0	54
1/8" Flange Clip for Wire & S Hooks	76	Each	0.01	0.8	49.21	39	0.28	21	0	0	0	0	60
#12 x 12' Ceiling Wire	38	Each	0.04	1.5	49.21	74	2.46	93	0	0	0	0	167
#12 THHN Copper Solid Wire	2,584	Lin Ft	0.006	15.5	49.21	763	0.04	103	0	0	0	0	866
Red Wing-Nut	38	Each	0	0.0	0	0	0.075	3	0	0	0	0	3
Yellow Wing-Nut	38	Each	0	0.0	0	0	0.058	2	0	0	0	0	2
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	19	Each	0.3	5.7	49.21	280	0.5722	11	0	0	0	0	291
4" Square to 3" Round Plaster Ring 5/8" Deep	19	Each	0.15	2.9	49.21	143	1.97	37	0	0	0	0	180
				66.2			3,257	417	0			0	3,674
4' Wall Bracket 2 Lamp - 277 Volt				66.2			0	0			3,674	0	3,674
Total Subcontract Amount				66.2			0	0			3,674	0	3,674
Single Face Exit Fixture			QUANTITY:	10 Each									
Single Face Pendant Exit Fixture LED 120-277 Volt	10	Each	0.81	8.1	49.21	399	0	0	0	0	0	0	399
1/2" Electrical Metallic Tubing	150	Lin Ft	0.045	6.8	49.21	335	0.2	30	0	0	0	0	365

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
1/2" EMT Set Screw Steel Coupling	15	Each	0	0.0	0	0	0.5994	9	0	0	0	9
1/2" EMT Set Screw Steel Connector Non Insulated Throat	20	Each	0.08	1.6	49.21	79	0.2141	4	0	0	0	83
1/2" T-Bar Wire Conduit Clip	20	Each	0.01	0.2	49.21	10	0.193	4	0	0	0	14
1/8" Flange Clip for Wire & S Hooks	20	Each	0.01	0.2	49.21	10	0.28	6	0	0	0	16
Caddy T-Bar Box Hanger	10	Each	0.15	1.5	49.21	74	3.31	33	0	0	0	107
#12 x 12' Ceiling Wire	10	Each	0.04	0.4	49.21	20	2.46	25	0	0	0	45
#10 THHN Stranded Copper Wire	1,040	Lin Ft	0.0075	7.8	49.21	384	0.07	73	0	0	0	457
Red Wing-Nut	40	Each	0	0.0	0	0	0.075	3	0	0	0	3
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	10	Each	0.3	3.0	49.21	148	0.5722	6	0	0	0	154
4" Square to 3" Round Plaster Ring 5/8" Deep	10	Each	0.15	1.5	49.21	74	1.97	20	0	0	0	94
Single Face Exit Fixture				31.1		1,533		213			0	1,746
Total Subcontract Amount				31.1		0		0			1,746	1,746
Double Face Exit Fixture			QUANTITY:		10 Each							
Dual Face Pendant Exit Fixture LED 120-277 Volt	10	Each	0.81	8.1	49.21	399	0	0	0	0	0	399
1/2" Electrical Metallic Tubing	150	Lin Ft	0.045	6.8	49.21	335	0.2	30	0	0	0	365
1/2" EMT Set Screw Steel Coupling	15	Each	0	0.0	0	0	0.5994	9	0	0	0	9
1/2" EMT Set Screw Steel Connector Non Insulated Throat	20	Each	0.08	1.6	49.21	79	0.2141	4	0	0	0	83
1/2" T-Bar Wire Conduit Clip	20	Each	0.01	0.2	49.21	10	0.193	4	0	0	0	14
1/8" Flange Clip for Wire & S Hooks	20	Each	0.01	0.2	49.21	10	0.28	6	0	0	0	16
Caddy T-Bar Box Hanger	10	Each	0.15	1.5	49.21	74	3.31	33	0	0	0	107
#12 x 12' Ceiling Wire	10	Each	0.04	0.4	49.21	20	2.46	25	0	0	0	45
#10 THHN Stranded Copper Wire	1,040	Lin Ft	0.0075	7.8	49.21	384	0.07	73	0	0	0	457
Red Wing-Nut	40	Each	0	0.0	0	0	0.075	3	0	0	0	3
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	10	Each	0.3	3.0	49.21	148	0.5722	6	0	0	0	154
4" Square to 3" Round Plaster Ring 5/8" Deep	10	Each	0.15	1.5	49.21	74	1.97	20	0	0	0	94
Double Face Exit Fixture				31.1		1,533		213			0	1,746
Total Subcontract Amount				31.1		0		0			1,746	1,746

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
400 Watt H.I.D. High Bay Fixture			QUANTITY:		31 Each							
400 Watt Metal Halide High Bay Fixture	31	Each	1.75	54.3	49.21	2,672	325	10,075	0	0	0	12,747
1/2" Electrical Metallic Tubing	1,550	Lin Ft	0.045	69.8	49.21	3,435	0.2	310	0	0	0	3,745
1/2" EMT Set Screw Steel Coupling	155	Each	0	0.0	0	0	0.5994	93	0	0	0	93
1/2" EMT Set Screw Steel Connector Non Insulated Throat	62	Each	0.08	5.0	49.21	246	0.2141	13	0	0	0	259
1/2" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	155	Each	0.01	1.6	49.21	79	0.7	109	0	0	0	188
#12 THHN Copper Solid Wire	6,820	Lin Ft	0.006	40.9	49.21	2,013	0.04	273	0	0	0	2,286
Red Wing-Nut	124	Each	0	0.0	0	0	0.075	9	0	0	0	9
Yellow Wing-Nut	124	Each	0	0.0	0	0	0.058	7	0	0	0	7
4" Square Flat Blank Cover	31	Each	0.08	2.5	49.21	123	0.67	21	0	0	0	144
400 Watt H.I.D. High Bay Fixture				174.1		8,568		10,910			0	19,478
Total Subcontract Amount				174.1		0		0			19,478	19,478
400W H.I.D. High Bay Fixture w/Quartz			QUANTITY:		9 Each							
400 Watt Metal Halide High Bay Fixture w/Quartz Restrike	9	Each	2	18.0	49.21	886	375	3,375	0	0	0	4,261
1/2" Electrical Metallic Tubing	900	Lin Ft	0.045	40.5	49.21	1,993	0.2	180	0	0	0	2,173
1/2" EMT Set Screw Steel Coupling	90	Each	0	0.0	0	0	0.5994	54	0	0	0	54
1/2" EMT Set Screw Steel Connector Non Insulated Throat	18	Each	0.08	1.4	49.21	69	0.2141	4	0	0	0	73
1/2" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	90	Each	0.01	0.9	49.21	44	0.7	63	0	0	0	107
#12 THHN Copper Solid Wire	3,960	Lin Ft	0.006	23.8	49.21	1,171	0.04	158	0	0	0	1,329
Red Wing-Nut	36	Each	0	0.0	0	0	0.075	3	0	0	0	3
Yellow Wing-Nut	36	Each	0	0.0	0	0	0.058	2	0	0	0	2
4" Square Flat Blank Cover	9	Each	0.08	0.7	49.21	34	0.67	6	0	0	0	40
400W H.I.D. High Bay Fixture w/Quartz				85.3		4,197		3,845			0	8,042
Total Subcontract Amount				85.3		0		0			8,042	8,042
Lighting Branch Home Run			QUANTITY:		7 Each							
3/4" Electrical Metallic Tubing	700	Lin Ft	0.05	35.0	49.21	1,722	0.86	602	0	0	0	2,324
3/4" EMT Set Screw Steel Coupling	70	Each	0	0.0	0	0	1.1785	82	0	0	0	82
3/4" EMT Set Screw Steel Connector Non Insulated Throat	14	Each	0.1	1.4	49.21	69	0.3482	5	0	0	0	74

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3/4" T-Bar Wire Conduit Clip	88	Each	0.01	0.9	49.21	44	0.21	18	0	0	0	62
1/8" Flange Clip for Wire & S Hooks	88	Each	0.01	0.9	49.21	44	0.28	25	0	0	0	69
#12 x 12' Ceiling Wire	44	Each	0.04	1.8	49.21	89	2.46	108	0	0	0	197
#12 THHN Copper Solid Wire	6,930	Lin Ft	0.006	41.6	49.21	2,047	0.04	277	0	0	0	2,324
Red Wing-Nut	56	Each	0	0.0	0	0	0.075	4	0	0	0	4
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	14	Each	0.3	4.2	49.21	207	0.5722	8	0	0	0	215
4" Square Flat Blank Cover	7	Each	0.08	0.6	49.21	30	0.67	5	0	0	0	35
Lighting Branch Home Run				86.4		4,252		1,134	0		0	5,386
Total Subcontract Amount				86.4		0		0	0		5,386	5,386
175 Watt Wall Pack H.I.D. Fixture	15	Each	1.75	26.3	49.21	1,294	125	1,875	0	0	0	3,169
175 Watt Metal Halide Wall Pack Fixture			QUANTITY:		15 Each							
1/2" Electrical Metallic Tubing	1,125	Lin Ft	0.045	50.6	49.21	2,490	0.2	225	0	0	0	2,715
1/2" EMT Set Screw Steel Coupling	113	Each	0	0.0	0	0	0.5994	68	0	0	0	68
1/2" EMT Set Screw Steel Connector Non Insulated Throat	30	Each	0.08	2.4	49.21	118	0.2141	6	0	0	0	124
1/2" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	141	Each	0.01	1.4	49.21	69	0.7	99	0	0	0	168
#10 THHN Stranded Copper Wire	4,620	Lin Ft	0.0075	34.7	49.21	1,708	0.07	323	0	0	0	2,031
Red Wing-Nut	60	Each	0	0.0	0	0	0.075	5	0	0	0	5
2 Gang Masonry Box (3-1/2" Deep)	15	Each	0.37	5.6	49.21	276	4.51	68	0	0	0	344
175 Watt Wall Pack H.I.D. Fixture				121.0		5,955		2,669	0		0	8,624
Total Subcontract Amount				121.0		0		0	0		8,624	8,624
Interior Ltg Control for Wall Packs-277V			QUANTITY:		2 Each							
1/2" Electrical Metallic Tubing	60	Lin Ft	0.045	2.7	49.21	133	0.2	12	0	0	0	145
1/2" EMT Set Screw Steel Coupling	6	Each	0	0.0	0	0	0.5994	4	0	0	0	4
1/2" EMT Set Screw Steel Connector Non Insulated Throat	12	Each	0.08	1.0	49.21	49	0.2141	3	0	0	0	52
1/2" EMT Conduit Hanger w/Bolt	16	Each	0.25	4.0	49.21	197	0.16	3	0	0	0	200
#12 THHN Copper Solid Wire	300	Lin Ft	0.006	1.8	49.21	89	0.04	12	0	0	0	101
Lighting Contactor - Mechanically Held for 277 Volt Lighting Circuits	2	Each	0.75	1.5	49.21	74	350	700	0	0	0	774

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
Photo Electric Control	2	Each	0.75	1.5	49.21	74	25	50	0	0	124
Time Clock - Electronic	2	Each	1.75	3.5	49.21	172	275	550	0	0	722
				16.0		788		1,334		0	2,122
Interior Ltg Control for Wall Packs-277V				16.0		0		0		0	2,122
Total Subcontract Amount				16.0		0		0		2,122	2,122
Low Voltage Control System For Corridors			QUANTITY:		1 Each						
3/4" Electrical Metallic Tubing	30	Lin Ft	0.05	1.5	49.21	74	0.86	26	0	0	100
3/4" EMT Set Screw Steel Coupling	3	Each	0	0.0	0	0	1.1785	4	0	0	4
3/4" EMT Set Screw Steel Connector Non Insulated Throat	4	Each	0.1	0.4	49.21	20	0.3482	1	0	0	21
3/4" Metal Stud Conduit Clip	4	Each	0.01	0.1	49.21	5	0.72	3	0	0	8
4" Square x 1-1/2" Deep Box w/Bracket 1/2" & 3/4" Knockouts	1	Each	0.3	0.3	49.21	15	0.8421	1	0	0	16
4" Square Single Gang Plaster Ring 5/8" Deep	1	Each	0.15	0.2	49.21	10	1.58	2	0	0	12
Low Voltage Lighting Control Cable	500	Lin Ft	0.01	5.0	49.21	246	0.45	225	0	0	471
Low Voltage Lighting Control Station	2	Each	2.5	5.0	49.21	246	236	472	0	0	718
Low Voltage Lighting Control Panel	1	Each	8	8.0	49.21	394	1,698	1,698	0	0	2,092
				20.5		1,010		2,432		0	3,442
Low Voltage Control System For Corridors				20.5		0		0		0	3,442
Total Subcontract Amount				20.5		0		0		3,442	3,442
Ceiling Mounted Occupancy Sensor - 277V			QUANTITY:		8 Each						
1/2" Electrical Metallic Tubing	120	Lin Ft	0.045	5.4	49.21	266	0.2	24	0	0	290
1/2" EMT Set Screw Steel Coupling	12	Each	0	0.0	0	0	0.5994	7	0	0	7
1/2" EMT Set Screw Steel Connector Non Insulated Throat	16	Each	0.08	1.3	49.21	64	0.2141	3	0	0	67
1/2" T-Bar Wire Conduit Clip	32	Each	0.01	0.3	49.21	15	0.193	6	0	0	21
1/8" Flange Clip for Wire & S Hooks	32	Each	0.01	0.3	49.21	15	0.28	9	0	0	24
#12 x 12' Ceiling Wire	16	Each	0.04	0.6	49.21	30	2.46	39	0	0	69
#12 THHN Copper Solid Wire	544	Lin Ft	0.006	3.3	49.21	162	0.04	22	0	0	184
Red Wing-Nut	32	Each	0	0.0	0	0	0.075	2	0	0	2
Yellow Wing-Nut	32	Each	0	0.0	0	0	0.058	2	0	0	2
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	8	Each	0.3	2.4	49.21	118	0.5722	5	0	0	123

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
4" Square Flat Blank Cover	8	Each	0.08	0.6	49.21	30	0.67	5	0	0	0	0	35
Ceiling Mounted Motion Sensor 277 Volt	8	Each	0.75	6.0	49.21	295	64.31	514	0	0	0	0	809
Ceiling Mounted Motion Sensor Relay 277 Volt	8	Each	0.5	4.0	49.21	197	44.2	354	0	0	0	0	551
Ceiling Mounted Occupancy Sensor - 277V				24.2		1,192		992		0		0	2,184
Total Subcontract Amount				24.2		0		0		0		2,184	2,184
Single Pole Switch in Gypsum Wall Board			QUANTITY:		28 Each								
1/2" Electrical Metallic Tubing	420	Lin Ft	0.045	18.9	49.21	930	0.2	84	0	0	0	0	1,014
1/2" EMT Set Screw Steel Coupling	42	Each	0	0.0	0	0	0.5994	25	0	0	0	0	25
1/2" EMT Set Screw Steel Connector Insulated Throat	56	Each	0.08	4.5	49.21	221	0.33	18	0	0	0	0	239
1/2" Metal Stud Conduit Clip	56	Each	0.01	0.6	49.21	30	0.7201	40	0	0	0	0	70
1/2" T-Bar Wire Conduit Clip	28	Each	0.01	0.3	49.21	15	0.193	5	0	0	0	0	20
1/8" Flange Clip for Wire & S Hooks	28	Each	0.01	0.3	49.21	15	0.28	8	0	0	0	0	23
#12 x 12' Ceiling Wire	14	Each	0.04	0.6	49.21	30	2.46	34	0	0	0	0	64
#12 THHN Copper Solid Wire	1,428	Lin Ft	0.006	8.6	49.21	423	0.04	57	0	0	0	0	480
Red Wing-Nut	56	Each	0	0.0	0	0	0.075	4	0	0	0	0	4
4" Square x 1-1/2" Deep Box w/Bracket 1/2" & 3/4" Knockouts	28	Each	0.3	8.4	49.21	413	0.8421	24	0	0	0	0	437
4" Square Single Gang Plaster Ring 5/8" Deep	28	Each	0.15	4.2	49.21	207	1.58	44	0	0	0	0	251
Single Pole Wall Toggle Switch Ivory Premium Specification Grade 20 Amp 120 - 277 Volt	28	Each	0.25	7.0	49.21	344	5.14	144	0	0	0	0	488
1 Gang Toggle Wall Switch Plate Ivory Plastic	28	Each	0.1	2.8	49.21	138	0.1882	5	0	0	0	0	143
Single Pole Switch in Gypsum Wall Board				56.2		2,766		492		0		0	3,258
Total Subcontract Amount				56.2		0		0		0		3,258	3,258
Surface Mounted Single Pole Switch			QUANTITY:		9 Each								
1/2" Electrical Metallic Tubing	135	Lin Ft	0.045	6.1	49.21	300	0.2	27	0	0	0	0	327
1/2" EMT Set Screw Steel Coupling	14	Each	0	0.0	0	0	0.5994	8	0	0	0	0	8
1/2" EMT Set Screw Steel Connector Insulated Throat	18	Each	0.08	1.4	49.21	69	0.33	6	0	0	0	0	75
1/2" EMT Conduit Hanger w/Bolt	18	Each	0.25	4.5	49.21	221	0.16	3	0	0	0	0	224
1/2" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	9	Each	0.01	0.1	49.21	5	0.7	6	0	0	0	0	11

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
#12 THHN Copper Solid Wire	459	Lin Ft	0.006	2.8	49.21	138	0.04	18	0	0	0	0	156
Red Wing-Nut	18	Each	0	0.0	0	0	0.075	1	0	0	0	0	1
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	9	Each	0.3	2.7	49.21	133	0.5722	5	0	0	0	0	138
4" Square Industrial Raised Cover for 1 Toggle Switch	9	Each	0.12	1.1	49.21	54	2.41	22	0	0	0	0	76
Single Pole Wall Toggle Switch Ivory Premium Specification Grade 20 Amp 120 - 277 Volt	9	Each	0.25	2.3	49.21	113	5.14	46	0	0	0	0	159
Surface Mounted Single Pole Switch				21.0		1,033		142	0		0		1,175
Total Subcontract Amount				21.0		0		0			1,175		1,175
Three Way Switch in Gypsum Wall Board			QUANTITY:		23 Each								
1/2" Electrical Metallic Tubing	575	Lin Ft	0.045	25.9	49.21	1,275	0.2	115	0	0	0	0	1,390
1/2" EMT Set Screw Steel Coupling	58	Each	0	0.0	0	0	0.5994	35	0	0	0	0	35
1/2" EMT Set Screw Steel Connector Insulated Throat	46	Each	0.08	3.7	49.21	182	0.33	15	0	0	0	0	197
1/2" Metal Stud Conduit Clip	46	Each	0.01	0.5	49.21	25	0.7201	33	0	0	0	0	58
1/2" T-Bar Wire Conduit Clip	46	Each	0.01	0.5	49.21	25	0.193	9	0	0	0	0	34
1/8" Flange Clip for Wire & S Hooks	46	Each	0.01	0.5	49.21	25	0.28	13	0	0	0	0	38
#12 x 12' Ceiling Wire	23	Each	0.04	0.9	49.21	44	2.46	57	0	0	0	0	101
#12 THHN Copper Solid Wire	2,484	Lin Ft	0.006	14.9	49.21	733	0.04	99	0	0	0	0	832
Red Wing-Nut	92	Each	0	0.0	0	0	0.075	7	0	0	0	0	7
4" Square x 1-1/2" Deep Box w/Bracket 1/2" & 3/4" Knockouts	23	Each	0.3	6.9	49.21	340	0.8421	19	0	0	0	0	359
4" Square Single Gang Plaster Ring 5/8" Deep	23	Each	0.15	3.5	49.21	172	1.58	36	0	0	0	0	208
3-Way Wall Toggle Switch Ivory Premium Specification Grade 20 Amp 120 - 277 Volt	23	Each	0.4	9.2	49.21	453	5.49	126	0	0	0	0	579
1 Gang Toggle Wall Switch Plate Ivory Plastic	23	Each	0.1	2.3	49.21	113	0.1882	4	0	0	0	0	117
Three Way Switch in Gypsum Wall Board				68.8		3,387		568	0		0		3,955
Total Subcontract Amount				68.8		0		0			3,955		3,955
Classroom Lighting Switch Assembly			QUANTITY:		40 Each								
3/4" Electrical Metallic Tubing	800	Lin Ft	0.05	40.0	49.21	1,968	0.86	688	0	0	0	0	2,656
3/4" EMT Set Screw Steel Coupling	80	Each	0	0.0	0	0	1.1785	94	0	0	0	0	94

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
3/4" EMT Set Screw Steel Connector Insulated Throat	80	Each	0.1	8.0	49.21	394	0.53	42	0	0	0	0	436
3/4" Metal Stud Conduit Clip	80	Each	0.01	0.8	49.21	39	0.72	58	0	0	0	0	97
3/4" T-Bar Wire Conduit Clip	80	Each	0.01	0.8	49.21	39	0.21	17	0	0	0	0	56
1/8" Flange Clip for Wire & S Hooks	80	Each	0.01	0.8	49.21	39	0.28	22	0	0	0	0	61
#12 x 12' Ceiling Wire	40	Each	0.04	1.6	49.21	79	2.46	98	0	0	0	0	177
#12 THHN Copper Solid Wire	6,000	Lin Ft	0.006	36.0	49.21	1,772	0.04	240	0	0	0	0	2,012
Red Wing-Nut	160	Each	0	0.0	0	0	0.075	12	0	0	0	0	12
3 Device Multi Gang Box	40	Each	0.27	10.8	49.21	531	12.7371	509	0	0	0	0	1,040
3 Device Multi Gang Box Ring 3/4" Deep	40	Each	0.15	6.0	49.21	295	9.3485	374	0	0	0	0	669
Single Pole Wall Toggle Switch Pilot Light (Lighted When On) Premium Specification Grade 15 Amp 120 - 277 Volt	40	Each	0.25	10.0	49.21	492	11.18	447	0	0	0	0	939
Single Pole Wall Toggle Switch Ivory Premium Specification Grade 20 Amp 120 - 277 Volt	40	Each	0.25	10.0	49.21	492	5.14	206	0	0	0	0	698
3-Way Wall Toggle Switch Ivory Premium Specification Grade 20 Amp 120 - 277 Volt	40	Each	0.4	16.0	49.21	787	5.49	220	0	0	0	0	1,007
3 Gang Toggle Wall Switch Plate Ivory Plastic	40	Each	0.14	5.6	49.21	276	0.565	23	0	0	0	0	299
Classroom Lighting Switch Assembly				146.4		7,203		3,050	0		0		10,253
Total Subcontract Amount				146.4		0		0	0		10,253		10,253
2 Single Pole Switches in GWB			QUANTITY:		4 Each								
1/2" Electrical Metallic Tubing	60	Lin Ft	0.045	2.7	49.21	133	0.2	12	0	0	0	0	145
1/2" EMT Set Screw Steel Coupling	6	Each	0	0.0	0	0	0.5994	4	0	0	0	0	4
1/2" EMT Set Screw Steel Connector Insulated Throat	8	Each	0.08	0.6	49.21	30	0.33	3	0	0	0	0	33
1/2" Metal Stud Conduit Clip	8	Each	0.01	0.1	49.21	5	0.7201	6	0	0	0	0	11
1/2" T-Bar Wire Conduit Clip	4	Each	0.01	0.1	49.21	5	0.193	1	0	0	0	0	6
1/8" Flange Clip for Wire & S Hooks	4	Each	0.01	0.1	49.21	5	0.28	1	0	0	0	0	6
#12 x 12' Ceiling Wire	2	Each	0.04	0.1	49.21	5	2.46	5	0	0	0	0	10
#12 THHN Copper Solid Wire	272	Lin Ft	0.006	1.6	49.21	79	0.04	11	0	0	0	0	90
Red Wing-Nut	16	Each	0	0.0	0	0	0.075	1	0	0	0	0	1
4" Square x 1-1/2" Deep Box w/Bracket 1/2" & 3/4" Knockouts	4	Each	0.3	1.2	49.21	59	0.8421	3	0	0	0	0	62

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
4" Square 2 Gang Plaster Ring 5/8" Deep	4	Each	0.15	0.6	49.21	30	2.11	8	0	0	0	0	38
Single Pole Wall Toggle Switch Ivory Premium Specification Grade 20 Amp 120 - 277 Volt	8	Each	0.25	2.0	49.21	98	5.14	41	0	0	0	0	139
2 Gang Toggle Wall Switch Plate Ivory Plastic	4	Each	0.12	0.5	49.21	25	0.45	2	0	0	0	0	27
				9.6		474		98		0		0	572
2 Single Pole Switches in GWB Total Subcontract Amount					9.6		0		0			572	572
2 Single Pole Switches in Masonry Wall 1/2" Electrical Metallic Tubing	30	Lin Ft	0.045	1.4	49.21	69	0.2	6	0	0	0	0	75
			QUANTITY:		2 Each								
1/2" EMT Set Screw Steel Coupling	3	Each	0	0.0	0	0	0.5994	2	0	0	0	0	2
1/2" EMT Set Screw Steel Connector Insulated Throat	4	Each	0.08	0.3	49.21	15	0.33	1	0	0	0	0	16
1/2" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	2	Each	0.01	0.1	49.21	5	0.7	1	0	0	0	0	6
#12 THHN Copper Solid Wire	170	Lin Ft	0.006	1.0	49.21	49	0.04	7	0	0	0	0	56
Red Wing-Nut	4	Each	0	0.0	0	0	0.075	1	0	0	0	0	1
2 Gang Masonry Box (3-1/2" Deep)	2	Each	0.37	0.7	49.21	34	4.51	9	0	0	0	0	43
Single Pole Wall Toggle Switch Ivory Premium Specification Grade 20 Amp 120 - 277 Volt	4	Each	0.25	1.0	49.21	49	5.14	21	0	0	0	0	70
2 Gang Toggle Wall Switch Plate Ivory Plastic	2	Each	0.12	0.2	49.21	10	0.45	1	0	0	0	0	11
				4.7		231		49		0		0	280
2 Single Pole Switches in Masonry Wall Total Subcontract Amount					4.7		0		0			280	280
SUB-TOTAL				4,431.9		0		0		0		292,233	292,233
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	23,379	23,379
SUB-TOTAL				4,431.9		0		0		0		315,612	315,612
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	18,937	18,937
*** BRANCH LIGHTING SYSTEM ESTIMATED COST ***				4,431.9		0		0		0		334,549	334,549

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
EQUIPMENT WIRING SYSTEM													
Disposal Wiring			QUANTITY:		1 Each								
3/4" Electrical Metallic Tubing	75	Lin Ft	0.05	3.8	49.21	187	0.86	65	0	0	0	0	252
1/2" Liquidtite Flexible Conduit Type EF	10	Lin Ft	0.06	0.6	49.21	30	1.04	10	0	0	0	0	40
3/4" Liquidtite Flexible Conduit Type EF	5	Lin Ft	0.075	0.4	49.21	20	0.82	4	0	0	0	0	24
3/4" EMT Set Screw Steel Coupling	8	Each	0	0.0	0	0	1.1785	9	0	0	0	0	9
3/4" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.1	0.2	49.21	10	0.3482	1	0	0	0	0	11
1/2" Straight Sealbite Connector Steel Non Insulated Throat	2	Each	0.12	0.2	49.21	10	2.39	5	0	0	0	0	15
3/4" Straight Sealbite Connector Steel Non Insulated Throat	1	Each	0.15	0.2	49.21	10	3.29	3	0	0	0	0	13
1/2" 90 Degree Sealbite Connector Steel Non Insulated Throat	2	Each	0.15	0.3	49.21	15	3.56	7	0	0	0	0	22
3/4" 90 Degree Sealbite Connector Steel Non Insulated Throat	1	Each	0.18	0.2	49.21	10	5.54	6	0	0	0	0	16
#10 THHN Stranded Copper Wire	340	Lin Ft	0.0075	2.6	49.21	128	0.07	24	0	0	0	0	152
4" Square x 2-1/8" Deep Box	1	Each	0.3	0.3	49.21	15	1.3705	1	0	0	0	0	16
1/2" & 3/4" Knockouts													
4" Square Flat Blank Cover	1	Each	0.08	0.1	49.21	5	0.67	1	0	0	0	0	6
3 Pole Size 0 Combination Starter	1	Each	3	3.0	49.21	148	683.49	683	0	0	0	0	831
208 Volt - Nema 3R w/MCP & Overloads													
30 Amp Equipment Connection	1	Each	2	2.0	49.21	98	7.5	8	0	0	0	0	106
Disposal Wiring				13.9		686		827	0		0		1,513
Total Subcontract Amount				13.9		0		0	0		1,513		1,513
60 Amp Equipment Wiring - Outdoor													
1" Electrical Metallic Tubing	50	Lin Ft	QUANTITY: 0.055	2.8	2 Each 49.21	138	0.64	32	0	0	0	0	170
1" Intermediate Metal Conduit	20	Lin Ft	0.06	1.2	49.21	59	1.85	37	0	0	0	0	96
1" Poly Vinyl Chloride Conduit Schedule 40 Under Slab	100	Lin Ft	0.0375	3.8	49.21	187	0.25	25	0	0	0	0	212
1" Liquidtite Flexible Conduit Type EF	10	Lin Ft	0.1	1.0	49.21	49	1.24	12	0	0	0	0	61
1" EMT Compression Steel Coupling	5	Each	0	0.0	0	0	1.88	9	0	0	0	0	9
1" EMT Compression Connector Die Cast Non Insulated Throat	4	Each	0.16	0.6	49.21	30	0.92	4	0	0	0	0	34
1" Myers Style Zinc Conduit Hub w/Ground Screw	4	Each	0.25	1.0	49.21	49	5.6691	23	0	0	0	0	72
1" PVC Coupling Schedule 40	8	Each	0	0.0	0	0	0.459	4	0	0	0	0	4
1" PVC Female Adaptor Schedule 40-80	4	Each	0.18	0.7	49.21	34	0.801	3	0	0	0	0	37

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1" PVC 90 Degree x 36" Elbow Schedule 40	4	Each	0.35	1.4	49.21	69	1.35	5	0	0	0	0	74
1" Straight Sealtite Connector Steel Non Insulated Throat	4	Each	0.2	0.8	49.21	39	4.86	19	0	0	0	0	58
1" 90 Degree Sealtite Connector Steel Non Insulated Throat	2	Each	0.25	0.5	49.21	25	11.04	22	0	0	0	0	47
#10 THHN Stranded Copper Wire	190	Lin Ft	0.0075	1.4	49.21	69	0.07	13	0	0	0	0	82
#6 THHN Stranded Copper Wire	570	Lin Ft	0.012	6.8	49.21	335	0.34	194	0	0	0	0	529
60 Amp Non Fused 600 Volt Safety Switch Heavy Duty - Nema 3R Enclosure 3 Pole	2	Each	3.7	7.4	49.21	364	199.2	398	0	0	0	0	762
60 Amp Equipment Connection	2	Each	4	8.0	49.21	394	12.5	25	0	0	0	0	419
				37.4		1,841		825	0		0		2,666
60 Amp Equipment Wiring - Outdoor				37.4		0		0			2,666		2,666
Total Subcontract Amount													
Boiler 120 Volt Control Power Feed			QUANTITY:		1 Each								
3/4" Electrical Metallic Tubing	25	Lin Ft	0.05	1.3	49.21	64	0.86	22	0	0	0	0	86
3/4" Liquidite Flexible Conduit Type EF	5	Lin Ft	0.075	0.4	49.21	20	0.82	4	0	0	0	0	24
3/4" EMT Set Screw Steel Coupling	3	Each	0	0.0	0	0	1.1785	4	0	0	0	0	4
3/4" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.1	0.2	49.21	10	0.3482	1	0	0	0	0	11
3/4" Straight Sealtite Connector Steel Non Insulated Throat	1	Each	0.15	0.2	49.21	10	3.29	3	0	0	0	0	13
3/4" 90 Degree Sealtite Connector Steel Non Insulated Throat	1	Each	0.18	0.2	49.21	10	5.54	6	0	0	0	0	16
3/4" EMT Conduit Hanger w/Bolt	3	Each	0.25	0.8	49.21	39	0.18	1	0	0	0	0	40
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	3	Each	0.01	0.1	49.21	5	0.7	2	0	0	0	0	7
#12 THHN Copper Solid Wire	120	Lin Ft	0.006	0.7	49.21	34	0.04	5	0	0	0	0	39
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	1	Each	0.3	0.3	49.21	15	1.3705	1	0	0	0	0	16
4" Square Industrial Raised Cover for 1 Toggle Switch	1	Each	0.12	0.1	49.21	5	2.41	2	0	0	0	0	7
Single Pole Wall Toggle Switch Ivory Premium Specification Grade	1	Each	0.25	0.3	49.21	15	5.14	5	0	0	0	0	20
20 Amp 120 - 277 Volt													
20 Amp Equipment Connection	1	Each	1	1.0	49.21	49	5	5	0	0	0	0	54
				5.6		276		61	0		0		337
Boiler 120 Volt Control Power Feed				5.6		0		0			337		337
Total Subcontract Amount													
Boiler 3 Phase Power Feed			QUANTITY:		1 Each								
3/4" Electrical Metallic Tubing	25	Lin Ft	0.05	1.3	49.21	64	0.86	22	0	0	0	0	86

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS				
3/4" Liquidtite Flexible Conduit Type EF	5	Lin Ft	0.075	0.4	49.21	20	0.82	4	0	0	0	24
3/4" EMT Set Screw Steel Coupling	8	Each	0	0.0	0	0	1.1785	9	0	0	0	9
3/4" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.1	0.2	49.21	10	0.3482	1	0	0	0	11
3/4" Straight Sealtite Connector Steel Non Insulated Throat	1	Each	0.15	0.2	49.21	10	3.29	3	0	0	0	13
3/4" 90 Degree Sealtite Connector Steel Non Insulated Throat	1	Each	0.18	0.2	49.21	10	5.54	6	0	0	0	16
3/4" EMT Conduit Hanger w/Bolt	3	Each	0.25	0.8	49.21	39	0.18	1	0	0	0	40
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	3	Each	0.01	0.1	49.21	5	0.7	2	0	0	0	7
#12 THHN Copper Solid Wire	120	Lin Ft	0.006	0.7	49.21	34	0.04	5	0	0	0	39
30 Amp Non Fused 600 Volt Safety Switch Heavy Duty - Nema 1 Enclosure 3 Pole	1	Each	2	2.0	49.21	98	62.8	63	0	0	0	161
20 Amp Equipment Connection	1	Each	1	1.0	49.21	49	5	5	0	0	0	54
Boiler 3 Phase Power Feed				6.9		339		121	0		0	460
Total Subcontract Amount				6.9		0		0			460	460
Cabinet Unit Heater Wiring - Indoor			QUANTITY:		7 Each							
1/2" Electrical Metallic Tubing	245	Lin Ft	0.045	11.0	49.21	541	0.2	49	0	0	0	590
1/2" Steel Flexible Conduit	35	Lin Ft	0.04	1.4	49.21	69	0.25	9	0	0	0	78
1/2" EMT Set Screw Steel Coupling	25	Each	0	0.0	0	0	0.5994	15	0	0	0	15
1/2" EMT Set Screw Steel Connector Non Insulated Throat	14	Each	0.08	1.1	49.21	54	0.2141	3	0	0	0	57
1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	14	Each	0.12	1.7	49.21	84	1.1724	16	0	0	0	100
#12 THHN Copper Solid Wire	1,050	Lin Ft	0.006	6.3	49.21	310	0.04	42	0	0	0	352
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	7	Each	0.3	2.1	49.21	103	1.3705	10	0	0	0	113
4" Square Industrial Raised Cover for 1 Toggle Switch	7	Each	0.12	0.8	49.21	39	2.41	17	0	0	0	56
Single Pole Wall Toggle Switch Ivory Premium Specification Grade	7	Each	0.25	1.8	49.21	89	5.14	36	0	0	0	125
20 Amp 120 - 277 Volt 20 Amp Equipment Connection	7	Each	1	7.0	49.21	344	5	35	0	0	0	379
Cabinet Unit Heater Wiring - Indoor				33.2		1,633		232	0		0	1,865
Total Subcontract Amount				33.2		0		0			1,865	1,865

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Elevator Power Connection - 200 Amp/480V			QUANTITY:		1 Each								
2-1/2" Electrical Metallic Tubing	75	Lin Ft	0.095	7.1	49.21	349	2.08	156	0	0	0	0	505
2-1/2" Steel Flexible Conduit	5	Lin Ft	0.25	1.3	49.21	64	2.18	11	0	0	0	0	75
2-1/2" EMT Set Screw Steel Coupling	8	Each	0	0.0	0	0	7.53	60	0	0	0	0	60
2-1/2" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.3	0.6	49.21	30	7.72	15	0	0	0	0	45
2-1/2" Steel Grounding Bushing Insulated	4	Each	0.54	2.2	49.21	108	12.2327	49	0	0	0	0	157
2-1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	2	Each	0.4	0.8	49.21	39	19.74	39	0	0	0	0	78
#4 THHN Stranded Copper Wire	85	Lin Ft	0.014	1.2	49.21	59	0.49	42	0	0	0	0	101
#4/0 THHN Stranded Copper Wire	255	Lin Ft	0.029	7.4	49.21	364	2.33	594	0	0	0	0	958
200 Amp Fusible 600 Volt Safety Switch Heavy Duty - Nema 3R Enclosure 3 Pole	1	Each	9.6	9.6	49.21	472	509.2	509	0	0	0	0	981
200 Amp Cartridge Fuse - Class RK1 Low Peak 600 Volt	3	Each	0	0.0	0	0	51.13	153	0	0	0	0	153
200 Amp Equipment Connection	1	Each	8	8.0	49.21	394	50	50	0	0	0	0	444
Elevator Power Connection - 200 Amp/480V				38.2		1,879		1,678	0		0		3,557
Total Subcontract Amount				38.2		0		0		3,557			3,557
Elevator Cab And Control Power Wiring			QUANTITY:		1 Each								
3/4" Electrical Metallic Tubing	75	Lin Ft	0.05	3.8	49.21	187	0.86	65	0	0	0	0	252
3/4" Steel Flexible Conduit	5	Lin Ft	0.05	0.3	49.21	15	0.34	2	0	0	0	0	17
3/4" EMT Set Screw Steel Coupling	8	Each	0	0.0	0	0	1.1785	9	0	0	0	0	9
3/4" EMT Set Screw Steel Connector Non Insulated Throat	4	Each	0.1	0.4	49.21	20	0.3482	1	0	0	0	0	21
3/4" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	4	Each	0.14	0.6	49.21	30	1.2257	5	0	0	0	0	35
#12 THHN Copper Solid Wire	425	Lin Ft	0.006	2.6	49.21	128	0.04	17	0	0	0	0	145
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	2	Each	0.3	0.6	49.21	30	1.3705	3	0	0	0	0	33
4" Square Industrial Raised Cover for 1 Toggle Switch	2	Each	0.12	0.2	49.21	10	2.41	5	0	0	0	0	15
Single Pole Wall Toggle Switch Ivory Premium Specification Grade	2	Each	0.25	0.5	49.21	25	5.14	10	0	0	0	0	35
20 Amp 120 - 277 Volt 20 Amp Equipment Connection	2	Each	1	2.0	49.21	98	5	10	0	0	0	0	108
Elevator Cab And Control Power Wiring				11.0		543		127	0		0		670
Total Subcontract Amount				11.0		0		0		670			670

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Elevator Pit Electrical			QUANTITY:		1 Each								
Elevator Pit Light Fluorescent PL Style Lamp	1	Each	1	1.0	49.21	49	65	65	0	0	0	0	114
1/2" Electrical Metallic Tubing	50	Lin Ft	0.045	2.3	49.21	113	0.2	10	0	0	0	0	123
1/2" EMT Set Screw Steel Coupling	5	Each	0	0.0	0	0	0.5994	3	0	0	0	0	3
1/2" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.08	0.2	49.21	10	0.2141	1	0	0	0	0	11
1/2" EMT Conduit Hanger w/Bolt	8	Each	0.25	2.0	49.21	98	0.16	1	0	0	0	0	99
#12 THHN Copper Solid Wire	200	Lin Ft	0.006	1.2	49.21	59	0.04	8	0	0	0	0	67
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	2	Each	0.3	0.6	49.21	30	0.5722	1	0	0	0	0	31
4" Square Industrial Raised Cover for 1 Toggle Switch	1	Each	0.12	0.1	49.21	5	2.41	2	0	0	0	0	7
4" Square Industrial Raised Cover for 1 GFI Receptacle	1	Each	0.12	0.1	49.21	5	1.68	2	0	0	0	0	7
20 Amp 125 Volt GFI Duplex Receptacle Ivory Premium Specification Grade Nema 5-20R Configuration	1	Each	0.35	0.4	49.21	20	19.01	19	0	0	0	0	39
Single Pole Wall Toggle Switch Ivory Premium Specification Grade 20 Amp 120 - 277 Volt	1	Each	0.25	0.3	49.21	15	5.14	5	0	0	0	0	20
Elevator Pit Electrical				8.2		404		117		0		0	521
Total Subcontract Amount				8.2		0		0		0		521	521
Electric Water Cooler - Masonry			QUANTITY:		10 Each								
1/2" Electrical Metallic Tubing	200	Lin Ft	0.045	9.0	49.21	443	0.2	40	0	0	0	0	483
1/2" Steel Flexible Conduit	10	Lin Ft	0.04	0.4	49.21	20	0.25	3	0	0	0	0	23
1/2" EMT Set Screw Steel Coupling	20	Each	0	0.0	0	0	0.5994	12	0	0	0	0	12
1/2" EMT Set Screw Steel Connector Non Insulated Throat	40	Each	0.08	3.2	49.21	157	0.2141	9	0	0	0	0	166
1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	20	Each	0.12	2.4	49.21	118	1.1724	23	0	0	0	0	141
#12 THHN Copper Solid Wire	880	Lin Ft	0.006	5.3	49.21	261	0.04	35	0	0	0	0	296
1 Gang Masonry Box (3-1/2" Deep)	10	Each	0.35	3.5	49.21	172	2.637	26	0	0	0	0	198
1 Gang Blank Wall Plate Stainless Steel 430	10	Each	0.1	1.0	49.21	49	0.9185	9	0	0	0	0	58
20 Amp Equipment Connection	10	Each	1	10.0	49.21	492	5	50	0	0	0	0	542
Electric Water Cooler - Masonry				34.8		1,712		207		0		0	1,919
Total Subcontract Amount				34.8		0		0		0		1,919	1,919

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
2 HP EX Fan Electrical Connection - 480V			QUANTITY:		14 Each							
3/4" Electrical Metallic Tubing	1,050	Lin Ft	0.05	52.5	49.21	2,584	0.86	903	0	0	0	3,487
3/4" Liquidtite Flexible Conduit Type EF	70	Lin Ft	0.075	5.3	49.21	261	0.82	57	0	0	0	318
3/4" EMT Set Screw Steel Coupling	105	Each	0	0.0	0	0	1.1785	124	0	0	0	124
3/4" EMT Set Screw Steel Connector Non Insulated Throat	28	Each	0.1	2.8	49.21	138	0.3482	10	0	0	0	148
3/4" Straight Sealtite Connector Steel Non Insulated Throat	14	Each	0.15	2.1	49.21	103	3.29	46	0	0	0	149
3/4" 90 Degree Sealtite Connector Steel Non Insulated Throat	14	Each	0.18	2.5	49.21	123	5.54	78	0	0	0	201
3/4" EMT Conduit Hanger w/Bolt	42	Each	0.25	10.5	49.21	517	0.18	8	0	0	0	525
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	131	Each	0.01	1.3	49.21	64	0.7	92	0	0	0	156
#12 THHN Copper Solid Wire	4,760	Lin Ft	0.006	28.6	49.21	1,407	0.04	190	0	0	0	1,597
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	14	Each	0.3	4.2	49.21	207	1.3705	19	0	0	0	226
4" Square Flat Blank Cover	14	Each	0.08	1.1	49.21	54	0.67	9	0	0	0	63
Size 1 480 Volt Magnetic Starter Combination MCP Non Reversing Nema 1 Enclosure	14	Each	3.3	46.2	49.21	2,274	721.73	10,104	0	0	0	12,378
2 Horsepower Motor Connection Three Phase 480 Volt	14	Each	1.4	19.6	49.21	965	9.88	138	0	0	0	1,103
2 HP EX Fan Electrical Connection - 480V				176.7		8,697		11,778	0		0	20,475
Total Subcontract Amount				176.7		0		0		20,475		20,475
5 HP EX Fan Electrical Connection - 480V			QUANTITY:		2 Each							
3/4" Electrical Metallic Tubing	150	Lin Ft	0.05	7.5	49.21	369	0.86	129	0	0	0	498
3/4" Liquidtite Flexible Conduit Type EF	10	Lin Ft	0.075	0.8	49.21	39	0.82	8	0	0	0	47
3/4" EMT Set Screw Steel Coupling	15	Each	0	0.0	0	0	1.1785	18	0	0	0	18
3/4" EMT Set Screw Steel Connector Non Insulated Throat	4	Each	0.1	0.4	49.21	20	0.3482	1	0	0	0	21
3/4" Straight Sealtite Connector Steel Non Insulated Throat	2	Each	0.15	0.3	49.21	15	3.29	7	0	0	0	22
3/4" 90 Degree Sealtite Connector Steel Non Insulated Throat	2	Each	0.18	0.4	49.21	20	5.54	11	0	0	0	31
3/4" EMT Conduit Hanger w/Bolt	6	Each	0.25	1.5	49.21	74	0.18	1	0	0	0	75
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	19	Each	0.01	0.2	49.21	10	0.7	13	0	0	0	23
#12 THHN Copper Solid Wire	680	Lin Ft	0.006	4.1	49.21	202	0.04	27	0	0	0	229
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	2	Each	0.3	0.6	49.21	30	1.3705	3	0	0	0	33
4" Square Flat Blank Cover	2	Each	0.08	0.2	49.21	10	0.67	1	0	0	0	11

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS	
Size 1 480 Volt Magnetic Starter Combination MCP Non Reversing Nema 1 Enclosure	2	Each	3.3	6.6	49.21	325	721.73	1,443	0	0	0	0	1,768
5 Horsepower Motor Connection Three Phase 480 Volt	2	Each	1.4	2.8	49.21	138	9.88	20	0	0	0	0	158
5 HP EX Fan Electrical Connection - 480V				25.4		1,252		1,682		0		0	2,934
Total Subcontract Amount				25.4		0		0		0		2,934	2,934
Automatic Flush - Lavatory Connection			QUANTITY:		76 Each								
1/2" Electrical Metallic Tubing	1,140	Lin Ft	0.045	51.3	49.21	2,524	0.2	228	0	0	0	0	2,752
1/2" Steel Flexible Conduit	152	Lin Ft	0.04	6.1	49.21	300	0.25	38	0	0	0	0	338
1/2" EMT Set Screw Steel Coupling	114	Each	0	0.0	0	0	0.5994	68	0	0	0	0	68
1/2" EMT Set Screw Steel Connector Non Insulated Throat	152	Each	0.08	12.2	49.21	600	0.2141	33	0	0	0	0	633
1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	152	Each	0.12	18.2	49.21	896	1.1724	178	0	0	0	0	1,074
#12 THHN Copper Solid Wire	4,560	Lin Ft	0.006	27.4	49.21	1,348	0.04	182	0	0	0	0	1,530
4" Square x 2-1/8" Deep Box w/Bracket 1/2" & 3/4" Knockouts	76	Each	0.3	22.8	49.21	1,122	1.7068	130	0	0	0	0	1,252
4" Square Single Gang Plaster Ring 5/8" Deep	76	Each	0.15	11.4	49.21	561	1.58	120	0	0	0	0	681
20 Amp Equipment Connection	76	Each	1	76.0	49.21	3,740	5	380	0	0	0	0	4,120
Automatic Flush - Lavatory Connection				225.4		11,091		1,357		0		0	12,448
Total Subcontract Amount				225.4		0		0		0		12,448	12,448
30 Amp Kitchen Equipment Wiring - Indoor			QUANTITY:		4 Each								
3/4" Electrical Metallic Tubing	300	Lin Ft	0.05	15.0	49.21	738	0.86	258	0	0	0	0	996
3/4" Steel Flexible Conduit	20	Lin Ft	0.05	1.0	49.21	49	0.34	7	0	0	0	0	56
3/4" EMT Set Screw Steel Coupling	30	Each	0	0.0	0	0	1.1785	35	0	0	0	0	35
3/4" EMT Set Screw Steel Connector Non Insulated Throat	8	Each	0.1	0.8	49.21	39	0.3482	3	0	0	0	0	42
3/4" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	8	Each	0.14	1.1	49.21	54	1.2257	10	0	0	0	0	64
#10 THHN Stranded Copper Wire	1,360	Lin Ft	0.0075	10.2	49.21	502	0.07	95	0	0	0	0	597
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	4	Each	0.3	1.2	49.21	59	1.3705	5	0	0	0	0	64
4" Square Flat Blank Cover	4	Each	0.08	0.3	49.21	15	0.67	3	0	0	0	0	18
30 Amp Non Fused 600 Volt Safety Switch Heavy Duty - Nema 1 Enclosure 3 Pole	4	Each	2	8.0	49.21	394	62.8	251	0	0	0	0	645

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT TOTAL	MATERIAL DOLLARS UNIT TOTAL	EQUIPMENT DOLLARS UNIT TOTAL	SUBCONTRACT DOLLARS UNIT TOTAL	TOTAL DOLLARS				
30 Amp Equipment Connection	4	Each	2	8.0	49.21	394	7.5	30	0	0	0	0	424
30 Amp Kitchen Equipment Wiring - Indoor				45.6		2,244		697	0		0		2,941
Total Subcontract Amount				45.6		0		0		2,941			2,941
90 Amp Kitchen Equipment Wiring - Indoor			QUANTITY:		3 Each								
1-1/4" Electrical Metallic Tubing	225	Lin Ft	0.0155	3.5	49.21	172	2.21	497	0	0	0	0	669
1-1/4" Steel Flexible Conduit	15	Lin Ft	0.1	1.5	49.21	74	0.84	13	0	0	0	0	87
1-1/4" EMT Set Screw Steel Coupling	23	Each	0	0.0	0	0	1.61	37	0	0	0	0	37
1-1/4" EMT Set Screw Steel Connector Non Insulated Throat	6	Each	0.16	1.0	49.21	49	1.24	7	0	0	0	0	56
1-1/4" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	6	Each	0.2	1.2	49.21	59	5.1667	31	0	0	0	0	90
#8 THHN Stranded Copper Wire	255	Lin Ft	0.01	2.6	49.21	128	0.21	54	0	0	0	0	182
#3 THHN Stranded Copper Wire	765	Lin Ft	0.016	12.2	49.21	600	0.62	474	0	0	0	0	1,074
100 Amp Equipment Connection	3	Each	6	18.0	49.21	886	25	75	0	0	0	0	961
90 Amp Kitchen Equipment Wiring - Indoor				40.0		1,968		1,188	0		0		3,156
Total Subcontract Amount				40.0		0		0		3,156			3,156
5 HP MUA Fan Electrical Connection-480V			QUANTITY:		6 Each								
3/4" Electrical Metallic Tubing	450	Lin Ft	0.05	22.5	49.21	1,107	0.86	387	0	0	0	0	1,494
3/4" Liquidtite Flexible Conduit Type EF	30	Lin Ft	0.075	2.3	49.21	113	0.82	25	0	0	0	0	138
3/4" EMT Set Screw Steel Coupling	45	Each	0	0.0	0	0	1.1785	53	0	0	0	0	53
3/4" EMT Set Screw Steel Connector Non Insulated Throat	12	Each	0.1	1.2	49.21	59	0.3482	4	0	0	0	0	63
3/4" Straight Sealitite Connector Steel Non Insulated Throat	6	Each	0.15	0.9	49.21	44	3.29	20	0	0	0	0	64
3/4" 90 Degree Sealitite Connector Steel Non Insulated Throat	6	Each	0.18	1.1	49.21	54	5.54	33	0	0	0	0	87
3/4" EMT Conduit Hanger w/Bolt	18	Each	0.25	4.5	49.21	221	0.18	3	0	0	0	0	224
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	56	Each	0.01	0.6	49.21	30	0.7	39	0	0	0	0	69
#12 THHN Copper Solid Wire	2,040	Lin Ft	0.006	12.2	49.21	600	0.04	82	0	0	0	0	682
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	6	Each	0.3	1.8	49.21	89	1.3705	8	0	0	0	0	97
4" Square Flat Blank Cover	6	Each	0.08	0.5	49.21	25	0.67	4	0	0	0	0	29
Size 1 480 Volt Magnetic Starter Combination MCP Non Reversing Nema 1 Enclosure	6	Each	3.3	19.8	49.21	974	721.73	4,330	0	0	0	0	5,304

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
5 Horsepower Motor Connection Three Phase 480 Volt	6	Each	1.4	8.4	49.21	413	9.88	59	0	0	0	0	472
5 HP MUA Fan Electrical Connection-480V Total Subcontract Amount				75.8 75.8		3,729 0		5,047 0	0 0			0 8,776	8,776 8,776
15 HP Pump Electrical Connection - 480V 3/4" Electrical Metallic Tubing	150	Lin Ft	0.05	7.5	2 Each 49.21	369	0.86	129	0	0	0	0	498
3/4" Liquidtite Flexible Conduit Type EF	10	Lin Ft	0.075	0.8	49.21	39	0.82	8	0	0	0	0	47
3/4" EMT Set Screw Steel Coupling	15	Each	0	0.0	0	0	1.1785	18	0	0	0	0	18
3/4" EMT Set Screw Steel Connector Non Insulated Throat	4	Each	0.1	0.4	49.21	20	0.3482	1	0	0	0	0	21
3/4" Straight Sealtite Connector Steel Non Insulated Throat	2	Each	0.15	0.3	49.21	15	3.29	7	0	0	0	0	22
3/4" 90 Degree Sealtite Connector Steel Non Insulated Throat	2	Each	0.18	0.4	49.21	20	5.54	11	0	0	0	0	31
3/4" EMT Conduit Hanger w/Bolt	6	Each	0.25	1.5	49.21	74	0.18	1	0	0	0	0	75
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	19	Each	0.01	0.2	49.21	10	0.7	13	0	0	0	0	23
#10 THHN Stranded Copper Wire	680	Lin Ft	0.0075	5.1	49.21	251	0.07	48	0	0	0	0	299
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	2	Each	0.3	0.6	49.21	30	1.3705	3	0	0	0	0	33
4" Square Flat Blank Cover	2	Each	0.08	0.2	49.21	10	0.67	1	0	0	0	0	11
Size 2 480 Volt Magnetic Starter Combination MCP Non Reversing Nema 1 Enclosure	2	Each	3.7	7.4	49.21	364	1,035.7	2,071	0	0	0	0	2,435
15 Horsepower Motor Connection Three Phase 480 Volt	2	Each	1.8	3.6	49.21	177	9.88	20	0	0	0	0	197
15 HP Pump Electrical Connection - 480V Total Subcontract Amount				28.0 28.0		1,379 0		2,331 0	0 0			0 3,710	3,710 3,710
Heat Pump Electrical Connection 277V 1PH 3/4" Electrical Metallic Tubing	3,400	Lin Ft	0.05	170.0	68 Each 49.21	8,366	0.86	2,924	0	0	0	0	11,290
1/2" Steel Flexible Conduit	340	Lin Ft	0.04	13.6	49.21	669	0.25	85	0	0	0	0	754
3/4" EMT Set Screw Steel Coupling	340	Each	0	0.0	0	0	1.1785	401	0	0	0	0	401
3/4" EMT Set Screw Steel Connector Non Insulated Throat	136	Each	0.1	13.6	49.21	669	0.3482	47	0	0	0	0	716
1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	136	Each	0.12	16.3	49.21	802	1.1724	159	0	0	0	0	961
3/4" T-Bar Wire Conduit Clip	425	Each	0.01	4.3	49.21	212	0.21	89	0	0	0	0	301

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
1/8" Flange Clip for Wire & S Hooks	425	Each	0.01	4.3	49.21	212	0.28	119	0	0	0	0	331
#12 x 12' Ceiling Wire	213	Each	0.04	8.5	49.21	418	2.46	524	0	0	0	0	942
#10 THHN Stranded Copper Wire	19,040	Lin Ft	0.0075	142.8	49.21	7,027	0.07	1,333	0	0	0	0	8,360
30 Amp Fusible 600 Volt Safety Switch Heavy Duty - Nema 1 Enclosure 2 Pole	68	Each	2	136.0	49.21	6,693	172.05	11,699	0	0	0	0	18,392
15 Amp Cartridge Fuse - Class RK5 Time Delay 600 Volt	68	Each	0	0.0	0	0	5.14	350	0	0	0	0	350
20 Amp Equipment Connection	68	Each	1	68.0	49.21	3,346	5	340	0	0	0	0	3,686
Heat Pump Electrical Connection 277V 1PH				577.4		28,414		18,070	0		0		46,484
Total Subcontract Amount				577.4		0		0			46,484		46,484
Heat Pump (Lrg)Elect Connection 480V 3PH			QUANTITY:		11 Each								
1" Electrical Metallic Tubing	1,375	Lin Ft	0.055	75.6	49.21	3,720	0.64	880	0	0	0	0	4,600
1" Steel Flexible Conduit	55	Lin Ft	0.075	4.1	49.21	202	0.64	35	0	0	0	0	237
1" EMT Set Screw Steel Coupling	138	Each	0	0.0	0	0	0.81	112	0	0	0	0	112
1" EMT Set Screw Steel Connector Non Insulated Throat	22	Each	0.12	2.6	49.21	128	0.67	15	0	0	0	0	143
1" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	22	Each	0.17	3.7	49.21	182	3.3426	74	0	0	0	0	256
1" T-Bar Wire Conduit Clip	172	Each	0.01	1.7	49.21	84	0.25	43	0	0	0	0	127
1/8" Flange Clip for Wire & S Hooks	172	Each	0.01	1.7	49.21	84	0.28	48	0	0	0	0	132
#12 x 12' Ceiling Wire	86	Each	0.04	3.4	49.21	167	2.46	212	0	0	0	0	379
#10 THHN Stranded Copper Wire	1,540	Lin Ft	0.0075	11.6	49.21	571	0.07	108	0	0	0	0	679
#6 THHN Stranded Copper Wire	4,620	Lin Ft	0.012	55.4	49.21	2,726	0.34	1,571	0	0	0	0	4,297
60 Amp Fusible 600 Volt Safety Switch Heavy Duty - Nema 1 Enclosure 3 Pole	11	Each	3.3	36.3	49.21	1,786	217.93	2,397	0	0	0	0	4,183
60 Amp Cartridge Fuse - Class RK5 Time Delay 600 Volt	33	Each	0	0.0	0	0	8.69	287	0	0	0	0	287
60 Amp Equipment Connection	11	Each	4	44.0	49.21	2,165	12.5	138	0	0	0	0	2,303
Heat Pump (Lrg)Elect Connection 480V 3PH				240.1		11,815		5,920	0		0		17,735
Total Subcontract Amount				240.1		0		0			17,735		17,735
120V Kitchen Power Connection			QUANTITY:		6 Each								
3/4" Electrical Metallic Tubing	210	Lin Ft	0.05	10.5	49.21	517	0.86	181	0	0	0	0	698
1/2" Liquidite Flexible Conduit Type EF	30	Lin Ft	0.06	1.8	49.21	89	1.04	31	0	0	0	0	120

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3/4" EMT Set Screw Steel Coupling	21	Each	0	0.0	0	0	1.1785	25	0	0	0	0	25
3/4" EMT Set Screw Steel Connector Non Insulated Throat	12	Each	0.1	1.2	49.21	59	0.3482	4	0	0	0	0	63
1/2" Straight Sealtite Connector Die Cast Non Insulated Throat	6	Each	0.12	0.7	49.21	34	1.2	7	0	0	0	0	41
1/2" 90 Degree Sealtite Connector Die Cast Non Insulated Throat	6	Each	0.15	0.9	49.21	44	2.21	13	0	0	0	0	57
3/4" T-Bar Wire Conduit Clip	24	Each	0.01	0.2	49.21	10	0.21	5	0	0	0	0	15
1/8" Flange Clip for Wire & S Hooks	24	Each	0.01	0.2	49.21	10	0.28	7	0	0	0	0	17
#12 x 12' Ceiling Wire	12	Each	0.04	0.5	49.21	25	2.46	30	0	0	0	0	55
#10 THHN Stranded Copper Wire	720	Lin Ft	0.0075	5.4	49.21	266	0.07	50	0	0	0	0	316
1 Gang Masonry Box (3-1/2" Deep)	6	Each	0.35	2.1	49.21	103	2.637	16	0	0	0	0	119
1 Gang Blank Wall Plate Stainless Steel 430	6	Each	0.1	0.6	49.21	30	0.9185	6	0	0	0	0	36
30 Amp Equipment Connection	6	Each	2	12.0	49.21	591	7.5	45	0	0	0	0	636
				36.1		1,778		420		0		0	2,198
120V Kitchen Power Connection Total Subcontract Amount				36.1		0		0		0		2,198	2,198
SUB-TOTAL				1,659.7		0		0		0		134,365	134,365
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	10,749	10,749
SUB-TOTAL				1,659.7		0		0		0		145,114	145,114
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	8,707	8,707
*** EQUIPMENT WIRING SYSTEM ESTIMATED COST ***				1,659.7		0		0		0		153,821	153,821
EMERGENCY DISTRIBUTION SYSTEM													
15KW 208V Emergency Gen & Accessories			QUANTITY:	1 Each									
15KW Emergency Generator Set	1	Each	18	18.0	49.21	886	9,000	9,000	0	0	0	0	9,886
70 Amp Automatic Transfer Switch	1	Each	7	7.0	49.21	344	2,150	2,150	0	0	0	0	2,494
3' x 5' Concrete Housekeeping Pad for Interior Mounted Switchgear	1	Each	0	0.0	0	0	80	80	0	0	0	0	80
15KW 208V Emergency Gen & Accessories Total Subcontract Amount				25.0		1,230		11,230		0		0	12,460
				25.0		0		0		0		12,460	12,460

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS				
100A EM Panelboard Feeder - Linear Ftg			QUANTITY:		3 Lin Ft								
1-1/2" Electrical Metallic Tubing	3	Lin Ft	0.07	0.2	49.21	10	2.69	8	0	0	0	0	18
1-1/2" EMT Set Screw Steel Coupling	1	Each	0	0.0	0	0	2.2248	2	0	0	0	0	2
1-1/2" EMT 45 Degree Elbow	450	Each	0.4	180.0	49.21	8,858	3.2	1,440	0	0	0	0	10,298
Factory Fabricated Standard Radius													
1-1/2" EMT Set Screw Steel Connector	300	Each	0.2	60.0	49.21	2,953	1.79	537	0	0	0	0	3,490
Non Insulated Throat													
1-1/2" Steel Grounding Bushing	300	Each	0.4	120.0	49.21	5,905	5.893	1,768	0	0	0	0	7,673
Insulated													
1-1/2" EMT Unistrut Conduit Clamp	1	Each	0.04	0.1	49.21	5	1.07	1	0	0	0	0	6
#6 THHN Stranded Copper Wire	3	Lin Ft	0.012	0.1	49.21	5	0.34	1	0	0	0	0	6
#2 THHN Stranded Copper Wire	13	Lin Ft	0.018	0.2	49.21	10	0.78	10	0	0	0	0	20
100A EM Panelboard Feeder - Linear Ftg				360.6		17,746		3,767	0		0		21,513
Total Subcontract Amount				360.6		0		0			21,513		21,513
100A 120-208V Main Ckt Brkr Emerg Panel													
100 Amp Panelboard Enclosure & Front	1	Each	QUANTITY:	2.3	1 Each	49.21	113	456	456	0	0	0	569
Surface Mounted 120-208/240 Volt													
Three Phase 4 Wire													
100 Amp 3 Pole Panelboard Main Circuit	1	Each	1.06	1.1	49.21	54	124	124	0	0	0	0	178
Breaker 120-208/240 Volt													
Three Phase 4 Wire													
125 Amp Panelboard 200% Neutral Buss	1	Each	0	0.0	0	0	0	0	0	0	0	0	0
120-208/240 Volt													
125 Amp Panelboard Equipment Grounding	1	Each	0	0.0	0	0	0	0	0	0	0	0	0
Buss 120-208/240 Volt													
125 Amp Panelboard Isolated Ground Buss	1	Each	1.68	1.7	49.21	84	0	0	0	0	0	0	84
120-208/240 Volt													
Panelboard Breaker 20 Amp 1 Pole	30	Each	0.34	10.2	49.21	502	17.87	536	0	0	0	0	1,038
120 Volt Single Phase													
100A 120-208V Main Ckt Brkr Emerg Panel				15.3		753		1,116	0		0		1,869
Total Subcontract Amount				15.3		0		0			1,869		1,869
100A 277-480V Main Lug Only Emerg Panel													
100 Amp Panelboard Enclosure & Front	3	Each	QUANTITY:	9.0	3 Each	49.21	443	547	1,641	0	0	0	2,084
Surface Mounted 277-480 Volt													
Three Phase 4 Wire													
100 Amp Panelboard Main Lug Only	3	Each	0.88	2.6	49.21	128	0	0	0	0	0	0	128
277-480 Volt Three Phase 4 Wire													
125 Amp Panelboard Equipment Grounding	3	Each	0	0.0	0	0	0	0	0	0	0	0	0
Buss 277-480 Volt													
Panelboard Breaker 20 Amp 1 Pole	90	Each	0.26	23.4	49.21	1,152	0	0	0	0	0	0	1,152
277 Volt Single Phase													
100A 277-480V Main Lug Only Emerg Panel				35.0		1,723		1,641	0		0		3,364
Total Subcontract Amount				35.0		0		0			3,364		3,364

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Remote Generator Annunciator			QUANTITY:		1 Each								
3/4" Electrical Metallic Tubing	100	Lin Ft	0.05	5.0	49.21	246	0.38	38	0	0	0	0	284
3/4" EMT Set Screw Steel Coupling	10	Each	0	0.0	0	0	1.1785	12	0	0	0	0	12
3/4" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.1	0.2	49.21	10	0.3482	1	0	0	0	0	11
3/4" EMT Conduit Hanger w/Bolt	13	Each	0.25	3.3	49.21	162	0.18	2	0	0	0	0	164
#14 THHN Stranded Copper Wire	1,000	Lin Ft	0.005	5.0	49.21	246	0.07	70	0	0	0	0	316
Remote Generator Annunciator	1	Each	3	3.0	49.21	148	750	750	0	0	0	0	898
				16.5		812		873	0		0		1,685
Remote Generator Annunciator Total Subcontract Amount				16.5		0		0	0		1,685		1,685
15 KVA Dry Transformer - 115 Degree			QUANTITY:		1 Each								
3/4" Electrical Metallic Tubing	50	Lin Ft	0.05	2.5	49.21	123	0.86	43	0	0	0	0	166
1" Electrical Metallic Tubing	10	Lin Ft	0.055	0.6	49.21	30	0.64	6	0	0	0	0	36
3/4" Steel Flexible Conduit	10	Lin Ft	0.05	0.5	49.21	25	0.34	3	0	0	0	0	28
1" Steel Flexible Conduit	5	Lin Ft	0.075	0.4	49.21	20	0.64	3	0	0	0	0	23
3/4" EMT Set Screw Steel Coupling	5	Each	0	0.0	0	0	1.1785	6	0	0	0	0	6
1" EMT Set Screw Steel Coupling	1	Each	0	0.0	0	0	0.81	1	0	0	0	0	1
3/4" EMT Set Screw Steel Connector Non Insulated Throat	4	Each	0.1	0.4	49.21	20	0.3482	1	0	0	0	0	21
1" EMT Set Screw Steel Connector Non Insulated Throat	2	Each	0.12	0.2	49.21	10	0.67	1	0	0	0	0	11
3/4" Steel Grounding Bushing Insulated	4	Each	0.21	0.8	49.21	39	3.2876	13	0	0	0	0	52
1" Steel Grounding Bushing Insulated	2	Each	0.22	0.4	49.21	20	3.74	7	0	0	0	0	27
3/4" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	2	Each	0.14	0.3	49.21	15	1.2257	2	0	0	0	0	17
1" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	1	Each	0.17	0.2	49.21	10	3.3426	3	0	0	0	0	13
3/4" Flexible Conduit Connector Steel Squeeze Style - 90 Degree Non Insulated Throat	2	Each	0.17	0.3	49.21	15	2.4492	5	0	0	0	0	20
1" Flexible Conduit Connector Steel Squeeze Style - 90 Degree Non Insulated Throat	1	Each	0.21	0.2	49.21	10	5.2584	5	0	0	0	0	15
1" EMT Conduit Hanger w/Bolt	2	Each	0.25	0.5	49.21	25	0.21	1	0	0	0	0	26

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR MAN HOURS TOTAL	LABOR DOLLARS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	MATERIAL DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
3/4" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	6	Each	0.01	0.1	49.21	5	0.7	4	0	0	0	0	9
#10 THHN Stranded Copper Wire	220	Lin Ft	0.0075	1.7	49.21	84	0.07	15	0	0	0	0	99
#6 THHN Stranded Copper Wire	80	Lin Ft	0.012	1.0	49.21	49	0.34	27	0	0	0	0	76
#3 THHN Stranded Copper Wire	10	Lin Ft	0.016	0.2	49.21	10	0.62	6	0	0	0	0	16
15 KVA Three Phase Dry Transformer Standard 480 Volt x 208 Volt	1	Each	9	9.0	49.21	443	451.2	451	0	0	0	0	894
15-45 Dry Transformer Lug Kit	1	Each	0	0.0	0	0	39.2	39	0	0	0	0	39
2' x 3' Concrete Housekeeping Pad for Interior Pad Mounted Transformer	1	Each	2	2.0	49.21	98	60	60	0	0	0	0	158
				21.3		1,051		702		0		0	1,753
15 KVA Dry Transformer - 115 Degree					21.3		0		0			1,753	1,753
Total Subcontract Amount													
SUB-TOTAL				473.7		0		0		0		42,644	42,644
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	3,412	3,412
SUB-TOTAL				473.7		0		0		0		46,056	46,056
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	2,763	2,763
*** EMERGENCY DISTRIBUTION SYSTEM ESTIMATED COST ***				473.7		0		0		0		48,819	48,819
CABLE TRAY SYSTEM													
Center Hung Cable Tray System				QUANTITY:	923 Lin Ft								
3/8" 16 Steel Hex Nut	231	Each	0.02	4.6	49.21	226	0.0611	14	0	0	0	0	240
3/8" Flat Washer	231	Each	0	0.0	0	0	0.0323	7	0	0	0	0	7
3/8" Beam Clamp	78	Each	0.3	23.4	49.21	1,152	4.25	332	0	0	0	0	1,484
3/8" All-Thread - Lineal Foot	462	Lin Ft	0.225	104.0	49.21	5,118	0.5	231	0	0	0	0	5,349
Center Hung Cable Tray System	923	Lin Ft	0.16	147.7	49.21	7,268	11	10,153	0	0	0	0	17,421
				279.7		13,764		10,737		0		0	24,501
Center Hung Cable Tray System					279.7		0		0			24,501	24,501
Total Subcontract Amount													
SUB-TOTAL				279.7		0		0		0		24,501	24,501
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	1,960	1,960
SUB-TOTAL				279.7		0		0		0		26,461	26,461

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	1,588	1,588
*** CABLE TRAY SYSTEM ESTIMATED COST ***				279.7		0		0				28,049	28,049
SECURITY SYSTEM													
Security Card Reader Station			QUANTITY:		10 Each								
3/4" Electrical Metallic Tubing	100	Lin Ft	0.05	5.0	49.21	246	0.86	86	0	0	0	0	332
3/4" EMT Set Screw Steel Connector Non Insulated Throat	20	Each	0.1	2.0	49.21	98	0.3482	7	0	0	0	0	105
3/4" EMT Conduit Hanger w/Bolt	20	Each	0.25	5.0	49.21	246	0.18	4	0	0	0	0	250
Security System Card Reader	10	Each	2	20.0	49.21	984	605	6,050	0	0	0	0	7,034
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	10	Each	0.3	3.0	49.21	148	0.5722	6	0	0	0	0	154
4" Square Flat Blank Cover	10	Each	0.08	0.8	49.21	39	0.67	7	0	0	0	0	46
Security Card Reader Station				35.8		1,761		6,160	0	0	0	0	7,921
Total Subcontract Amount				35.8		0		0	0	0	0	7,921	7,921
Security Door Strike Detector			QUANTITY:		15 Each								
3/4" Electrical Metallic Tubing	150	Lin Ft	0.05	7.5	49.21	369	0.86	129	0	0	0	0	498
3/4" EMT Set Screw Steel Connector Non Insulated Throat	30	Each	0.1	3.0	49.21	148	0.3482	10	0	0	0	0	158
3/4" EMT Conduit Hanger w/Bolt	30	Each	0.25	7.5	49.21	369	0.18	5	0	0	0	0	374
Security Door Strike Detector	15	Each	1	15.0	49.21	738	15	225	0	0	0	0	963
Security Point of Protection Interface	15	Each	1	15.0	49.21	738	60	900	0	0	0	0	1,638
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	15	Each	0.3	4.5	49.21	221	0.5722	9	0	0	0	0	230
4" Square Flat Blank Cover	15	Each	0.08	1.2	49.21	59	0.67	10	0	0	0	0	69
Security Door Strike Detector				53.7		2,642		1,288	0	0	0	0	3,930
Total Subcontract Amount				53.7		0		0	0	0	0	3,930	3,930
Security Head End Equipment			QUANTITY:		2 Each								
Security Head End Equipment	2	Each	8	16.0	49.21	787	2,650	5,300	0	0	0	0	6,087
Security Head End Equipment				16.0		787		5,300	0	0	0	0	6,087
Total Subcontract Amount				16.0		0		0	0	0	0	6,087	6,087

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	EQUIPMENT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
Security Ceiling Motion Sensor			QUANTITY:		13 Each							
3/4" Electrical Metallic Tubing	130	Lin Ft	0.05	6.5	49.21	320	0.86	112	0	0	0	432
3/4" EMT Set Screw Steel Connector Non Insulated Throat	26	Each	0.1	2.6	49.21	128	0.3482	9	0	0	0	137
3/4" EMT Conduit Hanger w/Bolt	26	Each	0.25	6.5	49.21	320	0.18	5	0	0	0	325
Security Point of Protection Interface	13	Each	1	13.0	49.21	640	60	780	0	0	0	1,420
Security Ceiling Mounted Motion Sensor	13	Each	2	26.0	49.21	1,279	75	975	0	0	0	2,254
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	13	Each	0.3	3.9	49.21	192	0.5722	7	0	0	0	199
4" Square Flat Blank Cover	13	Each	0.08	1.0	49.21	49	0.67	9	0	0	0	58
Security Ceiling Motion Sensor				59.5		2,928		1,897		0	0	4,825
Total Subcontract Amount				59.5		0		0		0	4,825	4,825
SUB-TOTAL				165.0		0		0		0	22,763	22,763
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	1,821
SUB-TOTAL				165.0		0		0		0	24,584	24,584
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	1,475
*** SECURITY SYSTEM ESTIMATED COST ***				165.0		0		0		0	26,059	26,059
FIRE ALARM SYSTEM												
Fire Alarm Door Holder - GWB			QUANTITY:		25 Each							
1/2" Electrical Metallic Tubing	625	Lin Ft	0.045	28.1	49.21	1,383	0.2	125	0	0	0	1,508
1/2" EMT Set Screw Steel Coupling	63	Each	0	0.0	0	0	0.5994	38	0	0	0	38
1/2" EMT Set Screw Steel Connector Non Insulated Throat	50	Each	0.08	4.0	49.21	197	0.2141	11	0	0	0	208
1/2" Metal Stud Conduit Clip	50	Each	0.01	0.5	49.21	25	0.7201	36	0	0	0	61
1/2" T-Bar Wire Conduit Clip	50	Each	0.01	0.5	49.21	25	0.193	10	0	0	0	35
1/8" Flange Clip for Wire & S Hooks	50	Each	0.01	0.5	49.21	25	0.28	14	0	0	0	39
#12 x 12' Ceiling Wire	25	Each	0.04	1.0	49.21	49	2.46	62	0	0	0	111
#14 Two Conductor Fire Alarm Cable Non Shielded Plenum Signal Cable	1,500	Lin Ft	0.01	15.0	49.21	738	0.23	345	0	0	0	1,083
Fire Alarm Door Holder	25	Each	0.75	18.8	49.21	925	53.33	1,333	0	0	0	2,258
4" Square x 2-1/8" Deep Box w/Bracket 1/2" & 3/4" Knockouts	25	Each	0.3	7.5	49.21	369	1.7068	43	0	0	0	412

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
4" Square Single Gang Plaster Ring 5/8" Deep	25	Each	0.15	3.8	49.21	187	1.58	40	0	0	0	0	227
Fire Alarm Door Holder - GWB				79.7		3,923		2,057	0		0		5,980
Total Subcontract Amount				79.7		0		0	0		5,980		5,980
Fire Alarm Heat Detector - ATC			QUANTITY:		10 Each								
1/2" Electrical Metallic Tubing	250	Lin Ft	0.045	11.3	49.21	556	0.2	50	0	0	0	0	606
1/2" EMT Set Screw Steel Coupling	25	Each	0	0.0	0	0	0.5994	15	0	0	0	0	15
1/2" EMT Set Screw Steel Connector Non Insulated Throat	20	Each	0.08	1.6	49.21	79	0.2141	4	0	0	0	0	83
1/2" T-Bar Wire Conduit Clip	40	Each	0.01	0.4	49.21	20	0.193	8	0	0	0	0	28
1/8" Flange Clip for Wire & S Hooks	40	Each	0.01	0.4	49.21	20	0.28	11	0	0	0	0	31
Caddy T-Bar Box Hanger	10	Each	0.15	1.5	49.21	74	3.31	33	0	0	0	0	107
#12 x 12' Ceiling Wire	20	Each	0.04	0.8	49.21	39	2.46	49	0	0	0	0	88
#18 Two Conductor Fire Alarm Plenum Cable Shielded Initiating Cable	300	Lin Ft	0.01	3.0	49.21	148	0.18	54	0	0	0	0	202
Fire Alarm Heat Detector	10	Each	0.75	7.5	49.21	369	56	560	0	0	0	0	929
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	10	Each	0.3	3.0	49.21	148	0.5722	6	0	0	0	0	154
4" Square to 3" Round Plaster Ring 5/8" Deep	10	Each	0.15	1.5	49.21	74	1.97	20	0	0	0	0	94
Fire Alarm Heat Detector - ATC				31.0		1,527		810	0		0		2,337
Total Subcontract Amount				31.0		0		0	0		2,337		2,337
Fire Alarm Horn Strobe Unit - GWB			QUANTITY:		71 Each								
1/2" Electrical Metallic Tubing	1,775	Lin Ft	0.045	79.9	49.21	3,932	0.2	355	0	0	0	0	4,287
1/2" EMT Set Screw Steel Coupling	178	Each	0	0.0	0	0	0.5994	107	0	0	0	0	107
1/2" EMT Set Screw Steel Connector Non Insulated Throat	142	Each	0.08	11.4	49.21	561	0.2141	30	0	0	0	0	591
1/2" Metal Stud Conduit Clip	142	Each	0.01	1.4	49.21	69	0.7201	102	0	0	0	0	171
1/2" T-Bar Wire Conduit Clip	142	Each	0.01	1.4	49.21	69	0.193	27	0	0	0	0	96
1/8" Flange Clip for Wire & S Hooks	142	Each	0.01	1.4	49.21	69	0.28	40	0	0	0	0	109
#12 x 12' Ceiling Wire	71	Each	0.04	2.8	49.21	138	2.46	175	0	0	0	0	313
#14 Two Conductor Fire Alarm Cable Non Shielded Plenum Signal Cable	4,260	Lin Ft	0.01	42.6	49.21	2,096	0.23	980	0	0	0	0	3,076
Fire Alarm Horn Strobe Unit	71	Each	0.85	60.4	49.21	2,972	50	3,550	0	0	0	0	6,522

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
4" Square x 2-1/8" Deep Box w/Bracket 1/2" & 3/4" Knockouts	71	Each	0.3	21.3	49.21	1,048	1.7068	121	0	0	0	0	1,169
4" Square Box Extention Ring 1/2" & 3/4" Knockouts	71	Each	0.15	10.7	49.21	527	3.2955	234	0	0	0	0	761
Fire Alarm Horn Strobe Unit - GWB				233.3		11,481		5,721	0		0		17,202
Total Subcontract Amount				233.3		0		0			17,202		17,202
Fire Alarm Manual Station - GWB			QUANTITY:		9 Each								
1/2" Electrical Metallic Tubing	225	Lin Ft	0.045	10.1	49.21	497	0.2	45	0	0	0	0	542
1/2" EMT Set Screw Steel Coupling	23	Each	0	0.0	0	0	0.5994	14	0	0	0	0	14
1/2" EMT Set Screw Steel Connector Non Insulated Throat	18	Each	0.08	1.4	49.21	69	0.2141	4	0	0	0	0	73
1/2" Metal Stud Conduit Clip	18	Each	0.01	0.2	49.21	10	0.7201	13	0	0	0	0	23
1/2" T-Bar Wire Conduit Clip	18	Each	0.01	0.2	49.21	10	0.193	3	0	0	0	0	13
1/8" Flange Clip for Wire & S Hooks	18	Each	0.01	0.2	49.21	10	0.28	5	0	0	0	0	15
#12 x 12' Ceiling Wire	9	Each	0.04	0.4	49.21	20	2.46	22	0	0	0	0	42
#18 Two Conductor Fire Alarm Plenum Cable Shielded Initiating Cable	270	Lin Ft	0.01	2.7	49.21	133	0.18	49	0	0	0	0	182
Fire Alarm Manual Station	9	Each	0.75	6.8	49.21	335	66	594	0	0	0	0	929
4" Square x 1-1/2" Deep Box w/Bracket 1/2" & 3/4" Knockouts	9	Each	0.3	2.7	49.21	133	0.8421	8	0	0	0	0	141
4" Square Single Gang Plaster Ring 5/8" Deep	9	Each	0.15	1.4	49.21	69	1.58	14	0	0	0	0	83
Fire Alarm Manual Station - GWB				26.1		1,286		771	0		0		2,057
Total Subcontract Amount				26.1		0		0			2,057		2,057
Fire Alarm Panel - Elementary School			QUANTITY:		1 Each								
Fire Alarm Main Panel for Elementary Size Schools	1	Each	20	20.0	49.21	984	1,948	1,948	0	0	0	0	2,932
Fire Alarm Panel - Elementary School				20.0		984		1,948	0		0		2,932
Total Subcontract Amount				20.0		0		0			2,932		2,932
Fire Alarm Printer			QUANTITY:		1 Each								
Fire Alarm Printer	1	Each	1	1.0	49.21	49	875.73	876	0	0	0	0	925
Fire Alarm Printer				1.0		49		876	0		0		925
Total Subcontract Amount				1.0		0		0			925		925

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Fire Alarm Strobe Unit - GWB			QUANTITY:		43 Each								
1/2" Electrical Metallic Tubing	1,075	Lin Ft	0.045	48.4	49.21	2,382	0.2	215	0	0	0	0	2,597
1/2" EMT Set Screw Steel Coupling	108	Each	0	0.0	0	0	0.5994	65	0	0	0	0	65
1/2" EMT Set Screw Steel Connector Non Insulated Throat	86	Each	0.08	6.9	49.21	340	0.2141	18	0	0	0	0	358
1/2" Metal Stud Conduit Clip	86	Each	0.01	0.9	49.21	44	0.7201	62	0	0	0	0	106
1/2" T-Bar Wire Conduit Clip	86	Each	0.01	0.9	49.21	44	0.193	17	0	0	0	0	61
1/8" Flange Clip for Wire & S Hooks	86	Each	0.01	0.9	49.21	44	0.28	24	0	0	0	0	68
#12 x 12' Ceiling Wire	43	Each	0.04	1.7	49.21	84	2.46	106	0	0	0	0	190
#14 Two Conductor Fire Alarm Cable Non Shielded Plenum Signal Cable	2,580	Lin Ft	0.01	25.8	49.21	1,270	0.23	593	0	0	0	0	1,863
Fire Alarm Strobe	43	Each	0.75	32.3	49.21	1,589	32.33	1,390	0	0	0	0	2,979
4" Square x 2-1/8" Deep Box w/Bracket 1/2" & 3/4" Knockouts	43	Each	0.3	12.9	49.21	635	1.7068	73	0	0	0	0	708
4" Square Box Extention Ring 1/2" & 3/4" Knockouts	43	Each	0.15	6.5	49.21	320	3.2955	142	0	0	0	0	462
Fire Alarm Strobe Unit - GWB				137.2		6,752		2,705	0	0	0	0	9,457
Total Subcontract Amount				137.2		0		0	0	0	9,457	0	9,457
Fire Alarm Strobe Unit - Masonry			QUANTITY:		10 Each								
1/2" Electrical Metallic Tubing	250	Lin Ft	0.045	11.3	49.21	556	0.2	50	0	0	0	0	606
1/2" EMT Set Screw Steel Coupling	25	Each	0	0.0	0	0	0.5994	15	0	0	0	0	15
1/2" EMT Set Screw Steel Connector Non Insulated Throat	20	Each	0.08	1.6	49.21	79	0.2141	4	0	0	0	0	83
1/2" T-Bar Wire Conduit Clip	20	Each	0.01	0.2	49.21	10	0.193	4	0	0	0	0	14
1/8" Flange Clip for Wire & S Hooks	20	Each	0.01	0.2	49.21	10	0.28	6	0	0	0	0	16
#12 x 12' Ceiling Wire	10	Each	0.04	0.4	49.21	20	2.46	25	0	0	0	0	45
#14 Two Conductor Fire Alarm Cable Non Shielded Plenum Signal Cable	600	Lin Ft	0.01	6.0	49.21	295	0.23	138	0	0	0	0	433
Fire Alarm Strobe	10	Each	0.75	7.5	49.21	369	32.33	323	0	0	0	0	692
2 Gang Masonry Box (3-1/2" Deep)	10	Each	0.37	3.7	49.21	182	4.51	45	0	0	0	0	227
Fire Alarm Strobe Unit - Masonry				30.9		1,521		610	0	0	0	0	2,131
Total Subcontract Amount				30.9		0		0	0	0	2,131	0	2,131
Fire Alarm Smoke Detector - ATC			QUANTITY:		9 Each								
1/2" Electrical Metallic Tubing	225	Lin Ft	0.045	10.1	49.21	497	0.2	45	0	0	0	0	542

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS
1/2" EMT Set Screw Steel Coupling	23	Each	0	0.0	0	0.5994	14	0
1/2" EMT Set Screw Steel Connector Non Insulated Throat	18	Each	0.08	1.4	49.21	69	0.2141	4
1/2" T-Bar Wire Conduit Clip	36	Each	0.01	0.4	49.21	20	0.193	7
1/8" Flange Clip for Wire & S Hooks	36	Each	0.01	0.4	49.21	20	0.28	10
Caddy T-Bar Box Hanger	9	Each	0.15	1.4	49.21	69	3.31	30
#12 x 12' Ceiling Wire	18	Each	0.04	0.7	49.21	34	2.46	44
#18 Two Conductor Fire Alarm Plenum Cable Shielded Initiating Cable	270	Lin Ft	0.01	2.7	49.21	133	0.18	49
Fire Alarm Smoke Detector	9	Each	0.75	6.8	49.21	335	39	351
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	9	Each	0.3	2.7	49.21	133	0.5722	5
4" Square to 3" Round Plaster Ring 5/8" Deep	9	Each	0.15	1.4	49.21	69	1.97	18
Fire Alarm Smoke Detector - ATC				28.0		1,379		577
Total Subcontract Amount				28.0		0		0
Fire Alarm Smoke Detector - Corridor			QUANTITY:		53 Each			
Caddy T-Bar Box Hanger	53	Each	0.15	8.0	49.21	394	3.31	175
Fire Alarm Smoke Detector	53	Each	0.75	39.8	49.21	1,959	39	2,067
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	53	Each	0.3	15.9	49.21	782	0.5722	30
4" Square to 3" Round Plaster Ring 5/8" Deep	53	Each	0.15	8.0	49.21	394	1.97	104
Fire Alarm Smoke Detector - Corridor				71.7		3,529		2,376
Total Subcontract Amount				71.7		0		0
Smoke Damper Connection			QUANTITY:		10 Each			
3/4" Electrical Metallic Tubing	750	Lin Ft	0.05	37.5	49.21	1,845	0.86	645
3/4" Steel Flexible Conduit	50	Lin Ft	0.05	2.5	49.21	123	0.34	17
3/4" EMT Set Screw Steel Coupling	75	Each	0	0.0	0	1.1785	88	0
3/4" EMT Set Screw Steel Connector Non Insulated Throat	20	Each	0.1	2.0	49.21	98	0.3482	7
3/4" Flexible Conduit Connector Steel Squeeze Style - Straight	20	Each	0.14	2.8	49.21	138	1.2257	25
Non Insulated Throat #12 THHN Copper Solid Wire	2,550	Lin Ft	0.006	15.3	49.21	753	0.04	102
4" Square x 2-1/8" Deep Box 1/2" & 3/4" Knockouts	10	Each	0.3	3.0	49.21	148	1.3705	14

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
4" Square Flat Blank Cover	10	Each	0.08	0.8	49.21	39	0.67	7	0	0	0	0	46
20 Amp Equipment Connection	10	Each	1	10.0	49.21	492	5	50	0	0	0	0	542
Smoke Damper Connection				73.9		3,636		955	0	0	0	0	4,591
Total Subcontract Amount				73.9		0		0	0	0	4,591	0	4,591
Fire Sprinkler Flow Switch Monitor			QUANTITY:		4 Each								
1/2" Electrical Metallic Tubing	200	Lin Ft	0.045	9.0	49.21	443	0.2	40	0	0	0	0	483
1/2" Steel Flexible Conduit	20	Lin Ft	0.04	0.8	49.21	39	0.25	5	0	0	0	0	44
1/2" EMT Set Screw Steel Coupling	20	Each	0	0.0	0	0	0.5994	12	0	0	0	0	12
1/2" EMT Set Screw Steel Connector Non Insulated Throat	8	Each	0.08	0.6	49.21	30	0.2141	2	0	0	0	0	32
1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	8	Each	0.12	1.0	49.21	49	1.1724	9	0	0	0	0	58
1/2" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	32	Each	0.01	0.3	49.21	15	0.7	22	0	0	0	0	37
#18 Two Conductor Fire Alarm Plenum Cable Shielded Initiating Cable	280	Lin Ft	0.01	2.8	49.21	138	0.18	50	0	0	0	0	188
Fire Alarm Flow Switch Monitor Unit	4	Each	0.75	3.0	49.21	148	44	176	0	0	0	0	324
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	4	Each	0.3	1.2	49.21	59	0.5722	2	0	0	0	0	61
4" Square Flat Blank Cover	4	Each	0.08	0.3	49.21	15	0.67	3	0	0	0	0	18
Fire Sprinkler Flow Switch Monitor				19.0		936		321	0	0	0	0	1,257
Total Subcontract Amount				19.0		0		0	0	0	1,257	0	1,257
Fire Sprinkler Tamper Switch Monitor			QUANTITY:		4 Each								
1/2" Electrical Metallic Tubing	200	Lin Ft	0.045	9.0	49.21	443	0.2	40	0	0	0	0	483
1/2" Steel Flexible Conduit	20	Lin Ft	0.04	0.8	49.21	39	0.25	5	0	0	0	0	44
1/2" EMT Set Screw Steel Coupling	20	Each	0	0.0	0	0	0.5994	12	0	0	0	0	12
1/2" EMT Set Screw Steel Connector Non Insulated Throat	8	Each	0.08	0.6	49.21	30	0.2141	2	0	0	0	0	32
1/2" Flexible Conduit Connector Steel Squeeze Style - Straight Non Insulated Throat	8	Each	0.12	1.0	49.21	49	1.1724	9	0	0	0	0	58
1/2" Conduit to 1/8" Steel Beam Flange Mounted Right Angle Clip	32	Each	0.01	0.3	49.21	15	0.7	22	0	0	0	0	37
#18 Two Conductor Fire Alarm Plenum Cable Shielded Initiating Cable	280	Lin Ft	0.01	2.8	49.21	138	0.18	50	0	0	0	0	188
Fire Alarm Tamper Switch Monitor Unit	4	Each	0.75	3.0	49.21	148	44	176	0	0	0	0	324

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	4	Each	0.3	1.2	49.21	59	0.5722	2	0	0	0	0	61
4" Square Flat Blank Cover	4	Each	0.08	0.3	49.21	15	0.67	3	0	0	0	0	18
Fire Sprinkler Tamper Switch Monitor				19.0		936		321	0		0		1,257
Total Subcontract Amount				19.0		0		0			1,257		1,257
Fire Alarm Speaker Strobe Unit - Masonry			QUANTITY:		3 Each								
1/2" Electrical Metallic Tubing	75	Lin Ft	0.045	3.4	49.21	167	0.2	15	0	0	0	0	182
1/2" EMT Set Screw Steel Coupling	8	Each	0	0.0	0	0	0.5994	5	0	0	0	0	5
1/2" EMT Set Screw Steel Connector Non Insulated Throat	6	Each	0.08	0.5	49.21	25	0.2141	1	0	0	0	0	26
1/2" T-Bar Wire Conduit Clip	6	Each	0.01	0.1	49.21	5	0.193	1	0	0	0	0	6
1/8" Flange Clip for Wire & S Hooks	6	Each	0.01	0.1	49.21	5	0.28	2	0	0	0	0	7
#12 x 12' Ceiling Wire	3	Each	0.04	0.1	49.21	5	2.46	7	0	0	0	0	12
#14 Two Conductor Fire Alarm Cable Non Shielded Plenum Signal Cable	360	Lin Ft	0.01	3.6	49.21	177	0.23	83	0	0	0	0	260
Fire Alarm Speaker Strobe	3	Each	1	3.0	49.21	148	65	195	0	0	0	0	343
Gangable Masonry Box (3-1/2" Deep)	3	Each	0.35	1.1	49.21	54	3.06	9	0	0	0	0	63
Fire Alarm Speaker Strobe Unit - Masonry				11.9		586		318	0		0		904
Total Subcontract Amount				11.9		0		0			904		904
Fire Alarm Corridor Trunk			QUANTITY:		930 Lin Ft								
3/4" Electrical Metallic Tubing	930	Lin Ft	0.05	46.5	49.21	2,288	0.86	800	0	0	0	0	3,088
3/4" EMT Set Screw Steel Coupling	93	Each	0	0.0	0	0	1.1785	110	0	0	0	0	110
3/4" EMT Set Screw Steel Connector Non Insulated Throat	74	Each	0.1	7.4	49.21	364	0.3482	26	0	0	0	0	390
3/4" T-Bar Wire Conduit Clip	116	Each	0.01	1.2	49.21	59	0.21	24	0	0	0	0	83
1/8" Flange Clip for Wire & S Hooks	116	Each	0.01	1.2	49.21	59	0.28	32	0	0	0	0	91
#12 x 12' Ceiling Wire	60	Each	0.04	2.4	49.21	118	2.46	148	0	0	0	0	266
#14 Two Conductor Fire Alarm Cable Non Shielded Plenum Signal Cable	3,348	Lin Ft	0.01	33.5	49.21	1,649	0.23	770	0	0	0	0	2,419
#18 Two Conductor Fire Alarm Plenum Cable Shielded Initiating Cable	1,116	Lin Ft	0.01	11.2	49.21	551	0.18	201	0	0	0	0	752
4" Square x 1-1/2" Deep Box 1/2" & 3/4" Knockouts	37	Each	0.3	11.1	49.21	546	0.5722	21	0	0	0	0	567
4" Square Flat Blank Cover	37	Each	0.08	3.0	49.21	148	0.67	25	0	0	0	0	173
Fire Alarm Corridor Trunk				117.5		5,782		2,157	0		0		7,939

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Total Subcontract Amount				117.5		0		0		0		7,939	7,939
Fire Alarm Voice Panel	1	Each	QUANTITY: 6	6.0	1 Each 49.21	295	1,916.67	1,917	0	0	0	0	2,212
Fire Alarm Voice Panel				6.0		295		1,917		0		0	2,212
Total Subcontract Amount				6.0		0		0		0		2,212	2,212
SUB-TOTAL				906.2		0		0		0		69,042	69,042
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	5,523	5,523
SUB-TOTAL				906.2		0		0		0		74,565	74,565
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	4,474	4,474
*** FIRE ALARM SYSTEM ESTIMATED COST ***				906.2		0		0		0		79,039	79,039
SYNCHRONOUS CLOCK SYSTEM													
Single Face Wall Clock			QUANTITY:		67 Each								
1/2" Electrical Metallic Tubing	670	Lin Ft	0.045	30.2	49.21	1,486	0.2	134	0	0	0	0	1,620
1/2" EMT Set Screw Steel Coupling	67	Each	0	0.0	0	0	0.5994	40	0	0	0	0	40
1/2" EMT Set Screw Steel Connector Non Insulated Throat	134	Each	0.08	10.7	49.21	527	0.2141	29	0	0	0	0	556
1/2" Metal Stud Conduit Clip	134	Each	0.01	1.3	49.21	64	0.7201	96	0	0	0	0	160
16-3 Plenum Rated Clock Cable	3,350	Each	0.013	43.6	49.21	2,146	0.118	395	0	0	0	0	2,541
Single Face Synchronous Wall Clock	67	Each	1.2	80.4	49.21	3,956	128	8,576	0	0	0	0	12,532
4" Square x 1-1/2" Deep Box w/Bracket	67	Each	0.3	20.1	49.21	989	0.7467	50	0	0	0	0	1,039
1/2" Knockouts													
4" Square Single Gang Plaster Ring	67	Each	0.15	10.1	49.21	497	1.58	106	0	0	0	0	603
5/8" Deep													
Single Face Wall Clock				196.4		9,665		9,426		0		0	19,091
Total Subcontract Amount				196.4		0		0		0		19,091	19,091
Dual Face Wall Clock			QUANTITY:		10 Each								
1/2" Electrical Metallic Tubing	100	Lin Ft	0.045	4.5	49.21	221	0.2	20	0	0	0	0	241
1/2" EMT Set Screw Steel Coupling	10	Each	0	0.0	0	0	0.5994	6	0	0	0	0	6
1/2" EMT Set Screw Steel Connector Non Insulated Throat	20	Each	0.08	1.6	49.21	79	0.2141	4	0	0	0	0	83

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	LABOR DOLLARS UNIT	MATERIAL DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	SUBCONTRACT DOLLARS TOTAL	TOTAL DOLLARS
1/2" Metal Stud Conduit Clip	20	Each	0.01	0.2	49.21	10	0.7201	14	0	0	0	24
16-3 Plenum Rated Clock Cable	500	Each	0.013	6.5	49.21	320	0.118	59	0	0	0	379
Dual Face Synchronous Wall Clock	10	Each	1.5	15.0	49.21	738	250	2,500	0	0	0	3,238
4" Square x 1-1/2" Deep Box w/Bracket 1/2" Knockouts	10	Each	0.3	3.0	49.21	148	0.7467	7	0	0	0	155
4" Square Single Gang Plaster Ring 5/8" Deep	10	Each	0.15	1.5	49.21	74	1.58	16	0	0	0	90
Dual Face Wall Clock				32.3		1,590		2,626	0		0	4,216
Total Subcontract Amount				32.3		0		0	0		4,216	4,216
Clock System Master Controller	1	Each	QUANTITY: 5	5.0	1 Each 49.21	246	2,600	2,600	0	0	0	2,846
Clock System Master Controller				5.0		246		2,600	0		0	2,846
Total Subcontract Amount				5.0		0		0	0		2,846	2,846
SUB-TOTAL				233.7		0		0	0		26,153	26,153
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	2,092
SUB-TOTAL				233.7		0		0	0		28,245	28,245
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	1,695
*** SYNCHRONOUS CLOCK SYSTEM ESTIMATED COST ***				233.7		0		0	0		29,940	29,940
DATA AND VOICE SYSTEM												
Data Outlet in GWB	2,570	Lin Ft	QUANTITY: 0.05	128.5	257 Each 49.21	6,323	0.86	2,210	0	0	0	8,533
3/4" Electrical Metallic Tubing	514	Each	0.1	51.4	49.21	2,529	0.3482	179	0	0	0	2,708
3/4" EMT Set Screw Steel Connector Non Insulated Throat	257	Each	0.12	30.8	49.21	1,516	0.1556	40	0	0	0	1,556
3/4" Plastic Bushing	514	Each	0.01	5.1	49.21	251	0.72	370	0	0	0	621
3/4" Metal Stud Conduit Clip	64,250	Each	0.01	642.5	49.21	31,617	0.105	6,746	0	0	0	38,363
24 Gauge - 4 Pair Category V Data Cable	257	Each	0.3	77.1	49.21	3,794	1.7068	439	0	0	0	4,233
4" Square x 2-1/8" Deep Box w/Bracket 1/2" & 3/4" Knockouts	257	Each	0.15	38.6	49.21	1,900	1.58	406	0	0	0	2,306
4" Square Single Gang Plaster Ring 5/8" Deep	257	Each	0.1	25.7	49.21	1,265	6.5	1,671	0	0	0	2,936
Data Plate												
Data Outlet in GWB				999.7		49,195		12,061	0		0	61,256

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS				
Total Subcontract Amount			999.7	0	0	0	61,256	61,256				
Data System Head End Equipment Data Racks Including Fiber & Copper Backbone Cabling	1	Each	QUANTITY: 0	0.0	1 Each 0	0	9,185	9,185				
Data System Head End Equipment Total Subcontract Amount			0.0	0	9,185	0	0	9,185				
Data System Head End Equipment Total Subcontract Amount			0.0	0	0	9,185	9,185	9,185				
Data Outlet in Masonry 3/4" Electrical Metallic Tubing	40	Lin Ft	QUANTITY: 0.05	2.0	4 Each 49.21	98	0.86	34	0	0	0	132
3/4" EMT Set Screw Steel Connector Non Insulated Throat	8	Each	0.1	0.8	49.21	39	0.3482	3	0	0	0	42
3/4" Plastic Bushing	4	Each	0.12	0.5	49.21	25	0.1556	1	0	0	0	26
24 Gauge - 4 Pair Category V Data Cable	1,000	Each	0.01	10.0	49.21	492	0.105	105	0	0	0	597
1 Gang Masonry Box (3-1/2" Deep)	4	Each	0.35	1.4	49.21	69	2.637	11	0	0	0	80
Data Plate	4	Each	0.1	0.4	49.21	20	6.5	26	0	0	0	46
Data Outlet in Masonry Total Subcontract Amount			15.1	743	180	0	0	923	923	923	923	
Data Rack Equipment Data Rack Equipment	4	Each	QUANTITY: 0	0.0	4 Each 0	0	2,500	10,000	0	0	0	10,000
Data Rack Equipment Total Subcontract Amount			0.0	0	10,000	0	0	10,000	10,000	10,000		
Voice - Data Outlet in GWB 3/4" Electrical Metallic Tubing	600	Lin Ft	QUANTITY: 0.05	30.0	60 Each 49.21	1,476	0.86	516	0	0	0	1,992
3/4" Metal Stud Conduit Clip	120	Each	0.01	1.2	49.21	59	0.72	86	0	0	0	145
24 Gauge - 4 Pair Category V Data Cable	15,000	Each	0.01	150.0	49.21	7,382	0.105	1,575	0	0	0	8,957
24 Gauge 4 Pair Category V Voice Cable	15,000	Lin Ft	0.01	150.0	49.21	7,382	0.085	1,275	0	0	0	8,657
4" Square x 2-1/8" Deep Box w/Bracket 1/2" & 3/4" Knockouts	60	Each	0.3	18.0	49.21	886	1.7068	102	0	0	0	988
4" Square Single Gang Plaster Ring 5/8" Deep	60	Each	0.15	9.0	49.21	443	1.58	95	0	0	0	538
Voice - Data Plate	60	Each	0.1	6.0	49.21	295	6.5	390	0	0	0	685
Voice - Data Outlet in GWB			364.2	17,923	4,039	0	0	21,962				

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
Total Subcontract Amount				364.2		0		0		0		21,962	21,962
SUB-TOTAL				1,379.0		0		0		0		103,326	103,326
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	8,266	8,266
SUB-TOTAL				1,379.0		0		0		0		111,592	111,592
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	6,696	6,696
*** DATA AND VOICE SYSTEM ESTIMATED COST ***				1,379.0		0		0		0		118,288	118,288
INTERCOM AND PUBLIC ADDRESS SYSTEM													
Recessed Ceiling Speaker			QUANTITY:		144 Each								
16-2 Plenum Rated Audio Cable	7,200	Lin Ft	0.012	86.4	49.21	4,252	0.17	1,224	0	0	0	0	5,476
Intercom Ceiling Speaker	144	Each	1.2	172.8	49.21	8,503	30	4,320	0	0	0	0	12,823
Recessed Ceiling Speaker				259.2		12,755		5,544		0		0	18,299
Total Subcontract Amount				259.2		0		0		0		18,299	18,299
Wall Intercom Station in GWB			QUANTITY:		68 Each								
3/4" Electrical Metallic Tubing	1,700	Lin Ft	0.05	85.0	49.21	4,183	0.86	1,462	0	0	0	0	5,645
3/4" EMT Set Screw Steel Coupling	170	Each	0	0.0	0	0	1.1785	200	0	0	0	0	200
3/4" EMT Set Screw Steel Connector Non Insulated Throat	136	Each	0.1	13.6	49.21	669	0.3482	47	0	0	0	0	716
3/4" Plastic Bushing	68	Each	0.12	8.2	49.21	404	0.1556	11	0	0	0	0	415
3/4" EMT Cable Tray Conduit Clamp	68	Each	0.3	20.4	49.21	1,004	8.81	599	0	0	0	0	1,603
3/4" Metal Stud Conduit Clip	136	Each	0.01	1.4	49.21	69	0.72	98	0	0	0	0	167
3/4" T-Bar Wire Conduit Clip	136	Each	0.01	1.4	49.21	69	0.21	29	0	0	0	0	98
1/8" Flange Clip for Wire & S Hooks	136	Each	0.01	1.4	49.21	69	0.28	38	0	0	0	0	107
#12 x 12' Ceiling Wire	68	Each	0.04	2.7	49.21	133	2.46	167	0	0	0	0	300
16-4 Plenum Rated Audio Cable	13,600	Lin Ft	0.014	190.4	49.21	9,370	0.17	2,312	0	0	0	0	11,682
Intercom Station	68	Each	0.5	34.0	49.21	1,673	46	3,128	0	0	0	0	4,801
4" Square x 2-1/8" Deep Box w/Bracket 1/2" & 3/4" Knockouts	68	Each	0.3	20.4	49.21	1,004	1.7068	116	0	0	0	0	1,120
4" Square Single Gang Plaster Ring 5/8" Deep	68	Each	0.15	10.2	49.21	502	1.58	107	0	0	0	0	609
Wall Intercom Station in GWB				389.1		19,149		8,314		0		0	27,463



DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
Service Dock Intercom System	1	Each	QUANTITY: 16	16.0	1 Each 49.21	787	1,500	1,500	0	0	0	0	2,287
Dock Intercom System													
Service Dock Intercom System				16.0		787		1,500		0		0	2,287
Total Subcontract Amount				16.0		0		0		0		2,287	2,287
SUB-TOTAL				711.1		0		0				87,716	87,716
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	7,017	7,017
SUB-TOTAL				711.1		0		0				94,733	94,733
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	5,684	5,684
*** INTERCOM AND PUBLIC ADDRESS SYSTEM ESTIMATED COST ***				711.1		0		0				100,417	100,417
MULTI PURPOSE - GYMNASIUM SOUND SYSTEM													
Gymnasium Sound System Head End Equip	2	Each	QUANTITY: 8	16.0	2 Each 49.21	787	5,600	11,200	0	0	0	0	11,987
Gym Sound System Head End													
Gymnasium Sound System Head End Equip				16.0		787		11,200		0		0	11,987
Total Subcontract Amount				16.0		0		0		0		11,987	11,987
Surface Gymnasium Sound System Speaker	600	Lin Ft	QUANTITY: 0.012	7.2	8 Each 49.21	354	0.17	102	0	0	0	0	456
16-2 Plenum Rated Audio Cable													
Gym Speaker Cluster	8	Each	4.8	38.4	49.21	1,890	1,500	12,000	0	0	0	0	13,890
Surface Gymnasium Sound System Speaker				45.6		2,244		12,102		0		0	14,346
Total Subcontract Amount				45.6		0		0		0		14,346	14,346
SUB-TOTAL				61.6		0		0				26,333	26,333
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	2,107	2,107
SUB-TOTAL				61.6		0		0				28,440	28,440
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	1,706	1,706
*** MULTI PURPOSE - GYMNASIUM SOUND SYSTEM ESTIMATED COST ***				61.6		0		0				30,146	30,146

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN HOURS UNIT	LABOR DOLLARS TOTAL	MATERIAL DOLLARS UNIT	EQUIPMENT DOLLARS TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL DOLLARS					
CATV SYSTEM													
CATV Outlet in GWB			QUANTITY:	107 Each									
3/4" Electrical Metallic Tubing	1,070	Lin Ft	0.05	53.5	49.21	2,633	0.86	920	0	0	0	0	3,553
3/4" EMT Set Screw Steel Connector Non Insulated Throat	214	Each	0.1	21.4	49.21	1,053	0.3482	75	0	0	0	0	1,128
3/4" Plastic Bushing	107	Each	0.12	12.8	49.21	630	0.1556	17	0	0	0	0	647
3/4" Metal Stud Conduit Clip	214	Each	0.01	2.1	49.21	103	0.72	154	0	0	0	0	257
18 Gauge Coaxial Cable - Plenum Rated	26,750	Lin Ft	0.01	267.5	49.21	13,164	1.15	30,763	0	0	0	0	43,927
4" Square x 2-1/8" Deep Box w/Bracket 1/2" & 3/4" Knockouts	107	Each	0.3	32.1	49.21	1,580	1.7068	183	0	0	0	0	1,763
4" Square Single Gang Plaster Ring 5/8" Deep	107	Each	0.15	16.1	49.21	792	1.58	169	0	0	0	0	961
CATV Wall Plate	107	Each	0.1	10.7	49.21	527	4.7	503	0	0	0	0	1,030
CATV Outlet in GWB				416.2		20,482		32,784	0		0		53,266
Total Subcontract Amount				416.2		0		0	0		53,266		53,266
CATV System Head End Equipment													
CATV Head End Equipment	1	Each	QUANTITY:	8	1 Each	49.21	394	3,000	3,000	0	0	0	3,394
CATV System Head End Equipment				8.0		394		3,000	0		0		3,394
Total Subcontract Amount				8.0		0		0	0		3,394		3,394
SUB-TOTAL				424.2		0		0	0		56,660		56,660
Subcontractor Overheads	1	L Sum	0	0.0	8.00 %	0	8.00 %	0	8.00 %	0	8.00 %	4,533	4,533
SUB-TOTAL				424.2		0		0	0		61,193		61,193
Subcontractor Profit	1	L Sum	0	0.0	6.00 %	0	6.00 %	0	6.00 %	0	6.00 %	3,672	3,672
*** CATV SYSTEM ESTIMATED COST ***				424.2		0		0	0		64,865		64,865

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - NEW CONSTRUCTION

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 179

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
PRIME CONTRACTOR OVERHEADS													
SUB-TOTAL				0.0		674,025		1,204,738		70,153		9,883,815	11,832,731
Prime Contractor Overhead	1	L Sum	0	0.0	4.00 %	26,961	4.00 %	48,190	4.00 %	2,806	4.00 %	395,353	473,310
*** PRIME CONTRACTOR OVERHEADS ESTIMATED COST ***				0.0		26,961		48,190		2,806		395,353	473,310
PRIME CONTRACTOR PROFIT													
SUB-TOTAL				0.0		700,986		1,252,928		72,959		10,279,168	12,306,041
Prime Contractor Profit	1	L Sum	0	0.0	4.00 %	28,039	5.00 %	62,646	5.00 %	3,648	5.00 %	513,958	608,291
*** PRIME CONTRACTOR PROFIT ESTIMATED COST ***				0.0		28,039		62,646		3,648		513,958	608,291

EST NUMBER: WEBFEAS02  
 RUN DATE.: 08/05/09 08:52am  
 DATA DATE.: SEPT 2009

SAMPLE ESTIMATE LESS THAN 100% DESIGNED  
 ANYTOWN, ANYWHERE  
 ESTIMATE DETAIL - CONTINGENCY

PREPARED FOR: ALL OF OUR CLIENTS  
 PREPARED BY.: TEMPEST COMPANY  
 PAGE: 180

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
CONTINGENCY													
SUB-TOTAL				0.0		729,025		1,315,574		76,607		10,793,126	12,914,332
Contingency	1	L Sum	0	0.0	10.00 %	72,903	10.00 %	131,557	10.00 %	7,661	10.00 %	1,079,313	1,291,434
*** CONTINGENCY ESTIMATED COST ***				0.0		72,903		131,557		7,661		1,079,313	1,291,434
ESCALATION													
SUB-TOTAL				0.0		801,928		1,447,131		84,268		11,872,439	14,205,766
Escalation 3rd Quarter 2009 to 1st Quarter 2011	1	L Sum	0	0.0	7.00 %	56,135	7.00 %	101,299	7.00 %	5,899	7.00 %	831,071	994,404
*** ESCALATION ESTIMATED COST ***				0.0		56,135		101,299		5,899		831,071	994,404