

Version : 09/09/11

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IMIP  
Mechanical Insulation's Key Estimator  
RECAP BY AREA/SUB AREA/SYSTEM/SIZE

ESTIMATE : 001217 Flexfilms  
Louisville/MLM

PROD SET : MAS MASTER

BID DATE: 08/29/11

Area : 1 - AREA 1													
Sub Area: 1 -													
Pipe													
Shape Size	Quantity	Material	Hours	Days	Prod	Labor	Material Adds	Labor Adds	Lump Sum Adds	Total Material	Total Labor	BID PRICE	Unit Price
CHW	Chilled Water												
0.75	30.00	180.79	13.86	1.8	17	1,005.72	10.84	203.18		191.63	1,208.90	1,400.53	46.68
1.00	920.00	4,576.85	108.37	13.6	68	7,863.60	274.61	1,422.23		4,851.46	9,285.83	14,137.29	15.37
1.25	700.00	3,324.00	67.51	8.5	82	4,898.69	199.44	914.29		3,523.44	5,812.98	9,336.42	13.34
1.50	1523.00	8,063.68	137.02	17.2	89	9,942.51	483.82	1,828.58		8,547.50	11,771.09	20,318.59	13.34
2.00	1432.00	9,493.82	195.80	24.5	58	14,207.74	569.63	2,539.69		10,063.45	16,747.43	26,810.88	18.72
2.50	180.00	1,279.32	23.79	3.0	60	1,726.26	76.76	304.76		1,356.08	2,031.02	3,387.10	18.82
3.00	290.00	3,702.76	123.25	15.5	19	8,943.33	222.17	1,625.40		3,924.93	10,568.73	14,493.66	49.98
4.00	524.00	4,944.33	94.12	11.8	44	6,829.58	296.67	1,219.05		5,241.00	8,048.63	13,289.63	25.36
6.00	1970.00	22,441.53	292.02	36.6	54	21,189.70	1,346.49	3,758.74		23,788.02	24,948.44	48,736.46	24.74
8.00	640.00	7,860.82	65.84	8.3	77	4,777.52	471.65	914.29		8,332.47	5,691.81	14,024.28	21.91
10.00	870.00	14,026.18	141.11	17.7	49	10,239.29	841.57	1,828.58		14,867.75	12,067.87	26,935.62	30.96
Total System CHW	9,079.00	79,894.08	1262.69	158.5	57	91,623.94	4,793.65	16,558.79		84,687.73	108,182.73	192,870.46	21.24
CND	Condensate Drains												
1.00	514.00	1,129.70	28.41	3.6	143	2,061.50	67.78	406.35		1,197.48	2,467.85	3,665.33	7.13
1.50	519.00	1,410.05	27.02	3.4	153	1,960.64	84.61	406.35		1,494.66	2,366.99	3,861.65	7.44
2.00	1073.00	3,380.59	44.62	5.6	192	3,237.74	202.83	609.53		3,583.42	3,847.27	7,430.69	6.93
Total System CND	2,106.00	5,920.34	100.05	12.6	167	7,259.88	355.22	1,422.23		6,275.56	8,682.11	14,957.67	7.10
CTO	Cooling Tower Outdoor												
0.75	10.00	98.02	2.08	0.3	33	150.93	5.88	101.59		103.90	252.52	356.42	35.64
10.00	81.00	2,326.12	27.91	3.5	23	2,025.22	139.57	406.35		2,465.69	2,431.57	4,897.26	60.46
Total System CTO	91.00	2,424.14	29.99	3.8	24	2,176.15	145.45	507.94		2,569.59	2,684.09	5,253.68	57.73
CWT	Chilled Water Trim												
0.50		136.02	34.29	4.3		2,488.17	8.16	507.94		144.18	2,996.11	3,140.29	
0.75		36.59	8.10	1.1		587.76	2.20	203.18		38.79	790.94	829.73	
1.00		12.53	1.73	0.3		125.53	0.76	101.59		13.29	227.12	240.41	
Total System CWT		185.14	44.12	5.7		3,201.46	11.12	812.71		196.26	4,014.17	4,210.43	
DOM	Domestic Water												
0.50	1435.00	1,208.02	66.41	8.4	171	4,818.88	72.48	914.29		1,280.50	5,733.17	7,013.67	4.89
0.75	1470.00	1,813.48	69.79	8.8	167	5,064.14	108.81	914.29		1,922.29	5,978.43	7,900.72	5.37
1.00	236.00	337.05	13.77	1.8	131	999.19	20.22	203.18		357.27	1,202.37	1,559.64	6.61

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RECAP BY AREA/SUB AREA/SYSTEM/SIZE

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ESTIMATE : 001217 Flexfilms

PROD SET : MAS MASTER

BID DATE: 08/29/11

Louisville/MLM

Area : 1 - AREA 1

Sub Area: 1 -

Pipe													
Shape Size	Quantity	Material	Hours	Days	Prod	Labor	Material Adds	Labor Adds	Lump Sum Adds	Total Material	Total Labor	BID PRICE	Unit Price
1.25	110.00	161.74	4.69	0.6	183	340.32	9.71	101.59		171.45	441.91	613.36	5.58
1.50	540.00	995.05	27.11	3.4	159	1,967.17	59.70	406.35		1,054.75	2,373.52	3,428.27	6.35
2.00	34.00	87.07	1.40	0.2	170	101.59	5.23	101.59		92.30	203.18	295.48	8.69
3.00	1640.00	5,935.00	65.40	8.2	200	4,745.59	356.10	914.29		6,291.10	5,659.88	11,950.98	7.29
Total System DOM	5,465.00	10,537.41	248.57	31.4	174	18,036.88	632.25	3,555.58		11,169.66	21,592.46	32,762.12	5.99
OIL	Hot Oil Piping												
0.50	20.00	198.59	4.67	0.6	33	338.87	11.92	101.59		210.51	440.46	650.97	32.55
0.75	240.00	1,594.01	35.87	4.5	53	2,602.82	95.64	507.94		1,689.65	3,110.76	4,800.41	20.00
1.00	30.00	377.56	23.70	3.0	10	1,719.73	22.66	304.76		400.22	2,024.49	2,424.71	80.82
1.25	540.00	3,167.73	45.43	5.7	95	3,296.51	190.06	609.53		3,357.79	3,906.04	7,263.83	13.45
1.50	370.00	2,141.64	28.70	3.6	103	2,082.54	128.50	406.35		2,270.14	2,488.89	4,759.03	12.86
2.00	1100.00	7,324.04	97.78	12.3	89	7,095.16	439.44	1,320.64		7,763.48	8,415.80	16,179.28	14.71
2.50	830.00	5,411.78	65.47	8.2	101	4,750.67	324.70	914.29		5,736.48	5,664.96	11,401.44	13.74
3.00	180.00	1,327.10	19.12	2.4	75	1,387.40	79.63	304.76		1,406.73	1,692.16	3,098.89	17.22
4.00	60.00	612.40	12.91	1.7	35	936.78	36.74	203.18		649.14	1,139.96	1,789.10	29.82
6.00	460.00	4,694.41	59.75	7.5	61	4,335.61	281.66	812.70		4,976.07	5,148.31	10,124.38	22.01
8.00	240.00	3,167.42	34.38	4.3	56	2,494.70	190.04	507.94		3,357.46	3,002.64	6,360.10	26.50
Total System OIL	4,070.00	30,016.68	427.78	53.8	76	31,040.79	1,800.99	5,993.68		31,817.67	37,034.47	68,852.14	16.92
Total Pipe	20,811.00	128,977.79	2113.20	265.8	78	153,339.10	7,738.68	28,850.93		136,716.47	182,190.03	318,906.50	15.32
Duct													
Shape Size	Quantity	Material	Hours	Days	Prod	Labor	Material Adds	Labor Adds	Lump Sum Adds	Total Material	Total Labor	BID PRICE	Unit Price
SUP	Supply Air Concealed												
NRND 10.00	1957.22	1,654.90	45.38	5.7	343	3,292.89	99.29	609.53		1,754.19	3,902.42	5,656.61	2.89
REC 18.00	65.00	54.38	1.86	0.3	217	134.97	3.26	101.59		57.64	236.56	294.20	4.53
REC 20.00	662.67	553.46	16.57	2.1	316	1,202.36	33.20	304.76		586.66	1,507.12	2,093.78	3.16
REC 22.00	130.00	108.40	2.97	0.4	325	215.51	6.50	101.59		114.90	317.10	432.00	3.32
REC 24.00	352.00	293.15	7.51	1.0	352	544.94	17.58	101.59		310.73	646.53	957.26	2.72
REC 26.00	413.67	344.07	8.60	1.1	376	624.04	20.65	203.18		364.72	827.22	1,191.94	2.88
REC 28.00	120.00	99.70	2.46	0.4	300	178.50	5.98	101.59		105.68	280.09	385.77	3.21
REC 30.00	139.33	115.66	2.79	0.4	348	202.45	6.94	101.59		122.60	304.04	426.64	3.06
REC 32.00	180.00	149.28	3.60	0.5	360	261.23	8.95	101.59		158.23	362.82	521.05	2.89
REC 34.00	364.00	301.63	7.19	0.9	404	521.72	18.09	101.59		319.72	623.31	943.03	2.59

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RECAP BY AREA/SUB AREA/SYSTEM/SIZE

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ESTIMATE : 001217 Flexfilms

PROD SET : MAS MASTER

BID DATE: 08/29/11

Louisville/MLM

Area : 1 - AREA 1

Sub Area: 1 -

Duct													
Shape Size	Quantity	Material	Hours	Days	Prod	Labor	Material Adds	Labor Adds	Lump Sum Adds	Total Material	Total Labor	BID PRICE	Unit Price
REC 40.00	152.00	125.71	2.97	0.4	380	215.51	7.54	101.59		133.25	317.10	450.35	2.96
Total System SUP	4,535.89	3,800.34	101.90	13.2	344	7,394.12	227.98	1,930.19		4,028.32	9,324.31	13,352.63	2.94
Total Duct	4,535.89	3,800.34	101.90	13.2	344	7,394.12	227.98	1,930.19		4,028.32	9,324.31	13,352.63	2.94
Assigned Equipment													
Shape Size	Quantity	Material	Hours	Days	Prod	Labor	Material Adds	Labor Adds	Lump Sum Adds	Total Material	Total Labor	BID PRICE	Unit Price
CHL 54 CHILLER 54" x 15'													
EXP 18 18"X3'EXPANSION TNK	90.00	161.41	24.00	3.0	30	1,741.50	9.68	304.76		171.09	2,046.26	2,217.35	24.64
PMP 6 6" PUMP	69.72	365.11	49.80	6.3	11	3,613.61	21.91	711.11		387.02	4,324.72	4,711.74	67.58
Total Assigned Equipment	159.72	526.52	73.80	9.3	17	5,355.11	31.59	1,015.87		558.11	6,370.98	6,929.09	43.38
Total Area/Sub Area		133,304.65	2288.90	288.3		166,088.33	7,998.25	31,796.99		141,302.90	197,885.32	339,188.22	

Area : 3 - Lined Duct

Sub Area: 1 -

Duct													
Shape Size	Quantity	Material	Hours	Days	Prod	Labor	Material Adds	Labor Adds	Lump Sum Adds	Total Material	Total Labor	BID PRICE	Unit Price
SUP Supply Air Concealed													
REC 20.00	28.00	23.38	0.70	0.1	280	50.79	1.41	101.59		24.79	152.38	177.17	6.33
REC 24.00	373.33	310.91	7.96	1.0	373	577.60	18.66	101.59		329.57	679.19	1,008.76	2.70
REC 26.00	226.67	188.54	4.71	0.6	378	341.77	11.32	101.59		199.86	443.36	643.22	2.84
REC 28.00	264.00	219.33	5.42	0.7	377	393.29	13.16	101.59		232.49	494.88	727.37	2.76
REC 30.00	152.00	126.18	3.04	0.4	380	220.59	7.57	101.59		133.75	322.18	455.93	3.00
REC 32.00	293.33	243.28	5.87	0.8	367	425.94	14.59	101.59		257.87	527.53	785.40	2.68
REC 34.00	588.00	487.26	11.61	1.5	392	842.45	29.23	203.18		516.49	1,045.63	1,562.12	2.66
REC 36.00	381.33	315.81	7.44	1.0	381	539.87	18.94	101.59		334.75	641.46	976.21	2.56
REC 38.00	214.67	177.66	4.19	0.6	358	304.04	10.65	101.59		188.31	405.63	593.94	2.77
REC 40.00	368.00	304.34	7.18	0.9	409	521.00	18.26	101.59		322.60	622.59	945.19	2.57
REC 42.00	366.67	303.12	7.07	0.9	407	513.02	18.19	101.59		321.31	614.61	935.92	2.55

ESTIMATE :  
  
Louisville/MLM

001217 Flexfilms

PROD SET :

MAS MASTER

BID DATE:

08/29/11

Area : 3 - Lined Duct

Sub Area: 1 -

Duct														
Shape	Size	Quantity	Material	Hours	Days	Prod	Labor	Material Adds	Labor Adds	Lump Sum Adds	Total Material	Total Labor	BID PRICE	Unit Price
REC	44.00	173.33	143.20	3.30	0.5	347	239.46	8.60	101.59		151.80	341.05	492.85	2.84
REC	46.00	1134.00	936.45	21.35	2.7	420	1,549.21	56.19	304.76		992.64	1,853.97	2,846.61	2.51
REC	56.00	469.33	386.85	8.63	1.1	427	626.21	23.21	203.18		410.06	829.39	1,239.45	2.64
REC	58.00	528.00	435.05	9.71	1.3	406	704.58	26.10	203.18		461.15	907.76	1,368.91	2.59
REC	60.00	4578.67	3,771.91	84.21	10.6	432	6,110.49	226.32	1,117.46		3,998.23	7,227.95	11,226.18	2.45
REC	76.00	2240.00	1,841.77	41.20	5.2	431	2,989.58	110.50	609.53		1,952.27	3,599.11	5,551.38	2.48
REC	78.00	630.67	518.48	11.60	1.5	420	841.73	31.11	203.18		549.59	1,044.91	1,594.50	2.53
REC	96.00	2496.00	2,049.28	45.90	5.8	430	3,330.62	122.96	609.53		2,172.24	3,940.15	6,112.39	2.45
REC	102.00	1320.00	1,083.37	24.28	3.1	426	1,761.82	65.00	406.35		1,148.37	2,168.17	3,316.54	2.51
Total System SUP		16,826.00	13,866.17	315.37	40.3	418	22,884.06	831.97	4,977.84		14,698.14	27,861.90	42,560.04	2.53
Total Duct		16,826.00	13,866.17	315.37	40.3	418	22,884.06	831.97	4,977.84		14,698.14	27,861.90	42,560.04	2.53
Total Area/Sub Area			13,866.17	315.37	40.3		22,884.06	831.97	4,977.84		14,698.14	27,861.90	42,560.04	

Area : 999 - AREA Unassigned Cost

Sub Area: 999 - SUB Unassigned Cost

Unassigned														
Shape	Size	Quantity	Material	Hours	Days	Prod	Labor	Material Adds	Labor Adds	Lump Sum Adds	Total Material	Total Labor	BID PRICE	Unit Price
UNASSIGNED COST														
~~~~														
Total Unassigned														
Total Area/Sub Area														
Total Estimate			147,170.82	2604.27	329		188,972.39	8,830.22	36,774.83		156,001.04	225,747.22	381,748.26	