
Operator: BLAKE

Type of Estimate:

Date Entered: 7/28/2025

Date Assigned:

Price List: OKLA8X_JUL25

Labor Efficiency: Restoration/Service/Remodel

Estimate: CITYOFMANGUM1

CITYOFMANGUMI

General Items

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
1. Temporary fencing - 1-4 months (per month) will move fencing from site to site	400.00 LF	0.00	1.85	0.00	148.00	888.00
2. Telehandler/forklift and operator Various sized telehandlers required based on the size and access of the building in addition to the condition of the asphalt and cement. Telehandler use listed per area based on what is needed for that roof. Combination of steel plates and Lumber needed to protect curbs, utility lines, and asphalt/cement	HR	0.00	122.45	0.00	0.00	0.00
3. Taxes, insurance, permits & fees (Bid Item)	EA	0.00	0.00	0.00	0.00	0.00
4. Bonding	EA	0.00	0.00	0.00	0.00	0.00
5. Temporary toilet (per month) Will move portable restrooms from site to site	MO	0.00	160.81	0.00	0.00	0.00
Totals: General Items				0.00	148.00	888.00

Lagoon Treatment Building

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
6. R&R Roof vent - turbine type	1.00 EA	9.81	153.18	0.00	32.60	195.59
Totals: Lagoon Treatment Building				0.00	32.60	195.59

Welcome Center

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
7. Reglaze window, 10 - 16 sf	3.00 EA	0.00	141.03	0.00	84.62	507.71
Totals: Welcome Center				0.00	84.62	507.71

Electrical Plant Shop

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
8. R&R Metal roofing	3,913.00 SF	0.55	6.87	0.00	5,806.90	34,841.36
9. R&R 24 ga custom ridge cap Custom bent metal	60.00 LF	2.73	26.95	0.00	356.16	2,136.96

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
10. R&R Cap flashing - large	87.75 LF	0.63	28.47	0.00	510.70	3,064.22
24 ga 12"+ Custom rake metal						
11. R&R Gutter / downspout - aluminum - 7" to 8"	400.00 LF	0.55	20.31	0.00	1,668.80	10,012.80
12. R&R Furnace vent - rain cap and storm collar, 6"	3.00 EA	11.70	92.26	0.00	62.38	374.26
13. R&R Neoprene pipe jack flashing for metal roofing	1.00 EA	8.64	64.48	0.00	14.62	87.74
14. R&R Awning - Window/door - Aluminum or steel	32.00 LF	0.98	97.30	0.00	629.00	3,773.96
15. R&R Mercury vapor security light	1.00 EA	15.20	157.57	0.00	34.56	207.33
16. R&R Ridge end cap for metal roofing	2.00 EA	5.86	26.26	0.00	12.84	77.08
17. R&R Gravity roof ventilator - 18"	3.00 EA	9.81	338.11	0.00	208.74	1,252.50
18. Butyl tape / sealing metal roofing panels for low slopes	1,304.33 LF	0.00	0.69	0.00	180.00	1,079.99
Roof slope under 2/12 Calculation sq ft / 3 LF or length of panel						
19. Remove Vinyl-faced/laminated insulation - 2"	1,956.00 SF	0.26	0.00	0.00	101.72	610.28
Removal only. one section of building see photos						
20. R&R Aluminum sidewall/endwall flashing - color finish	31.00 LF	0.63	8.38	0.00	55.86	335.17
Existing detail metal see photos						
21. Vinyl-faced/laminated insulation - 6"	3,913.00 SF	0.00	1.68	0.00	1,314.76	7,888.60
Install only per code						
22. Dumpster load - Approx. 30 yards, 5-7 tons of debris	4.00 EA	740.37	0.00	0.00	592.30	3,553.78
23. Telehandler/forklift and operator	39.00 HR	0.00	122.45	0.00	955.12	5,730.67
1hr per square of metal roofing loading sheet metal panels, insulation, and accessories. Disposal of trash						
24. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
25. Eave trim for metal roofing - 26 gauge	279.00 LF	0.00	5.54	0.00	309.14	1,854.80
26. Floor protection - cloth - skid resistant, leak proof	3,913.00 SF	0.94	0.00	0.00	735.64	4,413.86
Protecting interior floor during roof tear off open frame building						
27. Content Manipulation charge - per hour	10.00 HR	0.00	41.15	0.00	82.30	493.80
Move contents in out during roof replacement						
Totals: Main Level				0.00	13,663.70	81,982.13
Total: Electrical Plant Shop				0.00	13,663.70	81,982.13

City Hall Annex & Garage

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
28. R&R Built-up 5 ply roofing - in place	112.80 SQ	96.16	498.34	0.00	13,411.94	80,471.54
29. R&R Insulation - perlite board, 1"	112.80 SQ	58.20	199.36	0.00	5,810.56	34,863.33
30. R&R Flash parapet wall only - bitumen - up to 3'	587.00 LF	2.17	13.47	0.00	1,836.14	11,016.82
31. R&R Roof vent - turbine type	3.00 EA	9.81	153.18	0.00	97.78	586.75
32. Central air - condenser unit - Detach & reset	1.00 EA	0.00	626.12	0.00	125.22	751.34
33. R&R Flashing - pipe jack	3.00 EA	7.68	50.21	0.00	34.72	208.39
34. Tear off, haul and dispose of modified bitumen roofing	225.60 SQ	54.13	0.00	0.00	2,442.34	14,654.07
Calculation is 112*2 Reflecting two layers modified bitumen roofing removal only						
35. R&R Chimney flashing - large (32" x 60")	1.00 EA	27.30	560.32	0.00	117.52	705.14
36. R&R Gutter / downspout - aluminum - 7" to 8"	30.00 LF	0.55	20.31	0.00	125.16	750.96
2 DS @ 15 LF						
37. Conductor head - aluminum	2.00 EA	0.00	330.48	0.00	132.20	793.16
38. R&R Roof scupper - aluminum	2.00 EA	13.65	274.21	0.00	115.14	690.86
39. Cap flashing	587.00 LF	0.00	20.82	0.00	2,444.26	14,665.60
install new cap metal on parapet walls						
40. Insulation - ISO board, 1 1/2"	112.80 SQ	0.00	224.55	0.00	5,065.84	30,395.08
install per code						
41. Insulation - ISO board, 1"	112.80 SQ	0.00	196.94	0.00	4,442.96	26,657.79
install per code						
42. R&R 2" x 6" lumber (1 BF per LF)	56.00 LF	0.66	2.52	0.00	35.62	213.70
Nailer for new insulation height and added larger edge metal to cover						
43. Dumpster load - Approx. 30 yards, 5-7 tons of debris	11.00 EA	740.37	0.00	0.00	1,628.82	9,772.89
44. Telehandler/forklift and operator	112.00 HR	0.00	122.45	0.00	2,742.88	16,457.28
45. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
Totals: Main Level				0.00	40,641.26	243,847.67

Exterior

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
46. Reglaze window, 1 - 9 sf	45.00 EA	0.00	79.33	0.00	713.98	4,283.83

CONTINUED - Exterior

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
Totals: Exterior				0.00	713.98	4,283.83
Total: City Hall Annex & Garage				0.00	41,355.24	248,131.50

David Caley Memorial Annex

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
47. Remove Laminated - comp. shingle rfg. - w/ felt	103.42 SQ	58.61	0.00	0.00	1,212.30	7,273.75
48. Laminated - comp. shingle rfg. - w/ felt	114.00 SQ	0.00	284.15	0.00	6,478.62	38,871.72
49. R&R Hip / Ridge cap - Standard profile - composition shingles	260.00 LF	2.69	5.63	0.00	432.64	2,595.84
50. R&R Drip edge	558.00 LF	0.37	2.74	0.00	347.08	2,082.46
51. Asphalt starter - universal starter course	558.00 LF	0.00	1.71	0.00	190.84	1,145.02
52. R&R Flashing - pipe jack	10.00 EA	7.68	50.21	0.00	115.78	694.68
53. R&R Rain cap - 6"	2.00 EA	5.46	56.94	0.00	24.96	149.76
54. R&R Rain cap - 8"	10.00 EA	5.46	63.74	0.00	138.40	830.40
55. Prime & paint roof vent	12.00 EA	0.00	32.72	0.00	78.52	471.16
56. R&R Gravity roof ventilator - 18"	3.00 EA	9.81	338.11	0.00	208.74	1,252.50
57. Roofing felt - synthetic underlayment	103.42 SQ	0.00	43.37	0.00	897.06	5,382.39
58. Add. layer of felt/underlayment, remove & disp.	103.42 SQ	7.69	0.00	0.00	159.06	954.36
59. Ice & water barrier	306.00 SF	0.00	1.64	0.00	100.36	602.20
Calculation valley length *3						
60. R&R Gutter / downspout - aluminum - up to 5"	126.00 LF	0.55	9.35	0.00	249.48	1,496.88
Calc reflects existing gutters & downspout						
61. Dumpster load - Approx. 30 yards, 5-7 tons of debris	5.00 EA	740.37	0.00	0.00	740.38	4,442.23
62. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
63. Telehandler/forklift and operator	50.00 HR	0.00	122.45	0.00	1,224.50	7,347.00
Totals: Main Level				0.00	12,630.88	75,785.32

Exterior

CONTINUED - Exterior

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
64. Reglaze double-pane thermal window unit, 25 - 30 sf	1.00 EA	0.00	455.82	0.00	91.16	546.98
65. Add on for tinted glass	25.00 SF	0.00	2.25	0.00	11.26	67.51
66. Soffit & Fascia - Labor Minimum	1.00 EA	0.00	383.18	0.00	76.64	459.82
Totals: Exterior				0.00	179.06	1,074.31

Office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
67. Drywall Repair - Minimum Charge - Labor and Material	1.00 EA	0.00	348.29	0.00	69.66	417.95
68. Paint the surface area - one coat	168.75 SF	0.00	0.62	0.00	20.92	125.55
69. Mask and prep for paint - paper and tape (per LF)	52.50 LF	0.00	0.73	0.00	7.66	45.99
70. Floor protection - plastic and tape - 10 mil	168.75 SF	0.00	0.29	0.00	9.78	58.72
Totals: Office				0.00	108.02	648.21
Total: David Caley Memorial Annex				0.00	12,917.96	77,507.84

Community Center

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
71. R&R Metal roofing - ribbed - 24 gauge - 1 1/8" to 1 1/2"	2,956.00 SF	0.55	7.61	0.00	4,824.20	28,945.16
Existing metal is 24 Ga see photos						
72. R&R Neoprene pipe jack flashing for metal roofing	1.00 EA	8.64	64.48	0.00	14.62	87.74
73. R&R Furnace vent - rain cap and storm collar, 6"	2.00 EA	11.70	92.26	0.00	41.58	249.50
74. R&R Exhaust fan - Standard grade	2.00 EA	16.38	243.11	0.00	103.80	622.78
75. Eave trim for metal roofing - 26 gauge	51.00 LF	0.00	5.54	0.00	56.50	339.04
76. R&R Gutter / downspout - box - aluminum - 7" to 8"	71.00 LF	0.55	24.05	0.00	349.34	2,095.94
51LF Eave + 2 DS @ 10LF						
77. Butyl tape / sealing metal roofing panels for low slopes	1,034.33 LF	0.00	1.00	0.00	206.86	1,241.19
Existing butyl tape calculation is [roof SF/3 (panel width) + panel lap LF]						

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
78. R&R XL multi piece metal wall detail	144.00 LF	2.73	26.95	0.00	854.78	5,128.70
Both Parapet walls have a multi piece wall flashing with butyl tape ranging from 2'-8'						
79. R&R Cap flashing - large	49.00 LF	0.63	28.47	0.00	285.18	1,711.08
Metal flashing exceeds 12" at head wall see photos						
80. Remove Wet spray cellulose insulation - 4" - R13	2,956.00 SF	1.49	0.00	0.00	880.88	5,285.32
Removal of existing only						
81. Vinyl-faced/laminated insulation - 6"	2,984.00 SF	0.00	1.68	0.00	1,002.62	6,015.74
Easier install and more cost effective than tearing out drywall inside for spray insulation						
82. R&R Gravity roof ventilator - 18"	4.00 EA	9.81	338.11	0.00	278.32	1,670.00
83. Telehandler/forklift and operator	30.00 HR	0.00	122.45	0.00	734.70	4,408.20
1hr/sq of metal panels unloading, disposing, insulation removal and loading						
84. Dumpster load - Approx. 30 yards, 5-7 tons of debris	3.00 EA	740.37	0.00	0.00	444.22	2,665.33
85. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
Totals: Main Level				0.00	10,109.76	60,658.69
Total: Community Center				0.00	10,109.76	60,658.69

Meal Site

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
86. R&R Metal roofing - ribbed - 26 gauge - 1 1/8" to 1 1/2"	2,984.00 SF	0.55	6.96	0.00	4,481.96	26,891.80
Existing metal is 26 ga						
87. R&R Neoprene pipe jack flashing for metal roofing	1.00 EA	8.64	64.48	0.00	14.62	87.74
88. R&R Furnace vent - rain cap and storm collar, 6"	1.00 EA	11.70	92.26	0.00	20.80	124.76
89. R&R Gutter / downspout - aluminum - 7" to 8"	49.00 LF	0.55	20.31	0.00	204.44	1,226.58
90. R&R Gravity roof ventilator - 18"	2.00 EA	9.81	338.11	0.00	139.16	835.00
91. Eave trim for metal roofing - 26 gauge	51.00 LF	0.00	5.54	0.00	56.50	339.04
92. Butyl tape / sealing metal roofing panels for low slopes	1,026.33 LF	0.00	1.00	0.00	205.26	1,231.59
93. R&R XL Multi piece wall flashing	124.00 LF	2.73	26.95	0.00	736.06	4,416.38

Both Parapet walls have a multi piece wall flashing with butyl tape ranging from 12"-4'

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
94. Remove Wet spray cellulose insulation - 4" - R13	2,926.00 SF	1.49	0.00	0.00	871.94	5,231.68
Removal of existing only						
95. R&R Vinyl-faced/laminated insulation - 6"	2,984.00 SF	0.32	1.68	0.00	1,193.60	7,161.60
Easier install and more cost effective than tearing out drywall inside for spray insulation						
96. R&R Cap flashing - large	51.00 LF	0.63	28.47	0.00	296.82	1,780.92
Metal flashing exceeds 12" at head wall see photos						
97. Telehandler/forklift and operator	29.00 HR	0.00	122.45	0.00	710.22	4,261.27
98. Dumpster load - Approx. 30 yards, 5-7 tons of debris	2.00 EA	740.37	0.00	0.00	296.14	1,776.88
99. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
Totals: Main Level				0.00	9,259.68	55,558.21

Roof 2

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
100. R&R Wall/roof panel - ribbed - 24 gauge - 1 1/8" to 1 1/2"	480.00 SF	0.55	5.92	0.00	621.12	3,726.72
101. R&R Steel rake/gable trim - color finish	20.25 LF	0.63	6.08	0.00	27.18	163.06
102. R&R Cap flashing - large	25.00 LF	0.63	28.47	0.00	145.52	873.02
Totals: Roof 2				0.00	793.82	4,762.80

Awning

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
103. R&R Wall/roof panel - ribbed - 24 gauge - 1 1/8" to 1 1/2"	209.00 SF	0.55	5.92	0.00	270.46	1,622.69
104. R&R Steel rake/gable trim - color finish	20.25 LF	0.63	6.08	0.00	27.18	163.06
105. R&R Eave trim for metal roofing - 29 gauge	27.00 LF	0.91	4.77	0.00	30.68	184.04
106. R&R Gutter / downspout - box - galvanized - 6"	37.00 LF	0.55	17.27	0.00	131.88	791.22
107. R&R Cap flashing - large	25.00 LF	0.63	28.47	0.00	145.52	873.02
Totals: Awning				0.00	605.72	3,634.03
Total: Meal Site				0.00	10,659.22	63,955.04

Greer County Museum

Roof

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
108. R&R Modified bitumen roof - hot mopped	48.62 SQ	54.13	438.62	0.00	4,791.50	28,749.00
109. R&R Insulation - perlite board, 1-1/2"	48.62 SQ	59.26	249.66	0.00	3,003.94	18,023.63
110. R&R Flash parapet wall only - bitumen - over 3' up to 6'	532.00 LF	3.64	23.92	0.00	2,932.38	17,594.30
111. R&R Roof scupper - aluminum	9.00 EA	13.65	274.21	0.00	518.16	3,108.90
112. R&R Flashing - pipe jack	10.00 EA	7.68	50.21	0.00	115.78	694.68
113. Remove Additional charge for high roof (2 stories or greater)	48.62 SQ	5.77	0.00	0.00	56.10	336.64
114. Additional charge for high roof (2 stories or greater)	48.62 SQ	0.00	19.39	0.00	188.54	1,131.28
115. Debris chute hopper - (per week) - 30" x 4' section	10.00 WK	35.00	0.00	0.00	70.00	420.00
116. Debris chute - (per week) - 30" x 4' section	10.00 WK	19.00	0.00	0.00	38.00	228.00
117. Debris chute mounting hardware - (per week)	10.00 WK	30.00	0.00	0.00	60.00	360.00
118. Cap flashing - large	532.00 LF	0.00	28.47	0.00	3,029.20	18,175.24
install only						
119. R&R Gutter / downspout - box - aluminum - 7" to 8"	200.00 LF	0.55	24.05	0.00	984.00	5,904.00
5 DS @ 40LF						
120. R&R Conductor head - aluminum	9.00 EA	20.48	310.00	0.00	594.86	3,569.18
3 on canopy roofs, 6 on main roof sections						
121. Insulation - ISO board, 1"	48.62 SQ	0.00	196.94	0.00	1,915.04	11,490.26
122. Insulation - ISO board, 1 1/2"	48.62 SQ	0.00	224.55	0.00	2,183.52	13,101.14
123. Silicone roof primer	4,862.00 SF	0.00	0.76	0.00	739.02	4,434.14
Roof deck is concrete with BUR residue . Primer needed to ensure proper bond for low rise foam adhesive without fasteners						
124. Low rise foam adhesive	4,862.00 SF	0.00	6.22	0.00	6,048.32	36,289.96
to adhere insulation and roofing system to concrete deck where fasteners are not possible						
125. R&R Metal roofing - ribbed - 26 gauge - 1 1/8" to 1 1/2"	333.00 SF	0.55	6.96	0.00	500.18	3,001.01
Ground level roof see photos						
126. R&R Hip / Ridge cap - metal roofing	21.00 LF	3.18	6.31	0.00	39.86	239.15
127. R&R Steel rake/gable trim - color finish	34.00 LF	0.63	6.08	0.00	45.62	273.76
128. Telehandler/forklift and operator	50.00 HR	0.00	122.45	0.00	1,224.50	7,347.00
minimum 10k telehandler needed 3 story access with parapet walls up to 8'						

CONTINUED - Roof

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
129. Dumpster load - Approx. 30 yards, 5-7 tons of debris	4.00 EA	740.37	0.00	0.00	592.30	3,553.78
130. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
131. Crane and operator - 14 ton capacity - 65' extension boom	115.00 HR	0.00	146.00	0.00	3,358.00	20,148.00
Bid needed due to access to roof. Telehandler cannot reach. Will be needed for removal and replacement.						
Totals: Roof				0.00	33,060.98	198,366.02

Exterior

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
132. R&R Wrap wood window frame & trim with aluminum sheet - Small	23.00 EA	31.15	171.94	0.00	934.22	5,605.29
133. R&R Window screen, 1 - 9 SF	23.00 EA	4.13	41.34	0.00	209.16	1,254.97
134. Reglaze double-pane thermal window unit, 1 - 9 sf	8.00 EA	0.00	146.84	0.00	234.94	1,409.66
135. Boom or spider lift - 50'-60' reach (per week)	1.00 WK	0.00	1,529.09	0.00	305.82	1,834.91
Totals: Exterior				0.00	1,684.14	10,104.83
Total: Greer County Museum				0.00	34,745.12	208,470.85

Library

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
136. Remove Laminated - comp. shingle rfg. - w/ felt	46.90 SQ	58.61	0.00	0.00	549.76	3,298.57
137. Laminated - comp. shingle rfg. - w/ felt	51.67 SQ	0.00	284.15	0.00	2,936.40	17,618.43
138. R&R Hip / Ridge cap - Standard profile - composition shingles	250.75 LF	2.69	5.63	0.00	417.24	2,503.48
139. R&R Drip edge	309.59 LF	0.37	2.74	0.00	192.58	1,155.41
140. Asphalt starter - universal starter course	309.59 LF	0.00	1.71	0.00	105.88	635.28
141. R&R Chimney flashing - large (32" x 60")	1.00 EA	27.30	560.32	0.00	117.52	705.14
142. R&R Rain cap - 6"	6.00 EA	5.46	56.94	0.00	74.88	449.28
143. R&R Flashing - pipe jack	1.00 EA	7.68	50.21	0.00	11.58	69.47

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
144. Remove Additional charge for steep roof - 7/12 to 9/12 slope	46.59 SQ	15.26	0.00	0.00	142.20	853.16
145. Additional charge for steep roof - 7/12 to 9/12 slope	46.59 SQ	0.00	43.90	0.00	409.06	2,454.36
146. Remove Additional charge for high roof (2 stories or greater)	46.59 SQ	5.77	0.00	0.00	53.76	322.58
147. Additional charge for high roof (2 stories or greater)	46.59 SQ	0.00	19.39	0.00	180.68	1,084.06
148. Add. layer of felt/underlayment, remove & disp.	46.90 SQ	7.69	0.00	0.00	72.14	432.80
149. Dumpster load - Approx. 30 yards, 5-7 tons of debris	1.00 BA	740.37	0.00	0.00	148.08	888.45
150. Telehandler/forklift and operator	15.00 HR	0.00	122.45	0.00	367.36	2,204.11
151. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
Totals: Main Level				0.00	5,811.28	34,867.55

Exterior

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
152. R&R Gutter / downspout - aluminum - 6"	324.00 LF	0.55	13.91	0.00	937.00	5,622.04
153. R&R Gutter guard/screen	155.50 LF	0.43	4.52	0.00	153.96	923.69
154. Reglaze window, 1 - 9 sf	11.00 EA	0.00	79.33	0.00	174.52	1,047.15
155. Window Glazing/Repair - per hour	5.00 HR	0.00	74.45	0.00	74.46	446.71
156. R&R Storm window - aluminum, 3-11 sf	2.00 EA	12.37	154.35	0.00	66.68	400.12
157. R&R Metal roofing	107.00 SF	0.55	6.87	0.00	158.80	952.74
Totals: Exterior				0.00	1,565.42	9,392.45
Total: Library				0.00	7,376.70	44,260.00

Bath House & City Pool

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
158. R&R Metal roofing - ribbed - 24 gauge - 1 1/8" to 1 1/2"	3,887.00 SF	0.55	7.61	0.00	6,343.60	38,061.52

Existing metal is 24 ga. Calculation includes other smaller structures associated to pool facilities

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
159. R&R Hip / Ridge cap - metal roofing	84.00 LF	3.18	6.31	0.00	159.42	956.58
160. R&R Valley metal - painted	26.17 LF	0.63	6.46	0.00	37.12	222.67
161. R&R Cap flashing	143.00 LF	0.63	20.82	0.00	613.48	3,680.83
Large rake metal						
162. Eave trim for metal roofing - 26 gauge	329.00 LF	0.00	5.54	0.00	364.54	2,187.20
163. R&R Closure strips for metal roofing - inside and/or outside	130.00 LF	0.91	1.97	0.00	74.88	449.28
Eaves+ ridge						
164. R&R Ridge end cap for metal roofing	3.00 EA	5.86	26.26	0.00	19.28	115.64
165. Vinyl-faced/laminated insulation - 6"	3,887.00 SF	0.00	1.68	0.00	1,306.04	7,836.20
Install only per code.						
166. Dumpster load - Approx. 30 yards, 5-7 tons of debris	3.00 EA	740.37	0.00	0.00	444.22	2,665.33
167. Telehandler/forklift and operator	38.00 HR	0.00	122.45	0.00	930.62	5,583.72
168. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
Totals: Main Level				0.00	10,325.36	61,951.94
Total: Bath House & City Pool				0.00	10,325.36	61,951.94

Park Equipment & Storage Building

Main level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
169. R&R Metal roofing - ribbed - 26 gauge - 1 1/8" to 1 1/2"	1,324.00 SF	0.55	6.96	0.00	1,988.64	11,931.88
170. R&R Hip / Ridge cap - metal roofing	40.00 LF	3.18	6.31	0.00	75.92	455.52
171. R&R Steel rake/gable trim - color finish	92.00 LF	0.63	6.08	0.00	123.48	740.80
172. R&R Eave trim for metal roofing - 26 gauge	93.00 LF	0.91	5.54	0.00	119.96	719.81
173. R&R Ridge end cap for metal roofing	2.00 EA	5.86	21.26	0.00	10.84	65.08
174. Vinyl-faced/laminated insulation - 6"	1,324.00 SF	0.00	1.68	0.00	444.86	2,669.18
Install only per code.						
175. Telehandler/forklift and operator	13.00 HR	0.00	122.45	0.00	318.38	1,910.23

CONTINUED - Main level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
176. Dumpster load - Approx. 30 yards, 5-7 tons of debris	1.00 EA	740.37	0.00	0.00	148.08	888.45
177. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
178. Additional cost for high wall or ceiling - 11' to 14' high	SF	0.16	0.44	0.00	0.00	0.00
179. Floor protection - cloth - skid resistant, leak proof	SF	0.94	0.00	0.00	0.00	0.00
Protecting interior floor during roof tear off open frame building						
180. Content Manipulation charge - per hour	1.00 HR	0.00	41.15	0.00	8.24	49.39
Move contents in out during roof replacement						
Totals: Main level				0.00	3,270.56	19,623.31
Total: Park Equipment & Storage Building				0.00	3,270.56	19,623.31

Water Department Garage

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
181. R&R Metal roofing - ribbed - 26 gauge - 1 1/8" to 1 1/2"	2,103.00 SF	0.55	6.96	0.00	3,158.72	18,952.25
182. R&R Hip / Ridge cap - metal roofing	50.00 LF	3.18	6.31	0.00	94.90	569.40
183. R&R Cap flashing	92.00 LF	0.63	20.82	0.00	394.68	2,368.08
Large rake metal 12"						
184. R&R Eave trim for metal roofing - 26 gauge	100.00 LF	0.91	5.54	0.00	129.00	774.00
185. R&R Neoprene pipe jack flashing for metal roofing	1.00 EA	8.64	64.48	0.00	14.62	87.74
186. R&R Rain cap - 6"	1.00 EA	5.46	56.94	0.00	12.48	74.88
187. Wall/roof panel - ribbed - 24 gauge - up to 1"	1.00 EA	0.00	6.40	0.00	1.28	7.68
188. R&R Reflective multi-layer foil insulation - R-4	1,324.00 SF	0.21	0.78	0.00	262.14	1,572.90
189. Vinyl-faced/laminated insulation - 6"	2,103.00 SF	0.00	1.68	0.00	706.60	4,239.64
190. Additional cost for high wall or ceiling - 11' to 14' high	2,103.00 SF	0.16	0.44	0.00	252.36	1,514.16
191. Telehandler/forklift and operator	21.00 HR	0.00	122.45	0.00	514.30	3,085.75
192. Dumpster load - Approx. 30 yards, 5-7 tons of debris	2.00 EA	740.37	0.00	0.00	296.14	1,776.88
193. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
194. Floor protection - cloth - skid resistant, leak proof	2,103.00 SF	0.94	0.00	0.00	395.36	2,372.18
Protecting interior floor during roof tear off open frame building						
195. Content Manipulation charge - per hour	5.00 HR	0.00	41.15	0.00	41.16	246.91
Move contents in out during roof replacement						
Totals: Main Level				0.00	6,305.90	37,835.42
Total: Water Department Garage				0.00	6,305.90	37,835.42

Street Barn & Garage

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
196. R&R Metal roofing - Premium grade	5,306.00 SF	0.55	11.34	0.00	12,617.66	75,706.00
197. R&R 24 Ga ridge metal	202.00 LF	2.73	26.95	0.00	1,199.08	7,194.44
Custom bent						
198. Remove Vinyl-faced/laminated insulation - 2"	53.06 SF	0.26	0.00	0.00	2.76	16.56
Removal of existing						
199. Butyl tape / sealing metal roofing panels for low slopes	2,653.00 LF	0.00	1.00	0.00	530.60	3,183.60
Low slope panels Calculation is SF/2LF (per panel)						
200. R&R Eave trim for metal roofing - 26 gauge	200.00 LF	0.91	5.54	0.00	258.00	1,548.00
201. R&R Exhaust cap - through roof - 6" to 8"	2.00 EA	9.81	101.64	0.00	44.58	267.48
202. R&R Roof vent - turbine type	7.00 EA	9.81	153.18	0.00	228.20	1,369.13
203. R&R Metal roofing - clear/skylight panel	192.00 SF	0.55	7.06	0.00	292.22	1,753.34
204. R&R Closure strips for metal roofing - inside and/or outside	99.00 LF	0.91	1.97	0.00	57.02	342.14
At ridge						
205. Vinyl-faced/laminated insulation - 6"	5,306.00 SF	0.00	1.68	0.00	1,782.82	10,696.90
Install only per code.						
206. Additional cost for high wall or ceiling - 11' to 14'	5,306.00 SF	0.00	0.05	0.00	53.06	318.36
207. Telehandler/forklift and operator	53.00 HR	0.00	122.45	0.00	1,297.98	7,787.83
208. Dumpster load - Approx. 30 yards, 5-7 tons of debris	4.00 EA	740.37	0.00	0.00	592.30	3,553.78

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
209. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
210. Floor protection - cloth - skid resistant, breathable	5,306.00 SF	1.18	0.00	0.00	1,252.22	7,513.30
Protecting interior floor during roof tear off open frame building						
211. Content Manipulation charge - per hour	5.00 HR	0.00	41.15	0.00	41.16	246.91
Move contents in out during roof replacement						
Totals: Main Level				0.00	20,281.82	121,690.74
Total: Street Barn & Garage				0.00	20,281.82	121,690.74

Animal Control Shelter

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
212. R&R Metal roofing - ribbed - 24 gauge - 1 1/8" to 1 1/2"	1,840.00 SF	0.55	7.61	0.00	3,002.88	18,017.28
213. R&R Hip / Ridge cap - metal roofing	40.00 LF	3.18	6.31	0.00	75.92	455.52
214. R&R Cap flashing	85.60 LF	0.63	20.82	0.00	367.22	2,203.34
Large rake metal						
215. Remove Vinyl-faced/laminated insulation - 2"	1,840.00 SF	0.26	0.00	0.00	95.68	574.08
Removal of existing						
216. R&R Closure strips for metal roofing - inside and/or outside	80.00 LF	0.91	1.97	0.00	46.08	276.48
Ridge and eave						
217. R&R Eave trim for metal roofing - 26 gauge	40.00 LF	0.91	5.54	0.00	51.60	309.60
218. R&R Ridge end cap for metal roofing	2.00 EA	5.86	26.26	0.00	12.84	77.08
219. Vinyl-faced/laminated insulation - 6"	1,840.00 SF	0.00	1.68	0.00	618.24	3,709.44
Install only per code.						
220. Additional cost for high wall or ceiling - 11' to 14' high	1,840.00 SF	0.16	0.44	0.00	220.80	1,324.80
221. Dumpster load - Approx. 30 yards, 5-7 tons of debris	2.00 EA	740.37	0.00	0.00	296.14	1,776.88
222. Telehandler/forklift and operator	18.00 HR	0.00	122.45	0.00	440.82	2,644.92
223. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
224. Floor protection - cloth - skid resistant, leak proof	1,840.00 SF	0.94	0.00	0.00	345.92	2,075.52

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
Protecting interior floor during roof tear off open frame building						
225. Content Manipulation charge - per hour	5.00 HR	0.00	41.15	0.00	41.16	246.91
Move contents in out during roof replacement						
Totals: Main Level				0.00	5,647.46	33,884.82
Total: Animal Control Shelter				0.00	5,647.46	33,884.82

Airport Hangar

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
226. R&R Metal roofing - ribbed - 26 gauge - 1 1/8" to 1 1/2"	6,933.00 SF	0.55	6.96	0.00	10,413.38	62,480.21
227. R&R Hip / Ridge cap - metal roofing	78.00 LF	3.18	6.31	0.00	148.04	888.26
228. R&R Metal roofing - clear/skylight panel	108.00 SF	0.55	5.22	0.00	124.64	747.80
229. R&R Eave trim for metal roofing - 26 gauge	156.00 LF	0.91	5.54	0.00	201.24	1,207.44
230. Butyl tape / sealing metal roofing panels for low slopes	2,467.00 LF	0.00	1.00	0.00	493.40	2,960.40
Calculation is SF/3+ panel laps length						
231. R&R Cap flashing - large	71.00 LF	0.63	28.47	0.00	413.22	2,479.32
Rake trim exceeds 12" see photos						
232. Remove Vinyl-faced/laminated insulation - 2"	6,933.00 SF	0.26	0.00	0.00	360.52	2,163.10
Removal of existing						
233. R&R Metal roofing - clear/skylight panel	108.00 SF	0.55	7.06	0.00	164.38	986.26
18sf per skylight (6)						
234. R&R Ridge end cap for metal roofing	2.00 EA	5.86	26.26	0.00	12.84	77.08
235. Remove Additional charge for high roof (2 stories or greater)	69.33 SQ	5.77	0.00	0.00	80.00	480.03
236. Additional charge for high roof (2 stories or greater)	69.33 SQ	0.00	19.39	0.00	268.86	1,613.17
237. Vinyl-faced/laminated insulation - 6"	6,933.00 SF	0.00	1.68	0.00	2,329.48	13,976.92
238. Additional cost for high wall or ceiling - over 14' to 20'	6,933.00 SF	0.21	0.61	0.00	1,137.00	6,822.06
239. R&R Storage shed - Vinyl - Gable type - 10' x 8'	1.00 EA	163.80	1,723.67	0.00	377.50	2,264.97

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
Damaged see photos						
240. Dumpster load - Approx. 30 yards, 5-7 tons of debris	6.00 EA	740.37	0.00	0.00	888.44	5,330.66
241. Telehandler/forklift and operator	69.00 HR	0.00	122.45	0.00	1,689.82	10,138.87
For removal and install of metal roofing, insulation, and accessories						
242. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
243. Floor protection - cloth - skid resistant, leak proof	6,933.00 SF	0.94	0.00	0.00	1,303.40	7,820.42
Protecting interior floor during roof tear off open frame building						
244. Content Manipulation charge - per hour	15.00 HR	0.00	41.15	0.00	123.46	740.71
Move contents in out during roof replacement						
Totals: Main Level				0.00	20,561.78	123,370.65

Additional hangar

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
245. R&R Metal roofing - High grade Low slope corrugated 18 Ga panel	7,166.00 SF	0.55	10.47	0.00	15,793.86	94,763.18
246. R&R Cap flashing - large Rake LF	74.00 LF	0.63	28.47	0.00	430.68	2,584.08
247. R&R Metal roofing - clear/skylight panel 30SF* 6 skylights	180.00 SF	0.55	7.06	0.00	273.96	1,643.76
248. R&R Eave trim for metal roofing - 26 gauge	390.00 LF	0.91	5.54	0.00	503.10	3,018.60
249. Vinyl-faced/laminated insulation - 6"	7,166.00 SF	0.00	1.68	0.00	2,407.78	14,446.66
Install only per code. Vinyl back most practical and inexpensive insulating option for this system.						
250. R&R Ridge end cap for metal roofing	2.00 EA	5.86	26.26	0.00	12.84	77.08
251. Butyl tape / sealing metal roofing panels for low slopes SF/3'	2,388.67 LF	0.00	1.00	0.00	477.74	2,866.41
252. R&R Hip / Ridge cap - metal roofing	195.00 LF	3.18	6.31	0.00	370.12	2,220.67
253. Telehandler/forklift and operator	71.00 HR	0.00	122.45	0.00	1,738.80	10,432.75
254. Dumpster load - Approx. 30 yards, 5-7 tons of debris	6.00 EA	740.37	0.00	0.00	888.44	5,330.66
255. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97

CONTINUED - Additional hangar

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
Totals: Additional hangar				0.00	22,929.48	137,576.82
Total: Airport Hangar				0.00	43,491.26	260,947.47

Airport Terminal

Airport Terminal

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
256. R&R Metal roofing - ribbed - 26 gauge - up to 1"	2,373.00 SF	0.55	6.87	0.00	3,521.54	21,129.20
257. R&R Hip / Ridge cap - metal roofing	78.58 LF	3.18	6.31	0.00	149.14	894.86
258. R&R Cap flashing	102.50 LF	0.63	20.82	0.00	439.74	2,638.37
Large rake metal						
259. R&R Eave trim for metal roofing - 29 gauge	132.50 LF	0.91	4.77	0.00	150.52	903.13
260. R&R Valley metal - (W) profile - painted	18.65 LF	0.63	7.81	0.00	31.50	188.91
261. R&R Eave trim for metal roofing - 26 gauge	132.50 LF	0.91	5.54	0.00	170.94	1,025.57
262. R&R Neoprene pipe jack flashing for metal roofing	3.00 EA	8.64	64.48	0.00	43.86	263.22
263. R&R Sidewall flashing for metal roofing - 26 gauge	13.00 LF	0.63	4.26	0.00	12.72	76.29
264. Add. layer of comp. shingles, remove & disp. - Laminated	23.73 SQ	36.43	0.00	0.00	172.90	1,037.38
Under metal panels see photos						
265. Add. layer of felt/underlayment, remove & disp.	23.73 SQ	7.69	0.00	0.00	36.50	218.98
under shingles under metal panels see photos						
266. R&R Closure strips for metal roofing - inside and/or outside at ridge and eave	78.58 LF	0.91	1.97	0.00	45.26	271.57
267. R&R Ridge end cap for metal roofing	4.00 EA	5.86	26.26	0.00	25.68	154.16
268. Dumpster load - Approx. 30 yards, 5-7 tons of debris	2.00 EA	740.37	0.00	0.00	296.14	1,776.88
269. Telehandler/forklift and operator	23.00 HR	0.00	122.45	0.00	563.28	3,379.63
270. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
Total: Airport Terminal				0.00	5,691.88	34,151.12

Exterior

CONTINUED - Exterior

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
271. R&R Soffit - wood	293.00 SF	0.32	8.33	0.00	506.90	3,041.35
272. Prime & paint exterior soffit - wood	293.00 SF	0.00	2.10	0.00	123.06	738.36
Totals: Exterior				0.00	629.96	3,779.71
Total: Airport Terminal				0.00	6,321.84	37,930.83

Fuel System & Fuel Pump @ Airport

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
273. R&R Metal roofing - ribbed - 26 gauge - up to 1"	73.00 SF	0.55	6.87	0.00	108.34	650.00
274. R&R Eave trim for metal roofing - 29 gauge	34.00 LF	0.91	4.77	0.00	38.62	231.74
Totals: Fuel System & Fuel Pump @ Airport				0.00	146.96	881.74

Masonic Theater

Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
275. R&R Modified bitumen roof - hot mopped	43.52 SQ	54.13	438.62	0.00	4,288.88	25,733.36
276. R&R Insulation - perlite board, 1"	78.01 SQ	58.20	199.36	0.00	4,018.46	24,110.71
277. R&R Flash parapet wall only - bitumen - up to 3'	396.00 LF	2.17	13.47	0.00	1,238.68	7,432.12
278. R&R Roof scupper - aluminum	2.00 EA	13.65	274.21	0.00	115.14	690.86
279. R&R Flashing - pipe jack	4.00 EA	7.68	50.21	0.00	46.30	277.86
280. Hip / Ridge / Rake cap - tile roofing - Detach & reset	84.00 LF	0.00	10.12	0.00	170.02	1,020.10
281. Cap flashing	396.00 LF	0.00	20.82	0.00	1,648.94	9,893.66
Install only to cover parapet wall properly						
282. Caulking - silicone on all parapet walls	396.00 LF	0.00	2.44	0.00	193.24	1,159.48
283. R&R Aluminum termination bar / flashing for membrane roofs Existing on all parapet walls see photos	396.00 LF	0.63	2.45	0.00	243.94	1,463.62
284. R&R Furnace vent - rain cap and storm collar, 6"	3.00 EA	11.70	92.26	0.00	62.38	374.26

CONTINUED - Main Level

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
285. Central air - condenser unit - Detach & reset	4.00 EA	0.00	626.12	0.00	500.90	3,005.38
286. Remove Additional charge for high roof (2 stories or greater)	43.52 SQ	5.77	0.00	0.00	50.22	301.33
287. Additional charge for high roof (2 stories or greater)	43.52 SQ	0.00	19.39	0.00	168.78	1,012.63
288. R&R Sheathing - OSB - 1/2"	1,188.00 SF	0.61	2.24	0.00	677.16	4,062.96
Parapet walls have old BUR roofing need re-sheathed for roof to adhere (3' wall*396)						
289. Insulation - ISO board, 1 1/2"	43.52 SQ	0.00	224.55	0.00	1,954.48	11,726.90
290. Insulation - ISO board, 1"	43.52 SQ	0.00	196.94	0.00	1,714.16	10,284.99
291. R&R Gutter / downspout - box - aluminum - 7" to 8"	30.00 LF	0.55	24.05	0.00	147.60	885.60
292. R&R Conductor head - aluminum	2.00 EA	20.48	310.00	0.00	132.20	793.16
293. Dumpster load - Approx. 30 yards, 5-7 tons of debris	4.00 EA	740.37	0.00	0.00	592.30	3,553.78
294. Telehandler/forklift and operator	43.00 HR	0.00	122.45	0.00	1,053.08	6,318.43
295. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
296. Mechanical Bid Item	1.00 EA	0.00	0.00	0.00	0.00	0.00
Coordinate with HVAC, Electrical, Plumbing contractor during roofing job. best efforts will be made to perform work during downtime to avoid expense of temporary air inside the building during constriction project						
Totals: Main Level				0.00	19,049.02	114,294.16
Total: Masonic Theater				0.00	19,049.02	114,294.16

City Hall

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
297. R&R Built-up 5 ply roofing - in place	76.65 SQ	96.16	498.34	0.00	9,113.70	54,682.12
298. R&R Cap flashing - large	252.00 LF	0.63	28.47	0.00	1,466.64	8,799.84
Large metal detail see photos						
299. R&R Aluminum sidewall/endwall flashing - color finish	347.00 LF	0.63	8.38	0.00	625.30	3,751.77
300. R&R Aluminum coating - without fiber	7,665.00 SF	0.21	0.69	0.00	1,379.72	8,278.22
301. R&R Flashing - pipe jack - lead	3.00 EA	7.68	83.10	0.00	54.46	326.80
302. Roof drain cover - Detach & reset	5.00 EA	0.00	42.48	0.00	42.48	254.88
303. Comb and straighten a/c condenser fins - with trip charge	1.00 EA	0.00	180.18	0.00	36.04	216.22
304. Comb/straighten a/c cond. fins - w/out trip charge - Large	7.00 EA	0.00	102.88	0.00	144.04	864.20

CONTINUED - City Hall

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
305. R&R Drip edge/gutter apron	48.50 LF	0.37	3.00	0.00	32.70	196.15
306. R&R Gravity roof ventilator - 18"	4.00 EA	9.81	338.11	0.00	278.32	1,670.00
307. Remove Insulation - polystyrene board, 1"	43.41 SQ	56.39	0.00	0.00	489.58	2,937.47
308. Remove Insulation - polystyrene board, 1-1/2"	43.41 SQ	56.53	0.00	0.00	490.80	2,944.77
309. Remove Insulation - perlite board, 1"	76.65 SQ	58.20	0.00	0.00	892.20	5,353.23
310. R&R Gutter / downspout - box - aluminum - 6"	20.00 LF	0.55	16.28	0.00	67.32	403.92
311. R&R Roof scupper - aluminum	2.00 EA	13.65	274.21	0.00	115.14	690.86
312. R&R Conductor head - aluminum	2.00 EA	20.48	310.00	0.00	132.20	793.16
313. R&R Roof drain - cast iron - 2" to 6" outlet	5.00 EA	46.80	661.45	0.00	708.26	4,249.51
314. Taper (2 sections)	1.00 EA	0.00	0.00	0.00	0.00	0.00
315. Sheathing - OSB - 1/2"	475.00 SF	0.00	1.64	0.00	155.80	934.80
Parapet wall deteriorating needs to be re sheathed for new roof to adhere to						
316. R&R 2" x 6" lumber (1 BF per LF)	393.00 LF	0.66	2.52	0.00	249.96	1,499.70
Nailer for new insulation height and added larger edge metal to cover it						
317. Insulation - ISO board, 1 1/2"	76.60 SQ	0.00	224.55	0.00	3,440.10	20,640.63
318. Insulation - ISO board, 1"	76.60 SQ	0.00	196.94	0.00	3,017.12	18,102.72
319. R&R Counterflashing - Apron flashing	176.00 LF	0.63	10.18	0.00	380.52	2,283.08
8 units @ 22 LF						
320. R&R Curb flashing - rubber	176.00 LF	2.05	20.34	0.00	788.12	4,728.76
8 units @ 22LF						
321. Mechanical Bid Item	1.00 EA	0.00	0.00	0.00	0.00	0.00
Coordinate with HVAC, Electrical, Plumbing contractor during roofing job. best efforts will be made to perform work during downtime to avoid expense of temporary air inside the building during constriction project						
322. Remove Bitumen roof - Add. glass felt layer - hot mopped appl.	76.65 SQ	7.71	0.00	0.00	118.20	709.17
323. Dumpster load - Approx. 30 yards, 5-7 tons of debris	6.00 EA	740.37	0.00	0.00	888.44	5,330.66
324. Telehandler/forklift and operator	76.00 HR	0.00	122.45	0.00	1,861.24	11,167.44
325. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
326. Tapered Insulation	30.75 SQ	0.00	461.44	0.00	2,837.86	17,027.14
Per Code for positive roof drainage						
Totals: City Hall				0.00	29,838.42	179,030.19

City Light & Power Plant

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
327. R&R Metal roofing - ribbed - 24 gauge - 1 1/8" to 1 1/2"	7,917.00 SF	0.55	7.61	0.00	12,920.56	77,523.28
328. R&R Closure strips for metal roofing - inside and/or outside	411.00 LF	0.91	1.97	0.00	236.74	1,420.42
Existing, at ridge and eave						
329. Remove Additional charge for steep roof - 7/12 to 9/12 slope	40.00 SQ	15.26	0.00	0.00	122.08	732.48
330. Additional charge for steep roof - 7/12 to 9/12 slope	40.00 SQ	0.00	43.90	0.00	351.20	2,107.20
331. R&R Valley metal - (W) profile	85.00 LF	0.63	6.82	0.00	126.66	759.91
332. R&R Hip / Ridge cap - metal roofing	179.00 LF	3.18	6.31	0.00	339.74	2,038.45
333. R&R Cap flashing	198.00 LF	0.63	20.82	0.00	849.42	5,096.52
334. R&R Eave trim for metal roofing - 26 gauge	253.00 LF	0.91	5.54	0.00	326.36	1,958.21
335. Vinyl-faced/laminated insulation - 6"	7,917.00 SF	0.00	1.68	0.00	2,660.12	15,960.68
Install only per code						
336. R&R Gravity roof ventilator - 18"	4.00 EA	9.81	338.11	0.00	278.32	1,670.00
337. R&R Ridge end cap for metal roofing	3.00 EA	5.86	26.26	0.00	19.28	115.64
338. Dumpster load - Approx. 30 yards, 5-7 tons of debris	7.00 EA	740.37	0.00	0.00	1,036.52	6,219.11
339. Telehandler/forklift and operator	79.00 HR	0.00	122.45	0.00	1,934.72	11,608.27
340. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
Totals: City Light & Power Plant				0.00	21,233.88	127,403.14

Water Softening Plant

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
341. Remove Steel panel - tile/shake - color finish - w/out felt	25.00 SQ	94.78	0.00	0.00	473.90	2,843.40
342. Steel panel - tile/shake - color finish - w/out felt	25.00 SQ	0.00	654.55	0.00	3,272.76	19,636.51
343. R&R Steel tile/shake - ridge or hip - granular coated	198.00 LF	3.17	12.91	0.00	636.78	3,820.62
344. Bird stop - Eave closure strip for tile roofing - metal	198.00 LF	0.00	4.08	0.00	161.56	969.40
345. Aluminum shingle/shake - starter strip	198.00 LF	0.00	4.04	0.00	159.98	959.90
346. R&R Aluminum coating - without fiber	2,500.00 SF	0.21	0.69	0.00	450.00	2,700.00

CONTINUED - Water Softening Plant

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	O&P	TOTAL
347. Sheathing - plywood - 1/2" CDX	2,500.00 SF	0.00	2.39	0.00	1,195.00	7,170.00
348. Roofing felt - 30 lb.	25.00 SQ	0.00	39.81	0.00	199.06	1,194.31
349. R&R Gutter / downspout - aluminum - up to 5"	238.00 LF	0.55	9.35	0.00	471.24	2,827.44
350. Dumpster load - Approx. 30 yards, 5-7 tons of debris	2.00 EA	740.37	0.00	0.00	296.14	1,776.88
351. Temporary toilet (per month)	1.00 MO	0.00	160.81	0.00	32.16	192.97
352. Telehandler/forklift and operator	25.00 HR	0.00	122.45	0.00	612.26	3,673.51
Totals: Water Softening Plant				0.00	7,960.84	47,764.94
Line Item Totals: CITYOFMANGUM1				0.00	304,966.24	1,829,796.05

Summary

Line Item Total	1,524,829.81
Overhead	152,483.12
Profit	152,483.12
Replacement Cost Value	\$1,829,796.05
Net Claim	\$1,829,796.05

Recap of Taxes, Overhead and Profit

	Overhead (10%)	Profit (10%)
Line Items	152,483.12	152,483.12
Total	152,483.12	152,483.12

Recap by Room

Estimate: CITYOFMANGUM1		
General Items	740.00	0.05%
Lagoon Treatment Building	162.99	0.01%
Welcome Center	423.09	0.03%
Area: Electrical Plant Shop		
Main Level	68,318.43	4.48%
Area Subtotal: Electrical Plant Shop	68,318.43	4.48%
Area: City Hall Annex & Garage		
Main Level	203,206.41	13.33%
Exterior	3,569.85	0.23%
Area Subtotal: City Hall Annex & Garage	206,776.26	13.56%
Area: David Caley Memorial Annex		
Main Level	63,154.44	4.14%
Exterior	895.25	0.06%
Office	540.19	0.04%
Area Subtotal: David Caley Memorial Annex	64,589.88	4.24%
Area: Community Center		
Main Level	50,548.93	3.32%
Area Subtotal: Community Center	50,548.93	3.32%
Area: Meal Site		
Main Level	46,298.53	3.04%
Roof 2	3,968.98	0.26%
Awning	3,028.31	0.20%
Area Subtotal: Meal Site	53,295.82	3.50%
Area: Greer County Museum		
Roof	165,305.04	10.84%
Exterior	8,420.69	0.55%
Area Subtotal: Greer County Museum	173,725.73	11.39%
Area: Library		
Main Level	29,056.27	1.91%
Exterior	7,827.03	0.51%

Area Subtotal: Library	36,883.30	2.42%
Area: Bath House & City Pool Main Level	51,626.58	3.39%
Area Subtotal: Bath House & City Pool	51,626.58	3.39%
Area: Park Equipment & Storage Building Main level	16,352.75	1.07%
Area Subtotal: Park Equipment & Storage Building	16,352.75	1.07%
Area: Water Department Garage Main Level	31,529.52	2.07%
Area Subtotal: Water Department Garage	31,529.52	2.07%
Area: Street Barn & Garage Main Level	101,408.92	6.65%
Area Subtotal: Street Barn & Garage	101,408.92	6.65%
Area: Animal Control Shelter Main Level	28,237.36	1.85%
Area Subtotal: Animal Control Shelter	28,237.36	1.85%
Area: Airport Hangar Main Level	102,808.87	6.74%
Additional hangar	114,647.34	7.52%
Area Subtotal: Airport Hangar	217,456.21	14.26%
Area: Airport Terminal Exterior	28,459.24	1.87%
	3,149.75	0.21%
Area Subtotal: Airport Terminal	31,608.99	2.07%
Fuel System & Fuel Pump @ Airport	734.78	0.05%
Area: Masonic Theater Main Level	95,245.14	6.25%
Area Subtotal: Masonic Theater	95,245.14	6.25%
City Hall	149,191.77	9.78%
City Light & Power Plant	106,169.26	6.96%
Water Softening Plant	39,804.10	2.61%

Subtotal of Areas	1,524,829.81	100.00%
Total	1,524,829.81	100.00%

Recap by Category

O&P Items	Total	%
AWNINGS & PATIO COVERS	3,113.60	0.17%
CLEANING	265.30	0.01%
CONTENT MANIPULATION	1,687.15	0.09%
GENERAL DEMOLITION	215,773.79	11.79%
DRYWALL	6,312.34	0.34%
ELECTRICAL	486.22	0.03%
HEAVY EQUIPMENT	122,891.39	6.72%
FRAMING & ROUGH CARPENTRY	1,910.48	0.10%
HEAT, VENT & AIR CONDITIONING	4,861.28	0.27%
INSULATION	78,912.48	4.31%
LIGHT FIXTURES	157.57	0.01%
MOISTURE PROTECTION	966.24	0.05%
METAL STRUCTURES & COMPONENTS	5,640.53	0.31%
PLUMBING	3,307.25	0.18%
PAINTING	1,199.84	0.07%
ROOFING	1,011,342.98	55.27%
SIDING	18,238.12	1.00%
SOFFIT, FASCIA, & GUTTER	34,060.06	1.86%
TEMPORARY REPAIRS	3,795.39	0.21%
WINDOWS - ALUMINUM	364.95	0.02%
WINDOW REGLAZING & REPAIR	7,819.18	0.43%
EXTERIOR STRUCTURES	1,723.67	0.09%
O&P Items Subtotal	1,524,829.81	83.33%
Overhead	152,483.12	8.33%
Profit	152,483.12	8.33%
Total	1,829,796.05	100.00%