

MATERIAL TAKEOFF & COST ESTIMATE



Customer ID:  
Contact:  
E-mail:

Job Name: Project Name  
Scope: ABC  
Address: ABC, 70001  
Date: 13-Aug-20

SR #	DWG. #	DESCRIPTION	QUANTITY	UNIT	UNIT LABOR	UNIT MATERIAL	TOTAL COST	TRADE COST
<b>DIVISION 01 - GENERAL REQUIREMENTS</b>								
1		Supervision	1	LS			\$ -	
2		Permits	1	LS			\$ -	
3		Final Cleanup	1	LS	\$42,392		\$ 42,392	
4		Mobilization Costs (2.5%)	1	LS			\$ -	
5		Project Overheads	1	LS			\$ -	
6		Bonds	1	LS	\$36,330		\$ 36,330	
7		Temporary Control & Facilities	1	LS	\$19,073		\$ 19,073	
							<b>Subtotal</b>	<b>\$97,795</b>
<b>DIVISION 22- PLUMBING</b>								
8		Allowance for Plumbing Piping Fittings, Valves etc. Area = 60,55 SF	1	LS	\$6,340		\$ 6,340	
		<b>Plumbing Equipments</b>						
9	P-001 TO P-503	WC-1: Water Closet Model# 3451001 MFR: American Standard	2	EA	\$224	\$251	\$ 951	
10		WC-2: Ada Water Closet Model# 3043.001 MFR: American Standard	5	EA	\$247	\$235	\$ 2,409	
11		WC-3: Water Closet Model# 2462.100 MFR: American Standard	10	EA	\$209	\$256	\$ 4,654	
12		WC-4: Ada Water Closet Model# 2467.100 MFR: American Standard	5	EA	\$247	\$280	\$ 2,634	
13		L-1: Lavatory Model# 0614.000 MFR: American Standard	4	EA	\$230	\$354	\$ 2,337	
14		L-2: Ada Lavatory Model# 0321.026 MFR: American Standard	5	EA	\$247	\$365	\$ 2,756	
15		L-3: Lavatory Model# 0614.000 MFR: American Standard	15	EA	\$217	\$369	\$ 8,789	
16		S-1: Sink Model# KW1012522 MFR: Dayton Moen	1	EA	\$165	\$155	\$ 320	
17		U-1: Urinal Model# 6590.525 MFR: American Standard	2	EA	\$97	\$165	\$ 524	
18		EWC-1: Electric Water Cooler Model# VRCTL8SC MFR: Elkay	1	EA	\$329	\$254	\$ 583	
19		MS-1: MOP Sink Model# MSB 2424 MFR: FIAT	3	EA	\$247	\$154	\$ 1,002	
20		SH-1: Shower Pan Model# SP-3660-C/SF MFR: Mincey	3	EA	\$239	\$221	\$ 1,381	
21		SH-2: Shower Pan Model# SP-3648-C/SF MFR: Mincey	3	EA	\$97	\$211	\$ 771	
22		SH-3: Ada Shower Pan Model# Custom MFR: Mincey	6	EA	\$82	\$410	\$ 2,703	
23		SH-4: Shower Pan Model # K-22170-G MFR: Kohler	1	EA	\$224	\$410	\$ 317	
24	4" FS: Floor Sink Model# Z 1388 Mfr: ZURN	9	EA	\$180	\$265	\$ 4,001		
25	HB-1: Hose Bibb Model# LFSC-6 Mfr:WATTS	1	EA	\$81	\$66	\$ 73		

26		BT-1	5	EA	\$299	\$125	\$ 2,121
27		American Standard Water Closet	55	EA	\$224	\$254	\$ 26,311
28		American Standard Lavatory	55	EA	\$97	\$265	\$ 19,923
29		Shower	25	EA	\$299	\$110	\$ 10,230
30		Bath Tub	30	EA	\$449	\$455	\$ 27,113
31		Grease Trap, 750 Gallon	1	EA	\$299	\$285	\$ 292
		<b>Plumbing Equipments</b>					
32		Proposed Genset (2,115 CFH)	1	EA	\$748	\$5,850	\$ 3,299
33	P-001 TO P-503	SP-1: Submersible Pump Model# E293 MFR: ZOELLER	1	EA	\$299	\$354	\$ 327
34		WH-1: Wall Hydrant Model# HY-420 MFR: WATTS	3	EA	\$52	\$110	\$ 406
35		PH-1: Non Freeze Hydrant Model# Z 1388 MFR: ZURN	1	EA	\$75	\$102	\$ 177
36		HP-1: Pump Model# 3U-32-125 MFR: Synchroflo	1	EA	\$299	\$655	\$ 477
37		GWH: Gas Water Heater Model# NC380-SV-ASME MFR: NORITZ	5	EA	\$329	\$455	\$ 3,528
38		RCP-1: Pump Model# PL-36B MFR: B & G	1	EA	\$329	\$385	\$ 357
39		RCP-2: Pump Model# PL-30B MFR: B & G	1	EA	\$329	\$410	\$ 370
40		IWH-1: Instantaneous Electric Heater Model# M-20L MFR: Chromomite	1	EA	\$224	\$366	\$ 295
			<b>Drains/Clean Outs</b>				
41	P-001 TO P-503	3" Floor Drain	6	EA	\$67	\$46	\$ 620
42		4" Floor Drain	2	EA	\$52	\$65	\$ 176
43		ECO: Exterior Clean Out	2	EA	\$36	\$26	\$ 123
44		FCO: Floor Clean Out	4	EA	\$37	\$37	\$ 256
45		2" VTR: Vent Through Roof	1	EA	\$53	\$66	\$ 60
46		WCO: Wall Clean Out	1	EA	\$38	\$26	\$ 32
47		4" VTR: Vent Through Roof	7	EA	\$34	\$55	\$ 616
48		6" RD: Roof Drain	2	EA	\$38	\$79	\$ 175
49		6" OD: Overflow Drain	2	EA	\$49	\$110	\$ 238
		<b>Valves</b>					
50	P-001 TO	Shut Off Valves	57	EA	\$52	\$46	\$ 5,578
51	P-503	Back Flow preventer	1	EA	\$67	\$37	\$ 52
		<b>Plumbing Pipes</b>					
52		1 1/4" Gas Pipe	59	LF	\$20	\$3	\$ 1,302
53		1 1/4" CD Pipe	704	LF	\$20	\$3	\$ 15,668
54		1/2" Vent Pipe	30	LF	\$15	\$3	\$ 531
55		6" Storm Pipe	196	LF	\$31	\$8	\$ 7,692
56		1" CD	75	LF	\$20	\$1	\$ 1,609
57		3/4" CD	4	LF	\$17	\$2	\$ 65
58		4" Storm Pipe	369	LF	\$28	\$4	\$ 11,692
59		3" Storm Pipe	29	LF	\$26	\$4	\$ 874
60		2" Vent Pipe	76	LF	\$23	\$3	\$ 1,933
61		3" Vent Pipe	36	LF	\$26	\$3	\$ 1,039
62		2 1/2" Vent Pipe	30	LF	\$24	\$3	\$ 814
63		6" Waste Pipe	35	LF	\$32	\$9	\$ 1,404
64		2" Storm Pipe	48	LF	\$20	\$2	\$ 1,072
65		3/4" HW Pipe	182	LF	\$17	\$1	\$ 3,263
66		1 -1/4" HP CW Line	69	LF	\$20	\$3	\$ 1,538



136		8" Dia Supply Duct	26	LF	\$67	\$14	\$ 2,066
137		8x10 Supply Duct	75	LF	\$67	\$12	\$ 5,859
138		8x4 Supply Duct	13	LF	\$68	\$11	\$ 992
139		8x6 Supply Duct	99	LF	\$67	\$12	\$ 7,725
140		8x8 Return Duct	14	LF	\$68	\$13	\$ 1,094
141		8x8 Supply Duct	34	LF	\$67	\$13	\$ 2,680
		<b>Piping</b>					
142	M-001	7/8" RS & 3/8" RL Piping	439	LF	\$18	\$1	\$ 8,534
143	TO	4" PVC for all Underground Refrigerant Piping	71	LF	\$49	\$1	\$ 3,573
144	M-501	Ref Piping	45	LF	\$26	\$2	\$ 1,210
		<b>Thermostat</b>					
145	M-001 TO M-501	Furnish & Install Thermostat	28	EA	\$81	\$25	\$ 2,903
		<b>Mechanical Equipment</b>					
146		CU-1: Condensing Unit Model# CBA27UHE-060 Mfr: LENNOX	1	EA	\$869	\$3,580	\$ 2,224
147		CU-2: Condensing Unit Model# CBA27UHE-060 Mfr: LENNOX	1	EA	\$869	\$3,580	\$ 2,224
148		CU-3: Condensing Unit Model# CBA27UHE-060 Mfr: LENNOX	1	EA	\$869	\$3,580	\$ 2,224
149		CU-4: Condensing Unit Model# CBA27UHE-060 Mfr: LENNOX	1	EA	\$869	\$3,580	\$ 2,224
150		CU-5: Condensing Unit Model# CBA27UHE-036 Mfr: LENNOX	1	EA	\$869	\$3,225	\$ 2,047
151		CU-6: Condensing Unit Model# CBA27UHE-048 Mfr: LENNOX	1	EA	\$869	\$3,454	\$ 2,161
152		CU-7: Condensing Unit Model# CBA27UHE-042 Mfr: LENNOX	1	EA	\$869	\$2,525	\$ 1,697
153		CU-8: Condensing Unit Model# CBA27UHE-060 Mfr: LENNOX	1	EA	\$869	\$3,580	\$ 2,224
154		CU-9: Condensing Unit Model# CBA27UHE-060 Mfr: LENNOX	1	EA	\$869	\$3,580	\$ 2,224
155		CU-10: Condensing Unit Model# PUY-A24NHA7-BS Mfr: MITSUBISHI	1	EA	\$869	\$6,585	\$ 3,727
156		AHU-1: Air Handling Units Model# ML14XC1-060-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709
157		AHU-2: Air Handling Units Model# ML14XC1-060-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709
158		AHU-3: Air Handling Units Model# ML14XC1-060-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709
159		AHU-4: Air Handling Units Model# ML14XC1-060-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709
160		AHU-5: Air Handling Units Model# ML14XC1-036-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709
161		AHU-6: Air Handling Units Model# ML14XC1-048-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709
162		AHU-7: Air Handling Units Model# ML14XC1-042-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709
163		AHU-8: Air Handling Units Model# ML14XC1-060-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709
164		AHU-9: Air Handling Units Model# ML14XC1-060-230 Mfr: LENNOX	1	EA	\$869	\$6,550	\$ 3,709

M-001

165	M-501	AHU-10: Air Handling Units Model# PKA-A24KA7 Mfr: MITSUBISHI	1	EA	\$869	\$5,580	\$ 3,224
166		AHU-6-1: VRV Split System Model# ARNU073TRD4 Mfr: LG	1	EA	\$869	\$4,588	\$ 2,728
167		AHU-6-2: VRV Split System Model# ARNU183L2G4 Mfr: LG	1	EA	\$869	\$3,565	\$ 2,217
168		AHU-X-1: VRV Split System Model# ARNU183L2G4 Mfr: LG	2	EA	\$869	\$5,454	\$ 12,645
169		AHU-X-2: VRV Split System Model# ARNU053TRD4 Mfr: LG	2	EA	\$869	\$2,554	\$ 6,845
170		PTAC-1 Model# PTC073G Mfr: AMANA	44	EA	\$869	\$5,458	\$ 278,366
171		PTAC-2 Model# PTC093G Mfr: AMANA	11	EA	\$869	\$5,485	\$ 69,889
172		CU-7-1: Condensing Unit Model# ARUM121BTES Mfr: LG	1	EA	\$869	\$2,550	\$ 1,709
173		BSB-1: Condensing Unit Model# PRHR023A Mfr: LG	3	EA	\$869	\$2,550	\$ 8,546
174		EUH-1: Unit Heater CFM: 400 Model# UHEC-03	1	EA	\$648	\$445	\$ 547
			<b>Exhaust Fan</b>				
175		EF-1: Exhaust Fan CFM: 175 Model# G-080-VG	1	EA	\$134	\$140	\$ 274
176		EF-2: Exhaust Fan CFM: 300 Model# G-080-VG	4	EA	\$134	\$240	\$ 1,310
177		EF-3: Exhaust Fan CFM: 250 Model# G-080-VG	1	EA	\$134	\$200	\$ 334
178		EF-4: Exhaust Fan CFM: 125 Model# G-079-VG	1	EA	\$134	\$100	\$ 234
179		EF-5: Exhaust Fan CFM: 2875 Model# USF-24	1	EA	\$134	\$2,300	\$ 1,217
180		EF-6: Exhaust Fan CFM: 420 Model# CSP-A510	1	EA	\$134	\$336	\$ 235
181	EF-7: Exhaust Fan CFM: 100 Model# CSP-A510	1	EA	\$134	\$80	\$ 107	
182	EF-8: Exhaust Fan CFM: 75 Model# CSP-A110	1	EA	\$134	\$60	\$ 97	
183	EF-9: Exhaust Fan CFM: 300 Model# CSP-A110	1	EA	\$134	\$240	\$ 187	
184	EF-10: Exhaust Fan CFM: 140 Model# SE1-10-428-P	1	EA	\$134	\$112	\$ 123	
		<b>Diffuser register Grill</b>					
185		A,Ceiling Supply Diffuser, 10" Dia, CFM 225	3	EA	\$174	\$180	\$ 1,061
186		A,Ceiling Supply Diffuser, 10" Dia, CFM 250	1	EA	\$174	\$200	\$ 374
187		A,Ceiling Supply Diffuser, 10" Dia, CFM 275	3	EA	\$174	\$220	\$ 1,181
188		A,Ceiling Supply Diffuser, 10" Dia, CFM 300	1	EA	\$174	\$240	\$ 207
189		A,Ceiling Supply Diffuser, 10" Dia, CFM 325	2	EA	\$174	\$260	\$ 867
190		A,Ceiling Supply Diffuser, 12" Dia, CFM 425	2	EA	\$174	\$340	\$ 1,027
191		A,Ceiling Supply Diffuser, 12" Dia, CFM 475	1	EA	\$174	\$380	\$ 554
192		A,Ceiling Supply Diffuser, 12" Dia, CFM 500	2	EA	\$174	\$400	\$ 1,147
193		A,Ceiling Supply Diffuser, 6" Dia, CFM 100	4	EA	\$130	\$80	\$ 734
194		A,Ceiling Supply Diffuser, 6" Dia, CFM 50	5	EA	\$104	\$40	\$ 649
195		A,Ceiling Supply Diffuser, 6" Dia, CFM 75	3	EA	\$151	\$60	\$ 526
196		A,Ceiling Supply Diffuser, 8" Dia, CFM 125	1	EA	\$127	\$100	\$ 227
197		A,Ceiling Supply Diffuser, 8" Dia, CFM 150	1	EA	\$104	\$120	\$ 224
198		A,Ceiling Supply Diffuser, 8" Dia, CFM 175	6	EA	\$139	\$140	\$ 1,534
199		A,Ceiling Supply Diffuser, 8" Dia, CFM 200	6	EA	\$151	\$160	\$ 1,863

200		A,Ceiling Supply Diffuser, 8" Dia, CFM 450	1	EA	\$104	\$360	\$ 232
201		B,Supply Grille, 10X8, CFM 200	1	EA	\$174	\$160	\$ 167
202		B,Supply Grille, 28X5, CFM 330	3	EA	\$151	\$264	\$ 1,036
203		B,Supply Grille, 6X4, CFM50	11	EA	\$104	\$40	\$ 1,514
204		B,Supply Grille, 6X6, CFM 75	1	EA	\$127	\$60	\$ 94
205	M-001	B,Supply Grille, 10X8, CFM 200	1	EA	\$148	\$160	\$ 154
206	TO	C,Ceiling Supply Diffuser, 4" Dia, CFM 35	10	EA	\$104	\$28	\$ 1,322
207	M-501	C,Ceiling Supply Diffuser, 4" Dia, CFM 30	12	EA	\$81	\$24	\$ 1,208
208		C,Ceiling Supply Diffuser, 4" Dia, CFM 40	3	EA	\$104	\$32	\$ 341
209		D, Ceiling Return Grille, 12" Dia, CFM 485	3	EA	\$152	\$388	\$ 1,349
210		D, Ceiling Return Grille, 14" Dia, CFM 530	3	EA	\$126	\$424	\$ 1,376
211		D,Ceiling Return Grille, 6" Dia, CFM 90	7	EA	\$151	\$72	\$ 1,447
212		D, Ceiling Return Grille, 22X22	5	EA	\$104	\$150	\$ 1,144
213		E, Ceiling Exhaust Grille, 4" Dia, CFM 35	5	EA	\$127	\$28	\$ 699
214		E, Ceiling Exhaust Grille, 4" Dia, CFM 25	8	EA	\$110	\$20	\$ 975
215		E, Ceiling Exhaust Grille, 4" Dia, CFM 30	4	EA	\$152	\$24	\$ 703
216		F, Ceiling Supply Diffuser,6" Dia, CFM 75	1	EA	\$127	\$60	\$ 187
217		F, Ceiling Supply Diffuser,6" Dia, CFM 100	1	EA	\$151	\$80	\$ 115
218		F, Ceiling Supply Diffuser,8" Dia, CFM 150	1	EA	\$111	\$120	\$ 116
219		F, Ceiling Supply Diffuser,10" Dia, CFM 325	1	EA	\$153	\$260	\$ 413
220		G, Return Grille , 6X4, CFM 75	1	EA	\$104	\$60	\$ 82
221		G, Return Grille , 66X4	3	EA	\$127	\$25	\$ 381
222		G, Return Grille , 610X8	1	EA	\$148	\$35	\$ 183
223		H, Exhaust Grille, 8" Dia	1	EA	\$149	\$26	\$ 175
224		H, Exhaust Grille, 10X10	1	EA	\$129	\$16	\$ 72
225		H, Exhaust Grille, 6" Dia, CFM 70	1	EA	\$151	\$56	\$ 207
226		H, Exhaust Grille, 8" Dia, CFM 210	1	EA	\$111	\$168	\$ 279
227		I, Linear Slot Diffuser, 8" Dia, CFM 150	2	EA	\$151	\$120	\$ 406
		<b>Louvers</b>					
228	M-001	8'-0"W x 2'-2"H PTAC Louver at windows	60	EA	\$463	\$589	\$ 63,132
229	TO	3'-0"W x 1'-4"H Louver	1	EA	\$347	\$225	\$ 286
230	M-501	1'-8"W x 1'-4"H Louver	2	EA	\$278	\$155	\$ 649
231		4'-0"W x 1'-4"H Louver	3	EA	\$371	\$355	\$ 1,814
232		2'-6"W x 1'-4"H Louver	2	EA	\$347	\$305	\$ 979
		<b>Dampers</b>					
233	M-001	Motorized Damper	5	EA	\$81	\$70	\$ 680
234	TO	Fire Damper	20	EA	\$59	\$63	\$ 2,427
235		Volume Damper	5	EA	\$81		\$ 365



262	P-LT-205: Medium pendant at media Center	2	EA	\$82	\$66	\$	296
263	P-LT-206: Smedium pendant at media Center	1	EA	\$69	\$86	\$	154
264	P-LT-207: Small pendant at media Center	2	EA	\$82	\$70	\$	304
265	P-LT-208: XSmall pendant at media Center	1	EA	\$67	\$75	\$	142
266	P-LT-210: Corridor Wall Sconce	12	EA	\$82	\$99	\$	2,171
267	P-LT-212: Large Cylindrical Pendant At Bar	13	EA	\$39	\$44	\$	1,076
268	P-LT-213: Small Cylindrical Pendant At Bar	16	EA	\$53	\$54	\$	1,719
269	P-LT-214: Mini Cylindrical Pendant At Bar	14	EA	\$53	\$58	\$	1,560





	PROJECTED COST		\$	1,545,373
	OVERHEAD	25%	\$	386,343
	CONTIGENCY	7%	\$	108,176
	INSURANCE	5%	\$	77,269

<b>SUGGESTED BID</b>			\$	<b>2,117,161</b>
<u>Notes:</u>				