

TAKEOFF & COST ESTIMATE										
 Federal Estimation Drafting & Engineering Services			Job Name: Address: Date:							
SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
GENERAL REQUIREMENTS										
1	Permit (.07% of project value)	0	fee	0%	0.00			\$ -	\$ -	
2	Site development	0	fee	0%	0.00			\$ -	\$ -	
3	Other fees	0	fee	0%	0.00			\$ -	\$ -	
4	Variance	0	fee	0%	0.00			\$ -	\$ -	
5	Expediter	0	fee	0%	0.00			\$ -	\$ -	
6	Private inspections	0	fee	0%	0.00			\$ -	\$ -	
7	Recompense (city of Atl)	0	tree	0%	0.00			\$ -	\$ -	
8	Prints	0	ea	0%	0.00			\$ -	\$ -	
9	Silt fence	0	LM	0%	0.00			\$ -	\$ -	
10	Tree protection	0	LM	0%	0.00			\$ -	\$ -	
11	Start up	0	e	0%	0.00			\$ -	\$ -	
12	Cover/protect	0	ea	0%	0.00			\$ -	\$ -	
13	Cover/protect materials	0	ea	0%	0.00			\$ -	\$ -	
14	Scaffolding	34777	SF	0%	34777.00	\$ 0.60	\$ 1.50	\$ 2.10	\$ 73,031.70	
15	Allowance For Domestic Water Extension As Per Addendum#1	1	EA	0%	1.00			\$ 200,000.00	\$ 200,000.00	
16	Dumpster	0	units	0%	0.00			\$ -	\$ -	
17	Portolet	0	mo	0%	0.00			\$ -	\$ -	
18	Site cleaning	518740	Sf	0%	518740.00	\$ 0.40	\$ -	\$ 0.40	\$ 207,496.00	
19	Architecture	0	Fee	0%	0.00			\$ -	\$ -	
20	Structural engineering	0	Fee	0%	0.00			\$ -	\$ -	
21	Boundary survey	0	Fee	0%	0.00			\$ -	\$ -	
22	Topography	0	Fee	0%	0.00			\$ -	\$ -	
23	Tree locations	0	Fee	0%	0.00			\$ -	\$ -	
24	Site plan	0	Fee	0%	0.00			\$ -	\$ -	
									Sub Total	\$480,528
EXISTING CONDITION										
	Site Improvements									
	Demolition									
25	Remove Asphlat Pavement	35253	SF	0%	35253.00	\$ 1.60	\$ -	\$ 1.60	\$ 56,404.80	
26	Remove Curbs and Gutters	1261	LF	0%	1261.00	\$ 7.34	\$ -	\$ 7.34	\$ 9,255.74	
27	Sawcut	954	LF	0%	954.00	\$ 2.20	\$ -	\$ 2.20	\$ 2,098.80	
28	Remove Headwall & Connect to 30" Irrigation	2	EA	0%	2.00	\$ 250.00	\$ -	\$ 250.00	\$ 500.00	
29	Remove Irrigation System	1	EA	0%	1.00	\$ 1,200.00	\$ -	\$ 1,200.00	\$ 1,200.00	
	Proposed									
30	(30".Dia) Irrigation Pipe	926	LF	0%	926.00	\$ 70.00	\$ 76.00	\$ 146.00	\$ 135,196.00	
	Site									
31	Sawcut '1' -Match Existing AC Pavement	891	LF	0%	891.43	\$ 3.30	\$ -	\$ 3.30	\$ 2,941.72	
32	Sawcut '2' -Match Existing Concrete	359	LF	0%	359.25	\$ 3.30	\$ -	\$ 3.30	\$ 1,185.53	
33	Sawcut '3' -Remove Existing Sidewalk	157	LF	0%	156.93	\$ 3.30	\$ -	\$ 3.30	\$ 517.87	
	Ground Preparation									
34	Prepare Building Subgrade per Geotechnical Report '4' -Project. No: 230079SA	64947	SF	0%	64947.40	\$ 0.50	\$ -	\$ 0.50	\$ 32,473.70	
35	Concrete Splash Block '22'	2	EA	0%	2.00	\$ 190.00	\$ 480.00	\$ 670.00	\$ 1,340.00	
36	Concrete Scupper '27' -Per M.A.G STD. DTL. No. 206-1, 206-2, & 206-3	1	EA	0%	1.00	\$ 180.00	\$ 466.00	\$ 646.00	\$ 646.00	
	Pavement									
37	(9") Concrete Pavement '5' -Scarified & Recompaction Soil Per Geotechnical Report	300026	SF	0%	300025.87	\$ 3.54	\$ 9.30	\$ 12.84	\$ 3,852,332.17	
38	(5") Asphaltic Concrete Pavement '6' -(8") Aggregate Base Course Mat per MAG SEC 702 -Scarified & Recompaction Soil Per Geotechnical Report	19655	SF	0%	19654.67	\$ 3.20	\$ 7.36	\$ 10.56	\$ 207,553.32	
	Curb & Gutter									
39	Type 'A' Concrete Curb & Gutter '7' -Details Per MAG STD. DTL.NO. 220.1	4221	LF	0%	4221.17	\$ 16.30	\$ 7.84	\$ 24.14	\$ 101,899.04	
40	Type 'A' Single Concrete Curb '8' -Details Per MAG STD. DTL.NO. 222	4047	LF	0%	4046.96	\$ 16.30	\$ 7.84	\$ 24.14	\$ 97,693.61	
41	(3') Wide Concrete Valley Gutter '13'	574	LF	0%	574.04	\$ 20.90	\$ 14.60	\$ 35.50	\$ 20,378.42	
42	Curb Opening '14' -Opening w/ Rip-Rap Spillway	14	EA	0%	14.00	\$ 70.00	\$ 150.00	\$ 220.00	\$ 3,080.00	
43	Transitional Curbs '15' -(0" To 6") Transition Per M.A.G STD. DTL. 222	4	EA	0%	4.00	\$ 80.00	\$ 195.00	\$ 275.00	\$ 1,100.00	
44	Curb-O-Let '23' -Attach w/ New Roof Drain -Round to Rectangular Strianght Pipe	5	EA	0%	5.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 2,600.00	
45	Curb-O-Let '24' -Hub Pipe -Cp-SP302H or Approved Equal -H-20 Wheel Loading Should be Confirmed By Contractor	155	LF	0%	154.64	\$ 16.30	\$ 7.84	\$ 24.14	\$ 3,733.01	
46	Curb-O-Let '25' -Curb Outlet -TCD35-NS or Approved Equal	192	LF	0%	192.19	\$ 16.30	\$ 7.84	\$ 24.14	\$ 4,639.47	
47	Curb-O-Let '26' -(45") Elbow CP-SP455 or Approved Equal	2	EA	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
	Sidewalk									
48	Concrete Sidewalk '9' --Details Per MAG STD. DTL.NO. 230	5738	SF	0%	5738.48	\$ 3.20	\$ 7.36	\$ 10.56	\$ 60,598.35	
49	Sidewalk Access Ramp '10' - 6' x 5' Scored Concrete -(6" To 0") Transition Curb Each Side	2	EA	0%	2.00	\$ 220.00	\$ 650.00	\$ 870.00	\$ 1,740.00	
50	Sidewalk Access Ramp '11' - 6' x 5' Scored Concrete -(6") Curb Each Side	5	EA	0%	5.00	\$ 220.00	\$ 650.00	\$ 870.00	\$ 4,350.00	
51	Sidewalk Access Ramp '12' - (36") Landing at Top Of Ramp per 2010 ADA Sec. 406.4 -(6") Curb @ Top	1	EA	0%	1.00	\$ 180.00	\$ 512.00	\$ 692.00	\$ 692.00	
	Driveway									
52	Driveway '17' -(10") Thick Fiber Reinforced Concrete -(6") Parallel Curb -Modified M.A.G STD. DTL. No. 251	4223	SF	0%	4223.23	\$ 6.55	\$ 14.86	\$ 21.41	\$ 90,419.35	
53	4'-0" Block Wall Opening '20'	2	EA	0%	2.00	\$ 180.00	\$ 520.00	\$ 700.00	\$ 1,400.00	
	Entrance Gate									
54	(24'-0" Wide) Entrance Gate '21' -Equipped w/ Tomar Automatic Opening Device -Equippied w/ Knox Key Switches per City fire Dep Requirement	1	EA	0%	1.00	\$ 1,630.00	\$ 4,860.00	\$ 6,490.00	\$ 6,490.00	
55	(30'-0" Wide) Entrance Gate '21' -Equipped w/ Tomar Automatic Opening Device -Equipped w/ Knox Key Switches per City fire Dep Requirement	1	EA	0%	1.00	\$ 2,036.00	\$ 5,975.00	\$ 8,011.00	\$ 8,011.00	
56	(26'-0" Wide) Entrance Gate '21' -Equipped w/ Tomar Automatic Opening Device -Equippied w/ Knox Key Switches per City fire Dep Requirement	1	EA	0%	1.00	\$ 1,780.00	\$ 5,110.00	\$ 6,890.00	\$ 6,890.00	
57	(60'-0" Wide) Entrance Gate '21' -Equipped w/ Tomar Automatic Opening Device -Equippied w/ Knox Key Switches per City fire Dep Requirement	1	EA	0%	1.00	\$ 5,025.00	\$ 14,650.00	\$ 19,675.00	\$ 19,675.00	
58	(33'-0" Wide) Entrance Gate '21' -Equipped w/ Tomar Automatic Opening Device -Equippied w/ Knox Key Switches per City fire Dep Requirement	1	EA	0%	1.00	\$ 2,215.00	\$ 6,430.00	\$ 8,645.00	\$ 8,645.00	
59	(21'-6" Wide) Entrance Gate '21' -Equipped w/ Tomar Automatic Opening Device -Equippied w/ Knox Key Switches per City fire Dep Requirement	1	EA	0%	1.00	\$ 1,575.00	\$ 4,215.00	\$ 5,790.00	\$ 5,790.00	
	Catch Basin									
60	(18" x 18" x 24") Catch Basin w/ Sump Pump '29' -Modified M.A.G. STD. DTL. 535 -(1") Dia Discharge Pipe _ Flexible Discharge Pipe	2	EA	0%	2.00	\$ 150.00	\$ 390.00	\$ 540.00	\$ 1,080.00	
61	Submersible Sump Grinder Pump -Operating Point: 20 GPM at 8.2 Feet Total Head	2	EA	0%	2.00	\$ 1,060.00	\$ 2,460.00	\$ 3,520.00	\$ 7,040.00	
	Storm Drain									

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62	HDPE Storm Drain '1'	642	LF	0%	642.11	\$ 50.00	\$ 44.00	\$ 94.00	\$ 60,358.34	
63	Storm Drain Mainhole '2' -Per M.A.G STD. DTL. No. 520 & 522	1	EA	0%	1.00	\$ 1,120.00	\$ 3,260.00	\$ 4,380.00	\$ 4,380.00	
64	U Typ Headwall '4' - Per M.A.G STD. DTL. No. 501-1 -Rip Rap at Outlet	3	EA	0%	3.00	\$ 250.00	\$ 600.00	\$ 850.00	\$ 2,550.00	
	Guard Rail									
65	(1-1/2") Dia STL Tube Guardrail Wrought Iron View Fence	192	LF	0%	192.00	\$ 18.00	\$ 44.00	\$ 62.00	\$ 11,904.00	
66	(2" x 2" x 6') Tube Steel Post w/ Flush Cap @ 6" O.C	2184	EA	0%	2184.00	\$ 18.00	\$ 58.00	\$ 76.00	\$ 165,984.00	
67	(2" x 2" x 4'-4") Tube Steel Post w/ Flush Cap @ 6" O.C	636	EA	0%	636.00	\$ 16.00	\$ 45.00	\$ 61.00	\$ 38,796.00	
68	1.5" x 1.5" Tube Steel Rails	2694	LF	0%	2694.00	\$ 5.12	\$ 12.60	\$ 17.72	\$ 47,737.68	
69	.75" x .75" Tube Steel Pickets	828	EA	0%	828.00	\$ 8.00	\$ 24.00	\$ 32.00	\$ 26,496.00	
	Signage									
70	Dual Volvo Mack 25' Pylon Sign	2	EA	0%	2.00	\$ 720.00	\$ 1,860.00	\$ 2,580.00	\$ 5,160.00	
71	Truck Display	1	EA	0%	1.00	\$ 140.00	\$ 420.00	\$ 560.00	\$ 560.00	
72	Development Sign	1	EA	0%	1.00	\$ 125.00	\$ 350.00	\$ 475.00	\$ 475.00	
73	Vanguard Mounment Sign	2	EA	0%	2.00	\$ 160.00	\$ 590.00	\$ 750.00	\$ 1,500.00	
74	ADA Sign	3	EA	0%	3.00	\$ 100.00	\$ 256.00	\$ 356.00	\$ 1,068.00	
	Wheel Stoooper									
75	Wheel Stoooper -(3/4") Pipe (14") Long -(2) #3 Rebar (686 EA)	343	EA	0%	343.00	\$ 50.00	\$ 135.00	\$ 185.00	\$ 63,455.00	
	Miscellaneous									
76	EV Charging Points	2	EA	0%	2.00	\$ 1,500.00	\$ 4,000.00	\$ 5,500.00	\$ 11,000.00	
	Landscape									
	Trees									
77	Chitalpa tashkentensis -Size: (15) Gallon	23	EA	0%	23.00	\$ 184.00	\$ 736.00	\$ 920.00	\$ 21,160.00	
78	Chitalpa -Size: (24") Box	16	EA	0%	16.00	\$ 130.00	\$ 520.00	\$ 650.00	\$ 10,400.00	
79	Olea europaea 'Swan Hill' Swan Hill Olive -Size: (24") Box	12	EA	0%	12.00	\$ 142.00	\$ 566.00	\$ 708.00	\$ 8,496.00	
80	Corymbia papuana Ghost Gum Eucalyptus -Size: (24") Box	9	EA	0%	9.00	\$ 148.00	\$ 590.00	\$ 738.00	\$ 6,642.00	
81	Pistacia chinensis "Red Push" Red Push Pistache -Size: (24") Box	12	EA	0%	12.00	\$ 155.00	\$ 618.00	\$ 773.00	\$ 9,276.00	
82	Ulmus parvifolia Evergreen Elm -Size: (24") Box	28	EA	0%	28.00	\$ 159.00	\$ 636.00	\$ 795.00	\$ 22,260.00	
83	Sophora secundiflora 'Silver Peso' * Texas Mountain Laurel 'Silver Peso' -Size: (5) Gallon	25	EA	0%	25.00	\$ 148.00	\$ 590.00	\$ 738.00	\$ 18,450.00	
	Accents, grasses & Cacti									
84	Agave Americana 'Marginata' Variegated American Century Plant -Size: (5) Gallon	32	EA	0%	32.00	\$ 51.00	\$ 204.00	\$ 255.00	\$ 8,160.00	
85	Hesperaloe funifera Giant Hesperaloe -Size: (5) Gallon	41	EA	0%	41.00	\$ 55.00	\$ 220.00	\$ 275.00	\$ 11,275.00	
86	Euphorbia tirucalli 'Fire Sticks' Fire Sticks -Size: (5) Gallon	8	EA	0%	8.00	\$ 64.00	\$ 256.00	\$ 320.00	\$ 2,560.00	
87	Dasylyron wheeleri Desert Spoon -Size: (5) Gallon	44	EA	0%	44.00	\$ 55.00	\$ 218.00	\$ 273.00	\$ 12,012.00	
88	Hesperaloe parviflora Red Yucca -Size: (5) Gallon	53	EA	0%	53.00	\$ 58.00	\$ 230.00	\$ 288.00	\$ 15,264.00	
89	Muhlenbergia capillaris 'Regal Mist' -Size: (5) Gallon	95	EA	0%	95.00	\$ 56.00	\$ 222.00	\$ 278.00	\$ 26,410.00	
90	Aloe Barbendensis Aloe - Yellow Bloom -Size: (5) Gallon	32	EA	0%	32.00	\$ 53.00	\$ 210.00	\$ 263.00	\$ 8,416.00	
91	Asclepias subulata Desert Milkweed -Size: (5) Gallon	8	EA	0%	8.00	\$ 59.00	\$ 234.00	\$ 293.00	\$ 2,344.00	
	Shrubs									
92	Calliandra californica Red Fairy Duster -Size: (5) Gallon	14	EA	0%	14.00	\$ 34.00	\$ 136.00	\$ 170.00	\$ 2,380.00	
93	Senna nemophila Green Cassia -Size: (5) Gallon	31	EA	0%	31.00	\$ 35.00	\$ 140.00	\$ 175.00	\$ 5,425.00	
94	Dodonea viscosa Hop Bush -Size: (5) Gallon	46	EA	0%	46.00	\$ 36.00	\$ 142.00	\$ 178.00	\$ 8,188.00	
95	Caesalpinia pulcherrima Red Bird of Paradise -Size: (5) Gallon	22	EA	0%	22.00	\$ 38.00	\$ 150.00	\$ 188.00	\$ 4,136.00	
96	Bougainvillea sp 'Torch Glow' Bougainvillea -Size: (5) Gallon	20	EA	0%	20.00	\$ 36.00	\$ 145.00	\$ 181.00	\$ 3,620.00	
97	Leucophyllum frutescens 'Green Cloud' -Size: (5) Gallon	115	EA	0%	115.00	\$ 34.00	\$ 136.00	\$ 170.00	\$ 19,550.00	
98	Leucophyllum candidum 'Silver Cloud' -Size: (5) Gallon	17	EA	0%	17.00	\$ 35.00	\$ 140.00	\$ 175.00	\$ 2,975.00	
99	Nerium Oleander 'Petite Red' -Size: (5) Gallon	59	EA	0%	59.00	\$ 38.00	\$ 150.00	\$ 188.00	\$ 11,092.00	
100	Tecoma stans "Yellow Bells" -Size: (5) Gallon	83	EA	0%	83.00	\$ 36.00	\$ 145.00	\$ 181.00	\$ 15,023.00	
	Ground Cover									
101	Lantana 'New Gold' * -Size: (1) Gallon	74	EA	0%	74.00	\$ 28.00	\$ 112.00	\$ 140.00	\$ 10,360.00	
102	Lantana 'Trailing Purple' -Size: (1) Gallon	46	EA	0%	46.00	\$ 27.00	\$ 106.00	\$ 133.00	\$ 6,118.00	
103	Callistemon viminalis 'Little John' * -Size: (1) Gallon	24	EA	0%	24.00	\$ 31.00	\$ 125.00	\$ 156.00	\$ 3,744.00	
	Rock Mulch									
104	1/2" Screened, Carmel by RockProsUSA 2" Deep in all Landscape Areas	132778	SF	0%	132778.00	\$ 0.40	\$ 1.28	\$ 1.68	\$ 223,067.04	
	Grass									
105	Grass Area	120365	SF	0%	120365.00	\$ 0.35	\$ 1.12	\$ 1.47	\$ 176,936.55	
Sub Total										\$5,879,794
CONCRETE										
	Foundation Concrete									
	(2'-0" x 1'-0") Continuous Footing '5/S301'									
106	Concrete	53	CY	0%	53.33	\$ 245.00	\$ 330.00	\$ 575.00	\$ 30,666.67	
107	(#5 Bar) Longitudinal	2478	LB	0%	2478.17	\$ 0.30	\$ 1.25	\$ 1.55	\$ 3,841.16	
108	(#5 Bar @ 12" O.C) Transverse	1239	LB	0%	1239.08	\$ 0.30	\$ 1.25	\$ 1.55	\$ 1,920.58	
109	Excavation	80	CY	0%	80.00	\$ 25.00	\$ -	\$ 25.00	\$ 2,000.00	
110	Backfill	27	CY	0%	26.67	\$ 32.00	\$ -	\$ 32.00	\$ 853.33	
111	Formwork	1440	SFCA	0%	1440.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 7,545.60	
	(1'-0" x 1'-0") CMU Wall Continuous Footing									
112	Concrete	73	CY	0%	73.04	\$ 245.00	\$ 330.00	\$ 575.00	\$ 41,996.30	
113	(#5 Bar) Longitudinal	2262	LB	0%	2262.48	\$ 0.30	\$ 1.25	\$ 1.55	\$ 3,506.84	
114	Excavation	110	CY	0%	109.56	\$ 25.00	\$ -	\$ 25.00	\$ 2,738.89	
115	Backfill	37	CY	0%	36.52	\$ 32.00	\$ -	\$ 32.00	\$ 1,168.59	
116	Formwork	3944	SFCA	0%	3944.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 20,666.56	
	(5'-0" x 1'-6") Continuous Footing '5/S302'									
117	Concrete	43	CY	0%	43.06	\$ 245.00	\$ 330.00	\$ 575.00	\$ 24,756.94	
118	(#5 Bar @ 12" O.C) Longitudinal T&B	3075	LB	0%	3075.14	\$ 0.30	\$ 1.25	\$ 1.55	\$ 4,766.46	
119	(#6 Bar @ 12" O.C) Transverse T&B	2306	LB	0%	2306.35	\$ 0.30	\$ 1.25	\$ 1.55	\$ 3,574.85	
120	Excavation	52	CY	0%	51.67	\$ 25.00	\$ -	\$ 25.00	\$ 1,291.67	
121	Backfill	9	CY	0%	8.61	\$ 32.00	\$ -	\$ 32.00	\$ 275.56	
122	Formwork	465	SFCA	0%	465.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 2,436.60	
	(3'-0" x 1'-4) Continuous Footing '9/S302'									
123	Concrete	23	CY	0%	22.61	\$ 245.00	\$ 330.00	\$ 575.00	\$ 13,000.75	
124	(#5 Bar @ 12" O.C) Longitudinal	698	LB	0%	697.56	\$ 0.30	\$ 1.25	\$ 1.55	\$ 1,081.22	
125	(#5 Bar @ 12" O.C) Transverse	439	LB	0%	438.84	\$ 0.30	\$ 1.25	\$ 1.55	\$ 680.21	
126	Excavation	30	CY	0%	30.15	\$ 25.00	\$ -	\$ 25.00	\$ 753.67	
127	Backfill	8	CY	0%	7.54	\$ 32.00	\$ -	\$ 32.00	\$ 241.17	
128	Formwork	407	SFCA	0%	406.98	\$ 3.92	\$ 1.32	\$ 5.24	\$ 2,132.58	
	Light Pole Footing 'K/AS101'									
129	Concrete	81	CY	0%	80.89	\$ 245.00	\$ 330.00	\$ 575.00	\$ 46,511.11	

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130	(#6 Bar) Vertical	4924	LB	0%	4923.83	\$ 0.30	\$ 1.25	\$ 1.55	\$ 7,631.93	
131	(#3 Bar @ 12" O.C) Ties	1614	LB	0%	1614.41	\$ 0.30	\$ 1.25	\$ 1.55	\$ 2,502.34	
132	Excavation	130	CY	0%	130.00	\$ 25.00	\$ -	\$ 25.00	\$ 3,250.00	
133	Backfill	14	CY	0%	14.44	\$ 32.00	\$ -	\$ 32.00	\$ 462.22	
134	Formwork	4368	SFCA	0%	4368.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 22,888.32	
	Flag Pole Footing (J/AS101)									
135	Concrete	1	CY	0%	1.12	\$ 245.00	\$ 330.00	\$ 575.00	\$ 644.21	
136	Excavation	2	CY	0%	2.00	\$ 25.00	\$ -	\$ 25.00	\$ 50.00	
137	Backfill	1	CY	0%	1.00	\$ 32.00	\$ -	\$ 32.00	\$ 32.00	
138	Formwork	22	SFCA	0%	22.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 115.28	
	Bollard (H/AS101)									
139	Concrete	4	CY	0%	3.57	\$ 245.00	\$ 330.00	\$ 575.00	\$ 2,051.26	
140	Excavation	6	CY	0%	6.00	\$ 25.00	\$ -	\$ 25.00	\$ 150.00	
141	Backfill	2	CY	0%	2.43	\$ 32.00	\$ -	\$ 32.00	\$ 77.84	
142	Formwork	361	SFCA	0%	361.20	\$ 3.92	\$ 1.32	\$ 5.24	\$ 1,892.69	
	Pipe Rail FenceFooting (M/AS101)									
143	Concrete	30	CY	0%	30.33	\$ 245.00	\$ 330.00	\$ 575.00	\$ 17,441.67	
144	Excavation	41	CY	0%	41.44	\$ 25.00	\$ -	\$ 25.00	\$ 1,036.11	
145	Backfill	11	CY	0%	11.11	\$ 32.00	\$ -	\$ 32.00	\$ 355.56	
146	Formwork	1638	SFCA	0%	1638.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 8,583.12	
	Step Footing '3/S302'									
147	Concrete	1	CY	0%	0.57	\$ 245.00	\$ 330.00	\$ 575.00	\$ 327.59	
148	(#5 Bar) Longitudinal	186	LB	0%	185.77	\$ 0.30	\$ 1.25	\$ 1.55	\$ 287.94	
149	(#4 Bar @ 12" O.C) Ties	63	LB	0%	63.19	\$ 0.30	\$ 1.25	\$ 1.55	\$ 97.95	
150	(#4 Bar @ 12" O.C) Dowel	140	LB	0%	139.75	\$ 0.30	\$ 1.25	\$ 1.55	\$ 216.61	
151	Excavation	2	CY	0%	2.00	\$ 25.00	\$ -	\$ 25.00	\$ 50.00	
152	Backfill	1	CY	0%	1.00	\$ 32.00	\$ -	\$ 32.00	\$ 32.00	
153	Formwork	32	SFCA	0%	32.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 167.68	
	Stem Wall '4/S302'									
154	Concrete	10	CY	0%	9.63	\$ 245.00	\$ 330.00	\$ 575.00	\$ 5,537.04	
155	(#5 Bar) Longitudinal	149	LB	0%	149.15	\$ 0.30	\$ 1.25	\$ 1.55	\$ 231.18	
156	(#5 Bar @ 12" O.C) Transverse	597	LB	0%	596.60	\$ 0.30	\$ 1.25	\$ 1.55	\$ 924.72	
157	(#3 Bar @ 12" O.C) Dowel	144	LB	0%	144.14	\$ 0.30	\$ 1.25	\$ 1.55	\$ 223.42	
158	Excavation	14	CY	0%	13.89	\$ 25.00	\$ -	\$ 25.00	\$ 347.22	
159	Backfill	4	CY	0%	4.26	\$ 32.00	\$ -	\$ 32.00	\$ 136.30	
160	Formwork	260	SFCA	0%	260.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 1,362.40	
	Stem Wall w/ Thicken Edge '8/S301'									
161	Concrete	8	CY	0%	7.56	\$ 245.00	\$ 330.00	\$ 575.00	\$ 4,344.44	
162	(#3x52" Bar @ 12" O.C) Dowel	302	LB	0%	301.59	\$ 0.30	\$ 1.25	\$ 1.55	\$ 467.47	
163	Excavation	10	CY	0%	10.28	\$ 25.00	\$ -	\$ 25.00	\$ 256.89	
164	Backfill	3	CY	0%	2.72	\$ 32.00	\$ -	\$ 32.00	\$ 87.04	
165	Formwork	273	SFCA	0%	272.54	\$ 3.92	\$ 1.32	\$ 5.24	\$ 1,428.13	
	Stem Wall w/ Thicken Edge '6/S301'									
166	Concrete	14	CY	0%	13.79	\$ 245.00	\$ 330.00	\$ 575.00	\$ 7,927.33	
167	(#3x52" Bar @ 12" O.C) Dowel	229	LB	0%	229.30	\$ 0.30	\$ 1.25	\$ 1.55	\$ 355.41	
168	Excavation	21	CY	0%	20.89	\$ 25.00	\$ -	\$ 25.00	\$ 522.22	
169	Backfill	7	CY	0%	7.10	\$ 32.00	\$ -	\$ 32.00	\$ 227.27	
170	Formwork	282	SFCA	0%	282.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 1,477.68	
	Stem Wall w/ Thicken Edge '5/S301'									
171	Concrete	15	CY	0%	15.35	\$ 245.00	\$ 330.00	\$ 575.00	\$ 8,825.19	
172	(#3x52" Bar @ 12" O.C) Dowel	364	LB	0%	364.28	\$ 0.30	\$ 1.25	\$ 1.55	\$ 564.63	
173	Excavation	19	CY	0%	19.00	\$ 25.00	\$ -	\$ 25.00	\$ 474.96	
174	Backfill	4	CY	0%	3.65	\$ 32.00	\$ -	\$ 32.00	\$ 116.81	
175	Formwork	448	SFCA	0%	448.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 2,347.52	
	Stem Wall w/ Thicken Edge '14/S301'									
176	Concrete	7	CY	0%	7.04	\$ 245.00	\$ 330.00	\$ 575.00	\$ 4,048.00	
177	(#3x52" Bar @ 12" O.C) Dowel	117	LB	0%	117.09	\$ 0.30	\$ 1.25	\$ 1.55	\$ 181.49	
178	Excavation	11	CY	0%	10.67	\$ 25.00	\$ -	\$ 25.00	\$ 266.67	
179	Backfill	4	CY	0%	3.63	\$ 32.00	\$ -	\$ 32.00	\$ 116.05	
180	Formwork	144	SFCA	0%	144.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 754.56	
	Stem Wall w/ Thicken Edge '10/S301'									
181	Concrete	12	CY	0%	11.78	\$ 245.00	\$ 330.00	\$ 575.00	\$ 6,772.22	
182	(#3x52" Bar @ 12" O.C) Dowel	517	LB	0%	517.14	\$ 0.30	\$ 1.25	\$ 1.55	\$ 801.57	
183	Excavation	16	CY	0%	16.02	\$ 25.00	\$ -	\$ 25.00	\$ 400.44	
184	Backfill	4	CY	0%	4.24	\$ 32.00	\$ -	\$ 32.00	\$ 135.68	
185	Formwork	425	SFCA	0%	424.85	\$ 3.92	\$ 1.32	\$ 5.24	\$ 2,226.20	
	2'-6" x 0'-8" Stem Wall '1/S302'									
186	Concrete	19	CY	0%	19.05	\$ 245.00	\$ 330.00	\$ 575.00	\$ 10,953.96	
187	(#5 Bar @ 12" O.C) Dowel	2474	LB	0%	2473.58	\$ 0.30	\$ 1.25	\$ 1.55	\$ 3,834.05	
188	(#5 Bar @ 12" O.C) EW	1767	LB	0%	1766.84	\$ 0.30	\$ 1.25	\$ 1.55	\$ 2,738.61	
189	Excavation	86	CY	0%	85.56	\$ 25.00	\$ -	\$ 25.00	\$ 2,138.89	
190	Backfill	67	CY	0%	66.51	\$ 32.00	\$ -	\$ 32.00	\$ 2,128.17	
191	Formwork	1540	SFCA	0%	1540.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 8,069.60	
	F3 Spot Footing									
192	Concrete	15	CY	0%	15.00	\$ 245.00	\$ 330.00	\$ 575.00	\$ 8,625.00	
193	(3#5 Bar) EW T&B	1239	LB	0%	1239.08	\$ 0.30	\$ 1.25	\$ 1.55	\$ 1,920.58	
194	Excavation	44	CY	0%	44.44	\$ 25.00	\$ -	\$ 25.00	\$ 1,111.11	
195	Backfill	29	CY	0%	29.44	\$ 32.00	\$ -	\$ 32.00	\$ 942.22	
196	Formwork	540	SFCA	0%	540.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 2,829.60	
	F4 Spot Footing									
197	Concrete	21	CY	0%	21.33	\$ 245.00	\$ 330.00	\$ 575.00	\$ 12,266.67	
198	(4#6 Bar) EW T&B	2539	LB	0%	2539.47	\$ 0.30	\$ 1.25	\$ 1.55	\$ 3,936.18	
199	Excavation	56	CY	0%	55.56	\$ 25.00	\$ -	\$ 25.00	\$ 1,388.89	
200	Backfill	34	CY	0%	34.22	\$ 32.00	\$ -	\$ 32.00	\$ 1,095.11	
201	Formwork	576	SFCA	0%	576.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 3,018.24	
	F5 Spot Footing									
202	Concrete	22	CY	0%	22.22	\$ 245.00	\$ 330.00	\$ 575.00	\$ 12,777.78	
203	(7#7 Bar) EW T&B	5036	LB	0%	5036.42	\$ 0.30	\$ 1.25	\$ 1.55	\$ 7,806.44	
204	Excavation	53	CY	0%	53.33	\$ 25.00	\$ -	\$ 25.00	\$ 1,333.33	
205	Backfill	31	CY	0%	31.11	\$ 32.00	\$ -	\$ 32.00	\$ 995.56	
206	Formwork	480	SFCA	0%	480.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 2,515.20	
	F6 Spot Footing									
207	Concrete	120	CY	0%	120.00	\$ 245.00	\$ 330.00	\$ 575.00	\$ 69,000.00	
208	(7#7 Bar) EW T&B	22664	LB	0%	22663.87	\$ 0.30	\$ 1.25	\$ 1.55	\$ 35,129.00	
209	Excavation	272	CY	0%	272.22	\$ 25.00	\$ -	\$ 25.00	\$ 6,805.56	
210	Backfill	152	CY	0%	152.22	\$ 32.00	\$ -	\$ 32.00	\$ 4,871.11	
211	Formwork	2160	SFCA	0%	2160.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 11,318.40	
	F7 Spot Footing									
212	Concrete	35	CY	0%	35.39	\$ 245.00	\$ 330.00	\$ 575.00	\$ 20,348.61	
213	(8#7 Bar) EW T&B	6547	LB	0%	6547.34	\$ 0.30	\$ 1.25	\$ 1.55	\$ 10,148.38	
214	Excavation	77	CY	0%	77.04	\$ 25.00	\$ -	\$ 25.00	\$ 1,925.93	
215	Backfill	42	CY	0%	41.65	\$ 32.00	\$ -	\$ 32.00	\$ 1,332.74	
216	Formwork	546	SFCA	0%	546.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 2,861.04	
	4" Concrete Slab									
217	Concrete	140	CY	0%	140.13	\$ 245.00	\$ 330.00	\$ 575.00	\$ 80,573.47	
218	Thicken Edge Concrete	28	CY	0%	28.13	\$ 245.00	\$ 330.00	\$ 575.00	\$ 16,174.75	
219	(5 MIL) Class 'A' Vapor Retarded	11464	SF	0%	11464.00	\$ 0.90	\$ 0.36	\$ 1.26	\$ 14,444.64	
220	6" Well Graded Granular Material	11464	SF	0%	11464.00	\$ 0.40	\$ 1.50	\$ 1.90	\$ 21,781.60	
221	(#3 Bar @ 28" O.C) EW	4576	LB	0%	4576.06	\$ 0.30	\$ 1.25	\$ 1.55	\$ 7,092.90	
222	Formwork	169	SFCA	0%	168.63	\$ 3.92	\$ 1.32	\$ 5.24	\$ 883.62	

TAKEOFF & COST ESTIMATE										
FEDES Federal Estimation Drafting & Engineering Services			Job Name: Address: Date:							
SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
	6" Concrete Slab									
223	Concrete	887	CY	0%	886.78	\$ 245.00	\$ 330.00	\$ 575.00	\$ 509,897.22	
224	Thicken Edge Concrete	1039	CY	0%	1038.86	\$ 245.00	\$ 330.00	\$ 575.00	\$ 597,341.63	
225	(5 MIL) Class 'A' Vapor Retarded	47886	SF	0%	47886.00	\$ 0.90	\$ 0.36	\$ 1.26	\$ 60,336.36	
226	6" Well Graded Granular Material	47886	SF	0%	47886.00	\$ 0.40	\$ 1.50	\$ 1.90	\$ 90,983.40	
227	(#5 Bar @ 12" O.C) EW Extra Reinforcement	2177	LB	0%	2176.74	\$ 0.30	\$ 1.25	\$ 1.55	\$ 3,373.95	
228	(#6 Bar @ 12" O.C) Dowel	502	LB	0%	502.00	\$ 0.30	\$ 1.25	\$ 1.55	\$ 778.10	
229	(#3 Bar @ 16" O.C) EW	26547	LB	0%	26547.44	\$ 0.30	\$ 1.25	\$ 1.55	\$ 41,148.54	
230	Formwork	396	SFCA	0%	396.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 2,075.04	
	8" Concrete Slab									
231	Concrete	84	CY	0%	83.52	\$ 245.00	\$ 330.00	\$ 575.00	\$ 48,026.73	
232	Thicken Edge Concrete	3	CY	0%	2.58	\$ 245.00	\$ 330.00	\$ 575.00	\$ 1,483.93	
233	(2#4 Bar) Extra Reinforcement	71	LB	0%	70.81	\$ 0.30	\$ 1.25	\$ 1.55	\$ 109.75	
234	(#4 Bar @ 16" O.C) EW	3721	LB	0%	3721.03	\$ 0.30	\$ 1.25	\$ 1.55	\$ 5,767.59	
235	Formwork	200	SFCA	0%	200.40	\$ 3.92	\$ 1.32	\$ 5.24	\$ 1,050.10	
	Control Joints									
236	(1/4" x 1-1/2") Deep Sawcut 'C.J'	12639	LF	0%	12639.00	\$ 3.66	\$ 1.20	\$ 4.86	\$ 61,425.54	
	6" Waist Slab									
237	Concrete	0.3	CY	0%	0.29	\$ 245.00	\$ 330.00	\$ 575.00	\$ 166.11	
238	(#4 Bar @ 12" O.C) EW	20	LB	0%	20.17	\$ 0.30	\$ 1.25	\$ 1.55	\$ 31.27	
239	(#4 Bar @ 12" O.C) Dowel	18	LB	0%	17.68	\$ 0.30	\$ 1.25	\$ 1.55	\$ 27.40	
240	Formwork	8	SFCA	0%	7.50	\$ 3.92	\$ 1.32	\$ 5.24	\$ 39.30	
	6" Concrete Landing									
241	Concrete	0.4	CY	0%	0.39	\$ 245.00	\$ 330.00	\$ 575.00	\$ 223.61	
242	(#4 Bar @ 12" O.C) EW	28	LB	0%	28.06	\$ 0.30	\$ 1.25	\$ 1.55	\$ 43.49	
243	Formwork	9	SFCA	0%	9.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 47.16	
	(4'-3" x 1'-0") Concrete Steps '6/S302'									
244	Concrete	0.3	CY	0%	0.31	\$ 245.00	\$ 330.00	\$ 575.00	\$ 178.89	
245	Formwork	17	SFCA	0%	16.80	\$ 3.92	\$ 1.32	\$ 5.24	\$ 88.03	
	Concrete Topping @ Metal Stairs									
246	Concrete	0.7	CY	0%	0.73	\$ 245.00	\$ 330.00	\$ 575.00	\$ 421.24	
247	Formwork	18	SFCA	0%	18.40	\$ 3.92	\$ 1.32	\$ 5.24	\$ 96.42	
Sub Total									\$2,164,917	
MASONARY										
	CMU WALL									
	(8") CMU Wall									
248	(8") CMU	4355	SF	0%	4354.71	\$ 12.20	\$ 4.36	\$ 16.56	\$ 72,114.00	
249	(#6) Vert Bar @ 16" O.C	5366	LB	0%	5365.60	\$ 0.30	\$ 1.25	\$ 1.55	\$ 8,316.68	
250	(8") CMU Bond Beam	392	SF	0%	392.12	\$ 16.94	\$ 7.85	\$ 24.79	\$ 9,720.56	
251	(#5) Cont Bar	824	LB	0%	823.56	\$ 0.30	\$ 1.25	\$ 1.55	\$ 1,276.52	
252	Grout	70	CY	0%	70.32	\$ 50.00	\$ 140.00	\$ 190.00	\$ 13,361.44	
253	Mortar	14	CY	0%	13.71	\$ 50.00	\$ 140.00	\$ 190.00	\$ 2,604.76	
	(8") CMU Wall (Coloured CMU - Screen Wall)									
254	(8") CMU	8012	SF	0%	8011.69	\$ 12.20	\$ 4.36	\$ 16.56	\$ 132,673.59	
255	(#6) Vert Bar @ 16" O.C	9881	LB	0%	9881.38	\$ 0.30	\$ 1.25	\$ 1.55	\$ 15,316.14	
256	(8") CMU Bond Beam	730	SF	0%	730.12	\$ 16.94	\$ 7.85	\$ 24.79	\$ 18,099.77	
257	(#5) Cont Bar	1533	LB	0%	1533.48	\$ 0.30	\$ 1.25	\$ 1.55	\$ 2,376.89	
258	Grout	130	CY	0%	129.51	\$ 50.00	\$ 140.00	\$ 190.00	\$ 24,606.59	
259	Mortar	25	CY	0%	25.22	\$ 50.00	\$ 140.00	\$ 190.00	\$ 4,792.18	
	(6") CMU Wall (Coloured CMU - Screen Wall)									
260	(6") CMU	6761	SF	0%	6761.07	\$ 10.77	\$ 3.72	\$ 14.49	\$ 97,967.90	
261	(#6) Vert Bar @ 16" O.C	8306	LB	0%	8306.05	\$ 0.30	\$ 1.25	\$ 1.55	\$ 12,874.38	
262	(6") CMU Bond Beam	800	SF	0%	799.60	\$ 14.20	\$ 5.66	\$ 19.86	\$ 15,879.98	
263	(#5) Cont Bar	1679	LB	0%	1679.39	\$ 0.30	\$ 1.25	\$ 1.55	\$ 2,603.06	
264	Grout	112	CY	0%	112.01	\$ 50.00	\$ 140.00	\$ 190.00	\$ 21,281.87	
265	Mortar	21	CY	0%	21.28	\$ 50.00	\$ 140.00	\$ 190.00	\$ 4,044.12	
Sub Total									\$459,910	
METAL										
	Mezzanine Framing									
	Steel Beams & Joists									
	Beam 2									
266	I-Beam - Detail Not Found For This Framing Type	28	LF	0%	28.00	\$ 30.00	\$ 80.00	\$ 110.00	\$ 3,080.00	
267	L4x3x1/4 (LLV)	28	LF	0%	28.00	\$ 12.00	\$ 36.00	\$ 48.00	\$ 1,344.00	
268	(#3x2") D.B.A. at 24" O.C.	30	LF	0%	30.00	\$ 10.00	\$ 25.00	\$ 35.00	\$ 1,050.00	
269	L2x2x3/16 @ 24" O.C.	49	LF	0%	49.00	\$ 10.00	\$ 32.00	\$ 42.00	\$ 2,058.00	
	Beam 6									
270	I-Beam - Detail Not Found For This Framing Type	7	LF	0%	7.00	\$ 30.00	\$ 80.00	\$ 110.00	\$ 770.00	
271	L4x4x1/4 (LLH)	7	LF	0%	7.00	\$ 12.00	\$ 38.00	\$ 50.00	\$ 350.00	
272	(Three #3)x2" D.B.A. at Mid Slab	6	LF	0%	6.00	\$ 10.00	\$ 25.00	\$ 35.00	\$ 210.00	
273	(Two #4)x3" Diagonal Bars in Mid Slab @ Ea. Corner	36	LF	0%	36.00	\$ 6.00	\$ 26.00	\$ 32.00	\$ 1,152.00	
	Beam 7									
274	I-Beam - Detail Not Found For This Framing Type	21	LF	0%	21.00	\$ 30.00	\$ 80.00	\$ 110.00	\$ 2,310.00	
275	L4x4x5/16 (LLH)	21	LF	0%	21.00	\$ 13.00	\$ 42.00	\$ 55.00	\$ 1,155.00	
276	(#3x2") D.B.A. at 24" O.C.	23	LF	0%	23.00	\$ 10.00	\$ 25.00	\$ 35.00	\$ 805.00	
	Beam 3									
277	I-Beam - Detail Not Found For This Framing Type	20	LF	0%	20.00	\$ 30.00	\$ 80.00	\$ 110.00	\$ 2,200.00	
278	Girt Joist Above Mezzanine Level For Panel Attachment	20	LF	0%	20.00	\$ 14.00	\$ 40.00	\$ 54.00	\$ 1,080.00	
279	L4x3x1/4 (LLV)	20	LF	0%	20.00	\$ 12.00	\$ 36.00	\$ 48.00	\$ 960.00	
280	(#3x2") D.B.A. at 24" O.C.	22	LF	0%	22.00	\$ 10.00	\$ 25.00	\$ 35.00	\$ 770.00	
281	(1/2") Seat above Beam	20	LF	0%	20.00	\$ 8.00	\$ 25.00	\$ 33.00	\$ 660.00	
	Beam 5									
282	I-Beam - Detail Not Found For This Framing Type	234	LF	0%	234.00	\$ 30.00	\$ 80.00	\$ 110.00	\$ 25,740.00	
283	#3x6' @ 18" O.C.	234	LF	0%	234.00	\$ 14.00	\$ 38.00	\$ 52.00	\$ 12,168.00	
284	(1/2") Seat above Beam	57	LF	0%	57.00	\$ 8.00	\$ 25.00	\$ 33.00	\$ 1,881.00	
	Beam 4									
285	I-Beam - Detail Not Found For This Framing Type	22	LF	0%	22.00	\$ 30.00	\$ 80.00	\$ 110.00	\$ 2,420.00	
286	L4x3x1/4 (LLV)	22	LF	0%	22.00	\$ 12.00	\$ 36.00	\$ 48.00	\$ 1,056.00	
287	(#3x2") D.B.A. at 24" O.C.	24	LF	0%	24.00	\$ 10.00	\$ 25.00	\$ 35.00	\$ 840.00	
288	L3x3x1/4x0'-6" Clip Angle @ Handrail Post	16	EA	0%	16.00	\$ 8.00	\$ 28.00	\$ 36.00	\$ 576.00	
289	(1/8x2-1/2) Plate to Cover Joist Seat	22	LF	0%	22.00	\$ 10.00	\$ 36.00	\$ 46.00	\$ 1,012.00	
	Mezzanine Floor Joists/ Metal Studs									
290	12K - Detail Not Found For This Framing Type	677	LF	0%	677.00	\$ 6.12	\$ 16.00	\$ 22.12	\$ 14,975.24	
291	16K - Detail Not Found For This Framing Type	1815	LF	0%	1815.00	\$ 7.50	\$ 18.20	\$ 25.70	\$ 46,645.50	
292	20K - Detail Not Found For This Framing Type	1771	LF	0%	1771.00	\$ 8.93	\$ 22.30	\$ 31.23	\$ 55,308.33	
	Slab									
293	3.5" Normal Wt. Concrete Slab	87	CY	0%	87.00	\$ 245.00	\$ 330.00	\$ 575.00	\$ 50,025.00	
294	W.W.F. 4x4-W2.9xW2.9 @ Mid Depth	7980	SF	0%	7980.00	\$ 0.50	\$ 1.60	\$ 2.10	\$ 16,758.00	
295	(0.6Cx26) GA. Deck	7980	SF	0%	7980.00	\$ 1.25	\$ 3.80	\$ 5.05	\$ 40,299.00	
296	Slab Formwork	26	SFCA	0%	26.00	\$ 3.92	\$ 1.32	\$ 5.24	\$ 136.24	
	Columns									
	Ground Floor									
297	(27.5' H) I-Column @ Bigger	28	EA	0%	28.00	\$ 600.00	\$ 1,525.00	\$ 2,125.00	\$ 59,500.00	
298	(27.5' H) I-Column @ Smaller	59	EA	0%	59.00	\$ 600.00	\$ 1,525.00	\$ 2,125.00	\$ 125,375.00	
299	(27.5' H) Hollow Column	11	EA	0%	11.00	\$ 504.00	\$ 1,360.00	\$ 1,864.00	\$ 20,504.00	
300	(27.5' H) Double I-Column	10	EA	0%	10.00	\$ 650.00	\$ 1,810.00	\$ 2,460.00	\$ 24,600.00	
301	(11'-11" H) Mezzaine Hollow Column	13	EA	0%	13.00	\$ 222.00	\$ 710.00	\$ 932.00	\$ 12,116.00	
302	(11'-11" H) Mezzaine I-Column	11	EA	0%	11.00	\$ 222.00	\$ 710.00	\$ 932.00	\$ 10,252.00	
	Mezzanine									
303	(15.5' H) Mezzanine Hollow Column	24	EA	0%	24.00	\$ 406.00	\$ 1,220.00	\$ 1,626.00	\$ 39,024.00	
304	(15.5' H) Mezzanine I-Column	20	EA	0%	20.00	\$ 406.00	\$ 1,220.00	\$ 1,626.00	\$ 32,520.00	
	Base Plate									

TAKEOFF & COST ESTIMATE



Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
305	(1'-2"x1'-2"x3/4") Base Plate	189	EA	0%	189.00	\$ 90.00	\$ 245.00	\$ 335.00	\$ 63,315.00	
306	(3/4"x0'-9") Embedded Anchor Bolts-F1554-36	756	EA	0%	756.00	\$ 17.00	\$ 66.00	\$ 83.00	\$ 62,748.00	
307	(1.5") Grout	2	EA	0%	1.51	\$ 150.00	\$ 400.00	\$ 550.00	\$ 828.89	
	Composite Stairs									
308	(11" Tx 7" R) Steel Stairs GF to Mezzanine Floor -23 Steps (incl. 1 Landing)	2	EA	0%	2.00	\$ 1,060.00	\$ 3,150.00	\$ 4,210.00	\$ 8,420.00	
309	(1.5") Guard Rail @ Mezzanine Stairs	118	LF	0%	118.00	\$ 17.00	\$ 42.00	\$ 59.00	\$ 6,962.00	
310	(42" H) Guard Rail @ Mezzanine Floor w/ 1.5" Steel Pipe	61	LF	0%	61.00	\$ 18.00	\$ 46.00	\$ 64.00	\$ 3,904.00	
	Low Roof Framing									
	Steel Beams & Joists									
	Beams									
311	HSS4x4x1/4	27	LF	0%	27.00	\$ 16.00	\$ 56.00	\$ 72.00	\$ 1,944.00	
312	HSS8x8x1/4	130	LF	0%	130.00	\$ 22.00	\$ 78.00	\$ 100.00	\$ 13,000.00	
313	HSS12x8x1/4(LFV)	16	LF	0%	16.00	\$ 30.00	\$ 104.00	\$ 134.00	\$ 2,144.00	
	Columns									
314	(26'-8" H) HSS8x8x5/8	4	LF	0%	4.00	\$ 900.00	\$ 2,530.00	\$ 3,430.00	\$ 13,720.00	
	Deck									
315	1.5Bx22GA Roof Deck Attach To Each Support With #12 Tek Screw On 36/3 Pattern	127	SF	0%	127.00	\$ 1.56	\$ 4.20	\$ 5.76	\$ 731.52	
	Metal Studs									
316	800s162-54 Mtl. Studs At 24" O.C. Max.	379	SF	0%	379.00	\$ 1.40	\$ 3.90	\$ 5.30	\$ 2,008.70	
	Railing									
	Guardrail									
317	(42" H - 1-1/2".Dia) Pipe Guardrail	104	LF	0%	104.00	\$ 18.00	\$ 46.00	\$ 64.00	\$ 6,656.00	
318	(42" H - 1-1/2".Dia) Pipe Guardrail w/ Pivot Gate	122	LF	0%	122.00	\$ 18.00	\$ 46.00	\$ 64.00	\$ 7,808.00	
	Handrail									
319	Steel Handrail	104	LF	0%	104.00	\$ 18.00	\$ 46.00	\$ 64.00	\$ 6,656.00	
320	Heavy Duty Guard Rail w/ (6"x6"x30") Steel Post	13	LF	0%	13.00	\$ 26.00	\$ 75.00	\$ 101.00	\$ 1,313.00	
Sub Total										\$815,844
WOOD , PLASTICS & COMPOSITES										
	Rough Carpentry									
	Floor Framing									
	Drivers Lounge									
321	(3/4") Tounge and Groove Plywood Platform	60	SF	0%	60.00	\$ 1.60	\$ 2.50	\$ 4.10	\$ 246.00	
322	Drivers Lounge 2x6 Studs @16" O.C.	46	LF	0%	46.00	\$ 1.32	\$ 1.80	\$ 3.12	\$ 143.52	
323	3-5/8" Metal Studs @16" O.C. w/ GWB	62	SF	0%	62.00	\$ 1.15	\$ 1.36	\$ 2.51	\$ 155.62	
	Millwork									
	Caninets & Drawers									
	Parts Counter 102									
324	(2' Deep x 2'-7" H) Computer Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood W/ Palm Finish & 3mm Edge Banding - Adjustable Shelf ((3/4") Plywoodw/ Melamine Finish	9	LF	0%	9.00	\$ 73.20	\$ 244.00	\$ 317.20	\$ 2,854.80	
325	(2' Deep) Computer Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	20	LF	0%	20.00	\$ 60.00	\$ 200.00	\$ 260.00	\$ 5,200.00	
326	(2' Deep x 2'-6" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	16	LF	0%	16.00	\$ 70.50	\$ 235.00	\$ 305.50	\$ 4,888.00	
327	(2' Deep x 1'-7" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood W/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	3	LF	0%	3.00	\$ 63.00	\$ 210.00	\$ 273.00	\$ 819.00	
	Retail Parts 101									
328	(2' Deep x 3' H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	9	LF	0%	9.00	\$ 76.80	\$ 256.00	\$ 332.80	\$ 2,995.20	
329	(2' Deep x 1'-8" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	3	LF	0%	3.00	\$ 66.60	\$ 222.00	\$ 288.60	\$ 865.80	
330	(2' Deep x 1'-6" H) Computer Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	4	LF	0%	4.00	\$ 63.00	\$ 210.00	\$ 273.00	\$ 1,092.00	
331	(2' Deep) Computer Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	4	LF	0%	4.00	\$ 60.00	\$ 200.00	\$ 260.00	\$ 1,040.00	
	Willi Call 113									
332	(1'-10" Deep x 3' H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf ((3/4") Plywood w/ Melamine Finish)	3	LF	0%	3.00	\$ 67.50	\$ 225.00	\$ 292.50	\$ 877.50	
333	(1'-10" Deep) Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	4	LF	0%	4.00	\$ 54.00	\$ 180.00	\$ 234.00	\$ 936.00	
334	(2' Deep x 3' H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	3	LF	0%	3.00	\$ 76.80	\$ 256.00	\$ 332.80	\$ 998.40	
335	(2' Deep x 2' H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	4	LF	0%	4.00	\$ 72.00	\$ 240.00	\$ 312.00	\$ 1,248.00	
	Service 152									
336	(2' Deep) Computer Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	14	LF	0%	14.00	\$ 60.00	\$ 200.00	\$ 260.00	\$ 3,640.00	
337	(3' Deep x 3'-2" H) Computer Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf ((3/4") Plywood w/ Melamine Finish)	6	LF	0%	6.00	\$ 87.00	\$ 290.00	\$ 377.00	\$ 2,262.00	
338	(2' Deep x 1'-7" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood W/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywoodw/ Melamine Finish	3	LF	0%	3.00	\$ 63.00	\$ 210.00	\$ 273.00	\$ 819.00	
339	(2' Deep x 3' H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	9	LF	0%	9.00	\$ 76.80	\$ 256.00	\$ 332.80	\$ 2,995.20	
	Drivers Lounge 149									
340	(2' Deep x 3' H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	7	LF	0%	7.00	\$ 76.80	\$ 256.00	\$ 332.80	\$ 2,329.60	
	Break 160									
341	(2' Deep) Computer Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	8	LF	0%	8.00	\$ 60.00	\$ 200.00	\$ 260.00	\$ 2,080.00	
342	(2' Deep x 3' H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	8	LF	0%	8.00	\$ 76.80	\$ 256.00	\$ 332.80	\$ 2,662.40	
343	(2' Deep x 1'-5" H) Shelves - (3/4") Plywood w/ Melanine Finish & 3mm Edge Banding	10	LF	0%	10.00	\$ 61.20	\$ 204.00	\$ 265.20	\$ 2,652.00	
344	(2' Deep x 3' H) Top Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding	5	LF	0%	5.00	\$ 76.80	\$ 256.00	\$ 332.80	\$ 1,664.00	
	(2'-7" Deep) Full Height Caninet w/ Wire Pull (Typ.)									
	Forman Backparts									
345	(3' Deep x 3'-2" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	4	LF	0%	4.00	\$ 87.00	\$ 290.00	\$ 377.00	\$ 1,508.00	
346	(3' Deep) Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	9	LF	0%	9.00	\$ 84.00	\$ 280.00	\$ 364.00	\$ 3,276.00	
347	(2'-4" Deep x 3'-2" H) Computer Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	5	LF	0%	5.00	\$ 84.60	\$ 282.00	\$ 366.60	\$ 1,833.00	
348	(2'-4" Deep) Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	11	LF	0%	11.00	\$ 67.80	\$ 226.00	\$ 293.80	\$ 3,231.80	
349	(2' Deep x 2'-8" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood W/ Palm Finish w/ 3mm Edge Banding - Adjustable Shelf ((3/4") Plywoodw/ Melamine Finish)	13	LF	0%	13.00	\$ 82.50	\$ 275.00	\$ 357.50	\$ 4,647.50	
	Copy 131									
350	(2' Deep x 3' H) Base Caninet w/ Wire Pull (Typ.) - - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	4	LF	0%	4.00	\$ 76.80	\$ 256.00	\$ 332.80	\$ 1,331.20	
351	(2' Deep x 2'-6" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding & Adjustable Shelf ((3/4") Plywood w/ Melamine Finish)	3	LF	0%	3.00	\$ 73.50	\$ 245.00	\$ 318.50	\$ 955.50	
352	(2' Deep) Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	3	LF	0%	3.00	\$ 63.00	\$ 210.00	\$ 273.00	\$ 819.00	
	Cashier 107									

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
353	(1'-10" Deep x 2'-7" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood W/ Palm Finish w/ 3mm Edge Banding - Adjustable Shelf (3/4") Plywoodw/ Melamine Finish	3	LF	0%	3.00	\$ 79.80	\$ 266.00	\$ 345.80	\$ 1,037.40	
	Break 140									
354	(2'-5" Deep x 1'-10.25" H) Base Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	7	LF	0%	7.00	\$ 75.00	\$ 250.00	\$ 325.00	\$ 2,275.00	
355	(2'-5" Deep) Drawers w/ Wire Pull - (3/4") Plywood w/ P-Lam Finish	7	LF	0%	7.00	\$ 77.70	\$ 259.00	\$ 336.70	\$ 2,356.90	
356	(2'-5" Deep x 1'-4" H) Top Caninet w/ Wire Pull (Typ.) - (3/4") Plywood w/ Palm Finish - Adjustable Shelf (3/4") Plywood w/ Melamine Finish	3	LF	0%	3.00	\$ 83.40	\$ 278.00	\$ 361.40	\$ 1,084.20	
357	(2'-5" Deep x 1'-4" H) Shelves - (3/4") Plywood w/ Melanine Finish & 3mm Edge Banding	5	LF	0%	5.00	\$ 83.40	\$ 278.00	\$ 361.40	\$ 1,807.00	
358	(2'-5" Deep x 2'-10" H) U.C. Ice Maker	2	LF	0%	2.00	\$ 88.80	\$ 296.00	\$ 384.80	\$ 769.60	
	Closet									
	Closet 127									
359	(3'-5" Deep) Full Height Closet	8	LF	0%	8.00	\$ 106.20	\$ 354.00	\$ 460.20	\$ 3,681.60	
Sub Total										\$76,078
MOISTURE & THERMAL PROTECTION										
	Roofing									
	Roof Coverings									
	Metal Roof									
360	Double Lock Standing Seam Metal Roof On R-5 Spacers	69403	SF	0%	69403.00	\$ 1.45	\$ 3.92	\$ 5.37	\$ 372,694.11	
	TPO Roof									
361	Single Ply (60 MIL) TPO Membrane Fully Adhered	401	SF	0%	401.00	\$ 1.22	\$ 1.96	\$ 3.18	\$ 1,275.18	
	Insulation									
362	R-19 + R-11 Batt Roof Insulation	58294	SF	0%	58294.00	\$ 0.84	\$ 1.96	\$ 2.80	\$ 163,223.20	
	Soffits									
363	ACM Rainscreen Soffit	95	SF	0%	95.00	\$ 3.18	\$ 8.25	\$ 11.43	\$ 1,085.85	
364	PFMB Prefinished Flat Concealed Fastners Soffit Panel	11616	SF	0%	11616.00	\$ 2.20	\$ 6.76	\$ 8.96	\$ 104,079.36	
	Fascia									
365	Prefinished Metal Fascia	49	LF	0%	49.00	\$ 3.60	\$ 9.20	\$ 12.80	\$ 627.20	
	Ridge									
366	Ridge	308	LF	0%	308.00	\$ 5.40	\$ 2.60	\$ 8.00	\$ 2,464.00	
	Roof Curbs									
367	Roof Curbs	724	LF	0%	724.00	\$ 14.00	\$ 6.50	\$ 20.50	\$ 14,842.00	
	Trims									
368	J' Trim	1714	LF	0%	1714.00	\$ 3.32	\$ 8.10	\$ 11.42	\$ 19,573.88	
369	Rake Trim	634	LF	0%	634.00	\$ 3.32	\$ 8.10	\$ 11.42	\$ 7,240.28	
370	Metal Wall Panel Trim	149	LF	0%	149.00	\$ 3.32	\$ 8.10	\$ 11.42	\$ 1,701.58	
	Gutters									
371	Heavy Guage Galv. Gutter	213	LF	0%	213.00	\$ 5.40	\$ 2.50	\$ 7.90	\$ 1,682.70	
372	Prefinished Metal Gutter	453	LF	0%	453.00	\$ 5.40	\$ 2.50	\$ 7.90	\$ 3,578.70	
373	Integral Box Gutter	54	LF	0%	54.00	\$ 5.40	\$ 2.50	\$ 7.90	\$ 426.60	
	Roof Accessories									
	Roof Access Hatch									
374	(2'-6" x 3'-6") Roof Access Hatch	1	EA	0%	1.00	\$ 350.00	\$ 990.00	\$ 1,340.00	\$ 1,340.00	
	Roof Drains									
375	Roof Drain	3	EA	0%	3.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,560.00	
	Coping									
376	Contineous Prefinished Metal Coping	643	LF	0%	643.00	\$ 12.00	\$ 7.00	\$ 19.00	\$ 12,217.00	
	Fashings									
377	Cont. Metal Flashing	246	LF	0%	246.00	\$ 6.36	\$ 3.20	\$ 9.56	\$ 2,351.76	
378	Metal Flashing	1423	LF	0%	1423.00	\$ 6.36	\$ 3.20	\$ 9.56	\$ 13,603.88	
379	Prefinished Metal Flashing	426	LF	0%	426.00	\$ 6.36	\$ 3.20	\$ 9.56	\$ 4,072.56	
380	Vent Flashing	8	LF	0%	8.00	\$ 6.36	\$ 3.20	\$ 9.56	\$ 76.48	
	Sealant									
381	Sealant	734	LF	0%	734.00	\$ 1.77	\$ 0.50	\$ 2.27	\$ 1,666.18	
	Miscellaneous									
382	Metal Drip Edge	2202	LF	0%	2202.00	\$ 5.28	\$ 2.35	\$ 7.63	\$ 16,801.26	
383	EIFS Reveals	1832	LF	0%	1832.00	\$ 4.96	\$ 1.77	\$ 6.73	\$ 12,329.36	
	Exterior Cladding									
384	Prefinished Exterior Metal Building Wall Panel - Weather Barrier (11960 SF) - (1-1/2") Furring Channels @ 16" O.C (749 EA)	11960	SF	0%	11960.00	\$ 4.30	\$ 10.66	\$ 14.96	\$ 178,921.60	
385	Horizontal DP RIB Wall Panel - Weather Barrier (1825 SF) - (1-1/2") Furring Channels @ 16" O.C (115 EA)	1825	SF	0%	1825.00	\$ 4.30	\$ 10.66	\$ 14.96	\$ 27,302.00	
386	ACM Rain Screen Panels - Weather Barrier (489 SF) - (1/2") Dens Glass Gold Sheathing (489 SF)	489	SF	0%	489.00	\$ 5.28	\$ 14.90	\$ 20.18	\$ 9,868.02	
387	Exterior Vertical Metal Wall Panel	2809	SF	0%	2809.00	\$ 4.30	\$ 10.66	\$ 14.96	\$ 42,022.64	
	EIFS									
388	(2") Exterior Insulation Finish System 'EIFS' - Weather Barrier (6760 SF) - Dens Glass Gold Sheathing (6760 SF) - (1-1/2") Furring Channels @ 16" O.C (424 EA)	6760	SF	0%	6760.00	\$ 8.96	\$ 3.75	\$ 12.71	\$ 85,939.88	
Sub Total										\$1,104,567
OPENINGS										
	Doors									
389	(3'-0" x 8'-0") Double Leaf Aluminium Door w/ Aluminium Frame '101' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 338.00	\$ 845.00	\$ 1,183.00	\$ 1,183.00	
390	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '103' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
391	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '104' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
392	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '105' Hardware - Head - Jamb - Door Hardware: Panic	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
393	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '106' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
394	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '107' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
395	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '108' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
396	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '112' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
397	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Hollow Metal Frame '113A' - Head - Jamb - Door Hardware: Panic	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
398	(4'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '113B' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 342.00	\$ 854.00	\$ 1,196.00	\$ 1,196.00	
399	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '114A' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
400	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '114B' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
401	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '117' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
402	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '121' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
403	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '122' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
404	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '125' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
405	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '126' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
406	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '127' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
407	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '128' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
408	(3'-0" x 7'-0") Door w/ Aluminium Frame '131' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
409	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '132' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
410	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '133' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
411	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '134' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
412	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '135' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
413	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '136' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
414	(3'-0" x 7'-0") Door w/ Aluminium Frame '140' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
415	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '141' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
416	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '142' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
417	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '143' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
418	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '144A' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
419	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '144B' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
420	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '145' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
421	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '146' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
422	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '147' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
423	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '113B' Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
424	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '149' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
425	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '150' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
426	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '151' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
427	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '152' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
428	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '153' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
429	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '154' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
430	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '155' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
431	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '156' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
432	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '157A' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
433	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '157B' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
434	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '157C' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
435	(3'-0" x 7'-0") Door w/ Hollow Metal Frame '158' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
436	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '159' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
437	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '160' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
438	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '161' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
439	(3'-0" x 7'-0") Single Leaf Solid Core Wood Door w/ Aluminium Frame '162' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 302.00	\$ 756.00	\$ 1,058.00	\$ 1,058.00	
440	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '163A' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
441	(3'-0" x 7'-0") Single Leaf Aluminium Door w/ Aluminium Frame '163B' - Door Hardware: Panic - Head - Jamb	1	EA	0%	1.00	\$ 329.00	\$ 822.00	\$ 1,151.00	\$ 1,151.00	
442	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '163C' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
443	(3'-0" x 7'-0") Double Leaf Hollow Metal Door w/ Hollow Metal Frame '202' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
444	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '164A' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
445	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '164H' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
446	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '164K' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
447	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '164T' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
448	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '164B' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
449	(3'-0" x 7'-0") Double Leaf Hollow Metal Door w/ Hollow Metal Frame '165C' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
450	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '170' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
451	(3'-0" x 7'-0") Double Leaf Hollow Metal Door w/ Hollow Metal Frame '171' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
452	(3'-0" x 7'-0") Double Leaf Hollow Metal Door w/ Hollow Metal Frame '172' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
453	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '116B' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
454	(3'-0" x 7'-0") Single Leaf Hollow Metal Door w/ Hollow Metal Frame '116E' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
	Overhead Doors									
455	(3'-0" x 7'-0") Overhead Garrage Hollow Metal Door w/ Hollow Metal Frame '164L' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
456	(3'-0" x 7'-0") Overhead Garrage Hollow Metal Door w/ Hollow Metal Frame '164M' - Door Hardware: Push/Pull Hardware w/ Closer - Head - Jamb	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
457	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164N' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
458	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164P' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
459	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164Q' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
460	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164R' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
461	14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164S' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
462	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '165A' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
463	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164B' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
464	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164C' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
465	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164D' - Head w/ Frame - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
466	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164E' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
467	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164F' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
468	(14'-0" x 16'-0") Overhead Garrage Steel Door '164G' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
469	(10'-0" x 12'-0") Overhead Garrage Steel Door w/ Frame '116C' - Head - Jamb	1	EA	0%	1.00	\$ 910.00	\$ 2,275.00	\$ 3,185.00	\$ 3,185.00	
470	(10'-0" x 12'-0") Overhead Garrage Steel Door w/ Frame '116D' - Head - Jamb	1	EA	0%	1.00	\$ 910.00	\$ 2,275.00	\$ 3,185.00	\$ 3,185.00	
471	(10'-0" x 12'-0") Overhead Garrage Steel Door w/ Frame '116F' - Head - Jamb	1	EA	0%	1.00	\$ 910.00	\$ 2,275.00	\$ 3,185.00	\$ 3,185.00	
472	(10'-0" x 12'-0") Overhead Garrage Steel Door w/ Frame '116G' - Head - Jamb	1	EA	0%	1.00	\$ 910.00	\$ 2,275.00	\$ 3,185.00	\$ 3,185.00	
473	(10'-0" x 12'-0") Overhead Garrage Steel Door w/ Frame '116H' - Head - Jamb	1	EA	0%	1.00	\$ 910.00	\$ 2,275.00	\$ 3,185.00	\$ 3,185.00	
474	(14'-0" x 16'-0") Overhead Garrage Steel Door w/ Frame '164I' - Head - Jamb	1	EA	0%	1.00	\$ 1,224.00	\$ 3,060.00	\$ 4,284.00	\$ 4,284.00	
	Windows									
475	(4'-12"x3'-10") Aluminum Window w/ Glazing 'GL-1' Type - W1 - 3/8" Insulated Tempered	24	EA	0%	24.00	\$ 314.00	\$ 784.00	\$ 1,098.00	\$ 26,352.00	
476	(12'-2"x15'-5-3/8") Aluminum Window w/ Glazing 'GL-1' Type - W2 - 3/8" Insulated Tempered	2	EA	0%	2.00	\$ 1,165.00	\$ 2,912.00	\$ 4,077.00	\$ 8,154.00	
477	(12'-0"x2'-8") Aluminum Window w/ Glazing 'GL-1' Type - W2 - 3/8" Insulated Tempered	1	EA	0%	1.00	\$ 396.00	\$ 990.00	\$ 1,386.00	\$ 1,386.00	
478	(22'-4"x2'-10") Aluminum Window w/ Glazing 'GL-1' Type - W3 - 3/8" Insulated Tempered	1	EA	0%	1.00	\$ 750.00	\$ 1,875.00	\$ 2,625.00	\$ 2,625.00	
479	(4'-2"x3'-10") Aluminum Window w/ Glazing 'GL-7' Type - W14 - 3/8" Tempered & Laminated	5	EA	0%	5.00	\$ 288.00	\$ 720.00	\$ 1,008.00	\$ 5,040.00	
	StoreFronts									
480	(12'-0"x6'-10") Aluminum Window Storefront w/ Glazing 'GL-1' Type - W2 - 3/8" Insulated Tempered	1	EA	0%	1.00	\$ 2,688.00	\$ 6,720.00	\$ 9,408.00	\$ 9,408.00	
481	(16'-0"x3'-10") Aluminum Window Storefront w/ Glazing 'GL-1' Type - W3 - 3/8" Insulated Tempered	1	EA	0%	1.00	\$ 1,792.00	\$ 4,480.00	\$ 6,272.00	\$ 6,272.00	
482	(6'-6"x7'-2") Aluminum Window Storefront w/ Glazing 'GL-7' Type - W4 - 3/8" Tempered & Laminated	10	EA	0%	10.00	\$ 1,420.00	\$ 3,550.00	\$ 4,970.00	\$ 49,700.00	
483	(7'-0"x7'-2") Aluminum Window Storefront w/ Glazing 'GL-7' Type - W7 - 3/8" Tempered & Laminated	2	EA	0%	2.00	\$ 1,568.00	\$ 3,920.00	\$ 5,488.00	\$ 10,976.00	
484	(6'-0"x7'-2") Aluminum Window Storefront w/ Glazing 'GL-7' Type - W8 - 3/8" Tempered & Laminated	2	EA	0%	2.00	\$ 1,364.00	\$ 3,410.00	\$ 4,774.00	\$ 9,548.00	
485	(3'-4"x7'-2") Aluminum Window Storefront w/ Glazing 'GL-7' Type - W9 - 3/8" Tempered & Laminated	5	EA	0%	5.00	\$ 1,084.00	\$ 2,710.00	\$ 3,794.00	\$ 18,970.00	
486	(13'-6"x7'-2") Aluminum Window Storefront w/ Glazing 'GL-7' Type - W10 - 3/8" Tempered & Laminated	1	EA	0%	1.00	\$ 3,024.00	\$ 7,560.00	\$ 10,584.00	\$ 10,584.00	
487	(6'-10"x4'-2") Aluminum Window Storefront w/ Glazing 'GL-7' Type - W11 - 3/8" Tempered & Laminated	2	EA	0%	2.00	\$ 874.00	\$ 2,185.00	\$ 3,059.00	\$ 6,118.00	
488	(7'-4"x7'-2") Aluminum Window Storefront w/ Glazing 'GL-7' Type - W12 - 3/8" Tempered & Laminated	2	EA	0%	2.00	\$ 1,568.00	\$ 3,920.00	\$ 5,488.00	\$ 10,976.00	
Sub Total									\$321,763	
FINISHES										
	Walls									
	Ground Floor									
	Wall Type A6-2B (L: 45'-0" , H: 18'-0")									
489	1 Layer of 5/8" GWB on Each Side	1620	SF	0%	1620.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 3,450.60	
490	4'x8' GB Sheet	50	Sheets	0%	50.00	\$ -	\$ -	\$ -	\$ -	
491	500' Tape Roll	3	Rolls	0%	3.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,560.00	
492	Joint Compound	8	Gallons	0%	8.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 248.00	
493	1-1/4" Drywall Screws	8	Pounds	0%	8.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 160.00	
494	Sealant @ top and bottom	180	LF	0%	180.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 126.00	
495	3-1/2" Sound Batt Insulation	810	SF	0%	810.00	\$ 1.56	\$ 0.60	\$ 2.16	\$ 1,749.60	
496	6" MTL Studs @ 16" O.C	810	SF	0%	810.00	\$ 1.30	\$ 1.27	\$ 2.57	\$ 2,081.70	
497	6" MTL Track T&B	90	LF	0%	90.00	\$ 2.00	\$ 1.97	\$ 3.97	\$ 357.30	
	Wall Type A6-2B (L: 54'-0" , H: 10'-5")									
498	1 Layer of 5/8" GWB on Each Side	1092	SF	0%	1092.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 2,325.96	
499	4'x8' GB Sheet	34	Sheets	0%	34.00	\$ -	\$ -	\$ -	\$ -	
500	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
501	Joint Compound	5	Gallons	0%	5.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 155.00	
502	1-1/4" Drywall Screws	5	Pounds	0%	5.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 100.00	
503	Sealant @ top and bottom	216	LF	0%	216.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 151.20	
504	3-1/2" Sound Batt Insulation	546	SF	0%	546.00	\$ 1.56	\$ 0.60	\$ 2.16	\$ 1,179.36	
505	6" MTL Studs @ 16" O.C	546	SF	0%	546.00	\$ 1.30	\$ 1.27	\$ 2.57	\$ 1,403.22	
506	6" MTL Track T&B	108	LF	0%	108.00	\$ 2.00	\$ 1.97	\$ 3.97	\$ 428.76	
	Wall Type CD6-1CF (L: 95'-0" , H: 10'-5")									
507	1 Layer of 5/8" GWB on One Side	994	SF	0%	994.35	\$ 1.55	\$ 0.58	\$ 2.13	\$ 2,117.97	
508	4'x8' GB Sheet	32	Sheets	0%	32.00	\$ -	\$ -	\$ -	\$ -	
509	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
510	Joint Compound	5	Gallons	0%	5.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 155.00	
511	1-1/4" Drywall Screws	6	Pounds	0%	6.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 120.00	
512	1 Layer of 5/8" Plywood on One Side	994	SF	0%	994.35	\$ 2.10	\$ 1.18	\$ 3.28	\$ 3,261.47	
513	Sealant @ top and bottom	189	LF	0%	189.40	\$ 0.18	\$ 0.52	\$ 0.70	\$ 132.58	
514	6-1/2" Sound Batt Insulation	994	SF	0%	994.35	\$ 1.70	\$ 0.75	\$ 2.45	\$ 2,436.16	
515	Resilient Channel Furring	994	SF	0%	994.35	\$ 1.30	\$ 1.08	\$ 2.38	\$ 2,366.55	
516	6" MTL Studs @ 16" O.C	994	SF	0%	994.35	\$ 1.30	\$ 1.27	\$ 2.57	\$ 2,555.48	
517	6" MTL Track T&B	189	LF	0%	189.40	\$ 2.00	\$ 1.97	\$ 3.97	\$ 751.92	
	Wall Type A4-2B (L: 972'-0" , H: 10'-5")									
518	1 Layer of 5/8" GWB on Each Side	20412	SF	0%	20412.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 43,477.56	
519	4'x8' GB Sheet	638	Sheets	0%	638.00	\$ -	\$ -	\$ -	\$ -	
520	500' Tape Roll	31	Rolls	0%	31.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 16,120.00	
521	Joint Compound	103	Gallons	0%	103.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 3,193.00	
522	1-1/4" Drywall Screws	108	Pounds	0%	108.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 2,160.00	
523	Sealant @ top and bottom	3888	LF	0%	3888.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 2,721.60	
524	3-1/2" Sound Batt Insulation	10206	SF	0%	10206.00	\$ 1.56	\$ 0.60	\$ 2.16	\$ 22,044.96	
525	3-5/8" MTL Studs @ 16" O.C	10206	SF	0%	10206.00	\$ 1.19	\$ 1.16	\$ 2.35	\$ 23,984.10	
526	3-5/8" MTL Track T&B	1944	LF	0%	1944.00	\$ 1.81	\$ 1.78	\$ 3.59	\$ 6,978.96	
	Wall Type CE6-2C (L: 60'-0" , H: 10'-5")									
527	1 Layer of 5/8" GWB on One Side	630	SF	0%	630.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 1,341.90	
528	1 Layer of 5/8" Mositure Resistant GWB One Side	630	SF	0%	630.00	\$ 1.59	\$ 0.62	\$ 2.21	\$ 1,392.30	
529	4'x8' GB Sheet	40	Sheets	0%	40.00	\$ -	\$ -	\$ -	\$ -	
530	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
531	Joint Compound	7	Gallons	0%	7.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 217.00	
532	1-1/4" Drywall Screws	7	Pounds	0%	7.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 140.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
533	Sealant @ top and bottom	240	LF	0%	240.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 168.00	
534	6-1/2" Sound Batt Insulation	630	SF	0%	630.00	\$ 1.70	\$ 0.75	\$ 2.45	\$ 1,543.50	
535	6" MTL Studs @ 16" O.C	630	SF	0%	630.00	\$ 1.30	\$ 1.27	\$ 2.57	\$ 1,619.10	
536	6" MTL Track T&B	120	LF	0%	120.00	\$ 2.00	\$ 1.97	\$ 3.97	\$ 476.40	
	Wall Type C3-2 (L: 9'-0" , H: 10'-5")									
537	1 Layer of 5/8" GWB on One Side	95	SF	0%	94.50	\$ 1.55	\$ 0.58	\$ 2.13	\$ 201.29	
538	4'x8' GB Sheet	3	Sheets	0%	3.00	\$ -	\$ -	\$ -	\$ -	
539	500' Tape Roll	1	Rolls	0%	1.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 520.00	
540	Joint Compound	1	Gallons	0%	1.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 31.00	
541	1-1/4" Drywall Screws	1	Pounds	0%	1.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 20.00	
542	Sealant @ top and bottom	18	LF	0%	18.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 12.60	
543	2-1/2" MTL Studs @ 16" O.C	95	SF	0%	94.50	\$ 1.14	\$ 1.12	\$ 2.26	\$ 213.57	
544	2-1/2" MTL Track T&B	18	LF	0%	18.00	\$ 1.67	\$ 1.64	\$ 3.31	\$ 59.58	
	Wall Type CE4-2B (L: 38'-0" , H: 10'-5")									
545	1 Layer of 5/8" GWB on One Side	399	SF	0%	399.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 849.87	
546	1 Layer of 5/8" Mositure Resistant GWB One Side	399	SF	0%	399.00	\$ 1.59	\$ 0.62	\$ 2.21	\$ 881.79	
547	4'x8' GB Sheet	25	Sheets	0%	25.00	\$ -	\$ -	\$ -	\$ -	
548	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
549	Joint Compound	4	Gallons	0%	4.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 124.00	
550	1-1/4" Drywall Screws	5	Pounds	0%	5.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 100.00	
551	Sealant @ top and bottom	152	LF	0%	152.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 106.40	
552	3-1/2" Sound Batt Insulation	399	SF	0%	399.00	\$ 1.56	\$ 0.60	\$ 2.16	\$ 861.84	
553	3-5/8" MTL Studs @ 16" O.C	399	SF	0%	399.00	\$ 1.19	\$ 1.16	\$ 2.35	\$ 937.65	
554	3-5/8" MTL Track T&B	76	LF	0%	76.00	\$ 1.81	\$ 1.78	\$ 3.59	\$ 272.84	
	Wall Type A4-2 (L: 83'-0" , H: 10'-5")									
555	1 Layer of 5/8" GWB on Each Side	1737	SF	0%	1736.70	\$ 1.55	\$ 0.58	\$ 2.13	\$ 3,699.17	
556	4'x8' GB Sheet	55	Sheets	0%	55.00	\$ -	\$ -	\$ -	\$ -	
557	500' Tape Roll	3	Rolls	0%	3.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,560.00	
558	Joint Compound	9	Gallons	0%	9.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 279.00	
559	1-1/4" Drywall Screws	10	Pounds	0%	10.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 200.00	
560	Sealant @ top and bottom	331	LF	0%	330.80	\$ 0.18	\$ 0.52	\$ 0.70	\$ 231.56	
561	3-5/8" MTL Studs @ 16" O.C	868	SF	0%	868.35	\$ 1.19	\$ 1.16	\$ 2.35	\$ 2,040.62	
562	3-5/8" MTL Track T&B	165	LF	0%	165.40	\$ 1.81	\$ 1.78	\$ 3.59	\$ 593.79	
	Wall Type CE6-2 (L: 10'-0" , H: 10'-5")									
563	1 Layer of 5/8" GWB on One Side	105	SF	0%	105.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 223.65	
564	1 Layer of 5/8" Mositure Resistant GWB One Side	105	SF	0%	105.00	\$ 1.59	\$ 0.62	\$ 2.21	\$ 232.05	
565	4'x8' GB Sheet	7	Sheets	0%	7.00	\$ -	\$ -	\$ -	\$ -	
566	500' Tape Roll	1	Rolls	0%	1.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 520.00	
567	Joint Compound	2	Gallons	0%	2.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 62.00	
568	1-1/4" Drywall Screws	2	Pounds	0%	2.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 40.00	
569	Sealant @ top and bottom	40	LF	0%	40.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 28.00	
570	6" MTL Studs @ 16" O.C	105	SF	0%	105.00	\$ 1.30	\$ 1.27	\$ 2.57	\$ 269.85	
571	6" MTL Track T&B	20	LF	0%	20.00	\$ 2.00	\$ 1.97	\$ 3.97	\$ 79.40	
	Wall Type CE6-1C (L: 60'-0" , H: 27'-5")									
572	1 Layer of 5/8" GWB on One Side	1650	SF	0%	1650.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 3,514.50	
573	1 Layer of 5/8" Mositure Resistant GWB One Side	1650	SF	0%	1650.00	\$ 1.59	\$ 0.62	\$ 2.21	\$ 3,646.50	
574	4'x8' GB Sheet	104	Sheets	0%	104.00	\$ -	\$ -	\$ -	\$ -	
575	500' Tape Roll	5	Rolls	0%	5.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 2,600.00	
576	Joint Compound	17	Gallons	0%	17.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 527.00	
577	1-1/4" Drywall Screws	18	Pounds	0%	18.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 360.00	
578	Sealant @ top and bottom	240	LF	0%	240.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 168.00	
579	6-1/2" Sound Batt Insulation	1650	SF	0%	1650.00	\$ 1.70	\$ 0.75	\$ 2.45	\$ 4,042.50	
580	6" MTL Studs @ 16" O.C	1650	SF	0%	1650.00	\$ 1.30	\$ 1.27	\$ 2.57	\$ 4,240.50	
581	6" MTL Track T&B	120	LF	0%	120.00	\$ 2.00	\$ 1.97	\$ 3.97	\$ 476.40	
	Wall Type CD4-1BF (L: 51'-0" , H: 14'-0")									
582	1 Layer of 5/8" GWB on One Side	720	SF	0%	719.60	\$ 1.55	\$ 0.58	\$ 2.13	\$ 1,532.75	
583	4'x8' GB Sheet	23	Sheets	0%	23.00	\$ -	\$ -	\$ -	\$ -	
584	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
585	Joint Compound	4	Gallons	0%	4.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 124.00	
586	1-1/4" Drywall Screws	4	Pounds	0%	4.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 80.00	
587	1 Layer of 5/8" Plywood on One Side	720	SF	0%	719.60	\$ 2.10	\$ 1.18	\$ 3.28	\$ 2,360.29	
588	Sealant @ top and bottom	103	LF	0%	102.80	\$ 0.18	\$ 0.52	\$ 0.70	\$ 71.96	
589	Resilient Channel Furring	720	SF	0%	719.60	\$ 1.30	\$ 1.08	\$ 2.38	\$ 1,712.65	
590	3-1/2" Sound Batt Insulation	720	SF	0%	719.60	\$ 1.56	\$ 0.60	\$ 2.16	\$ 1,554.34	
591	3-5/8" MTL Studs @ 16" O.C	720	SF	0%	719.60	\$ 1.19	\$ 1.16	\$ 2.35	\$ 1,691.06	
592	3-5/8" MTL Track T&B	103	LF	0%	102.80	\$ 1.81	\$ 1.78	\$ 3.59	\$ 369.05	
	Wall Type CD6-1CF (L: 8'-0" , H: 14'-0")									
593	1 Layer of 5/8" GWB on One Side	115	SF	0%	114.80	\$ 1.55	\$ 0.58	\$ 2.13	\$ 244.52	
594	4'x8' GB Sheet	4	Sheets	0%	4.00	\$ -	\$ -	\$ -	\$ -	
595	500' Tape Roll	1	Rolls	0%	1.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 520.00	
596	Joint Compound	1	Gallons	0%	1.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 31.00	
597	1-1/4" Drywall Screws	1	Pounds	0%	1.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 20.00	
598	1 Layer of 5/8" Plywood on One Side	115	SF	0%	114.80	\$ 2.10	\$ 1.18	\$ 3.28	\$ 376.54	
599	Sealant @ top and bottom	16	LF	0%	16.40	\$ 0.18	\$ 0.52	\$ 0.70	\$ 11.48	
600	6-1/2" Sound Batt Insulation	115	SF	0%	114.80	\$ 1.70	\$ 0.75	\$ 2.45	\$ 281.26	
601	Resilient Channel Furring	115	SF	0%	114.80	\$ 1.30	\$ 1.08	\$ 2.38	\$ 273.22	
602	6" MTL Studs @ 16" O.C	115	SF	0%	114.80	\$ 1.30	\$ 1.27	\$ 2.57	\$ 295.04	
603	6" MTL Track T&B	16	LF	0%	16.40	\$ 2.00	\$ 1.97	\$ 3.97	\$ 65.11	
	Wall Type DE6-1CF (L: 74'-0" , H: 14'-0")									
604	1 Layer of 5/8" Mositure Resistant GWB on One Side	1037	SF	0%	1037.40	\$ 1.59	\$ 0.62	\$ 2.21	\$ 2,292.65	
605	4'x8' GB Sheet	33	Sheets	0%	33.00	\$ -	\$ -	\$ -	\$ -	
606	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
607	Joint Compound	6	Gallons	0%	6.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 186.00	
608	1-1/4" Drywall Screws	6	Pounds	0%	6.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 120.00	
609	1 Layer of 5/8" Plywood on One Side	1037	SF	0%	1037.40	\$ 2.10	\$ 1.18	\$ 3.28	\$ 3,402.67	
610	Sealant @ top and bottom	148	LF	0%	148.20	\$ 0.18	\$ 0.52	\$ 0.70	\$ 103.74	
611	6-1/2" Sound Batt Insulation	1037	SF	0%	1037.40	\$ 1.70	\$ 0.75	\$ 2.45	\$ 2,541.63	
612	Resilient Channel Furring	1037	SF	0%	1037.40	\$ 1.30	\$ 1.08	\$ 2.38	\$ 2,469.01	
613	6" MTL Studs @ 16" O.C	1037	SF	0%	1037.40	\$ 1.30	\$ 1.27	\$ 2.57	\$ 2,666.12	
614	6" MTL Track T&B	148	LF	0%	148.20	\$ 2.00	\$ 1.97	\$ 3.97	\$ 588.35	
	Wall Type CD4-1B (L: 84'-0" , H: 14'-0")									
615	1 Layer of 5/8" GWB on One Side	1182	SF	0%	1181.60	\$ 1.55	\$ 0.58	\$ 2.13	\$ 2,516.81	
616	4'x8' GB Sheet	37	Sheets	0%	37.00	\$ -	\$ -	\$ -	\$ -	
617	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
618	Joint Compound	6	Gallons	0%	6.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 186.00	
619	1-1/4" Drywall Screws	7	Pounds	0%	7.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 140.00	
620	1 Layer of 5/8" Plywood on One Side	1182	SF	0%	1181.60	\$ 2.10	\$ 1.18	\$ 3.28	\$ 3,875.65	
621	Sealant @ top and bottom	169	LF	0%	168.80	\$ 0.18	\$ 0.52	\$ 0.70	\$ 118.16	
622	Resilient Channel Furring	1182	SF	0%	1181.60	\$ 1.30	\$ 1.08	\$ 2.38	\$ 2,812.21	
623	3-1/2" Sound Batt Insulation	1182	SF	0%	1181.60	\$ 1.56	\$ 0.60	\$ 2.16	\$ 2,552.26	
624	3-5/8" MTL Studs @ 16" O.C	1182	SF	0%	1181.60	\$ 1.19	\$ 1.16	\$ 2.35	\$ 2,776.76	
625	3-5/8" MTL Track T&B	169	LF	0%	168.80	\$ 1.81	\$ 1.78	\$ 3.59	\$ 605.99	
	Wall Type A4-2B (L: 32'-0" , H: 14'-0")									
626	1 Layer of 5/8" GWB on Each Side	890	SF	0%	890.40	\$ 1.55	\$ 0.58	\$ 2.13	\$ 1,896.55	
627	4'x8' GB Sheet	28	Sheets	0%	28.00	\$ -	\$ -	\$ -	\$ -	
628	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
629	Joint Compound	5	Gallons	0%	5.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 155.00	
630	1-1/4" Drywall Screws	5	Pounds	0%	5.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 100.00	
631	Sealant @ top and bottom	127	LF	0%	127.20	\$ 0.18	\$ 0.52	\$ 0.70	\$ 89.04	
632	3-1/2" Sound Batt Insulation	445	SF	0%	445.20	\$ 1.56	\$ 0.60	\$ 2.16	\$ 961.63	
633	3-5/8" MTL Studs @ 16" O.C	445	SF	0%	445.20	\$ 1.19	\$ 1.16	\$ 2.35	\$ 1,046.22	
634	3-5/8" MTL Track T&B	64	LF	0%	63.60	\$ 1.81	\$ 1.78	\$ 3.59	\$ 228.32	
	Exterior Wall '1' (L: 340'-0" , H: 20'-6")									
635	1 Layer of 5/8" GWB on One Side	6970	SF	0%	6970.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 14,846.10	
636	4'x8' GB Sheet	218	Sheets	0%	218.00	\$ -	\$ -	\$ -	\$ -	
637	500' Tape Roll	11	Rolls	0%	11.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 5,720.00	
638	Joint Compound	35	Gallons	0%	35.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 1,085.00	
639	1-1/4" Drywall Screws	37	Pounds	0%	37.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 740.00	
640	1 Layer Interior Panel on One Side	6970	SF	0%	6970.00	\$ 2.20	\$ 1.00	\$ 3.20	\$ 22,304.00	
641	Z-Girts Cont @ 5'-0" O.C	1394	LF	0%	1394.00	\$ 1.14	\$ 1.00	\$ 2.14	\$ 2,983.16	
642	Sealant @ top and bottom	680	LF	0%	680.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 476.00	
643	R-13 +R-6.5 Batt Insulation	6970	SF	0%						

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
	Exterior Wall '2' (L: 250'-0" , H: 8'-6")									
646	1 Layer of 5/8" GWB on One Side	2125	SF	0%	2125.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 4,526.25	
647	4'x8' GB Sheet	67	Sheets	0%	67.00	\$ -	\$ -	\$ -	\$ -	
648	500' Tape Roll	4	Rolls	0%	4.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 2,080.00	
649	Joint Compound	11	Gallons	0%	11.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 341.00	
650	1-1/4" Drywall Screws	12	Pounds	0%	12.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 240.00	
651	1 Layer Interior Panel on One Side	5125	SF	0%	5125.00	\$ 2.20	\$ 1.00	\$ 3.20	\$ 16,400.00	
652	Z-Girts Cont @ 5'-0" O.C	1025	LF	0%	1025.00	\$ 1.14	\$ 1.00	\$ 2.14	\$ 2,193.50	
653	Sealent @ top and bottom	500	LF	0%	500.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 350.00	
654	R-13 +R-6.5 Batt Insulation	2125	SF	0%	2125.00	\$ 1.60	\$ 0.65	\$ 2.25	\$ 4,781.25	
655	8" MTL Studs @ 16" O.C	2125	SF	0%	2125.00	\$ 1.56	\$ 1.30	\$ 2.86	\$ 6,077.50	
656	8" MTL Track T&B	500	LF	0%	500.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 2,805.00	
	Exterior Wall '3' (L: 126'-0" , H: 32'-6")									
657	1 Layer of 5/8" GWB on One Side	4108	SF	0%	4107.60	\$ 1.55	\$ 0.58	\$ 2.13	\$ 8,749.19	
658	4'x8' GB Sheet	129	Sheets	0%	129.00	\$ -	\$ -	\$ -	\$ -	
659	500' Tape Roll	7	Rolls	0%	7.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 3,640.00	
660	Joint Compound	21	Gallons	0%	21.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 651.00	
661	1-1/4" Drywall Screws	22	Pounds	0%	22.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 440.00	
662	1 Layer Interior Panel on One Side	2166	SF	0%	2166.25	\$ 2.20	\$ 1.00	\$ 3.20	\$ 6,932.00	
663	Z-Girts Cont @ 5'-0" O.C	819	LF	0%	819.00	\$ 1.14	\$ 1.00	\$ 2.14	\$ 1,752.66	
664	Sealent @ top and bottom	252	LF	0%	252.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 176.40	
665	R-13 +R-6.5 Batt Insulation	4108	SF	0%	4107.60	\$ 1.60	\$ 0.65	\$ 2.25	\$ 9,242.10	
666	8" MTL Studs @ 16" O.C	4108	SF	0%	4107.60	\$ 1.56	\$ 1.30	\$ 2.86	\$ 11,747.74	
667	8" MTL Track T&B	252	LF	0%	252.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 1,413.72	
	Exterior Wall '4' (L: 98'-0" , H: 32'-6")									
668	1 Layer of 5/8" GWB on One Side	3195	SF	0%	3194.80	\$ 1.55	\$ 0.58	\$ 2.13	\$ 6,804.92	
669	4'x8' GB Sheet	100	Sheets	0%	100.00	\$ -	\$ -	\$ -	\$ -	
670	500' Tape Roll	5	Rolls	0%	5.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 2,600.00	
671	Joint Compound	16	Gallons	0%	16.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 496.00	
672	1-1/4" Drywall Screws	17	Pounds	0%	17.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 340.00	
673	1 Layer of Plywood	780	SF	0%	780.00	\$ 2.10	\$ 1.18	\$ 3.28	\$ 2,558.40	
674	1 Layer Interior Panel on One Side	1698	SF	0%	1698.34	\$ 2.20	\$ 1.00	\$ 3.20	\$ 5,434.69	
675	Z-Girts Cont @ 5'-0" O.C	637	LF	0%	637.00	\$ 1.14	\$ 1.00	\$ 2.14	\$ 1,363.18	
676	Sealent @ top and bottom	196	LF	0%	196.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 137.20	
677	R-13 +R-6.5 Batt Insulation	3195	SF	0%	3194.80	\$ 1.60	\$ 0.65	\$ 2.25	\$ 7,188.30	
678	8" MTL Studs @ 16" O.C	3195	SF	0%	3194.80	\$ 1.56	\$ 1.30	\$ 2.86	\$ 9,137.13	
679	8" MTL Track T&B	196	LF	0%	196.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 1,099.56	
	Exterior Wall '5' (L: 65'-0" , H: 32'-6")									
680	1 Layer of 5/8" GWB on One Side	2119	SF	0%	2119.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 4,513.47	
681	4'x8' GB Sheet	67	Sheets	0%	67.00	\$ -	\$ -	\$ -	\$ -	
682	500' Tape Roll	4	Rolls	0%	4.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 2,080.00	
683	Joint Compound	11	Gallons	0%	11.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 341.00	
684	1-1/4" Drywall Screws	12	Pounds	0%	12.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 240.00	
685	1 Layer Interior Panel on One Side	299	SF	0%	299.00	\$ 2.20	\$ 1.00	\$ 3.20	\$ 956.80	
686	Z-Girts Cont @ 5'-0" O.C	416	LF	0%	416.00	\$ 1.14	\$ 1.00	\$ 2.14	\$ 890.24	
687	Sealent @ top and bottom	130	LF	0%	130.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 91.00	
688	1 Layer of Plywood	1300	SF	0%	1300.00	\$ 2.10	\$ 1.18	\$ 3.28	\$ 4,264.00	
689	R-13 +R-6.5 Batt Insulation	2119	SF	0%	2119.00	\$ 1.60	\$ 0.65	\$ 2.25	\$ 4,767.75	
690	8" MTL Studs @ 16" O.C	2119	SF	0%	2119.00	\$ 1.56	\$ 1.30	\$ 2.86	\$ 6,060.34	
691	8" MTL Track T&B	130	LF	0%	130.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 729.30	
	Exterior Wall '6' (L: 65'-0" , H: 32'-6")									
692	1 Layer of 5/8" GWB on One Side	2119	SF	0%	2119.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 4,513.47	
693	4'x8' GB Sheet	67	Sheets	0%	67.00	\$ -	\$ -	\$ -	\$ -	
694	500' Tape Roll	4	Rolls	0%	4.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 2,080.00	
695	Joint Compound	11	Gallons	0%	11.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 341.00	
696	1-1/4" Drywall Screws	12	Pounds	0%	12.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 240.00	
697	1 Layer Interior Panel on One Side	949	SF	0%	949.00	\$ 2.20	\$ 1.00	\$ 3.20	\$ 3,036.80	
698	Z-Girts Cont @ 5'-0" O.C	423	LF	0%	422.50	\$ 1.14	\$ 1.00	\$ 2.14	\$ 904.15	
699	Sealent @ top and bottom	130	LF	0%	130.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 91.00	
700	R-13 +R-6.5 Batt Insulation	2119	SF	0%	2119.00	\$ 1.60	\$ 0.65	\$ 2.25	\$ 4,767.75	
701	8" MTL Studs @ 16" O.C	2119	SF	0%	2119.00	\$ 1.56	\$ 1.30	\$ 2.86	\$ 6,060.34	
702	8" MTL Track T&B	130	LF	0%	130.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 729.30	
	Exterior Wall '7' (L: 131'-0" , H: 11'-6")									
703	1 Layer Interior Panel on One Side	1005	SF	0%	1004.51	\$ 2.20	\$ 1.00	\$ 3.20	\$ 3,214.43	
704	Z-Girts Cont @ 5'-0" O.C	603	LF	0%	602.60	\$ 1.14	\$ 1.00	\$ 2.14	\$ 1,289.56	
705	1 Layer of Plywood	786	SF	0%	786.00	\$ 2.10	\$ 1.18	\$ 3.28	\$ 2,578.08	
706	8" MTL Studs @ 16" O.C	2297	SF	0%	2296.80	\$ 1.56	\$ 1.30	\$ 2.86	\$ 6,568.85	
707	8" MTL Track T&B	396	LF	0%	396.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 2,221.56	
	Exterior Wall '8' (L: 40'-0" , H: 19'-0")									
708	R-13 +R-6.5 Batt Insulation	760	SF	0%	760.00	\$ 1.60	\$ 0.65	\$ 2.25	\$ 1,710.00	
709	8" MTL Studs @ 16" O.C	760	SF	0%	760.00	\$ 1.56	\$ 1.30	\$ 2.86	\$ 2,173.60	
710	8" MTL Track T&B	160	LF	0%	160.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 897.60	
	Interior Wall '4' (L: 104'-0" , H: 11'-6")									
711	1 Layer of Linear Panel Each Side	2392	SF	0%	2392.00	\$ 2.20	\$ 1.00	\$ 3.20	\$ 7,654.40	
712	8" MTL Studs @ 16" O.C	1196	SF	0%	1196.00	\$ 1.56	\$ 1.30	\$ 2.86	\$ 3,420.56	
713	8" MTL Track T&B	208	LF	0%	208.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 1,166.88	
	Interior Wall '5' (L: 53'-0" , H: 11'-6")									
714	1 Layer of Linear Panel Each Side	1219	SF	0%	1219.00	\$ 2.20	\$ 1.00	\$ 3.20	\$ 3,900.80	
715	8" MTL Studs @ 16" O.C	610	SF	0%	609.50	\$ 1.56	\$ 1.30	\$ 2.86	\$ 1,743.17	
716	8" MTL Track T&B	106	LF	0%	106.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 594.66	
	Interior Wall '6' (L: 8'-0" , H: 11'-6")									
717	1 Layer of Linear Panel Each Side	184	SF	0%	184.00	\$ 2.20	\$ 1.00	\$ 3.20	\$ 588.80	
718	8" MTL Studs @ 16" O.C	92	SF	0%	92.00	\$ 1.56	\$ 1.30	\$ 2.86	\$ 263.12	
719	8" MTL Track T&B	16	LF	0%	16.00	\$ 3.36	\$ 2.25	\$ 5.61	\$ 89.76	
	Mezzanine Walls									
	Interior Wall '1' (L: 216'-0" , H: 13'-0")									
720	1 Layer of 5/8" GWB on Each Side	5616	SF	0%	5616.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 11,962.08	
721	4'x8' GB Sheet	176	Sheets	0%	176.00	\$ -	\$ -	\$ -	\$ -	
722	500' Tape Roll	9	Rolls	0%	9.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 4,680.00	
723	Joint Compound	29	Gallons	0%	29.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 899.00	
724	1-1/4" Drywall Screws	30	Pounds	0%	30.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 600.00	
725	1 Layer of Plywood	1290	SF	0%	1290.00	\$ 2.10	\$ 1.18	\$ 3.28	\$ 4,231.20	
726	Sealent @ top and bottom	864	LF	0%	864.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 604.80	
727	6-1/2" Sound Batt Insulation	2808	SF	0%	2808.00	\$ 1.70	\$ 0.75	\$ 2.45	\$ 6,879.60	
728	6" MTL Studs @ 16" O.C	2808	SF	0%	2808.00	\$ 1.30	\$ 1.27	\$ 2.57	\$ 7,216.56	
729	6" MTL Track T&B	432	LF	0%	432.00	\$ 2.00	\$ 1.97	\$ 3.97	\$ 1,715.04	
	Interior Wall '2' (L: 39'-0" , H: 13'-0")									
730	1 Layer of 5/8" GWB on Each Side	1014	SF	0%	1014.00	\$ 1.55	\$ 0.58	\$ 2.13	\$ 2,159.82	
731	4'x8' GB Sheet	32	Sheets	0%	32.00	\$ -	\$ -	\$ -	\$ -	
732	500' Tape Roll	2	Rolls	0%	2.00	\$ 140.00	\$ 380.00	\$ 520.00	\$ 1,040.00	
733	Joint Compound	6	Gallons	0%	6.00	\$ 24.00	\$ 7.00	\$ 31.00	\$ 186.00	
734	1-1/4" Drywall Screws	6	Pounds	0%	6.00	\$ 16.00	\$ 4.00	\$ 20.00	\$ 120.00	
735	1 Layer of Plywood	234	SF	0%	234.00	\$ 2.10	\$ 1.18	\$ 3.28	\$ 767.52	
736	Sealent @ top and bottom	156	LF	0%	156.00	\$ 0.18	\$ 0.52	\$ 0.70	\$ 109.20	
737	3-1/2" Sound Batt Insulation	507	SF	0%	507.00	\$ 1.56	\$ 0.60	\$ 2.16	\$ 1,095.12	
738	3-5/8" MTL Studs @ 16" O.C	507	SF	0%	507.00	\$ 1.19	\$ 1.16	\$ 2.35	\$ 1,191.45	
739	3-5/8" MTL Track T&B	78	LF	0%	78.00	\$ 1.81	\$ 1.78	\$ 3.59	\$ 280.02	
	Interior Wall '3' (L: 10'-0" , H: 10'-6")									
740	1 Layer of Plywood	105	SF	0%	105.00	\$ 2.10	\$ 1.18	\$ 3.28	\$ 344.40	
741	3-5/8" MTL Studs @ 16" O.C	105	SF	0%	105.00	\$ 1.19	\$ 1.16	\$ 2.35	\$ 246.75	
742	3-5/8" MTL Track T&B	20	LF	0%	20.00	\$ 1.81	\$ 1.78	\$ 3.59	\$ 71.80	
	Ceiling									
	Ground Floor									
	ACT Ceiling									
743	(2 x 4) Square Edge Acoustical Ceiling Tiles 'ACT-1'	8715	SF	0%	8715.00	\$ 3.86	\$ 1.30	\$ 5.16	\$ 44,969.40	
744	(2 x 6) Square Edge Viny Cover Acoustical Ceiling Tiles 'ACT-2'	2543	SF	0%	2543.00	\$ 4.25	\$ 1.44	\$ 5.69	\$ 14,469.67	
	GWB Ceiling									
745	(5/8") Gypsum Board Ceiling	744	SF	0%	744.00	\$ 0.90	\$ 1.94	\$ 2.84	\$ 2,112.96	
746	(5/8") Moisture Resistant Gypsum Board Ceiling	687	SF	0%	687.00	\$ 0.95	\$ 1.98	\$ 2.93	\$ 2,012.91	
	Ceiling Panel									
747	PENB Prefinished Flat Metal Soffit Panel	615	SF	0%	615.00	\$ 8.66	\$ 3			

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
823	(1'-8" W) Solid surface Bench w/ heavy duty steel brackets 30" O.C. '24' Corner Guard	53	LF	0%	53.00	\$ 110.00	\$ 320.00	\$ 430.00	\$ 22,790.00	
824	(2") Stainless Steel Corner Guard 'CG-1'	107	EA	0%	107.00	\$ 70.00	\$ 45.00	\$ 115.00	\$ 12,305.00	
825	(4") Heavy Duty Rubber Corner Guard 'CG-2' Door Trims	8	EA	0%	8.00	\$ 90.00	\$ 64.00	\$ 154.00	\$ 1,232.00	
826	Door Trims	2714	LF	0%	2714.00	\$ 3.60	\$ 2.90	\$ 6.50	\$ 17,641.00	
Sub Total										\$208,244
FURNISHING										
	Countertop									
	Parts Counter 102									
827	Plywood Countertop w/ P-lam Finish & 3mm Edge Banding	37	SF	0%	37.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 4,255.00	
828	Plywood Countertop w/ 14 Ga Stainless Steel, Satin Finish	92	SF	0%	92.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 10,580.00	
829	Counter Sides - 3/4" Plywood w/ Vertical Wood Grain Palm Finish - Stainless Steel Finish on Steel around Back Edge & Four (2"x2") Steel Angle	76	SF	0%	76.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 8,740.00	
	Retail Parts 101									
830	Solid Surface Countertop 18" Heavy Duty Steel Bracket (black) Provide Backing In Wall For Support	24	SF	0%	24.00	\$ 50.00	\$ 88.00	\$ 138.00	\$ 3,312.00	
831	Counter Sides - 3/4" Plywood w/ Palm Finish & Accent Color	51	SF	0%	51.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 5,865.00	
832	(3/4") Solid Surface Countertop	11	SF	0%	11.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 1,265.00	
833	Plywood Countertop w/ P-lam Finish	24	SF	0%	24.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 2,760.00	
	Corridor 103									
834	Plywood Countertop w/ P-lam Finish & 3mm Edge Banding	4	SF	0%	4.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 460.00	
	Will Call 113									
835	Plywood Countertop w/ 14 Ga Stainless Steel Stain Finish	20	SF	0%	20.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 2,300.00	
836	Counter Sides - Polished Aluminium Tread Plate Mounted w/ Adhesive, Screwd & Finish Washers (w/ Three 2"x2" Stainless Steel Angle Stain Finish)	19	SF	0%	19.00	\$ 40.00	\$ 90.00	\$ 130.00	\$ 2,470.00	
837	Plas. Lam. Countertop 3mm Thick Pvc Edge Banding	11	SF	0%	11.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 1,265.00	
	Service 152									
838	Plywood Countertop w/ P-lam Finish	82	SF	0%	82.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 9,430.00	
839	Counter Sides - Polished Aluminium Tread Plate Mounted w/ Adhesive, Screwd & Finish Washers (w/ Seven 2"x2" Stainless Steel Angle Stain Finish)	71	SF	0%	71.00	\$ 40.00	\$ 90.00	\$ 130.00	\$ 9,230.00	
	Janitor 151									
840	Stainless Steel Sheet w/ Sink and Accessories	4	SF	0%	4.00	\$ 56.00	\$ 120.00	\$ 176.00	\$ 704.00	
	Drivers Lounge 149									
841	(3/4") Solid Surface Countertop	14	SF	0%	14.00	\$ 50.00	\$ 88.00	\$ 138.00	\$ 1,932.00	
842	(3/4") Solid Surface Top Edge	5	SF	0%	5.00	\$ 50.00	\$ 88.00	\$ 138.00	\$ 690.00	
843	(3/4") Solid Surface Countertop & 18" Heavy Duty Steel Bracket (black) Provide Backing In Wall For Support	37	SF	0%	37.00	\$ 50.00	\$ 88.00	\$ 138.00	\$ 5,106.00	
	Break 160									
844	Plywood Countertop w/ P-lam Finish	25	SF	0%	25.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 2,875.00	
845	(3/4") Solid Surface Countertop	21	SF	0%	21.00	\$ 50.00	\$ 88.00	\$ 138.00	\$ 2,898.00	
	Forman Backparts 163A									
846	Plywood Countertop with 14 GA Stainless Steel, Stain Finish	96	SF	0%	96.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 11,040.00	
847	Counter Side - Polished Aluminium Tread Plate Mounted w/ Adhesive, Screwd & Finish Washers (w/ Six 2"x2" Stainless Steel Angle Stain Finish)	45	SF	0%	45.00	\$ 50.00	\$ 88.00	\$ 138.00	\$ 6,210.00	
848	Counter Side - (3/4") Plywood w/ Palm Finish & 3mm Edge Banding	32	SF	0%	32.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 3,680.00	
	Corridor 133									
849	Plywood Countertop w/ P-lam Finish	16	SF	0%	16.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 1,840.00	
850	(4" High) Splashback w/ P-lam Finish & (3mm) Edgebanding	2	SF	0%	2.00	\$ 10.00	\$ 30.00	\$ 40.00	\$ 80.00	
851	(4" High) Back Splash w/ 3mm Thick Pvc Edge Banding	2	SF	0%	2.00	\$ 10.00	\$ 30.00	\$ 40.00	\$ 80.00	
	Cashier 107									
852	Plywood Countertop w/ P-lam Finish & 3mm Edge Banding	18	SF	0%	18.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 2,070.00	
	Break 140									
853	(3/4") Solid Surface Countertop	35	SF	0%	35.00	\$ 35.00	\$ 80.00	\$ 115.00	\$ 4,025.00	
	Mens 159									
854	Multiple Station Hand Sink Countertop	3	SF	0%	3.00	\$ 45.00	\$ 90.00	\$ 135.00	\$ 405.00	
	Splashback									
	Drivers Lounge 149									
855	(3/4") Solid Surface Countertop Backsplash	3	SF	0%	3.00	\$ 10.00	\$ 30.00	\$ 40.00	\$ 120.00	
	Break 160									
856	Backsplash Plywood With/ P-lam Finish	4	SF	0%	4.00	\$ 12.00	\$ 40.00	\$ 52.00	\$ 208.00	
857	(3/4") Solid Surface Backsplash	5	SF	0%	5.00	\$ 10.00	\$ 30.00	\$ 40.00	\$ 200.00	
	Break 140									
858	(3/4") Solid Surface BackSplash Awnings	7	SF	0%	7.00	\$ 10.00	\$ 30.00	\$ 40.00	\$ 280.00	
859	Cantilevered Awning - T Soffit Panel	311	SF	0%	311.00	\$ 10.34	\$ 28.60	\$ 38.94	\$ 12,110.34	
Sub Total										\$118,485
HEATING VENTILATION & AIR CONDITION										
	Ducts									
	Supply Air Ducts 'SAD'									
860	(10".Dia) Supply Air Duct 'SAD'	35	LF	0%	35.00	\$ 20.00	\$ 9.20	\$ 29.20	\$ 1,022.00	
861	(10".Dia) Supply Air Duct 'SAD'	30	LF	0%	30.00	\$ 20.00	\$ 9.20	\$ 29.20	\$ 876.00	
862	(10".Dia) Supply Air Duct 'SAD'	23	LF	0%	23.00	\$ 20.00	\$ 9.20	\$ 29.20	\$ 671.60	
863	(10"x10") Supply Air Duct 'SAD'	52	LF	0%	52.00	\$ 22.00	\$ 10.12	\$ 32.12	\$ 1,670.24	
864	(10"x10") Supply Air Duct 'SAD'	44	LF	0%	44.00	\$ 22.00	\$ 10.12	\$ 32.12	\$ 1,413.28	
865	(10"x12") Supply Air Duct 'SAD'	36	LF	0%	36.00	\$ 23.00	\$ 10.58	\$ 33.58	\$ 1,208.88	
866	(12"x10") Supply Air Duct 'SAD'	72	LF	0%	72.00	\$ 24.00	\$ 11.04	\$ 35.04	\$ 2,522.88	
867	(12"x12") Supply Air Duct 'SAD'	73	LF	0%	73.00	\$ 25.00	\$ 11.50	\$ 36.50	\$ 2,664.50	
868	(14".Dia) Supply Air Duct 'SAD'	26	LF	0%	26.00	\$ 28.00	\$ 12.88	\$ 40.88	\$ 1,062.88	
869	(14"x12") Supply Air Duct 'SAD'	46	LF	0%	46.00	\$ 29.00	\$ 13.34	\$ 42.34	\$ 1,947.64	
870	(14"x14") Supply Air Duct 'SAD'	36	LF	0%	36.00	\$ 30.00	\$ 13.80	\$ 43.80	\$ 1,576.80	
871	(14"x16") Supply Air Duct 'SAD'	15	LF	0%	15.00	\$ 31.00	\$ 14.26	\$ 45.26	\$ 678.90	
872	(16"x12") Supply Air Duct 'SAD'	26	LF	0%	26.00	\$ 33.00	\$ 15.18	\$ 48.18	\$ 1,252.68	
873	(16"x14") Supply Air Duct 'SAD'	25	LF	0%	25.00	\$ 33.50	\$ 15.41	\$ 48.91	\$ 1,222.75	
874	(18"x12") Supply Air Duct 'SAD'	28	LF	0%	28.00	\$ 36.00	\$ 16.56	\$ 52.56	\$ 1,471.68	
875	(18"x16") Supply Air Duct 'SAD'	59	LF	0%	59.00	\$ 37.00	\$ 17.02	\$ 54.02	\$ 3,187.18	
876	(24"x20") Supply Air Duct 'SAD'	28	LF	0%	28.00	\$ 48.00	\$ 22.08	\$ 70.08	\$ 1,962.24	
877	(26"x16") Supply Air Duct 'SAD'	24	LF	0%	24.00	\$ 52.00	\$ 23.92	\$ 75.92	\$ 1,822.08	
878	(26"x18") Supply Air Duct 'SAD'	25	LF	0%	25.00	\$ 52.50	\$ 24.15	\$ 76.65	\$ 1,916.25	
879	(32"x18") Supply Air Duct 'SAD'	20	LF	0%	20.00	\$ 64.00	\$ 29.44	\$ 93.44	\$ 1,868.80	
880	(4"x8") Supply Air Duct 'SAD'	41	LF	0%	41.00	\$ 10.30	\$ 4.74	\$ 15.04	\$ 616.56	
881	(6".Dia) Supply Air Duct 'SAD'	149	LF	0%	149.00	\$ 13.00	\$ 5.98	\$ 18.98	\$ 2,828.02	
882	(6"x12") Supply Air Duct 'SAD'	11	LF	0%	11.00	\$ 14.60	\$ 6.72	\$ 21.32	\$ 234.48	
883	(8".Dia) Supply Air Duct 'SAD'	407	LF	0%	407.00	\$ 17.00	\$ 7.82	\$ 24.82	\$ 10,101.74	
884	(18"x34") Supply Air Duct 'SAD'	11	LF	0%	11.00	\$ 42.65	\$ 19.62	\$ 62.27	\$ 684.96	
	Return Air Ducts 'RAD'									
885	(10"x10") Return Air Duct 'RAD'	23	LF	0%	23.00	\$ 22.00	\$ 10.12	\$ 32.12	\$ 738.76	
886	(12"x10") Return Air Duct 'RAD'	2	LF	0%	2.00	\$ 24.00	\$ 11.04	\$ 35.04	\$ 70.08	
887	(12"x12") Return Air Duct 'RAD'	61	LF	0%	61.00	\$ 25.00	\$ 11.50	\$ 36.50	\$ 2,226.50	
888	(14".Dia) Return Air Duct 'RAD'	3	LF	0%	3.00	\$ 28.00	\$ 12.88	\$ 40.88	\$ 122.64	
889	(14"x14") Return Air Duct 'RAD'	3	LF	0%	3.00	\$ 30.00	\$ 13.80	\$ 43.80	\$ 131.40	
890	(14"x16") Return Air Duct 'RAD'	21	LF	0%	21.00	\$ 31.00	\$ 14.26	\$ 45.26	\$ 950.46	
891	(16"x14") Return Air Duct 'RAD'	89	LF	0%	89.00	\$ 33.50	\$ 15.41	\$ 48.91	\$ 4,352.99	
892	(18"x12") Return Air Duct 'RAD'	104	LF	0%	104.00	\$ 36.00	\$ 16.56	\$ 52.56	\$ 5,466.24	
893	(18"x18") Return Air Duct 'RAD'	7	LF	0%	7.00	\$ 38.00	\$ 17.48	\$ 55.48	\$ 388.36	
894	(22"x10") Return Air Duct 'RAD'	70	LF	0%	70.00	\$ 42.00	\$ 19.32	\$ 61.32	\$ 4,292.40	
895	(24"x14") Return Air Duct 'RAD'	37	LF	0%	37.00	\$ 49.00	\$ 22.54	\$ 71.54	\$ 2,646.98	
896	(24"x18") Return Air Duct 'RAD'	14	LF	0%	14.00	\$ 50.00	\$ 23.00	\$ 73.00	\$ 1,022.00	
897	(24"x22") Return Air Duct 'RAD'	27	LF	0%	27.00	\$ 54.00	\$ 24.84	\$ 78.84	\$ 2,128.68	
898	(32"x18") Return Air Duct 'RAD'	4	LF	0%	4.00	\$ 64.00	\$ 29.44	\$ 93.44	\$ 373.76	
899	(8"x6") Return Air Duct 'RAD'	6	LF	0%	6.00	\$ 17.00	\$ 7.82	\$ 24.82	\$ 148.92	
900	(8"x8") Return Air Duct 'RAD'	40	LF	0%	40.00	\$ 17.50	\$ 8.05	\$ 25.55	\$ 1,022.00	
901	(8"x8") Return Air Duct 'RAD'	13	LF	0%	13.00	\$ 17.50	\$ 8.05	\$ 25.55	\$ 332.15	
902	(18"x34") Return Duct w/ Mitered Elbow Tight	28	LF	0%	28.00	\$ 45.00	\$ 20.70	\$ 65.70	\$ 1,839.60	
	Exhaust Air Duct 'EAD'									
903	(8"x8") Exhaust Air Duct 'EAD'	13	LF	0%	13.00	\$ 17.50	\$ 8.05	\$ 25.55	\$ 332.15	
904	(10"x10") Exhaust Air Duct 'EAD'	25	LF	0%	25.00	\$ 22.00	\$ 10.12	\$ 32.12	\$ 803.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
905	(6" Dia) Exhaust Air Duct 'EAD'	14	LF	0%	14.00	\$ 14.60	\$ 6.72	\$ 21.32	\$ 298.42	
906	(14"x14") Exhaust Air Duct 'EAD'	12	LF	0%	12.00	\$ 30.00	\$ 13.80	\$ 43.80	\$ 525.60	
907	(30"x30") Exhaust Air Duct 'EAD'	5	LF	0%	5.00	\$ 62.00	\$ 28.52	\$ 90.52	\$ 452.60	
	Transfer Air Duct 'TD'									
908	(24"x10") Transfer Air Duct 'TAD'	3	LF	0%	3.00	\$ 50.00	\$ 23.00	\$ 73.00	\$ 219.00	
909	(40"x18") Transfer Duct 'TD'	2	LF	0%	2.00	\$ 80.00	\$ 36.80	\$ 116.80	\$ 233.60	
910	(24"x20") Transfer Duct 'TD'	2	LF	0%	2.00	\$ 54.00	\$ 24.84	\$ 78.84	\$ 157.68	
	Fittings									
	Bends									
911	(10".Dia & 45 Degree) Supply Air Duct 'SAD' Bend	6	EA	0%	6.00	\$ 44.00	\$ 110.00	\$ 154.00	\$ 924.00	
912	(10".Dia & 90 Degree) Supply Air Duct 'SAD' Bend	16	EA	0%	16.00	\$ 44.00	\$ 110.00	\$ 154.00	\$ 2,464.00	
913	(10"x10" & 90 Degere) Return Air Duct 'RAD' Bend	3	EA	0%	3.00	\$ 46.00	\$ 115.00	\$ 161.00	\$ 483.00	
914	(10"x10" & 90 Degree) Return Air Duct 'RAD' Bend	1	EA	0%	1.00	\$ 46.00	\$ 115.00	\$ 161.00	\$ 161.00	
915	(12"X10" & 90 Degere) Supply Air Duct 'SAD' Bend	1	EA	0%	1.00	\$ 55.00	\$ 138.00	\$ 193.00	\$ 193.00	
916	(12"x12" & 90 Degere) Return Air Duct 'RAD' Bend	1	EA	0%	1.00	\$ 57.00	\$ 142.00	\$ 199.00	\$ 199.00	
917	(14"x16" & 90 Degree) Supply Air Duct 'SAD' Bend	1	EA	0%	1.00	\$ 64.00	\$ 159.00	\$ 223.00	\$ 223.00	
918	(16"X12" & 90 Degere) Supply Air Duct 'SAD' Bend	1	EA	0%	1.00	\$ 72.00	\$ 180.00	\$ 252.00	\$ 252.00	
919	(16"X14" & 90 Degere) Supply Air Duct 'SAD' Bend	1	EA	0%	1.00	\$ 75.00	\$ 188.00	\$ 263.00	\$ 263.00	
920	(16"X14" & 90 Degree) Return Air Duct 'RAD' Bend	2	EA	0%	2.00	\$ 75.00	\$ 188.00	\$ 263.00	\$ 526.00	
921	(18"X12" & 90 Degere) Supply Air Duct 'SAD' Bend	1	EA	0%	1.00	\$ 82.00	\$ 206.00	\$ 288.00	\$ 288.00	
922	(22"x10" & 45 Degere) Return Air Duct 'RAD' Bend	3	EA	0%	3.00	\$ 100.00	\$ 248.00	\$ 348.00	\$ 1,044.00	
923	(22"x10" & 90 Degree) Return Air Duct 'RAD' Bend	4	EA	0%	4.00	\$ 100.00	\$ 248.00	\$ 348.00	\$ 1,392.00	
924	(26"X16" & 90 Degree) Supply Air Duct 'SAD' Bend	1	EA	0%	1.00	\$ 111.00	\$ 278.00	\$ 389.00	\$ 389.00	
925	(6".Dia & 45 Degere) Supply Air Duct 'SAD' Bend	17	EA	0%	17.00	\$ 28.00	\$ 70.00	\$ 98.00	\$ 1,666.00	
926	(6".Dia & 90 Degere) Supply Air Duct 'SAD' Bend	1	EA	0%	1.00	\$ 28.00	\$ 70.00	\$ 98.00	\$ 98.00	
927	(6".Dia & 90 Degere) Supply Air Duct 'SAD' Bend	2	EA	0%	2.00	\$ 28.00	\$ 70.00	\$ 98.00	\$ 196.00	
928	(8".Dia & 45 Degree) Supply Air Duct 'SAD' Bend	23	EA	0%	23.00	\$ 37.00	\$ 92.00	\$ 129.00	\$ 2,967.00	
929	(8"x6" & 90 Degere) Return Air Duct 'RAD' Bend	1	EA	0%	1.00	\$ 38.00	\$ 96.00	\$ 134.00	\$ 134.00	
930	(8"x8" & 90 Degree) Return Air Duct 'RAD' Bend	5	EA	0%	5.00	\$ 40.00	\$ 99.00	\$ 139.00	\$ 695.00	
	Tees									
931	(10"x10" & 90 Degree) Exhaust Air Duct 'EAD' Tee	3	EA	0%	3.00	\$ 50.00	\$ 124.00	\$ 174.00	\$ 522.00	
932	(10"x10" & 90 Degree) Return Air Duct 'RAD' Tee	3	EA	0%	3.00	\$ 50.00	\$ 124.00	\$ 174.00	\$ 522.00	
933	(12"x10" & 90 Degree) Return Air Duct 'RAD' Tee	1	EA	0%	1.00	\$ 59.00	\$ 148.00	\$ 207.00	\$ 207.00	
934	(12"x12" & 90 Degree) Return Air Duct 'RAD' Tee	1	EA	0%	1.00	\$ 61.00	\$ 153.00	\$ 214.00	\$ 214.00	
935	(14".Dia & 90 Degree) Return Air Duct 'RAD' Tee	1	EA	0%	1.00	\$ 69.00	\$ 172.00	\$ 241.00	\$ 241.00	
936	(14".Dia & 90 Degree) Supply Air Duct 'SAD' Tee	1	EA	0%	1.00	\$ 69.00	\$ 172.00	\$ 241.00	\$ 241.00	
937	(14"x14" & 90 Degree) Return Air Duct 'RAD' Tee	1	EA	0%	1.00	\$ 74.00	\$ 185.00	\$ 259.00	\$ 259.00	
938	(14"x16" & 90 Degree) Return Air Duct 'RAD' Tee	1	EA	0%	1.00	\$ 76.00	\$ 189.00	\$ 265.00	\$ 265.00	
939	(16"X14" & 90 Degree) Supply Air Duct 'SAD' Tee	1	EA	0%	1.00	\$ 84.00	\$ 210.00	\$ 294.00	\$ 294.00	
940	(18"x18" & 90 Degree) Return Air Duct 'RAD' Tee	1	EA	0%	1.00	\$ 90.00	\$ 224.00	\$ 314.00	\$ 314.00	
941	(22"x10" & 90 Degree) Return Air Duct 'RAD' Tee	4	EA	0%	4.00	\$ 98.00	\$ 246.00	\$ 344.00	\$ 1,376.00	
942	(24"X20" & 90 Degree) Supply Air Duct 'SAD' Tee	2	EA	0%	2.00	\$ 108.00	\$ 267.00	\$ 375.00	\$ 750.00	
943	(6".Dia & 90 Degree) Supply Air Duct 'SAD' Tee	16	EA	0%	16.00	\$ 31.00	\$ 78.00	\$ 109.00	\$ 1,744.00	
944	(8".Dia & 90 Degree) Supply Air Duct 'SAD' Tee	51	EA	0%	51.00	\$ 38.00	\$ 95.00	\$ 133.00	\$ 6,783.00	
945	(8"x8" & 90 Degree) Return Air Duct 'RAD' Tee	19	EA	0%	19.00	\$ 42.00	\$ 106.00	\$ 148.00	\$ 2,812.00	
	Transitions									
946	(10"X10" To 14"x12") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 52.00	\$ 130.00	\$ 182.00	\$ 182.00	
947	(10"X10" To 16"x12") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 55.00	\$ 136.00	\$ 191.00	\$ 191.00	
948	(10"X10" To 6".Dia) Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 50.00	\$ 125.00	\$ 175.00	\$ 175.00	
949	(12"X10" To 14"x10") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 64.00	\$ 159.00	\$ 223.00	\$ 223.00	
950	(12"X12" To 18"x16") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 66.00	\$ 164.00	\$ 230.00	\$ 230.00	
951	(12"X12" To 24"x20") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 67.00	\$ 167.00	\$ 234.00	\$ 234.00	
952	(14"X12" To 26"x14") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 74.00	\$ 184.00	\$ 258.00	\$ 258.00	
953	(14"X14" To 18"x16") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 75.00	\$ 188.00	\$ 263.00	\$ 263.00	
954	(14"X22" To 10"x10") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 82.00	\$ 206.00	\$ 288.00	\$ 288.00	
955	(16"X14" To 10"x10") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 84.00	\$ 210.00	\$ 294.00	\$ 294.00	
956	(18"X12" To 12"x12") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 88.00	\$ 219.00	\$ 307.00	\$ 307.00	
957	(18"X16" To 12"x12") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 92.00	\$ 230.00	\$ 322.00	\$ 322.00	
958	(18"X16" To 22"x16") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 95.00	\$ 236.00	\$ 331.00	\$ 331.00	
959	(20"X18" To 10"x10") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 102.00	\$ 254.00	\$ 356.00	\$ 356.00	
960	(20"X18" To 18"x12") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 104.00	\$ 259.00	\$ 363.00	\$ 363.00	
961	(24"X20" To 18"x16") Supply Air Duct 'SAD' Transition	1	EA	0%	1.00	\$ 122.00	\$ 306.00	\$ 428.00	\$ 428.00	
962	(24"X22" To 22"x10") Return Air Duct 'RAD' Transition	1	EA	0%	1.00	\$ 128.00	\$ 320.00	\$ 448.00	\$ 448.00	
963	(32"X18" To 22"x10") Return Air Duct 'RAD' Transition	1	EA	0%	1.00	\$ 151.00	\$ 377.00	\$ 528.00	\$ 528.00	
	Turning Veins									
964	(12"X10" & 90 Degree) Supply Air Duct 'SAD' Turning Vein	1	EA	0%	1.00	\$ 66.00	\$ 165.00	\$ 231.00	\$ 231.00	
965	(14"x16" & 90 Degree) Supply Air Duct 'SAD' Turning Vein	1	EA	0%	1.00	\$ 75.00	\$ 188.00	\$ 263.00	\$ 263.00	
966	(16"X12" & 90 Degree) Supply Air Duct 'SAD' Turning Vein	1	EA	0%	1.00	\$ 86.00	\$ 216.00	\$ 302.00	\$ 302.00	
967	(26"X16" & 90 Degree) Supply Air Duct 'SAD' Turning Vein	1	EA	0%	1.00	\$ 146.00	\$ 366.00	\$ 512.00	\$ 512.00	
968	(26"X18" & 90 Degree) Supply Air Duct 'SAD' Turning Vein	1	EA	0%	1.00	\$ 150.00	\$ 375.00	\$ 525.00	\$ 525.00	
	Fixtures									
	Diffusers									
969	Supply Air Diffuser w/ 90-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 67.00	\$ 167.00	\$ 234.00	\$ 234.00	
970	Supply Air Diffuser w/ 100-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 71.00	\$ 178.00	\$ 249.00	\$ 498.00	
971	Supply Air Diffuser w/ 95-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 69.00	\$ 172.00	\$ 241.00	\$ 482.00	
972	Supply Air Diffuser w/ 40-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 48.00	\$ 120.00	\$ 168.00	\$ 168.00	
973	Supply Air Diffuser w/ 80-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 62.00	\$ 154.00	\$ 216.00	\$ 216.00	
974	Supply Air Diffuser w/ 65-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 56.00	\$ 140.00	\$ 196.00	\$ 196.00	
975	Supply Air Diffuser w/ 50-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 52.00	\$ 130.00	\$ 182.00	\$ 364.00	
976	Supply Air Diffuser w/ 60-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 55.00	\$ 138.00	\$ 193.00	\$ 386.00	
977	Supply Air Diffuser w/ 100-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 71.00	\$ 178.00	\$ 249.00	\$ 498.00	
978	Supply Air Diffuser w/ 75-CFM - 'SD-1' - Manufacturer: TITUS - Model: OMNI	3	EA	0%	3.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 630.00	
979	Supply Air Diffuser w/ 190-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	10	EA	0%	10.00	\$ 102.00	\$ 256.00	\$ 358.00	\$ 3,580.00	
980	Supply Air Diffuser w/ 150-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 88.00	\$ 219.00	\$ 307.00	\$ 307.00	
981	Supply Air Diffuser w/ 165-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 94.00	\$ 234.00	\$ 328.00	\$ 328.00	
982	Supply Air Diffuser w/ 110-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 76.00	\$ 190.00	\$ 266.00	\$ 532.00	
983	Supply Air Diffuser w/ 140-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	6	EA	0%	6.00	\$ 84.00	\$ 210.00	\$ 294.00	\$ 1,764.00	
984	Supply Air Diffuser w/ 105-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	3	EA	0%	3.00	\$ 74.00	\$ 185.00	\$ 259.00	\$ 777.00	
985	Supply Air Diffuser w/ 160-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	4	EA	0%	4.00	\$ 92.00	\$ 230.00	\$ 322.00	\$ 1,288.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
986	Supply Air Diffuser w/ 140-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 80.00	\$ 200.00	\$ 280.00	\$ 280.00	
987	Supply Air Diffuser w/ 40-CFM - 'SD-5'	3	EA	0%	3.00	\$ 48.00	\$ 120.00	\$ 168.00	\$ 504.00	
988	Supply Air Diffuser w/ 180-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	7	EA	0%	7.00	\$ 98.00	\$ 246.00	\$ 344.00	\$ 2,408.00	
989	Supply Air Diffuser w/ 110-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 76.00	\$ 190.00	\$ 266.00	\$ 266.00	
990	Supply Air Diffuser w/ 185-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 104.00	\$ 259.00	\$ 363.00	\$ 363.00	
991	Supply Air Diffuser w/ 200-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 112.00	\$ 280.00	\$ 392.00	\$ 784.00	
992	Supply Air Diffuser w/ 120-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 78.00	\$ 194.00	\$ 272.00	\$ 272.00	
993	Supply Air Diffuser w/ 100-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 72.00	\$ 178.00	\$ 250.00	\$ 250.00	
994	Supply Air Diffuser w/ 240-CFM - 'SD-2' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 130.00	\$ 325.00	\$ 455.00	\$ 910.00	
995	Supply Air Diffuser w/ 250-CFM - 'SD-3' - Manufacturer: TITUS - Model: OMNI	2	EA	0%	2.00	\$ 136.00	\$ 338.00	\$ 474.00	\$ 948.00	
996	Supply Air Diffuser w/ 260-CFM - 'SD-3' - Manufacturer: TITUS - Model: OMNI	4	EA	0%	4.00	\$ 140.00	\$ 349.00	\$ 489.00	\$ 1,956.00	
997	Supply Air Diffuser w/ 275-CFM - 'SD-3' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 148.00	\$ 370.00	\$ 518.00	\$ 518.00	
998	Supply Air Diffuser w/ 200-CFM - 'SD-3' - Manufacturer: TITUS - Model: OMNI	1	EA	0%	1.00	\$ 112.00	\$ 280.00	\$ 392.00	\$ 392.00	
999	Supply Air Diffuser w/ 60-CFM - 'SD-5' - Manufacturer: TITUS - Model: OMNI-AA	2	EA	0%	2.00	\$ 55.00	\$ 138.00	\$ 193.00	\$ 386.00	
1000	Supply Air Diffuser w/ 50-CFM - 'SD-5' - Manufacturer: TITUS - Model: OMNI-AA	1	EA	0%	1.00	\$ 52.00	\$ 130.00	\$ 182.00	\$ 182.00	
1001	Supply Air Diffuser w/ 100-CFM - 'SD-5' - Manufacturer: TITUS - Model: OMNI-AA	2	EA	0%	2.00	\$ 70.00	\$ 176.00	\$ 246.00	\$ 492.00	
1002	Linear Slot Return Diffuser w/ 3500-CFM 'LR-1' - Manufacturer: TITUS - Model: 350-RL	1	EA	0%	1.00	\$ 1,528.00	\$ 3,820.00	\$ 5,348.00	\$ 5,348.00	
1003	Linear Slot Diffuser w/ 350-CFM - 'LS1' - Manufacturer: TITUS - Model: FL-10	3	EA	0%	3.00	\$ 203.00	\$ 506.00	\$ 709.00	\$ 2,127.00	
1004	Linear Slot Diffuser w/ 290-CFM - 'LS1' - Manufacturer: TITUS - Model: FL-10	2	EA	0%	2.00	\$ 153.00	\$ 382.00	\$ 535.00	\$ 1,070.00	
1005	Linear Slot Diffuser w/ 225-CFM - 'LS2' - Manufacturer: TITUS - Model: FL-10	2	EA	0%	2.00	\$ 124.00	\$ 310.00	\$ 434.00	\$ 868.00	
1006	Linear Slot Diffuser w/ 385-CFM - 'LS3' - Manufacturer: TITUS - Model: FL-10	1	EA	0%	1.00	\$ 221.00	\$ 552.00	\$ 773.00	\$ 773.00	
1007	Linear Slot Diffuser w/ 380-CFM - 'LS3' - Manufacturer: TITUS - Model: FL-10	1	EA	0%	1.00	\$ 218.00	\$ 545.00	\$ 763.00	\$ 763.00	
	Return Grilles 'RG'									
1008	Return Grille w/ 800-CFM - 'RG-1' - Manufacturer: TITUS - Model: 350-RL	34	EA	0%	34.00	\$ 384.00	\$ 960.00	\$ 1,344.00	\$ 45,696.00	
1009	Return Grille w/ 500-CFM - 'RG-2' - Manufacturer: TITUS - Model: 350-RL	5	EA	0%	5.00	\$ 272.00	\$ 678.00	\$ 950.00	\$ 4,750.00	
	Exhaust Grilles 'EG'									
1010	Exhaust Grille w/ 280-CFM - 'EG-1' - Manufacturer: TITUS - Model: 350-RL	3	EA	0%	3.00	\$ 168.00	\$ 420.00	\$ 588.00	\$ 1,764.00	
1011	Exhaust Grille w/ 350-CFM - 'EG-1' - Manufacturer: TITUS - Model: 350-RL	1	EA	0%	1.00	\$ 202.00	\$ 506.00	\$ 708.00	\$ 708.00	
1012	Exhaust Grille w/ 130-CFM - 'EG-3' - Manufacturer: TITUS - Model: 350-RL	1	EA	0%	1.00	\$ 80.00	\$ 200.00	\$ 280.00	\$ 280.00	
1013	Exhaust Grille w/ 90-CFM - 'EG-3' - Manufacturer: TITUS - Model: 350-RL	1	EA	0%	1.00	\$ 67.00	\$ 167.00	\$ 234.00	\$ 234.00	
1014	Exhaust Grille w/ 140-CFM - 'EG-3' - Manufacturer: TITUS - Model: 350-RL	1	EA	0%	1.00	\$ 84.00	\$ 210.00	\$ 294.00	\$ 294.00	
1015	Exhaust Grille w/ 70-CFM - 'EG-3' - Manufacturer: TITUS - Model: 350-RL	1	EA	0%	1.00	\$ 61.00	\$ 152.00	\$ 213.00	\$ 213.00	
1016	Exhaust Grille w/ 110-CFM - 'EG-3' - Manufacturer: TITUS - Model: 350-RL	1	EA	0%	1.00	\$ 74.00	\$ 184.00	\$ 258.00	\$ 258.00	
	Transfer Grilles 'TF'									
1017	Transfer Grille w/ 700-CFM - 'TG-1' - Manufacturer: TITUS - Model: 30-RL	3	EA	0%	3.00	\$ 330.00	\$ 826.00	\$ 1,156.00	\$ 3,468.00	
1018	Transfer Grille w/ 7500-CFM - 'TG-2' - Manufacturer: TITUS - Model: 30-RL	1	EA	0%	1.00	\$ 2,884.00	\$ 7,210.00	\$ 10,094.00	\$ 10,094.00	
	Roof Top Units 'RTU'									
1019	Roof Top Unit 'RTU-1' - Manufacturer: JCI - Model: ZJ102 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1020	Roof Top Unit 'RTU-2' - Manufacturer: JCI - Model: ZT078 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1021	Roof Top Unit 'RTU-3' - Manufacturer: JCI - Model: ZT049 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1022	Roof Top Unit 'RTU-4' - Manufacturer: JCI - Model: ZT06 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1023	Roof Top Unit 'RTU-5' - Manufacturer: JCI - Model: ZJ090 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1024	Roof Top Unit 'RTU-6' - Manufacturer: JCI - Model: ZT037 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1025	Roof Top Unit 'RTU-PW1' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1026	Roof Top Unit 'RTU-PW2' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1027	Roof Top Unit 'RTU-PW3' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1028	Roof Top Unit 'RTU-PW4' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1029	Roof Top Unit 'RTU-SB1' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1030	Roof Top Unit 'RTU-SB2' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1031	Roof Top Unit 'RTU-SB3' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1032	Roof Top Unit 'RTU-SB4' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1033	Roof Top Unit 'RTU-SB5' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1034	Roof Top Unit 'RTU-SB6' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1035	Roof Top Unit 'RTU-SB7' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1036	Roof Top Unit 'RTU-SB8' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
1037	Roof Top Unit 'RTU-SB9' - Manufacturer: JCI - Model: ZYE080 - Relief Damper (1 EA) - Duct Differential Pressure (1 EA) - Return Air Damper (1 EA) - Outside Air Damper (1 EA) - Return Air Smoke Detector (1 EA) - AI- Return Air Temperature (1 EA) - AI-Mixed Air Temperature (1 EA) - BI- Freeze Stat (1 EA) - Duct Temperature Humidity (1 EA) - Air Filter (1 EA) - Supply fan (1 EA) - Dx Coil (1 EA) - Variable Speed Drive (1 EA) - Damper Actuator (2 EA) - Space Temperature (1 EA)	1	EA	0%	1.00	\$ 2,900.00	\$ 7,250.00	\$ 10,150.00	\$ 10,150.00	
	Exhasut Fans 'EF'									
1038	Exhasut Fans 'EF-1' - Manufacturer: GREENHECK - Model: GB-260	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1039	Exhasut Fans 'EF-2' - Manufacturer: GREENHECK - Model: GB-100	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1040	Exhasut Fans 'EF-3' - Manufacturer: GREENHECK - Model: GB-100	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1041	Exhasut Fans 'EF-4' - Manufacturer: GREENHECK - Model: GB-099	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1042	Exhasut Fans 'EF-5' - Manufacturer: GREENHECK - Model: SP-B110	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1043	Exhasut Fans 'EF-6' - Manufacturer: GREENHECK - Model: SP-B110	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1044	Exhasut Fans 'EF-7' - Manufacturer: GREENHECK - Model: SP-B110	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1045	Exhasut Fans 'EF-8' - Manufacturer: GREENHECK - Model: SP-B110	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1046	Exhasut Fans 'EF-9' - Manufacturer: GREENHECK - Model: GB-099	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1047	Exhasut Fans 'EF-SB1' - Manufacturer: GREENHECK - Model: GB-220	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1048	Exhasut Fans 'EF-SB2' - Manufacturer: GREENHECK - Model: GB-220	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1049	Exhasut Fans 'EF-SB3' - Manufacturer: GREENHECK - Model: GB-220	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1050	Exhasut Fans 'EF-SB4' - Manufacturer: GREENHECK - Model: GB-220	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1051	Exhasut Fans 'EF-SB5' - Manufacturer: GREENHECK - Model: GB-220	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1052	Exhasut Fans 'EF-SB6' - Manufacturer: GREENHECK - Model: GB-220	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
1053	Exhasut Fans 'WB-1' - Manufacturer: GREENHECK - Model: GB-220	1	EA	0%	1.00	\$ 110.00	\$ 295.00	\$ 405.00	\$ 405.00	
	Make Up Air Unit 'MAU'									
1054	Make Up Air Unit 'MAU-1' - Manufacturer: GREENHECK - Model: MSX-P122-H22-MF	1	EA	0%	1.00	\$ 1,730.00	\$ 5,210.00	\$ 6,940.00	\$ 6,940.00	
	Electric Unit Heater 'EUH'									
1055	Electric Unit Heater 'EUH-1' - Manufacturer: REZNOR - Model: EGEB	1	EA	0%	1.00	\$ 1,215.00	\$ 3,360.00	\$ 4,575.00	\$ 4,575.00	
	HVLS Fan									
1056	HVLS Fan 'HVLSF-1' - Manufacturer: SERVICE BAY - Model: DS-3-20-70HV	1	EA	0%	1.00	\$ 180.00	\$ 450.00	\$ 630.00	\$ 630.00	
1057	HVLS Fan 'HVLSF-2' - Manufacturer: SERVICE BAY - Model: DS-3-20-70HV	1	EA	0%	1.00	\$ 180.00	\$ 450.00	\$ 630.00	\$ 630.00	
	Energy Recovery Ventilator 'ERV'									
1058	Energy Recovery Ventilator 'ERV-1' - Manufacturer: GREENHECK - Model: ERV-20-15L	1	EA	0%	1.00	\$ 600.00	\$ 1,400.00	\$ 2,000.00	\$ 2,000.00	
	Ductless Mini-Split System									
1059	Outdoor Ductless Mini-Split System 'MCU-1' - Manufacturer: LG - Model: LSU120HSV5	1	EA	0%	1.00	\$ 1,225.00	\$ 3,860.00	\$ 5,085.00	\$ 5,085.00	
1060	Indoor Ductless Mini-Split System 'MAC-1' - Manufacturer: LG - Model: LSN120HSV5	1	EA	0%	1.00	\$ 1,225.00	\$ 3,860.00	\$ 5,085.00	\$ 5,085.00	
	Drop Box Diffuser Schedule 'DBD'									
1061	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-1' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1062	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-2' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1063	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-3' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1064	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-4' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1065	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-5' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1066	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-6' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1067	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-7' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1068	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-8' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1069	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-9' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1070	Drop Box Diffuser Schedule w/ 6000-CFM 'DBD-10' - Manufacturer: UNITED ENERTECH - Model: LPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1071	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-11' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1072	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-12' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1073	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-13' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
1074	Drop Box Diffuser Schedule w/ 3000-CFM 'DBD-14' - Manufacturer: UNITED ENERTECH - Model: DPD	1	EA	0%	1.00	\$ 1,320.00	\$ 3,460.00	\$ 4,780.00	\$ 4,780.00	
	Louvers									
1075	(24"x6") Drum Supply Louver	52	EA	0%	52.00	\$ 120.00	\$ 280.00	\$ 400.00	\$ 20,800.00	
1076	(34"x8") Drum Supply Louver	4	EA	0%	4.00	\$ 140.00	\$ 366.00	\$ 506.00	\$ 2,024.00	
	Sensors & Detectors									
1077	Air Smoke Detector	4	EA	0%	4.00	\$ 125.00	\$ 320.00	\$ 445.00	\$ 1,780.00	
1078	Thermostat 'T'	25	EA	0%	25.00	\$ 60.00	\$ 100.00	\$ 160.00	\$ 4,000.00	
1079	Temperature Sensor 'TS'	16	EA	0%	16.00	\$ 85.00	\$ 195.00	\$ 280.00	\$ 4,480.00	
1080	Carbon Sensor 'C'	2	EA	0%	2.00	\$ 70.00	\$ 160.00	\$ 230.00	\$ 460.00	
1081	Carbon Di Oxide Sensor 'CO2'	10	EA	0%	10.00	\$ 70.00	\$ 175.00	\$ 245.00	\$ 2,450.00	
1082	Nitrogen Di Oxide Sensor 'NO2'	10	EA	0%	10.00	\$ 70.00	\$ 160.00	\$ 230.00	\$ 2,300.00	
1083	Duct Detector	14	EA	0%	14.00	\$ 130.00	\$ 345.00	\$ 475.00	\$ 6,650.00	
	Dampers									
1084	Volume Dampers	77	EA	0%	77.00	\$ 60.00	\$ 145.00	\$ 205.00	\$ 15,785.00	
1085	Balancing Dampers	1	EA	0%	1.00	\$ 70.00	\$ 160.00	\$ 230.00	\$ 230.00	
1086	Back Draft Damper & Bird Screen	4	EA	0%	4.00	\$ 110.00	\$ 250.00	\$ 360.00	\$ 1,440.00	
	Controller									
1087	Mout Central Controller For Gas Detection System	1	EA	0%	1.00	\$ 350.00	\$ 800.00	\$ 1,150.00	\$ 1,150.00	
	Plenum									
1088	(24"x34") Return Plenum	9	EA	0%	9.00	\$ 130.00	\$ 325.00	\$ 455.00	\$ 4,095.00	
1089	(24"x30") Return Plenum	4	EA	0%	4.00	\$ 120.00	\$ 300.00	\$ 420.00	\$ 1,680.00	
	MAU Panel									
1090	MAU Control Panel	1	EA	0%	1.00	\$ 400.00	\$ 960.00	\$ 1,360.00	\$ 1,360.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST	
	Risers										
1091	(12"x12") Exhasut Air Duct 'EAD' Riser (1 EA & 4.5'-0" H)	5	LF	0%	5.00	\$ 28.00	\$ 16.00	\$ 44.00	\$ 220.00		
1092	(6".Dia) Exhaust Air Duct 'EAD' Riser (4 EA & 4.5'-0" H)	5	LF	0%	5.00	\$ 18.00	\$ 10.00	\$ 28.00	\$ 140.00		
	Droppers										
1093	(20"x20") Supply Air Duct 'SAD' Dropper (8 EA & 4'-0" H)	32	LF	0%	32.00	\$ 42.00	\$ 20.00	\$ 62.00	\$ 1,984.00		
1094	(16"X14") Return Air Duct 'RAD' Dropper (1 EA & 4'-0" H)	4	LF	0%	4.00	\$ 36.00	\$ 18.00	\$ 54.00	\$ 216.00		
1095	(14".Dia) Supply Air Duct 'SAD' Dropper (1 EA & 4'-0" H)	4	LF	0%	4.00	\$ 28.00	\$ 15.00	\$ 43.00	\$ 172.00		
1096	(24".Dia) Return Air Duct 'RAD' Dropper (1 EA & 4'-0" H)	4	LF	0%	4.00	\$ 52.00	\$ 30.00	\$ 82.00	\$ 328.00		
1097	(14"x16") Supply Air Duct 'SAD' Dropper (2 EA & 4'-0" H)	8	LF	0%	8.00	\$ 30.00	\$ 15.00	\$ 45.00	\$ 360.00		
1098	(14"x24") Supply Air Duct 'SAD' Dropper (1 EA & 4'-0" H)	4	LF	0%	4.00	\$ 38.00	\$ 20.00	\$ 58.00	\$ 232.00		
1099	(14"X14") Exhaust Air Duct 'EAD' Dropper (1 EA & 4'-0" H)	4	LF	0%	4.00	\$ 32.00	\$ 16.00	\$ 48.00	\$ 192.00		
1100	(30"x30") Exhaust Air Duct 'EAD' Dropper (1 EA & 4'-0" H)	4	LF	0%	4.00	\$ 60.00	\$ 32.00	\$ 92.00	\$ 368.00		
Sub Total									\$584,074		
ELECTRICAL											
	Site										
	Lighting										
1101	Light Fixture Type - P1 - Manufacturer: LSI LIGHTING - Model: MRM SERIES	17	EA	0%	17.00	\$ 150.00	\$ 280.00	\$ 430.00	\$ 7,310.00		
1102	Light Fixture Type - P2 - Manufacturer: LSI LIGHTING - Model: MRM SERIES	9	EA	0%	9.00	\$ 150.00	\$ 280.00	\$ 430.00	\$ 3,870.00		
1103	Light Fixture Type - P3 - Manufacturer: LSI LIGHTING - Model: MRM SERIES	4	EA	0%	4.00	\$ 150.00	\$ 280.00	\$ 430.00	\$ 1,720.00		
1104	Light Fixture Type - P4 - Manufacturer: LSI LIGHTING - Model: MRM SERIES	10	EA	0%	10.00	\$ 150.00	\$ 280.00	\$ 430.00	\$ 4,300.00		
1105	(120 V) Flag Pole Beacon Light - Time Clock (1 EA) - Manufacturer: TBC - Model: TBC	2	EA	0%	2.00	\$ 520.00	\$ 1,460.00	\$ 1,980.00	\$ 3,960.00		
	Switches										
1106	Fused Disconnect Switch	9	EA	0%	9.00	\$ 140.00	\$ 350.00	\$ 490.00	\$ 4,410.00		
	Miscellaneous										
1107	(24"x24") In-Grade Quazite Box	1	EA	0%	1.00	\$ 120.00	\$ 286.00	\$ 406.00	\$ 406.00		
1108	(2"x2"x12") In-Grade Quazite Box	2	EA	0%	2.00	\$ 140.00	\$ 360.00	\$ 500.00	\$ 1,000.00		
1109	New Utility Transformer	1	EA	0%	1.00	\$ 3,060.00	\$ 8,505.00	\$ 11,565.00	\$ 11,565.00		
1110	Utility Meter	1	EA	0%	1.00	\$ 400.00	\$ 900.00	\$ 1,300.00	\$ 1,300.00		
1111	(7.5 KVA) Single Phase Integral Transformer & Distribution Center - (20A) Single Pole Breaker (6 EA) - Mounted Exit Sign (1 EA)	1	EA	0%	1.00	\$ 4,025.00	\$ 9,960.00	\$ 13,985.00	\$ 13,985.00		
	Junction Box										
1112	Junction Box	7	EA	0%	7.00	\$ 85.00	\$ 80.00	\$ 165.00	\$ 1,155.00		
	Ground Floor										
	Lighting										
1113	Light Fixture Type - A1 - Manufacturer: LSI LIGHTING - Model: SFP22 SERIES	217	EA	0%	217.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 65,100.00		
1114	Light Fixture Type - A1E - Manufacturer: LSI LIGHTING - Model: SFP22 SERIES	49	EA	0%	49.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 14,700.00		
1115	Light Fixture Type - B1 - Manufacturer: H.E. WILLIAMS - Model: GH L360 SERIES	38	EA	0%	38.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 11,400.00		
1116	Light Fixture Type - B1E - Manufacturer: H.E. WILLIAMS - Model: GH L360 SERIES	27	EA	0%	27.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 8,100.00		
1117	Light Fixture Type - C1 - Manufacturer: H.E. WILLIAMS - Model: GH 6DR SERIES	31	EA	0%	31.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 9,300.00		
1118	Light Fixture Type - C1E - Manufacturer: H.E. WILLIAMS - Model: GH 6DR SERIES	15	EA	0%	15.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 4,500.00		
1119	Light Fixture Type - C2 - Manufacturer: H.E. WILLIAMS - Model: GH 6DR SERIES	2	EA	0%	2.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 600.00		
1120	Light Fixture Type - C2E - Manufacturer: H.E. WILLIAMS - Model: GH 6DR SERIES	2	EA	0%	2.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 600.00		
1121	Light Fixture Type - C3 - Manufacturer: H.E. WILLIAMS - Model: GH 6DR SERIES	1	EA	0%	1.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 300.00		
1122	Light Fixture Type - CL4 - Manufacturer: H.E. WILLIAMS - Model: PX SERIES	1	EA	0%	1.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 300.00		
1123	Light Fixture Type - CL8 - Manufacturer: H.E. WILLIAMS - Model: PX SERIES	1	EA	0%	1.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 300.00		
1124	Light Fixture Type - 'CL8-2' - Manufacturer: H.E. WILLIAMS - Model: PX SERIES	3	EA	0%	3.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 900.00		
1125	Light Fixture Type - CL10 - Manufacturer: H.E. WILLIAMS - Model: PX SERIES	1	EA	0%	1.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 300.00		
1126	Light Fixture Type - CL12 - Manufacturer: H.E. WILLIAMS - Model: PX SERIES	1	EA	0%	1.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 300.00		
1127	Light Fixture Type - CL14 - Manufacturer: H.E. WILLIAMS - Model: PX SERIES	1	EA	0%	1.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 300.00		
1128	Light Fixture Type - D	5	EA	0%	5.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 1,500.00		
1129	Light Fixture Type - D1 - Manufacturer: H.E. WILLIAMS - Model: MRX4 SERIES	4	EA	0%	4.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 1,200.00		
1130	Light Fixture Type - D1E - Manufacturer: H.E. WILLIAMS - Model: MRX4 SERIES	4	EA	0%	4.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 1,200.00		
1131	Light Fixture Type - D2 - Manufacturer: H.E. WILLIAMS - Model: LRX4 SERIES	1	EA	0%	1.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 300.00		
1132	Light Fixture Type - D2E - Manufacturer: H.E. WILLIAMS - Model: LRX4 SERIES	1	EA	0%	1.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 300.00		
1133	Light Fixture Type - D3 - Manufacturer: H.E. WILLIAMS - Model: LRX4 SERIES	3	EA	0%	3.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 900.00		
1134	Light Fixture Type - D4 - Manufacturer: H.E. WILLIAMS - Model: LRX4 SERIES	2	EA	0%	2.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 600.00		
1135	Light Fixture Type - F1 - Manufacturer: H.E. WILLIAMS - Model: VG1 SERIES	25	EA	0%	25.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 7,500.00		
1136	Light Fixture Type - F1E - Manufacturer: H.E. WILLIAMS - Model: VG1 SERIES	6	EA	0%	6.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 1,800.00		
1137	Light Fixture Type - F2 - Manufacturer: H.E. WILLIAMS - Model: VG1 SERIES	2	EA	0%	2.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 600.00		
1138	Light Fixture Type - F2E - Manufacturer: H.E. WILLIAMS - Model: VG1 SERIES	2	EA	0%	2.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 600.00		
1139	Light Fixture Type - H2 - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	47	EA	0%	47.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 14,100.00		

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1140	Light Fixture Type - H2E - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	35	EA	0%	35.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 10,500.00	
1141	Light Fixture Type - H4E - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	4	EA	0%	4.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 1,200.00	
1142	Light Fixture Type - H5 - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	5	EA	0%	5.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 1,500.00	
1143	Light Fixture Type - H5E - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	4	EA	0%	4.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 1,200.00	
1144	Light Fixture Type - J1 - Manufacturer: TEMPO - Model: PR1MEFX SERIES	67	LF	0%	67.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 20,100.00	
1145	Light Fixture Type - K1 - Manufacturer: LSI - Model: XWM SERIES	5	EA	0%	5.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 1,500.00	
1146	Light Fixture Type - K1E - Manufacturer: LSI - Model: XWM SERIES	2	EA	0%	2.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 600.00	
1147	Light Fixture Type - M1 - Manufacturer: TRULY GREEN SOLUTIONS - Model: CHB-E SERIES	7	EA	0%	7.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 2,100.00	
1148	Light Fixture Type - M1E - Manufacturer: TRULY GREEN SOLUTIONS - Model: CHB-E SERIES	2	EA	0%	2.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 600.00	
	Exit Lights									
1149	Light Fixture Type - X1 - Manufacturer: MULE LIGHTING - Model: MX SERIES	36	EA	0%	36.00	\$ 115.00	\$ 140.00	\$ 255.00	\$ 9,180.00	
1150	Light Fixture Type - X2 - Manufacturer: MULE LIGHTING - Model: WLMX SERIES	1	EA	0%	1.00	\$ 115.00	\$ 140.00	\$ 255.00	\$ 255.00	
	Lighting Controls									
	Switches									
1151	Single Way Switch	18	EA	0%	18.00	\$ 47.00	\$ 12.00	\$ 59.00	\$ 1,062.00	
1152	Three Way Switch	8	EA	0%	8.00	\$ 62.00	\$ 23.00	\$ 85.00	\$ 680.00	
1153	Four Way Switch	2	EA	0%	2.00	\$ 80.00	\$ 36.00	\$ 116.00	\$ 232.00	
1154	Dimmer Occupancy Sensor Switch	27	EA	0%	27.00	\$ 85.00	\$ 42.00	\$ 127.00	\$ 3,429.00	
1155	Dimmer Switch	16	EA	0%	16.00	\$ 54.00	\$ 17.00	\$ 71.00	\$ 1,136.00	
1156	Dual Technology Occupancy Sensor Switch	6	EA	0%	6.00	\$ 96.00	\$ 60.00	\$ 156.00	\$ 936.00	
1157	Tamper Switch	7	EA	0%	7.00	\$ 75.00	\$ 42.00	\$ 117.00	\$ 819.00	
1158	Weather Proof Three Way Switch - WP	2	EA	0%	2.00	\$ 84.00	\$ 36.00	\$ 120.00	\$ 240.00	
	Sensors									
1159	Low Voltage Ceiling Mounted Dual Technology Occupancy Sensor 'M'	62	EA	0%	62.00	\$ 125.00	\$ 180.00	\$ 305.00	\$ 18,910.00	
	Junction Box									
1160	Junction Box	3	EA	0%	3.00	\$ 85.00	\$ 80.00	\$ 165.00	\$ 495.00	
	Power									
	Receptacles									
1161	Duplex Receptacle	190	EA	0%	190.00	\$ 58.00	\$ 18.00	\$ 76.00	\$ 14,440.00	
1162	Quadplex Receptacle	7	EA	0%	7.00	\$ 79.00	\$ 36.00	\$ 115.00	\$ 805.00	
1163	GFCI Duplex Receptacle	40	EA	0%	40.00	\$ 46.00	\$ 60.00	\$ 106.00	\$ 4,240.00	
1164	Weather Proof GFCI Duplex Receptacle - 'WP'	20	EA	0%	20.00	\$ 54.00	\$ 85.00	\$ 139.00	\$ 2,780.00	
1165	Legarnd EHWB4 A/V Wall Box w/ a Duplex Receptacle	9	EA	0%	9.00	\$ 45.00	\$ 90.00	\$ 135.00	\$ 1,215.00	
1166	Duplex Receptacle w/ USB Port	11	EA	0%	11.00	\$ 94.00	\$ 70.00	\$ 164.00	\$ 1,804.00	
1167	Special Receptacle	10	EA	0%	10.00	\$ 90.00	\$ 52.00	\$ 142.00	\$ 1,420.00	
1168	GFCI Quadplex Receptacle	43	EA	0%	43.00	\$ 66.00	\$ 100.00	\$ 166.00	\$ 7,138.00	
	Switches									
1169	Non-Fused Disconnect Switch	48	EA	0%	48.00	\$ 100.00	\$ 280.00	\$ 380.00	\$ 18,240.00	
1170	Motor Rated Switch	8	EA	0%	8.00	\$ 85.00	\$ 50.00	\$ 135.00	\$ 1,080.00	
1171	Single Way Switch	22	EA	0%	22.00	\$ 47.00	\$ 12.00	\$ 59.00	\$ 1,298.00	
	Panels									
1172	Panel - H1 - (800A) Main Circuit Breaker w/ 480Y/277 - MCB (1 EA) - Feeder - 800 (1 EA)	1	EA	0%	1.00	\$ 3,320.00	\$ 8,060.00	\$ 11,380.00	\$ 11,380.00	
1173	Panel - H2 - (800A) Main Circuit Breaker w/ 480Y/277 - MCB (1 EA) - Feeder - 800 (1 EA)	1	EA	0%	1.00	\$ 3,320.00	\$ 8,060.00	\$ 11,380.00	\$ 11,380.00	
1174	Panel - L4 - (400A) Main Circuit Breaker w/ 208Y/120 (1 EA) - Feeder - 400 J.A (1 EA)	1	EA	0%	1.00	\$ 1,860.00	\$ 4,095.00	\$ 5,955.00	\$ 5,955.00	
1175	Panel - L3 - (250A) Main Circuit Breaker w/ 208Y/120 (1 EA) - Feeder - 250 J.A (1 EA)	1	EA	0%	1.00	\$ 1,575.00	\$ 2,430.00	\$ 4,005.00	\$ 4,005.00	
1176	Panel - H3 - (800A) Main Circuit Breaker w/ 480Y/277 - MCB (1 EA) - Feeder - 800 (1 EA)	1	EA	0%	1.00	\$ 3,320.00	\$ 8,060.00	\$ 11,380.00	\$ 11,380.00	
1177	Panel - L2 - (300A) Main Circuit Breaker w/ 208Y/120 (1 EA) - Feeder - 250 (1 EA)	1	EA	0%	1.00	\$ 1,690.00	\$ 3,210.00	\$ 4,900.00	\$ 4,900.00	
1178	Panel - L1 - (250A) Main Circuit Breaker w/ 208Y/120 (1 EA) - Feeder - 300J (1 EA)	1	EA	0%	1.00	\$ 1,575.00	\$ 2,460.00	\$ 4,035.00	\$ 4,035.00	
	Current Transformer 'CT'									
1179	(150 KVA) Current Transformer - T1	1	EA	0%	1.00	\$ 5,750.00	\$ 14,850.00	\$ 20,600.00	\$ 20,600.00	
1180	(225 KVA) Current Transformer - T2	1	EA	0%	1.00	\$ 8,960.00	\$ 22,350.00	\$ 31,310.00	\$ 31,310.00	
	Junction Box									
1181	Junction box	35	EA	0%	35.00	\$ 85.00	\$ 80.00	\$ 165.00	\$ 5,775.00	
	Communications									
	Comms Outlet									
1182	Floor Box w/ Data	2	EA	0%	2.00	\$ 55.00	\$ 120.00	\$ 175.00	\$ 350.00	
1183	Data Outlet	124	EA	0%	124.00	\$ 22.00	\$ 60.00	\$ 82.00	\$ 10,168.00	
1184	Access Point 'AP'	23	EA	0%	23.00	\$ 80.00	\$ 190.00	\$ 270.00	\$ 6,210.00	
1185	TV Out Let	3	EA	0%	3.00	\$ 22.00	\$ 60.00	\$ 82.00	\$ 246.00	
	Access Point 'AP'									
1186	Access Point 'AP'	23	EA	0%	23.00	\$ 80.00	\$ 190.00	\$ 270.00	\$ 6,210.00	
	Miscellaneous									
1187	Phone Board	1	EA	0%	1.00	\$ 90.00	\$ 140.00	\$ 230.00	\$ 230.00	
1188	Surface Mounted Hinged Cabinet	2	EA	0%	2.00	\$ 135.00	\$ 200.00	\$ 335.00	\$ 670.00	
	Electronic Safety & Security									
	Fire Alarm & Protection Devices									
	Switches									
1189	Tamper Switch 'TS'	1	EA	0%	1.00	\$ 66.00	\$ 40.00	\$ 106.00	\$ 106.00	
1190	Flow Switch 'FS'	1	EA	0%	1.00	\$ 66.00	\$ 40.00	\$ 106.00	\$ 106.00	
	Manual Pull Station									
1191	Pull Station - F	1	EA	0%	1.00	\$ 70.00	\$ 125.00	\$ 195.00	\$ 195.00	
	Monitor Module									
1192	Monitor Module - MM	7	EA	0%	7.00	\$ 130.00	\$ 325.00	\$ 455.00	\$ 3,185.00	
	Horn Strobe									
1193	Horn & Visual Strobe	38	EA	0%	38.00	\$ 120.00	\$ 200.00	\$ 320.00	\$ 12,160.00	
1194	Weather Proof Horn & Visual Strobe 'WP'	2	EA	0%	2.00	\$ 130.00	\$ 218.00	\$ 348.00	\$ 696.00	
1195	Visual Strobe	16	EA	0%	16.00	\$ 120.00	\$ 200.00	\$ 320.00	\$ 5,120.00	
1196	Exterior Waterflow Alarm Bell	1	EA	0%	1.00	\$ 75.00	\$ 160.00	\$ 235.00	\$ 235.00	
	Panels									
1197	Fire Panel - M	11	EA	0%	11.00	\$ 402.00	\$ 930.00	\$ 1,332.00	\$ 14,652.00	
1198	Fire Alarm Control Panel 'FACP'	4	EA	0%	4.00	\$ 480.00	\$ 1,120.00	\$ 1,600.00	\$ 6,400.00	
1199	Fire Alarm Annunicator Panel 'RFAP'	1	EA	0%	1.00	\$ 260.00	\$ 684.00	\$ 944.00	\$ 944.00	
1200	NAC Panel	1	EA	0%	1.00	\$ 402.00	\$ 930.00	\$ 1,332.00	\$ 1,332.00	
	Sensors & Detectors									
1201	Fire Smoke Damper w/ Monitor -' FSD'	1	EA	0%	1.00	\$ 120.00	\$ 360.00	\$ 480.00	\$ 480.00	
1202	Heat Detector - H	1	EA	0%	1.00	\$ 75.00	\$ 180.00	\$ 255.00	\$ 255.00	
	Miscellaneous									
1203	Fire Alarm Panel 'KB'	11	EA	0%	11.00	\$ 402.00	\$ 930.00	\$ 1,332.00	\$ 14,652.00	
1204	Fire Alarm Panel 'PS'	1	EA	0%	1.00	\$ 402.00	\$ 930.00	\$ 1,332.00	\$ 1,332.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1205	Fire Alarm Panel 'CM'	1	EA	0%	1.00	\$ 402.00	\$ 930.00	\$ 1,332.00	\$ 1,332.00	
	Mezzanine									
	Lighting									
1206	Light Fixture Type - H1 - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	22	EA	0%	22.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 6,600.00	
1207	Light Fixture Type - H1E - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	11	EA	0%	11.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 3,300.00	
1208	Light Fixture Type - H2 - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	50	EA	0%	50.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 15,000.00	
1209	Light Fixture Type - H2E - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	21	EA	0%	21.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 6,300.00	
1210	Light Fixture Type - H6 - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	22	EA	0%	22.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 6,600.00	
1211	Light Fixture Type - H6E - Manufacturer: H.E. WILLIAMS - Model: 75S SERIES	15	EA	0%	15.00	\$ 125.00	\$ 175.00	\$ 300.00	\$ 4,500.00	
	Exit Lights									
1212	Light Fixture Type - X1 - Manufacturer: MULE LIGHTING - Model: MX SERIES	5	EA	0%	5.00	\$ 115.00	\$ 140.00	\$ 255.00	\$ 1,275.00	
	Lighting Controls									
	Switches									
1213	Single Way Switch	18	EA	0%	18.00	\$ 47.00	\$ 12.00	\$ 59.00	\$ 1,062.00	
1214	Three Way Switch	8	EA	0%	8.00	\$ 62.00	\$ 23.00	\$ 85.00	\$ 680.00	
1215	Dual Technology Occupancy Sensor Switch	6	EA	0%	6.00	\$ 84.00	\$ 60.00	\$ 144.00	\$ 864.00	
1216	Four Way Switch	2	EA	0%	2.00	\$ 80.00	\$ 36.00	\$ 116.00	\$ 232.00	
1217	Dimmer Switch	16	EA	0%	16.00	\$ 52.00	\$ 16.00	\$ 68.00	\$ 1,088.00	
1218	Dimmer Ocupancy Sensor Switch	27	EA	0%	27.00	\$ 85.00	\$ 42.00	\$ 127.00	\$ 3,429.00	
1219	Tamper Switch	7	EA	0%	7.00	\$ 82.00	\$ 45.00	\$ 127.00	\$ 889.00	
1220	Weather Proof Three Way Switch - WP	2	EA	0%	2.00	\$ 75.00	\$ 28.00	\$ 103.00	\$ 206.00	
	Sensors									
1221	Low Voltage Ceiling Mounted Dual Technology Occupancy Sensor 'M'	27	EA	0%	27.00	\$ 125.00	\$ 180.00	\$ 305.00	\$ 8,235.00	
	Junction Box									
1222	Junction Box	3	EA	0%	3.00	\$ 85.00	\$ 80.00	\$ 165.00	\$ 495.00	
	Power									
	Receptacles									
1223	Duplex Receptacle	4	EA	0%	4.00	\$ 58.00	\$ 18.00	\$ 76.00	\$ 304.00	
	Communications									
	Comms Outlet									
1224	Data Outlet	3	EA	0%	3.00	\$ 22.00	\$ 60.00	\$ 82.00	\$ 246.00	
	Comms Devices									
	Access Point 'AP'									
1225	Access Point 'AP'	5	EA	0%	5.00	\$ 75.00	\$ 180.00	\$ 255.00	\$ 1,275.00	
	Electronic Safety & Security									
	Fire Alarm & Protection Devices									
	Horn Strobe									
1226	Weather Proof Horn & Visual Strobe	5	EA	0%	5.00	\$ 136.00	\$ 240.00	\$ 376.00	\$ 1,880.00	
	Wiring & Conduits									
1227	Wiring & Conduits (59013 SF)	1	ALLOWANCE	0%	1.00	\$ 90,000.00	\$ 30,000.00	\$ 120,000.00	\$ 120,000.00	
Sub Total										\$716,161
PLUMBING										
	Site									
	Domestic Water Pipe 'DWP'									
1228	(10".Dia) Domestic Water Pipe 'DWP' - Material: C-900 Pressure Class	182	LF	0%	182.00	\$ 81.00	\$ 94.00	\$ 175.00	\$ 31,850.00	
1229	(10".Dia) Domestic Water Pipe - Material: Pressure Class 350 D.I.P Polywrap	3	LF	0%	3.00	\$ 81.00	\$ 94.00	\$ 175.00	\$ 525.00	
1230	(6".Dia) Domestic Water Pipe 'DWP' - Material: Ductile Iron Pipe	17	LF	0%	17.00	\$ 60.00	\$ 62.00	\$ 122.00	\$ 2,074.00	
1231	(3".Dia) Domestic Water Pipe 'DWP' - Material: PVC	55	LF	0%	55.00	\$ 39.66	\$ 32.45	\$ 72.11	\$ 3,966.05	
	Sanitary Drainage Pipe 'SAD'									
1232	(8".Dia) Sanitary Drainage Pipe 'SAD'	79	LF	0%	79.00	\$ 70.00	\$ 75.00	\$ 145.00	\$ 11,455.00	
	Fittings									
	Bends									
1233	(3".Dia & 90 Degree) Domestic Water Pipe 'DWP' Bend	2	EA	0%	2.00	\$ 55.20	\$ 138.00	\$ 193.20	\$ 386.40	
1234	(10".Dia & 90 Degree) Domestic Water Pipe 'DWP' Bend	5	EA	0%	5.00	\$ 106.40	\$ 266.00	\$ 372.40	\$ 1,862.00	
	Tees									
1235	(10"x6" & 90 Degree) Domestic Water Pipe 'DWP' Tee	10	EA	0%	10.00	\$ 117.60	\$ 294.00	\$ 411.60	\$ 4,116.00	
1236	(12"x10" & 90 Degree) Domestic Water Pipe 'DWP' Tee	1	EA	0%	1.00	\$ 127.20	\$ 318.00	\$ 445.20	\$ 445.20	
1237	(10"x10" & 90 Degree) Domestic Water Pipe 'DWP' Tee	1	EA	0%	1.00	\$ 120.00	\$ 300.00	\$ 420.00	\$ 420.00	
	Valves									
1238	(6".Dia) Gate Valve w/ w/ Box & Cover 'GV'	7	EA	0%	7.00	\$ 170.00	\$ 425.00	\$ 595.00	\$ 4,165.00	
1239	(10".Dia) Gate Valve w/ w/ Box & Cover 'GV'	6	EA	0%	6.00	\$ 238.40	\$ 596.00	\$ 834.40	\$ 5,006.40	
	Fixtures									
	Reducer									
1240	(3"x2") Reducer	1	EA	0%	1.00	\$ 71.20	\$ 178.00	\$ 249.20	\$ 249.20	
	Water Stub									
1241	(3".Dia) Domestic Water Stub	1	EA	0%	1.00	\$ 72.00	\$ 180.00	\$ 252.00	\$ 252.00	
1242	(1-1/2".Dia) Landscape Water Stub	1	EA	0%	1.00	\$ 54.40	\$ 136.00	\$ 190.40	\$ 190.40	
1243	Building Service Stub	4	EA	0%	4.00	\$ 58.00	\$ 145.00	\$ 203.00	\$ 812.00	
	Reduce Pressure Principle Assembly - RPPA									
1244	(1-1/2".Dia) Reduce Pressure Principle Assembly - RPPA	1	EA	0%	1.00	\$ 103.20	\$ 258.00	\$ 361.20	\$ 361.20	
1245	(10".Dia) Reduce Pressure Principle Assembly - RPPA	3	EA	0%	3.00	\$ 237.60	\$ 594.00	\$ 831.60	\$ 2,494.80	
	Hydrant									
1246	Fire Hydrant	6	EA	0%	6.00	\$ 144.00	\$ 360.00	\$ 504.00	\$ 3,024.00	
	Miscellaneous									
1247	(48".Dia) Sanitary Sewer Manhole	4	EA	0%	4.00	\$ 1,372.00	\$ 3,430.00	\$ 4,802.00	\$ 19,208.00	
1248	(2".Dia) Domestic Water Meter & Box	3	EA	0%	3.00	\$ 186.40	\$ 466.00	\$ 652.40	\$ 1,957.20	
1249	(12"x10") Stainless Steel Tapping Sleeve w/ V.B & C	1	EA	0%	1.00	\$ 128.00	\$ 320.00	\$ 448.00	\$ 448.00	
1250	(1-1/2".Dia) Landscape Water Meter & Box	3	EA	0%	3.00	\$ 102.40	\$ 256.00	\$ 358.40	\$ 1,075.20	
	Risers									
1251	(6".Dia) Domestic Water Pipe Riser (2 EA & 4'-0" H)	8	LF	0%	8.00	\$ 60.00	\$ 62.00	\$ 122.00	\$ 976.00	
	Drainage Services									
	Piping									
	Sanitary Sewer Pipe 'SS'									
1252	(4".Dia) Sanitary Sewer Pipe 'SS' - Material: PVC	601	LF	0%	601.00	\$ 52.00	\$ 49.00	\$ 101.00	\$ 60,701.00	
1253	(2".Dia) Sanitary Sewer Pipe 'SS' - Material: PVC	140	LF	0%	140.00	\$ 28.30	\$ 18.20	\$ 46.50	\$ 6,510.00	
1254	(3".Dia) Sanitary Sewer Pipe 'SS' - Material: PVC	45	LF	0%	45.00	\$ 39.66	\$ 32.45	\$ 72.11	\$ 3,244.95	
1255	(1-1/2".Dia) Sanitary Sewer Pipe 'SS' - Material: PVC	102	LF	0%	102.00	\$ 20.34	\$ 11.30	\$ 31.64	\$ 3,227.28	
	Sanitary Vent Pipes									
1256	(1-1/2".Dia) Sanitary Vent Pipe - Material: PVC	198	LF	0%	198.00	\$ 20.34	\$ 11.30	\$ 31.64	\$ 6,264.72	
1257	(1-1/4".Dia) Sanitary Vent Pipe - Material: PVC	100	LF	0%	100.00	\$ 18.30	\$ 12.20	\$ 30.50	\$ 3,050.00	
1258	(2".Dia) Sanitary Vent Pipe - Material: PVC	188	LF	0%	188.00	\$ 28.30	\$ 18.20	\$ 46.50	\$ 8,742.00	
1259	(3".Dia) Sanitary Vent Pipe - Material: PVC	39	LF	0%	39.00	\$ 39.66	\$ 32.45	\$ 72.11	\$ 2,812.29	
1260	(4".Dia) Sanitary Vent Pipe - Material: PVC	91	LF	0%	91.00	\$ 52.00	\$ 49.00	\$ 101.00	\$ 9,191.00	
	Condensate Drain 'CD'									
1261	(1".Dia) Condensate Drain 'CD'	379	LF	0%	379.00	\$ 15.34	\$ 7.82	\$ 23.16	\$ 8,777.64	
1262	(3/4".Dia) Condensate Drain 'CD'	741	LF	0%	741.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 13,234.26	
	Storm Drainage Pipe 'SD'									
1263	(2".Dia) Storm Drainage Pipe 'SD'	22	LF	0%	22.00	\$ 28.30	\$ 18.20	\$ 46.50	\$ 1,023.00	

TAKEOFF & COST ESTIMATE



Job Name:

Address:

Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1264	(4".Dia) Storm Drainage Pipe 'SD'	51	LF	0%	51.00	\$ 52.00	\$ 49.00	\$ 101.00	\$ 5,151.00	
	Overflow Storm Drainage Pipe 'OSD'									
1265	(2".Dia) Overflow Storm Drainage Pipe 'OSD'	15	LF	0%	15.00	\$ 28.30	\$ 18.20	\$ 46.50	\$ 697.50	
1266	(3".Dia) Overflow Storm Drainage Pipe 'OSD'	23	LF	0%	23.00	\$ 39.66	\$ 32.45	\$ 72.11	\$ 1,658.53	
	Fittings									
	Bends									
1267	(1" Dia & 90 Degree) Condensate Drain 'CD' Bend	3	EA	0%	3.00	\$ 31.20	\$ 78.00	\$ 109.20	\$ 327.60	
1268	(3/4".Dia & 45 Degree) Condensate Drain 'CD' Bend	4	EA	0%	4.00	\$ 20.80	\$ 52.00	\$ 72.80	\$ 291.20	
1269	(3/4".Dia & 90 Degree) Condensate Drain 'CD' Bend	6	EA	0%	6.00	\$ 20.80	\$ 52.00	\$ 72.80	\$ 436.80	
1270	(1-1/2".Dia & 45 Degree) Sanitary Sewer Pipe 'SS' Bend	6	EA	0%	6.00	\$ 37.60	\$ 94.00	\$ 131.60	\$ 789.60	
1271	(1-1/2".Dia & 45 Degree) Sanitary Vent Pipe Bend	23	EA	0%	23.00	\$ 37.60	\$ 94.00	\$ 131.60	\$ 3,026.80	
1272	(1-1/2".Dia & 90 Degree) Sanitary Vent Pipe Bend	3	EA	0%	3.00	\$ 37.60	\$ 94.00	\$ 131.60	\$ 394.80	
1273	(1-1/4".Dia & 45 Degree) Sanitary Vent Pipe Bend	14	EA	0%	14.00	\$ 32.80	\$ 82.00	\$ 114.80	\$ 1,607.20	
1274	(2".Dia & 45 Degree) Sanitary Sewer Pipe 'SS' Bend	4	EA	0%	4.00	\$ 46.40	\$ 116.00	\$ 162.40	\$ 649.60	
1275	(2".Dia & 45 Degree) Sanitary Vent Pipe Bend	13	EA	0%	13.00	\$ 46.40	\$ 116.00	\$ 162.40	\$ 2,111.20	
1276	(2".Dia & 90 Degree) Sanitary Vent Pipe Bend	3	EA	0%	3.00	\$ 46.40	\$ 116.00	\$ 162.40	\$ 487.20	
1277	(3".Dia & 45 Degree) Sanitary Sewer Pipe 'SS' Bend	1	EA	0%	1.00	\$ 54.00	\$ 135.00	\$ 189.00	\$ 189.00	
1278	(3".Dia & 45 Degree) Sanitary Sewer Pipe 'SS' Bend	3	EA	0%	3.00	\$ 54.00	\$ 135.00	\$ 189.00	\$ 567.00	
1279	(3".Dia & 90 Degree) Sanitary Sewer Pipe 'SS' Bend	1	EA	0%	1.00	\$ 54.00	\$ 135.00	\$ 189.00	\$ 189.00	
1280	(4".Dia & 45 Degree) Sanitary Sewer Pipe 'SS' Bend	12	EA	0%	12.00	\$ 63.60	\$ 159.00	\$ 222.60	\$ 2,671.20	
1281	(4".Dia & 90 Degree) Sanitary Sewer Pipe 'SS' Bend	5	EA	0%	5.00	\$ 63.60	\$ 159.00	\$ 222.60	\$ 1,113.00	
	Tees									
1282	(1" Dia & 90 Degree) Condensate Drain 'CD' Tee	6	EA	0%	6.00	\$ 33.60	\$ 84.00	\$ 117.60	\$ 705.60	
1283	(3/4".Dia & 90 Degree) Condensate Drain 'CD' Tee	15	EA	0%	15.00	\$ 22.40	\$ 56.00	\$ 78.40	\$ 1,176.00	
1284	(1-1/2".Dia & 90 Degree) Sanitary Vent Pipe Tee	2	EA	0%	2.00	\$ 50.00	\$ 125.00	\$ 175.00	\$ 350.00	
1285	(2".Dia & 45 Degree) Sanitary Vent Pipe Tee	4	EA	0%	4.00	\$ 55.20	\$ 138.00	\$ 193.20	\$ 772.80	
1286	(2".Dia & 90 Degree) Sanitary Vent Pipe Tee	10	EA	0%	10.00	\$ 55.20	\$ 138.00	\$ 193.20	\$ 1,932.00	
1287	(2".Dia & 90 Degree) Sanitary Vent Pipe Tee	5	EA	0%	5.00	\$ 55.20	\$ 138.00	\$ 193.20	\$ 966.00	
1288	(3".Dia & 90 Degree) Sanitary Sewer Pipe 'SS' Tee	6	EA	0%	6.00	\$ 63.60	\$ 159.00	\$ 222.60	\$ 1,335.60	
1289	(3".Dia & 90 Degree) Sanitary Vent Pipe Tee	5	EA	0%	5.00	\$ 63.60	\$ 159.00	\$ 222.60	\$ 1,113.00	
1290	(4".Dia & 45 Degree) Sanitary Sewer Pipe 'SS' Tee	4	EA	0%	4.00	\$ 72.40	\$ 181.00	\$ 253.40	\$ 1,013.60	
1291	(4".Dia & 90 Degree) Sanitary Sewer Pipe 'SS' Tee	35	EA	0%	35.00	\$ 72.40	\$ 181.00	\$ 253.40	\$ 8,869.00	
1292	(1-1/2".Dia & 45 Degree) Sanitary Vent Pipe Tee	8	EA	0%	8.00	\$ 42.40	\$ 106.00	\$ 148.40	\$ 1,187.20	
	Risers									
1293	(1-1/2".Dia) Vent Pipe Riser 'VTR' (1 EA & 8'-0" H)	8	LF	0%	8.00	\$ 20.34	\$ 11.30	\$ 31.64	\$ 253.12	
1294	(2".Dia) Vent Pipe Riser 'VTR' (2 EA & 8'-0" H)	16	LF	0%	16.00	\$ 28.30	\$ 18.20	\$ 46.50	\$ 744.00	
1295	(3".Dia) Vent Pipe Riser 'VTR' (4 EA & 8'-0" H)	32	LF	0%	32.00	\$ 39.66	\$ 32.45	\$ 72.11	\$ 2,307.52	
	Droppers									
1296	(4".Dia) Storm Drain Pipe Dropper w/ Nozzle - 'DN-1' (4 EA & 25'-0"H)	100	LF	0%	100.00	\$ 52.00	\$ 49.00	\$ 101.00	\$ 10,100.00	
1297	(4".Dia) Storm Drain Pipe Dropper w/ Nozzle - 'DN-1' (3 EA & 3'-0"H)	9	LF	0%	9.00	\$ 52.00	\$ 49.00	\$ 101.00	\$ 909.00	
1298	(2".Dia) Storm Drain Pipe Dropper w/ Nozzle - 'DN-1' (4 EA & 14'-0" H)	56	LF	0%	56.00	\$ 28.30	\$ 18.20	\$ 46.50	\$ 2,604.00	
1299	(3/4".Dia) Condensate Drain 'CD' Dropper (21 EA & 3'-0" H)	63	LF	0%	63.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 1,125.18	
1300	(1".Dia) Condensate Drain 'CD' Dropper (2 EA & 2'-0" H)	4	LF	0%	4.00	\$ 15.34	\$ 7.82	\$ 23.16	\$ 92.64	
	Water Services									
	Piping									
	Cold Water Pipes 'CW'									
1301	(1".Dia) Cold Water Pipe 'CW' - Material: Hard Copper Type 'L'	134	LF	0%	134.00	\$ 15.34	7.82	\$ 23.16	\$ 3,103.44	
1302	(1/2".Dia) Cold Water Pipe 'CW' - Material: Hard Copper Type 'L'	80	LF	0%	80.00	\$ 9.66	\$ 3.40	\$ 13.06	\$ 1,044.80	
1303	(1-1/2".Dia) Cold Water Pipe 'CW' - Material: Hard Copper Type 'L'	338	LF	0%	338.00	\$ 21.60	\$ 12.34	\$ 33.94	\$ 11,471.72	
1304	(1-1/4".Dia) Cold Water Pipe 'CW' - Material: Hard Copper Type 'L'	169	LF	0%	169.00	\$ 19.66	\$ 13.34	\$ 33.00	\$ 5,577.00	
1305	(2".Dia) Cold Water Pipe 'CW' - Material: Hard Copper Type 'L'	271	LF	0%	271.00	\$ 30.60	\$ 20.34	\$ 50.94	\$ 13,804.74	
1306	(2-1/2".Dia) Cold Water Pipe 'CW' - Material: Hard Copper Type 'L'	274	LF	0%	274.00	\$ 35.20	\$ 24.60	\$ 59.80	\$ 16,385.20	
1307	(3/4".Dia) Cold Water Pipe 'CW' - Material: Hard Copper Type 'L'	91	LF	0%	91.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 1,625.26	
	Hot Water Pipes 'HW'									
1308	(1".Dia) Hot Water Pipe 'HW' - Material: Hard Copper Type 'L'	48	LF	0%	48.00	\$ 15.34	\$ 7.82	\$ 23.16	\$ 1,111.68	
1309	(1/2".Dia) Hot Water Pipe 'HW' - Material: Hard Copper Type 'L'	112	LF	0%	112.00	\$ 9.66	\$ 3.40	\$ 13.06	\$ 1,462.72	
1310	(1-1/2".Dia) Hot Water Pipe 'HW' - Material: Hard Copper Type 'L'	135	LF	0%	135.00	\$ 21.60	\$ 12.34	\$ 33.94	\$ 4,581.90	
1311	(2".Dia) Hot Water Pipe 'HW' - Material: Hard Copper Type 'L'	76	LF	0%	76.00	\$ 30.60	\$ 20.34	\$ 50.94	\$ 3,871.44	
1312	(3/4".Dia) Hot Water Pipe 'HW' - Material: Hard Copper Type 'L'	39	LF	0%	39.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 696.54	
	Hotwater Return Pipes 'HWR'									
1313	(3/4".Dia) Hot Water Return Pipe 'HWR' - Material: Hard Copper Type 'L'	301	LF	0%	301.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 5,375.86	
	Pressurized Wash Pipe 'PW'									
1314	(1/2".Dia) Pressurized Wash Pipe 'PW' - Material: Hard Copper Type 'L'	28	LF	0%	28.00	\$ 9.66	\$ 3.40	\$ 13.06	\$ 365.68	
	Compressed Air Pipe 'CA'									
1315	(2".Dia) Compressed Air Pipe 'CA' - Material: ASTM A-53 Seamless Galvanized Steel	596	LF	0%	596.00	\$ 30.60	\$ 20.34	\$ 50.94	\$ 30,360.24	
1316	(3/4".Dia) Compressed Air Pipe 'CA' - Material: ASTM A-53 Seamless Galvanized Steel	370	LF	0%	370.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 6,608.20	
	Fittings									
	Bends									
1317	(2-1/2".Dia & 90 Degree) Cold Water Pipe 'CW' Bend	6	EA	0%	6.00	\$ 55.20	\$ 138.00	\$ 193.20	\$ 1,159.20	
1318	(2".Dia & 90 Degree) Cold Water Pipe 'CW' Bend	7	EA	0%	7.00	\$ 52.00	\$ 130.00	\$ 182.00	\$ 1,274.00	
1319	(1-1/2".Dia & 90 Degree) Cold Water Pipe 'CW' Bend	4	EA	0%	4.00	\$ 44.80	\$ 112.00	\$ 156.80	\$ 627.20	
1320	(3/4".Dia & 90 Degree) Cold Water Pipe 'CW' Bend	12	EA	0%	12.00	\$ 26.80	\$ 67.00	\$ 93.80	\$ 1,125.60	
1321	(1/2".Dia & 90 Degree) Cold Water Pipe 'CW' Bend	6	EA	0%	6.00	\$ 13.60	\$ 34.00	\$ 47.60	\$ 285.60	
1322	(1".Dia & 90 Degree) Cold Water Pipe 'CW' Bend	11	EA	0%	11.00	\$ 32.00	\$ 80.00	\$ 112.00	\$ 1,232.00	
1323	(1/2".Dia & 90 Degree) Hot Water Pipe 'HW' Bend	5	EA	0%	5.00	\$ 13.60	\$ 34.00	\$ 47.60	\$ 238.00	
1324	(1".Dia & 90 Degree) Hot Water Pipe 'HW' Bned	2	EA	0%	2.00	\$ 32.00	\$ 80.00	\$ 112.00	\$ 224.00	
1325	(1-1/2".Dia & 90 Degree) Hot Water Pipe 'HW' Bend	5	EA	0%	5.00	\$ 42.40	\$ 106.00	\$ 148.40	\$ 742.00	
1326	(3/4".Dia 7 90 Degree) Compress Air Pipe 'CA' Bend	14	EA	0%	14.00	\$ 26.80	\$ 67.00	\$ 93.80	\$ 1,313.20	
1327	(3/4".Dia) Hot Water Return Pipe 'HWR' Bend	11	EA	0%	11.00	\$ 26.80	\$ 67.00	\$ 93.80	\$ 1,031.80	
1328	(2".Dia & 90 Degree) Compress Air Pipe 'CA' Bend	6	EA	0%	6.00	\$ 48.00	\$ 120.00	\$ 168.00	\$ 1,008.00	
1329	(1-1/4".Dia & 90 Degree) Cold Water Pipe 'CW' Bend	1	EA	0%	1.00	\$ 37.60	\$ 94.00	\$ 131.60	\$ 131.60	
1330	(1/2".Dia & 90 Degree) Pressurized Wash Pipe 'PW' Bend	3	EA	0%	3.00	\$ 14.40	\$ 36.00	\$ 50.40	\$ 151.20	
1331	(2".Dia 7 90 Degree) Hot Water Pipe 'HW' Bend	2	EA	0%	2.00	\$ 50.00	\$ 125.00	\$ 175.00	\$ 350.00	
	Tees									
1332	(2".Dia & 90 Degree & 90 Degree) Cold Water Pipe 'CW' Tee	28	EA	0%	28.00	\$ 51.20	\$ 128.00	\$ 179.20	\$ 5,017.60	
1333	(1-1/2".Dia & 90 Degree) Cold Water Pipe 'CW' Tee	5	EA	0%	5.00	\$ 43.20	\$ 108.00	\$ 151.20	\$ 756.00	
1334	(3/4".Dia & 90 Degree) Cold Water Pipe 'CW' Tee	11	EA	0%	11.00	\$ 23.60	\$ 59.00	\$ 82.60	\$ 908.60	
1335	(1/2".Dia & 90 Degree) Cold Water Pipe 'CW' Tee	2	EA	0%	2.00	\$ 14.40	\$ 36.00	\$ 50.40	\$ 100.80	
1336	(2".Dia & 90 Degree) Cold Water Pipe 'CW' Tee	3	EA	0%	3.00	\$ 48.00	\$ 120.00	\$ 168.00	\$ 504.00	
1337	(2-1/2".Dia & 90 Degree) Cold Water Pipe 'CW' Tee	1	EA	0%	1.00	\$ 52.80	\$ 132.00	\$ 184.80	\$ 184.80	
1338	(1".Dia & 90 Degree) Hot Water Pipe 'HW' Tee	1	EA	0%	1.00	\$ 32.00	\$ 80.00	\$ 112.00	\$ 112.00	
1339	(1/2".Dia & 90 Degree) Hot Water Pipe 'HW' Tee	9	EA	0%	9.00	\$ 14.40	\$ 36.00	\$ 50.40	\$ 453.60	
1340	(3/4".Dia & 90 Degree) Hot Water Pipe 'HW' Tee	4	EA	0%	4.00	\$ 23.60	\$ 59.00	\$ 82.60	\$ 330.40	
1341	(2".Dia & 90 Degree) Hot Water Pipe 'HW' Tee	4	EA	0%	4.00	\$ 54.40	\$ 136.00	\$ 190.40	\$ 761.60	
1342	(1-1/2".Dia & 90 Degree) Hot Water Pipe 'HW' Tee	1	EA	0%	1.00	\$ 48.00	\$ 120.00	\$ 168.00	\$ 168.00	
1343	(2".Dia & 90 Degree) Compress Air Pipe 'CA' Tee	2	EA	0%	2.00	\$ 56.00	\$ 140.00	\$ 196.00	\$ 392.00	
1344	(3/4".Dia & 90 Degree) Compress Air Pipe 'CA' Tee	14	EA	0%	14.00	\$ 26.40	\$ 66.00	\$ 92.40	\$ 1,293.60	
1345	(1/2".Dia & 90 Degree) Pressurized Wash Pipe 'PW' Tee	1	EA	0%	1.00	\$ 16.00	\$ 40.00	\$ 56.00	\$ 56.00	
1346	(1".Dia & 90 Degree) Cold Water Pipe 'CW' Tee	5	EA	0%	5.00	\$ 37.60	\$ 94.00	\$ 131.60	\$ 658.00	
1347	(3/4".Dia & 90 Degree) Hot Water Return Pipe 'HWR' Tee	10	EA	0%	10.00	\$ 28.00	\$ 70.00	\$ 98.00	\$ 980.00	
	Fixtures									
1348	(1/2".Dia) Trap Primer 'TP-1' - Manufacturer: JR SMITH - Model: 2694	2	EA	0%	2.00	\$ 42.00	\$ 105.00	\$ 147.00	\$ 294.00	
1349	(3".Dia) Wall Clean Out 'WCO' - Manufacturer: J. R. SMITH - Model: 4510	1	EA	0%	1.00	\$ 134.40	\$ 336.00	\$ 470.40	\$ 470.40	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1350	(3/4".Dia) Balancing Valve - Manufacturer: WATTS - Model: LFB6000	2	EA	0%	2.00	\$ 50.00	\$ 125.00	\$ 175.00	\$ 350.00	
1351	(3/4".Dia) Hose Bib - 'HB-1' - Manufacturer: WOODFORD - Model: 17	9	EA	0%	9.00	\$ 40.00	\$ 100.00	\$ 140.00	\$ 1,260.00	
1352	(4".Dia) Floor Clean Out - 'FCO-1' - Manufacturer: J. R. SMITH - Model: 4020	4	EA	0%	4.00	\$ 168.00	\$ 420.00	\$ 588.00	\$ 2,352.00	
1353	(4".Dia) Two Way Clean Out - 'TWCO-1' - Manufacturer: J. R. SMITH - Model: 4237	2	EA	0%	2.00	\$ 178.00	\$ 445.00	\$ 623.00	\$ 1,246.00	
1354	(4".Dia) Wall Clean Out 'WCO' - Manufacturer: J. R. SMITH - Model: 4510	8	EA	0%	8.00	\$ 168.00	\$ 420.00	\$ 588.00	\$ 4,704.00	
1355	Ada Lavatory - HL1 - Manufacturer: AMERICAN STANDARD - Model: DECLYN	10	EA	0%	10.00	\$ 262.40	\$ 656.00	\$ 918.40	\$ 9,184.00	
1356	Ada Shower 'HSH-1' - Manufacturer: AQUA BATH - Model: C6530BF-OT-FUS	1	EA	0%	1.00	\$ 596.00	\$ 1,490.00	\$ 2,086.00	\$ 2,086.00	
1357	ADA Water Closet 'HWC-1' - Manufacturer: AMERICAN STANDARD - Model: MADERA	8	EA	0%	8.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 8,736.00	
1358	ADA Water Closet 'HWC-2' - Manufacturer: AMERICAN STANDARD - Model: CADET	1	EA	0%	1.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 1,092.00	
1359	Area Drain w/ Integral Oil Seperator - 'AD-1' - Manufacturer: WADE - Model: 5800-300-4NH	1	EA	0%	1.00	\$ 640.00	\$ 1,600.00	\$ 2,240.00	\$ 2,240.00	
1360	Area Drain w/ Integral Oil Seperator - 'AD-2' - Manufacturer: WADE - Model: 5810-20-4NH	1	EA	0%	1.00	\$ 640.00	\$ 1,600.00	\$ 2,240.00	\$ 2,240.00	
1361	Back Flow Preventer Device - 'BFP-1'	1	EA	0%	1.00	\$ 140.00	\$ 350.00	\$ 490.00	\$ 490.00	
1362	Circulating Pump - 'CP-1' - Manufacturer: BELL AND GOSSETT - Model: ECOCIRC 20-18	1	EA	0%	1.00	\$ 740.00	\$ 1,850.00	\$ 2,590.00	\$ 2,590.00	
1363	Combination Roof Drain - 'CRD-1' - Manufacturer: J. R. SMITH - Model: 1850	1	EA	0%	1.00	\$ 144.00	\$ 360.00	\$ 504.00	\$ 504.00	
1364	Combination Roof Drain - 'CRD-2' - Manufacturer: J. R. SMITH - Model: 1850	1	EA	0%	1.00	\$ 144.00	\$ 360.00	\$ 504.00	\$ 504.00	
1365	Electric Water Cooler 'EWC-1' - Manufacturer: ELKAY - Model: LZSTL8WSLP W/ EZH20	2	EA	0%	2.00	\$ 884.00	\$ 2,210.00	\$ 3,094.00	\$ 6,188.00	
1366	Electric Water Heater 'EWH-1' - Manufacturer: A.O. SMITH - Model: DRE-52-18 - Temperature & Pressure relief Valve (1 EA) - Vacuum Relief Valve (1 EA) - Shut-Off Valve (1 EA) - Expansion tank (1 EA) - Check Valve (1 EA) - Heat Trap (1 EA) - Thermostatic Mixing Valve - 'TMV-1' (1 EA) - Thermometer (1 EA) - Line Temperature Control Valve (1 EA)	1	EA	0%	1.00	\$ 1,296.00	\$ 3,240.00	\$ 4,536.00	\$ 4,536.00	
1367	Emergency Eye Wash Station - 'EWS-1' - Manufacturer: GUARDIAN - Model: G1909	2	EA	0%	2.00	\$ 184.00	\$ 460.00	\$ 644.00	\$ 1,288.00	
1368	Floor Drain - 'FD-1' - Manufacturer: J. R. SMITH - Model: 2005	11	EA	0%	11.00	\$ 144.00	\$ 360.00	\$ 504.00	\$ 5,544.00	
1369	Floor Drain - 'FD-2' - Manufacturer: J. R. SMITH - Model: 2005	5	EA	0%	5.00	\$ 144.00	\$ 360.00	\$ 504.00	\$ 2,520.00	
1370	Floor Sink - 'FS-1' - Manufacturer: J. R. SMITH - Model: 3150	1	EA	0%	1.00	\$ 248.00	\$ 620.00	\$ 868.00	\$ 868.00	
1371	Hose Reel - 'HR-1' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1372	Hose Reel - 'HR-10' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1373	Hose Reel - 'HR-11' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1374	Hose Reel - 'HR-12' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1375	Hose Reel - 'HR-13' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1376	Hose Reel - 'HR-14' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1377	Hose Reel - 'HR-2' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1378	Hose Reel - 'HR-3' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1379	Hose Reel - 'HR-4' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1380	Hose Reel - 'HR-5' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1381	Hose Reel - 'HR-6' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1382	Hose Reel - 'HR-7' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1383	Hose Reel - 'HR-9' - Manufacturer: GRACO - Model: XDX	1	EA	0%	1.00	\$ 60.00	\$ 150.00	\$ 210.00	\$ 210.00	
1384	Instantaneous Water heater - 'IWH-1' - Manufacturer: EEMAX - Model: EMT1	1	EA	0%	1.00	\$ 1,156.00	\$ 2,890.00	\$ 4,046.00	\$ 4,046.00	
1385	Janitor Sink - 'JS-1' - Manufacturer: MUSTEE CUSTODIAL FLOOR SINK - Model: MODEL 63M	1	EA	0%	1.00	\$ 256.00	\$ 640.00	\$ 896.00	\$ 896.00	
1386	Reduce Pressure Zone Device 'RPZ-1' - Manufacturer: WATTS - Model: LF009M2-QT-FS	1	EA	0%	1.00	\$ 144.00	\$ 360.00	\$ 504.00	\$ 504.00	
1387	Sink - 'S-1' - Manufacturer: ELKAY LUSTERTONE - Model: LRAD2219	2	EA	0%	2.00	\$ 260.00	\$ 650.00	\$ 910.00	\$ 1,820.00	
1388	Sink - 'S-2' - Manufacturer: ELKAY - Model: LRAD3322	1	EA	0%	1.00	\$ 260.00	\$ 650.00	\$ 910.00	\$ 910.00	

TAKEOFF & COST ESTIMATE



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1389	Urinal - 'HUR-1' - Manufacturer: AMERICAN STANDARD - Model: AWASHBROOK	4	EA	0%	4.00	\$ 376.00	\$ 940.00	\$ 1,316.00	\$ 5,264.00	
1390	Urinal - 'UR-1' - Manufacturer: AMERICAN STANDARD - Model: WASHBROOK	2	EA	0%	2.00	\$ 376.00	\$ 940.00	\$ 1,316.00	\$ 2,632.00	
1391	Wall Drain Box - 'WDB-1' - Manufacturer: SIOUX CHIEF - Model: 696-CF	4	EA	0%	4.00	\$ 72.00	\$ 180.00	\$ 252.00	\$ 1,008.00	
1392	Wash Station - 'HWS-1' - Manufacturer: BEST SHEET METAL - Model: ADA-032E722066B	1	EA	0%	1.00	\$ 184.00	\$ 460.00	\$ 644.00	\$ 644.00	
1393	Wash Station - 'WS-1' - Manufacturer: BEST SHEET METAL - Model: 032K72208R	1	EA	0%	1.00	\$ 184.00	\$ 460.00	\$ 644.00	\$ 644.00	
1394	Water Closet 'WC-1' - Manufacturer: AMERICAN STANDARD - Model: MADERA	4	EA	0%	4.00	\$ 312.00	\$ 780.00	\$ 1,092.00	\$ 4,368.00	
	Water Hammer Arrestor 'WHA'									
1395	Water Hammer Arrestor 'WHA-A'	7	EA	0%	7.00	\$ 130.00	\$ 320.00	\$ 450.00	\$ 3,150.00	
1396	Water Hammer Arrestor 'WHA-B'	2	EA	0%	2.00	\$ 130.00	\$ 320.00	\$ 450.00	\$ 900.00	
1397	Water Hammer Arrestor 'WHA-C'	1	EA	0%	1.00	\$ 130.00	\$ 320.00	\$ 450.00	\$ 450.00	
	Water Softner									
1398	Water Softner	1	EA	0%	1.00	\$ 400.00	\$ 1,200.00	\$ 1,600.00	\$ 1,600.00	
	Miscellaneous									
1399	Supply Box - 'SB-1'	4	EA	0%	4.00	\$ 64.00	\$ 160.00	\$ 224.00	\$ 896.00	
1400	Cleanout Plug	6	EA	0%	6.00	\$ 100.00	\$ 250.00	\$ 350.00	\$ 2,100.00	
	Valves									
1401	(1-1/2".Dia) Shut Off Valve 'SOV'	5	EA	0%	5.00	\$ 74.40	\$ 186.00	\$ 260.40	\$ 1,302.00	
1402	(2" Dia) Shut Off Valve 'SOV'	5	EA	0%	5.00	\$ 104.00	\$ 260.00	\$ 364.00	\$ 1,820.00	
1403	(3/4".Dia) Shut Off Valve 'SOV'	2	EA	0%	2.00	\$ 43.20	\$ 108.00	\$ 151.20	\$ 302.40	
1404	(1".Dia) Shut Off Valve 'SOV'	2	EA	0%	2.00	\$ 61.60	\$ 154.00	\$ 215.60	\$ 431.20	
	Risers									
1405	(2-1/2".Dia) Cold Water Pipe Riser (1 EA & 6'-0" H)	6	LF	0%	6.00	\$ 35.20	\$ 24.60	\$ 59.80	\$ 358.80	
	Droppers									
1406	(2-1/2".Dia) Cold Water Pipe 'CW' Dropper (1 EA & 2'-0" H)	2	LF	0%	2.00	\$ 35.20	\$ 24.60	\$ 59.80	\$ 119.60	
1407	(3/4".Dia) Compress Air 'CA' Dropper (1 EA & 2'-0" H)	2	LF	0%	2.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 35.72	
1408	(1".Dia) Cold Water Pipe 'CW' Dropper (3 EA & 2'-0" H)	6	LF	0%	6.00	\$ 15.34	\$ 7.82	\$ 23.16	\$ 138.96	
1409	(1/2".Dia) Pressure Water Pipe 'PW' Dropper (2 EA & 2'-0" H)	4	LF	0%	4.00	\$ 9.66	\$ 3.40	\$ 13.06	\$ 52.24	
1410	(1/2".Dia) Cold Water Pipe 'CW' Dropper (14 EA & 2'-0" H)	28	LF	0%	28.00	\$ 9.66	\$ 3.40	\$ 13.06	\$ 365.68	
1411	(1".Dia) Cold Water Pipe 'CW' Dropper (11 EA & 2'-0" H)	22	LF	0%	22.00	\$ 15.34	\$ 7.82	\$ 23.16	\$ 509.52	
1412	(1/2".Dia) Hot Water Pipe 'HW' Dropper (12 EA & 2'-0" H)	24	LF	0%	24.00	\$ 9.66	\$ 3.40	\$ 13.06	\$ 313.44	
1413	(3/4".Dia) Cold Water Pipe 'CW' Dropper (17 EA & 2'-0" H)	34	LF	0%	34.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 607.24	
1414	(2".Dia) Cold Water Pipe 'CW' Dropper (3 EA & 2'-0" H)	6	LF	0%	6.00	\$ 30.60	\$ 20.34	\$ 50.94	\$ 305.64	
1415	(2".Dia) Hot Water Pipe 'HW' Dropper (1 EA & 2'-0" H)	2	LF	0%	2.00	\$ 30.60	\$ 20.34	\$ 50.94	\$ 101.88	
1416	(1".Dia) Compress Air 'CA' Dropper (1 EA & 3'-0" H)	3	LF	0%	3.00	\$ 15.34	\$ 7.82	\$ 23.16	\$ 69.48	
	Irrigation Water Services									
	Main Pipe Line									
1417	(1.5".Dia) Main Pipe Line	1919	LF	0%	1919.00	\$ 21.60	\$ 12.34	\$ 33.94	\$ 65,130.86	
	Lateral Line									
1418	(1/2".Dia) Lateral Line Tree	4370	LF	0%	4370.00	\$ 9.66	\$ 3.40	\$ 13.06	\$ 57,072.20	
1419	(3/4".Dia) Lateral Line Shrub	6034	LF	0%	6034.00	\$ 12.20	\$ 5.66	\$ 17.86	\$ 107,767.24	
	Sleeve									
1420	(2".Dia) PVC Sleeve	1536	LF	0%	1536.00	\$ 16.36	\$ 10.20	\$ 26.56	\$ 40,796.16	
1421	(2".Dia) Wire Sleeve	872	LF	0%	872.00	\$ 16.36	\$ 10.20	\$ 26.56	\$ 23,160.32	
	Fittings									
	Bends									
1422	(1.5".Dia & 45 Degree) Main Pipe Line Bend	7	EA	0%	7.00	\$ 48.00	\$ 120.00	\$ 168.00	\$ 1,176.00	
1423	(1.5".Dia & 90 Degree) Main Pipe Line Bend	1	EA	0%	1.00	\$ 48.00	\$ 120.00	\$ 168.00	\$ 168.00	
1424	(1/2".Dia & 45 Degree) Lateral Line Tree Bend	23	EA	0%	23.00	\$ 14.40	\$ 36.00	\$ 50.40	\$ 1,159.20	
1425	(1/2".Dia & 90 Degree) Lateral Line Tree Bend	5	EA	0%	5.00	\$ 14.40	\$ 36.00	\$ 50.40	\$ 252.00	
1426	(3/4".Dia & 45 Degree) Lateral Line Shrub Bend	32	EA	0%	32.00	\$ 23.60	\$ 59.00	\$ 82.60	\$ 2,643.20	
1427	(3/4".Dia & 90 Degree) Lateral Line Shrub Bend	10	EA	0%	10.00	\$ 23.60	\$ 59.00	\$ 82.60	\$ 826.00	
	Tees									
1428	(1/2".Dia) & 45 Degree Lateral Line Tree Tee	1	EA	0%	1.00	\$ 16.80	\$ 42.00	\$ 58.80	\$ 58.80	
1429	(1/2".Dia) & 90 Degree Lateral Line Tree Tee	16	EA	0%	16.00	\$ 16.80	\$ 42.00	\$ 58.80	\$ 940.80	
1430	(3/4".Dia & 90 Degree) Lateral Line Shrub Tee	20	EA	0%	20.00	\$ 26.80	\$ 67.00	\$ 93.80	\$ 1,876.00	
	Fixtures									
	Basin									
1431	Retention Basin	3	EA	0%	3.00	\$ 152.00	\$ 380.00	\$ 532.00	\$ 1,596.00	
	Dry Well									
1432	Dry Well	1	EA	0%	1.00	\$ 360.00	\$ 900.00	\$ 1,260.00	\$ 1,260.00	
	End Caps									
1433	End Flush Cap	56	EA	0%	56.00	\$ 64.00	\$ 160.00	\$ 224.00	\$ 12,544.00	
	Water Meter									
1434	Water Meter 'WM'	1	EA	0%	1.00	\$ 208.00	\$ 520.00	\$ 728.00	\$ 728.00	
	Fire Hydrant									
1435	Fire Hydrant 'FH'	7	EA	0%	7.00	\$ 152.00	\$ 380.00	\$ 532.00	\$ 3,724.00	
	Valves									
1436	(1".Dia) Remote Control Valve w/ Pressure Regulator & Wye Filter (A-01) - Spears DS-100 Connectorw/ DS-200 Crimp Sleeve & DS-300 Dry Splice Sealent (1 EA) - Standard Regulator Valve Box w/ Overlapping Lid & Locking Bolt - Set Box (1 EA) - SCH 80 Slip x MIPT Union (2 EA) - Ball Valve (1 EA) - Filter Fabric (1 EA)	1	EA	0%	1.00	\$ 225.00	\$ 630.00	\$ 855.00	\$ 855.00	
1437	(1".Dia) Remote Control Valve w/ Pressure Regulator & Wye Filter (A-02) - Spears DS-100 Connectorw/ DS-200 Crimp Sleeve & DS-300 Dry Splice Sealent (1 EA) - Standard Regulator Valve Box w/ Overlapping Lid & Locking Bolt - Set Box (1 EA) - SCH 80 Slip x MIPT Union (2 EA) - Ball Valve (1 EA) - Filter Fabric (1 EA)	1	EA	0%	1.00	\$ 225.00	\$ 630.00	\$ 855.00	\$ 855.00	
1438	(1".Dia) Remote Control Valve w/ Pressure Regulator & Wye Filter (A-03) - Spears DS-100 Connectorw/ DS-200 Crimp Sleeve & DS-300 Dry Splice Sealent (1 EA) - Standard Regulator Valve Box w/ Overlapping Lid & Locking Bolt - Set Box (1 EA) - SCH 80 Slip x MIPT Union (2 EA) - Ball Valve (1 EA) - Filter Fabric (1 EA)	1	EA	0%	1.00	\$ 225.00	\$ 630.00	\$ 855.00	\$ 855.00	
1439	(1".Dia) Remote Control Valve w/ Pressure Regulator & Wye Filter (A-04) - Spears DS-100 Connectorw/ DS-200 Crimp Sleeve & DS-300 Dry Splice Sealent (1 EA) - Standard Regulator Valve Box w/ Overlapping Lid & Locking Bolt - Set Box (1 EA) - SCH 80 Slip x MIPT Union (2 EA) - Ball Valve (1 EA) - Filter Fabric (1 EA)	1	EA	0%	1.00	\$ 225.00	\$ 630.00	\$ 855.00	\$ 855.00	
1440	(1".Dia) Remote Control Valve w/ Pressure Regulator & Wye Filter (A-05) - Spears DS-100 Connectorw/ DS-200 Crimp Sleeve & DS-300 Dry Splice Sealent (1 EA) - Standard Regulator Valve Box w/ Overlapping Lid & Locking Bolt - Set Box (1 EA) - SCH 80 Slip x MIPT Union (2 EA) - Ball Valve (1 EA) - Filter Fabric (1 EA)	1	EA	0%	1.00	\$ 225.00	\$ 630.00	\$ 855.00	\$ 855.00	
1441	(1".Dia) Remote Control Valve w/ Pressure Regulator & Wye Filter (A-06) - Spears DS-100 Connectorw/ DS-200 Crimp Sleeve & DS-300 Dry Splice Sealent (1 EA) - Standard Regulator Valve Box w/ Overlapping Lid & Locking Bolt - Set Box (1 EA) - SCH 80 Slip x MIPT Union (2 EA) - Ball Valve (1 EA) - Filter Fabric (1 EA)	1	EA	0%	1.00	\$ 225.00	\$ 630.00	\$ 855.00	\$ 855.00	
1442	Back Flow Preventor - Pipe Union (1 EA) - Pipe Spool (1 EA) - Test Cocks w/ Brass Plugs or Adaptors with Caps Installed (1 EA) - BPD1 Enclosure (1 EA) - 48" Minimum of Hard Copper on Outlet Side (1 EA)	1	EA	0%	1.00	\$ 160.00	\$ 425.00	\$ 585.00	\$ 585.00	

TAKEOFF & COST ESTIMATE



Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB	MAT	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
1443	Master Valve 'MV' - Standard Rectangular Valve Box w/ Overlapping Lid & Locking Bolt - Set Box (1 EA) - Spears DS-100 Connector w/ DS-200 CrimpSleeve & DS-300 Dry Splice Sealent (1 EA) - 10" Round Valve Box w/ Overlapping Lid & Locking Bolt - Set Box (1 EA) - Filter Fabric (1 EA) - Flow Sensor (1 EA)	1	EA	0%	1.00	\$ 180.00	\$ 580.00	\$ 760.00	\$ 760.00	
	<u>Fire Suppression</u>									
	<u>Piping</u>									
	<u>Fire Line Pipe 'FP-W'</u>									
1444	(4".Dia) Fire Line Pipe 'FP-W'	8	LF	0%	8.00	\$ 52.00	\$ 49.00	\$ 101.00	\$ 808.00	
1445	(6".Dia) Fire Line Pipe 'FP-W'	9	LF	0%	9.00	\$ 60.00	\$ 62.00	\$ 122.00	\$ 1,098.00	
	<u>Valves</u>									
1446	(4".Dia) Gate Valve 'GV'	1	EA	0%	1.00	\$ 168.00	\$ 420.00	\$ 588.00	\$ 588.00	
1447	Hose Inlet Check Valve	1	EA	0%	1.00	\$ 76.00	\$ 190.00	\$ 266.00	\$ 266.00	
1448	Alarm Check Valve	1	EA	0%	1.00	\$ 76.00	\$ 190.00	\$ 266.00	\$ 266.00	
1449	Double Check Backflow Device	1	EA	0%	1.00	\$ 152.00	\$ 380.00	\$ 532.00	\$ 532.00	
1450	Pressure Gauge	3	EA	0%	3.00	\$ 128.00	\$ 320.00	\$ 448.00	\$ 1,344.00	
	<u>Fire Sprinkler</u>									
1451	Over Head Sprinkler	1	EA	0%	1.00	\$ 66.40	\$ 166.00	\$ 232.40	\$ 232.40	
	<u>Fire Extinguishers 'FE'</u>									
1452	Surface Mounted Fire Extinguisher 'FE'	11	EA	0%	11.00	\$ 140.00	\$ 350.00	\$ 490.00	\$ 5,390.00	
	<u>Fire Extinguisher Cabinet 'FEC'</u>									
1453	Semi Recessed Fire Extinguisher Cabinet - FEC	4	EA	0%	4.00	\$ 168.00	\$ 420.00	\$ 588.00	\$ 2,352.00	
	<u>Pump</u>									
1454	Fire Pump	1	EA	0%	1.00	\$ 740.00	\$ 1,850.00	\$ 2,590.00	\$ 2,590.00	
	<u>Connection</u>									
1455	Fire Department Connection - FDC	1	EA	0%	1.00	\$ 76.00	\$ 190.00	\$ 266.00	\$ 266.00	
	<u>Miscellaneous</u>									
1456	Inspector Drain Discharge Nozzle	1	EA	0%	1.00	\$ 64.00	\$ 160.00	\$ 224.00	\$ 224.00	
1457	Concentric Reducer	1	EA	0%	1.00	\$ 50.00	\$ 125.00	\$ 175.00	\$ 175.00	
1458	Air Gap Fitting	1	EA	0%	1.00	\$ 48.00	\$ 120.00	\$ 168.00	\$ 168.00	
Sub Total									\$863,364	
EARTHWORK										
	<u>Sedimentation & Erosion Controls</u>									
1459	Stabilized Construction Entrance 'CE' -(3") Thick Course Aggregate -Filter Fabric -Per FCDNC Erosion Control Manual BMOs	3449	SF	0%	3449.42	\$ 6.84	\$ 14.92	\$ 21.76	\$ 75,059.38	
1460	Inlet Protection 'IP' - Filter Fiber -Per FCDMC Erosion Control Manual BMOs	19	EA	0%	19.00	\$ 140.00	\$ 360.00	\$ 500.00	\$ 9,500.00	
1461	Concrete Wash-Our Area 'WA' -Per FCDMC Erosion Control Manual BMOs G-H-4	728	SF	0%	727.88	\$ 4.20	\$ 10.80	\$ 15.00	\$ 10,918.20	
1462	Total Area of Soil Disturbance & Final Stabilization 'DC' -Dust Control Per FCDMC Erosion Control Manual	518740	SF	0%	518740.12	\$ 0.25	\$ -	\$ 0.25	\$ 129,685.03	
	<u>Cut & Fill</u>									
1463	Cut	1	CY	0%	1.00	\$ 14.30	\$ -	\$ 14.30	\$ 14.30	
1464	Fill	1	CY	0%	1.00	\$ 18.52	\$ -	\$ 18.52	\$ 18.52	
	<u>Fence</u>									
1465	Silt Fence 'SF' -Bound Bales Placed On Contour -(2 - 2" x 2" Stakes 1-1/2" to 2") In Ground -Per FCDMC Erosion Control Manual BMOs G-H-4	2024	LF	0%	2024.29	\$ 5.60	\$ 2.20	\$ 7.80	\$ 15,789.46	
Sub Total									\$240,985	
								PROJECTED COST	\$15,345,968	
								OVERHEAD	25%	\$ 3,836,492
								CONTINGENCY	7%	\$ 1,074,218
								INSURANCE	5%	\$ 767,298
SUGGESTED BID									\$ 21,023,977	