

DATE:Jul 23, 2002

JOB NAME : MECHANICAL OFFICE BUILDING
JOB # JM-02-120
JOB PATH: <JOB PATH>
DATABASE: ACCUBID MECH USA DB

ESTIMATOR: JG/JM
ENGINEER: QUALITY DESIGN ASSOCIATES
STARTING DATE: ASAP
COMPLETION DATE: 6 MONTHS
PENALTY CLAUSE: NO
BREAKOUT PRICES REQUIRED: YES
ALTERNATE PRICES REQUIRED: YES

BID TO FOLLOWING:

BUILDING SIZE: 80,000
BUILDING SHAPE: RECTANGULAR
CIVIL WORK BY: US
EXCAVATION BY: US
BACKFILL & COMPACTION BY: US

	System	Material(\$)	Mat(%)	Labor Hrs	Lab(%)
1	PLUMBING FIXTURES	3,135.32	18.01	291.74	32.29
2	DOMESTIC WATER	6,380.72	36.66	362.48	40.12
3	SANITARY WASTE & VENT BG	2,773.66	15.94	51.81	5.73
4	SANITARY WASTE & VENT AG	3,362.54	19.32	109.36	12.10
5	NATURAL GAS	1,751.92	10.07	88.14	9.76
	Total	17,404.16	100.00	903.53	100.00

<PLUMBING FIXTURES>

	Description	Qty	Date	Price	U	Disc	Net	Labor	U	Total Mat(\$)	Total Hours	Mat. Cond.	Lab. Cond.	Price Code
1	WC WALL MTD H/C W/FV	2	12/11/1995	0.00	E	0.00	0.00	3.12	E	0.00	6.24	Quoted	Normal	
2	WC WALL MTD W/FV	8	12/11/1995	0.00	E	0.00	0.00	2.53	E	0.00	20.24	Quoted	Normal	
3	URINAL WALL MTD W/FV	4	12/11/1995	0.00	E	0.00	0.00	3.12	E	0.00	12.48	Quoted	Normal	
4	3/8 OD COMPx3/8 M ADAPTER	2	5/8/2001	123.00	C	0.00	123.00	0.08	E	2.46	0.16	Normal	Normal	05495657375
5	1/2x2 1/2 STD GALV NIPPLE	4	5/8/2001	0.87	E	0.00	0.87	0.03	E	3.48	0.12	Normal	Normal	78217214146
6	2x4 STD GALV NIPPLE	4	5/8/2001	3.50	E	0.00	3.50	0.03	E	14.00	0.12	Normal	Normal	78217214359
7	2x6 STD GALV NIPPLE	2	5/8/2001	5.19	E	0.00	5.19	0.04	E	10.38	0.08	Normal	Normal	78217214363
8	WC WALL MTD W/FV	10	12/11/1995	0.00	E	0.00	0.00	3.12	E	0.00	31.20	Quoted	Normal	
9	WC FLR MTD W/TANK	8	12/11/1995	0.00	E	0.00	0.00	2.53	E	0.00	20.24	Quoted	Normal	
10	WC FLUSH VLV	10	12/11/1995	0.00	E	0.00	0.00	1.49	E	0.00	14.90	Quoted	Normal	
11	WC CARRIER SINGLE	20	12/11/1995	0.00	E	0.00	0.00	1.69	E	0.00	33.80	Quoted	Normal	
12	OPEN FRONT ELONGATED SEAT	8	7/21/2000	0.00	E	0.00	0.00	0.20	E	0.00	1.60	Quoted	Normal	
13	#46 OLSONITE O/F SEAT -WHT	20	5/8/2001	44.40	E	0.00	44.40	0.20	E	888.00	4.00	Quoted	Normal	02379904571
14	SLOAN 910 EX WC FLUSH VAL	10	5/8/2001	221.70	E	0.00	221.70	1.50	E	2,217.00	15.00	Normal	Normal	67125406176
15	G-230 WAX SETTING SEAL	18	12/11/1995	0.00	E	0.00	0.00	0.08	E	0.00	1.44	Quoted	Normal	
16	5/16 BRASS CLOSET B/N/W	36	12/11/1995	0.00	E	0.00	0.00	0.16	E	0.00	5.76	Quoted	Normal	
17	URINAL FV	4	12/11/1995	0.00	E	0.00	0.00	1.49	E	0.00	5.96	Quoted	Normal	
18	URINAL CARRIER	4	12/11/1995	0.00	E	0.00	0.00	1.69	E	0.00	6.76	Quoted	Normal	
19	SINK SERVICE W/TRAP STD	2	12/11/1995	0.00	E	0.00	0.00	3.44	E	0.00	6.88	Quoted	Normal	
20	SINK COUNTER TOP 1-COMP	2	12/11/1995	0.00	E	0.00	0.00	2.92	E	0.00	5.84	Quoted	Normal	
21	SINK FAUCET SINGLE HANDLE	2	12/11/1995	0.00	E	0.00	0.00	0.70	E	0.00	1.40	Quoted	Normal	
22	1 1/2in SLIP JOINT TAILPIECE	2	12/23/1999	0.00	E	0.00	0.00	0.05	E	0.00	0.10	Quoted	Normal	
23	1 1/2in 17 GA P-TRAP	2	12/23/1999	0.00	E	0.00	0.00	0.30	E	0.00	0.60	Quoted	Normal	
24	MOP SINK FAUCET SET	2	12/11/1995	0.00	E	0.00	0.00	0.66	E	0.00	1.32	Quoted	Normal	
25	LAVATORY WALL MTD	8	12/11/1995	0.00	E	0.00	0.00	2.14	E	0.00	17.12	Quoted	Normal	
26	LAVATORY COUNTER TOP	14	12/11/1995	0.00	E	0.00	0.00	1.95	E	0.00	27.30	Quoted	Normal	
27	LAV FAUCET 4" C-C	22	7/21/2000	0.00	E	0.00	0.00	0.70	E	0.00	15.40	Quoted	Normal	
28	1 1/4 CHROME P TRAP	24	12/11/1995	0.00	E	0.00	0.00	0.30	E	0.00	7.20	Quoted	Normal	
29	EWC 5 GPH FLR MTD	2	12/11/1995	0.00	E	0.00	0.00	2.47	E	0.00	4.94	Quoted	Normal	
30	1/3 HP DISPOSER	2	12/23/1999	0.00	E	0.00	0.00	0.75	E	0.00	1.50	Quoted	Normal	

	Description	Qty	Date	Price	U	Disc	Net	Labor	U	Total Mat(\$)	Total Hours	Mat. Cond.	Lab. Cond.	Price Code
31	CR14 1/2x3/8 STR CR VALVE	4	12/11/1995	0.00	E	0.00	0.00	0.16	E	0.00	0.64	Quoted	Normal	
32	CR19 1/2x3/8 ANGLE CR VALV	54	12/11/1995	0.00	E	0.00	0.00	0.16	E	0.00	8.64	Quoted	Normal	
33	12DL 3/8x12 CP CLOSET TUBE	8	12/11/1995	0.00	E	0.00	0.00	0.16	E	0.00	1.28	Quoted	Normal	
34	3/8 ODx36 LAV RISER RB	4	12/11/1995	0.00	E	0.00	0.00	0.16	E	0.00	0.64	Quoted	Normal	
35	3/8 ODx12 LAV RISER CH	46	12/11/1995	0.00	E	0.00	0.00	0.16	E	0.00	7.36	Quoted	Normal	
36	1/2 C.P. SPUN ESCUTCHEONS	58	12/11/1995	0.00	C	0.00	0.00	0.06	E	0.00	3.48	Quoted	Normal	
	Totals									3,135.32	291.74			

<DOMESTIC WATER>

	Description	Qty	Date	Price	U	Disc	Net	Labor	U	Total Mat(\$)	Total Hours	Mat. Cond.	Lab. Cond.	Price Code
1	1/2 COPPER TYPE L HARD PIP	600	8/24/2001	1.13	E	28.00	0.81	0.03	E	486.00	18.00	Normal	Normal	66831240090
2	3/4 COPPER TYPE L HARD PIP	360	8/24/2001	1.77	E	28.00	1.27	0.03	E	457.20	10.80	Normal	Normal	66831240170
3	1 COPPER TYPE L HARD PIPE	400	8/24/2001	2.48	E	28.00	1.79	0.05	E	716.00	20.00	Normal	Normal	66831240220
4	1 1/4 COPPER TYPE L HARD P	160	8/24/2001	3.35	E	28.00	2.41	0.05	E	385.60	8.00	Normal	Normal	66831240260
5	1 1/2 COPPER TYPE L HARD P	240	8/24/2001	4.27	E	28.00	3.07	0.05	E	736.80	12.00	Normal	Normal	66831240290
6	1/2 WROT COPPER 90	60	10/26/2001	0.59	E	28.00	0.42	0.26	E	25.20	15.60	Normal	Normal	03992331272
7	3/4 WROT COPPER 90	50	10/26/2001	1.28	E	28.00	0.92	0.35	E	46.00	17.50	Normal	Normal	03992331288
8	1 WROT COPPER 90	30	10/26/2001	3.15	E	28.00	2.27	0.40	E	68.10	12.00	Normal	Normal	03992331296
9	1 1/4 WROT COPPER 90	4	10/26/2001	4.77	E	28.00	3.43	0.46	E	13.72	1.84	Normal	Normal	03992331306
10	1 1/2 WROT COPPER 90	14	10/26/2001	7.44	E	28.00	5.36	0.48	E	75.04	6.72	Normal	Normal	03992331314
11	1/2 CxC WROT COPPER COUPI	60	10/26/2001	0.43	E	28.00	0.31	0.26	E	18.60	15.60	Normal	Normal	03992330694
12	3/4 CxC WROT COPPER COUPI	36	10/26/2001	0.85	E	28.00	0.61	0.35	E	21.96	12.60	Normal	Normal	03992330712
13	1 CxC WROT COPPER COUPLI	40	10/26/2001	1.76	E	28.00	1.27	0.40	E	50.80	16.00	Normal	Normal	03992330730
14	1 1/4 CxC WROT COPPER COL	16	10/26/2001	3.09	E	28.00	2.22	0.46	E	35.52	7.36	Normal	Normal	03992330746
15	1 1/2 CxC WROT COPPER COL	24	10/26/2001	4.07	E	28.00	2.93	0.48	E	70.32	11.52	Normal	Normal	03992330764
16	1/2 CxCxC WROT COPPER TEE	8	10/26/2001	0.96	E	28.00	0.69	0.38	E	5.52	3.04	Normal	Normal	03992332700
17	3/4 CxCxC WROT COPPER TEE	12	10/26/2001	2.36	E	28.00	1.70	0.50	E	20.40	6.00	Normal	Normal	03992332768
18	1 CxCxC WROT COPPER TEE	8	10/26/2001	7.28	E	28.00	5.24	0.59	E	41.92	4.72	Normal	Normal	03992332818
19	1 1/2 CxCxC WROT COPPER T	4	10/26/2001	15.32	E	28.00	11.03	0.70	E	44.12	2.80	Normal	Normal	03992332910
20	3/4x3/4x1/2 CxCxC WROT REDU	8	5/18/2001	2.15	E	28.00	1.55	0.44	E	12.40	3.52	Normal	Normal	68326432774
21	3/4x1/2x1/2 CxCxC WROT REDU	4	5/18/2001	2.62	E	28.00	1.89	0.44	E	7.56	1.76	Normal	Normal	68326432790
22	1x1x3/4 CxCxC WROT REDU TE	4	5/18/2001	6.84	E	28.00	4.92	0.55	E	19.68	2.20	Normal	Normal	68326432824
23	1 1/2x1 1/2x3/4 CxCxC WROT R	4	5/18/2001	10.72	E	28.00	7.72	0.66	E	30.88	2.64	Normal	Normal	68326432918
24	1 1/2x1 1/2x1/2 CxCxC WROT R	1	5/18/2001	10.72	E	28.00	7.72	0.66	E	7.72	0.66	Normal	Normal	68326432920
25	1 1/2x1 1/4x3/4 CxCxC WROT R	6	5/18/2001	21.94	E	28.00	15.80	0.66	E	94.80	3.96	Normal	Normal	68326432930
26	1 1/2 CxMIP WROT MALE ADAP	2	10/26/2001	8.80	E	28.00	6.34	0.25	E	12.68	0.50	Normal	Normal	03992330368
27	1/2x1/4 CxF WROT REDU ADAP	1	10/26/2001	2.96	E	28.00	2.13	0.30	E	2.13	0.30	Normal	Normal	03992330138
28	1/2 C PRS TEE END CAP WRC	16	5/18/2001	0.39	E	28.00	0.28	0.17	E	4.48	2.72	Normal	Normal	68326430626
29	3/4 C PRS TEE END CAP WRC	8	5/18/2001	0.68	E	28.00	0.49	0.22	E	3.92	1.76	Normal	Normal	68326430630
30	1 C PRS TEE END CAP WROT	16	5/18/2001	1.64	E	28.00	1.18	0.25	E	18.88	4.00	Normal	Normal	68326430632
31	1/2 COPPER TUBE STRAP WRC	24	10/26/2001	0.32	E	28.00	0.23	0.10	E	5.52	2.40	Normal	Normal	03992332416
32	3/4 COPPER TUBE STAP WRO	32	10/26/2001	0.54	E	28.00	0.39	0.10	E	12.48	3.20	Normal	Normal	03992332420
33	1 COPPER TUBE STRAP WROT	24	10/26/2001	0.57	E	28.00	0.41	0.10	E	9.84	2.40	Normal	Normal	03992332422
34	1 1/4 COPPER TUBE STRAP W	8	10/26/2001	0.71	E	28.00	0.51	0.10	E	4.08	0.80	Normal	Normal	03992332424
35	1/4xCLOSE BRASS THD NIPPLE	2	5/8/2001	5.16	E	28.00	3.72	0.03	E	7.44	0.06	Normal	Normal	67513529120
36	3/8 STD HEX NUT	470	5/8/2001	11.33	C	15.00	9.63	0.03	E	45.26	14.10	Normal	Normal	61601332194
37	3/8 STEEL FLAT WASHER	470	5/8/2001	9.79	C	15.00	8.32	0.01	E	39.10	4.70	Normal	Normal	61601332319
38	3/8 BLK ALL-THD ROD FIG. 146	706	4/27/2001	1.18	E	15.00	1.00	0.05	E	706.00	35.30	Normal	Normal	69029113725

	Description	Qty	Date	Price	U	Disc	Net	Labor	U	Total Mat(\$)	Total Hours	Mat. Cond.	Lab. Cond.	Price Code
39	3/8 THD CONCRETE INSERT	236	5/8/2001	74.10	C	15.00	62.98	0.05	E	148.63	11.80	Normal	Normal	03191694024
40	1/2 COPPER CLEVIS FIG CT-65	100	4/27/2001	2.71	E	15.00	2.30	0.18	E	230.00	18.00	Normal	Normal	69029114788
41	3/4 COPPER CLEVIS FIG CT-65	46	4/27/2001	2.93	E	15.00	2.49	0.18	E	114.54	8.28	Normal	Normal	69029114789
42	1 COPPER CLEVIS FIG CT-65	50	4/27/2001	2.93	E	15.00	2.49	0.18	E	124.50	9.00	Normal	Normal	69029114790
43	1 1/4 COPPER CLEVIS FIG CT-	16	4/27/2001	3.26	E	15.00	2.77	0.18	E	44.32	2.88	Normal	Normal	69029114791
44	1 1/2 COPPER CLEVIS FIG CT-	24	4/27/2001	3.38	E	15.00	2.87	0.18	E	68.88	4.32	Normal	Normal	69029114792
45	3/4 NIBCO S-111 GATE VALVE	8	5/8/2001	28.60	E	30.00	20.02	0.45	E	160.16	3.60	Normal	Normal	03992361154
46	1 NIBCO S-111 GATE VALVE 12	8	5/8/2001	38.90	E	30.00	27.23	0.53	E	217.84	4.24	Normal	Normal	03992361155
47	1 1/4 NIBCO S-111 GATE VALV	2	5/8/2001	62.00	E	30.00	43.40	0.60	E	86.80	1.20	Normal	Normal	03992361156
48	1 1/2 NIBCO S-111 GATE VALV	4	5/8/2001	70.00	E	30.00	49.00	0.65	E	196.00	2.60	Normal	Normal	03992361157
49	1 1/2 R&W 299 GATE VLV 150F	3	7/20/2001	57.82	E	30.00	40.47	0.65	E	121.41	1.95	Halted	Normal	67077929908
50	ZURN 1305-VB WALL W/BOX	2	8/30/1999	0.00	E	10.00	0.00	0.87	E	0.00	1.74	Quoted	Normal	
51	1 1/2 U5B WATTS PRV	1	5/8/2001	441.00	E	10.00	396.90	1.85	E	396.90	1.85	Normal	Normal	09826800254
52	0-200 PSI GAUGE	1	5/8/2001	12.99	E	10.00	11.69	0.97	E	11.69	0.97	Normal	Normal	01378926440
53	1/4 GAUGE COCK	1	5/8/2001	5.42	E	10.00	4.88	0.97	E	4.88	0.97	Normal	Normal	66254501531
54	95/5 500 GRAM SPOOL 1.1LB	10	5/8/2001	9.05	E	0.00	9.05	0.00	E	90.50	0.00	Normal	No Labor	68403210030
55	SOLDER PASTE 50G	4	12/11/1995	0.00	E	0.00	0.00	0.00	E	0.00	0.00	Quoted	No Labor	
	Totals									6,380.72	362.48			

<SANITARY WASTE & VENT BG>

	Description	Qty	Date	Price	U	Disc	Net	Labor	U	Total Mat(\$)	Total Hours	Mat. Cond.	Lab. Cond.	Price Code
1	2 CI NO HUB SOIL PIPE	80	10/26/2001	545.00	C	59.00	223.45	0.07	E	178.76	5.60	Normal	Normal	67061095120
2	3 CI NO HUB SOIL PIPE	80	10/26/2001	751.00	C	59.00	307.91	0.10	E	246.33	8.00	Normal	Normal	67061095125
3	4 CI NO HUB SOIL PIPE	100	10/26/2001	976.00	C	59.00	400.16	0.13	E	400.16	13.00	Normal	Normal	67061095130
4	2 NO HUB 1/4 BEND	4	5/8/2001	7.95	E	57.00	3.42	0.25	E	13.68	1.00	Normal	Normal	67061000685
5	3 NO HUB 1/4 BEND	4	5/8/2001	11.00	E	57.00	4.73	0.37	E	18.92	1.48	Normal	Normal	67061000686
6	4 NO HUB 1/4 BEND	4	5/8/2001	15.90	E	57.00	6.84	0.50	E	27.36	2.00	Normal	Normal	67061000687
7	2 NO HUB 1/8 BEND	4	5/8/2001	6.75	E	57.00	2.90	0.24	E	11.60	0.96	Normal	Normal	67061000733
8	2 NO HUB COUPLING	44	5/8/2001	8.10	E	0.00	8.10	0.00	E	356.40	0.00	Normal	No Labor	67061000622
9	3 NO HUB COUPLING	34	5/8/2001	9.60	E	0.00	9.60	0.00	E	326.40	0.00	Normal	No Labor	67061000624
10	4 NO HUB COUPLING	60	5/8/2001	11.40	E	0.00	11.40	0.00	E	684.00	0.00	Normal	No Labor	67061000626
11	4 CI NO HUB WYE	3	5/8/2001	23.80	E	57.00	10.23	0.71	E	30.69	2.13	Normal	Normal	67061000826
12	3x2 CI NO HUB RED WYE	2	5/8/2001	11.05	E	57.00	4.75	0.46	E	9.50	0.92	Normal	Normal	67061000822
13	4x2 CI NO HUB RED WYE	4	5/8/2001	15.25	E	57.00	6.56	0.65	E	26.24	2.60	Normal	Normal	67061000824
14	4x3 CI NO HUB RED WYE	2	5/8/2001	20.75	E	57.00	8.92	0.65	E	17.84	1.30	Normal	Normal	67061000825
15	2 NO HUB P-TRAP	2	5/8/2001	11.60	E	57.00	4.99	0.28	E	9.98	0.56	Normal	Normal	67061001012
16	4x3 NO HUB RED COMBINATIO	2	5/8/2001	23.55	E	0.00	23.55	0.87	E	47.10	1.74	Normal	Normal	67061000882
17	2 NO HUB COMBINATION	2	5/8/2001	11.60	E	0.00	11.60	0.56	E	23.20	1.12	Normal	Normal	67061001698
18	3 NO HUB COMBINATION	2	5/8/2001	17.70	E	0.00	17.70	0.77	E	35.40	1.54	Normal	Normal	67061000880
19	4 NO HUB COMBINATION	3	5/8/2001	32.30	E	0.00	32.30	1.22	E	96.90	3.66	Normal	Normal	67061000883
20	4x2 NO HUB RED DOUBLE CO	2	5/8/2001	52.05	E	0.00	52.05	1.05	E	104.10	2.10	Normal	Normal	67061000903
21	4x3 NO HUB RED DOUBLE CO	2	5/8/2001	54.55	E	0.00	54.55	1.05	E	109.10	2.10	Normal	Normal	67061000904
22	3-FT.DPTH.W/EXIST.MATERIAL	260	12/11/1995	0.00	C	0.00	0.00	0.00	E	0.00	0.00	Quoted	No Labor	
	Totals									2,773.66	51.81			

<SANITARY WASTE & VENT AG>

	Description	Qty	Date	Price	U	Disc	Net	Labor	U	Total Mat(\$)	Total Hours	Mat. Cond.	Lab. Cond.	Price Code
1	2 CI NO HUB SOIL PIPE	200	10/26/2001	545.00	C	59.00	223.45	0.07	E	446.90	14.00	Normal	Normal	67061095120
2	3 CI NO HUB SOIL PIPE	80	10/26/2001	751.00	C	59.00	307.91	0.10	E	246.33	8.00	Normal	Normal	67061095125
3	4 CI NO HUB SOIL PIPE	240	10/26/2001	976.00	C	59.00	400.16	0.13	E	960.38	31.20	Normal	Normal	67061095130
4	2 NO HUB COUPLING	20	5/8/2001	8.10	E	0.00	8.10	0.00	E	162.00	0.00	Normal	No Labor	67061000622
5	3 NO HUB COUPLING	8	5/8/2001	9.60	E	0.00	9.60	0.00	E	76.80	0.00	Normal	No Labor	67061000624
6	4 NO HUB COUPLING	24	5/8/2001	11.40	E	0.00	11.40	0.00	E	273.60	0.00	Normal	No Labor	67061000626
7	3/8 STD HEX NUT	80	5/8/2001	11.33	C	15.00	9.63	0.03	E	7.70	2.40	Normal	Normal	61601332194
8	1/2 STD HEX NUT	32	5/8/2001	25.75	C	15.00	21.89	0.03	E	7.00	0.96	Normal	Normal	61601332198
9	5/8 STD HEX NUT	96	5/8/2001	41.20	C	15.00	35.02	0.03	E	33.62	2.88	Normal	Normal	61601332202
10	3/8 STEEL FLAT WASHER	80	5/8/2001	9.79	C	15.00	8.32	0.01	E	6.66	0.80	Normal	Normal	61601332319
11	1/2 STEEL FLAT WASHER	32	5/8/2001	14.94	C	15.00	12.70	0.01	E	4.06	0.32	Normal	Normal	61601332323
12	5/8 STEEL FLAT WASHER	96	5/8/2001	32.96	C	15.00	28.02	0.01	E	26.90	0.96	Normal	Normal	61601332327
13	3/8 BLK ALL-THD ROD FIG. 146	120	4/27/2001	1.18	E	15.00	1.00	0.05	E	120.00	6.00	Normal	Normal	69029113725
14	1/2 BLK ALL-THD ROD FIG. 146	48	4/27/2001	1.86	E	15.00	1.58	0.06	E	75.84	2.88	Normal	Normal	69029113726
15	5/8 BLK ALL-THD ROD FIG. 146	144	4/27/2001	2.64	E	15.00	2.24	0.08	E	322.56	11.52	Normal	Normal	69029113727
16	3/8 THD CONCRETE INSERT	40	5/8/2001	74.10	C	15.00	62.98	0.05	E	25.19	2.00	Normal	Normal	03191694024
17	1/2 THD CONCRETE INSERT	16	5/8/2001	154.70	C	15.00	131.49	0.06	E	21.04	0.96	Normal	Normal	03191694026
18	5/8 THD CONCRETE INSERT	48	5/8/2001	220.30	C	15.00	187.26	0.06	E	89.88	2.88	Normal	Normal	03191694028
19	2 ADJ CLEVIS FIG 260	40	4/27/2001	2.81	E	15.00	2.39	0.18	E	95.60	7.20	Normal	Normal	69029114052
20	3 ADJ CLEVIS FIG 260	16	4/27/2001	5.75	E	15.00	4.89	0.21	E	78.24	3.36	Normal	Normal	69029114054
21	4 ADJ CLEVIS FIG 260	48	4/27/2001	6.92	E	15.00	5.88	0.23	E	282.24	11.04	Normal	Normal	69029114056
	Totals									3,362.54	109.36			

<NATURAL GAS>

	Description	Qty	Date	Price	U	Disc	Net	Labor	U	Total Mat(\$)	Total Hours	Mat. Cond.	Lab. Cond.	Price Code
1	3/4 A53 T&C STD BLACK PIPE	40	5/8/2001	93.00	C	0.00	93.00	0.05	E	37.20	2.00	Normal	Normal	66810101410
2	1 A53 T&C STD BLACK PIPE	100	5/8/2001	117.00	C	0.00	117.00	0.05	E	117.00	5.00	Normal	Normal	66810101415
3	1 1/2 A53 T&C STD BLACK PIPE	42	5/8/2001	191.00	C	0.00	191.00	0.07	E	80.22	2.94	Normal	Normal	66810101425
4	2 A53 T&C STD BLACK PIPE	120	5/8/2001	257.00	C	0.00	257.00	0.09	E	308.40	10.80	Normal	Normal	66810101430
5	3/4 BMI 150# 90	4	5/4/2001	2.22	E	0.00	2.22	0.44	E	8.88	1.76	Normal	Normal	69029134632
6	1 BMI 150# 90	12	5/4/2001	3.86	E	0.00	3.86	0.55	E	46.32	6.60	Normal	Normal	69029134633
7	1 1/2 BMI 150# 90	4	5/4/2001	8.34	E	0.00	8.34	0.69	E	33.36	2.76	Normal	Normal	69029134635
8	2 BMI 150# 90	6	5/4/2001	14.38	E	0.00	14.38	0.85	E	86.28	5.10	Normal	Normal	69029134636
9	3/4 BMI 150# TEE	6	5/4/2001	3.53	E	0.00	3.53	0.66	E	21.18	3.96	Normal	Normal	69029145512
10	1x3/4x3/4 BMI 150# RED TEE	4	5/4/2001	7.29	E	0.00	7.29	0.75	E	29.16	3.00	Normal	Normal	69029134592
11	1 1/2x1x1 1/2 BMI 150# RED TEE	1	5/4/2001	17.44	E	0.00	17.44	0.92	E	17.44	0.92	Normal	Normal	69029135899
12	2x1 1/2x1 1/2 BMI 150# RED TEE	1	5/4/2001	26.72	E	0.00	26.72	1.14	E	26.72	1.14	Normal	Normal	69029102478
13	2x1 1/2x1 BMI 150# RED TEE	1	5/4/2001	26.72	E	0.00	26.72	1.14	E	26.72	1.14	Normal	Normal	69029102480
14	3/4 BMI 150# COUPLING	2	5/4/2001	2.97	E	0.00	2.97	0.44	E	5.94	0.88	Normal	Normal	69029134820
15	1 BMI 150# COUPLING	5	5/4/2001	4.45	E	0.00	4.45	0.54	E	22.25	2.70	Normal	Normal	69029134821
16	1 1/2 BMI 150# COUPLING	2	5/4/2001	7.79	E	0.00	7.79	0.69	E	15.58	1.38	Normal	Normal	69029134823
17	2 BMI 150# COUPLING	6	5/4/2001	11.53	E	0.00	11.53	0.83	E	69.18	4.98	Normal	Normal	69029134824
18	3/4 BMI 150# G/J UNION	6	5/4/2001	9.31	E	0.00	9.31	0.46	E	55.86	2.76	Normal	Normal	69029135417
19	3/4 BMI 150# CAP	6	5/4/2001	2.50	E	0.00	2.50	0.23	E	15.00	1.38	Normal	Normal	69029146313
20	1/2 STD HEX NUT	43	5/8/2001	25.75	C	15.00	21.89	0.03	E	9.41	1.29	Normal	Normal	61601332198
21	5/8 STD HEX NUT	24	5/8/2001	41.20	C	15.00	35.02	0.03	E	8.40	0.72	Normal	Normal	61601332202
22	1/2 STEEL FLAT WASHER	43	5/8/2001	14.94	C	15.00	12.70	0.01	E	5.46	0.43	Normal	Normal	61601332323
23	5/8 STEEL FLAT WASHER	24	5/8/2001	32.96	C	15.00	28.02	0.01	E	6.72	0.24	Normal	Normal	61601332327
24	1/2 BLK ALL-THD ROD FIG. 146	66	4/27/2001	1.86	E	15.00	1.58	0.06	E	104.28	3.96	Normal	Normal	69029113726
25	5/8 BLK ALL-THD ROD FIG. 146	36	4/27/2001	2.64	E	15.00	2.24	0.08	E	80.64	2.88	Normal	Normal	69029113727
26	1/2 THD CONCRETE INSERT	22	5/8/2001	154.70	C	15.00	131.49	0.06	E	28.93	1.32	Normal	Normal	03191694026
27	5/8 THD CONCRETE INSERT	12	5/8/2001	220.30	C	15.00	187.26	0.06	E	22.47	0.72	Normal	Normal	03191694028
28	3 ADJ CLEVIS FIG 260	18	4/27/2001	5.75	E	15.00	4.89	0.21	E	88.02	3.78	Normal	Normal	69029114054
29	3 1/2 ADJ CLEVIS FIG 260	4	4/27/2001	6.02	E	15.00	5.12	0.21	E	20.48	0.84	Normal	Normal	69029114055
30	4 ADJ CLEVIS FIG 260	12	4/27/2001	6.92	E	15.00	5.88	0.23	E	70.56	2.76	Normal	Normal	69029114056
31	3 SHIELD	18	6/1/2001	6.20	E	15.00	5.27	0.14	E	94.86	2.52	Normal	Normal	78101108829
32	3 1/2 SHIELD	4	6/1/2001	17.50	E	15.00	14.88	0.14	E	59.52	0.56	Normal	Normal	78101108772
33	4 SHIELD	12	6/1/2001	7.40	E	15.00	6.29	0.14	E	75.48	1.68	Normal	Normal	78101108835
34	3/4 85CBK GAS COCK SCR	6	5/8/2001	10.00	E	10.00	9.00	0.54	E	54.00	3.24	Normal	Normal	61191805864
	Totals									1,751.92	88.14			

	Labor Type	Crew	Hours	Rate \$	SubTotal	Brdn %	Frng \$	Brdn Tot.	Frng Tot.	Total	Full Rate
1	PLUMBER JOURNEYMAN	2.00	602.35	22.00	13,251.70	38.000	2.00	5,035.65	1,204.70	19,492.05	32.36
2	PLUMBER APPRENTICE	1.00	301.18	15.00	4,517.70	38.000	2.00	1,716.73	602.36	6,836.79	22.70
	Totals	3.00	903.53	19.67	17,769.40	38.000	2.00	6,752.38	1,807.06	26,328.84	29.14

	Incidental Labor	Hours	Rate \$	SubTotal	Brdn %	Frng \$	Brdn Tot.	Frng Tot.	Total	Full Rate
1	JOB SETUP	12.00	19.67	236.04	38.000	2.00	89.70	24.00	349.74	29.15
2	INSTALLATION DRAWINGS	10.00	19.67	196.70	38.000	2.00	74.75	20.00	291.45	29.15
3	TRAVEL TIME	18.00	19.67	354.06	38.000	2.00	134.54	36.00	524.60	29.14
4	SITE MEETINGS	8.00	19.67	157.36	38.000	2.00	59.80	16.00	233.16	29.15
	Totals	48.00	19.67	944.16	38.001	2.00	358.79	96.00	1,398.95	29.14

	Labor Factoring	Factor	Hours	Rate \$	SubTotal	Brdn %	Frng \$	Brdn Tot.	Frng Tot.	Total	Full Rate
1	WEATHER CONDITION	5.000	45.18	19.67	888.69	38.000	2.00	337.70	90.36	1,316.75	29.14
2	JOB LOCATION	2.000	18.07	19.67	355.44	38.000	2.00	135.07	36.14	526.65	29.14
3	WORK CONDITION	3.000	27.11	19.67	533.25	38.000	2.00	202.64	54.22	790.11	29.14
	Totals	10.000	90.36	19.67	1,777.38	38.000	2.00	675.41	180.72	2,633.51	29.14

	Indirect Labor	Lab %	Hours	Rate \$	SubTotal	Brdn %	Frng \$	Brdn Tot.	Frng Tot.	Total	Full Rate
1	PROJECT MANAGER	25.000	225.88	30.00	6,776.40	38.000	2.00	2,575.03	451.76	9,803.19	43.40
	Totals		225.88	30.00	6,776.40	38.000	2.00	2,575.03	451.76	9,803.19	43.40

	Subcontractors	Alarm	Cost	Ovhd(%)	Mkup(%)	Total	Vendor
1	AIR CONDITIONING	Off	22,000.00	6.000	4.000	24,252.80	BEST
2	EXCAVATION & BACKFILL	Off	12,900.00	6.000	4.000	14,220.96	BEST EXCAVATION
	Totals		34,900.00	2,094.00	1,479.76	38,473.76	

	General Expenses	Alarm	Qty	Cost/Unit	Ovhd(%)	Mkup(%)	Total	Notes
1	PLUMBING PERMIT	Off	1.00	500.00	4.000	3.000	535.60	
2	CONSUMABLES	Off	1.00	800.00	4.000	3.000	856.96	
3	SMALL TOOLS	Off	1.00	2,200.00	4.000	3.000	2,356.64	
	Totals				140.00	109.20	3,749.20	

	Quoted Materials	Alarm	Cost	Adj(%)	Total	Vendor
1	PLUMBING FIXTURES	Off	15,000.00		15,000.00	SUPPLIER A (303-738-0000)
2	HEATING/COOLING EQPT	Off	19,255.00		19,255.00	SUPPLIER A (303-738-0000)
	Totals		34,255.00		34,255.00	

	Final Pricing	Calculated (%)	Calculated (\$)	Variance (%)	Modified (\$)	Modified (%)	Alarm
	Database Material (Extension)		16,516.20		16,516.20		
	Material Escalation						
	Quoted Material (Extension)		888.00		888.00		
	Quoted Material		34,255.00		34,255.00		
	Quoted Material (QA)						
	Material Tax	8.000	4,132.74		4,132.74	8.000	
	Material Total		55,791.94		55,791.94		
	Direct Labor		26,328.84		26,328.84		
	Incidental Labor		1,398.95		1,398.95		
	Labor Factoring		2,633.51		2,633.51		
	Labor Escalation						
	Indirect Labor		9,803.19		9,803.19		
	Labor Tax						
	Labor Total		40,164.49		40,164.49		
	Subcontractors		34,900.00		34,900.00		
	General Expenses		3,500.00		3,500.00		
	Total Cost		134,356.43		134,356.43		
	Database Material Overhead						
	Quoted Material Overhead						
	Labor Overhead						
	Subcontractors Overhead	6.000	2,094.00		2,094.00	6.000	
	General Expenses Overhead	4.000	140.00		140.00	4.000	
	Adjustment Overhead						
	Total Overhead	1.663	2,234.00		2,234.00	1.663	
	Database Material Markup	4.000	713.50		713.50	4.000	
	Quoted Material Markup	2.000	759.09		759.09	2.000	
	Labor Markup	13.500	5,422.21		5,422.21	13.500	
	Subcontractors Markup	4.000	1,479.76		1,479.76	4.000	
	General Expenses Markup	3.000	109.20		109.20	3.000	
	Adjustment Markup						
	Total Markup	6.211	8,483.76		8,483.76	6.211	
	Job Expense						
	Financing	0.750	1,088.06		1,088.06	0.750	
	Bonding	1.450	2,119.35		2,119.35	1.450	
	Final Adjustment						
	Selling Price		148,281.60		148,281.60		
	VAT						
	Final Price		148,281.60		148,281.60		

	Price Summary	Value	%	Alarm
	Database Material	16,516.20	11.138	
	Quoted Material	35,143.00	23.700	
	Material Tax	4,132.74	2.787	
	Material Total	55,791.94	37.626	
	Direct Labor	20,490.94	13.819	
	Direct Labor Burden & Fringes	9,870.36	6.656	
	Indirect Labor	6,776.40	4.570	
	Indirect Labor Burden & Fringes	3,026.79	2.041	
	Labor Tax			
	Labor Total	40,164.49	27.087	
	Subcontractors	34,900.00	23.536	
	General Expenses	6,707.41	4.523	
	Prime Cost	137,563.84	92.772	
	Total Overhead	2,234.00	1.507	
	Net Cost	139,797.84	94.279	
	Total Profit	8,483.76	5.721	
	Selling Price	148,281.60	100.000	
	VAT			
	Final Price	148,281.60	100.000	
	Labor Risk Ratio %	21.1225		
	Area	80,000.00		
	Price Per Unit Area	1.85		
	Total Labor Hours	1,267.77		
	Labor Hours Per Unit Area	0.0158		
	Average Labor Cost Per Hour	31.68		
	General Expenses Per Hour	5.2907		

Jul 23, 2002

Dear

PROJECT: MECHANICAL OFFICE BUILDING

We will supply and install all materials, labor, and equipment as per drawing specifications and addenda _____
to _____ inclusive for the total amount of \$148,281.60.

General Conditions

- 1.) All applicable taxes are included in our submission.
- 2.) The Mechanical Contractor shall not be held liable for errors or omissions in the designs of others, nor inadequacies of materials and equipment specified or supplied by others.
- 3.) Equipment and materials supplied by the Mechanical Contractor are warranted only to the extent that the same are warranted by the manufacturer.
- 4.) The Mechanical Contractor shall not be liable for indirect loss or damage.
- 5.) Unless included in this proposal, all bonding and/or special insurance requirements are supplied at additional cost.
- 6.) If a formal contract is required, its conditions must not deviate from this proposal without our prior approval.
- 7.) Anything (verbal or written) expressed or implied elsewhere, which is contrary to these conditions shall be null and void.

Respectfully

Accepted by

Your Company Name

General Contractor