



Dynamic Estimation Inc.

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PROJECT ID:

HC Michael Morris Graham Park Rec Center Build

SCOPE:

ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
DIVISION 01 - GENERAL REQUIREMENTS									
1		Supervision	1.0	LS	\$ -	\$ -	\$0	\$0	
2		Permits	1.0	LS	\$ -	\$ -	\$0	\$0	
3		Final Clean-up	1.0	LS	\$ -	\$ -	\$0	\$0	
4		Mobilization Costs	1.0	LS	\$ -	\$ -	\$0	\$0	
5		Project Overheads	1.0	LS	\$ -	\$ -	\$0	\$0	
6		Bonds	1.0	LS	\$ -	\$ -	\$0	\$0	
7		Temporary Control & Facilities	1.0	LS	\$ -	\$ -	\$0	\$0	
8		Scaffolding	1.0	LS	\$ -	\$ -	\$0	\$0	
		Subtotal (General Requirements)							\$0
DIVISION 03 - CONCRETE									
		RECREATION CENTER							
		COLUMN							
9	S2.0A, S2.0B &	(20" Dia x 13'-0" H) Concrete Column Reinforced w/ (8 EA) - 6-#6 Vertical Bars w/ Dowels to match & #3 Ties @ 8" O.C.	33.4	CY	\$ -	\$ -	\$0	\$0	
		FOOTINGS							
10	S2.0A, S2.0B &	(2'-0" W x 1'-0" T) Continous Wall Spread Footing Reinforced w/ (396 LF) - 2-#5 Cont. Lap Bars 24" @ Splice	29.3	CY	\$ -	\$ -	\$0	\$0	
11	S2.0A, S2.0B &	(4'-0" W x 1'-0" T) Continous Wall Spread Footing Reinforced w/ (394 LF) - 4-#5 Cont. Lap Bars 24" @ Splice + #5 Bars @ 2'-0" O.C.	58.4	CY	\$ -	\$ -	\$0	\$0	
		SLAB EDGE							
12	S2.0A, S2.0B &	(2 SF) Thickened Slab Edge Reinforced w/ (862 LF) - 2-#5 Cont. Lap Bars 24" @ Splice	63.8	CY	\$ -	\$ -	\$0	\$0	
13	S2.0A, S2.0B &	(2.7 SF) Thickened Slab Edge Reinforced w/ (75 LF) - 3-#5 Cont. Lap Bars 24" @ Splice	7.4	CY	\$ -	\$ -	\$0	\$0	
		COLUMN FOOTINGS							
14	S2.0A, S2.0B &	(3'-0" x 3'-0" x 1'-0") Column Footing Reinforced w/ (8 EA) - 4-#5 Bars EAch Way	2.7	CY	\$ -	\$ -	\$0	\$0	
		SLAB ON GRADE							
15	S2.0A, S2.0B &	8" Thick Concrete Slab Reinforced w/ (25 SF) - 2 Layers of 6x6xW1.4xW1.4 WWF on Prepared Base Material	0.6	CY	\$ -	\$ -	\$0	\$0	
16	S2.0A, S2.0B &	4" Thick Concrete Slab Reinforced w/ (20358 SF) - 6x6xW1.4xW1.4 WWF on Prepared Base Material	251.3	CY	\$ -	\$ -	\$0	\$0	
		CONCESSIONS FOUNDATIONS							
		FOOTINGS							
17	S5.0	(2'-6" W x 1'-0" T) Continous Wall Spread Footing Reinforced w/ (197 LF) - 3-#5 Cont. Lap Bars 24" @ Splice	14.6	CY	\$ -	\$ -	\$0	\$0	
		SLAB EGDE							
18	S5.0	(2 SF) Thickened Slab Edge Reinforced w/ (39 LF) - 2-#5 Cont. Lap Bars 24" @ Splice	2.8	CY	\$ -	\$ -	\$0	\$0	
19	S5.0	(3 SF) Thickened Slab Edge Reinforced w/ (37 LF) - 2-#5 Cont. Lap Bars 24" @ Splice	4.1	CY	\$ -	\$ -	\$0	\$0	
		COLUMN FOOTINGS							
20	S5.0	(3'-6" x 3'-6" x 1'-0") Column Footing Reinforced w/ (2 EA) - 4-#5 Bars EAch Way	0.9	CY	\$ -	\$ -	\$0	\$0	
		SLAB ON GRADE							
21	S5.0	4" Thick Concrete Slab Reinforced w/ (1197 SF) - 6x6xW1.4xW1.4 WWF on Prepared Base Material	14.6	CY	\$ -	\$ -	\$0	\$0	
		Subtotal (Concrete)							\$0
DIVISION 04 - MASONRY									
		CMU							
		RECREATION CENTER							
		LOWER LEVEL							
22	A1.0	8" Exterior CMU Wall '1'	8693.0	SF	\$ -	\$ -	\$0	\$0	
23	A1.0	12" Exterior CMU Wall '2'	8513.0	SF	\$ -	\$ -	\$0	\$0	
24	A1.0	8" Interior CMU Wall '3'	9086.0	SF	\$ -	\$ -	\$0	\$0	
25	A1.0	12" Interior CMU Wall '4'	4261.7	SF	\$ -	\$ -	\$0	\$0	
26	A1.0	8" Interior CMU Wall '5' - Smoke Partition	2184.8	SF	\$ -	\$ -	\$0	\$0	
27	A1.0	8" Interior CMU Wall '6' - Security Partition	2592.5	SF	\$ -	\$ -	\$0	\$0	
28	A2.0 & A2.1	Split Faced CMU (Colour#1) w/ - Seismic Masonry Anchor & Air Space Over 11/2" Min. Rigid Insulation Over Waterproofing	1440.0	SF	\$ -	\$ -	\$0	\$0	
29	A2.0 & A2.1	Half Hight Split Face CMU Band Coursing (Accent Colour)	948.0	LF	\$ -	\$ -	\$0	\$0	
		MEZZANINE LEVEL							
30	A1.4	8" Interior CMU Wall '3'	617.1	SF	\$ -	\$ -	\$0	\$0	
31	A1.4	12" Interior CMU Wall '4'	117.8	SF	\$ -	\$ -	\$0	\$0	
32	A1.4	8" Interior CMU Wall '6' - Security Partition	339.1	SF	\$ -	\$ -	\$0	\$0	
33	A1.4	6" CMU Knee Wall	144.7	SF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
34	A2.2	8" Exterior CMU Wall '1'	2503.0	SF	\$ -	\$ -	\$0	\$0	
35	A2.2	8" Interior CMU Wall '3'	576.0	SF	\$ -	\$ -	\$0	\$0	
		BRICKWORK							
		RECREATION CENTER							
		BRICK VENEER							
36	A2.0 & A2.1	Utility Brick Veneer W/ - Seismic Masonry Anchor & Air Space Over 11/2" Min. Rigid Insulation Over Waterproofing	1950.0	SF	\$ -	\$ -	\$0	\$0	
		ROW LOCK							

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
37	A2.0 & A2.1	Continuous Sloped Utility Brick Rowlock - Provide Symetrically Mitered Corner Joints - Same Colour As Field Brick	475.0	LF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
		BRICK VENEER							
38	A2.2	Utility Brick Veneer W/ - Seismic Masonry Anchor & Air Space Over 11/2" Min. Rigid Insulation Over Waterproofing	666.0	SF	\$ -	\$ -	\$0	\$0	
		ROW LOCK							
39	A2.2	Continuous Sloped Utility Brick Rowlock - Provide Symetrically Mitered Corner Joints - Same Colour As Field Brick	154.0	LF	\$ -	\$ -	\$0	\$0	
		Subtotal (Masonry)							\$0
DIVISION 05 - METALS									
		STRUCTURAL FRAMING							
		RECREATION CENTER							
		W- SECTION							
40	S2.1A, S2.1B	W8x10	49.0	LF	\$ -	\$ -	\$0	\$0	
41	S2.1A, S2.1B	W8x15	813.0	LF	\$ -	\$ -	\$0	\$0	
42	S2.1A, S2.1B	W8x18	102.9	LF	\$ -	\$ -	\$0	\$0	
43	S2.1A, S2.1B	W8x21	12.8	LF	\$ -	\$ -	\$0	\$0	
44	S2.1A, S2.1B	W8x24	39.4	LF	\$ -	\$ -	\$0	\$0	
45	S2.1A, S2.1B	W10x22	123.7	LF	\$ -	\$ -	\$0	\$0	
46	S2.1A, S2.1B	W12x26	222.7	LF	\$ -	\$ -	\$0	\$0	
47	S2.1A, S2.1B	W14x22	156.9	LF	\$ -	\$ -	\$0	\$0	
48	S2.1A, S2.1B	W14x26	108.1	LF	\$ -	\$ -	\$0	\$0	
49	S2.1A, S2.1B	W16x26	80.0	LF	\$ -	\$ -	\$0	\$0	
50	S2.1A, S2.1B	W16x28	16.3	LF	\$ -	\$ -	\$0	\$0	
51	S2.1A, S2.1B	W18x40	62.2	LF	\$ -	\$ -	\$0	\$0	
		C-SECTIONS							
52	S2.1C	C12x20.7	159.3	LF	\$ -	\$ -	\$0	\$0	
53	S2.1C	C2x20.7	80.8	LF	\$ -	\$ -	\$0	\$0	
54	S2.1C	C2x20.7 Rolled	70.4	LF	\$ -	\$ -	\$0	\$0	
55	S2.1C	C8 x 11.5	208.1	LF	\$ -	\$ -	\$0	\$0	
		L-SECTIONS							
56	S2.1A, S2.1B	L-3x3x1/4"	287.8	LF	\$ -	\$ -	\$0	\$0	
57	S2.1A, S2.1B	L-3x3x1/4" Diagonal Kicker	175.6	LF	\$ -	\$ -	\$0	\$0	
58	S2.1A, S2.1B	L-4x4x1/4"	310.0	LF	\$ -	\$ -	\$0	\$0	
59	S2.1A, S2.1B	L-5"x3"x1/4"	918.5	LF	\$ -	\$ -	\$0	\$0	
60	S2.1A, S2.1B	L-5"x5"x5/16"	30.1	LF	\$ -	\$ -	\$0	\$0	
61	S2.1A, S2.1B	L-5x3x3/16" Cont. (LLV)	16.0	LF	\$ -	\$ -	\$0	\$0	
		PLATES							
		Flat Plates							
62	S2.1A, S2.1B	PL 1/4" x 4" Cont. q	22.9	LF	\$ -	\$ -	\$0	\$0	
63	S2.1A, S2.1B	PL 5/8" x 9" x 1'-0 1/2" Steel Plate @ Pipe Column Cap	32.0	EA	\$ -	\$ -	\$0	\$0	
64	S2.1A, S2.1B	PL 1/4" x 5-1/4" x 8-3/4" Steel Stiffener Plate	32.0	EA	\$ -	\$ -	\$0	\$0	
		Bent Plates							
65	S2.1A, S2.1B	PL 3/16" x 6" x 6" Cont.	359.1	LF	\$ -	\$ -	\$0	\$0	
66	S2.1A, S2.1B	PL-1/2" x 8" x 8"	359.1	LF	\$ -	\$ -	\$0	\$0	
67	S2.1A, S2.1B	PL-3/16" x 6" x 6"	208.1	LF	\$ -	\$ -	\$0	\$0	
68	S2.1A, S2.1B	PL-5/8" x 9" x 1'-01/2"	159.3	LF	\$ -	\$ -	\$0	\$0	
		Bearing Plate							
69	S2.1A, S2.1B	Bearing Plate 3/8" x 4" x 6"	479.7	LF	\$ -	\$ -	\$0	\$0	
70	S2.1A, S2.1B	BP-A: 3/4" THK x 2'-0" LG Bearing Plate	14.0	EA	\$ -	\$ -	\$0	\$0	
71	S2.1A, S2.1B	BP-A: 5/8" THK x 1'-4" LG Bearing Plate	4.0	EA	\$ -	\$ -	\$0	\$0	
72	S2.1A, S2.1B	BP-B: 3/4" THK x 2'-0" LG Bearing Plate	6.0	EA	\$ -	\$ -	\$0	\$0	
73	S2.1A, S2.1B	BP-B: 5/8" THK x 1'-4" LG Bearing Plate	8.0	EA	\$ -	\$ -	\$0	\$0	
74	S2.1A, S2.1B	BP-C: 3/4" THK x 1'-4" LG Bearing Plate	6.0	EA	\$ -	\$ -	\$0	\$0	
75	S2.1A, S2.1B	BP-C: 5/8" THK x 1'-4" LG Bearing Plate	2.0	EA	\$ -	\$ -	\$0	\$0	
76	S2.1A, S2.1B	BP-D: 5/8" THK x 1'-4" LG Bearing Plate	2.0	EA	\$ -	\$ -	\$0	\$0	
77	S2.1A, S2.1B	3/8" THK. Continuous Steel Plate, Welded to Bottom of Steel Beam Flange	16.0	LF	\$ -	\$ -	\$0	\$0	
		Base Plate							
78	S2.1A, S2.1B	3/4" x 10" x 10" Base Plate w/ Cap Plate	7.0	EA	\$ -	\$ -	\$0	\$0	
		Cap Plate							
79	S2.1A, S2.1B	8"x8"x3/4" Cap Plate	7.0	EA	\$ -	\$ -	\$0	\$0	
		ANCHORS							
80	S2.1A, S2.1B	1/2"Dia x 4" Studs	42.0	EA	\$ -	\$ -	\$0	\$0	
81	S2.1A, S2.1B	5/8" Dia x 6" Long Headed Studs @ 16" O.C	13.0	EA	\$ -	\$ -	\$0	\$0	
82	S2.1A, S2.1B	3/4" Dia x 6" Long Epoxy Bolts	7.4	EA	\$ -	\$ -	\$0	\$0	
83	S2.1A, S2.1B	5/8"Dia x 6" LG Headed Studs @ 16" O.C	56.7	EA	\$ -	\$ -	\$0	\$0	
84	S2.1A, S2.1B	3/4" Dia x 6" LG. Headed Steel Anchor Studs	248.0	EA	\$ -	\$ -	\$0	\$0	
85	S2.1A, S2.1B	3/4" Dia x 12" LG. Threaded Rods	28.0	EA	\$ -	\$ -	\$0	\$0	
86	S2.1A, S2.1B	3/4" Dia x 6" Embeded Exp Bolts @ 24" O.C.	371.6	EA	\$ -	\$ -	\$0	\$0	
		STEEL JOIST							
87	S2.1A, S2.1B	12K1 @ 48" O.C	3356.1	SF	\$ -	\$ -	\$0	\$0	
88	S2.1A, S2.1B	14K1 @ 48" O.C	1495.7	SF	\$ -	\$ -	\$0	\$0	
89	S2.1A, S2.1B	16K2 @ 48" O.C	3304.4	SF	\$ -	\$ -	\$0	\$0	
90	S2.1A, S2.1B	16K4 @ 48" O.C	1314.5	SF	\$ -	\$ -	\$0	\$0	
91	S2.1A, S2.1B	20K3 @ 48" O.C	801.6	SF	\$ -	\$ -	\$0	\$0	
92	S2.1A, S2.1B	24K4 @ 48" O.C	898.9	SF	\$ -	\$ -	\$0	\$0	

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
93	S2.1A, S2.1B	48" Deep Long Span Joist @ 10'-0" O.C.	9774.3	SF	\$ -	\$ -	\$0	\$0	
94	S2.1A, S2.1B	C8x11.5 @ 48" O.C.	600.1	SF	\$ -	\$ -	\$0	\$0	
95	S2.1A, S2.1B	Long Span Steel Joist For Motorized Gym Divider	84.0	LF	\$ -	\$ -	\$0	\$0	
		FLOOR DECK							
96	S2.1C	6" Concrete Slab over 2" 20 GA. Composite Deck - Reinforced w/ 6x6xW1.4xW1.4 WWF	3582.0	SF	\$ -	\$ -	\$0	\$0	
		ROOF DECK							
97	S2.1B	1.5" (22GA) (GALV) Type"B" Roof Deck	11300.5	SF	\$ -	\$ -	\$0	\$0	
98	S2.1B	3" (20GA) NA Acoustical Metal Deck (GALV)	9774.3	SF	\$ -	\$ -	\$0	\$0	
99	S2.1B	1 1/2" (22GA) Type"B" (GALV) Metal Roof Deck	290.7	SF	\$ -	\$ -	\$0	\$0	
100	S2.1B	3" (20GA) Type"NA" GALV Metal Roof Deck	2400.6	SF	\$ -	\$ -	\$0	\$0	
		STEEL POST							
101	S2.1A, S2.1B	4" Dia Pipe Tension Column	416.0	LF	\$ -	\$ -	\$0	\$0	
102	S2.1A, S2.1B	4" x 4" x 1/4" HSS Column	103.3	LF	\$ -	\$ -	\$0	\$0	
		BRACING							
103	S2.1A, S2.1B	Diagonal X-Bracing	1041.7	LF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
		W- SECTION							
104	S5.0	W8x15	31.2	LF	\$ -	\$ -	\$0	\$0	
		C-SECTIONS							
105	S5.0	C8x11.5 Rolled	35.8	LF	\$ -	\$ -	\$0	\$0	
106	S5.0	C6x8.2	38.4	LF	\$ -	\$ -	\$0	\$0	
		L-SECTION							
107	S5.0	L-3x3x1/4" Cont	147.3	LF	\$ -	\$ -	\$0	\$0	
108	S5.0	L-4x4x1/4"	31.8	LF	\$ -	\$ -	\$0	\$0	
109	S5.0	L5x3x1/4" Cont.	44.1	LF	\$ -	\$ -	\$0	\$0	
		ANCHOR BOLT							
110	S5.0	3/4" Dia x 6" Embedded LG. Exposed Bolt	23.0	EA	\$ -	\$ -	\$0	\$0	
111	S5.0	1/2" Dia x 4" LG. Studs	70.0	EA	\$ -	\$ -	\$0	\$0	
		PLATE							
		Base Plate							
112	S5.0	3/4" x 10" x 10" Base Plate w/ Cap Plate	2.0	EA	\$ -	\$ -	\$0	\$0	
		Cap Plate							
113	S5.0	8"x8"x3/4" Cap Plate	2.0	EA	\$ -	\$ -	\$0	\$0	
		Bearing Plate							
114	S5.0	3/8"x4"x Cont.	37.4	LF	\$ -	\$ -	\$0	\$0	
115	S5.0	3/8"x4"x 6" Bearing Plate	25.1	EA	\$ -	\$ -	\$0	\$0	
		COLUMN							
116	S5.0	4" x 4" x 1/4" HSS Column	28.0	LF	\$ -	\$ -	\$0	\$0	
		STEEL JOIST							
117	S5.0	12KI @ 48" O.C	1261.8	SF	\$ -	\$ -	\$0	\$0	
118	S5.0	Pre-Manufactured Metal Studs Trusses @ 48" O.C.	139.7	SF	\$ -	\$ -	\$0	\$0	
119	S5.0	800S162-54 Outriggers @ 48" O.C.	267.7	SF	\$ -	\$ -	\$0	\$0	
		ROOF DECK							
120	S5.0	1 1/2" (22GA) Type"B" Metal Roof Deck	1669.0	SF	\$ -	\$ -	\$0	\$0	
		ALUMINIUM CANOPY							
121	A1.2	(4' x 5') Suspended Aluminium Canopy	1.0	EA	\$ -	\$ -	\$0	\$0	
		LADDER							
122	A1.2	Metal Access Ladder (20'-3" H)	1.0	EA	\$ -	\$ -	\$0	\$0	
		STAIR							
123	A3.6	Steel Pan Concrete Filled Stair 'STAIR 1' - Lower Section: - 8 Risers @ 7" EA - 7 Treads @ 11" EA - Upper Section: - 17 Risers @ 7" EA - 16 Treads @ 11" EA	2.0	EA	\$ -	\$ -	\$0	\$0	
		METAL RAILING							
		HANDRAIL							
124	A3.6	1 1/2" Dia Painted Steel Pipe Handrail On Wall Mounted Brackets @ 4'-0" O.C.	62.6	LF	\$ -	\$ -	\$0	\$0	
		GUARDRAIL							
125	A3.6	(4'-7" H) Stair Guard Rail - 2" Dia Painted Steel Pipe Guardrail - 3/4" Dia Painted Steel Pickets @ 4" O.C - 1 1/2" Dia Painted Steel Pipe Handrail On Post Mounted Brackets	131.0	LF	\$ -	\$ -	\$0	\$0	
126	A1.4	(3'-10" H) Mezzanine Guard Rail	308.2	LF	\$ -	\$ -	\$0	\$0	
		Subtotal (Metals)							\$0
DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES									
		FRP PANELLING							
127	A1.2	FRP Panel 4' High	25.0	SF	\$ -	\$ -	\$0	\$0	
		MILLWORK							
		CONCESSIONS/RESTROOM							
		CONCESSION							
128	A1.6	(12" Deep) Shelving	19.6	LF	\$ -	\$ -	\$0	\$0	
		RECREATION CENTER							
		KITCHEN							
129	A6.2	(2'-0" Deep & 2'-8" H) Kitchen Base Cabinet	22.9	LF	\$ -	\$ -	\$0	\$0	
130	A6.2	(1'-0" Deep & 2'-6" H) Kitchen Wall Mounted Cabinet	7.2	LF	\$ -	\$ -	\$0	\$0	
		FAMILY TOILET							
131	A6.2	(2'-0" Deep & 2'-8" H) Family Toilet Base Cabinet	3.0	LF	\$ -	\$ -	\$0	\$0	



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		MEETING ROOM							
132	A6.2	(2'-0" Deep & 2'-8" H) Meeting Room Plastic Laminate Base Cabinet	16.0	LF	\$ -	\$ -	\$0	\$0	
133	A6.2	(1'-0" Deep & 2'-6" H) Meeting Room Plastic Laminate Wall Mounted Cabinet	16.0	LF	\$ -	\$ -	\$0	\$0	
		WORKROOM							
134	A6.2	(1'-0" Deep & 7'-0" H) Workroom Provide Keyed Wall Mounted Looks Cabinet	9.0	LF	\$ -	\$ -	\$0	\$0	
135	A6.2	(2'-0" Deep & 2'-8" H) Workroom Plastic Laminate Base Cabinet	19.3	LF	\$ -	\$ -	\$0	\$0	
136	A6.2	(1'-0" Deep & 2'-6" H) Workroom Plastic Laminate Wall Mounted Cabinet	20.1	LF	\$ -	\$ -	\$0	\$0	
		RECEPTION DESK							
137	A6.2	(2'-6" Deep & 2'-4" H) Reception Desk Base Cabinet	6.5	LF	\$ -	\$ -	\$0	\$0	
138	A6.2	(0'-5" Deep & 3'-6" H) Reception Desk Back Sporting Wall with - 3/4" Clear Maple Plywood Veneer Stained Lining - Laminate Finish On Plywood	20.6	LF	\$ -	\$ -	\$0	\$0	
		WOMEN/ MEN							
139	A6.1	(1'-0" x 1'-0" x 6'-0") Women/ Men Double Lockers	20.0	EA	\$ -	\$ -	\$0	\$0	
		STORE							
140	A6.2	(1'-0" Wide) Storage Shelving	19.4	LF	\$ -	\$ -	\$0	\$0	
141	A6.2	(1'-4" Wide) Storage Shelving	6.1	LF	\$ -	\$ -	\$0	\$0	
		CUSTODIAL							
142	A6.2	(1'-0" Wide) Custodial Shelving	6.0	LF	\$ -	\$ -	\$0	\$0	
		EXCRCISE BARRE							
143	A6.2	1 1/2" Exercise Wood Barre with - Bar Wall Bracket at 4'-0" cts. - 1x6 Backer Board	24.7	LF	\$ -	\$ -	\$0	\$0	
		COUNTERTOP							
		RECREATION CENTER							
		KITCHEN							
144	A6.2	(2'-0" Wide) Kitchen Stainless Steel Countertop	23.1	LF	\$ -	\$ -	\$0	\$0	
		FAMILY TOILET							
145	A6.2	(2'-0" Wide) Family Toilet Countertop	3.1	LF	\$ -	\$ -	\$0	\$0	
		MEETING ROOM							
146	A6.2	(2'-0" Wide) Meeting Room Countertop	16.0	LF	\$ -	\$ -	\$0	\$0	
		WORKROOM							
147	A6.2	(2'-0" Wide) Workroom Countertop	19.3	LF	\$ -	\$ -	\$0	\$0	
		RECEPTION DESK							
148	A6.2	(2'-6" Wide) Reception Desk Countertop	15.1	LF	\$ -	\$ -	\$0	\$0	
149	A6.2	(1'-0" Wide) Reception Desk Back Wall Countertop	21.8	LF	\$ -	\$ -	\$0	\$0	
		WOMEN/ MEN							
150	A6.1	(1'-10" Wide) Women/ Men Basin 3/4" Plywood Countertop with Bracket	31.3	LF	\$ -	\$ -	\$0	\$0	
151	A6.1	(0'-4" H) Women/ Men Basin 3/4" Plywood Countertop Fascia with Plastic Laminate	31.4	LF	\$ -	\$ -	\$0	\$0	
		BACKSPLASH							
		RECREATION CENTER							
		KITCHEN							
152	A6.2	(0'-4" H) Kitchen Stainless Steel Backsplash	25.0	LF	\$ -	\$ -	\$0	\$0	
		FAMILY TOILET							
153	A6.2	(0'-4" H) Family Toilet Backsplash	5.0	LF	\$ -	\$ -	\$0	\$0	
		MEETING ROOM							
154	A6.2	(0'-4" H) Meeting Room Backsplash	16.0	LF	\$ -	\$ -	\$0	\$0	
		WORKROOM							
155	A6.2	(0'-4" H) Workroom Backsplash	21.1	LF	\$ -	\$ -	\$0	\$0	
		RECEPTION DESK							
156	A6.2	(1'-0" Wide) Reception Desk Back Wall Countertop	21.8	LF	\$ -	\$ -	\$0	\$0	
		WOMEN/ MEN							
157	A6.1	(0'-4" H) Women/ Men Basin 3/4" Plywood Backsplash with Plastic Laminate	44.0	LF	\$ -	\$ -	\$0	\$0	
		Subtotal (Wood, Plastics, and Composites)							\$0
DIVISION 07 - THERMAL & MOISTURE PROTECTION									
		EXTERNAL FINISHES							
		RECREATION CENTER							
		EIFS PANEL							
158	A2.0 & A2.1	Drainable EIFS on Adhesive/ Waterproofing Air Barrier On CMU Wall	14931.0	SF	\$ -	\$ -	\$0	\$0	
		MISC							
159	A2.0 & A2.1	1"x4" Raised Eifs Band	90.0	LF	\$ -	\$ -	\$0	\$0	
160	A2.0 & A2.1	1"x6" Eifs Cap	125.0	LF	\$ -	\$ -	\$0	\$0	
161	A2.0 & A2.1	1"x4" Eifs Casing	50.0	LF	\$ -	\$ -	\$0	\$0	
		METAL SIDING							
162	A4.0	Metal Siding Attached To Treated 2 x 4 Wood Furring	1095.0	SF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
		EIFS PANEL							
163	A2.2	Drainable EIFS on Adhesive/ Waterproofing Air Barrier On CMU Wall	1364.0	SF	\$ -	\$ -	\$0	\$0	
		ROOFING							
		RECREATION CENTER							
		ROOF COVERING							
164	A4.0	Modified Bitumen Roofing	19948.0	SF	\$ -	\$ -	\$0	\$0	
165	A4.0	1/2" Cover Board	19948.0	SF	\$ -	\$ -	\$0	\$0	
166	A4.0	Tapeered Insulation	19948.0	SF	\$ -	\$ -	\$0	\$0	
167	A4.0	Pre-Finished Standing Seam Metal Roof	2001.4	SF	\$ -	\$ -	\$0	\$0	
		GUTTER							
168	A4.0	Metal Gutter	251.0	LF	\$ -	\$ -	\$0	\$0	
		FASCIA							
169	A4.0	Fscia Board	33.0	LF	\$ -	\$ -	\$0	\$0	
		DOWNSPOUT							



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
170	A4.0	Downspout (8'-6" H)	6.0	EA	\$ -	\$ -	\$0	\$0	
171	A4.0	Downspout w/ Scupper (13'-6" H)	8.0	EA	\$ -	\$ -	\$0	\$0	
172	A4.0	Downspout w/ Scupper (15'-2" H)	2.0	EA	\$ -	\$ -	\$0	\$0	
		FLASHINGS							
173	A4.0	Parapet Wall Cap	748.0	LF	\$ -	\$ -	\$0	\$0	
174	A4.0	Pre-Finished Metal Graavel Stop	60.0	LF	\$ -	\$ -	\$0	\$0	
175	A4.0	Ridge Capping	67.0	LF	\$ -	\$ -	\$0	\$0	
		HATCH							
176	A4.0	(3'-0" x 4'-0") Roof Hatch	2.0	EA	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
		ROOF COVERING							
177	A2.2	Pre Finished Standing Seam Metal Roofing System Over Self-Adhered Membrane	365.5	SF	\$ -	\$ -	\$0	\$0	
178	A2.2	Modified Bitumen Roofing Cover 1/2" Cover Board	955.9	SF	\$ -	\$ -	\$0	\$0	
		GUTTER							
179	A2.2	6x6 Prefinished Metal Gutter	44.6	LF	\$ -	\$ -	\$0	\$0	
		FLASHING							
180	A2.2	Prefinished Metal Flashing	218.4	LF	\$ -	\$ -	\$0	\$0	
181	A2.2	Prefinished Metal Capping	115.1	LF	\$ -	\$ -	\$0	\$0	
182	A2.2	Prefinished Metal Ridge Capping	38.1	LF	\$ -	\$ -	\$0	\$0	
		FASCIA							
183	A2.2	Flash Seam Metal Fascia	85.7	LF	\$ -	\$ -	\$0	\$0	
		DOWNSPOUT							
184	A2.2	3"x4" Downspout	6.0	EA	\$ -	\$ -	\$0	\$0	
185	A2.2	OverFlow Scupper	2.0	EA	\$ -	\$ -	\$0	\$0	
186	A2.2	Emergency OverFlow Scupper	2.0	EA	\$ -	\$ -	\$0	\$0	
		Subtotal (Thermal and Moisture Protection)							\$0
DIVISION 08 - OPENING									
		RECREATION CENTER							
		STORE FRONT							
187	A6.0	(21'-0" x 11'-10") Pre-Finished Aluminium Frame Tinted Glazed Store Front & Frame System 'S1' - Automatic Door Control & Header	1.0	EA	\$ -	\$ -	\$0	\$0	
188	A6.0	(3'-0" x 9'-10") Pre-Finished Aluminium Frame Tinted Glazed Store Front & Frame System 'S2'	2.0	EA	\$ -	\$ -	\$0	\$0	
189	A6.0	(2'-6" x 9'-10") Pre-Finished Aluminium Frame Tinted Glazed Store Front & Frame System 'S3'	2.0	EA	\$ -	\$ -	\$0	\$0	
190	A6.0	(16'-0" x 10'-0") Pre-Finished Aluminium Frame Tinted Glazed Store Front & Frame System 'S4' - Automatic Door Control & Header	1.0	EA	\$ -	\$ -	\$0	\$0	
191	A6.0	(8'-0" x 8'-8") Pre-Finished Aluminium Frame Tinted Glazed Store Front & Frame System 'S5'	1.0	EA	\$ -	\$ -	\$0	\$0	
192	A6.0	(6'-0" x 8'-8") Pre-Finished Aluminium Framed Tinted Glazed Store Front & Frame System 'S6'	1.0	EA	\$ -	\$ -	\$0	\$0	
		DOOR							
		INTERNAL DOOR							
193	A6.0	(3'-0" x 6'-8") 1 3/4" WSC Door with Hollow Metal Frame	27.0	EA	\$ -	\$ -	\$0	\$0	
194	A6.0	(6'-0" x 6'-8") 1 3/4" WSC Door with Hollow Metal Frame	6.0	EA	\$ -	\$ -	\$0	\$0	
195	A6.0	(4'-0" x 4'-0") Manual Roll-Up Door	2.0	EA	\$ -	\$ -	\$0	\$0	
		EXTERNAL DOOR							
196	A6.0	(3'-0" x 7'-0") 1 3/4" FRP Door with Hollow Metal Frame	2.0	EA	\$ -	\$ -	\$0	\$0	
197	A6.0	(7'-0" x 7'-0") 1 3/4" FRP Door with Hollow Metal Frame	2.0	EA	\$ -	\$ -	\$0	\$0	
198	A6.0	(6'-0" x 7'-0") 1 3/4" FRP Door with Hollow Metal Frame	1.0	EA	\$ -	\$ -	\$0	\$0	
		DOOR HARDWARE							
199	A6.0	Panic Device	11.0	EA	\$ -	\$ -	\$0	\$0	
200	A6.0	Closer	17.0	EA	\$ -	\$ -	\$0	\$0	
201	A6.0	Vision Panel	22.0	EA	\$ -	\$ -	\$0	\$0	
202	A6.0	Transoms	5.0	EA	\$ -	\$ -	\$0	\$0	
203	A6.0	Weatherstripping	9.0	EA	\$ -	\$ -	\$0	\$0	
204	A6.0	Perim Smoke Seal	2.0	EA	\$ -	\$ -	\$0	\$0	
		WINDOWS							
205	A6.0	(6'-8" x 8'-0") Aluminium Framed Glazed Window 'A'	10.0	EA	\$ -	\$ -	\$0	\$0	
206	A6.0	(18'-8" x 9'-11 1/2") Aluminium Framed Glazed Window 'B'	1.0	EA	\$ -	\$ -	\$0	\$0	
207	A6.0	(4'-8" x 3'-3 1/2") Aluminium Framed Glazed Window 'C'	2.0	EA	\$ -	\$ -	\$0	\$0	
208	A6.0	(7'-6 1/2" x 3'-3 1/2") Aluminium Framed Glazed Window 'D'	8.0	EA	\$ -	\$ -	\$0	\$0	
209	A6.0	(8'-8" x 5'-4") Aluminium Framed Glazed Window 'E'	2.0	EA	\$ -	\$ -	\$0	\$0	
210	A6.0	(3'-8" x 4'-6") Aluminium Framed Glazed Window 'F'	2.0	EA	\$ -	\$ -	\$0	\$0	
211	A6.0	(6'-4" x 8'-3 1/2") Aluminium Framed Glazed Window 'H'	2.0	EA	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
		DOOR							
		EXTERNAL DOOR							
212	A1.6	(3'-0" x 7'-0") 1 3/4" FRP Door With Hollow Metal Frame	6.0	EA	\$ -	\$ -	\$0	\$0	
		Subtotal (Opening)							\$0
DIVISION 09 - FINISHES									
		FLOOR FINISHES							
		RECREATION CENTER							
		LOWER LEVEL							
213	A1.0	LVT Flooring	6004.2	SF	\$ -	\$ -	\$0	\$0	
214	A1.0	Poured Epoxy Flooring	1844.5	SF	\$ -	\$ -	\$0	\$0	
215	A1.0	Carpet Flooring - Direct Glue Down	594.4	SF	\$ -	\$ -	\$0	\$0	



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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
216	A1.0	Sealed Concrete Flooring	1231.7	SF	\$ -	\$ -	\$0	\$0	
217	A1.0	Resilient Tile Flooring	1057.1	SF	\$ -	\$ -	\$0	\$0	
218	A1.0	Sheet Vinyl Resilient Athletic Flooring	9038.2	SF	\$ -	\$ -	\$0	\$0	
		MEZZANINE LEVEL							
219	A1.4	Sheet Vinyl Resilient Athletic Flooring	3179.2	SF	\$ -	\$ -	\$0	\$0	
220	A1.4	Sealed Concrete Flooring	35.6	SF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
221	A1.6	Wet Area Sealed Concrete Floor Finish	372.8	SF	\$ -	\$ -	\$0	\$0	
222	A1.6	Sealed Concrete Floor Finish	531.0	SF	\$ -	\$ -	\$0	\$0	
		WALL BASE							
		RECREATION CENTER							
		LOWER LEVEL							
223	A1.0	4" Rubber Base	1411.2	LF	\$ -	\$ -	\$0	\$0	
224	A1.0	4" Poured Epoxy Base	615.1	LF	\$ -	\$ -	\$0	\$0	
225	A1.0	6"x8" Rubber Cover Base	338.6	LF	\$ -	\$ -	\$0	\$0	
		MEZZANINE LEVEL							
226	A1.4	4" Rubber Base	20.7	LF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
227	A1.6	Wet Area 4" Rubber Base Wall	142.1	LF	\$ -	\$ -	\$0	\$0	
228	A1.6	4" Rubber Base Wall	146.1	LF	\$ -	\$ -	\$0	\$0	
		CEILING FINISHES							
		RECREATION CENTER							
		LOWER LEVEL							
		GYPSON BOARD CEILING							
229	A5.0	5/8" Gypsum Board Ceiling Lining Over Lt. Ga. Metal Framing	2031.2	SF	\$ -	\$ -	\$0	\$0	
230	A5.0	5/8" Mositure Resistant Gypsum Board Ceiling Lining Over Lt. Ga. Metal Framing	1494.4	SF	\$ -	\$ -	\$0	\$0	
		ACOUSTIC CEILING TILES							
231	A5.0	24" x 24" Suspended Acoustic Ceiling Tiles 'ACT-1'	5572.4	SF	\$ -	\$ -	\$0	\$0	
232	A5.0	24" x 24" Suspended Acoustic Ceiling Tiles 'ACT-1'	1434.2	SF	\$ -	\$ -	\$0	\$0	
233	A5.0	24" x 24" Suspended Acoustic Ceiling Tiles 'ACT-2'	203.4	SF	\$ -	\$ -	\$0	\$0	
		EXTERNAL SOFFIT							
234	A5.0	1/2" Gypsum Sheathing External Soffit with Hard Coat Stucco Finish	1301.1	SF	\$ -	\$ -	\$0	\$0	
		SOFFIT							
235	A5.0	(0'-6" H) Ceiling Soffit	120.1	LF	\$ -	\$ -	\$0	\$0	
236	A5.0	(4'-5" H) Ceiling Soffit	123.6	LF	\$ -	\$ -	\$0	\$0	
		CLOUD							
237	A5.0	(1'-4" Wide) Ceiling Cloud	357.1	LF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
		GYPSON BOARD CEILING							
238	A2.2	5/8" Mositure Resistant Gypsum Board Ceiling Lining Over Lt. Ga. Metal Framing	371.5	SF	\$ -	\$ -	\$0	\$0	
239	A2.2	5/8" Gypsum Board Ceiling Lining Over Lt. Ga. Metal Framing	184.3	SF	\$ -	\$ -	\$0	\$0	
240	A2.2	1/2" Gypsum Sheathing External Soffit with Hard Coat Stucco Finish	223.9	SF	\$ -	\$ -	\$0	\$0	
		EXTERNAL SOFFIT							
241	A2.2	(2'-0" Wide) 1/2" Gypsum Sheathing External Soffit with Hard Coat Stucco Finish	81.5	LF	\$ -	\$ -	\$0	\$0	
		PAINTING							
		RECREATION CENTER							
		WALL PAINT							
		LOWER LEVEL							
242	A1.0	CMU Wall Paint Finish - Semi-Gloss Enamel Paint	32433.0	SF	\$ -	\$ -	\$0	\$0	
		MEZZANINE LEVEL							
243	A1.4	CMU Wall Paint Finish - Semi-Gloss Enamel Paint	2316.8	SF	\$ -	\$ -	\$0	\$0	
		CEILING PAINT							
		LOWER LEVEL							
244	A5.0	Paint Exposed Meezanine Ceiling Deck	2795.8	SF	\$ -	\$ -	\$0	\$0	
245	A5.0	Paint Gypsum Board Ceiling	2031.2	SF	\$ -	\$ -	\$0	\$0	
246	A5.0	Paint Moisture Resistant Gypsum Board Ceiling	1494.4	SF	\$ -	\$ -	\$0	\$0	
		MEZZANINE LEVEL							
247	A5.4	Paint Exposed Ceiling Framing	9381.6	SF	\$ -	\$ -	\$0	\$0	
		DOOR PAINT							
248	A6.0	Paint Finish To Internal Single Leaf Door w/ Frame	27.0	EA	\$ -	\$ -	\$0	\$0	
249	A6.0	Paint Finish To Internal Double Leaf Door w/ Frame	6.0	EA	\$ -	\$ -	\$0	\$0	
250	A6.0	Paint Finish To External Single Leaf Door w/ Frame	2.0	EA	\$ -	\$ -	\$0	\$0	
251	A6.0	Paint Finish To External Double Leaf Door w/ Frame	3.0	EA	\$ -	\$ -	\$0	\$0	
		SPORTS COURT PAINT							
252	A1.5	Main BB Court Striping	644.2	LF	\$ -	\$ -	\$0	\$0	
253	A1.5	Volley Ball Striping	576.9	LF	\$ -	\$ -	\$0	\$0	
254	A1.5	BB Cross Courts Striping	1095.2	LF	\$ -	\$ -	\$0	\$0	
255	A1.5	Pickel Ball Striping	899.5	LF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
		WALL PAINT							
256	A1.6	CMU Wall Paint Finish - Semi-Gloss Enamel Paint	3258.0	SF	\$ -	\$ -	\$0	\$0	
		CEILING PAINT							
		GYPSON BOARD CEILING							
257	A2.2	Paint Exposed Ceiling Deck	346.7	SF	\$ -	\$ -	\$0	\$0	
258	A2.2	5/8" Mositure Resistant Gypsum Board Ceiling Lining Over Lt. Ga. Metal Framing	371.5	SF	\$ -	\$ -	\$0	\$0	
259	A2.2	5/8" Gypsum Board Ceiling Lining Over Lt. Ga. Metal Framing	184.3	SF	\$ -	\$ -	\$0	\$0	
		EXTERNAL SOFFIT							
260	A2.2	(2'-0" Wide) Paint External Soffit	81.5	LF	\$ -	\$ -	\$0	\$0	



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261	A2.2	Paint External Soffit	223.9	SF	\$ -	\$ -	\$0	\$0	
		DOOR PAINT							
262	A1.6	Paint Finish To External Single Leaf Door w/ Frame	6.0	EA	\$ -	\$ -	\$0	\$0	
		Subtotal (Finishes)							\$0
DIVISION 10 - SPECIALITIES									
		BATHROOM ACCESSORIES							
		RECREATION CENTER							
263	A1.1 & A1.2	(2'-0" x 3'-2") Mirror 1 1/4" Plate Glass (Wall Mounted) 'MIR'	1.0	EA	\$ -	\$ -	\$0	\$0	
264	A1.1 & A1.2	(5'-2" x 3'-2") Mirror 1 1/4" Plate Glass (Wall Mounted) 'MIR'	2.0	EA	\$ -	\$ -	\$0	\$0	
265	A1.1 & A1.2	(9'-10" x 3'-2") Mirror 1 1/4" Plate Glass (Wall Mounted) 'MIR'	2.0	EA	\$ -	\$ -	\$0	\$0	
266	A1.1 & A1.2	8' Bench - "Lyons" Pre-Manuf. Locker Bench w/ Sealed Wood Top and Prefinished Metal Supports	2.0	EA	\$ -	\$ -	\$0	\$0	
267	A1.1 & A1.2	8'-8" Bench - "Lyons" Pre-Manuf. Locker Bench w/ Sealed Wood Top and Prefinished Metal Supports	1.0	EA	\$ -	\$ -	\$0	\$0	
268	A1.1 & A1.2	BCS - Baby Changing Station Color Cream Koala Kare Products Model KB 101-00 Vert	3.0	EA	\$ -	\$ -	\$0	\$0	
269	A1.1 & A1.2	CH - Coat Hook	12.0	EA	\$ -	\$ -	\$0	\$0	
270	A1.1 & A1.2	CHB - Coat Hook (Details TBC)	7.0	EA	\$ -	\$ -	\$0	\$0	
271	A1.1 & A1.2	FD - Floor Drain	8.0	EA	\$ -	\$ -	\$0	\$0	
272	A1.1 & A1.2	FND - Feminine Napkin Disposal (Partition Mounted) Model 4721-15	4.0	EA	\$ -	\$ -	\$0	\$0	
273	A1.1 & A1.2	FND1 - Feminine Napkin Disposal (Surface Mounted) Model 4722-15,	2.0	EA	\$ -	\$ -	\$0	\$0	
274	A1.1 & A1.2	GBR (TBC) - Grab Bars	4.0	EA	\$ -	\$ -	\$0	\$0	
275	A1.1 & A1.2	GBR-1 - H.D. Concealed Mounted Grab Bar Model 812-001-36	5.0	EA	\$ -	\$ -	\$0	\$0	
276	A1.1 & A1.2	GBR-18 - Grab Bars	2.0	EA	\$ -	\$ -	\$0	\$0	
277	A1.1 & A1.2	GBR-2 - H.D. Concealed Mounted Grab Bar Model 812-001-42	9.0	EA	\$ -	\$ -	\$0	\$0	
278	A1.1 & A1.2	HD - Hand Dryer	7.0	EA	\$ -	\$ -	\$0	\$0	
279	A1.1 & A1.2	PT (Details TBC)	5.0	EA	\$ -	\$ -	\$0	\$0	
280	A1.1 & A1.2	PTD - Paper Towel Dispenser (Recessed) Model 244	1.0	EA	\$ -	\$ -	\$0	\$0	
281	A1.1 & A1.2	PTTH - Toilet Tissue Holder (Partition Mounted) Model 5422	8.0	EA	\$ -	\$ -	\$0	\$0	
282	A1.1 & A1.2	SC - S.S. Curtain Rod Model 9539, Anti-Bacterial Shower Curtain Model 9537, Curtain Hooks Model 9536	33.0	LF	\$ -	\$ -	\$0	\$0	
283	A1.1 & A1.2	SD - Soap Dispenser (Lavatory Mounted) Model 6324	17.0	EA	\$ -	\$ -	\$0	\$0	
284	A1.1 & A1.2	SS - Shower Seat Model 956	2.0	EA	\$ -	\$ -	\$0	\$0	
285	A1.1 & A1.2	SS1 (Details TBC)	4.0	EA	\$ -	\$ -	\$0	\$0	
286	A1.1 & A1.2	TTH - Toilet Tissue Holder (Surface Mounted) Model 5402	2.0	EA	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
287	A1.6	(2'-0" x 3'-0") Mirror 1 1/4" Plate Glass (Wall Mounted) 'MIR'	4.0	EA	\$ -	\$ -	\$0	\$0	
288	A1.6	CH - Coat Hook	4.0	EA	\$ -	\$ -	\$0	\$0	
289	A1.6	FND1 - Feminine Napkin Disposal (Surface Mounted) Model 4722-15,	3.0	EA	\$ -	\$ -	\$0	\$0	
290	A1.6	GBR-1 - H.D. Concealed Mounted Grab Bar Model 812-001-36	2.0	EA	\$ -	\$ -	\$0	\$0	
291	A1.6	GBR-18 - Grab Bars	1.0	EA	\$ -	\$ -	\$0	\$0	
292	A1.6	GBR-2 - H.D. Concealed Mounted Grab Bar Model 812-001-42	2.0	EA	\$ -	\$ -	\$0	\$0	
293	A1.6	PTD - Paper Towel Dispenser (Recessed) Model 244	5.0	EA	\$ -	\$ -	\$0	\$0	
294	A1.6	SD - Soap Dispenser (Lavatory Mounted) Model 6324	3.0	EA	\$ -	\$ -	\$0	\$0	
295	A1.6	TTH - Toilet Tissue Holder (Surface Mounted) Model 5402	4.0	EA	\$ -	\$ -	\$0	\$0	
		SPORTS COURT MISCELLANEOUS ITEMS							
		BLEACHERS							
296	A1.3	Allowance For Retractable Bleachers For 50 Seats	3.0	EA	\$ -	\$ -	\$0	\$0	
297	A1.3	Allowance For Retractable Bleachers For 75 Seats	2.0	EA	\$ -	\$ -	\$0	\$0	
		PADS							
298	A1.3	2' X 6' Wall Pads	2.0	EA	\$ -	\$ -	\$0	\$0	
		GYM DIVIDER							
299	A1.3	Suspended Motorized Gym Divider	57.5	LF	\$ -	\$ -	\$0	\$0	
		GOAL							
300	A1.3	Forward Fold, Suspended Remote Oprated Electric Main Court Basketball Goals	2.0	EA	\$ -	\$ -	\$0	\$0	
301	A1.3	Crosscourt Portable Basketball	4.0	EA	\$ -	\$ -	\$0	\$0	
		SCOREBOARD							
302	A1.3	Scoreboard	2.0	EA	\$ -	\$ -	\$0	\$0	
		TOILET COMPARTMENT							
		RECREATION CENTER							
303	A1.2	(4'-0" H) Urinal Partition	4.1	LF	\$ -	\$ -	\$0	\$0	
304	A1.1 & A1.2	(6'-10" H) Toilet Partition	101.9	LF	\$ -	\$ -	\$0	\$0	
		CONCESSION/ RESTROOM							
305	A1.6	(6'-10" H) Toilet Partition	33.0	LF	\$ -	\$ -	\$0	\$0	
		Subtotal (Specialties)							\$0
DIVISION 11 - EQUIPMENT									
		APPLIANCES							
		CONCESSION/ RESTROOM							
306	A1.1	Ice Machine	1.0	EA	\$ -	\$ -	\$0	\$0	
307	A1.1	Refrigerator 'REF'	2.0	EA	\$ -	\$ -	\$0	\$0	
		RECREATION CENTER							
308	A1.6	Ice Machine	1.0	EA	\$ -	\$ -	\$0	\$0	
309	A1.6	Micro wave	1.0	EA	\$ -	\$ -	\$0	\$0	
310	A1.6	Refrigerator 'REF'	1.0	EA	\$ -	\$ -	\$0	\$0	
311	A1.6	Stove	1.0	EA	\$ -	\$ -	\$0	\$0	
		Subtotal (Equipment)							\$0



Dynamic Estimation Inc.

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Phone: 859-515-2045

PROJECT ID:

HC Michael Morris Graham Park Rec Center Build

SCOPE:

ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
DIVISION 14 - CONVEYING EQUIPMENT									
		<u>LIFT</u>							
312	A1.1	Allowance For Lift w/ Assembly	1.0	EA	\$ -	\$ -	\$0	\$0	
		Subtotal (Conveying Equipment)							\$0
DIVISION 22 - PLUMBING									
		<u>DRAINAGE SERVICES</u>							
		<u>PIPING</u>							
313		<u>SANITARY DRAINAGE PIPE - BELOW GRADE</u>	DWV PVC						
314	P1.1,P1.2,P1.3	B/G 2".Dia Sanitary Drainage Pipe Pipe	72.0	LF	\$ -	\$ -	\$0	\$0	
315	P1.1,P1.2,P1.3	B/G 3".Dia Sanitary Drainage Pipe Pipe	168.0	LF	\$ -	\$ -	\$0	\$0	
316	P1.1,P1.2,P1.3	B/G 4".Dia Sanitary Drainage Pipe Pipe	145.0	LF	\$ -	\$ -	\$0	\$0	
317	P1.1,P1.2,P1.3	B/G 6".Dia Sanitary Drainage Pipe Pipe	190.0	LF	\$ -	\$ -	\$0	\$0	
318		<u>SANITARY DRAINAGE PIPE - ABOVE GRADE</u>	DWV PVC						
319	P1.1,P1.2,P1.3	2".Dia Sanitary Drainage Pipe Pipe	97.0	LF	\$ -	\$ -	\$0	\$0	
320	P1.1,P1.2,P1.3	3".Dia Sanitary Drainage Pipe Pipe	8.0	LF	\$ -	\$ -	\$0	\$0	
321	P1.1,P1.2,P1.3	4".Dia Sanitary Drainage Pipe Pipe	51.0	LF	\$ -	\$ -	\$0	\$0	
322		<u>VENT PIPE</u>	DWV PVC						
323	P1.1,P1.2,P1.3	2".Dia Vent Pipe V Pipe	674.0	LF	\$ -	\$ -	\$0	\$0	
324	P1.1,P1.2,P1.3	3".Dia Vent Pipe V Pipe	63.0	LF	\$ -	\$ -	\$0	\$0	
		<u>FITTING</u>							
		<u>ELBOWS</u>							
325	P1.1,P1.2,P1.3	B/G 2".Dia Sanitary Drainage Pipe Pipe 45 Deg Elbow	13.0	EA	\$ -	\$ -	\$0	\$0	
326	P1.1,P1.2,P1.3	B/G 2".Dia Sanitary Drainage Pipe Pipe 90 Deg Elbow	1.0	EA	\$ -	\$ -	\$0	\$0	
327	P1.1,P1.2,P1.3	B/G 3".Dia Sanitary Drainage Pipe Pipe 45 Deg Elbow	27.0	EA	\$ -	\$ -	\$0	\$0	
328	P1.1,P1.2,P1.3	B/G 3".Dia Sanitary Drainage Pipe Pipe 90 Deg Elbow	2.0	EA	\$ -	\$ -	\$0	\$0	
329	P1.1,P1.2,P1.3	B/G 4".Dia Sanitary Drainage Pipe Pipe 45 Deg Elbow	26.0	EA	\$ -	\$ -	\$0	\$0	
330	P1.1,P1.2,P1.3	2".Dia Vent Pipe V Pipe 90 Deg Elbow	11.0	EA	\$ -	\$ -	\$0	\$0	
331	P1.1,P1.2,P1.3	2".Dia Vent Pipe V Pipe 45 Deg Elbow	32.0	EA	\$ -	\$ -	\$0	\$0	
332	P1.1,P1.2,P1.3	2".Dia Vent Pipe V Pipe 90 Deg Elbow	18.0	EA	\$ -	\$ -	\$0	\$0	
333	P1.1,P1.2,P1.3	3".Dia Vent Pipe V Pipe 45 Deg Elbow	6.0	EA	\$ -	\$ -	\$0	\$0	
		<u>WYES & TEES</u>							
334	P1.1,P1.2,P1.3	B/G 3".Dia Sanitary Drainage Pipe Pipe Wye	10.0	EA	\$ -	\$ -	\$0	\$0	
335	P1.1,P1.2,P1.3	B/G 4".Dia Sanitary Drainage Pipe Pipe Wye	13.0	EA	\$ -	\$ -	\$0	\$0	
336	P1.1,P1.2,P1.3	B/G 6".Dia Sanitary Drainage Pipe Pipe Wye	34.0	EA	\$ -	\$ -	\$0	\$0	
337	P1.1,P1.2,P1.3	2".Dia Vent Pipe V Pipe 45 Deg Tee	12.0	EA	\$ -	\$ -	\$0	\$0	
338	P1.1,P1.2,P1.3	2".Dia Vent Pipe V Pipe 90 Deg Tee	1.0	EA	\$ -	\$ -	\$0	\$0	
		<u>FIXTURES</u>							
339	P1.1,P1.2,P1.3	P-1 DISCRIPTION: Water Closet Floor Mtd. Flush Valve Vitreous China MODEL: American Standard "Madera" 16-1/2" High 3043.001 Elongated Bowl w/ Siphon Vortex Action TRIM & ACCESSORIES: Provide "Church" #9500-C solid plastic seat w/ integral bumpers & self-sustaining S.S. hinges, battery powered sensor flush valve – Sloan #8111-1.6 and bolt caps	7.0	EA	\$ -	\$ -	\$0	\$0	
340	P1.1,P1.2,P1.3	P-2 DISCRIPTION: Water Closet Floor Mtd. Flush Valve Vitreous China MODEL: American Standard "Madera" 15" High 2234.001 Elongated Bowl w/ Siphon Jet Action TRIM & ACCESSORIES: Provide "Church" #9500-C solid plastic seat w/ integral bumpers & self-sustaining S.S. hinges, battery powered sensor flush valve – Sloan #8111-1.6 and bolt caps	11.0	EA	\$ -	\$ -	\$0	\$0	
341	P1.1,P1.2,P1.3	P-3 DISCRIPTION: Urinal Wall Mounted MODEL: American Standard "Washbrook" 6590.001EC Flushing Rim w/ Siphon Jet Action TRIM & ACCESSORIES: Exposed battery powered sensor flush valve – Sloan #8186-1.0-YK. Provide Josam #17560-UR floor mounted carrier fitting. Bolt to floor	2.0	EA	\$ -	\$ -	\$0	\$0	
342	P1.1,P1.2,P1.3	P-4 DISCRIPTION: Urinal Wall Mounted MODEL: American Standard "Washbrook" 6590.001EC Flushing Rim w/ Siphon Jet Action TRIM & ACCESSORIES: Exposed battery powered sensor flush valve – Sloan #8186-1.0-YK. Provide Josam #17560-UR floor mounted carrier fitting. Bolt to floor	4.0	EA	\$ -	\$ -	\$0	\$0	
343	P1.1,P1.2,P1.3	P-5 DISCRIPTION: Lavatory Counter Mounted MODEL: American Standard "Aqualyn" 0476.028 20"x17" with 4" Centers TRIM & ACCESSORIES: Sloan #EBF-650 battery/turbine operated 0.5 GPM ADA sensor faucet, McGuire grid drain, flex. C.P. supplies w/wheel handle, adj., 17 GA. offset P-trap, Trubro pipe covers	1.0	EA	\$ -	\$ -	\$0	\$0	
344	P1.1,P1.2,P1.3	P-6 DISCRIPTION: Lavatory Counter Mounted MODEL: American Standard "Aqualyn" 0476.028 20"x17" with 4" Centers TRIM & ACCESSORIES: Sloan #EBF-650 battery/turbine operated 0.5 GPM ADA sensor faucet, McGuire grid drain, flex. C.P. supplies w/wheel handle, adj., 17 GA. offset P-trap, Trubro pipe covers	12.0	EA	\$ -	\$ -	\$0	\$0	
345	P1.1,P1.2,P1.3	P-7 DISCRIPTION: S.S. SINK COUNTER TOP SELF-RIMMING MODEL: ELKAY "LUSTERTONE" LR2222, 22" X 22" X 7-5/8" DEEP, 18 GA.TRIM & ACCESSORIES: CHICAGO #1100-GN8AE35-317AB GOOSENECK FAUCET, LK-35 STRAINER, PROVIDE FLEX. SUPPLIES W/ WHEEL HANDLE STOPS	2.0	EA	\$ -	\$ -	\$0	\$0	

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
346	P1.1,P1.2,P1.3	P-8 DISCRIPTION: PLASTER TRAP MODEL: ZURN #ZA-1180 TRIM & ACCESSORIES: ACID RESISTANT COATING, REMOVABLE TOP PVC SEDIMENT BUCKET	2.0	EA	\$ -	\$ -	\$0	\$0	
347	P1.1,P1.2,P1.3	P-9 DISCRIPTION: S.S. SINK 2-COMPARTMENT COUNTER TOP SELF-RIMMING MODEL: ELKAY "LUSTERTONE" LR-3321 18 GA., 33" X 21" X 7-1/2" DEEP TRIM & ACCESSORIES: DELTA 400-DST SINGLE LEVER FAUCET W/ SPRAY, LK-35 STRAINER, PROVIDE FLEX. SUPPLIES W/ WHEEL HANDLE STOPS, ADJUST. P-TRAP (\$1\text{-}1/2" \times 1\text{-}1/2"\$) & ESCUTCHEON	1.0	EA	\$ -	\$ -	\$0	\$0	
348	P1.1,P1.2,P1.3	P-10 DISCRIPTION: GAS WATER HEATER (100 GAL. CAPACITY) MODEL: AO SMITH #BTH-150A PROPANE GAS FIRED TRIM & ACCESSORIES: 150,000 BTU INPUT, 178 GPH AT 100°F RISE, ASME RATED, FACTORY MOUNTED DRAFT INDUCER AND 94% EFFICENCY, CONDENSATE NEUTRALIZER. PROVIDE ROOF CAP PER DETAIL	2.0	EA	\$ -	\$ -	\$0	\$0	
349	P1.1,P1.2,P1.3	P-11 DISCRIPTION: EXPANSION TANK MODEL: AMTROL #ST-12 EXPANSION TANK TRIM & ACCESSORIES: INSTALL PER MFR'S INSTRUCTIONS	2.0	EA	\$ -	\$ -	\$0	\$0	
350	P1.1,P1.2,P1.3	P-12 DISCRIPTION: MIXING VALVE MODEL: "SYMMONS" #7-400-T-425-W-WHA-1 TRIM & ACCESSORIES: PROVIDE THERMOMETERS, GLOBE VALVES, WHA-1 WATER HAMMER ARRESTOR, UNIONS, WALL MOUNTING BRACKET, ETC	1.0	EA	\$ -	\$ -	\$0	\$0	
351	P1.1,P1.2,P1.3	P-13 DISCRIPTION: BOTTLE FILLING STATION & BI-LEVEL WATER COOLER WALL MTD. MODEL: ELKAY #EZSL8WSVRSK, 370 WATTS @ 115 V. TRIM & ACCESSORIES: BI-LEVEL COOLER WITH COLOR/FINISH AS SELECTED BY ARCHITECT. PROVIDE 1-1/4" 17 GA. SLIP-JOINT P-TRAP W/ C.O., CP CW SUPPLY W/CUTOFF AND FLOOR MOUNTED CARRIER	2.0	EA	\$ -	\$ -	\$0	\$0	
352	P1.1,P1.2,P1.3	P-14 DISCRIPTION: MOP SINK MODEL: FIAT MSB-2424, 24" x 24" x 10" HIGH MOLDED STONE TRIM & ACCESSORIES: #830-AA SERVICE FAUCET W/ VAC. BREAKER, #832-AA HOSE AND HOSE BRACKET, #889-CC MOP HANGER, #MSG-2424 S.S. WALL GUARDS, #E-77-AA VINYL BUMPER	1.0	EA	\$ -	\$ -	\$0	\$0	
353	P1.1,P1.2,P1.3	P-15 DISCRIPTION: HOSE BIBB (INTERIOR) MODEL: WOODFORD MODEL B75 WALL FAUCET W/ VAC. BREAKER TRIM & ACCESSORIES: LOOSE KEY OPERATOR, 3/4" HOSE THREAD, CHROME FINISH	5.0	EA	\$ -	\$ -	\$0	\$0	
354	P1.1,P1.2,P1.3	3/4".Dia: P-16 DISCRIPTION: WALL HYDRANT MODEL: WOODFORD 65C AUTO DRAINING, FREEZELESS WALL HYDRANT W/ VAC. BREAKER TRIM & ACCESSORIES: LOOSE KEY OPERATOR, 3/4" HOSE THREAD, CHROME FINISH	6.0	EA	\$ -	\$ -	\$0	\$0	
355	P1.1,P1.2,P1.3	P-17 DISCRIPTION: ICEMAKER MODEL: OATEY ICE MAKER "SQUARE" OUTLET BOX TRIM & ACCESSORIES: HIGH IMPACT POLYSTYRENE HOUSING AND FRAME WITH 1/4 TURN BRASS COMPRESSION VALVE AND SHOCK ARRESTOR	1.0	EA	\$ -	\$ -	\$0	\$0	
356	P1.1,P1.2,P1.3	P-18 DISCRIPTION: ICEMAKER BOX MODEL: OATEY ICE MAKER "SQUARE" OUTLET BOX TRIM & ACCESSORIES: POLYETHYLENE HOUSING AND FRAME W/ & MODIFIED WITH 1/4 TURN 1/2" x 1/2" ANGLE BRASS VALVE AND SHOCK ARRESTOR	1.0	EA	\$ -	\$ -	\$0	\$0	
357	P1.1,P1.2,P1.3	P-19 DISCRIPTION: FLOOR DRAIN MODEL: ZURN #ZB-415-400-VP W/ 5" SQUARE "S" STRAINER TRIM & ACCESSORIES: FLOOR DRAIN WITH POLISHED BRONZE VANDAL PROOF TOP	9.0	EA	\$ -	\$ -	\$0	\$0	
358	P1.1,P1.2,P1.3	P-20 DISCRIPTION: FLOOR DRAIN MODEL: ZURN #ZB-415-400-VP W/ 5" SQUARE "S" STRAINER TRIM & ACCESSORIES: FLOOR DRAIN WITH POLISHED BRONZE VANDAL PROOF TOP	9.0	EA	\$ -	\$ -	\$0	\$0	
359	P1.1,P1.2,P1.3	P-21 DISCRIPTION: SHOWER UNIT (HANDICAPPED) MODEL: SHOWER BASIN & SURROUNDS BY G.C. TRIM & ACCESSORIES: PROVIDE WITH 2" SHOWER DRAIN WITH C.P. STRAINER, SYMMONS #9605-PLR-231-X-CHKS-B30-L PRESSURE BAL. VALVE W/INTEGRAL STOPS, HAND HELD SHR W/60" HOSE, VAC.BKR., 30" SLIDE BAR	2.0	EA	\$ -	\$ -	\$0	\$0	

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
360	P1.1,P1.2,P1.3	P-22 DISCRIPTION: SHOWER UNIT MODEL: SHOWER BASIN & SURROUNDS BY G.C. TRIM & ACCESSORIES: PROVIDE WITH 2" SHOWER DRAIN WITH C.P. STRAINER, SYMMONS #1-100-X-CHKS PRESSURE BAL. VALVE W/ INTEGRAL SCREWDRIVER STOPS, #4-231 HEAD W/ 2.5 GPM FLOW RESTRICTOR	2.0	EA	\$ -	\$ -	\$0	\$0	
361	P1.1,P1.2,P1.3	P-23 DISCRIPTION: DISPOSAL MODEL: IN-SINK-ERATOR BADGER 5 1/2 HP 120V. TRIM & ACCESSORIES: PROVIDE WITH "P-TRAP" AND WIRING WITH PLUG. P.C. SHALL MAKE ALL FINAL PLB'G. CONNECTIONS	1.0	EA	\$ -	\$ -	\$0	\$0	
362	P1.1,P1.2,P1.3	P-24 DISCRIPTION: FLOOR DRAIN MODEL: ZURN #ZB-415-400-Y W/5" SQUARE "S" STRAINER TRIM & ACCESSORIES: FLOOR DRAIN WITH SEDIMENT BUCKET & BRONZE TOP	1.0	EA	\$ -	\$ -	\$0	\$0	
363	P1.1,P1.2,P1.3	P-25 DISCRIPTION: LAVATORY WALL HUNG VITREOUS CHINA MODEL: AMERICAN STANDARD "LUCERNE" 0355.012 20.5"x18.25" W/4" CENTERS ZURN FL. MTD. CARRIER TRIM & ACCESSORIES: SLOAN #EAF-350-ISM BATTERY OPERATED 1.5 GPM SENSOR FAUCET WITH TRIM PLATE, MCGUIRE GRID DRAIN, FLEX. C.P. SUPPLIES W/WHEEL HANDLE, ADJ., 17 GA. OFFSET P-TRAP, TRUBRO PIPE COVERS	2.0	EA	\$ -	\$ -	\$0	\$0	
364	P1.1,P1.2,P1.3	P-26 DISCRIPTION: LAVATORY WALL HUNG VITREOUS CHINA MODEL: AMERICAN STANDARD "LUCERNE" 0355.012 20.5"x18.25" W/4" CENTERS ZURN FL. MTD. CARRIER TRIM & ACCESSORIES: SLOAN #EAF-350-ISM BATTERY OPERATED 1.5 GPM SENSOR FAUCET WITH TRIM PLATE, MCGUIRE GRID DRAIN, FLEX. C.P. SUPPLIES W/WHEEL HANDLE, ADJ., 17 GA. OFFSET P-TRAP, TRUBRO PIPE COVERS	3.0	EA	\$ -	\$ -	\$0	\$0	
365	P1.1,P1.2,P1.3	P-27 DISCRIPTION: MIXING VALVE MODEL: "WATTS" #LFMMV OR EQUAL TRIM & ACCESSORIES: (No additional trim listed in source)	5.0	EA	\$ -	\$ -	\$0	\$0	
366	P1.1,P1.2,P1.3	P-30 DISCRIPTION: ICE MAKER MODEL: FURNISHED BY OTHERS TRIM & ACCESSORIES: MAKE FINAL CONNECTION TO ICEMAKER BOX TO UNIT AS REQUIRED. MAKE ALL FINAL PLUMBING CONNECTIONS AS REQUIRED	1.0	EA	\$ -	\$ -	\$0	\$0	
367	P1.1,P1.2,P1.3	P-31 DISCRIPTION: ELECTRIC WATER HEATER MODEL: AO SMITH DEL-20, 20 GAL. CAPACITY, 4500W ELEMENT @ 208 V. TRIM & ACCESSORIES: DIRECT IMMERSION ELEMENTS, TEMP. CONTROL WITH OVERHEAT PROTECTION & A.S.M.E. T & P RELIEF VALVE. PROVIDE DRAIN PAN UNDER HEATER	1.0	EA	\$ -	\$ -	\$0	\$0	
368	P1.1,P1.2,P1.3	P-32 DISCRIPTION: EXPANSION TANK MODEL: AMTROL #ST-5 EXPANSION TANK TRIM & ACCESSORIES: INSTALL PER MFR'S INSTRUCTIONS	1.0	EA	\$ -	\$ -	\$0	\$0	
369	P1.1,P1.2,P1.3	P-33 DISCRIPTION: ICEMAKER BOX MODEL: OATLEY "MODA" FIRE RATED ICE MAKER OUTLET BOX TRIM & ACCESSORIES: POLYSTYRENE HOUSING AND FRAME W/ 1/4" BRASS COMPRESSION VALVE AND SHOCK ARRESTOR.	1.0	EA	\$ -	\$ -	\$0	\$0	
370	P1.1,P1.2,P1.3	P-34 DISCRIPTION: CONDENSATE BOX MODEL: SOUIX CHIEF #696 MODEL IB-8 TRIM & ACCESSORIES: POLYETHYLENE HOUSING AND FRAME W/#696-LC LOUVERED FRAME INSERT AND #696-CF SECONDARY FUNNEL	1.0	EA	\$ -	\$ -	\$0	\$0	
371	P1.1,P1.2,P1.3	CP-1 Hot Water Circulating Pump (Taco/equiv)Stainless Steel; controlled by 24H timeclock	1.0	EA	\$ -	\$ -	\$0	\$0	
372	P1.1,P1.2,P1.3	4".Dia Floor Cleanout	2.0	EA	\$ -	\$ -	\$0	\$0	
373	P1.1,P1.2,P1.3	4".Dia Yard Cleanout	2.0	EA	\$ -	\$ -	\$0	\$0	
374	P1.1,P1.2,P1.3	6".Dia Yard Cleanout	2.0	EA	\$ -	\$ -	\$0	\$0	
		RISERS							
375	P1.1,P1.2,P1.3	2".Dia Vent Pipe VTR	60.0	LF	\$ -	\$ -	\$0	\$0	
376	P1.1,P1.2,P1.3	3".Dia Vent Pipe VTR	24.0	LF	\$ -	\$ -	\$0	\$0	
		WATER SERVICES							
		PIPING							
377		COLD WATER PIPE - BELOW GRADE	COPPER TYPE K						
378	P1.1,P1.2,P1.3	2".Dia B/G Cold Water Pipe	16.0	LF	\$ -	\$ -	\$0	\$0	
379		COLD WATER PIPE - ABOVE GRADE	COPPER TYPE L	FIBERGLASS INSULATION					
380	P1.1,P1.2,P1.3	3/4".Dia Cold Water Pipe	315.0	LF	\$ -	\$ -	\$0	\$0	
381	P1.1,P1.2,P1.3	1/2".Dia Cold Water Pipe	300.0	LF	\$ -	\$ -	\$0	\$0	
382	P1.1,P1.2,P1.3	1".Dia Cold Water Pipe	66.0	LF	\$ -	\$ -	\$0	\$0	
383	P1.1,P1.2,P1.3	1-1/2".Dia Cold Water Pipe	111.0	LF	\$ -	\$ -	\$0	\$0	
384	P1.1,P1.2,P1.3	2".Dia Cold Water Pipe	250.0	LF	\$ -	\$ -	\$0	\$0	
385	P1.1,P1.2,P1.3	2-1/2".Dia Cold Water Pipe	92.0	LF	\$ -	\$ -	\$0	\$0	
386		TEMPERED WATER PIPE	COPPER TYPE L	FIBERGLASS INSULATION					
387	P1.1,P1.2,P1.3	1/2".Dia Tempered Water Pipe	240.0	LF	\$ -	\$ -	\$0	\$0	
388	P1.1,P1.2,P1.3	3/4".Dia Tempered Water Pipe	146.0	LF	\$ -	\$ -	\$0	\$0	

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
389	P1.1,P1.2,P1.3	1".Dia Tempered Water Pipe	20.0	LF	\$ -	\$ -	\$0	\$0	
390	P1.1,P1.2,P1.3	1-1/2".Dia Tempered Water Pipe	143.0	LF	\$ -	\$ -	\$0	\$0	
391	P1.1,P1.2,P1.3	2".Dia Tempered Water Pipe	89.0	LF	\$ -	\$ -	\$0	\$0	
392		TEMPERED WATER RETURN PIPE	COPPER TYPE L						
393	P1.1,P1.2,P1.3	3/4".Dia Tempered Water Return Pipe	235.0	LF	\$ -	\$ -	\$0	\$0	
394		GAS PIPE	SCH.40 BLACK STEEL						
395	P1.1,P1.2,P1.3	3/4".Dia Gas Pipe	197.0	LF	\$ -	\$ -	\$0	\$0	
396	P1.1,P1.2,P1.3	1".Dia Gas Pipe	48.0	LF	\$ -	\$ -	\$0	\$0	
397	P1.1,P1.2,P1.3	1-1/4".Dia Gas Pipe	43.0	LF	\$ -	\$ -	\$0	\$0	
398	P1.1,P1.2,P1.3	2".Dia Gas Pipe	7.0	LF	\$ -	\$ -	\$0	\$0	
		FITTING							
		BENDS							
399	P1.1,P1.2,P1.3	3/4".Dia & 90 Degree Cold Water Pipe Bend	32.0	EA	\$ -	\$ -	\$0	\$0	
400	P1.1,P1.2,P1.3	1/2".Dia & 90 Degree Cold Water Pipe Bend	32.0	EA	\$ -	\$ -	\$0	\$0	
401	P1.1,P1.2,P1.3	1".Dia & 90 Degree Cold Water Pipe Bend	12.0	EA	\$ -	\$ -	\$0	\$0	
402	P1.1,P1.2,P1.3	1-1/2".Dia & 90 Degree Cold Water Pipe Bend	11.0	EA	\$ -	\$ -	\$0	\$0	
403	P1.1,P1.2,P1.3	2".Dia & 90 Degree Cold Water Pipe Bend	10.0	EA	\$ -	\$ -	\$0	\$0	
404	P1.1,P1.2,P1.3	3/4".Dia & 90 Degree Tempered Water Pipe Bend	15.0	EA	\$ -	\$ -	\$0	\$0	
405	P1.1,P1.2,P1.3	1/2".Dia & 90 Degree Tempered Water Pipe Bend	30.0	EA	\$ -	\$ -	\$0	\$0	
406	P1.1,P1.2,P1.3	1-1/2".Dia & 90 Degree Tempered Water Pipe Bend	5.0	EA	\$ -	\$ -	\$0	\$0	
407	P1.1,P1.2,P1.3	2".Dia & 90 Degree Tempered Water Pipe Bend	8.0	EA	\$ -	\$ -	\$0	\$0	
408	P1.1,P1.2,P1.3	3/4".Dia & 90 Degree Tempered Water Return Pipe Bend	8.0	EA	\$ -	\$ -	\$0	\$0	
409	P1.1,P1.2,P1.3	1".Dia & 90 Degree Gas Pipe Bend	2.0	EA	\$ -	\$ -	\$0	\$0	
410	P1.1,P1.2,P1.3	3/4".Dia & 90 Degree Gas Pipe Bend	12.0	EA	\$ -	\$ -	\$0	\$0	
411	P1.1,P1.2,P1.3	1-1/4".Dia & 90 Degree Gas Pipe Bend	7.0	EA	\$ -	\$ -	\$0	\$0	
		TEES							
412	P1.1,P1.2,P1.3	1/2".Dia & 90 Degree Cold Water Pipe Tee	3.0	EA	\$ -	\$ -	\$0	\$0	
413	P1.1,P1.2,P1.3	3/4".Dia & 90 Degree Cold Water Pipe Tee	9.0	EA	\$ -	\$ -	\$0	\$0	
414	P1.1,P1.2,P1.3	1-1/2".Dia & 90 Degree Cold Water Pipe Tee	27.0	EA	\$ -	\$ -	\$0	\$0	
415	P1.1,P1.2,P1.3	2".Dia & 90 Degree Cold Water Pipe Tee	17.0	EA	\$ -	\$ -	\$0	\$0	
416	P1.1,P1.2,P1.3	2-1/2".Dia & 90 Degree Cold Water Pipe Tee	2.0	EA	\$ -	\$ -	\$0	\$0	
417	P1.1,P1.2,P1.3	3/4".Dia & 90 Degree Tempered Water Pipe Tee	12.0	EA	\$ -	\$ -	\$0	\$0	
418	P1.1,P1.2,P1.3	1-1/2".Dia & 90 Degree Tempered Water Pipe Tee	8.0	EA	\$ -	\$ -	\$0	\$0	
419	P1.1,P1.2,P1.3	2".Dia & 90 Degree Tempered Water Pipe Tee	2.0	EA	\$ -	\$ -	\$0	\$0	
420	P1.1,P1.2,P1.3	3/4".Dia & 90 Degree Gas Pipe Tee	1.0	EA	\$ -	\$ -	\$0	\$0	
421	P1.1,P1.2,P1.3	1".Dia & 90 Degree Gas Pipe Tee	1.0	EA	\$ -	\$ -	\$0	\$0	
422	P1.1,P1.2,P1.3	1-1/4".Dia & 90 Degree Gas Pipe Tee	1.0	EA	\$ -	\$ -	\$0	\$0	
423	P1.1,P1.2,P1.3	2".Dia & 90 Degree Gas Pipe Tee	1.0	EA	\$ -	\$ -	\$0	\$0	
		VALVES							
424	P1.1,P1.2,P1.3	1-1/4".Dia Secondary Gas Regulator	2.0	EA	\$ -	\$ -	\$0	\$0	
425	P1.1,P1.2,P1.3	3/4".Dia Secondary Gas Regulator	3.0	EA	\$ -	\$ -	\$0	\$0	
426	P1.1,P1.2,P1.3	2".Dia Secondary Gas Regulator	1.0	EA	\$ -	\$ -	\$0	\$0	
427	P1.1,P1.2,P1.3	3/4".Dia Gas Cock Valve	4.0	EA	\$ -	\$ -	\$0	\$0	
428	P1.1,P1.2,P1.3	1-1/4".Dia Gas Cock Valve	3.0	EA	\$ -	\$ -	\$0	\$0	
429	P1.1,P1.2,P1.3	3/4".Dia Ball Valve	11.0	EA	\$ -	\$ -	\$0	\$0	
430	P1.1,P1.2,P1.3	3/4".Dia Check Valve	1.0	EA	\$ -	\$ -	\$0	\$0	
431	P1.1,P1.2,P1.3	3/4".Dia Watts #288 Anti-Syphon Vaccum Relief Valve	1.0	EA	\$ -	\$ -	\$0	\$0	
432	P1.1,P1.2,P1.3	3/4".Dia Check Valve	1.0	EA	\$ -	\$ -	\$0	\$0	
433	P1.1,P1.2,P1.3	3/4".Dia DReturn Airin Valve	2.0	EA	\$ -	\$ -	\$0	\$0	
434	P1.1,P1.2,P1.3	3/4".Dia T & P Valve	2.0	EA	\$ -	\$ -	\$0	\$0	
435	P1.1,P1.2,P1.3	Air Gap Device	1.0	EA	\$ -	\$ -	\$0	\$0	
436	P1.1,P1.2,P1.3	2-1/2".Dia) WATTS #007S Backflow Preventer	1.0	EA	\$ -	\$ -	\$0	\$0	
437	P1.1,P1.2,P1.3	2-1/2".Dia Ball Valve	1.0	EA	\$ -	\$ -	\$0	\$0	
438	P1.1,P1.2,P1.3	2-1/2".Dia Watts #288 Anti-Syphon Vaccum Relief Valve	1.0	EA	\$ -	\$ -	\$0	\$0	
439	P1.1,P1.2,P1.3	2-1/2".Dia Check Valve	3.0	EA	\$ -	\$ -	\$0	\$0	
440	P1.1,P1.2,P1.3	2-1/2".Dia Ball Valve	2.0	EA	\$ -	\$ -	\$0	\$0	
441	P1.1,P1.2,P1.3	1-1/4".Dia Check Valve	3.0	EA	\$ -	\$ -	\$0	\$0	
442	P1.1,P1.2,P1.3	1-1/2".Dia Ball Valve	1.0	EA	\$ -	\$ -	\$0	\$0	
443	P1.1,P1.2,P1.3	1-1/4".Dia Ball Valve	3.0	EA	\$ -	\$ -	\$0	\$0	
444	P1.1,P1.2,P1.3	2".Dia Ball Valve	2.0	EA	\$ -	\$ -	\$0	\$0	
445	P1.1,P1.2,P1.3	1/2".Dia Ball Valve	5.0	EA	\$ -	\$ -	\$0	\$0	
446	P1.1,P1.2,P1.3	1".Dia Ball Valve	1.0	EA	\$ -	\$ -	\$0	\$0	
447	P1.1,P1.2,P1.3	Die-Electric Union	5.0	EA	\$ -	\$ -	\$0	\$0	
448	P1.1,P1.2,P1.3	P-32 DISCRPTION: EXPANSION TANK MODEL: AMTROL #ST-5 EXPANSION TANK TRIM & ACCESSORIES: INSTALL PER MFR'S INSTRUCTIONS	2.0	EA	\$ -	\$ -	\$0	\$0	
449	P1.1,P1.2,P1.3	Aquastat	1.0	EA	\$ -	\$ -	\$0	\$0	
450	P1.1,P1.2,P1.3	Thermometer	3.0	EA	\$ -	\$ -	\$0	\$0	
451	P1.1,P1.2,P1.3	Pressure Guage	1.0	EA	\$ -	\$ -	\$0	\$0	
452	P1.1,P1.2,P1.3	Air Gap Device	2.0	EA	\$ -	\$ -	\$0	\$0	
		Subtotal (Plumbing)							\$0
DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)									
		MECHANICAL							
		DUCTS							
		GALVANIZED STEEL DUCTS							
453	M1.0, M1.1, M1.2	4".Dia Supply Air Duct	11.0	LF	\$ -	\$ -	\$0	\$0	
454	M1.0, M1.1, M1.2	5".Dia Supply Air Duct	23.0	LF	\$ -	\$ -	\$0	\$0	
455	M1.0, M1.1, M1.2	6".Dia Supply Air Duct	215.0	LF	\$ -	\$ -	\$0	\$0	
456	M1.0, M1.1, M1.2	8".Dia Supply Air Duct	246.0	LF	\$ -	\$ -	\$0	\$0	
457	M1.0, M1.1, M1.2	10".Dia Supply Air Duct	97.0	LF	\$ -	\$ -	\$0	\$0	

 Dynamic Estimation Inc. Website: https://dynamicestimation.net/ Email: info@dynamicestimation.net Phone: 859-515-2045			PROJECT ID: HC Michael Morris Graham Park Rec Center Build SCOPE: ALL TRADE						
ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
458	M1.0, M1.1, P1.1	12".Dia Supply Air Duct	271.0	LF	\$ -	\$ -	\$0	\$0	
459	M1.0, M1.1, P1.1	24".Dia Supply Air Duct	151.0	LF	\$ -	\$ -	\$0	\$0	
460	M1.0, M1.1, P1.1	10"x10" Supply Air Duct	27.0	LF	\$ -	\$ -	\$0	\$0	
461	M1.0, M1.1, P1.1	12"x14" Supply Air Duct	9.0	LF	\$ -	\$ -	\$0	\$0	
462	M1.0, M1.1, P1.1	14"x12" Supply Air Duct	96.0	LF	\$ -	\$ -	\$0	\$0	
463	M1.0, M1.1, P1.1	16"x12" Supply Air Duct	97.0	LF	\$ -	\$ -	\$0	\$0	
464	M1.0, M1.1, P1.1	26"x16" Supply Air Duct	19.0	LF	\$ -	\$ -	\$0	\$0	
465	M1.0, M1.1, P1.1	26"x24" Supply Air Duct	54.0	LF	\$ -	\$ -	\$0	\$0	
466	M1.0, M1.1, P1.1	28"x64" Supply Air Duct	16.0	LF	\$ -	\$ -	\$0	\$0	
467	M1.0, M1.1, P1.1	30"x18" Supply Air Duct	34.0	LF	\$ -	\$ -	\$0	\$0	
468	M1.0, M1.1, P1.1	30"x24" Supply Air Duct	27.0	LF	\$ -	\$ -	\$0	\$0	
469	M1.0, M1.1, P1.1	36"x32" Supply Air Duct	14.0	LF	\$ -	\$ -	\$0	\$0	
470	M1.0, M1.1, P1.1	6".Dia Return Air Duct	13.0	LF	\$ -	\$ -	\$0	\$0	
471	M1.0, M1.1, P1.1	10".Dia Return Air Duct	40.0	LF	\$ -	\$ -	\$0	\$0	
472	M1.0, M1.1, P1.1	12".Dia Return Air Duct	63.0	LF	\$ -	\$ -	\$0	\$0	
473	M1.0, M1.1, P1.1	18"x20" Return Air Duct	94.0	LF	\$ -	\$ -	\$0	\$0	
474	M1.0, M1.1, P1.1	12"x14" Return Air Duct	16.0	LF	\$ -	\$ -	\$0	\$0	
475	M1.0, M1.1, P1.1	14"x14" Return Air Duct	75.0	LF	\$ -	\$ -	\$0	\$0	
476	M1.0, M1.1, P1.1	18"x16" Return Air Duct	14.0	LF	\$ -	\$ -	\$0	\$0	
477	M1.0, M1.1, P1.1	24"x12" Return Air Duct	36.0	LF	\$ -	\$ -	\$0	\$0	
478	M1.0, M1.1, P1.1	74"x20" Return Air Duct	16.0	LF	\$ -	\$ -	\$0	\$0	
479	M1.0, M1.1, P1.1	6".Dia Exhaust Air Duct	12.0	LF	\$ -	\$ -	\$0	\$0	
480	M1.0, M1.1, P1.1	8".Dia Exhaust Air Duct	28.0	LF	\$ -	\$ -	\$0	\$0	
481	M1.0, M1.1, P1.1	18"x18" Transfer Air Duct	2.0	LF	\$ -	\$ -	\$0	\$0	
482	M1.0, M1.1, P1.1	18"x16" Outside Air Duct	24.0	LF	\$ -	\$ -	\$0	\$0	
483	M1.0, M1.1, P1.1	10".Dia Kitchen Exhaust Duct	14.0	LF	\$ -	\$ -	\$0	\$0	
		FLEXIBLE DUCT							
484	M1.0, M1.1, P1.1	6".Dia Flexible Duct	20.0	LF	\$ -	\$ -	\$0	\$0	
485	M1.0, M1.1, P1.1	8".Dia Flexible Duct	27.0	LF	\$ -	\$ -	\$0	\$0	
486	M1.0, M1.1, P1.1	10".Dia Flexible Duct	17.0	LF	\$ -	\$ -	\$0	\$0	
487	M1.0, M1.1, P1.1	12".Dia Flexible Duct	43.0	LF	\$ -	\$ -	\$0	\$0	
		1-1/2" THICK FIBERGLASS INSULATION							
488	M1.0, M1.1, P1.1	4".Dia Supply Air Duct	11.0	LF	\$ -	\$ -	\$0	\$0	
489	M1.0, M1.1, P1.1	5".Dia Supply Air Duct	23.0	LF	\$ -	\$ -	\$0	\$0	
490	M1.0, M1.1, P1.1	6".Dia Supply Air Duct	215.0	LF	\$ -	\$ -	\$0	\$0	
491	M1.0, M1.1, P1.1	8".Dia Supply Air Duct	246.0	LF	\$ -	\$ -	\$0	\$0	
492	M1.0, M1.1, P1.1	10".Dia Supply Air Duct	79.0	LF	\$ -	\$ -	\$0	\$0	
493	M1.0, M1.1, P1.1	12".Dia Supply Air Duct	271.0	LF	\$ -	\$ -	\$0	\$0	
494	M1.0, M1.1, P1.1	24".Dia Supply Air Duct	151.0	LF	\$ -	\$ -	\$0	\$0	
495	M1.0, M1.1, P1.1	10"x10" Supply Air Duct	27.0	LF	\$ -	\$ -	\$0	\$0	
496	M1.0, M1.1, P1.1	12"x14" Supply Air Duct	9.0	LF	\$ -	\$ -	\$0	\$0	
497	M1.0, M1.1, P1.1	14"x12" Supply Air Duct	96.0	LF	\$ -	\$ -	\$0	\$0	
498	M1.0, M1.1, P1.1	16"x12" Supply Air Duct	83.0	LF	\$ -	\$ -	\$0	\$0	
499	M1.0, M1.1, P1.1	26"x16" Supply Air Duct	19.0	LF	\$ -	\$ -	\$0	\$0	
500	M1.0, M1.1, P1.1	26"x24" Supply Air Duct	54.0	LF	\$ -	\$ -	\$0	\$0	
501	M1.0, M1.1, P1.1	28"x64" Supply Air Duct	16.0	LF	\$ -	\$ -	\$0	\$0	
502	M1.0, M1.1, P1.1	30"x18" Supply Air Duct	34.0	LF	\$ -	\$ -	\$0	\$0	
503	M1.0, M1.1, P1.1	30"x24" Supply Air Duct	27.0	LF	\$ -	\$ -	\$0	\$0	
504	M1.0, M1.1, P1.1	36"x32" Supply Air Duct	14.0	LF	\$ -	\$ -	\$0	\$0	
505	M1.0, M1.1, P1.1	6".Dia Return Air Duct	13.0	LF	\$ -	\$ -	\$0	\$0	
506	M1.0, M1.1, P1.1	10".Dia Return Air Duct	40.0	LF	\$ -	\$ -	\$0	\$0	
507	M1.0, M1.1, P1.1	12".Dia Return Air Duct	63.0	LF	\$ -	\$ -	\$0	\$0	
508	M1.0, M1.1, P1.1	12"x12" Return Air Duct	47.0	LF	\$ -	\$ -	\$0	\$0	
509	M1.0, M1.1, P1.1	12"x14" Return Air Duct	16.0	LF	\$ -	\$ -	\$0	\$0	
510	M1.0, M1.1, P1.1	14"x14" Return Air Duct	75.0	LF	\$ -	\$ -	\$0	\$0	
511	M1.0, M1.1, P1.1	18"x16" Return Air Duct	14.0	LF	\$ -	\$ -	\$0	\$0	
512	M1.0, M1.1, P1.1	24"x12" Return Air Duct	36.0	LF	\$ -	\$ -	\$0	\$0	
513	M1.0, M1.1, P1.1	24"x24" Return Air Duct	47.0	LF	\$ -	\$ -	\$0	\$0	
514	M1.0, M1.1, P1.1	74"x20" Return Air Duct	16.0	LF	\$ -	\$ -	\$0	\$0	
515	M1.0, M1.1, P1.1	6".Dia Exhaust Air Duct	12.0	LF	\$ -	\$ -	\$0	\$0	
516	M1.0, M1.1, P1.1	8".Dia Exhaust Air Duct	28.0	LF	\$ -	\$ -	\$0	\$0	
517	M1.0, M1.1, P1.1	18"x18" Transfer Air Duct	2.0	LF	\$ -	\$ -	\$0	\$0	
518	M1.0, M1.1, P1.1	18"x16" Outside Air Duct	24.0	LF	\$ -	\$ -	\$0	\$0	
519	M1.0, M1.1, P1.1	10".Dia Kitchen Exhaust Duct	14.0	LF	\$ -	\$ -	\$0	\$0	
		FITTINGS							
		BENDS							
520	M1.0, M1.1, P1.1	10".Dia & 90 Degree Return Air Duct Bend	1.0	EA	\$ -	\$ -	\$0	\$0	
521	M1.0, M1.1, P1.1	10".Dia & 90 Degree Supply Air Duct Bend	1.0	EA	\$ -	\$ -	\$0	\$0	
522	M1.0, M1.1, P1.1	12".Dia & 45 Degree Supply Air Duct Bend	7.0	EA	\$ -	\$ -	\$0	\$0	
523	M1.0, M1.1, P1.1	12".Dia & 90 Degree Supply Air Duct Bend	10.0	EA	\$ -	\$ -	\$0	\$0	
524	M1.0, M1.1, P1.1	18"x16" & 45 Degree Outside Air Duct Bend	2.0	EA	\$ -	\$ -	\$0	\$0	
525	M1.0, M1.1, P1.1	18"x16" & 90 Degree Outside Air Duct Bend	1.0	EA	\$ -	\$ -	\$0	\$0	
526	M1.0, M1.1, P1.1	18"x20" & 90 Degree Return Air Duct Bend	5.0	EA	\$ -	\$ -	\$0	\$0	
527	M1.0, M1.1, P1.1	24"x12" & 90 Degree Return Air Duct Bend	3.0	EA	\$ -	\$ -	\$0	\$0	
528	M1.0, M1.1, P1.1	30"x24" & 90 Degree Supply Air Duct Bend	1.0	EA	\$ -	\$ -	\$0	\$0	
529	M1.0, M1.1, P1.1	6".Dia & 45 Degree Supply Air Duct Bend	8.0	EA	\$ -	\$ -	\$0	\$0	
530	M1.0, M1.1, P1.1	6".Dia & 90 Degree Supply Air Duct Bend	13.0	EA	\$ -	\$ -	\$0	\$0	
531	M1.0, M1.1, P1.1	74"x20" & 90 Degree Return Air Duct Bend	1.0	EA	\$ -	\$ -	\$0	\$0	
532	M1.0, M1.1, P1.1	8".Dia & 45 Degree Supply Air Duct Bend	3.0	EA	\$ -	\$ -	\$0	\$0	
533	M1.0, M1.1, P1.1	8".Dia & 90 Degree Supply Air Duct Bend	15.0	EA	\$ -	\$ -	\$0	\$0	
		TEES							

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
534	M1.0, M1.1, N	30"x24" & 90 Degree Supply Air Duct Tee	1.0	EA	\$ -	\$ -	\$0	\$0	
		TRANSITIONS							
535	M1.0, M1.1, N	10"x10" To 8".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
536	M1.0, M1.1, N	12"x14" To 10".Dia Return Air Duct Air Transition	2.0	EA	\$ -	\$ -	\$0	\$0	
537	M1.0, M1.1, N	12"x14" To 12".Dia Return Air Duct Air Transition	2.0	EA	\$ -	\$ -	\$0	\$0	
538	M1.0, M1.1, N	12"x14" To 6".Dia Supply Air Duct Air Transition	2.0	EA	\$ -	\$ -	\$0	\$0	
539	M1.0, M1.1, N	14"x12" To 6".Dia Supply Air Duct Air Transition	3.0	EA	\$ -	\$ -	\$0	\$0	
540	M1.0, M1.1, N	14"x12" To 8".Dia Supply Air Duct Air Transition	4.0	EA	\$ -	\$ -	\$0	\$0	
541	M1.0, M1.1, N	14"x14" To 10".Dia Return Air Duct Air Transition	2.0	EA	\$ -	\$ -	\$0	\$0	
542	M1.0, M1.1, N	14"x14" To 12".Dia Return Air Duct Air Transition	2.0	EA	\$ -	\$ -	\$0	\$0	
543	M1.0, M1.1, N	14"x14" To 6".Dia Return Air Duct Air Transition	2.0	EA	\$ -	\$ -	\$0	\$0	
544	M1.0, M1.1, N	16"x12" To 10".Dia Supply Air Duct Air Transition	16.0	EA	\$ -	\$ -	\$0	\$0	
545	M1.0, M1.1, N	16"x12" To 12".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
546	M1.0, M1.1, N	16"x12" To 8".Dia Supply Air Duct Air Transition	9.0	EA	\$ -	\$ -	\$0	\$0	
547	M1.0, M1.1, N	24"x26" To 10".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
548	M1.0, M1.1, N	24"x26" To 12".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
549	M1.0, M1.1, N	24"x26" To 5".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
550	M1.0, M1.1, N	24"x26" To 6".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
551	M1.0, M1.1, N	26"x16" To 10".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
552	M1.0, M1.1, N	26"x16" To 12".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
553	M1.0, M1.1, N	30"x18" To 10".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
554	M1.0, M1.1, N	30"x18" To 12".Dia Supply Air Duct Air Transition	4.0	EA	\$ -	\$ -	\$0	\$0	
555	M1.0, M1.1, N	30"x18" To 4".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
556	M1.0, M1.1, N	30"x18" To 6".Dia Supply Air Duct Air Transition	1.0	EA	\$ -	\$ -	\$0	\$0	
		PIPING							
557	M1.0, M1.1, N	CONDENSATE DRAIN PIPE	TYPE 'L' COPPER						
558	M1.0, M1.1, N	3/4".Dia Condensate Drain Pipe	187.0	LF	\$ -	\$ -	\$0	\$0	
		1/2" ARMAFLEX INSULATION							
559	M1.0, M1.1, N	3/4".Dia Condensate Drain Pipe	187.0	LF	\$ -	\$ -	\$0	\$0	
		FITTINGS							
		BENDS							
560	M1.0, M1.1, N	3/4" & 90 Degree Dia CD Pipe Bend	4.0	EA	\$ -	\$ -	\$0	\$0	
561	M1.0, M1.1, N	3/4" & 45 Degree Dia CD Pipe Bend	6.0	EA	\$ -	\$ -	\$0	\$0	
		TEES							
562	M1.0, M1.1, N	24".Dia & 90 Degree Supply Air Duct Tee	2.0	EA	\$ -	\$ -	\$0	\$0	
		AIR DEVICES							
563	M1.0, M1.1, N	G1: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x6" Face Size, 6".Dia Neck Size, 25CFM	2.0	EA	\$ -	\$ -	\$0	\$0	
564	M1.0, M1.1, N	G1: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x6" Face Size, 6".Dia Neck Size, 50CFM	4.0	EA	\$ -	\$ -	\$0	\$0	
565	M1.0, M1.1, N	G2: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x6" Face Size, 6".Dia Neck Size, 100CFM	1.0	EA	\$ -	\$ -	\$0	\$0	
566	M1.0, M1.1, N	G3: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x6" Face Size, 10".Dia Neck Size, 250CFM	1.0	EA	\$ -	\$ -	\$0	\$0	
567	M1.0, M1.1, N	G3: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x6" Face Size, 8".Dia Neck Size, 175CFM	2.0	EA	\$ -	\$ -	\$0	\$0	
568	M1.0, M1.1, N	G3: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x6" Face Size, 8".Dia Neck Size, 200CFM	1.0	EA	\$ -	\$ -	\$0	\$0	
569	M1.0, M1.1, N	G3: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x6" Face Size, 8".Dia Neck Size, 200CFM	1.0	EA	\$ -	\$ -	\$0	\$0	
570	M1.0, M1.1, N	G3: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x6" Face Size, 8".Dia Neck Size, 225CFM	8.0	EA	\$ -	\$ -	\$0	\$0	
571	M1.0, M1.1, N	G5: Supply Air Grille, MFR: TITUS Model: 272FL/FS, 12"x12" Face Size, 6".Dia Neck Size, 400CFM	2.0	EA	\$ -	\$ -	\$0	\$0	
572	M1.0, M1.1, N	CD1: Supply Air Diffuser, MFR: TITUS, Model: TMSA-AA, 24"x24" Face Size, 6".Dia Neck Size, 100CFM	1.0	EA	\$ -	\$ -	\$0	\$0	
573	M1.0, M1.1, N	CD2: Supply Air Diffuser, MFR: TITUS, Model: TMSA-AA, 24"x24" Face Size, 8".Dia Neck Size, 125CFM	2.0	EA	\$ -	\$ -	\$0	\$0	
574	M1.0, M1.1, N	CD2: Supply Air Diffuser, MFR: TITUS, Model: TMSA-AA, 24"x24" Face Size, 8".Dia Neck Size, 175CFM	4.0	EA	\$ -	\$ -	\$0	\$0	
575	M1.0, M1.1, N	CD3: Supply Air Diffuser, MFR: TITUS, Model: TMSA-AA, 24"x24" Face Size, 10".Dia Neck Size, 270CFM	5.0	EA	\$ -	\$ -	\$0	\$0	
576	M1.0, M1.1, N	CD4: Supply Air Diffuser, MFR: TITUS, Model: TMSA-AA, 24"x24" Face Size, 12".Dia Neck Size, 350CFM	16.0	EA	\$ -	\$ -	\$0	\$0	
577	M1.0, M1.1, N	R1: Return Air Grille, MFR: TITUS, Model: 50F, 10"x10" Face Size, 6".Dia Neck Size, 220CFM	2.0	EA	\$ -	\$ -	\$0	\$0	
578	M1.0, M1.1, N	R1: Return Air Grille, MFR: TITUS, Model: 50F, 10"x10" Face Size, 10".Dia Neck Size, 75CFM	2.0	EA	\$ -	\$ -	\$0	\$0	
579	M1.0, M1.1, N	R2: Return Air Grille, MFR: TITUS, Model: 50F, 16"x16" Face Size, 12".Dia Neck Size, 525CFM	2.0	EA	\$ -	\$ -	\$0	\$0	
580	M1.0, M1.1, N	R3: Return Air Grille, MFR: TITUS, Model: 50F, 24"x12" Face Size, 10".Dia Neck Size	2.0	EA	\$ -	\$ -	\$0	\$0	
581	M1.0, M1.1, N	R3: Return Air Grille, MFR: TITUS, Model: 50F, 24"x12" Face Size, 12".Dia Neck Size	4.0	EA	\$ -	\$ -	\$0	\$0	
582	M1.0, M1.1, N	R3: Return Air Grille, MFR: TITUS, Model: 50F, 24"x12" Face Size, 12"x14" Neck Size	3.0	EA	\$ -	\$ -	\$0	\$0	
583	M1.0, M1.1, N	R3: Return Air Grille, MFR: TITUS, Model: 50F, 24"x12" Face Size, 24"x12" Neck Size	3.0	EA	\$ -	\$ -	\$0	\$0	
584	M1.0, M1.1, N	R5: Return Air Grille, MFR: TITUS, Model: 50F, 24"x12" Face Size, 12"x12" Neck Size	7.0	EA	\$ -	\$ -	\$0	\$0	

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
585	M1.0, M1.1, M	R7: Return Air Grille, MFR: TITUS, Model: 33RL, 24"x12" Face Size, 48"x30" Neck Size	4.0	EA	\$ -	\$ -	\$0	\$0	
586	M1.0, M1.1, M	R8: Return Air Grille, MFR: TITUS, Model: 50FF, 24"x12" Face Size, 24"x24" Face Size	1.0	EA	\$ -	\$ -	\$0	\$0	
587	M1.0, M1.1, M	R6: 18"x18" Transfer Air Grille, MFR: TITUS, Model: 33RL	4.0	EA	\$ -	\$ -	\$0	\$0	
588	M1.0, M1.1, M	16"x16" Aluminum Louver Pottorff, Model: ECD635 With Aluminum Birdscreen And Actuated Control Damper CD42	1.0	EA	\$ -	\$ -	\$0	\$0	
589	M1.0, M1.1, M	18"x18" Door Louver	1.0	EA	\$ -	\$ -	\$0	\$0	
590	M1.0, M1.1, M	24"X16" Door Louver	2.0	EA	\$ -	\$ -	\$0	\$0	
		EXHAUST FANS							
591	M1.0, M1.1, M	EF-1: Exhaust Fan, CFM, MFR: TWIN CITY, Model: T150 Accessories: Backdraft Damper, Disconnect Switch, Deluxe Grill, Fan Speed Controller, Hanging Isolator Kit, Aluminum Wall Roof Cap With Backdraft Damper	1.0	EA	\$ -	\$ -	\$0	\$0	
592	M1.0, M1.1, M	EF-2: Exhaust Fan Wall Mounted, 500CFM, MFR: TWIN CITY, Model: VCU-110 Accessories: Backdraft Damper, Disconnect Switch, Fan Speed Controller, Birdscreen, ECM Motor With Speed Control On Motor	1.0	EA	\$ -	\$ -	\$0	\$0	
593	M1.0, M1.1, M	EF-3: Exhaust Fan Wall Mounted, 500CFM, MFR: TWIN CITY, Model: VCU-110 Accessories: Backdraft Damper, Disconnect Switch, Fan Speed Controller, Birdscreen, ECM Motor With Speed Control On Motor	1.0	EA	\$ -	\$ -	\$0	\$0	
594	M1.0, M1.1, M	EF-C1: Exhaust Fan, MFR: TWIN CITY, Model: T300, 300CFM	1.0	EA	\$ -	\$ -	\$0	\$0	
595	M1.0, M1.1, M	EF-C2: Exhaust Fan, MFR: TWIN CITY, Model: T300, 300CFM	1.0	EA	\$ -	\$ -	\$0	\$0	
596	M1.0, M1.1, M	EF-C3: Exhaust Fan, MFR: TWIN CITY, Model: T100, 75CFM	1.0	EA	\$ -	\$ -	\$0	\$0	
		VARIABLE AIR VOLUME UNIT							
597	M1.0, M1.1, M	TB-101: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 1350CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
598	M1.0, M1.1, M	TB-102: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 850CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
599	M1.0, M1.1, M	TB-103: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 1400CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
600	M1.0, M1.1, M	TB-104: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 1400CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
601	M1.0, M1.1, M	TB-105: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 175CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
602	M1.0, M1.1, M	TB-106: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 1275CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
603	M1.0, M1.1, M	TB-107: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 900CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
604	M1.0, M1.1, M	TB-108: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 175CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
605	M1.0, M1.1, M	TB-109: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 225CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
606	M1.0, M1.1, M	TB-110: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 1400CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
607	M1.0, M1.1, M	TB-111: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 1400CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	

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			SCOPE:		ALL TRADE				
ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
608	M1.0, M1.1, M	TB-112: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 850CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
609	M1.0, M1.1, M	TB-113: Variable Air Volume Single Duct Terminal Unit, MFR: TRANE, Model: VCEF, 200CFM Accessories: Factory Mounted Door Interlocking Disconnect Switch, Terminal Boxes, Bacnet Control, Factory Mounted Transformer, 2 Stage Heat, Integral Sound Attenuator	1.0	EA	\$ -	\$ -	\$0	\$0	
		ROOF TOP UNIT							
610	M1.0, M1.1, M	RTU-1: Roof Top Unit, MFR: TRANE, Model: YSK240, Supply Fan: 8000CFM, 15000.A CFM, Cooling Capacity: 249MBH, Heating Capacity: 250MBH	1.0	EA	\$ -	\$ -	\$0	\$0	
611	M1.0, M1.1, M	RTU-2: Roof Top Unit, MFR: TRANE, Model: YSK240, Supply Fan: 8000CFM, 15000.A CFM, Cooling Capacity: 249MBH, Heating Capacity: 250MBH	1.0	EA	\$ -	\$ -	\$0	\$0	
612	M1.0, M1.1, M	RTU-3: Roof Top Unit, MFR: TRANE, Model: YCD360DEL, Supply Fan: 13075CFM, 20000.A CFM, Cooling Capacity: 345MBH, Heating Capacity: 350MBH	1.0	EA	\$ -	\$ -	\$0	\$0	
		AIR HANDLER							
613	M1.0, M1.1, M	AH-C1: Air Handler, 800CFM, 1/3Fan HP, MFR: TRANE, Model: STEM4B02AC21 Accessories: Auto Changeover Digital Temp, Disconnect Switch, Integral Filter Frame, Single Point Connection, Variable Speed Motor	1.0	EA	\$ -	\$ -	\$0	\$0	
		ELECTRIC UNIT HEATER							
614	M1.0, M1.1, M	EUH-1: Electric Unit Heater, 1.5Kw Output, MFR: REZNOR, Model: EHA Accessories: Disconnect Switch, Kit/Sleeve, Heavy Duty Aluminum Grill, Internal Tamper-Proof Thermostat	1.0	EA	\$ -	\$ -	\$0	\$0	
615	M1.0, M1.1, M	EUH-C1: Unit Heater, 1.5Kw Output, 120V/1P, MFR: REZNOR, Model: EHA	1.0	EA	\$ -	\$ -	\$0	\$0	
616	M1.0, M1.1, M	EUH-C2: Unit Heater, 1.5Kw Output, 120V/1P, MFR: REZNOR, Model: EHA	1.0	EA	\$ -	\$ -	\$0	\$0	
617	M1.0, M1.1, M	EUH-C3: Unit Heater, 1.5Kw Output, 120V/1P, MFR: REZNOR, Model: EHA	1.0	EA	\$ -	\$ -	\$0	\$0	
		ENERGY RECOVERY VENTILATOR							
618	M1.0, M1.1, M	ERV-1: Energy Recovery Ventilator, MFR: SEMCO, Model: FVTE-2000, Supply CFM:2000, 1502RPM	1.0	EA	\$ -	\$ -	\$0	\$0	
		HEAT PUMP							
619	M1.0, M1.1, M	HP-C1: Heat Pump, 2.0 Tons, MFR: TRANE Model: TWR4024 Accessories:Crankcase Heater, Hard Start Device, Liquid Line Soleond, Disconnect Switch, Low Ambient Control To 30F, Anti-Short Cycle Timer, Hail/Vabdal Guard	1.0	EA	\$ -	\$ -	\$0	\$0	
		HOOD							
620	M1.0, M1.1, M	Kitchen Hood: MFR: DENLAR, Model: D1036-D-RF With Test Tank	1.0	EA	\$ -	\$ -	\$0	\$0	
		DAMPERS							
621	M1.0, M1.1, M	10".Dia Volume Damper	8.0	EA	\$ -	\$ -	\$0	\$0	
622	M1.0, M1.1, M	12".Dia Volume Damper	19.0	EA	\$ -	\$ -	\$0	\$0	
623	M1.0, M1.1, M	28"x64" Actuated Damper	2.0	EA	\$ -	\$ -	\$0	\$0	
624	M1.0, M1.1, M	6".Dia Backdraft Damper	1.0	EA	\$ -	\$ -	\$0	\$0	
625	M1.0, M1.1, M	6".Dia Volume Damper	12.0	EA	\$ -	\$ -	\$0	\$0	
626	M1.0, M1.1, M	8".Dia Backdraft Damper	3.0	EA	\$ -	\$ -	\$0	\$0	
627	M1.0, M1.1, M	8".Dia Volume Damper	16.0	EA	\$ -	\$ -	\$0	\$0	
		MISCELLANEOUS							
628	M1.0, M1.1, M	Humidity Sensor	2.0	EA	\$ -	\$ -	\$0	\$0	
629	M1.0, M1.1, M	Thermostate	20.0	EA	\$ -	\$ -	\$0	\$0	
630	M1.0, M1.1, M	Duct Mounted Smoke Detector	3.0	EA	\$ -	\$ -	\$0	\$0	
631	M1.0, M1.1, M	Temperature Sensor	2.0	EA	\$ -	\$ -	\$0	\$0	
632	M1.0, M1.1, M	Building Automation System Control Panel	1.0	EA	\$ -	\$ -	\$0	\$0	
633	M1.0, M1.1, M	10"x10" Duct End Cap	4.0	EA	\$ -	\$ -	\$0	\$0	
634	M1.0, M1.1, M	12"x14" Duct End Cap	1.0	EA	\$ -	\$ -	\$0	\$0	
635	M1.0, M1.1, M	12"x14" Duct End Cap	1.0	EA	\$ -	\$ -	\$0	\$0	
636	M1.0, M1.1, M	14"x12" Duct End Cap	4.0	EA	\$ -	\$ -	\$0	\$0	
637	M1.0, M1.1, M	16"x12" Duct End Cap	5.0	EA	\$ -	\$ -	\$0	\$0	
638	M1.0, M1.1, M	6".Dia Aluminum Wall Cap With Birdscreen	1.0	EA	\$ -	\$ -	\$0	\$0	
639	M1.0, M1.1, M	8".Dia Aluminum Wall Cap With Birdscreen	3.0	EA	\$ -	\$ -	\$0	\$0	
		Subtotal (HVAC)							\$0
DIVISION 26- ELECTRICAL									
		LIGHTING PLAN							
640	ES 1.0-E2.0	(2X4) Adjustable Centerbasket Troffer Light Type A As; -Model # VST24-4L/5L/6L-U-CCTS	48	EA	\$ -	\$ -	\$0	\$0	
641	ES 1.0-E2.0	(2X4) Adjustable Centerbasket Troffer Light Type AE W/ Emergency Backup As; -Model # VST24-4L/5L/6L-U-CCTS	8	EA	\$ -	\$ -	\$0	\$0	
642	ES 1.0-E2.0	(2X2) Adjustable Centerbasket Troffer Light Type B As; -Model # VST22-2L/3L/4L-U-CCTS	18	EA	\$ -	\$ -	\$0	\$0	
643	ES 1.0-E2.0	(2X2) Adjustable Centerbasket Troffer Light Type BE W/ Emergency Backup As; -Model # VST22-2L/3L/4L-U-CCTS	3	EA	\$ -	\$ -	\$0	\$0	
644	ES 1.0-E2.0	(6") Recessed Adjustable Downlight Type C As; -Model # CH6LS1928 UE-D10/CR6L22WW-TS354	49	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	(6") Recessed Adjustable Downlight Type Ce W/ Emergency Backup As; -Model # CH6LS1928 UE-D10/CR6L22WW-TS354	2	EA	\$ -	\$ -	\$0	\$0	
645	ES 1.0-E2.0	(2") Recessed Micro Downlight Type C1 As; -Model # LRLD1521W-B40-T40-18V	8	EA	\$ -	\$ -	\$0	\$0	

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
646	ES 1.0-E2.0	(4') Strip Light Adjustable Type D As; -Model # #SS4-3L/4L/5L-U-CCTS-FRL	35	EA	\$ -	\$ -	\$0	\$0	
647	ES 1.0-E2.0	(8') Strip Light Adjustable Type D1 As; -Model #SS8-7L/8L/9L-U-40-FRL	2	EA	\$ -	\$ -	\$0	\$0	
648	ES 1.0-E2.0	(2') Strip Light Adjustable Type D2 As; -Model #SS2-2L/3L/4L-U-CCTS-FRL	4	EA	\$ -	\$ -	\$0	\$0	
649	ES 1.0-E2.0	(4') Strip Light Adjustable Type D W/ Emergency Backup As; -Model # #SS4-3L/4L/5L-U-CCTS-FRL	9		\$ -	\$ -	\$0	\$0	
650	ES 1.0-E2.0	Emergency Light EM As; -Model # EM1-LEDOR Equal -Model # CU2	39	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	Emergency Light EMR As; -Model # XCS2RW-RC	9	EA	\$ -	\$ -	\$0	\$0	
651	ES 1.0-E2.0	(1'x4') Surface & Wall Mount Light Type F As; -Model# FPS1-EN014X40F-QT-MCT	15	EA	\$ -	\$ -	\$0	\$0	
652	ES 1.0-E2.0	(1'x4') Surface & Wall Mount Light Type F1 As; -Model# CVL4-4L-U-40-FRAL-WHP	22	EA	\$ -	\$ -	\$0	\$0	
653	ES 1.0-E2.0	(28" Dia x 24" High) Decorative Round Pendant W/ Downlight G As; -ARF-100L 8F 28B AR-CNF ACM SCDL UNV WPC WCF 40K 90CRI 1600LM S010V10 1200DL WDBA	10	EA	\$ -	\$ -	\$0	\$0	
654	ES 1.0-E2.0	Low Profile Light Type H As; -Model # HTG-1 RD SM Continuous DHL MEOGC 40K VU D WP Or Equal	1	EA	\$ -	\$ -	\$0	\$0	
655	ES 1.0-E2.0	Small Wall Pack 15W/20W/24W/30W Light Type OA W/ PhotoCell As; -ILP: SWP2-2L/3L//4L/5L-U-CCTS-BRZ Or Equal	4	EA	\$ -	\$ -	\$0	\$0	
656	ES 1.0-E2.0	(6") Recess Adjustable Downlight Light Type OC As; -Model # CH6LS1928 UE-D10/CR6L22WW- TS 354 Or Equal	24	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	Wall Sconce Cylinder Light Type OD As; -Model # UC3UD-07L/09L/12L-U-CTS-W-W-WM-BRZ Or Equal	1	EA	\$ -	\$ -	\$0	\$0	
657	ES 1.0-E2.0	(2') Undercounter Light Type U As; -EELP VersaLED: VLUC4-B-24L-120V-5CT Or Equal	11	EA	\$ -	\$ -	\$0	\$0	
658	ES 1.0-E2.0	(24") LED Vanity/Wall Fixture , 25W, 1833 Lumen Light Type V As; -Model # VS39-AF-25L-QT-MCT-SN	1	EA	\$ -	\$ -	\$0	\$0	
659	ES 1.0-E2.0	Combination Exit/ Emergency Light W/ Remote Light Type XEM As; -Model# XCS2RW-RC & RH2WP-LED-MV-P	25	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	POWER PLAN			\$ -	\$ -	\$0	\$0	
660	ES 1.0-E2.0	3-Way Switch	6	EA	\$ -	\$ -	\$0	\$0	
661	ES 1.0-E2.0	Low Voltage Mounting Bracket	7	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	Occuancy Sensor	20	EA	\$ -	\$ -	\$0	\$0	
662	ES 1.0-E2.0	Photo Cell	2	EA	\$ -	\$ -	\$0	\$0	
663	ES 1.0-E2.0	Single Pole Switches	8	EA	\$ -	\$ -	\$0	\$0	
664	ES 1.0-E2.0	Single Pole Switch W/ Thermal Sensor	4	EA	\$ -	\$ -	\$0	\$0	
665	ES 1.0-E2.0	Dimmer Switch	8	EA	\$ -	\$ -	\$0	\$0	
666	ES 1.0-E2.0	Single Pole Switch (Vs)	14	EA	\$ -	\$ -	\$0	\$0	
667	ES 1.0-E2.0	Single Pole Switch (Vsd)	3	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	Single Pole Switch W/ Thermal Sensor			\$ -	\$ -	\$0	\$0	
668	ES 1.0-E2.0	Duplex Receptacle	127	EA	\$ -	\$ -	\$0	\$0	
669	ES 1.0-E2.0	Data Outlet	38	EA	\$ -	\$ -	\$0	\$0	
670	ES 1.0-E2.0	Disconnect Switch	21	EA	\$ -	\$ -	\$0	\$0	
671	ES 1.0-E2.0	GFI Duplex Receptacle	17	EA	\$ -	\$ -	\$0	\$0	
672	ES 1.0-E2.0	Junction Box	40	EA	\$ -	\$ -	\$0	\$0	
673	ES 1.0-E2.0	208v - 3ph Power Motorized Bleacher	8	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	Two Compartment Multiservice Box : One Gang For Duplex Receptacle And One Gang For Data	2	EA	\$ -	\$ -	\$0	\$0	
674	ES 1.0-E2.0	Six Compartment MultiService Box: Four Gangs For A Duplex Is Spare	2	EA	\$ -	\$ -	\$0	\$0	
675	ES 1.0-E2.0	Floor Box W/ Pull String	1	EA	\$ -	\$ -	\$0	\$0	
676	ES 1.0-E2.0	Duplex Receptacle W/Quardplex Plate	11	EA	\$ -	\$ -	\$0	\$0	
677	ES 1.0-E2.0	GFI Duplex Waterproof	7	EA	\$ -	\$ -	\$0	\$0	
678	ES 1.0-E2.0	Shunt Trip	1	EA	\$ -	\$ -	\$0	\$0	
679	ES 1.0-E2.0	Hand Dryer W/ Junction Box	7	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	TELECOM			\$ -	\$ -	\$0	\$0	
680	ES 1.0-E2.0	Speaker Outlet	5	EA	\$ -	\$ -	\$0	\$0	
681	ES 1.0-E2.0	Fire Alarm Monitor Module (Tamper Switch)	1	EA	\$ -	\$ -	\$0	\$0	
682	ES 1.0-E2.0	Flow Switch	1	EA	\$ -	\$ -	\$0	\$0	
683	ES 1.0-E2.0	Fire Alarm Annuciator Panel	1	EA	\$ -	\$ -	\$0	\$0	
684	ES 1.0-E2.0	Fire Alarm Control Panel	1	EA	\$ -	\$ -	\$0	\$0	
685	ES 1.0-E2.0	Speaker	54	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	Fire Alarm Combination Speaker/ Strobe	26	EA	\$ -	\$ -	\$0	\$0	
686	ES 1.0-E2.0	Fire Alarm Heat Dectector	1	EA	\$ -	\$ -	\$0	\$0	
687	ES 1.0-E2.0	Fire Alarm Manual Pull Station	4	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	SITE PLAN			\$ -	\$ -	\$0	\$0	
688	ES 1.0-E2.0	Luminaire Type TLC-LED-550	6	EA	\$ -	\$ -	\$0	\$0	
689	ES 1.0-E2.0	Luminaire Type TLC-LED-1200	12	EA	\$ -	\$ -	\$0	\$0	
690	ES 1.0-E2.0	Luminaire Type TLC-LED-1500	12	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	Utility Transformer	1	EA	\$ -	\$ -	\$0	\$0	
691	ES 1.0-E2.0	Meter	1	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	PANELS			\$ -	\$ -	\$0	\$0	
692	ES 1.0-E2.0	1000A 208Y/120V 3 PHASE 42	1	EA	\$ -	\$ -	\$0	\$0	
693	ES 1.0-E2.0	Circuit Breaker In A NEMA 3R Enclosure	1	EA	\$ -	\$ -	\$0	\$0	
694	ES 1.0-E2.0	Panel MP 1000A 208Y/120V 3 Phase 4W	1	EA	\$ -	\$ -	\$0	\$0	
695	ES 1.0-E2.0	Panel A 225A 208Y/120V 3 Phase 4W	1	EA	\$ -	\$ -	\$0	\$0	



Dynamic Estimation Inc.

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Phone: 859-515-2045

PROJECT ID:

HC Michael Morris Graham Park Rec Center Build

SCOPE:

ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
	ES 1.0-E2.0	Panel B 225A 208Y/120V 3 Phase 4W	1	EA	\$ -	\$ -	\$0	\$0	
696	ES 1.0-E2.0	Panel C 225A 208Y/120V 3 Phase 4W	1	EA	\$ -	\$ -	\$0	\$0	
697	ES 1.0-E2.0	Panel L 1000A 208Y/120V 3 Phase 4W	1	EA	\$ -	\$ -	\$0	\$0	
698	ES 1.0-E2.0	Panel M 400A 208Y/120V 3 Phase 4W	1	EA	\$ -	\$ -	\$0	\$0	
699	ES 1.0-E2.0	LCP '16' Relay	1	EA	\$ -	\$ -	\$0	\$0	
	ES 1.0-E2.0	AREA FOR WIRING AND CONDUITS			\$ -	\$ -	\$0	\$0	
700	ES 1.0-E2.0	Area For Wiring & Conduits	31354.92	SF	\$ -	\$ -	\$0	\$0	
		Subtotal (Electrical)			\$ -	\$ -	\$0	\$0	\$0
DIVISION 31 - EARTHWORK									
		SEDIMENT CONTROL							
		TREE PROTECTION							
701	S2.02	Tree Protection 'TP' - Tree Protection: A highly visible, temporary structure installed at the drip line of an existing tree, used to protect the existing tree onsite during the construction period	1934.5	LF	\$ -	\$ -	\$0	\$0	
		CONSTRUCTION ENTRANCE							
702	S2.02	Construction Entrance 'CE' - Construction Entrance: A stone stabilized pad located at any point that traffic will be leaving a construction site to a public right-of-way, street, alley, sidewalk, or parking lot which will reduce or eliminate the transport of mud from the construction site,	3907.9	SF	\$ -	\$ -	\$0	\$0	
		WASH OUT							
703	S2.02	Concrete Wash Out Area 'CWA' - Temporary facility provided onsite for concrete trucks to washout prior to leaving construction site, contractor may relocate onsite as deemed necessary throughout construction	1.0	EA	\$ -	\$ -	\$0	\$0	
		FENCE							
704	S2.02	Sediment Fence 'SF' - A temporary structure used to slow the velocity of run-off, cause sediment deposition at the structure, and filter sediment from run-off	3792.8	LF	\$ -	\$ -	\$0	\$0	
705	S2.02	Double Sediment Fence 'DSF' - A temporary structure used to slow the velocity of run-off, cause sediment deposition at the structure, and filter sediment from run-off used along existing wetlands	2483.8	LF	\$ -	\$ -	\$0	\$0	
		PROTECTION							
706	S2.02	Inlet Protection 'IP' - A temporary sediment barrier laid around a storm drain inlet to prevent sediment from entering the drainage system	34.0	EA	\$ -	\$ -	\$0	\$0	
707	S2.02	Outlet Protection 'OP' - Rip rap channel / bank placed below drainage outlets to reduce the velocity of flow, erosion, and stabilize grades downstream of outlet structures,	10.0	EA	\$ -	\$ -	\$0	\$0	
		TUBE							
708	S2.02	Sediment Tube 'ST' - Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber or hardwood mulch, straw, pine needles and leaf mulch-filled sediment tubes are not permitted under this specification	11.0	EA	\$ -	\$ -	\$0	\$0	
		BLANKET							
709	S2.02	Erosion Control Blanket 'ECB' - Erosion control blankets are used as a surface covering on steep slopes to prevent soil erosion during storms until permanent vegetation has been established	74.7	LF	\$ -	\$ -	\$0	\$0	
		SWALE							
710	S2.02	10' Wide Drainage Swale	589.8	LF	\$ -	\$ -	\$0	\$0	
		FROM KUBLA							
		CLEARING							
711		Clearing And Grubbing (797326.10 SF)	1	LS	\$ -	\$ -	\$0	\$0	
712		Top Soil Removal	14767	CY	\$ -	\$ -	\$0	\$0	
		We Assumed 6" Top Soil Removal. Please Confirm If Needed							
713		Haul Away Top Soil (Assume 20 CY/LOAD)	739	LOADS	\$ -	\$ -	\$0	\$0	
		GRADING							
714		Total Cut	18703	CY	\$ -	\$ -	\$0	\$0	
715		Total Fill	14356	CY	\$ -	\$ -	\$0	\$0	
716		Haul Away Soil (Assume 20 CY/LOAD)	218	LOADS	\$ -	\$ -	\$0	\$0	
		Subtotal (Earthwork)							\$0
DIVISION 32 - EXTERIOR IMROVEMENTS									
		CIVIL							
		SIDEWALK							
717	C1.01, C1.02,	4" Thick Concrete Sidewalk '1' - Concrete Strength: 3000 PSI - Compacted Subgrade 95% Max Density - 1/4" Tooled Construction Joint 1" Deep	22188.9	SF	\$ -	\$ -	\$0	\$0	

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
		PAVEMENT							
718	C1.01, C1.02,	4" Thick Concrete Pavement '2' - Concrete Strength: 3000 PSI - 4" SCDOT G.A.B.C Compacted 100% Of The Modified Proctor - 12" Prepared Stabilized Subgrade @ 98% Maximum Density	4751.8	SF	\$ -	\$ -	\$0	\$0	
719	C1.01, C1.02,	6" Heavy Duty Concrete Paving '3' Reinforced w/ - Concrete Strength: 3000 PSI - 6" x 6" Woven Wire Fence - 4" SCDOT G.A.B.C Compacted 100% Of The Modified Proctor - 18" Prepared Stabilized Subgrade	816.9	SF	\$ -	\$ -	\$0	\$0	
720	C1.01, C1.02,	Asphalt Path '4' - 2" Minimum SCDOT 403 Type Asphalt - 12" Prepared Stabilized Subgrade - Existing Subgrade	44089.2	SF	\$ -	\$ -	\$0	\$0	
721	C1.01, C1.02,	Light Duty Bituminous Concrete '5' - 2" SCDOT 403 Type C HMA Surface Course Asphalt - 6" G.A.B.C. (Compacted To 100% Modified Proctor Density) - Compacted Subgrade (Top 12" Compacted To 100% Std.)	71820.5	SF	\$ -	\$ -	\$0	\$0	
722	C1.01, C1.02,	Heavy Duty Bituminous Concrete '6' - 1 1/2" SCDOT Type C HMA Surface Course Asphalt - Tack Coat - 2" SCDOT 403 Type C HMA Surface Course Asphalt - 8" G.A.B.C. (Compacted To 100% Modified Proctor Density) - Compacted Subgrade (Top 12" Compacted To 100% Std.)	74110.3	SF	\$ -	\$ -	\$0	\$0	
		CURB & GUTTER							
723	C1.01, C1.02,	Standard Curb & Gutter '7' - Concrete Strength: 3000 PSI - 6" Leveling Course	5180.0	LF	\$ -	\$ -	\$0	\$0	
724	C1.01, C1.02,	Mountable Curbing - Concrete Strength: 3000 PSI - 6" Leveling Course	21.3	LF	\$ -	\$ -	\$0	\$0	
725	C1.01, C1.02,	Roll Curb '8' - Concrete Strength: 3000 PSI - 6" Leveling Course	54.5	LF	\$ -	\$ -	\$0	\$0	
		RAMP							
726	C1.01, C1.02,	Depressed Sidewalk/ ADA Ramp '9' - Scored Ramp - Tactile Warning Strip - Concrete Strength: 3000 PSI - Compacted Subgrade 95% Max Density - 1/4" Tooled Construction Joint 1" Deep	705.6	SF	\$ -	\$ -	\$0	\$0	
727	C1.01, C1.02,	Pedestrian Ramp '10' - Tactile Warning Surface Treatment	22.0	EA	\$ -	\$ -	\$0	\$0	
		SIGNAGE							
728	C1.01, C1.02,	ADA Parking Signage '14' - 5' Above Surface Concrete Bollard - Handicap Sign To Conform With The "Manual On Uniform Traffic Control Devices"	10.0	EA	\$ -	\$ -	\$0	\$0	
729	C1.01, C1.02,	Stop Sign '16' - Size: 30" x 30"	4.0	EA	\$ -	\$ -	\$0	\$0	
730	C1.01, C1.02,	Stop Bar '17' - Solid White Thermoplastic Stop Bar 24" Wide	4.0	EA	\$ -	\$ -	\$0	\$0	
		LINE MARKING							
731	C1.01, C1.02,	4" Wide Blue Reflective Paint	594.4	LF	\$ -	\$ -	\$0	\$0	
732	C1.01, C1.02,	4" Wide White Traffic Paint	7856.4	LF	\$ -	\$ -	\$0	\$0	
733	C1.01, C1.02,	Paint ADA Parking Space '13'	10.0	EA	\$ -	\$ -	\$0	\$0	
734	C1.01, C1.02,	2' Wide Pedestrian Crossing	153.1	LF	\$ -	\$ -	\$0	\$0	
		WHEEL STOPS							
735	C1.01, C1.02,	Wheel Stop '19'	59.0	EA	\$ -	\$ -	\$0	\$0	
		DUMPSTER ENCLOSURE							
736	C1.01, C1.02,	Dumpster Enclosure '20' - 6" Concrete Filled Pipe Bollard - 12" x 6" Concrete Band - Dumpster Enclosure Fence Including Gate - 6" x 6" Post	2.0	EA	\$ -	\$ -	\$0	\$0	
		BENCH							
737	C1.01, C1.02,	Backless Bench '21' - Product: CRFA - Description: Carnival Flat Bench, No Arms	4.0	EA	\$ -	\$ -	\$0	\$0	
		BLEACHERS							
738	C1.01, C1.02,	Bleachers '22' (Details TBC)	1.0	EA	\$ -	\$ -	\$0	\$0	
		FENCE							
739	C1.01, C1.02,	(4' HT) Chain Link Fence '26' - Line Post (1-7/8" O.D.Galv Pipe) - Use 1-3/4" x 1-3/4" x 8 GA Fabric w/ 9 GA Tie Wire 24" O/C For 4' Vinyl-Coated Chain Link Fence	461.8	LF	\$ -	\$ -	\$0	\$0	
740	C1.01, C1.02,	(4' HT) Chain Link Fence Including Gate '25' - Line Post (1-7/8" O.D.Galv Pipe) - Use 1-3/4" x 1-3/4" x 8 GA Fabric w/ 9 GA Tie Wire 24" O/C For 4' Vinyl-Coated Chain Link Fence	203.8	LF	\$ -	\$ -	\$0	\$0	

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
741	C1.01, C1.02,	(3' HT) Chain Link Fence - Line Post (1-7/8" O.D.Galv Pipe) - Use 1-3/4" x 1-3/4" x 8 GA Fabric w/ 9 GA Tie Wire 24" O/C For 4' Vinyl-Coated Chain Link Fence	545.3	LF	\$ -	\$ -	\$0	\$0	
		PICKLE BALL COURT							
742	C1.01, C1.02,	Pickle Ball Net - Galvanised Post With Powdercoated Finish (2 EA) - 1/4" Dia Stop Collar	80.4	LF	\$ -	\$ -	\$0	\$0	
743	C1.01, C1.02,	Pickle Ball Court Stripping	793.6	LF	\$ -	\$ -	\$0	\$0	
744	C1.01, C1.02,	Trash Receptacle '24'	2.0	EA	\$ -	\$ -	\$0	\$0	
745	C1.01, C1.02,	Drinking Fountain '23'	1.0	EA	\$ -	\$ -	\$0	\$0	
746	C1.01, C1.02,	Asphalt Court Paving	7574.4	SF	\$ -	\$ -	\$0	\$0	
747	C1.01, C1.02,	Bench With Back '21'	2.0	EA	\$ -	\$ -	\$0	\$0	
		BASKETBALL COURT							
748	C1.01, C1.02,	(10' HT) Chainlink Fence Including Gate	356.2	LF	\$ -	\$ -	\$0	\$0	
749	C1.01, C1.02,	Basketball Goal w/ - Net And Backboard	4.0	EA	\$ -	\$ -	\$0	\$0	
750	C1.01, C1.02,	Drinking Fountain '23' - Valve Specification: Minimum/ Maximum Pressure 30 to 100 PS1	1.0	EA	\$ -	\$ -	\$0	\$0	
751	C1.01, C1.02,	Trash Receptacle '24'	1.0	EA	\$ -	\$ -	\$0	\$0	
752	C1.01, C1.02,	Bench With Back '21' - Product: CRB - Description: Carnival Bench	2.0	EA	\$ -	\$ -	\$0	\$0	
753	C1.01, C1.02,	Basketball Stripping	1.0	EA	\$ -	\$ -	\$0	\$0	
754	C1.01, C1.02,	Basketball Stripping	1247.7	LF	\$ -	\$ -	\$0	\$0	
755	C1.01, C1.02,	Asphalt Court Paving	8039.1	SF	\$ -	\$ -	\$0	\$0	
		PLAYGROUND							
756	C1.01, C1.02,	Playground '35' (Future By Others)	1.0	EA	\$ -	\$ -	\$0	\$0	
		NETTING							
757	C1.01, C1.02,	Ball Stop Netting '31'	163.0	LF	\$ -	\$ -	\$0	\$0	
		LANDSCAPING							
		CANOPY TREE							
758	L1.05	BD Betula Nigra 'BNMTF' Dura Heat River Birch 2" Cal 12'-14' HT B&B	4.0	EA	\$ -	\$ -	\$0	\$0	
759	L1.05	JUVI Juniperus Virginiana Eastern Redcedar 2" Cal 10'-12' HT B&B	7.0	EA	\$ -	\$ -	\$0	\$0	
760	L1.05	PITA Pinus Taeda Loblolly Pine 2" Cal 12'-14' HT B&B	18.0	EA	\$ -	\$ -	\$0	\$0	
761	L1.05	QUSH Quercus Shumardii Shumard Oak 2" Cal 12'-14' HT B&B	10.0	EA	\$ -	\$ -	\$0	\$0	
762	L1.05	QUHI Quercus Virginiana Highrise Southern Live Oak 2" Cal 12'-14' HT B&B	33.0	EA	\$ -	\$ -	\$0	\$0	
763	L1.05	ULEM Ulmus Parvifolia Emer II 2" Cal 12'-14' HT B&B	6.0	EA	\$ -	\$ -	\$0	\$0	
764	L1.05	ZESE Zelkova Serrata Green Vase 2" Cal 12'-14' HT B&B	8.0	EA	\$ -	\$ -	\$0	\$0	
		Understory Trees							
765	L1.05	ILVO Ilex Vomitoria Yaupon Holly 1" Cal 5'-8' HT B&B	6.0	EA	\$ -	\$ -	\$0	\$0	
766	L1.05	ILNR Ilex x Nellie R. Stevens Nellie R. Stevens Holly 1" Cal 5'-8' HT B&B	18.0	EA	\$ -	\$ -	\$0	\$0	
767	L1.05	LIFN Lagerstroemia Indica x Faurei 'Natchez' Natchez Crape Myrtle 1" Cal 5'-8' HT B&B	40.0	EA	\$ -	\$ -	\$0	\$0	
768	L1.05	MAGR Magnolia Grandiflora 'Little Gem' Little Gem Dwarf Southern Magnolia 1" Cal 5'-8' HT B&B	26.0	EA	\$ -	\$ -	\$0	\$0	
		Shrubs		EA					
769	L1.05	ROVR Rosa x 'Meizorland' White Drift Groundcover Rose 2'-3' Spread 12'-15" HT #3 Cont.	8.0	EA	\$ -	\$ -	\$0	\$0	
770	L1.05	RORA Rosa x 'Prairifire' Knock Out Shrub Rose 2'-3' Spread 18"-24" HT #7 Cont.	7.0	EA	\$ -	\$ -	\$0	\$0	
		Evergreen Shrubs							
771	L1.05	AZDE Azalea x 'Delaware Valley White' Valley White Azalea 18-24" Spread 18-24" HT	22.0	EA	\$ -	\$ -	\$0	\$0	
772	L1.05	BUMJ Buxus Microphylla Japonica Winter Gem 18-24" Spread 18-24" HT	51.0	EA	\$ -	\$ -	\$0	\$0	
773	L1.05	ILCO Ilex Cornuta 'Carissa' Carissa Chinese Holly 18-24" Spread 18-24" HT	43.0	EA	\$ -	\$ -	\$0	\$0	
774	L1.05	IVNA Ilex Vomitoria 'Nana' Dwarf Yaupon Holly 18-24" Spread 18-24" HT	140.0	EA	\$ -	\$ -	\$0	\$0	
775	L1.05	LOCR Loropetalum Chinense 'Ruby' Ruby Loropetalum 18-24" Spread 18-24" HT	55.0	EA	\$ -	\$ -	\$0	\$0	
776	L1.05	LOCF Loropetalum Chinense 'Rubrum' Crimson Ffuff Fringe Flower 18-24" Spread 18-24" HT	36.0	EA	\$ -	\$ -	\$0	\$0	
777	L1.05	MYCE Myrica Cerifera Wax Myrtle 24-36" Spread 28" HT N.A.	3.0	EA	\$ -	\$ -	\$0	\$0	
778	L1.05	OSFR Osmanthus Fragrans Sweet Olive 18-24" Spread 18-24" HT	6.0	EA	\$ -	\$ -	\$0	\$0	
779	L1.05	PTVA Azalea O'Neill 'Tobira' Variegata' 18 - 24" Spr. 24 - 30" Ht.	55.0	EA	\$ -	\$ -	\$0	\$0	
780	L1.05	POMM Podocarpus Macrophyllus 'Nana' 24 - 36" Spr. 24 - 36" Ht	31.0	EA	\$ -	\$ -	\$0	\$0	
781	L1.05	SAMI Samania Semi-Alba 24 - 36" Spr. 24 - 36" Ht	23.0	EA	\$ -	\$ -	\$0	\$0	
782	L1.05	VIAC Viburnum Awabuki 'Chindo' 24 - 36" Spr. 3 - 4' Ht.	96.0	EA	\$ -	\$ -	\$0	\$0	
		Ornamental Grasses							
783	L1.05	MUCA Muhlenbergia Capillaris Pink Muhly Grass 18-24" Spread 18-24" HT #3 Cont.	336.0	EA	\$ -	\$ -	\$0	\$0	
784	L1.05	PVCB Panicum Virgatum 'Cape Breeze' Switch Grass 18-24" Spread 18-24" HT #3 Cont.	9.0	EA	\$ -	\$ -	\$0	\$0	
785	L1.05	PAHA Pennisetum Alopecuroides 'Hameln' Hameln Fountain Grass 15-18" Spread 15-18" HT #3 Cont.	108.0	EA	\$ -	\$ -	\$0	\$0	
		Ground Covers							
786	L1.05	CD Cynodon Dactylon Bermudagrass Sod	245567.0	SF	\$ -	\$ -	\$0	\$0	

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787	L1.05	EROP Eremochloa Ophiuroides Centipede Seed	161300.0	SF	\$ -	\$ -	\$0	\$0	
788	L1.05	JCPA Juniperus Chinensis 'Parsonii' Parsoni Juniper 12"-18" Spr 6-12" Ht #3 Cont. 48" O.C	4239.0	SF	\$ -	\$ -	\$0	\$0	
789	L1.05	TRAS Trachelospermum Asiaticum Asiatic Jasmine 6 - 9" Spr 6 - 9" Ht. Sp#4 36" O.C	99.0	SF	\$ -	\$ -	\$0	\$0	
		Subtotal (Exterior Improvements)							\$0
DIVISION 33 - UTILITIES									
		PIPING							
		SANITARY SEWER PIPE							
790	C401, C402, C	4".Dia Sanitary Sewer Sch. 40 PVC Pipe	21	LF	\$ -	\$ -	\$0	\$0	
791	C401, C402, C	6".Dia Sanitary Sewer Sch. 40 PVC Pipe	539	LF	\$ -	\$ -	\$0	\$0	
		WATER SERVICE PIPE							
792	C401, C402, C	1".Dia Water Service Sch. 40 PVC Pipe	50	LF	\$ -	\$ -	\$0	\$0	
793	C401, C402, C	2".Dia Water Service Sch. 40 PVC Pipe	750	LF	\$ -	\$ -	\$0	\$0	
794	C401, C402, C	2-1/2".Dia Water Service Sch. 40 PVC Pipe	234	LF	\$ -	\$ -	\$0	\$0	
		FIRE MAIN PIPE							
795	C401, C402, C	6".Dia Sch. 40 PVC Fire Main Pipe	360	LF	\$ -	\$ -	\$0	\$0	
		FORCE MAIN PIPE							
796	C401, C402, C	Force Main Pipe	455	LF	\$ -	\$ -	\$0	\$0	
		STORMWATER PIPE							
797	C401, C402, C	12".Dia Stormwater HDPE Pipe	293	LF	\$ -	\$ -	\$0	\$0	
798	C401, C402, C	12".Dia Stormwater PVC Pipe	93	LF	\$ -	\$ -	\$0	\$0	
799	C401, C402, C	15".Dia Stormwater HDPE Pipe	366	LF	\$ -	\$ -	\$0	\$0	
800	C401, C402, C	15".Dia Stormwater RCP Pipe	370	LF	\$ -	\$ -	\$0	\$0	
801	C401, C402, C	18".Dia Stormwater HDPE Pipe	571	LF	\$ -	\$ -	\$0	\$0	
802	C401, C402, C	18".Dia Stormwater RCP Pipe	196	LF	\$ -	\$ -	\$0	\$0	
803	C401, C402, C	24".Dia Stormwater PVC Pipe	260	LF	\$ -	\$ -	\$0	\$0	
804	C401, C402, C	24".Dia Stormwater RCP Pipe	248	LF	\$ -	\$ -	\$0	\$0	
805	C401, C402, C	30".Dia Stormwater RCP Pipe	319	LF	\$ -	\$ -	\$0	\$0	
806	C401, C402, C	36".Dia Stormwater RCP Pipe	1032	LF	\$ -	\$ -	\$0	\$0	
807	C401, C402, C	6".Dia Stormwater HDPE Pipe	103	LF	\$ -	\$ -	\$0	\$0	
808	C401, C402, C	8".Dia Stormwater HDPE Pipe	187	LF	\$ -	\$ -	\$0	\$0	
		FITTINGS							
		BENDS							
809	C401, C402, C	6".Dia & 45 Degree Sanitary Sewer Sch. 40 PVC Pipe Bend	6	EA	\$ -	\$ -	\$0	\$0	
810	C401, C402, C	2".Dia & 45 Degree Water Service Sch. 40 PVC Pipe Bend	3	EA	\$ -	\$ -	\$0	\$0	
811	C401, C402, C	2-1/2".Dia & 90 Degree Water Service Sch. 40 PVC Pipe Bend	1	EA	\$ -	\$ -	\$0	\$0	
812	C401, C402, C	2-1/2".Dia & 11.25 Degree Water Service Sch. 40 PVC Pipe Bend	1	EA	\$ -	\$ -	\$0	\$0	
813	C401, C402, C	6".Dia & 45 Degree Sch. 40 PVC Fire Main Pipe Bend	3	EA	\$ -	\$ -	\$0	\$0	
814	C401, C402, C	Force Main 45 Degree Pipe Bend	3	EA	\$ -	\$ -	\$0	\$0	
		TEES							
815	C401, C402, C	2-1/2" x 2" Water Service Sch. 40 PVC Pipe Tee	1	EA	\$ -	\$ -	\$0	\$0	
816	C401, C402, C	2" x 1" Water Service Sch. 40 PVC Pipe Tee	1	EA	\$ -	\$ -	\$0	\$0	
		CAPS							
817	C401, C402, C	2" Water Valve & Capped	1	EA	\$ -	\$ -	\$0	\$0	
818	C401, C402, C	1" Water Valve & Capped	1	EA	\$ -	\$ -	\$0	\$0	
819	C401, C402, C	2-1/2" Water Valve & Capped	1	EA	\$ -	\$ -	\$0	\$0	
820	C401, C402, C	6" Fire Line Capped	1	EA	\$ -	\$ -	\$0	\$0	
		VALVES							
821	C401, C402, C	Alarm Shut-Off Valve w/ Tamper Switch	1	EA	\$ -	\$ -	\$0	\$0	
822	C401, C402, C	Non Rising Stem OS & Y gate Valve	1	EA	\$ -	\$ -	\$0	\$0	
823	C401, C402, C	Double Check Valve	1	EA	\$ -	\$ -	\$0	\$0	
824	C401, C402, C	6".Dia Gate Valve	2	EA	\$ -	\$ -	\$0	\$0	
825	C401, C402, C	6" x 2" Saddle	1	EA	\$ -	\$ -	\$0	\$0	
826	C401, C402, C	6".Dia Backflow preventer	1	EA	\$ -	\$ -	\$0	\$0	
827	C401, C402, C	Tapping & Saddle w/ Gate Valve By GSWSA	1	EA	\$ -	\$ -	\$0	\$0	
828	C401, C402, C	2".Dia Back Flow Preventer	1	EA	\$ -	\$ -	\$0	\$0	
829	C401, C402, C	2".Dia Valve	1	EA	\$ -	\$ -	\$0	\$0	
830	C401, C402, C	Threaded Angle Valve	1	EA	\$ -	\$ -	\$0	\$0	
		CONNECTIONS							
831	C401, C402, C	Remote Fire Department Connection	1	EA	\$ -	\$ -	\$0	\$0	
832	C401, C402, C	2".Dia Water Meter	1	EA	\$ -	\$ -	\$0	\$0	
833	C401, C402, C	Simplex Grinder Station By GSWSA	1	EA	\$ -	\$ -	\$0	\$0	
		FIXTURES (CATCH BASINS, JUNCTION BOXES, DRAINS & CLEANOUTS)							
834	C401, C402, C	Swale Drain	567	LF	\$ -	\$ -	\$0	\$0	
835	C401, C402, C	Clean Out	12	EA	\$ -	\$ -	\$0	\$0	
836	C401, C402, C	Catch Basin - US Foundry , USF - 4138 Frame & 6218 Grate	36	EA	\$ -	\$ -	\$0	\$0	
837	C401, C402, C	BB-F-1 - Bubbler Catch Basin w/ USF 1111Slab Type Ring & Cover	1	EA	\$ -	\$ -	\$0	\$0	
838	C401, C402, C	CB-F-2 - US Foundry , USF - 4138 Frame & 6218 Grate	1	EA	\$ -	\$ -	\$0	\$0	
839	C401, C402, C	FES-DP1: Flared End Section	1	EA	\$ -	\$ -	\$0	\$0	
840	C401, C402, C	FES-1: Flared End Section	1	EA	\$ -	\$ -	\$0	\$0	
841	C401, C402, C	DS DRY P1 - Basin w/ Grate & Cover	1	EA	\$ -	\$ -	\$0	\$0	
842	C401, C402, C	Junction Box - US Foundry , USF - 668 RING & KL Cover	4	EA	\$ -	\$ -	\$0	\$0	
		MISCELLANOEUS							
843	C401, C402, C	Wet Pond	49524	SF	\$ -	\$ -	\$0	\$0	
844	C401, C402, C	Dry Pond	22244	SF	\$ -	\$ -	\$0	\$0	
845	C401, C402, C	Concrete Weir Wall	34	LF	\$ -	\$ -	\$0	\$0	
846	C401, C402, C	Electric Bell	1	EA	\$ -	\$ -	\$0	\$0	
847	C401, C402, C	Flow Switch	1	EA	\$ -	\$ -	\$0	\$0	
848	C401, C402, C	4 Way Brace	1	EA	\$ -	\$ -	\$0	\$0	

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PROJECT ID: HC Michael Morris Graham Park Rec Center Build

SCOPE: ALL TRADE

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	LAB	MAT	UNIT COST	TOTAL COST	TRADE COST
849	C401, C402, C	Flex Connector	1	EA	\$ -	\$ -	\$0	\$0	
850	C401, C402, C	Control Panel	1	EA	\$ -	\$ -	\$0	\$0	
		Subtotal (Utilities)							
SUBTOTAL									\$0
OVERHEAD & PROFIT			20%						\$0
INSURANCE			3%						\$0
CONTINGENCY			7%						\$0
TOTAL BASE BID									
\$0									