

**GENERAL SUMMARY**

Prepared for: 221 N Milwaukee Street Denver, CO 80206  
 Project ID:  
 Scope: Pool & SPA  
 Date: 6-Mar-24



Pool & SPA GSF 2,961

DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST (PER SF)
1000	General Requirements	\$ -	\$ -
3000	Concrete	\$ -	\$ -
7000	Thermal & Moisture Protection	\$ -	\$ -
9000	Finishes	\$ -	\$ -
11000	Equipment	#REF!	#REF!
12000	Furnishes	\$ -	\$ -
13000	Special Construction	\$ -	\$ -
<b>TOTAL TRADE COST</b>		<b>#REF!</b>	<b>#REF!</b>
<b>OVERHEAD AND PROFIT</b>			
	15%	#REF!	#REF!
INSURANCE	0%	#REF!	#REF!
CONTINGENCY	0%	#REF!	#REF!
TAX	0%	#REF!	#REF!
<b>SUGGESTED BID</b>		<b>#REF!</b>	<b>#REF!</b>

**DIVISION COST COMPARISON**

- General Requirements
- Concrete
- Thermal & Moisture Protection
- Finishes
- Equipment
- Furnishes
- Special Construction



**DETAILED BREAKDOWN OF ITEMS**

Prepared for: 221 N Milwaukee Street Denver, CO 80206  
 Project ID:  
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Date: 6-Mar-24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>GENERAL REQUIREMENTS</b>													
1			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
												<b>SUBTOTAL \$</b>	-
<b>CONCRETE</b>													
<b>CAST IN PLACE CONCRETE</b>													
<b>POOL</b>													
<b>SLAB</b>													
8			Formwork	SF	1225	10%	1348	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>BEAM</b>													
9			Formwork	SF	280	10%	308	0.00	0.00	\$ -	\$ -	\$ -	\$ -
10			Formwork	SF	550	10%	605	0.00	0.00	\$ -	\$ -	\$ -	\$ -
11			Formwork	SF	504	10%	554	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>STOOL</b>													
12			Formwork	SF	39	10%	43	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>SPA</b>													
<b>SLAB</b>													
13			Formwork	SF	336	10%	370	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>BEAM</b>													
14			Formwork	SF	344	10%	378	0.00	0.00	\$ -	\$ -	\$ -	\$ -
15			Formwork	SF	222	10%	244	0.00	0.00	\$ -	\$ -	\$ -	\$ -
												<b>SUBTOTAL \$</b>	-
<b>THERMAL &amp; MOISTURE PROTECTION</b>													
<b>POOL</b>													
<b>INSULATION</b>													
16	SP-1	1/A492	2'-2"Thk Geofoam Around Pool	SF	309	10%	340	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>SPA</b>													
<b>INSULATION</b>													
17			2'-2"Thk Geofoam Around SPA	SF	138	10%	152	0.00	0.00	\$ -	\$ -	\$ -	\$ -
												<b>SUBTOTAL \$</b>	-
<b>FINISHES</b>													
<b>POOL</b>													
<b>WALL FINISHES</b>													
18			Wall Membrane - 1.5MM Single Color Reinforced Laminate W/ Highly resistant pigments & Durable Plasticizer Designed To Last in Swimming Pool: 1. Guarantee Watertightness of 10 years. 2. Mean Thickness 1.5mm +5% EN 1849-2 3. Tensile Strength Greater Than 1.1 KN/50mm 12311-2A 3. Tear resistance Greater Than 180N EN12310-2	SF	444	10%	488	0.00	0.00	\$ -	\$ -	\$ -	\$ -

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19	SP-3	Plan Notes	Water Line Tile - 12" Ceramic Tile Frost Proof	SF	111	10%	122	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
			<b>FLOOR FINISHES</b>											
20			Floor Membrane - 1.5MM Single Color Reinforced Laminate W/ Highly resistant pigments & Durable Plasticizer Designed To Last in Swimming Pool: 1. Guarantee Watertightness of 10 years. 2. Mean Thickness 1.5mm +5% EN 1849-2 3. Tensile Strength Greater Than 1.1 KN/50mm 12311-2A 3. Tear resistance Greater Than 180N EN12310-2	SF	720	10%	792	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
			<b>POOL DECK</b>											
			<b>FLOORING SYSTEM</b>											
21			1R.C8a/A043	Roof Pavers & Pedestal System Over - Cementitious Cover Board - R-30 EPS Board Insulation - Membrane Integrity Test System - Fluid Applied Wping	SF	1864	10%	2050	0.00	0.00	\$ -	\$ -	\$ -	\$ -
				<b>SPA</b>										
				<b>WALL FINISHES</b>										
22			Plan Notes	Ceramic Tile @ Wall - Slip Resistant & Frost Proof	SF	152	10%	167	0.00	0.00	\$ -	\$ -	\$ -	\$ -
				<b>FLOOR FINISHES</b>										
23			Ceramic Tile @ Floor - Slip Resistant & Frost Proof	SF	87	10%	95	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
<b>SUBTOTAL \$</b>												-		
<b>FURNISHES</b>														
			<b>POOL</b>											
			<b>COUNTERTOP</b>											
24	SP-1	2/A492	2" Porcelain Exterior Countertop @ Pool Bar	SF	32	10%	36	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
<b>SUBTOTAL \$</b>												-		
<b>SPECIAL CONSTRUCTION</b>														
			<b>POOL</b>											
			<b>WALL SYSTEM</b>											
25	SP-1	Plan Notes	4'-0"H Pre-Manufactured Pool Wall (Steel) System	SF	436	10%	480	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
					<b>SPA</b>									
			<b>WALL SYSTEM</b>											
26			4'-0"H Pre-Manufactured SPA Wall (Steel) System	SF	165	10%	181	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
<b>SUBTOTAL \$</b>												-		
<b>OVERHEAD AND PROFIT</b>											<b>PROJECTED COST</b>	\$0		
<b>INSURANCE</b>											15%	\$0		
<b>CONTINGENCY</b>											0%	\$0		
<b>TAX</b>											0%	\$0		
<b>SUGGESTED BID</b>												\$0		



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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>GENERAL REQUIREMENTS</b>													
1			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
												<b>SUBTOTAL \$</b>	-
<b>CONCRETE</b>													
<b>CAST IN PLACE CONCRETE</b>													
<b>STAIRS</b>													
8		Plan Notes	31'-6"L x 1'-0"D x 0'-10"H Poll Concrete Stair	EA	4	0	4	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>STAIRS</b>													
9		Plan Notes	4'-6"L x 1'-0"D x 1'-0"H SPA Concrete Stair	EA	3	0	3	0.00	0.00	\$ -	\$ -	\$ -	\$ -
												<b>SUBTOTAL \$</b>	-
<b>EQUIPMENT</b>													
<b>POOL EQUIPMENT</b>													
10			PUMP, FILTRATION - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> SP32900VSP - <b>Description:</b> TRISTAR VS 900 VARIABLE SPEED PUMP, 1.85 HP,	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
11			BASKET STRAINER, SPARE - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> SPX3200M - <b>Description:</b> STRAINER BASKET FOR TRTSTARVSP PUMP	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
12			SAND FILTER - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> HCF236C - <b>Description:</b> 36", 2.5" INLET/OUTLET, 7.05 SQ FT, 105 GPM @ 15 GPM/FT, 35.5 BW GPM MIN	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
13			MULTIPOINT VALVE - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> HCV2575C - <b>Description:</b> 2.5" COMMERCIAL MULTIPOINT VALVE KIT, 150 GPM	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
14			SIGHT GLASS - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> SP1074S - <b>Description:</b> 1-1/2" DIAMETER SIGHT GLASS, 2" SOCKET PORTS	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
15			FLOW METER - <b>Manufacturer:</b> H2FLOW CONTROLS - <b>Model:</b> FV-3-40 - <b>Description:</b> FOR 3" SCH 40 PVC PIPE, 70—240 GPM, 99.2% ACCURACY	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
16			MAIN DRAIN SUMP - <b>Manufacturer:</b> MYRTHA - <b>Description:</b> VGB 2017 COMPLIANT	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
17	SP-2	Pool Equipment Schedule	VGB GRATE COVER & FLANGE - <b>Manufacturer:</b> MYRTHA - <b>Description:</b> VGB 2017 COMPLIANT	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -
18			AUTOMATIC CHEMISTRY CONTROLLER - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> CAT 4000	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
19			ACID/CHLORINE CHEMICAL PUMP - <b>Manufacturer:</b> STENNER - <b>Model:</b> 45M5 - <b>Description:</b> 25 PSI MAX, 2.5-50 GALLONS PER DAY (BY OWNER)	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -
20			DUAL CONTAINMENT CHEMICAL TANK - <b>Manufacturer:</b> CHEM-TAINER - <b>Model:</b> TC2435DC - <b>Description:</b> 3S GALLON DOUBLE WALL TANK, 24"D X 35"H (USE FOR ACID FOR BOTH POOL & SPA)	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
21			DUAL CONTAINMENT CHEMICAL TANK - <b>Manufacturer:</b> CHEM-TAINER - <b>Model:</b> TC2738DC - <b>Description:</b> 50 GALLON DOUBLE WALL TANK, 27"DX38"H (USE FOR CHLORINE FOR BOTH POOL & SPA)	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
22			CHLORINE EROSION FEEDER - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> R171215 - <b>Description:</b> HC—3315 RAINBOW SERIES HIGH CAPACITY FEEDER, 15 LB CAPACITY, WITH FLOW METER, TRICHLOR/BROMINE (W/ ASC0 REDHAT SOLENOID VALVE AND CONNECTION TO CHEMICAL CONTROLLER) (BY OWNER)	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
23			VACUUM CALL FITTING COVER - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> W400BWHP - <b>Description:</b> VAC LOCK SAFETY WALL FITTING, WHITE	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
24			VACUUM ADAPTER: WALL FITTING TO VACUUM HOSE - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> AXV092 - <b>Description:</b> VACUUM PORT X 1-1/2" HOSE	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
25			STRAINER BASKET, SPARE - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> 516112Z - <b>Description:</b> SPARE BASKET FOR BERMUDA SKIMMER	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
26			OVERFLOW GRATE - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> SP1019 - <b>Description:</b> 1-1/2" FIP X2" SOCKET	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
27			AUTOFILL - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> T40BW - <b>Description:</b> AUTOMATIC WATER FILLER, SIDE MOUNTED FLOAT VALVE, WHITE LID	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
28			UNDERWATER POOL LIGHT - <b>Manufacturer:</b> HAYWARD - <b>Description:</b> CRYSTALOGIC, WHITE LED, 12V, SSW, 500Y/ EQUIVALENT, 4900 LUMENS, 100' CORD	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -

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29			LARGE LIGHT NICHE - <b>Manufacturer:</b> HAYWARD - <b>Description:</b> NON-BONDED, UNGROUNDED, LOW PROFILE PLASTIC POOL NICHE	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -
30			TRANSFORMER - <b>Manufacturer:</b> INTERMATIC - <b>Model:</b> PX300 - <b>Description:</b> 300W TRANSFORMER FOR LED LIGHTS	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
31			HANDRAIL - <b>Manufacturer:</b> S.R.SMITH - <b>Model:</b> ART—1002—MG - <b>Description:</b> ARTISAN SERIES, STAINLESS STEEL (316L) MARINE GRADE 1.90" O.D. X .065" WALL X 60" LONG (CUSTOM LENGTH)	EA	5	0%	5	0.00	0.00	\$ -	\$ -	\$ -	\$ -
32			LADDER - <b>Manufacturer:</b> S.R.SMITH - <b>Model:</b> ART—1003—MG - <b>Description:</b> ARTISAN SERIES, (3) NON-SLIP TREADS, STAINLESS STEEL (316L) MARINE GRADE, 1.90" O.D. X .065" WALL X 24" WIDE	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -
33			SET OF ANCHORS - <b>Manufacturer:</b> PERMA-CAST - <b>Model:</b> PC-4020-BC - <b>Description:</b> CHANNEL MOUNTED SET OF 4" BRONZE ANCHORS, 20' CENTERS	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -
34			ADA LIFT - <b>Manufacturer:</b> S.R.SMITH - <b>Model:</b> 310-0000	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
35			ADA LIFT CADDY - <b>Manufacturer:</b> S.R.SMITH - <b>Model:</b> 310-0000C	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
36			HEATERS - <b>Manufacturer:</b> LOCHINVAR - <b>Description:</b> ENERGYRITE WITH CUPRO—NICKEL HEX, NATURAL GAS	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>SPA EQUIPMENT</b>													
37			PUMP, FILTRATION - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> SP32900VSP - <b>Description:</b> TRISTAR VS 900 VARIABLE SPEED PUMP, 1.85 HP.	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
38			BASKET STRAINER, SPARE - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> SPX3200M - <b>Description:</b> STRAINER BASKET FOR TRTSTARVSP PUMP	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
39			SAND FILTER - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> HCF236C - <b>Description:</b> 36", 2.5" INLET/OUTLET, 7.05 SQ FT, 105 GPM @ 15 GPM/FT, US, 5 BW GPM MIN	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
40			MULTIPORT VALVE - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> HCV2575C - <b>Description:</b> 2.5" COMMERCIAL MULTIPORT VALVE KIT, 150 GPM	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -

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41	SP-2	SPA Equipment Schedule	SIGHT GLASS - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> SP1074S - <b>Description:</b> 1-1/2" DIAMETER SIGHT GLASS, 2" SOCKET PORTS	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -		
42			FLOW METER - <b>Manufacturer:</b> H2FLOW CONTROLS - <b>Model:</b> FV-3-40 - <b>Description:</b> FOR 3" SCH 40 PVC PIPE, 70—240 GPM, 99.2% ACCURACY	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	
43			MAIN DRAIN SUMP - <b>Manufacturer:</b> MYRTHA - <b>Description:</b> VGB 2017 COMPLIANT	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	
44			VGB GRATE COVER & FLANGE - <b>Manufacturer:</b> MYRTHA - <b>Description:</b> VGB 2017 COMPLIANT	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	
45			AUTOMATIC CHEMISTRY CONTROLLER - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> CAT 4000	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	
46			ACID/CHLORINE CHEMICAL PUMP - <b>Manufacturer:</b> STENNER - <b>Model:</b> 45M5 - <b>Description:</b> 25 PSI MAX, 2.5—50 GALLONS PER DAY (BY OWNER)	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	
47			CHLORINE EROSION FEEDER - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> R171215 - <b>Description:</b> HC-3315 RAINBOW SERIES HIGH CAPACITY FEEDER, 15 LB CAPACITY, WITH FLOW METER, TRICHLOR/BROMINE (W/ ASC0 REDHAT SOLENOID VALVE AND CONNECTION TO CHEMICAL CONTROLLER) (BY OWNER)	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	
48			VACUUM CALL FITTING COVER - <b>Model:</b> W400BWHP - <b>Description:</b> VAC LOCK SAFETY WALL FITTING, WHITE	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49			VACUUM ADAPTER: WALL FITTING TO VACUUM HOSE - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> AXV092 - <b>Description:</b> VACUUM PORT X 1-1/2" HOSE	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50			SURFACE SKIMMER - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> 506370BKG - <b>Description:</b> BERMUDA MODEL 2" GUNITE SKIUUERS WITH FLOAT VALVE & EQUALIZER VALVE ASSEMBLY	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51			SKIMMER EQUALIZER LINE ANTI—ENTRAPMENT COVER - <b>Manufacturer:</b> CMP - <b>Model:</b> 25207—700—000 - <b>Description:</b> 4" VGB COMPLIANT COVER, MAX FLOW RATE 50 GPM, COMPLIANT TO ANSI/APSP 16—2017	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52			STRAINER BASKET, SPARE - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> 516112Z - <b>Description:</b> SPARE BASKET FOR BERMUDA SKIMMER	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



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64	SP-2	SPA Therapy Equipment Schedule	PUMP, THERAPY JETS - <b>Manufacturer:</b> HAYWARD - <b>Model:</b> SP32950VSP - <b>Description:</b> TRISTAR VS 950 VARIABLE SPEED PUMP, 2.7 HP, 110 GPM 50 TDH, 3000 RPM, 2"X2-1/2" CONNECTIONS	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
65			VENTURI TEE - <b>Manufacturer:</b> CMP - <b>Model:</b> 23309—000—000 - <b>Description:</b> PVC STRAIGHT BODY, 3/4" SLIP X 1" SPIGOT WATER AND AIR INLETS, 1" SLIP OUTLET, NOZZLE WITH 3/8" ORIFICE	EA	10	0%	10	0.00	0.00	\$ -	\$ -	\$ -	\$ -
66			WALL FITTING - <b>Manufacturer:</b> CMP - <b>Model:</b> 25524—201—000 - <b>Description:</b> 2" INSIDER X 1—1/2" FIP, GRAY	EA	10	0%	10	0.00	0.00	\$ -	\$ -	\$ -	\$ -
67			JET INLET RETURN - <b>Manufacturer:</b> CMP - <b>Model:</b> 23315—031—000 - <b>Description:</b> PULSATOR THERAPY JET, SPINNING, 1—1/2"	EA	10	0%	10	0.00	0.00	\$ -	\$ -	\$ -	\$ -
68			MAIN DRAIN SUMP - <b>Manufacturer:</b> MYRTHA - <b>Description:</b> VGB 2017 COMPLIANT	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -
69			VGB GRATE COVER & FLANCE - <b>Manufacturer:</b> MYRTHA - <b>Description:</b> VGB 2017 COMPLIANT	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -
70			SPA TIMER - <b>Description:</b> BY OTHERS	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>LIFE SAVING EQUIPMENT</b>													
71	SP-2	Life Saving Equipment Schedule	UTILITY POLE - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> R191106 - <b>Description:</b> 820—12, 12' NON—TELESCOPING ALUMINUM POLE	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
72			LIFE HOOK (SHEPHARD' CROOK) - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> R221026 - <b>Description:</b> 153, ALUMINUM, PERMANENTLY ATTACHED TO UTILITY POLE WITH BRASS SCREWS & WING NUTS (NOT INCLUDED)	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
73			HARDWARE - <b>Manufacturer:</b> PENTAIR - <b>Model:</b> R221030 - <b>Description:</b> FOR POOL SAFETY HOOK (SHEPHARD'S CROOK)	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
74			LIFE RING - <b>Manufacturer:</b> JIM BUOY / CAL—JUNE - <b>Model:</b> GW-20 - <b>Description:</b> 20" DIAMETER, U.S. COAST GUARD APPROVED 160.050/48/2	EA	2	0%	2	0.00	0.00	\$ -	\$ -	\$ -	\$ -
75			THROW LINE - <b>Manufacturer:</b> JM BUOY / CAL—JUNE - <b>Description:</b> 1/4" X 50' POLYETHYLENE ROPE & FLOAT ATTACHED TO LIFE RIN	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>MAINTENANCE EQUIPMENT</b>													

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: 221 N Milwaukee Street Denver, CO 80206  
 Project ID:  
 Scope: Pool & SPA



Date: 6-Mar-24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
76	SP-2	Maintenance Equipment Schedule	1/2 HP PORTABLE VACUUM PUMP - Description: 120V, 1PH, PLUGS INTO GFCI OUTLET AROUND DECK (BY OWNER)	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
77			VACUUM HEAD - Manufacturer: PENTAIR - Model: 188HDV - Description: WEIGHTED FLEX8LEVACUUMWITH WHEELS	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
78			EXTENSION POLE - Manufacturer: PENTAIR - Model: 806-16 - Description: 2 PTECE ALUMINUM POLE, EXTENDS FROM 8' TO	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
79			WALL BRUSH - Manufacturer: PENTAIR - Model: 902 - Description: 18" CURVED BRUSH WITH ALUMNUM BACK	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
80			HAND SKIMMER - Manufacturer: PENTAIR - Model: 126 - Description: HEAVY DUTY ALUMINUM FRAME, REPLACEABLE NET	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
81			VACUUM HOSE - Manufacturer: DURAKING - Model: 733005150 - Description: 1.5" X 50' FLOATING SUCTION HOSE	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
82			WATER TEST SET - Manufacturer: TAYLOR CHEMICAL - Model: K2005 - Description: DPD, pH, TA, CH, CYA	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
			<b>REQUIRED SIGN</b>										
			<b>BY OWNER</b>										
83	SP-2	Required Sign Schedule	Emergency Cut-Off Switch Sign	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
84			SPA Rule Sign	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
85			Shallow Water- No Diving Sign	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
86			No Lifeguard On Duty Sign	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
87			911 Emergency Phone Sign	EA	1	0%	1	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>SUBTOTAL \$</b>												<b>-</b>	
											<b>PROJECTED COST</b>	<b>\$0</b>	
<b>OVERHEAD AND PROFIT</b>											<b>15%</b>	<b>\$0</b>	
<b>INSURANCE</b>											<b>0%</b>	<b>\$0</b>	
<b>CONTINGENCY</b>											<b>0%</b>	<b>\$0</b>	
<b>TAX</b>											<b>0%</b>	<b>\$0</b>	
<b>SUGGESTED BID</b>												<b>\$0</b>	

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: 221 N Milwaukee Street Denver, CO 80206  
 Project ID:  
 Scope: Pool & SPA



Date: 6-Mar-24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST	
<b>GENERAL REQUIREMENTS</b>														
1			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -	
2			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -	
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -	
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -	
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -	
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -	
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -	
												<b>SUBTOTAL \$</b>	-	
<b>CONCRETE</b>														
<b>CAST IN PLACE CONCRETE</b>														
<b>POOL</b>														
<b>SLAB</b>														
8	S209a	<b>Plan Notes</b>	10" Concrete Pool Slab (1225 SF)	CY	38	10%	41	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
<b>BEAM</b>														
9		(1/S601)	16"W X 48"H Upturned Concrete Beam (30 LF)	CY	6	10%	7	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
10		(7/S601)	12"W X 59-1/2"D Upturned Concrete Beam (50 LF)	CY	9	10%	10	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
11		(9/S601)	12"W X 48"D Upturned Concrete Beam (56 LF)	CY	8	10%	9	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
<b>STOOL</b>														
12		2/A413	1'-0" Dia. X 2'-6"H Pool Bar Stool (5 EA)	CY	0.4	10%	0.4	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
<b>SPA</b>														
<b>SLAB</b>														
13		<b>Plan Notes</b>	10" Concrete SPA Slab (336 SF)	CY	10	10%	11	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
<b>BEAM</b>														
14		(2&3/S601)	16"W X 40"D Upturned Concrete Beam (43 LF)	CY	7	10%	8	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
15		(2/S701)	1'-0"W X 40"D Upturned Concrete Beam (29 LF)	CY	4	10%	4	0.00	0.00	\$ -	\$ -	\$ -	\$ -	
												<b>SUBTOTAL \$</b>	-	
											<b>PROJECTED COST</b>	\$0		
<b>OVERHEAD AND PROFIT</b>											15%	\$0		
<b>INSURANCE</b>											0%	\$0		
<b>CONTINGENCY</b>											0%	\$0		
<b>TAX</b>											0%	\$0		
<b>SUGGESTED BID</b>													<b>\$0</b>	

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: 221 N Milwaukee Street Denver, CO 80206  
 Project ID:  
 Scope: Pool & SPA



Date: 6-Mar-24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
<b>GENERAL REQUIREMENTS</b>													
1			Permits	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
3			Submittals and Shop drawings	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
4			Final Cleaning	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
5			Mobilization Costs	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
6			Temporary Control & Facilities	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
7			Scaffolding	LS	1	0%	1	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
												<b>SUBTOTAL \$</b>	-
<b>CONCRETE</b>													
<b>CAST IN PLACE CONCRETE</b>													
<b>POOL</b>													
<b>SLAB</b>													
			Reinforcement:										
8			#7 Bar x 15'-0" @ 12" O.C	LBS	889	10%	978	0.00	0.00	\$ -	\$ -	\$ -	\$ -
9			#5 Bar x 15'-0" @ 24" O.C	LBS	235	10%	258	0.00	0.00	\$ -	\$ -	\$ -	\$ -
10			#5 Bar x 23'-9" @ 6" O.C	LBS	1412	10%	1553	0.00	0.00	\$ -	\$ -	\$ -	\$ -
11			#5 Bar @ 18" O.C (27'-9")	LBS	878	10%	966	0.00	0.00	\$ -	\$ -	\$ -	\$ -
12			#5 Bar x 8'-0" @ 12" O.C	LBS	242	10%	266	0.00	0.00	\$ -	\$ -	\$ -	\$ -
13			#5 Bar x 4'-0" @ 18" O.C	LBS	246	10%	271	0.00	0.00	\$ -	\$ -	\$ -	\$ -
14			#5 Bar x 12'-0" @ 12" O.C	LBS	363	10%	399	0.00	0.00	\$ -	\$ -	\$ -	\$ -
15			#5 Bar x 4'-0" @ 12" O.C	LBS	121	10%	133	0.00	0.00	\$ -	\$ -	\$ -	\$ -
16			#5 Bar @ 12" O.C (22'-6")	LBS	681	10%	749	0.00	0.00	\$ -	\$ -	\$ -	\$ -
17			(5) #5 x 12'-0"	LBS	63	10%	69	0.00	0.00	\$ -	\$ -	\$ -	\$ -
18			(5) #5 x 10'-0"	LBS	52	10%	57	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>BEAM</b>													
			Reinforcement										
19			(3) #8 Bott. Bar	LBS	240	10%	264	0.00	0.00	\$ -	\$ -	\$ -	\$ -
20			(3) #8 x 8'-0" Top Bar	LBS	64	10%	70	0.00	0.00	\$ -	\$ -	\$ -	\$ -
21			(3) #8 x 5'-0" Top Bar	LBS	40	10%	44	0.00	0.00	\$ -	\$ -	\$ -	\$ -
22			(2) #8 x 12'-0" Top Bar	LBS	64	10%	70	0.00	0.00	\$ -	\$ -	\$ -	\$ -
23			(4) #5 x 9'-0" Top Bar	LBS	38	10%	41	0.00	0.00	\$ -	\$ -	\$ -	\$ -
24			#4 Cont. Bar @ 10" O.C	LBS	160	10%	176	0.00	0.00	\$ -	\$ -	\$ -	\$ -
25			#4 Ties @ 12" O.C	LBS	212	10%	233	0.00	0.00	\$ -	\$ -	\$ -	\$ -
			Reinforcement										
26			(3) #9 Bott. Bar	LBS	510	10%	561	0.00	0.00	\$ -	\$ -	\$ -	\$ -
27			(6) #9 x 8'-0" Top Bar	LBS	163	10%	180	0.00	0.00	\$ -	\$ -	\$ -	\$ -
28			(3) #9 x 16'-0" Top Bar	LBS	163	10%	180	0.00	0.00	\$ -	\$ -	\$ -	\$ -
29			(2) #8 x 12'-0" Top Bar	LBS	64	10%	70	0.00	0.00	\$ -	\$ -	\$ -	\$ -
30			(4) #5 x 16'-6" Top Bar	LBS	69	10%	76	0.00	0.00	\$ -	\$ -	\$ -	\$ -
31			#4 Cont. Bar @ 10" O.C	LBS	334	10%	367	0.00	0.00	\$ -	\$ -	\$ -	\$ -
32			#4 Ties @ 12" O.C	LBS	386	10%	425	0.00	0.00	\$ -	\$ -	\$ -	\$ -
			Reinforcement										
33			(3) #8 Bott. Bar	LBS	368	10%	405	0.00	0.00	\$ -	\$ -	\$ -	\$ -
34			(3) #8 x 12'-0" Top Bar	LBS	96	10%	106	0.00	0.00	\$ -	\$ -	\$ -	\$ -
35			(3) #8 x 16'-0" Top Bar	LBS	128	10%	141	0.00	0.00	\$ -	\$ -	\$ -	\$ -
36			(2) #8 x 8'-0" Top Bar	LBS	43	10%	47	0.00	0.00	\$ -	\$ -	\$ -	\$ -
37			(4) #5 x 13'-6" Top Bar	LBS	56	10%	62	0.00	0.00	\$ -	\$ -	\$ -	\$ -
38			#4 Cont. Bar @ 10" O.C	LBS	224	10%	247	0.00	0.00	\$ -	\$ -	\$ -	\$ -
39			#4 Ties @ 12" O.C	LBS	295	10%	325	0.00	0.00	\$ -	\$ -	\$ -	\$ -
<b>SPA</b>													

**DETAILED BREAKDOWN OF ITEMS**

Prepared for: 221 N Milwaukee Street Denver, CO 80206  
 Project ID:  
 Scope: Pool & SPA



Date: 6-Mar-24

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			<b>SLAB</b>										
40			Reinforcement: #5 @ 6" O.C EW	LBS	1402	10%	1542	0.00	0.00	\$ -	\$ -	\$ -	\$ -
41			#5 Bar x 6'-0" @ 12" O.C	LBS	300	10%	330	0.00	0.00	\$ -	\$ -	\$ -	\$ -
			<b>BEAM</b>										
42			Reinforcement (3) #9 Bott. Bar	LBS	439	10%	482	0.00	0.00	\$ -	\$ -	\$ -	\$ -
43			(6) #7 x 8'-0" Top Bar	LBS	98	10%	108	0.00	0.00	\$ -	\$ -	\$ -	\$ -
44			(2) #5 Cont. Top Bar	LBS	90	10%	99	0.00	0.00	\$ -	\$ -	\$ -	\$ -
45			#4 Cont. Bar @ 10" O.C	LBS	172	10%	190	0.00	0.00	\$ -	\$ -	\$ -	\$ -
46			#4 Ties @ 12" O.C	LBS	250	10%	275	0.00	0.00	\$ -	\$ -	\$ -	\$ -
47			Reinforcement (3) #9 Bott. Bar	LBS	296	10%	325	0.00	0.00	\$ -	\$ -	\$ -	\$ -
48			(6) #7 x 8'-0" Top Bar	LBS	98	10%	108	0.00	0.00	\$ -	\$ -	\$ -	\$ -
49			(2) #5 Cont. Top Bar	LBS	60	10%	67	0.00	0.00	\$ -	\$ -	\$ -	\$ -
50			#4 Cont. Bar @ 10" O.C	LBS	116	10%	128	0.00	0.00	\$ -	\$ -	\$ -	\$ -
51			#4 Ties @ 12" O.C	LBS	155	10%	171	0.00	0.00	\$ -	\$ -	\$ -	\$ -
											<b>SUBTOTAL \$</b>	-	
											<b>PROJECTED COST</b>	\$0	
<b>OVERHEAD AND PROFIT</b>											15%	\$0	
<b>INSURANCE</b>											0%	\$0	
<b>CONTINGENCY</b>											0%	\$0	
<b>TAX</b>											0%	\$0	
<b>SUGGESTED BID</b>												<b>\$0</b>	

