

ESTIMATING SUMMARY	
JOB NAME: COLD STONE SPRINGS WATER SUPPLY	
JOB NUMBER:	CUSTOMER: HARMAC
MANY STEP FTGS?	NO
MANY DIFFERENT B.S.E.	NO
ANY SLOPED WALLS?	NO
MANY JOGS IN THE WALLS?	NO
ANY SPECIAL COATING?	NO
CMU FILE SUB BID?	YES
ACCESSORIES	YES
SITE WORKS?	NO
ADDENDUMS?	YES
ALTERNATES?	NO
DETAILED IN ELEVATION?	NO INFO
EXCLUSION?	YES
WIRE MESH : ASTM A185	WWF LAP: 25%
DETAILING	
FABRICATION	
ADDITIONAL COMMENTS:	- QUALIFICATIONS SEE REPORT

DATE: 12/8/2022  
 BID DATE: 12/8/2022

**SUMMARY:**

REBARS	UNIT	BLACK	EPOXY	TOTAL
<b>BUILDING</b>	<b>Lbs</b>	<b>133279</b>	<b>0</b>	<b>133279</b>
MAT FOOTING	Lbs	31696		31696
CONTINUOUS FOOTING	Lbs	4136		4136
CONCRETE WALL	Lbs	56616		56616
SLAB ON GRADE	Lbs	6066		6066
CONCRETE SLAB	Lbs	20243		20243
MASONRY WALL	Lbs	14522		14522
<b>TOTAL</b>	<b>Lbs</b>	<b>133279</b>	<b>0</b>	<b>133279</b>

WIRE MESH	ELEMENT	UNIT	BLACK(25%LAP ADDED)	REMARKS
6X6-W2.9XW2.9WWF (5'-0" X 10'-0")	SLAB ON GRADE	Sqft	237	REF-S2.1

ACCESSORIES	ELEMENT	UNIT	BLACK	REMARKS
4"HT CHCU	SLAB ON GRADE	LFT	112	REF-S2.1
7½"HT CHCU	CONCRETE SLAB	LFT	408	REF-S2.1
0.75" SBU	CONCRETE SLAB	LFT	408	REF-S2.1

**-082 - COLD STONE SPRINGS WATER**

**Project Name:** COLD STONE SPRINGS WATER  
TOWN OF JAFFREY  
Jaffrey, NH 03452 USA

**Architect:** -  
**Engineer:** SUMMIT ENGINEERING  
**Customer:** HARMAC

**Job Type:** Lump Sum

**Estimator:** admin  
**Creation Date:** 12/7/2022  
**Last Modified:** 12/8/2022  
**Status:** Complete

**Escalation:** No

**Cover Page Comments:**

## ESTIMATING NOTES:

1. SPECIFICATIONS: GENERAL NOTES
2. ADDENDUMS: IFC NO -#1 DATED ON 10/28/2022  
IFC NO -#2 DATED ON 10/31/2022
3. ALTERNATES: NONE
4. MATERIALS:
  - REINFORCING STEEL TO BE (ASTM A615, GR. 60)
  - REINFORCING STEEL TO BE WELDED (ASTM A706, GR. 60)
  - WELDED WIRE FABRIC (ASTM A1064, GR.80)
5. SCOPE OF WORK INCLUSIONS:
  - \* BUILDING - MAT FOOTING, CONTINUOUS FOOTING, CONCRETE WALL, SLAB ON GRADE, CONCRETE SLAB & MASONRY WALL.
6. SPECIFIC EXCLUSIONS:
  - SMOOTH DOWELS.
  - WELDED BARS AND ALL WELDING.
  - MANHOLES, INLETS, ETC., IF ANY
  - STORM SEWER AND ELECTRICAL STRUCTURES NOT LISTED IN QUOTE.
  - PRECAST ELEMENTS.
  - HOUSEKEEPING PAD -(NO LOCATION)\_REF.S3.1
7. SPECIFIC ASSUMPTIONS: NONE
8. NOTES:
  - WE HAVE USED LAP AS PER THE ACI STANDARDS.
  - WE HAVE FOLLOWED THE CMU WALL VERTICAL REINFORCEMENT HEIGHT AS 4'0" LIFT+LAP.

**Drawing References:**

## BID SET:

## BUILDING

1. STRUCTURAL DWGS: S0.0 TO S3.5 (23 SHEETS) DATED 10/31/2022.

**-082 - COLD STONE SPRINGS WATER****Segment Summary**

<b>Segment</b>	<b>Rebar Wgt</b>	<b>Plain Wgt</b>	<b>Misc. Wgt</b>	<b>Total (Lbs)</b>	<b>Costing</b>
<b>Included Segments:</b>					
<b>BUILDING</b>	<b>133,279</b>	<b>0</b>	<b>0</b>	<b>133,279</b>	<b>No</b>
MAT FOOTING	31,696	0	0	31,696	No
CONTINUOUS FOOTING	4,136	0	0	4,136	No
CONCRETE WALL	56,616	0	0	56,616	No
SLAB ON GRADE	6,066	0	0	6,066	No
CONCRETE SLAB	20,243	0	0	20,243	No
MASONRY WALL	14,522	0	0	14,522	No

**- COLD STONE SPRINGS WATER****Estimate Defaults**

<b>Size Unit:</b> Imperial	<b>Building Code:</b> ACI 1983
<b>Length Unit:</b> Feet - Inches	<b>Concrete Strength:</b> 3000
<b>Weight Unit:</b> Pounds	<b>Lap Table:</b>
<b>Soft Hooks:</b> No	<b>Estimating Lap:</b> 48D
<b>Seismic Hooks:</b> No	<b>Steel Manufactured In:</b> ANY
	<b>Tie Clearance:</b> 0-012
	<b>Spiral Clearance:</b> 0-03
	<b>Spacing Tolerance:</b> 0-00
<b>Rebar Coating:</b> Black	<b>Rebar Grade:</b> 60
<b>Plain Coating:</b> Black	<b>Plain Grade:</b> 60
<b>Number of lap lengths to extend a stock bar before lapping:</b> 1	

**-082 - COLD STONE SPRINGS WATER**

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes	
1	GI	Segment: BUILDING Sub-Segment: MAT FOOTING																		
2	MT	2'-6" THK FOOTING -S2.0-(1750 SQ FT)																		
3	TR	RA		60		0-06	0-06	2	19/6	S	41-10	41-10					48D	40-00	21,364	#6 @6" EW T&B.
4	TR	BF		60	110			1	13/4	L	7-071								559	#4 STANDEES.
5	TR	BF		60		9-00	1-04	1	19/6	H	5-07								67	#6 @16" CMU DWLS.
6	TR	BF		60		160-00	0-06	2	19/6	H	6-06								6,267	#6 @6" DWLS.EF
7	TR	BF		60		77-00	0-06	2	19/6	H	6-06								3,026	#6 @6" DWLS.EF
8	MT	4" THK PUM PAD-(66 SQ FT)																		
9	TI	SQ FT		66				1									25.000%		0	4" THK PAD
10	TR	BF		60		68-00	0-06	1	25/8	L	1-00								366	#4 @8" DWLS.
11	TR	LS		60	1			1	13/4	S	68-00					0	48D	40-00	47	1-#4 CONT.
12	GI	Segment: BUILDING Sub-Segment: CONTINUOUS FOOTING																		
13	MT	2'-0" WIDE FOOTING-REF-O/S3.2-(185'-0" LFT)																		
14	TR	LS		60	3			1	19/6	S	153-00					0	3-01	40-00	745	3-#6 CONT.
15	TR	BF		60	186			1	19/6	S	2-00								559	#6 @12" TRANS.
16	TR	BF		60	104			2	19/6	H	6-04								1,978	#6 @12" D/V.EF
17	TR	BF		60	72			1	19/6	H	6-04								685	#6 @12" D/V.
18	TR	BF		60		31-00	1-04	1	19/6	H	4-06								169	#6 @16" CMU DWLS.
19	GI	Segment: BUILDING Sub-Segment: CONCRETE WALL																		
20	MT	12" THK WALL-REF-S2.0-(12'-0" H)-(160'-0" LFT)																		
21	TR	BF		60		160-00	0-06	2	19/6	S	12-00								11,573	#6 @6" VERT.EF
22	TR	LS		60		12-00	0-06	2	19/6	S	160-00					0	3-01	40-00	12,942	#6 @6" HORIZ.EF
23	TR	BF		60		12-00	0-06	12	19/6	H	6-02								2,779	#6 COR.EF
24	TR	BF		60		160-00	0-06	2	19/6	H	6-02								5,948	#6 @6" SLAB DWLS.EF
25	TR	BF		60		160-00	0-06	1	19/6	H	7-02								3,455	#6 @6" HAIRPIN.
26	TR	BF		60		160-00	1-04	1	19/6	S	5-05								984	#6 @16" CMU DWLS.
27	MT	12" THK CW-REF-S2.0-(12'-0" H)-(77'-0" LFT)																		
28	TR	BF		60		77-00	0-06	2	19/6	S	12-00								5,588	#6 @6" VERT.EF
29	TR	LS		60		12-00	0-06	2	19/6	S	77-00					0	3-01	40-00	6,246	#6 @6" HORIZ.EF
30	TR	BF		60		12-00	0-06	2	19/6	H	6-02								463	#6 COR.EF
31	TR	BF		60		77-00	0-06	2	19/6	H	6-02								2,872	#6 @6" SLAB DWLS.EF
32	MT	12" THK WALL-REF-S2.10-(4'-4" H)-(103'-0" LFT)																		
33	TR	LS		60	5			2	19/6	S	103-00					0	3-01	40-00	1,640	#6 @12" HORIZ.EF
34	TR	BF		60	5			6	19/6	H	6-02								278	#6 COR.EF
35	TR	BF		60		103-00	1-04	1	19/6	S	5-05								643	#6 @16" CMU DWLS.
36	MT	8" THK WALL-REF-W/S3.3-(71'-0" LFT)-(4'-4" H)																		
37	TR	LS		60	5			1	19/6	S	71-00					0	3-01	40-00	556	#6 @12" HORIZ.
38	TR	BF		60	6			4	19/6	H	6-02								222	#6 COR.
39	TR	BF		60		71-00	1-04	1	19/6	S	5-02								427	#6 @16" CMU DWLS.
40	GI	Segment: BUILDING Sub-Segment: SLAB ON GRADE																		
41	MT	12" THK SOG-REF-S2.1-(445 SQ FT)																		
42	TR	RA		60		1-00	1-00	2	19/6	S	21-033	21-033					48D	40-00	2,946	#6 @12" EW T&B.
43	TI	LFT		112				1											0	4" HT CHCU SOG
44	TR	BF		60	68			1	19/6	H	1-00								102	#6 @12" STEP BAR
45	TR	BF		60	2			2	19/6	S	3-09								23	2-#6 ADD'L
46	TR	BF		60	2			3	19/6	S	6-07								59	2-#6 ADD'L
47	MT	6" THK SOG-REF-S2.1-(284 SQ FT)																		
48	TR	RA		60		1-00	1-00	1	19/6	S	16-101	16-101					3-01	40-00	912	#6 @12" EW.
49	TR	BF		60	17			1	19/6	H	3-08								94	#6 @12" DWLS.
50	TR	BF		60	2			2	19/6	H	16-00								96	2-#6 DWLS.T&B
51	MT	6" THK SOG-REF-S2.1-(276 SQ FT)																		
52	TR	RA		60		1-00	1-00	1	19/6	S	16-071	16-071					3-01	40-00	898	#6 @12" EW.
53	MT	6" THK SOG-REF-S2.1-(171 SQ FT)																		
54	TR	RA		60		1-00	1-00	2	19/6	S	8-091	8-091					3-01	40-00	526	#6 @12" EW T&B.
55	MT	6" THK SOG REF-AQ/S3.1-(123 SQ FT)																		
56	TI	SQ FT		123				1									25.000%		0	6" THK SOG
57	TR	LS		60	1			2	16/5	S	74-00					0	48D	40-00	160	1-#5 CONT T&B
58	TR	BF		60	75			1	13/4	S	5-00								251	#4 @12" DWLS.
59	GI	Segment: BUILDING Sub-Segment: CONCRETE SLAB																		
60	MT	12" THK SLAB -REF-S2.1-(1630 SQ FT)																		
61	TR	RA		60		0-06	0-06	2	19/6	S	40-042	40-042					48D	40-00	19,890	#6 @6" EW T&B.

**-082 - COLD STONE SPRINGS WATER**

Line	Mat	Func	Placing	Grd	Qty	Span	Spcg	Mult	Size	Cls	L1	L2	L3	L4	L5	Lap	Stock	Lbs	Notes
62	TI	LFT			408		1		CHCU 7½									0	7½" HT CHCU SLAB
63	TI	LFT			408		1		SBU 0.75									0	0.75" HT SBU SLAB
64	TR	BF		60	2			2	19/6	S	10-05							63	2-#6 ADD'L
65	TR	BF		60	2			4	19/6	S	8-00							96	2-#6 ADD'L
66	TR	BF		60	2			2	19/6	S	12-00							72	2-#6 ADD'L
67	TR	BF		60	2			1	19/6	S	14-00							42	2-#6 ADD'L
68	TR	BF		60	2			2	19/6	S	8-00							48	2-#6 ADD'L
69	TR	BF		60		25-00	2-00	1	19/6	S	1-06							32	#6 @24" D/E
70	GI	Segment: BUILDING Sub-Segment: MASONRY WALL																	
71	MT	12" THK CMU WALL-REF-S3.5-(18'-0" H)-(143'-0" LFT)																	
72	TR	BF		60		143-00	1-04	1	19/6	S	30-00							4,912	#6 @16" VERT.
73	TR	BF		60	2			2	19/6	S	160-00							961	4-#6 BB.
74	TR	BF		60	2			5	19/6	S	30-00							451	2-#6 CJ BAR.
75	TR	BF		60	2			3	19/6	S	4-10							44	2-#6 LB.
76	TR	BF		60	3			1	19/6	S	13-06							61	3-#6 LB.
77	TR	BF		60		8-00	1-04	1	19/6	S	15-08							165	#6 @16" VERT.
78	TR	BF		60	3			1	19/6	S	7-08							35	3-#6 LB.
79	TR	BF		60	2			10	19/6	S	30-00							901	2-#6 JB EF
80	TR	BF		60	2			2	19/6	S	6-00							36	2-#6 COR.
81	TR	BF		60	2			1	19/6	S	30-00							90	2-#6 END BAR.
82	MT	8" THK CMU WALL-REF-S3.5-(10'-4" H)-(9'-0" LFT)																	
83	TR	BF		60		9-00	1-04	1	19/6	S	16-04							196	#6 @16" VERT.
84	TR	BF		60	2			1	19/6	S	9-00							27	2-#6 BB.
85	MT	12" THK CMU WALL-REF-S3.5-(12'-0" H)-(107'-0" LFT)																	
86	TR	BF		60		107-00	1-04	1	19/6	S	18-00							2,217	#6 @16" VERT.
87	TR	BF		60	2			1	19/6	S	107-00	6-00						339	2-#6 BB.
88	TR	BF		60	2			4	19/6	S	18-00							216	2-#6 CJ BAR.
89	TR	BF		60	2			3	19/6	S	4-10							44	2-#6 LB.
90	TR	BF		60	2			1	19/6	S	7-06							23	2-#6 LB.
91	TR	BF		60	2			8	19/6	S	18-00							433	2-#6 JB.EF
92	TR	BF		60	2			3	19/6	S	6-00							54	2-#6 COR.
93	MT	8" THK CMU WALL-REF-S3.5-(12'-0" H)-(116'-0" LFT)																	
94	TR	BF		60		116-00	1-04	1	19/6	S	18-00							2,379	#6 @16" VERT.
95	TR	BF		60	2			1	19/6	S	116-00	6-00						366	2-#6 BB.
96	TR	BF		60	2			4	19/6	S	18-00							216	2-#6 CJ BAR.
97	TR	BF		60	2			2	19/6	S	4-10							29	2-#6 LB.
98	TR	BF		60	2			4	19/6	S	18-00							216	2-#6 JB.EF
99	TR	BF		60	2			6	19/6	S	6-00							108	2-#6 COR.

**-082 - COLD STONE SPRINGS WATER**

Segment: BUILDING

Total for MAT FOOTING

\*\*\*\* Rebar Weight Summary (Lbs) \*\*\*\*

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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\*\* Grade 60, Black \*\*

13/4	606	47	0	559	27
19/6	30,724	21,364	9,360	0	0
25/8	366	0	0	366	0
	<u>31,696</u>	<u>21,411</u>	<u>9,360</u>	<u>925</u>	<u>27</u>

\*\*\*\* Miscellaneous Item Summary \*\*\*\*

\*\* Undefined Item Class - 'WIRE MESH' \*\*

MESH	6X6-W2.9XW2.9WWF-(5'-0"X10'-0")	82.500 SQ FT =	83.000 SQ FT @	0.000 / SQ FT = \$	0.00	0 Lbs
<b>Subtotal</b>				= \$	0.00	0 Lbs
<b>Grand Total</b>				= \$	0.00	0 Lbs

Total for CONTINUOUS FOOTING

\*\*\*\* Rebar Weight Summary (Lbs) \*\*\*\*

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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\*\* Grade 60, Black \*\*

19/6	4,136	1,304	2,832	0	721
	<u>4,136</u>	<u>1,304</u>	<u>2,832</u>	<u>0</u>	<u>721</u>

Total for CONCRETE WALL

\*\*\*\* Rebar Weight Summary (Lbs) \*\*\*\*

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
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\*\* Grade 60, Black \*\*

19/6	56,616	40,599	16,017	0	19,526
	<u>56,616</u>	<u>40,599</u>	<u>16,017</u>	<u>0</u>	<u>19,526</u>

**-082 - COLD STONE SPRINGS WATER**

**Total for SLAB ON GRADE**

**\*\*\*\* Rebar Weight Summary (Lbs) \*\*\*\***

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
<b>** Grade 60, Black **</b>					
13/4	251	251	0	0	0
16/5	159	159	0	0	83
19/6	5,656	5,364	292	0	0
	<u>6,066</u>	<u>5,774</u>	<u>292</u>	<u>0</u>	<u>83</u>

**\*\*\*\* Miscellaneous Item Summary \*\*\*\***

**\*\* Undefined Item Class - 'BAR SUPPORT' \*\***

CHCU 4	4"HT CHCU	112.000 LFT	=	112.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
<b>Subtotal</b>								= \$	0.00	0 Lbs

**\*\* Undefined Item Class - 'WIRE MESH' \*\***

MESH	6X6-W2.9XW2.9WWF-(5'-0"X10'-0")	153.750 SQ FT	=	154.000 SQ FT	@	0.000 / SQ FT	= \$	0.00	0 Lbs	
<b>Subtotal</b>								= \$	0.00	0 Lbs

<b>Grand Total</b>								= \$	0.00	0 Lbs
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**Total for CONCRETE SLAB**

**\*\*\*\* Rebar Weight Summary (Lbs) \*\*\*\***

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
<b>** Grade 60, Black **</b>					
19/6	20,243	20,243	0	0	0
	<u>20,243</u>	<u>20,243</u>	<u>0</u>	<u>0</u>	<u>0</u>

**\*\*\*\* Miscellaneous Item Summary \*\*\*\***

**\*\* Undefined Item Class - 'BAR SUPPORT' \*\***

CHCU 7½	7½"HT CHCU	408.000 LFT	=	408.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
SBU 0.75	0.75" HT SBU	408.000 LFT	=	408.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
<b>Subtotal</b>								= \$	0.00	0 Lbs

<b>Grand Total</b>								= \$	0.00	0 Lbs
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**Total for MASONRY WALL**

**\*\*\*\* Rebar Weight Summary (Lbs) \*\*\*\***

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
<b>** Grade 60, Black **</b>					
19/6	14,522	14,522	0	0	8,023
	<u>14,522</u>	<u>14,522</u>	<u>0</u>	<u>0</u>	<u>8,023</u>



**-082 - COLD STONE SPRINGS WATER**

**Total for Segment: BUILDING**

**\*\*\*\* Rebar Weight Summary (Lbs) \*\*\*\***

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
<b>** Grade 60, Black **</b>					
13/4	857	298	0	559	27
16/5	159	159	0	0	83
19/6	131,897	103,396	28,501	0	28,270
25/8	366	0	0	366	0
	<u>133,279</u>	<u>103,853</u>	<u>28,501</u>	<u>925</u>	<u>28,380</u>

**\*\*\*\* Miscellaneous Item Summary \*\*\*\***

**\*\* Undefined Item Class - 'BAR SUPPORT' \*\***

CHCU 4	4"HT CHCU	112.000 LFT	=	112.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
CHCU 7½	7½"HT CHCU	408.000 LFT	=	408.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
SBU 0.75	0.75" HT SBU	408.000 LFT	=	408.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
<b>Subtotal</b>								= \$	0.00	0 Lbs

**\*\* Undefined Item Class - 'WIRE MESH' \*\***

MESH	6X6-W2.9XW2.9WWF-(5'-0"X10'-0")	236.250 SQ FT	=	237.000 SQ FT	@	0.000 / SQ FT	= \$	0.00	0 Lbs	
<b>Subtotal</b>								= \$	0.00	0 Lbs
<b>Grand Total</b>								= \$	0.00	0 Lbs

**-082 - COLD STONE SPRINGS WATER**

## Estimate Totals

**\*\*\*\* Rebar Weight Summary (Lbs) \*\*\*\***

Size	Total	Straight	HEAVY	LIGHT	Stock Wgt
<b>** Grade 60, Black **</b>					
13/4	857	298	0	559	27
16/5	159	159	0	0	83
19/6	131,897	103,396	28,501	0	28,270
25/8	366	0	0	366	0
	<u>133,279</u>	<u>103,853</u>	<u>28,501</u>	<u>925</u>	<u>28,380</u>

**-082 - COLD STONE SPRINGS WATER**

## Estimate Totals

**\*\*\*\* Miscellaneous Item Summary \*\*\*\*****\*\* Undefined Item Class - 'BAR SUPPORT' \*\***

CHCU 4	4"HT CHCU	112.000 LFT	=	112.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
CHCU 7½	7½"HT CHCU	408.000 LFT	=	408.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
SBU 0.75	0.75" HT SBU	408.000 LFT	=	408.000 LFT	@	0.000 / LFT	= \$	0.00	0 Lbs	
<b>Subtotal</b>								= \$	0.00	0 Lbs

**\*\* Undefined Item Class - 'WIRE MESH' \*\***

MESH	6X6-W2.9XW2.9WWF-(5'-0"X10'-0")	236.250 SQ FT	=	237.000 SQ FT	@	0.000 / SQ FT	= \$	0.00	0 Lbs	
<b>Subtotal</b>								= \$	0.00	0 Lbs

<b>Grand Total</b>								= \$	0.00	0 Lbs
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