

PROJECT													REV-1		
ADDRESS		AMERICAN FALL ID AF LINE 7										O&P			
Date of Submission		8/12/2022		Please confirm/Add price for these items									10.00%		
Date of plans		6/27/2022		Please confirm inclusion in scope											
Comments		Please go through all the comments and exclusions													
BASE BID		\$ -													
SR #	DWG. NO.	DETAIL NO.	CSI NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR/EQUI P. COST	MATERIAL COST	SUBCONTRACTOR COST	TOTAL UNIT COST	TOTAL COST	SUBTOTALS	
	GENERAL REQUIREMENT														
1				General Requirements - Mobilization / Demobilization - Temporary facilities - Daily & Final clean up - Close out procedures & Documentation - Project management & Supervision - Coordination w/ other trades - Permit & Fees Testing of imported fill - Hydraulic calculations must include a hose allowance	1	0%	1	LS							
				Sub Total										\$ -	
	03 00 00 CONCRETE														
				FOUNDATION PLAN											
				PAD FOOTING											
2	03.S.00.01-66-88-	Detail		Concrete 3000 Psi	4680	10%	5,148	CY							
3	03.S.00.01-66-88-	Detail		Formwork	41378	10%	45,516	SFCA							
4	03.S.00.01-66-88-	Detail		Excavation	12178	10%	13,396	CY							
5	03.S.00.01-66-88-	Detail		Backfill	6340	10%	6,975	CY							
6	03.S.00.01-66-88-	Detail		Rebar	254791	10%	280,270	LB							
				Note: Please see backend tab for detail calculations											
				PEDESTAL											
7	03.S.00.01-66-88-	Detail		Concrete 4500 Psi	281	10%	309	CY							
8	03.S.00.01-66-88-	Detail		Formwork pedestal	7812	10%	8,593	SFCA							
9	03.S.00.01-66-88-	Detail		Rebar	56600	10%	62,261	LB							
				Note: Please see backend tab for detail calculations											
				CONTINUOUS FOOTINGS											
10	03.S.00.01-66-88-	Plan		Concrete 4000 Psi	168	10%	185	CY							
11	03.S.00.01-66-88-	Plan		Formwork continuous footing	3499	10%	3,849	SFCA							
12	03.S.00.01-66-88-	Plan		Excavation	1302	10%	1,433	CY							
13	03.S.00.01-66-88-	Plan		Backfill	1134	10%	1,248	CY							
14	03.S.00.01-66-88-	Plan		Rebar	11718	10%	12,889	LB							
				Note: Please see backend tab for detail calculations											
				CONCRETE WALLS											
15	03.S.00.01-66-88-	Plan		Concrete 4000 Psi	1075	10%	1,183	CY							
16	03.S.00.01-66-88-	Plan		Formwork wall	70072	10%	77,079	SFCA							
17	03.S.00.01-66-88-	Plan		waterstop	325	10%	358	LF							
18	03.S.00.01-66-88-	Plan		Rigid insulation	25010	10%	27,511	SF							

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SR #	DWG. NO.	DETAIL NO.	CSI NO.	DESCRIPTION	QTY.	WAST E	QTY. W/ WASTE	UNIT	LABOR/EQUI P. COST	MATERIAL COST	SUBCONTRAC TOR COST	TOTAL UNIT COST	TOTAL COST	SUBTOTALS
19	03.S.00.01-66-88-	Plan		Rebar	164605	10%	181,065	LB						
				Note: Please see backend tab for detail calculations										
				SOG										
				4" Thick slab on grade Note 1										
20	03.S.00.01-66-88-	Note1	1773 CY	4" Thick slab 4000 Psi	127972	10%	140,769	SF						
21	03.S.00.01-66-88-	Note1		4" Edge form	5047	10%	5,552	LF						
22	03.S.00.01-66-88-	Note1		6" Gravel	2370	10%	2,607	CY						
23	03.S.00.01-66-88-	Note1		Waterproofing membrane	127972	10%	140,769	SF						
24	03.S.00.01-66-88-	Note1		Saw cut control joints	20476	10%	22,523	LF						
25	03.S.00.01-66-88-	Note1		Expansion joint	10238	10%	11,262	LF						
26	03.S.00.01-66-88-	Note1		Fibrous Reinforced 25 Lb/CY	44325	10%	48,758	LB						
				8" Thick slab on grade Note 5 Option 1										
27	03.S.00.01-66-88-	Note 5	2350 CY	8" Thick slab 4000 Psi	86093	10%	94,702	SF						
28	03.S.00.01-66-88-	Note 5		8" Edge form	2724	10%	2,996	LF						
29	03.S.00.01-66-88-	Assume		6" Gravel	1594	10%	1,754	CY						
30	03.S.00.01-66-88-	Note 5		Waterproofing membrane	86093	10%	94,702	SF						
31	03.S.00.01-66-88-	Note 5		Saw cut control joints	13775	10%	15,152	LF						
32	03.S.00.01-66-88-	Note 5		Expansion joint	6887	10%	7,576	LF						
33	03.S.00.01-66-88-	Note 5		Fibrous Reinforced 40 Lb/CY	94000	10%	103,400	LB						
				Note: Note 5 for slab on grade shows two specification 40 Lb fibrous reinforcement or @4 @ 24" O.C bar Ew therefore we have provided both option please confirm.										
				20" Thick slab on grade										
34	03.S.00.01-66-88-	Plan	4 CY	20" Thick slab 4000 Psi	64	10%	70	SF						
35	03.S.00.01-66-88-	Plan		Formwork Perimeter	95	10%	105	SFCA						
36	03.S.00.01-66-88-	Plan		6" Gravel	1	10%	1	CY						
37	03.S.00.01-66-88-	Plan		Waterproofing membrane	64	10%	70	SF						
38	03.S.00.01-66-88-	Plan		Saw cut control joints	10	10%	11	LF						
39	03.S.00.01-66-88-	Plan		Expansion joint	5	10%	6	LF						
40	03.S.00.01-66-88-	Plan		#6 @ 12" o.c. Each way top and bottom	461	10%	508	LB						
				MAT FOOTING										
				14" Thick Mat slab at Boiler										
41	03.S.00.01-66-88-	Plan	22 CY	14" Thick Mat slab at Boiler concrete (4000 Psi)	470	10%	517	SF						
42	03.S.00.01-66-88-	Plan		Formwork mats	130	10%	143	SFCA						
43	03.S.00.01-66-88-	Plan		#5 @ 12" O.C EW	1177	10%	1,294	LB						
				18" Thick Mat slab										
44	03.S.00.01-66-88-	Plan	64 CY	18" Thick Mat slab concrete (4000 Psi)	1046	10%	1,150	SF						
45	03.S.00.01-66-88-	Plan		Formwork mats	200	10%	219	SFCA						
46	03.S.00.01-66-88-	Plan		#5 @ 10" O.C EW T&B	6306	10%	6,937	LB						
				24" Thick Mat slab At oil Tank										
47	03.S.00.01-66-88-	Plan	262 CY	24" Thick Mat slab concrete (4000 Psi)	3218	10%	3,540	SF						
48	03.S.00.01-66-88-	Plan		Formwork mats	454	10%	499	SFCA						

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49	03.S.00.01-66-88-	Plan		#6 @ 10" O.C EW T&B	27952	10%	30,748	LB							
				24" Thick Mat slab at waste Pit											
50	03.S.00.01-66-88-	Plan	78 CY	24" Thick Mat slab concrete (4000 Psi)	961	10%	1,057	SF							
51	03.S.00.01-66-88-	Plan	8 CY	9" Topping concrete (4000 Psi)	270	10%	297	SF							
52	03.S.00.01-66-88-	Plan		Formwork mats	256	10%	282	SFCA							
53	03.S.00.01-66-88-	Plan		#6 @ 9" O.C EW T&B	9238	10%	10,162	LB							
54	03.S.00.01-66-88-	Plan		Excavation	463	10%	509	CY							
55	03.S.00.01-66-88-	Plan		Backfill	123	10%	136	CY							
				30" Thick Mat slab at Boiler											
56	03.S.00.01-66-88-	Plan	22 CY	30" Thick Mat slab concrete (4000 Psi)	218	10%	240	SF							
57	03.S.00.01-66-88-	Plan		Formwork mats	153	10%	168	SFCA							
58	03.S.00.01-66-88-	Plan		#6 @ 12" O.C EW T&B	1572	10%	1,729	LB							
				30" Thick Mat slab at Hot water tank											
59	03.S.00.01-66-88-	Plan	41 CY	30" Thick Mat slab concrete (4000 Psi)	406	10%	447	SF							
60	03.S.00.01-66-88-	Plan		Formwork mats	203	10%	223	SFCA							
61	03.S.00.01-66-88-	Plan		#7 @ 12" O.C EW T&B	3983	10%	4,382	LB							
				36" Thick Mat slab at Hot water tank											
62	03.S.00.01-66-88-	Plan	12 CY	30" Thick Mat slab concrete (4000 Psi)	95	10%	105	SF							
63	03.S.00.01-66-88-	Plan		Formwork mats	120	10%	132	SFCA							
64	03.S.00.01-66-88-	Plan		#7 @ 12" O.C EW T&B	932	10%	1,025	LB							
				18" Thick Mat slab at Mud Pit											
65	03.S.00.01-66-88-	Plan	69 CY	18" Thick Mat slab concrete (4000 Psi)	1128	10%	1,241	SF							
66	03.S.00.01-66-88-	Plan		Formwork mats	411	10%	452	SFCA							
67	03.S.00.01-66-88-	Plan		#6 @ 9" O.C EW T&B	10843	10%	11,928	LB							
68	03.S.00.01-66-88-	Plan		Excavation	543	10%	597	CY							
69	03.S.00.01-66-88-	Plan		Backfill	264	10%	290	CY							
				15" Thick Mat slab at Washdown Pit											
70	03.S.00.01-66-88-	Plan	19 CY	15" Thick Mat slab concrete (4000 Psi)	378	10%	416	SF							
71	03.S.00.01-66-88-	Plan		Formwork mats	218	10%	239	SFCA							
72	03.S.00.01-66-88-	Plan		#5 @ 9" O.C EW T&B	2523	10%	2,776	LB							
73	03.S.00.01-66-88-	Plan		Excavation	105	10%	116	CY							
74	03.S.00.01-66-88-	Plan		Backfill	168	10%	184	CY							
				EQUIPEMENT PAD3											
				6" Thick Pad											
75	03.S.00.01-66-88-	Plan	20 CY	6" thick Pad at concrete (4000 Psi)	964	10%	1,060	SF							
76	03.S.00.01-66-88-	Plan		6" Edge form	289	10%	318	LF							
77	03.S.00.01-66-88-	Plan		#4 @ 12" O.C EW	1545	10%	1,700	LB							
78	03.S.00.01-66-88-	Plan		#4 dowels @ 12" O.C	581	10%	639	LB							
79															
				PEDESTAL AT HOT WATER TAK											
				42" Thick Pad											
80	03.S.00.01-66-88-	Plan	25 CY	42" thick Pad at concrete (4000 Psi)	174	10%	191	SF							
81	03.S.00.01-66-88-	Plan		Formwork	168	10%	185	LF							

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82	03.S.00.01-66-88-	Plan		#5 dowels @ 12" O.C Ew	218	10%	240	LB						
83				CURB										
84	03.S.00.01-66-88-	C2/03.S05.03		Concrete (4000 Psi)	20	10%	22	CY						
85	03.S.00.01-66-88-	C2/03.S05.03		Formwork curb	912	10%	1,003	SFCA						
86	03.S.00.01-66-88-	C2/03.S05.03		#4 @ 12" O.C vert bar	366	10%	402	LB						
87	03.S.00.01-66-88-	C2/03.S05.03		#4 @ 12" O.C continuous bar	457	10%	503	LB						
88	03.S.00.01-66-88-	C2/03.S05.03		Drill & Epoxy dowel	115	10%	127	EA						
89				CONCRETE TRENCHES WALL										
90				Concrete 4000 Psi	347	10%	382	CY						
91				Formwork wall	15,627	10%	17,190	SFCA						
92				Rebar	17,225	10%	18,947	LB						
				Note: Please see backend tab for detail calculations										
				CONCRETE TRENCHES FOOTINGS										
93				Concrete 3000 Psi	100	10%	110	CY						
94				Formwork Footings	677	10%	745	SFCA						
95				Excavation	810	10%	891	CY						
96				Backfill	72	0%	72	CY						
97				Rebar	6,785	0%	6,785	LB						
				Note: Please see backend tab for detail calculations										
				TOPPING SLABS										
				SLAB NOTE E1										
				4.5" Normal weight concrete on (VLI) composite 20 Ga metal deck Total thickness 6"										
98	03.S.00.01-66-88-S.0701	Plan	156 CY	4.5" Normal weight concrete (4000 Psi) on (VLI) composite 20 Ga metal deck Total thickness 6"	8728	10%	9,601	SF						
99	03.S.00.01-66-88-	Plan		4.5" Pour stop	1100	10%	1,210	LF						
100	03.S.00.01-66-88-	Plan		#4 @ 14" o.c. Each way	13993	10%	15,392	LB						
101	03.S.00.01-66-88-	Plan		Saw cut control joints	1396	10%	1,536	LF						
		5.25		SLAB NOTE E2										
				7" THICK Topping slab over Precast Planks										
102	03.S.00.01-66-88-	Plan	816 CY	7" Thick concrete slab (4000 Psi) Psi	34515	10%	37,967	SF						
103	03.S.00.01-66-88-	Plan		7" Edge form	3354	10%	3,689	LF						
104	03.S.00.01-66-88-	Plan		#4 @ 12" o.c. Each way	55334	10%	60,868	LB						
105	03.S.00.01-66-88-	Plan		Saw cut control joints	5522	10%	6,075	LF						
		5.25		SLAB NOTE E3										
				8" Thick Built up slab over Precast Planks										
106		Plan	116 CY	8" Thick concrete slab 4000 Psi	4254	10%	4,679	SF						
107	03.S.00.01-66-88-	Plan		8" Edge form	574	10%	631	LF						

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108	03.S.00.01-66-88-	Plan		Saw cut control joints	681	10%	749	LF						
109	03.S.00.01-66-88-	Plan		2'-0" Deep Geo foam filler	3052	10%	3,357	SF						
110	03.S.00.01-66-88-	Plan		2'-0" Deep Geo foam filler	1201	10%	1,321	SF						
				SLAB NOTE E4										
				5" Thick Topping slab over Precast Planks										
111	03.S.00.01-66-88-	Plan	80 CY	5" Thick concrete slab (4000 Psi) Psi	4667	10%	5,134	SF						
112	03.S.00.01-66-88-	Plan		5" Edge form	843	10%	927	LF						
113	03.S.00.01-66-88-	Plan		#4 @ 12" o.c. Each way	7482	10%	8,230	LB						
114	03.S.00.01-66-88-	Plan		Saw cut control joints	747	10%	821	LF						
115	03.S.00.01-66-88-	Plan		Rigid insulation	4667	10%	5,134	SF						
				SLAB NOTE E5										
				6" Thick Topping slab over Precast Planks										
116	03.S.00.01-66-88-	Plan	59 CY	6" Thick concrete slab (4000 Psi) Psi	2908	10%	3,199	SF						
117	03.S.00.01-66-88-	Plan		5" Edge form	402	10%	442	LF						
118	03.S.00.01-66-88-	Plan		#4 @ 12" o.c. Each way	4662	10%	5,128	LB						
119	03.S.00.01-66-88-	Plan		Saw cut control joints	465	10%	512	LF						
				CONCRETE STARS										
				STAIR 1										
				Item: Concrete Stair Steps C2/03.S0.5.021 Width: 3'-4" Tread: 0'-11" Riser: 0'-7" Steps: 88 EA Waste slab Area= 293 SF										
120	03.S.00.01-66-88-S.0701	C2/03.S0.5.21		Stair Concrete(4000 PSI)	6	10%	6	CY						
121	03.S.00.01-66-88-S.0701	C2/03.S0.5.21		(1) #4 Each nose	214	10%	236	LB						
122	03.S.00.01-66-88-S.0701	C2/03.S0.5.21		Formwork -Stair	240	10%	264	SFCA						
123	03.S.00.01-66-88-S.0701	C2/03.S0.5.21		No of step	80	0%	80	EA						
				6" Thick Stair waist slab										
124	03.S.00.01-66-88-S.0701	C2/03.S0.5.21	6 CY	Stair Landings Concrete (4000 Psi)	293	10%	322	SF						
125	03.S.00.01-66-88-S.0701	C2/03.S0.5.21		#4 @ 12" O.C. Bars in slab	470	10%	517	LB						
126	03.S.00.01-66-88-S.0701	C2/03.S0.5.21		Under slab formwork	293	10%	322	SF						

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127	03.S.00.01-66-88-S.0701	C2/03.S0.5.21		Shoring/Reshoring for Slabs	293	10%	322	SF						
128	03.S.00.01-66-88-S.0701	C2/03.S0.5.21		6" Edge form	297	10%	327	LF						
				STAIR WALL										
129	03.S.00.01-66-88-	C2/03.S05.021		Concrete (4000 Psi)	16	10%	18	CY						
130	03.S.00.01-66-88-	C2/03.S05.021		Formwork wall	1284	10%	1,412	SFCA						
131	03.S.00.01-66-88-	C2/03.S05.021		#4 @ 12" O.C vert bar	686	10%	755	LB						
132	03.S.00.01-66-88-	C2/03.S05.021		#4 @ 12" O.C continuous bar	686	10%	755	LB						
133	03.S.00.01-66-88-	C2/03.S05.021		Drill & Epoxy dowel	215	10%	237	EA						
134														
				SPOIL HAULAGE										
135			8038	Spoil haulage for footers (12 CY/Load)	670	0%	670	LOD						
			S											
				Sub Total										\$ -
TOTAL													\$ -	\$ -
SALES & USE TAX (MATERIAL)												0.000%	\$ -	
BASE BID													\$ -	
				SOG OPTION 2										
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136	03.S.00.01-66-88-	Note 5	2350 CY	8" Thick slab 4000 Psi	86093	10%	94,702	SF						
137	03.S.00.01-66-88-	Note 5		8" Edge form	2724	10%	2,996	LF						
138	03.S.00.01-66-88-	Assume		6" Gravel	1594	10%	1,754	CY						
139	03.S.00.01-66-88-	Note 5		Waterproofing membrane	86093	10%	94,702	SF						
140	03.S.00.01-66-88-	Note 5		Saw cut control joints	13775	10%	15,152	LF						
141	03.S.00.01-66-88-	Note 5		Expansion joint	6887	10%	7,576	LF						
142	03.S.00.01-66-88-	Plan		#4 @ 24" o.c. Each way	69012	10%	75,913	LB						
TOTAL													\$ -	\$ -
SALES & USE TAX (MATERIAL)												0.000%	\$ -	
OPTION 2 SLAB													\$ -	
EXCLUSIONS:														
Anything not mentioned above														