

PROJECT: **STORY COUNTY SHERIFF RANGE HOUSE**
 OWNER: **STORY COUNTY, IOWA**
 ARCHITECT: **RMH ARCHITECTS**

LOCATION: **NEVADA, IOWA**
 DATE: **FEBRUARY 15, 2023**
 STATUS: **REVISED SCHEMATIC**

DESCRIPTION OF WORK	TOTAL	%OF TOTAL
*** DIVISION 1 - GENERAL REQUIREMENTS ***	85,756	6.80%
*** DIVISION 2 - EXISTING CONDITIONS ***		
*** DIVISION 3 - CONCRETE ***	116,199	9.21%
*** DIVISION 4 - MASONRY ***	42,856	3.40%
*** DIVISION 5 - METALS ***	6,277	0.50%
*** DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES ***	98,238	7.79%
*** DIVISION 7 - THERMAL & MOISTURE PROTECTION ***	178,469	14.15%
*** DIVISION 8 - OPENINGS ***	44,340	3.52%
*** DIVISION 9 - FINISHES ***	147,927	11.73%
*** DIVISION 10 - SPECIALTIES ***	13,769	1.09%
*** DIVISION 11 - EQUIPMENT ***	55,548	4.40%
*** DIVISION 12 - FURNISHINGS ***	1,784	0.14%
*** DIVISION 13 - SPECIAL CONSTRUCTION ***		
*** DIVISION 14 - CONVEYING SYSTEMS ***		
*** DIVISION 21 - FIRE SUPPRESSION ***	25,640	2.03%
*** DIVISION 22 - PLUMBING ***	61,536	4.88%
*** DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING ***	153,840	12.20%
*** DIVISION 25 - INTEGRATED AUTOMATION ***		
*** DIVISION 26 - ELECTRICAL ***	102,560	8.13%
*** DIVISION 27 - COMMUNICATIONS ***	10,256	0.81%
*** DIVISION 28 - ELECTRONIC SAFETY AND SECURITY ***	10,256	0.81%
*** DIVISION 31 - EARTHWORK ***	28,137	2.23%
*** DIVISION 32 - EXTERIOR IMPROVEMENTS ***	28,459	2.26%
*** DIVISION 33 - UTILITIES ***	49,500	3.92%
*** DIVISION 34 - TRANSPORTATION ***		
*** DIVISION 35 - WATERWAY AND MARINE CONSTRUCTION ***		
	\$1,261,347	
CONTRACTOR'S MARKUP ON NET GENERAL COSTS OF	897,259 @ 10.00%	89,726
CONTRACTOR'S MARKUP ON NET MECH/ELEC COSTS OF	364,088 @ 5.00%	18,204
		1,369,277
DESIGN CONTINGENCY	1,261,347 @ 10.00%	126,135
ESTIMATE TOTAL		\$1,495,412

POTENTIAL REDUCTION FOR EXEMPTION OF 6% STATE SALES TAXES

\$32,700 - \$40,000

BUILDING PARAMETERS

- SQUARE FOOT

4,662 SF

\$320.78 /SF

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SITework	140,769	9.41%
GENERAL CONSTRUCTION	935,942	62.59%
MECHANICAL CONSTRUCTION	277,168	18.53%
ELECTRICAL CONSTRUCTION	141,533	9.46%
COST ESTIMATE TOTAL	\$1,495,412	
POTENTIAL REDUCTION FOR EXEMPTION OF 6% STATE SALES TAXES	-\$36,347	

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1	*** DIVISION 1 - GENERAL REQUIREMENTS ***				
2					
3	PROJECT SIGN	1	LS	1100.00	1100
4	TEMPORARY FACILITIES - ELECTRICITY	1	LS	4400.00	4400
5	" " - WATER	1	LS	2200.00	2200
6	" " - SANITARY	1	LS	1650.00	1650
7	" " - HEAT - NOTHING REQUIRED				
8	" " - STORAGE - NOTHING REQUIRED				
9	CONSTRUCTION WASTE MANAGEMENT	1	LS	5500.00	5500
10	GENERAL EQUIPMENT & TOOL EXPENSE	1	LS	13376.00	13376
11	JOB SUPERVISION & FIELD OFFICES	1	LS	30580.00	30580
12	ENGINEERING & LAYOUT, SITE SURVEY	1	LS	5500.00	5500
13	SOIL & CONCRETE TESTING	1	LS	3850.00	3850
14	BOND & MISC FEES	1	LS	13200.00	13200
15	BUILDING PERMIT - UBC SCHEDULE	1	LS	4400.00	4400
16					
17					
18					
19					
20					
21					
22	*** DIVISION 2 - EXISTING CONDITIONS ***				
23					
24	NOTHING REQUIRED				
25					
26					
27					
28					
29					
30					
31	*** DIVISION 3 - CONCRETE ***				
32					
33	BUILDING FOOTINGS				
34	- 3' X 1'	371	LF	56.11	20790
35					
36	EXTERIOR COLUMN FOOTING PADS - 12"	72	SF	20.90	1505
37	- PIERS - 8" X 8" X 36	8	EA	137.39	1099
38					
39	CONCRETE FOUNDATION WALLS - 12"	1297	SF	22.72	29457
40					
41	FOOTINGS @ CMU PARTITIONS - 2' X 1'	139	LF	37.62	5237
42					
43	SLAB-ON-GRADE - 4" W/6" GRANULAR FILL, MESH & POLY	3023	SF	5.31	16047
44	- 12" @ GARAGE W/6" GRAN. FILL, MESH & POLY	1638	SF	10.07	16500
45					

SUBTOTAL DIV. 1

85756

SUBTOTAL DIV. 2

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46	STOOPS				
47	- FOUNDATION WALLS W/EXCAVATION - 8" X 4'	60	LF	58.41	3505
48	- SLABS - 5" ON 4" VOID FORM	100	SF	7.19	719
49					
50	MISC. CONCRETE	1	LS	2750.00	2750
51					
52					
53	PRECAST CONCRETE				
54	HOLLOW CORE SLABS - 8"	828	SF	22.46	18590
55					
56					
57					
58					
59	SUBTOTAL DIV. 3				116199
60					
61					
62	*** DIVISION 4 - MASONRY ***				
63					
64	CMU PARTITIONS - 8"	1812	SF	20.90	37873
65	- ADD FOR GROUTING SOLID	1812	SF	2.75	4983
66					
67					
68					
69					
70	SUBTOTAL DIV. 4				42856
71					
72					
73	*** DIVISION 5 - METALS ***				
74					
75	STRUCTURAL STEEL COLUMNS				
76	- 5X5X1/4 X 8'0	8	EA	592.90	4743
77					
78	PIPE BOLLARDS W/CONCRETE FILL - 8"	2	EA	766.70	1533
79					
80					
81					
82	SUBTOTAL DIV. 5				6277
83					
84					
85	*** DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES ***				
86					
87	EXTERIOR WALL FRAMING				
88	- 2X6 @ 16" O.C.	4378	SF	5.10	22321
89	- LVLs @ OPENINGS	132	LF	17.33	2282
90					

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91	ROOF TRUSS FRAMING - 24" O.C.	5697	SF	7.40	42143
92	- BEAM/LVL FRAMING	98	LF	17.33	1703
93	- BRACING	483	LF	2.39	1156
94	- FASCIA FRAMING	437	LF	4.19	1831
95					
96	LEAN-TO ROOF				
97	- BEAM/LVL FRAMING	26	LF	17.33	452
98	- TRUSS FRAMING	62	SF	8.31	516
99	- FASCIA FRAMING	26	LF	4.19	107
100					
101	EXTERIOR WALL SHEATHING - 1/2" PLYWOOD	4736	SF	2.69	12737
102					
103	ROOF PURLINS - 2X4 @ 4'0 O.C.	1964	LF	2.39	4699
104					
105	INTERIOR PARTITION FRAMING - 2X4 @ 16" O.C.	840	SF	4.05	3402
106					
107					
108					
109	FINISH CARPENTRY				
110	WINDOW SILLS	54	LF	40.59	2192
111					
112	GUN CLEANING				
113	- PL. LAM. BASE CABINETS W/SOLID SURFACE TOPS	24	SF	111.87	2697
114					
115					
116					
117					
118	SUBTOTAL DIV. 6				98238
119					
120					
121	*** DIVISION 7 - THERMAL & MOISTURE PROTECTION ***				
122					
123	PERIMETER INSULATION - 2"	1330	SF	3.88	5156
124					
125					
126	STANDING SEAM METAL ROOFING	6620	SF	11.00	72818
127	- RIDGE	123	LF	16.50	2032
128	- ROOF EDGE	437	LF	3.30	1441
129	- METAL FASCIA	437	LF	5.50	2402
130					
131	CORRUGATED METAL SIDING	4517	SF	8.80	39747
132	- CORNER TRIM	70	LF	16.50	1155
133	- TRIM @ DOORS & WINDOWS	330	LF	16.50	5437
134					
135	SOFFITS - 1"	1153	SF	7.70	8876

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136					
137	GUTTERS	245	LF	16.50	4044
138	DOWNSPOUTS	116	LF	16.50	1914
139					
140	SPLASH BLOCKS	10	EA	131.34	1313
141					
142	AIR/WATER MEMBRANE @ EXTERIOR WALLS	4378	SF	1.37	5996
143					
144	BATT INSULATION @ EXTERIOR WALLS - 3 1/2"	2082	SF	1.05	2181
145	- 5 1/2"	2296	SF	1.40	3224
146					
147	R-38 BLOWN-IN INSULATION @ ATTIC SPACES	4662	SF	3.03	14102
148					
149	SOUND BATT INSULATION @ INTERIOR PARTITIONS - 3"	840	SF	1.34	1129
150					
151					
152	CAULKING & SEALANTS	1	LS	5500.00	5500
153					
154					
155					
156					
157					
158	SUBTOTAL DIV. 7				178469
159					
160					
161	*** DIVISION 8 - OPENINGS ***				
162					
163	EXTERIOR DOORS				
164	- HM DOOR FRAMES - 3'4 X 7'2	5	EA	474.38	2372
165	- HM DOOR FRAMES W/SIDELIGHT - 5'4 X 7'2	1	EA	757.90	758
166	- HM DOORS - 3' X 7'	2	EA	533.78	1068
167	- HM DOORS - 3' X 7' W/1/2 GLASS LITE	3	EA	789.80	2369
168	- HM DOOR W/FULL GLASS LITE	1	EA	999.90	1000
169	- FINISH HARDWARE	6	EA	661.65	3970
170					
171	METAL INSULATED OVERHEAD DOORS W/OPERATORS				
172	- 16' X 12'	1	EA	8250.00	8250
173					
174	INTERIOR DOORS				
175	- HM DOOR FRAMES - 3'4 X 7'2	6	EA	474.38	2846
176	- HM DOOR FRAMES W/SIDELIGHT - 5'4 X 7'2	2	EA	757.90	1516
177	- HM DOORS - 3' X 7'	6	EA	533.78	3203
178	- HM DOORS W/FUULL GLASS LITES	2	EA	999.90	2000
179	- FINISH HARDWARE	8	EA	533.78	4270
180					

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181	HOLLOW METAL FRAMED WINDOWS - FIXED				
182	- 6'0 X 4'2	4	EA	1414.88	5660
183	- 4'0 X 4'2	3	EA	956.18	2869
184	- 6'0 X 1'8	3	EA	730.13	2190
185					
186					
187					
188					
189					
190	SUBTOTAL DIV. 8				44340
191					
192					
193	*** DIVISION 9 - FINISHES ***				
194					
195	GYPBOARD @ EXTERIOR WALLS - 5/8" W/POLY	4378	SF	6.05	26487
196					
197	GYPBOARD @ INTERIOR PARTITIONS - 5/8"	1680	SF	5.50	9237
198					
199	GYPBOARD W/FURRING @ CMU WALLS - 5/8"	1151	SF	6.60	7600
200					
201	SUSPENDED GYPBOARD CEILINGS - 5/8"	561	SF	11.00	6171
202					
203	GYPBOARD @ BOTTOM OF TRUSSES - 5/8"	4662	SF	6.05	28204
204					
205	GYPBOARD BULKHEADS	10	LF	55.00	530
206					
207					
208	EPOXY FLOORING	3023	SF	11.00	33257
209	RUBBER BASE	360	LF	4.95	1781
210					
211					
212	PAINTING				
213	- GYPBOARD	12441	SF	1.65	20528
214	- CMU	1926	SF	2.75	5298
215	- DOORS & FRAMES	14	EA	330.00	4620
216	- WINDOWS	10	EA	165.00	1650
217	- MISC. PAINTING	4662	SF	0.55	2564
218					
219					
220					
221					
222					
223	SUBTOTAL DIV. 9				147927
224					
225					

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226	*** DIVISION 10 - SPECIALTIES ***				
227					
228	VISUAL DISPLAY BOARDS - ALLOWANCE	1	LS	2750.00	2750
229					
230	DOOR SIGNAGE	9	EA	119.46	1075
231					
232	TOILET PARTITIONS - HDPE	1	EA	1625.25	1625
233	- ADA	2	EA	1762.20	3524
234					
235	TOILET ACCESSORIES				
236	- GRAB BARS	6	EA	110.72	664
237	- TOILET PAPER DISPENSERS	3	EA	77.88	234
238	- SANITARY NAPKIN DISPOSALS	2	EA	83.82	168
239	- MIRRORS	28	SF	22.00	616
240	- SOAP DISPENSERS	2	EA	116.66	233
241	- PAPER TOWEL DISPENSERS	2	EA	83.82	168
242	- COAT HOOKS	3	EA	35.97	108
243	- TOWEL/CLOTHES HOOKS @ SHOWERS	4	EA	35.97	144
244	- SHOWER CURTAIN W/ROD	2	EA	134.48	269
245					
246	FIRE EXTINGUISHERS W/CABINETS	4	EA	547.80	2191
247					
248	ALL OTHER SPECIALTIES BY OWNER				
249					
250					
251					
252	SUBTOTAL DIV. 10				13769
253					
254					
255	*** DIVISION 11 - EQUIPMENT ***				
256					
257	STORAGE CABINETS @ ARMORY/SHOP	187	SF	155.76	29115
258					
259	GUN CLEANING STATIONS - ALLOWANCE	21	EA	1100.00	23100
260					
261	GUN CLEANING - STACKED WASHER/DRYER	1	EA	1963.50	1964
262	- METAL LOCKERS	4	EA	342.38	1370
263					
264	ALL OTHER EQUIPMENT BY OWNER				
265					
266					
267					
268	SUBTOTAL DIV. 11				55548
269					
270					

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271	*** DIVISION 12 - FURNISHINGS ***				
272					
273	WINDOW BLINDS	180	SF	9.90	1784
274					
275	ALL OTHER FURNISHINGS BY OWNER				
276					
277					
278					
279					
280	SUBTOTAL DIV. 12				1784
281					
282					
283	*** DIVISION 13 - SPECIAL CONSTRUCTION ***				
284					
285	NOTHING REQUIRED				
286					
287					
288					
289					
290	SUBTOTAL DIV. 13				
291					
292					
293	*** DIVISION 14 - CONVEYING SYSTEMS ***				
294					
295	NOTHING REQUIRED				
296					
297					
298					
299					
300					
301	SUBTOTAL DIV. 14				
302					
303					
304	*** DIVISION 21 - FIRE SUPPRESSION ***				
305					
306	MECHANICAL ESTIMATE BY BREWER ENGINEERING				
307	FIRE PROTECTION	4662	SF	5.50	25640
308					
309					
310					
311					
312					
313	SUBTOTAL DIV. 21				25640
314					
315					

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316	*** DIVISION 22 - PLUMBING ***				
317					
318	MECHANICAL ESTIMATE BY BREWER ENGINEERING				
319	PLUMBING	4662	SF	13.20	61536
320					
321					
322					
323					
324	SUBTOTAL DIV. 22				<u>61536</u>
325					
326					
327	*** DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING ***				
328					
329	MECHANICAL ESTIMATE BY BREWER ENGINEERING				
330	HVAC	4662	SF	33.00	153840
331					
332					
333					
334					
335	SUBTOTAL DIV. 23				<u>153840</u>
336					
337					
338	*** DIVISION 25 - INTEGRATED AUTOMATION ***				
339					
340	MECHANICAL ESTIMATE BY BREWER ENGINEERING				
341	INCLUDED W/DIVISION 23				
342					
343					
344					
345					
346	SUBTOTAL DIV. 25				<u></u>
347					
348					
349	*** DIVISION 26 - ELECTRICAL ***				
350					
351	ELECTRICAL ESTIMATE BY BREWER ENGINEERING				
352	ELECTRICAL	4662	SF	22.00	102560
353					
354					
355					
356					
357					
358	SUBTOTAL DIV. 26				<u>102560</u>
359					
360					

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361	*** DIVISION 27 - COMMUNICATIONS ***				
362					
363	ELECTRICAL ESTIMATE BY BREWER ENGINEERING				
364	COMMUNICATIONS	4662	SF	2.20	10256
365					
366					
367					
368	SUBTOTAL DIV. 27				10256
369					
370					
371	*** DIVISION 28 - ELECTRONIC SAFETY AND SECURITY ***				
372					
373	ELECTRICAL ESTIMATE BY BREWER ENGINEERING				
374	FIRE ALARM SYSTEM	4662	SF	2.20	10256
375					
376					
377					
378	SUBTOTAL DIV. 28				10256
379					
380					
381	*** DIVISION 31 - EARTHWORK ***				
382					
383	STRIP & STOCKPILE TOPSOIL	93	CY	11.00	1018
384					
385	GRADE SITE FOR BUILDING	5000	SF	1.10	5500
386					
387	CONSTRUCTION FENCING & GATES	1	LS	1650.00	1650
388					
389	FINE GRADING	1	LS	2750.00	2750
390					
391	EROSION CONTROL	1	LS	2200.00	2200
392	- SILT FENCING	1	LS	1100.00	1100
393					
394					
395	FOUNDATION EXCAVATION & BACKFILL				
396	FOOTING EXCAVATION	230	CY	16.50	3799
397	BACKFILL W/GRANULAR FILL	230	CY	38.46	8854
398					
399	DISPOSE OF EXCAVATED MATERIAL ON-SITE	230	CY	5.50	1266
400					
401					
402	SUBTOTAL DIV. 31				28137
403					
404					
405					

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406	*** DIVISION 32 - EXTERIOR IMPROVEMENTS ***				
407					
408	SIDEWALKS/PATIOS	1437	SF	6.60	9484
409					
410	REWORK GRAVEL SURFACING	1	LS	1650.00	1650
411					
412	MISC. SEEDING	1	LS	825.00	825
413					
414	LANDSCAPING - ALLOWANCE	1	LS	16500.00	16500
415					
416					
417	SUBTOTAL DIV. 32				28459
418					
419					
420	*** DIVISION 33 - UTILITIES ***				
421					
422	SITE UTILITIES - ALLOWANCES				
423	WATER SERVICE	1	LS	5500.00	5500
424					
425	SANITARY SEWER	1	LS	22000.00	22000
426					
427	STORM SEWER - SITE DRAINAGE				
428					
429	GAS SERVICE	1	LS	5500.00	5500
430					
431	ELECTRIC SERVICE	1	LS	16500.00	16500
432					
433					
434	SUBTOTAL DIV. 33				49500
435					
436					
437	*** DIVISION 34 - TRANSPORTATION ***				
438					
439	NOTHING REQUIRED				
440					
441					
442	SUBTOTAL DIV. 34				
443					
444					
445	*** DIVISION 35 - WATERWAY AND MARINE CONSTRUCTION ***				
446					
447	NOTHING REQUIRED				
448					
449					
450	SUBTOTAL DIV. 35				