

Grandview Heights Stairs - Survey Measurements

Existing Stair Measurements taken from the bottom of the stairs to the top.

Summary:

Rise: 5.2" - 10"

Run/Tread: 11" - 34.5"

Total # of Steps: 255

Width: 1.6m

of Landings: 7

CASE 1	AVG RISE (inches): 5.4		AVG. RUN (inches) 22.8	Total # of Steps: 3
Step	Rise (cm)	Rise (inches)	Run (inches)	
1	14	5.6	11	
2	13.5	5.4	34.5	
3	13	5.2	23	
Landing #1	2.9m x 1.6m			
CASE 2	AVG RISE (inches): 6.7		AVG. RUN (inches) 18.4	Total # of Steps: 27
Step	Rise (cm)	Rise (inches)	Run (inches)	
4	23	9.2	18.5	
5	16.5	6.6	18.5	
6	17	6.8	19	
7	16.5	6.6	19	
8	16.5	6.6	18.5	
9	16.5	6.6	19	
10	16.5	6.6	19	
11	16.5	6.6	18.5	
12	16.5	6.6	18.5	
13	15.5	6.2	18.5	
14	16.5	6.6	18.5	
15	16.5	6.6	18	
16	16.5	6.6	18	
17	16.5	6.6	18.5	
18	16.5	6.6	18	
19	16.5	6.6	18	
20	16.5	6.6	18	
21	16.5	6.6	18.5	
22	16.5	6.6	18.5	
23	16.5	6.6	18.5	
24	16.5	6.6	18	
25	16.5	6.6	18	
26	16.5	6.6	18.5	

27	16.5	6.6	18
28	16.5	6.6	18.5
29	16.5	6.6	18
30	16	6.4	

Landing #2 2.5m x 1.6m

CASE 3 AVG RISE (inches): 6.1 AVG. RUN (inches) 12.4 Total # of Steps: 36

Step	Rise (cm)	Rise (inches)	Run (inches)
31	19	7.6	12
32	16.5	6.6	12
33	16	6.4	12.5
34	15.5	6.2	12.5
35	15.5	6.2	12.5
36	15	6	12.5
37	15	6	12.5
38	15.5	6.2	12.5
39	15	6	12.5
40	15	6	12.5
41	15	6	12.5
42	15	6	12.5
43	15.5	6.2	12.5
44	15.5	6.2	12.5
45	14.5	5.8	12.5
46	15.5	6.2	12
47	14.5	5.8	12.5
48	15	6	12
49	15	6	12
50	15.5	6.2	12.5
51	15.5	6.2	12.5
52	14.5	5.8	12.5
53	15	6	12
54	15	6	12.5
55	15	6	12
56	15	6	12.5
57	15	6	13
58	15	6	12.5
59	15	6	12.5
60	14	5.6	12.5
61	15	6	12.5
62	15.5	6.2	12.5
63	15	6	12.5
64	15.5	6.2	12
65	15.5	6.2	12.5
66	15.5	6.2	12.5

Landing #3 4.2m x 1.6m

CASE 4	AVG RISE (inches): 5.3	AVG. RUN (inches) 12.2	Total # of Steps: 48
Step	Rise (cm)	Rise (inches)	Run (inches)
67	14	5.6	12
68	13	5.2	12.5
69	13	5.2	12
70	13.5	5.4	12.5
71	13.5	5.4	12
72	13.5	5.4	12
73	13.5	5.4	12
74	13.5	5.4	12
75	14	5.6	12
76	13.5	5.4	12
77	13.5	5.4	12
78	13.5	5.4	12
79	14	5.6	12
80	13	5.2	12
81	14	5.6	12
82	13	5.2	12
83	13	5.2	12
84	13.5	5.4	12
85	13	5.2	12
86	13	5.2	12
87	13	5.2	12
88	13	5.2	12.5
89	13	5.2	12
90	13	5.2	12.5
91	13	5.2	12.5
92	13	5.2	12
93	13	5.2	12.5
94	13	5.2	12
95	13	5.2	12
96	13	5.2	12
97	13	5.2	12
98	13	5.2	12.5
99	13	5.2	12.5
100	13	5.2	12.5
101	13	5.2	12
102	13	5.2	12.5
103	13	5.2	12.5
104	13	5.2	12.5
105	13	5.2	12
106	13	5.2	12.5
107	13	5.2	12.5
108	13	5.2	12

109	13	5.2	12.5
110	13	5.2	12
111	13	5.2	12
112	13	5.2	12.5
113	13	5.2	12
114	13	5.2	12.5

Landing #4 2.3m x 1.6m

CASE 5 AVG RISE (inches): 5.6 AVG. RUN (inches) 12.3 Total # of Steps: 25

Step	Rise (cm)	Rise (inches)	Run (inches)
115	15	6	12
116	13.5	5.4	12
117	14	5.6	12
118	14	5.6	12
119	14	5.6	12.5
120	14.5	5.8	12
121	14.5	5.8	12
122	14.5	5.8	12.5
123	14.5	5.8	12
124	14	5.6	12
125	14	5.6	12
126	14	5.6	12
127	14	5.6	13
128	14	5.6	12
129	14	5.6	12
130	14	5.6	12.5
131	14	5.6	12.5
132	14	5.6	12.5
133	14	5.6	12
134	14	5.6	12.5
135	14	5.6	12
136	14	5.6	13
137	14	5.6	12.5
138	14	5.6	13
139	14	5.6	

Landing #5 2.7m x 1.6m

CASE 6 AVG RISE (inches): 5.6 AVG. RUN (inches) 12.3 Total # of Steps: 42

Step	Rise (cm)	Rise (inches)	Run (inches)
140	14	5.6	12
141	14	5.6	12
142	14	5.6	12.5
143	14	5.6	12.5
144	14	5.6	12.5
145	13	5.2	12.5
146	14.5	5.8	12.5

147	14.5	5.8	12.5
148	14.5	5.8	12.5
149	14.5	5.8	12
150	13.5	5.4	12
151	14	5.6	12
152	14	5.6	12
153	13	5.2	12.5
154	14	5.6	12
155	14	5.6	12
156	13.5	5.4	12
157	13.5	5.4	12
158	14	5.6	12
159	14	5.6	12
160	14	5.6	12
161	14	5.6	12.5
162	14	5.6	12
163	14	5.6	12.5
164	14	5.6	12
165	14	5.6	12.5
166	14	5.6	12
167	14	5.6	12.5
168	13.5	5.4	12
169	14	5.6	12
170	13.5	5.4	12.5
171	14	5.6	12.5
172	14	5.6	12.5
173	14	5.6	12.5
174	14	5.6	12.5
175	13	5.2	12.5
176	13.5	5.4	12.5
177	13.5	5.4	12.5
178	14	5.6	12.5
179	14	5.6	12.5
180	14	5.6	12.5
181	14	5.6	

Landing #6	4.5m x 1.6m		
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CASE 7	AVG RISE (inches): 5.4	AVG. RUN (inches) 12.3	Total # of Steps: 43
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Step	Rise (cm)	Rise (inches)	Run (inches)
182	14	5.6	12.5
183	13	5.2	12
184	14	5.6	12
185	13	5.2	12
186	13.5	5.4	12.5
187	13.5	5.4	12

188	14	5.6	12
189	14	5.6	12
190	13	5.2	12.5
191	13	5.2	12.5
192	13	5.2	12.5
193	14	5.6	12.5
194	13.5	5.4	12
195	13.5	5.4	12.5
196	13.5	5.4	12
197	14	5.6	12
198	13.5	5.4	12
199	14	5.6	12.5
200	13.5	5.4	12.5
201	13.5	5.4	12
202	13.5	5.4	12
203	13.5	5.4	12.5
204	13.5	5.4	12
205	14	5.6	12.5
206	13.5	5.4	12.5
207	13.5	5.4	12.5
208	14	5.6	12.5
209	14	5.6	12.5
210	13.5	5.4	12.5
211	13.5	5.4	12
212	14	5.6	12.5
213	13.5	5.4	12.5
214	13.5	5.4	12.5
215	13.5	5.4	12
216	13.5	5.4	12.5
217	14	5.6	12
218	13	5.2	12.5
219	14	5.6	12.5
220	13	5.2	12.5
221	13	5.2	12
222	13.5	5.4	12.5
223	13.5	5.4	12.5
224	13.5	5.4	

Landing #7 6.4m x 1.6m

CASE 8 AVG RISE (inches): 5.5 AVG. RUN (inches) 12.1 Total # of Steps: 18

Step	Rise (cm)	Rise (inches)	Run (inches)
225	14	5.6	12
226	14	5.6	12
227	14	5.6	12.5
228	14	5.6	12

229	14	5.6	12
230	14	5.6	12
231	14	5.6	12
232	14	5.6	12
233	13	5.2	12
234	13	5.2	12
235	13	5.2	12
236	14	5.6	12.5
237	13.5	5.4	12
238	13.5	5.4	12.5
239	13.5	5.4	12
240	14	5.6	12.5
241	14	5.6	12
242	14	5.6	12.5

SIDE/TOBAGGAN HILL ACCESS STAIRS	AVG RISE (inches): 7.8	AVG. RUN (inches) 11.0	Total # of Steps: 13
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Step	Rise (cm)	Rise (inches)	Run (inches)
1	24	9.6	11
2	18	7.2	11
3	18	7.2	11
4	18	7.2	11
5	18	7.2	11
6	18	7.2	11
7	18	7.2	11
8	25	10	11
9	19	7.6	11
10	19	7.6	11
11	19	7.6	11
12	19	7.6	11
13	20	8	11