



Vertical ICF Wall System

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## Installation Time Study

### Project Description:

Benson Residence in Wildwood , AB Canada

**Size:** 221'0" lineal feet of 8'4" height foundation walls.

**Corners:** (12) Corners – (8) were 90 degree and (4) were 45 degree angles.

**Openings:** (1) large door.

**Installation Crew:** (2) experienced "Hobbs VICF" installers were the trainers, (1) experienced ICF "block" installer, (1) experienced "forming installer" and (1) semi-experienced ICF "block" laborer.

### Breakdown of Hours

### Man Hours

A. Installation of the angle base at footing	1.0
B. Build corner Assembly. (12 corner x 5 min ea.)	1.0
C. Cutting rebar and "loading" Furring Assemblies	3.0
D. Staging of foam bundles and furring assemblies.	2.0
E. Standing corners with bracing, standing full panel wall-sections with wall "waler" bracing.	16.0
F. Cut and install "filler" strips at corners	1.0
G. Install scaffold and planking, (Giraffe System) and "string-line" the Hobbs VICF walls.	4.0
H. Pour concrete for walls, level, and insert "J" bolts.	8.0
I. Strip off bracing and scaffolding and clean site.	6.0

**Total Man Hours: 42.0**

This project only had one opening. Each additional window/door would require about 20-25 minutes for assembly with the required foam for above and below being part of the foam order. Therefore, the project with 3 windows would have added about 1.0 more man hour to the project.

There were four individuals on site. Time was taken for “training and instruction” during the wall standing portion of the installation and at various times of the “staging” and cutting.

## **Project Photos**

### **Front Elevation**



**Rear Elevation:**



**String-Line Walls:**



**Minimal Waste:**

