



**Step Foundation**  
 The height of the step foundation is determined by the height of the flooring system used. The top of the step foundation must be within  $\pm \frac{1}{2}$ " of the top of the finished floor level. For a typical 1" hardwood floor,  $\frac{3}{8}$ " sheathing and 2x10 solid sawn joists, the step foundation could be composed of one 4x8x16 hollow core block and one 4x4x16 hollow core block.

Vinyl Siding  
 Building Paper  
 External Sheathing  
 2x4 Framing  
 F.G. Batt Insulation  
 Drywall  
 Paint (Finish)

CMU Foundation Wall  
 R.C. Foundation Wall  
 DW/G, R101.7 & R101.8

10' or 12' CMU Block  
 8" or 10" CMU Block  
 Reinforcement Bars  
 Foundation Drain  
 Lintels  
 Compacted Fill  
 Compacted Crushed stone  
 Limits of Excavation  
 6" Compacted Stone  
 3.5" Minimum Thick Concrete Slab  
 Final Grade

**REVISIONS:**

- 3/24/04
- 4/1/04
- 4/11/04
- 4/14/04
- 4/28/04

**NOTES:**

1. Proper soil compaction is imperative to reducing settlement of porch and adjoining sidewalks. Approved compaction methods such as back filling in lifts and utilizing proper compaction devices must be used.
2. CMU block sizes used in the step foundation are based on local availability. If solid block is used in lieu of hollow core holes must be drilled every 6' to accommodate anchor bolts or strapping.



Scale: 1" = 10'

Developed By: Fred W. Peters  
 Drawn By: Fred W. Peters

PHRC: \_\_\_\_\_  
 HYD/LIFT: \_\_\_\_\_

Front Elevation (Porch)

R101.2-5/26/04