

1. ALL WORK TO CONFORM TO 2006 BC BUILDING CODE.
2. BUILDING DESIGNED UNDER PART 9 OF BUILDING CODE.
3. STRUCTURAL ELEMENTS OF BUILDING DESIGNED UNDER PART 9 OF BUILDING CODE.
4. THIS BUILDING IS INTENDED FOR RESIDENTIAL OCCUPANCY (GROUP C).
5. NOTES CONNECT WITH SCALED DIMENSIONS. NOTES TAKE PRECEDENCE OVER DIMENSIONS.
6. ALL FINISHING LUMBER TO BE DRY 2468R SPF UNLESS OTHERWISE NOTED.
7. ALL UTILITIES TO BE 2"-2X10 UNLESS OTHERWISE NOTED.

Refer to Page 5 for framed earth wall construction details.

1. FOUNDATION NOTES
2. FOOTINGS ARE TO BEAR ON UNDISTURBED LEVEL SOIL BELOW FROST LEVEL. DIVID OF ANY ORGANIC MATERIAL STEPPED AS REQUIRED TO MAINTAIN THE REQUIRED DEPTH.
3. MIN. FILL FINE GRADE.
4. MIN. SOIL BEARING PRESSURE OF 2000 PSI.
5. CONCRETE 3,000 PSI (20 MPa)
6. CONCRETE SLABS TO HAVE CONTROL JOINTS AT 25' (MAXIMUM) EACH WAY.
7. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURIZED TREATED OR PROTECTED WITH 15# ROILED ROOFING.

DETAILED 3B NOTES	
38.1 3/8" dia. 1' Fr Post	
38.2 concrete footing w/ 6" grid 10 mm rebar	
38.3 6" steel SADDLE holder (pins post or beam)	
38.4 3" steel post, from edge of concrete to rebar	
38.5 6" steel stop and bracket (pins post to beam)	
38.6 edges shimmed to appropriate height w/ solid blocking	
38.7 1" threaded rod w/ timber washers	
38.8 cam inflill between beams	
38.9 1/2" anchor bolt	
38.10 cast post 3.9	
38.11 run after flattened for 3/8" after hangers or 2x4 ledger	
38.12 concrete half tile inflill (see pg 5 for rammed earth and sand spec)	

38.116 FRAMED SOUTH WALL

- metal siding and flashing
- building paper
- $\frac{1}{2}$ " plywood
- R20 insulation
- 6 mil poly on warm side of insulation
- #2 x6 D, fir studs and plates 2' o/c
- doubled top plate
- Every rafter to bear directly on stud

38.117 8x10 #1 D, fir beam

Nov 21, 08	Initial Draft Drawings
February 18, 09	Full rough set (no engineering)
February 27, 09	Added water collection and grey water
March 2, 09	Plans for submission
building authority	

PROJECT: Burkholder Earthship (7391 Yellowhead 5 Hwy)
 CAD DWG FILE: C:\HSPROJECTS\DRAWINGS\EARTHSHIELD\BURKH
 DRAWN BY: C. Newton
 Ground Snow Load: $S_s = 2.5 \text{ kPa}$ (Roof Load $S_r = 0.3 \text{ kPa}$)

C Newton Engineering
SHEET TITLE

Foundation Plan
Scale: $\frac{1}{4}"=1'$

SHEETNUMBER

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SHEET