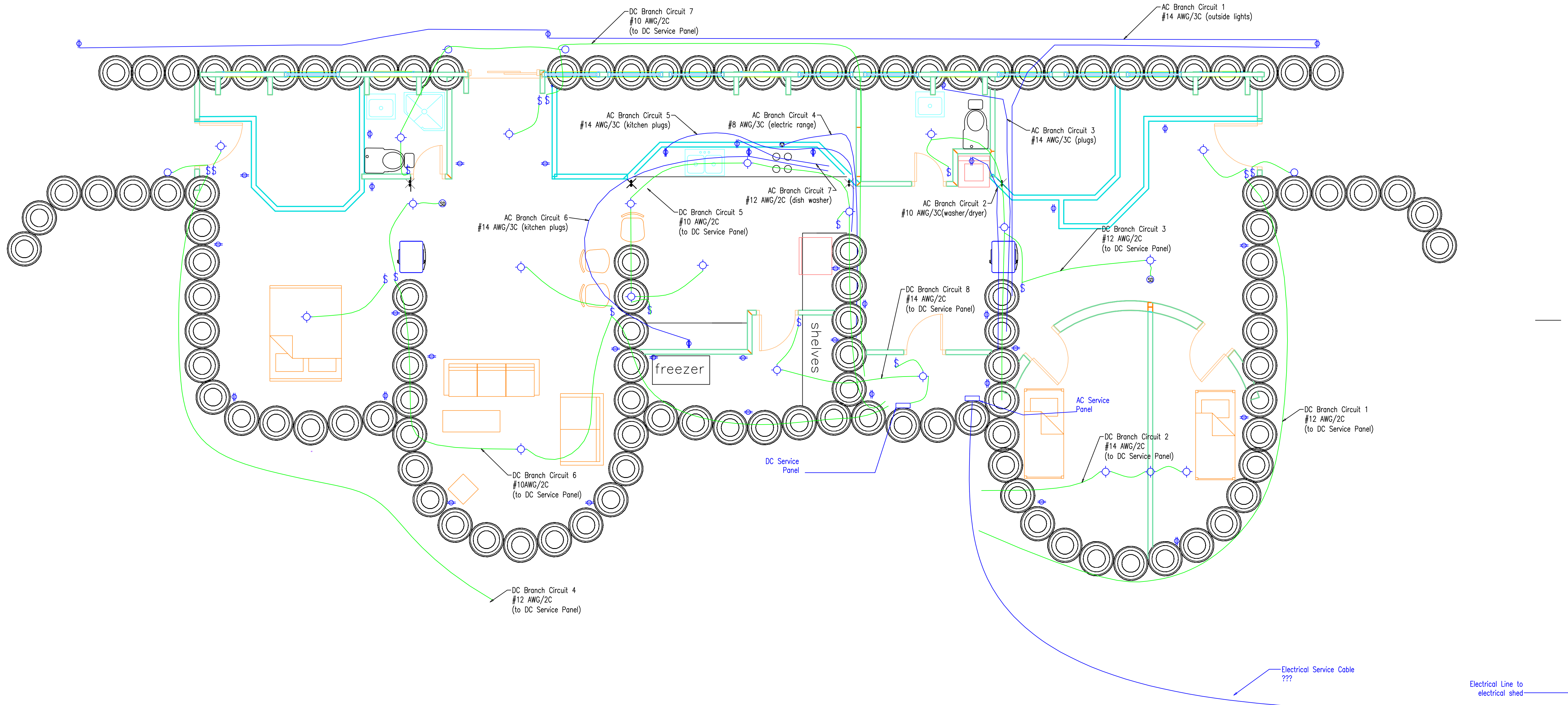
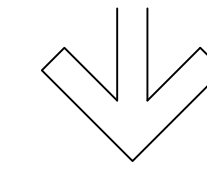


1. Bathroom fans required?
2. Do DC led bulbs come w/ standard AC base?
3. layout ground level branch circuits
4. 24 or 48 Volts DC?
5. Switched wall plugs?
6. DC appliance outlets?
7. Spare circuits on beams?
- 8.



- GENERAL NOTES
1. ALL WORK TO CONFORM TO 2006 BC Building Code.
 2. BUILDING DESIGNED UNDER PART 9 OF BUILDING CODE. STRUCTURAL ELEMENTS OF BUILDING DESIGNED UNDER PART 4 OF BUILDING CODE.
 3. THIS BUILDING IS INTENDED FOR RESIDENTIAL OCCUPANCY (GROUP C).
 4. IF NOTES CONFLICT WITH SCALED DIMENSIONS, NOTES TAKE PRECEDENCE.
 5. ALL FRAMING LUMBER TO BE DRY 2&BTR SPF UNLESS OTHERWISE NOTED.
 6. ALL LINTELS TO BE 2-2X10 UNLESS OTHERWISE NOTED.
 7. Refer to Page 5 for rammed earth wall construction details.

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

- Electrical Notes
1. minimum 2" spacing between class 2 and AC circuits
 2. Bathroom and outdoor plugs GFI protected

- Lighting Notes
1. How to size LED lights to room lighting and tasks?

- Task Lighting Notes
1. above countertops shining down
 2. along counter on wall against pantry
 3. counter next to fridge
 4. counter next to stove
 5. hanging down over sink and stove
 6. over bathroom sink/mirror
 - 7.

REVISIONS	
Nov 21, 08	Initial Draft Drawings
February 18, 09	Full rough set (no engineering)
February 27, 09	Added water collection and gray water

PROJECT: Newton Earthship (xxxx Yellowhead Hwy)
 CAD DWG FILE: C:\HSBPROJECTS\DRAWINGS\EARTHSHIELTER\NEWTONELECTRICAL.DWG
 DRAWN BY: C. Newton
 Ground Snow Load: S_s = 2.5 kPa (Rain Load S_r = 0.3 kPa)

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SHEET TITLE
Electrical Layout
 Scale: **1/4"=1'**

SHEETNUMBER
 SHEET **1E** OF **1E**

Electrical Layout
 1/4" = 1'

1

2

3

4

5