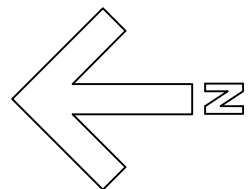


NORTH ARROW



- GENERAL NOTES
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 4 OF BUILDING CODE.
 4. THIS BUILDING IS INTENDED FOR RESIDENTIAL OCCUPANCY.
 5. FINISHES CONFLICT WITH SCALED DIMENSIONS, NOTES TAKE PRECEDENCE.
 6. ALL FRAMING LUMBER TO BE DRY 24HR SPF UNLESS OTHERWISE NOTED.
 7. ALL UNITS TO BE 2-2Y10 UNLESS OTHERWISE NOTED.
 8. Refer to Page 3 for framed earth wall construction details.

- FOUNDATION NOTES
1. FOUNDATIONS ARE TO BEAR ON UNDISTURBED LEVEL SOIL BELOW FROST LEVEL. DEVOID OF ANY ORGANIC MATERIAL AND STERILIZED AS REQUIRED TO MAINTAIN THE REQUIRED DEPTH.
 2. MIN. SOIL BEARING PRESSURE OF 2000 PSF.
 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 counters 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
July 22, 10	Electrical branch circuits (draft)

PROJECT: Newton Earthship (xxxx Yellowhead Hwy)

CAD DWG FILE: C:\HSRPROJECTS\DRAWINGS\EARTHSHIP\NEWTON\ELC17

DRAWN BY: C. Newton

Ground Snow Load: Ss = 2.5 kPa (Roof Load S_r = 0.3 kPa)

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SHEET TITLE: **C Newton Engineering**

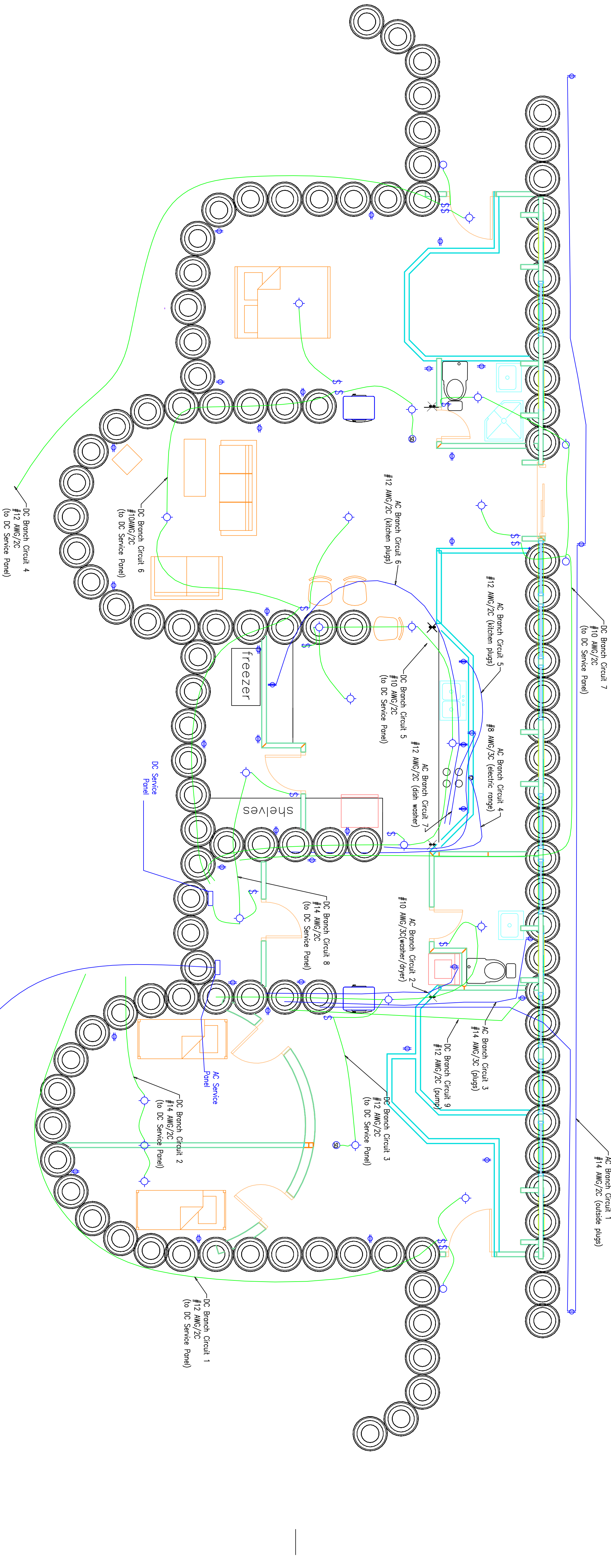
Electrical Layout

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

SHEET NUMBER

1E OF 1E

- Electrical Questions/To do
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.



Electrical Layout

$\frac{1}{4}"=1'$