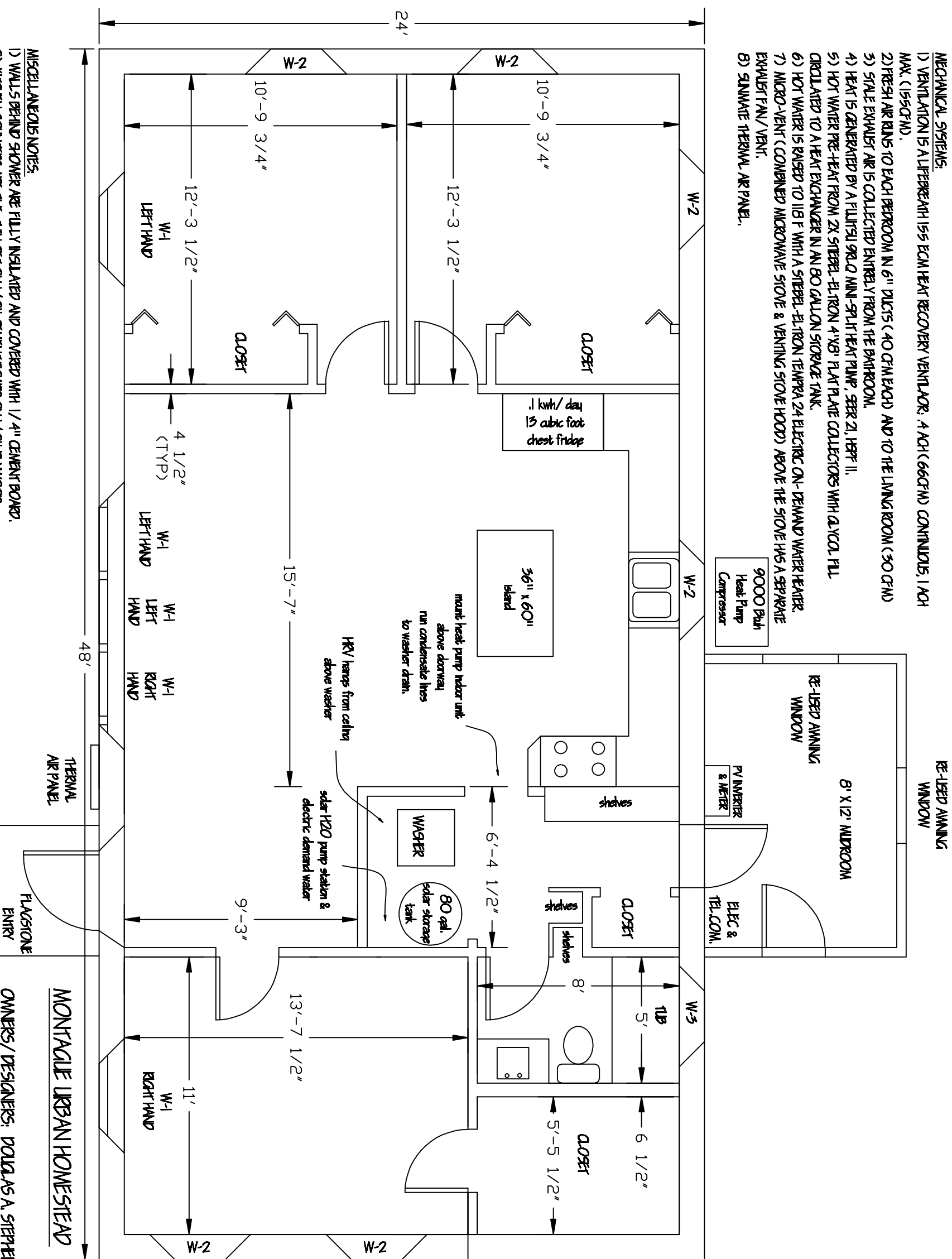
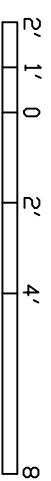


- MECHANICAL SYSTEMS:**
- 1) VENTILATION IS A LIFE BREATH ISS ECM HEAT RECOVERY VENTILATOR. 4 ACH (66CFM) CONTINUOUS. 1 ACH MAX. (155CFM).
  - 2) FRESH AIR RUNS TO EACH BEDROOM IN 6" DUCTS (40 CFM EACH) AND TO THE LIVING ROOM (30 CFM)
  - 3) STALE EXHAUST AIR IS COLLECTED ENTIRELY FROM THE BATHROOM.
  - 4) HEAT IS GENERATED BY A FILTRUS 9RQ MINI-SPLIT HEAT PUMP. SEE 21. HEFF II.
  - 5) HOT WATER PRE-HEAT FROM 2X STEESEL-EL-IRON 4"X8" FLAT PLATE COLLECTORS WITH GALVOL FILL CIRCULATED TO A HEAT EXCHANGER IN AN 80 GALLON STORAGE TANK.
  - 6) HOT WATER IS RAISED TO 118 F WITH A STEESEL-EL-IRON TEMPR 24 ELECTRIC ON-DEMAND WATER HEATER.
  - 7) MICRO-VENT (COMBINED MICROWAVE STOVE & VENTING STOVE HOOD) ABOVE THE STOVE HAS A SEPARATE EXHAUST FAN/VENT.
  - 8) SUNWATE THERMAL AIR PANEL.



**MISCELLANEOUS NOTES:**

- 1) WALLS BEHIND SHOWER ARE FULLY INSULATED AND COVERED WITH 1/4" GEMENT BOARD.
- 2) KITCHEN COUNTERS ARE TILE, TWIN SET ON 1/2" GEMENT BOARD ON 1/2" PL.WOOD WITH TILE BILLNOSE BRDING AND TILE BACKSLASH.
- 3) RADON EXHAUST SYSTEM INSTALLED BELOW CONC. SLAB WITH PERFORATED 4" PVC TUBING AND CAPPED RISER EXTENDING INTO THE ATTIC.



**MONTAGLE URBAN HOMESTEAD**

OWNERS/DESIGNERS: DOUGLAS A. STEPHENS  
TINA CLARKE

BUILDER: BRICK CORSA  
DATED: 1-21-2010

SCALE: 1" = 4'  
SHEET 1 OF 4