

# **Project YIPPEE**

**Blueprint Descriptions  
Version 4  
March 21, 2005**

## ***ELECTRICAL***

### **Service Panels**

- MLA: 30/40 slot, on wall shared by kitchen & bathroom, includes AFI circuit breakers
- WC: 10 slot, on wall to right of entry door

### **Circuit 1**

- 20 amp, 120 volt receptacle circuit using 12/2G
- 7 \* 20 amp duplex receptacles servicing the loft area (both levels), dining room and yoga area
  - Loft receptacles will run through a single-pole wall switch
- 1 \* 20 amp waterproof outdoor duplex receptacle
- 1 \* 20 amp single-pole wall switch

### **Circuit 2**

- 20 amp, 120 volt receptacle circuit using 12/2G
- 1 \* 20 amp GFI duplex receptacle for washer/dryer
- 1 \* 20 amp duplex receptacle in yoga area

### **Circuit 3**

- 20 amp, 120 volt receptacle circuit using 12/2G
- 1 \* 20 amp duplex receptacle dedicated to the sauna unit

### **Circuit 4**

- 20 amp, 120 volt receptacle circuit using 12/2G
- 1 \* 20 amp duplex receptacle dedicated to refrigerator

### **Circuits 5 & 15**

- 2 \* 20 amp, 120 volt kitchen appliance circuits using 12/3G
- 2 \* 20 amp GFI duplex receptacles, each on dedicated circuit

### **Circuit 6**

- 15 amp, 120 volt light & fan circuit using 14/2G
- 8 \* 15/20 watt CFL lights in the connector hallway, kitchen, and dining room.
  - Kitchen will have a track light with four lights and two three-way wall switches
  - Connector will have two fixtures with two three-way wall switches
  - Dining room will have one light with one single-pole wall switch
  - Kitchen sink area will have one light with one single-pole wall switch
- Exhaust fan will have one single-pole wall switch

### **Circuits 7 & 11 \***

- 2 \* 20 amp, 120 volt kitchen appliance circuits using 12/2G
- 2 \* 20 amp GFI duplex receptacles, each on a dedicated circuit

*\* Alternatively, this may be a 240v circuit for a range unit.*

**Circuit 8**

- 15 amp, 120 volt light & fan circuit using 14/2G
- 4 \* 15/20 watt CFL lights in the laundry, workout and loft areas
  - Laundry and storage will have single drawstring fixtures
  - Workout area will have one fixture on single-pole wall switch
  - Pantry will have one fixture on single-pole wall switch
- 1 ceiling fan with a single-pole wall switch
  - Wire so the fan is at the end of the circuit and the switch cannot defeat the smoke detector
- 1 smoke detector

**Circuit 9**

- 20 amp, 120 volt receptacle circuit using 12/2G
- 1 \* 20 amp waterproof outdoor duplex receptacle
- 5 \* 20 amp duplex receptacles
- 1 \* 20 amp duplex receptacle with one receptacle wired to a switch

**Circuit 10**

- 15 amp, 120 volt light & fan circuit using 14/2G
- 2 \* 15/20 watt CFL lights
  - Closet light uses one fixture with a single-pole wall switch
  - Mudroom light uses one fixture with two three-way switches
- 1 ceiling fan with a single-pole fixture
  - Wire so the fan is at the end of circuit and the switch cannot defeat the closet switch & light
- 1 smoke detector

**Circuit 11**

- see Circuit 7

**Circuit 12**

- 20 amp, 120 volt receptacle circuit using 12/2G
- 2 \* 20 amp duplex receptacles, wired to a single-pole wall switch to power off all receptacles

**Circuit 13**

- 20 amp, 120 volt light & fan circuit using 12/2G
- 1 \* 15/20 watt CFL lights with drawstring fixture in laundry area
- 1 \* 20 amp duplex receptacle
- 1 \* 20 amp waterproof outdoor duplex receptacle

**Circuit 14**

- 20 amp, 120 volt receptacle circuit using 12/2G
- 1 \* 20 amp single receptacle for laundry

**Circuit 15**

- See Circuit 5

**Circuit 17**

- Wood boiler power, amps TBD

**Circuit 18**

- 20 amp, 120 volt circuit servicing bathroom in the MLA
- 2 \* 15/20 watt CFL lights, fixtures with two three-way wall switches
- 1 exhaust fan in bathroom with a single-pole wall switch
- 1 \* 20 amp GFI duplex receptacle

**Circuit 19**

- 20 amp, 120 volt circuit servicing bathroom in the WC
- 1 \* 20 amp GFI duplex receptacle
- One fixture with single-pole wall switch in bathroom
- 1 exhaust fan with single-pole wall switch
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**Circuits TBD**

- Pumps
- Satellite
- Septic

## ***PLUMBING***

**Radiant Floor Heating – 30' Yurt**

**Radiant Floor Heating – 20' Yurt**

**Radiant Floor Heating – 14' Yurt**

**Kitchen**

**Bathroom – 30' Yurt**

**Laundry – 30' Yurt**

**Outdoor Faucets – Main Living Area**

**Bathroom – 14' Yurt**

**Laundry – 14' Yurt**