

## Eberly Family Learning Center

Area	Use	Overnight Capacity
7,119	Program/Overnights/Dining	51 (upstairs) 20 (downstairs)

### **Description:**

One story plus partial lower level structure consists of a series of office and storage areas, dining hall, commercial kitchen, carpeted amphitheater, first aid room, library, stone fireplace, gathering area, restrooms (flush and compost toilets), shower, greenhouse, and computer lab. The lower level has a maintenance room, utility/storage area, two program areas with seating, kitchen, living area, and two bunk rooms. Outside the building is a stone terrace with picnic tables and a grill.

### **Construction Details:**

Foundation:	Concrete block
Floor:	Wood floor and truss system with plywood subfloor
Exterior Walls:	Wood siding over frame and/or hay bales
Roof:	Metal roof panels (replaced in 2008)
Windows:	Insulated glass double hung and fixed pane frames
Interior Walls:	Painted drywall
Floor Cover:	Hardwood, tile, and
Ceiling:	Metal perforated ceiling in dining hall; insulated panel over laminate beam with drywall

### **Mechanical Details:**

H.V.A.C.:	Geothermal with back-up propane boiler <i>HOT WATER BOILER</i>
Electrical:	120/240 volt main 600amps. In conduit and Romex; incandescent and
Plumbing:	Copper supply and PVC waste lines

### **Additional feature:**

This building was designed with several "green" building concepts.

- Geothermal radiant tube heating installed underneath hardwood flooring. The flooring was finished with an organic citrus sealer.
- Building axis is situated east/west for maximum solar gains in winter. Windows with 30% recyclable frames allowing for natural lighting and cross ventilation.
- Two gable ends are constructed with straw bales. Twenty-inch thick walls of compressed straw bales are covered with chicken wire and plaster. A "Truth Window" near the amphitheater provides a glimpse into the wall's construction.
- Heat from the Greenhouse's masonry storage wall emits heat to the main building in winter and is vented outside in summer.
- Floor to ceiling fireplace is laid with a dry-stack method, favored by Frank Lloyd Wright.
- Engineered wood beams throughout the ceiling are made of waste materials and by products from mills.

- Exterior building materials: metal roof which is durable and recyclable, exterior wood siding made with composite wood fiber, treated lumber for the deck is copper chromate-free. Deck railing and caps are made from recycled tires and plastic bags.
- Composting toilets eliminate the need for water in flushing.
- Bulletin boards are made from recycled newspaper.

## Fawn

<b>Area</b> 2,853	<b>Use</b> Activities and sleeping	<b>Overnight Capacity</b> 28
----------------------	---------------------------------------	---------------------------------

### Description:

Fawn Lodge consists of a main room with dining and seating areas, a fireplace inside and on the covered rear porch, kitchen, two bunk rooms with separate sleeping areas for adults and two restrooms with showers and flush toilets. Outside the lodge has a fire circle and outdoor eating area. The lodge is available year round. A small basement includes all mechanical equipment

### Construction Details:

Foundation:	Concrete block
Floor:	Slab on grade and wood floor structure
Exterior walls:	Frame with wood siding
Roof:	Metal panel roof
Windows:	Fixed sash/awning and casement windows with insulated glass
Interior walls:	Wood panel walls
Floor Cover:	Slab on grade
Ceiling:	Open frame

### Mechanical Details:

H.V.A.C.:	Oil fired boiler for the upper level and oil fired blower for basement
Electrical:	225 amp 120/204 volt; 1 phase, 3 wire conduit BX and Romex.
Plumbing:	Copper

## Eagle

<b>Area</b> 2,853	<b>Use</b> Activities and sleeping	<b>Overnight Capacity</b> 28
----------------------	---------------------------------------	---------------------------------

### **Description:**

Fawn Lodge consists of a main room with dining and seating areas, a fireplace inside and on the covered rear porch, kitchen, two bunk rooms with separate sleeping areas for adults and two restrooms with showers and flush toilets. Outside the lodge has a fire circle and outdoor eating area. The lodge is available year round. A small basement includes all mechanical equipment

### **Construction Details:**

Foundation:	Concrete block
Floor:	Slab on grade and wood floor structure
Exterior walls:	Frame with wood siding
Roof:	Metal panel roof
Windows:	Fixed sash/awning and casement windows with insulated glass
Interior walls:	Wood panel walls
Floor Cover:	Slab on grade
Ceiling:	Open frame

### **Mechanical Details:**

H.V.A.C.:	Oil fired boiler for the upper level and oil fired blower for basement
Electrical:	225 amp 120/204 volt; 1 phase, 3 wire conduit BX and Romex.
Plumbing:	Copper

### Caretaker's House

Area	Use	Overnight Capacity
1,796	Residence for caretaker	N/A

#### Description:

This home was purchased in 2003. It has three bedrooms, two bathrooms, a living room, dining room, kitchen, laundry room, fireplace, and full unfinished basement.

#### Construction Details:

Foundation:	Concrete Block
Floor:	Concrete slab on grade in basement and wood frame on first floor
Exterior Walls:	Vinyl siding over wood frame
Roof:	Composite shingle with metal gutters and downspouts
Interior Walls:	Painted drywall
Floor Covering:	Wall to wall carpeting and sheet vinyl
Ceiling:	Vaulted ceiling and painted drywall

#### Mechanical Details:

H.V.A.C.:	Propane gas fired forced air
Electric:	200 amps
Plumbing:	Copper supply and PVC waste lines.

## Garage

Area	Usage	Overnight Capacity
720	Garage/maintenance	N/A

### Description:

This garage was built in 1998 and is a two bay garage with 8'x8' and 8'x10' garage doors

### Construction Details:

Foundation:	Concrete Block
Floor:	Concrete Slab on grade
Exterior Walls:	Metal siding
Roof:	Metal panel roof
Interior Walls:	OSB Metal-panel walls
Ceiling:	Open frame

### Mechanical Details:

H.V.A.C.:	Electric blower
Electrical:	220 amp main
Plumbing:	None