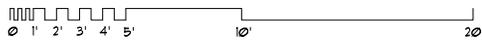
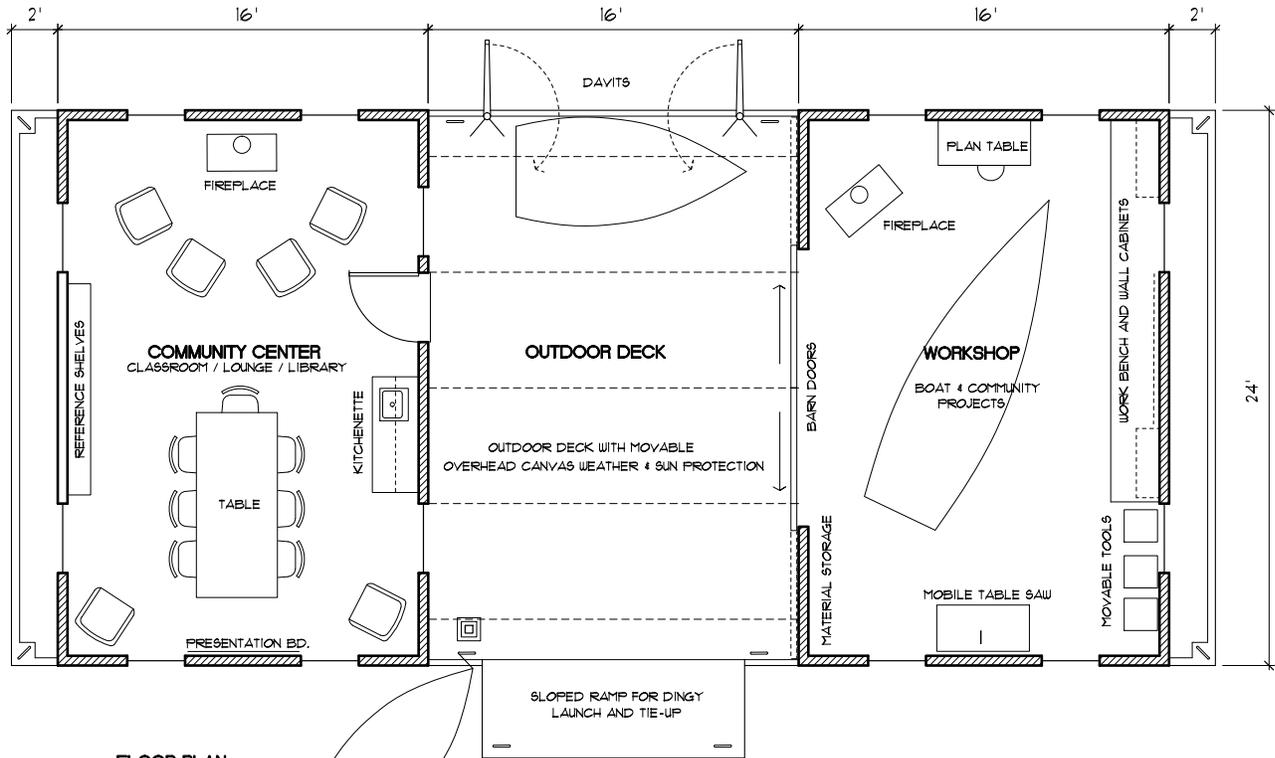


SIDE ELEVATION

**FLOATING COMMUNITY CENTER / BOAT BUILDING SCHOOL**

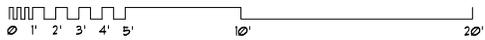


WM SMITH - SAN DIEGO, CA



FLOOR PLAN

## FLOATING COMMUNITY CENTER / BOAT BUILDING SCHOOL



WM SMITH - SAN DIEGO, CA

2/10/16

## **OFF CENTER HARBOR HOUSE BOAT DESIGN CONTEST**

### **FLOATING COMMUNITY CENTER / BOAT BUILDING SCHOOL**

William Smith, 2729 Fourth Ave. #4, San Diego, CA 92103

The concept for my design is a flexible sea or lake shore community facility that could be used for a number of community events, but in this case as a teaching facility for the advancement of small boat building in the community. It is conceived that this activity would appeal to a very wide range of ages from young school age children to seniors and therefore accessible to all with its single level. My concept is for a facility that could be towed from location to location as needs arise or change. It could be anchored free and clear of the shore or accessed via a gangway extended from shore, or tied up to an existing pier depending upon the situation where it is located.

The features of this design include the following:

1. Mobility on water and flexibility for access via water or shore
2. Shallow draft
3. Simple hull construction from plywood with a resin/glass cloth protective bottom covering
4. All dimensions are set up for standard plywood sizes
5. It is designed in 3 modules that can be disconnected for transport and then reattached in whatever configuration that the community sees fit
6. The hinged joint would allow independent movement of the 3 elements while attached.
7. The COMMUNITY CENTER element:
  - a. Flexible space for classroom seating, table seating or open space as desired for the planned function
  - b. A reference library for the various functions that a community might have for this facility, but primarily for boat building reference in this case
  - c. Fireplace for heating and cross ventilation via windows for the warmer days
  - d. A small kitchenette for purpose of light food prep and support
  - e. A small marine head and holding tank might be desirable if the location is remote from other facilities and could be fit into one of the corners
8. The WORKSHOP element:
  - a. This module is laid out relative to my own experience in building small wood boats
  - b. A long work bench with wall cabinets and wall hanging space for tools and clamps
  - c. A plan table to keep plans readily available and to laminate ribs and other subassembly work
  - d. A table saw with lockable rolling base to roll out to work on the long pieces
  - e. Various power tools also on rolling bases where desirable; drill press, planer, sander, router, etc. Some may want to be mounted on the long work bench
  - f. Corner and wall space for storage of materials
  - g. Open rafters, again for storage of materials if needed
  - h. Skylights would be desirable over the center of the work space
  - i. Rolling barn doors to facilitate moving whole boats in & out of the workshop
  - j. Fireplace for heat and window for cross ventilation during the warmer days
9. The OUTDOOR DECK element:
  - a. Open deck for any number of uses; work on project during good weather, outdoor seating for larger events, launching boats either via the ramp or davits on the other end, tying up dinghies, landing for gangways, etc. Perhaps concerts or public assemblies with seating on the deck, sliding doors open and entertainment performing from the workshop.
  - b. Overhead sliding canvas for shade and weather protection
  - c. Dingy launching ramp and davits
  - d. Flag staff

By breaking this up into easily launched and towed modules, a community would have a lot of flexibility with how they use them whether as a whole connected facility or as individual modules if they do not need the whole facility. They could be easily constructed by less than experienced boat builders or community volunteers with very little guidance by a local boat builder or contractor out of commonly available materials.

end