



Skills Canada – Manitoba

Architectural Technology and Design (Secondary)

TIME ALLOTTED 4 HOURS

OVERVIEW:

Your responsibility is to design an interior layout of a 25'-0" X 42'-0" (1050 sq. ft.) cottage. The client wants an open living, dining, and kitchen design that captures the lake view (south elevation) with a lot of glass area. The columns supporting the beams above should be incorporated into the walls, where possible. Include a 30" X 24" wood stove in this area.

DESIGN SPECIFICATIONS:

- Three bedrooms, a bathroom with a shower (tub not required).
- An entrance area that would also provide space for the hot water tank and washer/dryer.
- Closets in all bedrooms and entrance area.
- Attached covered porch or open deck (not included in the 1050 sq. ft. cottage area.)

COTTAGE CONSTRUCTION DETAILS:

- The cottage will be built with standard 8'-1 1/8" wood frame 2X6 exterior walls and interior 2X4 walls. Interior and exterior finish materials are your choice.
- Window sizes, types, and styles and door types and locations are your choice. Doors should be standard residential sizes.
- The foundation walls will be 8" concrete, extending 2'-0" above grade.
- 2X10 rafter roof construction will provide a 4/12 slope interior vaulted ceiling throughout the entire cottage.

SITE DETAILS:

You will orient the cottage on the lot in a direction that captures the lake view, does not require cutting of the existing 10'-0" tree buffer, and does not interfere with the existing bunk house and garage. The front (lake side) set back is 2 feet. No construction can occur on hydro reserve land. See the site plan.

DRAWINGS PROVIDED:

1. Floor plan showing exterior walls and column and beam placements.
2. Site plan showing the building line where the cottage will be built.

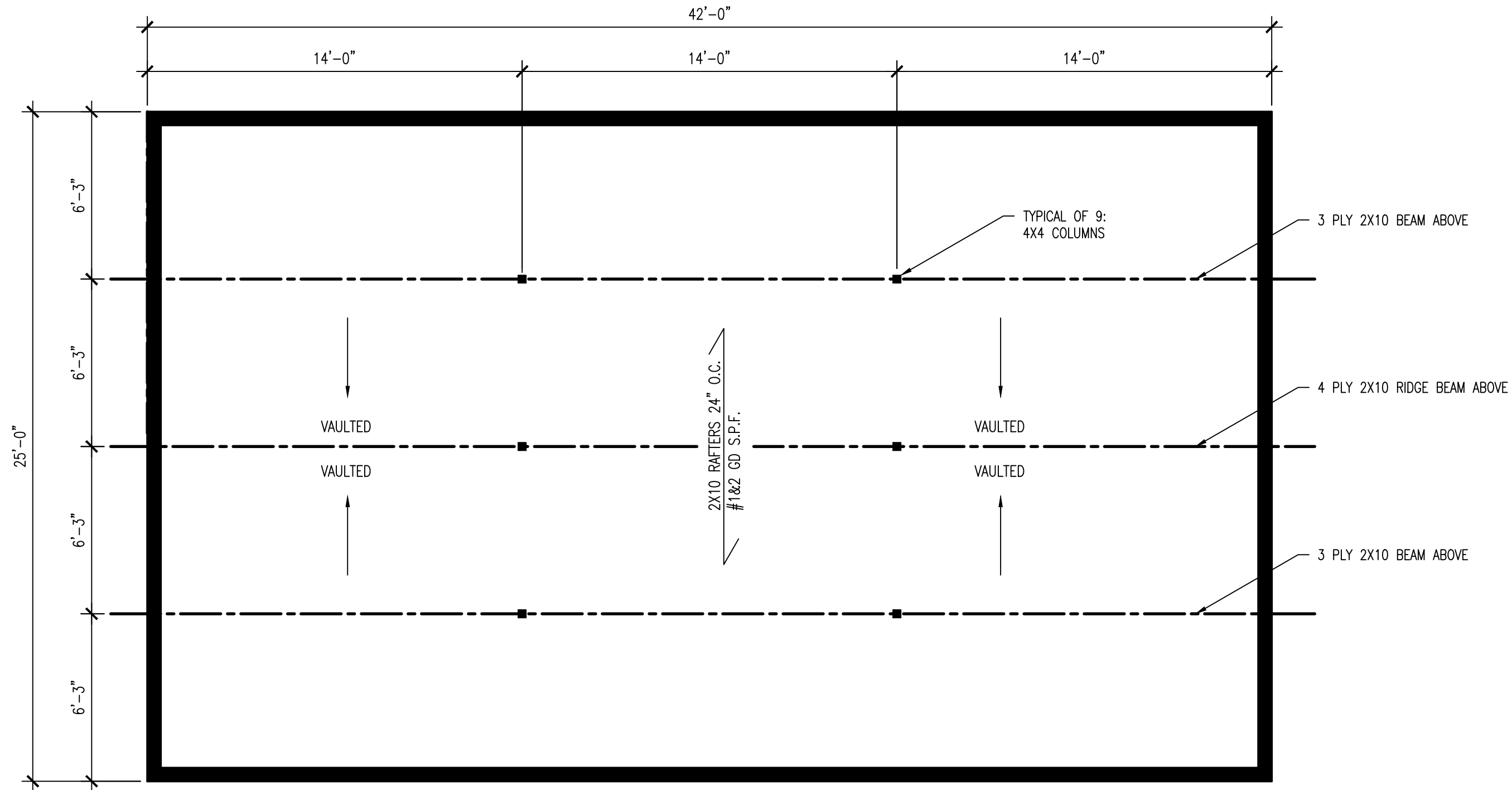
DRAWINGS REQUIRED:

Two drawings will be required:

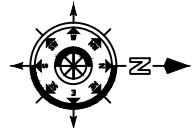
1. A **dimensioned floor plan** (working format) plotted at an appropriate scale.
2. A **dimensioned working format south elevation (above grade only)** of the cottage plotted at an appropriate scale. The south elevation faces the lake.

PLOTTING INFORMATION:

1. The scale of each drawing is the designer's choice.
2. Plot on **17" x 11"** (B size, tabloid) sheets; each drawing will be plotted on separate sheets.
3. Refer to the "Drawing Format Specifications" sheet for border and title block information. Use your **competitor number**, not your name, on each plotted sheet.
4. All drawings will be plotted black and white (monochrome).

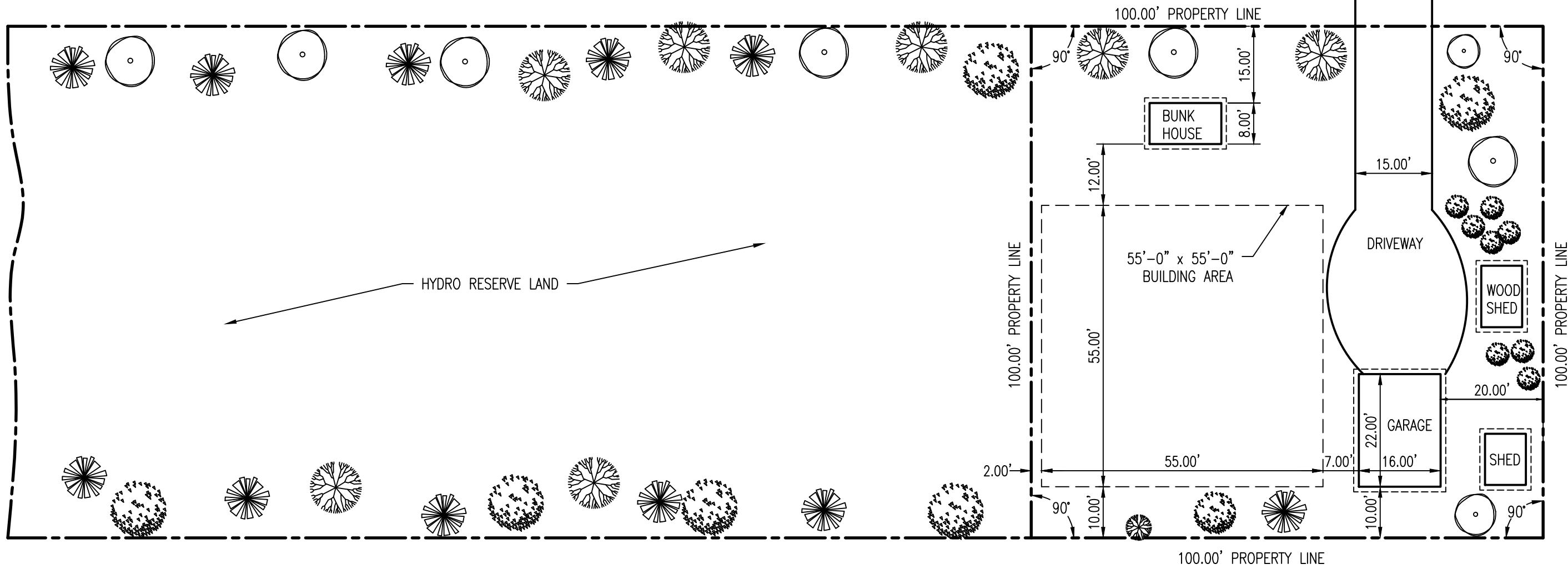


FLOOR PLAN



GOOSE LAKE

MONARCH PLACE



SITE PLAN
SCALE: 1:250

#10 MONARCH PLACE
LOT 3 BLOCK 1 PLAN 1948 WLTO IN SECTION 11-17-4 EPM.