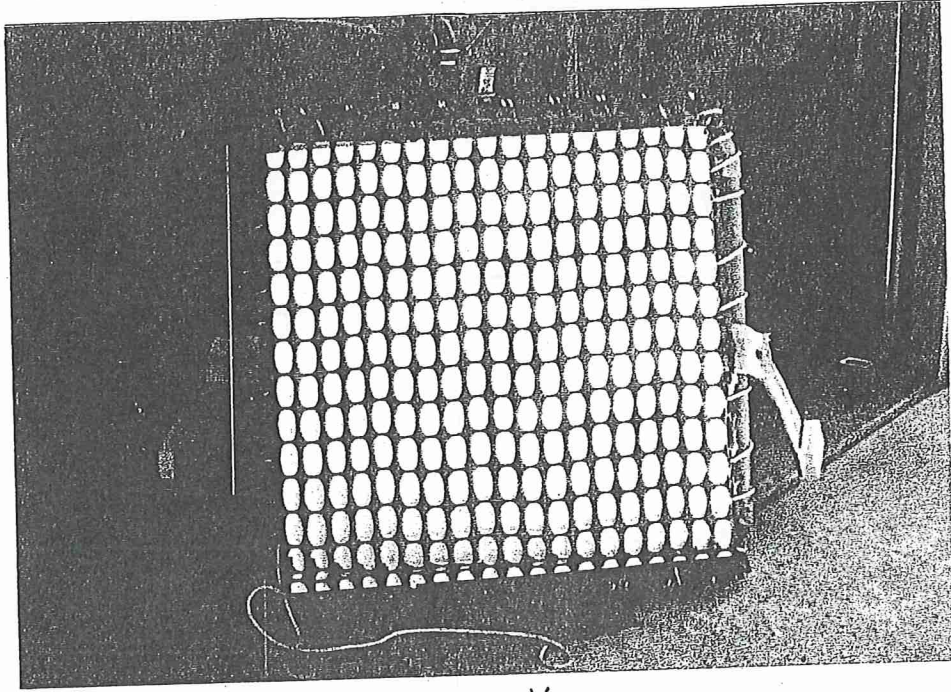
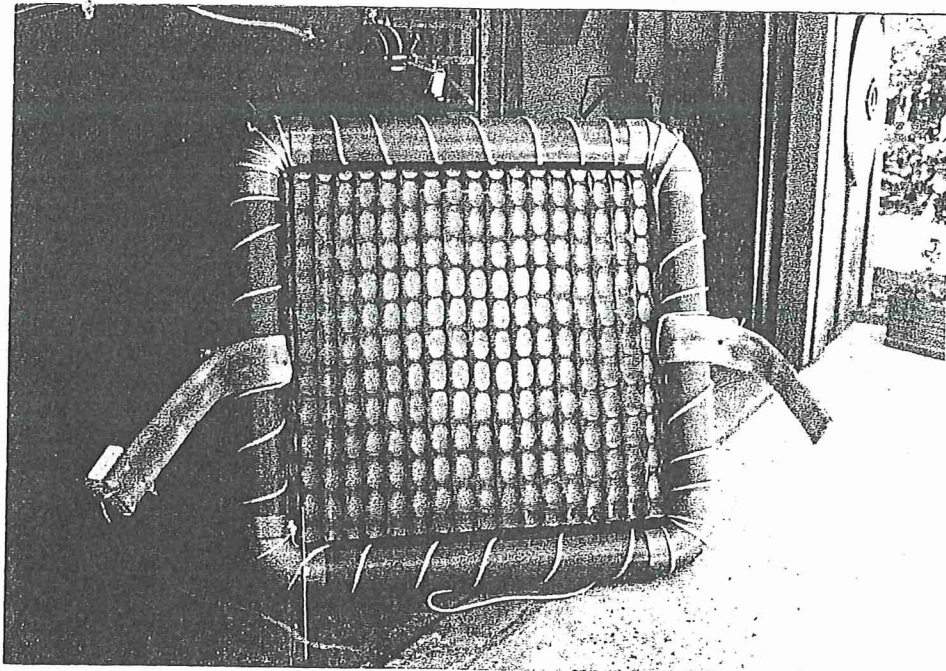


New Loon Platform design - 2002  
from Wisconsin



BOTTOM VIEW

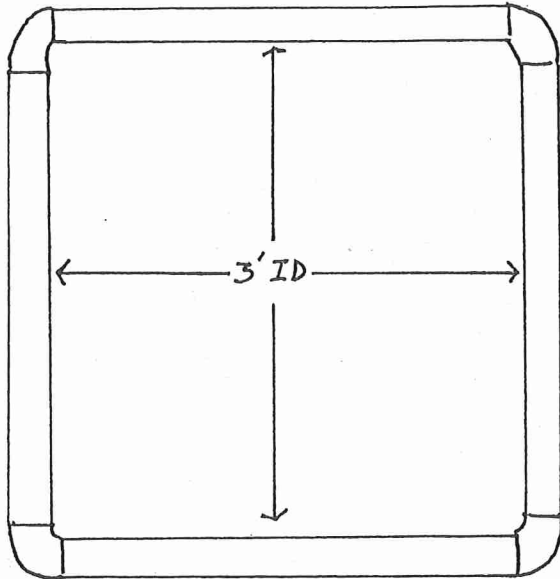


TOP VIEW

"ETERNAL" ARTIFICIAL LOON NESTING PLATFORM  
PROTO-TYPE DESIGN

S. S. GILLUM  
WI-DNR BISS

A. SUPPORT FRAME



4 - LENGTHS 6" GREY ABS

4 - 90° ABS

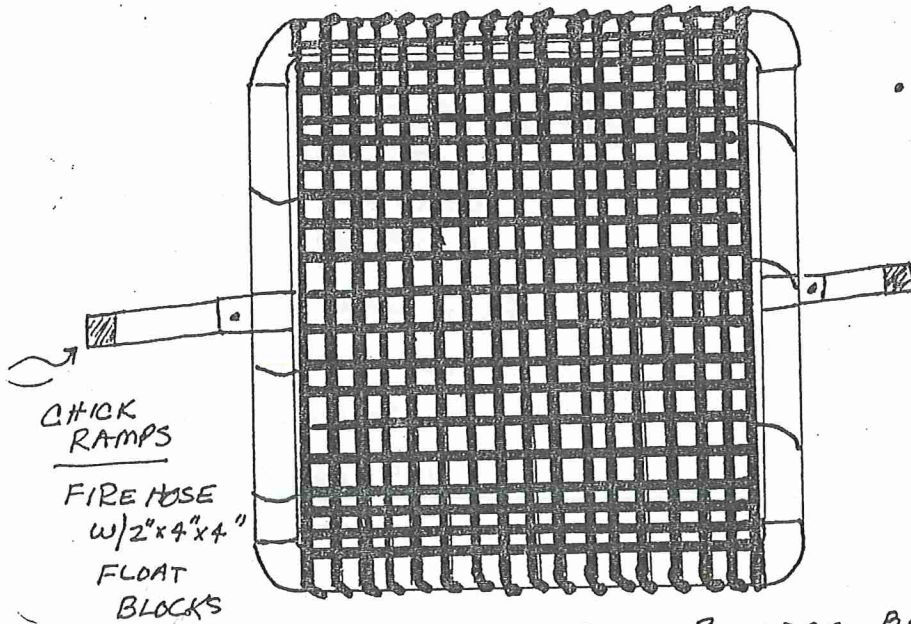
ABS GLUE

- CANS - MINIMAL FOAM  
SEALANT

- 1 TUBE LATEX CAULK

- TUBING FILLED W/FOAM SEALANT
- JOINTS SEALED W/GLUE AND CAULKED
- 180° SURFACE OF TUBING (ABOVE WATER/FLOATATION LINE ROUGH SANDED (TO ALLOW BIRDS PERCHAGE))
- SPRAY ABS 90°'S W/PLASTIC-ADHERING PAINT TO MATCH SIDE ABS

## B. FRAME - BOTTOM

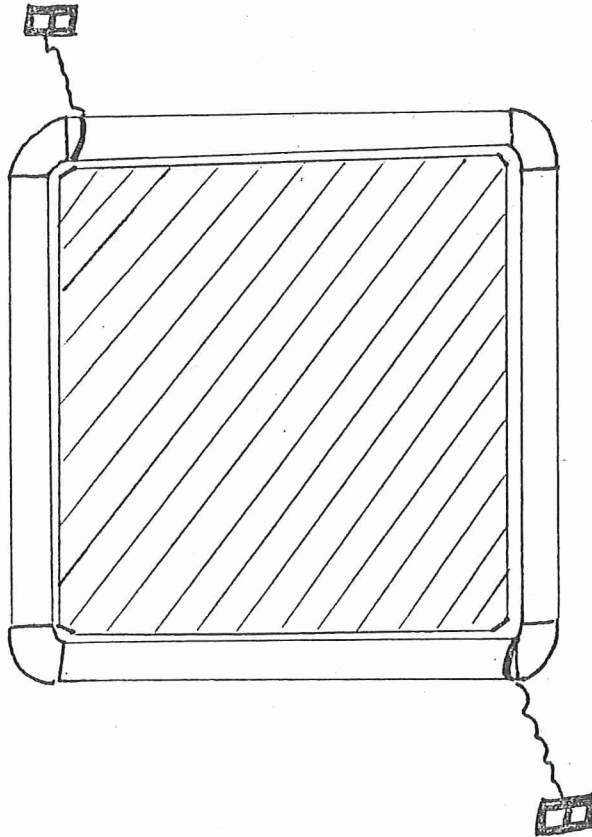


- DARK GREEN OR BLACK SNOW FENCING
- NYLON CORD

- SANDWICH 2 FOAM BOARDS BETWEEN FOLD LENGTH OF 4' SNOW FENCING -
- LASH FENCING TO BASE W/NYLON CORD (2 1/4")
  - OPPOSITE SIDES USING 1/2" VINYL COVERED ALUM. GARDEN STAKES AS FENCING SUPPORT
- LASH FENCING INTERMITTANTLY ON OPPOSING 2 SIDES




C. FRAME - TOP



2 - 2" FOAM INSULATION BOARD  
BACK TO BACK



2" FOAM INSULATION  
BOARD - CUT TO FIT I.D.  
(37' sq.) -  - ANGLED  
EDGE 36' + 2nd BOARD 37' sq.

POLY-CORD ANCHOR LINES  
TO CEMENT BLOCKS  
W/ ENOUGH LINE FOR  
16" FREE - AS SITE  
(BOARD)  
DICTATES

- FOAM BOARD TO BE SPRAY PAINTED GRAY or BLACK w/ APPROPRIATE  
PAINT TYPE

| Artificial Loon Nesting Platform - Low Maintenance/Extended Use Prototype |                                |           |                   |         |             |  |
|---|--------------------------------|-----------|-------------------|---------|-------------|--|
| NUMBER  | PART                           | COST      | COST/EACH         | UNIT(S) | COST/1 UNIT |  |
| 2   | 4"x 8' ABS (gray) sewer piping | \$ 6.98   | \$ 3.49           | 1.5     | \$ 4.65     |  |
| 4   | 90° ABS angle pipes (white)    | \$ 7.88   | \$ 1.97           | 1.0     | \$ 7.88     |  |
| 1   | 4' x 8' 2" foam board          | \$ 21.23  | \$ 21.23          | 1.0     | \$ 21.23    |  |
| 4   | cans: spray foam               | \$ 11.96  | \$ 2.99           | 1.0     | \$ 11.96    |  |
| 1   | tube latex caulk               | \$ 2.19   | \$ 2.19           | 2.0     | \$ 1.10     |  |
| 1   | gray spray paint (plastics)    | \$ 3.59   | \$ 3.59           | 1.0     | \$ 3.59     |  |
| 1   | 8' x 4' green snow fencing     | (donated) | 4'x100' = \$35.49 | 12.5    | \$ 2.84     |  |
| 1   | 3/8" x 50' poly cord           | \$ 5.99   | \$ 5.99           | 1.5     | \$ 3.99     |  |
| 1   | 1/4" x 100' poly cord          | \$ 6.29   | \$ 6.29           | 1.5     | \$ 4.19     |  |
| 2   | 33" lengths of 4" firehose     | (donated) |                   | 1.0     | \$ -        |  |
| 2   | 2" x 4" x 4" pine              | (donated) | 2"x4"x8' = \$2.80 | 24.0    | \$ 0.12     |  |
| 2   | 2" x 3/8" brass bolts          | (donated) | \$ 0.50           | 1.0     | \$ 1.00     |  |
| 4   | brass washers for 3/8" bolts   | (donated) | \$ 0.15           | 1.0     | \$ 0.60     |  |
| 2   | brass 3/8" nuts                | (donated) | \$ 0.20           | 1.0     | \$ 0.40     |  |
| 8   | galvanized 1" roofing nails    | (donated) | est. \$0.10       | 1.0     | est. \$0.10 |  |
| 1   | 4 oz can pipe cement           | \$ 1.79   | \$ 1.79           | 1.0     | \$ 1.79     |  |
| 3   | vinyl coated alum. 5' stakes   | \$ 3.57   | \$ 1.19           | 1.5     | \$ 2.38     |  |
| 2   | concrete blocks                | \$ 1.75   | \$ 0.87           | 1.0     | \$ 1.75     |  |
|   | Cost of prototype              | \$ 73.22  |                   |         |             |  |
|   | Cost / ALNP (w/o labor)        |           |                   |         | \$ 69.47    |  |

J.S. GILLUM  
E.I.A., INC.

## How to Plant a Loon Platform "Garden"

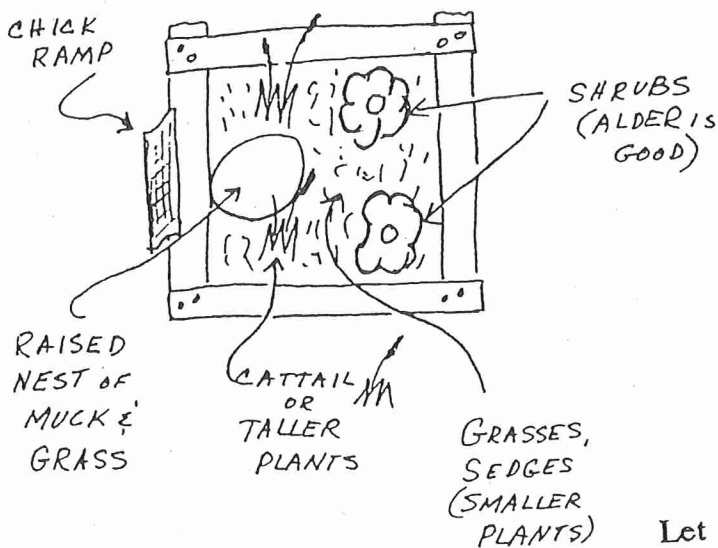
Equipment: Long handled spade  
 Hatchet or maddox  
 Chest waders (take care not to get stuck in the muck!)  
 Buckets to transport vegetation (it's heavy & wet) or small raft to tow behind boat

Vegetation: If possible find a nearby floating bog mat, emerging vegetation area, or marshy area. Dig out and chop off bucket size pieces of vegetation being sure to get intact roots and lots of muck. A variety of available plants including some small alder bushes, cattails, grasses, reeds, and sedges will work fine. Transport vegetation and muck to platform.

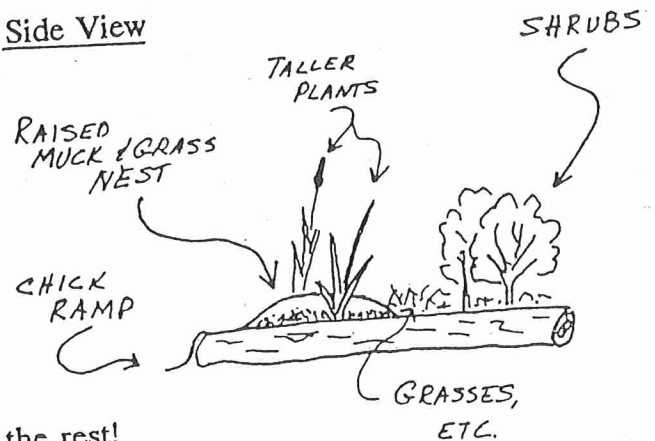
Planting "Garden": Loons will build their nest on a raised hump of grass and muck, so plant your platform with the nesting spot in mind. Form the raised nest with muck and grass (about 12" to 14" in diameter and about 4" to 6" high) and then surround it with the rest of the plants you have harvested. Arranging the small bushes, cattails, or reeds to provide the brooding loon with shade from intense sun may also shield the nest from raids by eagles and crows.

### SAMPLE PLATFORM "GARDEN"

#### Top View



#### Side View



Let the loons do the rest!