PROJECT RE**COOP**

FLOATING COOPS FOR A CHANGING ENVIRONMENT

FEED GREATNESS®

00 Purina Floating Chicken Coop
Scale: NA

Plate:

00

FRONT EXTERIOR

12 X 12 Vent
Frame rough opening to match part

70 1/8

12

12

100 1/8

45 7/8

91

99 1/8

102

LEFT EXTERIOR

109 1/2

1 1/8

14 x 21 Shed Windows
Oversize Rough opening
Trim out and cut siding to part

9 3/8

14 1/2   21

14 1/2   21

40 3/4

40 1/8

19 1/2

12 7/8

17 1/8

38 5/8

24

38 5/8

96

99

01 **Coop Exterior Front & Left**
Scale: 1/2" = 1'

REAR EXTERIOR

12 X 12 Vent
Frame rough opening to match part

70 1/8

12

100 1/8

45 7/8

19 1/2

99 1/8

102

RIGHT EXTERIOR

109 1/2

1 1/8

4 X 21 Shed Window

9 3/8

12 7/8

21 14 1/2

21 14 1/2

40 3/4

19 1/2

19 1/2

19 1/2

96

99
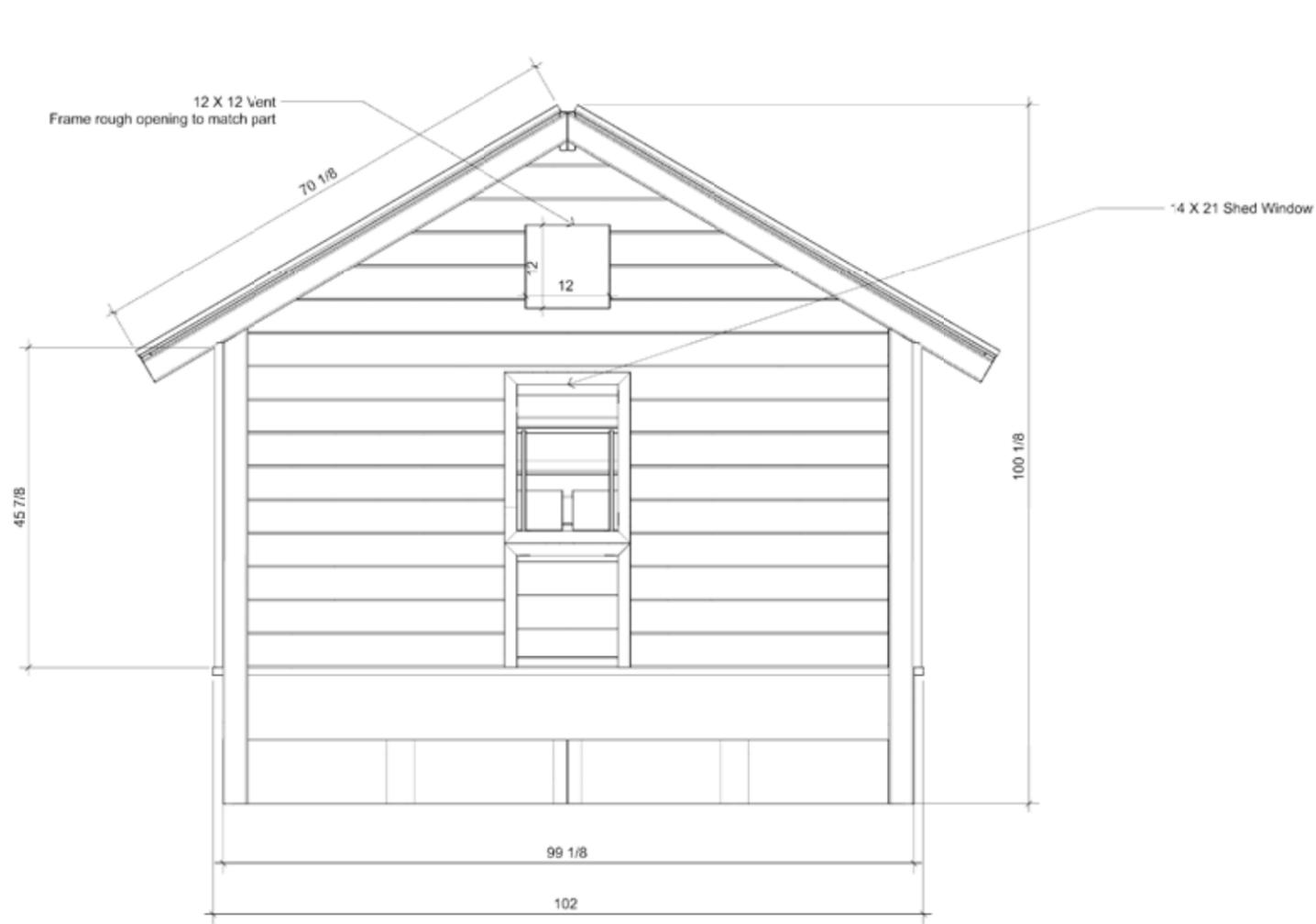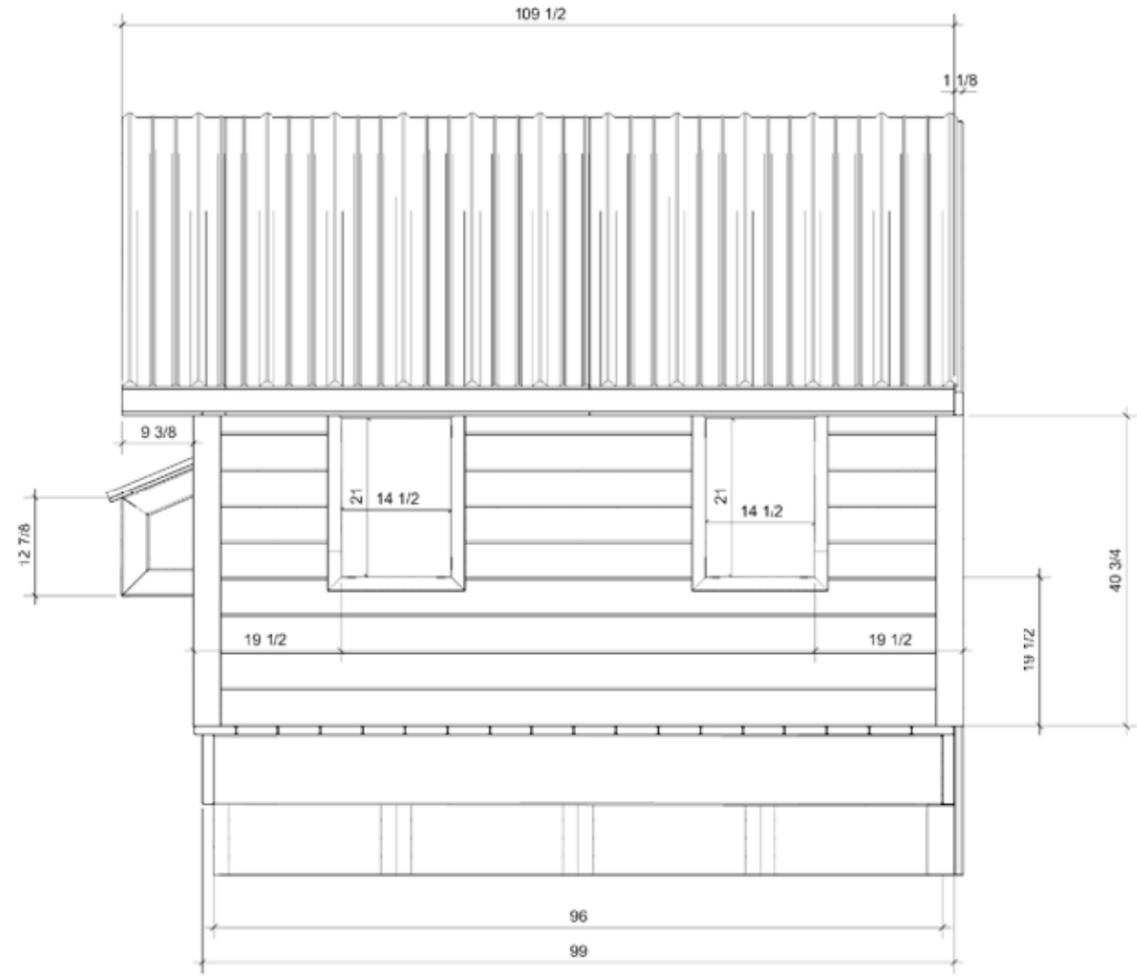
02 **Coop Exterior Rear & Right**
Scale: 1/2" = 1'

Scale: 1/2" = 1'

FRONT FRAMING

X-Ray View:
Toggle blocking for eaves

7:12 Roof Pitch

68 1/4
16
21 1/4
12
5/8
30.3°

Notch Roof Joists
NO Notch Fascia Board

10 5/8

88
16 7/8
7 1/8   16   16   16

45   48

14 1/2

1 1/8

94

LEFT FRAMING

109 1/2
16   16   16   16   16   16   2 1/4   11 1/4

10 1/2

40 3/8

24

17 1/2   16   4
37 1/2   37 1/2   1 1/8

---
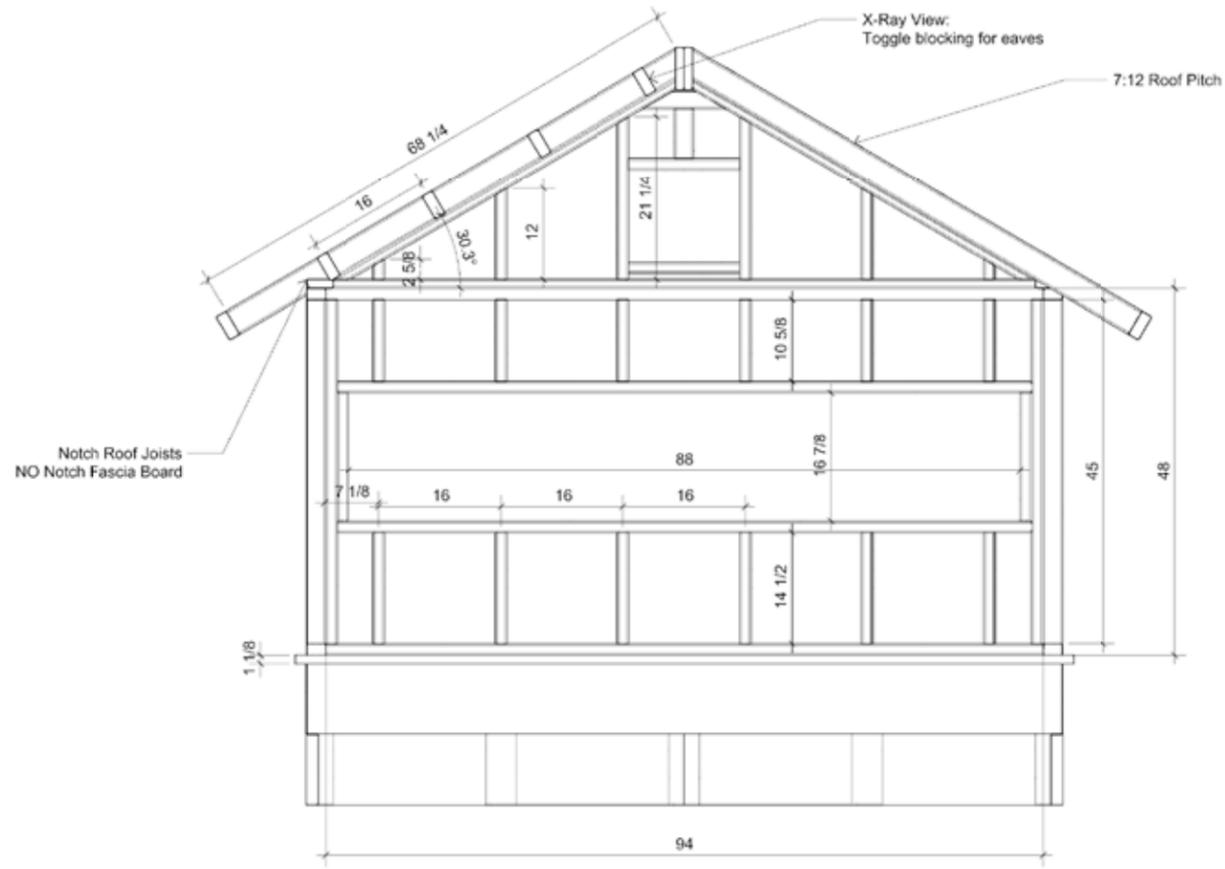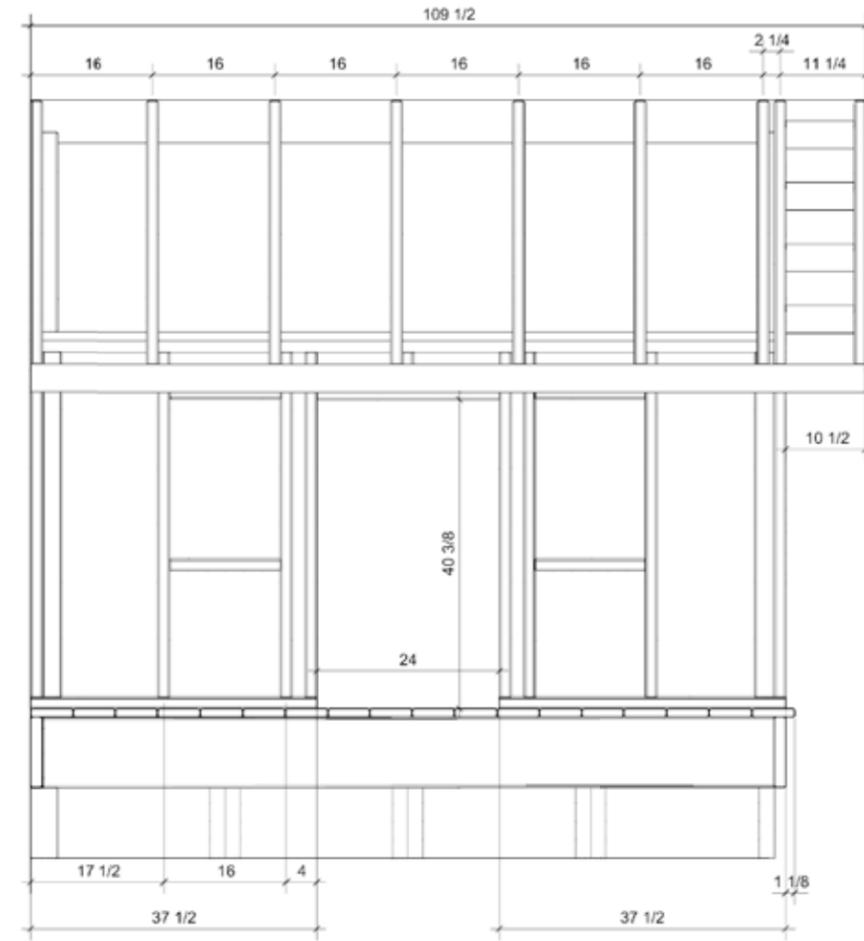
(03) **Coop Framing Front & Left**
Scale: 1/2" = 1'

REAR FRAMING

1 1/8

2 1/2

3 1/2

1 1/8

45

48

21

14 1/2

16

14 1/2

39 3/4

39 3/4

94

RIGHT FRAMING

99

40 1/2

19 1/2

2 1/2

17 1/2

16

16

16

16

17 1/2

99
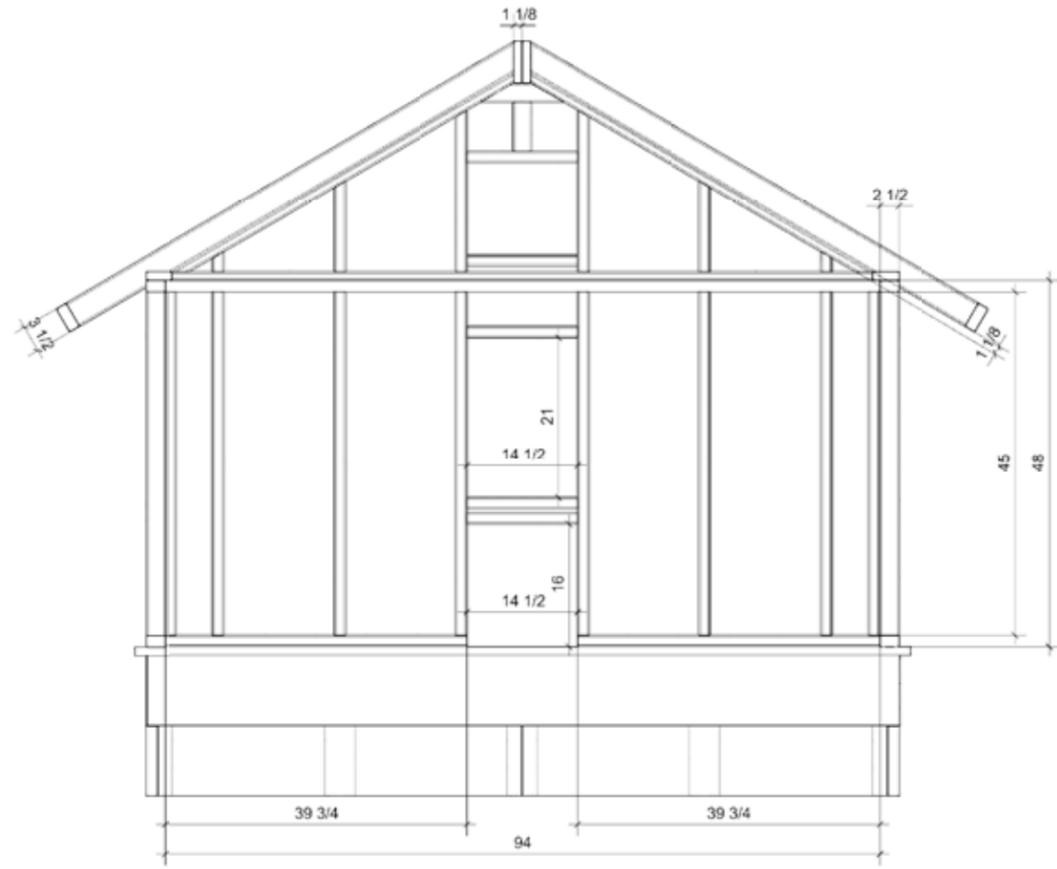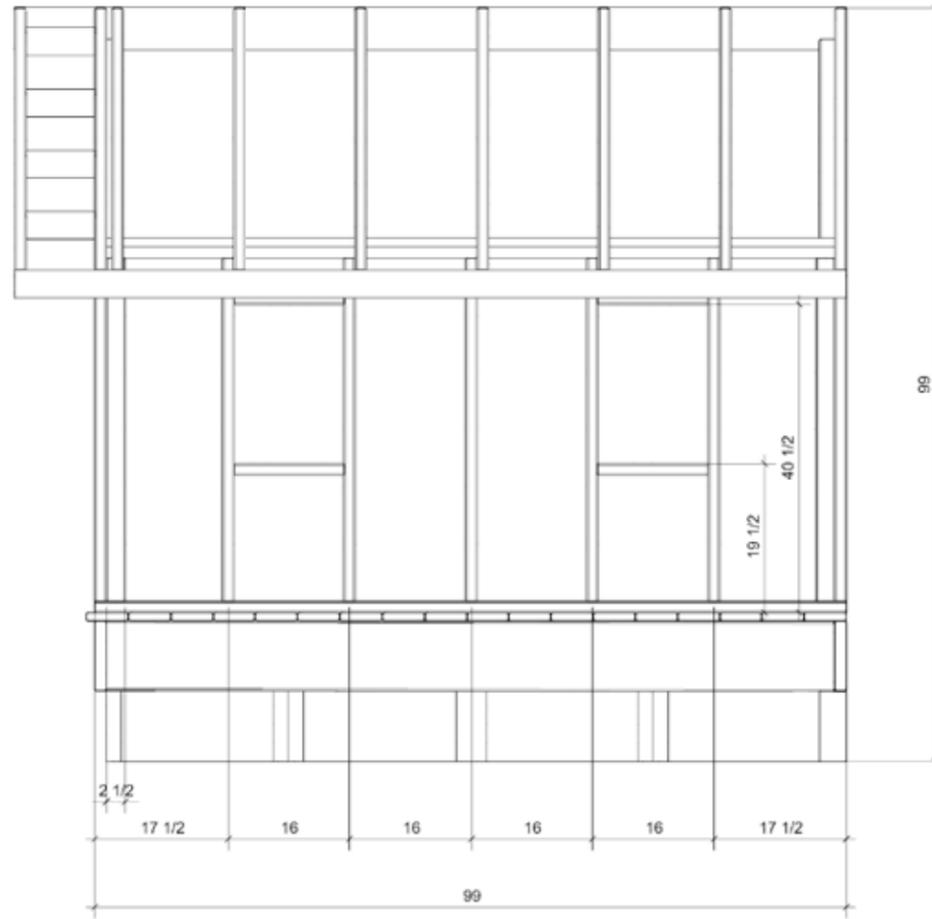
04 | **Coop Framing Rear and Right**
Scale: 1/2" = 1'
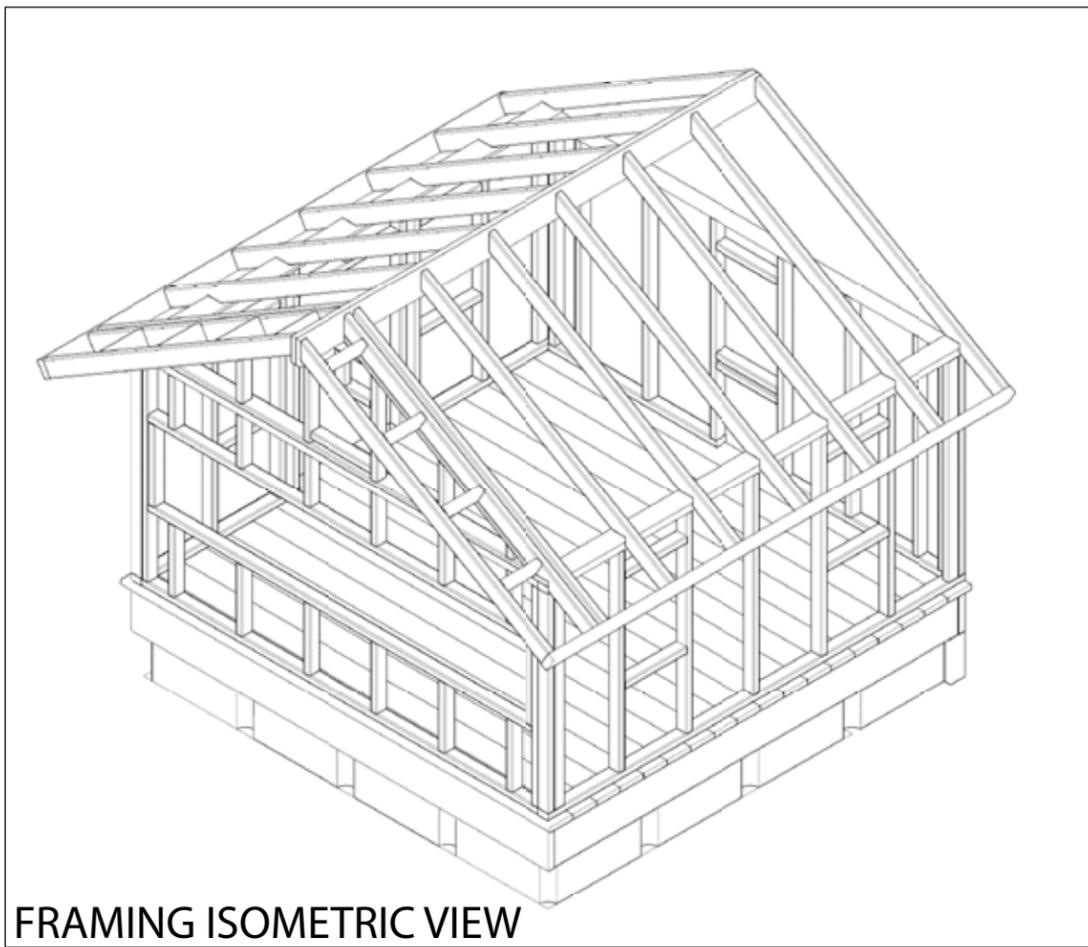
FRAMING ISOMETRIC VIEW
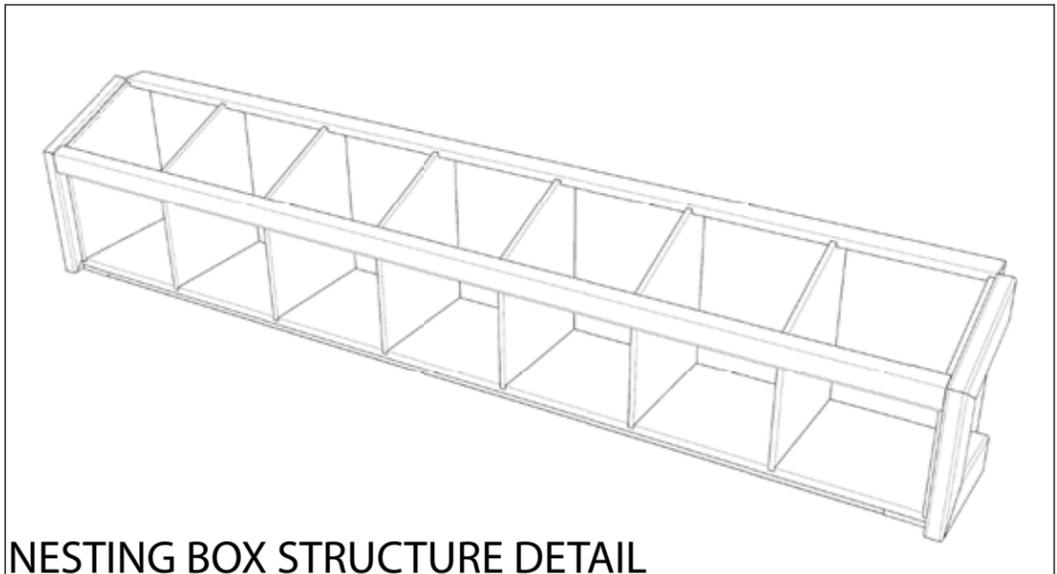
NESTING BOX STRUCTURE DETAIL
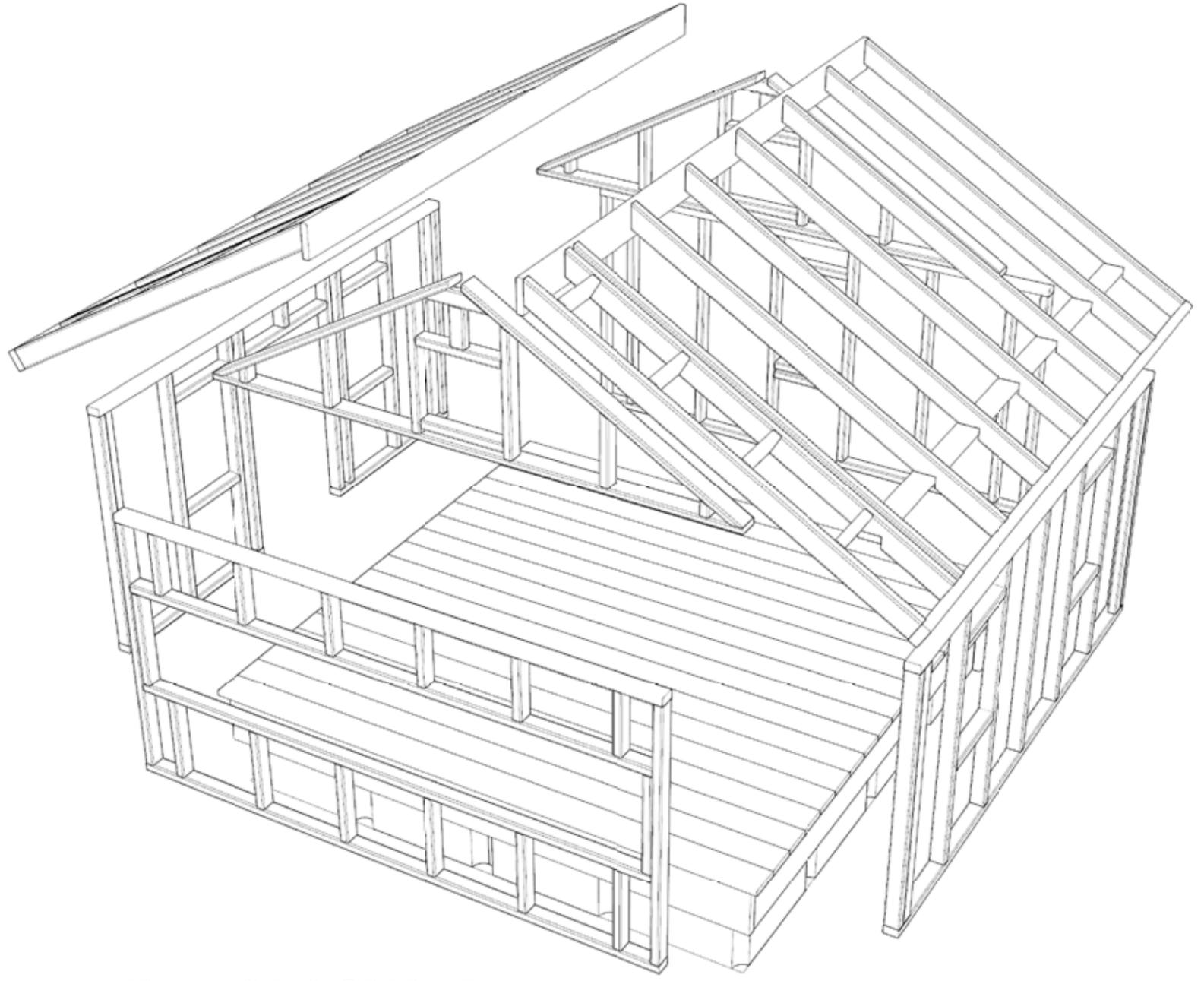
FRAMING EXPLODED VIEW

05 | **Coop Isometric & Exploded View**
Scale: NA

Bedford 1/2" Sheet Product

Trim out sides with Bedford 2 x 4

Nesting Box Door

Nesting Box Door
Install Appropriate Latch Hardware

Door Construction:
5/4 x 4 Mitered Frame
Groove Rabbeted out on rear of door
1/2" Bedford Sheetgood inset in Rabbet

1/2" Bedford Sheetgood

3/4" Fir Plywood

1 1/2

1/2

16

17 1/4

12

12   12   12   12   12   12   12

91

3/4" Fir Plywood
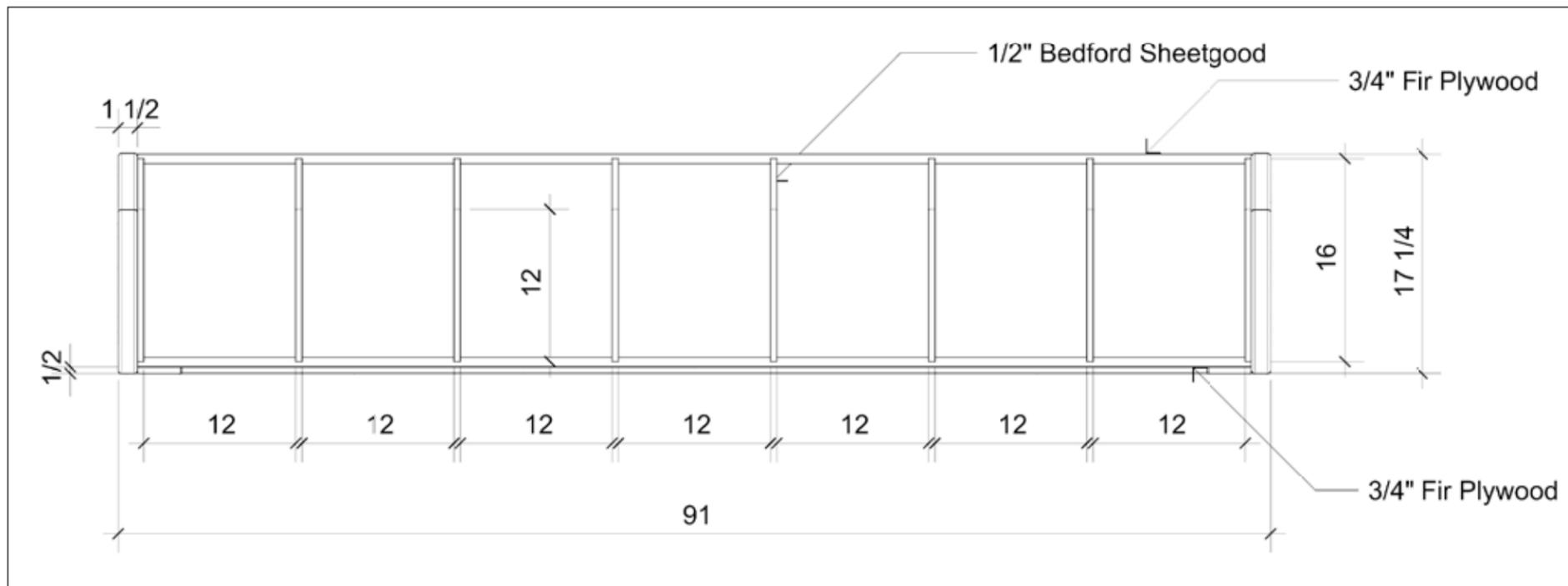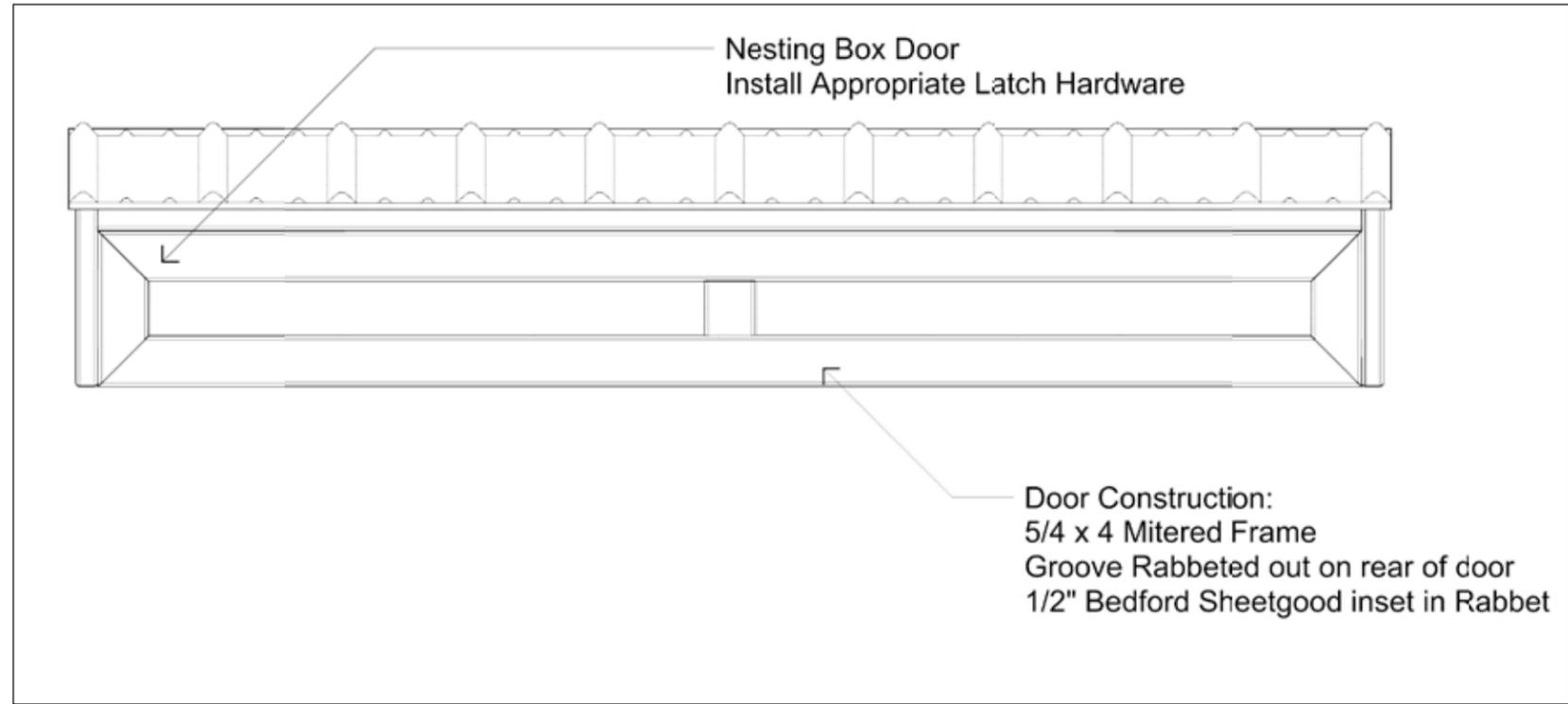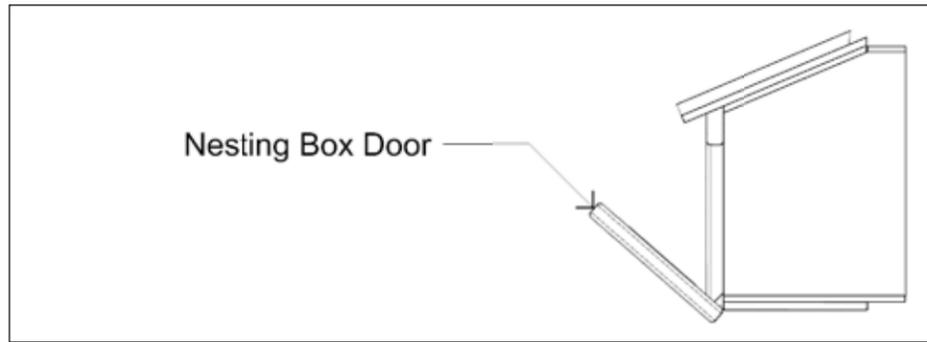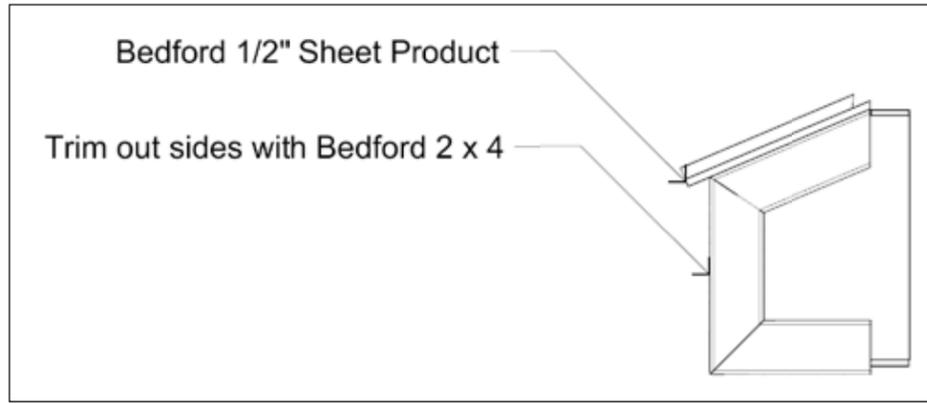
06 Nesting Box Detail
Scale: 1" = 1'

Scale: 1" = 1'

Plate:

06

Materials List

This is a very basic list of the materials and tools. Our hope is that these plans will inspire your own unique designs and maybe an entire fleet of floating coops will soon emerge.

Quantity	Lumber	Length (ft)
6	2x8	10
50	2x3	8
25	2x4	12
55	5/4 x 6	12
25	5/4 x 4	8

Materials Needed:

- 5 lb box of 1¼ inch Stainless Steel Screws
- 5 lb box of 2½ inch Stainless Steel Screws
- Metal Roofing
- 1-inch Roof Screws with Gasket
- 2 Metal Poles
- 2 Dock Floats
- 2 Dock Edge Floating Dock Hardware

Power Tools:

- Table Saw
- Chop Saw
- CNC Router
- Hand Router
- Drill
- Impact Driver
- Oscillating Multi-Tool
- Circular Saw
- Angle Grinder (for cutting the roofing to size)
- 16 ga Pneumatic Nail Gun
- 18 ga Pneumatic Nail Gun
- Air Compressor

Hand Tools:

- Hammer
- Tape Measure
- Speed Square
- T-50 Stapler
- Scissors
- Post Hole Digger

Notes:
Things we learned from building the prototype.

- Balance is key. We had an overhang and nesting boxes on one side which threw it off balance. We had to fill the opposing walls with concrete to balance it. Would recommend designing yours as balanced as possible. For example, equal number of nesting boxes off both sides would have helped.

- Build it in place. The coop was heavy. Recycled material is heavier than wood. If you can avoid moving it that would be ideal.

- Butting up to a chicken run is tricky. Need to be creative in designing a breakaway chicken ladder that is secure from predators. Another option is to have the run on the floats as well.

- Not too top-heavy. Adding things like cupolas and heavy shingles makes it more susceptible to being top-heavy.

- Dock floats and hardware are readily available in many size options. Ours were ordered from HomeDepot.com

- Poles can be purchased from any home store. But fencing suppliers will have taller and thicker options if the ones at your home center don't work. Don't forget to allow about 20% (or more) of the pole to be buried and cemented in so that the coop is secure in strong winds and water currents. Our protoype went where the max water depth was 6' so we went to a fencing supply company and got two 12' heavy gauge galvanized fence posts. 3' was buried and cemented into the ground. Make sure they are plumb or your coop will get hung up as it rises with the water level. We used two poles diagonally on each corner.

07 **Purina Floating Chicken Coop**
Scale: NA