



# 10'x16' Chicken Coop Plan

Up to 15 chickens

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**TRY PREMIUM** 

# 10'x16' chicken coop material list

#### **Site Preparation**

- Concrete
- Bricks

#### **Bottom Frame**

- Pressure-Treated Lumber
- Plywood

#### **Walls Frames**

• Pressure-Treated Lumber

#### Shed's Roof

- Pressure-Treated Lumber
- Pressure-Treated Board
- Plywood
- Building paper
- Asphalt shingles
- Metal drip edge

#### Front/Side Shed's Window

- Pressure-Treated Lumber
- Window beading
- Glass

#### **Walls Exterior Siding**

- Pressure-Treated Lumber
- Wood siding boards

#### **Top Frame**

• Pressure-Treated Lumber

#### **Fasteners & Hardware**

- Corner braces
- Galvanized nails
- Wood screws

### **Foundation Preparation**

**2.1** Fill the trenches to ground level with concrete and let cure, or harden. Since curing times vary between brands, read the packaging for recommended curing times.

**2.2** Once the concrete has cured, use standard-sized bricks and lay them across the foundation. You will need roughly 196 bricks for this step.





### Assemble the Left Part of the Front Wall Frame

**3.1** Using 2 x 4, 2 x 6 and 4 x 4 pressure-treated lumber, construct left part of the front wall frame using the drawing below as a reference. You will need thirteen boards cut to 8' and two boards cut to 6'-6 1/2'' that will be studs, two boards cut to 8' that will be the top and bottom beams, two boards cut to 2'-11" that will be the door header and one board cut to 1' that will be cripple stud.

**3.2** Using  $1/4 \times 3$  board, provide six blind bars 1'-5 1/4" long. To install them, as shown in Figure B-B on page 17, make 1/4 deep oblique cuts in the vertical surfaces of the studs and cripple stud.

**3.3** Connect the beams with 2x3" wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
Α	Stud	4x4	8'	1
В	Stud	2x4	8'	12
С	Stud	2x4	6'-6 1/2"	2
D	Top beam/ Bottom beam	2x4	8'	2
E	Cripple stud	2x4	1'	1
F	Door header	2x6	2'-11"	2
G	Blind bar	1/4 x 3	1'-5 1/4"	6



8'

STEP 3



**B-B**(1:6)







## Assemble the Right Part of the Front Wall Frame

4.1 Using 2 x 4, 2 x 6 and 4 x 4 pressure-treated lumber, construct right part of the front wall frame using the drawing below as a reference. You will need thirteen boards cut to 8' and three boards cut to 6'-6 1/2" that will be studs, two boards cut to 8' that will be the top and bottom beams, two boards cut to 3'-2 1/2" that will be the door header and one board cut to 1' that will be cripple stud.

4.2 Using 1/4 x 3 board, provide six blind bars 1'-7" long. To install them, as shown in Figure B-B on page 17, make 1/4 deep oblique cuts in the vertical surfaces of the studs and cripple stud.

4.3 Connect the beams with 2x3" wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
Α	Stud	4x4	8'	1
В	Stud	2x4	8'	12
С	Stud	2x4	6'-6 1/2"	3
D	Top beam/ Bottom beam	2x4	8'	2
E	Cripple stud	2x4	1'	1
F	Door header	2x6	3'-2 1/2"	2
G	Blind bar	1/4 x 3	1'-7"	6



8'

#### **Assemble Back Wall Frame**

5.1 Using 2x4 and 4x4 pressure-treated lumber, construct two mirrored halves that form the back wall frame using the drawing below as a reference. You will need ten boards cut to 6'-11" that will be the studs and four boards cut to 8' that will be the top and bottom beams.

5.2. Using 1/4 x 3 board, provide 42 blind bars 1'-9" long and 126 blind bars 2'-1/2" long. To install them, as shown in Figure B-B on page 17, make 1/4 deep oblique cuts in the vertical surfaces at the studs with the same pitch by full stud length.

5.3 Connect the beams with 2x3" wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
А	Stud	4x4	6'-11"	2
В	Stud	2x4	6'-11"	8
С	Top beam/ Bottom beam	2x4	8'	4
D	Blind bar	1/4 x 3	1'-9"	42
E	Blind bar	1/4 x 3	2'-1/2"	126





#### **Assemble the Top Beams**

**6.1** Assemble the beams using  $2 \times 4$  pressure-treated lumber for the front and back walls. You will need four boards cut to 4' and two boards cut to 8'.

6.2 Connect the beams with 3" wood screws.

Pos	Description	Material	Dimension	Qty
Α	Top beam	2x4	4'	4
В	Top beam	2x4	8'	2





## **Assemble the Roof Frame**

**7.1** Using 2 x 6 pressure-treated lumber, cut fourteen rafters 10'-10 1/4" long according to the dimensions in drawing below. Cut the recesses in each beam for splicing connection with wall frames.

7.2 Connect the beams with a top frame with the help of 5" wood screws.

Pos	Description	Material	Dimension	Qty
А	Rafters	2x6	10'-10 1/4"	14





#### **Assemble Side Wall Frames**

**8.1** Using 2 x 4 pressure-treated lumber, construct left and right walls frames using the drawing below as a reference. For each wall you will need one beam cut to 7'-4 1/4", one beam cut to 7'-5", one beam cut to 7'-5 3/4", one beam cut to 7'-6 1/2", one beam cut to 7'-7", one beam cut to 7'-9 3/4", one beam cut to 7'-10 1/2", one beam cut to 7'-11", one beam cut to 7'-11 3/4", one beam cut to 8'-1/2", one beam cut to 7'-2 1/4" that will be studs and one beam cut to 9'-5" that will be bottom beam.

**8.2** Connect the beams with 3" wood screws. Cut the top edge of each stud to connect them with rafters.

Pos	Description	Material	Dimension	Qty
Α	Studs	2x4	7'-4 1/4"	2
В	Studs	2x4	7'-5"	2
С	Studs	2x4	7'-5 3/4"	2
D	Studs	2x4	7'-6 1/2"	2
E	Studs	2x4	7'-7"	2
F	Studs	2x4	7'-9 3/4"	2
G	Studs	2x4	7'-10 1/2"	2
н	Studs	2x4	7'-11"	2
I	Studs	2x4	7'-11 3/4"	2
J	Studs	2x4	8'-1/2"	2
к	Studs	2x4	8'-2 1/2"	2
L	Studs	2x4	7'-2 1/4"	2
м	Bottom frame	2x4	9'-5"	2

## Framing the Coop's Floor

**10.1** Assemble the frame using  $2 \times 8$  pressure-treated lumber. You will need six boards cut to 5'-6 1/4" that will be the joist.

**10.2** Secure the beams with 3" wood screws.

Pos	Description	Material	Dimension	Qty
A	Joist	2x8	5'-6 1/4"	6



# **Assemble Inner Left Wall Frame**

**13.1** Using 2x4 pressure-treated lumber, construct inner left wall frame using the drawing below as a reference. You will need eight boards cut to 6'-4 3/4'' that will be studs, two boards cut to 9'-5'' that will be top and bottom beams and one board cut to 1'-2 1/2'' that will be chicken door header.

**13.2** Connect the beams with 3" wood screws.

Pos	Description	Material	Dimension	Qty
А	Studs	2x4	6'-4 3/4"	8
В	Top/bottom beam	2x4	9'-5"	2
С	Chicken door header	2x4	1'-2 1/2"	1



# Assemble the Left Inner Wall Gable Wall Studs

**14.1** Using 2x4 pressure-treated lumber, cut seven gable studs as shown in the illustration below.

**14.2** You will need one board cut to 1'-1/2", one board cut to 11", one board cut to 9", one board cut to 7 1/4", one board cut to 5 1/2", one board cut to 3 3/4" and one board cut to 2".

**14.3** Cut the top edge of each stud to connect them with rafters.

**14.4** Connect the beams with 2x3" wood screws.

Pos	Description	Material	Dimension	Qty
А	Studs	2x4	1'-1/2"	1
В	Studs	2x4	11"	1
С	Studs	2x4	9"	1
D	Studs	2x4	7 1/4"	1
E	Studs	2x4	5 1/2"	1
F	Studs	2x4	3 3/4"	1
G	Studs	2x4	2"	1



## **Assemble Back Wall Inner Frame**

**21.1** Using 2x4 pressure-treated lumber, construct inner wall frame using the drawing below as a reference. You will need four boards cut to 6'-7 3/4" that will be studs.

**21.2** Connect the beams with 5" wood screws to the outer studs.



# Install Plywood for the Back Wall

**23.1** Cut sheet of 5/8" plywood for the back wall sheathing using the drawing below as a guide. You will need one 3'-8 3/4" x 6'-7 3/4" sheet and one 1'-7 3/4" x 6'-7 3/4" sheet.

Pos	Description	Material	Dimension	Qty
A	Wall sheathing	5/8" Plywood	3'-8 3/4" x 6'-7 3/4"	1
В	Wall sheathing	5/8" Plywood	1'-7 3/4" x 6'-7 3/4"	1



# **Install Plywood for the Right Wall**

**26.1** Cut sheet of 5/8" plywood for the right wall sheathing using the drawing below as a guide. You will need one 3'-3 3/4" x 7'-1/2" sheet, one 4' x 7'-6" sheet and one 1'-7 3/4" x 7'-8 1/4" sheet.

Pos	Description	Material	Dimension	Qty
А	Wall sheathing	5/8" Plywood	3'-3 3/4" x 7'-1/2"	1
В	Wall sheathing	5/8" Plywood	4' x 7'-6"	1
С	Wall sheathing	5/8" Plywood	1'-7 3/4" x 7'-8 1/4"	1



## **Install Plywood for the Front Wall**

**29.1** Cut sheet of 5/8" plywood for the right wall sheathing using the drawing below as a guide. You will need one 1'-7" x 2'-8 1/4" sheet, one 2'-4 1/4" x 7'-7 3/4" sheet and one 4 1/4" x 2'-8 1/4" sheet.

Pos	Description	Material	Dimension	Qty
А	Wall sheathing	5/8" Plywood	1'-7" x 2'-8 1/4"	1
В	Wall sheathing	5/8" Plywood	2'-4 1/4" x 7'-7 3/4"	1
С	Wall sheathing	5/8" Plywood	4 1/4" x 2'-8 1/4"	1



# Install Plywood for the Roof

**32.1** Cut sheet of 5/8" plywood for the roof sheathing using the drawing below as a guide. You will need four 4' x 8' sheets and two 3'-4 1/4" x 8' sheets.

Pos	Description	Material	Dimension	Qty
А	Roof sheathing	5/8" Plywood	4' x 8'	4
В	Roof sheathing	5/8" Plywood	3'-4 1/4" x 8'	2



# **Coop's Roof Sheathing Installation**

**34.1** You will need 183 Sq Ft of building paper and asphalt shingle roofing.

**34.2** Cover the plywood and drip edge with building paper. Try to install sheets with 1" overlapping. Use 2" nails to secure the sheets.

**34.3** Install asphalt shingle roofing using an industrial stapler.

Pos	Description	Material	Dimension	Qty
А	Roof sheathing	Asphalt shingle roofing	-	183 square.ft
В	Roof sheathing	Building paper	-	183 square.ft



### Assemble and Install Coop's Front Door

**36.1** Build the door frame using  $2x^2$  and  $2x^4$  pressure-treated lumber. You will need two boards cut to 5'-11 3/4", seven boards cut to 5'-8 3/4" that will be the vertical girts and two boards cut to 2'-4 1/2" that will be the horizontal girts.

**36.2** Prepare the 5/8" plywood sheets for inner and outer sheathing. You will need one 2'-4 1/2" x 5'-8 3/4" sheet and one 2'-7 1/2" x 5'-11 3/4" sheet for the door according to the drawing.

**36.3** Cut sheet of 3" foam board insulation for the door sheathing. You will need to cut one  $2'-4 1/2" \times 5'-8 3/4"$  sheet.

**36.4** Install three 3" door hinges using 6x1" wood screws. Finish the door installation by attaching 6" door pull.

Pos	Description	Material	Dimension	Qty
Α	Girt	2x4	5'-11 3/4"	2
В	Girt	2x4	2'-4 1/2"	2
С	Girt	2x2	5'-8 3/4"	7
D	Door sheathing	5/8" Plywood	2'-4 1/2" x 5'-8 3/4"	1
E	Foam board	3"	2'-4 1/2" x 5'-8 3/4"	1
F	Door sheathing	5/8" Plywood	2'-7 1/2" x 5'-11 3/4"	1



## **Assemble and Install Aviary Front Door**

**37.1** Build the door frame using 2x2 and 2x4 pressure-treated lumber.

You will need two boards cut to 6'-6", seven boards cut to 6'-3" that will be the vertical girts one board cut to 6'-8 1/4" that will be cross brace and two boards cut to 2'-4 1/2" that will be the horizontal girts.

**37.2** Install three 3" door hinges using 6x1" wood screws. Finish the door installation by attaching 6" door pull.

Pos	Description	Material	Dimension	Qty
Α	Girt	2x4	6'-6"	2
В	Girt	2x4	2'-4 1/2"	2
С	Girt	2x2	6'-3"	7
D	Cross brace	2x4	6'-8 1/4"	1



# **Mesh Wall Installation**

**39.1** Cover the walls with 1/4" wire mesh with the help of industrial stapler. You will need 225 sq ft.







# **Assemble The Roost**

**41.1** Assemble the roost using  $2 \times 2$  and  $2 \times 3$  pressure-treated material. You will need four boards cut to 3'-7'' and six boards cut to  $4'-3 \times 1/2''$ .

**41.2** Connect the beams with 2" wood screws.

**41.3** Install the roost at the studs with the help of 3" screws.

Pos	Description	Material	Dimension	Qty
A	Girt	2x3	3'-7"	4
В	Girt	2x2	4'-3 1/2"	6



# Assemble and Install Notched-Stringer Stairs

**42.1** Using 2 x 6 and 2 x 8 pressure-treated lumber, construct stairs elements, using the drawing below as a reference. You will need three boards cut to 1'-2" that will be the stringers and two boards cut to 3'-1" that will be treads.

**42.2** Connect the beams with 3" wood screws.

Pos	Description	Material	Dimension	Qty
Α	Stringer	2x8	1'-2"	3
В	Tread	2x6	3'-1"	2







# 3m x 4,8m Chicken Coop Plan

Up to 15 chickens

### **Foundation Preparation**

**2.1** Fill the trenches to ground level with concrete and let cure, or harden. Since curing times vary between brands, read the packaging for recommended curing times.

**2.2** Once the concrete has cured, use standard-sized bricks and lay them across the foundation. You will need roughly 196 bricks for this step.



### Assemble the Left Part of the Front Wall Frame

**3.1** Using 50mm x 100mm, 50mm x 150mm and 100mm x 100mm pressure-treated lumber, construct left part of the front wall frame using the drawing below as a reference. You will need thirteen boards cut to 2438mm and two boards cut to 1994mm that will be studs, two boards cut to 2438mm that will be the top and bottom beams, two boards cut to 889mm that will be the door header and one board cut to 305mm that will be cripple stud.

**3.2** Using 6mm x 93mm board, provide six blind bars 438mm long. To install them, as shown in Figure B-B on page 83, make 6mm deep oblique cuts in the vertical surfaces of the studs and cripple stud.

**3.3** Connect the beams with 75mm wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
А	Stud	100x100	2438	1
В	Stud	50x100	2438	12
С	Stud	50x100	1994	2
D	Top beam/ Bottom beam	50x100	2438	2
Е	Cripple stud	50x100	305	1
F	Door header	50x150	889	2
G	Blind bar	6x93	438	6



### Assemble the Right Part of the Front Wall Frame

4.1 Using 50mm x 100mm, 50mm x 150mm and 100mm x 100mm pressure-treated lumber, construct right part of the front wall frame using the drawing below as a reference. You will need thirteen boards cut to 2438mm and three boards cut to 1994mm that will be studs, two boards cut to 2438mm that will be the top and bottom beams, two boards cut to 978mm that will be the door header and one board cut to 305mm that will be cripple stud.

4.2 Using 6mm x 93mm board, provide six blind bars 483mm long. To install them, as shown in Figure B-B on page 83, make 6mm deep oblique cuts in the vertical surfaces of the studs and cripple stud.

4.3 Connect the beams with 75mm wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.

Pos	Description	Material	Dimension	Qty
Α	Stud	100x100	2438	1
В	Stud	50x100	2438	12
С	Stud	50x100	1994	3
D	Top beam/ Bottom beam	50x100	2438	2
E	Cripple stud	50x100	305	1
F	Door header	50x150	978	2
G	Blind bar	6x93	483	6



#### **Assemble Back Wall Frame**

**5.1** Using 50mm x 100mm and 100mm x 100mm pressure-treated lumber, construct two mirrored halves that form the back wall frame using the drawing below as a reference. You will need ten boards cut to 2108mm that will be the studs and four boards cut to 2438mm that will be the top and bottom beams.

**5.2**. Using 6mm x 93mm board, provide 42 blind bars 514mm long and 126 blind bars 584mm long. To install them, as shown in Figure B-B on page 83, make 6mm deep oblique cuts in the vertical surfaces at the studs with the same pitch by full stud length.

**5.3** Connect the beams with 75mm wood screws. Using a speed square or carpenter's square, check the corners to make sure they are 90°.



#### **Assemble the Top Beams**

**6.1** Assemble the beams using 50mm x 100mm pressure-treated lumber for the front and back walls. You will need four boards cut to 1219mm and two boards cut to 2438mm.

6.2 Connect the beams with 75mm wood screws.

Pos	Description	Material	Dimension	Qty
А	Top beam	50x100	1219	4
В	Top beam	50x100	2438	2





# **Assemble the Roof Frame**

**7.1** Using 50mm x 150mm pressure-treated lumber, cut fourteen rafters 3310mm long according to the dimensions in drawing below. Cut the recesses in each beam for splicing connection with wall frames.

7.2 Connect the beams with a top frame with the help of 125mm wood screws.

Pos	Description	Material	Dimension	Qty
Α	Rafters	50x150	3310	14





#### **Assemble Side Wall Frames**

**8.1** Using 50mm x 100mm pressure-treated lumber, construct left and right walls frames using the drawing below as a reference. For each wall you will need one beam cut to 2245mm, one beam cut to 2262mm, one beam cut to 2279mm, one beam cut to 2296mm, one beam cut to 2313mm, one beam cut to 2398mm, one beam cut to 2415mm, one beam cut to 2432mm, one beam cut to 2449mm, one beam cut to 2505mm, one beam cut to 2189mm that will be studs and one beam cut to 2870mm that will be bottom beam.

**8.2** Connect the beams with 75mm wood screws. Cut the top edge of each stud to connect them with rafters.

Pos	Description	Material	Dimension	Qty
A	Studs	50x100	2245	2
В	Studs	50x100	2262	2
С	Studs	50x100	2279	2
D	Studs	50x100	2296	2
E	Studs	50x100	2313	2
F	Studs	50x100	2381	2
G	Studs	50x100	2398	2
н	Studs	50x100	2415	2
	Studs	50x100	2432	2
J	Studs	50x100	2449	2
к	Studs	50x100	2505	2
L	Studs	50x100	2189	2
М	Bottom frame	50x100	2870	2



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### Framing the Coop's Floor

**10.1** Assemble the frame using 50mm x 200mm pressure-treated lumber. You will need six boards cut to 1683mm that will be the joist.

**10.2** Secure the beams with 75mm wood screws.

Pos	Description	Material	Dimension	Qty
A	Joist	50x200	1683	6



## **Assemble Inner Wall Frame**

**13.1** Using 50mm x 100mm pressure-treated lumber, construct inner wall frame using the drawing below as a reference. You will need eight boards cut to 1946mm that will be studs, two boards cut to 2870mm that will be top and bottom beams and one board cut to 368mm that will be chicken door header.

**13.2** Connect the beams with 75mm wood screws.

Pos	Description	Material	Dimension	Qty
Α	Studs	50x100	1946	8
В	Top/bottom beam	50x100	2870	2
С	Chicken door header	50x100	368	1



# Assemble the Inner Wall Gable Wall Studs

**14.1** Using 50mm x 100mm pressure-treated lumber, cut seven gable studs as shown in the illustration below.

**14.2** You will need one board cut to 320mm, one board cut to 277mm, one board cut to 232mm, one board cut to 186mm, one board cut to 141mm, one board cut to 96mm and one board cut to 50mm.

**14.3** Cut the top edge of each stud to connect them with rafters.

14.4 Connect the beams with 75mm wood screws.

Pos	Description	Material	Dimension	Qty
Α	Studs	50x100	320	1
В	Studs	50x100	277	1
С	Studs	50x100	232	1
D	Studs	50x100	186	1
E	Studs	50x100	141	1
F	Studs	50x100	96	1
G	Studs	50x100	50	1



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### Install Plywood for the Inner Wall

**20.1** Cut sheets of 15mm plywood for the front wall sheathing using the drawing below as a guide. You will need one 1200mm x 2341mm sheet, one 1219mm x 2207mm sheet and one 413mm x 2025mm sheet. Provide cutting for the chicken door.

Pos	Description	Materi	al	C	Dimension		Qty			
А	Wall sheathing	15mm plyv	wood	1	200 x 2341		1		50mm scre	ws
В	Wall sheathing	15mm plyv	wood	1	219 x 2207		1			
С	Wall sheathing	15mm plyv	wood	4	13 x 2025		1			
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# Install Plywood for the Back Wall

**23.1** Cut sheet of 15mm plywood for the back wall sheathing using the drawing below as a guide. You will need one 1133mm x 2025mm sheet and one 502mm x 2025mm sheet.

Pos	Description	Material	Dimension	Qty
A	Wall sheathing	15mm plywood	1133 x 2025	1
В	Wall sheathing	15mm plywood	502 x 2025	1



# Install Plywood for the Right Wall

**26.1** Cut sheet of 15mm plywood for the right wall sheathing using the drawing below as a guide. You will need one 1006mm x 2149mm sheet, one 1219mm x 2285mm sheet and one 502mm x 2341mm sheet.

Pos	Description	Material	Dimension	Qty
А	Wall sheathing	15mm plywood	1006 x 2149	1
В	Wall sheathing	15mm plywood	1219 x 2285	1
С	Wall sheathing	15mm plywood	502 x 2341	1



## **Install Plywood for the Front Wall**

**29.1** Cut sheet of 15mm plywood for the right wall sheathing using the drawing below as a guide. You will need one 483mm x 816mm sheet, one 714mm x 2331mm sheet and one 105mm x 816mm sheet.

Pos	Description	Material	Dimension	Qty
А	Wall sheathing	15mm plywood	483 x 816	1
В	Wall sheathing	15mm plywood	714 x 2331	1
С	Wall sheathing	15mm plywood	105 x 816	1





# Install Plywood for the Roof

**32.1** Cut sheet of 15mm plywood for the roof sheathing using the drawing below as a guide. You will need four 1219mm x 2438mm sheets and two 1024mm x 2438mm sheets.

Pos	Description	Material	Dimension	Qty
А	Roof sheathing	15mm plywood	1219 x 2438	4
В	Roof sheathing	15mm plywood	1024 x 2438	2



# **Coop's Roof Sheathing Installation**

**34.1** You will need 17 Sq meters of building paper and asphalt shingle roofing.

**34.2** Cover the plywood and drip edge with building paper. Try to install sheets with 25mm overlapping. Use 50mm nails to secure the sheets.

**34.3** Install asphalt shingle roofing using an industrial stapler.

Pos	Description	Material	Dimension	Qty
Α	Roof sheathing	Asphalt shingle roofing	-	17 square.meters
В	Roof sheathing	Building paper	-	17 square.meters



#### Assemble and Install Coop's Front Door

**36.1** Build the door frame using 50mm x 50mm and 100mm x 100mm pressure-treated lumber. You will need two boards cut to 1819mm, seven boards cut to 1743mm that will be the vertical girts and two boards cut to 724mm that will be the horizontal girts.

**36.2** Prepare the 15mm plywood sheets for inner and outer sheathing. You will need one 800mm x 1819mm sheet and one 724mm x 1743mm sheet for the door according to the drawing.

**36.3** Cut sheet of 75mm foam board insulation for the door sheathing. You will need to cut one 724mm x 1743mm sheet.

**36.4** Install three 75mm door hinges using 6x25mm wood screws. Finish the door installation by attaching 150mm door pull.

Pos	Description	Material	Dimension	Qty
А	Girt	50x100	1819	2
В	Girt	50x100	724	2
С	Girt	50x50	1743	7
D	Door sheathing	15mm Plywood	800 x 1819	1
E	Foam board	75mm	724 x 1743	1
F	Door sheathing	15mm Plywood	724 x 1743	1



# **Assemble and Install Aviary Front Door**

**37.1** Build the door frame using 50mm x 50mm and 50mm x 100mm pressure-treated lumber. You will need two boards cut to 1981mm, seven boards cut to 1905mm that will be the vertical girts one board cut to 2036mm that will be cross brace and two boards cut to 724mm that will be the horizontal girts.

**37.2** Install three 75mm door hinges using 6x25mm wood screws. Finish the door installation by attaching 150mm door pull.

Pos	Description	Material	Dimension	Qty
Α	Girt	50x100	1981	2
В	Girt	50x100	724	2
С	Girt	50x50	1905	7
D	Cross brace	50x100	2036	1



# **Mesh Wall Installation**

**39.1** Cover the walls with 5mm wire mesh with the help of industrial stapler. You will need 22 sq m.







# **Assemble The Roost**

**41.1** Assemble the roost using 50mm x 50mm and 50mm x 75mm pressure-treated material. You will need four boards cut to 1094mm and six boards cut to 1308mm.

**41.2** Connect the beams with 50mm wood screws.

**41.3** Install the roost at the studs with the help of 75mm screws.

Pos	Description	Material	Dimension	Qty
Α	Girt	50x75	1094	4
В	Girt	50x50	1308	6



# **Assemble and Install Notched-Stringer Stairs**

**42.1** Using 50mm x 150mm and 50mm x 200mm pressure-treated lumber, construct stairs elements, using the drawing below as a reference. You will need three boards cut to 354mm that will be the stringers and two boards cut to 940mm that will be treads.

**42.2** Connect the beams with 75mm wood screws.

Pos	Description	Material	Dimension	Qty
Α	Stringer	50x200	354	3
В	Tread	50x150	940	2





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