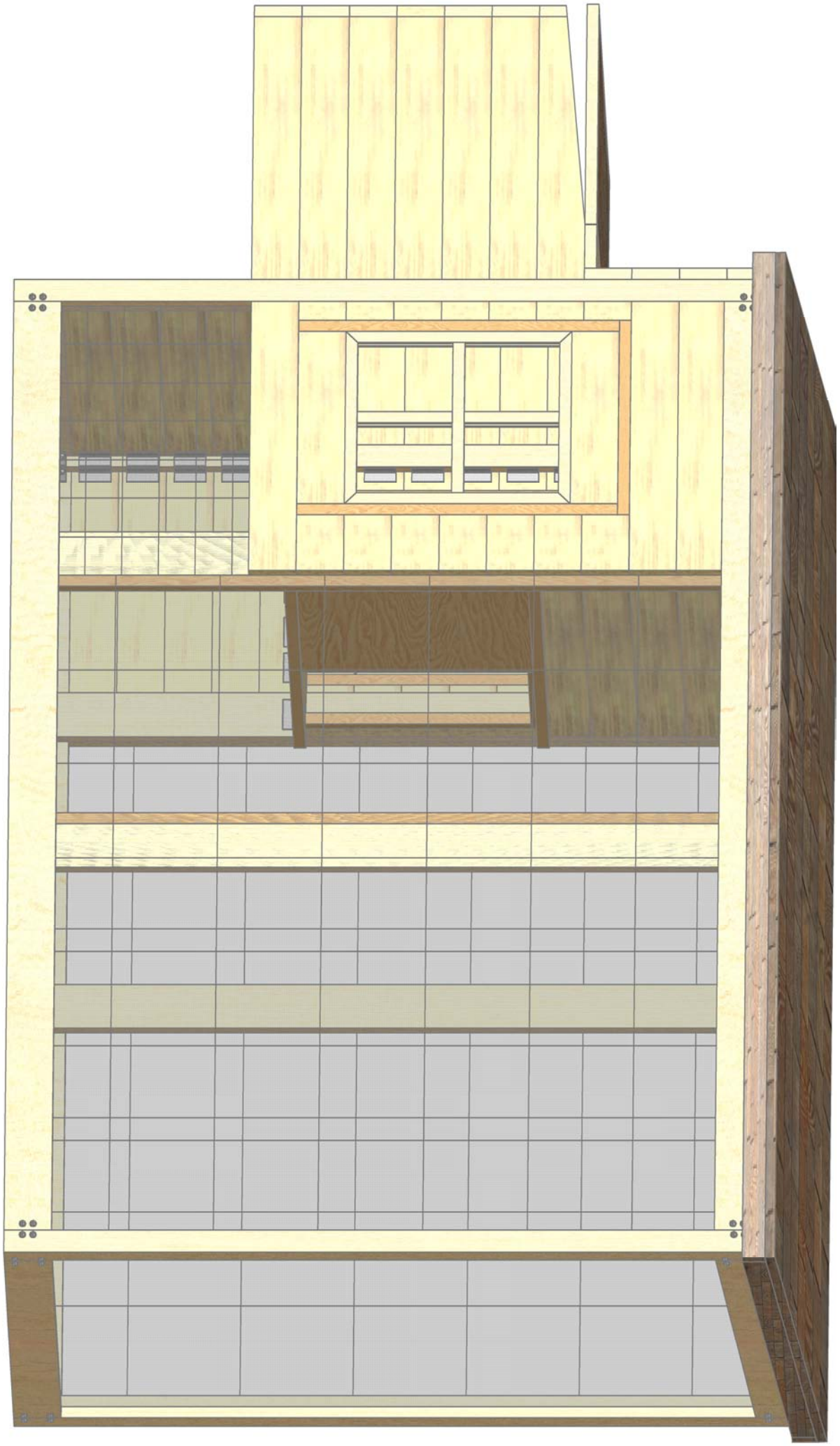

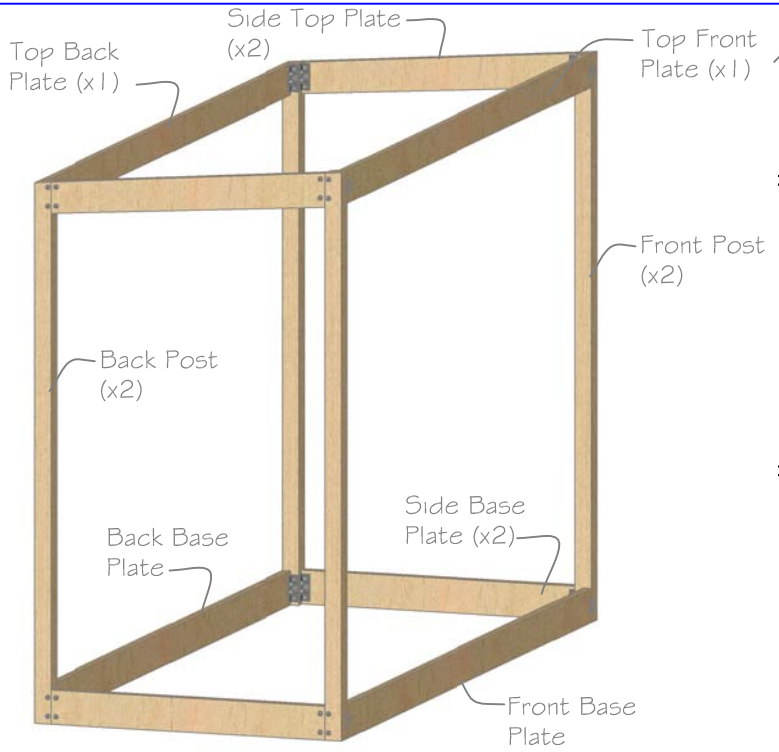

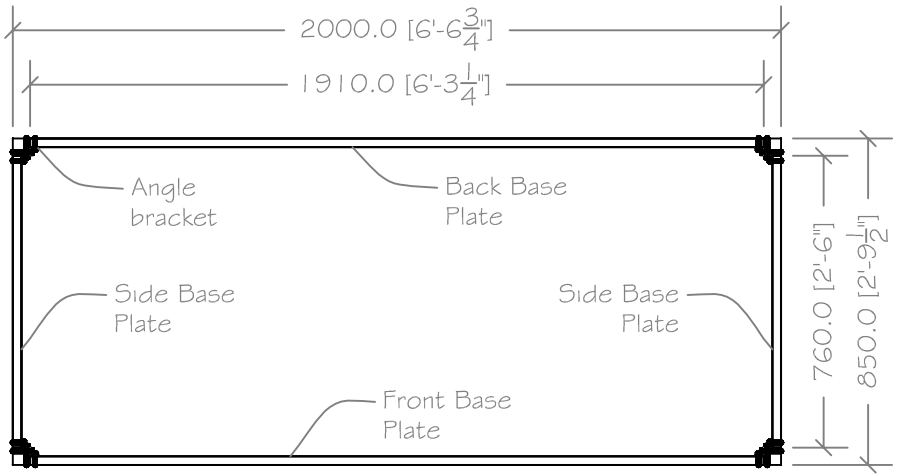

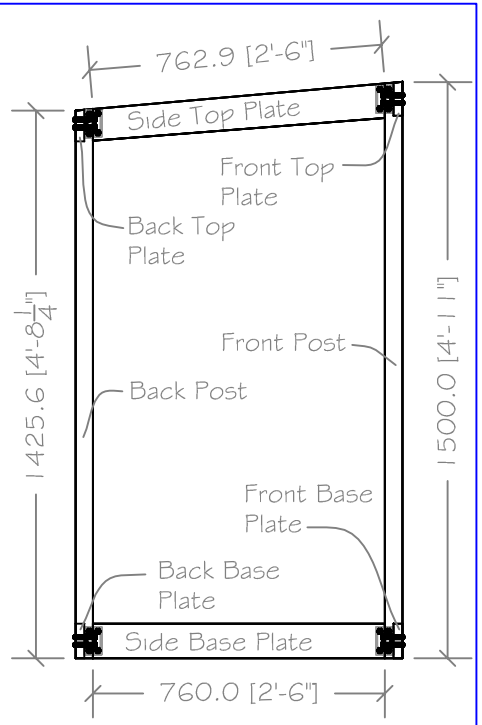

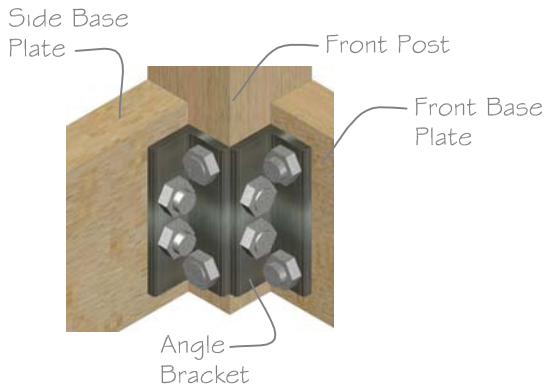

Coop Box

Scale 1:500

INSTRUCTIONS:

1) Cut Side Base Plate (x2), Front Base Plate (x1) abd Back Base Plate to length.
2) Cut Back Post (x2) and Front Post (x2) to length and cut each(4) end at a 5° angle. This angle will allow for water drainage for the roof.
3) Layout posts and plates. Connect posts and plates with angle brackets. Layout connects to ensure holes do not intersect. Also make sure the posts are level vertically.
4) Repeat for all four (4) corners.
5) Cut front and back top plates. Make sure to measure distances to ensure a proper fit.
6) Rip front and rear plates at a 5° angle to align with top of front and back posts.
7) Lay out boards for side top plates by holding boards in postion and marking ends to align with front and back posts and front and back top plates. Side top plates should sit flush with very top pf posts and front and rear top plates (see diagram).
8) Attach side plates with angle brackets. Make sure to lay out placement of holes so connections do not intersect.

Notes:
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3) Always measure dimensions carefully and label each piece individually.
4) Number of pieces are marked or see Material List

Material List

Description	Dimensions mm	Dimensions english	Quantity
Front Base Plate	25x90x2000	1x4x8'	1
Back Base Plate	25x90x2000	1x4x8'	1
Side Base Plate	25x90x900	1x4x4'	2
Front Post	45x45x1500	2x2x6'	2
Back Post	45x45x1500	2x2x6'	2
Top Back Plate	25x90x2000	1x4x8'	1
Top Front Plate	25x90x2000	1x4x8'	1
Side Top Plate	25x90x900	1x4x4'	2
Angle Bracket	By builder	By builder	32

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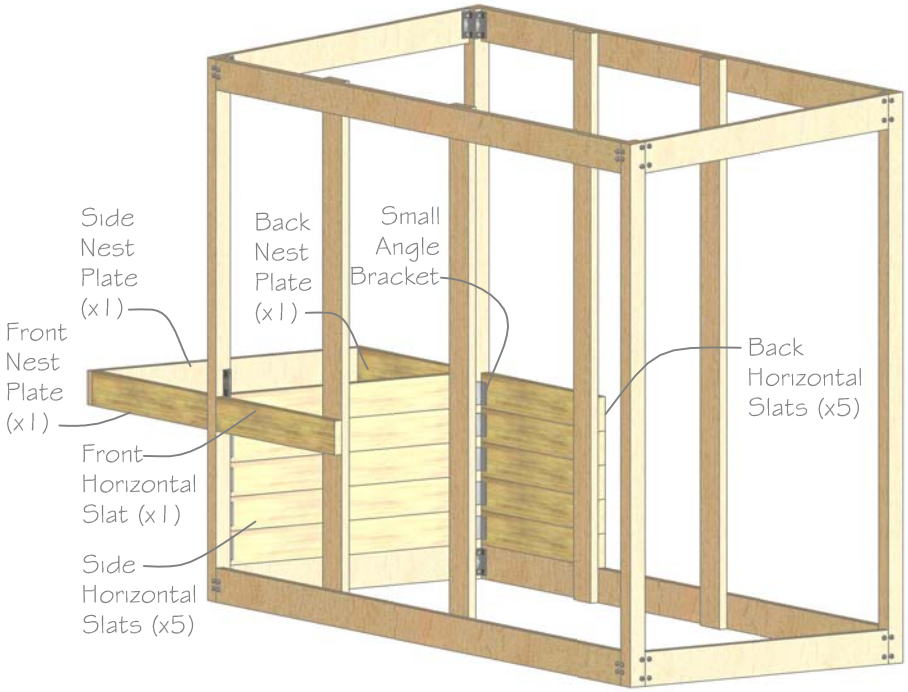
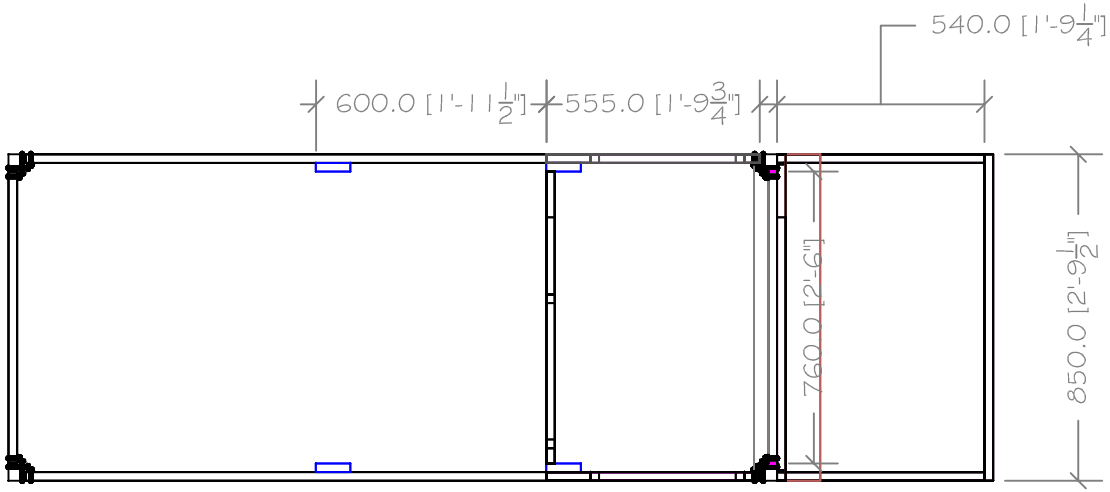
Title: Construction Detail	Drawn: JSG	Approved:
	Revision: 0	Drawing: 1
Date: 16-Jan-2009	Scale: Specified	



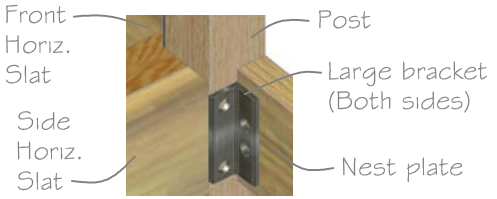


Vertical Support Layout

Scale 1:500

INSTRUCTIONS:

1) Once the general box frame is constructed, lay out and attach vertical supports.
2) Attach vertical supports to base plate using #20-#30x60-70mm torque screws. Make sure vertical supports are level vertically and flush with bottom of base plates.
3) Mark and cut vertical plates flush 5° with top plates.
4) Cut back horizontal slat and stack on top of back base plate. Attach to vertical support with screws. Make sure slat sits on top of base plate tightly and sits flush with side of vertical support.
5) Attach to back corner post with angle bracket and #20-#30x20-30mm torque screws. Make sure slat is flush with back edge of post.
6) Repeat steps 1-5 for remaining back horizontal slats.
7) Measure and cut side horizontal slats.
8) Attach side horizontal slats between front and back posts with angle brackets.
9) Repeat steps 7 and 8 for remaining side horizontal slats.
10) Measure and lay out location of front horizontal slat.
11) Cut front horizontal slat.
12) Tack front slat to front vertical support with #20-#30x60-70mm torque screws.
13) Attach front horizontal slat with angle bracket level to side and back horizontal slats. (See diagram) *Place a level diagonally across from side horizontal slat and mark placement of front horizontal slat to ensure front slat is level with side slat.*
14) Measure and cut nesting box base plates.
15) Attach front, back and side nest base plates with angle brackets and #20-#30x20mm torque screws. Make sure all plates are flush.
16) Cut four (4) spacers to ensure nest plates remain level while attaching to posts.
17) Use spacers, angle brackets, and M10 bolts to attach nest plates to front and back posts. (See diagram)



Notes:

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Material List

Description	Dimensions mm	Dimensions english	Quantity
Back Horizontal Slat	25x90x600	1x4x2'	5
Side Horizontal Slat	25x90x900	1x4x4'	5
Front Horizontal Slat	25x90x600	1x4x2'	1
Front Nest Plate	By builder	By builder	22
Side Nest Plate	25x90x600	1x4x2'	1
Side Horizontal Slat	25x90x900	1x4x4'	1
Back Nest Plate	25x90x600	1x4x2'	1
Large Angle Bracket	By builder	By builder	3

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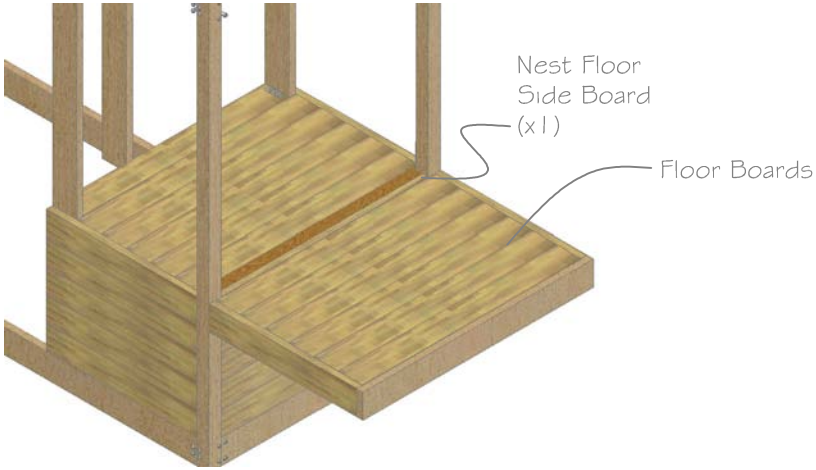
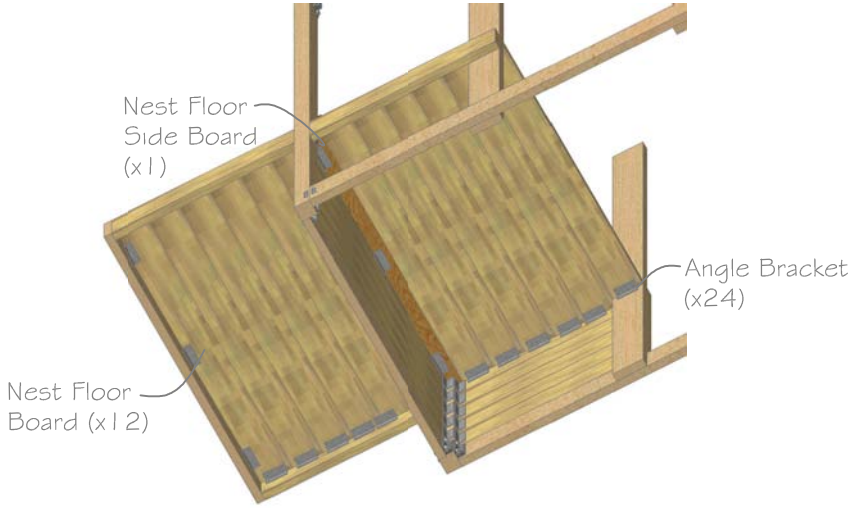
Title: Construction Detail	Drawn: JSG	Approved:
	Revision: 0	Drawing: 2
Date: 16-Jan-2009	Scale: Specified	



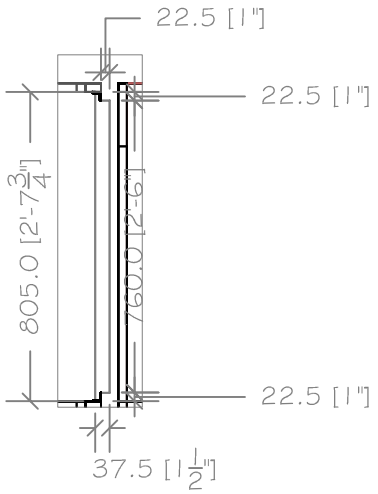
Flooring (Top View)

Scale 1:500



Flooring (Bottom View)

Scale 1:500



Nest Filler Board

Scale 1:500

Instructions:

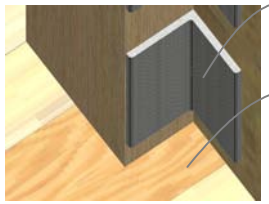
1) Measure and cut first nest floor board to fit between vertical supports. Use small angle brackets mounted from below with #20-#30x20mm torque screws to support all nest floor boards.

2) Measure and cut floor boards and anchor between front and back horizontal slats with small angle brackets and screws. Be sure to fit boards tight against each other and that boards are flush with top of both front and back slats.

3) Measure and cut nest filler board (highlighted) to fit in space between posts (see diagram). Use small brackets and screws to anchor to side horizontal slats.

4) Continue attaching floor boards for nesting box in same manner. Attach first floor board to side horizontal slat and nest front and back plates. Attach last board to all nest plates as well.

If desired, a diagonal support can be connected to the corners of the nest plates to support the weight of the nesting box during construction.



Notes:

1) These drawings are intended as a construction guide.

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4) Number of pieces are marked below each detail.

Material List

Description	Dimensions mm	Dimensions english	Quantity
Floor Board	25x90x900	2x4x4'	12
Filler Board	25x90x900	2x4x2'	1
Angle Bracket	By builder	By Builder	30

3D Dimensional concepts
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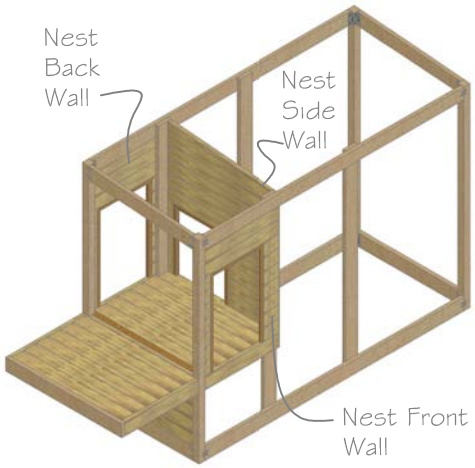
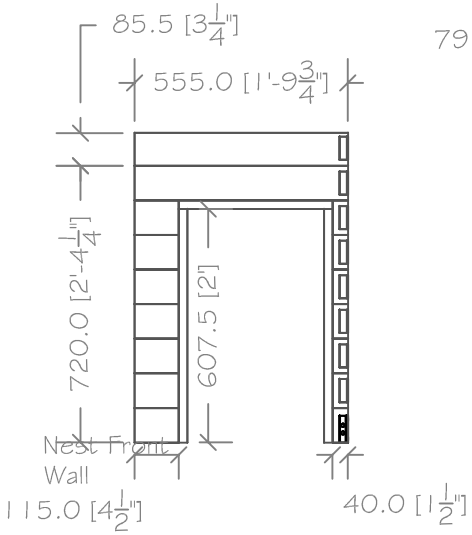
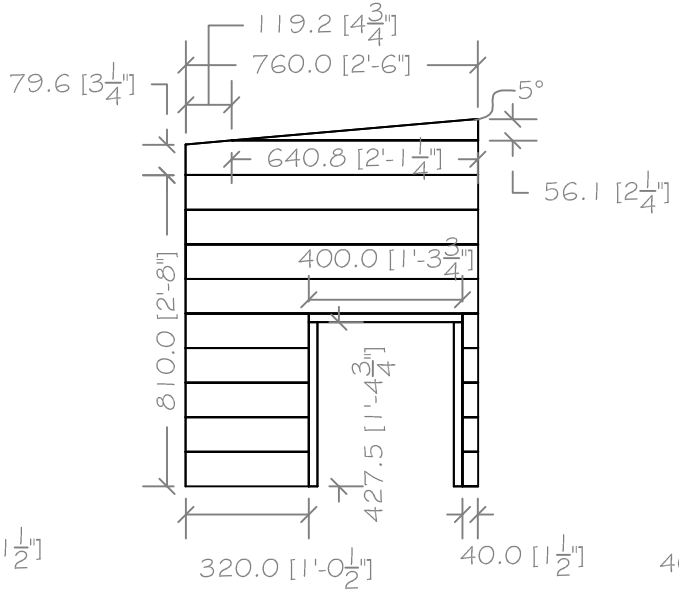
Title:	Drawn:	Approved:
Nest Floor	JSG	
	Revision: 0	Drawing: 3
Date: 05-Jan-2009	Scale: Specified	





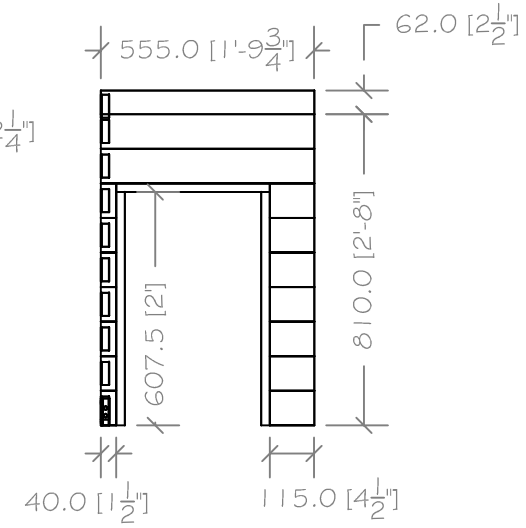
Nest Front Wall

Scale 1:500



Nest Side Wall

Scale 1:500



Nest Back Wall

Scale 1:500

INSTRUCTIONS:

1) Measure and cut pieces for each wall. Be sure to label the pieces carefully to prevent mixing them up.
2)Starting with the front wall, attach a small angle bracket using #20-#30x15mm torque screws to each piece connecting to the front post.
3) Starting at the nest floor, stack the wall pieces on top of one another seven (7) rows high, connecting each row to the corner post.
4) Once all rows are stacked, use a door frame piece and align the rows by drilling through the door moulding using a #20-#30x40mm torque screw. Make sure to align and flush the pieces before each subsequent row.
5) Once all pieces are attached to the door moulding, screw a small angle bracket at the ℄ of the wall to the wall and the floor. Make sure wall is flush with exterior of nest floor.
6) Attach opposing pieces directly to exterior of vertical support using #20-#30x30-40mm torque screws. Make sure pieces are flush with exterior corner of vertical support.g
7) Attach other door moulding in same manner as above. Make sure to align each piece before attaching. Drill through moulding before attaching to prevent cracking moulding.
8) Attach wall piece to nest floor using a small angle bracket. Make sure to check alignment and flush with exterior.
9) Measure and cut top moulding piece. Attach to side moulding pieces by drilling through corner of moulding to prevent cracking.
10) Attach longer wall pieces in same manner as horizontal slats. Connect to corner posts using small angle brackets and attach directly to vertical supports using #20-#30x30mm torque screws.
11) Repeat steps 1-10 for opposing wall.
12) For slide wall, attach pieces either by angle bracket or screw directly through exterior using #20-#30x90-100mm torque screws. Make sure to check flush and alignment on every piece.
13) Follow previous steps for slide door.
14) Make sure top wall pieces do not interfere with top angle.

Notes:
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Material List

Description	Dimensions mm	Dimensions english	Quantity
Wall Pieces(TOTAL)	25x90x2400	1x4x10'	5
Door Moulding	25x25x2400	1x1x2'	2

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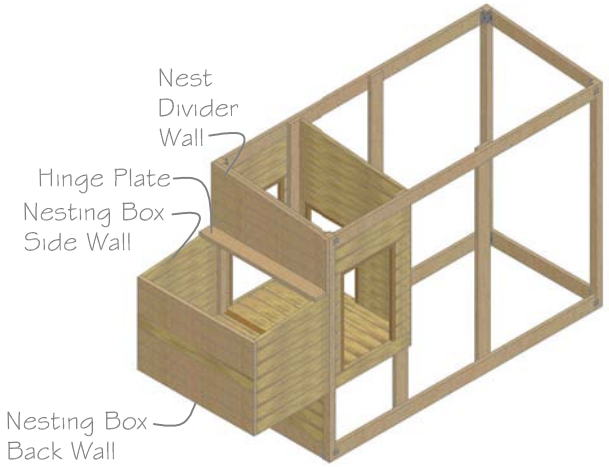
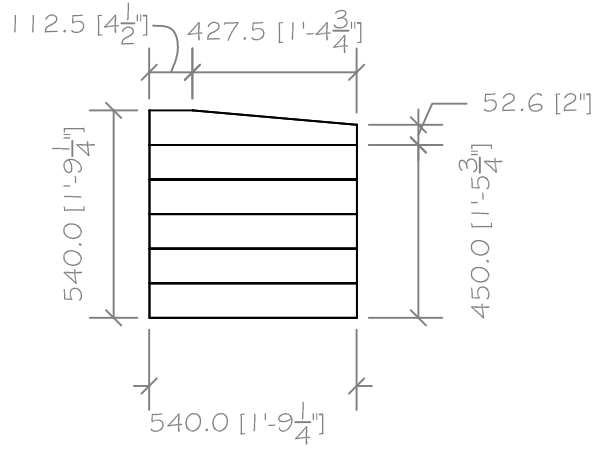
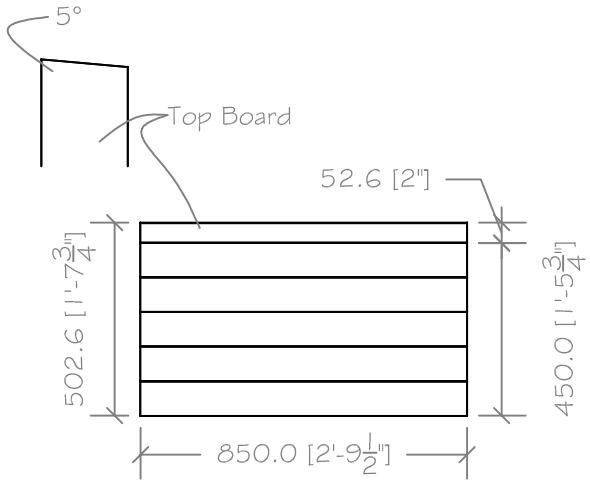
Title: Construction Detail	Drawn: JSG	Approved:
	Revision: 0	Drawing: 4
Date: 16-Jan-2009	Scale: Specified	





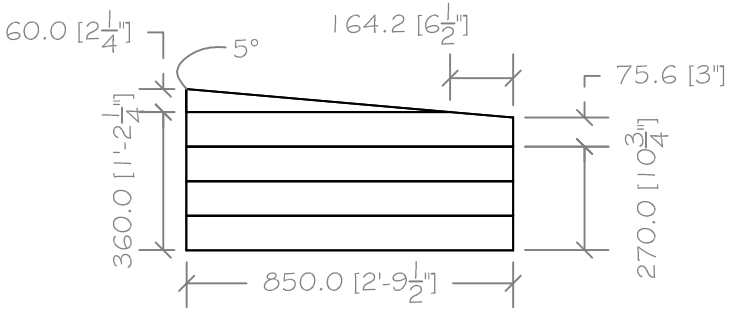
Nesting Box Side Wall (x2)

Scale 1:500



Nesting Box Back Wall (x1)

Scale 1:500



Nest Divider Wall (x1)

Scale 1:500

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INSTRUCTIONS:
1) Measure, lay out and cut boards for nesting box side walls.
2) Use brackets and screws to attach walls to nesting box floor and corner posts. Make sure to check for flush and alignment to exterior edge of nesting box floor and corner post.
3) Measure and cut boards for nesting box back wall. Remember to rip top board of nesting box back wall at 5° so top board aligns with slope of nesting box side boards.
4) Screw ends of back wall directly into ends of side walls.
5) Measure and cut boards for divider wall. Screw divider wall boards directly to corner posts. Make sure top board aligns with top slope of coop as to prevent interference with the roof.
6) Measure and cut hinge plate and screw directly to nesting box side walls. Make sure to flush tight against divider wall.

Material List

Description	Dimensions mm	Dimensions english	Quantity
Nesting box wall (TOTAL)	25x90x1200	2x4x10'	10

3D Dimensional Concepts
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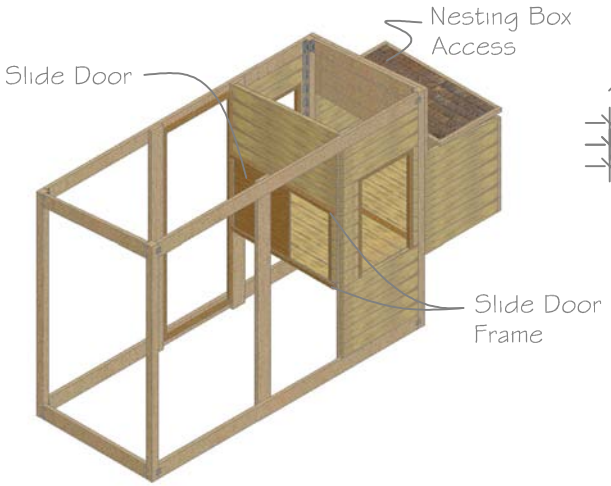
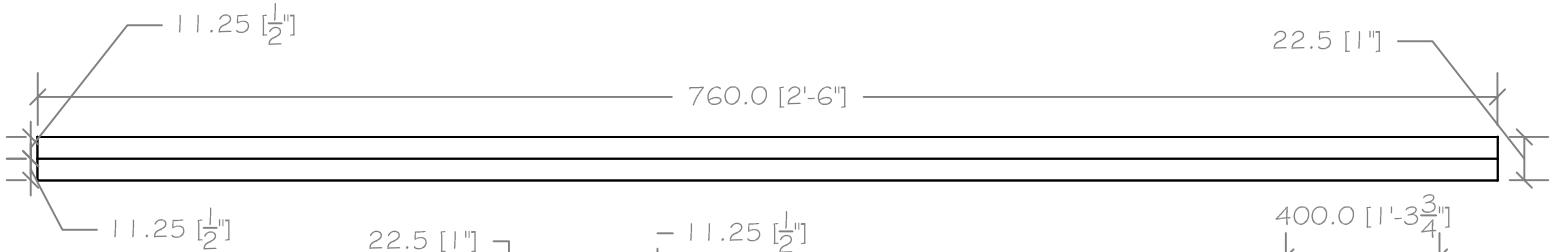
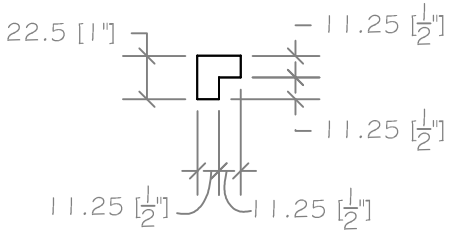
Title: Nesting Box	Drawn: JSG		Approved:
	Revision: 0		Drawing: 5
Date: 16-Jan-2009	Scale: Specified		

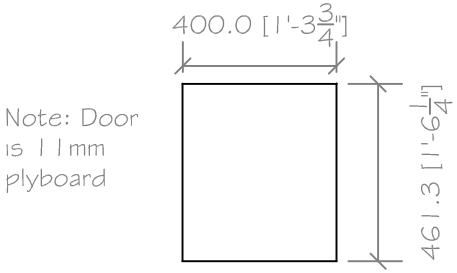






Slide Door Frame(x2)

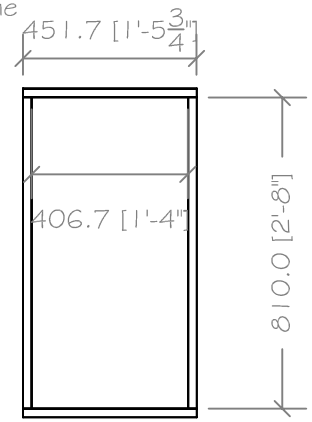
Scale 1:100



Slide Door (x1)

Scale 1:500

INSTRUCTIONS:
1) Measure lumber long enough to include both door frame pieces and width of saw blade (at minimum).
2)Router slide door frame piece to depth specified. Use a guard to prevent gouging.
3) Measure and cut door frame pieces.
4) Attach bottom door frame. Be sure to check flush and level. Presink drill holes to prevent cracking bottom door frame.
5) Measure and cut door from 11mm plyboard sheet.
6) Attach door handle by builder.
7) Use door as a guide for placement of top door frame. Mark placement of top frame and attach. Presink drill holes to prevent door frame from cracking
8) Make sure door does not bind along track



Nesting Box Access (x1)

Scale 1:100

INSTRUCTIONS;
1) Measure and cut pieces for nesting box access door.
2) Measure and cut 11mm plyboard sheet to interior dimensions.
3) Construct frame by attaching pieces as diagrammed. Use #20x40mm torque head screws. Be sure all edges are flush and pieces are square.
4) Lay frame on flat, clean surface and place plyboard sheet inside. Tap sheet into place if necessary and attach through outside of frame with #20x40mm torque screws. Be sure to screw straight and level to prevent breaking surface of plyboard.

Notes:
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Material List

Description	Dimensions mm	Dimensions english	Quantity
Sliding Door Frame	23x23x900	1x1x4'	2
Sliding Door	400x600x11	2'x2'x1/2"	1
Access Door Side Frame	23x23x900	1x1x4'	2
Access Door Top Frame	23x23x600	1x1x2'	2
Nesing Box Access Panel	600x900x11	2'x4'x1/2"	1

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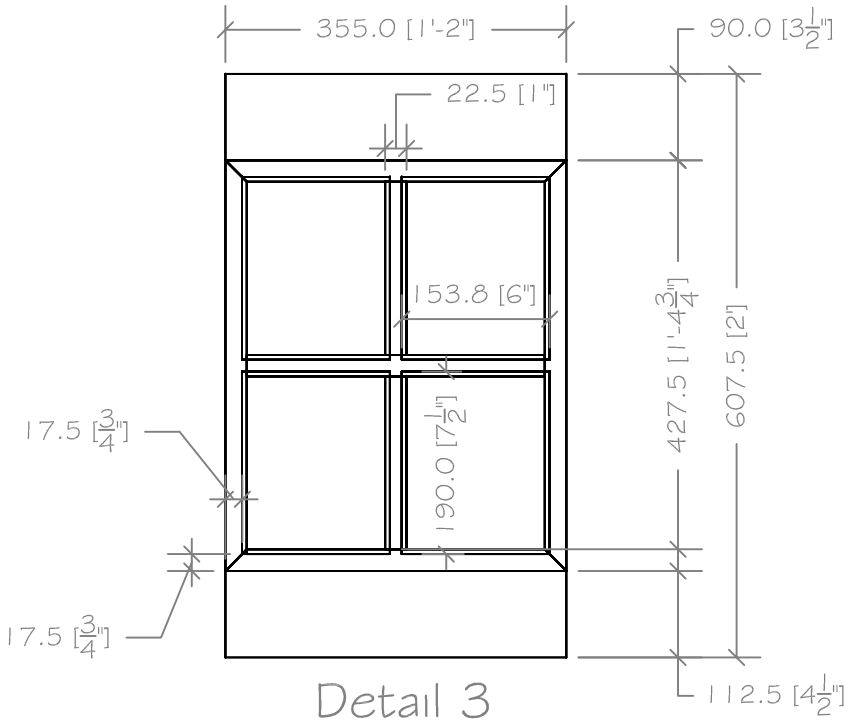
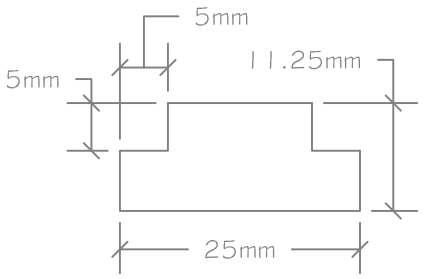
Title: Nesting Box Access Panel	Drawn: JSG	Approved:	
	Revision: 0	Drawing:	6
Date: 05-Jan-2009	Scale: Specified		

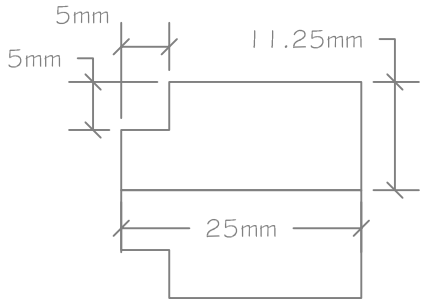


Detail 3



Detail 2

Scale NTS



Detail 1

Scale NTS

NOTE These coop wall doors require a high degree of competency to construct. If desired a piece of plyboard may be substituted as a good replacement. These doors are for the convenience of the user to look through and are for aesthetic purposes and not necessary in the overall construction.
We recommend the use of either 10mm clear acrylic or clear fiberglass for the windows.
We do NOT recommend using glass in the construction of these doors.

INSTRUCTIONS:
1) Clamp 25x25x1200mm frame board to a solid surface.
2) Use a guide to router a 5x5x5mm seat for the window plates along entire length of board.
3) Flip board over and reclamp to working surface.
4) Using a guide, router opposing side of board 5x5x5mm so both sides are a mirror of the other (see detail 1).
5) Layout ℄ along entire length of frame board and CAREFULLY rip board along entire length to make 2 mirror pieces. USE A TABLE SAW or RIP SAW if available.
6) Cut 2 pieces each for top, bottom and sides of window frame square to measurements (see detail 3). BE SURE TO LABEL EACH PIECE TO AVOID CONFUSION!
7) Lay out each window piece with respect to location and angle required. Starting with the top piece, CAREFULLY angle cut frame pieces at 45°. Make sure routered edges are flush and form a seat for window panes.
8) When all pieces are cut and seats align, glue edge of each piece and assemble into a square. Clamp and let sit until dry. Once dry, screw edges together using #20x30mm torque screws. Make sure edges are flush with each other and assembly is square!
9) For center muntins, clamp remaining L-shaped pieces to stable work surface with the routered edge on the inside bottom. Router opposite side of frame board to form a "T" with 5x5x5mm seats on both sides. (see detail 2)
10) Layout ℄ of both top and side of frame. Measure and cut middle cross piece and align ℄ of piece and and sides. Make sure seat is flush with both sides.
11) Glue and clamp sides together and let dry. Attach with screws.
12) Measure and cut divider muntins and align ℄ of muntins with ℄ of both top and bottom frame pieces.
13) Glue and clamp top and bottom and intersecting middle. Make sure plate seat remains flush and aligns all around the frame! Once dry, attach with screws from exterior edge of top and bottom plates.
14) Construct 2nd half of frame same as above.
15) Measure and cut 4 window panes and make sure they sit in the seat.
16) Place second half of frame on top and make sure frames fit together and panes fit between.
17) Glue and clamp frame halves and window panes together.
18) Glue top and bottom of frame to 25x90mm cut to width of door frame. Clamp and let dry.
19) Attach hinges (by builder) to top and bottom 25x90mm
20) Repeat steps 1-19 for second door frame.

Notes:
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Material List

Description	Dimensions mm	Dimensions english	Quantity
Window Frame	25x25x2400	1x1x12'	2
Window Pane	190x154x10	6"x7 1/2"x1/4"	8

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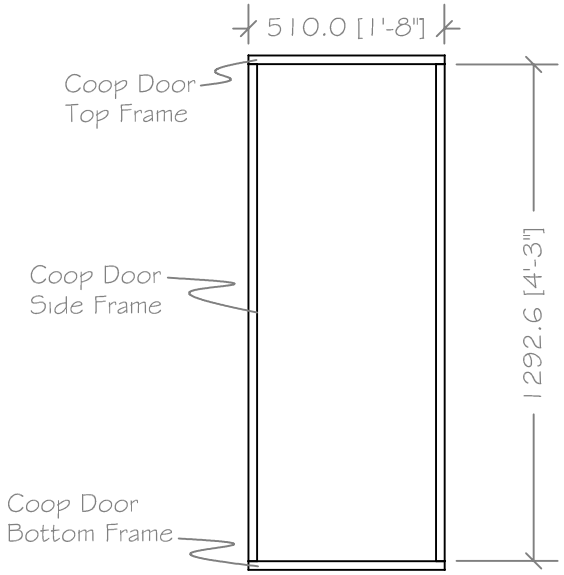
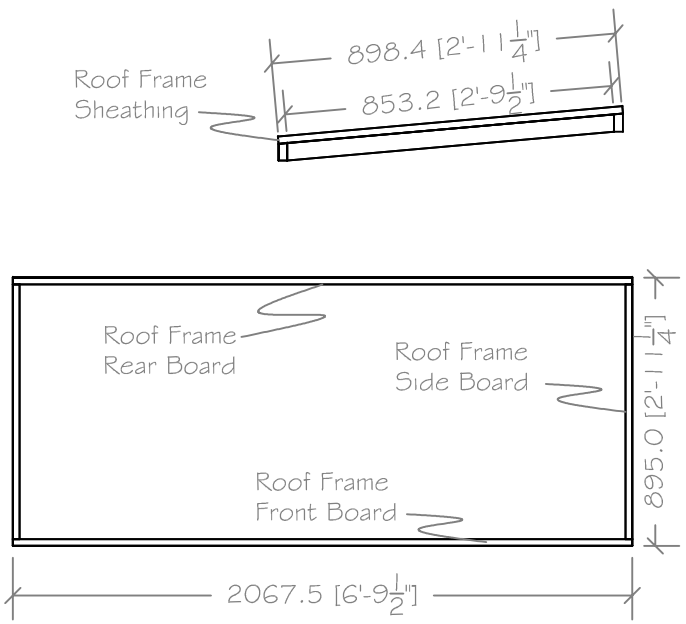
Title: Coop Wal Doors	Drawn: JSG	Approved:
	Revision: 0	Drawing: 7
Date: 16-Jan-2009	Scale: Specified	



Door Frame

Scale 1:500



Roof Frame

Scale 1:500

INSTRUCTIONS:

1) Frame in doorway as detailed.
2) Square door and cut mesh to fit.
3) Attach mesh to door frame (the mesh will act as a backing to keep the frame square).
4) Measure, cut and attach mesh to exterior frame of coop. Attach every 150-300mm. Make sure to tighten mesh as attaching to prevent bowing.
5) Once exterior is meshed, measure and cut roof frame boards. Make sure to rip top of roof frame to flush with coop frame top.
6) Attach to exterior of coop making sure edges are flush and corners are even.
7) Cut plywood sheet to dimensions of roof frame.
8) Lay plywood sheet on top of roof frame and attach with #20-#30x40mm torque screws. Be sure to drill straight down into the roof frame.
9) Cover the roof and nesting box access panel with cedar or asphalt shingles in accordance with avian bird flu prevention specifications.

Notes:

1) These drawings are intended as a construction guide.
2)Materials, veneers, connections, hinges, etc are determined by the builder. It is the responsibility of the builder to verify dimensions.
3) Always measure dimensions carefully and label each piece individually.
4) Number of pieces are marked below each detail.

Material List

Description	Dimensions mm	Dimensions english	Quantity
Roof Frame Side Board	25x90x900	1x4x4'	2
Roof Frame Front Board	25x90x2100	1x4x8'	1
Roof Frame Rear Board	25x90x2100	1x4x8'	1
Roof Sheathing	1200x2400x19	4'x8'x3/4"	1
Coop Door Top Frame	25x25x600	1x1x4'	1
Coop Door Bottom Frame	25x25x600	1x1x4'	1
Door Side Frame	25x25x1500	1x1x8'	2

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Title:	Drawn:	Approved:
Entrance & Roof	JSG	
	Revision: 0	Drawing: 8
Date: 16-Jan-2009	Scale: Specified	