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### Sheet List

Sheet No.	Title
C0	Cover sheet
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C3	Third Frame & Details
C4	Door Details
C5	Details
C6	Completed Views



Date: 05/08/17  
 Rev: not to scale  
 Drawn By: S.Rooney  
 File Name: 2017\_EggMobile.dwg

Title:

**SBC Chicken Coop  
Cover Sheet**

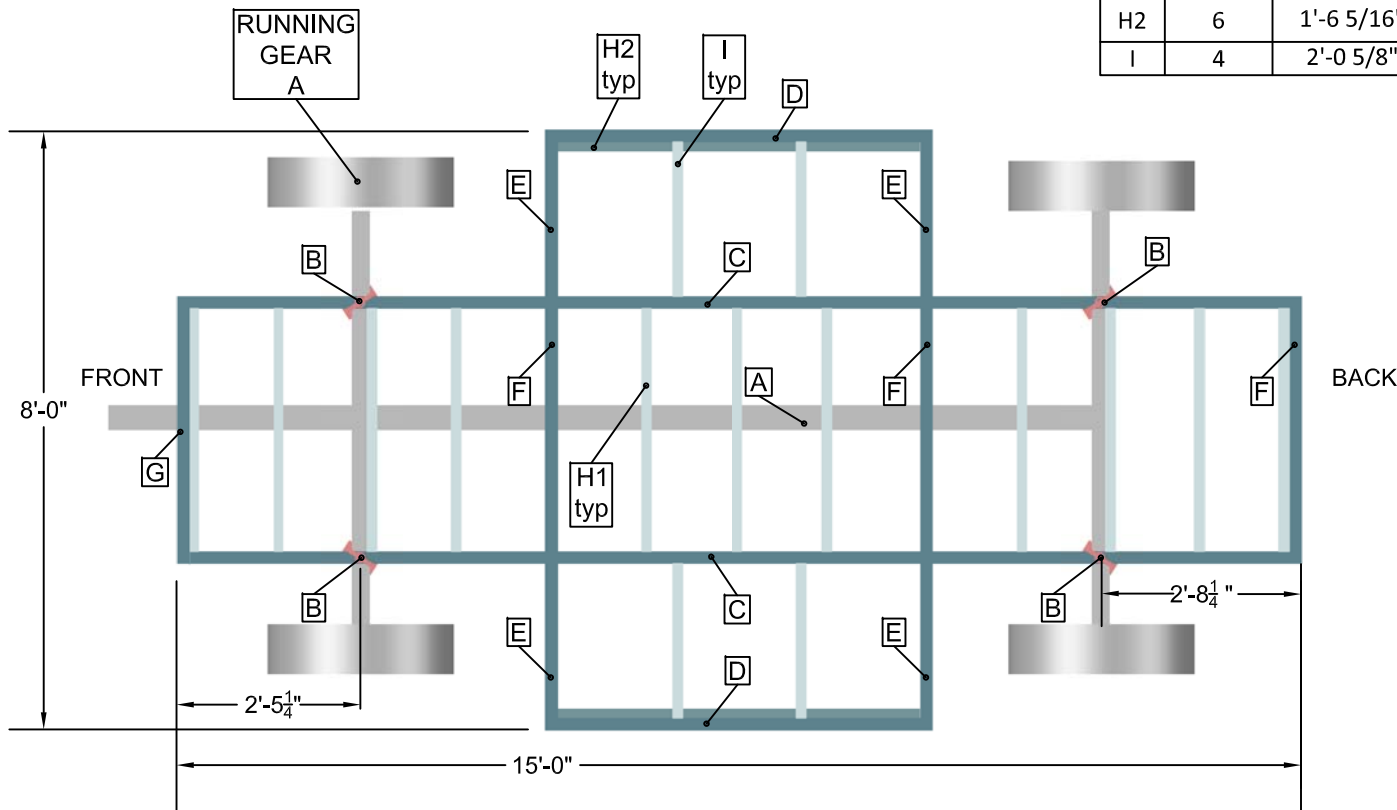
**C0**

**Notes:**

1. Choose appropriate Running Gear to insure frame will fit correctly. If the specified Running gear (A) is used, remove the Bolster Stakes.
2. Level running gear prior to construction.
3. Welding should be conducted by a professional and in accordance with American Welding Society (AWS) standards.
4. All dimensions should be verified.
5. Build First Frame and insure that it is square and level.
6. Tack weld First Frame to running gear at 4 locations (B).
7. Once frame is complete, attach using U-Bolts (B).

**Parts List**

Item No.	No. Needed	Length	Material
A	1	<b>Running Gear:</b> 6 Ton - Model 6672 by Kory Farm Equipment (815) 445-3711 or equal	
B	4	4"x10"x $\frac{3}{4}$ "	Spring Fine threaded Square U-Bolts, Plate, Nuts & Washers
<b>FIRST FRAME</b>			
C	2	15'-0"	2"x2"x $\frac{3}{16}$ " Low Carbon Steel, Square Welded Tubing
D	2	5'-2"	
E	4	2'-0 5/8"	
F	3	3'-2 3/4"	
G	1	3'-6 3/4"	
H1	11	3'-2 3/4"	1 $\frac{1}{2}$ " 1 $\frac{1}{2}$ "x $\frac{1}{8}$ " Angle Iron
H2	6	1'-6 5/16"	
I	4	2'-0 5/8"	



**First Frame & Bracing**  
Top View

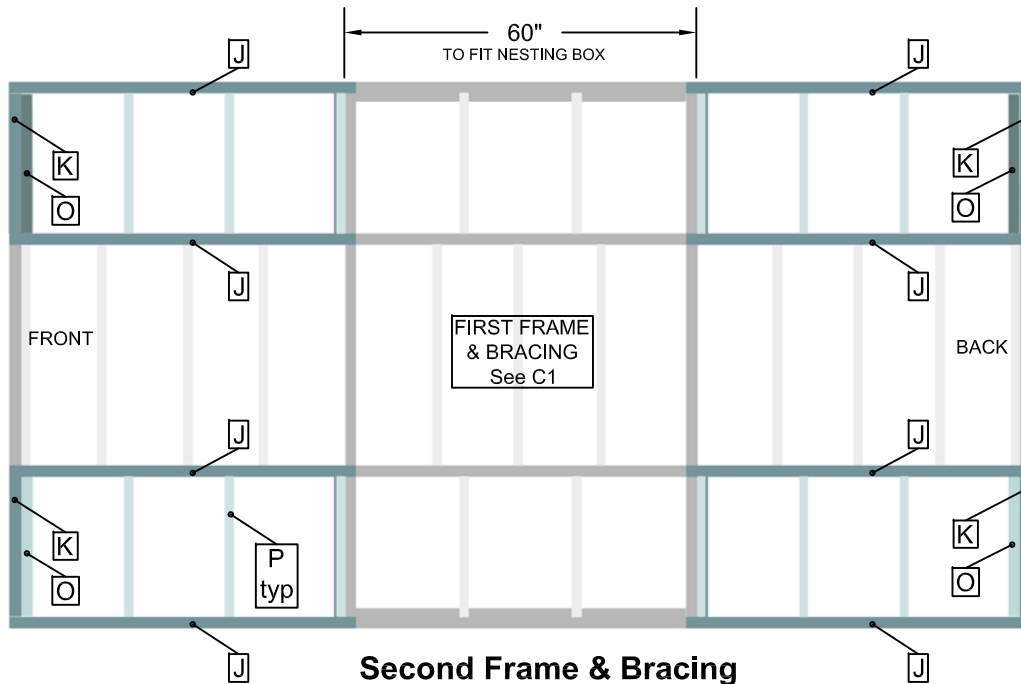
Date: 05/08/17	Scale: not to scale
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Title:

## SBC Chicken Coop First Frame

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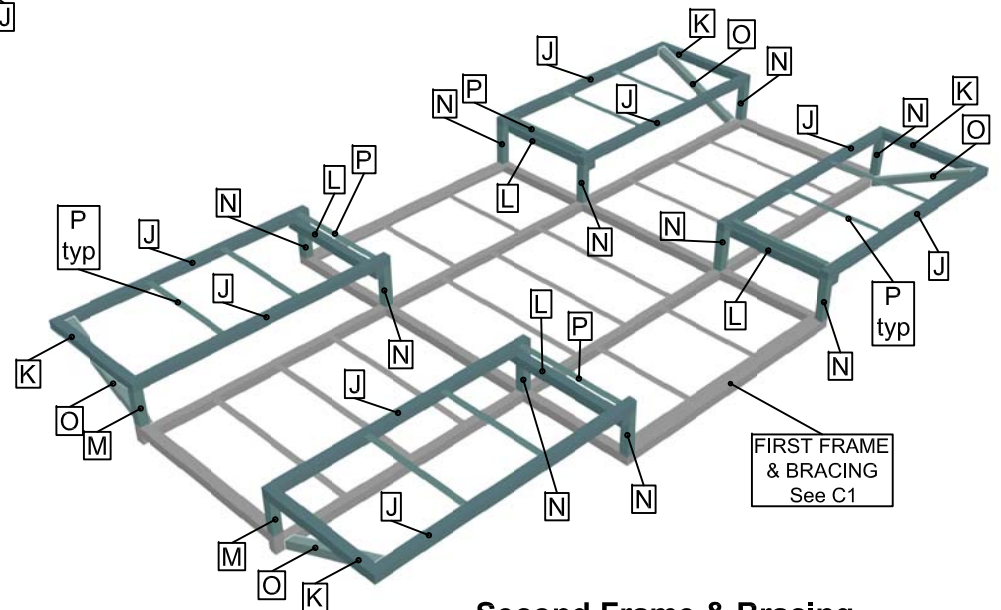
C1



**Second Frame & Bracing**  
Top View

**Notes:**

1. Construct Second Frame and Bracing as shown.
2. Use clamps and other means necessary such as pre-assembly to insure frame is square.



**Second Frame & Bracing**  
Isometric View

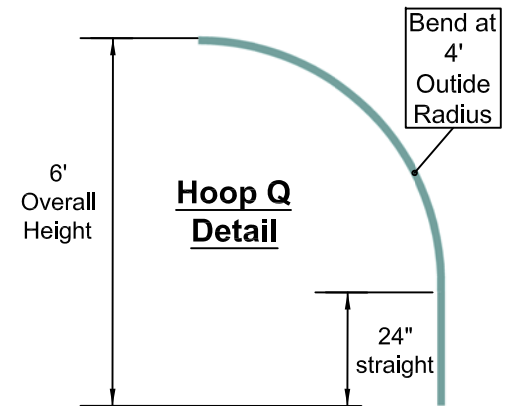
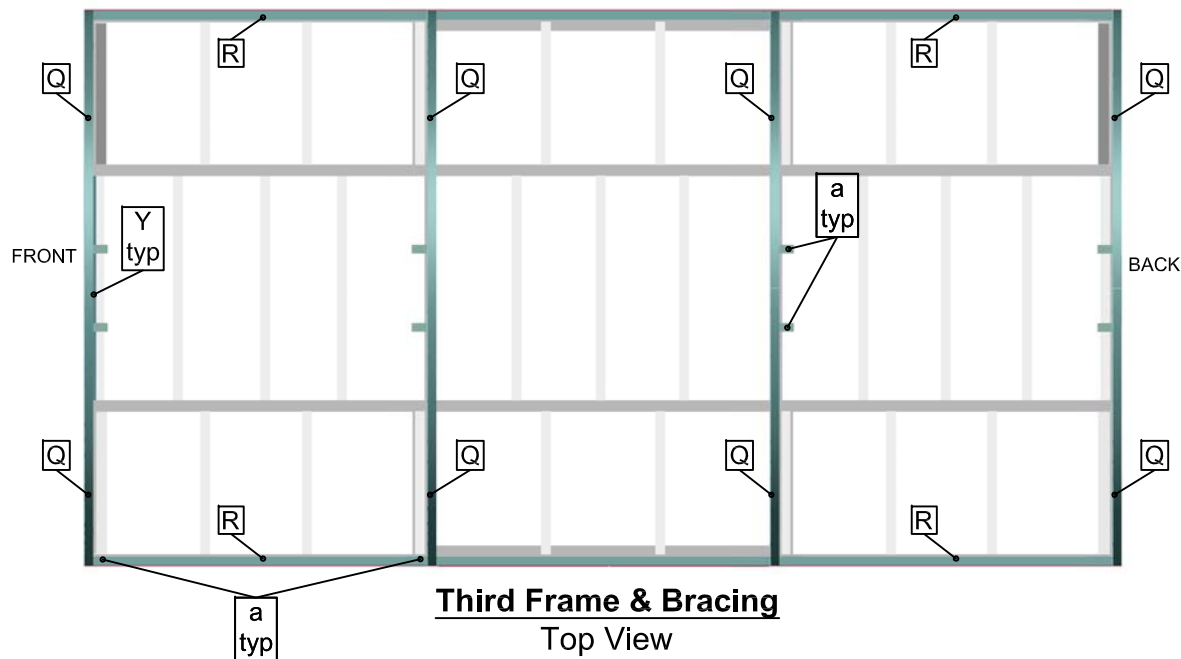
**Parts List**

Item No.	No. Needed	Length	Material
<b>SECOND FRAME</b>			
J	8	5'-1"	2"x2"x $\frac{3}{16}$ " Low Carbon Steel, Square Welded Tubing
K	4	2'-0 5/8"	
L	4	2'-4 5/8"	
M	2	0'-8"	
N	10	0'-10"	
O	4	2'-3 5/16" MITERED @ ±35°	1 1/2"x1 1/2" x 1/8" Angle Iron
P	12	2- 0 5/8"	

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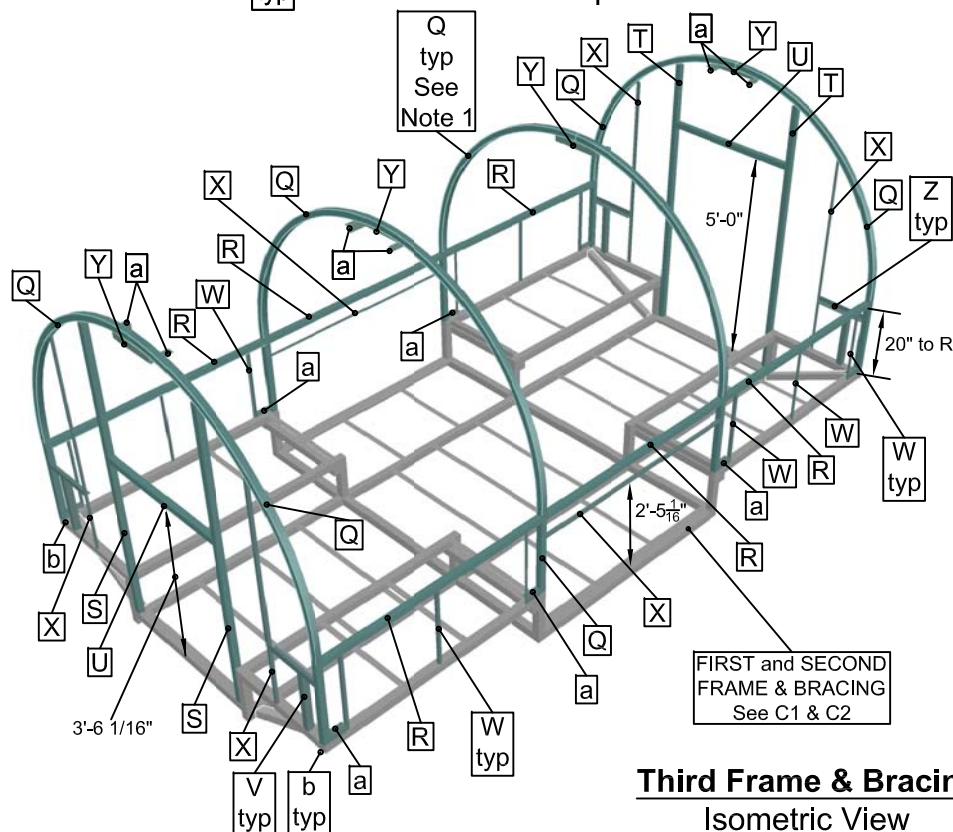
Title:  
**SBC Chicken Coop  
Second Frame**

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2 of 6  
**C2**



**Notes:**

1. Hoop Q should be fabricated by a professional with dimensions as shown on Detail.
2. Create a template of curves on a level surface for welding of two Q pieces together. This will insure all curves are similar so that the Cover will fit correctly.
3. Weld connection of two Q pieces on all four sides and reinforce with (Y).
4. Weld S-Hooks (b) on all four corners to hang water/feeder.



**Parts List**

Item No.	No. Needed	Length	Material
<b>THIRD FRAME</b>			
Q	8	8' (See Detail)	1½"x1½"x ⅛" Low Carbon Steel, Square Welded Tubing
R	6	4'-10"	
S	2	±6'-3 7/16"	
T	2	±6'-5 ½"	
U	2	2'-11 ¾"	
V	4	1'-3"	
W	12	1'-8"	¾" x ¾" x ⅛" Angle Iron
X	4	±4'-8 ¼"	
Y	4	1' L	1½"x1½"x ⅛" Angle Iron
Z	4	1'-1 ¾"	
a	16	4" w/ ⅜" holes	Open S-Hooks
b	4	1½"	

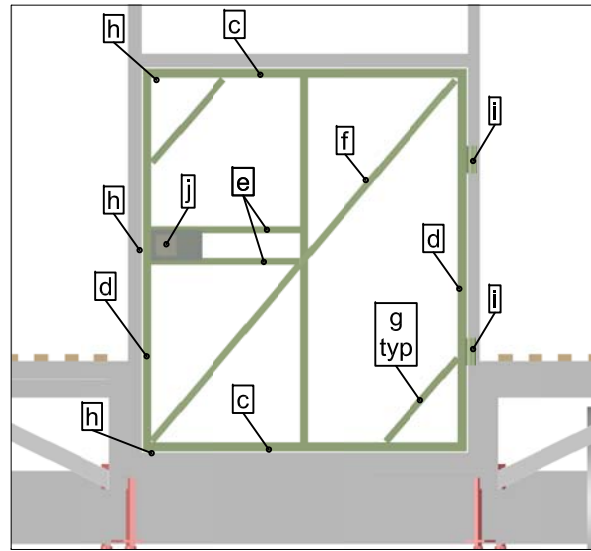
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File Name: 2017\_EggMobile.dwg

Title:  
**SBC Chicken Coop  
Third Frame & Details**

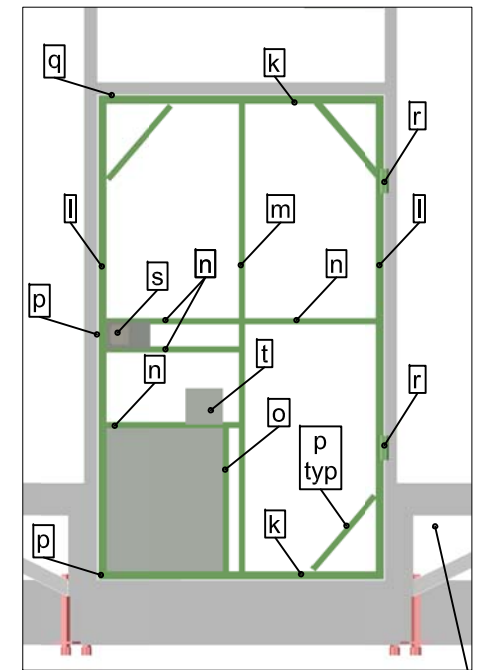
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**C3**

## Parts List

Item No.	No. Needed	Length	Material
<b>FRONT DOOR</b>			
c	2	2'-11 $\frac{1}{2}$ "	1"x1"x $\frac{1}{8}$ " Low Carbon Steel, Square Welded Tubing
d	2	3'-2 $\frac{3}{4}$ "	
e	2	1'-4 $\frac{3}{8}$ "	$\frac{3}{4}$ "x $\frac{3}{4}$ "x $\frac{1}{8}$ " Angle Iron
f	1	$\pm 4$ '-3 $\frac{1}{2}$ "	
g	2	1'-0"	
h	2	n/a	door stops
i	2	3" x $\frac{3}{8}$ "	Hinges-180°
j	1	N1980	Latch, Single Point, Non-Lkg, Rust Resistant Buyers Products Company, www.buyersproducts.com
<b>BACK DOOR</b>			
k	2	2'-11 $\frac{1}{2}$ "	1"x1"x $\frac{1}{8}$ " Low Carbon Steel, Square Welded Tubing
l	2	4'-9 $\frac{3}{4}$ "	
m	1	4'-9 $\frac{3}{4}$ "	$\frac{3}{4}$ "x $\frac{3}{4}$ "x $\frac{1}{8}$ " Angle Iron
n	4	1'-4 $\frac{3}{8}$ "	
o	1	1'-5 $\frac{11}{16}$ "	
p	3	1'-0"	
q	2	n/a	door stop
r	2	3" x $\frac{3}{8}$ "	Hinges-180°
s	1	N1980	Latch, Single Point, Non-Lkg, Rust Resistant Buyers Products Company, www.buyersproducts.com
t	1	n/a	Right Side Opening Automatic Chicken Door and 3W Solar Panel Chickendoors.com
<b>SIDE DOORS (2)</b>			
u	8	2'-4 $\frac{7}{8}$ "	1"x1"x $\frac{1}{8}$ " Low Carbon Steel, Square Welded Tubing
v	8	2'-0 $\frac{3}{4}$ "	
w	4	2'-0 $\frac{3}{4}$ "	$\frac{3}{4}$ "x $\frac{3}{4}$ "x $\frac{1}{8}$ " Angle Iron
x	4	1'-2 $\frac{1}{16}$ "	
y	8	n/a	
z	8	3" x $\frac{3}{8}$ "	Hinges - 180°
aa	2	N1980	Latch, Single Point, Non-Lkg, Rust Resistant Buyers Products Company, www.buyersproducts.com
bb	4	$\frac{3}{8}$ "	Spring Pull Latch

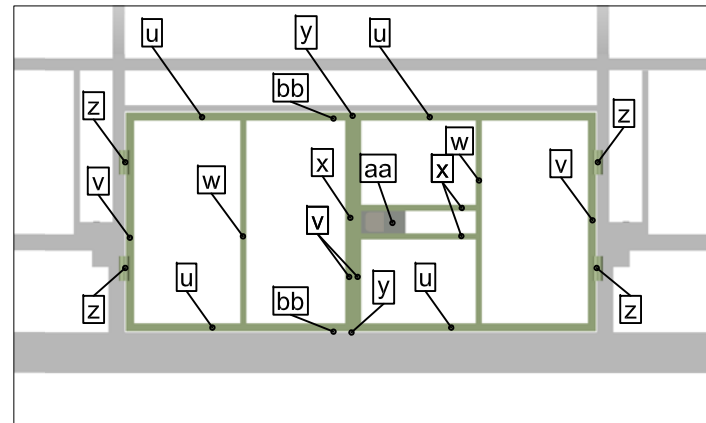


**Front Door**



**Back Door**

See Note 5



**Side Door**  
typical both sides

### Notes:

1. Prior to locating and attaching door hinges, check for conflicts with side panel ribbing.
2. Create doors and attach with hinges. Create door stops for proper closure and latch assembly.
3. Prime entire frame with paint ensuring all welded connections are covered.
4. Bolt Chicken Door to Back Door, tuck cables to battery and solar power.
5. Place Battery in protective 4" PVC pipe casing with caps and mount to frame.

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## SBC Chicken Coop Door Details

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C4

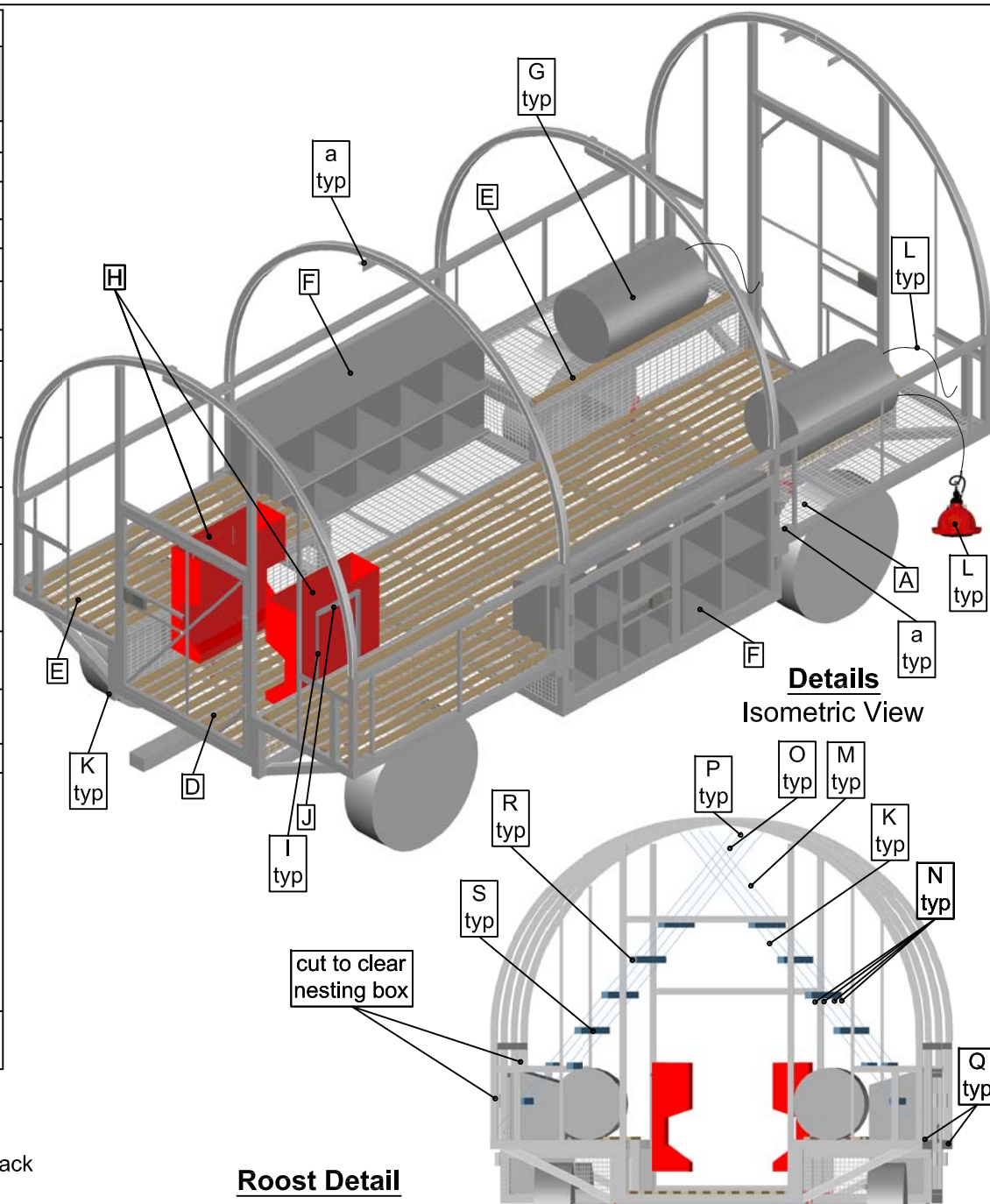


## Parts List

Item No.	No. Needed	Model No.	Material	Manufacturer
<b>FLOOR</b>				
A	Approx. 17'L x 10'W		2"x1"-14 Gauge Galvanized wire mesh	
B	400±		#10x1½" Self-tapping screws & washers	
C	1 Gallon		Rustoleum Primer - Automotive Paint	
D	24	1"x2"x8'	Pine Furring Strip, Primed	
E	16	1"x2"x4'-10"	Pine Furring Strip, Primed	
<b>MISC.</b>				
F	2	410B	10 Hole Nest Box - 60"x12"x24"	Brower 1-800-553-1791 browerequip.com
G	2	n/a	30 Gallon Water Storage Drum	Mauser Corp.
H	2	PCF-24	24"x8"x24" Kane Poultry Feeder	www.Kanemfg.com
I	4	26"	1½" Angle Iron, welded to frame, with Poultry Feeder attached by bolted brackets to hang 5" off floor	
J	2	12"		
K	22	n/a	1½" LDPE Plastic Square Tubing End Plugs or foam filler	
L	2	2140000	Plasson Broiler Drinker & Water Storage Refill Hose	www.QCSupply.com
<b>ROOST</b>				
M	72±	n/a	340# Vinyl Coated Wire Rope, ⅛"	Home Depot
N	72	n/a	Wire Rope Clips, ⅛"	
O	8	n/a	¼" Turnbuckles - 8¼" Long	
P	8	n/a	¼" Quick Link	
Q	8	n/a	Wire Rope Thimbles	
R	24	n/a	2"x2"x8" Pine Wood Slats	
S	10	6"	1½"x1½"x⅝" Angle Iron w/drilled screw holes to connect pine wood slats	

### Notes:

1. Attach wire mesh to flooring with tack screws and washers or tack weld.
2. Prime Pine furring strips (D & E) with linseed oil and attach to floors with tack screws.
3. Construct Roost (See Detail below) at 10" board spacing and attach to points (a) on Third Frame (C3).
4. Insert dividers and create covers for feeders (H).
5. Connect Drinker and ¾" refill hose.
6. Fill all open frame tubing with either plastic end caps (I) or expandable foam.



### Roost Detail

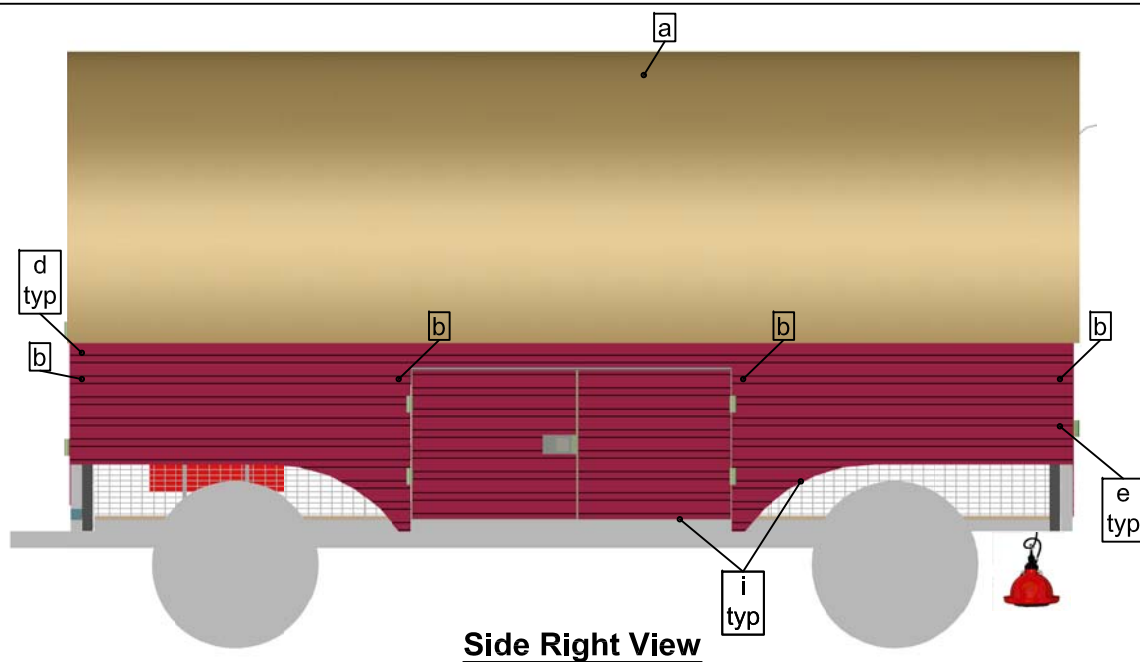
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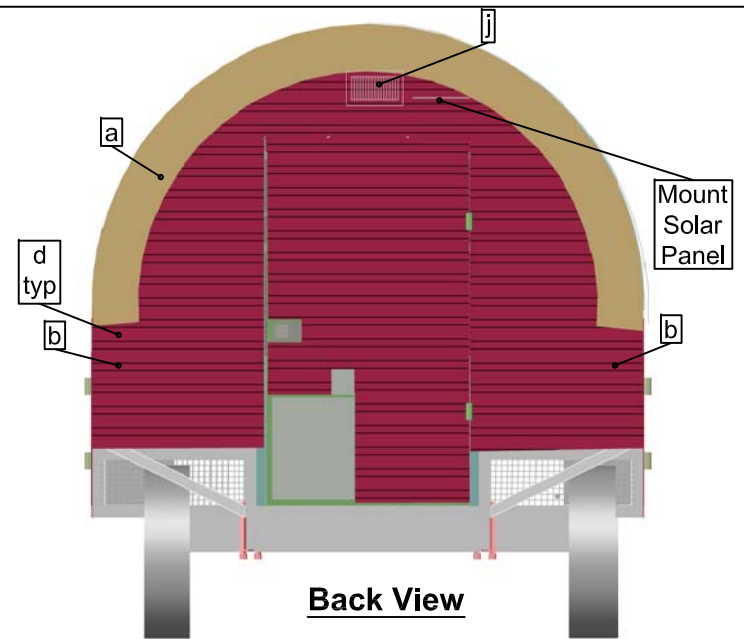
## SBC Chicken Coop Details

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C5



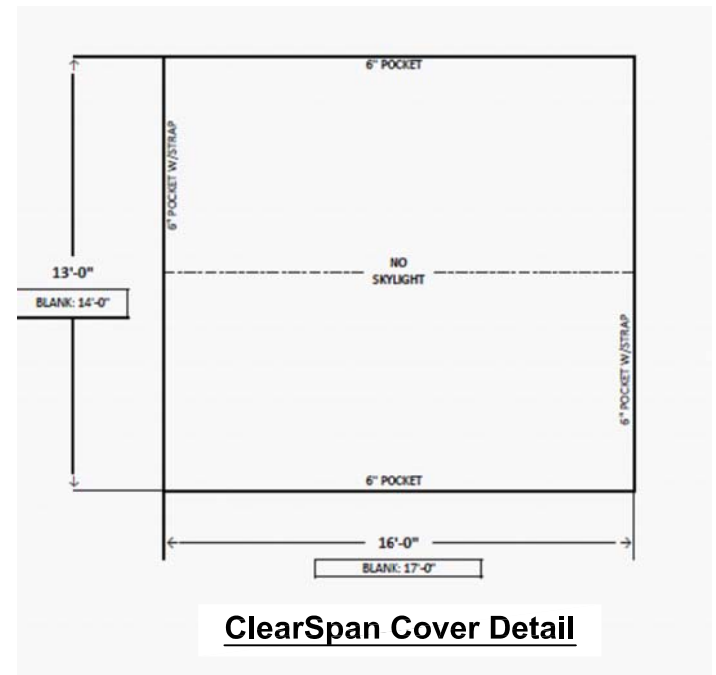
**Side Right View**



**Back View**

### Parts List

Item No.	No. Needed	Model No.	Material	Manufacturer
COVER				
a	208 SF	103541T	ClearSpan Custom Cover, Tan, 12.5 OZ. 16'x13'	FarmTek, Growers Supply 1-800-476-9715 www.farmtek.com
b	12 EA	QH1061	1" Strap Tie-Down Ratchet	
c	125 EA	FA4482A	TEK Screw #14X1 HWH Zinc	
d	42 Ft	103620A	1" Black Strap, 3000 LB	
SIDES				
e	5 EA	16'x3'	Imperial Rib Rustic - 29 Gauge	ABC 1-855-805-7555 www.abcmetalroofing.com
f	12 Ft	LG109	Denver Cable RR - Sidewall Flashing @ Corners	
g	16±	n/a	Closure Strips	
h	1 EA	1 $\frac{1}{4}$	Painted Metal Sub Screws	
i	70'±	EGB-GRGB	Trim-Lok Pre Glue $\frac{5}{16}$ " Plastic Trim	www.Trimlok.com
MISC				
j	2	10"x6"	Vents	
k	2	n/a	Door Closer	



**ClearSpan Cover Detail**

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 Scale: not to scale  
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 Drawn By: S.Rooney  
 File Name: 2017\_EggMobile.dwg

Title:

**SBC Chicken Coop  
Completed Views**

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**C6**