HO STRUCTURE KIT

PLASTIC PELLET PLANT

933-4145

Thanks for purchasing this Cornerstone kit. All parts are styrene so use compatible glue and paint to assemble and finish your model. Please take a few minutes to read these instructions and study the drawings before starting construction.

NOTE: You have the option of cutting the **base (1)**, following the grooves on the underside, to make smaller groups of silos. However, you will then have to make necessary piping modifications dependent on the way you lay out the silos. When assembling various piping, match the letters in the illustrations. There will be leftover parts after completing the assembly of this kit.

PIPING & SILO ASSEMBLY

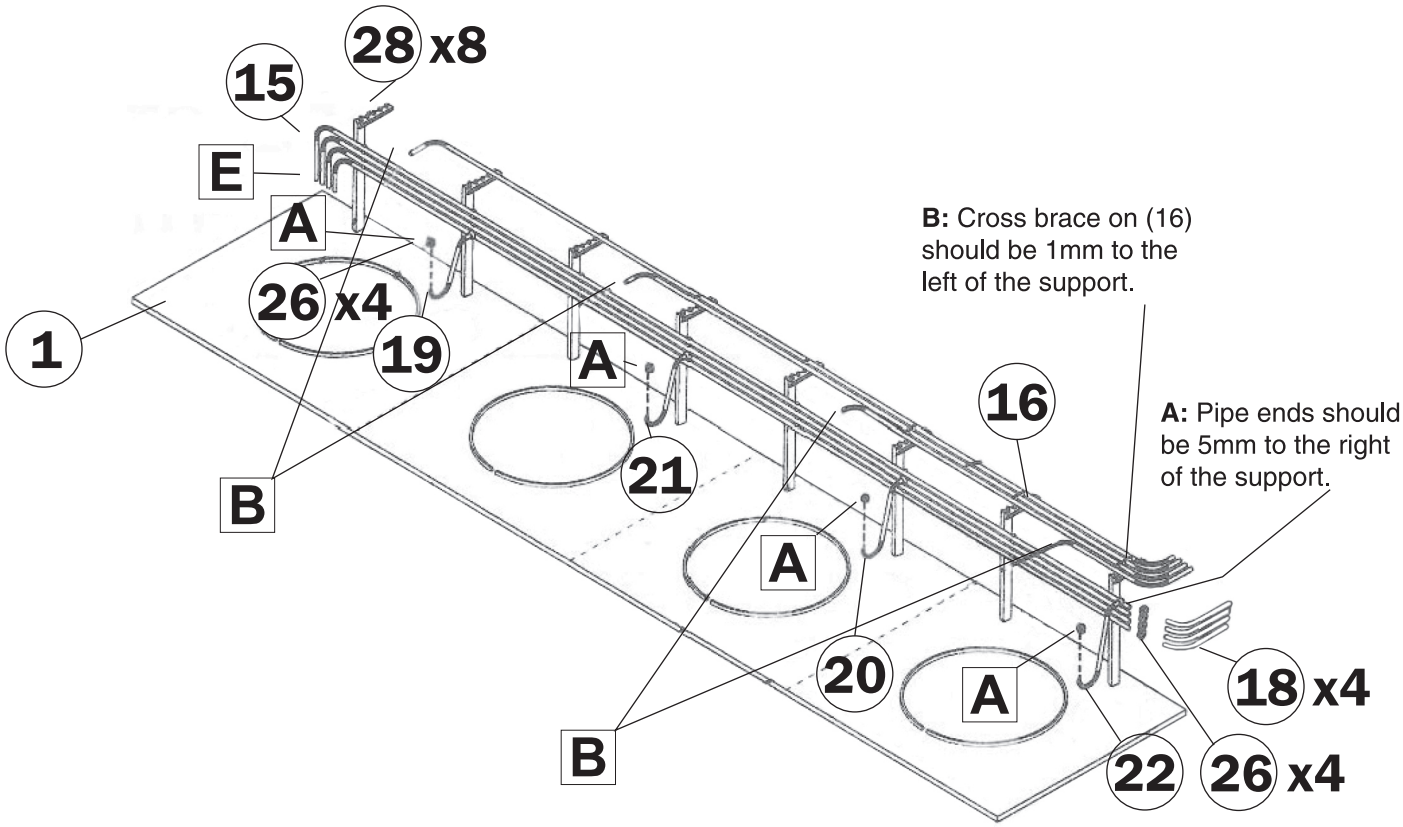
1. Glue the eight **pipe supports (28)** into the **base (1)**.

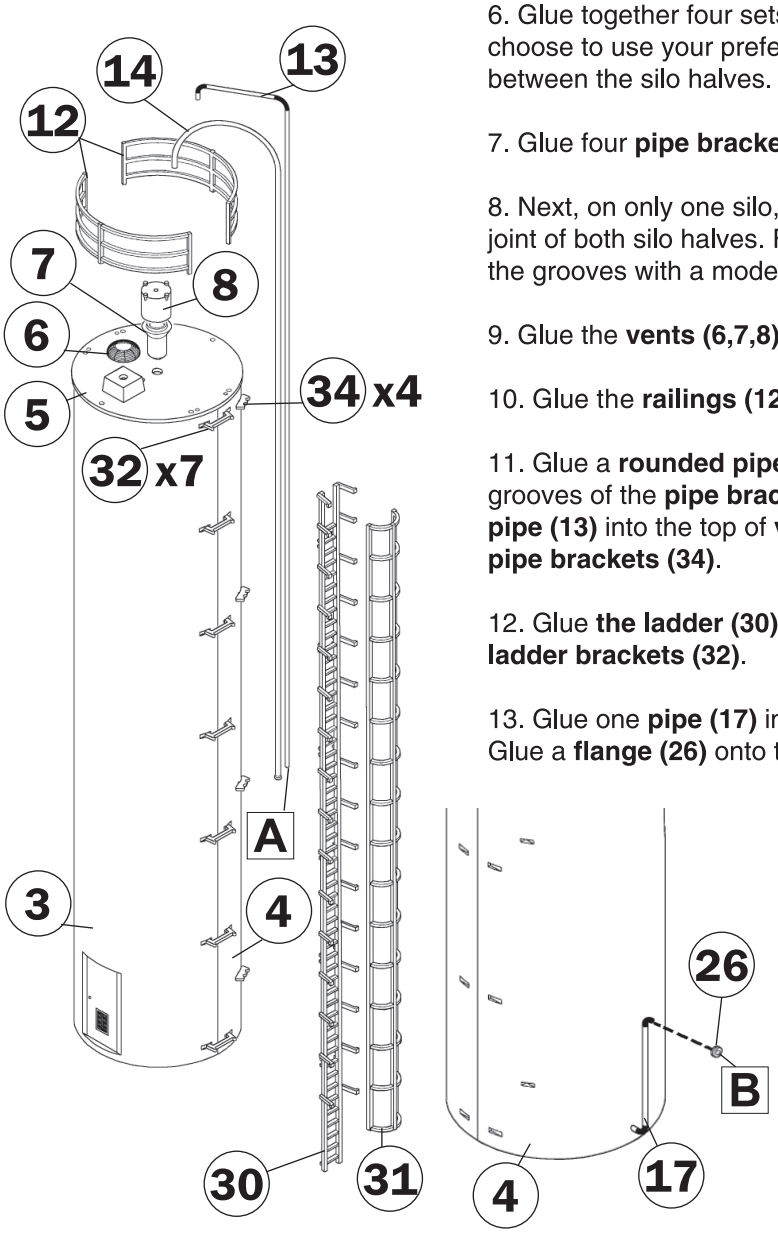
2. Glue **pipe assembly (15)** on top of the pegs on the vertical sides of the **pipe supports (28)**. Have the pipes extend 5mm (13/64") past the support on the right side (See note A).

3. Glue the **top pipe assembly (16)** on top of the **pipe supports (28)**. Each individual pipe fits between the notches on the support. The right cross bracing on **top pipe assembly (16)** should be positioned 1mm (3/64") to the left of the far right support (See note B).

4. Glue a **flange (26)** onto the bottoms of the four **loading pipes (19,20,21,22)**. Then, starting from the left side, glue the pipes to their respective places on **pipe assembly (15)** as shown. **NOTE: loading pipe (19)** is the shortest and goes on the left-most bottom pipe of **pipe assembly (15)**. Then comes **(21)**, **(20)**, and lastly **(22)** which is the tallest, and attaches to the right-most top pipe on **pipe assembly (15)**.

5. Glue four **flanges (26)** onto the right-most ends of **pipe assembly (15)**. Glue the curved ends of **pipes (18)** into the opposite side of the flanges you glued to the end of **pipe assembly (15)**.





6. Glue together four sets of **silo halves (3,4)** and then add **silo tops (5)**. You may choose to use your preferred brand of modeling putty to fill and sand the seams between the silo halves.

7. Glue four **pipe brackets (34)** in the grooves on each **silo half (4)**.

8. Next, on only one silo, glue seven **ladder brackets (32)** in the grooves along the joint of both silo halves. For the three silos NOT receiving a ladder, fill and sand the grooves with a modeling putty of your choice.

9. Glue the **vents (6,7,8)** in their respective places on the **silo tops (5)** as shown.

10. Glue the **railings (12)** into the holes on the outside edges of **silo tops (5)**.

11. Glue a **rounded pipe (14)** into the center hole of each **silo top (5)** and in the grooves of the **pipe brackets (34)** closest to the silo joint. Glue the end of **angular pipe (13)** into the top of **vent (8)** and in the other grooves of the **pipe brackets (34)**.

12. Glue **the ladder (30)** and **cage (31)** together, then attach the assembly to the **ladder brackets (32)**.

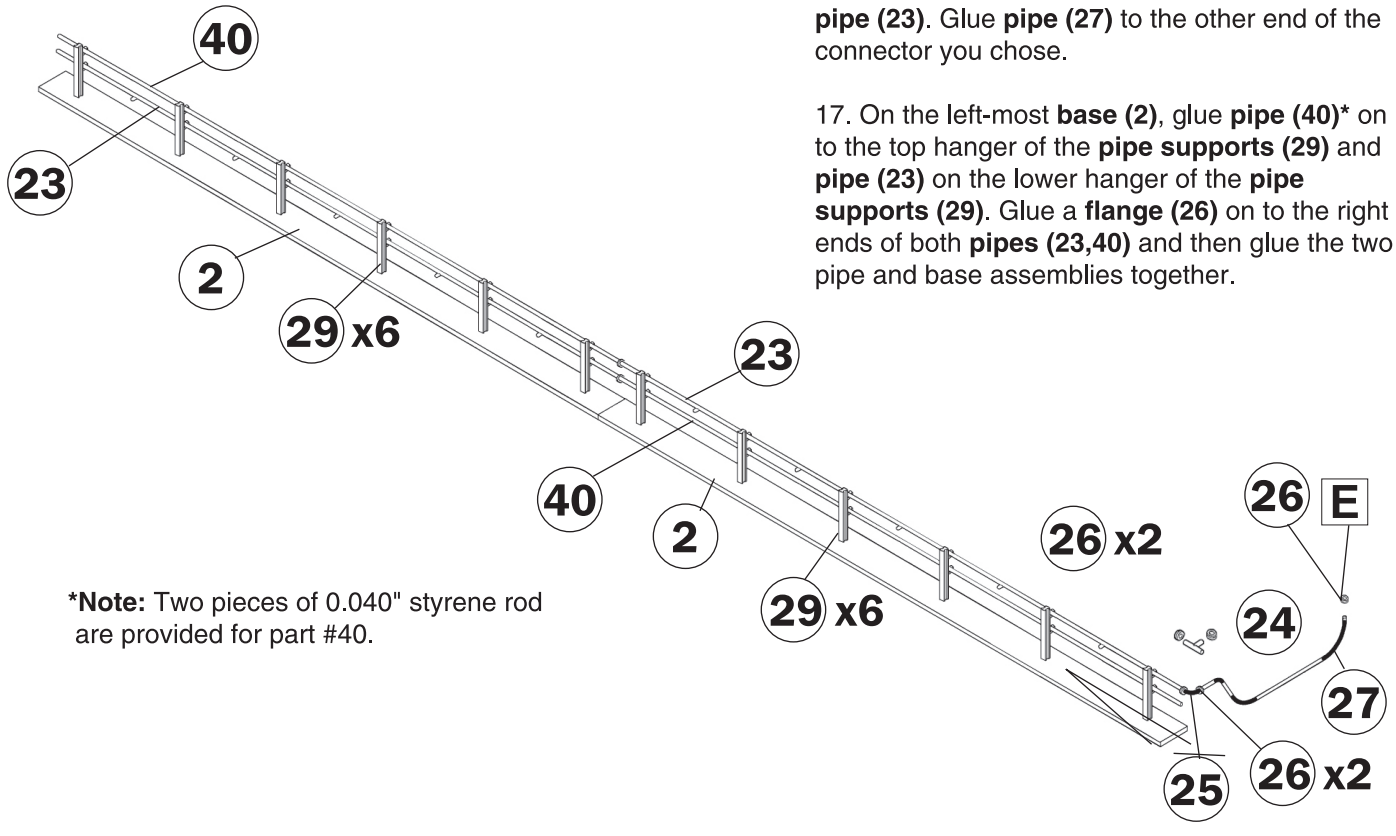
13. Glue one **pipe (17)** into hole at bottom of each **silo half (4)**.
Glue a **flange (26)** onto the top of each **pipe (17)**.

14. Glue six **pipe supports (29)** to both **bases (2)**.

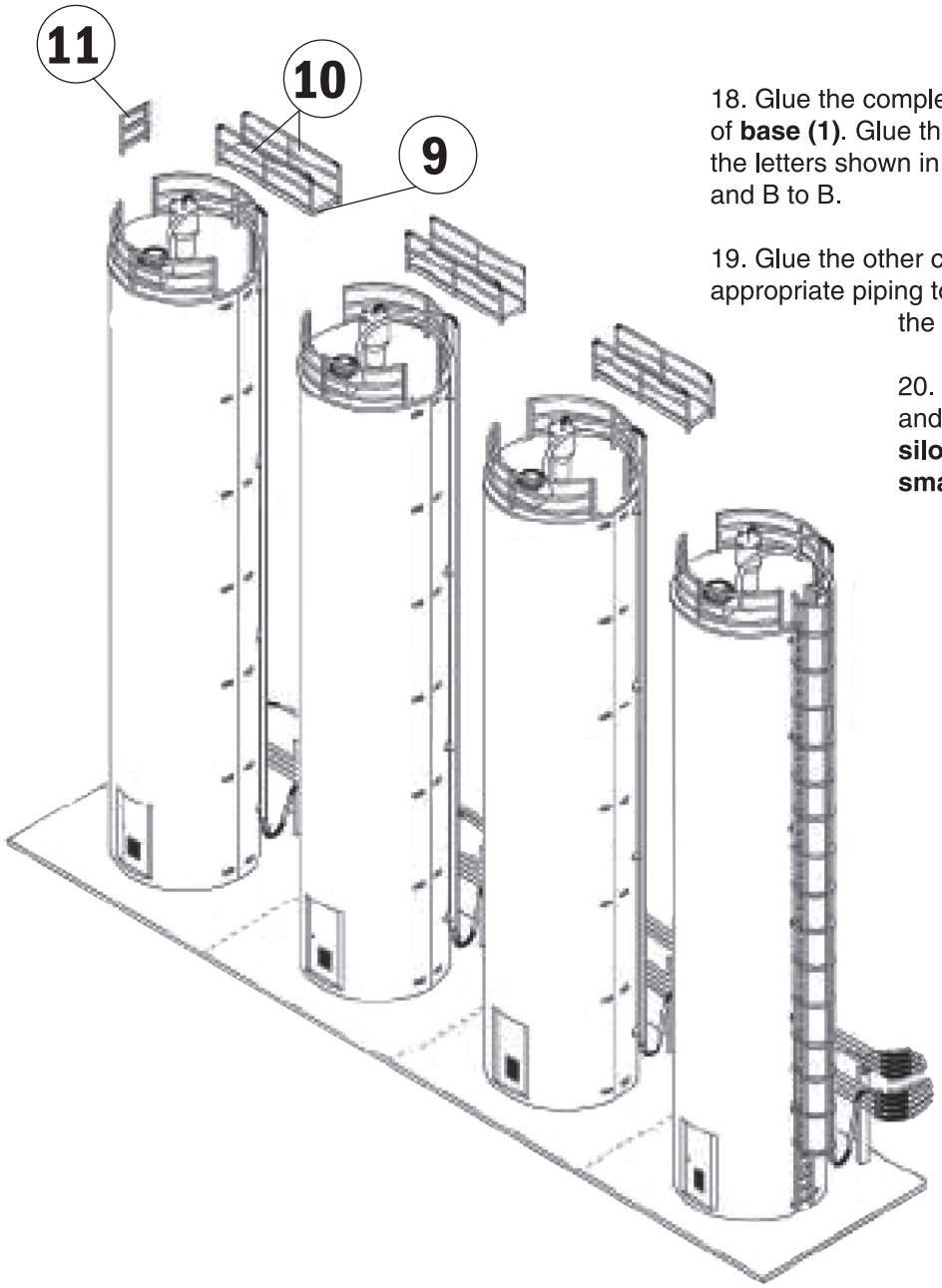
15. On the right-most **base (2)**, as shown in the illustration, glue **pipe (23)** onto the top hanger of the **pipe supports (29)**, centering the outlets between the supports. Glue **pipe (40)*** on the lower hanger of the **pipe supports (29)**, making sure the ends line up with the ends of **pipe (23).**

16. Glue two **flanges (26)** to your choice of either a **T-connector (24)** or an **elbow connector (25)** as shown, and then attach to the end of **pipe (23)**. Glue **pipe (27)** to the other end of the connector you chose.

17. On the left-most **base (2)**, glue **pipe (40)*** on to the top hanger of the **pipe supports (29)** and **pipe (23)** on the lower hanger of the **pipe supports (29)**. Glue a **flange (26)** on to the right ends of both **pipes (23,40)** and then glue the two pipe and base assemblies together.



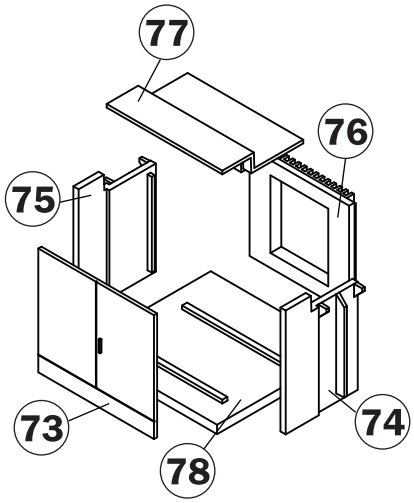
***Note:** Two pieces of 0.040" styrene rod are provided for part #40.



18. Glue the completed silo with the ladder on to the right side of **base (1)**. Glue the appropriate piping together by referencing the letters shown in the diagrams on pages 1 & 2, match A to A, and B to B.

19. Glue the other completed silos to **base (1)**, again gluing the appropriate piping together by referencing the letters shown in the diagrams on pages 1 & 2.

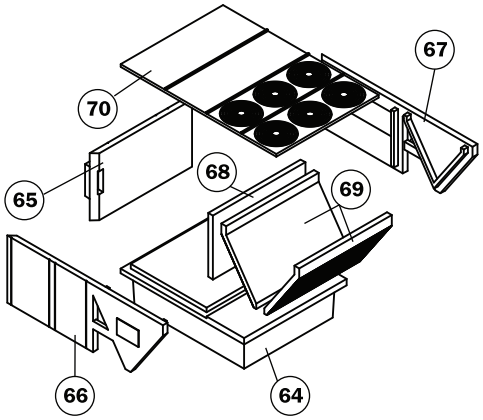
20. Glue three **gangways (9,10)** together and then glue them into the holes on the **silo tops (5)**. On the far-left silo, glue the **small railing (11)** in place.



PAD-MOUNTED TRANSFORMER ASSEMBLY

1. Using raised ridges on **transformer base (78)**, align inside edges of **right (74)** and **left (75) side walls**, then carefully glue them along with **front (73)**, and **rear (76) walls** to **base (78)**.

2. Complete assembly by gluing **top panel (77)** to the top of wall assembly.



AIR CONDITIONER ASSEMBLY (make four)

1.Glue **interior wall (68)** to raised ridge at right side of **base (64)** as shown.

2. Align outside edges of two **air inlets (69)** with matching raised ridges on inside of **front (66)** and **rear (67) sidewalls** and glue together.

3. Align lower left edges of **sidewalls (66, 67)** along raised ridges on **base (64)** and glue where parts meet.

4. Align side slots on **rear wall (65)** with tabs on **sidewalls (66, 67)**, and the lower edge of **rear wall (65)** with raised ridge on **base (64)** and glue parts at inside edges. Glue **top panel (70)**, to top of base and wall assembly.

5. Repeat for remaining three air conditioners.

WAREHOUSE ASSEMBLY

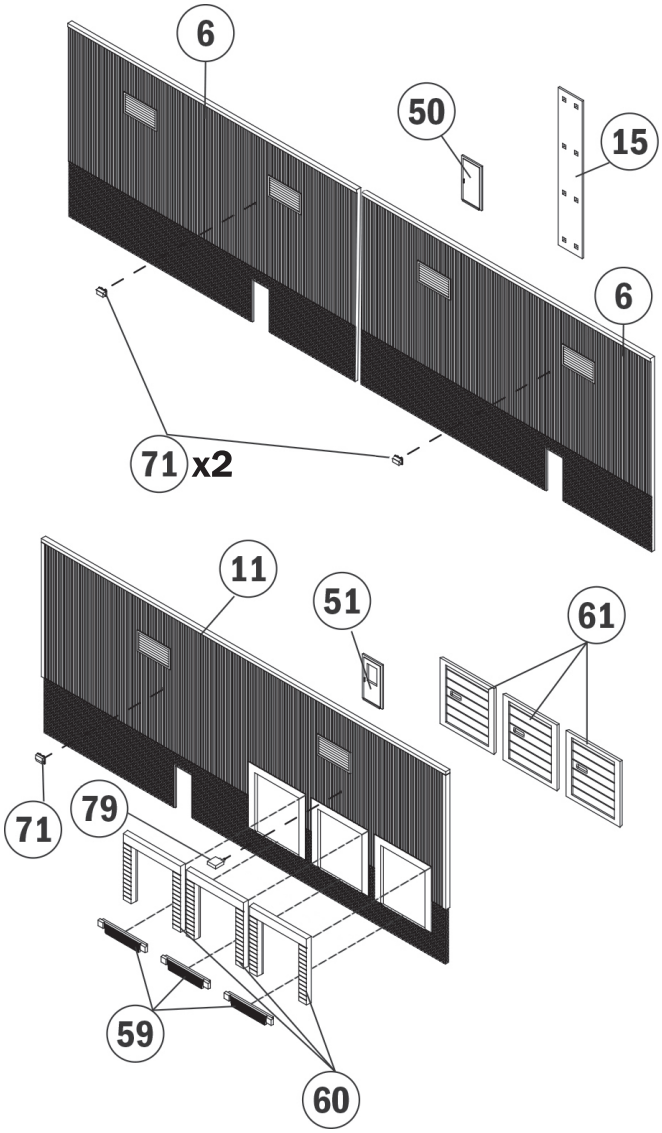
NOTE: Acetate is provided for "glass"; cut pieces slightly larger than openings and glue to backs of windows and doors. We suggest using white glue (PVA) or canopy glue to prevent damaging the acetate.

1. Abut two **sidewalls (6)** together, and glue from the back side by attaching a **wall connector (15)**. Glue two **entry/exit doors (50)** to inset areas on backs of **sidewalls (6)** where noted.

2. Glue two **exterior lights (71)** to the front of **sidewalls (6)** as shown.

3. Glue **entry/exit door (51)** and three **overhead dock doors (61)** to inset areas on back of **3-bay truck dock/rear wall (11)**. **NOTE: Overhead dock doors (61)** may be left off to model an open door.

4. Glue three **dock bumpers (59)**, three **weather seals (60)**, and **exterior lights (71, 79)** to the front side of **truck dock/rear wall (11)**.



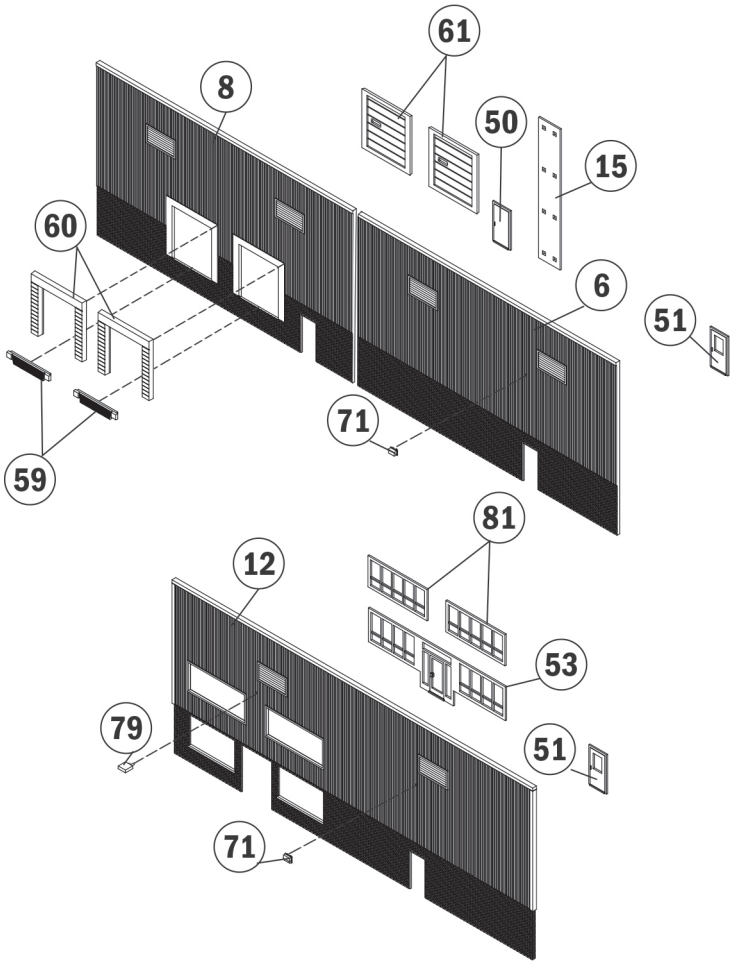
5. Abut **2-bay truck dock wall (8)** and **sidewall (6)** together, and glue from the back side by attaching a **wall connector (15)**. Glue **entry/exit door (50)** to inset area on back of **sidewall (6)**. Glue **entry/exit door (51)** and two **overhead dock doors (61)** to inset areas on back of **2-bay truck dock wall (8)** as shown.

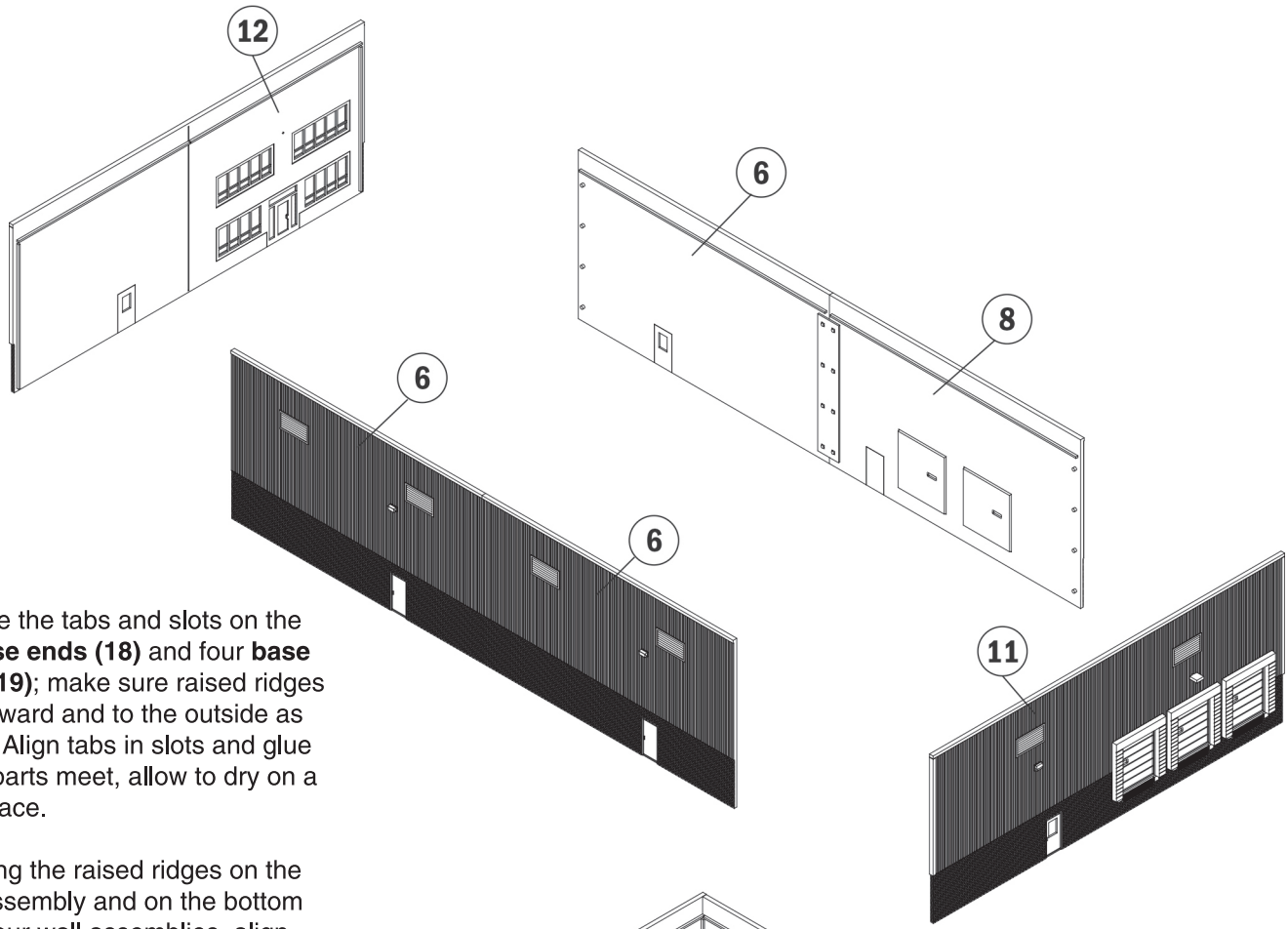
6. Glue **exterior light (71)** to the front of **sidewall (6)** as shown.

7. Glue two **dock bumpers (59)**, and two **weather seals (60)**, to the front side of **2-bay truck dock wall (8)**.

8. Glue two **upper office windows (81)**, **lower office windows & door (53)**, and **entry/exit door w/window (51)** to the inset areas on the back of **front wall (12)**.

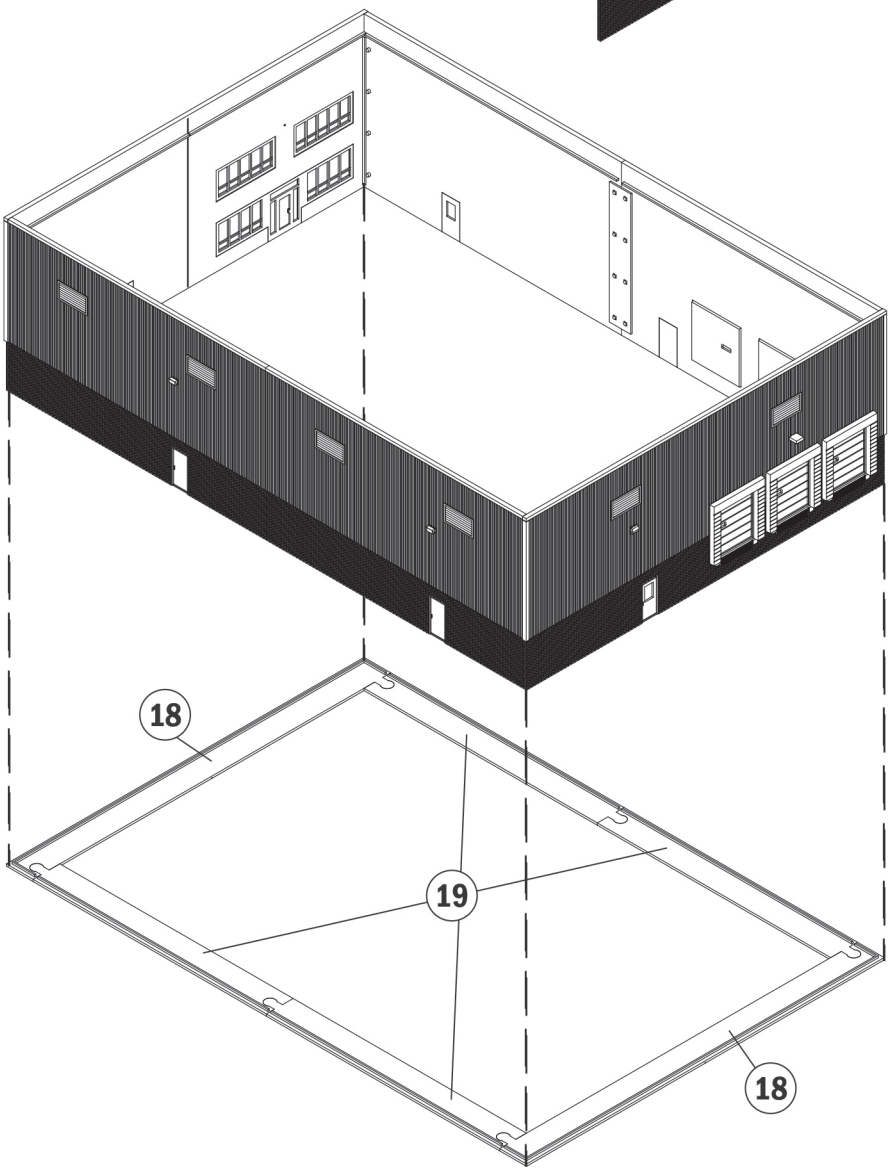
9. Glue **exterior lights (71,79)** to the front side of **front wall (12)**.

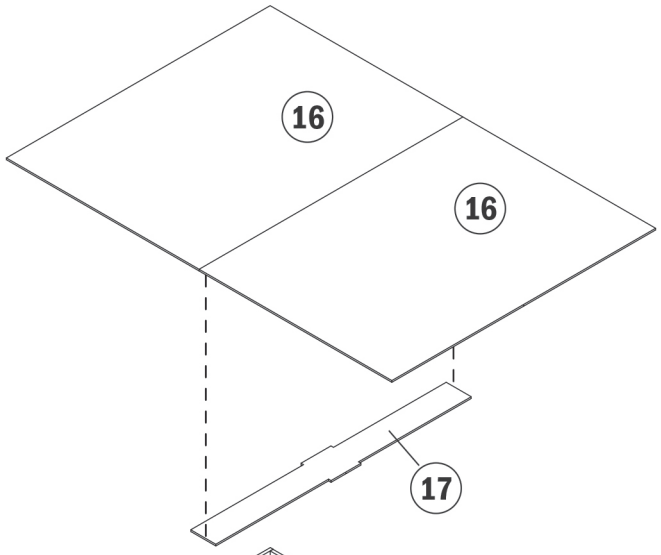




10. Note the tabs and slots on the two **base ends (18)** and four **base sides (19)**; make sure raised ridges face upward and to the outside as shown. Align tabs in slots and glue where parts meet, allow to dry on a flat surface.

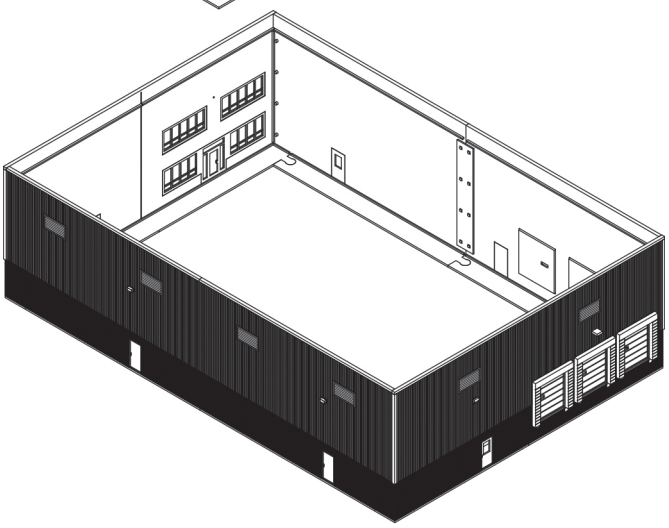
11. Using the raised ridges on the base assembly and on the bottom of the four wall assemblies, align corners and lower edge of each wall and carefully glue along inside edges where parts meet.

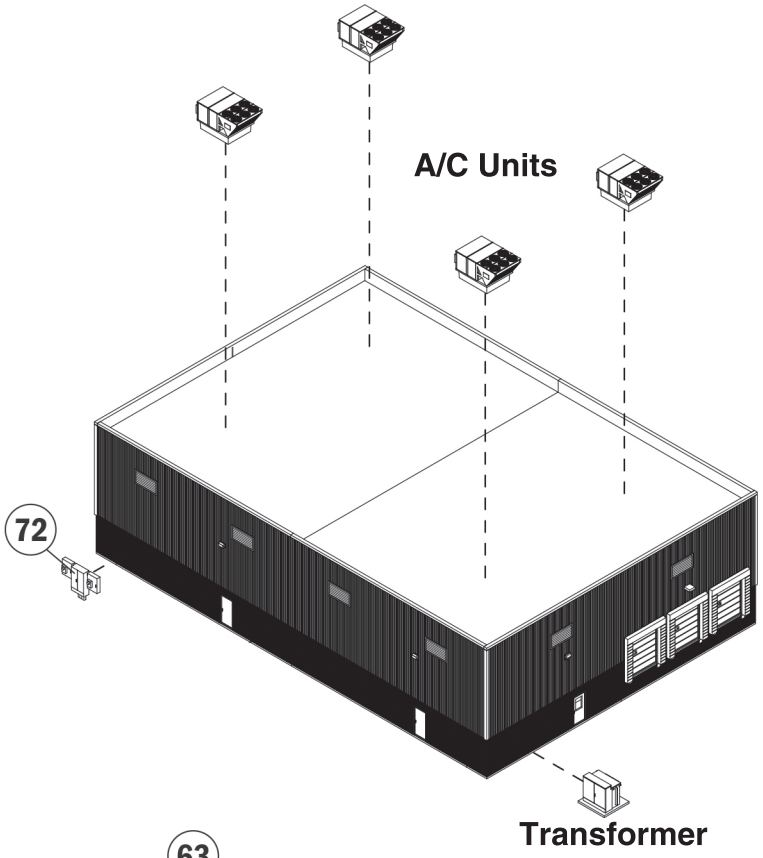




12. Place the two **roof halves (16)** upside down on a flat surface, and abut them so the edges with the raised alignment ridges are toward the center. Align **roof connector (17)** between the raised alignment ridges; glue where parts meet and allow to dry. Flip roof assembly over so the side with the **roof connector (17)** is facing downward.

13. Glue roof assembly into place on the ridges near the top of each wall assembly.

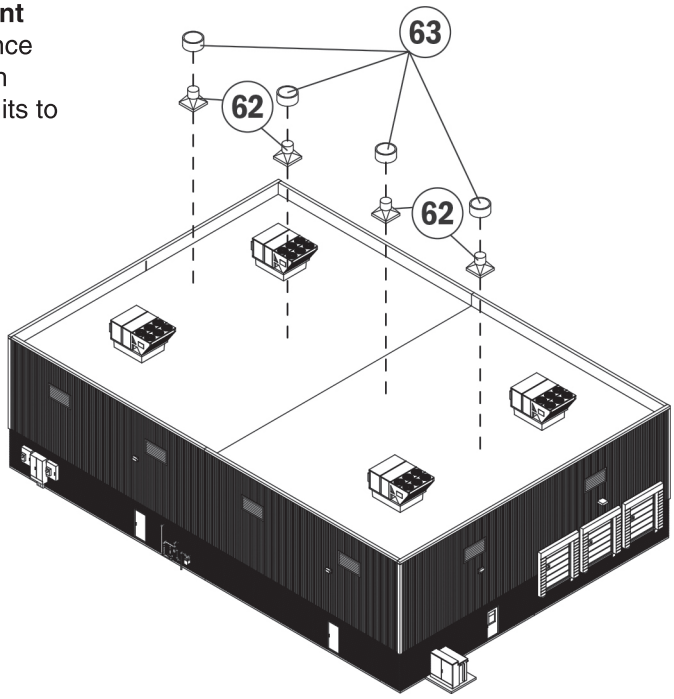




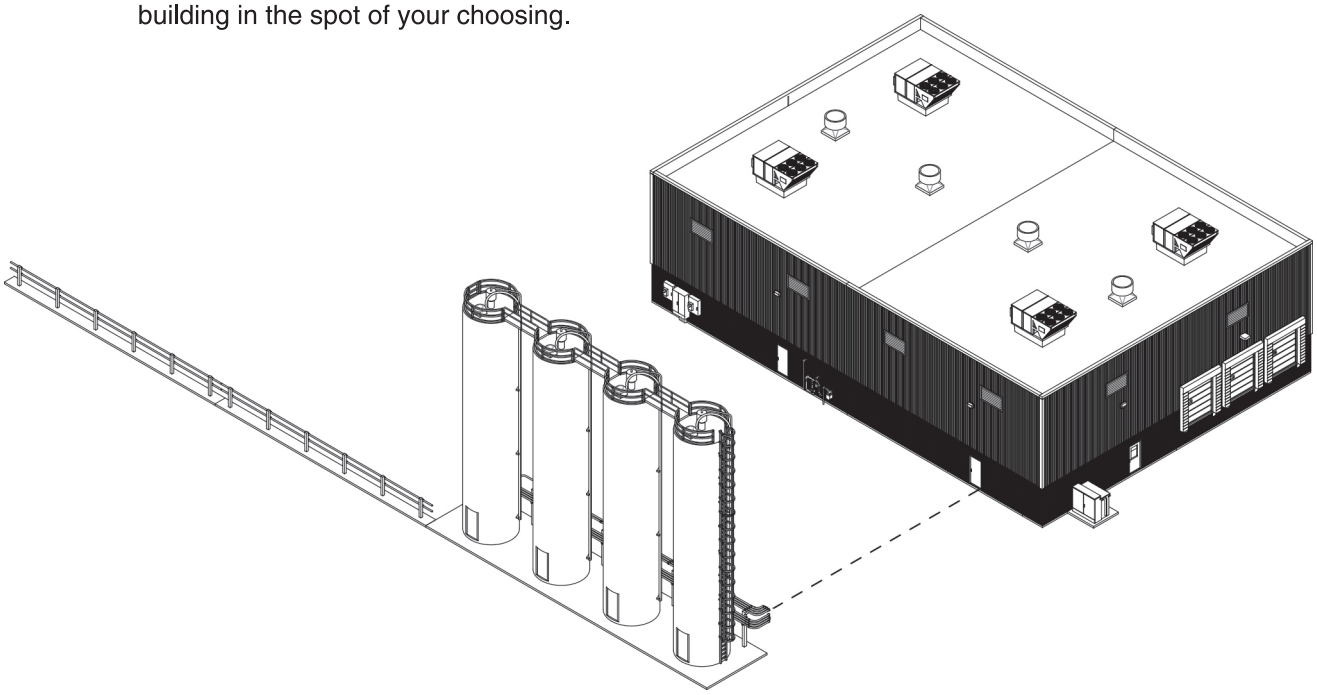
14. Glue four Air Conditioning Assemblies (from page 3) onto the roof as shown, (placement is a suggestion, place units to your liking).

15. Glue the **electrical box (72)** to the wall in a place of your choosing.

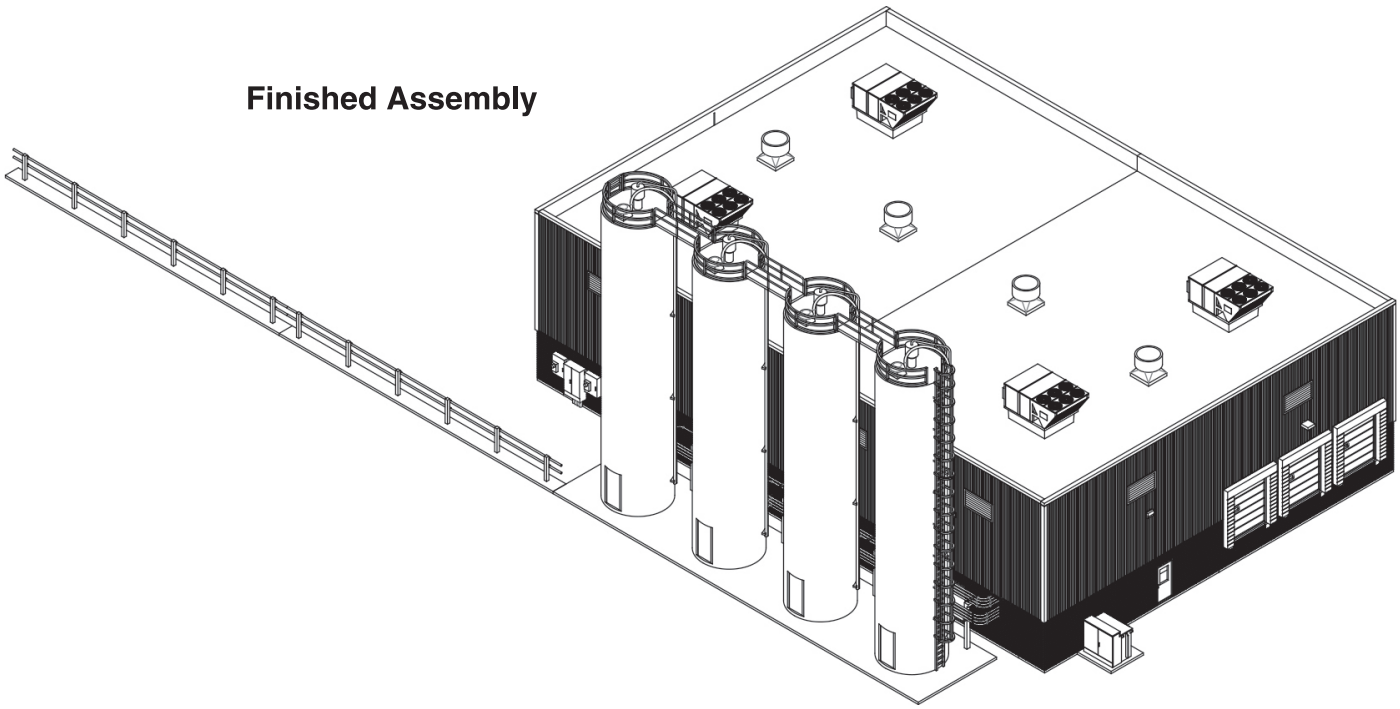
16. Make four vents by gluing the **vent tops (63)** to the **vent bases (62)**. Once dry, attach them to the roof as shown (placement is a suggestion, place units to your liking).

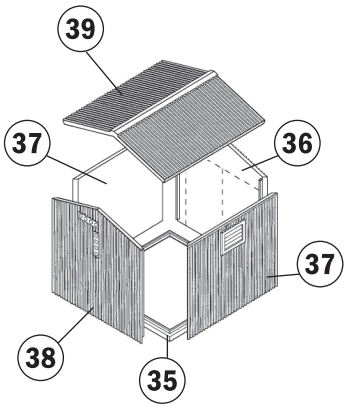


17. The piping on your silo assembly can be positioned and glued against the warehouse building in the spot of your choosing.



Finished Assembly





Parts for a spare shed are included. Place in your Plastic Pellet Plant scene, or save for another project!

1. Glue the **shed walls (36, 37, 38)** together and to the **base (35)**.

2. Glue the **roof (39)** on top of the wall assembly.

DECALING

1. After cutting out the decal, dip in water for 10 seconds, remove and let stand for 1 minute. Slide decal onto surface, position and then blot off any excess water.

2. Lightly brush on Micro Sol® on top. This will soften the decal allowing it to conform to irregular surfaces. DO NOT TOUCH DECAL while wet!

3. When the decal is thoroughly dry, check for any trapped air bubbles. Prick them with the point of a small pin or hobby knife blade and apply more Micro Sol®.

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