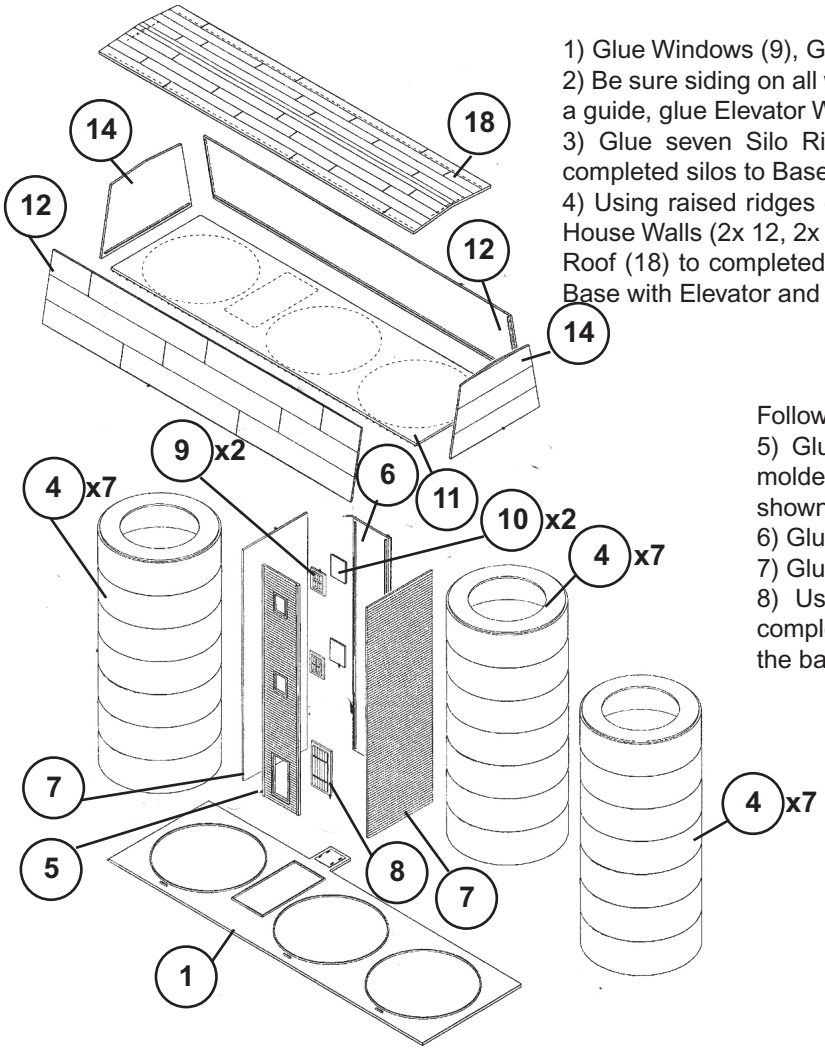
HO Structure Kit

GOLDEN FLAME FUEL CO.

933-3087

Thanks for purchasing this Cornerstone® kit. Please read these instructions and study the drawings before starting construction. Allparts are styrene plastic, so use compatible glue and paint to complete your model. For much of the 20th century, coal was the primary fuel of America, powering industries and keeping folks warm. While homes required less coal than commercial accounts, the market was larger, so retail coal dealers could befound just about anywhere. Rail service was a necessity as coal was shippedlong distances by the carload, but as most sales were in cold weather, owners typically ran a warm-weather business such as a lumber-yard, bulk building material sales or icehouse that also used rail service. Unloading and storing materials was also a challenge; railroads wanted cars back right way and small city lots meant operations had to be well organized. To speed coal unloading and save space, many used below-track pits so that cars could be emptied inminutes by gravity. To keep coal dry (wet coal produces sulfuric acid and freezes solid in cold weather) and store as much as possible on site, many dealers had large upright bins or bunkers made of poured concrete. A series of dump buckets lifted coal from the pit to a second set of conveyors and chutes directly above the bunkers. Gravity was then used to load the company's wagons or trucks for local deliveries. During the oil boom of the 1920s, oil furnaces became increasingly popular and many coal dealers added upright storage tanks and a small pump house to unload "furnace oil" from tank cars. A separate office handled the paperwork and housed a scale for weighing trucks as theymade deliveries. Fuel dealers of this type could be seen shoehorned into narrow city sidings well into the 1960s, and many simply left their silos stand-inglong after they no longer sold coal. Perfect for layouts from the early 1900s to the end of the coal era, this kit provides a number of details to model a full service fuel dealer. Like the prototypes, it's designed to go "up" instead of "out," making it ideal for use in odd-shaped spaces between tracks. For additional cars, figures scenery materials and more to complete your model,visit your local hobby dealer, check out the latest Walthers Model RailroadReference Book, or visit us online at walthers.com.

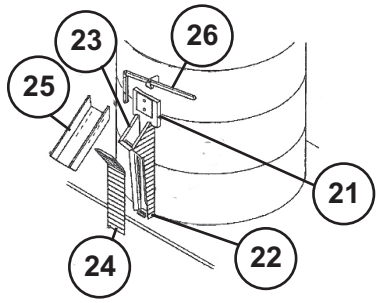


COAL BUNKER

1) Glue Windows (9), Glass (10) and Door (8) to Front Elevator Wall (5).
2) Be sure siding on all walls faces downward. Using raised ridges on Base (1) as a guide, glue Elevator Walls (5, 6, 2x 7) together and to Base.
3) Glue seven Silo Rings (4) together: repeat for each of three silos. Glue completed silos to Base.
4) Using raised ridges on top of Head House Base (11) as a guide, glue Head House Walls (2x 12, 2x 14) together and to Head House Base. Glue Head House Roof (18) to completed Head House. Align ridges on underside of Head House Base with Elevator and Silos and glue in place.

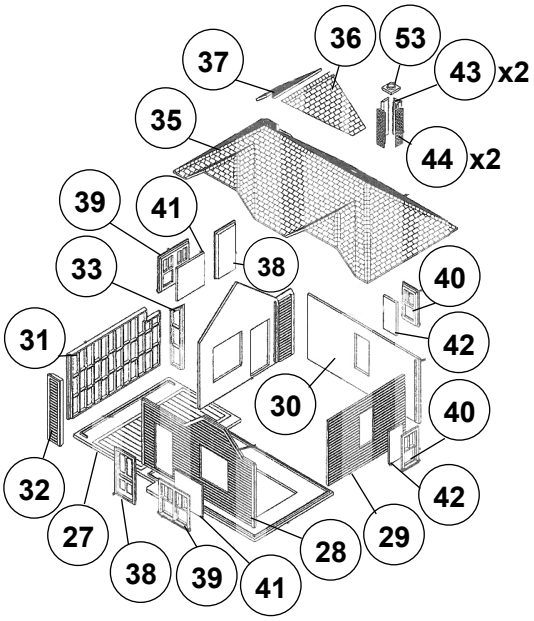
DISCHARGE CHUTES

Follow and repeat these steps to build three chutes:
5) Glue Chute Sides (22, 23) to Chute Back (21). Using the molded groove, carefully bend the Front Chute Wall (24) as shown to match the angle of the Chute Walls and glue in place.
6) Glue Chute (25) to Chute Walls.
7) Glue Release Handle (26) to mounting holes on Chute Back.
8) Using small raised ridge on Base (1) as a guide, glue completed discharge chute to Base and to Silo; note the peg on the back of the Discharge Handle rests on the silo.



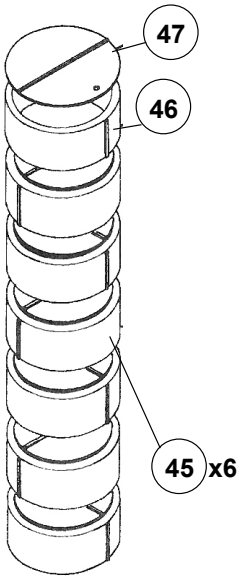
DECALING

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 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®.



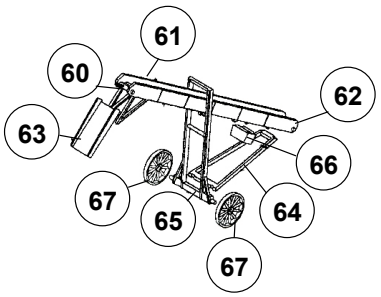
OFFICE

10) Glue Windows, Doors and Glass to Walls as noted:
Front Wall (28): Double Window (39) & Glass (41), Entry Door (38)
Right Wall (29): Single Window (40) & Glass (39)
Left Wall (34): Double Window (39) & Glass (41), Entry Door (38)
Rear Wall (30): Single Window (40) & Glass (39)
11) Using raised ridges on the right side of Office Base (27) as a guide, glue Office Walls (27, 28, 29, 30) together and to Base.
12) Using raised ridges on the left side of Office Base (27) as a guide, glue Scale Walls (31, 32, 33) together and to Base.
13) Glue Roof (35) to Walls. Note the small raised area above the opening at the back of the Roof: glue Left (37) and Right Side ofBack Roof Peak together, align with raised area and glue to Roof.
14) Glue Chimney Walls (2x 43, 2x 44) together. Glue Chimney Cap together and glue completed Chimney to Roof.



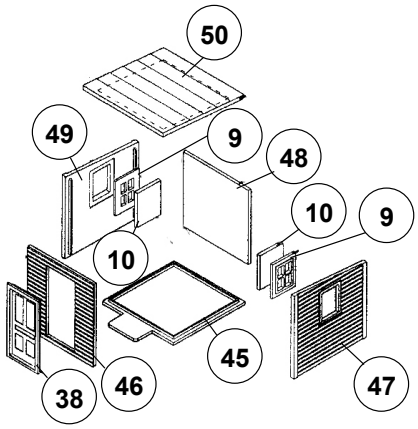
OIL TANKS

NOTE: Parts are included for two complete oil tanks, with one extra Tank Section (46) and Tank Top (47) left over.
18) With the welds 90 degrees apart, stack and glue Tank Sections (6x 46) together. Make sure welds on Tank Top (46) are at 90 degrees and glue to last Tank Section. Glue Tank End (47) to Tank Top (46). Repeat for second Oil Tank.



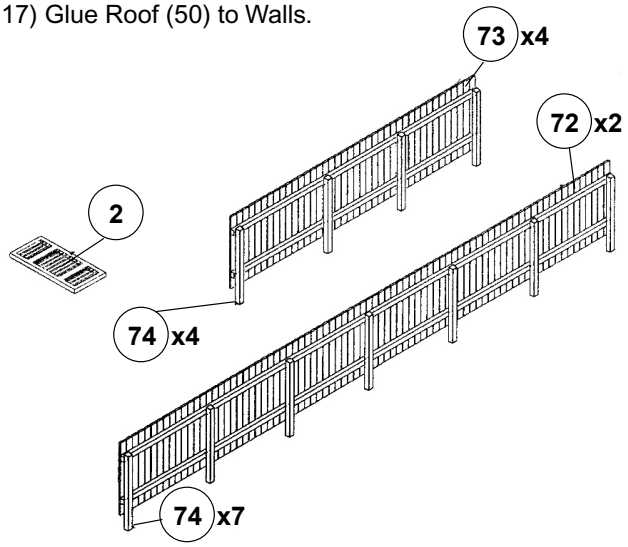
LARGE CONVEYOR

21) Glue Large Conveyor Sides (61, 62) to Large Belt (60). Glue Large Conveyor Motor Box (66) under Large Belt between knobs on bottoms of Large Conveyor Sides. Glue Large Chute (63) to conveyor assembly.
22) Slide conveyor assembly through Large Conveyor Upright (65) and glue to horizontal bar. Glue Bottom Brace (64) to Upright and to bottom of Conveyor.
23) Glue Conveyor Wheels (67) to Upright.



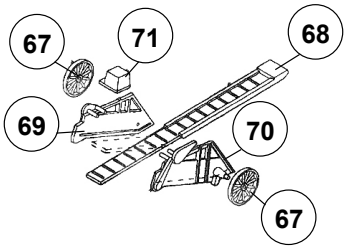
OIL PUMP HOUSE

15) Glue Windows (2x 9) to Left (49) and Right Side Walls (47). Glue Glass (2x 10) to Windows. Glue Door (38) to Front Wall (46).
16) Using raised ridges on Oil Pump House Base (45) as a guide, glue Walls (46, 47, 48, 49) together and to Base.
17) Glue Roof (50) to Walls.



FENCES & TRACK GRATE

19) Align Fence Posts with each end of the Fence, spaced equally between: Note: for corners trim off one fence post and align. Usingraised ridges on Fence Posts (74) as a guide, glue horizontal braces on Fence (2x 72, 4x 73) to Fence Posts.
20) Determine the location of the Grate (2); remove the appropriate number of ties from track and slip in place; you may also wish to open up the area under the roadbed or bench work to model the actual pit.



SMALL CONVEYOR

24) Using the molded groove, carefully bend the bottom end of the Unloader Belt (68) upward. Glue to ridges on inside of Small Conveyor Sides (69, 70). Glue Small Conveyor Motor Box (71) in front of small knobs on top of Small Conveyor Sides.
25) Glue Conveyor Wheels (67) to Upright.