



HO Structure Kit MODERN GUARD SHACK

933-4076

Thanks for purchasing this Cornerstone kit. Please take a few minutes to read the instructions and study the drawings before starting construction. All parts are styrene plastic, so use compatible paint and glue to finish and assemble your model. PLEASE NOTE: This model includes some items that require assembly, and add-on details that can be used with these and other structures (sold separately). Some pieces are very small, so use care when removing them from the sprues: refer to the layout below to help identify parts.

Although humans have been protecting property since prehistoric times, the industrial revolution first brought about the need to secure facilities on a large scale. While some aspects from that era such as fences and guard shacks are still with us, today's security personnel have to be able to detect, prevent and respond quickly to a much greater range of potential problems. Technology has provided assets that make the job easier, such as closed circuit TV cameras, electronic locks, motion detectors and various types of remote monitoring equipment to detect fires or similar hazardous conditions. Security teams typically work from a central office, with additional manned stations located at control points to restrict pedestrian or vehicle access to the property as needed. Marked and unmarked vehicles of all types from Segues to SUVs allow officers to make routine patrols and respond quickly to incidents, but foot patrols are still part of the routine as well. While many firms have their own security staff and equipment in corporate colors, others contract with private companies. Typical of modern security facilities protecting industrial parks, large industries, rail yards, intermodal terminals, warehouses, harbors and more, this kit makes it easy to model this important part of the contemporary scene quickly and easily. In addition to the office and guard shack, the many smaller details included can be placed at key locations on existing factories and businesses to modernize them as well. To bring your new facility to life with figures, signs, vehicles and more, see your hobby shop, check out the latest Walthers Reference Book, or visit us online at walthers.com.

Sliding Entry Gate

PLEASE NOTE: The cantilever-style gate is designed for use with the Cornerstone Chain Link Fence kit included, which can be expanded with additional kits (#933-3125), sold separately. For easier assembly, paint all parts before starting. The Gate (3) can be assembled in either the closed or open position, but with careful assembly, can be made positionable as noted.

1) On gates of this type, the fence (four panels at left with one cross brace) is fitted with chain link material; the counterweight (two panels with x-braces at right) is not covered, and is installed directly behind an existing section of chain link or other fencing. Please refer to step 4 under Chain Link Fence for instructions on cutting and installing the material. PLEASE NOTE: If you are building your gate open or closed, glue the chain link material to the horizontal rails at top and bottom, and trim flush. For a positionable gate, measure the area between the rails, cut the chain link material to fit and carefully glue to ends and cross braces between horizontal rails.

2) Note the location of the various mounting points on Base (1). At left, glue Pole (39) from the Chain Link Fence kit and Latch Post (7) in place as shown.

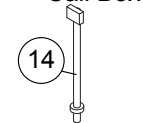
3) Note the alignment pins on the back of each Roller (4x 4); glue to mounting points on back of Roller Frame (2). Glue completed Frame to Base. Glue Top (5) to Bottom (6) of Electric Opener; align mounting points on Bottom and glue to Base as shown. Thread the completed gate through the Rollers and position open or closed as desired.

Security Details

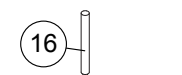
Most parts are one-piece (check out structures in your area or prototype photos online for installation ideas), however the following require minor assembly:

Stop Light: Glue Lamp (12) to Base (13).
Talkback Speakers: Glue Speaker (9) to Mount (10).

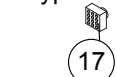
Post-Mounted
Call Box



Protection Post



Wall-Mounted
Keypad Entry Unit



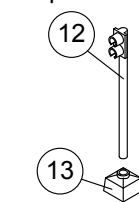
Speed Bumps



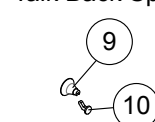
Hanging Dome
Camera



Stop & Go Light



Talk Back Speakers



Window A/C Unit



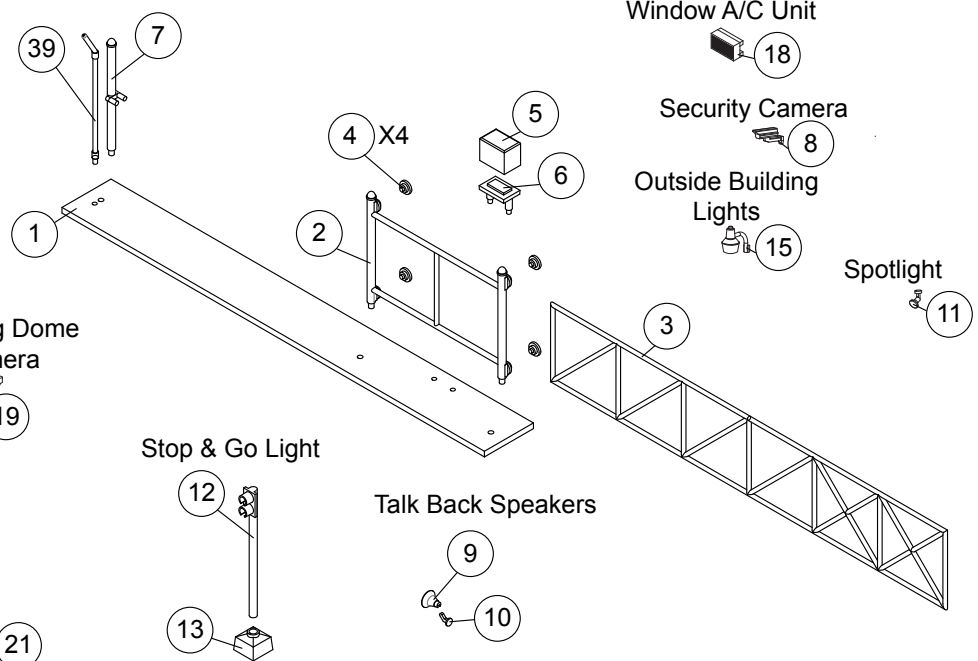
Security Camera



Outside Building
Lights



Spotlight

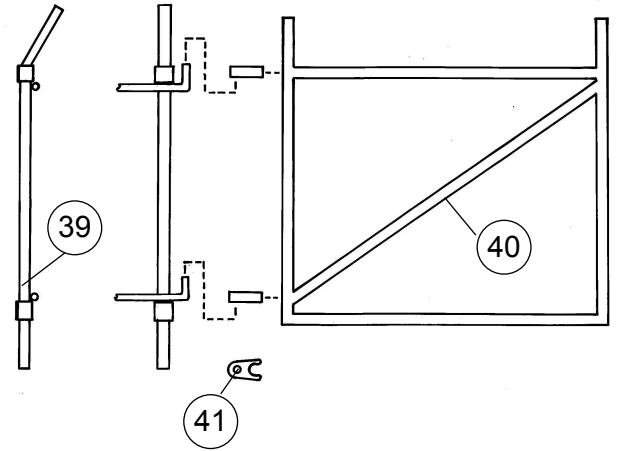


Chain Link Fence

1) For easier construction, paint all parts silver or aluminum (paint sold separately) before beginning assembly. Select a location for the fence and determine the spacing of the poles, starting from a corner — poles are usually no more than 10' (3m) apart, and should be installed with the angled top facing outward. Poles used for gateposts should be spaced 2-3/4" (7cm) apart; gates may be located at the corners or on any side of the enclosure as desired.

2) Drill mounting points for each Pole with a #62 drill bit (sold separately), apply glue and push poles in place down to the bottom collar.

3) Measure the distance between each corner post. Cut two pieces of wire (eight total) to fit between each corner post — wires between access gates only: add 1/16" (1.5mm) to the overall length and bend approximately the last 1/16" (1.5mm) of each wire at a right angle as shown. Align wires below the upper and above the lower collars as shown, and glue in place with cyanoacrylate (CA) type adhesive (sold separately) — wires between access gates only: make sure the bends face upward and extend about 1/16" (1.5mm) beyond the gateposts. Align Hinges on Gates as shown and glue in place. When dry, slip Hinges over mounting wires.



4) Mount the chain link material on a sheet of contact paper (sold separately) and cut into uniform strips, each 15/16" (23.8mm) wide. Starting at a corner, work slowly and carefully align the edge of the material on the edge of the Pole, and glue in place using CA adhesive — a slow-setting formula will give you time to make adjustments. When dry, carefully pull the material taut as far as the next Pole, and apply small amounts of CA along the top and bottom wires. Repeat for each Pole.

Guard Office

1) Glue Doors and Windows to Walls as shown:

Front Wall (2): Glass (2x 9), Windows (4x 7), Door (8), Door Glass (10)

Left Side Wall (4): Glass (9), Window (7), Door (8), Door Glass (10)

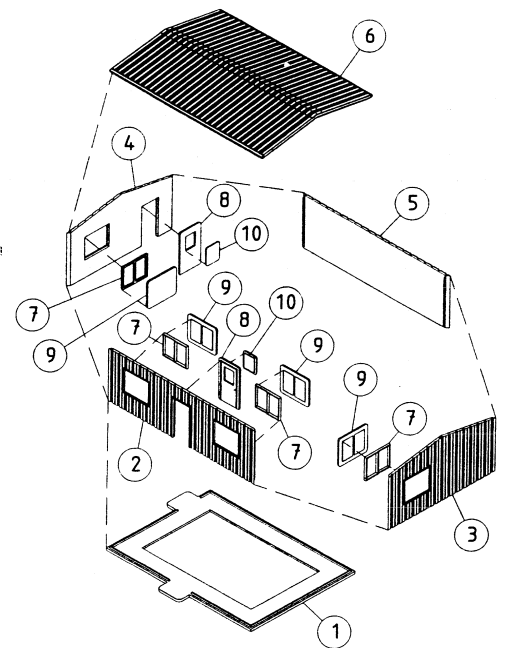
Right Side Wall (3): Glass (9), Window (7)

Window Air Conditioners (18) may be installed in one or two windows as desired.

2) Using raised ridges on Base (1) to align parts, glue wall assemblies (2, 3, 4, 5) to Base and at inside corners where parts meet.

3) Roof (6) can be set in place to add lights or interior details (sold separately) or glued as desired. Align ridges on bottom of Roof with tops of walls.

FIGURE 1:
Guard Office



Gate House

1) Glue Door and Windows to Walls as shown:

Front Wall (12): Glass (9), Window (7)

Right Side Wall (13): Glass (9), Window (7)

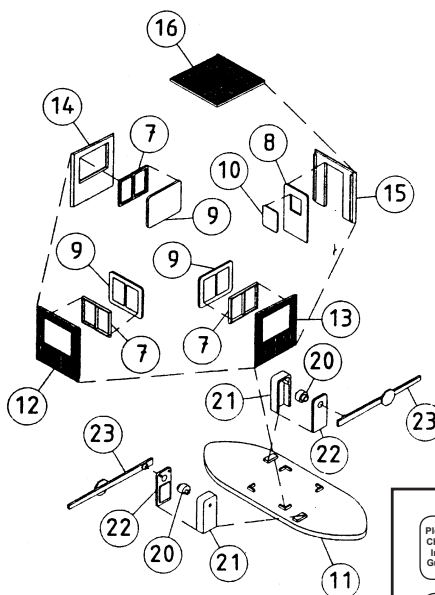
Left Side Wall (14): Glass (9), Window (7)

Entrance Wall (15): Door (8), Door Glass (10)

2) Using raised L-shaped ridges at the center of Base (11) to align parts, glue wall assemblies (12, 13, 14, 15) to Base and at inside corners where parts meet.

3) Roof (16) can be set in place to add lights or interior details (sold separately) or glued as desired. Align ridges on bottom of Roof with tops of walls. If desired, cut Check In and Speed Limit signs from sheet below and glue where desired with white glue.

FIGURE 2:
Gatehouse with Gate



Gates:

Parts are include for two gates, both assemble as follows:

1) PLEASE NOTE: If you wish to make your gates positionable, align - do not glue - larger end of Pivot (20) with opening on Gate Post Front (22). Glue Gate Post Rear (21) to Post Front as shown.

2) Carefully glue mounting point on back of Gate (23) to large end of Pivot. Cut Stop Sign from sheet below and glue to Gate with white glue.

3) Be sure to align gates to left or right as shown: using raised pads at ends of Base (11) to align parts, glue both gate assemblies to Base.

