

GENERAL INFORMATION

Flashing Light Crossing Signals manufactured by Western-Cullen-Hayes represent the latest in design features. This catalog section illustrates the most popular arrangements of flashing light signals, gates and accessories.

All Type 985-201, 12 inch light units and Type 970-201, 8-3/8 inch light units used on our A-479 Crossing Signal and our Model 10 Gate Crossing Signal are made of aluminum. The lamp receptacle bracket is positioned to ensure exact focusing of the lamp filament to the parabolic reflector. The filament is also aligned with the side light openings that are fitted with clear plastic discs.

All light units include an integral 1-1/4 inch hub that allows the light to be attached to junction box crossarms by using adapter elbows with either threaded fittings on both ends, or threads on one end and a clamp fitting on the other.

Type 960 Junction Box Crossarms used on our crossing signals are made of aluminum and include terminal strips totaling 8 binding posts. The light units are attached to the crossarm by suspension brackets that provide for independent horizontal and vertical alignment of each light.

Roundels furnished are 8-3/8 inch or 12 inch diameter red Lexan. Please see roundel details later in this section.

The Type A-479 Crossing Signal is an assembly of flashing light units on a 4 or 5 inch diameter aluminum mast in combination with the appropriate signs and a warning bell or a pinnacle.

A Model 10 Gate Crossing Signal consists of the appropriate signs, light units and gate mechanism, mounted on a 5 inch diameter mast with a junction-box type base and a bell or pinnacle. Where cantilever type flashing light signals are required, the gate mechanism and gate arm are frequently mounted on a separate short mast located between the cantilever signal and the track.

Several types of gate mechanisms are available; two and three power wire models with either vital or non-vital control relays depending on customer requirements. Please see the enclosed product listing for mechanism details or consult our customer service department.

Any of our gate mechanisms can be equipped with an auxiliary sidewalk gate arm. These sidewalk arms may also be purchased in kit form for 3590 Series gate mechanisms.

All mechanisms are provided with spare circuit controller contacts for the indication of gate arm position. Our mechanisms are of the power down type.

When ordering Model 10 Gate Crossing Signals, please specify; the type of mechanism; length of gate arm; size (8-3/8 inch or 12 inch) and configuration of the light units; the type of signs required and whether or not a bell is to be included. Check lists are provided in this catalog section to aid you in ordering Model 10 and A-479 Signals.

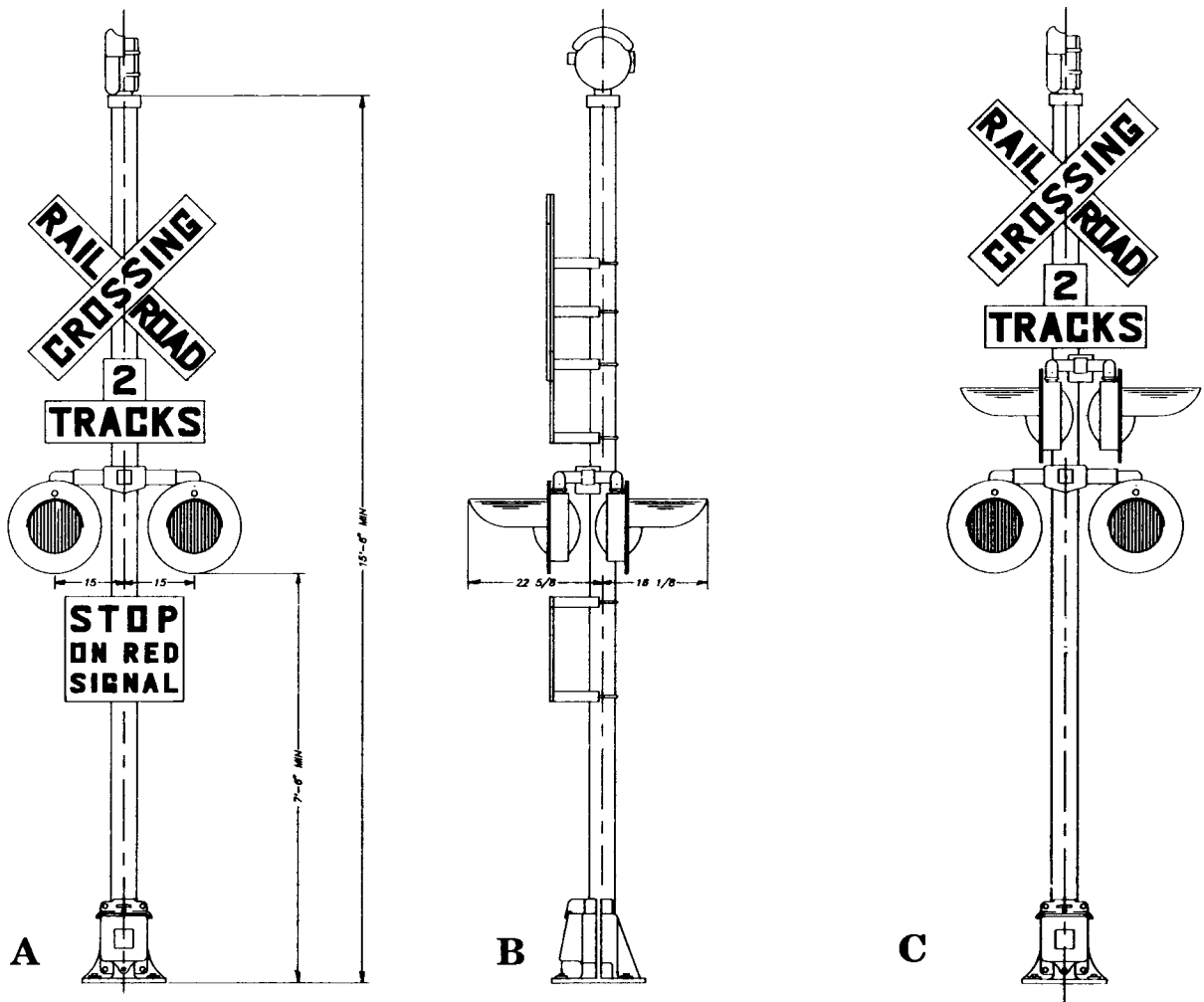
Type A-479 Flashing Light Crossing Signal with 12 Inch Light Units

The majority of flashing light highway crossing signal installations require two flashing light signals with two-way indication; one with a bell and one with a pinnacle, although frequently two bells are used. The Western-Cullen-Hayes A-479 all-aluminum signal assemblies meet most requirements. They come with 4 inch diameter mast, a junction box base having 9-1/2" x 9-1/2" anchor bolt spacing and reflective sheet type crossing signs on sheet aluminum. Our 0333 type crossing bell is usually supplied but special bells are also available. Lexan roundels having a variety of horizontal spreads and downward deflections are available.

Stop On Red Signal or Multi-Track signs may be ordered as options.

Extra lights can be mounted at any angle which may be required.

Other configurations and assemblies using 8-3/8 inch light units can be furnished to meet particular requirements.



Ordering References

Listed below are ordering references for the signal assemblies shown on page 3 as well as other typical crossing signal configurations. Refer to following catalog pages for details about the mast and base, various signs and sign mounting kits, lights and support brackets.

Reference	Description	Part No.
A	Flashing Light Highway Crossing Signal complete; one-way indication, with 0333-2 Bell, Stop on Red Signal Sign and Number of Tracks Sign.	A479-50-0113
A1	Same as reference A, but without Track Sign.	A479-50-0111
A2	Same as reference A1, but with pinnacle in place of bell and without Track Sign.	A479-50-0112
B	Flashing Light Highway Crossing Signal complete; two-way indication, with 0333-2 Bell, Stop on Red Signal Sign and Number of Tracks Sign.	A479-50-0103
B1	Same as reference B, but without Track Sign.	A479-50-0101
B2	Same as reference B, but with pinnacle in place of bell and without Track Sign.	A479-50-0102
C	Flashing Light Highway Crossing Signal complete; two-way indication main lights, two-way indication side lights, 0333-2 Bell, and Number of Tracks Sign.	A479-50-0124
C1	Same as reference C but with pinnacle in place of bell and without Track Sign.	A479-50-0125

References listed include light units with 20°-10° roundels and 12V AC /DC bells.

Many other configurations for the A479 Signal are available. Please consult our customer service department, or use our handy Check List to design the signal that best meets your needs.

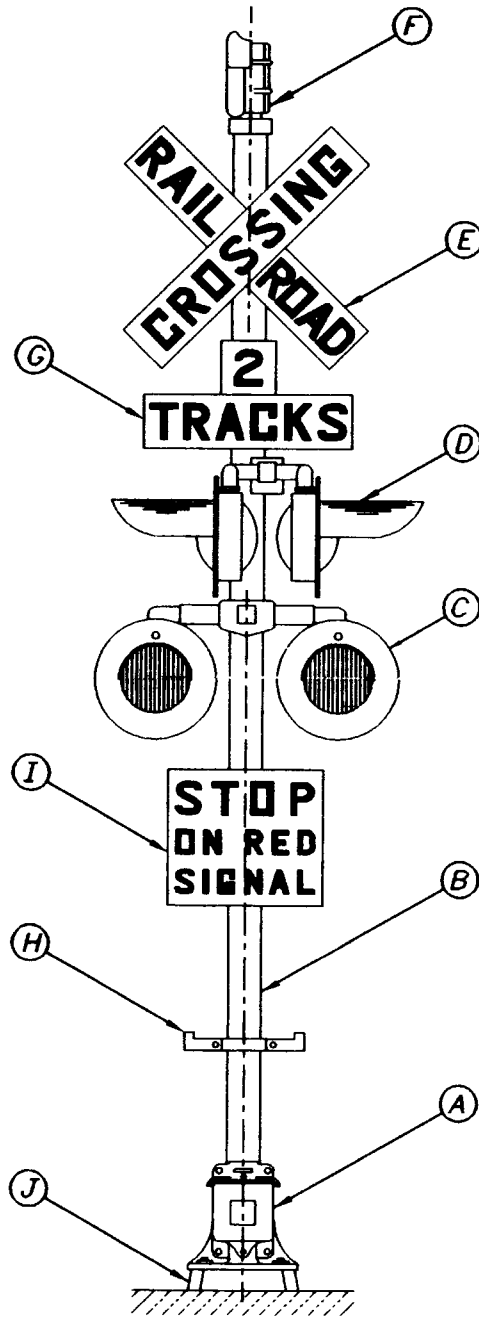
This Page Left Blank Intentionally.



Model A479 Flashing Light Crossing Signal Check List

Ref.	Item	Description	Qty.
A	Base	Split _____ Junction Box _____ 9 -1/2" X 9 -1/2" _____ 11- 11/16" X 11 -11/16" _____	___
B	Mast	Diameter: 4" _____ 5" _____	___
C	Main Lights	1 Way _____ 2 Way _____ 8-3/8" _____ 12" _____ Lamp: _____ Volt, _____ Watt Lens Deflection - Front : _____°H, _____°V - Back : _____°H, _____°V	___
D	Side Lights	1 Way _____ 2 Way _____ 8-3/8" _____ 12" _____ Lamp: _____ Volt, _____ Watt Lens Deflection - Right: _____°H, _____°V - Left: _____°H, _____°V Direction Of Extra Lights _____°R, _____°L	___
E	Crossing Sign	Reflective Sheeting Engineering Grade _____, High Intensity _____	___
F	Bell Or Pinnacle	Bell: Mechanical _____, _____ Volt AC _____, DC _____ Electronic _____, 12 Volt: AC/ DC Pinnacle _____	___
G	Track Sign	Number Of Tracks _____ Reflective Sheeting Engineering Grade _____, High Intensity _____	___
H	Pole Step	Steel _____	___
I	Stop On Red Signal Sign	Reflective Sheeting Engineering Grade _____, High Intensity _____	___
J	Foundation	48" Galvanized Steel	___

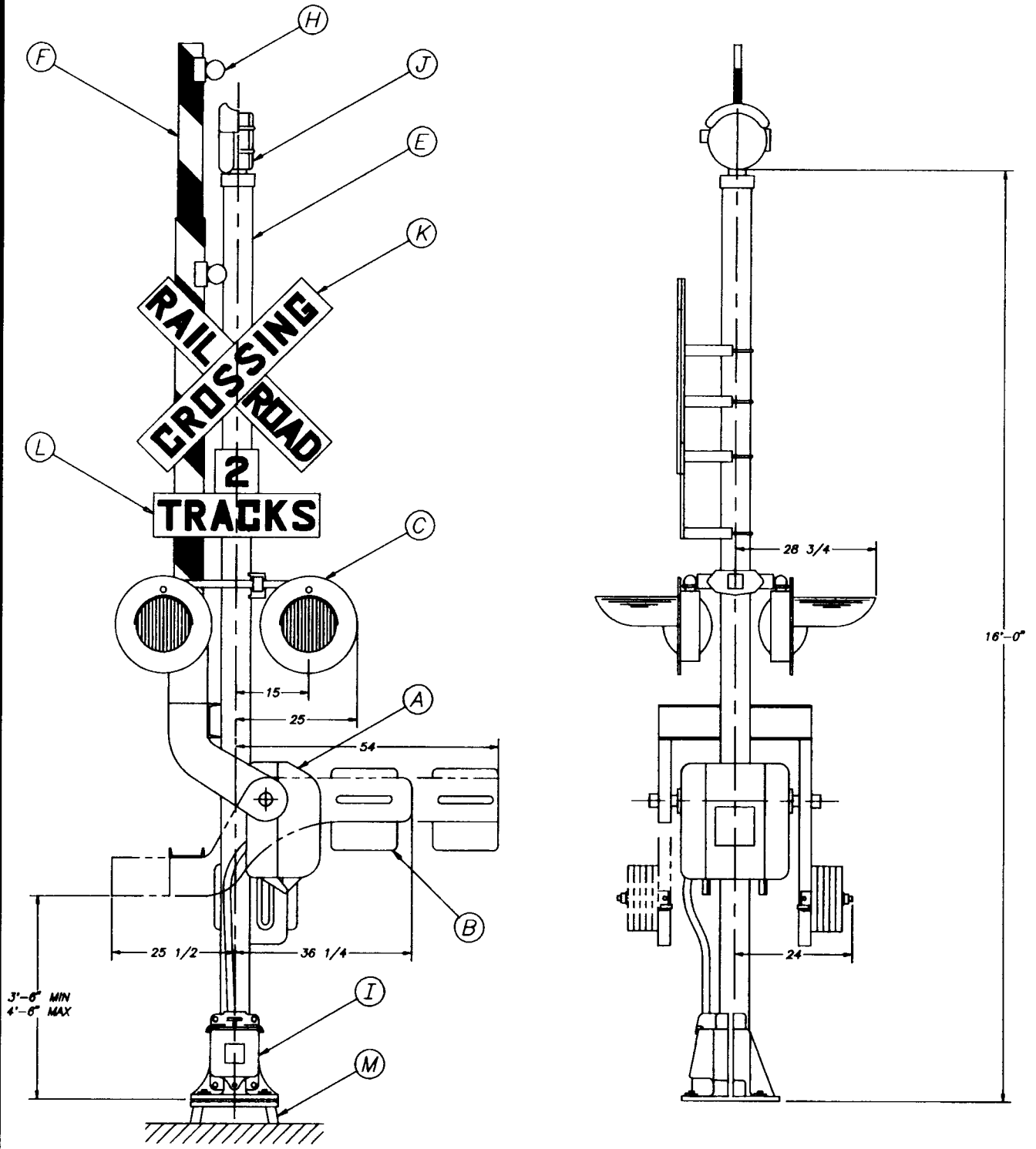
Model A479 Flashing Light Crossing Signal



Model 10 Gate Crossing Signal Check List

Ref.	Item	Description	Qty.
A	Gate Mechanism	Part Number _____ Refer To Table On Page 1-43.	—
B	Counterweight Assembly	Arms: Aluminum _____ Cast Iron _____ Weights: Square _____ Oblong _____	—
C	Main Lights	1 Way _____ 2 Way _____ 8-3/8" _____ 12" _____ Lamp: _____ Volt, _____ Watt Lens Deflection - Front: _____°H, _____°V - Back: _____°H, _____°V	—
D	Side Lights (Not Shown)	1 Way _____ 2 Way _____ 8-3/8" _____ 12" _____ Lamp: _____ Volt, _____ Watt Lens Deflection - Front: _____°H, _____°V - Back: _____°H, _____°V	—
E	Mast	Length: _____ Ft. (16 Ft. Standard) Direction of Side Lights _____°R, _____°L High Wind Bracket (Not Shown) _____	—
F	Gate Arm	Length: _____ Ft. Type: Wood _____, FG _____, AL/FG _____ Reflective Sheeting: Engineering Grade _____ High Intensity _____	—
G	Sidewalk Arm (Not Shown)	Length: _____ Ft. Reflective Sheeting: Engineering Grade _____ High Intensity _____	—
H	Gate Lights	4" _____ , 7" _____	—
I	Base	Single Junction Box ___, Double Junction Box __	—
J	Bell or Pinnacle	Bell _____: _____ Volt, AC _____, DC _____ Pinnacle _____	—
K	Crossing Sign	Reflective Sheeting: Engineering Grade _____ High Intensity _____	—
L	Track Sign	Number of Tracks _____ Reflective Sheeting: Engineering Grade _____ High Intensity _____	—
M	Foundation	Galvanized Steel - 48"	—
N	Stop On Red Signal Sign (Not Shown)	Reflective Sheeting: Engineering Grade _____ High Intensity _____	—

Model 10 Gate Crossing Signal



WESTERN-CULLEN-HAYES, INC.

2700 W. 36TH PLACE
 (773) 254-9600

CHICAGO, IL. 60632
 FAX (773) 254-1110