

INSTALLATION INSTRUCTIONS FOR MANUALLY OPERATED PATRIARC MODELS 500 AND 500-R

1. Lay the track sections on the floor with the arrow, number and color dot markings facing up. If the track system requires splicing, splice the track sections together by aligning the corresponding numbers on the track sections. To create the center overlap, align the arrow stickers of the track sections making sure that they are pointing towards each other and attach the lap clamps with the hardware provided.
2. The live-end and dead-end pulleys can be attached to either end of the track, but the live-end side must always be attached to the forward track section.
3. Install the hanging clamps to the top of the track. Note that the maximum separation for the hanging clamps is 5 feet. Install extra hanging clamps in the stack areas, curved areas, and at the ends of the track. The open side of the hanging clamp must face the side of the track which is traversed by the extension arm of the master carrier.
4. Attach the cable guides to the top of the track with the clamps and hardware provided. Match the color coded arrows with the color stickers of the guides. Do not tighten down the nylon rollers on the cable guides. Guide spacing is marked at the factory. These marks should be followed as closely as possible. If, because of hanging clamp locations, the cable guides can not be located as indicated by the arrows, they may be moved slightly to either side of the indicated location. If they are moved, be sure to keep the spacing between cable guides the same as the arrows would indicate. Do not exceed this spacing. Additional cable guides are provided for this purpose, should you need them. The guide spacing in a curve, should be symmetrical.
5. Install the single and master carriers at the open ends of the track at the center overlap, master carriers last. **Be sure to insert the master carrier so that the extension arm, with the cord connector, is on the same side of the track as the open side of the hanging clamps.**
6. Thread the operating cord over the wheel of the live-end pulley which is in line with the center of the track. Feed the cord between the cable guide rollers to the center overlap. At the center overlap, begin feeding the cord between two outboard cable guide rollers to the dead end pulley. Note that the master carrier has a two piece cable clamp which can be attached to the cable later. Do not cut the cord at the master carriers!
7. Feed the cord around the dead end pulley and back towards the center overlap between the center guides. At the overlap, feed the cord through the outboard guide rollers back to the second master carrier. Attach the end of the cord to the cable clamp located on the arm of the master carrier
8. Take the other end of the operating cord, feed it through the floor pulley and up over the other wheel of the live-end pulley. Continue cording through the cable guides of the track until you reach the master carrier with the first end of the cord already attached. Loosely attach the cord.

9. Raise the track up and secure it in place to the overhead structure. Be sure to use appropriate hardware for attaching the track system to the overhead structure. Attach the floor pulley to the floor making sure that it remains aligned with the live-end pulley attached to the track.
10. Move the master carriers to the center overlap making sure that the carriers overlap equally. Disassemble the two piece cable clamp of the master carrier without the cord already attached. Place the operating cord so that the recessed portion of the clamp is directly over the cable. Making certain that the cable is straight, or in line with the recess in the cable clamp, securely tighten the two screws which hold the outer or smaller part of the clamp to the arm of the master carrier. Do not tighten the set screws on the master unless the master carrier is in its proper position.
11. Before operating the track, make certain that the cord is in its proper location between all of the cable guides and not under any of the parts which protrude from the track or on the wrong (non-open) side of the hanging clamps.
13. Carefully and slowly, operate the track system with the operating cord. If a master carrier should happen to strike a cable guide, loosen the hex nuts which clamp the brackets to the track and move this bracket until the master carrier clears it.
14. If the track operates properly, the Allen set screws on the master carriers can be fully tightened.

IMPORTANT NOTES

The span between track supports should never exceed 5 feet. Additional supports should be placed on the curves, splices and the stacking areas.

When the operating cord is threaded through the track, make certain that the cord runs between the cable guides and that it does not run underneath, or on the wrong side of the hanging clamps.

Carrier spacing should never exceed 12 inches.

Minimum curve radius for 5000 series track is 2 feet.

All curved suspended tracks should be additionally supported by 1-1/4" ID stiffening pipe, or the equivalent.

Make certain that the live-end and dead-end pulleys are attached to the overhead structure.

On the curves, make absolutely certain that the cable guides are placed close enough to the hanging clamps so that they will prevent the cable from rubbing the bracket of the

hanging clamps.

When the installation has been completed and is in operation, the curtain should move back and forth without causing any noticeable track deflection.

On tight reverse curved track systems, it may be desirable to link carriers together with chain or cable to facilitate curtain around curves.

When linking carriers together, be sure to allow some fullness in the top of the curtain. If the curtain grommets are spaced 12 inches on center, then the carriers should be linked together on 10 inch centers. Be sure to take this into account when fabricating the curtain so that the curtain will properly cover the opening or screen.

IF THE INSTALLER SHOULD FAIL TO ABIDE BY THESE INSTRUCTIONS, SERIOUS PROBLEMS AND EQUIPMENT DAMAGE MAY OCCUR. THE FACTORY CAN NOT BE HELD RESPONSIBLE FOR ANY DAMAGES WHICH ARISE BECAUSE THE INSTRUCTIONS WERE NOT COMPLIED WITH IN EVERY DETAIL.

INSTALLATION INSTRUCTIONS FOR MOTORIZED PATRIARC MODELS 500 AND 500-R

1. Lay the track sections on the floor with the arrow, number and color dot markings facing up. If the track system requires splicing, splice the track sections together by aligning the corresponding numbers on the track sections. To create the center overlap, align the arrow stickers of the track sections making sure that they are pointing towards each other and attach the lap clamps with the hardware provided.
2. The live-end and dead-end pulleys can be attached to either end of the track, but the live-end side must always be attached to the forward track section.
3. Install the hanging clamps to the top of the track. Note that the maximum separation for the hanging clamps is 5 feet. Install extra hanging clamps in the stack areas, curved areas, and at the ends of the track. The open side of the hanging clamp must face the side of the track which is traversed by the extension arm of the master carrier.
4. Attach the cable guides to the top of the track with the clamps and hardware provided. Match the color coded arrows with the color stickers of the guides. Do not tighten down the nylon rollers on the cable guides. Guide spacing is marked at the factory. These marks should be followed as closely as possible. If, because of hanging clamp locations, the cable guides can not be located as indicated by the arrows, they may be moved slightly to either side of the indicated location. If they are moved, be sure to keep the spacing between cable guides the same as the arrows would indicate. Do not exceed this spacing. Additional cable guides are provided for this purpose, should you need them. The guide spacing in a curve, should be symmetrical.
5. Install the single and master carriers at the open ends of the track at the center overlap, master carriers last. **Be sure to insert the master carrier so that the extension arm, with the cable connector, is on the same side of the track as the open side of the hanging clamps.**
6. Thread the operating cable over the wheel of the live-end pulley which is in line with the center of the track. Feed the cable between the cable guide rollers to the center overlap. At the center overlap, begin feeding the cable between two outboard cable guide rollers to the dead end pulley. Note that the master carrier has a two piece cable clamp which can be attached to the cable later. Do not cut the cable at the master carriers!
7. Feed the cable around the dead end pulley and back towards the center overlap between the center guides. At the overlap, feed the cable through the outboard guide rollers back to the live-end pulley of the track. Thread the cable over the remaining wheel of the live-end pulley and down to the floor. Coil a few feet of cable on the floor.
8. Raise the track up and secure it in place to the overhead structure. Be sure to use appropriate hardware for attaching the track system to the overhead structure. Refer to

ADC Form 745 for instructions on attaching the cable to a grooved drum machine.

9. Move the master carriers to the center overlap making sure that the carriers overlap equally. Disassemble the two piece cable clamps of the master carriers. Place the operating cable so that the recessed portion of the clamp is directly over the cable. Making certain that the cable is straight, or in line with the recess in the cable clamp, securely tighten the two screws which hold the outer or smaller part of the clamp to the arm of the master carrier. Do not tighten the set screws on the master unless the master carrier is in its proper position.
10. Before operating the track, make certain that the cable is in its proper location between all of the cable guides and not under any of the parts which protrude from the track or on the wrong (non-open) side of the hanging clamps.
11. Carefully and slowly, operate the track system MANUALLY with the hand crank of the machine. If a master carrier should happen to strike a cable guide, loosen the hex nuts which clamp the brackets to the track and move this bracket until the master carrier clears it.
12. If the track operates properly, the Allen set screws on the master carriers can be fully tightened and the drum of the machine can be engaged.

DO NOT MACHINE UNTIL THE LIMIT SWITCHES HAVE BEEN SET.

IMPORTANT NOTES

The span between track supports should never exceed 5 feet. Additional supports should be placed on the curves, splices and the stacking areas.

When the operating cable is threaded through the track, make certain that the cable runs between the cable guides and that it does not run underneath, or on the wrong side of the hanging clamps.

Carrier spacing should never exceed 12 inches.

Minimum curve radius for 5000 series track is 2 feet.

All curved suspended tracks should be additionally supported by 1-1/4" ID stiffening pipe, or the equivalent.

Make certain that the live-end and dead-end pulleys are attached to the overhead structure.

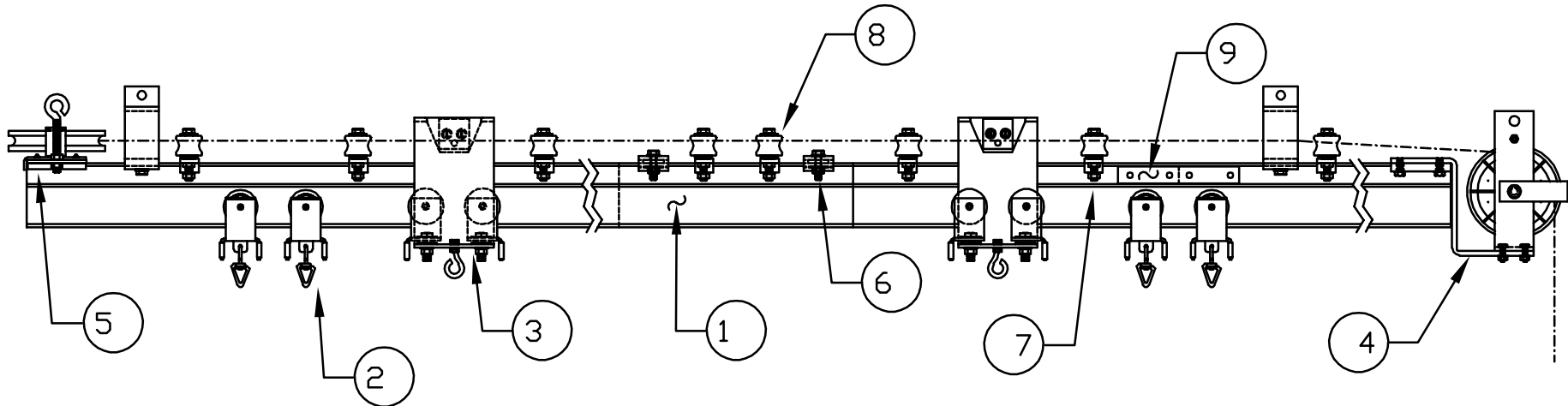
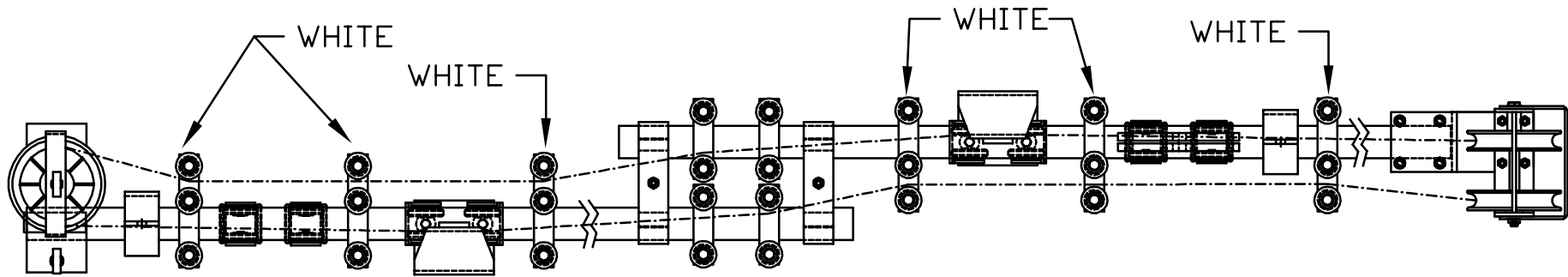
On the curves, make absolutely certain that the cable guides are placed close enough to the hanging clamps so that they will prevent the cable from rubbing the bracket of the hanging clamps.

When the installation has been completed and is in operation, the curtain should move back and forth without causing any noticeable track deflection.

On tight reverse curved track systems, it may be desirable to link carriers together with chain or cable to facilitate curtain around curves.

When linking carriers together, be sure to allow some fullness in the top of the curtain. If the curtain grommets are spaced 12 inches on center, then the carriers should be linked together on 10 inch centers. Be sure to take this into account when fabricating the curtain so that the curtain will properly cover the opening or screen.

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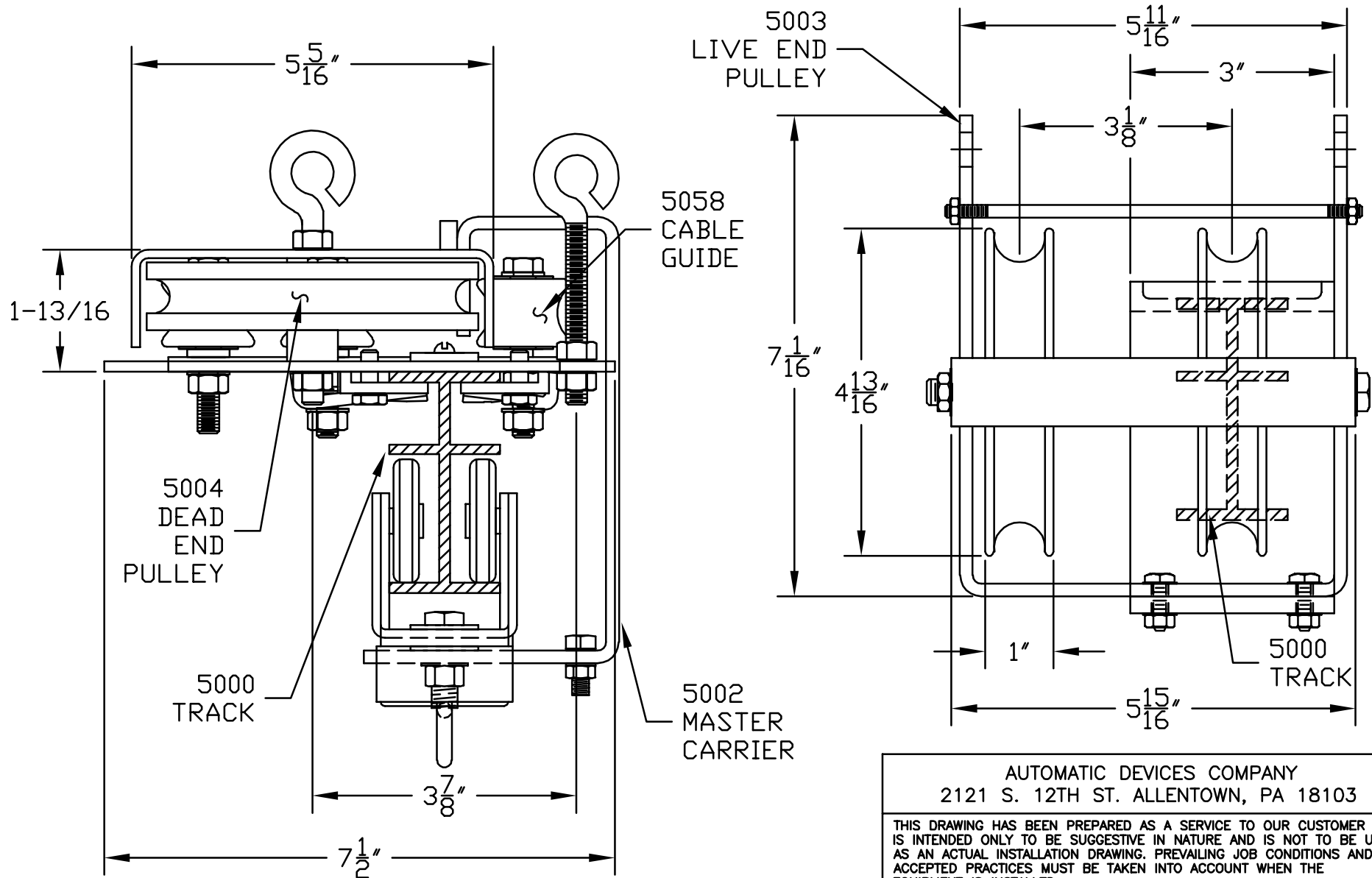


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|------------------------|---------------------|
| ① 5000 TRACK | ⑧ 5058A CABLE GUIDE |
| ② 5001 SINGLE CARRIER | ⑨ 5024 SPLICE CLAMP |
| ③ 5002 MASTER CARRIER | |
| ④ 5003 LIVE END PULLEY | |
| ⑤ 5004 DEAD END PULLEY | |
| ⑥ 5007 LAP CLAMP | |
| ⑦ 5058 CABLE GUIDE | |

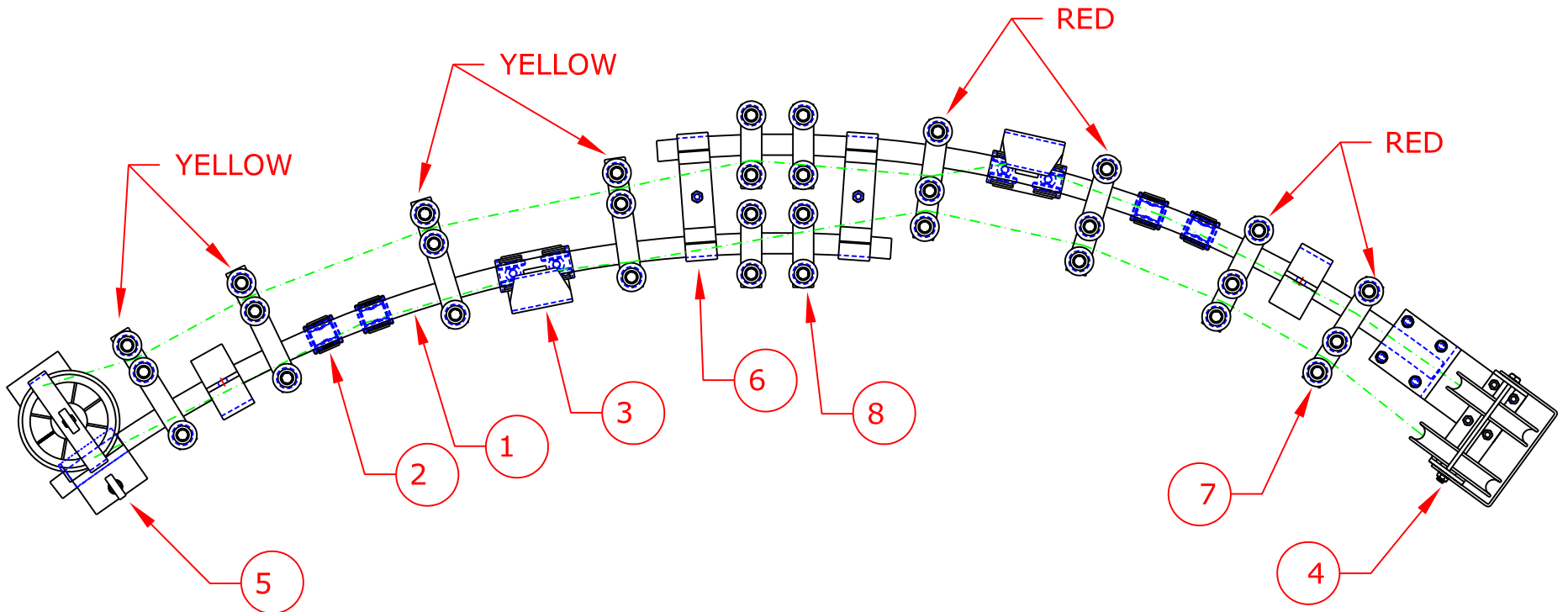
NOTE:
CABLE GUIDES MUST BE
INSTALLED ON TRACK AS
PER COLOR CODE SHOWN.

AUTOMATIC DEVICES COMPANY 2121 S. 12TH ST. ALLENTOWN, PA 18103			
THIS DRAWING HAS BEEN PREPARED AS A SERVICE TO OUR CUSTOMER AND IS INTENDED ONLY TO BE SUGGESTIVE IN NATURE AND IS NOT TO BE USED AS AN ACTUAL INSTALLATION DRAWING. PREVAILING JOB CONDITIONS AND ACCEPTED PRACTICES MUST BE TAKEN INTO ACCOUNT WHEN THE EQUIPMENT IS INSTALLED.			
SIZE	DATE	INSTALLATION INSTRUCTIONS	REV
A	06/02/98		
DRAWN BY	APPROVED BY	DESCRIPTION 500 TRACK ASSEMBLY-STRAIGHT	
GAR			
SCALE	N.T.S.	SHEET 1 OF 1	DWG NO. II-500ST-98

REV | DATE:



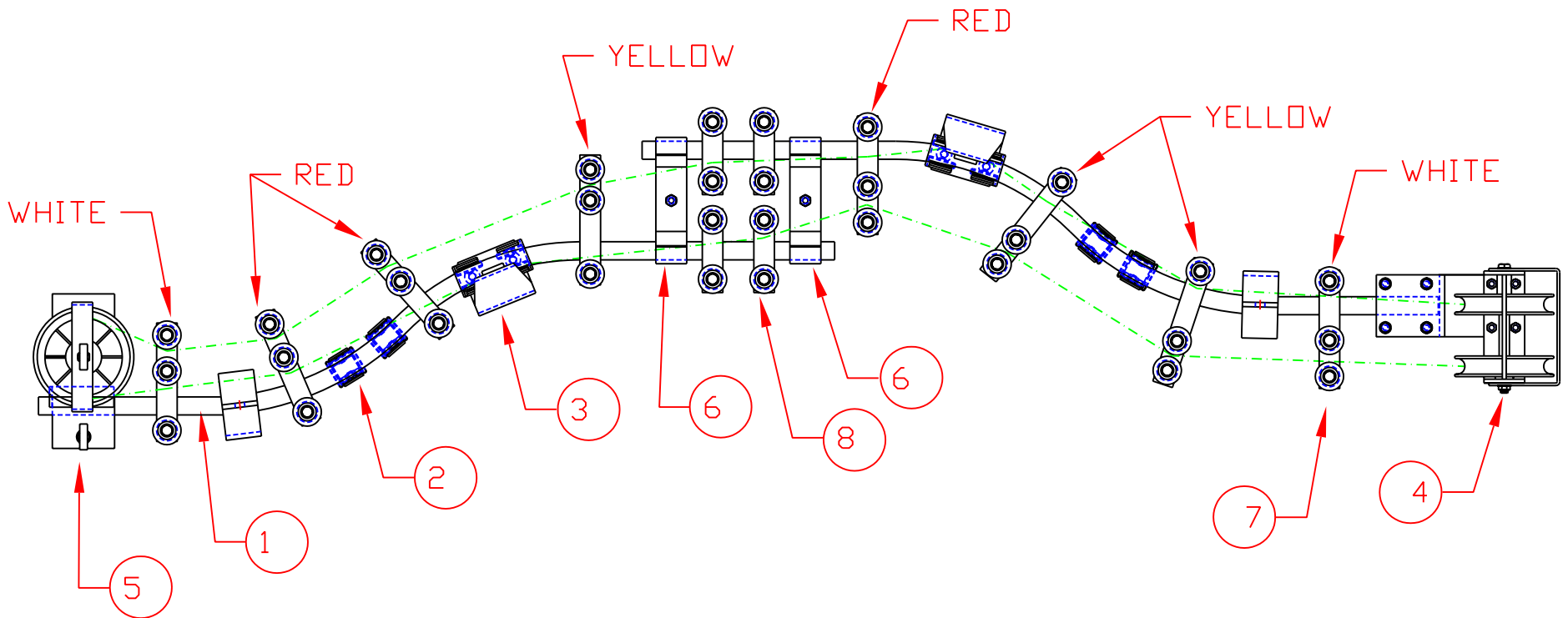
AUTOMATIC DEVICES COMPANY 2121 S. 12TH ST. ALLENTOWN, PA 18103			
THIS DRAWING HAS BEEN PREPARED AS A SERVICE TO OUR CUSTOMER AND IS INTENDED ONLY TO BE SUGGESTIVE IN NATURE AND IS NOT TO BE USED AS AN ACTUAL INSTALLATION DRAWING. PREVAILING JOB CONDITIONS AND ACCEPTED PRACTICES MUST BE TAKEN INTO ACCOUNT WHEN THE EQUIPMENT IS INSTALLED.			
SIZE	DATE	INSTALLATION INSTRUCTIONS	REV
A	07/24/98		
DRAWN BY	APPROVED BY	DESCRIPTION	
GAR		END VIEW OF TRACK ENDS	
SCALE 1/2"=1"	SHEET 1 OF 1	DWG NO. II-500SEC-98	



- 1 5000 TRACK
- 2 5001 SINGLE CARRIER
- 3 5002 MASTER CARRIER
- 4 5003 LIVE END PULLEY
- 5 5004 DEAD END PULLEY
- 6 5007 LAP CLAMP
- 7 5058 CABLE GUIDE
- 8 5058A CABLE GUIDE

NOTE:
 CABLE GUIDES MUST BE
 INSTALLED ON TRACK AS
 PER COLOR CODE SHOWN

AUTOMATIC DEVICES COMPANY 2121 S. 12TH ST. ALLENTOWN, PA 18103			
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SIZE	DATE	INSTALLATION INSTRUCTIONS	REV
A	06/08/98		
DRAWN BY	APPROVED BY	DESCRIPTION 500 TRACK ASSEMBLY-CONTINUOUS CURVE	
GAR			
SCALE	NTS	SHEET	DWG NO.
		1 OF 1	II-500CC-98



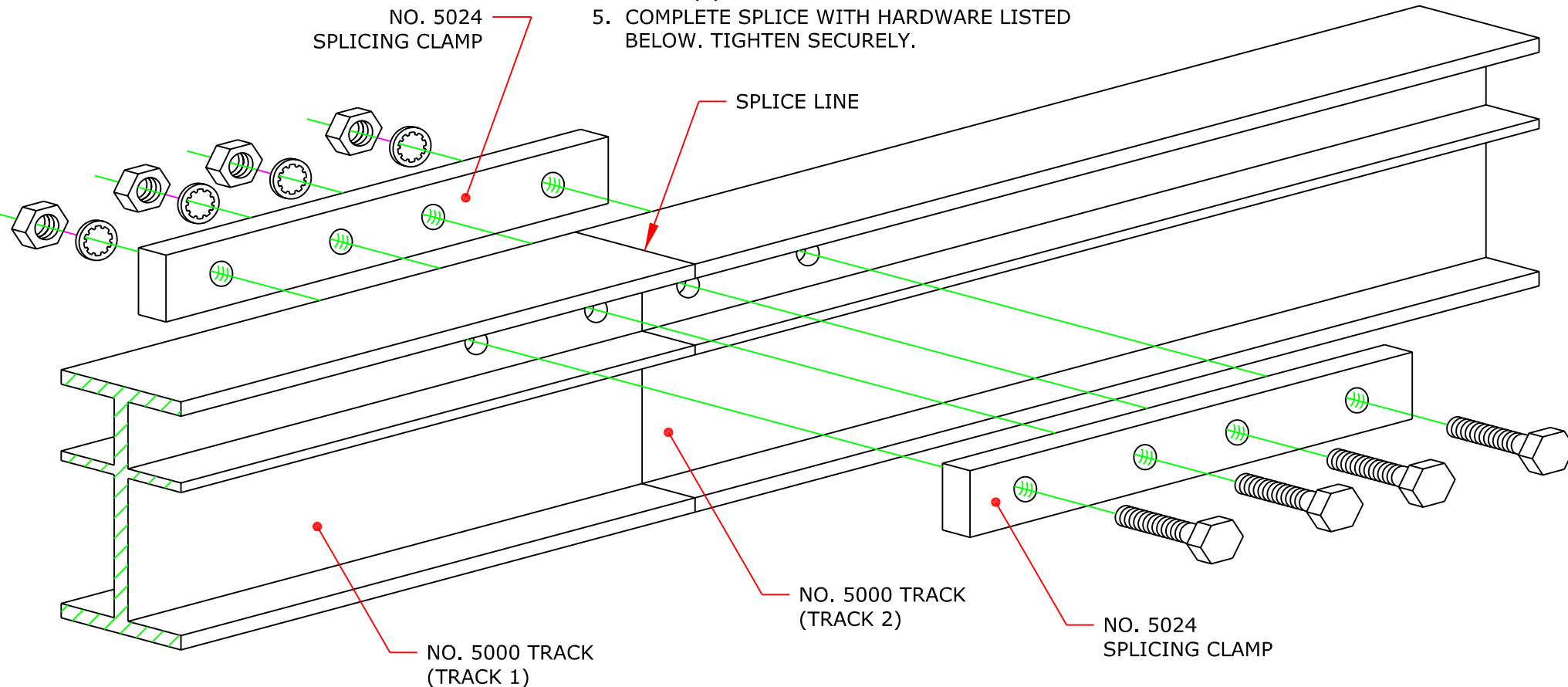
- ① 5000 TRACK
- ② 5001 SINGLE CARRIER
- ③ 5002 MASTER CARRIER
- ④ 5003 LIVE END PULLEY
- ⑤ 5004 DEAD END PULLEY
- ⑥ 5007 LAP CLAMP
- ⑦ 5058 CABLE GUIDE
- ⑧ 5058A CABLE GUIDE

NOTE:
 CABLE GUIDES MUST BE INSTALLED
 ON TRACK AS PER COLOR
 CODE SHOWN.

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SIZE	DATE	INSTALLATION INSTRUCTIONS	REV
A	06/08/98		
DRAWN BY	APPROVED BY	DESCRIPTION	
GAR		500 TRACK ASSEMBLY-REVERSE CURVE	
SCALE	N.T.S.	SHEET	1 OF 1
		DWG NO.	II-500RC-98

INSTRUCTIONS FOR PROPER SPLICING:

1. BUTT TRACK SECTIONS AGAINST EACH OTHER TIGHTLY.
2. CENTER ONE HALF OF SPLICE CLAMP OVER JOINT.
3. USING SPLICE CLAMP AS A TEMPLATE, MARK LOCATION OF HOLES.
4. DRILL (4) 21/64" DIA. HOLES FOR BOLTS.
5. COMPLETE SPLICE WITH HARDWARE LISTED BELOW. TIGHTEN SECURELY.

NOTES:

- 1 NO. 5024 SPLICING CLAMP CONSISTS OF:
 - (2) STEEL SPLICING BARS, 3/8" WIDE x 7/8" HIGH x 6" LONG.
 - (4) 5/16-18 HEX HEAD BOLTS, 1-1/4" LONG (Z-318).
 - (4) 5/16" STAR LOCKWASHERS (Z-510).
 - (4) 5/16" HEX NUTS (Z-207).
- 2 SPLICING CLAMP IS USED TO ENSURE PROPER ALIGNMENT OF THE TWO TRACK SECTIONS. IT IS NOT DESIGNED TO SUPPORT A LOAD.



AUTOMATIC DEVICES COMPANY
2121 S. 12TH ST. ALLENTOWN, PA 18103

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SIZE	DATE	SERIES
A	11/19/04	MODEL 500 PATRIARC CURTAIN TRACK
DRAWN BY	APPROVED BY	DESCRIPTION
JEK		NO. 5024 SPLICING CLAMP
SCALE	SHEET	DWG NO.
1/2=1	1 OF 1	II-5024-1-04