**VERS-UTIL Model 114 Curtain Tracks** - Curtain tracks (Model 1140) shall be of 16 gauge aluminum, consisting of two runways one above the other, entirely enclosed except for slots in top and bottom, and in one continuous piece except where splicing clamps are required. Curtain carriers (Model 1131) shall be spaced on 6 inch centers and shall be composed of non-wheel-binding blocks supporting two polyethylene wheels rolling on two parallel treads. Live end (Model 1143) and Dead-end (Model 1144) pulleys shall be equipped with nylon ball-bearing wheels. A tension floor pulley (Model 1135) shall be furnished for hand-operated tracks. Stretch-resistant operating cord (Model 2160 for hand operated track systems and Model 1152 for motorized track systems) shall have synthetic or wire center and shall be of 3/16" or 1/8" diameter, extra quality yarn. Operating cord shall be concealed within the track.
Model 114 as manufactured by Automatic Devices Company of Allentown, PA.

# Installation Instructions for Manually Operated VERS-UTIL Model 114 Track

1. Lay the track channel (1140) on the floor. If multiple sections of track must be connected with the splice clamps (1154), it can be done so at this time. The track should have been pre-drilled at the factory to accommodate the splices.

2. Equally divide the single (1131) and master (1142) carriers for each half of the track. Insert the carriers into each end of the track, master carriers first followed by the single carriers. The master carriers should meet at the middle of the track layout.

3. Attach the live-end (1143) and dead-end (1144) pulleys onto their respective track ends. The live-end pulley attaches to the end of the track from which the curtain will be operated.

4. Attach the combination hanging-ceiling clamps (1148) to the track channel. Holes have been pre-drilled for the clamps at two-foot intervals along the entire length of the track. Use two clamps, one on either side of the track in the holes nearest the live-end pulley. The clamps should be mounted so they do not impede the travel of the master carriers. If they do, switch the clamps to the other side of the track.

5. Thread one end of the operating cord through the floor pullet sheave, tehn up and through one of the sheaves of the live-end pulley. Continue along the upper slot of the track to the first master carrier. Run the cord up through the first hole in the top of the master carrier. Slide the two square cable clamps (C098) included with the master carrier <u>very loosely</u> over the end of the cord.

   Run the cord back down into the second hole in the master carrier and continue along the track slot to the dead-end pulley. Thread the cord around the dead end and back along the track slot to the second master carrier. Run the cord up through the hole in the master carrier and secure it there with a square cord clamp.

   Go back to the floor pulley, where the other end of the cord should still be coiled. Run that end up through the other sheave of the live-end pulley. Route the cord through the track's top slot until you reach the master carrier that has the other end of the cord. Run the cord up through the master carrier's hole and secure it with the last cable clamp.

6. Raise the assembled track system up its mounting surface and secure its hang points with appropriate hardware.

7. Mount the floor pulley to the floor, directly under the live-end pulley.

8. Remove the cord slack from the system at the master carrier with cord's terminal ends. Cut away the excess cord. Tighten the cord clamps at that master carrier and finally at the other master carrier.



See also Drawing: II-114BI-1-04

# Installation Instructions for Motorized VERS-UTIL Model 114 Track

1. Lay the track channel (1140) on the floor. If multiple sections of track must be connected with the splice clamps (1154), it can be done so at this time. The track should have been pre-drilled at the factory to accommodate the splices.

2. Equally divide the single (1131) and master (1142) carriers for each half of the track. Insert the carriers into each end of the track, master carriers first followed by the single carriers. The master carriers should meet at the middle of the track layout.

3. Attach the live-end (1143) and dead-end (1144) pulleys onto their respective ends of the track. The live-end pulley attaches to the end of the track under which the curtain machine will be positioned.

4. Attach the combination hanging-ceiling clamps (1148) to the track channel. Holes have been pre-drilled for the clamps at two-foot intervals along the entire length of the track. Use two (2) clamps, one on either side of the track in the holes nearest the live-end pulley. The clamps should be mounted so they do not impede the travel of the master carriers. If they do, switch the clamps to the other side of the track channel.

5. Under normal circumstances, the curtain machine should be positioned directly below the live-end pulley. Thread one end of the operating cable up and through the front sheave of the live-end pulley. Continue along the upper slot of the track to the first master carrier. Run the cable up through the first hole in the top of the master carrier. Slide the two square cable clamps (C098) included with the master carrier very loosely over the end of the cable.

   Run the cable back down into the second hole in the master carrier and continue along the track slot to the dead-end pulley. Thread the cable around the dead end and back through the track slot to the second master carrier. Run the cable up through the first hole in the top of the master carrier. Slide two more square cable clamps (C098) very loosely over the end of the cord, just as you did on the first master carrier.

   Run the cable back down into the second hole in the second master carrier and continue through the track slot back to the live-end pulley. Fed the cable through the other sheave in the live-end pulley.

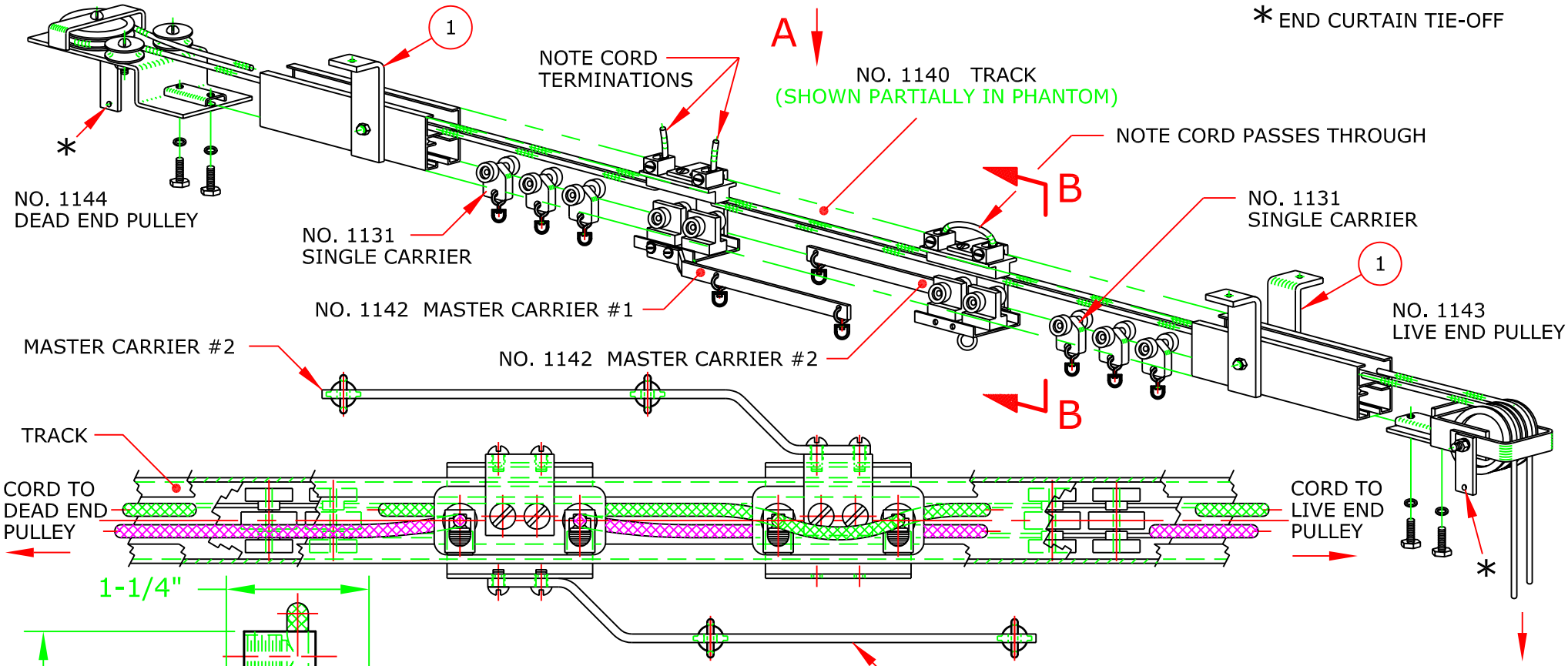
6. Raise the assembled track system up its mounting surface and secure its hang points with appropriate hardware. Make sure a generous amount of cable is hanging down from each sheave of the live-end pulley.

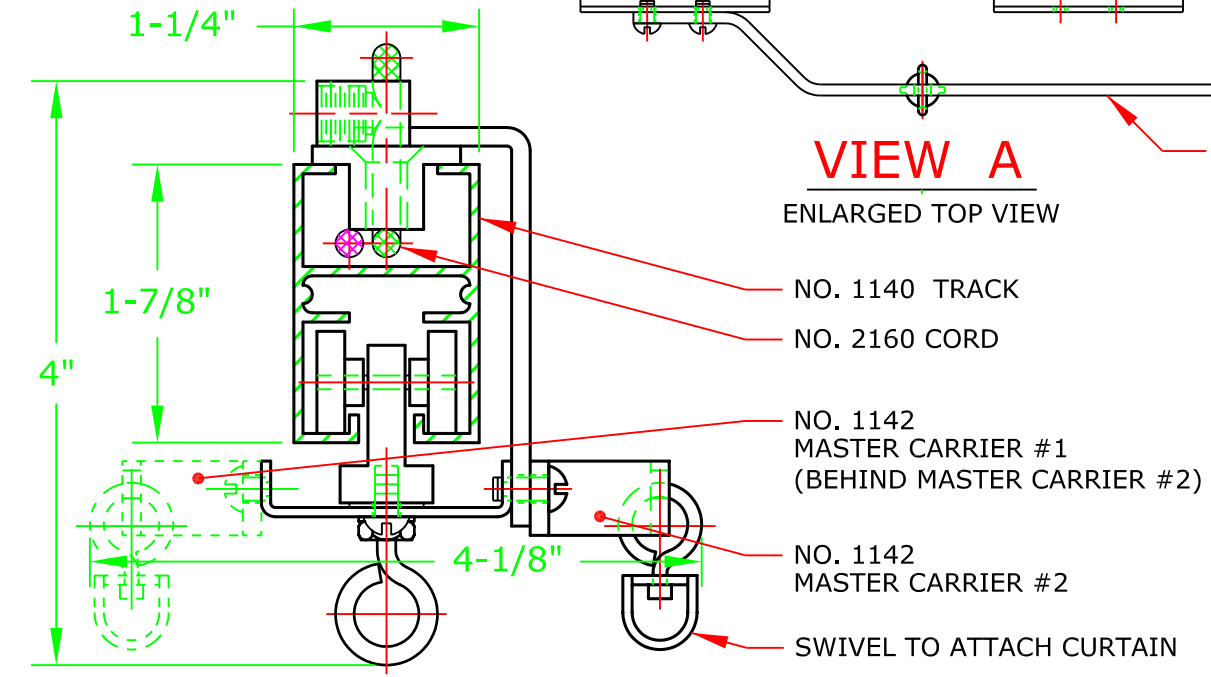
7. Refer to **ADC Form 745** for instructions on how to wrap the cable onto the machine's groove drum.



See also Drawing: II-114BI-1-04

| REV. | | DATE: | DO NOT USE FOR MACHINE OPERATED TRACKS | FORM NO.: 114BPHOS |
|---|---|---|---|---|




## VIEW A

ENLARGED TOP VIEW

## SECTION B-B

SCALE: 3/4"=1"

NOTES:

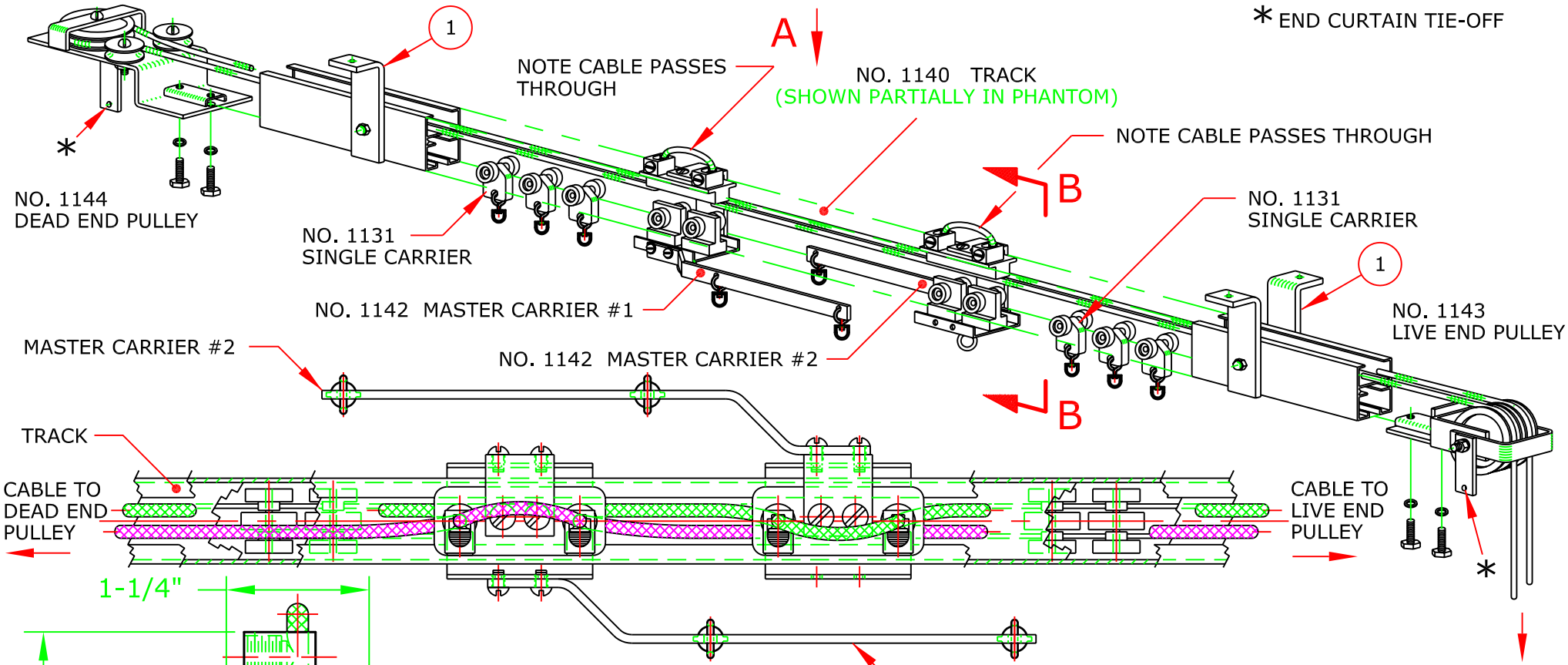
1. TRACK SYSTEM MUST BE MOUNTED DIRECTLY TO AN OVERHEAD STRUCTURE.

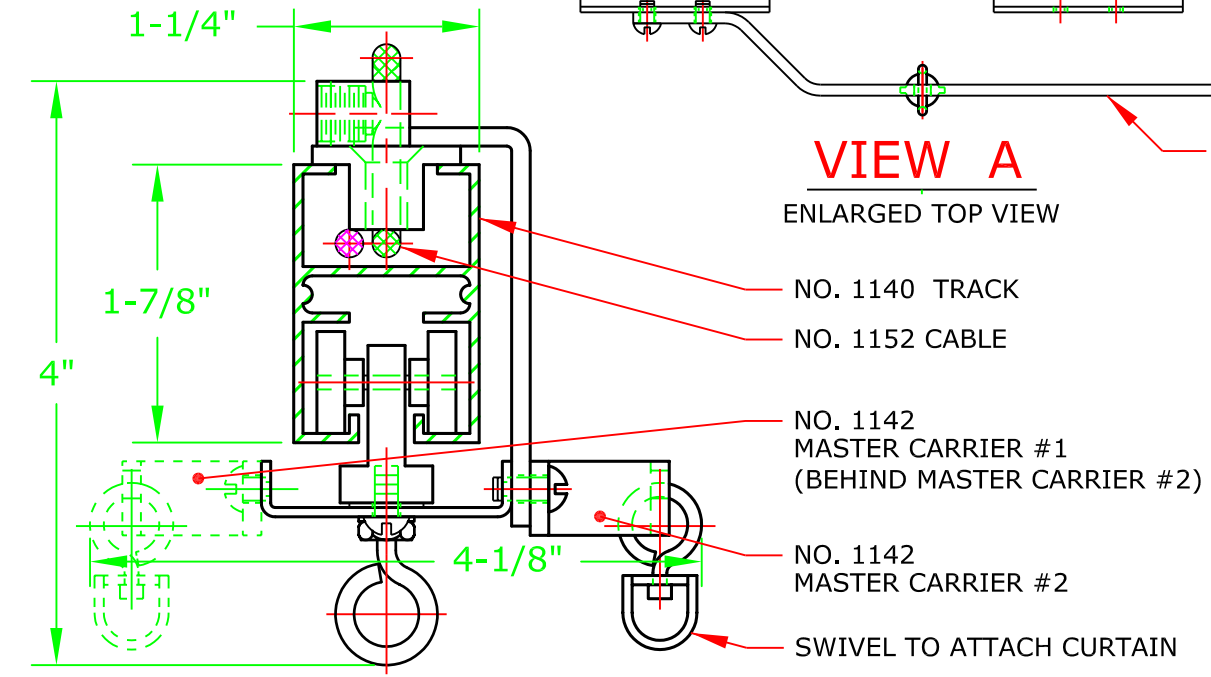

AUTOMATIC DEVICES COMPANY
2121 S. 12TH ST. ALLENTOWN, PA 18103




| SIZE | DATE | SERIES |
|---|---|---|
| A | 5/24/04 | MODEL 114 VERS-UTIL CURTAIN TRACK |
| DRAWN BY | APPROVED BY | DESCRIPTION |
| JEK | | INSTALLATION DRAWING BI-PART OPERATION (MANUAL) |
| SCALE 3/16=1 | SHEET 1 OF 1 | DWG NO. II-114HOBI-1-04 |

| REV. | | DATE: | | FORM NO.: 114BPMS |
|---|---|---|---|---|




## VIEW A

ENLARGED TOP VIEW

## SECTION B-B

SCALE: 3/4"=1"

NOTES:

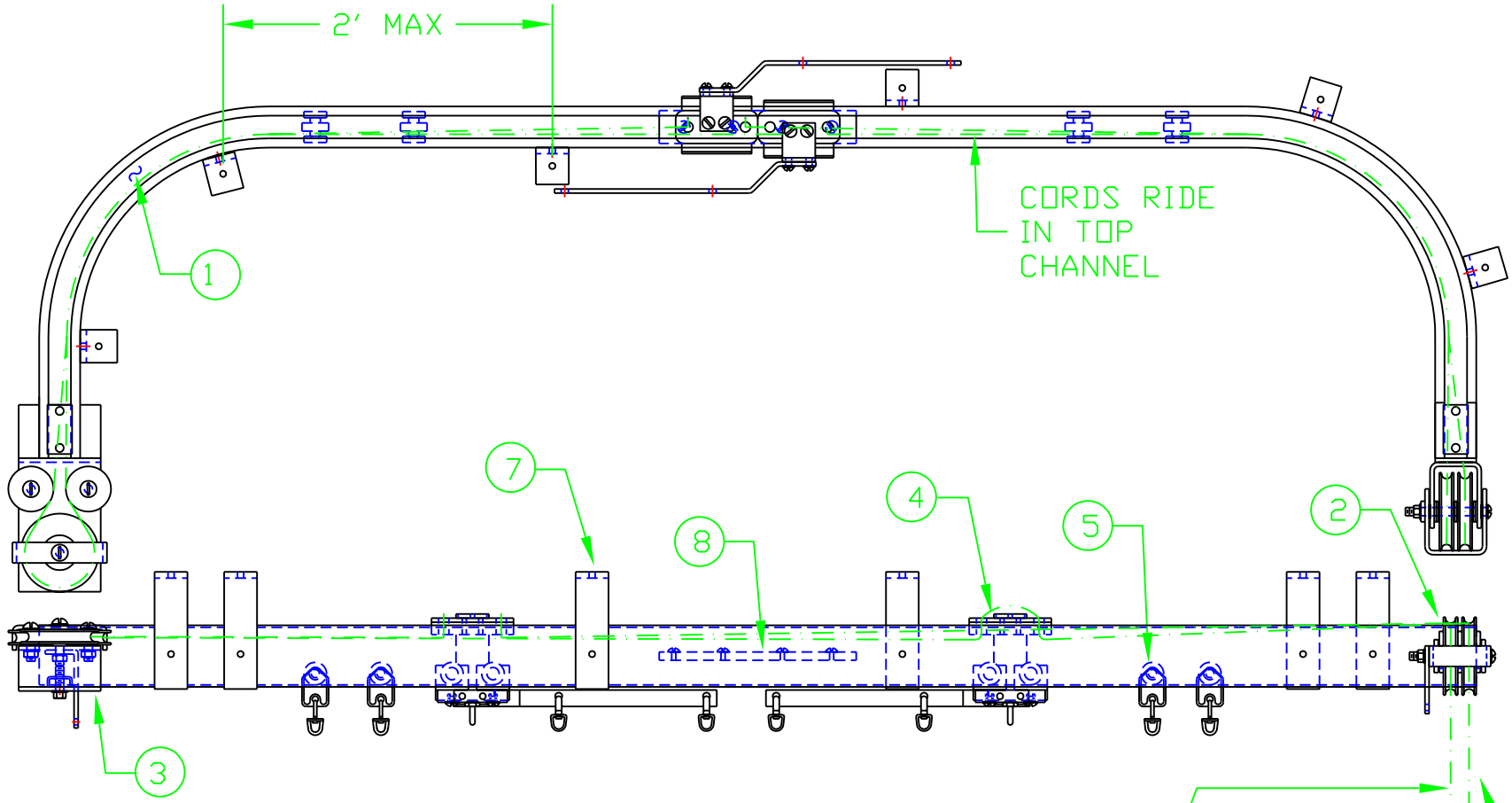
1. TRACK SYSTEM MUST BE MOUNTED DIRECTLY TO AN OVERHEAD STRUCTURE.


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




| SIZE | DATE | SERIES |
|---|---|---|
| A | 5/24/04 | MODEL 114 VERS-UTIL CURTAIN TRACK |
| DRAWN BY | APPROVED BY | DESCRIPTION |
| JEK | | INSTALLATION DRAWING BI-PART OPERATION (MACHINE) |
| SCALE 3/16=1 | SHEET 1 OF 1 | DWG NO. II-114MBI-1-04 |

| REV | | DATE: |
|---|---|---|




1 - 1140 TRACK

2 - 1143 LIVE END PULLEY

3 - 1144 DEAD END PULLEY

4 - 1142 MASTER CARRIER

5 - 1131 SINGLE CARRIER

6 - 2160 CORD (1152 CABLE)

7 - 1148 MOUNTING CLAMP

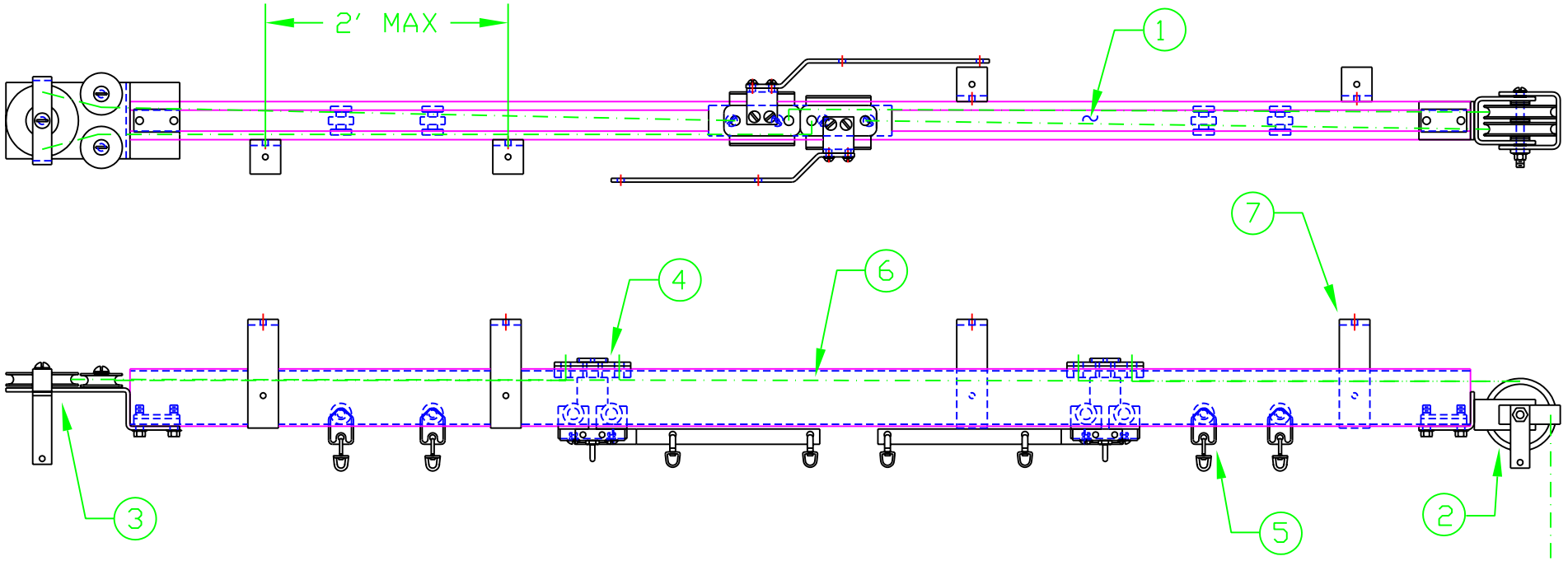
8 - 1154 SPLICING PLATE (IF NEEDED)

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



| SIZE | DATE | | REV |
|---|---|---|---|
| A | 07/30/98 | INSTALLATION INSTRUCTIONS | |
| DRAWN BY: GAR | APPROVED BY: | DESCRIPTION: 114 TRACK ASSEMBLY - CURVED | |
| SCALE: NTS | SHEET: 1 OF 1 | DWG NO.: II-114C-98 | |

| REV | DATE: |
|---|---|




1 - 1140 TRACK

2 - 1143 LIVE END PULLEY

3 - 1144 DEAD END PULLEY

4 - 1142 MASTER CARRIER

5 - 1131 SINGLE CARRIER

6 - 2160 CORD (1152 CABLE)

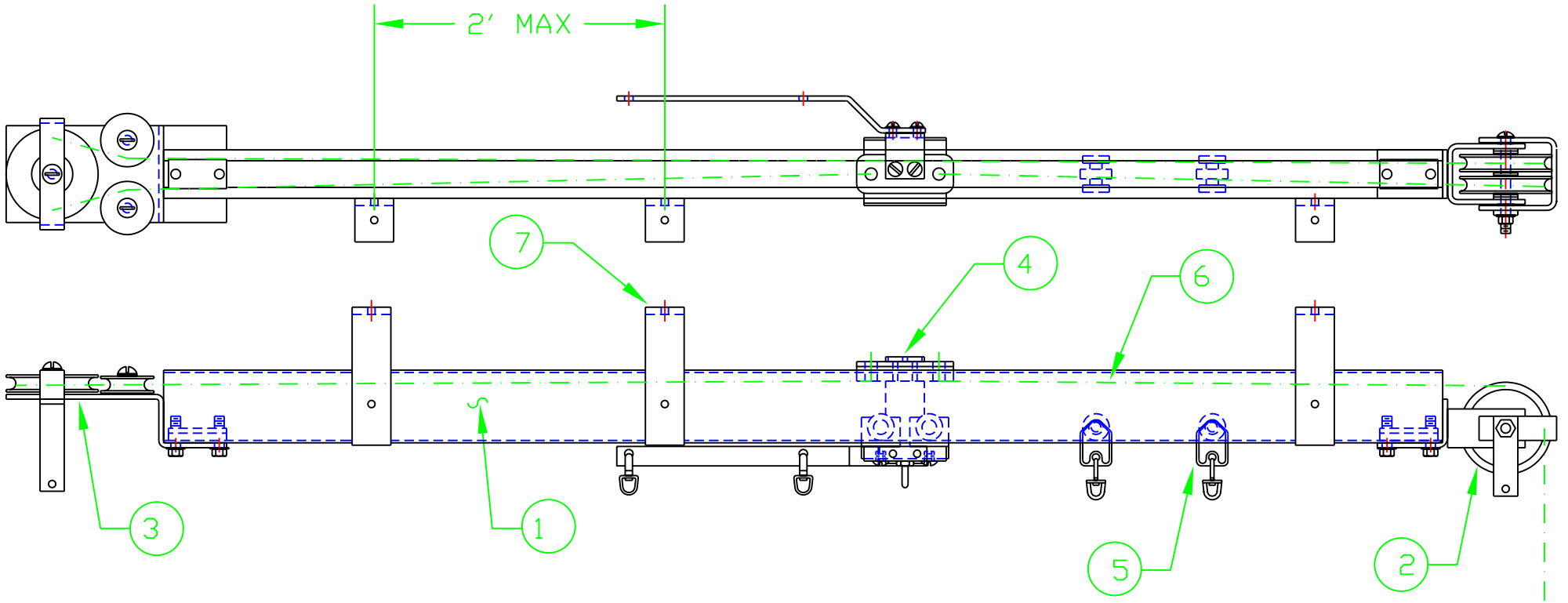
7 - 1148 MOUNTING CLAMP

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



| SIZE | DATE | | REV |
|---|---|---|---|
| A | 07/29/98 | INSTALLATION INSTRUCTIONS | |
| DRAWN BY: GAR | APPROVED BY: | DESCRIPTION: 114 TRACK ASSEMBLY-BY-PART-STRAIGHT | |
| SCALE: NTS | SHEET: 1 OF 1 | DWG NO.: II-114ST-98 | |

| REV | | DATE: |
|---|---|---|




1 - 1140 TRACK

2 - 1143 LIVE END PULLEY

3 - 1144 DEAD END PULLEY

4 - 1142 MASTER CARRIER

5 - 1131 SINGLE CARRIER

6 - 2160 CORD (1152 CABLE)

7 - 1148 MOUNTING CLAMP

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



| SIZE | DATE | | REV |
|---|---|---|---|
| A | 07/28/98 | INSTALLATION INSTRUCTIONS | |
| DRAWN BY: GAR | APPROVED BY: | DESCRIPTION: 114 TRACK ASSEMBLY-STRAIGHT | |
| SCALE: NTS | SHEET: 1 OF 1 | DWG NO.: II-114ST-98 | |