

BESTEEL Model 170 Curtain Tracks - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1701) shall be spaced on 12" centers and shall be of plated steel construction with two polyethylene wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Live-end (Model 1703) and Dead-end (Model 1704) pulley blocks shall be adjustable and shall be equipped with 1-13/16" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two end stops (Model 1709) for placement at each track end and a tension floor pulley (Model 2865) for increasing cord tension. Stretch-resistant operating cord (Model 1728), for hand operated track systems, shall have synthetic center and shall be of 1/4" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529). Model 170 as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 171-N Curtain Tracks - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1737) shall be spaced on 12" centers and shall be of plated steel construction with two nylon-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Live-end (Model 1703) and Dead-end (Model 1704) pulley blocks shall be adjustable and shall be equipped with 1-13/16" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two end stops (Model 1709) for placement at each track end and a tension floor pulley (Model 2865) for increasing cord tension. Stretch-resistant operating cord (Model 1728), for hand operated track systems, shall have synthetic center and shall be of 1/4" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529). Model 171-N as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 171-R Curtain Tracks - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1749) shall be spaced on 12" centers and shall be of plated steel construction with two neoprene-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Live-end (Model 1703) and Dead-end (Model

1704) pulley blocks shall be adjustable and shall be equipped with 1-13/16" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two end stops (Model 1709) for placement at each track end and a tension floor pulley (Model 2865) for increasing cord tension. Stretch-resistant operating cord (Model 1728), for hand operated track systems, shall have synthetic center and shall be of 1/4" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529). Model 171-R as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 172 Curtain Tracks - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1701) shall be spaced on 12" centers and shall be of plated steel construction with two polyethylene wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Live-end (Model 2803-A) and Dead-end (Model 2804) pulley blocks shall be adjustable and shall be equipped with 3" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two end stops (Model 1709) for placement at each track end and a tension floor pulley (Model 2865) for increasing cord tension. Stretch-resistant operating cord (Model 1730), for hand operated track systems, shall have synthetic center and shall be of 5/16" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529). Model 172 as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 172R Curtain Tracks - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1749) shall be spaced on 12" centers and shall be of plated steel construction with two neoprene-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Live-end (Model 2803-A) and Dead-end (Model 2804) pulley blocks shall be adjustable and shall be equipped with 3" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two end stops (Model 1709) for placement at each track end and a tension floor pulley (Model 2865) for increasing cord tension. Stretch-resistant operating cord (Model 1730), for hand operated track systems, shall have synthetic center and shall be of 5/16" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529). Model 172 as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 173 Curtain Tracks (Walk along track system) - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1701) shall be spaced on 12" centers and shall be of plated steel construction with two polyethylene wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. The manufacturer shall furnish four end stops (Model 1709) for placement at each track end. This model track system is for walk-along operation only and does not include pulleys or other operating hardware.

Model 173 as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 173-N Curtain Tracks (Walk along track system) - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1737) shall be spaced on 12" centers and shall be of plated steel construction with two nylon-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. The manufacturer shall furnish four end stops (Model 1709) for placement at each track end. This model track system is for walk-along operation only and does not include pulleys or other operating hardware.

Model 173-N as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 173-R Curtain Tracks (Walk along track system) - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1749) shall be spaced on 12" centers and shall be of plated steel construction with two neoprene-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. The manufacturer shall furnish four end stops (Model 1709) for placement at each track end. This model track system is for walk-along operation only and does not include pulleys or other operating hardware.

Model 173-R as manufactured by Automatic Devices Company of Allentown, PA.

FENESTEEL Model 260 Curtain Tracks - Curtain tracks shall be of 14 gauge galvanized steel construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1701) shall be spaced on 12" centers and shall be of plated steel construction with two polyethylene wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel

treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Master carriers (Model 2602) shall include 8-1/2" steel overlapping arms to provide a 17" curtain overlap on a single section track system. Live-end (Model 1703) and Dead-end (Model 1704) pulley blocks shall be adjustable and shall be equipped with 1-13/16" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two end stops (Model 1709) for placement at each track end and a tension floor pulley (Model 2865) for increasing cord tension. Stretch-resistant operating cord (Model 1728), for hand operated track systems, shall have synthetic center and shall be of 1/4" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529).

Model 260 as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 270 Black Curtain Tracks - Curtain tracks shall be of 12-gauge aluminum construction, anodized black entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1701BL) shall be spaced on 12" centers and shall be of black steel construction with two polyethylene wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Black Live-end (Model 1703BL) and Dead-end (Model 1704BL) pulley blocks shall be adjustable and shall be equipped with 1-13/16" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two black end stops (Model 1709BL) for placement at each track end and a black tension floor pulley (Model 2865BL) for increasing cord tension. Stretch-resistant operating cord (Model 1728), for hand operated track systems, shall have synthetic center and shall be of 1/4" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529).

Model 270 as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 271-N Black Curtain Tracks - Curtain tracks shall be of 12-gauge aluminum construction, anodized black entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1737BL) shall be spaced on 12" centers and shall be of black steel construction with two nylon-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Live-end (Model 1703BL) and Dead-end (Model 1704BL) pulley blocks shall be adjustable and shall be equipped with 1-13/16" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two black end stops (Model 1709BL) for placement at each track end and a black tension floor pulley (Model 2865BL) for increasing cord tension. Stretch-resistant operating cord (Model 1728), for hand operated track systems, shall have synthetic center and shall be of 1/4" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable

(Model 3529).

Model 271-N as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 271-R Black Curtain Tracks - Curtain tracks shall be of 12-gauge aluminum construction, anodized black entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1749BL) shall be spaced on 12" centers and shall be of black steel construction with two neoprene-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Live-end (Model 1703 BL) and Dead-end (Model 1704 BL) pulley blocks shall be adjustable and shall be equipped with 1-13/16" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two black end stops (Model 1709 BL) for placement at each track end and a black tension floor pulley (Model 2865 BL) for increasing cord tension. Stretch-resistant operating cord (Model 1728), for hand operated track systems, shall have synthetic center and shall be of 1/4" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529).

Model 271-R as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 272 Black Curtain Tracks - Curtain tracks shall be of 12-gauge aluminum construction, anodized black entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1701 BL) shall be spaced on 12" centers and shall be of black steel construction with two polyethylene wheels held to the steel block by a rustproof nickel-plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Live-end (Model 2803BL) and Dead-end (Model 2804BL) pulley blocks shall be adjustable and shall be equipped with 3" diameter sleeve-bearing wheels adequately guarded. The manufacturer shall furnish two black end stops (Model 1709BL) for placement at each track end and a black tension floor pulley (Model 2865BL) for increasing cord tension. Stretch-resistant operating cord (Model 1730), for hand operated track systems, shall have synthetic center and shall be of 5/16" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529).

Model 272 as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 273 Black Curtain Tracks (Walk along track system) - Curtain tracks shall be of 12-gauge aluminum construction, anodized black entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1701BL) shall be spaced on 12" centers and shall be of black steel construction with two polyethylene wheels held to the steel block by a rust-proof nickel plated

rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. The manufacturer shall furnish four black end stops (Model 1709BL) for placement at each track end. This model track system is for walk-along operation only and does not include pulleys or other operating hardware. Model 273 as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 273-N Black Curtain Tracks (Walk along track system) -

Curtain tracks shall be of 12-gauge aluminum construction, anodized black entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1737BL) shall be spaced on 12" centers and shall be of black steel construction with two nylon-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. The manufacturer shall furnish four black end stops (Model 1709BL) for placement at each track end. This model track system is for walk-along operation only and does not include pulleys or other operating hardware. Model 273-N as manufactured by Automatic Devices Company of Allentown, PA.

BESTEEL Model 273-R Black Curtain Tracks (Walk along track system) -

Curtain tracks shall be of 12-gauge aluminum construction, anodized black entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1749) shall be spaced on 12" centers and shall be of black steel construction with two neoprene-tired ball-bearing wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. The manufacturer shall furnish four black end stops (Model 1709BL) for placement at each track end. This model track system is for walk-along operation only and does not include pulleys or other operating hardware. Model 273-R as manufactured by Automatic Devices Company of Allentown, PA.

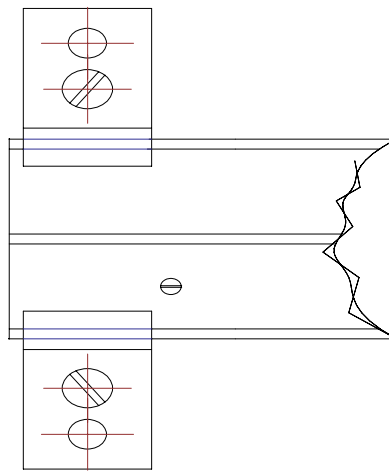
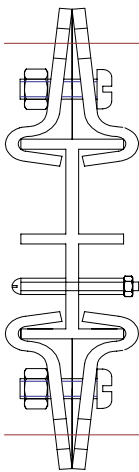
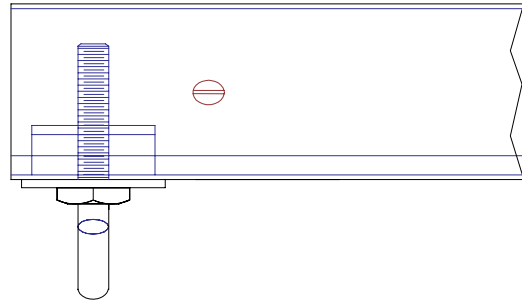
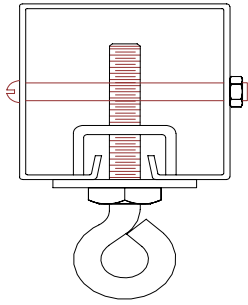
FENESTEEL Model 360 Black Curtain Tracks -

Curtain tracks shall be of 12-gauge aluminum construction, anodized black construction entirely enclosed except for slot in bottom, each half to be in one continuous piece except where splicing clamps are required. Each curtain carrier (Model 1701BL) shall be spaced on 12" centers and shall be of black steel construction with two polyethylene wheels held to the steel block by a rust-proof nickel plated rivet, such wheels rolling on two separate parallel treads. Each curtain carrier shall consist of a free-moving plated swivel to accommodate curtain snap hook. Black master carriers (Model 2602BL) shall include 8-1/2" steel overlapping arms to provide a 17" curtain overlap on a single section track system. Live-end (Model 1703BL) and Dead-end (Model 1704BL) pulley blocks shall be adjustable and shall be equipped with 1-13/16" diameter sleeve-bearing wheels adequately

guarded. The manufacturer shall furnish two black end stops (Model 1709) for placement at each track end and a black tension floor pulley (Model 2865BL) for increasing cord tension. Stretch-resistant operating cord (Model 1728), for hand operated track systems, shall have synthetic center and shall be of 1/4" diameter, extra quality yarn. Machine operated tracks shall use 3/16" diameter wire center cable (Model 3529).

Model 360 as manufactured by Automatic Devices Company of Allentown, PA.

INSTALLATION INSTRUCTIONS FOR ALL ROTODRAPERS EXCEPT MODEL 06 AND 06A



Two 1/4" diameter bolts are supplied with all Rotodrapers (except Models 06 & 06A) and are to be installed 2" from the ends of the track as illustrated above. To install the bolts, drill a 1/4" clearance hole in front of each end stop. Insert the bolts with spacing tubes (if included) as shown above. These bolts are used to add additional protection against the possibility of the Rotodrapper coming out of the track.

Install bolt after Rotodrapers are installed in tracks.

INSTALLATION INSTRUCTIONS FOR HAND OPERATED BESTEEL MODELS: 170, 171-R, 171-N, 172, 260

I. SUSPENDED INSTALLATIONS

NOTE: MODEL 260 FENSTEEL TRACK IS ASSEMBLED IN THE SAME MANNER AS DESCRIBED BELOW WITH THE EXCEPTION THAT THIS MODEL DOES NOT USE A TRACK OVERLAP. THE OVERLAP IS PROVIDED BY MASTER CARRIERS WITH EXTENSION ARMS (2602).

1. Lay the two track halves on the floor with the track slot facing down and with the desired amount of center overlap. If splicing is required, it should be done at this time. Splicing instructions can be found below. Attach the two lap clamps to the tracks at the overlap.
2. Install the live-end and dead-end pulleys at the end of the tracks and secure them to the track with the hardware supplied.
3. Insert an equal amount of single carriers into each track half. The carriers can be inserted at the open track ends located at the center overlap. The master carriers are the last to be inserted. Install the eye-bolt end stops in the open track ends at the center overlap and secure.
4. Place the hanging clamps at their desired locations along the track sections and secure to the track with the hardware provided.
5. Raise the track to its permanent location, position the track and secure in place.
6. Mount the floor pulley to the floor directly under and aligned with the track live-end pulley.

Model 171-R is supplied with rubber spacers that are positioned between the single carriers on the operating cord. These spacers must be threaded on the operating cord between the single carriers of the track sections.

7. Thread the operating cord through one sheave of the live-end pulley, through the bodies of the single carriers, the body of the master carrier and the two cord connectors which must be located inside the cavity of the master carrier body. Continue threading the cord through the eye-bolt of the end stop located at the center overlap, around the dead-end pulley, through the single carrier bodies of the second half of the track system and through one (1) half of the second master carrier, secure this end at the master carrier temporarily with a cord connector. Thread the

remaining end of the operating cord through the floor pulley, up and through the remaining sheave of the live-end pulley, through the eye bolt end stop of the second half of the track system and through the second master carrier. Loosely secure this end of the operating cord to the master carrier with a cord connector.

8. Move the master carriers an equal distance from the end of each track section. Remove the slack from the operating cord at the master carrier with the cut ends of cord and secure the cord at both masters with the cord connectors. Cut off excess cord.

IMPORTANT NOTES

- NEVER USE LESS THAN FIVE SUSPENSION POINTS TO SUPPORT THE TRACK SYSTEM. THE TRACK SHOULD ALWAYS BE SUPPORTED AT IT'S ENDS.
- SUPPORT THE LIVE-END PULLEY TO THE OVERHEAD STRUCTURE USING THE HOLE PROVIDED ON THE PULLEY.
- ONE-WAY OPERATING CURTAINS ARE INSTALLED IN THE SAME MANNER AS LISTED ABOVE WITH THE EXCEPTIONS THAT ONLY ONE MASTER CARRIER IS USED, THERE IS NO CENTER OVERLAP, AND ALL OF THE SINGLE CARRIERS ARE INSTALLED BEHIND THE SINGLE MASTER CARRIER.

II. CEILING MOUNTED INSTALLATIONS

NOTE: MODEL 260 FENSTEEL TRACK IS ASSEMBLED IN THE SAME MANNER AS THE ABOVE REFERENCED MODELS WITH THE EXCEPTION THAT THIS MODEL DOES NOT USE A TRACK OVERLAP. THE OVERLAP IS PROVIDED BY MASTER CARRIERS WITH EXTENSION ARMS (2602).

1. Hanging clamps and lap clamps are not needed or provided for ceiling mounted track systems. The top of the track channel should be drilled every 18" for direct attachment to the ceiling structure.

Because ceiling mounted tracks do not provide an opportunity for vertical adjustment, it is very important that the ceiling structure be level. Any deviation can cause the space between the bottom of the curtain and the floor surface to be uneven. Shims, or blocking may be required for this purpose.

2. Install the live-end and dead-end pulleys at the end of the tracks and secure.
3. Insert an equal amount of single carriers into each track half. The carriers can be

inserted at the open track ends. The master carriers are the last to be inserted. Install the eye-bolt end stops in the open track ends and secure with the hardware provided.

4. Raise the track to its permanent location, position the track and secure in place.
5. Mount the floor pulley to the floor directly under and aligned with the track live-end pulley

Model 171-R is supplied with rubber spacers that are positioned between the single carriers on the operating cord. These spacers must be threaded on the operating cord as the single carriers are installed in the track sections.

6. Thread the operating cord through one sheave of the live-end pulley, through the bodies of the single carriers, the body of the master carrier and two cord connectors which must be located inside the cavity of the master carrier body. Continue threading the cord through the eye-bolt of the end stop located at the center overlap, around the dead-end pulley, and through the single carriers of the second half of the track system and through one (1) half of the second master carrier, secure this end at the master carrier temporarily with a cord connector. Thread the remaining end of the operating cord through the floor pulley, up and through the remaining sheave of the live-end pulley, through the eye bolt end stop of the second half of the track system and through the second half of the second master carrier. Loosely secure this end of the operating cord to the master carrier with a cord connector.
6. Move the master carriers an equal distance from an end of each track section. Remove the slack from the operating cord at the master carrier with the cut ends of cord and secure the cord at both masters with the cord connectors provided. Cut off the excess cord

IMPORTANT NOTE

- ONE-WAY OPERATING CURTAINS ARE INSTALLED IN THE SAME MANNER AS LISTED ABOVE WITH THE EXCEPTIONS THAT ONLY ONE MASTER CARRIER IS USED, THERE IS NO CENTER OVERLAP AND ALL OF THE SINGLE CARRIERS ARE INSTALLED BEHIND THE SINGLE MASTER CARRIER.

IMPORTANT SPLICING INFORMATION

I. SUSPENDED TRACK: Place splice clamps onto track and align holes in track with those in splicing clamps. Tighten clamps in place by means of the three 1/4" x 3/4" stove bolts. Align track by tightening the four 5/16" case hardened cap screws against the top of both track sections. Place twelve 5/16" x 1/4" 20 stove bolts through the sides of the splice clamps and tighten into position. Refer to drawing P-1724 for further assistance.

II. CEILING MOUNTED TRACK: Place splicing clamps on track and align holes in splicing clamps with factory drilled and tapped holes of the track channel. Insert twelve 1/4-20 by 5/16" long stove bolts through the holes in the side of the splice clamps and tighten securely into the tapped holes in the track channels. Refer to ADC drawing number 2624 for additional information.

INSTALLATION INSTRUCTIONS FOR MOTORIZED BESTEEL MODELS: 170, 171-R, 171-N, 172, 260

1. SUSPENDED INSTALLATIONS

NOTE: MODEL 260 FENSTEEL TRACK IS ASSEMBLED IN THE SAME MANNER AS DESCRIBED BELOW WITH THE EXCEPTION THAT THEI MODEL DOES NOT USE A TRACK OVERLAP. THE OVERLAP IS PROVIDED BY MASTER CARRIERS EQUIPPED WITH EXTENSION ARMS.

1. Lay the two track halves on the floor with the track slot facing down and with the amount of desired center overlap. If splicing is required, it should be done at this time. See splicing instructions below. Attach the two lap clamps to the tracks at the overlap with the hardware provided.
2. Install the live-end and dead-end pulleys at the end of the tracks and secure with the hardware supplied.
3. Insert and equal amount of single carriers into each track section. The carriers can be inserted at the open track ends located at the center overlap. The master carriers are the last to be inserted. Install the eye-bolt end stops in the open track ends at the center overlap and secure with the hardware provided.
4. Place the hanging clamps at their desired locations along the track sections. Raise the track to its permanent position and secure in place. Mount the floor pulley to the floor directly under and in line with the live-end pulley.

Model 171-R is supplied with rubber spacers that ride on the operating cord between each carrier. Be sure to incorporate them when cording the track.

5. Thread one end of the wire-center cable through one wheel of the live-end pulley, through the body of the single carriers, through the first master carrier and its cord connectors making sure to locate the cord connectors on inside the cavity of the master carrier body. Continue threading the cable through the eye-bolt of the end stop and around the dead-end pulley, through the body of the single carriers located in the other half of track, through the second master carrier and its cord connectors. Be sure to locate the cord connector in the cavity of the master carrier body. Thread the cable through the second end stop, the remaining wheel of the live-end pulley and down to the curtain machine.
6. You should have two coils of cable, of approximately the same length emanating from

the live end pulley of the track. At this point refer to ADC form # **745-A** for instructions on cord attachment to the grooved cable drum.

IMPORTANT NOTES

- NEVER USE LESS THAN FIVE SUSPENSION POINTS. ALWAYS PROVIDE A SUPPORT AT THE TRACK ENDS.
- SUPPORT THE LIVE-END PULLEY TO AN OVERHEAD STRUCTURE USING THE HOLE PROVIDED ON THE PULLEY.
- SUPPORT MEDIA SHOULD BE CHAIN, THREADED ROD, STEEL OR WIRE CABLE. **NEVER USE ROPE.**
- ONE-WAY OPERATING CURTAINS ARE INSTALLED IN THE SAME MANNER AS LISTED ABOVE WITH THE EXCEPTIONS THAT ONLY ONE MASTER CARRIER IS USED, THERE IS NO CENTER OVERLAP, AND ALL OF THE SINGLE CARRIERS ARE INSTALLED BEHIND THE SINGLE MASTER CARRIER.

II. CEILING MOUNTED INSTALLATIONS

NOTE: MODEL 260 FENSTEEL TRACK IS ASSEMBLED IN THE SAME MANNER AS DESCRIBED BELOW WITH THE EXCEPTION THAT THEI MODEL DOES NOT USE A TRACK OVERLAP. THE OVERLAP IS PROVIDED BY MASTER CARRIERS EQUIPPED WITH EXTENSION ARMS.

1. Lay the two track halves on the floor with the track slot facing down and with the amount of desired center overlap. If splicing is required, it should be done at this time. See splicing instructions below.

Hanging clamps and lap clamps are not needed or provided for ceiling mounted track systems. The top of the track channel should be drilled every 18" for direct attachment to the ceiling structure.

Because ceiling mounted tracks do not provide the opportunity for vertical adjustment, it is very important that the ceiling structure be level. Any deviation can cause the space between the bottom of the curtain and the floor surface to be uneven. Shims or blocking may be required for this purpose.

2. Install the live-end and dead-end pulleys at the end of the tracks and secure with the hardware supplied.
3. Insert an equal amount of single carriers into each track section. The carriers can be inserted at the open track ends located at the center overlap. The master carriers are the last to be inserted. Install the eye-bolt end stops in the open track ends at the center overlap and secure with the hardware provided.

Model 171-R is supplied with rubber spacers that ride on the operating cord between each carrier. Be sure to incorporate them when cording the track.

4. Lift the track sections into place and secure to the overhead structure.
5. Thread one end of the wire-center cable through one wheel of the live-end pulley, through the body of the single carriers, through the first master carrier and its cord connectors making sure to locate the cord connectors on inside the cavity of the master carrier body. Continue threading the cable through the eye-bolt of the end stop and around the dead-end pulley, through the body of the single carriers located in the other half of track, through the second master carrier and its cord connectors. Be sure to locate the cord connector in the cavity of the master carrier body. Thread the cable through the second end stop, the remaining wheel of the live-end pulley and down to the curtain machine.
6. You should have two coils of cable, of approximately the same length emanating from the live end pulley of the track. At this point refer to ADC form # **745-A** for instructions on cord attachment to the grooved cable drum.

IMPORTANT SPLICING INFORMATION

I. SUSPENDED TRACK: Place splice clamps onto track and align holes in track with those in splicing clamps. Tighten clamps in place by means of the three 1/4" x 3/4" stove bolts. Align track by tightening the four 5/16" case hardened cap screws against the top of both track sections. Place twelve 5/16" x 1/4" 20 stove bolts through the sides of the splice clamps and tighten into position. Refer to drawing P-1724 for further assistance.

II. CEILING MOUNTED TRACK: Place splicing clamps on track and align holes in splicing clamps with factory drilled and tapped holes of the track channel. Insert twelve 1/4"-20 by 5/16" long stove bolts through the holes in the side of the splice clamps and tighten securely into the tapped holes in the track channels. Refer to ADC drawing number 2624 for additional information.

INSTALLATION INSTRUCTIONS
SILENT STEEL MODEL 280 AND BESTEEL MODEL 170
EQUIPPED WITH CENTER TAKE-OFF LIVE END PULLEY

1. Track systems that utilize center take-off pulleys (CTO) incorporate a dead end pulley in place of the live end pulley. Make the substitution of a dead end pulley in the instructions for the track system being used. Assemble the remainder of the track system according to its standard instructions to the point where it is ready for cable installation.
2. The CTO can be located along the track only in areas where the return cable is in an open area (not going through carriers). The CTO can be attached to the track anywhere between the center overlap and as close as 4 feet to the dead-end pulley. Do not locate the CTO any closer than 4 feet from the dead end pulley.
3. The operating cable can be installed either before the track is raised to its final position, or after the track is in place. Starting at the CTO, thread the cable around one of the CTO's sheaves, around one of the dead end pulleys, through the single carriers and then the master carrier to the other side of the track. Continue to and around the other dead end pulley, then back through the single carriers and master carrier on that side. Thread the cable past the center overlap and around the remaining CTO sheave.

Do not tighten the master carrier's cable clamps at this time.

4. An additional mule sheave is usually required to mule the cables down to a floor mounted curtain machine. The mule block can be ceiling, or wall mounted but must be able to support the operating load of the system. Run the cables from the CTO to the mule block, and then down to the curtain machine making sure that the lines remain in alignment. Connect the cables to the curtain machine's grooved cable drum, referring to form 745-A for instructions.
5. It is very important that the track be securely braced in every direction so that it does not sway during operation. The use of a CTO will create a load perpendicular to the track as the system operates. Make sure to add supports to the system that will allow for this additional force. Any movement of the track will affect cable tension.
6. Locate the master carriers an equal distance from the ends of their tracks, and secure the operating cable to the master carriers with the cable clamps provided.
7. Test the track and machine operation several times prior to attaching the curtain to the track system.

NOTE: FOR MANUALLY OPERATED 170 TRACK, REFER TO FORM 710.
FOR MANUALLY OPERATED 280 TRACK, REFER TO FORM 718.

INSTALLATION INSTRUCTIONS FOR BESTEEL CURTAIN TRACKS

WALK-DRAW MODELS 173, 173-N & 173-R

CEILING MOUNTED TRACK

1. Place the 1700 track channels and curves (if needed) on the floor, or stable support, for assembly.
2. The top of the track must be drilled every 18" for direct attachment to the ceiling structure. Shims or blocking may be required if the ceiling surface is uneven.
3. If the track layout has curves, splice them to the straight sections of track. Splice the remaining track sections together. Make sure that the assembled sections are not too large to handle. Refer to **drawing number iso-2624-96** and the notes below for additional ceiling mount splice clamp installation instructions.
4. Insert the single and master carriers from the open ends of the track and install the end stops with the hardware provided. If you have a model 173-r model track, make sure that the rubber bumpers are installed on the carriers. If final assembly of track sections is to be made with the track in the mounted position, wait until assembly is complete to add carriers and end stops.
5. With the carriers and end stops installed lift the track into position and secure to ceiling structure with appropriate hardware.
6. It may be desirable to attach chains between carriers, especially on long tracks, or on tracks with heavy curtains where curtains will be pulled from either end. Chains will relieve the strain on the top of the curtain. It is often easier to push the folded curtain around curves rather than pull the curtain from one end.

important splicing information

- ◆ Place splicing clamps on track and align the holes in the splicing clamps with the holes that have been drilled and tapped in the sides of the track channel.
- ◆ Insert twelve (12) 1/4-20 x 5/16" long stove bolts through the holes in the sides of the splice clamps. Tighten them securely into the tapped holes in the track channel.

INSTALLATION INSTRUCTIONS FOR BESTEEL WALK-DRAW MODELS 173, 173-N & 173-R SUSPENDED INSTALLATIONS

1. Place the track channels and curves (if used) on the floor, or a stable support for assembly.
2. If a center overlap is desired, overlap the tracks by the amount desired and attach the lap clamps (1707) to the track by inserting the bolt from below, through the hole in the top of each clamp. Install and tighten the nuts on top of the clamp to the bolt to lock the clamps in place.
3. If the track layout includes curves, splice them to the straight sections of track. Splice the remaining track sections together. Make sure that the assembled sections are not too large to handle. Refer to **drawing number a-2824-1724** for additional splice clamp installation instructions. Be sure to adjust the setscrews of the splice clamps such that the side, top and bottom surfaces of the two joined track channels are properly aligned.
4. Attach hanging clamps (1708) a maximum of every 6' along the track length and at each end of the track channels. Be sure to support the curved sections of track from the splice clamps. Do not attach hanging clamps directly to the curved sections of track.
5. Insert the single and master carriers into the track sections and install the end stops at the open ends with the hardware provided. If you have a model 173-r model track, make sure that the rubber bumpers are installed on the carrier.
6. With the carriers and end stops installed lift the track into position and secure it to the ceiling structure with appropriate hardware.
7. It may be desirable to attach chains between carriers, especially on long tracks, or on tracks with heavy curtains where curtains will be pulled from either end. Chains will relieve the strain on the top of the curtain fabric. It is often easier to push the folded curtain around curves rather than pull the curtain around the curve from one end of the curtain.

important suspended track information

- Never use less than five (5) lines to suspend any track system.
- Always attach hanging clamps and use support lines to the ends of the track sections.
- Firmly anchor end stops at each end of the track channels.
- Pipe battens can be used to provide additional support to suspended track system. Pipe clamps are available for attachment of hanging clamps to common size pipe battens.

- If possible, add hanging clamps immediately alongside of splice clamps. These will aid in maintaining correct track alignment at the splice.
- When properly supported, a suspended track will not sway a great deal during curtain operation.
- A chain, positioning pole, or other positioning device can be attached to the master carrier(s) to aid in curtain operation.

INSTALLATION INSTRUCTIONS FOR RUBBER SPACERS AND BUMPERS

<u>RUBBER SPACER</u>	<u>DESCRIPTION</u>
1726	5/8" O.D. X 5/16" I.D. X 1/8" THICK
2825	1/2" O.D. X 1/2" DEEP, TAPERED WITH SLOT
2826	1" O.D. X 1/2" I.D. X 1/8" THICK
2827	1" O.D. X 1/2" I.D. X 7/16" THICK
2827A	1-1/4" O.D. X 5/8" I.D. X 5/16" THICK

BESTEEL MODEL 171-R TRACK (HAND OR MACHINE OPERATED)

- One 1726 Rubber Spacer is inserted between each carrier.
- If Backpack Guides are used, the 1726 is inserted between each Backpack Guide and the carrier to which it is attached.

BESTEEL MODEL 172-R TRACK (HAND OPERATED)

- One 2826 Rubber Spacer is inserted between each carrier.
- If Backpack Guides are used, the 2826 is inserted between each Backpack Guide and the carrier to which it is attached.

SILENT STEEL MODEL 280 TRACK (HAND OR MACHINE OPERATED)

- One 2825 Rubber Bumper is attached to each carrier, directly above the opening for the cord, on the side facing the master carrier.
- If Backpack Guides are used, the 2826 is inserted between each Backpack Guide and the carrier to which it is attached. One 2827 Rubber Spacer is inserted between each Backpack Guide and the following carrier. One 2827 Rubber Spacer is inserted between the master carrier and the adjoining single carrier.

SILENT STEEL MODEL 280-A TRACK (HAND OR MACHINE OPERATED)

- One 2826 Rubber Spacer is inserted between each carrier.
- If Backpack Guides are used, follow the same procedure as described above for the Model 280 track equipped with Back-Pack Guides.

SILENT STEEL MODELS 281 AND 282 TRACKS (HAND OR MACHINE OPERATED)

- One 2827 Rubber Bumper is inserted between each carrier.
- If Back-Pack Guides are used, follow the same procedure as described above for the Model 280 track equipped with Backpack Guides.

SILENT STEEL MODELS 283-N AND 283-R (HAND OPERATED)

- Two 2827-A Rubber Spacers are inserted between each carrier.
- If Backpack Guides are used, one 2827-A Rubber Spacer is inserted between each Backpack Guide and the carrier to which it is attached. One 2827-A Rubber Spacer is inserted between each Backpack Guide and the carrier that follows it.

SILENT STEEL MODELS 283-N AND 283-R (MACHINE OPERATED)

- One 2827 Rubber Spacer is inserted between each carrier.
- If Backpack Guides are used, follow the same procedures as are used for Model 280 track equipped with Backpack Guides.

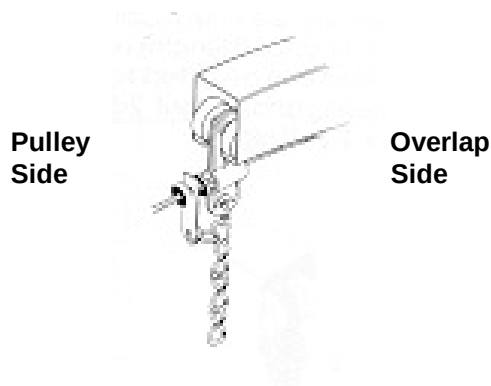
GENERAL COMMENTS

Rubber spacers are never inserted between single carriers and end pulleys. This also applies to backpack guides. Never attach a backpack guide to the outer-most single carriers next to the live and dead-end pulleys. Also never attach backpack guides to master carriers.

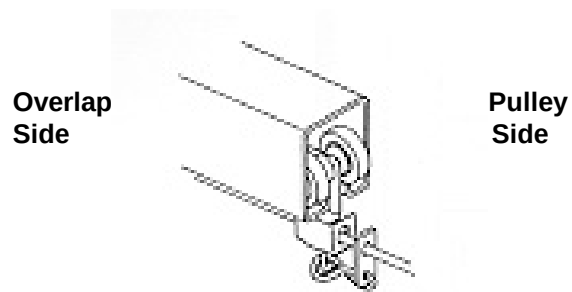
CAUTION TAG

ATTACHMENT OF BACK-PACK GUIDES

- Back-pack guides must be attached to the back (pulley side) of the track single carriers.
- Check the chain connecting the back-pack guide body to the carrier and make certain that it is not twisted, or in conflict with the curtain fabric.
- The half-link closest to the back-pack guide must be entirely vertical for the back-pack to operate correctly.
- The half-link closest to the carrier swivel must be entirely horizontal for the back-pack to operate correctly.
- Do not attach back-pack guides to the last (off stage) carriers. Installing back-packs to these carriers will interfere with the end pulleys of the track and damage the operating cord or cable.
- Failure to adhere to the above warnings will result in damage to the track system components and/or hinder operation of the track system.



Model 280 Track Systems



Model 170 Track Systems



CORD ATTACHMENT TO GROOVED CABLE DRUM ADC SILENT STEEL AND BESTEEL MODEL TRACKS

1. After the cable has been threaded through the pulleys, carriers and track, place the excess cable on the floor beneath the live-end pulley. Make sure to pull at least an extra 5 feet of cord all the way through. At this time the machine should be mounted beneath the live-end pulley. A plumb line may be used to ensure proper alignment between the machine and the live-end pulley.

Thumb Screw

Driving Dog

2. Disengage the drum from the drive shaft by loosening the thumb screw on the driving dog (see [Photo 1](#)). Thread the end of the cable through the hole in one end of the drum.

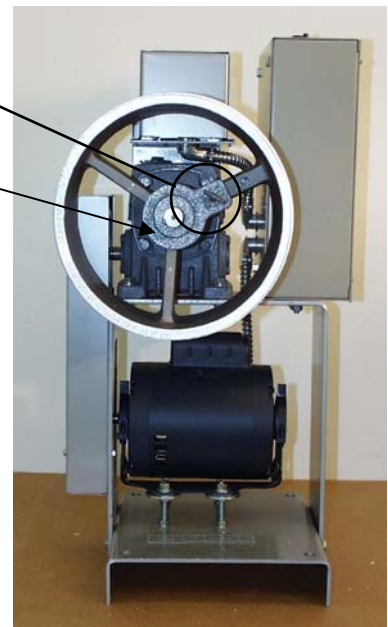


Photo 1

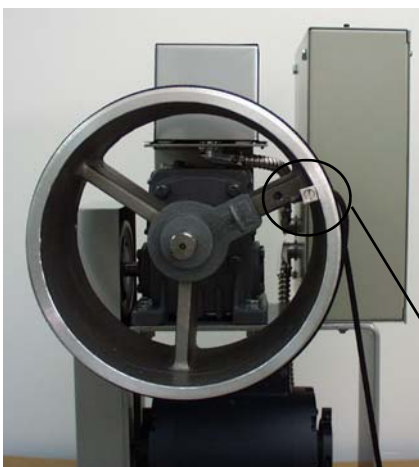


Photo 2

3. Fasten the end of cable to the inside of the drum with cord the cable connector provided. The cord clamps will be in a cloth bag, tied to the machine (see [Photo 2](#)).

Cable Clamp (CF-1)



4. Following the grooves carefully, wrap the cable the drum to within 4 grooves of the far end of the drum, or with an amount of cable equal to the amount of cable travel required **plus 5 feet**. Remove all slack in the system by pulling the other end of the cable. **Be careful not to make the cord too taut!** Damage to track components and curtain machine may occur **if cable is too taut**.

Note at least 4 empty grooves

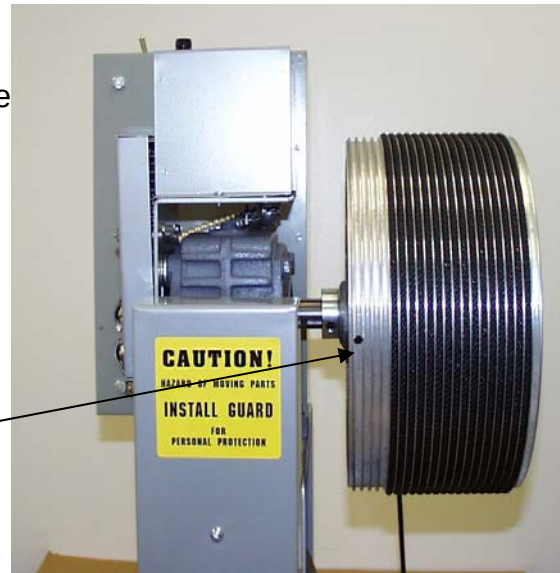


Photo 3

5. Leaving at least 1 empty groove, wind 3 wraps of the cord around the drum in the opposite direction of the first cable. Feed the end of the cable through the hole in the drum and secure it with a cord connector (see Photo 1). Cut off any excess cable. Your drum should now look the drum in Photo 4 below.
6. Turn the drum until the hole of the driving dog lines up with the hole in the drum spoke. Engage the drum by tightening the thumb screw. (See photo 1)
7. The machine is now ready for limit switch adjustment. **DO NOT OPERATE THE MACHINE UNTIL THE LIMIT SWITCHES HAVE BEEN SET.** Directions for limit switch adjustment are located in the machine manual that accompanied the machine.

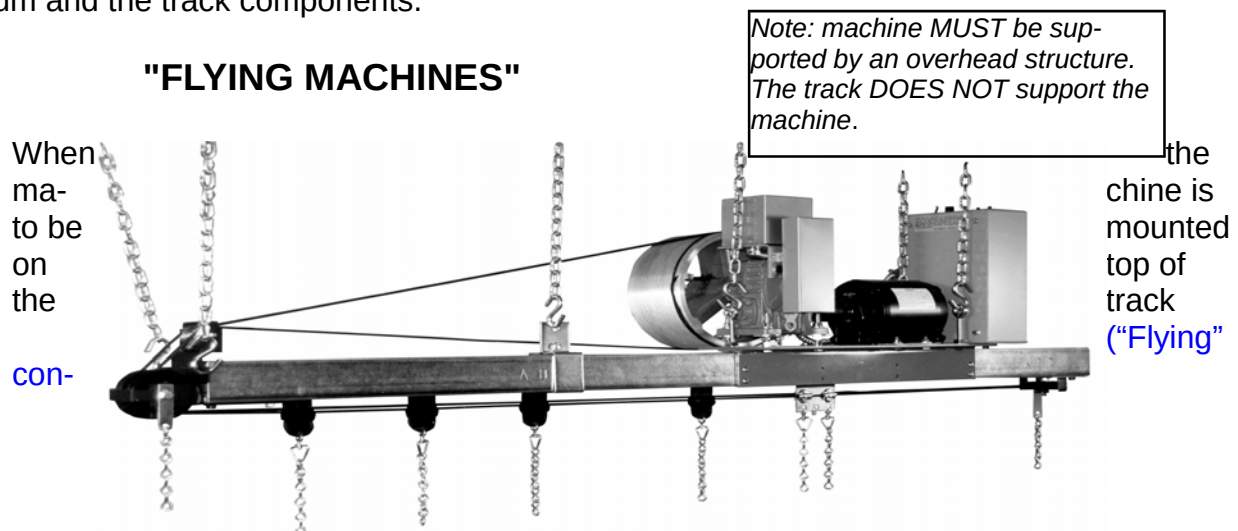


Photo 4



IMPORTANT NOTES

- All wire-centered cable stretches during its first few weeks of use. It is strongly recommended that periodic checks be made, and excess slack be taken **out**, especially during the first few weeks of operation.
- Do not use cable that is larger than what will nest properly in the grooves of the cable drum (**3/16" in most cases**).
- In order to maintain a proper fleet angle, the machine's drum should never be less than 10 feet from the live-end pulley. A plumb line should be run from the center of the live-end pulley to the floor to ensure that the drum is vertically in line with the live-end pulley.
- Always use a covered wire center cable. Uncoated steel cable **will** damage the aluminum drum and the track components.



(figure 1), follow the previous instructions for threading the cable. Mount the machine to the top of the track with the angle bracket supplied with the machine. Steel track must be drilled and tapped to fasten the angle bracket. Eye bolts for securing the machine to the overhead structure are also furnished on the base. A special live-end pulley must be used to guide the cable up and over the top of the track to the machine. The machine must be mounted to the track at least 10 feet from the flying live-end pulley.

NOTE: THE MACHINE MUST BE SECURED TO AN OVERHEAD STRUCTURE FROM THE EYEBOLTS OF THE MACHINE BASE. THE TRACK ALONE CANNOT SUPPORT THE WEIGHT AND TORQUE OF THE MACHINE.

End of Instructions

CORD ATTACHMENT TO GROOVED CABLE DRUM ADC SILENT STEEL AND BESTEEL MODEL TRACKS

1. After the cable has been threaded through the pulleys, carriers and track, place the excess cable on the floor beneath the live-end pulley. Make sure to pull at least an extra 5 feet of cord all the way through. At this time the machine should be mounted beneath the live-end pulley. A plumb line may be used to ensure proper alignment between the machine and the live-end pulley.
2. Disengage the drum from the drive shaft by loosening the thumb screw on the driving dog. Thread the end of the cable through the hole in one end of the drum. Fasten the end of cable to the inside of the drum with cord the cable connector provided.
3. Following the grooves carefully, wrap the cable on the drum to within 4 grooves of the far end of the drum, or with an amount of cable equal to the amount of cable travel required. Remove all slack in the system by pulling the other end of the cable. **Be careful not to make the cord too taut!** Damage to track components and curtain machine may occur.
4. Allow at least one empty groove in the drum and wind 3 wraps of the cord around the drum in the opposite direction of the first cable attached to the drum. Feed the end of the cable through the hole in the drum and attaching it with a cord connector. Cut off any excess cable.
5. Engage the drum by tightening the thumbscrews.
6. Adjust the limit switches. Directions for limit switch adjustments are located on the limit switch cover (Form #306).

IMPORTANT NOTES

- All wire-centered cable stretches during its first few weeks of use. It is strongly recommended that periodic checks are made, and excess slack is taken up, especially during the first few weeks of operation.
- Do not use cable that is larger than what will nest properly in the grooves of the cable drum.
- In order to maintain a proper fleet angle, the machine's drum should never be less than 10 feet from the live-end pulley. A plumb line should be run from the center of the live-end pulley to the floor to ensure that the drum is vertically in line with the live-end pulley.
- Always use a covered wire center cable. Uncoated steel cable may damage the aluminum drum and the track components.

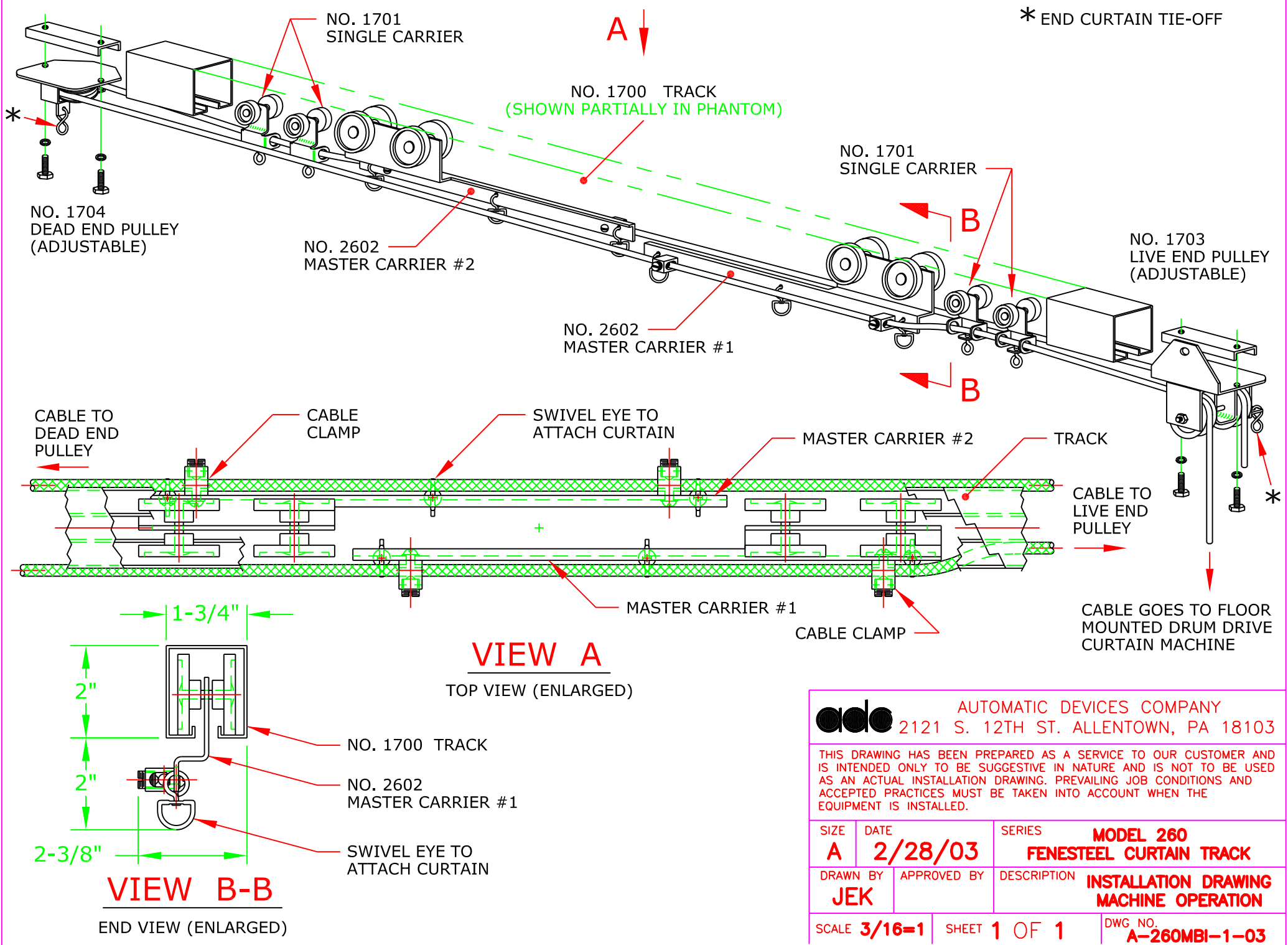
"FLYING MACHINES":

When the machine is to be mounted on top of the track, follow the previous instructions for threading the cable. Mount the machine to the top of the track with the angle bracket supplied with the machine. Steel track must be drilled and tapped to fasten the angle bracket. Eyebolts for securing the machine to the overhead structure are also furnished on the base. A special live-end pulley must be used to guide the cable up and over the top of the track to the machine. The machine must be mounted to the track at least 10 feet from the flying live-end pulley.

Note: the machine must be secured to an overhead structure from the eyebolts of the machine base. The track alone cannot support the weight and torque of the machine.

BACK-PACK GUIDE SCHEDULE

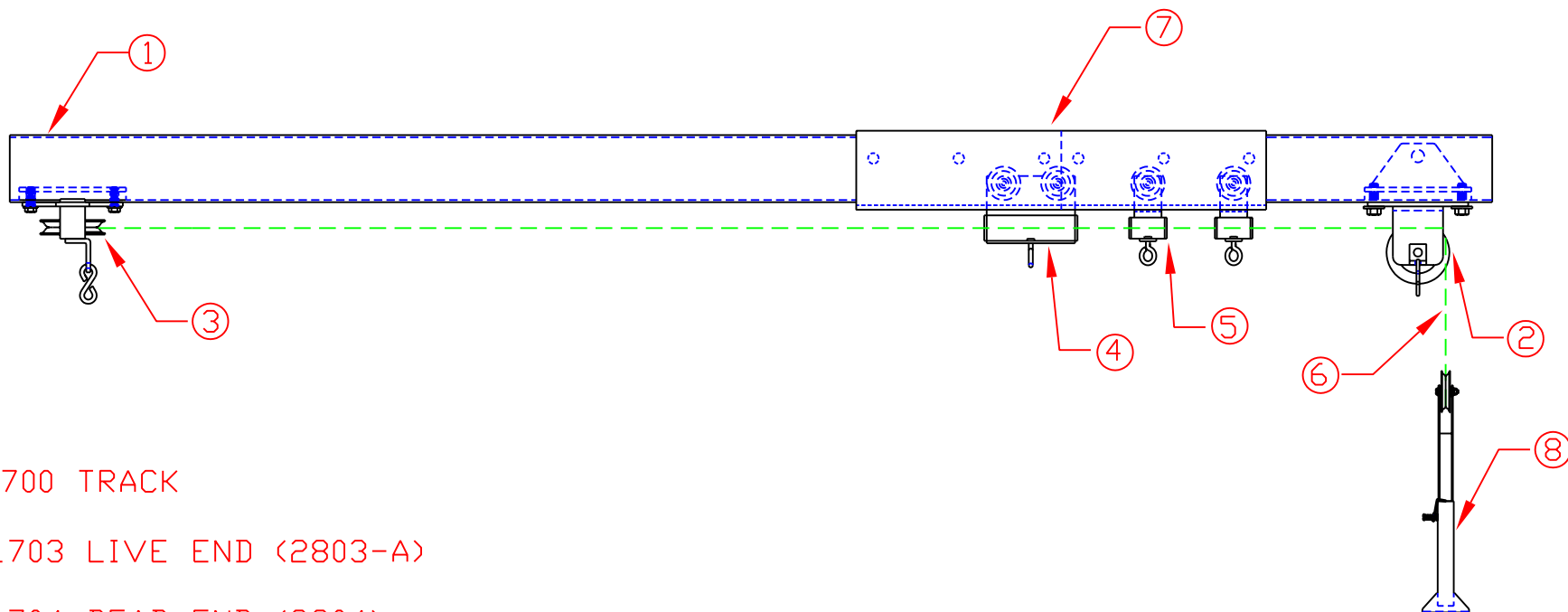
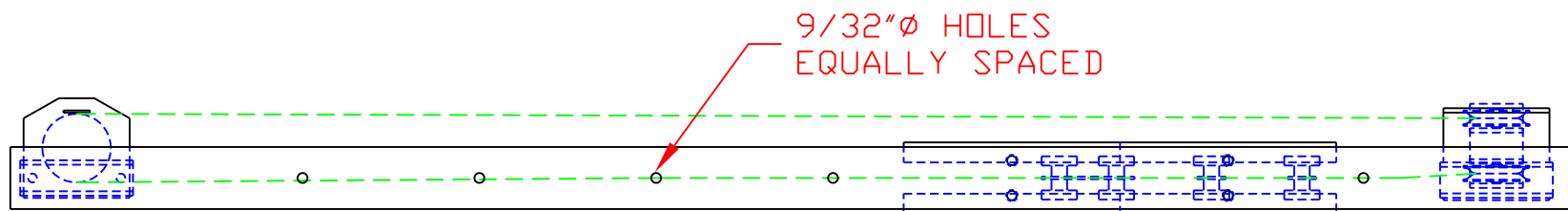
GUIDE	GUIDE I.D.	WASHER No 1.	O.D.	I.D.	THICKNESS	WASHER No 2.	O.D.	I.D.	THICKNESS	OPERATION
1733	5/16"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HAND
1734	1 /4"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	MACHINE
1735	3/8"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HAND (1730)
2833A	5/8"	2827A	1-1/16"	5/8"	7/16"	2827A	1-1/16"	5/8"	7/16"	HAND (2830)
2834	1 /4"	2826	1"	9/16"	1/8"	2827	1"	9/16"	7/16"	MACHINE
2833	7/16"	2826	1"	9/16	1/8"	2827	1"	9/16"	7/16"	HAND



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SIZE	DATE	SERIES	MODEL 260 FENESTEL CURTAIN TRACK
A	2/28/03		
DRAWN BY	APPROVED BY	DESCRIPTION	
JEK		INSTALLATION DRAWING MACHINE OPERATION	
SCALE 3/16=1		SHEET 1 OF 1	DWG. NO. A-260MBI-1-03



- ① - 1700 TRACK
 - ② - 1703 LIVE END (2803-A)
 - ③ - 1704 DEAD END (2804)
 - ④ - 1702 MASTER CARRIER (1738,1750)
 - ⑤ - 1701 SINGLE CARRIER (1737,1749)
 - ⑥ - OPERATING CORD OR CABLE
 - ⑦ - 2624 SPLICE CLAMP (IF NEEDED)
 - ⑧ - 2865 FLOOR PULLEY (2805,2866,2866A)
- (*,*) DENOTES ALTERNATIVE COMPONENTS

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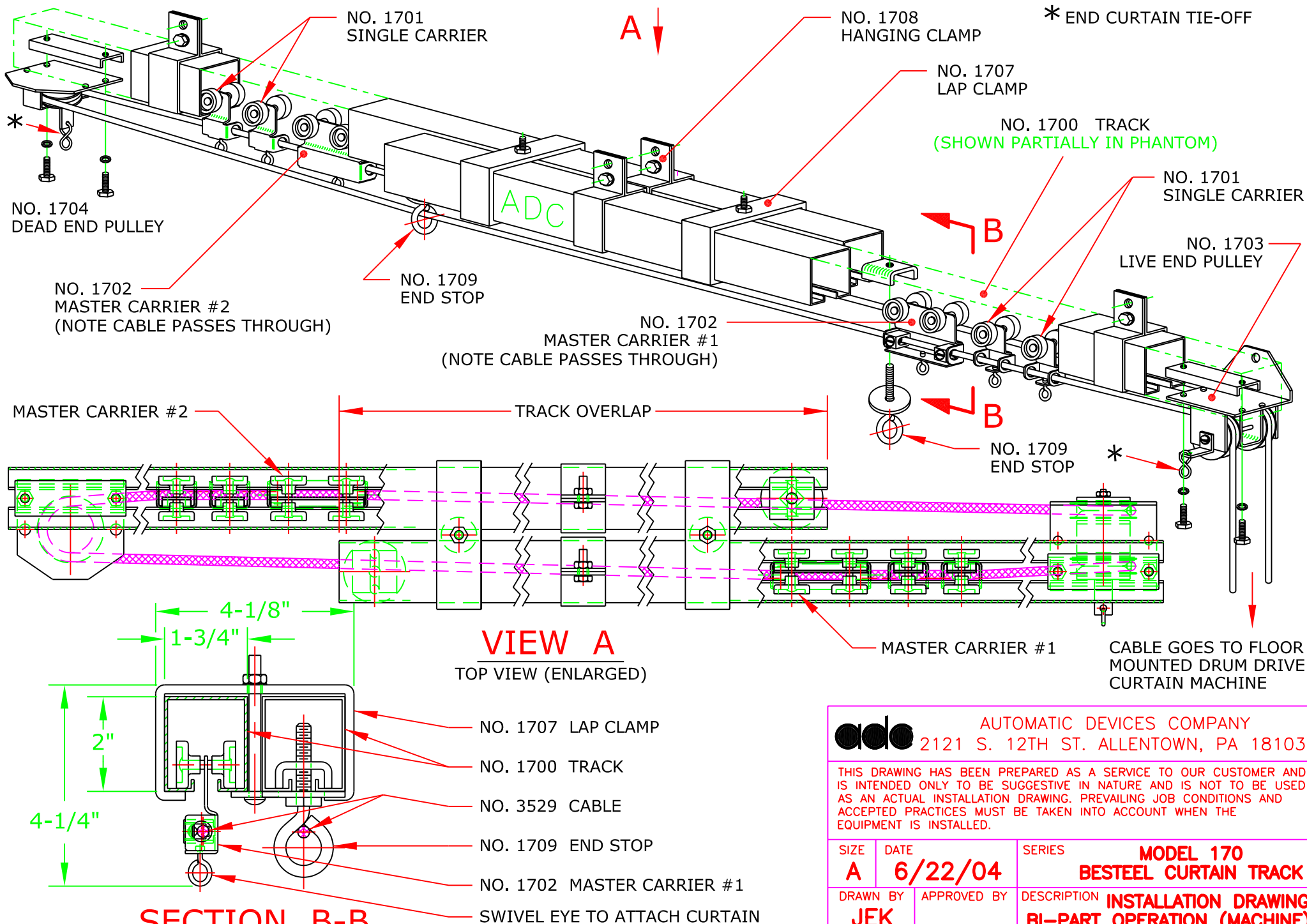
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SIZE A	DATE 06/01/98	INSTALLATION INSTRUCTIONS	REV
DRAWN BY GAR	APPROVED BY	DESCRIPTION 1700 TRACK LEG ASSEMBLY-CEILING MOUNTED	
SCALE NTS	SHEET 1 OF 1	DWG NO. II-170CL-98	

REV.

DATE:

FORM NO.: 170BPMS



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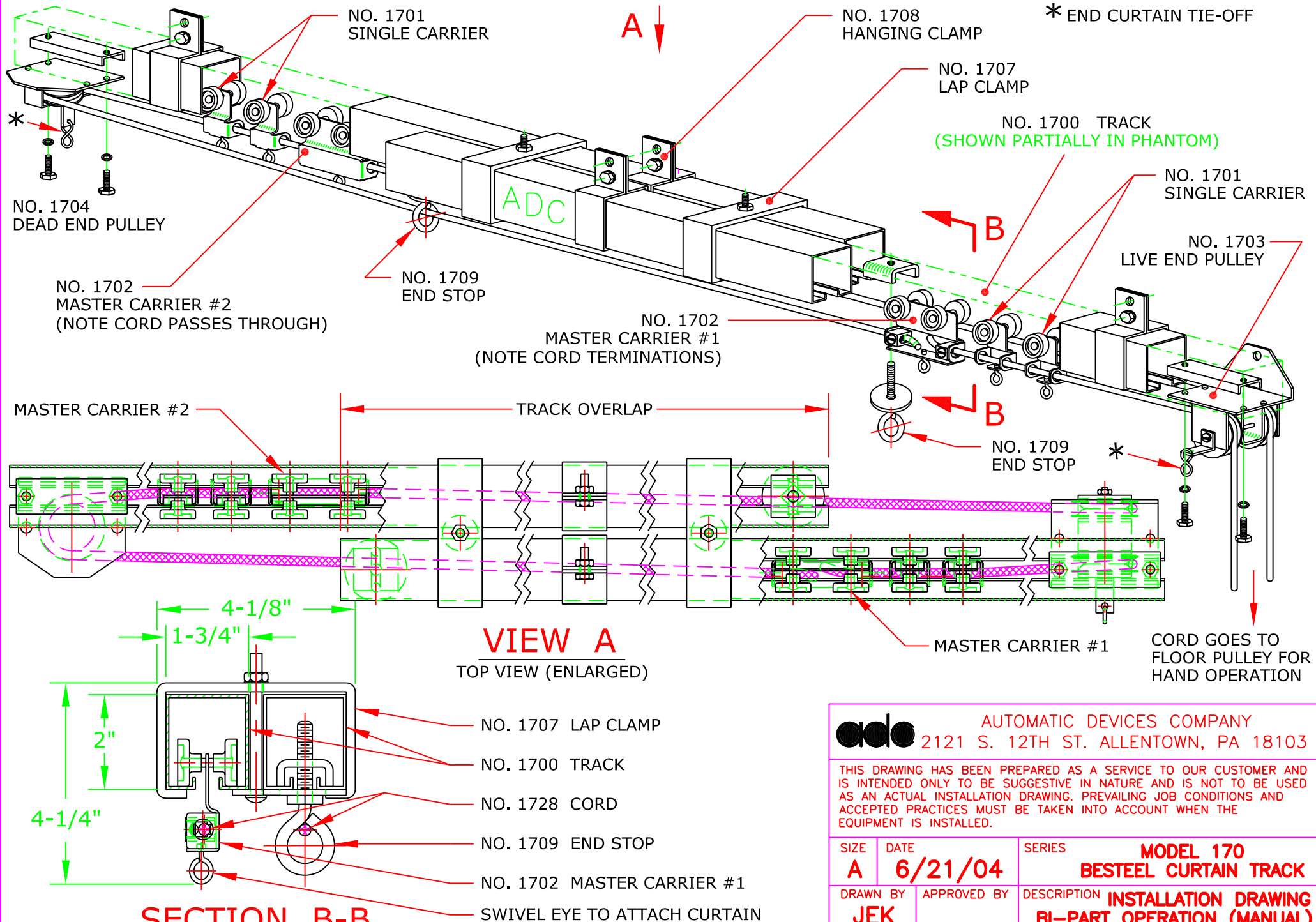
SIZE	DATE	SERIES	MODEL 170 BESTEEL CURTAIN TRACK
A	6/22/04		
DRAWN BY	APPROVED BY	DESCRIPTION	INSTALLATION DRAWING BI-PART OPERATION (MACHINE)
JEK			
SCALE 3/16=1	SHEET 1 OF 1	DWG NO.	II-170MBI-1-04

REV.

DATE:

DO NOT USE FOR MACHINE OPERATED TRACKS

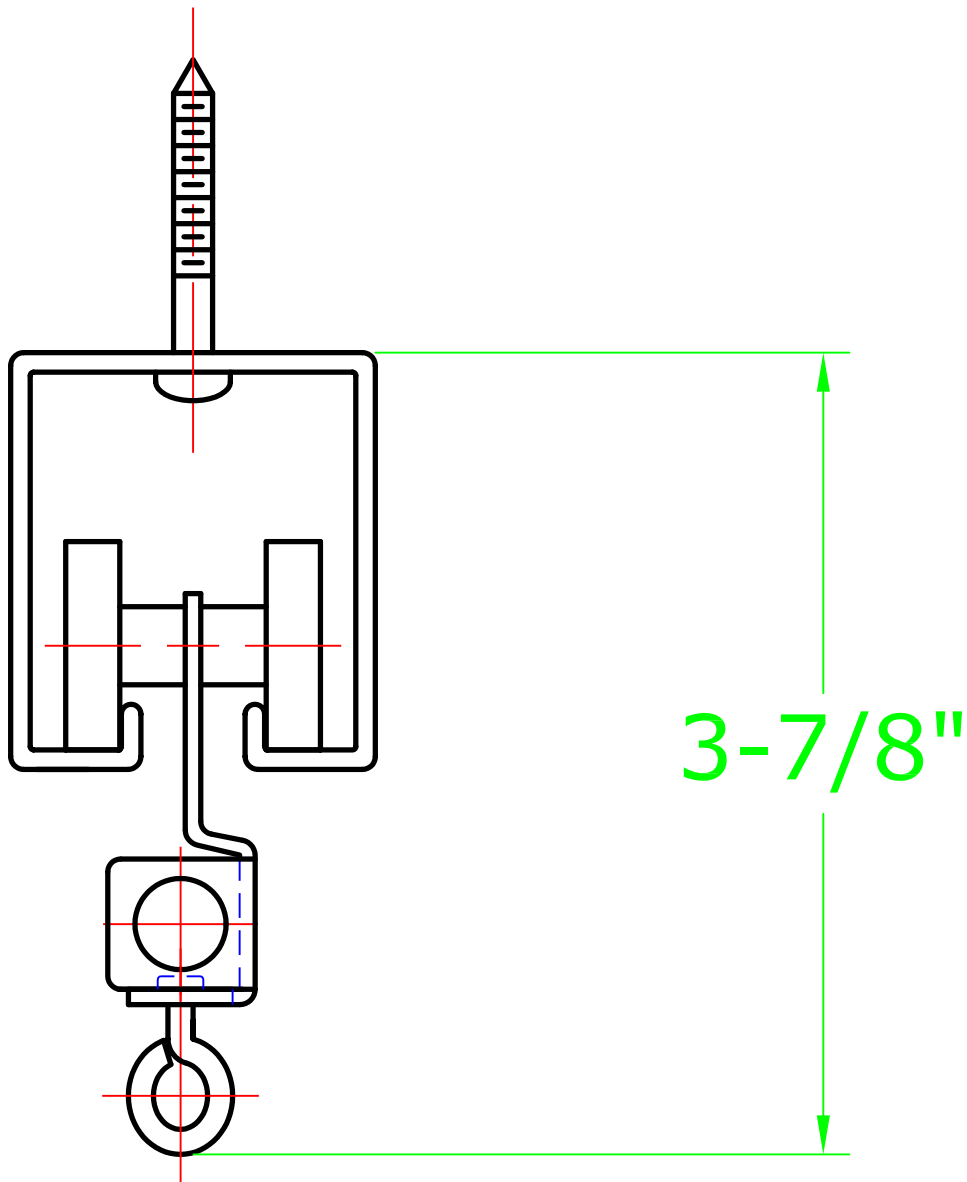
FORM NO.: 170BPHOS



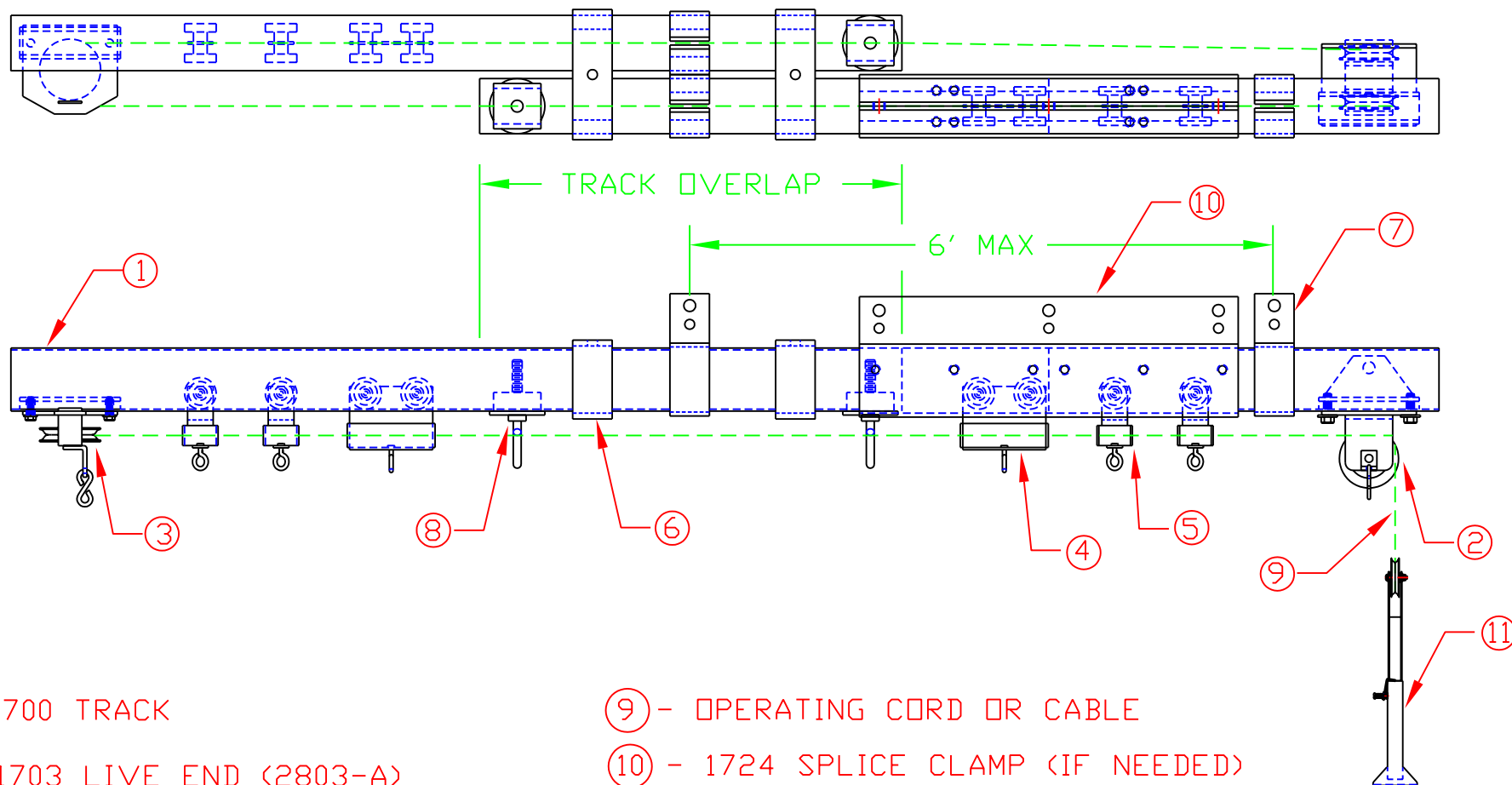
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SIZE	DATE	SERIES	MODEL 170
A	6/21/04		BESTEEL CURTAIN TRACK
DRAWN BY	APPROVED BY	DESCRIPTION	INSTALLATION DRAWING
JEK			BI-PART OPERATION (MANUAL)
SCALE 3/16=1	SHEET 1 OF 1	DWG NO.	II-170HOB1-1-04



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SIZE A	DATE 8/16/02	SERIES 170	
DRAWN BY JEK	APPROVED BY	DESCRIPTION 170 CEILING MOUNT	
SCALE NONE	SHEET 1 OF 1	DWG. NO. CAT-170CEIL-02	



① - 1700 TRACK

② - 1703 LIVE END (2803-A)

③ - 1704 DEAD END (2804)

④ - 1702 MASTER CARRIER (1738,1750)

⑤ - 1701 SINGLE CARRIER (1737,1749)

⑥ - 1707 LAP CLAMP

⑦ - 1708 HANGING CLAMP

⑧ - 1709 END STOP

⑨ - OPERATING CORD OR CABLE

⑩ - 1724 SPLICE CLAMP (IF NEEDED)

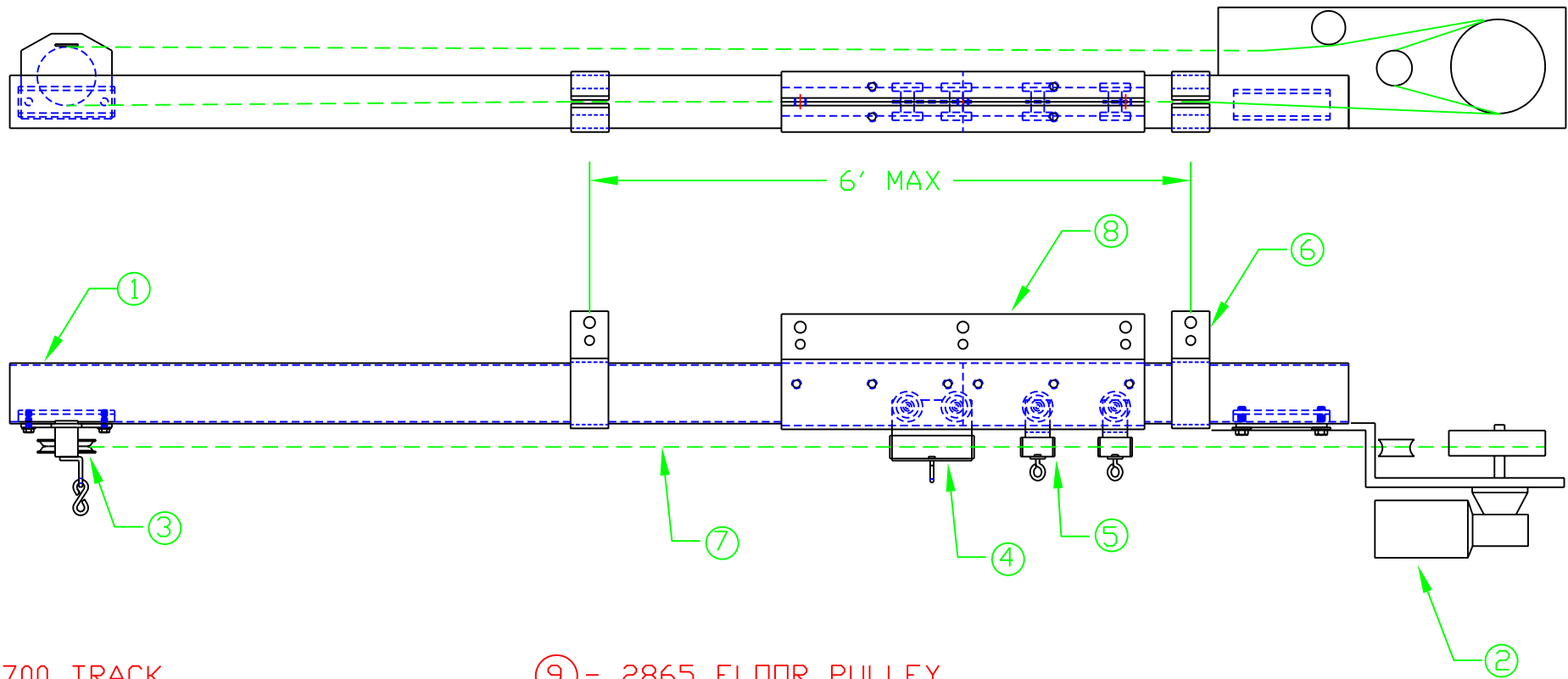
⑪ - 2865 FLOOR PULLEY (2805,2866,2866A)

(* ,*) DENOTES ALTERNATIVE COMPONENTS

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SIZE A	DATE 01/22/98	INSTALLATION INSTRUCTIONS	REV
DRAWN BY GAR	APPROVED BY	DESCRIPTION 170 BI-PARTING SUSPENDED SYSTEM	
SCALE NTS	SHEET 1 OF 1	DWG NO. II-170BPS-98	



- ① - 1700 TRACK

② - 2917 INLINE MACHINE

③ - 1704 DEAD END (2804)

④ - 1702 MASTER CARRIER (1738,1750)

⑤ - 1701 SINGLE CARRIER (1737,1749)

⑥ - 1708 HANGING CLAMP

⑦ - OPERATING CABLE

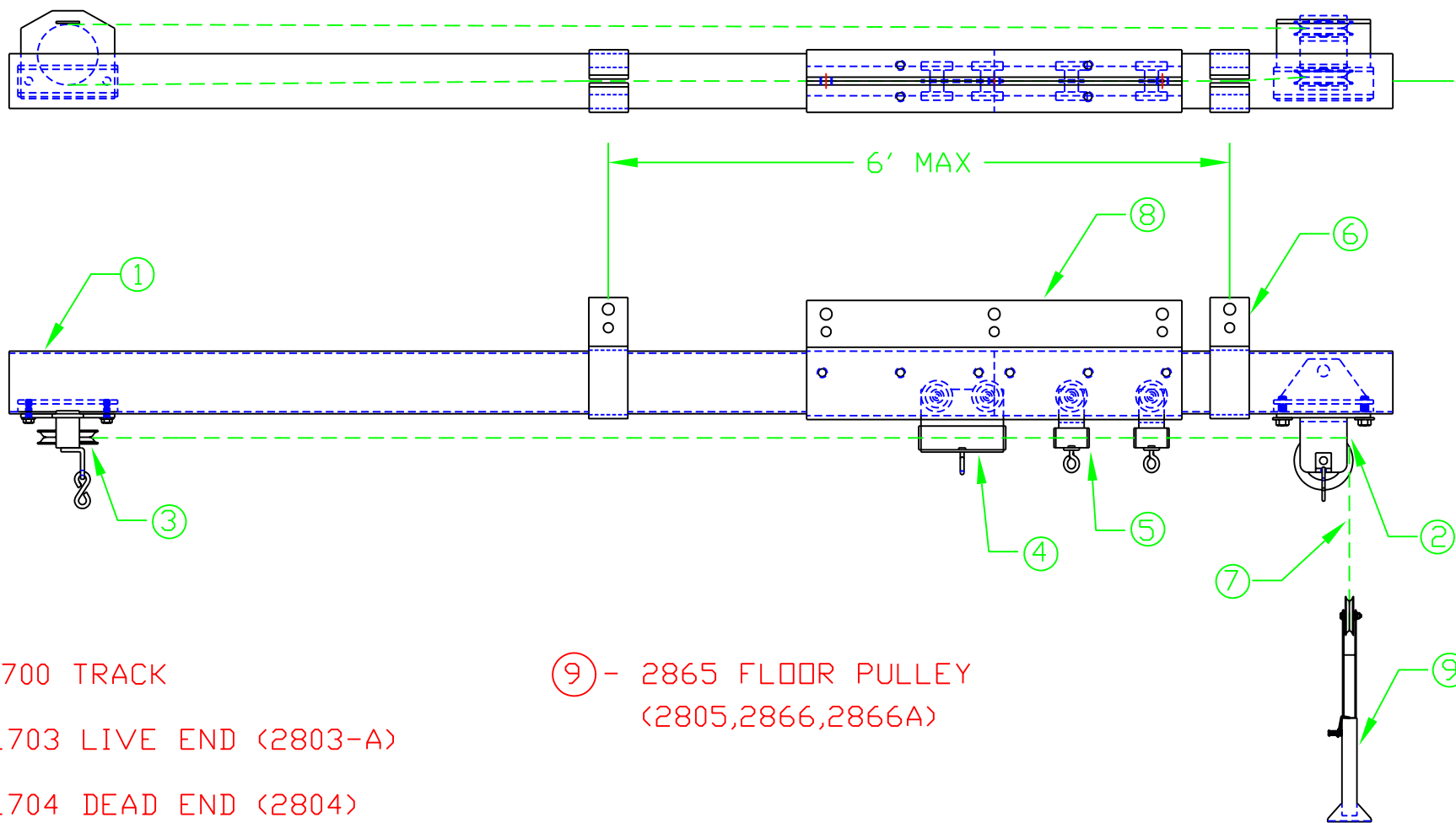
⑧ - 1724 SPLICE CLAMP (IF NEEDED)
- ⑨ - 2865 FLOOR PULLEY
(2805,2866,2866A)

(* ,*) DENOTES ALTER-
NATIVE COMPONENTS

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SIZE A	DATE 12/29/01	INSTALLATION INSTRUCTIONS	REV
DRAWN BY GAR	APPROVED BY	DESCRIPTION 170 ONE-WAY WITH 2917 MACHINE	
SCALE NTS	SHEET 1 OF 1	DWG NO. II-170SL2917-01	



- ① - 1700 TRACK
- ② - 1703 LIVE END (2803-A)
- ③ - 1704 DEAD END (2804)
- ④ - 1702 MASTER CARRIER (1738,1750)
- ⑤ - 1701 SINGLE CARRIER (1737,1749)
- ⑥ - 1708 HANGING CLAMP
- ⑦ - OPERATING CORD OR CABLE
- ⑧ - 1724 SPLICE CLAMP (IF NEEDED)

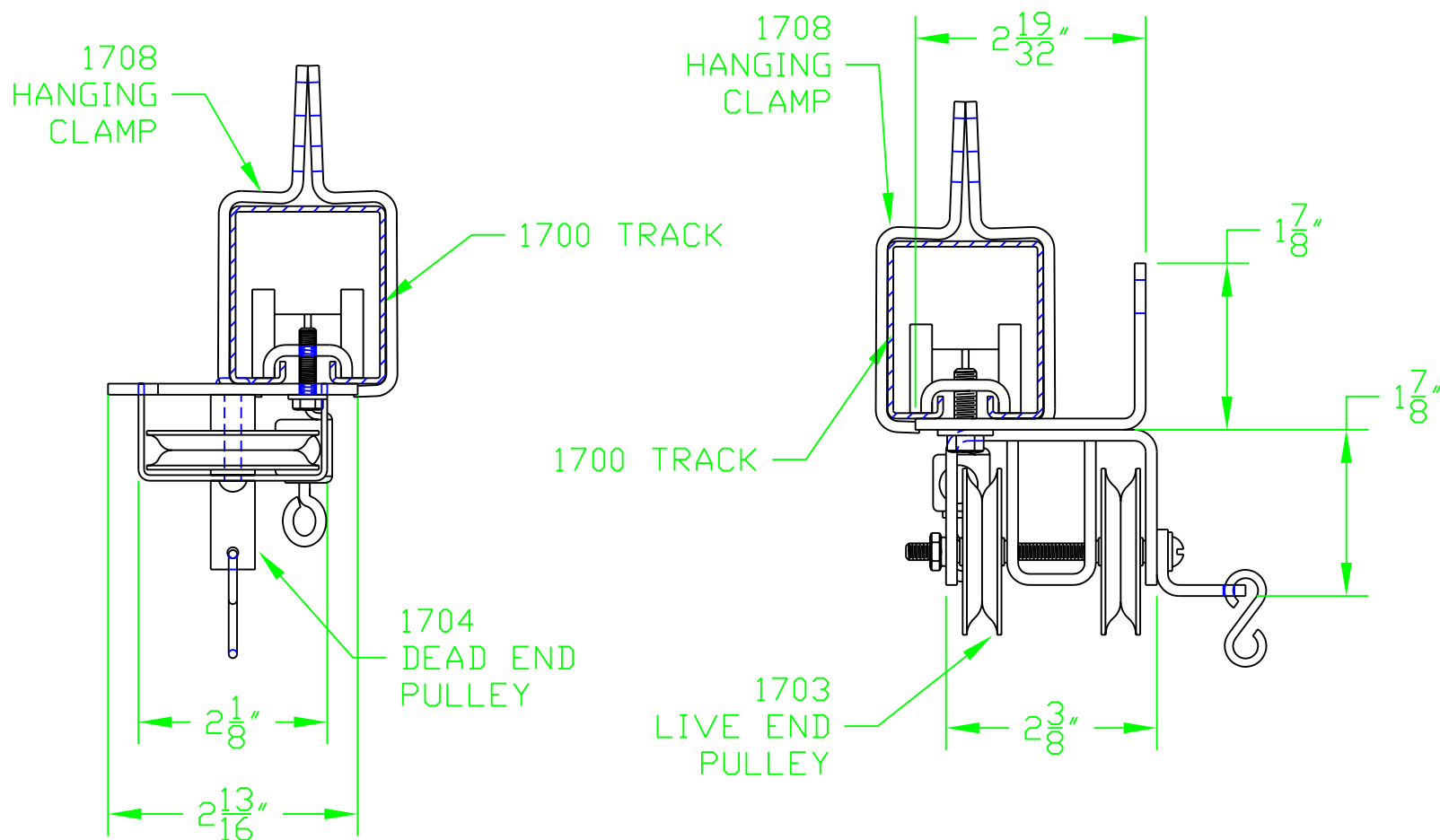
- ⑨ - 2865 FLOOR PULLEY
(2805,2866,2866A)

(* ,*) DENOTES ALTERNATIVE COMPONENTS

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SIZE A	DATE 05/29/98	INSTALLATION INSTRUCTIONS	REV
DRAWN BY GAR	APPROVED BY	DESCRIPTION 1700 TRACK ASSEMBLY	
SCALE NTS	SHEET 1 OF 1	DWG NO. II-170SL-98	

REV

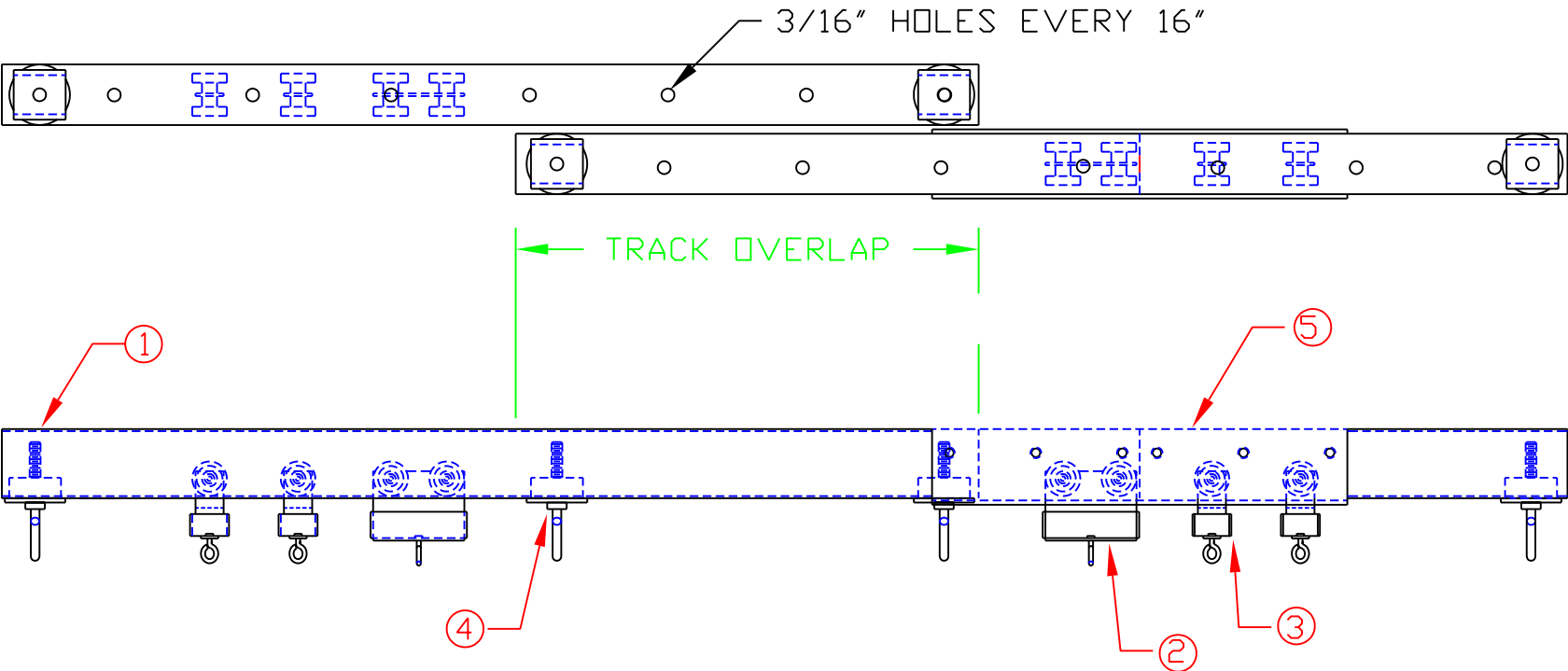
DATE:



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.

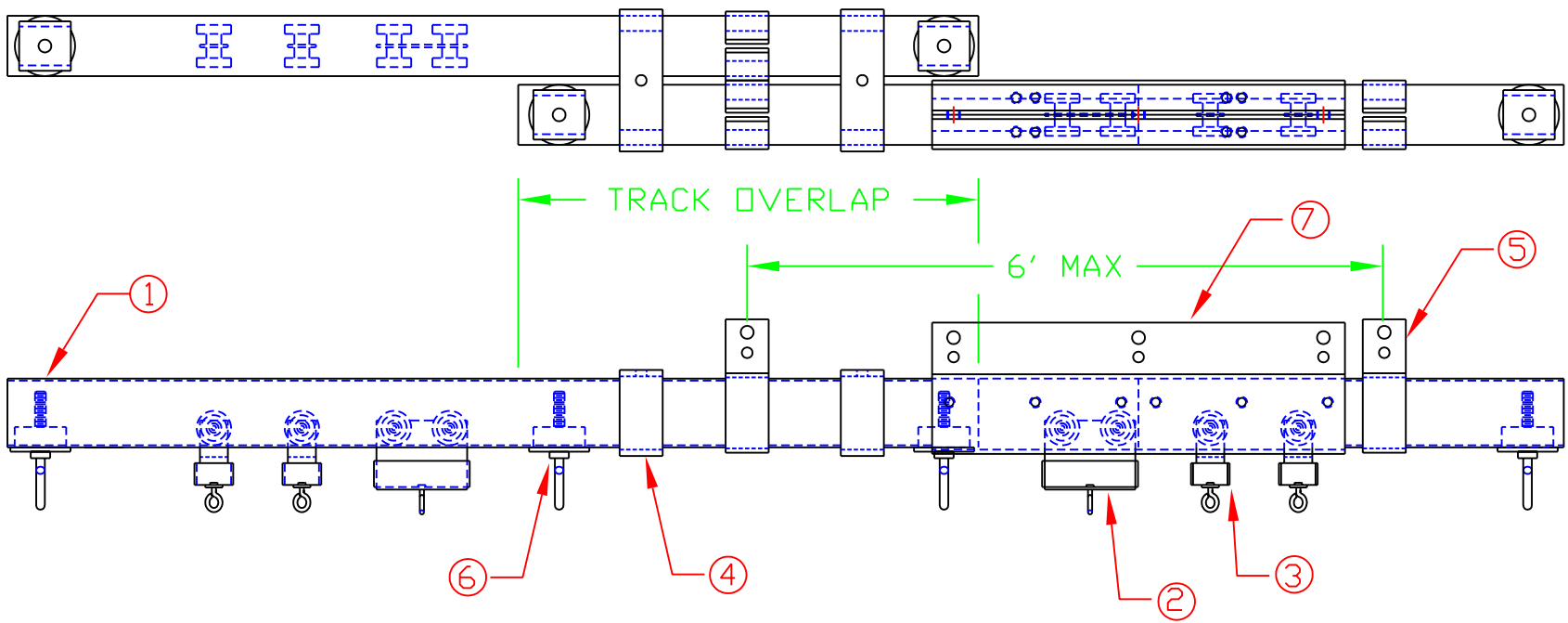
SIZE A	DATE 07/28/98	INSTALLATION INSTRUCTIONS	REV
DRAWN BY GAR	APPROVED BY	DESCRIPTION 1703 & 1704 END VIEW	
SCALE 1/2"=1"	SHEET 1 OF 1	DWG NO. II-170SEC-98	



- ① - 1700 TRACK
- ② - 1702 MASTER CARRIER (1738,1750)
- ③ - 1701 SINGLE CARRIER (1737,1749)
- ④ - 1709 END STOP
- ⑤ - 2624 SPLICE CLAMP (IF NEEDED)

(* ,*) DENOTES ALTER-NATIVE COMPONENTS

AUTOMATIC DEVICES COMPANY 2121 S. 12TH ST. ALLENTOWN, PA 18103				
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SIZE	DATE	INSTALLATION INSTRUCTIONS		REV
A	01/04/02			
DRAWN BY	APPROVED BY	DESCRIPTION 173 BI-PARTING CEILING MOUNTED		
GAR				
SCALE	NTS	SHEET	1 OF 1	DWG NO. II-173BPC-02



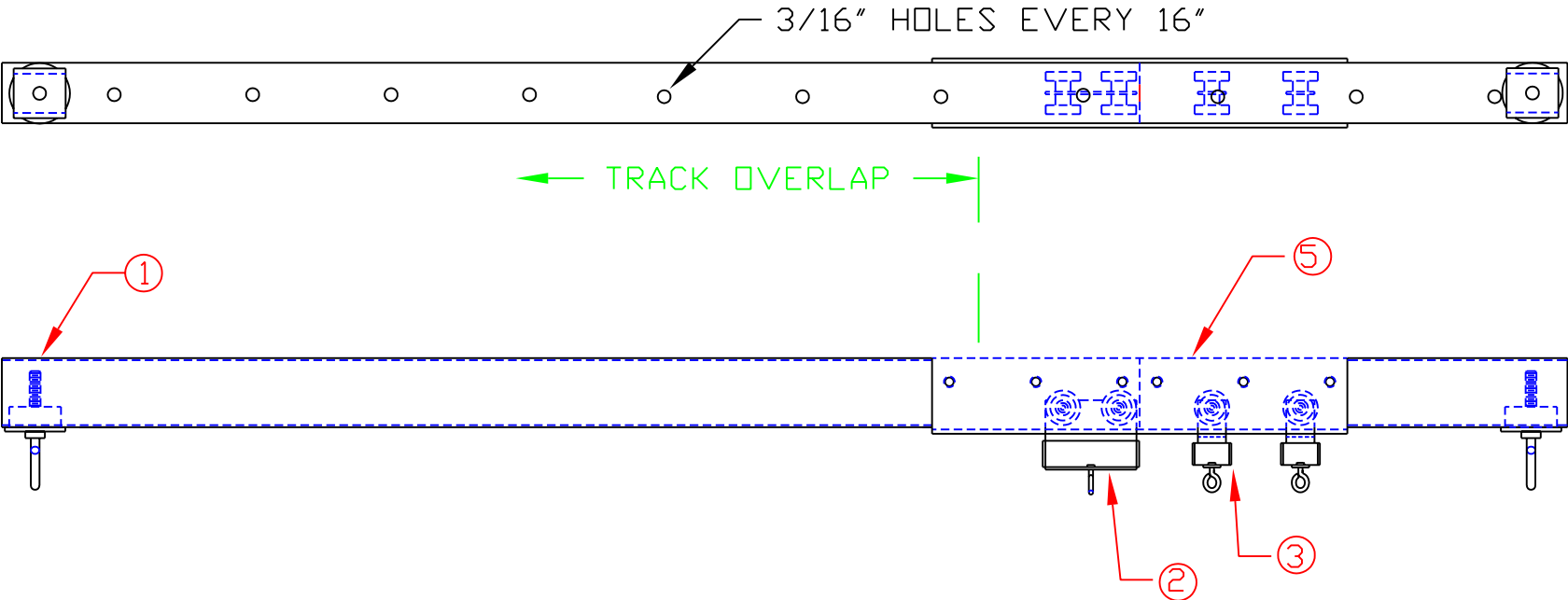
- ① - 1700 TRACK
- ② - 1702 MASTER CARRIER (1738,1750)
- ③ - 1701 SINGLE CARRIER (1737,1749)
- ④ - 1707 LAP CLAMP
- ⑤ - 1708 HANGING CLAMP
- ⑥ - 1709 END STOP
- ⑦ - 1724 SPLICE CLAMP (IF NEEDED)

(* ,*) DENOTES ALTER-NATIVE COMPONENTS

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

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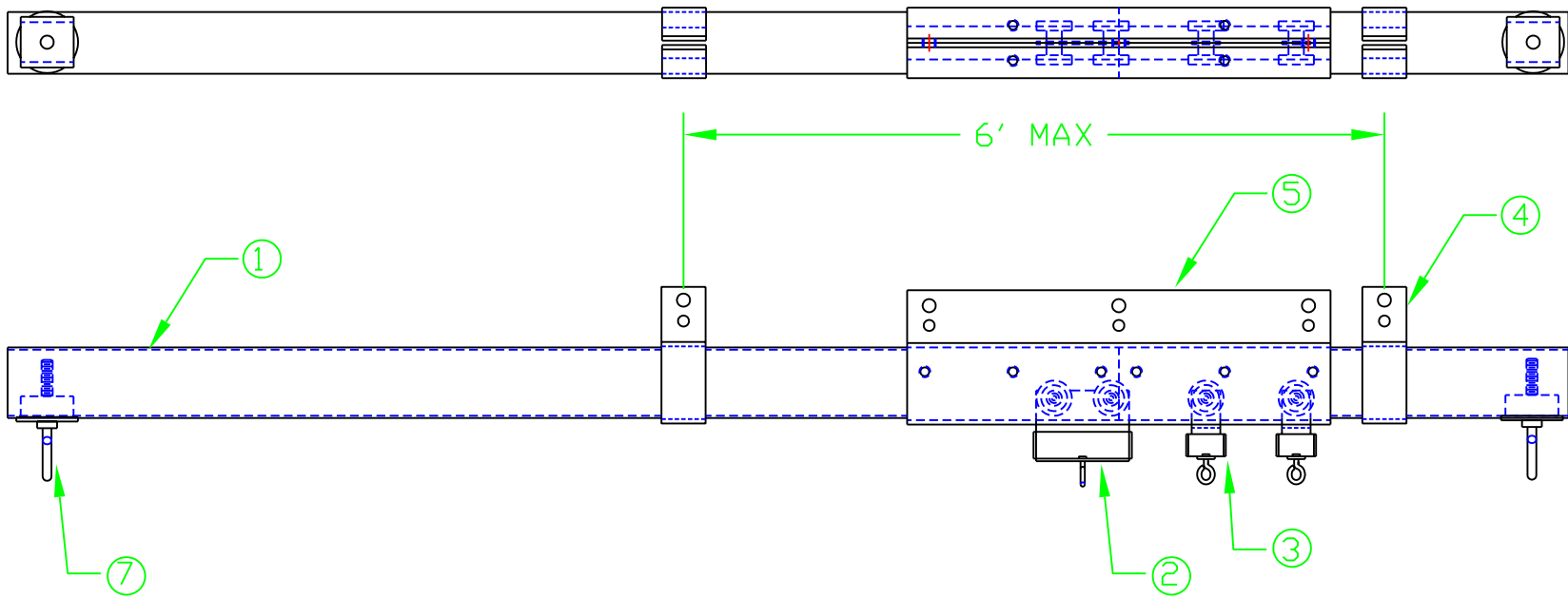
SIZE A	DATE 01/04/02	INSTALLATION INSTRUCTIONS	REV
DRAWN BY GAR		DESCRIPTION 173 BI-PARTING SUSPENDED SYSTEM	
SCALE NTS		SHEET 1 OF 1	DWG NO. II-173BPS-02



- ① - 1700 TRACK
- ② - 1702 MASTER CARRIER (1738,1750)
- ③ - 1701 SINGLE CARRIER (1737,1749)
- ④ - 1709 END STOP
- ⑤ - 2624 SPLICE CLAMP (IF NEEDED)

(* ,*) DENOTES ALTER-NATIVE COMPONENTS

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SIZE	DATE	INSTALLATION	REV
A	01/04/02	INSTRUCTIONS	
DRAWN BY	APPROVED BY	DESCRIPTION	
GAR		CEILING MOUNTED 173 LEG OPERATION	
SCALE	NTS	SHEET	DWG NO.
		1 OF 1	II-173CL-02



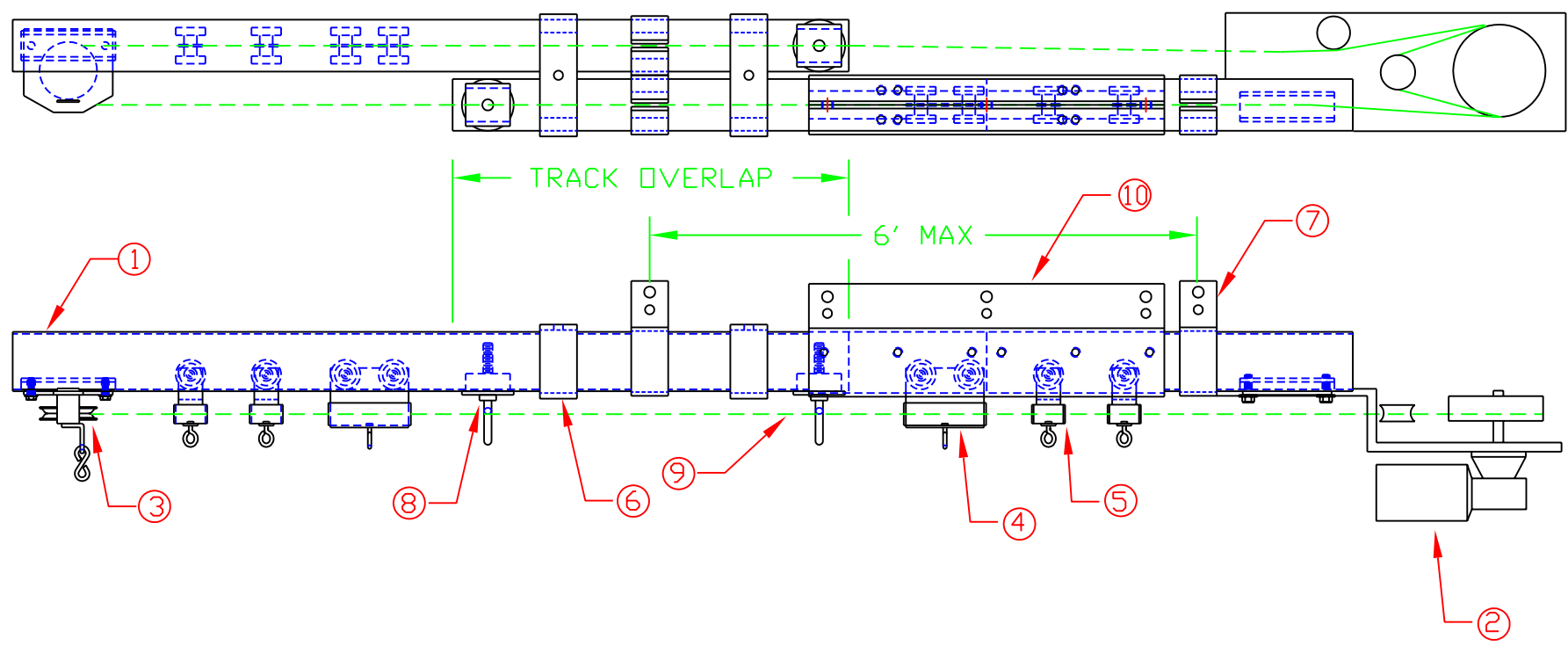
- ① - 1700 TRACK
- ② - 1702 MASTER CARRIER (1738,1750)
- ③ - 1701 SINGLE CARRIER (1737,1749)
- ④ - 1708 HANGING CLAMP
- ⑤ - 1724 SPLICE CLAMP (IF NEEDED)
- ⑦ - EYE-BOLT

(*,*) DENOTES ALTER-NATIVE COMPONENTS

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SIZE A	DATE 01/05/02	INSTALLATION INSTRUCTIONS	REV
DRAWN BY GAR		APPROVED BY	DESCRIPTION 173 SUSPENDED LEG OPERATION
SCALE NTS		SHEET 1 OF 1	DWG NO. II-173SL-02



- ① - 1700 TRACK

② - 2917 INLINE MACHINE

③ - 1704 DEAD END (2804)

④ - 1702 MASTER CARRIER (1738,1750)

⑤ - 1701 SINGLE CARRIER (1737,1749)

⑥ - 1707 LAP CLAMP

⑦ - 1708 HANGING CLAMP

⑧ - 1709 END STOP
- ⑨ - OPERATING CABLE

⑩ - 1724 SPLICE CLAMP (IF NEEDED)
- (*,*) DENOTES ALTERNATIVE COMPONENTS

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SIZE	DATE	INSTALLATION INSTRUCTIONS	REV
A	12/22/01		
DRAWN BY	APPROVED BY	DESCRIPTION 170 BI-PARTING WITH 2917 MACHINE	
GAR			
SCALE NTS	SHEET 1 OF 1	DWG NO. II-170BP2917-98	

