



Manual Side Wall System

Hired-Hand Green, Inc.
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Bremen, AL 35033

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*Please Read All Instructions In This Manual
Before Starting Assembly*

1. Specifications

Standard systems may have any combination of the following heights and lengths.

Three system HEIGHTS are standard:

10 ft.	11 ft. 5 inches	12 ft.
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Six system LENGTHS are standard:

6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	12 ft.
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(NOTE: System length is equal to total length of assembly divided by the number of systems installed).

2. Warnings

WARNING!

Dangerous Rotating Machinery.
Keep Hands, Clothing, Etc. Clear When Operating.
Do Not Operate Without All Guards And Covers In Place.

3. Limited Warranty

All products are warranted to be free from defects in material and workmanship for a period of one year from the date of purchase if installed and used in strict accordance with the installation instructions. Liability is limited to the sale price of any products proved to be defective or, at manufacturers option, to the replacement of such products upon their return. No products are to be returned to the manufacturer, until there is an inspection and/or a return-goods authorization (RGA) number is issued.

All complaints should be directed first to the authorized distributor who sold the product. If satisfaction is not obtained or the name of the distributor is not known, write the manufacturer that appears below, directed to the attention of Customer Service Manager.

This limited warranty is expressly in lieu of any and all representations and warranties expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose. The remedy set forth in this limited warranty shall be the exclusive remedy available to any person. No person has authority to bind the manufacturer to any representation or warranty other than this limited warranty. The manufacturer shall not be liable for any consequential damages resulting from the use of our products or caused by any defect, failure or malfunction of our products. (Some areas do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.)

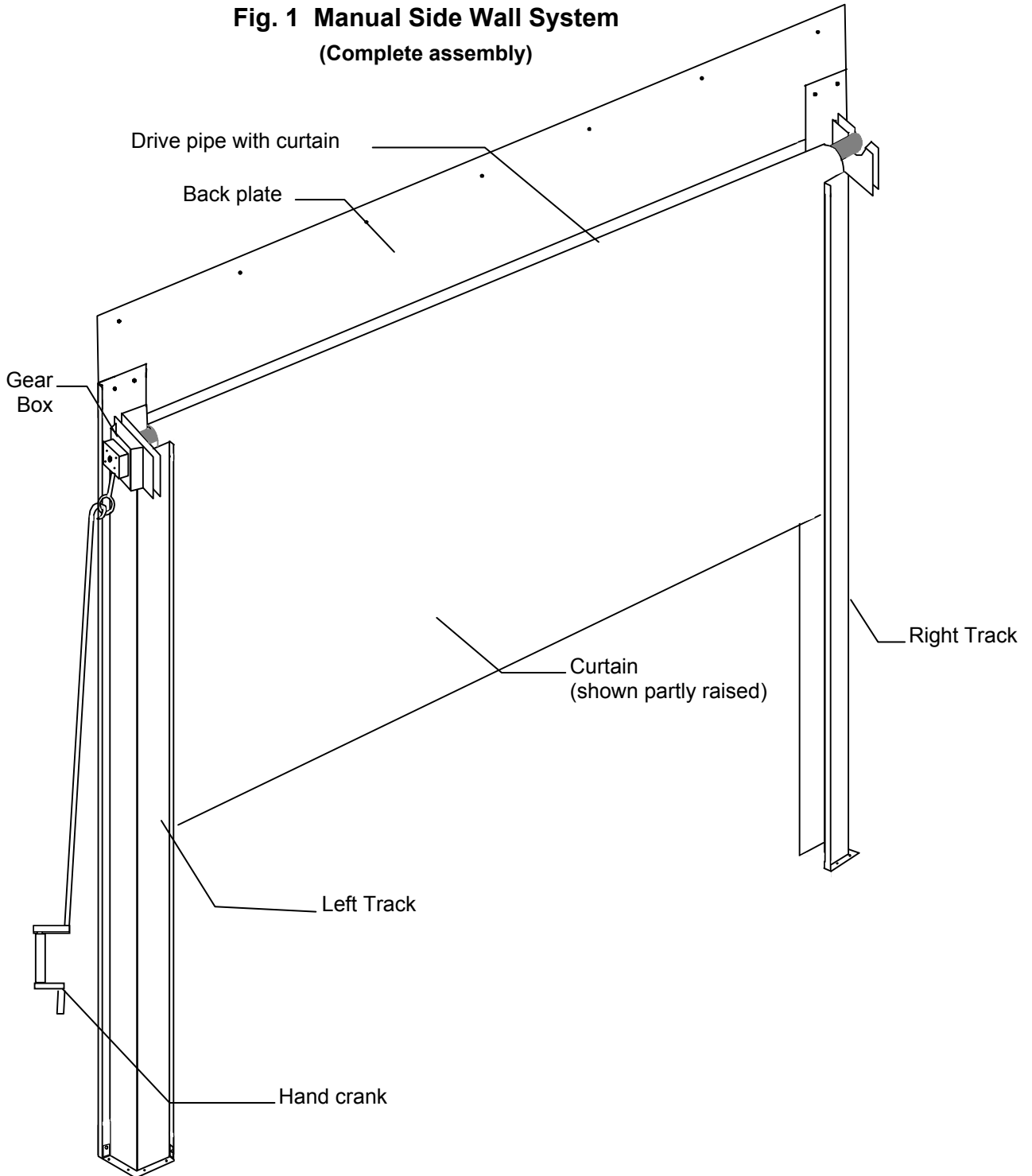
This warranty gives you specific legal rights and you may also have other rights that vary from area to area.

Warrantor:

Hired-Hand Green, Inc.
PO Box 98
Bremen, AL 35033

4. Physical Description/Drawing

The side wall curtain system (Fig. 1) consists of vertical members, back plate, drive pipe with attached curtain, and gear box operated by a hand crank. Each side wall curtain system covers a clear opening of a building.



5. Use of Equipment

A side wall curtain system is a manually operated curtain enclosure for a horticultural building.

6. Installation

6.1 Tools Required

3/8 in. power screwdriver	Carpenter's level
3/16 in. drill bit and power drill	Hammer
Pop rivet gun	Chalk line
Ladder	Tape measure

6.2 Materials List Per Unit

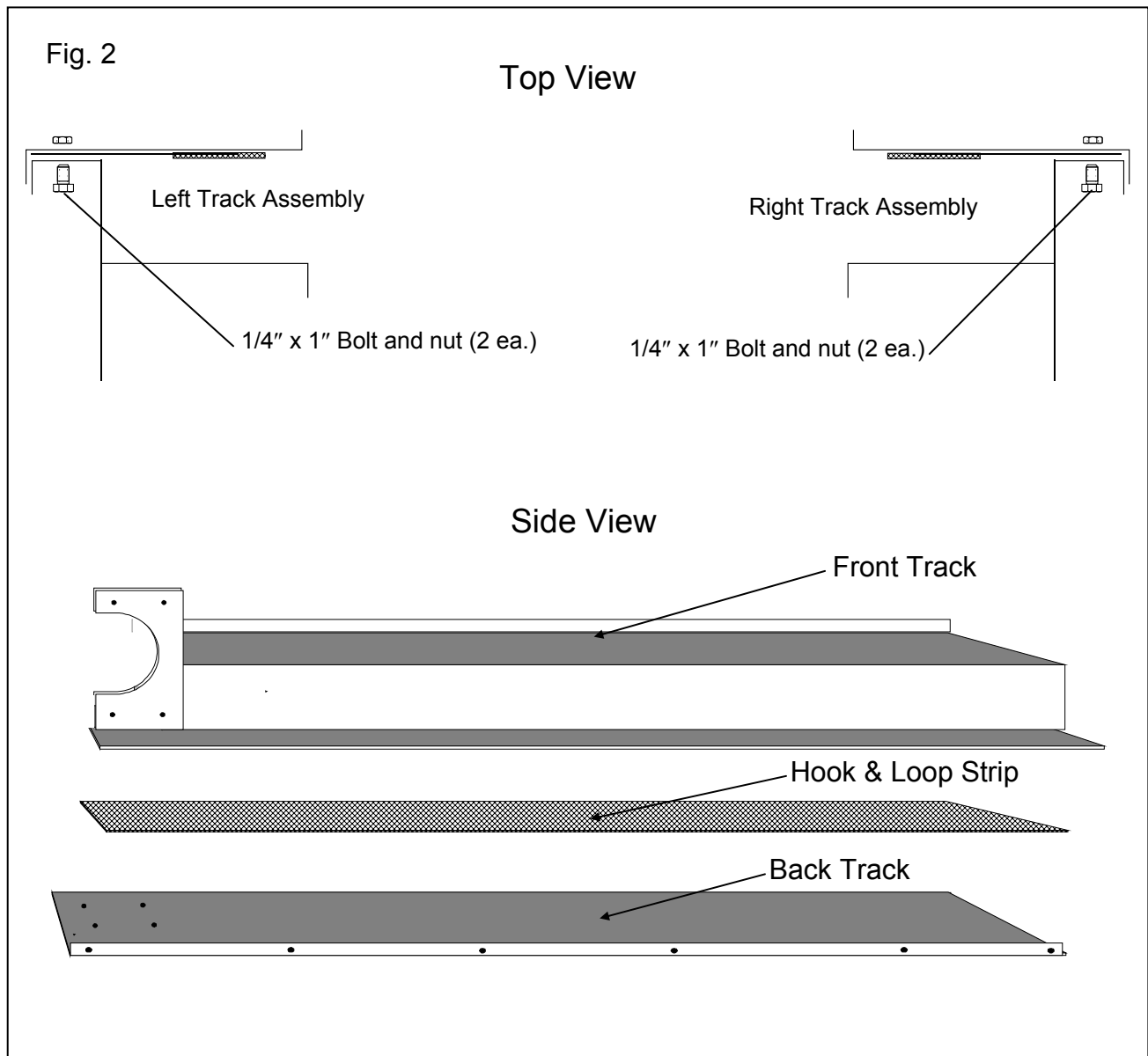
Description	Quantity (ea.)	Material Type
Back plate	1	Galvanized Steel
Left Back Track	1	Galvanized Steel
Right Back Track	1	Galvanized Steel
Left Front Track	1	Galvanized Steel
Right Front Track	1	Galvanized Steel
Left Roller Support Bracket	1	Galvanized Steel
Right Roller Support Bracket	1	Galvanized Steel
Gear Box Mounting Bracket	1	Galvanized Steel
Left Track Baseplate	1	Galvanized Steel
Right Track Baseplate	1	Galvanized Steel
2.5" O. D. Drive Pipe Assembly	1	Galvanized Steel
2.375" O.D. Tension Bar	1	Galvanized Steel
1.6" O.D. Tension Bar	1	Galvanized Steel
Drive Pipe Slide	1	Nylon
Fabric Curtain Panel	1	Woven Polyethylene
Floating Hooks & Loops Strip	2	Nylon on Woven Polyethylene
8mm x 1/2" Bolt	4	Zinc-Coated Steel
1/4" x 3/4" Bolt	22	Zinc-Coated Steel
1/4" x 1" Bolt	8	Zinc-Coated Steel
Hammer –set Anchors	4	Zinc-Coated Steel
1/4" Lock Nut	34	Zinc-Coated Steel
3/32" Cotter Pin	2	Zinc-Coated Steel
1/8" Pop Rivet Stainless Steel	3	Stainless Steel
#14 x 1" Tek Screw	9	Zinc-Coated Steel

6.3 Assembling Left And Right Track Vertical Members

Refer to Fig. 2.

NOTE: Complete assembly of components in sections 6.3, 6.4, and 6.5 are to be done while unit is on the ground.

1. Each vertical member (left track or right track) has a front track, back track and floating hook & loop strip. Lay pieces to be assembled on ground in front of clear opening.
2. Assemble parts together using 1/4" x 1" bolts and lock nuts. Make sure that the hook & loop strip is installed between front track and back track pieces as shown.
3. Assemble one left track and one right track per system.



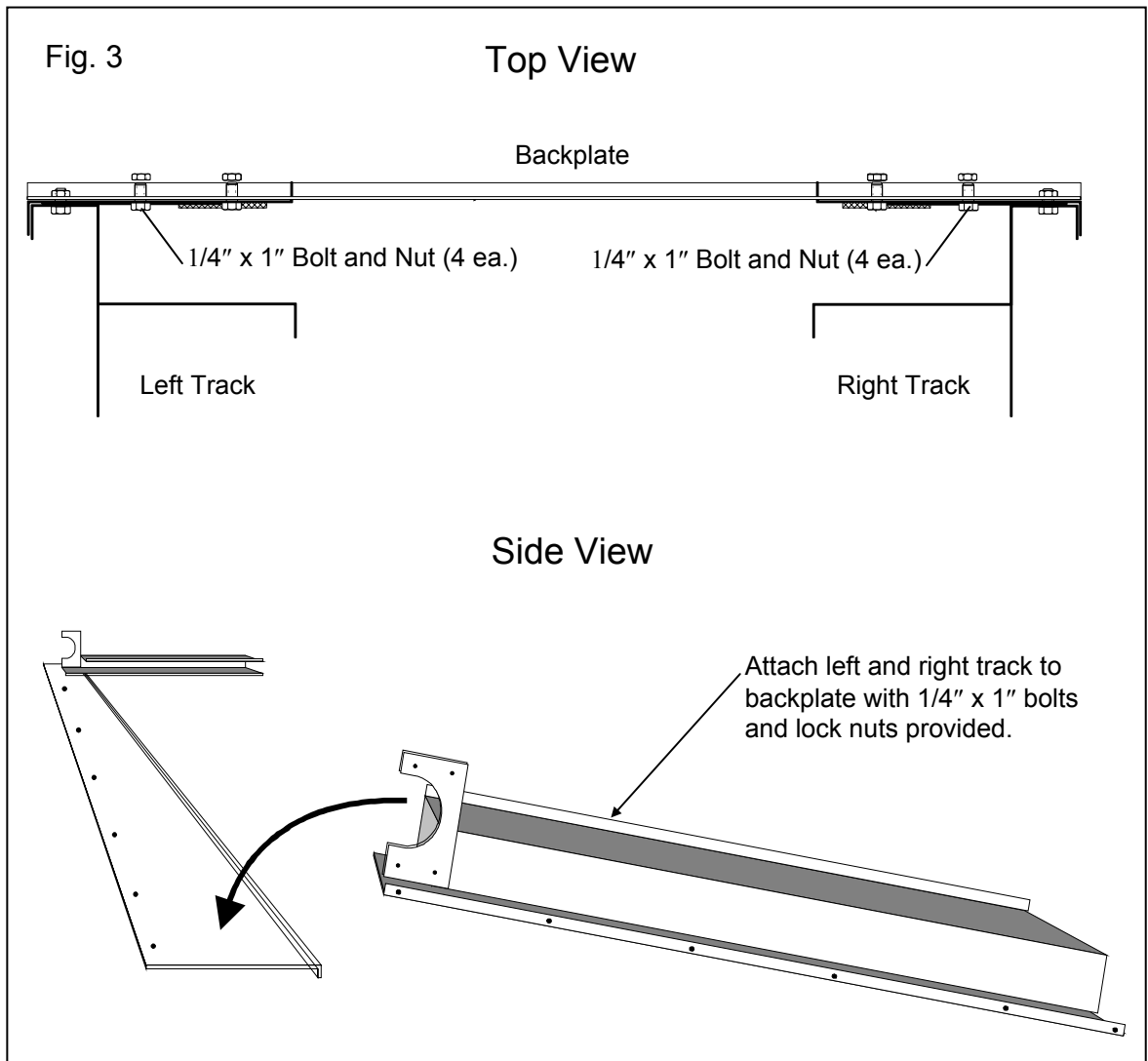
6.4 Attaching Vertical Members To Backplate

Refer to Fig. 3.

1. Lay backplate horizontal in front of clear opening.
2. Align left or right vertical member with respective end of backplate as shown. Loosely fasten vertical member to backplate with one 1/4" x 1" bolt and nut. Repeat for remaining vertical member.

NOTE: Make sure that vertical members are positioned on backplate so that holes in backplate will align with the canopy beam and backplate will be level when assembly is raised into position.

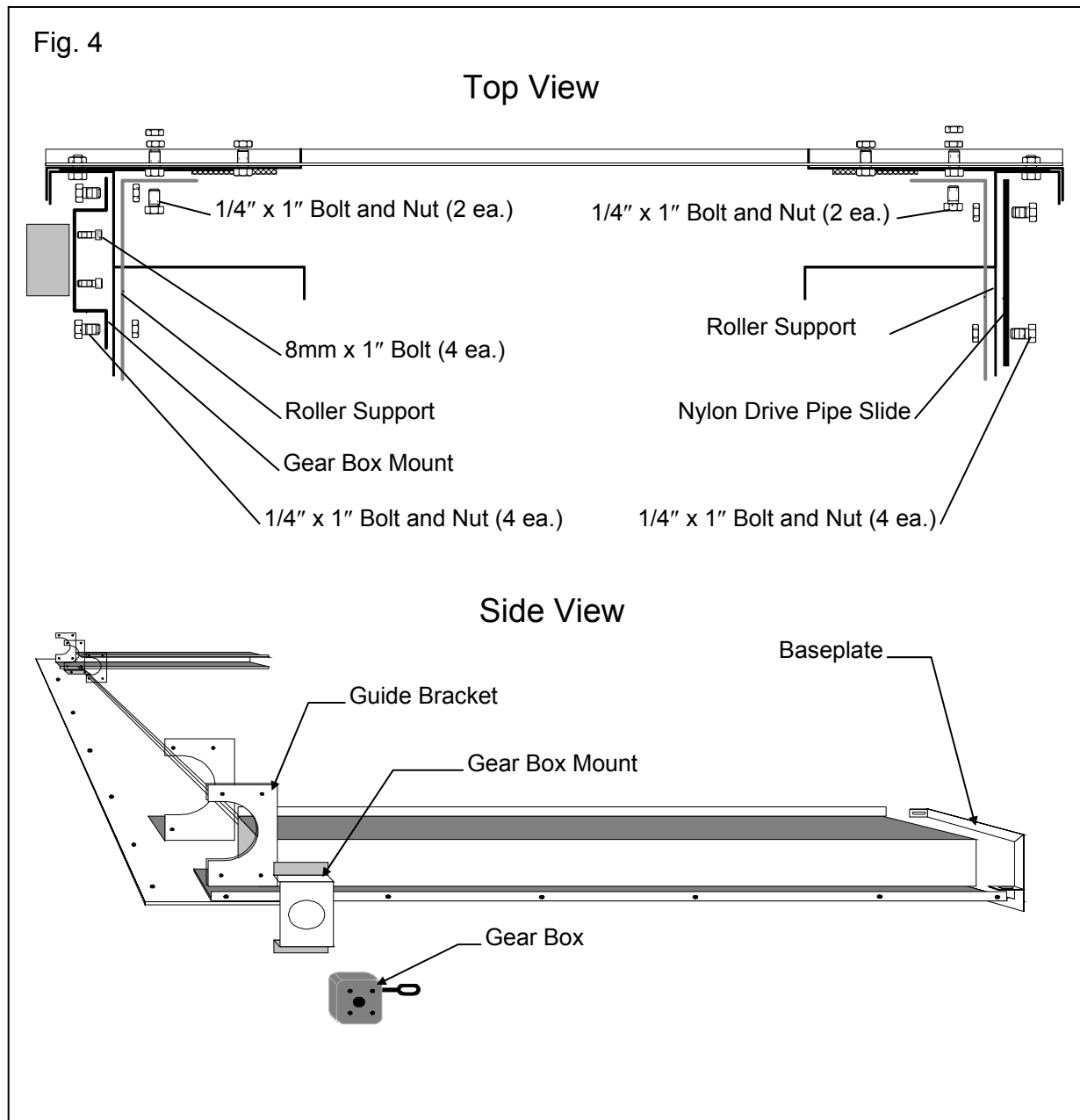
3. Square vertical member with corner of backplate. Measure diagonally to ensure that vertical members are plumb.
4. Install remaining 1/4" x 1" bolts and nuts to securely fasten vertical members to backplate.



6.5 Attaching Roller Support, Gear Box, And Baseplate

Refer to Fig. 4.

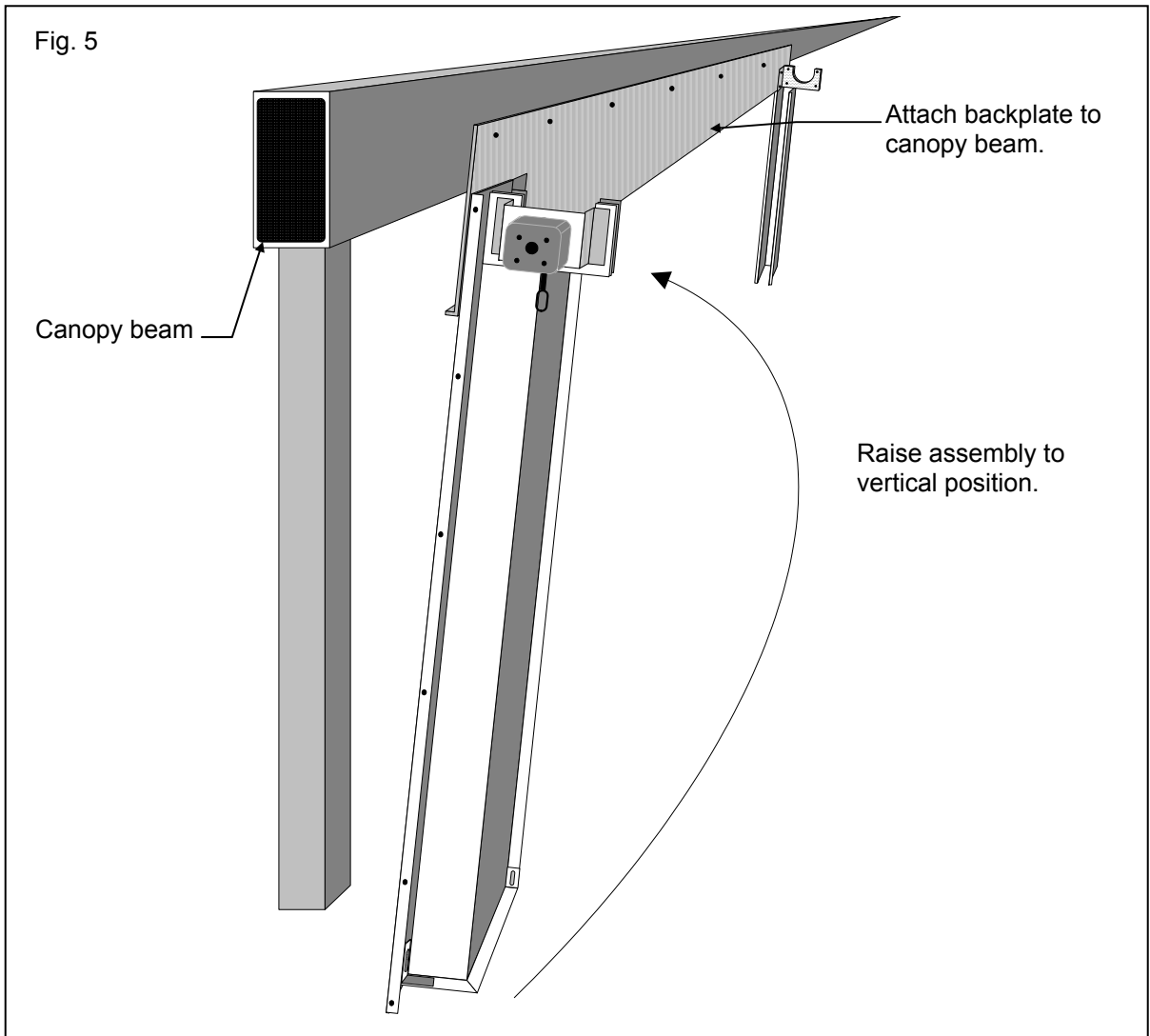
1. Attach roller support to inside of guide bracket. Fasten roller support with 1/4" x 1" bolts and nuts (2 per roller support).
2. Attach the gear box mounting bracket, and nylon drive pipe slide as shown with 1/4" x 1" bolts and lock nuts provided.
3. Attach gear box to mounting bracket with 8mm x 1" bolts.
4. Attach baseplate to each vertical member with 1/4" x 1" bolts and nuts.



6.6 Attaching Assembly To Canopy Beam

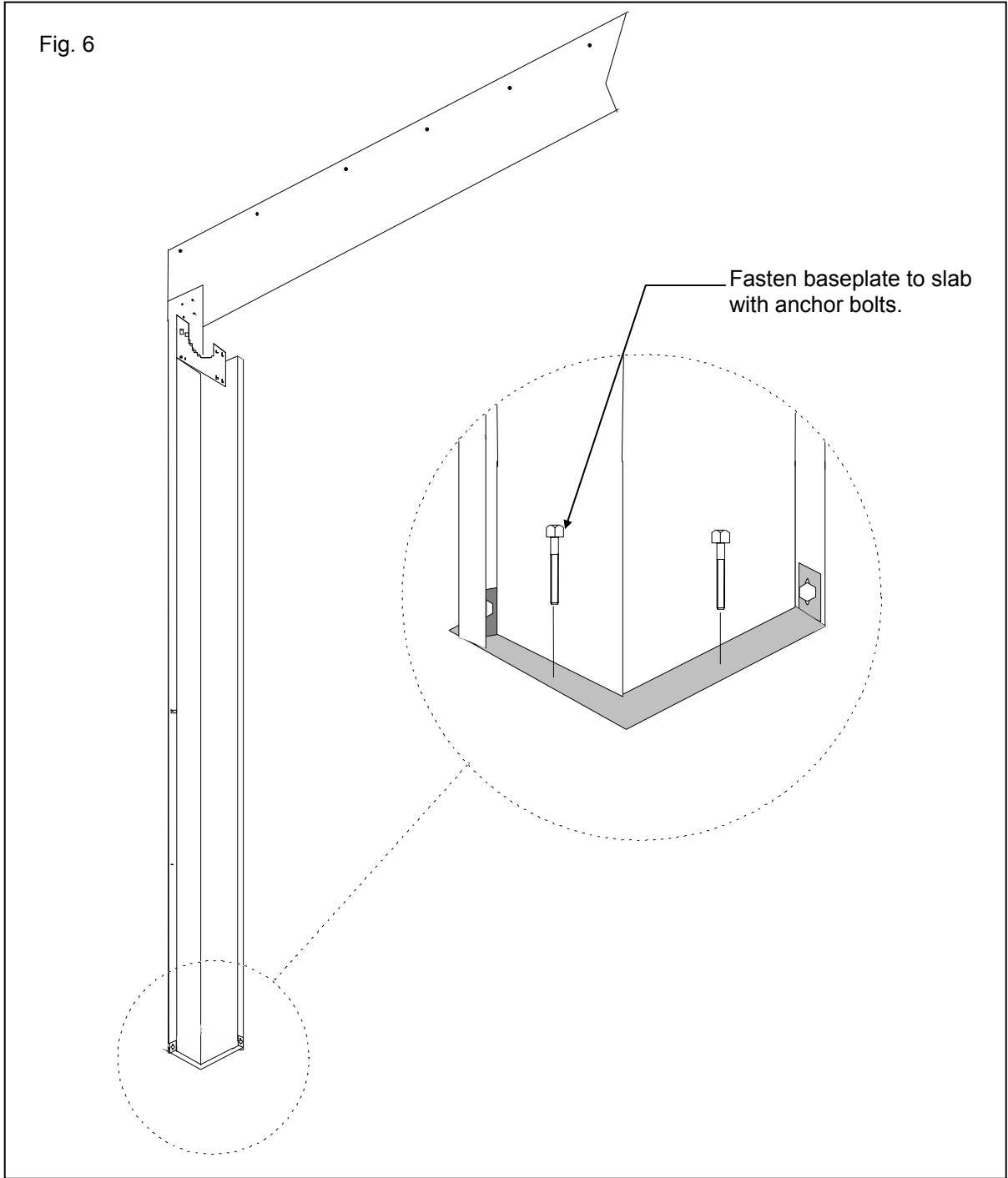
Refer To Fig. 5

1. Canopy beam must be level. Make any required leveling adjustments to canopy beam.
2. Determine starting location of units. Position assembled unit in front of the clear opening. Carefully raise assembly to a vertical position with the backplate against the canopy beam as shown. Make sure that backplate is level.
3. Fasten the backplate to the canopy beam with #14 x 1" Tek screws.
4. Measure diagonally between vertical members to ensure that vertical members are plumb. Make any required adjustments.
5. Repeat steps 2-4 for each unit installed. Allow left track and right track of adjacent units to abut.



6.7 Anchoring Vertical Members To Slab

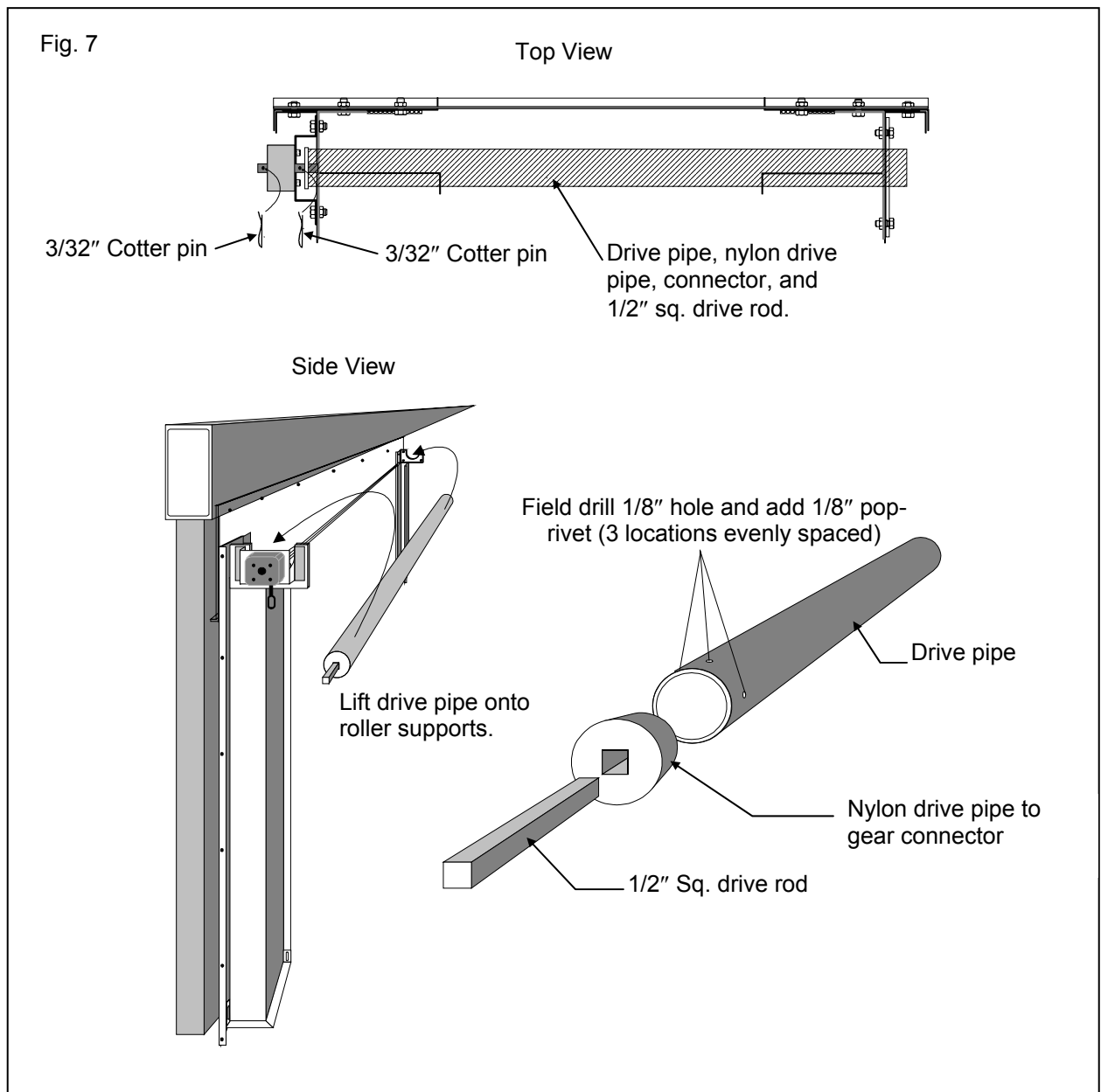
Attach baseplates to concrete slab with hammer-set anchors as shown in Fig. 6.



6.8 Drive Pipe Installation

Refer to Fig. 7

1. Assemble the drive pipe as shown below.
2. Connect sections of nylon drive pipe together by inserting nylon connector at pipe joints and connecting with 1/8" pop-rivets.
3. At gear box end of drive pipe, install a nylon drive pipe to gear box connector and insert a 1/2" square drive rod into the gear connector.
4. Insert square rod through gear unit and allow drive tube to rest on roller support.
5. Insert two cotter pins into square drive rod and flair ends of cotter pins as shown.



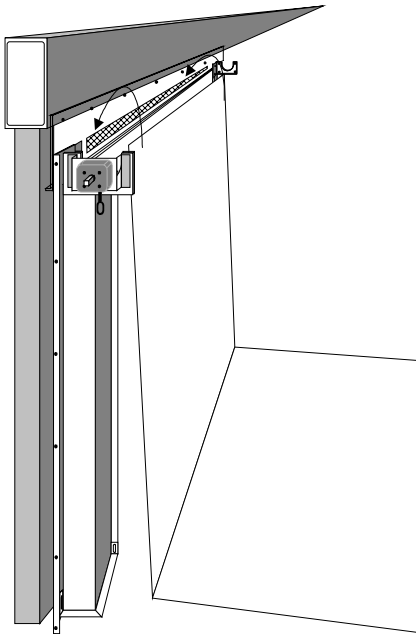
6.9 **Curtain Installation**

Refer to Fig. 8a, b, c.

1. Center curtain at the back plate. Line up the hook & loop strip on the curtain with the hook & loop strip on the back plate (Fig. 8a).
2. Drop curtain to the ground. Raise bottom of curtain up to the drive pipe. Center curtain on drive pipe and secure hook & loop strip (Fig. 8b).
3. Insert small tension bar into fold at bottom of curtain. Gently place one side of curtain and bar into track.
4. Lift opposite side of curtain and bar and insert into opposite track.
5. Tuck curtain fabric into track top to bottom on each side.

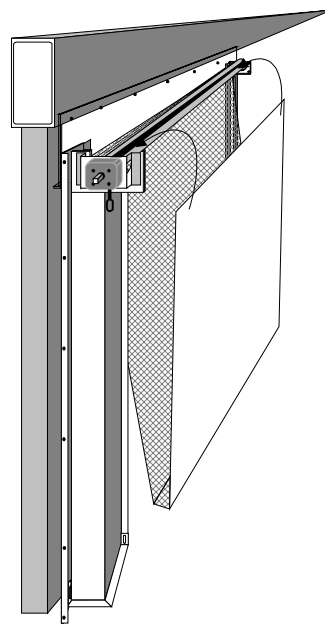
Curtain installation instructions continued on next page. →

Fig. 8a



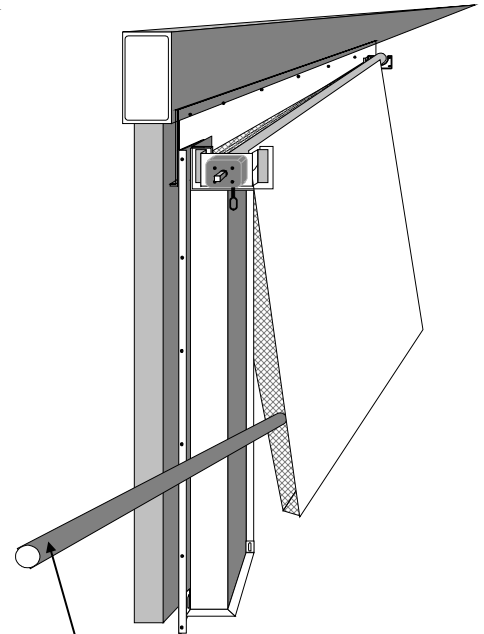
Attach hook & loop strip of curtain to hook & loop strip of backplate.

Fig. 8b



Attach hook & loop strip of curtain to hook & loop strip of drive pipe.

Fig. 8c



Insert large tension bar into fold of curtain.

Curtain Installation (Continued)

6. Insert end of small tension bar into opposite side of track. The small tension bar will be on the outside of the curtain panel (Fig. 9).
7. Roll up curtain with hand crank, then lower curtain to the ground with curtain resting lightly on the ground. This action will reset the curtain and ensure proper operation.
8. Check that the hook & loop strips seal evenly between track and curtain.
9. System completed (Fig. 10).

Fig. 9

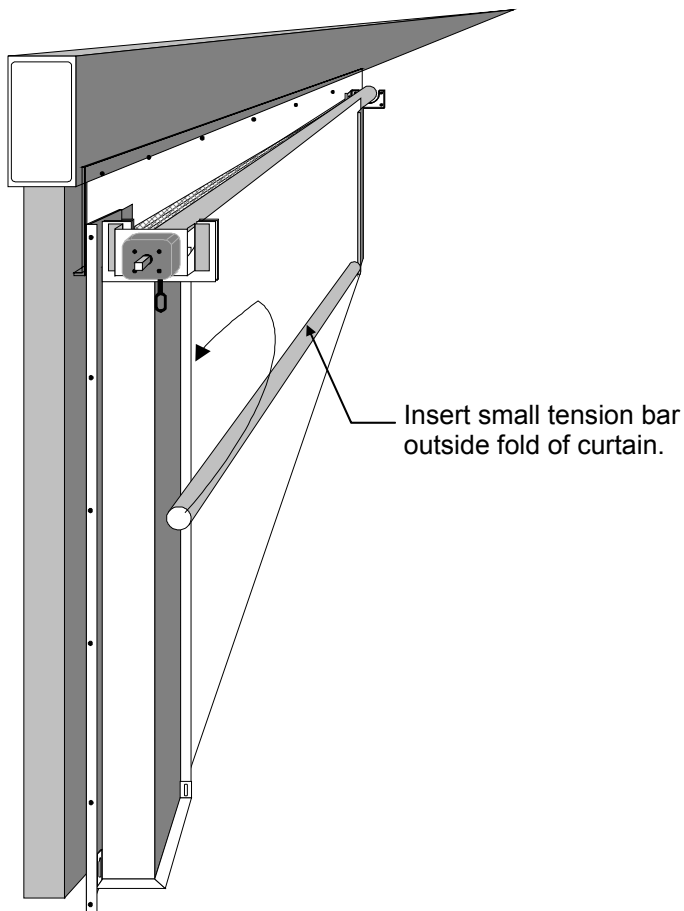
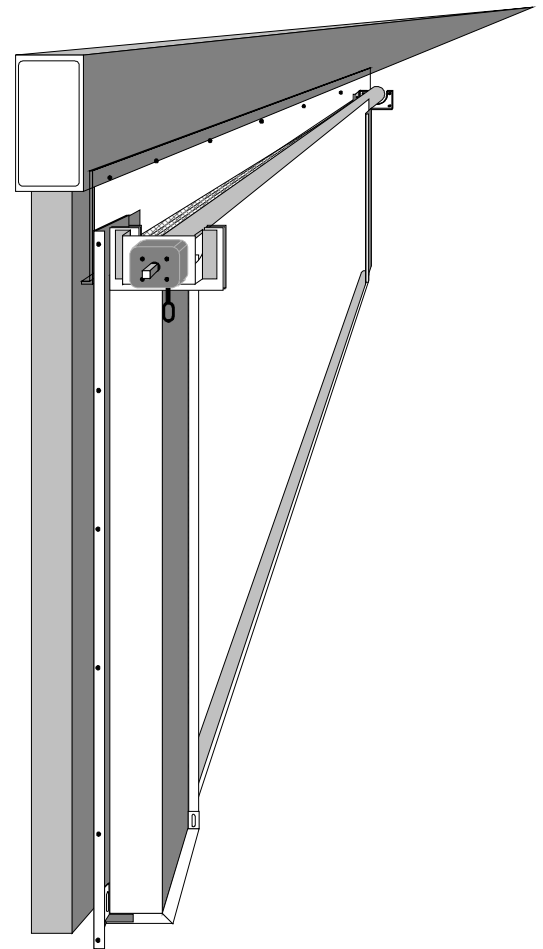
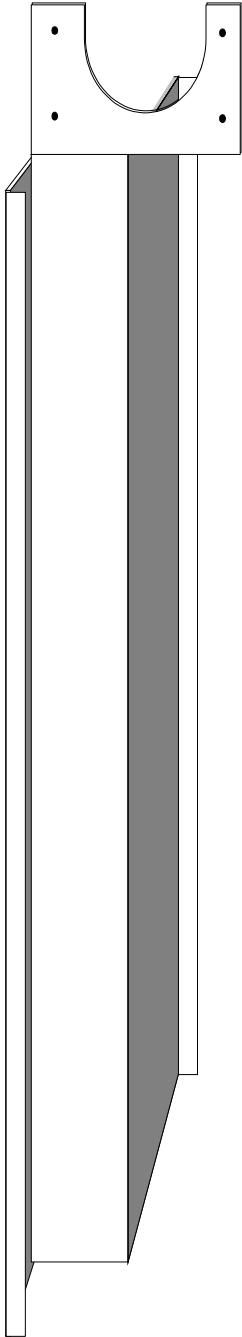


Fig. 10 System Completed

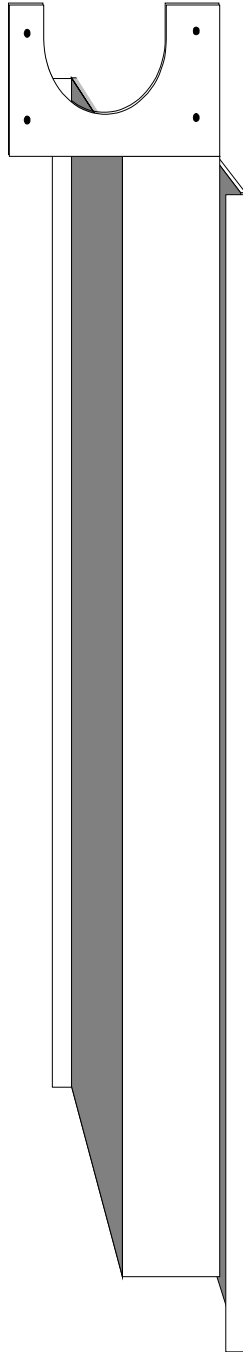


7. Diagrams/Parts

Front Track
(Left)



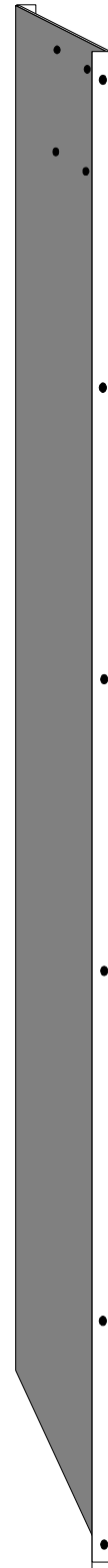
Front Track
(Right)



Back Track
(Left)



Back Track
(Right)



Back plate

