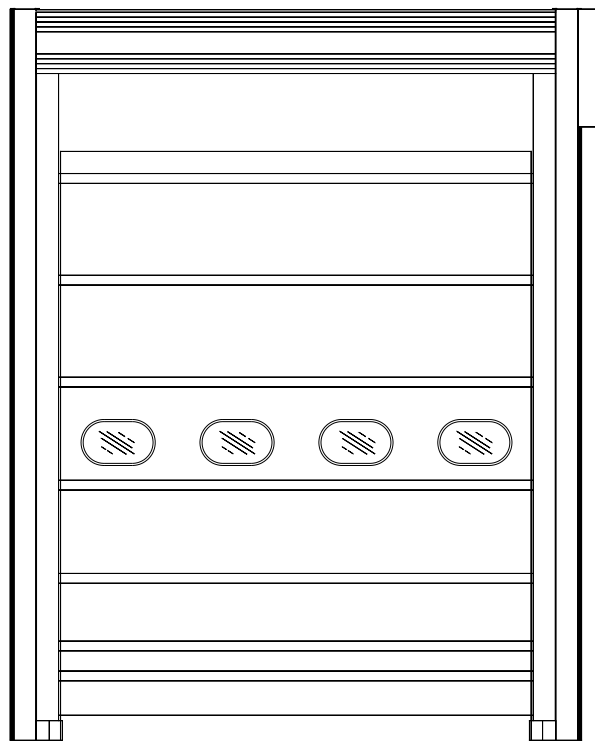
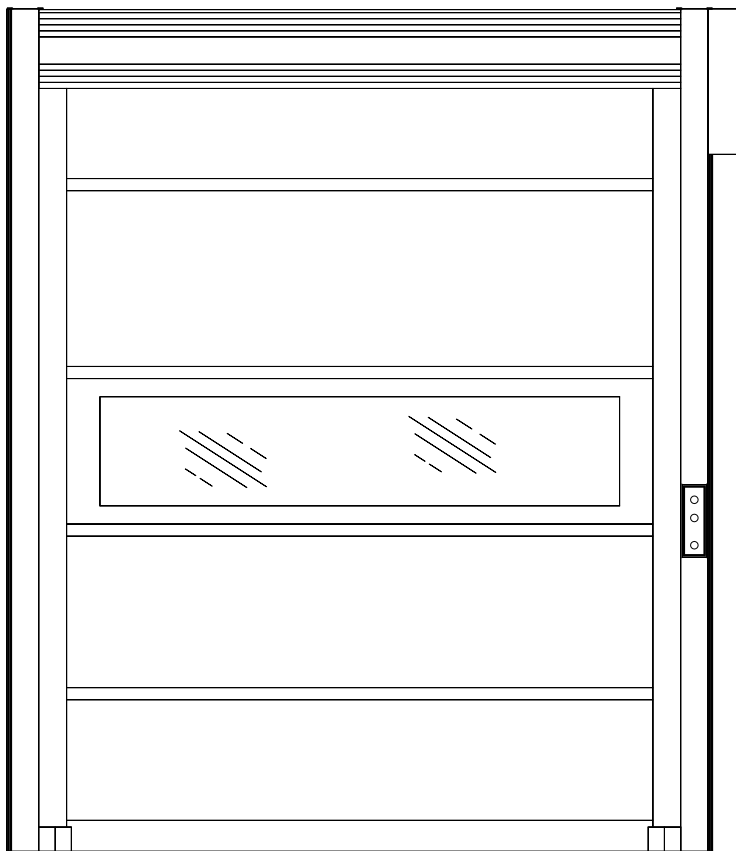


TRAKLINE™

ROLL DOOR - MODEL 8910
FOLD DOOR - MODEL 8920



This manual to remain with the door:
Date Installed: _____



This Manual Covers Doors Shipped After 2-20-06.

PRODUCT INTRODUCTION

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SPECIAL FEATURES

i-COMM™ Universal Controller
 Interior Rolling Door with Standard Sideframe Controls
 Exterior/Interior Folding Door.
 V-Flex™ Curtain Release System.
 Fast smooth opening with a maximum speed of up to 40 in/sec.
 Motor options of 3 Phase 60 Hertz: 208V, 230V, 460V, 575V
 Motor option with 3Ø 50 Hertz 400V may have slower speeds
 One or Two directional curtain breakaway.
 High Wind package.
 Heavy-duty industrial materials for high cycles and minimal wear.

NOTICE TO END USER

Our mission is to “Improve Industrial Safety, Security and Productivity Worldwide Through Quality and Innovation.”

Thank you for purchasing the TRAKLINE™ ROLL or FOLD door from **RITE-HITE DOORS, INC.** The TRAKLINE door is designed to be a fast, smooth opening, low maintenance door that provides superior environmental separation while reducing passage time and temperature loss

The information contained in this manual will allow you to operate and maintain the door in a manner which will insure maximum life and trouble free operation.

This manual should be thoroughly read and understood before beginning the installation, operation or servicing of this door. Complete Final Checklist prior to leaving site. Refer to Partslist manual for exploded views and part numbers.

When ordering parts through Aftermarket or Warranty department, always include your door serial or RHC# to be sure that you receive the correct parts. The RHC and serial # for your door is located on a label on the side of the control box, **Figure 20.1**. The actual parts used on your door may be different than shown in this manual due to special engineering or product improvement.

Your local **RITE-HITE DOORS, INC.** Representative provides a Planned Maintenance Program (P.M.P.) which can be fitted to your specific operation. Call your local representative or **RITE-HITE DOORS, INC.** at 1-414-355-2600 or toll free at 1-800-456-0600. If any procedures for the installation, operation or maintenance of the TRAKLINE have been left out of this manual or are not complete, contact **RITE-HITE DOORS, INC.** Technical Support at 1-563-589-2722.

RECOMMENDED SERVICE PARTS

Gearmotor Rubber Bumpers	15250057 (2)
Limit Switch Assembly	53700227 (1)
i-COMM Assembly	53700528 (1)
Photoeye Retro-reflective	63900002 (1)
Photoeye T.B. Receiver	63900005 (1)
Photoeye T.B. Emitter	63900036 (1)
Fuse 1/2 Amp 600V	51000001 (2)
Fuse 1 Amp 250V	51000002 (1)
Fuse 2 Amp 250V	51000005 (1)
Fuse 1 Amp 600V	51000023 (2)

INSTALLATION TOOLS REQUIRED

Fork lift and scissors lift	1/2" [13] , 9/16" [14] open end and/or socket wrench
Hydro level	11/16" x 12" [17 x 305] drill bit for thru bolting
10' [3048] Step ladder	Straight screwdriver (small 1/8" [3] spade)
Cordless drill	Tube of Anti-Seize or Grease Lubricant
25' [7620] Tape measure	Set of Allen Wrenches (1/8", 5/32")
Wire strippers and side cutters	Caulk Gun and Tubes
6' [1829] Carpenters level	1 1/4" [32] & 1 1/2" [38] Open End Wrench
Utility knife	Hole Saw
(2) 15/16" [24] open end wrenches	5/16" [8] Driver Bit For Drill
Hammer	Retaining Ring Pliers
Phillips Screwdriver	3/16" [5] Punch
Hammer Drill and Cordless Drill (3/8" [10] or 1/2" [13])	Laser Level
#2 Square Driver, and Phillips Bit For Drill	Multi-Meter
Plumb Bob and Chalkline	Anchors, wall fasteners and shims are not supplied. Solid plastic or metal shims must fully support the sideframe base plate. Drill or cut through the shims to allow for the proper installation of the anchor bolts.
18" [457] Clamps (2)	
Straps For Lifting Header / Roller Tube (optional)	
1/2" [13] & 5/8" [16] masonry and/or drill bit for thru bolting	

CHAPTER 1 - SAFETY WARNINGS

SAFETY IDENTIFICATION





	DANGER
Danger indicates the presence of a hazard that <i>will cause severe personal injury, death.</i>	
	WARNING
Warning indicates the presence of a hazard that <i>can cause severe personal injury, death.</i>	
	CAUTION
Caution indicates the presence of a hazard that <i>will or can cause minor personal injury, death.</i>	

NOTICE
Notice communicates installation, operation, or maintenance information that is safety related but not hazard related and may cause equipment or property damage.

NOTE:

A Note is used to inform you of important installation, operation or maintenance information.

GENERAL SAFETY NOTICES

	DANGER
When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.	
	DANGER
A qualified electrician should install the wiring in accordance with local and national electrical codes. Use lockout and tagout procedures to avoid injury.	
	DANGER
<i>To reduce risk of injury or death, an earth ground connection MUST BE made to the green/yellow control box ground terminal. If metal conduit is used as the ground connector, an N.E.C. approved ground bushing and green/yellow wire MUST BE properly attached to the conduit for connection to the ground terminal.</i>	
	WARNING
Make sure to barricade the door opening on both sides to prevent unauthorized use until the door has been completely installed.	
NOTICE	
Damage or debris may fall into electrical components causing failure or severe equipment damage, when drilling holes in the box. DO NOT turn control box upside down or go too deeply into the box.	

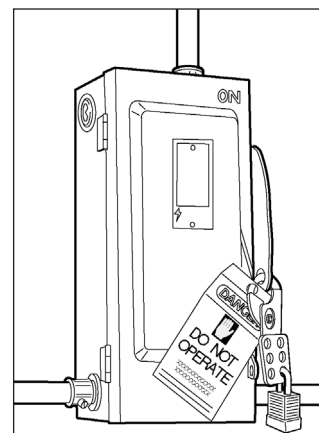
NOTICE
Do not drill holes on top of control box to run conduit, as dust particles and moisture may cause damage to electrical components. The safest location is at the bottom. Failure to do so will void warranty.

LOCKOUT/TAGOUT PROCEDURES

The Occupational Safety and Health Administration requires that, in addition to posting safety warnings and barricading the work area, the power supply has been locked in the OFF position or disconnected. It is mandatory that an approved lockout device is utilized. An example of a lockout device is illustrated. The proper lockout procedure requires that the person responsible for the repairs is the only person who has the ability to remove the lockout device.

In addition to the lockout device, it is also a requirement to tag the power control in a manner that will clearly note that repairs are under way and state who is responsible for the lockout condition. Tagout devices have to be constructed and printed so that exposure to weather conditions or wet and damp locations will not cause the tag to deteriorate or become unreadable.

RITE-HITE Corporation does not recommend any particular lockout device, but recommends the utilization of an OSHA approved device (refer to OSHA regulation 1910.147). RITE-HITE Corporation also recommends the review and implementation of an entire safety program for the Control of Hazardous Energy (Lockout/Tagout). These regulations are available through OSHA publication 3120.



CHAPTER 1 - DOOR JAMB

NOTE:

Check for electrical prints included in the parts or control box, as they supersede any prints included in this owners manual on [Pages 33-36](#).

It is important to verify the following basic information before starting with the installation.

TO PREVENT DAMAGE TO CONTENTS, STORE DRY BETWEEN 40° and 80° F, [4° and 27° C].

1. Alternate dimensions in brackets are in [millimeters].
2. Make sure that you are working at the correct location and that you have any special work permits.
3. Inspect the installation site to make sure that there are no overhead obstructions (sprinkler pipes, HVAC systems, electrical supply lines, etc.) that might interfere with the lifting of the header assembly during installation.
4. Detour material handling equipment during the installation.
5. Make sure that the correct electrical power is supplied to the door control box and can be shut off without interfering with other plant operations.
6. Move the entire crate of the door components as close to the door opening as possible.
7. **USE CAUTION** when moving the panel boxes, they **MUST BE** stored flat on the floor or placed with the longest side flat on the floor. **DO NOT** lean the panel boxes height wise against a wall, as panels may become warped.
8. In the case of multiple doors being installed, it is imperative to install the proper control box with the matching door unit. The serial # for your door is on a label located on the side of the control box and lower track, [Figure 20.1](#).
9. It is not recommended to weld sideframes in place until door has been tested to ensure proper operation
10. Install activation and optional equipment last after verifying door operation.

DOOR JAMB

1. Measure Door Opening Width at the top (A).
2. Measure Door Opening Width at the floor (B).
3. Measure Door Opening Height at left side (C).
4. Measure Door Opening Height at right side (D).
5. Dimensions from Steps 1 - 4 should be within $\pm 1/2"$ [13] of the dimensions listed on the serial number label. If the measurements do not agree, **STOP!** Contact your **RITE-HITE DOORS, INC.** representative.
6. Surface **MUST** be flat, smooth and collinear with opposite side (E).
7. Using a 6' [1829] carpenter's level (F), verify that the door jambs and header are plumb and perpendicular.
8. Using a laser level (G), place a mark where the laser is sighted on each side of the jamb to determine if the floor is level. Measure both sides from floor to the mark and if the floor is not level to within $1/8"$ [3], shim under the sideframe that will be located on the "Low Side" (H) (greatest measurement) of the door opening.

For space clearance requirements, see Architectural drawings on [Pages 50 & 51](#).



WARNING

Make sure to barricade the door opening on both sides to prevent unauthorized use until the door has been completely installed.

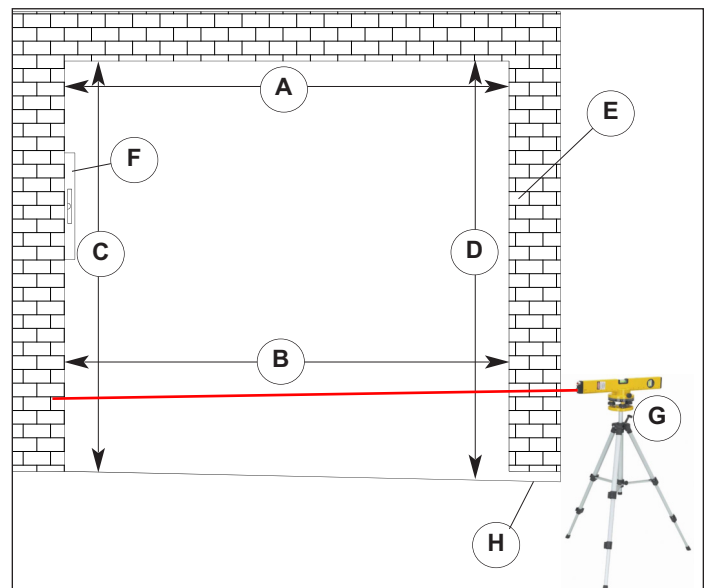


Figure 4.1

CHAPTER 1 - DOOR CONTENTS

QTY	DESCRIPTION
Crate Containing the following	
1	Header Front Brace (w/Curtain and/or V- Flex Straps)
1	Header Rear Brace (w/Curtain and/or V-Flex Straps)
1	Roller Tube w/Lift Straps or Curtain
1	Header Front Brace (Roll)
1	Header Rear Brace (Roll)
1	RH Sideframe
1	LH Sideframe
1	Control Box (optional) w/Electrical Prints and O.M.
1	Drive Assembly w/Cables attached
1	Control Box Cable (optional)
1	Photoeye Cables for Thru-Beam (optional)
1	Drive Shroud
a/r	Header Covers & Extrusions
a/r	Sideframe Covers & Extrusions
Parts Box Containing the Following	
1	Owner's Manual
1	Limit Switch Sprocket Large w/Set Screws (2)
1	Limit Switch Chain (17" [432] RHD, 18" [457] LHD)
1	Limit Switch Chain Link
1	1/4" x 3/16" x 4 1/2" [6x5x114] Key
2	Bearing Lock Collar
1	Retaining Ring
12/14	3/8-16 x 1" [10x25] Bolts for Header Braces
12/14	3/8" [10] Nuts for Header Braces
12/14	3/8" [10] Lock Washers for Header Braces
12/14	3/8" [10] Flat Washers for Header Braces
1	#8 x 1/2" [13] Self Tap/Drill Screw
1	#10 Int/Ext Lock Washer (Control Box Option)
2	Stand Clear Warning Labels (Control Box Option)
3	#12-14 x 3/4" [19] Self Tap/Drill Screws

CHAPTER 2 - SIDEFAME INSTALLATION

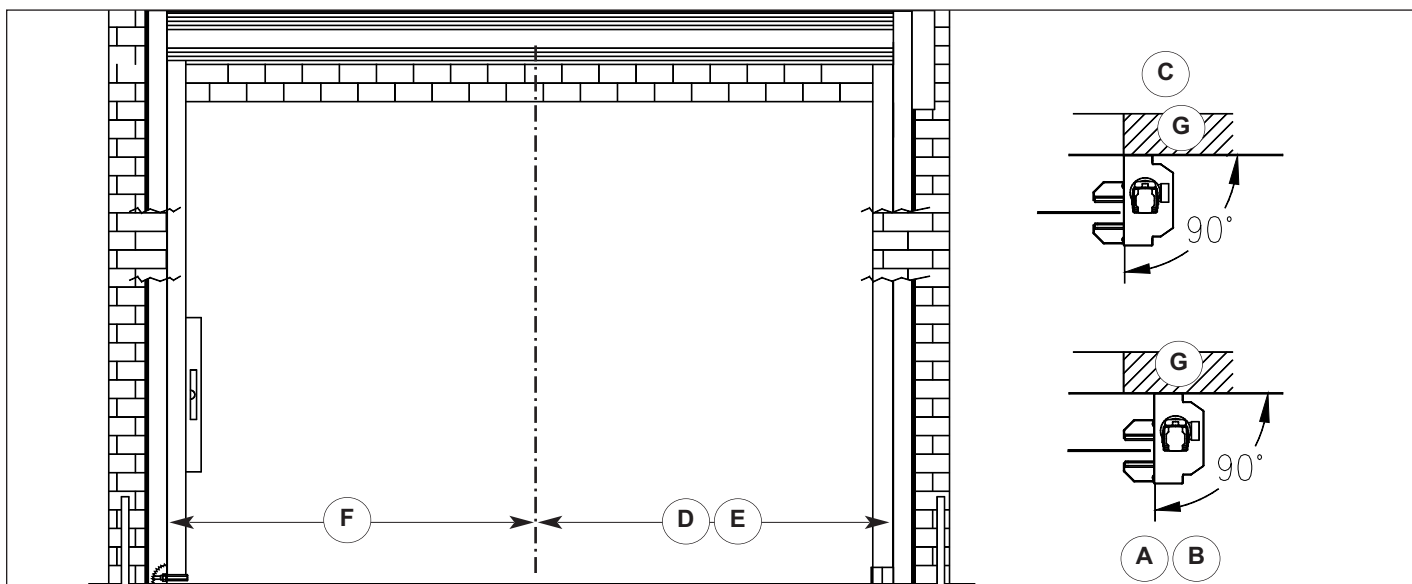


Figure 5.1

ONE-WAY BREAKAWAY: (A)

From this centerline, measure 1/2 O.D.W. plus 5 3/8" [136] (D) and place a mark on the floor on each side. This will offset the location of the V-Flex™ curtain release system, **Figure 5.1**. Must be equal to O.D.W. plus 10 3/4" [273] +1/4"/-0" [6] and perpendicular to wall (G).

ONE-WAY HIGH WIND BREAKAWAY: (8920 only) (A, B)

From this centerline, measure 1/2 O.D.W. plus 7 3/8" [187] (E) and place a mark on the floor on each side. This will offset the location of the V-Flex™ curtain release system, **Figure 5.1**. Must be equal to O.D.W. plus 14 3/4" [375] for one way high wind +1/4"/-0" [6] and perpendicular to wall

TWO-WAY BREAKAWAY: (C)

From this centerline, measure 1/2 O.D.W. (F) and place a mark on the floor on each side, **Figure 5.1**.

Must be equal to O.D.W. +1/4"/-0" [6] and perpendicular to wall.

NOTE: Handle sideframes with care as control components may be inside.

The preferred method of installing the door is to assemble the door on the floor and raise the door as a unit using cargo straps attached to the roller tube. **If overhead or side space is limited or the correct tools are not in place, install the door on the wall.**

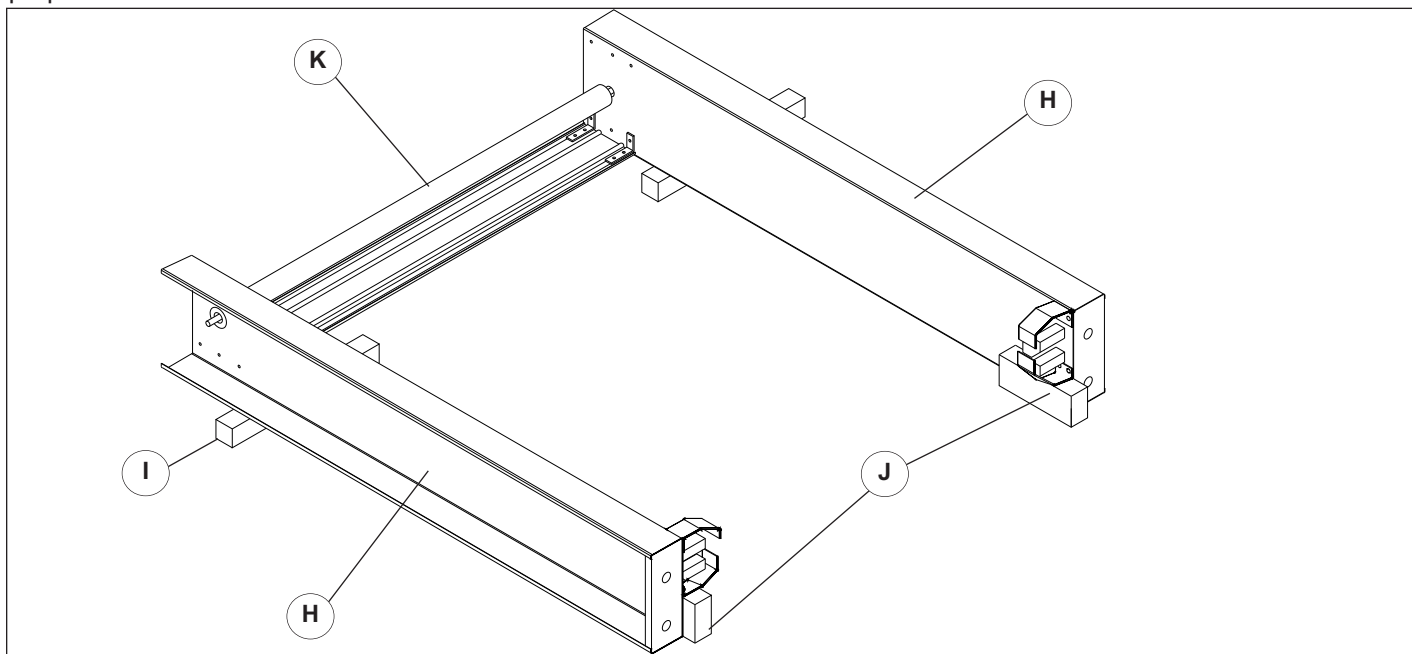


Figure 5.2

CHAPTER 2 - ROLLER TUBE INSTALLATION

ROLLER TUBE INSTALLATION

Determine the drive sideframe by locating the integral control station and photoeyes inside of it, unless the optional control box is selected. Place the sideframes (H) on blocks (I) in front of the opening, with the top of the sideframe toward the opening and the back of the sideframe facing the floor, **Figure 5.2**. An additional block may need to be placed under the guards (J) at the bottom of the sideframe to prevent sideframes from tipping over.

MAKE SURE THAT THE BEARING CAM LOCK FACES OUTWARD, **FIGURE 5.3.**

Install the roller tube (K) non-drive shaft (shortest end w/no steps) through the bearing plate on the non-drive sideframe, **Figure 5.3**. Roll Door Only: The curtain will roll off the front of the roller tube, away from the wall.

Install the drive shaft (L) with pre-welded spacer (R) through bearing plate on drive sideframe, **Figure 5.3**.

NOTE: The bearing plate fasteners are shipped loose so the bearing can be self aligned when the door is installed on the wall. These fasteners MUST BE tightened later (M).

Remove one lock collar (N) from the parts box and install

the locking collar to the drive shaft by turning it clockwise by hand until snug, **Figure 5.3**.

NOTE: It may be necessary to hold the roller tube assembly from moving while completing this next procedure.

Using a hammer and punch, drive the collar clockwise using the driving hole (P) next to the set screw (Q) until it is snug. Tighten the 5/16-18 [8] set screw with a 5/32" [4] allen wrench to lock in place, **Figure 5.3**.

NOTE:

The non-drive side must wait until the door has been lifted and both header braces have been installed.

If the door is a right hand drive, the three bolts holding the sideframe anti-rotation bracket in place, will need to be loosened to fasten the rear header brace to the sideframe. Make sure not to rotate bracket around while loosening bolts.

The "L" brackets may also need to be loosened up to get the header braces attached to the sideframe.

Sideframe

Roller Tube

IMPORTANT!!!

Make sure the lock collar does not overhang the shoulder on the shaft. If the collar is overhanging the shoulder on the shaft, make sure the roller tube shaft is seated correctly. Failure to do so, will not allow the retaining ring to be seated in the groove on the shaft after the gearbox is installed.

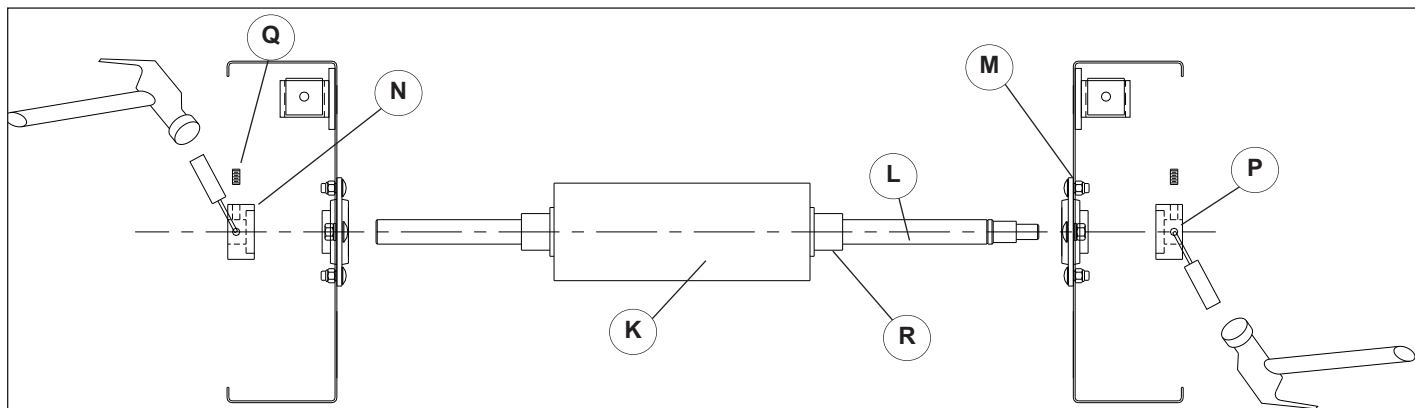


Figure 5.3

CHAPTER 2 - REAR HEADER BRACE INSTALLATION

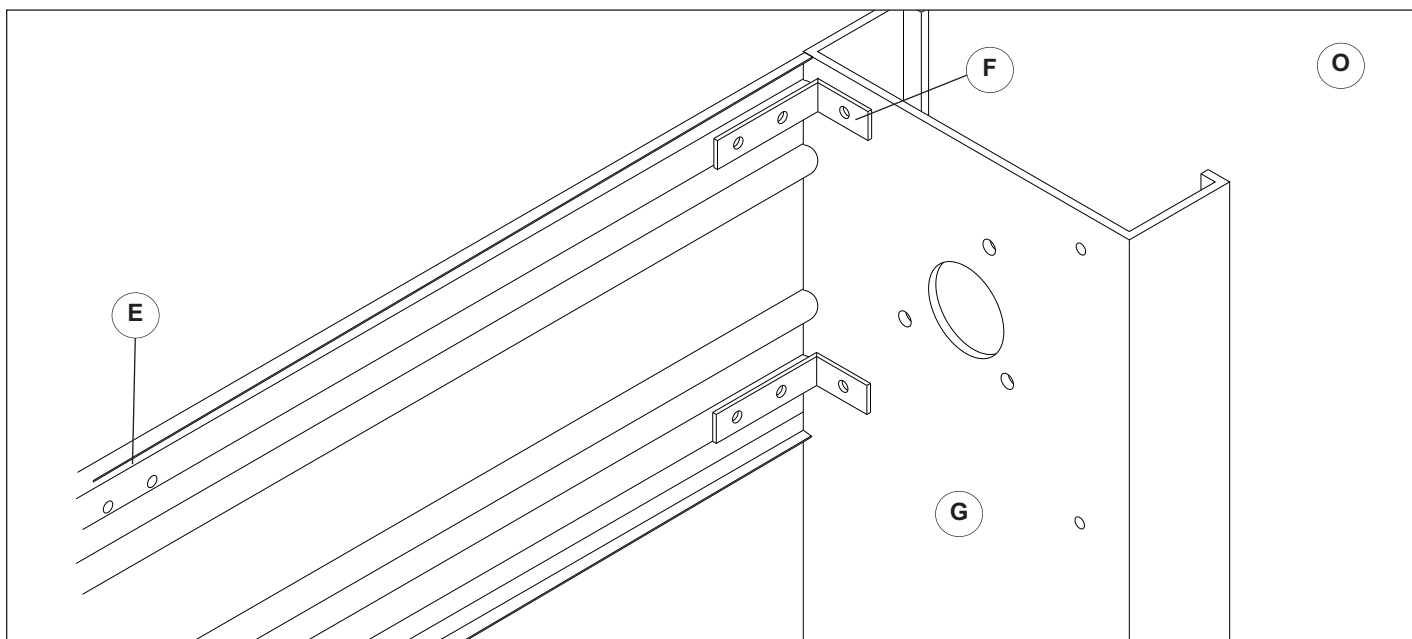


Figure 8.1

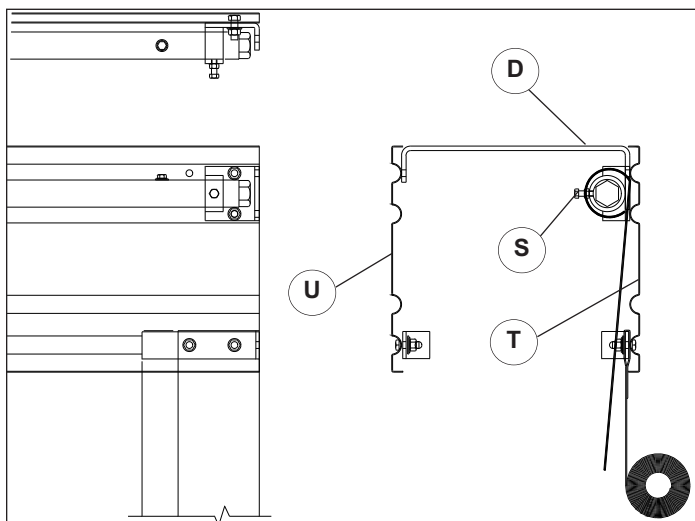


Figure 8.2

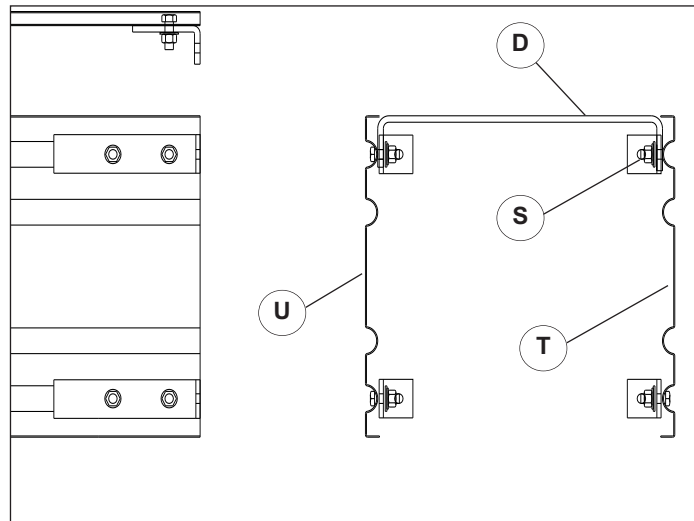


Figure 8.3

FOLD DOOR ONLY NOTE:

1. Looking at a cross section of the jamb (H), an Exterior / Exterior (A) or Interior / Interior (B), will have the curtain (J) attached to the front header brace (U). An Exterior / Interior (C) mounted door will have the curtain attached to the rear header brace (T), [Figure 8.4](#).
2. **** The lifting straps on the curtain will always be on the inside of the building (K).**
3. The front header brace will be attached after the door is installed on the wall for ease of lifting and to prevent damage during lifting.

REAR HEADER BRACE INSTALL

Shown w/o roller tube in place (O).

4. FOLD DOOR - If the curtain is on the rear header brace, the center brace (D) is pre-attached and will need to be fastened to the front header brace later, using the two 3/8" x 1" [10x25] hex head bolts with flat, lock washer and nuts. [Figures 8.2 & 8.3](#).
5. Position rear header brace with the two center holes (E) at the top and the front (Q) and rear (R) V-Flex straps at the bottom.
6. Align the attached "L" (F) bracket holes with the sideframe (G) holes. Fasten with the (6) six 3/8" x 1" [10x25] hex head bolts, lock washers and nuts (S) provided in the parts box, [Figure 8.1](#). Fold Door Only: If the curtain is on the front brace, there will be only (4) four bolts.

CHAPTER 2 - DRIVE SYSTEM INSTALLATION

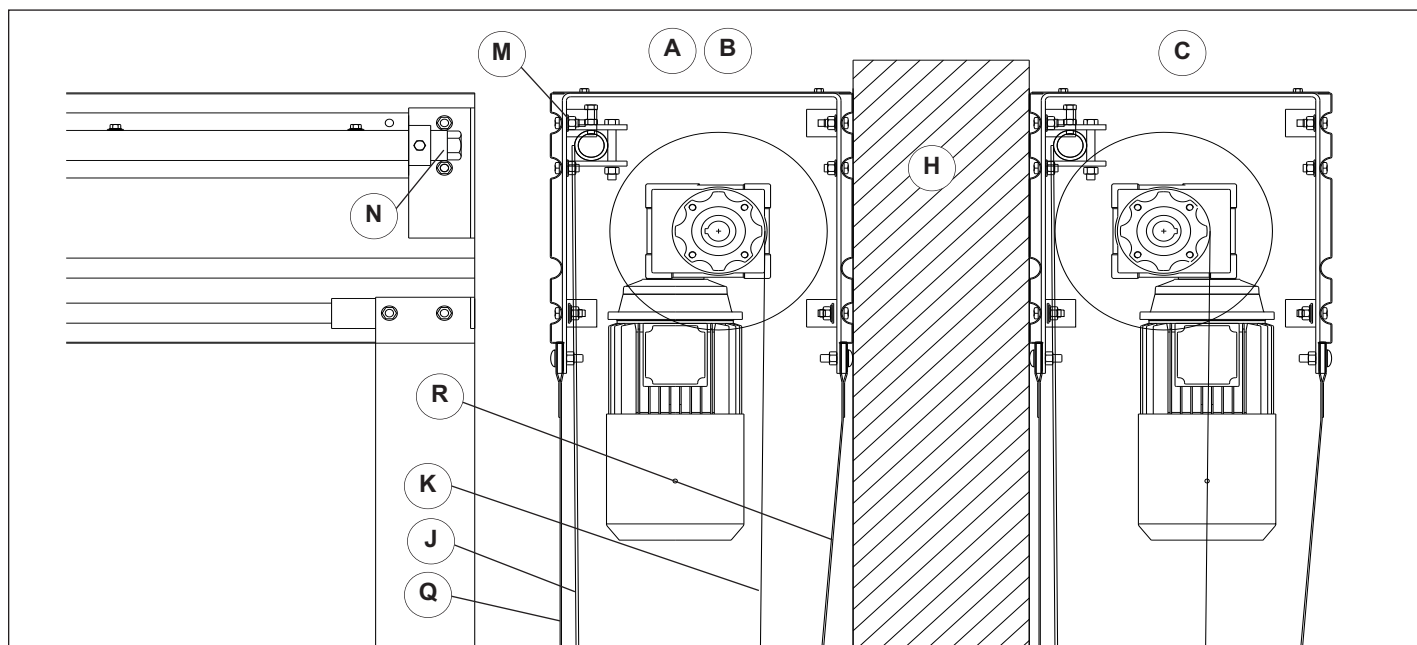


Figure 8.4

7. If a lift is not available, install the motor per details below. If a lift is available, the motor can be installed after the door is mounted to the wall.

NOTE:

On Left Hand drive doors, attach the front header brace to the sideframes before installing the motor. This must be done now to gain access to the mounting bolts.

8. Apply grease or anti-seize (not supplied) to the drive shaft, bumpers and bumper block for ease of gearbox installation and maintenance removal.

9. ROLL DOOR:

Turn roller tube to align the drive shaft (V) and gear keyway, **Figure 8.5**.

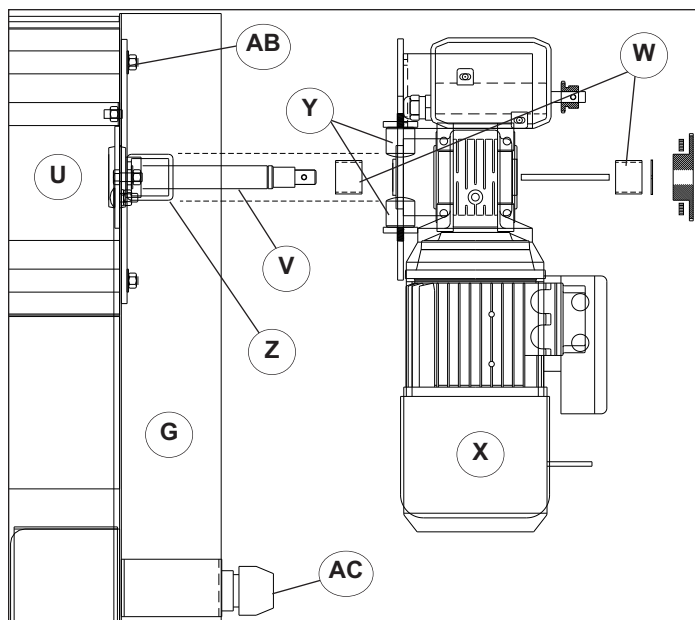


Figure 8.5

10. FOLD DOOR:

Turn the roller tube to get 1 1/2 pre-wraps on the lifting straps, **Figure 14.1**. The lifting straps (K) will always be on the opposite side of the roller tube as the curtain.

11. Install spacer (W) onto the drive shaft, **Figure 8.5**.
12. Install motor assembly (X) onto the drive shaft. Some force may be required to get the bumpers (Y) over the bumper block (Z), **Figures 8.5 & 8.6**.
13. Route the limit switch cable through the hole in the back of the motor mount bracket and run down the length of the sideframe.

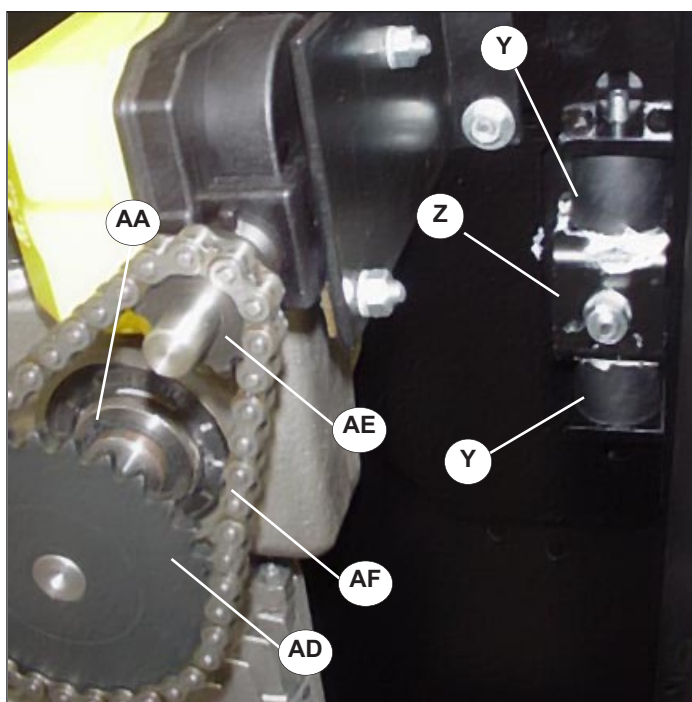


Figure 8.6

CHAPTER 2 - FRONT HEADER BRACE INSTALLATION

14. Install 1/4" x 3/16" x 4 1/2" [6x5x114] key into the keyway. **DO NOT** force the key. The key should slide freely, forcing the key may cause distortion. Tap key into keyway slot until they it is past the retaining ring slot.
15. Install spacer onto the roller tube drive shaft, **Figure 8.5**.
16. Gearbox case should be flush with the end of the retaining ring groove. Install retaining ring (AA) into shaft groove, **Figures 8.5, 8.6**.
17. Install 30 tooth sprocket (AD) onto the drive shaft until it hits the shoulder. Loosen limit switch bracket and align 10 tooth sprocket (AE) on the limit switch shaft using a short straight edge. When aligned, lock-tight and tighten the 1/4" [6] set screws onto the flat spot of the shaft with an 1/8" allen wrench to 75 in/lbs [8.5 N-m].
18. Install #35 chain onto sprockets (AF), by lining up the chain so the connector falls onto the large sprocket, **Figure 8.6**.
19. Place connector link onto chain and lock in place. To adjust the chain, loosen up the limit switch mounting bracket bolts and adjust so the chain deflects approximately 1/4" [6]. More than 1/4" [6] may cause wear on the limit switch shaft bearing assembly. Make sure chain is tight enough so it does not slip over the teeth. Tighten the Grade 2 bolts to 66 in/lbs [7.5 N-m].

NOTE:

The motor and brake cables are pre-wired into the motor junction box, but will need to be terminated into the Integral control panel or the control box.

NOTICE

DO NOT lift the assembly from either the rear or front braces, as they are not designed to be lifted and may bend.

NOTICE

Place cardboard or some material around the curtain before fastening the lifting straps to the curtain. Failure to do so may leave imprints or soil the fabric.

NOTE:

When overhead forklift mast clearance is a problem, additional support blocks may need to be added under the roller tube assembly. Securely attach wooden supports to the roller tube assembly and lift into position. Use caution not to bend or twist the header braces, **Figure 8.8**.

20. If overhead clearance is available, secure the roller tube to the fork lift forks and lift.

21. Forklift should be slightly off center toward the drive side when lifting, as this side will be heavier. Make sure to place clamps on the forks to prevent the straps from sliding off the forks.
22. Make sure sideframes slide easily on the floor when lifting. It is helpful if the sideframes can be walked up with one person on each side, **Figure 8.8**.
23. When the door is in place, make sure to square and level the door and that the sideframes are parallel, if not raise or lower using shims as necessary. If shims are required, shims must fully support sideframe base plate. Drill or cut holes through shims to allow for anchors.
24. The sideframe should be square to the header braces, if the sideframes twists when fastening to the wall shimming may be required.

NOTE:

If equipped with integral controls, DO NOT use mounting hole if it falls behind controls.

25. Mark the holes to be drilled, remove the door assembly from the wall and drill holes through the wall. **RITE-HITE DOORS, INC.** recommends that the sideframe thru bolts use a backing plate for each bolt.
26. Replace door assembly against the wall, plumb, level and double-check the overall width measurements at the bottom of the sideframes. There should not be more than +1/4" or -0" [6]. See Dimensions A and B on **Figure 4.1**. Anchor the door to the wall and floor using the holes provided in the back of the sideframe and the bottom plate.

NOTE:

If your door is a left hand drive, the (3) sideframe anti-rotation bracket (AB) bolts need to be loosened or taken off to mount the header brace to the sideframe. Make sure the bracket is not rotated while loosening bolts.

27. Optional bracket for mounting control box conduit (AC).

FRONT HEADER BRACE INSTALLATION

1. Install front header brace with the V-Flex straps (L) at the bottom and the two holes in the center at the top and aligning the "L" bracket holes with the sideframe holes.
2. Fasten with the (4) four 3/8" x 1" [10x25] hex head bolts, lock washers and nuts provided. The "L" brackets may need to be loosened to get the header braces attached to the sideframe.
3. The center brace should be pre-attached and will need to be fastened to the front header brace.

CHAPTER 2 - FRONT HEADER BRACE INSTALLATION

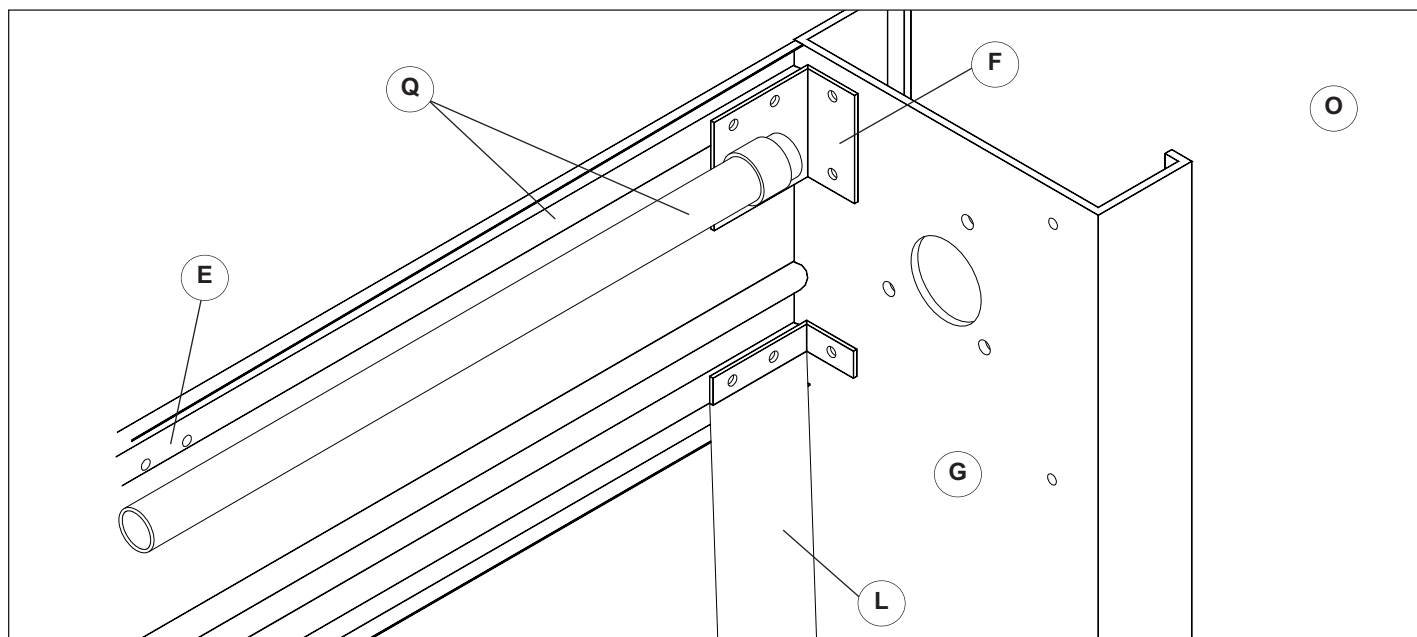


Figure 8.7

4. Fasten the header brace supports together with the center bracket and (2) two 3/8" x 1" [10x25] bolts with lock washers and nuts provided.
5. ROLL DOOR- Remove the curtain shipping straps that hold the curtain in place, the brake will prevent the curtain from dropping to the floor.
6. Place the lock collar on the non-drive shaft and make sure the bearing plate bolts are tightened on the drive and non-drive sides.
7. FOLD DOOR - If the curtain is on the rear header brace, align the "L" bracket holes with the sideframe holes and fasten with the (4) four 3/8" x 1" [10x25] hex head bolts, lock washers and nuts provided. The "L" brackets may need to be loosened to get the header braces attached to the sideframe.
8. FOLD DOOR - If the curtain is on the front header brace, align the "L" bracket holes with the sideframe holes and fasten with the (6) six 3/8" x 1" [10x25] hex head bolts, lock washers and nuts provided.
9. FOLD DOOR - If the curtain is on the rear header brace, the center brace is pre-attached and will need to be fastened to the front header brace.
10. FOLD DOOR - DO NOT remove the curtain shipping straps that hold the curtain in place until the "V"-Flex straps have been attached to the tension pins.
11. FOLD DOOR - To adjust curtain, loosen the 5/16" [8] bolts on the adjustment bar (M) while holding nut (N) on the end of the bar with a 1 1/4" [32] wrench.
12. Repeat this procedure for the remaining tensioning pins.
13. The straps are tensioned properly if the curtain will stay in the "V" groove when pushed against with force.
14. FOLD DOOR - Remove the curtain shipping straps that hold the curtain in place and slowly lower the

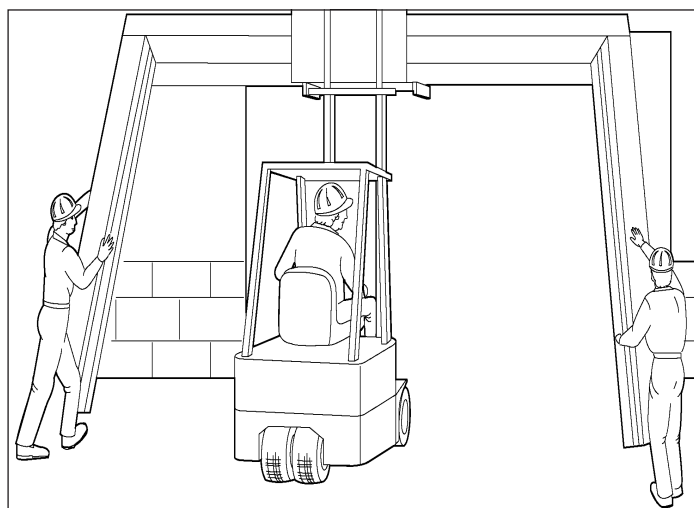


Figure 8.8

curtain to the floor to prevent damage to the curtain or injury to personnel.

15. FOLD DOOR - Using the 1 1/4" [32] wrench, turn the nut on the end of the bar so the curtain is turned toward the header brace. When the slack has been taken out of the curtain and the curtain is sealed on the floor, tighten the 5/16" hex head bolt with a 1/2" [13] socket wrench on each end of the adjustment bar. It may be required to have a person holding the opposite side of the adjustment bar to prevent slipping.
16. **The bearing plate fasteners must be tightened now.**
17. Q:
 Ext/Ext Door: Curtain adjustment bar on front header brace
 Int/Ext Door: Curtain adjustment bar on rear header brace
 Int/Int Door: Curtain adjustment bar on front header brace

CHAPTER 2 - V-FLEX STRAP INSTALLATION

1. Loosen the locking nuts (L) until the tension pins spin freely.
2. Wrap the V-Flex guide straps (A) around the right hand (B) and left hand (C) tension pins, so that the straps are being wound up when the pin is turned clockwise (D) for the left hand threaded pins and counter-clockwise (E) for the right hand threaded pins. The straps will always be on the inside of the pins.
3. Using a 1 1/4" and 1 1/2" [32 & 38] wrench, turn the left hand tension pins (C) clockwise to put tension on the V-FLEX belt and counter-clockwise for the right hand tension pins (B).
4. Turn tensioning pin until the strap is very tight or to a total of approximately 70 ft/lb [7.9 N-m].
5. When the correct tension is applied to the belt tighten down the locking nut (L) using a 1 1/2" [38] wrench.
6. Install V-Flex straps with seam toward the outside (F).
7. Place screw thru seal flap approximately 2" [102] above guards to prevent sliding (G).
8. Tensioning pin guard (H).
9. Sideframe (I).
10. Bottom plate (J).
11. Washer (K).

NOTE:

When standing in the opening between the sideframes and looking at the sideframe, the left hand threaded pin goes on the left hand side.

Likewise, the right hand threaded pin goes on the right hand side. The left hand pins will have a narrow groove machined into the hex shape near the end of the pins.

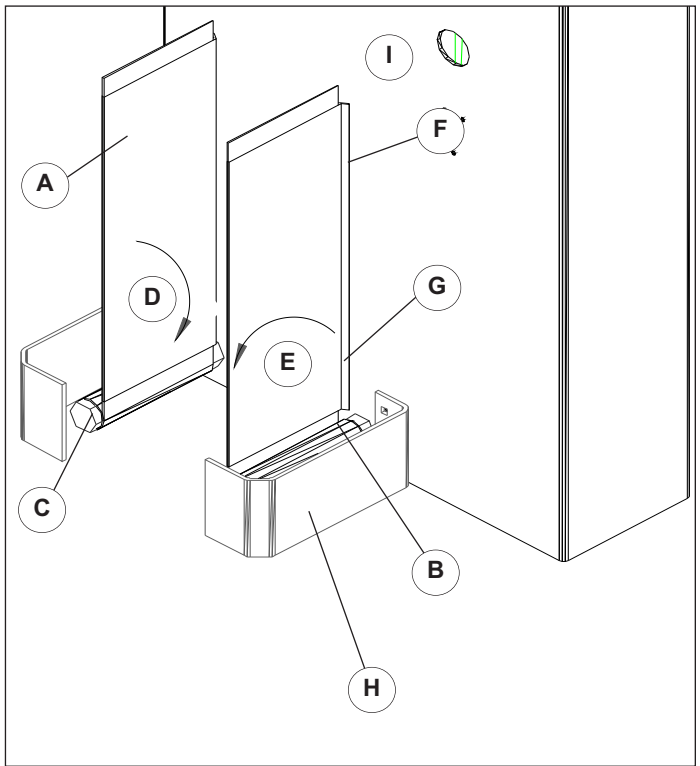


Figure 12.1

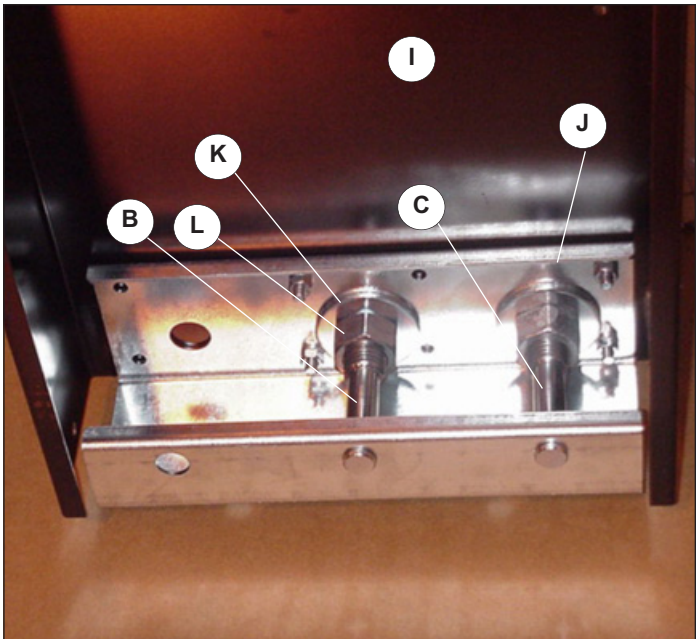


Figure 12.2



WARNING

Use Caution when winding up tension pins, as substantial force is being applied to the pins and the belting.



Figure 12.3

ROLL DOOR SPEED FEED SYSTEM

1. Roll model Speed Feed System - shown without curtain, [Figure 12.3](#).
2. ROLL DOOR - The door is equipped with a Speed Feed system. That allows the curtain to be placed between the V-Flex straps when an impact occurs.
3. If V-Flex straps are not taut, the curtain may be damaged when refeeding.
4. Place seam toward the outside (A).

CHAPTER 2 - LIFTING STRAP INSTALLATION - FOLD

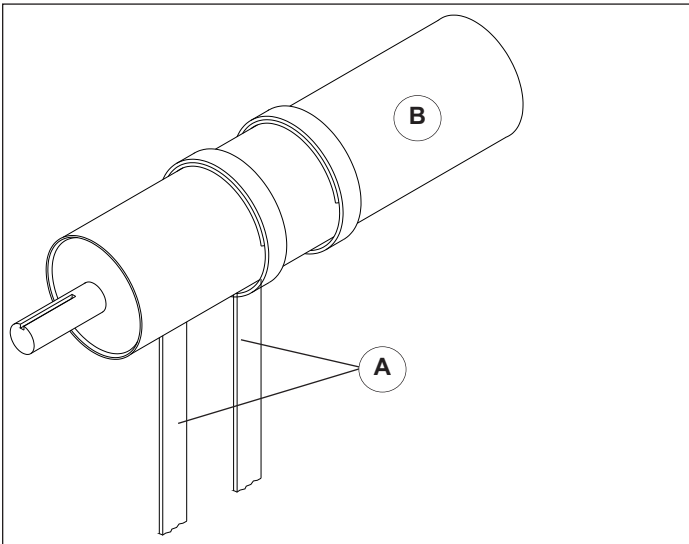


Figure 14.1

LIFTING STRAP INSTALLATION - FOLD

1. Locate strap pressure plates and hardware from parts box.
2. The lifting straps (A) are riveted to the roller tube (B) near the end of the roller tube closest to the sideframe. The lifting straps will have 1 1/2 pre-wraps.

Straps MUST roll off the roller tube on the opposite side that the curtain is hanging, [Figure 14.1](#).

NOTE:

If one side is tighter than the other, the curtain may fold up at an angle and cause undue friction on the end of the curtain and sideframe.

3. Insert the lifting straps through all the 2" [102] strap rings (C), making sure it is not twisted. Repeat procedure on all straps.
4. (D) - Curtain and (E) - Retention bar.
5. Route the straps around the bottom stabilizer bar (F) and attach the pressure plates (G) and clamp to the straps.
6. Attach pressure plates to the strap, just above the bottom stabilizer bar, such that the rounded curve (H) and the head of the bolt are toward the curtain.
7. The straps should be snug with little or no tension applied. The curtain should not raise off the floor. Repeat for remaining belts.

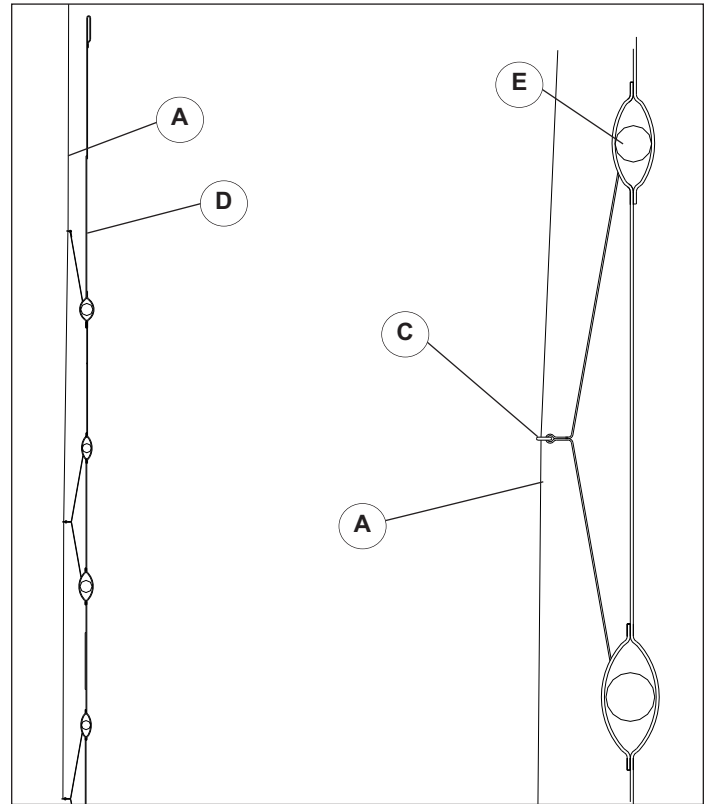


Figure 14.2

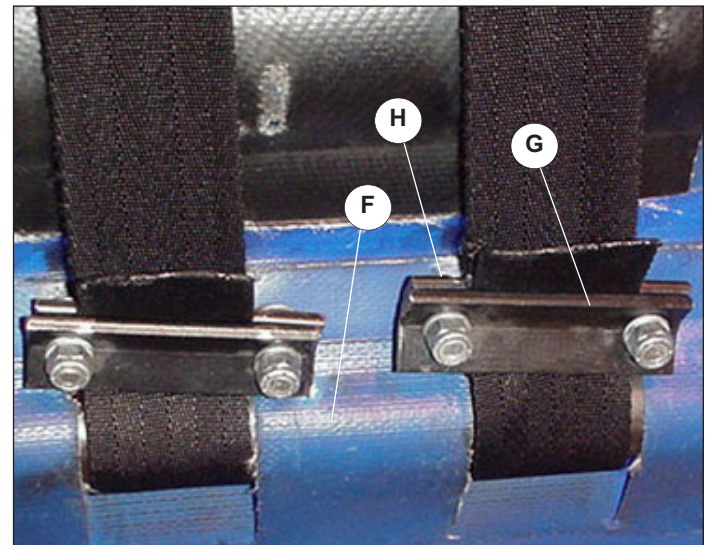


Figure 14.3

CHAPTER 2 - HEADER COVER / SEAL INSTALLATION

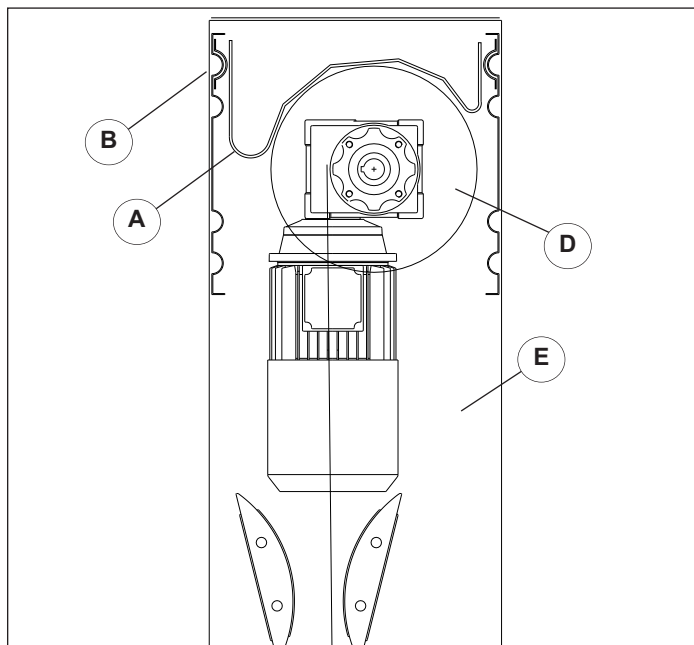


Figure 15.1

HEADER TOP SEAL INSTALLATION - ROLL

1. Locate the header top seal (A) in the door crate.
2. Attach the top seal to the header braces (F) using the hook and loop fastener (B) to provide a seal between the curtain and the header top cover (C).
3. (D) - Roller tube and (E) - Sideframe.

HEADER TOP COVER INSTALLATION

Figure 15.2 shows the Roll model and Figure 15.3 shows the Fold model.

1. Locate the plastic extrusion and the covers.
2. The covers will be labeled "HEADER TOP COVER" and may include one or two pieces depending on door width. The plastic extrusion will be labeled "HEADER CHANNELS".
3. Starting at the end of the header attach the plastic extrusion (G) to the header brace lip. Repeat procedure to the opposite header brace lip.
4. Place one side of the top covers into the slot on the rear extrusion and then the front side. It may be helpful to use a wide blade screw driver to feed the cover into the second extrusion after the first side is held captive.

LABEL INSTALLATION

1. Clean surface where label is to be placed. Peel off backing on label and apply in position, Figure 15.4.

View of back side of door

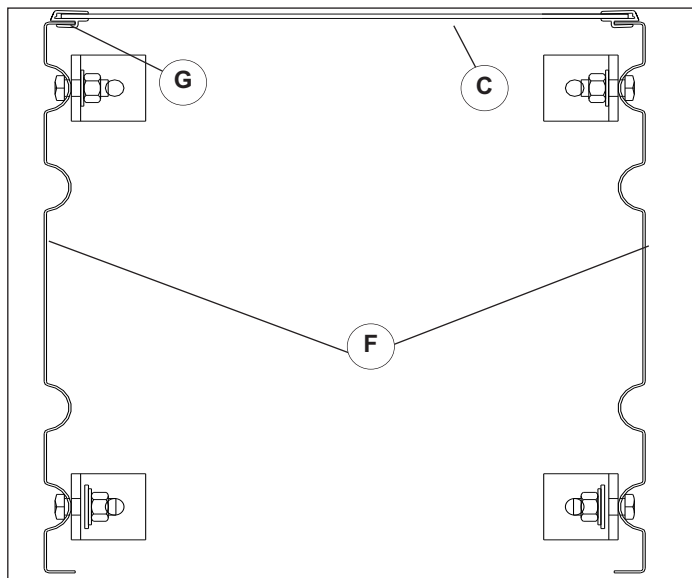


Figure 15.2

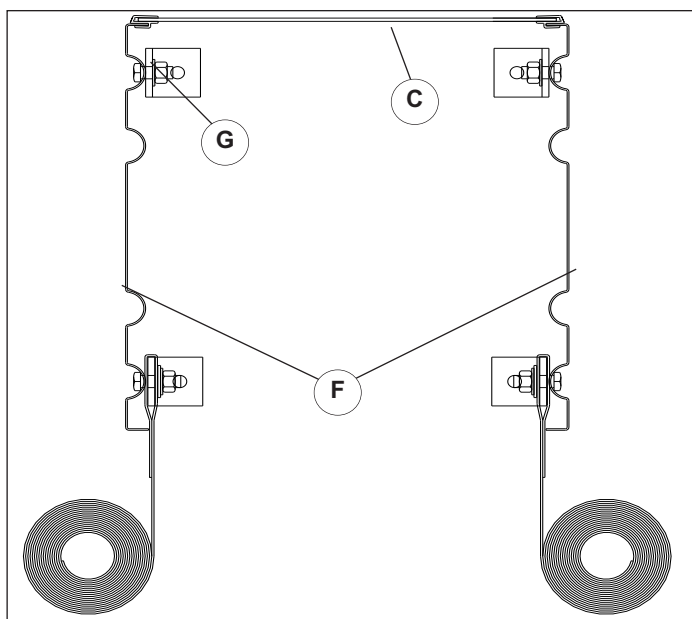


Figure 15.3

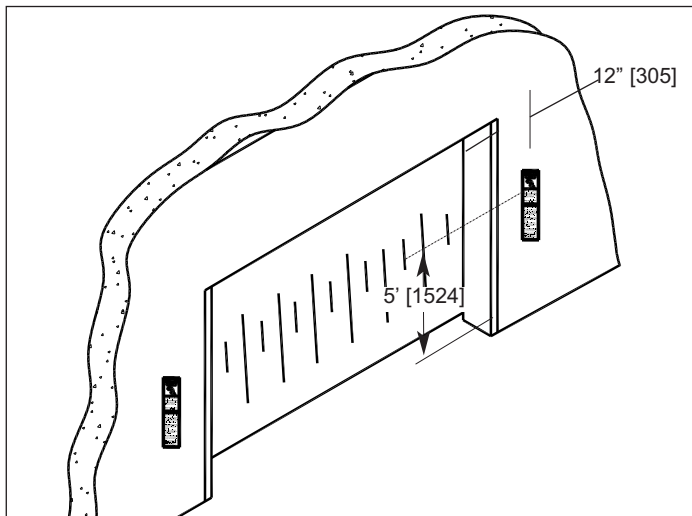


Figure 15.4

Lifting Strap

OPTIONAL COUNTER BALANCE/THRU-WALL BRAKE RELEASE

NOTICE

Use caution when working with the counter weight. Make sure the belting is properly fastened to prevent it from slipping.

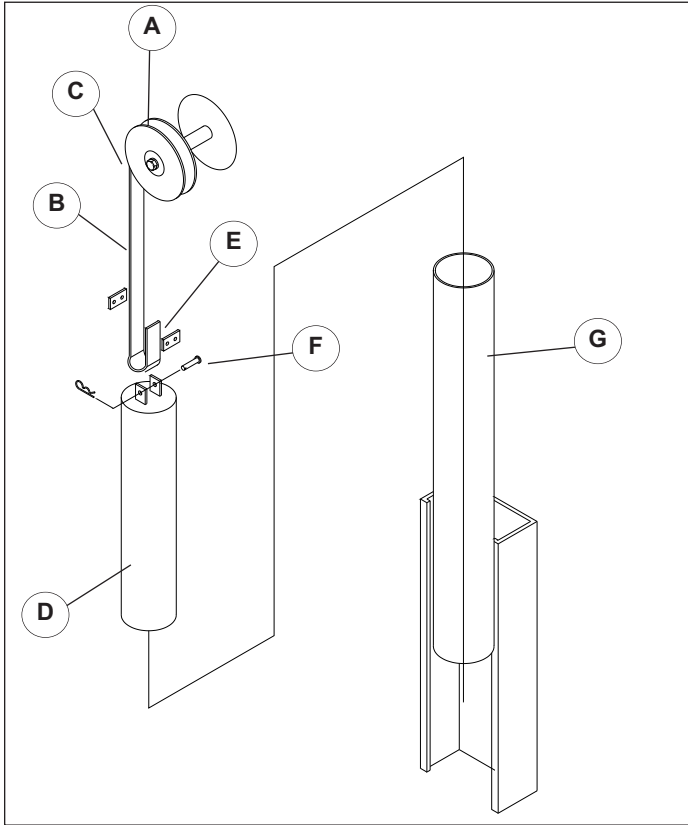


Figure 16.1

COUNTER-BALANCE OPTION

The Counter-Balance weight system operates in the non-drive sideframe and may be used to open the door in the case of a power outage. Install after door installation is complete.

1. With the door in the open position. Slide counter weight pulley (A) onto the non-drive shaft, align keyway, install key and tighten the two set screws onto the key with the pulley flush against the end of the shaft. Install bolt, lock and flat washer. Route the belting (B) off the back side (C) of the pulley with the hardware provided and add 1 1/2 pre-wraps.
2. Place the weight (D) on blocks approximately 6" or more off the floor.
3. Route belting into a loop (E) and tighten the pressure straps with the hardware provided. Place the loop between the weight brackets and install pin and cotter pin (F).
4. The pvc tube (G) does not get tied down.
5. Install sideframe covers and return door to operating condition. Test door to see that it functions properly, if the weight bottoms out or hits pulley at the top, re-

adjust belting loop.

6. The rest of this procedure requires power to the door. Proceed to Electrical Installation and Limit Switch Adjustment on [Pages 17 & 28](#).
7. Jog the door closed so the weight lifts up in the air and place the weight inside the pvc tube.
8. If thru-beam photoeyes are used, make sure cable is clear of counter weight belting.
9. To raise the door in case of a power outage, simply pull on the brake release cord. Some assistance may be required on certain sized doors to achieve full open height clearance.

THRU-WALL BRAKE RELEASE OPTION

The TRAKLINE door can be equipped with an optional Thru-Wall Brake Release system that can be used to open the door easily in the case of a power outage..

1. Using the pulley (H) as a guide, mark the location on the wall in line with the route of the rope.
2. Check the other side of the wall (J) for clearance, if clear, drill a 1" Ø [25] hole through the wall. If not clear, move the conduit (K) left or right. For additional clearance while drilling, remove the shroud.
3. Insert the conduit through the wall. It may be necessary to cut the conduit to length to achieve desired end results. Insert plugs into each end of the conduit.
4. Thread the rope (L) from the brake handle, through the shroud, around the pulley and through the conduit. Re-install the shroud (M).

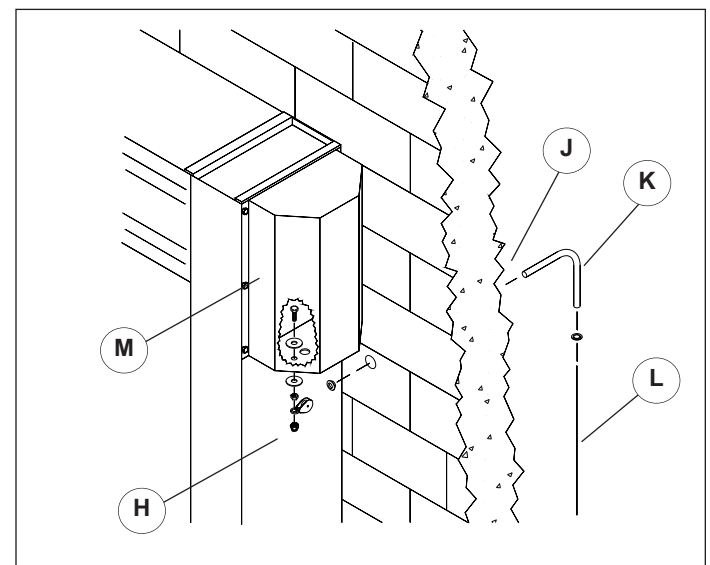


Figure 16.2

CHAPTER 3 - ELECTRICAL INSTALLATION



DANGER

When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.



DANGER

A qualified electrician should install the wiring in accordance with local and national electrical codes.
Use lockout and tagout procedures to avoid injury.



DANGER

To reduce risk of injury or death, an earth ground connection MUST BE made to the green/yellow control box ground terminal. If metal conduit is used as the ground connector, an N.E.C. approved ground bushing and green/yellow wire MUST BE properly attached to the conduit for connection to the ground terminal.

NOTICE

Do not drill holes on top of control box to run conduit, as dust particles and moisture may cause damage to electrical components. The safest location is at the bottom. Failure to do so will void warranty.

The TRAKLINE door has been factory tested. The electrical cables from the door need to be connected to the control panel.

NOTE: Route all field installed wires inside the control box so that separation is maintained between line voltage wires and low voltage class II wiring.

The standard Integral control panel located in the drive sideframe. Control box is optional.

Local electrical codes may require the use of a junction box and rigid conduit. Make sure to route all conduit through the bottom of the control station, [Figure 20.1](#). The door frame is grounded via the motor ground wire provided.

1. It is the responsibility of the installing electrician to be sure all local, state, and national electrical codes are met and to provide electrical service up to the control box with proper branch service protection and an approved means of disconnect.
2. The control box is provided with class CC protective fusing for the transformer.
3. The incoming power terminals in the control box will not accommodate wires larger than 10AWG.
4. All control boxes should be mounted on the inside of the building regardless of door mount side.
5. All drilled holes, and conduit run into the control box must be through the bottom of the control box.



WARNING

Make sure to barricade the door opening on both sides to prevent unauthorized use until the door has been completely installed.

NOTICE

Damage or debris may fall into electrical components causing failure or severe equipment damage, when drilling holes in the box.
DO NOT turn control box upside down or go too deeply into the box.

NOTICE

In freezer and cooler applications where a conduit passes from a warm to cold temperature zone, the conduit must be plugged with epoxy. This will help prevent condensation from forming in the conduit. For more information, see Section 300-7a of the National Electric Code.

INTEGRAL CONTROL PANEL:

1. For an Integral control panel, run the power supply cable (by others) into the sideframe at the control panel height. The control panel is covered with a PVC material for protection.

CONTROL BOX:

2. Mount the control box on a wall adjacent to the door at approximately 54" [1372] above the floor level and a minimum of 6" [152] from door side frame. All holes drilled through the control box must be through the bottom of the box, [Figure 20.1](#).
3. Cables (B) with connectors on one end are provided for the motor, brake, limit switches and photoeye's and will need to be terminated to the control panel. The cables will be enclosed in flexible liquid tight conduit. A conduit mounting bracket is provided in the sideframe, [Figure 18.2](#).
4. The motor ground cable must be grounded to the sideframe at the conduit holder using the tek screw and star washer provided.
5. Connect wiring as indicated by the device field wiring schematic (if standard) or inside the parts or control box. Incoming 3-phase power must connect into terminals L1, L2, and L3. Ground must attach to the green/yellow terminal.
6. Suggested fused disconnect box location (C) (supplied by others).
7. Incoming voltage (D) (see chart wiring schematics for acceptable voltages)

NOTE: Electrical prints included in the parts or control box, supersede any prints included in this owner's manual on [Pages 33-36](#). Always check parts or control box for prints.

CHAPTER 3 - ELECTRICAL INSTALLATION

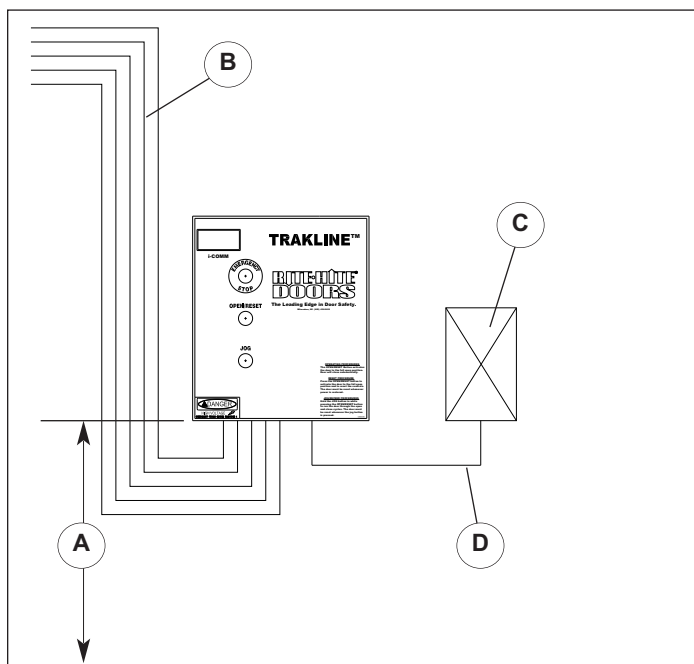


Figure 18.1

1. Push button controls: E-Stop (E), open button (F) and jog button (G).
2. Example of mounting electrical box plate to sideframe for conduit holder (not supplied) (H).
3. Integral control box station (I).
4. Sideframe (J).
5. Optional conduit holder for control box cable (K).
6. Shroud (L).

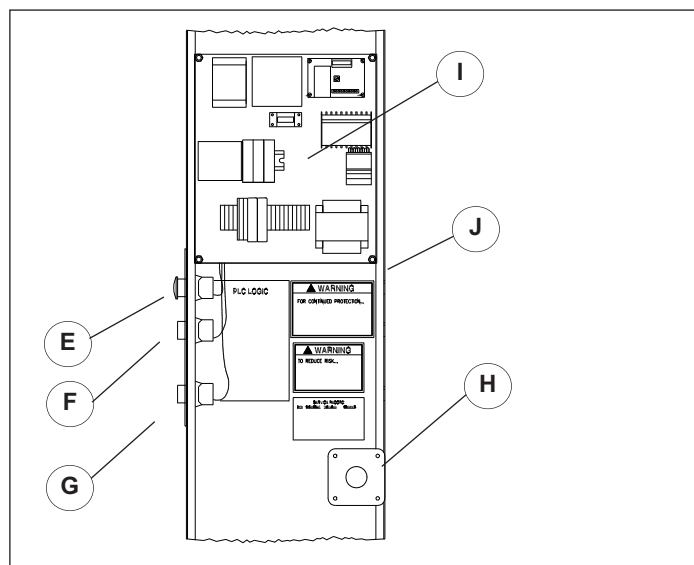


Figure 18.2

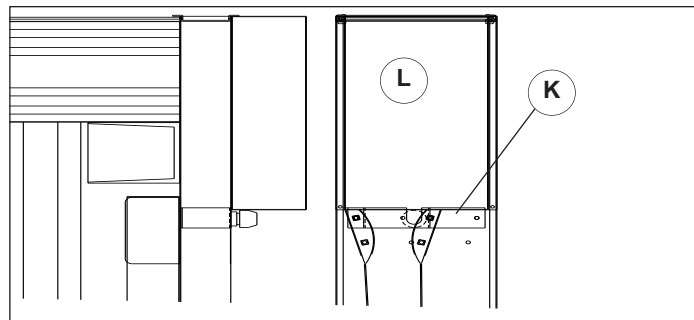


Figure 18.3

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CHAPTER 3 - ELECTRICAL INSTALLATION

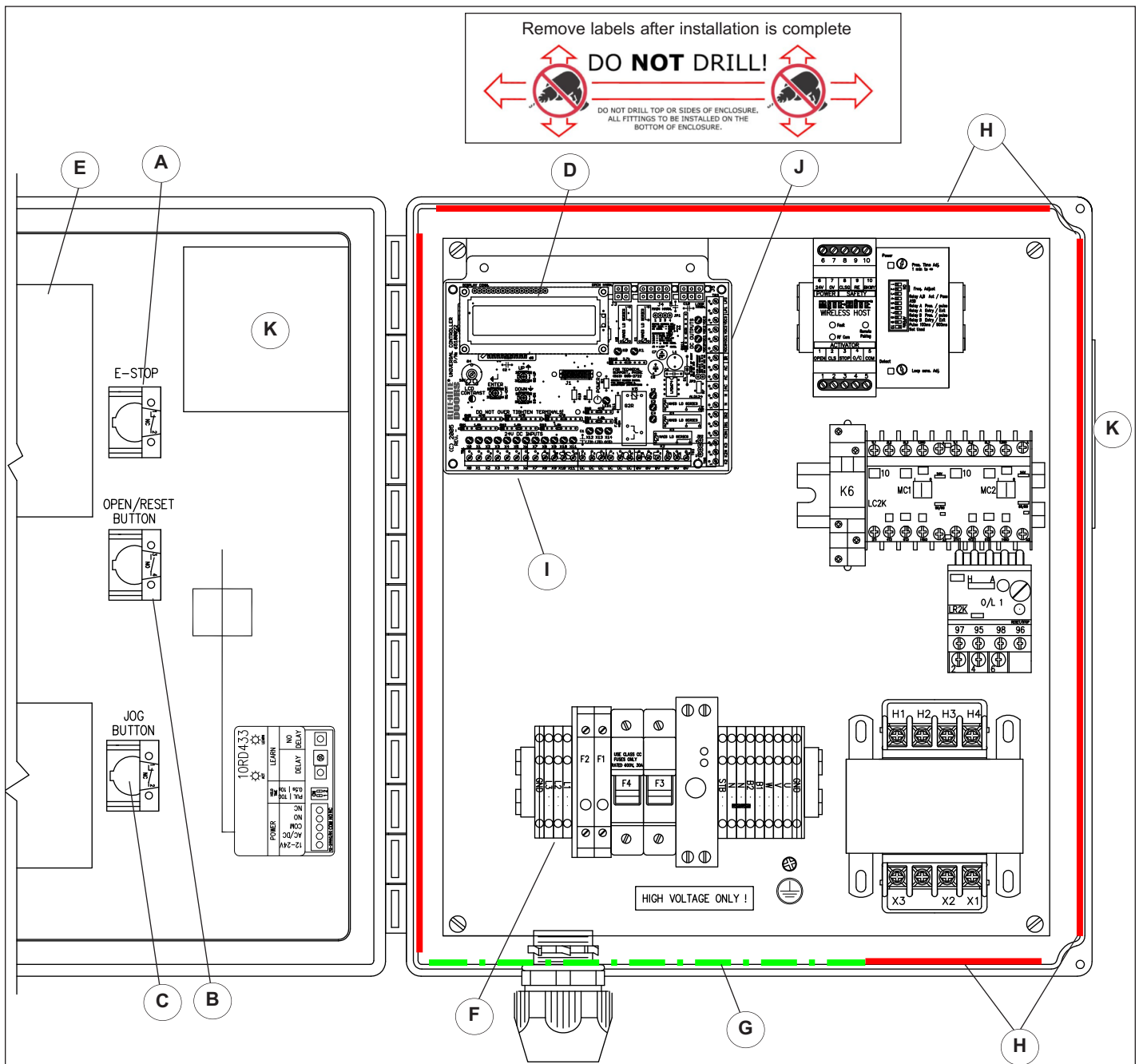


Figure 20.1

1. The red E-Stop button (A) stops door operation. To stop door operation, push the button. Whenever the door operation is stopped by using the E-Stop, you must press the "OPEN/RESET" button to reset and open the door.
2. The green "OPEN/RESET" button (B) opens and resets the door after a fault. To "OPEN", press and release the button. The i-COMM will automatically close the door after the preset time has expired.
3. The black jog (C) button is used when the door is in a fault.
4. The i-COMM (D) is used to control all functions of the door.
5. Label (E) inside control box that is a ready reference to the i-COMM inputs and outputs, [Page 21](#).
6. Incoming power terminals L1, L2, L3, ground (F).
7. Green bold dashed line (G) indicates safe area for drilling holes.
8. Red bold solid line (H) indicates un-safe area for drilling holes
9. Illuminated input Led's (I).
10. Illuminated output Led's (J).
11. Serial # label (K).

CHAPTER 3 - INPUT / OUTPUT TABLE



TRAKLINE™ SERIES i-COMM™ LOGIC TABLE

NAME	INPUT FUNCTION	STATE TABLE *	COMMENTS
	Func.	O C Ro Rc	
X0	Open Limit Switch	Ø 1 1 1	Off when door passes switch
X1	Close Limit Switch	1 Ø X X	Off when door passes switch
X2	2 ___ User Input (Activation) (4)	X X X X	On to open door (4)
X3	2 ___ User Input (Activation) (4)	X X X X	On to open door (4)
X4	Non-Dedicated	X X X X	Non-Dedicated
X5	3 ___ Toggle Command (4)	X X X X	On to toggle open or close (4)
X6	2 ___ Activation Command - Open (4)	X X X X	On to open door (4)
X7	2 ___ Activation Command - Open (4)	X X X X	On to open door (4)
X8	I-Zone™ Sensor #1 (3)	X X X 1	Off to reverse & hold open (3)
X9	I-Zone™ Sensor #2 (3)	X X X 1	Off to reverse & hold open (3)
X10	Photoeye - Reverse Door	X X X 1	Off when photoeyes blocked
X11	Photoeye - Reverse Door	X X X 1	Off when photoeyes blocked
X12	Open/Reset Switch (1)	X X X X	On to reset from fault (1)
X13	Induction Loop Activation (1)	X X X X	On to open door (1)
X14	Fault Input	1 1 1 1	Must be on to run - If off, check e-stop or overload

NAME	OUTPUT FUNCTION	STATE TABLE *	COMMENTS
	Func.	O C Ro Rc	
K0	Run Open	Ø Ø 1 Ø	On to open door
K1	Run Close	Ø Ø Ø 1	On to close door
K2	Sensor Switch Disable	1 1 Ø Ø	On when door opened and door closed
K3	Ø ___ User Out (Interlock) (4)	Ø 1 Ø Ø	User selectable output (4)
K4	Fault	1 1 1 1	On when not in fault
K5	Fault	1 1 1 1	On when not in fault
YDC0	2 ___ User Out (Preannounce) (4)	X Ø Ø 1	User selectable output (4)
YDC1	20 ___ User Out (4)	X X X X	User selectable output (4)
YDC2	20 ___ User Out (4)	X X X X	User selectable output (4)
YDC3	20 ___ User Out (4)	X X X X	User selectable output (4)
J3-1	Non-Dedicated	Ø Ø Ø Ø	Non-Dedicated
J3-2	I-Zone Alarm	X X X X	On during I-Zone alarm (3)

Timer Adjustment

1. PRESS [ENTER], Controller will stop and fault door.
 2. Press [UP] until desired timer is displayed, display will read "Set Close Timer" or "Set Preannounce".
 3. Press [ENTER], Display will show current timer value.
 4. Using [UP] & [DOWN] keys select desired time.
 5. Press [ENTER] to return to Main Menu.
 6. Press [DOWN] until exit is displayed.
 7. Press [ENTER] to save values.
 8. Reset Door.
- Preannounce Timer is the amount of time the Preannounce to close output will be on before door closes.
- Close Timer is the amount of time the door will remain open before the preannounce to close timer activates

* KEY:

O = Open State Ø = OFF
 C = Closed State 1 = ON
 Ro = Running Open X = May be ON or OFF
 Rc = Running Close

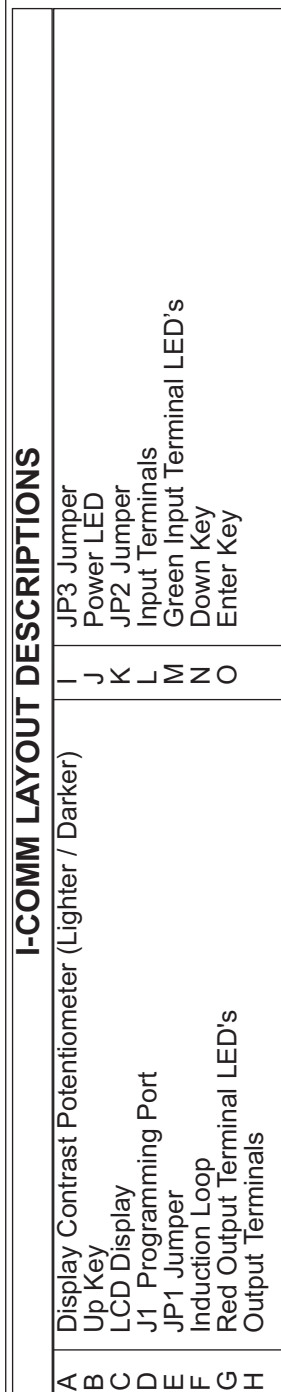
NOTES:

- (1) Device operation can be changed through menu. Consult i-COMM manual for additional details.
- (3) Optional used only for I-Zone sensor system
- (4) Default setting shown in table & comments. Record any changes on space provided. Consult i-COMM manual for additional details.

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CHAPTER 3 - I-COMM DISPLAY MESSAGES

LCD DISPLAY MESSAGES:			
TOP DISPLAY	BOTTOM DISPLAY	REASON / FAULT MESSAGES	ACTION REQUIRED
Door Faulted	Limit Failure Limit Pulse Fail Low Voltage Menu Interrupt Normal Power Up Obstruction Open Time Limit Reset From Sleep System Clock read Unknown Unknown State VFD Trip # xxx Watchdog Timer	Limit switch has failed n/a Drop in voltage caused controller to restart Menu Interrupted Indicates Loss of Power Door has detected obstruction and reversed 3 times Run open time limit exceeded Indicates the controller was awoken from sleep mode System clock failed Unknown fault State unknown Inverter is in fault. xxx Indicates the active inverter fault Indicates the boards watchdog timer has reset <u>DOOR IS OPENING</u>	Service Required* Push Open/Reset* Push Open/Reset* Push Open/Reset* Inspect & Reset* Service Required* Service Required* Service Required* Service Required* Service Required* Push Open / Reset Service Required*
Door is Opening			
Door is Open Stand Clear	Activation On Closing in xx.xs Waiting for cmd.	<u>DOOR IS OPEN</u> When not in preannounce to close When in preannounce to close Indicates activation on (overrides timer display) Displays closing time in seconds Indicates door is waiting for manual close cmd. <u>DOOR IS CLOSING</u>	None None Device Holding Open None Close Door
Stand Clear	Door Closing		None
Door Closed Door Closed	Cycles: xxxxxx Interlock Active	<u>DOOR IS CLOSED</u> Displays cycle count Door is interlocked and cannot be opened	None Perform Interlocking
Door Stopped	Push Open/Close	<u>DOOR IS STOPPED</u>	Open/Close Door



CHAPTER 3 - I-COMM DISPLAY MESSAGES

Operation of the door is not possible when using the menu system.

1. To enter the menu press the ENTER key, the Controller will stop and fault the door.
2. Use the arrow keys (Up and Down) to navigate through the choices
3. When the desired item is selected press enter to view the value or setting.
4. Use the arrow keys to change the value if needed. Once editing is completed press ENTER to return to the main menu.
5. **When settings are completed, scroll to the "Exit" option in the main menu and press ENTER.**
6. Changes are not saved until the menu mode is exited. Turning power off while in the menu mode will cancel all changes.

Display Cycle Count	Read-Only	Displays current cycle count for the door.
Set Close Timer	Read/Write	Displays and sets current close timer. This time plus the Preannounce Timer will be the amount of time the door will stay open. Setting the Close Timer to 0 will place the door in toggle mode. In toggle mode the reclose timer will be disabled. (Valid Range: 1-255 seconds, with 0 = Toggle Mode)
Set Preannounce	Read/Write	Displays and sets Preannounce to close timer. This time plus the Close Timer will be the amount of time the door will stay open. (Valid Range: 0-255 seconds)
Display Model #	Read-Only	Displays door model.
Set Loop Func.	Read-Write	Valid Choices are: Auto Close Mode - Loop board will open and reverse door. (Note: Door will not close is Toggle Mode is enabled (Close Timer = 0)) Rev/Hold Open - Loop board will only reverse door. Loop will not open door from fully closed.
Set Open PB Func	Read-Write	Valid Choices are: Auto Close Mode" - Push button will open and reverse door. (Note: Door will not close is Toggle Mode is enabled (Close Timer = 0)) Toggle Mode - Places the Open/Reset button in Toggle. Push the Open/Reset once to open the door and again to close. Note reclose is disabled when door has been opened via Toggle. Reset/Jog Only - Open/Reset button will only reset and jog the door. If pressed while door is traveling close, door will reverse to open. (If Reset Only is required without opening door please consult applications or Rite-Hite Door Technical Support)
Output Definition	Read-Write (see chart)	Use to change functions of outputs where allowed. (YK2 Relay K2), YK3 (Relay K3), YDC0, (Note: Outputs which are not changeable will display "Not Adjustable") YDC1, YDC2, YDC3
Input Define	Read-Write	Use to change functions of inputs where allowed. X2, X3, X5, X6, X7 (Note: Inputs which are not changeable will display "Not Adjustable")
Language	Read-Write	Use to change language of the menus. Select Additional Languages (i.e., Spanish)
Fault History	Read-Only	Displays Last five faults as codes. Use arrows to provide a detailed description of each fault code displayed. See details below.
Partial Config	Read-Write	Consult Technical Support (=/> Version 2.2.5)
Open Alm Time	RW - #25	Use to set time alarm on when door open
Clock	Read/Write	Displays date and time.
Passcode	Read/Write	Consult Customer Service.
Copy from Loader	Write-Only	Copies program from loader to i-COMM. Use up arrow to start copy process. See details below.
Copy to Loader	Read-Only	Copies program in i-COMM to loader. Use up arrow to start copy process. See details below.
Exit [Enter]	Read-Only	Use to exit menu system and save changes.

PROCEDURE FOR USING DOWNLOADER CHIP:

1. Turn power off.
2. Plug in downloader chip.
3. Turn power on.
4. Press ENTER.
5. Scroll to "Copy From Loader".
6. Press ENTER and UP key to start copy process.
7. When complete, turn power off and remove loader.
8. Restore power and operate door.

PROCEDURE FOR ADJUSTING RECLOSE TIMER:

1. Press ENTER key.
2. Use UP key to scroll to "Set Close Timer".
3. Press ENTER key.
4. To increase reclose time, press UP key.

5. To decrease reclose time, press DOWN key.
6. Press ENTER when complete.
7. Scroll to EXIT.
8. Press ENTER to save changes.

PROCEDURE FOR CHECKING FAULT HISTORY:

1. Press ENTER key.
2. Use UP / DOWN keys to scroll to "Fault History".
3. Press ENTER key.
4. This displays the last 5 faults in numerical code.
5. For a detailed view, press the UP key to scroll through the fault codes.
6. Press ENTER when complete.
7. Scroll to EXIT.
8. Press ENTER, operate door.

CHAPTER 3 - I-COMM DISPLAY MESSAGES

Default Value for Output (Factory Configuration)							Default Value for Input (Factory Configuration)							
Model:	YK2	YK3	YDC0	YDC1	YDC2	YDC3	X0	X1	X2	X3	X4	X5	X6	X7
TrakLine	n/a	0	2	20	20	20	n/a	n/a	n/a	2	n/a	3	2	2

n/a = Not available for change

Valid Values for Output Settings		Valid Values for Output Settings	
Value	Function	Value	Function
0	On when door closed (Interlock Out)	16	On during sequential activation
1	On when door Not Closed	17	On when not running open
2	On during preannounce to close	18	On when not running close
3	On when door full open	19	On when not running (open or close)
4	On when door not full open	20	Output Disabled
5	On when door faulted	21	Flash 3Hz (=/> Version 2.2.5)
6	On when door not faulted	22	Flash 2Hz (=/> Version 2.2.5)
7	On when activation command	23	Partial Timer
8	On during run Open	24	Act rev I-Zone Pass
9	On during run Close	25	Door Open Alarm
10	On during run (Open or Close)	26	Interlock Out N.O.
11	On when door on limit (open or close)	27	Interlock Out N.C.
12	On when I-Zone alarm	28	Preannounce and Close
13	On when door open for 30 seconds	29	Photoeye Test
14	On when door open for 60 seconds		
15	On when door open for 120 seconds		

Valid Values for Input Settings:

Value	Function	Description
0	Interlock In	Allows door to open (Only Available for inputs X2, X3 & X5) (Note: Interlocking is disabled if no inputs are defined as interlock)
1	Stop	Stops door (Normally-Closed)
2	Activation	Opens Door
3	Toggle	Opens/Closes Door
4	Close	Closes door
5	Sequential Act.	Opens Door
6	Reverse	Reverses or Holds open door
7	Stop	Stops door (Normally-Open)
8	Manual Open	Opens door (used for open-close-stop, normal activation will not resume from stop)
9	Auto/Man	Places Door in Toggle Mode when input is on.
10	Partial Open Activation	(8000/CL/XL/8900) (=/> Version 2.2.5)
11	Partial Open Toggle	(8000/CL/XL/8900) (=/> Version 2.2.5)
12	Toggle / Auto	Toggle with Automatic close (=/> Version 2.2.5)
13	Hand / Auto	Consult Customer Service
14	Disable	Disables Input
15	Reverse N.C.	Reverses or Holds open door using normally close contacts
16	Clean	n/a

CONNECTOR TABLE

CONNECTOR	PIN #	This table shows the function of each of the connectors on the i-COMM controller. The voltages listed for each pin assume that either the input or output is activated.				
J3	1	FLASHING LAMP OUT	UNUSED OUTPUT	FLASHING LAMP OUT	FLASHING LAMP OUT	FLASHING LAMP OUT
	2	I-ZONE ALARM OUT	I-ZONE ALARM OUT	UNUSED	UNUSED	UNUSED
	3	DC POWER OUT	DC POWER OUT	DC POWER OUT	DC POWER OUT	DC POWER OUT
	4	RESET INPUT (X12)	RESET INPUT (X12)	RESET INPUT (X12)	RESET INPUT (X12)	RESET INPUT (X12)
J4	1	UNUSED	UNUSED	UNUSED	UNUSED	UNUSED
	2	DC COMMON INPUT	DC COMMON INPUT	DC COMMON INPUT	DC COMMON INPUT	DC COMMON INPUT
	3	DC POWER INPUT	DC POWER INPUT	DC POWER INPUT	DC POWER INPUT	DC POWER INPUT
	4	24VAC INPUT	24VAC INPUT	24VAC INPUT	UNUSED	24VAC INPUT
	5	24VAC COMMON (N)	24VAC COMMON (N)	24VAC COMMON (N)	UNUSED	24VAC COMMON (N)
	6	OPEN/CLOSE CO	OPEN/CLOSE COM	OPEN/CLOSE COM	OPEN/CLOSE COM	OPEN/CLOSE COM
	7	CLOSE OUTPUT (K1)	CLOSE OUTPUT (K1)	INVERTER OUT 2(K1)	CLOSE OUTPUT (K1)	CLOSE OUTPUT (K1)
	8	OPEN OUTPUT (K0)	OPEN OUTPUT (K0)	INVERTER OUT 1 (K0)	OPEN OUTPUT (K0)	OPEN OUTPUT (K0)
J5	1	LOOP INPUT 2	LOOP INPUT 2	LOOP INPUT 2	LOOP INPUT 2	LOOP INPUT 2
	2	LOOP INPUT 1	LOOP INPUT 1	LOOP INPUT 1	LOOP INPUT 1	LOOP INPUT 1
	3	DC POWER OUT	DC POWER OUT	DC POWER OUT	DC POWER OUT	DC POWER OUT
	4	DC COMMON OUT	DC COMMON OUT	DC COMMON OUT	DC COMMON OUT	DC COMMON OUT
	5	DC POWER OUT	DC POWER OUT	DC POWER OUT	DC POWER OUT	DC POWER OUT
	6	LOOP INPUT (X13)	LOOP INPUT (X13)	LOOP INPUT (X13)	LOOP INPUT (X13)	LOOP INPUT (X13)

CHAPTER 3 - PHOTOEYE ADJUSTMENT

1. Make sure all photoeyes are plugged in. If the thru-beam option is chosen, the non-drive photoeye cable will be run across thru d-rings on the rear header brace (A) through grommets in each sideframe (B).

2. Locate the photoeye assemblies in the sideframe, **Figure 26.1**.

E - Thru-Beam photoeye cable w/2 plugs for Integral control station.

F - Thru-Beam photoeye cable w/3 plugs for control box.

G - Non-Drive Thru-Beam photoeye's w/plugs for control box or integral control station

H - Drive Side Thru-Beam photoeye w/cable and plug for control box

I - Drive Side Thru-Beam photoeye w/cable for integral control station

3. Plug in the cable from the non-drive sideframe to the header cable. Plug in the header cable and the drive side cable into the control box cable, **Figure 26.1**.
4. The yellow LED (L) should be on when the thru-beam photoeye (emitter) is powered up, if it is not on, check plug in connections, and proper wire terminal connections.

5. If the red and green LED's (M) are OFF, either the beam is blocked or the photoeye (J) is out of alignment. If necessary re-aim the photoeye by using the adjustment screws (K) on the sideframe assembly around the photoeye, **Figure 26.2**. The bottom screw allows for vertical adjustment and the two side screws adjust horizontal alignment. Rotate the screw until the red and green LED's turns ON.

CONTROL BOX

For thru-beam installation with a control box (C), all photoeyes will have plugs that attach to the plugs on the cables that run back to the control box, **Figure 26.1**.

INTEGRAL CONTROL STATION

For thru-beam installation with a integral control station (D), the non-drive sideframe photoeyes will have plugs that attach to the plugs on the cable that runs back to the control station, the driveside photoeyes, will be wired directly to the control station, **Figure 26.1**.

NOTE: Make sure to secure electrical cables away from counter weight, belting and pulley. Photoeyes are preset at the factory for sensitivity (N) and light mode (P). Field adjustment should not be required, **Figure 26.3**.

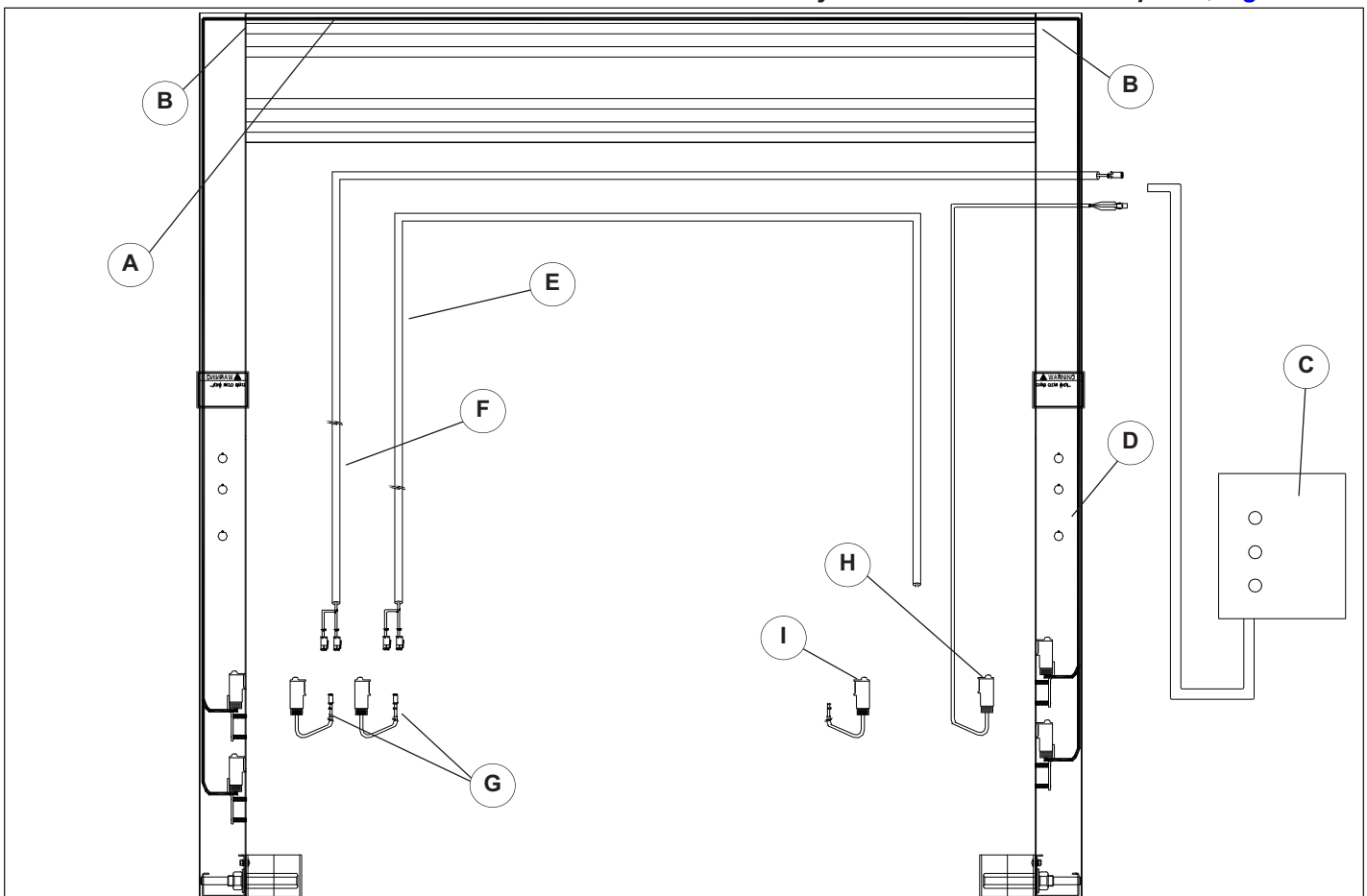


Figure 26.1

CHAPTER 3 - PHOTOEYE ADJUSTMENT

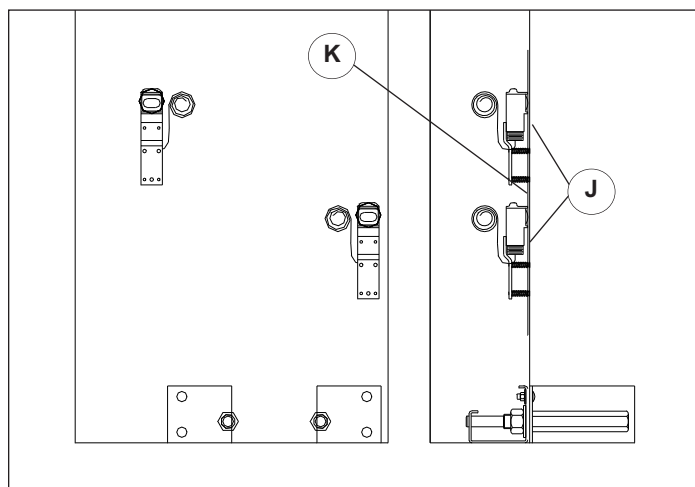


Figure 26.2

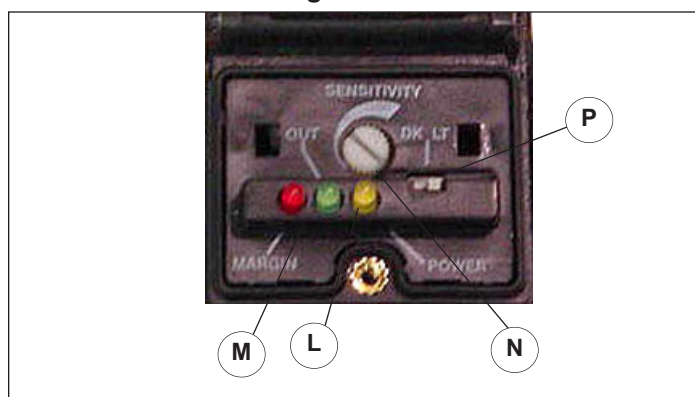


Figure 26.3

SIDEFRAME COVER INSTALLATION

1. Locate the proper sideframe covers labeled "DRIVE, NON-DRIVE, UPPER, LOWER" and slide into the groove, [Figure 26.4](#).
2. Locate the proper length of lower sideframe cover (A) and slide down into the groove (B).
3. Repeat procedure for the opposite sideframe.
4. Snap edging (D) onto front surface.

NOTES:

Plastic extrusions (C) are pre-assembled onto each sideframe edge.

The bottom section is easily removable to gain access to items at the bottom of the sideframe.

If the steel sideframe cover option is chosen, simply tek screw the steel sideframe covers at the holes provided to the sideframe lip.

SHROUD INSTALLATION

1. Locate drive shroud and the hardware from the parts box, [Figure 26.5](#).
2. Fasten to drive sideframe (A) by sliding the back side of shroud under the 3 screws and using the 3 tek screws provided, fasten the front side.

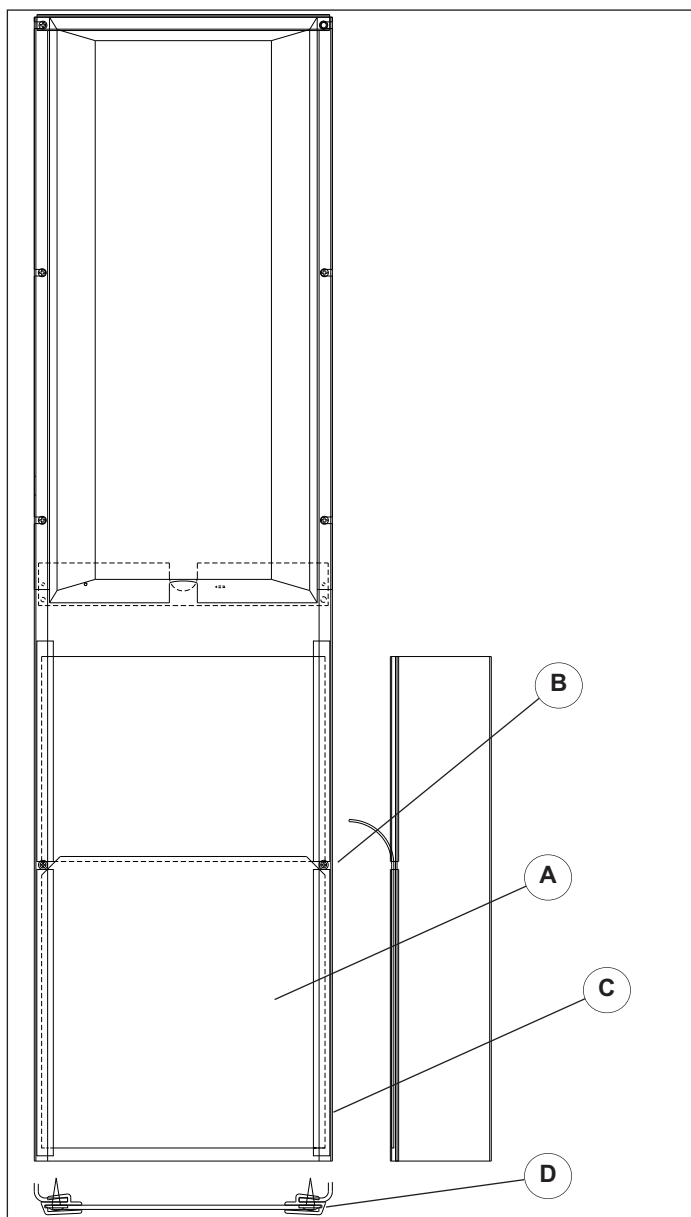


Figure 26.4

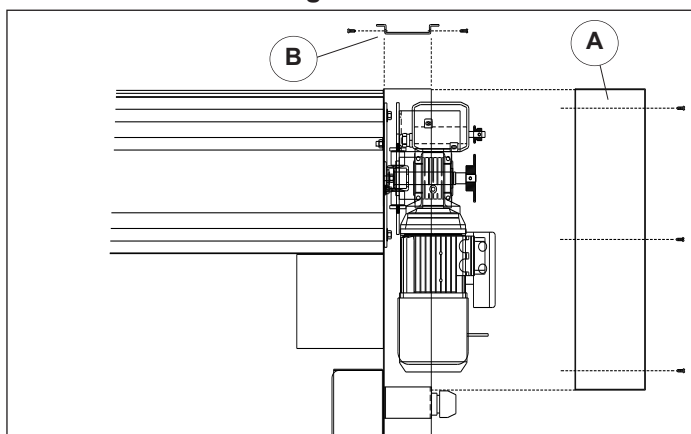


Figure 26.5

3. Install top cover (B) (not included on Interior mounted doors) to the top of the sideframe using the screws provided.

CHAPTER 3 - LIMIT SWITCH ADJUSTMENT

NOTE: Setting the limits is based on drive location.

1. Loosen the two phillips screws and remove cover.

NOTE: STEPS 2 - 10 ARE FOR A ROLL DOOR.

2. Measure from the floor to the bottom of the curtain with the door in the full open position, adjust the curtain to manufactured opening size.
3. Loosen the center locking screw (A) and turn the open limit switch cam (B) locking screw labeled #2 (C) until you hear the contact click, input X0 LED will also be off, **Figure 28.1**
4. For a Right Hand drive door turn the #2 open limit switch screw clockwise to raise the door and counter-clockwise to lower the door.
5. For a Left Hand drive door, turn the #2 open limit switch screw counter-clockwise to raise the door and clockwise to lower the door.
6. Tighten center lock screw.
7. Manually lower the door to the closed position. Adjust the closed limit switch (D) by loosening the center locking screw and turn the cam locking screw labeled #1 (E) until you hear the contact click, input X1 LED will also be off, **Figure 28.1**. Tighten the center locking screw.
8. For a Right Hand drive door turn the #1 close/photoeye limit switch screw counter-clockwise to raise the door and clockwise to lower the door. The first lobe #3 (F) will be the photoeye shut-off, input X1 LED will pulse off then on as it goes by and will stay off when it hits the second lobe for the closed position.
9. For a Left Hand drive door, turn the #1 close/photoeye limit switch screw clockwise to raise the door and counter-clockwise to lower the door. The first lobe #3 will be the photoeye shut-off, input X1 LED will pulse off then back on as it goes by and will stay off when it hits the second lobe for the closed position.
10. Making sure everyone is clear of the door, jog the door by pressing both the green open/reset and black jog button on the front of the s/f or control box to raise the door to the height opening size.

NOTE: STEPS 11 - 18 ARE FOR A FOLD DOOR.

11. With the door in the closed position, adjust the closed limit switch, by loosening the center locking screw and turn the cam locking screw labeled #1 until you hear the contact click, input X1 LED will also be off, **Figure 28.1**. Tighten the center locking screw.

12. For a Right Hand drive door turn the #1 close/photoeye limit switch screw counter-clockwise to raise the door and clockwise to lower the door. The first lobe #3 will be the photoeye shut-off, input X1 LED will pulse off then on as it goes by and will stay off when it hits the second lobe for the closed position.
13. For a Left Hand drive door, turn the #1 close/photoeye limit switch screw clockwise to raise the door and counter-clockwise to lower the door. The first lobe #3 will be the photoeye shut-off, input X1 LED will pulse off then back on as it goes by and will stay off when it hits the second lobe for the closed position.
14. Measure from the floor to the door manufactured height opening size.
15. Making sure everyone is clear of the door, jog the door by pressing both the green open/reset and black jog button on the front of the s/f or control box to raise the door to the height opening size.
16. Loosen the center locking screw and turn the open limit switch cam locking screw labeled #2 until you hear the contact click, input X0 LED will also be off, **Figure 28.1**.
17. For a Right Hand drive door turn the #2 open limit switch screw clockwise to raise the door and counter-clockwise to lower the door.
18. For a Left Hand drive door, turn the #2 open limit switch screw counter-clockwise to raise the door and clockwise to lower the door.
19. The limit switches are normally closed, the input LED's will be on all the time, unless the limit cam lobe is tripped or activated.
20. Fine tuning of the limits may be necessary. This will be determined by running the door up and down.
21. If the door has an optional alternate open (G) adjust to the desired alternate height using the same procedures as with the open and close limits, **Figure 28.2**.

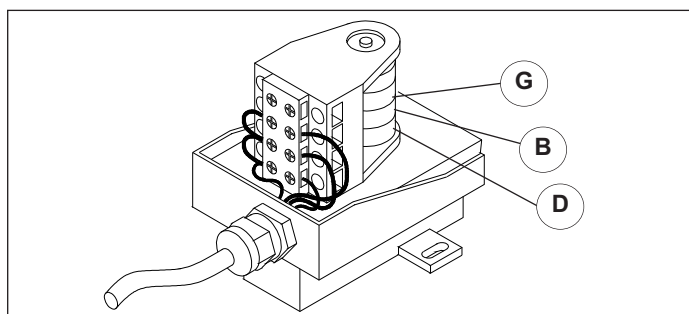


Figure 28.2

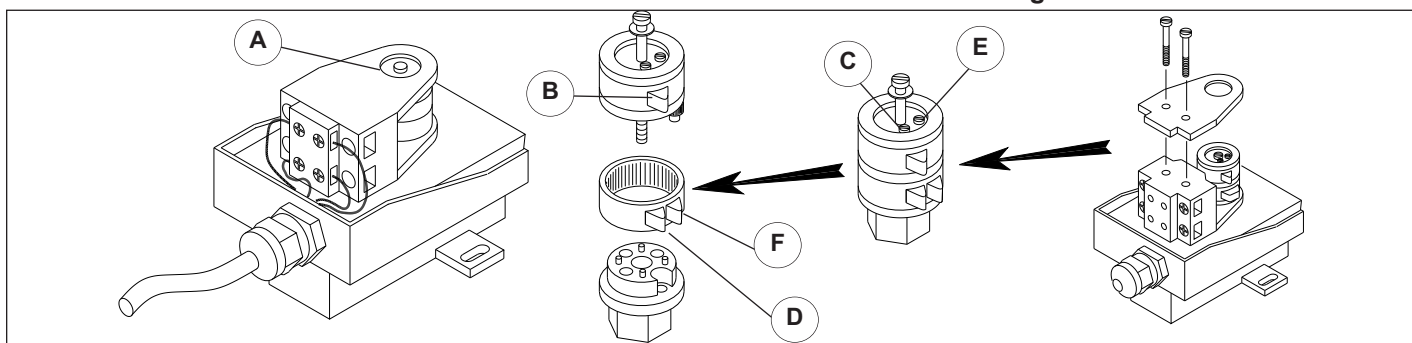


Figure 28.1

CHAPTER 4 - MAINTENANCE PROCEDURES

START-UP PROCEDURES

BEFORE START-UP OPERATION OF DOOR CAN BE DONE, ALL OF THE FOLLOWING MUST BE COMPLETED.

1. All mounting hardware must be tightened.
2. Both photoeye's must be adjusted with red, green and yellow LED's on.
3. The correct motor phase of the door has been verified. With the E-Stop button pulled out, press the open/reset button. Door must open when the green open button is pressed, allow the door to time out and close, if MC2 pulls in reverse two motor leads.
4. Open and close limit switches have been adjusted.
5. Optional counterbalance has been properly installed.
6. Curtain is placed between the V-Flex straps, hanging straight and it is not angled and rubbing the sideframe.
7. Do not wire activation devices until the door is operated.

OPERATING PROCEDURE

1. To operate the door, simply press the green open button on the front of the control box, the door should go to the full open position.
2. Normal settings are set to auto-reclose, and once the open button is pressed the door will open, time out per the setting of the re-close timer on the i-COMM and close.
3. The door can be equipped with several types of activation devices that can open or close the door and can be setup to either auto-reclose or toggle mode.
4. For toggle mode, the door can be setup such that if a device is used to open the door, it or another device needs to be reactivated to close the door.

ACTIVATION DEVICE INSTALLATION

1. Proceed to install activation devices and verify operation.

NOTE: *Electrical prints included in the parts or control box, supersede any prints included in this owner's manual on [Page 33-36](#). Always check parts or control box for prints.*

Limit Switch

RITE-HITE® DOORS PLANNED MAINTENANCE Model 8910/20/PL TRAKLINE™ TRAKLINE™ PL										
CUSTOMER:				SO#			SERIAL#			DATE:
Periodic Cycle Check: Planned Maintenance		Recommended P.M. Intervals (Time Shown In Months)							Inspect and Perform the Following (See Manual)	
		1	4	8	12	18	24	30		36
Brake			•		•		•		•	Perform manual test by releasing brake and making sure door stops in the desired position.
Chain					•		•		•	Inspect for wear, tighten or replace as required. Lubricate.
Controls					•		•		•	Clean and check all connections.
Covers					•		•		•	Make sure sideframe and header covers are installed.
Curtain					•		•		•	Clean with Isopropyl alcohol or warm soapy water. DO NOT use abrasive cleaner on vision. Make sure curtain is tracking straight.
Gearbox					•		•		•	Check for unusual noise. Check fluid level.
Header					•		•		•	Check mounting hardware connections. Blow dust and debris from the header.
Limit Switch			•		•		•		•	Check open and close positions, and chain is tight.
Motor					•		•		•	Check for normal operation, check connections.
Photoeyes			•		•		•		•	Check alignment, adjust as required. Check all connections. Wipe lens or reflectors clean.
Seals			•		•		•		•	Check for wear and tear. Make sure seals are sealing at the header and sideframe locations.
Sideframe					•		•		•	Inspect for damage. Check all mounting hardware.
Stabilizer Bars					•		•		•	Inspect bars for damage, straighten or replace.
Straps			•		•		•		•	Inspect for wear and tear, replace as required. Make sure straps are tight, and tension pin nuts are tight.
Strap Clamps (Fold Door Only)					•		•		•	Make sure lifting straps and clamps are tight and curtain is sealing at the floor.

CHAPTER 4 - TROUBLESHOOTING

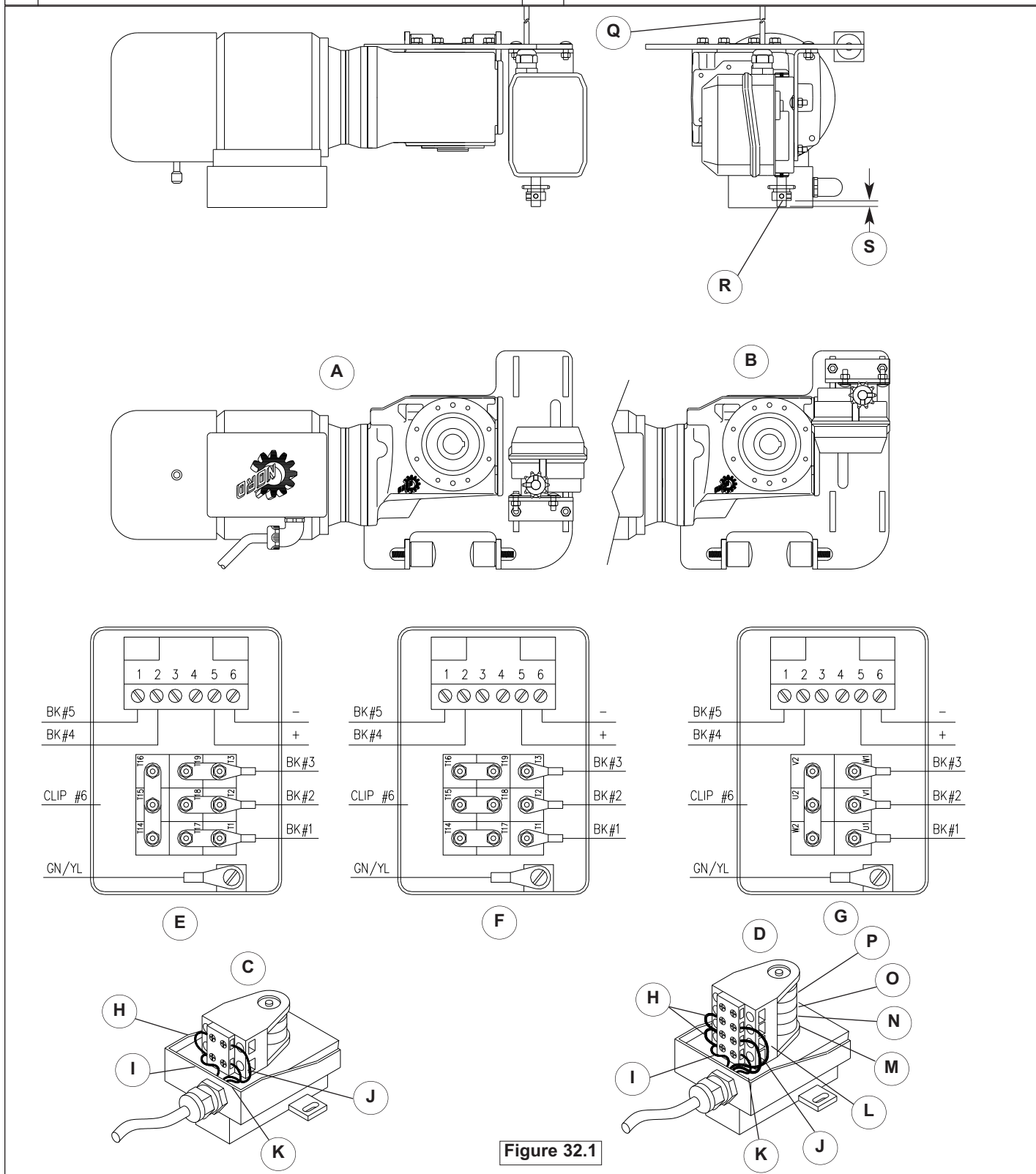
ITEM	FUNCTION
Activation Devices	Operate the door system with all activation devices. Make sure that the door fully opens and closes after the time set on the re-close timer has expired. If you have wired the devices in toggle mode, operate the device twice to verify that the door will open with an activation and close with an activation. All activation devices use a set of normally open contacts. For activation questions, refer to the Activation Manual or Page 36 .
Brake	If the brake is not functioning properly, check the following: a) Check F1 fuse-replace. b) Brake wiring at terminals B1 & B2 and plug in connections. c) The brake rectifier should put out 90-110VDC. d) 120V brake will have 290 ohms on normal readings. (must be checked after the rectifier). (Previous generation brakes will have 350 ohms)
Contactor MC1 Open	MC1 contactor is the open contactor, and when an open command is given the contactor pulls in and opens the door. The contactor must have the same voltage on all 3 legs going in and out in order for the motor to run.
Contactor MC2 Closed	MC2 contactor is the closed contactor, and when an close command is given the contactor pulls in and closes the door. The contactor must have the same voltage on all 3 legs going in and out in order for the motor to run.
Control Box	The control box is a fuse protected NEMA 4X. Standard controls include open/reset button, curtain jog button and a mushroom E-stop. Voltages can be 208V, 230V, 400V, 460V, and 575V 3-phase.
Counter-Weight Option	The door can be equipped with a Counter-Weight option and in the event of a power outage the door can be opened.
Roll Door Curtain	The curtain is a heat sealed vinyl material. The curtain consists of fiberglass stabilizer bars that maintain the curtain in the guide straps under normal operation. The door comes standard with an 18" [457] tall vision located 57" [1448] off the floor.
Fold Door Curtain	The curtain is a heat sealed vinyl curtain. The curtain consists of fiberglass stabilizer bars that maintain the curtain in the guide straps under normal operation. The door has optional 13" tall oval visions located 56" off the floor.
D.O.H./D.O.W.	Door Opening Height or Door Opening Width
Door Operation and Controls	The door operations are controlled by an i-COMM Universal Controller. The i-COMM is set-up and programmed during testing at the factory. Unless you are a RITE-HITE DOORS, INC. authorized service technician, you should not attempt to change the factory set program. A quick way of determining that the door is ready to operate normally is to open the control box and look for the green LED lights to be ON (Illuminated) at the X INPUTS and the Y OUTPUTS. Refer to the Input/Output logic table located on Page 21 of this manual. If the door fails to function, contact your local RITE-HITE DOORS, INC. representative or Technical Support at 563-589-2722.
Drive Switch	The following is required when switching drive sides in the field: New limit switch chain, switch photoeye's & sideframe covers, reverse anti-rotation plate. If Fold door, reverse lifting straps
E-Stop Button	The disconnect switch is in line with terminals L1, L2, L3, and removes power from the entire control box, except for terminals L1, L2, L3.
F1 Fuse	F1 Fuse is for 120VAC devices and receives power from the X1& X3 transformer taps. The F1 fuse protects the brake and 120VAC pre-announce devices at terminals B1, S2, and S4. The fuse is a 1 amp slow blow fuse.
F2 Fuse	F2 Fuse is for 24VAC devices and receives power from the X1& X2 transformer taps. The F2 fuse protects the photoeyes, relays, outputs and all 24VAC activation devices. The fuse is a 2 amp slow blow fuse.
F3 and F4 Fuses	F3 and F4 Fuses are fuses for the incoming power and they protect the Transformer, the contactor's, overload, motor and the entire control box. The fuse is a 1/2 amp for 380V-575V and 1 amp for 208V-240V KLDR slow blow fuse.
Header Top Seal	The header top seal is used to seal the top of the door. It can be adjusted by removing the seal from the hook and loop fastener on the curtain and positioning it so it provides a good seal.
i-COMM Controller™	The i-COMM controller is a circuit board that controls the actions of the door. There is a digital display that shows the cycles, status and position of the door at any time during its travel. For input and output function signals, refer to chart on Page 21 . Settings can be changed for re-close or pre-announce timers, interlocks, special activation commands, among many others, refer to instructional manual included.
Integral Interlock	The mechanical interlock prevents both the MC1 & the MC2 contactor from being pulled in at the same time, thereby shorting out the motor.
Jog Push Button	When the jog push button is pressed, it acts as a constant pressure button and the door will move only when the button is pressed. It must be pressed in conjunction with the open button. When the both buttons are pressed the door will always move in the closed direction.
Limit Switch Chain	The limit switch chain length is determined at the factory, it should be 16" long for a RHD and 18" long for a LHD door. If there is concern, check the following: a) If the chain is not aligned properly, move the smaller sprocket to align. b) If the chain makes noise, lubricate as needed. c) Chain should deflect approximately 1/4" [6], less may cause wear on the bearings, more may cause chain wear or slipping.
Limit Switches	The Open, Closed, Photoeye, and Alternate open limit switches are a normally closed device and should only be open when the limit switch lobe is in-line with the contact. If the switch is open when it is not in-line with the lobe, check wiring or replace the switch.
Motor	Ohms for the following motor voltages. a) 208V-240V 1 HP motor will have 5-7 ohms on normal readings. (208V doors <12' d.o.h.) b) 208V 1.5 HP motor will have 13.3 ohms on normal readings. (208V doors =>12' d.o.h.) c) 460V-480V 1 HP motor will have 20-23 ohms on normal readings. d) 400V 1 HP motor will have 23 ohms on normal readings. e) 575V 1 HP motor will have 34 ohms on normal readings
Motor Phasing	If open button is pressed and the door closes, the following needs to be checked: a) Check overload and contactors for proper voltage. b) Phasing is reversed, reverse wires in terminals, V and W.

CHAPTER 4 - TROUBLESHOOTING

ITEM	FUNCTION
Motor will not run	If door will run will given an activation, check the following: a) Faulty or tripped O/L1 overload relay. b) Faulty MC1 or MC2 contactors. c) Check voltage and for loose wires at terminals, U, V, and W and wires on the contactors and overload relay. d) Check limit switch, if the 2 screws holding the contacts in place are too tight, it may cause the contact to stick, thereby causing the door not to run.
O.D.H./O.D.W.	Ordered Door Height or Ordered Door Width
One-Way Breakaway	A door built for One-Way Breakaway can be impacted away from the wall only. A door impacted toward the wall may be damaged. The inside edge of the sideframes are mounted at 1/2 O.D.W. plus 5 3/8" [137] from the centerline of the door jamb. The length of the header braces will be O.D.W. plus 10 3/4" [273]. The opening is totally clear of any door components.
Open Push Button	When the open push button is pressed, a command to open the door is given.
Overload Relay O/L1	The O/L1 overload relay supply's 24VAC to the CR1 relay and the open/reset button. If the overload trips, 24VAC to the open/reset button will be lost. The overload is set to "Automatic Mode" to reset, if it is tripped, reset the relay to restore power. The incoming power also goes through the O/L1 overload relay before it reaches the MC1, MC2 contactor's, if the contactor's are not receiving the correct voltage, check the O/L1 overload for proper voltage. Fuses may blow if pins are not clipped. The O/L1 overload should be set to the following settings: a) 208V 4.2 Amps (Size > 144 [3658]) b) 208V 3.8 Amps (Size =< 144 [3658]) c) 230V-240V-3.7 Amps d) 380V-415V-2.1 Amps e) 460V-480V-1.8 Amps f) 575V-1.5 Amps
Relay CR2	CR2-24VAC single pole relay is an optional relay, that is required when the pre-announce to close option is chosen.
Photoeyes	The door is equipped with 2 sets of retro-reflective photoeyes that monitor each side of the door. Thru-beam photoeyes are available as an option. When either option is used and the beam is broken or blocked, the door will reverse and stay open until the object blocking the photoeye beam is removed or the photoeyes are lined up to send a signal to the i-COMM to allow the door to close. The photoeyes are wired to the 24VAC circuit and are wired as normally closed when there is power to the unit and the photoeye is aligned with the reflector or the source photoeye on a thru-beam device. Red, yellow and green lights should be on for proper alignment, if the eyes are not aligned properly, turn the adjustment screws. The photoeye's are set to the "Light Operate" mode. The photoeye's will reverse or hold the door open when the photoeye beam is blocked. When the beam is not broken, the door will auto-reclose.
Roll Door	The Roll door is designed for interior use only. The curtain is pre-attached to the roller tube and rolls off the front of the tube (away from the wall). It has a standard Integral control panel located in the drive sideframe with an option for a control box. The Roll door can be either One-Way breakaway or Two-Way breakaway as described in this section. See architectural drawing for more details located on Page 50 .
Fold Door	The Fold door is for exterior or interior use. A Fold door that is mounted on the exterior of a building or any interior wall except the outside wall will have the curtain attached pre-attached to the header front brace. A Fold door that is mounted internally on an outside wall of the building will have the curtain pre-attached to the header rear brace. A Fold door is standard with s/f integral controls unless it is an external mounted Fold door, which a control box is standard. The option for a control box is available on internally mounted doors. The Fold door can be equipped with either One-Way Breakaway, Two-Way breakaway or High Wind package. See architectural drawing for more details located on Page 51 .
Speed Feed™ Curtain Reinsertion System	The Speed-Feed System is equipped on the Roll door model only. Upon impact the curtain is released from the V-Flex straps. Upon breakaway, the curtain will automatically re-fed back into the V-Flex strap guides.
Thru-Wall Brake Release Option	The door can be equipped with a Thru-Wall Brake Release option in conjunction with the counter-weight option. In the event of a power outage, opening of the door can be completed from the opposite side of the wall.
Transformer	The standard transformer is a tri-volt transformer that takes an incoming voltage of 208V, 230V, and 460V and converts it to 110VAC and 24VAC. An optional transformer is available for 380V, 415V and 575V doors. a) 208V (Taps H1-H2) 6.8 Ohms b) 230V (Taps H1-H3) 7.5 Ohms c) 380V (Taps H1-H2) 18.4 Ohms d) 460V (Taps H1-H4) 27 Ohms e) 415V (Taps H1-H3) 20.5 Ohms f) 575V (Taps H1-H4) 29 Ohms g) 120V (Taps X1-X3) 4.4-4.8 Ohms h) 24V (Taps X1-X2) .4 to .6 Ohms
Two-Way Breakaway	A door built for Two-Way Breakaway can be impacted in either direction. The inside edge of the sideframes are mounted at 1/2 O.D.W. from the centerline of the door jamb. The opening will be infringed upon by 5" [127] the full height of the door by the "V"-Flex strap guides and 5 3/8" [137] at the bottom by the guide brackets on each side of the door. The length of the header braces will be O.D.W.
V-Flex™ Curtain Release System	The door is equipped with the V-Flex curtain release system. The system of straps run vertically along the sideframe and guide the curtain. When impacted the V-Flex straps will flex allowing the curtain to be released with little or no damage to the door or customer product. These straps MUST BE kept taut to prevent damage to the curtain.
Voltage Switch	Rewire the motor, transformer, replace overload, fuses. Change i-comm settings.
Wind Pressure	If the curtain is blowing out because of high wind or negative pressures, check the following: a) The V-Flex straps should have a minimum of 70 ft/lbs [7.9 N-m]. b) Check to make sure the curtain has all the stabilizer bars in place. c) If wind or pressure exceeds 15 mph [24K] , the door may blow out.

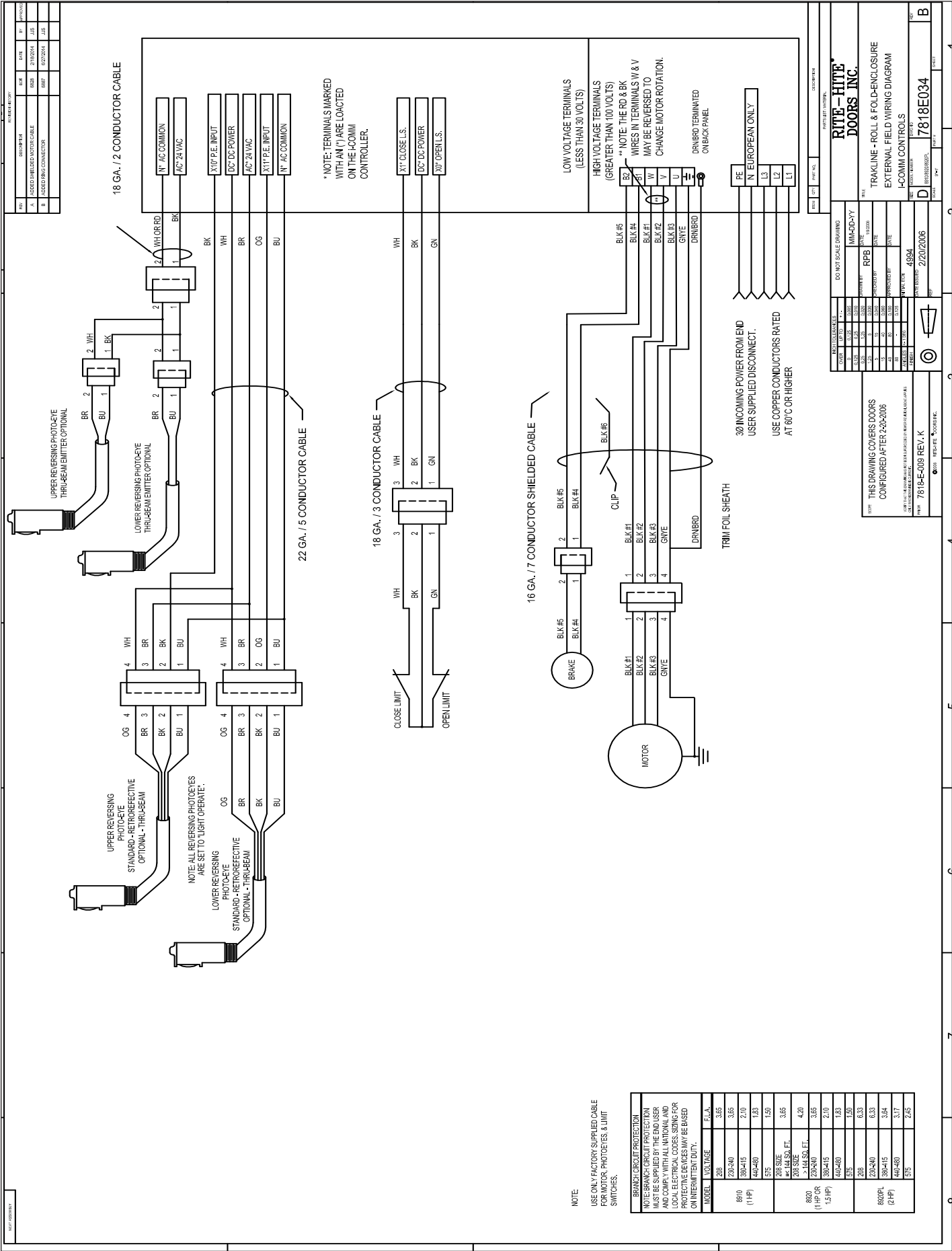
CHAPTER 4 - DRIVE SYSTEM INFORMATION

A	RH Drive	K	White wire
B	LH Drive	L	Red wire
C	Standard Limit Switch Wiring	M	Closed Limit Switch
D	Optional Alternate Open Limit Switch Wiring	N	Open Limit Switch
E	208 - 230V	O	Alternate Open Limit Switch
F	460V	P	n/a
G	400/575V	Q	Route limit cable through the back of the plate
H	Jumper wire	R	Spot ground flat on limit shaft for set screw
I	Black wire	S	Must be aligned with the 30 tooth sprocket:.31 [8] ref.
J	Green wire		

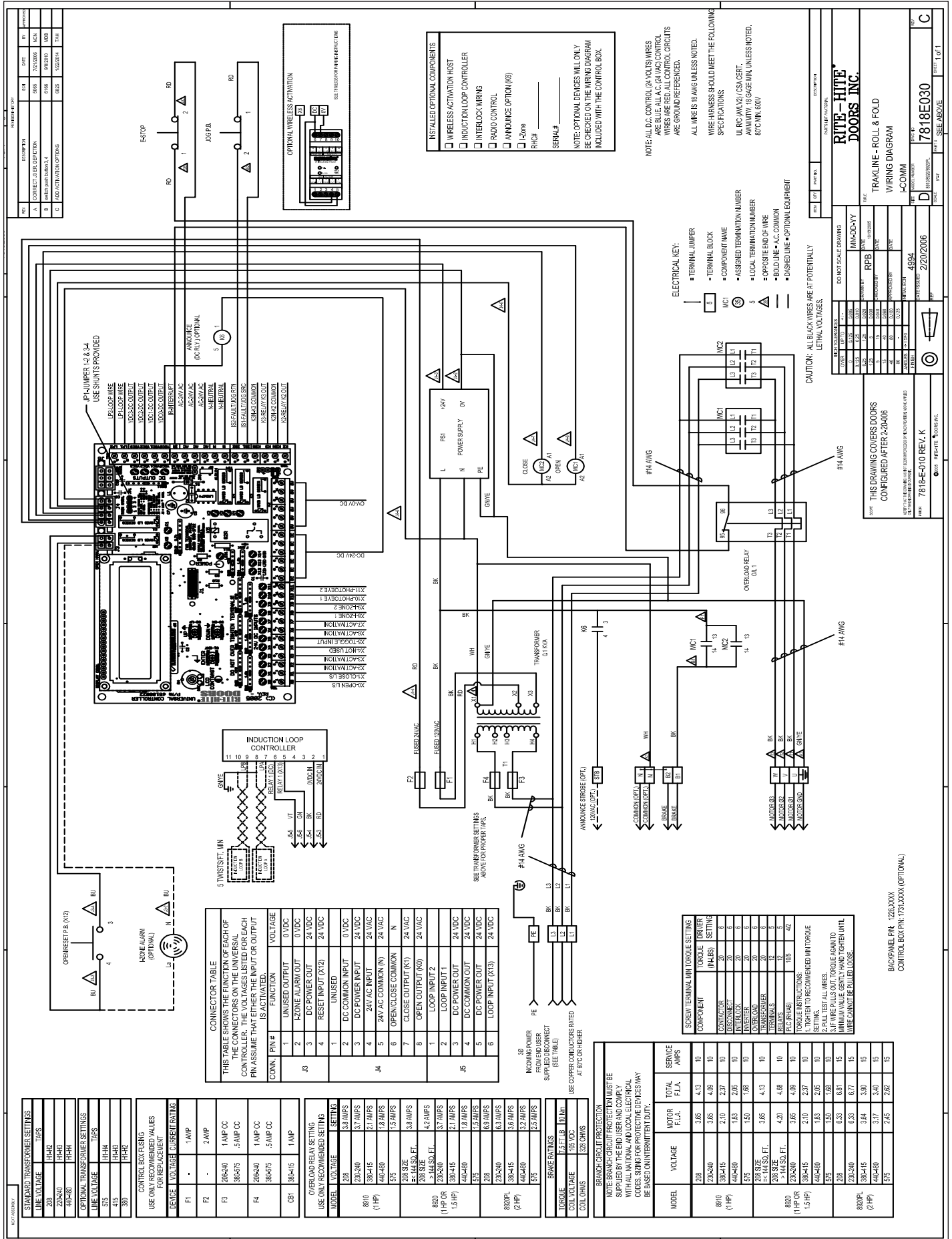




CHAPTER 4 - FIELD WIRING DIAGRAM-CONTROL BOX



CHAPTER 4 - WIRING DIAGRAM



CHAPTER 4 - ACTIVATION WIRING DIAGRAM

4

BEA - Falcon,
IS-87, EagleHM

Control Box

BEA Motion Sensors

1
AC

2
N

3
DC

4
X6***

5
GY

6
RD

7
BK

8
WH

9
GN

10
YE

INDUCTION LOOP

Control Box

Loop Wires

1
Wire(a)

2
Wire(b)

3
Wire(a)

4
Wire(b)

PHOTOEYES

Control Box

Photoeye

1
DC

2
N

3
AC

4
X6*

5
BK

6
BU

7
BN

8
OG

MS Sedco - D38

Control Box

Sensor

1*
AC

2*
N

3
X6***

4
DC

5
D38 Motion Sensor

6
*If switched, green life will be on, and F2 fuse blown.

BEA - DK-12

Control Box

DK12

1
AC

2
N

3
DC

4
X6***

5
Presence Sensor

INTERLOCK

Door1

Control Box

Sensor

1
K3

2
K3N

3
X7

4
DC

5
K3N

6
X7

7
DC

8
K3N

2 Door Standard Interlock

Note: Consult i-COMM manual to see which inputs can be assigned interlock in function. Connect K3 to whichever input is selected to become interlock in. No other devices should be connected to this input. Terminal Must be assigned to Interlock through i-COMM menu on both doors. (i.e. If X3 is to be assigned a function of Interlock Input, the menu "Input Func X3") should be set to a value of "0". Output YK3 (K3 relay) should remain at the default setting of "0" on both doors.

STROBES & ALARMS

Control Box

Beacon/Strobe

1
STB

2
N

3
Wire

4
Wire

5
Warning Device Beacon/Strobe Additional Relay Required

6
*120VAC U.L. Listed, 30 Amp Max

120VAC Alarm

Control Box

120VAC Alarm

1
STB

2
N

3
Wire

4
Wire

5
Audible Alarm

RADIO CONTROLS

Control Box

Receiver

1
N

2
DC

3
AC

4
X6**

5
300MHz Radio Control

6
BK

7
WH

8
RD

9
YE

40MHz Radio Control (1, 2 or 4 Button)

Control Box

Receiver

1
N

2
DC

3
AC

4
X6**

5
40MHz Radio Control

6
BK

7
BN

8
RD

9
OG

I-ZONE 8900 w/ SIDEFRAME CONTROLS

Control Box

I-ZONE

1
DC

2
OV

3
X8

4
RD

5
BK

6
CLR

I-ZONE 8900 w/ CONTROL BOX

Control Box

I-ZONE

1
DC

2
OV

3
X9

4
RD

5
BK

6
CLR

I-ZONE 8000CL

Control Box

I-ZONE

1
OV

2
DC

3
X8

4
X9

5
BK

6
RD

7
GN

8
CLR

Junction Box

1
OV

2
DC

3
X8

4
X9

5
BK

6
RD

7
GN

8
CLR

Sensor is connected by 4-conductor gray cable.

Terminals OV & DC are shown in two places for drawing clarity. Only one terminal is provided.

NOTES:

THIS DRAWING ASSUMES INPUT FUNCTIONS ARE SET TO FACTORY DEFAULTS. CONSULT i-COMM MANUAL FOR DETAILS. WARNING: NEVER CONNECT MOTION SENSORS TO A TOGGLE INPUT

Terminals "X6", "X7" are automatic redose. Terminals "DC" are DC common for inputs. Terminals "AC" and "N" are 24VAC terminals.

*Terminal X7 is a default **For true toggle operation use terminal "X5". (Pull cords, push button or radio controls only.) ***For Reverse hold open connect sensors to UNUSED Input. (i.e. X2 (not available for PRO System), X3, X6, or X7 and assign that input a function of "6" in the i-COMM menu. Multiple sensors can be connected in parallel.

Consult i-COMM manual for additional instructions.

REVISION HISTORY

REV

DESCRIPTION

ECN

DATE

BY

APPROVED

A

I-ZONE & INTERLOCK CORRECTIONS

5009

4/18/2006

RPB

B

UPDATE FALCON

5705

7/24/2008

LIP

INCH TOLERANCES

OVER

UP TO

+/-

0

0.125

0.25

0.5

1.25

2.5

5

15

40

80

FINISH

ANGLES

1/4" DEG

DO NOT SCALE DRAWING

MM-DD-YY

DATE

2/3/2006

CHECKED BY

DATE

APPROVED BY

DATE

INITIAL ECN

4994

DATE ISSUED

2/20/2006

REF

PARTS LIST MATERIAL

ITEM

QTY

PART NO.

DESCRIPTION

RITE-HITE® DOORS INC.

TITLE

PROTECTOR/TRAKLINE SERIES ACTIVATION WIRING i-COMM

SIZE

MODEL NUMBER

B

8000CLXL8900

DWG NO

7804E035

SCALE

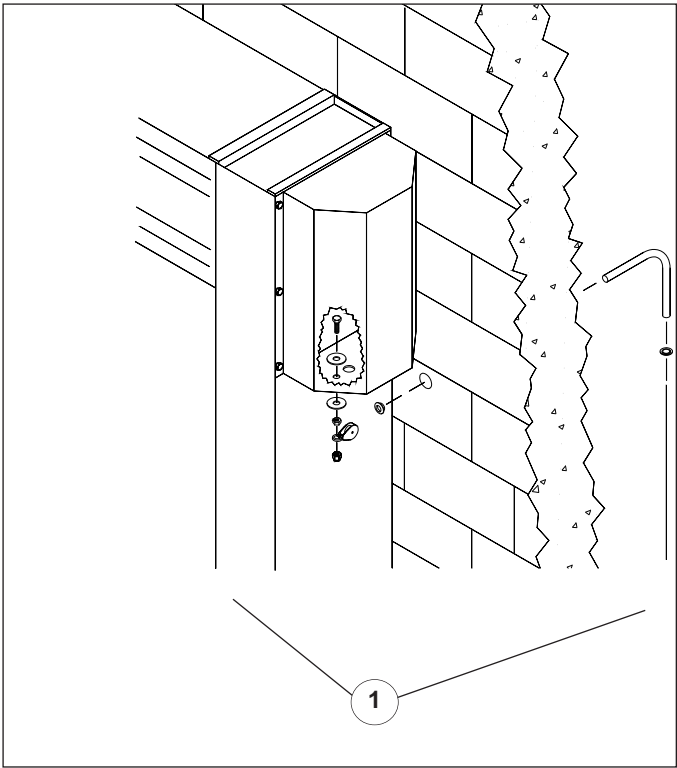
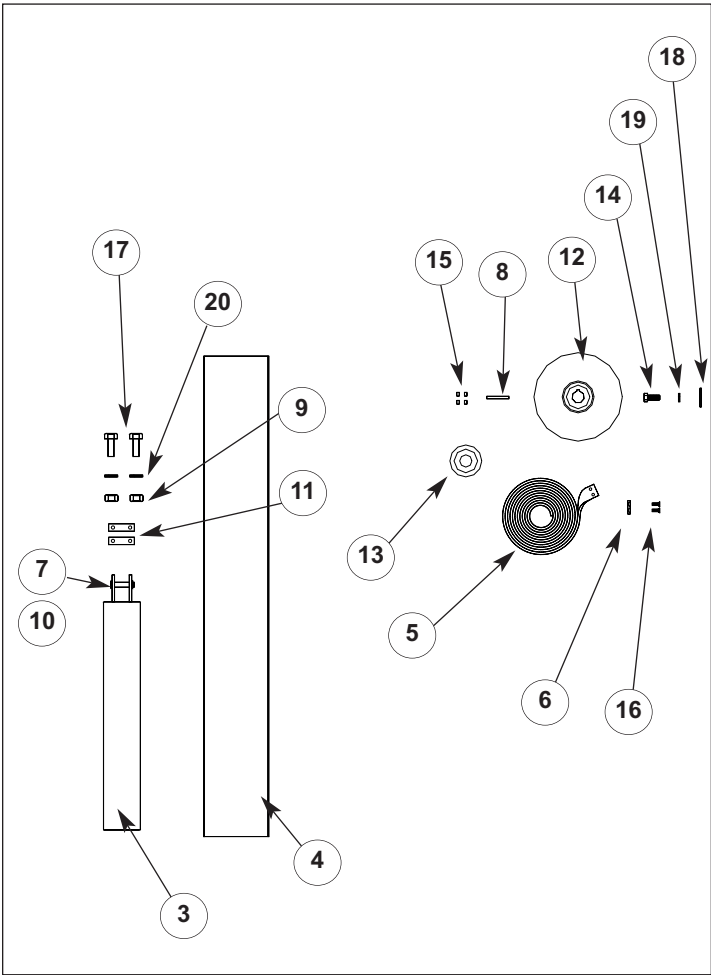
8"=1"

SHEET

B

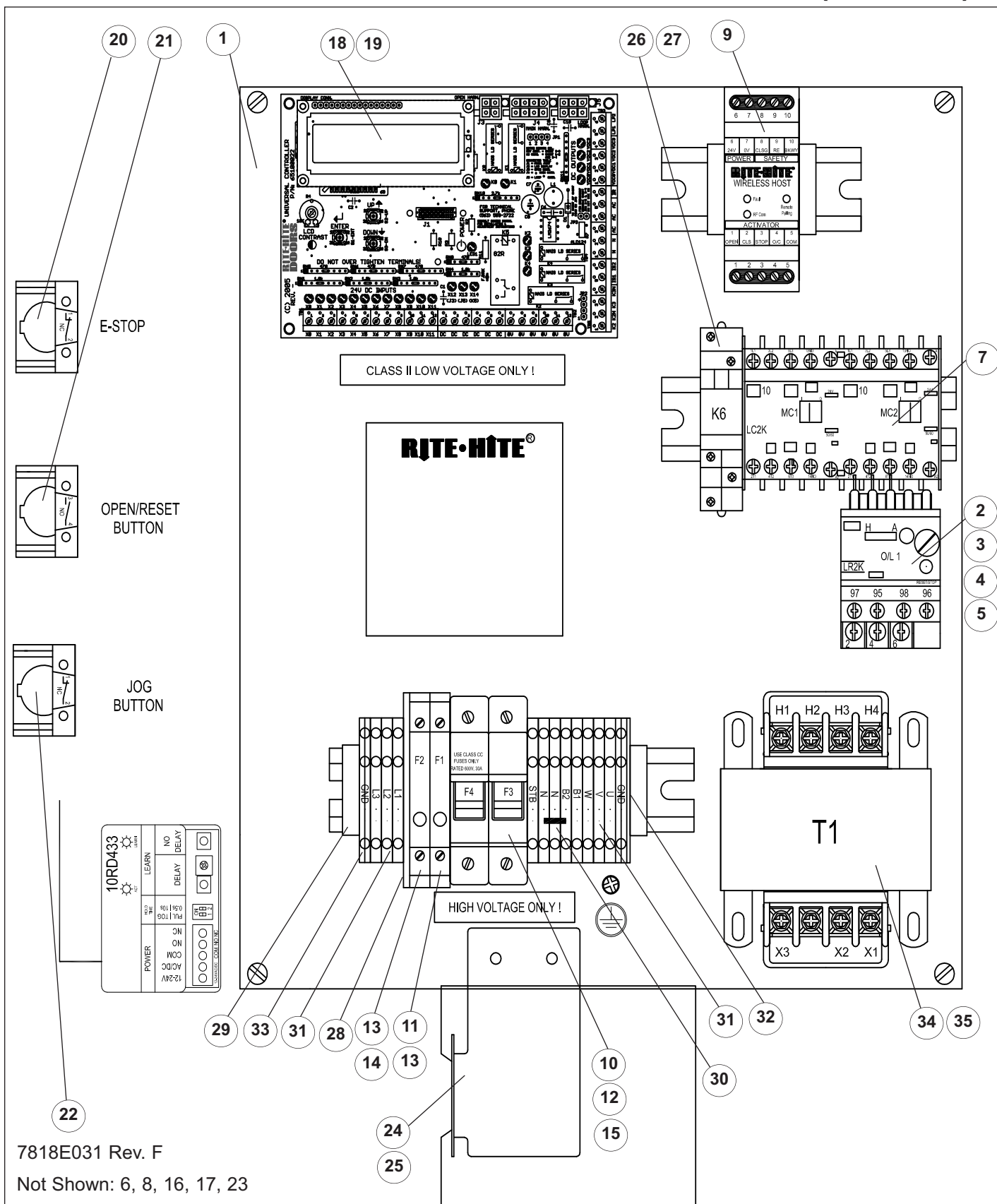
©2006 RITE-HITE® DOORS INC.

CHAPTER 5 - COUNTER BALANCE/THRU-WALL BRAKE RELEASE PART/LIST



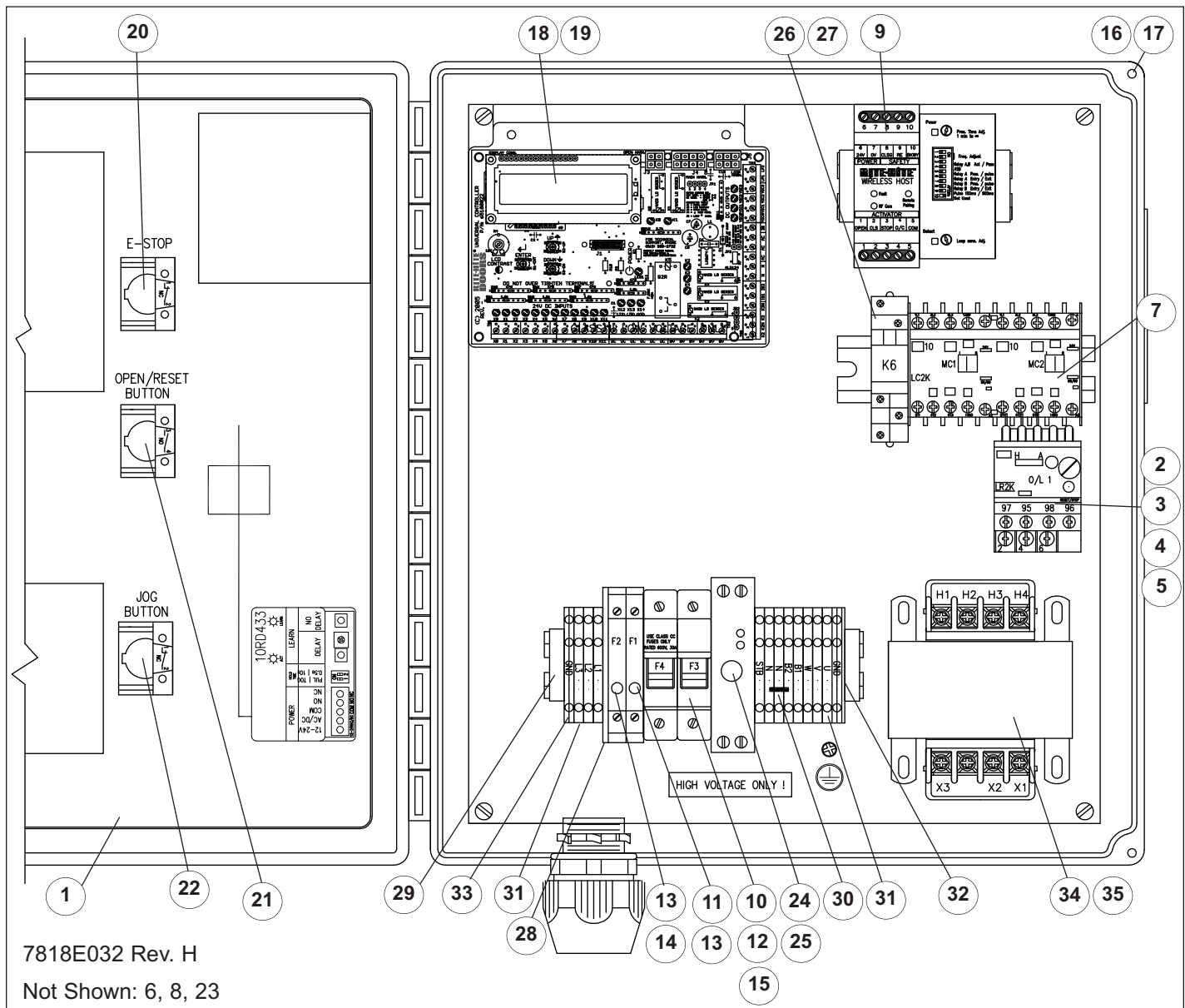
ITEM	QTY	DESCRIPTION	P/N
1	1	Kit, Thru-Wall Brake Release	53700230
2	1	Kit, Before s/n: 21472-new gearbox	1763....
3	1	Weight, Counterbalance	7539....
4	1	Pipe, PVC Weight Tube	6446....
5	1	Belting, Counterbalance	1260....
6	1	Belt Pressure Plate	16700010
7	1	Clip, Bridge Pin	16800001
8	1	Key Square 1/4" x 2 1/4"	53550006
9	2	Hex Nut 5/16-18, znc	55620001
10	1	Clevis Pin 1/2" x 2 1/4"	64020005
11	2	Pressure Plate	65000027
12	1	Counterbalance Pulley	65750035
13	1	Idler Pulley	65750037
14	1	HHM Screw 1/4-20 x 1/2", znc	67860002
15	1	Setscrew 1/4-20 x 1/4"	67860038
16	2	Setscrew 1/4-20 x 3/4"	67860042
17	2	Screw HHMS 5/16-18x1 1/4"	67870003
18	1	Washer Fender 1/4" ID x1 1/5" OD	74110002
19	1	Washer Lock 1/4", znc	74110004
20	1	5/16" Lock Washer	74120002

CHAPTER 5 - INTEGRAL PANEL SERVICE PARTS (>2/20/06)



SEE PARTSLIST MANUAL FOR DOOR CONTROLS (<2/20/06)

CHAPTER 5 - CONTROL BOX SERVICE PARTS (>2/20/06)



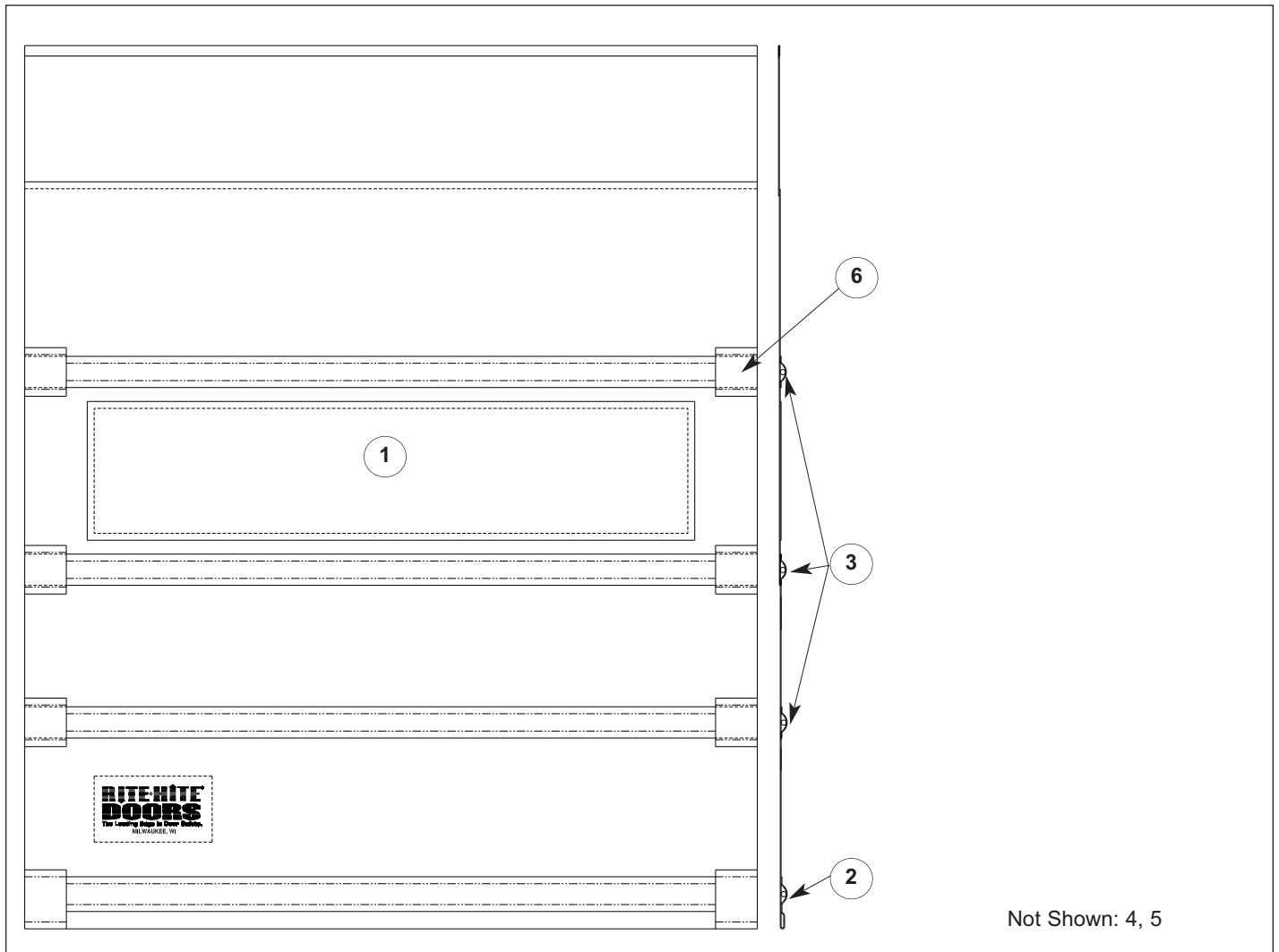
7818E032 Rev. H

Not Shown: 6, 8, 23

ITEM	QTY	DESCRIPTION	PART NUMBER	ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control Box Assembly, i-COMM	1740....	20	1	Kit, Button, E-Stop, Red	53700568
2	1	O/L 230V-240V 2.6-3.7 Amp (8910/20)	16660016	21	1	Kit, Button, Open, Green	53700569
3	1	O/L 380V-480V 1.8-2.6 Amp (8910/20)	16660017	22	1	Kit, Button, Jog, Black	53700570
4	1	Overload 575V 1.2-1.8 Amp (8910/20 only)	16660018	23	1	DCC, Loader, i-COMM	65100023
5	1	Overload 208V 3.8-5.5 Amp (8910/20 only)	16660019	24	1	Power Supply, DIN, 24VDC, 18W	65700006
6	1	O/L 230V-240V 5.5-8.0 Amp (8920PL)	16660020	25	1	Power Supply, DIN, 24VDC, 30W, CG	65700007
7	1	Contactor (8910/20 only)	17000015	26	1	Relay SPDT 10Amp 24VDC (Strobe/Beacon)	66450014
8	1	Contactor (8920PL only)	17000016	27	1	Relay Socket, Single Pole 10 Amp 250V	70350002
9	1	Controller, Wireless Act, BTR, 12-24V	17500025	28	1	Terminal End Barrier, Fuse Holder	73100019
10	2	Fuse 1/2Amp 600V Time Delay (380V-575V)	51000001	29	2/4	Terminal End Stop Screwless	73100024
11	1	Fuse 1 Amp 250V Time Delay	51000002	30	1	Terminal WA, Cage, 20 Amp, Jump, 3P	73100082
12	1	Fuse Holder Double Pole, 30 Amp 600V	51000003	31	11	Terminal WA, Cage, 20 Amp, 3 Hole	73100085
13	2	Fuse Holder Single Pole, 12 Amp 300V	51000004	32	1	Terminal WA, Cage, 20 Amp, 3 Hole, Bar	73100086
14	1	Fuse 2 Amp 250V Time Delay	51000005	33	2	Terminal WA, Cage, 20 Amp, 3 Hole, Gnd	73100087
15	2	Fuse 1Amp 600V CC Time Delay (208V-240)	51000023	34	1	Transformer 208/230/460V	73550029
16	4	Enclosure, Mounting Foot	51950018	35	1	Transformer 380/415/575V	73550030
17	2	Latch, Quick Release, Kit, Fiberglass	51950021			Refer to Page 48 for Activation Parts List	
18	1	Kit, Display, LCD, 2-Line w/CONN	53700529				
19	1	Kit, Controller, i-COMM	53700528				

SEE PARTSLIST MANUAL FOR DOOR CONTROLS (<2/20/06)

CHAPTER 5 - 8910 CURTAIN SERVICE PARTS/LIST

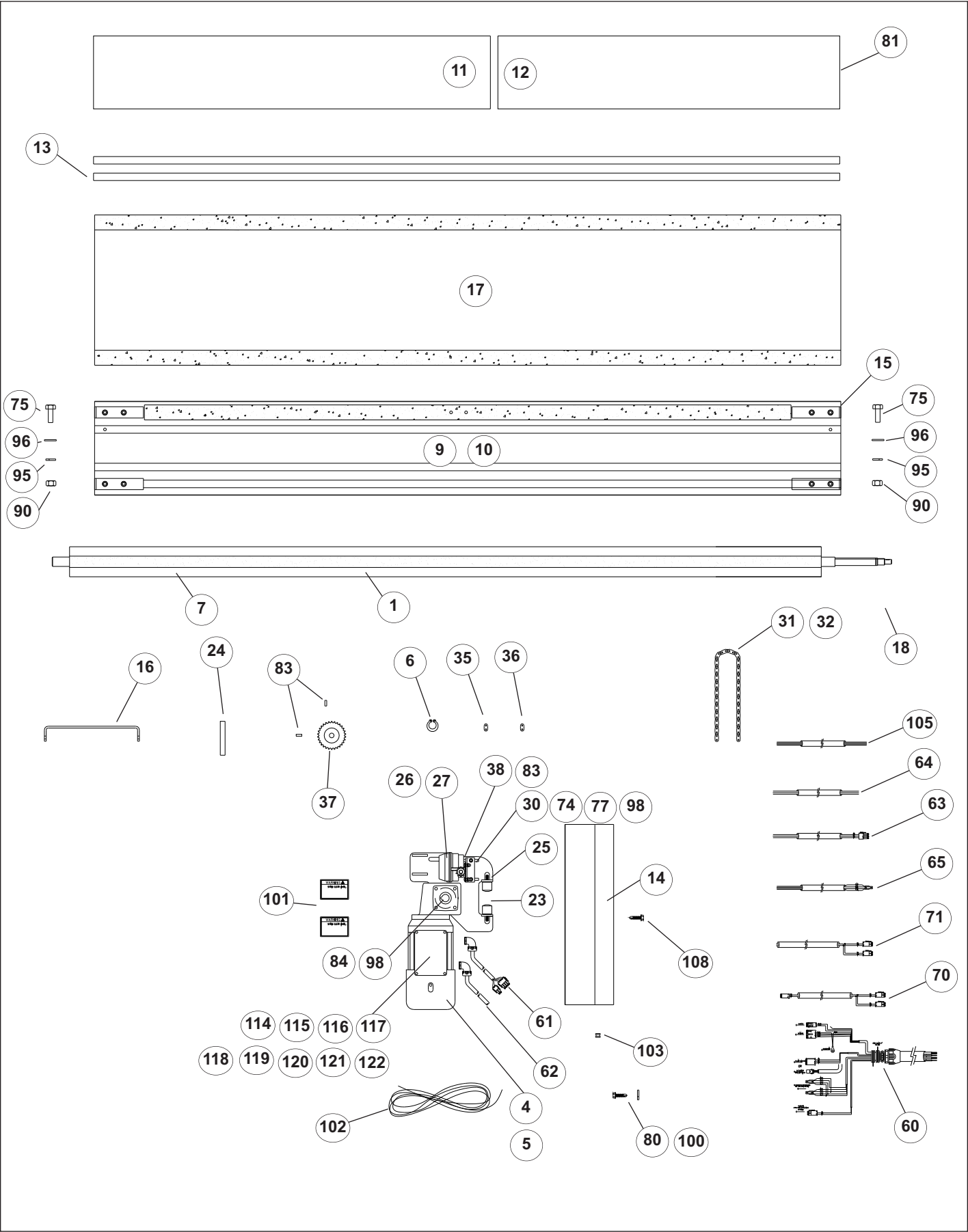


ITEM	QTY	DESCRIPTION	P/N
1	1	Roll Curtain Ass'y (w/ or w/o Stabilizer Bars)	2848....
2	a/r	Stabilizer Bar, Fiberglass 1 1/8" Ø	7579....
3	1	Stabilizer Bar, Fiberglass 13/16" Ø	7579....
4	1	Kit, 8800/8900, Curtain, Patch, Grey	53700589
5	1	Kit, 8800/8900, Curtain, Patch, Blue	53700590
6	a/r	Kit, Wear Patch Webbing	53700373

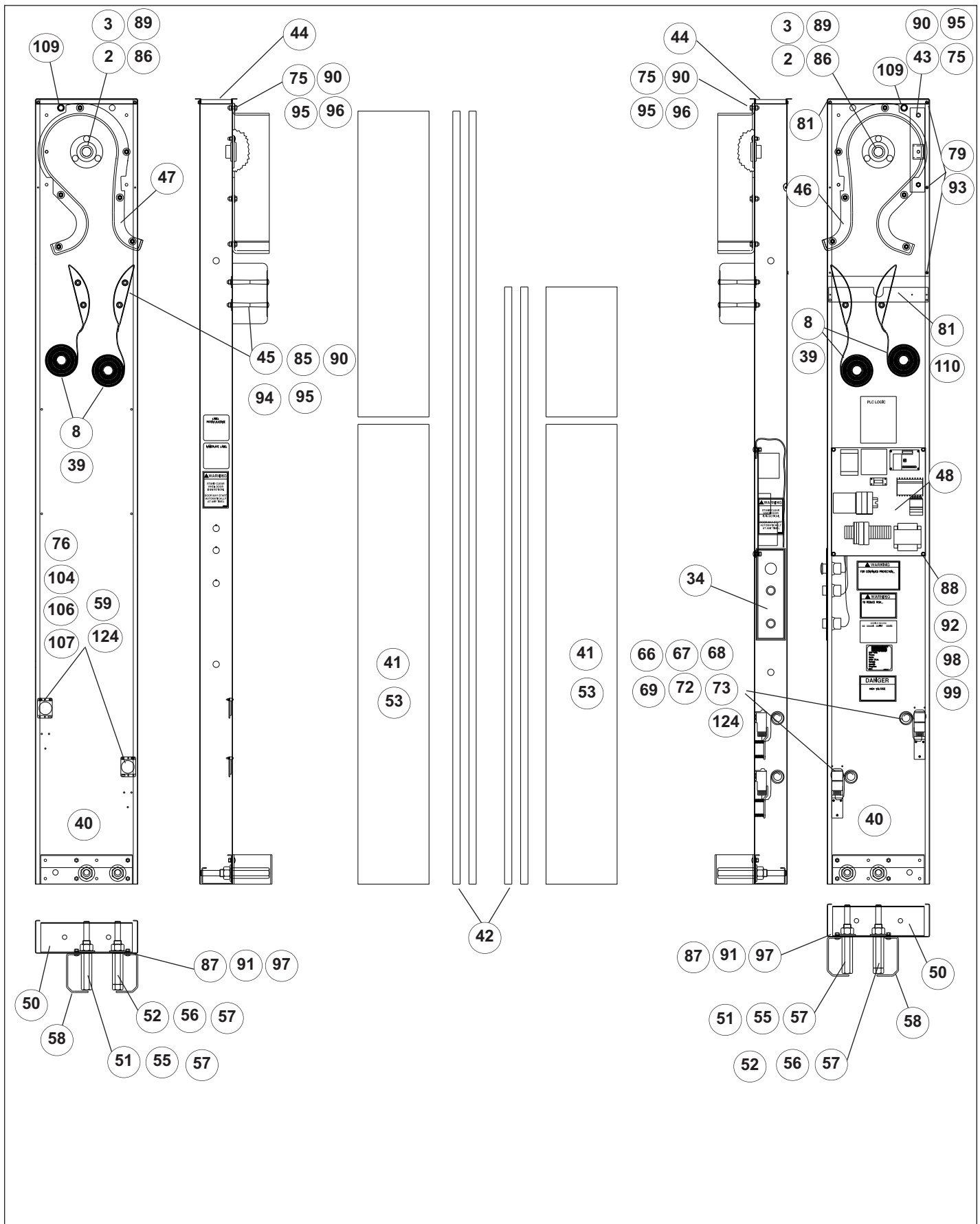
ROLL DOOR STABILIZER BAR CONFIGURATION

DOOR OPENING HEIGHT	STABILIZER BARS	OVERALL CURTAIN HEIGHT
7'-0"	4	132"
8'-0"	4	132"
9'-0"	5	158"
10'-0"	5	158"
11'-0"	5	166"
12'-0"	6	189"

CHAPTER 5 - 8910 DOOR SERVICE PARTS



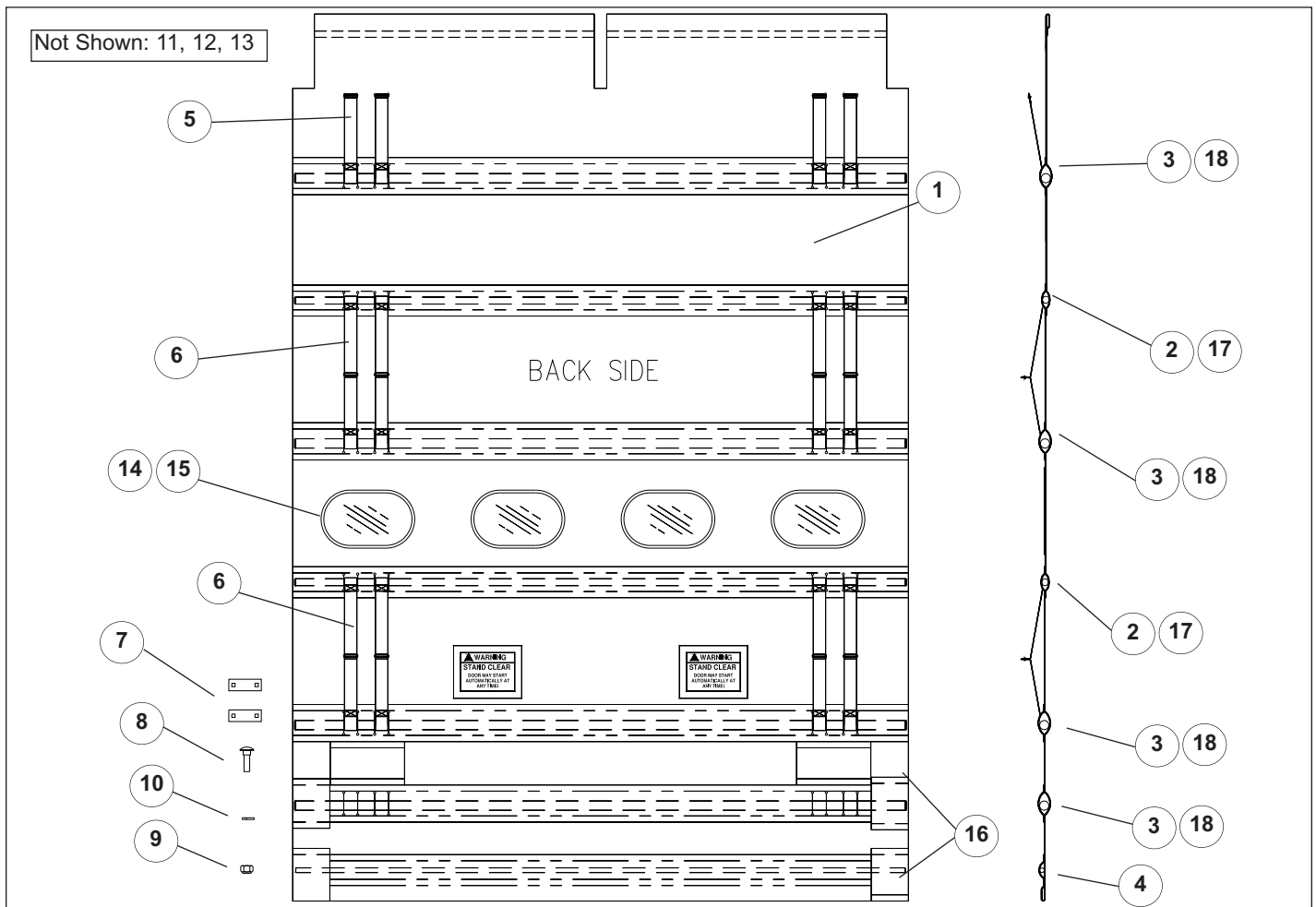
CHAPTER 5 - 8910 DOOR SIDEFRA ME SERVICE PARTS



CHAPTER 5 - 8910 DOOR SERVICE PARTS LIST

ITEM	QTY	DESCRIPTION	P/N	ITEM	QTY	DESCRIPTION	P/N
1	1	Roller Tube Assembly (Specify paint finish)	6742....	66	2	Photoeye Retro-Reflective, S/F	63900002
2	4	Roller Tube Bearing Flange	45750001			(> serial# 21472 12/12/01)	
3	2	Roller Tube Bearing (Includes Lock Collars)	12500023	67	2	Photoeye T.B. Receiver, S/F	63900005
4	1	Brake, 105VDC, 12FT/LB	14800011			(> serial# 21472 12/12/01)	
5	1	Brake, Rectifier	66270009	68	2	Photoeye Retro-Reflective, C-Box	63900034
6	1	Roller Tube Retaining Ring	67020016			(> serial# 21472 12/12/01)	
7	1	Roller Tube Hook Fastener PSA 2"	74000020	69	2	Photoeye T.B. Receiver, C-Box	63900035
		(one way=d.o.w.;two way=d.o.w.+10")				(> serial# 21472 12/12/01)	
8	4	Curtain Guide V-Flex Strap Sleeves	1878....	70	1	Photoeye Cable, TB, C-Box option w/3 conn	1586....
9	1	Header Brace Rear	1668....	71	1	Photoeye Cable, TB, S/F option w/2 conn	1586....
		(w/Hardware & Hook Fastener PSA 1 1/2")		72	2/4	Photoeye Mount Bracket	14500025
10	1	Header Brace Front	1668....	73	6/12	Photoeye Adjustment Spring	70700023
		(w/Hardware & Hook Fastener PSA 1 1/2")		74	4	Hex Nut 1/4-20, Nylon Lock, znc	55610001
11	1	Header Top Cover (Steel)	1855....	75	28	Screw, HHMS 3/8-16 x 1" GR5, znc	67880002
12	1	Header Top Cover with or w/o extrusion	65450076	76	4	Screw, FHMS, Phillips #8-32 x 7/8", znc	67850041
		(Two-Way=D.O.W.; One-Way=D.O.W.+12")		77	4	Carriage Bolt 1/4-20 x 3/4" GR5, znc (On gearmotor)	55660023
13	2	Header Cover Extrusion Retainer	44850147	78	6/12	Screw, PHMS, Phillips #10-32 x 2", s.s.	67850039
		(D.O.H. +29" Non-Drive Side, +5" Drive)		79	a/r	Screw, FHMS, Phillips #10-24 x 1/2", znc	67850033
14	1	Motor Drive Shroud	69200096	80	1	Screw, Self Tap/Drill Phillips #8 x 1/2", znc	67850015
15	8	Header Brace to Sideframe Mount	14500562	81	a/r	Screw, Self Tap/Drill Hex Hd #12-14 x 3/4"	67850004
16	1	Header Brace Center Bracket	14500553	82	4	Screw, PHMS, Phillips #10-32 x 1 1/2", znc	67850111
17	1	Header Top Seal	6869....	83	4	Screw, Set, 1/4-20 x 1/4" (On gearmotor)	67860038
18	2	Spacer, Gearbox (not on counterweight doors)	70450095				
		(> s/n: 27208 5/20/03 & upgraded doors)		84	8	Carriage Bolt M6-1.0x16mm, GR8, znc (On gearmotor)	67930006
19	1	Gearmotor, Limit Switch, Assembly	5523....	85	8	Carriage Bolt 3/8-16 x 5 1/2", znc	67880093
20	-			86	6	Carriage Bolt 3/8-16 x 1", znc	67880092
21	-			87	8	Carriage Bolt 5/16-18 x 1", znc	67870032
22	-			88	4	Carriage Bolt 1/4-20 x 1 1/4", GR5, znc (Internal Controls)	67860024
23	2	Gearmotor Rubber Bumpers	15250057	89	6	Hex Nut 3/8-16, Nylon Lock, znc	55630005
24	1	Key, 1/4" x 3/16" x 4 1/2" (included w/gearbox)	n/a	90	36	Hex Nut 3/8-16, znc	55630003
25	1	Gearmotor Anti-Rotation Plate (all versions)	65000395	91	8	Hex Nut 5/16-18, znc	55620001
26	1	Limit Switch Ass'y (2 position-standard)	53700227	92	4	Hex Nut 1/4-20, znc	55610002
27	1	Limit Switch Ass'y (4 position-alternate open)	53700292	93	3	Hex Nut #10-24, Nylon Lock, znc	55600004
28	a/r	I-Zone Detecdor, Assembly	7622....	94	8	Washer Fender, 3/8", znc	74130006
29	a/r	I-Zone Detecdor, Upgrade Kit	7636....	95	36	Washer Lock, 3/8", znc	74130002
30	1	Limit Switch Bracket	14500551	96	24	Washer Flat, 3/8", znc	74130001
31	1	Limit Switch Chain RHD (17.25")	53700414	97	8	Washer Lock, 5/16", znc	74120002
32	1	Limit Switch Chain LHD (18.75")	53700415	98	12	Washer Lock, 1/4", znc	74110004
33	a/r	Cable, Assembly, I-Zone, Drive or Non-Drive	1561....	99	1	Washer Flat, 1/4", znc	74110001
34	1	Label, Control Panel, 8900	53850287	100	1	Washer Lock, #10 Int/Ext (Control Box Only)	74100004
35	1	Limit Switch Chain Connector Link	54400008	101	2	Stand Clear Warning Labels	53850058
36	1	Limit Switch Chain Connector Offset Link	54400002	102	12'	Nylon Rope Solid Braid 5/32" (c.w. option only)	67600001
37	1	Limit Switch Sprocket 30 tooth (r/t shaft)	70800013	103	1	Rubber Grommet (counter weight option only)	51280004
38	1	Limit Switch Sprocket 10 tooth (l/s shaft)	70800012	104	4	Hex Nut #8-32, znc	55600002
39	4	Sideframe V-Flex Strap Guides	7230....	105	d.o.h.-12'	Cable, Limit Switch-Control Station (Standard)	15650154
40	1	Sideframe Ass'y Set (> serial# 21472 12/12/01)	6814....	106	2	Photoeye Reflector (> serial# 21472 12/12/01)	66400001
41	2	Sideframe Cover Plastic with or w/o extrusion	1854....	107	4	Spacer, #12-3/8OD x 5/16" (> serial# 21472 12/12/01)	70450036
42	2	Sideframe Cover Extrusion Retainer	44850147	108	3	Screw, FHMS, PHLP, #10-24 x 3/4", znc	67850116
		(Fold door D.O.H. +29" Non-Drive Side, +5" Drive)		109	4	Rubber Grommet (T.B. option only)	51280002
43	1	Sideframe Bracket-Anti-Rotation	14500550	110	1	Conduit Mounting Bracket	14500764
44	2	Sideframe Top Caps (not on interior doors)	16200024	111	-		
45	4	Sideframe Guide Curtain Lower	51350045	112	-		
46	1	Sideframe Guide Omega RH	51350046	113	-		
47	1	Sideframe Guide Omega LH	51350047	114	1	Kit, 8910/20, M/B/G,WM,RH,230/460V (no c.w.)	53700428
48	1	Sideframe Backpanel Cover (Integral Controls only)	17900080	115	1	Kit, 8910/20, M/B/G,WM,RH,400V (no c.w.)	53700429
49	1	Sideframe Conduit Bracket (Control Box only)	14500764	116	1	Kit, 8910/20, M/B/G,WM,RH,575V (no c.w.)	53700430
50	2	Sideframe Bottom Plate (> serial# 21472 12/12/01)	65000355	117	1	Kit, 8910/20, M/B/G,WM,LH,230/460V (no c.w.)	53700431
51	2	Tension Pin Short Right Hand Threads	73000009	118	1	Kit, 8910/20, M/B/G,WM,LH,400V (no c.w.)	53700432
52	2	Tension Pin Short Left Hand Threads (w/groove)	73000013	119	1	Kit, 8910/20, M/B/G,WM,LH,575V (no c.w.)	53700433
53	2	Sideframe Cover Steel	1875....	120	1	Kit, 8910/20, M/B/G,BVL,230/460V (c.w.)	53700368
54	-			121	1	Kit, 8910/20, M/B/G,BVL,400V (c.w.)	53700369
55	2	Tension Pin Right Hand Nut	55670006	122	1	Kit, 8910/20, M/B/G,BVL,575V (c.w.)	53700370
56	2	Tension Pin Left Hand Nut	55670007	123	1	Entire Door Assembly	8910....
57	4	Tension Pin Washers	74150013	124	a/r	Kit, P.E. Bracket, w/HWD	53700320
58	4	Tension Pin Guards-Short (> serial# 21472 12/12/01)	51300039				
59	2	Photoeye T.B. Source (> serial# 21472 12/12/01)	63900036				
60	1	Cable, Control Box (> 2/20/06)	1557....				
60	1	Cable, Control Box A.B.PLC & RH PLC(<2/20/06)	1585....				
61	1	Cable, Motor/Brake-Control Box	15650156				
62	d.o.h.-12"	Cable, Motor/Brake-Control Station	15650019				
63	1	Cable, Limit Switch-CBox-w/o Alt Open L/S	15650155				
64	d.o.h.-12"	Cable, L/Switch-Control Station-w/ Alt Open L/S	15650022				
65	1	Cable, Limit Switch-Control Box-w/ Alt Open Limit Switch-36"	15650160				

CHAPTER 5 - 8920 CURTAIN SERVICE PARTS/LIST

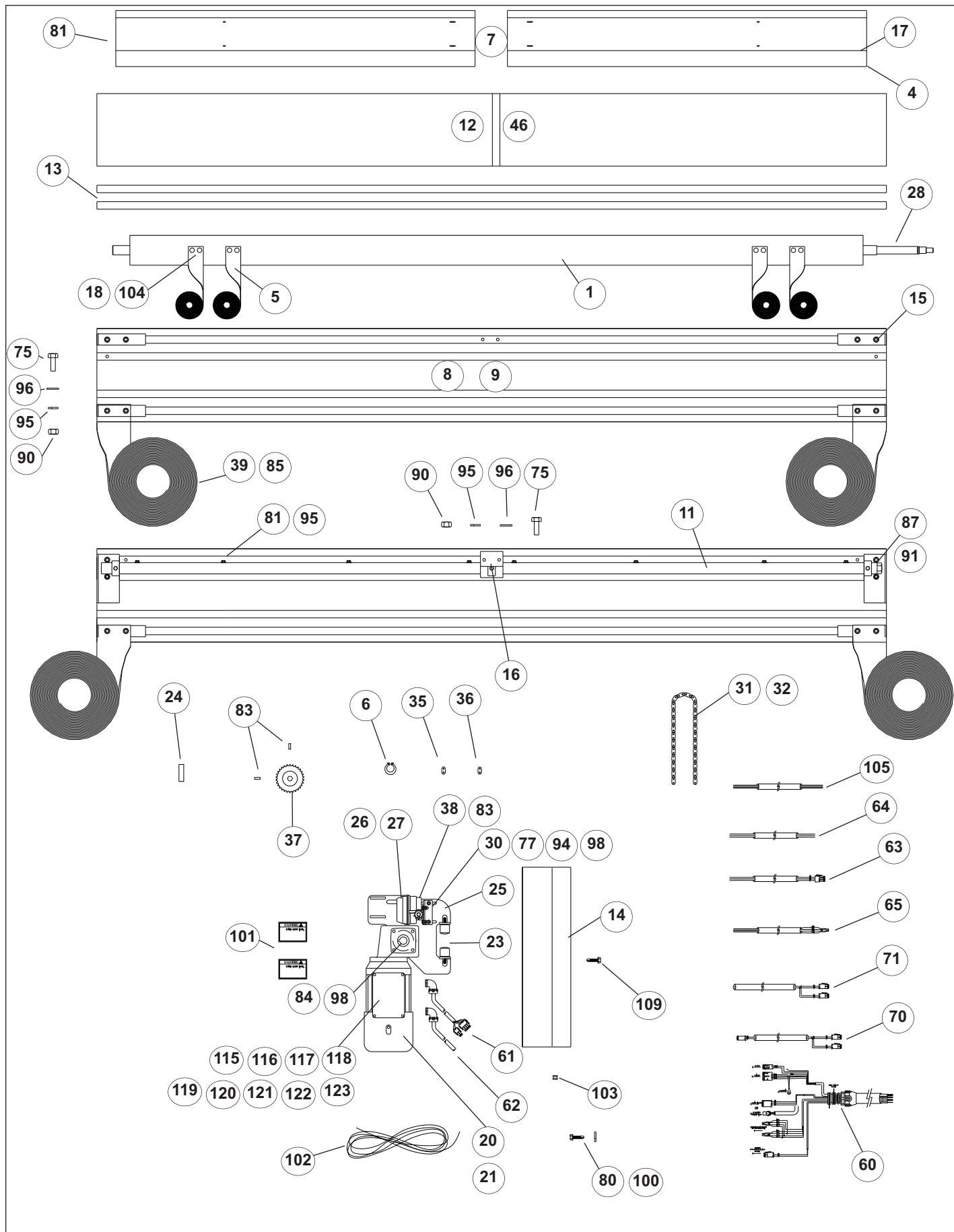


ITEM	QTY	DESCRIPTION	P/N	ITEM	QTY	DESCRIPTION	P/N
1	1	Fold Curtain Ass'y (w/ or w/o Stabilizer Bars)	2847....	11	1	Kit, 8800/8900, Curtain, Patch, Grey	53700589
2	1-4	Stabilizer Bars Upper 1 1/8" OD	7579....	12	1	Kit, 8800/8900, Curtain, Patch, Blue	53700590
3	3-5	Stabilizer Bars Upper 1 1/2" OD	7579....	13	a/r	Kit, Wear Patch Webbing	53700373
4	1	Stabilizer Bar 13/16" Dia Fiberglass	7579....	14	1	Kit, 8920, Oval Vision, Blue	53700690
5	0/4	Strap Lifting Upper	72200016	15	1	Kit, 8920, Oval Vision, Grey	53700692
6	a/r	Strap Lifting Double	72200015	16	a/r	Patch, Wear Pad, Large, 8920	55150029
7	8	Strap Pressure Plate Curved	65000309	17	a/r	Plug, Plastic, Black, 1 1/8"	65300005
8	8	Carriage Bolt 5/16-18 x 1", znc	67870032	18	a/r	Plug, Plastic, Black, 1 1/2"	65300006
9	8	Hex Nut 5/16-18, znc	55620001				
10	8	Lock Washer 5/16, znc	74120002				

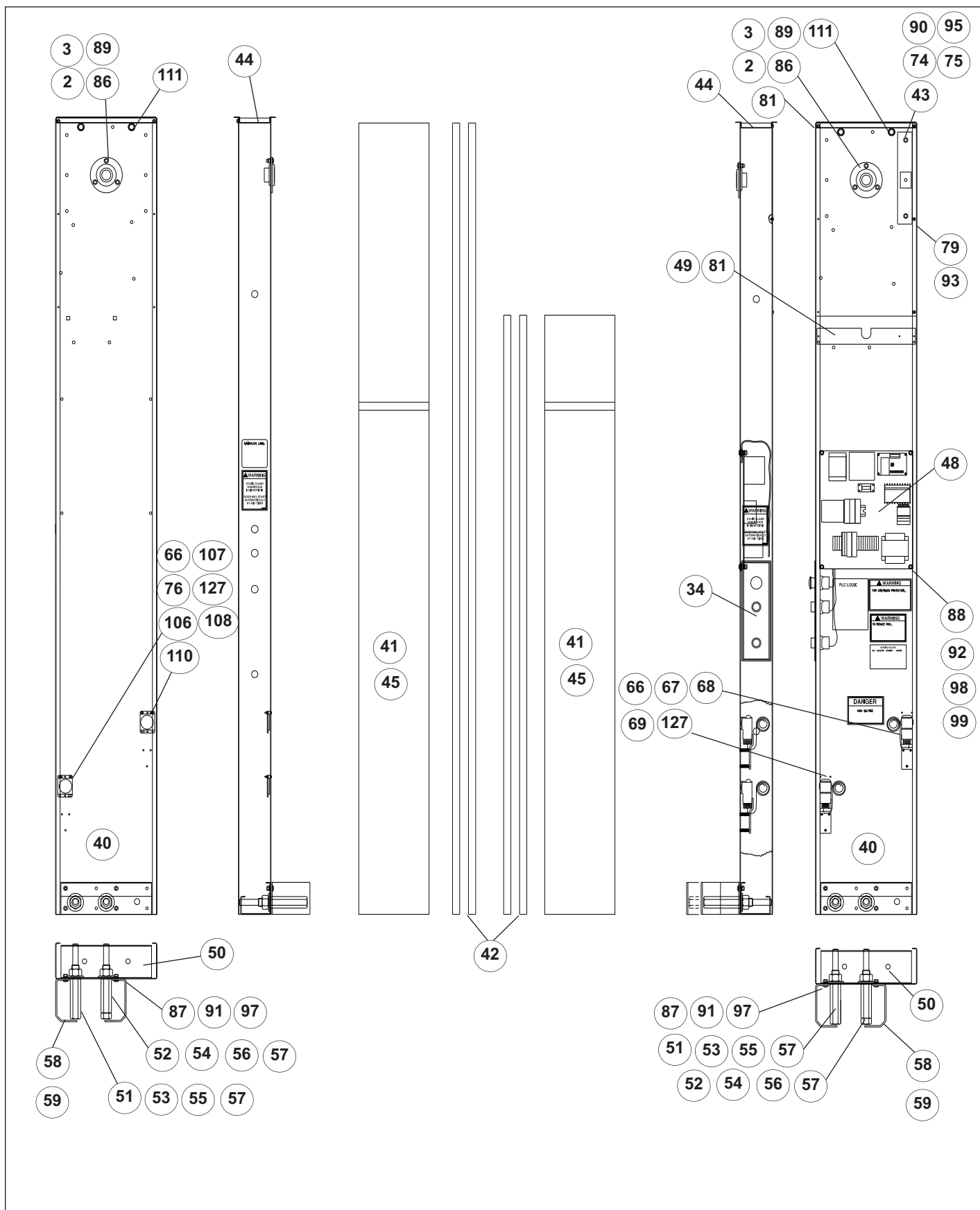
FOLD DOOR STABILIZER BAR CONFIGURATION

DOOR OPENING HEIGHT	DOUBLE STRAP	UPPER STRAP	1 1/8" Ø STAB. BARS	1 1/2" Ø STAB. BARS
7'-0"	4	4	1	3
8'-0"	8	0	2	3
9'-0"	8	0	2	3
10'-0"	8	4	2	4
11'-0"	8	4	2	4
12'-0"	12	0	3	4
13'-0"	12	0	3	4
14'-0"	12	4	3	5
15'-0"	12	4	3	5
16'-0"	16	0	4	5

CHAPTER 5 - 8920 DOOR SERVICE PARTS



CHAPTER 5 - 8920 DOOR SERVICE PARTS



CHAPTER 5 - 8920 DOOR SERVICE PARTS LIST

ITEM	QTY	DESCRIPTION	P/N	ITEM	QTY	DESCRIPTION	P/N
1	1	Roller Tube Assembly (Specify paint finish)	6742....	66	2	Photoeye w/Cable (Retro-Reflective) S/F Option w/o connector (> serial# 21572 12/18/01)	63900002
2	4	Roller Tube Bearing Plate	45750001	67	2	Photoeye w/Cable (T.B. Receiver) S/F Option w/o connector (> serial# 21572 12/18/01)	63900005
3	2	Roller Tube Bearing (Includes Lock Collars)	12500023	68	2	Photoeye w/Cable (Retro-Reflective) C-Box option w/connector (> serial# 21572 12/18/01)	63900034
4	2	Header Sloped Shroud Support End	14500707	69	2	Photoeye w/Cable (T.B. Receiver) C-Box option w/connector (> serial# 21572 12/18/01)	63900035
5	4	Roller Tube Lifting Strap (O.D.H. plus 5')	7231....	70	1	Photoeye Cable (TB) C-Box option w/3 conn	1586....
6	1	Roller Tube Retaining Ring	67020016	71	1	Photoeye Cable (TB) S/F option w/2 conn	1586....
7	1	Header Sloped Shroud Support Center	14500708	72	2/4	Photoeye Bracket (> serial# 21572 12/18/01)	14500025
8	2	Header Assembly	5215....	73	6/12	Photoeye Spring (> serial# 21572 12/18/01)	70700023
9	1	Header Brace Rear, Front, or Sloped Shroud	1668....	74	1	Screw, HHMS 3/8-16 x 3" GR5, znc	67880028
10	a/r	Cable, Assembly, I-Zone, Drive or Non-Drive	1561....	75	40	Screw, HHMS 3/8-16 x 1" GR5, znc	67880002
11	1	Header Curtain Adjustment Bar	1040....	76	4	Screw, FHMS, Phillips #8-32 x 7/8", znc	67850041
12	1	Header Top Cover with or w/o extrusion (Two-Way=D.O.W.; One-Way=D.O.W.+12")	1855....	77	4	Carriage Bolt 1/4-20 x 3/4" GR5, znc (L/S Bracket)	67860023
13	2	Header Cover Extrusion (Fold D.O.H. +29" Non-Drive Side, +5" Drive)	1855....	78	6/12	Screw, PHMS, Phillips #10-32 x 2", s.s.	67850039
14	1	Header Drive Shroud-ABS	69200096	79	3	Screw, FHMS, Phillips #10-24 x 1/2", znc	67850033
15	6	Header Brace to Sideframe Mount	14500552	80	1	Screw, Self Tap/Drill Phillips #8 x 1/2"	67850015
16	1	Header Brace Center Bracket Top	14500554	81	a/r	Screw, Self Tap/Drill Hex Hd #12-14 x 3/4"	67850004
17	1	Header Sloped Shroud (Specify Right or Left)	6932....	82	4	Screw, PHMS, Phillips #10-32 x 1 1/2", znc	67850111
18	4	Plate, Lifting Strap	65000338	83	4	Screw, Set, 1/4-20 x 1/4" (On gearmotor)	67860038
19	1	Gearmotor, Limit Switch, Ass'y (> 12/18/01 & < 5/20/03)	5523....	84	8	Carriage Bolt M6-1.0x16mm, GR8, znc (On gearmotor)	67930006
20	1	Brake, 105VDC, 12FT/LB	14800011	85	4	Cover, Curtain Guide V-Flex Straps	1878....
21	1	Brake Rectifier	66270009	86	8	Carriage Bolt 3/8-16 x 1", znc	67880092
22	-			87	8	Carriage Bolt 5/16-18 x 1", znc	67870032
23	2	Gearmotor Rubber Bumpers	15250057	88	4	Carriage Bolt 1/4-20 x 1 1/4", GR5, znc (Internal Controls)	67860024
24	1	Key, 1/4" x 3/16" x 4 1/2" (Included w/gearbox)	n/a	89	6	Hex Nut 3/8-16, Nylon Lock, znc	55630005
25	1	Gearmotor Anti-Rotation Plate (all versions)	65000395	90	47	Hex Nut 3/8-16, znc	55630003
26	1	Limit Switch Assembly (2 position-standard)	53700227	91	8	Hex Nut 5/16-18, znc	55620001
27	1	Limit Switch Assembly (4 position-alternate open)	53700292	92	4/8	Hex Nut 1/4-20, znc	55610002
28	2	Spacer, Gearbox (not on counterweight doors) (> 5/20/03 & upgrades)	70450095	93	3	Hex Nut #10-24, Nylon Lock, znc	55600004
30	1	Limit Switch Bracket	14500551	94	4	Hex Nut 1/4-20, Nylon Lock, znc	55610001
31	1	Limit Switch Chain RHD (17.25")	53700414	95	42	Washer Lock, 3/8", znc	74130002
32	1	Limit Switch Chain LHD (18.75")	53700415	96	28	Washer Flat, 3/8", znc	74130001
35	1	Limit Switch Chain Connector Link	54400008	97	8	Washer Lock, 5/16, znc	74120002
36	1	Limit Switch Chain Connector Offset Link	54400002	98	4/8	Washer Lock, 1/4", znc	74110004
37	1	Limit Switch Sprocket 30 tooth (roller tube shaft)	70800013	99	9	Washer Flat, 1/4", znc	74110001
38	1	Limit Switch Sprocket 10 tooth (limit switch shaft)	70800012	100	2	Washer Lock, #10 Int/Ext (Control Box Only)	74100004
39	4	Sideframe V-Flex Strap Guides (d.o.h. + 3')	7230....	101	2	Stand Clear Warning Labels	53850058
40	1	Sideframe Assembly (> 12/18/01)	6814....	102	12'	Nylon Rope Solid Braid 5/32"	67600001
41	2	Sideframe Cover Plastic with or w/o extrusion (Fold door D.O.H. +29" Non-Drive Side, +5" Drive)	1854....	103	1	Rubber Grommet	51280004
42	2	Sideframe Cover Extrusion (Fold D.O.H. +29" Non-Drive Side, +5" Drive)	44850147	104	8	Screw, FHMS, Allen 1/4-20 x 3/4", znc	67860042
43	1	Sideframe Bracket-Anti-Rotation	14500550	105	d.o.h.-12'	Cable, Limit Switch-Control Station (Standard)	15650154
44	2	Sideframe Top Caps (not on interior doors)	16200024	106	2	Photoeye Reflector	66400001
45	2	Sideframe Cover Steel (Fold D.O.H. +29" Non-Drive Side, +5" Drive)	1875....	107	2	Photoeye w/Cable (Thru-Beam Source) w/connector (> 12/18/01)	63900036
46	1	Header Cover Top (Steel)	1855....	108	4	Spacer, #12-3/8OD x 5/16" (> 12/18/01)	70450036
47	-			109	3	Screw, FHMS, PHLP, #10-24 x 3/4", znc	67850116
48	1	Sideframe Backpanel Cover (Integral Controls only)	17900080	110	4	Hex Nut #8-32, znc	55600002
49	1	Sideframe Conduit Mounting Bracket (Control Box only)	14500764	111	4	Rubber Grommet	51280002
50	2	Sideframe Bottom Plate (> 12/18/01)	65000355	112	-		
51	2	Tension Pin Short RH Threads	73000009	113	-		
52	2	Tension Pin Short LH Threads w/Groove	73000013	114	-		
53	2	Tension Pin Long RH Threads-High Wind	73000010	115	1	Kit, 8910/20, M/B/G,WM,RH,230/460V (no c.w.)	53700428
54	2	Tension Pin Long LH Threads-High Wind	73000014	116	1	Kit, 8910/20, M/B/G,WM,RH,400V (no c.w.)	53700429
55	2	Tension Pin RH Nut	55670006	117	1	Kit, 8910/20, M/B/G,WM,RH,575V (no c.w.)	53700430
56	2	Tension Pin LH Nut	55670007	118	1	Kit, 8910/20, M/B/G,WM,LH,230/460V (no c.w.)	53700431
57	4	Tension Pin Washers	74150013	119	1	Kit, 8910/20, M/B/G,WM,LH,400V (no c.w.)	53700432
58	4	Tension Pin Guards-Short (> 12/18/01)	51300039	120	1	Kit, 8910/20, M/B/G,WM,LH,575V (no c.w.)	53700433
59	4	Tension Pin Guards-Long-High Wind (> 12/18/01)	51300040	121	1	Kit, 8910/20, M/B/G,BVL,230/460V (c.w.)	53700368
60	1	Cable, Control Box (> 2/20/06)	1557....	122	1	Kit, 8910/20, M/B/G,BVL,400V (c.w.)	53700369
60	1	Cable, Control Box A.B.PLC & RH PLC(<2/20/06)	1585....	123	1	Kit, 8910/20, M/B/G,BVL,575V (c.w.)	53700370
61	1	Cable, Motor/Brake-Control Box	15650156	124	a/r	I-Zone Detector, Assembly	7622....
62	d.o.h.-12'	Cable, Motor/Brake-Control Station	15650019	125	a/r	I-Zone Detector, Upgrade Kit	7636....
63	1	Cable, Limit Switch-C Box w/o Alt Open L/S	15650155	126	1	Entire Door Assembly	8920....
64	d.o.h.-12'	Cable, L/S-Control Station w/ Alt Open L/S	15650022	127	a/r	Kit, P.E. Bracket, w/HDW	53700320
65	1	Cable, Limit Switch-CBox w/ Alt Open L/S-36"	15650160				

CHAPTER 5 - ACTIVATION SERVICE PARTS

#	Part #	Description	5700	7100	8000	8600	8900	FSTX	FSTXCL	FSTXFR	FSTXFRD	FSTXXL	LTSPD	Split2nd
1	11050007	Alarm, Audible, 24AC/DC, 22.5 (I-Zone)	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	N
2	11050010	Alarm, Audible, 120VAC, 10-TONE, AB	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
3	17500025	Controller, Wireless, Act, BTR, 12-24V	N	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y
4	17500001	Induction Loop Board, 24VDC (<5/28/14)	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N
5	17500010	Induction Loop Board, 12/24VDC (=>6/20/12)	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
6	52000037	Induction Loop Board Harness (<5/28/14)	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N
7	52000056	Induction Loop Board Harness (=>6/20/12)	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
8	53700552	Induction Loop, Kit, Single (<5/28/14)	N	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N
9	53700864	Induction Loop, Kit, Dual	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
10	55150279	i-COMM ii LCD Interface	N	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y
11	7622	I-Zone Kit	N	N	Y	N	Y	Y	N	Y	Y	Y	Y	N
12	7636	I-Zone Upgrade Kit, Non FasTrax	N	N	Y	N	Y	N	N	N	N	N	Y	N
13	7637	I-Zone Upgrade Kit, FasTrax	N	N	N	N	N	Y	N	Y	Y	Y	N	N
14	14500774	I-Zone Sensor Bracket Black	N	N	Y	N	Y	Y	N	Y	Y	Y	Y	N
15	14500775	I-Zone Sensor Bracket Gray	N	N	Y	N	Y	Y	N	Y	Y	Y	Y	N
16	14500783	I-Zone Sensor Bracket Stainless	N	N	Y	N	Y	Y	N	Y	Y	Y	Y	N
17	17900110	I-Zone Cover Gray	N	N	Y	N	Y	Y	N	Y	Y	Y	Y	N
18	17900111	I-Zone Cover Black	N	N	Y	N	Y	Y	N	Y	Y	Y	Y	N
19	17900112	I-Zone Cover Stainless	N	N	Y	N	Y	Y	N	Y	Y	Y	Y	N
20	14501212	Motion Sensor, Mounting Bracket	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
21	55200012	Motion Sensor, Remote Programmer	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
22	55200018	Motion Sensor, FalconXL < 11.5"H	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
23	55200019	Motion Sensor, Falcon >= 11.5"H	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
24	55200021	Motion Sensor, IS40, 12-24V	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
25	55200022	Motion Sensor, LZRI30, 12-35VDC	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
26	55200023	Motion Sensor, MS08, Touchless, 12-24V	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
27	55200024	Motion Sensor, IS40XL, 12-24V	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
28	14500024	Photoeye Mounting Bracket	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
29	53700053	Photoeye, 24V, Kit, Thru-beam	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
30	53700122	Photoeye, 24V, Kit, Retroreflective	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
31	66400001	Photoeye, Reflector, 2 3/4" x 2"	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
32	63900002	Photoeye, Retro-Reflective 20-40VAC/10-55VDC	N	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y
33	69300004	Photoeye, Thru-beam Source 20-40VAC/10-55VDC	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
34	63900005	Photoeye, Thru-beam Receiver 20-40VAC/10-55VDC	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
35	63900048	Photoeye, Light Curtain, Receiver, (CE)	N	N	N	N	N	Y	N	Y	Y	N	N	N
36	63900049	Photoeye, Light Curtain, Transmitter, (CE)	N	N	N	N	N	Y	N	Y	Y	N	N	N
37	72700213	Pull Cord, Assembly, w/Bracket, Standard	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
38	72700214	Pull Cord, Assembly, w/Bracket, Heated	N	Y	Y	Y	Y	N	Y	Y	Y	N	N	N
39	72700270	Pull Cord, Wireless	N	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y
40	72700030	Push Button Station Single Green	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
41	72700102	Push Button Station, Open/E-Stop/Close, Nema 4X	N	N	N	N	N	N	N	Y	Y	N	Y	Y
42	72700269	Push Button, Single, Wireless	N	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y
43	66250020	Radio Control, RCVR, BEA, 433, 12-24V, 1 FN (=>8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
44	73750078	Radio Control, Trans, BEA, 433, 1 BTN (=>8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
45	73750079	Radio Control, Trans, BEA, 433, 2 BTN (=>8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
46	73750080	Radio Control, Trans, BEA, 433, 3 BTN (=>8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
47	11280002	Radio Control Ant w/15' Cable, 318 MHZ (<8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
48	53700068	Radio Control, 24V, Kit, 318 MHZ (<8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
49	66250016	Radio RCVR, 24V 318 MHZ (<8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
50	66250017	Radio RCVR, 24V 300 MHZ (<8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
51	73750002	Radio TRANS, 300 MHZ, BTN, 4 (<8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
52	73750015	Radio TRANS, 318 MHZ, BTN, 1 (<8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
53	73750018	Radio TRANS, 318 MHZ, BTN, 3 (<8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
54	73750019	Radio TRANS, 318 MHZ, BTN, 2 (<8/26/14)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
55	54270030	Strobe 120VAC Amber	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
56	54270031	Strobe 120VAC Red	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
57	53700567	Switch, Disconnect w/Handle	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
58	72700011	Switch, Selector, 2 Pos, Key	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
59	72700072	Switch, Selector, 2 Pos (Socket p/n: 17200012)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
60	72700144	Switch, Selector, 3 Pos, 3 Pole, 12A	Y	N	N	N	N	N	N	N	N	N	N	N
61	VRTLV	Virtual Vision, Kit, Stand Alone	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
62	7623	Virtual Vision, Kit, FSTXFR/LTSPD	N	N	N	N	N	Y	N	Y	N	N	Y	Y
63	7624	Virtual Vision, Kit, FSTXCL	N	N	N	N	N	N	Y	N	N	N	N	N
64	7628	Virtual Vision, Kit, FSTXXL	N	N	N	N	N	N	N	N	N	Y	N	N
65	53700862	Warning Device Kit, Relay, i-COMM	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
66	53700863	Warning Device Kit, Relay, PLC	N	N	Y	Y	Y	N	N	N	N	N	N	N
67	53700306	Kit, Activation Service Parts (loop, pe, pull, push)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
#	Part #	Description	5700	7100	8000	8600	8900	FSTX	FSTXCL	FSTXFR	FSTXFRD	FSTX	LTSPD	Split2nd

Last updated: 10.15.14

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RITE-HITE DOOR PRODUCT WARRANTY



RITE-HITE Company, LLC and its affiliates (collectively "RITE-HITE") warrants that the TrakLine Roll or TrakLine Fold door sold to the Owner will be free of defects in design, materials and workmanship (ordinary wear and tear excepted) for the periods set forth below ("Limited Warranty").

One (1) Year on all mechanical and electrical parts.

One (1) Year labor, based on approved travel and labor repair times.

REMEDIES

Parts. RITE-HITE's obligations under this Limited Warranty is limited to repairing or replacing, at RITE-HITE's option, any part which is determined by RITE-HITE to be defective during the applicable warranty period. Such repair or replacement shall be RITE-HITE's sole obligation and the Owner's exclusive remedy under this Limited Warranty.

Labor. RITE-HITE will provide warranty service without charge for labor in the first year of the warranty period. Thereafter, a charge will apply to any repair or replacement under this Limited Warranty.

CLAIMS. Claims under this Limited Warranty must be made (i) within 30 (thirty) days after discovery and (ii) prior to expiration of the applicable warranty period. Claims shall be made in writing or by contacting the representative from whom the Product was purchased directly. Owner must allow RITE-HITE or its agent, a reasonable opportunity to inspect any Product claimed to be defective and shall, at RITE-HITE's option, either (x) grant RITE-HITE or its agent access to Owner's premises for the purpose of repairing or replacing the Product or (y) return of the Product to the RITE-HITE, f.o.b. RITE-HITE's factory.

NOT WARRANTED. RITE-HITE does not warrant against and is not responsible for wear items such as fuses, batteries, bulbs, vision and seals. No implied warranty shall be deemed to cover, damages that result directly or indirectly from: (i) the unauthorized modification or repair of the Product, (ii) damage due to misuse, neglect, accident, failure to provide necessary maintenance, or normal wear and tear of the Product, (iii) failure to follow RITE-HITE's instructions for installation, failure to operate the Product within the Product's rated capacities and/or specified design parameters, or failure to properly maintain the Product, (iv) use of the Product in a manner that is inconsistent with RITE-HITE's guidelines or local building codes, (v) movement, settling, distortion, or collapse of the ground, or of improvements to which the Products are affixed, (vi) fire, flood, earthquake, elements of nature or acts of God, riots, civil disorder, war, or any other cause beyond the reasonable control of RITE-HITE, (vii) improper handling, storage, abuse, or neglect of the Product by Owner or by any third party.

DISCLAIMERS. THIS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, AND RITE-HITE EXPRESSLY DISCLAIMS AND EXCLUDES ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PURPOSE. RITE-HITE SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW, WITH RESPECT TO THE PRODUCTS SOLD OR SERVICES RENDERED BY RITE-HITE, OR ANY UNDERTAKINGS, ACTS, OR OMISSIONS RELATING THERETO.

LIMITATION OF LIABILITY. IN NO EVENT SHALL RITE-HITE BE RESPONSIBLE FOR, OR LIABLE TO ANYONE FOR, SPECIAL, INDIRECT, COLLATERAL, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RITE-HITE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Such excluded damages include, but are not limited to, personal injury, damage to property, loss of goodwill, loss of profits, loss of use, cost of cover with any substitute product, interruption of business, or other similar indirect financial loss.

RITE-HITE DOORS, INC. is covered by one or more of the following U.S. patents, including patents applied for, pending, or issued:

5,579,820, 5,638,883, 5,794,678, 5,887,385, 5,915,448, 5,944,086, 6,089,305, 6,145,571, 6,148,897, 6,192,960, 6,212,826, 6,321,822, 6,325,195, 6,330,763, 6,360,487, 6,481,487, 6,560,927, 6,598,648, 6,612,357, 6,615,898, 6,688,374, 6,698,490, 6,837,296, 6,901,703, 6,942,000, 6,964,289, 7,034,682, 7,045,764, 7,111,661, 7,114,753, 7,151,450, 7,578,097, 7,699,089, 7,748,431, 7,757,437, 8,037,921, 8,167,020, 8,113,265.

FCC COMPLIANCE

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received, including interference that may cause undesirable operation.

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