

# **DOOR INSTALLATION MANUAL**

for  
**Super-Seal Mfg. Ltd. SuperLogic NT**  
**& SuperLogic NT Plus (High Speed**  
**Roll-Up Doors)**

The Customer/Dealer generally supplies mounting hardware based on specifications of wall. Super-Seal Mfg. Ltd. is not responsible for supplying wall mounting fasteners.

## INSTALLATION INVENTORY LIST

### Suggested Tools

Tape Measure  
 Plumb Line or Level  
 Pencil or Marker  
 Square  
 Power Drill  
 Hammer Drill  
 Masonry Drill Bit  
 Socket Set – Standard (Imperial) & Metric  
 Wrench Set – Standard (Imperial) & Metric  
 Allen Key Set – Standard (Imperial) & Metric  
 Socket Wrench  
 Hammer  
 Screwdrivers  
 Knife or Scissors  
 General Purpose Grease BR2+  
 Serviceable thread locker  
 Ladder  
 Appropriate lifting device (eg. forklift)  
 (to elevate door vinyl roll to top of door frame)  
 Clamps (for holding Uprights while mounting)

### Components List

1. Right Side Upright
2. Left Side Upright
3. Top Stabilizing Tube
4. Fabric Roll
5. Motor with mounted Encoder
6. Crank Handle
7. Control Panel, complete with bottom bar controller & electrical schematics
8. Hardware Box  
(see list below)

### #8. HARDWARE BOX INCLUDES ALL LISTED BELOW WITH EVERY UNIT

#	ITEM	QTY.
1.	1/4" Washer (for mounting Top Stabilizing Tube)	x2
2.	5/16" x 3/4" Hex Bolt (for mounting Top Stabilizing Tube)	x2
3.	M14 x 30mm Hex Bolt (for mounting Bearing)	x4
4.	M14 Lock Washer (for mounting Bearing)	x4
5.	#10 (24) Thread Cutting Screw (for STEEL Bottom Bar) <b>or</b> #6 x 1/2" Pan Head Wood Screw for SOFT Bottom Bar) --- (FOR MOUNTING BOTTOM BAR CONTROLLER)	x2
6.	Photo Eye (reflector and sensor kit) ( <i>Pre-mounted components include:</i> 10# x 3/4" TEK screw for photo eye mount, plus x4 Lock Washer)	x1
7.	Push Button Station (with Green Activation button and Red Emergency Stop)	x1
8.	Crank Handle Wall Mount (2 Pack)	x1
9.	Door Install Manual, Electrical Install Manual, Start-up & Adjustments Manual, Operations Manual, Troubleshooting Guide, Maintenance Manual, PLUS CD	x1 book with 1 CD

**Please note:** This list covers components of a standard installation and does not include optional devices or additional optional electrical components.

**DOOR INSTALLATION MANUAL**  
**for**  
**Super-Seal Mfg. Ltd. SuperLogic NT**  
**& SuperLogic NT Plus** (High Speed Roll-  
Up Doors)

READ ALL INSTRUCTIONS BEFORE INSTALLING DOOR. SUPER-SEAL MFG LTD. WILL NOT BE HELD RESPONSIBLE FOR IMPROPER INSTALLATION OF ANCHORING DEVICES, OR FOR INSTALLATION INTO AGED UNSOUND CONCRETE, CONCRETEBLOCK, OR OTHER WALL OR FLOOR MATERIAL WHICH MAY RESULT IN PREMATURE PRODUCT WEAR, PRODUCT FAILURE, PROPERTY DAMAGE, OR PERSONAL INJURY.

**STEP 1.**

**Check Order:**

**a.) Measure door opening height and width (door size).**

Compare work order with tags attached to all components shipped -- The Top Stabilizer Tube is cut to the door opening width as ordered.

**b) Check Components List and Hardware Supplied List.**

Make sure all components and hardware are present. --- Check all tags to ensure all components match the door you are about to install.

**c) Check Recommended Tool List.**

Make sure all recommended tools are available.

**d) Determine method of mounting door to wall.**

Examine wall construction and decide whether to use concrete anchors, threaded rod, or another fastening method. This door must be securely fastened to the wall.

The Customer/Dealer generally supplies mounting hardware based on specifications of wall. Super-Seal Mfg. Ltd. is not responsible for supplying mounting fasteners.

**WELDING THE DOOR TO THE WALL IS NOT RECOMMENDED.**

**f) Installation Recommendations**

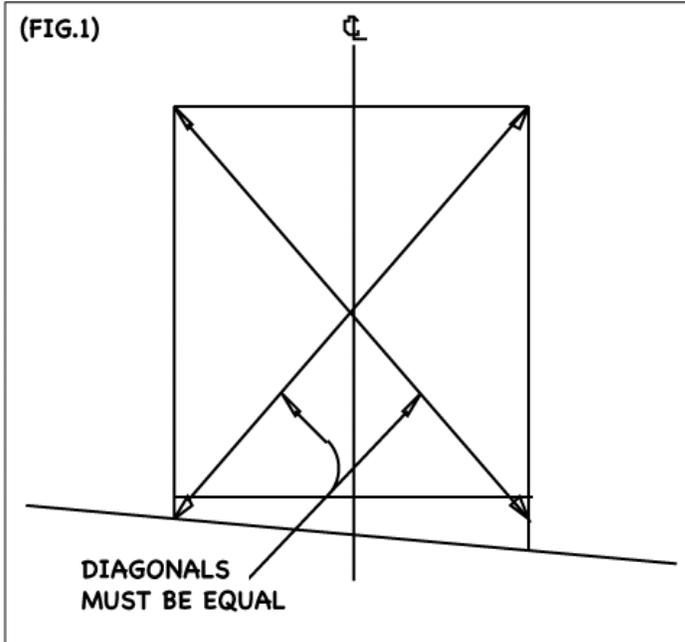
- Use serviceable thread locker for all fasteners, including bolts and set screws, except on front covers where lock washers are implemented.
- Use anti-seize lubricant on all shafts.

**STEP 2.****Prepare Door Frame:****a.) Correct door opening height and width.**

- **DIAGONALS MUST BE EQUAL**
- Top Stabilizer Tube is cut to the door opening width as ordered.

**To determine if the height and width are equal, follow these steps:**

- Measure left and right sides of door opening from top to bottom.
- The height of the left and right sides of the opening should be the same. See (FIG.1) shown.
- Measure the top and bottom of door opening from side to side. The width of the top and bottom of the opening should be the same.

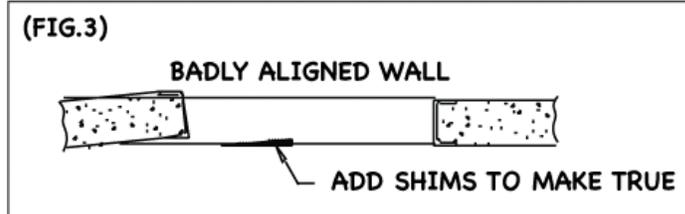
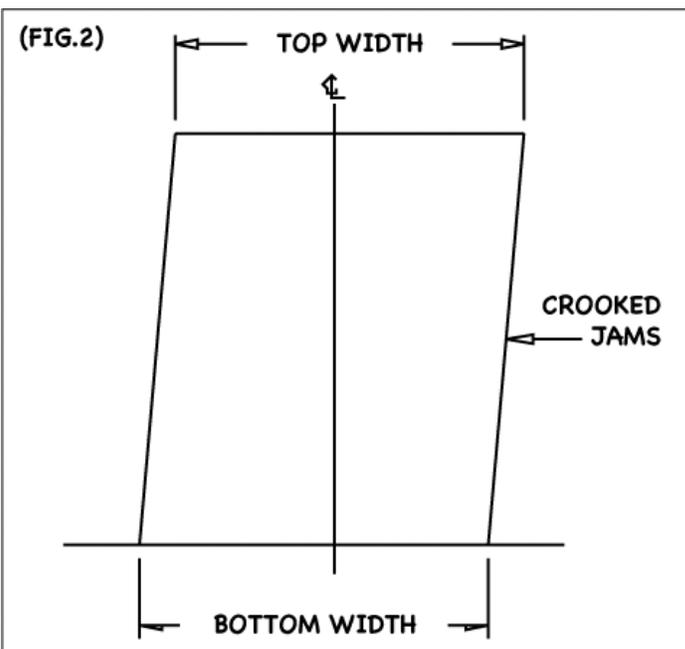


**IF DOOR FRAME MEASUREMENTS DO NOT COINCIDE**, see the following examples:

**If floor is sloped**, level the floor in and around door opening (FIG. 1).

**If the door jambs are crooked**, install door on the center line (FIG. 2).

**If the wall is badly aligned**, shim wall to make true (FIG. 3).

**b.) Ensure there is enough space to access mounting components**

- Check the tags mounted to all components, along with the work order to verify the Motor and Control Panel locations.
- Remove all obstructions on floor, walls and ceiling.

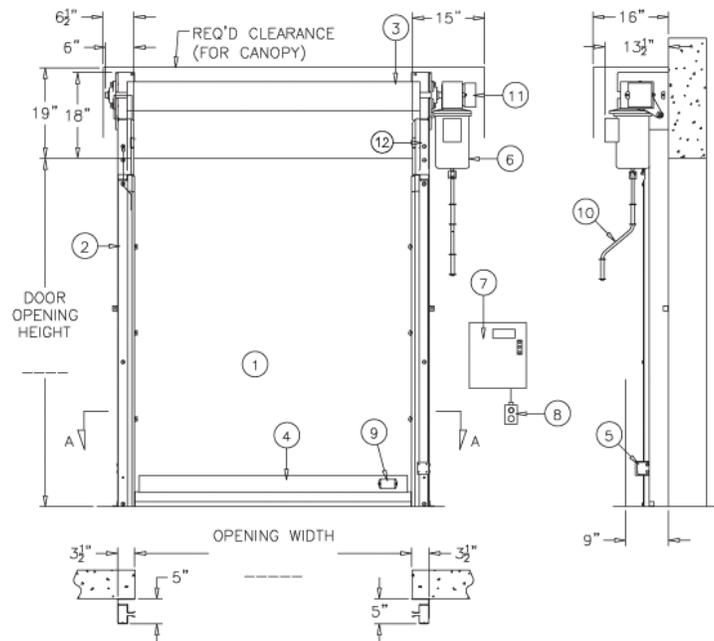
**STEP 2. (continued)**

Please see the following diagrams for a physical representation and space requirements for a correct installation of each of the following High Speed Roll-up Doors:

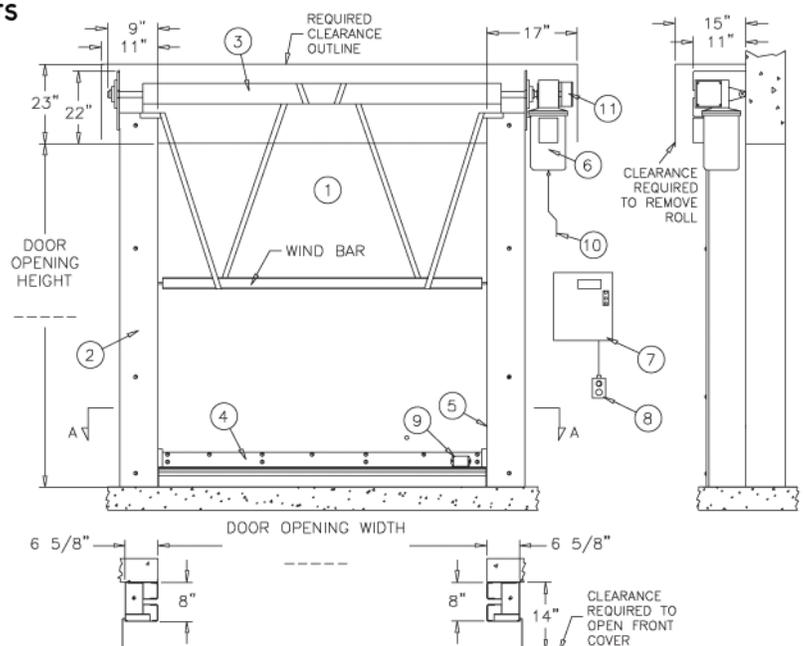
1. 8500 PLATINUM – FIG. 4a
2. 8500 DIAMOND – FIG. 4b
3. 8500 LC – FIG. 4c

**8500 PLATINUM****FIG. 4a** ↓**(FIG.4a) 8500 Platinum: SPACE REQUIREMENTS**

- 1- FABRIC PANEL
- 2- STEEL UPRIGHT C/W FRONT COVER
- 3- FABRIC ROLL DRUM
- 4- SOFT BOTTOM BAR C/W "SUPEREDGE SENSOR"
- 5- THRESHOLD PHOTO EYE
- 6- MOTOR C/W BRAKE AND GEARBOX
- 7- NON METALLIC NEWA 4x CONTROL PANEL (SIZE IS BASED ON SPEED SPECIFICATIONS)
- 8- PUSH BUTTON STATION (x1 STANDARD) C/W GREEN PUSH BUTTON AND RED EMERGENCY STOP
- 9- WIRELESS BOTTOM BAR CONTROLLER
- 10- MANUAL CRANK HANDLE (TO BE MOUNTED SECURELY FOR EASY ACCESS AND CLOSE TO DOOR OPENING)
- 11- ENCODER BOX
- 12- AUTO-RETURN BRACKETS

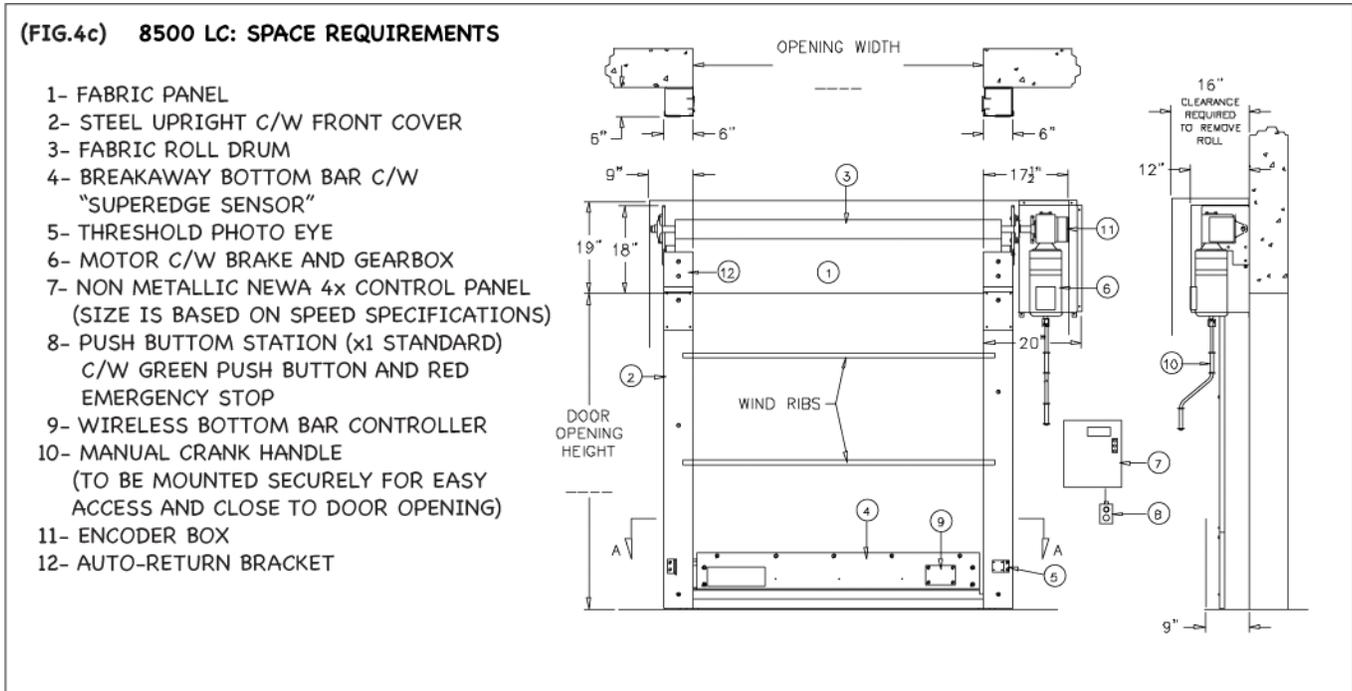
**8500 DIAMOND****FIG. 4b** ↓**(FIG.4b) 8500 Diamond: SPACE REQUIREMENTS**

- 1- "ATMOTUFF" MONOFILAMENT
- 2- STEEL UPRIGHT C/W HINGED FRONT COVER
- 3- FABRIC ROLL DRUM
- 4- BREAKAWAY BOTTOM BAR C/W "SUPEREDGE SENSOR"
- 5- THRESHOLD PHOTO EYE
- 6- MOTOR C/W BRAKE AND GEARBOX
- 7- NON METALLIC NEWA 4x CONTROL PANEL (SIZE IS BASED ON SPEED SPECIFICATIONS)
- 8- PUSH BUTTON STATION (x1 STANDARD) C/W GREEN PUSH BUTTON AND RED EMERGENCY STOP
- 9- WIRELESS BOTTOM BAR CONTROLLER
- 10- MANUAL CRANK HANDLE (TO BE MOUNTED SECURELY FOR EASY ACCESS AND CLOSE TO DOOR OPENING)
- 11- ENCODER BOX



**STEP 2. (continued)**

Please see the following diagrams for a physical representation and space requirements for:  
**8500 LC**  
**FIG. 4c** ↓



**NOTE:** THIS INSTALLATION MANUAL INCLUDES INFORMATION FOR 8500 PLATINUM, DIAMOND AND LC HIGH SPEED DOORS. FOR THOSE INTERESTED IN RECEIVING INFORMATION AND/OR INSTALLATION INSTRUCTIONS FOR EITHER THE 8500S OR 8500L DOOR, PLEASE CONTACT YOUR LOCAL DEALER OR SUPER-SEAL MFG LTD. DIRECTLY BY CALLING TOLL FREE 1-800-337-3239. PLEASE DO NOT ATTEMPT TO INSTALL ANY HIGH SPEED DOOR WITHOUT INSTALLATION, ELECTRICAL AND OPERATIONS INSTRUCTIONS.

**STEP3.****Mount Top Stabilizing Tube:**

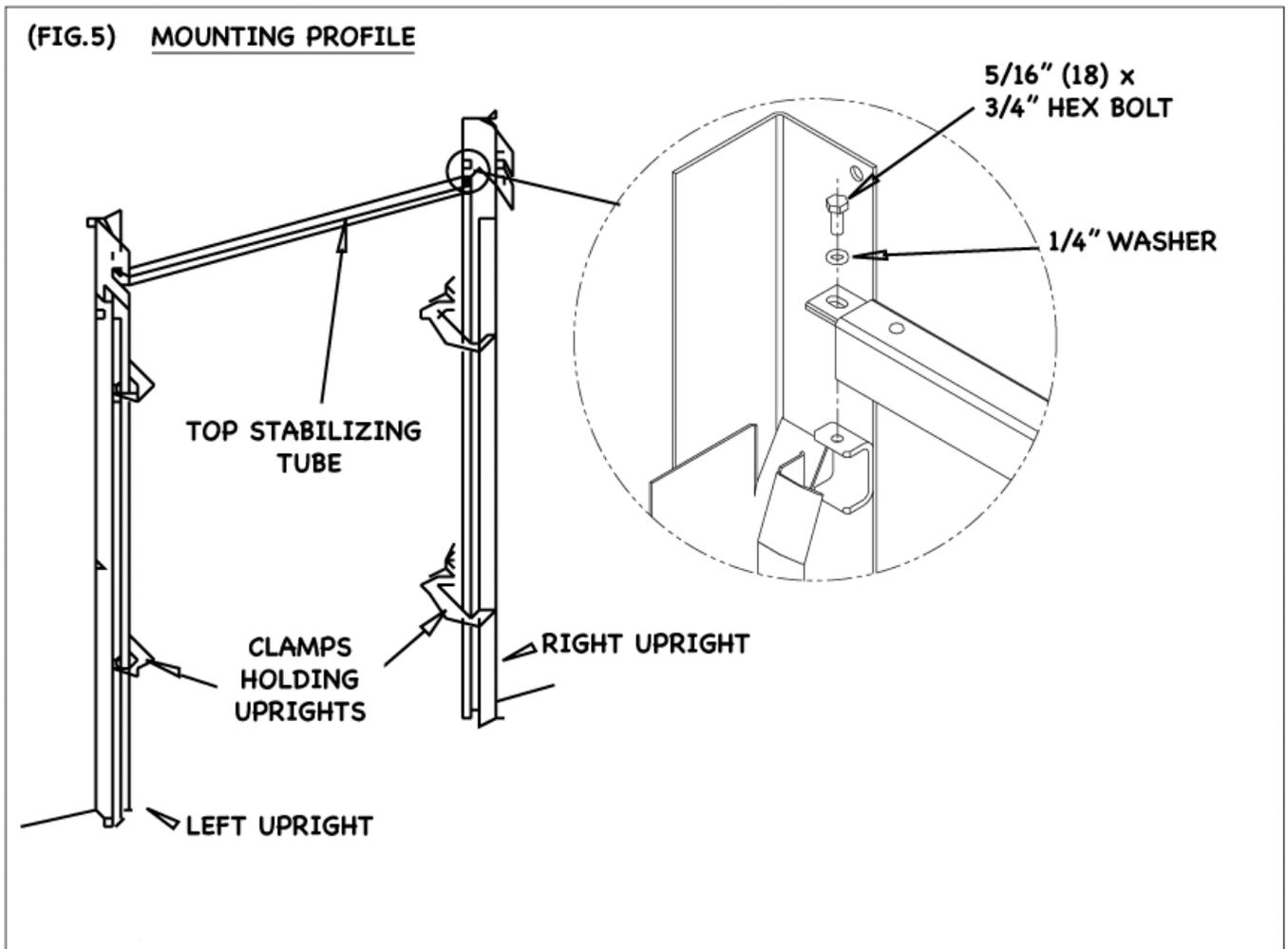
a.) Remove front covers from uprights to prepare uprights for clamping to wall.

- NOTE:** IF, INSTALLING AN 8500LC OR 8500 PLATINUM HIGH SPEED DOOR; PLEASE REMOVE AUTO-RETURN BRACKET FOR EASIER INSTALLATION OF FABRIC ROLL.

- Remove identification tags from Uprights.

b.) Clamp Both Left and Right Uprights and ensure they are flush to edge of a door jamb.

- Ensure mounting holes are against wall and anchor plates at the bottom (See FIG.5)



c.) Attach Top Stabilizing Tube to Uprights

- Place Top Stabilizing Tube between left and right Uprights.
- Insert 1/4" washer and 5/16" (18) x 3/4" Hex bolts (x4) through mounting holes and tighten

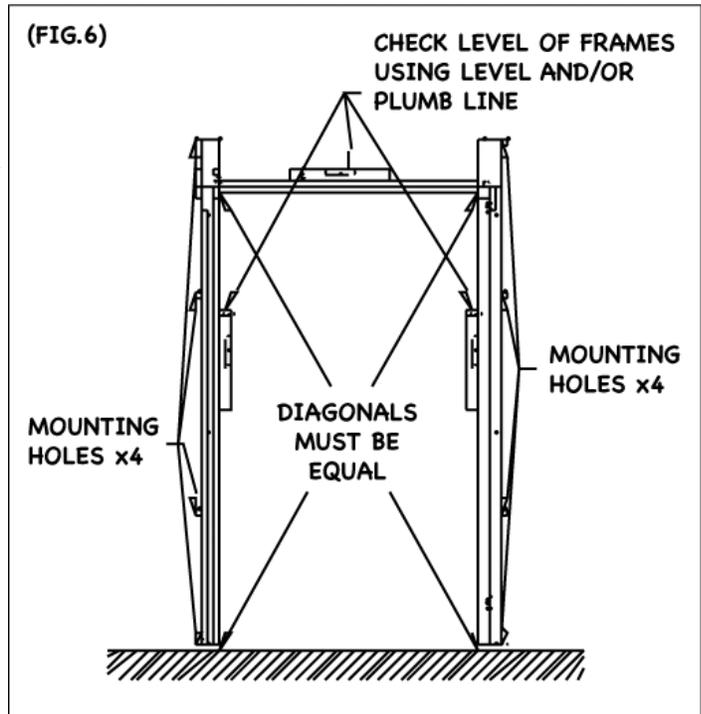
- NOTE:** THE TOP STABILIZER TUBE IS CUT TO THE DOOR OPENING WIDTH AS ORDERED. DO NOT ATTEMPT TO MOUNT A TOP STABILIZER TUBE IF YOU SUSPECT MEASUREMENTS INCORRECT.

**STEP4.****Mount Uprights to Wall:****a.) Check Uprights & Top Stabilizing Tube**  
for plumb, level and square (See FIG.6)

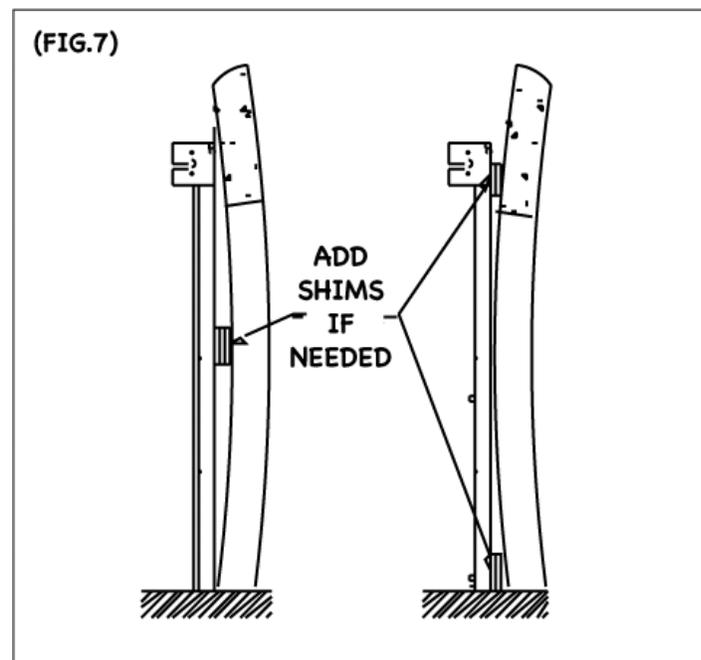
- **Do this by** measuring top to bottom, left to right, and diagonally from all corners.

**NOTE:** The Uprights **MUST** be plumb, level, square in height, width and depth to ensure door operating system functions effectively and efficiently.

**NOTE:** MAKE SURE UPRIGHTS ARE NOT **TWISTED** or **WARPED** BEFORE FASTENING

**b.) Shim Uprights** as needed.

- Uprights must not twist or warp when attached to wall (See FIG.7)

**c.) Attach Uprights to wall**

- **Drill through mounting holes**
- **Insert proper hardware into mounting holes based on specifications of wall** (*i.e. concrete fasteners for concrete wall*). Super-Seal Mfg. Ltd. is not responsible for supplying wall mounting fasteners.
- **Tighten Uprights to wall** (See FIG.6) for location of mounting holes.

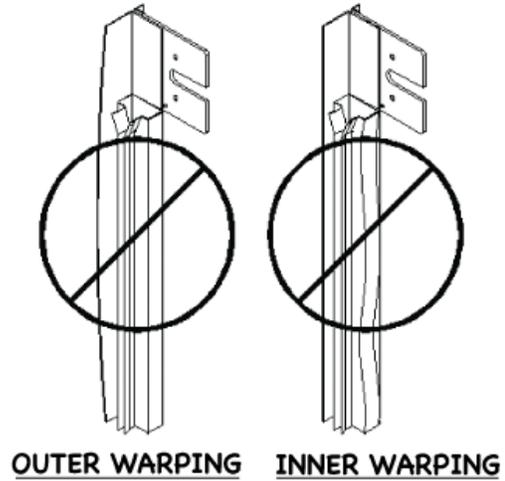
**NOTE:** WELDING THE DOOR TO THE WALL IS NOT RECOMMENDED

**STEP4.****d.) Ensure Verticals are Plumb, Level and Square**

- Make sure Uprights are properly aligned and not deformed (See FIG.8)

**NOTE: TO PREVENT WARPING OF UPRIGHTS PLEASE ENSURE UPRIGHTS ARE PROPERLY ALIGNED PRIOR TO MOUNTING AND LEVEL/PLUMB AFTER MOUNTING.**

(FIG.8)

**EXAMPLES OF INCORRECTLY MOUNTED UPRIGHTS**

**STEP5.****Install Fabric Roll:**

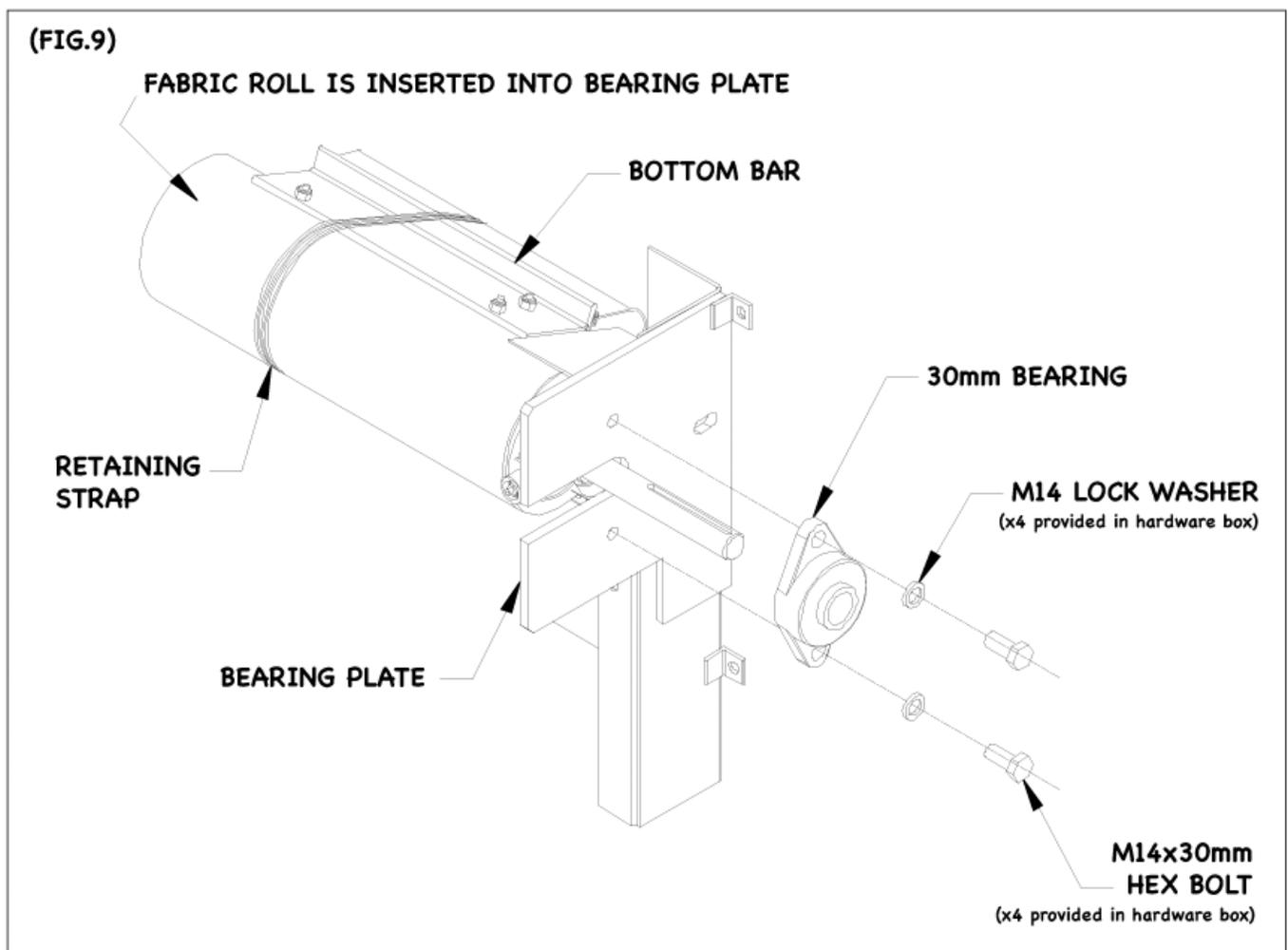
**NOTE: DO NOT REMOVE RETAINING STRAPS AT THIS TIME.**

**a.) Pre-position Fabric Roll**

- prior to lifting roll; ensure fabric roll Journal is positioned with keyway on the Motor side as specified on work order.
- **NOTE:** Motor and Control Panel may at times, not be mounted on the same side, verify work order.

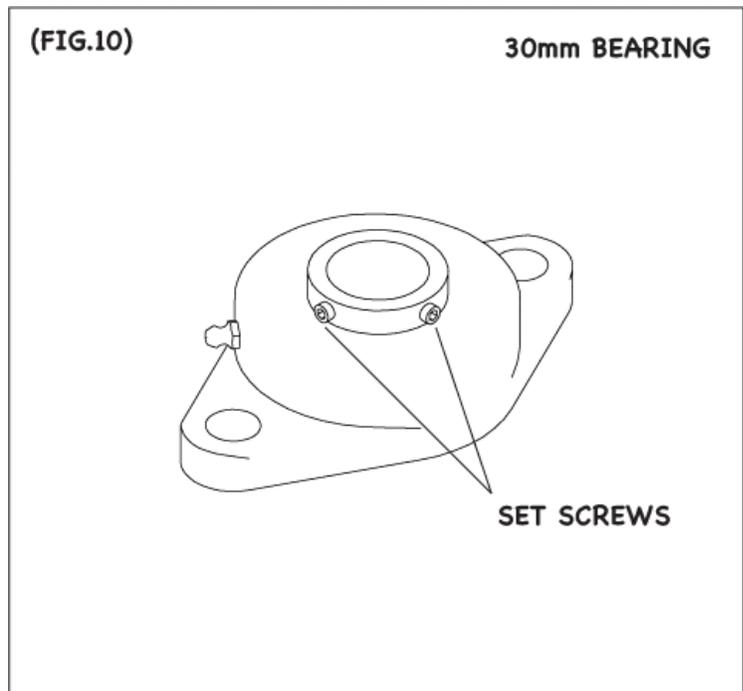
**b.) Insert Fabric Roll Journal into Bearing Plates AND Centre (See FIG.9)**

- Use suitable method to lift Fabric Roll into Bearing Plates (*e.g. forklift*)
- carefully guide Journal into bearing plate slots and position keyway face-up within the bearing plate.
- Centre Fabric Roll by hand until evenly positioned between vertical uprights.
- **DO NOT** hit end of Journal to adjust roll shaft.
- Ensure Fabric Roll is level.



**STEP 5. (continued)****Install Fabric Roll Continued:****c.) Attach Bearings to Bearing Plates.**

- Loosen pre-mounted set screws on Bearings. (FIG.10)
- Keep bearings on outside of Bearing Plates. (FIG.9)
- Line up Bearings with mounting holes provided. (FIG.9)
- Attach Bearings to Bearing Plates using provided hardware (x4 - M14 Lock Washer & x4 M14x30mm Hex Bolt)
- Repeat for other side.
- Re-tighten set screws on bearings with serviceable thread locker. ☐

**STEP 6.****Install Motor on Specified Side of Upright:**

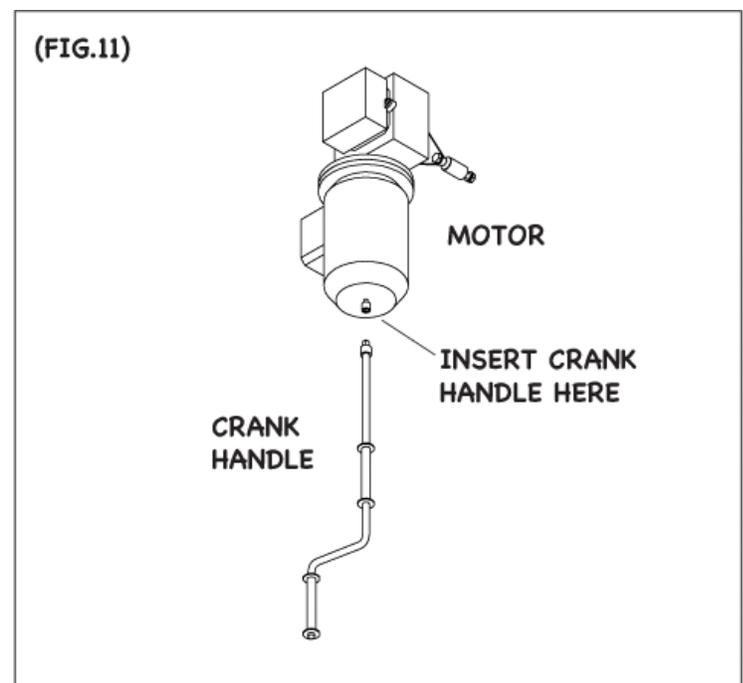
☐ **PLEASE NOTE:** Motor and Door Fabric is tailor made to suit order specifications, please do not try to install the motor on the right side if door was built for a left side motor door or vice versa, **THE DOOR WILL NOT OPERATE CORRECTLY.** Please contact your local Sales Representative or Dealer to receive correct components for all installations.

**a.) Align Keyway on Motor with Keyway on Fabric Roll Shaft**

One way of doing this would be:

- Turn Motor using Crank Handle (See FIG.11) by placing crank handle at bottom of Motor until motor keyway aligns with fabric roll keyway.

☐ **NOTE:** MOTOR WILL NOT MOUNT EASILY IF KEYWAY ON MOTOR IS NOT ALIGNED WITH KEYWAY ON FABRIC ROLL SHAFT.



**STEP 6. (continued)****Install Motor Continued:****b.) Slide Motor onto Fabric Roll Shaft**

- Determine safe method of lifting Motor onto Shaft (*e.g. man hoist*)
- Remove black tape from shaft (See FIG.12)

**NOTE:** KEYWAY SHOULD BE POSITIONED AT TOP TO AVOID LOSING THE KEY ONCE TAPE IS REMOVED.

**c.) Mount Spacer**

- Remove M12 x 50 Hex bolt and 1/2" BS Lock Washer from Torque Arm Spacer. (See FIG.13)
- Keep bolt in safe place for next step.

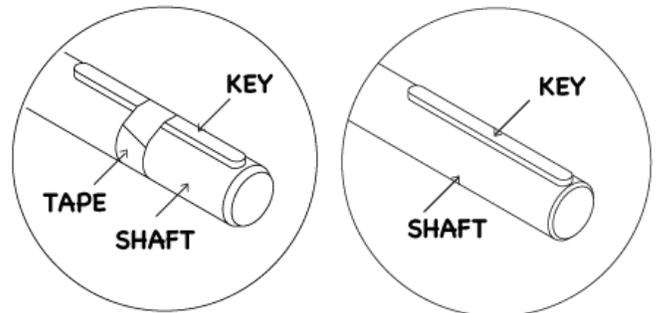
**d.) Slide Motor onto Shaft**

- Once key on shaft is aligned with keyway on motor side; slide motor onto shaft. (See FIG.14)
- Position Torque Arm Spacer between the Bearing Plate and the Motor Torque Arm at hole provided.
- Insert bolt mentioned in FIG.13 and tighten. (M12 x 50 Hex Bolt and 1/2" BS Lock

**NOTE:** MOTOR MUST BE SECURELY INSTALLED BEFORE CUTTING THE RETAINING STRAPS.

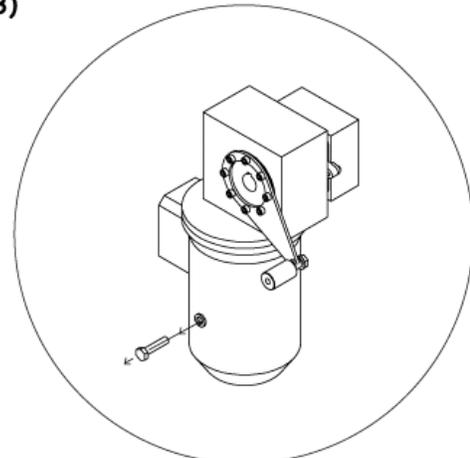
(FIG.12)

KEYSHAFT AFTER TAPE IS REMOVED. KEY IS LOOSE IN SHAFT, BE SURE TO REMOVE TAPE WHEN SHAFT IS UPRIGHT.



TAKE SPECIAL CARE NOT TO MISPLACE KEY AS IT IS REQUIRED TO TURN MOTOR.

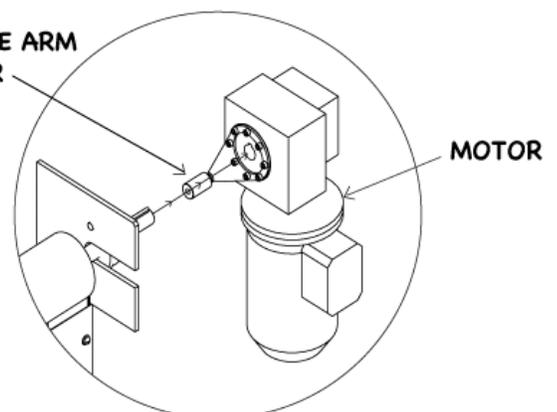
(FIG.13)



MOUNT SPACER BY REMOVING PRE-MOUNTED HARDWARE (M12 x 50 HEX BOLT & 1/2" BS LOCK WASHER)

(FIG.14)

TORQUE ARM SPACER



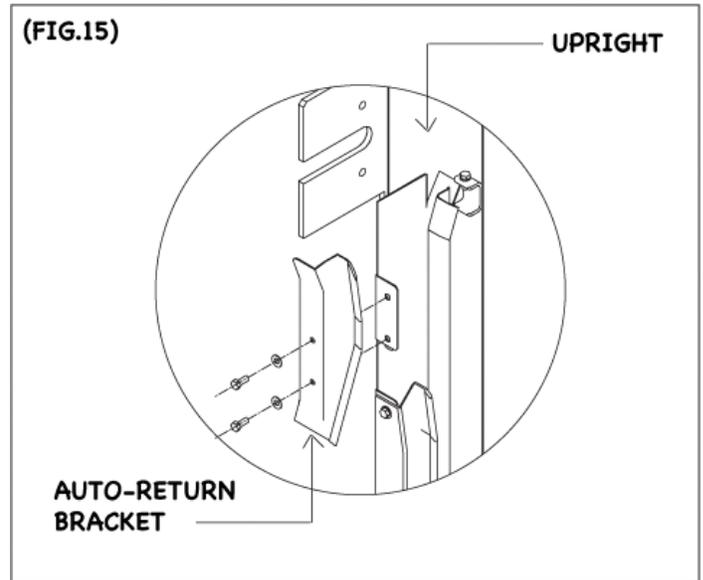
POSITION UNIT ONTO SHAFT AND SECURE IN POSITION USING HARDWARE FROM FIG.13

**STEP 6. (continued)****Install Motor Continued:**

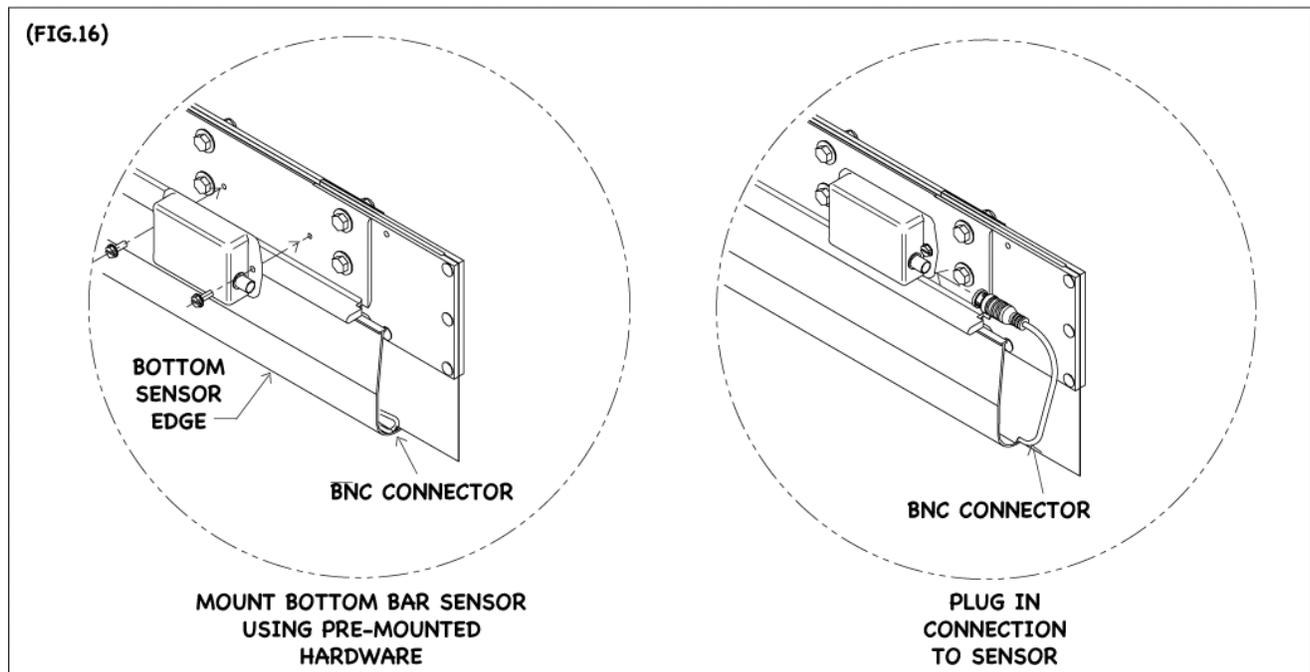
e.) Cut roll retaining vinyl straps from Fabric Roll.

f.) Guide Fabric Roll into Upright Channels by hand.

- If installing 8500LC & 8500 Platinum high speed doors; please ensure Auto-Return brackets are re-installed on Uprights before fabric roll is fed into upright channels. (See FIG.15)

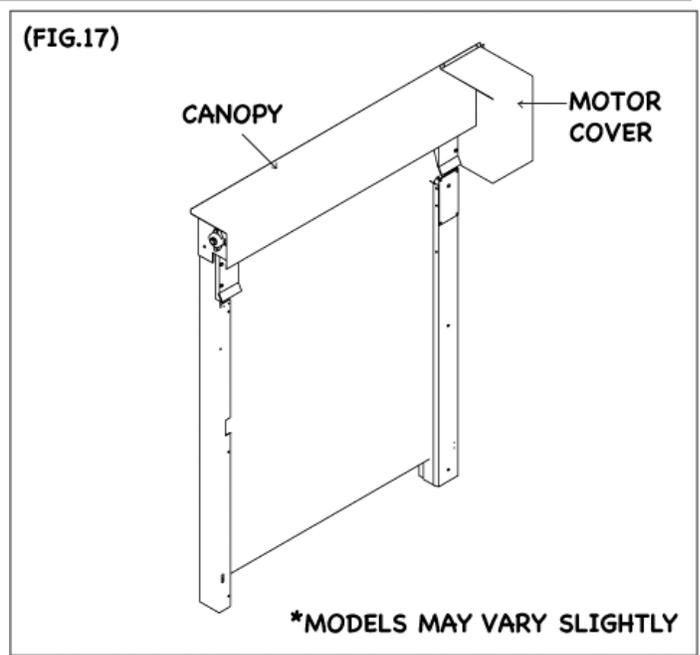
**STEP 7.****Install Bottom Bar Controller to Bottom Bar:**

- Attach using hardware pre-mounted on the Bottom Bar.
- This device is supplied with all units and is shipped with the Control Panel.
- To attach the Bottom Bar Controller find the 'BNC Connector' wire which is tucked inside of the right side of the bottom bar. (See FIG.16)



**STEP 8.****Cover Uprights & Detail:**

- Place cover over Uprights and secure with hardware provided.
- Clean door vinyl if needed.
- Place company identification stickers on Upright closest to Control Panel.
- Mount the manual Crank Handle for safe storage using wall mount brackets provided (2 pack, Mounting brackets included in Hardware Box).
- Mount Motor Cover and Fabric Canopy. **\*IF ordered**, optional hardware. (See FIG.17)

**STEP 9.****Test Fabric Roll for Proper Travel**

**NOTE:** Test can be done after electrical installation when the power is connected. Use the JOG mode function to test travel.

**a.) Test Fabric Roll**

- Insert Crank Handle into Socket at bottom of Motor (See FIG.11, under Step 6)
- Turn Crank Handle to lower door to floor.
- Turn Crank Handle to raise door to top of door.

**FABRIC SHOULD MOVE FREELY WITHIN THE UPRIGHTS.**

**b.) If installing 8500LC or 8500 Platinum, please ensure Fabric Roll is returning behind Auto-Return bracket.**

**c.) Leave Bottom Bar at top (Door in open position) for Electrical installation.**

# ELECTRICAL INSTALLATION, HOOK UP & SCHEMATICS

## For SuperLogic NT & SuperLogic NT Plus

### IMPORTANT, PLEASE READ PRIOR TO INSTALLING:

READ ALL INSTRUCTIONS AND WORK ORDER BEFORE INSTALLING ELECTRICAL COMPONENTS.

This Electrical Installation Manual provides a step by step method of mounting, installing, linking components, start up, testing and basic programming for your high speed door. We have included schematic drawings for qualified electricians. Please following the order detailed in this installation manual to ensure the highest level of safety and please note the following:

- ELECTRICAL INSTALLATION AND HOOK UP MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- ELECTRICAL INSTALLATION MUST BEIN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ELECTRICAL CODES AND REGULATIONS.
- ALL INSTALLATION HARDWARE AND ELECTRC AL SUPPLIES ARE PROVIDED BY THE CUSTOMER.

### STEP 1.

#### Check Incoming Power:

a.) Make sure customer voltage specifications match Motor and Control Panel voltage specified on Super-Seal packing slip.

b.) Measure incoming voltage:

**USE A TRUE RMS VOLTAGE METER AS SEEN IN <FIG.1>**

All electrical panels are designed to meet pre-detailed clients specifications. Dealers, site managers, architects and/or the individual who has chosen the door specifications should verify the voltage specifications which are running into the building to ensure the electrical panels meet the required voltage.

If you are the electrician installing the electrical components for this high speed door and find that the control panel does not meet the following voltage Specifications - **DO NOT CONTINUE WITH THIS INSTALLATION.** Contact your local dealer to ensure the highest level of safety. If you are unsure who your local dealer is please contact Super-Seal Mfg. Ltd. directly so that we may assist you with this information 1-800-337-3239.



<FIG.1>RMS VOLTAGE METER

c.) Confirm incoming voltage falls within one of following acceptable voltage ranges:

Door Voltage	Acceptable Incoming Voltage Range (ranges within 10% are acceptable)	<b>PLEASE NOTE:</b> If incoming voltage does not fall within an acceptable range – adjust your step down transformer. If adjustments are not possible, Super-Seal Mfg. Ltd. recommends installing the appropriate matching transformer.
208, 220, 230, 240	208- 240	
460	460 - 480	
575	575 - 590	

**NOTE:** SUPER-SEAL MFG. LTD. IS NOT RESPONSIBLE FOR DAMAGE TO THE SUPPLIED EQUIPMENT RESULTING FROM ANY OF THE FOLLOWING: POWER SURGES, POWER STATION INTERFERENCE, ELECTRICAL NOISE, POWER SPIKES/LOWS FROM THE USE OF HEAVY MACHINERY, POWER LINE FLUCTUATIONS, LIGHTNING OR IMPROPER INSTALLATION.

**STEP 2.**

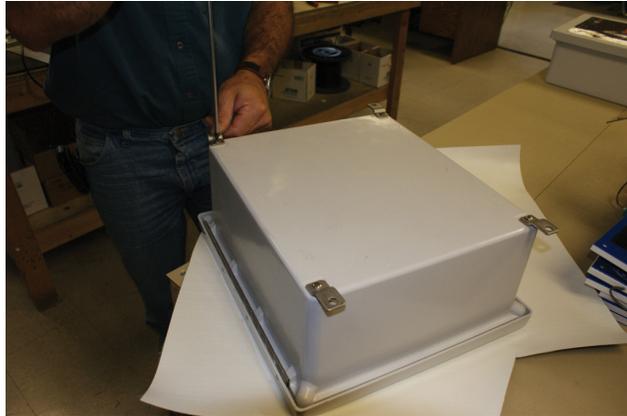
**Mount Electrical Components for future connecting:**

**a.) Review the enclosed wiring schematics** illustrated where/how all electrical components are connected. (See *Wiring/Motor Diagram – LABELED D* attached for full details)

**b.) Mount Control Panel.**



*Control panel includes 4 mounting brackets and bracket screws*



*Mounting screws \*not included\**



*Mount onto wall, using appropriate mounting screws and as per **Electrical Code.***

**c.) Mount Push Button Station.**



*Open the push button unit in order to mount onto wall.*



*Mount black case onto wall using appropriate mounting screws for wall conditions*



*Re-assemble the push button cover after completing wiring from enclosure.*



*Push button should be mounted as seen here (green button on top, red on bottom).*

## STEP 2. (Continued)

### Mount Electrical Components for future connecting:

#### d.) Mount additional Reversing or Activation devices, if ordered.

The following are possible additional safety or activation devices that need to be mounted in order to start up and test their functionality:

- Reflective Photo Eye or Through Beam (Receiver/Transmitter)
- Radio Receiver
- Pull Cord Switch
- Floor Loop Detector
- Motion Detector

*(For full electrical schematics on all of the above devices please see Activation Devices Diagram)*

## STEP 3

### Install a Fused Disconnect Switch:



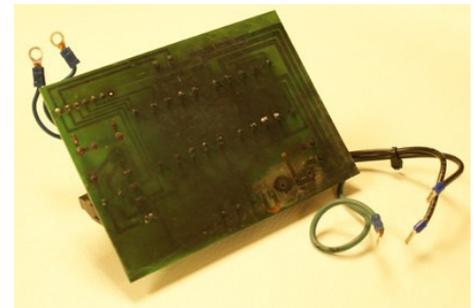
*Types of fuse boxes*



*Example of an open fuse disconnect switch, others may differ.  
General Fuse Formula  
(Motor  $\underline{FLA}$  x 1.75)*

A Fuse Disconnect is **REQUIRED** in all high speed door installation. The Fuse Disconnect must be positioned between the Main Power Line and the supplied Control Panel for the high speed door.

To avoid power surges and low voltage start-ups or any possible dangers that arise from such a situation, Super-Seal Mfg. Ltd. strongly recommends following the fuse Type **CC CLASS (TIME DELAY)**.



*Burned board due to no fuse protection*

## STEP 4

### Connect Main Electrical Components:

#### **IMPORTANT TIPS TO NOTE BEFORE CONNECTING MAIN ELECTRICAL COMPONENTS:**

- DO NOT RUN DOOR CONTROL WIRING IN THE SAME CONDUIT WITH POWER AND/OR MOTOR WIRING.
- UNAUTHORIZED CHANGES TO WIRING WILL VOID THE WARRANTY ON THE DOOR. SUPER-SEAL MFG. LTD. IS NOT LIABLE FOR PRODUCT FAILURE, PROPERTY DAMAGE OR PERSONAL INJURY RESULTING FROM SUCH UNAUTHORIZED CHANGES.

### Connect Main Electrical Components to Control Panel:

#### **What documents are needed:**

- Wiring/Motor Diagram – “Incoming Power and Motor/Brake Wiring”*
- Activation Devices and Reversing Devices Diagrams*

**Next**, to determine what speed of motor you are connecting please match Control Panel board with one of the following diagram schematics:

- Single Speed (32"/sec) Diagram – 230V, 460V & 575V*
- Dual Speed (50"/sec) – 208V to 460V*
- Dual Speed/Large Box (50"/sec) – 575V*

#### **a.) Connect the Motor and Brake wires to Control Panel**

- Connect Ground, M1, M2, M3, B1 and B2 in Motor Junction Box to corresponding Ground, M1, M2, M3, B1 and B2 in Control Panel. **See *Wiring/Motor Diagram – “Incoming Power and Motor/Brake Wiring”***.

#### **b.) Connect Encoder Wiring to Control Panel**

- Connect coloured wires to Control Panel Terminal Block as shown in ***Wiring/Motor Diagram – “Door and User Control Wiring”***. Position Encoder Wiring away from Motor Wiring and Incoming Power to avoid line interference.

#### **c.) Connect Photo Eye Wiring to Control Panel**

- Connect coloured wires to Control Panel Terminal Block as shown in ***Activation Devices and Reversing Devices Diagrams***.

#### **d.) Connect Push Button Station to Control Panel**

- Connect Push button station to Control Panel Terminal Block as shown in ***Activation Devices and Reversing Devices Diagrams***.

**Note:** A Single Push Button Station with E-Stop, Reversing Photo Eye and Wireless Reversing Edge are included as standard devices of all Super-Seal Mfg. Ltd high speed doors.

#### **e.) Connect optional additions for reversing and/or activation to Control Panel**

- Connect devices to Control Panel Terminal Block as shown in ***Activation Devices and Reversing Devices Diagrams***.

**ALL AUXILLIARY DEVICES AVAILABLE FROM SUPER-SEAL MFG. LTD (INCLUDING STANDARD DEVICES):**

DEVICE TYPE	DEVICE NAME	INSTALLATION & SPECIFICATION	RECOMMENDATIONS
<u>ACTIVATION</u>	<b>Green Mushroom Push Button Station</b> (STANDARD x1)	Nema 4 Enclosure. Wire not included. Please follow the local electrical standards for wiring this device to the Control Panel.	One device comes standard with every order. Two or three push button stations are optional if the site would benefit from having push button stations on either side/multiple sides of the doorway.
	<b>Floor Loop Detector (Socket)</b>	Wire not supplied. Refer to Manufacturer`s Installation Guide for full details on installation and specifications.	Evaluate traffic flow when setting door open and close limits.
	<b>Pull Cord (Switch)</b>	25`, ¼" Poly Rope (Yellow) comes with unit	Excellent option for forklift traffic areas.
	<b>Photo Eye (Receiver/Transmitter)</b> <u>Reflective Photo Eye is STANDARD x1.</u> Includes Mounting Bracket	Refer to Manufacturer`s Installation Guide for full details on installation and specifications.	Additional protection may be required in harsh environments.
	<b>Motion Detector</b> Includes Mounting Bracket		Mount in front of door for optional detection – Not behind or directly above top bar.
	<b>Radio Control (Receiver)</b>		Excellent option for forklift traffic areas.
<u>REVERSING</u>	<b>Photo Eye (Receiver/Transmitter)</b> Includes Mounting Bracket	Refer to Manufacturer`s Installation Guide for full details on installation and specifications.	Additional protection may be required in harsh environments.
	<b>Floor Loop Detector (Socket)</b>		Evaluate traffic flow when setting door open and close limits.
	<b>Presence Detector</b> Includes Mounting Bracket, usually installed by Door Install Technicians		Unit is located at the base of the bottom bar.
<u>COMMUNICATION</u>	<b>Warning Light</b>	Refer to Manufacturer`s Installation Guide for full details on installation and specifications.	120 VAC Requires Separate Power
	<b>Horn</b>		120 VAC Requires Separate Power
	<b>Traffic Light</b>		24VAC
	<b>LED Dock Light</b>		

**NOTE:**

- Mounting Hardware and wiring are not supplied by Super-Seal Mfg. Ltd. unless otherwise specified.
- Confirm conditions in which devices are being mounted onto, use appropriate fasteners for specific wall surface.
- Wiring specifications tend to differ based on local electrical codes, please follow local electrical standards at all times.

# **STARTUP AND FINAL ADJUSTMENTS**

## **FOR ELECTRICIANS & INSTALLERS for**

### **Super-Seal Mfg. Ltd. SuperLogic NT**

### **& SuperLogic NT Plus**

### **(High Speed Roll-Up Doors)**

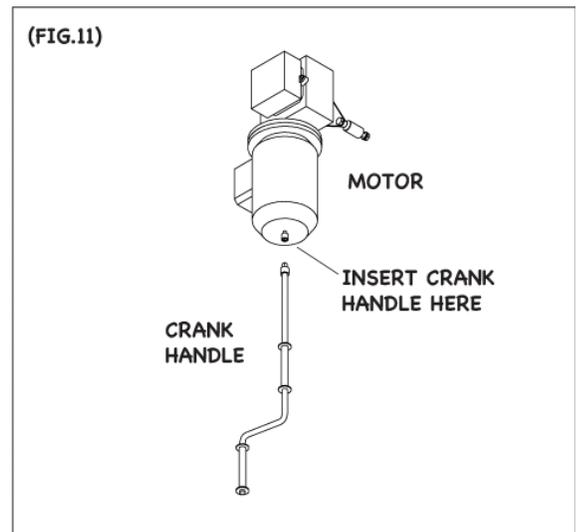
## **IMPORTANT**

MAKE SURE ALL ELECTRICAL CONNECTIONS HAVE BEEN MADE. BOTH ELECTRICIAN AND DOOR INSTALLERS SHOULD BE PRESENT.

### **PREPARE FOR START UP**

#### **F.1 a) With the POWER OFF**

- Manually move door 2 to 3 feet below door opening.  
TO DO THIS:
  - Use **Service Jog Mode** to turn Fabric Roll (**see instr. c**)
  - Use Manual Crank Handle to turn Fabric Roll (See FIG.11)
- Press in RED EMERGENCY STOP.
- Turn on Disconnect switch.



#### **b) The Display will indicate:**

- The Display on the "SuperLogic 3" Controller will read as follows.  
 (Figure F2). First the display will show Company Logo and Type of Controller for two seconds.

#### **Then the display will show:**

- STATUS: Stand By
- Release E-Stop

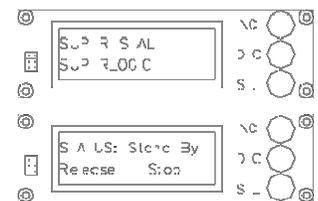


FIG. F2

#### **c) Go to SERVICE JOG MODE:**

##### TO DO THIS:

- Press **SEL** button until `SERVICE JOG MODE` mode is displayed.
- Press **INC** button, if door opens the motor is wired correctly.  
 → **GO TO STEP 2**
- **IF DOOR CLOSSES**, immediately release the `INC` button,
  - WITH POWER OFF, reverse motor direction by Interchanging M1 and M3 wires connected to the Terminal blocks located in the control panel.
  - GO TO BEGINNING OF STEP F1.c

**SET OPEN and CLOSE LIMITS****F.2 a) Set OPEN and CLOSE limits**

- Move door to correct open position in door opening.

TO DO THIS:

- The bottom edge of the door should be at the opening height.
- Put the door in `SERVICE JOG MODE`

TO DO THIS:

- Press `INC` or `DEC` button to put door in the open position.

**b) Open Encoder box cover**

- Set the `OPEN LIMIT` by pressing open button.
- The `OPEN` LED will light up in Encoder box.

**c) Move door to correct closed position**TO DO THIS:

- Press the `DEC` button to put door in the closed position.
- Position the door 1 inch above the floor

**d) Set `CLOSED LIMIT`**

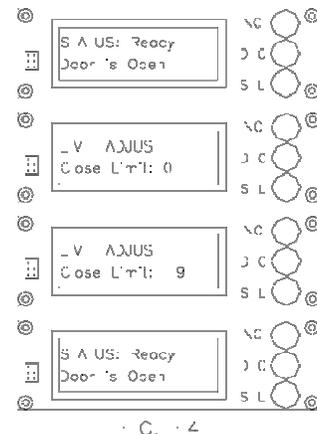
- Set the `CLOSED LIMIT` by pressing close button.
- The `CLOSED` LED will light up in Encoder box.

**e) Test Limits set on door.**

**• NOTE:** To reset Encoder Limits press `OPEN` and `CLOSE` buttons at the same time and release at the same time, then follow STEP F.2

**ADJUST FOR `CLOSE` POSITION (FINE ADJUSTMENT)****F.3 In some cases the `CLOSE` position requires adjusting due to the speed and weight of the door and the material/fabric used for the high speed door.****a) Open the Control Panel door****b) Adjust `CLOSING LIMIT` using the display (See FIG.4)**TO DO THIS:

- Press the `SEL` button twice
- Press the `INC` button to Raise (+) Bottom Bar off the floor
- Press the `DEC` button to Lower (-) Bottom Bar to the floor
- The maximum adjustment to +9/-5
- To EXIT, press `SEL` several times until `READY STATUS` is displayed on Control Panel screen.**

**c) Close Control Panel door****d) Test door for proper `CLOSING LIMIT` function.**

**• NOTE:** IF THE FLOOR IS NOT LEVEL, YOU MAY REQUIRE ADDITIONAL MATERIAL ON THE BOTTOM BAR. PLEASE CONTACT YOUR LOCAL DEALER AND/OR SUPER-SEAL MFG. LTD. **BY CALLING TOLL FREE 1-800-337-3239** TO ORDER ADDITIONAL MATERIAL.

**TO SET AND/OR ADJUST CLOSING TIMER \*IF REQUIRED**

- F.4 Setting and/or Adjusting the `CLOSING TIMER` is ideal for cases where the door will be used by motorized vehicles and/or extreme temperatures where energy saving is beneficial. It is not mandatory to set the `CLOSING TIMER` however, it is ideal to have the option.**

**FUNCTION:** The `CLOSING TIMER` starts after all activation and reversing devices are cleared (this includes photo eye(s), floor loop(s), motion detector(s), etc.)

**a) To Set and/or Adjust `CLOSING TIMER`**

- Open the Control Panel door
- Set and/or Adjust `CLOSING TIMER` (See FIG.3)

TO DO THIS:

→ `CLOSING TIMER` is usually on a default setting of `00` (zero seconds).

→ To adjust this default setting:

- Press `SEL` button once.
  - The `TIMER SETUP` will appear on the Control Panel display.
  - Pressing `INC` button until desired closing time is displayed (in seconds).
  - A closing time can be set at any time (in seconds) from `01` seconds to `99` seconds.
  - **To EXIT, press `SEL` several times until `READY STATUS` is displayed on Control Panel screen.**
- Close Control Panel door
  - Test door for proper `CLOSING TIMER` function.

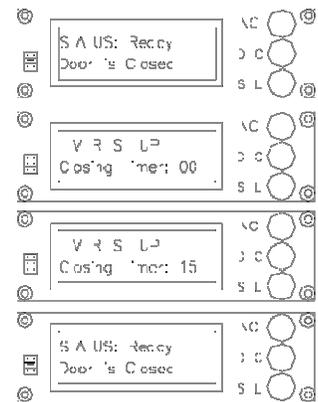


FIG. F3

**TEST STANDARD REVERSING DEVICES**

- F.5 Move door to correct open position in door opening.**

**a) TEST THRESHOLD PHOTO EYE**TO DO THIS:

- Activate door
- Trigger Photo Eye while door is closing
- Door should reverse and go up

**b) TEST BOTTOM BAR `SUPEREDGE`**TO DO THIS:

- Activate door
- Bump leading edge of Bottom Bar while door is closing.
- Door should reverse and go up

**c) TEST EMERGENCY STOP**TO DO THIS:

- Activate door
- Push in RED EMERGENCY STOP button on Push Button
- Door should stop immediately
- Twist RED EMERGENCY STOP (mushroom) button clockwise to reset
- Activate door
- Door should open

**TEST ACTIVATION DEVICES****F.6 Move door to fully closed position before starting any activation device tests.****a) TEST EVERY ACTIVATION DEVICE**TO DO THIS:

→ Please see the `Operations Manual, Steps OP.5 to OP.11 for specific activation devices installed on this particular unit.

**• IMPORTANT NOTES:**

- 1.) **It is the Customer`s responsibility to ensure that appropriate additional activator and reversing devices are installed on the door and are properly tested, thus guaranteeing maximum user safety given the door application and the expected traffic.**
- 2.) All devices should be tested accurately to ensure the utmost safety. Super-Seal Mfg. Ltd. is not responsible for the incorrect installation of any reversing device, please be sure to test each component fully for the safety and security of all users.
- 3.) **• NOTE:** IT IS THE RESPONSIBILITY OF THE DEALER/INSTALLER TO ENSURE A DEALER SERVICE STICKER IS APPLIED ON THE INSIDE OF MOUNTED CONTROL PANEL AND FOR SAFETY REASONS, THE DEALER/INSTALLER MUST ENSURE ELECTRICAL SCHEMATIC DIAGRAMS ARE STORED INSIDE THE CONTROL PANEL AT ALL TIMES.

# **OPERATING & SAFETY INSTRUCTIONS**

for

## **Super-Seal Mfg. Ltd. SuperLogic NT** **& SuperLogic NT Plus (High Speed** **Roll-Up Doors)**

### **SAFETY INSTRUCTIONS**

- OP.1** DO NOT push or pull on the Bottom Bar to Open or Close the door
- Please see Step **OP5** for Standard Operating Instructions.
- OP.2** DO NOT operate a damaged door

### **STANDARD REVERSING FEATURES**

#### **OP.3 Standard Reversing Features:**

- The door has two standard reversing devices:
  - ▶ Threshold Photo Eye.
  - ▶ Bottom Bar "SuperEdge."
- Threshold Photo Eye.
  - ▶ The Photo Eye emits a beam of light across the door opening.
  - ▶ If the Door is closing and the Photo Eye beam is blocked, the door reverses.
  - ▶ If the Door is open and the Photo Eye beam is blocked, the Closing Timer resets.
  - ▶ Make sure the Threshold Photo Eye height is correctly set for the door traffic.
- Bottom Bar "SuperEdge."
  - ▶ The Leading Edge of the Bottom Bar contains a "SuperEdge" sensor.
  - ▶ If the Door is closing and the "SuperEdge" sensor is impacted, the door reverses.

### **RULES FOR SAFE DOOR OPERATION**

#### **OP.4 Rules For Safe Door Operations:**

- (a). **Do not operate the door when impaired by drugs or alcohol.**
- ▶ Drugs and alcohol reduce a person's ability to judge time and distance.
  - ▶ Judging time and distance is important for safe door operation.
- (b). **Do not use a visibly damaged door.**
- ▶ More damage may be done to the door by using it.
  - ▶ Safety devices may be damaged and not working properly.
- (c). **Do not use the door if the safety devices or activators do not work properly.**
- ▶ There may be unseen damage to the door.
  - ▶ There may be unseen damage to the electrical system.
  - ▶ The door may injure people or damage property.
- (d). **Do not stand under door or leave hands or feet in door opening while the door is moving.**
- ▶ **DO NOT** Move through the door opening if the door is closing automatically.

**RULES FOR SAFE DOOR OPERATION (continued)****OP.4 Rules For Safe Door Operations:**

- (e). **Do not operate door with people or objects standing in door opening.**
  - ▶ Door may injure people or damage objects.
- (f). **Do not hang on Bottom Bar while the door is opening or closing.**
  - ▶ The door is designed to bear only its own weight.
  - ▶ The extra weight may damage the Bottom Bar, the Motor Drive Assembly, or the Fabric Roll.
- (g). **Follow the Standard Operating Instructions to properly operate the door.**

**DOOR ACTIVATORS****OP.5 Door Activators:**

- (a). A door activator is a device used to make the door open or open/close.
- (b). The door may have many activators.
- (c). **To STOP DOOR AT ONCE: Push in the red Emergency Stop button.**

PLEASE CHECK THE ACTIVATORS LISTED BELOW THAT APPLY TO THIS DOOR.

**OP.6 PULL CORD****(a). Pull Cord Open / Pull Cord Close**

1. To open the door, pull the Pull Cord.
  - The door will travel to its full open position.
  - Pulling the Pull Cord will not stop or reverse the door while it is opening.
2. Walk or drive through door.
3. To close the door, pull the Pull Cord.
4. To re-open the door while it is closing, pull the Pull Cord.

**(b). Pull Cord Open / Time Delay Close**

1. To open the door, pull the Pull Cord.
  - The door will travel to its full open position.
  - Pulling the Pull Cord will not stop or reverse the door while it is opening.
2. Walk or drive through door.
3. The door will automatically close in a preset amount of time.
  - Pulling the Pull Cord while the door is open will reset the Closing Timer.
  - Crossing the Threshold Photo Eye safety device will also reset the Closing Timer.
  - The Closing Timer should be set to allow people and machinery to safely move through the door. To adjust the Closing Timer, refer to Startup/Final Adjustment Instruction F8, Set or Adjust Closing Timer.

**DOOR ACTIVATORS (continued)****OP.7 FLOOR LOOP****(a). Floor Loop Open / Time Delay Close**

1. To open the door, push or drive a metallic cart or vehicle over the Floor Loop.
  - The door will travel to its full open position.
  - Pushing or driving over the Floor Loop will not stop or reverse the door while it is opening.
2. Walk or drive through door.
3. The door will automatically close in a preset amount of time.
  - Pushing or driving over the Floor Loop while the door is open will reset the Closing Timer.
  - To adjust Closing Timer, refer Startup/Final Adjustment Instruction F8, Set or Adjust Closing Timer.

**OP.8 PHOTO EYE****(a). Photo Eye Open / Time Delay Close**

1. To open the door, walk or drive through the Photo Eye beam.
  - The door will travel to its full open position.
  - Walking or driving through the Photo Eye Beam will not stop or reverse the door while it is opening.
2. Walk or drive through door.
3. The door will automatically close in a preset amount of time.
  - Walking or driving through the Photo Eye beam while the door is open will reset the Closing Timer.
  - To adjust Closing Timer, refer Startup/Final Adjustment Instruction F8, Set or Adjust Closing Timer.

**OP.9 MOTION DETECTOR****(a). Motion Detector Open / Time Delay Close**

1. A Motion Detector detects movement around the door opening.
2. To open the door, approach the door.
  - The door will travel to its full open position.
3. Walk or drive through door.
4. The door will automatically close in a preset amount of time.
  - Approaching the Motion Detector while the door is open will reset the Closing Timer.
  - To adjust Closing Timer, refer to Startup/Final Adjustment Instruction F8, Set or Adjust Closing Timer.

**OP.10 REMOTE PUSH BUTTON****(a). Remote Push Button Open / Remote Push Button Close**

1. To open the door, push the DOOR ACTIVATION button.
  - The door will travel to its full open position.
  - Pushing the DOOR ACTIVATION button will not stop or reverse the door while it is opening.
2. Walk or drive through door.
3. To close the door, push the DOOR ACTIVATION button.

To re-open the door while it is closing, push the DOOR ACTIVATION button.

**(b). Remote Push Button Open / Time Delay Close**

1. To open the door, push the DOOR ACTIVATION button.
2. The door will travel to its full open position.
  - Pushing the DOOR ACTIVATION button will not stop or reverse the door while it is opening.
3. Walk or drive through door.
4. The door will automatically close in a preset amount of time.
  - Pushing the DOOR ACTIVATION button while the door is open will reset the Closing Timer.
  - The Closing Timer has been set to allow people and machinery to safely move through the door. To adjust Closing Timer, refer to Startup/Final Adjustment Instruction F8, Set or Adjust Closing Timer.

**OP.11 RADIO CONTROL****(a). Radio Control Open / Radio Control Close**

1. To open the door, push the button on the Radio Control Transmitter.
  - The door will travel to its full open position.
  - Pushing the button on the Radio Control Transmitter will not stop or reverse the door while it is opening.
2. Walk or drive through door.
3. To close the door, push the button on the Radio Control transmitter.

**(b). Radio Control Open / Time Delay Close**

1. To open the door, push the button on the Radio Control Transmitter.
  - The door will travel to its full open position.
  - Pushing the button on the Radio Control Transmitter will not stop or reverse the door while it is opening.
2. Walk or drive through door.
3. The door will automatically close in a preset amount of time.
  - Pushing the button on the Radio Control Transmitter while the door is open will reset the Closing Timer.
  - To adjust Closing Timer, refer Startup/Final Adjustment Instruction F8, Set or Adjust Closing Timer.

# DAILY & PERIODIC MAINTENANCE MANUAL

for

## Super-Seal Mfg. Ltd. SuperLogic NT & SuperLogic NT Plus (High Speed Roll-Up Doors)

A routine maintenance is necessary to ensure the door is functioning correctly, effectively and safely.

Failure to perform the following Daily and Periodic Maintenance will void the warranty.

### STEP 1. Check Door Cycles

#### To Check Door Cycles:

- a) Open the Control Panel Door.
- b) Check DOOR CYCLES using the Display and 3 Buttons provided (FIG M1).
  - Press **SEL** Button several times until CYCLE COUNTER is displayed.
  - To EXIT press **SEL** until the STATUS screen is displayed.
- c) Close the control panel door.



FIG. M1

### STEP 2. Daily Maintenance

#### Procedures for Daily Maintenance:

- a) Test Activators.
  - Make sure all installed activators work properly.
- b) Test standard reversing devices.
  - Threshold Photo Eye.
  - Trigger Photo Eye while door is closing.
  - Door should reverse and go up.
  - Bottom Bar "SuperEdge".
  - Bump leading edge of Bottom Bar while door is closing.
  - Door should reverse and go up.
- c) Check all other reversing devices.
  - All installed reversing devices must work properly.
- d) Check Breakaway Tabs on Bottom Bar.
  - Make sure Breakaway tabs are not cracked or broken.
- e) Check Encoder.
  - Make sure Encoder is working.
  - Check door for physical damage.

### **STEP 3. Periodic Maintenance**

#### **Procedures for Periodic Maintenance:**

Every Six (6) Months or 100,000 Cycles, whichever comes first.

- a) Grease bearings in the Fabric Roll Shaft with general purpose grease BR2+.
- b) Check all fasteners.
  - Fasteners should be tight.
  - Mounting hardware should be secure.
- c) Check all set screws.
- d) Check Encoder.
- e) Check all electrical connections.
  - Check for wear.
  - Wires should not be worn or frayed.
  - All connectors should be tight.
- f) Check Gearbox.
  - Check for leaks around seals.
- g) Repeat Step 2, Daily Maintenance.

# TROUBLESHOOTING TIPS

for

## Super-Seal Mfg. Ltd. SuperLogic NT & SuperLogic NT Plus (High Speed Roll-Up Doors)

**CAUTION! DO NOT ATTEMPT TO WORK INSIDE THE CONTROL PANEL UNLESS YOU ARE A QUALIFIED ELECTRICIAN AND ARE FAMILIAR WITH ELECTRICAL CONTROLS.**

**Super-Seal electrical products may be susceptible to electrical noise and may not function properly without the proper filters installed. Super-Seal does not cover parts or labour to install such devices under warranty.**

**Q: DOOR IS NOT WORKING WHEN ACTIVATED.**

**STEP 1. --FOLLOW THROUGH EACH SECTION TO TROUBLESHOOT ANY PROBLEM**

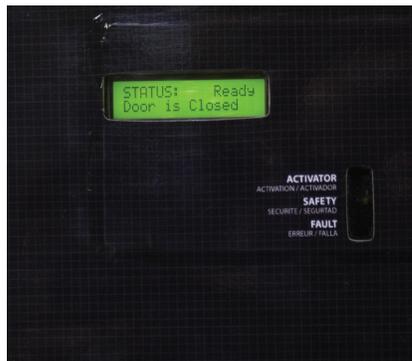
**If the Power is “OFF” in the Control Panel - Check incoming power and fuses.**

**If the Power is “ON” in the Control Panel continue with the steps below:**

<input type="checkbox"/> Every activating device connected to the Control Panel (Input 1) can prevent the door from activating (opening and closing).
<input type="checkbox"/> Every reversing device connected to the Control Panel (Input 4) can prevent the door from activating (closing).
<input type="checkbox"/> In addition, the impact sensor located on the bottom bar (which disables the door from operating completely for safety reasons) if tripped will also prevent the door from operating.

**LCD DISPLAY = Check text readout of “DOOR STATUS”**

1. Check device as described on display (FIG.1). See below for further instructions.



**(FIG.1) THIS IMAGE REPRESENTS A NORMAL STATUS STATE, DOOR IS READY, CLOSED AND NO LED LIGHTS ARE LITE.**

## **\*\*IMPORTANT\*\***

**Before contacting the factory for further assistance please write the SERIAL # down and a description of the issue (What does the display read and are there any LED’s “ON”)**

**Super-Seal Mfg. Ltd. 1-800-337-3239 will be able to assist with troubleshooting this situation.**

## GREEN LED “ON”/ACTIVATOR LED LIGHT

= causes the door to stay open (SEE FIG.2)

1. Check Activation devices for problems.
2. Check Activation Circuit (Input 1) for problems with wiring.



(FIG.2) GREEN LED IS 'ON' WHEN ACTIVATOR DEVICES ARE ACTIVATED OR IF WIRING INPUT PROBLEM

## RED LED “ON”/FAULT LED LIGHT

= causes the door to be inoperable

1. Impact sensor on the bottom bar has been tripped therefore preventing the door from moving open or closed. (typical reason - door has been impacted)
2. "Run Time Error" - is a software safety feature where an error has occurred because the door has not reached an open or closed position within a certain pre-programmed time.  
→ **TO RESOLVE** either of these situations, please turn the main power off to the door, wait 5 seconds and re-apply power.

**If “Run Time Error” continues contact the factory for further assistance; either your local dealer or Super-Seal Mfg. Ltd. 1-800-337-3239 will be able to assist with troubleshooting this situation.**

## YELLOW LED “ON”/SAFETY LED LIGHT

= causes the door to stay open

1. Check Reversing devices for problems.
2. Check Reversing circuit (Input 4) for problems with wiring.

### **If the Door is still not operating**

- **Check the motor for the following:**
  - Wiring in Control Panel and in Motor Junction Box.
  - Motor for physical damage, gear box oil or water damage.
  - That it has not burned out or over heated.



(FIG.3) YELLOW LED LIGHT IS ON WHEN REVERSING DEVICE HAS BEEN ACTIVATED OR TRIPPED

**For additional assistance with troubleshooting please contact the factory for further assistance; either your local dealer or Super-Seal Mfg. Ltd. 1-800-337-3239 will be able to assist with troubleshooting this situation.**

# DEVICES WHICH MAY CAUSE THE DOOR TO MALFUNCTION AND STAY OPEN

<u>REVERSING SENORS (YELLOW LED)</u>	<u>ACTIVATION SENORS (GREEN LED)</u>
<ul style="list-style-type: none"><li>→Photo Eye</li><li>→Floor Loop Detector</li></ul>	<ul style="list-style-type: none"><li>→Photo Eye</li><li>→Push Button Station</li><li>→Pull Cord Switch</li><li>→Radio Receiver with Antenna</li><li>→Floor Loop Detector</li><li>→Motion Detector</li></ul>

## **“HOW TO” TEST EACH DEVICE:**

### **Photo Eye Receiver LED Details** (LOCATED AT THE BOTTOM OF THE UPRIGHT)

THE PHOTOEYE WILL EMIT A BEAM ACROSS TO A REFLECTOR OR A TRANSMITTER UNIT TO THE OTHER UPRIGHT AND RETURN THE SIGNAL. WHEN THE BEAM IS INTERRUPTED WHILE THE DOOR IS CLOSING, IT WILL REVERSE THE DOOR BACK TO THE OPEN POSITION.

For Telemecanique type only: (LED's on the Photo Eye)

- Green LED on all the time (unit working correctly) (SEE FIG.4)
- Yellow and Green LED “ON” (unit is blocked, obstructed or misaligned) (SEE FIG.5)
- Red LED “ON” – there is not enough light returning in reflection to the Photo-Eye.

1. **Check Photo Eye for alignment** - with the green LED on, run an object through the sensor beam, if the Yellow LED turns “ON” the Photo Eye is aligned. If the Yellow LED remains lite after you have removed the obstruction then Photo Eye may be misaligned.
  - Adjust position of Photo Eye (move device slightly side to side or up and down) to test.
    - If the Yellow LED turns “OFF”, then test the Photo Eye once more.
    - If the Yellow LED remains “ON”, then the Photo Eye is misaligned or damaged.



(FIG.4) **NOTE:** GREEN LED is “ON”, ready and active (correctly installed)



(FIG.5) **NOTE:** GREEN and YELLOW LED's are “ON”, an object in way of beam thus correctly tripping the activation or reversing feature.

**A defective Photo Eye may show the correct LED pattern but will not work.**

## **“HOW TO” TEST EACH DEVICE:**

### **Photo Eye Receiver LED Details (CONTINUED)**

(LOCATED AT THE BOTTOM OF THE UPRIGHT)

#### **2. If you have no LED's “ON”**

##### **Check Photo Eye for Damage.**

- Inspect the unit for cracks in the plastic cover or water damage from power washers, etc.
- Check the cable for cuts or damage, from the unit to the control panel.
- Check the wiring.
- Check the (voltage) incoming power to the unit.

**NOTE:** In some cases where high electrical noise is present a relay may need to be installed to enable the Photo Eye to function properly.

---

### **Remote Push Button Station**

(LOCATED ON ONE OR BOTH SIDES OF THE OPENING)

BY PRESSING AND RELEASING THE GREEN BUTTON THE DOOR WILL OPEN, CLOSE OR REVERSE. IT COULD ALSO HAVE A RED MUSHROOM EMERGENCY STOP BUTTON THAT WHEN PRESSED WILL STOP DOOR AND NOT ALLOW THE DOOR TO OPERATE.

#### **1. To test the Green activation button Press & Hold. (SEE FIG.6)**

- LCD display on the control panel should read “DOOR ACTIVATOR”
- the green LED on the control panel will turn “ON” while pressed.

##### **If not,**

- Check the wiring in control panel and in the unit.
- Check the contact in unit (N.O.).



**(FIG.6) ACTIVATING GREEN PUSH BUTTON**

#### **2. To test the Red mushroom E-Stop button Press & Lock.**

- LCD display on the control panel should read “RELEASE E-STOP”
- SEE (FIG.7)

##### **If not,**

- Check the wiring in control panel and in the unit.
- Check the contact in unit (N.C.).
- To release E-Stop button Twist (clockwise)



**(FIG.7) E-STOP = EMERGENCY STOP ACTIVATED**

### **Motion Detector**

(LOCATED ABOVE THE DOOR ON ONE OR BOTH SIDES OF THE OPENING)

BY MOVING TOWARDS THE DOOR THE MOTION DETECTOR WILL OPEN OR REVERSE THE DOOR.

Motion detectors should be installed as seen here, if the motion detector is not installed correctly, the device may not detect properly or cause unnecessary detection.



**1. To test the Motion Detector move towards door.**

- LCD display on the control panel should read “DOOR ACTIVATOR”

**If not,**

- Check the wiring in control panel and in the unit.
- Check the (voltage) incoming power to the unit.
- Check the Motion detector manual for more troubleshooting tips.

**(FIG.8) CORRECT INSTALLATION OF MOTION DETECTOR**

---

### **Floor Loop Detector**

(THE LOOP IS LOCATED IN THE FLOOR ON ONE OR BOTH SIDES OF THE OPENING AND THE DETECTOR IS LOCATED IN THE CONTROL PANEL)

BY MOVING OVER THE LOOP ON THE FLOOR WITH A LARGE METAL OBJECT (E.G. A FORKLIFT) THE LOOP DETECTOR WILL OPEN OR REVERSE THE DOOR.

**1. To test the Floor Loop Detector move a large metal object over the loop (e.g. forklift).**

- LCD display on the Control Panel should read “DOOR ACTIVATOR”

**If not,**

- Check the wiring in Control Panel.
- Check the (voltage) incoming power to the socket in the panel.
- Check the integrity of the loop (e.g. caulking or damage to wiring within the floor loop) in the floor
- Check the Floor Loop detector manual for more troubleshooting tips.

---

### **Pull Cord Station**

(LOCATED ON ONE OR BOTH SIDES OF THE OPENING)

BY PULLING AND RELEASING THE ROPE HANGING FROM THE PULL CORD SWITCH THE DOOR WILL OPEN, CLOSE OR REVERSE.

**1. To test the Pull Cord Switch Pull & Hold rope.**

- LCD display on the Control Panel should read “DOOR ACTIVATOR”
- If door is fully open the green LED on the control panel will turn “ON”

**If not,**

- Check the wiring in Control Panel and in the unit.
- Check the contact in unit (N.O.).

### **Radio Control Transmitter and Receiver**

(RECEIVER LOCATED IN OR AROUND CONTROL PANEL AND TRANSMITTER IS HELD BY THE OPERATOR)

BY PRESSING AND RELEASING THE TRANSMITTER BUTTON THE DOOR WILL OPEN, CLOSE OR REVERSE. THE TRANSMITTER AND RECEIVER HAVE DIP SWITCHES THAT MUST MATCH FOR THE UNIT TO WORK

**1. To test the Transmitter/Receiver, press the button on the Transmitter.**

- LCD display on the Control Panel should read “DOOR ACTIVATOR”
- If door is fully open the green LED on the control panel will turn “ON”

If not,

- Check the Receiver wiring in control panel.
- Change 9 Volt Battery in the transmitter.

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### **Wireless “SUPER-EDGE” Reversing Edge Sensor with Impact Sensor:**

(LOCATED AT THE BOTTOM EDGE OF THE RUBBER ATTACHED TO THE BOTTOM BAR)

THE SUPER-EDGE SENSOR, WHEN BUMPED OR IMPACTED ACROSS A POINT OR SECTION UNDERNEATH THE RUBBER SEAL WHILE THE DOOR IS CLOSING, WILL REVERSE THE DOOR BACK TO THE OPEN POSITION.

**STEP 1:** Check the LCD display for error details, this may assist in determining a cause for this error display:

**→IF:** The Yellow LED light “FLASHES ON” this indicates impact sensor was activated (up and down movement seen here)



**→IF:** The Red LED light is “ON” – this indicates the impact sensor was activated. (hit by lateral/frontal movement seen here)



**If the door comes down and instantly reverses**

**STEP 1:** Check the LCD display for error details, this may assist in determining a cause for this error display:

**If it reads REVERSING EDGE.**

- Inspect the edge for physical damage or water damage from power washers, etc.
- Check the cable for cuts or wear, from the controller to the rubber.
- Check the Bottom bar controller for physical damage or water damage from power washers, etc.