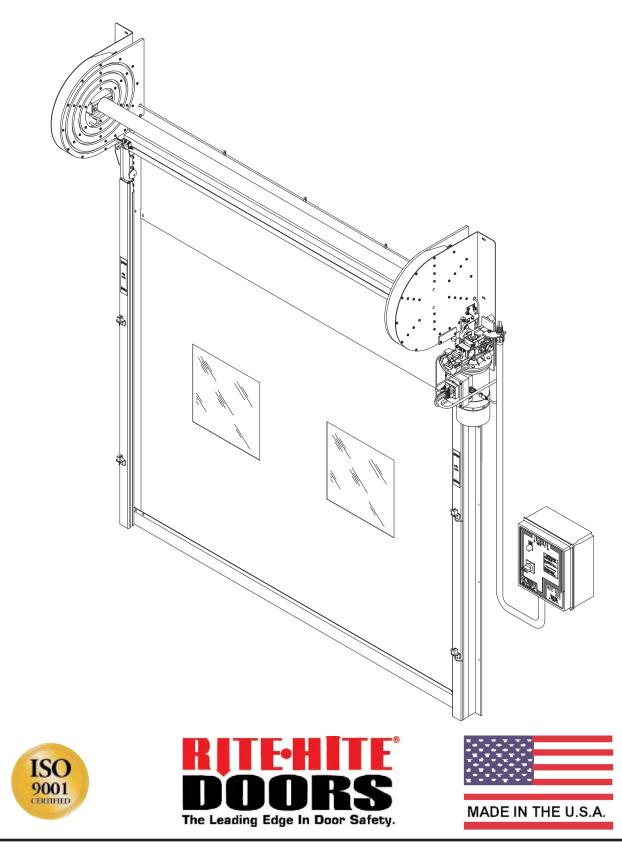
FASTRAX[™] HIGH PERFORMANCE MODULAR DOOR



This Manual Covers All Doors Shipped to Date with exception of drive system changed on (8/10/09).

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NOTICE TO USER

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

Thank you for purchasing the FasTrax[®] door from RITE-HITE DOORS, INC. The TRAX door is a unique fabric door that can be transformed to fit most opening configurations while helping to keep different atmospheres separate.

This manual should be thoroughly read and understood before beginning the installation, operation or servicing of this door. This owners manual MUST be stored near the door. Complete final checklist prior to leaving site. Refer to partslist manual for exploded views and part numbers.

RITE-HITE DOORS, INC. reserves the right to modify the electrical and architectural drawings in this manual as well as the actual parts used on this product are subject to manufacturing changes and may be different than shown in this manual. Due to unique circumstances with varying requirements, separate prints may be included with the unit.

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. The serial # for your door is on a label located on the side of the control box and side track, Figure 28, Page 12.

Your local **RITE-HITE** DOORS, INC. Representative provides the Planned Maintenance Program (P.M.P.) which can be fitted to your specific operation. If any procedures for the installation, operation or maintenance of the FasTrax have been left out of this manual, are not complete or have suggestions, contact RITE-HITE DOORS, INC. Technical Support at 1-563-589-2722.

RITE-HITE DOORS, INC. are covered by one or more of the following U.S. patents, including patents applied for, pending, or issued: 5,025,846, 5,143,137, 5,203,175, 5,329,781, 5,353,859, 5,392,836, 5,450,890, 5,542,463, 5,579,820, 5,601,134, 5,638,883, 5,655,591, 5,730,197, 5,743,317, 5,794,678, 5,887,385, 5,915,448, 5,944,086, 5,957,187, 6,042,158, 6,089,305, 6,098,695, 6,145,571, 6,148,897, 6,192,960, 6,321,822, 6,325,195, 6,330,763, 6,352,097, 6,360,487, 6,574,832, 6,598,648, 6,612,357, 6,615,898, 6,659,158

SPECIAL FEATURES

- i-COMM™ Universal Controller
- Heavy-Duty Industrial Materials
- No Springs, Pulleys or Weights - Thermal Air™ System
- Soft-Edge™ Technology
- Virtual Vision
- Same Platform, with Flexible "You Build It" Track Design
- Adjustable Speeds
- DuraMax Curtain w/Auto Re-feed™
- InsulMax Curtain w/Auto Re-feed™
- High Pressure Capability
- I-Zone™ Area Detection System
- Powder Coated Materials

RECOMMENDED SERVICE PARTS

| Bumper, Rubber, Motor | 15250081 (2) |
|-------------------------------|--------------|
| Fuse, 1 Amp, 250V, Time Delay | 51000002 (2) |
| Fuse, 2 Amp, 250V, Time Delay | 51000005 (2) |
| Kit, Drive Sphere, Qty 10 | 53700561 (2) |
| Closed Limit Switch | 51950075 (1) |
| Open Limit Switch | 51950076 (1) |
| Module - Electrical | 51950073 (1) |
| Heater, 1000W, 120V (FR only) | 52050018 (1) |
| Photoeye Receiver | 53700703 (1) |
| Photoeye Source | 53700702 (1) |
| Limit Switch Magnet | 55050023 (2) |
| Sensor, Thermal (FR only) | 68900005 (1) |

INSTALLATION TOOLS REQUIRED

- 25' [7620] Tape measure Hydro level
- 6' [1829] Carpenters level Ladder (6'-8') [1829 2438]
- Scissors Lift
- "C" Clamps
- Drill (cordless or electric) Drill Bits
- Phillips Bit for Drill - Snap Ring Tool
- Wire Strippers
- 5/16" [10] Nut Driver

- Plumb Bob

- Hammer Drill

- Small Straight/Phillips Screwdrivers
- Allen Wrench Set (1/8" [3] & 5/32" [4])
- 7/16" [11],1/2" [13],9/16" [14], 3/4" [19] Socket/wrench

WARRANTY

- Straight Edge

RITE-HITE DOORS, INC. warrants that its FasTrax door will operate or perform in conformance with the published specifications when subjected to normal, proper and intended usage and be free from defects in material and workmanship for a period of one (1) year from the date of shipment.

RITE-HITE DOORS, INC. warrants that the FasTrax 60 and 100 mil curtain fabric only, shall be free from material defects for a period of five (5) years. The curtain fabric warranty covers material failure under normal wear conditions; it does not cover 27oz material, labor, vision wear, edging or damage incurred from abuse, misuse, impact, accidents or disaster. Vision, fuses, bulbs, seals, power failures or electrical power surges are items, that are not considered to be warranty. All claims for breach of this warranty must be made within thirty (30) days after the defect is or can, with reasonable care, be discovered to be entitled to the benefits of this warranty, the products must have been properly installed, maintained, operated within their rated capacities, and not otherwise abused. Periodic lubrication and adjustment is the sole responsibility of the owner.

This warranty is **RITE-HITE** DOORS, INC. exclusive warranty. **RITE-HITE** DOORS, INC. expressly disclaims all implied warranties including the implied warranties of merchantability and fitness. Non-standard **RITE-HITE** DOORS, INC, warranties, if any, must be specified by **RITE-HITE** DOORS, INC. in writing.

In the event of any defects covered by this warranty, RITE-HITE DOORS, INC. will remedy such defects dovered by this warranty, RTE-ATTE DOORS, INC. will remedy such defects by repairing or replacing any defective equipment or parts, bearing all of the costs for parts, labor, and transportation based on the warranty policy. This shall be the exclusive remedy for all claims whether based on contract negligence or strict liability. Neither RITE-HITE DOORS, INC. any other manufacturer whose products are the subject of this transaction, nor any RITE-HITE DOORS, INC. representative, shall in any event he liable for any loss cruce of any equipment or indicated or uansaction, nor any KITE-HITE DOORS, INC. representative, shall in any event be liable for any loss or use of any equipment or incidental or consequential damages of any kind whether for breach of warranty, negligence, or strict liability. The application of a manufacturer's specifications to a particular job is the responsibility of the purchaser. RITE-HITE DOORS, INC. sole obligation with respect to its product shall be to repair or (at our own discretion) replace the product.

RITE-HITE DOORS INC

8900 N. Arbon Drive P.O. Box 245020 Milwaukee, Wisconsin 53224-9520 Sales: 414-355-2600 Toll Free: 800-456-0600 Aftermarket: 563-589-2781 Service: 563-589-2722 Service Fax: 563-589-2737 **Representatives in All Major Cities** www.ritehite.com

POLY LUMBER INSTALLATION



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

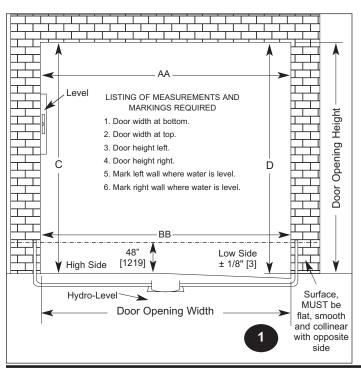
DANGER !!!

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.

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 required work permits.
- 3. Inspect the site to make sure that there are no overhead obstructions (sprinkler pipes, HVAC systems, electrical supply lines, etc.) that might interfere with the installation.
- 4. Detour material handling equipment during the installation.
- 5. Make sure that the electrician is ready to bring the correct electrical power supply to the door control box.
- 6. Make sure that the electrical power can be shut off without interfering with other plant operations.
- 7. Move the door crate as close to the opening as possible.
- 8. Measure the overall width of the door opening near the floor and the header (Dimensions A and B), and the height of the door opening at the left and right-hand sides (Dimensions C and D), *Figure 1.*



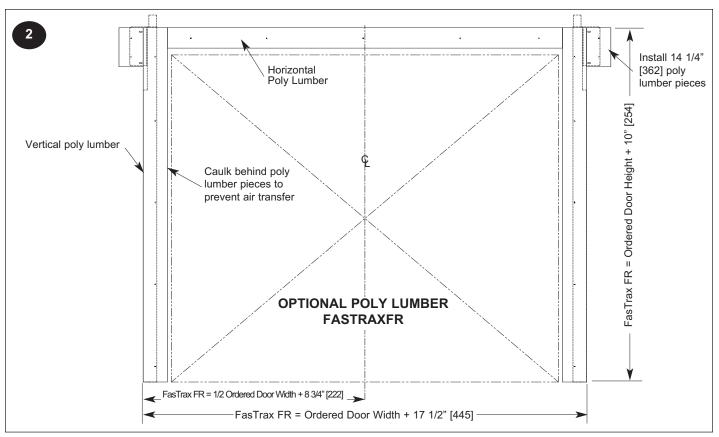
- 9. Measure the door opening width and place a mark at the center on the floor.
- 10. Using a 6' [1829] carpenter's level, verify that the door jambs and header are plumb and perpendicular.
- These dimensions should be within ± 1/2" [13] of the dimensions listed on the Serial Number label. If the measurements do not agree, STOP! Contact your RITE-HITE DOORS, INC. representative.
- 12. Using a hydro level, determine if the floor is level, *Figure 1.* If the floor is not level to within 1/8" [3], mark the wall where the level point is indicated. The measurement between the level mark and the floor is the amount of shimming that needs to be done under the track that will be located on the "Low Side" (greatest measurement) of the door opening.
- 13. Install optional equipment after verifying door operation.
- NOTE: Electrical prints included in the parts or control box, supersede any prints included in this owners manual on Pages 28-35. Always check for electrical prints.

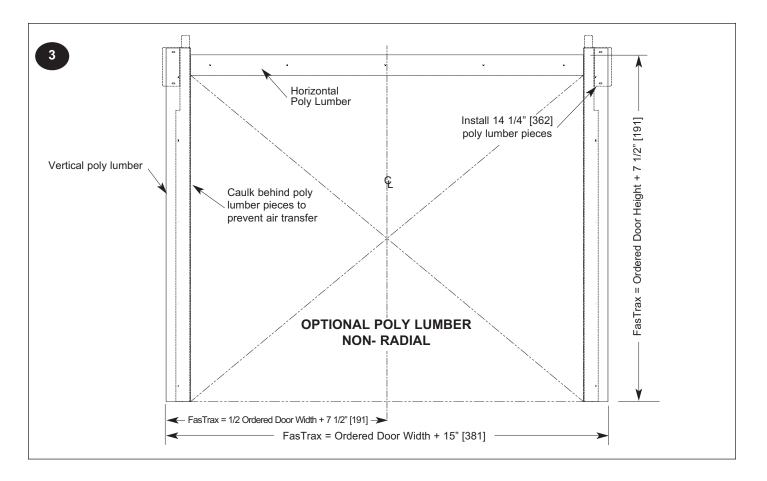
IMPORTANT!!!

It is imperative that the tracks be mounted at the proper width. If mounted too wide, excess wear is placed on the drive spheres. If too narrow, the curtain may appear wavy or crease in the center.

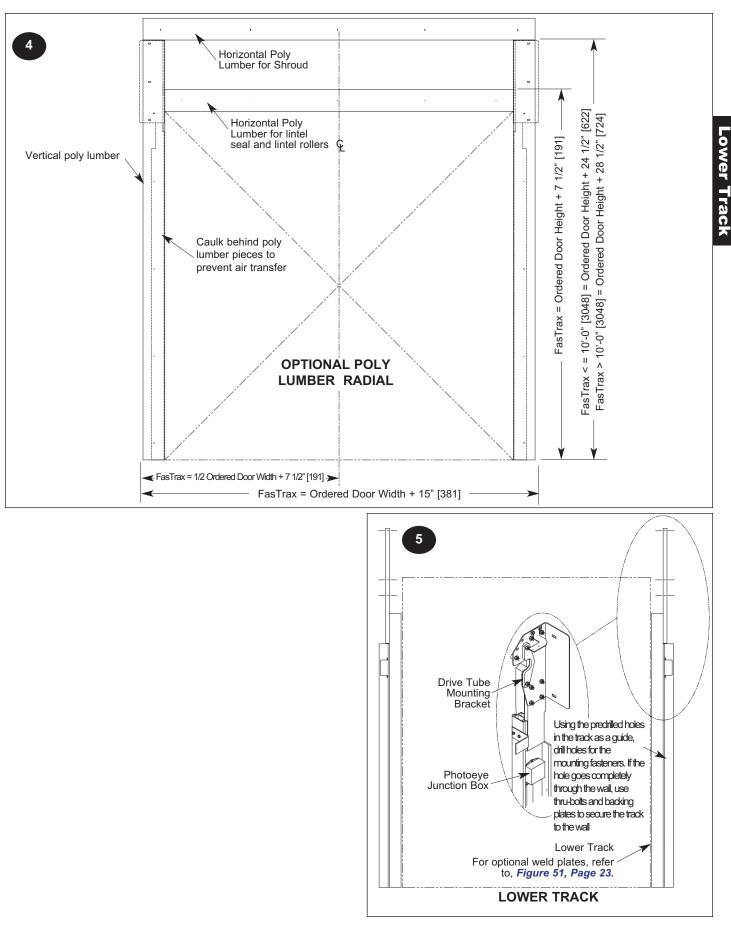
| | RECOMMENDED MOUNTING FASTENERS |
|----------------|--|
| Wall | Fastener |
| Wood | Lower Track - 3/8" [10] thru-bolt at top, middle, and bottom. 5/16" x 1-1/2" [8x38] lag screws at all other fastener positions. Upper Track - 5/16" x 1-1/2" [8x38] lag screws at all positions. |
| Wood /Steel | Lower Track - 3/8" [10] thru-bolt at top, middle, and bottom. 5/16" x 1-1/2" [8x38] lag screws at all other fastener positions. Upper Track - 5/16" x 1-1/2" [8x38] lag screws at all positions. |
| Wood | Lower Track - 3/8" [10] thru-bolt or 3/8" [10] masonry anchor |
| /Masonry | positions.at top, middle, and bottom. 5/16" x 1-1/2" [8x38] lag screws at all other fastener positions. |
| Steel | 3/8" [10] thru-bolt. 3/8" [10] drill and tap (material must be 5/16" [8] min.). 3/8" [10] drive self tap/drill screws (1/4" - 14) [6]. Weld, lower track is aluminum, only weld if steel jamb option is included or provided by others. |

POLY LUMBER INSTALLATION

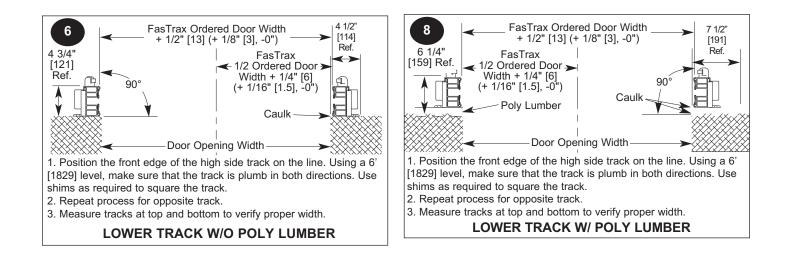


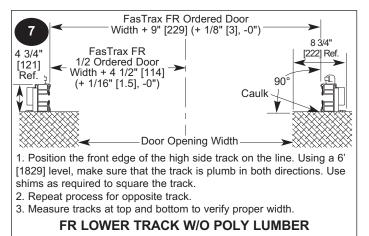


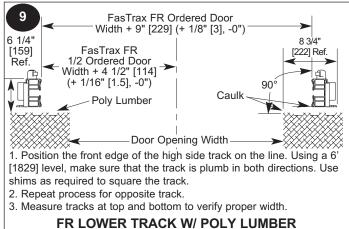
POLY LUMBER INSTALLATION

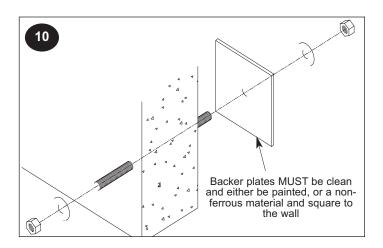


LOWER TRACK INSTALLATION

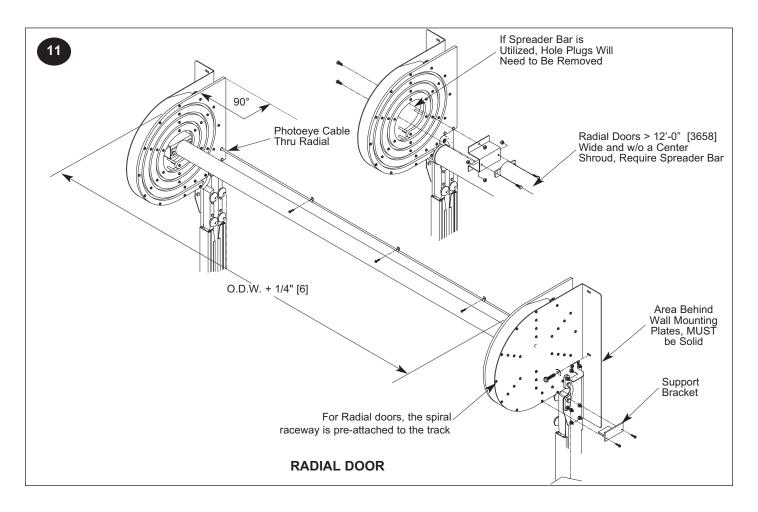




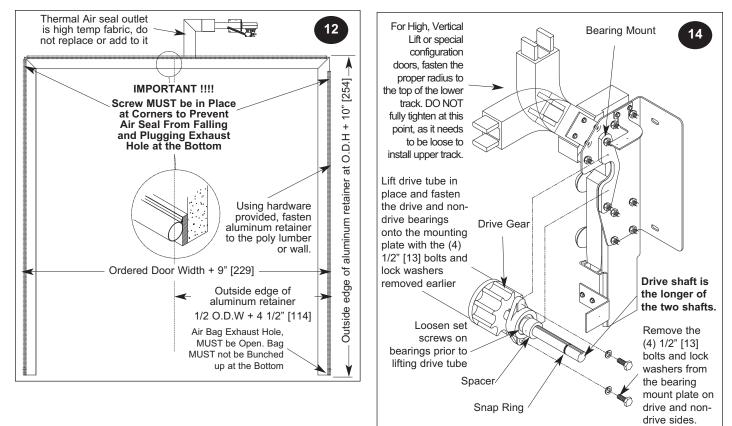


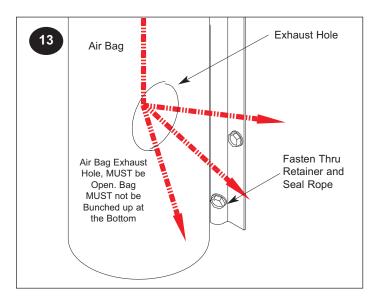


SPREADER BAR INSTALLATION



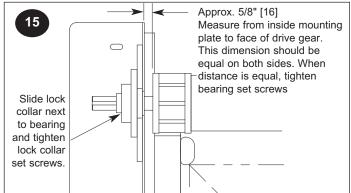
THERMAL AIR SEAL / DRIVE TUBE INSTALLATION





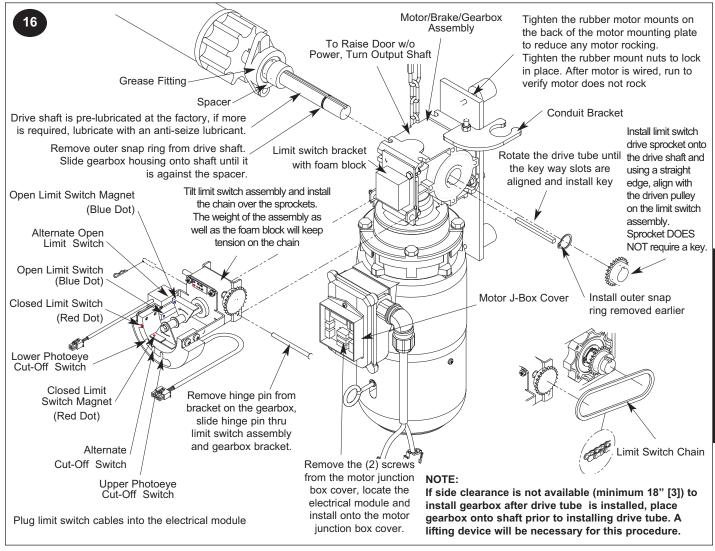
IMPORTANT!!!

By centering the drive tube, the drive gear should be centered directly over lower track drive sphere groove. Failure to do this may result in drive sphere wear or excess noise.

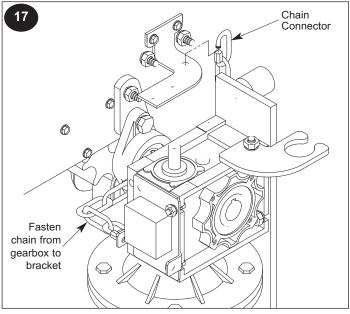


lotor / Limit Switch

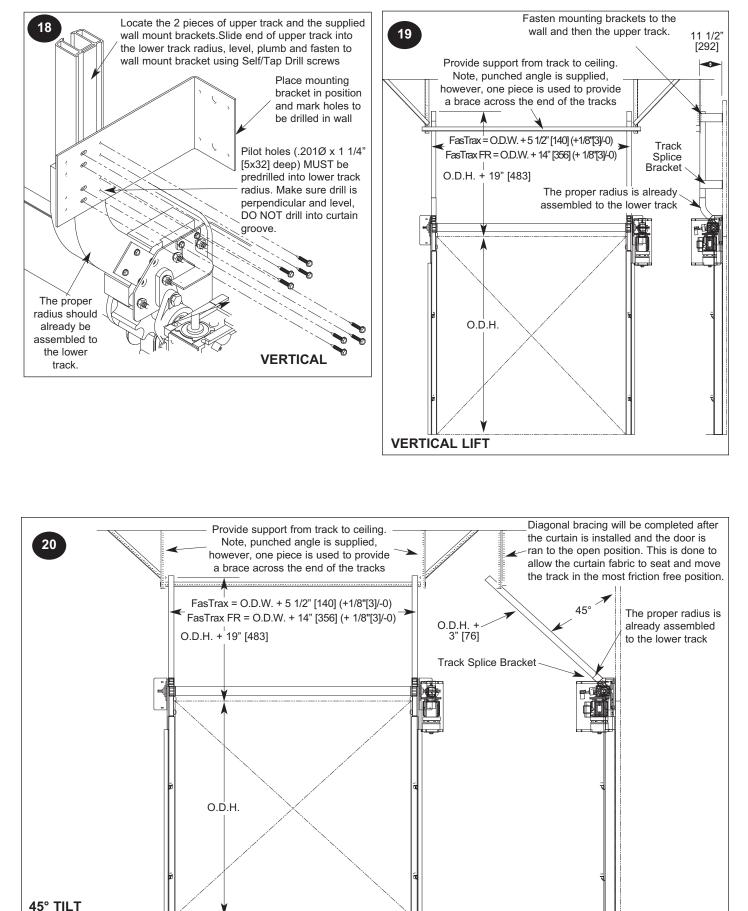
MOTOR / LIMIT SWITCH INSTALLATION







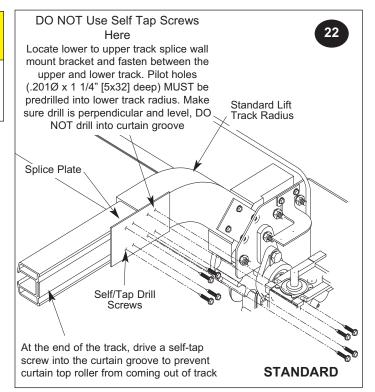
VERTICAL / 45° TILT - UPPER TRACK INSTALLATION



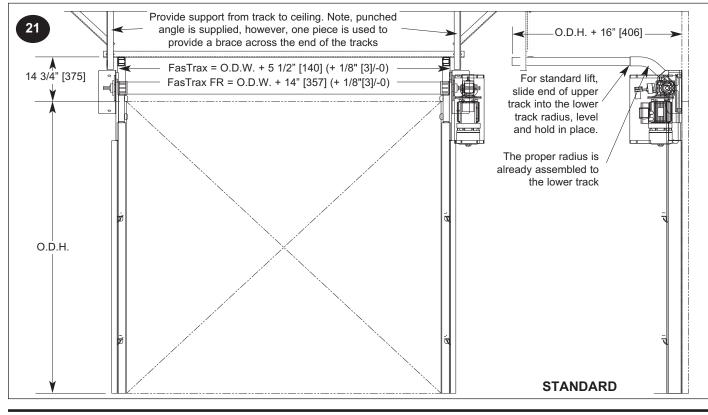
STANDARD / HIGH - UPPER TRACK INSTALLATION



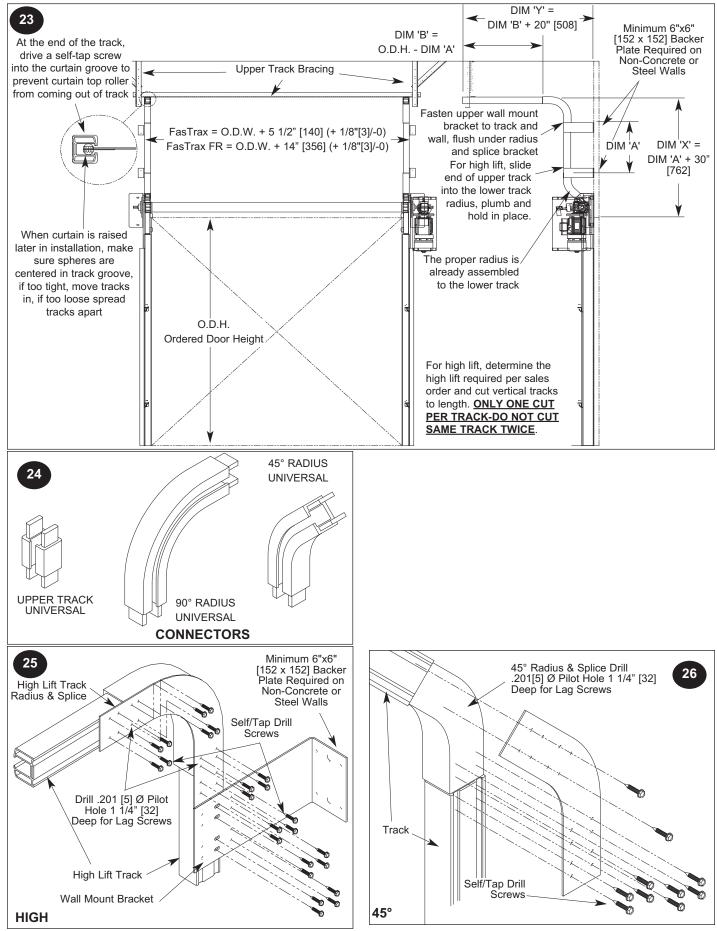
Make sure to place screws so they go into the outer cavities of the upper track and not into the curtain groove. The drill MUST be held perpendicular and level to ensure screw does not go into groove.







STANDARD / HIGH - UPPER TRACK INSTALLATION



ELECTRICAL INSTALLATION

WARNING!!!

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.

IMPORTANT!!!

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

A CAUTION !!!

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

IMPORTANT!!!

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.

IMPORTANT!!!

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.

NOTE:

Make sure to route the cable so that it does not interfere with the installation of the motor shroud. If the flexible conduit is too long for the installation, cut the protective outer casing and leave 16" to 20" [406 - 508] of wires. Do not connect the conduit to the fitting on the control box until correct conduit and wire length is achieved.

Local electrical codes may require the use of rigid conduit, rather than flexible conduit. If required, remove the control cables from the furnished flexible conduit, install the rigid conduit in its place and rewire. Make sure to remove and replace the conduit connector in the bottom of the control box.

Route all field installed wires so that separation is maintained between line voltage wires and low voltage class II wiring. Electrical prints included in the control box supersede any prints included in this owners manual on *Pages 28-35.* Always check parts or control box for prints.

Run the control cable from the conduit mounting bracket to the conduit fitting in the bottom of the control box.

Drill a hole for the power supply cable (by others) in the bottom of the control box using the proper connection to maintain the NEMA rating on the enclosure. All holes drilled through the control box must be through the bottom of the box. Incoming 3-phase power must connect into fuse holder terminals F1, F2, and F3. **Ground and shield**

holder terminals F1, F2, and F3. Ground and shield wires must attach to the green/yellow terminal.

Mount the control box on a wall adjacent to the door at approximately 54" [1372] above the floor level.

Wire

MUST be

properly

grounded

Conduit Bracket

Electrical Installation

27

Separate 110VAC is required for the power of the Thermal Air Seal blower,

or Virtual Vision junction box.

Option provided for Step-Down

Thermal Air Seal junction box

All control boxes should be

mounted on the warm side

the control box will not

than 300' [91,440].

incoming power.

regardless of door mount side.

The incoming power terminals in

accommodate wires larger than

be required for cable runs longer

The control box is provided with

class CC protective fusing for the

It is the responsibility of

control box with proper

branch service protection

and an approved means

electrical service up to the

the buyer to provide

of disconnect.

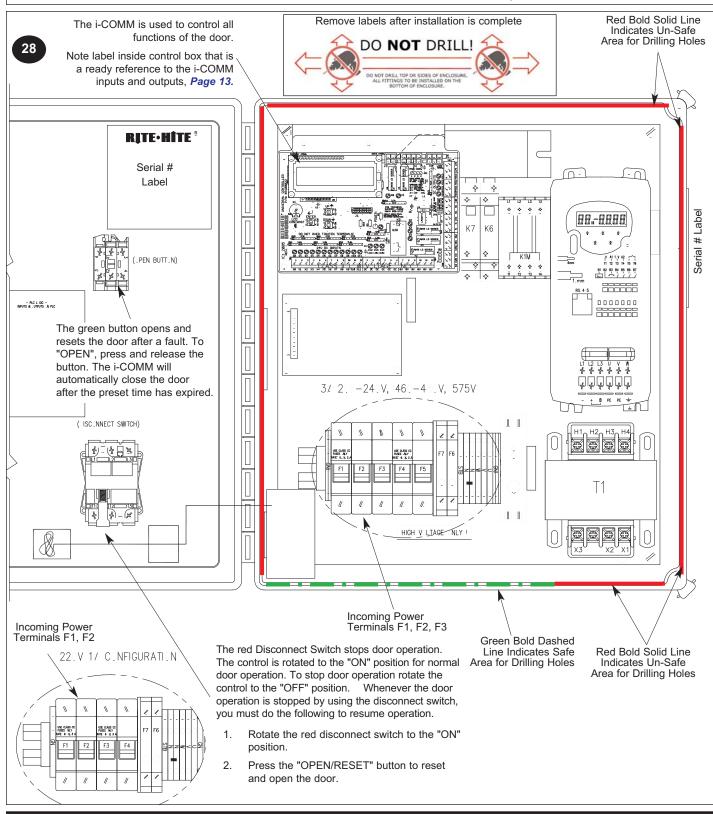
12AWG. 20 or 30 Amp service may

Transformer to power the

ELECTRICAL INSTALLATION

WARNING!!!

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



29

i-COMM LOGIC CHART



| NAM | IE | INPUT FUNCTION |
|-----|-------|-------------------------------|
| | Func. | |
| X0 | | Open Limit Switch |
| X1 | | Close Limit Switch |
| X2 | | Torque Reverse |
| Х3 | 2 | Activation Command - Open (4) |
| X4 | | Approach Open |
| X5 | 3 | Toggle Command (4) |
| X6 | 2 | Activation Command - Open (4) |
| X7 | 2 | Activation Command - Open (4) |
| X8 | | I-Zone [™] Sensor #1 |
| X9 | | I-Zone [™] Sensor #2 |
| X10 | | Photoeye - Reverse Door |
| X11 | | Photoeye - Reverse Door |
| X12 | | Open/Reset Switch (1) |
| X13 | | Induction Loop Activation (1) |
| X14 | | Fault Input |

FasTrax[™] Series i-COMM[™] LOGIC TABLE

COMMENTS

STATE TABLE *

Ø

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On when door opened. On when door closed. Off to reverse door. On to open door (4) On when door passes switch On to toggle open or close (4) On to open door (4) On to open door (4) Off to reverse & hold open (3) Off to reverse & hold open (3) Off to reverse & hold open (3) Off when photoeye blocked Off when photoeye blocked On to reset from fault (1) On to open door (1) Must be on for door to run

NAME

OUTPUT FUNCTION STATE TABLE *

| | Func. | | 0 | С | Ro | Rc |
|------|-------|-------------------------------------|---|---|----|----|
| K0 | | VFD signal: On to run open | Ø | Ø | 1 | Ø |
| K1 | | VFD signal: On to close & fast open | Ø | Ø | 1 | 1 |
| K2 | 20 | Door Closing Ouput | Ø | Ø | Ø | 1 |
| K3 | Ø | User Out (Interlock) (4) | Ø | 1 | Ø | Ø |
| K4 | | Fault Relay Output | 1 | 1 | 1 | 1 |
| K5 | | Fault Relay Return | 1 | 1 | 1 | 1 |
| YDC0 | 2 | User Out (Preannounce) (4) | Х | Ø | Ø | 1 |
| YDC1 | 20 | User Out (4) | Х | Х | Х | Х |
| YDC2 | | Photoeye Emitter Common | Х | Ø | Ø | 1 |
| YDC3 | 20 | User Out (4) | Х | Х | Х | Х |
| J3-1 | | Fault (Flashing Push-button) | Ø | Ø | Ø | Ø |
| J3-2 | | I-Zone Alarm | Х | Х | Х | Х |

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

On when door is opening

COMMENTS

On when door is closing & fast open On when door is closing User selectable output (4) On when not in fault On when not in fault User selectable output (4) User selectable output (4) On to turn on photoeye emitters User selectable output (4) On when in fault

On During I-Zone Alarm (3)

* <u>KEY:</u>

O = Open State $\emptyset = OFF$ C = Closed State1 = ONRo = Running OpenX = May be ON or OFFRc = Running Close

NOTES:

 $(1) \ {\rm Device \ operation \ can \ be \ changed \ through \ menu.}$

- 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.

53850521-1

PUB. NO. FASTRAXE NOVEMBER 2009

INVERTER PROGRAMMING

FasTrax[™] Inverter Program Instructions

When in Status mode, pressing and holding the "M" MODE key for 2 seconds will change the display from displaying a speed indication to displaying load indication and visa versa.

Pressing and releasing the "**M**" **MODE** key will change the display from status mode to parameter view mode. In parameter view mode, the left hand display flashes the parameter number and the right hand display shows the value of that parameter.

Pressing and releasing the **"M" MODE** key again will change the display from parameter view mode to parameter edit mode. In parameter edit mode, the right hand display flashes the value in the parameter being shown in the left hand display.

Pressing the "**M**" **MODE** key in parameter edit mode will return the drive to the parameter view mode. If the "**M**" **MODE** key is pressed again then the drive will return to status mode, but if either of the "**UP**" or "**DOWN**" keys are pressed to change the parameter being viewed before the "**M**" **MODE** key is pressed, pressing the "**M**" **MODE** key will change the display to the parameter edit mode again. This allows the user to very easily change between parameter view and edit modes whilst commissioning the drive.

"WARNING: Consult factory before changing any parameters not listed in this table."

| | , | | | |
|------------------|---|---------------|-----------|----------|
| Parameter Number | Name | Default Value | New Value | Units |
| 00.03 | Acceleration Rate 1 | 5.0 | 0.5 | s/100 Hz |
| 00.04 | Deceleration Rate 1 | 10.0 | 1.0 | S/100 Hz |
| 00.10 | Security Status | L1 | L2 | |
| 00.18 | Preset Speed 1 | 0.00 | 0.00 | Hz |
| 00.61 | Torque Detection Level | 0 | 50 | % |

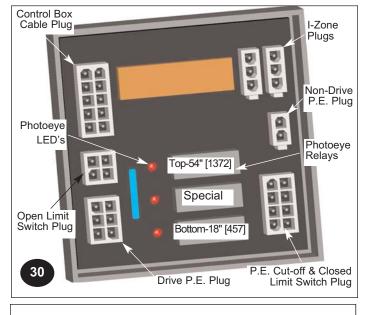
| | | FasTrax - Status Modes |
|-----------|-------------------|---|
| Left Disp | play Status | Explanation |
| rd | Drive ready | The drive is enabled and ready for a start command. The output bridge is inactive. |
| ih | Drive inhibited | The drive is inhibited because there is no enable command, or a coast to stop is in |
| | | progress or the drive is inhibited during a trip reset. |
| Er | Drive has tripped | The drive has tripped. The trip code will display in the right hand display. |
| dC | Injection braking | DC injection braking current is being applied to the motor. |
| Fr | | Drive output frequency in Hz |
| SP | | Motor speed in RPM |
| Ld | | Load current as a % of motor rated load current |
| A | | Drive output current per phase in A |
| | | |

INVERTER ERROR CODES

| Trin Code | Condition | FasTrax - Inverter Error Codes Possible Cause |
|--|--|--|
| tr UU | DC bus under voltage | Low AC supply voltage, check power source. |
| u 00 | De bus under voltage | Low DC voltage when supplied by an external DC power supply. |
| tr OV | | The DC bus (Pr. 84) has exceeded $800V-460V$ or $400V-230VAC$, check the following: If DC bus climbs while door is not running, disconnect CE filter with power off. If fault is intermittent when door is not running try to set Automatic reset of faults. (PR. 73 = 10.34, PR. 74=10.36, PR. 63 = 3, PR 64 = on) If fault is while door is closing add breaking resistor, see Control Box Explosion for a list of parts. Deceleration rate set too fast for the inertia of the machine. Mechanical load driving the motor. |
| tr lt.br | I ² C on braking resistor | Check door closing speed. If fault is while door is closing, add breaking resistor, see Control Box Explosion for parts breakdown. See tr OV for more troubleshooting. |
| tr It. AC | I ² C on drive output | Check that radial spacing and that they are square, or sideframe spacing. Motor wiring, check for loose connections or shorts. Make sure door cannot move if brake is engaged. |
| tr OI.AC | | Door is mechanical binding or jammed. Check that radial spacing and that they are square, or sideframe spacing. Motor wiring, check for loose connections or shorts. Make sure door cannot move if brake is engaged. Disconnect CE filter with power off. Insufficient ramp times. Phase to phase or phase to ground short circuit on the drives output. Drive requires autotuning to the motor. Motor or motor connections changed, re-auto tune drive to motor MUST wait 10 seconds to reset after trip occurs |
| Ol.br | Braking resistor | Excessive braking current in braking resistor |
| | instantaneous over current | Braking resistor value too small. MUST wait 10 seconds to reset after trip occurs |
| O.SPd | Over speed | Excessive motor speed (typically caused by mechanical load driving the motor) |
| tunE | Auto tune stopped before complete | Run command removed before autotune complete |
| lt.br | l ² -t on braking resistor | Excessive braking resistor energy |
| It.AC | l ² -t on drive output current | Excessive mechanical load. Drive requires re-autotuning to motor. High impedance phase to phase or phase to ground short circuit at drive output. |
| O.ht1 | IGBT over heat based on drives thermal model | Overheat software thermal model |
| O.ht2 | Over heat based on drives heatsink | Heatsink temperature exceeds allowable maximum |
| th | Motor thermistor trip | Excessive motor temperature |
| O.Ld1 | . . | Excessive load or short circuit on +24V output The Enable/Reset terminal will not reset an O.Ld1 trip. Use the Stop/Reset key. |
| OUL.d | I x t overload | Reduce motor current |
| hot | Heatsink/IGBT temp is high | Reduce ambient temperature or reduce motor current |
| br.rS | Braking resistor overload | See Advanced user guide |
| EEF | | Possible loss of parameter values |
| PH | Input phase imbalance or input phase loss | One of the input phases has become disconnected from the drive |
| rS | | Motor too small for drive Motor cable disconnected during measurement |
| O.cL tr HF ## | Hardware Fault | Input current exceeds 25mA The drive has detected a hardware problem, verify wiring is correct. This cannot be fixed in the field, replace the drive. |
| HF 05 trip HF 06 trip HF 07 trip HF 08 trip HF 20 trip HF 21 trip HF 22 trip HF 25 trip HF 26 trip HF 27 trip HF 28 trip HF 28 trip HF xx trip | | No signal from DSP at start up Unexpected Interrupt Watchdog failure Interrupt crash (code overrun) Access to the EEPROM failed Power stage - code error Power stage - unrecognized frame size OI failure at power up DSP Communications failure Soft start relay failed to close, or soft start monitor failed or braking IGBT short circuit at power up Power stage thermistor fault DSp software overrun HF 1-4, 9-10,12-19,23,24,29,30 Are not used |

Inverter

CURTAIN INSTALLATION



IMPORTANT!!!

If motor rocks excessively, tighten bumpers.

DRIVE TUBE PHASING

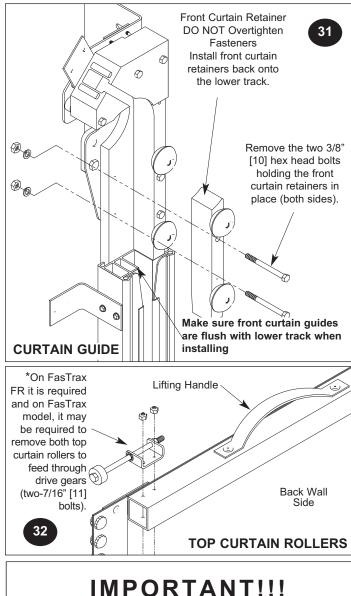
- 1. With control box installed, turn disconnect to "ON".
- 2. When pressing the "OPEN" button, the drive tube should rotate counter-clockwise on right hand drive door and clockwise on left hand drive door. (The back of the tube should be turning toward the ceiling.)
- 3. If the drive tube rotates in the opposite direction, switch wires in motor terminals U & V.

CURTAIN INSTALLATION (Determine phase first)

- 1. Place curtain in front of the opening.
- 2. Disengage brake by tightening the handle on the brake.
- 4. Using a lift, raise curtain and feed top drive sphere around the back side of the drive gear and into the radius and/or track, *Figure 33.*
- 5. Rotate drive tube to drive curtain through the drive gears.
- 6. Loosen brake release handle and secure to clip.

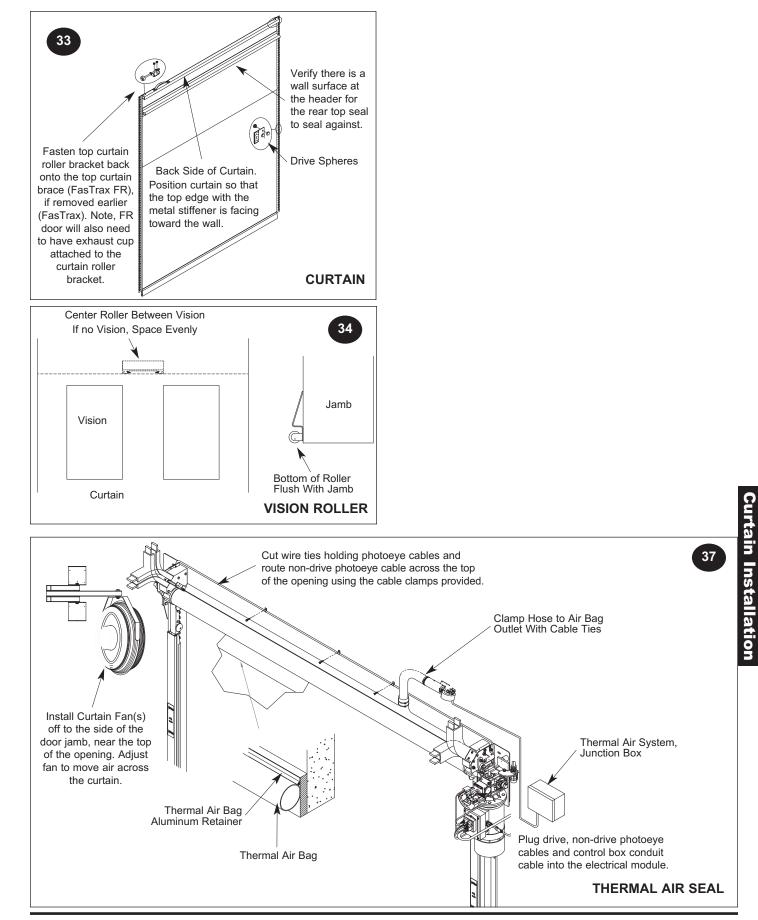
WARNING!!!

The curtain may close very quickly if the brake is fully released. Releasing the brake partially will allow the door to close smoothly. Failure to restrict the curtain speed, can result in damage to product or injury to personnel.

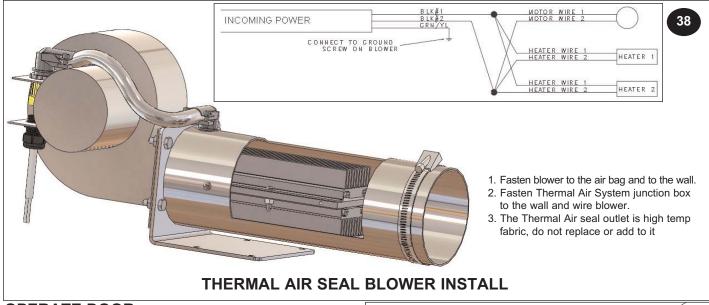


*Top curtain roller bracket should be positioned such that the roller shaft is toward the curtain and away from the wall.

CURTAIN INSTALLATION

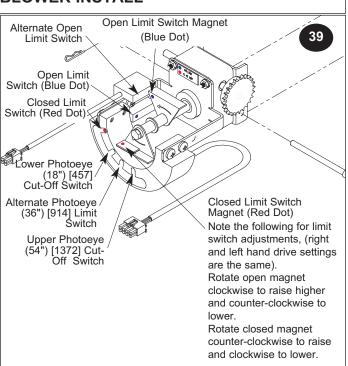


THERMAL AIR SYSTEM



OPERATE DOOR

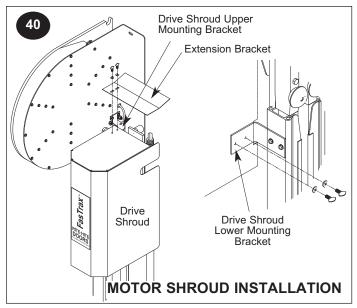
- With curtain partially fed into the tracks, press the "OPEN" button, when the door is at or near the open position, stop and turn power off to the door and set the open limit switch by rotating the open magnet arm until it lines up with the open proximity switch. (XO i-COMM input should illuminate)
- If the curtain travels past the jamb and/or out of the drive gears, the brake handle will need to be tightened to release the brake. Lower the curtain to the desired open position, making sure curtain drive spheres are fed equally level through the gears.
- 3. Loosen brake handle to engage brake.
- 4. With power on, turn open magnet arm until it lines up with the open proximity switch (X0 i-COMM input should illuminate).
- 5. Press the green "OPEN" button, the door should travel close. ** Use caution not to close door to far, the black edging should not impact the floor.
- Stop and turn power off to the door when the curtain is at or near the closed position. Rotate the closed magnet arm until it lines up with the proximity switch. (X1 i-COMM input should illuminate) Turn power on.
- 7. Press the "OPEN" button and verify open limit is set properly.
- 8. Allow door to auto-reclose and verify closed limit is properly set.
- NOTE: Each 1/2" [13] of travel on the limit switch magnets is equal to approximately 12" [305] of curtain travel.

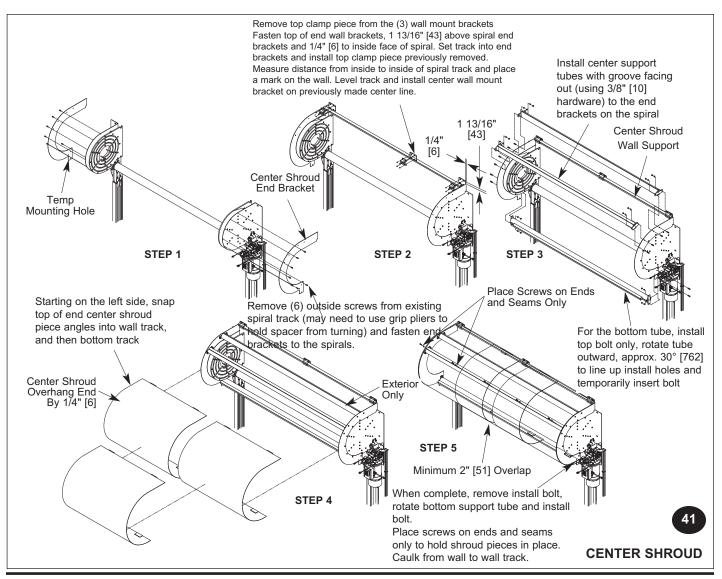


SHROUD INSTALLATION

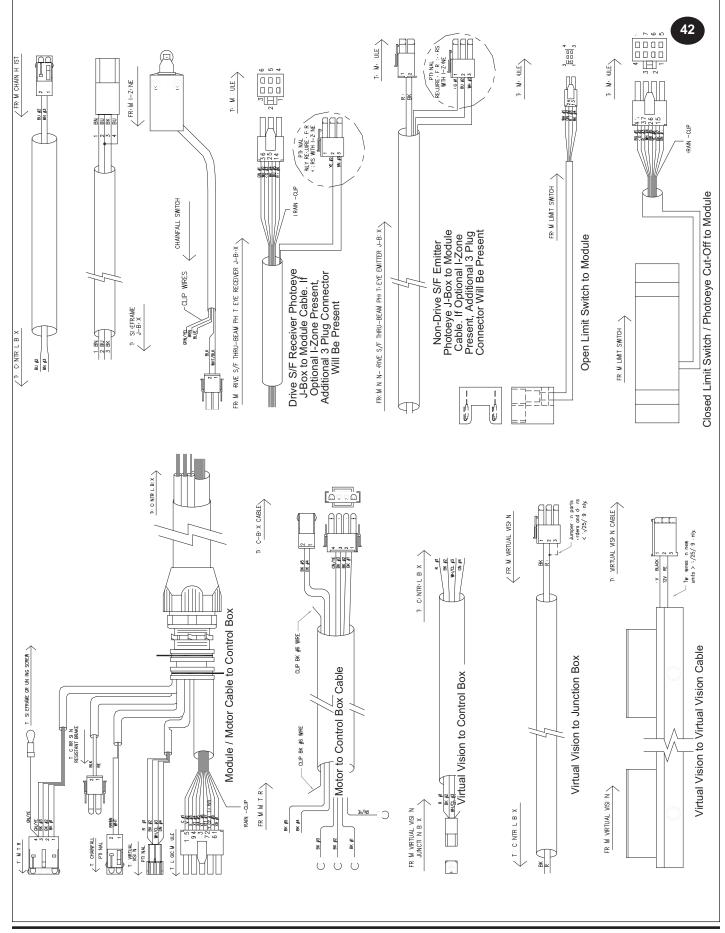
IMPORTANT!!!

Curtain needs to be stopped at or before it reaches the top of the jamb.

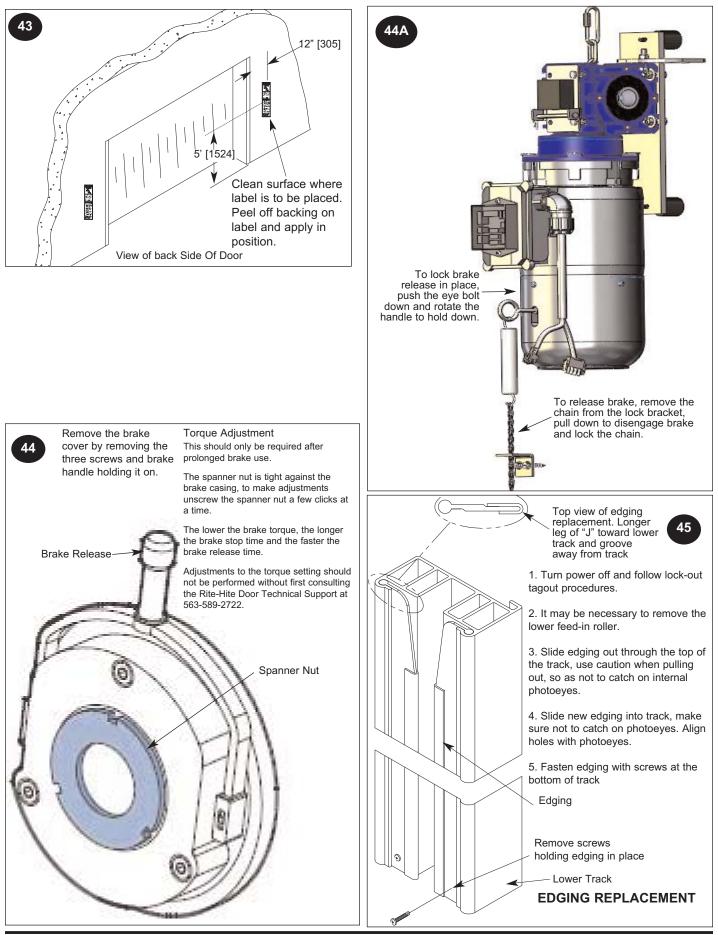




FASTRAX^{TE} ELECTRICAL CABLE INSTALLATION



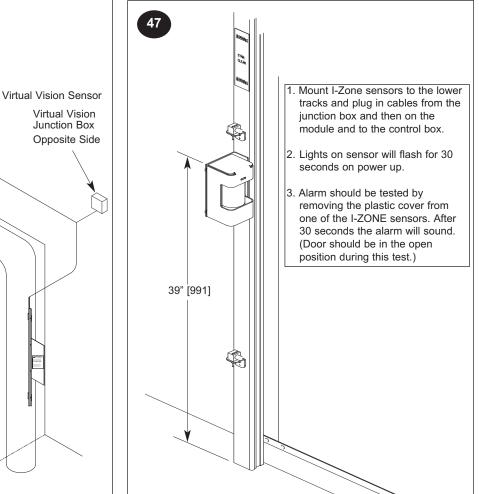
BRAKE ADJUSTMENT



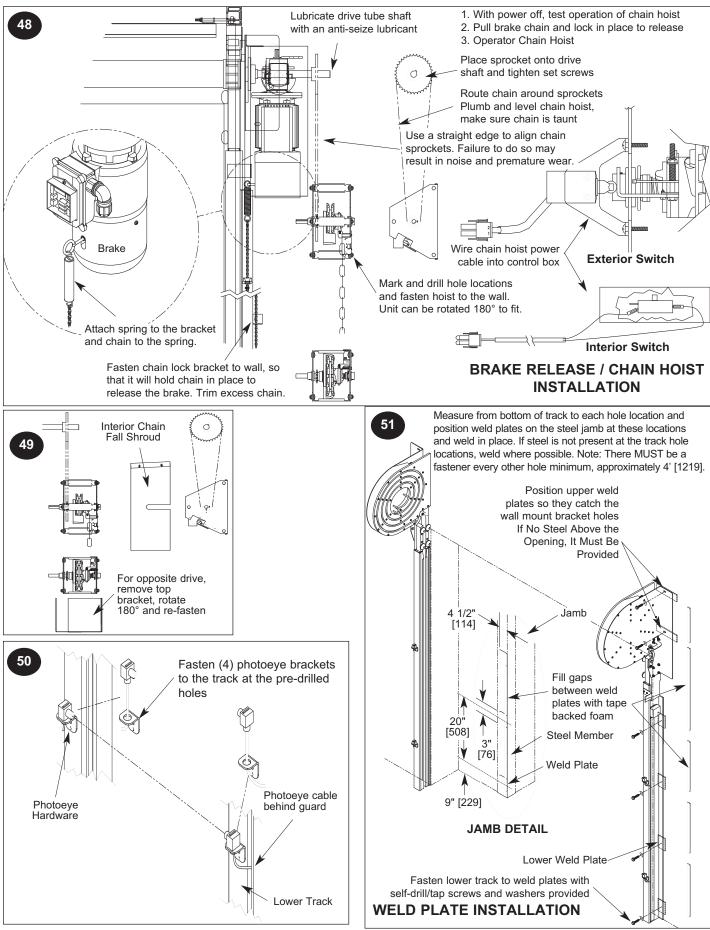
OPTIONAL VIRTUAL VISION / I-ZONE INSTALLATION

- NOTE: Virtual Vision is standard on Freezer / Cooler doors provided with the Insulmax curtain. There will be a motion sensor mounted on each side of the door, as well as 2 red LED light bars on each side of the opening on both sides. The motion sensors will detect motion on the opposite side of the curtain to warn oncoming traffic of a possible pedestrian or forklift on the opposite side.
- 1. If door is equipped with Thermal Air Seal Step Down Transformer junction box, plug in Virtual Vision cable. If not, there will be a separate junction box strictly for the Virtual Vision.
- Virtual Vision light bar assemblies should be located on each side of the doorway and in clear view of oncoming traffic. They should be installed approximately 3' [914] off the floor, adjacent to the doorway (e.g. goal posts or wall) and in a location that is protected from potential impact damage.
- Motion sensors can be installed above the opening on Radial doors or off to the side if Vertical, 45° Tilt, High or Standard lift.
- 4. Sensors should be programmed for a 2 second hold time and bi-directional detection.
- 5. Direct sensors so they DO NOT extend beyond the width of the door.
- 46 Virtual Vision Sensor Virtual Vision Box Opposite Side 39"
- 6. Plug cables together and wire into control box.

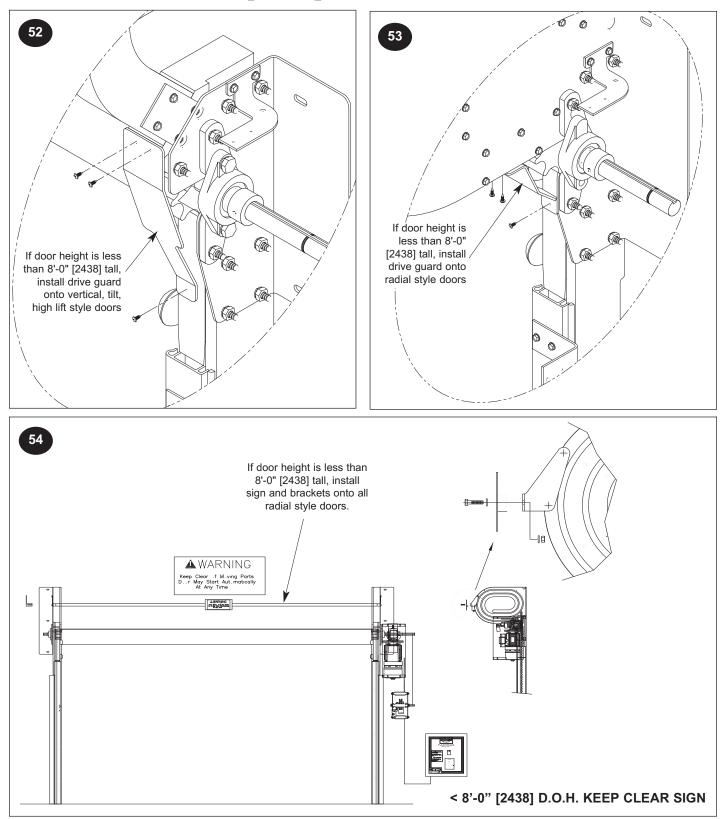
- To avoid cross talk when changing the settings on the Virtual Vision or activation sensors when using the remote controls, Rite-Hite offers the following three options:
- a) The BEA remote control allows you to set a unique security code for each sensor. That way, you would enter the code for the sensor you are interested in changing, and it will only change the settings for that sensor. To accomplish this, temporarily disconnect the activation sensor(s) from its power supply (at the i-COMM), use the remote to set a security code (e.g. "1111") for the Virtual Vision sensor(s), then power up all sensors. The activation sensor will have the default security code "0000" for its settings, and the Virtual Vision sensor will have its new security code when changing its settings (use unlock/lock sequence). There should be no cross-talk with the remote's instructions when using this approach. Make sure to record these values for future reference.
- b) If you do not wish to use security code settings, you can simply power down one unit (at the i-COMM) while setting the other unit, and then do the same thing with the other unit. This is similar to option "a", although if you want to make subsequent changes to the settings, you would need to go through the power down procedure again.
- c) If you do not wish to power down the units or use security settings, you can physically cover one of the units while programming the other unit. Any opaque material (e.g. cardboard) should work. However, with units typically mounted high above the opening, this may be difficult.



HOIST - BRAKE RELEASE - WELD PLATE INSTALLATION



LESS THAN 8'- 0" [2438] DOOR OPENING HEIGHT



OPERATING PROCEDURE / FINAL CHECKLIST VERIFY DOOR OPERATION / CHECKLIST

- 1. It is recommended that the operation of all controls on the FasTrax/FR be verified monthly.
- The door operations are controlled by a Universal Controller. The controller 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 program.
- A quick way of determining that the door is ready to operate, is to open the control box and look at the row of (X) green Input LED's on the i-COMM and the label to verify proper state.
- 4. Are door opening dimensions correct ?
- 5. Tracks shimmed as required?
- 6. Tracks aligned when installing wall fasteners ?
- 7. Are the pillow block bearing set screws tightened to 66 to 80 in.-lb. ?
- 8. Check for proper line voltage ?
- 9. Are all mounting bolts tight ?
- 10. All wires connected for the photoeyes ?
- 11. Are loose wires secured away from moving parts?
- With the power on, press the "OPEN" button, the door should open and close automatically after a short delay. To adjust the amount of door open time, the setting must be changed in the i-COMM controller, *Figure 28, Page 12.*
- 13. Operate and observe the door opening to make sure that it fully opens. Observe the closing action to make sure that the door operates smoothly, and fully closes without excessive curtain ripple, *Figure 39.*

If it is necessary to adjust either position, shut the power off and adjust the proper open or closed limit switch.

- 14. While the door is closing, block the reversing photoeyes. The door should reverse direction and move to the open position, and then continue to operate.
- 15. Using end user material handling equipment, approach door slowly and verify that all the activation devices that are being used are operating properly. DO NOT attempt to drive through a door in which the green button is flashing.
- 16. Use caution (hock horn) and look in a directions when approaching a door that is closing and ensure that the door will reverse before proceeding.
- 17. Pedestrians should be advised to use man doors when present and to not lean into the door way.
- A fault will occur if the optional non-powered chain hoist chain is pulled, simply press the green flashing "OPEN/RESET" button to return to normal operation.
- 19. Motor shroud installed.
- 20. Ground and Shield wires have been properly terminated.



Locate the receiver photoeye in the drive side sideframe. Located on the top of the photoeye are three LEDs.

The yellow LED will be on when the output is energized. The orange LED will be on when the margin is > 2.5. If the yellow and green LED's are OFF, either the beam is blocked or the photoeye is out of alignment.

The green LED should be on when the photoeye is powered and blocked causing the yellow and orange light to go off.

The source photoeye in the nondrive sideframe will only have the green LED for power.

MAINTENANCE PROCEDURES

| | | | | | FAST | | | NTENANCE |
|-----------------------------------|--------|-------|---------|---------|-------------------------------|---------|----------------|---|
| CUSTOMER: | JOB# | ŧ | | | | SE | RIAL# | DATE: |
| | | Reco | ommen | ded P | M. Inte | rvals | | |
| Planned Maintenance Task | | (T | | iown Ir | n Montl | · · | | Inspect and Perform the Following |
| | 1 | 6 | 12 | 18 | 24 | 30 | 36 | |
| Activation | | X | x | x | x | x | | Operate all devices to verify proper operation. |
| Curtain Fans | | x | x | | x | | | Verify that Curtain Fans are powered and working. Make sure that the fans are positioned properly and are removing condensation from the curtain. |
| Auto Re-Feed | | х | x | | X | | | Verify auto re-feed is operational. |
| Brake | x | | x | | x | | | Verify that brake stops the door at open and closed positions as well as when stopped in the middle of travel. To move the curtain manually, turn the brake release handle to the disengaged position. The curtain should be able to be moved manually. If brake is making noise, adjust. |
| Controls / Wiring | | | x | | x | | | Clean, check all connections with disconnect off. Make sure all wires are free from moving parts. |
| Curtain | | x | | x | x | | X | Inspect for wear or damage, patch immediately to prevent condensation or frost buildup. Clean with warm soapy water. Check drive spheres, if missing or damaged, replaced. Check top roller. |
| Door Assembly | | | x | | x | | x | Perform visual inspection for damage. Tighten all hardware. Replace any worn labels. Use air hose to remove dust and debris. |
| Door Operation | | | x | x | x | x | | Operate door and make sure all operations are functioning properly. |
| Drive Tube | | | x | | x | | x | Verify drive tube gear is centered over track groove Make sure bearing set screws and mounting bolts are tight. |
| Gearbox | | | x | | x | | x | Check gearbox fluid level, fill with 90 weight if low. Check snap rings and/or lock collar set screws. |
| Limit Switch Assembly | | | x | | x | | | Check open and close positions, adjust as required Check photoeye cutoff switches. Lubricate chain, sprockets and check alignment. |
| Lintel Seal | | | x | | х | | X | Verify lintel seal is sealing wall properly. |
| Motor | | | X | | X | | | Check junction box and plug connections. |
| Non-Powered Opening Option | | | x | | x | | x | With power off, verify chain hoist opens door. Lubricate chain, sprockets and check alignment. |
| Photoeyes | | x | x | x | x | x | | Verify both photoeyes reverse the curtain. LED's on module or I-COMM should go on/off. Clean emitter and receiver lens. |
| Thermal Air Seal | | x | x | | x | | X | Verify air bag is inflated, free of tears and providing an adequate seal against curtain and the wall. If torn, patch immediately to prevent condensation buildup. Verify warm air existing exhaust holes. |
| Tracks / Radial (upper and lower) | x | x | x | x | x | x | x | Perform visual inspection. Lubricate radials and tracks with food grade synthetic grease (Super Lube). It may be required to remove the existing grease prior to adding new. Verify proper width and tighten all hardware. Check foam seal if present. Inspect track retention edging, replace if cracked. |
| Track Retention Edging | | | x | | х | | | Verify virtual vision is functioning properly. Red |
| Virtual Vision | | | x | x | x | x | | LED's should be lit if movement on opposite side. Inspect vision for tears or separation. |
| Vision (not on FR doors) | | x | x | | x | x | | Clean with warm soapy water. Lubrication of the radials and tracks is the sole |
| Radial and Track Lubrication | requir | ed mo | re than | every | nd trac 6 mont ental co | ths, ba | y be sed on | responsibility of the radials and tracks is the sole responsibility of the end user. If door is mounted in a dirty environment, it may be required to remove the existing grease prior to adding new. |

MAINTENANCE INFO

High-Temperature Synthetic Grease with PTFE (Polytetrafluoroethylene)

The synthetic oil base in this food-grade silica-thickened grease, increases the time before the next application. It also contains a PTFE additive that reduces friction and waterproofs metal surfaces, preventing rust and corrosion. NSF rated H1 for applications with incidental food contact. Temperature range is -45° to +450° F [-45° to +232° C]. Color is white.

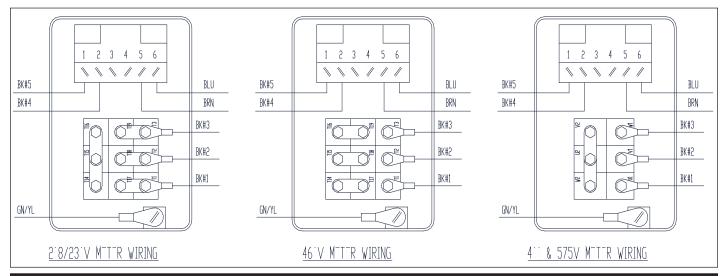
McMaster Carr # 1378K33 - 14.1oz Cartridge

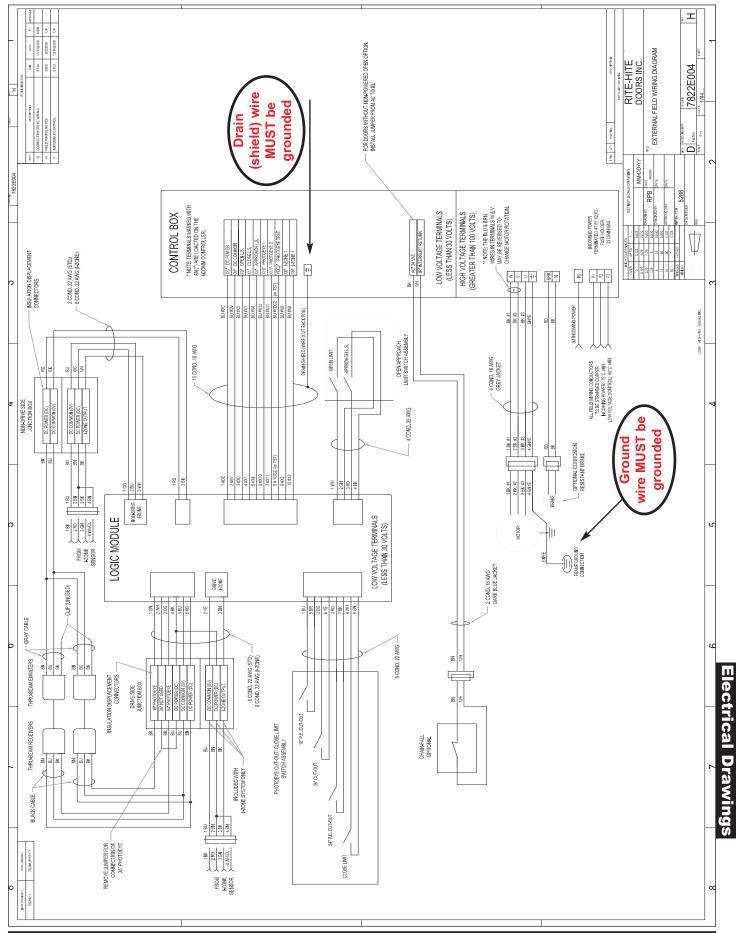
TROUBLESHOOTING

| DEFINITION | |
|--------------------------|---|
| DEFINITION Activation | FUNCTION For activation guestions, refer to the Activation Manual and inputs X5 & X6. |
| Brake | The brake is powered by 110VAC, if brake does not stop door when open or closing or if there is excessive noise, see brake adjustments on <i>Page 21, Step 44.</i> |
| Breakaway | If the curtain is separated from the lower tracks, simply press the open button and the door will auto-refeed back into the tracks without tools or intervention. If a major separation occurs the door may need to be turned manually to prevent damage to the curtain. |
| Conduit Cable | If supplied conduit cable is too short, DO NOT splice wires, as the cable is shielded to prevent electrical noise from entering the control box i-COMM universal controller. Issues regarding noise of this nature will not be covered under warranty. Contact Aftermarket for replacement. |
| Curtain | Make sure the motor is grounded and the braided (drain) wire is properly grounded to prevent electrical noise. The curtain is driven by the drive spheres and the drive tube. |
| | a) If drive spheres are missing from curtain, repair or replace. b) If curtain struggles to raise or lower or is baggy across the opening, verify tracks are proper distance: FasTrax = O.D.W. + 1/2" [13] or FasTrax FR = O.D.W. + 9" [229]. c) Check to make sure tracks are lubricated with food grade synthetic grease (Super Lube). d) If curtain is making contact with the wall when closing, verify lower tracks are not too close together and that lintel rolle. |
| Disconnect Switch | is present and properly installed. The disconnect switch is in line with fuse holder terminals F1, F2, F3, and removes power from the entire control box, |
| Drain Wire | except for terminals F1, F2, F3. Verify that drain wire is terminated properly, failure to properly terminate the drain wire, may result in sporadic |
| Drive Side Switch | reversals, photoeye and other issues due to either static electricity or electrical noise and void warranty. The drive can be switched from right hand to left hand by performing the following: a) Remove and switch conduit mounting bracket to opposite side. b) Remove and switch motor mount bumper bracket. |
| | c) Remove gearbox limit switch bracket and move to outside holes. d) Remove and switch limit switch driven sprocket. e) Remove and switch drive and non-drive photoeye cables. |
| Drive Tube | f) New drive shroud is required. If drive spheres make excessive clicking noise, make sure tube drive gears are centered over track grooves. |
| FasTrax or FasTrax FR | FasTrax is the standard door and FasTrax FR is the freezer / cooler door with Thermal Air System. |
| -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 13. Settings can be changed for re-close or pre-announce timers, interlocks, special activation commands, among many others, refer to instructional manual included. a) Verify i-Comm is receiving 24VDC from power supply. |
| | b) Verify 8 pin connector is fully engaged onto i-comm board and pins/wires are not loose. c) Input X0 - Open Limit will be on when the switch and magnet are lined up (Blue dots). d) Input X1 - Closed Limit will be on when the switch and magnet are lined up (Red dots). e) Input X2 - Torque Reverse needs to be on for the door to operate. f) Input X10 - Lower Photoeye will be on unless photoeye is blocked or not aligned. g) Input X11 - Upper Photoeye will be on unless photoeye is blocked or not aligned. |
| Inverter | h) Input X14 - Fault needs to be on for the door to operate. See Pages 14-15 for proper parameter settings. |
| Limit Switches | The Open, Closed, and Photoeye limit switches are a normally open device and should only be closed when the magnet is in-line with the switch. If the switch is closed when it is not in-line with the magnet, check all plug and pin connections to |
| | make sure they are not bent and/or replace the switch. a) If the curtain travels past the open limit switch, dis-engage brake and turn drive tube to place bottom of curtain at the top of the jamb and set open limit by placing magnet at the open switch and verify X0 i-COMM input is on. Engage brake. b) If the curtain travels past the closed limit by placing magnet at the closed switch and verify X1 i-COMM input is on. Engage brake. c) To adjust open limit switch, place door in the open position, and align magnet with the open limit switch, by rotating the |
| | open magnet plate. (d) To adjust the closed limit switch, lower door so the curtain bottom loop is sealing on the floor and align magnet with the close limit switch, by rotating the open magnet plate. e) Photoeyes are shut off as the door closes and the close magnet passes the photoeye cut-off switches. f) Operate door and test operation. |
| | g) If limit switch chain jumps teeth, make sure it is lubricated. h) If open and closed limit input LED's are both on at the same time, the door will go into a fault. j) If door closes too far and does not see the closed limit switch, it will torque reverse, open and go into fault. |
| Module | The module is located on the cover of the motor junction box where the limit switches, photoeyes, optional I-Zone and cable from control box harness is wired. a) X11 and upper red LED will go off when the upper (54") [1372] photoeye is tripped or as the limit magnet passed by. b) X10 and lower red LED will go off when the lower (18") [457] photoeye is tripped or as the limit magnet passed by. c) The center red LED is not used. d) When installing door and it is not operating normally, verify all pins are in the proper position in the plug. |
| Matar | e) Verify pins are seated properly in the plugs. |
| Motor | If "OPEN" button is pressed and the door closes, phasing is reversed, switch wires in terminals, V and W. Make sure the motor is properly grounded to prevent electrical noise. |
| Non-Powered Opening | If issues arise with the non-powered opening chain hoist, check the following: a) If power outage, release brake and pull chain on hoist to open door. |
| | b) If chain hoist chain is pulled while door is powered, the door will go into fault mode (green light flashing). c) If chain hoist chain is pulled, reset door by pressing the green flashing button. |
| O.D.H. or O.D.W. | O.D.H. = Ordered Door Height or O.D.W. = Ordered Door Width |
| Open/Reset Push Button | |
| Pressure | If the curtain is blowing out because of high wind or negative pressures, check the following: a) The tracks MUST be mounted at O.D.W. + 1/2" [13] for FasTrax and O.D.W. + 9 1/2" [241] for FR door. If mounted wider, excessive curtain wear may occur, if too narrow, curtain buckling or billowing will be greater. b) Check to make sure the curtain has all the drive spheres in place. |
| | c) Exterior doors are equipped with a garnet bag in the bottom loop to protect from the elements.d) Stiffer track edging is standard on exterior doors. |
| Re-Close Timer | The door can be set to close from 2 to 255 seconds, follow i-COMM adjustment instructions. |

TROUBLESHOOTING

| DEFINITION | FUNCTION |
|-----------------------|--|
| Photoeyes | The photoeyes are wired to the 24VDC circuit and are wired as normally closed when there is power to the unit and the emitter photoeye is aligned with the receiver photoeye. There are 3 lights on the receiver and one on the emitter. Green is for power, yellow and orange are for proper alignment. The photoeyes will reverse or hold the door open when the photoeye beam is blocked. When the beam is not broken, the door will auto-reclose. If photoeyes require adjustment, check that sideframes are square to the wall. |
| | a) Power to Brown (DC) and Blue (OV) wires. |
| | b) Relay wires Black to Blue should be closed when photoeye is aligned and open when not aligned. c) When open, i-COMM verifies photoeye inputs are off. If on, door will fault. If off, test is ok, emitter's turn on. d) Verify module LED's correspond with photoeye activation, LED on module should light up when close limit switch magnet is lined up with the photoeye cut-off switch at all 3 locations. |
| | e) Örange and yellow light on the Receiver should be on when aligned. f) Green light on the Emitter indicates the unit is powered up. |
| | g) Input X11 and Module upper red LED will go off when the upper (54") [1372] photoeye is tripped or as the limit magnet passed by. |
| | h) Input X10 and Module lower red LED will go off when the lower (18") [457] photoeye is tripped or as the limit magnet passed by. |
| Power Supply | Power Supply is powered by 120VAC from the F1 fuse and delivers 24VDC to the i-comm. |
| Virtual Vision | FasTrax FR door comes standard with Virtual Vision, when motion is sensed via Falcon motion sensors on the opposite side of the curtain, the Virtual Vision red LED's will illuminate to notify driver of movement on the opposite side of the curtain. a) It is normal for the YDC3 output to flash on i-COMM during door operation. |
| Voltage Change | To change the voltage, see step below: |
| | a) Change transformer taps, fuses per electrical diagram. b) Change motor wiring per junction box diagram. |
| Door does not close | c) Replace Inverter with proper voltage. a) Verify inputs X2 and X4 are on. |
| | b) Verify inputs X2 and X4 are on. b) Verify inputs X5, X6 or X7 are not on, if on, remove wire from terminal to determine what is keeping light on. c) Verify outputs K1, K2, K4, K5 and YDC2 are on or coming on to signal inverter to close door. d) Check status on i-comm display to see why door is staying open (<i>"Photoeye Blocked" or Photoeye Failure", etc.</i>), |
| | should read <i>"Door Closing in "x" seconds".</i> e) Verify inverter display is changing frequency. f) Verify chain hoist chain is not pulled and switch is not tripped. |
| | g) Verify brake handle is not released. h) Verify X10 and X11 are on and that the photoeyes are lined up and not blocked. |
| | j) Verify proper incoming power is reaching inverter at L1, L2 and L3. k) Verify as the curtain gets close to the photoeves that they are being shut off. Make sure the magnet is 1/8" [3] |
| | tó 3/16" [5] from the switch and that the switch is working. m) If run timer occurs, check for binding or obstructions. Tracks may need to be lubricated to reduce friction. |
| Door does not open | a) Verify inputs X2 and X4 are on. b) Verify input X3, X5, X6 or X6 are coming on when activation device is being used. |
| | c) Verify outputs K3, K4, K5 and YDC2 are on or coming on to signal inverter to open door. d) Check status on i-comm display to see why door is staying closed, should read "Door Opening". e) Verify inverter display is changing frequency. |
| | f) Verify brake handle is not released.g) Verify proper incoming power is reaching inverter at L1, L2 and L3. |
| Door slams open/close | a) Verify the limits properly set. b) Verify X0 input coming on when door reaches open position. |
| | c) Verify X1 input coming on when door reaches closed position d) Verify sprocket set screws are tight and the chain moves when the drive tube is turned. e) Verify the open and close magnet paddles move when the drive tube is turned. |
| | f) Verify the magnet is within 1/8 [#] [3] - 3/16" [5] from the switches when it passes by. g) Verify the outputs are turning off when the X0 & X1 inputs light up. |
| | h) Verify the inverter is changing speeds on the display. j) Verify the phasing is correct. The door should open when the green open button is pressed. k) Verify the brake is engaged and not released ? |
| | m) Verify the key been installed on the gearbox / shaft. n) Verify the proper ratio gearbox is being used. |
| | |
| | 1 |





MANDATORY FIELD WIRING DIAGRAM

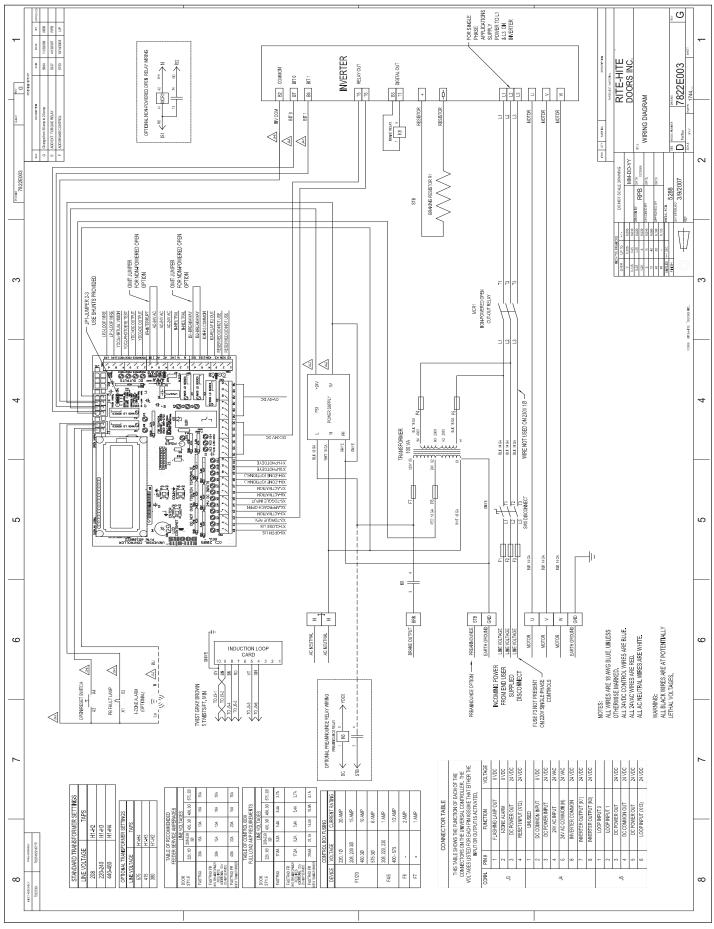
ACTIVATION WIRING

FASTRAX[™]

| NEXT ASSEMBLY | | | | REVISION HISTORY | | |
|--|--|--|---|---|---------------------------|-------------|
| | | INTERLOCK | HEATED PULL | | ECN DATE | BY APPROVED |
| BEA - Falcon. | | | CORDS | A UPDATE FALCON 5705 | 125/2008 | LIP |
| IS-87, EagleHM | INDUCTION LOOP | | Control Box Photoeye | | | |
| or US BK WH GN | Control Box Loop Wires LP1 // Wire(a) [P2 // Wire(b) [2] Žu // Wire(b) | X? K3 DC K3 2 Door Standard Interlock Note: Consult t-COMM manual to see which inputs can be assinged interlock in function. Connect K3 to whichever input is selected to become ther hock in, No other is | X6** // SW. AC // HTR. Heated Pull-Cord Station | THIS DRAWING ASSUMES INPUT FUNCTIONS ARE SET TO FACTORY DEFUALTS. CONSULT I-COMM MANUAL FOR DETAILS WARNING: NEVER CONNECT MOTION SENSORS TO A TOGGLE INPUT | TO FACTORY DF | FUALTS. |
| | | devices should be connected to this input. Terminal Must be assigned to Interflock through i-COMM menu on both doors. (i.e. If X3 is to be assigned a function of | | Terminals "X6", "X7" are automatic reclose. Terminals "DC" are DC common for inputs. Terminals "AC" and "N" are 24VAC terminals. | | |
| AS Sedco - D38 Box D38 Sensor // 1* 3 | Control Box Photoeye DC H H H BK AC H H H BU AC H H H BU X6* OG Refroreflective or Thru Beam Receiver | Interfock 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. | | *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. X3, X6, or X7 and assign that input a function of "6" in the i-COMM menu. Multiple sensors can be connected in parallel. | ut. the i-COMM menu. | Multiple |
| DC // 4 D38 Motion Sensor *If switched, green lite will be | Control Box Photoeye | STROBES & ALARMS | | Consult i-COMM manual for additional instructions. | | |
| on, and F2 tuse blown. BEA - DK-12 Control Box DK12 Sensor | R PULL-CORDS | Control Box Beacon/Strobe STB // Wire Warning Device Beacon/Strobe | | | | |
| N DC N X6*** 7/ | Control Box Switch DC // SW X6** // SW Wire Each device as shown. | Additional Relay Required 120VAC U.L. Listed .30 Amp Max Control Box 120VAC Alarm STB /// Wire N /// Wire | | | | |
| RADIO CONTROLS | NTROLS | Audible Alarm | | ITEM QTY PARTNO. DESC | DESCRIPTION | |
| | Control Box N DC DC DC DC DC DC DC DC DC DC | | INCH TOLERANCES DO NOT (OVER UP TO +/- DO NOT (0 0.125 0.005 0.005 0.125 0.000 0.000 0.000 0.25 0.000 0.000 0.000 | DO NOT SCALE DRAWING RATELIST / MATERIAL PARTS LIST / MATERIAL MANAGE RAWING RATELIST / MATERIAL PARTS LIST LIST LIST / MATERIAL PARTS LIST / MATERIAL PARTS LIST LIST LIST / MATERIAL PARTS LIST / MATERIAL PARTS LIST LIST / MATERIAL PARTS LIST LIST LIST LIST LIST LIST LIST LI | HITE [*] INC. | |
| 300MHz Radio Control | ////////////////////////////////////// | | CHECKED BY APPROVED BY INITIAL ECN | FasTrax SEF ACTIVATION i-COMM | | |
| | | ICOM8 RITE-HITE DOORS INC. | FNISH DATE (SSUED | 007 B FasTraxFasTrax FR | 1 X | A |
| | | | | | | |

FASTRAX[™]

230/460V - ELECTRICAL WIRING DIAGRAM



575V - ELECTRICAL WIRING DIAGRAM ပ RITE-HITE DOORS INC. 7822E012 ≊ ↑ OPTIONAL CHAIN FALL RELAY WIRING Ā C RUM FWD C RUM FRD C RUM FRD C MPUT 1 - APR SPEET ALLEN-BRADLEY INVERTER TO NPUT 3- CLS SPEE RELAY - TORQUE RELAY COM OPTO COM **NVERTER** 17 OPTO OUT 1 AI MCRI A2 11 +24VDC 01 STOP WIRING DIAGRAM ſ MOTOR MOTOR NV COM **IOTOR** TO FASTING 5 ATD NEW ERANCE RELAY 4 \leq \sim ^{040 N0} 7 822E012 MM-DD. 5288 3/9/2007 RPB VB NWV 0 0.1.25 0.006 0.15 0.109 0.112 0.15 0.100 0 0.15 0.100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.23 0.0100 0 1.24 0.0100 0 1.25 0.0100 0 1.24 \square OMIT JUMPER FOR NON-POWERED OPEN OPTION RED OPEN - OMIT JUMPER FOR NON-POWE OPTION ŝ ന JP1-JUMPER 2-3 USE SHUNTS PROVIDED THIS DRAWING COVERS DOORS CONFIGURED AFTER 3-1-2007 AC-24V AC HHEUTRAL HHEUTRAL B1-BREAGAWAY B2-BREAGAWAY K3H-X3 COMMON K3H-X3 COMMON K3H-X3 COMMON 3-VIRTUAL VISIO VERFORMED ROMENT REF. SP COLORED ROMENT PRICK N/A MCR1 CHAIN FALL DISCONNECT $\triangleleft | \triangleleft$ 1,1,1,1,1,1,1 0000 4 4 +24V 3 DC DC DC BA BA BA BA BA POWER SUPPLY PS1 ro acesse - H3 220/ - H2 208/ N TRANSFORMER HH 460/ WHT 18 GA BLK 14 GA BLK 14 GA BLK 14 GA GM/YE BLK 18 GA OWITE K10-PHOTOEYE X9-UNUSED X8-UNUSED CENCLED CONCEPTION CONCEPTIO Ē. <u></u> ß SWD ISCONNEC ß 8 GV złłł NOTAVITON HT 18 GA b/M 96789933 -||-BLK 14 GA BLK 14 GA BLK 14 GA 2 + NDUCTION LOOP CARD 8 7 6 5 4 3 PREANNOUNCE BRAKE OUTPUT BRK MOTOR V MOTOR W W EARTH GROUND GND z z - $\frac{1}{12} \frac{1}{100} \frac{1}{$ GMME GND Ś Ś NOTES: ALL WRES ARE 18 AWG BLUE, UNLESS OTHERWISE MARKE MARES ARE BLUE. ALL 24VDC CONTROL WRES ARE BLUE. ALL 24VAC WRES ARE RED. ALL ACK WRES ARE WHITE. \triangleleft EARTH GROUND LINE VOLTAGE LINE VOLTAGE LINE VOLTAGE MOTOR MOTOR AC NEUTRAL WARNING: ALL BLACK WIRES ARE AT POTENTIALLY LETHAL VOLTAGES. AC NEUTRAL OPENIRESET SWITCH TWIST GRAY BROWN 5 TWISTS/FT. MIN TOJE1 TOJE1 TOJE3 PB FAULT LAMP INCOMING POWER FROM END USER SUPPLIED DISCONNECT 70.15-6 REANNOUNCE OPTION

↓ ≌

20 AMP 15 AMP 10 AMP 1 AMP 2 AMP 1 AMP

220, 1Ø

206, 230 3.0

460 30 530

COLTROL BOX FUSING

14.5A

29-6A

92A 9.2A

17.3A

FASTRAX FR IN TRAMSRAMER REDUNCS ADDING ADDING 20 AMP SERVICE HAX HK RMSPORIER FVICE =1/2/3

400,358 460,360 TABLE OF CONTROL BOX JLL LOAD AMP REQUIREMENTS

220.10 203-230 4

54A 5.4A

5.4A 5.4A

104

104 20V

ģ 404 33M

SQA

NOT TRANSPORTER TRANSPORTER TRANSPORTER AND TRANSPORTER TRANSFORTER TRANSPORTER

3

OPTIONAL TRANSFORMER SETTING LINE VOLTAGE TAPS

H-H4

220-240 440-480

ABLE OF RECOMMENDED

H1-H3 H1-H2

¥ BT8

THIS TRALE SHOWS THE FLUNCTRON OF EACH OF THE CONNECTORS ON THE UNIVERSAL CONTROLLER. THE VOLTAGES LISTED FOR EACH PIN ASSUME THAT EITHER THE INPUT OR OUTPUT IS ACTIVATED.

CONNECTOR TABLE

1/2 AMP

100-575

£8 F4/5

208, 220, 230

6 AMP

VOLTAGE 0 VDC 24 VDC 24 VDC

FUNCTION

FLASHING LAMP OUT

CONN, PIN# 1 J3 2 3

24 VDC 24 VAC 24 VDC

24V AC COMMON (N) INVERTER COMMON

NVERTER OUTPUT (K0)

LOOP INPUT 2 DC POWER OUT

LOOP INPUT

INVERTER OUTPUT (K1

0 VDC 24 VAC

DC COMMON INPUT DC POWER INPUT

24V AC INPUT

≍,

HZONE ALARIA DC POWER OUT RESET INPUT (X12) UNUSED

24 VDC 24 VDC

DC POWER OUT LOOP INPUT (X13)

o + 10 w

s

DC COMMON OL

24 VDC 24 VDC

2

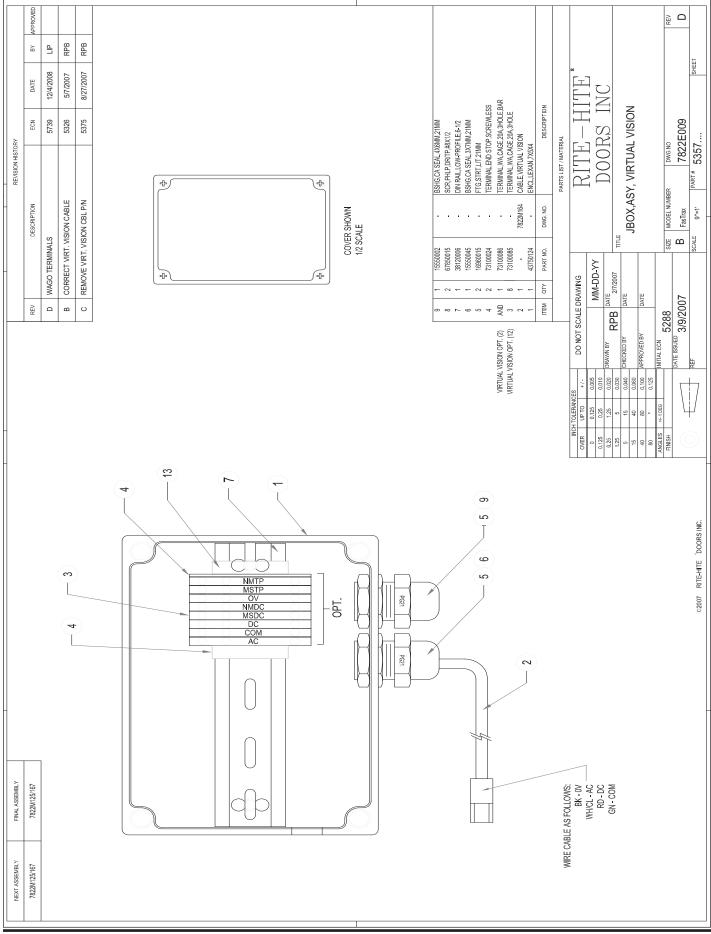
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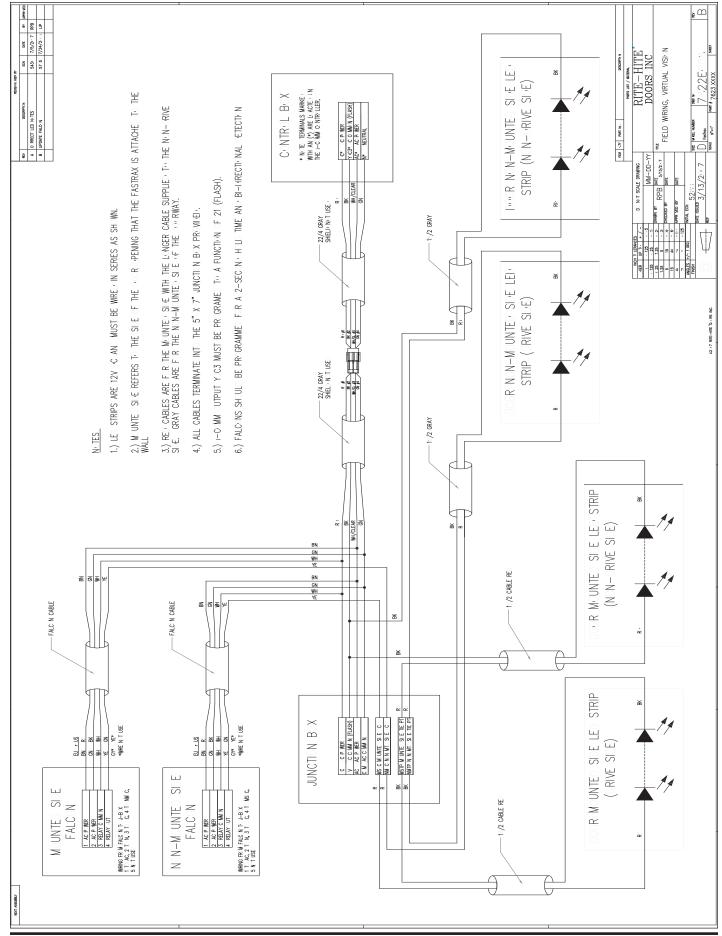
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FASTRAX[™]

VIRTUAL VISION JUNCTION BOX



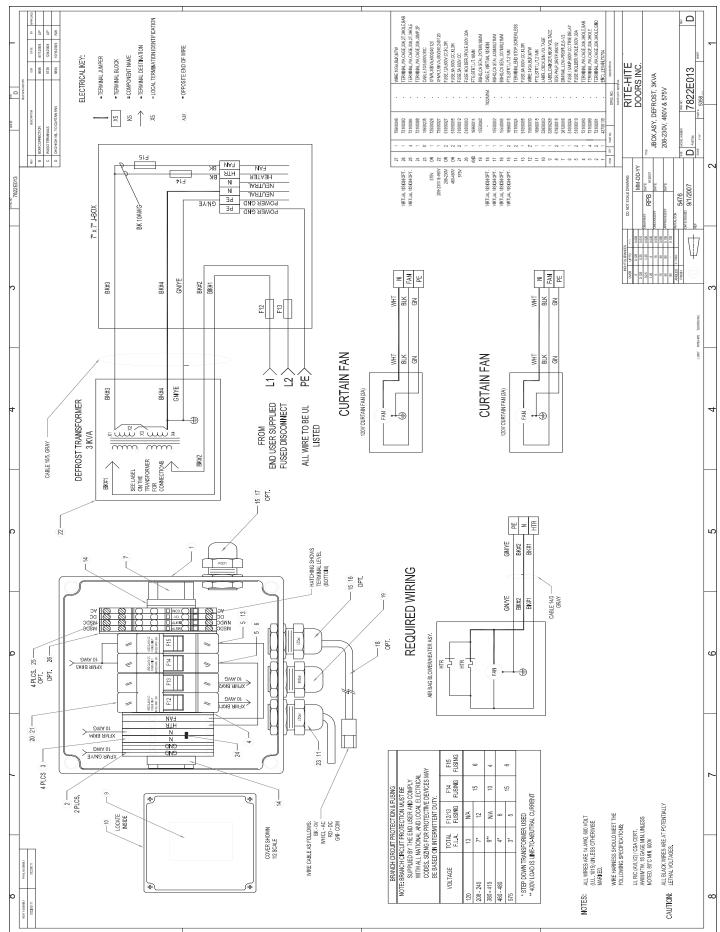
VIRTUAL VISION ELECTRICAL WIRING



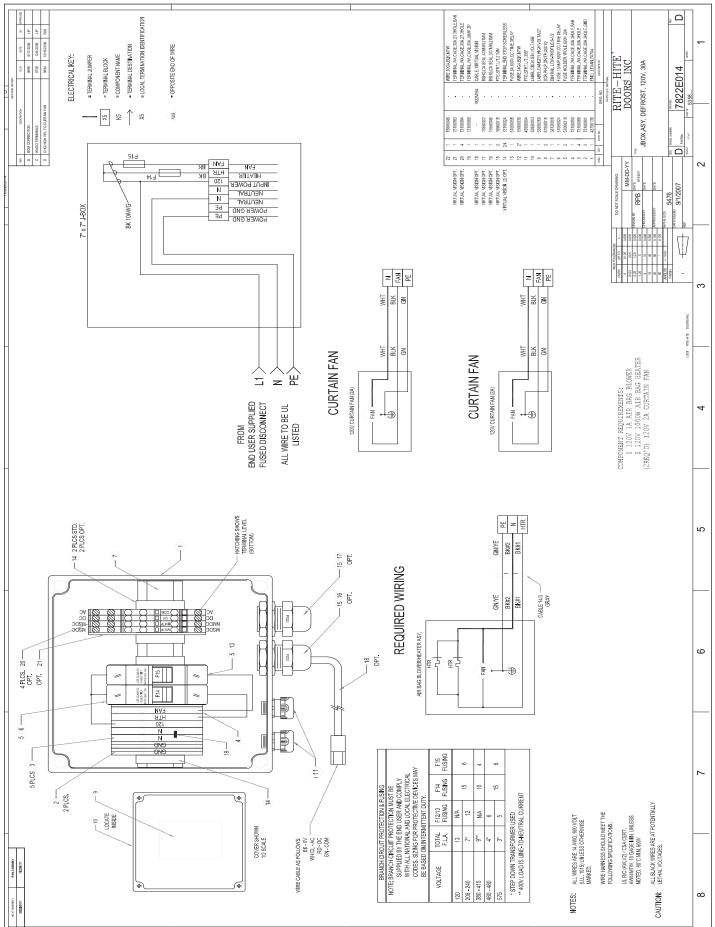
FASTRAX[™]

FASTRAX™

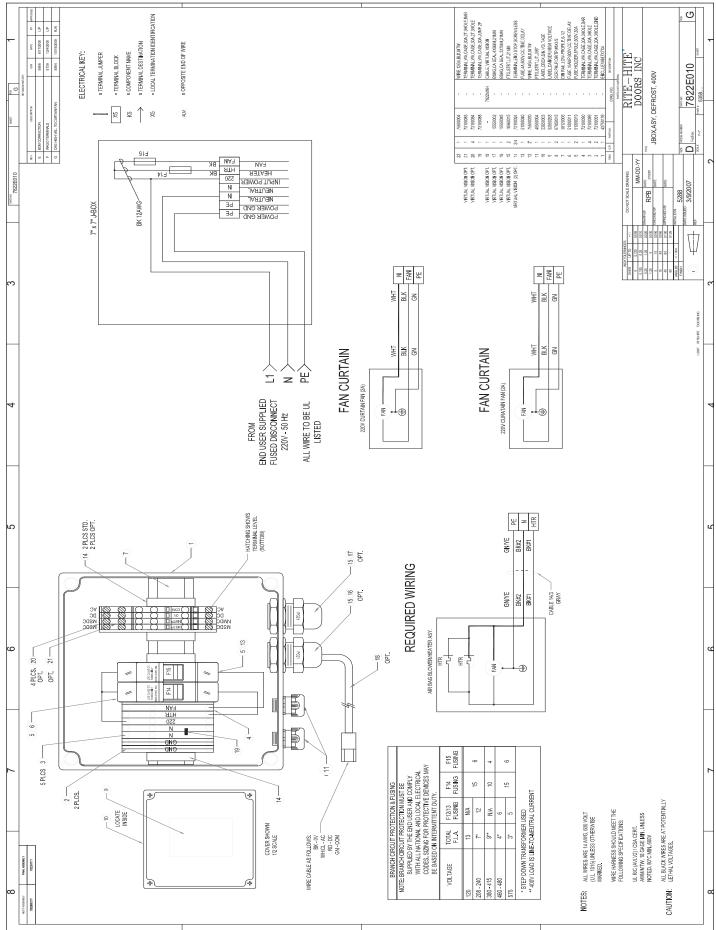
DEFROST JUNCTION BOX WIRING 208/230/460/575V



DEFROST JUNCTION BOX WIRING 120V



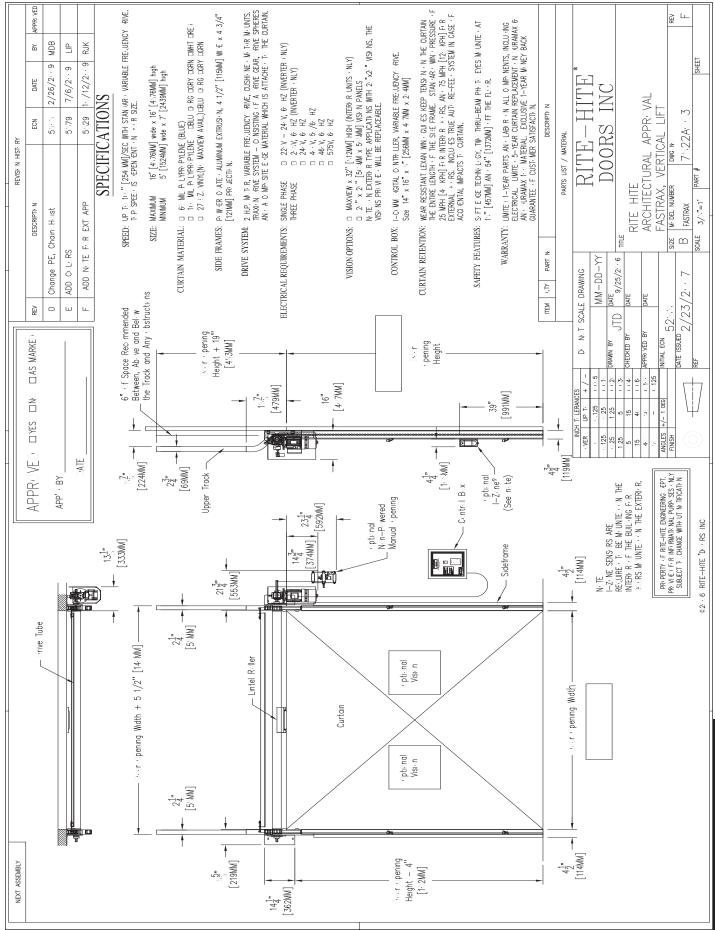
DEFROST JUNCTION BOX WIRING 400V



RADIAL ARCHITECTURAL DRAWING

| REVISI: N. HIST: RY | ECN DATE BY APPR: VED | P. 5529 10/12/2009 RJK | 5.08 2/26/2009 MDB | 5579 7/6/2009 LIP | SPECIFICATIONS 1:-** [254 MM]/SEC MTH STAN 3/R* VARIABLE FRE-UENCY T-P SPEE - IS "EFEN ENT - N :: >- R STE. | <pre>4 16' [4:76MM] wide x 16' [4:76MM] high 5' [1524MM] wide x 7' [2439MM] high</pre> | 6: MIL P. LYPR: PYLENE (BLUE) 10: MIL P. LYPR: PYLENE (BLUE) D. RC DGRY DGRN DMHT DRE: 27 - Z. VINY (N: MAXVEW AVAIL.) DBLU D. RC DGRY DGRN 27 - Z. VINY (N: MAXVEW AVAIL.) DBLU D. RC DGRY DGRN | P: W. F.R. C. ATE : ALUMINUM EXTRUSI: N. 4 1/2" [115MM] WI E x 4 3/4" [121MM] PRI JECTI: N. | 2 H.P. M. T.R. VARNABLE FRE-ULENCY RRVE, CUSHINE M. M. UNTS. TRAXIN N. RRVE SYSTEM – C. NSISTING F.F. A. RRVE. GEAR, RVVE SPHERES AN A C. M.P. SITE E. GE MATERIAL WHICH IS ATTACHE: T. THE CURTAIN. | PHASE 22 V - 24 V, 6: HZ (INVERTER • NLY) PHASE 22 V, 6: HZ (INVERTER • NLY) 24 V, 6: HZ 24 V, 6: HZ 25 V, 6: HZ 575V, 6: HZ | D MAXVIEW × 32" [:12MM] HIGH (INTER'R UNITS · NLY) D 2. * × 2." [5: MM × 5. MM] VISI N PAKELS N: TE · N EXTER'R TYPE APPLICATI'N SI WITH 2. * × 2." VISI: NS, THE VISI: NS FR: W E: WILL BE REPLACEABLE. VISI: NS PR: W E: • WILL BE REPLACEABLE. | 3J2L 14 X 10 X 1 [200MM X 4' YMM X 2' 4MM] WEAR RESSTANT LEXAN MN - GUI ES KEEP TENSIN N - N THE CURTAIN THE ENTIRE LENGTH - F THE SI E REAME. STAN -AR - MN - PRESSURE - F 25 MPH [4, KPH] F.R. NITER R - D - KS, AN - 75 MPH [12, KPH] F.R. EXTERNAL - N- SS. NULL 9'S THUE ANT RE-FEE - SOCETH M - DARE - E ACOM-ENTAL MADAGES - CONTAIN- | Si FT E-OE TECHNILLE OY, THRU-BEAM PH-TH EYES M-UNTE- AT 1:2" (4571MM) AND 44" [1372MM] FFT THE FLO-R. | LIMITE: 1-YEAR PARTS AN : LAB: R: N ALL C. MP. NENTS, INCLU :NG ELECTRICAL. LIMITE: 5-YEAR. CURTAIN REPLACEMENT : N. URAMAX 6: AN : URAMAX 1:: MATERIAL. EXCLUSIVE 1-YEAR. M. NEY BACK GUARANTEE : F. CUST: MER SATISFACTI: N. | DESCRIPTI: N | RITE-HITE* DOORS_INC | : TURAL APPR©VAL RADIAL 75224011 G | SHEET |
|---------------------|--|-------------------------------|--------------------------|---------------------------------------|---|--|---|---|--|---|--|---|---|--|--------------------|---|--|-------------------------------|
| | CAS MARKE) REV DESCRIPTI: N | G ADD VISION NOTE FOR EXT APP | E Change PE, Chain Huist | F ADD COLORS | SPEED: UP Tr 1 RIVE. T | [115MM] (Add 6 1/2" [165MM] SIZE: MAXNUM Shr.ud [f.r.Hander Shr.ud] | CURTAIN MATERIAL: | SIDE FRAMES: P-W-ER 3/4" [1] | DRIVE SYSTEM: | ELECTRICAL REQUIREMENTS: SINGLE PHASE THREE PHASE | VISION OPTIONS: MAXY NISION OPTIONS: MAXY NISION OPTIONS: NISION OPTIONS: N | CURTAIN RETENTION: CURTAIN RETENTION: | W] SAFETY FEATURES: | WARRANTY: LIMITE - ELECTRICE - 6. AN : GUARAN | TTEM INTY PART NO. | ALE DRAWING MM-DD-YY DATE | OHECKED BY JIIU 9/25/2-06 TITE APPR-VED BY DATE DATE ARCHITECTURAL APPR-VED BY DATE FASTRAX, RADIAL DATE 52::- B FASTRAX | 7 20/ 2007 - 1100000 - 110000 |
| | APPROVED DYES DNO DA | App' RY | | AIE | | | Radial Header | | | [374 | , pti: nal Nanuci - pening | | C. ntr. B. x ¹ pth ndl 39" _Z. ne? 4 [991M - Sideframe (See n. te) 4 | | [114MM] [114MM] | W TE I-Z. NE SENS: RS ARE RE. (URE? F. BE M. UNTE: ~ N THE NTER!. R. F THE BULL 3NG F. R | 125 5 1.13 5 15 1.13 15 41 1.14 4 21 1.14 MALES 4/-1 100 FINSH | Dordes INC. |
| ALEGNAC , FOT | PURP. SES . NLY | | | 13, ¹ | | | | Spreader Bar | Lintel Riller | Curtan | nal (pti: nal Vis: n | |) / | Athentic Concernence of a second seco | | N. TE I-Z. NE RE, UIRE NTER: F | DIM TA DIM B" [3048MM] 24.5" [623MM] 26.5" [674MM] [3657MM] 28.5" [724MM] 26.5" [674MM] [4267MM] 28.5" [724MM] 26.5" [674MM] [476MM] 28.5" [724MM] 30" [762MM] | C2006 RITE-HITE DOURS INC |
| NEXT ASSEMBLY | PR: N.E. F. R. R. N.E. R. MADIL MAL PURP. SES - NLY SIR. F.C.T. T. CHANST WITH J.T. DURP. SES - NLY | | ·2* | · · · · · · · · · · · · · · · · · · · | | | | - Spr | | | Pering Vision | Height - 4 [1: 2MM] | • | | [114MM] | | DOOR OPENING HEIGHT 8'0" [2439MM] ≤ DOH ≤ 10'0" [30 8'0" [3048MM] < DOH ≤ 12'0" [36 | |

VERTICAL ARCHITECTURAL DRAWING

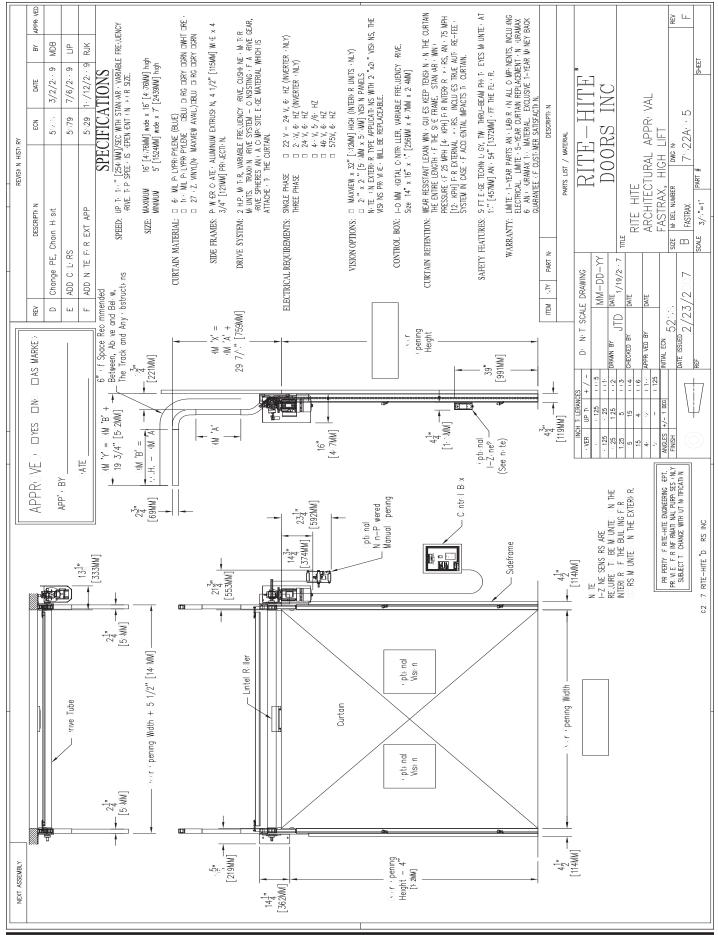


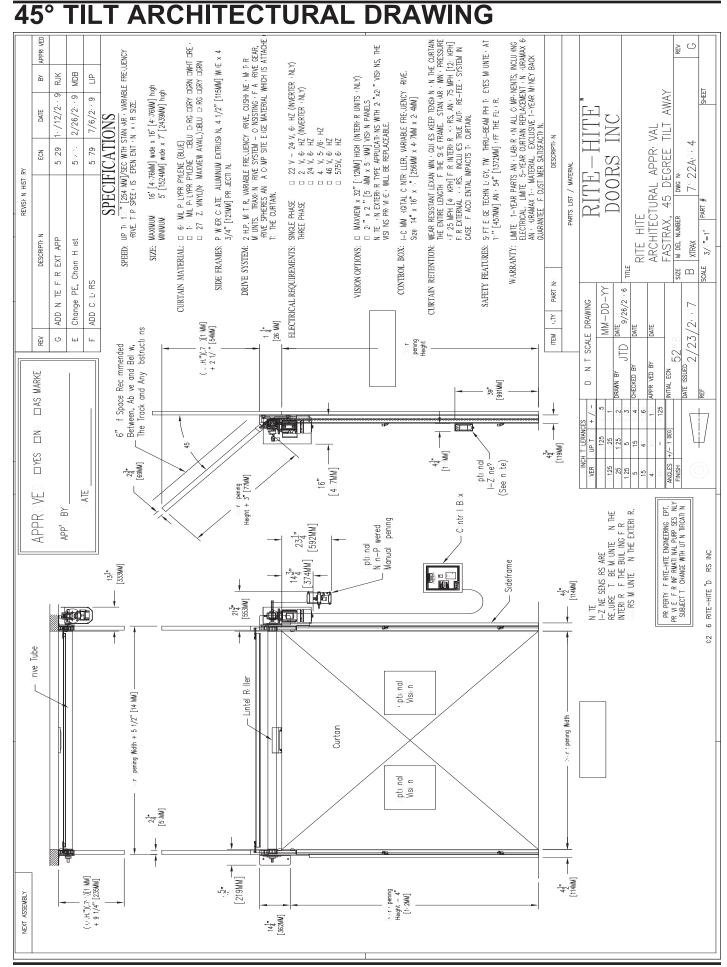
Architectural Drawings

STANDARD LIFT ARCHITECTURAL DRAWING

| NEXT ASSEMBLY | | - | | L I REVISI- N HIST- RY | | |
|----------------------------------|--|---|----------------------------------|---|--|--|
| | — Drive Tuhe | | | | Lon Carte | |
| | | | Change DF Cha | 2 | N UMIE | |
| | | APP' BY: | unange rt. | | ر z / 20/ 2 ت | ULB I |
| | | 6 | E ADD CULRS | 5 | 5879 7/6/209 | LIP |
| 1 | | | F ADD NUTE FUR EXT | APP | 5=29 10/12/209 | RJK |
| Dorn (penning Heicht + 16" | [3333MM] [3333MM] | | SPERD | | FIONS H stan ar variari e ere uiency | RELIENCY |
| | | | | ORIVE. TOP SPEED IS DEPENDENT ON DOOR SIZE | IT ON DOOR SIZE. | |
| 2 ⁴ | 2 ¹ / ₄ Upper Track | | SIZE: | MAXIMUM MINIMUM | 16' [4:76MM] wide × 15' [4:76MM] high 5' [1524MM] wide × 7' [2439MM] high | |
| | | 6" | CURTAIN MATERIAL: | I G MIL P. LYPR: PYLENE (BLUE) I 11: MIL P. LYPR: PYLENE GBLU D. RC GGRY GGRN GMHT 27: J. VINYL(N: MAXVIEW AVAIL.)DBLU D. RC GGRY GGRN 27: J. VINYL(N: MAXVIEW AVAIL.)DBLU D. RC GGRY GGRN | UE) CBLU – RC OCRY OCRN OWHT ORE: VVAIL)OBLU – RC OCRY OGRN | OWHT ORE: OGRN |
| | 21 ³ / ₄ | 3" [75MM] | SIDE FRAMES: | : P. W. ER. O. ATE., ALUMINUM. EXTRUSI: N., 4.1/2" [115MM] W. E. x. 4. 3.44" [121MM] PR. JECHI-N. | RUSI-N, 4 1/2" [115MM] | WDE x 4 |
| | Lintel R lier | 14 ⁵ | DRIVE SYSTEM: | 2 P. P., M. T. R. VARIABLE FRE. UENCY RIVE. CUSHI-NE M. T. R. M. UNTS. TRAXEN. APINE SYSTEM. – C. NSISTING: F. A. RIVE. GEAR, RIVE SPHERES AN A. C. MP. SITE E-GE MATERIAL MHOH IS ATTACHE. T. THE CURTAIN. | ency orive, cushi-neo em - consisting of a ite eoge Material Which | M. T. R. RIVE GEAR, H IS ATTACHED |
| | [374MM] [59] | | ELECTRICAL REQUIREMENTS: | Sincle Phase | 22 V – 24 V, 6 HZ (NVERTER NLY) 2 · V, 6 HZ (NVERTER NLY) 24 V, 6 HZ 4 V, 5 /6 HZ 4 V, 5 /6 HZ 575V, 6 HZ 575V, 6 HZ | NLY) |
| | pti nal | eied Aeinno | SNOIL40 NOISIA | □ MAXNEW x 32" [12MM] HIGH (INTER IR UNITS NLY) □ 2." x 2." [5 · MM x 5 · MM] VISI IN PANELS · TTE : N. EXTERI R. TPPE APPLOATI, NS WITH 2: "x2." VISI NS, THE VISI NS PR: M.E. WILL BE REPLACEABLE. | sh (INTERICR UNITS ONL) I] VISION PANELS ICATIONS WITH 20"x20" - -ACEABLE. | ISI NS, THE |
| Dor pening Height -4" (Vision | pti nal Visi: n | | CONTROL BOX: | : I-C MM FIGITAL C NTR LIER, VARIABLE FRE UENCY Size 14" x 16" x 5" [256MM x 4 7MM x 2 4MM] | | RIVE. |
| | | c ntrol Box | CURTAIN RETENTION: | I: WEAR RESISTANT LEXAN WN GUI ES KEEP TENSIN N THE CURTANN THE ENTIRE LENGTH +F THE SI E FRAME. STAN AR WN PRESSURE F 26 MPH (44: WF) F A NUTERY + 6K3, AN 75 MPH (12: KPH) F R E KTERNAL - P.S. NOLU ES THUE WIT RE-FEE SYSTEM N CASE : F ACCI ENTAL MPACTS T. OUTTANN | uji es keep tension on E Frame. Stan Aro M Ricroores, Ano 75 Me Es True Auto re-Feed To curtain. | The curtain N° pressure H [12: Kph] System In |
| • | | | SAFETY FEATURES. | : SIFT E. GETECHN LLOCY, TWO THRU-BEAM PH. T. EYES M. UNTER AT 1.27 [457MM] AN 547 [1372MM] FFTHE FLOCR. | hru-beam photo eyes] off the floor, | MOUNTED AT |
| | Sideframe | | WARRANTY: | 1: LIMITE · 1-YEAR PARTS AN LAB R. N ALL C. MP NENTS, INCU :: MC ELECTRICAL, LIMITE · 5-YEAR CURTAN REPLACEMENT N. URAMAX 6- AN URAMAX 1: MARTEALL : EXCURTAN REPLACEMENT N. URAMAX 6- CURAMITE · F. CUSTS, JURY CANESACTI, N. | Bor on All Component Surtain Replacement Exclusive 1-Year Mon Sfaction | 5, Incluaing V Euramax 6: Cy Back |
| | | 4 40% | ITEM STY PART N. | DESC | DESCRIPTION | |
| 42 | → ⁴ Ž ⁻ [114MM] | | | PARTS LIST / MATERIAL | | |
| , , | N TE N TE SENS RS ARE P F IIRF T DE M I | WORT UP T +/ D N VER UP T +/ - D N 125 125 0.01 - N - - - - - - N - - - - - - - - - - - - | NLE DRAWING | RITE- DOORS | HITE INC. | |
| | NET AND | 1 25 5 0.35 5 0.45 CHECKED BY 15 4 16 16 17 4 16 16 17 16 17 16 <th16< th=""> <th16< th=""> <t< td=""><td>UID 9/25/2.06 TITLE DATE DATE</td><td>RITE HITE ARCHITECTURAL APPROVAL</td><td>Roval</td><td></td></t<></th16<></th16<> | UID 9/25/2.06 TITLE DATE DATE | RITE HITE ARCHITECTURAL APPROVAL | Roval | |
| | PR PERTY F RITE-HITE ENGNEERING. EPT. PR M E F R MF MAATI NML PURP SES NUY SUBJECT T. CHANGE WITH UT N. TIFICATI N | 80 - 0.125 ANGLES +/- 1 DEG INITAL ECN FINISH DATE ISSUED | 5288 size W 2/23/2007 B F | FASTRAX, STANDARD L Medel number Fastrax For the content of the co | LIFT 0.2 | LL KE |
| - | C2006 RITE-HITE DOURS INC | | SCALE | PART # | SHEET | |

HIGH LIFT ARCHITECTURAL DRAWING





FR VERTICAL ARCHITECTURAL DRAWING

| REVISION HIST RV | APPROVED DAS MARKEN REV DESCRIPTION ECN DATE BY APPRIVED | ADD L CATH N I F HTR/BLWR 5:12 6/4/2:9 RJK | C Change PE, Change He ist, Add Bit w 5:0:0 3/4/2::0 MDB | 173* SPECIFICATIONS [441M] 113* 6" · f Space Rec mmended SPEED: UP Tr 1 [254 MIJ/SEC WITH STAN JAR. VARIABLE FRE.UENCY :RIVE. | The Track and Any · bstructi· ns SIZE. | 2 ³ CURTAIN MATERIAL: INSUMAX - 1" [26MM] (F P-LYESTER INSULATI: N PLACE · BETWEEN IN. LAYERS - F 27 (2. URETHANE IST - BLUE | | All All DRIVE SYSTEM: 2 HP. M. T. R., VARABLE FRE-LUENCY - RVE, CUSH- ME. MT. R. M. UNTS. Curtoin Fon Erays. N. RVE SYSTEM: 2 HP. M. T. R., VARABLE FRE-LUENCY - RVE, CUSH- ME. MT. R. W. UNTS. J-B. X J-B. X | ELECTRICAL REQUIREMENTS: SINGLE PHASE | | [4: 7MM] - [2: VAC, D. F 12: VAC, D. | _ i pti- nol N-n −P- verd Morial CoNTROL BOX: I−C- MM -40TAL C. NTR-1LER, VARIABLE FRE, UENCY -RIVE. Size 14" × 16" × :="[256M × 4-7MM × 2-4MM] | | WARRANTY: UMITE: 1-YEAR PARTS AN : LAB: R. :N ALL C. MP. NENTS, INCU :NG ELECTROAL: EXCUSIVE 1-YEAR M. NEY BACK CUARANTEE (F CUSI-MER SATISFACT-N. | The provided in the provided in the second secon | 4 ² / ₄ 1 DESCRIPTIN DESCRIPTIN | Image: Image and the second | ··VER UP Tr + / - D' N' I Scale Drowning · | I.1.5 JTD I/25/27 mL I.1.6 CHECKED BY DATE RITE HITE | 528 | BLECT TE CHANGE WITH UT IN-TRECKIEN |
|------------------|--|--|--|---|--|--|--|---|---------------------------------------|-------------------|--|--|--|--|---|---|---|--|--|-----|-------------------------------------|
| NEXT ASSEMBLY | | /rube | | V | → → → → → → → → → → → → → → → → → → → | $ \begin{bmatrix} 2\frac{1}{4} \\ [5:MM] \end{bmatrix}$ $\begin{bmatrix} 2\cdot MM \\ [5:MM] \end{bmatrix}$ $\begin{bmatrix} - \\ - \end{bmatrix}$ | $12\frac{7}{1327}$ $12\frac{7}{14}$ Thermal Air Seal BI wer $52\frac{1}{2}$ 1327 1234 Mi unting Li cati n $12\frac{52\frac{3}{4}}{124\frac{3}{4}}$ | | | Insulated Curtain | | Per Der | Let the penning th | | | Thermal Air Carl | Opening Width | | | | |

FR STANDARD ARCHITECTURAL DRAWING

| | | | | | - | | | | | | | | | | | 1 | | | | | | | | 1 | | |
|----------------|-----------------|-------------|------------------|----------------------------------|-----------------------------|---|--|---|-------------------------|---|--|-----------------|--------------------------|-----------------------------|--|--|--|--|---|---|------------------|--|-----------------|---------------------------|--|---|
| | APPR-VED | | | | DVL TOD | | | ୍ମ | | 4 | VTS. Eres and | | | | [MM] | | N THE SYSTEM | 10 " | /ER | oor Surtain. Vir on | | | | | REV | ш |
| | BY | RJK | RJK | MDB | | VENUE | | BETWEEN | • | ѓх 4−5 | TUR MUUN RIVE SPHE | | | | M] × 11"[| | e curtai) Re-Feed | UNTED: AT | INCLUDING | ERS OF ON THE OF DIA THE OF ON THE OF OUT STORE | | | | | | ta l |
| | DATE | 6/4/209 | 1_/13/2_9 | 3/2/209 | ADI E EDE. | ADLE FNE | high dg | N PLACE | | W [WWG11 | E GEAR, D | | | | .) 9"[229 | CY DRIVE, | on on th Rue auto | EYES M | P. NENTS, ARANTEE | PER CORN SUVERAGE WALL AN F DOR M | | e | <u>,</u> HTE | · . | \L LIFT | SHEET |
| | | | | | S S No | | [4:76MM] 2439MM] H | INSULATI | 1107 | 4 1/2 | RIVE, CUSI | A H7 | 1 | |)/6°HZ 2B∘XViLI | E FREQUEN X X 204MM | eep tensi Cludes tr Urtain. | eam phot Tear. | ALL COMF BACK GU | IN THE UP VIR FLOW (DE OF THE VRIVESS O | DESCRIPTI | | ΠH | | रेVAL RD LI | 9 |
| Γ.RY | ECN | 5012 | 5.94 | 5808 | VOITA | R SIZE. | wide x 16' ide x 7' [| ∿LYESTER E. | | XIRUSI-N | CUENCY D NSISTING | - 24-V. 6. H7 | فف | 5. /6. HZ 6. HZ 6. HZ | PHASE, 5- MATCH | , VARIABLE 1 × 4.7MN | CULLES H FRAME, IN ACTS TO C | O THRU-BI | Labor on Ar Money | , N°UNT MAXIMUM / NARMER SI TAIN, REG | DESCR | ATERIAL | | N N N | AL APPROVI STANDARD | 7=22A=6 |
| REVISI: N HIST | | | | اw | SPECIFICATIONS | NT ON DEC | 1. [3.4.MM] wide × 16 [4.76MM] high 5 [1524MM] wide × 7 [2439MM] high | 6MM] OF F URETHAN | 141111 | LUMINUM E | STEM - C | - minimum | 24 < 24 < | □ 4 \. □ 46 □ 575V, | , single scriter (t | NTROLLER | EXAN WIN THE SIDE ENTAL IMP. | ⊔.67, Т₩ [1372ММ] | arts and Isive 1–Ye | s provide A to get I on the The cur | | PARTS LIST / MATERIAL | RITE | CHUURS | TURAL A | PART # |
| - 32 | N | /BLWR | | t, Add E | SPE | UP TO THE FROM THE STAN AND ANNAUTH FROM ONNEL THE STANDED THE SPEED IS DEPENDENT ON THE SPEED IS UPPENDED. | | - 21 | - BLUE | P:W.eck.C:Alle:∕ALUMINUM EXIRUSI·N, 4.1/2 [119MM] W.e. x. 4–5/4. [121MM] PR:⊍ECTI:N. | 2 H.P. M. T.R., VARIABLE F.RE. (JENCY AVE, CUSH) M.E. M. T.R. M. UNTS. TRAM: N. ARVE SYSTEM – O. NSISTING : F. A. RIVE GEAR, RIVE SPHERES AN) A. O. MA STRF F.G. MATTRAM, WHICH IS ATTACHE, T. T. H.F. CURTAM | PHASE | HASE | | D ST 12. VAC, SINGLE PHASE, 5. /6. HZ D .PT TRANSF RMER (T. MATCH CB-X W.LT.) 9"[229MM] x 11"[279MM] | I-C.MM HOTAL C.NTR.LLER, VARIABLE FRE-UENCY PRIVE SIZE 14" × 16" × 5" [256MM × 4:7MM × 2:4MM] | Wear resistant lexan wn 4 gui-es keep tensi. N 'n the ourtan the Bnthee length if the Si-e feame, inclu-es thue aut? Re-Fee' system N case if acciental mpacts to curtain. | s et elloe technillulocy, two thru-beam photo eves Mounter at 15" [457Mk] an 54" [1372Mk] of the fluid. | LIMITE: 1-YEAR PARTS AN - LAB'R - N ALL C. MP. NENTS, INCLUI-ING ELECTRICAL. EXCLUSIVE 1-YEAR M. NEY BACK GUARANTEE : F CUST-MER SATISFACT-N. | TW. CURTAN FANS PR. VI. E. I. WINT IN THE UPPER O. RNERS (F. S. I.R. FENNIG, AM THEM T. GET MXXNUM AIR FLW. O. VERAGE. IN THE CURTAN FANS MUST M. UNT IN THE WARMER SI E. F. THE MALL AN (BL: 4M AIR IN THE WARM SI E. F. THE CURTAN, REGARALESS (F) R, MUNT SI (E. THE WARM SI E. F. THE CURTAN, REGARALESS (F) R, MUNT SI (E. | | PARTS | | HIL | ARCHITECTURAL APPROVAL FASTRAX FR, STANDARD L 144 del number - Tomg n | FASTRAX FR 3/:"=1' PA |
| | DESCRIPTI: N | ○F HTR/BLWR | ANS | Change PE, Chain Huist, Add Bluw | | | : Maximum: Minimum | | | | | | THREE PHASE | | | | | | | | | | | RITF RITF | | |
| | | LCATION | ADD CURTAIN FANS | PE, Ch | speen. | | SIZE: | CURTAIN MATERIAL: | | side frames: | DRIVE SYSTEM: | | KEMENIS | | THERMAL-AIR SEAL: | CONTROL BOX: | CURTAIN RETENTION: | SAFETY FEATURES: | WARRANTY: | CURTAIN FANS: | PART No. | | × | | SIZI | B |
| | | ADD L | ADD CI | Change | | | | JRTAIN M | | SIDE | DRIVE | шота н | AL KEQUI | | HERMAL- | CONT | RTAIN RE | SAFETY F | W/ | CURT | μ | | SCALE DRAWING | DATE 1/24/2007 DATE | DATE | /2007 |
| | REV | Ω | ш | 0 | | | | ŭ | | | 145 | [372MM] | ELECTRICAL REQUIREMENTS: | | E | | | | | | ITEM | | SCALE | UTD A | 5285 | 2/23/ |
| | (ARKE) | | | | | | | ded .w ructions | | | - | | ч | | | | Door Opening Heidht | | | - F | | | Do Not | DRAWN BY | APPRUVED BY | E ISSUED |
| | das Marke | | | | | | | and Bel | 1000 (int | [75MM] | | - | | | | | | | | 39" [991MM] | | | S + / - 5 | 3 DR | 0 10 AP | |
| | П П | | | | | | | 6" of Space Recommended Between, Above and Below The Track And Any obstructions | 200 | Ę | | | | | - | 0000000000 | 000000000000000000000000000000000000000 | | | 00000000000000000000000000000000000000 | | [WV | 입법 이 일 | - 23 5 15 15 | | ļΨ |
| - | o YES | | | | | | | 6" f Betwee The Tr | 2 | | | | | 16" 16" | [40/MM] | | | $4\frac{1}{4}$ " [10-MM] | - | | 43" 44" | 5 | OVER OVER | 25 25 5 1 25 | ANGLES + | 0 |
| - | OVED | × | | | | | | | _ | - | | | | | | cit. | TMC | | | PZ-I | | L | | | | 2 |
| | APPROVE | APP'- BY |) - - | | | | | | | Slwr/ | | | <u>93</u>]" | 4 [592MM] | ⊂ptional Non-Powered | Manual Opening | rmer | | Centrel Bex | | | | | | NEERING 2E | I N. TIFICATI |
| | | | | | | | | | | Air Seal Blwr/ | J-Box | | 143. | [J/4MM] | ⊂ptinal Non-Pow | Manual | Transformer | | | Ð | | | | | E-HITE ENG | RS INC |
| | | | | | _ | | | | ł | Ļ | | | | 1.05 | | ¢ | | | | - Sideframe | 1 | | [MM222] | | PR: PERTY : F. RITE-HITE. ENGINEERING. SEPT. PR: M. E. F. R. INF. RAATI. MAL PUBP. SES : MLY. | SUBJECT TO CHANGE WITH RITE-HITE DOORS INC |
| | | | | | | + | | + | $25\frac{3}{4}$ | [655MM] | | | <u></u> | | | 98 | | | | 9# | | | | | PR: PE | C 2017 RITE- |
| | | | | 17 <u>3</u> " | [441MM] | 2 <u>4</u> " | [5 MM] | | 1 | | | | | | | | | | | | | 1 | | | | C.2 |
| ube | | | | | | | | 56MM] | $52\frac{1}{2}$ | 1334MM] | | | | | | | | | | | | | | | | |
| - Drive Tube | | | | | | | | cor Cpening Width + 14" [356MM] | | | ľ – | | | - UI | | | | | | | | g Width – | | | | |
| | $\left \right $ | | | | | | | ng Width | لے ا | | • | | | Insulated Curtain | | , | \times | | | | _ | oor Opening Width | | | | |
| | | | | | | | | or Openir | al Blower | ng Lecatier 23" | [5:6MM] | | | Insulat | / | | | | | | Thermal Air Seal | - <u>P</u> | | | | |
| | | | | | | | [w | 2 | Thermal Air Seal Blower | Mounting 2. | [2: | | | / | | | | | | | - Thermal | | | | | |
| | | | | | | - 2 <u>4</u> | [5°MM] | | Therm | | | | _ | / | | | | | | | | | | | | |
| | | T | | | | t | | <u> </u> | | - | י שינו ת | بور ا | Ċ | 3 | | | | | | ð <u>ə</u> | | ł | Гwv | | | |
| ЗМВГУ | | 1 | | ↓ ₆ | [14] | | | | r | 12 ⁴ " [327MM] | | Ð | þ† | - distance | Fan, Two Per Dor - | | ann 4, | | | | | یں اور | W777] | | | |
| NEXT ASSEMBLY | | - | | or Opening | Height + 15 7/5" [4:4MM] | | | | | | - | | | | ш Ц | | ⊡or Opening Height – 4" | 1: 2MM | | | | | | | | |
| | | | | Doc | 15 7 | | | | | | | 14 <u>4</u> " | 0 | | | | | | | | | | | | | |

FR HIGH LIFT ARCHITECTURAL DRAWING

| | _ | | | | 1 | - | | | | | | | | | | | | | | | | | er : | - | | | 1 | | |
|-----------------------|---|----------|-------------|------------------|--------------|--------|--|--------------------------------|--|---|-----------------------|---|-------------------|---|--------------------------|-------------------------|--|--------------------------|--|--|---|--|---|-------------|-----------------------|---|---|---|--|
| | ADDD://ED | | | | | | EQUENCY | | | INSULMAX - 1" [26MM] OF PULYESTER INSULATION PLACED BETWEEN | | WEE × 4 | / T R | rive gear, 'IS | | | | | نىر | Wear resstant lexan wing out es keep tensi-non the curtain The entire length if the Si e frame. Inclu es true auti- re-fee - system in gase if accidental mipacits to curtain. | S. FT. E. GE. TECHN. L. GY, TW. THRU-BEAM PH. T. EYES M. UNTE: AT 15." [457MM] AN 54." [1372MM] GF. THE FLUCR. | LIMITE 1-YEAR PARTS AN - LAB R N ALL C MP NENTS, INCLU-ING ELECTRICAL, EXOLUSIVE 1-YEAR M NEY BACK GUARANTEE · F CUST-MER SATISFACT-N. | 2 CURTAIN FANS PR. VI. E., M. UNT. IN THE UPPER C. RNERS, IF R. PENNOS, AM THEM T. GET MAXMUM AIR FL. W. C. VERAGE IN THE CURTAIN, FANS MUST W. UNT IN THE WARMER SI. E. F. THE WILL AN 'E. W. ARI. IN THE WARM SI. E. F. THE CURTAIN, REGAR-LESS F R. M. UNT SI. | | | | | REV | ш |
| | à | _ | 9 RJK | 9 RJK | 9 MDB | | Variable frequency Size. | M1 to t | Mj nign] high | TION PLACE | | [115MM] | JSHI NE V | ig of a dr Rial Which | | | | (11) | ENCY RIVE | NSI-N N N JES TRUE ACTS TO C | oto eyes M or. | MP_NENTS SUARANTEE | PER CURNE V CUVERAG SUE OF TH RTAIN, REG | | | 25 | | | SHEET |
| | DATE | 0 / 1 /0 | 6/4/2 | 10/14/20 | 3/4/20 | SNC | AN AR V | 102 E 40 704 | 10 [4=/0M 7' [2439MM | IER INSULA | | oN, 4 1/2′ | Y RIVE, CI | - Consistin Edge Matei | 7. 60 HZ | | 7H | , 5/6 HZ H CB_X V | BLE FREQU MM × 204A | s keep tei Rame. Inclu Iental Imp | -BEAM PH F THE FLO | UN ALL COVER | In the UP M air Flov E Warmer of the Cu | | | ITE NC | | | |
| | ECN | - | 5:12 | 5 94 1 | 5308 | TCATI | EC WTH S | | 1. [Jutwinde x 1b [4./oMM] nign 5' [1524MM] wide x 7' [2439MM] high | OF POLYES | UKE IHANE. | um extrus N. | FREQUENC | e system - composite ain. | 2. V - 24 V. 6 | 2 V, 6 HZ 24 V, 6 HZ | 4. V, 5./0. HZ 46.V, 6. HZ 575V, 6. HZ | IGLE PHASE R (To MATC | 56MM × 4.7 | MIND GUIDE THE SIDE FI DE OF ACCI | TW THRU 1372MM] F | and labor I-year Mui | eo, Mount Bet Maximu Unt on th Marm Side | DESCRIPTION | | Π | | HIGH LIFT | A 11 |
| I REVISION HISTORY | | | | | | SPECIF | 254 MM]/S PEED IS DE | ter Ezere | 5 [1524M | 1" [26MM] | UF 27 UZ. | PROJECTIC | , VARIABLE | axion orive es and a (the curt. | - - - | | | 20 VAC, SIN RANSFORME | AL CONTRO 6" x 0" [2! | ANT LEXAN ENGTH OF TEM IN CAS | ECHNOLOGY, AND 54" [| AR PARTS / EXCLUSIVE 1 (TISFACTION) | ANS PR-VID THEM TO (S MUST M R ON THE V SILF. | | PARTS LIST / MATERIAL | RITE- | | HIGH | 7822A |
| REVISI | | 4 | WR. | | Add Blow | | P TO 100" | 11 A VILLING | MINIMUM: | SULMAX - | VULATERS STL. – BI | P,W,ER o ates aluminum extrusion, 4.1/2" [115MM] w.e x.4.3/4" [121MM] PR:0ECTION. | H.P. MOTOF | Mountso Traxien Rive System – Consisting of A Orive Gear, Orive Spheres and A Composite Eoce Material Which IS Attached to The Curtain. | NGLE PHASE | THREE PHASE | | STD. – 11 OPT. – TI | I-C.MM IGTAL C.NTR.LLER, VARIABLE FRE.UENCY RIVE. Size 14" x 16" x .: [256MM x 4 7MM x 2 4MM] | ear resist. He entire l E-Feed sys | OFT EDGE T | MITED 1-YE ECTRICAL, I JSTEMER S/ | CURTAIN F. PENING. AIM JRTAIN. FAAN V. BLOW AI | | PARTS LIS | Πğ | RITE HITE Admittentidal Addreman | AX FR, | FR , Part # |
| | DESCRIPTION | | ∈F HTR/BLWR | ٨S | Chain Haist, | | SPEED: UP TO 100" [254 MM]/SEC WITH STAN AR VAR RIVE. TO P SPEED IS GEPEN ENT ON DOOR SIZE. | CI7E. 1/ | | TERIAL: IN | | SIDE FRAMES: P. 3, | | × č × | | Ė | | THERMAL AIR SEAL: | | | | WARRANTY: U | | | | | | FASTRAX | FASTRAX FR 3/~"=1' |
| | | | CATION | ADD CURTAIN FANS | ц | | | | | CURTAIN MATERIAL: | | SIDE FI | DRIVE SYSTEM: | | REOLIRE | | | ERMAL-AII | CONTROL BOX: | CURTAIN RETENTION: | SAFETY FEATURES: | WARI | CURTAIN FANS: | PART N. | | Ķ | 0.7 TITLE | SIZE | SCALE B |
| | | | ADD L | ADD CU | Change | , | imended I Below, | bstructi | | CUR | | | | = | ELECTRICAL REOLITREMENTS | | | HT | | CUR | SA | | | È | - | SCALE DRAWING MM-DD-YY | DATE | | /2007 |
| | DEV | | | ш | U | | Of Space Recommended ween, Above and Below, | The Track and Any Obstructions | | | - | | = ,×, = | ~ | | | | | | | 00 | pening Heigh | | TEM | | | | 528 | 2/23/ |
| | D AS MARKE | | | | | | 6" Of Space Recommended Between, Above and Below, | The Track | 11 <u>3</u> " | [296MM] | | | | NN'A' ∏ | | | | | | | | e⊥ - | - 39" | - | | D N | CHECKED BY | INITIAL ECN | DATE ISSUED REF |
| | | | | | | | | \rightarrow | = | [29 | | | | | | | | | | | | | | | _ | ES + / - - 5 - 10 | - 3 - 6 - 6 - 6 - 6 - 6 - 6 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 | 0.125 | $\sqrt{17}$ |
| | D YES DN | | | | | | - ,8, MI | [5_2MM] | <u> </u> | | | | | | | le | | [4°7MM] | | | 4 <u>1</u> * | | | 43 | -[119MM] | NCH T LERANC V UP T 125 125 125 | 5 9 9 3 8 | | Ψ |
| | VFD D. | | | | ATE: | | DIM'Y' = DIM'B' + | 19 3/4" | OIN 'B' = | | | - | ,∀, MI | - | | | ÷ | - 4] | | | 4 | | ⊖pticnal. I−Zone? | | | VER 0 | 125 15 15 4 | ANGLES | 0 |
| | APPROV | | APP' BY: | | | | _ | | | - | | $2\frac{1}{4}$ | [69MM] | | | | [/ | | | MN | | × | | | | | | RING CEPT. | TIFICATION |
| | | = | AP | | | | | | | | - - | 5 | ~ | | _ | - | 23 <u>4</u> " [5≈MM] | - | le wered pening | Step-D | | Control Box | | | | | | PR. PERTY OF RITE-HITE ENCINEERING EPT. PR. VI E. F. R. INF. RMATI. NAL. PURP. SES | S INC. |
| | | | | | | | _ | | | | | | Air Saol Rlwr | Curtain Fan J–Box | | 143. | [374MM] | | | ptional Ste Transformer | _ | \leq | - Sideframe | | | | | TY OF RITE- | SUBJECT TO CHANGE WITH RITE-HITE "DOORS INC |
| | | | -101- | | | 173* | [441MM] | | | | | بریا. ا | [652MM] | | | | 14 | B J | | | | | Side | | ی ای | 4 [222MM] | | PR_PER PR_VI_E | - C |
| | | | | <u>91</u> | ļ | | - † | _ | | - | | | | | | | | | | | | | | | | <u>+</u> + | | | c2 |
| | | | | | | | $2\frac{1}{4}$ | [5_MM | | | | | [WV | | | | | | | | | | | | | | | | |
| | rive Tube | | | | | | | | 4" [TARNAT | | | 52 1 " | [1334 | | | | | | | | | | | | | ₽ | 7 | | |
| | $ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | \mid | | | | | | | nanina Width + 14" [356WN] | - | | _ | | Þ | | | Curtain | | | | | / | | | | pening Width | | | |
| | | | | | | | | | Duinen | 5 | | Blower | cation | - | | ŧ | Insulated Curtain | | / | | | | | | | | | | |
| | | | | | | | | | Door | 2 | | Air Seal | Mounting Location | 23" [5°6MM] | | | , | | | | | | | | Thermal Air Seal | | | | |
| | | | | | | | $-\frac{2\frac{1}{4}}{4}$ | [5_MM] | | | | Thermal | ~ | | | | | | | | | | | | | | | | |
| BLY | | | ÷ į | | | | t | | 1 | <u> </u> | | | | | | | | Curtain an, Tw | 1 Door | 46 | | | âs | | | | | | |
| NEXT ASSEMBLY | | Þ | | // | | | | | | | | L. | 125 [327MM] | 170] | - | | | Curtain Fan, Tw | Per | Door Opening Height – 4" f1:2001 | | | | - | یں ارب | _4 [222MM] | | | |
| | | | | | | | | | | | | | | | 14]" | [362MM | | | | He D | | | | | | | | | |

FR 45° TILT ARCHITECTURAL DRAWING

| REVIS: N HIST. RY | Add Blew 5508 3/4/2009 MDB | ATION OF HTR/BLWR | ADD CURTAIN FANS 5:94 1://14/2::9 RJK | SPECIFICATIONS SPEED: UP Tr. 1: - ¹¹ [254 MM]/SEC WITH STAN - 4R. 1 VARIABLE FREQUENCY - RIVE. Tr. P. SPEET: IS - 6-PEN TENT - N0: R. SIZE. SIZE: MAXMUM - 1: [3: 4: MM] wde x 16 [4: 75MM] high MINNUM. 5 [15:24MM] wde x 7 [2:4:36MM] high | curtain material: Insulaax - 1" [28MJ] (f Pi-Lytster Insulati). N Place Between The Layers (f 27 · 2, Urethane. d Sti, - Blue | | DRIVE SYSTEM: 2 H.P. M. P.K. VARABLE HEL, UENCY FINE, OUSHINE M. W.F.K. M. W.H. K. WILS RAZIN N. RIVE SYSTEM – C. NSISTING F. A. RIVE GEAR, RIVE SPHERES AN . A C. MP. SITE E. GE MATRIAL WHICH IS ATTACHE. TI THE OURTAIN. | 26. MMJ ELECTRICAL REQUIREMENTS: THREE PHASE 22: V - 24.V, 6. HZ 2.9.V, 6. HZ 24.V, 5. HZ 46.V, 6. HZ 555V, 6. HZ 555V, 6. HZ | THHERMAL-AIR SEAL: O ST.: - 12: VAC, SNOLE PHASE, 5: /6: HZ O : PT TRANSF RMER (T: MATCH CB: X V LT) | CONTROL BOX: 1-0: MA RIGITAL ONTRYLLER, VARIABLE FREQUENCY RIVE. Sze 14" x 16" x R" [256MA x 4:7MM x 2:4MM] | CURTAIN RETENTION: WEAR RESISTANT LEXAN WN : OU ES KEEP TENSI: N : N THE OURTAIN THE ENTRE LENGTH : F THE SI & FRAME. INCLU : ES TRUE AUT: RE-FEE : SYSTEM IN CASE : F ACCI : ENTAL IMPACTS T: OURTAIN. | SAFETY FEATURES: S FT E GE TECHNEL OY, THE THRU-BEAM PH-TO EYES M-UNTER AT 1." [457MM] AN 54" [1372MM] FF THE FLORE. | WARRANTY: LIMITE 1-YEAR PARTS AN - LAB: R - N ALL CIMP NENTS, INCU - ING ELECTROAL, EXCLUSIVE 1-YEAR MANEY BACK GUARANTEE - F CUST-MER SATISFACTI-N. | CURTAIN FANS: 2 OURTAIN FANS PR. M.E. , W. UNT IN THE UPPER C. RNERS (F. **). R - PENNG, AM THEM TO GET MAXIMUM AR FL W C. VERAGE AN THE OURTAIN/FANS MUST W. UNT ON THE WARMER SI, E. (F. THE WALL AN) BU, MAR, IN THE WARM SI, E. (F. THE OURTAIN, REGAR (LESS (F. *)). R M. UNT SI, J. | PART N. DESCRIPTI- N DESCRIPTI- N | - PARTS LIST / MATERIAL | MM-DD-YY RITE-HITE | | FATCHILECULATER' VAL FASTRAX FR, 45 DEGREE TILT AWAY sze (W. Del NUMBER DWG W | B FASTRAX FR 7 1 2 2 År 1 0 F scale 3/2=1* PART # 7 10 SHEET |
|-------------------|----------------------------|-------------------|---------------------------------------|---|---|-----|---|---|---|--|---|---|--|---|-----------------------------------|--|--|-----------------------------------|---|--|
| | | | | (v, H, "), 7.9) [rawn] 6" · f Space Rec. mmended (v, H, "), 7.9) [rawn] 24/4 (v, H, "), 7.9) [rawn] 6" · f Space Rec. mmended (v, H, "), 7.9) [rawn] 6" · f Space Rec. mmended | | Wer | | Insulated Curtain [5374Mi] 23 ¹ / ₄ [592Mi] 16 ⁿ / ₁₆ [4.7Mi] | Fan, Two Z | Prince (pening the pening the pen | | | C. ntr. I B. x | Sldeframe | Thermal Air Seal | ² /4 ⁴ /2220Mi ² /4 ⁴ /2220Mi ² /4 ² /222Mi ² /2222Mi ² /222Mi ² /222Mi | UP T0 + / - D0 N0T SCA 0P T0 + / - D0 N0T SCA 0.125 + 0.5 25 + 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | 112 Journal JTD 113 CHECKED BY | - 1125 INTIAL EON 525 | |

FASTRAX[™]