

UltraTough M&I - Digital Gateway

INSTALLATION



INTRODUCTION

The contents of this manual are designed to help you install UltraTough M&I high speed doors. **DO NOT begin to install the high speed door unless you have read through the instructions in this manual.**



The safety alert symbol is used to identify safety information about hazards that can result in personal injury. A signal word (DANGER, WARNING, or CAUTION) is used with the safety alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.



DANGER indicates a hazard that, if not avoided, will result in death or serious injury.



WARNING indicates a hazard that, if not avoided, could result in death or serious injury.



CAUTION indicates a hazard that, if not avoided, might result in minor or moderate injury.



CAUTION, when used without the alert symbol, indicates a situation that could result in damage to the door.



NOTICE is used to inform you of a method, reference, or procedure that could assist with specific operations or procedures.

Other symbols that may be used in this manual are:



Lock Out / Tag Out



Crushing



Fire



Shock



Read Manual

Delivery and Inspection

WARNING

Improper installation of anchoring devices or installation into aged or unsound concrete block, or other wall material may result

WARNING



Lock-Out Tag-out all electrical power supplied to the door before making any electrical installations or connections. Also Lock-out Tag-out any equipment near the installation site if that equipment may be inadvertently operated into the area used to assemble and install the door. Failure to properly

WARNING



Use proper lifting equipment and techniques. Properly secure all loads. Failure to



Secure the work area so that persons not working directly on the

SITE PREPARATION

Electrical Supply

Qualified electrician must make all electrical mountings and connections in accordance with all applicable regulating body(s) electrical codes and standards.

Door Opening

- 1.Are the door jambs and support wall structurally sound providing a flat surface for the side columns to mount against?
- 2.Check the width and height of the door opening and verify the measurements against the dimensions of the door.
- 3.Is the opening square? Plumb?

TOOLS AND MATERIALS REQUIRED

Personnel

- Two people to install the door
- One person qualified to operate forklift, hoist, or crane
- Once electrician to install and connect

Tools

- Assorted wrenches
- Tape measure
- Carpenter's square
- Level (4ft minimum recommended)

- Lifting Straps
- 2 ladders or personnel lifts (tall enough to reach above the door head)
- Other tools as needed for the type of

Materials

- Anchors appropriate for the type of wall the door and accessories are to be installed onto. Albany Door Systems recommends through-bolting doors whenever possible.
- Wire as specified on the electrical sche-

UNPACKING AND PREPARING

- 1.Inspect and unpack the components. Report any damage immediately to Albany Door Systems at (770) 338-5000. Refer to the serial number tag located on the door side frame.

CAUTION

The door panel and roll assembly could be damaged. Use evenly spaced padded supports to prevent rips, tears, or bending of the roll assembly. Failure to protect the roll assembly could result in damage to the door.

Installation: Standard UltraTough Doors

PREPARATION

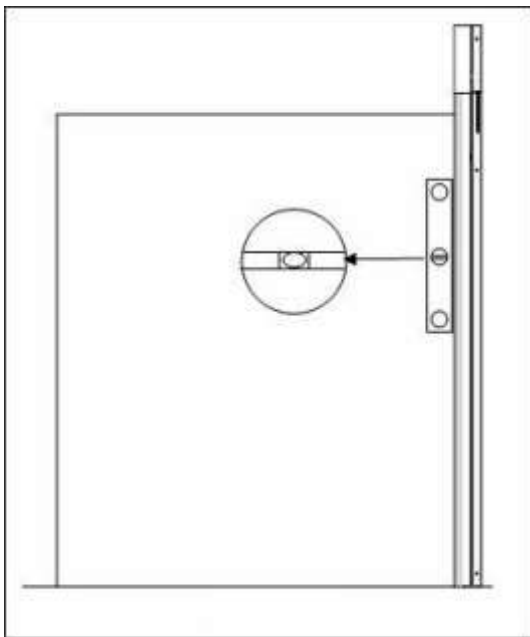
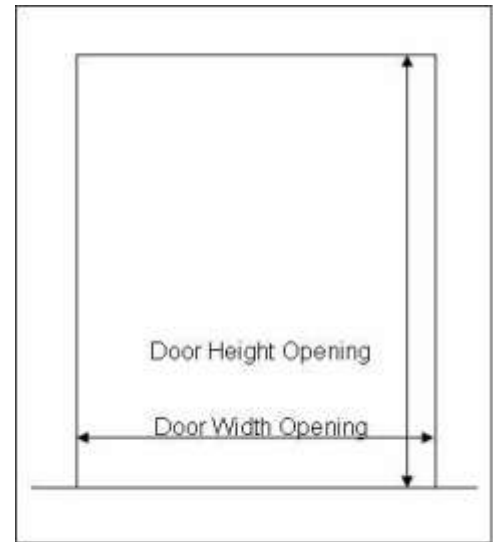
NOTICE

Some wall surfaces are not ideal and may require shimming to keep the side frames square to each other. Proper installation will help eliminate photocell misalignment problems and curtain binding issues.

Setting up the side frame

The door is usually to be installed centered over the door opening. Also at this time establish a level line or mark on each side of the door opening (must be marked in order to establish a reference height in case of an uneven floor). This can be accomplished using either a water level or an optical measuring device. Measuring down from this mark to the floor on each side of the door opening will tell you if your floor is level at the points of installation for each of the side frames.

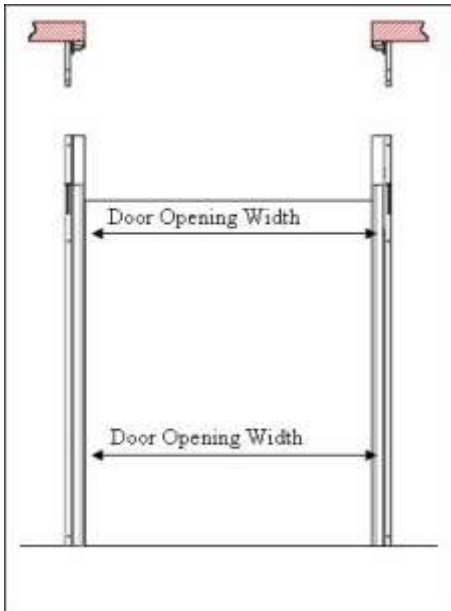
(Example: If on side A, you measure from your level mark to the floor and it 46" and side B it measures 47". This measurement tells you that Side A should be installed first right on the floor and that Side B will have to be raised 1" in order to be level with Side A). See figure 1.



Once you have established which side frame to install first, fully plumb and level it as shown. Centering the door in the doorway opening will allow for minor variations in the existing door opening.

NOTICE

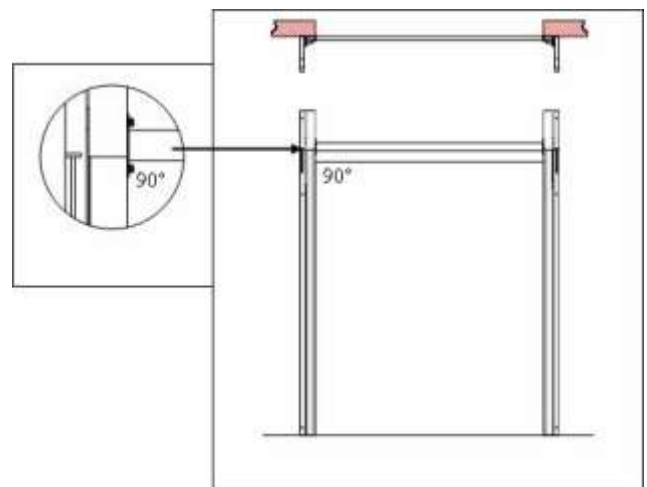
Along the outside of each side frame there are predrilled holes for either plug welding or bolting the side frame to the door opening.



Temporarily secure the second side frame to the opening. Attach width gauge across the upper section of both side frames (figure 4). This width gauge is equal to the manufactured door opening width.

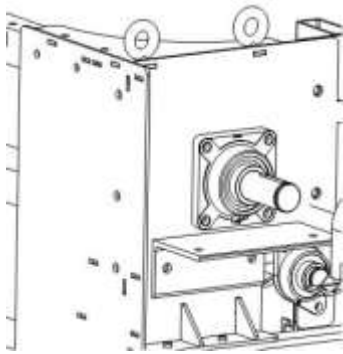
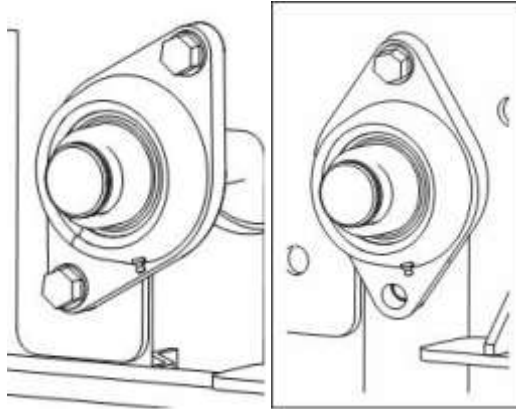
Once this is done verify all dimensions are plumb and square. The door width distance should be the same between the two side frames at any point along the door opening height. Once this has been confirmed, permanently attach both side frames by either bolting or welding. Plug weld or bolt the side frame to the doorframe.

If plug welding the side frames you will also have to tack weld inside leading edge of frame to the door jamb across from the same location as the plug welds.



Preparing the header assembly for lifting

Loosen and remove the lower idler barrel bolt (figure 5) and move the idler barrel out of the way (figure 6) before lifting the header assembly.



Lifting locations

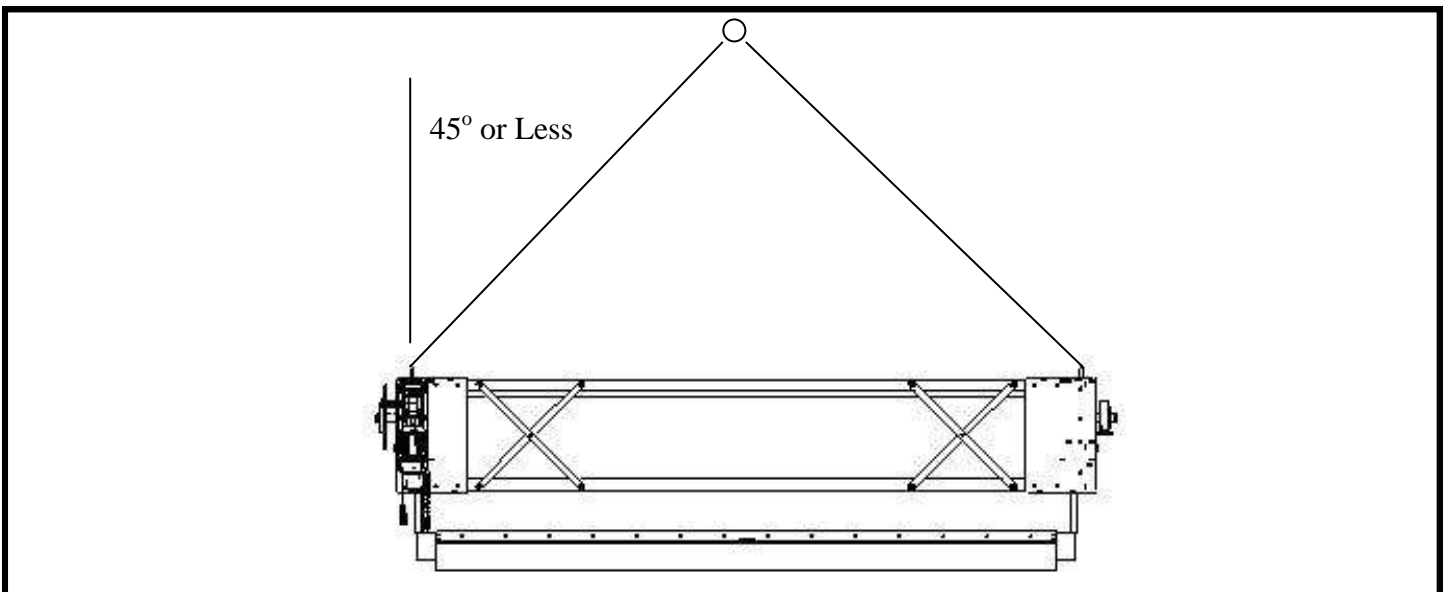
There are eyebolts for lifting the header assembly into place located on the header plates. Attach cable or chain that is rated for the weight of the header assembly. Be sure to balance the header assembly before lifting into place.

WARNING

The cable or chain used for lifting the header assembly must not exceed a 45° angle from vertical.

DANGER

A falling header assembly can result in SEVERE INJURY and POSSIBLY DEATH!

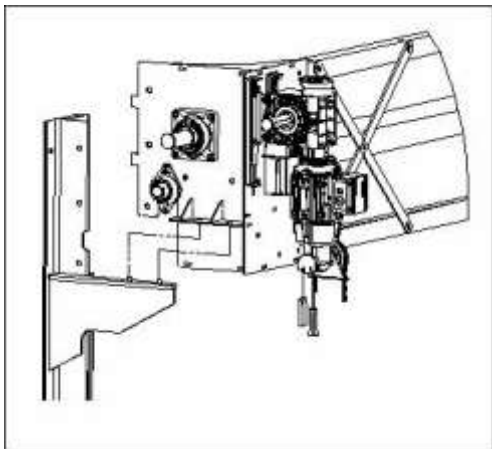
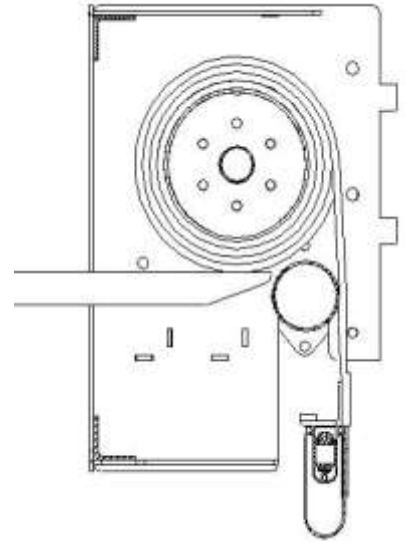


Lifting with a fork lift

⚠ WARNING

Never lift using the bottom beam or the idler barrel between the forks and the header assembly, damage can occur.

Place the forks of the forklift up under the top roll and not the header framework or the Idler Barrel. **DAMAGE WILL OCCUR** if the door is lifted by the idler barrel or header framework
Be careful to have the header assembly properly balanced on the forks. Secure the header assembly to the forks to help prevent from falling.



Installing the Header

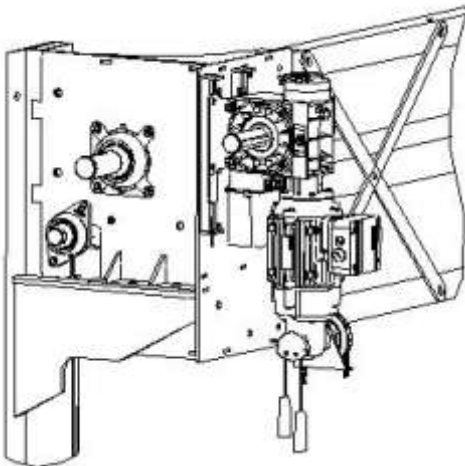
Using the alignment tabs and the align pins on the installed side frames, guide the header assembly into place.

Note that the idler barrel-bearing has been moved out of the way

Never leave the header assembly unattended without fully bolting the header assembly to the side frames, or before removing lifting device and or leaving general area of the door installation.

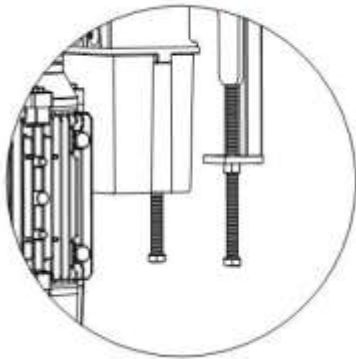
Once the header is aligned and set into place. Bolt the assembly to the side frames. Small doors have 2 bolts per side; larger doors have 3 bolts per side. These should be torqued to 212 ft-lb.

Lower the curtain before securing the idler bearing.



Drive Chain Tension

Shown here is a finished header assembly that has been installed. Also note the idler barrel has been bolted back into place back. The drive chain tension is preset from the factory. This setting should be checked after the door is cycled a few times. The drive chain is to be tensioned so the deflection of the slack side of the chain is equal to 2% of the distance between the shafts. For door over 12' x 12' this value is 3/8" (9.5 mm). For doors under 12' x 12' this value is 9/32" (7.1 mm).



Chain Tension Adjustment

If the Chain tension needs to be adjusted, loosen the 4 bolts that attach the operator to the header assembly.

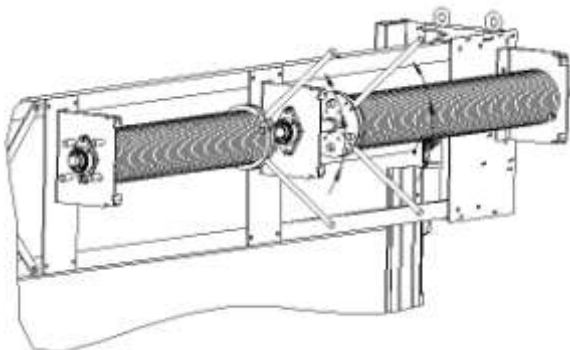
Using the threaded adjustment bolts located on the bottom of the attachment bracket, either raise or lower the operator to achieve the proper tension.

Retighten the 4 bolts that attach the operator to the header assembly.

Counter Balance Springs (optional)

Pre-charging Springs

The springs must be pre-charged with the door curtain in the up position. This pre charge amount is listed on the spring bracket and should be stamped with numbers (example: 3 S and 4 T). The S-number stands for the amount of pre-stretch in inches and the T-number stands for the amount of pre turns. The spring is also stretched at this time; this amount is also located on the same tag. **Always** charge springs with the door in the up position as shown



Hand Chain Operator

A manual hand chain is provided to move the door without power. Lightly pull the red handle of the engaging and disengagement chain until it stops. The control circuit is now interrupted and the door can be opened or closed with the hand chain.

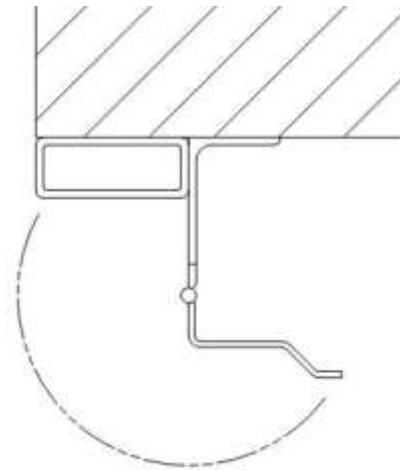


By lightly pulling the engaging and disengaging chain by the green handle until it stops, the control circuit is re-made and the door is electrically operational.

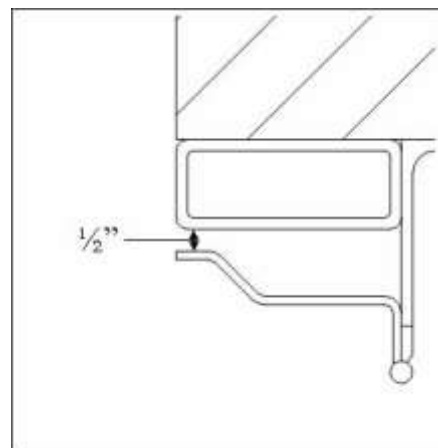


Closing the side frames

Open the side frame covers as shown. Bring the curtain down so it travels behind the idler barrel and down into the guides of the side frame. (If necessary to get the bottom beam behind the idler barrel, remove the bottom bolt on each side of the idler barrel, and swing it down out of the way.)



Next shows the guides closed and set to the proper clearance gap. This gap is a minimum of 1/2" (13 mm). This gap allows the curtain to travel within the guide freely.



Installing the inertia brake

The inertia brake is supplied on all chain drive springless UltraTough M&I door systems.

This device has a locking catch and locking wheel that triggers the braking action if the maximum operation speed is exceeded.

NOTICE

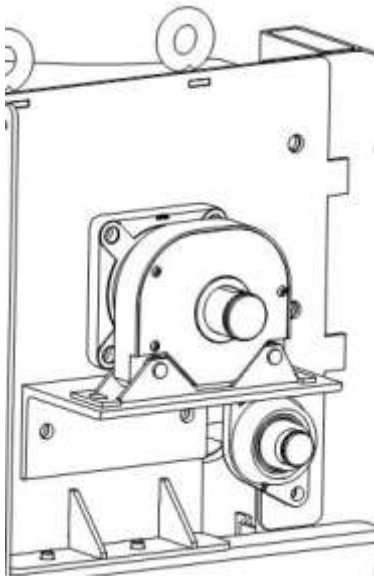
This is a one-time use only device. If it has been engaged it must be replaced (P/N 6622T001).

This device must be installed after the phase rotation has been verified to prevent accidental actuation of the device.

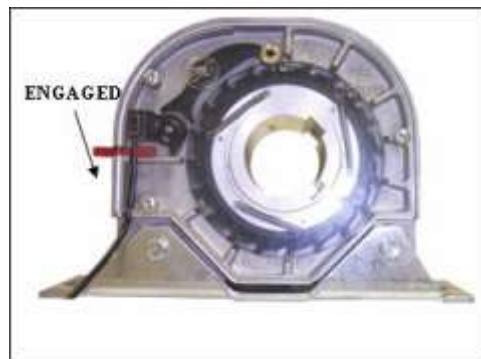
This device is installed on the bracket on the non-drive side of the header assembly. This must be installed with the correct rotation direction. Installing backwards can cause the brake to activate.



The electrical control cutoff must be wired before the door will operate properly.



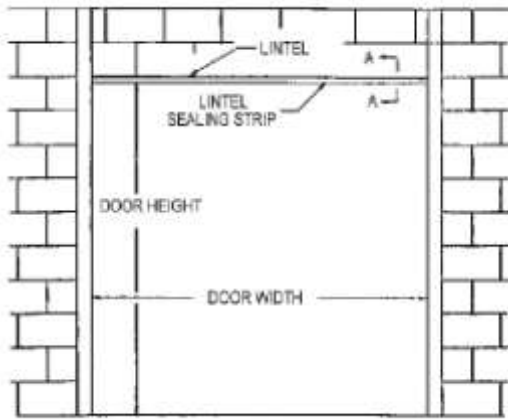
The figure below shows that the inertia brake has been engaged. This is evident by the RED Indicator tab sticking out of the housing.



Installing the lintel brush seal

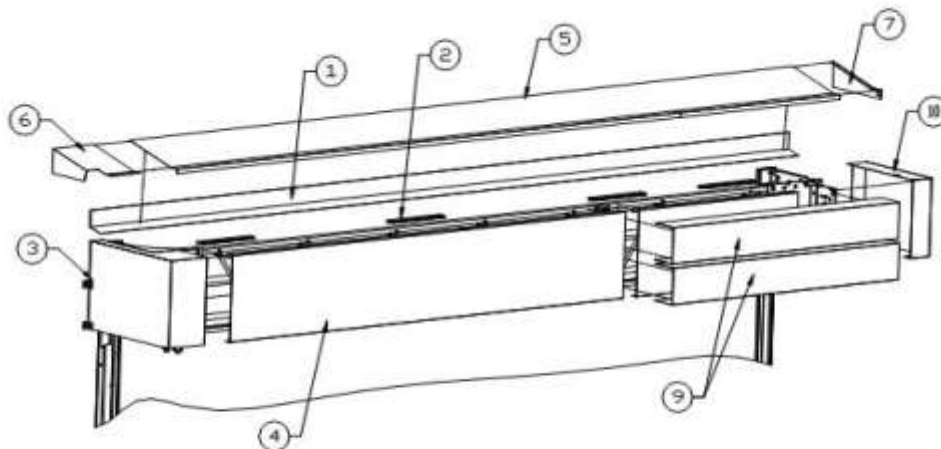
Every UltraTough M&I Door System is supplied complete with a lintel sealing strip, the purpose of which is to seal the area between the header and the curtain. Keep in mind that if the guides had to be shimmed of the wall then this may require the same shimming of the lintel for the seal to be able to reach the curtain.

To install the lintel sealing strip, use fasteners appropriate to the material used as lintel (or use 1/4" TEK self-tapping screws supplied with each door and located in the hardware carton). For further details refer to drawing shown below.



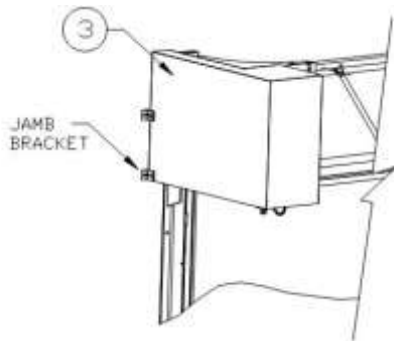
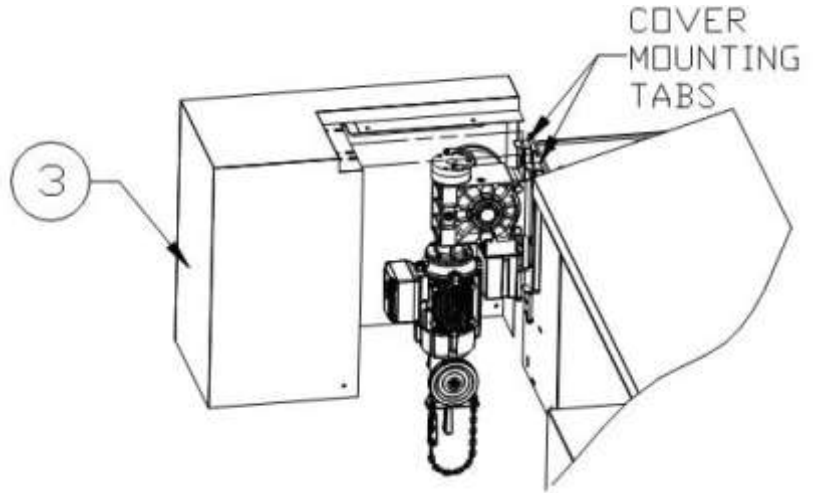
Sealing strip holder – length equal to door width minus 1”
 Sealing strip – length equal to door width plus 1”
 Fasteners located on 12” centers.

FULL ROLL COVER INSTALLATION FOR A SPRING BALANCED DOOR

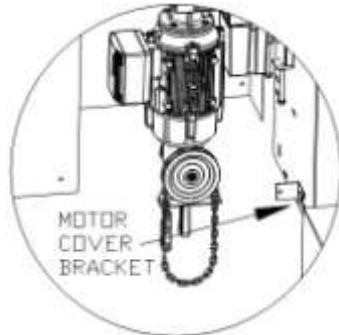


MOUNTING MOTOR COVER

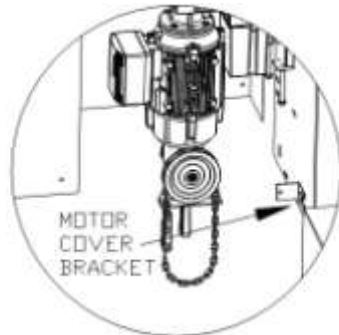
Remove installation eyelets.
Mount the motor cover over the
mounting tabs using a 3/8" bolt.



**NOTE: One jamb bracket
is required for doors
smaller than 12' X 12'.**



Loosen truss channel bolt
to attach motor cover
bracket.

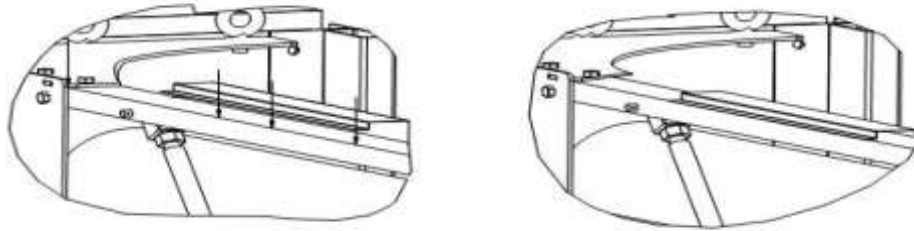


**NOTE: Motor cover bracket
mounts inward for doors
smaller than 12' X 12'.**

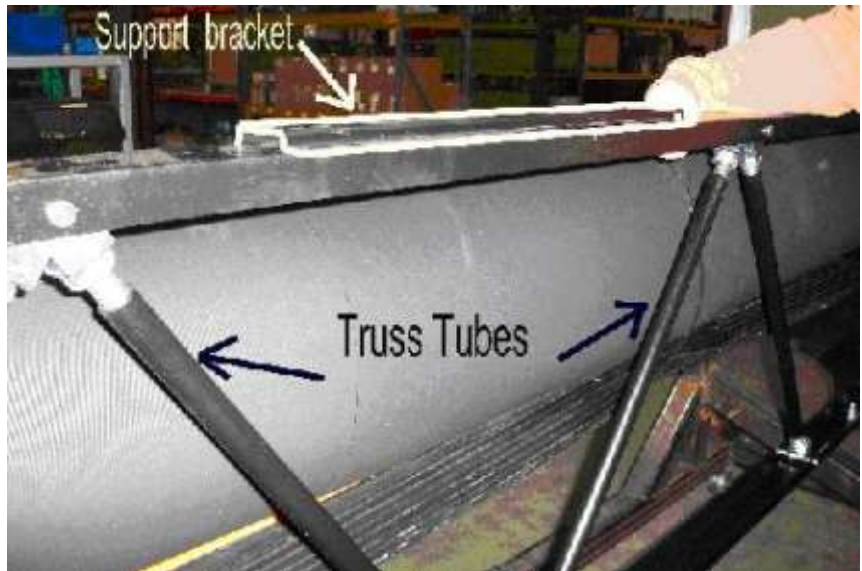
Mounting the Front Cover

Attach full roll front cover support plate to the top of truss channel. Place in between each truss tube cotter pins (top only).

NOTE: Support plates are not required for doors smaller than 12' X 12'.



Tek screw back side of support bracket to truss channel near the bottom of the c-channel.



Place each front cover over front truss assembly. Attach the top and bottom using tek screws supplied.



Mounting top cover support wall attachment angled flashing

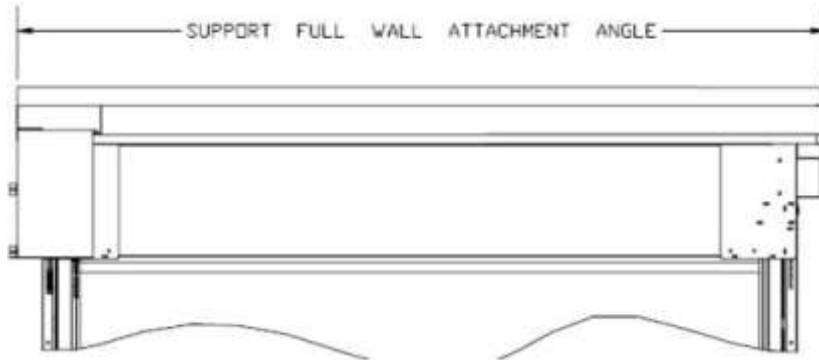
Wall mount the 120 degree angle flashing 6" above the highest point of the header. This flashing may consist of several pieces that will overlap each other across the full width. Once mounted to the wall, caulk between the wall and angle.

NOTE: Corrugated sheet metal buildings may require additional material to seal or cutting of the sheet metal so that this flashing can be installed behind the corrugated metal for a proper weather seal.

Top cover and end caps

The top cover (item #5) is now ready to set into place. The top cover may consist of more than one piece that will require then to be overlapped evenly across the top of the header. Fasten the covers with a couple of tek screws just to hold the cover so that the end caps(items 6 & 7) can be fitted into place. Make sure all these covers fit cleanly before screwing everything down.

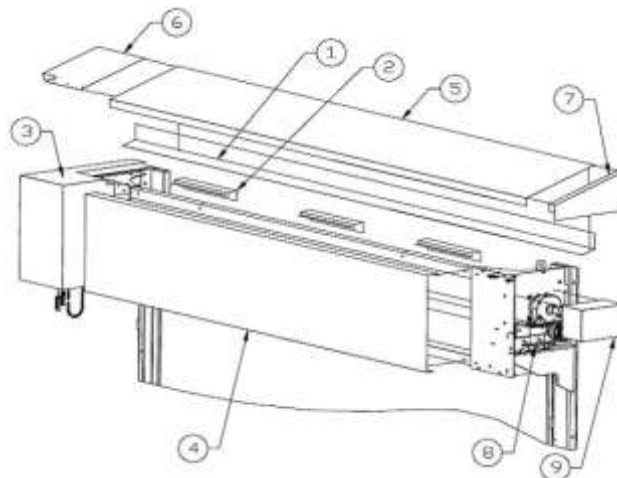
Once all the covers are in place and secured, place a bead of caulking along all seams to provide the best weather seal possible. Keep in mind these covers may need to be removed for service later on, so keep the caulking neat and minimal.



Springless with Inertia Brake

Installation of inertia brake cover

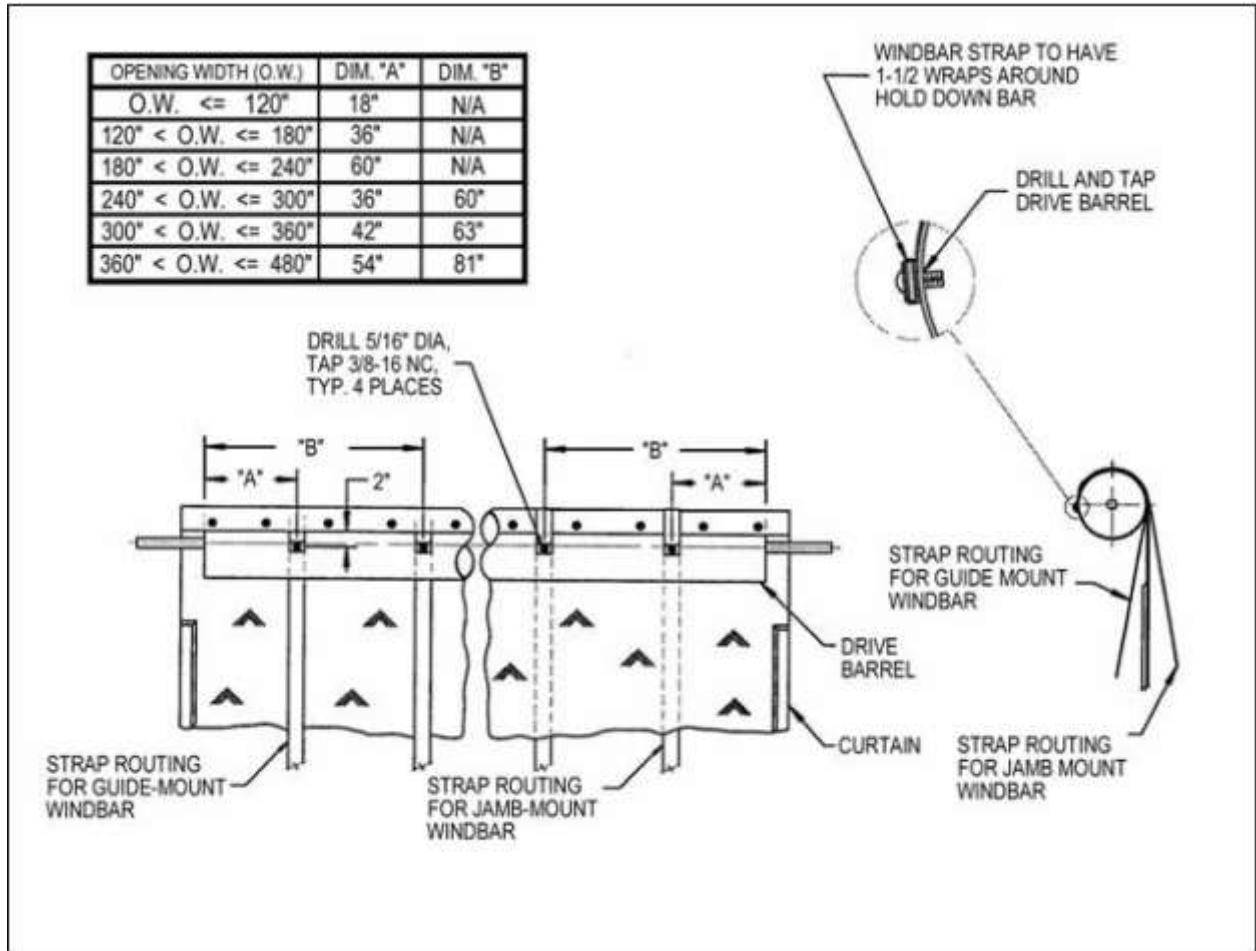
The only difference between the covers for a door with springs and the covers for a door without springs would be the spring covers and the end cover for the inertia brake. The front cover (item #4) will cover the whole span on the front of the header due to the absence of the springs. The inertia brake will have a smaller cover (items #8 & 9) compared to the spring sprocket cover. Everything else is basically the same for installation purposes



MECHANICAL PROCEDURES

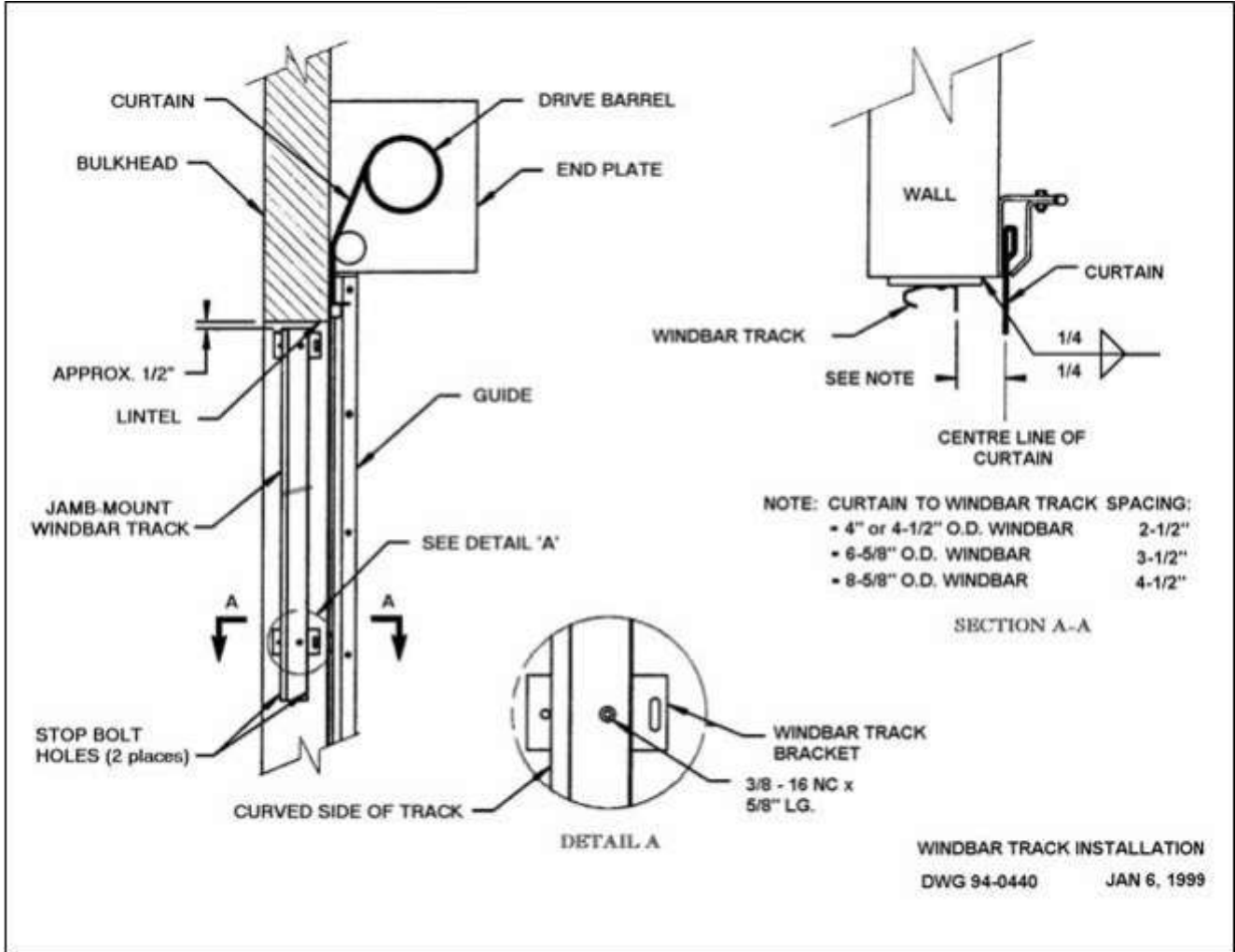
Traveling Windbar Part Identification

TRAVELING WINDBAR ASSEMBLY – DRIVE BARREL

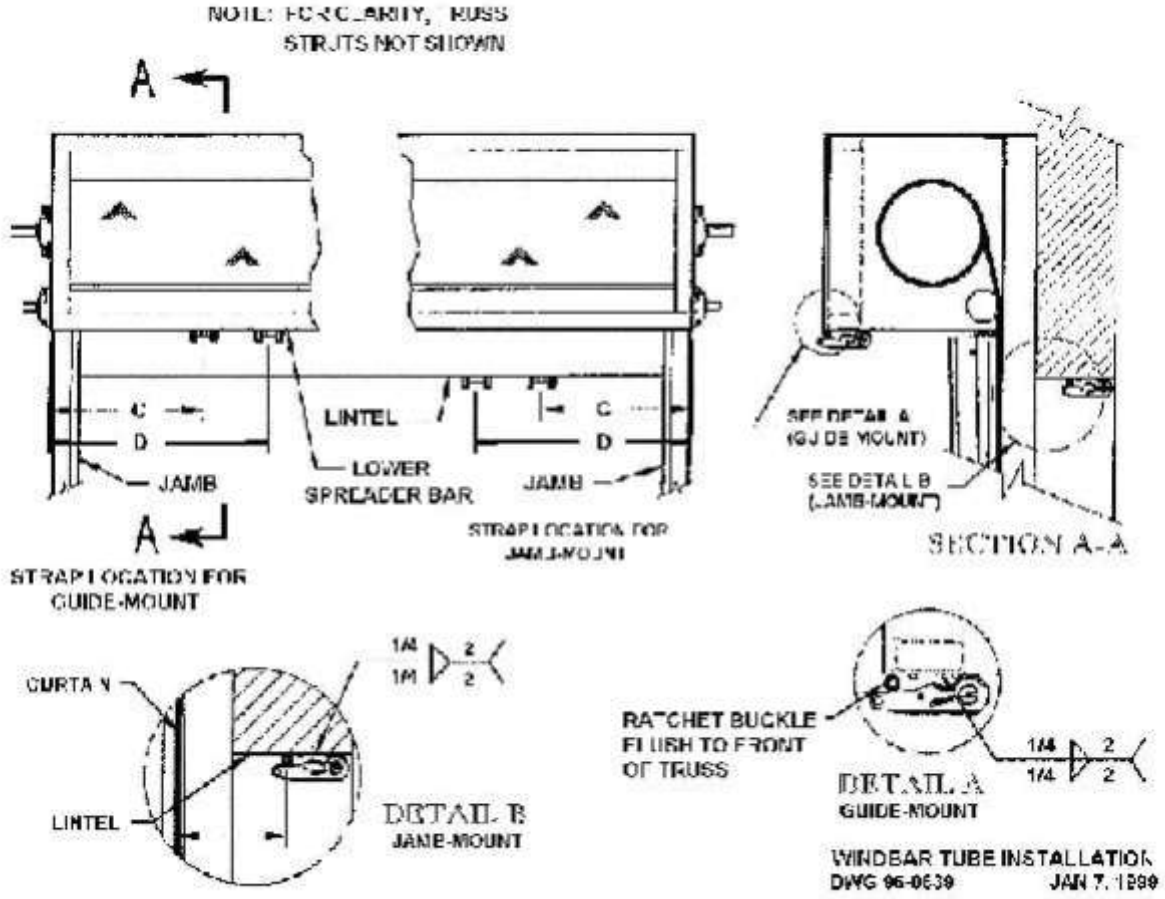


OPENING WIDTH (O.W.)	DISTANCE FROM OUTSIDE OF ENDPLATE TO STRAP LOCATION	
	DIM 'C'	DIM 'D'
O.W. <= 120"	9 "	S/O
120" < O.W. <= 180"	18"	S/O
180" < O.W. <= 240"	36"	S/O
240" < O.W. <= 300"	18"	42"
300" < O.W. <= 360"	27"	48"
360" < O.W. <= 480"	33"	60"

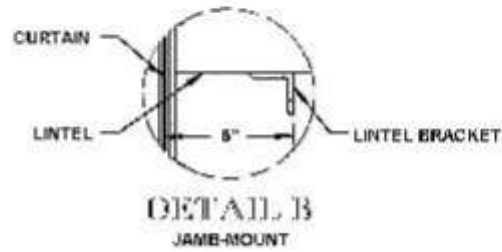
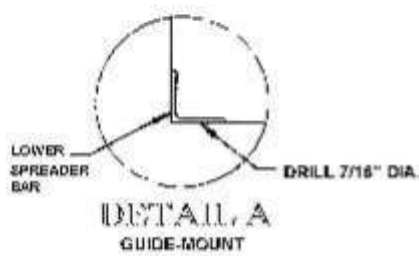
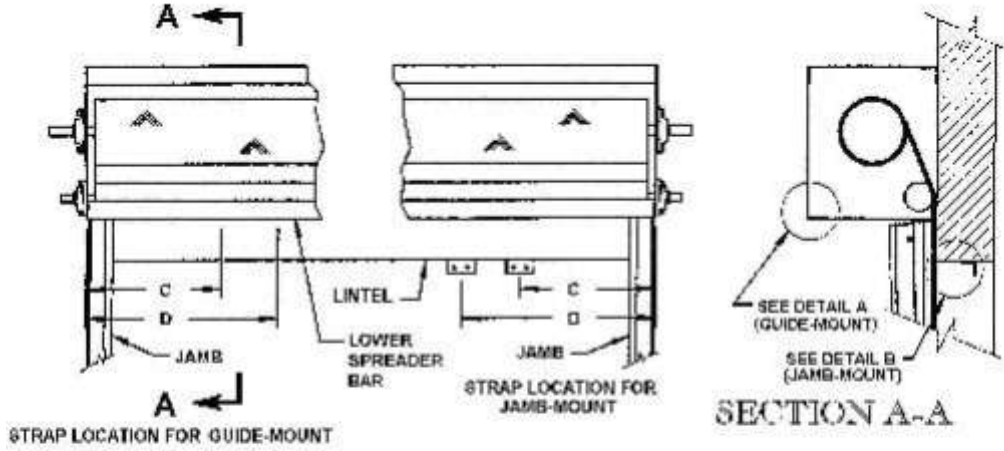
TRAVELING WINDBAR ASSEMBLY – WINDBAR TRACK (Jamb-Mount)



TRAVELING WINDBAR ASSEMBLY – WINDBAR TUBE INSTALLATION



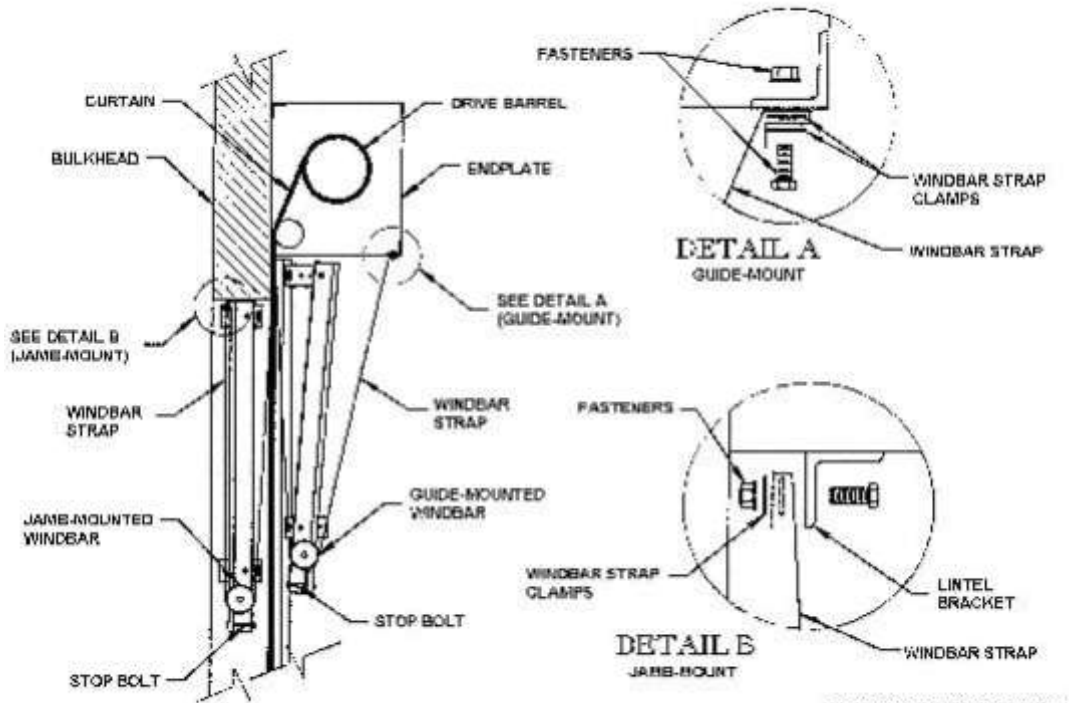
TRAVELLING WINDBAR ASSEMBLY – WINDBAR TUBE INSTALLATION



OPENING WIDTH (C.A.)	DISTANCE FROM OUTSIDE OF FRAME TO STRAP LOCATION	
	DIMENSION "D"	DIMENSION "C"
C.A. < 120"	5"	12"
120" < C.A. < 180"	18"	30"
180" < C.A. < 240"	39"	54"
240" < C.A. < 300"	51"	67"
300" < C.A. < 360"	63"	81"

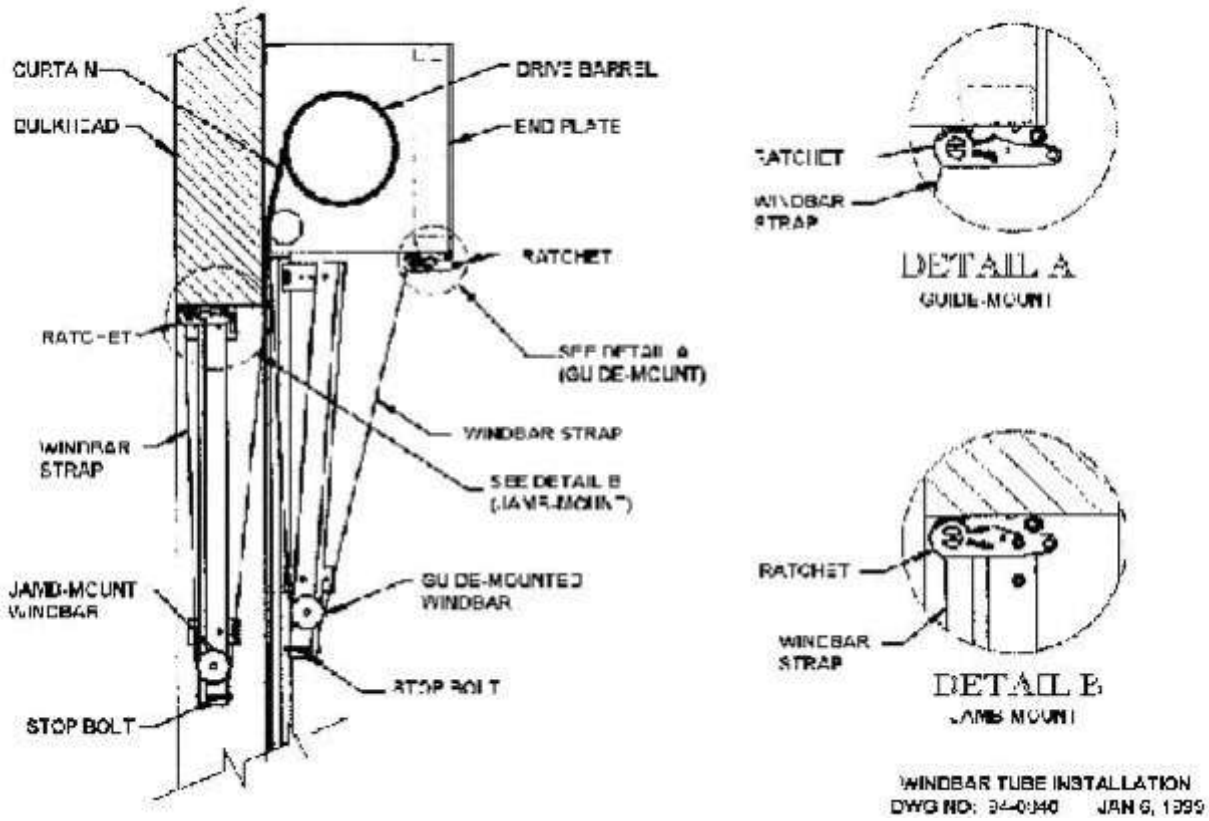
WINDBAR TUBE INSTALLATION
DWG 94-0649 JAN 7, 1999

TRAVELING WINDBAR ASSEMBLY – WINDBAR TUBE INSTALLATION



WINDBAR TUBE INSTALLATION
DWG NO. 94-0565 JAN 6, 1999

TRAVELING WINDBAR ASSEMBLY – WINDBAR TUBE INSTALLATION



TRAVELING WINDBAR ASSEMBLY

This is an optional accessory item which may not be applicable to model ordered.

- Step 1 Drive Barrel Kit Installation
- Step 2 Instructions for Guide-Mounted Windbar Assembly
Instructions for Jamb-Mounted Windbar Assembly
- Step 3 4" or 4-1/2" Windbar Tube Installation
6-5/8" or 8-5/8" Windbar Tube Installation
- Step 4 4" or 4-1/2" Windbar Tube Installation (cont'd)
6-5/8" or 8-5/8" Windbar Tube Installation (cont'd)

STEP 1

NOTICE

If the door was supplied from the factory with a Traveling Windbar, proceed directly to Step 2.

1. With the door in the closed position, disconnect the power supply.
1. Determine dimension “A” and “B” from the chart and measure the drive barrel to the required locations. From these locations, move to the closest center between curtain fasteners and mark the barrel 2” from the curtain edge.
1. Drill a \varnothing 5/16” hole and tap 3/8 – 16 screw threads into the drive barrel at all locations.
1. Wrap a hold-down bar with the windbar strap (1-1/2 wraps) and pierce a hole through the strap layers that aligns with the hole in the hold-down bar. Fasten the strap to the drive barrel with a 3/8-16NC x 5/8” LG BHCS and flat washer. Repeat this procedure with the remaining windbar strap(s).
1. If installing a jamb-mount windbar, route the straps over the top of the curtain and down between the curtain and the bulkhead. Check that the straps are not twisted.

If installing a guide-mount windbar, feed the strap between the drive barrel and the curtain. This procedure may require further closing of the door with the manual chain hoist to loosen the curtain tension.

NOTICE

If the door was supplied from the factory with a guide-mount 6-5/8” or 8-5/8” Traveling Windbar, proceed directly to STEP 3.

1. If installing a 4” or a 4-1/2” O.D. windbar, fasten one (1) windbar track bracket to each hole provided in the windbar tracks. Orient the windbar track bracket with the slot protruding beyond the track edge opposite the curve. Fasten each bracket to the track using one (1) 3/8-16NC x 5/8” LG BHCS per bracket.
1. With the door in the open position, disconnect the power supply.
1. There is a left-hand and right-hand windbar track. Determine the appropriate location for each track given, that the curved side is furthest from the curtain and the stop bolt holes are at the bottom.
2. Determine the curtain to windbar track spacing required for the traveling windbar diameter (4”, 4-1/2”, 6-5/8” or 8-5/8” O.D.).
1. If installing a 4” or a 4-1/2” O.D. windbar, unbolt the respective guide fasteners which align with the mounting brackets. Discard these fasteners and attach the windbar track using the 3/8-16NC x 1-1/2” long HHCS and nuts provided.
1. If installing a 6-5/8” or an 8-5/8” O.D. windbar, position the windbar track to the guides accordingly and weld each guide bracket to the outside of the guide back plate with two (2) 2” long fillet welds.

STEP 2

NOTICE

APPLIES TO ALL JAMB-MOUNTED WINDBARS

Fasten one (1) windbar track bracket to each hole provided in the two (2) windbar tracks. Orient the windbar track bracket with the slot protruding beyond the track edge opposite the curve. Fasten the bracket to the track using one (1) 3/8 – 16 NC x 5/8" long BHCS per bracket.

With the door in the open position, disconnect the power supply.

There is a left-hand and right-hand windbar track. Determine the appropriate location for each track given, that the curved side is furthest from the curtain and the stop bolt holes are at the bottom.

Determine the curtain to windbar track spacing required for the traveling windbar diameter (4", 4-1/2", 6-5/8" or 8-5/8" O.D.)

Position the windbar track to the jamb accordingly and weld mounting bracket to the jamb or fasten thru the slot provided

STEP 3

NOTICE

WINDBAR TUBE INSTALLATION APPLIES TO 4" OR 4-1/2" DIAMETER WINDBARS

1. Determine dimensions "C" and "D" from the chart and mark the lintel (jamb mount) or the spreader bar (guide mount) at these dimensions from the outside of the end plates.
1. If installing a jamb-mounted windbar, weld a lintel bracket at each mark on the lintel, 6" from the curtain.

If installing a guide-mounted windbar, temporarily center and clamp a "windbar strap clamp" at the specified location on the lower front spreader bar to match drill the 5/16" diameter holes.

STEP 3a

NOTICE

WINDBAR TUBE INSTALLATION APPLIES TO 6-5/8" OR 8-5/8" DIAMETER WINDBARS

Determine dimensions "C" and "D" from the chart and mark the lintel (jamb mount) or the truss (guide-mount) at these dimensions from the outside of the end plates.spreader bar (guide mount) at

If installing a jamb-mounted windbar, weld a ratchet buckle at each mark on the lintel, 9" from the curtain (see Detail B).

If installing a guide-mounted windbar, weld a ratchet buckle at each mark on the bottom of the truss (see Detail A).

STEP 4

NOTICE

APPLIES TO 4" OR 4-1/2" DIAMETER WINDBARS

1. With the door in the closed position, disconnect the power supply.

*Note: Roller wheels may come factory-installed in windbar tube.

1. Insert a roller wheel into each end of the windbar tube. "Snuggly" install a set screw and nut (nut supplied as a spacer) in both ends of the windbar tube (do not over-tighten). With set screws in place, the roller wheels will extend and retract without separating from the windbar tube.
1. Lift the windbar into the bottom of the tracks. Insert a stop bolt (3/8-16NC x 3-1/2" LG HHCS) into the hole at the bottom of each track and secure with a 3/8-16NC hex nut.
1. Route the windbar straps around the bottom of the windbar tube, then upward towards the lintel (jamb-mount) or spreader bar (guide-mount). Check that there are no twists in the straps.
1. Route the loose end of each windbar strap between individual windbar strap clamps and temporarily fasten to the lintel bracket (jamb-mount) or spreader bar (guide-mount).
1. Carefully raise the door to the open position. Examine the location of the windbar with respect to the top of its tracks. If adjustments to the windbar straps are required, return the door to the closed position to do so.
1. Once adjustments are complete, secure the windbar strap and clamps to the lintel bracket (jamb-mount) or spreader bar (guide-mount) with the fasteners provided. Trim excess strap material leaving at least 1-1/2" of extra strap hanging below the strap clamps and fasteners.

STEP 4a

NOTICE

APPLIES TO 6-5/8" OR 8-5/8" DIAMETER WINDBARS

With the door in the closed position, disconnect the power supply.

Insert a roller wheel into each end of the windbar tube.

Lift the windbar into the bottom of the tracks. Insert one stop bolt (3/8-16NC x 3-1/2" LG HHCS) into the holes at the bottom of each track and secure with 3/8-16NC hex nuts.

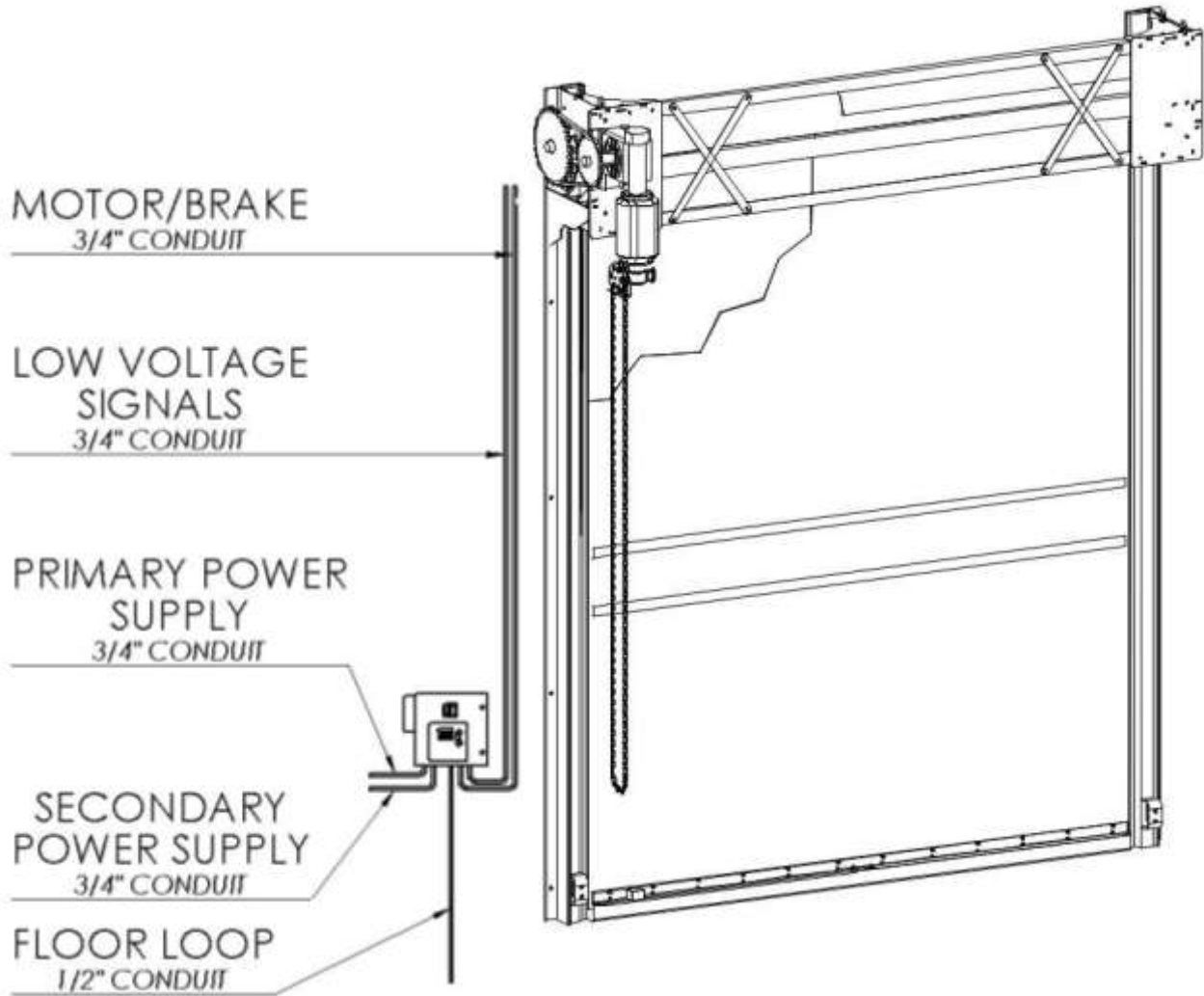
Route the windbar straps around the bottom of the windbar tube, then upward towards the lintel for jamb-mount or spring truss for guide-mount. Check that there are no twists in the straps.

Route the loose end of each windbar strap through the slot in the spool of individual ratchets on the lintel for jamb-mount or on the spring truss for guide-mount.

Carefully raise the door to the open position, examine the location of the windbar with respect to the top of its tracks. If adjustments to the windbar straps are required, return the door to the closed position to do so.

Once the adjustments are complete, trim excess strap material, leaving a minimum of three (3) full wraps of strap on the spool of the ratchets.

ELECTRICAL CONNECTIONS



- REFER TO INDIVIDUAL DOOR SCHEMATICS FOR SPECIFIC DETAILS ON OPTIONAL EQUIPMENT..

CONDUIT ROUTING

NOTICE

All conduit and electrical connections must come in

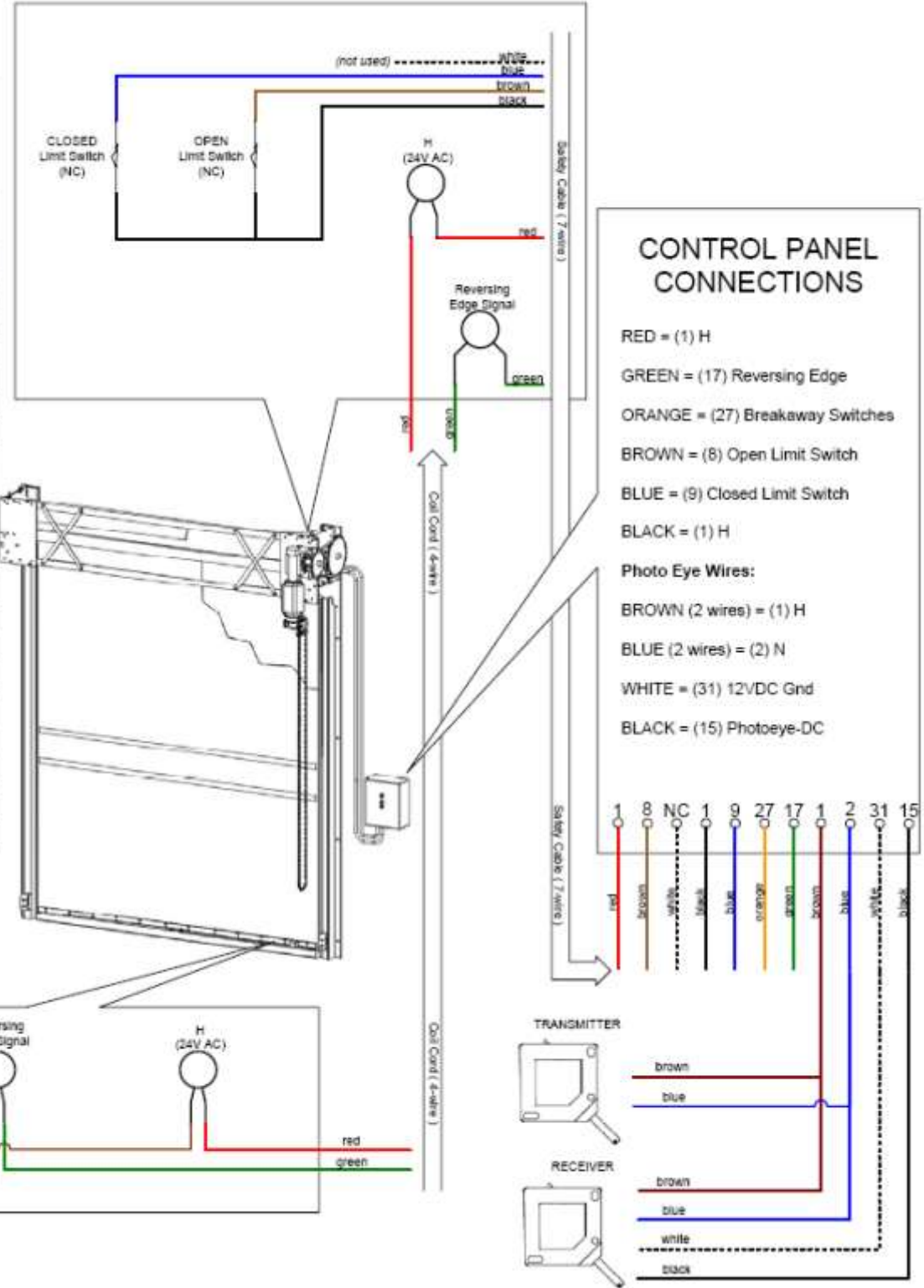
- A- Motor/Brake—3/4" Conduit
- B- Low Voltage Signals—3/4" Conduit
- C- Primary Power Supply—3/4" Conduit
- D- Floor Loop—1/2" Conduit (optional)

GRAPHICAL WIRING DIAGRAM

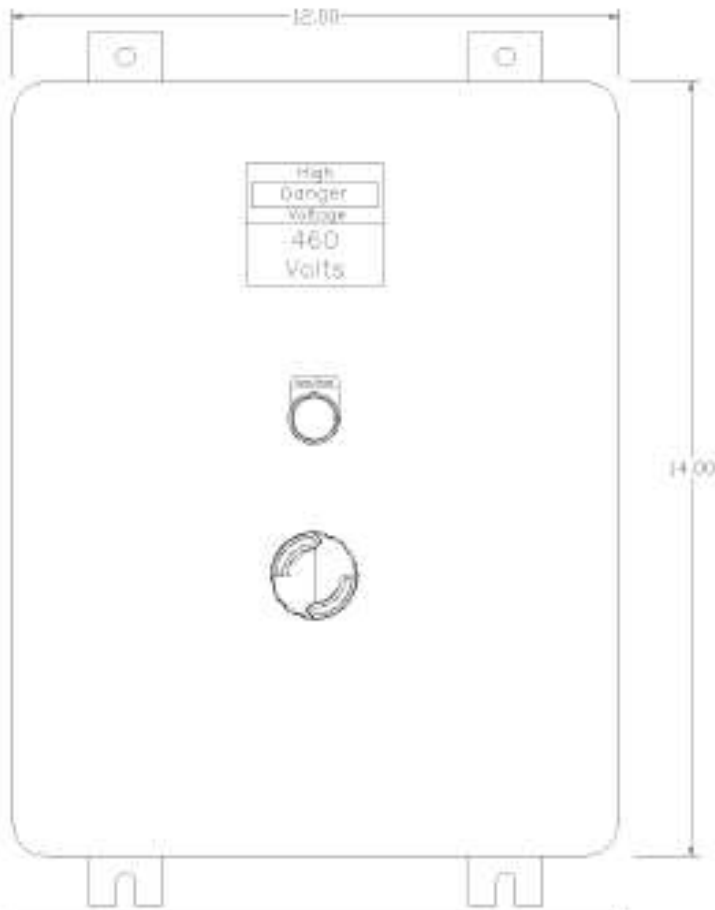
MOTOR WIRE TABLE

1-Speed Motor	
Wire Color	Control Panel Connection
red	T1
white	T2
blue	T3
green	GND
orange	1
black	B1

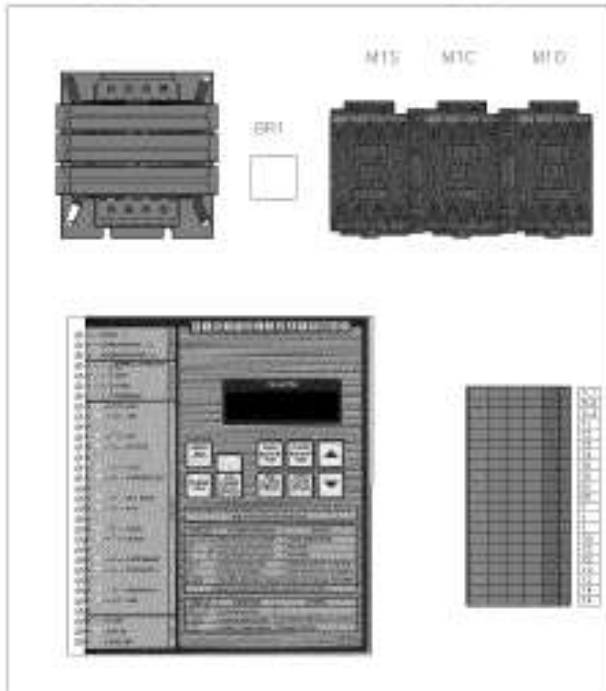
2-Speed Motor	
Wire Color	Control Panel Connection
red	T1
white	T2
blue	T3
green	GND
red/black	T4
white/black	T5
blue/black	T6
orange/black	B1
black/white	B2



GENERAL CONTROL PANEL LAYOUT

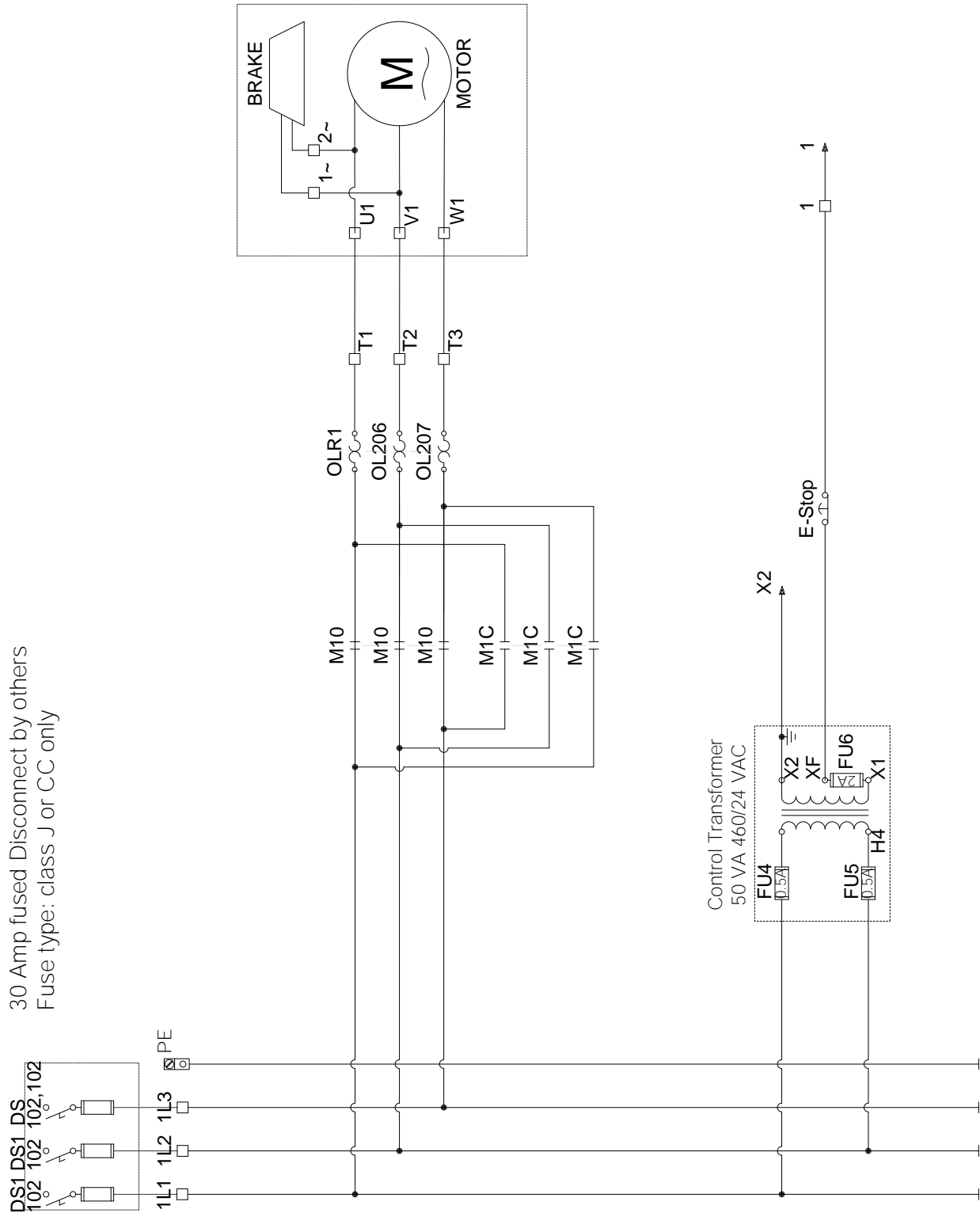


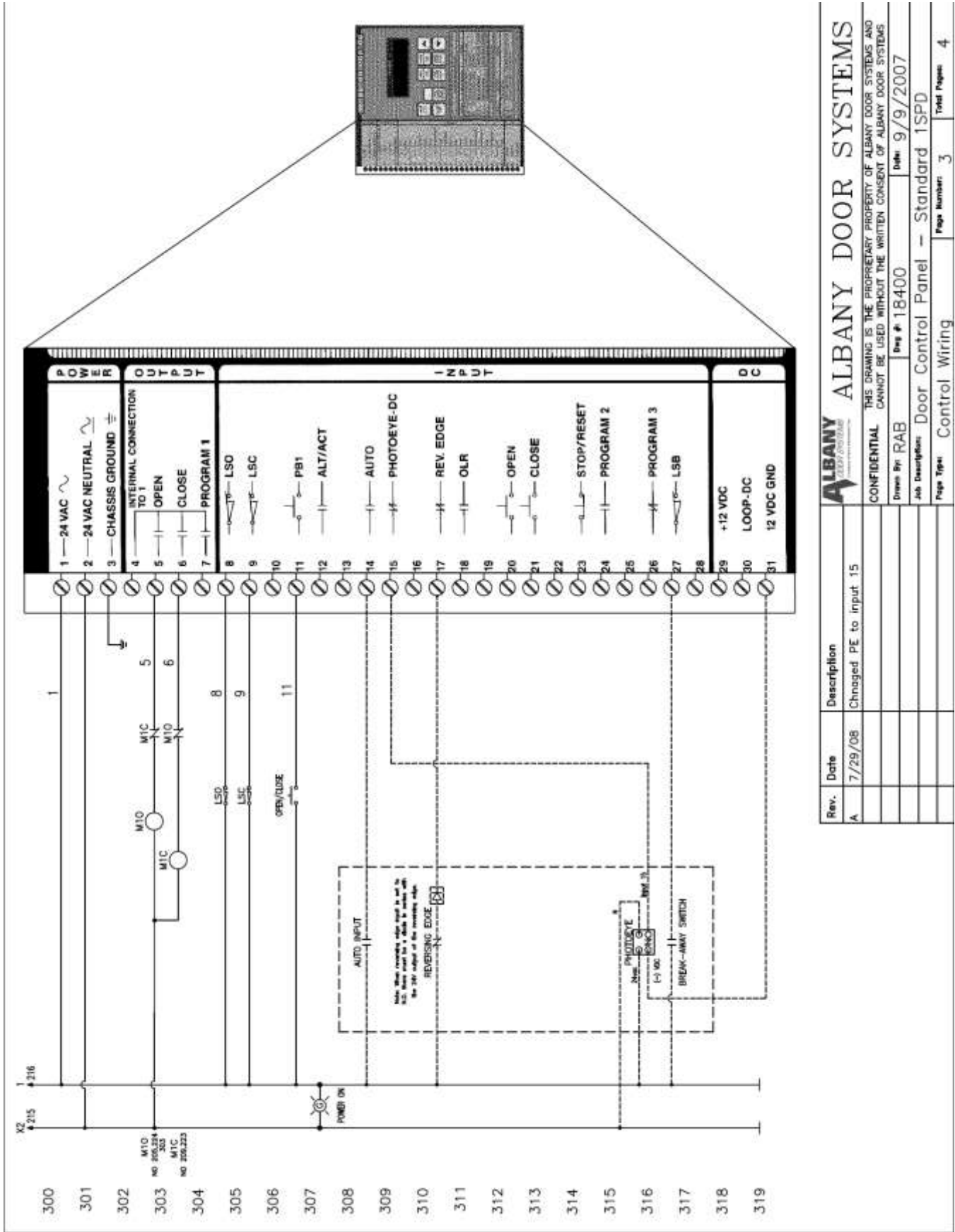
Enclosure View



Panel View

GENERIC SCHEMATIC FOR ONE-SPEED MOTORS





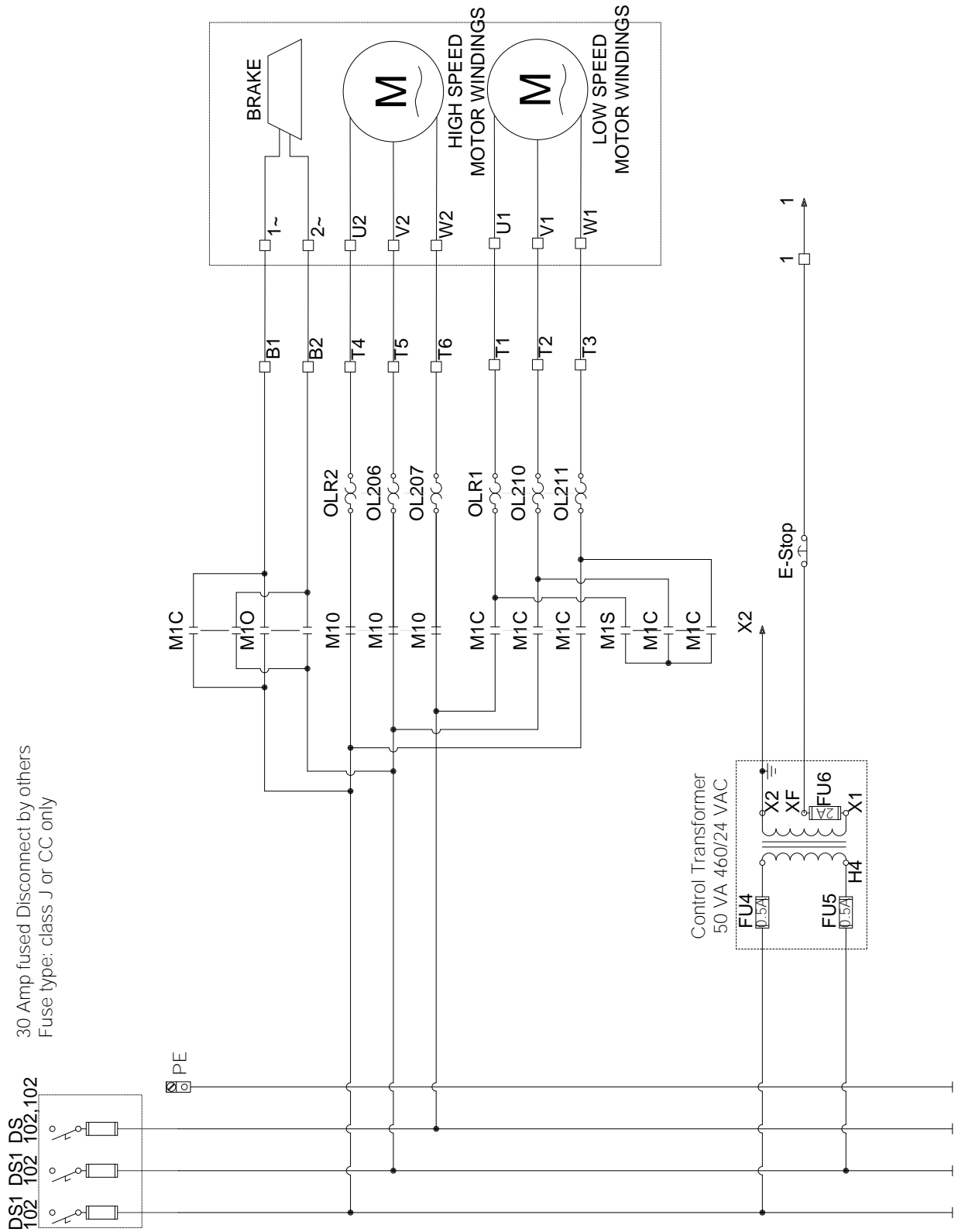
Rev.	Date	Description
A	7/29/08	Chnged PE to input 15

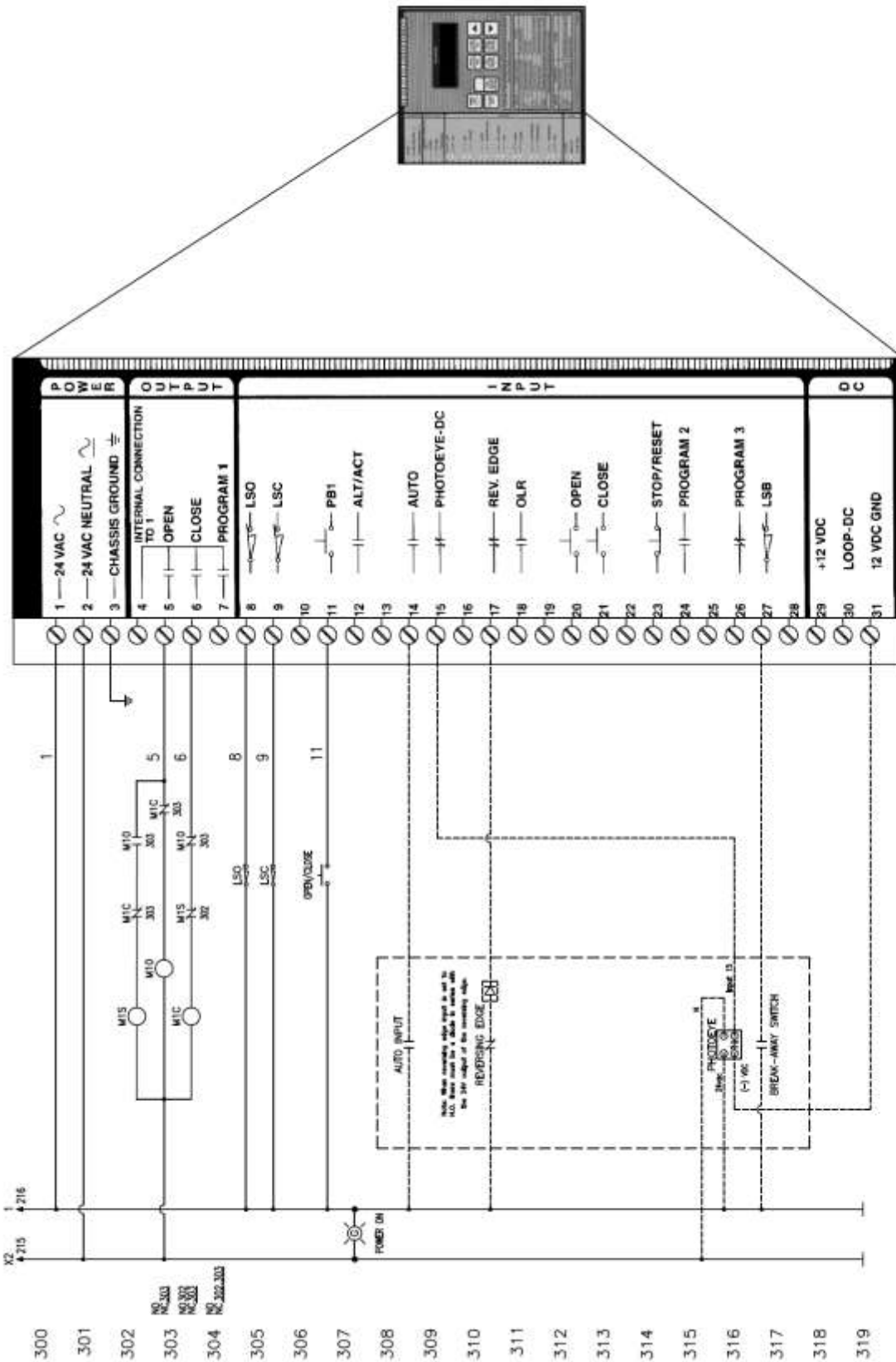
ALBANY DOOR SYSTEMS

THIS DRAWING IS THE PROPRIETARY PROPERTY OF ALBANY DOOR SYSTEMS AND CANNOT BE USED WITHOUT THE WRITTEN CONSENT OF ALBANY DOOR SYSTEMS

Drawn By: RAB Date: 9/9/2007
 Job Description: Door Control Panel -- Standard 1SPD
 Page Number: 3 Total Pages: 4

GENERIC SCHEMATIC FOR TWO-SPEED MOTORS





Rev.	Date	Description
A	7/29/08	Changed PE to input 15

ALBANY DOOR SYSTEMS

THIS DRAWING IS THE PROPRIETARY PROPERTY OF ALBANY DOOR SYSTEMS AND CANNOT BE USED WITHOUT THE WRITTEN CONSENT OF ALBANY DOOR SYSTEMS

Drawn By: RAB	Rev # 18500	Date: 9/9/2007
Job Description: Door Control Panel - Standard 2SPD		
Page Type: Control Wiring	Page Number: 3	Total Pages: 4

Limit Setting Procedure

Tap the Open Jog button and ensure that the door moves in the up direction. If the door closes, then the phase rotation on the drive unit is backwards. Swap two of the three incoming power leads in the panel to change the motor rotation (terminals L1, L2, and L3).

CAUTION

Rotation of the top limit cam in the wrong direction may cause the bottom beam assembly to jam in the top roll.

1. Move the door to the full open position by slowly and repeatedly tapping the open jog button.
2. Remove the limit switch box cover and manually bring the door down to a half open position using the jog buttons. Observe the rotation direction of the limit cams while the door moves.
3. Rotate the adjustment screw on the *Open limit cam* (brown & black wires) until it makes contact with its associated microswitch.
4. Move the door closed to its fully closed position. Observe the rotation direction of the limit cams while the door moves.
5. Rotate the *Closed limit cam* (blue & black wires) until it makes contact with its associated microswitch.

CAUTION

Be prepared to press the emergency stop button if the door appears to overshoot the limits.

7. Press the open/close pushbutton on the front of the panel. The door will open at full speed. Press the open/close pushbutton again and the door will close. Observe the door limits (open and closed).
8. Continue to finely adjust each cam until the desired door limits are attained. Once the door limits are adjusted correctly and the door is operating satisfactorily. Replace the limit switch box cover.

Digital Gateway Startup Procedure

Install the door following the procedures outlined in the door installation manual.

Make all the necessary electrical connections. Follow the electrical schematic shipped in each door's control box. The schematics shown in this manual are for informational purposes only. See Section 2 for a description of the various inputs to the Digital Gateway.

Turn on the power. If any required NC connections are missing, the display message CONnECt and the missing input LED will blink. Once the connection is made, the LEDs will go off and the system will be ready for operation.

Set the timers as required. The backup timers should be set 1 - 2 seconds longer than it will take the door to open or close. The A/A Close Delay and Auto Close Delay timers should be set as required for proper closing of the door. See Section 4: Setting the Timers.

Run the door. Check the door for proper operation. Check the motor rotation, limits, reversing edge, breakaway kill switch, timer settings etc. Check all activators for proper operation.



Installation Checklist

Please fill out below and return to Albany Door Systems

Customer _____
 Location: _____
 Contact: _____
 Install Company: _____

Installation Date(s): _____
 Door Serial #(s): _____
 Contact Phone #: _____
 Contact & Phone #: _____

Mechanical Installation (All Doors)

Yes No

Is the door secured to the wall using thru-bolts?

If No, what type of anchor was used?

Are the door roll and rear spreader level?

Are the side columns plumb?

Does the door have counterweights?

If Yes, are the straps routed properly?

Is the door caulked or sealed to the wall?

Are there any visible gaps between the door and the wall?

If No, did the customer contact approve of door to wall seal?

Is there any visible damage to the door?

If Yes, what is the damage?

Was Customer Service notified of the damage?

Was the customer contact notified of the damage?

Electrical Installation

Yes

No

Were the factory supplied cables (motor, encoder & 7-wire) long enough?

If No, which cables were too short?

If No, was Customer Support contacted and new cables sent?

Were the schematics easy to read for electrical hook-up?

What type of conduit was used to route the cables to the door?

Is the conduit routed to the bottom of the control box?

If No, did the customer approve this?

If No, why?

If Yes, who was the customer contact that approved?

Door Start-Up

Yes

No

Was the door start-up procedure easy to follow?

If No, what problem(s) did you run into?

Was Customer Support notified of these issues?

Is the Reversing Edge working?

Are the front and rear light curtains (or photo-eyes) working?

Do the bottom bar breakaway switches work?

Does the door's self-repair feature work when the door is broken away?

If the door has counterweights, does the egress work?

Activation

Yes

No

What type of activation is being used? _____

Was the activation supplied by Albany Door Systems? _____

Did the customer approve of the mounting and operation of the activators?

Comments

Please email digital pictures of the installed door to: support@albint.com