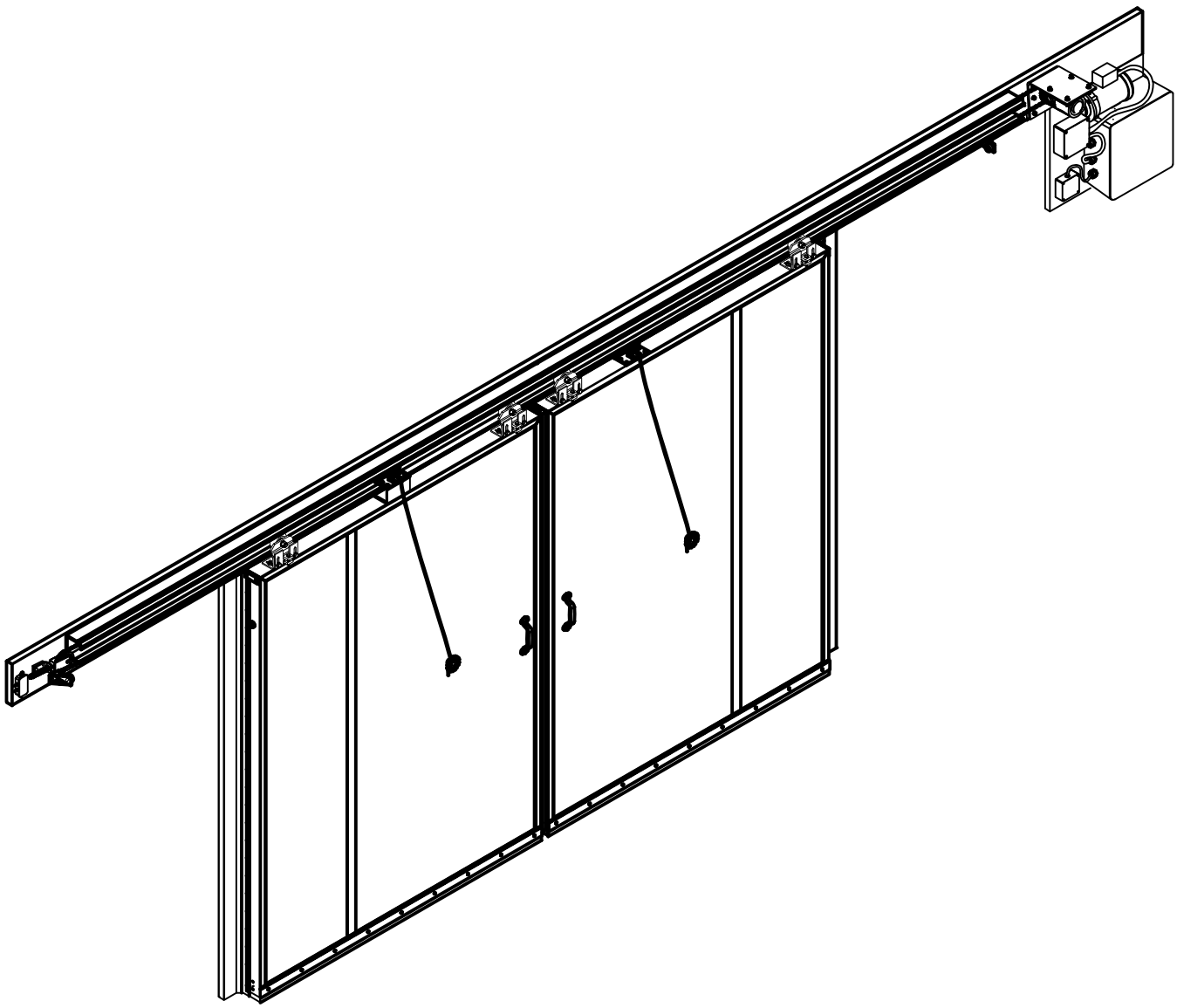
Hercules™ BI-PART SLIDING DOOR
MODEL EBP-i 1900 RLSM
INSTALLATION INSTRUCTIONS



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Hercules™ BI-PARTING DOOR
MODEL EBP-i 1900 RLSM
INSTALLATION INSTRUCTIONS

Contents Pg No.

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Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS

Notice to installer
(Please read this notice before attempting installation)

Hercules doors are high quality products that are time tested to function properly if installed in accordance with the installation instructions. It is in the installer's best interest that the doors be installed properly. Please read and follow the installation instructions carefully to avoid costly time on the job correcting installation mistakes. Hercules warrants our products for defects in material and workmanship only. Since the installation of our products is beyond our control, Hercules does not warranty labor.

It is the responsibility of the installer to make sure that the mounting structure (walls) to which the door is to be attached is straight, level, and on the same plane with each other around the door opening as well as the floor surface. If these conditions cannot be met, the vertical casings and header must be shimmed to ensure that the door, when properly adjusted, will provide the proper sealing required. The floor must be flat, level, and in good condition for the bottom seal to be effective.

Warning!

Only qualified and experienced cold storage door installers and electricians should attempt to install or service this product. Installation by non-qualified personnel may result in serious injury during the installation process or during actual operation and in the use of this door.

Avertissement!

Seulement du personnel qualifié devrait faire l'installation de cette porte. L'installation fait par du personnel non-qualifié, peut entrainer des blessures graves durant l'installation et / ou l'utilisation de la porte.

Please Note!

(Heater Voltage is 115 V AC For Freezer Doors)

VEUILLEZ NOTER!

Voltage du câble chauffant est 120 V AC pour les portes de congélateurs

Hercules may be reached at: 1-800-543-4455 if assistance is required.

Door Specifications:

Door serial #

Size: Width in clear in inches (W.I.C) =

Height in clear in inches (H.I.C.) =

Note: If door is a thru-wall model, rough opening will need to be 3¼" wider than the W.I.C. and 1⅝" taller than the H.I.C.

Door Model: BPE-EHD Thru-wall: Yes No Wall Thickness:

Opening Direction: BP

Door Style: Freezer Cooler Door Heater (Freezer Doors Only): Volts AC Watts

Door Type: ELECTRIC

Door Operator Voltage:

Door Activation Devices:

DOOR HEATER VOLTAGE APPLIES TO FREEZER DOORS ONLY! COOLER DOORS DO NOT HAVE HEATER WIRES!

1.2 These are the tools that might be required for installation

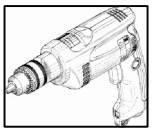
1.2 Ce sont les outils qui pourraient être requis pour l'installation

PRYBAR

C-CLAMP

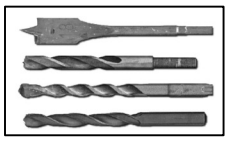
COMBINATION WRENCHES

HAMMER



ELECTRIC DRILL

VISE GRIPS



DRILL BIT SET

HAMMER DRILL

LEVEL

RUBBER MALLET

MEASURING TAPE

UTILITY KNIFE

TIN SNIPS/SCISSORS

CAULKING GUN

SHIMS

LADDER

SOCKET WRENCH SET

SCREWDRIVER SET

LIFTING EQUIPMENT MAY BE REQUIRED DEPENDING ON DOOR SIZE

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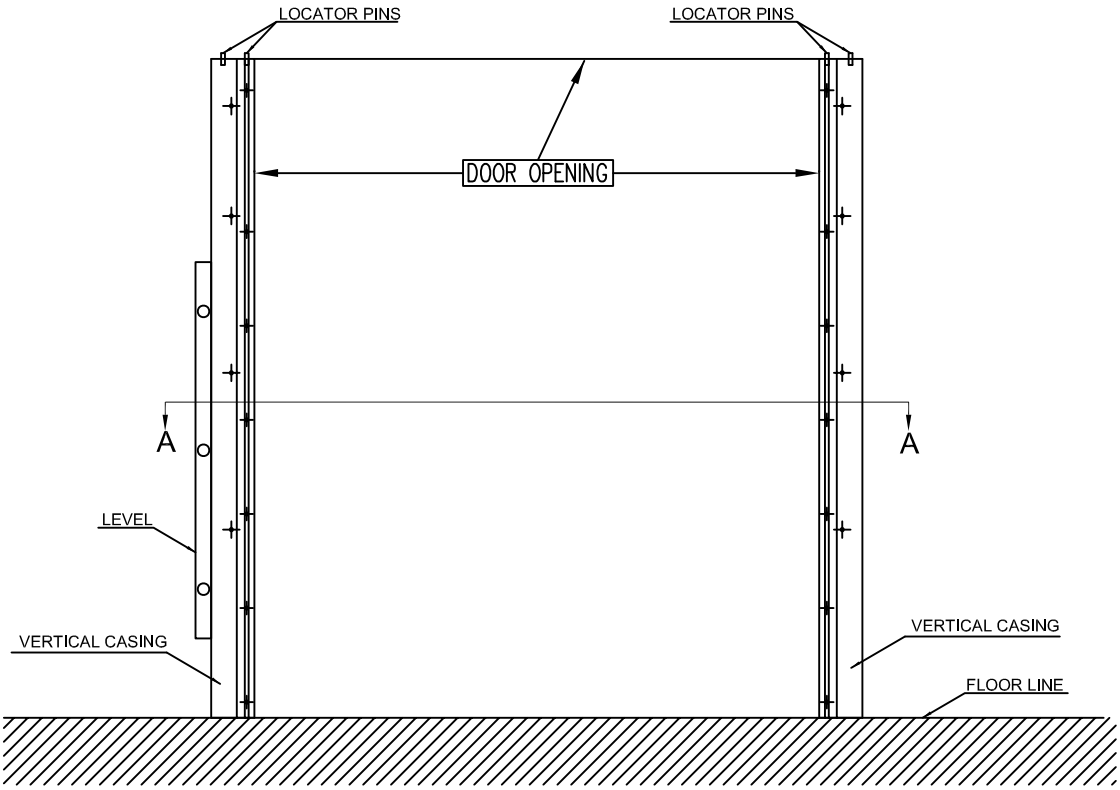

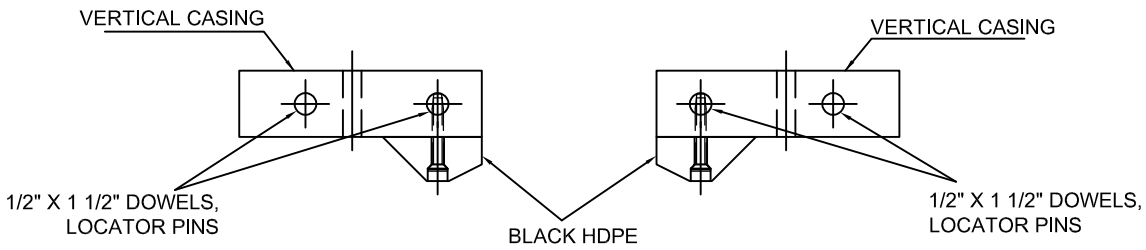

SECTION A-A

VERTICAL CASING INSTALLATION

STEP - 1. PREPARATION:
MEASURE WIDTH AND HEIGHT OF FRAMED OPENING AND COMPARE WITH DIMENSIONS GIVEN AT TIME OF ORDERING.

STEP - 2.
STAND ONE VERTICAL CASING UP TO THE WALL ALONG AN EDGE OF DOOR OPENING.

STEP - 3.
USING A LEVEL, MAKE SURE THE CASING IS STRAIGHT AND PLUMB.

STEP - 4.
IF BOTTOM OF CASING IS LOWER THAN HIGH POINT IN FLOOR, SHIM UNDER BOTTOM OF CASING SO THAT IT IS LEVEL WITH HIGH POINT IN FLOOR. THEN TEMPORARILY CLAMP OR LAG THE CASING TO THE WALL.

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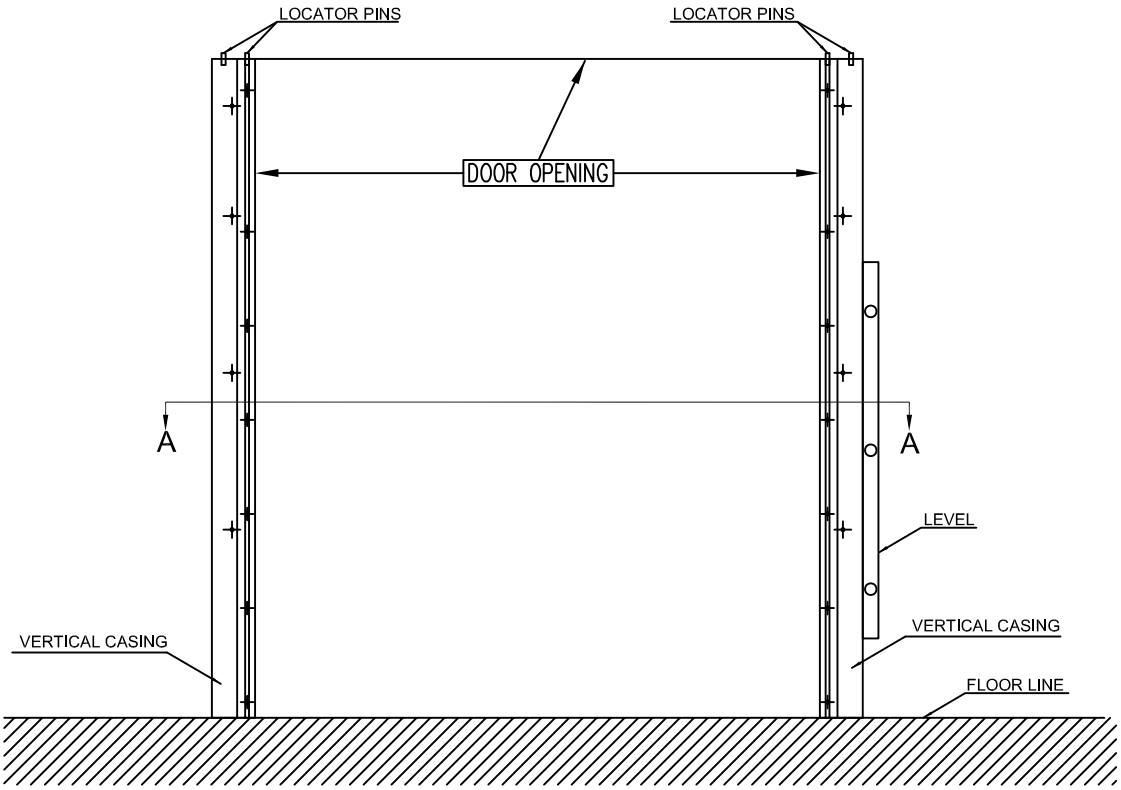
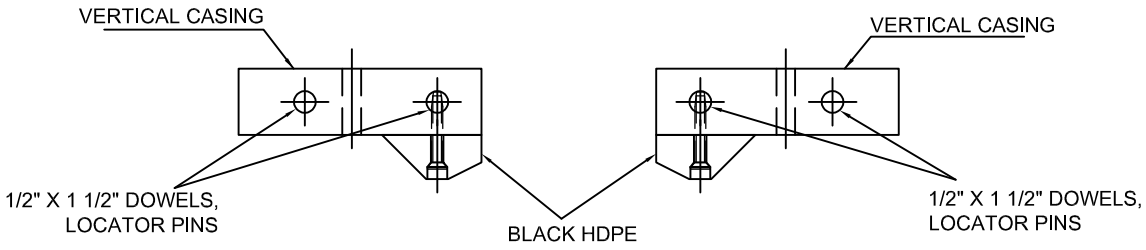
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS





SECTION A-A

VERTICAL CASING INSTALLATION (CONTINUED)

STEP - 5.

a) STAND THE OTHER VERTICAL CASING UP TO THE WALL ALONG THE OTHER EDGE OF DOOR OPENING.

b) ADJUST THE CASING TO BE THE SPECIFIED WIDTH IN CLEAR OF THE DOOR OPENING AS SPECIFIED ON PAGE 3 OF THESE INSTRUCTIONS.

c) THIS CASING MAY HAVE TO BE ADJUSTED SLIGHTLY WHEN THE HEADER IS INSTALLED SO AS TO ALIGN WITH HOLES IN HEADER FOR LOCATOR PINS (NOT ON THRU-WALL JAMBS MODEL).

STEP - 6.

USING A LEVEL, MAKE SURE THE CASING IS STRAIGHT AND PLUMB. ALSO CHECK TOP OF CASINGS WITH STRING, WATER, OR LASER LEVEL TO MAKE SURE THEY ARE LEVEL.

STEP - 7.

IF BOTTOM OF CASING IS LOWER THAN HIGH POINT IN FLOOR, SHIM UNDER BOTTOM OF CASING SO THAT IT IS LEVEL WITH HIGH POINT IN FLOOR. THEN TEMPORARILY CLAMP OR LAG THE CASING TO THE WALL.

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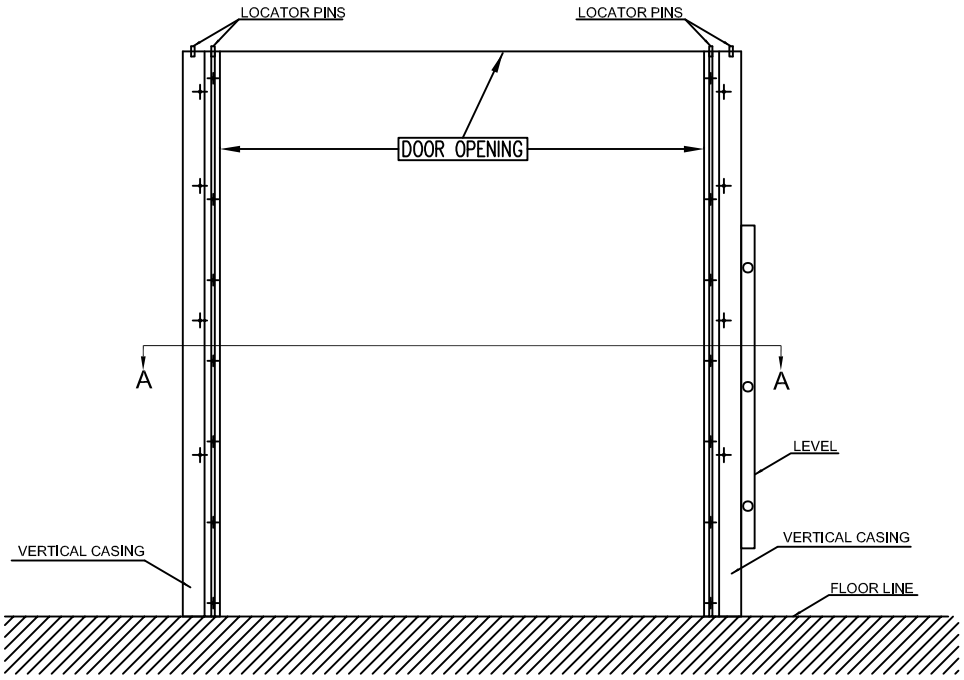
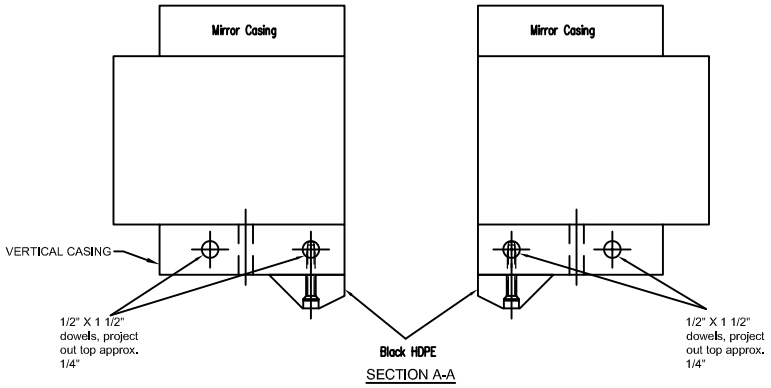
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS



For 1 1/2" thick thru wall casings (Finish Opening = Rough Opening Width - 3 ½" and Rough Opening Height - 1 ¾")
For 1" thick thru wall casings (Finish Opening = Rough Opening Width - 2 ½" and Rough Opening Height - 1 ¼")
(NOTE: casing size determined by size and operation of door)



VERTICAL CASING INSTALLATION INSTRUCTIONS- MIRROR CASINGS

STEP - 1.

a) STAND THE VERTICAL CASING AND MIRROR IMAGE CASING ON OPPOSITE SIDE OF WALL UP TO THE WALL ALONG THE EDGE OF DOOR OPENING.
b) ADJUST THE CASING TO BE THE SPECIFIED WIDTH IN CLEAR OF THE DOOR OPENING AS SPECIFIED ON PAGE 3 OF THESE INSTRUCTIONS.
c) GENTLY TAP THE MIRROR IMAGE VERTICAL CASING WITH A RUBBER MALLET TO ALIGN WITH OPENING.
d) USING LARGE C-CLAMPS, LIGHTLY SECURE BOTH CASINGS TO THE PANEL OR WALL
e) THIS CASING MAY HAVE TO BE ADJUSTED SLIGHTLY WHEN THE HEADER IS INSTALLED SO AS TO ALIGN WITH HOLES IN HEADER FOR LOCATOR PINS.

STEP - 2.

USING A LEVEL, MAKE SURE THE CASING IS STRAIGHT AND PLUMB. ALSO CHECK TOP OF CASINGS WITH STRING, WATER, OR LASER LEVEL TO MAKE SURE THEY ARE LEVEL.

STEP - 3.

IF BOTTOM OF CASING IS LOWER THAN HIGH POINT IN FLOOR, SHIM UNDER BOTTOM OF CASING SO THAT IT IS LEVEL WITH HIGH POINT IN FLOOR. THEN TEMPORARILY CLAMP OR LAG THE CASING TO THE WALL.

REPEAT THIS PROCEDURE FOR OPPOSITE EDGE.

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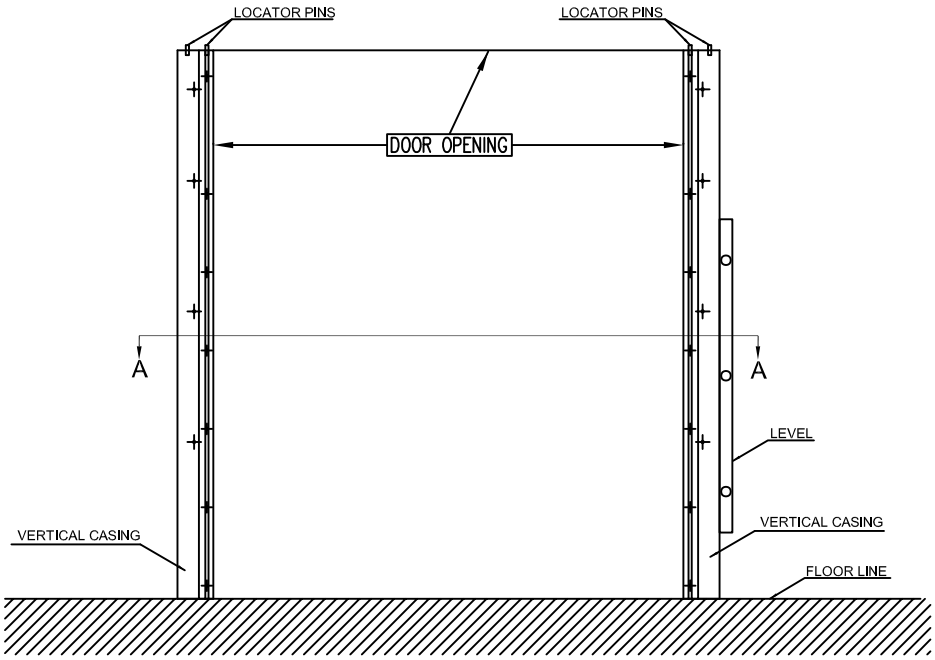
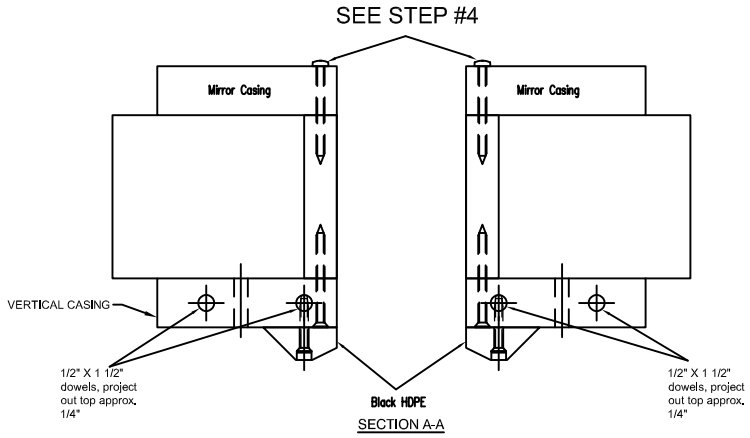
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS



For 1 1/2" thick thru wall casings (Finish Opening = Rough Opening Width - 3 ½" and Rough Opening Height - 1 ¾")
For 1" thick thru wall casings (Finish Opening = Rough Opening Width - 2 ½" and Rough Opening Height - 1 ¼")
(NOTE: casing size determined by size and operation of door)



SECTION A-A

VERTICAL CASING INSTALLATION INSTRUCTIONS - THRU-WALL AND MIRROR CASING

STEP - 1.

a) STAND THE VERTICAL CASING UP TO THE WALL ALONG THE TRAILING EDGE OF DOOR OPENING (BY SLIDING THRU-WALL INTO ROUGH OPENING) AND MIRROR IMAGE VERTICAL CASING ON OPPOSITE SIDE OF PANEL OR WALL.
b) ADJUST THE CASING TO BE THE SPECIFIED WIDTH IN CLEAR OF THE DOOR OPENING AS SPECIFIED ON PAGE 3 OF THESE INSTRUCTIONS.
c) GENTLY TAP THE MIRROR IMAGE VERTICAL CASING WITH A RUBBER MALLET TO ALIGN WITH THRU-WALL.
d) USING LARGE C-CLAMPS, LIGHTLY SECURE BOTH CASINGS TO THE PANEL OR WALL
e) THIS CASING MAY HAVE TO BE ADJUSTED SLIGHTLY WHEN THE HEADER IS INSTALLED SO AS TO ALIGN WITH HOLES IN HEADER FOR LOCATOR PINS.

STEP - 2.

USING A LEVEL, MAKE SURE THE CASING IS STRAIGHT AND PLUMB. ALSO CHECK TOP OF CASINGS WITH STRING, WATER, OR LASER LEVEL TO MAKE SURE THEY ARE LEVEL.

STEP - 3.

IF BOTTOM OF CASING IS LOWER THAN HIGH POINT IN FLOOR, SHIM UNDER BOTTOM OF CASING SO THAT IT IS LEVEL WITH HIGH POINT IN FLOOR. THEN TEMPORARILY CLAMP OR LAG THE CASING TO THE WALL.

STEP - 4.

ATTACH MIRROR CASING WITH #12 X 2" PAN HEAD STAINLESS STEEL WOOD SCREWS FOR 1" CASINGS OR #14 X 3" PAN HEAD STAINLESS STEEL WOOD SCREWS FOR 1 1/2" CASINGS

REPEAT THIS PROCEDURE FOR OPPOSITE EDGE.

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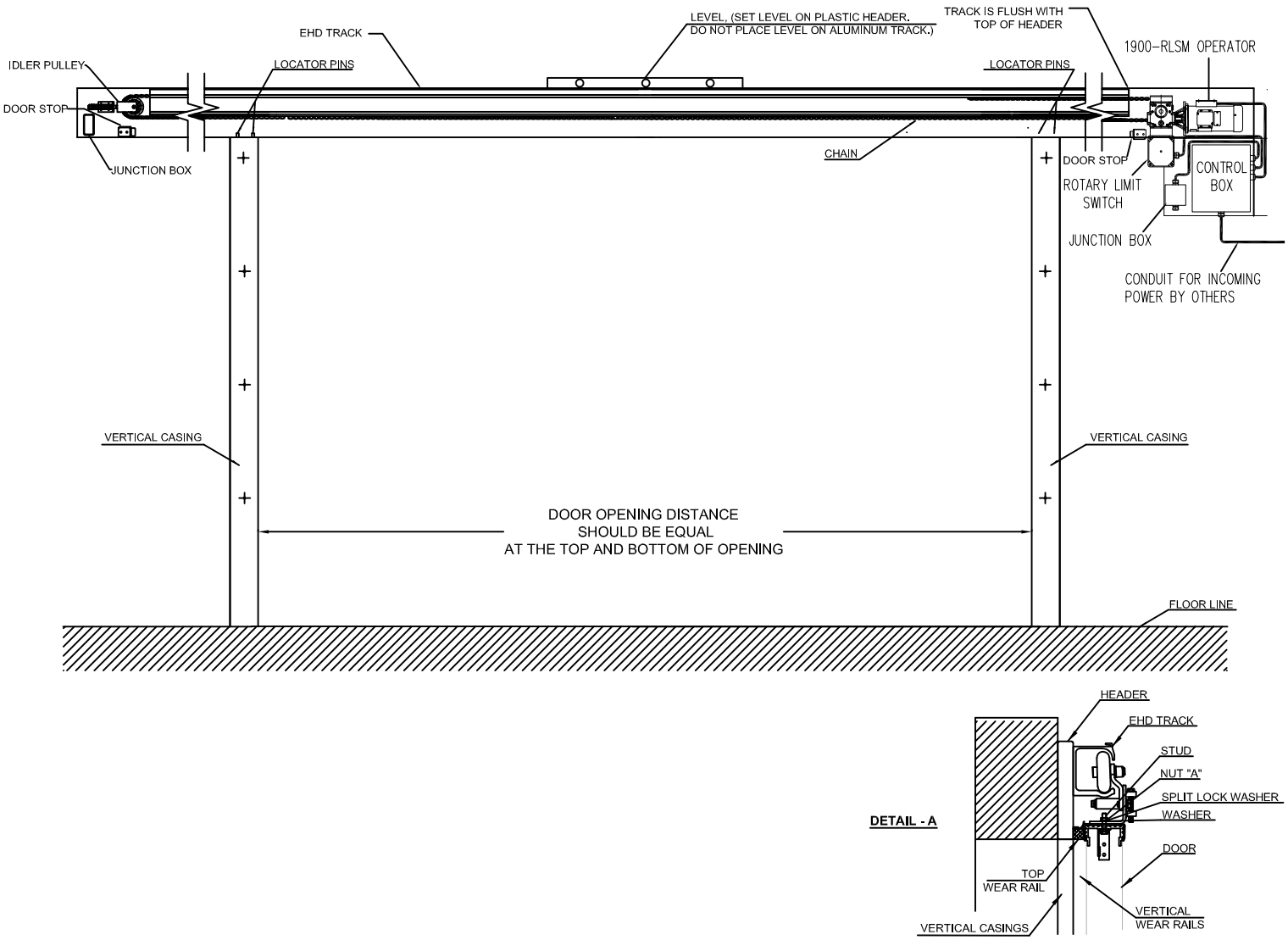
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS



TRACK HEADER & VERTICAL CASING ASSEMBLY

STEP - 1.

a) IF ORDERED, REMOVE THE COVER FROM THE TRACK.
b) USING PROPER METHOD OF LIFTING THE TRACK HEADER, RAISE TRACK HEADER ABOVE THE CASINGS AND LOWER IT DOWN ON TO THE LOCATOR PINS.
c) AT THIS POINT IT MAY BE NECESSARY TO ADJUST THE POSITION OF THE VERTICAL CASING SLIGHTLY TO ALIGN THE PINS.

STEP - 2.

a) USING A LEVEL, CHECK TO MAKE SURE HEADER IS LEVEL, STRAIGHT AND TRUE. LEVEL THE MOLDED PLASTIC HEADER, **NOT THE ALUMINUM TRACK!**

STEP - 3.

a) DRILL A ⅜" HOLE THROUGH THE PRE-DILLLED HOLES IN THE HEADER, VERTICAL CASINGS, AND THROUGH THE WALL OR BOX.
b) USING THE CARRIAGE BOLTS, NUTS, WASHERS, AND FENDER WASHERS SUPPLIED IN THE HARDWARE PARTS BOX, INSERT THE BOLTS & TIGHTEN. DO NOT CUT OFF BOLTS AT THIS TIME.
c) CARRIAGE BOLT HEADS SHOULD BE INSTALLED ON DOOR SIDE OF WALL. NUTS AND WASHERS SHOULD BE USED ON OPPOSITE SIDE OF WALL FROM DOOR.

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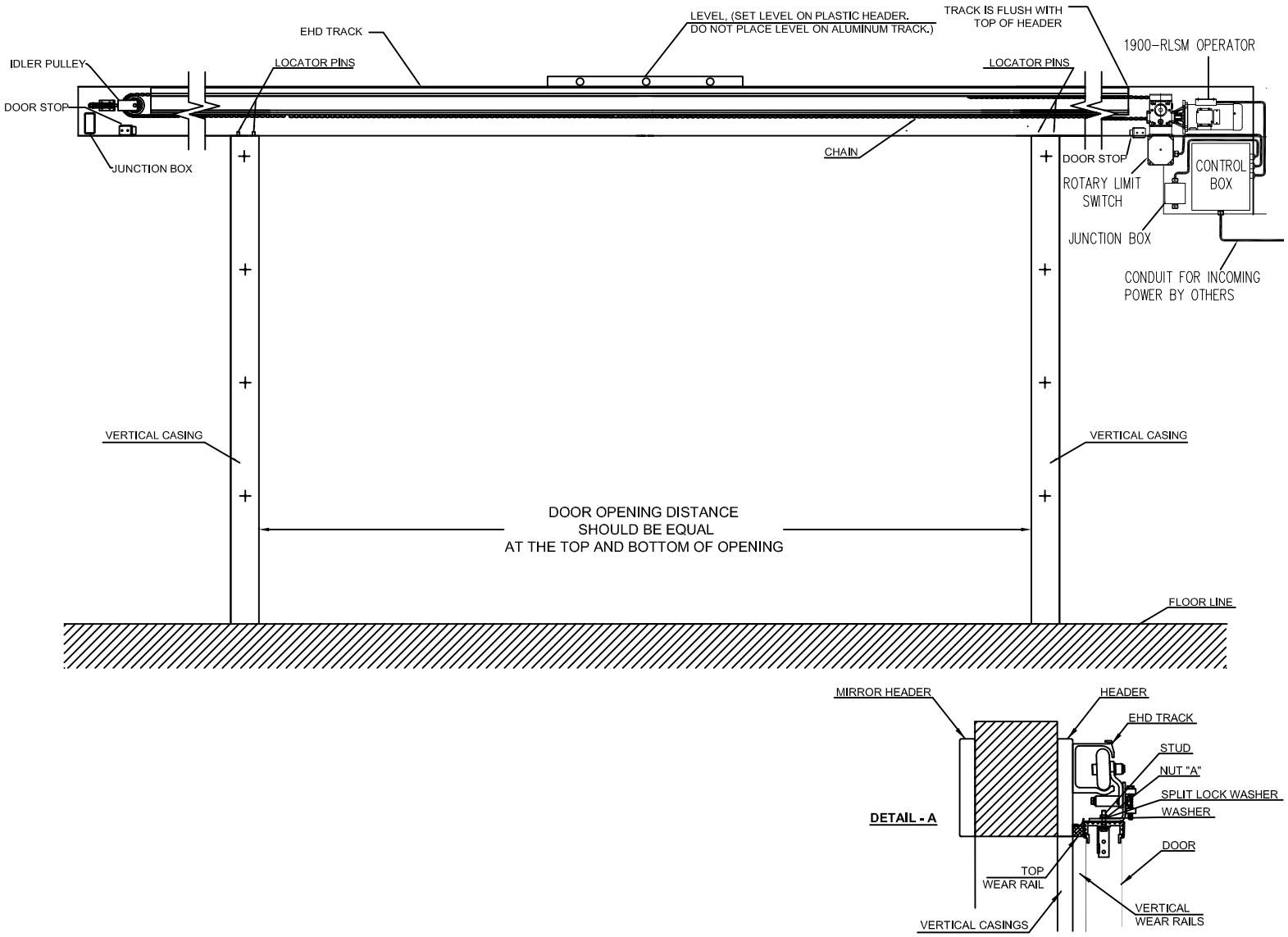
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS



TRACK HEADER & VERTICAL CASING ASSEMBLY - MIRROR HEADER

STEP - 1.

a) IF ORDERED, REMOVE THE COVER FROM THE TRACK.
b) USING PROPER METHOD OF LIFTING THE TRACK HEADER AND MIRROR HEADER CASING, RAISE THEM ABOVE THE VERTICAL CASINGS.
c) WHILE LOWERING HEADER DOWN ONTO THE LOCATOR PINS, MOUNT MIRROR HEADER TO OPPOSITE SIDE OF PANEL OR WALL.
d) AT THIS POINT IT MAY BE NECESSARY TO ADJUST THE POSITION OF THE VERTICAL CASING SLIGHTLY TO ALIGN THE PINS.
e) USING LARGE C-CLAMPS, LIGHTLY SECURE BOTH CASINGS TO THE PANEL OR WALL.
f) GENTLY TAP THE MIRROR IMAGE VERTICAL CASING WITH A RUBBER MALLET TO ALIGN WITH OPENING.

STEP - 2.

a) USING A LEVEL, CHECK TO MAKE SURE HEADER IS LEVEL, STRAIGHT AND TRUE. LEVEL THE MOLDED PLASTIC HEADER, **NOT THE ALUMINUM TRACK!** ALUMINUM TRACK IS SLOPED AS SHOWN ON ELEVATION ABOVE.

STEP - 3.

a) DRILL A $\frac{3}{8}$" HOLE THROUGH THE PRE-DILLLED HOLES IN THE HEADER AND VERTICAL CASINGS
b) USING THE CARRIAGE BOLTS, NUTS, WASHERS, AND FENDER WASHERS SUPPLIED IN THE HARDWARE PARTS BOX, INSERT THE BOLTS & TIGHTEN. DO NOT CUT OFF BOLTS AT THIS TIME.
c) CARRIAGE BOLT HEADS SHOULD BE INSTALLED ON DOOR SIDE OF WALL. NUTS AND WASHERS SHOULD BE USED ON OPPOSITE SIDE OF WALL FROM DOOR.

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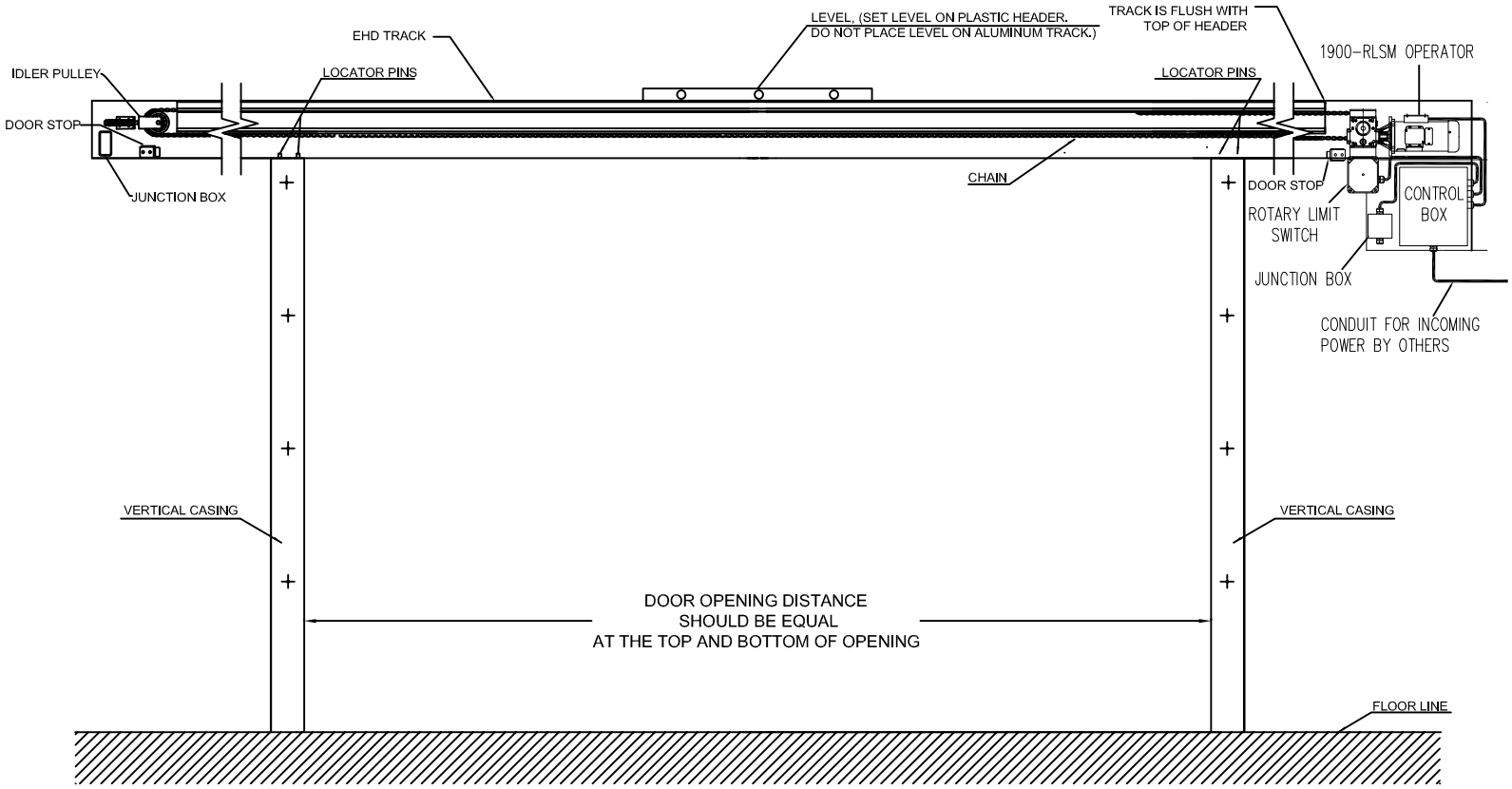
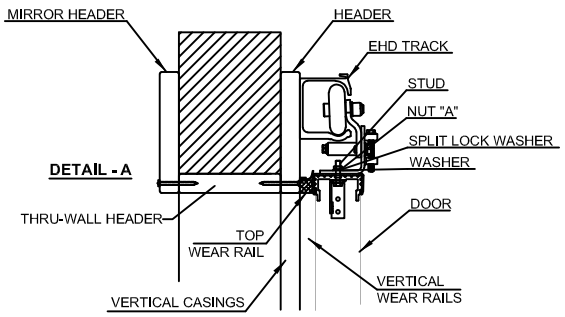
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS





TRACK HEADER & VERTICAL CASING ASSEMBLY-THRU-WALL AND MIRROR HEADER

STEP - 1.

a) IF ORDERED, REMOVE THE COVER FROM THE TRACK.
b) USING PROPER METHOD OF LIFTING THE TRACK HEADER THRU-WALL AND MIRROR HEADER CASING, RAISE THEM ABOVE THE VERTICAL CASINGS.
c) SLIDE THRU-WALL INTO ROUGH OPENING, AND MOUNT MIRROR HEADER TO OPPOSITE SIDE OF PANEL OR WALL.
d) USING LARGE C-CLAMPS, LIGHTLY SECURE BOTH CASINGS TO THE PANEL OR WALL.
e) GENTLY TAP THE MIRROR IMAGE VERTICAL CASING WITH A RUBBER MALLET TO ALIGN WITH THRU-WALL.

STEP - 2.

a) USING A LEVEL, CHECK TO MAKE SURE HEADER IS LEVEL, STRAIGHT AND TRUE. LEVEL THE MOLDED PLASTIC HEADER, **NOT THE ALUMINUM TRACK!** ALUMINUM TRACK IS SLOPED AS SHOWN ON ELEVATION ABOVE.

STEP - 3.

a) DRILL A $\frac{3}{8}$" HOLE THROUGH THE PRE-DILLLED HOLES IN THE HEADER AND VERTICAL CASINGS
b) USING THE CARRIAGE BOLTS, NUTS, WASHERS, AND FENDER WASHERS SUPPLIED IN THE HARDWARE PARTS BOX, INSERT THE BOLTS & TIGHTEN. DO NOT CUT OFF BOLTS AT THIS TIME.
c) CARRIAGE BOLT HEADS SHOULD BE INSTALLED ON DOOR SIDE OF WALL. NUTS AND WASHERS SHOULD BE USED ON OPPOSITE SIDE OF WALL FROM DOOR.

STEP - 4.

ATTACH MIRROR CASING WITH #12 X 2" PAN HEAD STAINLESS STEEL WOOD SCREWS FOR 1" CASINGS OR #14 X 3" PAN HEAD STAINLESS STEEL WOOD SCREWS FOR 2" CASINGS

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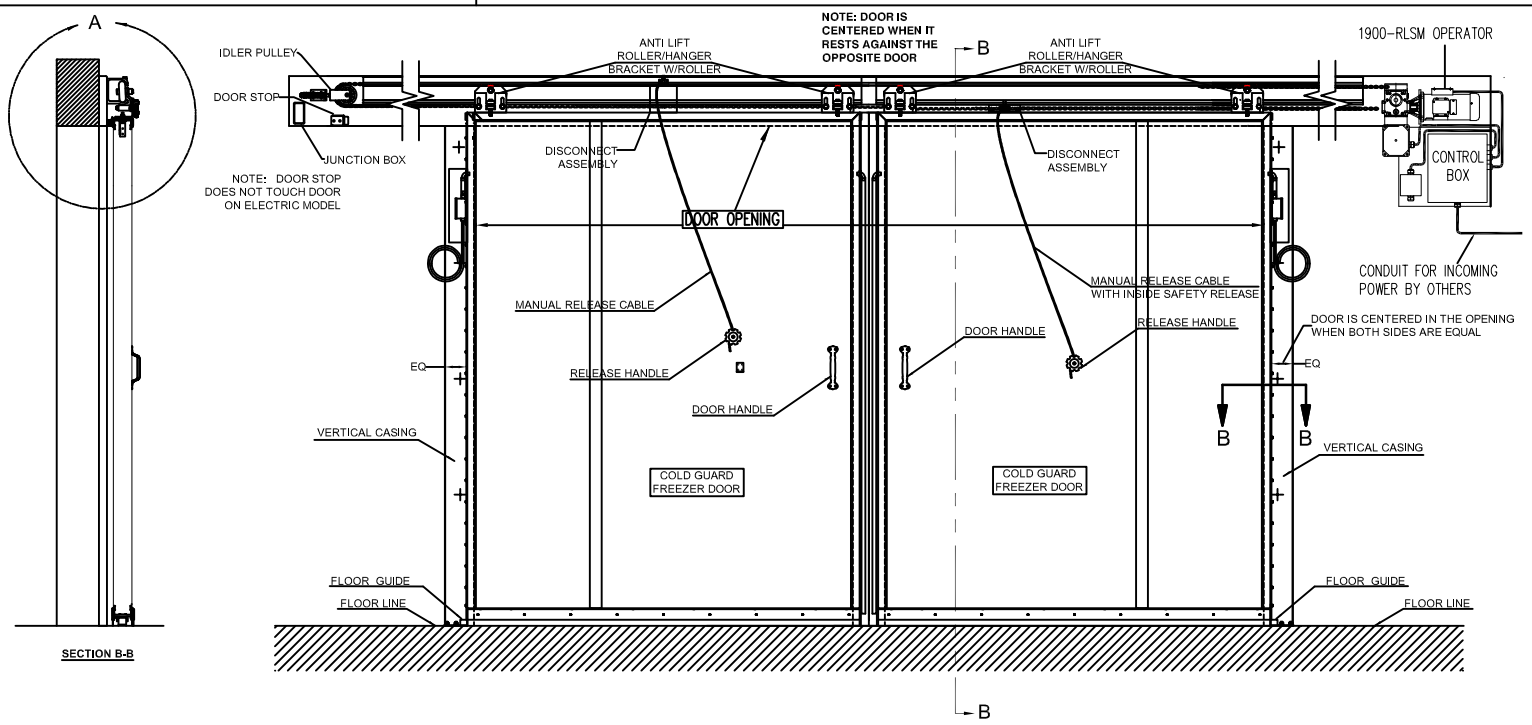

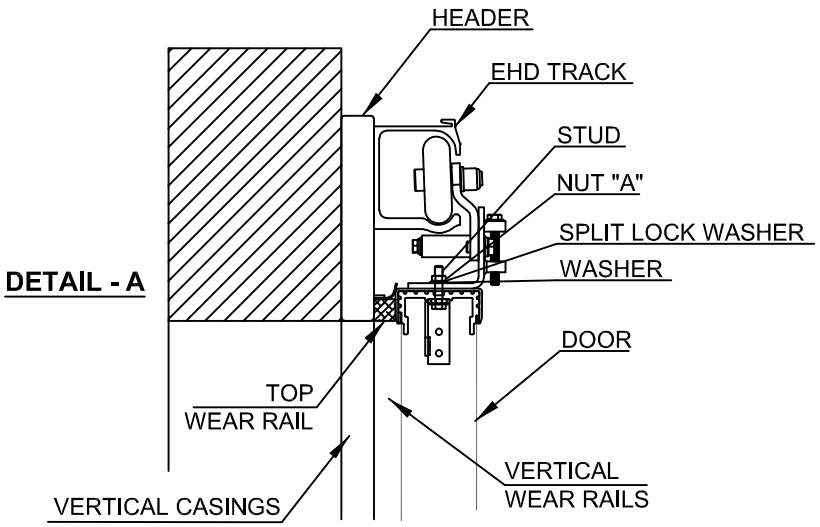

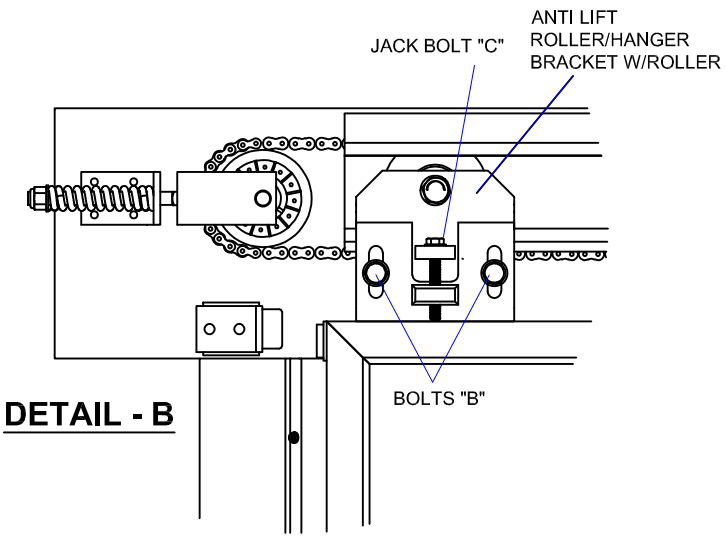

DOOR & ROLLER/HANGER INSTALLATION

STEP - 1.

a) SLIDE THE ROLLER/HANGER BRACKETS W/ROLLER (LOCATED IN HARDWARE PARTS BOX) ONTO THE RAIL FROM ONE END OF THE RAIL.
b) POSITION THEM ON THE RAIL APPROXIMATELY THE SAME DISTANCE AS THE STUDS ON THE DOOR AND NEAR THE CENTER OF THE DOOR OPENING.

STEP - 2. (SEE DETAIL - A,B)

a) STAND ONE DOOR UPRIGHT, AND ENGAGE THE ROLLER/HANGER BRACKETS WITH THE STUDS ON THE DOOR.
b) TIGHTEN ROLLER/HANGER BRACKETS TO TOP OF THE DOOR WITH 3/8-16 NUTS,FLAT AND LOCK WASHERS PROVIDED. MAKE SURE WHEEL IS ALIGNED PARALLEL TO TRACK AND TIGHTEN NUTS 'A' TO SECURE ROLLER/HANGER TO TOP OF DOOR.
c) REPEAT PROCESS FOR SECOND DOOR PANEL
d) ADJUST THE HEIGHT OF THE DOOR BY LOOSENING BOLTS 'B' AND ADJUSTING DOOR HEIGHT WITH JACK BOLT 'C'. ADJUST HEIGHT OF DOOR SO THAT THE SEAL IS JUST TOUCHING THE FLOOR.(SEAL IS ONLY ADJUSTABLE AT THE FRONT OF THE DOOR). TIGHTEN BOLTS 'B' TO SECURE DOOR HEIGHT.

STEP - 3. (SEE DETAIL - A,B)

a) SLIDE THE PANELS TO THE CLOSED POSITION.
b) PUSH EACH DOOR "IN" TOWARDS THE WEAR RAILS ON THE VERTICAL CASINGS AND TOP HEADER WEAR RAIL SO THAT YOU HAVE A GOOD SEAL.

IF A COOLER DOOR, LEAVE A 1/16" GAP BETWEEN DOOR AND RAILS.
IF A FREEZER DOOR, LEAVE A 1/8" GAP BETWEEN DOOR AND RAILS.

c) MAKE SURE BOTH DOORS ARE PROPERLY SEALED AGAINST THE WALL AND ALIGNED TO EACH OTHER.
d) RE-CHECK AND TIGHTEN THE NUTS "A" ON THE STUD AS NECESSARY.

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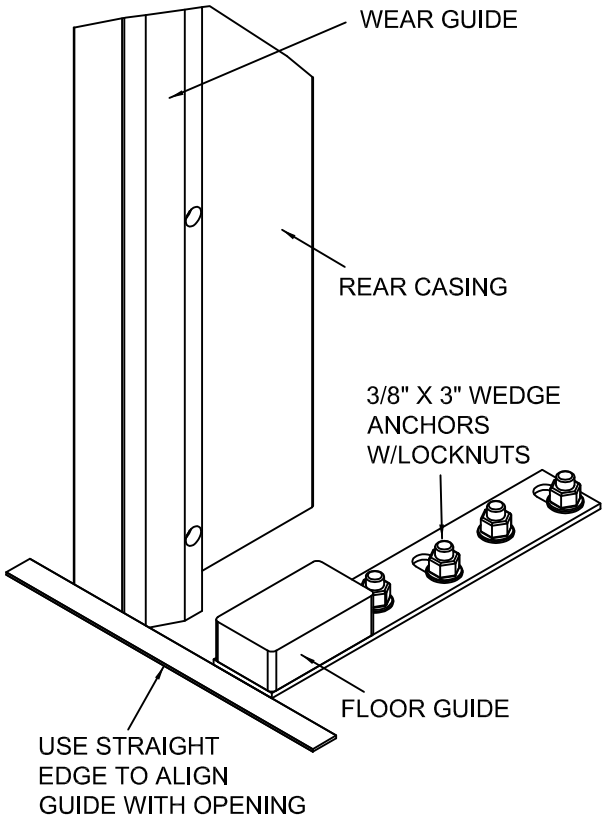
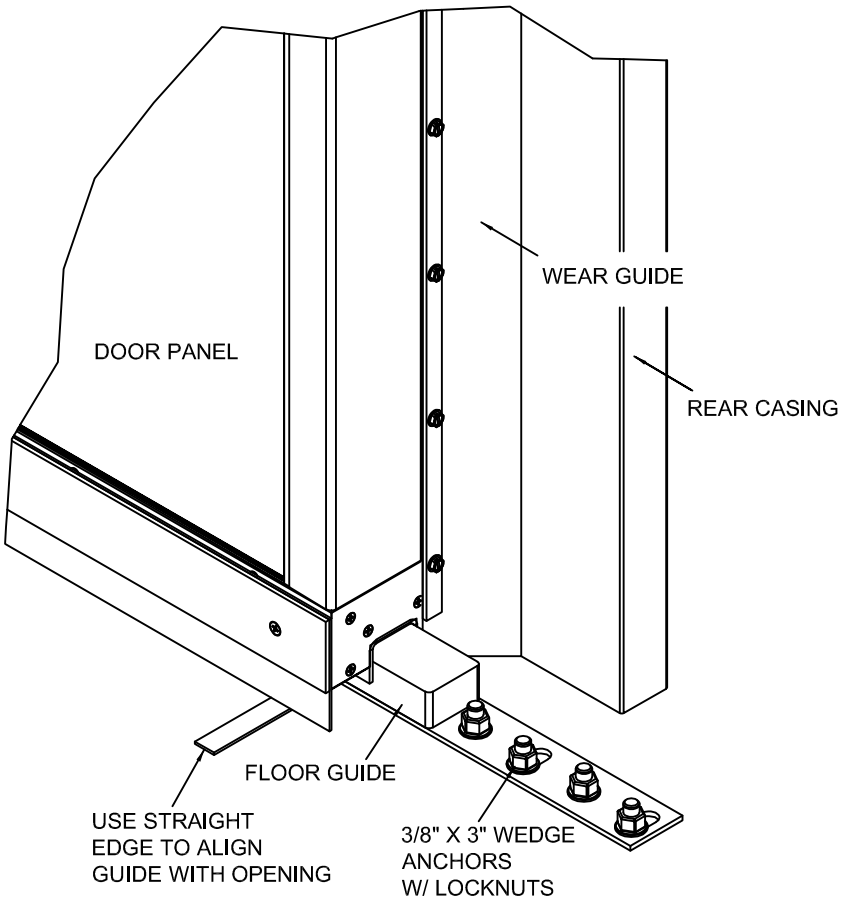
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS

PLEASE REFER TO THIS PAGE FOR STANDARD UNDER PANEL GUIDE SYSTEM. SEE PAGE 16 FOR OPTIONAL OUTBOARD GUIDE SYSTEM.

RH SLIDE SHOWN
LH SLIDE OPPOSITE





SPECIAL NOTE: FASTEN GUIDE TO FLOOR FIRST WITH SLOTTED HOLES. ADJUST GUIDE TO PROPER LOCATION, TEST DOOR, AND TEST SEAL BEFORE FASTENING GUIDE TO FLOOR IN ROUND HOLES!!! AFTER GUIDE IS PROPERLY LOCATED AND FASTENED TO FLOOR, USE LOCK NUTS ON WEDGE ANCHORS TO SECURE ANCHORS.

FLOOR GUIDE INSTALLATION

STEP - 1. (SEE DETAILS ABOVE)

a) PLACE THE DOOR IN THE FULLY CLOSED POSITION. MAKE SURE THE DOOR IS PLUMB AND SEALS AS DESIRED.

b) PLACE A STRAIGHT EDGE UNDER THE DOOR AND INSIDE THE OPENING AS SHOWN IN THE DETAILS ABOVE. SLIDE THE FLOOR GUIDE INSIDE THE GUIDE CHANNEL AT THE TRAILING EDGE OF THE PANEL UNTIL IT BUTTS AGAINST THE STRAIGHT EDGE.

c) CENTER THE GUIDE IN THE CHANNEL SO THAT THERE IS SPACE BETWEEN THE GUIDE AND THE WALLS OF THE GUIDE CHANNEL. DO NOT PINCH THE DOOR BETWEEN THE FLOOR GUIDE AND THE WEAR GUIDE ON THE CASING. SEE DETAIL PAGE #24

d) DRILL TWO 3/8" HOLES IN FLOOR MINIMUM OF 3 INCHES DEEP FOR 3/8" X 3" WEDGE ANCHORS.

e) FASTEN FLOOR GUIDE AS SHOWN USING 3/8" X 3" WEDGE ANCHORS AND 3/8" FLAT WASHERS. USE SHIM(S) IF REQ'D FOR AN UNEVEN FLOOR.

f) CHECK TO MAKE SURE DOOR OPENS AND CLOSES WITHOUT BINDING. IF DOOR BINDS, LOOSEN NUT ON ANCHOR, ADJUST FLOOR GUIDE, AND RE-TIGHTEN NUT.

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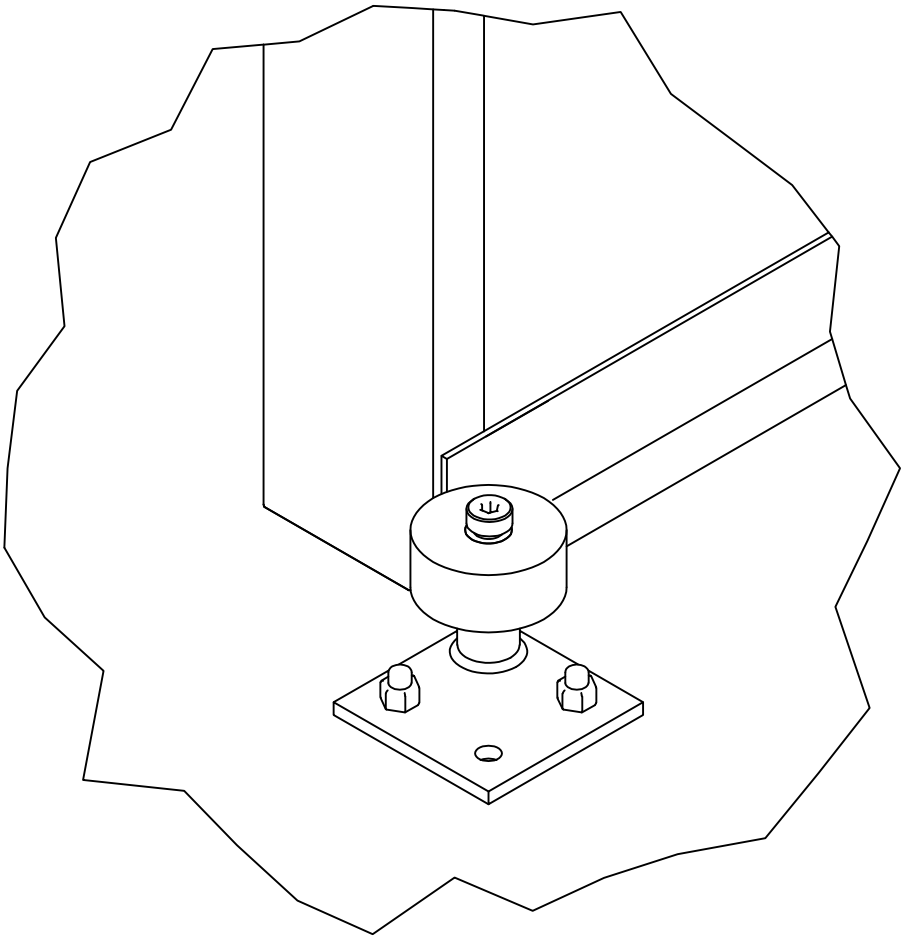
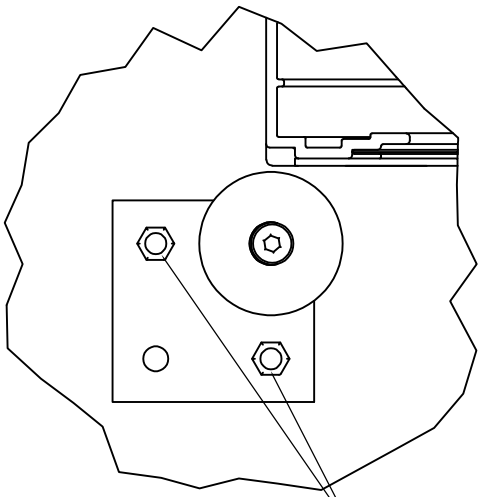
PLEASE REFER TO THIS PAGE FOR OPTIONAL OUTBOUND GUIDE SYSTEM. SEE PAGE 15 FOR STANDARD UNDER PANEL GUIDE SYSTEM.





INSTALL ANCHORS
IN THESE TWO HOLES

RH LEAF SHOWN
LH LEAF OPPOSITE

FLOOR ROLLER INSTALLATION

STEP - 1.

a) PUSH DOOR FULLY CLOSED AND BACK TOWARD THE CASING.
b) WHILE HOLDING DOOR CLOSED, PLACE STAY ROLLER ON FLOOR AS SHOWN.
c) ROLLER SHOULD CONTACT DOOR BRACKET AS SHOWN.
d) MARK THE TWO HOLE LOCATIONS POINTED OUT IN DETAIL "A" ABOVE.
d) DRILL TWO 3/8" HOLES IN FLOOR AT THESE LOCATIONS.
e) INSTALL AND TIGHTEN TWO FLOOR ANCHORS.

STEP - 2.

a) PULL DOOR OPEN AND CLOSED TO CHECK HOLD CLOSE FUNCTION.

b) WHEN GIVING DOOR A MODERATE SLAM CLOSED, THE STAY ROLLER AND BRACKET SHOULD PREVENT DOOR FROM BOUNCING BACK OPEN.

c) IF ANY FURTHER ADJUSTMENTS ARE NECESSARY, ONE FLOOR ANCHOR SHOULD BE REMOVED, AND ANOTHER ANCHOR INSTALLED IN THE THIRD, UNUSED HOLE.

HERCULES
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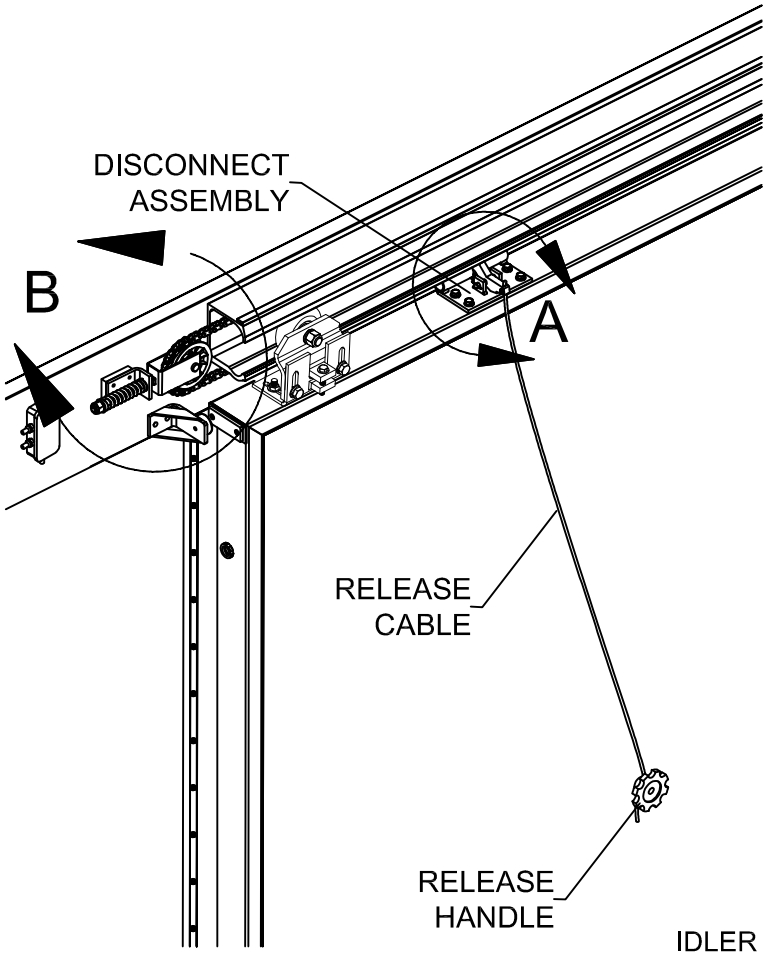
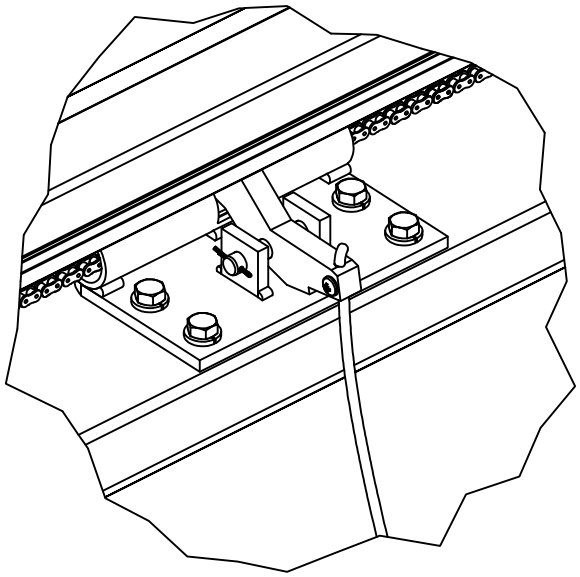
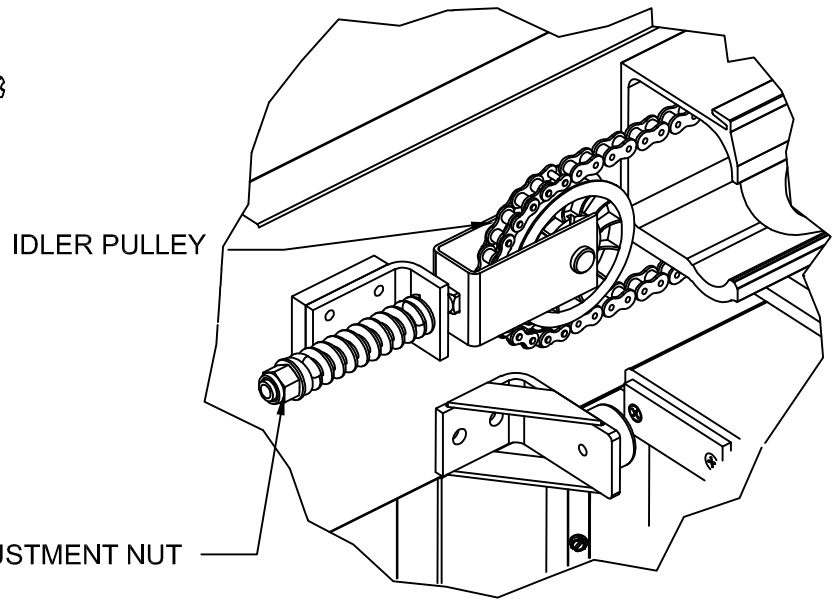
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS





DETAIL A



DETAIL B

DISCONNECT ASSEMBLY INSTALLATION AND IDLER PULLEY ADJUSTMENT

STEP - 1. (SEE DETAIL A)

a) REMOVE THE BOLTS ON TOP OF DOOR AND ATTACH THE DISCONNECT ASSEMBLY AS SHOWN ABOVE. FULLY TIGHTEN THE BOLTS.
b) ATTACH THE RELEASE CABLE TO THE DISCONNECT ASSEMBLY, AND TIGHTEN SCREWS.
c) TEST THE INSIDE SAFETY RELEASE BY TURNING RELEASE HANDLE TO DISENGAGE DISCONNECT ASSEMBLY FROM CATCH PIN. SLIDE DOOR AND RETURN TO ORIGINAL POSITION AND ENGAGE CATCH PIN INTO DISCONNECT ASSEMBLY.

STEP - 2. (SEE DETAIL B)

IMPORTANT: CHAIN SHOULD BE TENSIONED AFTER HEADER IS INSTALLED AND MOUNTED SECURELY TO THE WALL.

a) THE IDLER PULLEY IS PRE-SET AT THE FACTORY TO BE LOOSE FOR SHIPPING PURPOSES.
b) ADJUST THE TENSION ON THE CHAIN BY TIGHTENING THE ADJUSTMENT NUT UNTIL A NICKEL (FOR REFERENCE) WILL NOT FIT, BUT A PENNY (FOR REFERENCE) WILL BETWEEN THE WINDS OF THE SPRING.

NOTE: ADVISE THE END USER TO RE-CHECK AND ADJUST IF NECESSARY AFTER APPROXIMATELY A MONTH AS THE CHAIN MAY STRETCH DURING OPERATION. THEN CHECK AND ADJUST AS NEEDED AT LEAST ONCE EACH YEAR.

4.1 TORQUE CONVERTER (CLUTCH) ADJUSTMENT

NOTE: The torque converter located on the output shaft of the operator serves two purposes:

A. Acts as a secondary protection for personnel in the event someone gets between the door and the panel/wall.
B. Can be adjusted to "slip" at the start of the opening cycle to smooth the opening action of the door.

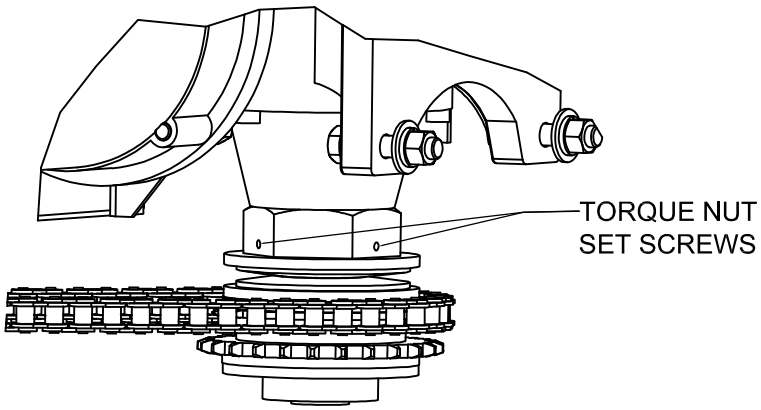
Use discretion as to how easy the torque converter is adjusted to "slip" to provide both safety and a smooth operation.

WARNING: The door disconnect assembly must be engaged to the chain catch pin before starting this procedure. If for some reason the door travels too far or the polarity is incorrect on three phase units, the limit switches will not stop the door and the catch pin on the chain will go around the sprocket and great damage can occur. **NEVER RUN THE MOTOR WITH THE CHAIN DISCONNECTED FROM THE DOOR!**

1. (See Detail A) Loosen the set screws.

2. Tighten the torque nut gradually until there is just enough tension to permit the operator to move the door smoothly through a complete open/close cycle, but will allow the operator to slip if the door is obstructed.

3. Tighten all three screws.



DETAIL A

HERCULES
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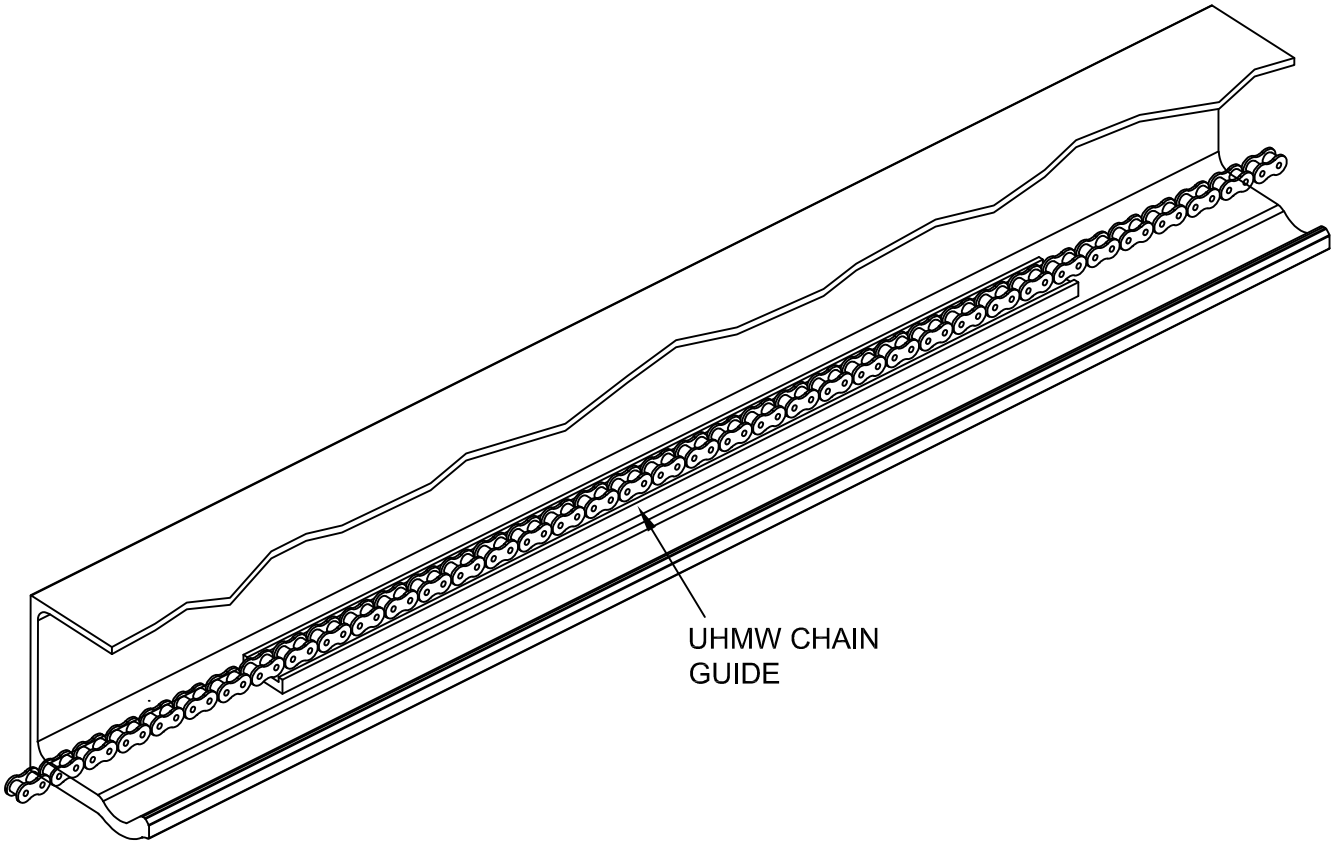
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS



UHMW CHAIN GUIDE FOR OPENINGS 10'-0" WIDE AND LARGER

FOR OPENING WIDTHS 10'-0" AND LARGER, THE CHAIN MAY SAG AND DRAG IN THE BOTTOM OF THE TRACK.

Hercules PROVIDES FOUR, TWO FOOT LONG UHMW CHAIN GUIDES FOR PLACEMENT IN THE TRACK AS REQUIRED WHEN THE OPENING IS 10'-0" WIDE OR WIDER.

LOCATE THE UHMW CHAIN GUIDE IN THE TRACK WHERE THE CHAIN SAGS AND DRAGS IN THE TRACK. IT IS ALSO RECOMMENDED THAT UHMW CHAIN GUIDES BE LOCATED ON EITHER SIDE OF ANY TRACK SPLICES TO PREVENT THE CHAIN FROM DRAGGING ON THE BOLTS THAT SPLICE THE TWO PIECES OF TRACK TOGETHER.

MOUNT THE UHMW CHAIN GUIDES TO THE ALUMINUM DOOR TRACK USING THE VELCRO APPLIED TO THE UHMW GUIDES.

PLEASE READ BEFORE POWERING UP 1900 RLSM OPERATOR!

FAILURE TO FOLLOW THIS PROCEDURE WILL PREVENT PROPER SETUP OF THE OPERATOR AND ERRATIC BEHAVIOR DURING OPERATION!

THE DOOR MUST BE ADJUSTED SO THAT THE BOTTOM GASKET DOES NOT DRAG THE FLOOR THROUGH THE ENTIRE TRAVEL OF THE DOOR!

THE BOTTOM GASKET SHOULD ONLY TOUCH THE FLOOR DURING THE LAST TWO FEET OF TRAVEL BEFORE REACHING THE CLOSED POSITION.

Hercules sliding doors are designed so that they travel on a slightly inclined track. As the door opens it rises and as it closes it lowers the gasket onto the floor. Therefore, the door must be adjusted so that the gasket just touches the floor in the closed position. If the gasket touches the floor through the entire travel of the door, the gasket will be too tight when the door is in the closed position.

If the gasket is too tight, the operator will not be able to determine the proper closed position of the door during setup.

ELECTRIC DOORS ONLY!

Warning: Power is still present inside the control box unless the main power disconnect switch is turned off. A lockable disconnect should be placed within arms reach of the electric operator.

Avertissement: Le courant est toujours présent à l'intérieur du panneau de contrôle à moins que le commutateur principal soit à la position off. Une commutateur avec barrure devrait être installé près de l'opérateur.

Caution: Freezer doors are supplied with one 115 VAC heated pull cord switch and one non-heated switch. The heated switch is mounted in the freezer. Conditions in freezers vary and it may be necessary to shield the switch from refrigeration blowers or to field install insulation to protect from extreme cold or moist conditions. Due to factors beyond our control, pull cord switches are not warranted .
NOTE: All electrical conduit connected to the pull cord switches, junction boxes, or the door panel MUST be 100% vapor sealed to prevent moist air from entering these enclosures. Presence of moisture in any enclosure voids the warranty.

Installer must insure that any conduit or connections to the pull cord switch do not allow any moisture to enter the switch body. Switch damage from moisture entry is not warranted.

Attention: Les portes pour congélateurs viennent avec un commutateur à corde avec chauffage pour congélateur et un sans chauffage. Celui avec chauffage va dans le congélateur. Dans certain cas il peut être nécessaire de protéger le commutateur de la ventilation et de l'isolé des conditions extrêmes. La capacité du câble chauffant de 15 watts pour permettre au commutateur de fonctionné est limité et d'une durée inconnu. En raison de facteur hors de notre contrôle, le commutateur n'est pas garanti. Utiliser tous les moyens possible pour isolé et protéger le commutateur du froid excessif et de l'humidité.

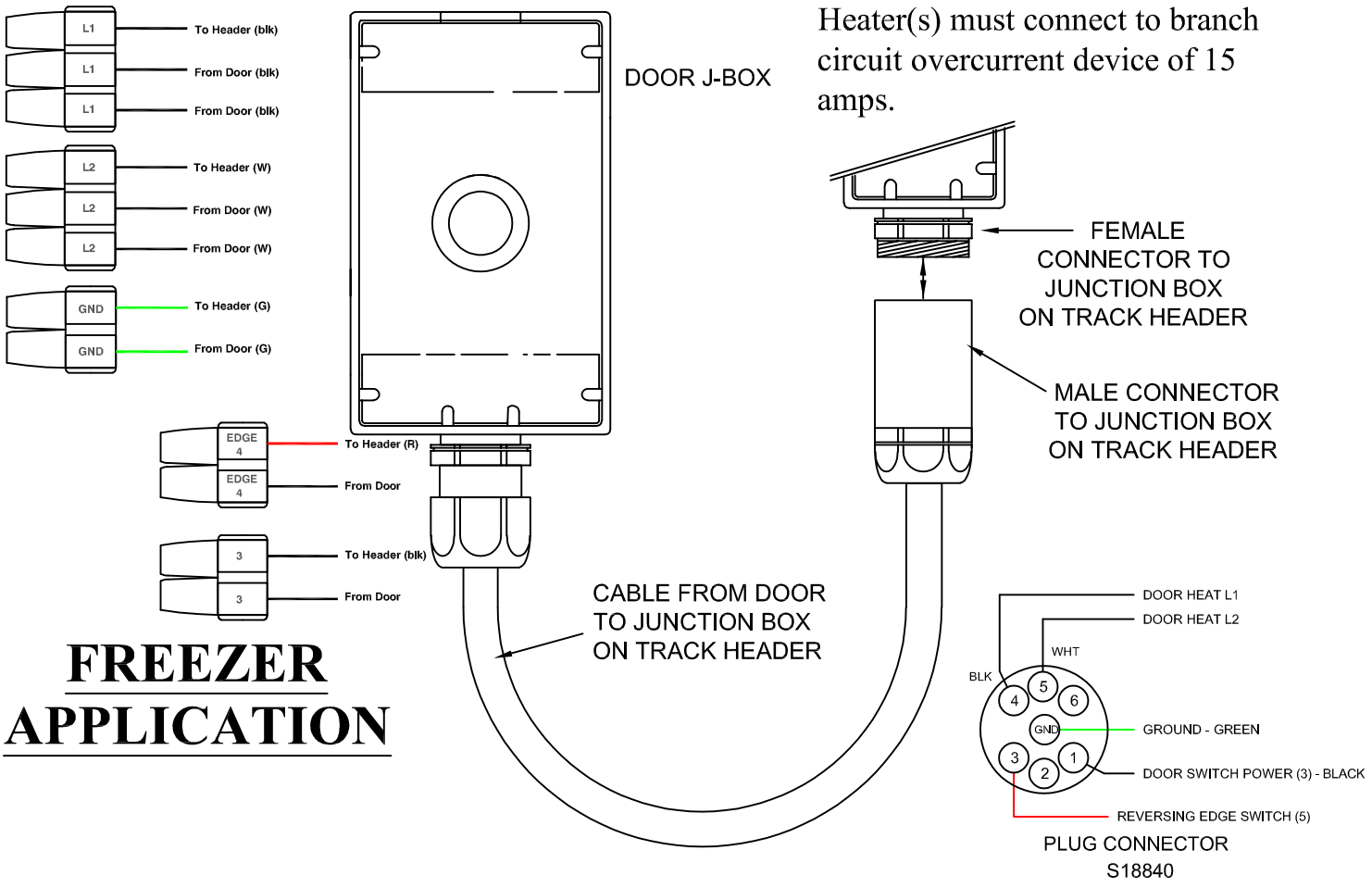
L'installateur doit s'assurer que toute conduite ou à l'autocommutateur de corde de traction ne permettent pas l'humidité d'entrer dans le corps de l'interrupteur. Dommage de basculer entre la saisie d'humidité ne sont pas couverts par la garantie.

ELECTRICAL CONNECTIONS-DOOR JUNCTION BOX

IMPORTANT: All electrical work must be performed by a licensed electrician.

It is the installers responsibility to insure that all work must conform to the National Electric Code as well as any state or local requirements.

IMPORTANT: Tous les travaux d'électricité doivent être faits par un électricien qualifié. Tous les travaux d'électricités doivent être faites aux normes du code du bâtiment et locale.
Heater(s) must connect to branch circuit overcurrent device of 15 amps.



FREEZER APPLICATION

ELECTRICAL CONNECTIONS-DOOR JUNCTION BOX

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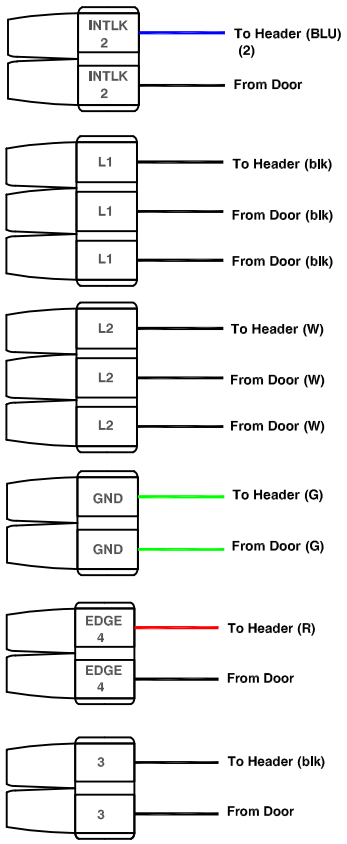
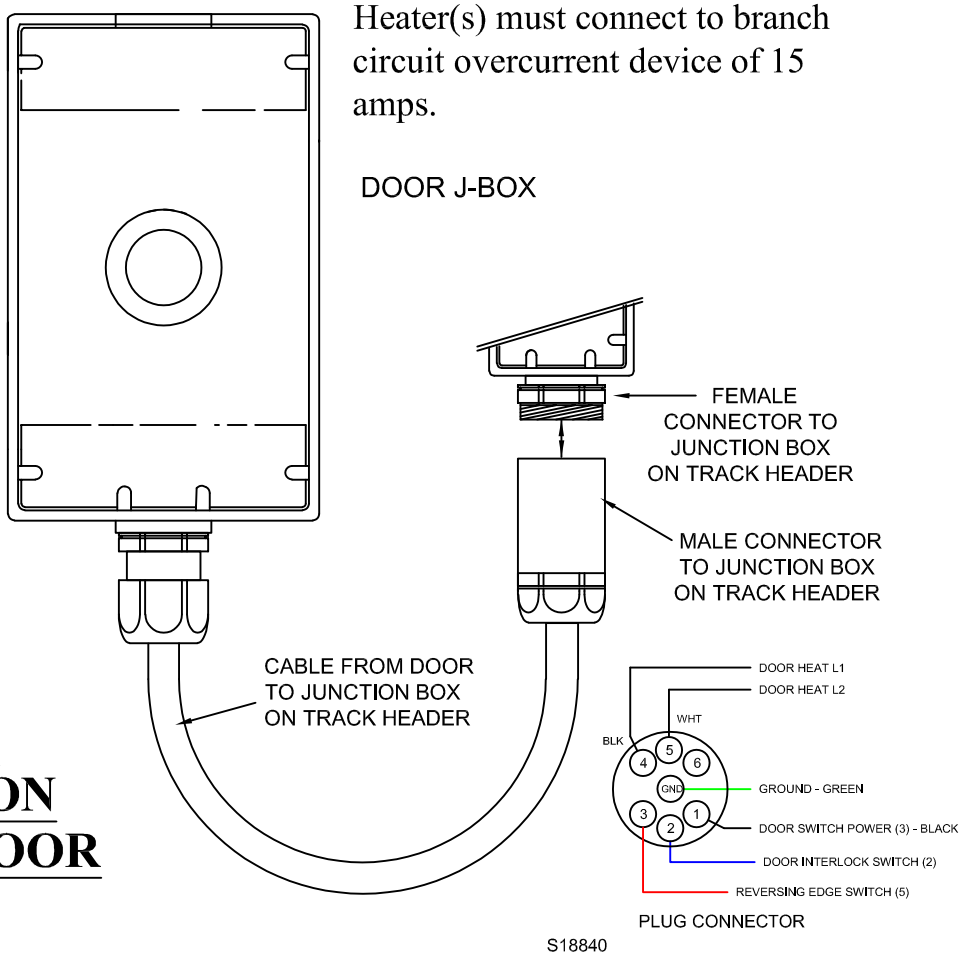


FREEZER APPLICATION W/WICKET DOOR



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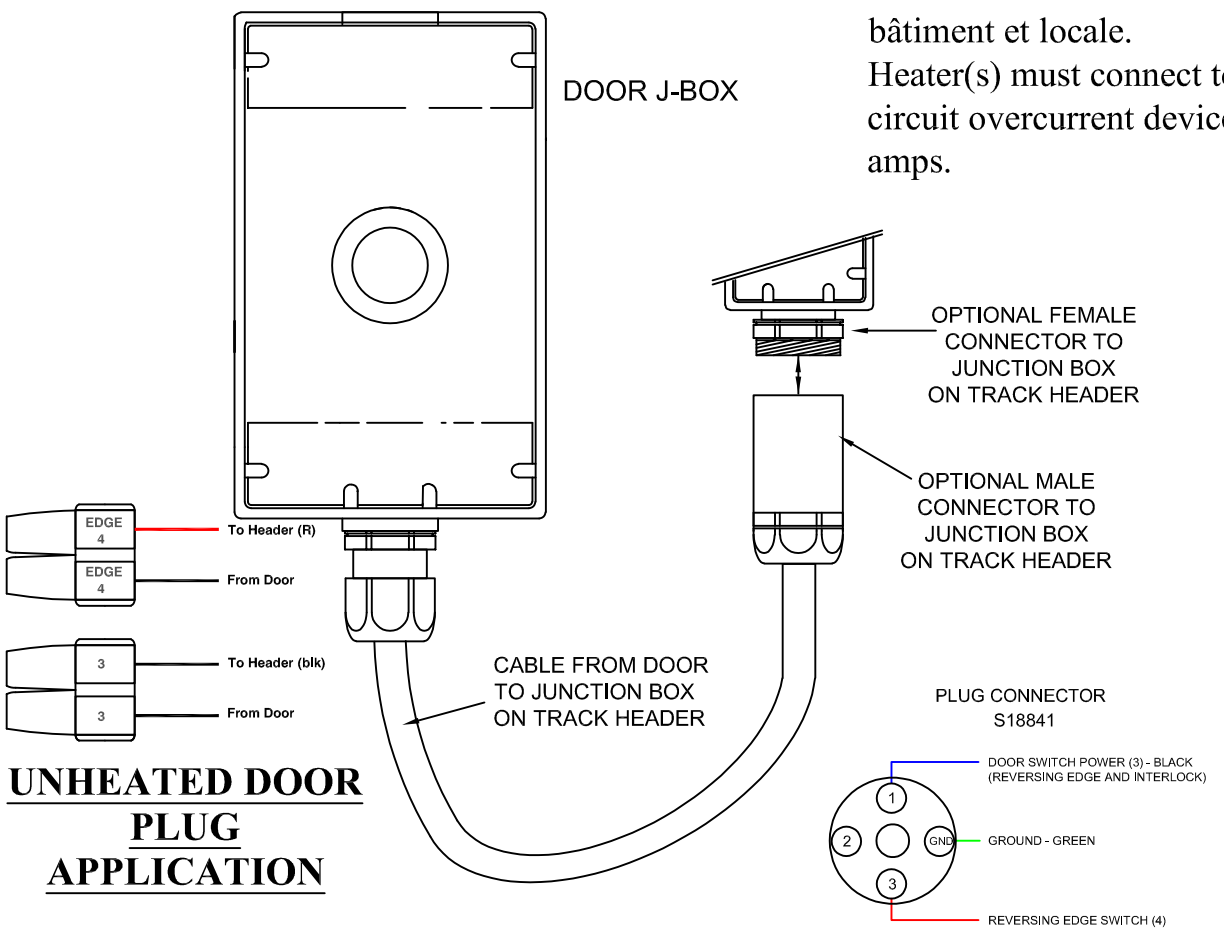

UNHEATED DOOR PLUG APPLICATION

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Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS

(HEATER) 115V / 1Ø / 60

ELECTRICAL CONNECTIONS- CONTROL PANEL & HEADER/TRACK JUNCTION BOX

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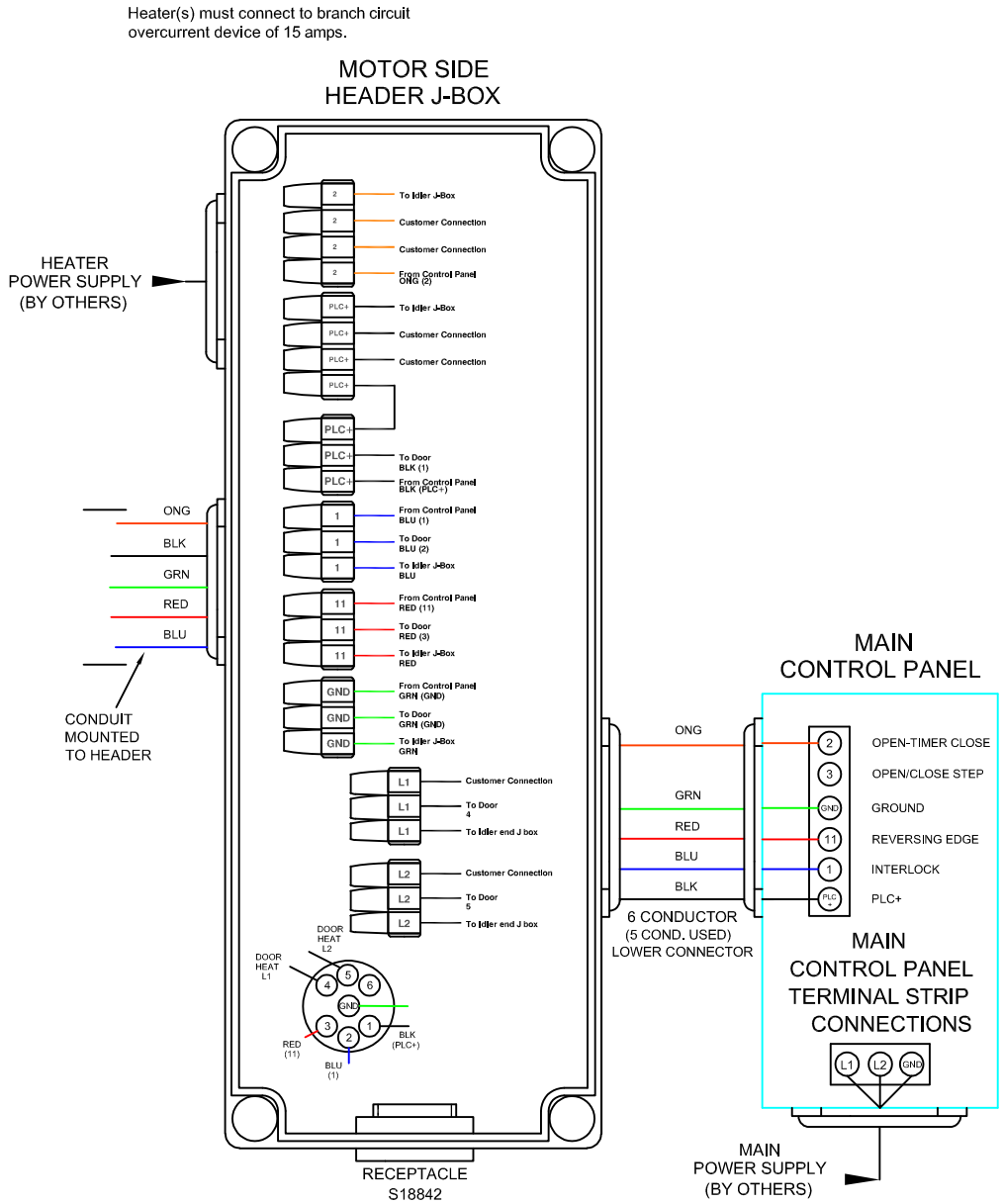

ELECTRICAL CONNECTIONS- CONTROL PANEL & HEADER/TRACK JUNCTION BOX

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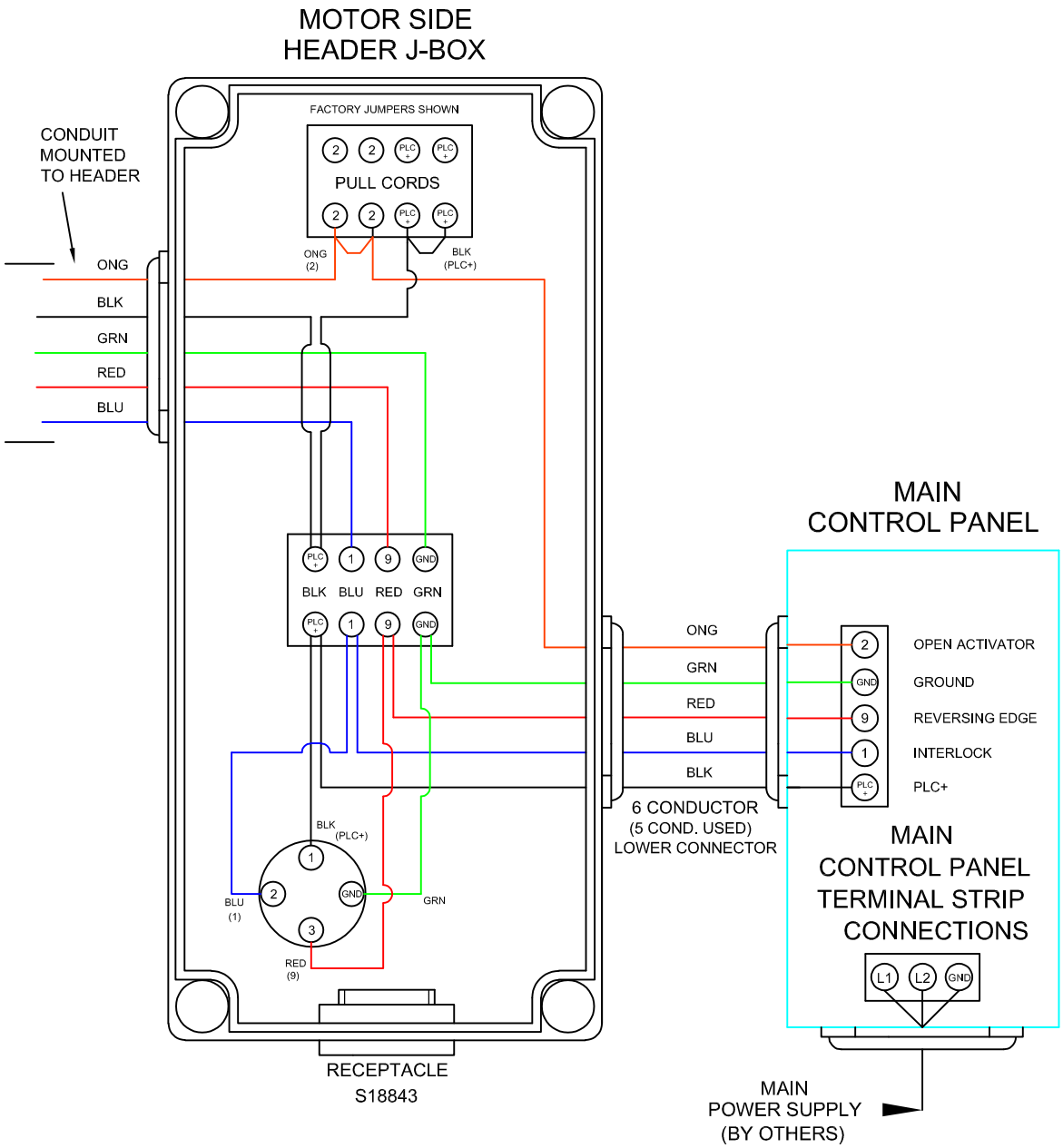

(HEATER) 115V / 1Ø / 60

ELECTRICAL CONNECTIONS- HEADER/TRACK JUNCTION BOX

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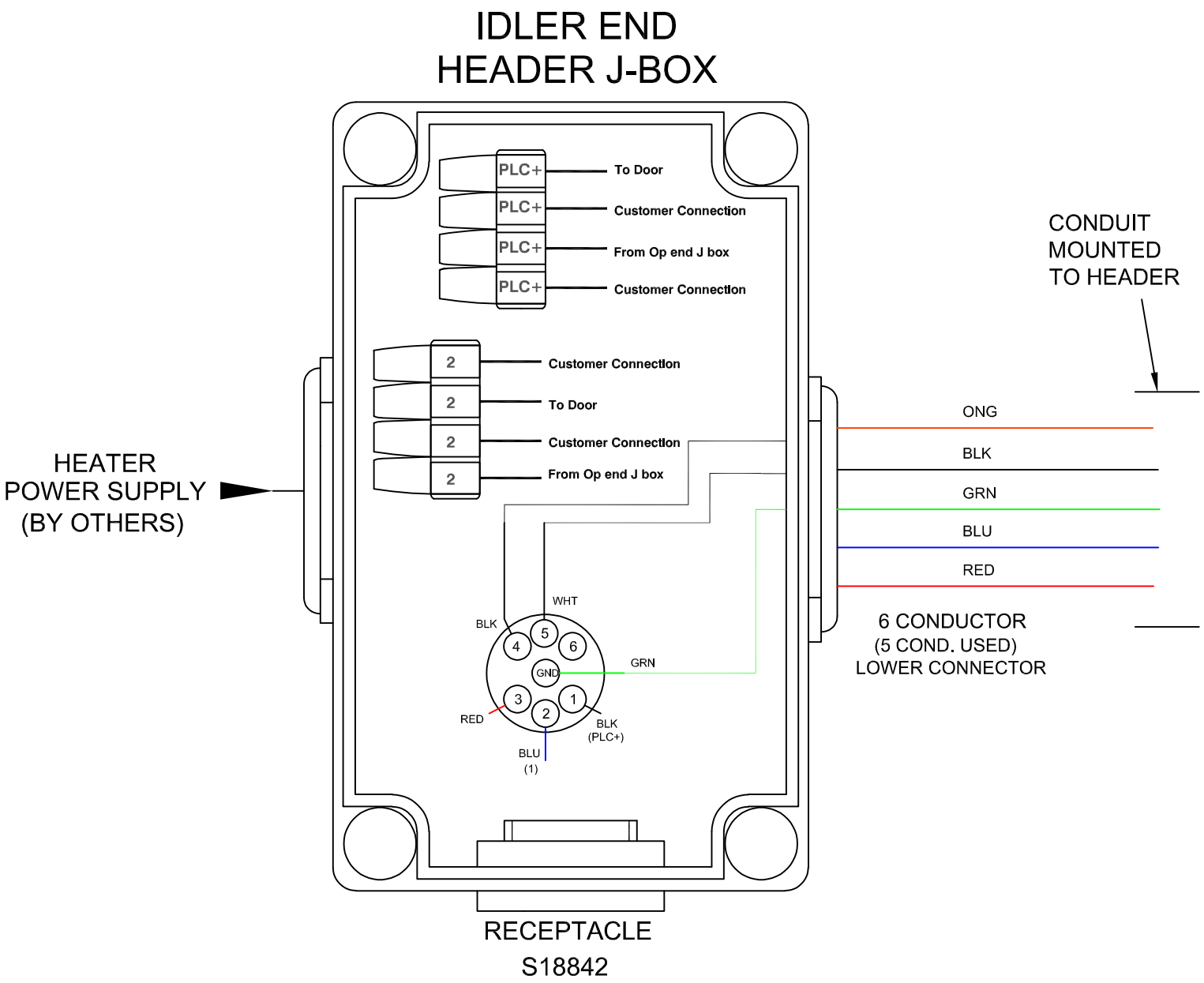

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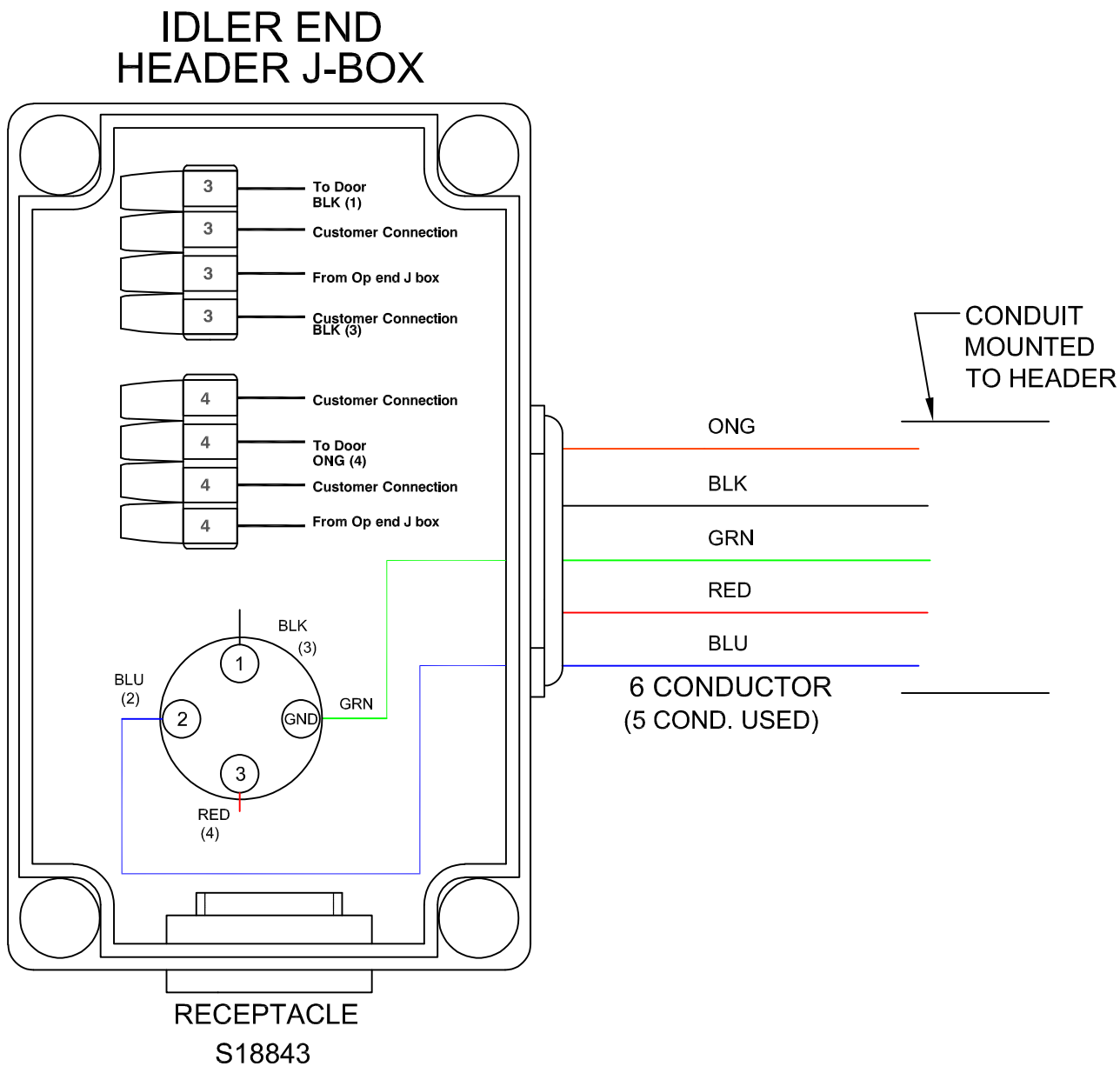

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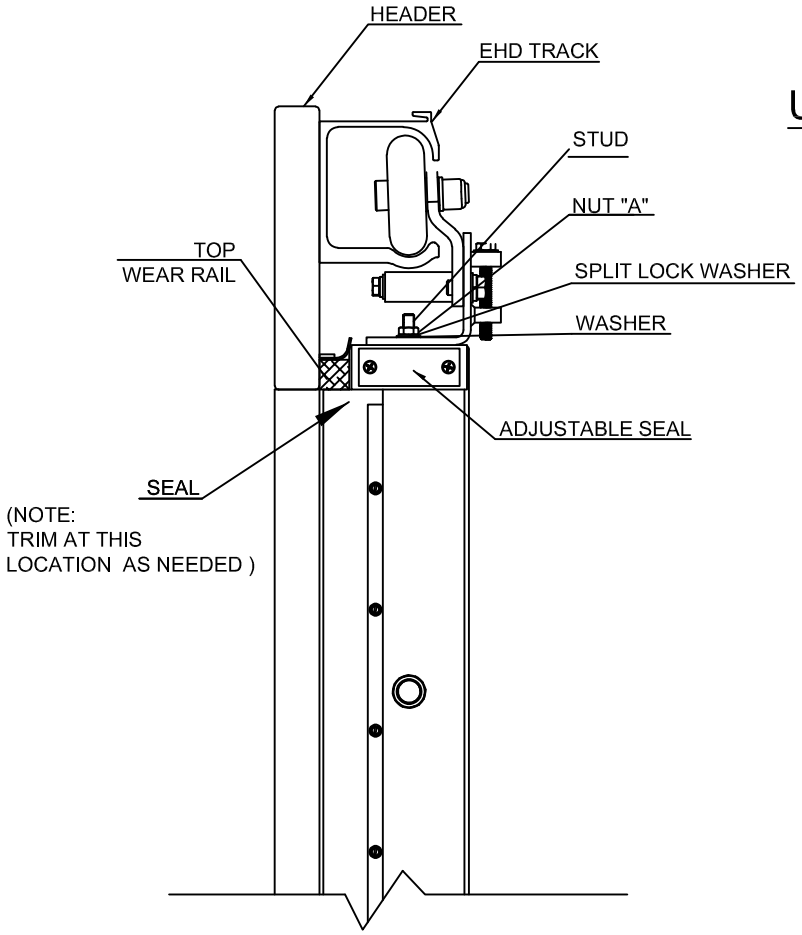
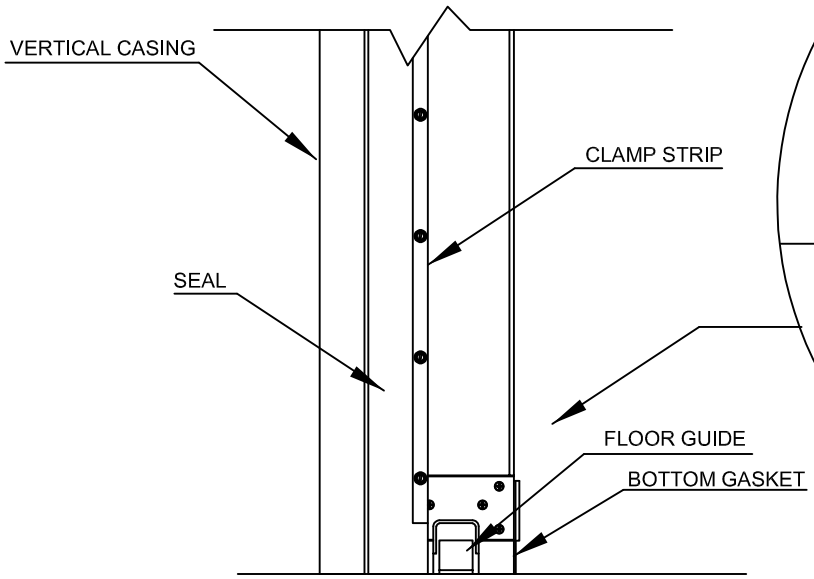
Hercules™ BI-PARTING DOOR INSTALLATION INSTRUCTIONS

UNDER DOOR FLOOR GUIDE

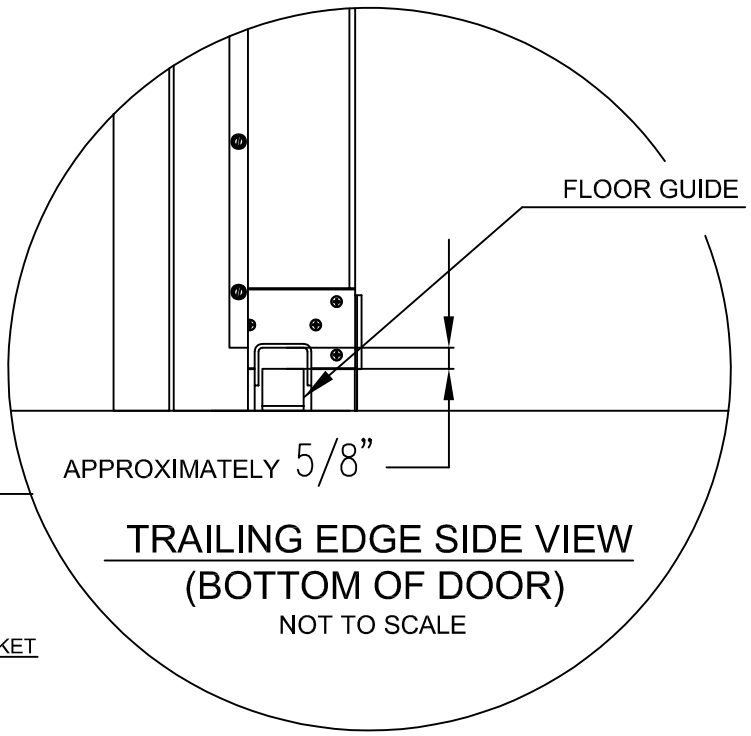


EHD ROLLER/HANGER BRACKET DETAIL
(SIDE VIEW)

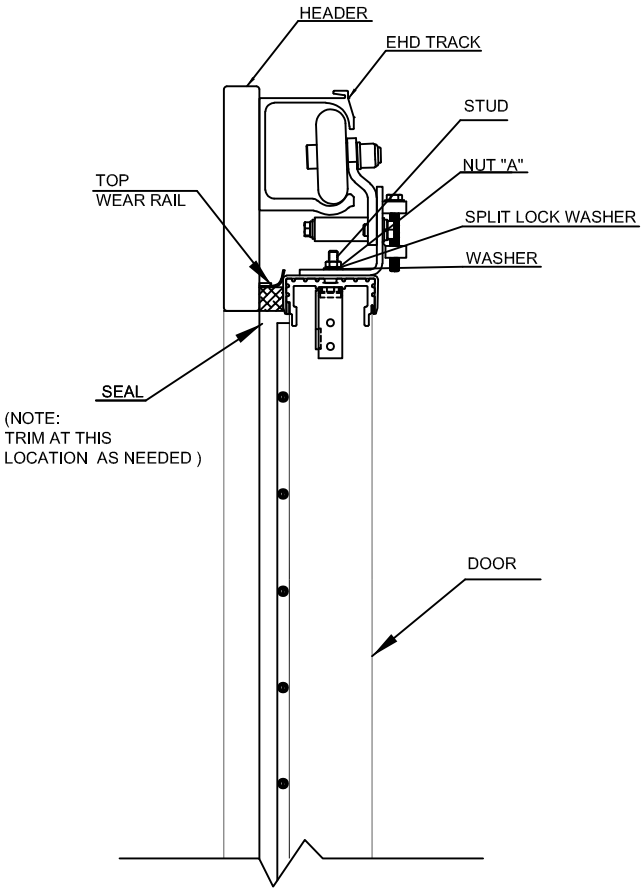
NOT TO SCALE



TRAILING EDGE SIDE VIEW
(BOTTOM OF DOOR)
NOT TO SCALE

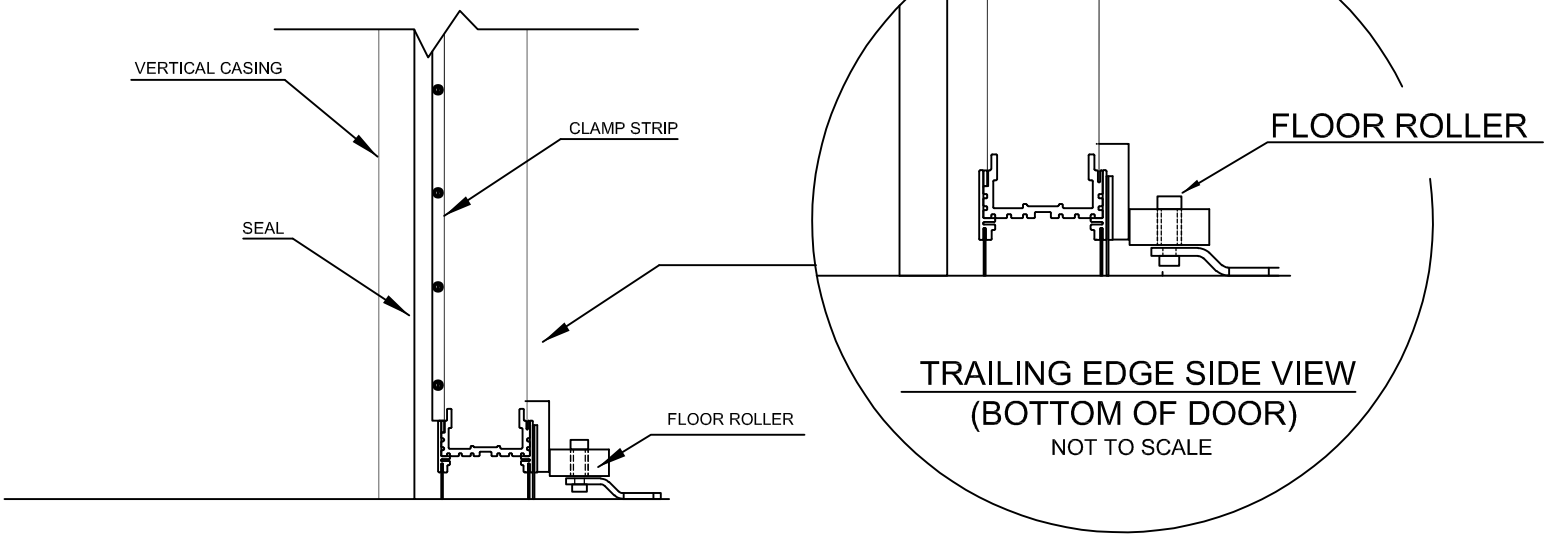


TRAILING EDGE SIDE VIEW
(BOTTOM OF DOOR)
NOT TO SCALE



EHD ROLLER/HANGER BRACKET DETAIL
(SIDE VIEW)
NOT TO SCALE

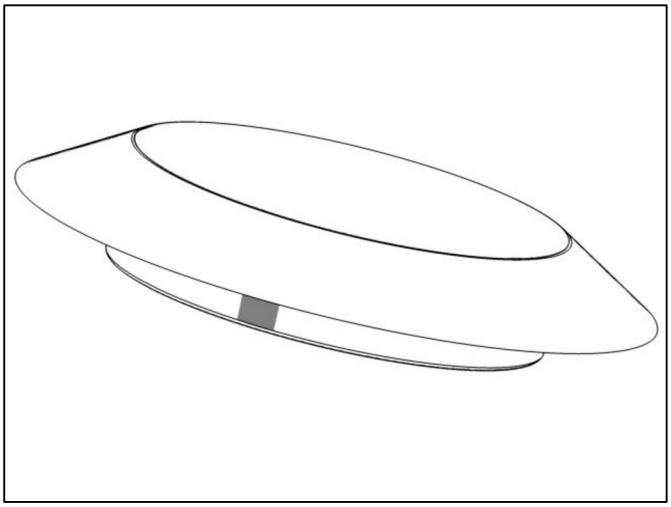
BOTTOM RED ROLLER GUIDE



TRAILING EDGE SIDE VIEW
(BOTTOM OF DOOR)
NOT TO SCALE

SECTION B-B

After installation has been completed and tested for proper operation, install the supplied cap plugs, shown below, in all counterbored holes in the white casing members.



Cut all carriage bolts flush with the nuts and install the supplied nut caps shown below.