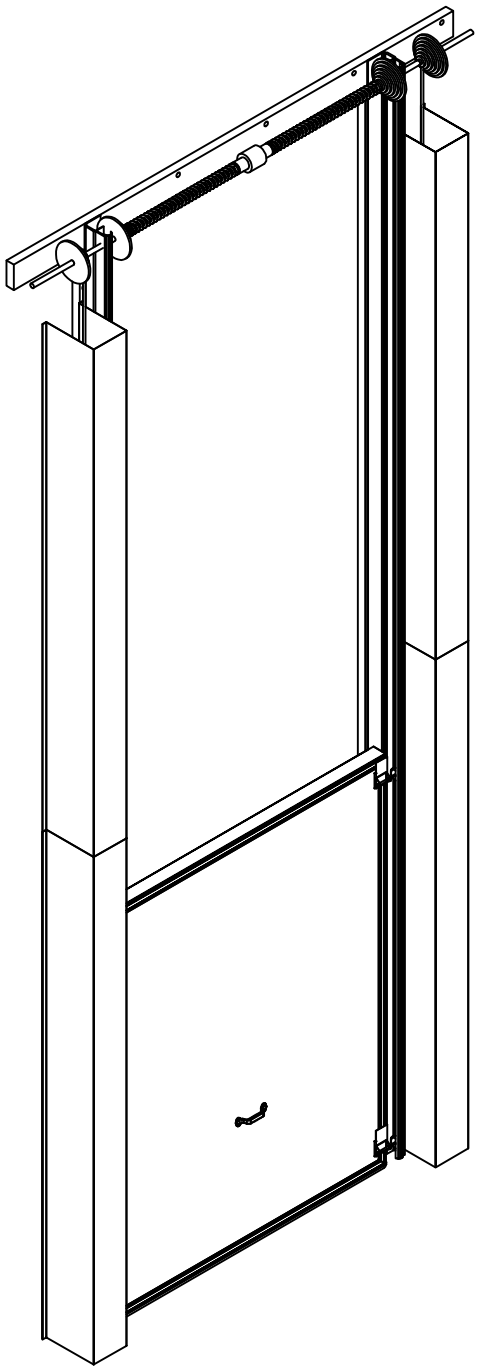
Eco-Cold
MANUAL VERTICAL LIFT ColdGuard™ DOOR
MODEL VLM
INSTALLATION INSTRUCTIONS



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fax:804.744.3911
www.eco-cold.net

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Eco-Cold
COLD STORAGE DOORS
INSTALLATION INSTRUCTIONS

DRAWN BY: DSD	DATE: 6/16/09

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

Chase 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. Chase Doors warrants our products for defects in material and workmanship only. Since the installation of our products is beyond our control, Chase Doors 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

Chase Doors 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 3 ¼" wider than the W.I.C. and 1 ⅝" taller than the H.I.C.

Door Model: VLM Thru-wall: ☐ Yes ☐ No Wall Thickness: _____

Opening Direction: VERTICAL

Door Style: ☐ Freezer ☐ Cooler Door Heater (Freezer Doors Only): 115 Volts AC _____ Watts

Door Type: MANUAL

Door Operator Voltage: NA

Door Activation Devices: NA

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

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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



BUTYL CAULK



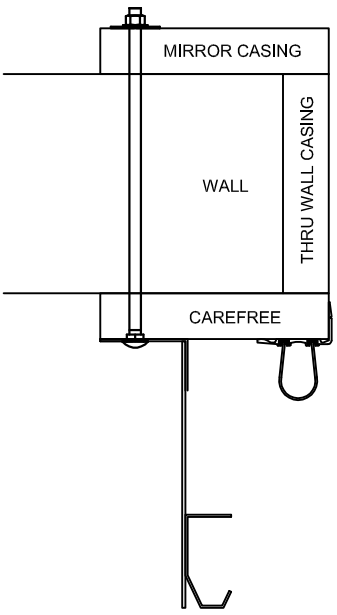
LIFTING EQUIPMENT MAY BE REQUIRED DEPENDING ON DOOR SIZE

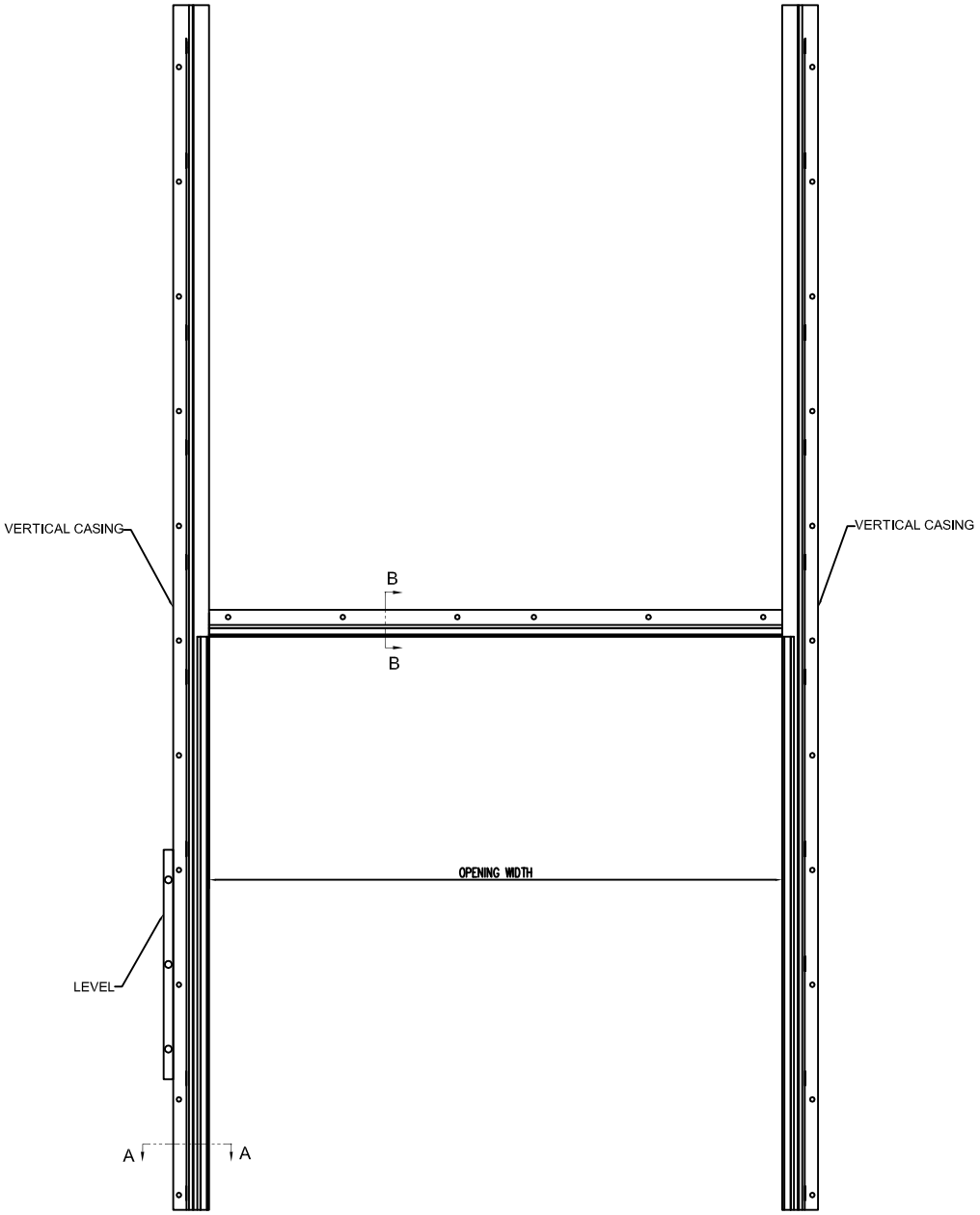
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MIRROR CASINGS
AND
THRU WALL CASINGS
ARE OPTIONAL





2.1 VERTICAL CASING (W/ TRACK) INSTALLATION

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

STEP - 2.
BUTYL CAULK (BY OTHERS) IS RECOMMENDED AND SHOULD BE APPLIED TO WALL SIDE OF CASINGS BEFORE INSTALLATION.

STEP - 3.
STAND ONE VERTICAL CASING UP TO THE WALL ALONG AN EDGE OF DOOR OPENING.

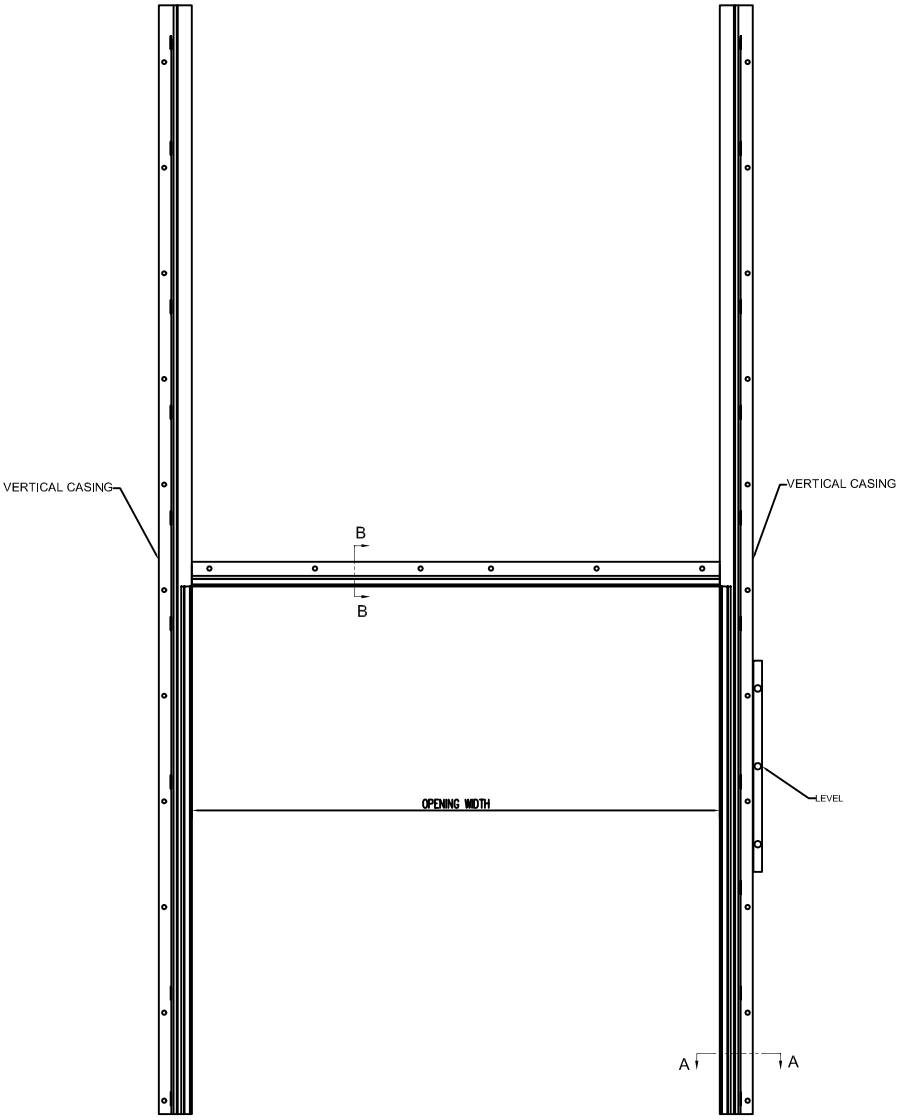
STEP - 4.
USING A LEVEL, MAKE SURE THE CASING IS STRAIGHT AND PLUMB.

STEP - 5.
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.

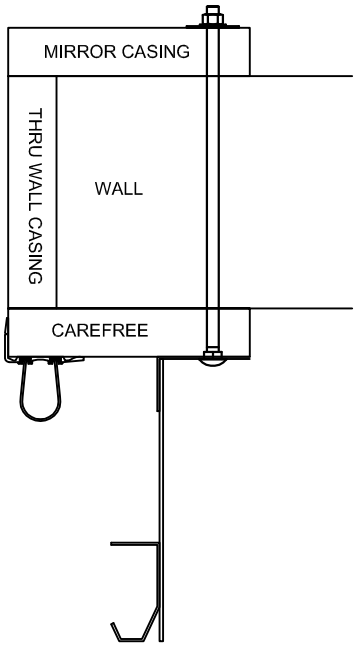
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MIRROR CASINGS
AND
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ARE OPTIONAL



VERTICAL CASING (W/ TRACK) INSTALLATION CONTINUED

STEP - 6.

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 2 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 - 7.

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 - 8.

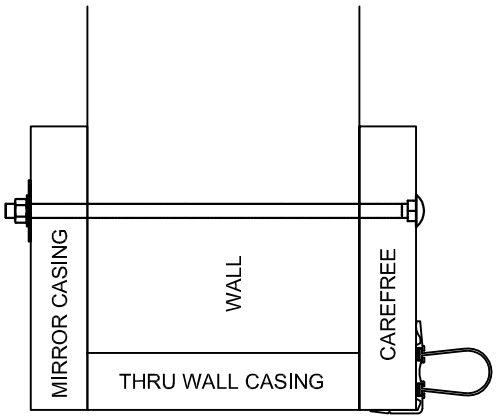
IF BOTTOM OF CASING IS LOWER THAN HIGH POINT IN FLOOR, SHIM UNDER BOTTOM OF CASING SO THAT IT IS LEVEL WITH HIGH POINT IN FLOOR. THEN TEMPORARILY CLAMP OR LAG THE CASING TO THE WALL.

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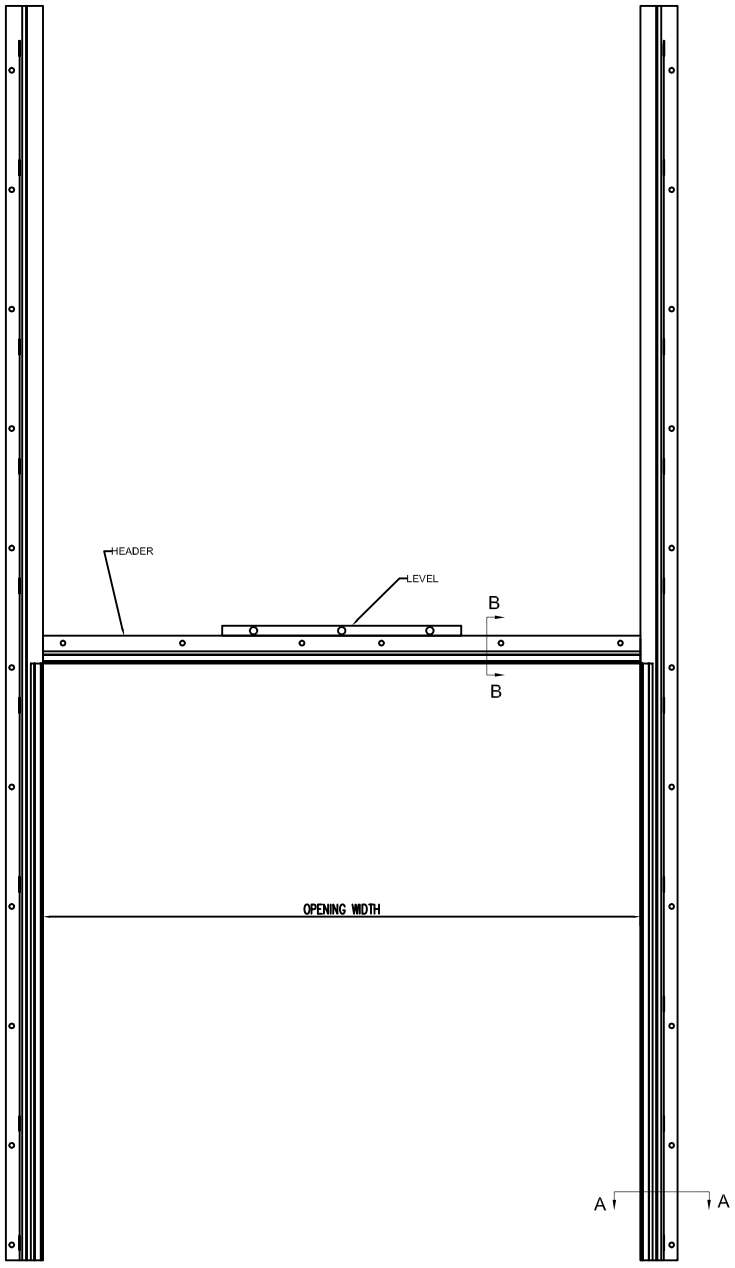
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COLD STORAGE DOORS
INSTALLATION INSTRUCTIONS

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SECTION B-B



MIRROR CASINGS
AND
THRU WALL CASINGS
ARE OPTIONAL



2.2 SEAL HEADER ASSEMBLY

STEP - 1.

a) USING PROPER METHOD OF LIFTING THE SEAL HEADER, RAISE HEADER ABOVE THE CASINGS AND LOWER IT DOWN TO THE EDGE OF THE OPENING.
b) AT THIS POINT IT MAY BE NECESSARY TO ADJUST THE POSITION OF THE VERTICAL CASING SLIGHTLY TO FIT THE SEAL HEADER.

STEP - 2.

BUTYL CAULK (BY OTHERS) IS RECOMMENDED AND SHOULD BE APPLIED TO WALL SIDE OF CASINGS BEFORE INSTALLATION.

STEP - 3.

a) USING A LEVEL, CHECK TO MAKE SURE SEAL HEADER IS LEVEL, STRAIGHT AND TRUE.

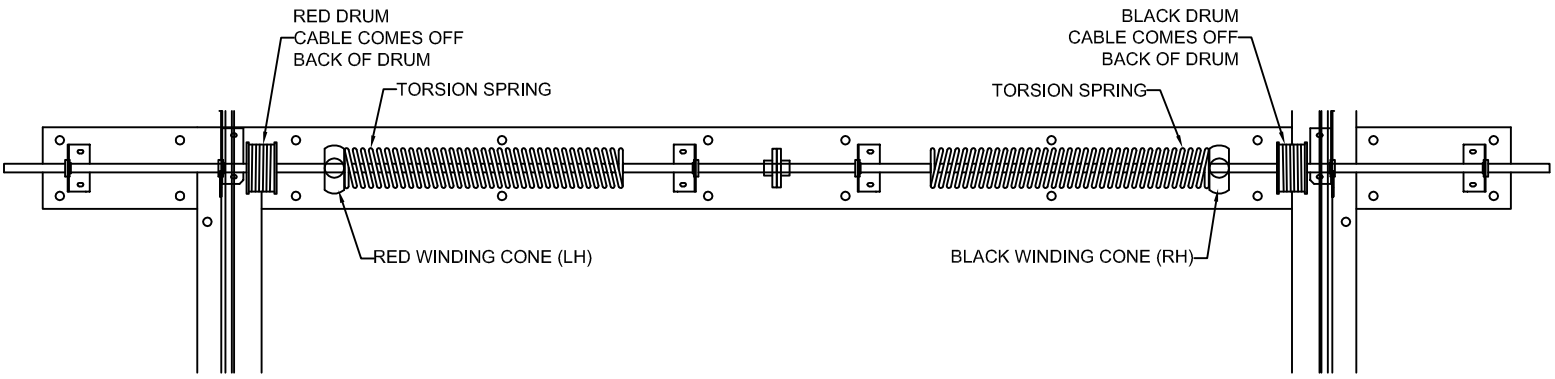
STEP - 4.

a) DRILL A ⅜" HOLE THROUGH THE PRE-DILLLED HOLES IN THE SEAL HEADER, 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.

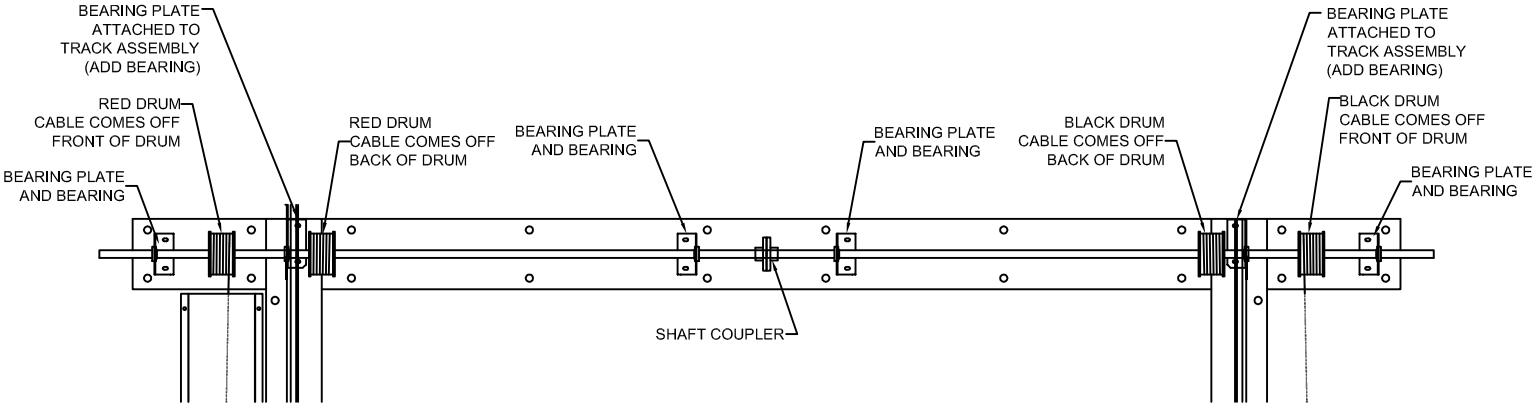
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TORSION SPRING ARRANGEMENT



COUNTER WEIGHT ARRANGEMENT

2.3 OPENER ASSIST HEADER ASSEMBLY

STEP - 1.

a) USING PROPER METHOD OF LIFTING THE OPENER ASSIST HEADER, RAISE AND ALIGN HEADER AND EXTENSIONS FLUSH WITH THE TOPS OF THE VERTICAL CASINGS.

b) ASSEMBLE Ø1" SHAFTS THRU BEARING PLATES INSERTING BEARINGS, CABLE DRUMS, AND TORSION SPRINGS WITH RETAINERS (IF INCLUDED) AS SHOWN. USE CAUTION WHEN INSTALLING WINDING CONES AND SPRINGS AS THEY CAN CAUSE INJURY.

STEP - 2.

BUTYL CAULK (BY OTHERS) IS RECOMMENDED AND SHOULD BE APPLIED TO WALL SIDE OF CASINGS BEFORE INSTALLATION.

STEP - 3.

a) LEVEL THE Ø1" SHAFTS PRIOR TO TIGHTENING BEARINGS TO BEARING PLATES.

STEP - 4.

a) DRILL A ⅜" HOLE THROUGH THE PRE-DILLLED HOLES IN THE OPENER ASSIST HEADER, AND THROUGH THE WALL OR BOX.

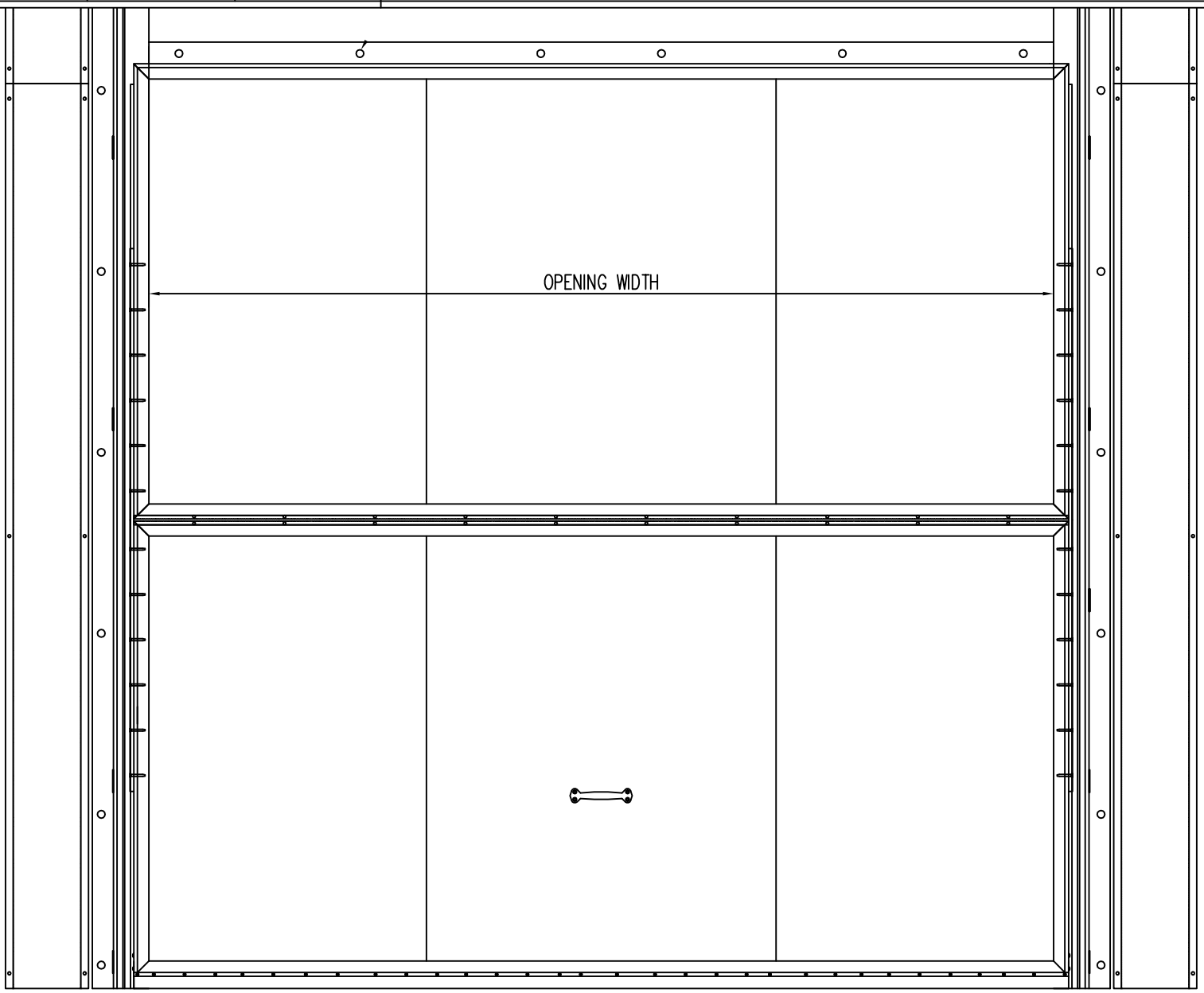
b) USING THE CARRIAGE BOLTS, NUTS, WASHERS, AND FENDER WASHERS SUPPLIED IN THE HARDWARE PARTS BOX, INSERT THE BOLTS & TIGHTEN. DO NOT CUT OFF BOLTS AT THIS TIME.

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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2.4 DOOR INSTALLATION

STEP - 1.

a) REMOVE TOP AND BOTTOM ROLLER BRACKETS
b) POSITION DOOR UPRIGHT IN THE OPENING BETWEEN THE RAILS.
c) PLACE A ROLLER IN THE TRACK AND SLIDE STEM THROUGH THE BRACKET AND ATTACH TO DOOR. REPEAT UNTIL ALL BRACKETS ARE SECURED.

STEP - 2.

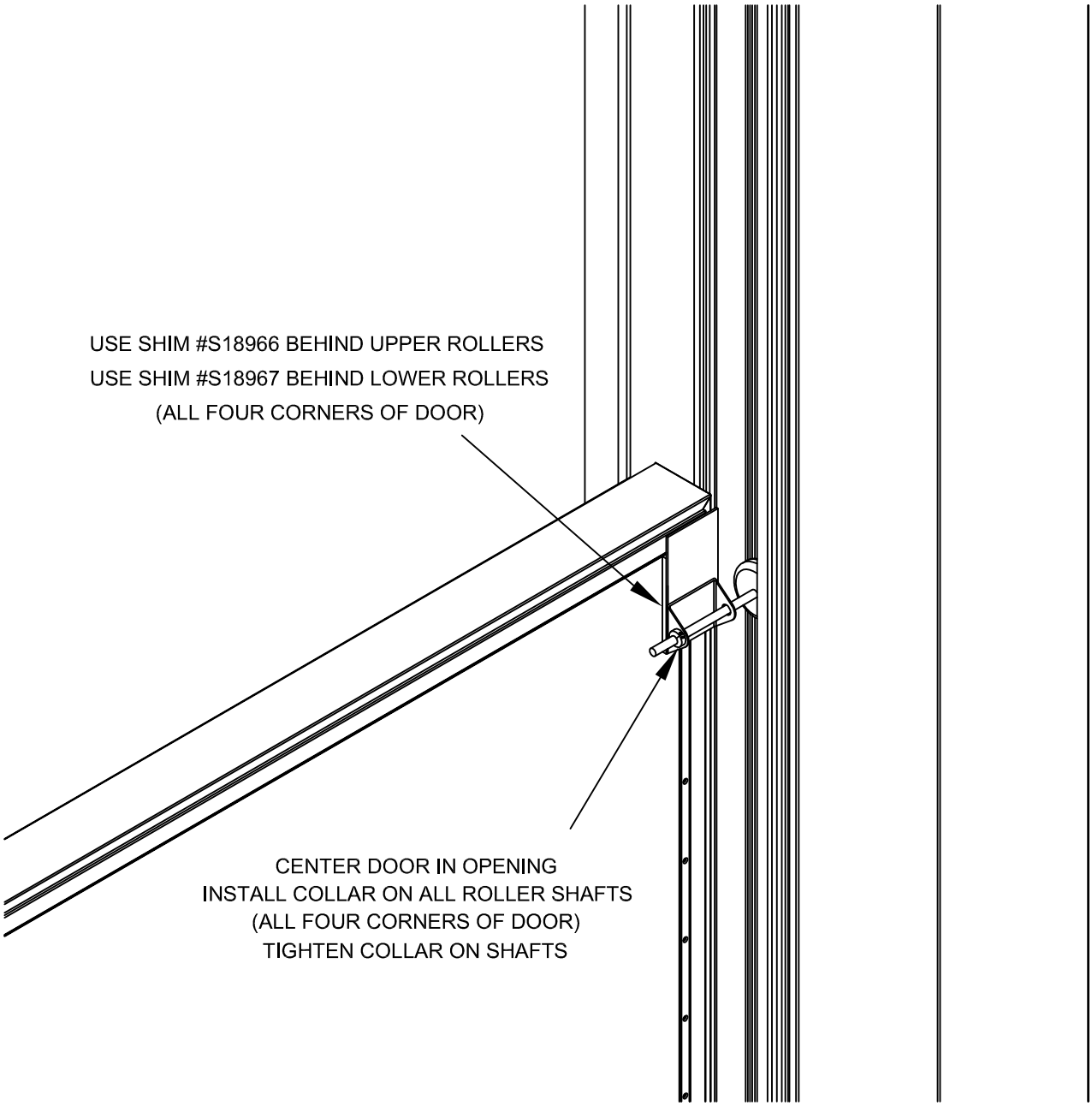
a) ATTACH THE LIFT CABLE FROM THE BOTTOM BRACKETS TO THE DRUMS.
b) ALIGN THE DRUMS ALLOWING THE CABLES TO RUN STRAIGHT TO THE BRACKETS. TIGHTEN THE DRUM TO THE Ø1" SHAFT. DRUM MAY NEED READJUSTMENT LATER.

STEP - 3.

a) ADJUST THE TRACK SYSTEM AND TOP ROLLERS TO PROVIDE ⅛" TO ¼" COMPRESSION OF THE TRACK MOUNTED DOOR SEAL.
b) ADJUST CLOSING ASSIST DEVICE (COUNTER WEIGHT [SH 8] OR TORSION SPRING [SH 9) TO OBTAIN SMOOTH AND EASY LIFT AND CLOSE OF THE DOOR.

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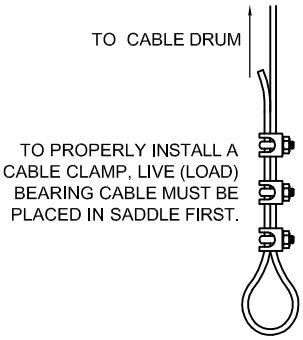


2.5 ROLLER SHIM/COLLAR INSTRUCTIONS

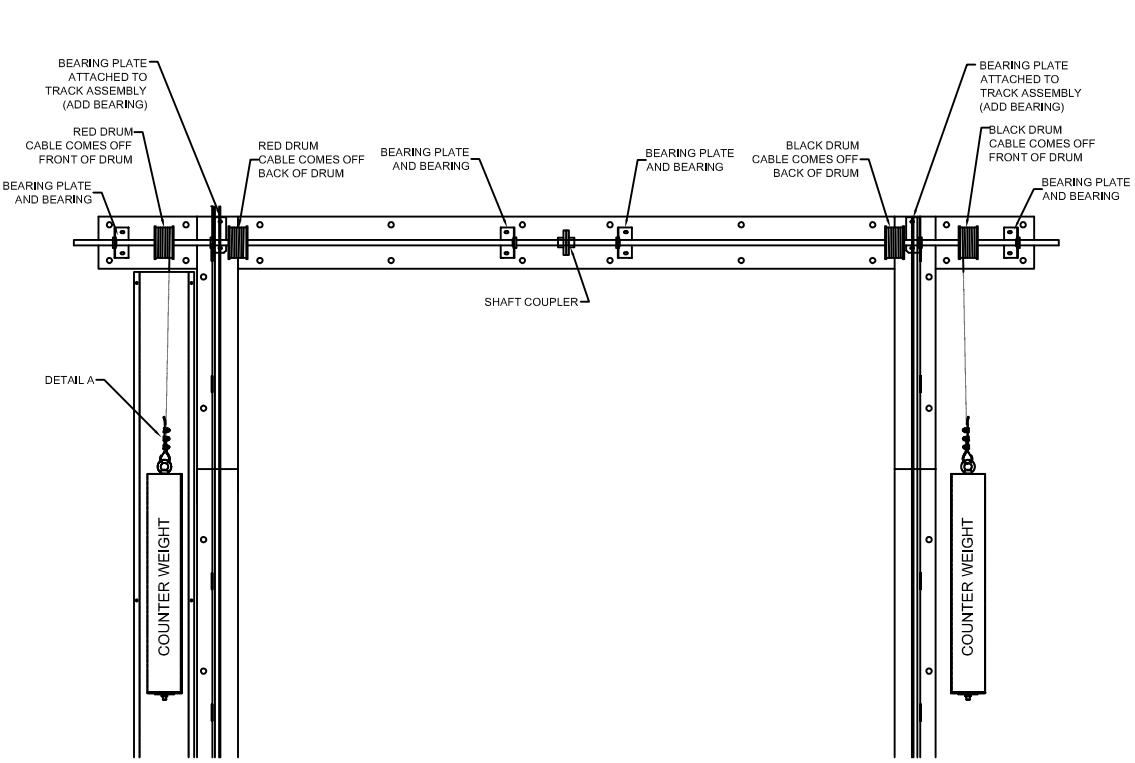
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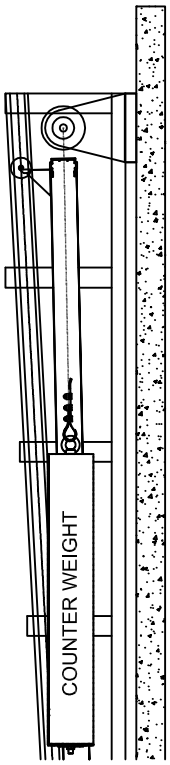
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DETAIL A





2.6 COUNTER WEIGHT INSTALLATION & ADJUSTMENT

STEP - 1. (SEE DETAIL - A)
ATTACH THE CABLE FROM THE OUTER DRUM TO THE COUNTER WEIGHT AS SHOWN.

STEP - 2.

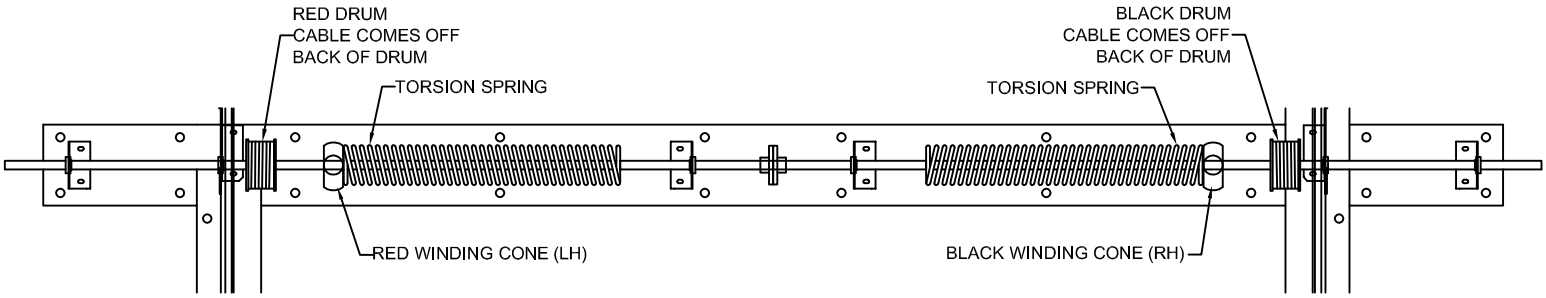
a) FILL WEIGHT HOLDERS SLOWLY ALTERNATING BETWEEN LEFT AND RIGHT HOLDERS.
b) FILL HOLDERS UNTIL DOOR IS BALANCED. IF PROPERLY BALANCED THE DOOR SHOULD REMAIN IN ANY POSITION PLACED WITHOUT MOVING UP OR DOWN.
c) FOR BEST OPERATION, WEIGHT HOLDERS SHOULD HAVE EQUAL WEIGHTS WHEN FILLED.

STEP - 3.
AFTER RE-TIGHTENING ALL CABLE CLAMPS, INSTALL WEIGHT COVER WITH ⅜" X 12" THREADED ROD, NUTS, WASHERS, AND FENDER WASHERS (SUPPLIED WITH HARDWARE).

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IMPORTANT SAFETY INFORMATION

TORSION SPRINGS CAN BE DANGEROUS IF IMPROPERLY INSTALLED OR HANDLED.

2.7 TORSION SPRING ADJUSTMENT

STEP - 1.

a) DOOR MUST BE IN FULLY CLOSED POSITION TO COMPLETE ADJUSTMENT. SECURE DOOR CLOSED WITH A C-CLAMP PLACED ON THE GARAGE DOOR TRACK ABOVE THE LOWEST ROLLER.

b) WITH TWO (2) METAL BARS (NOT INCLUDED) INSERTED IN PERIMETER HOLES OF THE WINDING CONE, THE SET SCREW CAN BE LOOSENED TO ALLOW WINDING OF THE SPRING. MAKE SURE YOU RE-TIGHTEN THE SET SCREWS BEFORE LOOSENING GRIP ON THE BARS AS THEY WILL BE UNDER SPRING PRESSURE AND MAY CAUSE INJURY.

STEP - 2.

a) WITH ADJUSTING BARS INSERTED AND SET SCREW LOOSENED, TURN CONE IN THE SAME DIRECTION THE DOOR CABLE PASSES OVER THE PULLY TO INCREASE OPENING FORCE.

b) TO DECREASE THE OPENING FORCE, TURN THE CONE IN THE OPPOSITE DIRECTION. REMEMBER TO TIGHTEN THE SET SCREW BEFORE REMOVING ADJUSTING BARS!

c) MAKE ADJUSTMENTS IN SMALL INCREMENTS (MAX. ¼ TURN). BALANCE SPRINGS BY TURNING THEM THE SAME AMOUNT.

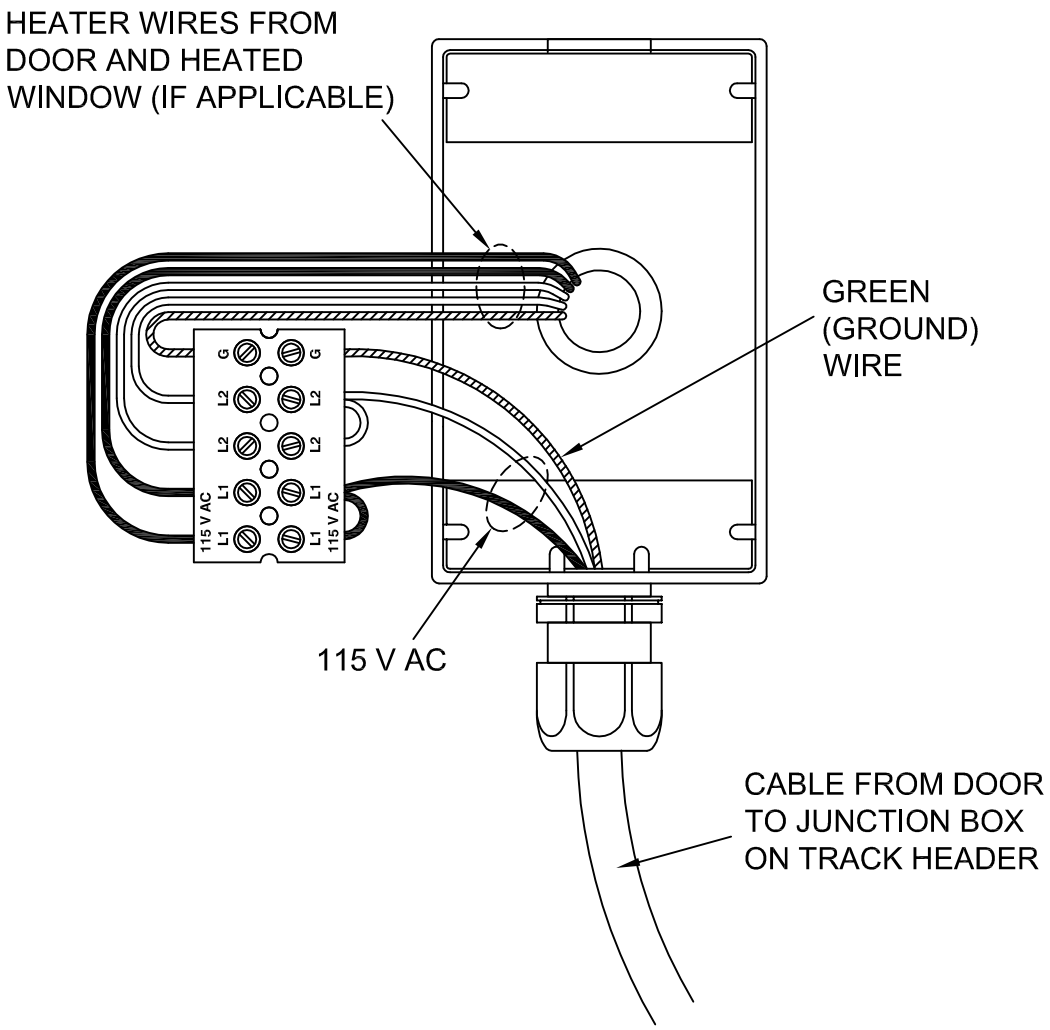
d) AFTER EACH ADJUSTMENT, TEST BALANCE BY CAREFULLY UN-CLAMPING DOOR AND RAISING DOOR.

3.1 ELECTRICAL CONNECTIONS-DOOR JUNCTION BOX

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

4.1 Final Adjustments & Clean-up

After installation has been completed and tested for proper operation, cut all carriage bolts flush with the nuts and install the supplied nut caps shown below

