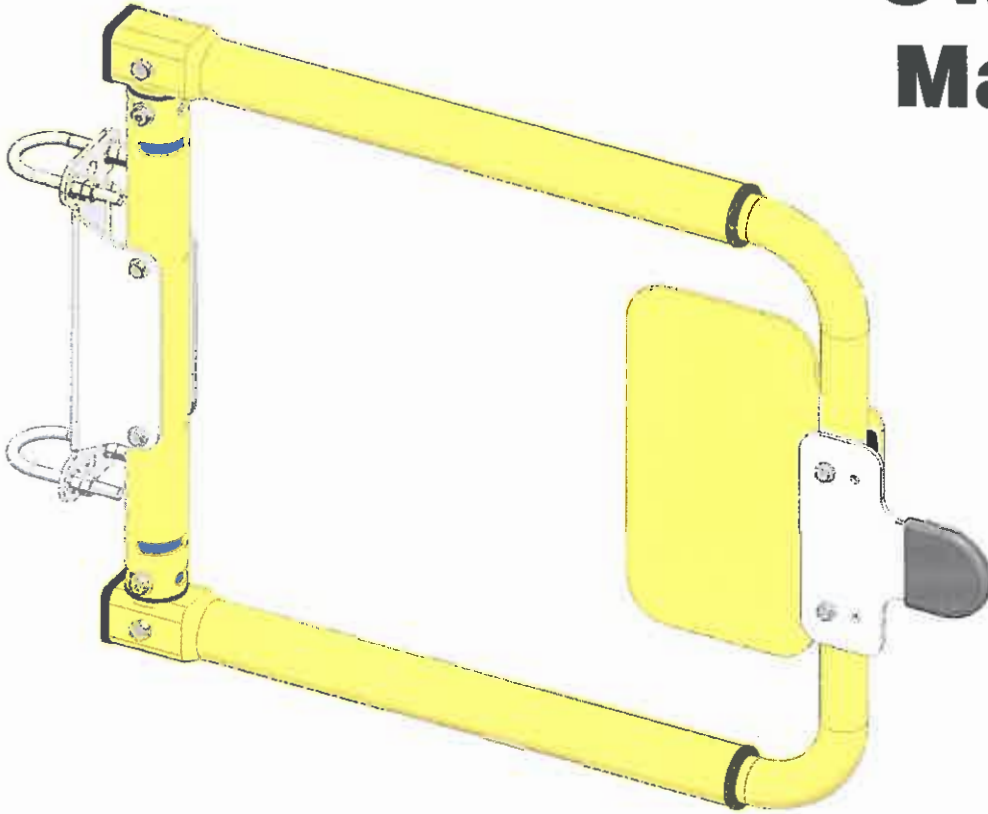


Owner's Manual



YELLOW GATE

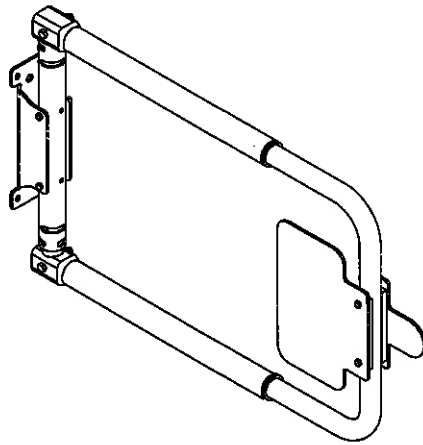
One Gate. Fits All. Stops Falls.
888-663-0015 www.yellowgate.com



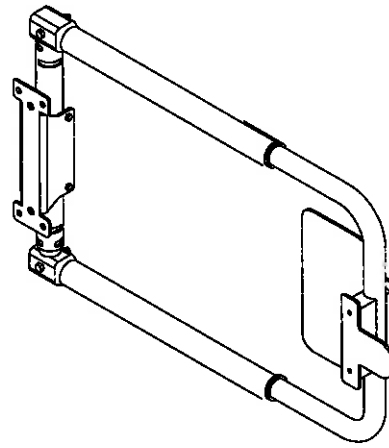
800-345-3226
www.dacocorp.com

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| 15 | GENERAL MAINTENANCE |



Parallel Mount



Perpendicular Mount

INTRODUCTION

YELLOWGATE'S TWENTY INCHES OF ADJUSTABILITY, FIELD REVERSIBLE SWING DIRECTION AND UNIVERSAL MOUNTING SYSTEM PROTECTS EVERY PASSAGEWAY. EACH GATE IS FIELD ADJUSTABLE FOR BOTH LENGTH AND SWING DIRECTION WITH A SINGLE WRENCH. THE UNIVERSAL MOUNTING SYSTEM MOUNTS TO WALLS, ANGLE IRON AND ROUND PIPE OR SQUARE TUBE WITH NO ADDITIONAL PARTS TO ORDER.

THE MALBEC TENSIONER ELIMINATES THE NEED FOR A SWING GATE'S MOST COMMON FAILURE POINT, THE SPRING. THE PATENT PENDING SYSTEM PROVIDES FIELD ADJUSTABLE TENSION AND MAINTENANCE FREE CLOSURE, EVERY TIME.

YELLOWGATE CAN SWING EITHER IN OR OUT BY SIMPLY RELOCATING TWO BOLTS.

SYSTEM DESIGN

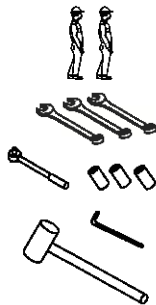
OSHA REGULATION:

1910.23 GUARDING FLOOR AND WALL OPENINGS AND HOLES

(a) PROTECTION OF FLOOR OPENINGS

(a.2) GUARD LADDERWAY FLOOR OPENINGS OR PLATFORMS LIKE A STAIRWAY FLOOR OPENING WITH PASSAGE THROUGH THE RAILING EITHER PROVIDED WITH A SWINGING GATE OR OFFSET SO A PERSON CANNOT WALK DIRECTLY INTO THE OPENING.

TOOLS NEEDED FOR INSTALLATION



- 1 OR 2 PEOPLE ARE RECOMMENDED FOR ASSEMBLY
- WRENCHES (7/16", 1/2", 9/16")
- SOCKET AND RATCHET (7/16", 1/2", 9/16")
- ALLEN WRENCH (3/16")
- RUBBER MALLET

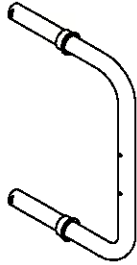
PLEASE TAKE A MOMENT TO INSPECT YOUR NEW EQUIPMENT AND LOOK FOR SHIPPING DAMAGE. PLEASE CHECK PACKING LIST ON SHEET 3 AGAINST YOUR EQUIPMENT TO INSURE ALL PARTS HAVE ARRIVED WITHOUT DAMAGE.

PACKING LIST

3

TELESCOPING ARM ASSEMBLY

(1 REQ'D)



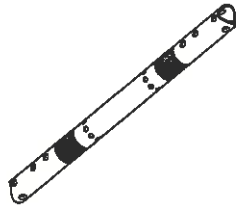
MOUNTING PIPE

(1 REQ'D)



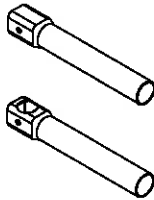
MALBEC TENSIONER

(1 REQ'D)



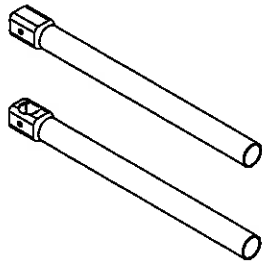
SHORT RECEIVER PIPE

(2 REQ'D)



LONG RECEIVER PIPE

(2 REQ'D)



MOUNTING BRACKET

(1 REQ'D)



CLAPPER PLATE

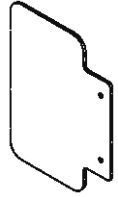
INCLUDING "D" COVER BUMPER

(1 REQ'D)



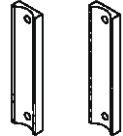
SIGN PLATE

(1 REQ'D)



SPACER 1

(2 REQ'D)



SPACER 2

(1 REQ'D)



INCLUDED IN HARDWARE PACKET

WRENCH (5/16")

(1 REQ'D)

INCLUDED IN HARDWARE PACKET



BUSHING 2

(2 REQ'D)

INCLUDED IN HARDWARE PACKET



TOOL ALIGNMENT INSERT

(2 REQ'D)

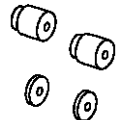
INCLUDED IN HARDWARE PACKET



GRIPPER and GRIPPER WASHER

(2 REQ'D EACH)

INCLUDED IN HARDWARE PACKET



SQUARE END CAP

(2 REQ'D)

INCLUDED IN HARDWARE PACKET



HARDWARE PACKET

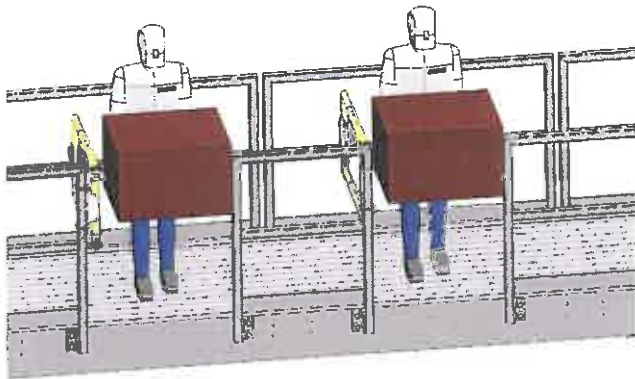
PACKAGE INCLUDES:

- (2) 3/8" x 4 3/8" S/S U-BOLTS AND NUTS
- (2) 3/8" x 2" x 3" S/S SQUARE U-BOLTS AND NUTS
- (2) 3/8" x 3" BLACK OXIDE BOLTS, S/S WASHERS
- (2) 3/8" x 2 1/2" S/S BOLTS, NUTS, & WASHERS
- (2) 3/8" x 2" x 1/8" S/S SHOULDER BOLTS, NUTS, & NYLON WASHERS
- (2) 1/4" x 3" S/S BOLTS, NUTS, & WASHERS
- (2) 1/4" x 2 1/2" S/S BOLTS, ACORN NUTS, & WASHERS
- (2) 1/4" x 3 3/4" S/S BOLTS, ACORN NUTS, & WASHERS

YellowGate

DOC #YG-2014

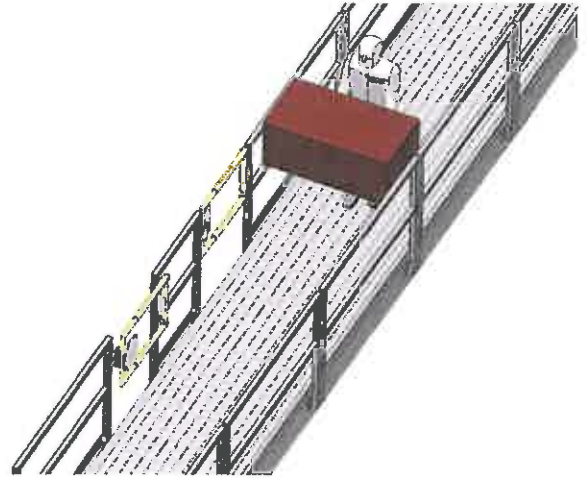
PHASE I Evaluating Access Opening & Determining Mount / Swing Orientation



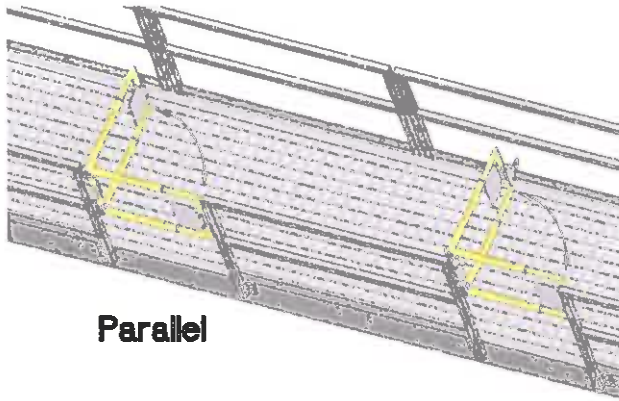
Parallel

Perpendicular

Access Opening Clearance



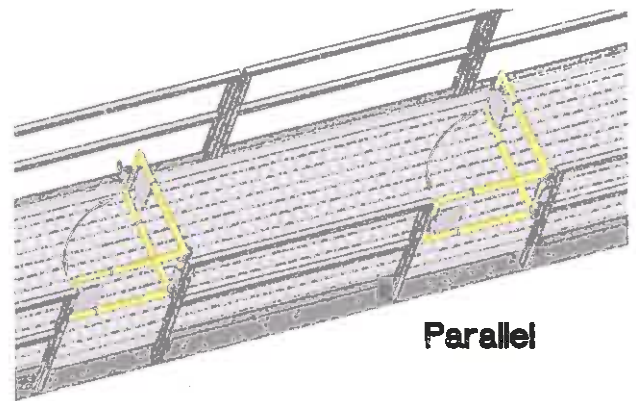
Platform Width Clearance



Parallel

Perpendicular

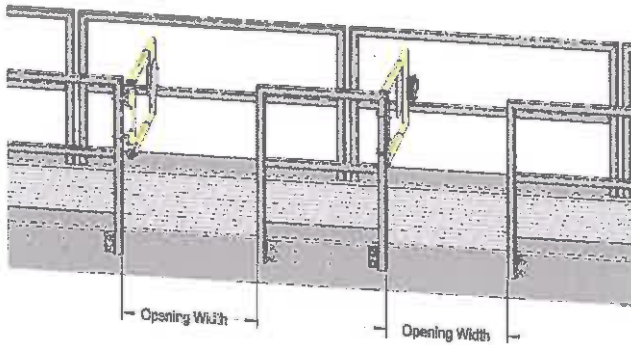
Gate Swing Clearance - Right



Parallel

Perpendicular

Gate Swing Clearance - Left



Parallel

Perpendicular

Determine Opening Width

Opening Width = _____

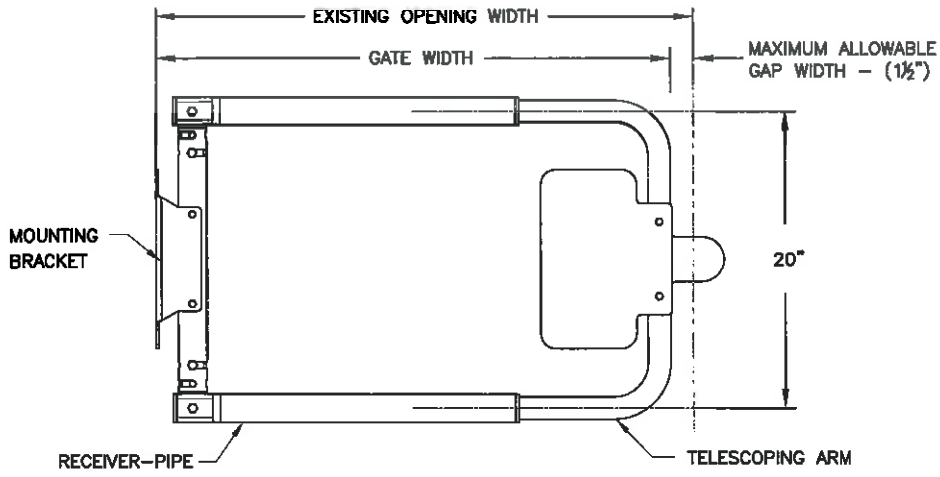
Mount Style = _____

ONCE OPENING WIDTH AND MOUNTING STYLE HAVE BEEN DETERMINED, CONTINUE TO PAGES 5 AND 6 FOR GATE SPECIFICATIONS TO DETERMINE RECEIVER PIPE STYLE (SHORT OR LONG) FOR APPROPRIATE SIZED GATE.

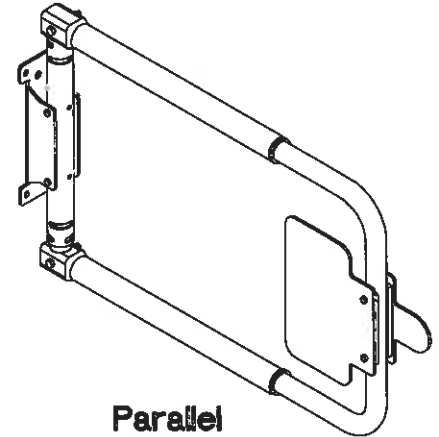
PHASE I

Evaluating Access Opening & Determining Mount / Swing Orientation

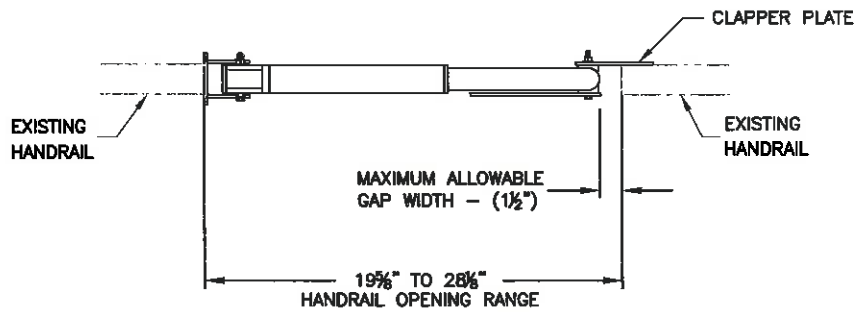
PARALLEL MOUNT SPECIFICATION SHEET



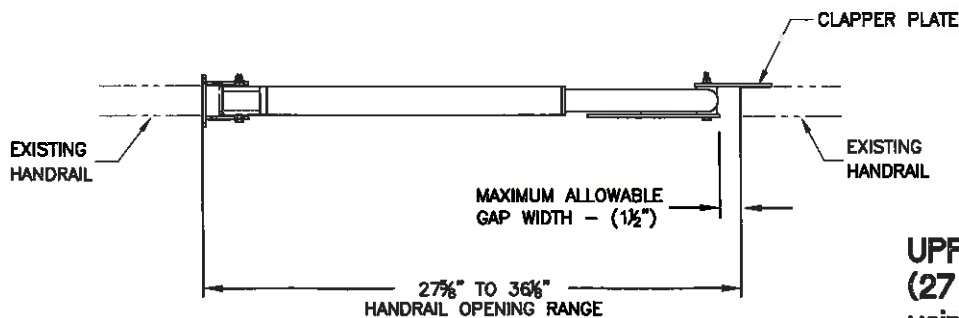
(Typical Gate Elevation View)



Parallel Mount



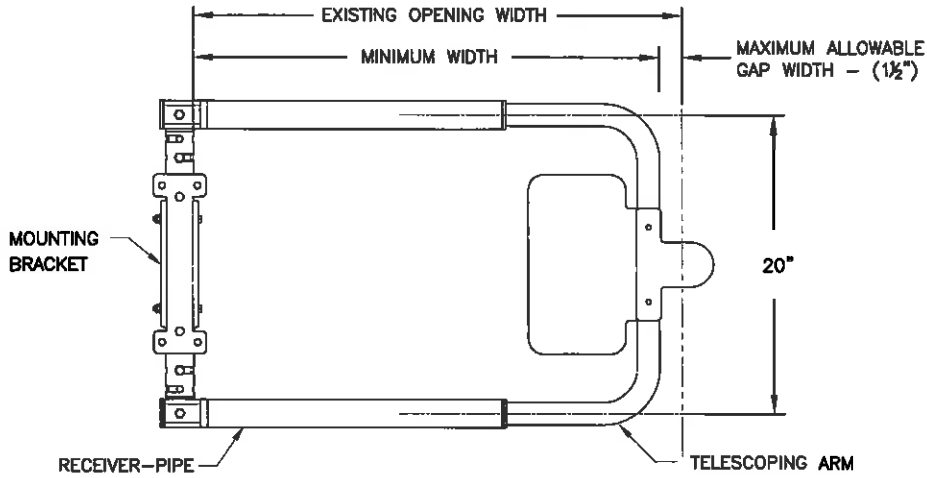
**LOWER RANGE OPENING
(19 5/8" to 28 1/8")
using SHORT RECEIVER PIPE
(Plan View)**



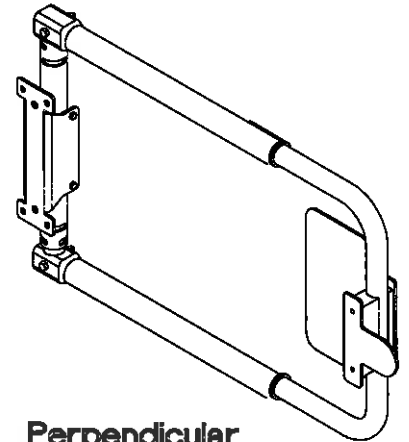
**UPPER RANGE OPENING
(27 5/8" to 36 1/8")
using LONG RECEIVER PIPE
(Plan View)**

PHASE I Evaluating Access Opening & Determining Mount / Swing Orientation

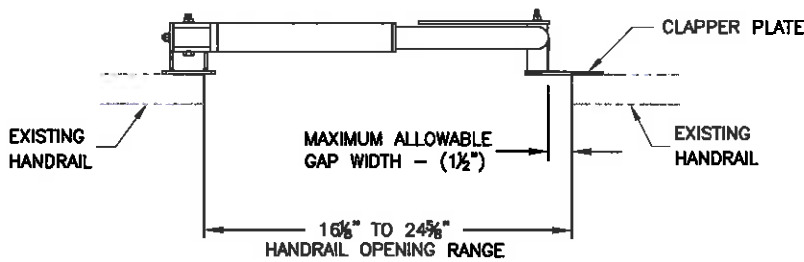
PERPENDICULAR MOUNT SPECIFICATION SHEET



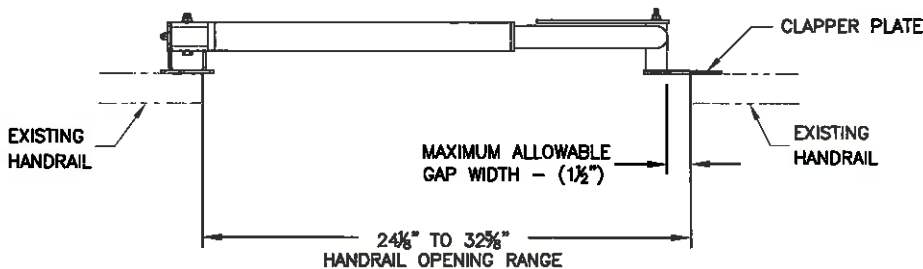
(Typical Gate Elevation View)



Perpendicular Mount



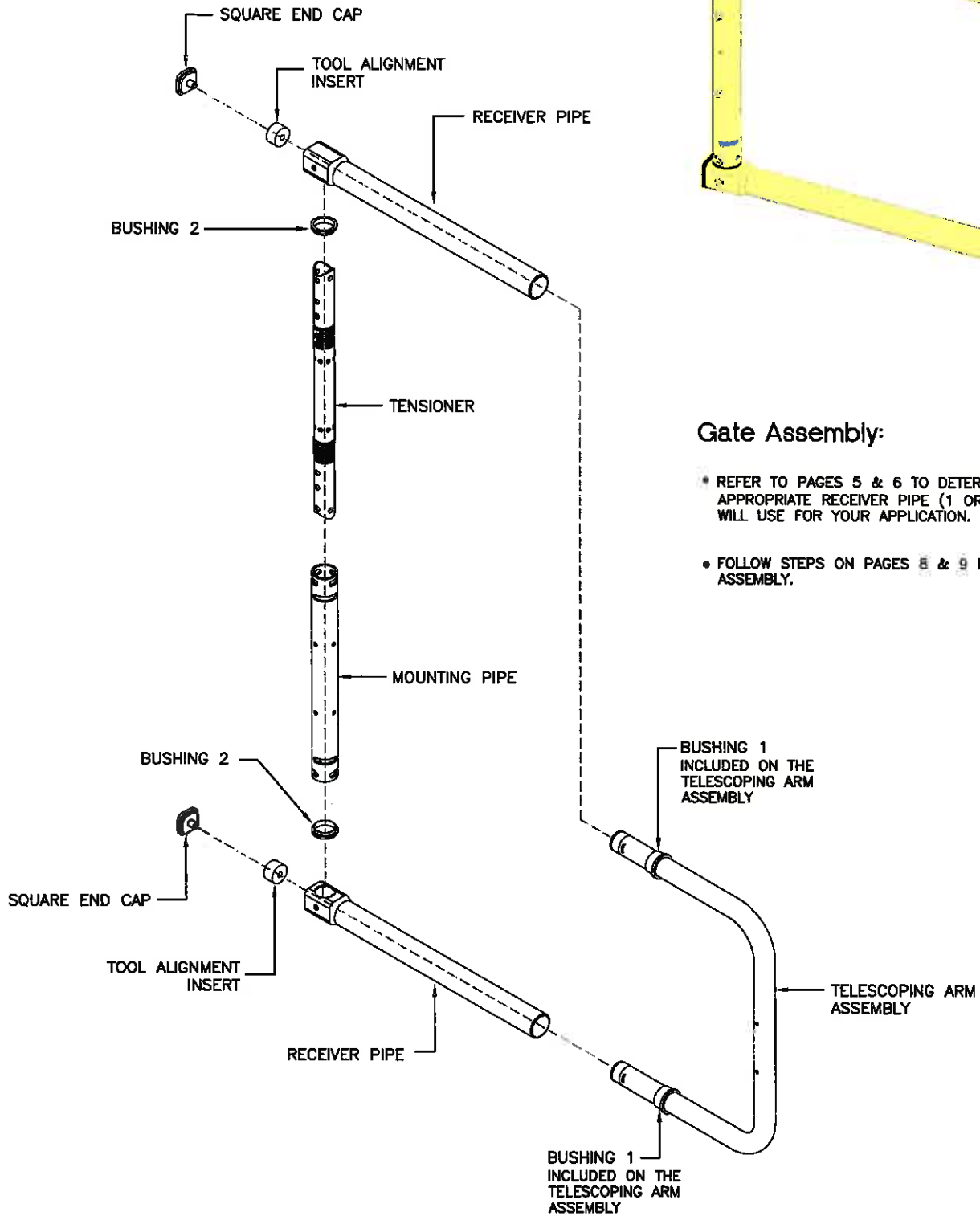
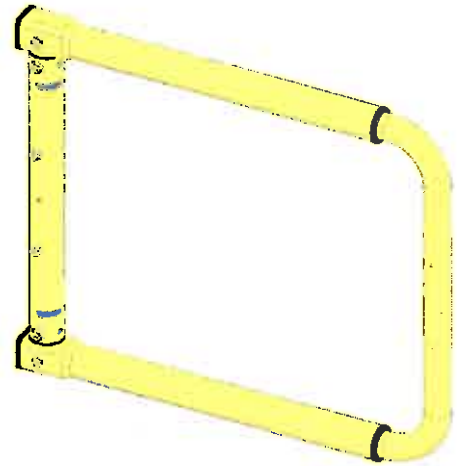
LOWER RANGE OPENING
(16 1/8" to 24 5/8")
using SHORT RECEIVER PIPE
(Plan View)



UPPER RANGE OPENING
(24 1/8" to 32 5/8")
using LONG RECEIVER PIPE
(Plan View)

PHASE II

Exploded Parts Overview



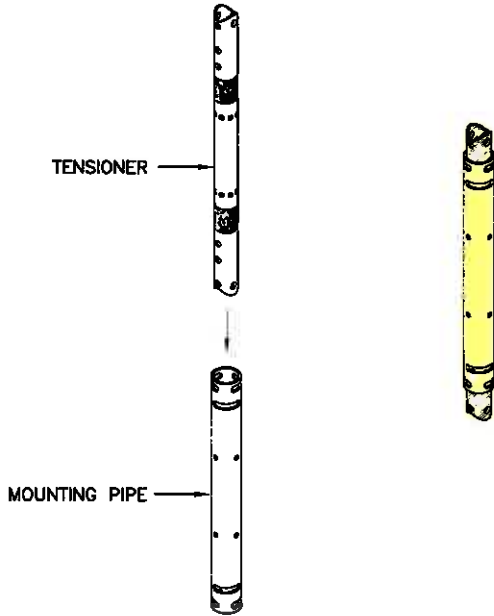
Gate Assembly:

- REFER TO PAGES 5 & 6 TO DETERMINE APPROPRIATE RECEIVER PIPE (1 OR 2) YOU WILL USE FOR YOUR APPLICATION.
- FOLLOW STEPS ON PAGES 8 & 9 FOR GATE ASSEMBLY.

Initial Gate Assembly

Step 1:

- INSERT TENSIONER INTO MOUNTING PIPE.

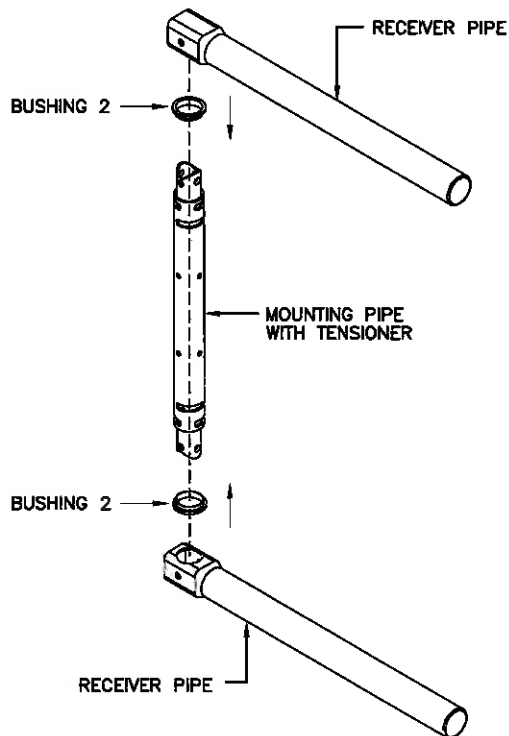


Step 2:

- AFTER SELECTING PROPER RECEIVER PIPE SIZE, SLIDE APPROPRIATE PIPE, INCLUDING EACH BUSHING 2, ONTO EACH END OF TENSIONER AS SHOWN.

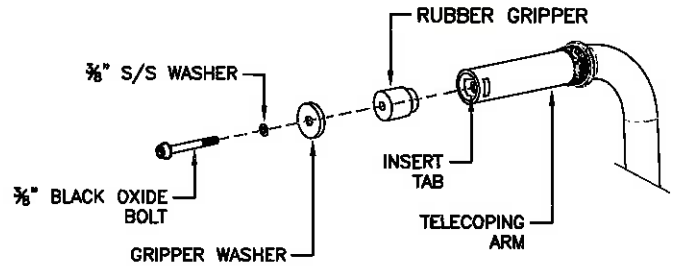
NOTE: REFER TO PAGES 5 & 6 FOR RECEIVER PIPE SIZING DIMENSIONS.

- DO NOT BOLT UNTIL STEP 4.



Step 3:

- ASSEMBLY BOLT, FLAT WASHER, GRIPPER WASHER, AND RUBBER GRIPPER TOGETHER AS SHOWN.
- BE SURE INSERT TAB IS CENTERED AND POSITIONED IN SLOTS ON TELESCOPING ARM. HOLD TAB IN PLACE WITH ONE HAND WHILE INSERTING BOLT GRIPPER ASSEMBLY INTO ARM WITH THE OTHER HAND.
- HAND TIGHTEN UNTIL BOLT GRIPPER ASSEMBLY IS SECURE.
- REPEAT FOR BOTH ENDS OF TELESCOPING ARM.



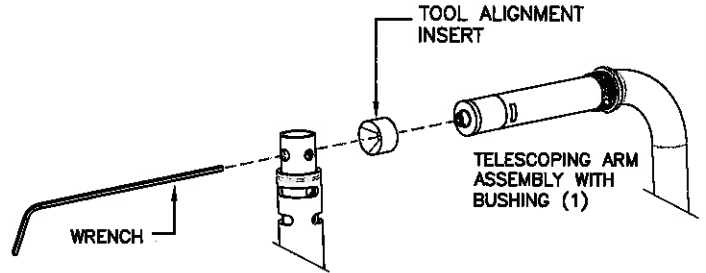
HARDWARE NEEDED:

- (2) 3/8"x3" BLACK OXIDE ALLEN HEAD BOLT
- (2) 3/8" S/S FLAT WASHER
- (2) ALUMINUM GRIPPER WASHER
- (2) RUBBER GRIPPER

Initial Gate Assembly

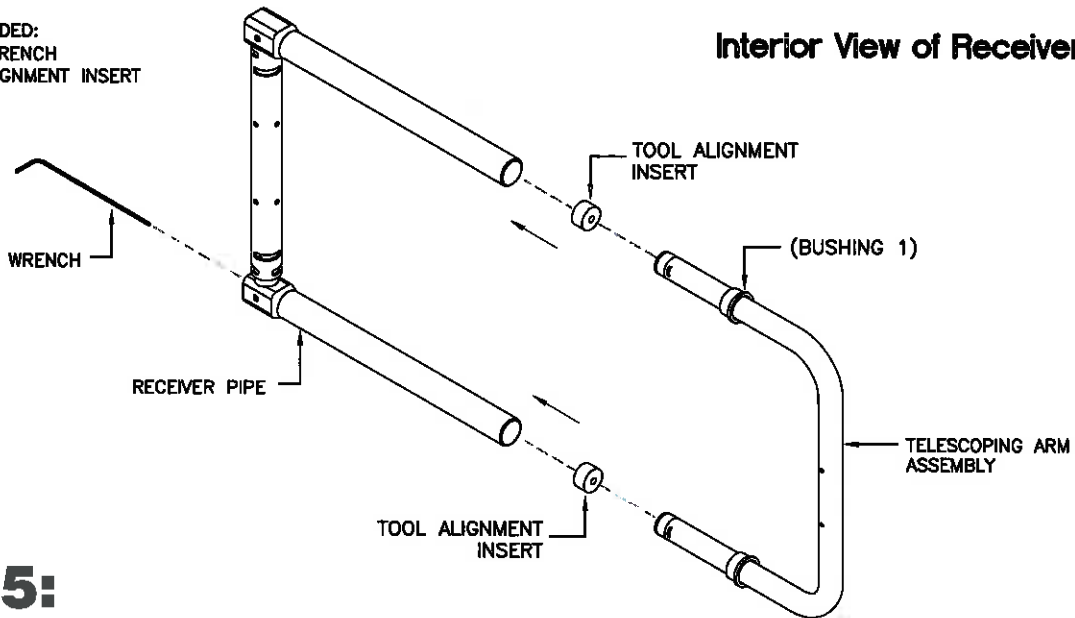
Step 4:

- SLIDE TOOL ALIGNMENT INSERT INTO END OF RECEIVER PIPE. BE SURE FLARED SIDE GOES IN TOWARDS TENSIONER.
- SLIDE TELESCOPING ARM INTO EACH END OF RECEIVER PIPES AS SHOWN.
- USING A TAPE MEASURE, POSITION TELESCOPING ARM ACCORDING TO DESIRED GATE SIZE DETERMINED FROM PAGES 5 AND 6.
- INSERT WRENCH THROUGH HOLE IN TENSIONER AT END OF RECEIVER PIPE AND POSITION ON BOLT.
- HAND TIGHTEN UNTIL TELESCOPING ARM IS FIRMLY SECURE.
- SLIDE BUSHING 1 INTO EACH RECEIVER PIPE AND TAP SECURELY INTO PLACE.



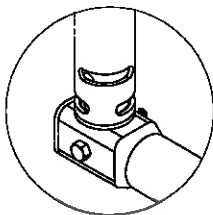
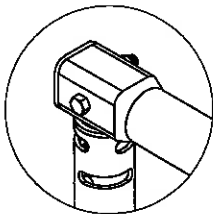
- HARDWARE NEEDED:**
 (1) ALLEN WRENCH
 (2) TOOL ALIGNMENT INSERT

Interior View of Receiver Pipe

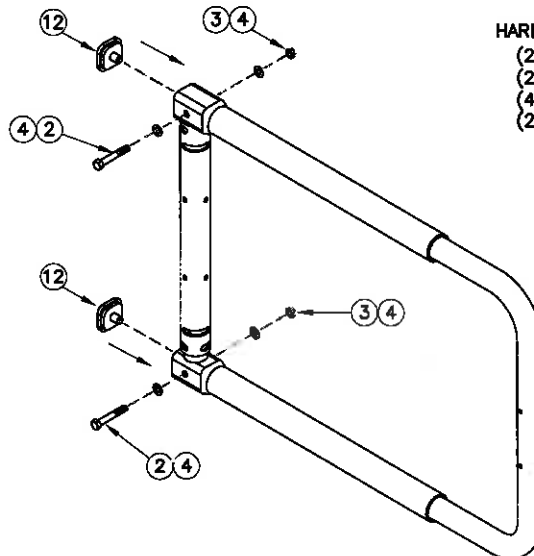


Step 5:

- NOW THAT TELESCOPING ARM IS IN PLACE, BOLT RECEIVER PIPES TO TENSIONER WITH SUPPLIED HARDWARE AS SHOWN.
- THEN, PUSH SQUARE END CAP INTO END OF EACH RECEIVER PIPE AS SHOWN.

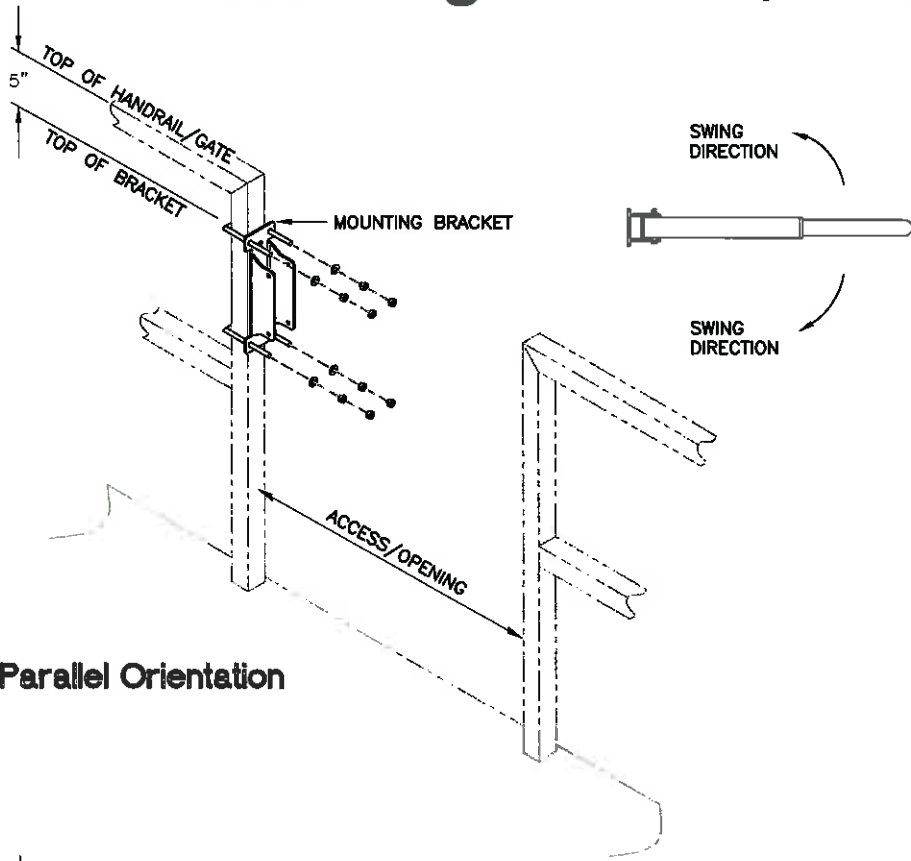


Assembled Views



- HARDWARE NEEDED:**
 (2) ITEM 2 - $\frac{3}{8}$ "x2 $\frac{1}{2}$ " S/S BOLT
 (2) ITEM 3 - $\frac{3}{8}$ " S/S NYLOCK NUT
 (4) ITEM 4 - $\frac{3}{8}$ " S/S FLAT WASHER
 (2) ITEM 12 - SQUARE END CAP

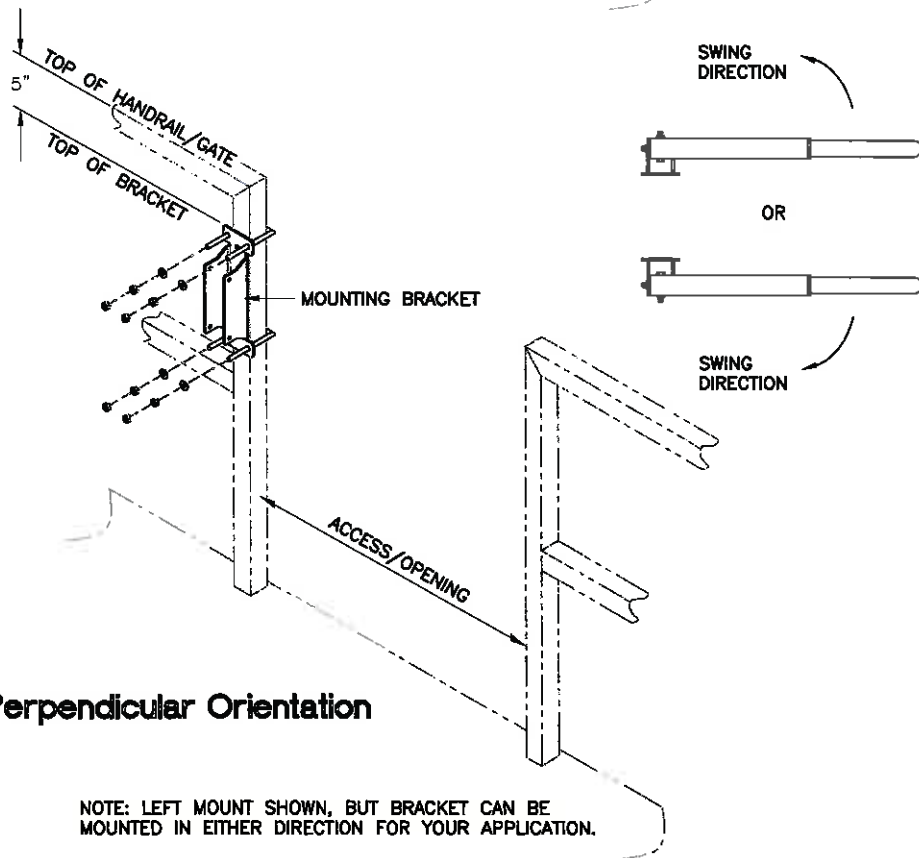
Mounting Bracket / Orientation



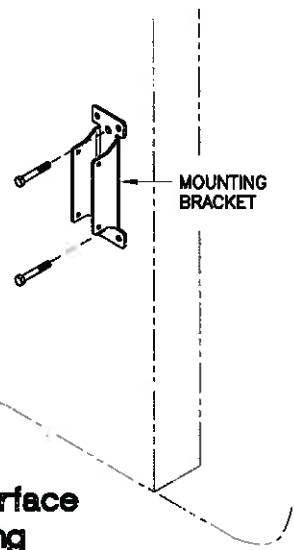
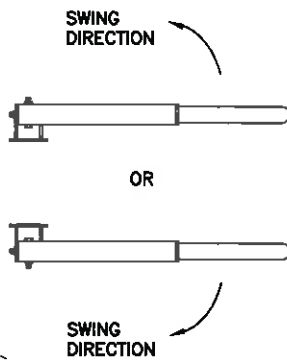
Parallel Orientation

Mounting:

- MOUNT BRACKET AT DIMENSION SHOWN (5") WHICH MOUNTS SWING GATE TOP RAIL LEVEL WITH EXISTING HANDRAIL.
- MOUNT WITH SUPPLIED U-BOLTS FOR PIPE STYLE HANDRAILS.
- MOUNT WITH SUPPLIED SQUARE U-BOLTS FOR SQUARE TUBE STYLE HANDRAILS.
- FOR ANGLE HANDRAIL OR FLAT SURFACE MOUNTING, USE APPROPRIATE $\frac{3}{8}$ " BOLTS TO MOUNT THROUGH HOLES IN BACK OF BRACKET.



Perpendicular Orientation



Flat Surface Mounting

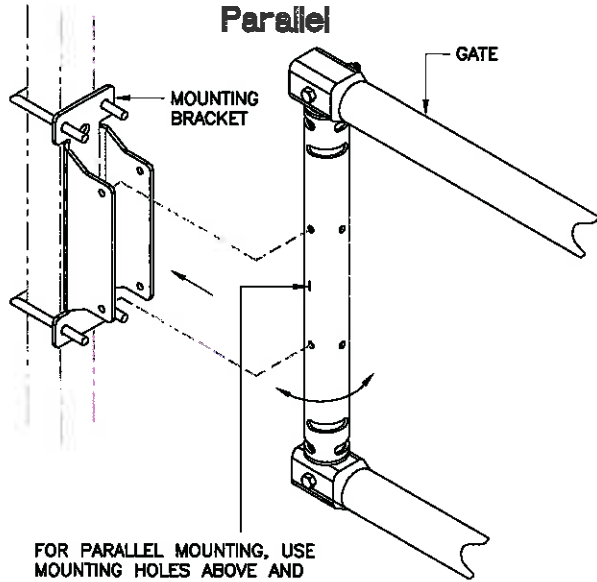
NOTE: LEFT MOUNT SHOWN, BUT BRACKET CAN BE MOUNTED IN EITHER DIRECTION FOR YOUR APPLICATION.

PHASE IV Mounting of Gate to Bracket

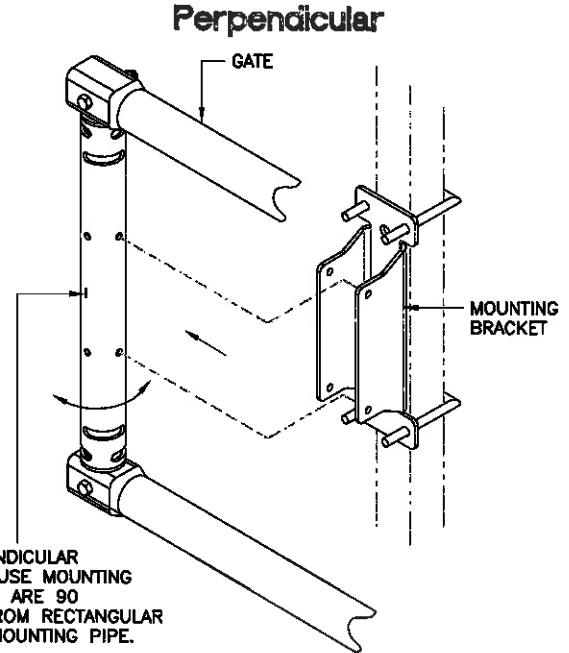
TENSION SET-UP

HARDWARE NEEDED:

- (2) ITEM 5 - 1/4"x3" S/S BOLT
- (2) ITEM 6 - 1/4" S/S NYLOCK NUT
- (4) ITEM 7 - 1/4" S/S FLAT WASHER



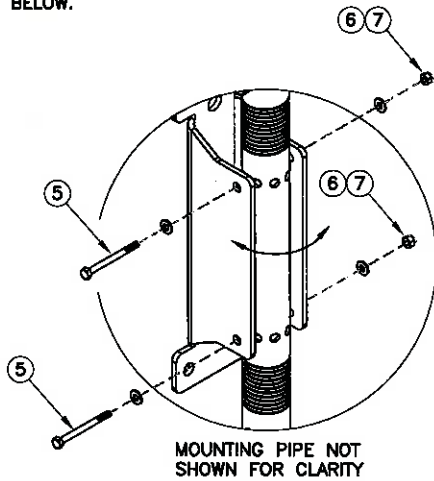
FOR PARALLEL MOUNTING, USE MOUNTING HOLES ABOVE AND BELOW RECTANGULAR NOTCH IN MOUNTING PIPE.



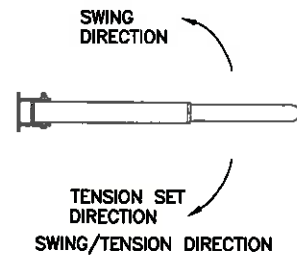
FOR PERPENDICULAR MOUNTING, USE MOUNTING HOLES THAT ARE 90 DEGREES FROM RECTANGULAR NOTCH IN MOUNTING PIPE.

SET UP #1:

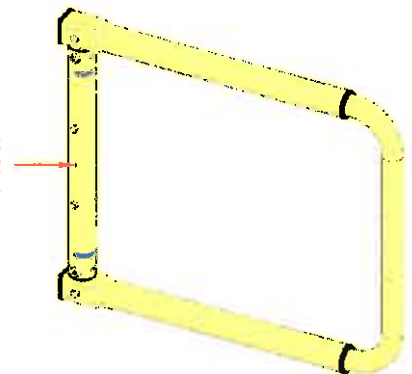
- WHILE HOLDING MOUNTING PIPE IN POSITION AS SHOWN ABOVE, PRIOR TO INSTALLING MOUNTING BOLTS, ROTATE GATE IN OPPOSITE DIRECTION OF DESIRED SWING. (SEE EXAMPLE RIGHT)
- WHILE LOOKING THROUGH BRACKET MOUNTING HOLES, ROTATE 1 OR 2 HOLES AND INSERT BOLT THROUGH MOUNTING BRACKET AND GATE AS SHOWN BELOW.



MOUNTING PIPE NOT SHOWN FOR CLARITY



NOTE: NOTCH IS ALWAYS PERPENDICULAR TO GATE RAILS.



- CONNECT BOTH GATE MOUNTING HOLES IN BRACKET AND TIGHTEN SECURELY.
- NOTE: TENSION BECOMES GREATER FOR EACH ADDITIONAL HOLE POSITION. ADJUST IF NECESSARY.

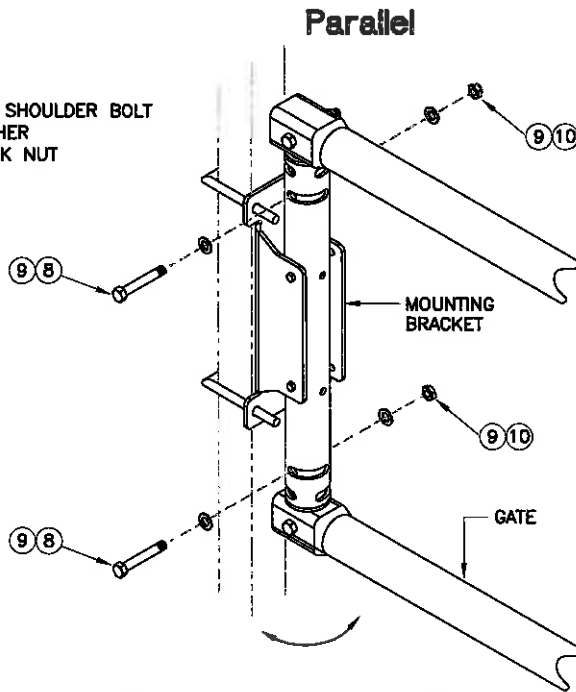
1ST HOLE SERVES MOST APPLICATIONS.
3RD HOLE IS NOT RECOMMENDED.

PHASE IV Mounting of Gate to Bracket

POSITIVE STOP SET-UP

HARDWARE NEEDED:

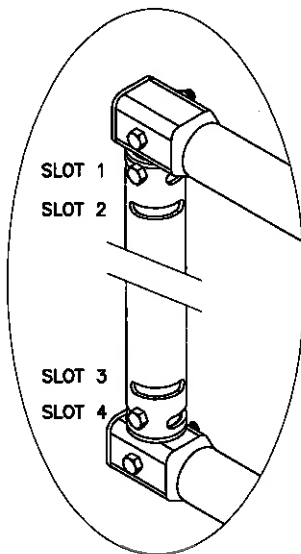
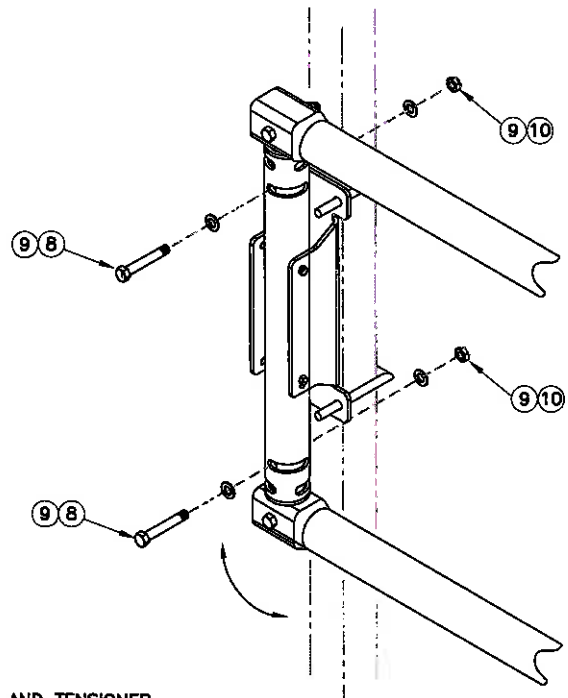
- (2) ITEM 8 - $\frac{3}{8}$ "x2"x $\frac{1}{6}$ " S/S SHOULDER BOLT
- (4) ITEM 9 - $\frac{3}{8}$ " NYLON WASHER
- (2) ITEM 10 - $\frac{1}{2}$ " S/S NYLOCK NUT



SET UP #2:

- ROTATE GATE BACK SQUARE WITH OPENING (CLOSED POSITION) WHICH WILL ALIGN HOLES IN TENSIONER WITH SLOTS IN MOUNTING PIPE.
- NOTE: WHILE GATE IS IN "TENSION" POSITION, ONE HOLE IN TENSIONER IS VISIBLE THROUGH ONE OF THE TOP AND BOTTOM SLOTS IN MOUNTING PIPE. WHEN ROTATING GATE BACK TO "CLOSED" POSITION, HOLES WILL BE VISIBLE IN THE OPPOSITE SLOTS IN THE MOUNTING PIPE, WHICH IS THE CORRECT HOLES FOR BOLTING TO COMPLETE TENSION SET UP.
- BOLT THROUGH MOUNTING PIPE AND TENSIONER AS SHOWN USING SUPPLIED BOLTS, NUTS, AND WASHERS.
- ONCE BOLTS ARE IN PLACE, GATE SHOULD STOP IN CLOSED POSITION.

Perpendicular



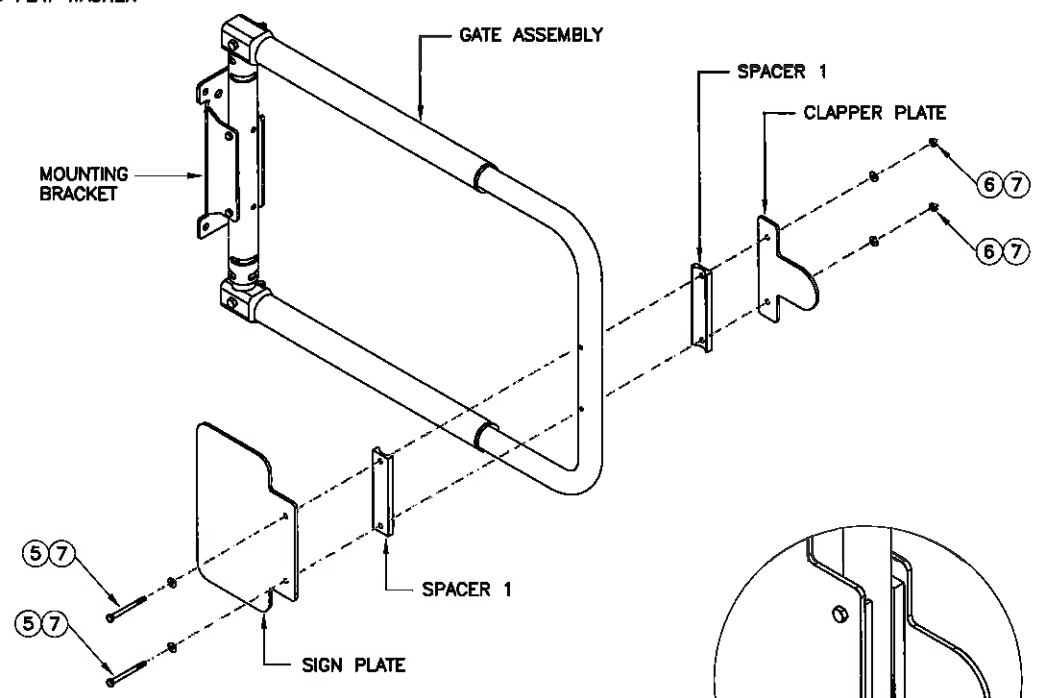
WHEN BOLTING MOUNTING PIPE AND TENSIONER TOGETHER TO COMPLETE TENSION SET UP, USE THE FOLLOWING SLOT COMBINATION:
SLOTS 1 AND 4
OR
SLOT2 2 AND 3

PHASE V

Clapper & Sign Plate Installation

PARALLEL MOUNT

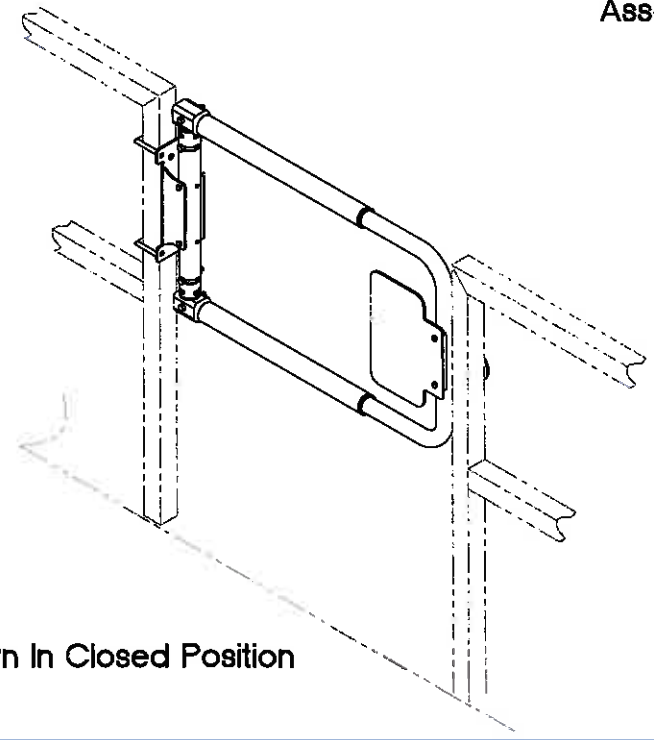
- HARDWARE NEEDED:**
- (2) ITEM 5 - 1/4"x2 1/2" S/S BOLT
 - (2) ITEM 6 - 1/4" S/S ACORN NUT
 - (4) ITEM 7 - 1/4" S/S FLAT WASHER



Mounting:

- MOUNT CLAPPER, SPACERS, AND SIGN PLATE AS SHOWN IN DIAGRAM USING SUPPLIED BOLTS, NUTS, AND WASHERS.

Assembled View



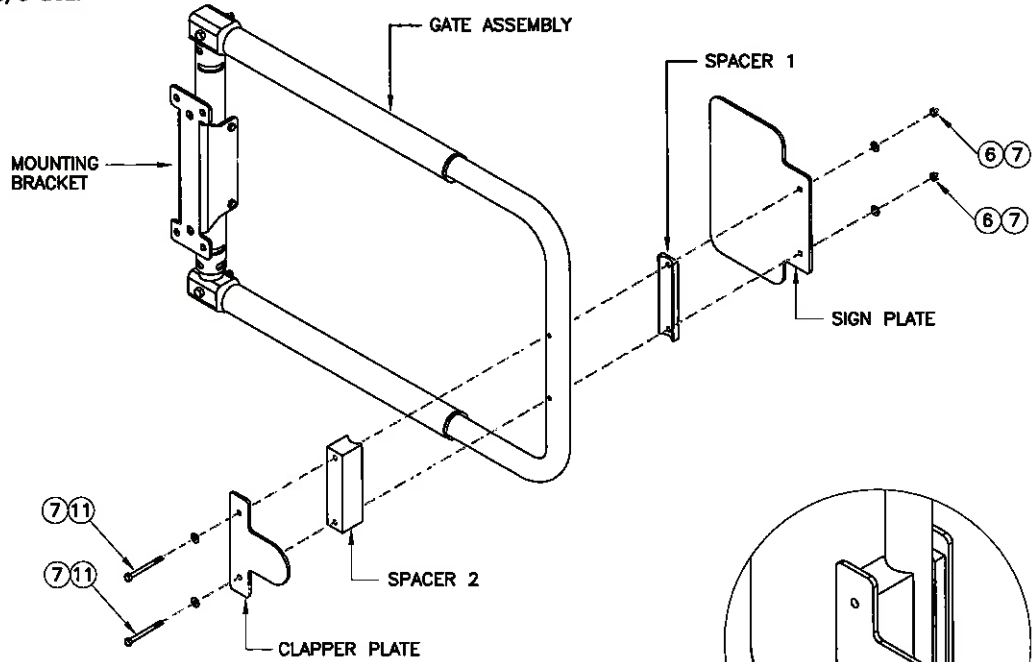
Assembled Gate Shown In Closed Position

PHASE V Clapper & Sign Plate Installation

PERPENDICULAR MOUNT

HARDWARE NEEDED:

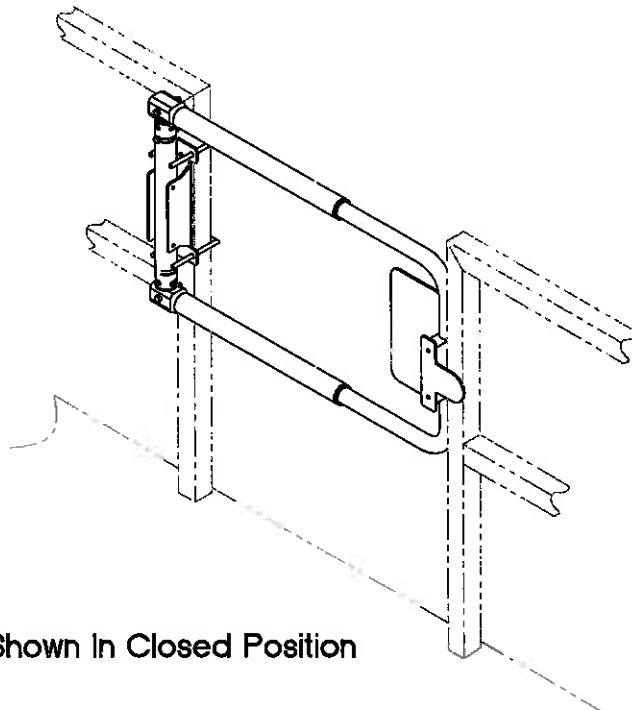
- (2) ITEM 6 - 1/4" S/S ACORN NUT
- (4) ITEM 7 - 1/4" S/S FLAT WASHER
- (2) ITEM 11 - 1/4"x3 3/4" S/S BOLT



Mounting:

- MOUNT CLAPPER, UHMW SPACER, AND SIGN PLATE AS SHOWN IN DIAGRAM USING SUPPLIED BOLTS, NUTS, AND WASHERS.

Assembled View



Assembled Gate Shown In Closed Position

GENERAL MAINTENANCE (6 Month Inspection)

- 1 - CHECK FOR LOOSE HARDWARE - TIGHTEN IF NECESSARY.
- 2 - CHECK FOR DAMAGED PARTS - CONTACT DISTRIBUTOR FOR REPLACEMENTS OR NEW YELLOWGATE.
- 3 - OPEN YELLOWGATE TO CHECK THAT IT STILL MAINTAINS TENSION FOR CLOSING. IF NO TENSION, THEN MALBEC TENSIONER MAY NEED REPLACING. CONTACT DISTRIBUTOR FOR NEW MALBEC TENSIONER OR NEW YELLOWGATE.
- 4 - STANDARD WARRANTY APPLIES - YELLOWGATE MUST BE ASSEMBLED AS INSTRUCTED.