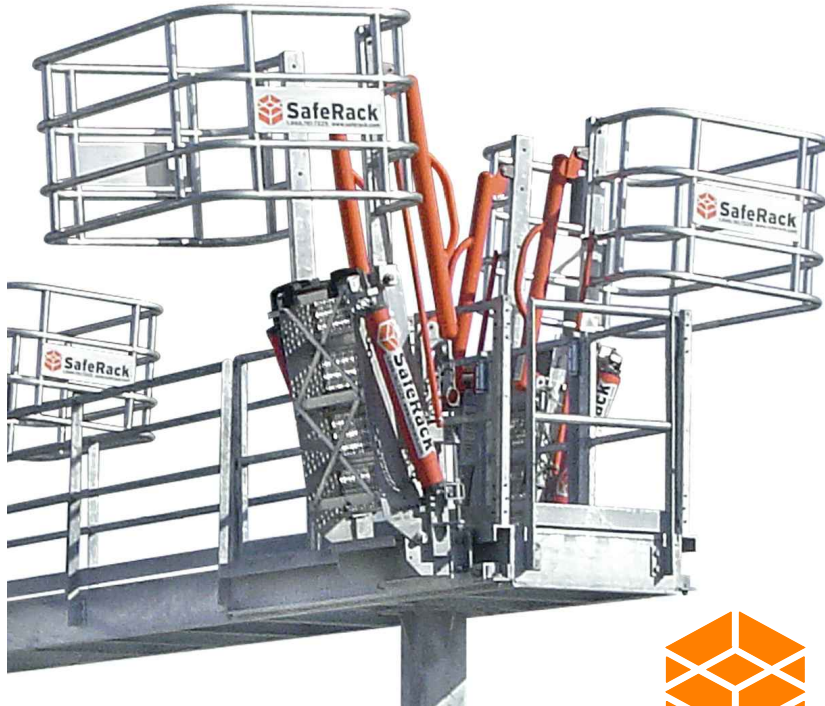




SafeRack
LOADING RACK TECHNOLOGIES

Owner's Manual

GANGWAY TRACK MOUNT and SWING GATE OPTION

SafeRack
Sales and Support
730 Electric Drive
Sumter, S.C. 29153
803-774-7225

ASSEMBLY INSTRUCTIONS

1

ALL HARDWARE NEEDED FOR ASSEMBLY IS LOCATED IN A 5 GALLON BUCKET SHIPPED WITH THE UNIT. INSIDE YOU WILL FIND ALL HARDWARE BOXED AND MARKED AS TO ITS PROPER LOCATION. IT IS RECOMMENDED THAT A FORKLIFT, HOIST, CRANE OR OTHER SUITABLE LIFTING DEVICE BE USED FOR PROPER AND SAFE ASSEMBLY.

PLEASE TAKE A MOMENT TO INSPECT YOUR NEW UNIT. PLEASE LOOK FOR SHIPPING DAMAGE OR ANY LOOSE BANDING WHICH MIGHT INDICATE A MISSING PART. PLEASE CHECK PACKING LIST AGAINST YOUR UNIT TO INSURE ALL PARTS HAVE ARRIVED WITHOUT DAMAGE.

SHIPPING LIST:

QUANTITY	DESCRIPTION
1	GANGWAY WITH CARRIAGE
1	BOLT BUCKET
*	TRACK SECTION
*	SWING GATES

* REFER TO ERECTION DRAWINGS FOR SIZE AND QUANTITY



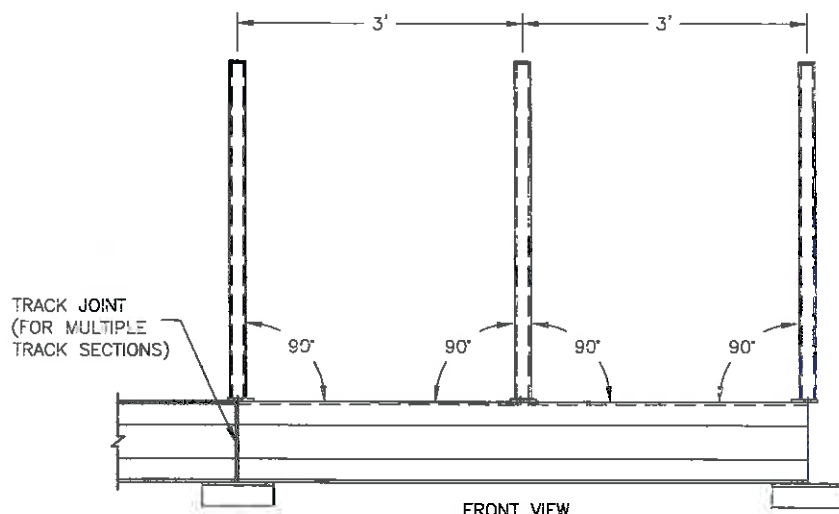
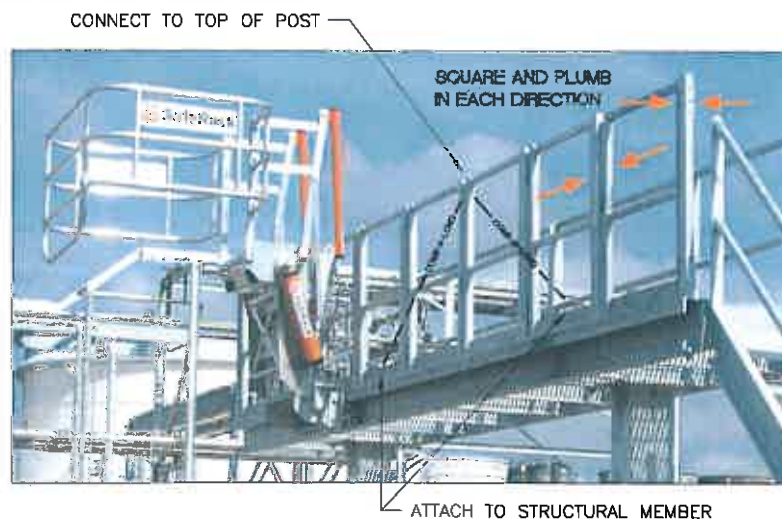
NOTE: BEFORE INSTALLATION OF GANGWAY

TRACK UPRIGHT POSTS CAN BE BENT OUT OF SQUARE DURING SHIPPING. ALL POSTS NEED TO BE CHECKED AND RE-SQUARED AND PLUMBED IN EACH DIRECTION IF NECESSARY. THIS CAN BE DONE BY USING A COME-A-LONG TIED TO THE POST AND TO SOME PART OF THE PLATFORM. (SEE PICTURE AND TRACK SECTION BELOW)

ALL POSTS NEED TO BE CHECKED (AND ADJUSTED IF NECESSARY) BEFORE INSTALLATION OF SWING GATES AND GANGWAY/CARRIAGE.

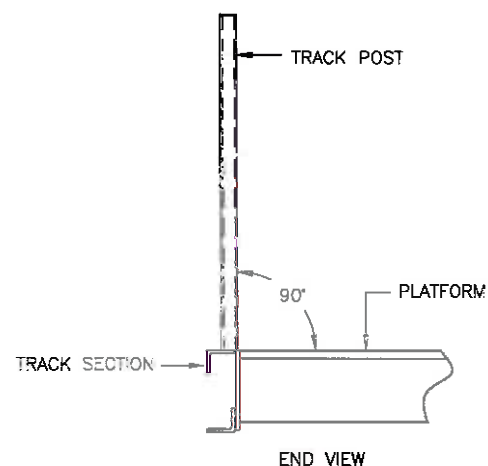
VERIFY ALL POSTS ARE SQUARE AND PLUMB.

IF APPLICABLE, MULTIPLE TRACK SECTIONS SHOULD HAVE A SMOOTH TRANSITION BETWEEN SECTIONS. VERIFY TRACK AREA IS CLEAN AND SMOOTH FROM ANY GALVANIZING BUILD-UP OR DEBRIS AT MATCHING TRACK JOINTS. (SEE VIEW BELOW)



FRONT VIEW

TYPICAL TRACK SECTION



END VIEW



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TRACK MOUNT - OPTION

ASSEMBLY INSTRUCTIONS

MOUNTING NEW TRACK TO PLATFORM

BOLT ON INSTALLATION:

EXISTING PLATFORMS WILL NEED TO BE PRE-DRILLED BEFORE MOUNTING TRACK. USE HOLE PATTERN AS SHOWN ON TRACK SECTION.

SAFERACK PLATFORMS WILL COME PRE-DRILLED TO MATCH TRACK SECTION(S).

REMINDER – TOP OF TRACK SECTION SHOULD BE THE SAME AS TOP OF WALK SURFACE.

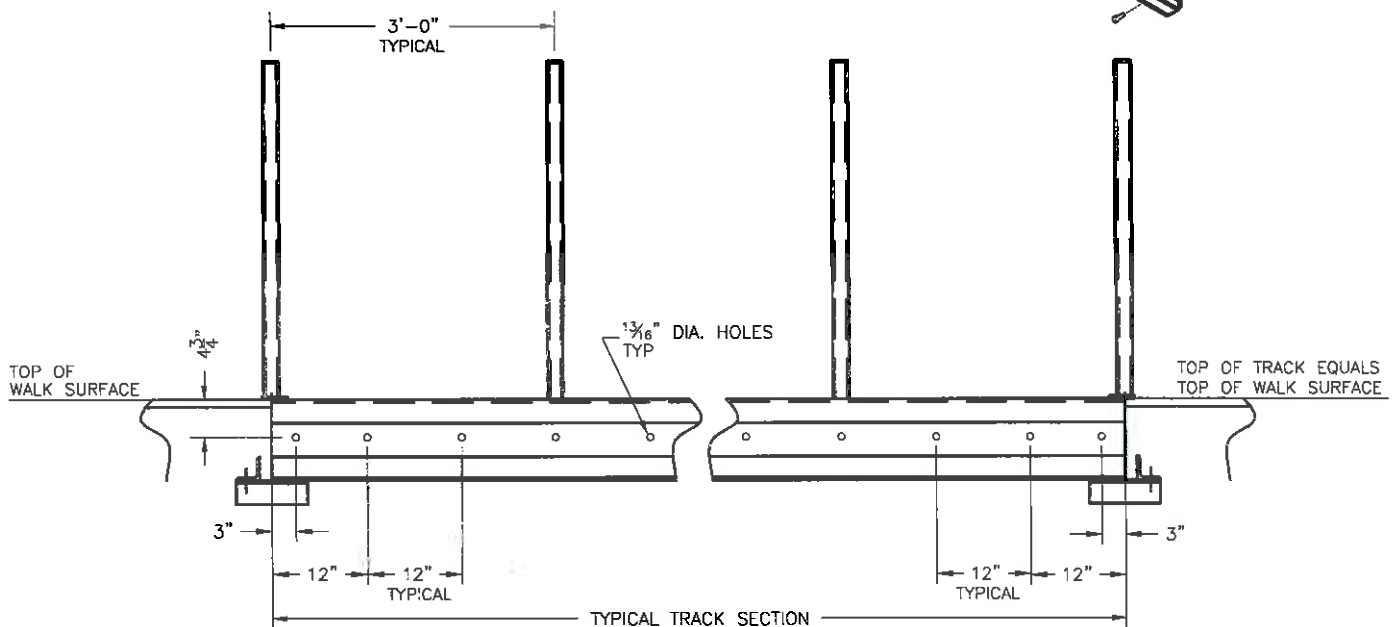
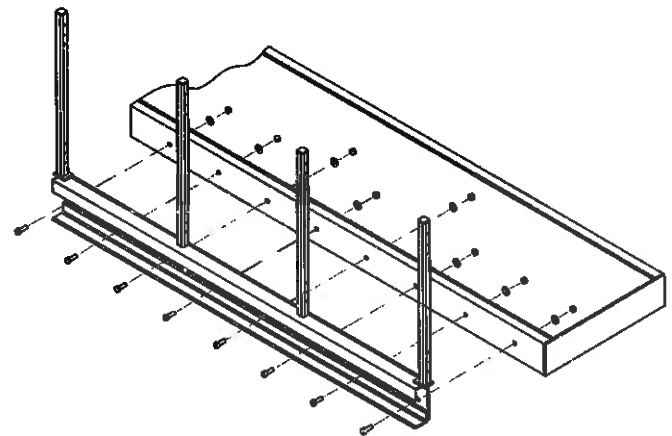
BOLT TRACK SECTION TO PLATFORM AS SHOWN.



TOP OF TRACK SECTION SHOULD BE FLUSH WITH TOP OF PLATFORM

MOUNTING HOLES

TRACK TO PLATFORM TYPICAL CONNECTION USING FH-1014 BOLT ASSEMBLY



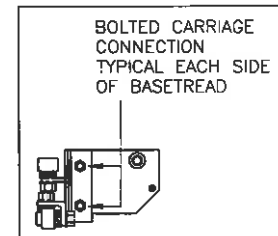
ASSEMBLY INSTRUCTIONS



GANGWAY / CARRIAGE

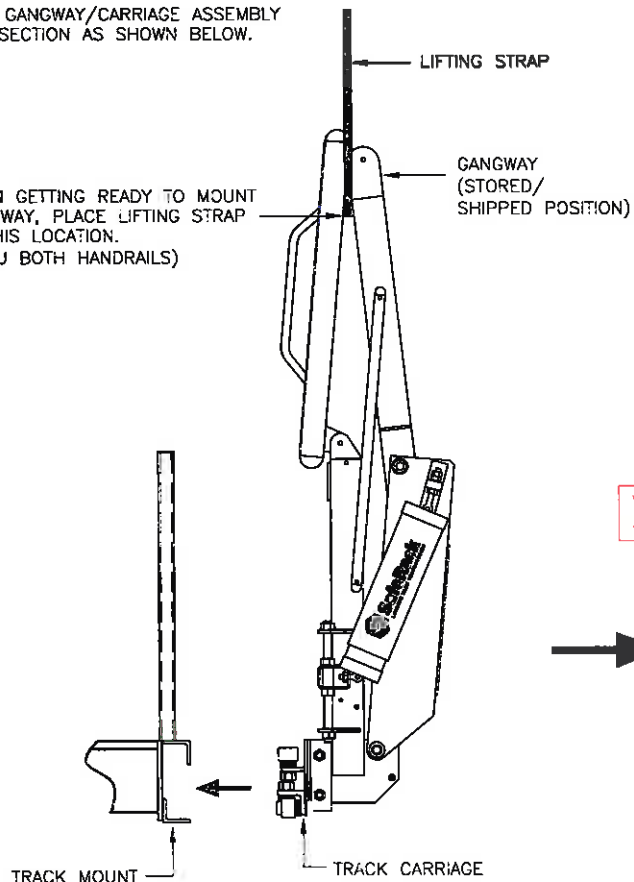
INSTALLATION:

- 1a) FOR LONG TRACK SECTIONS AND/OR MULTIPLE TRACK SECTIONS, IT IS RECOMMENDED TO FIRST UN-BOLT CARRIAGE FROM GANGWAY BASE AND ROLL CARRIAGE THRU ENTIRE TRACK SECTION(S) TO VERIFY TRACK AREA IS CLEAN AND SMOOTH FROM ANY GALVANIZING BUILD-UP AND/OR DEBRIS BEFORE INSTALLING GANGWAY/CARRIAGE UNIT TO ENSURE PROPER WORKING OF EQUIPMENT.
- 1b) AFTER VERIFYING TRACK SECTION IS CLEAR OF ANY OBSTRUCTIONS, RE-MOUNT CARRIAGE ON TO GANGWAY BASETREAD. BE SURE TO TIGHTEN ALL FOUR BOLTED CONNECTIONS SECURELY. THEN, SLIDE GANGWAY/CARRIAGE ASSEMBLY INTO TRACK SECTION AS SHOWN BELOW.



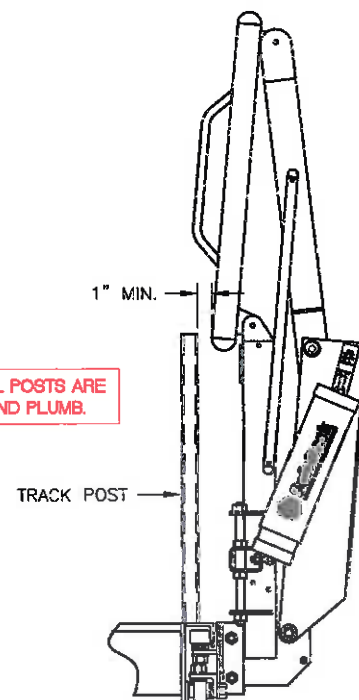
NOTE:

WHEN GETTING READY TO MOUNT GANGWAY, PLACE LIFTING STRAP IN THIS LOCATION.
(THRU BOTH HANDRAILS)



NOTE: SLIDE CARRIAGE IN AT END OF TRACK.

VERIFY ALL POSTS ARE
SQUARE AND PLUMB.



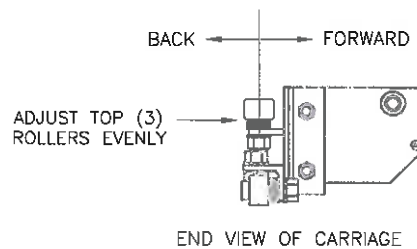
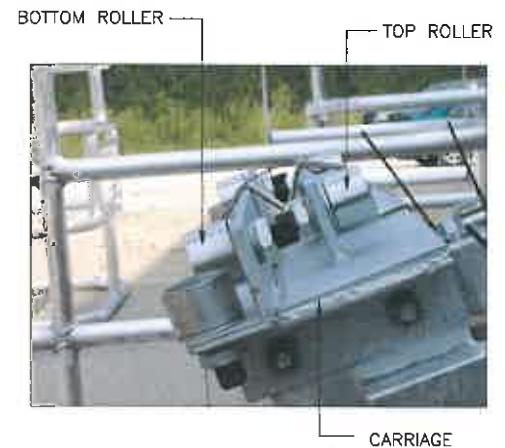
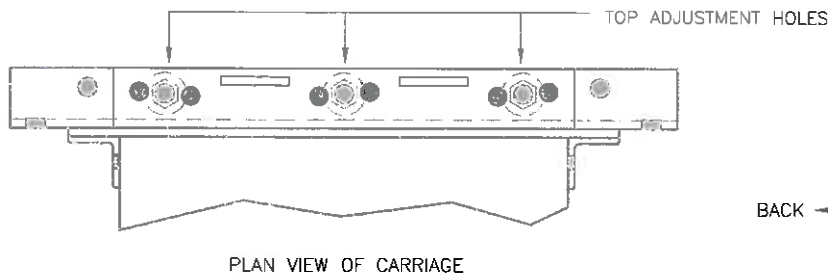
UNIT SHOWN MOUNTED INTO TRACK

ASSEMBLY INSTRUCTIONS

4

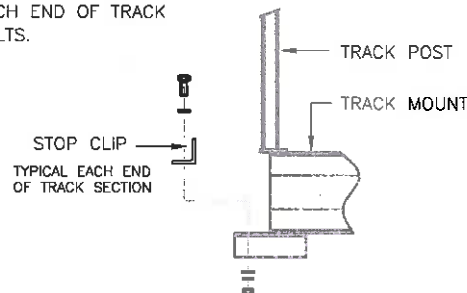
INSTALLATION (CON'T.):

- 2) VERIFY THAT UNIT IS NOT LEANING OR SAGGING. DUE TO TRACK GALVANIZING VARIATIONS, TOP (3) ROLLERS MAY NEED TO BE RELOCATED TO ADJUST ALIGNMENT OF CARRIAGE TO HELP PREVENT SAGGING OF UNIT.
- a) IF SO, REMOVE STOP CLIP AND UNIT FROM TRACK AND ADJUST TOP ROLLERS AS SHOWN. CARRIAGE IS SHIPPED WITH ROLLERS IN CENTER HOLES. ALL 3 ROLLERS MUST BE MOVED EITHER FORWARD OR BACK.



- b) THEN RE-MOUNT UNIT INTO TRACK SECTION. VERIFY AGAIN THAT UNIT IS NOT LEANING AND IS TRACKING PROPERLY.

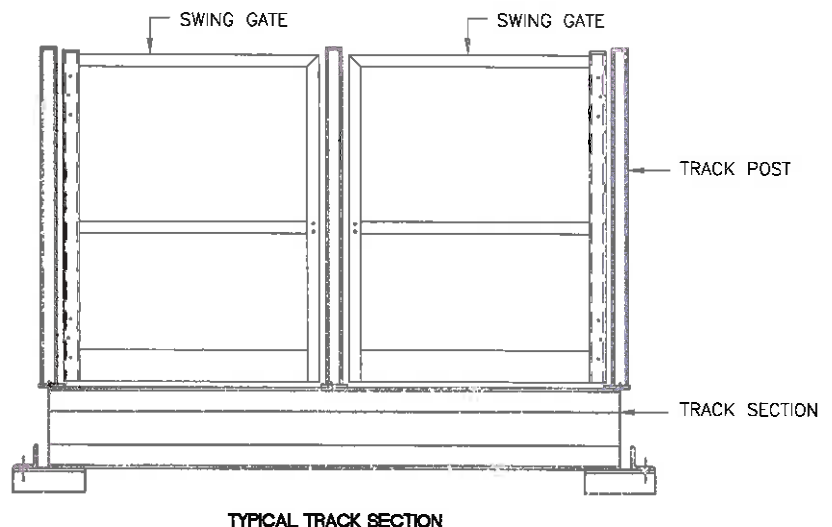
- 3) INSTALL STOP CLIPS TO EACH END OF TRACK SECTION WITH $\frac{3}{4}$ " x $2\frac{1}{4}$ " BOLTS.



INSTALLATION OF SWING GATES:

- 4A) SWING GATES CAN BE MOUNTED LEFT HANDED OR RIGHT HANDED.
- FOR PLACEMENT AND MOUNTING OF HINGES AND STOPS, SEE STEP 4B ON NEXT PAGE.
- REFER TO ERECTION DRAWINGS FOR PIECE NUMBER AND PLACEMENT OF MULTIPLE TRACK SECTIONS.

INSTALLER NOTE:
UPRIGHTS AND/OR SWINGGATE
HOLES MAY REQUIRE REAMING
FROM EXCESS GALVANIZATION.



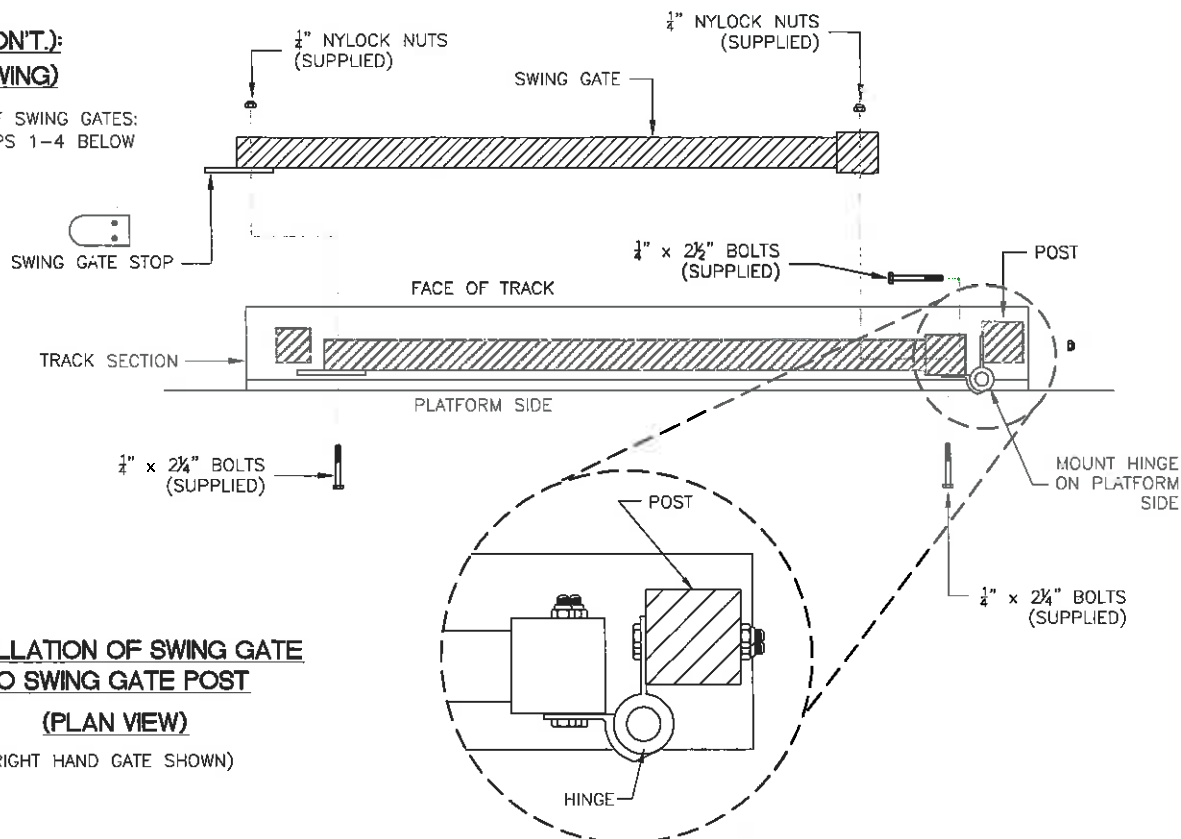
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TRACK MOUNT - OPTION

ASSEMBLY INSTRUCTIONS

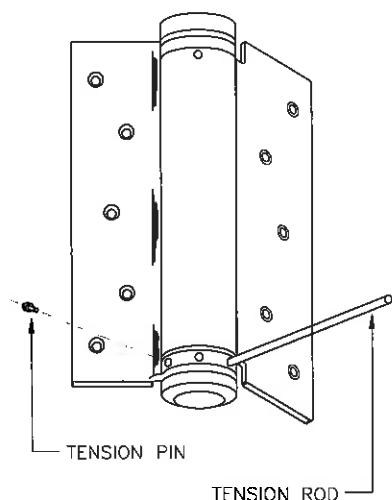
INSTALLATION (CONT.): (RIGHT HAND SWING)

4B) INSTALLATION OF SWING GATES:
REFER TO STEPS 1-4 BELOW



INSTALLATION OF SWING GATE TO SWING GATE POST (PLAN VIEW)

(RIGHT HAND GATE SHOWN)



(ILLUSTRATION #1)

STEP 1

WHEN FACING GATE (ON PLATFORM), IF GATE IS TO SWING FROM LEFT TO RIGHT (RIGHT HAND GATE), MOUNT HINGE WITH ADJUSTMENT HOLES TO THE BOTTOM. (SEE ILLUSTRATION #1)

STEP 2

INSTALL HINGES TO POST AND SWING GATE. BE SURE TOP AND BOTTOM HINGES ARE MOUNTED IN THE SAME DIRECTION. FASTEN HINGES SECURELY WITH SCREWS, PROVIDED.

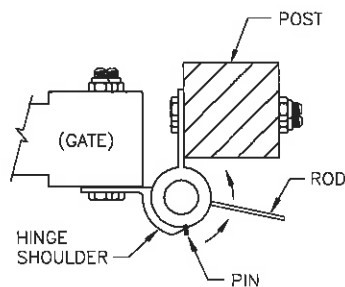
STEP 3

ON PLATFORM SIDE OF SWING GATE, ATTACH STOP PLATE OPPOSITE HINGE SIDE (SEE ILLUSTRATION ABOVE.)

STEP 4

PLACE SWING GATE IN CLOSED POSITION AS SHOWN IN ILLUSTRATION ABOVE AND INSERT TENSION ROD INTO TENSION COLLAR.

- FOR RIGHT HAND GATE, TURN TENSION COLLAR COUNTERCLOCKWISE TO THREE (3) HOLES (SEE ILLUSTRATION #2) INSERT TENSION PIN INTO COLLAR NEXT TO HINGE SHOULDER.
- REPEAT STEPS FOR ALL TOP AND BOTTOM HINGES.



(ILLUSTRATION #2)

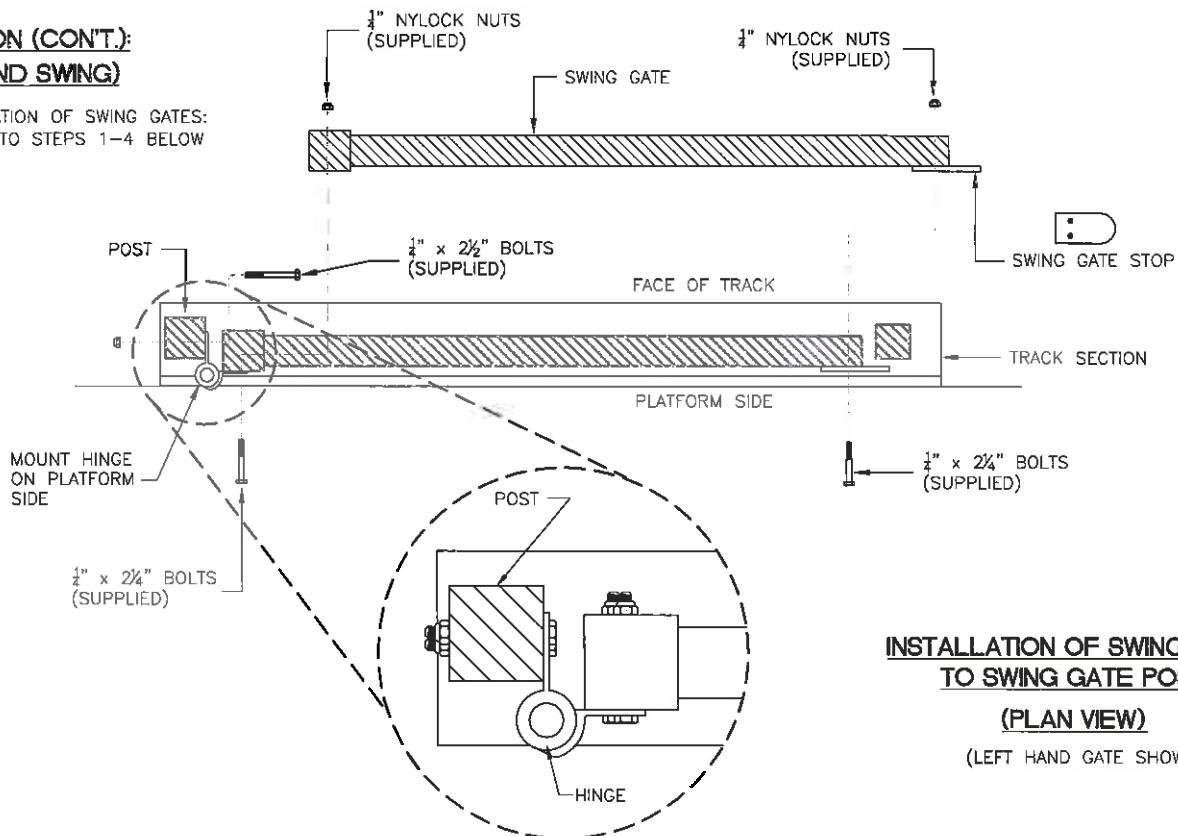
ASSEMBLY INSTRUCTIONS

6

INSTALLATION (CONT.):

(LEFT HAND SWING)

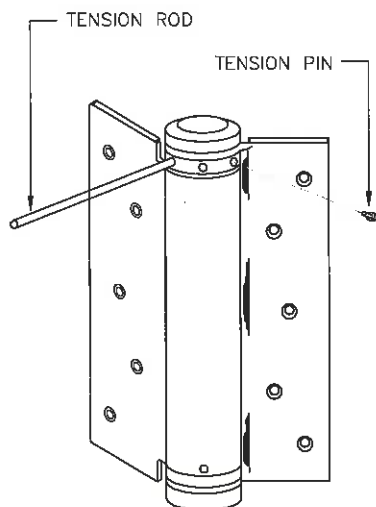
4B) INSTALLATION OF SWING GATES:
REFER TO STEPS 1-4 BELOW



INSTALLATION OF SWING GATE TO SWING GATE POST

(PLAN VIEW)

(LEFT HAND GATE SHOWN)



(ILLUSTRATION #3)

STEP 1

WHEN FACING GATE (ON PLATFORM), IF GATE IS TO SWING FROM RIGHT TO LEFT (LEFT HAND GATE), MOUNT HINGE WITH ADJUSTMENT HOLES TO THE TOP. (SEE ILLUSTRATION #3)

STEP 2

INSTALL HINGES TO POST AND SWING GATE. BE SURE TOP AND BOTTOM HINGES ARE MOUNTED IN THE SAME DIRECTION. FASTEN HINGES SECURELY WITH SCREWS, PROVIDED.

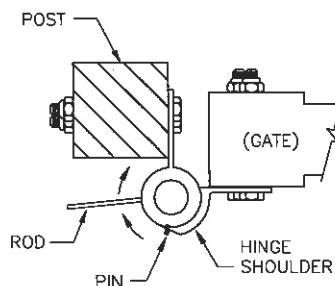
STEP 3

ON PLATFORM SIDE OF SWING GATE, ATTACH STOP PLATE OPPOSITE HINGE SIDE (SEE ILLUSTRATION ABOVE.)

STEP 4

PLACE SWING GATE IN CLOSED POSITION AS SHOWN IN ILLUSTRATION ABOVE AND INSERT TENSION ROD INTO TENSION COLLAR.

- FOR LEFT HAND GATE, TURN TENSION COLLAR CLOCKWISE TO THREE (3) HOLES (SEE ILLUSTRATION #4) INSERT TENSION PIN INTO COLLAR NEXT TO HINGE SHOULDER.
- REPEAT STEPS FOR ALL TOP AND BOTTOM HINGES.



(ILLUSTRATION #4)

ASSEMBLY INSTRUCTIONS

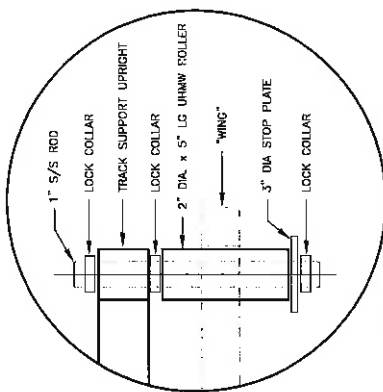
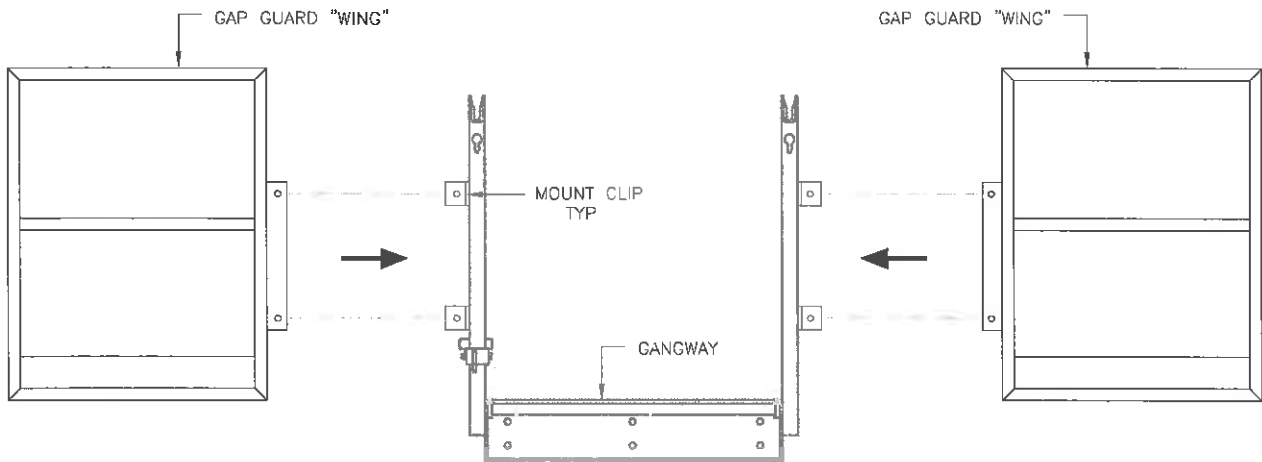
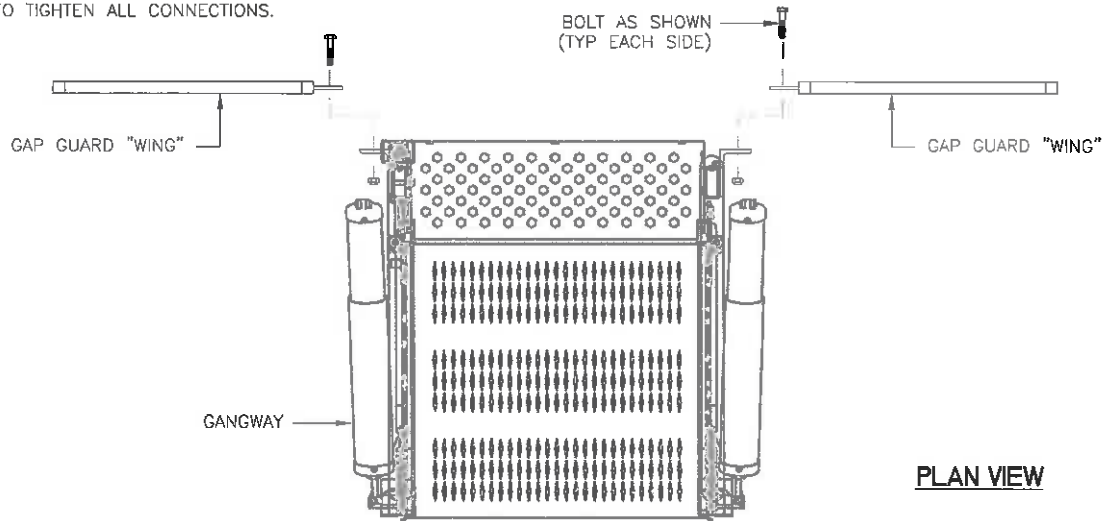
GANGWAY "WING" - OPTION

IN LIEU OF SWING GATES

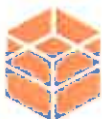
(ONLY USED ON SHORT TRACK SECTIONS)

INSTALLATION:

- 1) GAP GUARD "WING" SHOULD BE BOLTED ON EACH SIDE OF GANGWAY BASETREAD UPRIGHT AS SHOWN BELOW. WINGS ARE TYPICALLY THE SAME STYLE AND SHOULD MOUNT TO EITHER SIDE OF GANGWAY.
- 2) ALIGN "WING" MOUNT PLATE WITH GANGWAY MOUNT CLIP AND BOLT WITH $\frac{1}{2}$ " x $1\frac{1}{2}$ " BOLTS.
- 3) REPEAT STEP 2 FOR EACH SIDE OF GANGWAY.
- 4) BE SURE TO TIGHTEN ALL CONNECTIONS.



OPTIONAL WING ROLLER ASSEMBLY
(ONLY USED ON LONG WING SECTIONS)



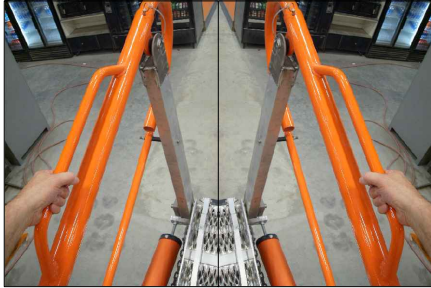
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GANGWAY "WING" - OPTION

OPERATING INSTRUCTIONS

TO SLIDE UNIT:

- 1) WHILE HOLDING BOTH HANDRAILS, SLIDE UNIT TO DESIRED POSITION.
- 2) OPEN APPROPRIATE SWING GATE.
- 3) RELEASE GANGWAY LOCKING MECHANISM AT BASE OF UPRIGHT.



WARNING (OPERATIONAL HAZARDS)

BEFORE SLIDING GANGWAY:

VERIFY STOP CLIPS ARE IN EACH END OF TRACK.

BEFORE OPENING SWING GATE:

VERIFY GANGWAY IS POSITIONED IN FRONT OF OPENING.

WHEN RELEASING FOOTLOCK:

KEEP HANDS AWAY FROM PIVOTING PARTS

WHEN SLIDING GANGWAY:

KEEP HANDS AWAY FROM SWING GATE SUPPORTS.

WARNING: This product can expose you to chemicals including cadmium, which is known to the State of California to cause cancer, and/or birth defect or other reproductive harm.

For more information go to www.P65warnings.ca.gov

TROUBLE SHOOTING GUIDE

1) UNIT IS HARD TO SLIDE

- A) CHECK FOR OBSTRUCTIONS
- B) ROLLER IS LOOSE.
- C) DEBRIS IN TRACK AREA
- D) DAMAGE TO TRACK AND/OR GANGWAY
- E) VERIFY NO BUILDUP OF GALVANIZING AND/OR DEBRIS WITHIN TRACK AREA

2) UNIT BINDS WHEN MOVING

- A) DEBRIS IN TRACK.
- B) MISSING/LOOSE HARDWARE
- C) DAMAGE TO TRACK AND/OR GANGWAY
- D) VERIFY NO BUILDUP OF GALVANIZING AND/OR DEBRIS WITHIN TRACK AREA

3) UNIT IS HARD TO SLIDE AND/OR BINDS (MULTIPLE TRACK SECTIONS)

- A) CHECK SPLICE AREA TO VERIFY TRACK SECTIONS ARE ALIGNED AND PLUMB.
- B) VERIFY NO BUILDUP OF GALVANIZING AND/OR DEBRIS WITHIN TRACK AREA AROUND SPLICE JOINT.

4) SWING GATE DOES NOT CLOSE PROPERLY

- A) CHECK SPRING TENSION – ADJUSTMENT
- B) GATE DRAGGING ON PLATFORM SURFACE
- C) GATE POSTS ARE BENT OR MIS-ALIGNED

- INSTALLER'S NOTE -

PRIOR TO DE-MOBILIZING, PLEASE REVIEW THE FOLLOWING STEPS:

- 1) HAS TRACK BEEN INSPECTED FOR ANY GALVANIZING BUILD-UP AND/OR ANY OTHER TYPE OF OBSTRUCTION(S)?
- 2) DOES THE TRACK MOUNTED GANGWAY(S) ROLL SMOOTHLY IN A HORIZONTAL MANNER?
- 3) HAVE ANGLE STOPS BEEN INSTALLED AT THE END OF EACH TRACK?

CAREFUL CONSIDERATION OF THE ITEMS LISTED ABOVE WILL GREATLY IMPROVE THE PERFORMANCE OF THE TRACK MOUNTED GANGWAY(S).

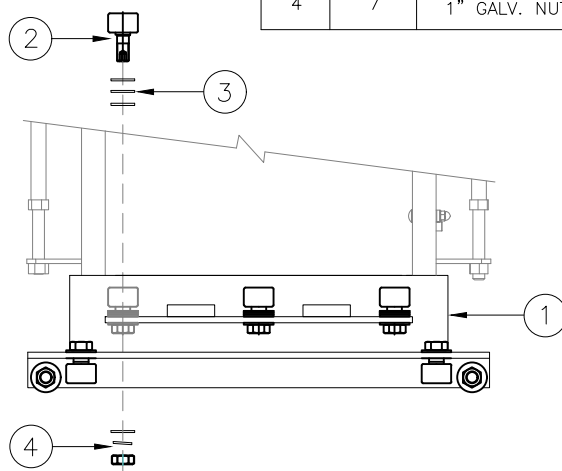
SCHEDULED MAINTENANCE

MONTHLY:

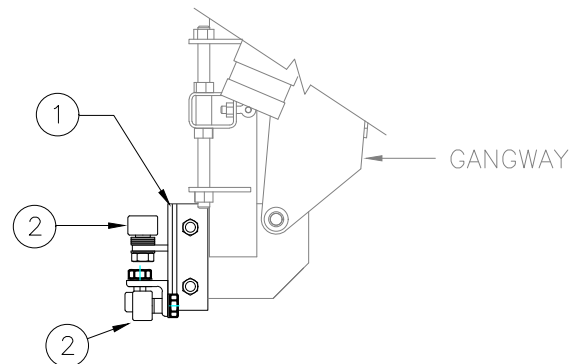
- 1) CHECK ALL BOLTED CONNECTIONS TO ENSURE THAT THEY ARE PROPERLY TIGHTENED. NOTE: S/S HARDWARE SHOULD RECEIVE ANTI-SEIZE BEFORE TIGHTENED TO PREVENT BINDING.
- 2) INSPECT GANGWAY FOR DAMAGE THAT MAY HAVE OCCURRED WHILE IN USE, THAT MAY EFFECT OPERATION.
- 3) INSPECT TRACK TO INSURE NO DEBRIS IS IN ROLLER AREAS WHICH MAY EFFECT OPERATION.
- 4) MOVE UNIT TO END OF TRACK AND VISUALLY INSPECT ROLLERS IN TRACK TO INSURE ALL ROLLER CONNECTIONS ARE TIGHT.

REPLACEMENT PARTS

ITEM	QTY PER UNIT	DESCRIPTION	PART #
1	1	TRACK CARRIAGE	SG-TRACK-1
2	7	TRACT ROLLER	SG-P2075
3	9	1" SPACER WASHER	SG-P1005-72
4	7	1" GALV. NUT, WASHER, LOCK WASHER	SG-P1001-61



BACK VIEW OF GANGWAY
CARRIAGE



END VIEW OF GANGWAY
CARRIAGE