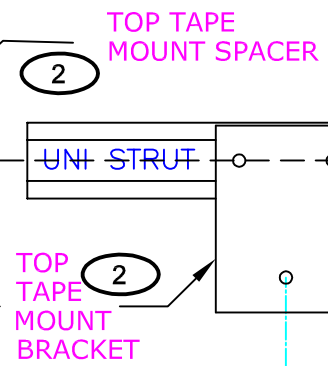


MOUNT CENTER OF UNISTRUT 8.0" ABOVE THE TOP OF THE CAR.  
 EXAMPLE: 80" CAR, MOUNT IT 88.0" ABOVE TOP LANDING LEVEL.

INSTALL TAPE ON THIS SIDE OF BRACKET



NOTE: TAPE LENGTH IS TRAVEL DISTANCE PLUS 4 ft.

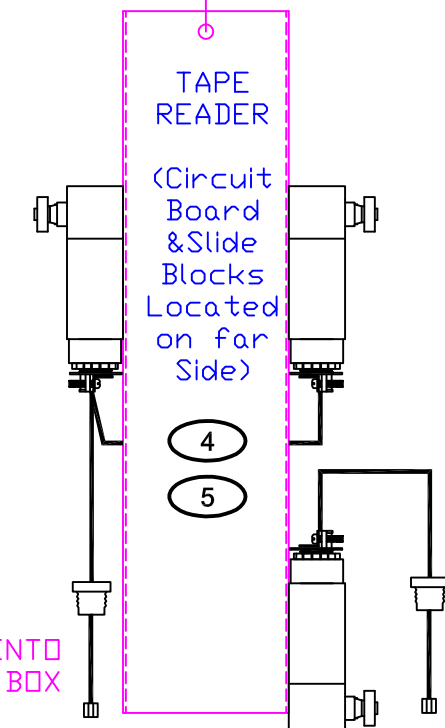
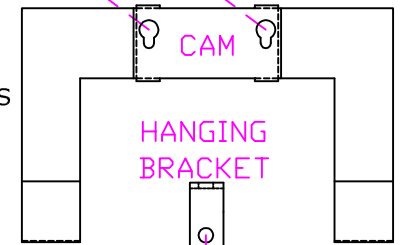
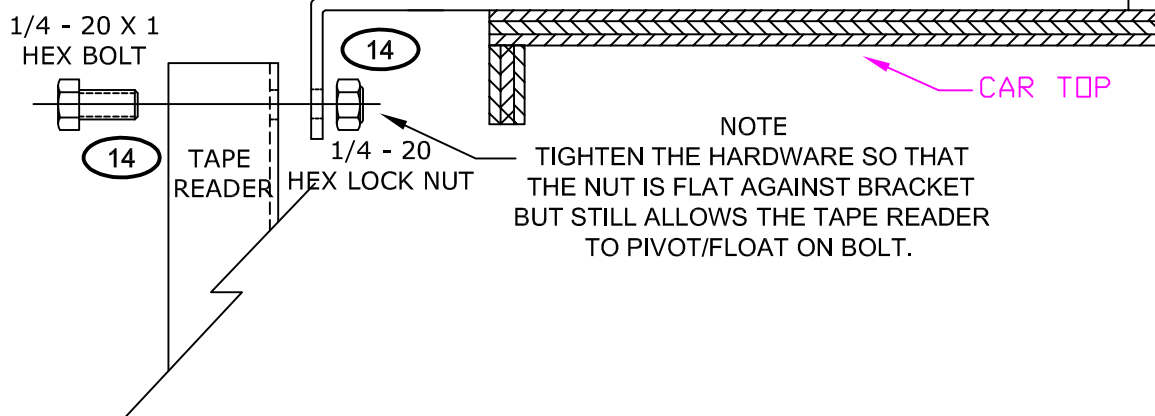
EXAMPLE:  
 144" TRAVEL INCHES  
 + 48" PLUS 4 FT.  
 192" TAPE LENGTH

ATTACH THE TAPE TO THE TAPE MOUNT BRACKET WITH THE BOLT, WASHER & LOCK NUT PROVIDED. TIGHTEN THE HARDWARE SO THAT THE NUT IS FLAT AGAINST BRACKET WHILE THE TAPE IS STILL ABLE TO PIVOT ON BOLT.

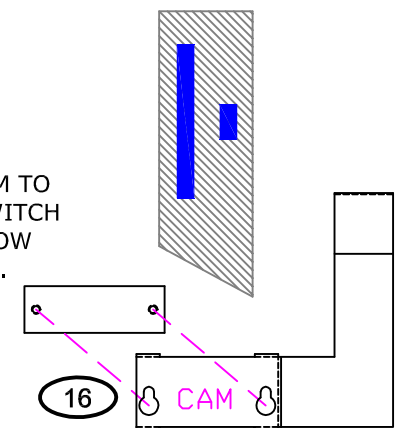
LOCATE AND FASTEN HANGING BRACKET TO CAR TOP AFTER TAPE IS INSTALLED.  
 USE #14 X 3/4" TYPE A SCREWS  
 PRE DRILL HOLES WITH 3/32" DRILL BIT 1/2" DP

TAPE READER  
 HANGING BRACKET

LOCATE UPPER FINAL CAM TO ACTUATE UPPER LIMIT SWITCHES WHEN CAR IS 2"-3" ABOVE TOP FLOOR LEVEL.

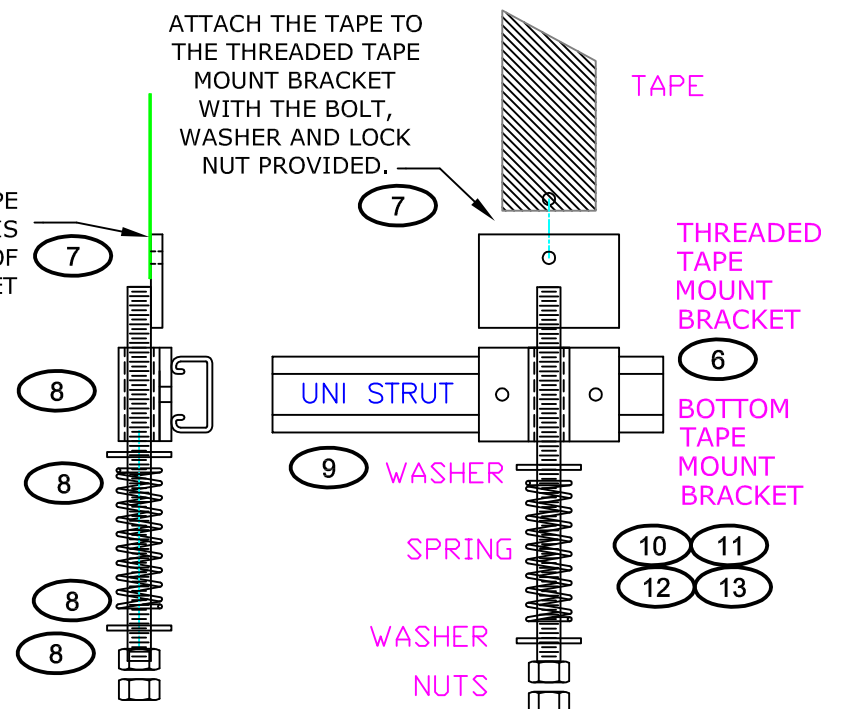


LOCATE LOWER FINAL CAM TO ACTUATE LOWER LIMIT SWITCH WHEN CAR IS 2"-3" BELOW BOTTOM FLOOR LEVEL.



ATTACH THE TAPE TO THE THREADED TAPE MOUNT BRACKET WITH THE BOLT, WASHER AND LOCK NUT PROVIDED.

INSTALL TAPE ON THIS SIDE OF BRACKET



- 1 Make a mark on the hoistway wall 8 inches above the top of car at the top landing. Attach the center of the strut to the hoistway wall on this mark using three 3 inch screws/fender washers. Insure that at least 2 of the screws/fender washer are driven into a stud or wooden support.
- 2 Insert 2 strut nuts into the strut. Using the 1/4-20 x 1-1/4 inch bolts and the washers, fasten the Top Tape Mount Bracket and Spacer to the strut. Insure that the Spacer is inserted between the bracket and the strut.
- 3 Place the steel tape on the side of the Top Tape Mount Bracket facing the car. Fasten the tape to the bracket using 1/4-20 x 3/4 inch bolt, washer, & lock nut. Tighten the hardware so that the nut is flat against bracket while the tape is still able to pivot on bolt.
- 4 Slide the Tape Reader onto the bottom of the steel tape. The tape reader mounting hole will be at the top with the tape reader printed circuit board facing away from the car.
- 5 Move the tape reader well above the bottom of the steel tape. Ideally, move the tape reader up to a position above where the top of the car will be when the car is installed. Place a clamp on the tape directly below the tape reader so that the tape reader is stationary.
- 6 Insert 2 strut nuts into the bottom strut. Using the 1/4-20 x 1-1/4 inch bolts and the washers, fasten the Bottom Tape Mount Bracket to the strut. At this point the bottom strut is not yet attached to the wall.
- 7 Place the steel tape on the side of the Threaded Tape Mount Bracket with the welds facing the car. Fasten the tape to the bracket using 1/4-20 x 3/4 inch bolt, washer, & lock nut.
- 8 Insert the Threaded Tape Mount Bracket through the Bottom Tape Mount Bracket. Add a washer, compression spring, a 2nd washer, and one nut to the threaded rod.
- 9 With the bottom bracket/strut suspended from the tape, position the strut against the wall, leveled. Draw a line along the bottom edge of the strut.
- 10 Disassemble the threaded bracket from the wall bracket/strut.
- 11 Install the bottom wall bracket/strut using the line drawn on the wall. Insure that at least 2 sets of the screw & fender washer are driven into a stud or wooden support.
- 12 Reassemble the bottom threaded mount and wall bracket/strut. Readjust the Bottom Tape Mount Bracket so that the tape is plum with car rail system.
- 13 Tighten the nuts thus making the tape taught. Insure that the tape is sufficiently taught to allow for activation of the final limit switches after the tape reader is installed.
- 14 When the car is installed, remove the clamp from tape and attach tape reader to hanging bracket using 1/4-20 x 1 inch bolt, washers, & lock nut. Tighten the hardware so that the nut is flat against bracket while the tape reader is still able to pivot on bolt.
- 15 Mount the hanging bracket on top of the car to a position that will not bind the tape reader on the tape.
- 16 Attach the upper and lower final cams to the steel tape approximately two to three inches above/below the tape reader when car is level at the top/bottom landing.

MATERIAL SPEC.		PART NUMBER	
NONE			
DIMENSIONS ARE IN INCHES, FRACTIONAL TOLERANCES $\pm 1/32"$ , DECIMAL TOLERANCES $\pm 0.02"$ , ANGULAR TOLERANCES $\pm 1^\circ$ , UNLESS OTHERWISE NOTED.			DWG. DATE 05/17/2016
 HARRISBURG, PA		DRAWING TITLE TAPE READER SYSTEM GEN III INSTALLATION DRAWING	DRAWING NO. 80211227
DRAWN EJC	CHECKED	DESIGNED FMH	APPROVED INITIAL ECN 874
			DWG. SCALE NONE
			REV. LEVEL A

A	05/17/16	B74	INITIAL RELEASE	EJC
REV	DATE	ECN	DESCRIPTION OF CHANGE	BY