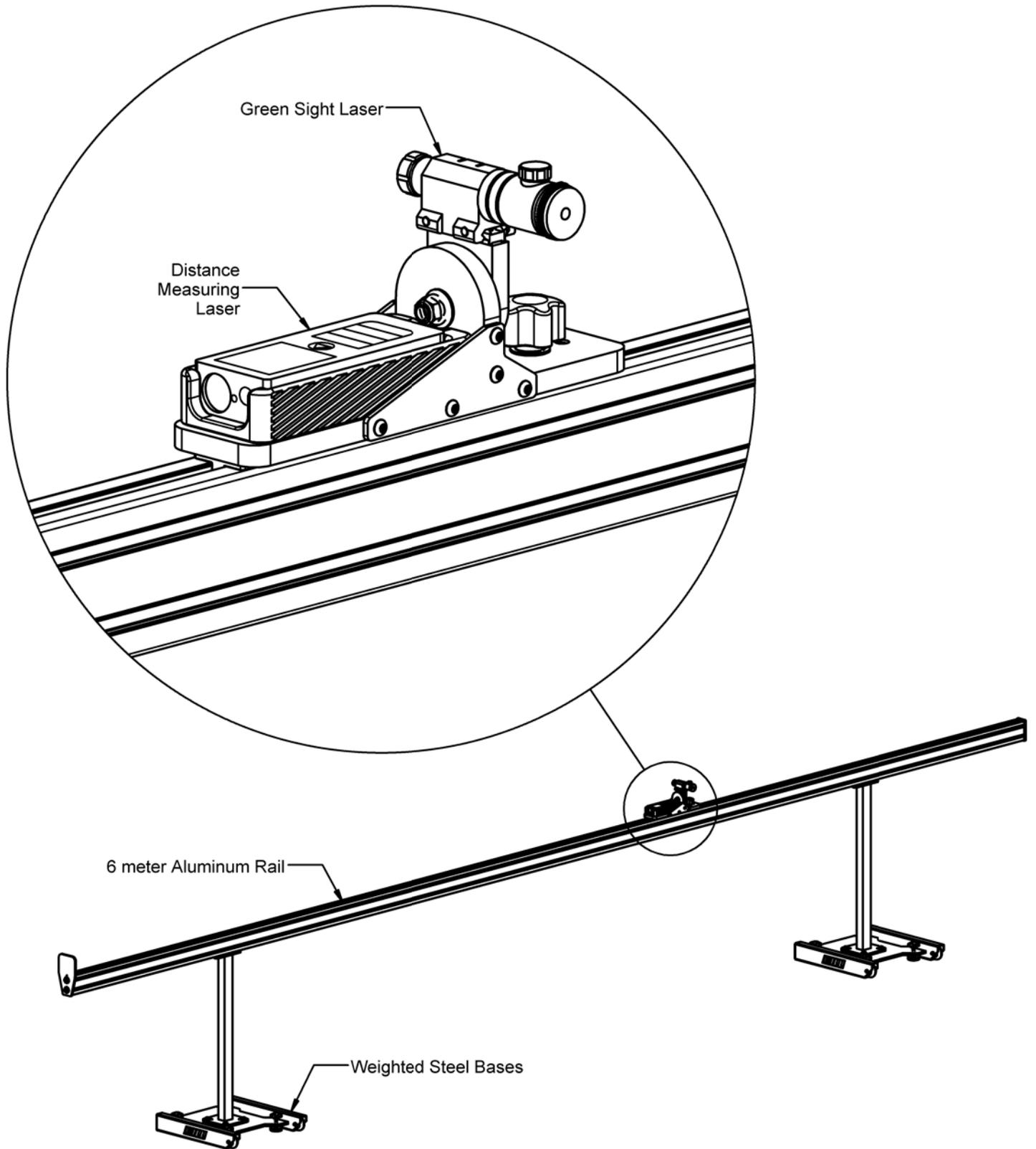




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E73740 - LJ TJ LASER MEASURING DEVICE INSTRUCTIONS





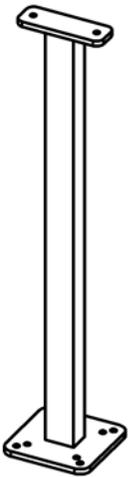
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E73740 - LJ TJ LASER MEASURING DEVICE INSTRUCTIONS CONTENTS

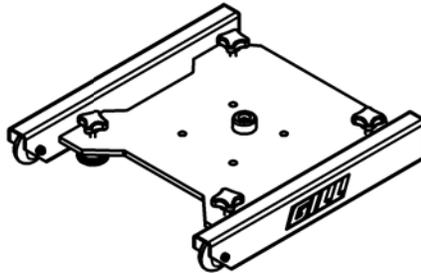
E737402 - Rail (1)



E73740101 - Leg (2)



BASE00135 - Base (2)



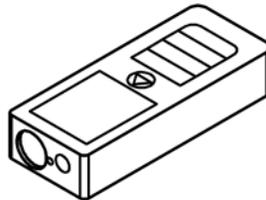
E73740401 - Target End Plate (1)



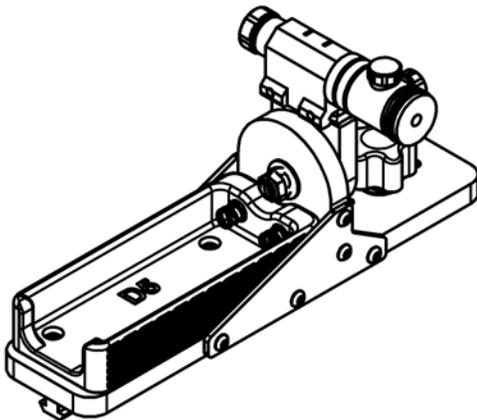
E73740402 - End Plate (1)



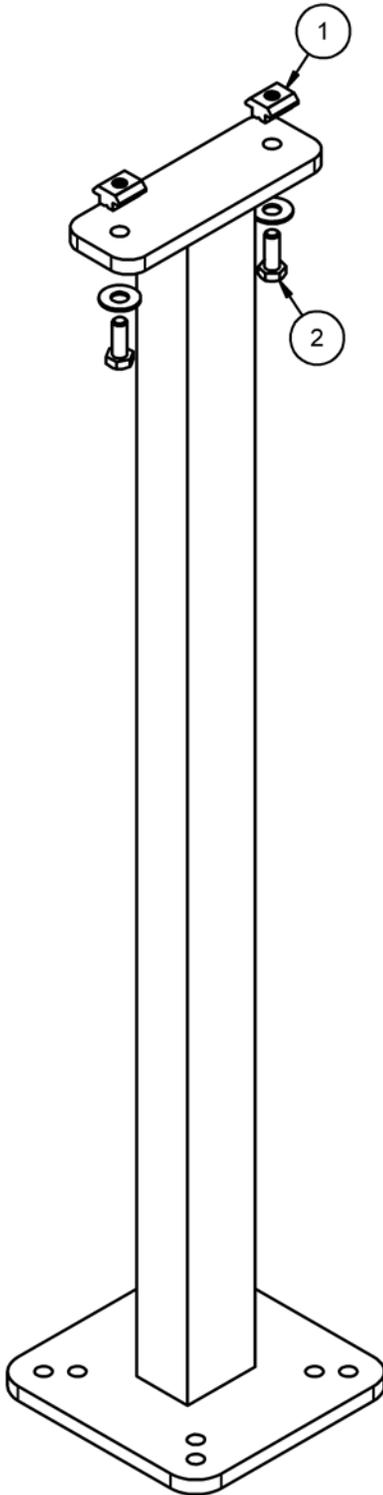
E73710 - Measuring Laser (1)



E737403 - Laser Carriage (1)



	PART #	DESCRIPTION	QTY.
1	HDWE061090E0	BUTTON HEAD CAP SCREW; 1/2"-13 X 1-1/2"; HEX DRIVE; ZINC	4
2	HDWE03112	T-SLOT NUT; M8 (TSN10M8)	4
3	HDWE01318	HEX HEAD CAP SCREW; M8 X 1.25MM; 22MM LONG	4

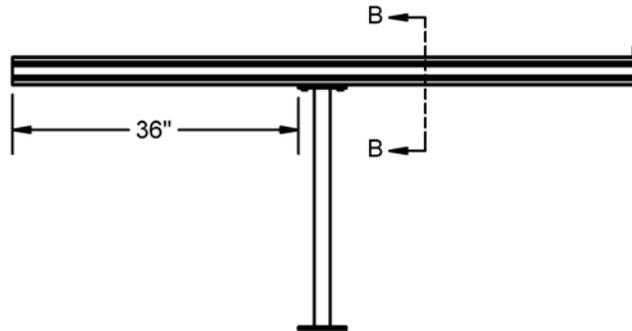


	PART #	DESCRIPTION	QTY
1	HDWE03112	T-SLOT NUT; M8 (TSN10M8)	4
2	HDWE01318	HEX HEAD CAP SCREW; M8 X 1.25MM; 22MM LONG	4

Start the bolts into the T-Slot nuts. Leave them loose.

Slide the T-Slot nuts into the T-Slot on the narrow side of the rail.

Set the legs about 36" from the end. Then tighten down the bolts.

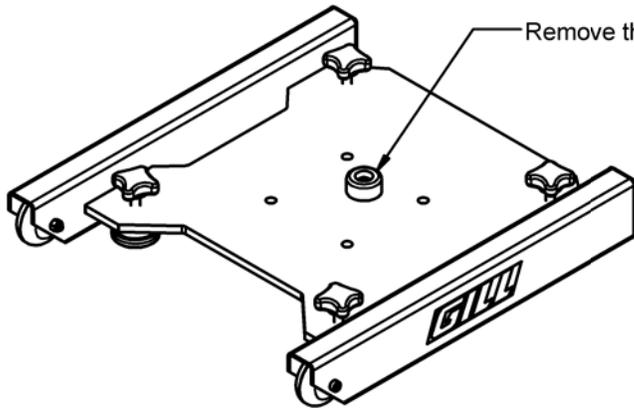


SECTION B-B



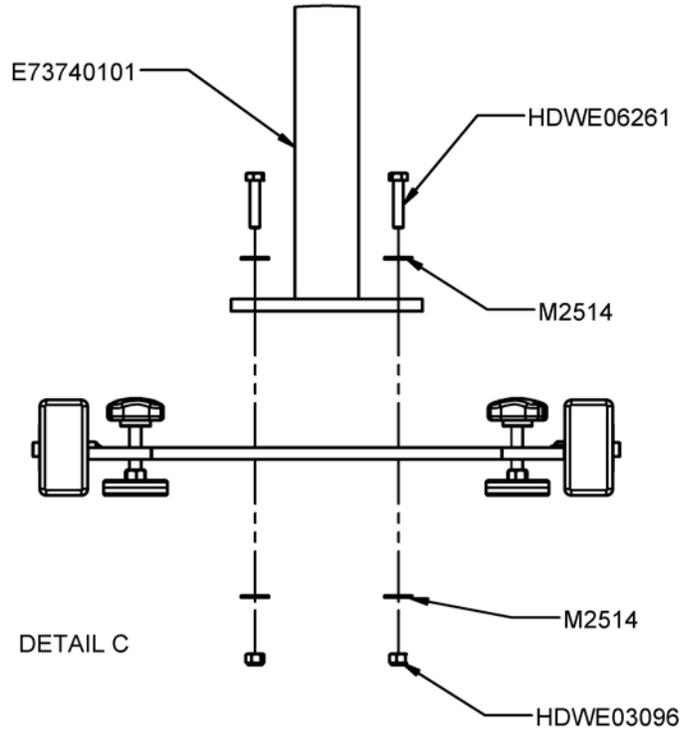
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E73740 - LJ TJ LASER MEASURING DEVICE INSTRUCTIONS



Remove the bumper from the bases.

Bolt the bases to the bottom of the legs.

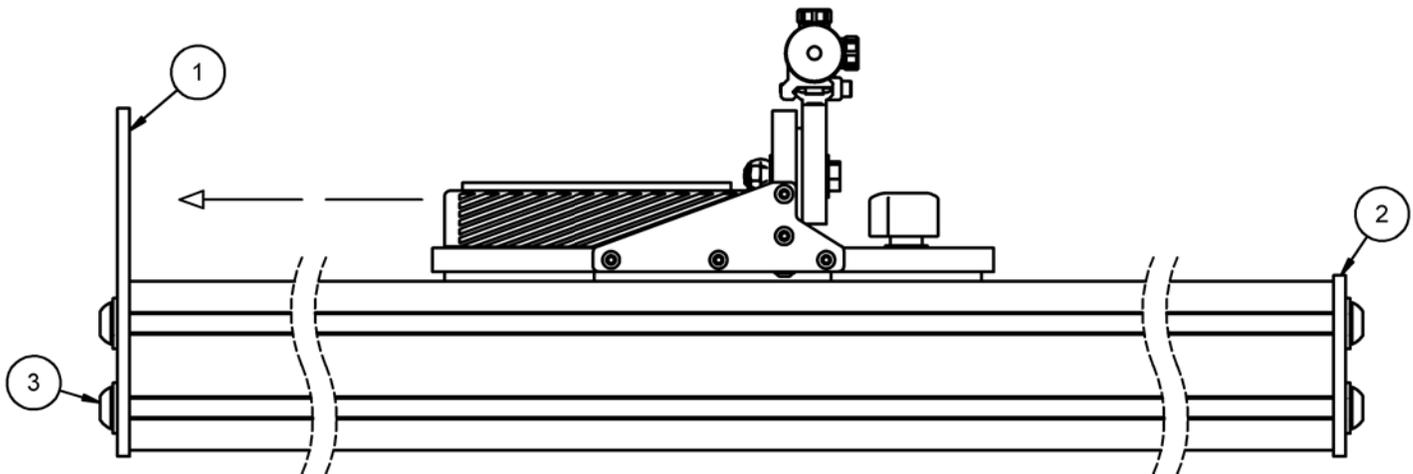
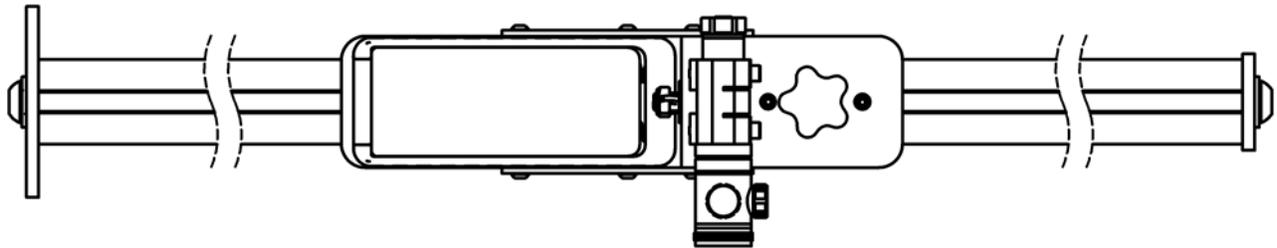


Put batteries in the measuring laser. Insert the measuring laser into the carriage.

Slide the laser carriage into the T-Slot on the top of the rail. Loosen the clamping knob if necessary.

Bolt the target plate onto the end of the rail. Make sure the measuring laser is pointing at the target plate.

Bolt the end plate to the opposite end of the rail.



	PART #	DESCRIPTION	QTY
1	E73740401	TARGET END PLATE	1
2	E73740402	END PLATE	1
3	HDWE061090E0	BUTTON HEAD CAP SCREW; 1/2"-13 X 1-1/2"; HEX DRIVE; ZINC	4

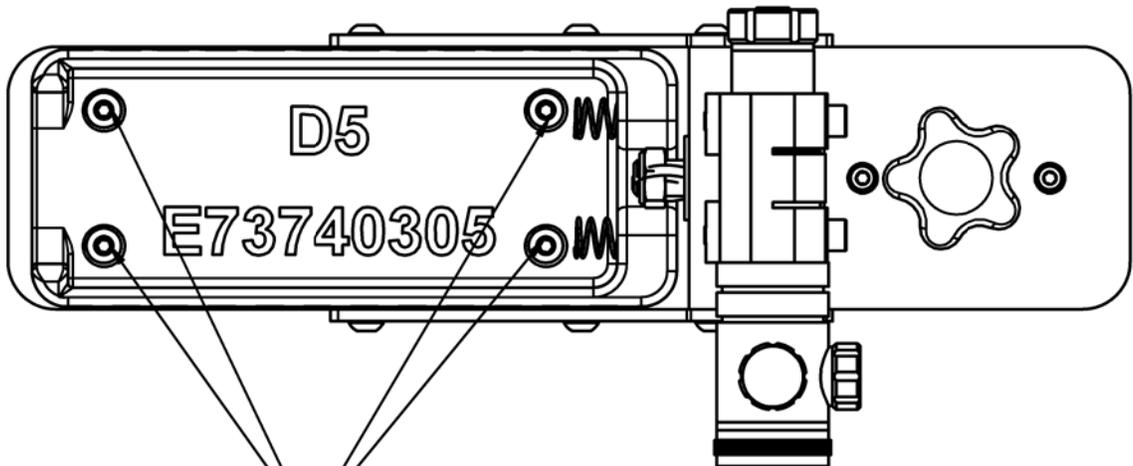
Slide the laser carriage to the end of the rail opposite the target plate.

Turn on the measuring laser and take a measurement. Make sure the RED laser dot is hitting the target plate.

If it is not, remove the measuring laser from the saddle. Then slightly loosen the four screws that hold saddle in place.

Put the measuring laser back in the saddle. Nudge the saddle until the RED laser hits the target plate.
(Ideally the RED dot should be slightly to the left of the center of the plate)

Carefully remove the laser and tighten up the four screws. Check the laser again.



If you need to adjust the measuring laser
left-to-right, loosen these four screws.



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E73740 - LJ TJ LASER MEASURING DEVICE INSTRUCTIONS

Set up the unit next to the sand pit.

Make sure the target plate is towards the runway.

Make sure that the rail is parallel with the the sand pit.

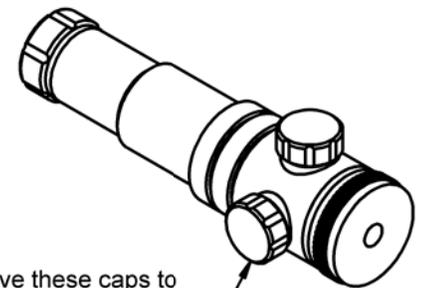
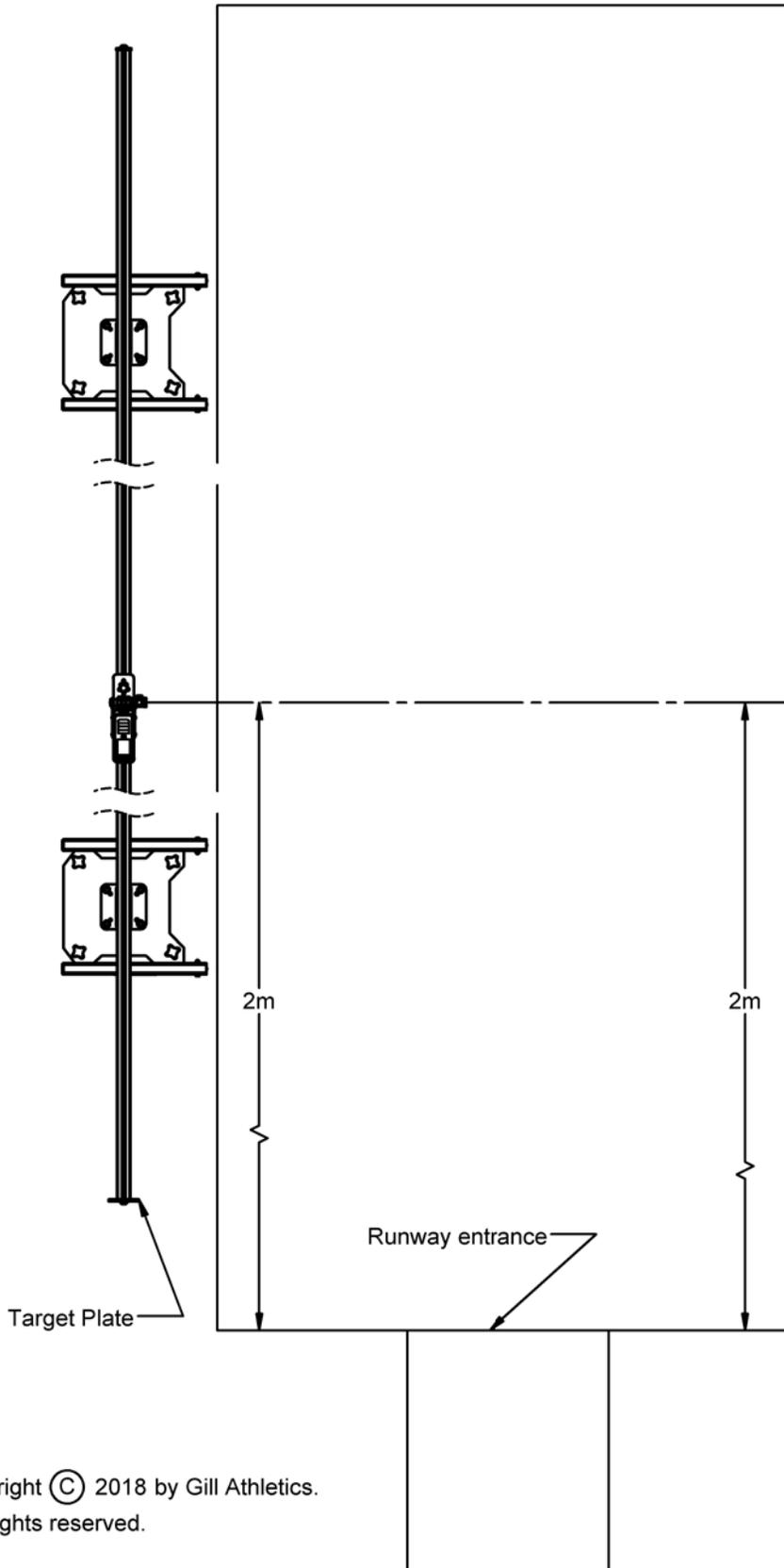
The green laser may need to be calibrated.

Use a tape measure to make a mark on the left side of the sand pit. Make another mark on the right side at the same distance.

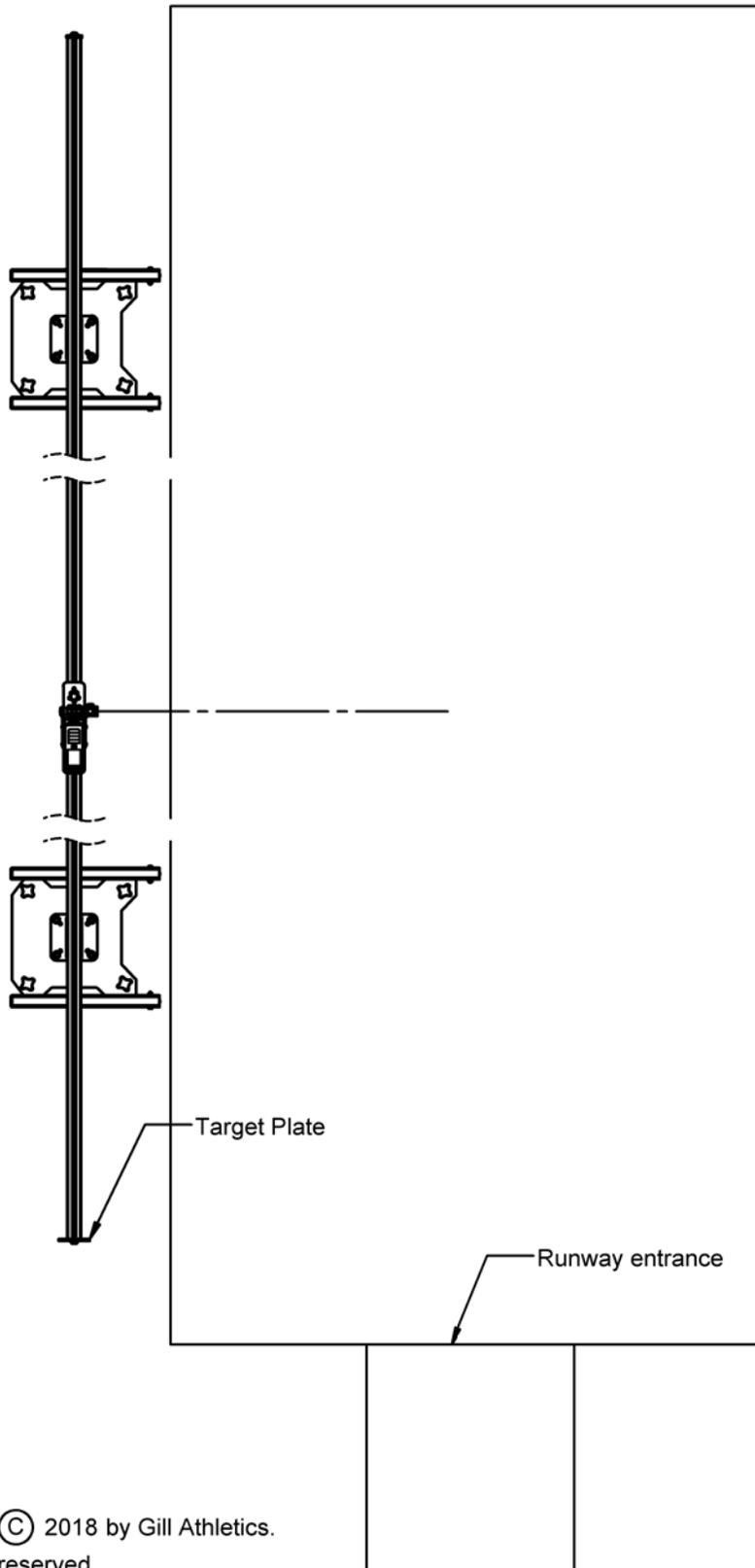
Slide the carriage so that the green laser hits the mark on the need side. Rotate the green laser up so that it hits the far side of the sand pit.

If the laser hits the other mark, no adjustments are needed.

If the laser doesn't hit the other mark, you should adjust the green laser using the set screws on the green laser.



Remove these caps to access the adjustment set screws



Calibrating the Measuring Laser

Make a mark in the sand and measure it with a steel tape measure as if it was a jump. Write down the measurement.

Now measure the same mark with the laser (make sure the laser does NOT currently have an offset programmed). Write down the measurement.

Subtract the laser measurement from the tape measurement. This is the offset that will need to be programmed into the measuring laser.

Make a few other marks in the sand and compare the laser measurement with the tape measurement.

The laser will need to be recalibrated any time the rail is moved or a different take off board is being used.