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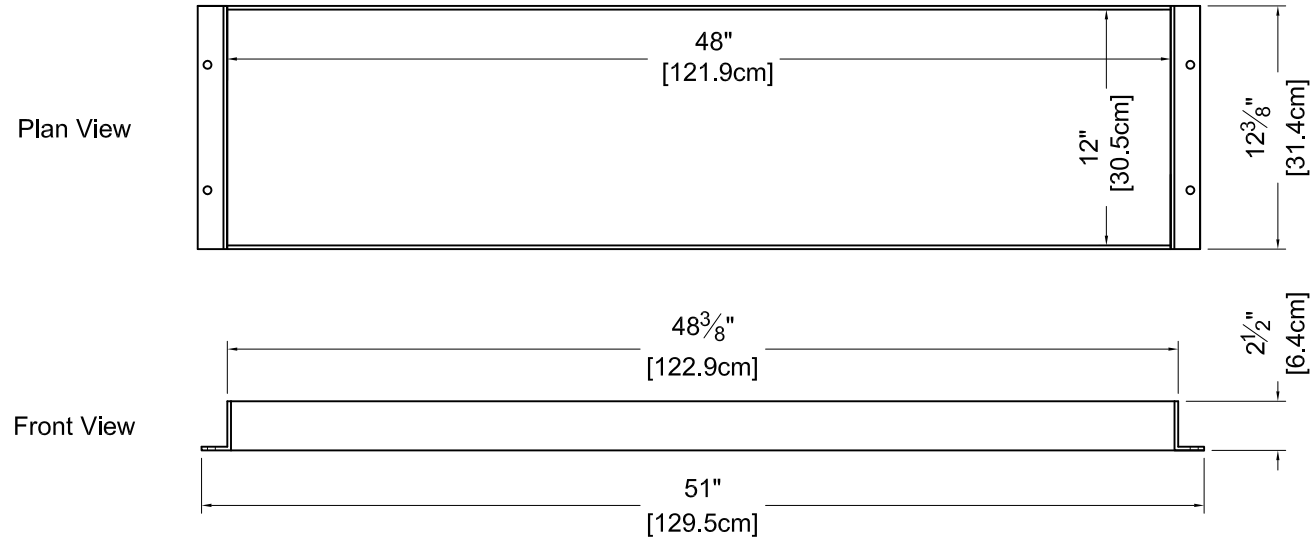
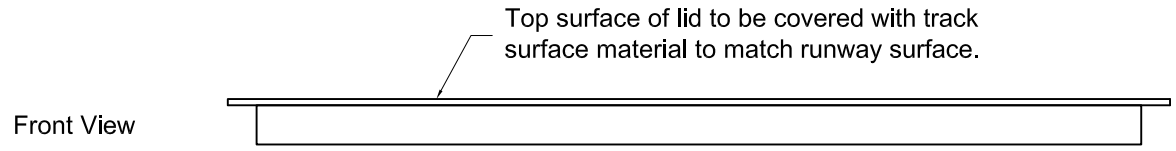
# 4350 - ADJUSTABLE TAKE-OFF BOARD SYSTEMS SPECIFICATIONS

The 4350 Adjustable Take-off Board System consists of an aluminum tray assembly with a blanking lid, a folded aluminum leveling board, and separate replaceable take-off and foul boards. The tray is fabricated from 3/16" thick 3003 aluminum sheet and angle which is securely welded together. The lid is fabricated from a 5/16" thick 6061-T6 aluminum sheet top and 1/4" thick supports. The tray is designed to be incorporated into runways and holds the take-off and foul boards flush with the runway surface.

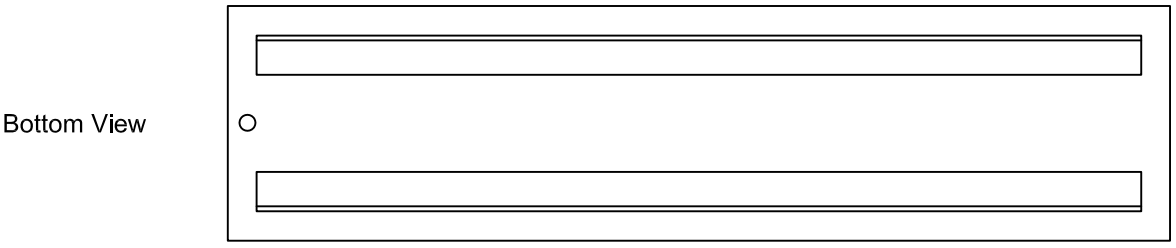
When the take-off position is not in use, the blanking lid replaces the boards. With the appropriate runway surface mounted to it, the lid will fill the tray flush with the runway. The leveling board is fitted with six adjustable feet and two lateral constraint adjustments to eliminate any motion in the tray and ensure a flush fit for the takeoff and foul boards. Take-off and foul boards are fabricated from MDO plywood, sealed and painted with outdoor enamel coating. Synthtic take-off boards are recycled plastic lumber.

**Take-Off Board Tray**




**Tray Lid**
(not included in the 4360)

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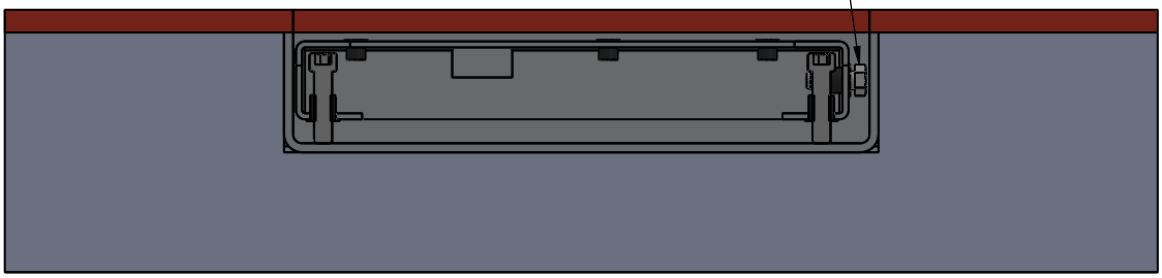
# 4350 - ADJUSTABLE TAKE-OFF BOARD SYSTEMS
# TAKE-OFF & FOUL BOARD INSTALLATION

The take-off board and foul board can be removed or replaced using the 1/4"-20 x 1-1/2" Flat Head Phillips Screws (M2257)

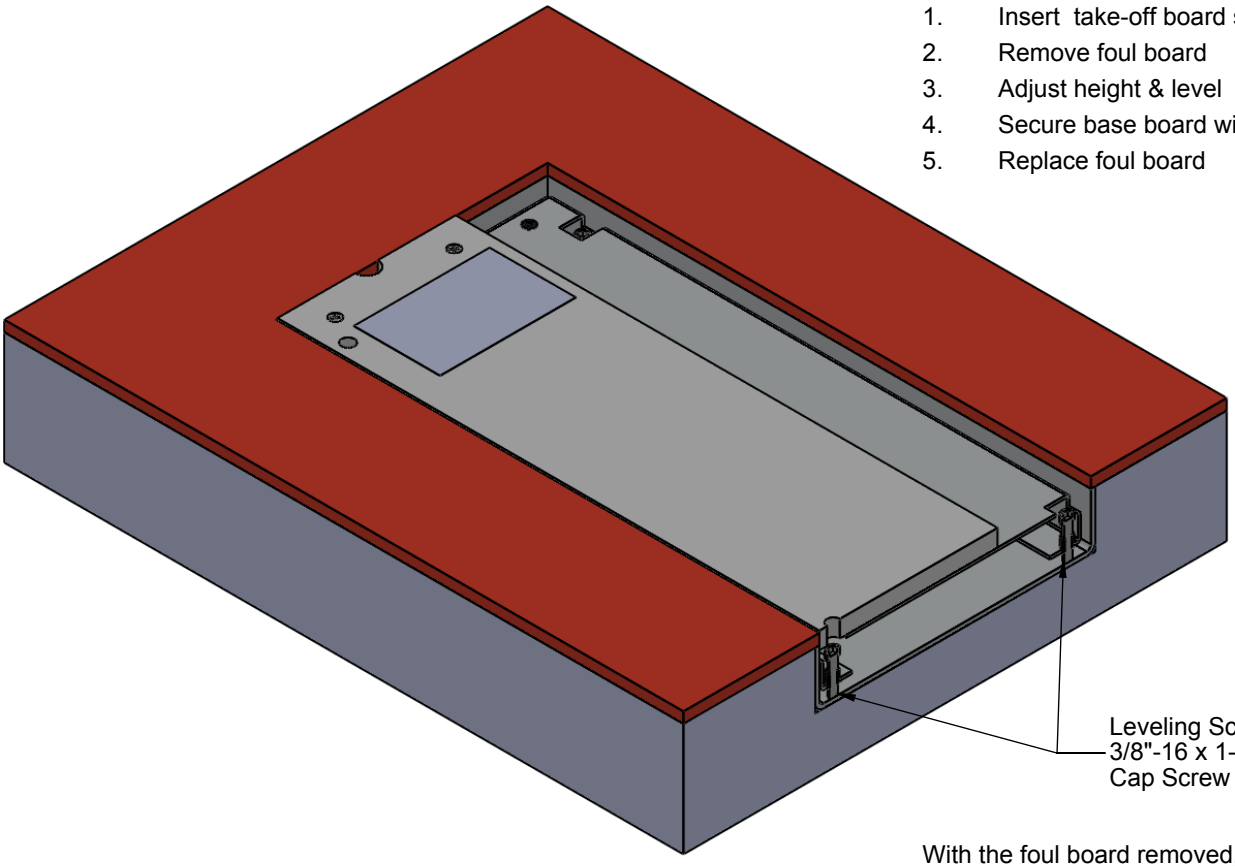
**Foul Board:**
NCAA wood (P435006)
IAAF wood (P435106)

**Take-Off Board:**
Wood (P435004)
Synthetic (P435005)

Use the 3/8"-16 Hex Bolts (M2257) on the front of the base board to clamp it tightly in place.



1. Insert take-off board system into tray
2. Remove foul board
3. Adjust height & level
4. Secure base board with clamping bolts
5. Replace foul board



Leveling Screws (M2530)
3/8"-16 x 1-1/2" Socket Head Cap Screw

With the foul board removed, you can adjust the height and level of the take-off board without removing the base board from the tray.



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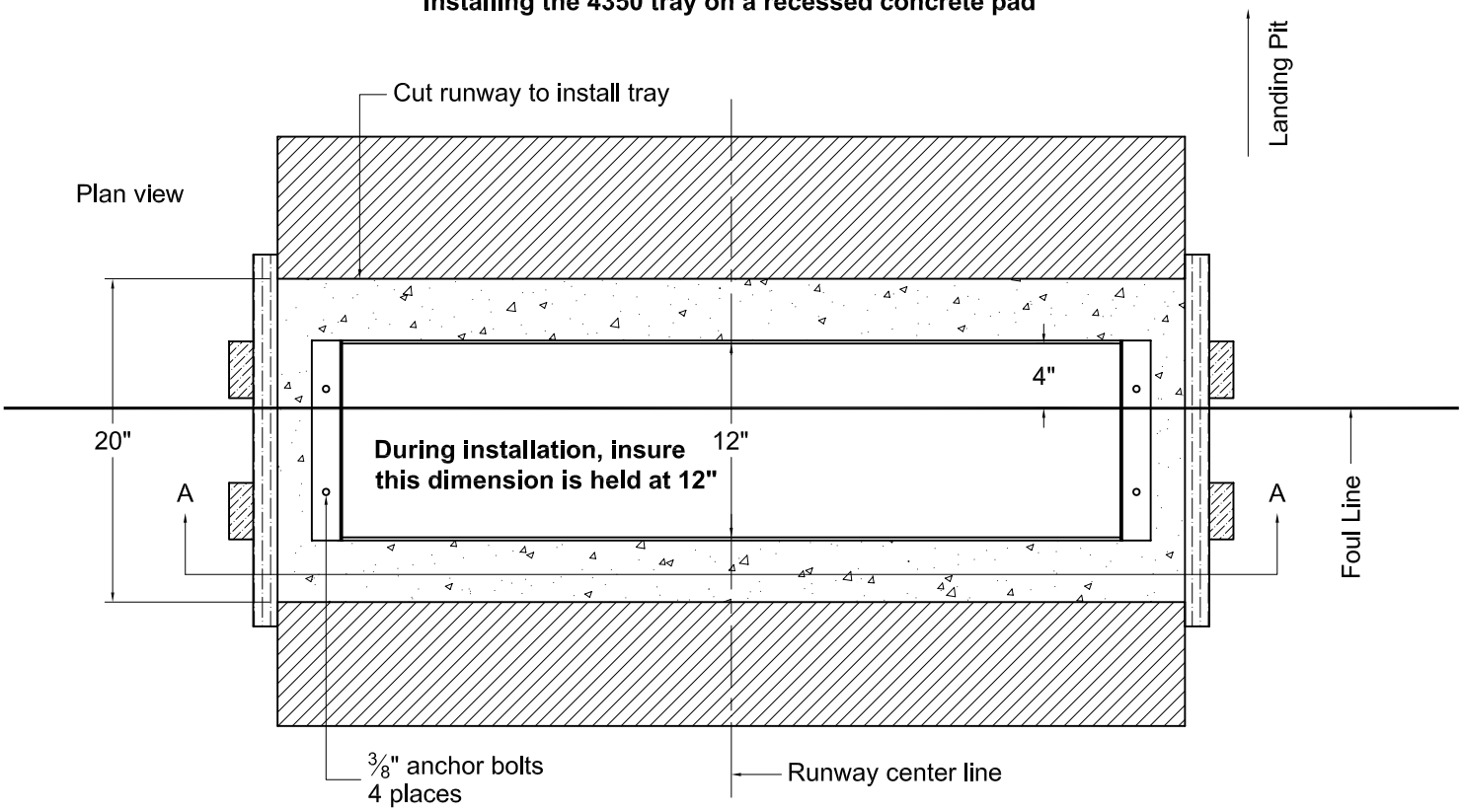
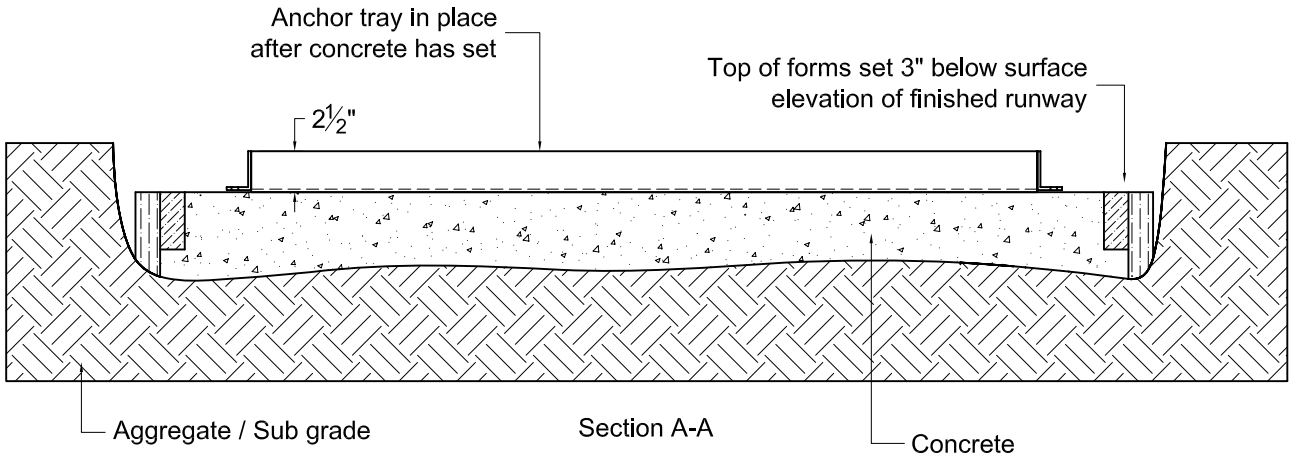
# 4350 - ADJUSTABLE TAKE-OFF BOARD SYSTEMS
# ALUMINUM TRAY INSTALLATION

**Installing the 4350 tray on a recessed concrete pad**




When positioning tray on base concrete, insure tray sits flat and does not warp when anchored in place. The tray lid should not rock if tray is properly installed. When finishing runway subsurface around the sides of the tray, insure the procedure does not deform the tray sides inward. The width of the tray must remain 12" or the lids will not fit with the proper clearance.

NOTE: The surface elevation of the finished runway includes the actual thickness of the artificial runway surface to be applied to the concrete or asphalt runway.




**NOTICE:** All installations should be done by experienced contractors and in accord with all applicable codes, laws and regulations. Suggested installation instructions herein are illustrative only and should be adapted to suit local requirements. Gill Athletics is not responsible for the manner in which these products are installed.

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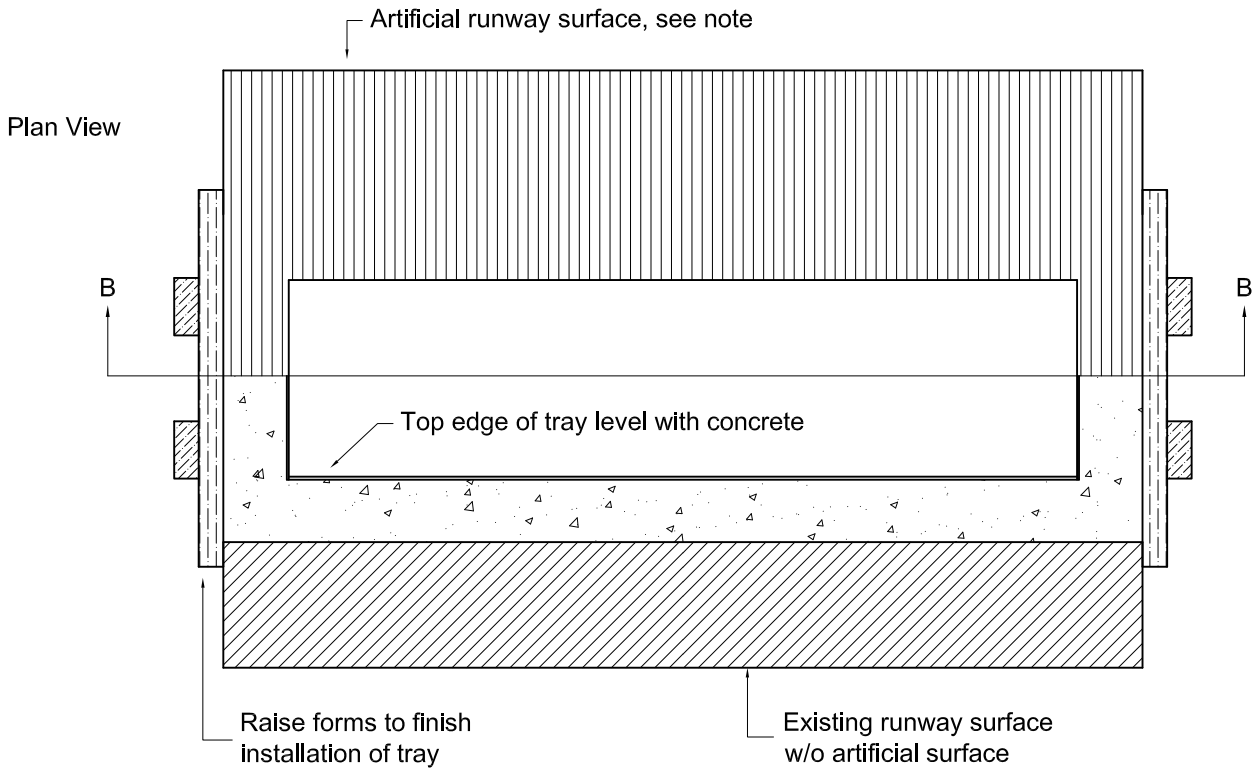
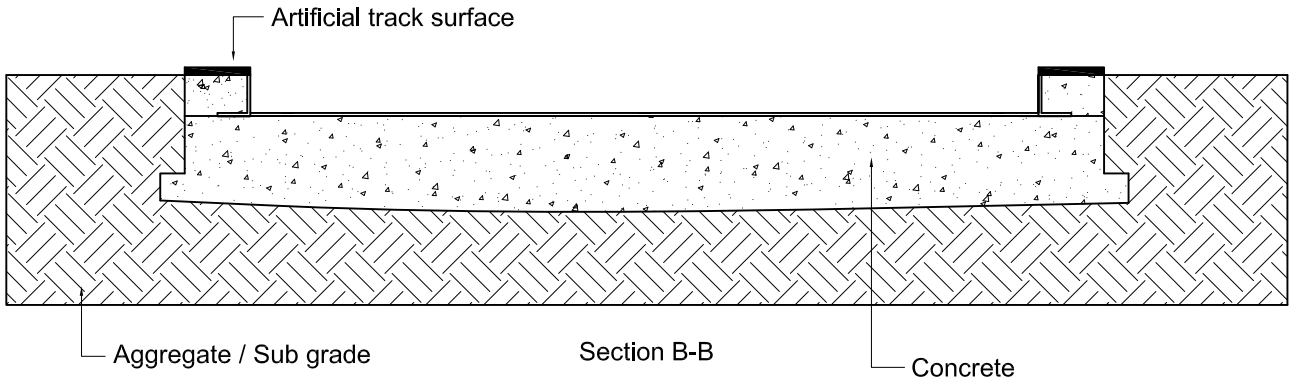
# 4350 - ADJUSTABLE TAKE-OFF BOARD SYSTEMS
# ALUMINUM TRAY INSTALLATION

**Finishing installation**




NOTE:

1. Artificial runway surface should be trimmed even with the inside edge of the tray.
2. If tray is installed in an asphalt runway without an artificial surface, the top edge of the tray should be 1/2" below the asphalt runway.

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THIS WARNING IS GIVEN IN COMPLIANCE WITH CALIFORNIA'S PROPOSITION 65:
**WARNING**
This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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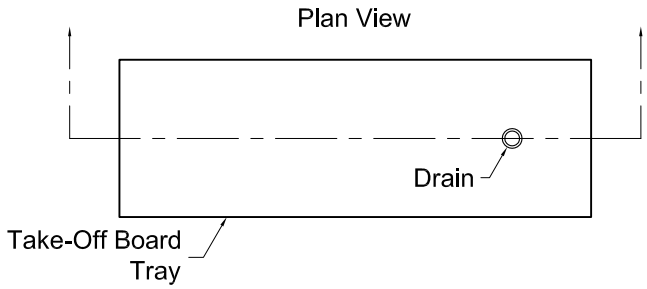
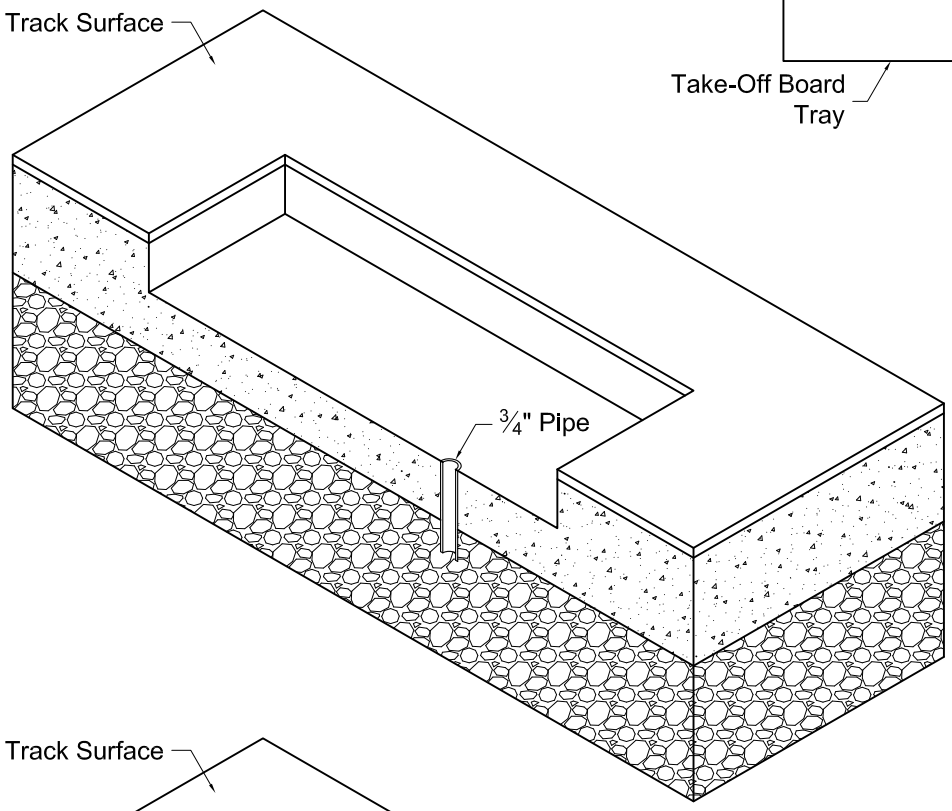
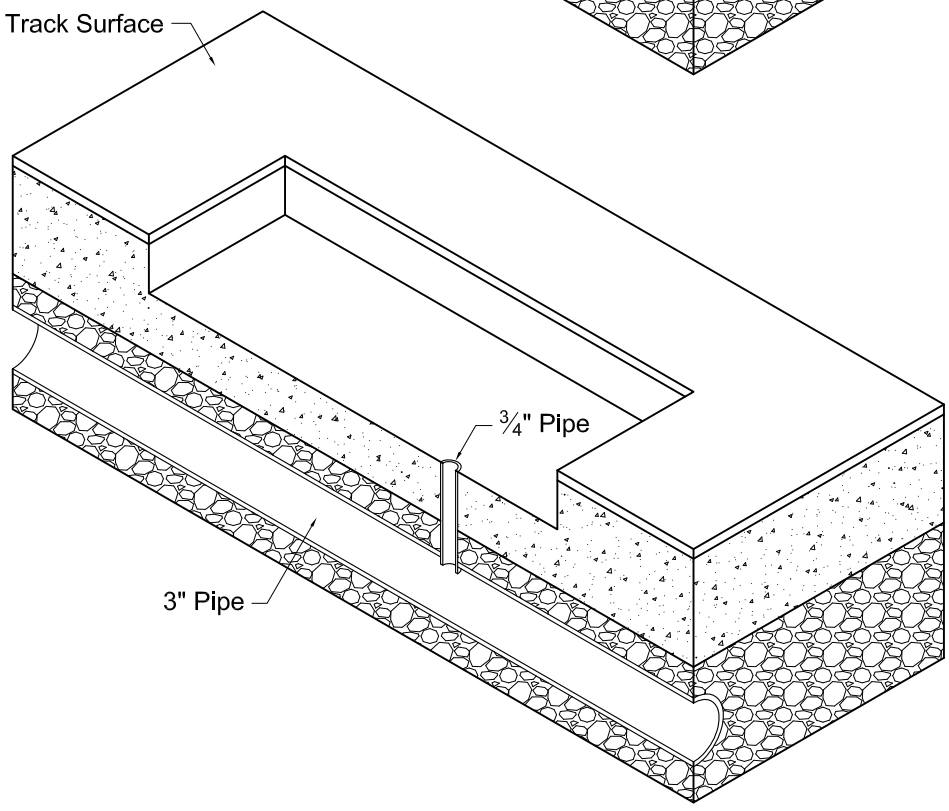
# LJ & TJ TAKE-OFF BOARD TRAYS
# DRAINAGE




There are basically two options for draining the take-off board tray; a dry well or an under ground drainage pipe.

Installing a dry well can be as simple as setting a ¾" Sch40 PVC pipe in the aggregate sub grade and pouring concrete around it up to the level of the bottom of the tray. Drill a hole in the bottom of the tray to line up with the PVC pipe. Install the tray and complete the second concrete pour. If need be, trim the PVC pipe to be flush with the bottom of the tray.

Dry wells are best suited for dry climates. In wetter areas a dry well may actually pull ground water up into the tray.

The other method is to use an under ground drainage pipe to take the water away. A small pipe would lead from the bottom of the tray to a larger under ground pipe. This pipe would be connected to a storm water system.

If the tray is set at a slight inclination, position the drain at the low end.

The pipe sizes listed here are just suggestions. Other pipe sizes will work. The pipe sizes (and number of drains) will determine how fast the tray drains. Also smaller pipes will become clogged with debris quicker.

With any drain system, maintenance must be performed to keep the drains free of debris.

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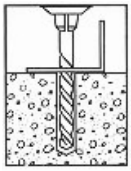
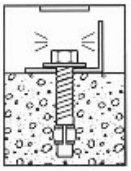
# *Trubolt Wedge Anchor*

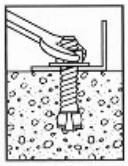
## INSTALLATION INSTRUCTIONS



**1.** Using a bit whose diameter equals the anchor diameter, drill hole to any depth exceeding the minimum embedment. Clean hole.



**2.** Assemble anchor with nut and washer so that the top of the nut is flush with the top of the anchor. Drive anchor through material to be fastened so that nut and washer are flush with surface material.



**3.** Expand anchor by tightening nut 3 to 5 turns, or to the specific torque requirement (see selection chart).