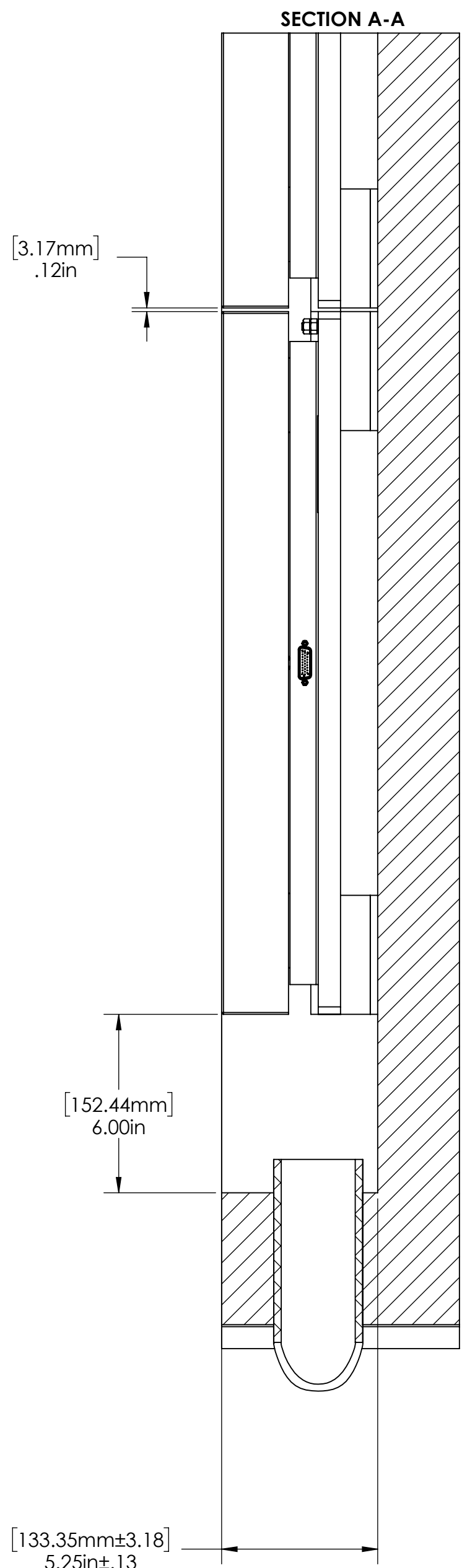
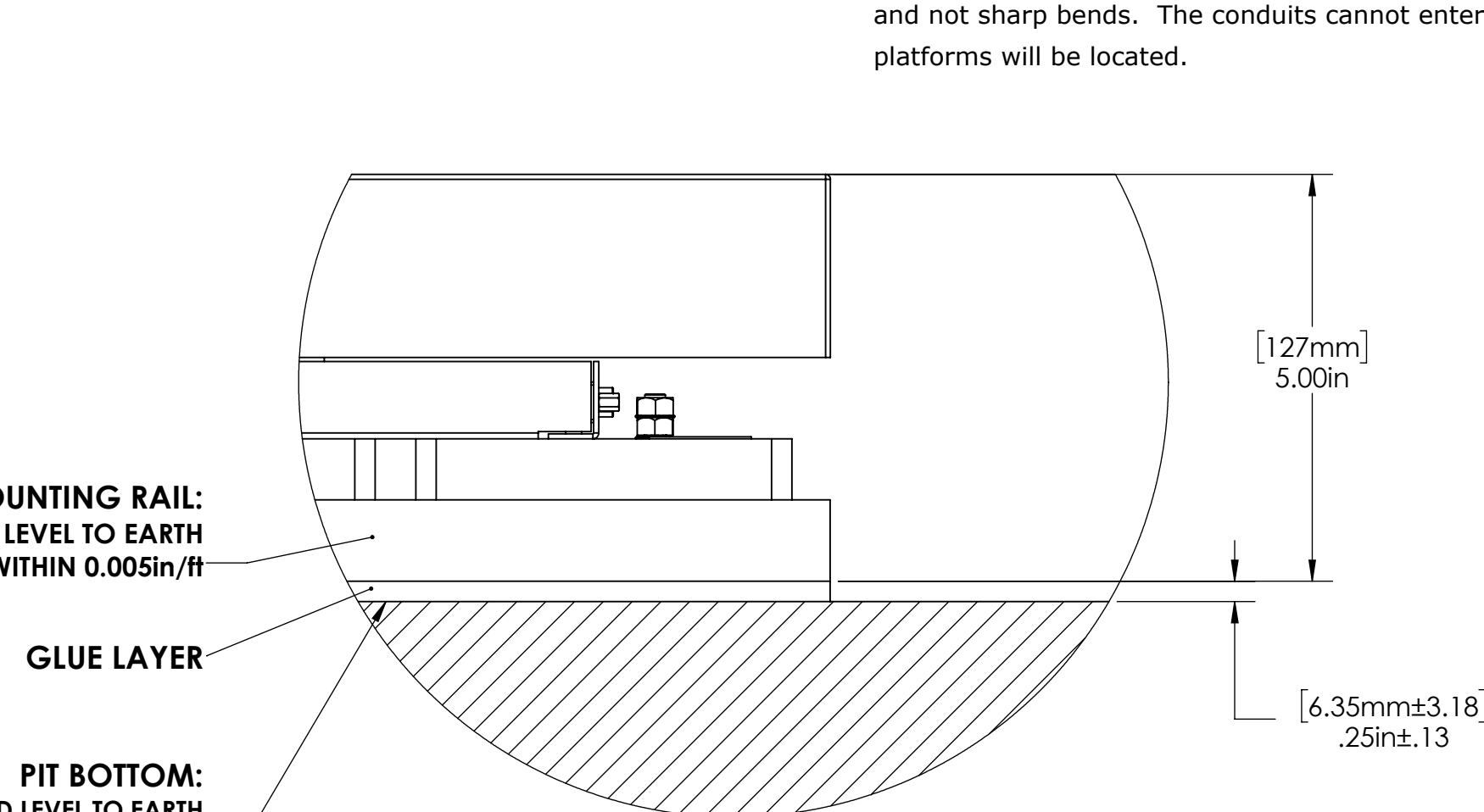


SECTION B-B



SECTION A-A




DETAIL A
SCALE 1 : 2

- NOTES:**
1. AMTI force platforms are very sensitive precision measuring devices. AMTI force platform installations, including the location in which they are installed in/on, are precision measurement systems. The installation must be completed to a standard that will allow smooth human interaction, and maximize the performance of the platforms.
 2. A typical mounting installation takes the form of a heavy rigid mass under the force platform. This mass is usually a metal reinforced concrete structure. There is considerable latitude in the design of an installation. Ideally a permanent ground floor (slab on grade) installation should have a depth of 30 to 45 cm of concrete (12" - 18") poured onto compacted earth beneath the force platform and mounting plate.
 3. When the mounting rails are installed they will be flat, level, and coplanar. (to within .005 in/ft or .4 mm/m at the top of the rails)
. This accuracy is achieved with the use of fine leveling screws, and accurate concrete work.
 4. The tolerance of the top edge of the pit perimeter:
 - a. When the installation is complete it is desirable to have the platforms quite flush with the surrounding floor (usually to within 1.5mm (1/16in) or less). However this tolerance is end user/application defined.
 - b. Typically this tolerance is difficult to achieve with poured concrete. Therefore an initial poured tolerance of +/- 3mm (1/8in) is acceptable
 - c. There are three ways to achieve the desired precision on the top perimeter of the pit:
 - i. **(most typical and recommended)** Install the array of mounting rails such that the platforms will be flush with the highest point on the pit perimeter. The surrounding floor can be feathered in some manner to be flush with the final platform height. Concrete work should not be done with the platforms installed.
 - ii. **(not recommended for concrete pit)** Install the array of mounting rails such that the platforms will be flush with the lowest point on the pit perimeter. The surrounding floor can be feathered by grinding to match the lowest part of the pit perimeter. Concrete work should not be done with the platforms installed.
 - iii. **(not recommended for concrete pit)** Install the array of mounting rails such that the platforms will be flush with to a chosen zero point between the high and low points on the perimeter. The floor is made flush with the platforms using the above means. Concrete work should not be done with the platforms installed.
 - d. Assuming that the 1st method above (i) is used, all geometry of the pit will be calculated from the **highest point** on the upper perimeter of the pit after the initial concrete pour.
 5. The tolerance of the bottom of the pit:
 - a. The flatness and levelness of the concrete surface in the bottom of the pit is very important. This surface should be made as level and flat as possible (within 3mm (1/8in) or better). Typically this is difficult to achieve with a concrete pour. A self-leveling compound such as SilFlo-230 and bonding agent or equivalent can be used to bring the bottom of the pit up to final height and level specifications.
 - b. The epoxy used to bond the rails to the concrete can accommodate small variations in the concrete, but the surface should be flat and level to within 3mm (1/8in). It is imperative that there will be a **minimum 3mm (1/8in)** gap for the epoxy.
 - b. The maximum gap the epoxy can accommodate is 5/16" but this will require additional epoxy beyond what is shipped to install the plate(s). Epoxy quantities are calculated for an average gap of 6mm (1/4in) gap).
 - c. **Anything larger than 6mm (5/16in) is too large of a gap to fill as the epoxy will flow out of the gap. Some kind of damming and substantial quantities of additional epoxy will be needed.**
 6. To confirm that the pit is within the geometric tolerances above; a survey must be taken on a **minimum 300mm x 300mm (12in x 12in) grid** in the bottom of the pit and around the top perimeter. This survey must be submitted to AMTI prior to installation by AMTI.
 7. One conduit with a minimum inside diameter of 2.5" is required for every 2 platforms. These conduits must have long sweeps and not sharp bends. The conduits cannot enter the pit in a way that will interfere with the area where the mounting rails and platforms will be located.

NOTE:

**THIS DRAWING IS FOR
INSTALLATIONS USING
AMTI PLATFORMS:**

**BP600600
BP600900
BP900900
BP6001200
BP12001200**

UNLESS OTHERWISE SPECIFIED:				NAME	DATE
DIMENSIONS ARE IN INCHES				---	---
TOLERANCES:		ANGLES	SURFACE FINISH 	ENG APPR.	---
X 2 0.00		± 1/2°		PURCHASING:	---
X 2 0.01		± 1/4°	COMMENTS:	AMTI	
X 2 0.05		± 1/8°			
FRACTIONALS 1/32				TITLE: PIT PREPARATION PLATFORMS: BP600600; BP900900; BP900900; BP6001200; BP12001200	
INTERPRET GEOMETRIC TOLERANCING PER:					
MATERIAL:					
FRESH				SIZE	DWG. NO.
DO NOT SCALE DRAWING				D	REV
SCALE: 1:4				WEIGHT:	SHEET 1 OF 1