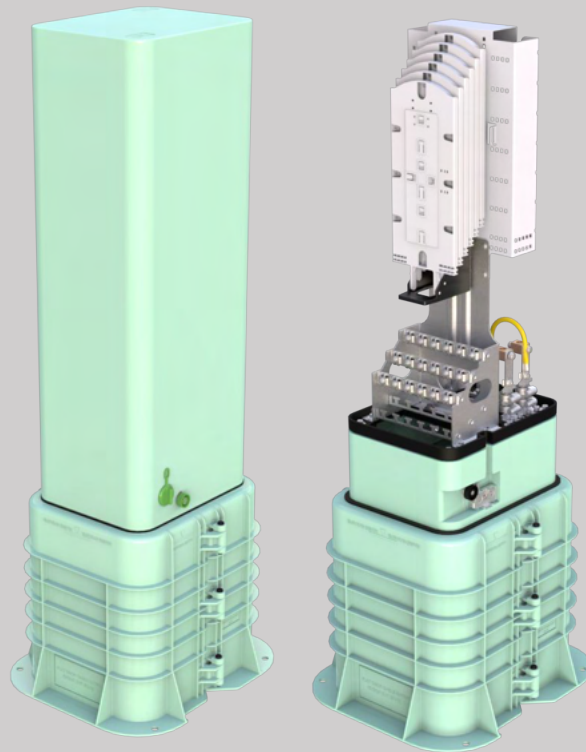




Installation Guide

STL OptoPed

Optical Pedestal



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1. INTRODUCTION

STL OptoPed optical pedestal is built with carrier-grade engineering materials for lasting environmental endurance. These pedestals are designed and tested to withstand the harshest of environmental conditions, including floods, fires, Insects, fungi, cyclones and high-speed winds carrying dust and debris. This product is typically designed in light green color that goes well with the surroundings. It primarily consists of the bottom assembly, top casing, mounting frame unit, storage management unit, grounding unit, and splice tray mounting hub. The base of this pedestal can be opened up to 150 degrees on its hinges providing the maximum flexibility and space to the onsite installer.

Further, the installer can reconfigure the hinges to open the base in the most convenient manner. These pedestals come in different variants based on the operator's requirement for fiber splicing. Currently, STL provides two versions with 144 and 288 fiber splicing capacities and can design more basis requirements. All these pedestals come with auto lock and manual lock configuration, and both are operable using only the Telecom-CAN-216 tool.

2. BASE INSTALLATION

2.1 Excavation: Dig a 3ft x 3ft x 1.5ft pit, evenly spaced around targeted buried cable and conduit loop (fig 1)



Figure 1

2.2 Open Base: Remove the three pins on one side of the base using pliers (fig 2a), to allow for wrapping around the installed cable loop.



Figure 2a

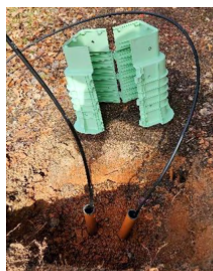


Figure 2b

2.3 Drop Cable Knock-out: Remove “Knock-out” door for future drop cables before setting base (Figures 3a-b) Use flat screw driver to pierce molded in score line to initiate break-out. Tap on door surface with hammer to force completely out.

Note: A smaller drop “knockout” is located above larger door on hinged side (fig 3c)



Figure 3a



Figure 3b



Figure 3c



Fig 3c

Also present on the opposite side

Fig 3a

Also present on the opposite side

2.4 Set Base: Orient to best fit buried cable duct position.



Figure 4a



Figure 4b

2.5 Pedestal Stake and Ground Rod: Drive pedestal stake into the ground until the bolt holes line up with the holes in the pedestal base. Use hardware provided (see Figure 5a). Install grounding rod per local procedure and attach installed ground wire using hardware provided (see figure 5b-c). *Position the ground rod nearest the grounding bracket.*

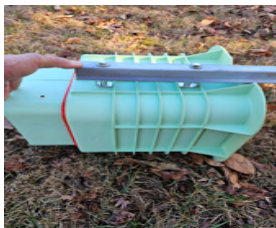


Figure 5a



Figure 5b

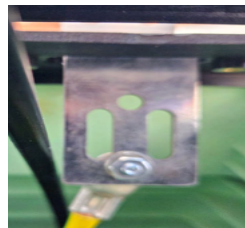


Figure 5c

2.6 Aggregates: Add minimum of 4-6 inches (100-150 mm) of aggregates to bottom of base for stability (see figure 6a)



Figure 6a

3. MOUNTING PLATE AND CABLE ATTACHMENT

3.1 Distribution Cable Access: Mark both incoming and outgoing cable ends 23-27 inches from pit ground level with tape (see figure 7a). Start mid-span opening between marks. Cut central strength member 3-5 inches from both ring cuts (see figure 7b)

Note: Storage basket holds about 11ft of buffer tube storage.



Figure 7a



Figure 7b

3.2 Mounting Plate: Pass mid-span buffer tubes through thin rectangular opening in mounting plate, as shown in figure 8a. Pass branch cable through round holes in the plate as shown in Figure 8b.



Figure 8a



Figure 8b

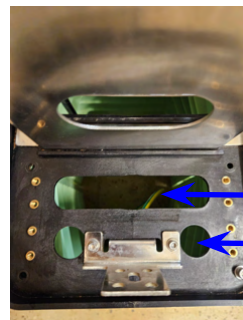


Figure 8c

Mid-span Cable
Branch Cable

3.3 Distribution & Branch Cable: Attach cable fixture as indicated in figures 9a-c. Position two ring clamps around cable jacket (Figure 9a). Position GRP rod against positive stop surface and secure with Ty-wrap (Figure 9b). Affix clamp to base with supplied screws (Figure 9c).



Figure 9a



Figure 9b



Figure 9c

3.4 Grounding & Bonding Attachment: Prepare cable ground using grounding kit provided per standard local procedure (Figure 10a). Attach grounded cable using ground straps as shown (Figure 10b).



Figure 10a

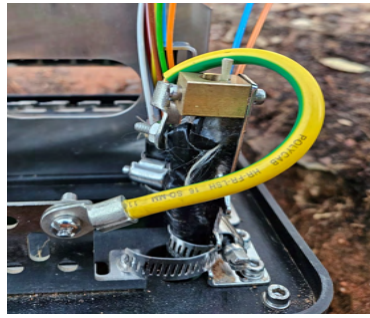


Figure 10b

4. BUFFER TUBE ROUTING AND STORAGE

4.1 Route buffer tubes with pass through as fiber shown in Figure 11a on the front side of the storage basket. Route buffer tubes with pass-thru and breakout fibers to the backside of the storage basket as shown in Figure 11b.



Figure 11a

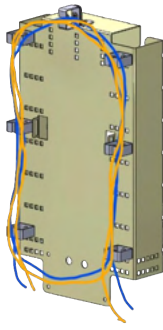


Figure 11b

5. DROP INSTALLATION

5.1 Locate large or small “knock-out” door and insert drop through pedestal base wall. See Step 2.3 if not already removed.

5.2 Use provided screwdriver to affix the flat drop cable as shown in Figures 12a and 12b using a ty-wrap on the lower restraint bar. Use the upper restraint bar to fixate the strength member as shown in Figure 12b.



Figure 12a



Figure 12b

6. COVER INSTALLATION

6.1 Use standard 216 CAN wrench to lock and unlock pedestal cover.



Figure 13a

7. RECOMMENDED TOOLS FOR STL OPTOPED INSTALLATION



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 You can also visit our website at www.stl.tech

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