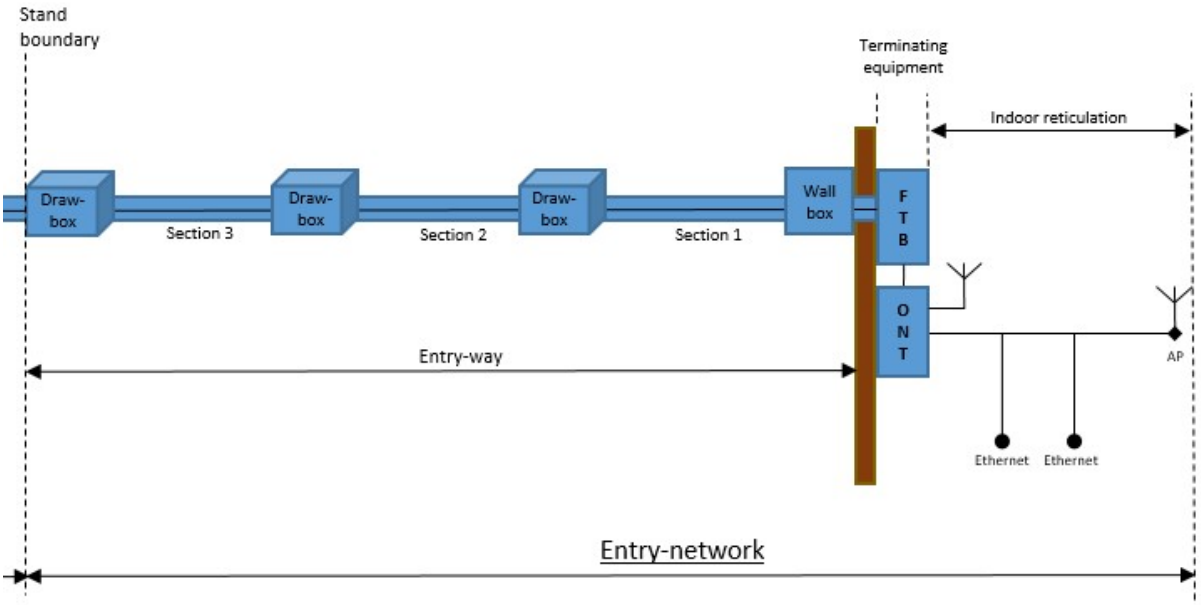
Entry-way Specifications

1. Purpose

The purpose of this document is to provide a guideline for the installation of the entry-way.

2. Overview

Refer to the Entry-Network section of the fibre network topology given in the figure below:

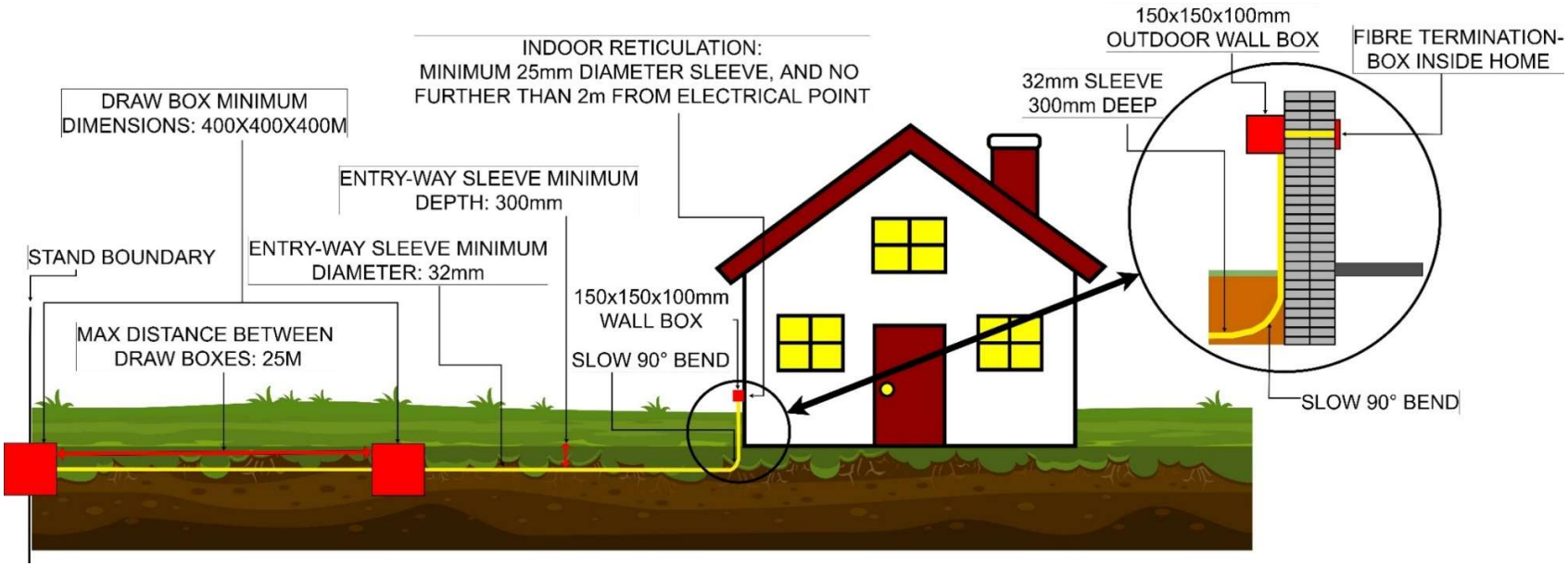


Legend

- **Entry-network:** The section of the fibre network comprising all the components from the stand boundary to, and including, in door reticulation
- **Draw box:** An enclosure with minimum dimensions of 400mm x 400mm x 400mm, with a secure and sturdy lid
- **Section:** PVC or HDPE piping with a minimum diameter of 32mm
- **Wall box:** A waterproof access box with minimum dimensions of 150mmx150mmx100mm
- **FTB:** Fibre Termination Box
- **ONT:** Optic Network Terminal
- **AP:** Access box

3. Entry-way specifications

Refer to the figure below:



1) The entry-way starts at the stand boundary and ends at the first entry point into the building.
2) The entry-way starts with a lidded draw box (minimum 400mm x 400mm x 400mm) installed at the stand boundary.
3) Additional draw boxes need to be installed every 25m for longer distance entry-ways.
4) The entry-way sleeve can either be PVC or HDPE pipe with a minimum diameter of 32mm.
5) The entry-way sleeve must be buried at a minimum depth of 300mm to minimize the risk of possible damage.
6) Jointing of the entry-way sleeve must be performed utilising purpose-made couplers and adhesive so as to prevent the joint from separating and causing a blockage in the entry-way.
7) A draw-wire/draw-string must be installed throughout the length of the sleeve, and secured at the ends to prevent it accidentally being pulled into the sleeve.
8) Bends must be kept to a minimum and the use of slow-bend elbows are recommended at the base of the building where a 90° bend will be present. The entry-way should have no sharp bends (200mm to 300mm radius) or any S-bends.
9) A 150mmx150mmx100mm waterproof access box should be installed outside the building at the entry point into the building.
10) A hole through the wall must be drilled with a slight upward angle into the building to prevent water seepage into the building.

4. Indoor reticulation

1. The location of the FTB inside the building (where the fibre will terminate) must be within 2m of an electrical socket for the provision of 220vac power to the ONT.
2. The indoor reticulation sleeves must have a minimum diameter of 25mm and slow bends must only be used.
3. The indoor sleeves must have a draw-wire/draw-string present throughout, which must be secured at the ends.