



Start Right Smart Guide

AB Single Family Unit



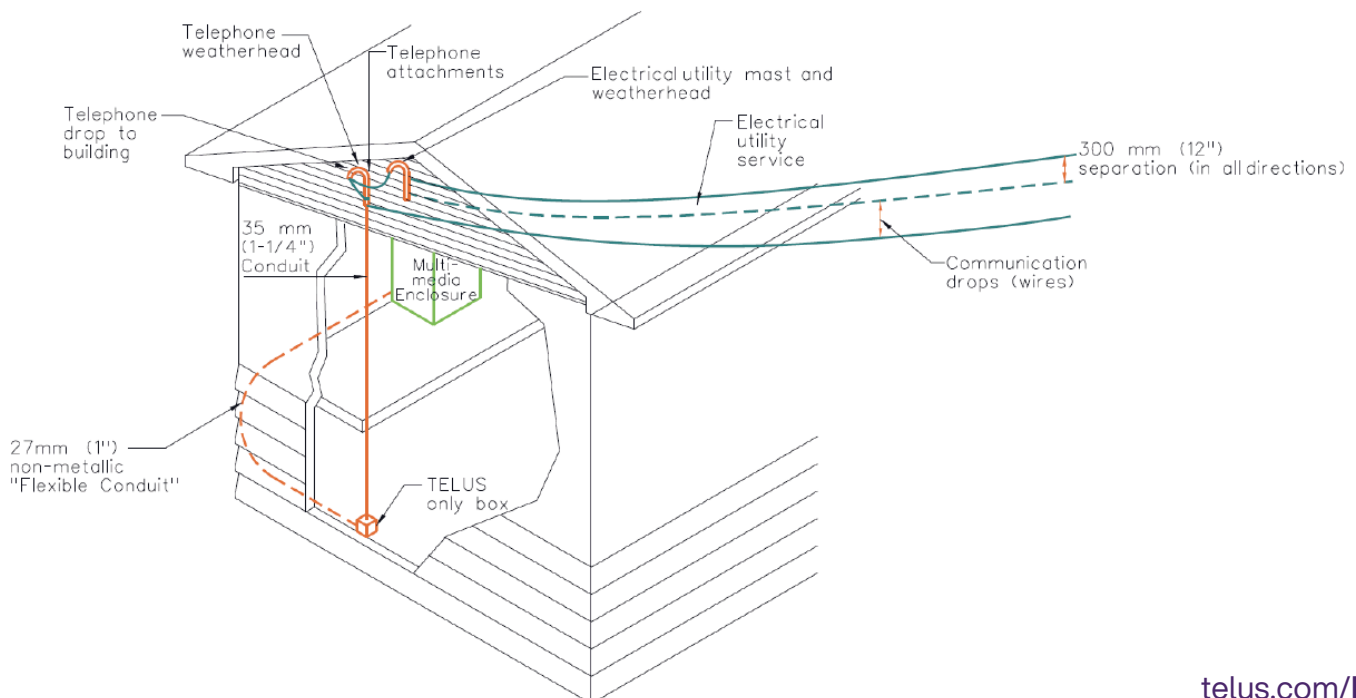
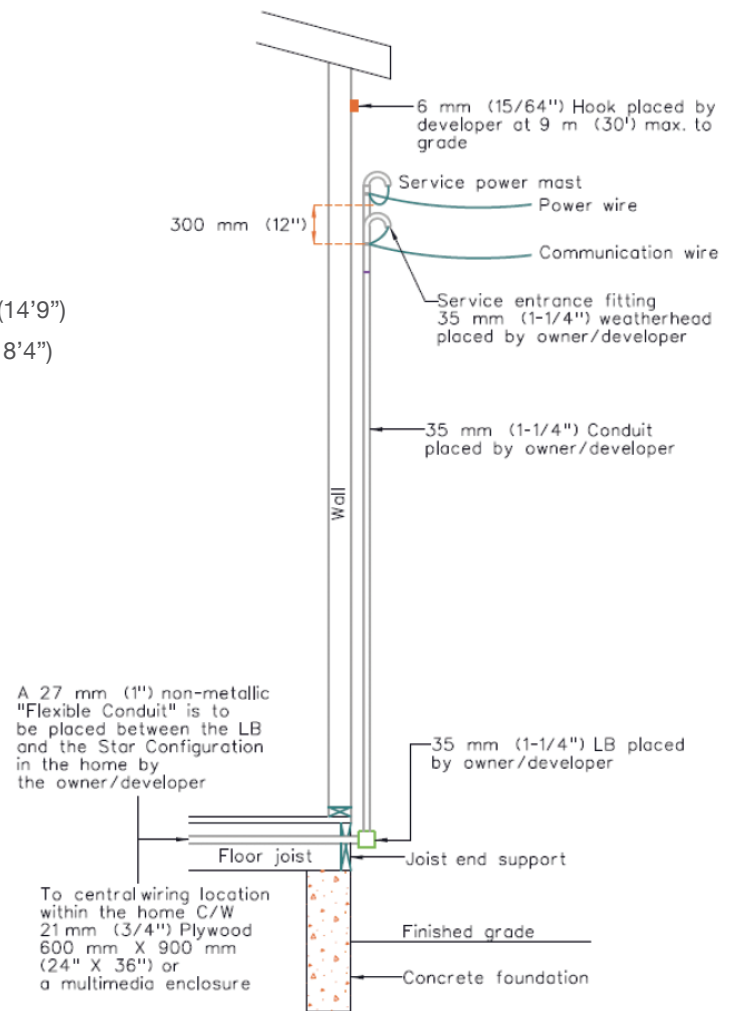
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Aerial Service

1. For aerial service, the following materials, available at electrical suppliers, are required: weatherhead, EMT (metal) or PVC (plastic) with UV inhibitor conduit, pull string and an LB. A conduit size of 35 mm (1 1/4") minimum allows for placing of TELUS service wire to the building.
2. If the drop wire crosses a street or lane to reach the house, the minimum placing clearance is:
 - Vehicle height not exceeding 4.15 m (13'7") shall be 4.5 m (14'9")
 - Vehicle height not exceeding 5.3 m (17'5") shall be 5.6 m (18'4")
 - For additional clearances, please refer to the Aerial Building Entrance Specifications found on the TELUS New Market Operations Web site, or contact a representative at 4DEV@telus.com.

If the minimum road clearance cannot be maintained, TELUS will request the installation of a clearance pole. This will provide the minimum required CSA clearance in all weather conditions. For example, if your house is a low ranch style, it may be necessary to place a mast to ensure adequate road clearance. Telephone drop wire may attach to the same mast as electrical utility. If this is done, a minimum of a 300 mm (12") separation must be kept between electrical utility and TELUS wires (refer to dotted line below).

3. If the conduit is to support the drop wire from the pole then a minimum of 50 mm (2") rigid steel pipe must be used.
4. If the network wire (drop) is anchored to the building or to the Service Power mast, then the telecommunication conduit must be 35 mm (1 1/4") PVC Schedule 40 with a weatherhead.



A 27 mm (1") non-metallic "Flexible Conduit" is to be placed between the LB and the Central wiring location in the home by the owner/developer

35 mm (1-1/4") LB supplied by owner/developer

To central wiring location within the home C/W
21 mm (3/4") Plywood
600 mm X 900 mm
(24" X 36") or
a multimedia enclosure

Wall

Floor joist

Finished grade

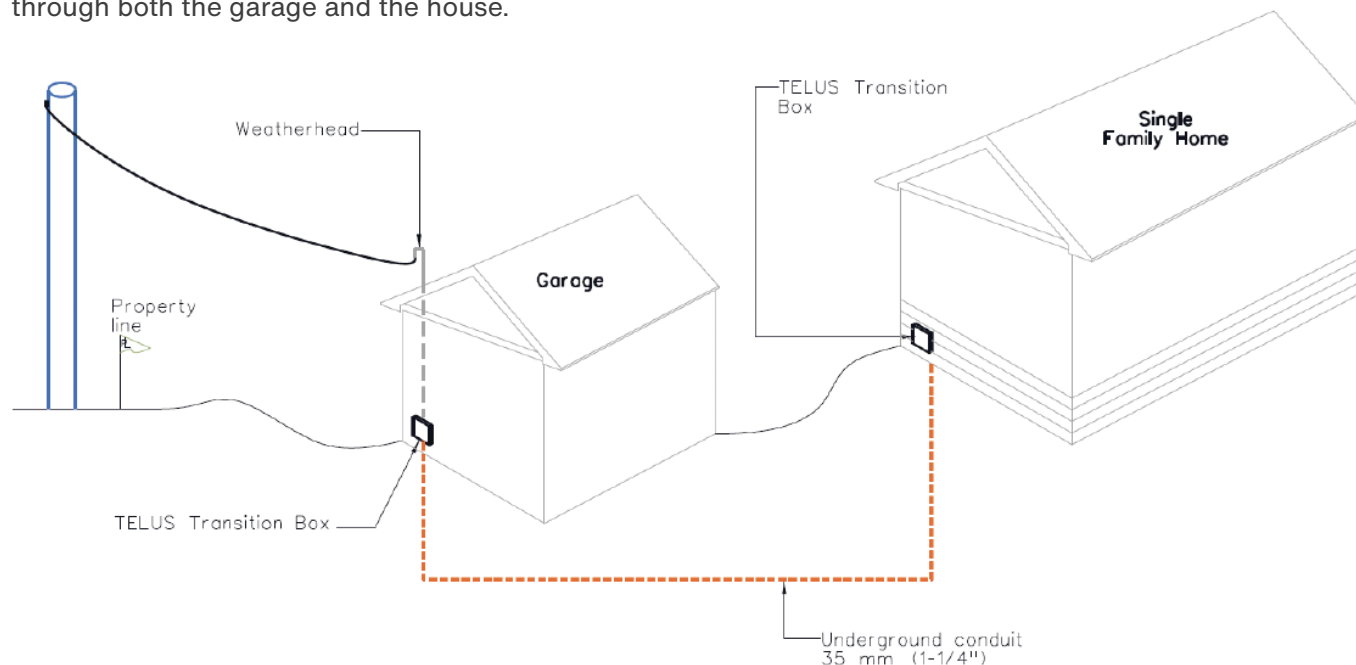
Concrete foundation

- No Internal Conduit Pathway:** If the builder decides NOT to provide a non-metallic conduit between the LB and the central wiring location or multimedia enclosure inside the home, pre-wire 2 CAT 6 cables along with a single Bend Insensitive Fibre (BIF) (ITU-T-G657 compliant, indoor/outdoor rated). Conduit is the preferred option, and if conduit is not installed, additional services to the home owner may not be possible.

Garage/Laneway Home

Transitional Drop

Transitional drop is defined as an aerial or underground service which feeds through both the garage and the house.



1. Transitional drop service may be installed through aerial or buried service, and may attach to either the Single Family Unit or the Garage/Laneway House.
2. The Builder/Owner is to provide a 35 mm (1¼") underground conduit between the Garage/Laneway Home and the Single Family Home.
3. Each individual service will require conduit from the transition box to the central wiring location of each independent service (i.e., 3 suites would be 3 separate conduit runs). If the builder decides NOT to provide a non-metallic conduit between the transition box and the central wiring location or multimedia enclosure inside the home, pre-wire 2 CAT 6 cables along with a single BIF (ITU-T-G657 compliant, indoor/outdoor rated). Conduit is the preferred option, and if conduit is not installed, additional services to the home owner may not be possible.
4. Transition box shall be weatherproof style minimum 203 mm x 203 mm (8" x 8") and be accessible to TELUS technicians.
5. Primary service must be installed in accordance with the above aerial and buried standards.

For more information please call 310-4DEV (4438)
or email 4dev@telus.com