



# **NEW CONSTRUCTION GUIDE**

## Building a new home or office? Remodeling your family room?

If you're building a new home, office or remodeling an existing room that could eventually include OEC Fiber services or other high-end electronics, now is the time to install the proper wiring to support them. Installing high-capacity, high-grade wiring and cable during the building or remodeling phase, while the walls are accessible, can save you big bucks down the road.

### What You Need:

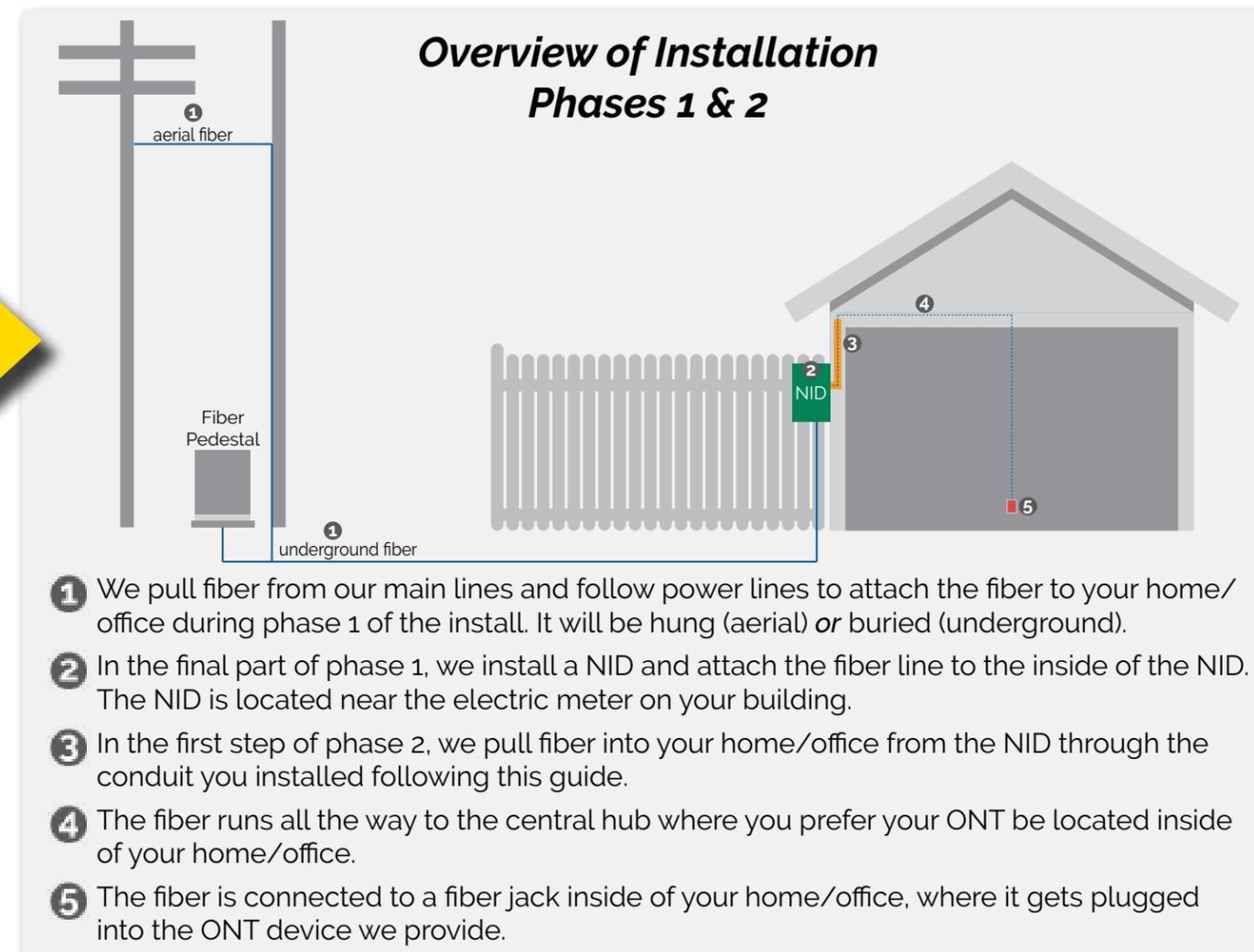
- ▶ To get the most out of today's electronics, we recommend installing Category 5 E (Cat-5E) or Cat-6 twisted-pair wire for television, voice and data transmissions.
- ▶ If you plan on having "Smart TVs", running a second CAT-5E to those TVs is advisable.

### What you can do:

While the walls are open in your new home, we suggest stubbing a ¾" piece of conduit near the electric meter outside of your home or office. We also suggest running all cabling from each spot where a phone, television, computer or router will be connected to a central hub, preferably in the center of the home to ensure maximum connectivity. The best option is to consult your electrician for local building codes before running conduit from the outside (near the electric meter) all the way to the central location where the CAT-5E cables terminate. Make sure to include a power source near your preferred Optical Network Terminal (ONT) location.

### What we will do:

OEC Fiber will mount a Network Interface Device (NID) close to the electric meter outside of the home or office, covering your already-placed conduit. From the NID, we will run microfiber through your conduit to the central location inside of your home during your scheduled OEC Fiber installation. We will then plug the microfiber into our Optical Network Terminal (ONT) inside of your home.



### Keep in mind:

- ▶▶ Do not run the Cat-5E cables next to power wire or over any fluorescent lights. Cat-5E cable is not shielded like coaxial cable and any interference from the power or lights may affect your services. It's best to drill a separate hole through the framing and keep the Cat-5E cable on the other side of the power wire at a minimum of six inches.
- ▶▶ Limit the number of 90° angles used when running conduit.
- ▶▶ The ability to use wireless will depend on the size and construction of the house and the locations of the central unit and the remote units. This is why we encourage the use of the Cat-5E or Cat-6 cable in new construction.



We look forward to serving all your technology needs in the future and hope to be of help in this transitional time.



Please don't hesitate to contact us with any further questions at **405-217-6868** or visit us anytime at **[www.OECFiber.com](http://www.OECFiber.com)**

