Ohio Residential Plan Submittal Form *(Underground Electrical Service)*

Wayne County Building Department
428 West Liberty St • Wooster, Ohio 44691 • ph 330-287-5525 • fax 330-287-5649

Address of Project	City	Project Description		
Contractor/DBA	**Address**	**State License No**	**Phone No**	**Cell Phone No**
Owner	**Address**	**Phone No**		**Cell Phone No**

Electrical Design

Panel Location in dwelling
(Basement, Garage, etc.)

Size of Service in Amperes: (Check one below)

	Copper	Aluminum	Service Rating
☐	4 AWG	2 AWG	100 Amps
☐	1 AWG	2/0 AWG	150 Amps
☐	2/0 AWG	4/0 AWG	200 Amps

NEC 310-15 Conductor Sizes 120/240 VOLT 3-Wire, Single-Phase, Dwelling Services/Feeders

Electrical Service Requirements

This information is not intended as a design specification or as an instruction for untrained persons.

NEC 110.3 All electrical equipment shall be installed and used in accordance with the listing requirements and manufacturer's instructions.

NEC 250.50 All grounding electrodes that are present at each building or structure served shall be bonded together to form the grounding electrode system. Conductor size per NEC 250.66.
NEC 250.52 Permitted Electrodes include:
1. Metal underground water pipe in direct contact with earth for 10 feet or more
2. Metal frame of the building
3. Concrete-encased electrode
4. Rod, pipe & plate electrodes

NEC 230.66 Service equipment shall be marked to identify it as being suitable for use as service equipment.

NEC 230.70(A)(1) The service disconnecting means shall be installed at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors

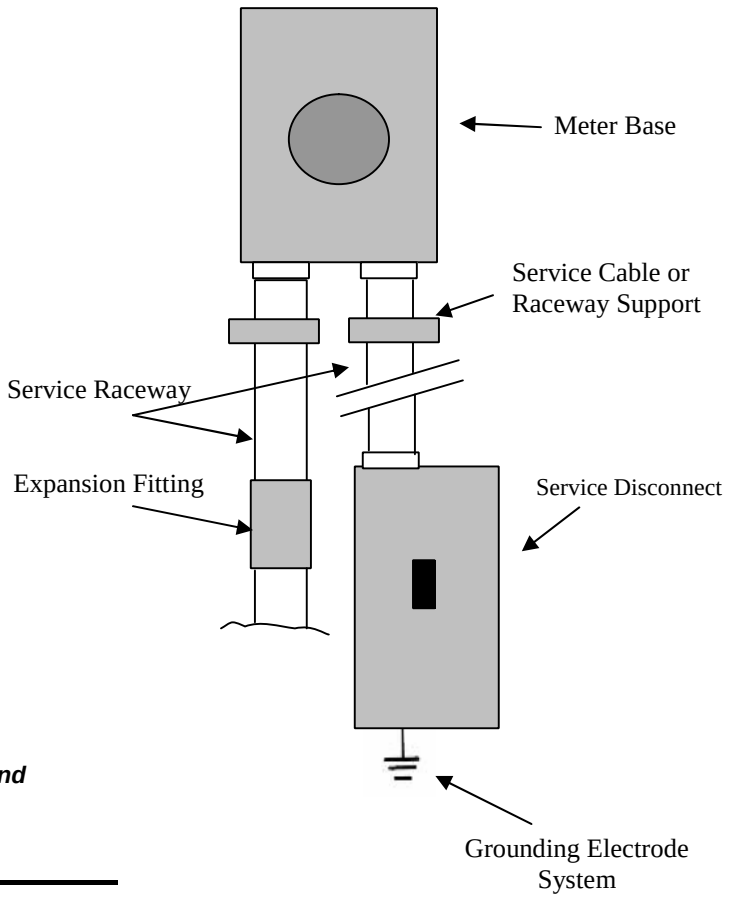
NEC 230.70(A)(3) Service disconnecting means shall not be installed in bathrooms.

NEC 230.71(A) & 230.72(A) The service disconnect shall consists of not more than six switches or six sets of circuit breakers. These switches or circuit breakers shall be grouped at one location.

NEC 230.79(C) The service disconnect shall have a rating of not less than 100 amperes.

NEC 230.90 & 230.91 Each ungrounded service conductor shall have overload protection. The service overcurrent device shall be an integral part of the service disconnecting means or shall be located immediately adjacent thereto.

NEC 300.5 Direct buried cable or conduit is required to comply with NEC Table 300.5. Service conductors that are not encased with concrete 18 inches or more below grade shall have their location identified by a warning ribbon placed 12 inches above the underground installation.



I hereby do certify that all information given above is correct and accurate and has been included as part of the submitted plans.

PRINTED NAME (Owner/Applicant) TITLE

SIGNATURE DATE