

PERMIT

CITY OF NAPOLEON, OHIO — DEPT. OF BUILDING & ZONING

255 W. Riverview Avenue, Napoleon, Ohio 43545 (419) 592-4010

Permit No. 580 Date March 14, 1983
 Job Location 817 Daggett Valuation \$ 450.00
 Owner Mrs. Clyde Frakes Address 817 Daggett
 Contractor Jim Speiser & Sons Telephone No. 599-1846
 Address P. O. Box 545, Napoleon, Ohio
 Electric Contractor _____
 Plumbing Contractor _____
 Mechanical Contractor _____

This permit is issued for work described in the plans, specifications, and/or application submitted, as approved by the Building Commissioner of the City of Napoleon, Ohio. Work shall conform to all pertinent construction and land use Codes and Ordinances.

Work Information:

Residential X Commercial _____ Industrial _____
No. owning units
 New Construction _____ Addition _____ Remodel _____
 Brief Description of Work change service and update wiring on first floor of house

ISSUED BY Richard A. Geyman DEPT. OF BUILDING & ZONING
Building Official **PAID**

MAR 14 1983

It is the owners or contractors responsibility to call the Building Department for the following (x) inspections:

- _____ Footing excavation prior to placing concrete.
- _____ Footing drains and foundation prior to backfill.
- _____ Prepared sub-grade prior to placing concrete floor slab.
- _____ Sanitary sewer
- X _____ Rough-in electrical, plumbing and service framing prior to installing wall board.
- X _____ Final electrical, plumbing and heating.
- _____ Final building inspection, prior to occupancy.

PERMIT & FEES

Building Permit	\$ _____
Electrical Permit	\$ <u>9.00</u>
Plumbing Permit	\$ _____
Mechanical Permit	\$ _____
Demolition Permit	\$ _____
Zoning Permit	\$ _____
Sign Permit	\$ _____
Water Tap	\$ _____
Sewer Tap	\$ _____
Temp. Elec.	\$ _____
Other	\$ _____
TOTAL FEES	\$ <u>9.00</u>
LESS FEES PAID	\$ <u>-0-</u>
BALANCE DUE	\$ <u>9.00</u>

Permit is not valid until all fees are paid in full, and shall be void if work is not started within six months of date above.



The first part of the experiment is devoted to the study of the temperature dependence of the rate constant for the reaction of hydrogen peroxide with iodide ions in the presence of ceric ions as a catalyst. The reaction is carried out in a series of solutions of known concentrations of the reactants and the products. The rate of reaction is measured by the change in the concentration of ceric ions over a fixed period of time. The results are plotted as a log-log plot of the rate constant versus the inverse of the absolute temperature. The slope of the line is found to be -1.5, which is in good agreement with the activation energy of the reaction.

The second part of the experiment is devoted to the study of the effect of the concentration of the reactants on the rate of reaction. The reaction is carried out in a series of solutions of known concentrations of the reactants and the products. The rate of reaction is measured by the change in the concentration of ceric ions over a fixed period of time. The results are plotted as a log-log plot of the rate constant versus the concentration of the reactants. The slope of the line is found to be 1.5, which is in good agreement with the order of the reaction with respect to the reactants.

The third part of the experiment is devoted to the study of the effect of the concentration of the products on the rate of reaction. The reaction is carried out in a series of solutions of known concentrations of the reactants and the products. The rate of reaction is measured by the change in the concentration of ceric ions over a fixed period of time. The results are plotted as a log-log plot of the rate constant versus the concentration of the products. The slope of the line is found to be -1.5, which is in good agreement with the order of the reaction with respect to the products.

The fourth part of the experiment is devoted to the study of the effect of the concentration of the catalyst on the rate of reaction. The reaction is carried out in a series of solutions of known concentrations of the reactants and the products. The rate of reaction is measured by the change in the concentration of ceric ions over a fixed period of time. The results are plotted as a log-log plot of the rate constant versus the concentration of the catalyst. The slope of the line is found to be 1.5, which is in good agreement with the order of the reaction with respect to the catalyst.



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MAR 14 1983
CITY OF NAPOLEON

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Water Tap	\$	_____
Sewer Tap	\$	_____
Temp. Elec.	\$	_____
Other	\$	_____
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LESS FEES PAID	\$	<u>-0-</u>
BALANCE DUE	\$	<u>9.00</u>

INSPECTION RECORD

UNDERGROUND		ROUGH-IN &			FINAL		
Type	Date	By	Type	Date	By	Date	
PLUMBING	Sewer Connection		Drainage, W. & Vent			Drainage, W. & Vent	
	Building Sewer		Water Piping			Water Heater	
	Water Piping		Condensate Lines			Backflow Prevention	
			Indirect Waste				
						FINAL APPROVAL	
ELECTRICAL	Floor Ducts Raceways		Rough Wiring			Electric Mtr. Clearance <i>7/13/89</i>	
	Conduits & Cable		Conduits/Cable			Signs	
	Grounding & Bonding		Service Panel Switchboard				
			Subpanels				
			<input type="checkbox"/> Range <input type="checkbox"/> Dryer				FINAL APPROVAL <i>7/13/89</i>
MECHANICAL	Refrigerant Piping		Refrigerant Piping			Duct Insulation	
	Ducts/Plenums		Ducts/Plenums			Chimney(s)	
			Ventilation <input type="checkbox"/> Supply			Furnace(s)	
			<input type="checkbox"/> Exhst.			FINAL APPROVAL	
			Wall Construction			Fireplace Chimney	
BUILDING	Excavation		Crawl Space <input type="checkbox"/> Vent <input type="checkbox"/> Access			Attic <input type="checkbox"/> Vent <input type="checkbox"/> Access	
	Footings & Reinforcing		Floor System(s)			Special Insp Reports Rec'd	
	Sub-soil Drain		Roof System			Smoke Detector	
	Foundation Walls		Fire Wall(s)			Demolition (sewer cap)	
	Floor Slab		Roof Cover Roof Drain			Building or Structure	
	FINAL APPROVAL BLDG. DEPT		---	Certificate of Occupancy Issued			#

CITY OF NAPOLEON
BUILDING INSPECTION DEPARTMENT
APPLICATION FOR ELECTRICAL PERMIT
(Please print or type)

The undersigned hereby makes application for installation or replacement of electrical equipment as herein specified, agreeing to do all such work in strict accordance with the City of Napoleon's adopted Electrical Codes.

Owner's Name Mrs Clyde FRANKS Address 817 DORSET

Electrical Contractor Jim Spisner & Sons Telephone No. 599-1846

Address PO # 545

General Contractor _____ Telephone No. _____

Address _____

Location of Project STAIR Cost of Project 450⁰⁰

Work Information:

Residential Commercial _____ Industrial _____

No. Units _____

New Service Change _____ Rewiring Additional Wiring _____

Brief Description of Work: CHANGE SERVICE & UPDATE

WIRING ON 1ST FLOOR OF HOUSE

Size of proposed service entrance 100 Number of new circuits 4

Type of proposed service entrance _____ Underground _____ Overhead

Require Temporary Electric _____ (Yes or No)

Total Floor Area - Commercial and Industrial only _____ sq. ft.

Additional Information: _____

*Ground fault circuit interrupter protection is required on all 120-volt single phase, 15 and 20 amp. Circuits which are part of a temporary electric service; and also on bathroom, outdoor, and garage receptacles in all dwelling units. Art. 210-8 N.E.C.

*Application for permit shall be accompanied by two complete sets of plans including: Electrical layout and riser diagram. (For commercial and industrial work only).

Date 3-14-83

Applicant's Signature 

PERMIT NO. 580
PERMIT FEE \$ 9⁰⁰

