

PERMIT

CITY OF NAPOLEON, OHIO — DEPT. OF BUILDING & ZONING
255 W. Riverview Avenue, Napoleon, Ohio 43545 (419) 592-4010

0930

Permit No. _____ Date Oct. 24, 1984
Job Location 70 Vincennes Valuation \$ 69,000.00
Owner Mike Burk Address 65 Bordoux
Contractor Star Builders Name _____ Telephone No. 219-632-4797
Address RR 1 Woodburn Indiana 46797
Electric Contractor Dave Bennet 16825 Darling Rd. Woodburn Indiana 46797
Plumbing Contractor Star Builders
Mechanical Contractor Star Builders

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 Single Family Commercial _____ Industrial _____
New Construction X Addition _____ Remodel _____
Brief Description of Work New Single Family Residence and Attached Garage

ISSUED BY Richard W. Maymone DEPT. OF BUILDING & ZONING
Building Official

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
- ☒ Rough-in electrical, plumbing and service framing prior to installing wall board.
- ☒ Final electrical, plumbing and heating.
- ☒ Final building inspection, prior to occupancy.

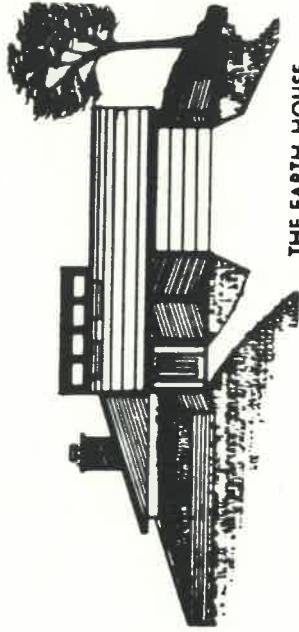
PERMIT & FEES	
Building Permit	\$ 112.50
Electrical Permit	\$ 17.00
Plumbing Permit	\$ 13.00
Mechanical Permit	\$ 9.00
Demolition Permit	\$
Zoning Permit	\$
Sign Permit	\$
Water Tap	\$ 300.00
Sewer Tap	\$ 60.00
Temp. Elec.	\$ 10.00
Other	\$

PAID	TOTAL FEES	\$ 521.50
	LESS FEES PAID	\$ - 0 -
	BALANCE DUE	\$ 521.50

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.

NOV 1 1984
CITY OF NAPOLEON

White-Building Department Yellow-Applicant Pink-Clerk-Treasurer Green-County Auditor Gold-Inspector

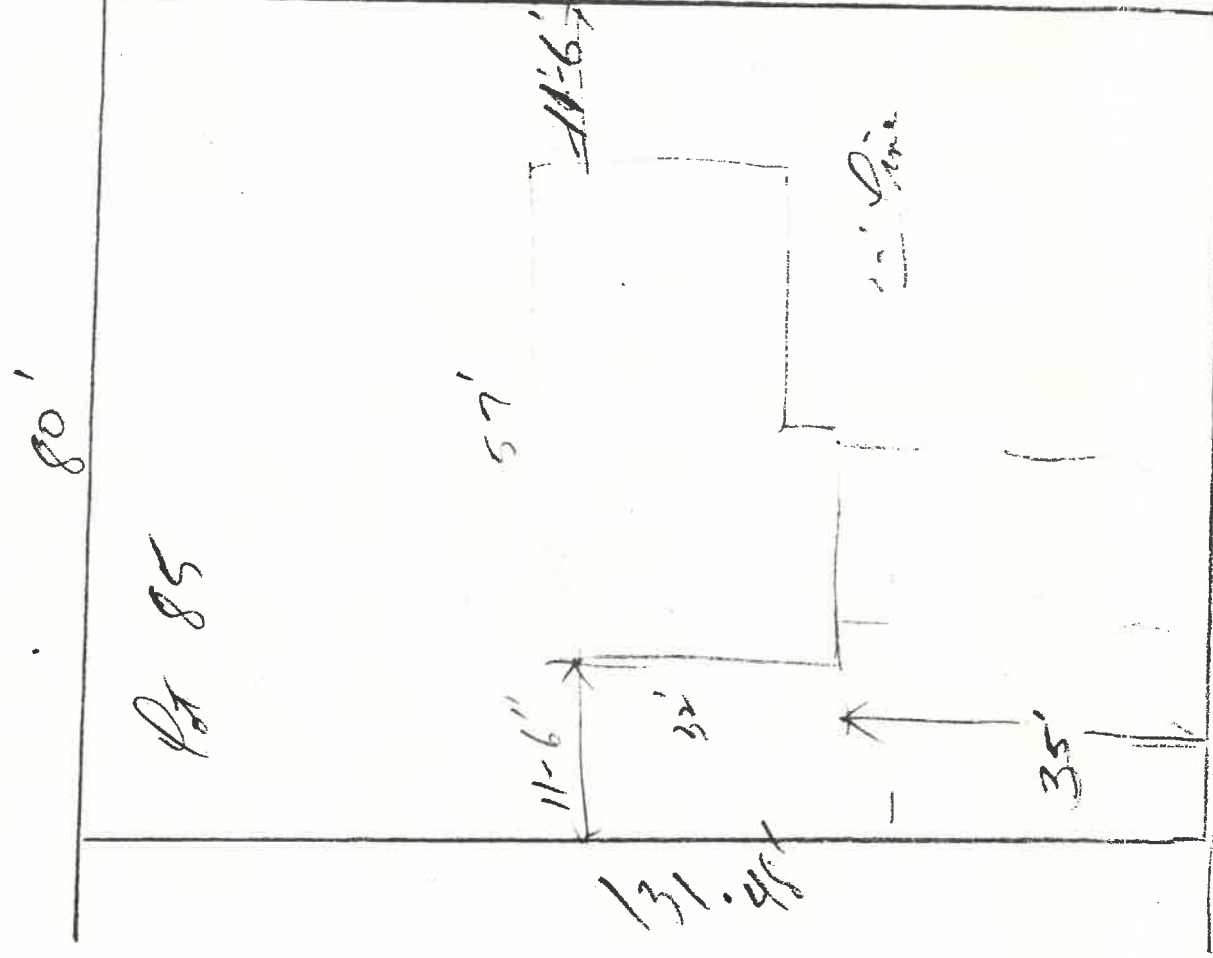


THE EARTH HOUSE

STAR BUILDERS,

by Delagrangue and Lengacher, Inc.

R. R. 1 — WOODBURN, INDIANA 46797



Vincennes Drive

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

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

Owner's Name Wife Burf Address 70 Vincennes

Contractor Star Builders Inc. Telephone NO. 219-632-4797

Address RR1 Woodburn Ind. 46797

Location of project Lot 85 Riverina # add Cost of project 69,000.00

Lot Information: (not required for siding job)

Lot No. 85 Subdivision Riverina Heights

Zoning District Lot Size ft. X ft. Area sq. ft.

Setbacks: Front Right Side Left Side Rear

Building Information:

Residential ☒ No. Units Commercial Industrial

Addition New Construction ☒ Remodel

Accessory Building Siding plum

Brief Description of Work: New Garage Specific Type

Size: Length 57 Width 32 No. of Stories 2

Area: 1st Floor 1356 sq. ft. Basement 1248 sq. ft.

2nd Floor 884 sq. ft. Accessory Building sq. ft.

3rd Floor sq. ft. Other sq. ft.

Additional Information:

*APPLICATION FOR PERMIT SHALL BE ACCOMPANIED BY TWO COMPLETE SETS OF PLANS INCLUDING: ELEVATIONS, FLOOR PLANS, CROSS SECTIONS AND PLOT PLAN. IF ADDITION OR REMODELING, SHOW ALL EXISTING STRUCTURES AND THEIR SIZE AND LOCATION. ALL PLANS SHALL BE DRAWN TO SCALE.

Date Oct 17, 84 Applicant's Signature Ray J. Langosky

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 Mike Dord Address _____
Electrical Contractor Dave Bernhardt Telephone No. 657-5272
Address 16825 Dairling Rd. Woodburn 46797
General Contractor Ken Buddens Telephone No. 632-4797
Address RR 1 Woodburn Ind. 46797
Location of Project Lot 85 Cost of Project 1600.00

Work Information:

Residential ☒ No. Units _____ Commercial _____ Industrial _____
New ☒ Service Change _____ Rewiring _____ Additional Wiring _____

Brief Description of Work: _____

Size of proposed service entrance 200 Number of new circuits 12
Type of proposed service entrance _____ Underground ☒ Overhead _____
Require Temporary Electric ☒ (Yes or No) _____ sq. ft. _____
Total Floor Area - Commercial and Industrial only _____
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 Oct 23

Applicant's Signature Ray G. Longmire

PERMIT NO. 930

PERMIT FEE \$ 27.00

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

The undersigned hereby makes application for the installation or replacement of plumbing work as herein specified, agreeing to do all such work in strict accordance with the City of Napoleon's adopted Plumbing Codes. (1, 2 and 3 family dwelling units only).

Owner's Name Mike Spink Address _____
Plumbing Contractor Star Builders Telephone No. 632-4797
Address 101 Woodburn Rd.
General Contractor Star Builders Telephone No. 632-4797
Address 101 Woodburn Rd. 46297
Location of Project Lot 85 Union Cost of Project 3,200.00

Work Information:

No. of dwelling units _____ New ☒ Replacement _____ Addition _____

Brief description of work: 2 Bath Complete

Is water tap required 1 1/2" Size _____ Type of Pipe 1/2" Copper
Is sewer tap required 6" Size _____ Type of Pipe PVC

Type of Water Distribution pipe Copper

Type of Drainage, Waste and Vent Pipe PVC

Size of main building drain 4" Size of main vent pipe 3"

Water closets 2 Bathtubs 1 No. 1 1/4 Trap Size 1 1/4 Shower _____ No. _____ Trap Size _____

Lavatories 2 No. 1 1/4 Trap Size 1 1/4 Kitchen Sink _____ No. _____ Trap Size _____ Disposal 1 No. _____ Trap Size _____

Dishwasher 1 No. 1 1/2 Trap Size 1 1/2 Clothes Washer 2" No. _____ Trap Size _____ Other _____ No. _____ Trap Size _____

All installations are subject to plumbing tests and/or inspections.

Date Oct 22 Applicant's Signature Ray J. Ferguson 10 days

PERMIT NO. 930
PERMIT FEE \$ 13.00

100 Nov 7-28-76

CITY OF NAPOLEON
BUILDING INSPECTION DEPARTMENT
APPLICATION FOR HEATING PERMIT
(PLEASE PRINT OR TYPE)

The undersigned hereby makes application for the installation, replacement or alteration of a heating system or device as herein specified, agreeing to do all such work in strict accordance with the City of Napoleon's adopted Mechanical Code for 1, 2 and 3 Family Buildings.

Owner's Name Mike Smith Address _____
Contractor's Name Stan Dwyer Address SP1 Tel. 632-4797

BUILDING INFORMATION:

Single Family ☒ Double Family _____ Multiple _____ New Construction ☒
Addition _____ Remodel _____ Replacement _____ No. of Stories 2

DESCRIPTION OF WORK

Heating System - Warm Air ☒ Hot Water _____ Steam _____ Electric ☒
Unit Heaters _____ Unit Gas Heaters _____ Other _____
Type - Gravity _____ Forced ☒ Radiant _____
No. of Thermostatical Heating Zone 1
Hot Water - One Pipe _____ Two Pipe _____ Series Loop _____
Electric Heat - No. of Circuits _____ Other _____
Total Heat Loss of Area to be Heated 44,000 Btu.
Rated Capacity of Furnace/Boiler _____ Btu.
No. of Furnaces 1 No. of Hot Air Runs 13
No. of Hot Water Radiators _____ Type of Fuel _____
Heating Units Located: Crawl Space _____ Floor Level _____ Suspended _____
Roof or Exposed to Outside Air _____ Attic _____ Other Basement

APPLICATION FOR PERMIT SHALL BE ACCOMPANIED BY TWO COMPLETE SETS OF PLANS INCLUDING: LOCATION OF FURNACE OR UNIT HEATERS AND SIZE AND LOCATION OF FEEDER DUCTS AND RETURN AIR DUCTS. ALL PLANS SHALL BE DRAWN TO SCALE.

ESTIMATED COST OF COMPLETED PROJECT: 325,000

DATE Oct. 17, 84 APPLICANT'S SIGNATURE Stan Dwyer OWNER-CONTRACTOR-AGENT



City of NAPOLEON, OHIO

255 RIVERVIEW AVENUE - (419) 592-4010
NAPOLEON, OHIO 43545-0151

October 17, 1984

70 *Enclosed*

Mayor

Robert G. Ficht

Clerk-Treasurer

Rupert W. Schweinhagen

Members of Council

Darel Austermliller, President

William Young

Lawrence Haase

Darrell Fox

Donald Morford

Lynn Wachtmann

City Manager

Richard A. Hayward

Law Director

Keith P. Muenfeld

Mr. Larry J. Lengacher
Star Builders
R. R. #1
Woodburn, IN 46797

Dear Mr. Lengacher:

Enclosed are your applications for a building permit, plus the drawings. Please complete all application forms and resubmit with two sets of drawings, unmarked.

Thank you.

Yours truly,

Richard G. Hayman

Richard G. Hayman
Building Commissioner

RGH:dd

Enc.

CELEBRATING OUR "150th" YEAR AS A COMMUNITY OF PRIDE IN 1984

PERMIT

CITY OF NAPOLEON, OHIO — DEPT. OF BUILDING & ZONING
255 W. Riverview Avenue, Napoleon, Ohio 43545 (419) 592-4010

Permit No. _____ Date Oct. 24, 1984
Job Location 70 Vincennes Valuation \$ 69,000.00
Owner Mike Park Address 65 Bordonia
Contractor Star Builders Telephone No. 219-632-1797
Address RR 1 Woodburn Indiana 46797
Electric Contractor Dave Bennett 16825 Darling Rd. Woodburn Indiana 46797
Plumbing Contractor Star Builders
Mechanical Contractor Star Builders

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Work Information:
Residential Single Family Commercial _____ Industrial _____
No. dwelling units 1
New Construction Addition Remodel _____
Brief Description of Work New Single Family Residence and Attached Garage

ISSUED BY [Signature] Building Official _____ DEPT. OF BUILDING & ZONING

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- ☒ Sanitary sewer
- ☒ Rough-in electrical, plumbing and service framing prior to installing wall board.
- ☒ Final electrical, plumbing and heating.
- ☒ Final building inspection, prior to occupancy.

PERMIT & FEES

Building Permit	\$ <u>112.50</u>
Electrical Permit	\$ <u>17.00</u>
Plumbing Permit	\$ <u>13.00</u>
Mechanical Permit	\$ <u>9.00</u>
Demolition Permit	\$ _____
Zoning Permit	\$ _____
Sign Permit	\$ _____
Water Tap	\$ <u>300.00</u>
Sewer Tap	\$ <u>60.00</u>
Temp. Elec.	\$ <u>10.00</u>
Other _____	\$ _____

TOTAL FEES	\$ <u>521.50</u>
LESS FEES PAID	\$ <u>- 0-</u>
BALANCE DUE	\$ <u>521.50</u>

PAID

NOV 1 1984

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.

CITY OF NAPOLEON

1/2/85 Tub not Boca Stamped
 Antihype circulation approval
 needed
 Basement washer needs
 grinder pump (Tub OK)
 1/8/85 Made over stairs
 to laundry. Landing step
 angled.
 2/13/85 Ready for final

INSPECTION RECORD

	UNDERGROUND			ROUGH-IN & FINAL					
	Type	Date	By	Type	Date	By	Type	Date	By
PLUMBING	Sewer Connection	1/2/85	SH	Drainage, W. & Vent			Drainage, W. & Vent	1/15/85	PEB
	Building Sewer			Water Piping			Water Heater	03/13/85	PEB
	Water Piping			Condensate Lines			Backflow Prevention		
				Indirect Waste					
							FINAL APPROVAL	03/12/85	PEB
ELECTRICAL	Floor Ducts Raceways			Rough Wiring	1/15/85	PEB	Electric Mtr. Clearance	1/15/85	PEB
	Conduits & or Cable			Conduits/ Cable			Signs		
	Grounding & or Bonding			Service Panel Switchboard	1/2/85	PEB			
	Temp	1/2/85	PEB	Subpanels					
				☐ Range ☐ Dryer			FINAL APPROVAL	03/19/85	PEB
MECHANICAL	Refrigerant Piping			Refrigerant Piping			Duct Insulation		
	Ducts/ Plenums			Ducts/ Plenums	03/13/85	PEB	Chimney(s)	03/13/85	PEB
				Ventilation ☐ Supply			Furnace(s)	03/13/85	PEB
				☐ Exhst.			FINAL APPROVAL	03/13/85	PEB
BUILDING	Location, Set-backs, Esmt(s)			Wall Construction	1/15/85	PEB	Fireplace Chimney	03/13/85	PEB
	Excavation			Crawl Space ☐ Vent ☐ Access			Attic ☐ Vent ☐ Access		
	Footings & Reinforcing	1/2/85	PEB	Floor System(s)	1/8/85	PEB	Special Insp Reports Rec'd		
	Sub-soil Drain			Roof System			Smoke Detector	03/13/85	PEB
	Foundation Walls			Fire Wall(s)			Demolition (sewer cap)		
	Floor Slab			Roof Cover Roof Drain			Building or Structure	03/13/85	PEB
FINAL APPROVAL BLDG. DEPT.			Certificate of Occupancy Issued			#			

PROJECT RECORD FORM

JOB NUMBER _____

DATE	REMARKS
13MAR85	Mike Burk Residence Star Builders -- General Dave Bennet -- Electrical
	NEC SEC 210-8 Receptacle in North wall of garage to be GFCI protected DEDICATED SPACE -
	NEC SEC 110-3-5 Heating Effects of ductwork require conduit protection or -ACCEPTABLE - 1" separation from ductwork
	NEC SEC 200-6-B Insulated Grounded Conductor in Service Panel shall be marked by a distinctive white marking at all terminations -ACCEPTABLE -
	CABO SEC R-216 Wiring specifications shall be required prior to approval of Smoke Detector installation -TO BE SENT -
	NEC SEC 220-3-B-2 Circuit diagram of kitchen receptacles shall be required prior to final approval of installation -ACCEPTABLE -

Mike Burk



City of NAPOLEON, OHIO

255 RIVERVIEW AVENUE - (419) 592-4010
NAPOLEON, OHIO 43545-0151

October 24, 1984

Mayor

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Clerk-Treasurer

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Darel Auster, Miller, President

William Young

Lawrence Haase

Darrell Fox

Donald Morford

Lynn Wachtmann

City Manager

Richard A. Hayward

Law Director

Keith P. Kimpfeller

Star Builders

R. R. #1

Woodburn, IN 46797

Dear Sir:

Following is a review of the drawings for the Mike Burke residence at 70 Vincennes Drive, Lot 85, Riviera Heights, Third. The following items shall be added or changed, to bring the construction into conformance with the City Codes.

1. All residential water services within the City shall be 1" in diameter.
2. Bathtub traps and drains shall be 1½" minimum.
3. Shower stalls shall have 2" traps and drains minimum.
4. Dishwasher shall have a minimum trap and drain of 1½".

Electrical

1. All bathroom, garage and exterior receptacles shall be on ground fault circuit interruptor not more than 4 receptacles per G.F.C.I.
2. Kitchen counter top receptacles may be on receptacle circuits from other rooms, but not on the same circuit as other countertop receptacles.
3. Refrigerators, microwaves, garbage disposals and other equipment shall be on single receptacle circuits.
4. Smoke detector shall be placed on the ceiling at the entrance to the first floor hall to bedrooms.

CELEBRATING OUR "150th" YEAR AS A COMMUNITY OF PRIDE IN 1984

5. Second smoke detector shall be placed at the top of the stairs on the ceiling of the second floor.
6. Kitchen countertop to left of kitchen range shall have duplex receptacle installed.
7. Spacing of receptacles in master bedroom and #3 bedroom shall be reviewed, prior to installation.
8. Attic space shall be provided a light fixture.
9. Smoke detector shall be placed at bottom of basement stairs.

Building

1. Garage walls abutting dwelling shall have 1 hr. fire rated drywall up to the underside of roof or the two walls and ceiling shall be fire rated.
2. Garage door header shall be 2 - 2 X 12 with either steel or plywood flitch plate.
3. Supply cross section of laminated beam in basement.

The above items shall be required to be added or changed but need not be resubmitted for approval.

The following inspections shall be completed prior to occupancy.

1. Footer prior to pouring.
2. Framing prior to closing.
3. Electrical prior to covering.
4. Sewer tap prior to backfill.
5. Pressure test on water and drain lines.
6. Final inspection prior to occupancy.

Yours truly,

Richard G. Hayman
Building Commissioner

RGH:dd

Enc.

CITY OF NAPOLEON WORK ORDER

No 60915

Dept.

Electric

Name Star Builders

Date Ordered

1-8-85

Address 70 Vincennes

By

Hayman

Remove		Meter		Install	
LOCATION					
Electric	No.	Date	Rdg.	No.	Date
Water					
Water Hr.					

Request: Underground Service 200 Amp

Date Completed

By

No. 408

CERTIFICATE OF OCCUPANCY
THE CITY OF NAPOLEON
ENGINEERING DEPARTMENT
DIVISION OF INSPECTION

This is to certify that the Building or Land as herein described complies with all the building and health laws and ordinances and with the provisions of the Zoning Ordinance.

Location of Occupancy 70 Vincennes Drive
Occupancy Single Family

Owner of Property Mike Burk
Address 65 Bordeaux
Route 1

Issued to Star Builders
Address Woodburn, Indiana 46797

Zoning "A" Residential
Bldg. Permit No. 0930

Substantial qualifications of occupancy Plumbing, Electrical, Mechanical, and Building Complete

This certificate is issued by the City Building Inspector, as provided by law, and is to certify that construction is completed substantially in conformity with the approved plans and permission is hereby granted to occupy such building in compliance with such legal use and occupancy as authorized under the provisions of the ordinances of the City of Napoleon.

Issued this 14 day of March 1985

Signed Richard S. Hayman
City Building Inspector
and should be so preserved.



11034 Highway 14 E. / P.O. Box 186 / New Haven, IN 46774 / (219) 749-5175

3-15-85

RE: STAR Builders

Lot 85

70 Vincennes St

For: Mike Burke

The electrician on the above job ask that we send you the enclosed information on the direct wire smoke alarm that he used on this job.

Joni Stiebeling
Lighting Consultant

Copy to: Mike Burke
City of Napoleon, OH

A Lighting store & so much more.

DESCRIPTION

BRK's model 1769AC-I smoke detector requires no adjustment, is self-contained, self-monitoring, easily installed, and is listed by Underwriters' Laboratories, Inc. It features a dual chamber sensor. When properly located and maintained, it can warn you of a developing fire situation.

WHERE TO LOCATE DETECTORS

For true life safety protection, detectors should be located on every level of a residence—basement, first floor, second floor and attic if it is furnished—and in every separate sleeping area. More specifically, detectors should be located:

1. Between sleeping areas and potential sources of fire such as the kitchen, garage, basement or utility room. In homes with only one sleeping area on one floor, a detector should be put in the hallway outside the bedrooms as shown in Figure 1. In single floor homes with two rooms as shown in Figure 1. In single floor homes with two separate sleeping areas, two detectors are required, one outside each bedroom area as shown in Figure 2. In multi-level homes, detectors should be located in bedroom areas and at every finished level of the home as shown in Figure 3. Basement level detectors should be located in the bottom of basement stairwells. Second floor detectors should be located at the top of the first-to-second floor stairwell so long as no door or other obstruction blocks the path of smoke.

2. Inside every bedroom where a smoker sleeps or an electrical appliance is operated. This detector should be in addition to the hallway detectors described above. See Figures 1-3.

3. Inside all bedrooms where people sleep with the door closed. Smoke and poisonous combustion gases are significantly blocked by a closed door. This detector should be in addition to the hallway detectors described above. See Figures 1-3.

4. At each end of a hallway serving the bedrooms if the hallway is in excess of 40 feet in length.

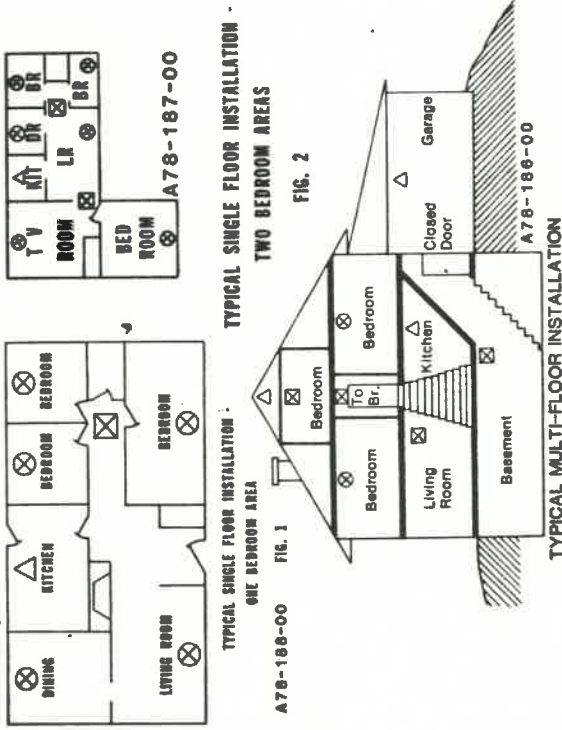


Figure 3
☒ Smoke Detectors For Minimum Protection
⊗ Smoke Detectors For Additional Protection
△ Heat-Activated Detectors

WHERE NOT TO LOCATE DETECTORS

To avoid false alarms and/or improper operation, avoid installation of smoke detectors in the following areas:

- KITCHENS—smoke from cooking may cause a nuisance alarm. LOCATE DETECTORS AT LEAST 20 FEET FROM KITCHENS IF POSSIBLE.
- IN AIRSTREAMS PASSING BY KITCHENS—smoke from cooking may enter normal air movement paths between outlets and returns if these paths run by kitchens, causing a nuisance alarm. LOCATE DETECTORS AWAY FROM SUCH AIRSTREAMS IF POSSIBLE.

- BATHROOMS—excessive steam from a shower may cause a nuisance alarm. LOCATE DETECTORS AT LEAST 10 FEET FROM BATHROOMS IF POSSIBLE.
- NEAR FORCED AIR DUCTS used for heating or air conditioning—air movement may prevent smoke from reaching the detector.
- NEAR FLUORESCENT LIGHT FIXTURES—"noise" generated by these fixtures may cause a nuisance alarm.
- NEAR FURNACES OF ANY TYPE—air and dust movement and normal combustion products may cause a nuisance alarm.
- THE PEAK OF AN "A" FRAME TYPE OF CEILING—"Dead Air" at the top may prevent smoke from reaching the detector.
- GARAGES—products of combustion are present from running automobile engines and may cause a nuisance alarm.
- UNHEATED BUILDINGS—temperature limits are 40° to 100°F. The detector will not function properly in locations where the normal ambient temperature exceeds these limits.
- INSECT INFESTED AREAS—insects entering the sensing chamber may cause a nuisance alarm.

IF YOU EXPERIENCE NUISANCE ALARMS, CAREFULLY CHECK YOUR DETECTOR'S LOCATION FOR POSSIBLE CAUSES AS LISTED ABOVE. RELOCATE AND CLEAN YOUR DETECTOR IF NECESSARY. REMEMBER THAT THE MAJOR CAUSES OF NUISANCE ALARMS ARE DIRTY OR IMPROPERLY LOCATED DETECTORS.

NFPA RECOMMENDATIONS REGARDING DETECTOR INSTALLATION

For your information, the National Fire Protection Association's Standard 74, Section 2-4, reads as follows: "2-4.1.1: Smoke detectors shall be installed outside of each separate sleeping area and in the immediate vicinity of the bedrooms and on each additional story of the family living unit including basements and excluding crawl spaces and unfinished attics. The provisions of 2-4.1.1 represent the minimum number of detectors required by this standard. It is recommended that the householder consider the use of additional smoke or heat detectors for increased protection for those areas separated by a door from the areas protected by the required smoke detectors under 2-4.1.1 above. The recommended additional areas are: living room, dining room, bedroom(s), kitchen, attic (finished or unfinished), furnace room, utility room, basement, integral or attached garage, and hallways not covered under 2-4.1.1 above. However the use of additional detectors remains the option of the householder." This equipment should be installed in accordance with this standard (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). State and local codes and ordinances may conflict with the above standard. We suggest you contact your local fire authority for local requirements regarding smoke detectors.

A WORD ABOUT YOUR DETECTOR'S ALARM HORN

The horn in your detector is rated at 85dB minimum at 10 feet. It meets or exceeds current audibility requirements set down by Underwriters Laboratories.

If the detector is located outside a bedroom, however, it may not wake up a person sleeping, especially if the bedroom door is closed or just partially open. If the detector is located on a level of the residence different from the bedroom level, then the likelihood that it will awaken sleepers diminishes further. In such cases NFPA recommends detectors be interconnected in such a way that the operation of the remote detector will cause an alarm of sufficient intensity to penetrate the bedrooms and awaken sleepers. This interconnection may be accomplished by the installation of a fire detection system, by the wiring together of multiple station alarm devices, or by the use of radio frequency transmitters/receivers, etc. If interconnection is not practical, detectors should be located in all bedrooms where people sleep with the door closed or partially open.

CAUTION

Early warning fire detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows:

A smoke detector installed in each separate sleeping area (in the vicinity, but outside of the bedrooms), and heat or smoke detectors in living rooms, dining rooms, bedrooms, kitchens, hallways, attics, furnace rooms, closets, utility and storage rooms, basements and attached garages.

THE LIMITATIONS OF SMOKE DETECTORS

Smoke detectors offer the earliest warning of fire possible at a reasonable cost. They have saved thousands of lives in the past and will save thousands more in the future. Nevertheless, smoke detectors have limitations.

Anything preventing smoke from reaching the detector may prevent an alarm. Therefore, detectors may not sense fires starting in chimneys, in walls, or on roofs. They may not provide early warning of fire developing on another level of a home. A second floor detector, for example, may not detect a first floor fire. For this reason, detectors should be located at every level of a home. Detectors may not sense a fire if it develops on the other side of a door. If bedroom doors are typically closed at night, detectors should be put inside bedrooms as well as in common bedroom hallways.

Detectors have sensing limitation, too. **Ionization type detectors offer a broad range of fire sensing capability but are better at detecting fast flaming fires than slow smoldering fires.** Photoelectric detectors sense smoldering fires better than flaming fires. Because home fires develop in different ways and are often unpredictable in their growth, neither type of detector is always best and a **given detector may not always provide warning of a fire. Even photo/ion detectors, while offering the broadest possible sensing capability, are not perfect detectors that will sense every fire in time.** In general, detectors cannot be expected to provide warning against fires resulting from inadequate fire protection practices, smoking in bed, violent explosions, escaping gas, fires started by children left alone at home, flammable cleaning solvents, arson and other safety hazards.

Finally, a smoke detector is not a substitute for an insurance policy. Because detectors may not provide adequate warning in certain fire situations, homeowners and renters alike should properly insure their lives and property.

LIMITED WARRANTY

BRK ELECTRONICS warrants its enclosed Smoke Detector to be free from defects in materials and workmanship under normal use and service for a period of one year from date of purchase.

The obligation of this Warranty shall be limited to repairing or replacing any part of the detector which we agree is defective in materials or workmanship under normal use and service during the one-year period commencing with the date of purchase: return postage pre-paid, to: Customer Service Dept., BRK ELECTRONICS, 780 McClure Road, Aurora, Illinois 60504.

This one-year Warranty is in lieu of all other express Warranties, obligations or liabilities. ANY IMPLIED WARRANTIES, OBLIGATIONS OR LIABILITIES, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED IN DURATION TO THE ONE YEAR DURATION OF THIS WRITTEN LIMITED WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY, MUST BE BROUGHT WITHIN A PERIOD OF 18 MONTHS FROM DATE OF PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. No agent, representative, dealer or employee of the Company has the authority to increase or alter the obligations of this Warranty.

This Warranty shall not apply to any detector which is found to have been modified, repaired or altered in any way without express written consent of the Company. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

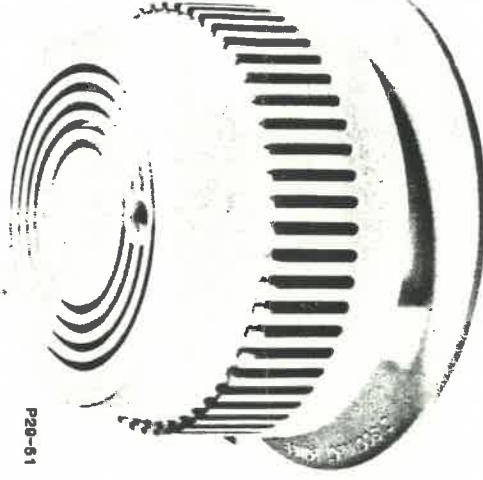
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



INPUT 120 V.A.C., 60 HZ,
0.1 W STANDBY, 5.0 W ALARM

1769AC-I

P28-61



BRK ELECTRONICS

A DIVISION OF PITTMAN CORPORATION

RADIATION AND YOUR SMOKE DETECTOR

Your smoke detector uses a tiny amount of radioactive material as part of its sensing chamber to enable detection of both visible and invisible products of combustion in an adjustment-free manner over its entire life. All of us are exposed to radiation every day of our lives from the naturally occurring radioactive materials within the earth and our bodies and cosmic radiation from outer space. On the average we all receive about 125 mRem per year from these natural sources (an mRem is a very small unit of radiation dosage). Diagnostic medical procedures such as chest and dental x-rays result in an average additional 20 mRem per year to each person. You would receive less than 0.1 mRem if you stood 1 meter away from your ionization detector 24 hours a day for a year.

Federal and State Governments have strict requirements limiting additional radiation dosage from products such as television receivers, luminous wristwatches, and many types of smoke detectors to levels far below that received from natural sources. Even though some of these products do not contain radioactive materials, all produce radiation to which we may be exposed.

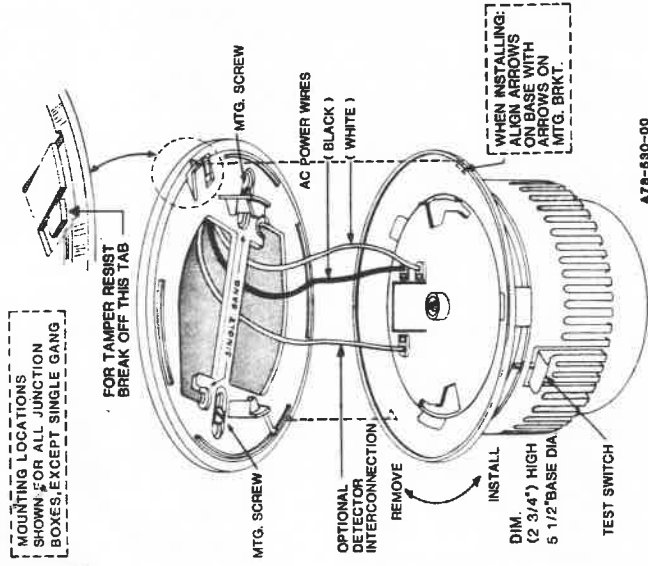
Your smoke detector meets or exceeds all government standards. Its manufacture and distribution are licensed by the U.S. Nuclear Regulatory Commission (formerly the Atomic Energy Commission).

PART NO. MO5-287-12

BRK ELECTRONICS

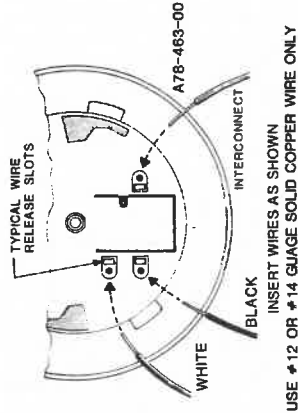
A DIVISION OF PITTMAN CORPORATION

780 McClure Road, Aurora, Illinois 60504
Area Code (312) 851-7330 Cable: BRKELEC
Telex: 72-0415



A78-530-00

CAUTION -
WIRING MUST CONFORM TO LOCAL ELECTRICAL CODES
AND ARTICLE 760 OF THE NATIONAL ELECTRICAL CODE



MOUNTING INSTRUCTIONS

Detectors should be located as close to the center of the ceiling as possible. If mounting near the center of the ceiling is not practical, detectors may be located on the ceiling up to four inches from the ceiling-wall junction (see figure 4). Do not install them near forced air heating or air conditioning ducts (outlets or returns). For sloped, gabled or high peaked ceilings, detectors must be mounted 4 to 6 inches from the highest point in the ceiling.

Detectors may also be wall mounted if permitted by local and state codes. Check with your local Fire Department about code requirements. Wall mounted detectors should be located 4 to 6 inches from the ceiling (see Figure 4). In mobile homes mount detectors **ONLY** on an interior wall.

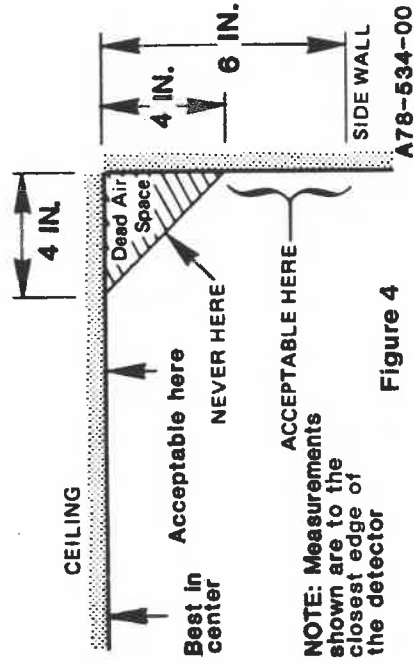


Figure 4

NOTE: Measurements shown are to the closest edge of the detector

TO INSTALL A DETECTOR

The detector is designed for mounting to any junction box up to 4" octagon size. **Power to the detector must be from a 24-hour 120 V.A.C. 60 HZ circuit which cannot be turned off by a switch.** DETECTOR INSTALLATION MUST CONFORM TO THE ELECTRICAL CODES IN YOUR AREA AND ARTICLE 760 OF THE U.S. NATIONAL ELECTRICAL CODE. IT IS RECOMMENDED THAT WIRING BE PERFORMED BY A LICENSED ELECTRICIAN. To install the detector:

1. Determine the best location for the detector following previously outlined suggestions. Install a junction box at that location if one is not available using standard #12 or #14 gauge wire.
2. Install the mounting bracket on the junction box, using the appropriate slot area for the junction box being used as shown in the Parts Identification drawing.
3. The A.C. power wires (and interconnect wire) connect to terminals inside the detector which capture the wire when it is pushed in. **USE #12 OR #14 GAUGE SOLID COPPER WIRE ONLY.** If necessary, connect short lengths of this type wire to the wire in your installation.
4. If detectors are to be interconnected, follow the instructions in the Interconnection section below. Connect the interconnect wire to the detector at the same time as the A.C. power wires are attached. If detectors are not being interconnected, do not use the interconnection terminal and hole.
5. Strip the A.C. power wires (and the interconnect wire if used) to the length shown on the strip guide on the back of the detector or the mounting bracket.
6. Connect the wires to the detector by pushing the stripped end of the wire into the appropriate hole on the back of the detector until the wire bottoms. **BE SURE TO PUSH THE WIRE ALL THE WAY IN. NO BARE WIRE SHOULD BE EXPOSED AFTER INSTALLATION.** The BLACK A.C. power wire goes into the hole marked BLACK; the WHITE A.C. power wire goes into the hole marked WHITE; and the INTERCONNECT wire (if used) goes into the hole marked INTERCONNECT. See the Parts Identification drawing.
7. The wires can be released from the internal terminals if necessary by inserting a small screwdriver into the release slots immediately adjacent to the wire insertion holes. Push the screwdriver in while pulling on the wire until the wire releases.
8. Mount the detector to the box aligning the arrows on the base with the arrows on the mounting bracket and turning the detector clockwise until a positive snap is felt. Be careful not to allow the wires to be caught on the mounting bracket. If a tamper-resistant mounting is desired, see the tamper resistant mounting section below.
9. Connect the power to the junction box.
10. The "Power On" indicator light visible through the front cover must be on at all times. If the light is off check all power connections. If power is being supplied to the detector and the light is not on, the detector should be returned for service.
11. Press the test switch (on the side of the cover marked "Push to Test") and hold depressed for ten seconds. The horn should sound. If the horn does not sound when the test switch is depressed the detector should be returned for service.

HOW TO INTERCONNECT

Model 1769AC-I units may be interconnected so that if any unit detects, all alarms will sound. For an interconnected system the following conditions must be observed:

1. Only BRK Model 1769AC-I detectors can be interconnected.
2. Not more than 6 units may be interconnected.
3. All units which are interconnected must receive their AC power from the same fuse or circuit breaker.

4. Not more than 1000 feet of interconnect wire may be used to interconnect units. The interconnection wire must be 18 gauge or larger, and conform to the electrical codes in your area and Article 760 of the National Electrical Code.
5. Interconnect by connecting the interconnect wires on all units to each other. Refer to Figure 5 below.
6. Test interconnection wiring after installation is completed. Test each unit in a system and make sure ALL other units alarm. FAILURE TO OBSERVE ANY OF THESE CONDITIONS CAN CAUSE SYSTEM MALFUNCTION AND/OR DAMAGE TO THE DETECTORS.

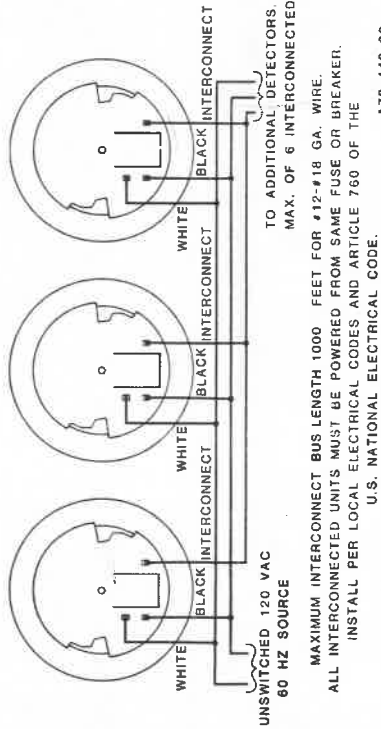


Figure 5

A78-448-00

TAMPER-RESISTANT MOUNTING

The detector mounting may be made tamper-resistant by breaking off the plastic tab as shown in the Parts Identification drawing. To release a detector mounted in this way, push-up on the locking tab with a small screwdriver while turning the detector counterclockwise.

CONNECTING AUXILIARY DEVICES

Your detector cannot be connected to any auxiliary device. The connection of any auxiliary device will cause unit FAILURE.

TEST PROCEDURE

You should test your detector at least once a week to assure yourself of its operation, as recommended by N.F.P.A. Test the detector by firmly depressing the test switch on the side of the cover (marked "Push to Test") for ten seconds. The alarm horn should sound.

MONITORING YOUR DETECTOR

The detector alarm horn and solid-state indicator light (visible through the front cover) are designed to help you monitor the detector. Table 1 below will help you determine the detector's status.

TABLE 1

Detector Status	Alarm Horn	Indicator Light
Normal-Functioning properly	Silent	On continuously
Alarm-Detecting Smoke	On continuously	On continuously

The detector will automatically return from the Alarm to the Normal state when the reason for Alarm, as the presence of smoke, is completely removed.

CLEANING AND MAINTAINING YOUR DETECTOR

Your Smoke Detector has been designed to be as free from maintenance as possible. However, there are three simple things you must do to maintain your unit in reliable working condition.

1. Test it weekly and following an alarm (see instructions).
2. Have the detector serviced if needed (see instructions).

3. Clean it if grease or dust accumulates. The following cleaning instructions should be followed at least once a year:

- a. CAUTION—120VAC. DISCONNECT POWER BEFORE SERVICING.
- b. Using a vacuum cleaner and soft brush attachment remove any accumulated dust from the cover openings.
- c. Restore A.C. power. Depress the test switch for ten seconds. The detector should sound an alarm.

SERVICE:

Should the detector require service, do not attempt to service it yourself—this will void your warranty. Send the detector to: Customer Service Department, BRK Electronics, 780 McClure Road, Aurora, Illinois 60504. Enclose a note describing the apparent malfunction. (See the warranty provisions on page 4.)

YOUR FAMILY FIRE SAFETY

The purchase and correct installation of your smoke detector is only one step in a program of fire safety for you and your family. A comprehensive program of fire safety requires actions which minimize the chance of fires starting and maximize your chances of escape, should a fire start. Included in such a program, you should:

1. Properly clean and maintain your smoke detector—a dirty of malfunctioning unit may fail to alarm.
2. Avoid hazardous situations—practice proper storage and use of flammable materials, maintain electric appliances and cord in good working order, do not overload electrical circuits, keep stove and barbecue grease-free, do not allow rubbish accumulation, properly use smoking materials, and keep matches away from children. These are all examples of steps which should be taken.
3. Establish and practice family escape plans—Planning and practicing with an accent on rapid and safe exit from your house is important in an event of fire. Draw a floor plan of your house showing all escape routes. Two escape routes should be planned from each room. An exit route out of the house without opening a bedroom door is essential. Decide on a meeting place for family members away from the house. See to it that all family members understand the alarm signal and escape plans and are able to follow them without assistance, especially small children. Hold fire drills at least every six months. Maintain emergency equipment such as escape ladders and extinguishers as needed.

WHAT YOU AND YOUR FAMILY SHOULD DO

IN CASE OF FIRE

1. **DON'T PANIC**—escape may depend on clear thinking.
2. Get out of the house following the planned escape routes, if possible. Do not stop to collect valuables or dress.
3. Open doors carefully only after feeling them to see if they are hot. If they are, do not open—follow an alternate escape route.
4. Keep close to the floor—smoke and hot gasses rise. Breathe through a cloth (wet, if possible) and take short shallow breaths.
5. Keep doors and windows closed unless it is necessary to open them for escape.
6. Meet at your pre-established meeting place after leaving your house.
7. Call your Fire Department as soon as possible from outside building. Give address and name.
8. Never re-enter a burning building.

FURTHER INFORMATION ON FIRE SAFETY

Your local Fire Department can supply you with more detailed information about making your home as free from fire hazards as possible and about planning for escape in case of fire.

MO5-287-12

to Vincennes

PROJECT RECORD FORM

ADDRESS to Vincennes NAME Star Bldg.

DATE	REMARKS
	AKER PLASTICS 936-3838
	Box 884 North oak Rd
	Plymouth Indiana 46563
	Called Aker. They said Gerald Bruce gave them approval. Bruce has met been with the State of Ohio for about 2 yrs. Talked to the state, Dir of Industries Buildings Bill Holroyd ^{after will send} brother.
	Wuthane 1319 comply with this section for flame & smoke test
	Called Moyer in Indiana for methane statistics
	1/4/85 called Tachlorics & Buildings Talked to Bill Holroyd about inter office Comm.
	sent to Aker from Gerald Bruce by 1980
	They will check and return call
1/4/85	Bill Holroyd called back there was ^{issue} issue

✓ memo dated Dec 11, 1980 and letter
from Alvin D. West. The facts are revealed
he is in possession of the product

INTER

To PLANS EXAMINERS

From: JERALD E. BRUCE, CH

Subject: PLASTIC PLUMBING UN

DEPARTMENT OF I

PLASTIC PLUMBING UNITS

The following plastic
documented by approved
spread ratings not gree
properly identified.

1. Swan Corporation -
2. American Standard -
3. Universal Rundle - "Dou
4. Corl Corporation - (Bremen,
5. American Superior Midwest -
6. National Homes Corporation -
7. Brunel Products, Inc. - "Br
8. Owens-Corning Fiberglas Corp
9. Kohler of Kohler-K 1405, K 1
10. Glas-Tec, Incorporated, Midd
11. Eljer Plumbingware-Tub & Show
12. Lasco Industries, Inc. - Gel
13. Form-Tec Corporation, Imlay C
14. Snyder Fiber Glass Co., FRP Tu
15. Borg-Warner Plumbing Products
16. Corl Corporation - (Bremen, In
17. Aqua Glass Corporation - Gel C
18. Bremen-Glas, Inc. - Fiberglass reinforced resins, per U.S. Testing Company
19. Aker Plastics Co., Inc. - Gel coated glass reinforced polyester

JEB/cr

Model
PLEASE NOTE!

19 432 2400

Please file this information packet with your other valuable records. The information listed below will be helpful in the event service is required.

CARE & CLEANING

To protect the natural sheen of this new unit, use only mild liquid detergents or any of the bathroom cleaners specially formulated to clean fiberglass products. CAUTION: NEVER USE abrasive or ammonia based cleaners. Their use will, in time, dull the natural finish.

12-10-84

Unit
Description:

GB-R

Serial
Number:

995668

Unit
Color:

7-Bone Nat

Final
Inspection
Signature:

JEB

RC

AKER

AKER PLASTICS COMPANY, INC.
BOX 484 • NORTH OAK ROAD
PLYMOUTH, INDIANA 46563

JERALD E. BRUCE

Gerald E. Bruce
Chief of Division
Factory & Building Inspection

)
)

)
)
)

PROJECT RECORD FORM

ADDRESS

20 Vincennes

NAME

Star Building

DATE

REMARKS

1/4/85

Rough Electrical Inspection
Upon closing the alarm impacts
I noticed a header across the
lower stairs from the second floor.
The height of this header from
the ground is 8' 2" m. and
is required to be 6' 8" by code.
Section R-214.1 Fig R-214

INTER-OFFICE COMMUNICATION

To: PLANS EXAMINERS

MARCH 19, 1981

Date

From: JERALD E. BRUCE, CHIEF OF FACTORY & BUILDING INSPECTION

Subject: PLASTIC PLUMBING UNITS

DEPARTMENT OF INDUSTRIAL RELATIONS, COLUMBUS 15, OHIO

PLASTIC PLUMBING UNITS

The following plastic tubs, showers or wall surrounds have been documented by approved testing laboratory reports to have flame spread ratings not greater than 200 and are hereby approved when properly identified.

1. Swan Corporation - Swan "Tubwal Panels" (70)
2. American Standard - "Designer Line" (85)
3. Universal Rundle - "Double FRP" formerly "U-R Saf-Bac" (46)
4. Corl Corporation - (Bremen, Ind.) - "Corl Glas" (155)
5. American Superior Midwest - "Glass Fiber Reinforced, Insulated Plastic Panels (170)
6. National Homes Corporation - "National Homes Gel Coated Reinforced Plastic Tub Showers" (154)
7. Brunnel Products, Inc. - "Brunnel Product" (190)
8. Owens-Corning Fiberglas Corporation - "Bath Systems 4" (80)

To: RICHARD HAYMAN
Re: PLASTIC PLUMBING UNITS

ENCLOSED PLEASE FIND OUR
LATEST APPROVED LISTING DATED
19 MARCH 1981 FOR PLASTIC
PLUMBING UNITS. THIS COMMUNICATION
SUPERSEDES ALL PREVIOUS LISTINGS,
AND IS THE LATEST SINCE THE
LISTINGS OF 17 DECEMBER 1980 &
2 DECEMBER 1980.

I HOPE THIS IS HELPFUL TO YOU.

SINCERELY,
William B. Delroyd, ARCHITECT

4 JAN. 1985

INTER-OFFICE COMMUNICATION

To: PLAN EXAMINERS Date: DECEMBER 17, 1980

From: JERALD E. BRUCE, CHIEF OF FACTORY & BUILDING INSPECTION

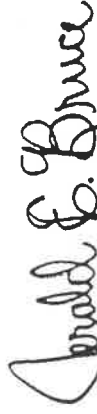
Subject: PLASTIC PLUMBING UNITS

OHIO DEPARTMENT OF INDUSTRIAL RELATIONS, COLUMBUS, OHIO 43216

PLASTIC PLUMBING UNITS

Please disregard the plastic plumbing unit list dated December 2, 1980. Bremen Glas, Inc. (No. 18 on your list) has been deleted from the list. The following plastic tubs, showers or wall surrounds have been documented by approved testing laboratory reports to have flame spread ratings not greater than 200 and are hereby approved when properly identified.

1. Swan Corporation - Swan "Tubwal Panels" (70)
2. American Standard - "Designer Line" (85)
3. Universal Rundle - "Double FRP" formerly "U-R Saf-Bac" (46)
4. Corl Corporation - (Bremen, Ind.) - "Corl Glas" (155)
5. American Superior Midwest - "Glass Fiber Reinforced, Insulated Plastic Panels" (170)
6. National Homes Corporation - "National Homes Gel Coated Reinforced Plastic Tub Showers" (154)
7. Brunnel Products, Inc. - "Brunnel Product" (190)
8. Ownes-Corning Fiberglas Corporation - "Bath Systems 4" (80)
9. Kohler of Kohler-K 1405, K 1406, K 1436 & K 1448 (90)
10. Glas-Tec, Incorporated, Middleburg, Indiana - "Shower Bath Stall Plastic SU" (115)
11. Eljer Plumbingware-Tub & Shower "Granda" "Concept III" Shower Stalls "Aurora" "Brighton" (92)
12. Lasco Industries, Inc. - Gel Coated side for the green units (75)
13. Form-Tec Corporation, Imlay City, Michigan - FRP Tub/Shower Unit (12)
14. Snyder Fiber Glass Co., FRP Tub/Shower Unit (85)
15. Borg-Warner Plumbing Products - FRP Tub/Shower Unit (75)
16. Corl Corporation - (Bremen, Indiana) "FRP Panel" (65)
17. Aqua Glass Corporation - Gel Coated as per report No. 07474
Dated January 5, 1976.
18. Aker Plastics Co., Inc. - Gel coated glass reinforced polyester



Jerald E. Bruce
Chief of Division
Factory & Building Inspection

JEB/cr

