

**EXTERIOR SOLID FUEL EQUIPMENT
PERMIT CHECKLIST**

SHIAWASSEE COUNTY COMMUNITY DEVELOPMENT
201 N. SHIAWASSEE ST.
SURBECK BUILDING, THIRD FLOOR
CORUNNA, MI 48817
PHONE #: 989-743-2396 FAX #: 989-743-2393

ZONING PERMIT

- _____ 1. Completed **Zoning Permit Application** and notarized **Affidavit of Compliance**.
- _____ 2. **Proof of Ownership**: A **recorded** deed or land contract with Liber and Page Number, or a recent tax billing statement that includes a **full legal description**.
- _____ 3. **Plot Plan**: A legible plot plan must include directional arrow, property dimension and all requirements that pertain to the property that are listed on the reverse side of the plot plan and sample.
- _____ 4. **Soil Erosion and Sedimentation Review**: A soil erosion review is required by the State of Michigan through the office of Environmental Health.
(989) 743-2390

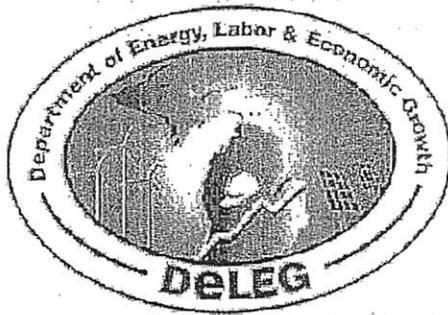
MECHANICAL & ELECTRICAL PERMITS

(Contractors must be registered with the Building Department)

- _____ 1. Completed **Mechanical Permit Application** form. The fees on this permit will vary based on the use of the unit as a water heater for the residence.
- _____ 2. Completed **Electrical Permit Application** form.

EXTERIOR SOLID FUEL EQUIPMENT ZONING REGULATIONS

1. Solid fuel equipment (wood, corn, coal, etc.) referred here as “Outdoor Furnaces” are permitted as an accessory structure and use to single-family residential structures located in the A-1, A-1½, and A-2 zoning districts. All appropriate zoning, building and trade permit are required prior to installation.
2. The Outdoor Furnace shall be listed by the Underwriters Laboratories, Inc. (UL) and shall only utilize fuels as recommended by the manufacturer of the furnace. The use of trash, plastic, gasoline, oil, rubber, garbage, petroleum, treated products, pressure treated wood, leaves, paper products, cardboard, and other materials not recommended by manufacturer or materials that could void the Outdoor Furnace warranty are prohibited and subject to enforcement provisions as set forth in this ordinance.
3. The following setbacks in addition to those required for typical accessory structures are required for locating an Outdoor Furnace on an appropriately zoned property.
 - a. An Outdoor Furnace shall be located no closer than one hundred (100) feet to any residential or commercially zoned or utilized property.
 - b. An Outdoor Furnace shall be located no closer than two hundred (200) feet to any property zoned or used for assembly purposes, including but not limited to schools, churches, or public parks, etc.
 - c. An Outdoor Furnace shall be located no closer than fifty (50) feet to a principal structure on site and no closer than twenty-five (25) feet from an accessory structure as long as such accessory structure is not occupied as a living area.



Working to Create Michigan's Future Today

Michigan Department of Energy, Labor & Economic Growth
Bureau of Construction Codes
P.O. Box 30254
Lansing, Michigan 48909
(517) 241-9302

Bureau of Construction Codes Technical Bulletin

Publication Number 56

Issued: May 7, 2009

Solid Fuel Hydronic Heaters (Outdoor Furnaces)

"Providing for Michigan's Safety in the Built Environment"

Technical bulletins are issued to provide clarification on issues that arise regarding code administration and enforcement. The information provided in the bulletin is developed to promote uniform interpretation and enforcement of the state codes.

DELEG is an equal opportunity employer/program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Solid Fuel Hydronic Heaters "Outdoor Furnaces"

Issue:

Are outdoor furnaces required to be listed and labeled in accordance with the Michigan Mechanical Code Section 301.4 and the Michigan Residential Code Section M1302 when installed?

Discussion:

Outdoor furnaces are actually solid fuel hydronic heaters using a large fire box to heat water in an open reservoir. The hot water is then circulated into the building through an underground pipe system to a heat exchanger in the building and then returned to the reservoir. The hot water is used for space heating, domestic water heating, swimming pool water heating, etc.

The Michigan Residential Code (MRC) Section 1301.1 states that equipment and systems not covered in the MRC must be installed in accordance with the Michigan Mechanical Code (MMC). Section 101.2, scope of the MMC makes it clear that permanently installed mechanical systems utilized to control environmental conditions in buildings are to have the design, installation, and inspection regulated by the code. Section 301.4 of the MMC clearly states that equipment shall be listed and labeled or otherwise approved in accordance with MMC Section 105, which allows the code official to approve equipment in lieu of being listed and labeled.

Given that the subject equipment is a solid fuel burning appliance we would expect to find requirements in chapter 9 of the MMC. However, this type of equipment is not explicitly addressed. Therefore, we must rely on MMC Section 102.9 that allows the code official to establish requirements for mechanical systems not specifically covered, to assure public health, safety, and general welfare.

Listing and labeling is the process where equipment is tested to specific requirements by an independent third party. The third party then lists the equipment and its specifications and provides the manufacturer with a label that coincides with the listing, which is placed on each piece of equipment produced. As an alternative to listing and labeling, the code official may approve the equipment, or the manufacturer may have the equipment approved in accordance with the Stille-DeRossett-Hale Single State Construction Code Act, 1972 PA 230.

Section 21 of 1972 PA 230 allows the Construction Code Commission to issue a Certificate of Acceptability to a material, product, or method of construction or installation. This is done only after the commission has caused the material, product, method of construction, or installation to be tested and evaluated for compliance with the code for its intended use. There is no standard specific to these solid fuel hydronic heaters at this time, but we have found that portions of Standard UL 391, Solid fuel and Combination Fuel Central and Supplementary Furnaces or Standard CSA B366.1-M91 Solid-fuel Central Heating Appliances have been used for the listing and labeling process by some manufacturers.

Therefore, the bureau will use these standards as the basis of approval under the act for this equipment. Any testing or operational verification required by the standards must be conducted by an acceptable third party. This may be an independent testing agency or a licensed design professional. A report documenting how the test or evaluation was completed and the results must be sealed and signed by the design professional in responsible charge in accordance with 1980 PA 299 and submitted with the petition for approval. Once approved by the commission and issued a Certificate of Acceptability, the equipment must be accepted throughout the state.

Conclusion:

Solid Fuel Hydronic Heaters must be listed and labeled, or approved by the code official in accordance with MMC Section 105, or have a Certificate of Acceptability issued by the Construction Code Commission. The Certificate of Acceptability only certifies that the equipment complies with the code and does not preempt local ordinances regulating outdoor burning and the placement of these appliances.

If there are any questions you should contact the Bureau of Construction Codes, Mechanical Division at 517-241-9325. The "Petition Application for Approval of Material, Product, or Method" may be accessed from the bureau website at michigan.gov/bcc/forms/mechanical division.

WORDS FROM DIRECTOR (CONT)

by the Office of Policy and Legislative Affairs and SOAHR, at which point they may ask for additional clarification and information. Final review is made by the Legislative Service Bureau (LSB). Once these reviewing agencies are satisfied, permission is granted to schedule a public hearing. The hearing date, time, and location must be published in three newspapers of general circulation and the Michigan Register not less than 10 days and not more than 60 days prior to the hearing.

A public hearing allows interested parties the opportunity to comment on the codes and rules. Anyone may provide oral or written testimony which becomes part of the record. The public hearing is not a forum for debate. Its purpose is to gather information to assist the department director in making

a final determination about the proposed rule language. The information gathered is incorporated into a report where each issue raised is answered and submitted to SOAHR.

The report and the rules are then submitted to the Joint Committee on Administrative Rules (JCAR). This is a committee composed of five members of the Senate and five members of the House of Representatives. The JCAR has 15 session days to object to the rules. Once the statutory session days have passed, SOAHR will file the rule set with the Secretary of State, Office of the Great Seal. The rules will take effect on the date designated in the rule set. For more information and a schedule of the current committee meetings, visit our website at www.michigan.gov/bcc.

MECHANICAL DIVISION

NEW SOLID FUEL HYDRONIC WATER HEATER TECHNICAL BULLETIN

By Tennison Barry, Chief
Mechanical Division

The bureau has posted a new Technical Bulletin – Publication No. 56, Solid Fuel Hydronic Heaters (Outdoor Furnaces). Outdoor water heaters are actually solid fuel hydronic heaters using a large fire box to heat water in an open reservoir. The hot water is circulated through an underground pipe system to a heat exchanger in the building and then returned to the reservoir.

Technical Bulletin 56 was developed to address how a mechanical inspector can inspect and approve these devices

– basically, walking an inspector through the process. The Michigan Mechanical Code, Section 301.4 requires all equipment be listed and labeled. As an alternative to listing and labeling, the code official may approve the equipment, or the manufacturer may have the equipment approved in accordance with the Stille-DeRossett-Hale Single State Construction Code Act, 1972 PA 230.

Questions should be directed to the Mechanical Division at (517) 241-9325.

SOLID FUEL-BURNING APPLIANCE MISCONCEPTIONS

By Jonathon Paradine, Senior Mechanical Inspector
Mechanical Division

With the price of heating fuels on the rise, many people are turning to solid fuel-burning appliances to heat their buildings. The Mechanical Division has received numerous telephone calls regarding listing, labeling, and installation requirements for the equipment. According to the 2006 Michigan Mechanical Code (MMC), Section 301.4 states, "Appliances regulated by this code shall be listed and labeled for the application in which they are installed and used..." Please refer to Chapter 2 of the 2006 MMC for the proper definitions for listing and labeling.

The 2006 MMC along with the NFPA-211-2006 edition cover the installation requirements for solid fuel-burning appliances. A common misconception is if it is not installed in a building, then no permit or inspections are required. This is not true. Section 101.2 Scope from the MMC states, "This code regulates the design, installation, maintenance, alteration and

inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings. This code shall also regulate those mechanical systems, system components, equipment, and appliances specifically addressed in this code." Therefore, permits and inspections are required.

A question often asked is if a solid fuel-burning appliance can be installed in a garage. The answer is, no, it cannot. The NFPA-211 2006 edition, Section 12.2.4 states, "Solid fuel-burning appliances shall not be installed in any garage." Also Section 12.2.3 states, Solid fuel-burning appliances shall not be installed in any location where gasoline or any other flammable vapors or gases are present."

Additional questions may be directed to the Mechanical Division at (517) 241-9325.

MECHANICAL DIVISION

OUTDOOR SOLID FUEL FIRED HOT WATER FURNACES

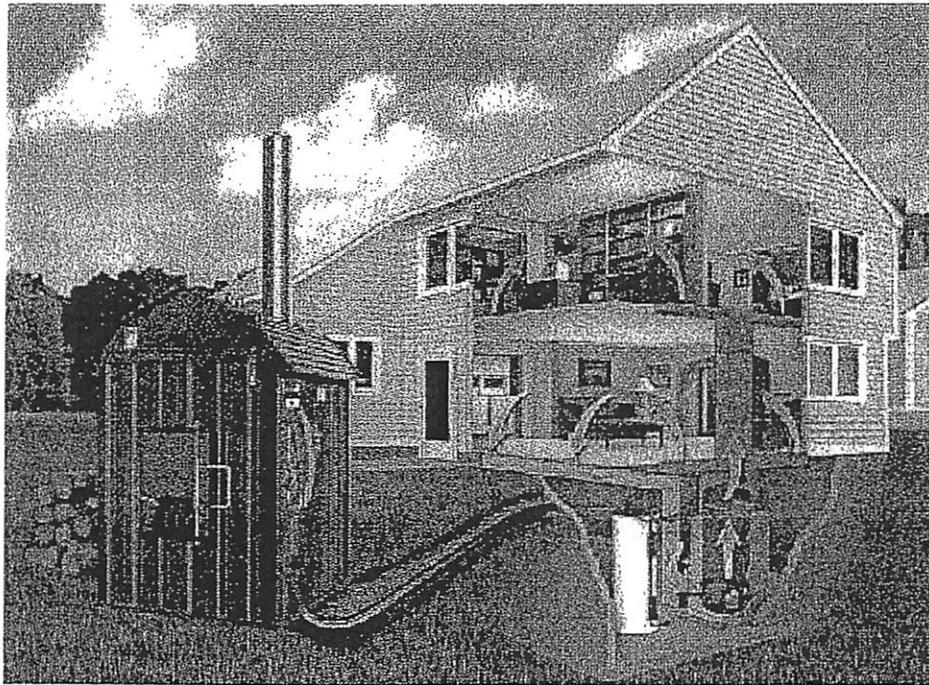
By Dave Adams, Assistant Chief
Mechanical Division

To install an outdoor solid fuel fired hot water furnace, a mechanical permit and inspection are required.

On a state mechanical permit application, the fee chart should indicate an application fee, solid fuel equipment and piping. If more than one inspection is necessary, please mark additional inspections on the application.

Inspectors will check that the equipment is tested and listed for it's use and whether it is installed per the code and installation instructions. The piping and heat exchanger must also be tested and listed for it's use and installed per code and installation instructions.

Please contact the Mechanical Division at (517) 241-9325, if you have any questions.



PLAN REVIEW DIVISION

ACCESSIBILITY PROVISIONS FOR CHILDREN

By Irvin J. Poke, Chief
Plan Review Division

The 2006 International Building Code references the ICC/ANSI A117.1-2003 standard for Accessible and Usable Buildings and Facilities. This updated standard contains requirements to provide accessibility for children. The exceptions in the Michigan Building Code for child fixtures will go away when the 2006 Michigan Building Code is adopted.

It should be noted that these provisions are main streamed by building feature or amenity, and there is not a separate chapter for children's facilities. These requirements apply to features and elements that are primarily for use by children from ages 6 through 12 years. These new provisions shall greatly improve accessibility in day care centers and elementary schools for the primary user.

Questions may be directed to the Plan Review Division at (517) 241-9334.

APPLICATION for a ZONING PERMIT
 Shiawassee County Community Development Department
 Surbeck Building, Third Floor
 201 N. Shiawassee St.
 Corunna, MI 48817
 Phone: (989) 743-2396 • Fax: (989) 743-2393
 Email: comdev@shiawassee.net

App. Date: _____ Receipt # _____ Fee: \$ 40.00 Permit # _____

Review Date: _____ Approved Denied By: _____

Property Address/Location		Applicant (if not Owner)		
Address/Street: _____		Name: _____		
Nearest Cross Rd.: _____		Address: _____		
Township: _____		City/State/Zip: _____		
Parcel Number: _____		Phone: _____		
Zoning District: _____		Fax/Email: _____		
Owner Information		If New Construction or Addition		
Name: _____		Please Attach All That Apply:		
Address: _____		<input type="checkbox"/> Land Division Certificate <input type="checkbox"/> Survey		
City/State/Zip: _____		<input type="checkbox"/> Proof of Ownership		
Phone: _____		<input type="checkbox"/> Septic Permit # _____ Well Permit # _____		
Fax/Email: _____		<input type="checkbox"/> Driveway Permit <input type="checkbox"/> Soil Erosion Permit		
		<input type="checkbox"/> New Address		
Type of Request		Yes	No	For All Applications
<input type="checkbox"/>	Principal Structure			Did you attach a "Site Plan Drawing"?
<input type="checkbox"/>	Accessory Structure			Are you making grade (earth) changes?
<input type="checkbox"/>	Agricultural Structure			Are you creating a pond?
<input type="checkbox"/>	Temporary Structure/Use			Is your project within 500 ft. of surface water?
<input type="checkbox"/>	Demolition Permit			Is your project exclusively for agricultural use?
<input type="checkbox"/>	Sign			Is this site currently violating the Ordinance?
<input type="checkbox"/>	Home Occupation	For Sign Permits Only		
<input type="checkbox"/>	Pond and/or Grading	Type of Business: _____		
<input type="checkbox"/>	Deck or Porch	Total display area in square feet: _____		
<input type="checkbox"/>	Pool	Proposed setback from Right-of-Way: _____		
<input type="checkbox"/>	Private Kennel	Sign height: _____ Sign purpose: _____		
<input type="checkbox"/>	Outdoor Solid Fuel Furnace	Type: <input type="checkbox"/> Pole <input type="checkbox"/> Ground <input type="checkbox"/> Wall <input type="checkbox"/> Other		
<input type="checkbox"/>	Shared Driveway	Height and width of wall: _____		
<input type="checkbox"/>	Buildable Lot Study	Attach Sign drawing showing copy <input type="checkbox"/>		
<input type="checkbox"/>	Hazardous Material Storage			
<input type="checkbox"/>	Other: _____			
Describe Proposed Building or Land Use:				

AFFIDAVIT OF COMPLIANCE

I am the owner of, or the authorized agent of the owner, of the lot (parcel of land) described and shown on the attached site plan. I am familiar with the Shiawassee County Zoning Ordinance, including the related laws listed in Section 16.5.3. I hereby attest based upon my knowledge and belief that this request is complete, in compliance with, and warrants approval under the Shiawassee County Zoning Ordinance of 1999, as amended.

Signature of Applicant

Date

"Affidavit of Compliance"

(As outlined within Section 16.5.3 of the Shiawassee County Zoning Ordinance/June 7, 1999)

I, _____, am the owner of, or the authorized agent of the owner of the lot (parcel of land) described on the attached site plan. I have read and understand the terms of the Affidavit of Compliance as listed below and agree to comply with the following, as applicable:

- A. The Land Division Act, Public Act 288 of 1967, as amended.
- B. The Shiawassee County Health Department Sanitary Code.
- C. The Flood Plain regulations of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 31, as amended.
- D. Michigan Public Health Code, Public Act 368 of 1978, as amended.
- E. Farmland and Open Space Preservation provisions of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 361, as amended.
- F. Wetlands Protection provisions of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 303, Section 324.30301 et.seq., as amended.
- G. Inland Lakes and Streams provisions of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 301, Section 324.30101, et.seq., as amended.
- H. "Miss Dig Law", Act 53, as amended.
- I. Airport Zoning Act, Public Act 23 of 1950, as amended.
- J. State Construction Code Act, Public Act 230 of 1972, as amended.
- K. The Shiawassee County Drain Commission Standard Construction specifications for open and closed drains.
- L. The Shiawassee County Subdivision Control Procedures pursuant to Public Act 288 of 1967, as amended.
- M. The Shiawassee County Soil Erosion and Sedimentation Control Ordinance, and any Applicable regulations of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, Part 91, Section 324.9101 et. seq., as amended.
- N. Michigan Department of Environmental Quality rules for Land Divisions, as amended.
- O. All township or village ordinances that are applicable to the proposed building, structure, or land use.
- P. All other State, Federal, or local laws, rules, or regulations applicable to the proposed building, structure, or use of the property.

Signature of Applicant

Date

STATE OF MICHIGAN)
COUNTY OF SHIAWASSEE)

The foregoing instrument was acknowledged before me this _____ day of _____, 20_____.

Notary Public, _____, MI

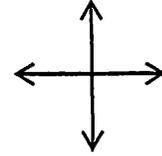
My Commission Expires: _____

SHAWASSEE COUNTY ZONING SITE PLAN GRID

NAME: _____ PROJECT ADDRESS: _____

LOT SIZE: _____ or NUMBER OF ACRES _____.

(SEE REVERSE SIDE FOR INSTRUCTIONS)



(E, N, S, W,)

CENTER LINE OF ROAD

SITE PLAN REQUIREMENTS

1. List Setbacks from all lot lines accurately.
2. Indicate all buildings on site and the distance between them.
3. Show location of all utility lines and distance from current building site.
4. Show location of the Well, Septic Tank and Drain Field.
5. Show location of the Reserve Drain Field.
6. Accurately locate Driveway and give distance from closest lot line.
7. Indicate any unique features of the property, such as drain, ditches or streams, etc. and the distance for the building site.

SAMPLE

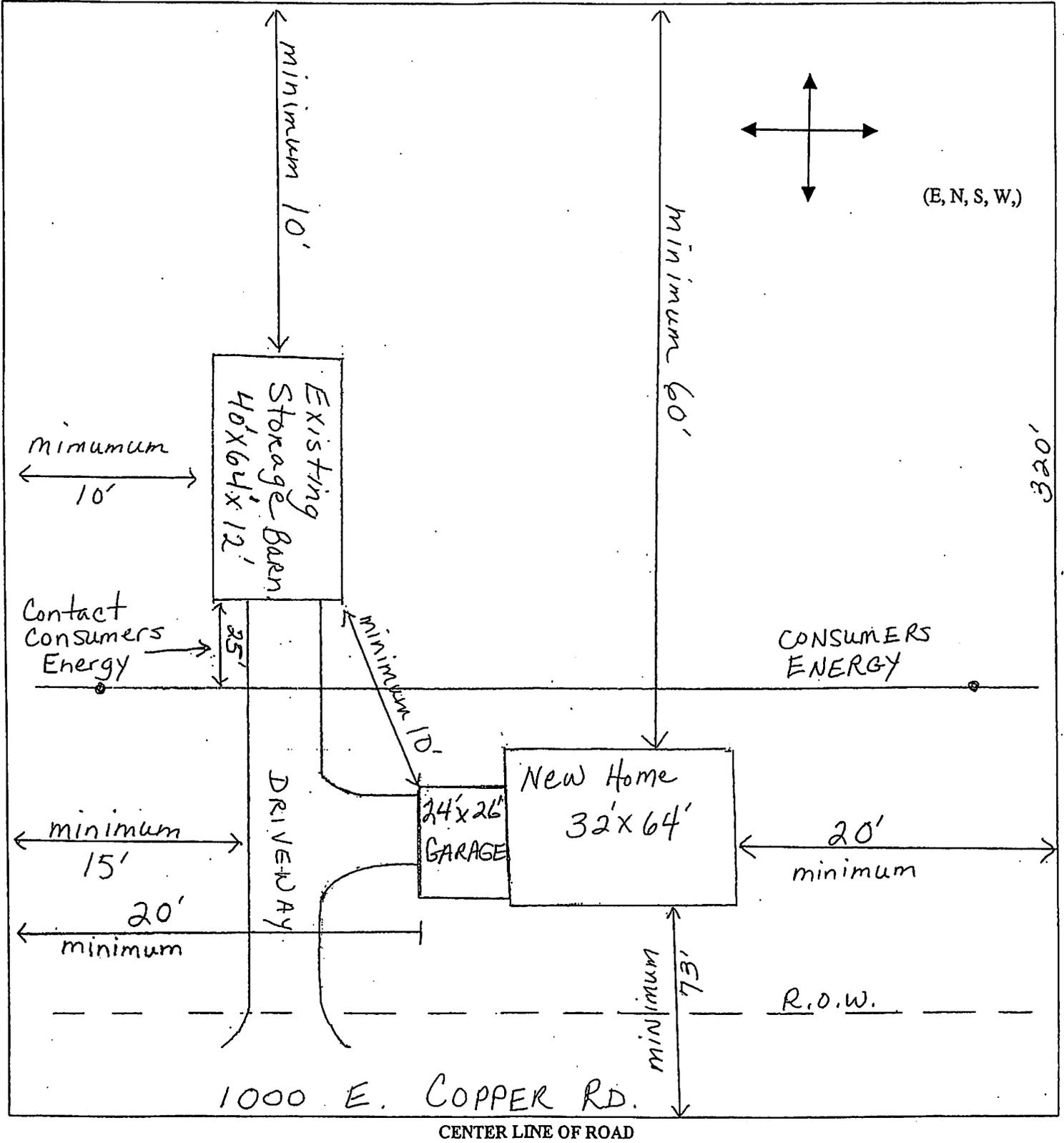
SHIAWASSEE COUNTY ZONING SITE PLAN GRID

NAME John Doe PROJECT ADDRESS 1000 E. COPPER RD.

LOT SIZE 200 x 320 or NUMBER OF ACRES _____

(SEE REVERSE SIDE FOR INSTRUCTOINS)

200'



MECHANICAL PERMIT APPLICATION

SHIAWASSEE COUNTY COMMUNITY DEVELOPMENT Permit # _____

201 NORTH SHIAWASSEE STREET
SURBECK BUILDING - THIRD FLOOR
CORUNNA, MI 48817

Receipt # _____

PHONE: (989) 743-2396 - FAX: (989) 743-2393
INSPECTION LINE: (989) 743-2280

- | | | | |
|---------------------------------------|---------------------------------------|--|-----------------------------------|
| <input type="checkbox"/> NEW CONST | <input type="checkbox"/> FURNACE ONLY | <input type="checkbox"/> PRE-MFD/MOD | <input type="checkbox"/> ACC BLDG |
| <input type="checkbox"/> ADDITION | <input type="checkbox"/> A/C ONLY | <input type="checkbox"/> HUD/MFD/DW | <input type="checkbox"/> L/P ONLY |
| <input type="checkbox"/> ALTER/REPAIR | <input type="checkbox"/> BOILER ONLY | <input type="checkbox"/> SW OR IN A PARK | |

PROJECT DETAILS _____

DO NOT START WORK BEFORE PERMIT IS ISSUED

Incomplete applications will be rejected

Name of Owner:
Address of Job:
Township/Section/Subdivision/Lot:

CONTRACTOR/HOMEOWNER INFORMATION

Applicant:	
Address:	
City/State/Zip:	
Area Code and Phone Number Homeowner:	Contractor:
Federal Employer Identification Number:	
M.E.S.C. Employer Number:	
Workers Compensation/Disability Insurance Carrier:	
License Number, Expiration Date:	

BUILDING DIMENSIONS (Measured in Sq. Feet)	
Dwelling: 1st floor _____	2nd floor _____
Att. Garage: _____	Acc. Bldg.: _____

BUILDING TYPE	
<input type="checkbox"/> Frame	<input type="checkbox"/> Masonry
<input type="checkbox"/> Pole	<input type="checkbox"/> Structured Steel
<input type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Other _____

FOUNDATION	
<input type="checkbox"/> Block	<input type="checkbox"/> Poured Wall
<input type="checkbox"/> Wood	<input type="checkbox"/> Trenched Footing
<input type="checkbox"/> Ratwall	<input type="checkbox"/> Other _____
<input type="checkbox"/> Walkout _____ X	<input type="checkbox"/> Reg./Unfin. _____ X
<input type="checkbox"/> Reg./Fin. _____ X	<input type="checkbox"/> Crawlspace _____ X

NUMBER OF ROOMS	
# of rooms (excluding bathrooms) _____	
# of bathrooms _____	
# of bedrooms _____	

BASEMENT (please note size) _____

HOMEOWNERS AFFIDAVIT: I hereby certify that the mechanical work described above shall be installed by myself in my single family dwelling in which I live or am about to occupy. All work shall be installed in accordance with the Michigan State Mechanical Code and will not be covered, enclosed or put into service until it has been inspected and approved by a Shiawassee County Inspector. I will cooperate with the County and assume all responsibility to arrange for and obtain all necessary inspections. SECTION 23a of the State Construction Codes Act of 1972, Act No. 230 of Public Acts of 1972, being Section 125.1523a of the Michigan Compiled Laws, prohibit a person from conspiring to circumvent the licensing requirements of this State relating to persons who perform work on, or construction of residential buildings.

VIOLATORS OF SECTION 23a ARE SUBJECT TO CIVIL FINES.

EXPIRATION OF PERMIT: A permit remains valid as long as work is progressing and inspections are requested and conducted. A permit shall become invalid if the authorized work is not commenced within six months after issuance of the permit or if the authorized work is suspended or abandoned for a period of six months after the time of commencing the work. A permit will be cancelled when no inspections are requested and conducted within six months of the date of issuance or the date of a previous inspection. Cancelled permits cannot be reinstated.

PERMIT FEES	COST	NO. UNITS	TOTAL
1. Application Fee (non-refundable)	\$ 40.00	1	\$ 40.00
2. Rough Inspection	40.00		
3. Final Inspection	40.00	1	40
4. Burners Under 400,000 BTU's	40.00		
Over 400,000 BTU's	60.00		
5. Solid Fuel Equipment/Water Heater	40.00	1	40
6. Combined Fuel Furnaces	45.00		
7. Solar Equipment (Each Panel)	35.00		
AIR CONDITIONING, REFRIGERATION AND HEAT PUMPS			
8. Air Conditioning Units	35.00		
9. Heat Pumps	40.00		
AIR HANDLERS, SELF-CONTAINED UNITS			
10. Under 1,500 CFM	25.00		
Over 1,500 CFM	50.00		
DEDICATED VENT SYSTEMS			
11. All Fuel Chimney	25.00		
12. Class "B" Vent	20.00		
13. Exhaust Fan - Kit, Bath, Etc.	15.00		
14. Clothes Dryer	15.00		
HEATERS - GAS FIRED, STEAM/HOT WATER			
15. Unit Heater - Boiler	40.00		
16. Infra-Red Heaters	40.00		
17. Pool Heaters	40.00		
DUCT, GAS PIPING & FIRE SUPPRESSION SYS. Based on Bid			
18. Duct System Under \$2,000.00	25.00		
Each additional \$2,000.00	10.00		
19. Duct, Underground Per Inspection	40.00		
20. Gas Piping/Main Lines	25.00		
21. Each Branch Opening	5.00		
22. Hydronic/Process-Piping Main Line:	15.00	1	15
23. Per Floor	250.00		
24. Hydronic Air Handler for Htg.	25.00		
MISCELLANEOUS			
25. Humidifiers	15.00		
26. Electronic Air Cleaner with Washer	15.00		
27. Energy Conservation Device	15.00		
28. Water Heater-Gas, Elect., or Oil Fired	15.00	1	15
29. LPG/Fuel Oil Installation	40.00		
30. Additional Lines	15.00		
31. Evaluation	50.00		
32. Additional Inspection	40.00		
33. Combination Htg./AC	40.00		
TOTAL FEE TO BE PAID			

\$135 OR \$150

APPROVED _____

DATE _____

SIGNATURE OF HOMEOWNER/APPLICANT-LICENSEE _____

RECEIVED
(STAMP HERE)

ELECTRICAL PERMIT APPLICATION

SHIAWASSEE COUNTY COMMUNITY DEVELOPMENT

201 NORTH SHIAWASSEE STREET
 SURBECK BUILDING - THIRD FLOOR
 CORUNNA, MI 48817
 PHONE: (989) 743-2396 - FAX: (989) 743-2393
 INSPECTION LINE: (989) 743-2280

Permit # _____

Receipt # _____

Request # _____

- | | | |
|---------------------------------------|-------------------------------------|--|
| <input type="checkbox"/> NEW CONST | <input type="checkbox"/> SERV. ONLY | <input type="checkbox"/> PRE-MFD/MOD |
| <input type="checkbox"/> ADDITION | <input type="checkbox"/> UPGRADE | <input type="checkbox"/> HUD/MFD/DW |
| <input type="checkbox"/> ALTER/REPAIR | <input type="checkbox"/> ACC. BLDG. | <input type="checkbox"/> SW OR IN A PARK |

PROJECT DETAILS _____

DO NOT START WORK BEFORE PERMIT IS ISSUED

Incomplete applications will be rejected

Name of Owner:
Address of Job:
Township/Section/Subdivision/Lot:

CONTRACTOR/HOMEOWNER INFORMATION

Applicant:	
Address:	
City/State/Zip:	
Area Code and Phone Number	
Homeowner: _____	Contractor: _____
Federal Employer Identification Number:	
M.E.S.C. Employer Number:	
Workers Compensation/Disability Insurance Carrier:	
License Number, Expiration Date:	

BUILDING DIMENSIONS (Measured in Sq. Feet)	
Dwelling: 1st floor _____	2nd floor _____
Att. Garage: _____	Acc. Bldg.: _____

BUILDING TYPE	
<input type="checkbox"/> Frame	<input type="checkbox"/> Masonry
<input type="checkbox"/> Pole	<input type="checkbox"/> Structured Steel
<input type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Other _____

FOUNDATION	
<input type="checkbox"/> Block	<input type="checkbox"/> Poured Wall
<input type="checkbox"/> Wood	<input type="checkbox"/> Trenched Footing
<input type="checkbox"/> Ratwall	<input type="checkbox"/> Other _____
<input type="checkbox"/> Walkout _____ X	<input type="checkbox"/> Reg./Unfin. _____ X
<input type="checkbox"/> Reg./Fin. _____ X	<input type="checkbox"/> Crawlspace _____ X

NUMBER OF ROOMS	
# of rooms (excluding bathrooms) _____	
# of bathrooms _____	
# of bedrooms _____	

BASEMENT (please note size)

PERMIT FEES	COST	NO. UNITS	TOTAL
1. Application Fee (non-refundable)	\$ 40.00	1	\$ 40.00
2. Rough Inspection	40.00		
3. Final Inspection	40.00	1	40
4. Grounding Inspection	40.00		
5. Service through 200 Amp.	40.00		
6. Over 200 Amp.	45.00		
7. Sub-Panel-Indoor	50.00		
8. Acc. Bldg. - UG/From House	60.00		
9. Smoke Detectors (ea)	5.00		
10. # of Circuits (ea)	7.00	1	7
11. Lighting Fixtures (per 25)	10.00		
12. Furnace - Unit Heater or A.C.	10.00		
13. Electrical Baseboard (ea)	10.00		
14. Power Outlets (ranges, dryers, etc.)	10.00		
15. Dishwasher, Garbage Disposal, etc. (ea)	10.00		
KVA and H.P. RATED EQUIPMENT			
16. Units up to 20 K.V.A. and H.P.	15.00		
17. Units 21 to 50 K.V.A. or H.P.	20.00		
18. Units 51 K.V.A. or H.P. and over	25.00		
MISCELLANEOUS			
19. Special/Safety Inspection	40.00		
20. Additional Inspection	40.00		
21. Evaluation	50.00		
TOTAL FEE TO BE PAID			

B 87
**PLAN REVIEW REQUIRED FOR HOMES WITH OVER 400 AMP. SERVICE
 +/OR HAVE 3500 SQ. FT.**

HOMEOWNERS AFFIDAVIT: I hereby certify that the electrical work described above shall be installed by myself in my single family dwelling in which I live or am about to occupy. All work shall be installed in accordance with the Michigan State Electrical Code and will not be covered, enclosed or put into service until it has been inspected and approved by a Shiawassee County Inspector. I will cooperate with the County and assume all responsibility to arrange for and obtain all necessary inspections. SECTION 23a of the State Construction Codes Act of 1972, Act No. 230 of Public Acts of 1972, being Section 125.1523a of the Michigan Compiled Laws, prohibit a person from conspiring to circumvent the licensing requirements of this State relating to persons who perform work on, or construction of residential buildings.

VIOLATORS OF SECTION 23a ARE SUBJECT TO CIVIL FINES.

EXPIRATION OF PERMIT: A permit remains valid as long as work is progressing and inspections are requested and conducted. A permit shall become invalid if the authorized work is not commenced within six months after issuance of the permit or if the authorized work is suspended or abandoned for a period of six months after the time of commencing the work. A permit will be cancelled when no inspections are requested and conducted within six months of the date of issuance or the date of a previous inspection. Cancelled permits cannot be reinstated.

APPROVED _____ DATE _____

SIGNATURE OF HOMEOWNER/APPLICANT-LICENSEE _____

RECEIVED
(STAMP HERE)