## **CODES AND REGULATORY AGENCIES**

### **Introduction**

The University of Michigan is a State of Michigan constitutional corporation, governed by a Board of Regents elected by the People of the State of Michigan and has a great deal of regulatory autonomy. It is exempt from local building and zoning ordinances and subject to State of Michigan laws and regulations that are clearly intended to apply to universities. In lieu of local building ordinances and State of Michigan laws and regulations that do not apply at the University, the University chooses to require that new construction adhere to a number of well-established building codes and standards, as listed in this Section.

Regardless of origin or enforcing agency, all of the applicable building codes and standards listed below are to be followed. Note, for instance, that compliance with the State of Michigan Bureau of Fire Safety rules for schools and/or dormitories does not eliminate the need to also comply with the Michigan Building Code, and that compliance with the 2010 Americans with Disabilities Act does not eliminate the need to comply with the barrier free provisions of the Michigan Building Code. Additional codes may apply for particular situations, such as for Medical Center construction; these are to be considered on the case-to-case basis. Many times adherence to narrow scope codes and/or standards is required by the general codes listed below.

New editions of building codes are published from time to time. For each project, the edition of building codes cited in this section form which the University of Michigan is listed as the "Enforcing Agency" is to be as follows:

The edition of building codes is to be as listed in this section as of the beginning of the design development phase of a project unless construction documents are submitted to the University for final review more than a year after adoption of the new version of the code. If more than one year transpired between adoption of the new code and submission of construction documents to the University for final review, the edition of the building codes listed in this section as of submission of construction documents applies.

The University employs building inspectors, who are the authority having jurisdiction for mechanical and electrical work on all University property.

For University of Michigan Hospitals and Health Centers projects refer to the University of Michigan Hospital Design Guidelines Codes and Regulatory Agencies. Web site:http://www.med.umich.edu/facilities/planningdevelopment/ae/dg/doc/spe/SID-F-H.pdf

#### BUILDING CODES FOR UNIVERSITY OF MICHIGAN CONSTRUCTION

<u>Michigan Building Code 2009 (adopted March 9, 2011)</u> promulgated by the State of Michigan Department of Licensing and Regulatory Affairs Bureau of Construction Codes. Including rule 408.30401 Rule 401 as printed on the interior cover of the Michigan Building Code.

By local rule, the following exceptions/modifications are applied to the Michigan Building Code article 716.5.3, article 907.5.2.3.4, and article 1008.1.9.10:

Article 716.5.3 add exception number 6:

Exception 6. In other than I or H occupancies or University of Michigan Hospitals and Health Center owned and/or occupied facilities, when equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, smoke dampers are not required at shaft enclosures unless specifically required by other sections of the code. Instead, provide smoke dampers at locations and to function as prescribed in the 2009 edition of NFPA 90A - 'Standard for the Installation of Air-Conditioning and Ventilating Systems'.

Article 907.5.2.3.4 Group R-2 reference the following interpretation of the use of the word "capability":

In the sentence "all dwelling units shall be provided with the capability to support visible alarm notification appliances...". Capability of the fire alarm system shall be addressed by the spare capacity already required in all U of M fire alarm circuits and fire alarm panels. This spare capacity in the circuits (raceways, and installed conductoring), shall be available immediately after the fire alarm system is commissioned. The spare capacity at the panel, may be in the form of power supplies sized for the expansion, and/or in the form of sufficient (spare) mounting space in the panel for the additionally needed power supplies. Refer to U of M Design Guideline and master specifications for spare capacity requirements.

Article 1008.1.9.10 add the following:

"Exception 4. In existing buildings, selected doors on stair enclosures shall be permitted to be equipped with hardware that prevents reentry into the interior of the building, provided that egress is maintained and:

- (a) There are at least two levels where it is possible to leave the stair enclosure; and
- (b) There are not more than four stories intervening between stories where it is possible to leave the stair enclosure; and
- (c) Reentry is possible on the top or next to top story permitting access to another exit; and
- (d) Doors permitting reentry are identified as such on the stair side of the door; and
- (e) Doors not permitting reentry shall be provided with a sign on the stair side indicating the location of the nearest door, in each direction of travel, permitting reentry or exit.
- (f) Doors that prevent reentry from the stair must be capable of being unlocked simultaneously without unlatching upon a signal from the fire command center, if present, or a signal by emergency personnel from a single location inside the main entrance to the building

Chapter 32 Encroachments into the Public Right of Way: Within the public right of way adhere to City of Ann Arbor standards and specifications refer to the following web site for requirements: <a href="http://www.a2gov.org/government/publicservices/project\_management/privatedev/Pages/StandardSpecificationsBook.aspx">http://www.a2gov.org/government/publicservices/project\_management/privatedev/Pages/StandardSpecificationsBook.aspx</a>

The following regulations take precedence over conflicting requirements in the Michigan Building Code:

Chapter 13 Energy Efficiency comply with ASHRAE Standard 90.1 2007 – Effective February 1, 2009.

State of Michigan Elevator Code.

State of Michigan Mechanical Code 2009 and Michigan Plumbing Code 2009.

State of Michigan Electrical Code incorporating "NFPA 70 -- National Electrical Code", 2008 edition with University of Michigan modifications.

"NFPA 13 2007 -- Sprinkler Systems".

"NFPA 45 2004-- Fire Protection for Laboratories Using Chemicals".

"NFPA 72 -- National Fire Alarm Code", 2007 edition with University of Michigan modifications.

"Guide for Care and Use of Laboratory Animals" promulgated by US Dept of Health & Human Services.

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

**Enforcing Agency for Barrier Free** -- State of Michigan Department of Licensing and Regulatory Affairs Bureau of Construction Codes. Variances from barrier free design provisions must be requested of the Barrier Free Design Board once approved by the University of Michigan Architecture, Engineering and Construction for submission.

Web site for Michigan Barrier Free Design Board: <a href="http://www.michigan.gov/lara/0,4601,7-154-35299\_10575\_17394\_17569-46778--">http://www.michigan.gov/lara/0,4601,7-154-35299\_10575\_17394\_17569-46778--</a>,00.html

<u>Michigan Residential Code 2009 (adopted March 9, 2011)</u> promulgated by the State of Michigan Department of Licensing and Regulatory Bureau of Construction Codes. Including Rule R408.30401 Rule 401 as printed on the interior cover of the Michigan Residential Code.

**Enforcing Agency** -- University of Michigan Architecture, Engineering and Construction.

**2010 ADA Standards for Accessible Design (adopted March 9, 2011)** as required to comply with Section 504 of US Rehabilitation Act of 1973 Title II of Americans with Disabilities Act of 1990 and updated September 15, 2010. Also note that the University maintains a space-by-space database of non-compliance. Contact Architecture, Engineering and Construction for database information. Notice of corrections are to be reported to Architecture, Engineering and Construction for the purpose of updating the database.

State and local government facilities must follow the requirements of the 2010 Standards, including both the Title II regulations at 28 CFR 35.151; and the 2004 ADAAG at 36 CFR part 1191, appendices B and D. In the few places where requirements between the two differ, the requirements of 28 CFR 35.151 prevail.

**Enforcing Agency** -- All federal agencies (on complaint basis) for U.S. Rehabilitation Act of 1973, U.S. Department of Justice and Architectural and Transportation Barriers Compliance Board (on complaint basis) for Americans with Disabilities Act.

Web site for 2010 ADA: <a href="http://www.ADA.gov">http://www.ADA.gov</a>

State of Michigan Dormitory Fire Safety Rules for Schools, Colleges and Universities (filed December 21, 1999) promulgated by the State of Michigan Bureau of Fire Services (incorporating by reference NFPA 101 – Life Safety Code 1997). Note that this standard applies only to fire compartments of buildings which contain dormitories. A listing of Ann Arbor campus buildings that contain dormitory space is included at the end of this section.

## **Enforcing Agency --**

State of Michigan Department of Licensing and Regulatory Affairs Bureau of Fire Services, Fire Safety Plan Review Division 525 W Allegan 4<sup>th</sup> Floor Lansing, MI. 48913-0001 (517) 241-8847 Administrative rules web site:

http://www7.dleg.state.mi.us/orr/Files/AdminCode/965\_2011-003LR\_AdminCode.pdf

Application forms under Bureau Fire Services:

http://www.michigan.gov/documents/dleg bccfs plrvwinsp 87149 7.pdf

State of Michigan Fire Safety Rules for Schools, Colleges and Universities (filed July 14, 1989) promulgated by the State of Michigan Bureau of Fire Services (incorporating by reference NFPA 101 – Life Safety Code 1997). Note that this standard applies only to fire compartments of buildings which contain instructional space (classrooms and/or instructional laboratories). A listing of Ann Arbor campus buildings that contain instructional space is included at the end of

this section.

#### **Enforcing Agency --**

State of Michigan Department of Licensing and Regulatory Affairs Bureau of Fire Services, Fire Safety Plan Review Division 525 W Allegan 4<sup>th</sup> Floor Lansing, MI. 48913-0001 (517) 241-8847

http://www7.dleg.state.mi.us/orr/Files/AdminCode/964 2011-002LR AdminCode.pdf

Application forms under Bureau of Fire Services:

Administrative rules web site:

http://www.michigan.gov/documents/dleg bccfs plrvwinsp 87149 7.pdf

State of Michigan Human Services for Child Care in a Child Care Center promulgated by the State of Michigan Human Services. Note that this standard applies only to fire compartments of buildings which contain child care centers. A listing of Ann Arbor campus buildings that contain Child Care Centers is included at the end of this section.

#### **Enforcing Agency --**

State of Michigan Department of Human Services PO Box 30759 Lansing, MI. 48909-8150 (517) 241-2488

Administrative rules:

## http://www.michigan.gov/documents/dhs/BCAL-PUB-0008 241660 7.pdf

State of Michigan Department of Licensing and Regulatory Affairs Bureau of Fire Services, Child Care Section 300 N. Washington Square, 4<sup>th</sup> Floor Lansing, MI. 48913

Application form for Child Care Plan Review:

http://www.michigan.gov/documents/cis/BFS13\_child\_care\_app1\_172799\_7.pdf

## Michigan Rehabilitation Code for Existing Buildings 2009 (adopted March 9,

**2011)** promulgated by the State of Michigan Department of Licensing and Regulatory Affairs Bureau of Construction Codes. Including Rule R408.30551 Rule 551 and R408.30552 Rule 552 as printed on the interior cover of the Michigan Rehabilitation Code for Existing Buildings.

**Enforcing Agency** -- University of Michigan Architecture, Engineering and Construction.

State of Michigan Occupational Safety and Health Standards (MIOSHA) (filed many different dates) Contact U of M Department of Occupational Safety and Environmental Health for projects involving toxic and/or hazardous materials.

Additional information is at web site: <a href="http://www.oseh.umich.edu/pdf/guideline/guide\_ep002.pdf">http://www.oseh.umich.edu/pdf/guideline/guide\_ep002.pdf</a> **Enforcing Agency**--

Michigan Department of Licensing and Regulatory Affairs MIOSHA
P.O. Box 30643
Lansing, MI 48909
(517) 322-1814

Web Site: <a href="http://www.michigan.gov/lara/0,4601,7-154-11407\_15368---">http://www.michigan.gov/lara/0,4601,7-154-11407\_15368---</a>,00.html

<u>United States Occupational Safety and Health Standards (OSHA)</u> (filed many different Dates), which is Title 29 Part 1910 of the Code Federal Regulations. Contact UM Department of Occupational Safety and Environmental Health for projects involving toxic and/or hazardous materials.

**Enforcing Agency** -- United States Department of Labor.

#### **State of Michigan Elevator Code** (Adopted June 21, 2010)

(incorporating by reference the 2007 edition of ANSI A17.1– Safety Code for Elevators and Escalators and the safety rules for platform lifts and stairway chair lifts ASME A18.1 -2008, the safety code standard for inspection of elevator, escalators, and moving walks ASME A17.2 – 2007, the safety code standard for belt manlifts, ASME A90.1-2003, and the American National Standards Institute ANSI A10.4-2007 for personnel hoists and employee elevators for construction and demolition operations.)

#### **Enforcing Agency --**

State of Michigan Department of Licensing and Regulatory Affairs Bureau of Construction Codes Elevator Safety Division Calvin W. Rogler, Chief Elevator Inspector PO Box 30254 Lansing, MI. 48909 (517) 241-9337

Refer to Design Guidelines for additional requirements on Elevators.

Web site for State of Michigan Elevator codes:

http://www.michigan.gov/lara/0,4601,7-154-35299\_10575\_17394\_17420---,00.html

State of Michigan Mechanical Code 2009 Part 9a Mechanical Code Rules (Adopted Oct 21, 2010) (incorporating International Mechanical Code 2009 and Michigan amendments) promulgated by State of Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes.

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

Web site for Part 9a:

http://www.michigan.gov/documents/dleg/dleg\_bcc\_2009\_008lg\_mechanical\_code\_rules\_31 1916\_7.pdf

State of Michigan Plumbing Code 2009 Part 7 Plumbing Code Rules (Adopted Aug 20, 2010) (Incorporating International Plumbing Code 2009 and Michigan amendments) promulgated by State of Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes.

By local rule the following modifications are applied to the Michigan Plumbing Code article 607.1:

607.1 (2) (h): A 1070 mixing valve is permitted to control up to 5 accessible plumbing fixtures within the same room, The 1070 mixing valve shall be certified for a minimum flow rate of 1/2 GPM or less.

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

Web site for Part 7:

http://www.michigan.gov/documents/dleg/dleg bcc 2009 007lg plumbing code rules 303871 7.pdf

<u>NFPA 13 – 2007 Sprinkler Systems.</u> The 1996 edition of NFPA 13 is incorporated by reference in the edition of NFPA 101 incorporated by the current State of Michigan Bureau of Fire Services rules for Schools, Colleges, Hospitals, and Universities. The Bureau of Construction Codes and Fire Safety permits use of more current versions of NFPA 13 with some limitations. Contact the Bureau of Fire Services for specifics.

### **Enforcing Agency --**

Project jurisdiction NFPA 101: State of Michigan Department of Licensing and Regulatory Affairs Bureau of Fire Services, Plan Review/Fire Safety 300 N. Washington Square Lansing, MI. 48913 (517) 241-8847

Project jurisdiction MBC: University of Michigan Architecture, Engineering and Construction

<u>NFPA 99C – Gas and Vacuum Systems (2005 edition):</u> 99C Gas and Vacuum Systems contains the rules related to gas and vacuum piping systems from the NFPA 99

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

State of Michigan Electrical Code 2008 Part 8 Electrical Code Rules (incorporating NFPA 70 – National Electrical Code (2008 edition) and Michigan amendments (adopted January 1, 2010) By local rule the following exceptions/modifications are applied to the Michigan Electrical Code:

Article 80: Article 80 of the Michigan Electrical Code does not apply.

Article 695.3: The requirements for power to electrically driven fire pumps, and the requirements for 'reliable power' will be determined by the University's High Voltage Engineer, on a case-by-case basis.

Articles 700.27 and 701.27: The University may deviate from full selectivity (coordination of emergency generator distribution systems in order to lower arc-flash energy levels for worker safety. All such deviations from full selectivity will be designed by, and reviewed by, registered professional engineers.

"Article 110.26©(3): The words "less than 7.6 m (25 ft) from the nearest edge of the working space" shall be deleted from this paragraph. The working space egress doors (the first door on each egress path) from equipment rated 1200 amps or more shall open outward and be equipped with a panic bar, even if it is 25 feet or more away."

"Article 310.15(B)(2)(c) and Table 310.15(B)(2)(c): The requirement for adjusting the ampacities of conductors in conduits exposed to sunlight on rooftops shall not be applied."

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

Web site for Part 8:

http://www.michigan.gov/documents/dleg/dleg\_bcc\_electrical\_code\_rules\_part8\_2008\_print\_ver\_sion\_295688\_7.pdf

#### NFPA 72 – National Fire Alarm Code with Appendix E (2007 edition)

The 1996 edition of NFPA 72 is incorporated by reference in the edition of NFPA 101 incorporated by the current State of Michigan Bureau of Fire Services Administrative Rules for New and Existing School, College, and University Fire Safety and Dormitory Fire Safety. The

Bureau of Fire Services allows the use of new versions of NFPA 72 with some limitations. Contact the Bureau of Fire Services for specifics

## **Enforcing Agency --**

Project jurisdiction NFPA 101: State of Michigan Department of Licensing and Regulatory Affairs Bureau of Fire Services, Plan Review/Fire Safety 300 N. Washington Square Lansing, MI. 48913 (517) 241-8847

By local rule, smoke detectors that initiate an elevator recall are not to be connected to the fire alarm system. By local rule, smoke and heat detectors are not required above suspended ceilings.

## **Enforcing Agency –**

Project jurisdiction MBC: University of Michigan Architecture, Engineering and Construction

<u>Guide for the Care and Use of Laboratory Animals</u> 8<sup>th</sup> Edition 2011 effective January 1 2012, promulgated by United States Department of Health and Human Services. Regulations of the Federal Animal Welfare Act 9, CFR Parts 1, 2 and 3.

Enforcing Agency -- University of Michigan Unit for Laboratory Animal Medicine.

Web site for the Guide for the Care and Use of Laboratory Animals 8<sup>th</sup> edition 2011: http://grants.nih.gov/grants/olaw/Guide-for-the-Care-and-Use-of-Laboratory-Animals.pdf

Web site for Federal Animal Welfare Act 9 CFR:

Parts 1 and 2: <a href="http://awic.nal.usda.gov/final-rules-animal-welfare-9-cfr-parts-1-and-2">http://awic.nal.usda.gov/final-rules-animal-welfare-9-cfr-parts-1-and-2</a>
Part 3: <a href="http://awic.nal.usda.gov/final-rules-animal-welfare-9-cfr-parts-3">http://awic.nal.usda.gov/final-rules-animal-welfare-9-cfr-parts-1-and-2</a>

Refer to "Animal Facilities Design Criteria and Special Requirements" contained in The University of Michigan Design Guidelines.

State of Michigan Rules for Soil Erosion & Sedimentation Control Promulgated by the State of Michigan Department of Environmental Quality (MDEQ) Soil Erosion and Sedimentation Control Part 91 of Public Acts 451 of 1994 as amended. The University of Michigan Occupational Safety and Environmental Health (OSEH) department is approved by the MDEQ as an 'Authorized Public Agency' to enforce the soil erosion and sedimentation control on University of Michigan property. Refer to University of Michigan Design Guidelines Section 2 - Soil Erosion and Sedimentation Control for additional requirements.

#### **Enforcing Agency** —

University of Michigan OSEH Environmental Protection and Permitting Program (EP<sup>3</sup>) 1239 Kipke Ann Arbor, MI. 48109-1010 (734) 936-1920

#### Corresponding web site —

Soil Erosion and Sedimentation Control: http://www.oseh.umich.edu/environment/soil.shtml

#### **State of Michigan Issued NPDES Permit**

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq; the "Federal Act"), Michigan Act 451, Public Acts of 1994, as amended (the "Michigan Act"), Parts 31 and 41, and Michigan Executive Orders 1991-31, 1995-4 and 1995-18, The University of Michigan (UM) is authorized to discharge storm water from the municipal separate storm water drainage systems operated by the UM in various locations in Michigan, and designated as UM MS4 in accordance with the conditions set forth in UM's National Pollutant Discharge Elimination System (NPDES) permit with the State of Michigan, Department of Environmental Quality (MDEQ).

Per the NPDES permit, projects that disturb greater than one acre of land must meet certain post-construction storm water management requirements. Contact OSEH EP3 ASAP at the beginning of a project to discuss this requirement.

Please note that the City of Ann Arbor may also require post construction storm water management, above what is required by the University's NPDES permit, including areas disturbing less than 1 acre. This will be between the City and the Project, with input and coordination from OSEH and the University Planner.

#### **Coordinating Agency** —

University of Michigan OSEH Environmental Protection and Permitting Program (EP³) 1239 Kipke Dr. Ann Arbor, MI. 48109-1010 (734) 936-1920

### Corresponding Guideline —

Storm Water Management – Post-Construction

Requirements: http://www.oseh.umich.edu/pdf/guideline/guidePCSW.pdf

#### **Enforcing Agency** —

Michigan Department of Environmental Quality Jackson State Office Building 301 E. Louis Glick Highway <sup>th</sup> Floor, Jackson, MI 49201 517-780-7929

MDEO Web Site: http://www.michigan.gov/deq/0.4561,7-135-3313 3682 3716---,00.html

### State of Michigan Contaminated Soil and Groundwater

In compliance with Michigan Public Act 451, Part 201 (Environmental Remediation) owners/operators of properties where soil or groundwater is present above Part 201 Generic Residential Criteria have due care requirements. Due Care requirements include undertaking

measures as necessary to prevent exacerbation of existing contamination, undertaking response activities to mitigate unacceptable exposures to contamination, taking reasonable precautions against the reasonably foreseeable acts or omissions of a third party, complying with any land use or resource use restrictions, and not impeding with the effectiveness or integrity of such restrictions.

Contact OSEH EP3 ASAP at the beginning of a project to discuss any known contamination, recommended assessments, scheduling, compliance requirements, and budget development to evaluate possible contamination or manage known contamination.

Coordinating Agency--University of Michigan OSEH Environmental Protection and Permitting Program (EP3) 1239 Kipke Dr. Ann Arbor, MI. 48109-1010 (734) 936-1920

Enforcing Agency--Michigan Department of Environmental Quality Remediation Division P.O. Box 30426 Lansing, MI 48909-7926 517-335-6843

MDEQ Web Site: http://www.michigan.gov/deq/0,4561,7-135-3311\_4109---,00.html

## State of Michigan Leaking Underground Storage Tanks

In compliance with Michigan Public Act 451, Part 213 (Leaking Underground Storage Tanks) owners/operators of underground storage tanks have requirements during the removal of underground storage tank systems to evaluate if a release to the environment has occurred. Tank removal contractors are typically obtained and managed by U-M OSEH.

Contact OSEH EP3 ASAP at the beginning of a project to discuss any tank removals, recommended assessments, scheduling, compliance requirements, and budget development.

Coordinating Agency--University of Michigan OSEH Environmental Protection and Permitting Program (EP3) 1239 Kipke Dr. Ann Arbor, MI. 48109-1010 (734) 936-1920

Enforcing Agency--Michigan Department of Environmental Quality Remediation and Redevelopment Division P.O. Box 30426 Lansing, MI 48909-7926 517-335-1104

MDEO Web Site: http://www.michigan.gov/deq/0.1607,7-135-3311 4109 4215---.00.html

## **State of Michigan Underground Storage Tanks (UST)**

In compliance with Michigan Public Act 451, Part 211 (Underground Storage Tank Rules), Michigan Underground Storage Tank Rules, and/or Storage and Handling of Flammable and Combustible Liquids Rules the owners/operators of underground ground storage tanks have requirements for the design, construction, installation, maintenance, and removal of tank systems.

Contact OSEH EP3 ASAP at the beginning of a project to discuss tank plans, scheduling, compliance requirements, and budget development.

Coordinating Agency--University of Michigan OSEH Environmental Protection and Permitting Program (EP3) 1239 Kipke Dr. Ann Arbor, MI. 48109-1010 (734) 936-1920

Enforcing Agency-Michigan Department of Licensing and Regulatory Affairs
Bureau of Fire Services
Storage Tank Division
P.O. Box 30426
Lansing, MI 48909-7926
517-373-9837

BFS UST Web Site: http://www.michigan.gov/lara/0,4601,7-154-35299\_42271\_4115\_4238---.00.html

## State of Michigan Aboveground Storage Tanks (AST)

In compliance with Michigan Public Act 207, Parts 2 through 5 of the rules the Aboveground Storage Tank (AST) Program regulates the following:

- storage and handling of flammable and combustible liquids with flash point less than 200 degrees Fahrenheit.
- storage and handling of liquefied petroleum gases
- compressed natural gas vehicular systems

The regulatory authority is from the Fire Prevention Code, 1941 PA 207, as amended.

Contact OSEH EP3 ASAP at the beginning of a project to discuss tank plans, scheduling, compliance requirements, and budget development.

Coordinating Agency--University of Michigan OSEH Environmental Protection and Permitting Program (EP3) 1239 Kipke Dr. Ann Arbor, MI. 48109-1010 (734) 936-1920

Enforcing Agency--Michigan Department of Licensing and Regulatory Affairs Bureau of Fire Services Storage Tank Division P.O. Box 300700 Lansing, MI 48909 517-373-7211

Michigan AST Web Site http://www.michigan.gov/lara/0,4601,7-154-35299\_42271\_4115\_4237---,00.html

### **Emergency Generators**

Pending on size, fuel usage, status, reciprocating internal combustion engines are regulated per the Environmental Protection Agency and MDEQ. There are design requirements, potential permit requirements, maintenance/recordkeeping requirements and initial notification that need to be met and submitted within 120 days of start up.

Contact OSEH EP3 ASAP at the beginning of a project to discuss plans, scheduling, compliance requirements, and budget development.

Coordinating Agency--University of Michigan OSEH Environmental Protection and Permitting Program (EP3) 1239 Kipke Dr. Ann Arbor, MI. 48109-1010 (734) 936-1920

Enforcing Agencies--Michigan Department of Environmental Quality Air Quality Division Lansing, MI 48909-7926

Environmental Protection Agency Air and Radiation Division Chicago, IL

MDEQ Website (RICE): <a href="http://www.michigan.gov/deq/0,4561,7-135-3310\_4148-254013--,00.html">http://www.michigan.gov/deq/0,4561,7-135-3310\_4148-254013--,00.html</a>

### **Chemical Storage**

Per the MI Part 5 Rules, Spillage of Oil and Polluting Materials, 1994 PA 451, R 324.2001 to R 324.2009, requires secondary containment and Pollution Incident Prevention Plan if bulk salt, chemical, or oil storage exceeds the threshold management quantity.

Contact OSEH EP3 ASAP at the beginning of a project to discuss plans, scheduling, compliance requirements, and budget development.

Coordinating Agency--University of Michigan OSEH Environmental Protection and Permitting Program (EP3) 1239 Kipke Dr. Ann Arbor, MI. 48109-1010 (734) 936-1920 Enforcing Agencies— Michigan Department of Environmental Quality Water Division Lansing, MI 48909-7926

MDEQ Website: http://www.michigan.gov/deq/0,4561,7-135-3313\_23420---,00.html

## BUILDINGS STANDARDS FOR UNIVERSITY OF MICHIGAN CONSTRUCTION THAT ARE REQUIRED FOR SUBSEQUENT LICENSING OF THE FACILITY

## **State of Michigan Rules for Construction or Renovation of Food Service Facilities**

Promulgated by the State of Michigan Department of Agriculture and Rural Development (Food and Dairy Division). Act 92, Food Law which incorporates by reference chapters 1 through 8 of the 2009 Michigan Modified Food and Drug Administration Food Code. Visit the University of Michigan Department of Occupational Safety and Environmental Health website <a href="http://www.oseh.umich.edu/food/planreview.shtml">http://www.oseh.umich.edu/food/planreview.shtml</a> for instruction sheet information and a copy of the Plan Review Packet and Worksheet that must be completed prior to starting a project. The University of Michigan Occupational Safety and Environmental Health (OSEH) Department is the enforcing agency with authorization provided by the Washtenaw County Environmental Health Department.

## **Enforcing Agency** —

University of Michigan OSEH Industrial Hygiene and Safety 1239 Kipke Ann Arbor, MI. 48109-1010 (734) 647-1142

## State of Michigan Rules for Construction or Renovation of Swimming Pools

Promulgated by the State of Michigan Department of Environmental Quality (Water Division). Michigan's Public Health Code, <u>Public Act 368 of 1978</u>, <u>Part 125</u>. Contact University of Michigan Department of Occupational Safety and Environmental Health for information. The University of Michigan Occupational Safety and Environmental Health (OSEH) Department is the enforcing agency with authorization provided by the Washtenaw County Environmental Health Department.

## **Enforcing Agency** —

University of Michigan OSEH Industrial Hygiene and Safety 1239 Kipke Ann Arbor, MI. 48109-1010 (734) 647-1142

Also see 15010 "Basic Mechanical Requirements" for additional codes and standards applicable to mechanical work on University projects.

State of Michigan Department of Environmental Quality (MDEQ) (filed many different dates) Contact U of M Department of Occupational Safety and Environmental Health for information on environmental regulatory requirements. All project specific communication with the enforcing agency must be through or coordinated with the U of M Occupational Safety and Environmental Health Department.

#### Coordinating Agency —

University of Michigan OSEH Environmental Protection and Permitting Program (EP<sup>3</sup>) 1239 Kipke Ann Arbor, MI 48109-1010 (734) 936-1920

OSEH Web Site: <a href="http://www.oseh.umich.edu//">http://www.oseh.umich.edu//</a>

- Environmental Protection: <a href="http://www.oseh.umich.edu//environment/index.shtml">http://www.oseh.umich.edu//environment/index.shtml</a>
- Air permitting (generators, boilers, refrigeration units): http://www.oseh.umich.edu//environment/air.shtml
- Power washing and discharge to ground: <a href="http://www.oseh.umich.edu//environment/groundwater.shtml">http://www.oseh.umich.edu//environment/groundwater.shtml</a>
- Remediation: http://www.oseh.umich.edu/environment/remediation.shtml
- Storage Tanks: <a href="http://www.oseh.umich.edu//environment/tanks.shtml">http://www.oseh.umich.edu//environment/tanks.shtml</a>
- Threatened and Endangered Species: <a href="http://www.oseh.umich.edu//environment/endangered.shtml">http://www.oseh.umich.edu//environment/endangered.shtml</a>
- Wetlands: http://www.oseh.umich.edu//environment/wetland.shtml

#### **Enforcing Agency** —

Michigan Department of Environmental Quality 525 West Allegan Street P.O. Box 30473 Lansing, MI 48909-7973 (800) 662-9278

MDEQ Web Site: <a href="http://www.michigan.gov/deq">http://www.michigan.gov/deq</a>

<u>United States Environmental Protection Agency (USEPA)</u> (filed many different dates), which is Title 40 of the Code Federal Regulations. Contact UM Department of Occupational Safety and Environmental Health for information on environmental regulatory requirements. All project specific communication with the enforcing agency must be through or coordinated with the U of M Occupational Safety and Environmental Health department.

## Coordinating Agency —

University of Michigan OSEH Environmental Protection and Permitting (E<sup>P</sup>) 1239 Kipke Ann Arbor, MI 48109-1010 (734) 936-1920

OSEH Web Site: http://www.oseh.umich.edu//

SPECIAL INSTRUCTIONS TO DESIGNERS SID-F: CODES AND REGULATORY AGENCIES PAGE 14 OF 17

## **Enforcing Agency** —

United States Environmental Protection Agency Region 5 (IL, IN, MI, MN, OH, WI) 77 West Jackson Boulevard Chicago, IL 60604-3507 (312) 353-2000

USEPA Web Site: <a href="http://www.epa.gov/">http://www.epa.gov/</a>

## UNIVERSITY OF MICHIGAN BUILDINGS THAT CONTAIN INSTRUCTIONAL SPACE

## SID-F

(Based on M-Pathways GQL database for rooms with type code 110 or 210)

NAME	BLDG	BLDG	BLDG	BLDG
555 SOUTH FOREST BUILDING   9436   ENGREERING RESEARCH BUILDING   104	NO	NAME	NO	NAME
A. ALFRED TAUBMAN BIOMEDICAL SCIENCE   6414   ENVIRONMENTAL & WATER RIS ENG BL		202 SOUTH THAYER		· · · · · · · · · · · · · · · · · · ·
RESEARCH BUILDING (Auditorium)*   1650   FLINT DAVID FRENCH HALL				
APRICA   APRICA   Computer	5037			
0425   AFRO FING - PLASMA RESEARCH (FAPS only)   1007   FLINT LAPERS TJ ANNEX	0.401	,		
1672   AERO ENG - PROPULSION LAB (FATS only)   1671   FLINT MERCHATION BUILDING		• • • • • • • • • • • • • • • • • • • •		
1016		` '		
ADDITION ALDITION ALDITION ALDITION ALDITION ALDITION HALL   1664		•		
0175   ANGELL HALL ADDITION-HAVEN HALL   1664   FLINT UNIV PAVILION ANNEX     0176				
1919   ANGELL HALL ADDITION-MASON HALL   1944   FLINT WILLIAM S WHITE BUILDING     1952   ANGELJ JAMES B HALL & TISCH HALL   1924   FRANCIS, THOMAS IR PUBLIC HEALTH     1943   ARGUS II   1947   GERSTACKER, CARL A BLDG (FA only)*     1948   GERSTACKER, CARL A BLDG (FA only)*     1949   GERSTACKER, CARL A BLDG (FA only)*     1940   GERSTACKER, CARL A BLDG (FA only)*     1940   GORGUZE FARMIY LABORATORY     1940   BIOLOGICAL ST BEATY BUILDING     1940   BIOLOGICAL ST GERLABRATORY     1941   BIOLOGICAL ST GERSE LABORATORY     1941   BIOLOGICAL ST FOREST LABORATORY     1941   BIOLOGICAL ST FOREST LABORATORY     1941   BIOLOGICAL ST HUNGERFORD LAB     1943   BIOLOGICAL ST HUNGERFORD LAB     1949   BIOLOGICAL ST HUNGERFORD LAB     1940   BIOLOGICAL ST HUNGERFORD LAB     1940   BIOLOGICAL ST HUNGERFORD LAB     1940   BIOLOGICAL ST HEGHARD LAB     1940   BIOLOGICAL ST ST ECTURE HALL     1950   BIOLOGICAL ST ST STOCKARD LABORATORY     1940   BIOLOGICAL ST ST STOCKARD LABORATORY     1940   BIOLOGICAL ST STOCKARD LABORATORY     1940   BIOLOGICAL ST STOCKARD LABORATORY     1940   BUHL RES CEN FOR HUMAN GENETICS     1940   BURL RES CEN FOR HUMAN GENETICS     1941   CHRISTRY     1941   CHRISTRY     1942   CHRISTRY     1943   CHRISTRY     1944   CHRISTRY     1945   CHRISTRY     1945   CHRISTRY     1946   CENTRAL CAMPUS REC BLD&BEIL POIL     1946   CENTRAL CAMPUS REC BLD&BEIL POIL     1946   CENTRAL CAMPUS REC BLD&BEIL POIL     1947   CHRISTRY     1947   CHRISTRY     1948   CHRISTRY     1949   CHRISTRY     1940   CHRISTRY     1940   CHRISTRY     1940   CHRISTRY				
1952   ANGELL JAMES B HALL & TISCH HALL   0234   FRANCIS, THOMAS JR PUBLIC HEALTH   0437   0436   0436   0437   0437   0437   0437   0437   0437   0437   0437   0438   0439				
0.432   ART & ARCHITECTURE BUILDING   0.424   GORGUZE FAMILY LABORATORY   0.5902   BESTER, BOB & BETTY BUILDING   0.179   HUTCHINS HALL (All areas except Aikens Commons & Cafe Room 15.0)**   Cafe Room 15.00**   Cafe Room 15.			0234	
1079   HUTCHINS HALL (All areas except Aikens Commons & Cafe Room 150)*   1079   Cafe Room 150)*   1070   Cafe Room 150)*   1070   Cafe Room 150)*   1071   Cafe Room 150)*   1071   Cafe Room 150)*   1072   Cafe Room 150)*   1073   Cafe Room 150)*   1074   Cafe Room 150)*   1075   Cafe Room 150)*   1076   Cafe Room 150)*   1076   Cafe Room 150)*   1077   Cafe Room 150, And 150, An	0831	ARGUS II	0437	GERSTACKER, CARL A BLDG (FA only)*
1902   BESTER, BOB & BETTY BUILDING				
A010			0179	` 1
4010   BIOLOGICAL ST CORT LABORATORY   0324   KELLOGG, W.K. EYE CENTER			0.420	
4015				
A010				
A011				
4013   BIOLOGICAL ST HUNGERFORD LAB   0400   LAY, WALTER F AUTOMOTIVE LAB     4019   BIOLOGICAL ST LECTURE HALL   0150   LITERATURE SCIENCE AND THE ARTS (Third Floor)*     4019   BIOLOGICAL ST NEWCOMBE LAB   0188   LITTLE, CLARENCE COOK SCIENCE BLD     4017   BIOLOGICAL ST REIGHARD LAB   0184   LITTLE, CLARENCE COOK SCIENCE BLD     4018   BIOLOGICAL ST REIGHARD LAB   0184   LITTLE, CLARENCE COOK SCIENCE BLD     4019   BIOLOGICAL ST REIGHARD LAB   0184   LITTLE, CLARENCE COOK SCIENCE BLD     4010   BIOLOGICAL ST REIGHARD LAB   0184   LITTLE, CLARENCE COOK SCIENCE BLD     4010   BIOLOGICAL ST REIGHARD LAB   0184   LITTLE, CLARENCE COOK SCIENCE BLD     4010   BIOLOGICAL ST REIGHARD LAB   0184   LITTLE, CLARENCE COOK SCIENCE BLD     4010   BIOLOGICAL ST REIGHARD LAB   0184   LITTLE, CLARENCE COOK SCIENCE BLD     4010   BIOLOGICAL ST REIGHARD LAB   0185   LITTLE, CLARENCE COOK SCIENCE BLD     4010   BIOLOGICAL ST REIGHARD LAB   0185   LITTLE, CLARENCE COOK SCIENCE BLD     4010   BIOLOGICAL ST REIGHARD LAB   0185   LITTLE, CLARENCE COOK SCIENCE BLD     4010   BIOLOGICAL ST REIGHARD LAB   0185   LIOYD, ALICE C HALL     4012   BIOLOGICAL ST REIGHARD LAB   0180   LIOYD, ALICE C HALL     4012   BIOLOGICAL ST REIGHARD LAB   0180   LIOYD, ALICE C HALL     4012   BIOLOGICAL ST REIGHARD LAB   0180   LIOYD, ALICE C HALL     4014   BIOLOGICAL ST REIGHARD LAB   0180   MATHABE BOT GDNS RESEARCH-ADMIN     4017   BUELL RES CEN FOR HUMAN GENETICS   0200   MATHABE BOT GDNS RESEARCH-ADMIN     4018   BIOLOGICAL ST REIGHARD LAB   0200   MEDICAL SCIENCE BUILDING   MOSTELAN ROLL     4019   MEDICAL SCIENCE BUILDING   0416   MOSTELAN ROLL     4010   BUELL RES CEN FOR HUMAN GENETICS   0400   MEDICAL SCIENCE BUILDING   MOSTELAN ROLL     4010   BUELL RES CEN FOR HUMAN GENETICS   0415   MOSEUM FART AUGUSTORY   STATE AUGUSTORY   S				
HOLOGICAL ST NEWCOMBE LAB				
4015   BIOLOGICAL ST NEWCOMBE LAB   0188				
4017   BIOLOGICAL ST REIGHARD LAB   0154   LORCH HALL     4028   BIOLOGICAL ST SPARROW LABORATORY   0406   BIOLOGICAL ST STOCKARD LABORATORY   0406   BIOLOGICAL ST STOCKARD LABORATORY   0406   BIOLOGICAL ST WEICH LABORATORY   0982   MATTHAEI BOT GDN'S RESEARCH-ADMIN     4012   BIOLOGICAL ST WEICH LABORATORY   0982   MATTHAEI BOT GDN'S RESEARCH-ADMIN     4016   BORWN, G G LABORATORY   0190   MEDICAL SCIENCE UNIT I     5015   BURTON MEMORIAL TOWER   0207   MEDICAL SCIENCE UNIT I     5015   BURTON MEMORIAL TOWER   0207   MODERN LANGUAGES BUILDING     6026   CENTRAL CAMPUS REC BLD&BELL POOL   0440   MOORE, EARL V BLDG     6015   CHEMISTRY   0061   MOSHER-JORDAN HALL     6016   MOSTER, EARL V BLDG   MOSTER HALL     6018   COMPUTER EXECUTIVE EDUCATION BLD   0415   NAVAL ARCH & MARINE ENGINEERING     6018   COLEY, MORTIMER E MEMORIAL   0196   NORTH HALL     6019   DANA, SAMUEL TRASK BUILDING   5177   NORTH QUAD COMPLEX (Level 1 throughout & Level 2 North Tower)*     6010   DEARBORN CADDEMIC SUPPORT CENTER   0851   KINESIOLOGY BUILDING (Stair S01, Rooms 1100, 2100, 23100)*     6010   DEARBORN CASL ANNEX & FAIRLANK APT   5047   PALMER DRIVE COMMONS (SW end of 2 <sup>nd</sup> floor)*     6010   DEARBORN COMMERCE PARK   0442   PIEPRONT COMMONS     6011   DEARBORN COMMERCE AND AND ASSEMBLY AND ASSEMBLY AND ASSEMBLY AND ASSEMBLY AND ASSEMBLY AND ASSEMBLY ASSEMB				· · · · · · · · · · · · · · · · · · ·
4096   BIOLOGICAL ST SPARROW LABORATORY   4066   LURIE, ANN AND ROBERT H BIOMEDICAL ENG   4070   4071   4071   4072   4072   4072   4072   4074   4072   4074   4072   4074   4072   4074   4072   4074   4	4015		0059	LLOYD, ALICE C HALL
4096   BIOLOGICAL ST STOCKARD LABORATORY   0406   LURIE, ANN AND ROBERT H BIOMEDICAL ENG   4012   BIOLOGICAL ST WELCH LABORATORY   0190   MATTHAEI BOT GDNS RESEARCH-ADMIN   0407   BROWN, G G LABORATORY   0190   MEDICAL SCIENCE UNIT I   0210   BUHL RES CEN FOR HUMAN GENETICS   0200   MEDICAL SCIENCE UNIT I   0210   MEDICAL SCIENCE MULDING   MEDICAL SCIENCE MEDICA		BIOLOGICAL ST REIGHARD LAB	0154	LORCH HALL
4012   BIOLOGICAL ST WELCH LABORATORY   0982   MATTHAEI BOT GDNS RESEARCH-ADMIN   0407   BROWN, G G LABORATORY   0190   MEDICAL SCIENCE UNIT I   0155   BUHT RES CEN FOR HUMAN GENETICS   0200   MEDICAL SCIENCE UNIT I   0155   BURTON MEMORIAL TOWER   0207   MODERN LANGUAGES BUILDING   0266   CENTRAL CAMPUS REC BLD&BELL POOL   0440   MOORE, EARL V BLDG   0158   CHEMISTRY   0061   MOSHER-JORDAN HALL   0443   CHRYSLER CNT ENGINEER ED   0151   MUSEUM OF ART (Additorium & Stair S5)*   0138   COMPUTER&EXECUTIVE EDUCATION BLD   0415   NAVAL ARCH & MARINE ENGINEERING   0403   COOLEY, MORTIMER E MEMORIAL   0196   NORTH HALL   0404   COADELY, MORTIMER E MEMORIAL   0196   NORTH HALL   0405   DANA, SAMUEL TRASK BUILDING   5177   NORTH QUAD COMPLEX (Level 1 throughout & Level 2 North Tower )*   01015   DEARBORN ACADEMIC SUPPORT CENTER   0851   KINESIOLOGY BUILDING (Stair S01, Rooms 1100, 2100, & 3100)*   0102   DEARBORN CASL ANNEX & FAIRLANE APT   5047   PALMER DRIVE COMMONS (SW end of 2° floor)*   0103   DEARBORN COMPUTER & INFOR SCIENCE   0180   POERR SUIVENG (3300)*   0104   DEARBORN COMPUTER & INFOR SCIENCE   0180   POWER CENTER FOR PERFORMING ARTS   0101   DEARBORN ENGINEERING LAB BLDG   0897   PUBLIC POLICY ANNEX   0107   DE ENVIRONMENTAL INTERPRET CTR   0208   RANDALL, HARRISON M LABORATORY   0108   DEARBORN FAIRLANE CENTER   5188   ROSS SCHOOL OF BUSINESS (Floors L., G., 2, & 3)*   0107   DE BERDOR SCHOLO CHANAGEMENT   0333   SCHOOL OF BUSINESS (Floors L., G., 2, & 3)*   0107   DE ARBORN SCHOLO CAMNAGEMENT   0333   SCHOOL OF SOCIAL WORK BUILDING   0109   DE BABBORN SCHOLO CAMNAGEMENT   0344   SPACE RESEARCH LABORATORY   0109   DEARBORN SOCIAL SCIENCES BUILDING   0441   SPACE RESEARCH LABORATORY   0109   DEARBORN SOCIAL SCIENCES BUILDING   0441   SPACE RESEARCH LABORATORY   0109   DEARBORN SOCIAL SCIENCES BUILDING   0445   STAMPS AUDITORIUM   0109   DEARBORN SOCIAL SCIENCES BUILDING   0445   STAMPS AUDITORIUM   0106   DEANBORN SCHOLO OF   0506   0400   0400   0400   0400   0400   0400   0400   0400   0400   0400   04				
0407   BROWN, G G LABORATORY   0190   MEDICAL SCIENCE UNIT I   0210   BUHL RES CEN FOR HUMAN GENETICS   0200   MEDICAL SCIENCE UNIT I   0210   BUHL RES CEN FOR HUMAN GENETICS   0200   MEDICAL SCIENCE UNIT I   0210   MEDICAL SCIENCE BUILDING   0210   MODERN AND AND AND AND AND AND AND AND AND AN				
D210   BUHL RES CEN FOR HUMAN GENETICS   D200   MEDICAL SCIENCE UNTI II				
01555         BURTON MEMORIAL TOWER         0.207         MODERN LANGUAGES BUILDING           01266         CENTRAL CAMPUS REC BLD&BELL POOL         0.440         MOORE, EARL V BLDG           0158         CHEMISTRY         0.061         MOSHER-JORDAN HALL           0443         CHRYSLER CNTR CONT ENGINEER ED         0.151         MUSEUM OF ART (Auditorium & Stair S5)*           0403         COMPUTER & SECUTIVE EDUCATION BLD         0.415         NAVAL ARCH & MARINE ENGINEERING           0403         COOLEY, MORTIMER E MEMORIAL         0.196         NORTH HALL           0189         DANA, SAMUEL TRASK BUILDING         5177         NORTH QUAD COMPLEX ( Level 1 throughout & Level 2 borth Tower)*           0225         DANCE BUILDING         Lovel 2 borth Tower)*         Level 2 borth Tower)*           1015         DEARBORN ACADEMIC SUPPORT CENTER         0.851         KINESIOLOGY BUILDING (Stair S01, Rooms 1100, 2100, & 3100)*           1020         DEARBORN COALARTS SCIENCE & LETTERS         0.890         PERRY BUILDING (Stair S01, Rooms 1100, 2100, & 3100)*           1012         DE BABORN COMMERCE PARK         0.442         PIERPONT COMMONS (SW end of 2nd floor)*           1013         DEARBORN COMPUTER & INFOR SCIENCE         0.180         POWER CENTER FOR PERFORMING ARTS           1016         DE ENVIRONMENTAL INTERPRET CTR         0.200				
0226   CENTRAL CAMPUS REC BLD&BELL POOL   0440   MOORE, EARL V BLDG   0158   CHEMISTRY   0061   MOSHER-JORDAN HALL   0443   CHRYSLER CNTR CONT ENGINEER ED   0151   MUSEUM OF ART (Auditorium & Stair S5)*   0138   COMPUTER&EXECUTIVE EDUCATION BLD   0415   NAVAL ARCH & MARINE ENGINEERING   0403   COOLEY, MORTIMER E MEMORIAL   0196   NORTH HALL   0404   DANA, SAMUEL TRASK BUILDING   5177   NORTH QUAD COMPLEX (Level 1 throughout & Level 2 North Tower)*   0405   DANCE BUILDING   Level 2 North Tower)*   0406   DANA SAMUEL TRASK BUILDING   5177   NORTH QUAD COMPLEX (Level 1 throughout & Level 2 North Tower)*   0407   DANCE BUILDING   Level 2 North Tower)*   0408   DEARBORN ACADEMIC SUPPORT CENTER   0851   KINESIOLOGY BUILDING (Stair S01, Rooms 1100, 2100, & 3100)*   0409   DEARBORN COMMENCE PARK   0442   PIERPONT COMMONS (SW end of 2nd floor)*   0409   DEARBORN COMPUTER & INFOR SCIENCE   0180   POWER CENTER FOR PERFORMING ARTS   0410   DEARBORN ENGINEERING LAB BLDG   0897   PUBLIC POLICY ANNEX   0410   DEARBORN PAIRLANE CENTER   5188   ROSS SCHOOL OF BUSINESS (Floors L, G, 2, & 3)*   0410   DEARBORN SCHOOL OF MANAGEMENT   0333   SCHOOL OF BUSINESS (Floors L, G, 2, & 3)*   0410   DEARBORN SCHOOL OF MANAGEMENT   0333   SCHOOL OF SOCIAL WORK BUILDING   0410   DEARBORN SCHOOL OF MANAGEMENT   0344   SPACE RESEARCH LABORATORY   0411   DEARBORN SCHOOL OF MANAGEMENT   0345   STEARNS, FREDERICK BUILDING   0412   DEARBORN SOCIAL SCIENCES BUILDING   0445   STEARNS, FREDERICK BUILDING   0413   DEARBORN SOCIAL SCIENCES BUILDING   0445   STEARNS, FREDERICK BUILDING   0446   DENNISON, DAVID M BUILDING   0445   STEARNS, FREDERICK BUILDING   0447   DOW, HERBERT H BUILDING   0445   STEARNS, FREDERICK BUILDING   0448   ELECTRICAL ENG & COMPUTER SCI BLDG   0446   WOLGRAN, A ALFRED HEALTH SCIENCES LIBRARY   0448   ELECTRICAL ENG & COMPUTER SCI BLDG   0446   WOLGRAN, A ALFRED HEALTH SCIENCES LIBRARY   0448   ELECTRICAL ENG & COMPUTER SCI BLDG   0446   WOLGRAN, A ALFRED HEALTH BL(1s* 2nd* Firs)*   0449   WYLY, SAM HALL   WEST HALL   0446				
0158 CHEMISTRY 0443 CHRYSLER CNTR CONT ENGINEER ED 0151 MUSEUM OF ART (Auditorium & Stair S5)* 0138 COMPUTERÆEXECUTIVE EDUCATION BLD 0403 COOLEY, MORTIMER E MEMORIAL 0189 DANA, SAMUEL TRASK BUILDING 0189 DANA, SAMUEL TRASK BUILDING 0150 DEARBORN ACADEMIC SUPPORT CENTER 1015 DEARBORN ACADEMIC SUPPORT CENTER 1016 DE BADMIN & STUDENT ACTIVITIES BLDG 1020 DEARBORN CASL ANNEX & FAIRLANE APT 1080 DEARBORN CASL ANNEX & FAIRLANE APT 1080 DEARBORN COMMERCE PARK 0442 PIERPONT COMMONS (SW end of 2nd floor)* 1011 DE BABDORN COMMERCE PARK 1011 DEARBORN COMMERCE PARK 1012 DE BANTRONNENT ALL INTERPRET CTR 1013 DEARBORN FAIRLANE ABLDG 1076 DB ENVIRONMENTAL INTERPRET CTR 1080 DEARBORN FAIRLANE CENTER 1011 DE BEABBORN FAIRLANE CENTER 1012 DE BARBORN FAIRLANE CENTER 1013 DE BEABBORN FAIRLANE CENTER 1014 DE BEABBORN FAIRLANE CENTER 1050 DE BEABBORN FAIRLANE CENTER 1060 DE BEABBORN SCHOOL OF MANAGEMENT 1077 DE BEABBORN SCHOOL OF MANAGEMENT 1079 DE BEABBORN SCHOOL OF PAINAGEMENT 1079 DE BEABBORN SCHOOL OF PAINAGEMENT 1070 DE BEABBORN SCHOOL OF PAINAGEMENT 1071 DE BEABBORN SCHOOL OF PAINAGEMENT 1072 DE BARBORN SCHOOL OF PAINAGEMENT 1073 DE BARBORN SCHOOL OF PAINAGEMENT 1074 DE BARBORN SCHOOL OF PAINAGEMENT 1075 DE BARBORN SCHOOL OF PAINAGEMENT 1076 DE BARBORN SCHOOL OF PAINAGEMENT 1077 DE BARBORN SCHOOL OF PAINAGEMENT 1078 DE BARBORN SCHOOL OF PAINAGEMENT 1079 DEARBORN SCHOOL OF PAINAGEMENT 1070 DE BARBORN SCHOOL OF PAINAGEMENT 1071 DE BARBORN SOCIAL SCIENCES BUILDING 1072 DE BARBORN SOCIAL SCIENCES BUILDING 1073 DE BARBORN SOCIAL SCIENCES BUILDING 1074 DE BARBORN SOCIAL SCIENCES BUILDING 1075 DE BARBORN SOCIAL SCIENCES BUILDING 1076 DE BARBORN SOCIAL SCIENCES BUILDING 1077 DE BARBORN SOCIAL SCIENCES BUILDING 1078 DE BARBORN SOCIAL SCIENCES BUILDING 1079 DEARBORN SOCIAL SCIENCES BUILDING 1070 DE BARBORN SOCIAL SCIENCES BUILDING 1071 DE BARBORN SOCIAL SCIENCES BUILDING 1072 DE BARBORN SOCIAL SCIENCES BUILDING 1073 DE BARBORN SOCIAL SCIENCES BUILDING 1074 DE BARBORN SCIENCES SCIENCE 1074 TAPPAN HALL 1075 TARBORDER 1076 TORMONDER 1077 D				
O443   CHRYSLER CNTR CONT ENGINEER ED   0151   MUSEUM OF ART (Auditorium & Stair S5)*				
O138 COMPUTER&EXECUTIVE EDUCATION BLD O403 COOLEY, MORTIMER E MEMORIAL O196 NORTH HALL O197 NORTH QUAD COMPLEX (Level 1 throughout & O225 DANCE BUILDING O225 DANCE BUILDING O226 DANCE BUILDING O227 DEARBORN ACADEMIC SUPPORT CENTER O228 DEARBORN ACADEMIC SUPPORT CENTER O298 ADMIN & STUDENT ACTIVITIES BLDG O209 DEARBORN CASL ANNEX & FAIRLANE APT O2100 DEARBORN COL ARTS SCIENCE & LETTERS O2100 DEARBORN COL ARTS SCIENCE & LETTERS O2100 DEARBORN COMPUTER & INFOR SCIENCE O2100 DEARBORN COMPUTER & INFOR SCIENCE O2100 DEARBORN COMPUTER & INFOR SCIENCE O210 DEARBORN COMPUTER & INFOR SCIENCE O211 DEARBORN ENGINEERING LAB BLDG O212 DEARBORN ENGINEERING LAB BLDG O213 DEARBORN ENGINEERING LAB BLDG O214 DEARBORN FAIRLANE CENTER O215 DEARBORN FAIRLANE CENTER O216 CANDALL, HARRISON M LABORATORY O217 DE FIELD HOUSE AND WELLNESS CENTER O218 RANDALL, HARRISON M LABORATORY O219 DEARBORN SCHOOL OF MANAGEMENT O210 DEARBORN SCHOOL OF MANAGEMENT O210 DEARBORN SCHOOL OF MANAGEMENT O210 DEARBORN SCHOOL OF MANAGEMENT O211 DEARBORN SCHOOL OF MANAGEMENT O212 DEARBORN SOCIAL SCIENCES BUILDING O214 SCHOOL OF SOCIAL WORK BUILDING O215 DENTAL AND W K BELLOGG INSTITUTE O216 DENTAL AND W K BELLOGG INSTITUTE O217 DEARBORN SCHOOL OF O218 DENTAL AND W K BELLOGG INSTITUTE O219 DEARBORN SCHOOL OF O220 TAUBMAN, A ALFRED HEALTH SCIENCES LIBRARY O160 DEARBORN SCHOOL OF O221 EDUCATION, SCHOOL OF O222 DEOLATION, SCHOOL OF O223 WALGREEN, CHARLES RJ DRAMA CENTER O124 WALGREEN, CHARLES RJ DRAMA CENTER O125 WYLY, SAM HALL O447 DOW, HERBERT H BUILDING O126 DENTAL AND W K BELLOGG INSTITUTE O221 EDUCATION, SCHOOL OF O222 BUILDING O324 WALGREEN, CHARLES RJ DRAMA CENTER O325 WALGREEN, CHARLES RJ DRAMA CENTER O326 WALGREEN, CHARLES RJ DRAMA CENTER O327 WALGREEN, CHARLES RJ DRAMA CENTER O328 WALGREEN, CHARLES RJ DRAMA CENTER O329 WALGRE				
DANA, SAMUEL TRASK BUILDING 0225 DANCE BUILDING 0225 DANCE BUILDING 1015 DEARBORN ACADEMIC SUPPORT CENTER 1016 DEARBORN ACADEMIC SUPPORT CENTER 1017 DE ADMIN & STUDENT ACTIVITIES BLDG 1020 DEARBORN CASL ANNEX & FAIRLANE APT 1080 DEARBORN COL ARTS SCIENCE & LETTERS 1080 DEARBORN COMPUTER & INFOR SCIENCE 1011 DEARBORN COMPUTER & INFOR SCIENCE 1013 DEARBORN ENGINEERING LAB BLDG 1076 DB ENVIRONMENTAL INTERPRET CTR 1076 DB ENVIRONMENTAL INTERPRET CTR 1077 DB FIELD HOUSE AND WELLNESS CENTER 1078 DB PROFESSIONAL EDUCATION CENTER 1079 DEARBORN SCHOOL OF MANAGEMENT 1070 DE SCIENCE, CLASSROOM & ADMIN.MIN 1070 DEARBORN SCHOOL OF MANAGEMENT 1071 DEARBORN SCHOOL SEBUILDING 1072 DEARBORN SOCIAL SCIENCES BUILDING 1073 DEARBORN SOCIAL SCIENCES BUILDING 1074 DEARBORN SOLIAL SCIENCES BUILDING 1075 DEARBORN SCHOOL OF MANAGEMENT 1076 DEARBORN SCHOOL OF MANAGEMENT 1077 DEARBORN SCHOOL OF MANAGEMENT 1078 DEARBORN SCHOOL OF MANAGEMENT 1079 DEARBORN SCHOOL OF MANAGEMENT 1070 DEARBORN SCHOOL OF MANAGEMENT 1071 DEARBORN SOCIAL SCIENCES BUILDING 1072 DEARBORN SOCIAL SCIENCES BUILDING 1073 DEARBORN SOCIAL SCIENCES BUILDING 1074 DEARBORN SOCIAL SCIENCES BUILDING 1075 DEARBORN SOCIAL SCIENCES BUILDING 1076 DEARBORN SOCIAL SCIENCES BUILDING 1077 DEARBORN SOCIAL SCIENCES BUILDING 1078 DEARBORN SOCIAL SCIENCES BUILDING 1079 DEARBORN SOCIAL SCIENCES BUILDING 1070 DEARBORN SOCIAL SCIENCES BUILDING 1071 DEARBORN SOCIAL SCIENCES BUILDING 1072 DEARBORN SOCIAL SCIENCES BUILDING 1073 DEARBORN SOCIAL SCIENCES BUILDING 1074 DEARBORN SOCIAL SCIENCES BUILDING 1075 DEARBORN SCHOOL OF 1076 DENNISON, DAVID M BUILDING 1077 DEARBORN SCHOOL OF 1078 DEARBORN SCHOOL OF 1079 DEARBORN SCHOOL OF 1070 DEARBORN SCHOOL OF 1070 DEARBORN SCHOOL OF 1071 DEARBORN SCHOOL OF 1072 DEARBORN SCHOOL OF 1073 DEARBORN SCHOOL OF 1074 DEARBORN SCHOOL OF 1075 DEARBORN SCHOOL OF 1076 DEARBORN SCHOOL OF 1077 DEARBORN SCHOOL OF 1078 DEARBORN SCHOOL OF 1079 DEARBORN SCHOOL OF 1070 DEARBORN SCHOOL OF 1071 DEARBORN SCHOOL OF 1071 DEARBORN SCHOOL OF 1072 DEARBORN SCHOOL OF 1073 DEARBORN SC				
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DEARBORN ACADEMIC SUPPORT CENTER   1012   DB ADMIN & STUDENT ACTIVITIES BLDG   2100, & 3100)*		DANA, SAMUEL TRASK BUILDING	5177	
DB ADMIN & STUDENT ACTIVITIES BLDG   2100, & 3100)*				
DEARBORN CASL ANNEX & FAIRLANE APT   1080   DEARBORN COL ARTS SCIENCE & LETTERS   10890   PERRY BUILDING (G300)*     Boundaries   DEARBORN COMMERCE PARK   1044   PIERPONT COMMONS     DEARBORN COMPUTER & INFOR SCIENCE   1080   POWER CENTER FOR PERFORMING ARTS     DEARBORN ENGINEERING LAB BLDG   0897   PUBLIC POLICY ANNEX     DEARBORN ENGINEERING LAB BLDG   0897   PUBLIC POLICY ANNEX     DEARBORN FAIRLANE CENTER   1080   RANDALL, HARRISON M LABORATORY     DEARBORN FAIRLANE CENTER   5188   ROSS SCHOOL OF BUSINESS (Floors L, G, 2, & 3)*     1017			0851	
DEARBORN COL ARTS SCIENCE & LETTERS  8049 DEARBORN COMMERCE PARK  1011 DEARBORN COMMERCE PARK  1013 DEARBORN COMPUTER & INFOR SCIENCE 1013 DEARBORN ENGINEERING LAB BLDG 1076 DB ENVIRONMENTAL INTERPRET CTR 1076 DB ENVIRONMENTAL INTERPRET CTR 1077 DB FIELD HOUSE AND WELLNESS CENTER 1078 DB PROFESSIONAL EDUCATION CENTER 1079 DEARBORN SCHOOL OF MANAGEMENT 1070 DB SCIENCE, CLASSROOM & ADMIN.MIN 1070 DEARBORN SOCIAL SCIENCES BUILDING 1071 DEARBORN SOCIAL SCIENCES BUILDING 1072 DEARBORN SOCIAL SCIENCES BUILDING 1073 DENISON, DAVID M BUILDING 1060 DEARBORN UNIVERSITY CENTER 1074 DOW, HERBERT H BUILDING 1075 DEARBORN SCHOOL OF 1076 DEARBORN SCHOOL OF 1077 DOW, HERBERT H BUILDING 1078 DEARBORN SCHOOL OF 1079 DEARBORN SOCIAL SCIENCES BUILDING 1070 DEARBORN SOCIAL SCIENCES BUILDING 1071 DEARBORN SOCIAL SCIENCES BUILDING 1072 DEARBORN SOCIAL SCIENCES BUILDING 1073 DEARBORN SOCIAL SCIENCES BUILDING 1060 DEARBORN UNIVERSITY CENTER 1077 DEARBORN SOCIAL SCIENCES BUILDING 1078 DEARBORN SOCIAL SCIENCES BUILDING 1079 DEARBORN UNIVERSITY CENTER 1070 DEARBORN UNIVERSITY CENTER 1071 DEARBORN SCIENCES BUILDING 1072 DENTAL AND W K KELLOGG INSTITUTE 1074 DOW, HERBERT H BUILDING 1075 DENNISON, DAVID M BUILDING 1076 DENTAL AND W K KELLOGG INSTITUTE 1077 DEARBORN SCIENCES BUILDING 1078 DENISON, DAVID M BUILDING 1079 DEARBORN UNIVERSITY CENTER 1070 DEARBORN UNIVERSITY CENTER 1071 DEARBORN UNIVERSITY CENTER 1072 DENTAL AND W K KELLOGG INSTITUTE 1073 DEARBORN SCIENCES BUILDING 1074 DOW, HERBERT H BUILDING 1075 DENNISON, DAVID M BUILDING 1076 DENNISON, SCHOOL OF 1070 DEARBORN UNIVERSITY CENTER 1071 DEARBORN UNIVERSITY CENTER 1072 DEARBORN UNIVERSITY CENTER 1073 DEARBORN UNIVERSITY CENTER 1074 DEARBORN UNIVERSITY CENTER 1075 DEARBORN UNIVERSITY CENTER 1076 DEARBORN UNIVERSITY CENTER 1077 DEARBORN UNIVERSITY CENTER 1078 DEARBORN COLOR MANAGEMENT 1079 DEARBORN UNIVERSITY CENTER 1079 DEARBORN COLOR MANAGEMENT 1070 DEARBORN COLOR MANAGEMENT 1070 DEARBORN COLOR MANAGEMENT 1070 DEARBORN COLOR MANAGEMENT 1071 DEARBORN COLOR MANAGEMENT 1077 DEARBORN CO			50.45	2100, & 3100)*
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0162 DENTAL AND W K KELLOGG INSTITUTE 0447 DOW, HERBERT H BUILDING 0166 EAST HALL 0054 EAST QUADRANGLE 0204 UNDERGRADUATE SCIENCE BLDG 0054 EAST QUADRANGLE 0221 EDUCATION, SCHOOL OF 0448 ELECTRICAL ENG & COMPUTER SCI BLDG 0135 WYLY, SAM HALL 0167 WEST HALL 0167 TAPPAN HALL 1APPAN H				
0447 DOW, HERBERT H BUILDING 0209 TAUBMAN, A ALFRED HEALTH SCIENCES LIBRARY 0166 EAST HALL 5046 UNDERGRADUATE SCIENCE BLDG 0054 EAST QUADRANGLE 0204 VAUGHAN, H F PUBLIC HLTH BL(1sr & 2nd Flrs)* 0221 EDUCATION, SCHOOL OF 5059 WALGREEN, CHARLES RJ DRAMA CENTER 0448 ELECTRICAL ENG & COMPUTER SCI BLDG 5101 WEILL HALL, JOAN & SANFORD (1st & 2nd Flrs)* 0135 WYLY, SAM HALL 0167 WEST HALL				
0166 EAST HALL 5046 UNDERGRADUATE SCIENCE BLDG 0054 EAST QUADRANGLE 0204 VAUGHAN, H F PUBLIC HLTH BL(1sr & 2nd Flrs)* 0221 EDUCATION, SCHOOL OF 5059 WALGREEN, CHARLES RJ DRAMA CENTER 0448 ELECTRICAL ENG & COMPUTER SCI BLDG 5101 WEILL HALL, JOAN & SANFORD (1st & 2nd Flrs)* 0135 WYLY, SAM HALL 0167 WEST HALL				
0054 EAST QUADRANGLE 0204 VAUGHAN, H F PUBLIC HLTH BL(1sr & 2 <sup>nd</sup> Flrs)* 0221 EDUCATION, SCHOOL OF 5059 WALGREEN, CHARLES RJ DRAMA CENTER 0448 ELECTRICAL ENG & COMPUTER SCI BLDG 5101 WEILL HALL, JOAN & SANFORD (1 <sup>st</sup> & 2 <sup>nd</sup> Flrs)* 0135 WYLY, SAM HALL 0167 WEST HALL				
0448 ELECTRICAL ENG & COMPUTER SCI BLDG 5101 WEILL HALL, JOAN & SANFORD (1 <sup>st</sup> & 2 <sup>nd</sup> Firs)* 0135 WYLY, SAM HALL 0167 WEST HALL				
0135 WYLY, SAM HALL 0167 WEST HALL	0221	EDUCATION, SCHOOL OF	5059	WALGREEN, CHARLES RJ DRAMA CENTER
0167 WEST HALL	0448	ELECTRICAL ENG & COMPUTER SCI BLDG		
	( )& T =	*4		

<sup>( )\*</sup> Indicates compartment of jurisdiction. Note egress from compartment; fire alarm & fire suppression for entire bldg are under BFS.

## UNIVERSITY OF MICHIGAN BUILDINGS THAT CONTAIN DORMITORY SPACE

(Based M-Pathways GQL database for rooms with type code 910, 919, 920, and 935)

BLDG NO	BLDG NAME	BLDG NO	BLDG NAME
0510	BAITS, VERA I EATON HOUSE	0108	LAWYERS CLUB
0511	BAITS, VERA I LEE HOUSE	0059	LLOYD ALICE C HALL
0512	BAITS, VERA I PARKER HOUSE	0060	MARKLEY, MARY B HALL
0513	BAITS, VERA I SMITH HOUSE	0061	MOSHER-JORDAN HALL
0514	BAITS, VERA I STANLEY HOUSE	0062	NEWBERRY RESIDENCE
0515	BAITS, VERA II COMAN HOUSE	5177	NORTH QUAD COMPLEX (North Tower
0516	BAITS, VERA II CONGER HOUSE		levels 3 through 10 )*
0517	BAITS, VERA II CROSS HOUSE	0040	OH GODDARD HALL
0518	BAITS, VERA II THIEME HOUSE	0042	OH ADELIA CHEEVER RESIDENCE
0519	BAITS, VERA II ZIWET HOUSE	0043	OH GEDDES RESIDENCE
0051	BARBOUR, BETSY HOUSE	0044	OH JULIA E EMANUEL RESIDENCE
0555	BURSLEY HALL	0046	OH L H SEELEY HALL
0120	CAMBRIDGE HOUSE (Compartment w/in	0045	OH PAMELA NOBLE RESIDENCE
	MICHIGAN UNION)*	0041	OH VANDENBERG HALL
0109	COOK, JOHN P LAW QUADRANGLE	0063	SOUTH QUADRANGLE
0052	COOK, MARTHA RESIDENCE	0064	STOCKWELL HALL
0053	COUZENS HALL	0066	WEST QUADRANGLE
0054	EAST QUADRANGLE		
0055	FLETCHER HALL		
0057	HENDERSON, MARY B HOUSE		

# UNIVERSITY OF MICHIGAN BUILDINGS THAT CONTAIN CHILD CARE SPACE

(Based M-Pathways GQL database for rooms with type code 640, 645)

BLDG	BLDG
NO	NAME
1047	DEARBORN KINDERGARDEN MODULE
5018	NCRC (N Campus Research Complex) B075 CHILD CARE CENTER
0600	NORTHWOOD COMMUNITY CENTER
0333	SCHOOL OF NURSING BUILDING
5240	TOWSLEY CHILDREN'S HOUSE
0390	UNIVERSITY HOSPITALS CHILD CARE CENTER

## <u>UNIVERSITY OF MICHIGAN BUILDINGS</u> THAT CONTAIN PATIENT OVERNIGHT CARE SPACE

BLDG	BLDG
NO	NAME
5102	BREHM TOWER (BRM) (Eye Center Expansion) (Fourth Floor)*
5109	SAMUEL AND JEAN FRANKEL CARDIOVASCULAR CENTER
0313	CONNECTOR between UH and MOTT adjacent to TOWSLEY
0312	NEUROSCIENCE HOSPITAL
5173	MOTT CHILDRENS AND VON VOIGTLANDER WOMENS HOSPITAL
0316	UNIVERSITY HOSPITAL (UH)

For more detailed boundaries for inpatient facilities in all buildings, please consult with UMHHC Design Manager.