

DIVISION 1 – GENERAL DESIGN REQUIREMENTS

01 3500 SPECIAL PROCEDURES

1. All projects must support the direction established in the 2013 Campus Master Plan.
 - a. All projects that alter the site design including but not limited to new buildings, building additions, entrance, road and sidewalk modifications must have a review by the University Engineering and Planning Department's Planner.
 - b. All projects that alter the landscaping including but not limited to new buildings, building additions, and entrances must have a review by University Engineering and Planning Planner.
2. All projects must comply with the guidelines established as part of the 2014 Campus Identity Project.

01 8113 SUSTAINABLE DESIGN REQUIREMENTS

1. LEED Certification

- a. All new buildings, additions and major renovations shall be designed such that the project could be certified under the U.S Green Building Councils LEED system.
- b. The Architect for all new buildings, additions and major renovations shall recommend to the project manager which LEED rating system(s) will be applied to the project design for their approval.
- c. The Architect for all new buildings, additions and major renovations shall prepare a draft LEED score card for their project and then facilitate an interactive input session with the CMU project team and other campus stakeholders to establish a LEED certification goal (e.g. Gold certification) for the project. The projects LEED goal shall be set before the end of Schematic design.
- d. The Architect shall ensure that the project is designed and constructed so that the LEED certification goal (e.g. Gold) could be achieved via formal certification of the project by the U.S. Green Building Council.
- e. All new buildings, additions and major renovations shall obtain the Energy and Atmosphere credit for independent third-party commissioning; an independent commissioning authority shall verify and ensure that the entire building is designed and constructed and calibrated to operate as intended.

2. Universal Design a Universal Design practices must be explored and appropriately integrated into the design of all new building and major renovations. In addition, universal design concepts should be applied to all small and medium project designs as practical.

3. Quality of Life Rooms All new building, additions, and major renovations shall provide a space for nursing mothers. The space shall be shielded from view and free from

intrusion from coworkers and the public. The room shall provide the ability to be secured and if equipped with windows, shall provide window treatments that can be closed to block external view.

01 8413 INTERIOR CONSTRUCTION PERFORMANCE REQUIREMENTS

1. Single Use Restroom

- a. CMU requires at least one (1) single use restroom, completely accessible in all new buildings, additions, and major renovations on each floor. It is CMU's preference to have this restroom accessible from a public corridor.
- b. Single use restroom on the first floor (only) shall be equipped with an ADA door operator.

2. Restroom

- a. If there is no single use restroom in the building, both the men's and women's restroom on the first floor shall be equipped with an ADA door operator.
- b. **NO** built-in waste containers.

3. Restroom Accessories

- a. Soap Dispenser for Stoko Refresh Hand Soap: Part #30290 White 800 ML.
- b. Rolled Paper Towel Holders WHSE #104883; Insight Sani Touch HRT 1.5" Hub;
 - (i) Product Code: 09990; Color: Smoke Grey; Size: 12.6"x16.3"x 10.2" with stub roll feature and key lock.
- c. Hand Driers to be World Dryer SMARTdri with multi-port technology, On/Off heating option, and 3-speed motor controls or Dyson Airblade V, AB 12 White.
 - (i) Electric hand dryers shall be installed at 50% of required hand dryer mechanism.
 - (ii) CMU requires a 1 for 1 ratio of hand dryer to paper towel dispenser.
- d. Toilet Paper Dispensers WHSE #104882; Series I Insight JRT JR. ESCORT; Product Code: 09507; Color: Smoke Grey; Size: 16"x13.88"x5.75" with stub roll feature and key lock.
- e. Provide feminine Hygiene disposal containers in all women's restroom stalls.
- f. Provide dual sanitary napkin/tampon vendor dispenser.
 - (i) American Specialties, Inc. Model 0468-25

1. No. 4 Satin Finish
 2. 50 cent factory installed coin operation
- (ii) It is CMU's preference to have one located in women's restroom on main level.
- g. Baby changing stations: As a minimum, all single stall restrooms located on a buildings main floor will be prepped with a baby changing station. If there are no single stall restrooms available, then men and women restrooms will become the alternative. For buildings that houses a large public venue, the project team will review and expand baby changing station placement appropriately.
- (i) Per ASTM I 2285, "Standard consumer safety performance specification for diaper changing tables for commercial use".
- (ii) Manufacture and Finish to be chosen by the current Project Manager. Manufactures including, but not limited to:
1. American Specialties, Inc.
 2. Brocar Products, Inc.
 3. Diaper Deck & Company, Inc.
 4. GAMCO Specialty Accessories; a division of Bobrick Washroom Equipment, Inc.
 5. Koala Kare Products; a division of Bobrick Washroom Equipment, Inc.
 6. SSC, Inc.
 7. Tubular Specialties Manufacturing, Inc.

4. Restroom Partitions

- a. CMU requires phenolic toilet partitions
- b. CMU requires a slider lock on partition doors.

5. Time Clocks

- a. At a minimum one (1) time clock shall be installed in all new building construction. The time clock shall be located near the service entrance and be the current specification for time clocks used on campus.

01 8420 SPACE PROGRAMMING REQUIREMENTS

Refer to CMU Office Standards

01 8716 FURNISHING PERFORMANCE REQUIREMENTS

Preference is four machines at each vending location; one each snack, water, Coke, Pepsi

Central Vending Snack Machine (Need four inches between vendors)

Width = 40"

Height = 72"

Deep = 36"

Central Vending Juice Machine (Need four inches between vendors)

Width = 40"

Height = 72"

Deep = 36"

Coke – Model DN 5800 (Need space between vendors)

Width = 53"

Height = 72"

Deep = 36"

Pepsi - Model #208 (Normal) (Need four inches between vendors) Width = 47"

Height = 72"

Deep = 32"

Pepsi - Model # 221 (High Volume) (Need four inches between vendors)

Width = 42"

Height = 72"

Deep = 35"

Central Vending - Sanitary Vending

Width = 10"

Height = 26"

Deep = 7"

Current Vend Rate - \$.50

Bradley 4017-11 #43 (.50 cent) White or Off White

Central Vending uses Dual 1 vendor

01 8916 SITE IMPROVEMENTS PERFORMANCE REQUIREMENTS

1. Landscape Design Requirements

- a. The Architect shall hire Marlies Manning, Manning Design, Big Rapids, MI (231) 796-5978 for all landscape design. Marlies shall set direction by developing the landscape design concept; and review the implementation document at every SD, DD, and CD review defined in the contract for each project.

2. Landscaping Topsoil Mix

For Lawn areas and Landscape Beds:

- a. 6" screened topsoil meeting the requirements as detailed in Division 32 Section 32 9100 Topsoil.
- b. All existing topsoil, if determined to be of poor quality, shall be removed from campus. No existing topsoil shall be reused as part of the placement of topsoil, final grading or seeding.
- c. Seed Mix shall be:

Purity	Type	Germ.
50%	Kentucky Bluegrass	85%
50%	Perennial Ryegrass	90%
Crop 1.4%	Inert. 1.65%	Weed 1.15%

3. Sidewalks

- a. Sidewalk construction to be 6" thick concrete over 6" 22A compacted gravel. Reinforced with 6: x 6: w2.9xw2.9 W.W.F on #7 bar chairs spaced 4' O.C.. Minimum width shall be 8'. Poured concrete to be Class C air – entrained not less than 5% or more than 8%. Finished concrete must test a minimum of 4,000 lbs. compressive strength at 28 days to be accepted.
- b. All new sidewalks shall have 3 feet on each side from any structure to allow for snow piles.
- c. All building entrances shall have an ice melt system installed within 25 feet of the door(s).
- d. In locations where the sidewalk is classified as a "Primary Fire Access Route" the width of the sidewalk shall be 20 feet.

01 8919 SITE PLUMBING UTILITIES PERFORMANCE REQUIREMENTS

1. Storm & Sanitary Sewer Cleaning

- a. Vacuum all Storm and Sanitary Sewer Structures within the project limits and one structure beyond the project limits prior to final inspection.
- b. Jet and flush all Storm Sewer and Sanitary Sewer lines between each structure.

- c. All structures shall be pre-cast concrete. At each joint section the contractor shall apply waterproof mastic and wrap with filter fabric. Also apply waterproof mastic at the adjusting rings and wrap with filter fabric.

2. Water Mains

Shall be designed and constructed in accordance with the City of Mt. Pleasant Standard Specifications which can be located at www.mt-pleasant.org

3. Sanitary Sewers

Shall be designed and constructed in accordance with the City of Mt. Pleasant Standard Specifications which can be located at www.mt-pleasant.org

END OF SECTION

DOCUMENT CONTROL PAGE:

Document Published:	December 17, 2007
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Approved By:	Steve Lawrence

Revision History:

Date	Revision	Approved By:
05.27.09	Ice melt system in sidewalks Removed Fiberglass reinforcement from Sidewalk Construction Standard. Inserted additional requirements for the campus tunnel system	Steve Lawrence
06.09.09	Relocated Tunnel Requirements to Division 33 Site Utilities	Steve Lawrence

09.18.09	Revised section 03000 LEED Certification	Steve Lawrence
11.11.09	Revised Numbering System to reflect 2004 CSI format. Inserted Section 01 8919 Site Plumbing Utilities Performance Requirements Revised Section 01 8413 Interior Construction Performance Requirements, Parts 1, 2, 3, and 4.	Steve Lawrence
1.27.12	Revised section 01 8413 Interior Construction Performance Requirements and Section 01 8919 Site Plumbing Utilities Performance Requirements	Steve Lawrence
1.22.13	Revised section 01 8413 restrooms; removed items a, b, c, and d. These items were incorporated into Division 22 Plumbing.	Steve Lawrence
4.11.13	Revises section 01 8113 to include Universal Design	Steve Lawrence
10.11.13	Revised section 01 8413 Interior Construction Performance Requirements.	Steve Lawrence
2.10.14	Revised section 01 8113 Universal Design	Steve Lawrence
5.2.14	Added section 01 3500 Special Procedures	Steve Lawrence
3.31.16	Added Landscape Design Requirement in Section 0108916 Site Improvements Performance Requirements	Steve Lawrence
3.6.17	Revised Section 01 8113 Sustainable Design Requirements	Jonathan Webb
10.8.18	Revised Sections 01 8413, 01 8420, and 01 8916	Jonathan Webb
8.28.19	Revised Sections 01 8413 Interior Construction Performance Requirements	Linda Slater, Andy Reihl, Matt Oberlin, Quinton Mitchell
2.28.20	Revised Section 01 8916	Linda Slater
1.14.21	Removed references to Toole Design Group	Andy Reihl