A. Doors

1. Exterior and interior single doors shall be 1-3/4 inch thick, 3 feet wide, and 7 feet high, minimum.

2. Where required for maintenance purposes, the width may be enlarged to 4'-0" wide; however the 7'-0" height shall not be modified.

3. Specify pre-finished, pre-machined, solid wood (staved) core doors, Structural Composite Lumber (SCL) doors or Laminated Strand Lumber (LSL) core doors with finish as required.

4. Particle board core doors are not acceptable.

5. If gypsum core doors are required for fire rating, wood edges shall be increased to provide solid backing for hardware such as hinges, locksets, and door closers or through-bolts shall be used for fastening.

6. All glazing in fire doors shall be a labeled fire rated glass installed in accordance with NFPA 80. Fire doors shall have 3 inch x 33 inch wire glass for a 1-1/2 hours "B" labeled doors. Wire glass shall be square in shape, not diamond.

7. Cross-corridor doors shall be Graintech 18 ga., fire-label where required used in conjunction with Von Duprin Impact exit device.

B. Frames

1. Door frames should be standard metal frames where ever possible; however, to allow for architectural considerations frames can be modified with the prior approval of Department of Architecture, Engineering, and Construction.

2. Hollow metal frames shall have welded corners; 16 gage interior and 14 gage exterior. Include 3 silencers for single doors and 2 silencers for double doors.

3. Storefront assemblies are not desirable. If the highest quality store front assemblies are acceptable by O&M, then a 10" high (minimum) base
4. All wood and metal doors shall have minimum 5" stiles.
A. Insulated glass shall be specified to reduce heat gain and heat loss.
This section applies to the Lock Function for the following rooms:

- Offices, Conference Rooms, and Libraries (office function lock, ML2067 or L9453).

- Mechanical Rooms, Custodial Rooms, Storage Rooms, and Computer Rooms (store room function lock, ML2057 or L9080).

- Classrooms and Laboratories (classroom function lock, ML2055 or L9070).

- Where electric strikes are to be used, they must be ML2057 or L9080.

A. Mortise Locksets

1. Only the following manufacturers will be used for Mortise Locksets.
   a. Corbin/Russwin ML2000 Series (NSM Trim)
   b. Schlage L9000 Series x 06N Trim

2. Lockset Specifications
   a. 2-3/4" backset
   b. 2 piece anti-friction latch bolt with a 3/4" throw
   c. 1" Throw Deadbolt
   d. Deadlock Latch
   e. Escutcheon Trim
   f. Lever Hand
   g. Face plate 1-1/4" x 8"
   h. Strike ASA 4-7/8" x 1-1/4" x 1-1/8" lip

B. Door Closers

Only the following manufacturers will be used for door closers

1. LCN 4040 Series Reg. Arm-Fire Doors
2. LCN 4040 Series Cush -n- Stop Arm-Exterior Doors
3. LCN 1460 Series or 1461 for Handicapped areas—Bathroom, Classroom, and Public area doors.

C. Handicapped Automatic Door Control Closers

1. Only the following manufacturers will be used for door closers.
a. Keane Monroe 2100 Series
b. Keane Monroe #59H Press wall switch
   During secure hours, fire egress is
   maintained manually and automatically but
   ingress is restricted to authorized card
   holders only.
c. Must interface with security system.

2. All door closers are to be thru-bolted in doors.

D. Cylinders

1. Only the following manufacturers will be used for
cylinders.
   a. Best Mortise Cylinder #1E74 (for Mortise
      Lockset and inside cylinder dogging on Von
      Duprin panic bars).
   b. Best Rim Cylinder #1E72 for panic bars.
   c. Schlage Mortise Cylinder (SFIC)
      #80-108 (Schlage mortise locksets)
      #80-104 (Von Duprin cylinder
dogging/mullions)
   d. Schlage Rim Cylinder #80-129 (for use on
      panic devices).

2. All Best and Schlage cylinders and Locksets are to
   be 7 pin interchangeable cores.

3. All Best and Schlage cylinders to be supplied with
   brass construction cores.

E. Hardware

Manufacturers shall be as specified for the following
pieces of hardware. No substitutes will be accepted.

1. Exit and Panic Devices: Von Duprin Series
   a. 99
   b. CD99
   c. SD-EL99
   d. 99-F
   e. 9547-F x LBR cross-corridor doors
   f. KR4954 keyed mullion
   g. KR9954 fire-rated keyed mullion
8.03 HARDWARE SPECIFICATIONS (12-2-02)

h. EPT-10 (required w/SD-EL99’s)
i. PS-873x2 power supply

2. Device Trims: Von Duprin Series
   a. 990EO
   b. 990NL
   c. 992L
   d. 992L-Rigid

3. No surface type vertical rod device.

4. All devices are to be thru-bolt in door.

F. The following manufacturers are acceptable for ALL finish hardware; no substitutes shall be accepted.

   1. Cylinders: Best or Schlage
   2. Closers: LCN
   3. Mortise Locksets Corbin/Russwin or Schlage
   4. Exit Devices: Von Duprin
   5. Cylindrical Locksets: Best or Schlage - 7 pin

G. The A/E is responsible for specifying finish hardware in accordance with the above UMCP hardware standards and ADA requirements.

H. All finish hardware shall be keyed to the existing UMCP keying system.

J. Install 8” high (minimum) kick plates on both sides of exterior doors.
A. Aluminum clad wood windows have been designated as the UMCP window standard. Exterior surfaces shall have a 70% Kynar factory finish. Windows that are operable are preferred. Provide insect screens for operable windows and thermal-break frames for all windows.

B. Windows and skylights shall be designed with maintenance and security in mind.

C. Aluminum windows are acceptable as required by the specific design and with prior approval of FM. However, they must be capable of accepting insulated glass up to 1" in thickness with integral muntins and thermal-break frames when approved.

D. Include provisions in accordance with OSHA requirements for cleaning windows.