080000  DOORS AND WINDOWS

PART 1  GENERAL

1.01  RELATED SECTIONS

A. Section 080100 - Doors and Windows - Repair and Replacement

1.02  GENERAL

A. Hollow Metal Manufacturers Association (HMMA): All doors and frames shall be designed in consideration of the recommendations by HMMA, except HMMA 860, Guide Specifications for Hollow Metal Doors and Frames, which is for residential use.

B. The minimum door width shall be 3’-0” unless otherwise approve by the University.

C. All windows shall demonstrate compliance with requirements indicated in AAMA/WDMA/CSA101/I.S.2/A440-08 for operating force, air infiltration, water penetration, uniform load, forced-entry resistance and durability tests for the type and performance grade of window units required.

1.03  MATERIALS AND HARDWARE

A. Hollow metal doors shall be 1-3/4" thick, flush type, reinforced and sound deadened. Steel door face sheets shall be not less than 18-gauge for interior doors and 16-gauge for exterior doors.

B. All doors and frames shall be factory cut, drilled and tapped for hardware with openings reinforced. Door frame corners and joints shall be welded. Frames shall have floor anchors.

C. Metal gauges for door frames shall be:

| Doors 3' wide and 7' high or less | 16 gauge |
| Over 3' wide or 7' high | 14 gauge |
| Exterior, UL labeled, and all doors active | 14 gauge |

D. Exterior hollow metal doors shall conform to the New York State Energy Code and have closed tops. Exterior frames and doors shall be galvanized, factory “bonderized” and prime coat baked on. Exterior hollow metal frames shall have a thermal break and be weather stripped.
E. Hollow metal frames shall be of a width to fully conceal access control power transfer hardware. (Typically 2” min.)

F. All wood doors shall be solid core, 1-3/4" thick, flush type, oak or other approved veneer with factory finish. Doors shall have institutional level concealed blocking for closers and other hardware. High performance buildings shall have wood doors with bonded structural composite core, AWI premium grade, 5-ply, factory finish.

G. Steel and wood doors with a full glass light shall have sufficient rail and stile height/width and reinforcing to prevent racking and allow for wiring pathways when access control hardware is required.