

## **DIVISION 8 - DOORS AND WINDOWS**

### **Section 08000 - General Discussion**

#### **Introduction**

This General Discussion Section contains material which is critical to successful door and window installations, in new construction and renovation, but which is not the sole responsibility of any individual trade. In many cases, the issues involved are fundamental to the basic design of the project, and the success or failure of this element of the project is determined at the very outset of the design process.

The Consultant is expressly responsible for incorporating these overall requirements into the project, and for ensuring that all subconsultants are aware of the requirements and incorporate them into their designs as well.

Reliance on "after-the-fact" material selections to compensate for a problematic design decision is unacceptable.

*The use of wired fire rated safety glass has been determined an undesirable safety risk and is no longer allowed. Consequently glazed openings in fire rated doors and windows will require the use of fire rated glass.*

#### **Major Entrances**

Generally, major building entrances will utilize some sort of monumental storefront system. All other exterior doors and frames should be steel.

#### **Multiple Doors, Pairs of Doors, Banks of Doors**

Exit widths in excess of 3'-0" are often required in major facilities. In such instances, the University prefers to use banks of single leaf doors, rather than double doors with center mullions. This requirement includes the following situations:

- major building entrances
- assembly occupancy entrance/exits (both interior and exterior)

In such situations which also require large widths for passage of equipment, use wider door leaves.

Preferably, use overhead doors as the primary means for passage of equipment.

Since the University does not use vertical rod exit devices, pairs of doors will necessarily have center mullions. In situations where use of center mullions is unavoidable and which also require large widths, the mullions must be removable. Specify these mullions in Section 08710 - Hardware.

Do not specify center mullions for double-egress doors in corridors.

#### **Large Interior Doors**

Where interior spaces require large doors for the passage of equipment (e.g. general laboratories, shared equipment laboratories, etc.), specify 3'-6" or 4'-0" single leaf doors (with appropriate adjustments in frame gauge and hardware requirements) rather than pairs of 3'-0" + 1'-0" doors.

#### **Coordination and Preparation**

Make specific references to ensure that requirements for coordination of doors, frames, and hardware, is clearly included in the Contractor's scope of work. This often involves the steel door and frame supplier, the wood door supplier, the hardware supplier, and the installers of these materials. While this type of coordination is implicit in the Contractor's scope, a specific reference provides an additional level of comfort.

A common example of the lack of this coordination is an interior wood door in a steel frame with a smoke gasket. If even one of the trades involved fails to properly coordinate, it is likely the door will not close and latch properly against the gasket.

The Consultant should also ensure during submittal review that such issues are clearly identified in the submittals of all the trades involved.

**End of Section 08000**