

Openings

Examples - Openings

- View windows
- Clerestory windows
- Roof monitors, unit and tubular skylights
- Entrance assemblies
- Interior doors
- Exterior doors

Standards - Doors and Windows

1. Air infiltration rate of less than 0.4 CFM/ft performance class AW and grade 65 by the American Architectural Manufacturing Association (AAMA)
2. Testing for thermal performance according to AAMA 1503
3. Not less than 26 STC when tested for sound transmission loss according to ASTM A90
4. Operating window sash to be factory glazed.
5. Windows to be double glazed and have low emissive coating.
6. Glass for exterior doors and sidelights shall comply with state fire prevention codes. Provide vestibule at main entrance.
7. In un-rated assemblies, glass for interior doors shall be a minimum of ¼ inch clear tempered.
8. Interior doors to be solid-core wood and factory finished except in PE, Shop, Gyms, Labs and Locker rooms. Unfinished doors may be used for renovations and additions. 1 ¾" 16 ga. insulated hollow metal doors with 18 ga. frames may be used in lieu of wood.
9. For a high degree of sound isolation on both interior and exterior doors, provide full perimeter gaskets and automatic door bottoms with a neoprene element for acoustical doors and an STC rating appropriate for the intended use.
10. On exterior doors, provide full perimeter weather-stripping and thresholds.
11. Exterior hollow metal doors shall be insulated.

Performance Guidelines - Openings

- Provide uniform light distribution
- Provide low glare
- Reduce energy costs
- Mitigate safety / security concerns
- Low maintenance
- Provide day lighting that uses diffused or reflected sunlight
- Provide window views to help eye health and help reduce stress
- Encourage "top lighting" to provide best uniform illumination
- Consider natural daylight for all academic spaces
- Minimize east and west facing glass

Guidelines - Doors and Windows

- Consider selection of interior doors constructed with recycled or recovered content and low VOC (volatile organic compounds) if available
- Consider selection of interior doors with wood veneers harvested from sustainable forests if available