

Part 1 General**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards below when specifying glazing and related items. These standards are not intended to restrict or replace professional judgment.

1.2 Design Requirements**.1 Exterior Glazing**

- .1 Specify 1-inch thick, low-e coated, argon gas filled insulating glass in all vertical vision glass panels. Where spandrel glass is used, do not specify units with insulation board adhered to inside surface. Where metal filler panels are used, specify the 1-inch thick aluminium sandwich panels with rigid insulation core. Also, refer to Section 08 50 50 – Windows, Part 2.2.4

.2 Interior Glazing

- .1 All interior doors that require glazing shall be glazed with 6 mm (1/4") clear, tempered glass set in continuous gaskets on both sides.
- .2 All fire rated exit doors that require glazing shall be glazed with 6 mm (1/4") polished wire glass and set in continuous gaskets on both sides and shall not rattle when door is slammed.
- .3 Interior windows shall consist of tempered glass panes. Glass shall be clear, 6 mm (1/4") thick, free of distortions, polished plate or float, with neoprene setting blocks and glazing tape.
- .4 For frosted glass, a glazing film shall be added, type "White Frost" by ASWF or "NRM PS2 Frosted" by Llummar or approved equivalent.



- .3 For thermal resistance requirements see Table **01 83 16 2.1.2** Climate Zone 6, Small to Medium Office Buildings (ASHRAE 50% Advanced Energy Design Guide for Small to Medium Office Buildings).

1.3 Guarantee

- .1 Guarantee is required for all work under this section for a period of ten (10) years from the date of substantial completion of the work.

Part 2 Products**2.1 Preferred Products**

- .1 For products with Environmental Product Declarations (EPDs), which may contribute to LEED® v4 MR Credit Building and Disclosure Optimization – Environment Product Declarations, refer to:

- .1 UL Environment <http://productguide.ulenvironment.com/>

- .2 For products certified Cradle to Cradle (C2C) and/or with Health Product Declarations (HPDs), for LEED® v4 MR Credit Building Product Disclosure and Optimization – Material Ingredients, refer to:
 - .1 HPD Library <http://hpd.smithgroupjjr.org/>
 - .2 Cradle to Cradle Products Innovation Institute
<http://www.c2ccertified.org/products/mhcregistry>
- .3 Materials that are locally sourced (extracted, manufactured, and purchased) within 160 km (100 miles) are preferred and will increase cost values for credit calculations in the Materials and Resources Building Product Disclosure and Optimization credits.

2.2 Transparent Mirror glass

- .1 Shall be “Mirropane T.M.” by Pilkington, or approved equivalent.

2.3 Red film for animal facilities

- .1 Shall be “Rose red” as distributed by Pelti Vitres teintées, or approved equivalent.

END OF SECTION