

DESIGN CRITERIA

1. Related Sections: See related Division 05, Division 08, and Division 13 Design Criteria, Commissary Door Schedule in Appendix "A", and related Design Standard Plates.
2. This Section includes double action, self-closing, lightweight, impact resistant doors (i.e., traffic doors) and flexible vertical strip barrier doors (i.e., plastic strip curtains).
 - A. Type "FF" non-sealed traffic doors are typically used at air-lock vestibules located between conditioned sales areas and non-conditioned storage areas. This door type also provided at bakery /deli service entrance, with padlock brackets so doors can be secured during non-business hours. Coordinate with door schedule.
 - B. Type "GG" sealed traffic doors are typically used at cold storage room door openings with frequent pedestrian, as well as forklift traffic, that do not have sliding or swinging cold storage doors. At door openings requiring both traffic doors and either sliding or swinging cold storage doors, spring bumpers will project out too far and conflict with sliding doors which will result in sliding doors being knocked-off track or traffic doors being damaged. At these locations, spring bumpers will be used on one side of traffic doors, opposite the sliding door. The traffic door side facing the sliding door will have no spring bumper but will have scuff plate instead. This condition typically only occurs at Bulk Meat Storage (RM. 59) between Sales Area (RM. 69), Meat Preparation (RM. 55, and Meat Wrapping (RM. 56).
 - C. Type "O" plastic strip curtains are used at cold storage room door openings that have either sliding or swinging cold storage doors, to minimize loss of refrigeration cooling when cold storage doors are open.

Refer to Commissary Door Schedule for specific door locations.

3. Color of traffic doors shall be indicated in the Contract Documents. Standard color shall be "black."
4. Traffic doors are subject to heavy usage. It is imperative that structurally adequate door frames be provided at all traffic door locations.
 - A. Cold storage room wall panels have built-in structural framing to accommodate traffic doors. Stainless steel frames (18 gauge) shall wrap head and both jambs of door opening to provide additional rigidity and impact protection.
 - B. Structural steel channels (6" minimum face width) shall be used as door frames at concrete masonry unit (CMU) partitions. Channels shall be securely anchored to CMU construction and grouted solid.
 - C. Reinforced 14 gauge flush galvanized steel security frames shall be used at gypsum wallboard (GWB) partitions. Frames shall be securely anchored to partition framing and floor. Reinforce frames with 1/4" steel plate at all hardware attachment locations. Reinforcing shall be welded to concealed face of frame.

END OF SECTION