

DESIGN CRITERIA

1. Related Sections: See related Division 05 Design Criteria and related Design Standard Plates.
2. Wall and equipment guards are required at numerous locations throughout commissary facilities, and are considered operational necessities.
 - A. Protection Posts: Provide at all exposed corners within sales area and other customer areas. Protection posts are stock-manufactured chrome plated steel, expansion bolted to the finish floor. Protection posts shall also be provided to guard leading edges of automatic entrance doors.
 - B. Flexible Bollards: Provide at Frozen Food Storage areas where the thru-penetration of a steel bollards (see criteria section 05 50 13 METAL FABRICATIONS) could cause below slab freezing and heaving to occur. Provide in stores with a structural concrete slab where the installation of steel bollards (see criteria section 05 50 13 METAL FABRICATIONS) could compromise the steel reinforcing in the structural concrete slab.
 - C. Cart Rails: Provide at shopping cart storage areas, mass display areas adjacent to customer checkout areas, and at end checkout counters as required to identify checkout aisle width. Provide double rail system at end checkout counters. Provide triple rail system at shopping cart storage areas and mass display areas. Cart rails are stock-manufactured chrome plated steel, expansion bolted to the finish floor.
 - D. Cart Bumper: Provide spring type floor mounted cart bumpers to protect sliding doors at walk-in cold storage rooms, and wall surfaces at cart storage areas subject to contact by shopping carts. Cart bumpers are stock-manufactured chrome plated steel, expansion bolted to the finish floor.
 - E. Case Corner Guards: Provide at exposed corners of all refrigerated display cases in sales area. Not required at movable refrigerated display cases. Case corner guards are stock-manufactured chrome plated steel, expansion bolted to the finish floor.
 - F. Stainless Steel Bumper Rails: Provide at display cases as identified in Design Standard Plate 10 26 00-02. Bumper rails are stock-manufactured in stainless steel and removable for daily floor cleaning. Provide detailed information on contract documents identifying bumper rail layout and required spacing at each display case line-up required to have bumper rail protection.
 - G. Wood Bumper Rails: Provide double wood bumper rails at all locations within customer areas that are subject to impact damage from shopping carts. Clearly identify extent of wood bumper rails on floor plans and interior elevations of sales area. Refer to Design standard Plate 10 26 00-01 for additional information. Coordinate mounting/rough-in height of utilities (electrical receptacles, hose bibs, etc.) on walls with double wood bumper rails.
 - H. Rigid Wall Covering: Provide rigid wall covering on all walls that have double wood bumper rails and on employee breakroom walls as indicated in Appendix "A" Standard Commissary Room and Finish Schedule. Refer to Design Standard Plate 10 26 00-01 for additional information.

END OF SECTION