	Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL Chapter: 01 - Yale Design Standard Division: 08 00 00 Openings	Section: 08 70 00 Requirements for Finish Hardware
		Date: December 2023
		Author: Office of Facilities

PART 1 - INTRODUCTION

1.1 PURPOSE

This section contains general design criteria for finish hardware.

PART 2 - GENERAL DESIGN REQUIREMENTS

2.1 MATERIALS


Finish hardware materials must conform to the following standards.

A. Hinges, Butts and Pivots

1. Hinges, butts and pivots must be full-mortise, five-knuckle, self-lubricating, ball-bearing type.
2. Approved manufacturers include:
 - Hager
 - Lawrence
 - McKinney
 - Stanley
 - Rixson-Firemark
 - Other manufacturers of approved, equivalent materials.
3. Provide non-removable pins for out-swinging exterior doors and for lockable interior doors. Provide non-rising pins at all other doors.
4. Provide no fewer than three hinges per door up to a height of 90". Provide one additional hinge for each additional 30" in height.

B. Locksets and Latchsets

1. Cores-All cores shall be Best 1C7 removable 7-pin cores. Permanent cores will be purchased directly by the Yale Lock Shop.
2. Cylinders-All cylinders shall accept Best 1C7 removable 7-pin cores.
3. Mortise Locks-All mortise locks shall be Sargent 8200 series or Best 45H Line.
4. Cylindrical Locks-All cylindrical locks shall be Sargent 10 Line, Best 93K series or Schlage ND series. 1. OPTION: Cylindrical Locks on new construction shall be Sargent 11 Line lockset.
5. Elevator Switches-All elevator lock-out and on/off switches shall be Best 1W7 series.

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C. Closers

1. Use LCN 1461 or Sargent 1431 series closers on low-frequency interior doors.
2. Use Sargent 351 or LCN 4040 series closers on high-frequency exterior doors.

D. Miscellaneous Hardware

1. Use HES or Von Duprin electric strikes.
2. Use Sargent 80 series, or Von Duprin 98 series exit devices. At narrow stile doors, use Sargent 80 series or Von Duprin 35A series.
3. Use Rockwood/Rixson or Ives/Glynn-Johnson, or Trimco for bolts, door trim, protection plates, push/pulls and door stops and holders
4. Use Rixson, ABH or approved equivalent electromagnetic hold-open devices.
5. Use Sentrol magnetic switches.
6. Use door silencers on all interior metal doors.
7. Use Detex or Sargent auxiliary exit and security alarms at existing doors or doors where security alarm cannot be built into exit devices.
8. Use Horton, Gyro Tec or Besam power assisted door operators at all major building entrances and vestibules.

E. Interior Sliding

Bi-folding and pocket door hardware shall be manufactured by Stanley Hardware, Hettich-Grant or Pemko.

F. Closet Hardware


Use Knappe and Vogt, Stanley Hardware, or approved equivalent closet hardware.

G. Weatherstripping

Use Reese, Pemko, Nation Guard Products, or Zero International thresholds.

H. Fire-Rated Assemblies

Fire-rated assemblies must be UL labeled where required by authorities having jurisdiction

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