**Keying System:**
University Facility Services Campus Key Coordinator designs keying system.

**Contractor:**
General: Submit proposed keying system to Architect for review and written approval by Trustees, and copy of Best Access (Stanley Security Solutions) Purchase Order Number to Architect for Trustees Records.

Closeout Submittal: Submit three hard copies and one electronic copy of final keying schedule.

Products: Key locks and cores at factory and maintain permanent records of information.

Execution: After submittal and approval of keying system by Trustees, submit manufacturer’s Purchase Order Number for Trustees to order cores and keys. Manufacturer shall deliver permanent keys, control keys and cylinder cores directly to Trustees Representative. Installation of cores shall be by the University.

Coordinate installation of permanent cores by University Lock Shop with Trustees Representative.

**Keys:**
Keys shall be provided by and issued by the University Key Shop. This is to ensure chain of custody and to provide a level of security acceptable to the University.

**Hinges and Pivots:**
Campus Preferred Manufacturers:
- Hager Companies: Exterior -- Stainless Steel, Ball Bearing Part #BB1191; Interior – Plated with 626 Finish, #BB1279BB
- McKinney Products Company, Division of Assa Abloy
- Stanley.
- Continuous hinges are not preferred, use adjustable pivots.

**Pivots and Pivot Hinges:**
All pivots shall be adjustable. A top, bottom and intermediate pivot is required.

Campus Preferred Manufacturers:
- Ives; Division of Allegion
- Rixson-Firemark, Inc.; Div. of Assa Abloy
- National Manufacturing 101 Retro Kit
**Continuous Pin and Barrel Hinges:**
Continuous hinges must have University approval prior to specifying or installing. These are allowed under special conditions only.

Campus Preferred Manufacturers:
- Pemko
- Markar Products, Inc.
- McKinney Products Company; Div. of Assa Abloy

**Mechanical Locks and Latches:**
Campus Preferred Manufacturers:
- Best Access Systems – 45H Series

Campus Acceptable Manufacturers:
- Schlage Lock Company; an Ingersoll-Rand Company – L94 Series (may be used with approval of the University)

**Electric Mortise Locksets:**
Campus Preferred Manufacturer:
- Schlage L-Series

**Surface Bolt:**
Campus Preferred Manufacturer:
- Door Controls International
- Don-Jo Manufacturing
- Hager Companies
- Ives: H.B. Ives
- Rockwood Manufacturing Company
- Triangle Brass Manufacturing Company, Inc.

**Flush Bolts:**
Campus Preferred Manufacturers:
- Door Controls International
- Don-Jo Manufacturing
- Hager Companies
Ives: H.B. Ives
Rockwood Manufacturing Company
Triangle Brass Manufacturing Company, Inc.

Exit Devices:
Prefer rim device over vertical rods. Preferred Manufacturer:
• Von Duprin, Division of Allegion – Series 98 or 99.
Not Recommended:
• Adams Rite Manufacturing Co. – Products are low quality and don’t hold up.
• Corbin Russwin – Push pads rust and become a maintenance issue.

Cores and Cylinders:
Small format interchangeable core type, constructed from brass or bronze, stainless steel, or nickel silver.
Number of Pins: Seven
Mortise Type: Threaded cylinders with rings and appropriate cam to suit lock function and type.
Required Manufacturer:
• Best Access Systems.
• Medeco Keymark

Construction Keying:
Construction Master Keys:
Provide temporary construction master keys (provide adequate number of master keys during construction for University access and inspection.) See Section 08 06 05 – Key Schedule for other keys.

Construction Cylinders:
• Provide construction cores.
• Permanent Keying: University installs permanent cores.

Electric Strikes:
Campus Preferred Manufacturers:
• Best F2164 – Fail Secure, continuous duty
• Hes Innovations (1006, 9600)
• Von Duprin
Operating Trim (push/pulls):
Campus Preferred Manufacturers:
  • Don-Jo Manufacturing
  • Forms & Surfaces
  • Triangle Brass Manufacturing Company, Inc.

Accessories for Pairs of Doors:
Campus Preferred Manufacturers:
  • Coordinators:
    o Don-Jo Manufacturing
    o Hager Companies
    o Ives: H.B. Ives
    o Door Controls Internationals
  • Removable Mullions:
    o Von Duprin, Division of Allegion
    o Note: “Key Removable” when needed.
  • Astragals:
    o National Guard Products, Inc.
    o Pemko Manufacturing Company, Inc.
    o Reese Enterprises, Inc.

Closers:
Campus Preferred Manufacturers:
  • Surface-Mounted Closers:
    o Preferred - LCN, Division of Ingersol-Rand, 4040 Series, mounting: inside of door, parallel arm preferred.
    o Acceptable with University approval - Corbin Russwin, DC6200 Series.
  • Electromechanical Closers:
    o LCN, Division of Allegion
    o Norton, Division of Assa Abloy
  • Concealed Floor Closers: Not preferred because replacement is expensive and difficult.
  • Closer Holder Release Devices:
    o Not preferred because of wear and tear on top hinge.
- Corbin Russwin Architectural Hardware, Division of Assa Abloy.
- Rixson-Firemark, Inc., Division of Assa Abloy.
- Overhead Stops: Not preferred because pull hinges out causing door to sag, and damages door jambs.

**Protective Trim Units:**
Campus Preferred Manufacturers:
Metal Protective Trim Units:
- Don-Jo Manufacturing
- IPC Door and Wall Protection Systems, Inc.
- Triangle Brass Manufacturing Company, Inc.

Stops and Holders:
Preferred Manufacturers: Metal Protective Trim Units:
- Don-Jo Manufacturing
- Ives: H.B. Ives
- Norton Door Controls, Division of Assa Abloy.
- Rixson-Firemark, Inc., Division of Assa Abloy.
- Triangle Brass Manufacturing Company, Inc.

**Door Gasketing:**
Campus Preferred Manufacturers:
- Door Gasketing:
  - National Guard Products, Inc.
  - Pemko Manufacturing Company, Inc.
- Door Bottoms:
  - National Guard Products, Inc.
  - Pemko Manufacturing Company, Inc.

**Thresholds:**
Campus Preferred Manufacturers:
- Thresholds: Meet ADA Access requirements.
  - National Guard Products, Inc.
  - Pemko Manufacturing Company, Inc.
o Rixson-Firemark, Inc., Division of Assa Abloy.