PART 1 - GENERAL

1.01 General: Backset all doors with cylinder locksets (including combination lockets) 2 ¾ inch, with appropriate latch bolt reinforcing.

1.02 Quality assurance:

   A. Designer to request keying information from UAF FS prior to Design Development. Designer to provide hardware schedule to UAF FS Lock Shop for review prior to 65% design. Contractor to provide hardware submittal to UAF FS Lock Shop for final approval.

   B. Guarantees: Per general conditions except door closers guaranteed for 10 years.

1.03 Permanent keying and bitting: conform to the existing UAF campus (Best Lock/Schlage Lock) grandmaster keying system. Coordinate keying with the door numbering system. Verify required system with the UAF FS prior to initial submittal. Obtain written confirmation prior to completing hardware specifications.

   A. Verify that locksets and key cylinders installed in renovated areas or additions match existing key systems in building.

   B. All mechanical/utility rooms: Schlage 6 pin E keyway.

   C. All communication hub rooms, janitor closets, card reader overrides: Best 7 pin keyway. This applies to combination locks (electric or mechanical) as well.

1.04 All cylinders shall be (Best 7 pin interchangeable) (Schlage 6 pin standard) (Schlage 6 pin interchangeable) core and keyed into the existing factory registered Grand Master key system with a restricted keyway.

1.05 All new facilities shall be provided with owner provided a KNOX brand key box located on the exterior of the facility near the main fire department entrance. Coordinate with the FS/DDC Project Manager and the University Fire Department for specifications and final location. KNOX box shall be owner furnished contractor installed.

1.06 Door Operators: One paddle per door to prevent both doors opening and cold air infiltrating into the building.

1.07 Security Access Controls: Provide for activated or future card key access on doors as directed by UAF FS/DDC. In general, all exterior entrances shall have at least one door activated by the Division 28 Security Access Controls. Interior doors shall be wireless where feasible. At a minimum, prepare door and hardware for future access on all classroom, laboratories, and mechanical spaces.

1.08 Warranty: Specify extended warranties for door closers, operators, exit devices, and electronic locksets.
1.09 Spare Parts: Specify one (1) each of each hardware component except two (2) each of each mechanical locksets, wireless locksets, door closers, and exit devices. Additional quantities may be requested by FS Maintenance for new buildings.

PART 2 – PRODUCTS

2.01 Keying: All keys and lock cores either Schlage or Best original.

2.02 Mechanical Locksets: All locksets, except for combination locksets, within a given building by the same manufacturer. Locksets either Schlage or Stanley Hardware (Best Lock) only. Cylindrical Lever locksets with backset of 2 ¾ inch. Coordinate with UAF FS and select appropriate locksets for the particular building.

A. Provide mechanical push button combination lock similar to a Kaba Simplex for all utilidor access doors.

2.03 Butt hinges: McKinney, Stanley, Ives

2.04 Door closers: LCN(Basis of Design) or Stanley; No alternate brand; No substitutions.

2.05 Exit devices:

A. Rim exit device: Von Duprin (Basis of Design) or Precision

B. Mortise exit device: Von Duprin (Basis of Design) or Precision (require Fail Secure on Exterior Doors)

C. Surface vertical rod exit device: Von Duprin (Basis of Design) or Precision

D. Vertical concealed rod exit device: Von Duprin (Basis of Design) or Precision

E. Push/pulls: Trimco, Ives, or Von Duprin.

F. Automatic Door Openers: Von Duprin

2.06 Flush bolts: Trimco, Ives, Architectural Builders Hardware (ABH)

2.07 Automatic flush bolts: Trimco, Ives, Architectural Builders Hardware (ABH)

2.08 Removable mullion cylinders: Stanley Hardware (Best) only

2.09 Door stops, Overhead Door Stops, and Holders: Glynn-Johnson, Rixson, Architectural Builders Hardware (ABH)

2.10 Smoke gaskets and weather-stripping: Pemko; Sealeze; National Guard.

2.11 Magnetic door hold opens: LCN; Rixson; Architectural Builders Hardware.
2.12 Magnetic door locks: Von Duprin; Or Alternate Brand or Substitution Request required

2.13 Door operators, included ADA Doors: LCN, BESAM; Or Alternate Brand or Substitution Request required. (UAF will only accept an alternate brand if there is a locally trained service center or the alternate manufacturer is willing to train UAF FS Lock Shop Personnel at no cost to the University and have a readily stock of spare parts available)

2.14 Electronic locksets:
   
   A. Cylindrical Wired: Stanely (Best) 9KW or Schlage AD-300
   B. Mortised Wired: Stanley (Best) 45HW or Schlage
   C. Cylindrical Wireless: Schalge AD-400, Brand Name Only.
   D. Require Fail Secure unless otherwise directed.
   E. Confirm with UAF FS for current electronic lockset requirements as the University has moved towards wireless locksets on all interior doors and wired only on exterior doors and where wireless coverage is not feasible.

2.15 Power Transfer Devices or Electronic Power Transfer Devices: Von Duprin EPT, Securitron CEPT, Security Door Controls PTM.


2.17 Coordinators: Ives, Door Controls, Rockwood

PART 3 – EXECUTION

3.01 Specify that installer shall not use a drill motor to install screws in door hardware.

3.02 Specify thermal breaks in all systems including areas where exterior finishes may carry cold into the building such as sidewalks.

END OF SECTION