

**FINISH HARDWARE**

**PART 1 - PRODUCTS**

**1.1 MANUFACTURERS:**

- A. Listed acceptable alternate manufacturers: submit for review products with equivalent function and features of scheduled products.

<u>ITEM:</u>	<u>MANUFACTURER:</u>	<u>ACCEPTABLE SUB:</u>
Hinges	(IVE) Ives	Hager, McKinney
Cabinet Hinge	Grass #G13158	
Cabinet hinge Mounts	Grass #3803VS	
Continuous Hinges	(HAG) Hager	Pemko, Zero, Select
Pivots	(IVE) Ives	Rixson
Key System	(SCH) Schlage	None Available
Locks	(SCH) Schlage	None Available
Exit Devices	(VON) Von Duprin	None Available
Closers	(LCN) LCN	None Available
Auto Operators	(LCN) LCN	None Available
Auto Flush Bolts	(IVE) Ives	DCI
Coordinators	(IVE) Ives	Hager
Silencers	(IVE) Ives	Hager, Rockwood
Push & Pull Plates	(IVE) Ives	Hager, Rockwood
Kickplates	(IVE) Ives	Hager, Rockwood
Stops & Holders –	(IVE) Ives	Hager, Rockwood
Overhead Stops	(GLY) Glynn-Johnson	None available
Thresholds	(PEM) Pemko	Zero, Reese
Seals & Bottoms	(PEM) Pemko	Zero, Reese
Key Cabinets	(LUN) Lund	TelKee
Aluminum Door Locks	(ADA) Adams Rite	None

**1.2 HINGING METHODS:**

- A. Note: All exterior doors shall use wide-throw continuous hinges.
- B. Conventional Hinges: Stainless steel pins and concealed ball bearings. Hinge open widths minimum, but of sufficient throw to permit maximum door swing.
- C. Continuous Hinges:
1. Geared-type aluminum at exteriors.

1.3 LOCKSETS, LATCHSETS, DEADBOLTS:

- A. Extra Heavy Duty Cylindrical Locks and Latches: as scheduled.
  - 1. Schlage Deadbolt: B660 JD
  - 2. Padlocks: American interchangeable core Padlocks only
  - 3. Lock Series and Design: Schlage ND series, "Rhodes" design.
  - 4. Certifications:
  - 5. Schlage – **No substitution.**

1.4 EXIT DEVICES / PANIC HARDWARE

- A. Specific features:
  - 1. **Vertical rod devices are not acceptable.**
  - 2. Exterior doors: All exterior doors with panic hardware shall have Von Duprin 99 series devices.
  - 3. Electrically Operated Devices: Single manufacturer source for electric latch retraction devices, electrically controlled trim, power transfers, power supplies, monitoring switches and controls.
  - 4. Removable Mullions: Removable with single turn of building key. Securely reinstalled without need for key. Furnish storage brackets for securely stowing the mullion away from the door when removed.
  - 5. Device Trim: all devices with trim shall be Von Duprin 996L
  - 6. Von Duprin **no substitution**
  - 7. All exterior doors shall be active doors and shall be connected to the University access control system to comply with remote lockdown capability.

1.5 CLOSERS

- A. Surface Closers
- B. LCN 4040 where applicable
  - 1. All closers shall be provided with sex nuts and bolts standard.
  - 2. Overhead concealed and floor closers are not acceptable
- C. Single Point Hold Open Door Closure LCN 4040SE series connected to Fire Alarm Panel

1.6 Automatic Openers

- 1. LCN Senior Swing no substitution.

**1.7 KEYING REQUIREMENTS:**

- A. Key System: Schlage Everest D utility-patented keyway, interchangeable core. Utility patent protection to extend at least until 2014. Key blanks available only from factory-direct sources, not available from after-market key blank manufacturers. For estimate use factory GMK charge. Initiate and conduct meetings(s) with Owner and I-R Security & Safety Consultants representatives to determine system keyway(s), keybow styles, structure and degree of geographic exclusivity. Furnish Owner's written approval of the system. Supplier to contact University Lock Shop to determine the appropriate keyway.
1. Existing factory registered master key system.
  2. Construction keying: furnish temporary keyed-alike cores. Remove at substantial completion and install permanent cylinders/cores in Owner's presence. Demonstrate that construction key no longer operates.
  3. Furnish 10 construction keys.
  4. Furnish 2 construction control keys.
  5. All keyblanks are to be 35-015.
  6. All keyblanks are to be uncut and stamped "Do not duplicate"
  7. All keyblanks are to be unembossed.
  8. All cylinders are to be provided with three uncut keyblanks.
  9. Furnish 20 uncombined cores in addition to the cores required for the project.
- B. Key Cylinders: furnish utility patented, 6-pin solid brass construction.
- C. Cylinder cores: furnish keyed at factory of lock manufacturer where permanent records are maintained. Locks and cylinders same manufacturer.
- D. Permanent keys: use secured shipment direct from point of origination to Owner.
- E. Bidding List: use secured shipment direct from point of origination to Owner upon completion.