



**.1 General**

- .1 Use one manufacturer's products for related items.
- .2 Aluminum store front doors must use the hardware indicated below, including FBB/NRP leaf hinges (continuous or pivots not acceptable).
- .3 Products: to simplify maintenance and minimize parts stock, the following are University standards for all new and existing buildings, including Student Residences suites. ALL PRODUCTS LISTED BELOW SHALL BE AS SPECIFIED (NO SUBSTITUTIONS).

**.2 Locksets, Locks and Latches**

- .1 Finish
  - .1 TYPICAL: satin chromium (# 626).
  - .2 Where necessary to match existing: oil rubbed bronze (#613).
- .2 Electric hardware is preferred over electric strikes.
- .3 Locksets - Keyed:
  - Schlage 'ND' series - 6-pin cylinder - Rhodes lever handle (handle types other than lever are acceptable only when matching existing style takes priority, on a case by case basis).
  - Key schedule and Keyway to be supplied by UVIC.
- .4 Locksets – Key Pad: Schlage AD200CY70-PRK-RHO-626-PD with key override.
  - This item shall be installed at User's request with cost to the department (not the project).
- .5 Deadbolts: Schlage B600 series (installed 150 mm o/c above locksets)
- .6 Special function locksets may be used only with the FMGT Executive Director approval.

**.3 Exit Devices**

- .1 Panic Hardware:
  - Von Duprin "33/35" or "98/99" series.
  - Cylinder dogging is required unless using for EL hardware.
  - Interior doors (lecture halls and corridor doors): where vertical rod is required use surface mounted less bottom rod application.
  - Exterior doors (store front aluminum doors): where vertical rod is required internal rods are acceptable, top and bottom rods are required.

**.4 Door Closers and Accessories:**

- .1 Door closers: shall be surface mounted (not recessed), heavy-duty, made by a manufacturer having service facilities in British Columbia, time adjusted for wheelchair entry at regular speed.
  - .1 Acceptable product: LCN 4041 series, adjusted to level 3 for interior doors and level 5 for exterior doors with "back check selector valve" set on for all parallel arm applications.
  - .2 Provide thru-bolt connection for closers used with particleboard filled doors (ie. typical solid core).
- .2 Astragal: MUST be installed (on keyed side of door) at all double doors with one leaf fixed, as required to provide security and maintain the alignment of the door leaves and door hardware.
- .3 Co-ordinator: None

**.5 Automatic Door Operators:**

- .1 Automatic Openers shall be established in consultation with FMCA Locksmith and as follows:
  - Product: Horton 7100 series, or pre-approved equal.
  - Interior and exterior activation pads shall be hardwired.
- .2 Electric power transfers: Von Duprin EPT 2 or EPT 10 as required



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- .3 Battery operated activators are not acceptable.
- .4 Where possible, avoid mounting automatic door actuators (buttons) on the door frame. Provide in locations that suit ease of access and safe approach to the door such as an adjacent wall.

**.6 Hardware Schedule:**

Note: Schlage Vandlgard locksets are to be used on all new buildings. Lockset type at additions and renovations must be confirmed with the FMCA Locksmith, on a case by case basis.

- .1 Exterior Doors
  - Lockset: “Night Entry” - except for exit only doors (i.e. if a key is used to open a door, the door must automatically relock when the user removes the key)
  - Panic hardware in public areas
  - Door closers: LCN 4041
  - Hinges: FBB/NRP (Butt hinges only)
- .2 Service rooms (Janitor, Mechanical, Electrical, Communications, Elevator Machine Rooms, etc.)
  - Lockset: Schlage ND80PD/RHO or ND96PD/RHO (Vandlgard). Use PLY on exterior applications.
  - Door closers: LCN 4041
- .3 Washrooms (single user – without door opener)
  - Lockset: Schlage ND73PD/RHO or ND97PD/RHO (Vandlgard)
  - Door closer: LCN 4041
  - Accessible washrooms require a delayed action closer
- .4 Washrooms (single user – with door opener)
  - Auto door opener: Horton 7100 Series
  - Lockset: Schlage ND10S/RHO
  - Deadbolt: Schlage B660P – installed 150mm o/c above lockset
  - Electric Hardware: provide as required
- .5 Washrooms (multiple users)
  - Deadbolt: Schlage B663
  - Door closer: LCN 4041 delayed action
  - Push-Pull door hardware
- .6 Offices
  - Lockset: Schlage ND53PD/RHO or ND92PD/RHO (Vandlgard)
  - Door closer: LCN 4041, only where required by Code
- .7 Classrooms
  - Lockset: Schlage ND70PD/RHO or ND94PD/RHO (Vandlgard)
  - Door closer: LCN 4041, only where required by Code
- .8 Classrooms (with card access)
  - Lockset: Schlage ND80PD/RHO or ND96PD/RHO (Vandlgard)
  - Door closer: LCN 4041
- .9 Labs
  - Lockset: Schlage ND60PD/RHO or ND93PD/RHO (Vandlgard) OR ND80PD/RHO or ND96PD/RHO (Vandlgard)
  - Door closer: LCN 4041, only where required by Code.



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- .10 Student Residence Rooms
  - Locksets: Schlage ND73PD/RHO or ND97PD/RHO (Vandlgard)
  - Door closer: LCN 4041 - mounted on hallway side of door.
- .11 Stairwell - Coordinate with BCBC exiting requirements:
  - Doors with regular hardware: "Classroom" setup (can be left locked or unlocked using a key).
  - Doors with card access: fail-secure "Storeroom" setup.
  - Stairwell - Coordinate with BCBC exiting requirements:
- .12 Padlocks – Schlage KS23D2300.

**.7 Keys**

- .1 Doors, padlocks and cabinet locks shall be keyed as directed. Keying shall be to the University of Victoria grandmaster and master key system, using a Schlage quad/numerical keyway. All cylinders must be construction keyed.
- .2 Construction Master Keying Systems may be required on new and large projects, as designated by the FMGT Executive Director. Such systems shall be established in consultation with the FMCA Locksmith.
- .3 For projects with **under 50 locksets**: cylinders and keys are Not In Contract (installed by FMCA).  
Provide sufficient notice to FMCA Locksmith for acquisition of materials.
- .4 For projects with **over 50 locksets**: Hardware supplier to supply all cylinders and keys as per UVic's Keying Schedule. Allow for:
  - 15 copies of Grandmaster key
  - 10 copies of each Master key
  - 10 copies of Construction master key
  - 4 extractor keys
  - 8 keys per cylinder
  - 200 key blanks
  - 20 additional cylinders (10 standard cyls, 5 mortise cyls, 5 rim cyls.)
  - All keys and key blanks stamped "**DO NOT DUPLICATE**"
- .5 Hardware, cylinders and the 10 construction keys to be shipped to the site contractor for installation.
- .6 All keys (grandmasters, masters, change keys, extractors and key blanks) shall be shipped by registered mail or courier directly from the manufacturer to the UVic Carpenters Shop.
- .7 Construction plugs are removed by FMCA after Substantial Performance has been granted.

**.8 Door Hardware and Keying Schedules Review Process**

- .1 Door Hardware Schedule
  - .1 Door Hardware Schedule must be submitted to FMCA Locksmith for review prior to tender. Corrections and changes will be noted and returned for updating.
  - .2 The final Hardware Schedule must be resubmitted and approved by FMCA Locksmith before ordering any materials.
- .2 Keying Schedule: UVic FMCA shall provide a Keying Schedule after the final Hardware Schedule approval.