CLAIMS

WHAT IS CLAIMED IS:

1. A storage lock for a storage door, the storage lock comprising:

(a) a lock housing for mounting to the storage door or to a storage frame supporting the storage door; and

(b) a lock mechanism arranged within the lock housing, the lock mechanism comprising

(i) a latch selectively operable to slide between a locked position in which the latch is extended from the lock housing to engage with the other of the storage door and storage frame to block against opening of the storage door, and an unlocked position in which the latch is retracted relative to the lock housing to disengage from the other of the storage door and storage frame to allow the storage door to be opened for access to storage, and

(ii) a latch control system selectively operable between a restricted position to block against operation of the latch out from the locked position, and an unrestricted position to permit operation of the latch out from the locked position to the unlocked position, the latch control system including a key selectively operable between blocked and unblocked positions corresponding with the restricted and unrestricted positions of the latch control system, wherein in the blocked position the key is arranged to engage the latch to block movement of the latch out from the locked position extended from the lock housing to the unlocked position, and in the unblocked position the key is arranged disengaged from the latch to permit movement of the latch out from the locked position extended from the lock housing to the unlocked position, the latch control system includes a restrictor selectively operable between restricted position engaged with the key to block movement of the key out from the blocked position and an unrestricted position disengaged with the key to permit movement of the key out from the blocked position to the unblocked position.

2. The storage lock of Claim 1, wherein the latch control system includes a controller and a latch operator, the controller configured to issue instructions to the latch operator to selectively arrange a key between the restricted position to block against operation of the latch out from the locked position, and the unrestricted position to permit operation of the latch out from the locked position to the unlocked position.

3. The storage lock of Claim 2, wherein the controller includes a processor for execution of instructions stored on a memory for issuing commands to the latch operator for selective operation, based on user input.

4. The storage lock of Claim 1, wherein, in the blocked position, the key is arranged within an opening of the latch to block movement of the latch out from the locked position.

5. The storage lock of Claim 1, wherein the restrictor is formed as a slider for linear movement between the restricted and unrestricted positions.

6. The storage lock of Claim 1, wherein the latch control system includes a latch operator for driving movement of the restrictor between the restricted and unrestricted positions.

7. The storage lock of Claim 6, wherein the latch operator includes an actuator and a resilient connector engaged between the actuator and the restrictor to transmit actuation force from the actuator to the restrictor.

8. The storage lock of Claim 7, wherein the resilient connector is selectively operable between a contracted position and an extended position, and the actuator is selectively operable to apply a restriction force to the resilient connector to bias the restrictor towards the restricted position.

9. The storage lock of Claim 8, wherein the resilient connector is formed as a linear spring.

10. The storage lock of Claim 8, wherein, under the restriction force with the blocked position of the key, the resilient connector is driven to bias the restrictor into the restricted position while the restrictor remains in the unrestricted position.

11. The storage lock of Claim 10, wherein, under the restriction force with the unblocked position of the key, the resilient connector is driven to bias the restrictor into the restricted position to move the restrictor towards the restricted position.

12. A storage security door system comprising:

a storage security door including a storage door and a storage frame; and,

the lock of claim 1 secured with one of the storage door and the storage frame.

13. The storage lock of Claim 1, wherein the latch control system includes a controller configured to issue instructions to the latch operator to selectively arrange a key between the restricted position to block against operation of the latch out from the locked position, and the unrestricted position to permit operation of the latch out from the locked position to the unlocked position.

14. The storage lock of Claim 1, wherein the latch control system includes a controller including a processor for execution of instructions stored on a memory for issuing commands to the latch operator for selective operation, based on user input.

15. The storage lock of Claim 14, wherein the controller is operable to communicate with a network to permit remote communication for governing operation of the latch control system between the restricted and unrestricted positions.

16. The storage lock of Claim 1, wherein the latch control system includes a latch operator including an actuator, and a controller operable to communicate with a network to permit remote communication for governing operation of the latch control system between the restricted and unrestricted positions, wherein the controller includes a processor for execution of instructions stored on a memory for issuing commands to the latch operator for selective operation.