PRODUCT SPECIFICATIONS
ELECTRONIC SECURITY HARDWARE

PART 2 – PRODUCTS

2.01 MANUFACTURERS

A. Acceptable manufacturer: DynaLock Corp., 705 Emmett St., Bristol, CT 06010, Tel: 877-DYNALOCK, Fax: 860-585-0338, Email: info@dynalock.com

B. Substitutions: Not permitted

C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.02 MATERIALS

A. General Requirements: Provide devices suitable for door & frame type, lock type dimensions and overall operation.
   1. Coordinate with doors, frames, and hardware specified in other sections.
   2. Provide all brackets, spacers, shims, strike boxes, and other accessory parts necessary to complete the installation.
   3. Provide all necessary components to supply low voltage power to devices from building power distribution system.

2.03 ELECTROMAGNETIC LOCKS

A. Electromagnetic Locks, 1500 lb Holding Force: DynaLock 3000 Series locks shall be surface mounted and include all necessary mounting hardware.

   1. Holding force shall be 1500 Lbs.
   2. Locks shall operate 12 or 24VDC/VAC field selectable. Current draw shall not exceed 0.42A @ 12V each coil or 0.21A @ 24V each coil.
   3. Lock shall contain a circuit board providing screw terminal connections, AC/DC rectifier, surge protector and voltage selection device.
   4. Lock coil and electronics shall be contained within a one-piece aluminum housing to resist moisture intrusion.
   5. Lock housing shall be FasTrak style to reduce installation time.
   6. Lock shall be field handable to match hand of door.
   7. Lock shall carry a Lifetime Warranty.
   8. Lock shall be Underwriters Laboratories listed as Auxiliary Lock (GWXT).
   9. Locks shall have a door status switch (DSM) to allow monitoring of the open/closed status of the door.
   10. Lock shall have a combination door status switch and magnetic bond sensor switch (HSM) to fully monitor the open/closed door status and the secure/not secure condition of the lock.
   11. Lock shall have a full option package (VOP) including door status switch, lock status switch, anti-tamper switch and a 1-80 second adjustable relock time delay.
   12. Lock shall have a bi-color LED (red/green) for signaling of lock status (LED).
   13. Lock shall have an offset armature (OFA) for storefront doors with narrow top rail.

14. Locks shall be enclosed in full opening width housing (CLH).
15. For pairs of doors without mullion both locks shall be enclosed in a single housing.
16. For inswinging doors lock shall be top jamb style (TJ) mounting including adjustable armature mounting bracket.

17. Housing finish shall be: US28 Satin Aluminum
18. Housing finish shall be: US3 Bright Brass
19. Housing finish shall be: US4 Satin Brass
20. Housing finish shall be: US10 Light Bronze
21. Housing finish shall be: US13 Medium Bronze
22. Housing finish shall be: US10B Dark Bronze
23. Housing finish shall be: US19 Black Satin
24. Housing finish shall be: US26 Bright Chrome

B. Electromagnetic Lock, 1200 lb Holding Force: DynaLock 2000 Series locks shall be surface mounted and include all necessary mounting hardware.

1. Holding force shall be 1200 lbs.
2. Locks shall operate 12 or 24VDC/VAC field selectable. Current draw shall not exceed 0.42A @ 12V each coil or 0.21A @ 24V each coil.
3. Lock shall contain a circuit board providing screw terminal connections, AC/DC rectifier, surge protector and voltage selection device.
4. Lock shall carry a Lifetime Warranty.
5. Lock shall be Underwriters Laboratories listed as Auxiliary Lock (GWXT).

6. Locks shall have a door status switch (DSM) to allow monitoring of the open/closed status of the door.
7. Lock shall have a combination door status switch and magnetic bond sensor switch (HSM) to fully monitor the open/closed door status and the secure/not secure condition of the lock.
8. Lock shall have a full option package (VOP) including door status switch, lock status switch, anti-tamper switch and a 1-80 second adjustable relock time delay.
9. Lock shall have a bi-color LED (red/green) for signaling of lock status (LED)
10. Lock shall have an offset armature (OFA) for storefront doors with narrow top rail.
11. Locks shall be enclosed in full opening width housing (CLH).
12. For pairs of doors without mullion both locks shall be enclosed in a single housing.
13. For inswinging doors lock shall be top jamb style (TJ) mounting including adjustable armature mounting bracket.

14. Housing finish shall be: US28 Satin Aluminum
15. Housing finish shall be: US3 Bright Brass
16. Housing finish shall be: US4 Satin Brass
17. Housing finish shall be: US10 Light Bronze
18. Housing finish shall be: US13 Medium Bronze
19. Housing finish shall be: US10B Dark Bronze
20. Housing finish shall be: US19 Black Satin
21. Housing finish shall be: US26 Bright Chrome

C. Electromagnetic Lock, 650 Lb Holding Force: DynaLock 2500 Series locks shall be surface mounted and include all necessary mounting hardware.

1. Holding force shall be 650 Lbs.
2. Locks shall operate 12 or 24VDC/VAC field selectable. Current draw shall not exceed 0.50A @ 12V each coil or 0.25A @ 24V each coil.
3. Lock shall contain a circuit board providing screw terminal connections, AC/DC rectifier, surge protector and voltage selection device.
4. Lock coil and electronics shall be contained within a one-piece aluminum housing to resist moisture intrusion.
5. Lock shall carry a Lifetime Warranty.
6. Lock shall be Underwriters Laboratories listed as Auxiliary Lock (GWXT).

7. Locks shall have a door switch (DSM) to allow monitoring of the open/closed status of the door.
8. Lock shall have a magnetic bond sensor switch (DYN) to monitor the secure/not secure condition of the lock.
9. Lock shall have an anti-tamper switch (ATS).
10. Lock shall have a bi-color LED (red/green) for signaling of lock status (LED).
11. Locks shall be enclosed in full opening width housing (CLH).
12. For pairs of doors without mullion both locks shall be enclosed in a single housing.
13. For inswinging doors lock shall be top jamb style (TJ) mounting including adjustable armature mounting bracket.

14. Housing finish shall be: US28 Satin Aluminum
15. Housing finish shall be: US3 Bright Brass
16. Housing finish shall be: US4 Satin Brass
17. Housing finish shall be: US10 Light Bronze
18. Housing finish shall be: US13 Medium Bronze
19. Housing finish shall be: US10B Dark Bronze
20. Housing finish shall be: US19 Black Satin
21. Housing finish shall be: US26 Bright Chrome

D. Electromagnetic locks, 1200 Lb Holding Force: DynaLock 2268 Series locks shall be surface mounted and include all necessary mounting hardware.

1. Lock shall be of low profile style. Projection into headroom not to exceed two (2) inches.
2. Holding force shall be 1200 Lbs.
3. Locks shall operate 12 or 24VDC field selectable. Current draw shall not exceed 0.68A @ 12V each coil or 0.35A @ 24V each coil.
4. Lock shall carry a Lifetime warranty.
5. Lock shall be Underwriters Laboratories listed as Auxiliary Lock (GWXT).

6. Locks shall have a door status switch (DSM) to allow monitoring of the open/closed status of the door.
7. Lock shall have a magnetic bond sensor switch (DYN) to fully monitor the secure/not secure condition of the lock.
8. Lock shall have an anti-tamper switch (ATS).
9. Lock shall have a 1-80 second adjustable relock time delay.
10. Lock shall have a bi-color LED (red/green) for signaling of lock status (LED).
11. Lock shall have a rectifier (RC) for AC operation.
12. For pairs of doors without mullion both locks shall be enclosed in a single housing.
13. For inswinging doors locks shall be top jamb style (TJ) mounting including adjustable armature mounting bracket.

14. Housing finish shall be: US28 Satin Aluminum
15. Housing finish shall be: US3 Bright Brass
16. Housing finish shall be: US4 Satin Brass
17. Housing finish shall be: US10 Light Bronze
18. Housing finish shall be: US13 Medium Bronze
19. Housing finish shall be: US10B Dark Bronze
20. Housing finish shall be: US19 Black Satin
21. Housing finish shall be: US26 Bright Chrome

A. Electromagnetic Locks, 1200 Lb Holding Force: DynaLock 2280 Series locks shall be surface mounted and include all necessary mounting hardware.

1. Lock shall be of low profile style. Projection into headroom not to exceed 2-1/16 inches.
2. Holding force shall be 1200 Lbs.
3. Locks shall operate 12 or 24VDC/VAC field selectable. Current draw shall not exceed 0.68A @12V each coil or 0.35A @ 24V each coil.
4. Lock shall contain a circuit board providing screw terminal connections, AC/DC rectifier, surge protector and voltage selection device.
5. Lock coil and electronics shall be contained within a one-piece aluminum housing to resist moisture intrusion.
6. Lock shall carry a Lifetime Warranty.
7. Lock shall be Underwriters Laboratories listed as Auxiliary Lock (GWXT).
8. Locks shall have a door status switch (DSM) to allow monitoring of the open/closed status of the door.
9. Lock shall have a magnetic bond sensor switch (DYN) to fully monitor the secure/not secure condition of the lock.
10. Lock shall have a bi-color LED (red/green) for signaling of lock status (LED).
11. For pairs of doors without mullion both locks shall be enclosed in a single housing.
12. For in swinging doors locks shall be top jamb (TJ) mounting including adjustable armature mounting bracket.
13. Housing finish shall be: US28 Satin Aluminum
14. Housing finish shall be: US3 Bright Brass
15. Housing finish shall be: US4 Satin Brass
16. Housing finish shall be: US10 Light Bronze
17. Housing finish shall be: US13 Medium Bronze
18. Housing finish shall be: US10B Dark Bronze
19. Housing finish shall be: US19 Black Satin
20. Housing finish shall be: US26 Bright Chrome

A. Electromagnetic Locks, 1200 Lb Holding Force: DynaLock 2013 Series locks shall be weather resistant surface mounted for outside gate use.

1. Holding force shall be 1200 Lbs.
2. Locks shall operate 12 or 24VDC field selectable. Current draw shall not exceed 0.42A @ 12V each coil or 0.21A @ 24V each coil.
3. Lock shall contain a ½ inch NPT fitting sealed to resist moisture intrusion.
4. Lock shall provide six foot long 18 GA leads to facilitate hook-up.
5. Lock shall carry a Lifetime Warranty.

6. Lock shall be Underwriters Laboratories listed as Auxiliary Lock (GWXT).

7. Lock shall have a magnetic bond sensor switch (DYN) to fully monitor the secure/not secure condition of the lock.
8. Lock shall include a two piece gate lock bracket (GLB) to facilitate lock mounting.
9. Lock shall provide sealed rear wire exit (RWE) in lieu of ½ inch NPT fitting.

10. Housing finish shall be: US28 Satin Aluminum
11. Housing finish shall be: US3 Bright Brass
12. Housing finish shall be: US4 Satin Brass
13. Housing finish shall be: US10 Light Bronze
14. Housing finish shall be: US13 Medium Bronze
15. Housing finish shall be: US10B Dark Bronze
16. Housing finish shall be: US19 Black Satin
17. Housing finish shall be: US26 Bright Chrome

A. Electromagnetic Locks, 650 Lb Holding Force: DynaLock 2600 Series locks shall be concealed mortise mounted for use on sliding doors.

1. Holding force shall be 650 Lbs.
2. Locks shall operate 12 or 24VDC field selectable. Current draw shall not exceed 0.50A @ 12V each coil or 0.25A @ 24V each coil.
3. Lock shall carry a Lifetime Warranty.

4. Lock shall have a magnetic bond sensor switch (DYN) to fully monitor the secure/not secure condition of the lock.
5. Lock shall include a rectifier bridge (RC) to allow AC operation.
6. Lock shall include pre-drilled mounting brackets (MB) to facilitate installation of lock.
7. Lock shall include an armature mount block (AMB) to facilitate armature mounting.

8. Housing finish shall be: US28 Satin Aluminum
9. Housing finish shall be: US3 Bright Brass
10. Housing finish shall be: US4 Satin Brass
11. Housing finish shall be: US10 Light Bronze
12. Housing finish shall be: US13 Medium Bronze
13. Housing finish shall be: US10B Dark Bronze
14. Housing finish shall be: US19 Black Satin
15. Housing finish shall be: US26 Bright Chrome

2.04 Delayed Egress Locking System

A. Self-Contained Electromagnetic Delayed Egress Locking System, Visual/Audio Annunciation: DynaLock Corp. 3101B Series locks shall be surface-mounted and all electronics shall be enclosed within the housing; all exposed surfaces plated or anodized. Locks utilized on doors with mechanical latching hardware shall be activated by slight movement of the door and shall not require a switch input from the mechanical hardware for activation. Signage required for use of delayed egress shall be provided.

1. Holding force shall be 1500 Lbs.
2. Locks shall have bi-color LED indicator to provide visual status of the system:

    - Red indicates door secure

- Red pulsating indicates in delay cycle
- Green indicates door not secure
- Red assists in lock set-up mode

3. Lock shall have a 90 db @ three feet audible tone output. Audible tones shall indicate:

    - One second pulse indicates in delay cycle or door held open past relock time delay
    - Steady tone indicates fire alarm or authorized release of lock.
    - Rapid pulse indicates poor magnetic bond (requires DYN option).

4. Lock shall have a "watchdog" circuit to indicate factory service required. Service indication by steady audible tone and an internal pulsating red LED.
5. Lock circuit board shall provide screw terminal connections for:

    - Power input
    - Fire alarm input
    - Remote reset/bypass input
    - Delay egress monitor output
    - DYN, DSM, ATS – optional monitor outputs when used.

6. Lock shall include a built-in keyswitch for reset/authorized release functions.
7. Lock delay cycle shall be initiated by a photo-optical sensor without the use of a mechanical switching device.
8. Lock shall operate with 12 or 24 volts, AC or DC, field selectable. Current draw shall not exceed 0.75A single, 1.20A double at 12V or 0.50A single, 0.75A double at 24V.
9. Printed circuit board shall provide surge protection and a transient voltage suppression device protecting all input/output terminals.
10. Printed circuit board shall provide moveable pin jumpers to disable the on board audible for silent operation and to disable the optical sensor for standard magnetic lock operation.
11. Armature mounting plate shall provide sensor wheel adjustability to compensate for door warpage or sagging.
12. Lock housing shall be FasTrak style to reduce installation time.
13. Lock shall carry a Lifetime Warranty.
14. System shall be listed by Underwriters Laboratories (FWAX Special Locking Arrangements), and shall also be compliant with NFPA 101 Special Locking Arrangements, UBC Special Egress Control Devices and BOCA Special Locking Arrangements.

15. UBC — UBC, California Building Code NFPA, UFC, SBC, IBC, IFC Compliant 15 Second Exit Delay (Fixed) Adj. 0,1,2, sec. Nuisance delay Manual reset, built-in or remote
16. BOCA — BOCA Compliant
    15 Second Exit Delay (Fixed)
    *Auto reset 30 seconds after door closure
    *45 sec. When AHJ approved

17. Locks shall have a door position switch (DSM) to allow monitoring of the open/closed status of the door.
18. Locks shall have a magnetic bond-sensor (DYN) to allow monitoring of the secure/not secure condition of the lock.
19. Locks shall have an anti-tamper switch (ATS) to indicate the removal of the housing cover.

20. Egress sensor shall be omitted (ETR) for externally triggered delayed egress cycle.
21. Built-in keyswitch shall be omitted (KSO) for use of external reset/bypass device.
22. For pairs of doors without mullion both locks shall be enclosed in a single housing in a master/slave configuration.
23. For pairs of doors with mullion both locks shall be separate units in a master/slave configuration including a 3-foot long interconnection ribbon cable.

24. Housing finish shall be: US28 Satin Aluminum
25. Housing finish shall be: US3 Bright Brass
26. Housing finish shall be: US4 Satin Brass
27. Housing finish shall be: US10 Light Bronze
28. Housing finish shall be: US13 Medium Bronze
29. Housing finish shall be: US10B Dark Bronze
30. Housing finish shall be: US19 Black Satin
31. Housing finish shall be: US26 Bright Chrome

32. System shall include a separate switch lock style keyswitch (7050) for remote reset (momentary) and remote bypass (momentary) functions.
33. System shall include a separate switch lock style keyswitch (7051) for remote reset (momentary) and remote bypass (maintained) functions.
34. System shall include a separate mortise cylinder style keyswitch (7005) for remote reset (momentary) and remote bypass (maintained) functions. Unit requires a separate 1-1/8" or 1-1/4" mortise cylinder with "bat" style cam.
35. System shall include a remote single zone control and monitor station (6370). Unit shall include an audible (90db @ 3 feet), a bi-color LED (red/green), and a reset (momentary) / bypass (maintained) switch lock style keyswitch. The unit shall monitor and control the status of a delay egress lock. The station shall be mounted on a standard two gang plate.
36. System shall include a four-zone monitor station (6350). Unit shall include four bi-color LEDs (red/green), an audible (90db @ 3 feet) and a mute switch. The unit shall visually and audibly monitor the status of up to four delay egress locks. The station shall be mounted on a standard two gang plate and include a two gang masonry back box and a 12VAC plug-in power supply.

2.05 Immediate Egress Locking System

A. Self-contained electromagnetic immediate egress locking system with built-in adjustable passive infrared egress sensor. DynaLock Corp 3006 series locks shall be surface mounted and include all necessary mounting hardware. All electronics shall be enclosed within the housing; all exposed surfaces plated or anodized.

1. Holding force shall be 1500 Lbs.
2. Lock shall have a bi-color LED indicator to provide visual status of the system:

    - Red indicates door secure
    - Green indicates door not secure

3. Egress sensor shall be a built-in passive infrared (PIR) device. Device shall be adjustable approximately two to four feet from door face approximately six feet wide. Adjustment shall allow twenty degrees shift from centerline in all directions. The PIR shall be active up to sixty minutes after a power interruption. Upon detection of an individual approaching the door the PIR shall immediately release the lock.

4. The system shall operate with 12 or 24 volts, AC or DC, field selectable. Current draw shall not exceed 0.60A @ 12V or 0.30A @ 24V.
5. System circuitry shall include an adjustable 2 – 10 second relock delay activated by the PIR or an external access control.
6. System circuitry shall include an adjustable 2 – 80 second relock delay activated by an additional external egress device.
7. Lock circuit board shall provide screw terminal connection for:

    - Power input
    - External access device
    - External egress device
    - External PIR disable device
    - DYN, DSM, ATS, REX optional monitor outputs when used.

8. Lock housing shall be FasTrak style to reduce installation time.
9. Lock shall be field handable to match hand of door.
10. Lock shall be Underwriters Laboratories listed as Auxiliary Lock (GWXT).
11. Lock shall carry a Lifetime Warranty.

12. Housing finish shall be: US28 Satin Aluminum
13. Housing finish shall be: US3 Bright Brass
14. Housing finish shall be: US4 Satin Brass
15. Housing finish shall be: US10 Light Bronze
16. Housing finish shall be: US13 Medium Bronze
17. Housing finish shall be: US10B Dark Bronze
18. Housing finish shall be: US19 Black Satin
19. Housing finish shall be: US26 Bright Chrome

2.06 Electric Deadbolt Lock

A. DynaLock Corp 1300 Series electric deadbolt shall be mortise mount with a 1-5/8 inch maximum backset. Lock shall be fail-safe, silent operation, continuous duty rated.

1. Deadbolt shall be stainless steel, ¾ inch diameter, ¾ inch throw.
2. Lock shall contain a circuit board providing screw terminal connectors for input power, rectifier for AC or DC operation and removable connectors for option selection.
3. Lock shall carry a Lifetime Warranty.

4. Lock shall operate 12V AC or DC. Current draw shall not exceed 0.85A.
5. Lock shall operate 24V AC or DC. Current draw shall not exceed .45A.

6. Locks shall have a bolt position switch (BPS) to signal the bolt extended or bolt retracted condition.
7. Lock shall have a ball type auto-relock switch (ARSB) that insures the deadbolt will only project when the door is in the closed position.
8. Lock shall have a concealed magnetic type auto-relock switch (ARMS) that insures the deadbolt will only project when the door is in the closed position.
9. Lock shall have a ball type door position switch (DPSB) to signal a door closed/door ajar condition.
10. Lock shall have a concealed magnetic type door position switch (DPSM) to signal a door closed/door ajar condition.
11. Lock shall have a four piece predrilled mounting bracket set (MB) to facilitate lock mounting.

2.07 Electric Strikes

A. DynaLock 1600 Series electric strikes for use with cylindrical locks, or mortise locks without dead bolts, having up to ¾ inch bolt throw. Internally mounted solenoid for use with 12 or 24VDC/VAC. Durable die cast body for long life and corrosion resistance; non-handed, reversible; plug-in connector included. Fail secure is standard; field reversible to fail-safe.

1. Strike shall be UL 1034 burglary resistant.
2. Strike shall operate 12 or 24VDC or VAC field selectable.
3. Current draw shall not exceed 0.375 @ 12VDC, 0.190 @ 24VDC, 0.565 @ 12VAC, 0.280 @ 24VAC.
4. Strike lock mode shall be field selectable fail-safe or fail-secure without any disassembly or special tools.
5. Strike shall carry a three-year warranty.

6. Faceplate suffix 04 1-1/4" x 4-7/8" ANSI Round Corner (aluminum or wood frames)
7. Faceplate suffix 14 1-1/4" x 4-7/8" ANSI Square Corner (hollow metal or wood frames).
8. Faceplate suffix 05 1-1/8" x 5-7/8" Round corner (aluminum or wood frames)
9. Faceplate suffix 07 1-1/4" x 6-7/8" Round corner (aluminum or wood frames.
10. Faceplate suffix 08 1-7/16" x 7-15/16" Round corner (aluminum or wood frames).

11. Profile suffix "L": Select for cylindrical locks with 5/8 inch latch projection or for narrow line aluminum door locks.
12. Profile suffix "S": Select for cylindrical locks with ¾ inch latch projection or mortise locks and exit devices.

13. Strike shall include Lock Monitor Switch (LMS) consisting of two SPDT switches to monitor latchbolt projection and locked/unlocked condition of strike keeper.

14. Housing finish shall be: US32D Brushed Stainless Steel
15. Housing finish shall be: US3 Bright Brass
16. Housing finish shall be: US4 Satin Brass
17. Housing finish shall be: US10 Light Bronze
18. Housing finish shall be: US10B Dark Bronze
19. Housing finish shall be: US32 Bright Stainless Steel

B. DynaLock 1661 Series electric strikes for use with rim exit devices having ½ to ¾ inch latch projection. Internally mounted solenoid rectified for AC or DC operation. Durable die cast stainless steel body in US32D brushed stainless steel finish. Fail-secure lock mode; non-handed reversible for left or right hand doors.

1. Strike shall include screw terminal for wiring connections.
2. Strike shall provide features for horizontal adjustability.
3. Strike shall be UL listed 1034 burglary resistant.
4. Lock shall carry a three-year warranty.

5. Strike shall operate 12VAC (buzz). Current draw shall not exceed 0.15A.
6. Strike shall operate 12VDC (silent). Current draw shall not exceed 0.20A.

7. Strike shall operate 24VAC (buzz). Current draw shall not exceed 0.07A.
8. Strike shall operate 24VDC (silent). Current draw shall not exceed 0.11A.

9. Strike shall include Rear Mounting Plate (RMP) kit for semi-mortise installation or reinforcement in surface applications.
10. Strike shall include Double Door Housing (DDH) for mounting on inactive door of pair of doors.

2.08 Power Supplies

A. Power Supply – Light Duty: DynaLock 5025 Series; 1A output at 12 or 24VDC field selectable; filtered and regulated output; built-in battery charging circuit; self resetting output fuse; steel 4 x 12 x 15 inch hinged cover enclosure with conduit knockouts.

1. Power supply shall carry a Lifetime Warranty.

2. Power supply shall include a SPST-NO anti-tamper switch (ATS) to signal opening of enclosure cover.
3. Power supply shall include a key locked cover (KLC) with two keys.
4. Power supply shall include six foot three wire plug-in power cord (PC).
5. Power supply shall include one battery (BBU1-4) for 4AH @ 12VDC emergency power.
6. Power supply shall include one battery (BBU1-7) for 7AH @12VDC emergency power.
7. Power supply shall include two batteries (BBU2-4) for 4AH @ 24VDC emergency power.
8. Power supply shall include two batteries (BBU2-7) for 7AH @ 24VDC emergency power.

B. Power Supply – Medium Duty: DynaLock 5500 Series; 3A output at 12VDC or 2A output at 24VDC field selectable; filtered and regulated output; built-in battery charging circuit; self resetting output fuse; steel 4 x 12 x 15 inch hinged cover enclosure with conduit knockouts; flexible modular design for optional fire alarm control and individual fused zone outputs.

1. Power supply shall carry a Lifetime warranty.

2. Power supply shall include an SPST-NO anti-tamper switch (ATS) to signal opening of enclosure cover.
3. Power supply shall include a key locked cover (KLC) with two keys.
4. Power supply shall include six foot three wire plug-in power cord (PC).
5. Power supply shall include one battery (BBU1-4) for 4AH @ 12VDC emergency power.
6. Power supply shall include one battery (BBU1-7) for 7AH @12VDC emergency power.
7. Power supply shall include two batteries (BBU2-4) for 4AH @ 24VDC emergency power.
8. Power supply shall include two batteries (BBU2-7) for 7AH @ 24VDC emergency power.
9. Power supply shall include a Fire Alarm Control (FAC) module for connection to a fire alarm system.
10. Power supply shall include a Fire Alarm Control module with a mounted manual reset button (FACMR) for connection to a fire alarm system.

11. Power supply shall include an individually fused five-zone output distribution board (DB5).
12. Power supply shall include an individually fused ten-zone output distribution board (DB10).

13. Provide ( ) control modules (CM) to allow ease of access control wiring and a SPDT relay output.
14. Provide ( ) controls modules (CMTD) to allow ease of access control wiring and a SPDT relay output with an adjustable 0-80 second relock delay timer.

C. Power Supply – Heavy Duty: DynaLock 5600 Series; filtered and regulated output; built-in battery charging circuit; self resetting output fuse; steel 4 x 12 x 15 inch hinged cover enclosure with conduit knockouts; flexible modular design for optional fire alarm control and individual fused zone outputs.

1. Power supply shall carry a Lifetime Warranty.

2. Power supply shall provide 12VDC, 10A output power.
3. Power supply shall provide 24VDC, 5A output power.

4. Power supply shall include an SPST-NO anti-tamper switch (ATS) to signal opening of enclosure cover.
5. Power supply shall include a key locked cover (KLC) with two keys.
6. Power supply shall include six foot three wire plug-in power cord (PC).
7. Power supply shall include one battery (BBU1-4) for 4AH @ 12VDC emergency power.
8. Power supply shall include one battery (BBU1-7) for 7AH @12VDC emergency power.
9. Power supply shall include two batteries (BBU2-4) for 4AH @ 24VDC emergency power.
10. Power supply shall include two batteries (BBU2-7) for 7AH @ 24VDC emergency power.
11. Power supply shall include a Fire Alarm Control (FAC) module for connection to a fire alarm system.
12. Power supply shall include a Fire Alarm Control module with a mounted manual reset button (FACMR) for connection to a fire alarm system.
13. Power supply shall include an individually fused five-zone output distribution board.
14. Power supply shall include an individually fused ten-zone output distribution board.

15. Provide ( ) control modules (CM) to allow ease of access control wiring and a SPDT relay output.
16. Provide ( ) control modules (CMTD) to allow ease of access control wiring and a SPDT relay output with an adjustable 0-80 second relock delay timer.

D. Power Supply – Open Transformer: DynaLock 5200 Series; 120VAC input primary; ten inch color coded input/output lead wires.

1. Open transformer shall carry a Lifetime Warranty.

2. Open transformer shall provide 12VAC, 2A output power (model 5212).
3. Open transformer shall provide 12VDC, 2A output power (model 5213).

4. Open transformer shall provide 24VAC, 2A output power (model 5224).
5. Open transformer shall provide 24VDC, 2A output power (model 5225).

D. Power Supply – Plug-In Transformer: DynaLock 5300 Series; 120VAC plug-in input primary; screw terminal output hook-up.

1. Plug-In transformer shall carry a Lifetime Warranty.

2. Plug-in transformer shall provide 12VAC, 3A output power (model 5312).
3. Plug-in transformer shall provide 12VDC, 3A output power (model 5313).
4. Plug-in transformer shall provide 24VAC, 1.5A output power (model 5324).
5. Plug-in transformer shall provide 24VDC, 1.5A output power (model 5325).

2.09 Electromagnetic Door Holders

A. Door holder shall be 25 Lbs holding force operating on field selectable voltage of 24VAC, 24VDC or 120VAC at 0.015A current draw. DynaLock series 2800 shall include self-adjusting pivoting armature, built-in transient protection and carry UL listing GTPR Fire Door Holders and DynaLock Lifetime Warranty. Door holder shall include screw terminals for field hook-up and all necessary mounting hardware.

1. Door holder shall be DynaLock model 2801 for single door floor mount.
2. Door holder shall be DynaLock model 2802 for double door floor mount.
3. Door holder shall be DynaLock model 2803 for flush wall mount with extended armature.
4. Door holder shall be DynaLock model 2804 for flush wall mount with standard armature.
5. Door holder shall be DynaLock model 2805 for surface wall mount.
6. Door holder shall be DynaLock model 2806 for low profile wall mount.

7. Door holder shall include an adjustable armature extension rod (#2853) with an extension range of 6-3/8 to 8 inches.
8. Door holder shall include an adjustable armature extension rod (#2855) with an extension range of 8-3/8 to 12 inches.

2.10 Egress Controls – Code Compliant

A. Delay on relock palm switch: DynaLock 6290. Complies with NFPA 101 and other codes regarding Access Controlled Egress Doors.

1. Red 1-5/8 inch diameter pushbutton.
2. Switch non-electronic pneumatic delay, 30 second minimum, SPDT-DB (form Z) rated 10A @ 125VAC.
3. Single gang faceplate, US32D stainless steel, silkscreened “Push To Exit” in red.
4. Lifetime Warranty.

B. Delay on relock Heavy Duty Pushplate: DynaLock Series 6700/6800. Complies with NFPA 101 and other codes regarding access controlled egress doors

1. Switch non-electronic pneumatic delay, 30 second minimum, SPDT-DB (form Z) rated 10A @ 125VAC.

2. Lifetime Warranty.

3. Single gang solid aluminum low profile pushplate #6700 engraved “Push To Exit”.
4. Narrow style 1-3/4 inch wide solid aluminum low profile pushplate #6800 engraved “Push To Exit”.

5. Finish shall be: US28 Satin Aluminum
6. Finish shall be: US3 Bright Brass
7. Finish shall be: US4 Satin Brass
8. Finish shall be: US10 Light Bronze
9. Finish shall be: US13 Medium Bronze
10. Finish shall be: US10B Dark Bronze
11. Finish shall be: US19 Black Satin
12. Finish shall be: US26 Bright Chrome

C. Egress pushplates with handicap symbol: DynaLock 6700/6800 Series. Solid aluminum heavy-duty pushplate US28 satin aluminum finish with engraved blue filled handicap symbol. Lifetime Warranty.

1. Model 6705 Pushplate, Single Gang 1-60 Sec. Pneumatic Time Delay, SPDT
2. Model 6715 Pushplate, Single Gang A-A, SPDT
3. Model 6725 Pushplate, Single Gang A-A, DPDT
4. Model 6735 Pushplate, Single Gang MOM, SPDT
5. Model 6745 Pushplate, Single Gang MOM, DPDT
6. Model 6805 Pushplate, Narrow 1-60 Sec. Pneumatic Time Delay, SPDT
7. Model 6815 Pushplate, Narrow A-A, SPDT
8. Model 6825 Pushplate, Narrow A-A, DPDT
9. Model 6830 Pushplate, Narrow MOM, SPDT
10. Model 6845 Pushplate, Narrow MOM, DPDT

D. Egress pushbuttons with handicap symbol: DynaLock 6200 Series. Blue solid aluminum 2-5/8 inch diameter button, with engraved white filled handicap symbol. Single gang faceplate, US32D stainless steel, Lifetime Warranty.

1. Model 6205 Pushbutton, 1-60 Sec. Pneumatic Time Delay, SPDT
2. Model 6215 Pushbutton, A-A, SPDT
3. Model 6225 Pushbutton, A-A, DPDT
4. Model 6235 Pushbutton, MOM, NO, SPST
5. Model 6235Z Pushbutton, MOM, SPDT-DB
6. Model 6245 Pushbutton, MOM, NO, DPST
7. Model 6255 Pushbutton, MOM, NC, SPST
8. Model 6265 Pushbutton, MM, NC, DPST

E. Egress Pushbutton with Handicap Symbol: DynaLock Model No. 6271, 2 inch square blue plastic button with white handicap symbol, illuminated, MOM, SPDT, 12 or 24VDC input, single gang faceplate, US32D stainless steel, Lifetime Warranty.

2.11 REQUEST-TO-EXIT PUSH BARS

A. Non-latching sensor bar: DynaLock 6451 Series. Activation by traditional exit bar movement triggering long life optical sensors without field adjustment. Triple fail-safe operation by two optical sensors and built-in mechanical switch. Weather resistant conformal coated circuitry operating at 12 to 24VAC/VDC. Entire bar all metal construction, non-handed. Dual output relay DPDT contact rated 5A @ 24V to control electric locking device and alarm system. UL Listed under category (ALVY) Access Control System Unit. Unit includes armored power transfer loop.

1. Provide model number 6451-36 for 36-inch door.
2. Provide model number 6451-42 for 42-inch door.
3. Provide model number 6451-48 for 48-inch door.

4. Finish shall be: US28 Satin Aluminum
5. Finish shall be: US10B Dark Bronze
6. Finish shall be: US4 Satin Brass

7. Provide model CAB64, Cable Kit, 16 feet, 8 conductor 22AWG jacketed hook-up cable.
8. Provide model WDK, Wood Door Kit including (4) each thru-bolts and sex nuts.

2.12 Access Controls

A. Digital keypad system for exterior/interior use: DynaLock Model 7200. Microprocessor base with nonvolatile eeprom; up to 60 programmable user codes 2-7 digit in length; doorbell or light activation, relock time delay, anti-tailgating and duress code features; invalid code lockout; operates fail-safe or fail-secure electric locks. System includes one controller and one weather and vandal resistant narrow style keypad with 16-foot 22AWG 12-conductor cable.

1. Master relay DPDT, 5A @ 30VDC, user code operated.
2. Auxiliary relay DPDT, 5A @ 30VDC, programmable for secondary operations.
3. Input voltage: 12 or 24VDC/VAC.
4. Current draw: 0.05A standby, 0.15A max.
5. Keypad operating temperature: -40°F to 160°F.
6. Screw terminal hook-up for REX, anti-tailgating and code lockout inputs.
7. Concealed mounting plate with security hardware.

8. Provide expanded memory (EM) to 120 user codes.
9. Provide second keypad (KP) to system.
10. Provide 1A @ 12/24VDC power supply (PSC) to system.

11. Keypad finish shall be: US28 Satin Aluminum
12. Keypad finish shall be: US3 Bright Brass
13. Keypad finish shall be: US4 Satin Brass
14. Keypad finish shall be: US10 Light Bronze
15. Keypad finish shall be: US13 Medium Bronze
16. Keypad finish shall be: US10B Dark Bronze
17. Keypad finish shall be: US19 Black Satin
18. Keypad finish shall be: US26 Bright Chrome

2.13 Key Switches

A. Key operated switches: DynaLock 7000 Series Key Switches, contacts rated 6A @ 125VAC on single gang US32D brushed stainless steel wall plate. Accepts 1-1/8 or 1-1/4 inch mortise cylinder with “bat” style cam (not supplied). Switch wiring: six-inch long 18AWG leads.

1. Keyswitch shall carry a Lifetime Warranty.

2. Model 7001 keyswitch, SPDT, maintained.
3. Model 7002 keyswitch, SPDT, momentary.
4. Model 7003 keyswitch, (2) SPDT, maintained.
5. Model 7004 keyswitch, (2) SPDT, momentary.
6. Model 7005 keyswitch, (1) SPDT maintained, (1) SPDT momentary.
7. Model 7021 keyswitch, DPDT, maintained.
8. Model 7022 keyswitch, DPDT, momentary.
9. Model 7023 keyswitch, (2) DPDT, maintained.
10. Model 7024 keyswitch, (2) DPDT, momentary.
11. Model 7025 keyswitch, (1) DPDT maintained, (1) DPDT momentary.
12. Model 7050 keyswitch, 3101B delay egress reset (mom)/bypass (maint) with cylinder.

13. ATS – Anti-Tamper Switch.
14. AUD – Audible Sounder – 1-28 VDC (Requires DBL option).
15. CYL – Mortise Cylinder – 1-1/4” long with cam, 2 keys.
16. DBL – Two Gang Plate – 4-9/16” wide, for options.
17. LED – Bi-Color LED – Red/Green, 12/24VDC.
18. NR – Narrow Plate – 1-3/4” wide, substitute.
19. WPC – Weather Proof Cover – Single gang only.

2.14 Communicating Bathroom Systems

A. DynaLock 8500 Series Communicating Bathroom Systems ensure privacy for occupants of a single bathroom shared by adjacent rooms. Each system shall include fail-safe electromagnetic locking devices, occupant and emergency control switches, a 24VDC power supply and a system wiring diagram. The system shall allow for emergency fire panel tie-in. All components shall carry a Lifetime Warranty.

1. Communicating Bathroom System shall be DynaLock Model #8500-2 for two door communicating bathroom system. System shall consist of:
   (2) 2511xDSM magnetic lock w/ door status switch.
   (1) 6110xCBxILMx24V red pushbutton silkscreened, “Locked When Lit-Press To Operate”.
   (2) 6110xCBxILMx24V red pushbutton silkscreened “Emergency Unlock-Occupied When Lit”.
   (1) 5500xFACxILBx24V power supply, 24VDC, 2A
   (1) 900274 System Wiring Diagram

2. Communicating Bathroom System shall be DynaLock Model #8500-3 for three door communicating bathroom system. System shall consist of:
   (3) 2511xDSM magnetic lock w/door status switch.
   (1) 6110xCBxILMx24V red pushbutton silkscreened “Locked When Lit-Press To Operate.
   (3) 6110xCBxILMx24V red pushbutton silkscreened “Emergency Unlock-Occupied When Lit”.
   (1) 5500xFACxILBx24V power supply, 24VDC, 2A
   (1) 900419 System Wiring Diagram.

2.15 Specialty Controls

A. Weatherproof Pushbuttons: DynaLock 6170 Series. Commercial grade pushbutton sealed against moisture and dust intrusion. Pushbutton shall meet international classification for ingress protection IP64 moisture-proof and dust-tight and IP68 water-tight. All buttons shall be 3/4 inch diameter white thermoplastic raised dome including a green LED backlight selectable for 12 or 24VDC operation. Momentary action SPDT double break contracts shall be rated 3A @ 115VAC minimum. Switch shall operate in temperatures ranging from minus 67 to plus 185 F. Termination shall be 7 inch long color coded 18AWG leads. Mounting plate shall be single gang stainless steel US32D with red silkscreened characters and include gasket and tamper-resistant screws. Pushbuttons shall carry a Lifetime Warranty.

1. Model 6171 Blank Faceplate
2. Model 6172 Faceplate Silkscreened “EXIT”
3. Model 6173 Faceplate Silkscreened “EXIT/SALIDA”
4. Model 6174 Faceplate Silkscreened “EXIT/SORTIE”
5. Model 6175 Faceplate Silkscreened “PUSH TO UNLOCK”
6. Model 6175 Faceplate Silkscreened “PUSH TO OPEN”
7. Model 6171CSF Faceplate Custom Silkscreened

8. Finish shall be: US3 Bright Brass
9. Finish shall be: US4 Satin Brass
10. Finish shall be: US10B Dark Bronze
11. Finish shall be: US26 Bright Chrome

12. Provide Weatherproof Surface Back Box – 2-5/8” deep

B, High Visibility Exit Controls: DynaLock 6500 Series. Heavy duty pushplate incorporating long life electroluminescent technology for enhanced visibility in smoke and darkness. Vandal resistant two gang solid aluminum construction with tamper resistant mounting hardware. Switch contact rating shall be 6A@125VAC with 7 inch long color codes 18AWG leads. Pushplates shall carry a Lifetime Warranty.

1. 12VDC
2. 24VDC

3. MO: MOMENTARY SPDT
4. AA: ALTERNATE ACTION SPDT
5. PTD: PNEUMATIC TIME DELAY 2-60 SEC, SPDT (FORM z)

6. EX: “EXIT”
7. PE: “PUSH TO EXIT”
8. OP: “OPEN”

9. PO: “PUSH TO OPEN”
10. SA: “SALIDA” SPANISH (EXIT)
11. SO: “SORTIE” FRENCH (EXIT)
12. ES: “EXIT/SALIDA” ENGLISH & SPANISH
13. EF: “EXIT/SORTIE” ENGLISH & FRENCH
14. AB: “ABRA” SPANISH (OPEN)
15. OU: “OUVREZ” FRENCH (OPEN)
16. OA: “OPEN/ABRA” ENGLISH & SPANISH
17. OZ: “OPEN/OUVREZ” ENGLISH & FRENCH
18. CS: CUSTOM SIGNAGE.

19. Finish shall be: US 28 Satin Aluminum
20. Finish shall be: US3 Bright Brass
21. Finish shall be: US4 Satin Brass
22. Finish shall be: US10 Light Bronze
23. Finish shall be: US13 Medium Bronze
24. Finish shall be: US10B Dark Bronze
25. Finish shall be: US19 Black Satin
26. Finish shall be: US26 Bright Chrome

27. DP: DPDT Switch (Not available with PTD switch format.