* 1. electronic access control locksETS – wireless cylindrical-type (SCHLAGE NDEB)
     1. Manufacturer and Products:
        1. Scheduled Manufacturer and Product: Schlage NDEB Series.
        2. Acceptable Manufacturers and Products: No Substitute.
     2. Requirements: Provide wireless electronic locksets that comply with the following requirements.
        1. Provide Grade 1 Operational & Grade 1 Security locks using cylindrical chassis conforming to ANSI/BHMA A156.25-2013, A156.2-2011 Series 4000 with non-interchangeable cores. Cylinders: refer to “KEYING” article, herein.
        2. Provide locksets with solid cast levers and solid cast escutcheons on both sides.
           1. Lever design: Rhodes, Athens, Sparta, Tubular, Omega, Latitude, Longitude, Broadway or Boardwalk
           2. OPTION (where required by Authority Having Jurisdiction) - Provide tactile warning on levers on exterior (secure side) of doors serving rooms or areas considered to be hazardous.
        3. Provide locksets with solid steel anti-rotation through bolts and posts to control excessive lever rotation.
        4. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
        5. Provide Vandlgard/Free-Wheeling levers with vandal resistant technology for use at heavy traffic or abusive applications.
        6. Provide locks with standard latches featuring a 2 3⁄4" (70 mm) backset and a 1 ⁄2" latch throw capable of UL listing of 3 hours on a 4.0 x 10.0 opening.
        7. Provide standard ASA strikes unless extended lip strikes are required to protect trim.
        8. Additional Applicable Standards:
           1. Listed UL 294 - Standard of Safety for Access Control System Units
           2. Certified to UL10C, FCC Part15, IC RSS-210, ADA, RoHS, ICC ANSI A117.1
           3. Compliant with FBC TAS 201, TAS 202, TAS 203 for door assemblies.
           4. Certified to FBC 3905, 12400, 1591 and 14482
        9. Functions: Every lockset is multifunction – Storeroom, Office, Privacy, Apartment
        10. Emergency Override: Provide mechanical key override. Cylinders: refer to “KEYING” article, herein.
        11. Power Supply:
            1. Provide lockset powered by four AA batteries
            2. Provide locksets with the ability to communicate battery status and battery voltage level by means of an application on mobile device, at the door, and remotely by integrated software.
        12. Features: Provide locksets with the following features.
            1. Ability to communicate unit’s communication status via LED
            2. Capable of being programmed via Mobile or Web based App to lock via BLE or via integrated SW partner system via BLE Gateway or existing building Wi-Fi
            3. Visual tri-colored LED indicator that indicate activation, operational systems status, system error conditions and low power conditions as determined by integrated software partner.
            4. Audible feedback that can be enabled or disabled.
            5. Tamper-resistant screws: Single tamper-resistant torx screw on inside escutcheon.
            6. Capable of reacting to a lockdown command in under 5 seconds when used with a software partner that has integrated this feature.
        13. Electronic Access Control:
            1. Architecture: Provide locksets manufactured with open architecture characteristics capable of handling new and existing physical access control software and credential reading technology. <If PACS Partner is known, add additional information for support>
            2. Can be supported by Allegion’s ENGAGE™ cloud-based web and mobile apps with or without the need for an integrated physical access control system partner.

EDIT – as required if access management method is known

* + - * 1. Can be managed using connected smart phone or tablet to program, update access rights, change lock defaults, pull audits and update lock firmware.
        2. Can be managed using local Wi-Fi connection program, update access rights, change lock defaults, pull audits and update lock firmware.
        3. Can be managed using Allegion BLE Gateway and RS-485 connection to Physical Access Control System to program, update access rights, change lock defaults, pull audits and update lock firmware.
        4. Can be managed using Allegion BLE Gateway and IP connection to Physical Access Control System to program, update access rights, change lock defaults, pull audits and update lock firmware.
      1. Switches: Provide locksets with the following switches:
         1. Door Position Switch (DPS)
         2. Request to Exit (RX)
         3. Optional Interior Push Button
         4. Interior Cover Tamper Guard
      2. Credential Reader:
         1. Credential Reader Configuration: Provide credential reader modules in the following configurations, as indicated in door hardware sets. Provide NFC-compatible multi-technology contactless reader, including NFC peer-to-peer compatible, and read access control data from both 125 kHz proximity and 13.56 MHz contactless smart cards. Provide multi-technology contactless reader optimally designed for use in access control applications that require reading both 125 kHz proximity and 13.56 MHz contactless smart cards.
         2. Credential reader capabilities:

BLE enabled smartphone credential

13.56 MHz smart credentials:

Secure section (multi-technology and smart card): Schlage MIFARE Classic®, Schlage MIFARE Plus®, Schlage MIFARE® DESFire® EV1

13.56 MHz serial number only (multi-technology and smart credential): DESFire CSN, HID iCLASS CSN, MIFARE CSN, MIFARE DESFire EV1 CSN

125 kHz proximity credentials: Schlage, XceedID, HID, GE/CASI, AWID

Multi-technology readers that read both 13.56 MHz smart and 125 kHz proximity credentials.