SECTION 11 12 33

PARKING GATE OPERATORS

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\*\* NOTE TO SPECIFIER \*\* All-O-Matic, Inc.; Parking gate operators.  
This section is based on the products of All-O-Matic, Inc., which is located at:  
7658 Haskell Ave.  
Van Nuys, CA 91406  
Tel: 818-787-1988  
Fax: 818-787-2214  
Email: [request info (luis@allomatic.net)](https://arcat.com/rfi?action=email&company=All-O-Matic%252C%252BInc.&message=RE%253A%2520Spec%2520Question%2520(11123aom)%253A%2520&coid=46926&spec=11123aom&rep=&fax=818-787-2214)  
Web: <https://allomatic.net>   
 [ [Click Here](https://arcat.com/company/all-o-matic-inc-46926) ] for additional information.  
For over 20 years, our main goal has been to establish everlasting partnerships with our customers by providing the highest quality gate operators, hardware, and services.  
We are the only manufacturer with a full line of AC and DC gate operators. We provide an assortment of small residential to heavy duty commercial operators to satisfy your installation needs. All-O-Matic gate operators offer a variety of options such as integrated battery backup, emergency foot pedal release, and built-in loop rack. We continually monitor and evaluate our gate operators in the field to ensure the optimum performance.  
Over the last few years our selection of products has increased from gate operators to a variety of hardware and accessories. We now offer the only tandem gate hardware in the industry, a power inverter, roller chain, v-groove wheels, guide rollers and fire boxes, just to name a few.  
What sets us apart from the competition is our commitment to providing you with the best service possible. Everyone who answers the phone doesn't simply read off a manual to answer your question but actually has hands on experience with our products. We pride ourselves in answering your questions promptly and efficiently so that we can save you time.  
All-O-Matic has maintained these high standards through its daily efforts to manufacture a better product and give the service others can only dream of.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Slide Gate Operators.
    2. Swing Gate Operators.
    3. Overhead Gate Operators.
    4. Barrier Arm Operators.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03 30 00 - Cast-in Place Concrete.
    2. Section 26 05 19 - Low-Voltage Electrical Power Conductors and Cables.
    3. Section 26 05 26 - Grounding and Bonding for Electrical Systems.
    4. Section 26 05 33 - Raceway and Boxes for Electrical Systems.
    5. Section 26 31 00 - Photovoltaic Collectors: solar panels.
    6. Section 28 15 00 - Card readers, RF transmitters, and coin and ticket machines.
    7. Section 32 31 13 - Chain Link Fences and Gates.
  1. REFERENCES
     1. CSA International (CSA).
        1. CSA C22.2-2015, Canadian Electrical Code, Part II.
     2. Underwriters Laboratories (UL):
        1. UL 325, Door, Drapery, Gate, Louver, and Window Operators and Systems.
        2. UL 991, Standard for Tests for Safety-Related Controls Employing Solid-State Devices.
  2. ADMINISTRATIVE REQUIREMENTS
     1. Pre-installation Meeting: Convene pre-installation meeting after Award of Contract and one week prior to commencing work of this Section to verify project requirements, substrate conditions and coordination with other building sub-trades, and to review manufacturer's written recommendations.
        1. Comply with Section 01 31 19 Project Meetings and co-ordinate with other similar pre-installation meetings.
        2. Notify attendees 2 weeks prior to meeting and ensure meeting attendees include as minimum: a. Owner.
           1. Architect.
           2. Manufacturer's technical representative.
           3. Gate operator installer.
           4. Electrical subcontractor.
        3. Ensure meeting agenda includes review of methods and procedures related to sliding gate operator installation including coordination with related work.
        4. Record meeting proceedings including corrective measures and other actions required to ensure successful completion of work and distribute to each attendee within one week of meeting.
  3. SUBMITTALS
     1. Submit under provisions of Section 01 30 00.
     2. Product Data: Manufacturer's standard specifications and descriptive literature, including:
        1. Manufacturer's data sheets on each product to be used.
        2. Preparation instructions and recommendations.
        3. Storage and handling requirements and recommendations.
        4. Typical installation methods.
     3. Shop Drawings: Include information as follows:
        1. Physical dimensions and characteristics.
        2. Location of electrical connections.
        3. Wiring diagrams.
        4. Layout of control panel including LED diagnostics panel.
        5. Anchor bolt template.
     4. Manufacturer's written Instructions, including:
        1. Delivery, storage and handling recommendations.
        2. Preparation and installation recommendations.
     5. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
     6. Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria, and physical requirements.
     7. Manufacturer's Field Reports: Submit manufacturer's field reports within 3 days of each manufacturer representative's site visit and inspection.
     8. Installer's Experience: Submit verification of evidence of work similar to the work of this Section.
     9. Electrician's Qualification: Submit copy of certification as journeyman or master electrician.
     10. Warranty: Fully executed, issued in Owner's name, and registered with manufacturer, including:
         1. Manufacturer's warranty, from date of substantial completion, covering defects in materials.

\*\* NOTE TO SPECIFIER \*\* Delete if not applicable to product type.

* + 1. Verification Samples: Two representative units of each type, size, pattern, and color.
  1. CLOSEOUT SUBMITTALS
     1. Operation and Maintenance Data: Supply maintenance data for sliding gate operator for incorporation into manual specified in Section 01 78 00 Closeout Submittals.
     2. Record Documentation: In accordance with Section 01 78 00 Closeout Submittals.
        1. List materials used in gate operators work.
        2. Warranty: Submit warranty documents specified.
     3. Submit under provisions of Section 01 30 00.
  2. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum of five years documented experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
     3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.
  3. PRE-INSTALLATION CONFERENCE
     1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
  4. DELIVERY, STORAGE, AND HANDLING
     1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
     2. Deliver materials in accordance with manufacturer's written instructions.
        1. Deliver gate operator components and accessories in manufacturer's original, unopened, undamaged packaging with identification labels intact and product name and manufacturer name clearly visible, and in sizes to suit project.
        2. Inspect each package for damage and promptly contact All-O-Matic, Inc. directly to report damaged packages or materials.
        3. Replace damaged materials with new immediately.
     3. Store materials in manufacturer's unopened packaging until ready for installation.
     4. Protect from damage due to weather, excessive temperature, and construction operations.
  5. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
  6. WARRANTY
     1. Manufacturer's standard limited warranty unless indicated otherwise.
     2. Manufacturer's warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official.

\*\* NOTE TO SPECIFIER \*\* Retain one of the warranties below if required, and delete the other.

* + - 1. Manufacturer's 5-year limited commercial warranty is in addition to and not intended to limit other rights Owner may have under Contract conditions.
      2. Manufacturer's 7-year limited residential warranty is in addition to and not intended to limit other rights Owner may have under Contract conditions.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: All-O-Matic, Inc., which is located at:  
         7658 Haskell Ave.  
         Van Nuys, CA 91406  
         Tel: 818-787-1988  
         Fax: 818-787-2214  
         Email: [request info (luis@allomatic.net)](https://arcat.com/rfi?action=email&company=All-O-Matic%252C%252BInc.&message=RE%253A%2520Spec%2520Question%2520(11123aom)%253A%2520&coid=46926&spec=11123aom&rep=&fax=818-787-2214);Web: <https://allomatic.net>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with the provisions of Section 01 60 00.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. SLIDE GATE OPERATORS
     1. SL-45DC PRO Slide Gate Operator (residential only), as manufactured and supplied by All-O-Matic.
        1. Maximum gate weight: 800 lbs (362.87 kg).
        2. Maximum gate length: 30 feet (9.1400 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless with planetary gearbox.
      3. Gate Speed: Adjustable, 6 to12 inches (152.4 to 304.80 mm) per second.
      4. Integrated battery backup.
      5. Two AOM-RED EYE 2 Kits; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Available accessories include:
         1. V-Groove wheels.
         2. Guide rollers.
         3. Fire boxes.
         4. 24V solar panel.
         5. Goosenecks.
    1. SL-90DC PRO Slide Gate Operator (residential/commercial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 1,600 lbs (272.16 kg).
       2. Maximum gate length: 50 feet (15.2400 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.
      3. Motor: 24 VDC brushless - 1/2 HP.
      4. Gate Speed: Adjustable, 6 to 12 inches (152.4 to 304.80 mm) per second.
      5. Integrated battery backup.
      6. Two AOM-RED EYE 2 Kits; retro-reflective photo eye.
      7. Temperature range: -40 degrees F to +160 degrees F.
      8. Includes mechanical foot pedal release.
      9. Available accessories include:
         1. V-Groove wheels.
         2. Guide rollers.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SL-100DC PRO Slide Gate Operator (residential/commercial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 2,000 lbs.
       2. Maximum gate length: 50 feet (15.2400 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless - 1/2 HP.
      3. Gate Speed: Adjustable, 6 to 12 inches (152.4 to 304.8 mm) per second.
      4. Integrated battery backup.
      5. Two AOM-RED EYE 2 Kits; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes mechanical foot pedal release.
      8. Available accessories include:
         1. V-Groove wheels.
         2. Guide rollers.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SL-150DC PRO Slide Gate Operator with 1/2 HP motor (residential/commercial/industrial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 3,000 lbs.
       2. Maximum gate length: 60 feet (18.2900 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless - 1/2 HP.
      3. Gate Speed: Adjustable, 6 to 12 inches (152.4 to 304.80 mm) per second.
      4. Integrated battery backup.
      5. Two AOM-RED EYE 2 Kits; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes mechanical foot pedal release.
      8. Available accessories include:
         1. V-Groove wheels.
         2. Tandem kit.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SL-150DC PRO Slide Gate Operator with 1 HP motor (residential/commercial/industrial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 4,000 lbs.
       2. Maximum gate length: 60 feet (18.2900 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless - 1 HP.
      3. Gate Speed: Adjustable, 6 to 12 inches (152.4 to 304.80 mm) per second.
      4. Integrated battery backup.
      5. Two AOM-RED EYE 2 Kits; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes mechanical foot pedal release.
      8. Available accessories include:
         1. V-Groove wheels.
         2. Tandem kit.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SL-175DC Slide Gate Operator (residential/commercial/industrial), as manufactured and supplied by All-O-Matic.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following paragraphs.

* + - 1. Maximum gate weight: 8,000 lbs. (12 inches (304.80 mm) per second).
      2. Maximum gate weight: 3,000 lbs. (24 inches (609.60 mm) per second).
      3. Maximum gate length: 100 feet (30.4800 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 36 VDC solar panel.
      2. Motor: 36 VDC brushless.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following paragraphs.

* + - 1. Gate Speed: 12 inches (304.80 mm) per second.
      2. Gate Speed: 24 inches (609.60 mm) per second.
      3. Integrated battery backup.
      4. Two AOM-RED EYE 2 Kits; retro-reflective photo eye.
      5. Temperature range: -40 degrees F to +160 degrees F.
      6. Includes mechanical foot pedal release.
      7. Available accessories include:
         1. V-Groove wheels.
         2. Tandem kit.
         3. Fire boxes.
         4. 36V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. SWING GATE OPERATORS
     1. SW-300DC PRO Swing Gate Operator (residential/commercial), as manufactured and supplied by All-O-Matic.
        1. Maximum gate weight: 1,200 lbs (90.72 kg).
        2. Maximum gate length: 20 feet (6.1000 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless - 1/2 HP.
      3. Gate Speed: Adjustable, 15 to 30 inches (381 to 762 mm) per second for 90 degree opening.
      4. Integrated battery backup.
      5. One AOM-RED EYE 2 Kit; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes emergency release.
      8. Available accessories include:
         1. Mag lock.
         2. Hinges.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SW-320DC PRO Swing Gate Operator (residential/light commercial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 700 lbs (317.51 kg).
       2. Maximum gate length: 14 feet (4.2700 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless DC gearhead motor.
      3. Gate Speed: Adjustable, 16 to 30 inches (406.4 to 762 mm) per second for 90 degree opening.
      4. Integrated battery backup.
      5. One AOM-RED EYE 2 Kit; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes emergency release.

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs if mounting kit is required.

* + - 1. Optional Mounting Kit:
         1. SPT-320/325 Post mount kit.
         2. SPD-320/325 Pad mount kit.
      2. Available accessories include:
         1. Mag lock.
         2. Hinges.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SW-325DC PRO Swing Gate Operator (residential/commercial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 2,000 lbs.
       2. Maximum gate length: 20 feet (6.1000 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless - 1/2 HP motor.
      3. Gate Speed: Adjustable, 14 to 25 inches (355.6 to 635 mm) per second for 90 degree opening.
      4. Integrated battery backup.
      5. One AOM-RED EYE 2 Kit; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes emergency release.

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs if mounting kit is required.

* + - 1. Optional Mounting Kit:
         1. SPT-320/325 Post mount kit.
         2. SPD-320/325 Pad mount kit.
      2. Available accessories include:
         1. Mag lock.
         2. Hinges.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SW-350DC PRO Swing Gate Operator with 1/2 HP motor (residential/commercial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 2,000 lbs.
       2. Maximum gate length: 22 feet (6.7100 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless - 1/2 HP.
      3. Gate Speed: Adjustable, 6 to 12 inches (152.40 to 304.80 mm) per second.
      4. Integrated battery backup.
      5. One AOM-RED EYE 2 Kit; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes mechanical foot pedal release.
      8. Available accessories include:
         1. Mag lock.
         2. Hinges.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SW-350DC PRO Swing Gate Operator with 1 HP motor (residential/commercial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 2,500 lbs (226.80 kg).
       2. Maximum gate length: 22 feet (6.7100 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 24 VDC solar panel.
      2. Motor: 24 VDC brushless - 1 HP.
      3. Gate Speed: Adjustable, 6 to 12 inches (152.4 to 304.80 mm) per second.
      4. Integrated battery backup.
      5. One AOM-RED EYE 2 Kit; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes mechanical foot pedal release.
      8. Available accessories include:
         1. Mag lock.
         2. Hinges.
         3. Fire boxes.
         4. 24V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.
    1. SW-375DC Swing Gate Operator (residential/commercial/industrial), as manufactured and supplied by All-O-Matic.
       1. Maximum gate weight: 5,000 lbs.
       2. Maximum gate length: 30 feet (9.1400 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.

\*\* NOTE TO SPECIFIER \*\* Retain solar panel power only if required.

* + - 1. Power: 36 VDC solar panel.
      2. Motor: 36 VDC brushless.
      3. Gate Speed: Adjustable, 14-27 seconds for 90 degree opening.
      4. Integrated battery backup.
      5. One AOM-RED EYE 2 Kit; retro-reflective photo eye.
      6. Temperature range: -40 degrees F to +160 degrees F.
      7. Includes emergency release.
      8. Available accessories include:
         1. Mag lock.
         2. Hinges.
         3. Fire boxes.
         4. 36V solar panel.
         5. AOM PRIME VD1 Plug-in loop detector.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. OVERHEAD GATE OPERATORS
     1. OH-200DC PRO Overhead Gate Operator, as manufactured and supplied by All-O-Matic.
        1. Maximum gate weight: 800 lbs (362.87 kg).
        2. Maximum gate length: 20 feet (6.1000 m).

\*\* NOTE TO SPECIFIER \*\* Retain one of the following paragraphs and delete the other.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.
      3. Motor: 24 VDC brushless - 1/2 HP.
      4. Gate Speed: 14 to 26 seconds for full open (6.5 to 8 foot gate).
      5. Integrated battery backup.
      6. One AOM-RED EYE 2 Kit; retro-reflective photo eye.
      7. Temperature range: -40 degrees F to +160 degrees F.
      8. Includes emergency release.
      9. Available accessories include:
         1. Mag lock.
         2. Jamb track hardware.
         3. Fire boxes.
         4. Goosenecks.
         5. AOM PRIME VD1 Plug-in loop detector.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. BARRIER ARM OPERATORS
     1. MAGNA Q Barrier Arm Operator (residential/commercial/industrial), as manufactured and supplied by All-O-Matic.
        1. Arm Speed: 2.5 to 4.5 seconds for 90 degree movement.

\*\* NOTE TO SPECIFIER \*\* Delete unused paragraphs below.

* + - 1. Power: 120VAC.
      2. Power: 208/240VAC, Single phase.
      3. Power: 24VDC Solar.
      4. Operating voltaqe: 24VDC.
      5. Mechanical release: Spindle crank for manual arm movement.
      6. Options include:
         1. Arm Extension: 49 inch (1244.60 mm) extension to increase arm length to 19 feet 8 inch (5.4340 m).
         2. Folding Arm: (specify main arm length).
         3. Edge Sensor.
         4. LED Strips.
      7. Available accessories include:
         1. AOM PRIME VD1 Plug-in loop detector.
         2. AOM-RED EYE 2 Kit; retro-reflective photo eye.
         3. Solar Panels: 55W, 24VDC panels.

1. EXECUTION
   1. EXAMINATION
      1. Verification of Conditions: Verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for sliding gate operator installation in accordance with manufacturer's written recommendations.
         1. Visually inspect substrate in presence of Architect.
         2. Ensure that gate moves freely before installing gate operator.
         3. Ensure all gaps greater than 2-1/4 inches (101.60 mm) in sliding gate-to-fence assembly below 6 feet (1.8300 m) height are eliminated.
         4. Inform Architect of unacceptable conditions immediately upon discovery.
         5. Proceed with application only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Architect.
         6. Starting installation of sliding gate operator implies substrate conditions and gate installation are acceptable for Work of this Section.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install sliding gate operators in accordance with manufacturer's written instructions.
      2. Locate sliding gate operator as indicated.
      3. Install plumb and square.
      4. Ground sliding gate operator in accordance with Division 26 requirements.
      5. Install accessories and additional components specified.
      6. Connect low voltage wiring in accordance with Section 26 05 19 - Low-Voltage Electrical Power Conductors and Cables.
   4. ADJUSTMENT
      1. Adjust sliding gate operator clutch or load sensing device to minimum force setting that will still allow for reliable gate operation.
      2. Lubricate moving parts to operate smoothly.
   5. CLEANING
      1. Perform daily progress cleaning.
         1. Leave work area clean at end of each day.
      2. Upon completion, remove surplus materials, rubbish, tools and equipment.
      3. Collect recyclable waste and dispose of in accordance with manufacturer's written recommendations and at appropriate recycling facilities.
   6. CLOSEOUT PROCEDURES
      1. Demonstration and Training: Engage factory-authorized service representative to train Owner's maintenance personnel in adjustment, operation, and maintenance and to demonstrate use of sliding gate operators.
   7. PROTECTION
      1. Clean products in accordance with the manufacturer's recommendations.
      2. Protect installed sliding gate operators from damage during construction.
      3. Repair or replace adjacent materials damaged by installation of sliding gate operators.

END OF SECTION