

SlideSmart ™ HD

Cycle BIG, HEAVY gates

Commercial, battery backed up slide gate operator



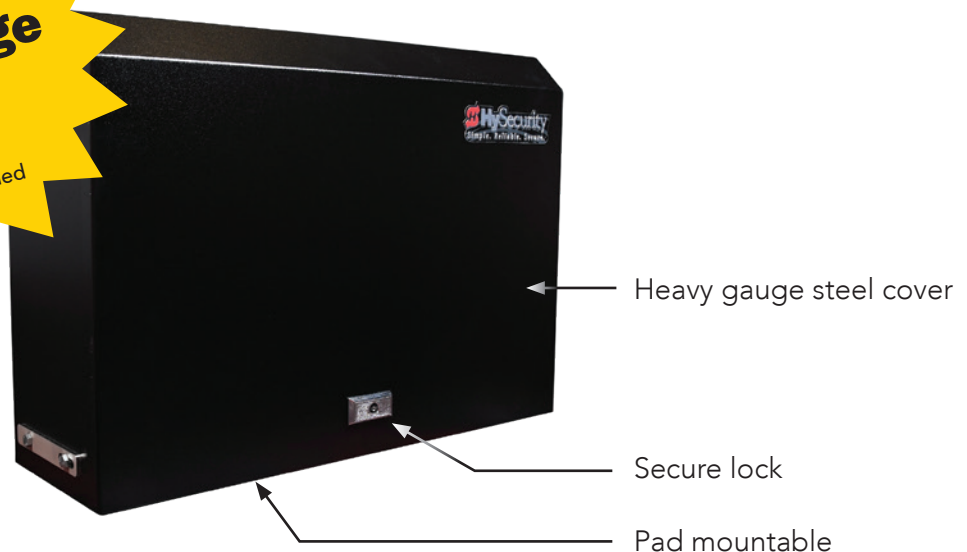
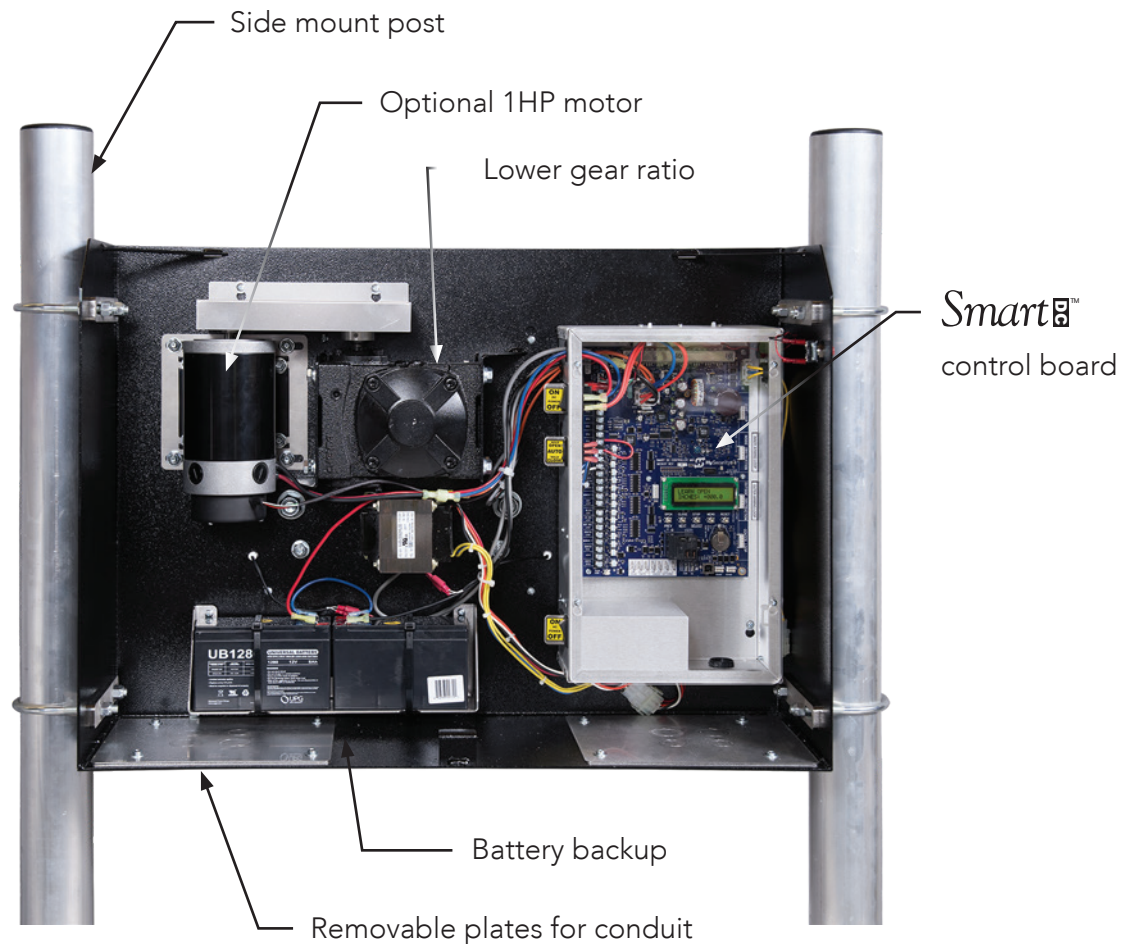
The HySecurity operator you've wished for. SlideSmart HD fills the doughnut hole between the rugged SlideSmart DC and the behemoth, SlideDriver.

Attractively priced, this HySecurity heavy-duty operator reliably cycles heavy commercial and industrial gates.

Easily retrofit similar profile operators out-of-the-box, or with accessory hardware.



Quick and easy to install. Low maintenance.



Heavy duty. Commercial. Battery Backup.

Family Traits

- Best in class Smart DC™ controls
- 24VDC with battery backup
- Seamless operation with HySecurity accessories
 - HyNet
 - Hy5B
- 5 year warranty

Distinctive Features

- For BIG gates up to 3,000 lb
- Sturdy steel enclosure
- Side mount posts



Standard	SlideSmart DC HD25	SlideSmart DC HD30
Gate Weight Max.	2,500 lb (1,134 kg)	3,000 lb (1,361 kg)
Gate Length Max.	50 ft (15 m)	
Pull Force*	450 lb	500 lb
Rate of Travel	0.75, 1 or 1.25 ft/s (23, 30 or 38 cm/s)** Open/Close speed set independently	
Duty Cycle	Continuous	
Horsepower	1/2 hp	1 hp
Drive	Electromechanical	
Uninterruptible Power Supply†	Standard battery backup gate travel: Two 8Ah batteries. Up to 4,000 ft (1,219 m) after AC power loss. Field configurable to fail open or secure when batteries deplete.	
	Extended battery backup gate travel: Two 50Ah batteries. Up to 25,000 ft (7,620 m) after AC power loss. Field configurable to fail open or secure when batteries deplete. Base riser required for SlideSmart DC 10F, 15.	
Temperature Rating	-13°F to 158°F (-25°C to 70°C) Optional heater for extended performance.	
Operating Voltage	24VDC	
Voltage Input	115V or 208-230V, 60/50 Hz.	
Accessory Power	12VDC and 24VDC 1A each	
Communication	USB, RS-232, RS-485. Ethernet/fiber using optional HyNet™ Gateway accessory	
User Controls	Smart DC Controller with 70+ configurable settings. 32 character LCD display and 5 tact buttons or a PC using S.T.A.R.T. software.	
Relays	Two configurable user relays: 30VDC, 3A solid state and 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs	
Finish	Zinc rich primer chassis with black powder coated steel cover	
ETL Listed (UL 325)	Usage Class I, II, III, IV	
Cycle Tested	500,000 cycles	
Warranty	5 year	

*HySecurity manufacturers only reliable and powerful gate operators and provides an extra margin of power to be certain the gate works in adverse conditions. Some manufactures overstate the length and weight capacity of their operators, but HySecurity rates conservatively. Note that our pull force ratings are substantial and that extra margin of power is part of the HySecurity reputation for reliability.

**Speed setting cannot be configured to exceed 1 ft/s for Class I and II usage.

†SlideSmart DC is exceptionally energy efficient, however actual battery backed up gate travel will depend on gate resistance to travel, cycle length, battery health, ambient temperature, accessories drawing battery power and frequency of gate cycles during power outage.

To enable fully automatic operation, all SLIDE gate operators require a minimum of TWO monitored external entrapment protection sensors (one for each direction) to protect entrapment zones in both the open and close direction of travel. Visit www.hysecurity.com/gatesafety for more information on UL 325 standards and gate safety.

SlideSmart™ HD

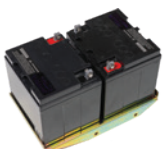
Commercial, battery backed up slide gate operator

- Keep your gate moving after power loss: 4,000 ft/standard batteries and 25,000 ft/extended batteries
- Move up to 3,000 lb/50 ft gates with ease
- Pad or post mount
- Intelligent charging system, monitors battery condition to maximize battery life
- Rodent proof heavy duty enclosure
- Field programmable to specific site requirements
- Real time system security alerts with optional HyNet™ Gateway
- 5 year warranty



Optional Base Extension and Retrofit Adapter

Accessories



Battery Backup Kit - 50 Ah



ASO Edge Sensors



Hy8Relay™



HyNet™ Gateway Integration



Hy5B™ Vehicle Detector



HD25/30 Heater Kit



Photo Eye Kits



Base Extension & Retrofit Adapter

SYSTEM DESIGN SUPPORT: Contact HySecurity for CAD drawings, tech manuals, help with custom site requirements or other specifications support. Call to speak with a HySecurity representative today.

VISIT WWW.HYSECURITY.COM for specifications, installation manuals, wiring diagrams, parts diagrams, image gallery, videos, training and much more.

Distributed by:



Contact HySecurity/Nice Regional Sales Manager for an operator/parts distributor near you.
phone **253-867-3700** | **800-321-9947** | www.hysecurity.com | orders@hysecurity.com



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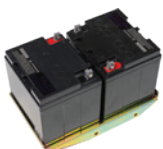
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Accessories



Battery Backup Kit - 50 Ah



ASO Edge Sensors



Hy8Relay™



HyNet™ Gateway Integration



Hy5B™ Vehicle Detector



HD25/30 Heater Kit



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Base Extension & Retrofit Adapter

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Proven Integrated, Intelligent Controls

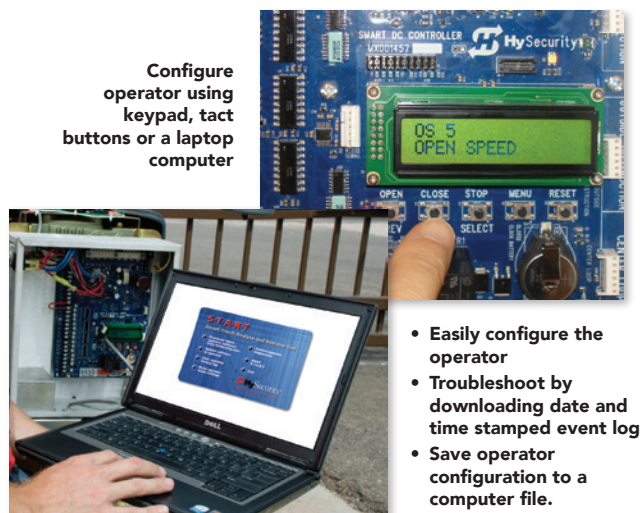
Easily configure gate operation to specific site requirements with unequalled HySecurity Smart Touch and Smart DC Controllers

- Controller and keypad are safely located and easily accessible inside the enclosed chassis
- Menu mode for installer and end user configuration
- PC software available for easy configuration and quick troubleshooting using Smart Touch Analyze and Retrieve Tool (S.T.A.R.T.)
- Upload latest software, troubleshoot system and save operator configurations.
- Patented Anti-Tailgate mode
- Optional plug-in Hy5A/Hy5B vehicle detectors. No crosstalk
- RS-485, HyNet™ Gateway for communicating gate system and accessory status in real time via Ethernet/fiber
- Unparalleled power surge/lightning strike protection
- Easy one wire input terminal connections and common wire buss
- Program dual gate or sequenced gate integration.
- Approved to the latest UL 991

Smart DC Controller *Another HySecurity Innovation*

Common to all HySecurity electromechanical operators

- Two* configurable user relays plus optional Hy8Relay™ - an accessory module providing eight additional programmable relay outputs.
- USB and RS-232 for connection to laptop

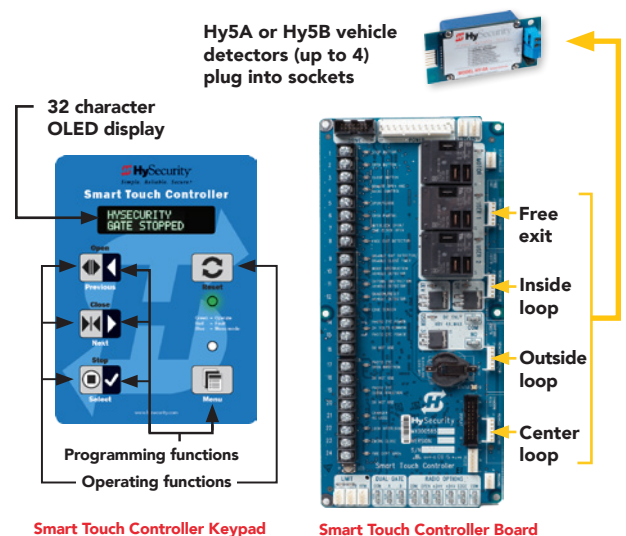


*One configurable user relay on StrongArmPark DC

Smart Touch Controller *Another HySecurity Innovation*

Common to all HySecurity hydraulic operators

- Three configurable user relays plus optional Hy8Relay™ - an accessory module providing eight additional programmable relay outputs.
- RS-232 for connection to laptop



Tap into HySecurity Gate Operator Intelligence

HyNet™ Gateway

The HyNet™ Gateway provides intelligent perimeter control with real time connection to a HySecurity operator. HyNet communicates breach or operational issues with the access control point via built in web interface, Web Services API or SNMP

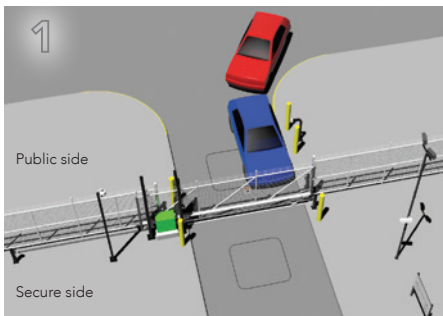
- Easily integrate your gate with Security Platform for complete perimeter security.
- Receive critical gate system operational and breach conditions through text or email from HySecurity Smart Touch and Smart DC gate operator intelligence.
- Respond appropriately to events and alerts intelligently, quickly, and in real time. Be confident that your response is suitable to the threat.



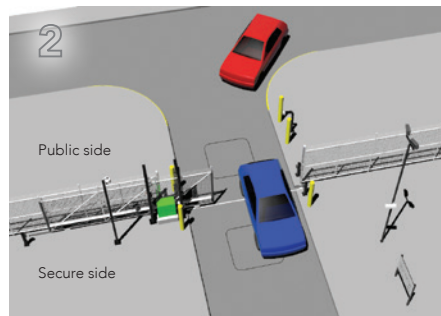
Status Screen
Monitor gate status and cycle counts

Operations Screen
Operate gate and view brief status details

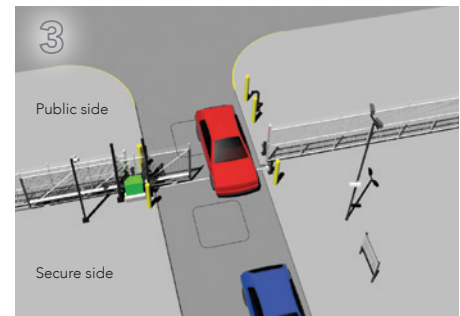
Event Log View gate events, alerts, logs and parking counts



SlideDriver detects...



...nearly thwarts and then



reports a tailgating incident to the site command and control center.

ALERT, REPORTING, AND ACTIVATION EXAMPLES

Security monitoring/breach reporting

- Unauthorized vehicle entry
- Anti-tailgating mode
- Vehicle loitering
- Gate open too long
- Gate forced open

Gate malfunction alert

- Gate failure
- AC power failure
- Malfunction of vehicle detector or loop (requires Hy5A vehicle detector)

Gate operation and display

- Seamless synchronization with all HySecurity operators for dual gate, sally port or sequenced gate integration
- Easy installation configuration
- Trigger external cameras, floodlights, sirens, flashers
- Gate external lock activation/deactivation

Safety and alerts

- Warn before and/or during operation buzzer
- Actuate siren or flashing light before and/or during operation
- Safe mode: If any sensor is triggered, gate stops and reverses
- Entrapment mode: Two successive sensor activations (gate hits) requires manual operator reset

**TECHNICAL SPECIFICATIONS for Model
SlideSmart DC™ HD25
Slide Gate Operator with Smart DC Controller
02827 HYS**

PART 1 – GENERAL

1.1. INCLUDED IN THIS SECTION

- A. Pre-wired, gate operator for horizontal sliding gates, including all selected attachments and accessory equipment.
- B. For further information, call the manufacturer at (800) 321-9947 or visit the website at www.hysecurity.com.

1.2. RELATED WORK SPECIFIED ELSEWHERE

- A. Fencing: See section 32 3113.
- B. Cast in place concrete: See section 03 3000.
- C. Electrical service and connections: See division 26 0513.

1.3. SUBMITTALS

- A. Shop drawings: Submit shop drawings under the provisions of Section 01 3300. Submit drawings showing connections to adjacent construction, range of travel, and all electrical and mechanical connections to the operator. All underground runs of electrical lines and inductive vehicle obstruction loop locations shall be indicated on drawings. Drawings shall also show the size and location of the concrete mounting pad and or galvanized mounting posts.
- B. Installation instructions: Submit two copies of manufacturer's installation instructions for this specific project.
- C. Submit manufacturer's completed warranty registration form to Project Manager.
- D. Project list: Submit list of product installations comparable to the subject job. Include date of product installation, installer, and owner's name and location of the project.
- E. Test reports:
 - 1. Submit affidavits from the manufacturer demonstrating that the gate operator mechanism has been tested to 200,000 cycles without breakdown.

1.4. QUALITY ASSURANCE

- A. Manufacturer: A company specializing in the manufacture of gate operators of the type specified, with a minimum of five years' experience manufacturing operators of this type and design.
- B. Installer: Must have a minimum of three years' experience installing similar equipment, provide proof of attending a HySecurity Technical Training within the previous three years, or obtain other significant manufacturer endorsement of technical aptitude, if required, during the submittal process.

1.5. CODES AND REGULATORY REQUIREMENTS

- A. Operators shall be built to UL 325 standards and be listed by a nationally recognized testing laboratory. Complete all electrical work according to local codes and National Electrical Code. All fieldwork shall be performed in a neat and professional manner, completed to journeyman standards.
- B. Current safety standards require the use of multiple external sensors to be capable of reversing the gate in either direction upon sensing an obstruction. See also 2.2F
- C. Vehicular gates should never be used by pedestrians. A separate pedestrian gate must always be provided when foot traffic is present.
- D. Gate must have physical stops to prevent over travel in both the open and close directions.
- E. Current safety standards require gate operators to be designed and labeled for specific usage classes.

1. HySecurity model SlideSmart DC™ HD25 is listed for use in UL 325 Usage Classes: I, II, III, and IV (SlideSmart DC™ HD25 is listed only for use in UL 325 Usage Classes III and IV when speed setting is faster than 1 ft/s).

1.6. PRODUCT DELIVERY AND STORAGE

- A. Comply with 01 6000.
- B. Store products upright in the original shipping containers, covered, ventilated and protected from all weather conditions.

1.7. WARRANTY

- A. Provide a warranty against all defects in materials or workmanship for five years after the date of installation (for single-family residential applications the warranty shall be seven years after the date of shipment from the manufacturer). Defective materials shall be replaced at the manufacturer's discretion with new or reconditioned materials furnished by the manufacturer, at no cost to the owner. Freight, labor and other incidental costs are not covered under the factory warranty, but may be covered by a separate service agreement between installing company and the owner.
 1. To ensure validation of warranty, complete warranty registration form online at www.hysecurity.com/warranty. Warranty registration form is also included in the printed materials shipped with the operator.

PART 2 – PRODUCTS

2.1. GATE OPERATORS

- A. HySecurity gate operator model SlideSmart DC™ HD25 with Smart DC Controller, or other comparable operator, as approved by the architect or specifier. Substitute operators that are approved will be published in an addendum, not less than ten days prior to bid opening. Requests for substitution will include the amount of savings to be passed on to the owner.

2.2. OPERATION

- A. Operation shall be by means of a brushed DC electric motor driving a single reduction gear reducer with an output sprocket driving #40 plated roller chain. When the gate is stopped, the motor applies a brake to the drive assembly which inhibits any forced, manual operation of the gate. Gate position is constantly monitored allowing for automatic reposition if motion is detected without the operator receiving a run command. The opening and closing speeds are user adjustable 0.75, 1.0, or 1.25 ft/s (228, 304, or 381 mm/s). Operator shall be capable of handling gates up to 50 ft (15,240 mm) in length weighing up to 2,500 lb (1,134 kg). To accomplish this the operator shall offer 450 lb (204 kg) of rated pull force to the gate. Gate Operator shall operate in the event of a power failure in an uninterruptible power supply mode to the extent the two 8Ah batteries can maintain adequate power.
- B. Minimum standard mechanical components:
 1. Two piece lockable metal cover. Cover protects bystanders from pinch hazards of roller chain traveling through idlers and drive sprocket.
 2. Chassis to be constructed of 12ga (2.7 mm) or greater steel sheet, welded.
 3. Cover to be constructed of 16ga (1.5 mm) or greater steel sheet, welded.
 4. Finish: Chassis and covers to be powder coat painted black. Other components zinc plated or non-corroding.
 5. Gear Reducer: filled with synthetic lubricant allowing operation down to -13° F (-25° C) without a heater.
 6. Operator shall contain a position sensing device and a means of setting the limit position and maintaining this position in non-volatile memory. Operator must also contain a magnetic absolute position sensor to verify the gate position.
 7. Zinc or nickel plated #40 roller chain with chain mount brackets and connecting hardware.
- C. Minimum standard electrical components:
 1. Motor: 1/2 hp brushed DC motor with ball bearings.
 2. Electronic circuit boards to be conformal coated to resist moisture induced failures.
 3. All components shall have overload protection.
 4. Controls: Smart DC Controller Board containing:
 - a. inherent entrapment sensor;

- b. built in audible “warn before operate” system;
 - c. built in timer to close;
 - d. 32 character LCD for reporting of functions and codes with 5 button user interface;
 - e. multiple programmable output relay options;
 - f. anti-tailgate mode;
 - g. built-in power surge/lightning strike protection;
 - h. multi-stage intelligent battery charging under microprocessor control;
 - i. menu configuration, event logging and system diagnostics easily accessible with a PC and HySecurity’s free Smart Touch Analyze and Retrieve Tool;
 - j. RS-232 port for connection to laptop or other computer peripheral and RS-485 connection for network interface;
 - k. dual gate communication connection for bi-parting, sally port, or sequenced gates;
 - l. electromechanical and solid state relays;
 - m. radio option outputs;
 - n. 15 inputs for site specific configurations;
 - o. pulse width modulated control of brushed DC motor using 110A rated solid state switching devices.
- 5. Transformer: 250 VA, dual voltage. (N/A for solar model)
 - 6. Input power: 115V, 208V/230V Field selectable.
 - 7. Accessory power: 12 VDC, 24 VDC
- D. Required external sensors: See 1.5B. Specify photo eyes or gate edges or a combination thereof to be installed such that the gate will reverse in either direction upon sensing an obstruction.
 - E. Optional control devices (choose one, or more, of the following): card reader, key-switch, radio control, pushbuttons, free egress vehicle detectors, vehicle obstruction loop detectors, keypads, seven day timers or various emergency vehicle open devices as dictated by local code.
 - F. Optional alert devices: Flashing lights or rotating beacon. Configurable audible beacon included as standard.
 - G. Stop switch, accessible from outside.
 - H. Back Drivable: During AC and DC power loss, the gate can be pushed open.
 - I. Other options (*choose from the following list*):
 - 1. Extended battery backup using two 50Ah batteries.
 - 2. Through Beam or Reflective type photo eyes.
 - 3. Gate edge and transmitter radio reversing device.
 - 4. Hy5B plug in type vehicle detectors.
 - 5. Hy8Relay™ provides eight additional programmable user relay outputs.
 - 6. Communications package delivering Internet Protocol (RJ-45 copper or SFP fiber), managed switch and web based interface to operator via HyNet™ Gateway.
 - 7. Base riser brackets. Also serve as post top mount brackets.
 - 8. 115V or 230V heater kit

2.3. FACTORY TESTING

- A. Fully assemble and test, at the factory, each gate operator to assure smooth operation, sequencing and electrical connection integrity.
- B. Check all mechanical connections for tightness and alignment. Check all welds for completeness and continuity.
- C. Inspect finishes for completeness. Touch up imperfections prior to shipment.
- D. Check all electrical wires to assure that chafing cannot occur during shipping or operation.

PART 3 – EXECUTION

3.1. SITE EXAMINATION

- A. Locate concrete mounting pad or galvanized steel mounting posts in accordance with approved shop drawings and in compliance with local building codes.
- B. Make sure that gate is operating smoothly under manual conditions before installation of gate operators. Do not proceed until gate panel is aligned and operates without binding.

3.2. INSTALLATION

- A. Install gate operator in accordance with the safety regulations and the manufacturer's product literature and installation instructions, current at the time of installation. Coordinate locations of operators with contract drawings; other trades and shop drawings.
- B. Installer shall ensure that the electrical service to the operator is at least 15A. Electrical wiring to conform to NEC and manufacturer's installation instructions. SlideSmart DC™ HD25 is 500W.

3.3. FIELD QUALITY CONTROL

- A. Test operator through ten full open and close cycles and adjust for operation without binding, scraping or uneven motion. Test limit switches for proper open and close limit positions.
- B. All anchor bolts shall be fully tightened in the finished installation.
- C. Owner, or owner's representative, shall complete "check list" with installing contractor prior to final acceptance of the installation and submit completed warranty documentation to manufacturer.

3.4. CONTINUED SERVICE AND DOCUMENTATION

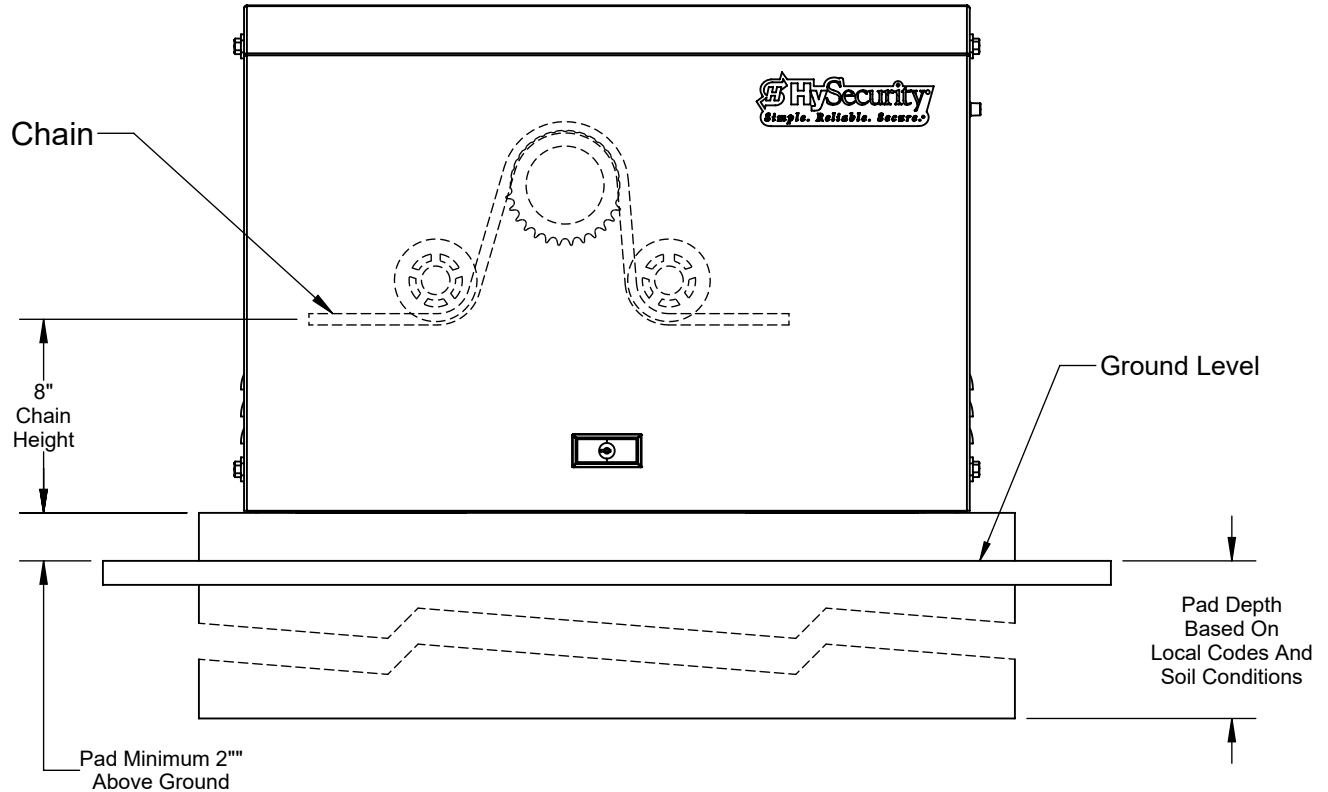
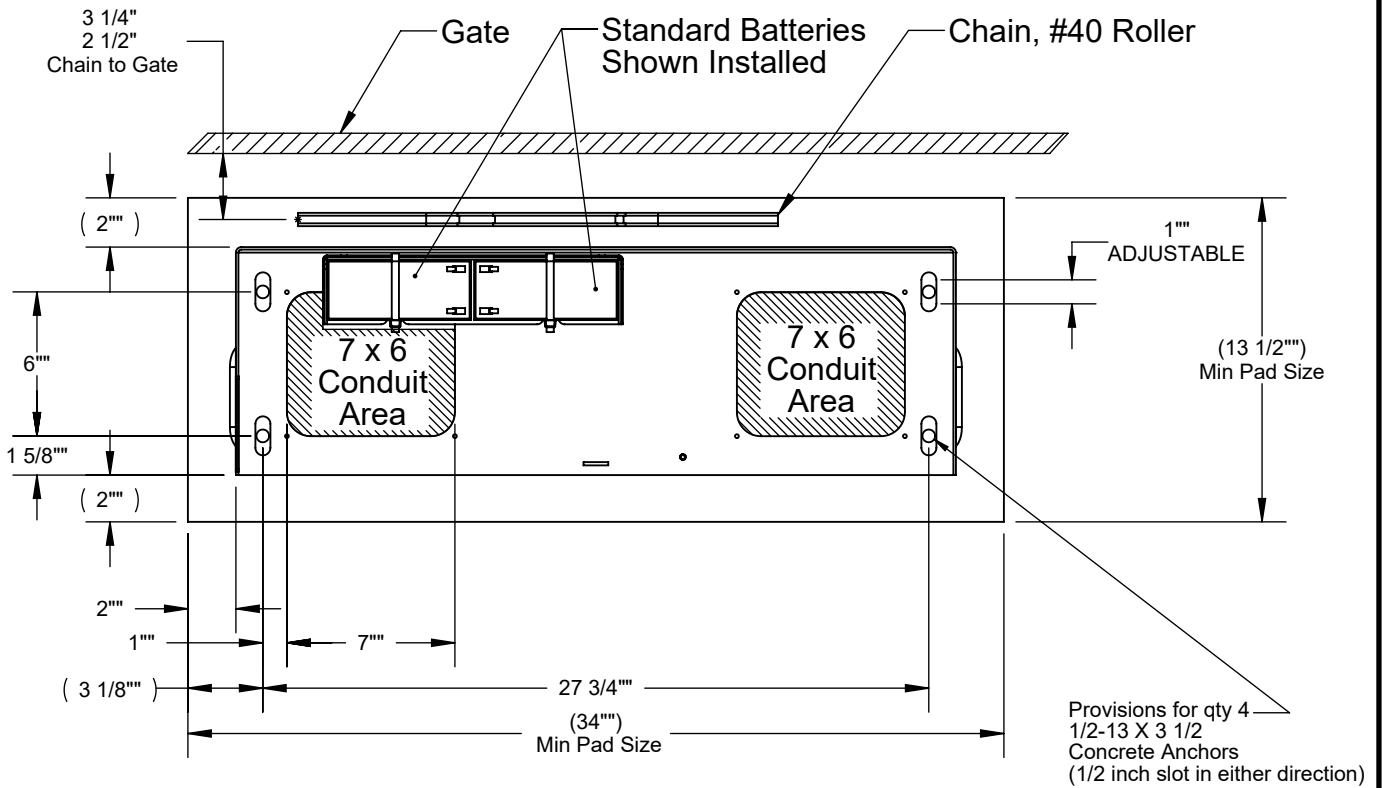
- A. Train owner's personnel on how to safely shut off electrical power, release and manually operate the gate. Additionally, demonstrate the general maintenance of the gate operator and accessories and provide one copy of "Programming and Operations Manual" for the owner's use. Manuals will identify parts of the equipment for future procurement. Direct maintenance personnel to the technical support sections on HySecurity's website at www.hysecurity.com.

NOTE: HySecurity reserves the right to change these specifications at any time, without notice and without prejudice. Call (800) 321-9947 if you are not sure that you have the latest edition.

CAUTION: Operators manufactured by HySecurity are intended for use in controlling vehicular traffic and are not intended to be used by pedestrians or to control pedestrian traffic. **Always install a separate pedestrian gate.**

LTR	DESCRIPTION	DATE	APPRV'D
B	ADDED BASE RISER / ADAPTER PER MARKETING REQUEST.	12/18/2018	RAW

SlideSmart HD GENERAL PAD MOUNT DIMENSIONS



NOTE: DRAWING IS NOT TO SCALE.



DOCUMENT TITLE
**SLIDSMART HD
INSTALLATION
SPECIFICATION**

DRAWN RAW	DATE 11/20/2017
CHECKED	DATE
APPROVED	DATE

DOCUMENT NUMBER:
D0841

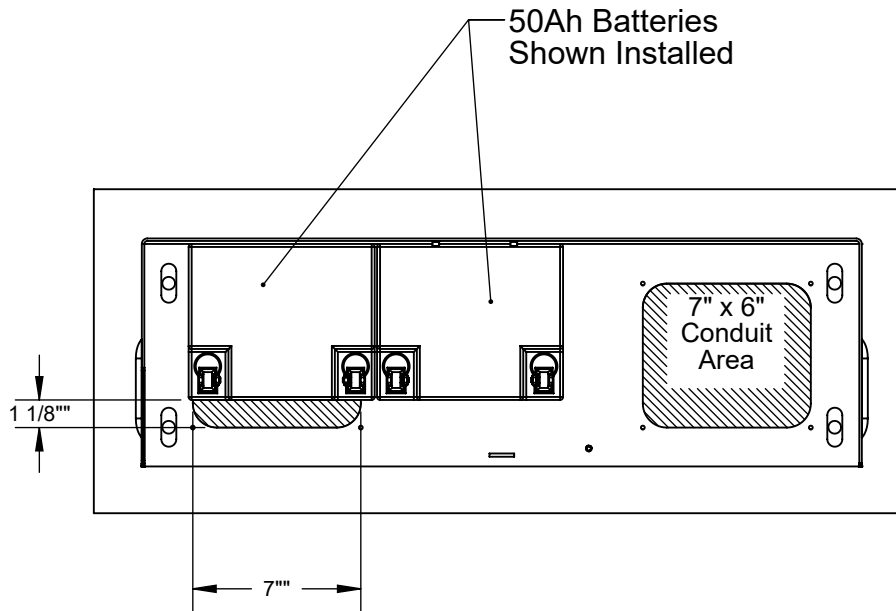
THIRD ANGLE PROJECTION

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SHT 1 OF 10

LTR	DESCRIPTION	DATE	APPRV'D
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Optional Larger Batteries Reduce Available Conduit Area

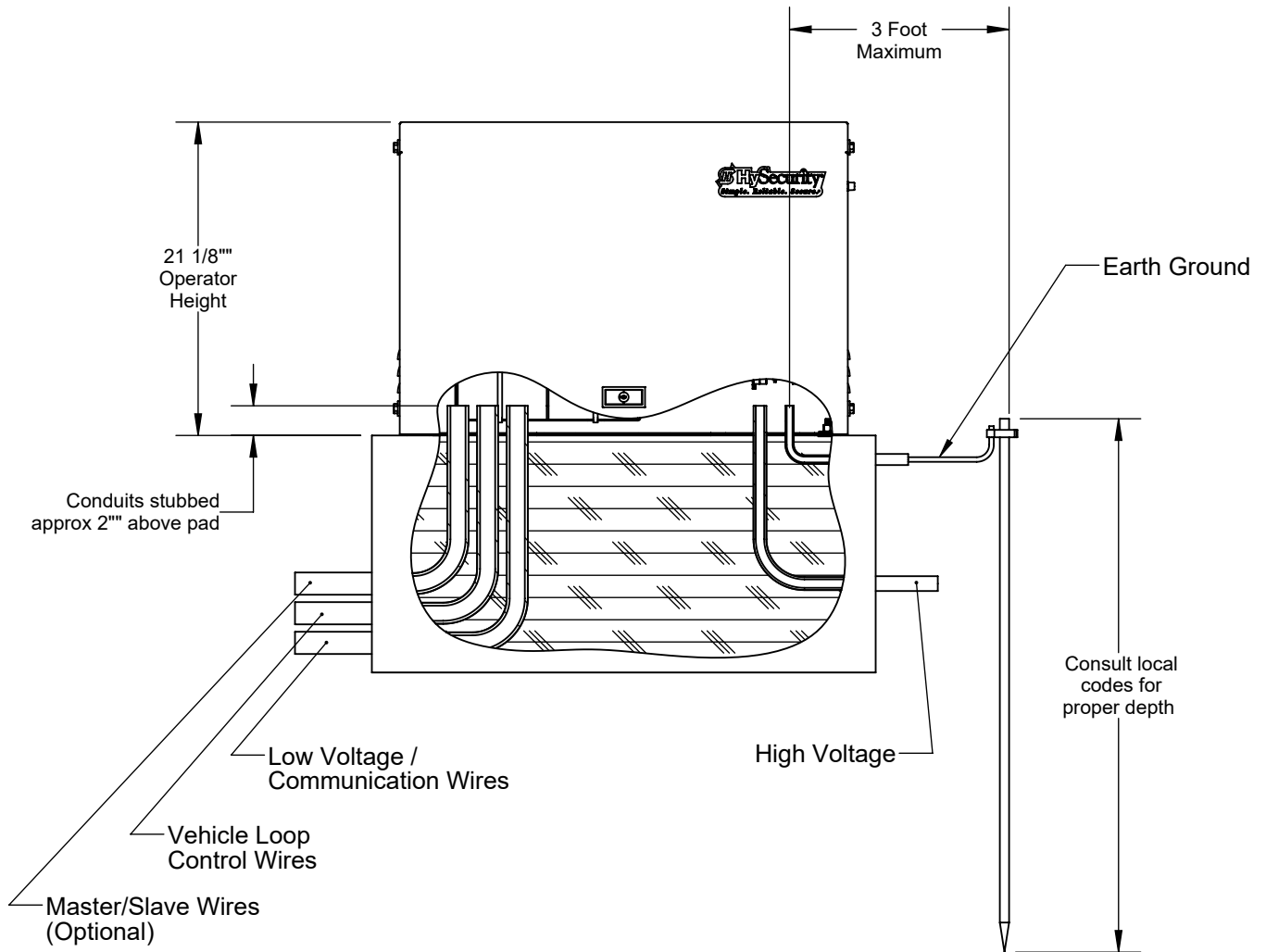
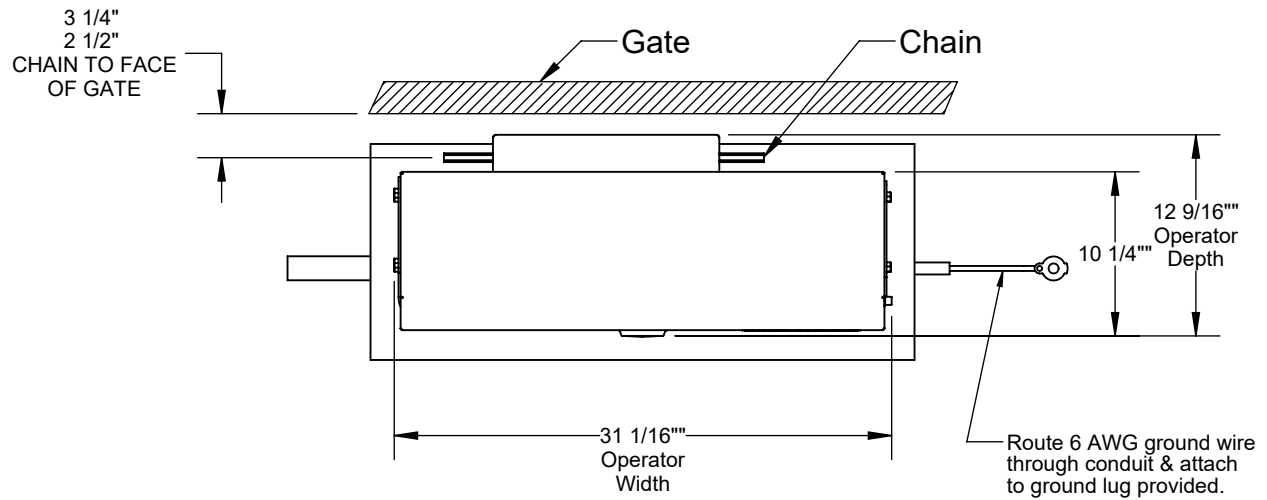


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 HySecurity Kent, Washington	DOCUMENT TITLE SLIDSMART HD INSTALLATION SPECIFICATION	DRAWN RAW	DATE 11/20/2017	DOCUMENT NUMBER: D0841	REV B
		CHECKED	DATE		
		APPROVED	DATE		SHT 2 OF 10

LTR	DESCRIPTION	DATE	APPRV'D
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SlideSmart HD SIZE, CONDUIT AND GROUNDING INFORMATION



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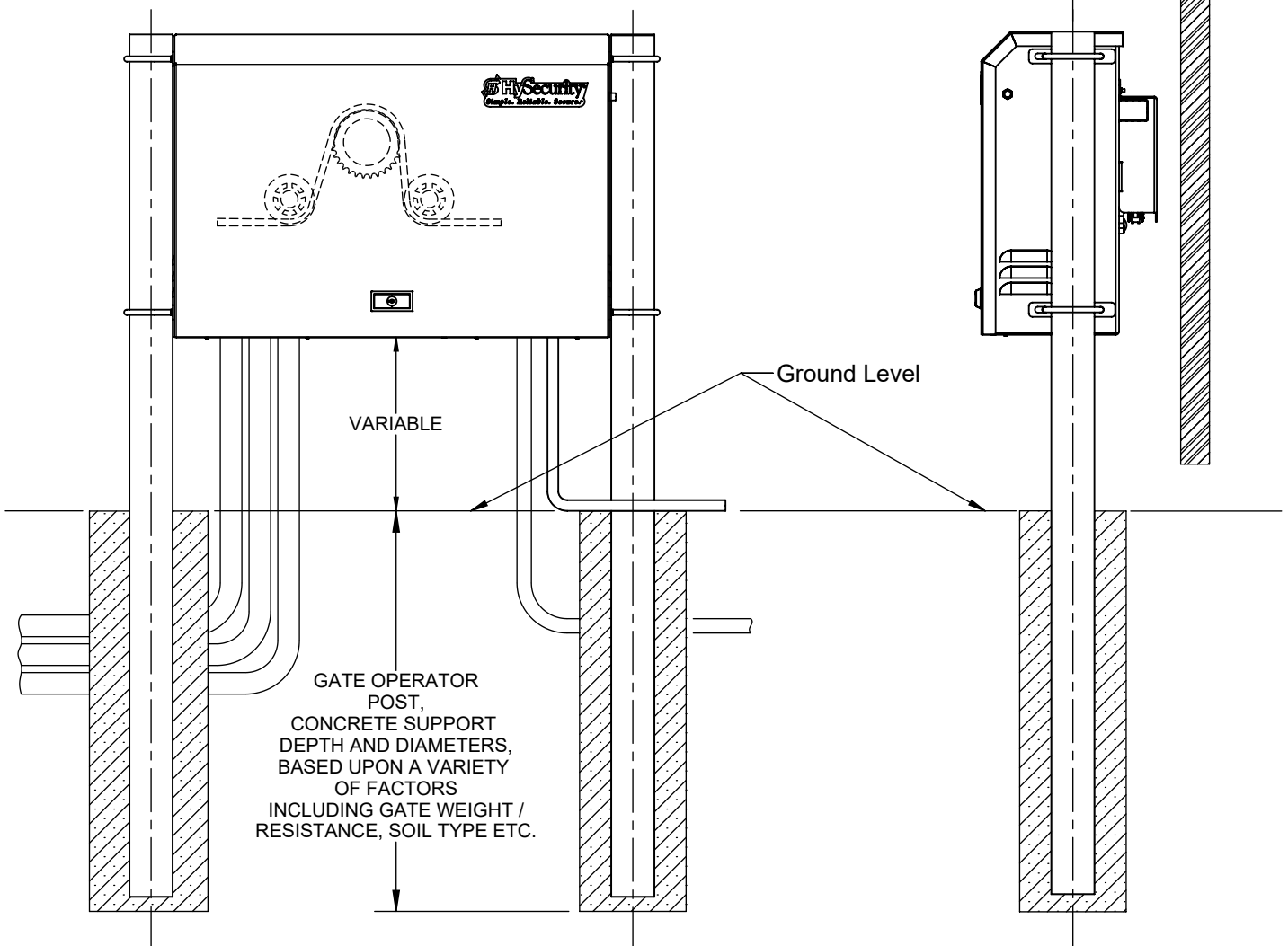
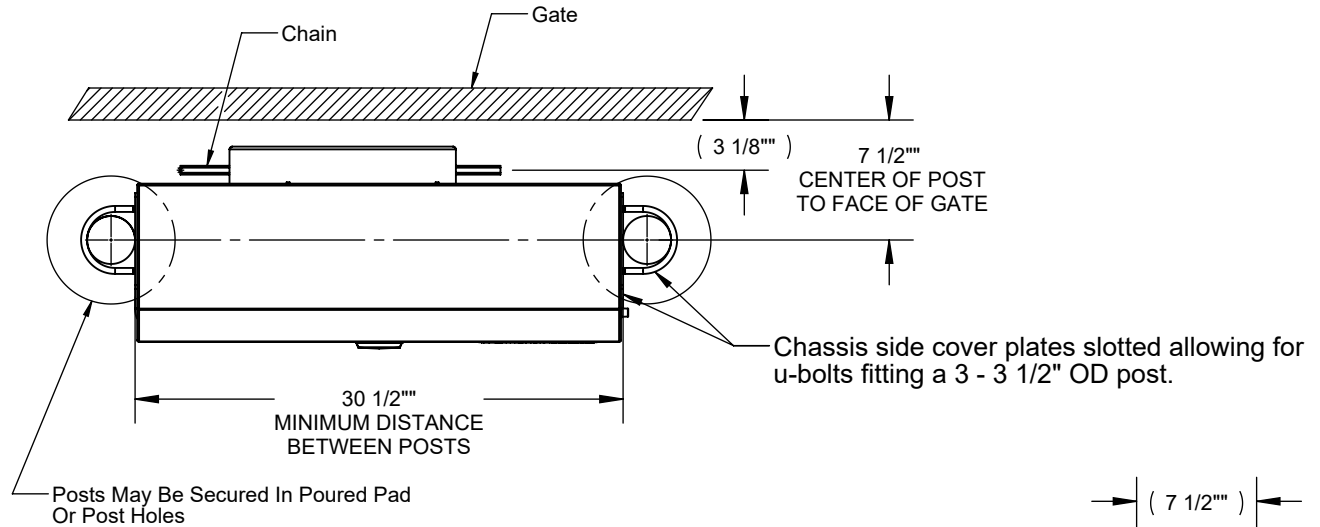
THIRD ANGLE PROJECTION

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SHT 3 OF 10

LTR	DESCRIPTION	DATE	APPR'D
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SLIDSMART HD: POST MOUNTED



NOTE: DRAWING IS NOT TO SCALE.



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SPECIFICATION**

DRAWN RAW	DATE 11/20/2017
CHECKED	DATE
APPROVED	DATE

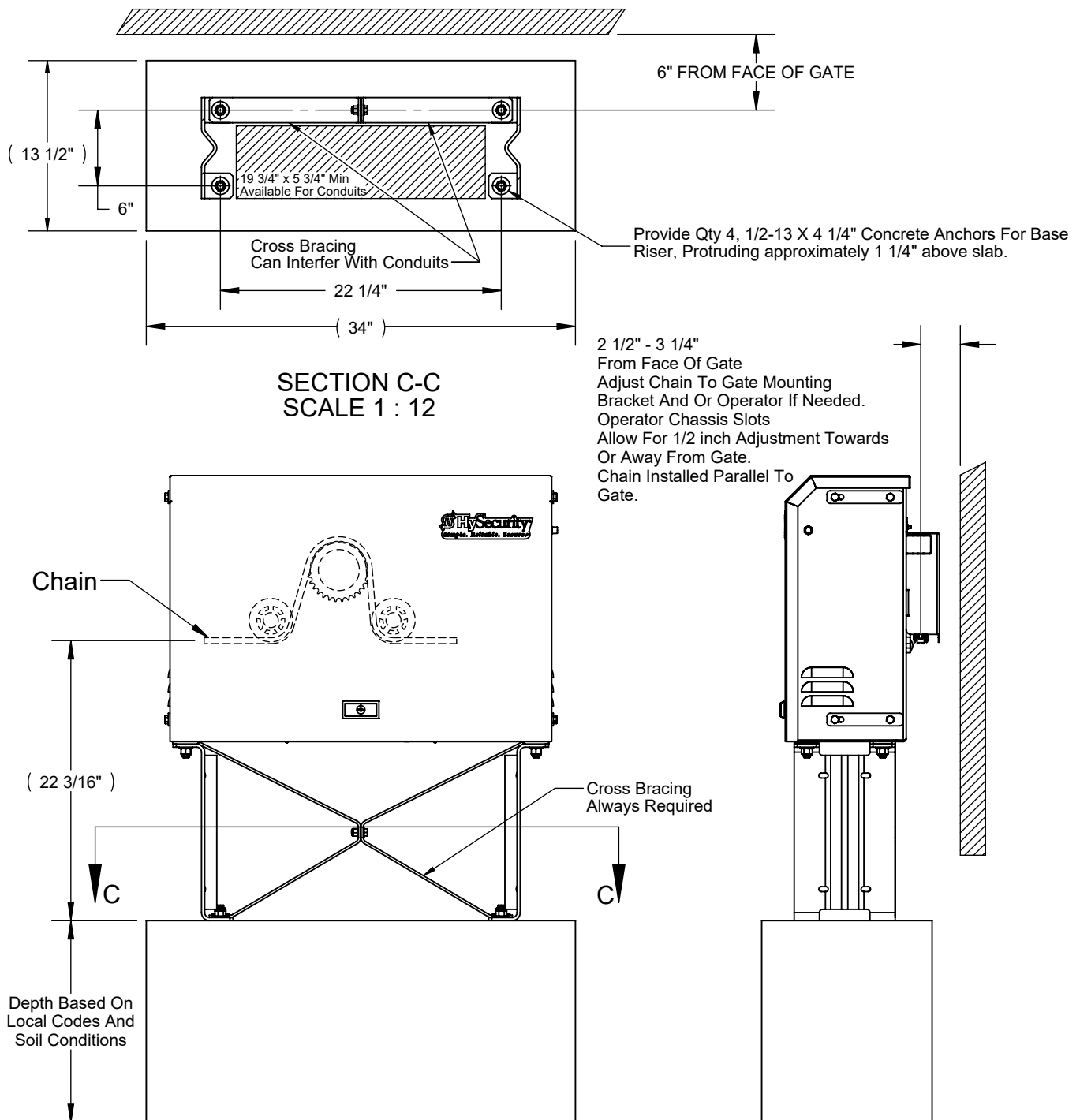
DOCUMENT NUMBER:
D0841

THIRD ANGLE PROJECTION

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B

SHT 4 OF 10

LTR	DESCRIPTION	DATE	APPRV'D
B	ADDED BASE RISER / ADAPTER PER MARKETING REQUEST.	12/18/2018	RAW



SLIDESMART HD: Base Extension And Retrofit Adapter **BASE RISER PAD MOUNTED**

NOTE: DRAWING IS NOT TO SCALE.



DOCUMENT TITLE
**SLIDESMART HD
 INSTALLATION
 SPECIFICATION**

DRAWN RAW	DATE 11/20/2017
CHECKED	DATE
APPROVED	DATE

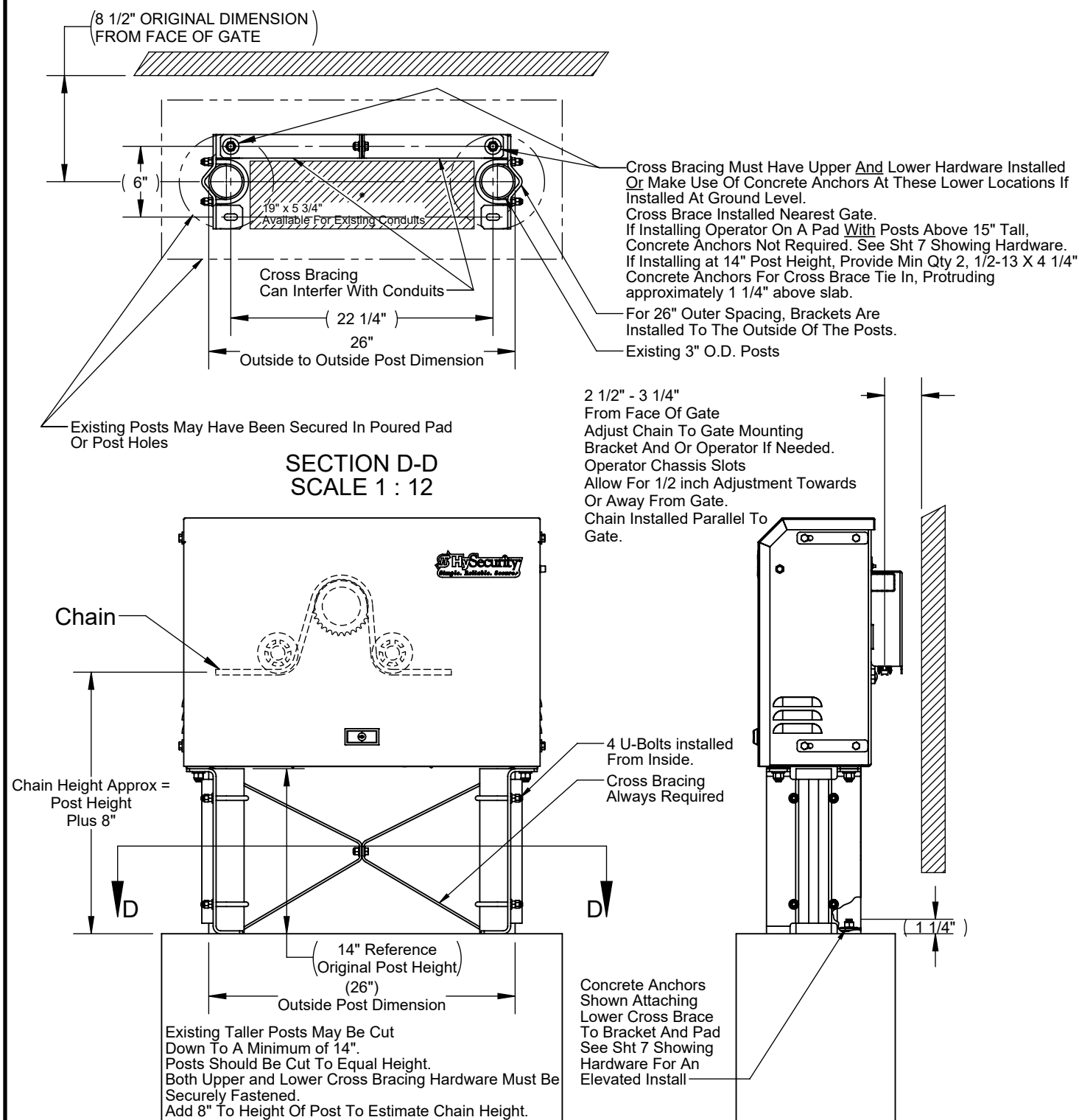
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THIRD ANGLE PROJECTION

REV
B

SHT 5 OF 10

LTR	DESCRIPTION	DATE	APPRV'D
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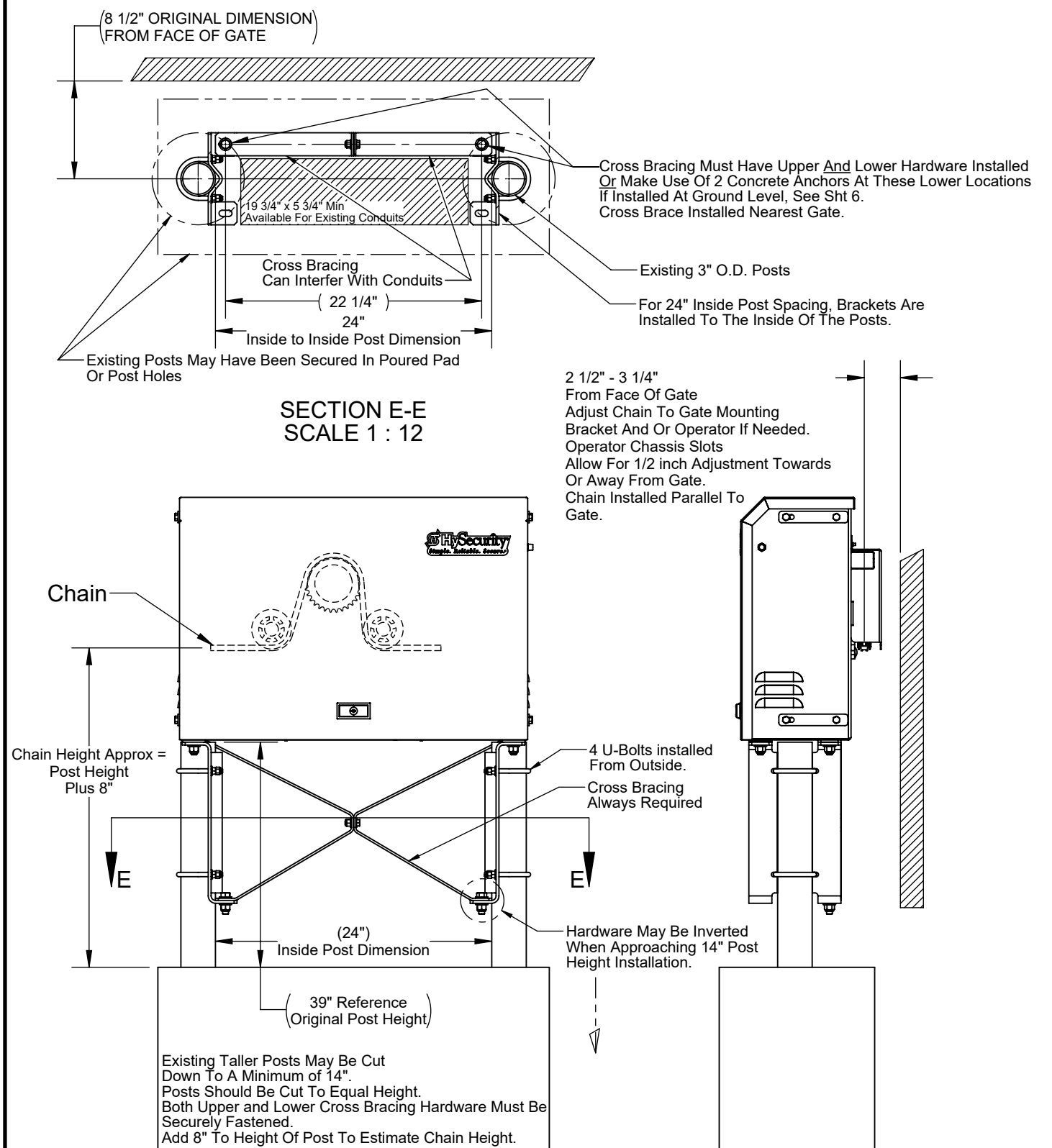


SLIDESMART HD: Base Extension And Retrofit Adapter
26" Outside To Outside Post Retrofit Installation - SL585

NOTE: DRAWING IS NOT TO SCALE.

 HySecurity Rest. Washington	DOCUMENT TITLE	SLIDSMART HD INSTALLATION SPECIFICATION	DRAWN	DATE	DOCUMENT NUMBER:	REV
			RAW	11/20/2017		
			CHECKED	DATE	D0841	B
			APPROVED	DATE		

LTR	DESCRIPTION	DATE	APPR'D
B	ADDED BASE RISER / ADAPTER PER MARKETING REQUEST.	12/18/2018	RAW



SLIDSMART HD: Base Extension And Retrofit Adapter 24" Inside To Inside Post Retrofit Installation - SL595

NOTE: DRAWING IS NOT TO SCALE.



DOCUMENT TITLE
**SLIDSMART HD
INSTALLATION
SPECIFICATION**

DRAWN RAW	DATE 11/20/2017
CHECKED	DATE
APPROVED	DATE

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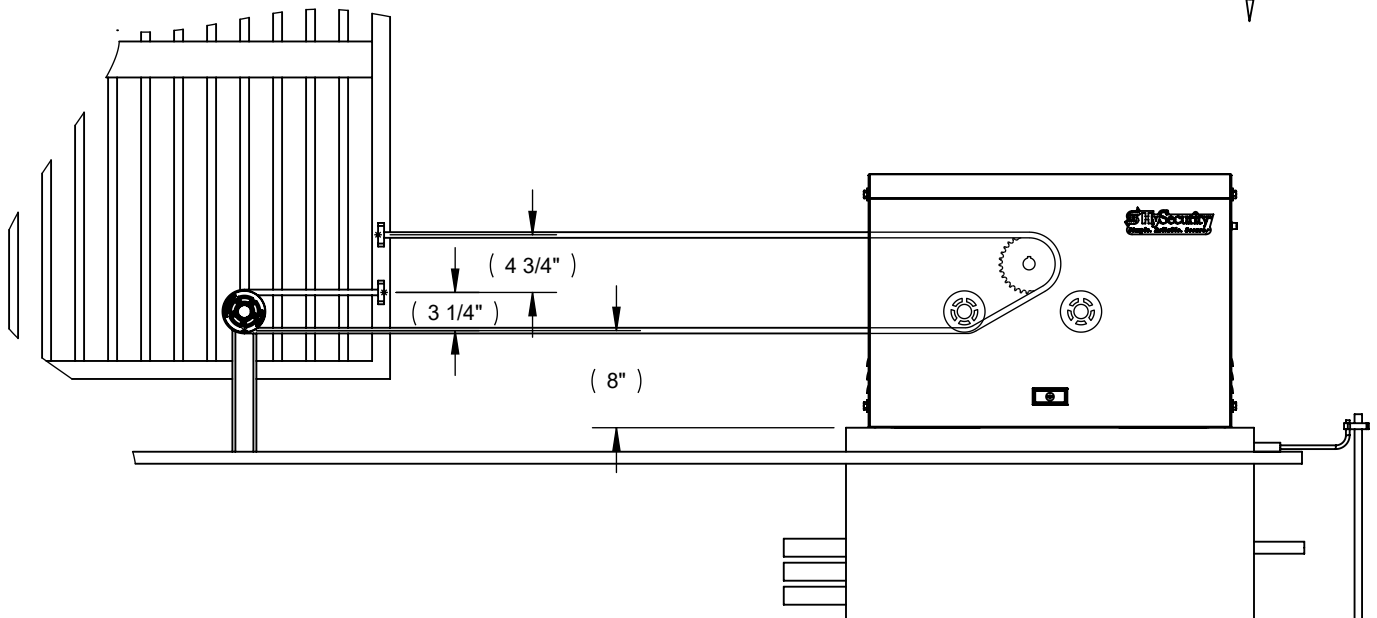
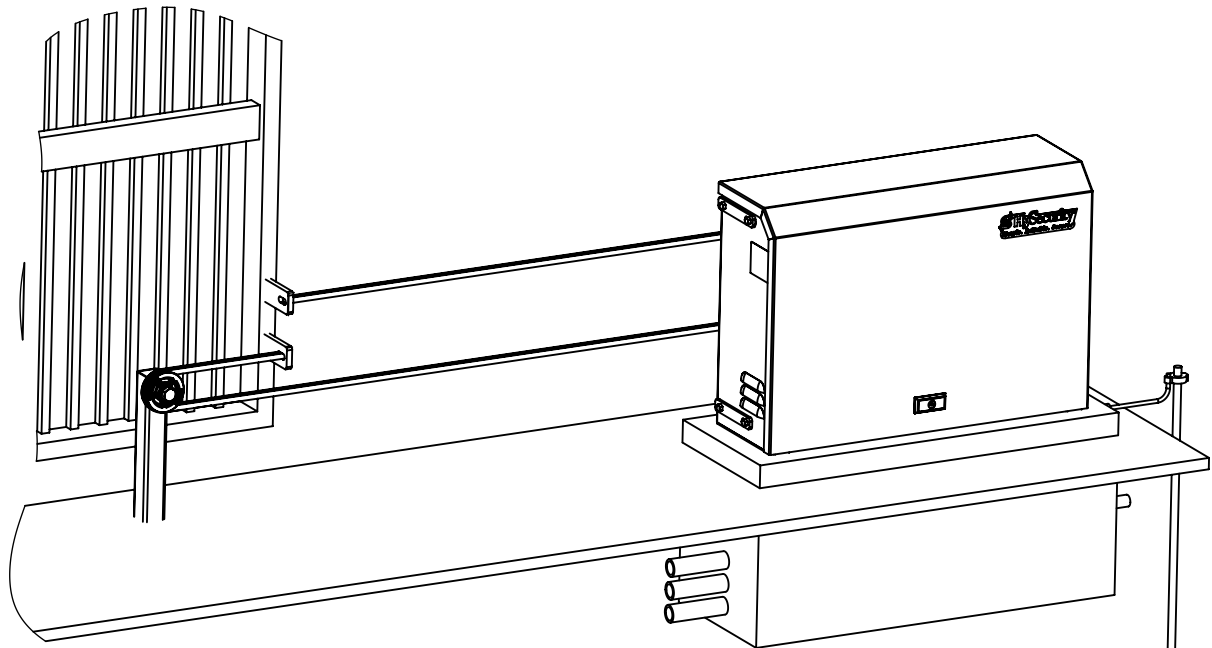
THIRD ANGLE PROJECTION

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SHT 7 OF 10

LTR	DESCRIPTION	DATE	APPRV'D
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SLIDESMART HD: REAR MOUNTED INSTALLATION



NOTE: DRAWING IS NOT TO SCALE.



DOCUMENT TITLE
**SLIDESMART HD
INSTALLATION
SPECIFICATION**

DRAWN RAW	DATE 11/20/2017
CHECKED	DATE
APPROVED	DATE

DOCUMENT NUMBER:
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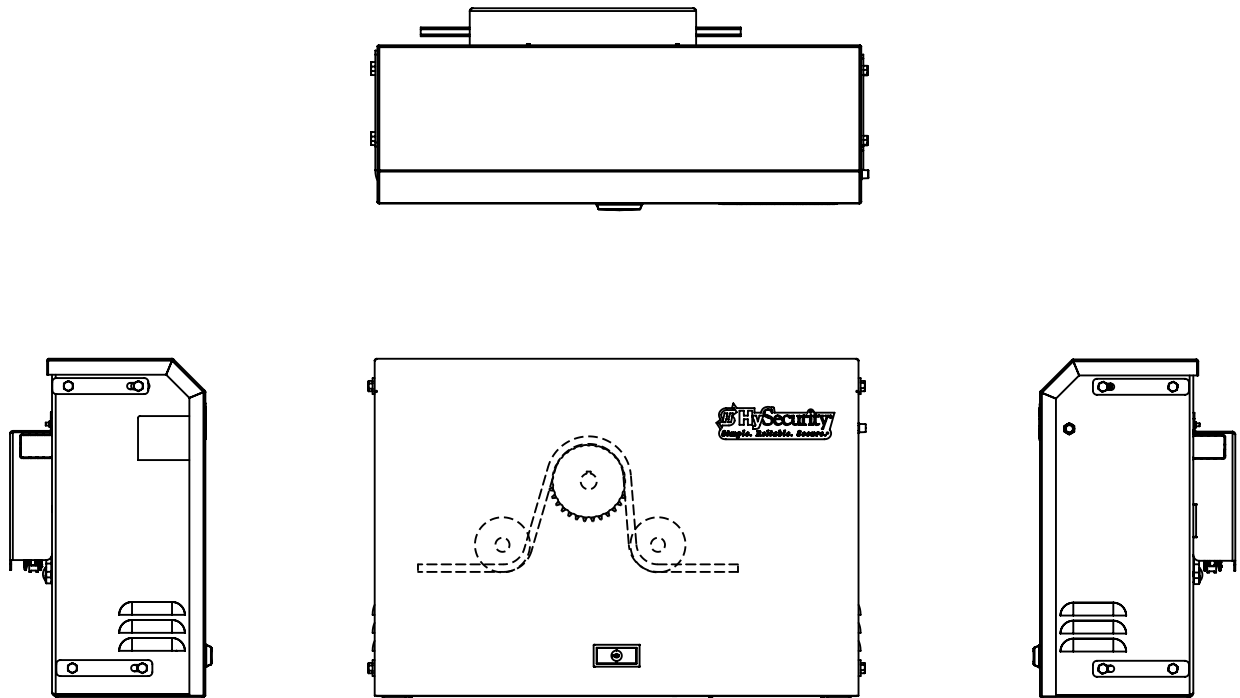
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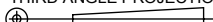
SHT 8 OF 10

LTR	DESCRIPTION	DATE	APPRV'D
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PLAN AND ELEVATION VIEWS - SlideSmart HD OPERATOR ONLY

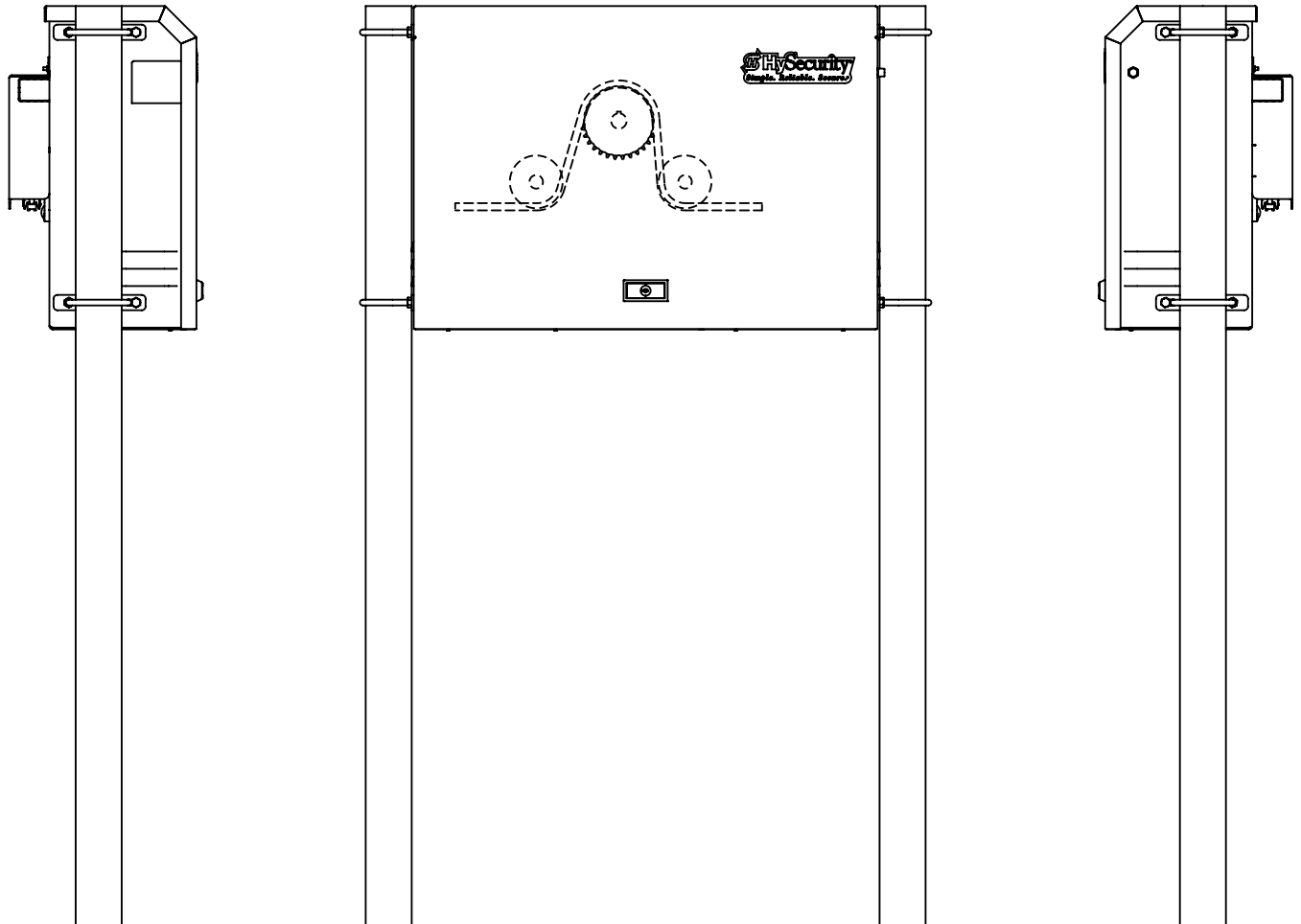
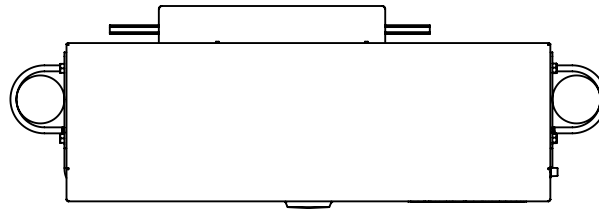


NOTE: DRAWING IS NOT TO SCALE.

	DOCUMENT TITLE SLIDSMART HD INSTALLATION SPECIFICATION	DRAWN RAW	DATE 11/20/2017	DOCUMENT NUMBER: D0841	REV B	
		CHECKED	DATE		THIRD ANGLE PROJECTION 	SHT 9 OF 10
		APPROVED	DATE			

LTR	DESCRIPTION	DATE	APPRV'D
B	ADDED BASE RISER / ADAPTER PER MARKETING REQUEST.	12/18/2018	RAW

PLAN AND ELEVATION VIEWS - OPERATOR POST MOUNTED



SlideSmart HD Operator - 3" to 3 1/2" Post Mounted

NOTE: DRAWING IS NOT TO SCALE.



DOCUMENT TITLE
**SLIDESMART HD
INSTALLATION
SPECIFICATION**

DRAWN RAW	DATE 11/20/2017
CHECKED	DATE
APPROVED	DATE

DOCUMENT NUMBER:
D0841

THIRD ANGLE PROJECTION

REV
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SHT 10 OF 10

RE: 500,000 Cycle Testing, SlideSmart DC Gate Operators

To Whom It May Concern:

This letter will serve as our affidavit of conformance to specifications that call for testing the gate operator mechanism to at least 500,000 cycles without breakdown.

We have performed reliability tests on our SlideSmart DC series slide gate operators, to more than 500,000 cycles of operation, and were not able to detect any defects or breakdowns in any component of the operator mechanism.

All of these tests were performed at our test facility and factory in Kent, Washington, USA. The test consists of operating a full size gate, 18 feet in length and weighing approximately 1,000 pounds. A cycle consists of a full opening and a full closing. The operators used in the test were all equipped with timers that simulated continuous duty through a 24 hour day.

Respectfully,



Brian DeNault
CEO

WARRANTY

1. Warranty.

Hy-Security Gate, Inc. ("HySecurity") warrants that at the time of sale each of its products will, in all material respects, conform to its then applicable specification and will be free from defects in material and manufacture.

The following additional durational warranties apply to HySecurity products, depending on whether (1) the product is purchased through an authorized HySecurity distributor and (2) whether a timely and complete product registration is submitted to HySecurity.

It is therefore important that you register your product with HySecurity, online at www.hysecurity.com/warranty, within the 60-day period described below.

1(a) HySecurity Products Purchased Through Authorized Distributors and Properly Registered

For any gate operator product that is purchased from an authorized HySecurity distributor (this excludes product purchased through internet resellers or any distributor not authorized by HySecurity), if the product registration is completed by the Dealer/Installer/End User within 60 days of the date of purchase, the following warranty terms will apply. HySecurity warrants that the product will remain serviceable for the following periods:

- Hydraulic industrial gate operators hydraulics, controls, and mechanical components: Five Years or 500,000 gate cycles (whichever occurs first) after the date of installation,
- Hydraulic wedge operator hydraulics and controls: Five Years or 500,000 cycles (whichever occurs first) after the date of installation. Wedge mechanical components: Two Years after the date of installation,
- Electromechanical Slide and Swing operators: Five Years or 500,000 cycles (whichever occurs first) after the date of installation, except single family residential usage, where the warranty term shall be Seven Years after the date the product was shipped from HySecurity,
- Electromechanical surface mount wedge operator electronics: Two Years or 500,000 gate cycles (whichever occurs first), after the date of installation,
- Electromechanical Barrier Arm Operators: Two years or 1,000,000 gate cycles (whichever occurs first) after the date of installation,

provided that the preceding Five Year warranty period in (a), (b) and (c) will not extend beyond seven years from the date that the product was shipped from HySecurity, and the Two Year warranty period in (b), (d) and (e) will not extend beyond four years from the date that the product was shipped from HySecurity.

The preceding warranty durations do not apply to the products or components described below (f-i), which have a shorter warranty period.

- Hydraulic gate operator drive wheels including XtremeDrive™ wheels and rack: Two Years from date of installation.
- AC and DC power supplies, chargers and inverters and HyNet™ Gateway: Two Years from date of installation, except batteries.
- Batteries: One Year from date of shipment from HySecurity.
- Components subject to normal wear including, but not limited to, chains, belts, idler wheels, sprockets and fuses: One Year from date of installation.

1(b) HySecurity Products Not Purchased Through an Authorized Distributor or Not Properly Registered within 60 Days

For any product that is not purchased from an authorized HySecurity distributor or for which the product registration was not completed by the Dealer/Installer/End User within 60 days of the date of purchase, the following **One-Year Limited Warranty** will apply: HySecurity warrants that the product will remain serviceable for the following periods, which begin on the date that the product was shipped from HySecurity:

- All gate operators: One Year or 100,000 gate cycles whichever comes first.
- AC and DC power supplies, chargers or inverters: One Year.
- HyNet™ Gateway: One Year.
- Hydraulic gate operator drive wheels: One Year.

1(c) Replacement Parts

HySecurity warrants that replacement parts (whether new or reconditioned) will remain serviceable for One Year from the date that the product was shipped from HySecurity or the remaining period of the Gate Operator warranty, whichever is longer.

1(d) Limitations and Exclusions Applicable to Each of the Preceding Warranties

The preceding warranties shall not apply to equipment that has been (1) installed, maintained, or used improperly or contrary to instructions; (2) subjected to negligence, accident, vandalism, or damaged by severe weather,

wind, flood, fire, terrorism or war; or (3) damaged through improper operation, maintenance, storage or abnormal or extraordinary use or abuse. Any modification made to products will void the warranty unless the modifications are approved in writing by HySecurity in advance of the change (this exclusion does not apply to normal installation of approved accessories and/or protective devices or sensors). It is the responsibility of the distributor, installer, or End User to ensure that the software version in the product is maintained to the latest revision level.

The preceding warranties do not extend to accessories when those items carry another manufacturer's name plate and they are not a part of the base model. HySecurity disclaims all warranties for such accessory components, which carry only the original warranty, if any, of their original manufacturer. HySecurity hereby assigns its rights under such manufacturer warranties—to the extent that such rights are assignable—to Buyer.

These warranties extend to HySecurity's Distributors, to the Dealer/Installer, and to the first End User of the product following installation. They do not extend to subsequent purchasers.

2. Exclusion of Other Warranties.

The warranties contained in Section 1 are the exclusive warranties given by HySecurity and supersede any prior, contrary or additional representations, whether oral or written. Any prior or extrinsic representations or agreements are discharged or nullified. HYSECURITY HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES—WHETHER EXPRESS, IMPLIED, OR STATUTORY—INCLUDING ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ANY LIABILITY, FOR INFRINGEMENT, AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE OF TRADE.

3. Buyer's Exclusive Remedies for Any Nonconformity.

If a HySecurity product fails to conform to the warranties in Section 1, Buyer must notify and order replacement parts from the Distributor through which the product was purchased within a reasonable time and in no event more than thirty (30) days after the discovery of the nonconformity. HySecurity will investigate and, in the event of a breach, will provide, within a reasonable period of time, one of the following: (1) repair or replacement of any nonconforming products or components or (2) refund of the price upon return of the nonconforming items. HySecurity reserves the right to supply used or reconditioned material for all warranty claims. HySecurity will not be considered to be in breach of or default under this Warranty because of any failure to perform due to conditions beyond its reasonable control, including any force majeure. This warranty does not cover any incidental expenses, including fines or penalties, temporary security, labor, shipping, travel time or standby time that are incurred for inspection or replacement of any nonconforming items. As a condition of warranty coverage, warranty claims must be submitted in accordance with the procedures described on the HySecurity form, "RMA Procedures."

THE REMEDY SELECTED BY HYSECURITY IN ACCORDANCE WITH THIS PARAGRAPH SHALL BE THE **EXCLUSIVE AND SOLE REMEDY OF BUYER FOR ANY BREACH OF WARRANTY.**

4. Exclusion of Consequential and Incidental Damages.

HYSECURITY SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT OR FROM HYSECURITY'S OWN NEGLIGENCE. This exclusion applies regardless of whether such damages are sought for breach of warranty, breach of contract, negligence, or strict liability. This exclusion does not apply to claims for bodily injury or death.

5. Severability.

If any provision of this warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect.

6. Proprietary Rights.

HySecurity retains and reserves all right, title, and interest in the intellectual property rights of its products, including any accompanying proprietary software. No ownership of any intellectual property rights in the products or accompanying software is transferred to Distributor, Dealer/Installer or End User.

7. Applicable Law.

This warranty will be interpreted, construed, and enforced in all respects in accordance with the laws of the State of Washington, without reference to its choice of law principles. The U.N. Convention on Contracts for the International Sale of Goods will not apply to this warranty.