

StrongArm™ M30/50

Ultimate hardened
security

Umatched user safety



Ultimate Hardened Security

Crash Tested Barriers



Powerful:

Move gates up to 20,000 lb



Tough:

Secure steel chassis and
tamper resistant cover



Reliable:

UPS models remain functional
during a power outage



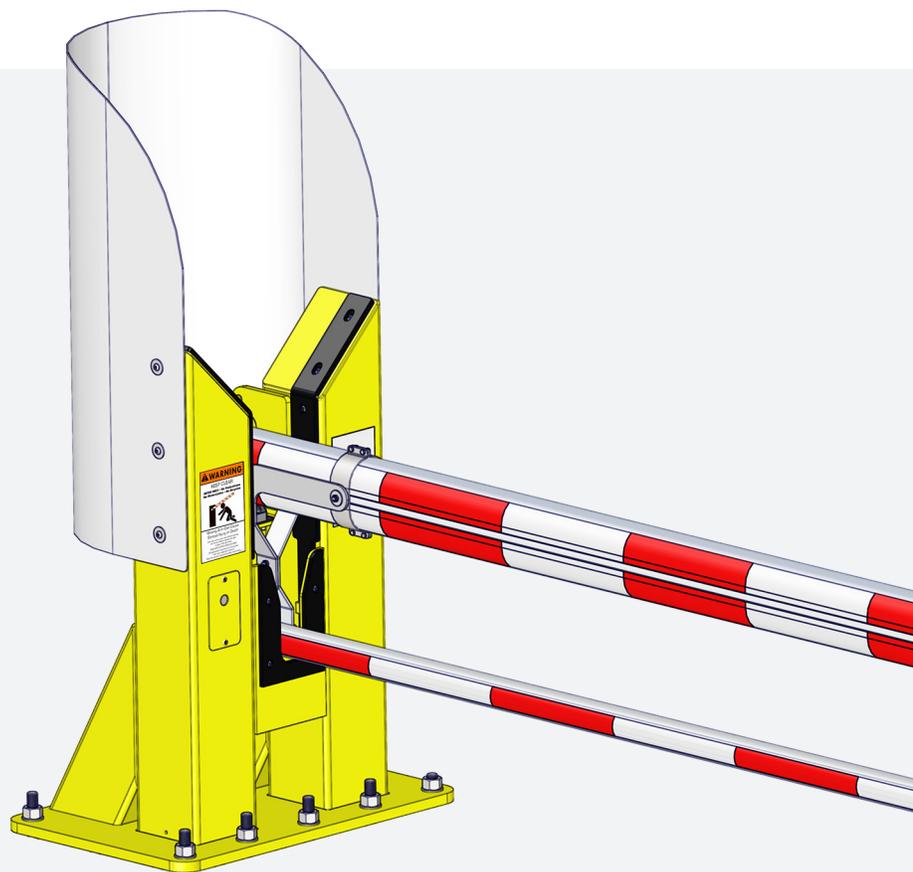
Programmable:

Configurable for specific site
requirements



Connected:

Remote monitoring,
management, and
maintenance.



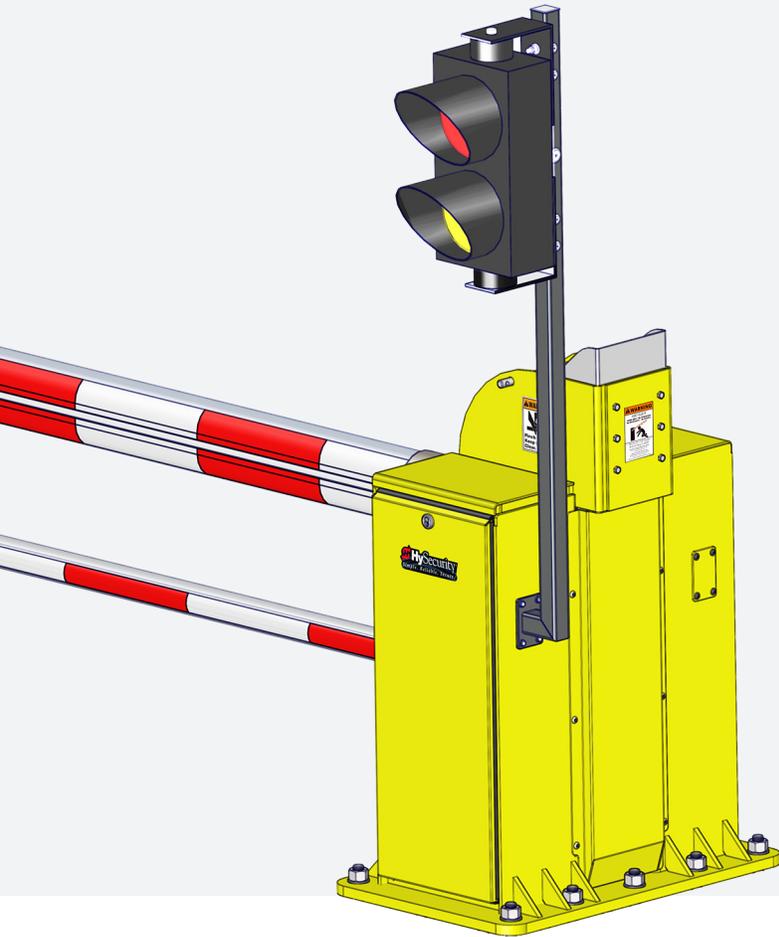
M50 with standard galvanized finish



M50 with custom color



Expect More

**Fast:**

1 - 3 ft/s operating speed.
Emergency Fast Operate at 3 ft/s

**Smart:**

Integrated primary/secondary controls and preprogrammed relay settings

**All weather performance:**

Wide temperature range without heater

**Durable:**

Decades long life and low maintenance

**Made in USA:**

Designed, tested and built with global materials

StrongArm M30/M50

6 models

Clear Opening 12 to 24 ft (3.6 to 7.3 m)

Open/Close Time 6 to 8 seconds

Emergency Fast Close 5 to 7 seconds



M30 with standard galvanized finish



M30 NP (no power)

Specifications

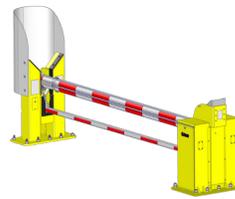
Crucial User Safety and Security



StrongArm M30
6 to 8 seconds Open/Close time
12 to 24 ft clear opening



StrongArm M50
6 to 8 seconds Open/Close time
12 to 24 ft clear opening



StrongArm M30 NP
60 to 120 seconds Open time
15 to 25 seconds Close time
12 to 24 ft clear opening



StrongArm M50 NP
60 to 120 seconds Open time
15 to 25 seconds Close time
12 to 24 ft clear opening

Technical Specifications

Model	StrongArmCrash M30	StrongArmCrash M30 CE	StrongArmCrash M50	StrongArmCrash M50 CE	StrongArmCrash M30 NP	StrongArmCrash M50 NP
Crash Certified	ASTM F2656-07 M30-P1*	ASTM F2656-07 M30-P1*	ASTM F2656-07 M50-P2*		ASTM F2656-07 M30-P1*	ASTM F2656-07 M50-P2*
Full Open Angle	90°				Adjustable 88° ± 2°	
Duty Cycle	100 cycles/hr**				Manually operated with rotary crank	
Horsepower	2 hp				n/a	
Drive	Hydraulic					
Open/Close Time	6 to 8 seconds depending on arm length				Open time: approx. 1 to 3 minutes depending on arm length; Close time: approx. 15 to 25 seconds depending on arm length	
Emergency Fast Operate	5 to 7 seconds depending on arm length					
Clear Opening	12 to 24 ft in 2 ft increments (366 to 732 cm in 61 cm increments). Call for custom arm length.					
UPS Battery Backup Cycles	Optional 230VAC Power Supply w/HyInverter™ AC for single-phase AC operators				n/a	
Temperature Rating	-40° to 158° F (-40° to 70° C) or -10° to 158° F (-23° to 70° C) Using biodegradeable fluid.					
Single Phase Voltages	208/230V 50/60Hz				n/a	
Three Phase Voltages	208/230V 50/60Hz or 380/460V 50/60Hz				n/a	
Included Accessories	Operator ships with one traffic light and wired through beam photo eye					
Communication	RS-232, RS-485				n/a	
User Controls	Smart Touch Controller with 70+ configurable settings. Smart Touch keypad and 32 character, OLED display or a PC using S.T.A.R.T. software.				n/a	
Relays	Two configurable user relays: 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs				n/a	
Finish	Hot dipped galvanized standard. Optional textured powder coat over zinc-based undercoat.					
Foundation	Shallow mount: 6 x 6 x 2 ft (183 x 183 x 61 cm), 4,000 psi concrete or (CO + 8 ft) x 6 x 1 ft ((CO +244 cm) x 183 x 30.5 cm), 5,000 psi concrete. Deep mount: 4 x 4 x 4**** ft (122 x 122 x 122 cm) 4,000 psi concrete. #6 rebar, grade 60	6 x 6 x 4 ft (183 x 183 x 122 cm) 4,000 psi concrete, #6 rebar, grade 60		Shallow mount: 6 x 6 x 2 ft (183 x 183 x 61 cm), 4,000 psi concrete or (CO + 8 ft) x 6 x 1 ft ((CO +244 cm) x 183 x 30.5 cm), 5,000 psi concrete. Deep mount: 4 x 4 x 4 ft (122 x 122 x 122 cm) 4,000 psi concrete. #5 rebar, grade 60	6 x 6 x 4 ft (183 x 183 x 122 cm) 4,000 psi concrete, #6 rebar, grade 60	
ETL Listed	Certified to UL 508A by ETL				n/a	
Warranty	5 year w/product registration					

* P1 and P2 rated for 12 ft clear opening. StrongArm M30 features an ASTM F2656-07 M30 P1 rating (<1m penetration). StrongArm M50 features an ASTM F2656-07 M50 P2 rating (1.2m penetration). Contact HySecurity to receive a copy of the ASTM F2656-07 M30 or M50 Test Certification.

** ExtremeCycle option available.

*** 208/230VAC, single-phase AC operators only. See AC Power Supply with HyInverter AC for more information.

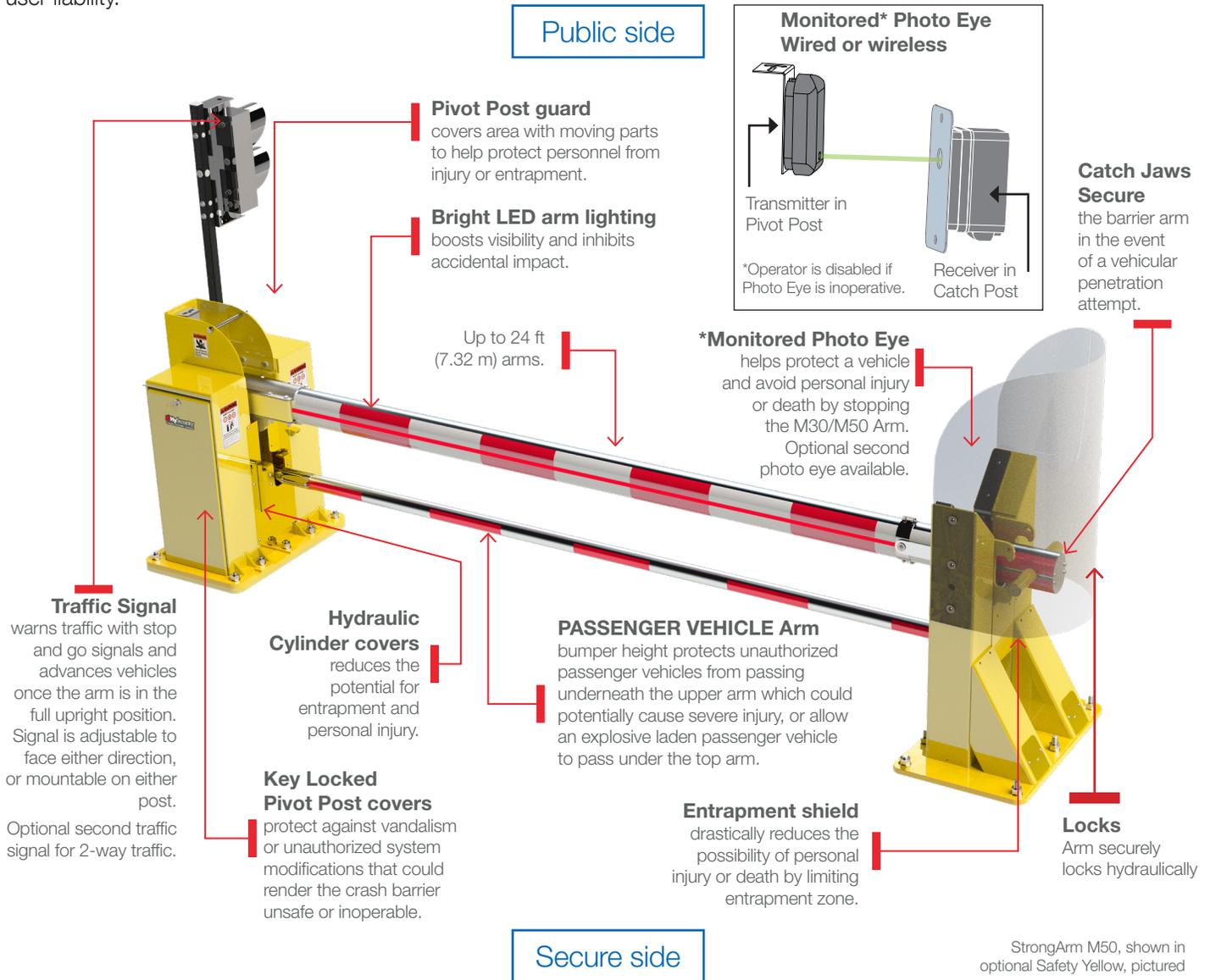
Only HySecurity authorized distributors and installers, trained or authorized by HySecurity in proper installation techniques, operation and maintenance, are eligible to purchase HySecurity crash-rated barrier products. Patented dual arm design U.S. Pat. No. 9,822,501 B2.

**** 4 x 4 x 4 foundation is crashed engineered.



User Safety is not optional

Many user safety devices are standard equipment on the StrongArm M30 and M50, reducing possibility of injury and end user liability.



Additional Safety Features

Buzzer

Standard equipment in all HySecurity products, the WARN BEFORE BUZZER provides a loud 100dB audible beep in short continuous bursts 3 seconds prior to the barrier moving open or close and all the while the barrier arm is in motion.

Hy5B

Using Hy5B vehicle detectors eliminates the possibility of loop crosstalk since each loop is assigned its own frequency range. False close signals due to crosstalk are never an issue.

Additional Security Features

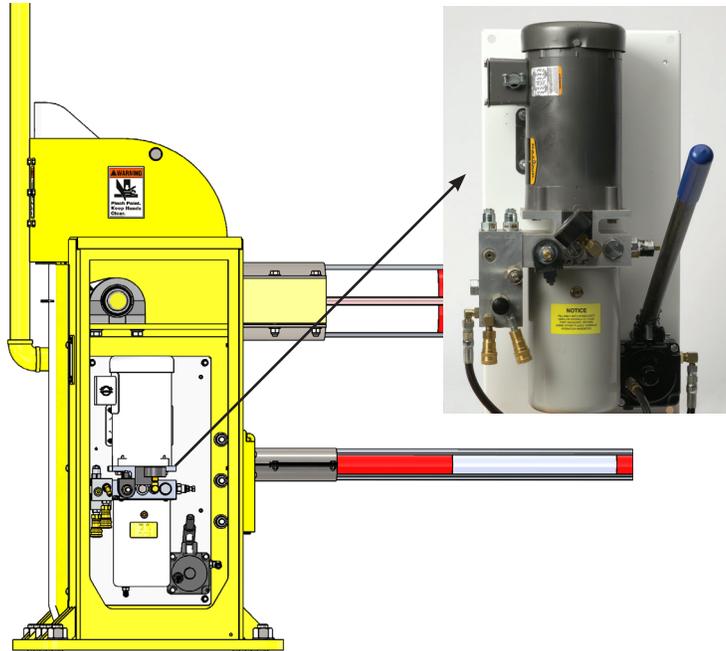
- No External Limit Switches or resetting the limits after power loss. The hydraulic cylinder incorporates magnetic sensors, alleviating the need for vulnerable external limit switches or recalibration.
- Remote Operator Panel operates the crash barrier from a secure location keeping area personnel out of harm's way.
- Mag Lock option available.
- UPS Backup Optional 230V AC Power Supply with HyInverter™ AC provides UPS battery backup for 208/230VAC, single-phase AC gate operators. Retain full functionality during an AC power outage.

Ultra Reliable

Simple, low cost installation

Proven Highest Reliability Drive

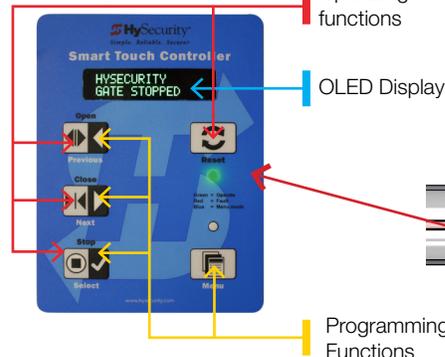
- HySecurity operators thrive for decades with minimal maintenance. We've manufactured hydraulic industrial and crash gate operators since 1980, many of which secure high security ACPs.
- Variable flow hydraulic system generates optimized barrier arm motion, enabling high speed, ultra smooth operation which prevents bounce or excessive wear on components.
- Double acting hydraulic system opens barrier arm to full 90° vertical and allows hydraulic locking in closed position which eliminates the need for external locking devices.
- Simple, compact hydraulic system contains only one gallon of high performance hydraulic fluid. Biodegradable fluid available upon request.
- Extreme temperature range: -40° to 158° F (-40° to 70° C) or -10° to 158° F (-23° to 70° C) using biodegradable fluid.



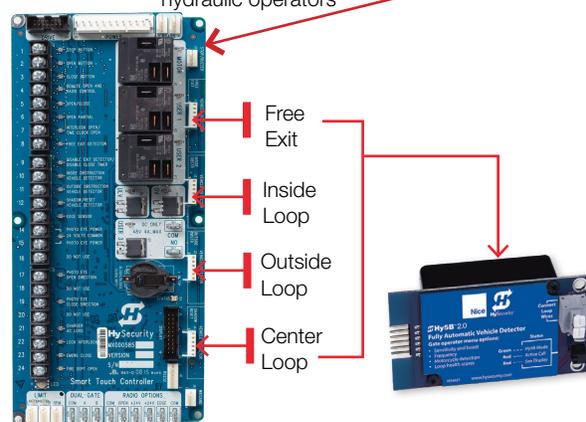
Proven Integrated, Intelligent Controls

- As the most reliable microprocessor-based control board in the industry, the **Smart Touch Controller** supplies extensive features, plus RS-485 command and control interfacing for networking systems.
- **Smart Touch Control** gives you seamless synchronization with all HySecurity operators for dual gate, sally port or sequenced gate applications.
- **Over 10 years of proven field reliability** communicating alerts, status, faults, and security breach conditions.
- Smart Touch Controller and keypad are conveniently and securely mounted **inside the operator**.
- **Integrated encoder provides precise arm positioning** and enables precise motion control eliminating the vulnerability of exposed mechanical limit switches.
- **Connect to a laptop** using HySecurity's Smart Touch Analyze and Retrieve Tool (S.T.A.R.T.) computer interface to upload the latest operator software, download fault logs, generate diagnostics, and program the operator.
- **Communications protocol** smooths out power spikes and reduces field calls.

STC Keypad



STC Board

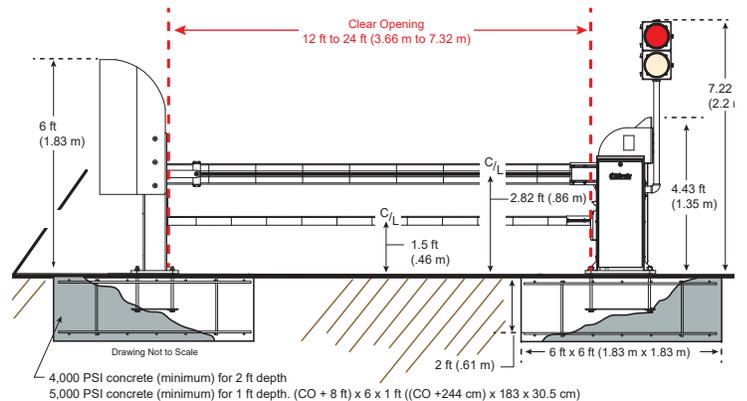


Hy5B Vehicle Detectors (up to 4) plug into sockets



Simple, Low Cost Installation

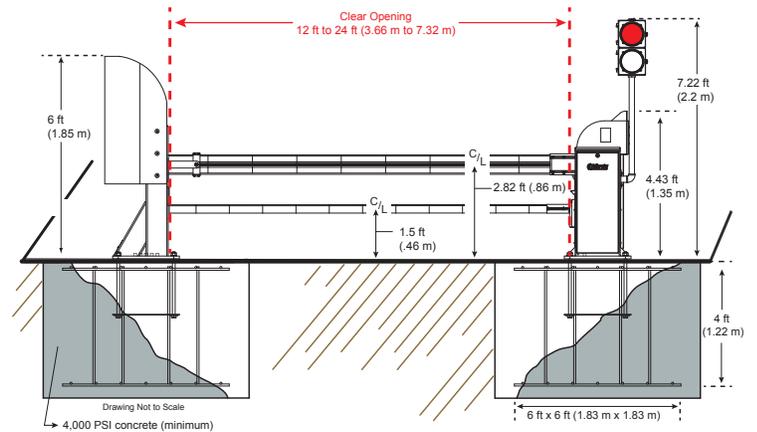
- **Plate mount design** allows foundation construction independent of equipment installation.
- **Self contained controls and hydraulics** reduce the need for expensive and time consuming trenching of hydraulic hose and wiring to a remote control panel.
- **Ultra rugged hot dipped galvanized steel for optimal corrosion protection.** Available option: Hot dipped galvanized standard. Optional signal yellow or custom color.
- **Shallow M30 mount 12 or 24 inch foundation depth** reduces installation time and worries about utilities, water table, and other site concerns.



StrongArm M30 operator, barrier arm, and foundation dimensions

Standard benefits

- Ultra reliable hydraulics and controls
- Extremely low maintenance
- Dual arm design
- Highly visible LED lighting across entire length of upper arm
- Traffic signal
- Supervised photo eye
- Emergency Fast Close
- Hand pump for manual operation
- Integrated encoder provides precise arm positioning
- NEMA 3R all weather enclosure with superior hot dipped galvanized anti-corrosion finish
- Arm securely locks hydraulically
- Wide temperature range fluid standard. No heater necessary

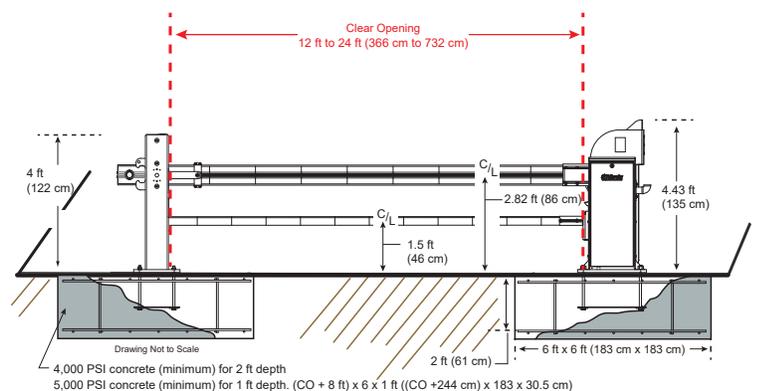


StrongArm M50 operator, barrier arm, and foundation dimensions

Optional Benefits

- Hy5B™ vehicle detectors (plug-in)
- Biodegradable, non-toxic fluid
- Heater, recommended for biodegradable, non-toxic fluid in cold climates
- Main and remote operator panels
- Mag lock for additional security
- Custom color paint
- Up to four traffic signals for bi-directional traffic
- Uninterruptible Power Supply (UPS) for many cycles after AC power loss*

*Single-phase AC gate operator



StrongArm M30 NP (Manual Operation) operator, barrier arm, and foundation dimensions

System Design Support:

Contact Nice/HySecurity for help with custom site requirements, CAD drawings, tech manuals or other specifications support.



Casino



Dam



Airport



DFW

HySecurity
 a Nice company
support.hysecurity.com

Nice/HySecurity is an industry leader of automated gate and perimeter security solutions.
 The HySecurity brand provides high-quality, ultra-reliable industrial gate operators and crash-rated, Hostile Vehicle Mitigation (HVM) vehicle barriers designed to secure and protect critical infrastructure and facilities worldwide.



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