



AutoGate

YOUR SOURCE FOR DESIGN AND ACCESS CONTROL



The Vertical Pivot Lift (VPL) is a unique **STAND ALONE** gate system. VPL gates are carefully designed to give years of safe and reliable operation. Standard Gate lengths and heights up to 20' in steel and 24' in aluminum 5-8'tall *



(* consult factory for over-sized gate restrictions)



Slide



Swing



Barrier Arms

COMPLETE GATE ENTRY SYSTEM SOLUTIONS *Government ♦ Commercial ♦ Residential*

- ♦ MILITARY, FAA, MUNICIPALITIES
- ♦ MARINAS AND MINI STORAGE

- ♦ GATED COMMUNITIES
- ♦ COMMERCIAL AND RESIDENTIAL

... the Nation's first manufacturer of UL compliant Vertical-Pivot-Lift gates

AUTOGATE ... the leading design source for gate entry systems

THE AUTOGATE ADVANTAGE

- 30 Years of Access Control Experience
- Industry Leading Technology
- Expert System Design and Engineering
- Low Voltage Entry System Design
- Custom Applications
- Innovative Designs for Difficult Sites
- Quality Products to Fit Every Budget
- Free Technical Support Line
- Experienced Installation Experts to Answer Your Questions
- Dealerships Available

ACCESSORIES

Access Controls

- Keypads
- Card & Proximity Readers
- Phone Systems (Commercial & Residential)
- Intercoms
- Cameras

Accessories

- Loop Detectors
- In-Ground Loops (custom sizes available)
- Infrared Photo Electric Reversing Beams
- Miller Reversing Edges
- 24/7 Automatic Timers

VERTICAL PIVOT LIFT

- **UL-325 Compliant**
- 24v DC System w/up to 72 hrs back-up operation
- LED Diagnostic and Input Indicators
- 10-12 Sec. Operation w/Soft Start/Stop Technology
- Built-in Battery Charger
- Continuous Duty
- Easy Installation and Space Saving Design
- Custom Gate Designs
- Warranty 3 yr/Comm. – 5 yr/Res. (Ltd.)

SWING & SLIDE

- **UL-325 Compliant**
- 12, 24 & 120 Volt Operators
- 12 & 24 Volt DC Built-in Battery Back Up
- Pad or Post Mount
- Solar Applications
- Custom Gate Designs
- Crash Gates Available

BARRIER

- 12, 24 & 120 Volt Operators
- 12 & 24 Volt DC Built-in Battery Back Up
- Accessory Items Available
- Break Away Arms
- Built-in Close Timers

For More Details, visit us on the Web at www.AutoGate.com, or call us at 1-800-944-GATE (4283)



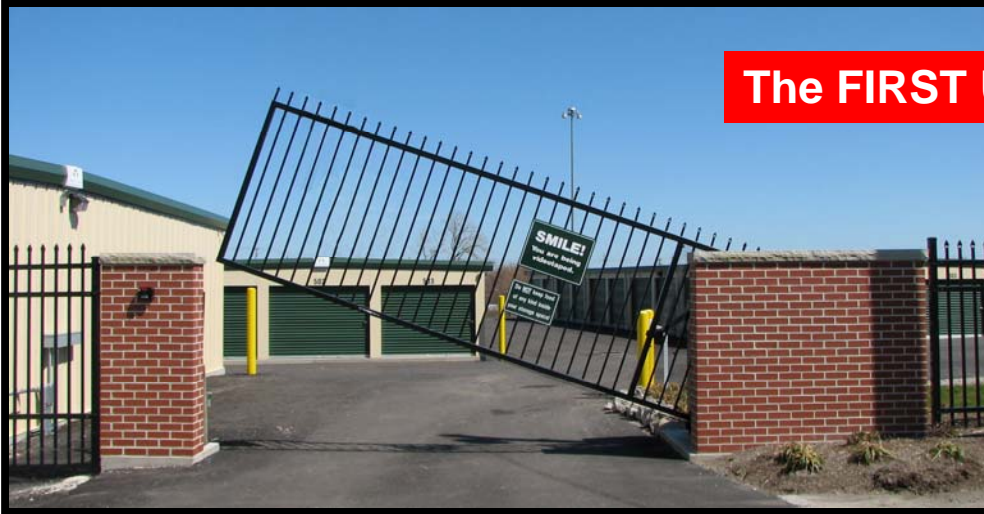
7306 Driver Road, P.O. Box 50
Berlin Heights, Ohio 44814
Fax (419) 588-3514 • Email Sales@AutoGate.com





AutoGate

VERTICAL PIVOT LIFT GATE SYSTEMS



The FIRST UL-325 Compliant VPL!

- ◆ **GOVERNMENT**
- ◆ **COMMERCIAL**
- ◆ **RESIDENTIAL**

FEATURES...	BENEFITS...
UL 325 COMPLIANT <i>(certified early 2001)</i>	Produced to strict standards which provides you with the safest operator possible.
EXTENDED WARRANTY (3 Yrs. Comm./5 Yrs. Res.)	Peace of mind with guaranteed savings.
STAND-ALONE SYSTEM	24VDC power operated – <i>Battery back-up included at no additional charge.</i>
800 PHONE SERVICE	Free calls.
SPACE SAVING	Costly real estate saved.
CUSTOM DESIGN	Increases property value.
ADAPTABLE TO ANY TERRAIN	Curbs -- railroad tracks -- contours
STAND-ALONE 24 VDC GATE ACCESS CONTROL	Continuous security & operation during power outages.
24 VDC RESERVE POWER	1000+ cycles from fully charged batteries <i>(Less when access controls are used).</i>
BUILT-IN BATTERY MAINTAINER	Economical 110 VAC power supply. Maintains battery at peak reserve.
10-12 SECOND OPERATION	Prevents tailgating.
CONTINUOUS DUTY SERVICE	Dependable, worry-free operation in all services.
RUST & CORROSION RESISTANT	20+ years design life. Saves costly replacement.
LOW MAINTENANCE	Requires simple preventative maintenance to keep system functioning properly.

24V VPL Gate Specifications

OPERATOR:	Meets UL 325 Specifications. <i>(Certified early 2001)</i>		
OPERATOR CONSTRUCTION:	Frame: 2" Sq., 11 Ga. (.120) Steel Tubing		
OPERATOR SIZE:	Skins: 18 Ga. Galvaneal Sheet	Mounting Pads: 304 SS	
PAINT:	Type: VPL-24	Length: 68"	Height: 51" Width: 30"
DUTY CYCLE:	Sherwin Williams Polane®. Std Colors: Black, White, Brown, Green & Gray (Custom colors available)		
POWER SUPPLY:	Continuous.		
POWER MAINTENANCE:	120VAC (15 amp) supply, 24v DC powered. (2) 12v Batteries required, NOT included.		
CONTROL CIRCUITRY:	24v Built-In Battery Maintainer "Over-Charge" protection built-in.		
CONTROL WIRING:	Solid state coated Control Board in NEMA 4x weatherproof electrical enclosure. Sealed Proximity Switches ensure weather & moisture-proof integrity (Boards tested to -40° F).		
GEAR MOTOR:	Horse Power: 1/3	Gear Type: Hardened Steel	
OPEN / CLOSING CYCLES:	Bearing Type: Ball	Gear Lube: Dextron II E ATF (Rated to -70° F)	
DELAYED CLOSING:	16 & 18 Ga. single conductor. Copper w/electrolytic copper compression terminals tin-plated for maximum corrosion prevention.		
OBSTRUCTION SENSOR:	10 - 12 seconds.		
SEC. BREACH PROTECTION:	Adjustable from 0 - 60 seconds.		
REVERSING EQUIPMENT:	Adjustable IRD senses obstructions opening or closing.		
COMPATIBLE CONTROLS:	24v built-in System Brake when 120v or battery power is present.		
GATE CONSTRUCTION:	Optional Reversing/Safety Loop, Leading Reversing Edge, Infrared Reversing Beams, Siren or Optical Operated Sensors.		
CHAIN LINK CONSTRUCTION:	Keypad, Card Reader, Intercom, Telephone, Wireless & Siren or Optical Operated Sensors.		
GATE LENGTHS:	2" Sq., 16 Ga. (.063) Steel Tubing 10'-16' 2" Sq., 11 Ga. (.120) Steel Tubing over 16' to 20'		
GATE HEIGHTS:	2 1/2" Sq., 7Ga. (.187) Aluminum Tubing 21'-24'		
GATE HARDWARE:	2-3/8", Sch. 40 & Sch. 20 Steel Tubing 9 Ga. Galv. Fabric from 12' up to 22'		
ALUMINUM PICKET CONSTRUCTION:	2-3/8", Sch. 40 & Sch. 20 Aluminum Tubing 9 Ga. Alum. Fabric over 22' up to 24'		
STEEL PICKET CONSTRUCTION:	10' - 24' (Consult factory for gates over 24').		
WINDBRACING:	75 mph design, 1/4" aircraft coated cable 16'-20'. Rigid mastid alum over 20'.		
DOUBLE GATES:	Control Panel can be set to accommodate 2 nd Operator or Sallie Port with another Operator (Optional Add).		
SHIPPING WEIGHT:	Typical VPL-24 Operator with 6' high x 16' long Buckeye style gate = 1,200 lbs. crated weight.		
WARRANTY:	Res. = Five (5) Years / Comm. = Three (3) years from date of shipment on manufactured components and workmanship. Purchased components and accessories are covered under their respective warranties (See full Warranty for details).		

The AutoGate Advantage ...



20 years of access control technology

Quality products to fit every budget

- ◆ **Gated Communities**
- ◆ **Commercial**
- ◆ **Residential**
- ◆ **Marinas**
- ◆ **Mini-Storage**
- ◆ **Federal, State & Local**



VPL Gates are carefully designed to give years of safe and reliable operation!



Custom gate styles to fit every taste

Innovative designs for distinguished landscapes



For More Details Contact:

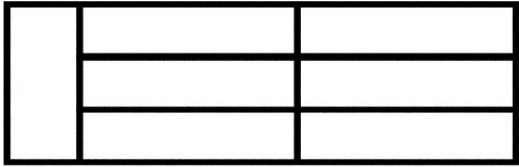


**P.O. Box 50 • 7306 Driver Road
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Phone: 800-944-GATE (4283) • Fax: 419-588-3514**



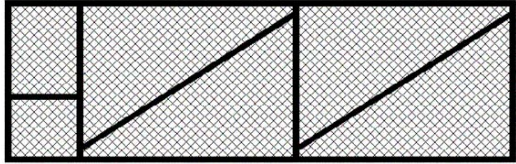
AutoGate Gate Styles



100 Cornhusker



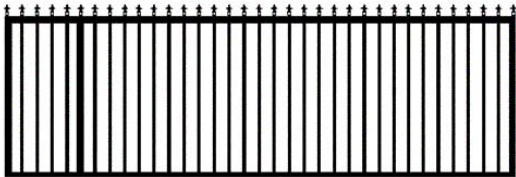
200 Barracuda



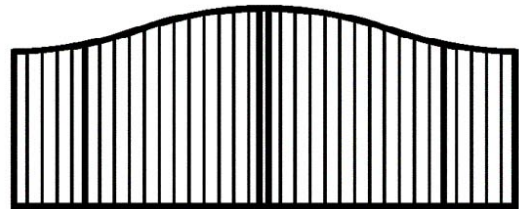
300 Chain Link



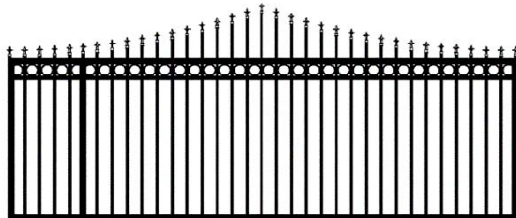
400 Catawba



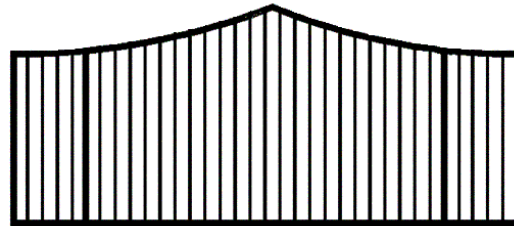
500 Buckeye



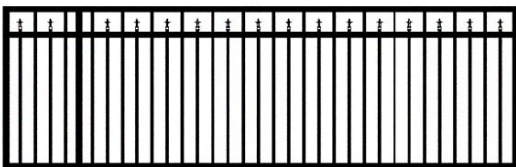
600 Congress



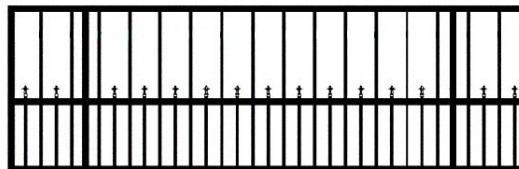
700 Saratoga



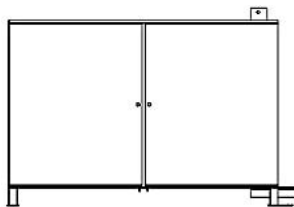
800 Prestigious



900 Ohioan



1000 Islander



Operator Only



AutoGate

Gate Styles



Cornhusker 100



Buckeye 500



Barracuda 200



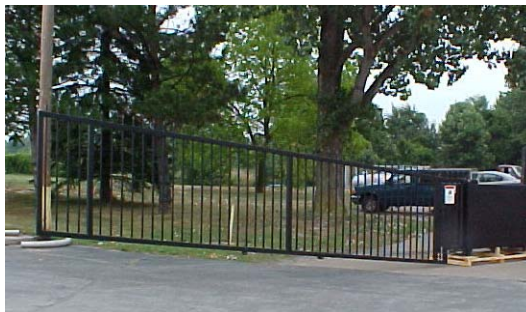
Congress 600



Chainlink 300



Saratoga 700



Specialty Gates



Prestigious 800

1-800-944-GATE
www.AutoGate.com



AutoGate

The leading design source for gate entry systems

OPERATORS



24VDC Gate Operators
Mega-Arm Barrier~ Mega Slide ~ Mega Swing



SL 3000 UL ♦ CSW 200 UL ♦ Hercules ♦ Miracle One ♦
Roboslide ♦ Roboswing



120 V AC Barrier Gates
10' to 20'



12 Volt Swing & Slide Operators
Patriot ~ Star ~ Patriot RSL



Swing Gate Operators
Elliptical ~ PT-20



Swing & Slide Operators
L-3 ~ G-5 ~ F-1 ~ L-3

ACCESS CONTROLS



Falcon Security System: ~ Falcon 2000 Software
Mini-Storage Access Control at its best!
Compatible with most Management Software



Access Control Products
Keypads, Proxy Readers and Intercom Systems



Self-Storage Security Marketing Systems



Access Control Systems
Keypads, Proxy Readers and Telephone Systems



AutoGate

The leading design source for gate entry systems



Access Control Products
Residential & Commercial Phone Systems



Access Control Products
Telephone Entry Systems

REVERSING EQUIPMENT



♦IRB-325 Infrared Photocell ♦IRB-4X Infrared Photocell
♦ Lite Preformed Loops ♦ CarSense 101



Pre-formed Loops
Designed for direct burial under asphalt,
brick pavers, and gravel



Model "B" Series Loop Detectors



Reflective Reversing /Safety Beam



Loop Detectors
DSP-7 ~ DSP-5LP



Long -range AC/DC Photoelectric Sensor:

EMERGENCY ACCESS EQUIPMENT



Radio Transmitter Emergency Access



Siren Operated Sensor

THE SHIELD[®]

VPL CRASH BARRIER

Suggested Applications:

- Municipal Utilities
- Military Facilities
- Federal Facilities
- Government Offices
- Embassies
- Airports
- Harbors

AutoGate. Engineered Green.

We're committed to protecting people and their assets but not at the expense of our environment. Our systems are all electric and always have been. Call today for more information.

800.944.4283

www.AutoGate.com



Made in the USA

Product Specification: The Shield®
DOS K-12 Rated Full Size Security Gate
Model: VPL-CB-24-K12

RATING:	K-12. Stops a 15,000 lb. vehicle traveling 50 mph.		
OPERATOR:	Dual belt/high torque reduction system. Counter balanced. Safety locking pins used during preventative maintenance to negate vertical and horizontal movement.		
OPERATOR CONSTRUCTION:	Frame:	2" Sq., 11 Ga. (.120) Steel	
	Skins:	18 Ga. Galvaneal Sheet	
OPERATOR SIZE:	Type:	Length:	Height:
	VPL-CB-24	68"	51"
			Width: 36"
PAINT:	Sherwin-Williams Polane® polyurethane enamel. Standard colors: Black, White, Brown, Green & Gray. Custom colors available.		
DUTY CYCLE:	Continuous.		
POWER SUPPLY:	120V-3 Amp with 24v DC battery back up. (2) 12v sealed batteries required, NOT included.		
POWER MAINTENANCE:	24v built-in battery maintainer keeps batteries charged for built-in battery back-up. "Over-Charge" protection built-in.		
CONTROL CIRCUITRY:	Solid state coated control board in NEMA 4x weatherproof electrical enclosure. Sealed proximity switches ensure weather and moisture-proof integrity. (Boards tested to -40° F).		
CONTROL WIRING:	16 & 18 Ga. single conductor. Copper w/electrolytic copper compression terminals tin-plated for maximum corrosion prevention.		
GEAR MOTOR:	Horse Power:	Gear Type:	Gear Lube:
	1/3	Hardened steel	Dextron II E ATF (Rated to -70° F)
	Bearing Type:	Ball	
OPEN/CLOSING CYCLES:	12 – 14 seconds.		
DELAYED CLOSING:	Adjustable from 0 – 60 seconds.		
OBSTRUCTION SENSOR:	Adjustable IRD senses obstructions opening or closing.		
SECURITY BREACH PROTECTION:	24v built-in system brake when 120v or battery power is present.		
REVERSING EQUIPMENT:	Optional Reversing/Safety Loop, Leading Reversing Edge, and Infrared Reversing Beams.		
OPTIONAL ACCESSORIES:	Access controls, solar power, power plug for generator, operator heater, siren or optical operated sensors.		
GATE CONSTRUCTION:	Aluminum tubing with high strength synthetic ropes contained in aluminum housing. 2" Sq., 11 Ga. (.120) Aluminum Tubing		
CHAIN LINK CONSTRUCTION:	2-3/8", Sch. 40 & Sch. 20 Tubing	9 Ga. Aluminum Fabric	
PICKET CONSTRUCTION:	3/4" sq. Aluminum Tubing		
GATE LENGTHS:	Full size gate: Clear opening to 15' Barrier Arm only: Clear opening to 17'		
GATE HEIGHTS:	5' – 9' from pad grade. Gates over 8' will require special crating & freight arrangements.		
GATE HARDWARE:	Gate mounting hardware is 304 stainless steel.		
FOUNDATION:	Deep foundation design with heavy duty 12" tubular steel bolsters.		
SHIPPING WEIGHT:	Typical VPL-CB-24 Operator with 6' high x 15' long Buckeye style gate = 1800 lbs.		
WARRANTY:	Three (3) years from date of shipment on manufactured components and workmanship. Purchased components and accessories are covered under their respective warranties. (See full Warranty for details).		

AutoGate. Engineered Green.



- Electrical System - No Hydraulics
- Built in battery back up
- Opens to clear 90°
- Functions in extreme weather
- Not impeded by sand or snow
- Restricts vehicle and foot traffic



20 Years of Access Control Technology

VPL Gates are carefully designed to give years of safe and reliable operation!

THE SHIELD®
VPL CRASH BARRIER
K12 RATED



AutoGate, Inc.

7306 Driver Road - P.O. Box 50

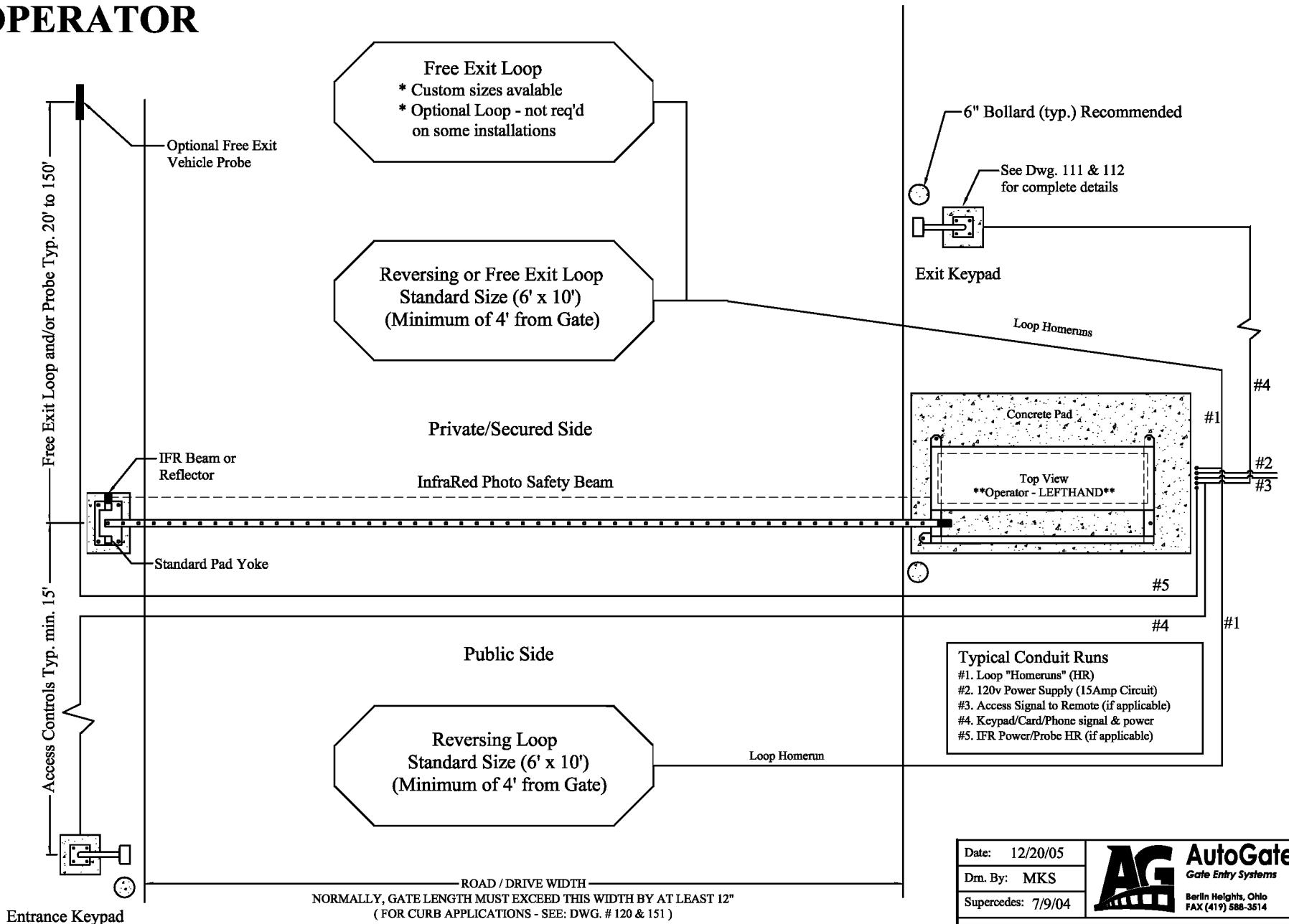
Berlin Heights, Ohio 44814

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Fax: 419.588.3514

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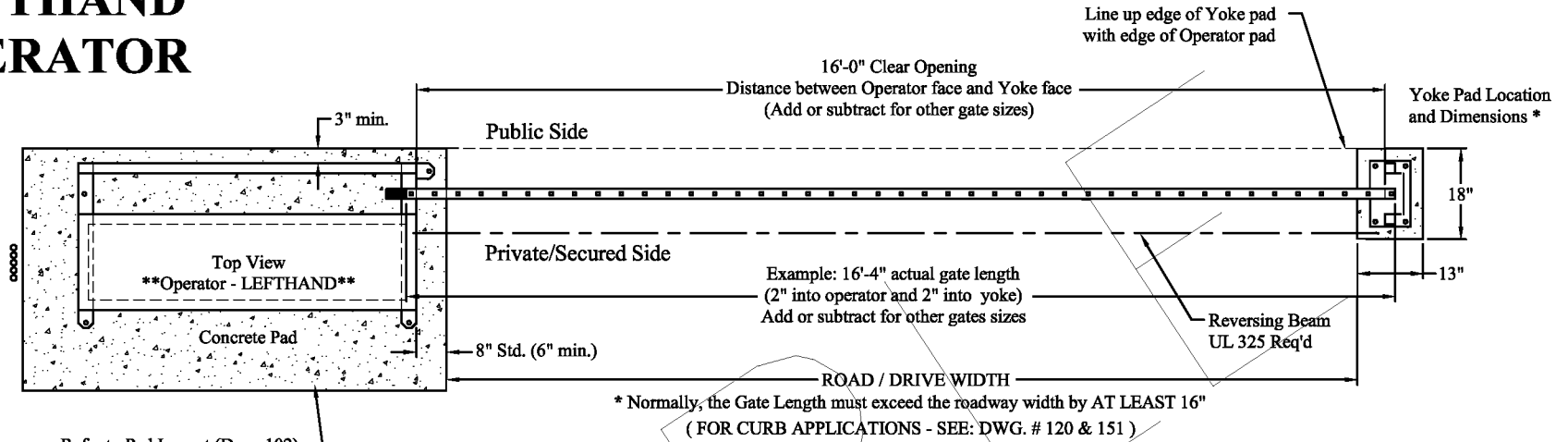
LEFTHAND OPERATOR



Printed: 04/06/07

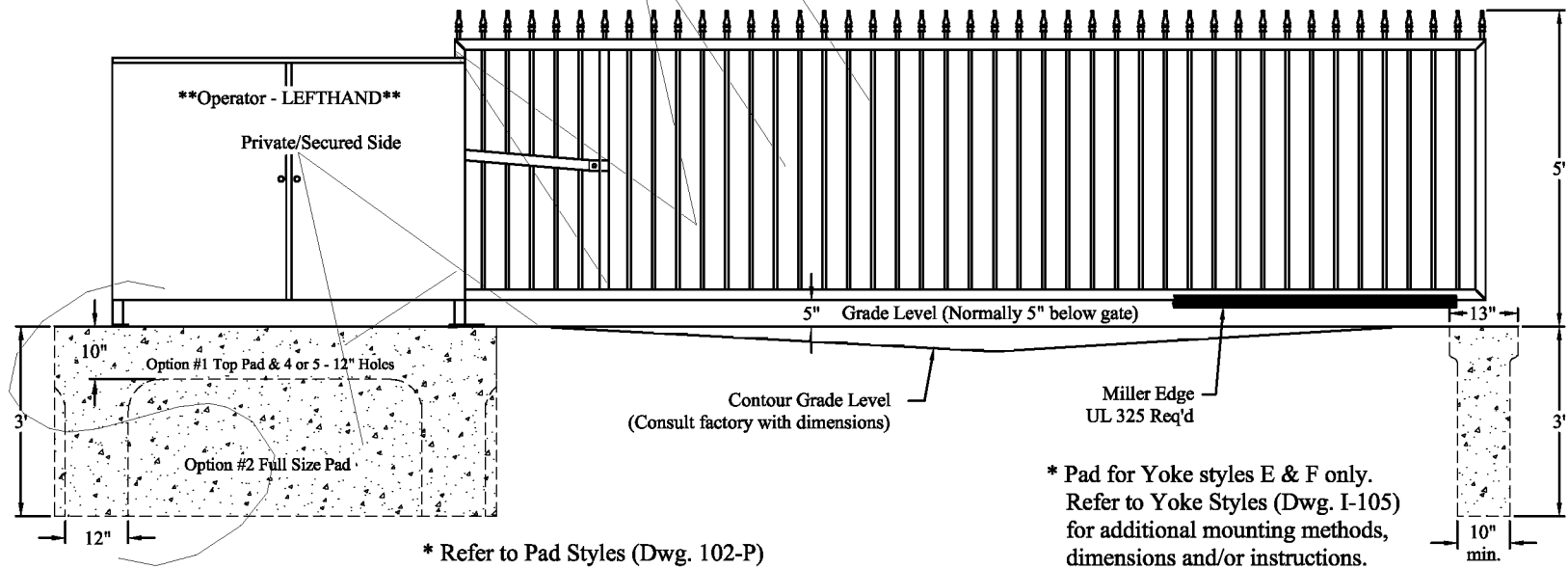
Date: 12/20/05	AG AutoGate Gate Entry Systems
Drn. By: MKS	
Supercedes: 7/9/04	Berlin Heights, Ohio FAX (419) 588-3514
Dwg.: 100-L	
Title: Operator and Accessory Site Layout	

LEFTHAND OPERATOR




Refer to Pad Layout (Dwg. 102)
for more details and instructions

Example Shown: 16' x 5' Buckeye Style 500 Gate

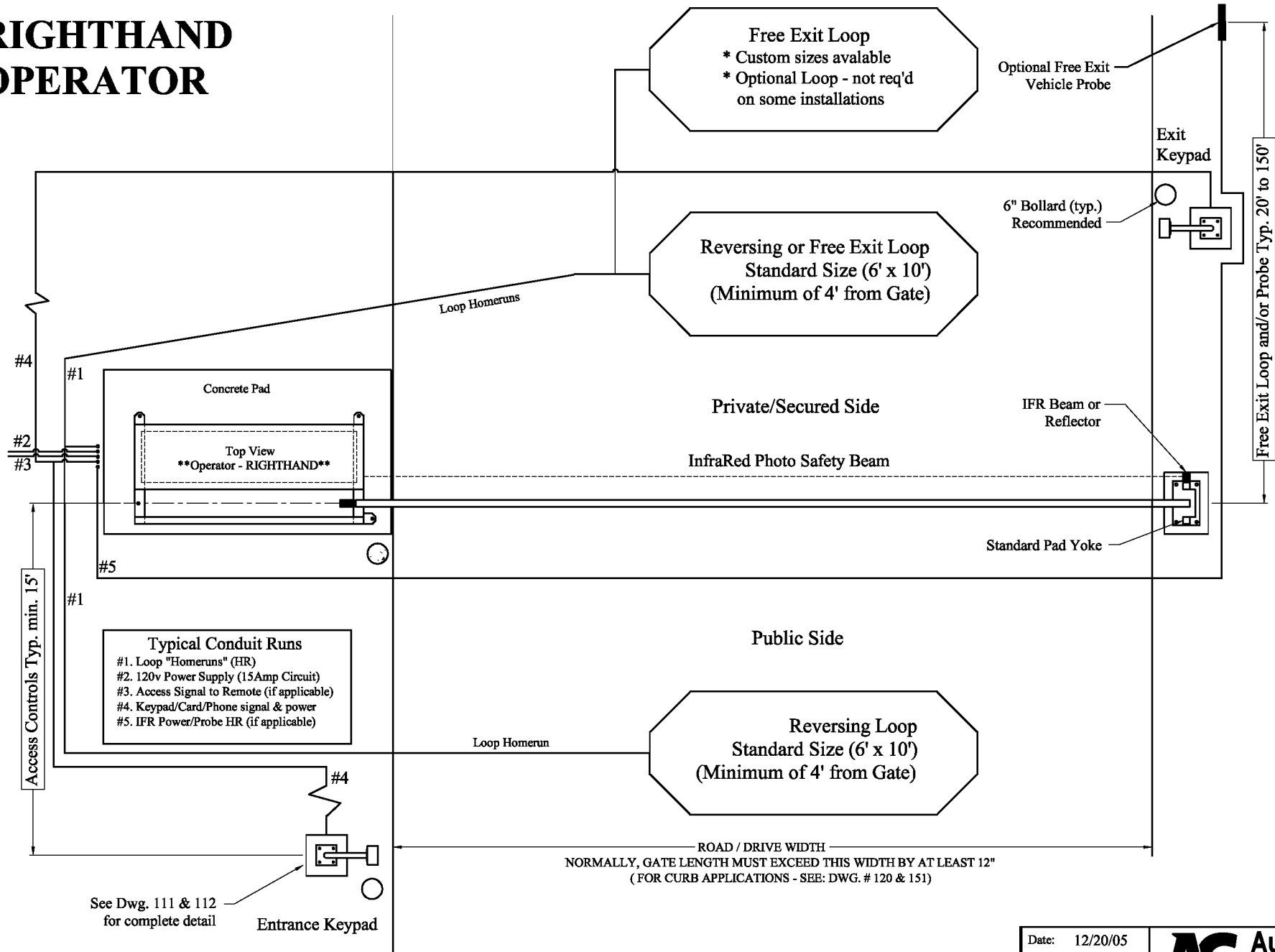



* Refer to Pad Styles (Dwg. 102-P)
for Operator Pad options, notes,
dimensions and/or instructions.

* Pad for Yoke styles E & F only.
Refer to Yoke Styles (Dwg. I-105)
for additional mounting methods,
dimensions and/or instructions.

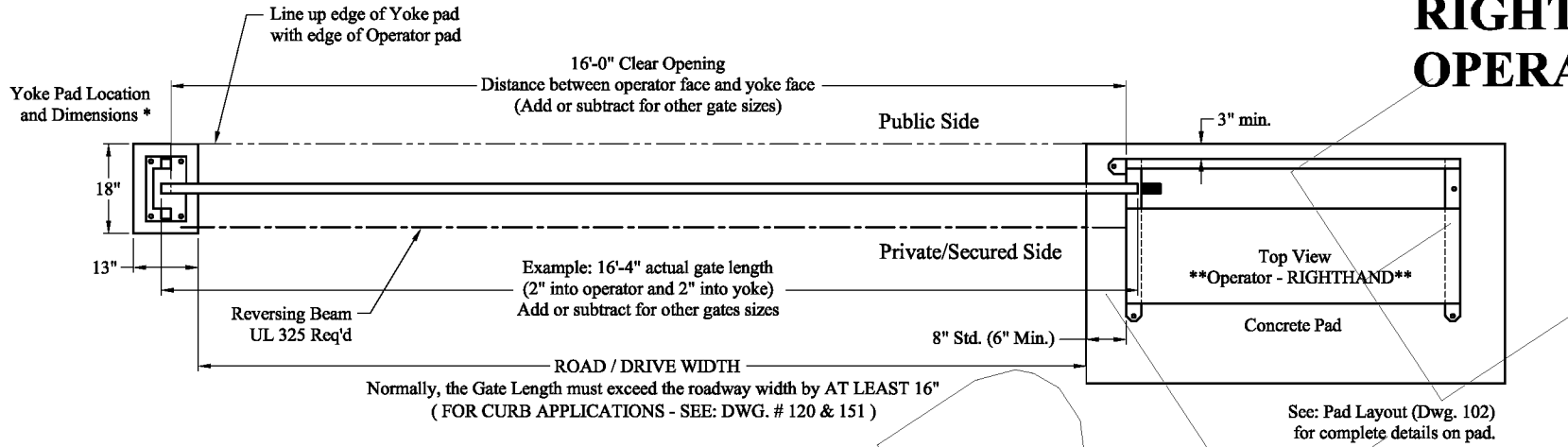
Date: 12/21/05	
Drn. By: MKS	
Supercedes: 10/26/05	
Dwg.: 101-L	Berlin Heights, Ohio FAX (419) 588-3514
Title: Std. Layout Dimensions (Sample: 16' x 5')	

RIGHTHAND OPERATOR

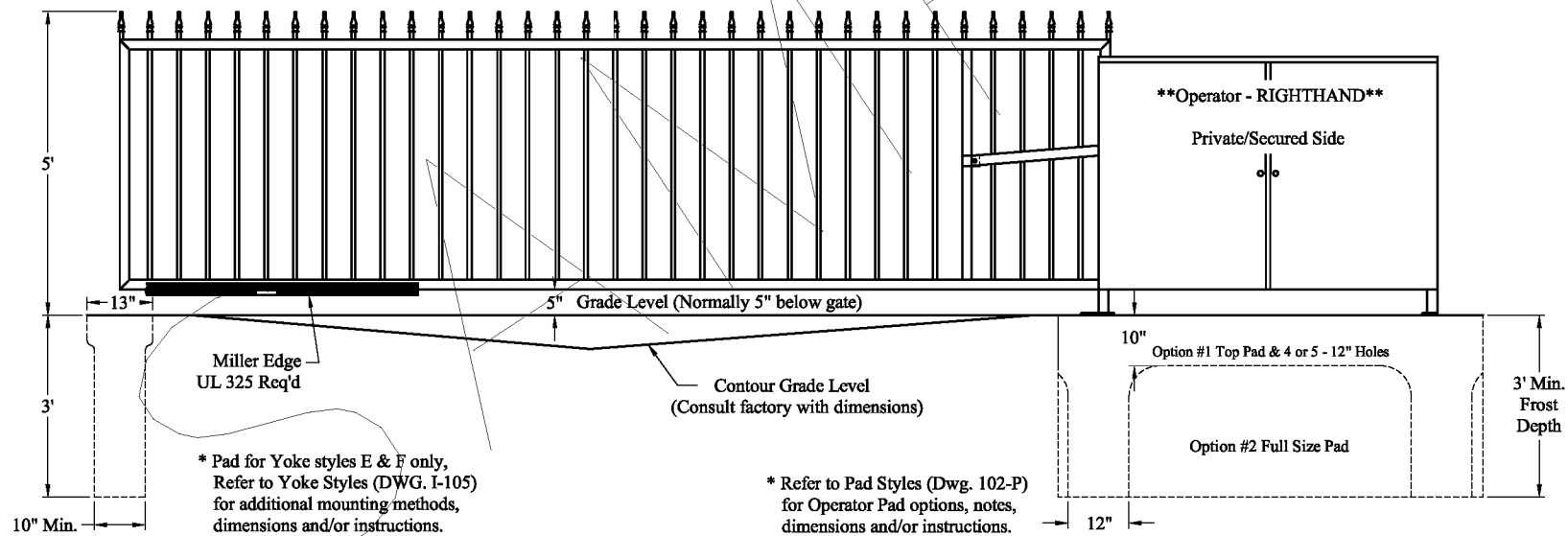


Date: 12/20/05	
Dwn. By: MKS	
Superceded: 7/9/04	
Dwg.: 100-R	
Title: Operator and Accessory Site Layout	

RIGHTHAND OPERATOR



Example Shown: 16' x 5' Buckeye Style 500 Gate



- *All pad depths should be BELOW local frost line
- *Add rebar where applicable
- *Min 3' pad depth or oversized pad in sand or (4) 12" Sonet Tube columns

Date: 12/21/05

Drn. By: MKS

Supersedes: 10/26/05

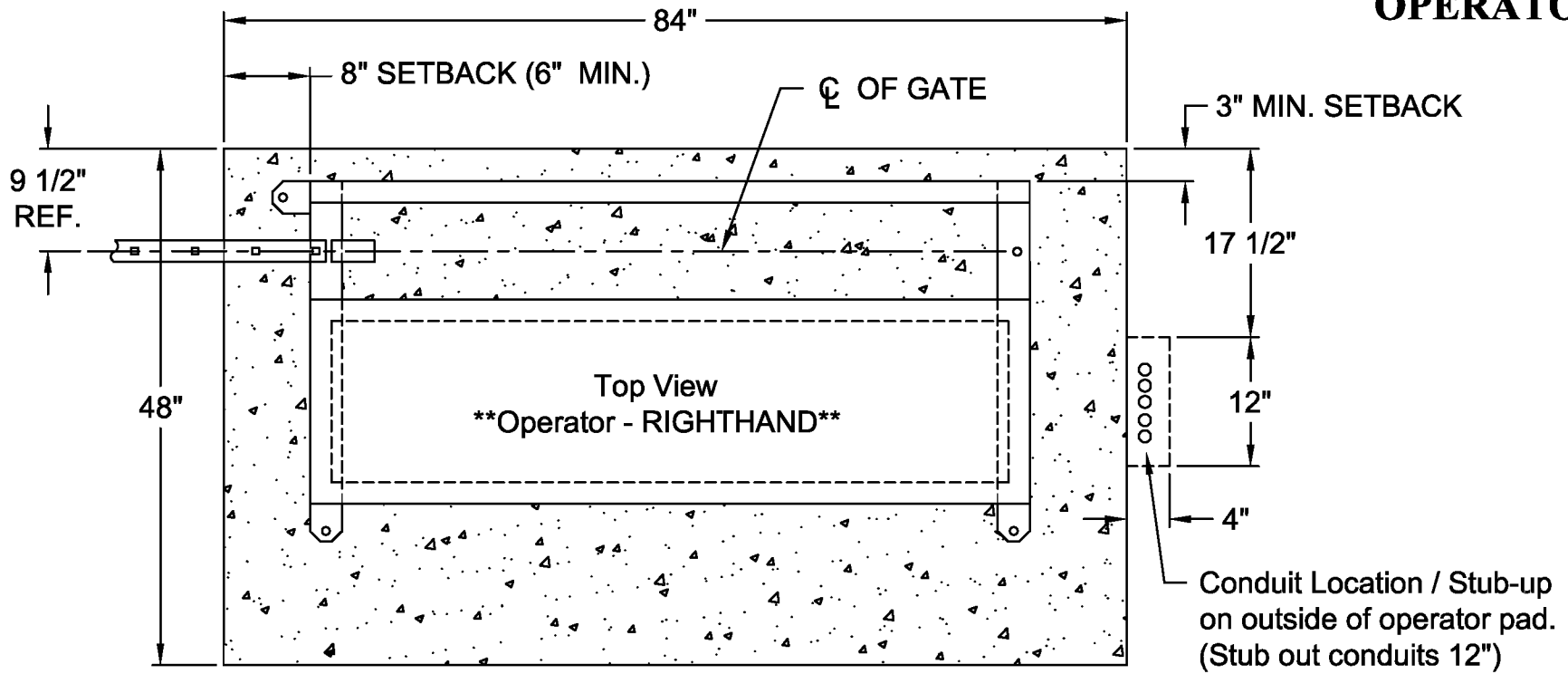
Dwg.: 101-R

Title: Std. Layout Dimensions (Sample: 16' x 5')



Public Side

RIGHTHAND OPERATOR



Private/Secured Side

* Note: Use 3/4" Conduit Only

Possible Conduits:

- * 120 vac, min. 15 amp circuit
- * "Entrance" Keypad
- * "Exit" Keypad
- * Reversing/Safety Loops
- * Free Exit Loop
- * Office Communication
- * IFR Beam Power
- * Optional Spares

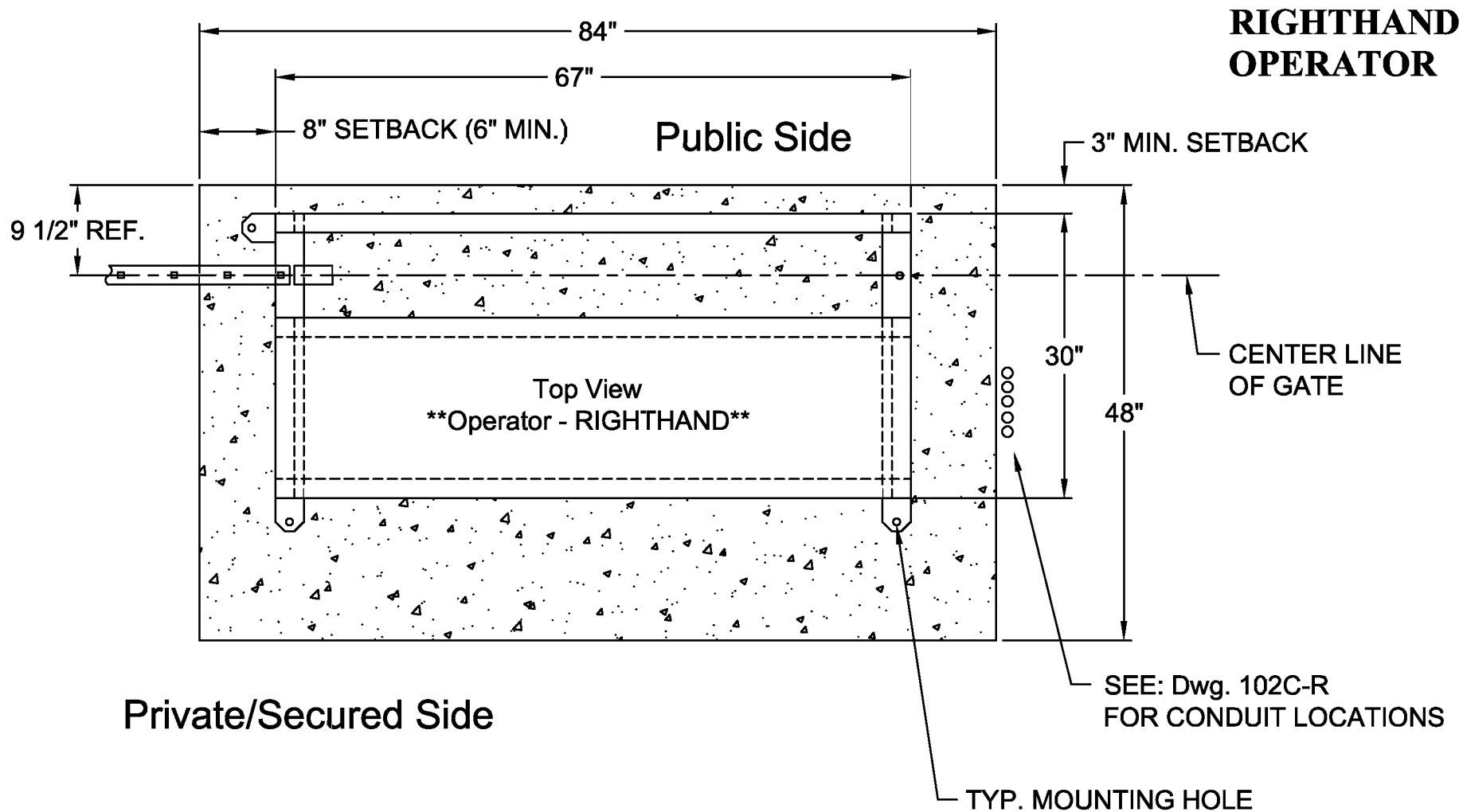
DO NOT SCALE

Rev.:	Description:	Date:
A	Conduit locations were moved outside the pad	07/18/08 MS

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 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 ANGLES ± 1°
 XX ± 1/32, .XX ± .01, .XXX ± .005

Date: 12/07/05
 Dm. By: MKS
 Supersedes: 8/10/05
 Dwg.: 102C-R
 Title: Righthand Conduit Pad Location



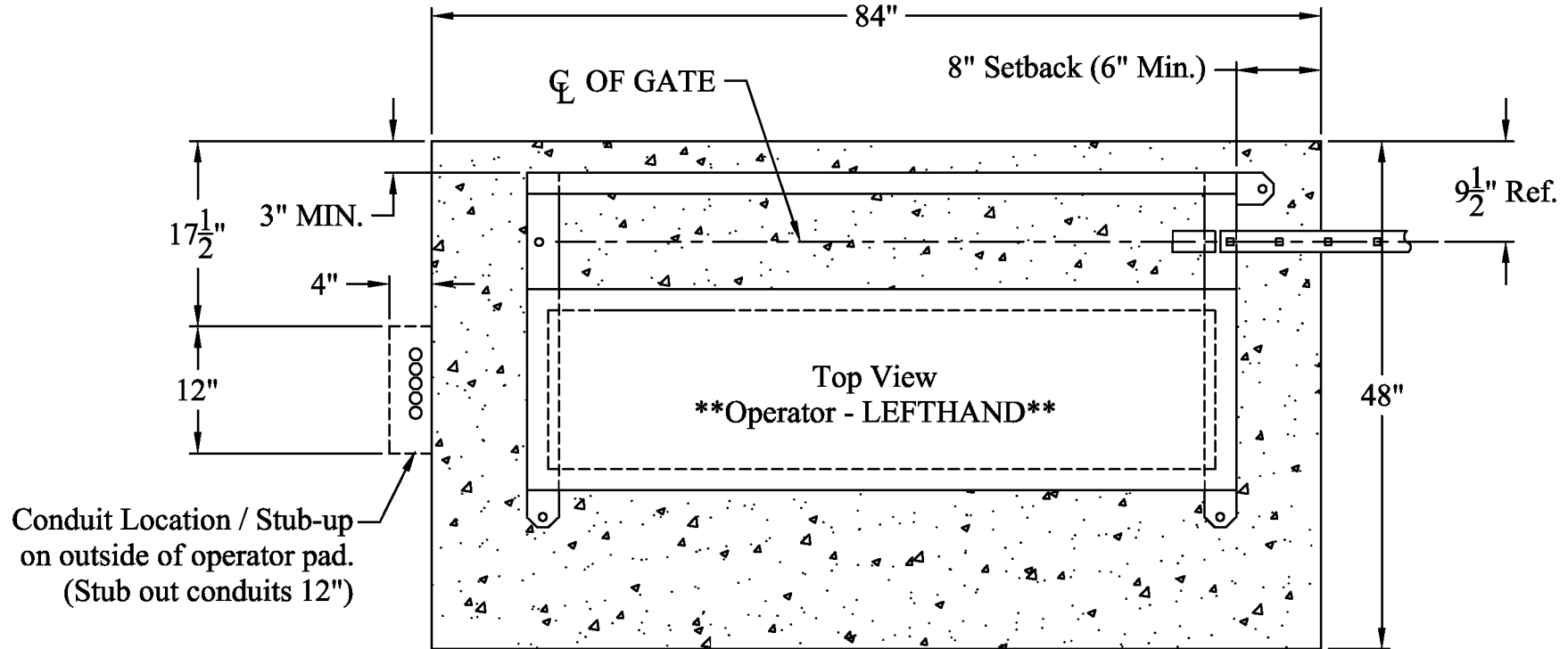


- Notes:
- * Pad dimensions can vary per site
 - * Leave at least 3" between anchor and edge of pad
 - * All Pads should be poured level and below local frost depth
 - * Stub conduits under operator when possible

DO NOT SCALE			NOTICE		Date: 12/07/05	AG AutoGate Gate Entry Systems
			THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONFIDENTIAL. ANY DISSEMINATION, UNAPPROVED DISCLOSURE OR COPYING OF THIS INFORMATION IS STRICTLY PROHIBITED		Drn. By: MKS	
Rev.:	Description:	Date:			Supercedes: 8/10/05	Berlin Heights, Ohio FAX (419) 588-3514
A	Conduit locations were moved outside the pad	07/18/08 MS			Dwg.: 102-R	
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ± 1°		Title: Righthand Standard Pad Layout	
			X/X ± 1/32, XX ± .01, XXX ± .005			

LEFTHAND OPERATOR

Public Side



* Note: Use 3/4" Conduit Only


Private/Secured Side

Possible Conduits:

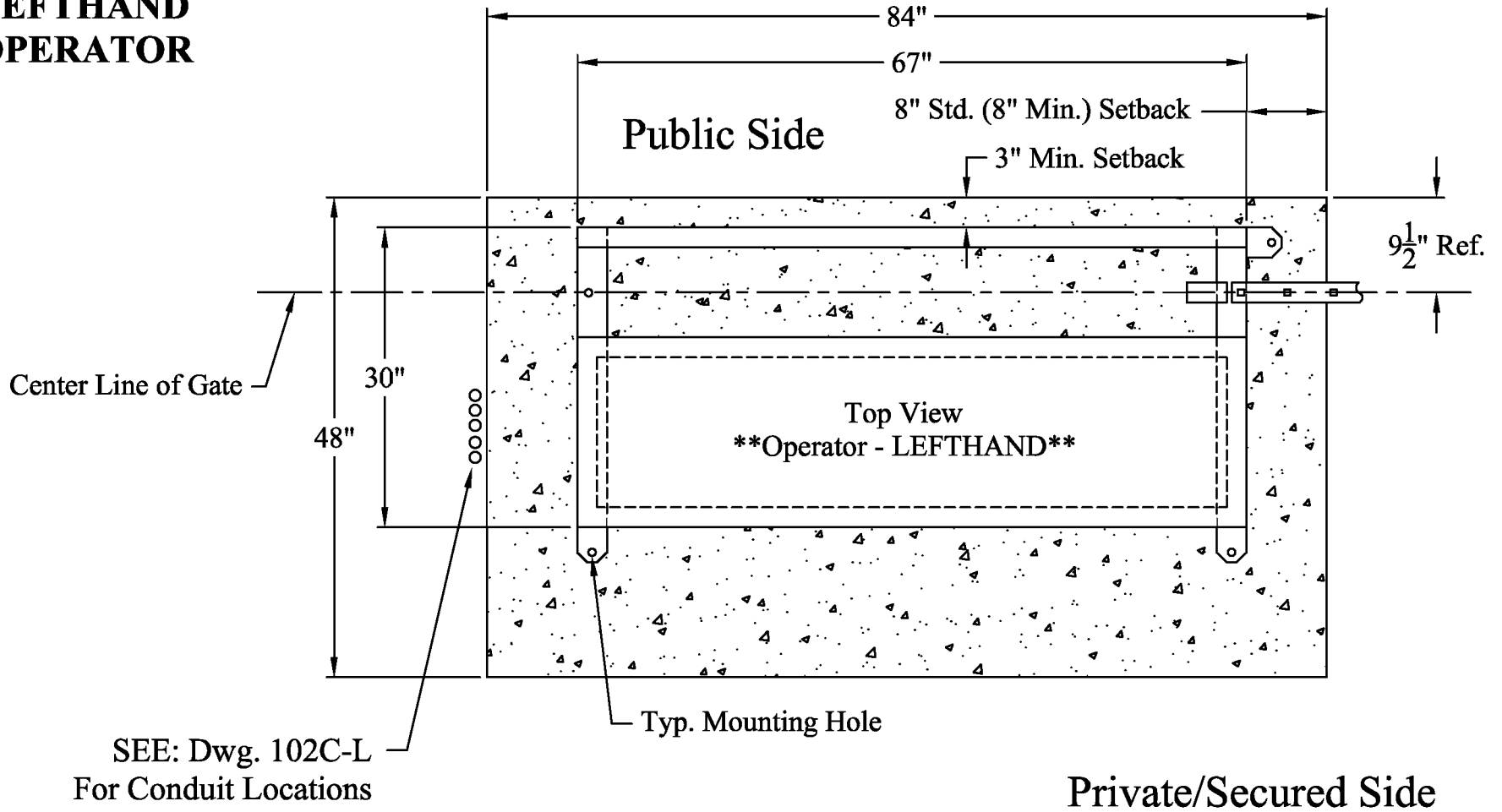
- * 120 vac, min. 15 amp circuit
- * "Entrance" Keypad
- * "Exit" Keypad
- * Reversing/Safety Loops
- * Free Exit Loop
- * Office Communication
- * IFR Beam Power
- * Optional Spares

DO NOT SCALE

Rev.:	Description:	Date:
A	Conduit locations were moved outside the pad	07/18/08 MS


<p align="center">NOTICE</p> <p>THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONFIDENTIAL. ANY DISSEMINATION, UNAPPROVED DISCLOSURE OR COPYING OF THIS INFORMATION IS STRICTLY PROHIBITED</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ± 1° X/X ± 1/32, XX ± .01, XXX ± .005</p>	Date: 12/07/05	 <p>Berlin Heights, Ohio FAX (419) 588-3514</p>
	Drn. By: MKS	
	Supercedes: 8/10/05	Dwg.: 102C-L
	Title: Lefthand Conduit Pad Location	

LEFTHAND OPERATOR



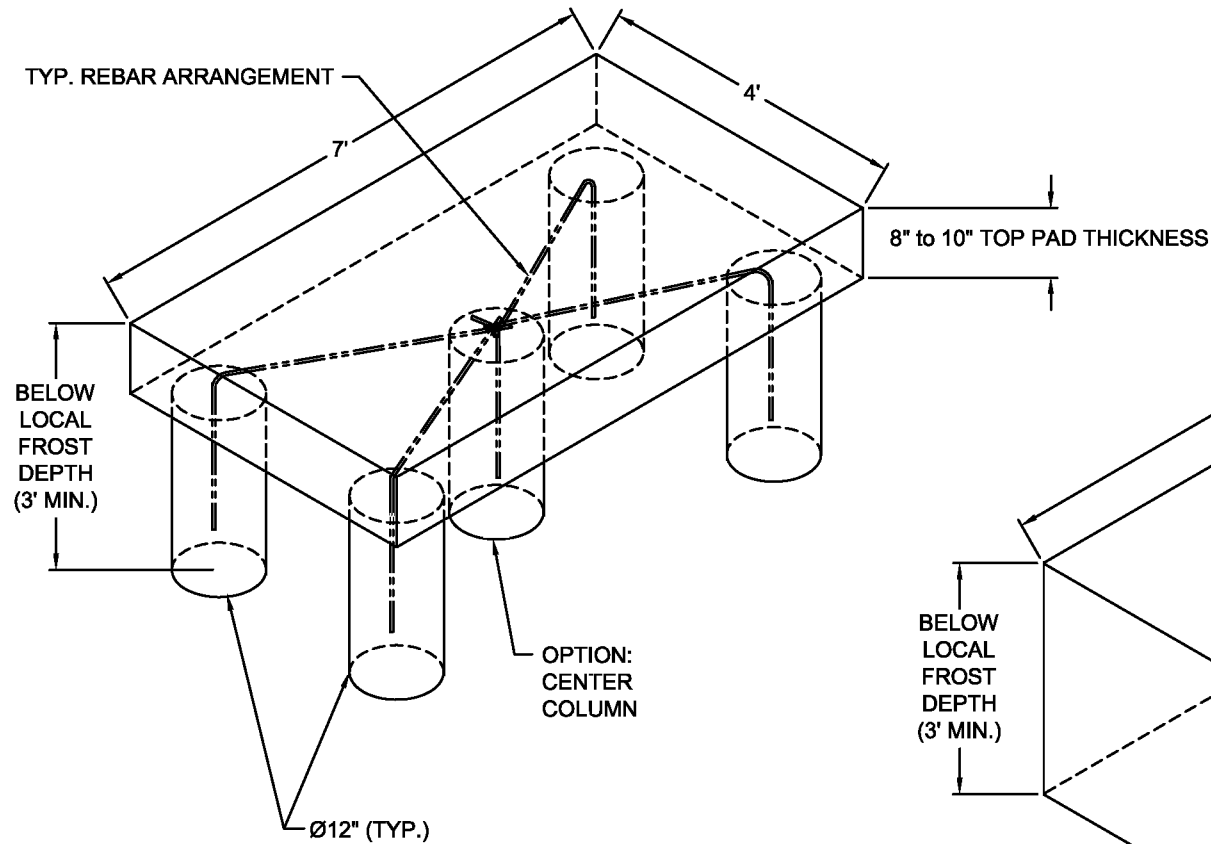
- Notes:
- * Pad dimensions can vary per site
 - * Leave at least 3" between anchor and edge of pad
 - * All Pads should be poured level and below local frost line depth
 - * Stub conduits under operator when possible

DO NOT SCALE		
Rev.:	Description:	Date:
A	Conduit locations were moved outside the pad	07/18/08 MS

<p align="center">NOTICE</p> <p>THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONFIDENTIAL. ANY DISSEMINATION, UNAPPROVED DISCLOSURE OR COPYING OF THIS INFORMATION IS STRICTLY PROHIBITED</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ± 1° X/X ± 1/32, XX ± .01, XXX ± .005</p>	Date: 12/07/05	 <p>Berlin Heights, Ohio FAX (419) 588-3514</p>
	Dwn. By: MKS	
	Supercedes: 8/10/05	Dwg.: 102-L
	Title: Lefthand Standard Pad Layout	

OPTION #1:

(4) or (5) MIN. 12" AUGURED HOLES, RE-BAR, AND AN 8" TO 10" TOP PAD



8" to 10" TOP PAD THICKNESS

BELOW
LOCAL
FROST
DEPTH
(3' MIN.)

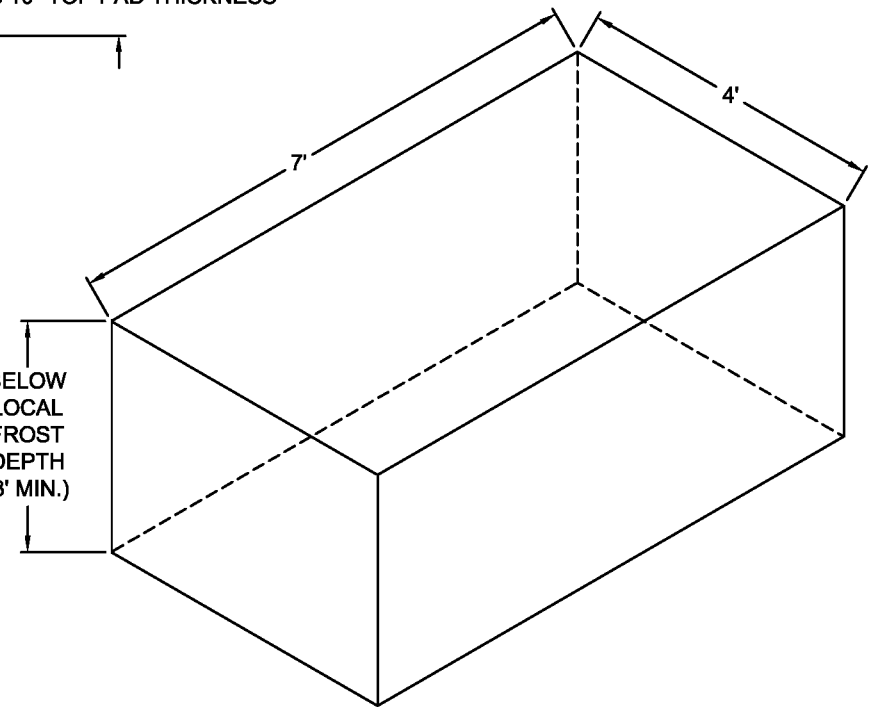
OPTION:
CENTER
COLUMN

$\text{\O}12''$ (TYP.)

BELOW
LOCAL
FROST
DEPTH
(3' MIN.)

OPTION #2:

FULL CONCRETE PAD WITH RE-BAR WHERE APPLICABLE



NOTES:

- * ALL PAD DEPTHS SHOULD BE BELOW LOCAL FROST DEPTH
- * TOP OF PAD SHOULD BE FLAT AND LEVEL

Date: 12/21/05

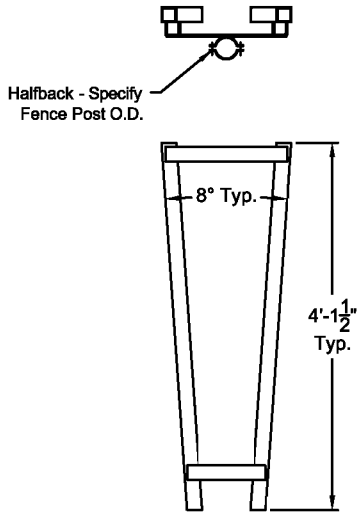
Drn. By: MKS

Supersedes: 7/12/04

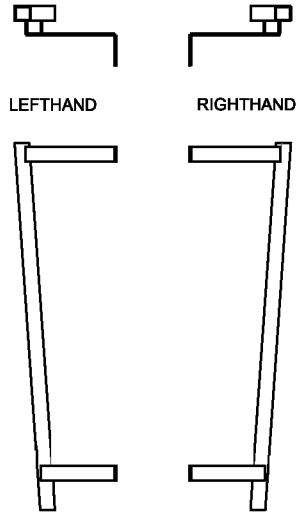
Dwg.: 102-P

Title: Operator PAD Layout / Options

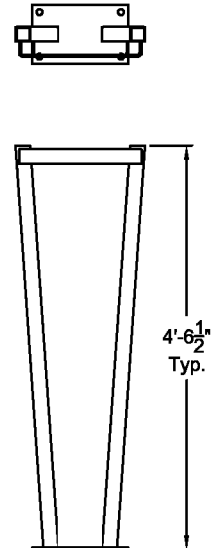




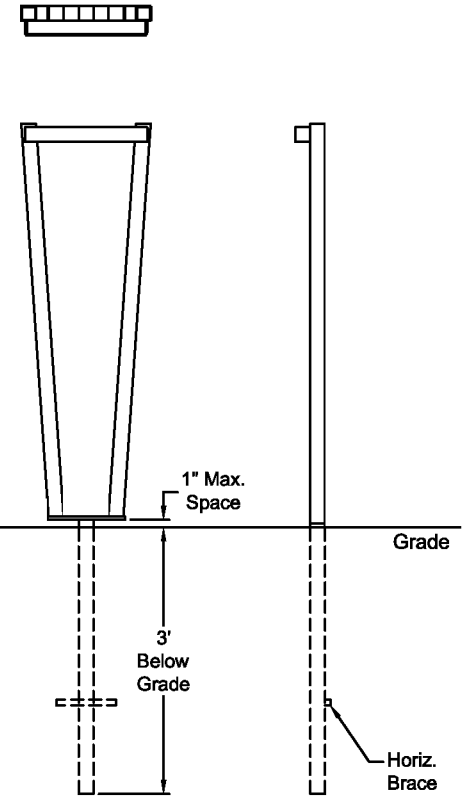
Grade
STYLE 'A'
Post Mounted



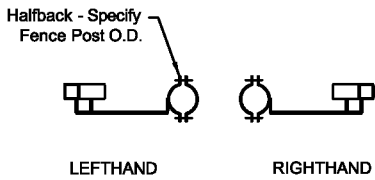
STYLE 'C'
Offset Wall or Post Mounted



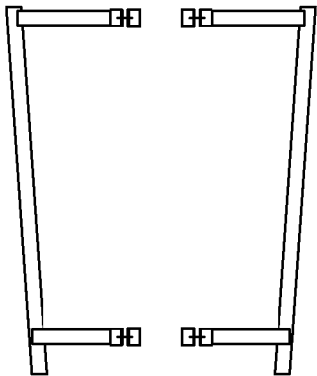
STYLE 'E'
Standard Pad Mounted



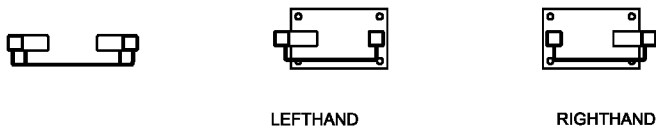
STYLE 'G'
Buried in Ground



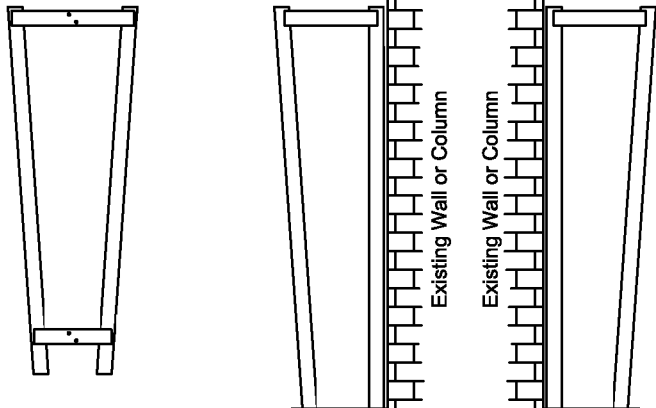
LEFTHAND RIGHTHAND



Grade
STYLE 'B'
Post Mounted



LEFTHAND RIGHTHAND




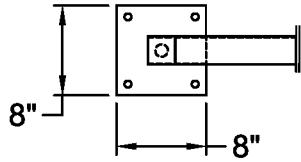
STYLE 'D'
Wall or Post Mounted

STYLE 'F'
Gate Perpendicular to Wall

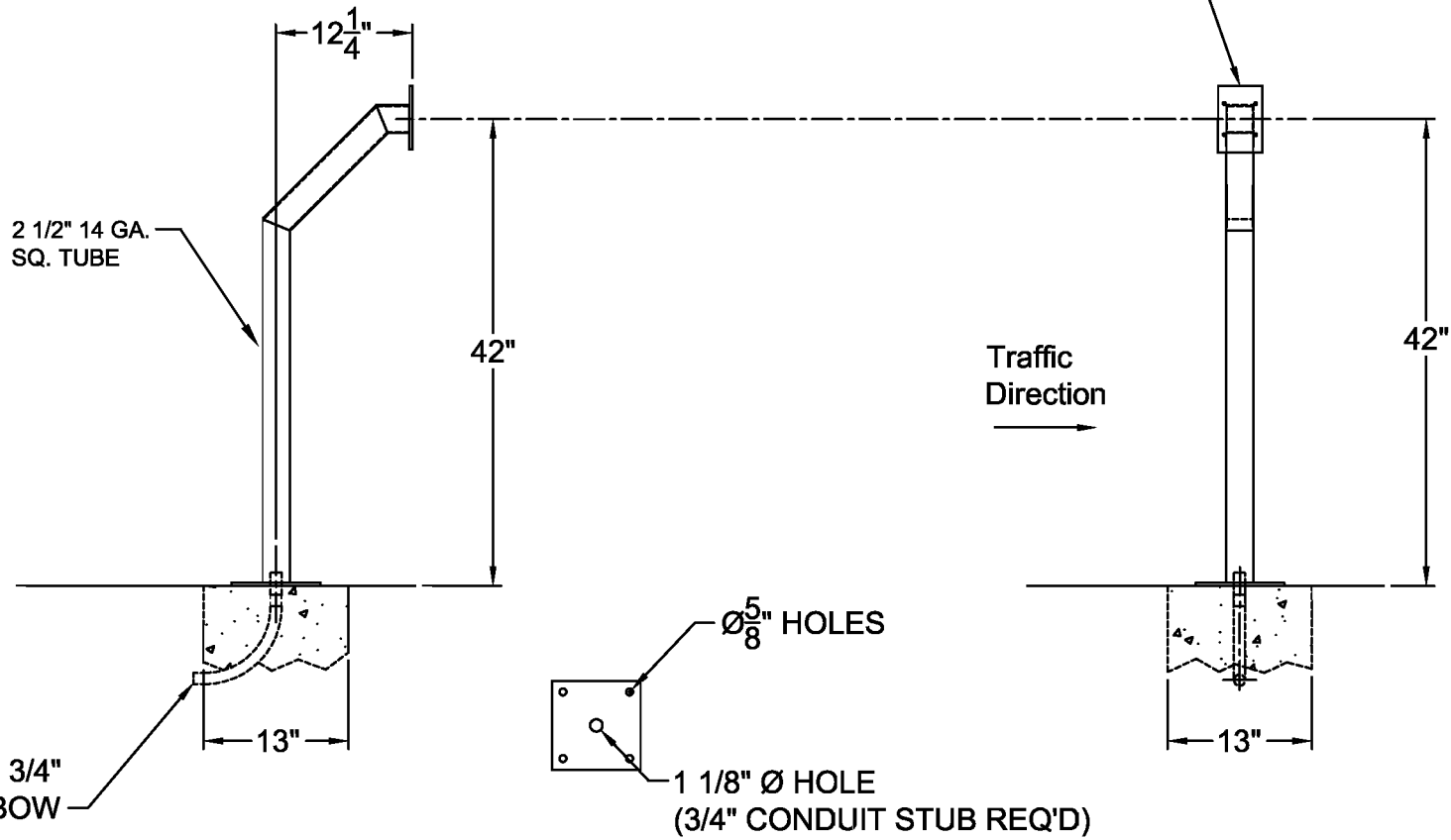
NOTES:

- 1) All of these standard yokes are 5' tall.
- 2) Style 'G' protrudes an additional 36" in the ground.
- 3) Styles 'A' through 'D' is mounted 5" above grade.
- 4) Unless specified, gate is furnished with Style 'E'.

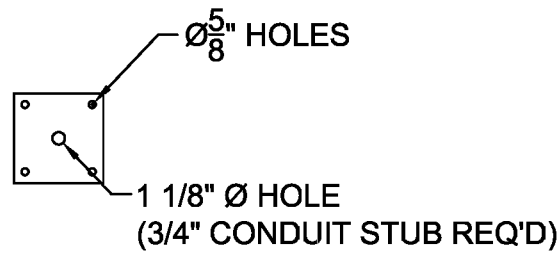
Date:	12/21/05		AutoGate
Dm. By:	MKS		Gate Entry Systems
Supercedes:	7/8/04		Berlin Heights, Ohio FAX (419) 588-3514
Dwg.:	105		
Title:	YOKE STYLES (5' STANDARD)		



FACEPLATE MAY VARY
WITH KEYPAD STYLE




TYPICAL 3/4"
90° ELBOW

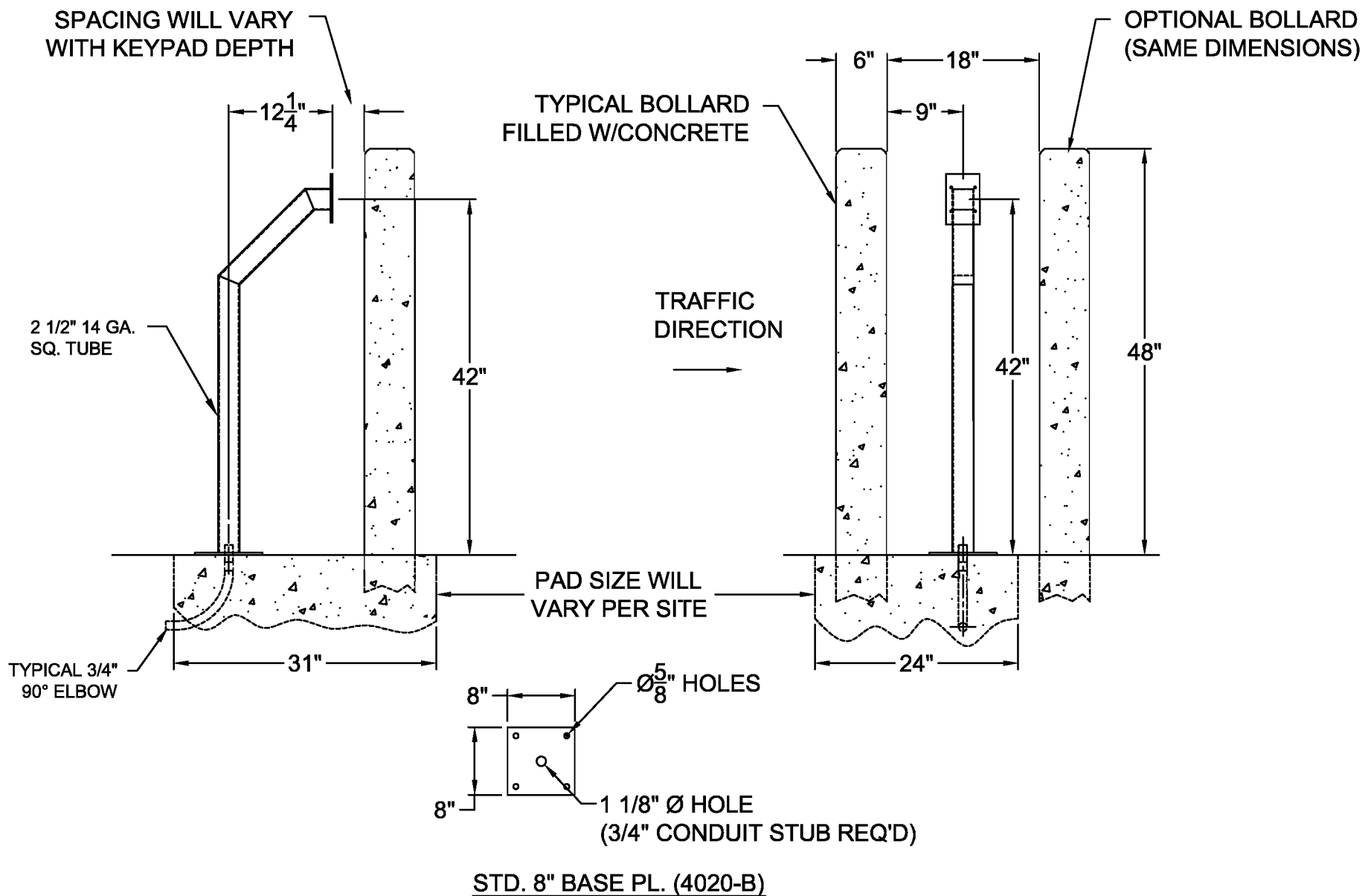


STD. 8" BASE PL. (4020-B)


NOTES:

- * 1/2" CONCRETE ANCHORS PROVIDED W/GOOSENECK
- * POUR CONCRETE PADS BELOW LOCAL FROST LINE

Date: 08/10/05	
Dwn. By: MKS	
Supersedes: 7/9/04	
Dwg.: 111	
Title: Gooseneck	



- NOTES:
- * 1/2" CONCRETE ANCHORS PROVIDED
 - * POUR PADS BELOW LOCAL FROST LINE
 - * POSITION BOLLARDS TO PROTECT KEYPAD

Date:	12/07/05	 <p>Berlin Heights, Ohio FAX (419) 588-3514</p>
Dwn. By:	MKS	
Supersedes:	8/10/05	
Dwg.:	112	
Title:	Gooseneck with Bollards	

Printed: 04/06/07