

# VERTICAL PIVOT LIFT GATE STYLES



**#100 - Cornhusker**



**#200 - Barracuda**



**#300 - Chainlink**



**#400 - Catawba**



**#500 - Buckeye**



**#600 - Congress**



**#700 - Saratoga**



**#800 - Prestigious**



**#900 - Ohioan**



**#1000 - Islander**



**Custom Curb Notch**



**Anti-Terrorism**



# VERTICAL PIVOT GATE SYSTEM

## MODEL VPG2490

## SPECIFICATIONS

### General Information

**UL 325 7th Ed. Listed & CAN/CSA C22.2 No. 247-14 Listed**  
**Rated for Continuous Duty Cycling**

**Power Supply Options:** 120VAC—Single Phase, 20 Amp Service. 240VAC—Single Phase, 10 Amp Service. Solar.

**Batteries & Charging System:** Built-in Battery Backup. Two 12v Batteries Required (Field Supplied). Recommended Batteries: Group 24, Sealed Marine Starting

**Gate Limit/Position Sensor (LPS):** Combined Type "A" Entrapment protection. Open and Close Limit Position.

**Open/Closing Speed:** 10-12 seconds Std. Oversized gate speed of 14-16.

**Shipping Weight:** Typical VPG2490 Operator with 6' high x 20' long picket style gate = 1,500 - 1,800 lbs.

**Warranty:** Residential (5 years), Industrial/Commercial (3 years) from date of shipment on manufactured components workmanship. Purchased components and accessories are covered under their respective warranties. (See full warranty for details)

**Optional Accessories:** Solar Panels, Gear Motor Heater, Extreme Cold Package, MUTCD Reflective Tape, LED Warning lights, Audible Devices, and Emergency Access Systems (SOS, Opticom, Click to Enter, Key Box/Switch, etc.)

### Motor & Drive System

**RAD (Right Angle Drive):** 1/2 HP, Gear Type, Right Angle Locking Worm Drive. Equipped with disengage lever for Manual Operation.

Dual Belt/High torque reduction system, Counter Balanced, Transport Maintenance pin (T/M) used for transport, maintenance to negate movement of gate panel).

### Operator

**Construction:** Frame - 2" Sq., 11 Ga. (.120). Mounting pads—304 SS. Skins - 18 Ga. Galvaneal.

**Gate Mounting Hardware:** 304 Stainless Steel

**Operator size:** 68" Length, 53" Height, 30" Width

**Paint:** Standard Color - Black, powder coated. Spray applied colors are Commercial Coating 2-part High Solids Polyurethane. **Standard Spray Colors:** White, Brown, Green, and Gray. Custom colors available.

### Genesis™ Control Board

Solid State coated programmable control board in an NEMA 4 electrical enclosure (Tested to -40° F).

**Security Breach Protection:** Built in 24V brake when A/C or battery is present. Optional internal locking Solenoid mechanism.

**Monitored Inputs:** Open - 2 inputs, Close - 2 inputs with an (2) additional programmable inputs for Open or Close.

**Programmable Inputs, Outputs, & Relays:** The board has 2 programmable inputs, 2 programmable outputs, and 2 built in relays for configuration and integration.

**Control Wiring:** 16 & 18 Ga. Single conductor. Copper with electronic compression terminals tin-plated for max corrosion prevention.

**Dual Gate Operation:** Programing allows for dual gate operation and Sally-Port configuration.

**Delayed Closing:** Programmable from 0 - 90 seconds.

**Preemptive outputs:** 1 - 5 seconds before gate moves.

### Gate Construction

**Gate Construction:** 10' - 20' - 2" Sq., 11 Ga. (.120) Steel Tubing. Over 20' - 2 1/2" Sq., 7 Ga. (.187) Aluminum Tubing.

**Gate Lengths:** 10' - 25' (Consult factor for over 25')

**Gate Heights:** 4' - 8' from pad grade. Consult factory for gates over 8' high as they require special crating and freight arrangements.

**Picket Construction:** Steel—3/4" Sq. 18 Ga. Galvanized Tubing is standard. Aluminum—3/4" Sq. 1/8" wall is standard. Note: Contact factory for special sizes, spacing, and custom materials.

**Chain Link Construction:** 2 3/8" Sch. 40, 20 & 2" x .065" Galv. Steel Tubing 9 Ga. Galv. Fabric (12' up to 22'). 2 3/8" Sch. 80, 40 & 2" x 1/8" 6061 Alum. Tubing 9 Ga. Alum Fabric (over 22' to 25').

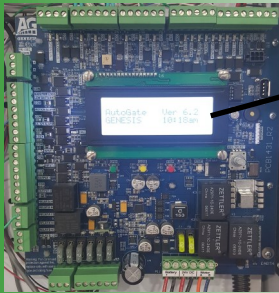
**Wind Bracing:** Cable -75 mph design, 1/4" coated aircraft cable (16' 20' gates). Rigid Masted - Gates over 20' or certain heights and materials. Compliant with IBC Section 1609.6 Simplified Wind Load Method for 90 mph wind loading and the 150 mph hurricane wind loading.

**Paint:** Spray applied colors are Commercial Coating 2-part High Solids Polyurethane. **Standard Spray Colors:** Black, White, Brown, Green, and Gray. Custom colors available. **Powder coating available:** Max length of 25' and max height of 7'.





## Genesis™ Control Board



AutoGate Ver. 5.6  
GENESIS 01:22am

Line Voltage 25.39\*  
Batt Voltage 26.67  
Motor 0.00 Amps  
Cycles 0 T=00

**LED Diagnostics Display for easy installation, configuration, and troubleshooting and user feedback**

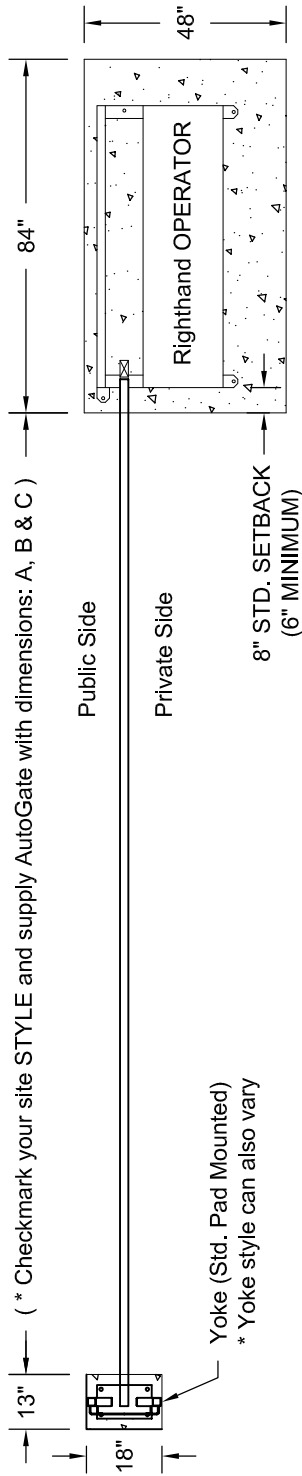
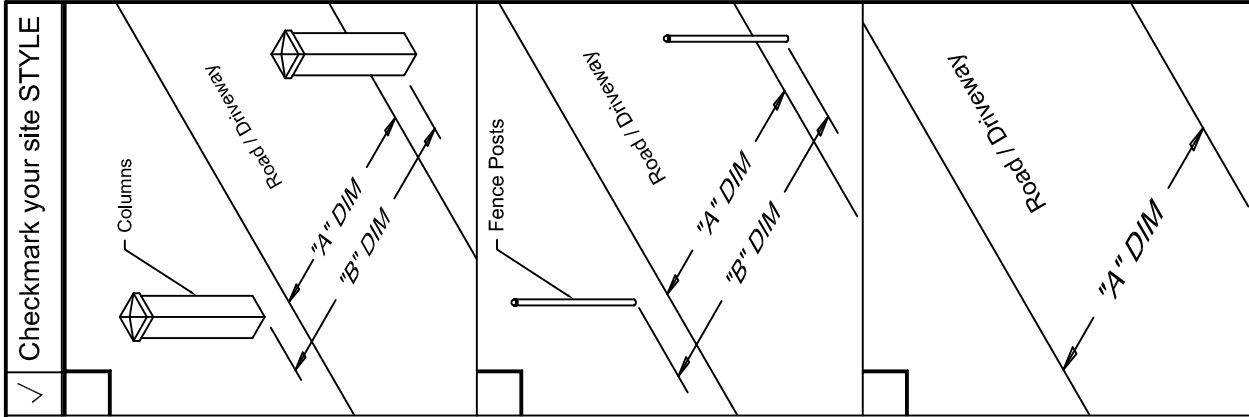
Security Breach Monitoring	USB connection to laptop/tablet/cell phone
6 inputs for Open/Closed Monitored Entrapment Protection devices	2 programmable Inputs, 2 programmable outputs, and 2 programmable relays
0 to 90 seconds programmable delayed closing	1 to 5 seconds preemptive gate movement output to any external device (lights, audible devices, mag-locks, etc.)
Surge Protection	Operation Log of last 99 events. Fault Log of last 99 events
Fire and emergency access control inputs	Adjustable speed control
Smart battery charging system	Programmable dual gate or sequenced gate integration.

## Power Options

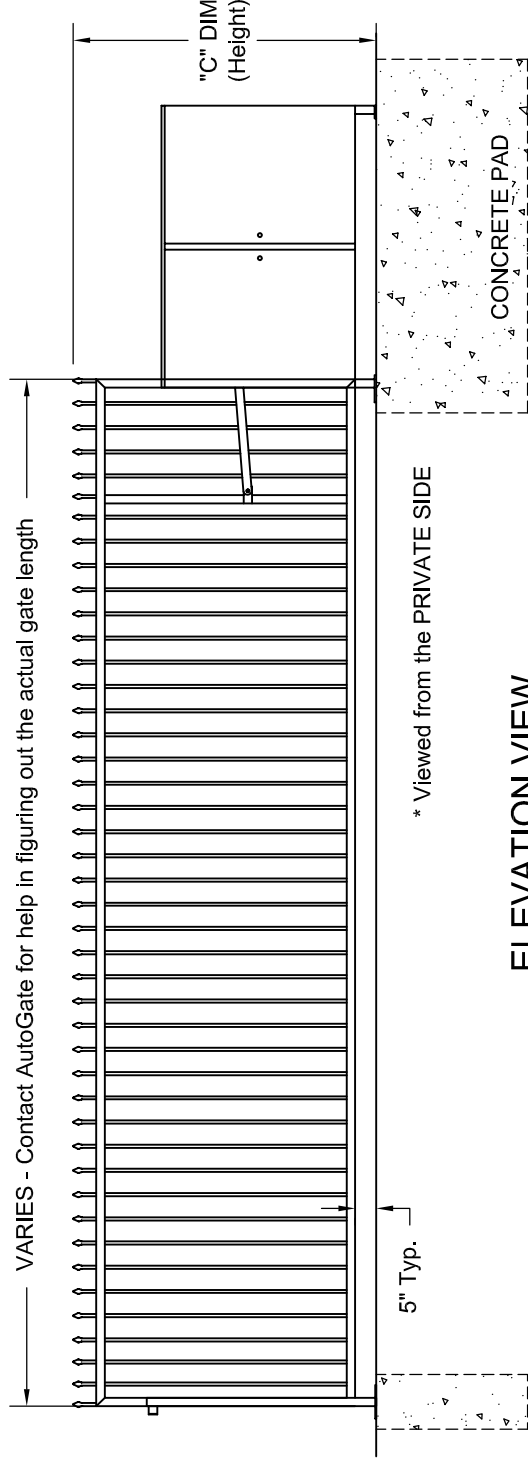
120 VAC, Single Phase 20 Amp Service	240 VAC, Single Phase 10 Amp Service	Solar with controller built into Genesis™
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AutoGate, Inc. 7306 Driver Rd., Berlin Heights OH 44814  
(800) 944-4283 [www.AutoGate.com](http://www.AutoGate.com) [Sales@AutoGate.com](mailto:Sales@AutoGate.com)





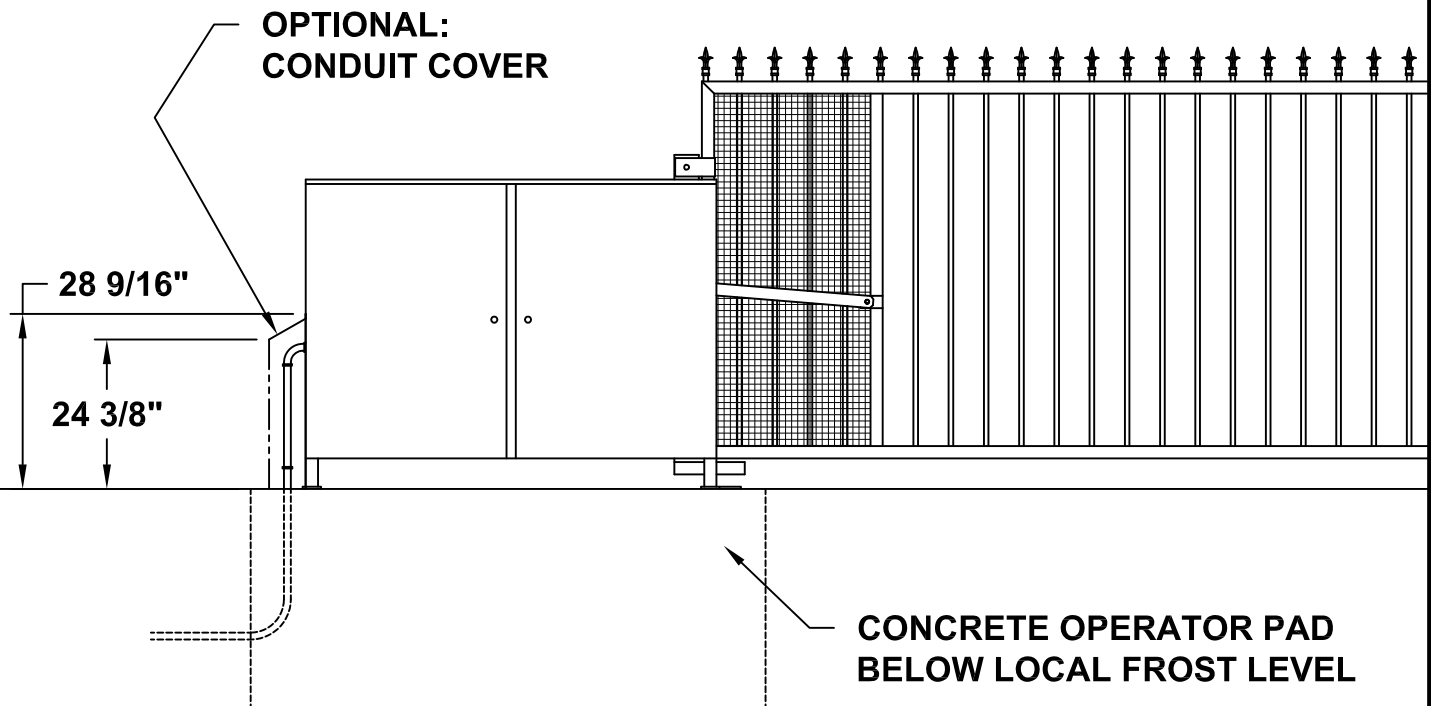
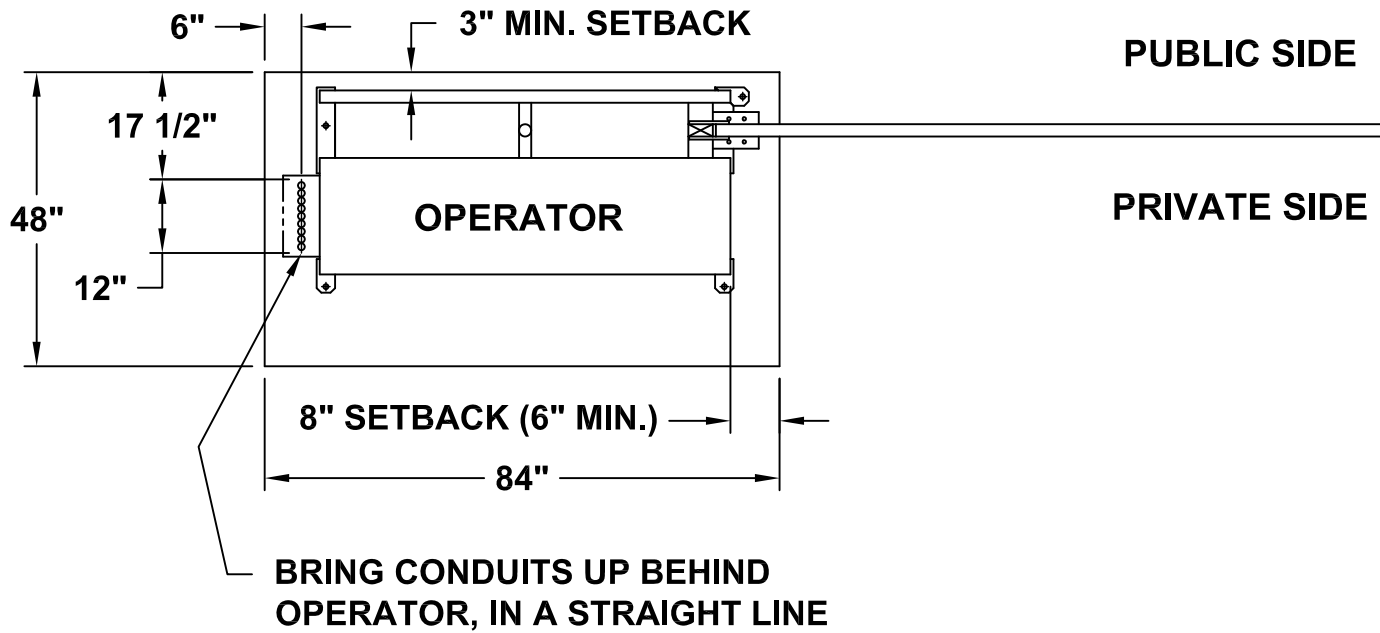
## PLAN VIEW




## ELEVATION VIEW

\* Note: The customer is responsible for indicating (to AutoGate) any variance in the road or driveway grading. If the road has curbs, or any slope in the grade, print out and fill in dimensions on: Dwg. # 120, 121 or 122.

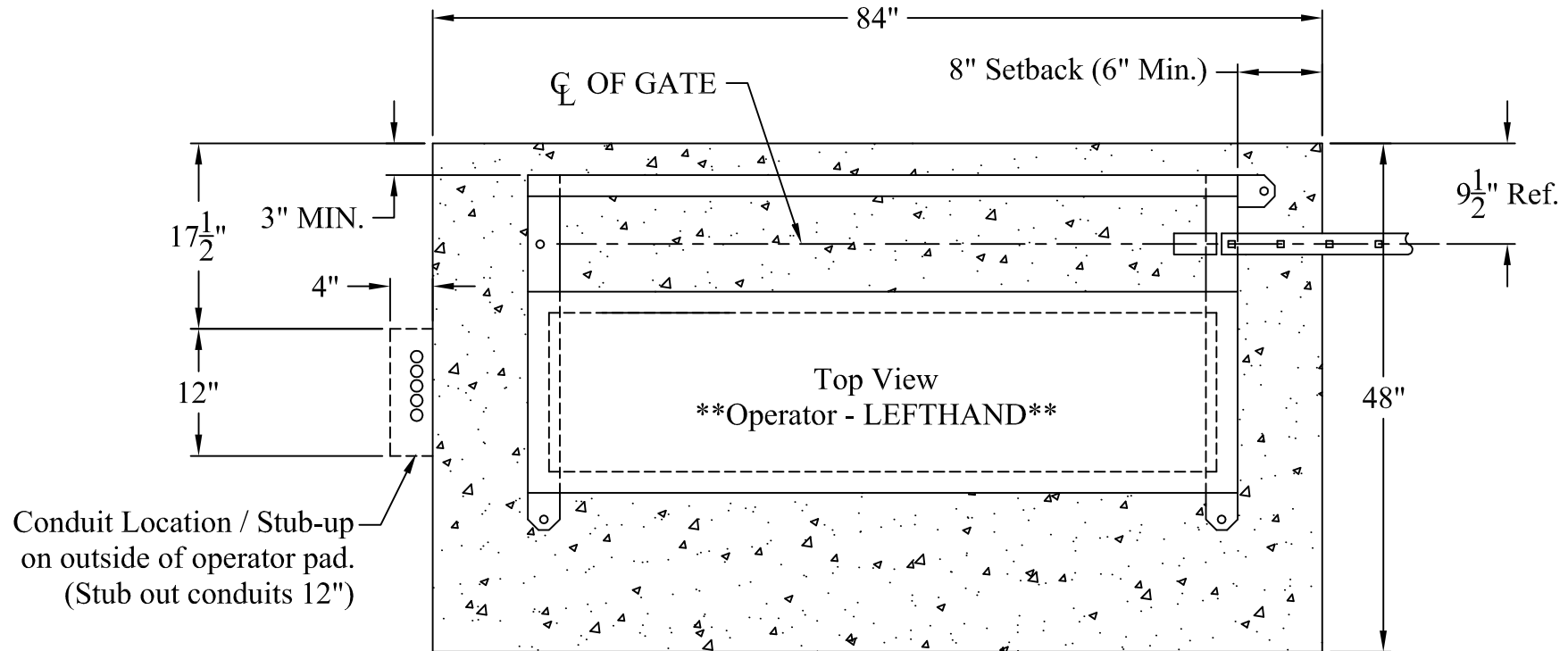
Date: 06/02/06	AutoGate Gate Entry Systems Berlin Heights, Ohio FAX (419) 588-3514	
Dm. By: MKS		
Ckd. By:		
Dwg.: 123		
Title: Right-hand VPL Profile (No Curbs or Slopes)		



<div>DO NOT SCALE</div>			<div>NOTICE</div> <div>THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONFIDENTIAL. ANY DISSEMINATION, UNAPPROVED DISCLOSURE OR COPYING OF THIS INFORMATION IS STRICTLY PROHIBITED</div>	<div>Date: 04/26/10</div> <div>Drn. By: MKS</div> <div>Ckd. By: .</div>	<div><div><div>AutoGate</div><div>Gate Entry Systems</div><div>Berlin Heights, Ohio FAX (419) 588-3514</div></div></div>
			<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ± 1° X/X ± 1/32, .XX ± .01, .XXX ± .005</div>	<div>Dwg.: Conduits In Pad</div> <div>Title: Conduits in Pad</div>	
<div>Rev. No.:</div> <div><div><div>.</div><div>.</div><div>.</div></div></div>	<div>Revisions:</div> <div><div><div>.</div><div>.</div><div>.</div></div></div>	<div>Date:</div> <div><div><div>.</div><div>.</div><div>.</div></div></div>			

# LEFTHAND OPERATOR

Public Side



\* Note: Use 3/4" Conduit Only

Private/Secured Side

## Possible Conduits:

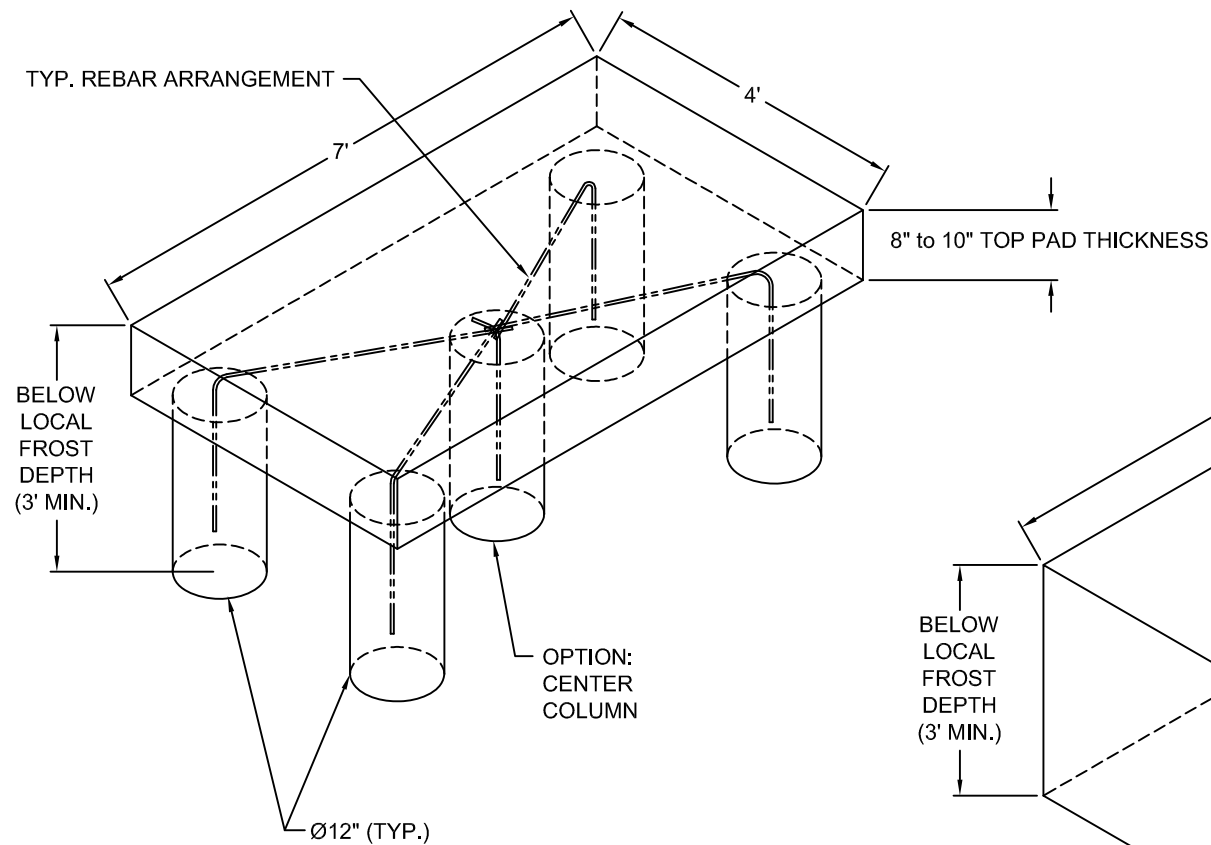
- \* 120 vac, min. 15 amp circuit
- \* "Entrance" Keypad
- \* "Exit" Keypad
- \* Reversing/Safety Loops
- \* Free Exit Loop
- \* Office Communication
- \* IFR Beam Power
- \* Optional Spares

DO NOT SCALE			NOTICE		Date: 12/07/05
Rev.:	Description:	Date:	THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONFIDENTIAL. ANY DISSEMINATION, UNAPPROVED DISCLOSURE OR COPYING OF THIS INFORMATION IS STRICTLY PROHIBITED.		Drn. By: MKS
A	Conduit locations were moved outside the pad	07/18/08 MS			Supercedes: 8/10/05
					Dwg.: 102C-L
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ± 1° X/X ± 1/32, .XX ± .01, .XXX ± .005		Title: Lefthand Conduit Pad Location



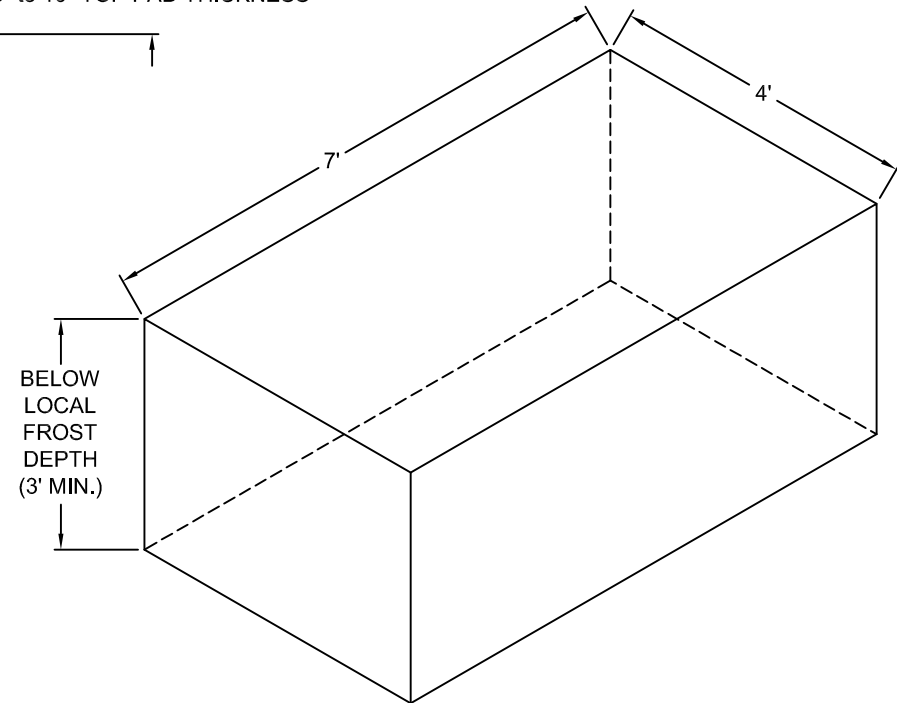
## OPTION #1:

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




## OPTION #2:

FULL CONCRETE PAD WITH RE-BAR WHERE APPLICABLE

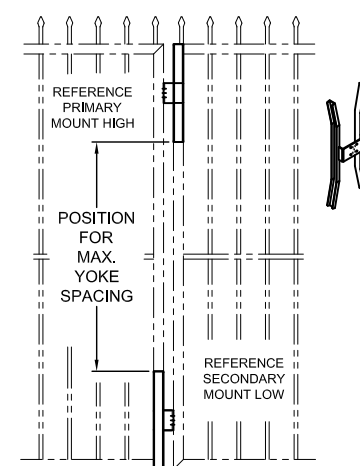


### NOTES:

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

Date: 12/21/05	 <b>AutoGate</b> <i>Gate Entry Systems</i> Berlin Heights, Ohio FAX (419) 588-3514	
Dwn. By: MKS		
Supercedes: 7/12/04		
Dwg.: 102-P		
Title: Operator PAD Layout / Options		

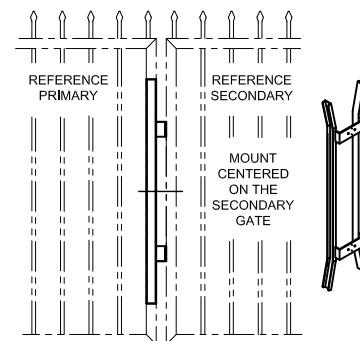




**STYLE 'DUAL SPLIT'**  
FOR DUAL GATES 8' AND TALLER  
MOUNT HIGH ON PRIMARY, LOW ON SECONDARY  
(UNLESS OTHERWISE SPECIFIED)



RIGHTHAND




**STYLE 'DUAL CENTER'**  
FOR DUAL GATES SHORTER THAN 8'  
MOUNTED ON THE SECONDARY GATE  
(UNLESS OTHERWISE SPECIFIED)

**NOTES:**

- \* STANDARD PAD AND POST MOUNTED YOKES ARE 5" TALL.
- \* STYLES 'G' AND 'BARRACUDA' RECESS ADDITIONAL 36" BELOW GRADE.
- \* STYLES 'A', 'B', 'C', 'D' & 'H' ARE MOUNTED 5" ABOVE GRADE.
- \* UNLESS SPECIFIED, GATE IS FURNISHED WITH STYLE 'E'.
- \* PRIMARY AND SECONDARY YOKE CONFIGURATION BASED ON HEIGHT.

Rev.:	Description:	Date:	Drn. By:	Ckd. By:
E	STYLE 'DUAL CENTER' WAS MOUNTED ON PRIMARY GATE	02/09/17	MKS	KAY
D	RE-ARRANGED ALL & ADDED DUAL STYLE YOKES	11/25/14	KAY	DMR

Rev.:	Description:	Date:	Drn. By:	Ckd. By:
C	ADDED "DA5" STYLE YOKE (DOUBLE PAD MOUNTED)	07/01/14	MKS	EGS
B2	ADDED "H" STYLE YOKE	01/17/13	SLD	KLL
B1	ADDED BARRACUDA STYLE YOKE	01/17/13	SLD	SLD
A	ADDED FLATBAR TO STYLE "B" YOKE	08/27/10	MKS	DMR

	<b>NOTICE</b>	Date: 12/21/05		<b>AutoGate</b> <i>Gate Entry Systems</i> Berlin Heights, Ohio FAX (419) 588-3514
E	THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONFIDENTIAL. ANY DISSEMINATION, UNAPPROVED DISCLOSURE OR COPYING OF THIS INFORMATION IS STRICTLY PROHIBITED.	Dm. By: MKS		
y:		Ckd. By: DMR		
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ± 1° XXX ± 1/32 .XX ± .01 .XXX ± .005	Dwg.: 105 YOKE STYLES		
		Title: YOKE STYLES (5' STANDARD)		