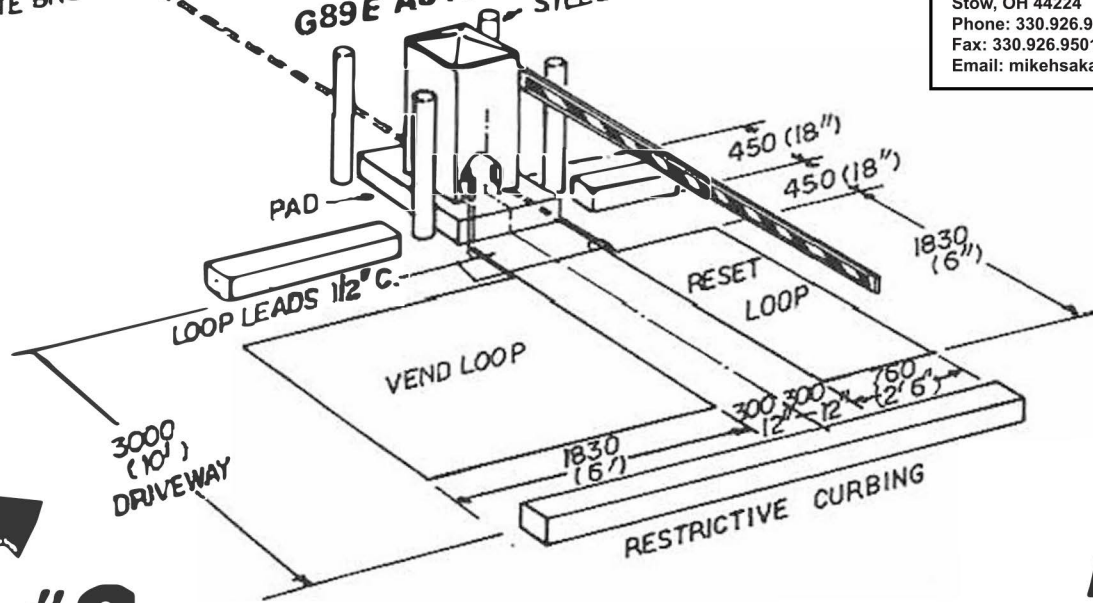TO POWER SUPPLY
120 VAC. @ 15 AMP.
SEPARATE BREAKER

G89E AUTO GATE   STEEL GUARD POST

Flexible Arms Ltd.
883 Hampshire Road
Suite C
Stow, OH 44224
Phone: 330.926.9115   216.662.5574
Fax: 330.926.9501
Email: mikehsakai@gmail.com

450 (18")
450 (18")
1830 (6")

PAD

LOOP LEADS 1½' C.

RESET LOOP

VEND LOOP

300 300 760 (2'6")
12" 12"

1830 (6")

3000 (10') DRIVEWAY

RESTRICTIVE CURBING

SL #3

FREE
IN OR OUT

TO POWER SUPPLY
120 VAC. @ 15AMP.
SEPARATE BREAKER

G89E AUTOGATE

STEEL GUARD POST

Flexible Arms Ltd.
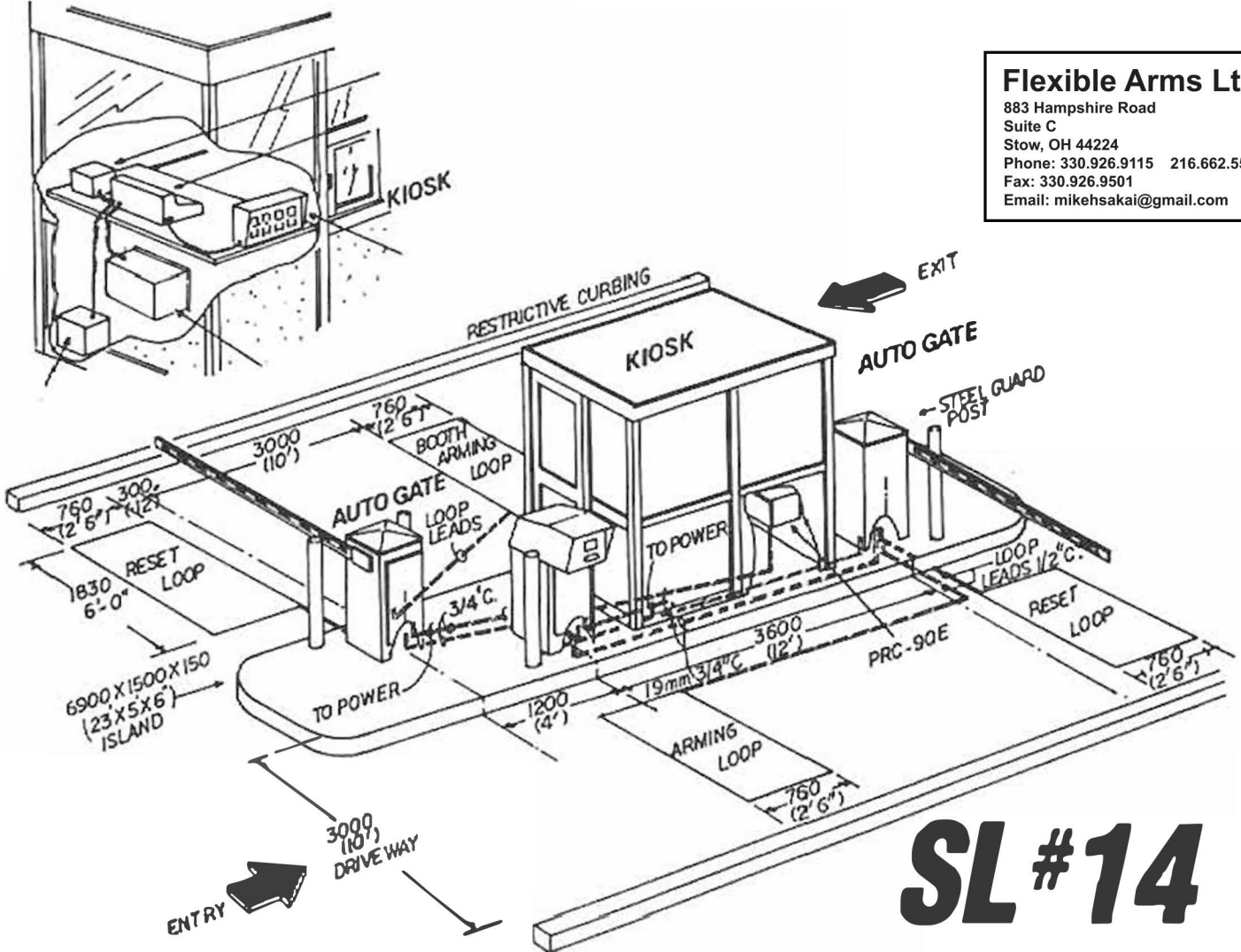883 Hampshire Road
Suite C
Stow, OH 44224
Phone: 330.926.9115   216.662.5574
Fax: 330.926.9501
Email: mikehsakai@gmail.com

CARD READER

7500 X 900 X 150
(25' x 3' x 6) ISLAND

19mm (3/4")
CONDUIT

LOOP LEADS 1/2"C.

VEND LOOP

RESET
LOOP

1830
(6')

3000
(10'-0")

76 (3")

760
(2'- 6")

600
(2'6")

3000
(10')
DRIVEWAY

RESTRICTIVE CURBING6

SL #8

CARD IN /
FREE OUT

Flexible Arms Ltd.
883 Hampshire Road
Suite C
Stow, OH 44224
Phone: 330.926.9115   216.662.5574
Fax: 330.926.9501
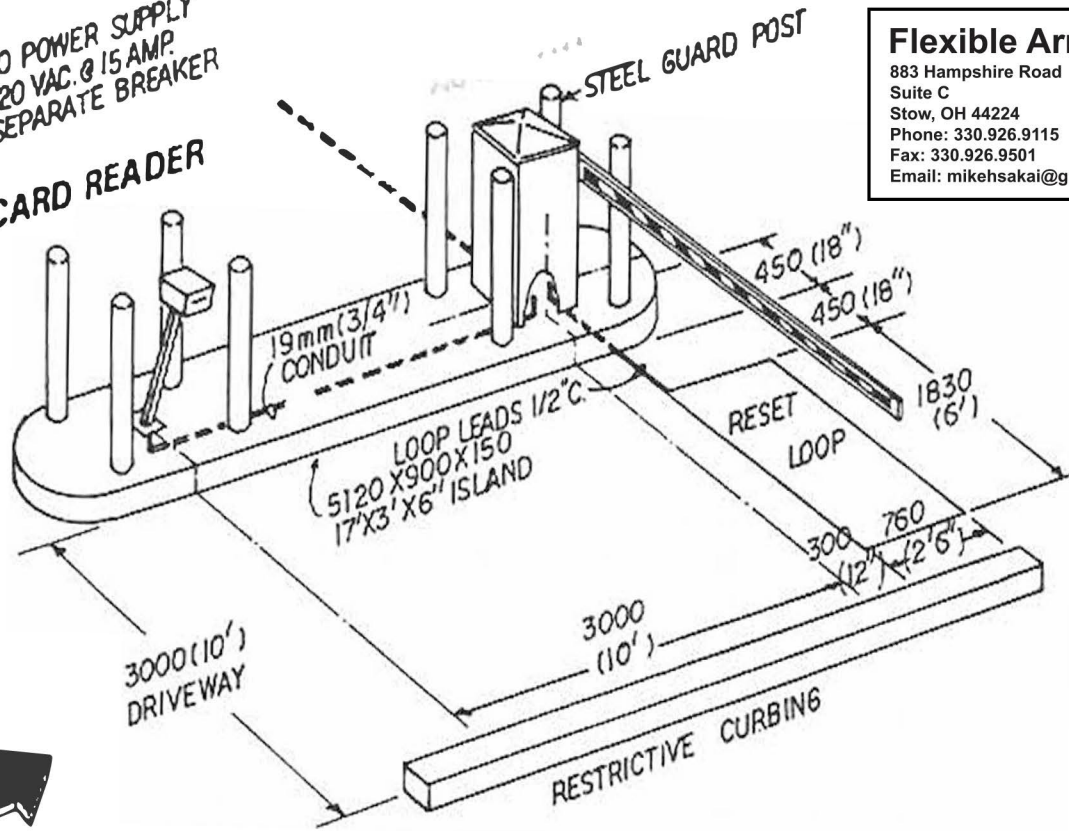Email: mikehsakai@gmail.com

KIOSK

EXIT

AUTO GATE

STEEL GUARD POST

RESTRICTIVE CURBING

KIOSK

BOOTH
ARMING
LOOP

3000
(10')

760
(2'6")

AUTO GATE

LOOP
LEADS

TO POWER

LOOP
LEADS 1/2" C.

760   300
(2'6")   (1')

RESET
LOOP

830
6'-0"

RESET
LOOP

3/4"C.

760
(2'6")

6900X1500X150
(23X5X6')
ISLAND

TO POWER

1200
(4')

19mm 3/4"C.

3600
(12')

PRC-90E

ARMING
LOOP

760
(2'6")

3000
(10')
DRIVE WAY

ENTRY

SL #14

TO POWER SUPPLY
120 VAC. @ 15 AMP.
SEPARATE BREAKER

CARD READER

STEEL GUARD POST

450 (18")

450 (18")

19mm (3/4")
CONDUIT

1830
(6')

LOOP LEADS 1/2"C.
5120 X900 X150
17'X3' X6' ISLAND

RESET

LOOP

300   760
(12") (2'6")

3000 (10')
DRIVEWAY

3000
(10')

RESTRICTIVE CURBING6

SL #5

CARD
IN OR OUT

CARD READER

G89E

760 (2'6")
900 (3')
900 (3')
760 (2'6")

SAFETY /RESET LOOP

SAFETY LOOP

3000 (10') DRIVEWAY

1830 (6')

LOOP LEADS 1/2"C.

SLIDE GATE OPERATOR

L.L.

19mm (3/4")

19mm (3/4") CONDUIT

3000 (10')

1200 (4')

TO POWER SUPPLY SEPARATE BREAKER (SPECIFY VOLTAGE) (CONSULT CPE)

TO POWER SUPPLY 120 VAC. @ 15 AMP SEPARATE BREAKER
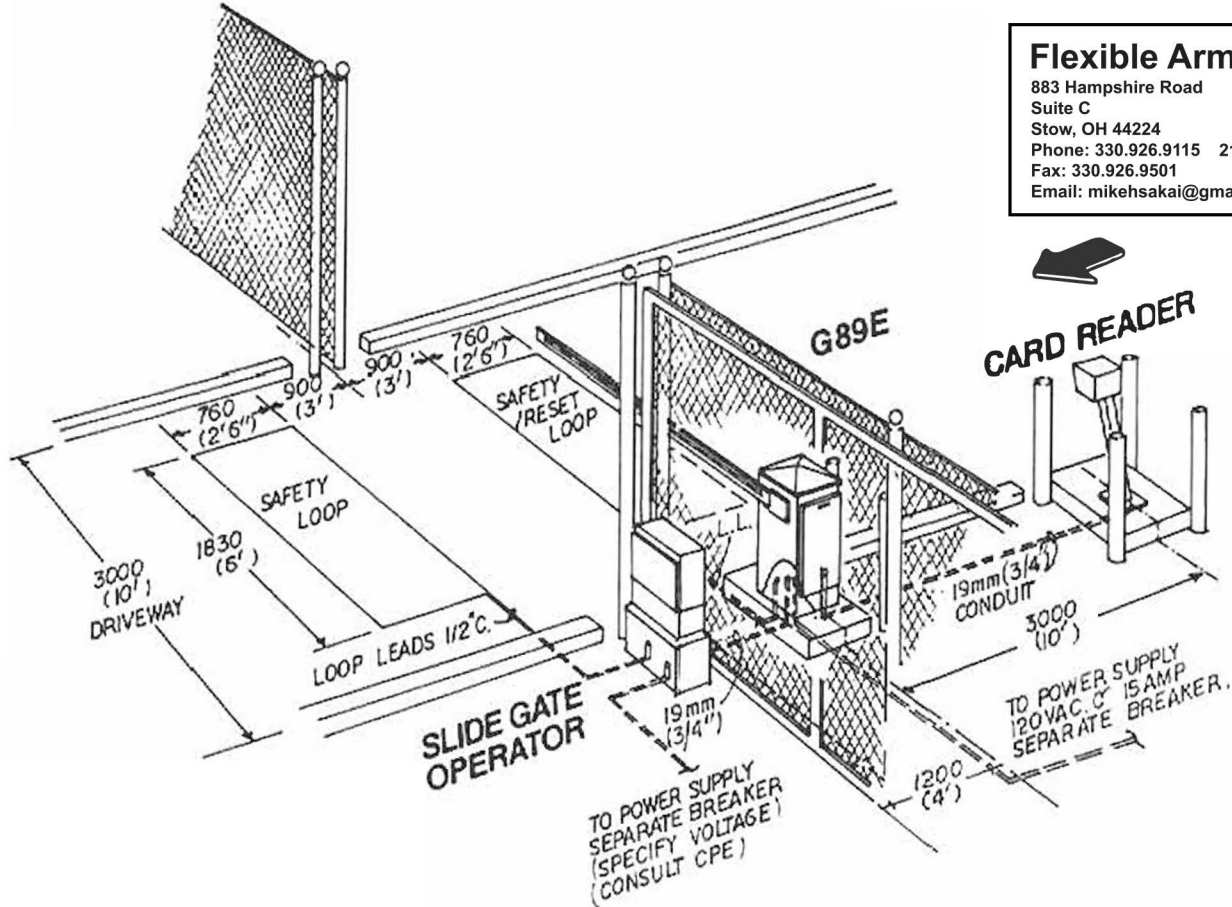
SL #15   DUAL SECURITY CONTROLLED CARD IN / ONE-WAY ONLY OR OPTIONAL FREE EXIT

## Important Information for Gate System Owners & Users

/ARNING: To reduce the risk of serious injury or death, read and follow all instructions in the gate operator handbook and on the warning labels.

Save These Important Owner and User Instructions:
(Installers – be certain to instruct the owners and users about the following items)

- Automatic gates are for vehicular use onlyl Provide walkways and signs to direct pedestrians to a separate walk-through entrance. Because an automatic gate can start at any time without warning, ALWAYS KEEP PEOPLE AWAY FROM THE AREA OF THE GATE. The Warning labels that have been supplied with this operator must remain installed, in manner clearly visible, on both sides of the gate.

- Never allow children to use or play with controls that operate the gate. Keep all remote controls, especially radio transmitters, away from children.

- Teach all users how to turn off the electric power and how to release and move the gate manually. Use the manual release only when the gate is not moving.

- KEEP AUTOMATIC GATES PROPERLY MAINTAINED. Have a professional gate installer perform routine tests of the entrapment protection sensors, such as photo eyes and gate edges.

Typical System Schematic for a Barrier Gate

inside

outside
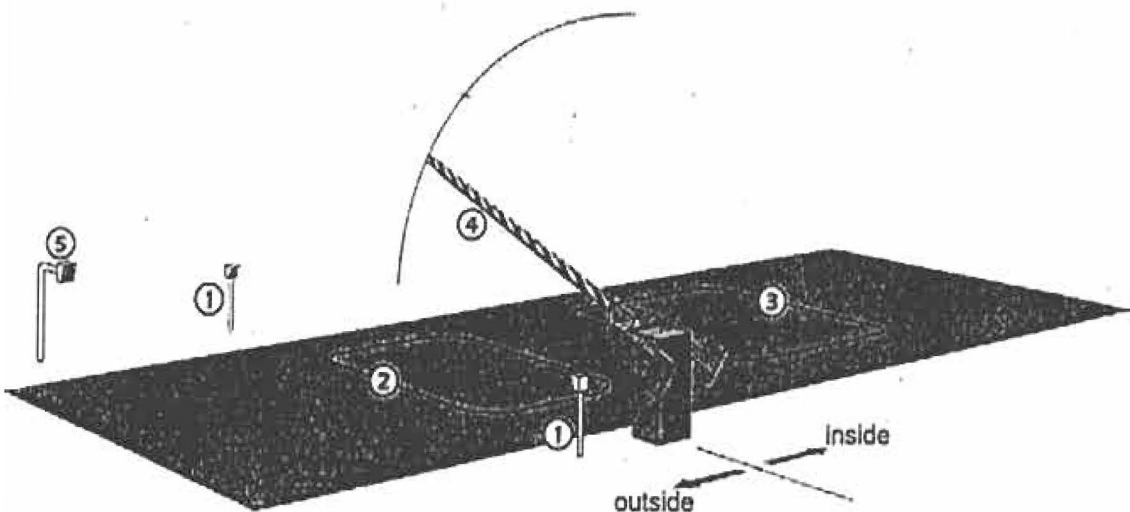
The following is a sample plan that incorporates the common elements of a typical bi-directional automatic barrier arm gate.

1. A Photo eye helps to protect pedestrians that may stray into the path of the barrier arm.
2. An in ground vehicle sensing loop (reset function) to control closure, so that arm closes immediately when a vehicle clears the barrier arm path.
3. An in ground vehicle sensing loop (free exit) activates the gate to open automatically from the inside.
4. Edge sensor to re-open the arm if an obstruction is encountered.
5. Gate entry device (card reader, telephone entry, keypad, etc) opens the gate after proper input from vehicle driver.
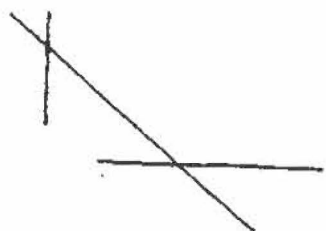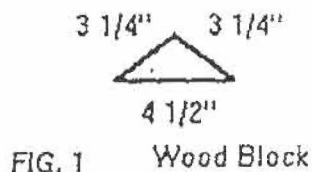
INSTALLATION TIPS

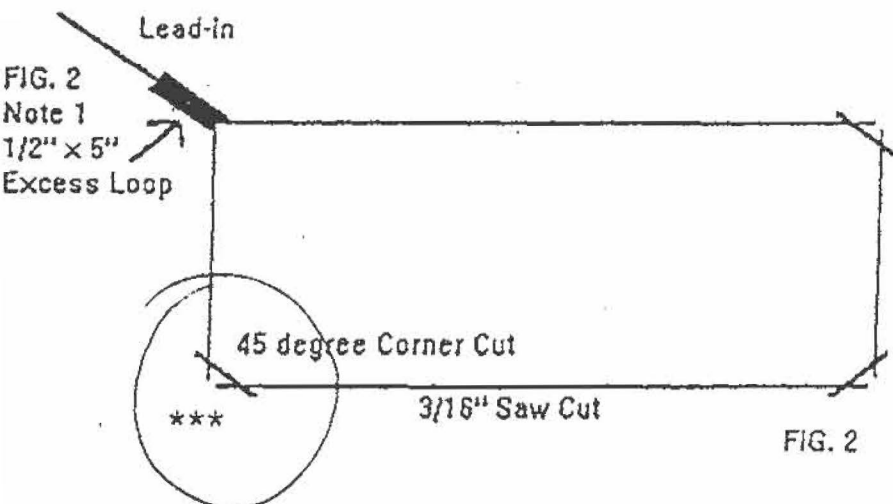## Preformed Saw Cut Loop

Mark out Loop Area to size of loop being used. An exact measure and saw cut is not mandatory. The more accurate, the easier to install. As an example, using a P-NL8-18 with a 20' Lead-In (2' X 6'), mark area using a yellow construction crayon to exactly 2' X 6'. For the 45 degree corner cut, you may want to precut a block of wood 3¼" X 3¼".X 4½". Using this triangle of wood, go to all three corners of loop opposite of lead-i corner and mark as shown (FIG 2). At corner without 45 degree corner cut, mark your lead-in cut over to its destination. Where lead-in cut intersects corner of loop (FIG 2 Note 1) maneuver saw to widen this cut to approximately 1/2" wide by approximately 5" long. You will use this wider cut to tuck in any excess loop which may be left over. You may fold or lap the excess loop in this wider cut without causing damage or changing the efficiency of the loop. Caution should be used not to make an extremely tight fold in the loop as this could cause the insulation or wires to break.

** Saw cut using a 3/16" saw blade, wider if you prefer. Set depth to a minimum of 1" deep (14GA wire may require a ¼" blade and 1½" deep cut). Do not let corners intersect when sawing. When sawing 45 degree corner cuts, saw approximately 1" to 1½" past loop sides. This will maintain saw cut depth at 45 degree turn. Use vacuum or air compressor to clean out saw cut.

Insert loop and lead-in. Do not use metal objects to push loop in saw cut. A tongue depressor works well. Lastly, seal with a proper loop sealant.

*Make sure loop is thoroughly encased in sealant

**Our standard Loop is 18GA

FIG. 2
Note 1
1/2" × 5"
Excess Loop

Lead-in

45 degree Corner Cut

3/16" Saw Cut

***

FIG. 2

3 1/4"   3 1/4"
4 1/2"
FIG. 1   Wood Block

*** Corners should Not intersect