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w/4' Loops for Normal Vehicles

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w/Left-Hand Operator Mount
w/4' Loops for Normal Vehicles

GENERAL NOTES
- Automated vehicular gates shall be designed and installed to be in strict compliance with the UL 325 Safety Standard and the ASTM F2200 Construction Standard.
- Automated vehicular gates that do not meet the requirements of these standards shall not be allowed.
- This drawing is for the sole purpose of general gate operator footprint and location, photo beam coverage and placement, and vehicular loop dimensions and placement. Drawings are not all inclusive or guaranteed to scale.
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- Proper lane identification and vehicular direction signs should be highly visible upon entry onto the property.
- Gate dimensions, posts, guide rollers, photo beams, reversing edges, hinges, and other gate hardware may vary in size, dimension, and placement and should not be used as an exact reference.
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CONTENTS
NOT TO SCALE

DoorKing, Inc.
120 Glasgow Avenue
Inglewood, California 90301
Phone Contact: 310-645-0023
Website: www.doorking.com
Email: ghendrix@doorking.com
CLOSED GATE

If distance is more than 4 inches, entrapment prevention for this area is required. ASTM F2200 7.1.1.1

If distance is less than 16 inches, entrapment prevention for this area is required. ASTM F2200 7.1.1.2

REVERSING EDGE

PHOTO-BEAM

PICKET SPACING WILL VARY DESIGN AND

VEHICLE LANE

CONCRETE PAD

6500

SIDE VIEW

FRONT VIEW

TOP VIEW

REVERSING EDGE ON LEADING EDGE

The local frost line depth and local electrical /building codes may require the concrete pad be deeper than the 30" minimum.
If the gap between the bottom of a moving gate and the ground is greater than 1-1/2mm (4 inches) and less than 406 mm (16 inches), therefore must be protected.

Photo-beams must extend to cover entire length of swing gate. Photo-beams must be 21" - 27.5 from within 5" of gate grade.
Gate Style = Single-leaf Swinging

DoorKing Model 6500
w/ One-Way Drive
w/ Access Device
w/ Left-Hand Operator Mount
w/ 4’ Loops for Normal Vehicles

Layout 2

Components:
- SL: Slide Gate Operator
- SW: Swing Gate Operator: DoorKing Model 6500
- PK: Parking Barrier Operator
- PB: Photo Beam: DoorKing Model 8080-xxx
- RE: Reversing Edge: DoorKing Model 8080-xxx
- VL: Vehicle Detecting Loop - DoorKing - Type 8402-xxx
- OD1: Opening Device 1: DoorKing DKProx Card Reader
- OD2: Opening Device 2:
- OD3: Opening Device 3:
- MP: Mounting Post: DoorKing Model 1200-xxx
- SP: Slide Gate Panel
- SWP: Swing Gate Panel
- GT: Gate Travel
- TS: Tail Section

UL 325 & ASTM F2200 SAFETY

LAYOUT_DESCRIPTION:

Gate Style = Single-leaf Swinging

DoorKing Model 6500
w/ One-Way Drive
w/ Access Device
w/ Left-Hand Operator Mount
w/ 4’ Loops for Normal Vehicles

Layout 2

REVERSING LOOP 4’ x 8’

SHADOW LOOP 4’ x 8’

REVERSING LOOP 4’ x 8’

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● Warning Signs must be installed and must be highly visible upon both entry and exit of the property, and must remain in place for the life of the gate operating system.

● Proper lane identification and vehicular direction signs should be highly visible upon entry onto the property.

● Gate dimensions, posts, guide rollers, photo beams, reversing edges, hinges, and other gate hardware may vary in size, dimension, and placement and should not be used as an exact reference.

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LAYOUT_DESCRIPTION

Gate Style = Single-leaf Swinging

DoorKing Model 6500
w/ One-Way Drive
w/ Access Device
w/ Left-Hand Operator Mount
w/ 4’ Loops for Normal Vehicles

Layout 2

REVERSING LOOP 4’ x 8’

SHADOW LOOP 4’ x 8’

REVERSING LOOP 4’ x 8’

120 Glasgow Avenue
Inglewood, California 90301
Phone Contact: 310-645-0023
Website: www.doorking.com
Email: ghendrix@doorking.com

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UL 325 & ASTM F2200 SAFETY
If the gap between the bottom of a moving gate and the ground is greater than 1-1/2mm (4 inches) and less than 406 mm (16 inches), therefore must be protected.

Photo-beams must extend to cover entire gate on outside of gate length of swing gate. This area is within 5" of grade.

 UL 325 & ASTM F2200 SAFETY Standard

LAYOUT DESCRIPTION: Gate Style = Single-leaf Swinging

DoorKing Model 6500 w/ One-Way Drive
w/ Free Exit
w/ Right-Hand Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 3

COMPONENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Model/Code</th>
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<tbody>
<tr>
<td>SW</td>
<td>Swing Gate Operator: DoorKing Model 6500</td>
</tr>
<tr>
<td>PK</td>
<td>Parking Barrier Operator</td>
</tr>
<tr>
<td>PB</td>
<td>Photo Beam: DoorKing Model 8080-0xx</td>
</tr>
<tr>
<td>RE</td>
<td>Reversing Edge: DoorKing Model 8080-0xx</td>
</tr>
<tr>
<td>VL</td>
<td>Vehicle Detecting Loop - DoorKing - Type 9402-xx</td>
</tr>
<tr>
<td>OD1</td>
<td>Opening Device 1: DoorKing DIOProx Card Reader</td>
</tr>
<tr>
<td>OD2</td>
<td>Opening Device 2:</td>
</tr>
<tr>
<td>OD3</td>
<td>Opening Device 3:</td>
</tr>
<tr>
<td>MP</td>
<td>Mounting Post: DoorKing Model 1200-xxx</td>
</tr>
<tr>
<td>SP</td>
<td>Slide Gate Panel</td>
</tr>
<tr>
<td>SWP</td>
<td>Swing Gate Panel</td>
</tr>
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<td>GT</td>
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<td>Tail Section</td>
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</tbody>
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- Working Signs must be installed and must be highly visible upon both entry and exit of the property, and must remain in place for the life of the gate operating system.
- Proper lane identification and vehicular direction signs should be highly visible upon entry onto the property.
- Gate dimensions, posts, guide rollers, photo beams, reversing edges, hinges, and other gate hardware may vary in size, dimension, and placement and should not be used as an exact reference.
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LAYOUT DESCRIPTION

Gate Style = Single-leaf Swinging

DoorKing Model 6500 w/ One-Way Drive
w/ Free Exit
w/ Right-Hand Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 3

NOT TO SCALE
**LAYOUT_DESCRIPTION:**

Gate Style = Single-leaf Swinging

DoorKing Model 6500
- w/ One-Way Drive
- w/ Free Exit
- w/ Left-Hand Operator Mount

w/ 4’ Loops for Normal Vehicles

**Components**

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**Contact Information**

Inglewood, California 90301
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Website: www.doorking.com
Email: ghendrix@doorking.com
If the gap between the bottom of a moving gate and the ground is greater than 1.1 mm (4 inches) and less than 406 mm (16 inches), this area is considered to be an entrapment zone and therefore must be protected.

Photo-beams must extend to cover entire gate, 21" - 27.5 from within 5" of grade. Gate should be highly visible upon entry onto the property, and must remain in place for the life of the gate operating system.

Gate dimensions, posts, guide rollers, photo beams, reversing edges, hinges, and other gate hardware may vary in size, dimension, and placement and should not be used as an exact reference.

Components:
- Slide Gate Operator: DoorKing Model 6500
- Swing Gate Operator: DoorKing Model 6500
- Parking Barrier Operator: DoorKing Model 6500
- Photo Beam: DoorKing Model 8080-0xx
- Reversing Edge: DoorKing Model 8080-0xx
- Opening Device 1: DoorKing DKProx Card Reader
- Opening Device 2: DoorKing Model 1200-xxx
- Opening Device 3: DoorKing Model 1200-xxx
- Mounting Post: DoorKing Model 1200-xxx
- Swing Gate Panel
- Slide Gate Panel
- Gate Travel
- Tail Section

General Notes:
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Layout Description:
Gate Style = Single-leaf Swinging
DoorKing Model 6500
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Right-Hand Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 5
Gate Style = Single-leaf Swinging
w/ 4' Loops for Normal Vehicles

- Gate dimensions, posts, guide rollers, photo beams, reversing edges, hinges, and other gate hardware may vary in size, dimension, and placement and should not be used as an exact reference.

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- Warning Signs must be installed and must be highly visible upon both entry and exit of the property, and must remain in place for the life of the gate operating system.

- Gate Style = Single-leaf Swinging
DoorKing Model 6500
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Left-Hand Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 6

UL 325 & ASTM F2200 SAFETY
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Gate Style = Single-leaf Swinging

Doorking Model 6500
w/ Two-Way Drive
w/ Entry Device & Free Exit
w/ Right-Hand Operator Mount
w/ 4 Loops for Normal Vehicles

Layout 7

UL 325 & ASTM F2200 SAFETY
The diagram illustrates a gate system layout with the following components:

- **Components**
  - SL: Slide Gate Operator
  - SW: Swing Gate Operator: DoorKing Model 6500
  - PK: Parking Barrier Operator
  - PB: Photo Beam: DoorKing Model 8080-0xx
  - RE: Reversing Edge: DoorKing Model 8080-0xx
  - VL: Vehicle Detecting Loop - DoorKing - Type 9402-xxx
  - MP: Mounting Post: DoorKing Model 1200-xxx
  - OD1: Opening Device 1: DoorKing DKProx Card Reader
  - OD2: Opening Device 2: DoorKing Swing Gate Panel
  - OD3: Opening Device 3: DoorKing Slide Gate Panel
  - GT: Gate Travel
  - TS: Tail Section

**LAYOUT_DESCRIPTION:**
- **Gate Style:** Single-leaf Swinging
- **DoorKing Model 6500**
- **w/ Two-Way Drive**
- **w/ Entry Device & Free Exit**
- **w/ Loops for Normal Vehicles**
- **Tail Section: 4’ x 8’ OPEN / EXIT LOOP**
- **REVERSING LOOP 4’ x 8’**
- **SHADOW LOOP 4’ x 8’**
- **Gate Dimensions:** 14’ x 8’
- **Gate Length:** 12’
- **Gate Height:** 8’

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Gate Style = Dual-leaf Swinging

DoorKing Model 6500
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Bi-parting Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 9

UL 325 & ASTM F2200 SAFETY

REVERSING LOOP
4' x 12'

SHADOW LOOP
4' x 12'

REVERSING LOOP
4' x 12'

LAYOUT_DESCRIPTION:

Gate Style = Dual-leaf Swinging

DoorKing Model 6500
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Bi-parting Operator Mount
w/ 4' Loops for Normal Vehicles
COMPONENTS

SL Slide Gate Operator
SW Swing Gate Operator: DoorKing Model 6500
PK Parking Barrier Operator
PB Photo Beam: DoorKing Model B600-0xx
RE Reversing Edge: DoorKing Model B600-0xx
VL Vehicle Detecting Loop: DoorKing - Type 9402-xxx
OD1 Opening Device 1: DoorKing DKProx Card Reader
OD2 Opening Device 2:
OD3 Opening Device 3:
MP Mounting Post: DoorKing Model 1200-xxx
SP Slide Gate Panel
SWP Swing Gate Panel
GT Gate Travel
TS Tail Section

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LAYOUT DESCRIPTION:

Gate Style = Dual-leaf Swinging
DoorKing Model 6500
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Bi-parting Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 10

UL 325 & ASTM F2200 SAFETY
COMPONENTS

VL Slide Gate Operator
SW Swing Gate Operator: DoorKing Model 6500
PK Parking Barrier Operator
PB Photo Beam: DoorKing Model 8080-0xx
RE Reversing Edge: DoorKing Model 8080-0xx
VL Vehicle Detecting Loop – DoorKing - Type 9402-xxx
OD1 Opening Device 1: DoorKing DKProx Card Reader
OD2 Opening Device 2: 
OD3 Opening Device 3: 
MP Mounting Post: DoorKing Model 1200-xxx
SP Slide Gate Panel
SWIP Swing Gate Panel
GT Gate Travel
TS Tail Section

GENERAL NOTES

- Automated vehicular gates shall be designed and installed to be in strict compliance with the UL 325 Safety Standard and the ASTM F2200 Construction Standard.
- Automated vehicular gates that do not meet the requirements of these standards shall not be allowed.
- This drawing is for the sole purpose of general gate operator footprint and location, photo beam coverage and placement, and vehicular loop dimensions and placement. Drawings are not all inclusive or guaranteed to scale.
- No considerations have been made for grade, existing public utilities, landscape, drainage, site peculiarities, or requirements by the authority having jurisdiction, ie; Fire Marshal, Building Inspector, Street and Alley Department.
- Warning Signs must be installed and must be highly visible upon both entry and exit of the property, and must remain in place for the life of the gate operating system.
- Property lane identification and vehicular direction signs should be highly visible upon entry onto the property.
- Gate dimensions, posts, guide rollers, photo beams, reversing edges, hinges, and other gate hardware may vary in size, dimension, and placement and should not be used as an exact reference.
- All loop sizing and placement dimensions indicated are solely intended for reference only, and not intended to be the final criteria for determining the loop sizing and placement on any automated vehicular gate project. DoorKing, Inc. does not assume responsibility or liability for any installation with regard to equipment/system malfunction, vehicle detector loop sizing and placement, or consequent damages or injuries caused thereby.
- DoorKing, Inc. does not assume responsibility or liability for the installation and unauthorized changes to the design and operation of equipment, or alterations to the final site plan.

LAYOUT_DESCRIPTION:

Gate Style = Single-leaf Swinging
DoorKing Model 6500
w/ One-Way Drive & Turn-around
w/ Telephone Entry System
w/ DoorKing Card Reader/Keypad
w/ Right-hand Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 11

UL 325 & ASTM F2200 SAFETY

If the gap between the bottom of a moving gate and the ground is greater than 1-1/2mm (4 inches) and less than 406 mm (16 inches), this area is considered to be an entrapment zone and therefore must be protected.
COMPONENTS

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL</td>
<td>Slide Gate Operator</td>
</tr>
<tr>
<td>SW</td>
<td>Swing Gate Operator DoorKing Model 8500</td>
</tr>
<tr>
<td>PK</td>
<td>Parking Barrier Operator</td>
</tr>
<tr>
<td>PB</td>
<td>Photo Beam, DoorKing Model 8600-0xx</td>
</tr>
<tr>
<td>RE</td>
<td>Reversing Edge, DoorKing Model 8080-0xx</td>
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<tr>
<td>VL</td>
<td>Vehicle Detecting Loop - DoorKing - Type 9402-0xx</td>
</tr>
<tr>
<td>OD1</td>
<td>Opening Device 1, DoorKing DKProx Card Reader</td>
</tr>
<tr>
<td>OD2</td>
<td>Opening Device 2</td>
</tr>
<tr>
<td>OD3</td>
<td>Opening Device 3</td>
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<tr>
<td>MP</td>
<td>Mounting Post, DoorKing Model 1200-xxx</td>
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<tr>
<td>SP</td>
<td>Slide Gate Panel</td>
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<tr>
<td>SWP</td>
<td>Swing Gate Panel</td>
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<tr>
<td>GT</td>
<td>Gate Travel</td>
</tr>
<tr>
<td>TS</td>
<td>Tail Section</td>
</tr>
</tbody>
</table>

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- Warning Signs must be installed and must be highly visible upon both entry and exit of the property, and must remain in place for the life of the gate operating system.
- Proper lane identification and vehicular direction signs should be highly visible upon entry onto the property.
- Gate dimensions, posts, guide rollers, photo beams, reversing edges, hinges, and other gate hardware may vary in size, dimension, and placement and should not be used as an exact reference.
- All loop sizing and placement dimensions indicated are solely intended for reference only, and not intended to be the final criterion for determining the loop sizing and placement on any automated vehicular gate project.
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- DoorKing, Inc does not assume responsibility or liability for the installation and unauthorized use of the equipment, or alterations to the final site plan.

LAYOUT_DESCRIPTION:

Gate Style = Single leaf Swinging

DoorKing Model 8500
w/ One-Way Drive & Off-set Turn-around
w/ Telephone Entry System
w/ DoorKing Card Reader/Keypad
w/ Left-hand Operator Mount
w/ 4 Loops for Normal Vehicles

Layout 12

UL 325 & ASTM F2200 SAFETY