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w/6' Loops for High Vehicles

DoorKing, Inc does not assume responsibility or liability for any installation with regard to
equipment/system malfunction, vehicle detector stop 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.

NOT TO SCALE

DoorKing Model 6550
Gate Style: Single-leaf Swing
w/Access Device
w/Left-Hand Operator Mount
w/6' Loops for High Vehicles

CONTENTS

DOCUMENT HISTORY

DATE OF ORIGIN/RELEASE: 05/22/2015

REV DESCRIPTION OF REVISION DATE
A UL 325 REVISIONS - UPDATES 03/31/2019

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, damage,
site peculiarities, or requirements by the authority having jurisdiction, ie: Fire Marshall,
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.

● 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
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,
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ASTM F2200 7.1.1.1
&
ASTM F2200 7.1.1.2

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LAYOUT_DESCRIPTION

ELEVATION VIEWS
COMPONENTS

SL Slide Gate Operator
SNY Swing Gate Operator: DoorKing Model 6550
PK Parking Barrier Operator
PB Photo Beam: DoorKing Model 8080-0xx
RE Reversing Edge: DoorKing Model 9000-0xx
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 = Single-leaf Swinging
DoorKing Model 6550
w/ One-Way Drive
w/ Access Device
w/ Right-Hand Operator Mount
w/ 6’ Loops for High Vehicles

Layout 1

UL 325 & ASTM F2200 SAFETY

If the gap between the bottom of a moving gate and the ground is greater than 1” (25mm) and less than 4” (100mm) this area is considered to be an entrapment zone and therefore must be protected.

PHOTO-BEAM
21” - 27.5 from grade within 5” of gate on outside of gate

24’

20.50

38.50

30.00
**COMPONENTS**

- **SL**: Slide Gate Operator
- **SW**: Swing Gate Operator: DoorKing Model 6550
- **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
- **SWP**: Swing Gate Panel
- **GT**: Gate Travel
- **TS**: Tail Section

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**GENERAL NOTES**

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- Warning Signs must be installed and must be visible from 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 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.
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**LAYOUT DESCRIPTION**

- Gate Style = Single-leaf Swinging
- DoorKing Model 6550
  - w/ One-Way Drive
  - w/ Access Device
  - w/ Left-Hand Operator Mount
  - w/ 6' Loops for High Vehicles

LAYOUT 2

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**PHOTO-BEAM**
- UL 325 & ASTM F2200 SAFETY

If the gap between the bottom of a moving gate and the ground is greater than 1-1mm (4 inches) and less than 406 mm (16 inches) this area is considered to be an entrapment zone and therefore must be protected.
Gate Style = Single-leaf Swinging

DoorKing Model 6550 w/ One-Way Drive
w/ Free Exit
w/ Right-Hand Operator Mount
w/ 6' Loops for High Vehicles

Components:
- SL: Slide Gate Operator
- SG: Swing Gate Operator: DoorKing Model 6550
- PK: Parking Barrier Operator
- RB: Reversing Edge: DoorKing Model 9080-0xx
- VL: Vehicle Detecting Loop - DoorKing - Type 9402-0xx
- OD1: Opening Device 1: DoorKing DKProx Card Reader
- OD2: Opening Device 2
- OD3: Opening Device 3
- MB: Mounting Post: DoorKing Model 1200-0xx
- SP: Slide Gate Panel
- SWP: 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.
- 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 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.
- Gate Style = Single-leaf Swinging

DOORKING®

120 Glasgow Avenue
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Website: www.doorking.com
Email: ghendrix@doorking.com

Layout Description:

If the gap between the bottom of a moving gate and the ground is greater than 1-1/4 inches (32mm) and less than 406 mm (16 inches), this area is considered to be an entrapment zone and therefore must be protected.

UL 325 & ASTM F2200 SAFETY

Layout Description:

Gate Style = Single-leaf Swinging

DoorKing Model 6550 w/ One-Way Drive
w/ Free Exit
w/ Right-Hand Operator Mount
w/ 6' Loops for High Vehicles

Layout 3

NOT TO SCALE
LAYOUT_DESCRIPTION

Gate Style = Single-leaf Swinging
DoorKing Model 6550
w/ One-Way Drive
w/ Left-Hand Operator Mount
w/ 6' Loops for High Vehicles
Layout 4

COMPONENTS

SL Slide Gate Operator:

SW Swing Gate Operator: DoorKing Model 6550

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

GP Slide Gate Panel

SWP Swing Gate Panel

GT Gate Travel

TS Tail Section

NOTE: All components must be UL or CSI certified.

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.

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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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LAYOUT_DESCRIPTION

LAYOUT 4

NOT TO SCALE
Gate Style = Single-leaf Swinging

DoorKing Model 6550 w/ Two-Way Drive w/ Entry & Exit Device w/ Right-Hand Operator Mount w/ 6' Loops for High Vehicles

COMPONENTS

SL  Slide Gate Operator
SNY  Swing Gate Operator: DoorKing Model 6550
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 DXProx 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

PHOTO-BEAM
21" - 27.5 from grade within 5" of gate on outside of gate

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

UL 325 & ASTM F2200 SAFETY

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

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.

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LAYOUT_DESCRIPTION

Gate Style = Single-leaf Swinging

DoorKing Model 6550 w/ Two-Way Drive
w/ Entry & Exit Device w/ Right-Hand Operator Mount w/ 6' Loops for High Vehicles

Layout 5
COMPONENTS

SL  Slide Gate Operator
SW  Swing Gate Operator: DoorKing Model 6550
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
SWP  Swing Gate Panel
GT  Gate Travel
TS  Tail Section

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LAYOUT DESCRIPTION

Gate Style = Single-leaf Swinging
DoorKing Model 6550
w/ Two-Way Drive
w/ Entry& Exit Device
w/ Left-Hand Operator Mount
w/ 6' Loops for High Vehicles

Layout 6

UL 325 & ASTM F2200 SAFETY
**Components**

- **SL** Slide Gate Operator
- **SN** Swing Gate Operator: DoorKing Model 6550
- **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
- **SWP** Swing Gate Panel
- **GT** Gate Travel
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**Layout Description:**

Gate Style = Single-leaf Swinging
DoorKing Model 6550
w/ Two-Way Drive
w/ Entry Device
w/ Right-Hand Operator Mount
w/ 6' Loops for High Vehicles

Layout 7

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

DoorKing Model 6550

w/ Two-Way Drive
w/ Entry Device
w/ Free Exit
w/ Left-Hand Operator Mount
w/ 6' Loops for High Vehicles

Layout 8
COMPONENTS

SL Slide Gate Operator
SW Swing Gate Operator: DoorKing Model 6550
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
SWP Swing Gate Panel
GT Gate Travel
TS Tail Section

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LAYOUT_DESCRIPTION: Gate Style = Dual-leaf Swinging
DoorKing Model 6550
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Bi-parting Operator Mount
w/ 6’ Loops for High Vehicles
Layout 9

UL 325 & ASTM F2200 SAFETY

PHOTO-BEAM 21” - 27.5 from grade within 5” of gate on outside of gate

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COMPONENTS

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- **SW**: Swing Gate Operator: DoorKing Model 6550
- **PK**: Parking Barrier Operator
- **PB**: Parking Barrier Operator: 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
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- **GT**: Gate Travel
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**LAYOUT_DESCRIPTION**

Gate Style = Dual-leaf Swinging
DoorKing Model 6550
w/ Two-Way Drive
w/ Entry Device
w/ Free Exit
w/ Bi-parting Operator Mount
w/ 6' Loops for High Vehicles

Layout 10
**COMPONENTS**

- SL  Slide Gate Operator
- SW  Swing Gate Operator: DoorKing Model 6550
- 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
- SWP  Swing Gate Panel
- GT  Gate Travel
- TS  Tail Section

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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. 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**

**LAYOUT 11**

**NOT TO SCALE**
LAYOUT_DESCRIPTION

Gate Style = Single-Leaf Swinging
DoorKing Model 6550 w/ One-Way Drive & Off-set Turn-around w/ Telephone Entry System w/ DoorKing Card Reader/Keypad w/ Right-hand Operator Mount w/ 6 Loops for High Vehicles

COMPONENTS

<table>
<thead>
<tr>
<th>SL</th>
<th>Slide Gate Operator: DoorKing Model 6550</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW</td>
<td>Swing Gate Operator: DoorKing Model 6550</td>
</tr>
<tr>
<td>PK</td>
<td>Parking Barrier Operator</td>
</tr>
<tr>
<td>PB</td>
<td>Photo Beam: DoorKing Model 8080-xxx</td>
</tr>
<tr>
<td>RE</td>
<td>Reversing Edge: DoorKing Model 8080-xxx</td>
</tr>
<tr>
<td>VL</td>
<td>Vehicle Detecting Loop - DoorKing - Type 9402-xxx</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>
</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>
<tr>
<td>GT</td>
<td>Gate Travel</td>
</tr>
<tr>
<td>TS</td>
<td>Tail Section</td>
</tr>
</tbody>
</table>

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.

UL 325 & ASTM F2200 SAFETY

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.
- The 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, drains, site peculiarities, or requirements by the authority having jurisdiction, ie; Fire Marshall, 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.
- Proper lane identification and vehicular directional 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. 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.
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LAYOUT_DESCRIPTION

LAYOUT 12

NTS
NOT TO SCALE

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