CONTENTS

DoorKing Model 6100 Swing Gate Elevation Drawings and Typical Lane Layouts with 4' Vehicle Loops for Normal Vehicles

Elevations Drawings
DoorKing Model 6100
Gate Style: Single-leaf Swing

Layout 1
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/One-Way Drive
w/Access Device
w/Left-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 2
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/One-Way Entrance Drive
w/Access Device
w/Left-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 3
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/One-Way Free Exit Drive
w/Right-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 4
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/One-Way Drive
w/Free Exit
w/Left-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 5
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/Two-Way Drive
w/Entry & Exit Device
w/Right-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 6
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/Two-Way Drive
w/Entry & Exit Device
w/Left-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 7
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/Two-Way Drive
w/Entry Device & Free Exit
w/Right-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 8
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/Two-Way Drive
w/Entry Device & Free Exit
w/Left-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 9
DoorKing Model 6100
Gate Style: Single-leaf Swing
w/Two-Way Drive
w/Entry & Exit Device
w/Bi-parting Operator Mount
w/4' Loops for Normal Vehicles

Layout 10
DoorKing Model 6100
Gate Style: Dual-leaf Swing
w/Two-Way Drive
w/Entry & Exit Device
w/Bi-parting Operator Mount
w/4' Loops for Normal Vehicles

Layout 11
DoorKing Model 6100
Gate Style: Dual-leaf Swing
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 12
DoorKing Model 6100
Gate Style: Dual-leaf Swing
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

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 foot-print 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 Marshall, Building Inspector, Street and Alley Departments.
- 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 are 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 spurious adverse 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.
Photo-beams must extend to cover entire length of swing 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

The local frost line depth and local electrical building codes may require the concrete pad to be deeper than the 36" minimum.
Gate Style: Single-leaf Swinging

DoorKing Model 6100
w/One-Way Drive
w/Access Device
w/Right-hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 1

COMPONENTS

SL Slide Gate Operator
SVS Swing Gate Operator: DoorKing Model 6100
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 DKBProx 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

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

PHOTO-BEAM LOCATION
MAXIMUM 27" FROM GRADE & WITHIN 5" OF GATE

GATE POST CONCRETE PAD

VEHICLE LANE

Photo-beams must extend to cover entire length of swing gate.

SWING GATE STYLE DESIGN AND PICKET SPACING WILL VARY

FALL-OVER PREVENTION STRAP

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

LAYOUT DESCRIPTION:

Gate Style: Single-leaf Swinging

DoorKing Model 6100
w/One-Way Drive
w/Access Device
w/Right-hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 1

LAYOUT_DESCRIPTION

LAYOUT 1

NTS
NOT TO SCALE

LAYOUT DESCRIPTION:

Gate Style: Single-leaf Swinging

DoorKing Model 6100
w/One-Way Drive
w/Access Device
w/Right-hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 1

LAYOUT_DESCRIPTION

LAYOUT 1

NTS
NOT TO SCALE

LAYOUT_DESCRIPTION:

Gate Style: Single-leaf Swinging

DoorKing Model 6100
w/One-Way Drive
w/Access Device
w/Right-hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 1

LAYOUT_DESCRIPTION

LAYOUT 1

NTS
NOT TO SCALE
COMPONENTS

SL  Slide Gate Operator
SW  Swing Gate Operator: DoorKing Model 6100
PK  Parking Barrier Operator
PB  Parking Barriers: 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:
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.
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LAYOUT_DESCRIPTION

Gate Style: Single-leaf Swinging
DoorKing Model 6100
w/One-Way Drive
w/Access Device
w/Left-Hand Operator Mount
w/4' Loops for Normal Vehicles

Layout 2

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

- **VL** Slide Gate Operator
- **SW** Swing Gate Operator: DoorKing Model 6100
- **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.
- **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**

- 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.

**NOT TO SCALE**

**GENERAL NOTES**

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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 into 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/machine 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 6100
w/One-Way Drive
w/Free Exit
w/Left-Hand Operator Mount
w/4’ Loops for Normal Vehicles

Layout 4

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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COMPONENTS
SL  Slide Gate Operator
SW  Swing Gate Operator: DoorKing Model 6100
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

COMPONENTS
COD1 Opening Device 1: DoorKing DKProx Card Reader
COD2 Opening Device 2
COD3 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

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.
LAYOUT DESCRIPTION:
Gate Style: Single-leaf Swinging
DoorKing Model 6100
w/Two-Way Drive
w/Entry & Exit Device
w/Right-Hand Operator Mount
w/4’ Loops for Normal Vehicles

Layout 5

COMPONENTS
- SL Slide Gate Operator
- SW Swing Gate Operator: DoorKing Model 6100
- PK Parking Barrier Operator
- PB Photo Beam: DoorKing Model 6080-0xx
- RE Reversing Edge: DoorKing Model 6080-0xx
- VL Vehicle Detecting Loop - DoorKing - Type 9402-0xx
- OD1 Opening Device 1: DoorKing DKProx Card Reader
- OD2 Opening Device 2
- OD3 Opening Device 3
- MP Mounting Post: DoorKing Model 1200-0xx
- PB Parking Barrier Operator
- SW Swing Gate Panel
- GT Gate Travel
- TS Tail Section

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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 1-11/16” (4 inches) and less than 8-1/4” (206 mm) this area is considered to be an entrapment zone and therefore must be protected.

120 Glasgow Avenue
Inglewood, California 90301
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Website: www.doorking.com
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COMPONENTS

<table>
<thead>
<tr>
<th>COMPONENT</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 6100</td>
</tr>
<tr>
<td>PK</td>
<td>Parking Barrier Operator</td>
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<tr>
<td>PB</td>
<td>Parking Beam: DoorKing Model 8080-0xx</td>
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<tr>
<td>RE</td>
<td>Reversing Edge: DoorKing Model 8080-0xx</td>
</tr>
<tr>
<td>VL</td>
<td>Vehicle Detector Loop - DoorKing - Type 9402-xxx</td>
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<tr>
<td>OD1</td>
<td>Opening Device 1: DoorKing DKProx Card Reader</td>
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<td>OD2</td>
<td>Opening Device 2:</td>
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<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>
</tr>
<tr>
<td>SWP</td>
<td>Swing Gate Panel</td>
</tr>
<tr>
<td>GT</td>
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LAYOUT DESCRIPTION:

Gate Style: Single-leaf Swinging
DoorKing Model 6100
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

If the gap between the bottom of a moving gate and the ground is greater than 1-1/2 in (4 inches) and less than 4 in (100 mm), this area is considered to be an entrapment zone and therefore must be protected.

PHOTO-BEAM LOCATION

MAXIMUM 27" FROM GRADE & WITHIN 5" OF GATE

PHOTO-BEAM LOCATION

MAXIMUM 27" FROM GRADE & WITHIN 5" OF GATE

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LAYOUT_DESCRIPTION

LAYOUT 6

NOT TO SCALE
Gate Style: Single-leaf Swinging

DoorKing Model 6100 w/Two-Way Drive
w/Entry Device & Free Exit
w/Right-Hand Operator Mount
w/Loops for Normal Vehicles

Layout 7

COMPONENTS
- SL Slide Gate Operator
- SN Swing Gate Operator: DoorKing Model 6100
- PK Parking Barrier Operator
- PB Reversing Edge: DoorKing Model 9208-0xx
- 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

PHOTO-BEAM LOCATION
Maximum 27" from grade & within 5" of gate

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LAYOUT DESCRIPTION:
Gate Style: Single-leaf Swinging
DoorKing Model 6100
w/Two-Way Drive
w/Entry Device & Free Exit
w/Left-Hand Operator Mount
w/4' Loops for Normal Vehicles
Layout 8

UL 325 & ASTM F2200 SAFETY

REVERSING LOOP 4' x 8'

SHADOW LOOP 4' x 8'

REVERSING LOOP 4' x 8'

OPEN / EXIT LOOP 4' x 8'

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</tr>
<tr>
<td>PK</td>
<td>Parking Barrier Operator</td>
</tr>
<tr>
<td>PB</td>
<td>Photo Beam: DoorKing Model 8080-xxx</td>
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<tr>
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<tr>
<td>VL</td>
<td>Vehicle Detecting Loop - DoorKing - Type 9402-xxx</td>
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<td>OD1</td>
<td>Opening Device 1: DoorKing DKProx Card Reader</td>
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<td>OD2</td>
<td>Opening Device 2</td>
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<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>
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NOT TO SCALE

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<td>Vehicle Detecting Loop: DoorKing Type 9402-xxx</td>
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<td>Opening Device 1: DoorKing DKProx Card Reader</td>
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<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>GT</td>
<td>Gate Travel</td>
</tr>
<tr>
<td>TS</td>
<td>Tail Section</td>
</tr>
</tbody>
</table>

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 foot-print 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, i.e., 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.
- 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, finge, 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

Gate Style: Dual-leaf Swinging
DoorKing Model 6100
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

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.

PHOTO-BEAM LOCATION

MAXIMUM 27" FROM 
GRADE & WITHIN 5" OF GATE

VEHICLE LANE

Photo-beams must extend to cover entire length of swing gate.

SWING GATE STYLE

DESIGN AND PICKET SPACING WILL VARY

REVERSING EDGE

FALL-OVER PREVENTION

STRAP

LAYOUT 9

NOT TO SCALE

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

SL Slide Gate Operator
SW Swing Gate Operator: DoorKing Model 6100
PK Parking Barrier Operator
PB Photo Beam: DoorKing Model 8080-xxx
RE Reversing Edge: DoorKing Model 8080-xxx
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 Swing Gate Panel
GT Gate Travel
TS Tail Section

GENERAL NOTES

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LAYOUT_DESCRIPTION

Gate Style: Dual-leaf Swinging
DoorKing Model 6100 w/Two-Way Drive
w/Entry & Exit Device
w/Bi-parting Operator Mount
w/4' Loops for Normal Vehicles

Layout 10

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

LAYOUT 10

NOT TO SCALE

120 Glasgow Avenue
Inglewood, California 90301
Phone Contact: 310-645-0023
Website: www.doorking.com
Email: ghendrix@doorking.com
LAYOUT_DESCRIPTION:
Gate Style: Single-leaf Swinging
DoorKing Model 6100
w/One-Way Drive & Turn-around
w/Telephone Entry System
w/DoorKing Card Reader/Keypad
w/Right-hand Operator Mount
w/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 mm (0.04 inches) and less than 406 mm (16 inches), this area is considered to be an entrapment zone and therefore must be protected.

GENERAL NOTES
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LAYOUT_DESCRIPTION
LAYOUT 11

NOT TO SCALE
LAYOUT DESCRIPTION:
Gate Style: Single-Leaf Swinging
DoorKing Model 6100
w/One-Way Drive & Offset Turn-around
w/Telephone Entry System
w/DoorKing Card Reader/Keypad
w/Left-hand Operator Mount
w/Loops for Normal Vehicles

Layout 12

If the gap between the bottom of a moving gate and the ground is greater than 1.5 mm (4 inches) and less than 304 mm (12 inches), this area is considered to be an entrapment zone and therefore must be protected.

UL 325 & ASTM F2200 SAFETY