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DoorKing Models 9050 & 9100 Slide Gate Operators Elevation Drawings and Typical Lane Layouts with 6' Vehicle Loops for High Vehicles

Elevations Drawings
DoorKing Model 9050/9100
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9050/9100 - Side View
9050-9100 - Front View

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DoorKing Model 9050/9100
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/One-Way Entrance Drive
w/Access Device
w/Left-Hand Operator Mount
w/6' Loops for Higher Vehicle

Layout 2
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/One-Way Entrance Drive
w/Access Device
w/Left-Hand Operator Mount
w/6' Loops for Higher Vehicle

Layout 3
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/One-Way Free Exit Drive
w/Right-Hand Operator Mount
w/6' Loops for Higher Vehicle

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Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/One-Way Drive
w/Free Exit
w/Left-Hand Operator Mount
w/6' Loops for Higher Vehicles

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Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/Two-Way Drive
w/Entry & Exit Device
w/Right-Hand Operator Mount
w/6' Loops for Higher Vehicles

Layout 6
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/Two-Way Drive
w/Entry & Exit Device
w/Left-Hand Operator Mount
w/6' Loops for Higher Vehicles

Layout 7
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/Two-Way Drive
w/Entry Device & Free Exit
w/Right-Hand Operator Mount
w/6' Loops for Higher Vehicles

Layout 8
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/Two-Way Drive
w/Entry Device & Free Exit
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w/6' Loops for Higher Vehicles

Layout 9
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/Two-Way Drive
w/Entry & Exit Device
w/Bi-parting Operator Mount
w/6' Loops for Higher Vehicles

Layout 10
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/Two-Way Drive
w/Entry & Exit Device
w/Bi-parting Operator Mount
w/6' Loops for Higher Vehicles

Layout 11
Gate Style: Cantilevered Gate
DoorKing Model 9100
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w/DoorKing Card Reader/Keypad
w/Left-Hand Operator Mount
w/6' Loops for Higher Vehicles

Layout 13
Gate Style: V-Groove Track
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w/One-Way Entrance Drive
w/Off-set Turn-around
w/Telephone Entry System
w/DoorKing Card Reader/Keypad
w/Left-hand Operator Mount
w/6' Loops for Higher Vehicles
CANTILEVERED SLIDE GATE
Model: 9050/9100

The local frost line depth and local electrical
/building codes may require the concrete pad be deeper
than the 30" minimum.

SLIDE GATE WITH
V-GROOVE TRACK
Model: 9050/9100

The local frost line depth
and local electrical
/building codes may require the concrete pad be deeper
than the 30" minimum.
Photo-beam must cover the entire travel of the gate!

LAYOUT DESCRIPTION:
Gate Style: V-Groove Track
DoorKing Model Model 9050/9100
w/One-Way Drive
w/Access Device
w/Right-Hand Operator Mount
w/6' Loops for High Vehicles

Layout 1
LAYOUT DESCRIPTION:
Gate Style: V-Groove Track
DoorKing Model Model 9050/9100
w/One-Way Drive
w/Access Device
w/Left-Hand Operator Mount
w/6' Loops for High Vehicles

Layout 2

Photo-beam must cover the entire travel of the gate!
Photo-beam must cover the entire travel of the gate!
**LAYOUT DESCRIPTION:**

Gate Style: V-Groove Track

DoorKing Model Model 9050/9100

w/One-Way Drive

w/Free Exit

w/Left-Hand Operator Mount

w/6' Loops for High Vehicles

**Layout 4**

**COMPONENTS**

- SL Slide Gate Operator: DoorKing Model 9050/9100
- SW Swing Gate Operator:
- PK Parking Barrier Operator:
- PB Photo Beam: DoorKing Model 8100-031
- RE Reversing Edge: DoorKing Model 8100-0xx
- VL Vehicle Detecting Loop – DoorKing - Type 9402-xxx
- OD1 Opening Device 1: DoorKing DKProx Card Reader
- OD2 Opening Device 2: DoorKing Telephone Entry Sys
- 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

**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 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 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 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.

**DKS® DOORKING®**

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**Photo-beam must cover the entire travel of the gate!**
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: V-Groove Track

DoorKing Model 9050/9100
w/Two-Way Drive
w/Entry & Exit Device
w/Right-Hand Operator Mount
w/6' Loops for High Vehicles

Layout 5
LAYOUT DESCRIPTION:
Gate Style: V-Groove Track

DoorKing Model 9050/9100
w/Two-Way Drive
w/Entry & Exit Device
w/Left-Hand Operator Mount
w/6’ Loops for High Vehicles

Layout 6

Photo-beam must cover the entire travel of the gate!
Photo-beam must cover the entire travel of the gate!
Photo-beam must cover the entire travel of the gate!

COMPONENTS
- SL: Slide Gate Operator - DoorKing Model 9050/9100
- SW: Swing Gate Operator
- PK: Parking Barrier Operator
- PB: Photo Beam - DoorKing Model 8080-031
- 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: DoorKing Telephone Entry Sys
- 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

LAYOUT DESCRIPTION:
Gate Style: V-Groove Track

- DoorKing Model 9050/9100
- w/Two-Way Drive
- w/Entry Device & Free Exit
- w/Left-Hand Operator Mount
- w/6' Loops for High Vehicles

Layout 8

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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- 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 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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Photo-beam must cover the entire travel of the gate!

Layout Description:
Gate Style: V-Groove Track
DoorKing Model 9050/9100 w/Two-Way Drive w/Bi-parting Operator Mount w/6' Loops for High Vehicles

Component List:
- SL: Slide Gate Operator: DoorKing Model 9050/9100
- SW: Swing Gate Operator:
- PK: Parking Barrier Operator:
- PB: Photo Beam: DoorKing Model 8080-031
- RE: Reversing Edge: DoorKing Model 8080-0xx
- VL: Vehicle Detecting Loop - DoorKing - Type 8084-xxx
- OD1: Opening Device 1: DoorKing DKProx Card Reader
- OD2: Opening Device 2: DoorKing Telephone Entry Sys
- 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

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: V-Groove Track
DoorKing Model 9050/9100
w/Two-Way Drive
w/Bi-parting Operator Mount
w/Loops for High Vehicles

LAYOUT 10

LAYOUT DESCRIPTION:
Gate Style: V-Groove Track
DoorKing Model 9050/9100
w/Two-Way Drive
w/Bi-parting Operator Mount
w/Loops for High Vehicles

COMPONENTS
SL Slide Gate Operator: DoorKing Model 9050/9100
SW Swing Gate Operator:
PK Parking Barrier Operator:
PB Photo Beam: DoorKing Model 8080-031
RE Reversing Edge: DoorKing Model 8080-0xx
VL Vehicle Detecting Loop – DoorKing - Type 9402-xx
OD1 Opening Device 1: DoorKing DKProx Card Reader
OD2 Opening Device 2: DoorKing Telephone Entry Sys
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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NOT TO SCALE
Photo-beam must cover the entire travel of the gate!

Components:
- Slide Gate Operator: DoorKing Model 9050/9100
- Swing Gate Operator: DoorKing Model 9080
- Parking Barrier Operator: DoorKing Model 8080
- Photo Beam: DoorKing Model 8080-031
- Reversing Edge: DoorKing Model 8080-0xx
- Vehicle Detecting Loop - DoorKing - Type 9402-xxx
- Opening Device 1: DoorKing DKProx Card Reader
- Opening Device 2: DoorKing Telephone Entry Sys
- Opening Device 3:
- Mounting Post: DoorKing Model 1200-xxx
- Slide Gate Panel
- Swing Gate Panel
- Gate Travel
- Tail Section

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LAYOUT DESCRIPTION:
- Layout 11

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**LAYOUT DESCRIPTION**

Gate Style: V-Groove Track

**COMPONENTS**

- SL: Slide Gate Operator: DoorKing Model 9050/9100
- SW: Swing Gate Operator:
- PK: Parking Barrier Operator:
- PB: Photo Beam: DoorKing Model 8080-031
- 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: DoorKing Telephone Entry Sys
- 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

**GENERAL NOTES**

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**LAYOUT_DESCRIPTION**

LAYOUT 12

Photo-beams must cover the entire travel of the gate!
**COMPONENTS**

- SL: Slide Gate Operator: DoorKing Model 9050/9100
- SW: Swing Gate Operator: DoorKing Model 9050/9100
- PK: Parking Barrier Operator: DoorKing Model 9050/9100
- PB: Photo Beam: DoorKing Model 8080-031
- 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: DoorKing Telephone Entry Sys
- OD3: Opening Device 3: DoorKing Telephone Entry Sys
- MP: Mounting Post: DoorKing Model 1200-xxx
- SP: Slide Gate Panel
- SWP: Swing Gate Panel
- GT: Gate Travel
- TS: Tail Section

**LAYOUT DESCRIPTION:**

- Gate Style: V-Groove Track
- DoorKing Model 9050/9100 w/One-Way Drive & Off-set Turn-around w/Telephone Entry System w/DoorKing Card Reader/Keypad w/Left-hand Operator Mount w/6' Loops for High Vehicles

**LAYOUT 13**

**TURN-AROUND**

Shown as an example only. Actual distances, dimensions, and exact location of curbing and visitor phone island to be determined by "Local Authority Having Jurisdiction."

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**LAYOUT DESCRIPTION**

LAYOUT 13

NTS

NOT TO SCALE

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