DoorKing Model 6300 Swing Gate Elevation Drawings
and Typical Lane Layouts with 4' Vehicle Loops for Normal Vehicles

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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.
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

ASTM F2200 7.1.1.1 & ASTM F2200 7.1.1.2

PHOTO-BEAM

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

Model : 6300

The total head room depth and headroom height of gate structure may require the concrete pad to be deeper than the 37" minimum.

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 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, 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.
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Gate Style = Single-leaf Swinging

DoorKing Model 6300
w/ One-Way Drive
w/ Access Device
w/ Right-Hand Operator Mount
w/ 4’ Loops for Normal Vehicles

Layout 1

UL 325 & ASTM F2200 SAFETY

If the gap between the bottom of a moving gate and the ground is greater than 1-1/2mm (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>SL</th>
<th>Slide Gate Operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW</td>
<td>Swing Gate Operator: DoorKing Model 6300</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-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 1-1/4mm (1/2 inch) and less than 406mm (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 6300
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’

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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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.

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.

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 2

NOT TO SCALE

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

- SL: Slide Gate Operator
- SW: Swing Gate Operator: DoorKing Model 6300
- 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 D0Prox 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

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 6300
w/ One-Way Drive
w/ Free Exit
w/ Right-Hand Operator Mount
w/ 4x Loops for Normal Vehicles
Layout 3

UL 325 & ASTM F2200 SAFETY
Components:
- SL: Slide Gate Operator
- SW: Swing Gate Operator - DoorKing Model 6300
- 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

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.
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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:
Gate Style = Single-leaf Swinging
DoorKing Model 6300
w/ One-Way Drive
w/ Free Exit
w/ Left-Hand Operator Mount
w/ 4’ Loops for Normal Vehicles
Layout 4

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

DoorKing Model 6300
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: DoorKing Model 6300
SW  Swing Gate Operator: DoorKing Model 6300
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 D0Prox 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 Traval
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.
- 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.
- UL 325 & ASTM F2200 SAFETY

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

FALL-OVER PREVENTION STRAP

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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- UL 325 & ASTM F2200 SAFETY
- 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 5

NOT TO SCALE

UL 325 & ASTM F2200 SAFETY

Gate Style = Single-leaf Swinging

DoorKing Model 6300
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Right-Hand Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 5

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

- SL: Slide Gate Operator
- SW: Swing Gate Operator: DoorKing Model 6300
- 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

LAYOUT_DESCRIPTION:

Gate Style = Single-leaf Swinging
DoorKing Model 6300
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Left-Hand Operator Mount
w/ 4’ Loops for Normal Vehicles

Layout 6

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

LAYOUT 6

NOT TO SCALE

UL 325 & ASTM F2200 SAFETY

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

Gate Style = Single-leaf Swinging
DoorKing Model 6300
w/ Two-Way Drive
w/ Entry Device & Free Exit
w/ Right-Hand Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 7

COMPONENTS

- SL: Slide Gate Operator
- SW: Swing Gate Operator: DoorKing Model 6300
- FK: 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 DPProx 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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120 Glasgow Avenue
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Phone Contact: 310-645-0023
Website: www.doorking.com
Email: ghendrix@doorking.com
**COMPONENTS**

SL Slide Gate Operator
SN Swing Gate Operator: DoorKing Model 6300
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

**LAYOUT_DESCRIPTION:**

Gate Style = Single-leaf Swinging
DoorKing Model 6300
w/ Two-Way Drive
w/ Entry Device & Free Exit
w/ Left-Hand Operator Mount
w/ 4' Loops for Normal Vehicles
Layout 8

**GENERAL NOTES**

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Gate Style = Dual-leaf Swinging
DoorKing Model 6300
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Bi-parting Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 9

COMPONENTS
SL Slide Gate Operator
SV Swing Gate Operator: DoorKing Model 6300
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

LAYOUT_DESCRIPTION:
Gate Style = Dual-leaf Swinging
DoorKing Model 6300
w/ Two-Way Drive
w/ Entry & Exit Device
w/ Bi-parting Operator Mount
w/ 4' Loops for Normal Vehicles

REVERSING LOOP
4' x 22'

SHADOW LOOP
4' x 22'

REVERSING LOOP
4' x 22'

VL
SW
PB
RE
RE
RE
RE
OD1
OD2
OD3
MP
SP
SWP
GT
TS

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 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 into the property.
- Gate dimensions, posts, guide rollers, photo beams, reversing edges, hinges, and other gate hardware may vary in size, dimensions, 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

NOT TO SCALE

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

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.

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

FRONT VIEW

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

SWING GATE STYLE DESIGN AND PICKET SPACING WILL VARY

DOORKING

LAYOUT_DESCRIPTION

NOT TO SCALE

DKS®

DOORKING®

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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

NOT TO SCALE
COMPONENTS
- SL: Slide Gate Operator
- SW: Swing Gate Operator: DoorKing Model 6300
- 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 DRProx Card Reader
- OD2: Opening Device 2
- OD3: Opening Device 3
- SP: Mounting Post: DoorKing Model 1200-xxx
- SWP: Slide Gate Panel
- SP: Swing Gate Panel
- GT: Gate Travel
- TS: Tail Section

LAYOUT_DESCRIPTION:
Gate Style = Dual-leaf Swinging
DoorKing Model 6300
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

LAYOUT_DESCRIPTION:
Gate Style = Dual-leaf Swinging
DoorKing Model 6300
w/ Two-Way Drive
w/ Entry& Exit Device
w/ Bi-parting Operator Mount
w/ 4' Loops for Normal Vehicles

Layout 10

GENERAL NOTES
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LAYOUT_DESCRIPTION
LAYOUT 10

NOT TO SCALE
UL 325 & ASTM F2200 SAFETY

**GENERAL NOTES**

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**LAYOUT_DESCRIPTION**

- Gate Style = Single-leaf Swinging
- DoorKing Model 6300
- 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

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

**COMPONENTS**

- SL Slide Gate Operator
- SWW Swing Gate Operator: DoorKing Model 6300
- 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

**LAYOUT 11**

Note: All dimensions shown are approximate and not necessarily to scale. Exact dimensions, and exact locations of setting and placement of equipment shall be determined by "Local Authority Having Jurisdiction."

- ARMING LOOP 4' x 8'
- REVERSING LOOP 4' x 8'
- REVERSING LOOP 4' x 8'
- REVERSING LOOP 4' x 8'

**NOT TO SCALE**

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DoorKing, Inc. does not accept 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 6300
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

COMPONENTS
SL Slide Gate Operator
SW Swing Gate Operation: DoorKing Model 6300
PB Parking Barrier Operation
PB Photo Beam: DoorKing Model 8080-0xx
RE Reversing Edge: DoorKing Model 8080-0xx
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-xxx
SP Slide Gate Panel
SWP Swing Gate Panel
GT Gate Travel
TS Tail Section

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