Sports Attractions - Symbols

GFS A5-6
CRICKET FIELD
H = 15d
W = 8d

GFS A5-7
SWIMMING POOL
H = 8d
W = 15d
GFS A5-8
SPORTS STADIUM

H = 13d
W = 25d
WILDLIFE ATTRACTIONS - SYMBOLS

GFS A6
GENERIC - WILDLIFE

$H = 15d$
$W = 15d$

GFS A6-1
CONSERVANCY AREA

$H = 15d$
$W = 11d$

NOTES:
1. This symbol should be turned to face in the direction of the arrow on the sign or stack.
GFS A6-2
GAME RESERVE
H = 15d
W = 14d

NOTES:
1. This symbol should be turned to face in the direction of the arrow on the sign or stack.

GFS A6-3
BIRD PARK/SANCTUARY
H = 15d
W = 13d
GFS A6-4

ZOO

\[ \text{H} = 15d \]
\[ \text{W} = 12d \]

NOTES:
1. This symbol should be turned to face in the direction of the arrow on the sign or stack.

GFS A6-5

SNAKE PARK

\[ \text{H} = 15d \]
\[ \text{W} = 11d \]
GFS A6-6
CROCODILE PARK

H = 15d
W = 25d

NOTES:
1. This symbol should be turned to face in the direction of the arrow on the sign or stack.
GFS A6-7
RHINO PARK
H = 15d
W = 15d

GFS A6-8
LION PARK
H = 15d
W = 15d
HISTORICAL ATTRACTIONS - SYMBOLS

GFS A7

GENERIC - HISTORICAL

H = 15d
W = 11d

GFS A7-1 RSA

NATIONAL MONUMENT

H = 15d
W = 11d
7.9.2

HISTORICAL ATTRACTIONS - SYMBOLS

**GFS A7-1 NAM**

NATIONAL MONUMENT

\[ H = 15d \]
\[ W = 15d \]

**GFS A7-2**

MUSEUM

\[ H = 15d \]
\[ W = 15d \]
HISTORICAL ATTRACTIONS - SYMBOLS

7.9.3

HISTORIC MINE

H = 15d
W = 15d
HISTORICAL ATTRACTIONS - SYMBOLS

GFS A7-4

HISTORIC RAILWAY STATION

H = 15d
W = 25d

NOTES:
1. This symbol should be turned to face in the direction of the arrow on the sign or stack.
HISTORICAL ATTRACTIONS - SYMBOLS

7.9.5

HISTORIC BATTLEFIELD

H = 15d
W = 20d
7.9.6 HISTORICAL ATTRACTIONS - SYMBOLS

HISTORIC CEMETRY

H = 15d
W = 14d

GEOLOGICAL SITE

H = 15d
W = 15d
GUIDANCE SIGNS – 5
DIAGRAMMATIC SIGNS

SECTIONS

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8.2 Traffic Movement Affected by Obstruction Signs
8.3 Additional Lane Signs
8.4 Lane Use Control by Regulation Signs
8.5 Lanes Merge Signs
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MAY 2012
CHAPTER 8:
GUIDANCE SIGNS 5- DIAGRAMMATIC SIGNS

8.0 CONTENTS

This contents listing illustrates each officially approved type of sign in the diagrammatic signs sub-class with the sign number and name. A page reference is given within this chapter where the signface layout is detailed and a cross reference is given to Volume 1 where details of the use of each sign are covered.

The front page of the contents shows how diagrammatic signs fit into the guidance sign class and the overall class permanent and temporary colour codes. If a diagrammatic sign is not recommended in one or other form a blank space has been left and only one form is illustrated.
### Section 8.1: INTRODUCTION

| Figure 8.1 | Standard Diagrammatic Sign Sizes | page 8.1.4 |
| Figure 8.2 | Stack Type Arrow Dimensions – Ground Mounted Diagrammatic Signs | page 8.1.5 |
| Figure 8.3 | Overhead Type Arrow Dimensions – Overhead Diagrammatic Signs | page 8.1.6 |
| Figure 8.4 | Variations of Upward Pointing Arrows using Stack-Type 1 Arrow Head for Diagrammatic Signs - 1 | page 8.1.7 |
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| Figure 8.9 | Overhead Diagrammatic Signs – Typical Displays | page 8.1.4 |
Section 8.2: GS100 Series – TRAFFIC MOVEMENT AFFECTED BY OBSTRUCTIONS – Diagrammatic Signs
GS100 Series – Traffic Movement Affected by Obstructions (continued)
GS100 Series – Traffic Movement Affected by Obstructions (continued)

Section 8.3: GS200 Series – ADDITIONAL LANE – Diagrammatic Signs
GS200 Series – Additional Lane (continued)

Section 8.4: GS300 Series – LANE USE CONTROL BY REGULATION – Diagrammatic Signs
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Section 8.6: GS450 Series – LANES CONVERGE – Diagrammatic Signs
Section 8.7: GS500 Series – HEAVY VEHICLE CONTROL – Diagrammatic Signs

Section 8.8: GS600 Series – OVERHEAD – Diagrammatic Signs - Specific Situations/Lane Use Control
GS600 Series – Overhead – Specific Situations/Lane Use Control

GS6000 Series – Overhead Versions of Signs in Other Series (EXAMPLES)
8.0.10

GS6000 Series – Overhead Versions of Signs in Other Series (continued)

Section 8.9: GS700 Series – PUBLIC TRANSPORT – Diagrammatic Signs

Section 8.10: GS800 Series – AT GRADE LANE LAYOUT – Diagrammatic Signs
Section 8.11: GS900 Series – JUNCTION with WARNING – Diagrammatic Signs
CHAPTER 8: GUIDANCE SIGNS – 5
DIAGRAMMATIC SIGNS

8.1 INTRODUCTION

8.1.1 General

1 Due to the number of signs involved, the contents of Volume 1, Chapter 4, Guidance Signs have been split into eight Chapters for coverage in this Volume. The contents of these eight Chapters are as follows:

Chapter 4 - Guidance Signs 1 - Location Signs and Route Marker Signs
Chapter 5 - Guidance Signs 2 - Direction Signs Freeway Direction Signs
Chapter 6 - Guidance Signs 3 - Tourism Direction Signs
Chapter 7 - Guidance Signs 4 -
Chapter 8 - Guidance Signs 5 - Diagrammatic Signs
Chapter 13 - Guidance Signs 6 - Local Direction Signs
Chapter 14 - Guidance Signs 7 - Pedestrian Signs
Chapter 15 - Guidance Signs 8 - Toll Direction Signs

2 This chapter therefore provides layout and dimensional details of DIAGRAMMATIC signs so that they may be accurately specified and manufactured. No information is given on the meaning and use of the signs. References are given for each sign to the relevant pages of Volume 1, Chapter 4 where this information is given.

3 The DIAGRAMMATIC signs are grouped in the same way as in Volume 1 as indicated in the chapter index, although because some of the group descriptions are relatively long some have been abbreviated in the page references. DIAGRAMMATIC signs do not have individual names. They should therefore be referred to by their PERMANENT or TEMPORARY sign number.

4 DIAGRAMMATIC signs use bold signface components to achieve the desired message transfer. These components will normally comprise one, or a combination of two or more, of the following:

(a) arrows;
(b) blocks (representing real or perceived obstructions);
(c) symbols;
(d) an incorporated regulatory or warning sign.

With the exception of ARRESTOR BED signs and certain OVERHEAD diagrammatic signs, text is not commonly used or recommended. The exceptions given relate to the display of a distance (see Subsection 8.1.5).

5 The method of presentation used in this chapter provides one dimensional detail for up to six permanent and/or temporary signs illustrated on a page. Since one dimensional detail is used to represent a number of signs certain details are subject to variation at the time of manufacture. In the majority of cases dimensions are referenced by letter to a table of dimensions which is common for a number of signs. The dimensions given in the tables relate to the three standard DIAGRAMMATIC sign sizes (see Subsection 8.1.2). The scale of these details is normally 1/25 for the 2400 mm x 1800 mm size. Only one dimensioned detail is given for handed signs ("left" and "right" versions), when the dimensions for the one version are simply in the reversed order of those for the version detailed. Similarly if a number of signs utilize a particular arrow type which is available in different versions, but these all have the same overall dimension, only one dimensioned detail is given. The tables of dimensions are given every few pages together with details of any arrows or blocks used on the signs to which the table of dimensions refers.

6 It should be noted that the letters used for reference on each dimensioned detail are not used in a common position throughout, due to the need for different numbers of letters for each of the sign groups and types. These variations have been kept to a minimum but care should be exercised when dealing with several signs, that, for instance, the letter "n" used for a dimension on one sign type may well be used on another sign type for a different dimension.

7 A number of DIAGRAMMATIC signs include the display of a REGULATORY sign in combination with an arrow. Although these signs are similar to HIGH VISIBILITY REGULATORY signs the latter signs do not incorporate an arrow. Since the arrow implies an element of guidance in the overall message of these signs they have been classified as DIAGRAMMATIC guidance signs. They do, however, have the same legal effect as a REGULATORY sign. The REGULATORY signs used shall conform in all respects to legal requirements for REGULATORY signs.

8 The majority of DIAGRAMMATIC signs detailed in this chapter are general in their application. From time to time a specialised requirement for a DIAGRAMMATIC sign will occur which cannot reasonably be dealt with using general sign designs. Signs specific to such situations should be designed using the design principles of existing signs (see Volume 1, Subsection 4.12.3). In order to cater for future needs and to co-ordinate design activities, sign designers are requested to submit such sign details to:

The Secretary
Route Numbering and Road Traffic Signs Sub-Committee
c/o Department of Transport
Private Bag X193
Pretoria
0001

8.1.2 Sign Sizes

1 DIAGRAMMATIC signs are rectangular in shape and in most cases ground-mounted signs are only available in three basic standard sizes, namely - 1200 mm x 900 mm, 1600 mm x 1200 mm and 2400 mm x 1800 mm. Dimensions for these sizes are provided for all signs in a tabular form, with the exception of ARRESTOR BED signs and OVERHEAD diagrammatic signs. The 1200 mm x 900 mm size is only recommended for use on narrow urban streets in which side spaces are limited and operating speeds are low (60 km/h or less).

2 Signs which have more than three arrows require an extended width in order to accommodate these arrows. Standard sizes may therefore be enlarged to 1200 mm x 1125 mm, 1600 mm x 1500 mm and 2400 mm x 2250 mm, or in exceptional cases to 1200 mm x 1350 mm, 1600 mm x 1800 mm and 2400 mm x 2700 mm.

3 The dimensional details of the signface components within the three standard sizes are not always directly proportional, size for size. This may result in slight differences in the visual appearance of some signs, as illustrated in Figure 8.1. This is not considered significant since there is no provision in the application of DIAGRAMMATIC signs for signs of different sizes, which display the same message, to appear together.
8.1.3 Arrows

1 All arrows used on DIAGRAMMATIC signs, with a few exceptions noted on the individual sign pages, are a derivation of the Stack-Type 1 arrow. The Stack-Type 1 arrow head is used unaltered and is dimensionally detailed in Figure 8.2. It should be noted that the value of "d" which determines the arrow head size and shaft width for 1600 mm x 1200 mm signs is sometimes 25 mm and sometimes 30 mm. Care should be taken to check the appropriate dimension table for this dimension.

2 The Stack-Type 2, Stack-Type 3, Upward-Type 1 and the Downward-Pointing Type arrows are used on a number of signs and these are also dimensionally detailed in Figures 8.2 and 8.3.

3 In preparing the designs of DIAGRAMMATIC signs an attempt has been made to limit the number of different arrows used. If a new design is being considered designers are requested to prepare their design around arrows which have already been used. Figures 8.4 and 8.5 illustrate the range of arrow types available based on the Stack-Type 1 arrow head.

8.1.4 Blocks

1 The group of DIAGRAMMATIC signs dealing specifically with traffic movements which are affected by one or more obstructions incorporate one or more "blocks" to represent these obstructions.

2 An attempt has also been made to limit the number of different block types developed for DIAGRAMMATIC signs. The range of block types available is illustrated in Figures 8.6 and 8.7, for comparison purposes, and the blocks are dimensionally detailed in Section 8.2. Sign designers are requested to base new sign designs on existing signface components if at all possible.

3 It should be noted that an obstruction may be a real physical obstruction, or it may be more "perceived" than physical in nature. No difference in display is made on the signface between real or "perceived" obstructions. Typical of a "perceived" obstruction is a lane drop at a road narrowing. The road design may have an adequate "run-off" provision involving no actual physical obstruction, but the lane drop will ultimately result in a reduced roadway width so that drivers in a particular lane are given the indication of a "perceived" obstruction to indicate that they cannot continue on the path of that lane.

8.1.5 Supplementary Plates

1 Any text required to supplement the diagrammatic message of a DIAGRAMMATIC ground-mounted sign shall be displayed in a SUPPLEMENTARY PLATE sign IN11 (or Tin11) located below the main sign in accordance with the provisions of Chapter 9.

2 The most common supplementary message likely to be used with DIAGRAMMATIC signs will relate to a distance. However, the range of message types provided for includes:

(a) a recommended speed;
(b) a distance "to";
(c) a distance "for";
(d) a symbol message;
(e) a text message.

3 It should be noted that supplementary plates are not used on overhead signs or arrestor bed signs. If a distance is required in conjunction with such signs this should be incorporated within the signface.

8.1.6 Overhead Diagrammatic Signs

1 Specific dimensional details are included in Section 8.8 for unique overhead DIAGRAMMATIC signs, and a limited selection of signs which are overhead versions of ground-mounted signs, previously detailed in Sections 8.2 to 8.7. A range of overhead sign sizes is therefore not catered for in Section 8.8.

2 If further overhead signs are required which have not been detailed these should be dimensioned according to the principles used for the examples given (see Figure 8.8). Features to be considered are:

(a) arrow shaft width, which will give a measure of the proportions required;
(b) a comparison between the proportions of ground-mounted and those overhead signs of a similar message which have been detailed in Section 8.8;
(c) if the sign is used in advance of the point to which it refers a distance to this point should be included within the border of the sign;
(d) the height of the sign may be dictated by other overhead DIRECTION or FREEWAY DIRECTION signs with which it is mounted.

3 Figure 8.9 illustrates common mounting situations for certain types of overhead DIAGRAMMATIC signs. It is a general rule that different signs comprising an overhead sign display, mounted on a common support structure, should be manufactured to the same height to give a balanced aesthetic appearance. In this context it is generally recommended that OVERHEAD diagrammatic signs should be at least 2400 mm in height. In many cases the signface detail loses its sense of proportion if lesser sign heights are used. If the height is reduced then the reduction in vertical dimension should be taken from parts of signface components which have a straight vertical face, such as arrows and blocks, whenever possible, always bearing in mind the need to maintain reasonable proportions. If it becomes necessary to increase the height of on OVERHEAD diagrammatic sign to match adjacent DIRECTION or FREEWAY DIRECTION signs the additional vertical dimension should be distributed in the vertical spaces between borders and arrows or text, and between arrows and text. If the required additional height exceeds 400 mm it is recommended that the vertical dimensions of arrow and/or block components and spaces be increased in proportion. Such an increase should be balanced by a proportional increase in the lateral spaces on the sign resulting in an increase in overall width.

8.1.7 Colours

1 Care must be exercised to specify to manufacturers whether the required sign is a PERMANENT sign (GS Series) or TEMPORARY sign (TGS series), since this determines the sign colours of all DIAGRAMMATIC signs. (See Volume 1, Chapter 10, Glossary of Terms for a detailed description of TEMPORARY).

2 All sign pages in this Chapter repeat the sign colour information given in Volume 1. If there is any doubt refer in Volume 1 to the individual sign page.

8.1.8 Materials of Manufacture

1 Sign materials will normally be specified with an order. Recommendations on types of materials and methods of manufacture are covered in Volume 1, Chapter 1.

2 It is recommended that, to achieve their intended effectiveness under all conditions, DIAGRAMMATIC signs be fully retroreflective. TEMPORARY diagrammatic signs, which are most commonly used at roadworks, shall be manufactured so that the yellow retroreflective material has a reflectivity at least 3.5 to 4 times that of any red retroreflective materials used. When such signs are to be located close to traffic, careful attention should be paid to material specification to ensure that signs are not so bright as to cause unnecessary glare. Care should also be exercised in this regard to ensure adequate daytime luminance is achieved from yellow retroreflective backgrounds. From time to time
new retroreflective materials become available. The use of such materials, within the limits of standard colour codes, should be considered for special applications and/or high risk areas.
NOTES:

1. The above details illustrate the relative proportions of two typical signs in the three standard DIAGRAMMATIC sign sizes. These sizes are the same as are recommended as standard for HIGH VISIBILITY regulatory or warning signs.

2. The dimensions and therefore the appearance of the 1200 mm x 900 mm and 2400 mm x 1800 mm are virtually in proportion. The dimensions for the 1600 mm x 1200 mm size are not all proportional to the other sizes. Due to a rounding of dimensions to simplify the specification of blocks and arrows there is sometimes a minor visual difference between signs of different sizes which manufacturers should be aware of but should not be concerned about.

Fig 8.1  Standard Diagrammatic Sign Sizes
INTRODUCTION

8.1.5

NOTES:

1 Stack-Type 1 arrow head is used on a wide variety of Upward-Pointing Diagrammatic sign arrows (see Figures 8.4 and 8.5) on signs in the GS/TGS100 series, the GS/TGS200 series, the GS/TGS300 series, the GS/TGS400 series, signs GS/TGS505, the GS/TGS700 series, the GS800 series and the GS900 series. In addition the Stack-Type 1 arrow head is used on overhead versions of ground-mounted diagrammatic signs (see also Figure 8.3).

2 Stack-Type 2 arrow is used on sign GS503.

3 Stack-Type 3 arrow is used on sign GS504.

4 Stack-Type 7 arrow is used on sign GS501.

Fig 8.2 Arrow Dimensions – Ground-Mounted Diagrammatic Signs
NOTES:

1 Downward-Pointing Arrow Type is used in two sizes, either vertically or inclined at 45°, on signs GS601 to GS606 and TGS603 to TGS606.

2 Upward Type 1 arrow is used on overhead ARRESTOR BED PRE ADVANCE EXIT sign GS6501.

3 In addition Stack-Type 1 arrow heads are used on overhead versions of ground-mounted diagrammatic signs (see Figures 8.2 and 8.4).

Fig 8.3 Arrow Dimensions - Overhead Diagrammatic Signs
NOTES:
1 For dimensions see Tables in Subsections 8.2 to 8.8.
2 The basic, full length straight vertical arrow is not allocated an identifying letter.
3 Arrows marked ● may also be used in a handed form.

Fig 8.4 Variations of Upward Pointing Arrows Using Stack-Type 1 Arrow Head for Diagrammatic Signs - 1
NOTES:
1. For dimensions see Tables in Subsections 8.10 to 8.11.
2. The basic, full length straight vertical arrow is not allocated an identifying letter.
3. Arrows marked ● may also be used in a handed form.
NOTES:
1 Details are drawn for 1600 mm x 1200 mm sign size. Proportions vary for other sizes but designation is not altered (see also Figure 8.6).
2 For dimensions see Tables in Subsection 8.2 to 8.11.

See paragraph 8.1.4.2.

4 The blocks shown above may be rotated through 180° horizontally and/or 180° vertically as indicated in Subsections 8.2 to 8.8.

Fig 8.6   Block Types Used on Diagrammatic Signs - 1
8.1.10 INTRODUCTION

NOTES:

1. Details are drawn for 1600 mm x 1200 mm sign size. Proportions vary for other sizes but designation is not altered (see also Figure 8.6).
2. For dimensions see Tables in Subsection 8.2 to 8.11.

3. See paragraph 8.1.4.2.
4. The blocks shown above may be rotated through 180° horizontally and/or 180° vertically as indicated in Subsections 8.2 to 8.8.

Fig 8.7 Block Types Used on Diagrammatic Signs - 2
NOTES:

1. A limited number of OVERHEAD diagrammatic signs are detailed in Subsection 8.8.

2. If additional overhead sign designs equivalent to existing ground-mounted sign designs are required they should conform to the following guidelines:
   (a) arrow shaft width should be increased from 120 mm to 150 mm (i.e. \( d = 50 \) mm);
   (b) the "diagram" height, \( S_1 \), should remain approximately the same as that given for the 2400 mm x 1800 mm size ground-mounted sign; however, arrow heights may be varied (see Chapter 6);
   (c) the overall width of the "diagram", \( S_2 \), and of the sign, should be increased by approximately 25% over that given for the 2400 mm x 1800 mm size ground-mounted sign (this should be accomplished by the increase in the size of arrows and blocks, and the spaces between them);
   (d) if it is required to display a distance, 420/300 mm Style 8 lettering should be used. The distance should be located within the main sign below the diagram.

3. Base values for \( H \) and \( WX \) should be as for a ground-mounted 2400 mm x 1800 mm sign. The dimensions of a typical stand-alone overhead sign will therefore be of the order of 2500 mm x 2800 mm (for \( H \) and \( WX \) see typical Table 8.2.13).

4. If the sign is to be mounted with other direction signs the height should be adjusted - see Figure 8.9.
NOTES:

1. OVERHEAD diagrammatic signs may be mounted on a common support structure with other guidance signs as illustrated in Details 8.9.1 and 8.9.2.

2. It is recommended that the DIAGRAMMATIC signs and the DIRECTION signs be matched for overall height for aesthetic reasons. This may require an increase in the height of either element subject to a minimum height for the DIAGRAMMATIC sign of 2400 mm.

3. The cost effect of this principle must be assessed against the alternative of mounting the signs on separate structures if the difference in height is significant.

4. See also Figure 6.5 in Chapter 6.

Fig 8.9 Overhead Diagrammatic Signs – Typical Displays
NOTES:
1. For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2. Arrow and sign dimensions are given on page 8.10.2.
3. Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GS802.

COLOURS:
- PERMANENT
  - Border: Red retroreflective
  - Arrows: Black semi-matt
  - Background: White retroreflective

NB Warning signs retain their standard colours and dimensions.

DIAGRAMMATIC SIGNS GS801 AND GS802
TABLE 8.10.1 - DIMENSIONS (mm)

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<td>570</td>
<td>570</td>
<td>270</td>
<td>280</td>
<td>270</td>
<td>290</td>
<td>400</td>
<td>150</td>
<td>120</td>
</tr>
</tbody>
</table>

NOTES:
1. All arrow types may be used handed left or right.
2. Standard vertical straight arrow is not detailed. See individual sign details.

* These details apply for signs GS801 to GS820

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NOTES:
1. For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2. Arrow and sign dimensions are given on page 8.10.2.
3. Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

COLOURS:
- PERMANENT
  - Border: Red retroreflective
  - Arrows: Black semi-matt
  - Background: White retroreflective

DIAGRAMMATIC SIGN GS803
COLOURS:
PERMANENT
Border: Red retroreflective
Arrows: Black semi-matt
Background: White retroreflective

NOTES:
1. For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2. Arrow and sign dimensions are given on page 8.10.2.
3. Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

DIAGRAMMATIC SIGNS GS804 AND GS805
8.10.5

NOTES:
1. For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2. Arrow and sign dimensions are given on page 8.10.2.
3. Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

COLOURS:
PERMANENT
Border: Red retroreflective
Arrows: Black semi-matt
Background: White retroreflective

DIAGRAMMATIC SIGNS GS806 AND GS807
COLOURS:
PERMANENT
Border: Red retroreflective
Arrows: Black semi-matt
Background: White retroreflective

NOTES:
1 For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2 Arrow and sign dimensions are given on page 8.10.2.
3 Ensure that the correct lane configuration is indicated when manufacturing. See signs GS801 to GD820.

DIAGRAMMATIC SIGN GS808
NOTES:
1. For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2. Arrow and sign dimensions are given on page 8.10.2.
3. Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

COLOURS:
- PERMANENT
  - Border: Red retroreflective
  - Arrows: Black semi-matt
  - Background: White retroreflective

DIAGRAMMATIC SIGNS GS809 AND GS810

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8.10.8  AT GRADE LANE LAYOUT

COLOURS:
PERMANENT
Border: Red retroreflective
Arrows: Black semi-matt
Background: White retroreflective

NOTES:
1 For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2 Arrow and sign dimensions are given on page 8.10.2.
3 Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

GS811  GS812

DIAGRAMMATIC SIGNS GS811 AND GS812

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NOTES:
1 For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2 Arrow and sign dimensions are given on page 8.10.2.
3 Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

COLOURS:
PERMANENT
Border: Red retroreflective
Arrows: Black semi-matt
Background: White retroreflective

DIAGRAMMATIC SIGNS GS813 AND GS814
COLOURS:
PERMANENT
Border: Red retroreflective
Arrows: Black semi-matt
Background: White retroreflective

NOTES:
1. For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2. Arrow and sign dimensions are given on page 8.10.2.
3. Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

DIAGRAMMATIC SIGNS GS815 AND GS816
NOTES:
1 For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2 Arrow and sign dimensions are given on page 8.10.2.
3 Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

COLOURS:
PERMANENT
Border: Red retroreflective
Arrows: Black semi-matt
Background: White retroreflective

DIAGRAMMATIC SIGNS GS817 AND GS818
COLOURS:

PERMANENT
Border: Red retroreflective
Arrows: Black semi-matt
Background: White retroreflective

NOTES:
1. For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2. Arrow and sign dimensions are given on page 8.10.2.
3. Ensure that the correct lane configuration is indicated when specifying/manufacturing. See signs GS801 to GD820.

DIAGRAMMATIC SIGNS GS819 AND GS820
NOTES:
1. For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.31 to 4.12.33.
2. Signs TGS861 to TGS863 have the same standard as nominal mid-sized ground-mounted diagrammatic signs but are of half the height. Larger versions may be used based on 1200 x 2250 or 1200 x 1800 overall sizes.

COLOURS:
- PERMANENT
  - Border: Red retroreflective
  - Arrows: Black semi-matt
  - Background: White retroreflective

DIAGRAMMATIC SIGNS TGS861, TGS862 AND TGS863
NOTES:
1 For details of sign use refer to SADC-RTSM VOL 1, pages 4.12.34 and 4.12.35.
2 Arrow head and shaft dimension to conform to standard Stack-Type 1 arrow details – see Section 8.1, Figure 8.2. If other sign sizes are required the arrow head should be 10d wide and the arrow shaft 3d wide, where values of “d” are as follows:
   - 1200 x 900 d = 20
   - 1600 x 1200 d = 25
   - 2400 x 1800 d = 40
3 The detail is dimensioned for a standard high visibility background size of 1600 mm x 1200 mm. Other standard sizes of 1200 mm x 900 mm and 2400 x 1800 mm may be sized proportionally with due regard to standard radii, border, arrow and warning sign dimensions.
4 Warning signs used on signs GS901 or GS902 shall be sized according to the standard details for high visibility signs given in Chapter 3, Sections 3.2 to 3.4.

COLOURS:
- PERMANENT
  - Border: Red retroreflective
  - Arrows: Black semi-matt
  - Background: White retroreflective

NB Warning signs retain their standard colours and dimensions.

DIAGRAMMATIC SIGNS GS901 AND GS902
NOTES:
1 Symbol GSS1 applies to signs in Section 8.7 and 8.8 and comprises a red pattered applied to a white background.
GSS2

CHANGE TO LOWER GEAR

H = 23d
W = 13.6d

NOTES:
1 The details given on pages 8.12.2 and 8.12.3 should be combined to form symbol GSS1 together with a standard Stack-Type 1 arrow and the upper case letter “L” in “B MOD” lettering (see Section 8.7 for spacing details).
NOTES:
1. The details given on pages 8.12.2 and 8.12.3 should be combined to form symbol GSS1 together with a standard Stack-Type 1 arrow and the upper case letter "L" in "B MOD" lettering (see Section 8.7 for spacing details).

H = 17.6d
W = 32d
NOTES:
1 The symbols GSS3 and GSS4 are for use on DIAGRAMMATIC signs GS701 to GS703. Ensure that the correct symbol is used.
2 The symbols are drawn to a scale of 1:5 for d=30 mm.
3 Symbols to be used in BLACK on a WHITE background.

GSS3

GSS4

H = 7d
W = 25d
NOTES:

1. The symbols GSS5 and GSS6 are for use on DIAGRAMMATIC signs GS704 to GS706. Ensure that the correct symbol is used.
2. The symbols are drawn to a scale of 1:5 for d=30 mm.
3. Symbols to be used in BLACK on a WHITE background.

\[ H = 10d \]
\[ W = 20d \]