



GT50/007/0003

**ROAD TRAFFIC REGULATION ACT 1984 – SECTIONS 64 AND 65
AUTHORISATION OF TRAFFIC SIGNS AND SPECIAL DIRECTIONS**

The Secretary of State for Transport, in exercise of his powers under Sections 64 and 65 of the Road Traffic Regulation Act 1984, and of all other powers enabling him in that behalf, for the purpose of indicating the side or sides on which vehicles should or may pass refuges on roads for which Blackburn with Darwen Borough Council is the traffic authority, hereby:-

1. authorises the erection, at appropriate sites on the said roads, of a traffic sign (hereinafter referred to as “the authorised sign A”) conforming as to size, colour and character with a sign shown in the attached set of drawings numbered GT50/007/0003-1; and
2. authorises the erection, at appropriate sites on the said roads, of a traffic sign (hereinafter referred to as “the authorised sign B”) conforming as to size, colour and character with a sign shown in the said set of drawings, save that the arrow shall point to the right; and
3. directs that the authorised sign A shall only be used:-
 - a) in conjunction with the appropriately sized sign shown in diagram 610 or 611 in Schedule 2 to the Traffic Signs Regulations 2002 (Part I of SI 3113/2002, “the 2002 Regulations”), in accordance with the attached table numbered GT50/007/0003-2 and which shall be illuminated in accordance with item 1 of Schedule 17 to those Regulations; or
 - b) when mounted on a traffic island and facing in the same direction as the light signal to diagram 3000, 3000.7, 3000.8, 3000.9 or 3000.10 in Schedule 8 to the 2002 Regulations; or



GT50/007/0003

- c) when mounted on a central traffic island or central reservation that forms part of a zebra pedestrian crossing and in conjunction with two belisha beacon globes mounted on the central island or reservation in accordance with paragraph 1 of Part I in Schedule 1 to The Zebra, Pelican and Puffin Pedestrian Crossings Regulations 1997 (SI 2400/1997); and
4. directs that the authorised sign B shall only be used:-
- a) when mounted facing approaching traffic on a priority working build-out in combination with the appropriately sized sign to diagram 615 in combination with diagram 615.1 in Schedule 2, or diagram 811 in combination with diagram 811.1 in Schedule 4 to the 2002 Regulations, in accordance with the said table and which shall be illuminated in accordance with item 1 of Schedule 17 to those Regulations; and
5. directs, without prejudice to any statutory provision to the like effect, that it is a condition of this authorisation that the erection of the authorised signs A and B at or near the said sites shall continue to have effect only until such day as may be appointed by one month's notice given by the Secretary of State in writing to the traffic authority for the removal or alteration of the authorised signs A and B and on that day the said authorisation shall, without prejudice to the giving of any further authorisation or direction, cease to have effect.



GT50/007/0003

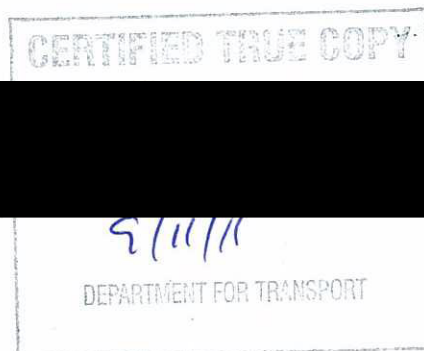
The provisions of Regulation 12 of the 2002 Regulations shall apply to the authorised signs A and B in the same manner as they apply to the sign to diagram 610 in Schedule 2 to those Regulations.

Dated 13 October 2011

Signed by authority of the Secretary of State

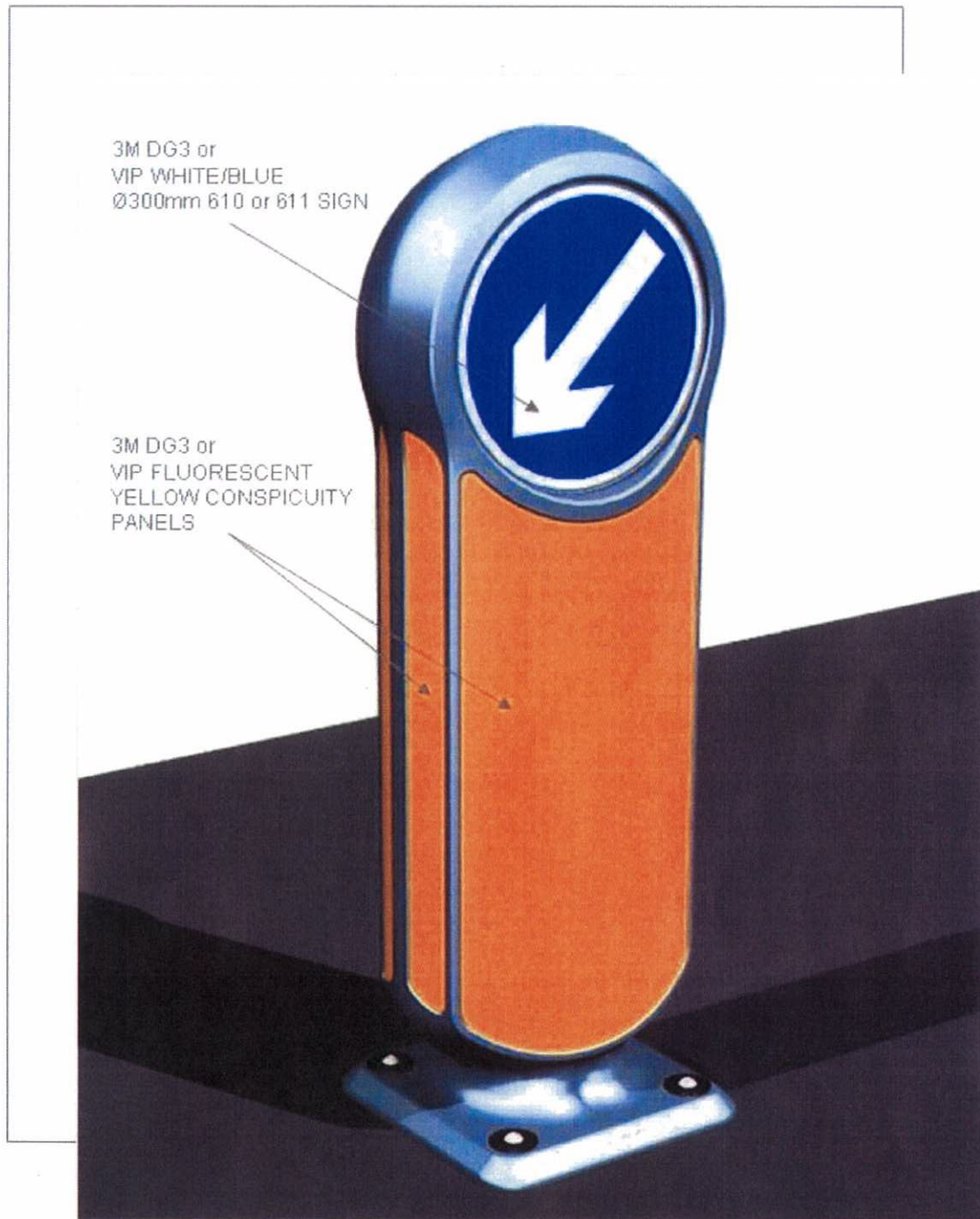
.....
[Redacted Signature]

A Delegated Official of the Department for Transport



Rebound Sign Carrying Bollard (Bolt-Down)

Shown: Aircraft Grey Body (Other Options: Black or White)



Department for Transport

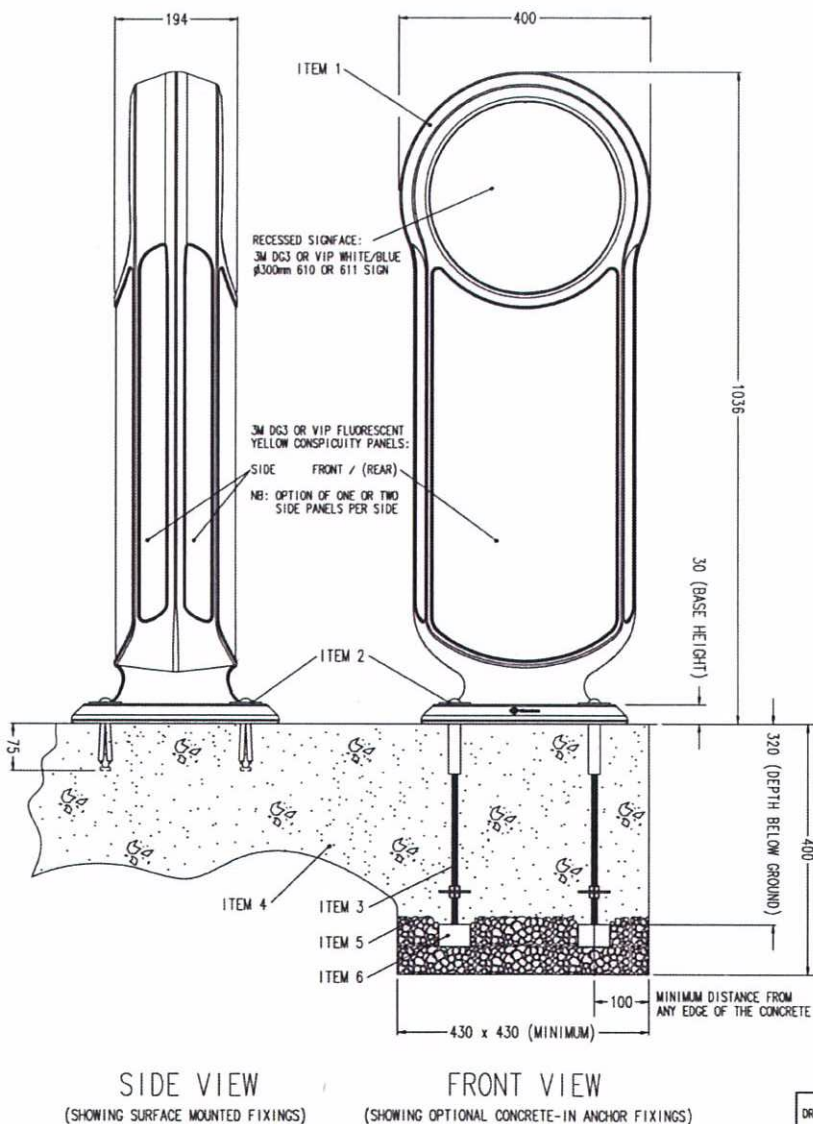
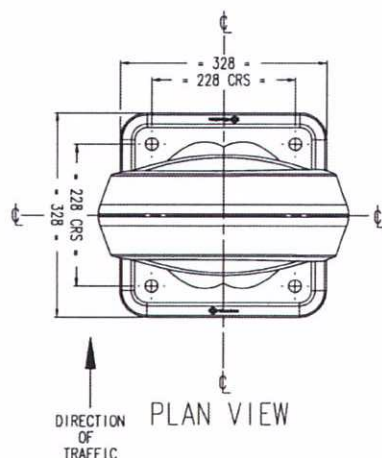
Date 11/10/11

No. 5750/007/0003-1

J Prowse 29/11/06

Page 1 of 11

MODEL SPECIFICATION REBOUND SIGNMASTER™ BOLLARD (BOLT-DOWN SURFACE MOUNTED & OPTIONAL CONCRETE-IN GROUND ANCHOR)



SIDE VIEW
(SHOWING SURFACE MOUNTED FIXINGS)

FRONT VIEW
(SHOWING OPTIONAL CONCRETE-IN ANCHOR FIXINGS)

PRODUCT INFORMATION:

- **WEIGHT** - BOLLARD - 6.0 Kg
FIXINGS - 0.6 Kg (SURFACE MOUNTED) OR 1.3 Kg (OPTIONAL C.I.A.F.)
TOTAL - 6.6 Kg / 7.3Kg
- **MATERIAL** - BOLLARD: - IMPACTAPOL®
FIXINGS: - SCREWS - STAINLESS STEEL
- WASHERS - STAINLESS STEEL
- SPACERS - RIGID PVC
- ANCHORS - MS B2P
- OPTIONAL C.I.A.F. - MS B2P
- **BODY COLOURS** - BLACK / WHITE / AIRCRAFT GREY
- **DIMENSIONS** - ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.

INSTALLATION GUIDE:

- **ITEM 1 - REMOVABLE BOLLARD**
- **ITEM 2 - GROUND FIXINGS (4 OFF):**
 - M10 x 100mm SOCKET HEAD SCREW
 - M10 x 50 x 3mm WASHER
 - M10 x 60mm ANCHOR
 - M10 x 19 x 28mm SPACER
- **ITEM 3 - OPTIONAL CONCRETE-IN ANCHOR FIXING (C.I.A.F.)**
- **ITEM 4 - SOLID CONCRETE FOUNDATION OR QUICK SETTING CONCRETE (eg. GRADE QC10)**
- **ITEM 5 - GRAVEL**
- **ITEM 6 - SUPPORT BLOCK:**
CAN BE ANYTHING SOLID TO ENSURE BOLLARD IS SUPPORTED AT THE CORRECT HEIGHT UNTIL THE CONCRETE HAS SET.
- **ENSURE THAT ANY SIGNFACE FACES TOWARDS ONCOMING TRAFFIC.**
- **FOR SURFACE MOUNTED FIXING:**
4 HOLES TO BE DRILLED FOR GROUND FIXING ANCHORS AND SCREWS 16mm x 75mm (MIN DEPTH). ENSURE THE HOLES ARE LOCATED AT LEAST 100mm FROM ANY EDGE OF THE CONCRETE FOUNDATION.
WE RECOMMEND INSTALLING THE BOLLARD ON AN EXISTING SOUND CONCRETE FOUNDATION, OR FOR SPEED, PREPARING THE SITE WITH QUICK SETTING CONCRETE (eg. GRADE QC10). BUT EXACT INSTALLATION REQUIREMENTS SHOULD BE ASSESSED FROM A SITE SURVEY.
- **FOR OPTIONAL CONCRETE-IN ANCHOR FIXING (C.I.A.F.):**
FIX THE FOUR 'CONCRETE-IN FIXINGS' TO THE BOLLARD BEFORE INSTALLATION, AS THIS WILL ENSURE FIXING CENTRES ARE CORRECT AND PREVENT THE NEED TO REVISIT THE SITE ONCE CONCRETE HAS SET.
RECOMMENDED MINIMUM HOLE SIZE: 430x430x400mm DEEP.
IF DEPTH IS RESTRICTED TO LESS THAN 400mm THEN THE 'CONCRETE-IN ANCHOR FIXINGS' CAN BE CUT DOWN IF REQUIRED, HOWEVER WE RECOMMEND USING THE SAME VOLUME OF CONCRETE BY INCREASING THE WIDTH OF THE HOLE TO COMPENSATE.
FOR SPEED WE RECOMMEND INSTALLING WITH QUICK SETTING CONCRETE (eg. GRADE QC10) BUT EXACT INSTALLATION REQUIREMENTS SHOULD BE ASSESSED FROM A SITE SURVEY.
- **AVOID CONTACT WITH HOT TARMACADAM AS THIS WILL SERIOUSLY IMPAIR THE PERFORMANCE OF THE BOLLARD.**

OPTIONAL PARTS:

- **OPTIONS AVAILABLE FOR THE PRODUCT:**
 - BODY C/W FRONT, 1xLH & 1xRH CONSPIQUITY PANELS
 - BODY C/W FRONT, 2xLH & 2xRH CONSPIQUITY PANELS
 - BODY C/W FRONT, REAR, 2xLH & 2xRH CONSPIQUITY PANELS
 - + A RANGE OF AUTHORISED SIGNFACES &/OR WHITE DISC
- **SPARES ARE AVAILABLE, WHICH INCLUDE:**
 - BOLLARD C/W FIXINGS & RETROREFLECTIVE PATCHES
 - BOLLARD ONLY
 - RANGE OF SIGNFACES
 - FIXINGS

TECHNICAL DATA:

- **SURFACE AREA OF CONSPIQUITY PANELS:**
 - FRONT = 161,701mm² (PROJECTED)
 - SINGLE SIDE = 24,255mm²
 - OPTIONAL DOUBLE SIDE = 48,510mm²
- **SURFACE AREA OF SIGNFACE = 70,686mm²**

RETROREFLECTIVE SELF RIGHTING BOLLARD

DRG. TITLE	
PROJECT	
DRG. No.	PROJECT No.
SCALE	DATE
DRAWN BY	CHECKED

Glasdon UK Limited
 Preston New Road, Blackpool
 Lancashire, FY4 4UL
 Telephone: 01253 600400
 Facsimile: 01253 792558
 E-mail: sales@glasdon-uk.co.uk
 Web Site: www.glasdon.com

SPECIFICATION NUMBER - 02S066-503 ISSUE 3
 © GLASDON UK LTD 06/04/05 SHEET SIZE: A2

APPROVED
Quark

USED ON

USED ON

DIMS IN MILLIMETRES

DRAWN FROM

DRAWN FROM

THIRD ANGLE PROJECTION



MODS
ISSUE

A
FIRST ISSUE

B

NOTES
REGARDING
PRODUCTION
DELETED.
REAR FLECTA
OPTION
ADDED.
TABLE
ADDED.
DM 31/01/07

C

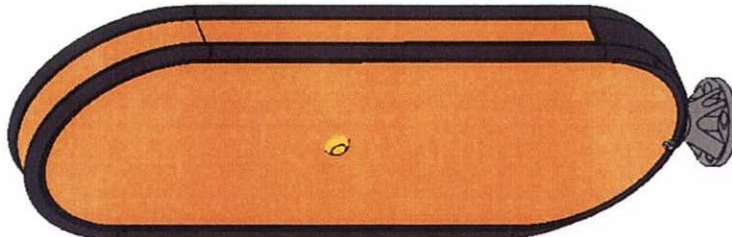
PICTORIAL
CHANGES
DM 02/02/07

D

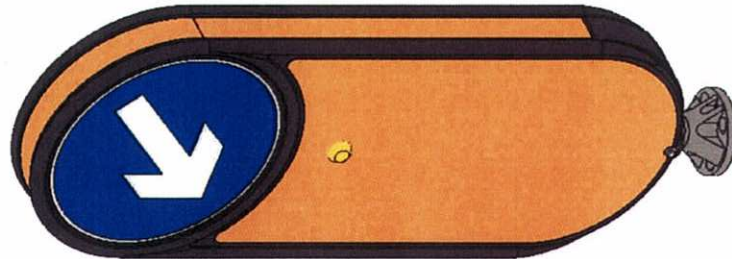
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SHORTENED
COLOURS
ALTERED
BS308 REFS
DELETED.
DM 08/02/07



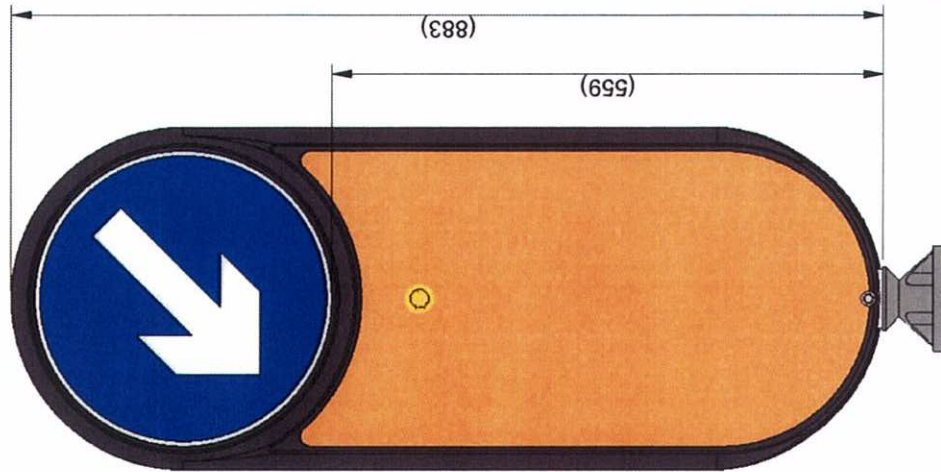
REAR ISOMETRIC VIEW
WITHOUT OPTIONAL
REAR REFLECTOR



REAR ISOMETRIC VIEW
WITH OPTIONAL
REAR REFLECTOR



FRONT ISOMETRIC VIEW



FRONT ELEVATION



SIDE ELEVATION

SIGN FACE D610:
BORDER WHITE 4090
BACKGROUND BLUE 4095
ARROW WHITE 4090
DIAMETER 300mm
DG3.

APPROX FACING DIMENSIONS:
WIDTH: 300mm
HEIGHT: 515mm
AREA: 151,558 sq.mm
DG3 (BS8408:2005)
FLUORESCENT YELLOW
4081

SIDE STRIP:

WIDTH: 40mm
HEIGHT: SIDE FLAT PLUS TOP
DG3 (BS8408:2005)
FLUORESCENT YELLOW
4081

MATERIAL:

POLYPROPYLENE BODY
VACUUM FORMED IN
BLACK, GREY OR WHITE.

dewhurst

TITLE METRO BOLLARD)

TMP Limited
(Part of the Dewhurst group)

TELEPHONE
UK +44 (0)1342 844437
Ireland +353 87 24 23 634

TMP
TRAFFIC MANAGEMENT PRODUCTS

GENERAL M/C TOLERANCES
ANG DIMS: ± 0.5 mm
ANG DIMS: ± 0.25 mm
IMP. DECIMAL DIMS: ± 0.005
ANG DIMS: ± 0.5 mm
ANG DIMS: ± 0.25 mm
IMP. DECIMAL DIMS: ± 0.005

DRG SIZE
A3

DRG No

558022-000005001

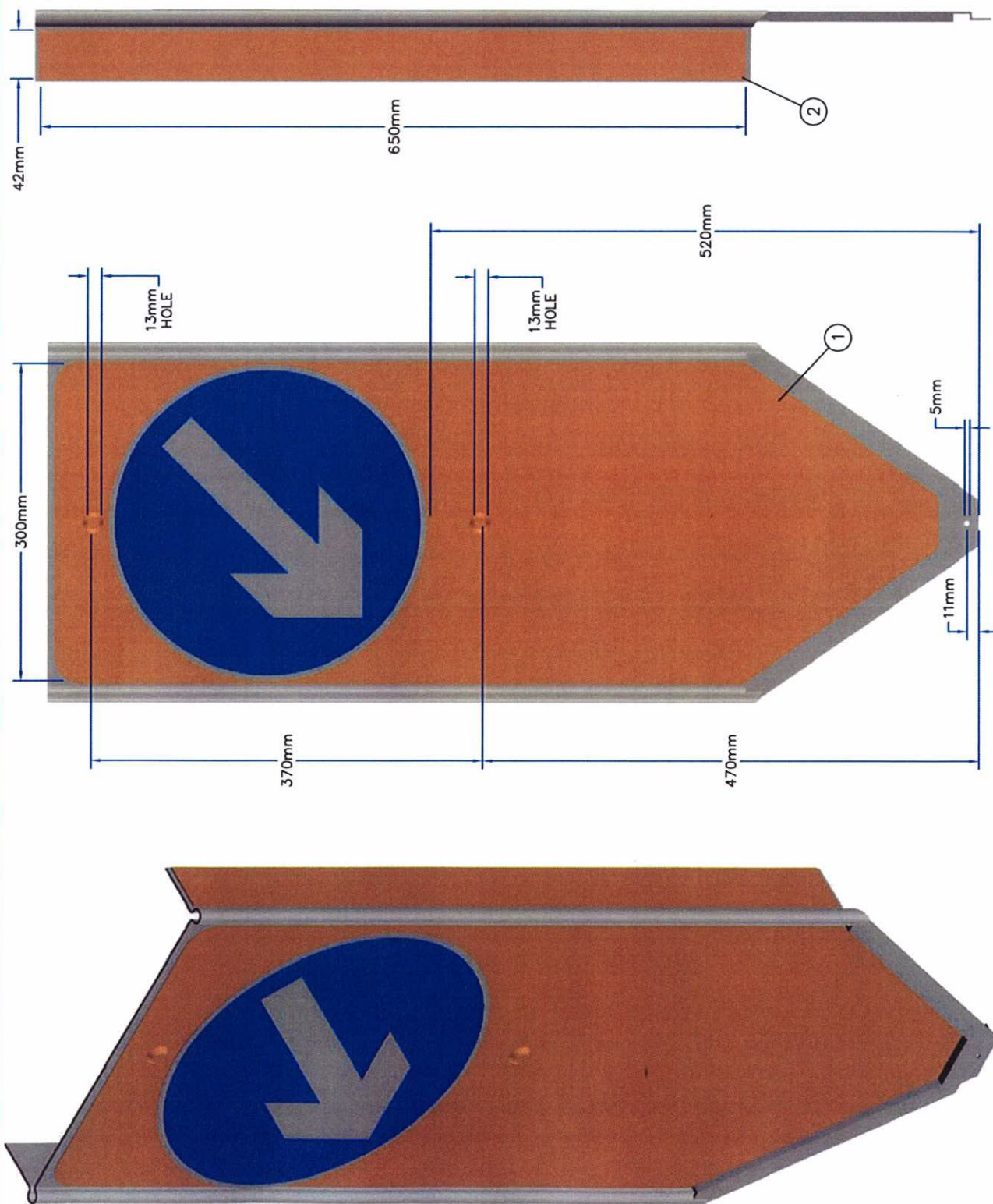
DRN D.MEEK

SCALE

NTS

CHKD
SEE TOP LEFT OF SHEET 1
FOR APPROVED SIGNATURE

DATE 22/01/07



SYMBOL P610:
ARROW WHITE 4090
BACKGROUND BLUE 4095
BORDER WHITE 4090
DIAMETER 300mm
DG3 (BS8408:2005)

① FACING DIMENSIONS:
WIDTH: 300mm
HEIGHT: 825mm
AREA: 0.22sq.m
DG3 (BS8408:2005)
FLUORESCENT YELLOW
4081

② SIDE STRIPS:
WIDTH: 40mm
HEIGHT: 650mm
DG3 (BS8408:2005)
FLUORESCENT YELLOW
4081

MATERIAL:
VACUUM FORMED
POLYPROPYLENE
GREY, WHITE OR BLACK

Approved by:

Date:

Design by DJN

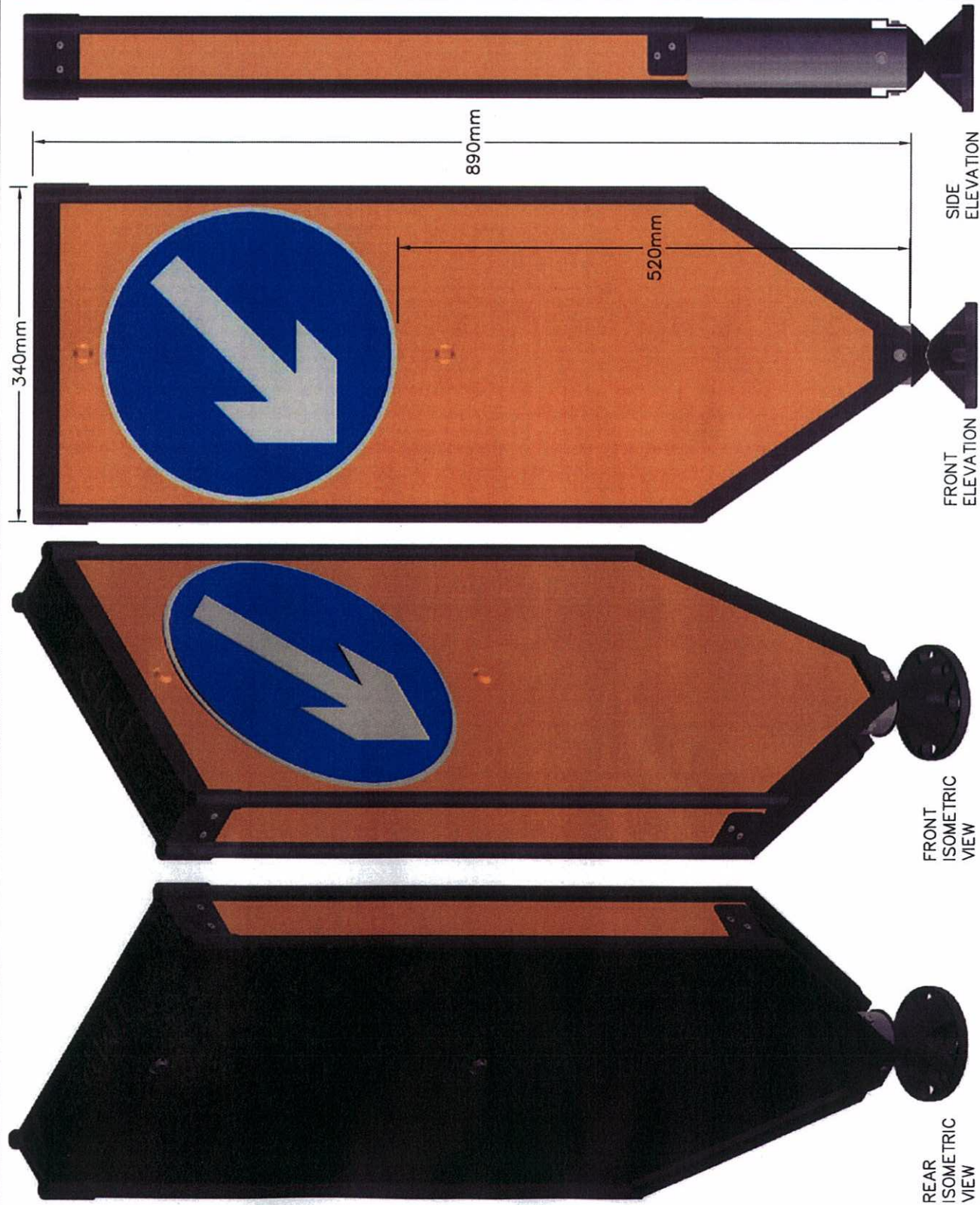
Drawn by AC

Tolerance $\pm 1.0\text{mm}$

Revision # 2

Date 8/9/2006

Reference 4200040



SIGN FACE P610:
BORDER WHITE 4090
BACKGROUND BLUE 4095
ARROW WHITE 4090
DIAMETER 300mm
DG3 (BS8408:2005)

DRILL HOLES
11MM-5MM DIAMETER
470MM-13MM DIAMETER
840MM-13MM DIAMETER

YELLOW FACINGS FRONT
AND SIDES EXTEND
UNDER THE TOP CAP

FACING DIMENSIONS:
WIDTH: 300mm
HEIGHT: 825mm
AREA: 0.22sq.m
DG3 (BS8408:2005)
FLUORESCENT YELLOW
4081

SIDE STRIPS:
WIDTH: 40mm
HEIGHT: 650mm
DG3 (BS8408:2005)
FLUORESCENT YELLOW
4081

MATERIAL:
VACUUM FORMED
POLYPROPYLENE
GREY, WHITE OR BLACK

Approved by:

Date:

Design by DJN

Drawn by AC

Tolerance $\pm 1.0\text{mm}$

Revision # 3

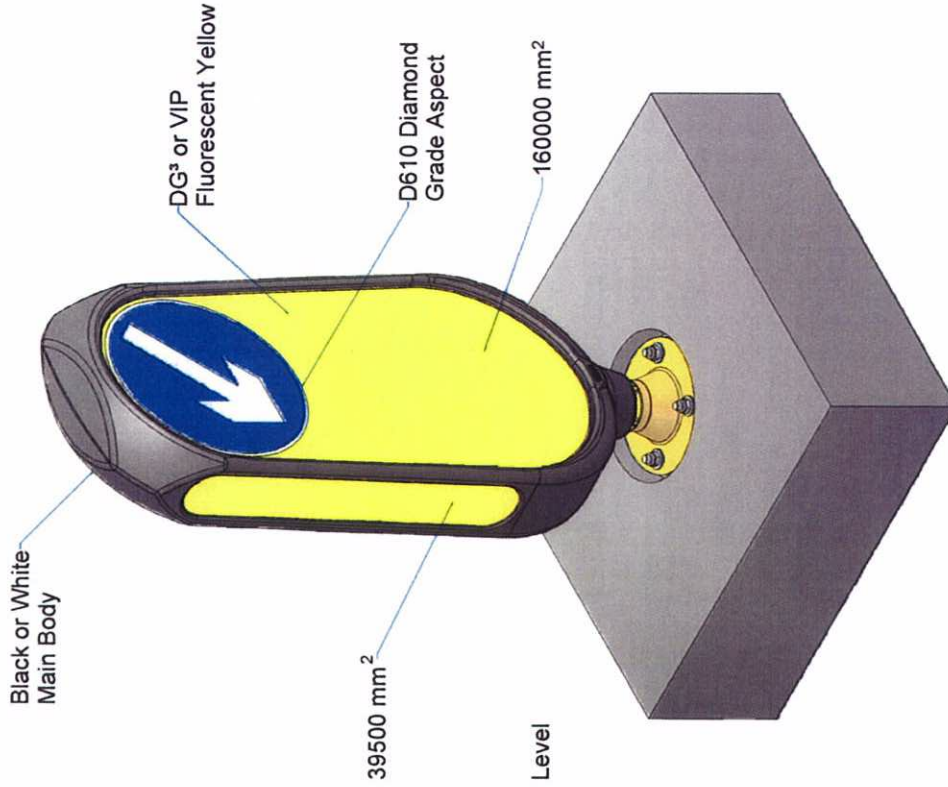
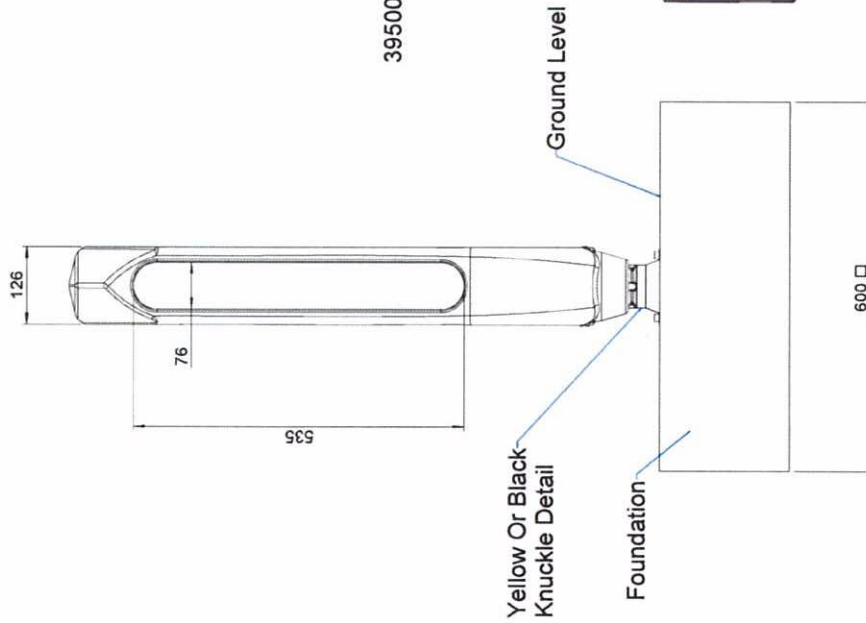
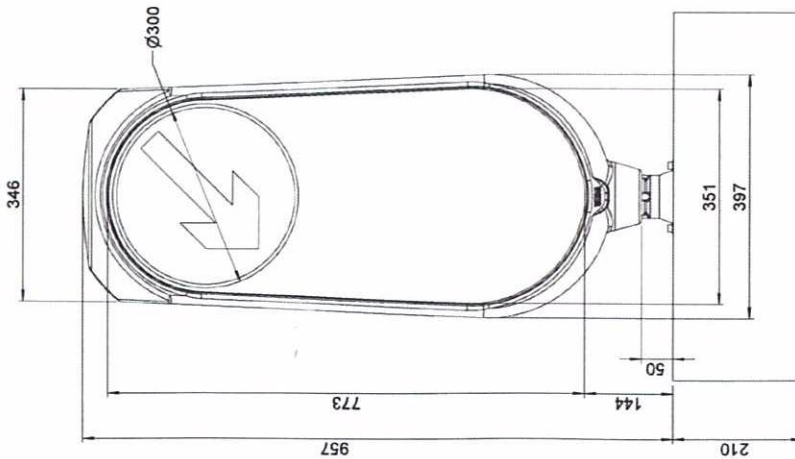
Date 22/9/2006

Reference 4200077



If In Doubt Ask
Sheet 1 Of 1

Dwg No	WeebolGA.dwg
Part No	Weebol03
Project No	



04	24/07/06	Body Colour Changed And DG³ Material Added
03	10/11/05	Logo Moved to Back Face
02	19/10/05	Foundation Block Added
01	12/11/04	Original

C

Modification

Scale A1
(1 : 4)

Simmons Signs Limited

Stafford Park 5, Telford, Shropshire, TF3 3AS
Tel :- 01952 293333 Fax :- 01952 293555
Email :- sales@simmons signs.co.uk

Drawn By
Mark Tudor

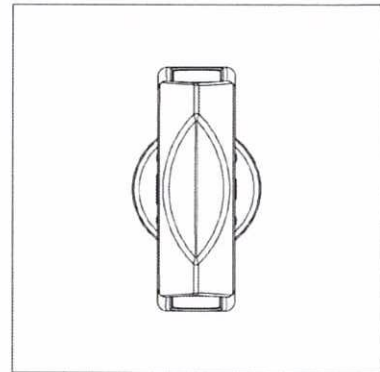
Date
15/11/2004

Checked By

Gen Tol
± 1.0

Mass
Kg

Title
Weebol 300mm Reflective Bounce Back Bollard



Finish

Material

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IF IN DOUBT ASK

REVISION

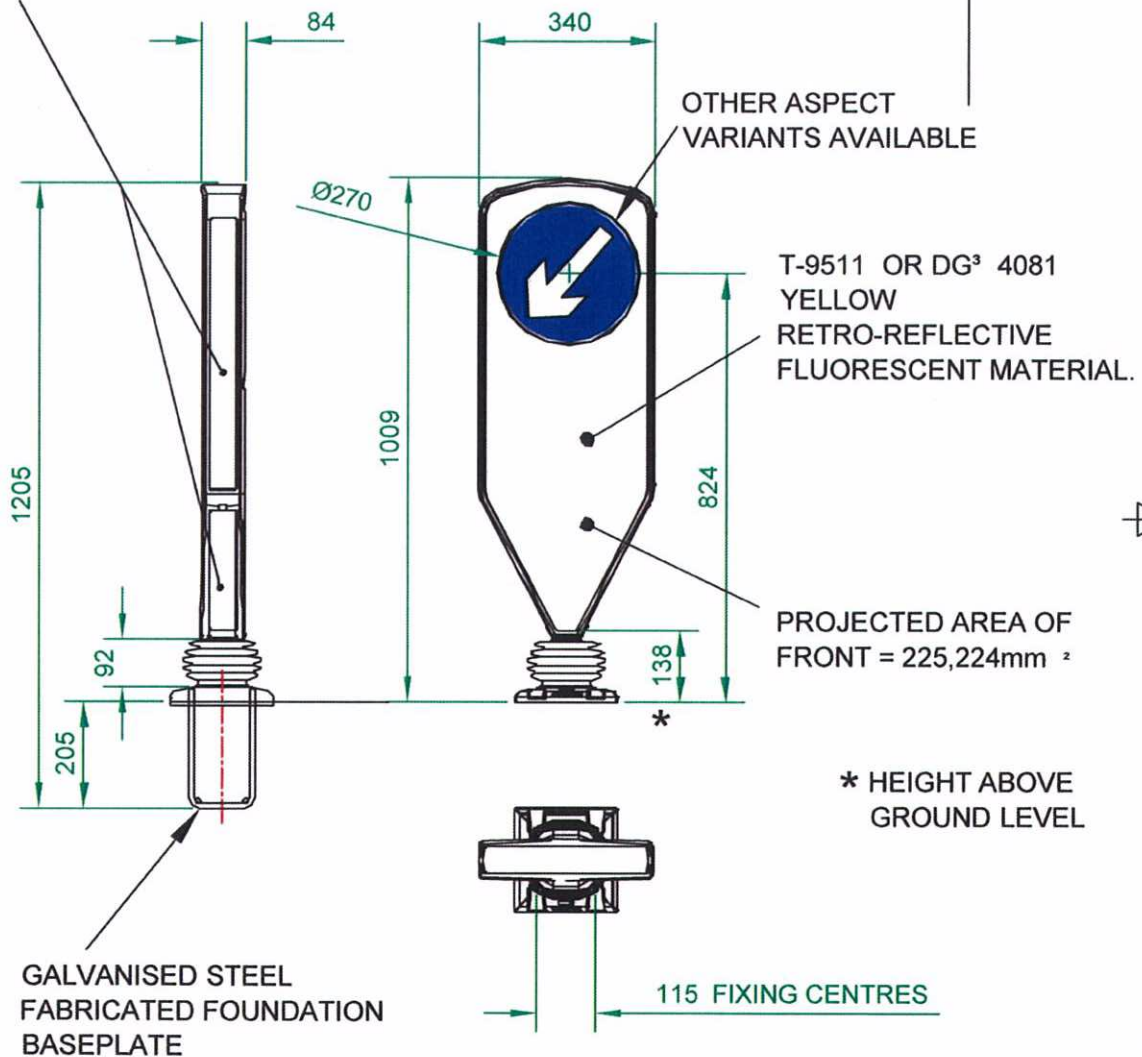
/A FIRST ISSUE KR
26-12-17

/B GEN. REVISED
21-13-17

/C REFLECTIVE MATERIAL
DETAILS ADDED: #271
DIM ADDED:
14-14-17

PROJECTED AREA
OF EACH SIDE =
 $35,558\text{mm}^2$

SINGLE OR DOUBLE ASPECT; I.E.
SINGLE OR DOUBLE SIDED.



QA Form No. PG21c Iss. 2

MAT. _

SPEC. _

FIN. _

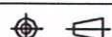
STOCK No. _

Drn.by

K. RAM

Checked by

Approved by - date



THIRD ANGLE PROJECTION

FILENAME

L6084C

DATE

04-04-07

SCALE

N.T.S.

Signature Ltd

SIGNATURE HOUSE
HANGE ROAD
TMDALE, OLDBURY
B69 2NF
0121 557 1234

TOLERANCE

$\pm 0.5\text{mm}$

ANGULAR TOLERANCE

$\pm 1^\circ$

ALL DIMENSIONS ARE IN MM
OTHERWISE STATED.

TITLE LAYOUT OF TRUEFLEX BOLLARD

DWG. No.

L6084

REVISION

C

Sheet

1 OF 1

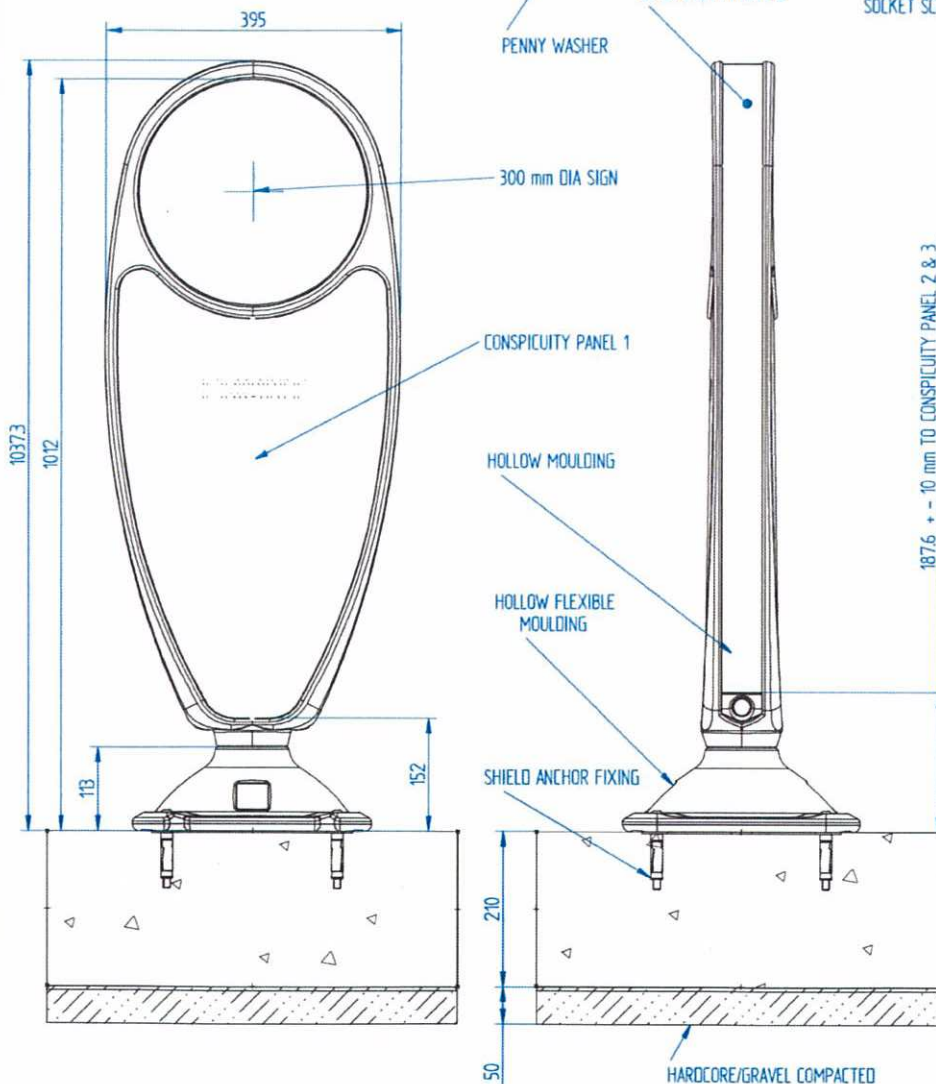
DO NOT SCALE
IF IN DOUBT - ASK

DETAIL A

FRONT INDICATOR ON THE BASE
MOULDING SHOULD ALWAYS BE
MOUNTED SO THIS SIDE IS FACING
ONCOMING TRAFFIC

DIRECTION OF ONCOMING TRAFFIC

PRODUCT TO BE SITED
90 DEGREES TO DIRECTION OF TRAFFIC



DESIGN				
ENGINEERING				
QUALITY				
PRODUCTION				
DATE	MODIFICATIONS	DCN No	ISS	CHKD
28/9/09	NEW DRAWING	XX-XX	1	
4/2/10	SPEC UPDATED	05-10	1	
NIGHTOWL BODY AND BOUNCE BACK BASE MATERIALS:				
- HOLLOW BODY MOULDING MDPE				
- HOLLOW BASE MOULDING FLEXIBLE PE				
300 DIA SIGN FACES				
- 3M DIAMOND GRADE DG3 WHITE REFLECTIVE VINYL OR ALTERNATIVE MATERIAL APPROVED TO BS8408				
CONSPIQUITY PANEL 1 - FRONT PANEL				
- COMPLIES WITH THE REQUIREMENTS OF BS8442:2006. MATERIAL - 3M DIAMOND GRADE DG3 FLUORESCENT YELLOW REFLECTIVE VINYL OR ALTERNATIVE APPROVED TO BS8408 160,999 mm ² METERS PROJECTED AREA				
CONSPIQUITY PANEL 2 & 3 - (SIDE PANELS)				
- COMPLIES WITH THE REQUIREMENTS OF BS8442:2006. MATERIAL - 3M DIAMOND GRADE DG3 FLUORESCENT YELLOW REFLECTIVE VINYL OR ALTERNATIVE APPROVED TO BS8408 44,802 mm ² METERS PROJECTED AREA PER SIDE				
COMPONENTS USED TO ASSEMBLE PRODUCT (EXCLUDING GROUND FIXINGS)				
1. (X1) - M8 FORMC WASHER 20mm OD 1.6mm THICK - STAINLESS STEEL				
2. (X1) - M8 x 13mm DYNAFIX - ZINC DIECAST				
3. (X1) - M10 x 120mm SOCKET HEAD CAP SCREW - STAINLESS STEEL				
4. (X2) BOLT CAP - 25mm Dia X 11.5mm - LDPE				
GROUND FIXING:				
SURFACE MOUNT FIXING				
1. (X4) M10 x 100mm BUTTON HEAD SOCKET SCREW - STAINLESS STEEL				
2. (X1) - M10 PENNY WASHER 50mm OD 3mm THICK - STAINLESS STEEL				
3. (X4) M10 SHIELD ANCHOR 16 mm x 60 mm MILD STEEL B2P OR EQUIVALENT OF SAFE WORKING LOAD 6 KN				
4. (X4) COMPRESSION SPACER - 10MM ID 22mm OD X 20mm - NYLON				
TO SURFACE MOUNT BOLLARD, DRILL 4 HOLES OF 16mm x 80mm (MIN DEPTH) INTO SUITABLE GOOD FOUNDATION OR PREPARE SITE TO THE FOLLOWING FOUNDATION SPEC BEFORE INSTALLING.				
FOUNDATION TO CONSIST OF STRUCTURAL CONCRETE SPEC (MINIMUM C20/25) OF SIZE 550x550x210 WITH 50 mm OF HARDCORE (SITE SURVEY MUST BE USED TO ASCERTAIN SUITABILITY OF FOUNDATION.				
IF THE WIDTH OF THE CONCRETE FOUNDATION IS UNDER THE REQUIRED 550 MM SQUARE FOOTING IT IS RECOMMENDED TO INCREASE DEPTH OF FOUNDATION TO OBTAIN PROPORTIONAL VOLUME IN FOUNDATION.				
NOTE. MINIMUM DISTANCE FROM ANCHOR TO EDGE OF CONCRETE SHOULD BE NO LESS THAN 160mm				
PRODUCT VARIANTS				
1) NIGHTOWL STANDARD - WITH 300 DIA SIGN FACE WITH CONSPIQUITY PANEL 1 ON FRONT AND CONSPIQUITY PANEL 2 & 3 COVERING THE SIDES.				
2) NIGHTOWL STANDARD - CONSPIQUITY PANEL 1 ON THE BACK				
3) NIGHTOWL STANDARD - PANEL 1 ON THE BACK - 300 DIA SIGN ON BACK.				
No reproduction or publication of this drawing may be made and no article may be manufactured or assembled in accordance with this drawing without prior written consent. This publication is a team effort and is not to be used in any way without reference to this drawing.				
L I N P A C LRPAC Environmental Leeds City Leeds Industrial Estate Leeds LS10 1JQ Tel: 0113 2751000 Fax: 0113 2751001 Web: www.lrpacenvironmental.com				
NOT TO SCALE				
Product: NIGHT OWL				
Designed by: A Edwards				
Checked by: NIGHT OWL - SURFACE MOUNT				
DATE: 19/05/09				
SPECIFICATION				
PC No	DCN No	ISS	CHKD	Sheet No
81707/1	1707A01			SHEET 1 OF 1

NIGHTOWL SURFACE MOUNT

NOTE - THIS IS A NON ILLUMINATED PRODUCT - RESTRICTIONS APPLY TO ITS USE. AUTHORIZATION FOR USE MUST BE OBTAINED FROM THE DFT.

ALL DIMENSIONS IN mm

3rd Angle Projection

DO NOT SCALE
IF IN DOUBT - ASK

DETAIL A

FRONT INDICATOR ON THE BASE
MOULDING SHOULD ALWAYS BE
MOUNTED SO THIS SIDE IS FACING
ONCOMING TRAFFIC

DIRECTION OF ONCOMING TRAFFIC

PRODUCT TO BE SITED
90 DEGREES TO DIRECTION OF TRAFFIC

PENNY WASHER

BUTTON HEAD
SOCKET SCREW

CONSPIQUITY PANEL 2

300 mm DIA SIGN

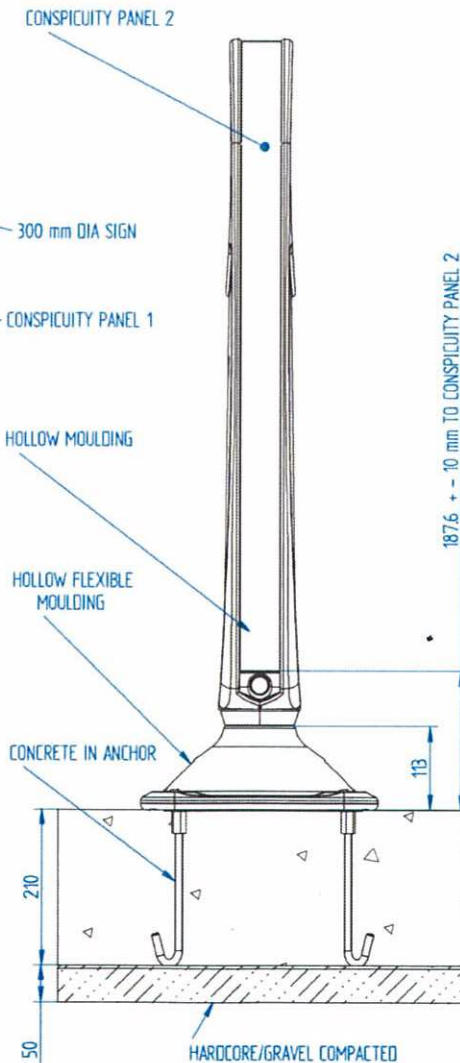
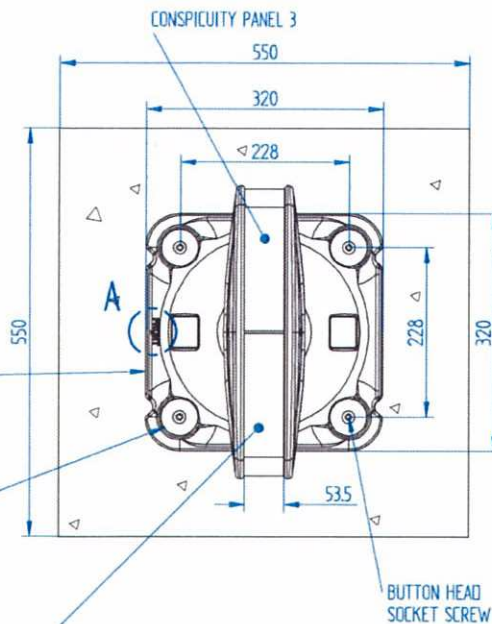
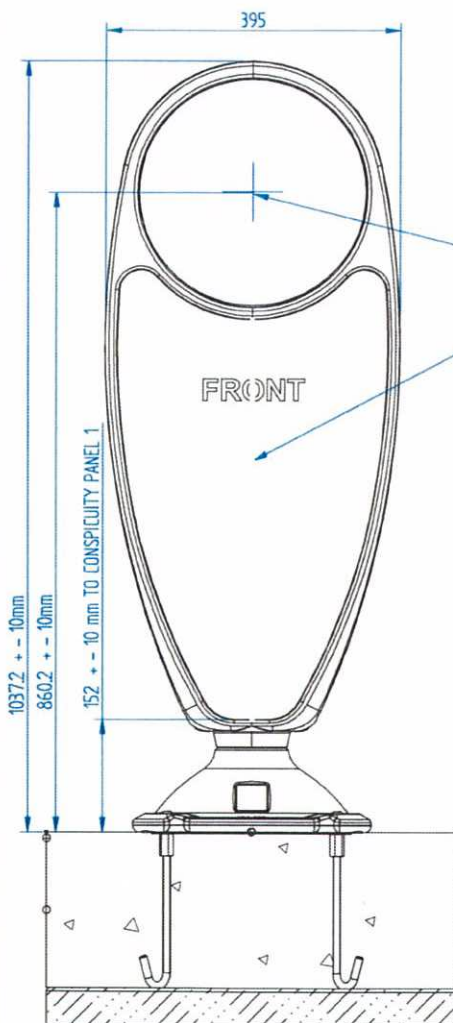
CONSPIQUITY PANEL 1

HOLLOW MOULDING

HOLLOW FLEXIBLE
MOULDING

CONCRETE IN ANCHOR

HARDCORE/GRAVEL COMPACTED



NIGHTOWL CONCRETE IN¹

(RECOMMENDED FIXING)

NOTE - THIS IS A NON ILLUMINATED PRODUCT - RESTRICTIONS APPLY TO ITS USE.
AUTHORISATION FOR USE MUST BE OBTAINED FROM THE DFT.

ALL DIMENSIONS IN mm

3rd Angle Projection

DESIGN				
ENGINEERING				
QUALITY				
PRODUCTION				
DATE	MODIFICATIONS	DCN No	ISS	CHKD
28/9/09	NEW DRAWING	XX-XX	1	
4/2/10	SPECIFICATION UPDATED	06-10	2	
NIGHTOWL BODY AND BOUNCE BACK BASE MATERIALS: - HOLLOW BODY MOULDING MOPE - HOLLOW BASE MOULDING FLEXIBLE PE 300 DIA SIGN FACES - 3M DIAMOND GRADE DG3 WHITE REFLECTIVE VINYL OR ALTERNATIVE APPROVED TO BS8408 CONSPIQUITY PANEL 1 - (FRONT PANEL) - COMPLIES WITH THE REQUIREMENTS OF BS8442:2006. MATERIAL - 3M DIAMOND GRADE DG3 FLUORESCENT YELLOW REFLECTIVE VINYL OR ALTERNATIVE APPROVED TO BS8408 160,999 mm² METERS PROJECTED AREA CONSPIQUITY PANEL 2 & 3 (SIDE PANELS) - COMPLIES WITH THE REQUIREMENTS OF BS8442:2006. MATERIAL - 3M DIAMOND GRADE DG3 FLUORESCENT YELLOW REFLECTIVE VINYL OR ALTERNATIVE APPROVED TO BS8408 44,802 mm² METERS PROJECTED AREA PER SIDE COMPONENTS USED TO ASSEMBLE PRODUCT (EXCLUDING GROUND FIXINGS): 1. (X1) - M8 FORMC WASHER 20mm OD 1.6mm THICK - STAINLESS STEEL 1. (X1) - M8 x 13mm DYNAFIX - ZINC DIECAST 1. (X1) - M10 x 120mm SOCKET HEAD CAP SCREW - STAINLESS STEEL 1. (X2) BOLT CAP - 25mm Dia X 11.5mm - LPE GROUND FIXING: CONCRETE IN FIXING 1. (X4) M10 x 40mm BUTTON HEAD SOCKET SCREW - STAINLESS STEEL 1. (X1) - M10 PENNY WASHER 50mm OD 3mm THICK - STAINLESS STEEL 1. (X4) LPE CONCRETE IN SOCKET ANCHOR M10 X 210MM LONG (OR EQUIVALENT HEAVY DUTY CONCRETE IN FIXING INSERT OF MIN AXIAL LOAD RATING 600 kg) 1. (X4) COMPRESSION SPACER - 10MM ID 22mm OD X 20mm - NYLON FOUNDATION TO CONSIST OF STRUCTURAL CONCRETE SPEC (MINIMUM C20/25) OF SIZE 550x550x210mm WITH 50 mm OF HARDCORE (SITE SURVEY MUST BE USED TO ASCERTAIN SUITABILITY OF FOUNDATION SPEC REQUIRED). IF THE WIDTH OF THE CONCRETE FOUNDATION IS UNDER THE REQUIRED 550 mm SQUARE FOOTING IT IS RECOMMENDED TO INCREASE DEPTH OF FOUNDATION TO OBTAIN PROPORTIONAL VOLUME IN FOUNDATION. NOTE: MINIMUM DISTANCE FROM ANCHOR TO EDGE OF CONCRETE SHOULD BE NO LESS THAN 100mm PRODUCT VARIANTS 1) NIGHTOWL STANDARD WITH 300 DIA SIGN FACE WITH CONSPIQUITY PANEL 1 ON FRONT AND CONSPIQUITY PANEL 2 & 3 COVERING THE SIDES (SINGLE SIDED) 2) NIGHTOWL STANDARD - PANEL 1 ON BACK 3) NIGHTOWL STANDARD - PANEL 1 ON THE BACK - 300 DIA SIGN ON BACK (DOUBLE SIDED)				
NOT TO SCALE	Product	NIGHT OWL		
DRAWN BY	Checked	NIGHT OWL - CONCRETE IN		
DATE	CRD Type	SPECIFICATION		
19/05/09				
PC No	CRD No	Sheet No		
81707/11	1707A02	SHEET 1 OF 1		

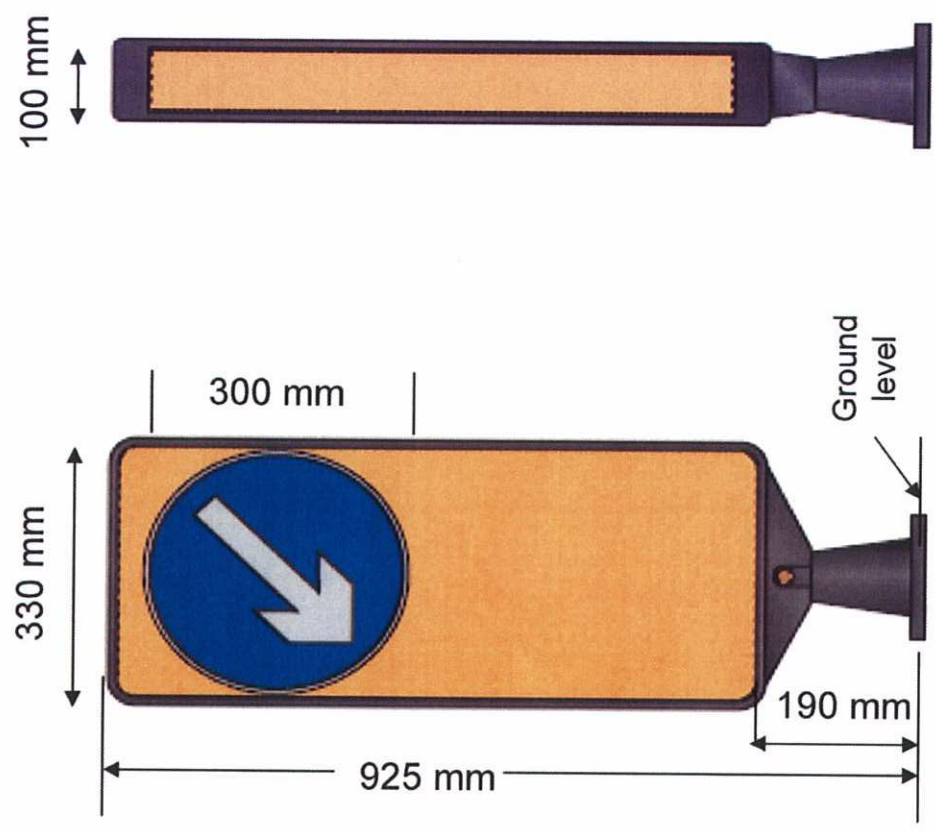
Cusack Dynaflex Retroreflective Self Righting Bollard (Non illuminated)

Complies to BS 8442 clause 14
Conspicuity panel details;
Fluorescent Yellow Crystal grade microprismatic sheeting, BS 8408 performance greater than 9.0 for V1 D3 A1 LB
Sign face; 300mm dia circle Crystal grade microprismatic sheeting
Front conspicuity panel area; 151, 666mm ²
Side conspicuity panels area (each); 51,205mm ²
Optional rear conspicuity panel area ; 151, 666mm ²



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Single sided or double sided options.

**SIZE OF POST- MOUNTED SIGNS TO DIAGRAM 610, 611, 615 OR 811 OF TSRGD 2002 TO BE USED IN CONJUNCTION
WITH NON-ILLUMINATED BOLLARDS AUTHORISED UNDER SECTION 64 OF THE ROAD TRAFFIC REGULATION ACT
1984**

Speed Limit	Minimum diameter of sign to diagram 610 Or 611	Minimum diameter of sign to diagram 615	Minimum width of sign to diagram 811
On roads where the maximum permitted speed is 20mph or 30mph	600mm	600mm	700mm (525mm when limit is 20mph)
On roads where the maximum permitted speed is 40mph or 50mph	750mm	750mm	875mm
On roads where the maximum permitted speed is 60mph	900mm	900mm	1050mm
On roads where the maximum permitted speed is 70mph	1200mm	Not used	Not used

Department for Transport
Date <u>14/10/11</u>
No. <u>5750/007/0003</u> -2