



GT50/153/0003

**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, on roads for which Stockport Metropolitan 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") conforming as to size, colour and character with the sign shown in the attached set of drawings numbered GT50/153/0003-1 save that the element incorporating the sign to diagram 610, as shown in the said set of drawings, may be varied to incorporate a sign to diagram 606, 611 or 616 in Schedule 2 or diagram 951, 955, 956 or 957 in Schedule 5 to the Traffic Signs Regulations 2002 (Part I of SI 2002/3113, "the 2002 Regulations"); and
2. 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 sign 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 sign and on that day the said authorisation shall, without prejudice to the giving of any further authorisation or direction, cease to have effect.



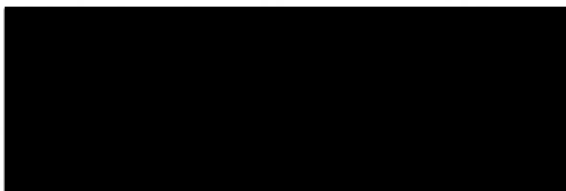
GT50/153/0003

The provisions of Regulations 12, 18 and 19 of the 2002 Regulations shall apply to the roundel incorporated in the authorised sign in the same manner as they apply to the same sign shown in diagrams 606, 611 or 616 in Schedule 2 or diagrams 951, 955, 956 or 957 in Schedule 5 to those Regulations.

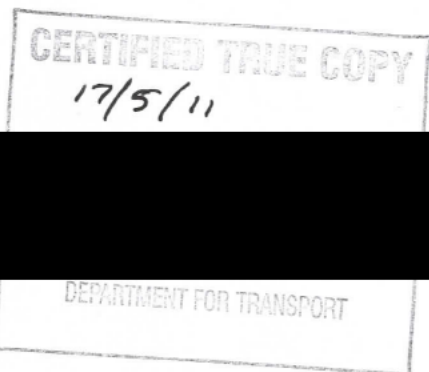
This authorisation replaces the earlier one dated 12th July 2007 under reference GT46/45/148 which is hereby revoked.

Dated 17 May 2011

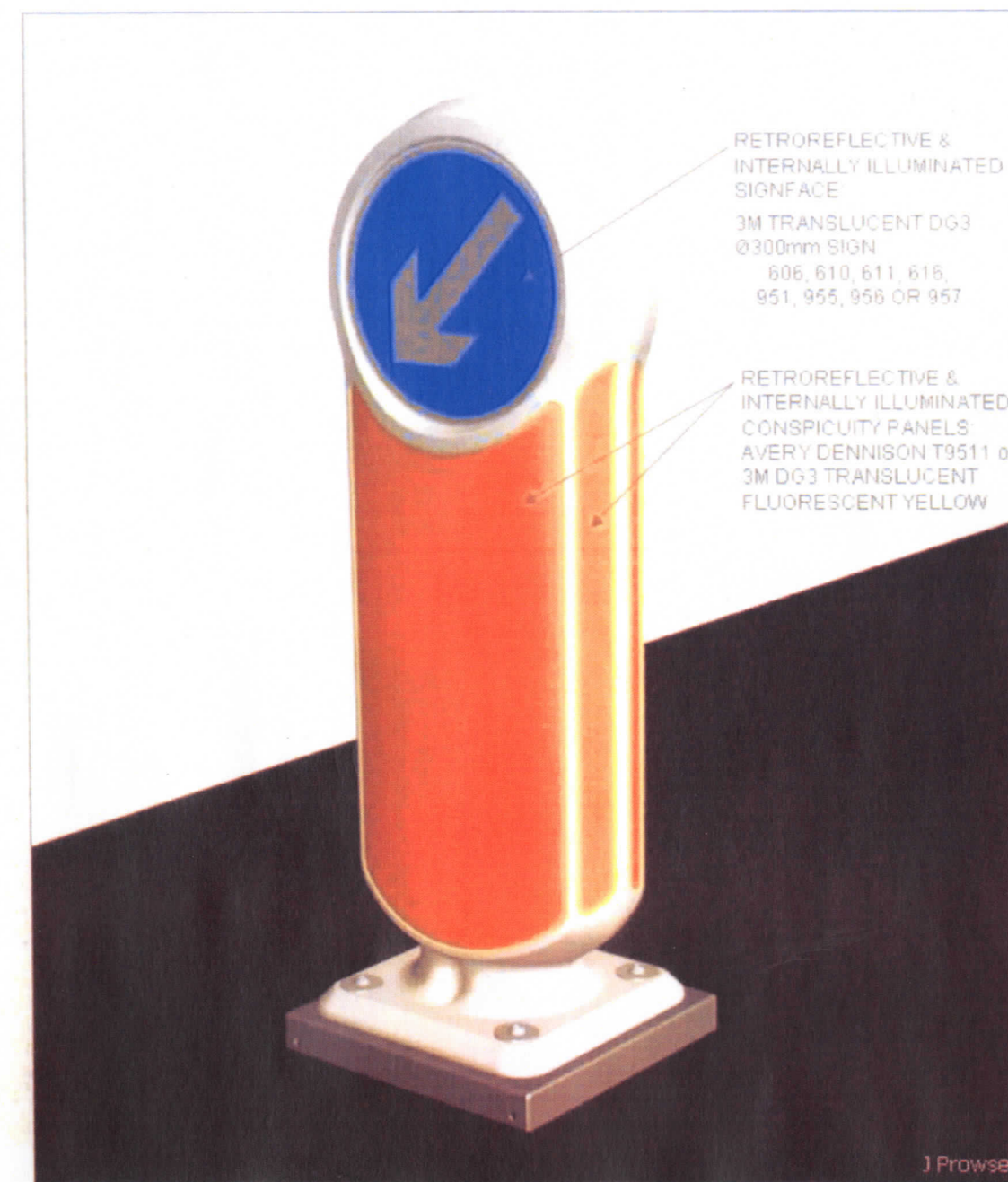
Signed by authority of the Secretary of State



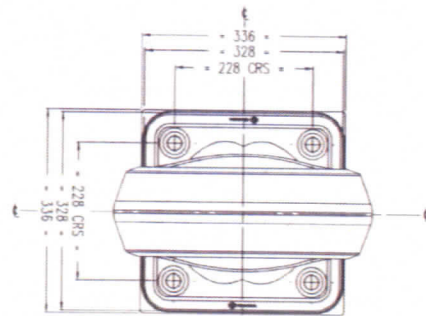
A Grade 7 Official of the Department for Transport



Retroreflective Bollard with Internal illumination
from a Baselight

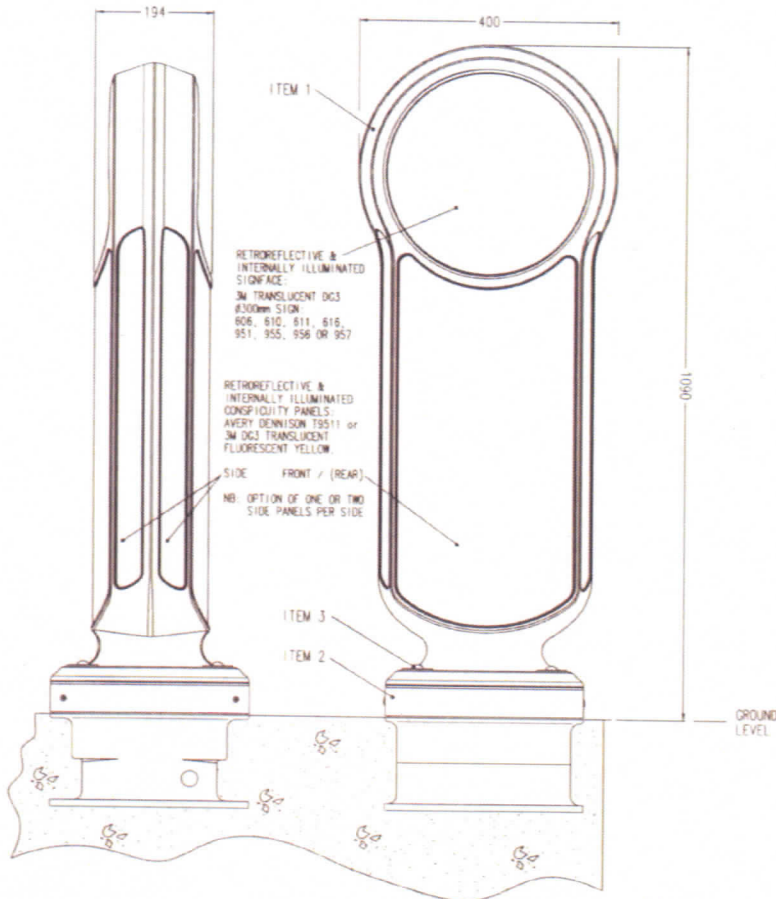


MODEL SPECIFICATION REBOUND SIGNMASTER™ BOLLARD (RETROREFLECTIVE BOLLARD WITH INTERNAL ILLUMINATION FROM A BASELIGHT)



PLAN VIEW

DIRECTION
OF TRAFFIC



SIDE VIEW

FRONT VIEW

(SHOWING PRE-INSTALLED TYPICAL LIGHTBOX - INSTALLED ONTO OPTIONAL LIGHTBOX ADAPTER PLATE)

PRODUCT INFORMATION:

- WEIGHT - BOLLARD - 6.0 Kg
- FIXINGS - 1.0 Kg
- ADAPTOR PLATE - 3.1 Kg
- TOTAL - 10.1 Kg

- MATERIAL - BOLLARD - IMPACTROL®
- ADAPTOR - MS GALVANISED
- FIXINGS - SCREWS - STAINLESS STEEL
- WASHERS - STAINLESS STEEL
- SPACERS - RIGID PVC

- BODY COLOUR - WHITE

- DIMENSIONS - ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.

INSTALLATION GUIDE:

- ITEM 1 - REMOVABLE BOLLARD
- ITEM 2 - ADAPTOR PLATE (VARIOUS TYPES DEPENDANT ON LIGHTBOX FITTING)
- ITEM 3 - FIXINGS (4 OFF):
 - M10 x 50mm SOCKET HEAD SCREW - S/S
 - M10 x Ø50 x 3mm WASHER - PONDOR COATED S/S
 - M10 x Ø19 x 28mm SPACER - RIGID PVC

- ENSURE THAT ANY SIGNFACE FACES TOWARDS ONCOMING TRAFFIC.

- FIXING TO EXISTING BASELIGHTS:

USE THE APPROPRIATE ADAPTER PLATE RELATIVE TO THE TYPE OF BASELIGHT. FOLLOW THE SEPARATE FIXING INSTRUCTIONS SUPPLIED.

- USE OF LED BASELIGHT:

FOLLOW THE SEPARATE FIXING INSTRUCTIONS SUPPLIED.

OPTIONAL PARTS:

- OPTIONS AVAILABLE FOR THE PRODUCT:

- BODY C/W FRONT, 1xLH & 1xRH CONSPICUITY PANELS
- BODY C/W FRONT, 2xLH & 2xRH CONSPICUITY PANELS
- BODY C/W FRONT, REAR, 2xLH & 2xRH CONSPICUITY 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 CONSPICUITY PANELS:

- FRONT = 181,701mm² (PROJECTED)
- SINGLE SIDE = 24,255mm²
- OPTIONAL DOUBLE SIDE = 48,510mm²

- SURFACE AREA OF SIGNFACE = 70,686mm²

ORG. TITLE		 Glasdon UK Limited Preston New Road, Blackpool Lancashire, FY4 4BL Telephone: 01253 600400 Facsimile: 01253 792508 E-mail: sales@glasdon-uk.co.uk Web Site: www.glasdon.com
PROJECT		
ORG. No.	PROJECT No.	
SCALE	DATE	
DRAWN BY	CHECKED	
SPECIFICATION NUMBER - 025066-S00		ISSUE 2
© GLASDON UK LTD 02/07/07		SHEET SIZE: A2

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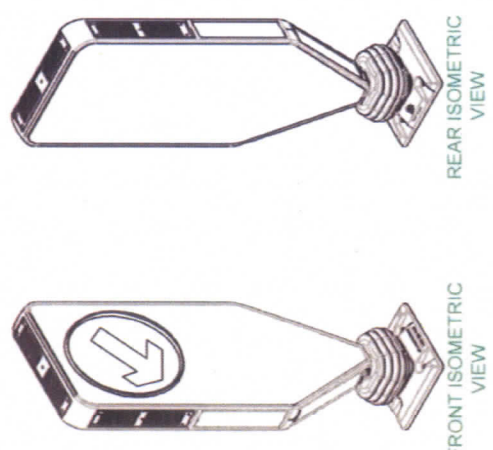
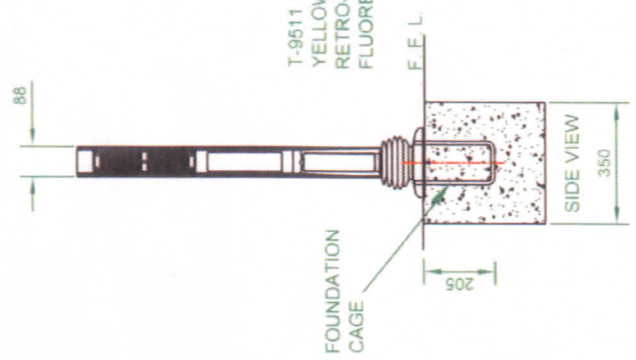
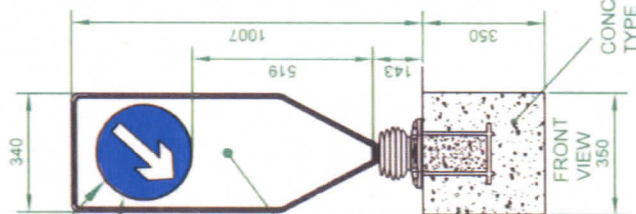
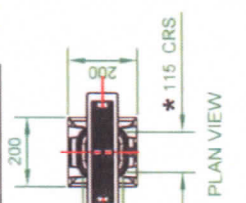


THIRD ANGLE PROJECTION

IF IN DOUBT ASK

REVISION	
/A FIRST ISSUE: DDR 441: KR 12-01-11	
/B OPTIONAL RETRO-REFLECTIVE DISCS DEL: DDR 441: KR 14-01-11	

TECHNICAL
 PROJECTED AREA OF FRONT = 230,362mm²
 PROJECTED AREA OF EACH SIDE = 23,250mm²
 LEDS = 2 off Cree High Power LED's Guarantee of 50,000 hours burn time.
 Batteries = Cyclon Non-spillable Lead-Acid Batteries Guaranteed for 5 Years with a Design Life of 7 to 10 Years
 Solar Panels = 3 Panels of Monocrystalline technology Guaranteed for 5 Years
 Bollard Body = Rotationally moulded made out of recyclable material.



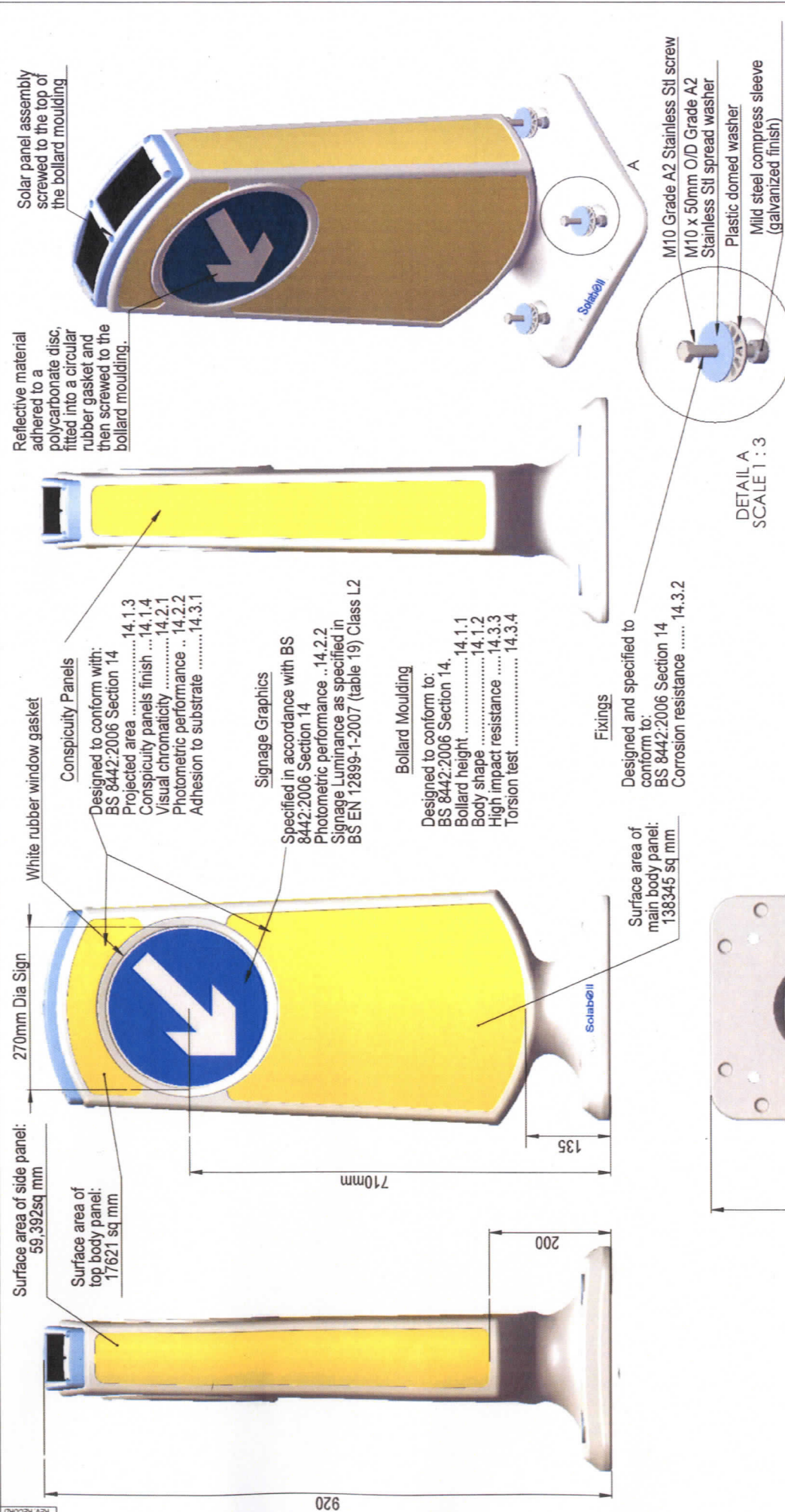
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NOTE: UNDERSIDE OF PLATE IS GROUND LEVEL.

QA FORM No. PG20c Iss 2	TOLERANCE +/- 0.5mm	MATERIAL	DRN BY K. RAM	CHKD BY N/A	APPROVED BY & DATE	FILENAME L6132B	DATE 12-01-11	SCALE N.T.S.
STOCK No.	ANGULAR TOLERANCE ± 1°	SPECIFICATION	OWNER SIGNATURE HOUSE		TITLE LAYOUT - LED SOLAR ILLUMINATED TRUEFLEX BOLLARD WITH FOUNDATION CAGE SPECIFICATION			
	ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.	FINISH	SIGNATURE HOUSE HAINCE ROAD TIVDALE, OLD BURBY B69 2NF 0121 557 0224		DWG No. L6132		REVISION B	SHEET 1 OF 1

Solaboll Traffic Bollard Assembly Specification

Title	Part No.	Drawing Number	Drg Issue
		920008500-21	B



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NOTES: All dimensions in mm Remove all burrs and sharp edges FINISH:	TOLERANCES UNLESS OTHERWISE STATED 0.00 = +0.05 0.00 = +0.03 Whole No's ±0.50		
	MATERIAL: SPEC:		
Drawn By BD	Checked By BD	Date Drawn 25/11/10	Scale THIRD ANGLE PROJECTION

Pudsey Diamond Engineering Ltd
 Tel :- 01264 336677 Fax:- 01264 336688
 E-mail :- sales@pudseydiamond.com

Title

Solaboll Traffic Bollard Assembly Specification

Drawing Number
920008500-21

Part No.

Drg Issue
B

Surface area of side panel:
59,392sq mm

Surface area of top body panel:
17621 sq mm

270mm Dia Sign

Black rubber window gasket

Conspicuity Panels

Designed to conform with:
BS 8442:2006 Section 14

Projected area 14.1.3
Conspicuity panels finish 14.1.4
Visual chromaticity 14.2.1
Photometric performance .. 14.2.2
Adhesion to substrate 14.3.1

Signage Graphics

Specified in accordance with BS 8442:2006 Section 14
Photometric performance .. 14.2.2
Signage Luminance as specified in BS EN 12899-1:2007 (table 19) Class L2

Bollard Moulding

Designed to conform to:
BS 8442:2006 Section 14,
Bollard height 14.1.1
Body shape 14.1.2
High impact resistance 14.3.3
Torsion test 14.3.4

Fixings

Designed and specified to conform to:
BS 8442:2006 Section 14
Corrosion resistance 14.3.2

Surface area of main body panel:
138345 sq mm

DETAIL A
SCALE 1 : 3

M10 Grade A2 Stainless Stl screw
M10 x 50mm O/D Grade A2
Stainless Stl spread washer
Plastic domed washer
Mild steel compress sleeve
(galvanized finish)

Reflective material adhered to a polycarbonate disc, fitted into a circular rubber gasket and then screwed to the bollard moulding.

Solar panel assembly screwed to the top of the bollard moulding

920

710mm

135

200

368

368

Ø 162

THIRD ANGLE PROJECTION

Scale

Date Drawn

25/11/10

BD

BD

Drawn By

Checked By

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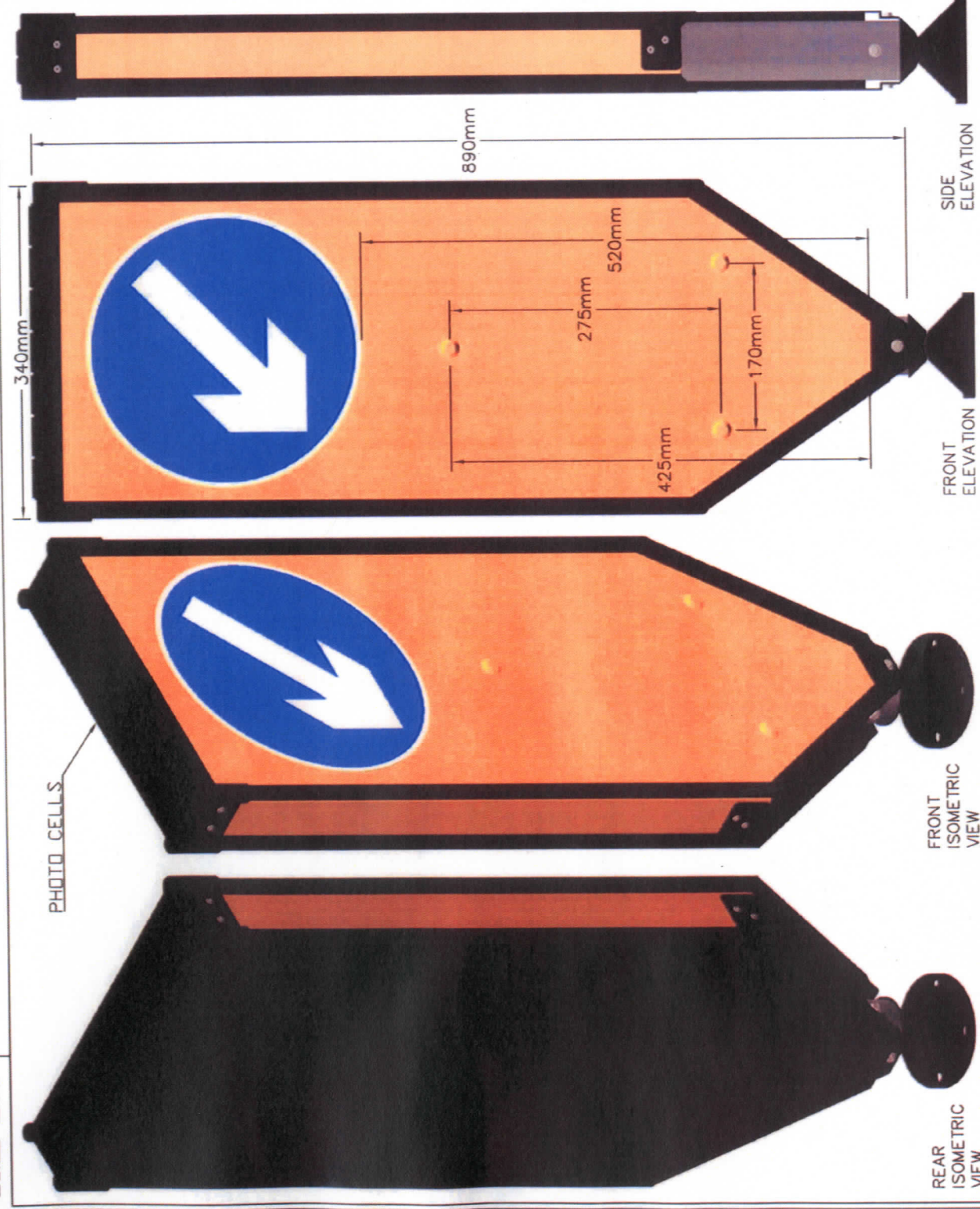
NOTES
All dimensions in mm
Remove all burrs and sharp edges

TOLERANCES UNLESS OTHERWISE STATED
0.00 = +0.015
0.00 = +0.30
Whole No's +0.50

FINISH:
MATERIAL
SPEC

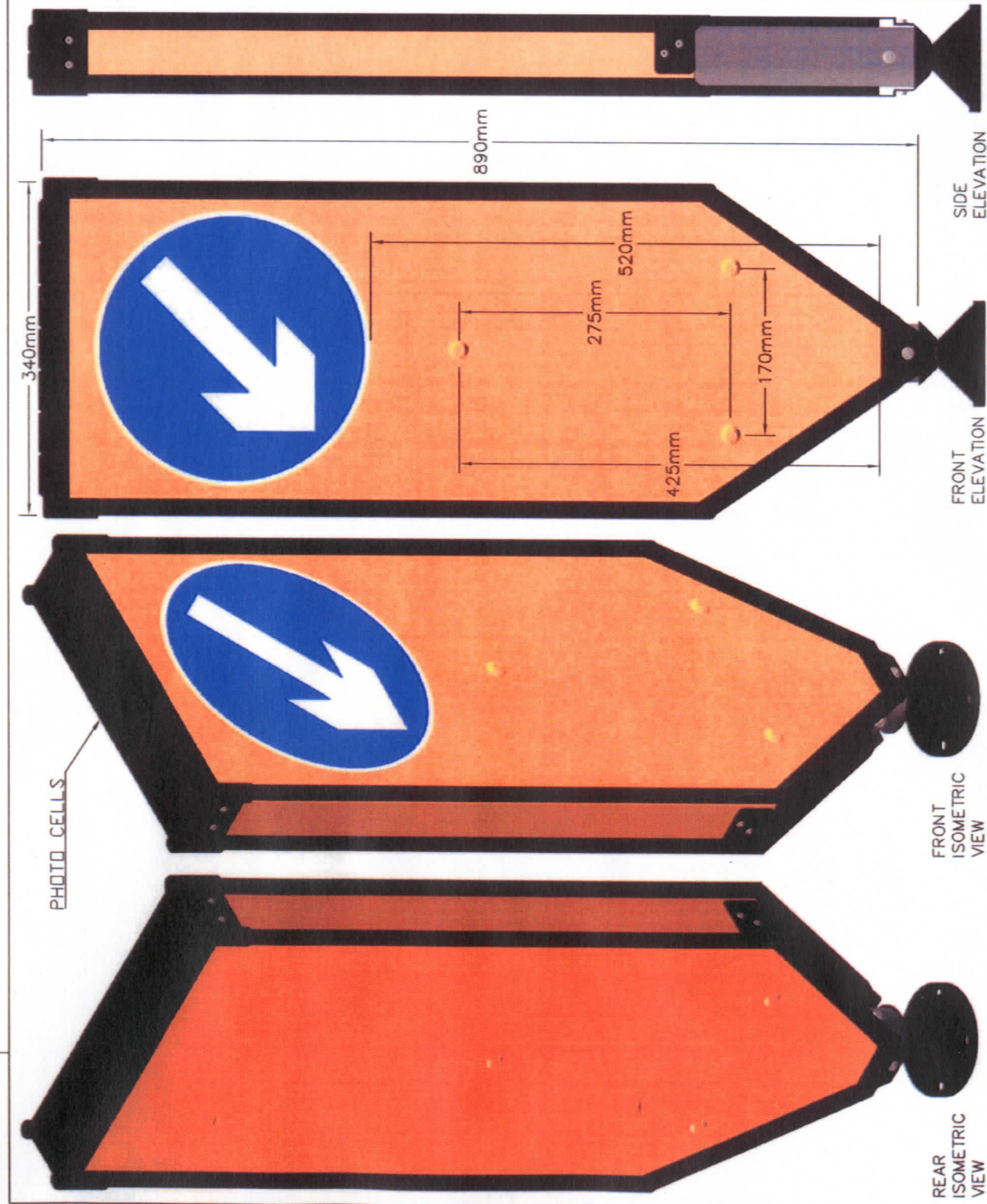
Pudsey
Diamond
Engineering Ltd

Tel :- 01264 336677 Fax:- 01264 336688
E-mail :- sales@pudseydiamond.com



SIGN FACE P610:
BORDER WHITE 4090T
BACKGROUND
BLUE TRANSLUCENT
ARROW WHITE 4090T
DIAMETER 280mm
DG3(DIAMOND GRADE CUBED)
BS8408: 2005
CLEAR ILLUMINATED BACK
PLATE TO ROUNDEL AT
280mm DIAMETER
DRILL HOLES
11MM-5MM DIAMETER
470MM-13MM DIAMETER
840MM-13MM DIAMETER
FACING DIMENSIONS:
WIDTH: 300mm
HEIGHT: 809.5mm
AREA: 0.243sq.m
FLUORESCENT YELLOW 4051
DG3(DIAMOND GRADE CUBED)
BS8408: 2005
SIDE STRIPS:
WIDTH: 40mm
HEIGHT: 645mm
FLUORESCENT YELLOW 4051
DG3(DIAMOND GRADE CUBED)
BS8408: 2005
MATERIAL:
VACUUM FORMED
POLYPROPYLENE
BLACK

Approved by:
Date:
Design by DJN
Drawn by AC
Tolerance $\pm 1.0\text{mm}$
Revision # 3
Date 9/11/2007
Reference



SIGN FACE P610:
BORDER WHITE 4090T
BACKGROUND
BLUE TRANSLUCENT
ARROW WHITE 4090T
DIAMETER 280mm
DG3(DIAMOND GRADE CUBED)
BS8408: 2005

CLEAR ILLUMINATED BACK
PLATE TO ROUNDEL AT
280mm DIAMETER

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

FACING DIMENSIONS:
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AREA: 0.243sq.m
APPLIED TO FRONT AND
REAR
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DG3(DIAMOND GRADE CUBED)
BS8408: 2005

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HEIGHT: 645mm
FLUORESCENT YELLOW 4051
DG3(DIAMOND GRADE CUBED)
BS8408: 2005

MATERIAL:
VACUUM FORMED
POLYPROPYLENE
BLACK

Approved by:

Date:

Design by	DJN
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Drawn by	AC
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Tolerance

Revision #	2
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Date _____