



GT50/69/0006

**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 Liverpool City 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 GT50/69/0006-1 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.



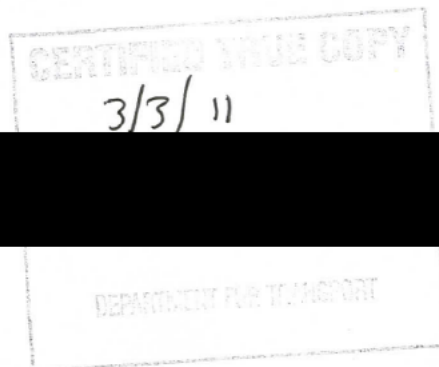
GT50/69/0006

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.

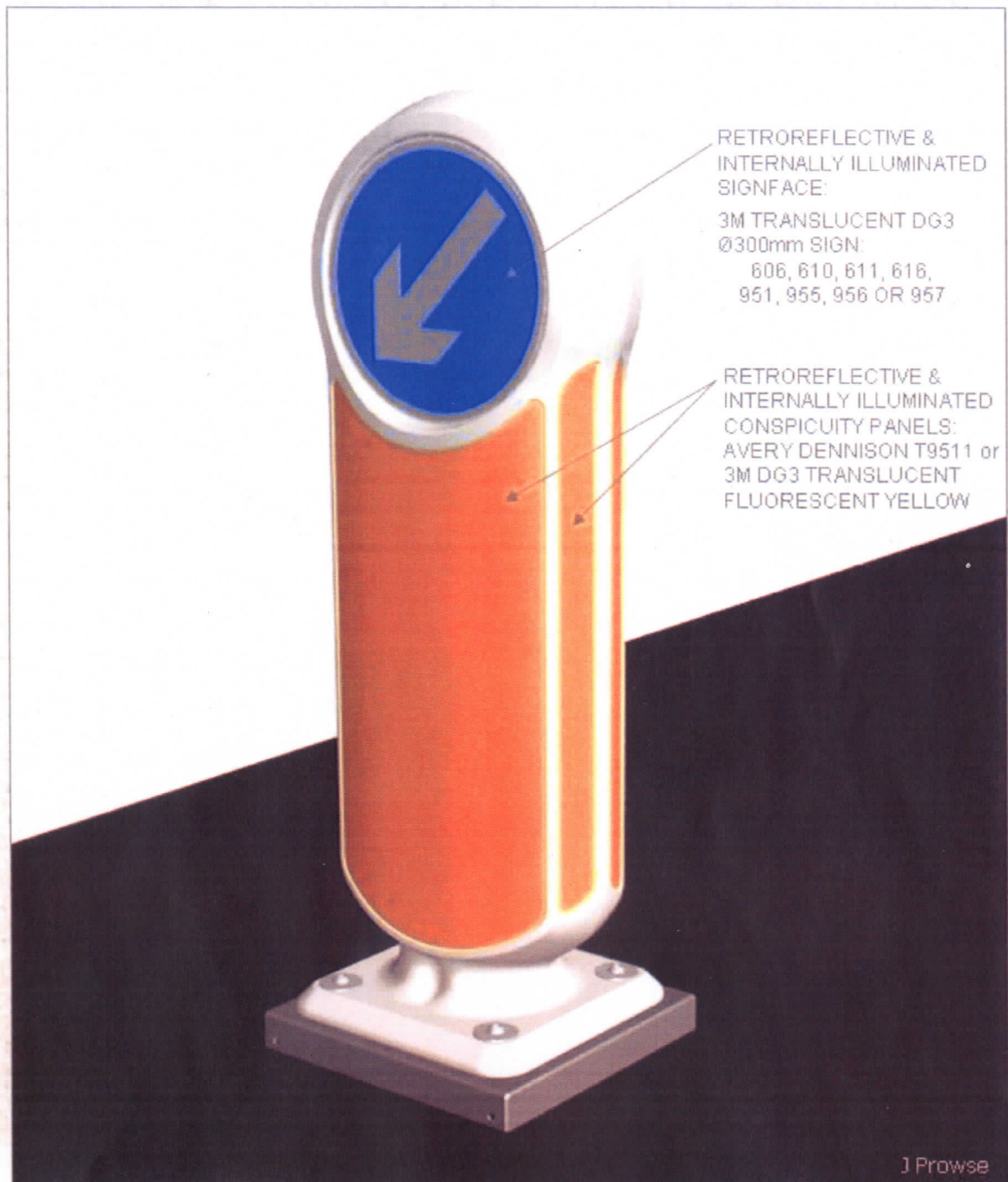
Dated.....*25 February*..... 2011
Signed by authority of the Secretary of State



A Grade 7 Official of the Department for Transport



Retroreflective Bollard with Internal illumination
from a Baselight



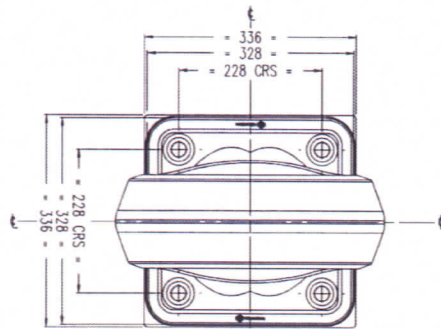
Department for Transport

Date 17/2/11

No 5750/69/0006-1

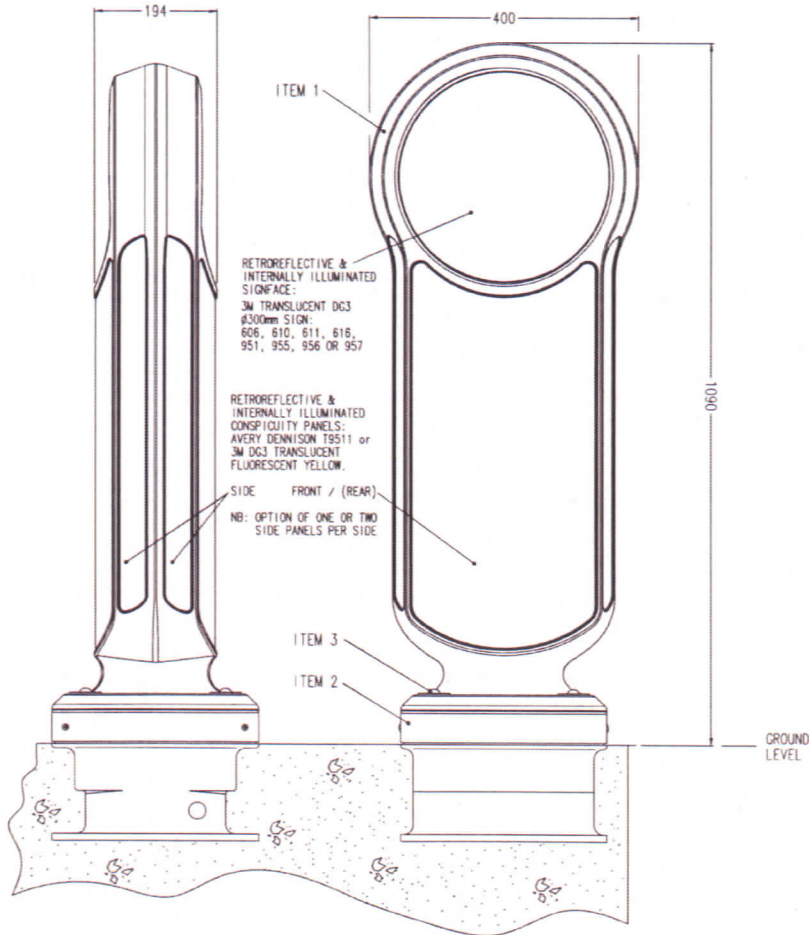
MODEL SPECIFICATION REBOUND SIGNMASTER™ BOLLARD

(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 - IMPACTAPOL®
 - 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 - POWDER 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 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**

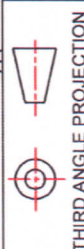
DRG. TITLE			
PROJECT			
DRG. No.		PROJECT No.	
SCALE		DATE	
DRAWN BY		CHECKED	



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-S05 ISSUE 2
©GLASDON UK LTD 02/07/07 SHEET SIZE: A2

THIS DRAWING IS COPYRIGHT PROTECTED AND THE SOLE PROPERTY OF SIGNATURE LIMITED THEREFORE AS SUCH, THE CONTENTS MUST NOT BE WHOLE OR PARTLY BE DISTRIBUTED IN ANY WAY, TO A THIRD PARTY WITHOUT THE PERMISSION OF SIGNATURE LIMITED.



THIRD ANGLE PROJECTION

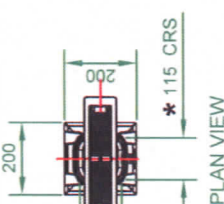
IF IN DOUBT ASK

REVISION
/A FIRST ISSUE:
DDR 441: KR
12-01-11

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

TECHNICAL

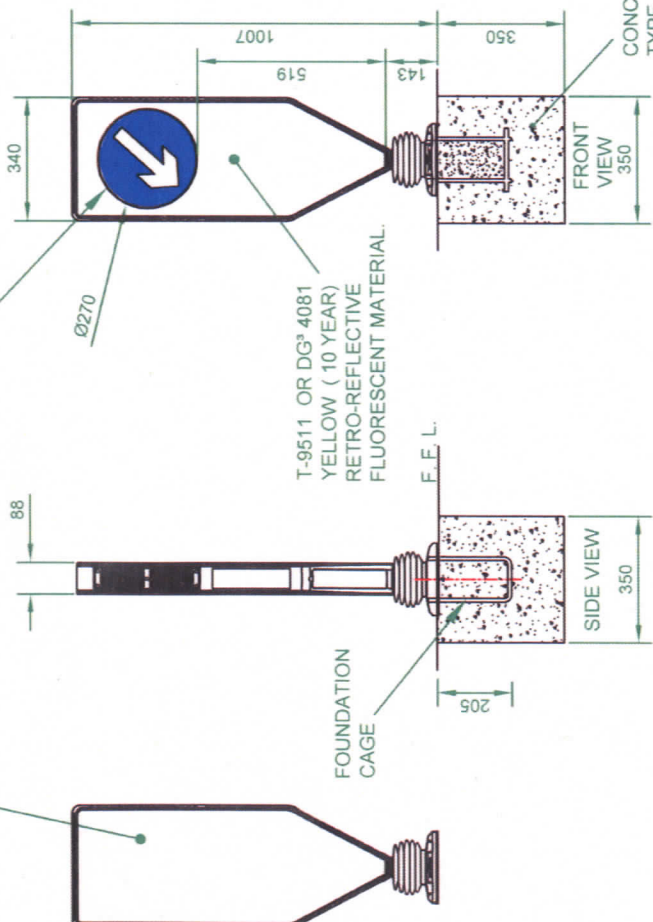
PROJECTED AREA OF FRONT = 230,362mm²
PROJECTED AREA OF EACH SIDE = 23,250mm²
LEDS = 2 off Cree High Power LED's Guarantee of 50,000 hours burn time.
Batteries = Cyclon Non-spillable Lead-Acid Batteries Guaranteed for 5 Years with a Design Life of 7 to 10 Years
Solar Panels = 3 Panels of Monocrystalline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



* FIXING CENTRES

TRANSLUCENT WHITE PANEL WITH BLUE BACKGROUND DG* (10 YEAR) MATERIAL

YELLOW REVERSE PANEL :-
T-9511 OR DG* 4081
YELLOW (10 YEAR)
RETRO-REFLECTIVE
FLUORESCENT MATERIAL

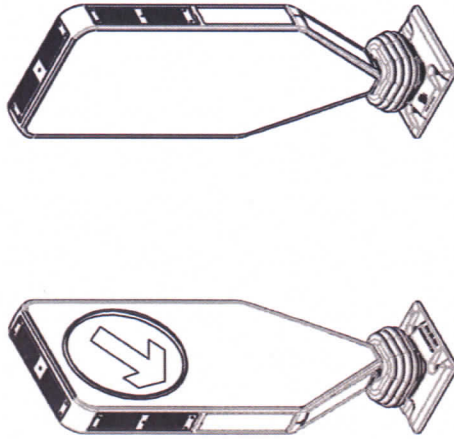


T-9511 OR DG* 4081
YELLOW (10 YEAR)
RETRO-REFLECTIVE
FLUORESCENT MATERIAL

FOUNDATION
CAGE

F.F.L.

CONCRETE
TYPE ST2



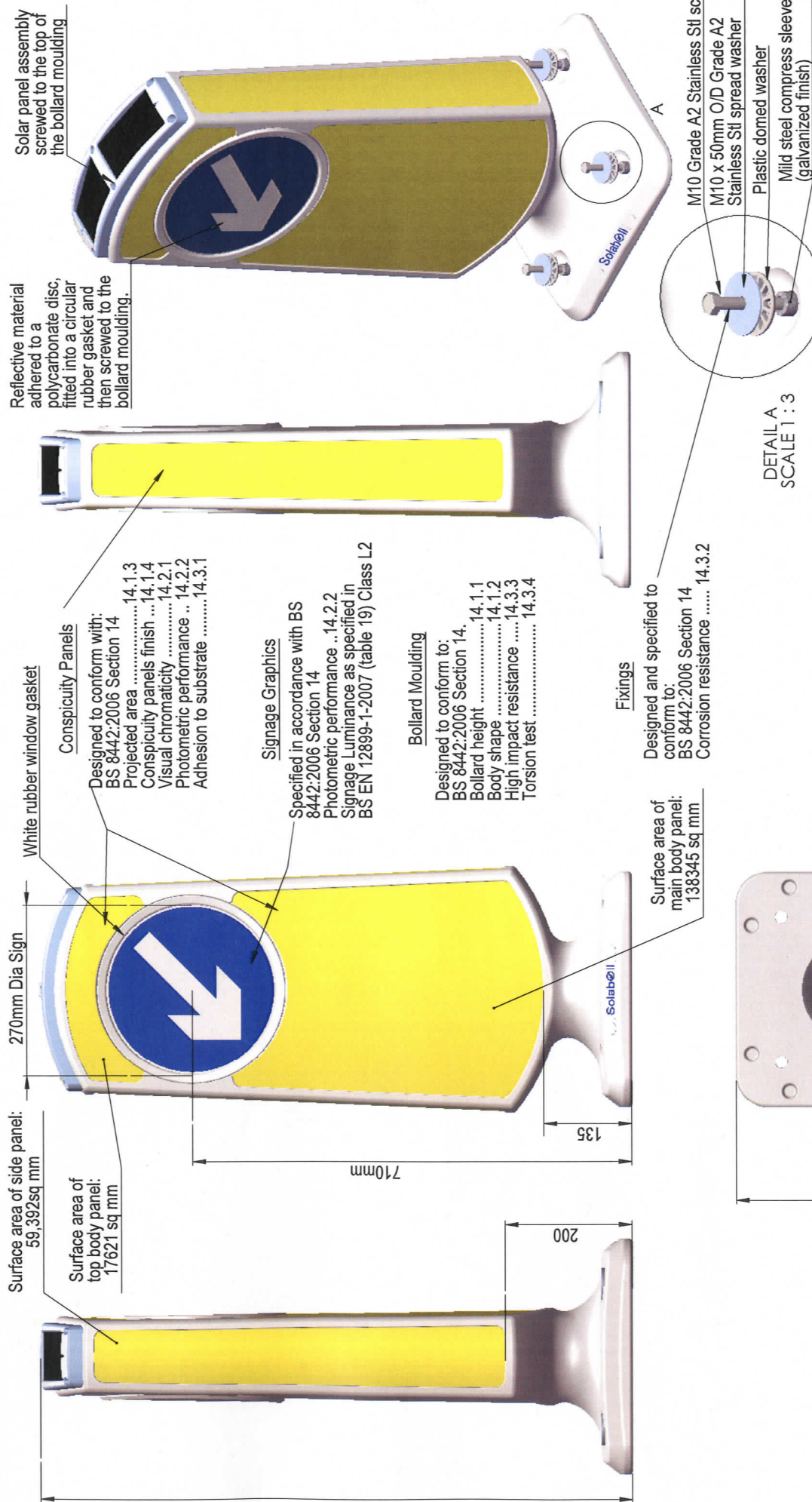
FRONT ISOMETRIC
VIEW

REAR ISOMETRIC
VIEW

NOTE: UNDERSIDE OF PLATE IS GROUND LEVEL.

PLEASE NOTE:
SIGNATURE RESERVES THE RIGHT TO UPDATE THE ABOVE AS AND WHEN NECESSARY WITHOUT PRIOR NOTICE

TOLERANCE	MATERIAL	DRN BY	CHKD BY	APPROVED BY & DATE	FILENAME	DATE	SCALE
+/- 0.5mm		K. RAM	N/A		L6132B	12-01-11	N.T.S.
ANGULAR TOLERANCE ± 1°	SPECIFICATION	OWNER	SIGNATURE	TITLE	LAYOUT - LED SOLAR ILLUMINATED TRUEFLEX BOLLARD WITH FOUNDATION CAGE SPECIFICATION		
ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.	FINISH	TURN	SIGNATURE HOUSE HAINES ROAD TIVDALE, OLD BURY BB9 2NF 0121 557 0234	DWG. No.	L6132		
				REVISION	B		
				SHEET	1 OF 1		



© 2009 PUDSEY DIAMOND LTD. ALL RIGHTS RESERVED. THIS DOCUMENT OR ANY PART THEREOF MAY NOT BE REPRODUCED
STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM PUDSEY DIAMOND ENGINEERING LIMITED.

NOTES:
TOLERANCES UNLESS OTHERWISE STATED

0.00 = ± 0.15
0.0 = ± 0.30
Whole No's ± 0.50

FINISH:
All dimensions in mm
Remove all burrs and sharp edges

MATERIAL:

SPEC:

Pudsey

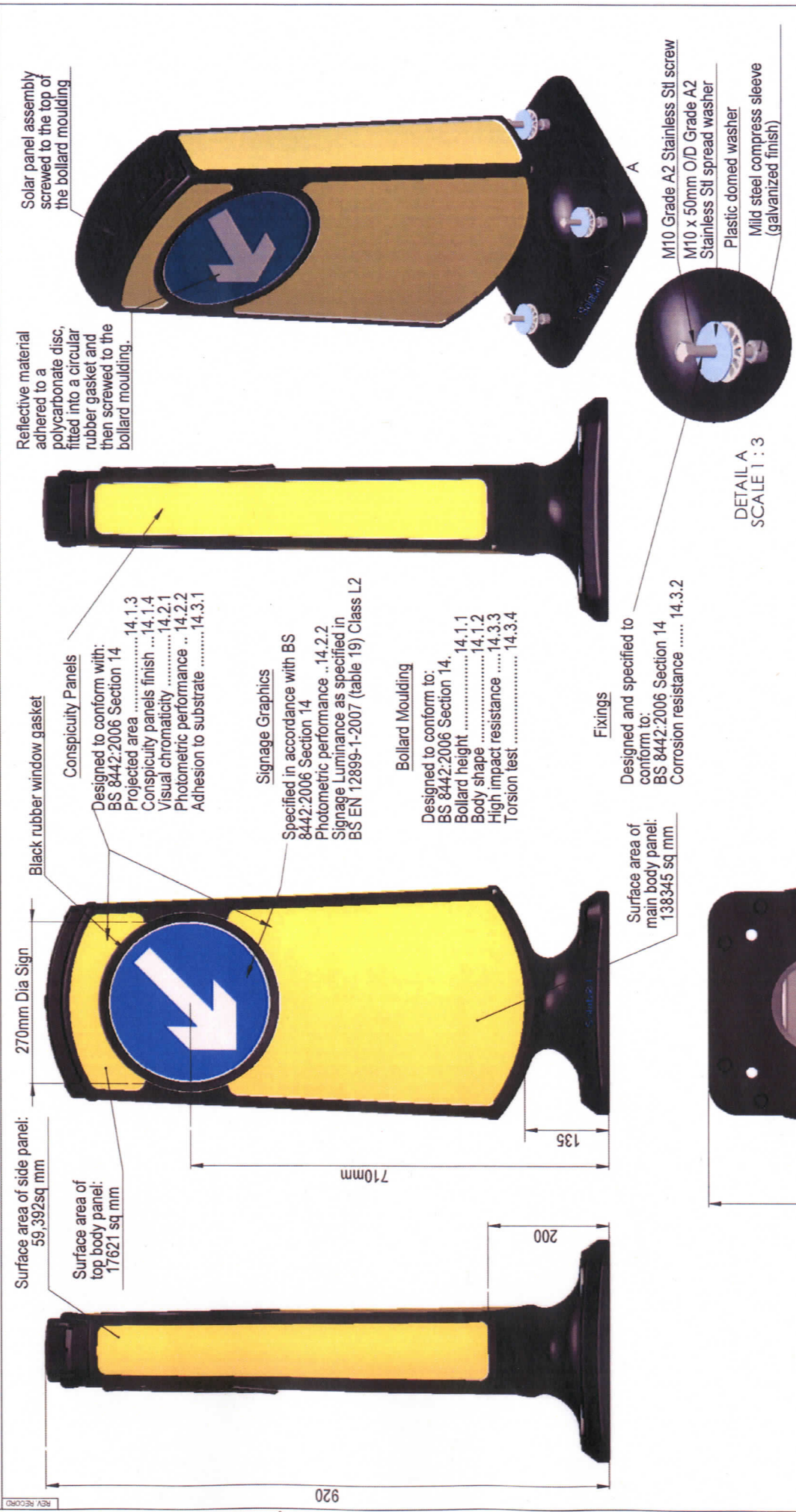
Diamond
Engineering Ltd

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



THIRD ANGLE
PROJECTION

Drawn By BD Checked By BD Date Drawn 25/11/10 Scale



© 2009 PUDSEY DIAMOND LTD. ALL RIGHTS RESERVED. THIS DOCUMENT OR ANY PART THEREOF MAY NOT BE REPRODUCED STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM PUDSEY DIAMOND ENGINEERING LIMITED.	
NOTES: All dimensions in mm Remove all burrs and sharp edges	TOLERANCES UNLESS OTHERWISE STATED 0.00 = +0.15 0.0 = +0.30 Whole No's +0.50
FINISH:	MATERIAL:
SPEC:	THIRD ANGLE PROJECTION
Drawn By: BD	Checked By: BD
Date Drawn: 25/11/10	Scale:

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

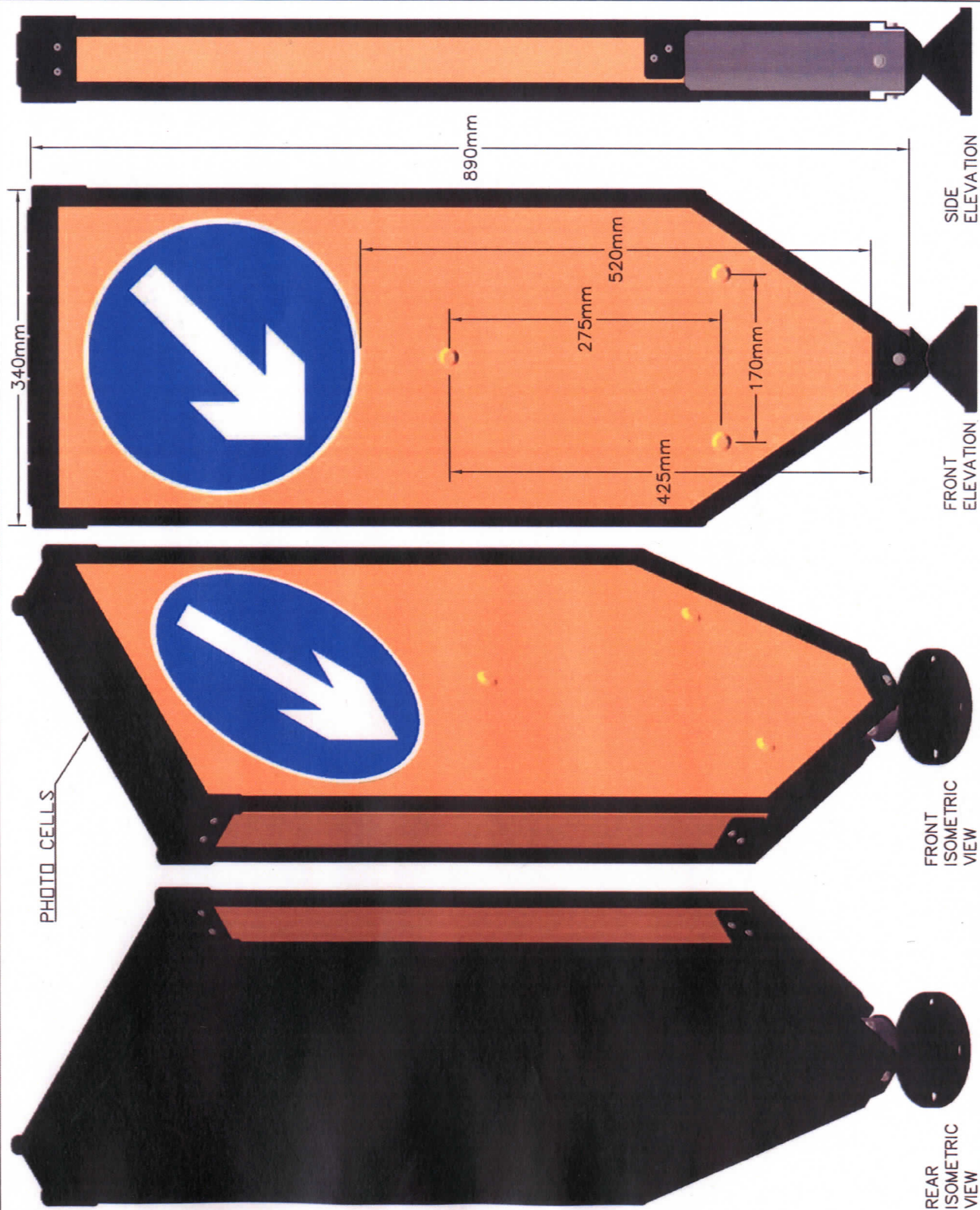
Drawn by	AC
----------	----

Tolerance	$\pm 1.0\text{mm}$
-----------	--------------------

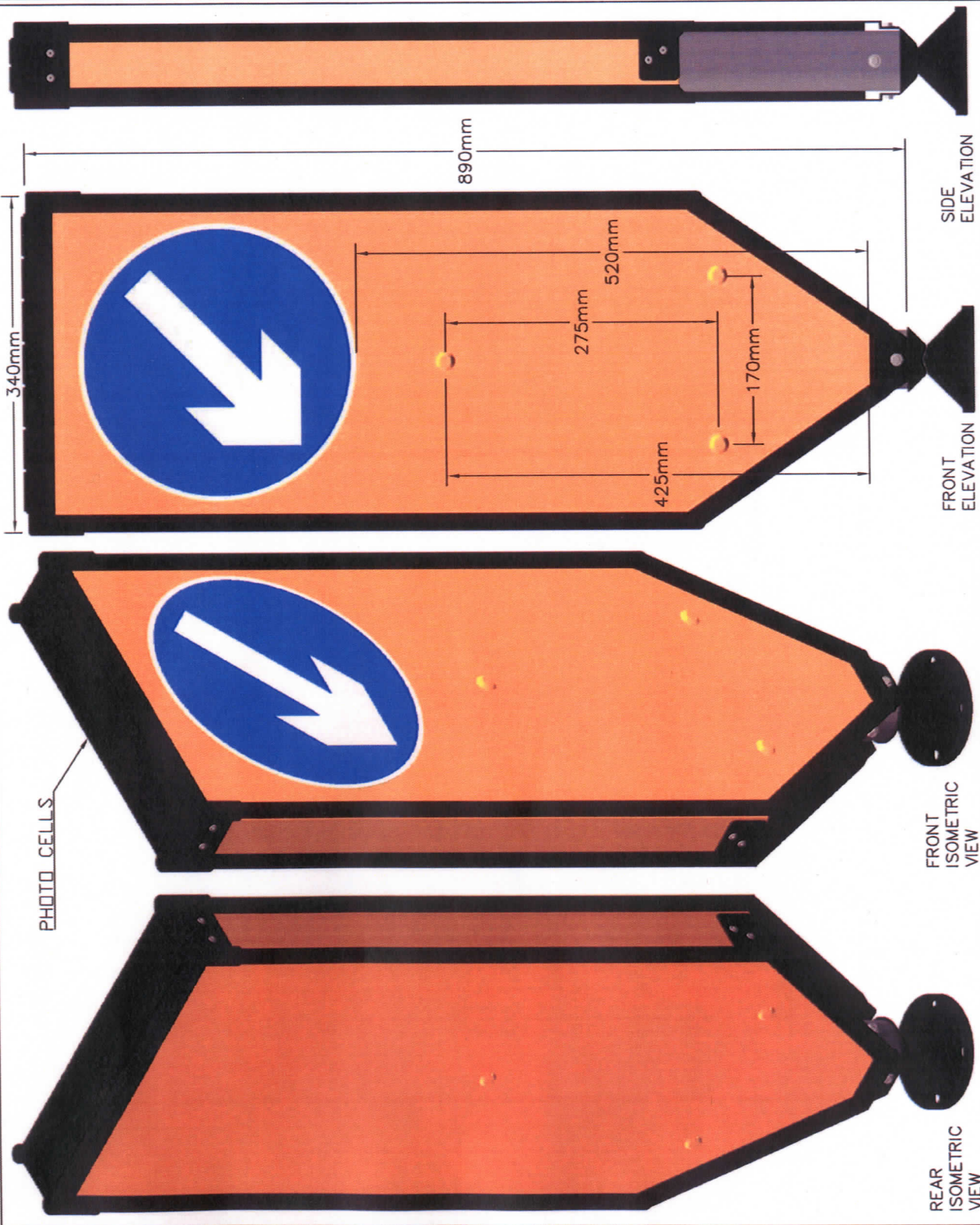
Revision #	3
------------	---

Date	9/11/2007
------	-----------

Reference



TMP Limited (Telephone) UK: +44 (0)1342 844437 – (Telephone) Ireland: +353 87 24 23 634



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

APPLIED TO FRONT AND

REAR

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 # 2

Date 9/11/2007

Reference