



GT50/164/0001

**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 Sefton 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 GT50/164/0001-1 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.



GT50/164/0001

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 22 February 2011

Signed by authority of the Secretary of State

.....
[Redacted Signature]

A Grade 7 Official of the Department for Transport

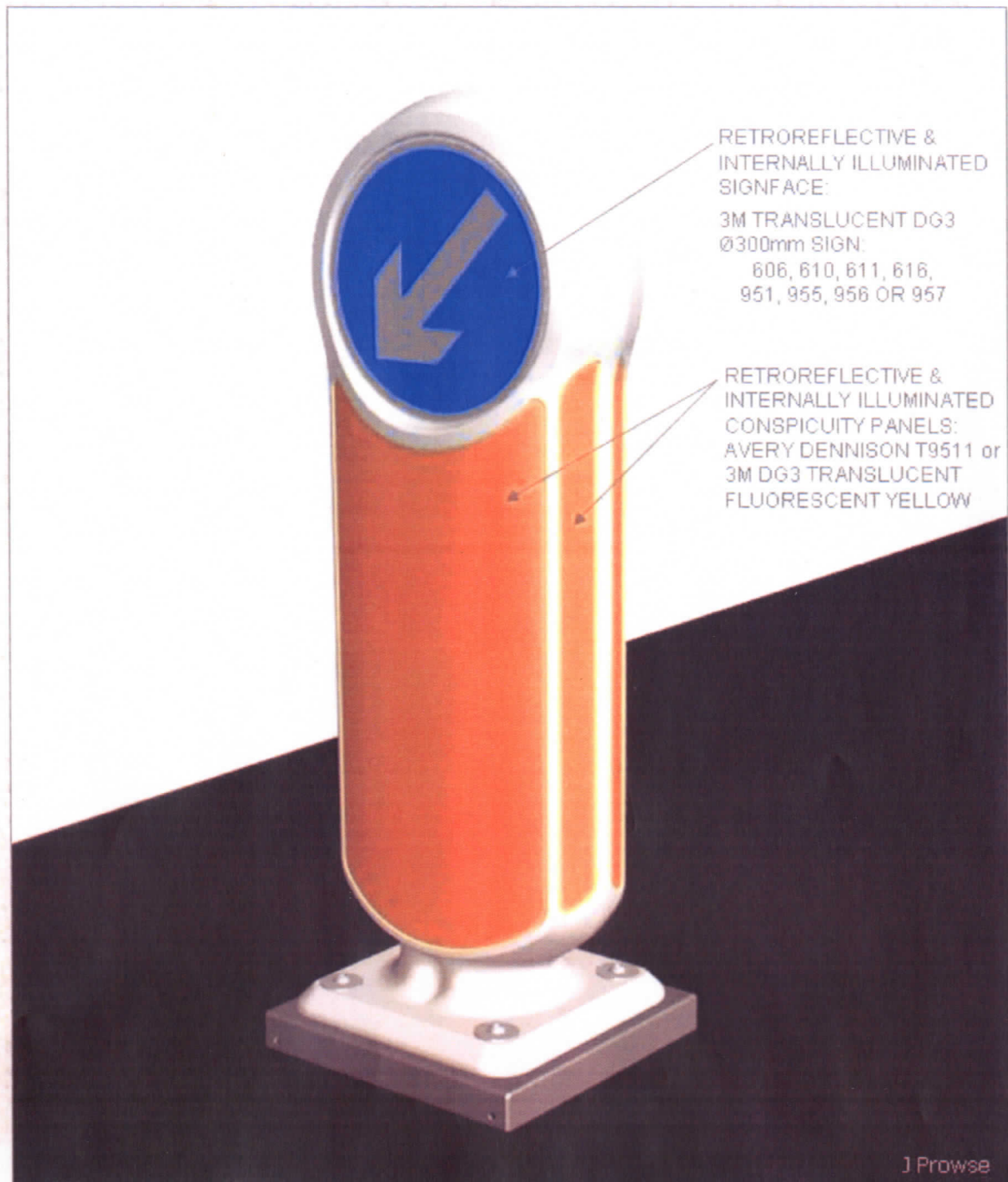
CERTIFIED TRUE COPY

23/2/11

[Redacted Signature]

DEPARTMENT FOR TRANSPORT

Retroreflective Bollard with Internal illumination
from a Baselight



Department for Transport

Date 17/2/11

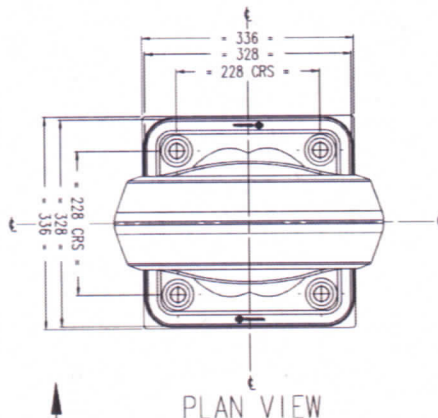
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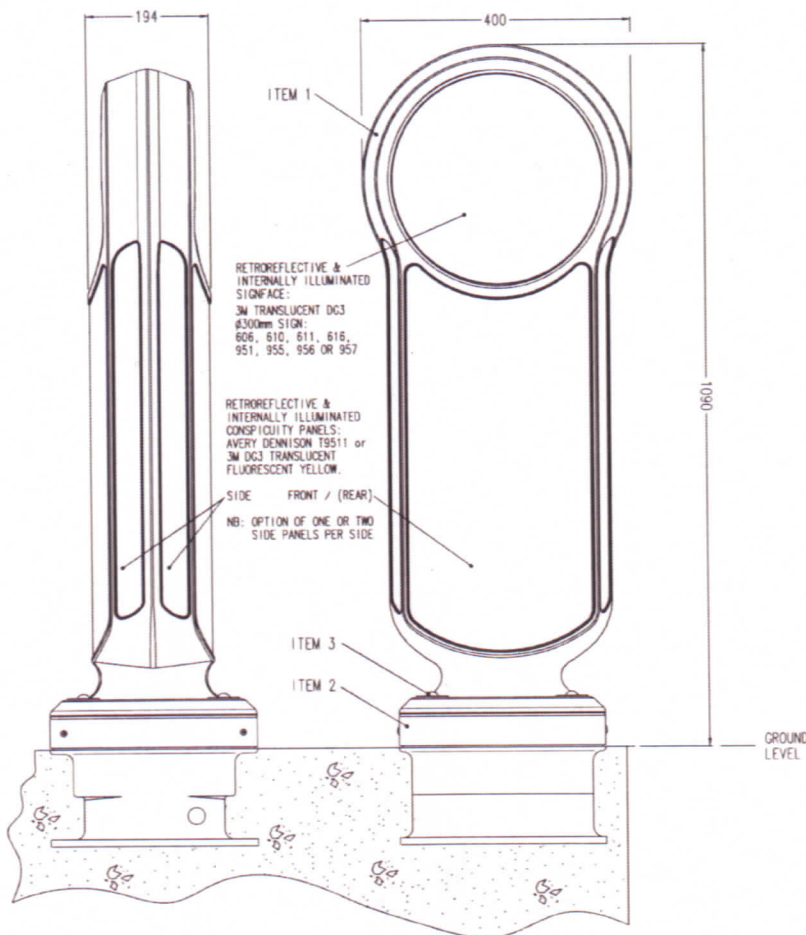
MODEL SPECIFICATION

REBOUND SIGNMASTER™ BOLLARD

(RETROREFLECTIVE BOLLARD WITH INTERNAL ILLUMINATION FROM A BASELIGHT)



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: - IMPACTPOL®
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		 Glasdon[®] Glasdon UK Limited Preston New Road, Blackpool Lancashire, FY4 4LX Telephone: 01253 600400 Facsimile: 01253 792558 E-mail: sales@glasdon-uk.co.uk Web Site: www.glasdon.com	
PROJECT			
DRG. No.	PROJECT No.		
SCALE	DATE		
DRAWN BY	CHECKED		
		SPECIFICATION NUMBER - 025066-S05 ISSUE 2 GLASDON UK LTD 02/07/07 SHEET SIZE: A2	

PLAN VIEW

200

* 115 CRS

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

Technical drawing of a traffic sign post, showing front and side views with dimensions and material specifications.

Front View Dimensions:

- Overall height: 1007
- Height of sign: 340
- Height of post above sign: 143
- Height of concrete base: 350
- Width of sign: 519
- Width of concrete base: 350

Side View Dimensions:

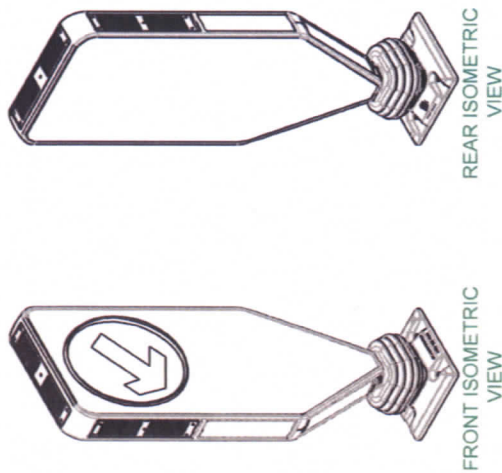
- Overall height: 1007
- Height of sign: 340
- Height of post above sign: 143
- Height of concrete base: 350
- Width of sign: 519
- Width of concrete base: 350
- Distance from sign to post base: 88
- Distance from post base to concrete base: 205

Material Specifications:

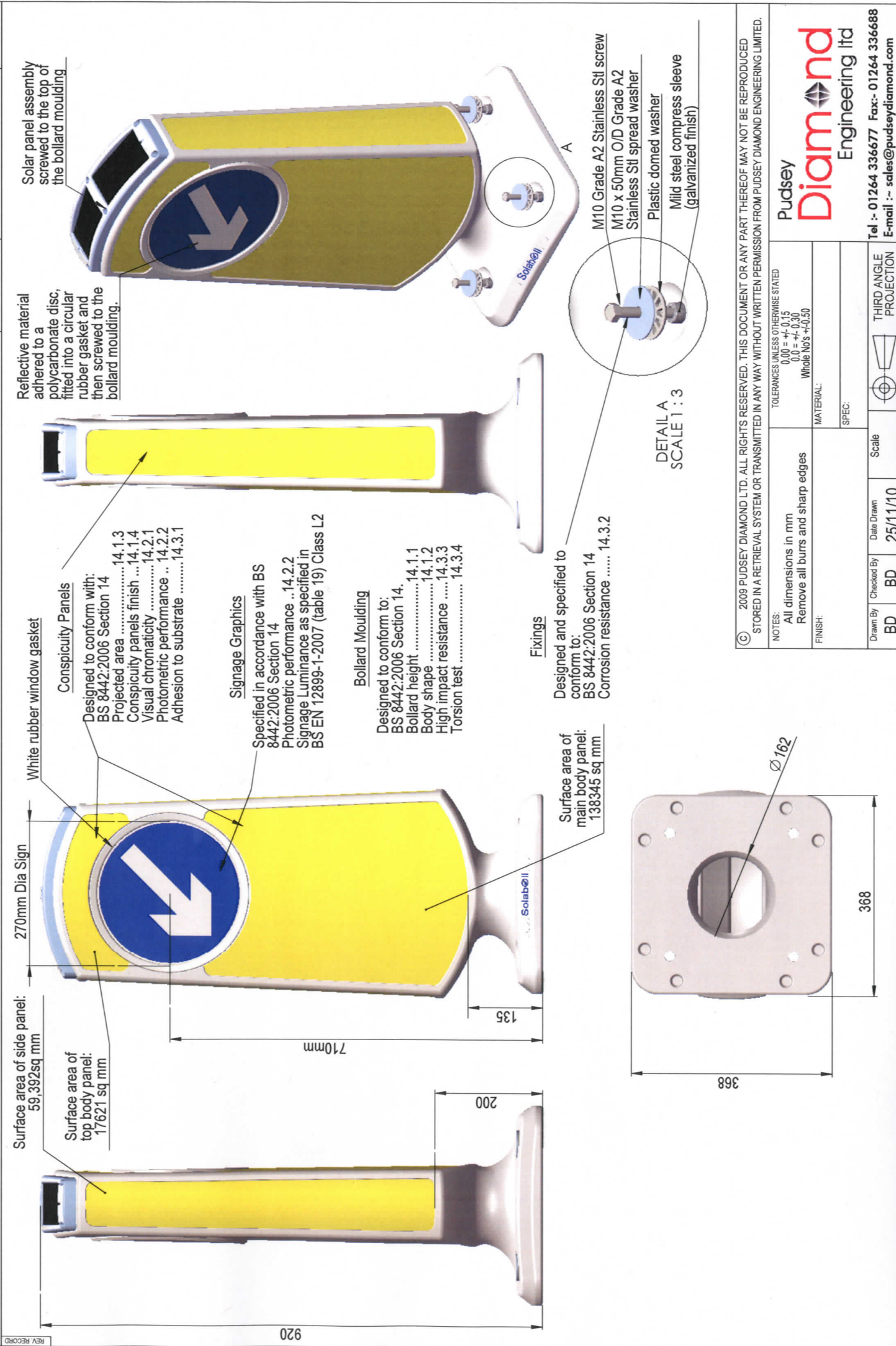
- Sign: T-9511 OR DG³ 4081 YELLOW (10 YEAR) RETRO-REFLECTIVE FLUORESCENT MATERIAL.
- Post: F.F.L.
- Foundation: FOUNDATION CAGE
- Concrete base: CONC. TYPE

NOTE UNDERSIDE OF PLATE IS GROUND LEVEL.

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

1

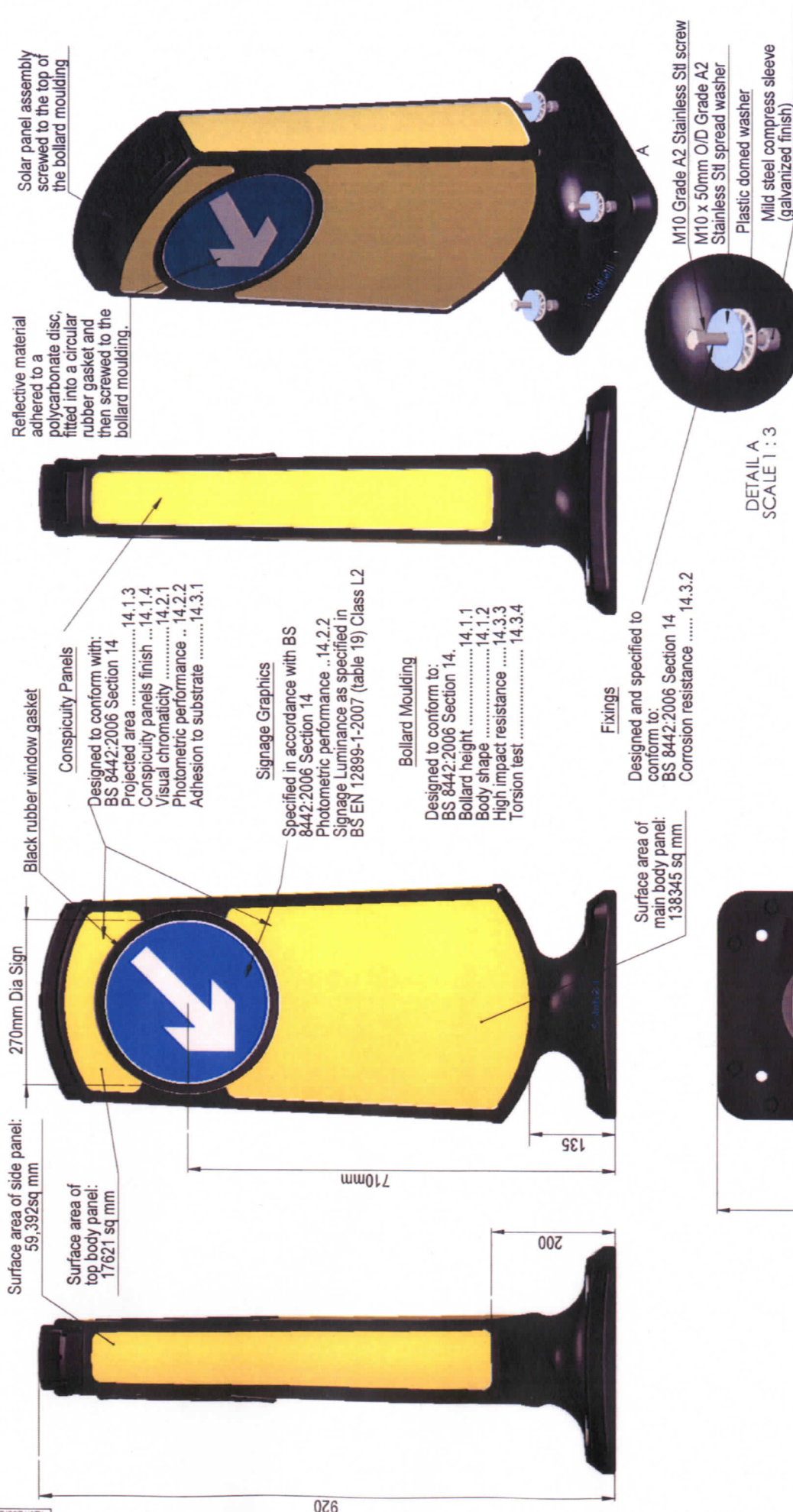
Solaboll Traffic Bollard Assembly Specification



Solaboll Traffic Bollard Assembly Specification

Part No. Drawing Number 920008500-21 Drg Issue B

Title



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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:		
Drawn By BD	Checked By BD	Date Drawn 25/11/10	Scale Scale
THIRD ANGLE PROJECTION			Engineering Ltd Pudsey Diamond
Tel :- 01264 336677 Fax:- 01264 336688 E-mail :- sales@pudseydiamond.com			

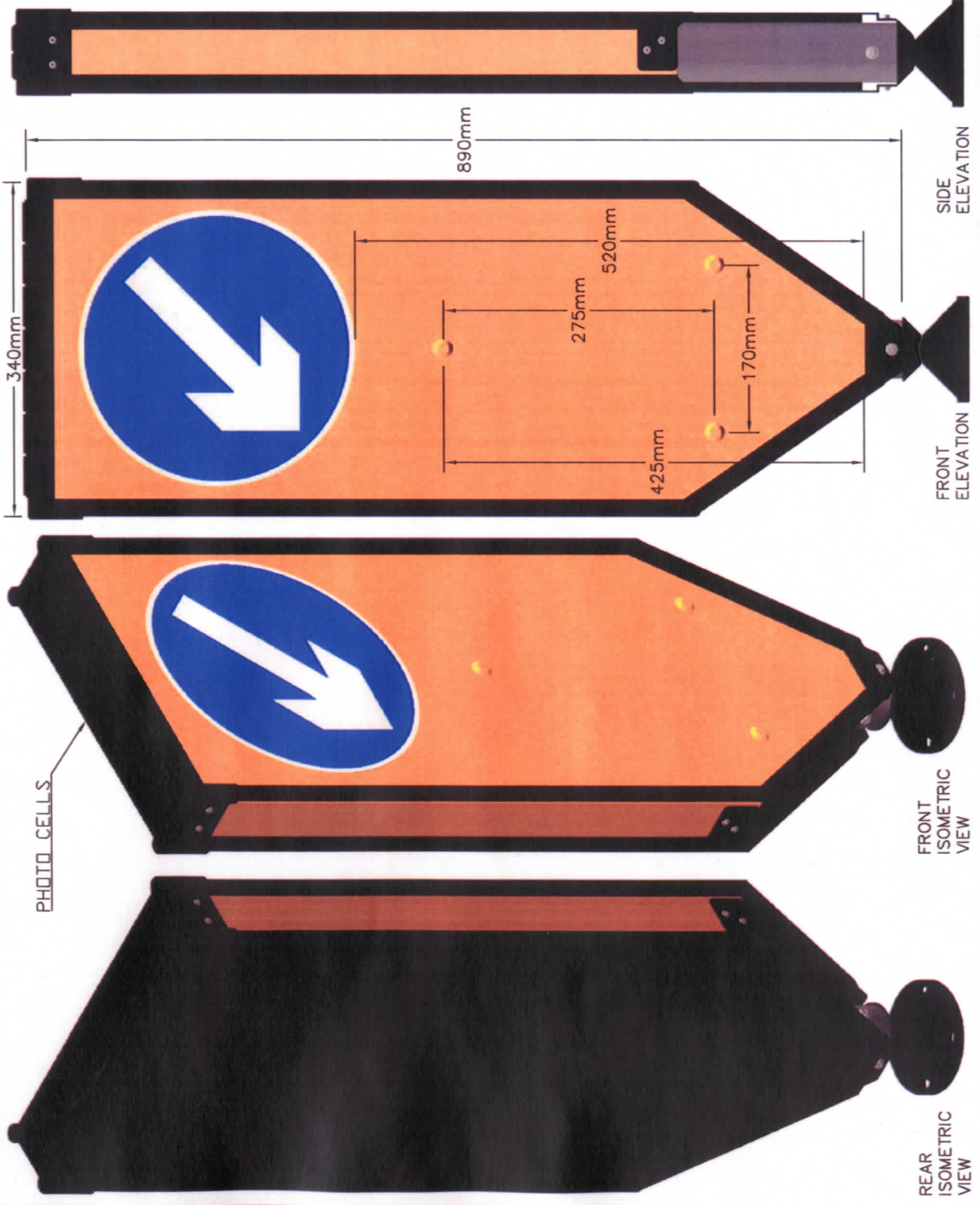


PHOTO CELLS

REAR ISOMETRIC VIEW

FRONT ISOMETRIC VIEW

FRONT ELEVATION

SIDE ELEVATION

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

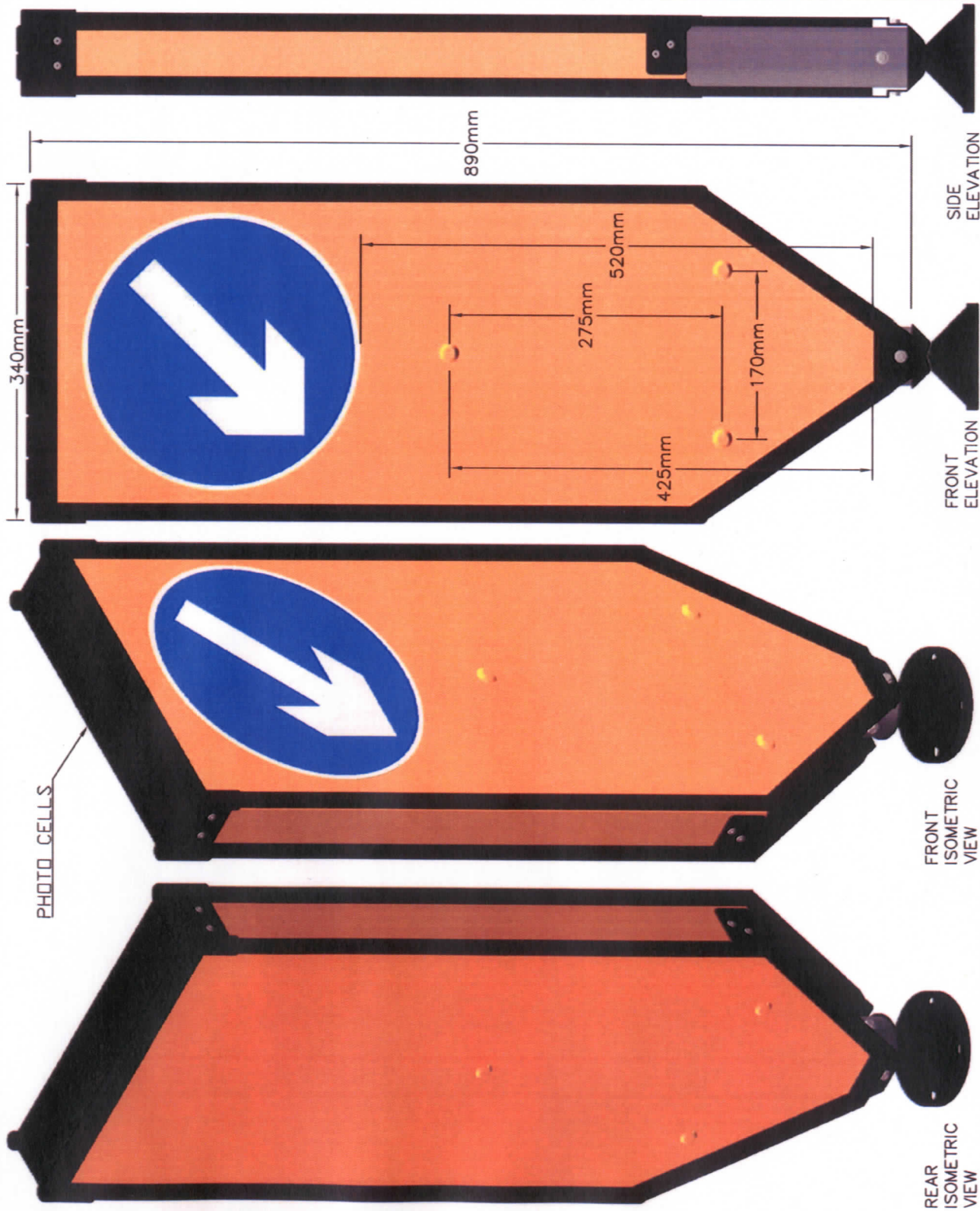
Drawn by AC

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:
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