

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 the London Borough of Merton is the traffic authority, hereby:-

- 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 GT50/90/0006-1; and
- 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
- 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 GT50/90/0006-2 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 shown in diagram 3000, 3000.7, 3000.8, 3000.9
 or 3000.10 in Schedule 8 to the 2002 Regulations; or
- 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.



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 shown in diagram 610 in Schedule 2 to those Regulations.

Dated 24 dune 2011

Signed by authority of the Secretary of State

A Delegated Official of the Department for Transport

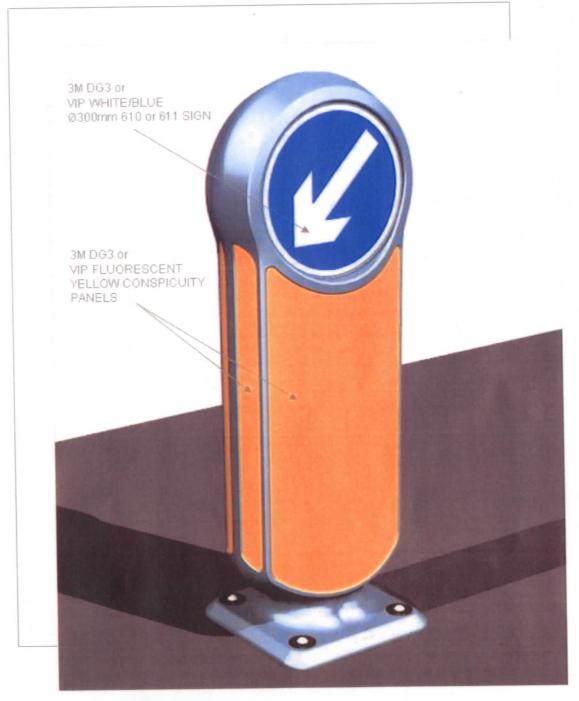
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24/6/4

DEPARTMENT FOR TRANSPORT

Rebound Sign Carrying Bollard (Bolt-Down)

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



Department for Transport

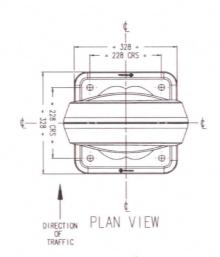
Date 24/6/11

No. 9750/90/0006-1

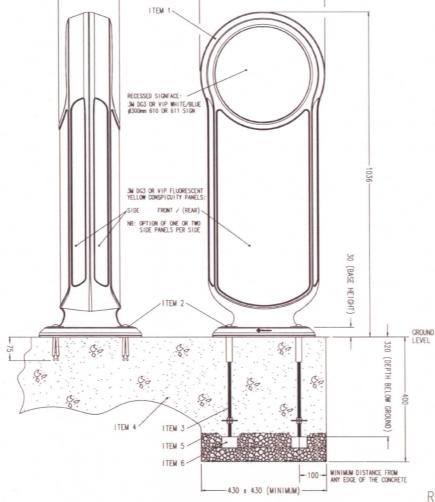


MODEL SPECIFICATION REBOUND SIGNMASTER™ BOLLARD

(BOLT-DOWN SURFACE MOUNTED & OPTIONAL CONCRETE-IN GROUND ANCHOR)



400



SIDE VIEW (SHOWING SURFACE MOUNTED FIXINGS) FRONT VIEW

(SHOWING OPTIONAL CONCRETE-IN ANCHOR FIXINGS)

PRODUCT INFORMATION:

- 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 • WE I GHT

BOLLARD: - IMPACTAPOL®
FIXINGS: - SCREWS - STAINLESS STEEL
- WASHERS - STAINLESS STEEL
- SPACERS - RIGID PVE
- ANCHORS - MS BZP
- OPTIONAL C.I.A.F. - MS BZP • MATERIAL

 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 BLOOX:
 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 QCIO). 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 CONTRES 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 'CONDETE-IN ANCHOR FIXINGS' CAN BE OUT DOWN IF REQUIRED, HOWEVER WE RECOMMEND USING THE SAME VOLUME OF CONDETE 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 CONSPICUITY PANELS BODY C/W FRONT, 2xLH & 2xRH CONSPICUITY PANELS BODY C/W FRONT, TEAR, 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:

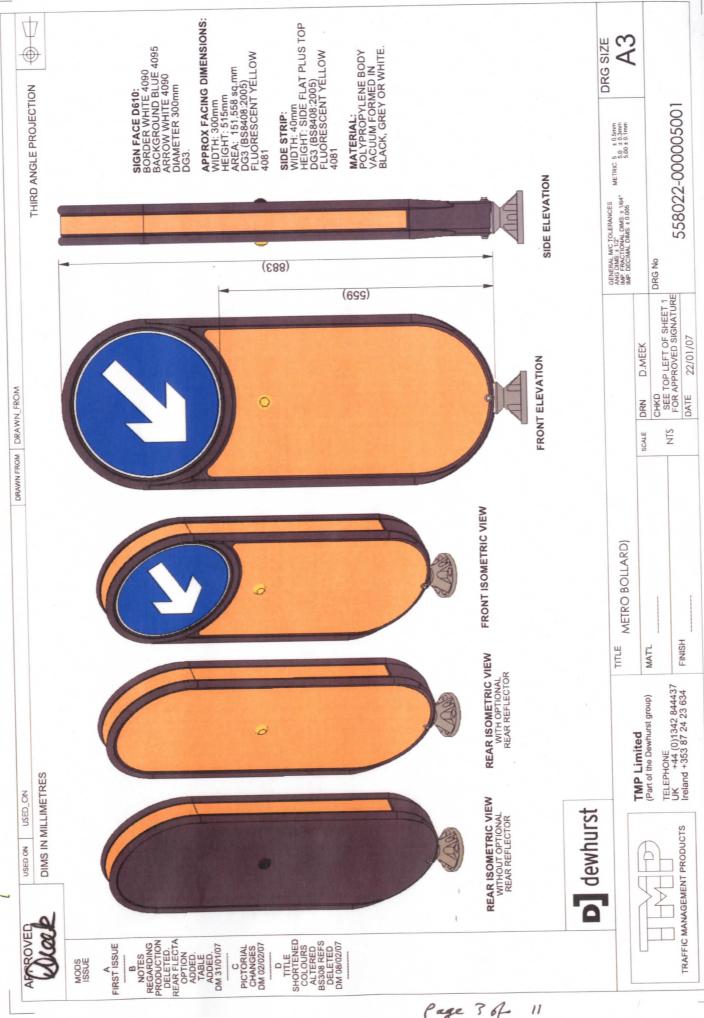
- SURFACE AREA OF CONSPICUITY PANELS:
- FRONT = 161,701mm1 (PROJECTED) SINGLE SIDE = 24,255mm1 OPTIONAL DOUBLE SIDE = 48,510mm1
- SURFACE AREA OF SIGNFACE 70,686mm3

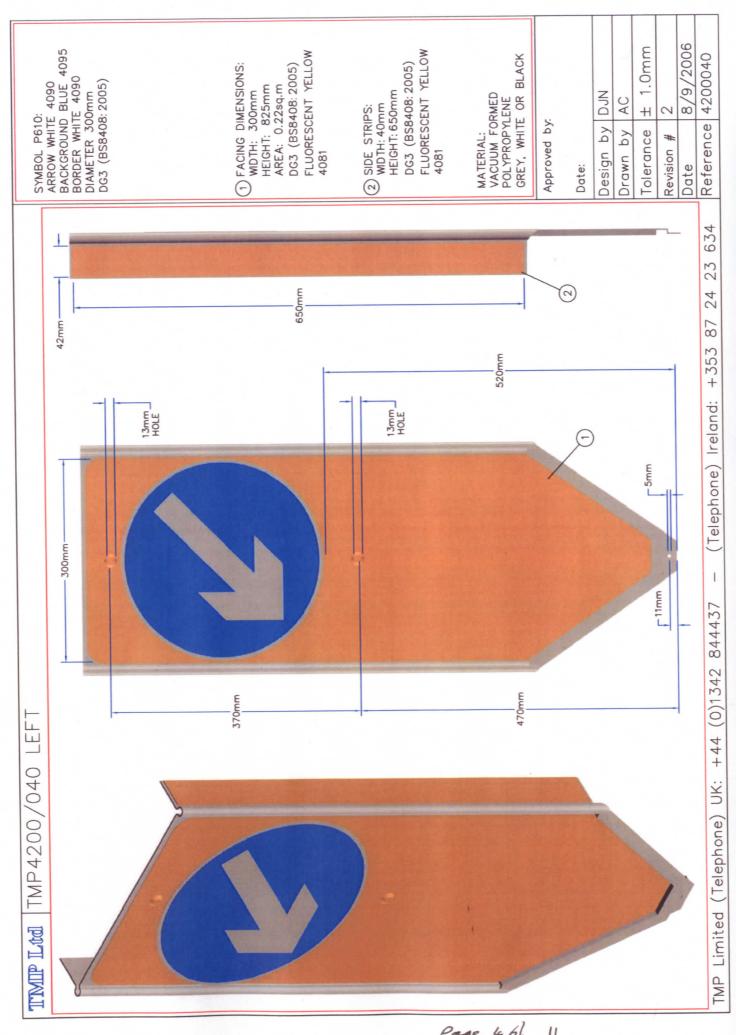
RETROREFLECTIVE SELF RIGHTING

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

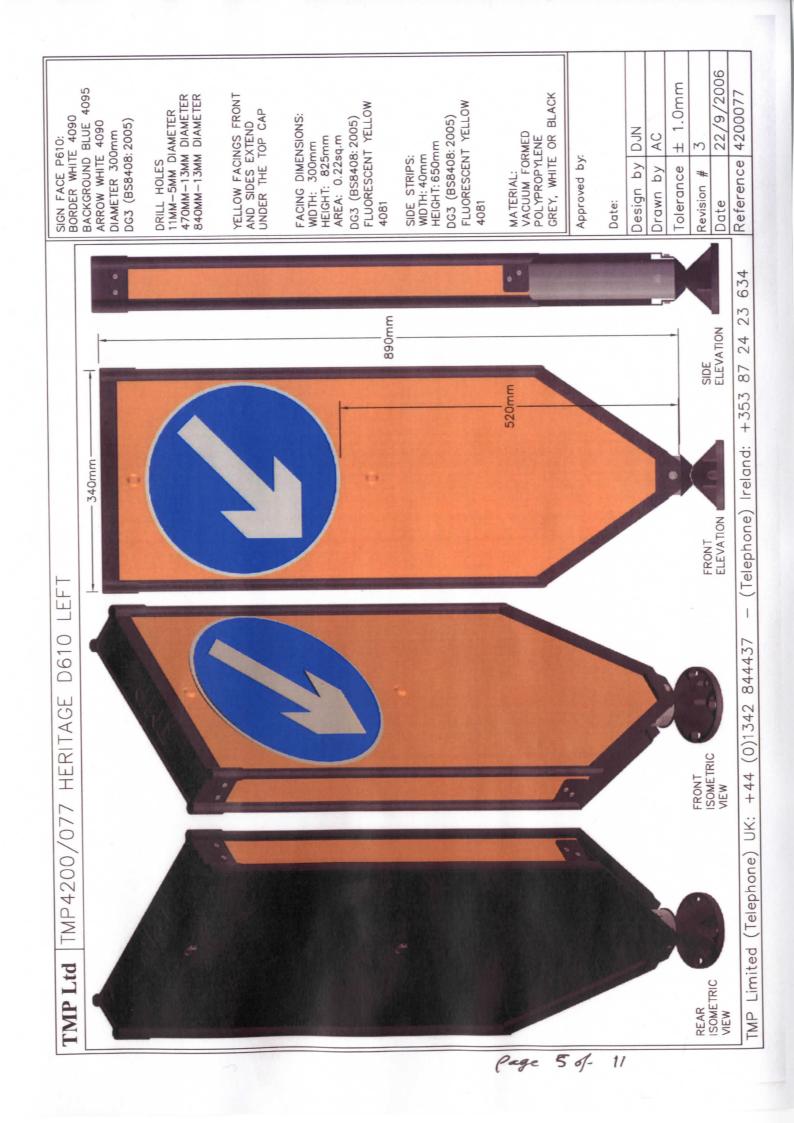


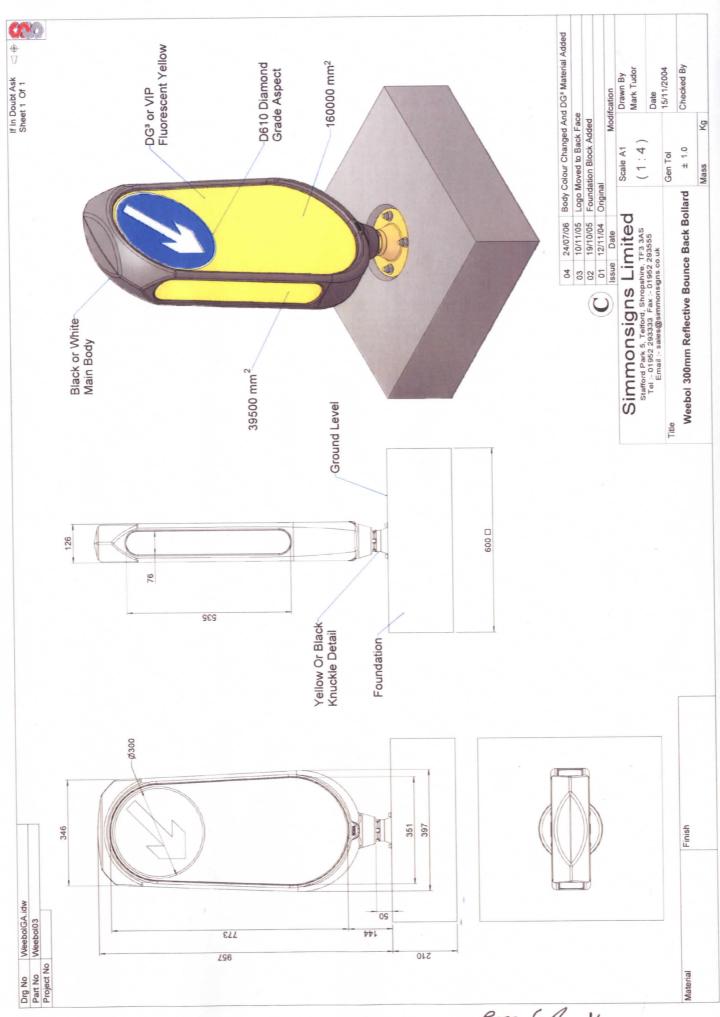
SPECIFICATION NUMBER - 02S066-S03 ISSUE 3 GLASDON UK LTD 06/04/05 SHEET SIZE: AZ



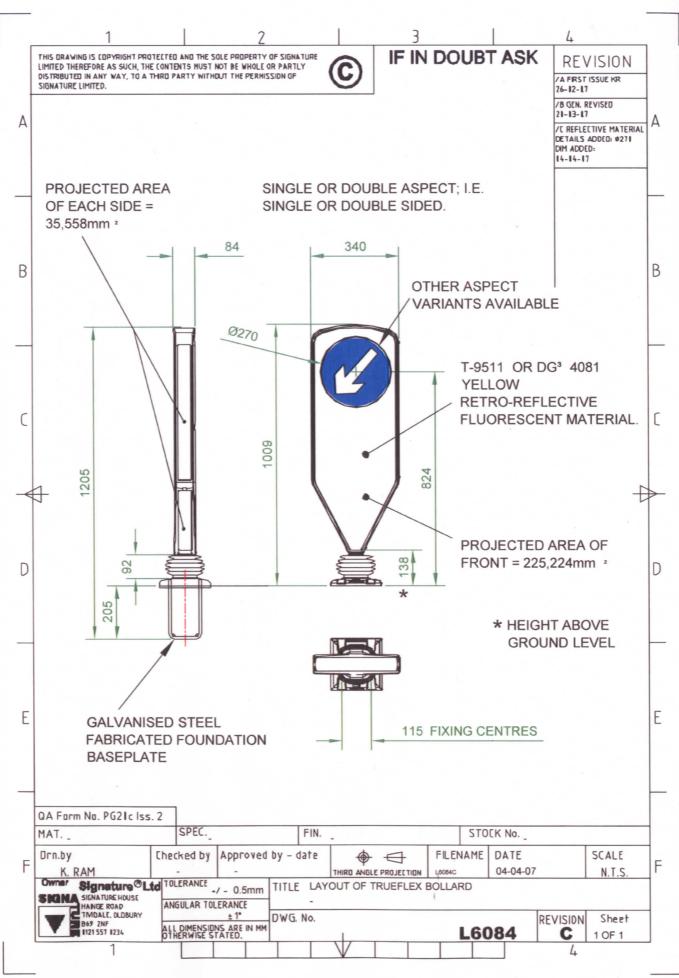


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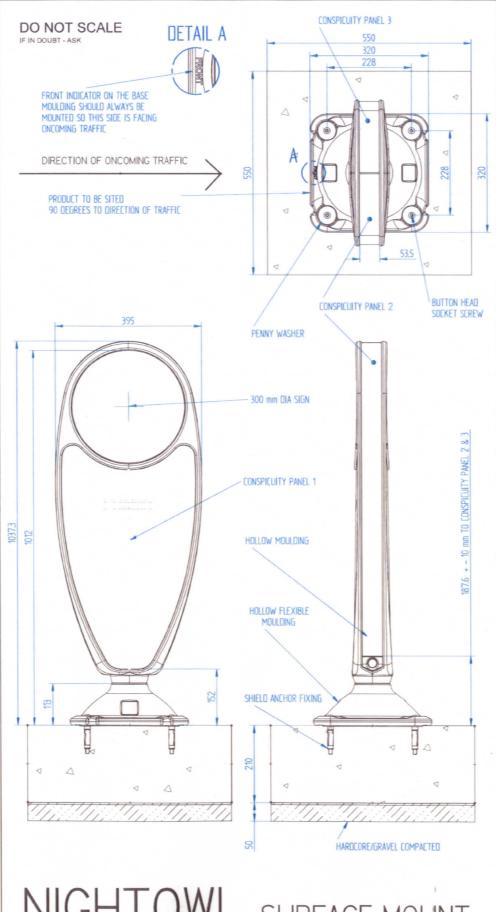




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NIGHTOWL SURFACE MOUNT

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

3rd Angle Projection

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 MOPE
- HOLLOW BASE MOULDING FLEXIBLE PE

300 DIA SIGN FACES

- 3M DIAMOND CRADE DG3 WHITE REFLECTIVE VINYL OR ALTERNATIVE MATERIAL APPROVED TO BS8408

CONSPICUITY PANEL 1 - FRONT PANEL

- COMPLES WITH THE REQUIREMENTS OF BS8442 2006, MATERIAL - 3M DIAMOND GRADE DG3 FLUORESCENT YELLOW REFLECTIVE VINYL OR ALTERNATIVE APPROVED

160,999 mm2 METERS PROJECTED AREA

CONSPICUITY PANEL 2 & 3 - (SIDE PANELS)

- COMPLIES WITH THE REQUIREMENTS OF BS84422006, MATERIAL 3M DIAMOND GRADE DG3 FLUORESCENT YELLOW REFLECTIVE VINYL OR ALTERNATIVE APPROVED TO BS8408
- 44802 mm2 METERS PROJECTED AREA PER SIDE

COMPONENTS USED TO ASSEMBLE PRODUCT (EXCLUDING GROUND FIXINGS)

I. I XI) - M8 FORMC WASHER 20mm 0D I.6mm THICK

2. (XII) - M8 x I3mm DYNAFIX - ZINC DIECAST

3.1 X11 - MIO x 120mm SOCKET HEAD CAP SCREW - STAINLESS STEEL

4 LX2 LBOLT CAP - 25mm Dig X IL5mm - LDPF

GROUND FIXING

SURFACE MOUNT FIXING

- I. I X4 I M IO x IOOmm BUTTON HEAD SOCKET SCREW STAINLESS STEEL.
- 2.1 XI J MIO PENNY WASHER 50mm 0D 3mm THICK
- 3, I X4 I MIO SHIELD ANCHOR 16 mm x 60 mm MILD STEEL BZP OR EQUIVALENT OF SAFE WORKING LOAD 6 KN
- 4.1 X41 COMPRESSION SPACER 10MM ID 22mm 0D X
- TO SURFACE MOUNT BOLLARD DRILL 4 HOLES OF 16mm x 80mm I MIN DEPTH I INTO SUITABLE 6000 FOUNDATION OR PREPARE SITE TO THE FOLLOWING FOUNDATION SPEC BEFORE INSTALLING.

FOUNDATION TO CONSIST OF STRUCTURAL CONCRETE SPEC I IMMMULM C20/25 I OF SIZE 550x 550x210 MTH 50 mm OF HARDCORE I SITE SURVEY MUST BE USED TO ASCERTAIN SUITABLITY 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

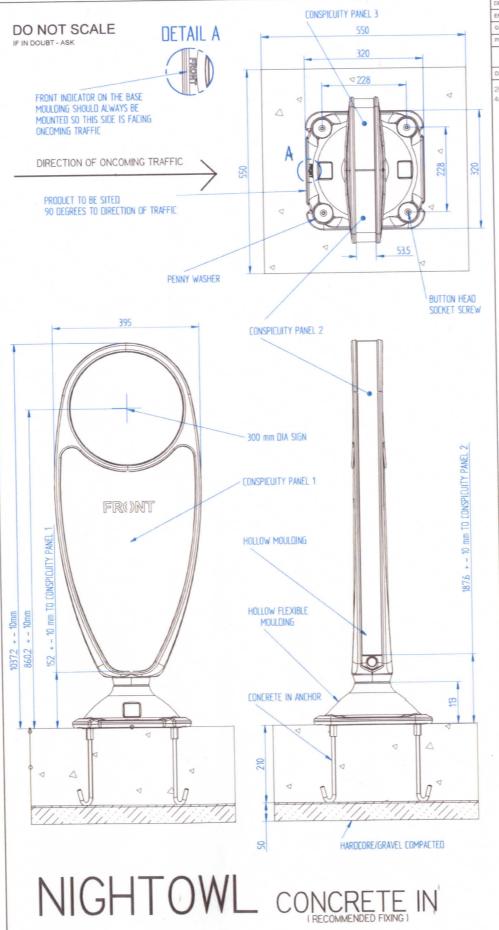
PRODUCT VARIANTS

IJ NIGHTOWL STANDARD - WITH 300 DIA SIGN FACE WITH CONSPICUITY PANEL I ON FRONT AND CONSPICUITY PANEL 2 & 3 COVERING THE SIDES.

2) NIGHTOWL STANDARD + CONSPICUTY PANEL I ON THE BACK.

3) NICHTOWL STANDARD + PANEL 1 ON THE BACK + 300 DIA SION ON BACK

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NOT TO SCALE	NIGHT OWL		
AEdwards	NIGHT OWL -	NIGHT OWL - SURFACE MOUNT	
DATE 19/05/09	SPECIFICATI	ION	
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NOTE - THIS IS A NON ILLUMINATED PRODUCT - RESTRICTIONS APPLY TO ITS USE

AUTHORISATION FOR USE MUST BE OBTAINED FROM THE DFT.

DESIGN	100
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

CONSPICUITY PANEL 1 - IFRONT PANEL

- COMPLIES WITH THE REQUIREMENTS OF BS8442 2006. MATERIAL - 3M DIAMONO GRADE DG3 FLUORESCENT YELLOW REFLECTIVE VINYL OR ALTERNATIVE APPROVED TO BS8408

160,999 mm2 METERS PROJECTED AREA

CONSPICUITY PANEL 2 & 3 ISIDE PANELSI

- COMPUIES WITH THE REQUIREMENTS OF BS8.442.2006. MATERIAL. - 3M DIAMOND GRADE DG3 FLUORESCENT YELLOW REFLECTIVE VINYL OR ALTERNATIVE APPROVED TO BS8.408.

44,802 mm2 METERS PROJECTED AREA PER SIDE

COMPONENTS USED TO ASSEMBLE PRODUCT LEXCLUDING GROUND EIXINGS 1:

- I, IXI I M8 FORMC WASHER 20mm 0D I.6mm THICK
- 2. (XI) M8 x I3mm DYNAFIX ZINC DIECAST
- 3.1 XI 1 MIO x 120mm SOCKET HEAD CAP SCREW STAINLESS STEEL
- 4, (X2)BOLT CAP 25mm Dia X 11,5mm LDPE

GROUND FIXING

CONCRETE IN FIXING

- 1.1 X41 MID x 40mm BUTTON HEAD SOCKET SCREW STAINLESS STEEL
- 2.1 XI 1 MIO PENNY WASHER 50mm 0D 3mm THICK STAINLESS STEEL
- 3.(1X4) LPE CONCRETE IN SOCKET ANCHOR MID X 210MM LONG FOR EQUIVALENT HEAVY DUTY CONCRETE IN FIXING INSERT OF MIN AXIAL LOAD RATING 600 kg)
- 4.1 X4 LCOMPRESSION SPACER 10MM ID 22mm 0D X 20mm NYLON
- FOUNDATION TO CONSIST OF STRUCTURAL CONCRETE SPEC I MINIMUM C20125 I OF SIZE 550x550x210mm WITH 50 mm OF HARDCORE I 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

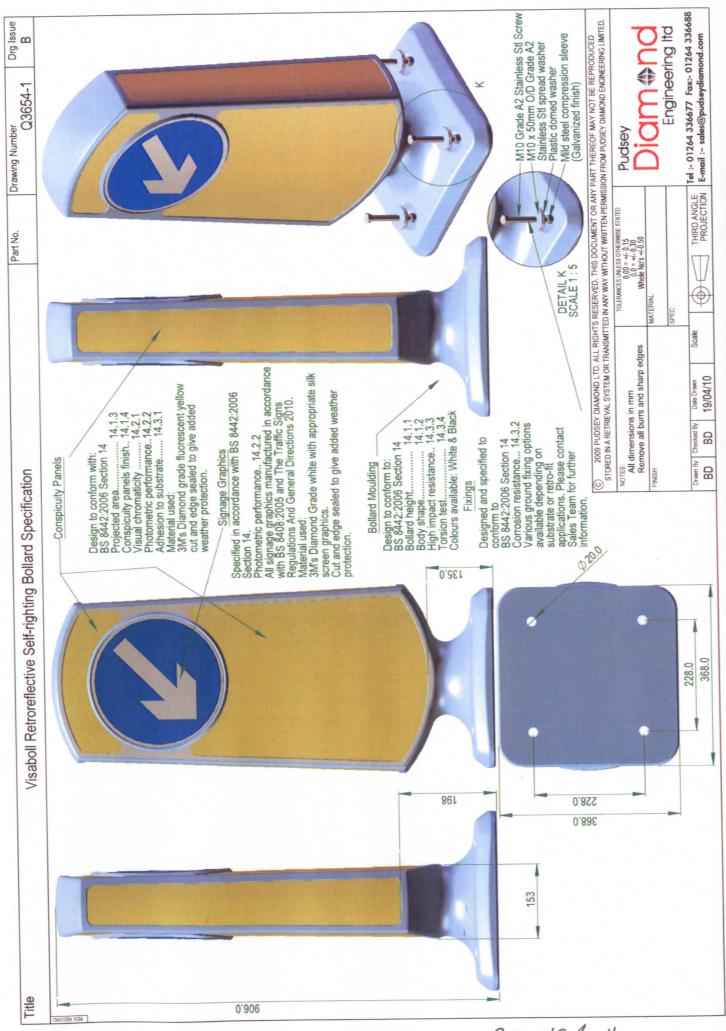
I) NICHTOWL STANDARD WITH 300 DIA SIGN FACE WITH CONSPICUTY PANEL I ON FRONT AND CONSPICUITY PANEL 2 8 3 COVERING THE SIDES, ISINGLE SIDEDI

2) NIGHTOWL STANDARD + PANEL I ON BACK

3) NIGHTOWL STANDARD + PANEL | ON THE BACK + 300 DIA SIGN ON BACKLIDOUBLE SIDED)

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ALL DIMENSIONS IN mm



Retroreflective Self Righting Bollard **Cusack Dynaflex**

(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, 666mm2

Side conspicuity panels area (each); 51,205mm2

Optional rear conspicuity panel area; 151, 666mm2

Cusack (Tools Supplies) Ltd (Wolverhampton) The Hydra Building, Mammoth Drive Wolverhampton Science Park

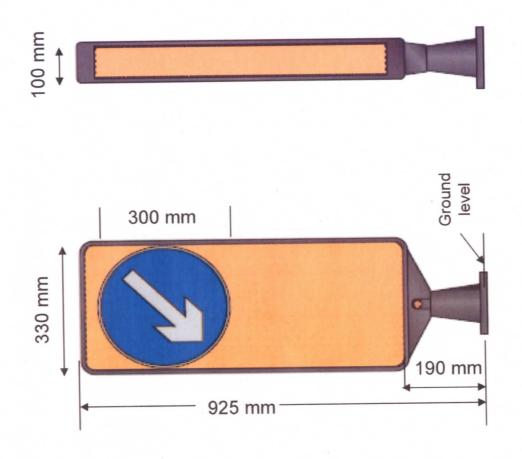
Wolverhampton

West Midlands

WV10 9TF

Web; www.cusack.co.uk

Email: sales@cusack.co.uk



Single sided or double sided options.

