

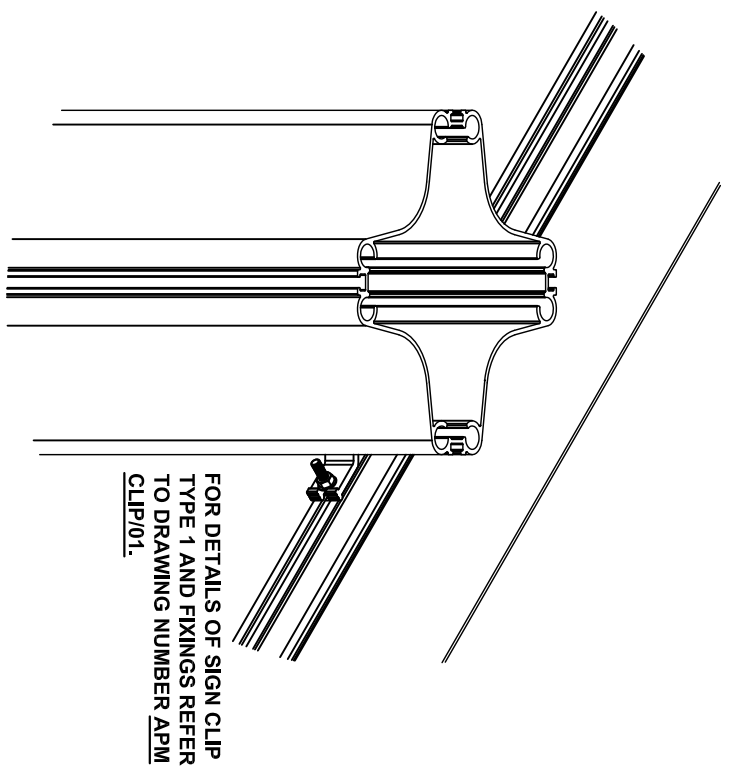
MULTI LEG SUPPORT.

H3000 PASSIVE MAST INFORMATION.

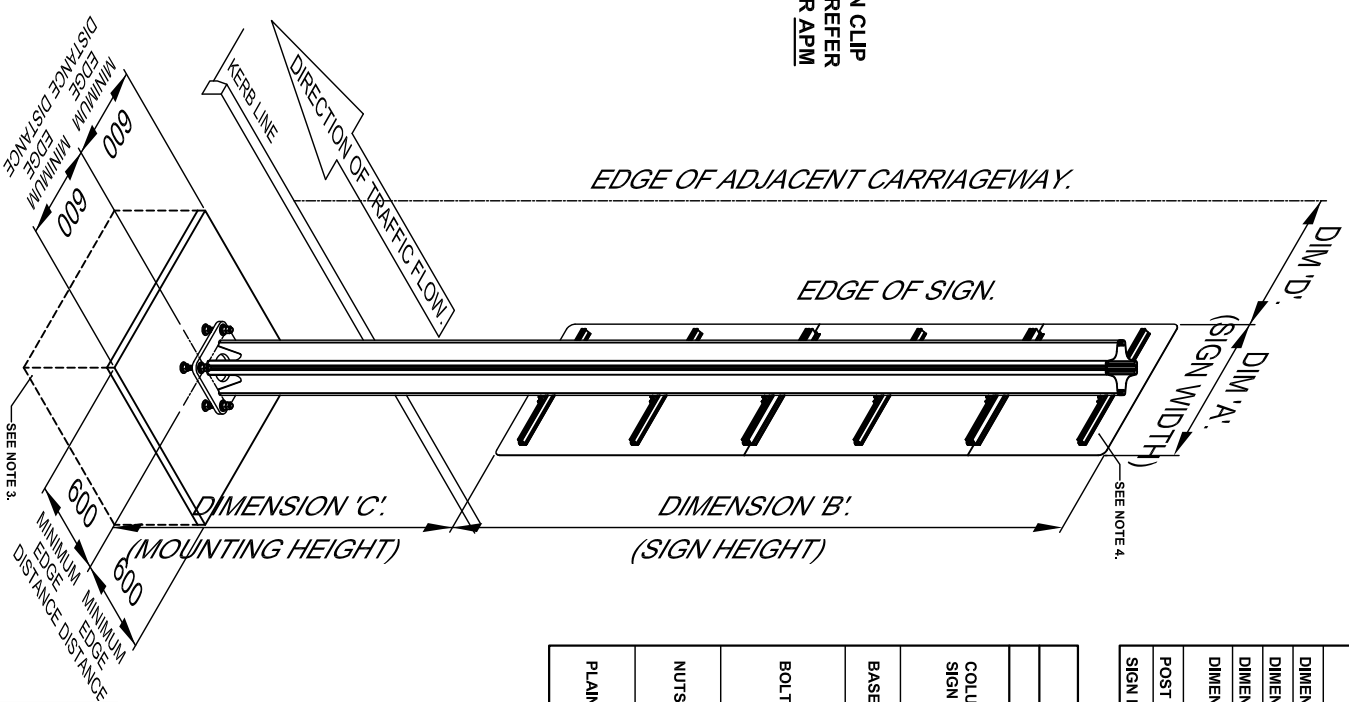
Section Size (mm)	Section Weight (kg/m)	Baseplate Weight (kg)	Bending Capacity (kNm)	Bending Stiffness (kNm ²)	Torsional Capacity (kNm)	Torsion Stiffness (kNm ²)	Shear Capacity (kN)
252 x 252	14.50	24.0	64	1040	25.6	277.49	91

H3000 PASSIVE MAST PERFORMANCE.

BS. EN. 12767:2007.	
IMPACT TEST CRITERIA.	35 km/h and 100 km/h
ENERGY ABSORPTION CATEGORY.	NE
SPEED CLASS.	100
OCCUPANT SAFETY LEVEL.	2



ENLARGED VIEW ON SIGN ATTACHMENT.



SINGLE LEG SUPPORT.

MINIMUM INFORMATION TO BE PROVIDED FOR PASSIVE MASTS.

	SINGLE LEG SIGN	MULTI LEG SIGN
DIMENSION 'A' - SIGN WIDTH	■	■
DIMENSION 'B' - SIGN HEIGHT	■	■
DIMENSION 'C' - SIGN MOUNTING HEIGHT	■	■
DIMENSION 'D' - DISTANCE FROM SIGN EDGE TO CARRIAGEWAY	■	■
POST CENTRES.	■	■
SIGN LOCATION.	■	■

MATERIAL SPECIFICATION.

ITEM	SPECIFICATION
COLUMN AND SIGN CLIP.	ALL EXTRUSIONS ARE TO BE ALUMINIUM ALLOY IN ACCORDANCE WITH BS. EN. 573-1, BS. EN. 573-2, BS. EN. 573-3, BS. EN. 573-4, BS. EN. 755-1, BS. EN. 755-2, BS. EN. 755-3, BS. EN. 755-4 AND BS. EN. 755-5, WITH A MINIMUM PROOF STRESS OF 210N/mm ² FOR THE COLUMN SECTION.
BASEPLATE.	BASEPLATE TO BS. EN. 10025 GRADE S355J2G3, HOT DIPPED GALVANISED TO BS. EN. ISO. 1461.
BOLTS.	FOR HOLDING DOWN SETPINS SPECIFICATION REFER TO DRAWING NUMBER FCL 604. M12 SETPINS TO CONFORM TO BS. EN. ISO. 4017 AND BE STAINLESS STEEL TO GRADE A4 B7M/A4 709.
NUTS.	FOR HOLDING DOWN NUTS REFER TO DRAWING NUMBER FCL 604. M8 NUTS TO CONFORM TO BS. 3692 AND BE STAINLESS STEEL TO BS. EN. ISO. 3506-2 GRADE A2 OR SIMILAR.
PLAIN WASHERS.	FOR HOLDING DOWN BOLT WASHERS REFER TO DRAWING NUMBER FCL 604. M12 AND M8 FORM 'C' WASHERS TO BS. 4320 AND TO BE STAINLESS STEEL TO BS. EN. ISO. 3506 GRADE A4 OR A2.



CE
No. 0086-CPD-565203

SECTION SCHEDULE

1	COLUMN SECTION VARS 101	
2	SIGN CLIP SECTION 110738	
3	BASEPLATE SECTION	

SCALE
SCALE: 1:10

DATE
DATE: 09/09/2008

DRN
DRN: P.G.H.

CHK
CHK: D.V.C.

TITLE
TITLE: STANDARD ARRANGEMENT DRAWINGS OF H3000 ALUMINIUM PASSIVE MAST.

GENERAL NOTES.

- 1/ THE MINIMUM EDGE DISTANCE SHOWN FOR ANCHORAGES IS TO ELIMINATE ANY REDUCTION FACTORS.
- 2/ SIGN FOUNDATION TO BE PROVIDED BY OTHERS AND CAN PROTRUDE ABOVE GROUND LEVEL BY A MAXIMUM OF 50mm.
- 3/ THE FOUNDATION DESIGN IS THE RESPONSIBILITY OF THE SCHEME DESIGNER. THE FOUNDATION SHALL BE DESIGNED AS RIGID IN ACCORDANCE WITH ANNEX A.2 OF BS. EN. 12767:2007.
- 4/ SIGNAGE TO BE PROVIDED AND INSTALLED BY OTHERS. SIGN MATERIAL, CHANNEL TYPE AND CHANNEL SPACINGS COULD AFFECT THE POST LOCATIONS.
- 5/ FABRICATION TO BE IN ACCORDANCE WITH BS.8118-2.
- 6/ AN EASILY LEGIBLE IDENTIFICATION PLATE SHALL BE APPLIED AND LOCATED APPROXIMATELY 1.5m ABOVE THE BASEPLATE IN AN EASILY VISIBLE POSITION.

LIST OF ADDITIONAL REFERENCE DRAWING FOR PASSIVE MASTS.

DRAWING NUMBER	TITLE
APM H500 / 01.	HIMAST H500 PASSIVE MAST DETAILS.
APM H1000 / 01.	HIMAST H1000 PASSIVE MAST DETAILS.
APM H2000 / 01.	HIMAST H2000 PASSIVE MAST DETAILS.
APM CLIP / 01.	ALUMINIUM SIGN CLIP TYPE 1.
FCL 685.	140x140 M16 CAST-IN ANCHORAGES.

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DRAWING NUMBER
APM H3000 - 01.A.