



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NO. HLDSDGE07-CL0054, DRAWING NO. HLDSDGE07-CL0055 AND DRAWING NO. HLDSDGE07-CL0056.
3. THE DESIGN OF BRACKET AS SHOWN IN THIS DRAWING IS FOR REFERENCE ONLY. THE BRACKET DESIGN, PROJECTION LENGTH AND TILTING ANGLE SHALL BE SPECIFIED BY THE ENGINEER.
4. THE HEIGHT OF MAIN POLE IS SUBJECTED TO THE DESIGN OF BRACKET. SHOULD BRACKET OTHER THAN TYPE SL BRACKET SHOWN IN DRAWING NO. HLDSDGE07-CL0052 IS ADOPTED, THE CONTRACTOR SHALL PROPOSE THE ADJUSTED HEIGHT OF MAIN POLE TO MAINTAIN THE COLUMN HEIGHT FOR THE ENGINEER'S APPROVAL.
5. WHEN CASTING OF THE SPECIFIED CONCRETE SURROUND OF COLUMN IS NOT POSSIBLE, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE FOUNDATION DESIGN FOR THE ENGINEER'S APPROVAL.
6. STEEL GRADE OF AT LEAST GR65 SHALL BE USED FOR THE POLE. AFTER FABRICATION, ALL STEEL IS TO BE HOY-DIP GALVANIZED IN ACCORDANCE WITH BS EN ISO 1461. AFTER HOT-DIP GALVANIZED, THE SURFACE OF POLE SHALL BE TREATED WITH POWDER COATING AS PER THE ENGINEER'S SPECIFICATION.
7. TWO 150mm x 75mm THROUGH HOLES SHALL BE PROVIDED FOR THE ENTRY OF PUBLIC LIGHTING POWER CABLES AND SMART DEVICE CABLES. THE THROUGH HOLES SHALL BE PROPERLY PLUGGED DURING CONCRETING WITH PROVISION FOR SUBSEQUENT CABLE ENTRY.
8. THE CONTRACTOR SHALL INSTALL TWO DIA. 20mm AND ONE DIA. 25mm PVC CONDUITS EACH WITH DRAW WIRE IN THE SMART LAMPOST COLUMN. THE CONDUITS SHALL BE CONNECTED TO THE SMART DEVICE CABLES ENTRY THROUGH HOLE WITH DIA. 25mm / 32mm FLEXIBLE CONDUITS AND INSTALLED ALONG THE STEEL SUPPORT PLATE TO THE TOP OF COLUMN.
9. THE DETAILS OF SMART DEVICE HOUSING SHALL REFER TO DRAWING NO. HLDSDGE07-CL0056.
10. FOR NON-SPECIFIED DIMENSIONS OR DIMENSIONS OF SMART LAMPOST COLUMN OF NON-SPECIFIED HEIGHT, RELEVANT APPROVAL BY THE ENGINEER SHALL BE SOUGHT.

A (m)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)
5.1	4422	530	1100	2220	N/A	3720	2600	N/A
8.0	7322	680	1600	2600	4300	6000	3000	N/A
10.0	9322	680	1600	2600	4850	7000	3000	6000
12.0	11322	800	1600	2600	4850	7000	3000	6000

	New issue		Feb 21
REF.	REVISION	SIGNATURE	DATE

HIGHWAYS DEPARTMENT
LIGHTING DIVISION

REFERENCE	DRAWING No.	CAD
SCALE	HLDSDGE07-CL0053	
N.T.S.		

STANDARD DIMENSIONS FOR SMART
LAMPPOST COLUMN (SHEET 1 OF 4)