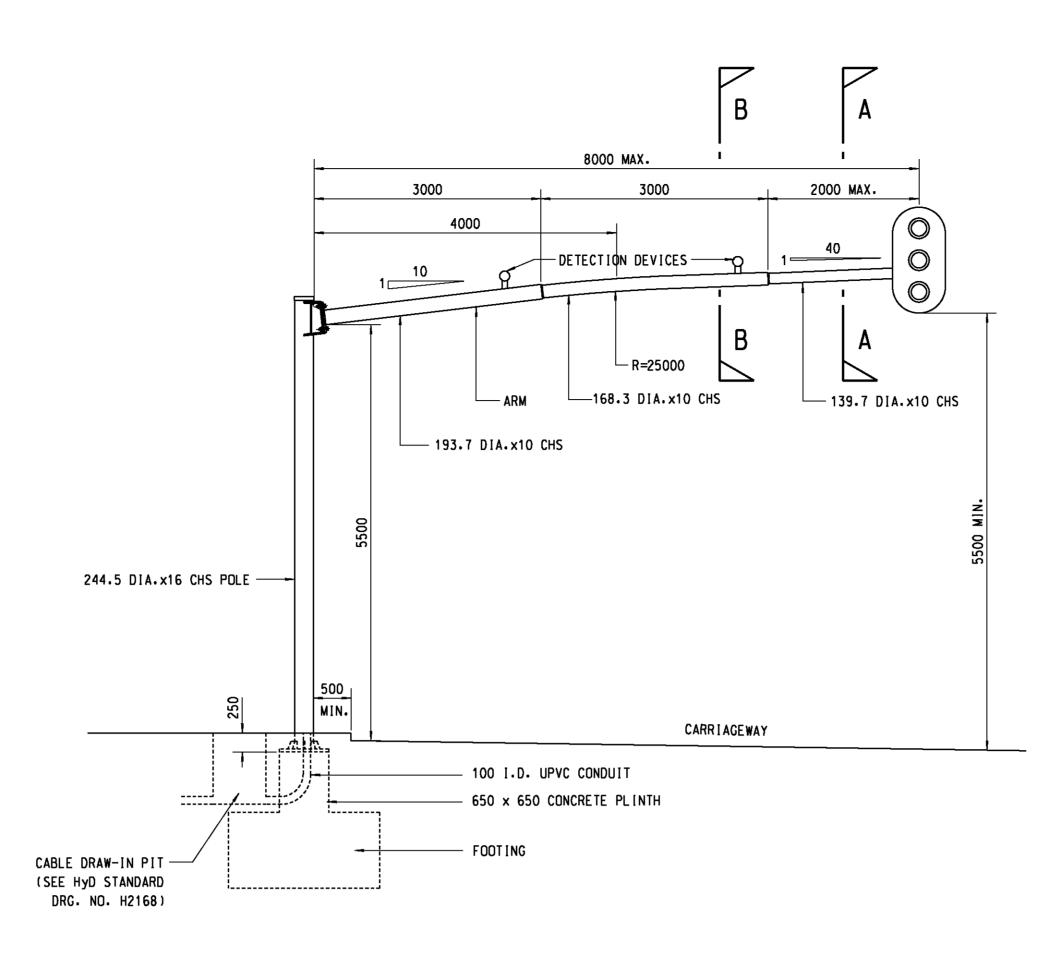


TYPICAL ELEVATION OF TYPE A OTLS



TYPICAL ELEVATION OF TYPE B OTLS SCALE 1 : 50

SCHEDULE OF OTLS MEMBER, CONNECTION & FOUNDATION

TYPE OF OTLS		TYPE A (MAX.	6m OUTREACH ARM)		TYPE B (MAX. 8m OUTREACH ARM)				
NO. OF LIGHTS	3-HEAD (300 DIA.)		6-HEAD (300 DIA.)		3-HEAD (300 DIA.)		6-HEAD	6-HEAD (300 DAI.)	
MAX. BACKING BOARD SIZE (HxW)	NIL	1.6m×0.9m	NIL	1.6m×1.4m	NIL	1.6m×0.9m	NIL	1.6mx1.4m	
POLE SIZE	244.5 DIA.x16 THK. CHS			323.9 DIA.×16 THK. CHS	244.5 DIA.x16 THK. CHS			323.9 DIA.×16 THK. CHS	
ARM SIZE	139.7 DIA.x10 THK. CHS 168.3 DIA.x10 THK. CHS			193.7 DIA.x10 THK. CHS 219.1 DIA.x10 THK. CHS	139.7 DIA. X 10 THK. CHS 168.3 DIA. X 10 THK. CHS 193.7 DIA. X 10 THK. CHS			168.3 DIA.×10 THK. CHS 193.7 DIA.×10 THK. CHS 219.1 DIA.×10 THK. CHS	
SPLICE PLATE OF ARM	380×280×20 THK.			380×330×20 THK.	380×280×20 THK.			380×330×20 THK.	
ARM/POLE BOLT CONNECTION	6xM24 A4-80 S.S. BOLT				6xM24 A4-80 S.S. BOLT				
POLE/FOUNDATION BOLT CONNECTION	8×M30 GRADE 8.8 BOLT				8xM30 GRADE 8.8 BOLT			8×M32 GRADE 8.8 BOLT	
BASE PLATE OF POLE	420 DIA.×40 THK.			500 DIA.×40 THK.		420 DIA.×40 THK.		500 DIA.x40 THK.	
FOUNDATION SIZE (LxWxD)	0.65mx0.65mx1.0m PLINTH 2.0mx2.0mx1.0m FOOTING			0.7mx0.7mx1.0m PLINTH 2.5mx2.5mx1.0m FOOTING	0.65mx0.65m	x1.0m PLINTH 2.0mx2	.Omx1.Om FOOTING	0.7mx0.7mx1.0m PLINTH 2.5mx2.5mx1.0m FOOTING	



SCALE 1 : 50

BY SUPPLIER

SCALE 1 : 50



SECTION A-A

DETECTION DEVICES (AUTOSCOPE SOLO PRO) OR EQUIVALENT FIXING DETAIL-TO BE DESIGNED

SECTION B-B

1. BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS PRODUCED BY METHODS APPROVED BY THE ENGINEER. ALL EXPOSED BUTT JOINTS SHALL BE GROUND SMOOTH AND BUFFED.

12. THE STEELWORK SHALL BE PAINTED IN A COLOUR TO BE AGREED BY THE ENGINEER.

13. MATERIAL AND WORKMANSHIP SHALL COMPLY WITH BS 5400:PART 6.

14. AFTER FABRICATION ALL STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH BS EN10240 TO THE APPROPRIATE COATING WEIGHT. SURFACE SHALL BE PROPERLY PREPARED REMOVING ALL RUST. DIL. PAINT AND OTHER SURFACE CONTAMINANTS. MILL SCALE AND WELDING LAG SHALL BE REMOVED BY GRIT BLASTING. CUT FACE AND OUTSIDE ARRISES SHALL BE GROUND SMOOTH. THE SIZE AND POSITION OF ANY VENT HOLES REQUIRED BY THE GALVANIZER, TOGETHER WITH HIS PROPOSED METHOD OF RE-SCALING. SHALL BE NOTIFIED TO THE ENGINEER FOR HIS APPROVAL.

15. AFTER FABRICATION ALL EDGES SHALL BE SLIGHTLY RADIUSED AND FREE OF BURRS.

16. NO WELDING ON SITE WILL BE PERMITTED UNLESS OTHERWISE APPROVED BY THE ENGINEER.

17. THE DUROMETER HARDNESS OF THE ELASTOMERIC PAD SHALL BE IN THE RANGE SHORE 'A' 80~90.

18. THE 12mm THICK MOUNTING PLATE AS SHOWN ON ELEVATION H-H OF DRAWING NO. SSD 154(2) SHALL BE WELDED IN A DIRECTION TO ALLOW INSTALLATION OF THE TRAFFIC LIGHTS FACING THE ROAD TRAFFIC.

ALL DIMENSIONS ARE IN MILLIMETRES. THE WORKS SHALL COMPLY WITH THE GENERAL

SPECIFICATION FOR CIVIL ENGINEERING WORKS (1992 EDITION), UNLESS SPECIFIED OTHERWISE.

30/20D

10/20

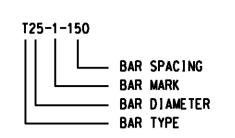
MIN. COVER TO REINFORCEMENT REINFORCEMENT NOTATION:

FOOTING AND PLINTH

BLINDING (75 THK)

CONCRETE GRADES:

NOTES:



T - DENOTES GRADE 460 HIGH YIELD DEFORMED BAR IN COMPLIANCE WITH CS2:1995

ALL STEEL HOLLOW SECTIONS SHALL BE HOT ROLLED SECTIONS. COLD FORMED. HEAT TREATED

STEEL HOLLOW SECTIONS SHALL BE GRADE S355J2H TO BS EN10210-1. OTHER STEEL SECTIONS AND PLATES SHALL BE GRADE S355J2G4 TO

SECTIONS SHALL NOT BE ACCEPTED.

BS EN10025. STAINLESS STEEL BOLTS, NUTS AND WASHERS SHALL COMPLY WITH BS EN ISO 3506-1:1998 PART1 AND 2.AND BE INSULATED FROM GALVANIZED MILD STEEL BY NYLON OR OTHER APPROVED NON-METALLIC WASHERS

THE DIAMETER OF A BOLT HOLE SHALL BE 2mm LARGER THAN THE NOMINAL DIAMETER OF THE BOLT. UNLESS SHOWN OTHERWISE.

AND SLEEVES UNLESS INDICATED OTHERWISE.

HOLDING DOWN BOLTS SHALL BE BOLTED TO TEMPLATE DURING CASTING OF CONCRETE TO ENSURE ACCURATE BOLT SPACING AND SHALL BE INSTALLED NORMAL TO THE BASE PLATE.

HOLDING DOWN BOLTS SHALL BE GRADE 8.8 TO BS 3692 & BS 4933 AS APPROPRIATE. EACH BOLT SHALL BE COMPLETED WITH EITHER A LOCKING NUT OR SPRING WASHER.

O. WELDING AND WELDING SYMBOLS SHALL COMPLY WITH THE REQUIREMENTS OF BS EN1011 AND BS EN22553:1994. ELECTRODES SHALL BE IN ACCORDANCE WITH BS EN499.

A	04/06	NOTE 18 ADDE	SIGNED K.W. WONG.E/P1-1 SIGNED A. YUEN.SE/P1		
no.	date	description		111	initial
		REVI	SION		
		name sign		re	date
designed		T. CHUNG	SIGNED		JUN 02
dra	wn	K. L. HO	SIGNED		JUN 02
te	nior chnical ficer	H. T. TANG	SIGNED)	JUN 02
	roject ngineer	T. CHUNG	SIGNED)	JUN 02
se	nior ngineer	W. C. LAU	SIGNED)	JUN 02

SIGNED	12 JUN		
P.C. WONG	date		
Chief Highway Engineer			
contract no.			

project no.

drawing title

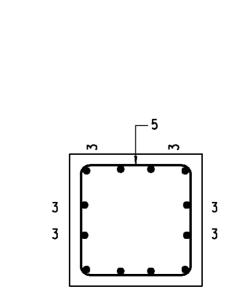
OVERHEAD TRAFFIC LIGHT SIGNAL

> (SHEET 1 OF 2) scale SSD154(1)A AS SHOWN

drawing no.

STRUCTURES DIVISION





R.C. DETAILS OF FOOTING

SECTION C-C