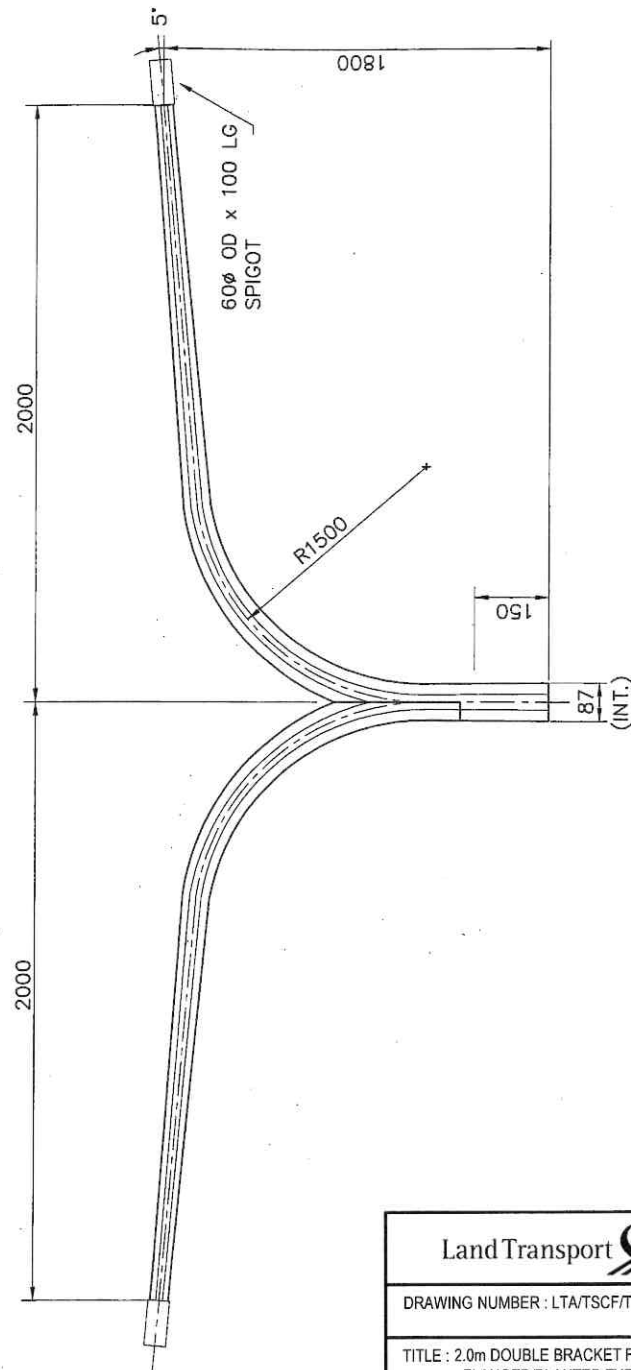
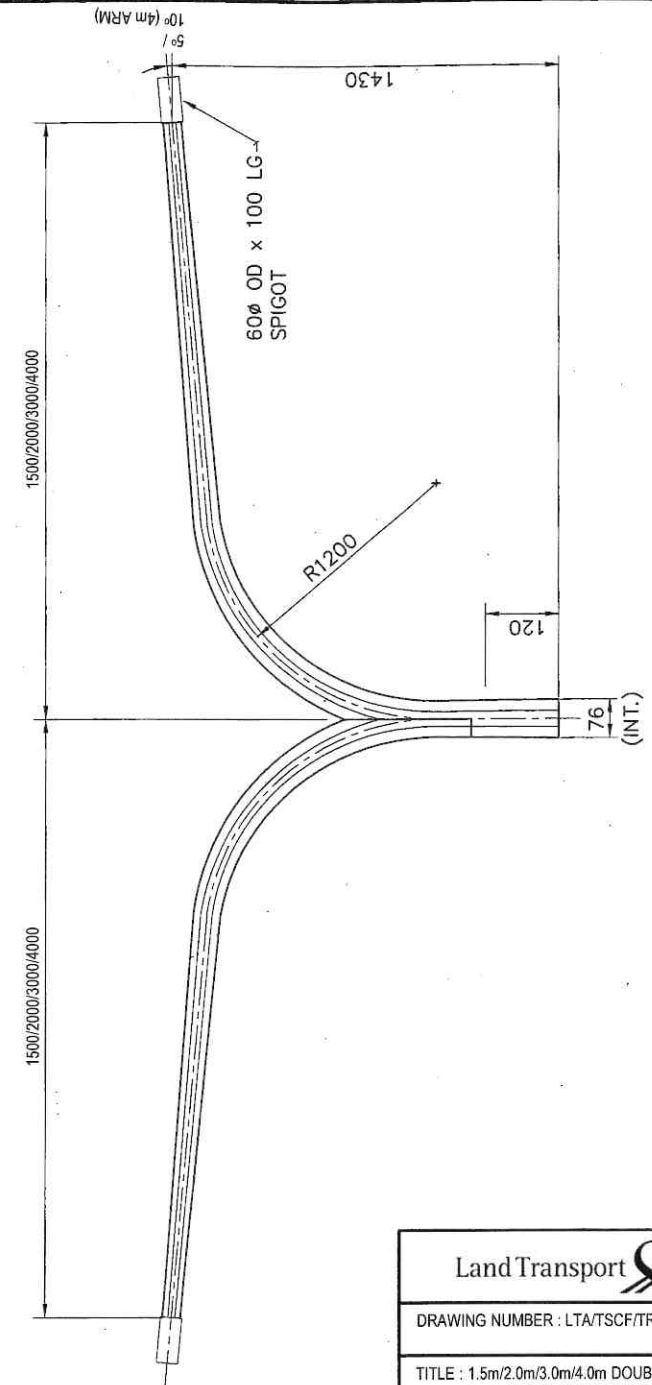




Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-068

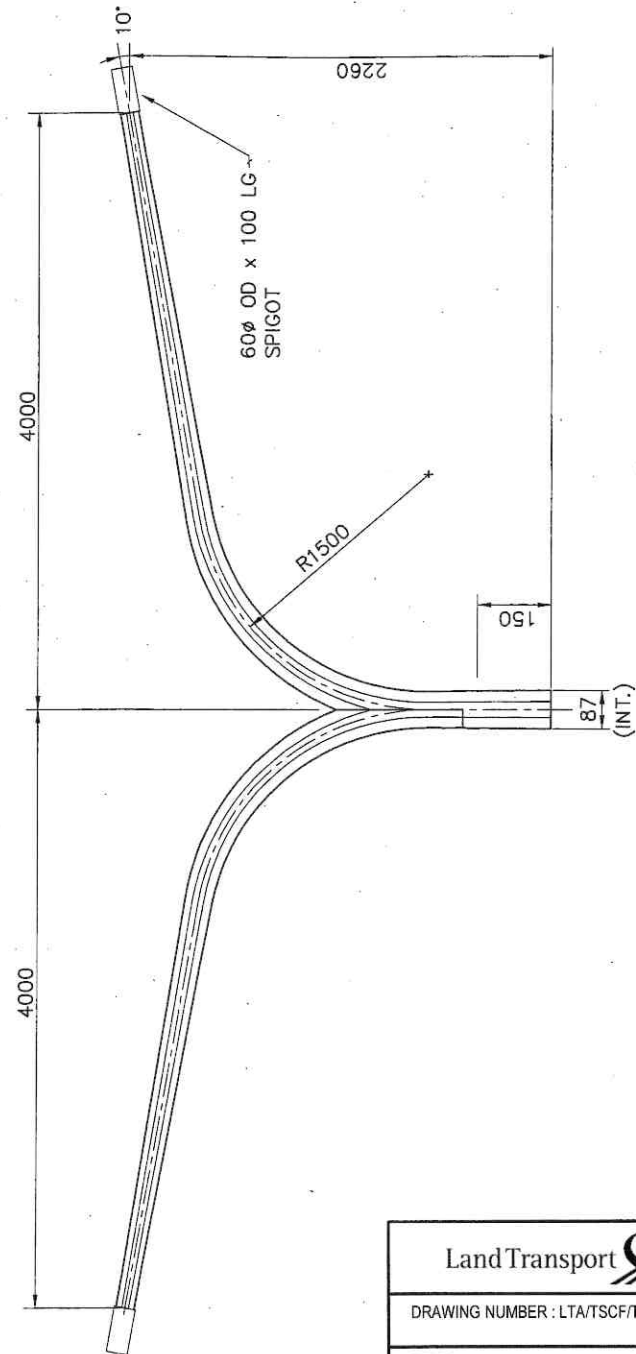
TITLE : 2.0m DOUBLE BRACKET FOR 8.5m/10.2m/12.0m/13.0m
- FLANGED/PLANTED TYPE POLE



Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-067

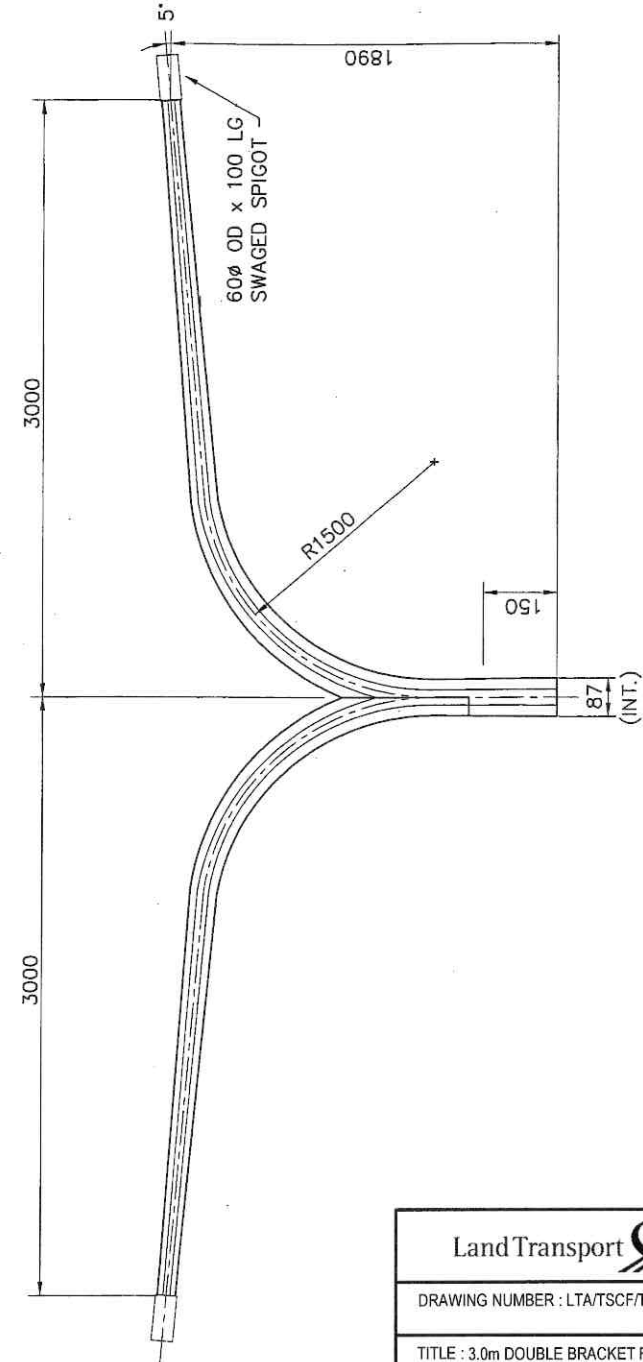
TITLE : 1.5m/2.0m/3.0m/4.0m DOUBLE BRACKET FOR 6.0m -
FLANGED/PLANTED TYPE POLE



Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-070

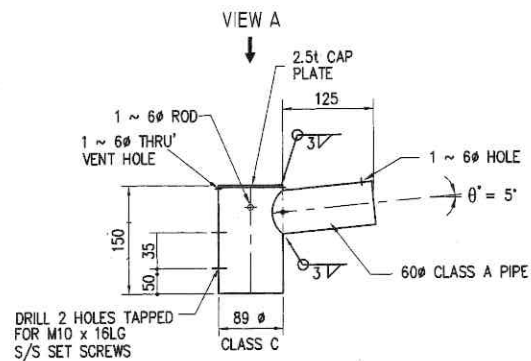
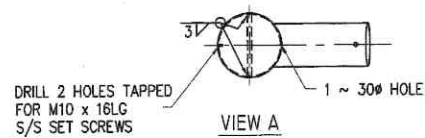
TITLE : 4.0m DOUBLE BRACKET FOR 8.5m/10.2m/12.0m/13.0m
- FLANGED/PLANTED TYPE POLE



Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-069

TITLE : 3.0m DOUBLE BRACKET FOR 8.5m/10.2m/12.0m/13.0m
- FLANGED/PLANTED TYPE POLE



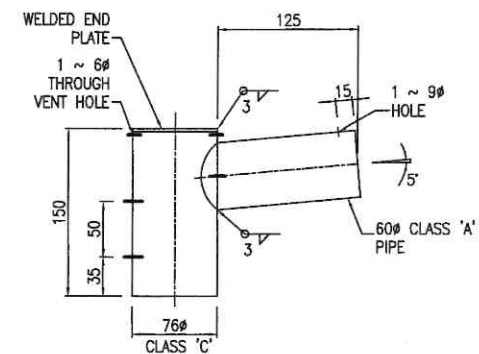
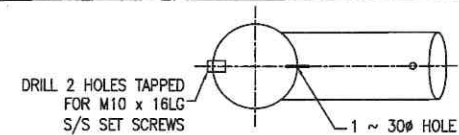
SPA - 125
SINGLE PIPE ADAPTOR

NOTE : FOR 6M LTA POLE

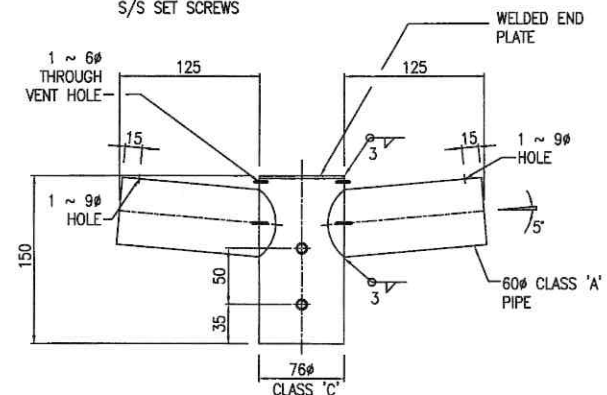
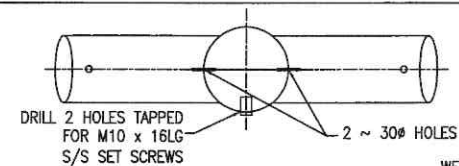
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-072

TITLE : 0.125m SINGLE PIPE ADAPTOR FOR 6.0m POLE



SPA - 125
SINGLE PIPE ADAPTOR



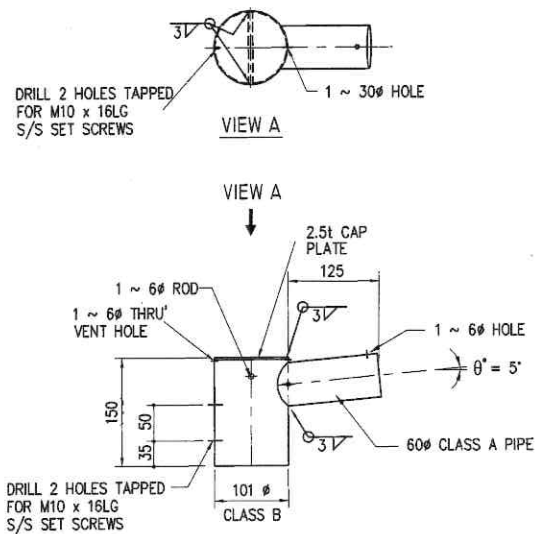
DPA - 125
DOUBLE PIPE ADAPTOR

NOTE : FOR 2.5m, 3.0m, 3.5m LTA POLE

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-071

TITLE : 0.125m SINGLE/DOUBLE PIPE ADAPTOR FOR
2.5m/3.0m/3.5m POLE



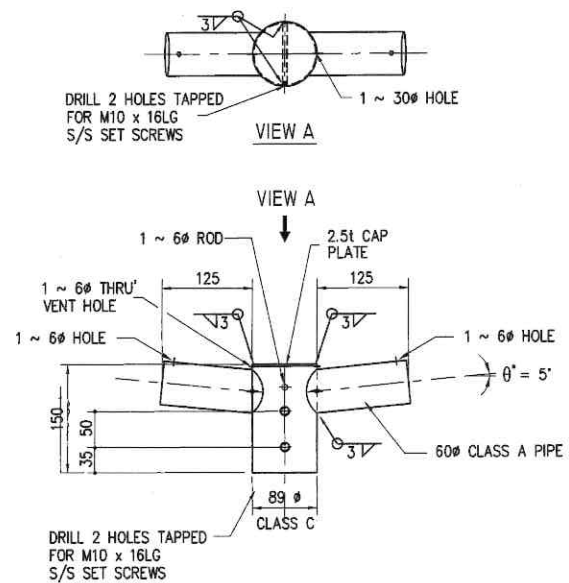
SPA - 125
SINGLE PIPE ADAPTOR

NOTE : FOR 8m, 10m, 12m, & 13m POLE

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-074

TITLE : 0.125m SINGLE PIPE ADAPTOR FOR
8.5m/10.2m/12.0m/13.0m POLE



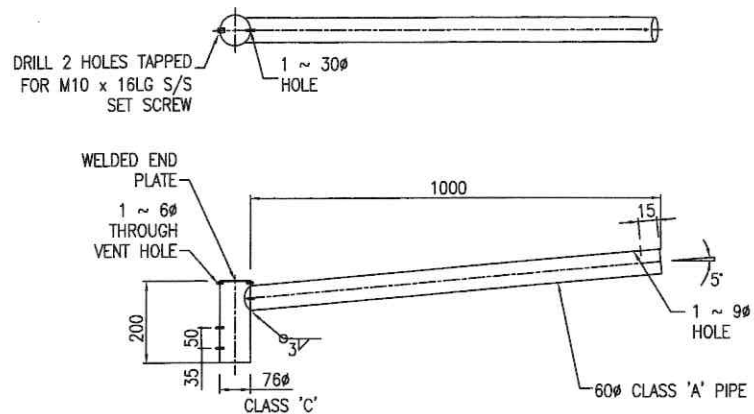
DPA - 125
DOUBLE PIPE ADAPTOR

NOTE : FOR 6m LTA POLE

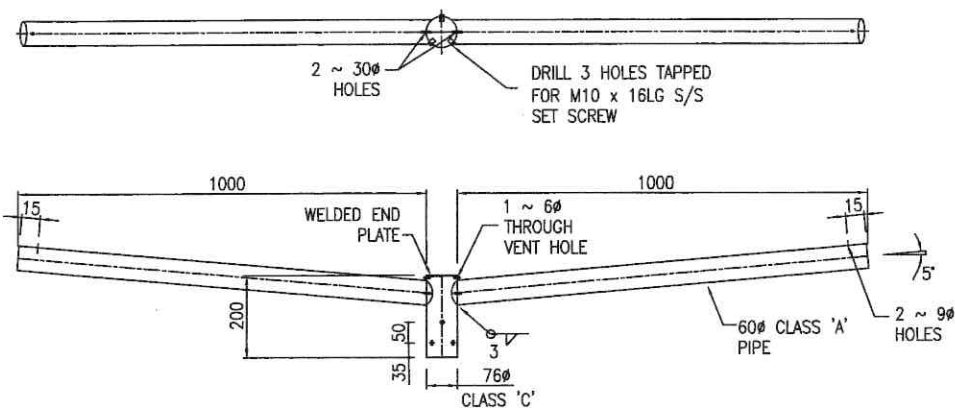
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-073

TITLE : 0.125m DOUBLE PIPE ADAPTOR FOR 6.0m POLE



SPA - 1000
SINGLE PIPE ADAPTOR



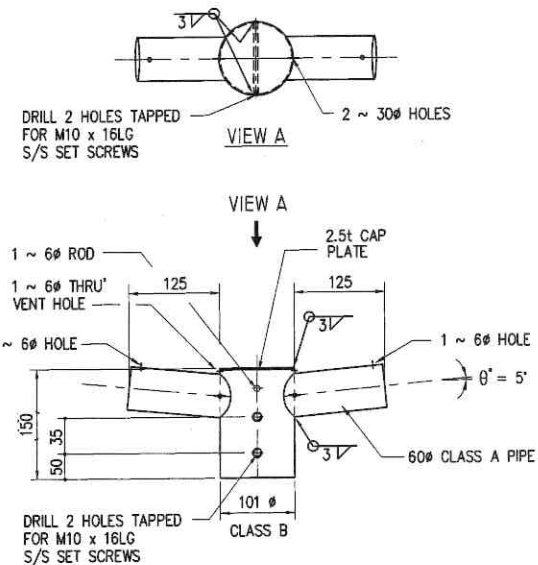
DPA - 1000
DOUBLE PIPE ADAPTOR

NOTE : FOR 2.5m, 3.0m, 3.5m LTA POLE

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-076

TITLE : 1.0m SINGLE/DOUBLE PIPE ADAPTOR FOR
2.5m/3.0m/3.5m POLE



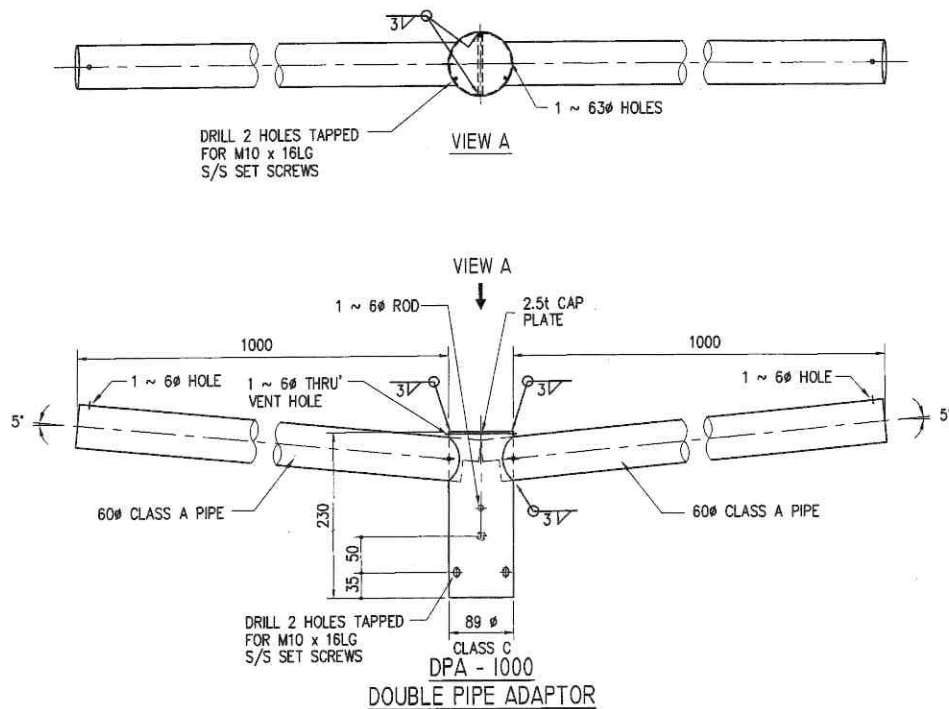
DPA - 125
DOUBLE PIPE ADAPTOR

NOTE : FOR 8m, 10m, 12m, & 13m POLE

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-075

TITLE : 0.125m DOUBLE PIPE ADAPTOR FOR
8.5m/10.2m/12.0m/13.0m POLE

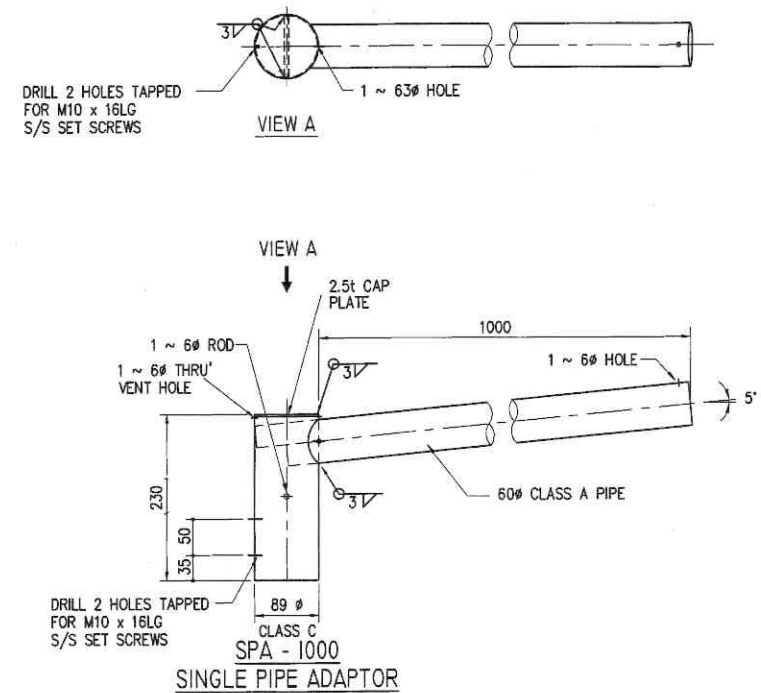


NOTE : FOR 6m LTA POLE

LandTransport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-078

TITLE : 1.0m DOUBLE PIPE ADAPTOR FOR 6.0m POLE

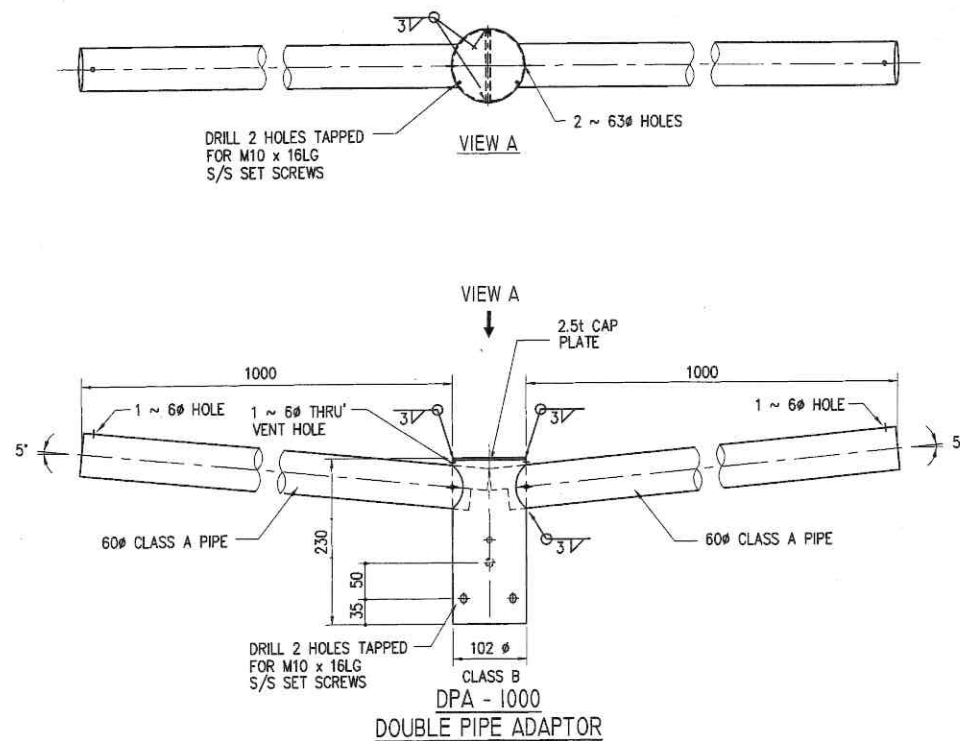


NOTE : FOR 6m LTA POLE

LandTransport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-077

TITLE : 1.0m SINGLE PIPE ADAPTOR FOR 6.0m POLE

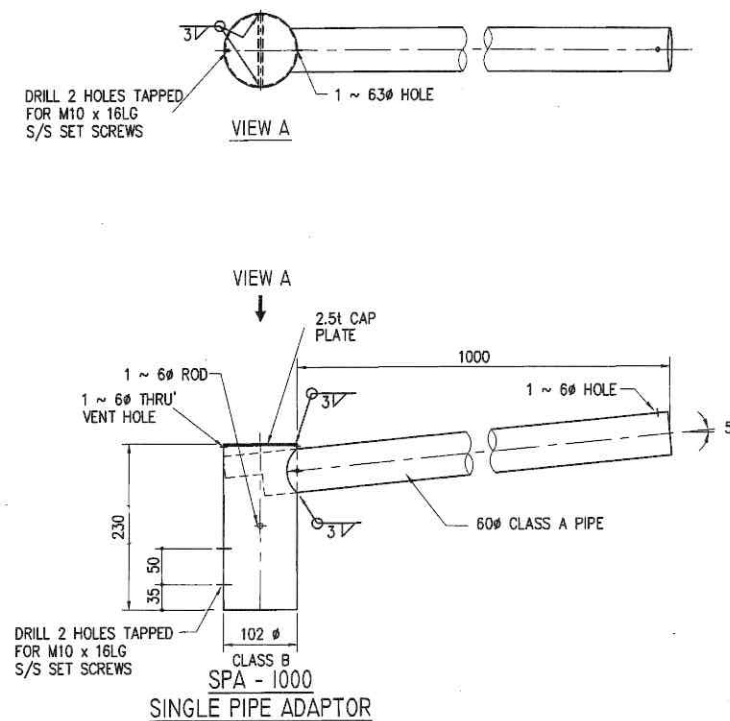


NOTE : FOR 8M, 10M, 12M, & 13M POLE

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-080

TITLE : 1.0m DOUBLE PIPE ADAPTOR FOR
8.5m/10.2m/12.0m/13.0m POLE



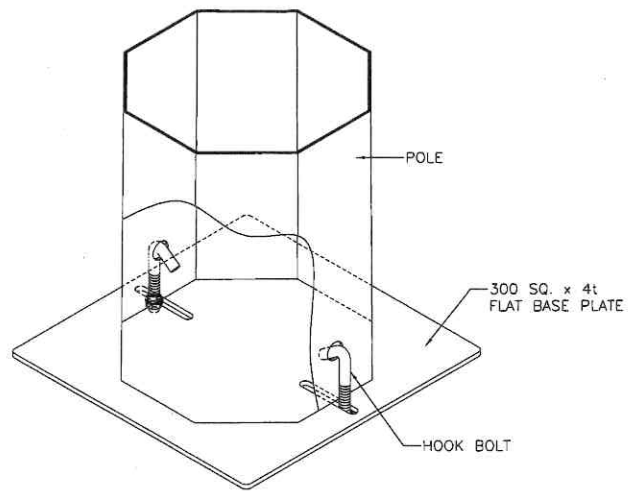
NOTE : FOR 8M, 10M, 12M, & 13M POLE

Land Transport Authority

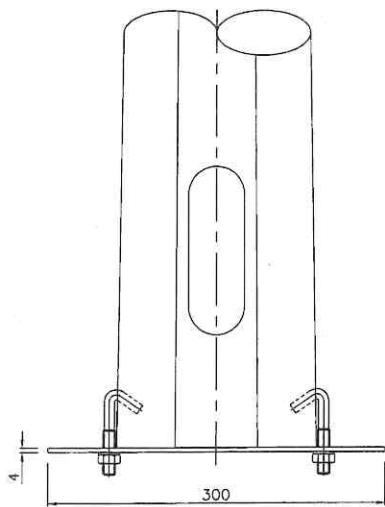
DRAWING NUMBER : LTA/TSCF/TR412/E-079

TITLE : 1.0m SINGLE PIPE ADAPTOR FOR
8.5m/10.2m/12.0m/13.0m POLE

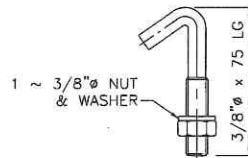
TITLE : 2.0m/3.0m SINGLE KAMPONG BRACKET



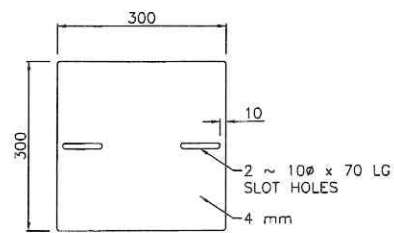
ISOMETRIC VIEW



ELEVATION



HDG Gr 4.6 MS HOOK BOLT

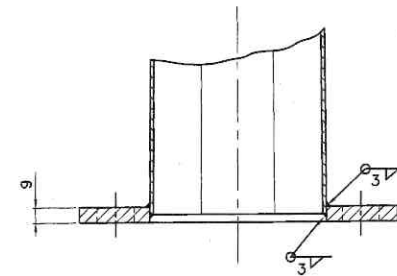


FLAT BASE PLATE

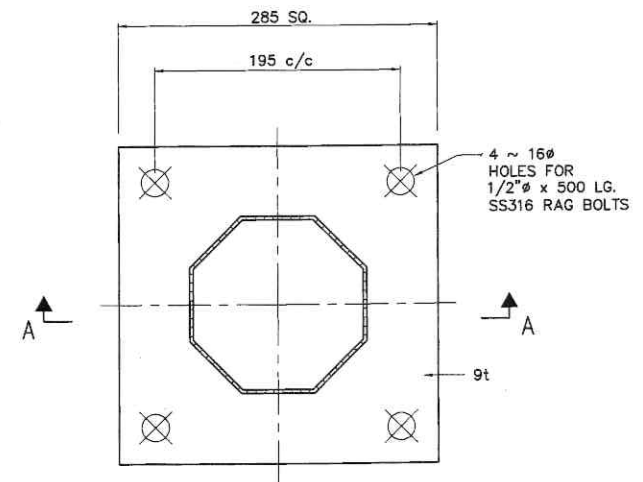
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-084

TITLE : BASE PLATE
2.5m/3.0m/3.5m - PLANTED TYPE POLE



SECTION A-A

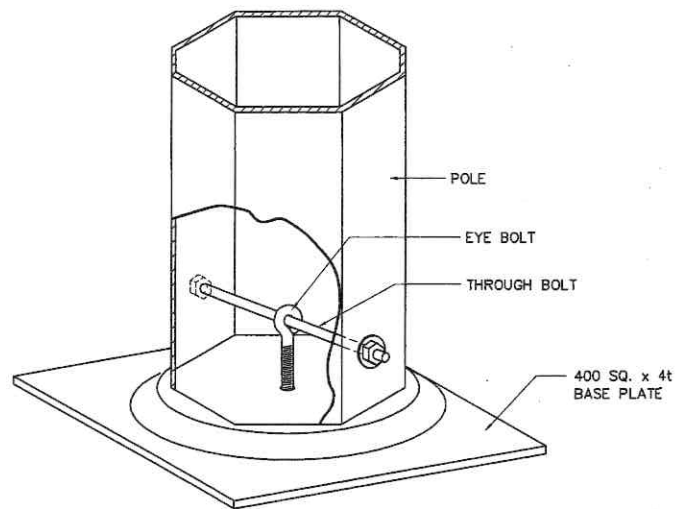


BASE FLANGE

Land Transport Authority

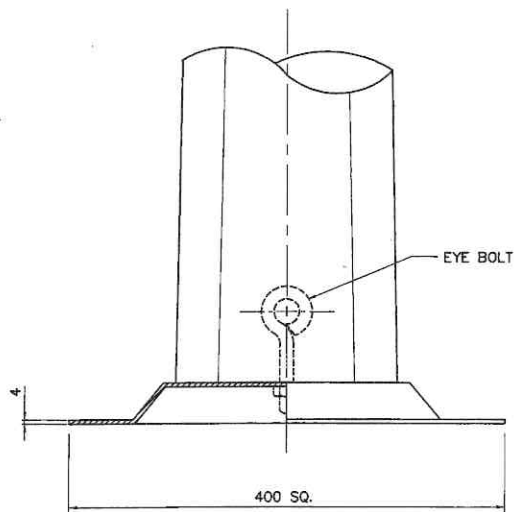
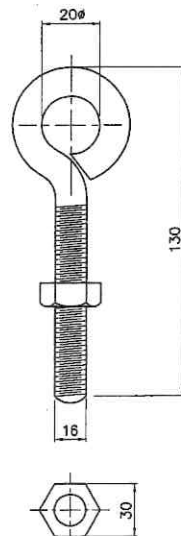
DRAWING NUMBER : LTA/TSCF/TR412/E-083

TITLE : BASE FLANGE
2.5m/3.0m/3.5m - FLANGED TYPE POLE



ISOMETRIC VIEW

EYE BOLT

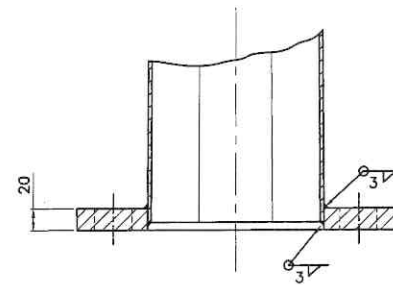


ELEVATION

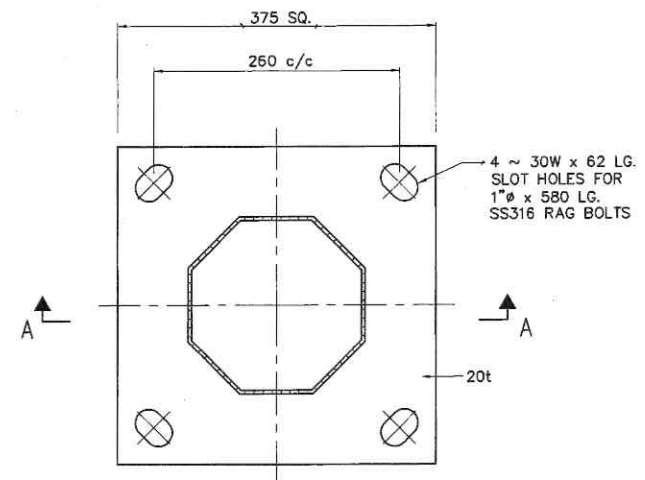
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-086

TITLE : BASE PLATE
6.0m - PLANTED TYPE POLE



SECTION A-A

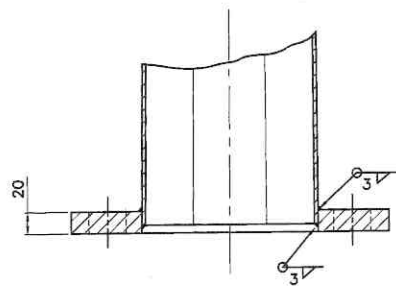


BASE FLANGE

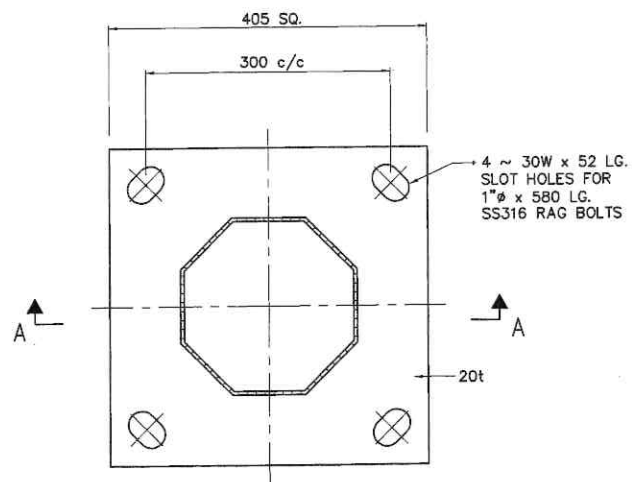
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-085

TITLE : BASE FLANGE
6.0m/8.5m/10.2m - FLANGED TYPE POLE



SECTION A-A

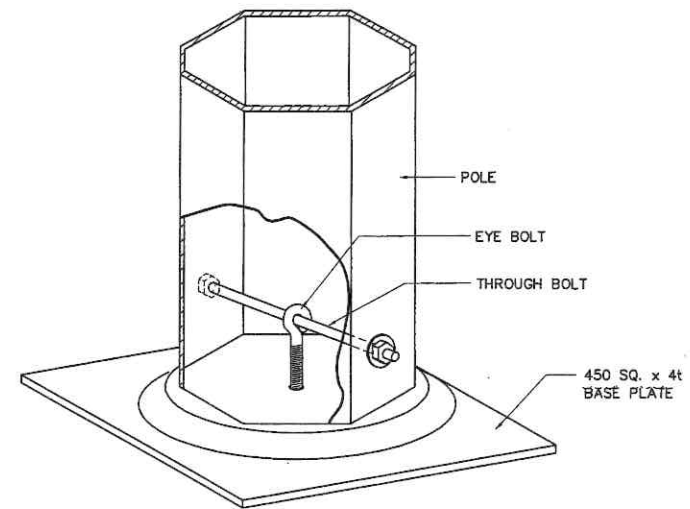


BASE FLANGE

Land Transport Authority

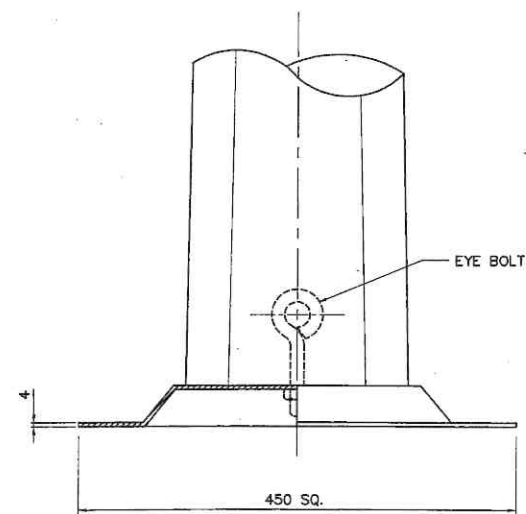
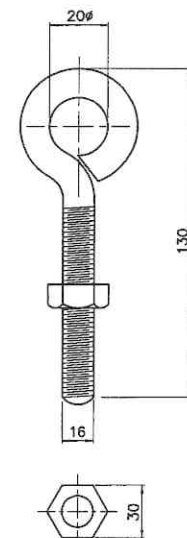
DRAWING NUMBER : LTA/TSCF/TR412/E-088

TITLE : BASE FLANGE
12.0m/13.0m - FLANGED TYPE POLE



ISOMETRIC VIEW

EYE BOLT

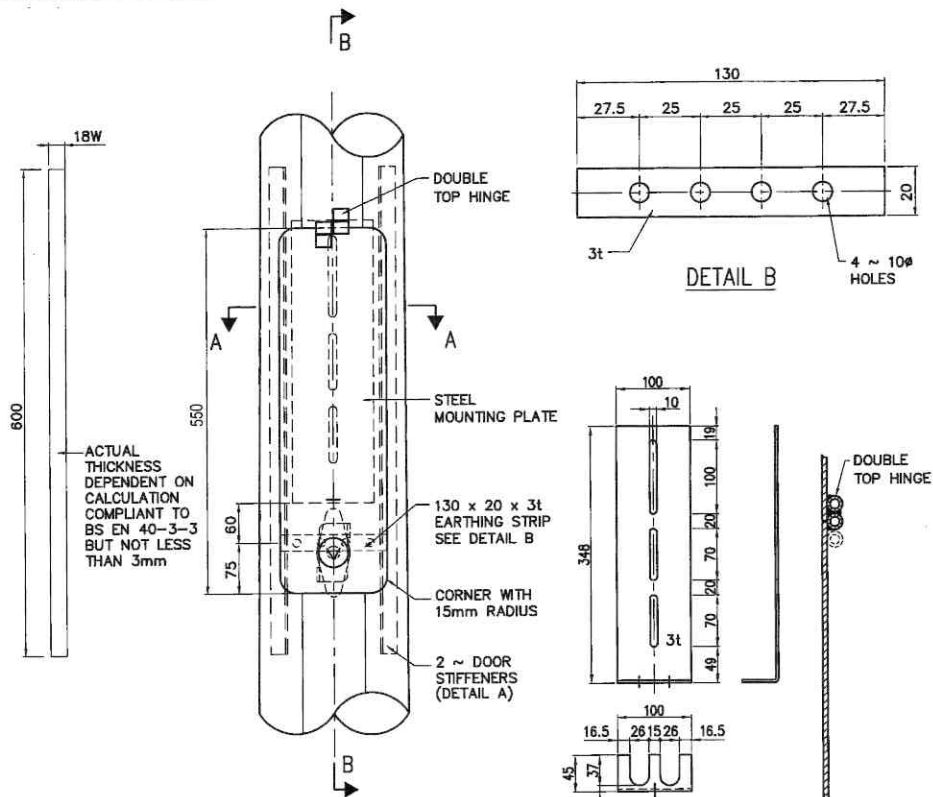


ELEVATION

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-087

TITLE : BASE PLATE
8.5m/10.2m - PLANTED TYPE POLE



DETAIL A

DETAIL OF FLUSHED DOOR

STEEL MOUNTING PLATE

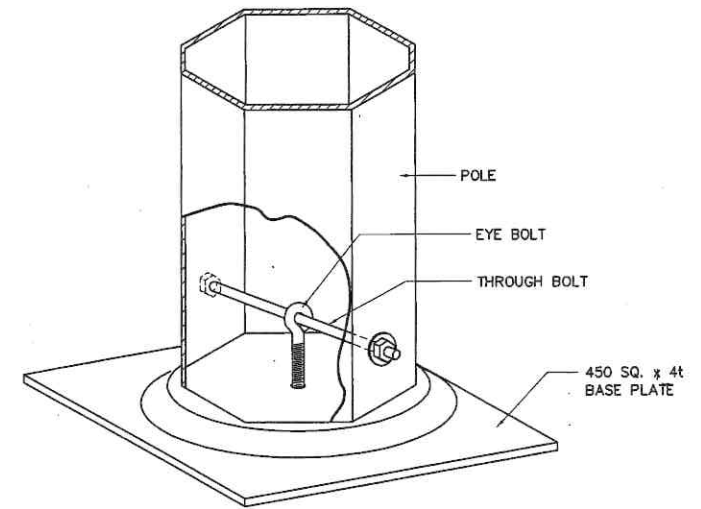
SECTION B-B

SECTION A-A

Land Transport Authority

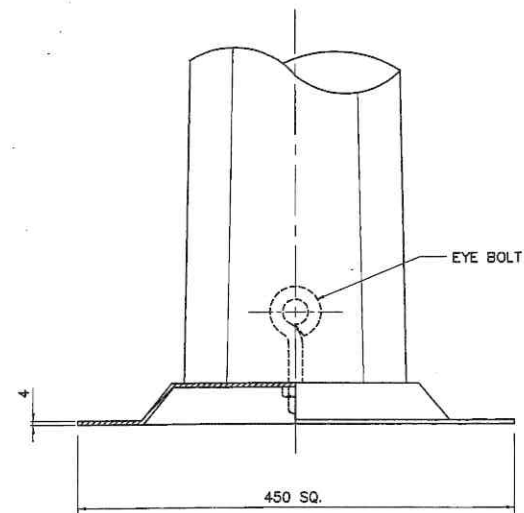
DRAWING NUMBER : LTA/TSCF/TR412/E-090

TITLE : DETAIL OF SERVICE DOOR, DOOR COVER AND DOOR LOCK 2.5m/3.0m/3.5m - FLANGED/PLANTED TYPE POLE

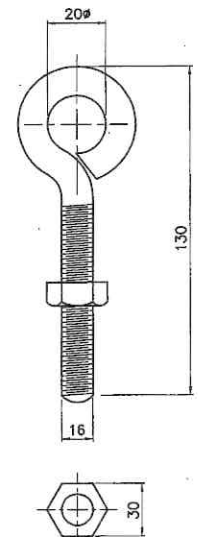


ISOMETRIC VIEW

EYE BOLT



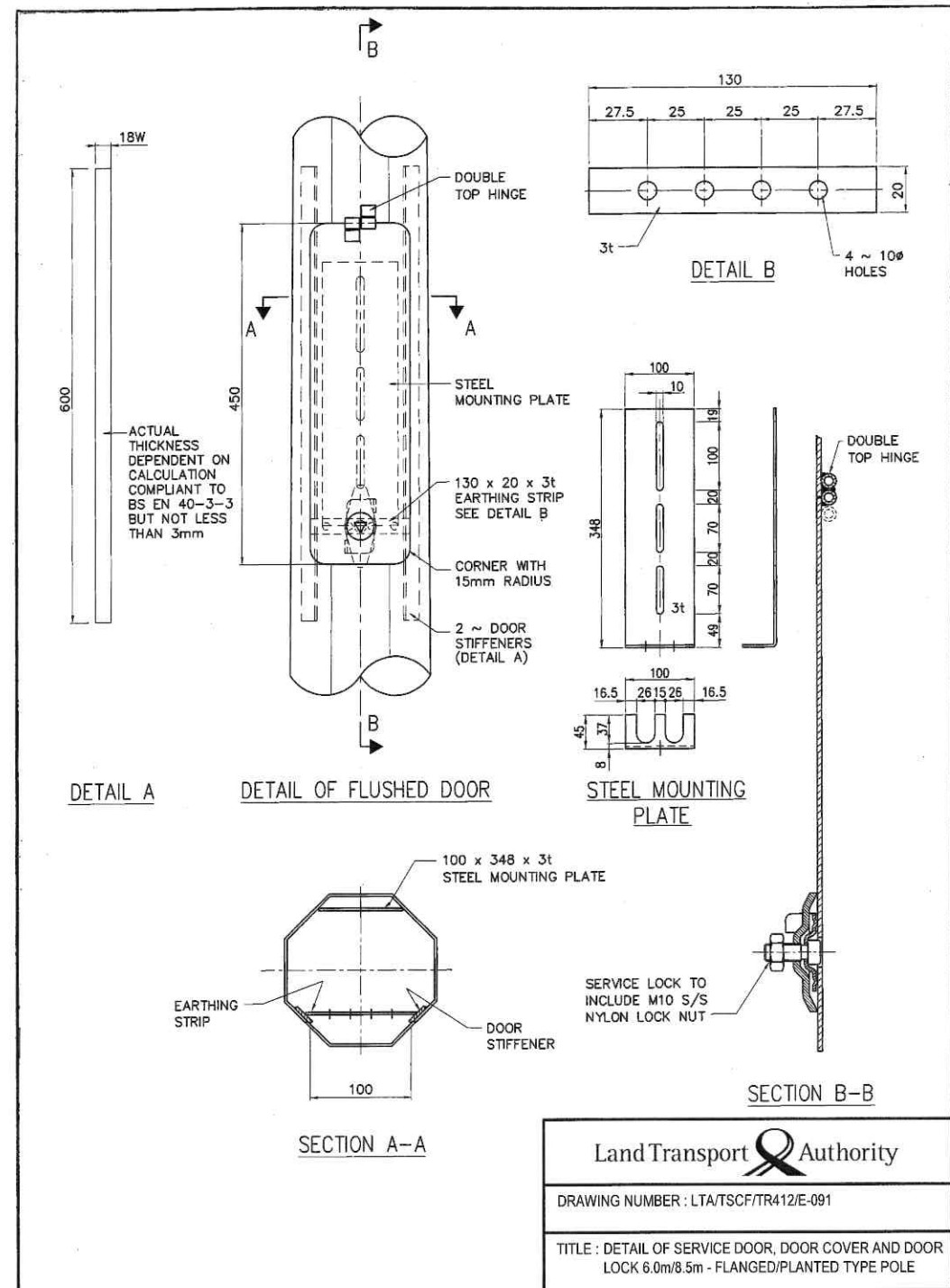
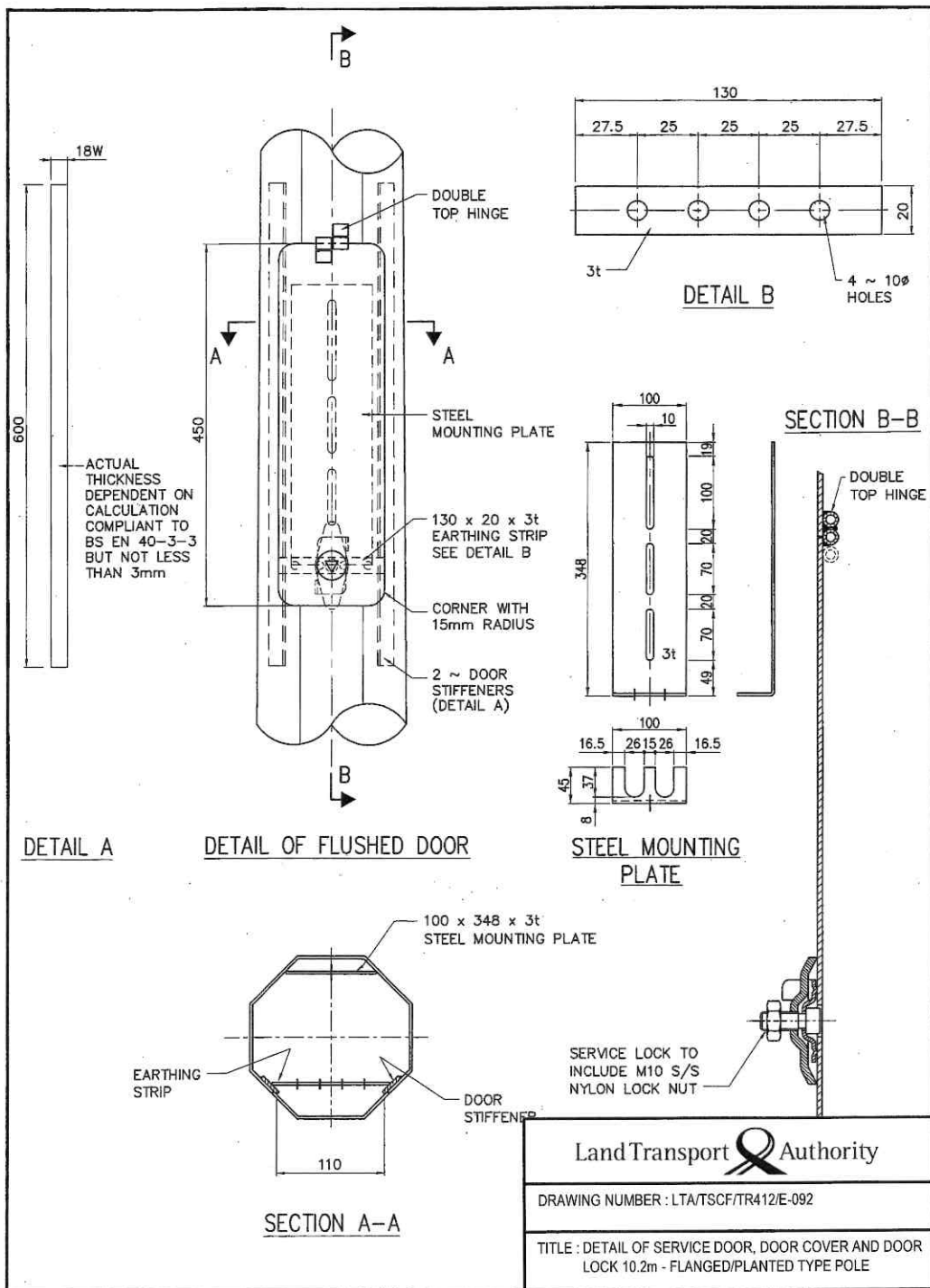
ELEVATION

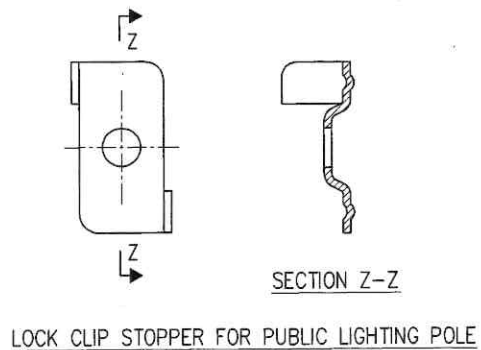
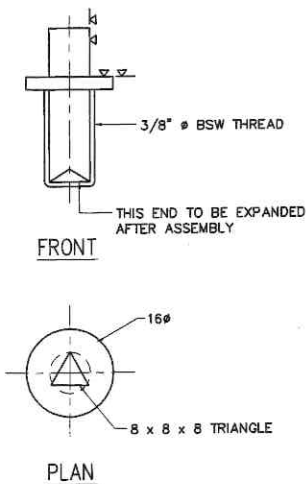
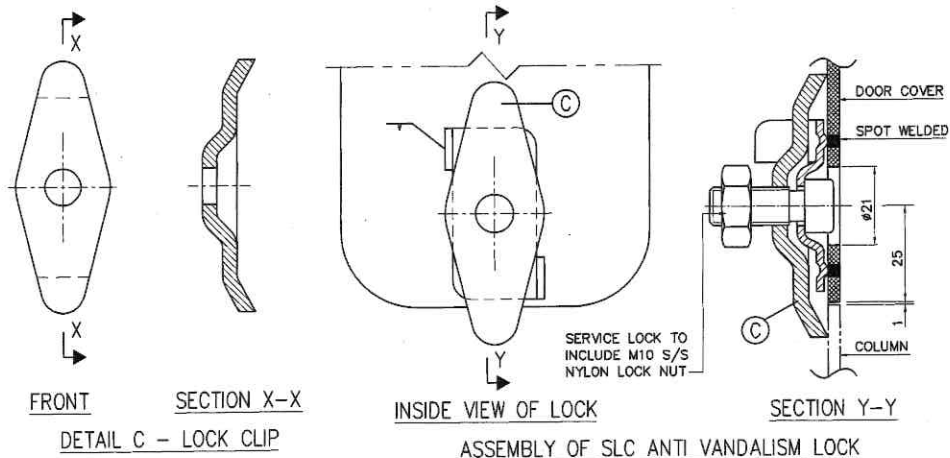


Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-089

TITLE : BASE PLATE 12.0m/13.0m - PLANTED TYPE POLE

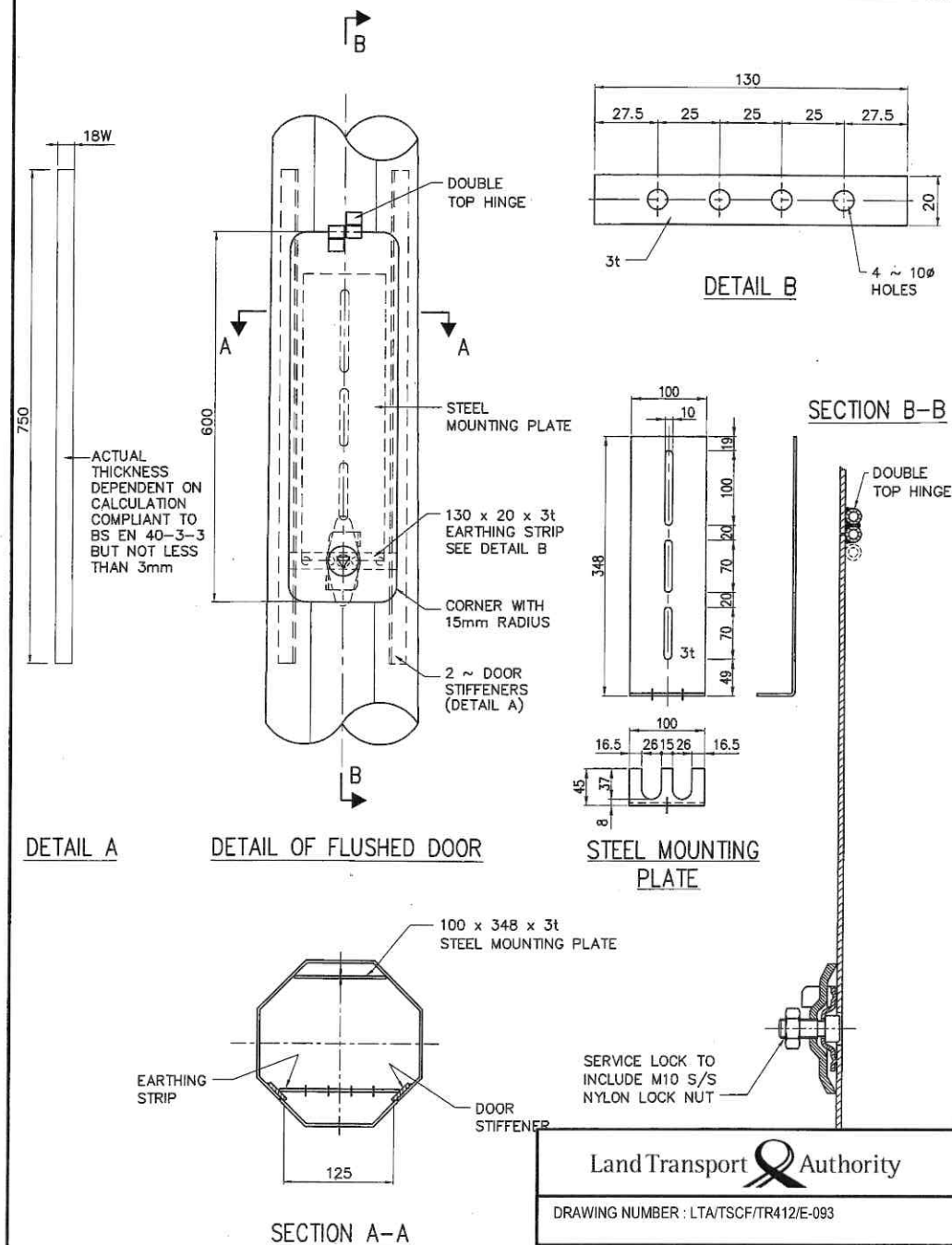




Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-094

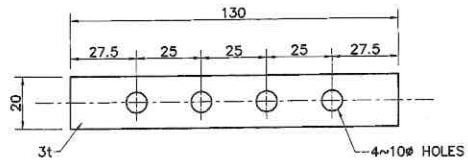
TITLE : SERVICE LOCK FOR LIGHTING POLE
2.5m/3.0m/3.5m/6.0m/8.5m/10.2m/12.0m/13.0m -
FLANGED/PLANTED TYPE POLE



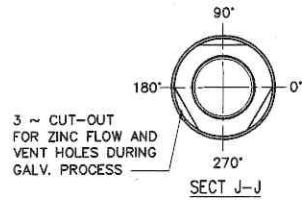
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-093

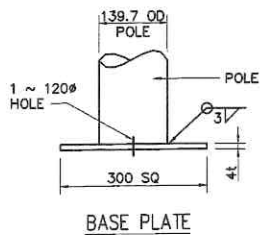
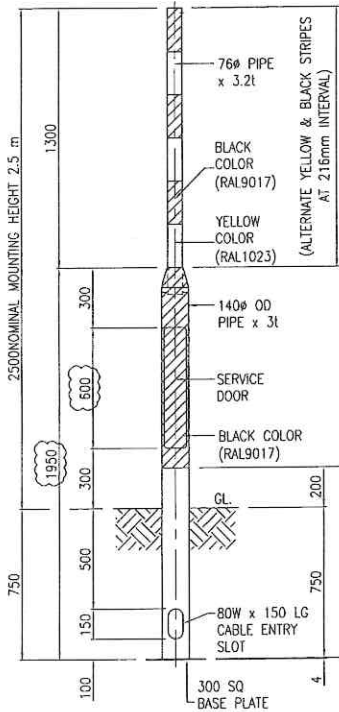
TITLE : DETAIL OF SERVICE DOOR, DOOR COVER AND DOOR
LOCK 12.0m/13.0m - FLANGED/PLANTED TYPE POLE



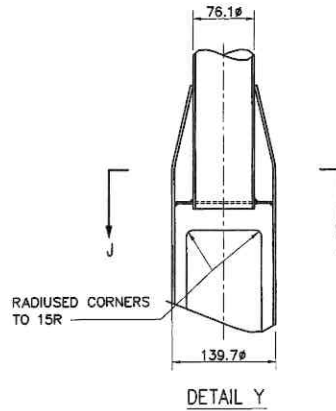
EARTHING STRIP



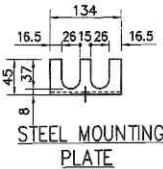
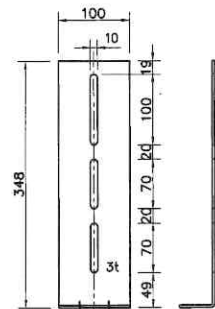
SECT J-J



BASE PLATE



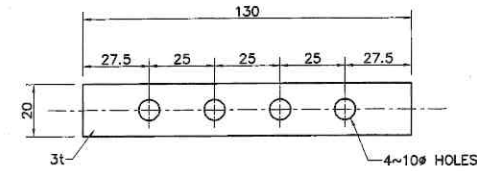
DETAIL Y



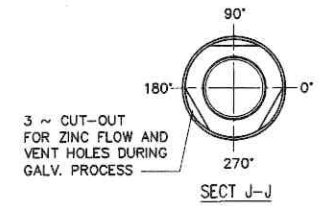
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-096

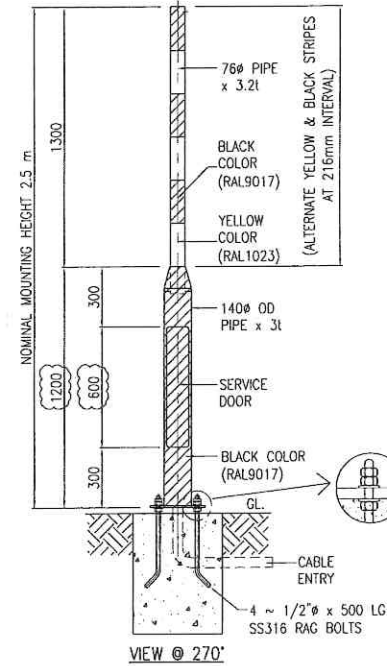
TITLE : 2.5m FLASHING BEACON POLE (PLANTED TYPE)



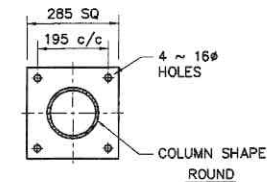
EARTHING STRIP



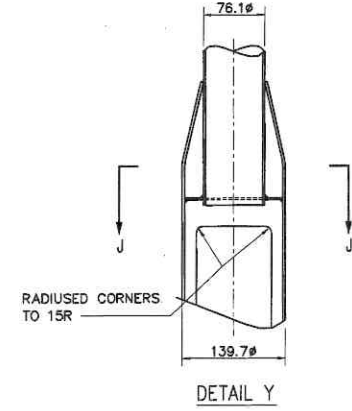
SECT J-J



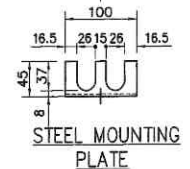
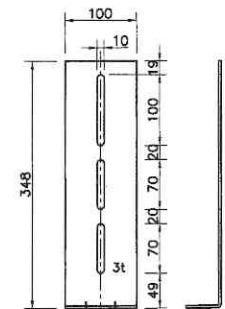
VIEW @ 270°



BASE FLANGE



DETAIL Y



Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-095

TITLE : 2.5m FLASHING BEACON POLE (FLANGED TYPE)

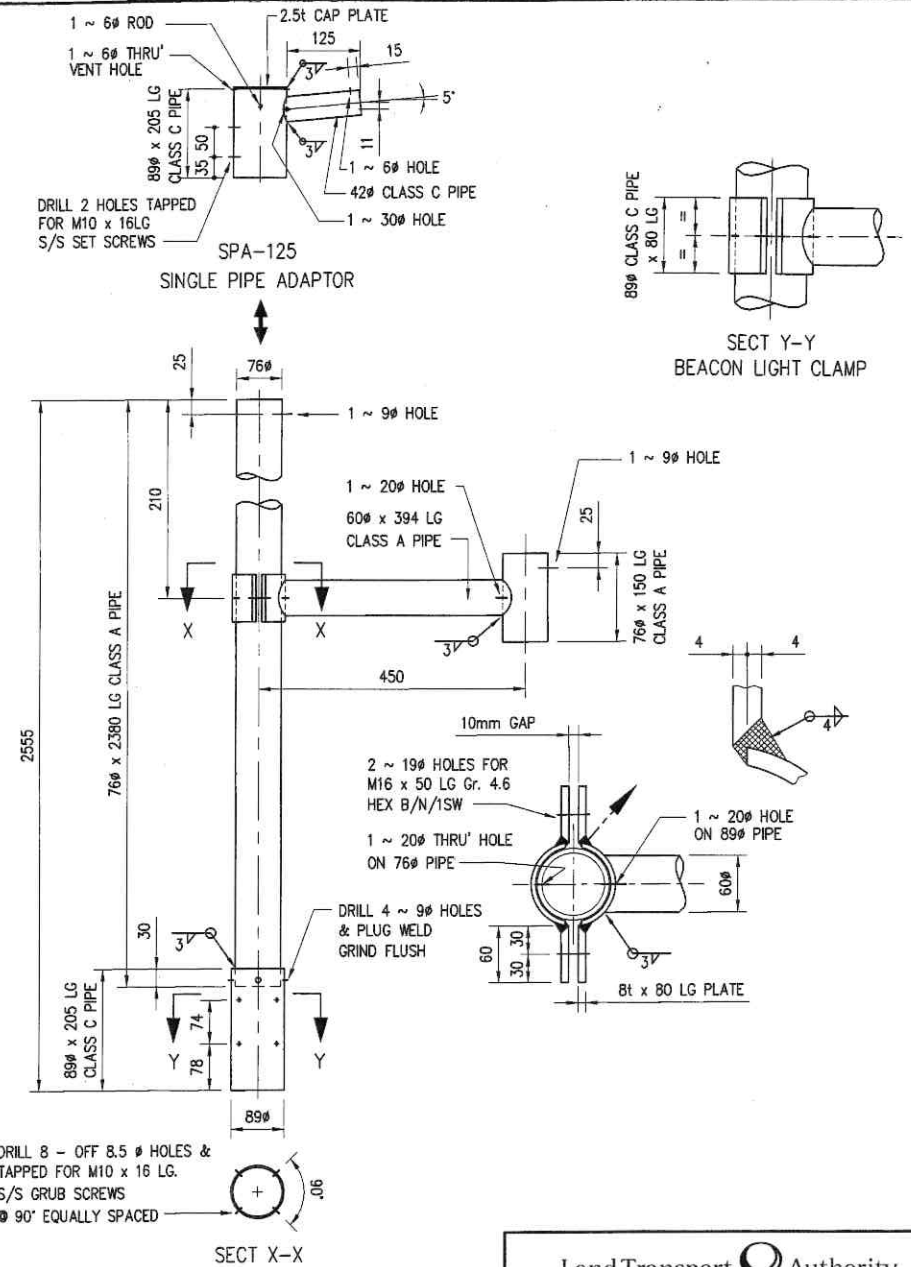
SECTION A-A

BASE FLANGE

Land Transport  Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-098

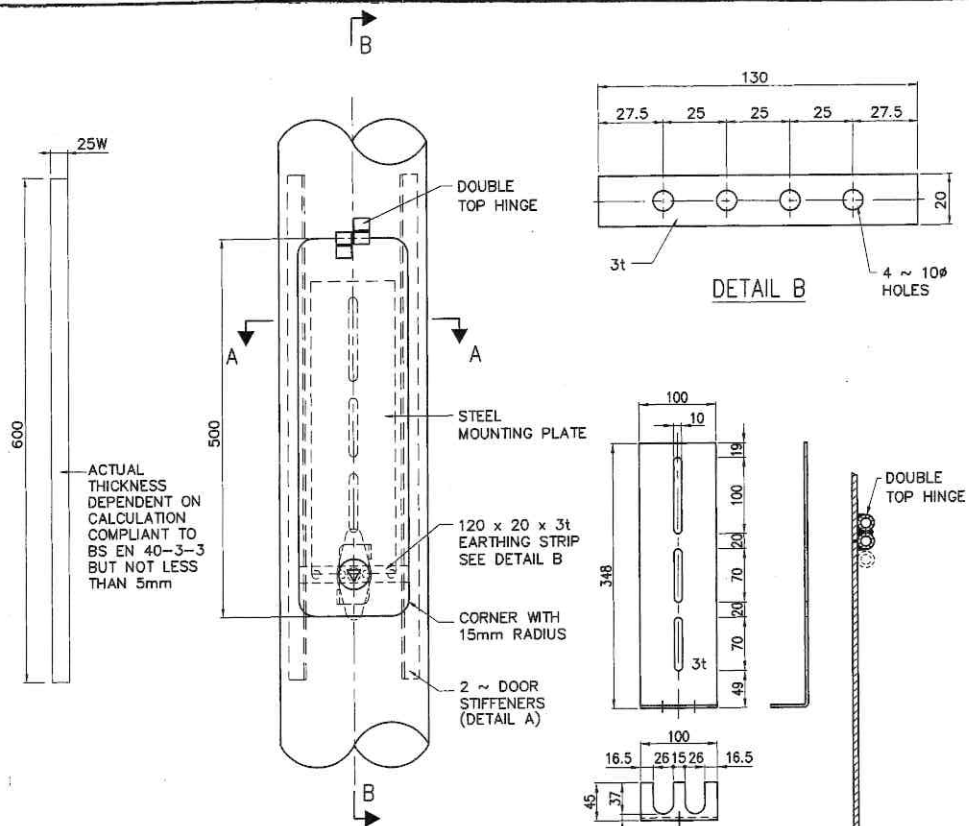
TITLE : BASE FLANGE
2.5m - FLANGED TYPE ZEBRA POLE



Land Transport  Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-097

TITLE : 2.555m EXTENSION POLE



DETAIL A

DETAIL OF FLUSHED DOOR

STEEL MOUNTING PLATE

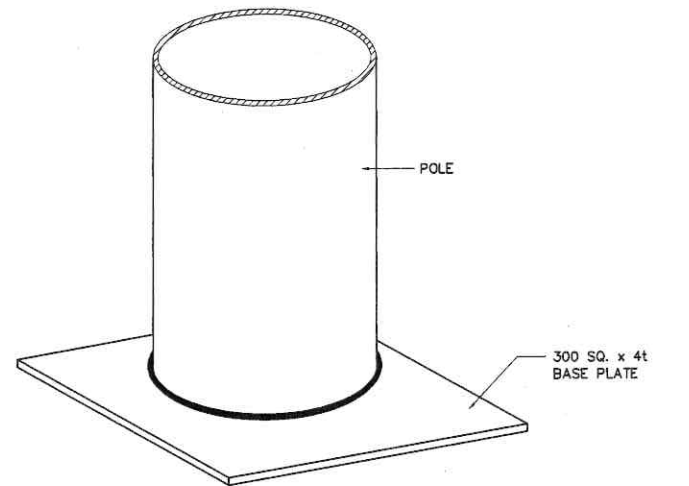
SECTION B-B

SECTION A-A

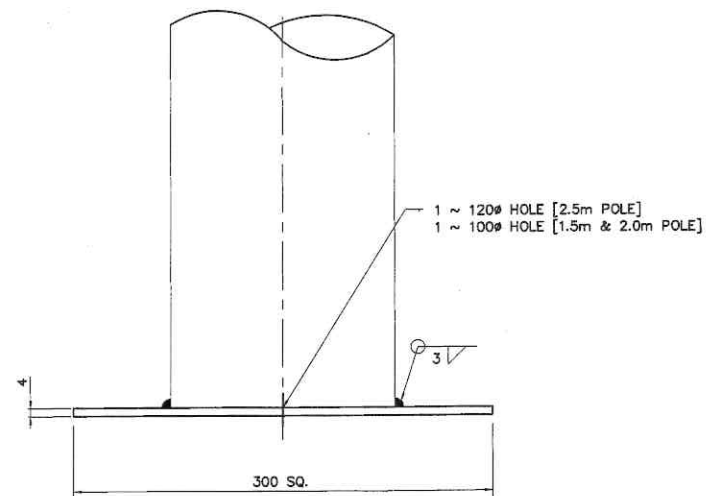
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-100

TITLE : DETAIL OF SERVICE DOOR DOOR COVER AND DOOR LOCK 2.5m - FLANGED/PLANTED ZEBRA POLE



ISOMETRIC VIEW

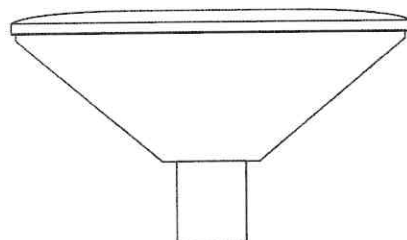
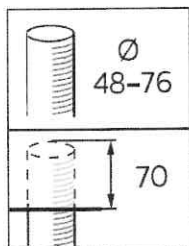


ELEVATION

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-099

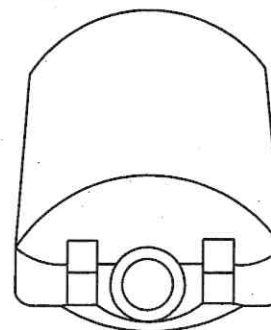
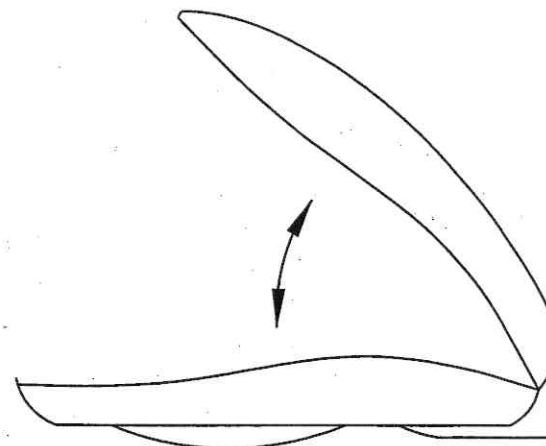
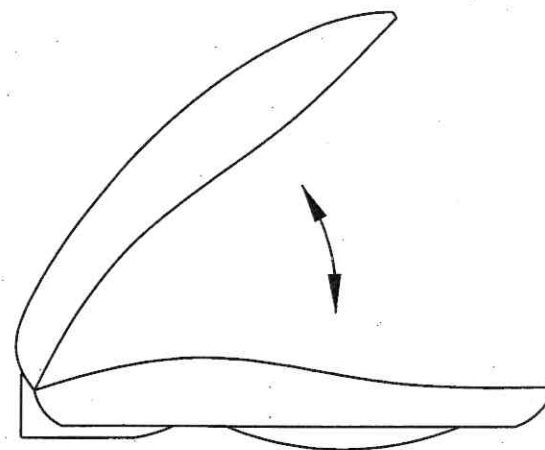
TITLE : BASE PLATE
2.5m - PLANTED TYPE ZEBRA POLE



Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-102

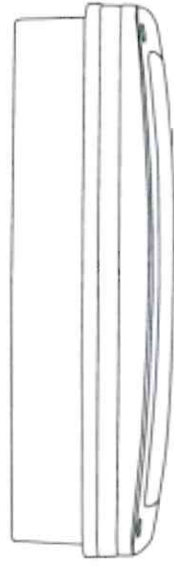
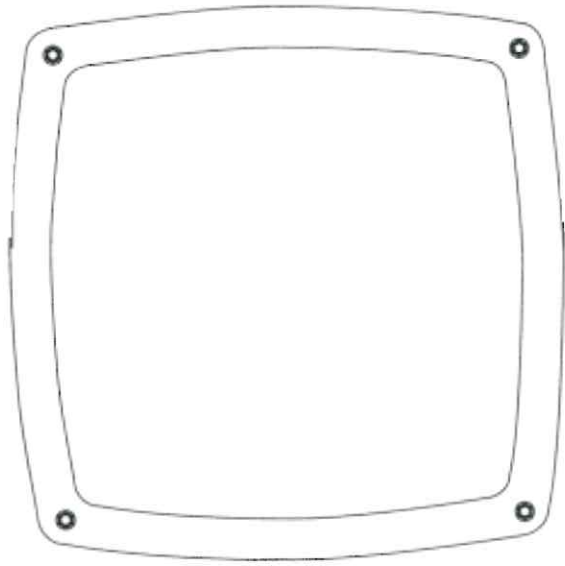
TITLE : TYPICAL CONE LED LUMINAIRE



Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-101

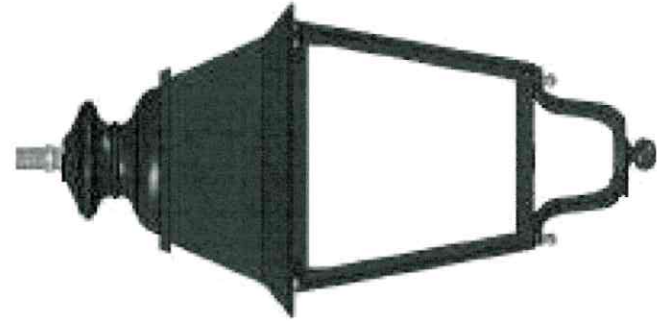
TITLE : IP66 LED LUMINAIRE IN TOP OPENING POSITION



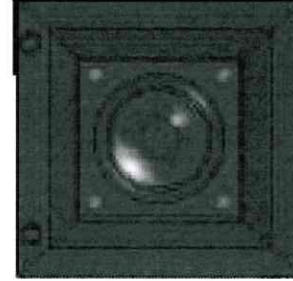
Land Transport & Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-104

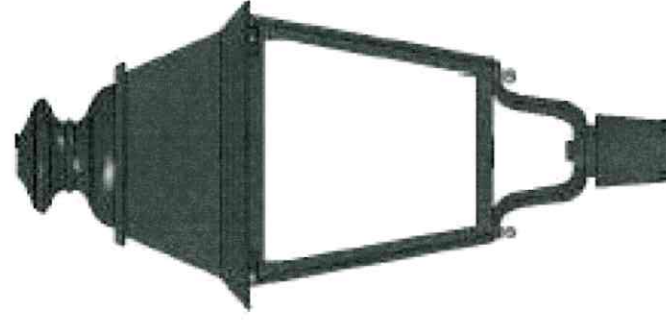
TITLE : TYPICAL WALL MOUNTED LED LUMINAIRE



Chinatown



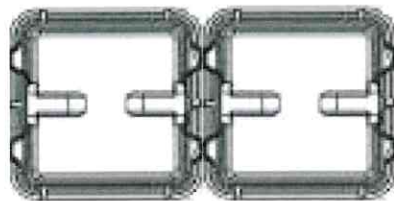
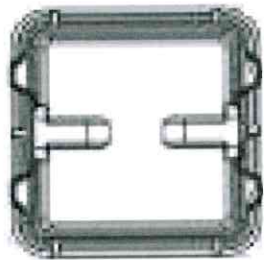
Boat Quay



Land Transport & Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-103A

TITLE : TYPICAL DECORATIVE LED LUMINAIRE #1 - CENTRAL ZONE ONLY



Based Light Fitting



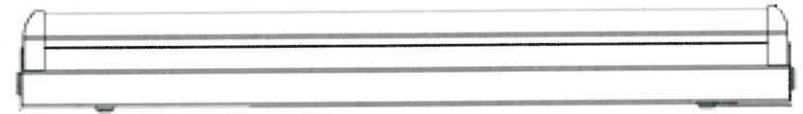
Reinforced Light Fitting



Land Transport & Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-106

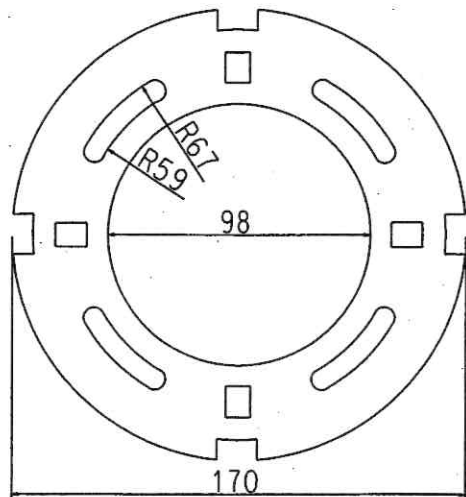
TITLE : TYPICAL VEHICULAR UNDERPASS LED LUMINAIRE



Land Transport & Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-105

TITLE : TYPICAL LED LUMINAIRE WITH / WITHOUT BATTERY
PACK

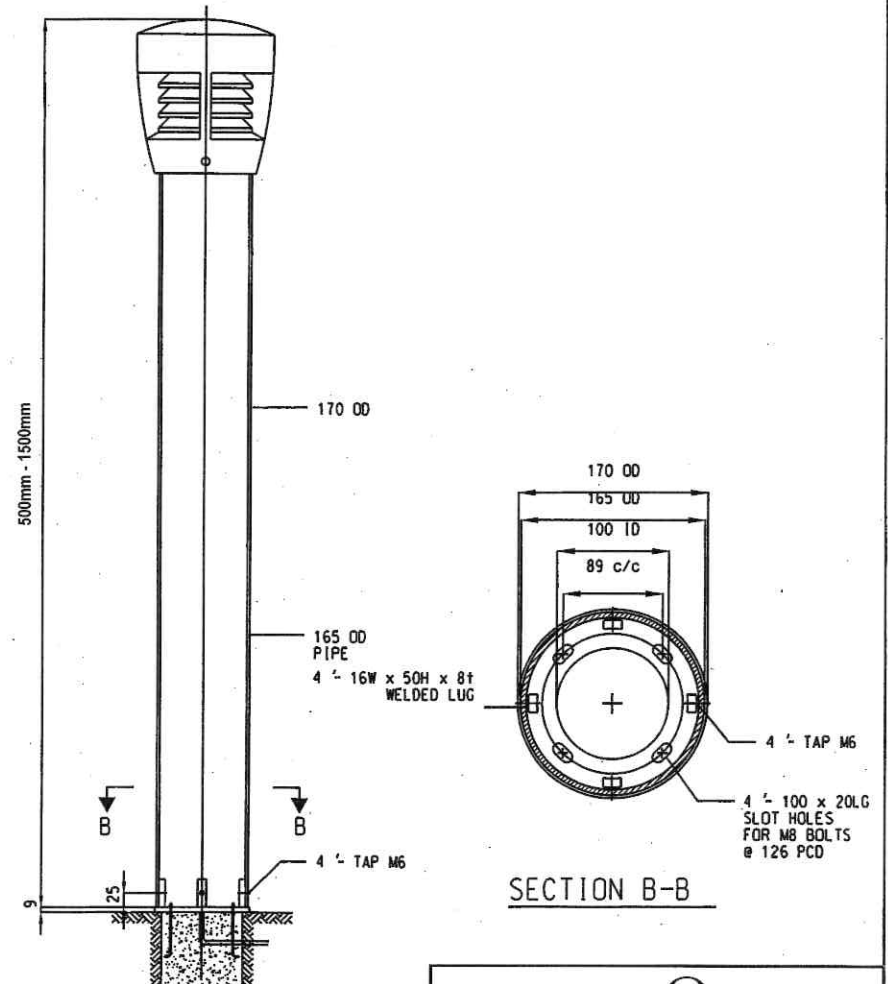


Bollard Baseplate Dimensions

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-108

TITLE : TYPICAL BOLLARD BASE PLATE



SECTION B-B

Land Transport Authority

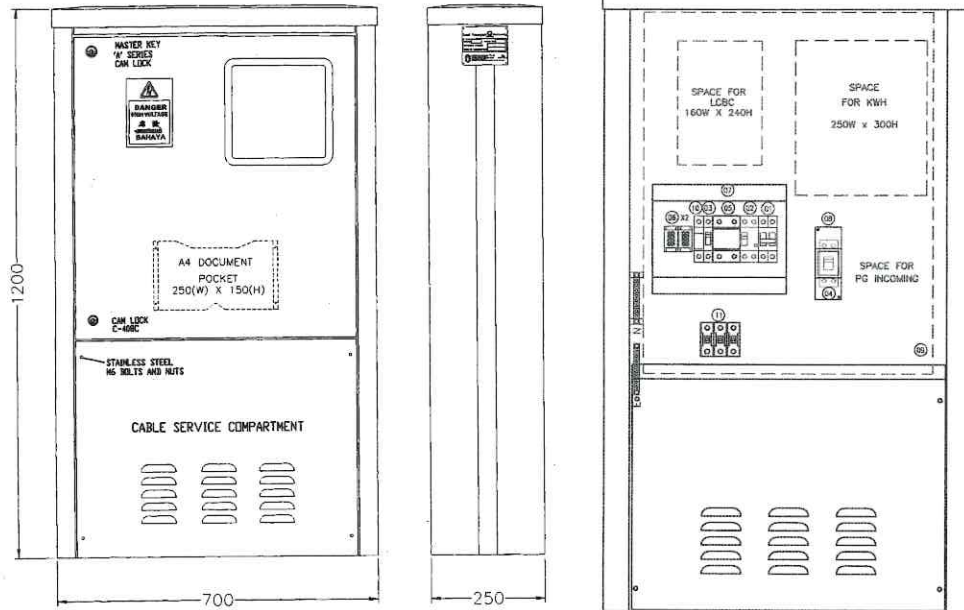
DRAWING NUMBER : LTA/TSCF/TR412/E-107

TITLE : TYPICAL BOLLARD LIGHTING

FRONT VIEW

L & R SIDE VIEW

INTERNAL FRONT VIEW

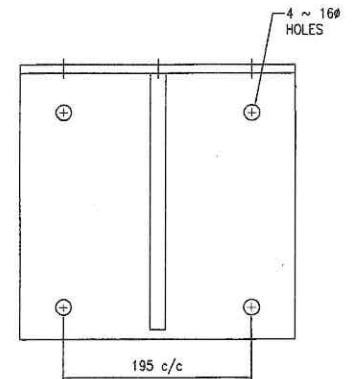
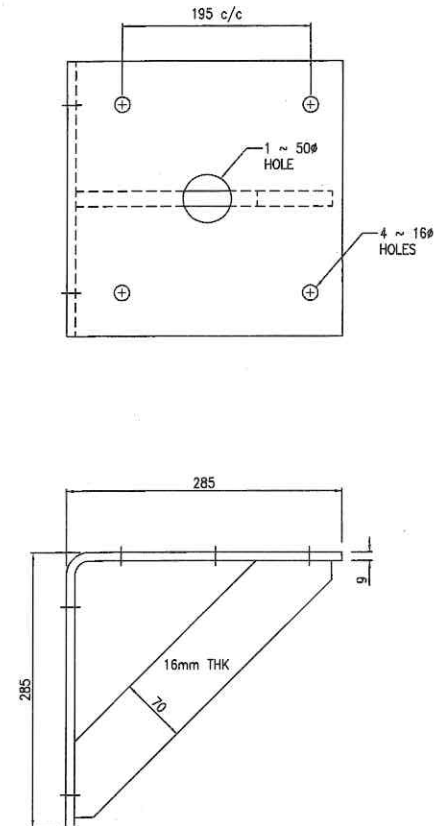


ITEM NO.	DESCRIPTION	QTY.
1	MCB 2P 32A (10KA) B CURVE	01
2	RCCB 40A 2P 100mA	01
3	ISOLATOR 25A 1P	01
4	ISOLATOR 32A 2P	01
5	CONTACTOR 40A 2P	01
6	1 IN 4 OUT TERMINAL BLOCK	02
7	12 WAYS PVC ENCLOSURE	01
08	2 WAYS PVC ENCLOSURE	01
09	TEAKWOOD 550 (W) X 700 (H) X 25(TH)	01
10	FUSE CARRIER C/W 2A FUSE	01
11	FUSE CARRIER C/W 20A FUSE (500V)	03

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-110

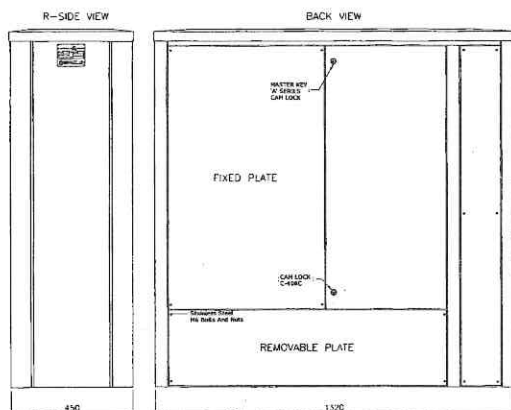
TITLE : TYPICAL LIGHTING CONTROL BOX TYPE A



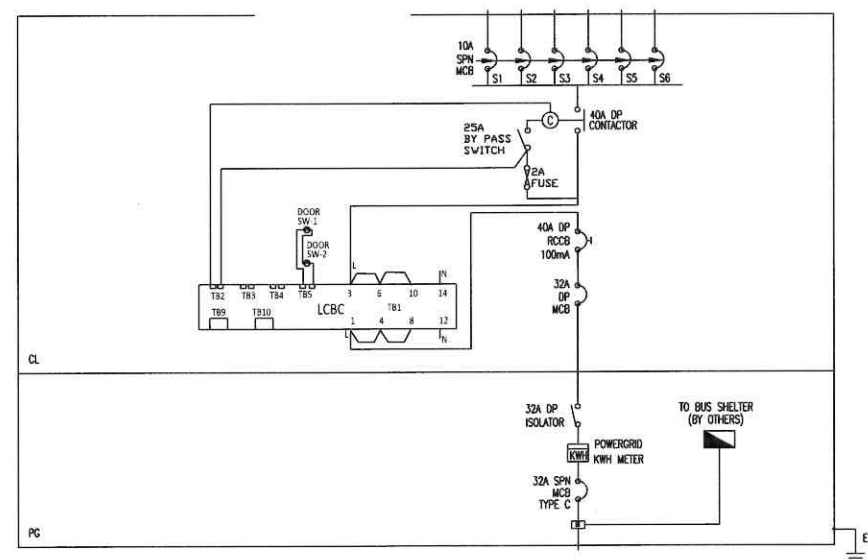
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-109

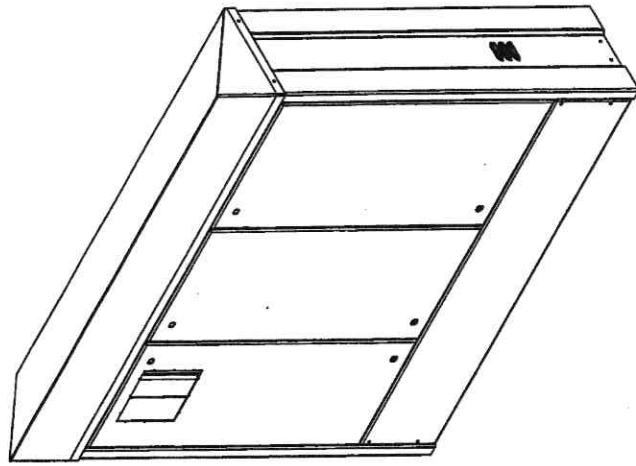
TITLE : TYPICAL BOLLARD SUPPORTING BRACKET



TITLE : TYPICAL LIGHTING CONTROL BOX TYPE B (1)



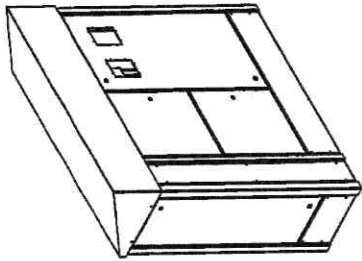
TITLE : TYPICAL SINGLE LINE DIAGRAM FOR LIGHTING
CONTROL BOX TYPE A



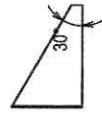
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-118

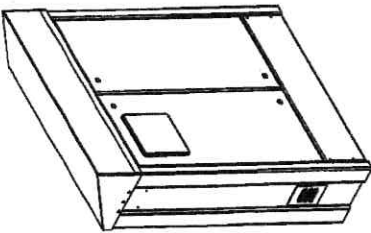
TITLE : TYPICAL PITCHED ROOF DESIGN FOR CONTROL BOX



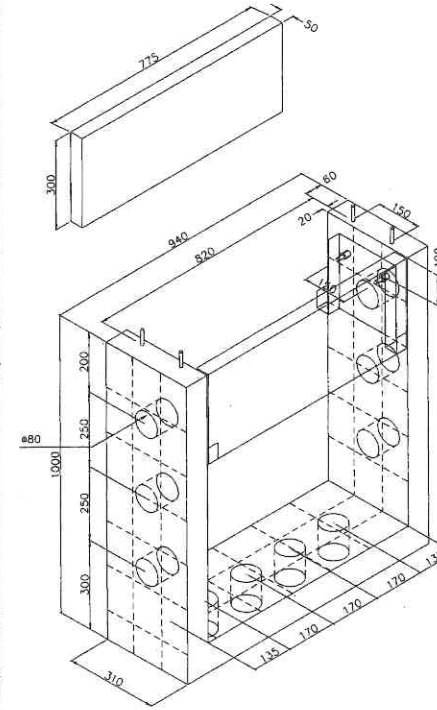
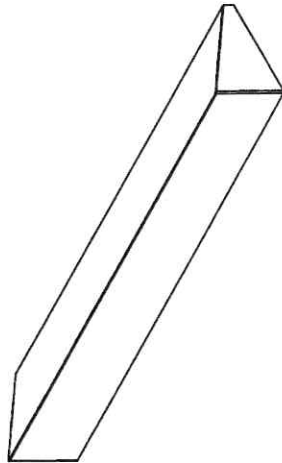
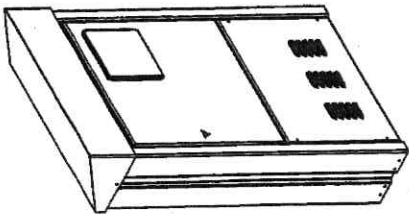
ROOF DETAIL



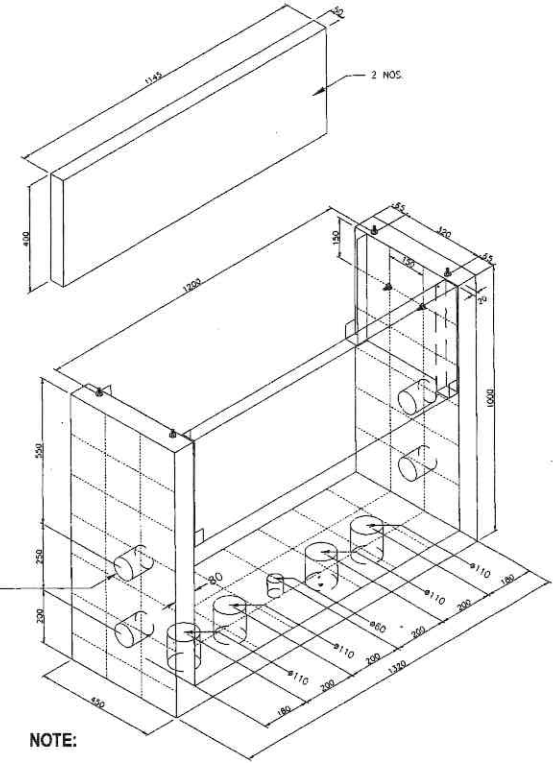
SIDE VIEW



ROOF LAYOUT

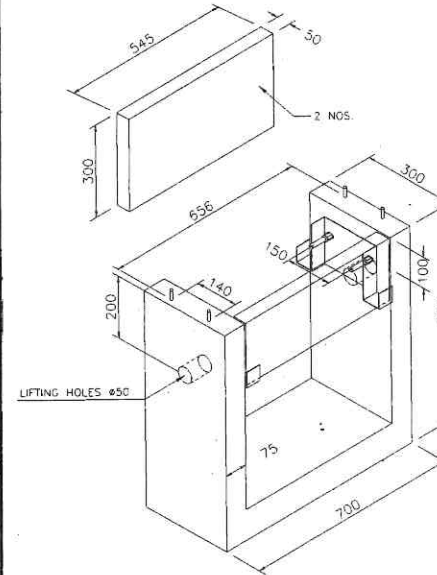


TOLERANCE ± 1



NOTE:

1. CONCRETE GRADE 25A WITH BRC NO. A6 AT BASE & SIDES.
2. THE "U" SHAPED CONCRETE CHANNEL IS TO BE REINFORCED WITH STEEL BARS.
3. THE 10MM DIAMETER STUDS ARE TO BE MAKE OF STAINLESS STEEL AND SHALL BE COMPLETE WITH NUTS AND WASHERS.
4. THE SURFACE ON WHICH THE CONTROL BOX IS MOUNTED MUST BE SMOOTH AND FLAT.

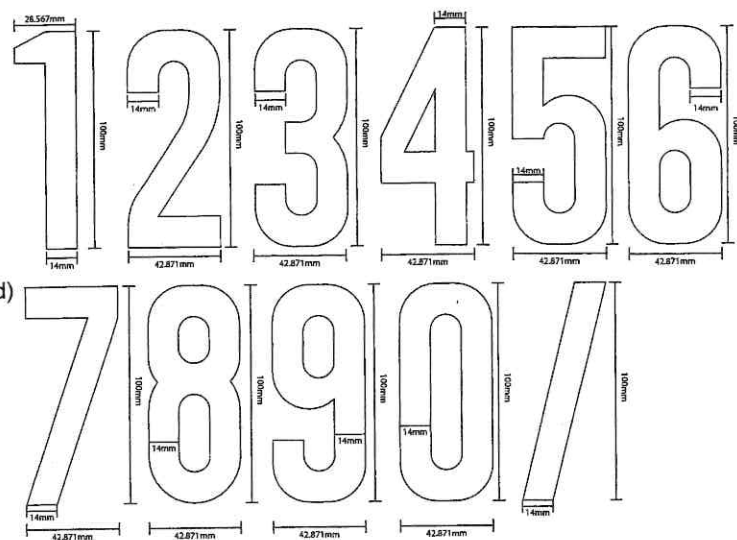


Land Transport Authority

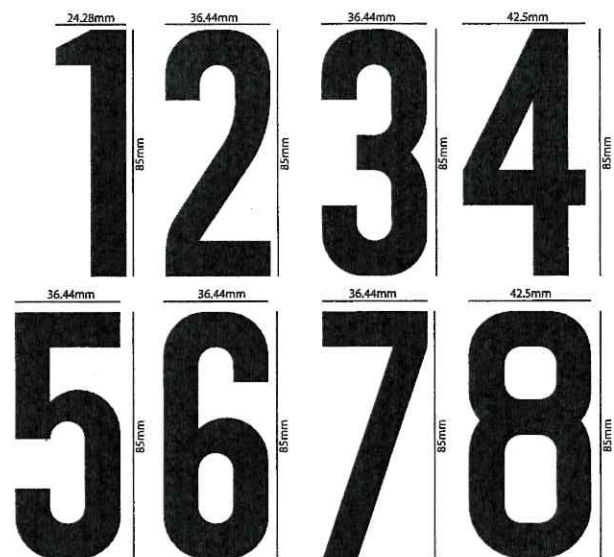
DRAWING NUMBER : LTA/TSCF/TR412/E-117

TITLE : TYPICAL CONTROL BOX CONCRETE BASE

Type A
(without background)



Type B
(without background)

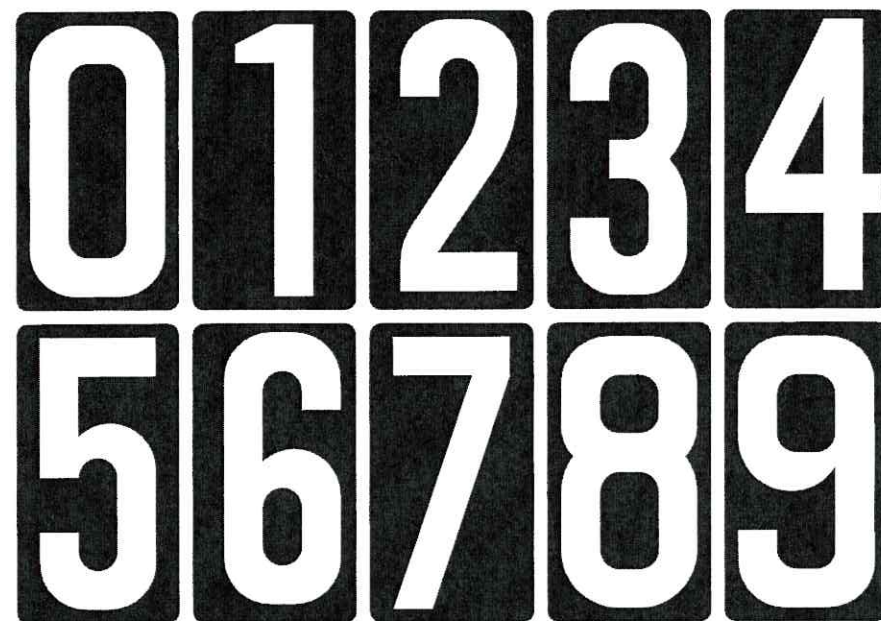


Land Transport  Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-120

TITLE : POLE ID - TYPE A/TYPE B (WITHOUT BACKGROUND)

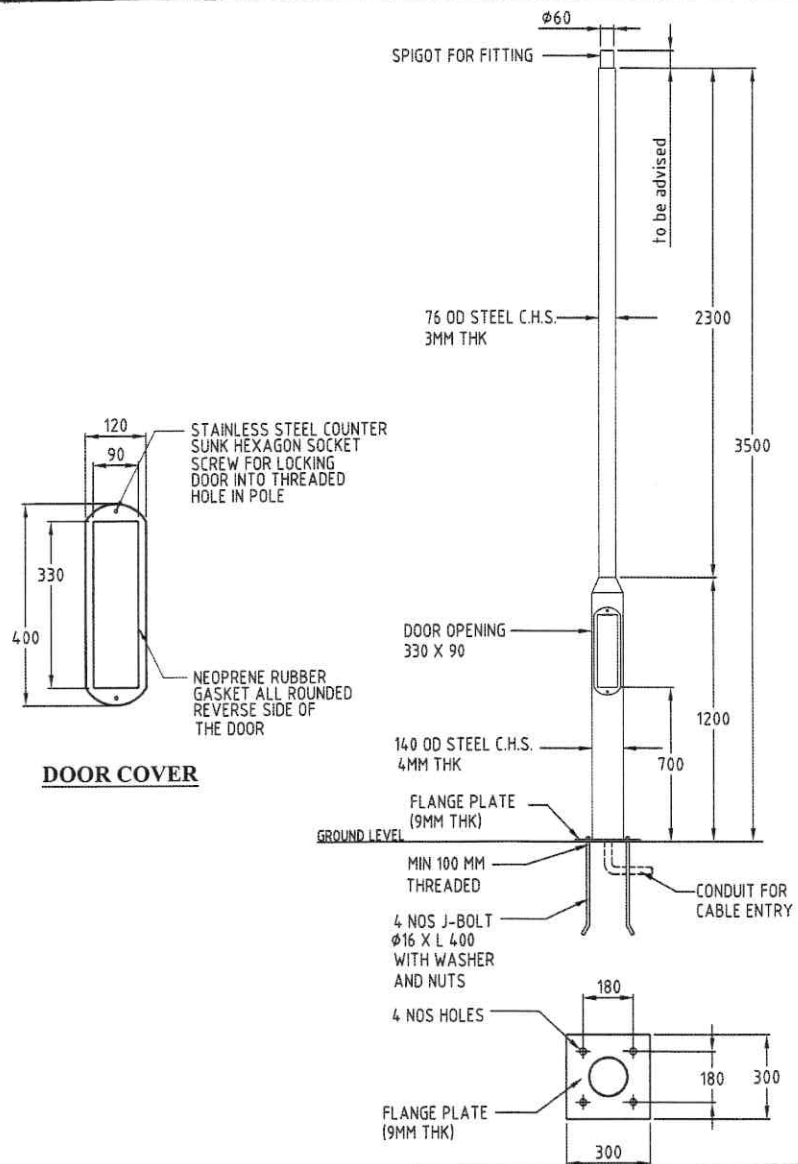
Type A / Type B
(with background)



Land Transport  Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-119

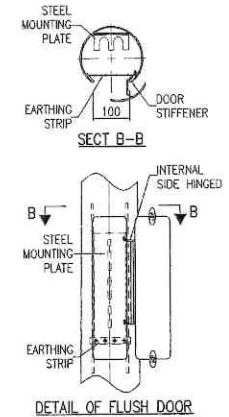
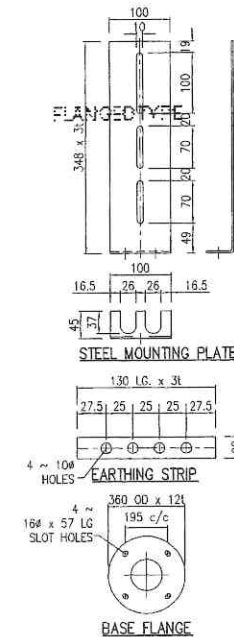
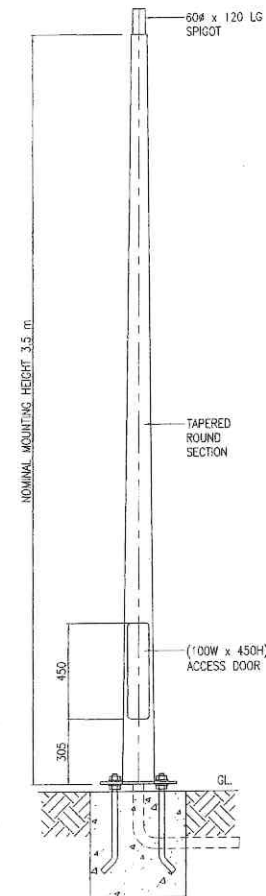
TITLE : POLE ID - TYPE A/TYPE B (WITH BACKGROUND)



Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-124

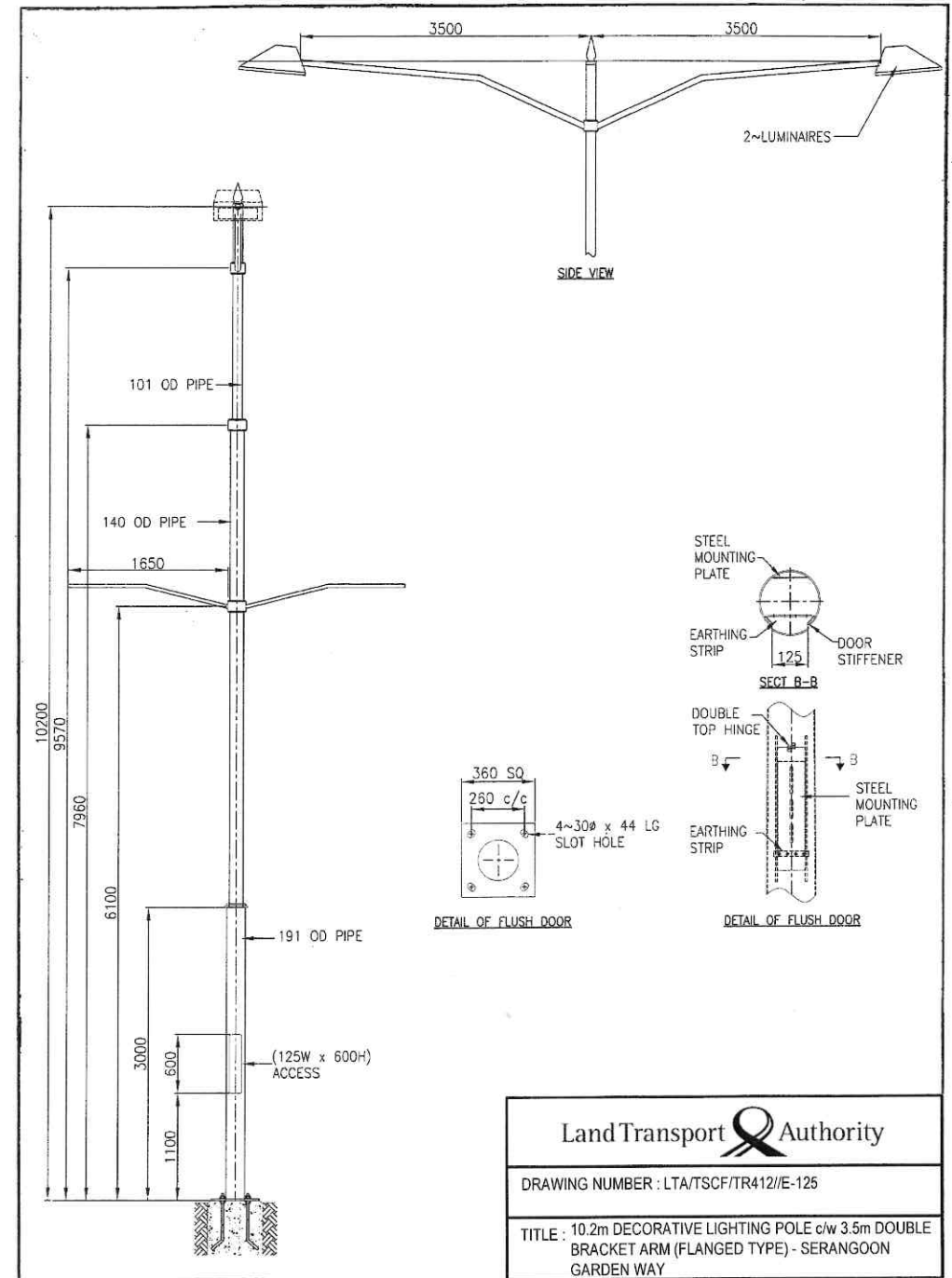
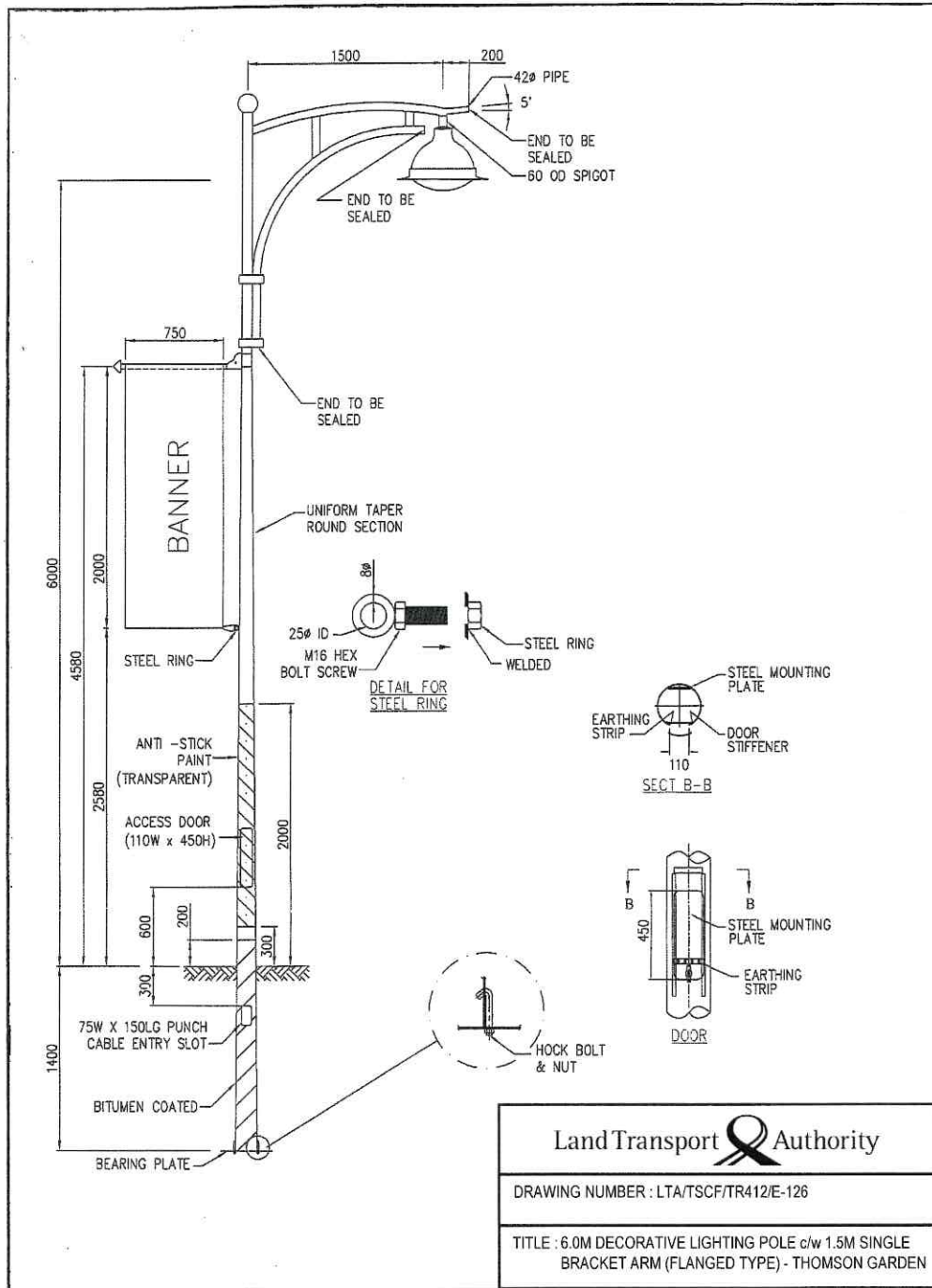
TITLE : 3.5m CROSS STREET DECORATIVE POLE c/w ADAPTER
(ROUNDED, FLANGED TYPE)

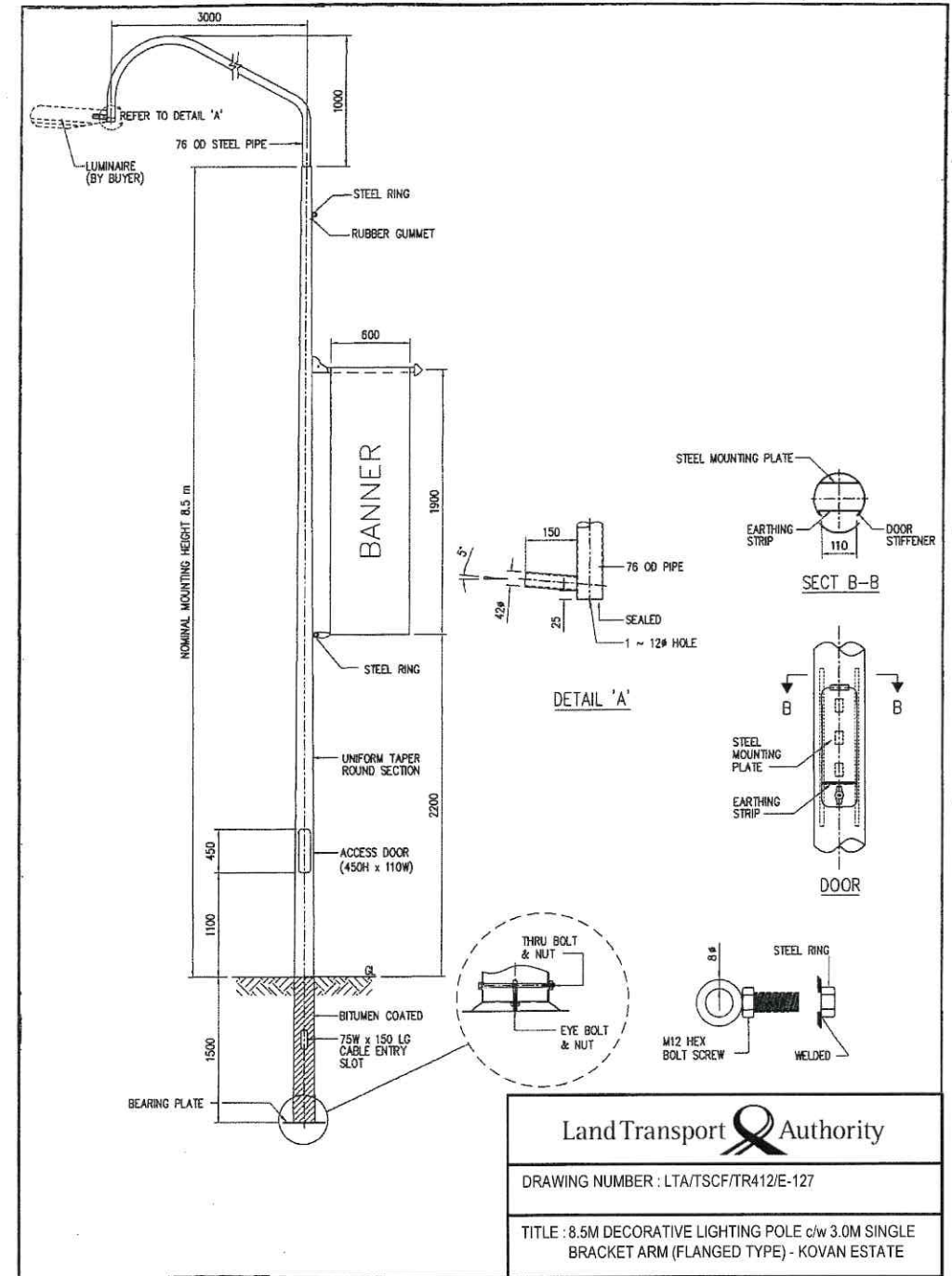
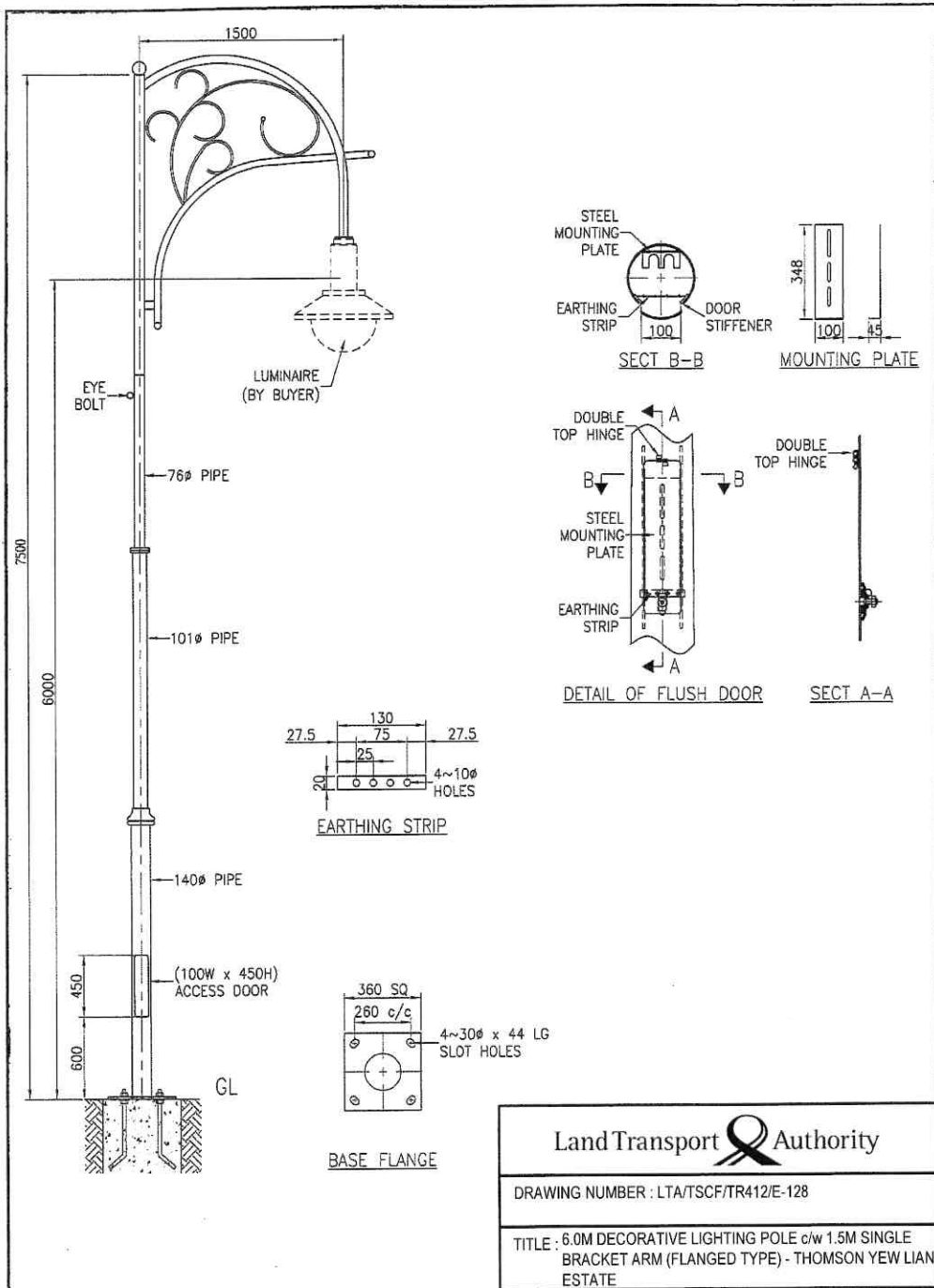


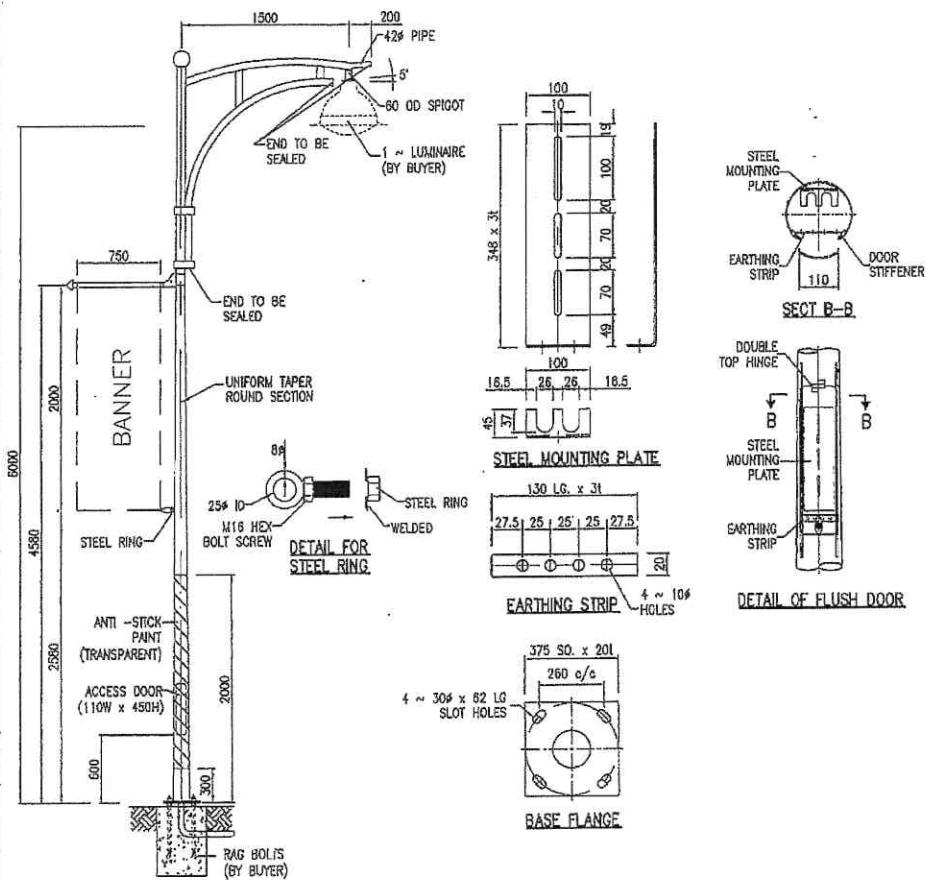
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-123

TITLE : 3.5m MARINA BAY DECORATIVE POLE c/w ADAPTER
(TAPERED ROUND, FLANGED TYPE)



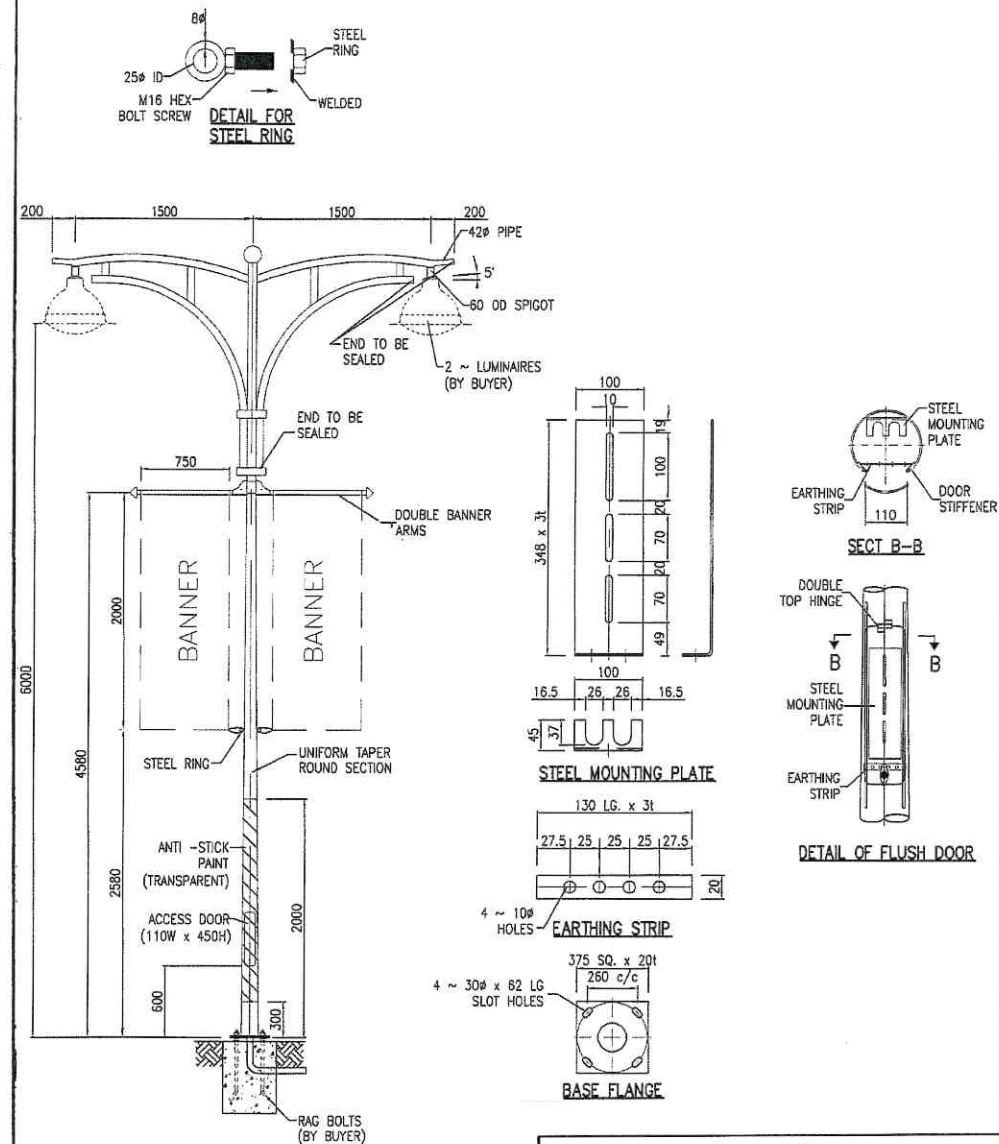




Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-130

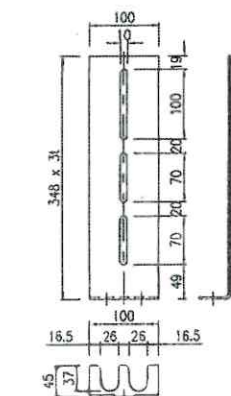
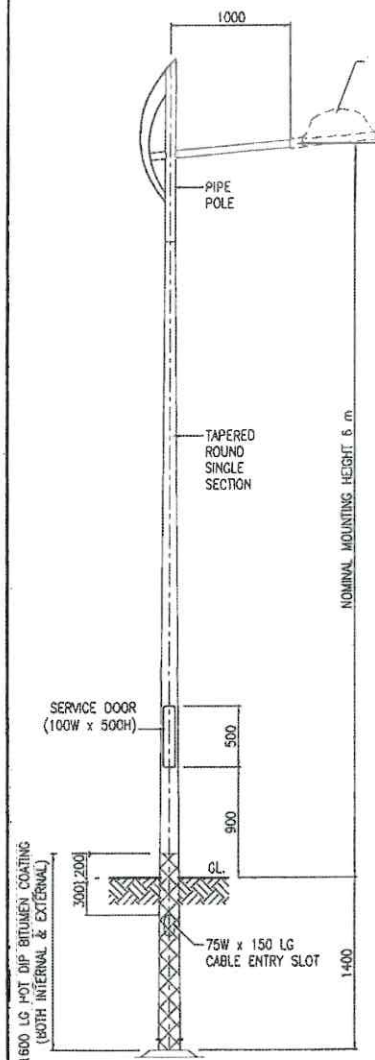
TITLE : 6.0M DECORATIVE LIGHTING POLE c/w 1.5M SINGLE BRACKET ARM (FLANGED TYPE) - THOMSON RIDGE ESTATE (2)



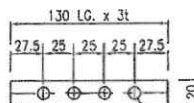
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-129

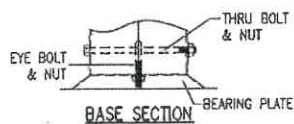
TITLE : 6.0M DECORATIVE LIGHTING POLE c/w 1.5M DOUBLE BRACKET ARM (FLANGED TYPE) - THOMSON RIDGE ESTATE (1)



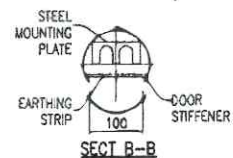
STEEL MOUNTING PLATE



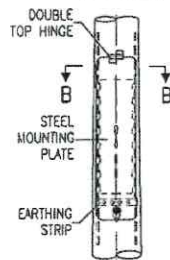
EARTHING STRIP



BASE SECTION



SECT B-B

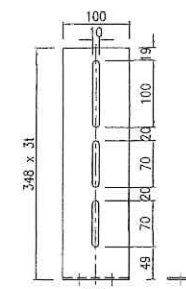
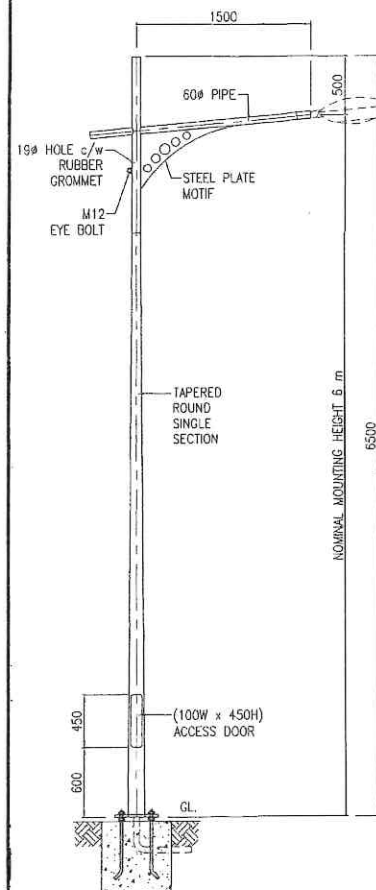


DETAIL OF FLUSH DOOR

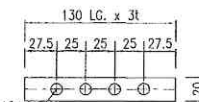
Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-132

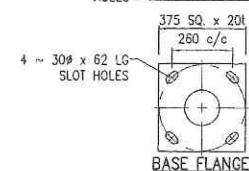
TITLE : 6.0M DECORATIVE LIGHTING POLE c/w 1.0M SINGLE BRACKET ARM (PLANTED TYPE) - JALAN JURONG KECHIL



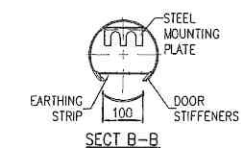
STEEL MOUNTING PLATE



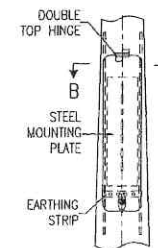
EARTHING STRIP



BASE FLANGE



SECT B-B



DETAIL OF FLUSH DOOR

Land Transport Authority

DRAWING NUMBER : LTA/TSCF/TR412/E-131

TITLE : 6.0M DECORATIVE LIGHTING POLE c/w 1.5M SINGLE BRACKET ARM (FLANGED TYPE) - JALAN BATU NILAM



Land Transport  Authority

DRAWING NUMBER : LTA/TSCF/TR412//E-133

TITLE : TYPICAL DECORATIVE LED LUMINAIRE #2 - NORTH
ZONE ONLY