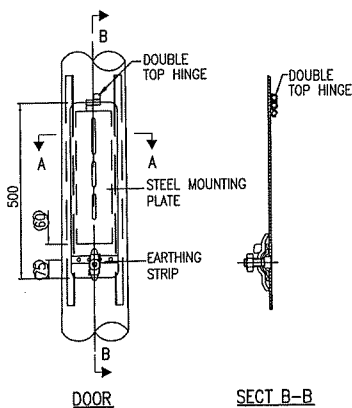
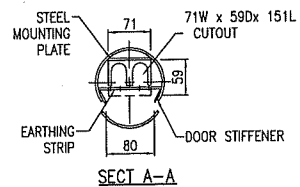
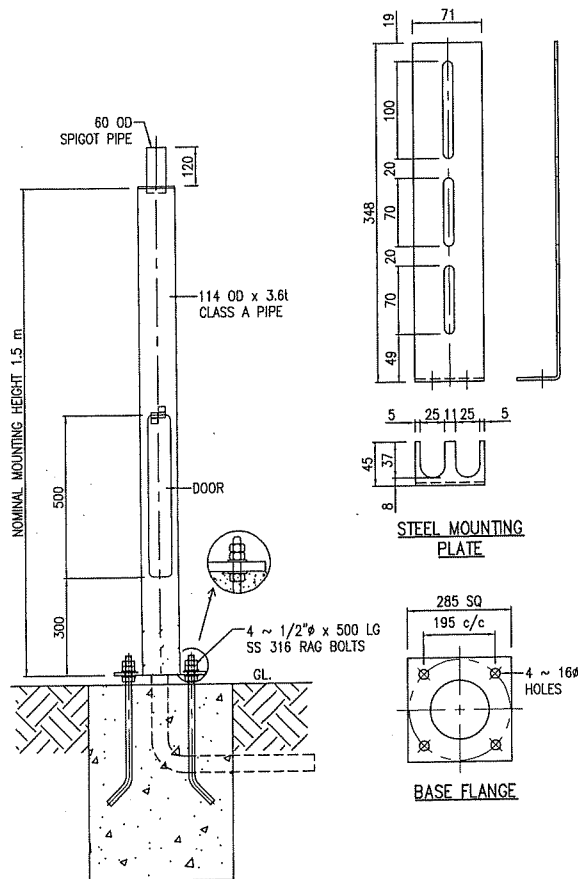
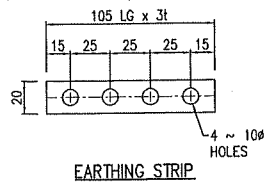
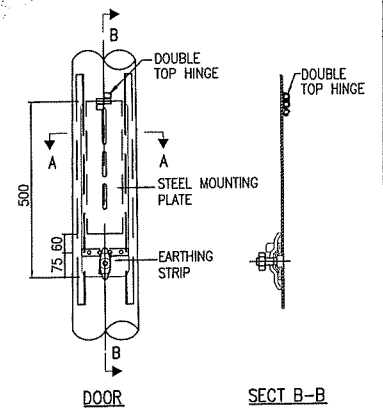
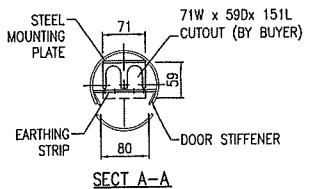
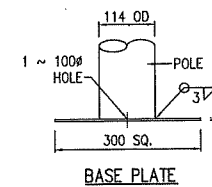
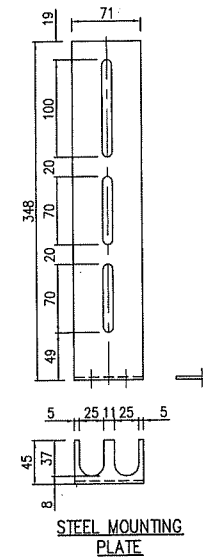
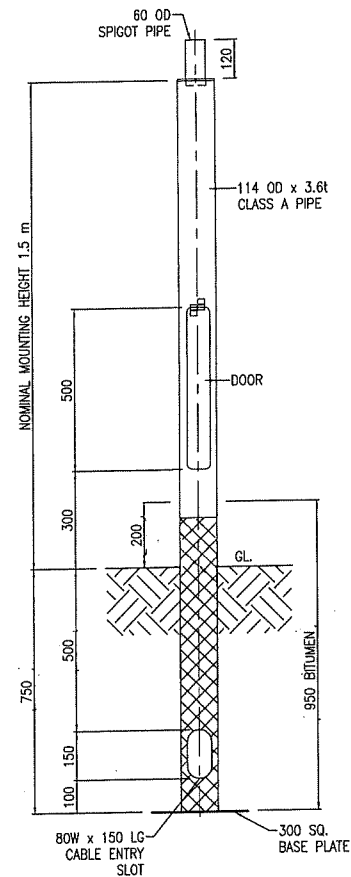
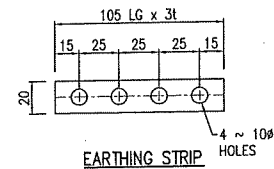




Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-001

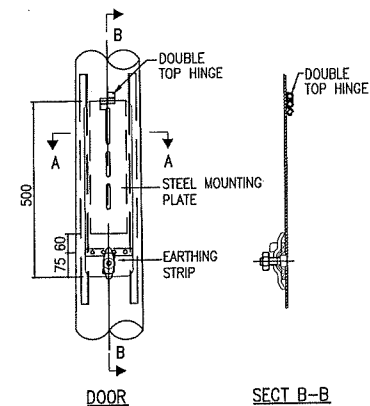
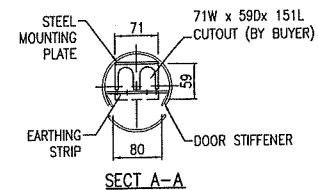
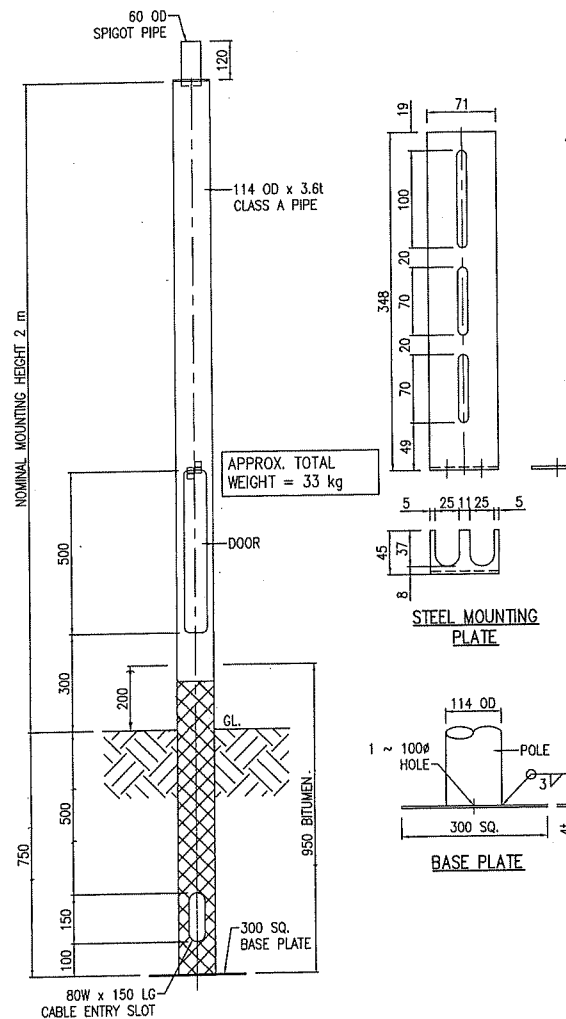
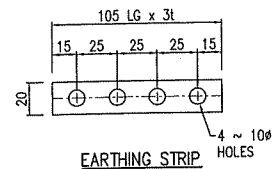
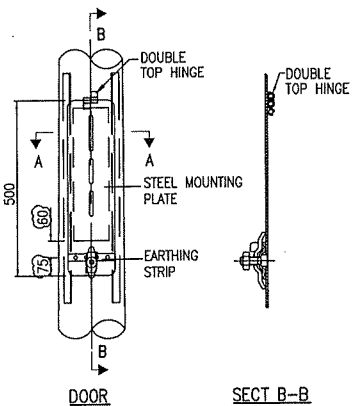
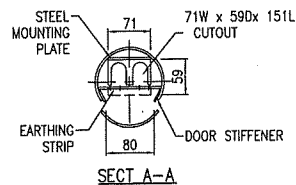
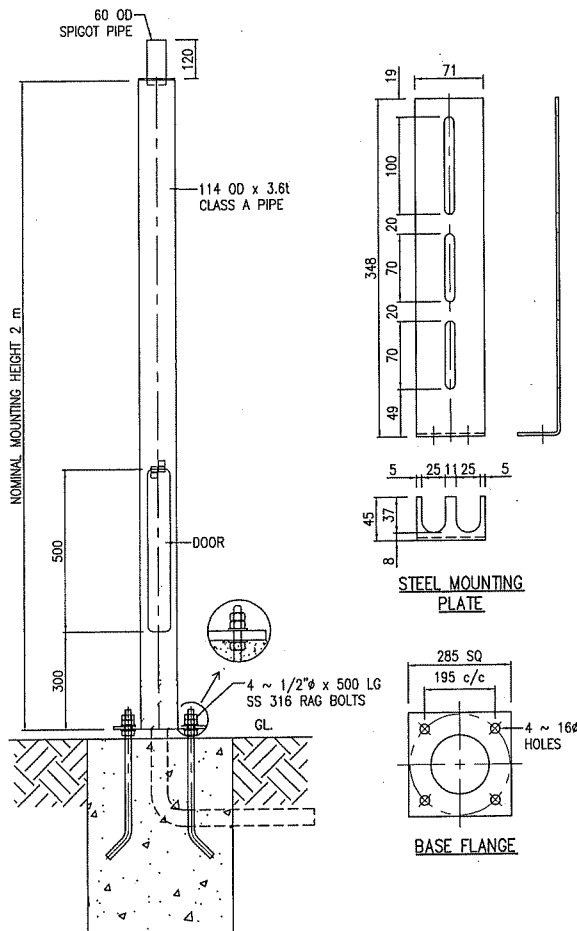
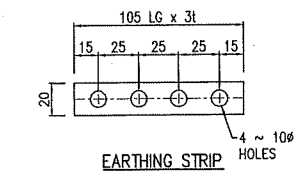
TITLE : 1.5m TUBULAR PIPE POLE
(FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-002

TITLE : 1.5m TUBULAR PIPE POLE
(PLANTED TYPE)



Land Transport Authority

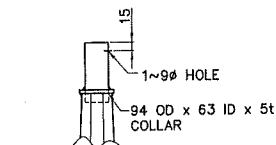
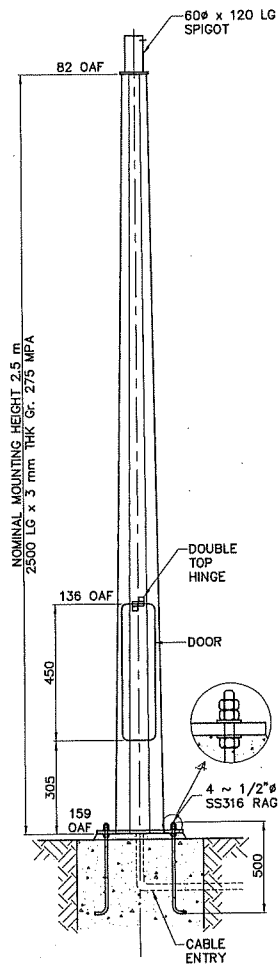
DRAWING NUMBER : LTA/CFSM/TR302/E-003

TITLE : 2.0m TUBULAR PIPE POLE
(FLANGED TYPE)

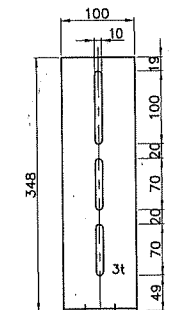
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-004

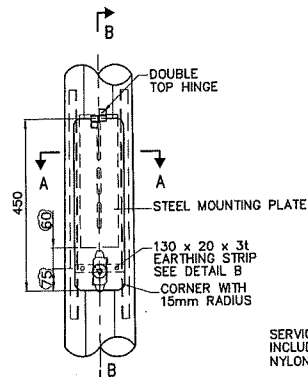
TITLE : 2.0m TUBULAR PIPE POLE
(PLANTED TYPE)



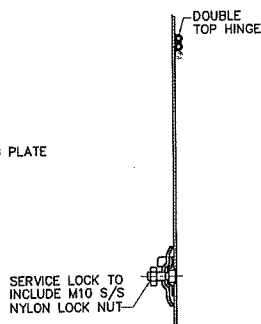
POLE TOP DETAILS



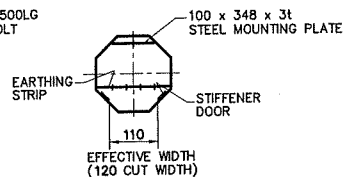
STEEL MOUNTING PLATE



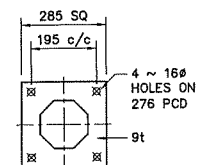
DETAIL OF FLUSHED DOOR



SECTION B-B



SECTION A-A

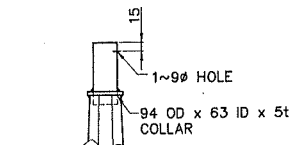
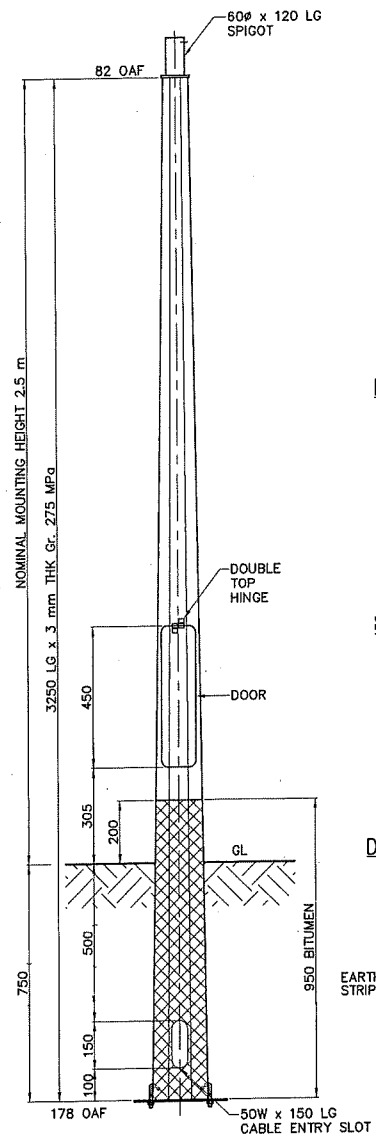


BASE FLANGE

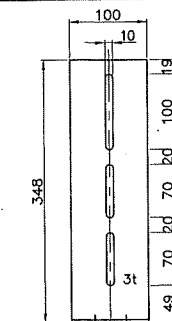
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-005

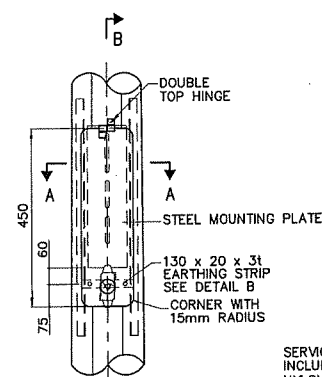
TITLE : 2.5m OCTAGONAL LIGHTING POLE
(FLANGED TYPE)



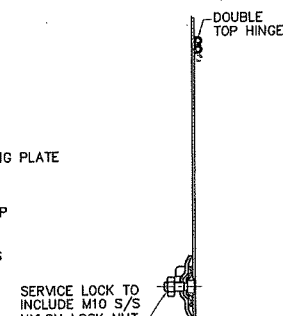
POLE TOP DETAILS



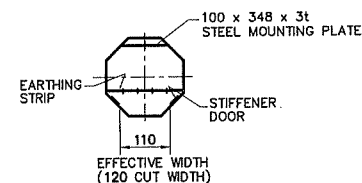
STEEL MOUNTING PLATE



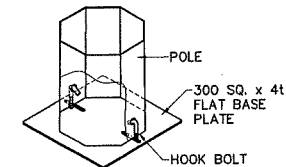
DETAIL OF FLUSHED DOOR



SECTION B-B



SECTION A-A

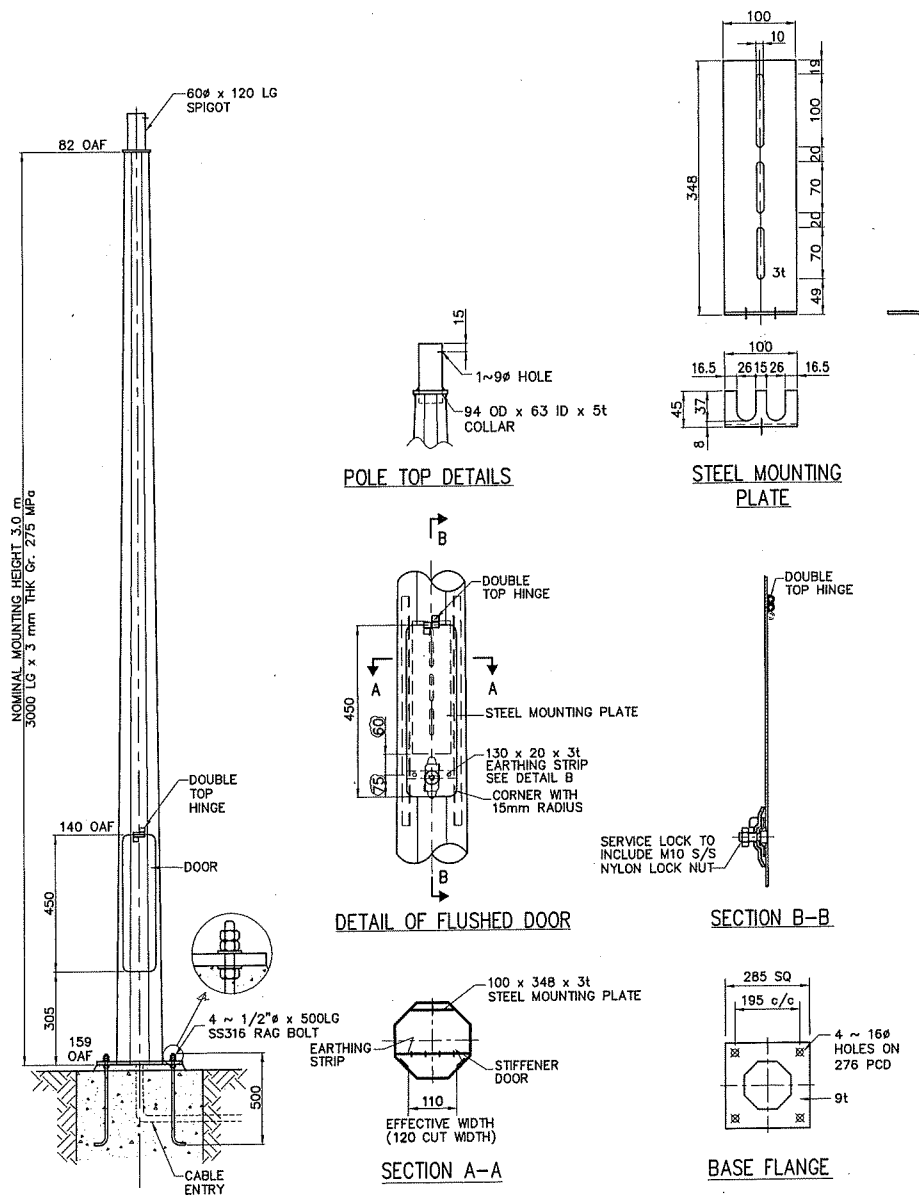


ISOMETRIC VIEW

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-006

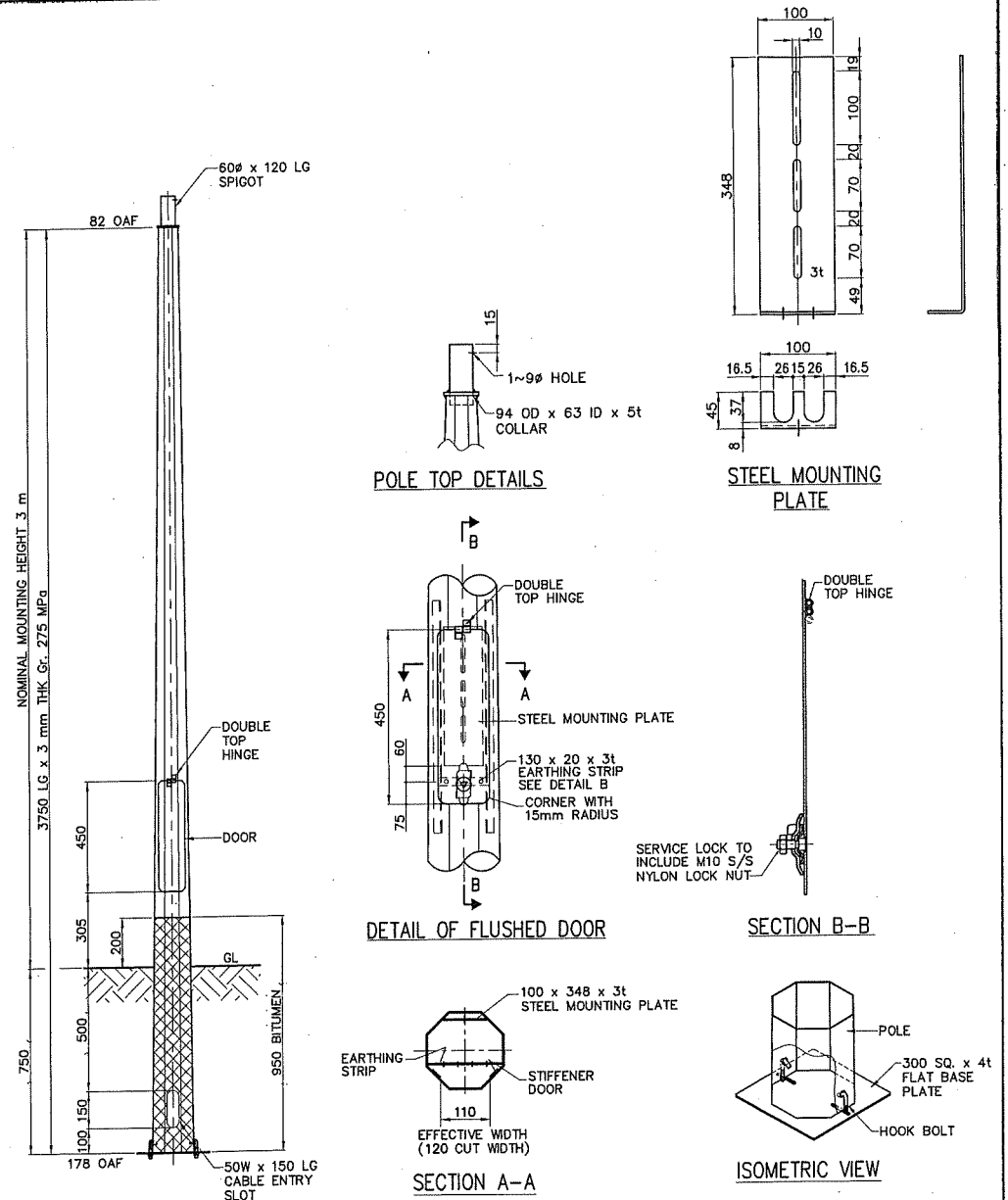
TITLE : 2.5m OCTAGONAL LIGHTING POLE
(PLANTED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-007

TITLE : 3.0m OCTAGONAL STREET LIGHTING POLE
(FLANGED TYPE)

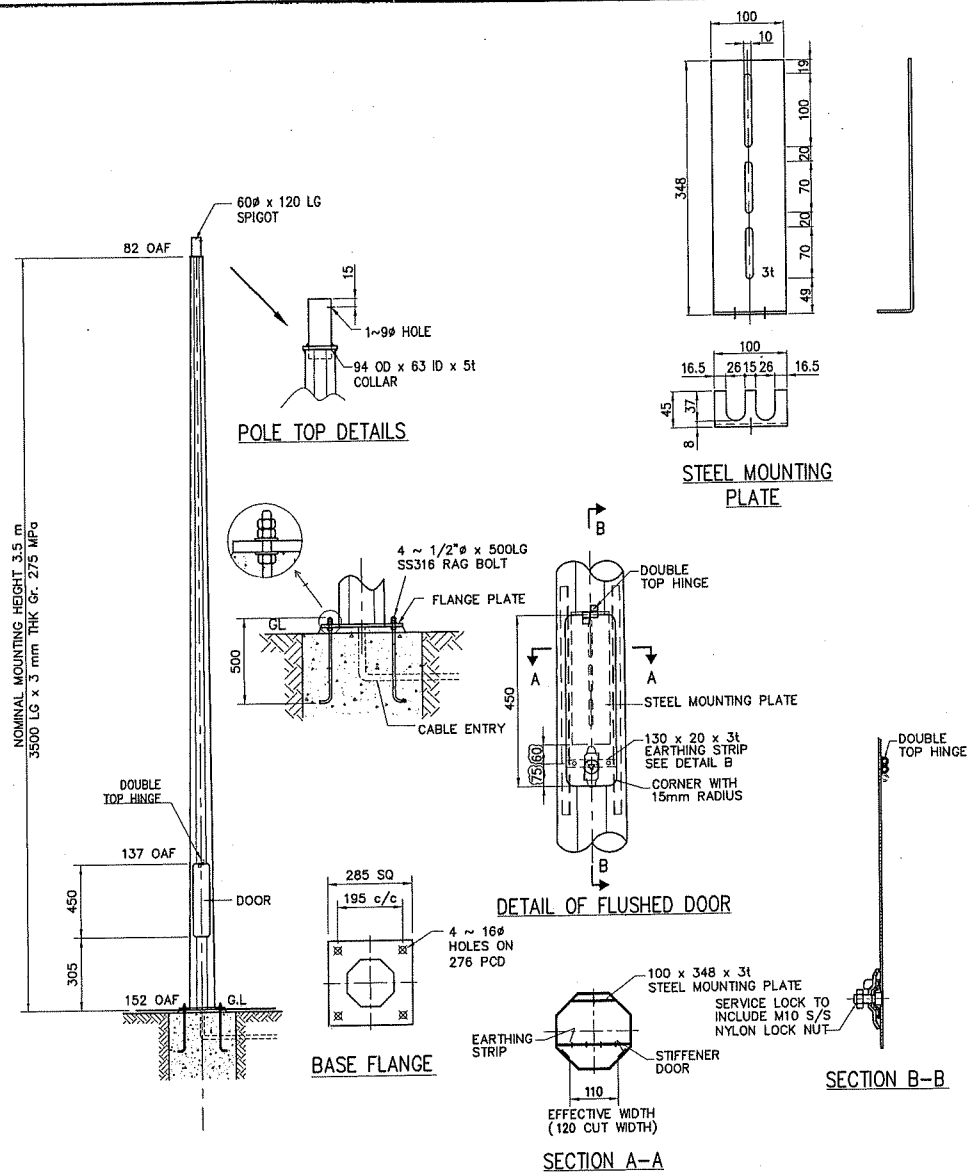


Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-008

TITLE : 3.0m OCTAGONAL LIGHTING POLE
(PLANTED TYPE)

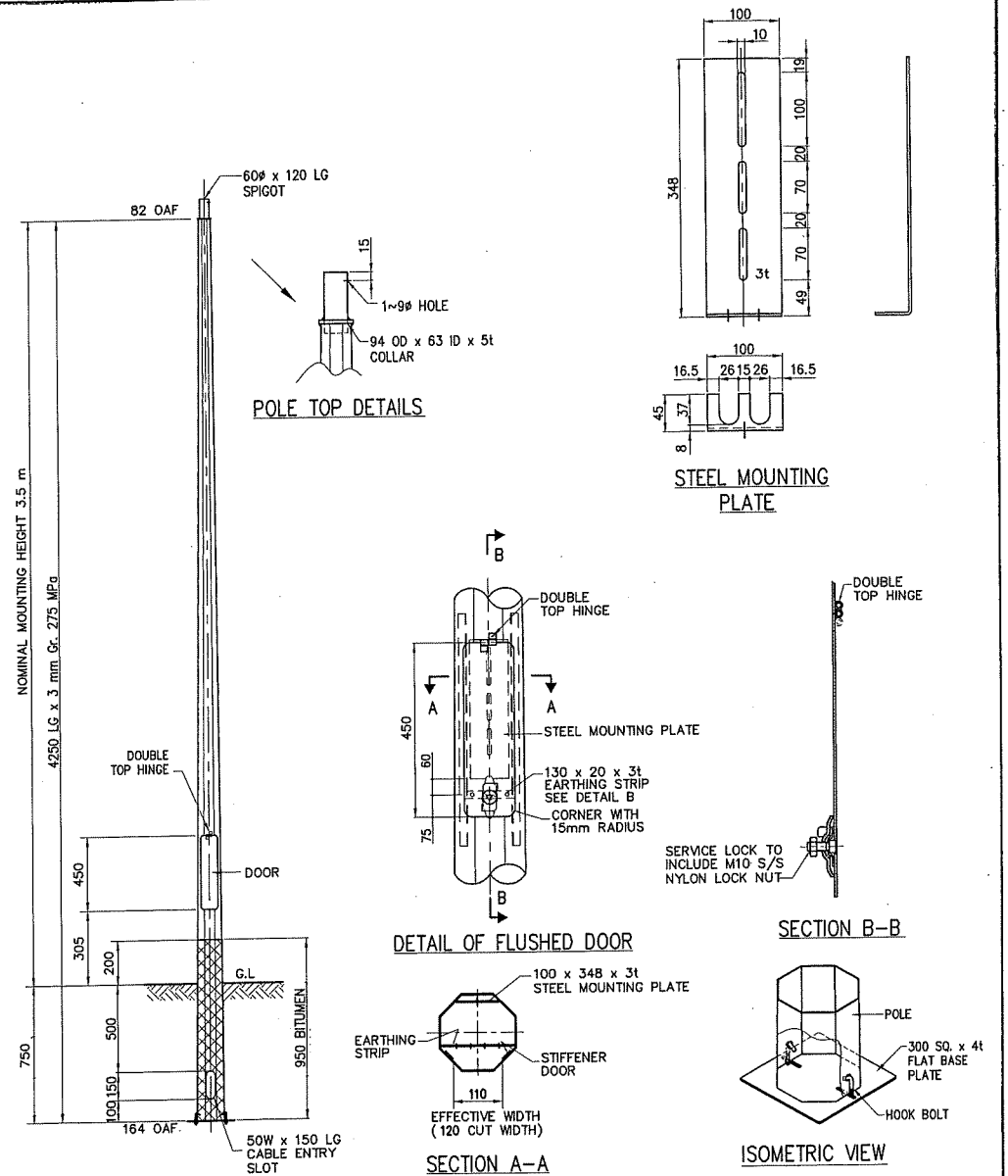
NOMINAL MOUNTING HEIGHT 3.5 m
3500 LG x 3 mm THK Gr. 275 MPa



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-009

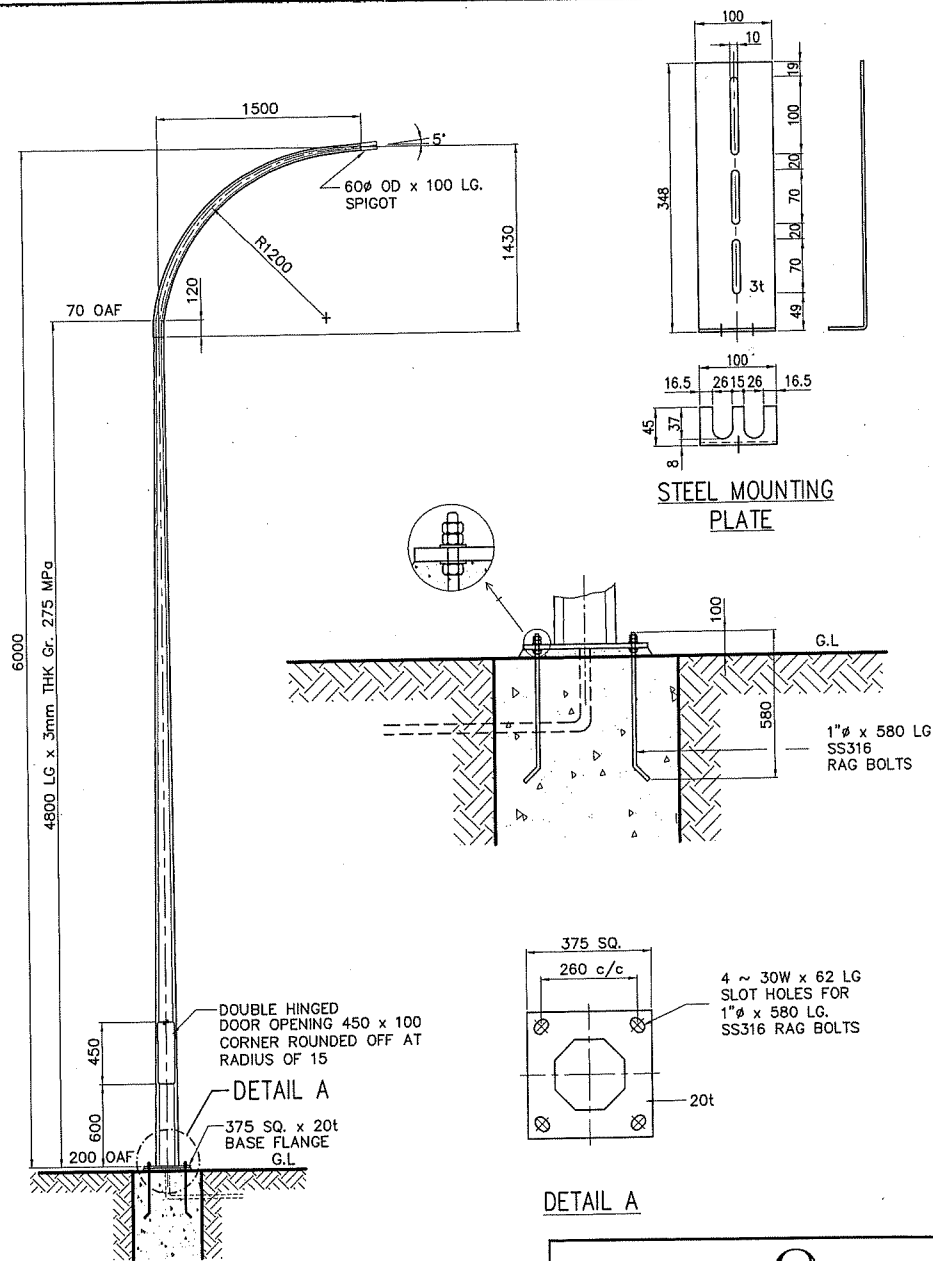
TITLE : 3.5m OCTAGONAL LIGHTING POLE
(FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-010

TITLE : 3.5m OCTAGONAL LIGHTING POLE
(PLANTED TYPE)

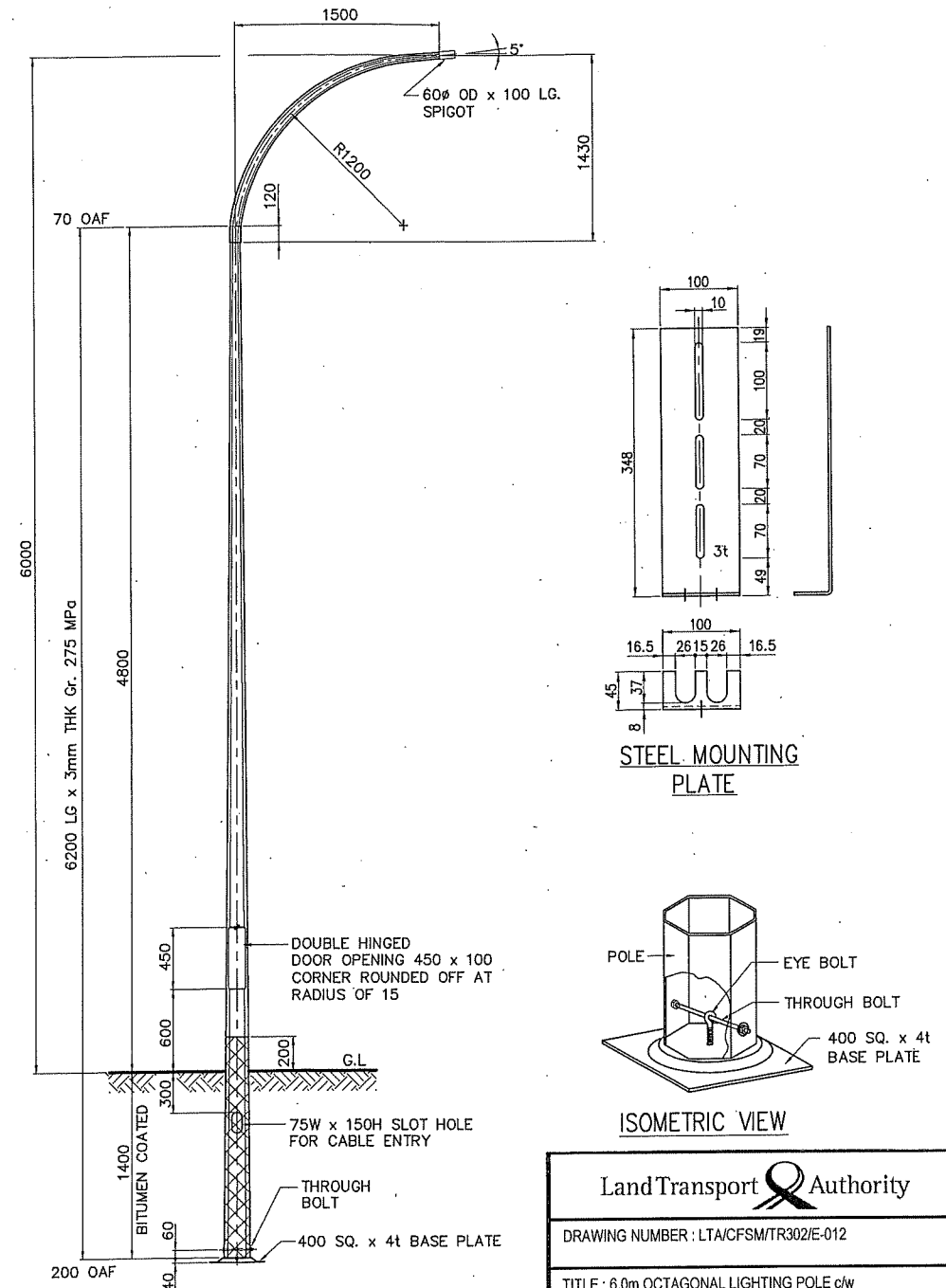


DETAIL A

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-011

TITLE : 6.0m OCTAGONAL LIGHTING POLE c/w 1.5m SINGLE BRACKET ARM (FLANGED TYPE)

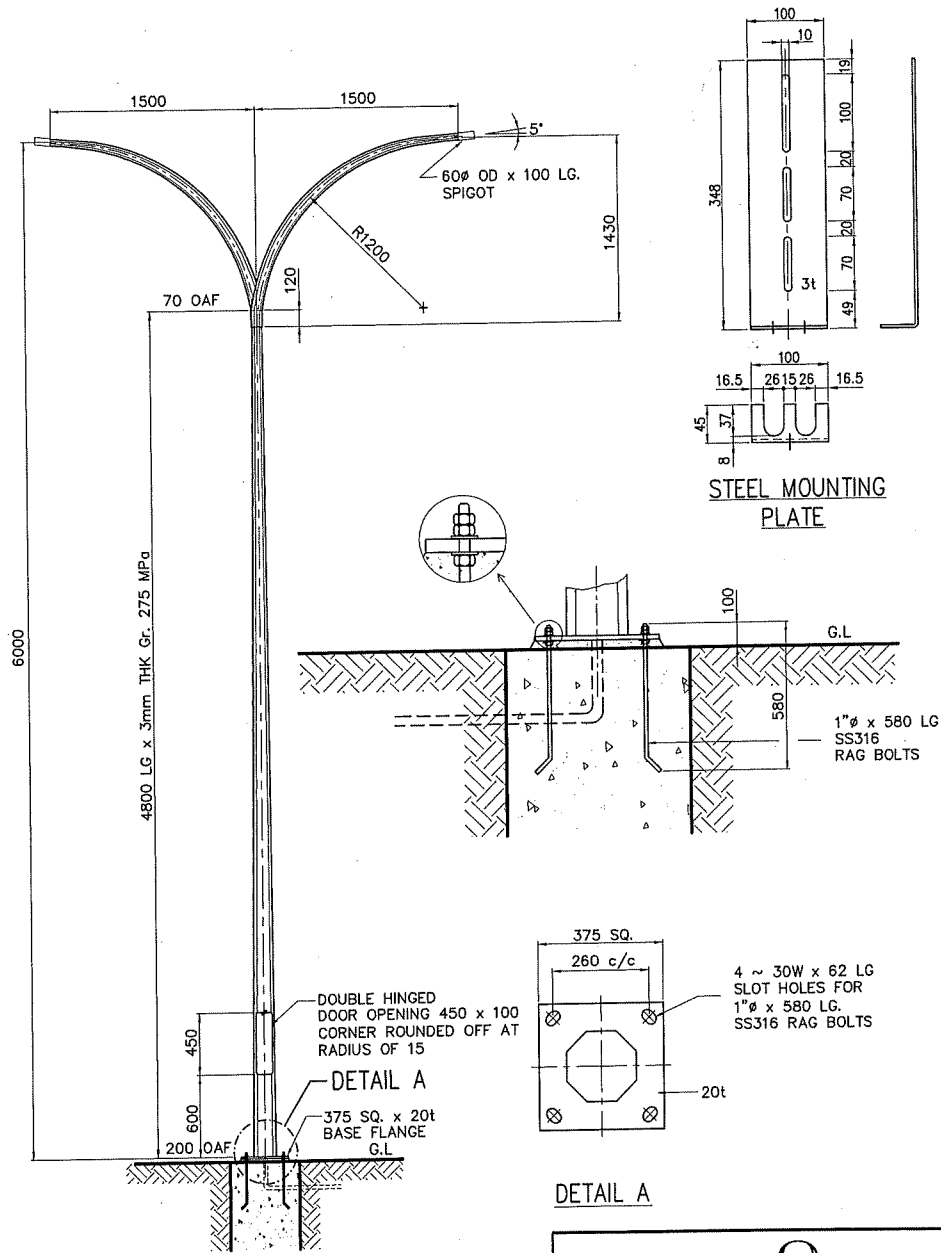


ISOMETRIC VIEW

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-012

TITLE : 6.0m OCTAGONAL LIGHTING POLE c/w 1.5m SINGLE BRACKET ARM (PLANTED TYPE)

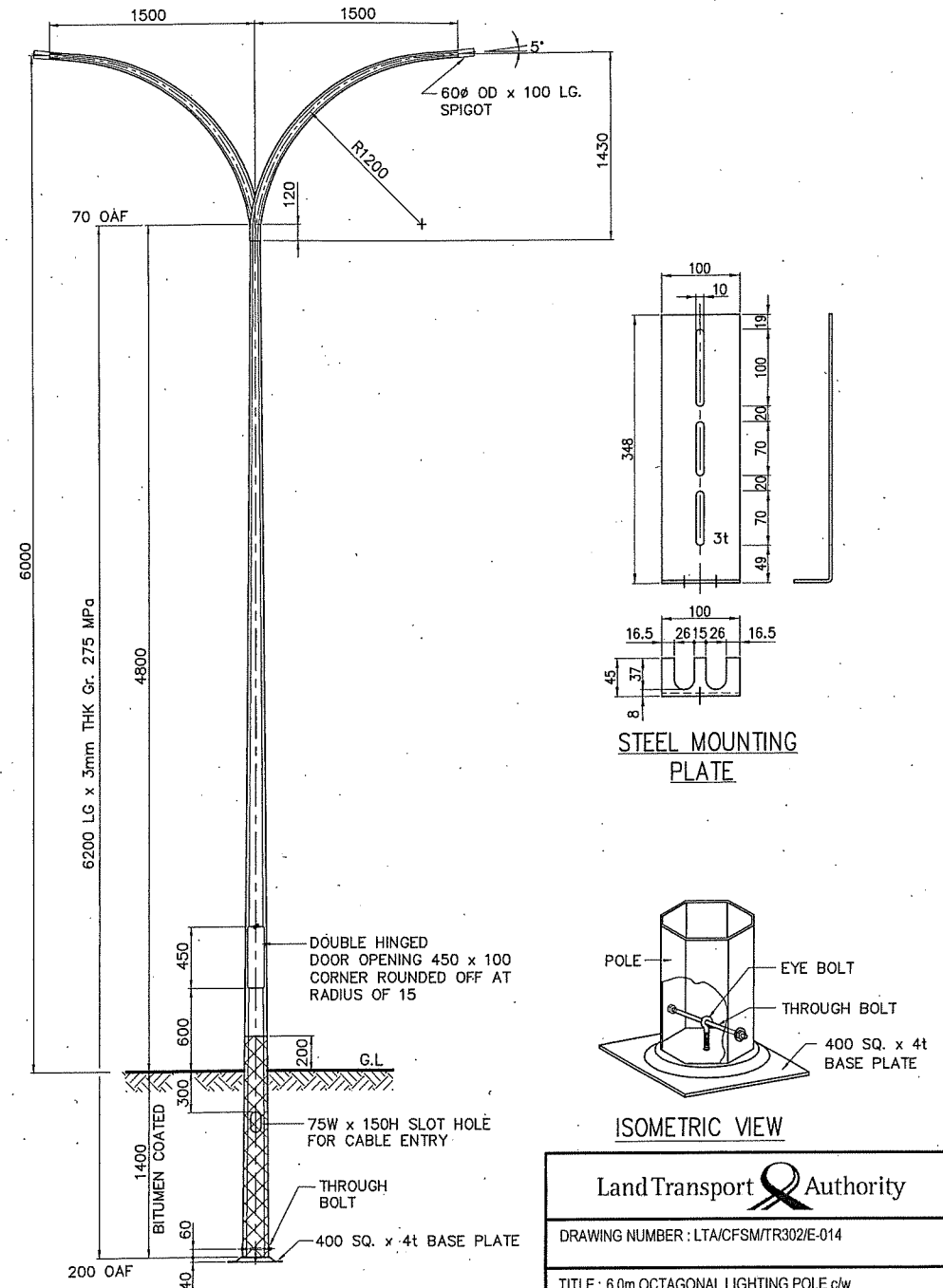


DETAIL A

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-013

TITLE : 6.0m OCTAGONAL LIGHTING POLE c/w
1.5m DOUBLE BRACKET ARM (FLANGED TYPE)

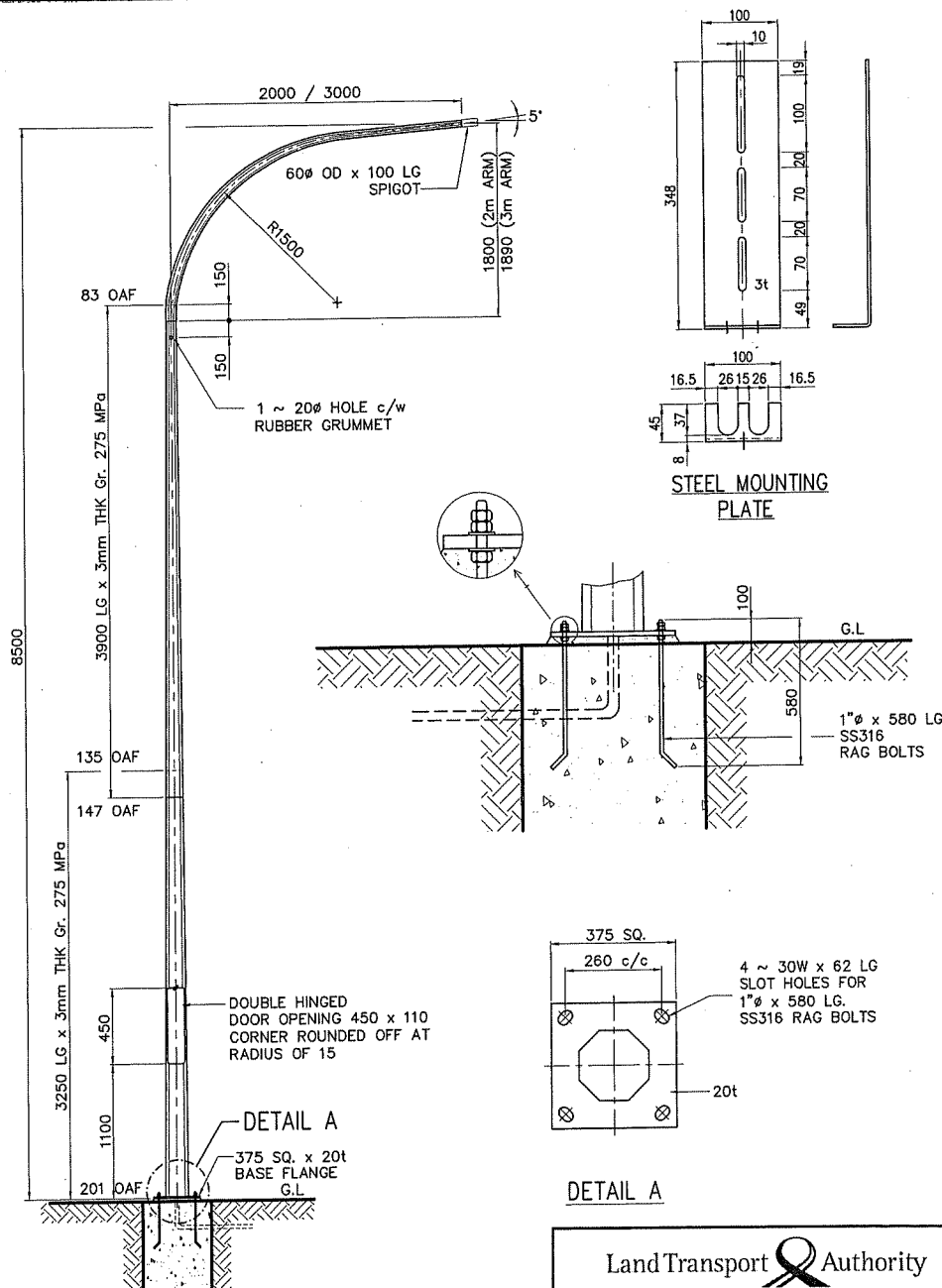


ISOMETRIC VIEW

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-014

TITLE : 6.0m OCTAGONAL LIGHTING POLE c/w
1.5m DOUBLE BRACKET ARM (PLANTED TYPE)

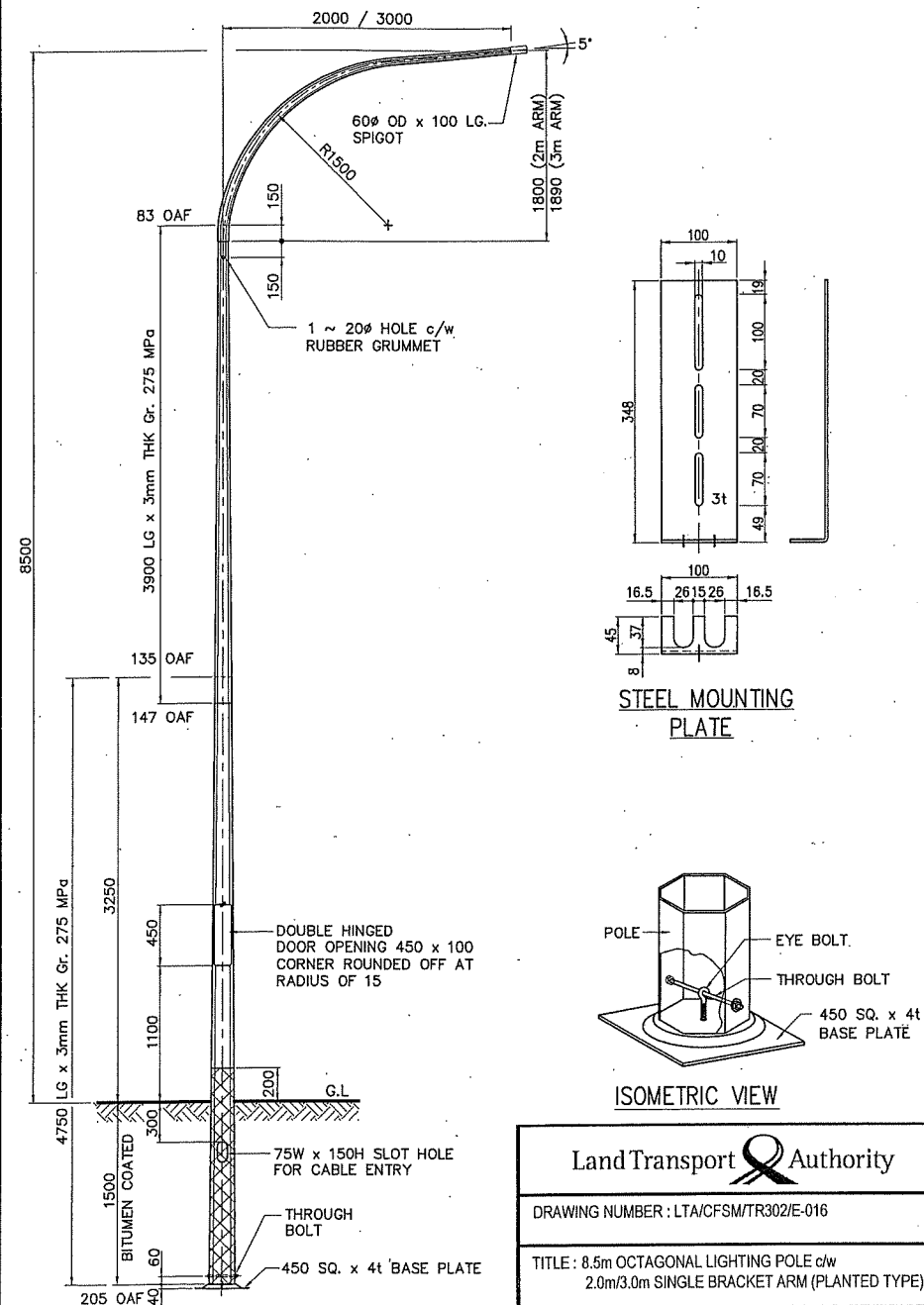


DETAIL A

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-015

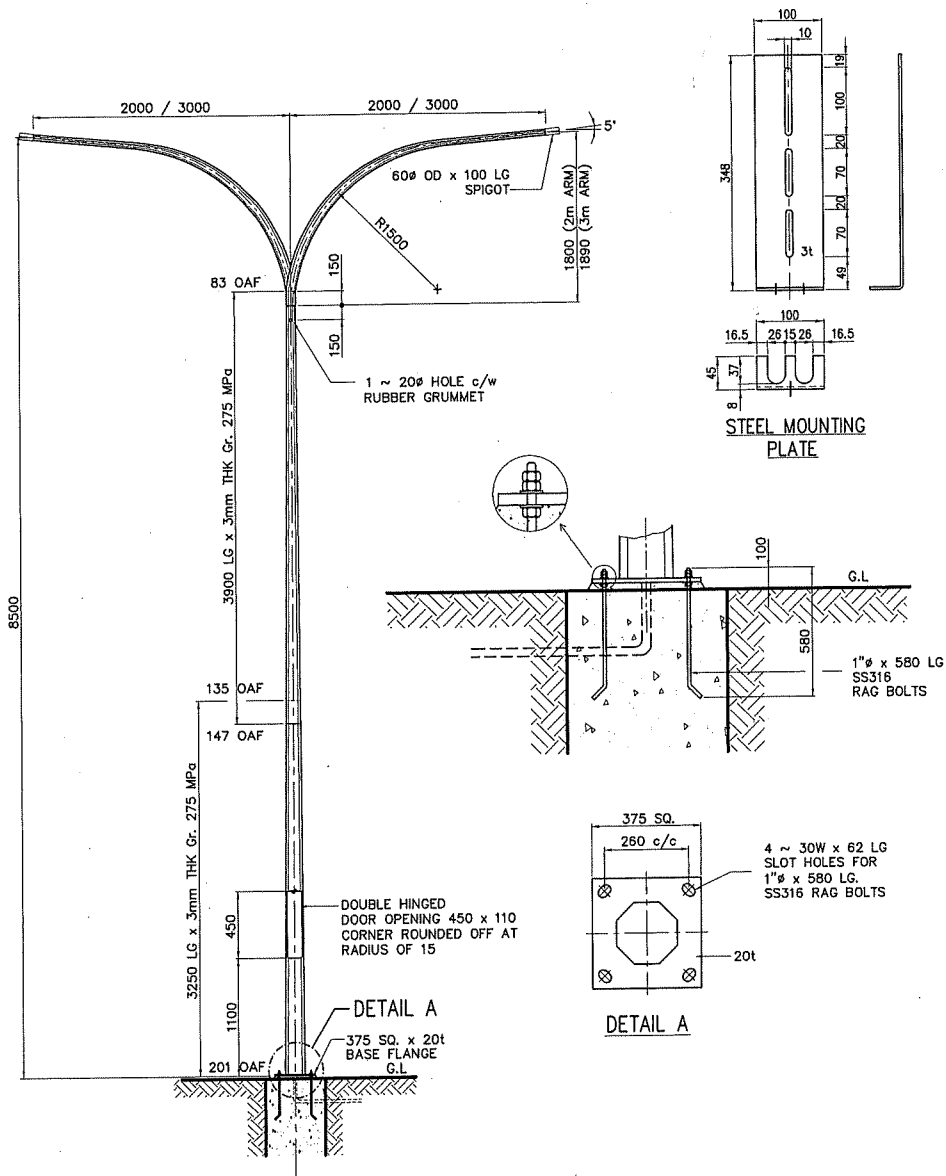
TITLE : 8.5m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m SINGLE BRACKET ARM (FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-016

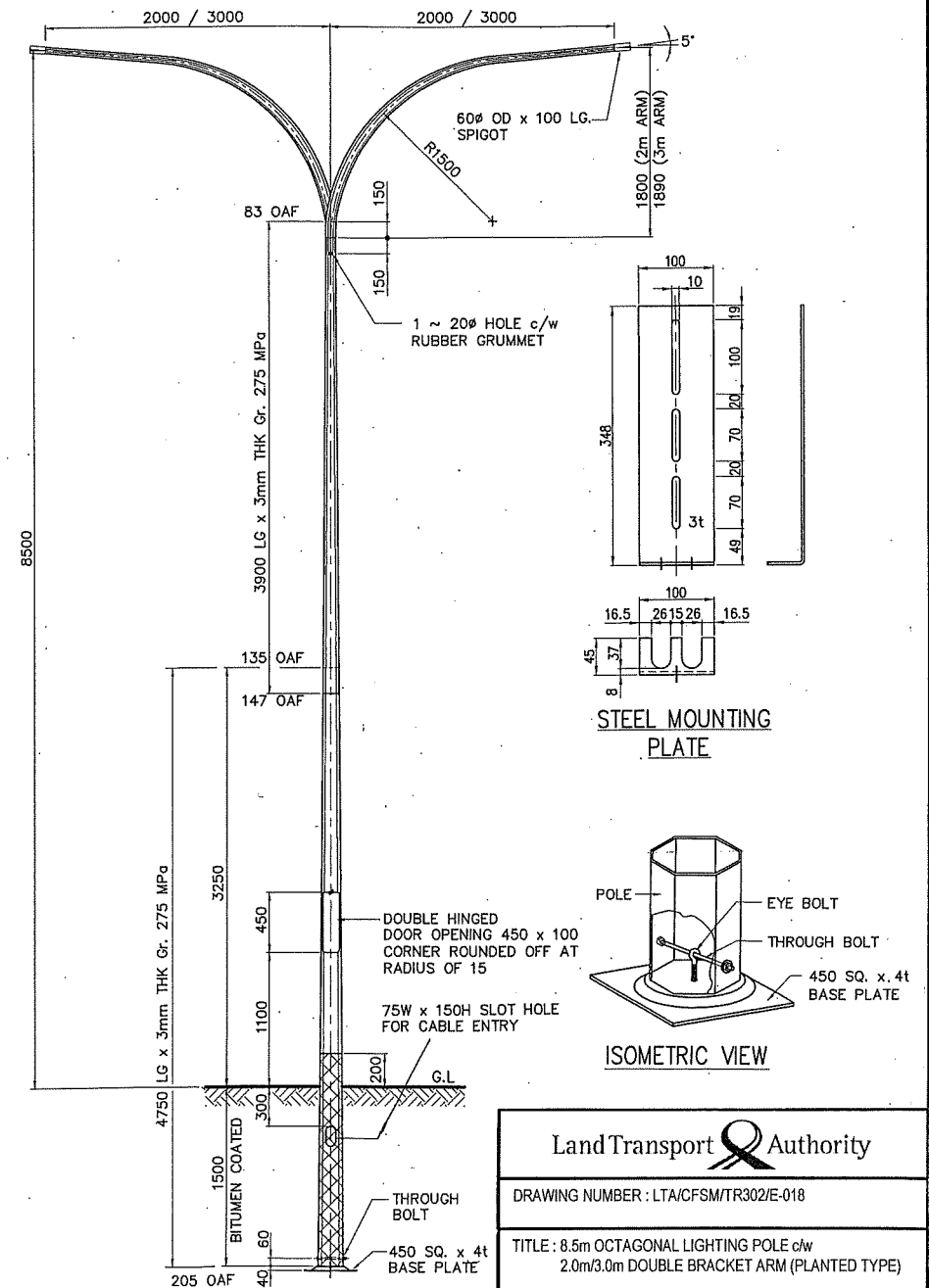
TITLE : 8.5m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m SINGLE BRACKET ARM (PLANTED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-017

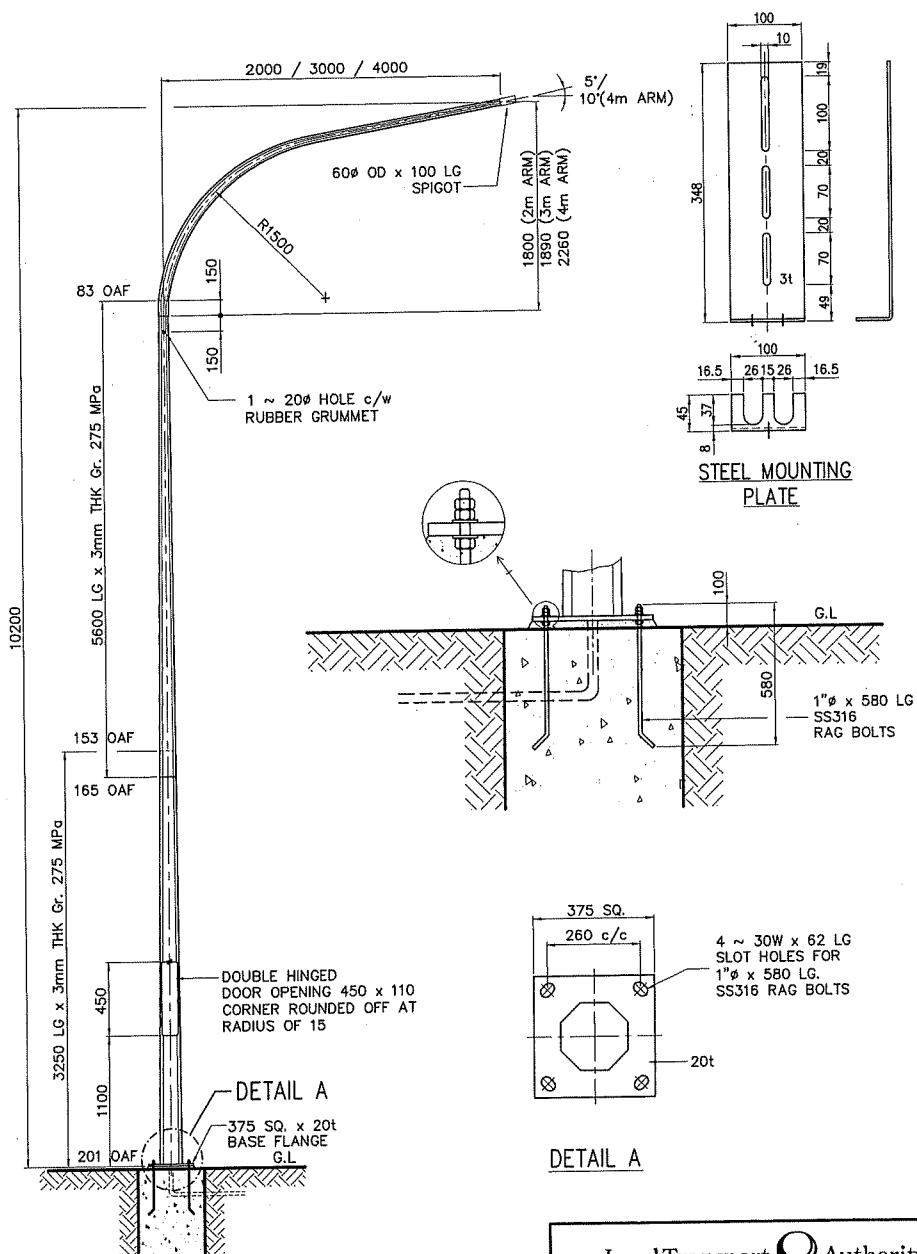
TITLE : 8.5m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m DOUBLE BRACKET ARM (FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-018

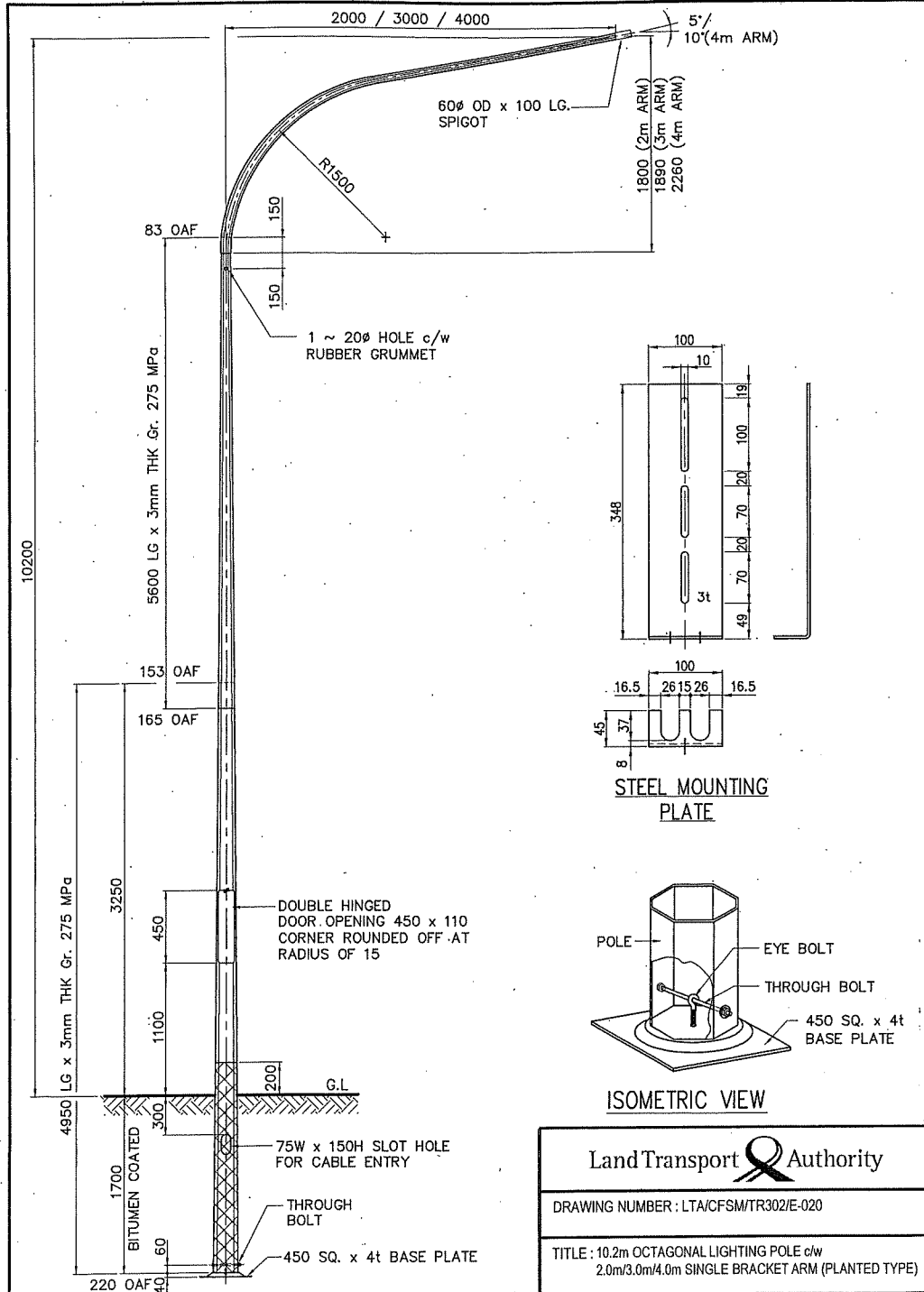
TITLE : 8.5m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m DOUBLE BRACKET ARM (PLANTED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-019

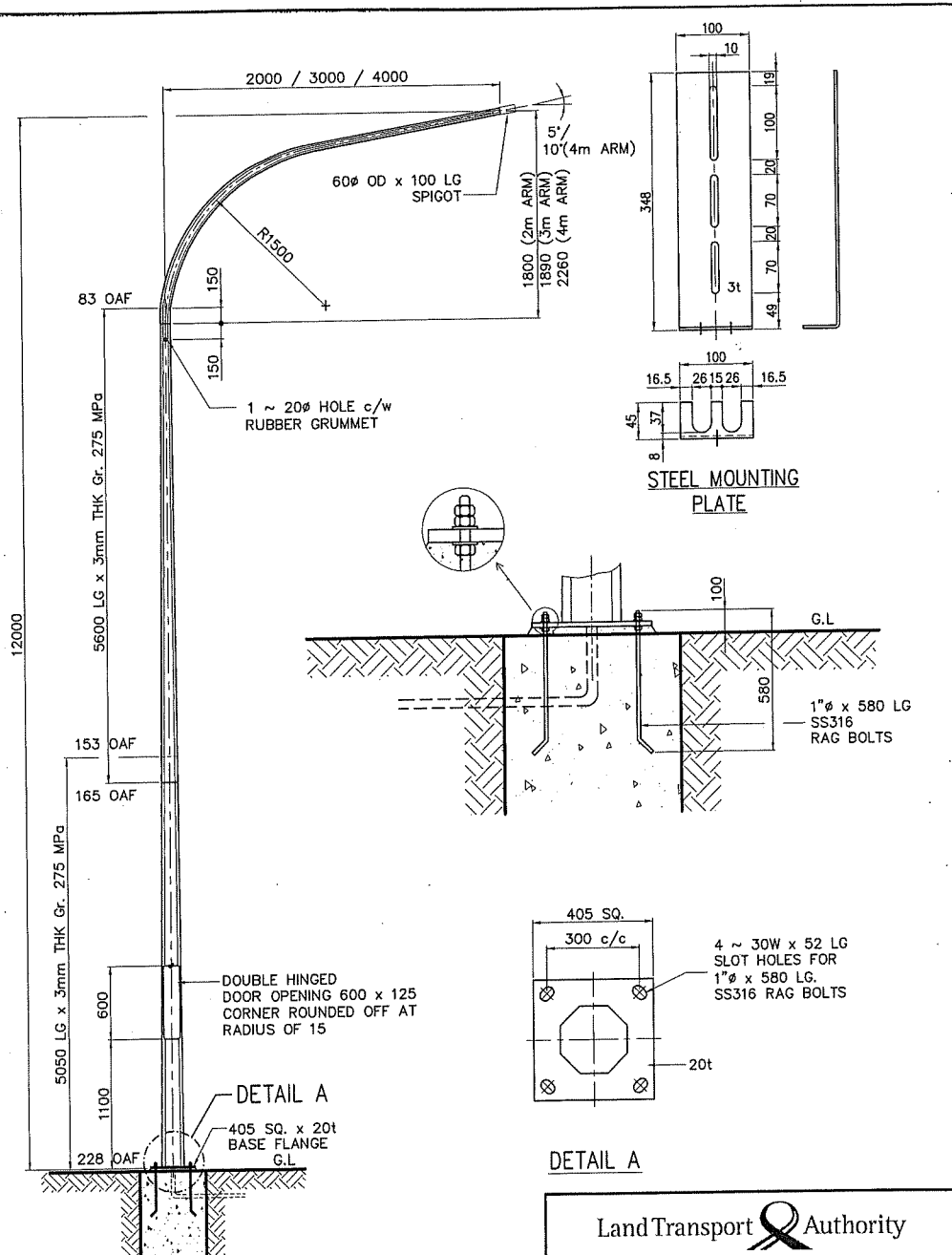
TITLE : 10.2m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m SINGLE BRACKET ARM (FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-020

TITLE : 10.2m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m SINGLE BRACKET ARM (PLANTED TYPE)

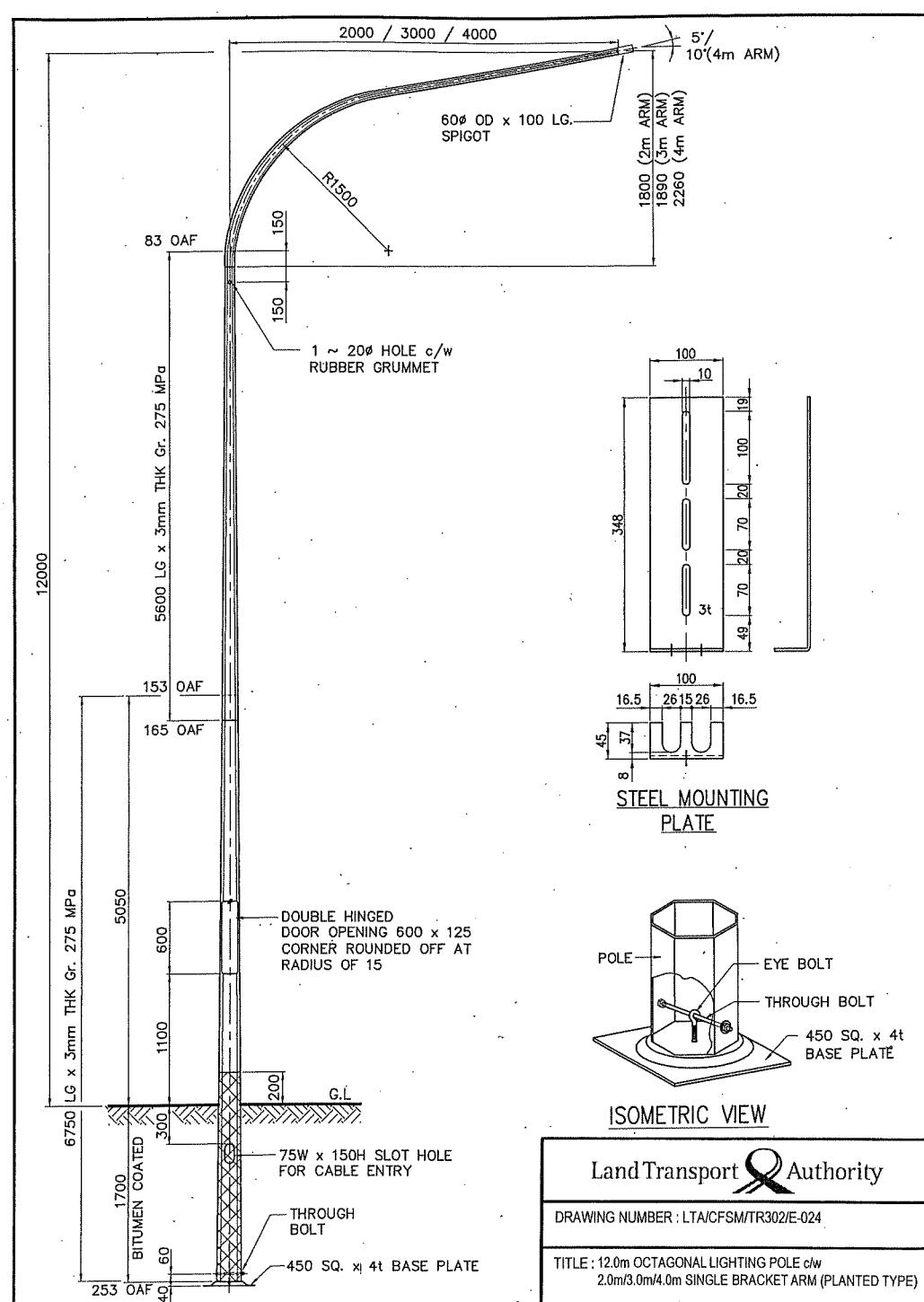


DETAIL A

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-023

TITLE : 12.0m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m SINGLE BRACKET ARM (FLANGED TYPE)

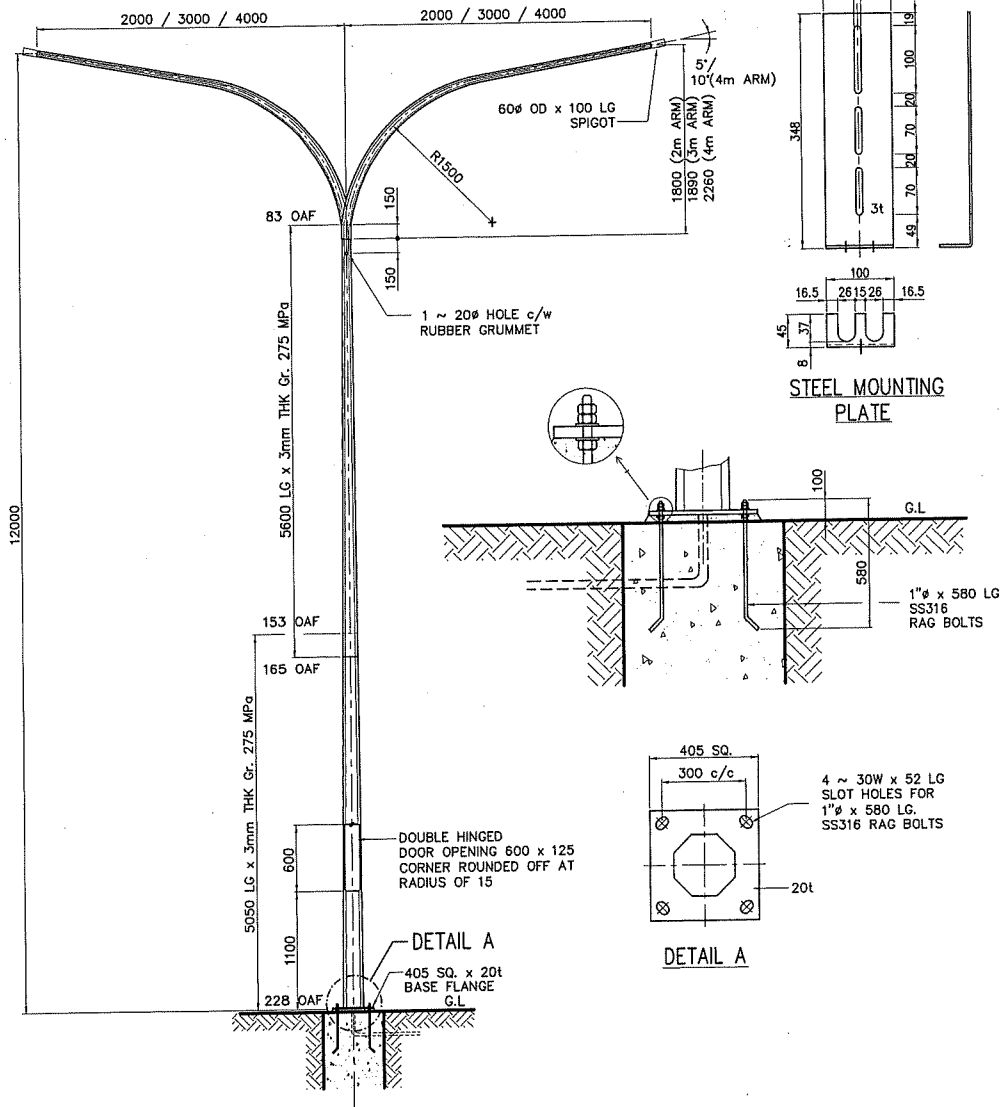


ISOMETRIC VIEW

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-024

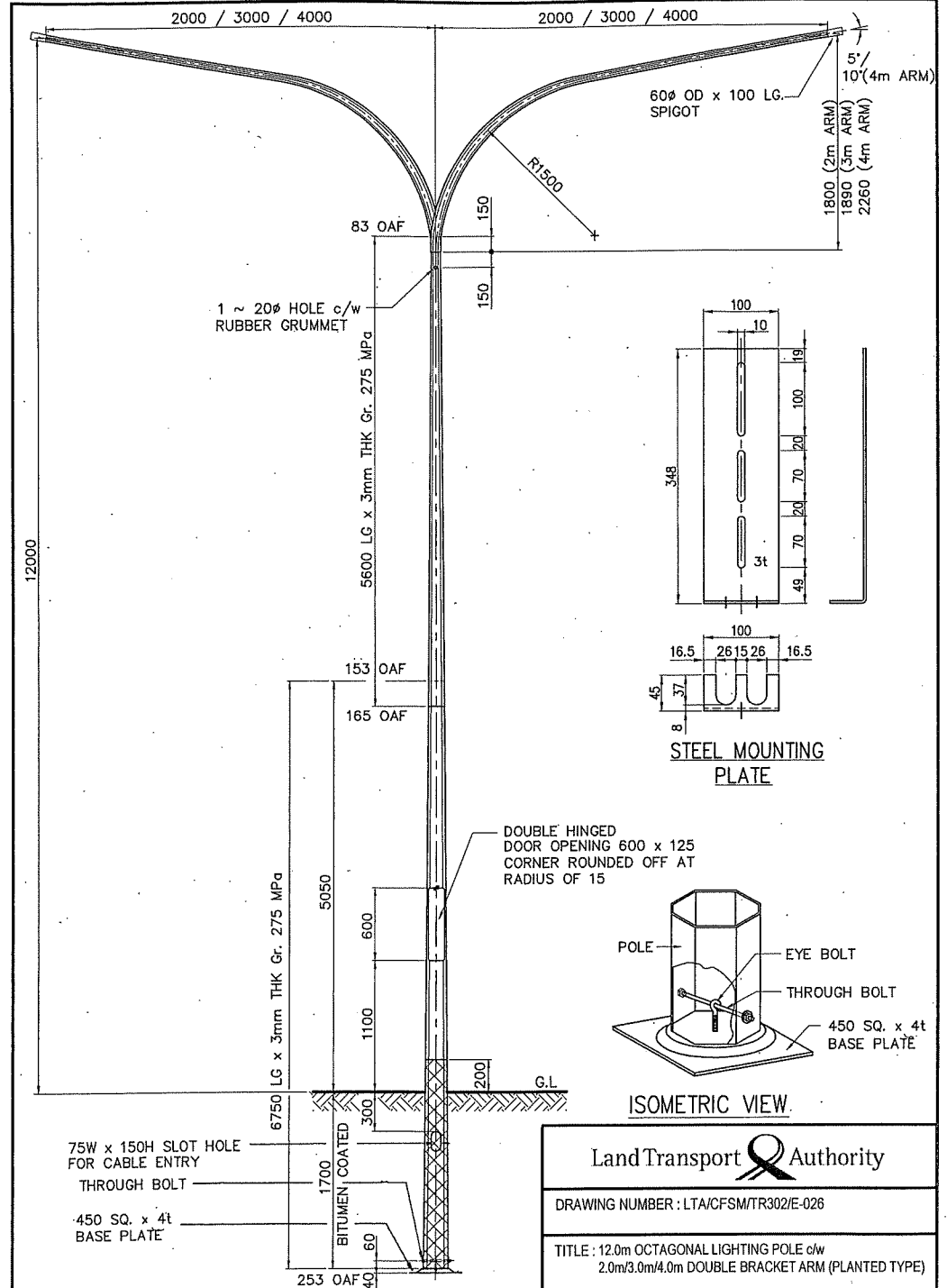
TITLE : 12.0m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m SINGLE BRACKET ARM (PLANTED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-025

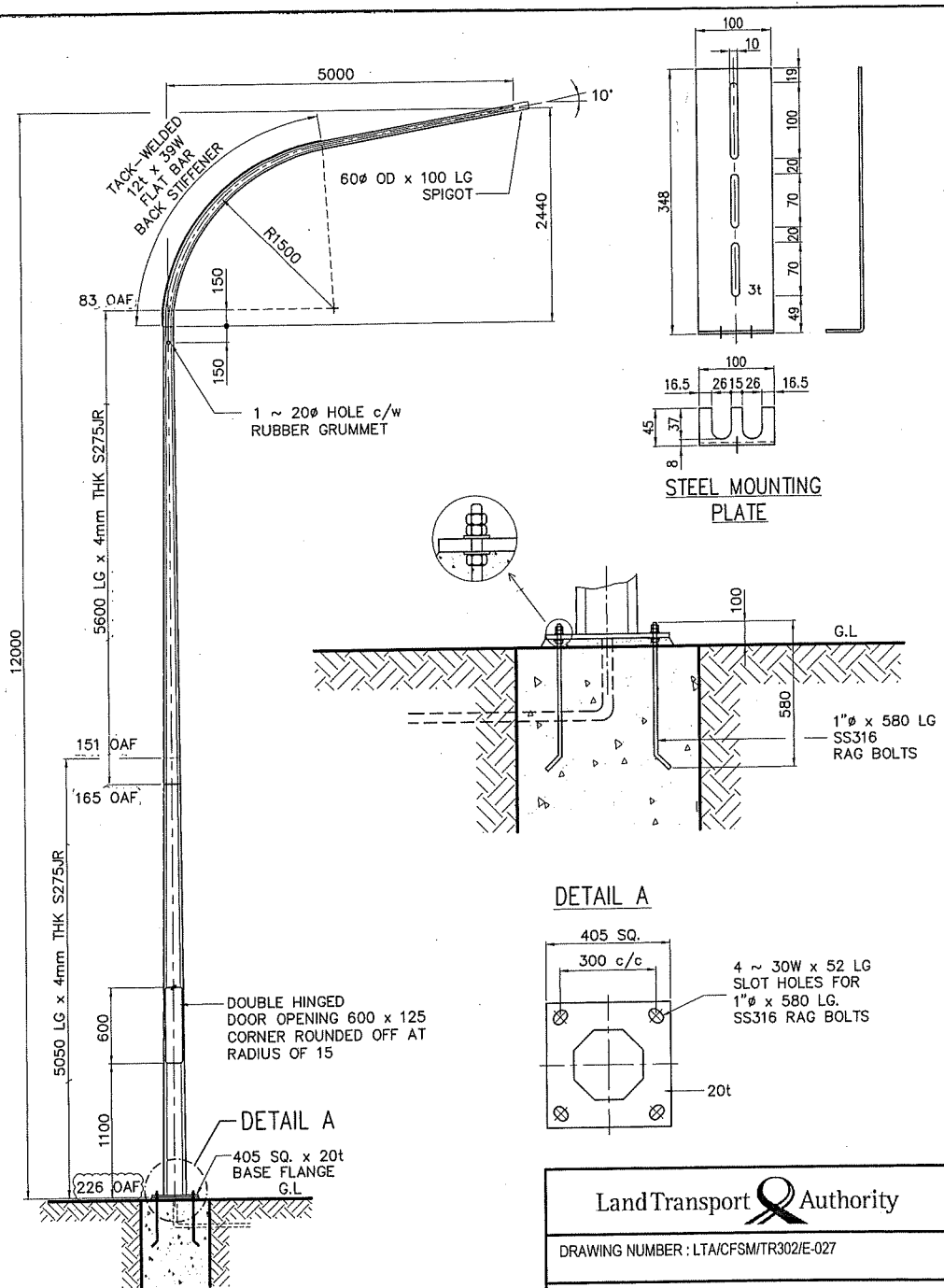
TITLE : 12.0m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m DOUBLE BRACKET ARM (FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-026

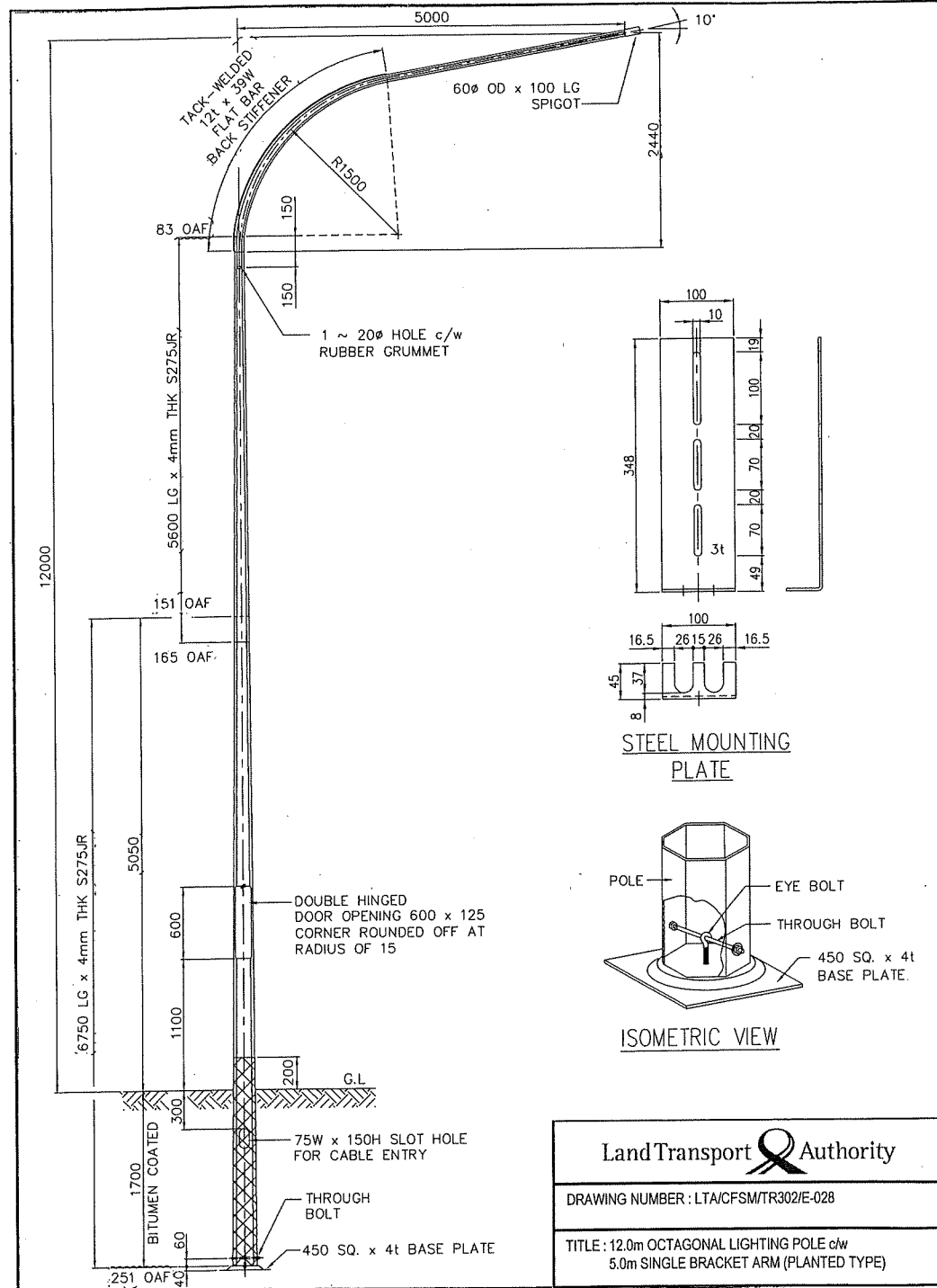
TITLE : 12.0m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m DOUBLE BRACKET ARM (PLANTED TYPE)

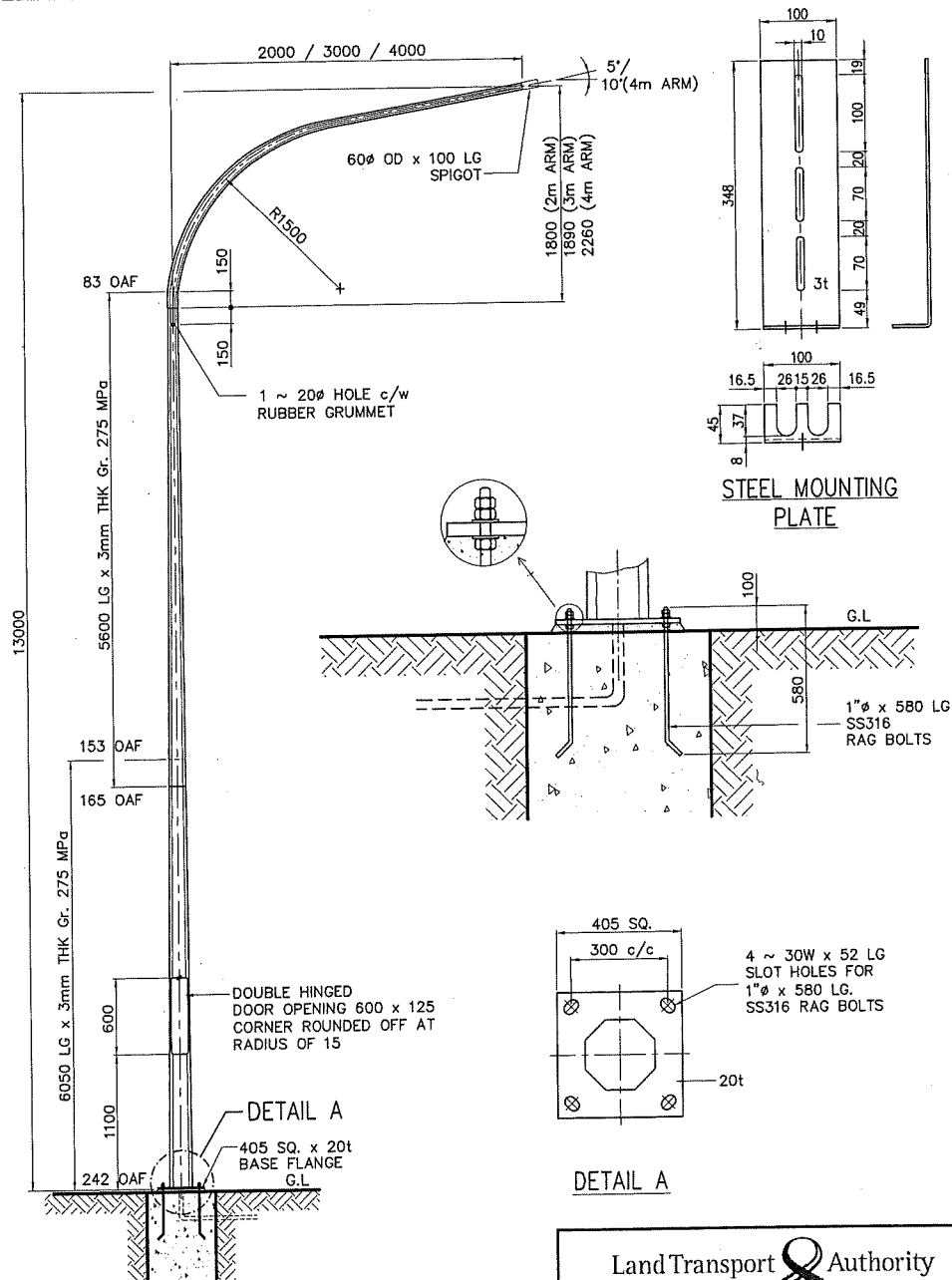


Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-027

TITLE : 12.0m OCTAGONAL LIGHTING POLE c/w
5.0m SINGLE BRACKET ARM (FLANGED TYPE)

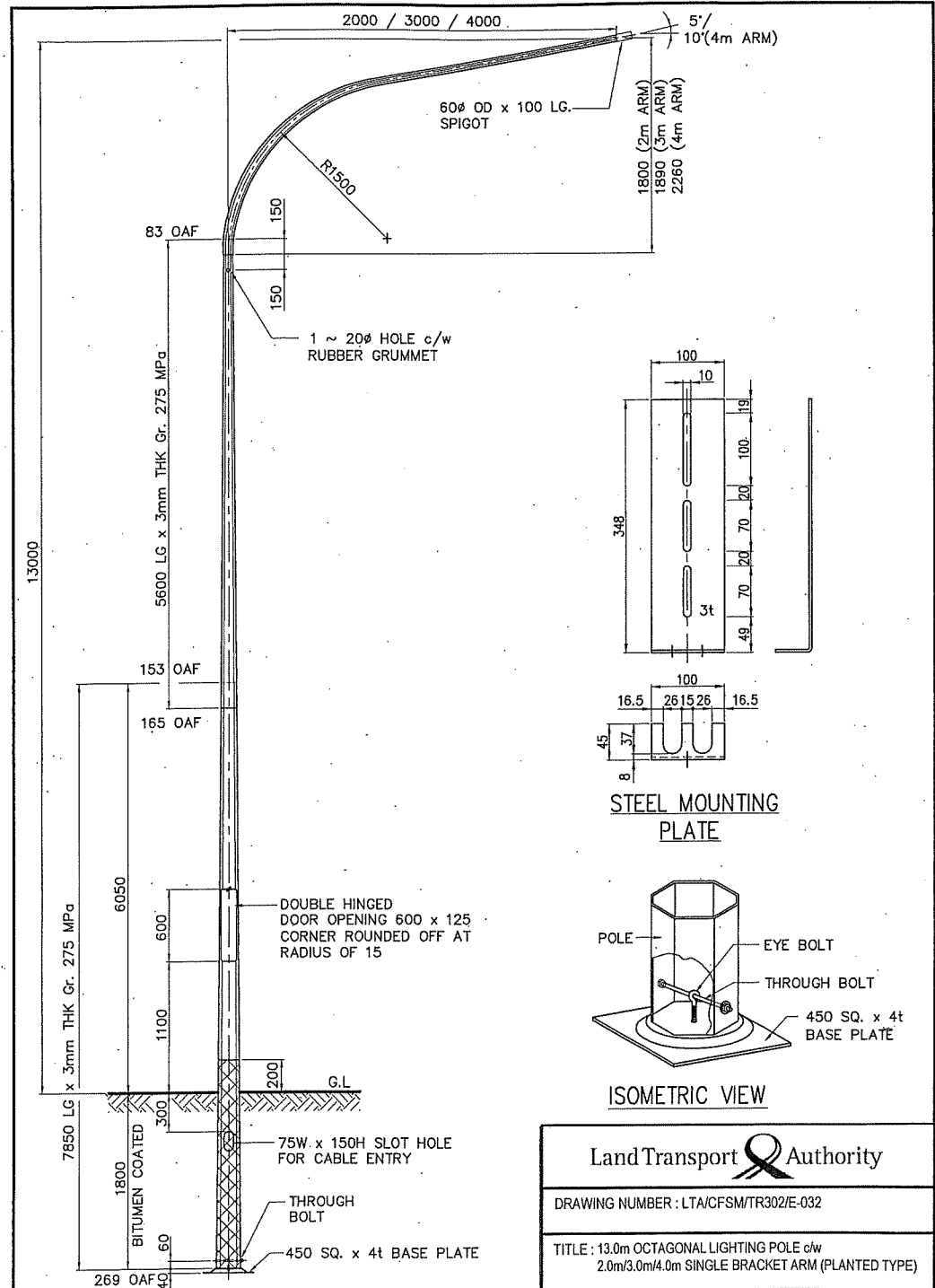




Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-031

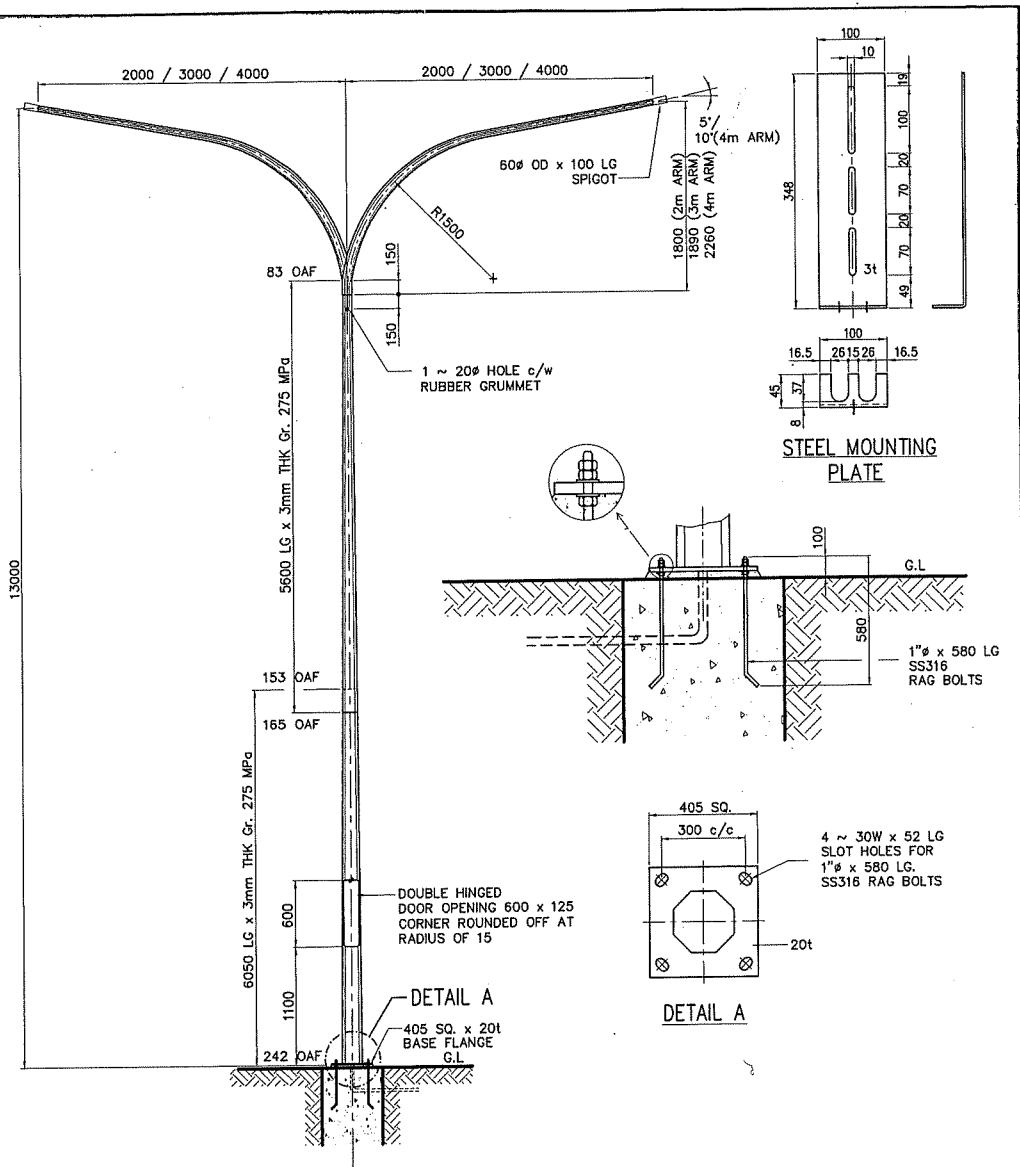
TITLE : 13.0m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m SINGLE BRACKET ARM (FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-032

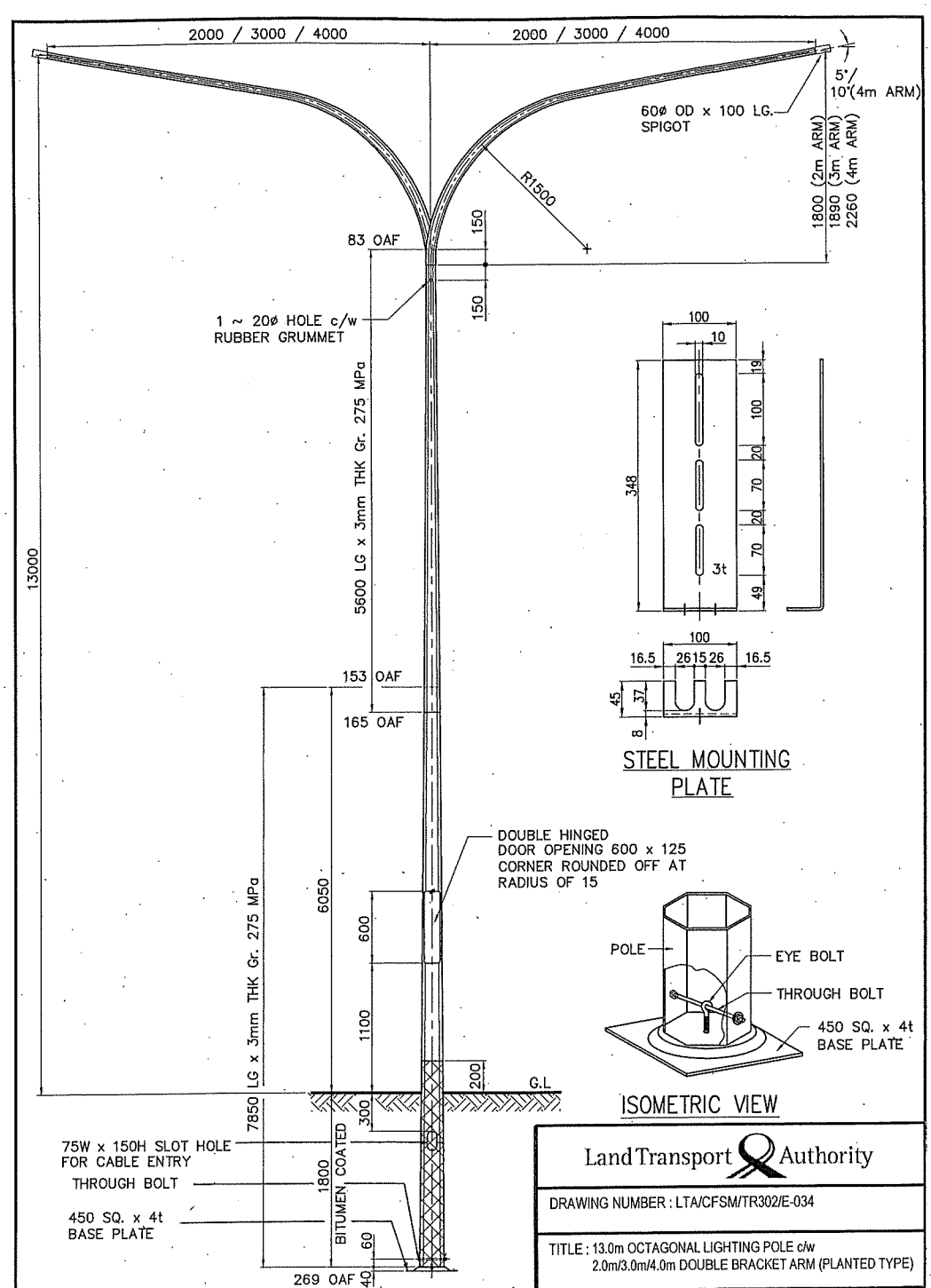
TITLE : 13.0m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m SINGLE BRACKET ARM (PLANTED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-033

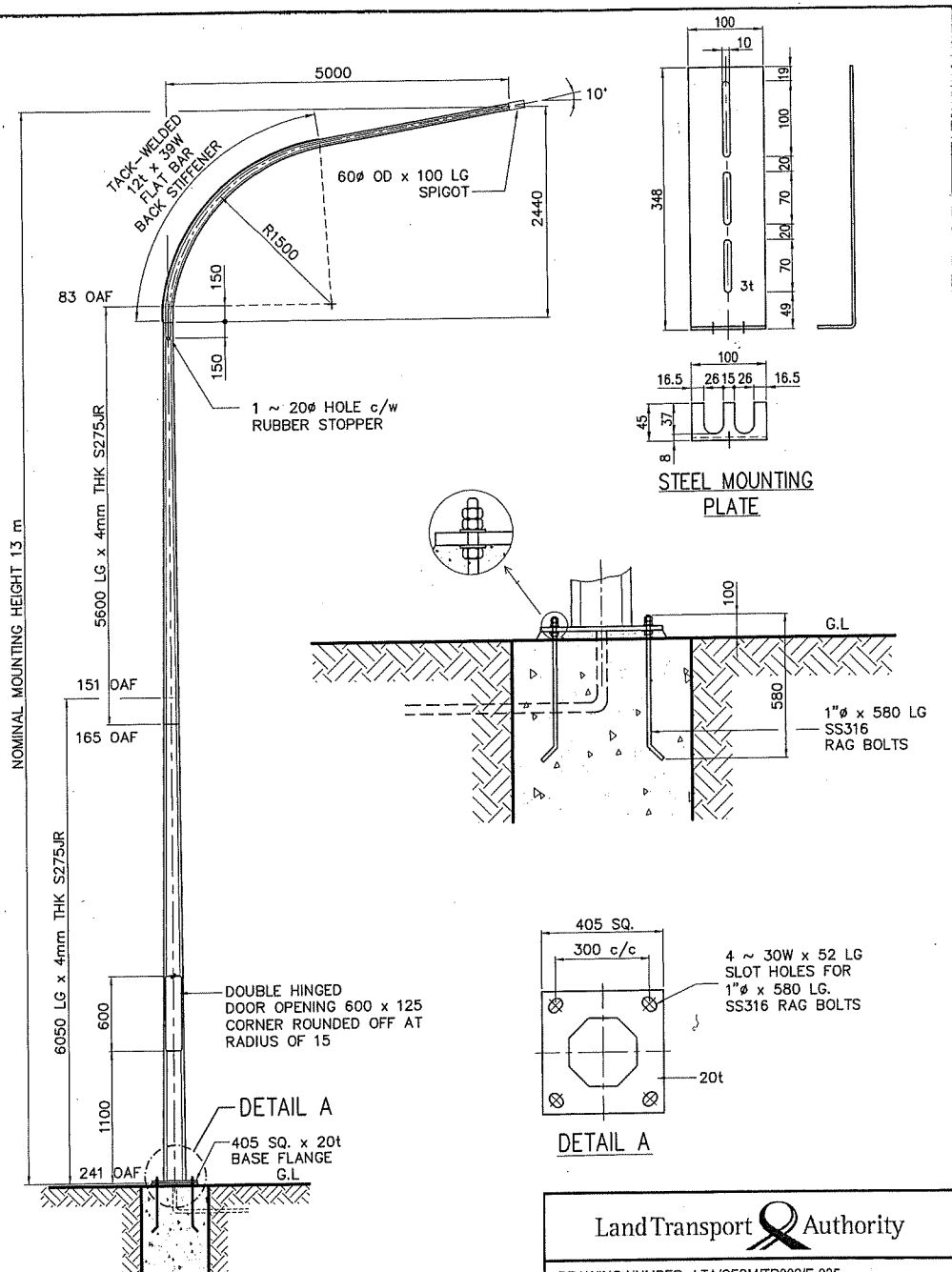
TITLE : 13.0m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m DOUBLE BRACKET ARM (FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-034

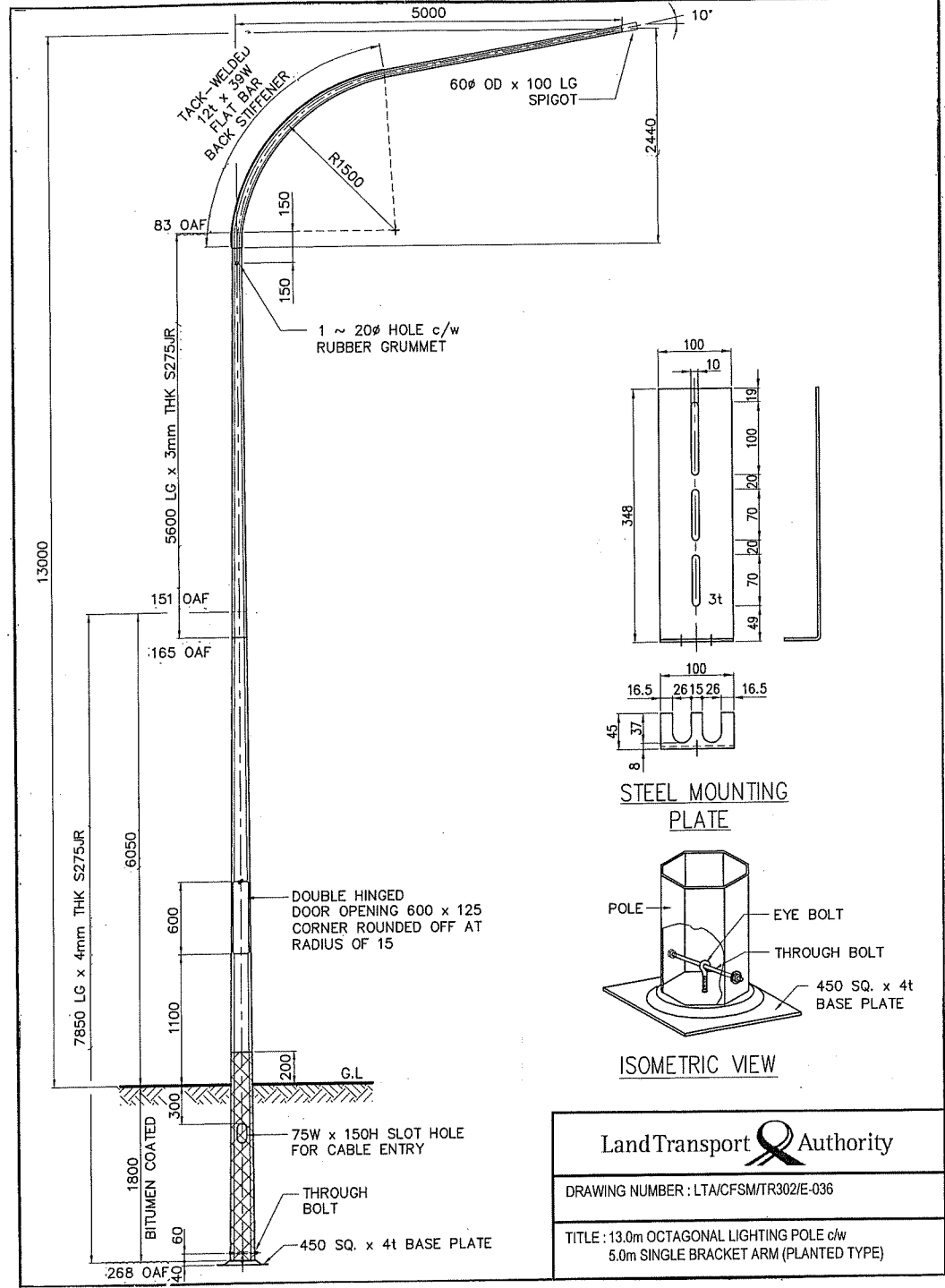
TITLE : 13.0m OCTAGONAL LIGHTING POLE c/w
2.0m/3.0m/4.0m DOUBLE BRACKET ARM (PLANTED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-035

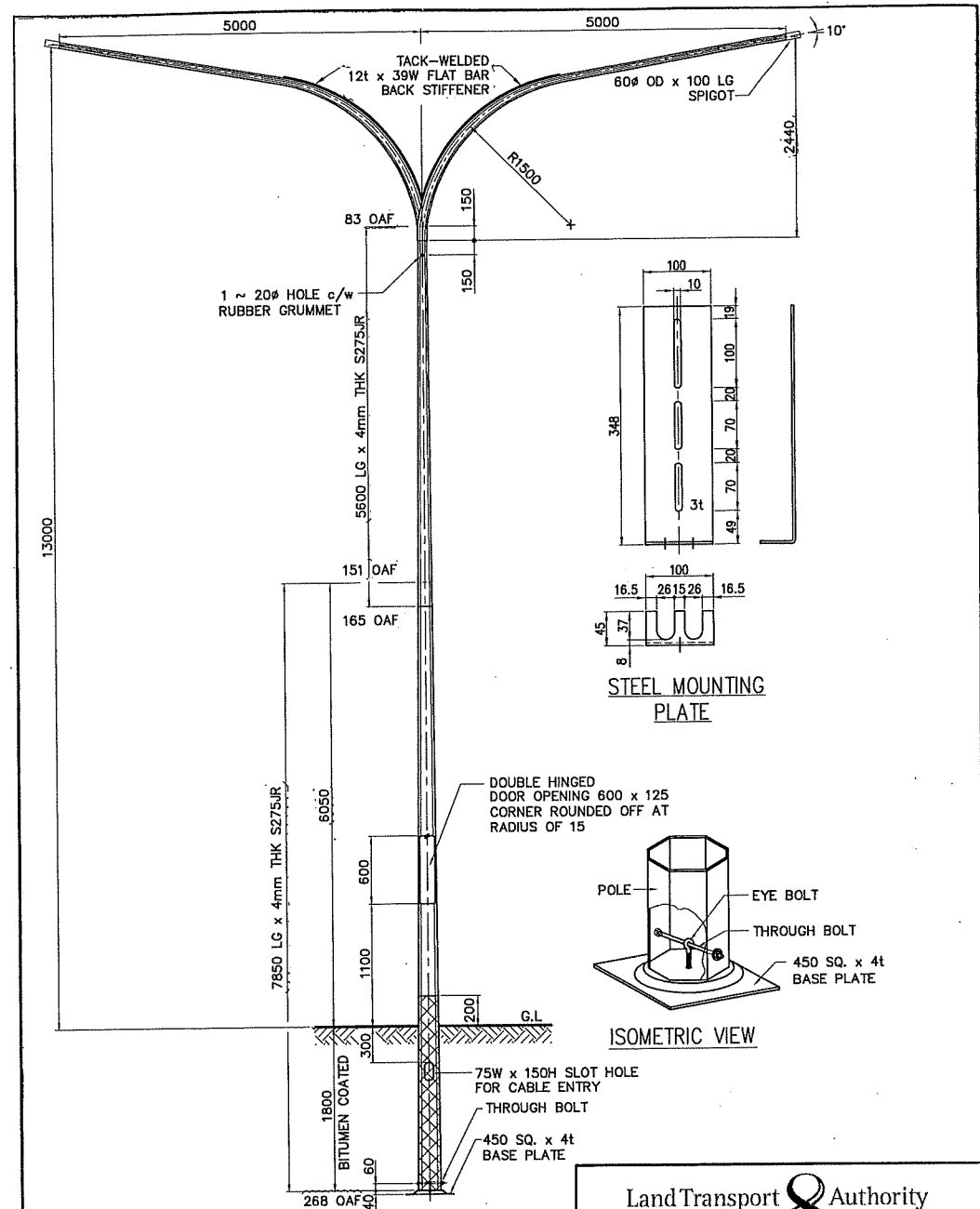
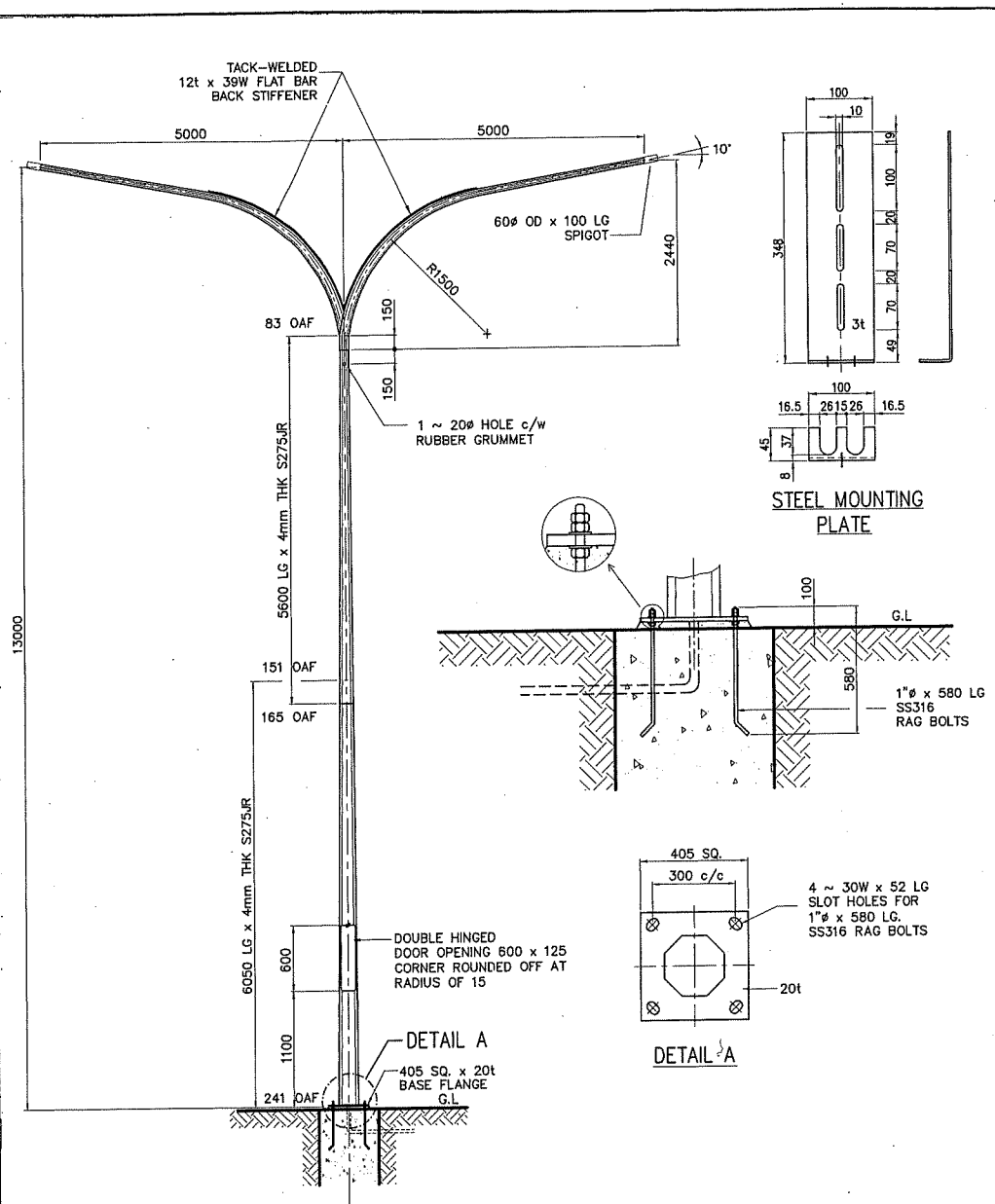
TITLE : 13.0m OCTAGONAL LIGHTING POLE c/w 5.0m SINGLE BRACKET ARM (FLANGED TYPE)

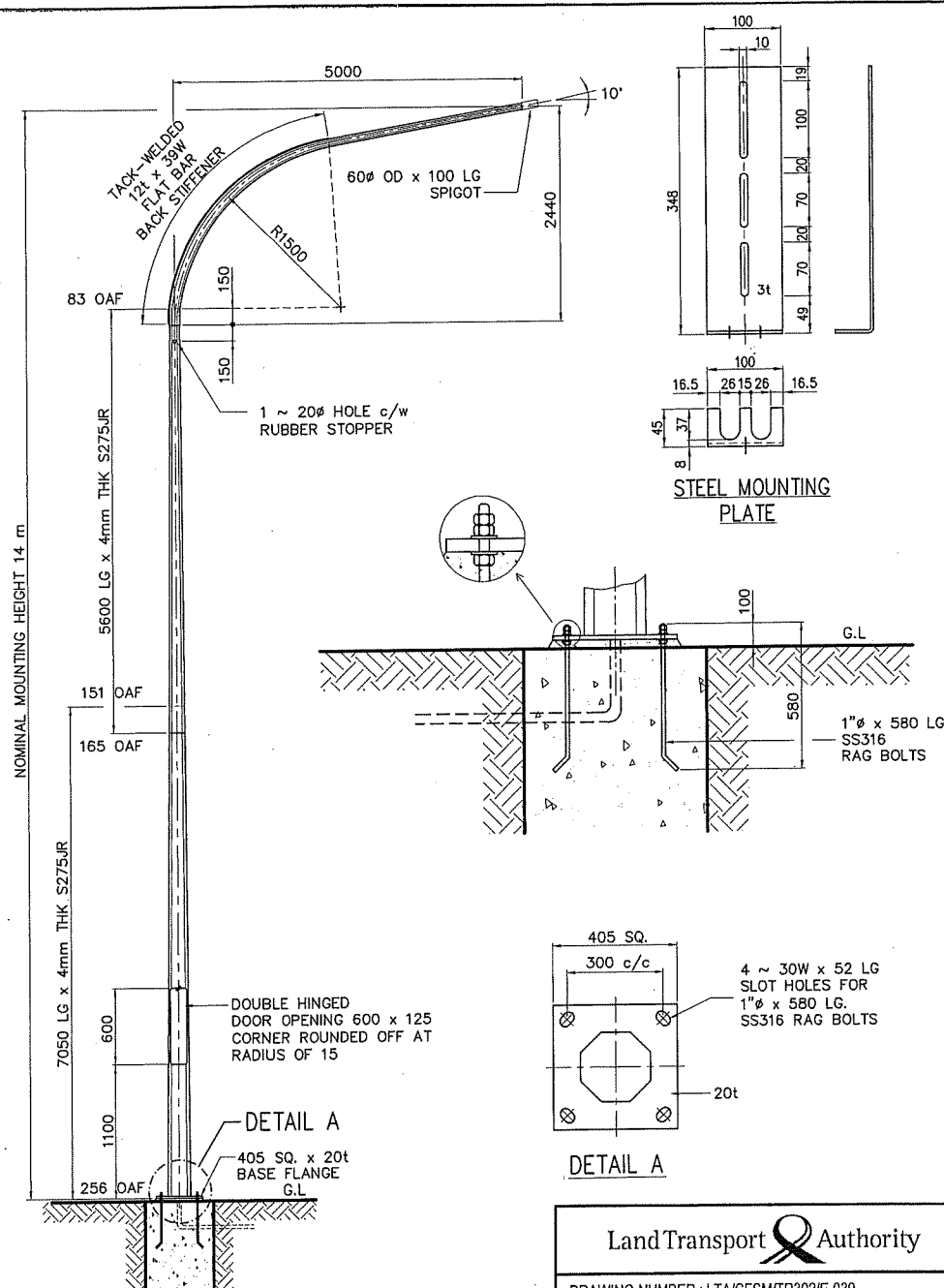


Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-036

TITLE : 13.0m OCTAGONAL LIGHTING POLE c/w 5.0m SINGLE BRACKET ARM (PLANTED TYPE)

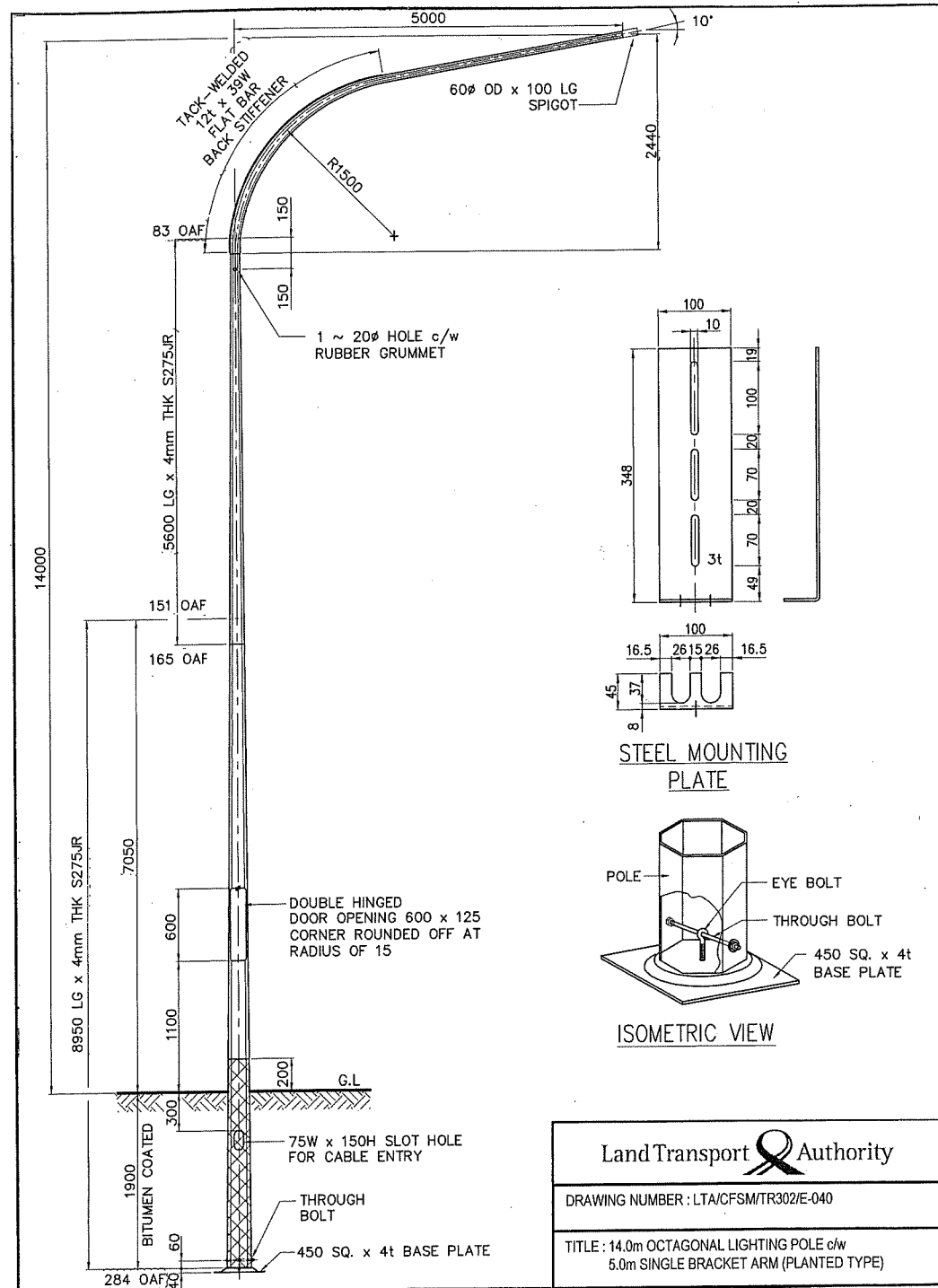




Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-039

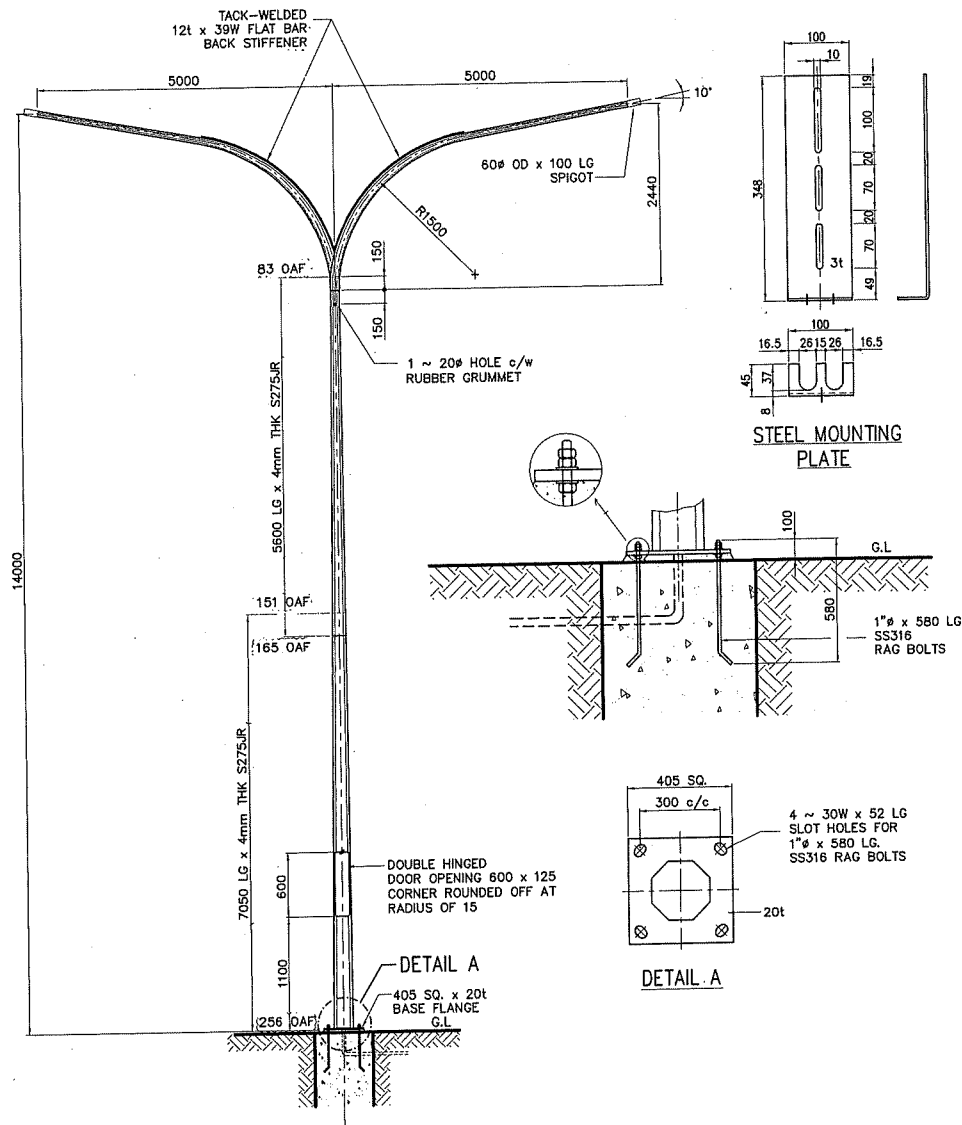
TITLE : 14.0m OCTAGONAL LIGHTING POLE c/w
5.0m SINGLE BRACKET ARM (FLANGED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-040

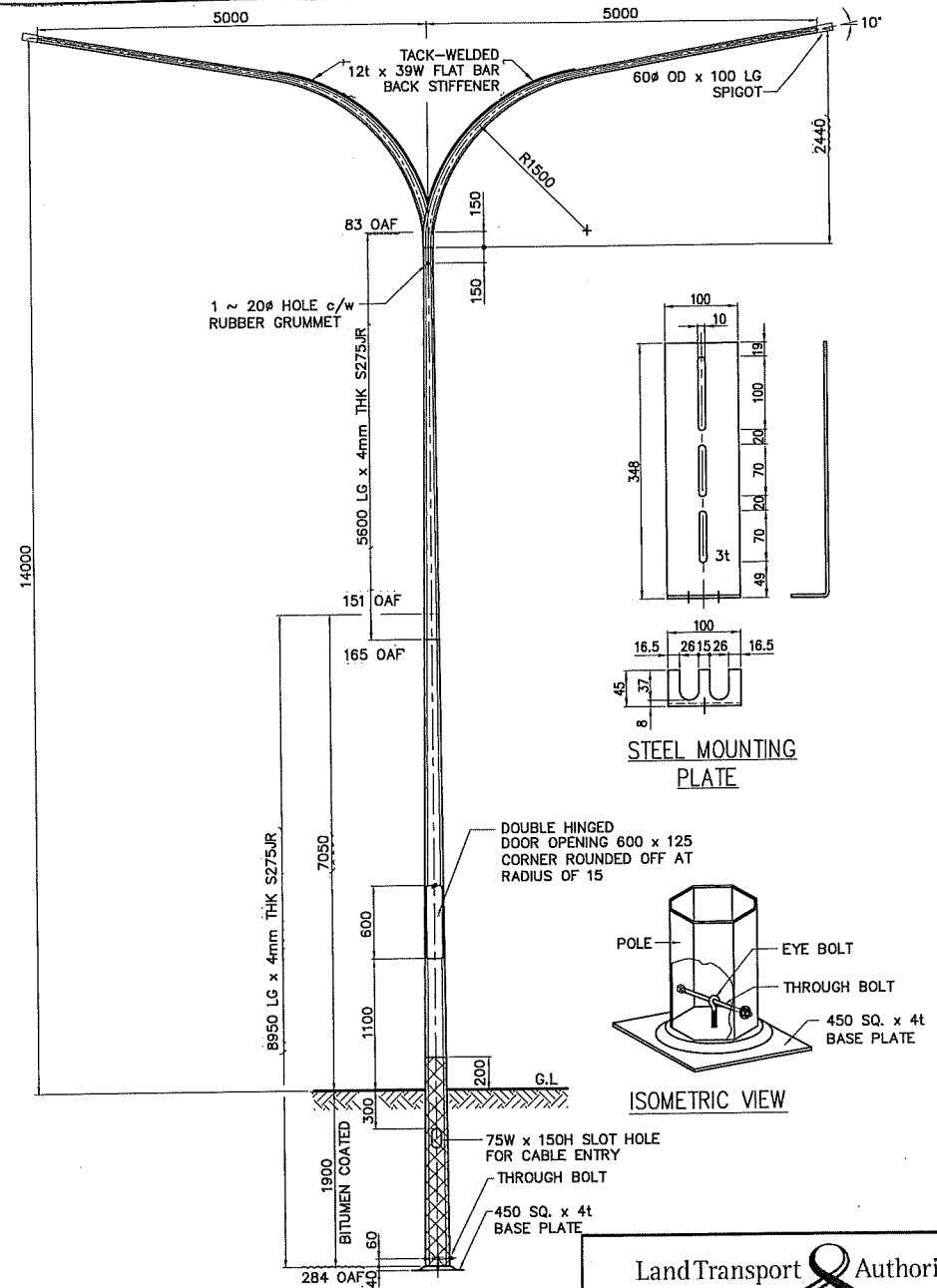
TITLE : 14.0m OCTAGONAL LIGHTING POLE c/w
5.0m SINGLE BRACKET ARM (PLANTED TYPE)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-041

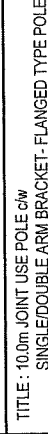
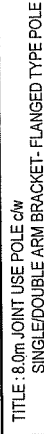
TITLE : 14.0m OCTAGONAL LIGHTING POLE c/w 5.0m
DOUBLE BRACKET ARM (FLANGED TYPE)

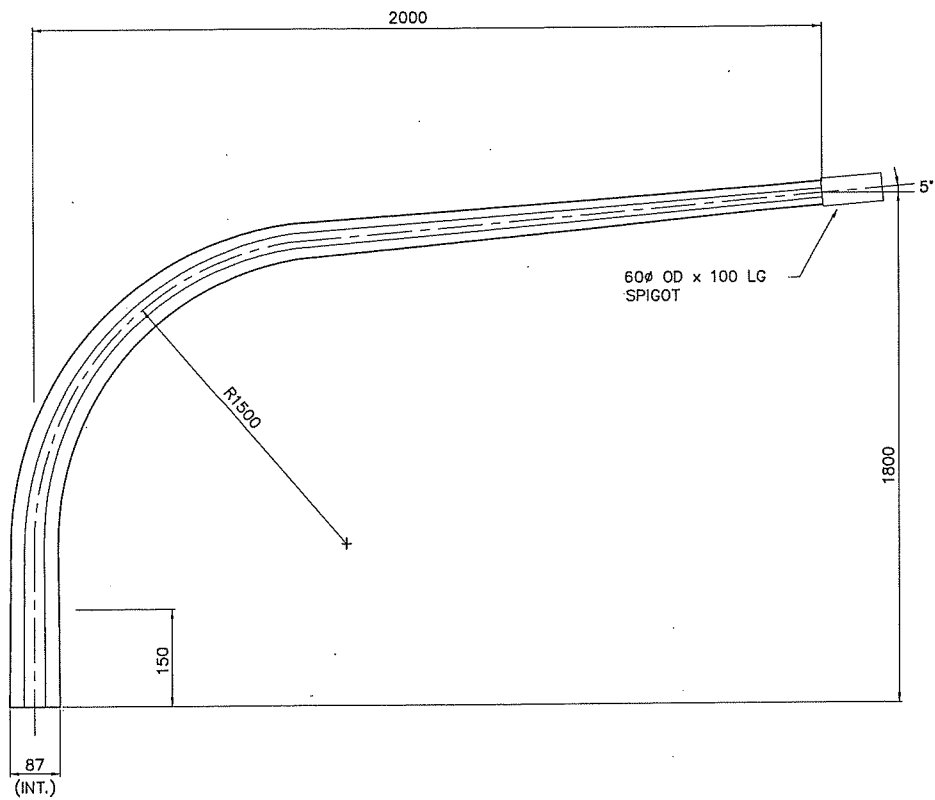


Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-042

TITLE : 14.0m OCTAGONAL LIGHTING POLE c/w 5.0m
DOUBLE BRACKET ARM (PLANTED TYPE)

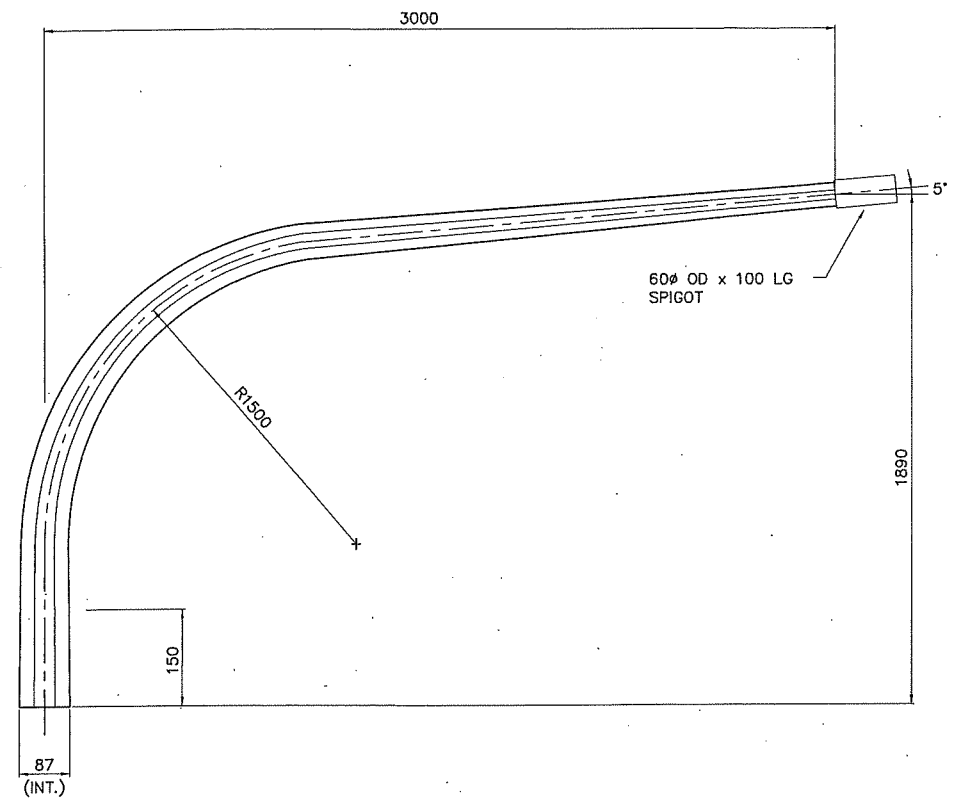




Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-047

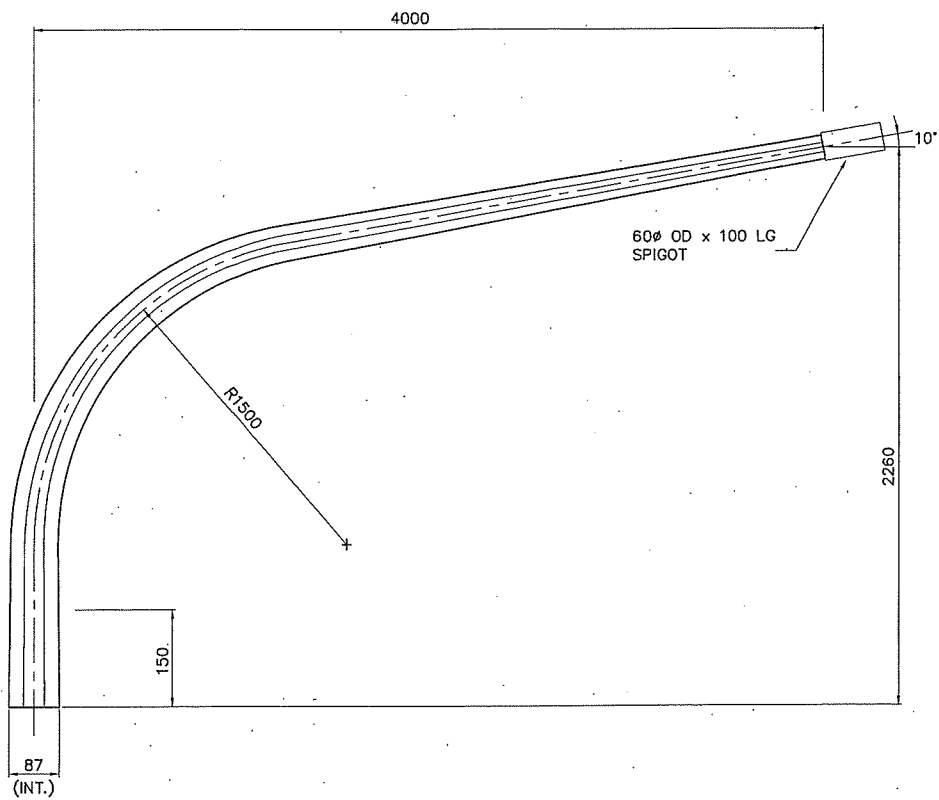
TITLE : 2.0m SINGLE BRACKET FOR
8.5m/10.2m/12.0m/13.0m - FLANGED/PLANTED TYPE POLE



Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-048

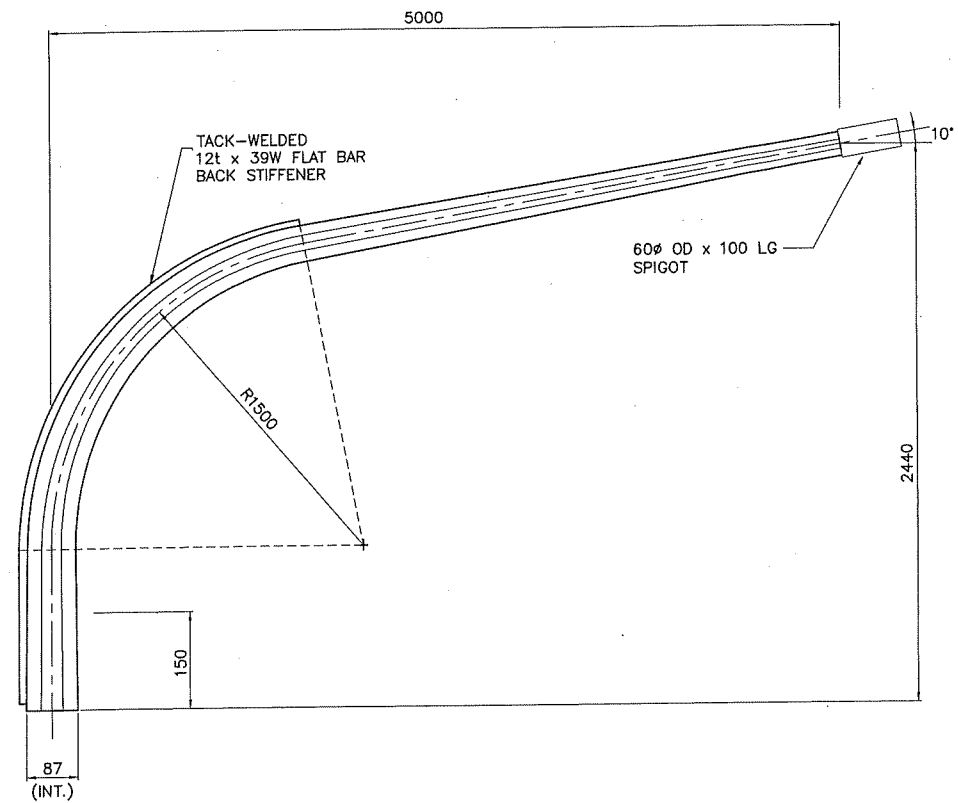
TITLE : 3.0m SINGLE BRACKET FOR
8.5m/10.2m/12.0m/13.0m - FLANGED/PLANTED TYPE POLE



Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-049

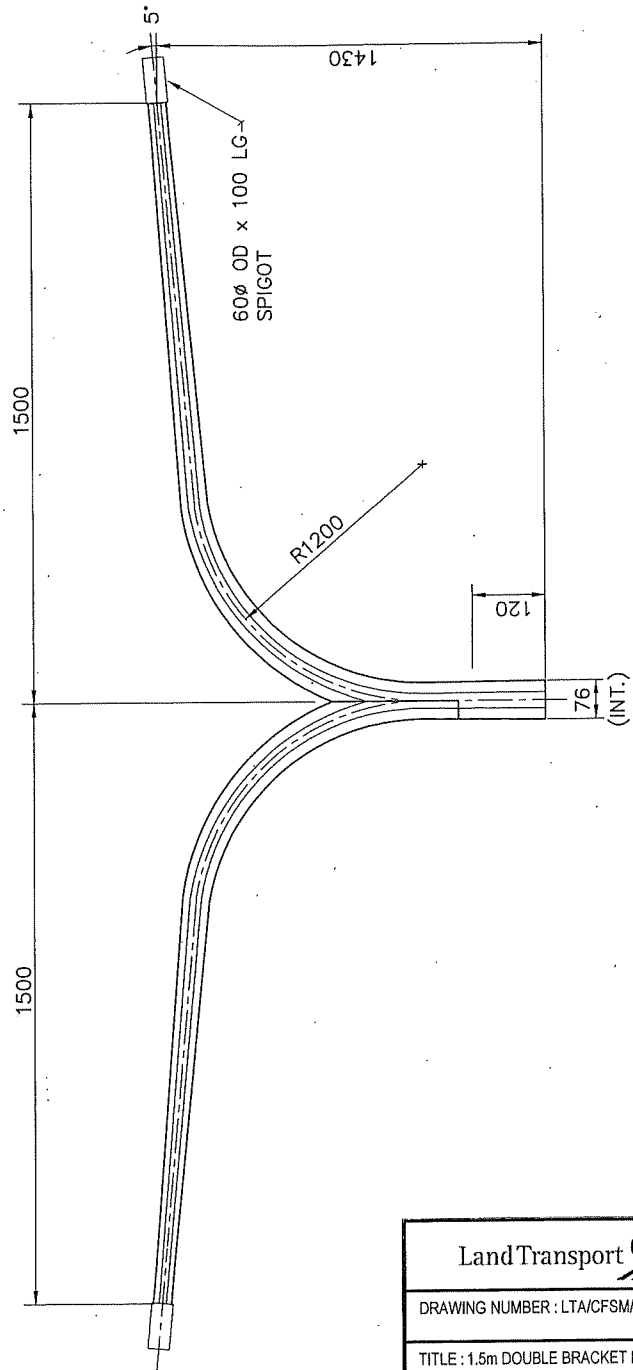
TITLE : 4.0m SINGLE BRACKET FOR
10.2m/12.0m/13.0m - FLANGED/PLANTED TYPE POLE



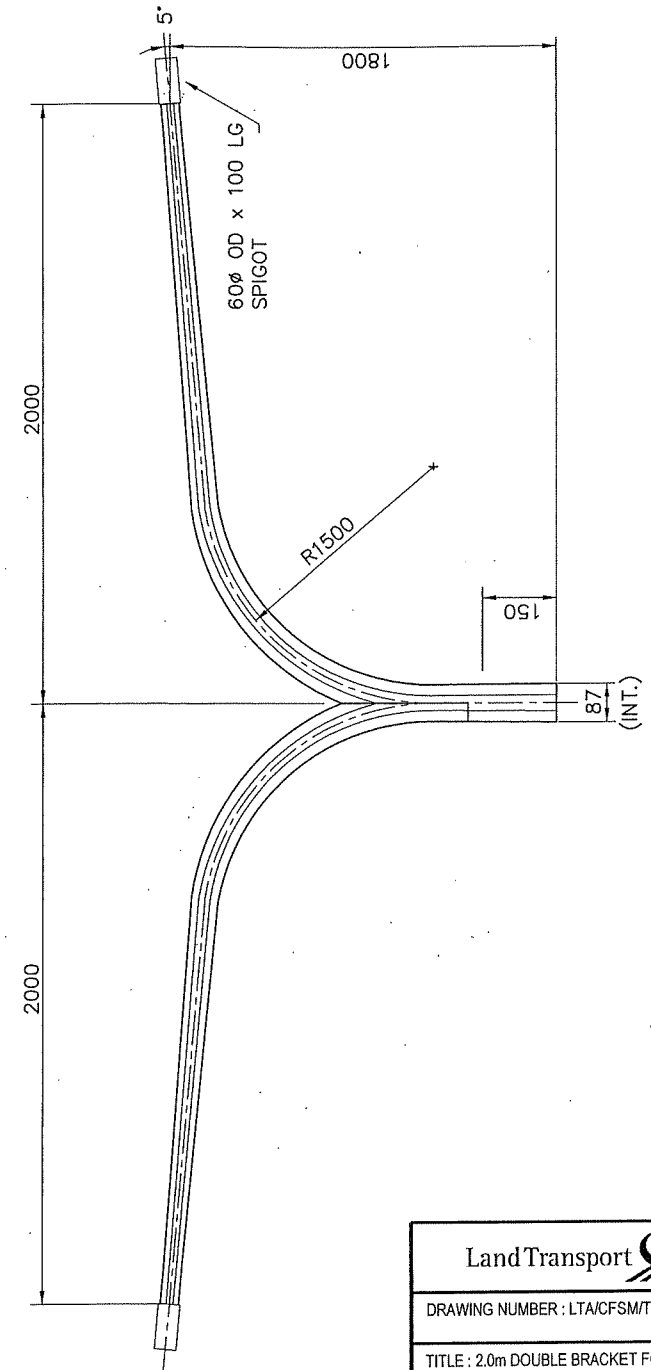
Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-050

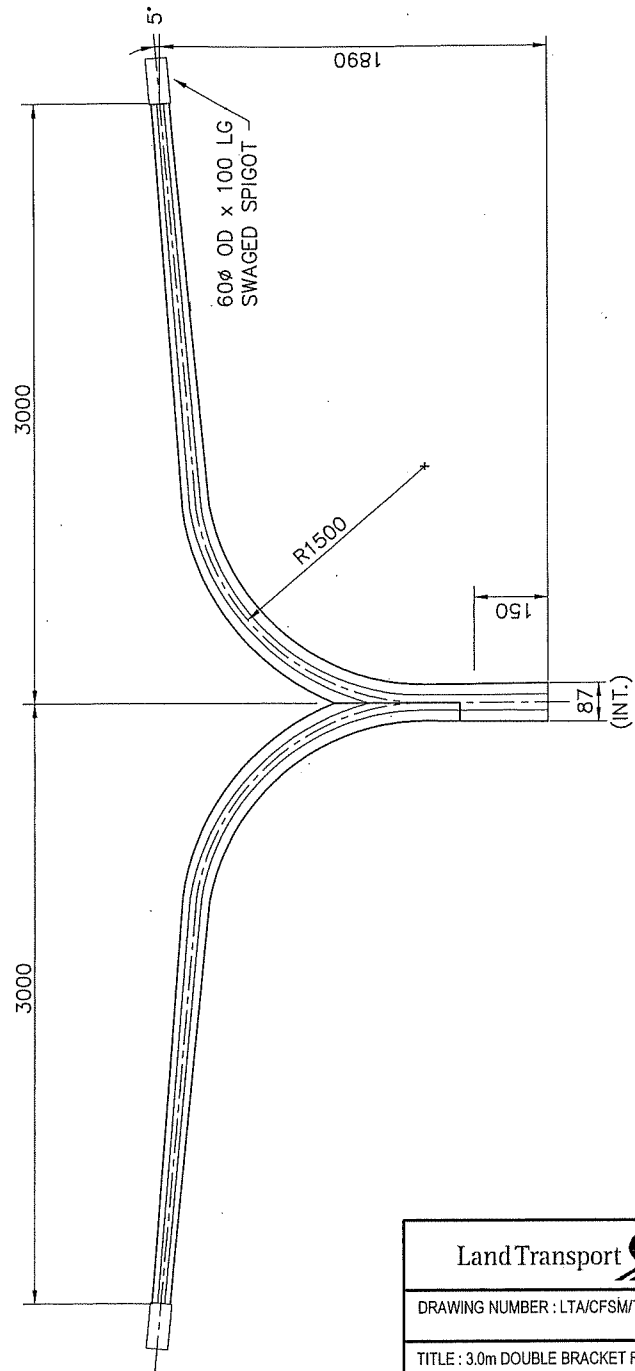
TITLE : 5.0m SINGLE BRACKET FOR
12.0m/13.0m/14.0m - FLANGED/PLANTED TYPE POLE



Land Transport Authority
DRAWING NUMBER : LTA/CFSM/TR302/E-051
TITLE : 1.5m DOUBLE BRACKET FOR 6.0m - FLANGED/PLANTED TYPE POLE



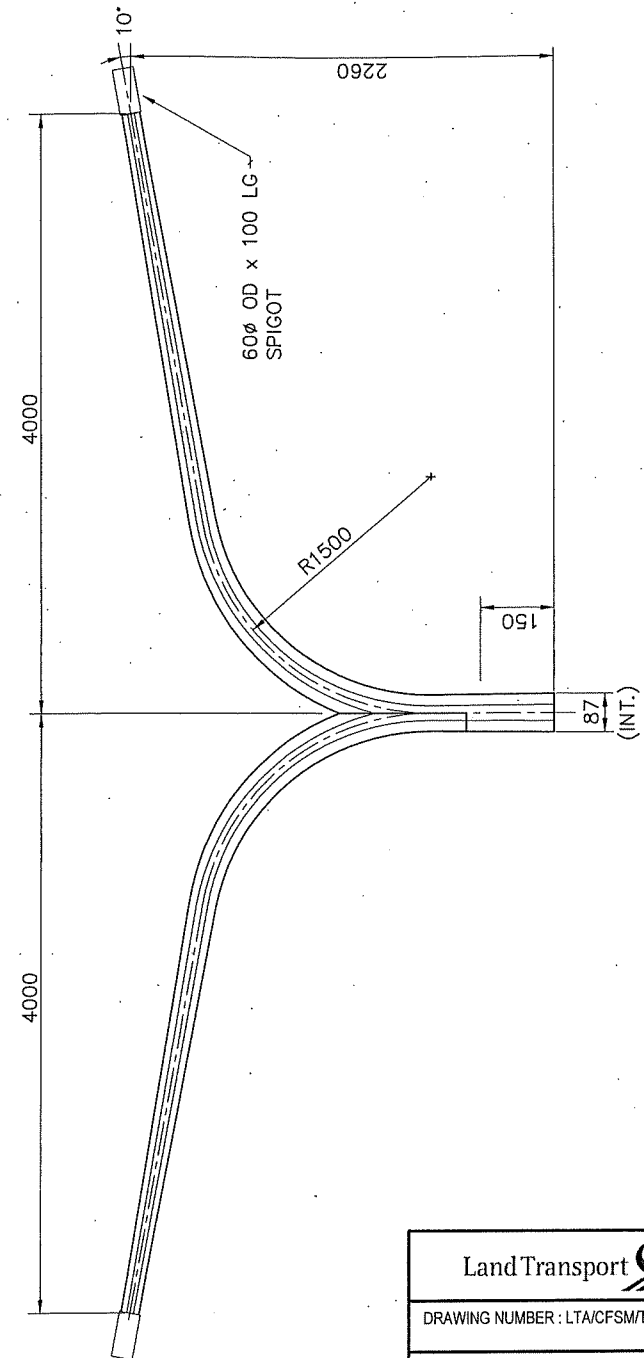
Land Transport Authority
DRAWING NUMBER : LTA/CFSM/TR302/E-052
TITLE : 2.0m DOUBLE BRACKET FOR 8.5m/10.2m/12.0m/13.0m - FLANGED/PLANTED TYPE POLE



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-053

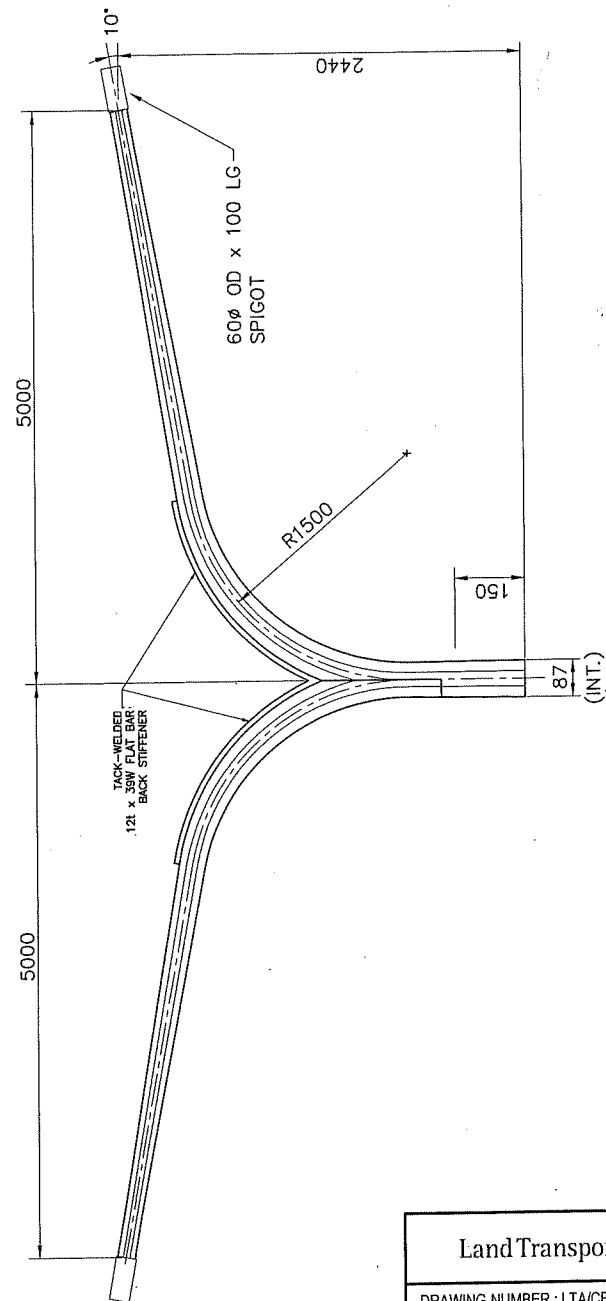
TITLE : 3.0m DOUBLE BRACKET FOR
8.5m/10.2m/12.0m/13.0m - FLANGED/PLANTED TYPE POLE



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-054

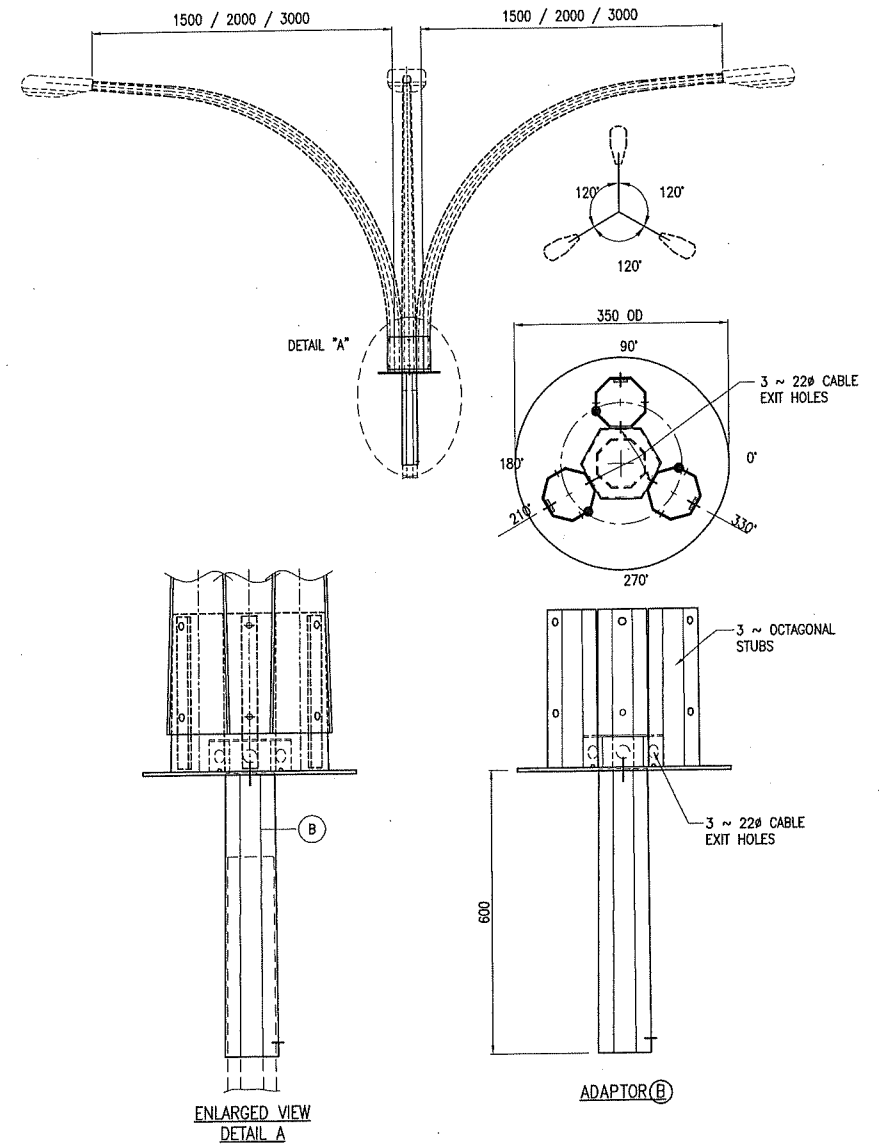
TITLE : 4.0m DOUBLE BRACKET FOR
10.2m/12.0m/13.0m - FLANGED/PLANTED TYPE POLE



Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-055

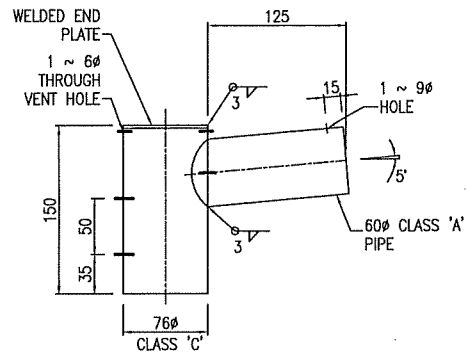
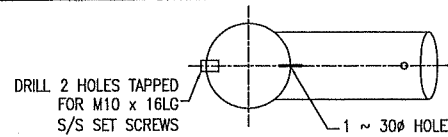
TITLE : 5.0m DOUBLE BRACKET FOR
12.0m/13.0m/14.0m - FLANGED/PLANTED TYPE POLE



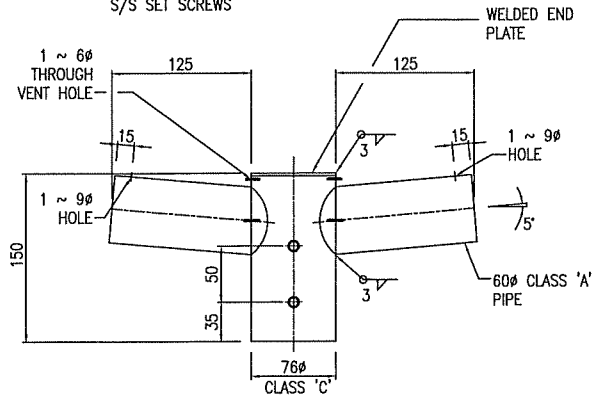
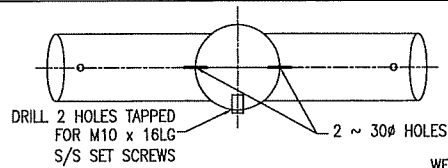
Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-056

TITLE : 1.5m/2.0m/3.0m TRIPLE BRACKET ARM ADAPTOR FOR
8.5m/10.2m/12.0m - FLANGED/PLANTED TYPE POLE



SPA - 125
SINGLE PIPE ADAPTOR



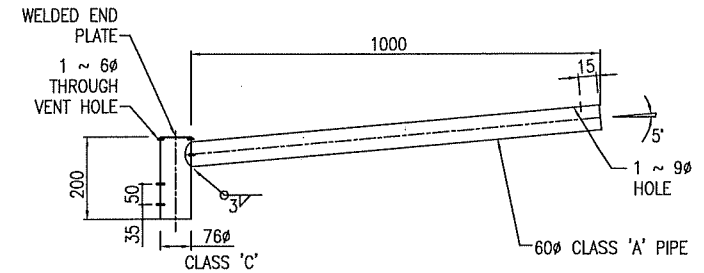
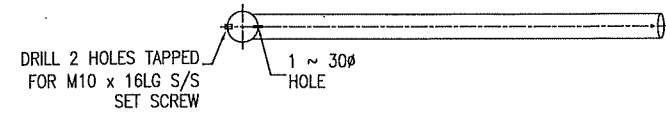
DPA - 125
DOUBLE PIPE ADAPTOR

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

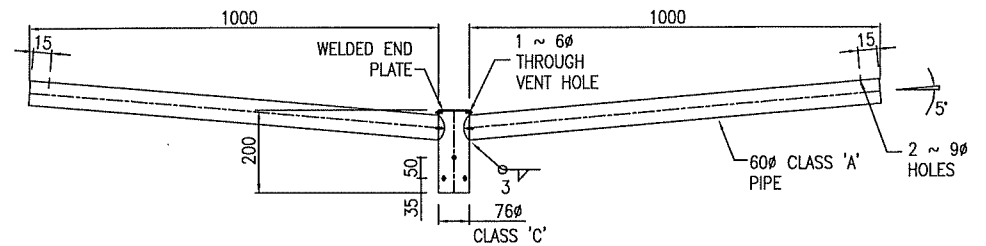
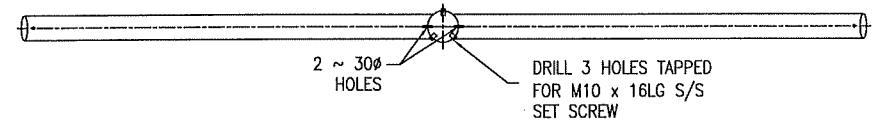
LandTransport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-057

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



SPA - 1000
SINGLE PIPE ADAPTOR



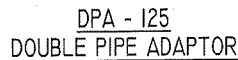
DPA - 1000
DOUBLE PIPE ADAPTOR

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

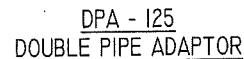
LandTransport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-058

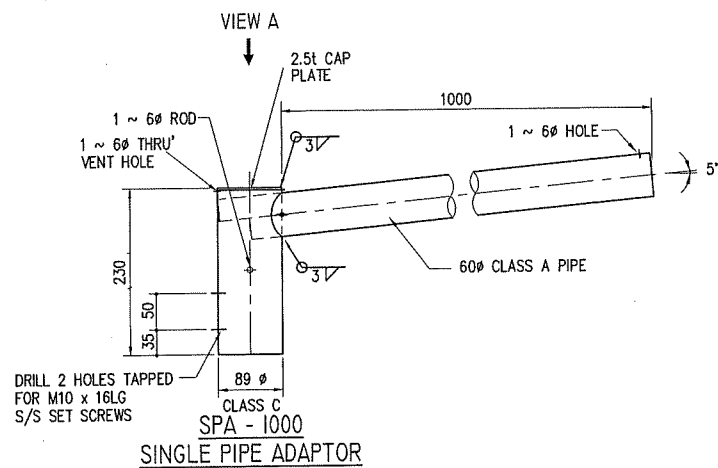
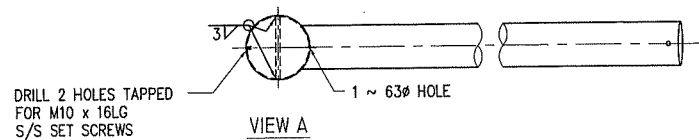
TITLE : 1.0m SINGLE/DOUBLE PIPE ADAPTOR FOR
2.5m/3.0m/3.5m POLE

Land Transport  Authority

TITLE : 0.125m DOUBLE PIPE ADAPTOR FOR
6.0m POLE

Land Transport  Authority

TITLE : 0.125m DOUBLE PIPE ADAPTOR FOR
8.5m/10.2m/12.0m/13m POLE

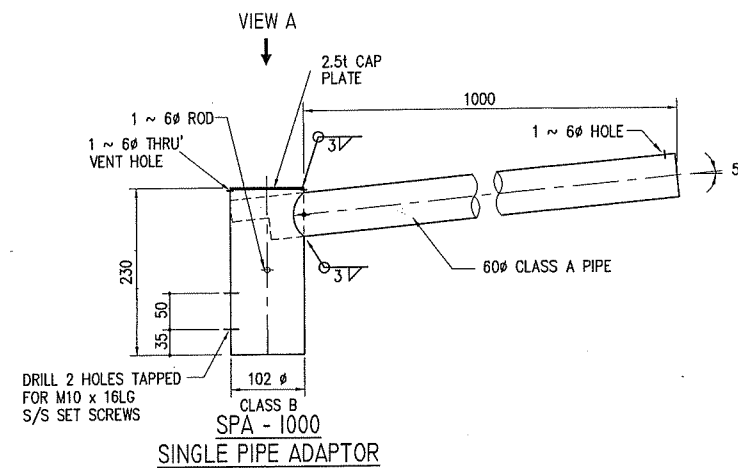
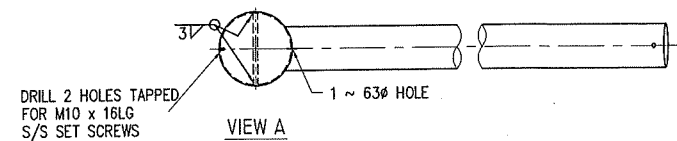


NOTE : FOR 6M LTA POLE

Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-63

TITLE : 1.0m SINGLE PIPE ADAPTOR FOR 6.0m POLE

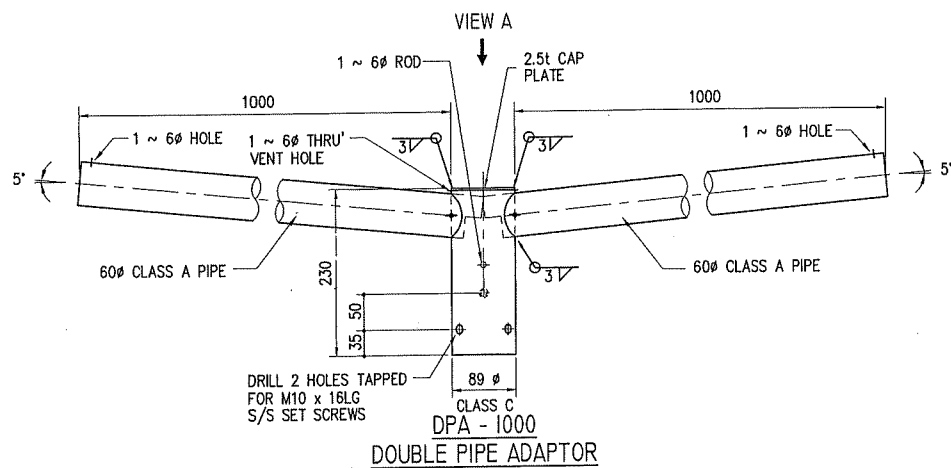
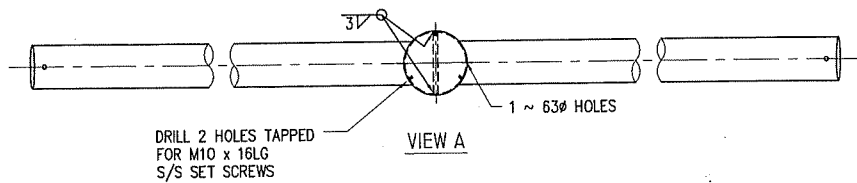


NOTE : FOR 8M, 10M, 12M, & 13M POLE

Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-64

TITLE : 1.0m SINGLE PIPE ADAPTOR FOR 8.5m/10.2m/12.0m/13m POLE

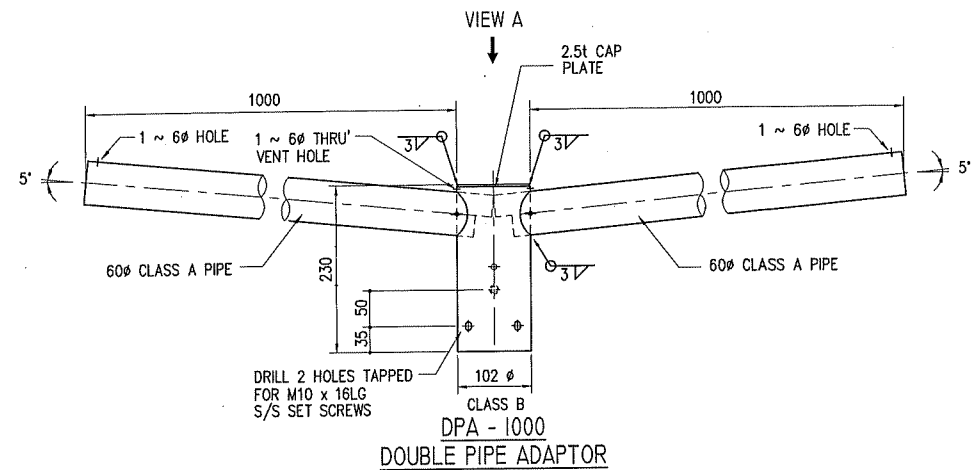
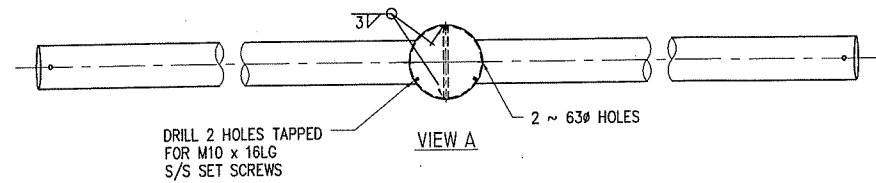


NOTE : FOR 6m LTA POLE

Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-065

TITLE : 1.0m DOUBLE PIPE ADAPTOR FOR 6.0m POLE

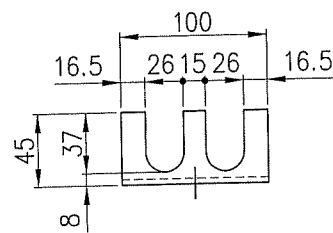
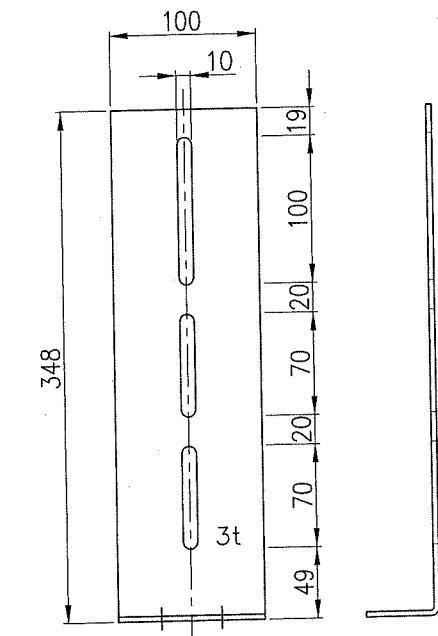


NOTE : FOR 8m, 10m, 12m, & 13m POLE

Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-066

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

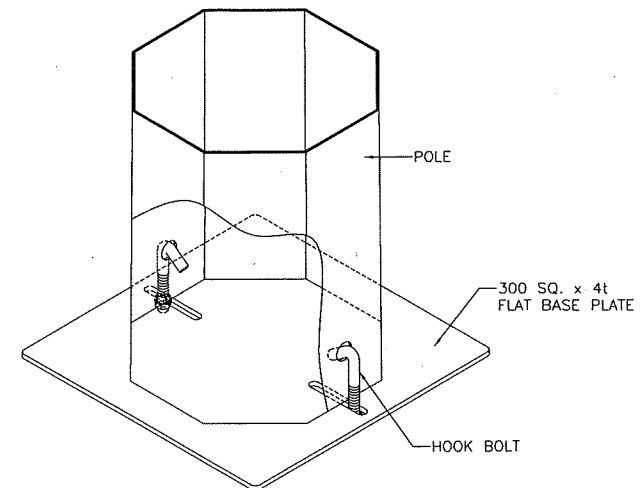


STEEL MOUNTING
PLATE

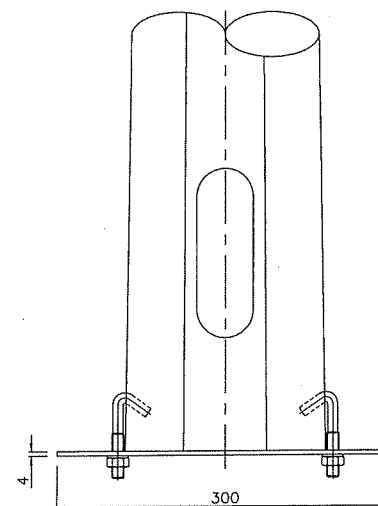
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-067

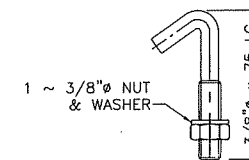
TITLE : STEEL MOUNTING PLATE (TO BE WELDED TO THE POLE)
2.5m/3.0m/3.5m/6.0m/6.5m/10.2m/12.0m/13.0m/14.0m -
FLANGED/PLANTED TYPE POLE



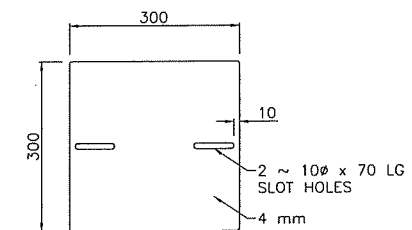
ISOMETRIC VIEW



ELEVATION



HDG Gr 4.6 MS HOOK BOLT

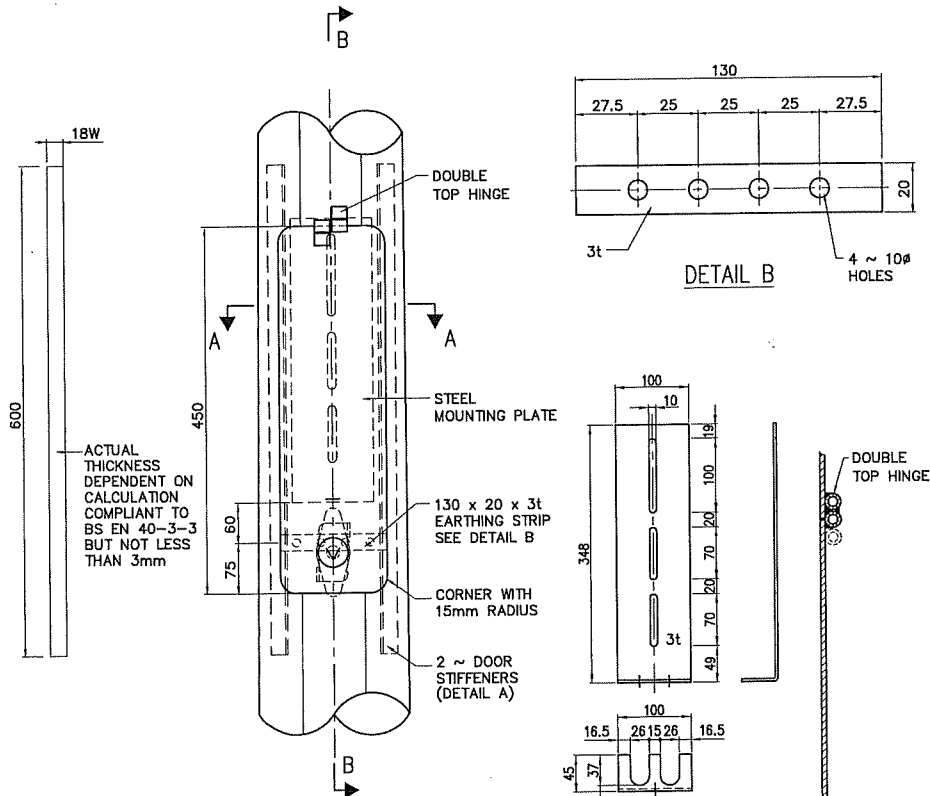


FLAT BASE PLATE

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-068

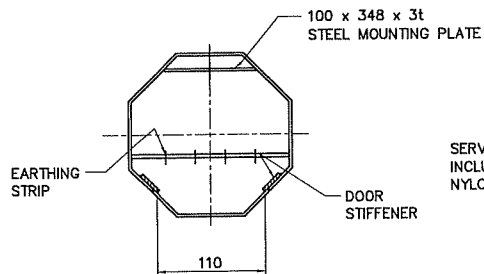
TITLE : BASE PLATE
2.5m/3.0m/3.5m - PLANTED TYPE POLE



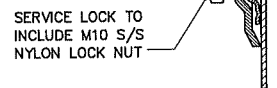
DETAIL A

DETAIL OF FLUSHED DOOR

STEEL MOUNTING PLATE



SECTION A-A

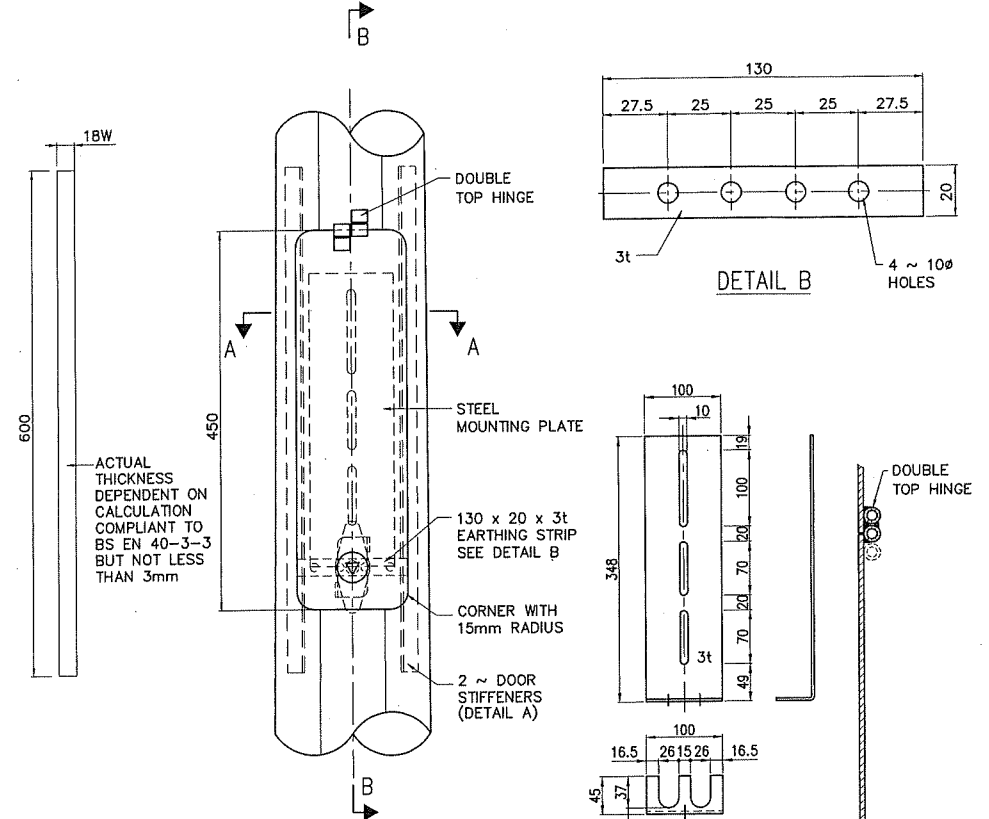


SECTION B-B

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-069

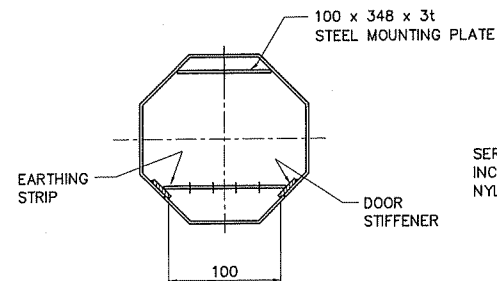
TITLE : DETAIL OF SERVICE DOOR, DOOR COVER AND DOOR LOCK 2.5m/3.0m/3.5m - FLANGED/PLANTED TYPE POLE



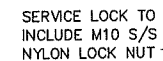
DETAIL A

DETAIL OF FLUSHED DOOR

STEEL MOUNTING PLATE



SECTION A-A

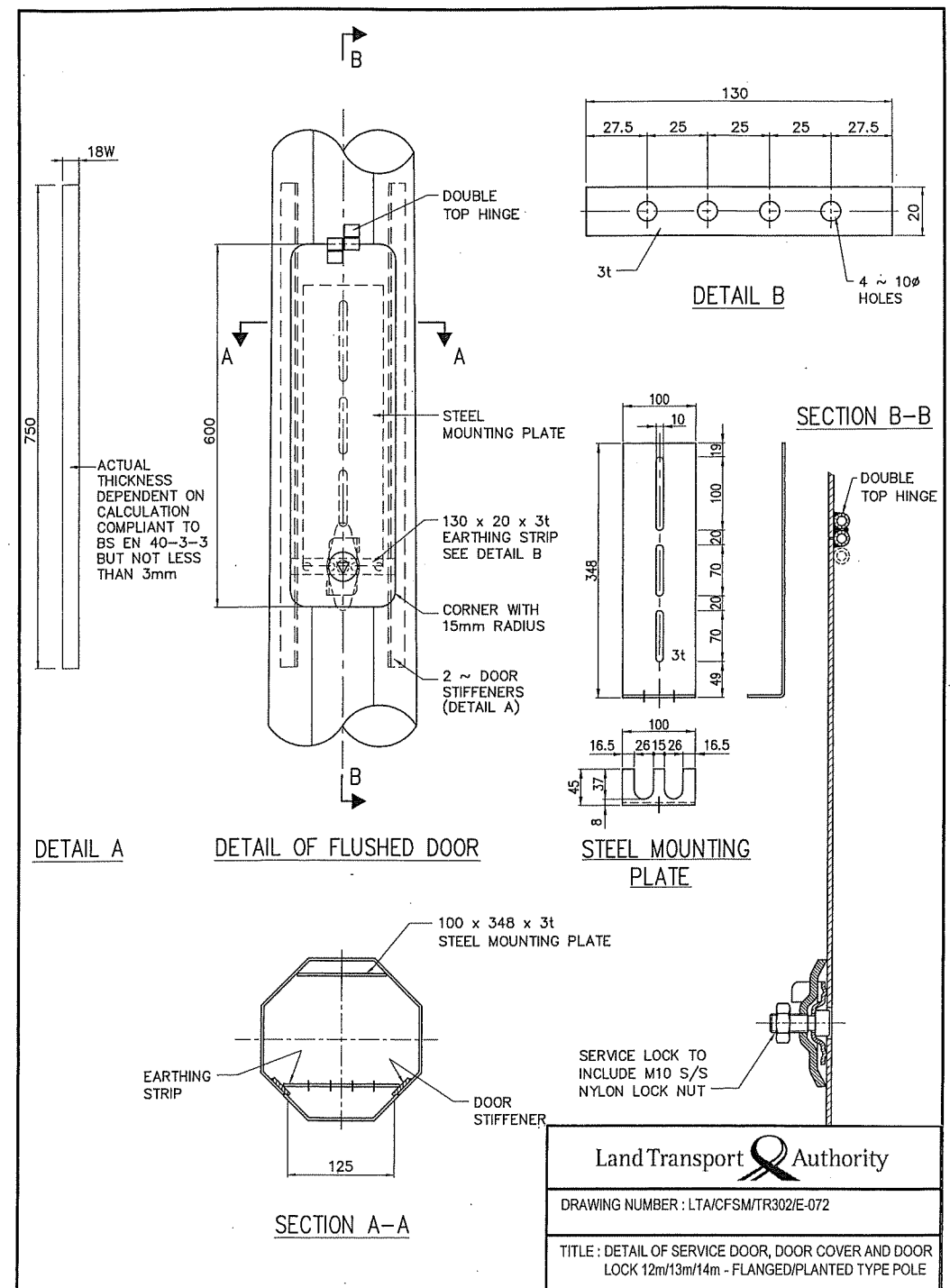
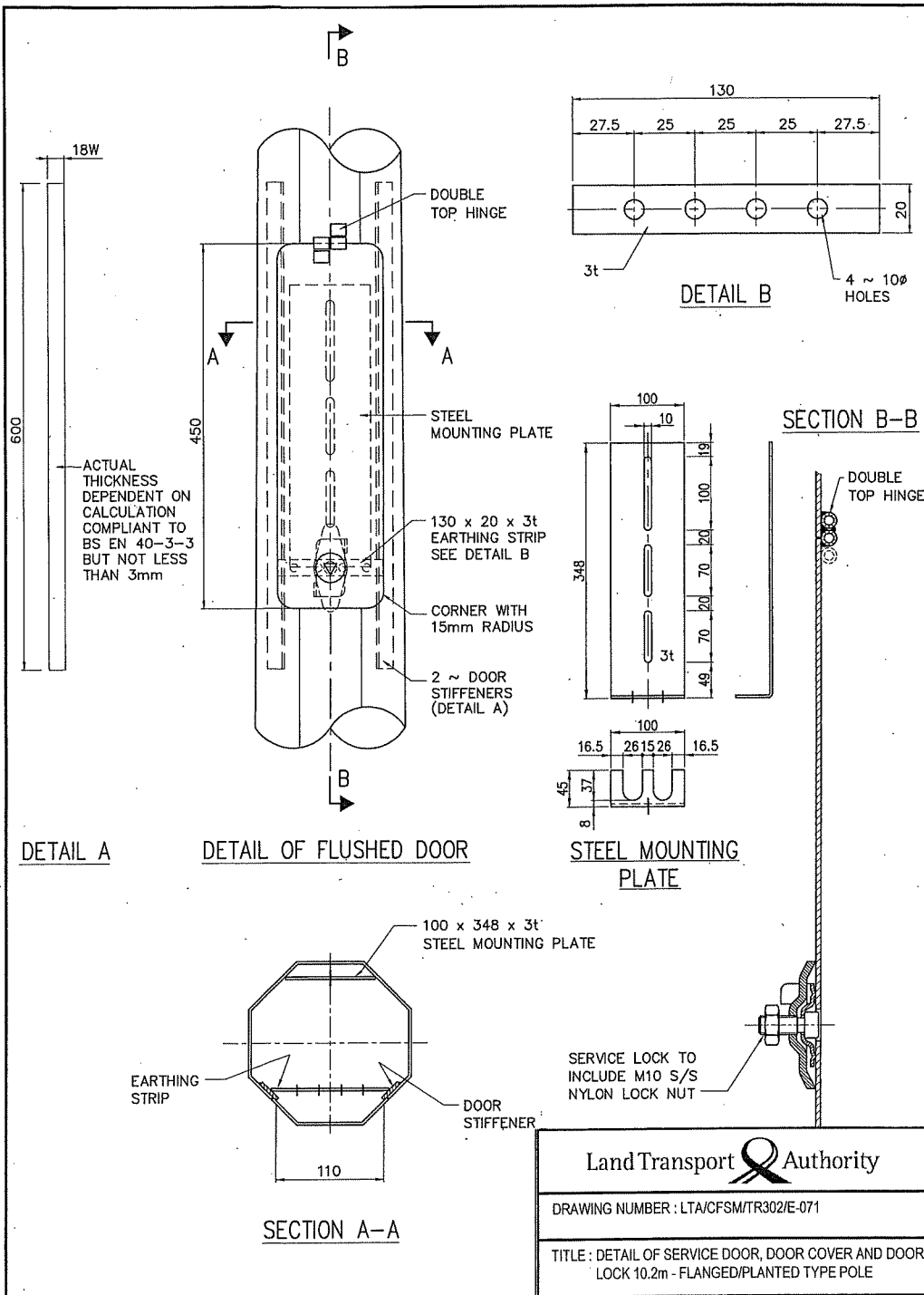


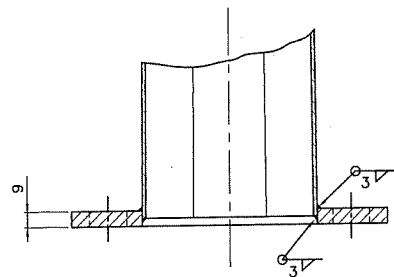
SECTION B-B

Land Transport Authority

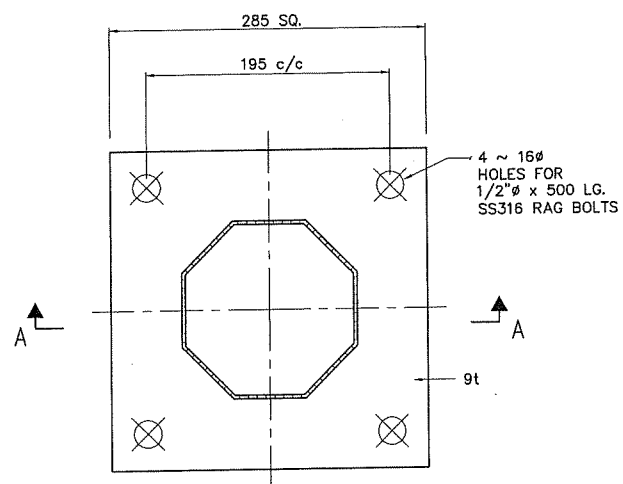
DRAWING NUMBER : LTA/CFSM/TR302/E-070

TITLE : DETAIL OF SERVICE DOOR, DOOR COVER AND DOOR LOCK 6.0m/8.5m - FLANGED/PLANTED TYPE POLE





SECTION A-A

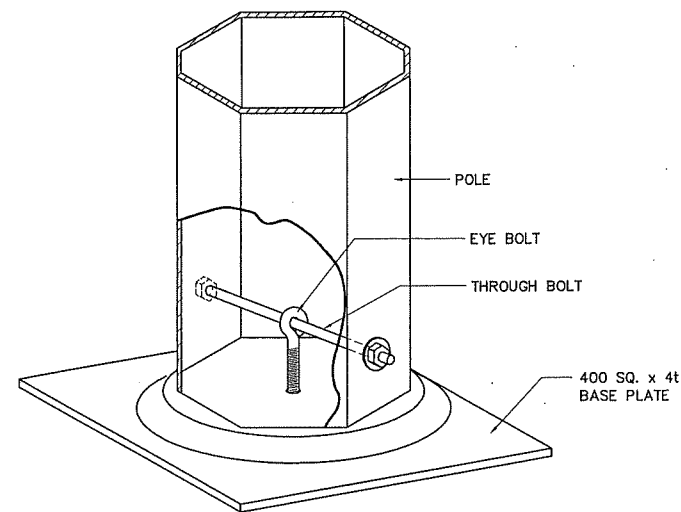


BASE FLANGE

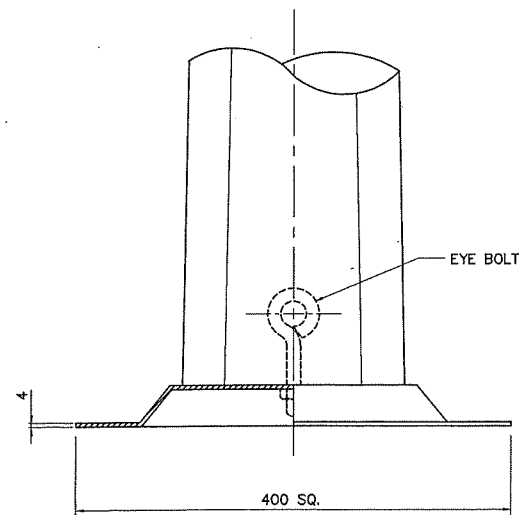
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-073

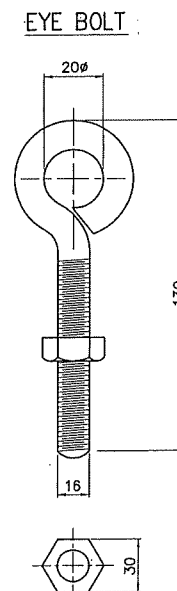
TITLE : BASE FLANGE
2.5m/3.0m/3.5m - FLANGED TYPE POLE



ISOMETRIC VIEW



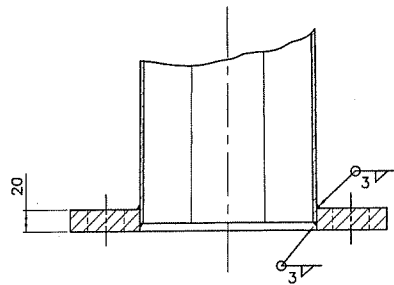
ELEVATION



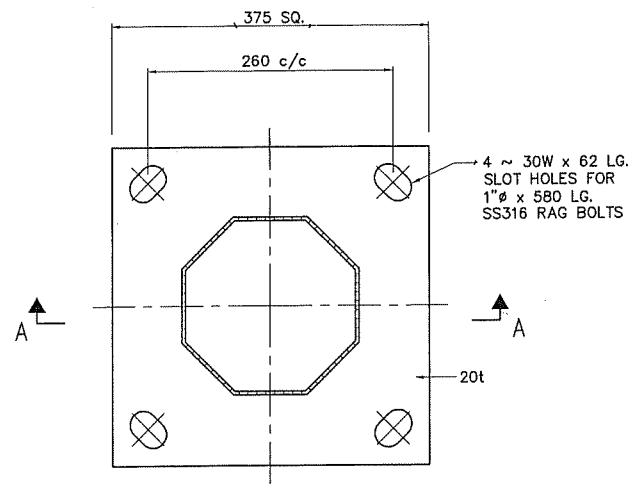
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-074

TITLE : BASE PLATE
6.0m - PLANTED TYPE POLE



SECTION A-A

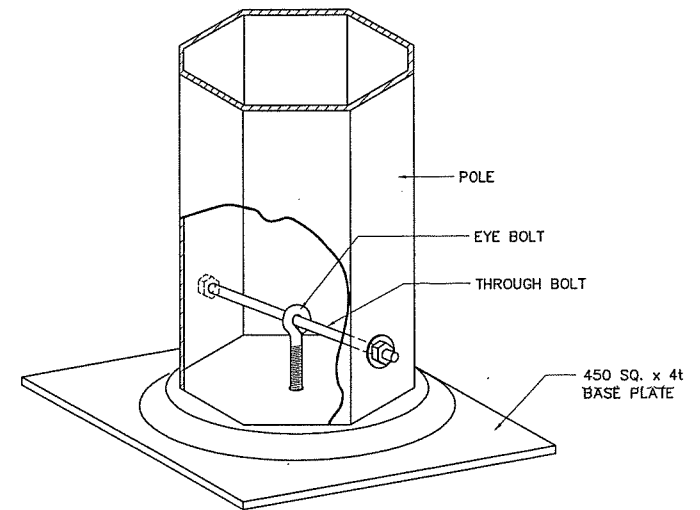


BASE FLANGE

Land Transport Authority

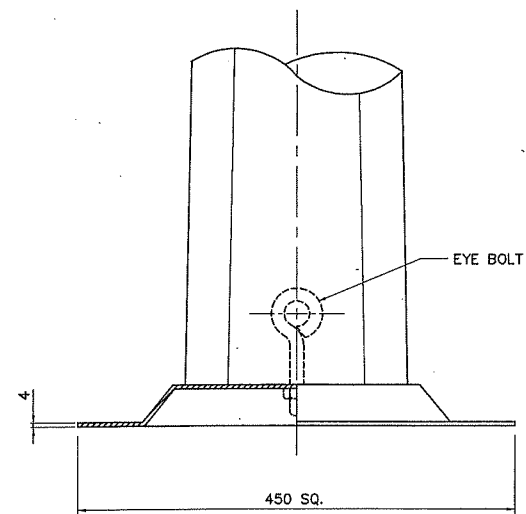
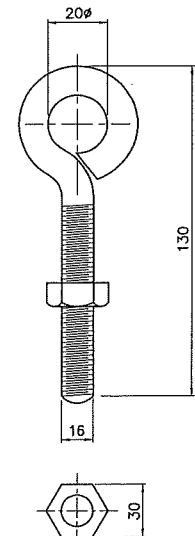
DRAWING NUMBER : LTA/CFSM/TR302/E-075

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



ISOMETRIC VIEW

EYE BOLT

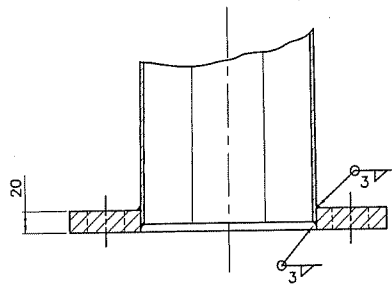


ELEVATION

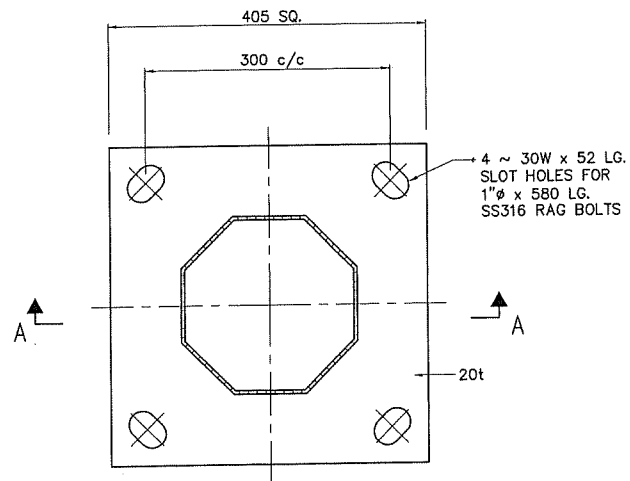
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-076

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



SECTION A-A

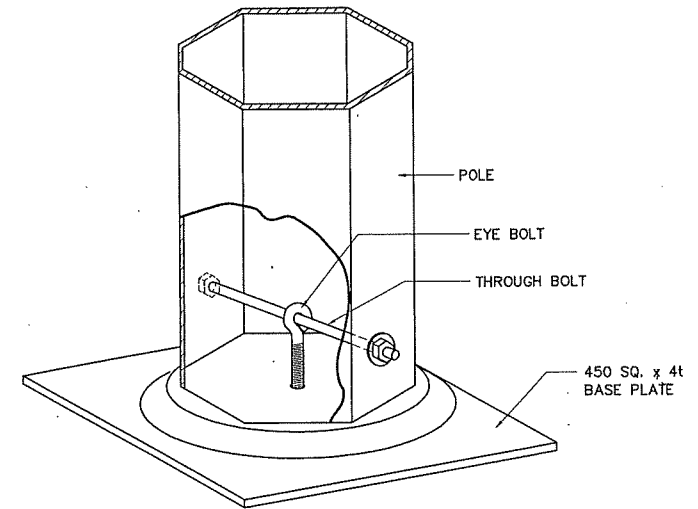


BASE FLANGE

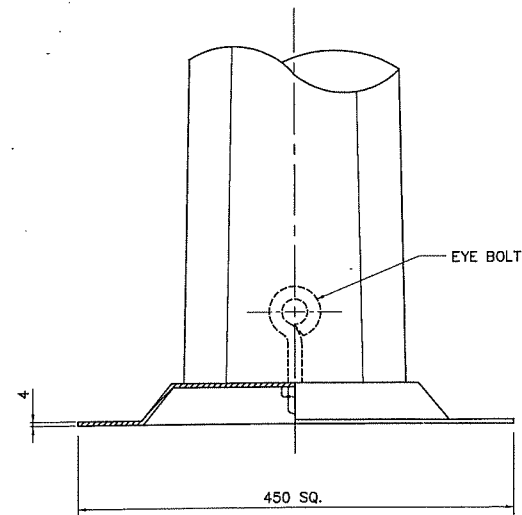
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-077

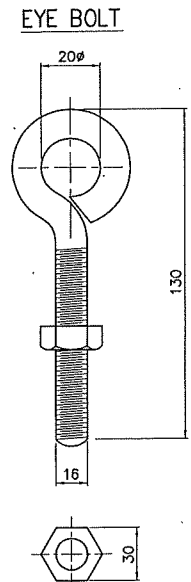
TITLE : BASE FLANGE
12.0m/13.0m/14.0m - FLANGED TYPE POLE



ISOMETRIC VIEW



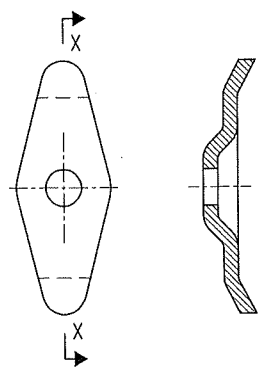
ELEVATION



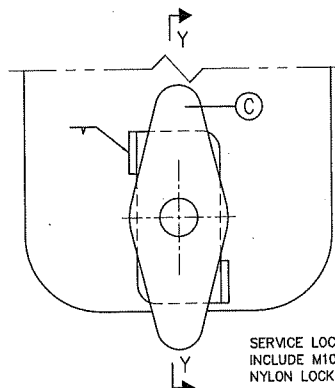
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-078

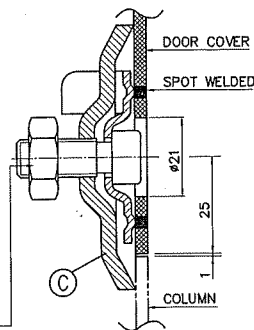
TITLE : BASE PLATE
12.0m/13.0m/14.0m - PLANTED TYPE POLE



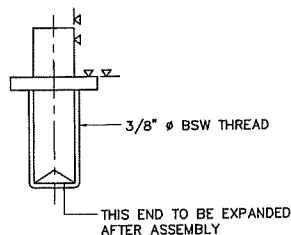
FRONT
SECTION X-X
DETAIL C - LOCK CLIP



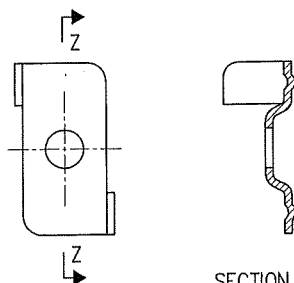
INSIDE VIEW OF LOCK
ASSEMBLY OF SLC ANTI VANDALISM LOCK



SECTION Y-Y

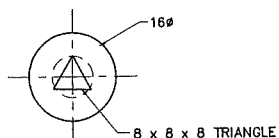


FRONT



SECTION Z-Z

LOCK CLIP STOPPER FOR PUBLIC LIGHTING POLE

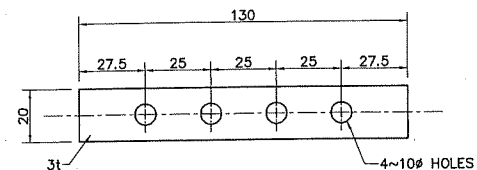


PLAN

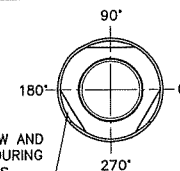
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-079

TITLE : SERVICE LOCK FOR LIGHTING POLE
2.5m/3.0m/3.5m/6.0m/8.5m/10.2m/12.0m/13.0m/14.0m -
FLANGED/PLANTED TYPE POLE

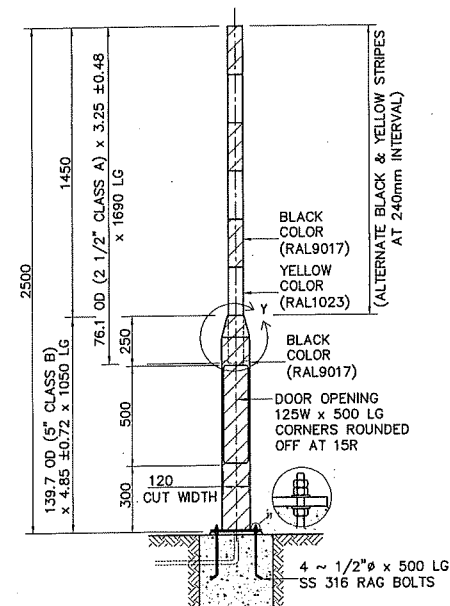


EARTHING STRIP



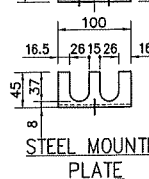
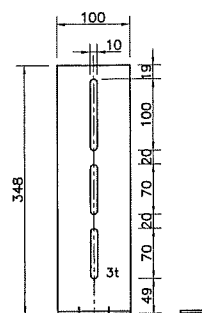
3 ~ CUT-OUT
FOR ZINC FLOW AND
VENT HOLES DURING
GALV. PROCESS

SECTION J-J

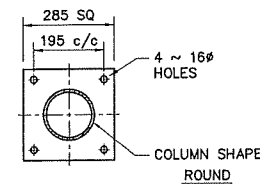


RADIUSED CORNERS
TO 15R

DETAIL Y



STEEL MOUNTING
PLATE



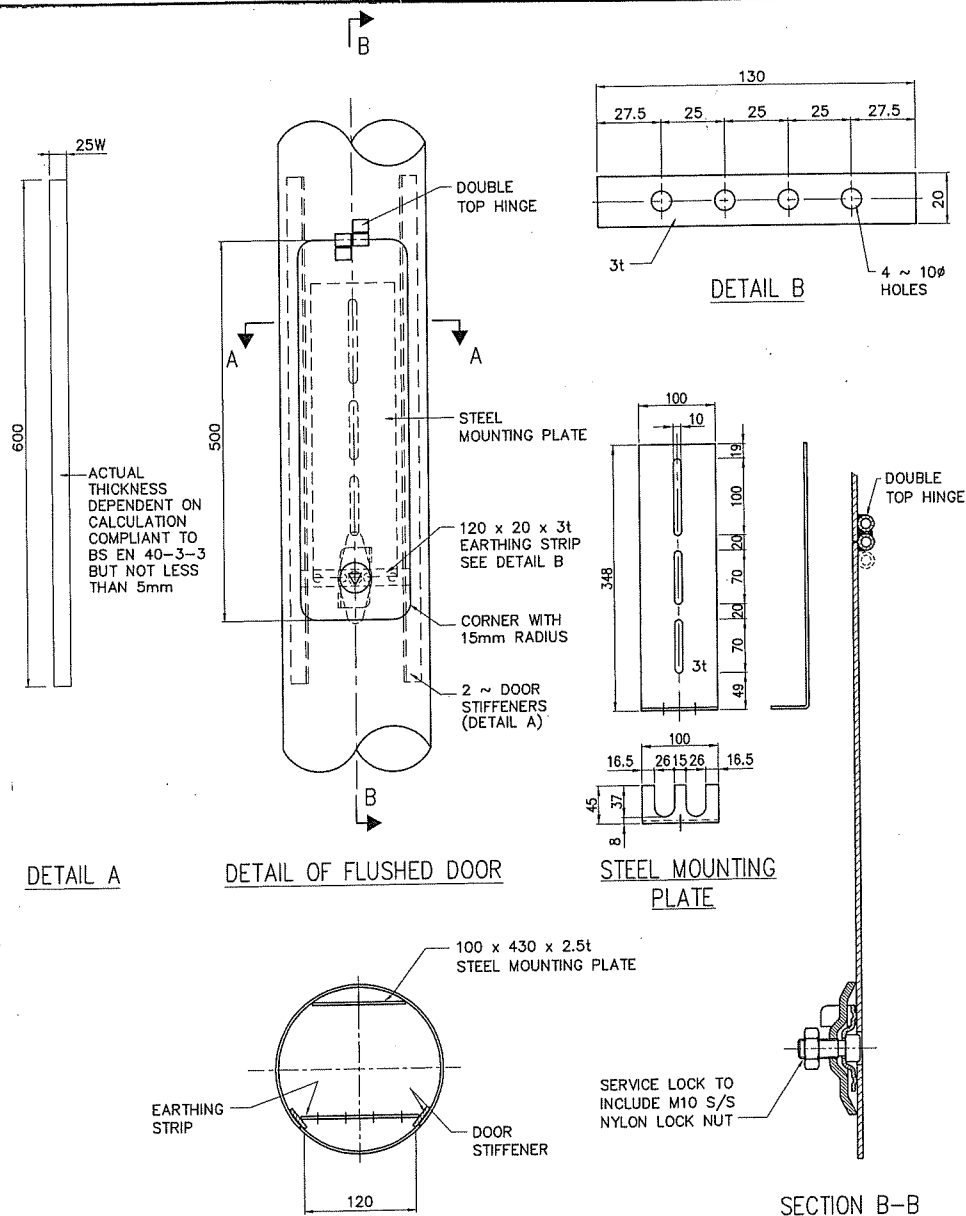
BASE FLANGE

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-080

TITLE : 2.5m FLASHING BEACON POLE
(FLANGED TYPE)

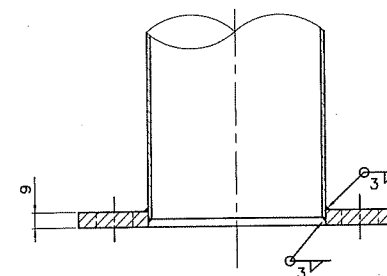
TITLE : 2.555m EXTENSION POLE



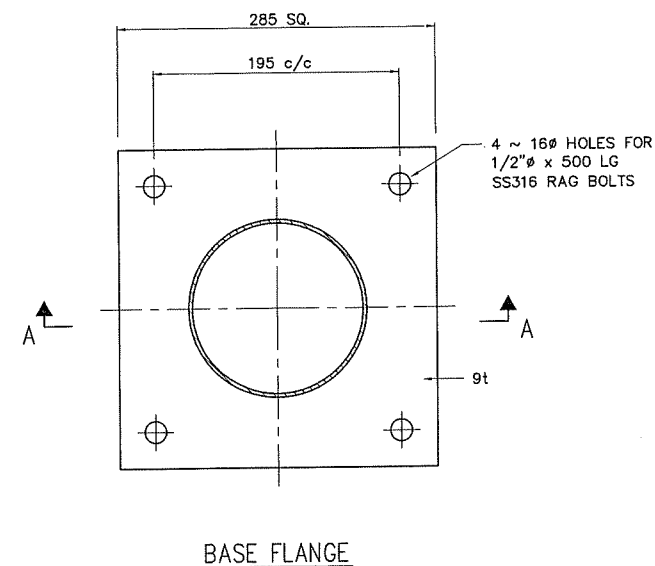
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-083

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



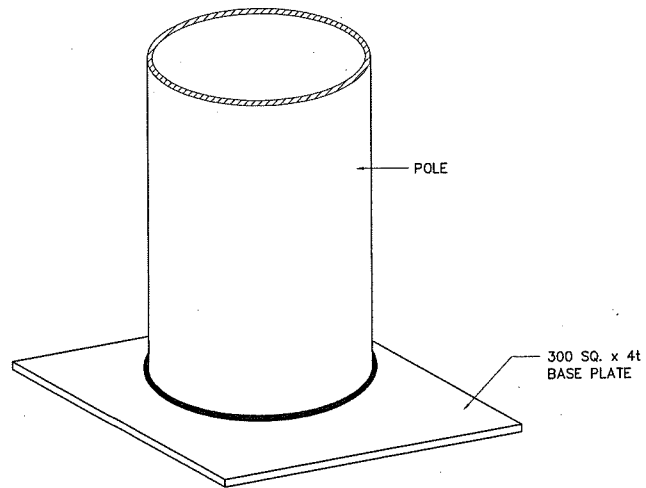
SECTION A-A



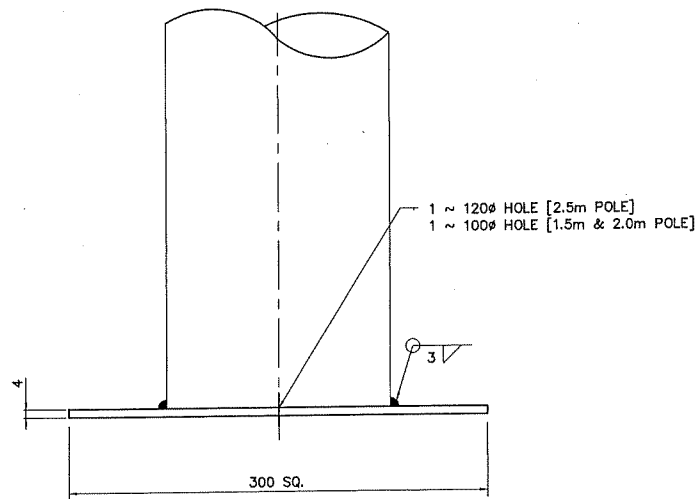
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-084

TITLE : BASE FLANGE 2.5m - FLANGED TYPE ZEBRA POLE



ISOMETRIC VIEW

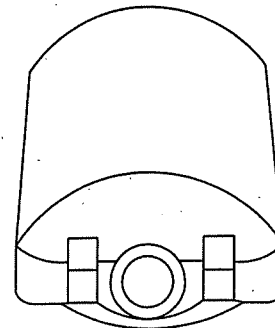
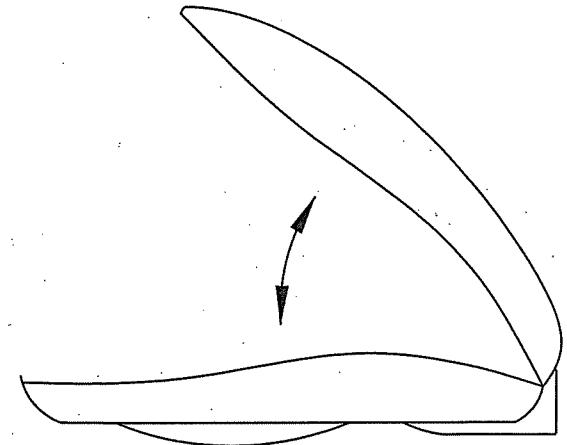
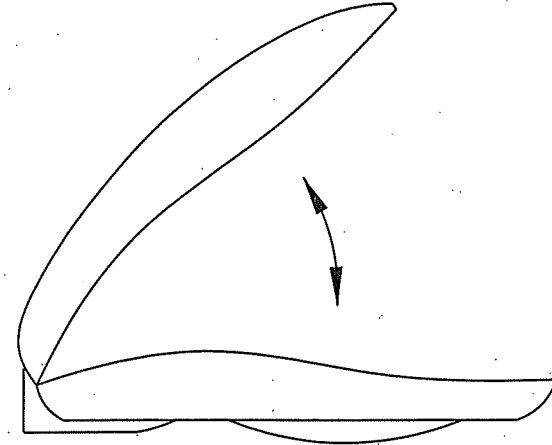


ELEVATION

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-085

TITLE : BASE PLATE
2.5m - PLANTED TYPE ZEBRA POLE



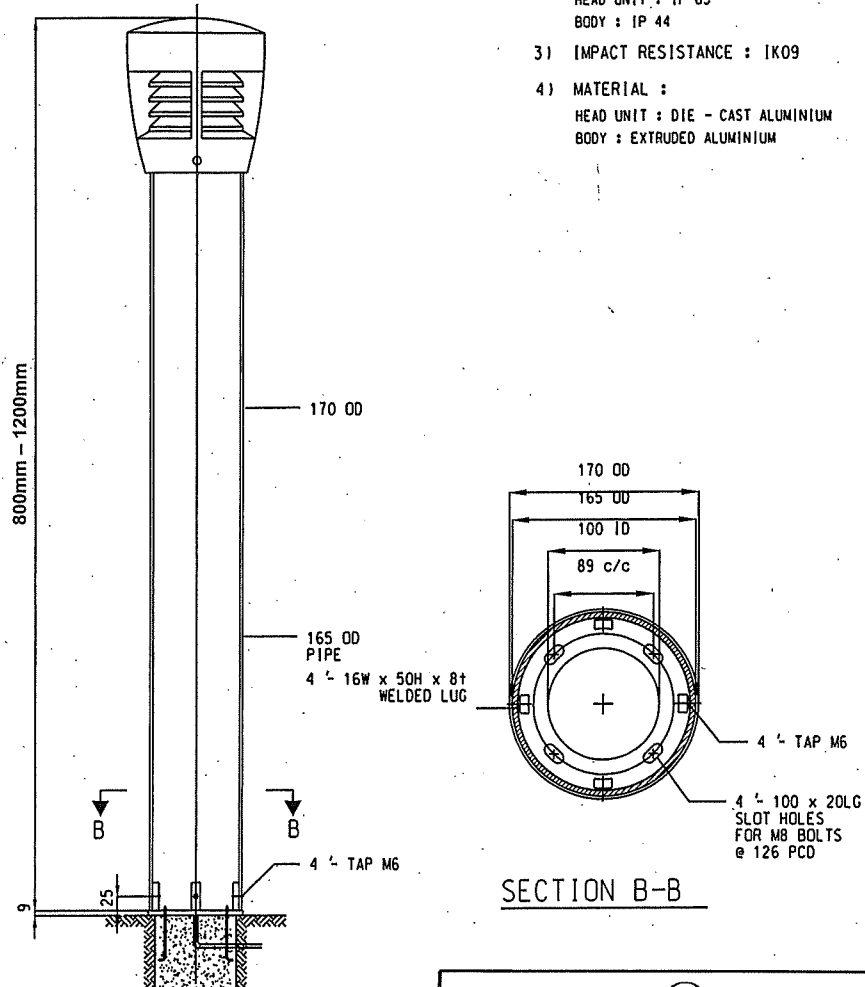
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-086

TITLE : IP66 LUMINAIRE IN TOP OPENING POSITION

TECHNICAL SPECIFICATION

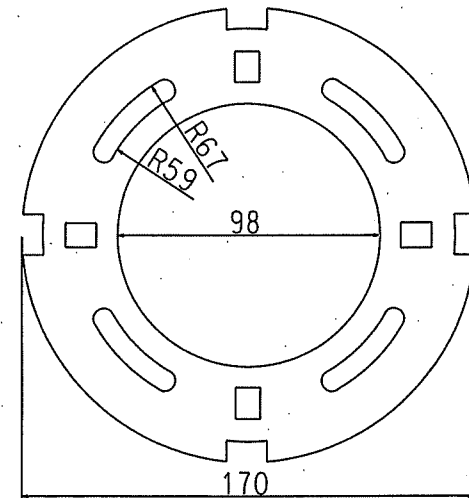
- 1) COMPLY TO : IEC60598
- 2) INGRESS PROTECTION :
HEAD UNIT : IP 65
BODY : IP 44
- 3) IMPACT RESISTANCE : IK09
- 4) MATERIAL :
HEAD UNIT : DIE - CAST ALUMINIUM
BODY : EXTRUDED ALUMINIUM



Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-087

TITLE : TYPICAL BOLLARD LIGHTING

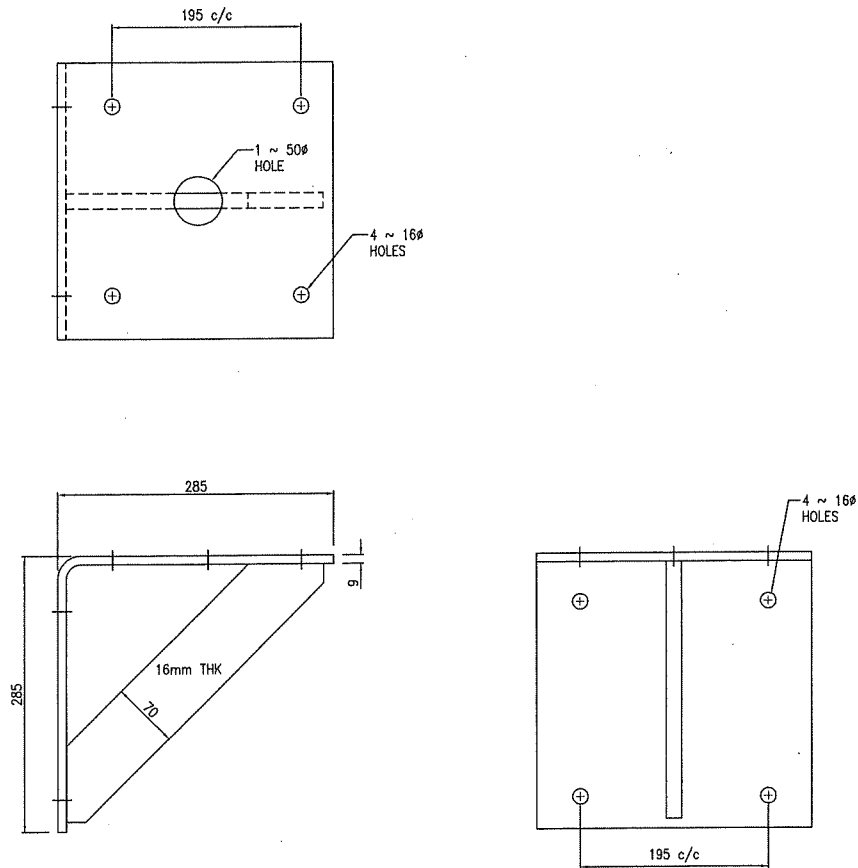


Bollard Baseplate Dimensions

Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-088

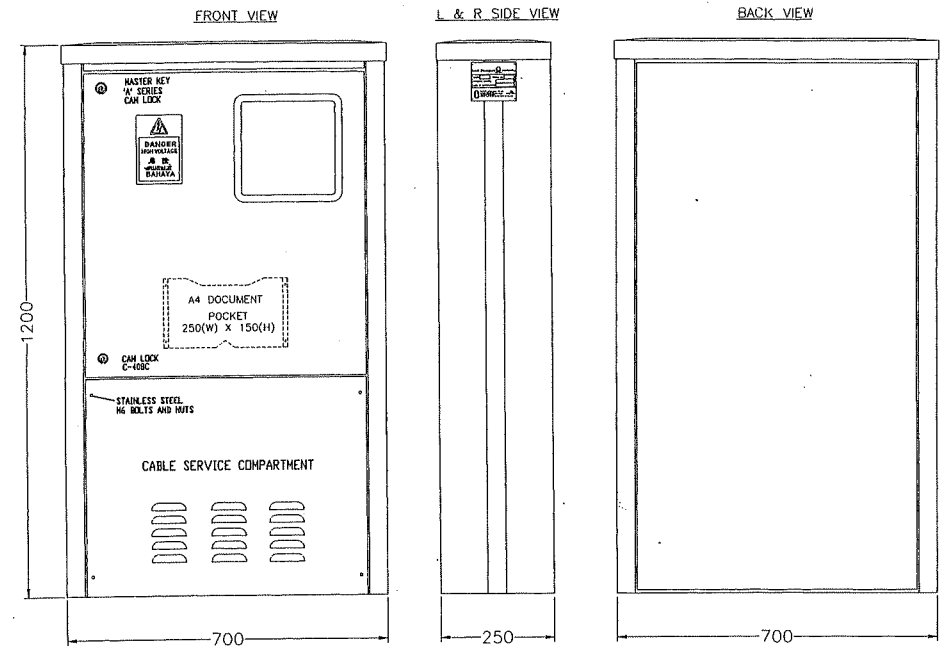
TITLE : TYPICAL BOLLARD BASE PLATE



Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-089

TITLE : TYPICAL BOLLARD SUPPORTING BRACKET



Construction: Modular Structure Design For Outdoor(Front Access Only)
Extrusion Pillar Aluminum Alloy-AA6063

Degree of Protection: IP55

Material: Aluminium Alloy

Thickness: 3.0mm

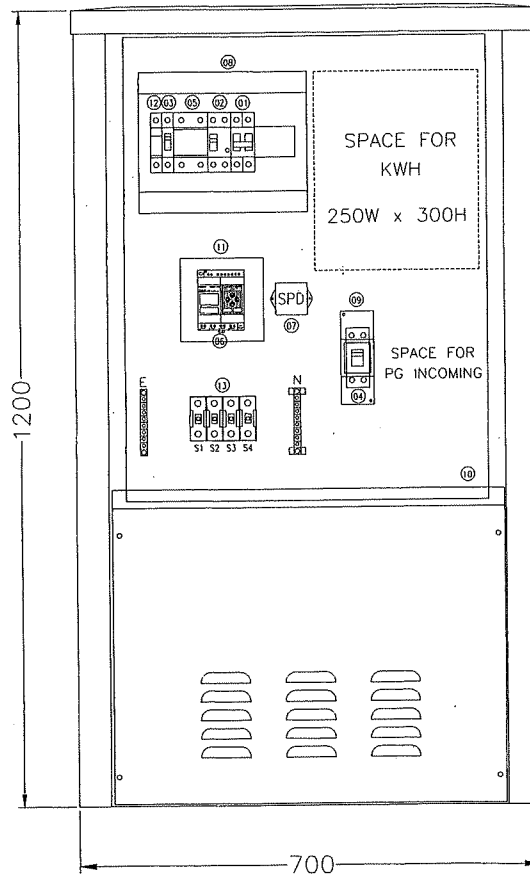
Finishing: Polyester Powder Coating Standard Colour
(RAL 7039) For Pillars And Roof,
(RAL 7032) For Others.

Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-090

TITLE : TYPICAL SINGLE-PHASE LIGHTING CONTROL BOX

INTERNAL FRONT VIEW



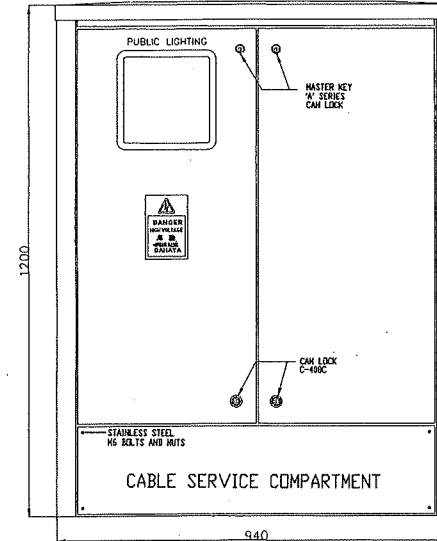
ITEM No.	DESCRIPTION	QTY.
01	MCB 2P 32A (10kA) B CURVE	01
02	RCCB 40A 2P 100mA	01
03	ISOLATOR 25A 1P	01
04	ISOLATOR 32A 2P	01
05	CONTACTOR 40A 2P	01
06	ZEN PROGRAMMABLE RELAY TIMER V2	01
07	MICRO SURGE SUPPRESSOR	01
08	12 WAYS PVC ENCLOSURE	01
09	2 WAYS PVC ENCLOSURE	01
10	TEAKWOOD 540 (W) X 700 (H) X 25(TH)	01
11	IP66 ABS EMPTY ENCLOSURE	01
12	FUSE CARRIER C/W 2A FUSE	01
13	FUSE CARRIER 32A (500V) C/W 10A FUSE LINK	04

Land Transport Authority

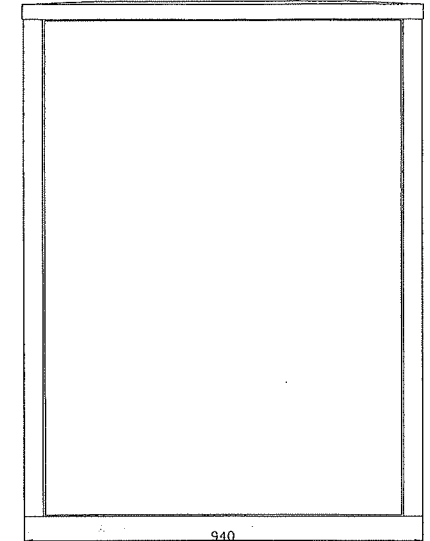
DRAWING NUMBER : LTA/CFM/TR302/E-091

TITLE : TYPICAL SINGLE-PHASE LIGHTING CONTROL BOX LAYOUT

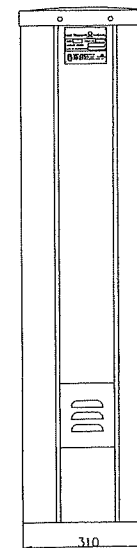
FRONT VIEW



BACK VIEW



SIDE VIEW



Construction:

Degree of Protection:

Material:

Thickness:

Finishing:

Modular Structure Design For Outdoor(Front Access Only)
Extrusion Pillar Aluminium Alloy-AA6063
IP55
Aluminium Alloy
3.0mm
Polyester Powder Coating Standard Colour
(RAL 7039) For Pillars And Roof,
(RAL 7032) For Others.

Land Transport Authority

DRAWING NUMBER : LTA/CFM/TR302/E-092

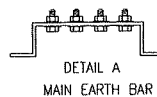
TITLE : TYPICAL THREE-PHASE LIGHTING CONTROL BOX

INTERNAL FRONT VIEW

SPACE FOR
KWH
450W X 450H

SPACE FOR
POWERGRID
INCOMING

DETAIL A



2NOS. 3mm PHENOLIC FIBRE
GLAND PLATE

CABLE BRACKET

ITEM No.	DESCRIPTION	QTY.
01	MCB 63A 4P 10KA B CURVE	01
02	MCB SHUNT TRIP 230V-415VAC 110V-130VDC	01
03	EARTH LEAKAGE RELAY C/W ZCT 30	01
04	BY-PASS ISOLATOR 25A SP	03
05	MCB 20A 2P 10KA B CURVE	01
06	RCCB 40A 2P 30mA	01
07	SWITCH SOCKET OUTLET 13A 16AHG METAL CLAD	01
08	FUSE CARRIER C/W 2A FUSE	01
09	ZEN PROGRAMMABLE RELAY TIMER VERSION 2	01
10	IP66 ABS EMPTY ENCLOSURE	01
11	MICRO SURGE SUPPRESSOR	01
12	100A BI CONNECTOR NS	04
13	CONTACTOR AF65 3P AC3	03
14	FUSE CARRIER (500V) C/W 32A FUSE LINK	09
15	PVC ENCLOSURE 12 WAYS	01
16	PVC ENCLOSURE 4 WAYS	02
17	TEAKWOOD 450mm(W) X 900mm(H) X 25mm(Th)	02

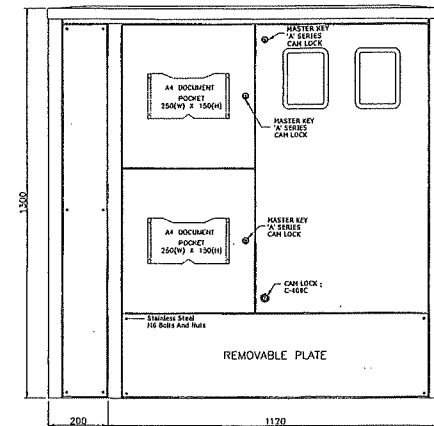
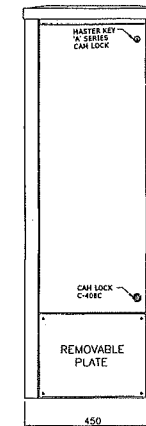
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-093

TITLE : TYPICAL THREE-PHASE LIGHTING CONTROL BOX
LAYOUT

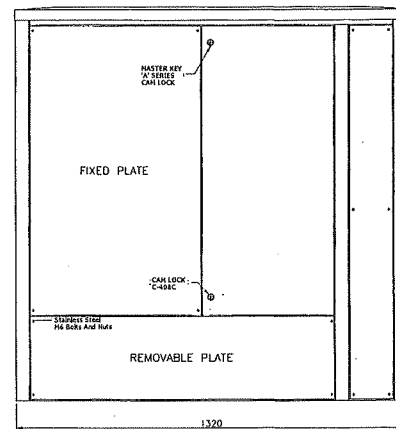
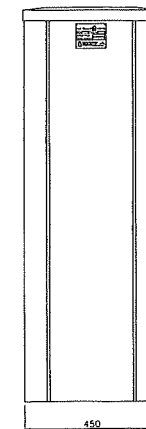
L-SIDE VIEW

FRONT VIEW



R-SIDE VIEW

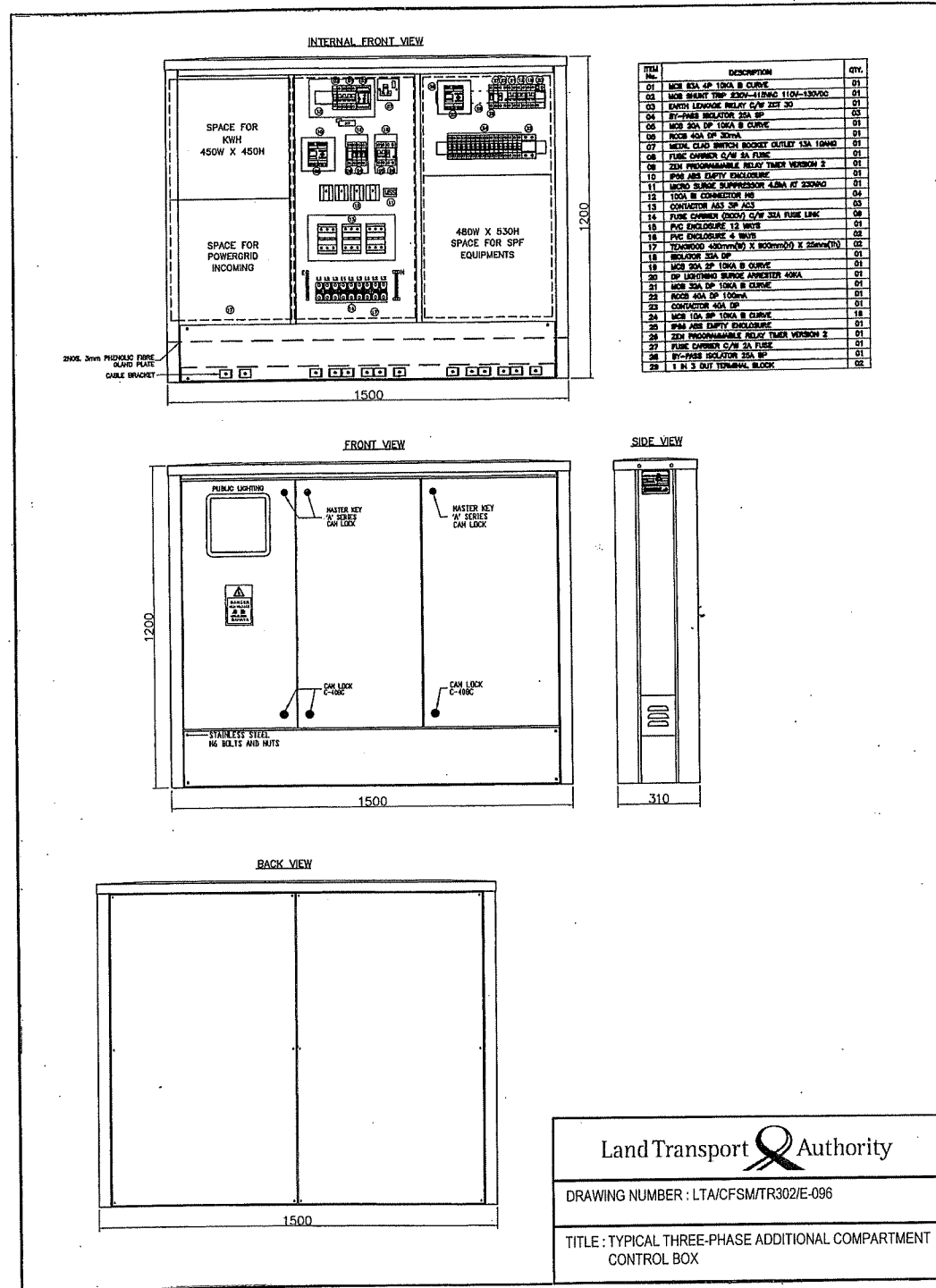
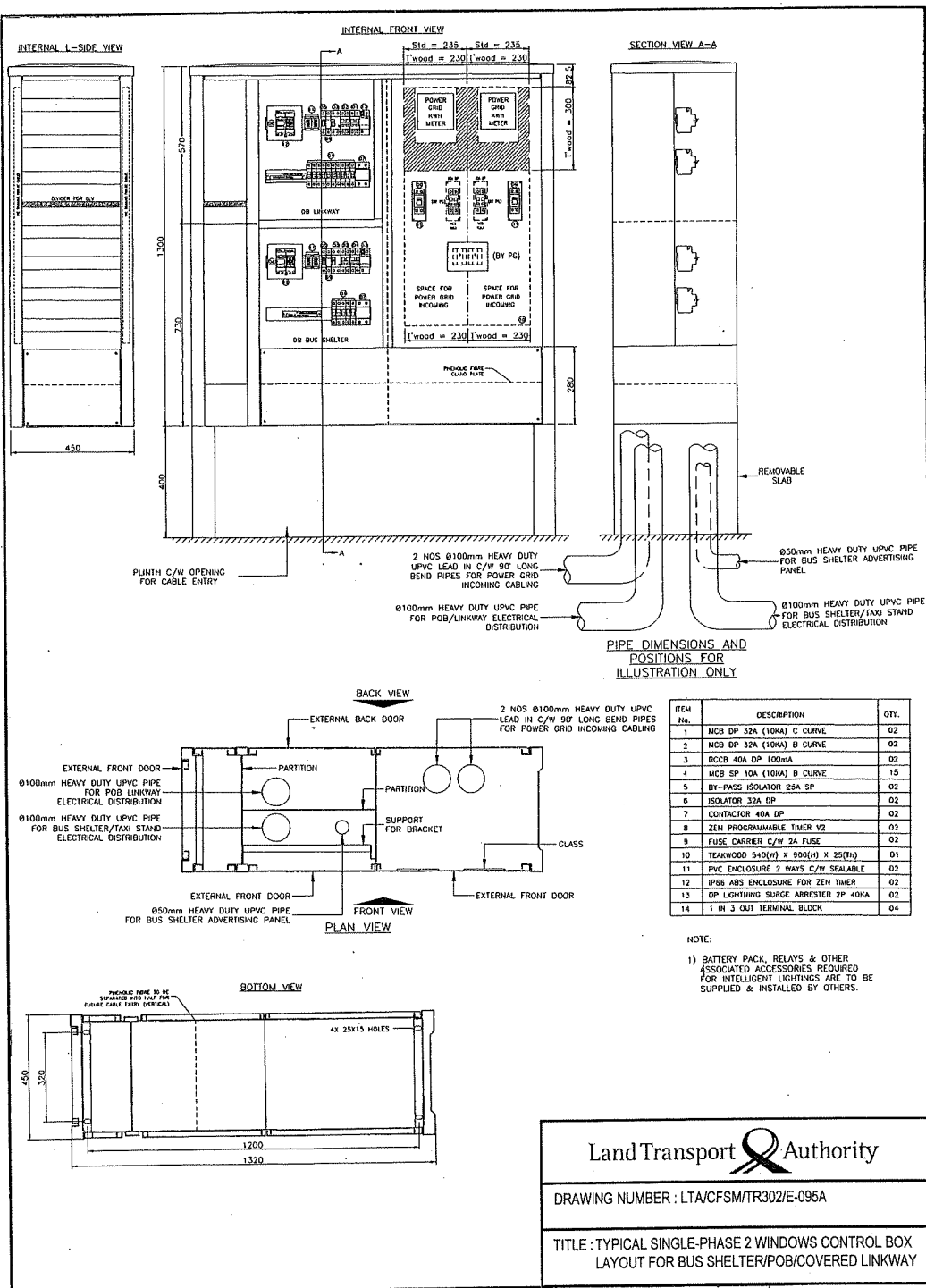
BACK VIEW

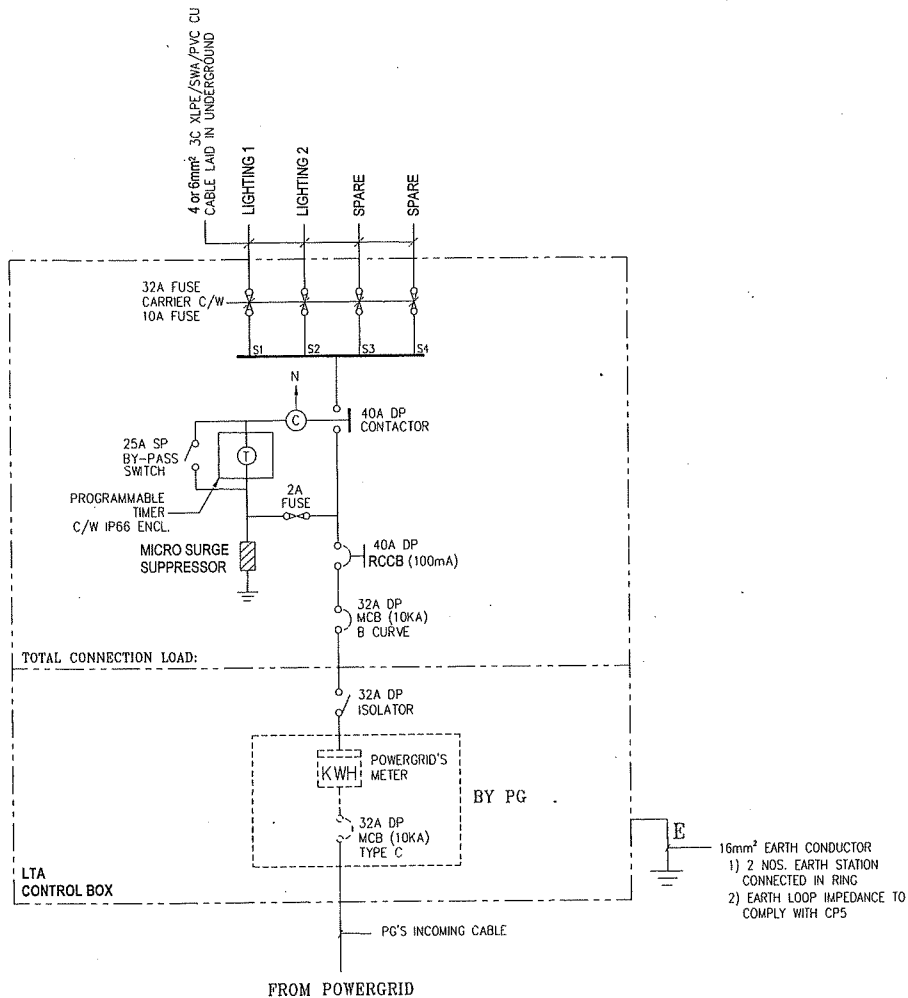


Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-094A

TITLE : TYPICAL SINGLE-PHASE 2 WINDOWS CONTROL
BOX FOR BUS SHELTER/POB/COVERED LINKWAY

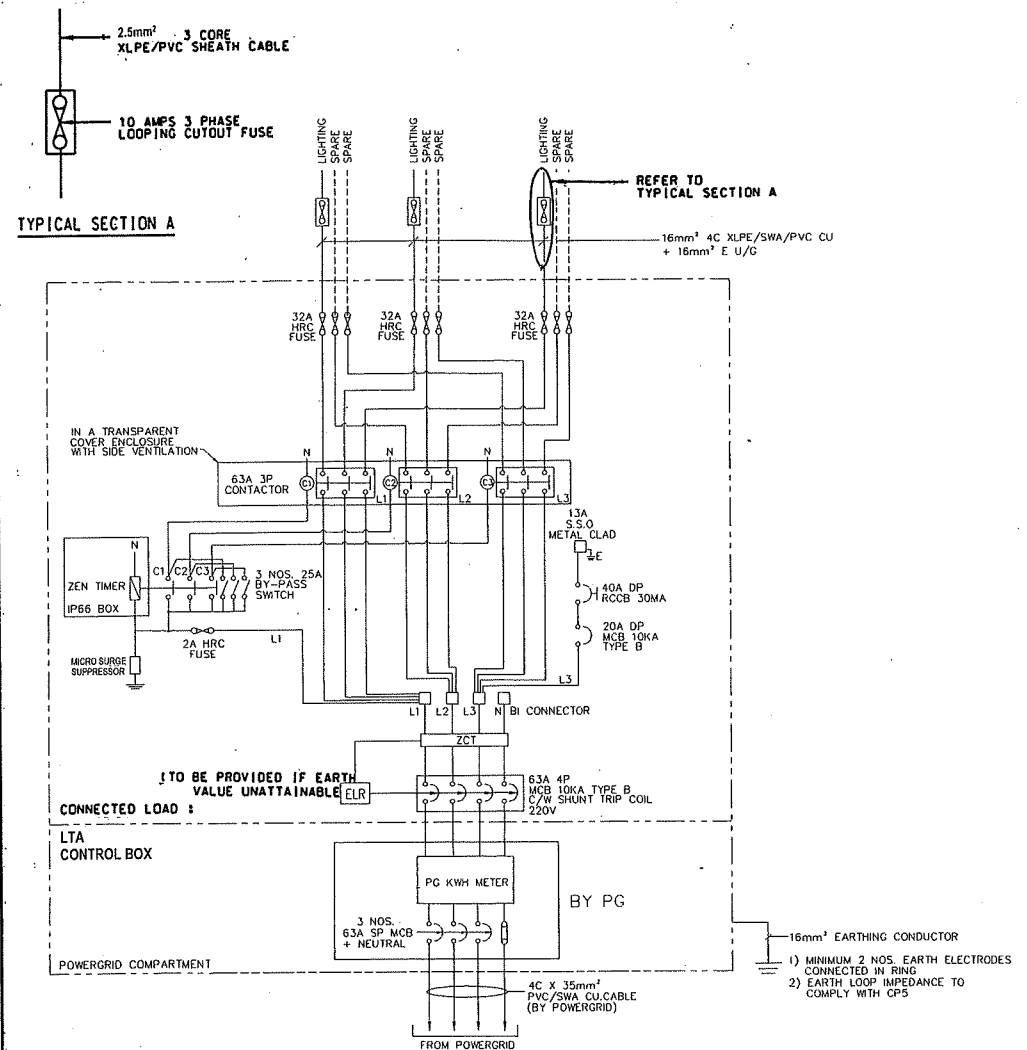




Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-097

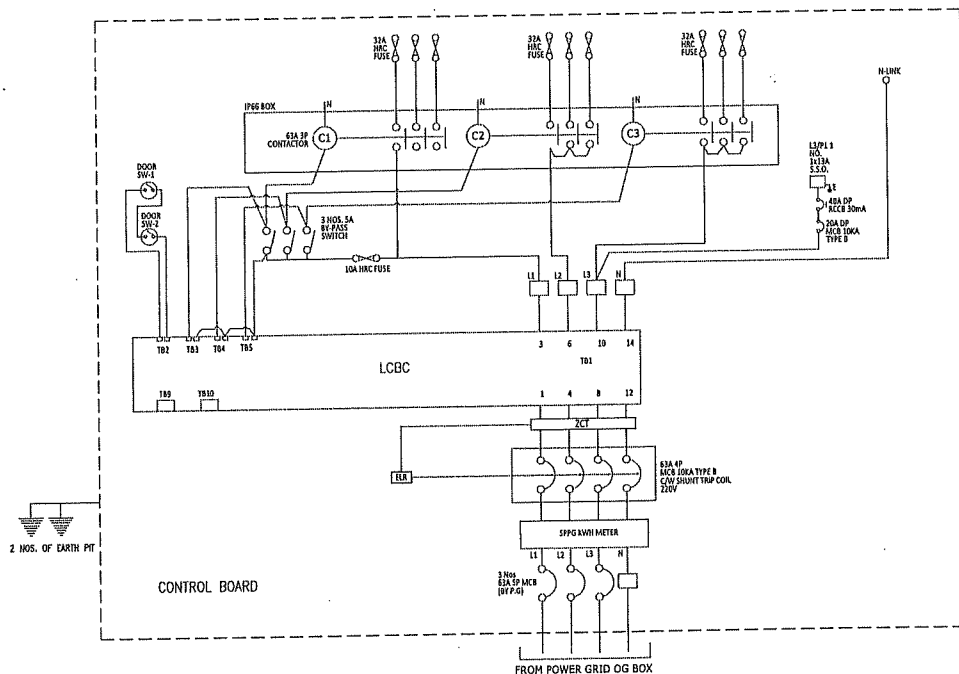
TITLE : TYPICAL SINGLE-PHASE SINGLE LINE DIAGRAM FOR LIGHTING



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-098

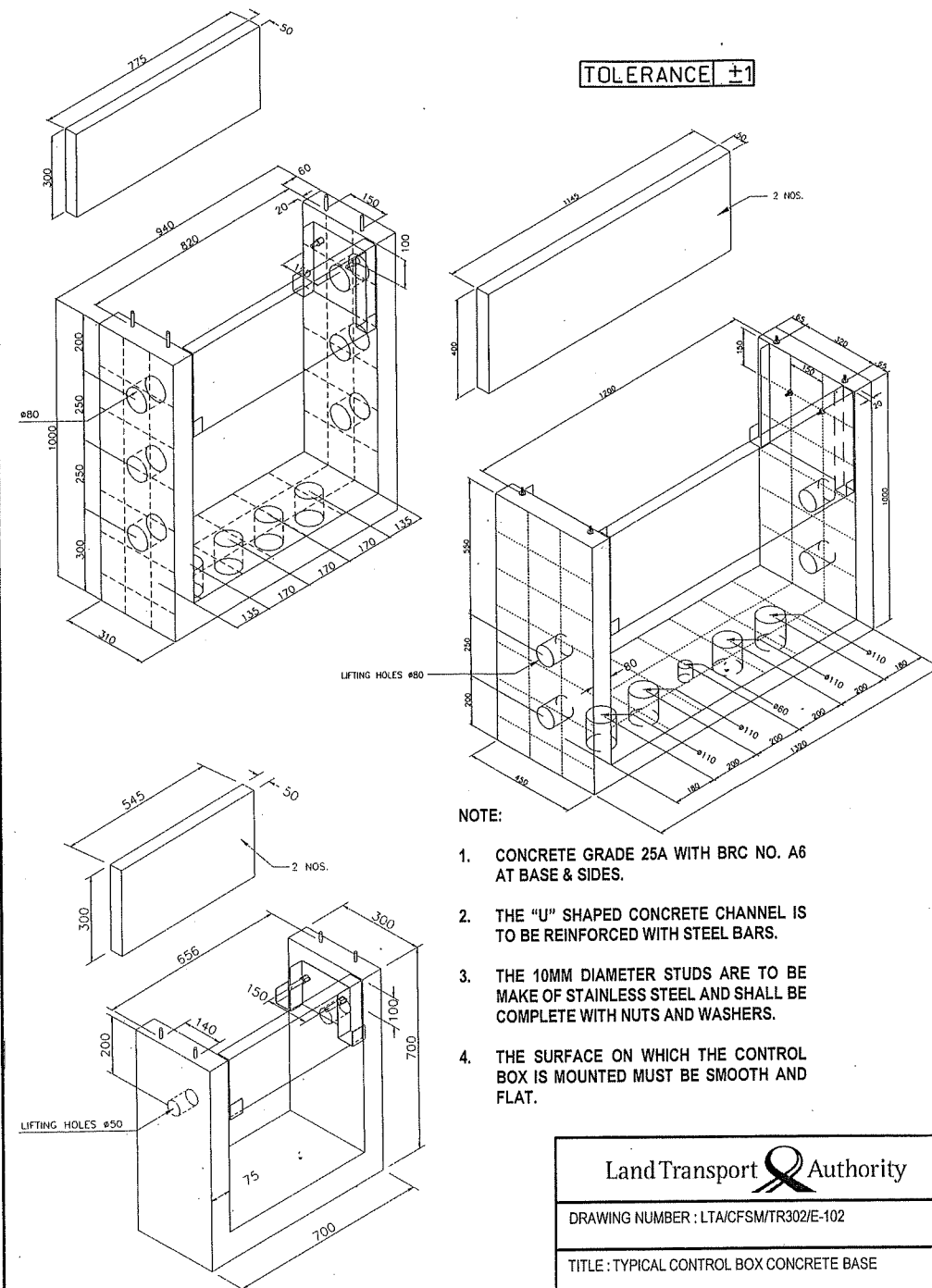
TITLE : TYPICAL THREE-PHASE SINGLE LINE DIAGRAM FOR LIGHTING



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-101

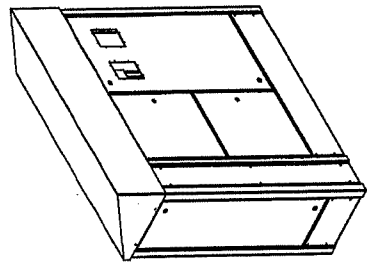
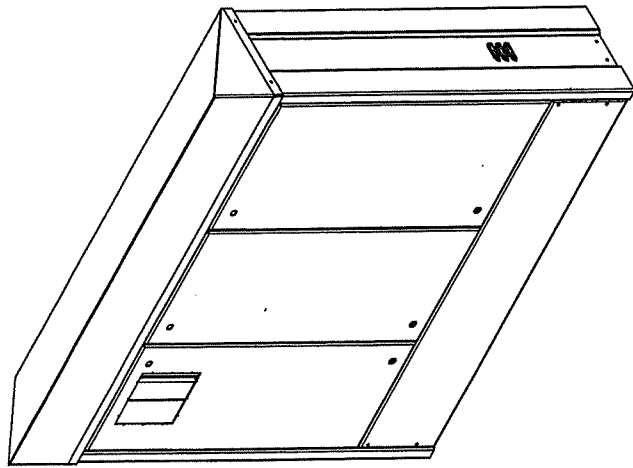
TITLE : TYPICAL SINGLE LINE DIAGRAM WITH LCBC



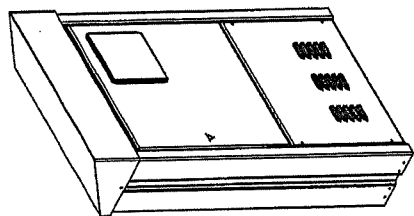
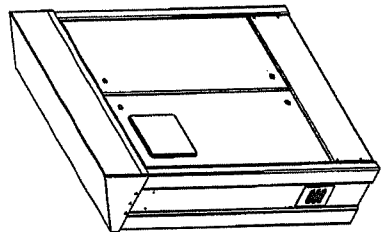
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-102

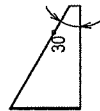
TITLE : TYPICAL CONTROL BOX CONCRETE BASE



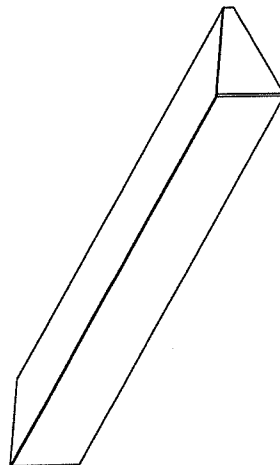
ROOF DETAIL



ROOF LAYOUT



SIDE VIEW

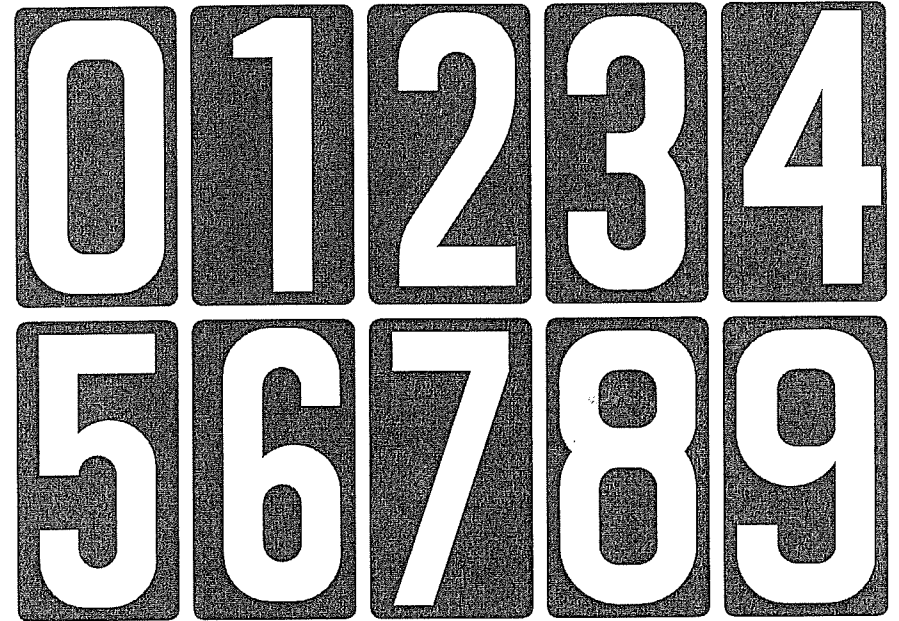


Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-103

TITLE : TYPICAL PITCHED ROOF DESIGN FOR CONTROL BOX

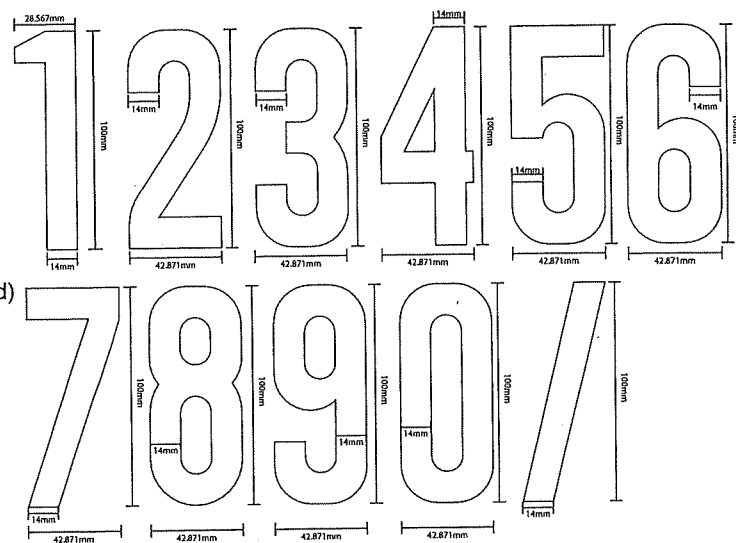
Type A / Type B
(with background)



Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-104

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



Type A
(without background)

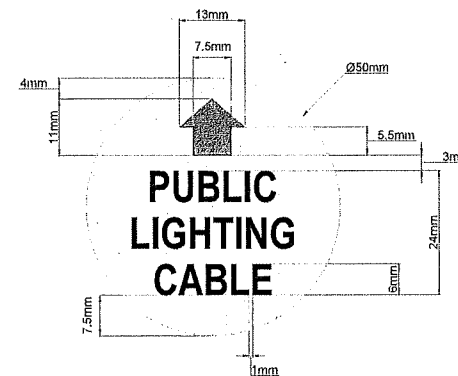


Type B
(without background)

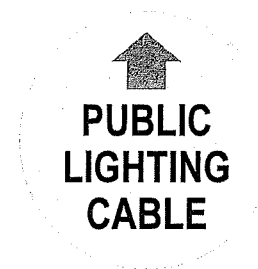
Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-105

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



SCALE : 1:1

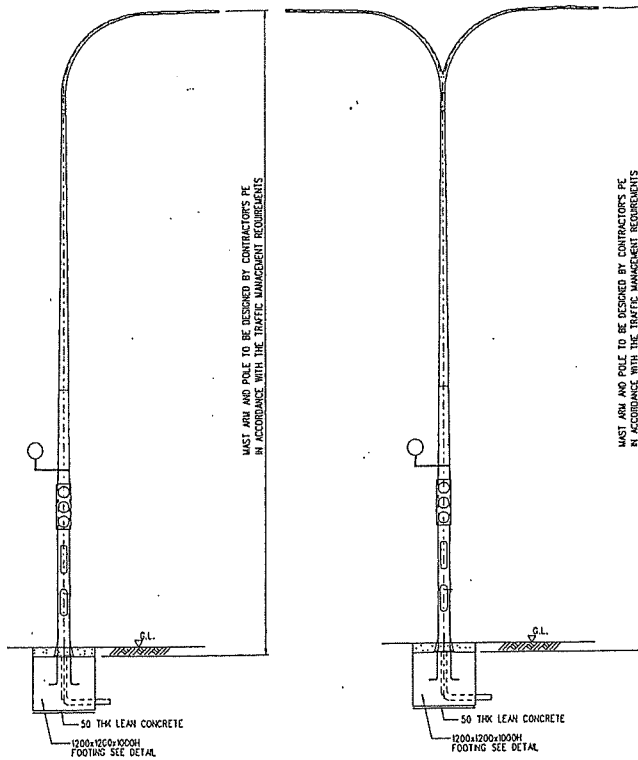


SCALE : 1:1

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-106

TITLE : TYPICAL CABLE MARKER DISC



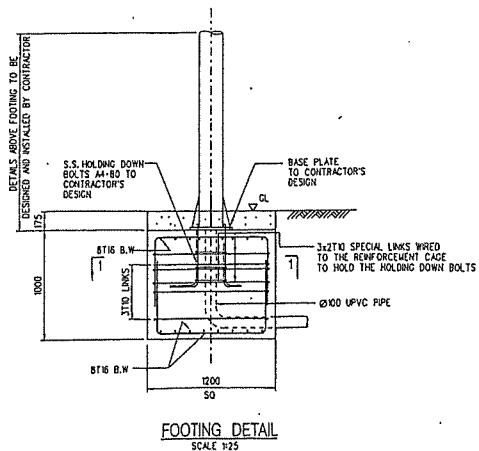
NOTES:

1. POLES SHOWN ARE INDICATIVE ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION.
2. THE FOOTING IS DESIGNED BASED ON THE FOLLOWING WORKING LOADS:

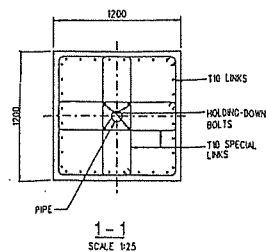
TOTAL VERTICAL LOAD (kN)	MOMENT (kNm)
38 kN	7.5 kNm

THE CONTRACTOR'S PE SHALL CONFIRM THAT HIS DESIGN LOADING OF THE MAST POLE DOES NOT EXCEED THE ABOVE LOADS.

TYPES OF JOINT USE STREET LIGHT AND TRAFFIC LIGHT POLE
SCALE 1:50



FOOTING DETAIL
SCALE 1:25



1-1
SCALE 1:25

Land Transport Authority

DRAWING NUMBER : LTA/CFSM/TR302/E-107

TITLE : 8.0m/10.0m/12.0m JOINT USE POLE c/w
SINGLE/DOUBLE ARM BRACKET-FLANGED TYPE POLE
(WITHOUT TRAFFIC ARM)