

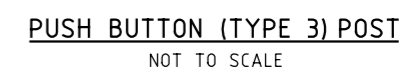
# VicRoads (DTP) Standard Drawings

## Traffic signals – Posts and attachments (1100-1199)

Drawing No.		Title
TC-1100	C	Traffic signal posts – Types 2A, 2B and Type 3
TC-1101	A	Lantern mounting brackets
TC-1103	A	Traffic Signal Post Type 2D (Mini mast arm)
TC-1104	A	Flashing pedestrian crossing details
TC-1105	A	Traffic signal and street lighting poles
TC-1106	B	MA, JUP and JUMA – Overhead lantern mounting assembly
TC-1107	A	MA, JUMA, JUP and RSLP – Base plate detail
TC-1108	B	Weather cap for traffic signals and street lighting
TC-1109	A	MA and JUMA - Outreach arm clamping details
TC-1110	A	Traffic signal MA, JUP and JUMA – Column conduit entry details
TC-1111	A	JUMA, JUP and RSLP - Street lighting extension spigot cap
TC-1112	A	5.5m x 2.5m Mast arm – Typical installation details
TC-1113	A	MA, JUMA and JUP - Lantern support detail
TC-1114	B	Terminal assembly – Pedestal 51 way
TC-1115	A	Lantern and mounting bracket orientation
TC-1116	C	Traffic signal mounting arrangement
TC-1118	B	MA, JUMA and JUP – Traffic signal and street lighting door opening and cable termination block mounting details
TC-1119	A	Lantern mounting details
TC-1120	A	JUP – Base section
TC-1121	B	JUMA – Base section
TC-1122	B	MA – Base section
TC-1123	A	JUMA, JUP and RSLP – Street lighting extension sections
TC-1124	A	MA and JUMA – Outreach sections
TC-1126	A	Pedestal location under or through verandahs
TC-1127	B	Traffic signal visor types and dimensions
TC-1128	B	Terminal assembly MA, JUP and JUMA – 51 way
TC-1129	A	Terminal assembly – Pedestal 19 way

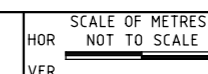


TRAFFIC SIGNAL POST  
TYPE 2A AND 2B  
NOT TO SCALE

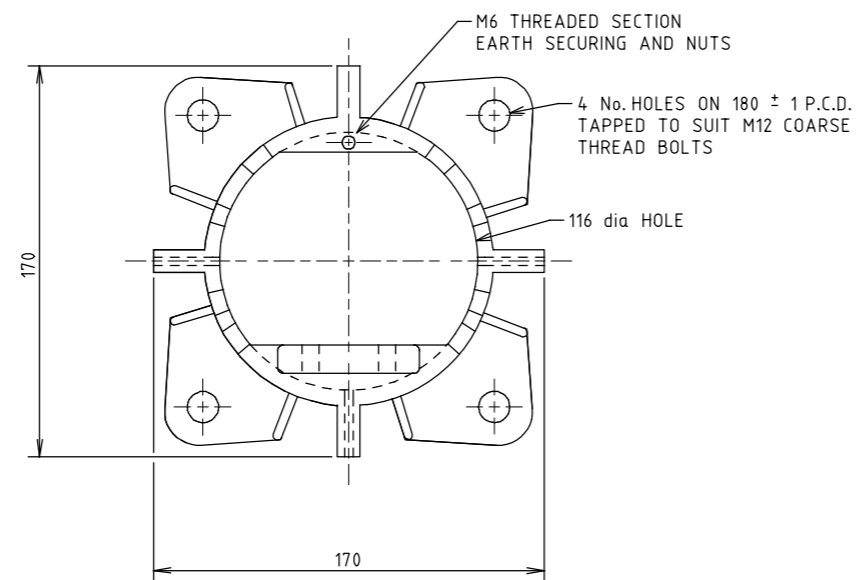
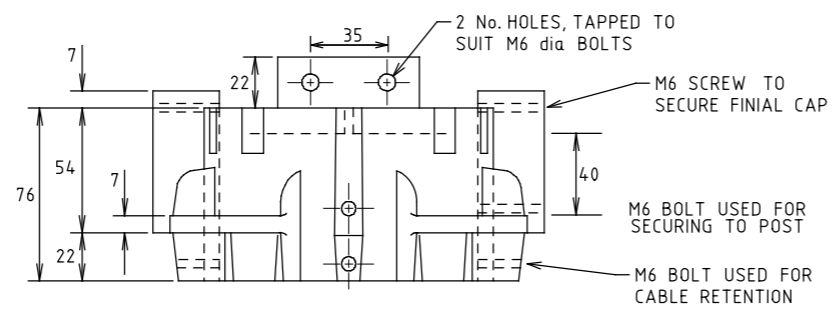


E			
D			
C	SP	4/2020	MINOR UPDATE REMOVE DOME CAP TYPE 3
B		13/02/13	NOTE AND TITLE BLOCK UPDATED
A	DZ	12/09/03	MODIFY DETAIL OF PEDESTAL BORE
ISSUE	APP'D	DATE	AMENDMENT

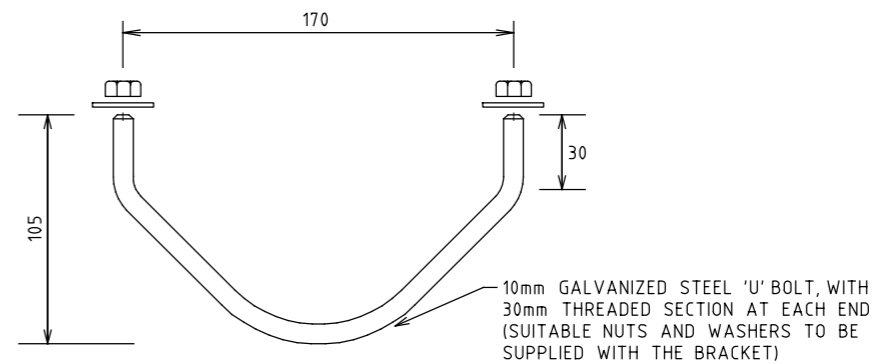
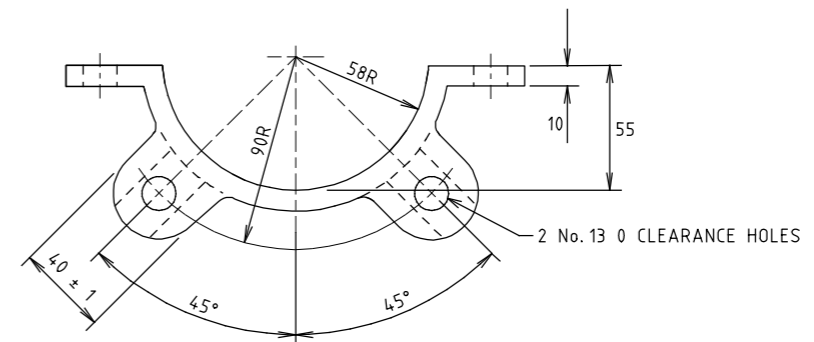
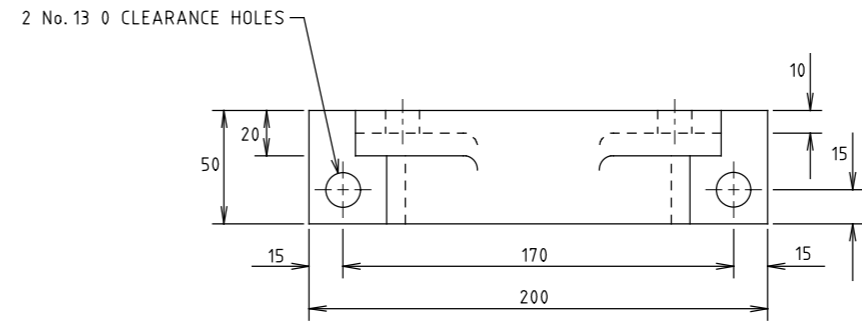
DESIGNED	SP	07/01/2002
APPROVED	KW	07/02/2002
CAT: Road_Design		
PROJ: (a) General		
FILE: TC-1100C.dgn		



FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1100C	ISSUE C
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UPPER MOUNTING BRACKET DETAIL  
NOT TO SCALE



LOWER MOUNTING BRACKET DETAIL  
NOT TO SCALE

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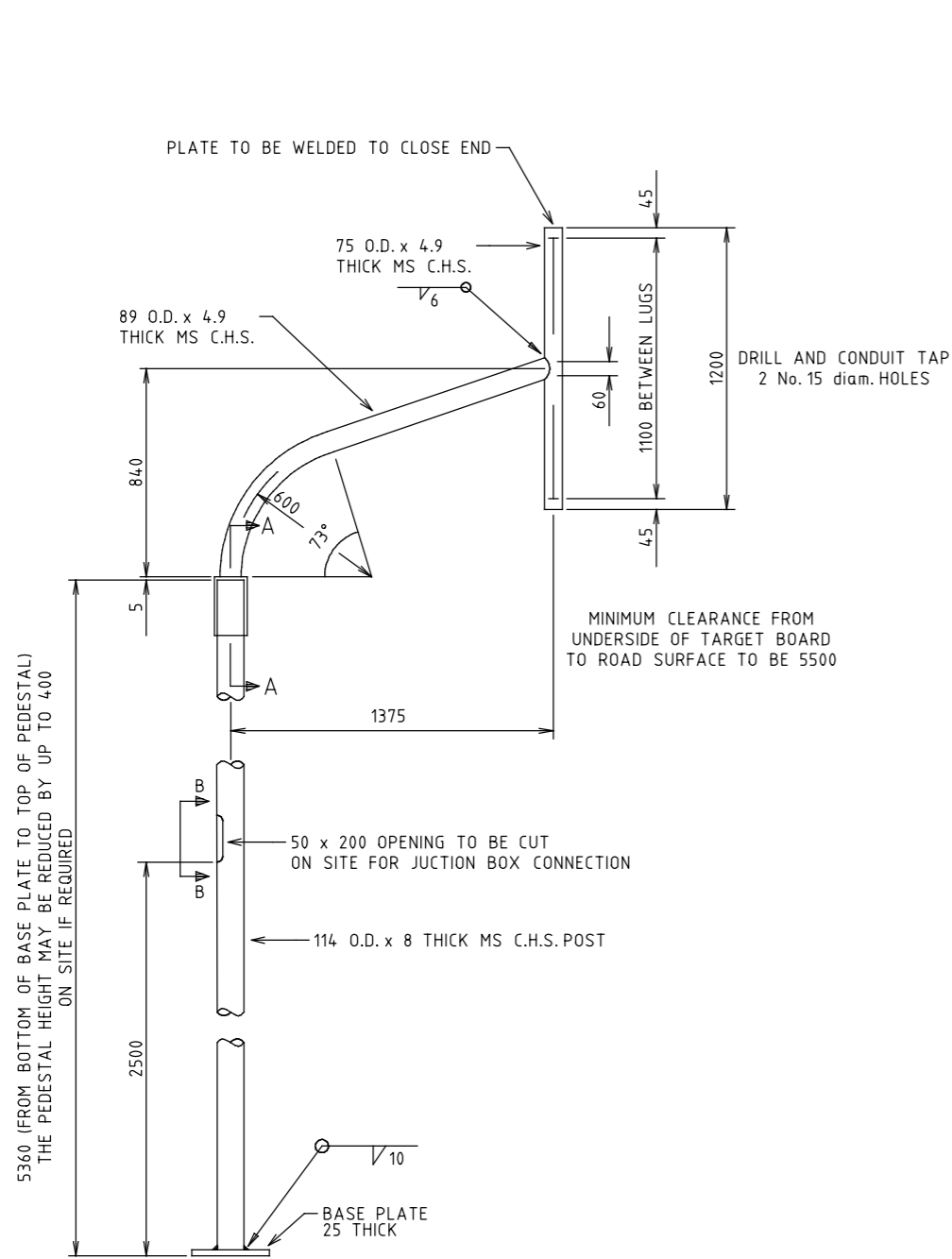
E			
D			
C			
B			
A	SP	06/20	UPDATE REFERENCES
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. ALL DIMENSIONS IN MILLIMETERS

DESIGNED	S.P. 7/1/2002
APPROVED	K.W. 7/1/2002
CAT: Road_Design	SCALE OF METRES
PROJ: (a) General	NOT TO SCALE
FILE: tc-1101A.dgn	HOR VER

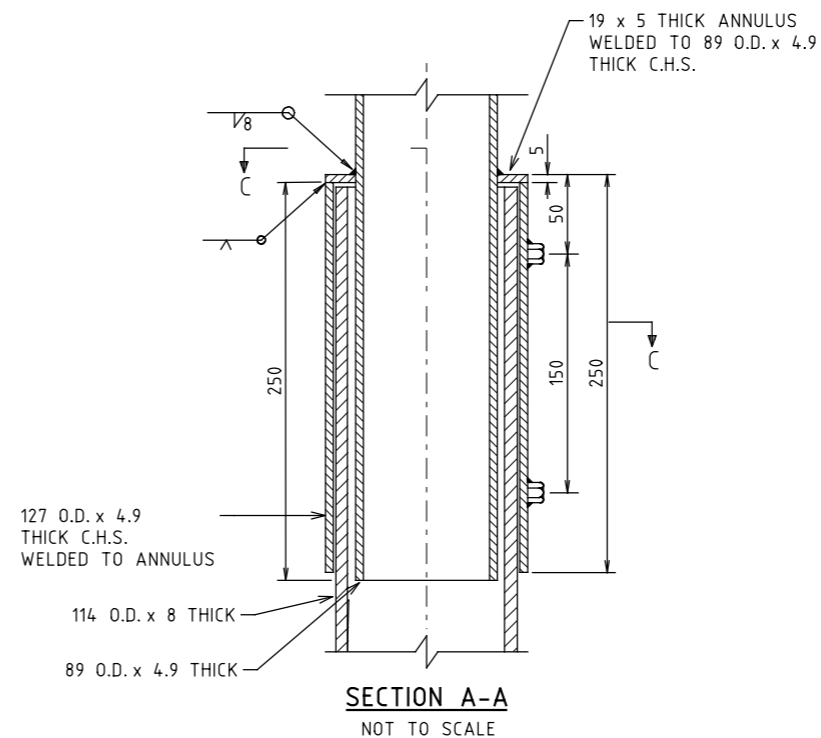


ITS STANDARD DRAWINGS				
TRAFFIC SIGNAL MOUNTING BRACKETS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1101	A

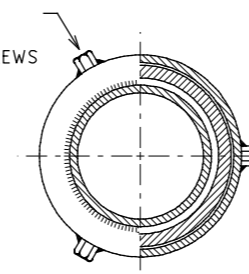


**MINI MAST ARM 1.4m OUTREACH**  
NOT TO SCALE

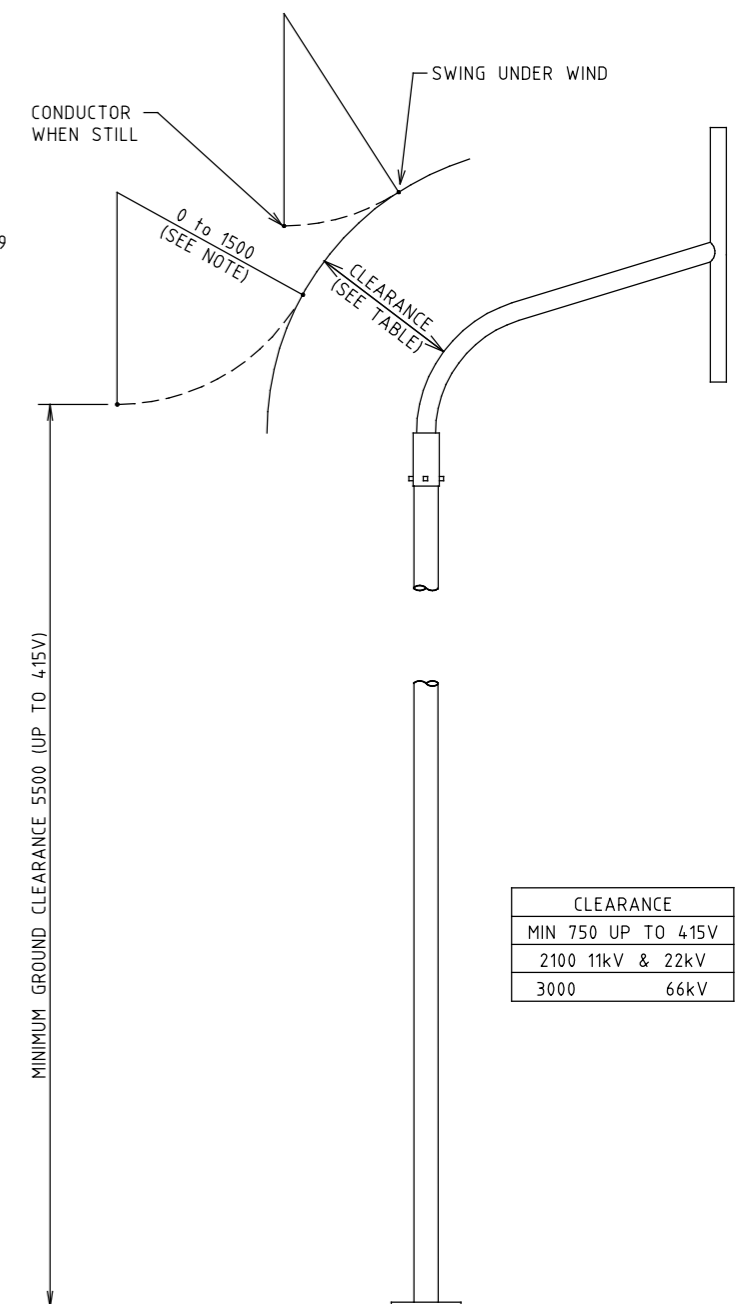
**FOUNDATION:**  
TO BE ENGINEERED WHEN NO OUTREACH USED  
BORED PILE FOUNDATION WHEN OUTREACH USED



6 No. 12 DIAM NUTS EQUISPACED  
ON 127 O.D. C.H.S. PROVIDE  
6 No. 12 HEXAGON HEAD SET SCREWS



**SECTION C-C**  
NOT TO SCALE



CLEARANCE	
MIN 750 UP TO 415V	
2100 11kV & 22kV	
3000	66kV

**NOTE:** IF PEDESTAL IS INSTALLED  
CLOSE TO SUPPLY POLE THIS  
DIMENSION IS ZERO. AT MID SPAN  
A SAG OF 1.5m SHOULD BE ALLOWED  
FOR. BETWEEN THESE TWO POINTS  
SAG VARIES PROPORTIONALLY.

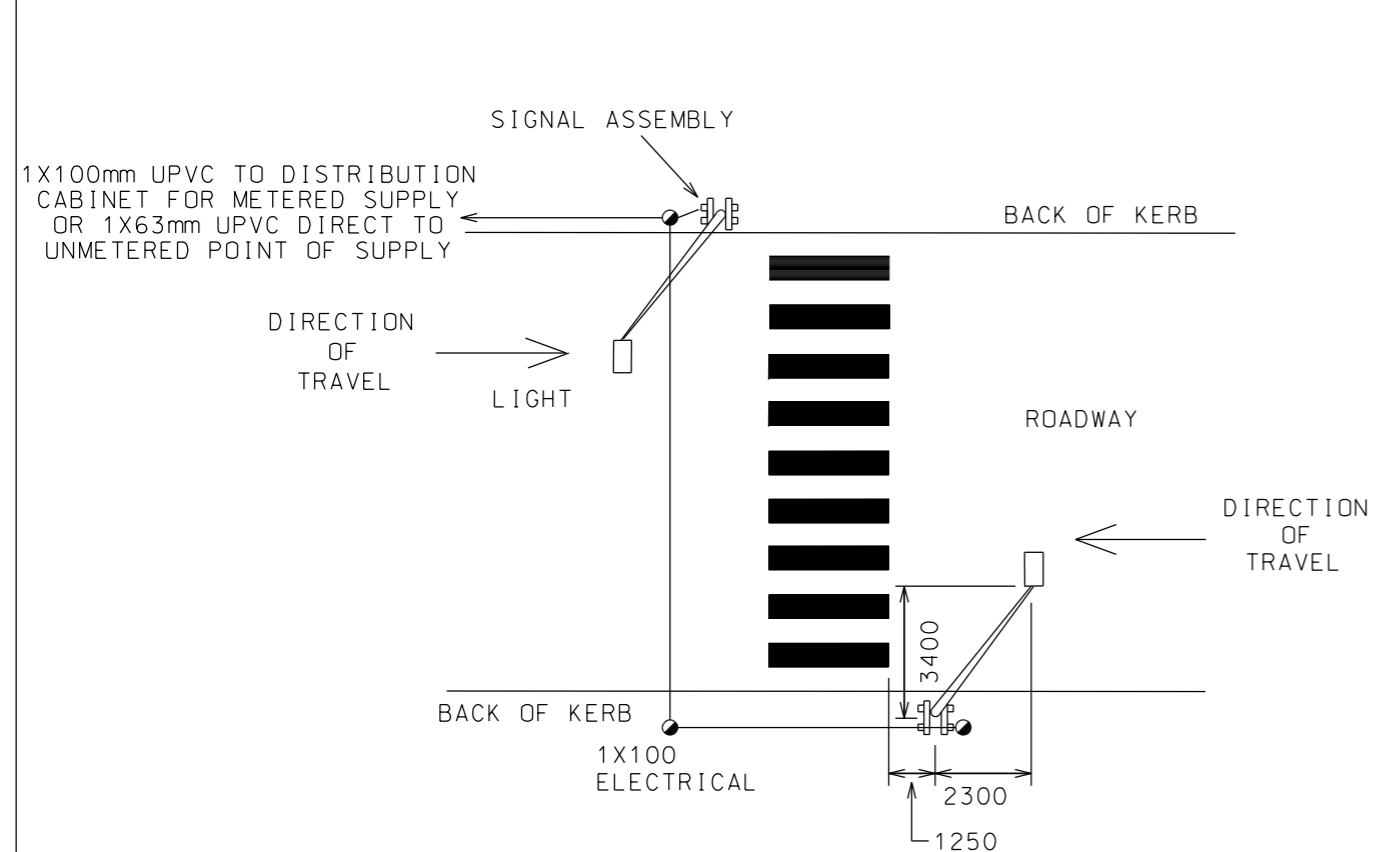
E			
D			
C			
B			
A	SP	04/20	FOUNDATION DETAIL. UPDATE REFERENCES
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1. ALL DIMENSIONS IN MILLIMETERS	
TC-1200	
TC-1201	

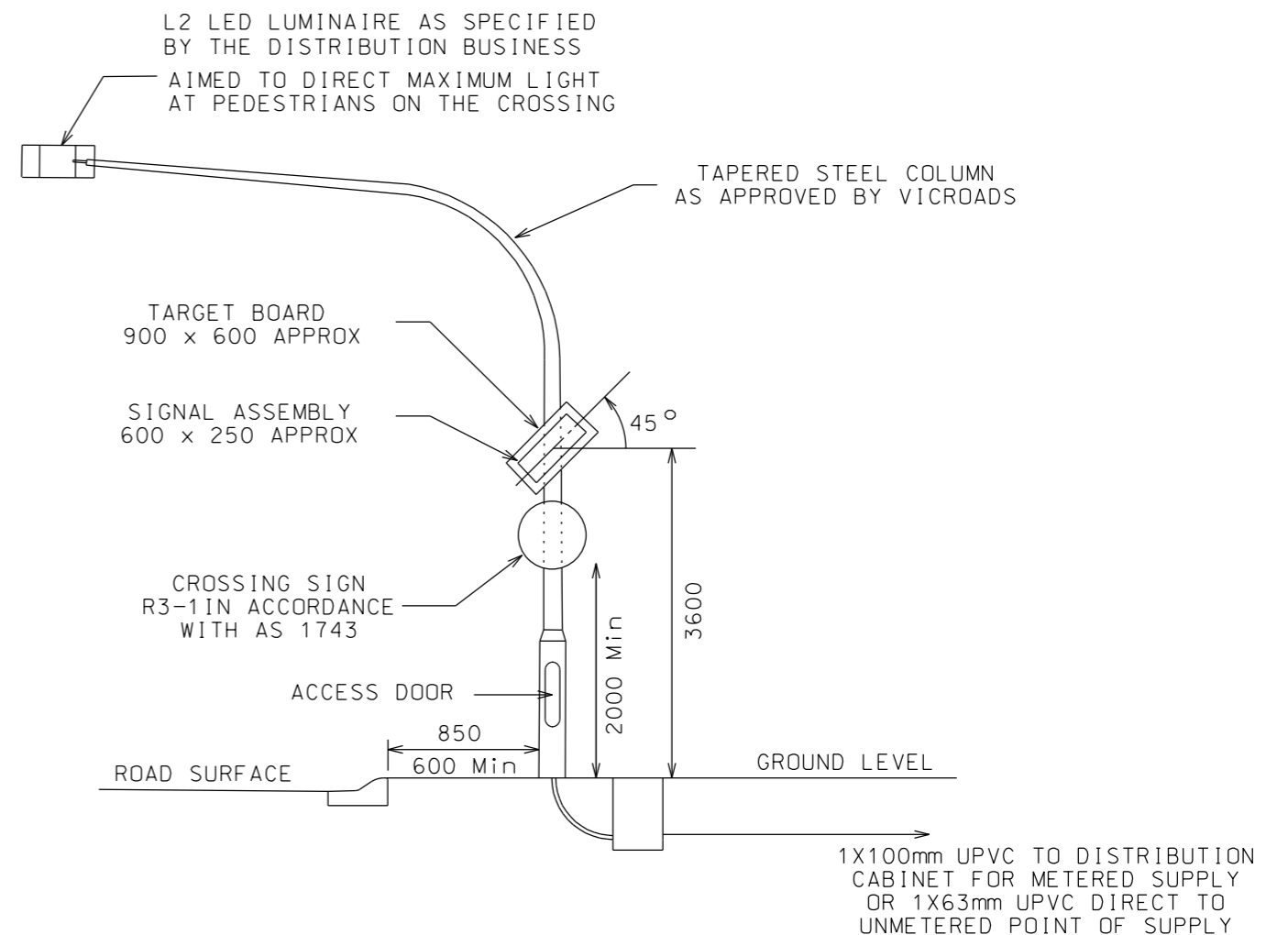
DESIGNED	S.P. 07.01.02
APPROVED	K.W. 07.01.02
CAT: Road_Design	
PROJ: (a) General	
FILE: tc-1103.dgn	

SCALE OF METRES	
NOT TO SCALE	
HOR	VER

ITS STANDARD DRAWINGS MINI MASTARM (TYPE 2D)				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1103	A



- NOTES
1. PEDESTRIAN CROSSING (ZEBRA) TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF AS 1742.10.
  2. SIGNAL SHALL BE A TWO ASPECT 200mm DIAMETER YELLOW LANTERN.
  3. EACH PAIR OF FLASHING YELLOW LIGHTS MUST BE CAPABLE OF BEING AIMED SEPARATELY FROM ANY OTHER PAIR.
  4. ALL CONDUITS USED ARE TO COMPLY WITH AS 2053.
  5. UNLESS OTHERWISE DIRECTED OVERHEAD LIGHTING SHALL BE PROVIDED BY OTHERS



- NOTES
1. THE MINIMUM CLEARANCE FROM THE PAVEMENT SHALL BE 5500 MEASURED AT A DISTANCE OF 1100 FROM THE CENTRE OF THE COLUMN AND ALLOWING A KERB HEIGHT OF 150.
  2. FOUNDATION SHALL BE AS SHOWN IN TC-1201.
  3. ACCESS DOOR TO BE 350 HIGH X 150 WIDE. LOWER EDGE OF DOOR TO BE 600 ABOVE BASE PLATE.
  4. A TERMINATION SUPPORT PANEL TO BE PROVIDED WITHIN ACCESS OPENING IN ACCORDANCE WITH TCS 00, CLAUSE 8.4.3. THE TERMINATION PANEL SHALL BE USED TO SUPPORT A FUSE AND CABLE TERMINATIONS.

E			
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B			
A	S.P.	5/23	UPDATED REQUIREMENTS AND LUMINAIRE
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES / CROSS REFERENCES  
UNSPECIFIED DIMENSIONS ARE IN mm

CHECKED  
L FRENCH 13/10/00

APPROVED  
B HEARN 13/10/00

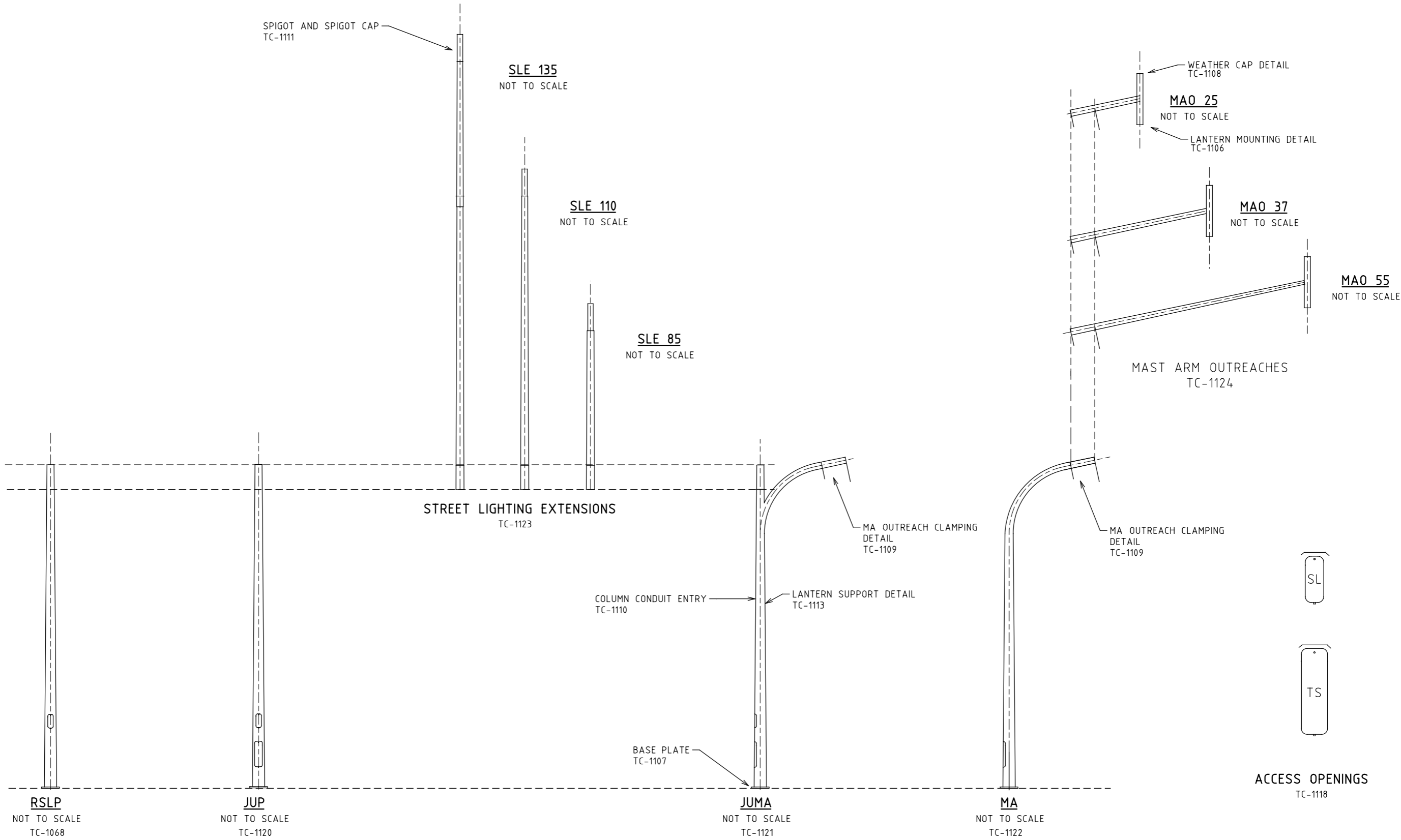
CAT: Civil and electrical  
PROJ: (a)General  
FILE: TC-1104.dgn



SCALE OF METRES  
HOR  
VER

STANDARD DRAWING  
TYPICAL LAYOUT  
FLASHING PEDESTRIAN CROSSING

FILE NO	CONTRACT NO	SHEET NO	DRAWING NO TC-1104	ISSUE A
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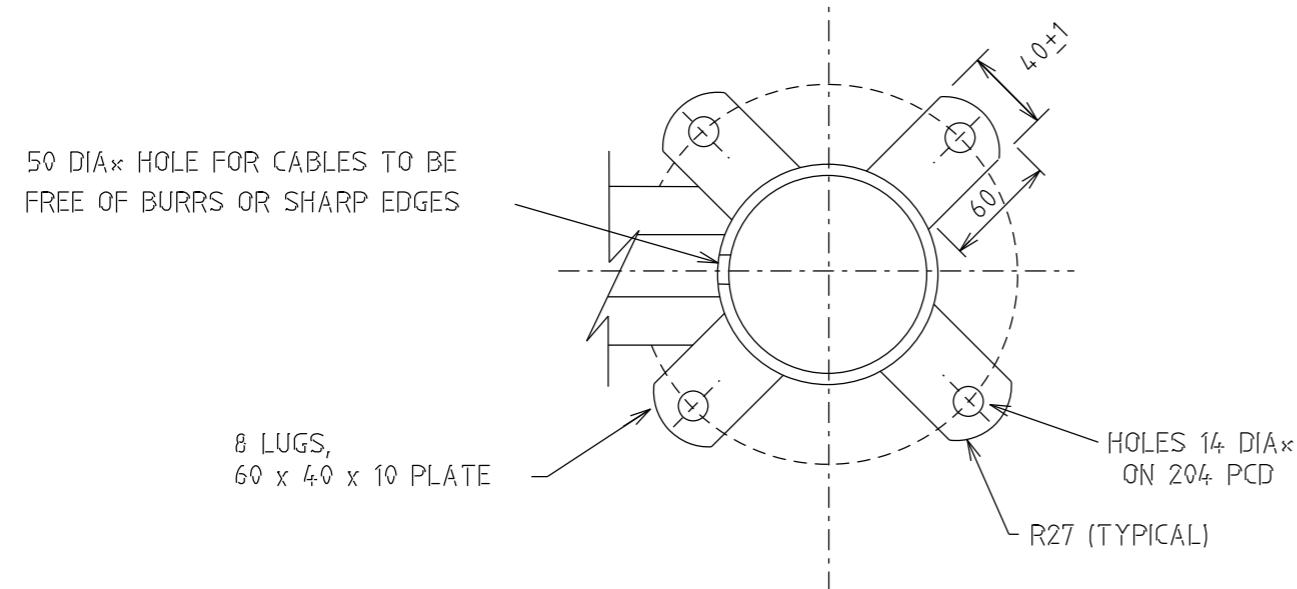
E			
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C			
B			
A	SP	04/20	REVIEWED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. ALL DIMENSIONS IN MILLIMETERS

DESIGNED	R.S. 17/02/00
APPROVED	B.H. 23/02/00
CAT: Road_Design	SCALE OF METRES
PROJ: (a) General	NOT TO SCALE
FILE: tc-1105.dgn	HOR VER

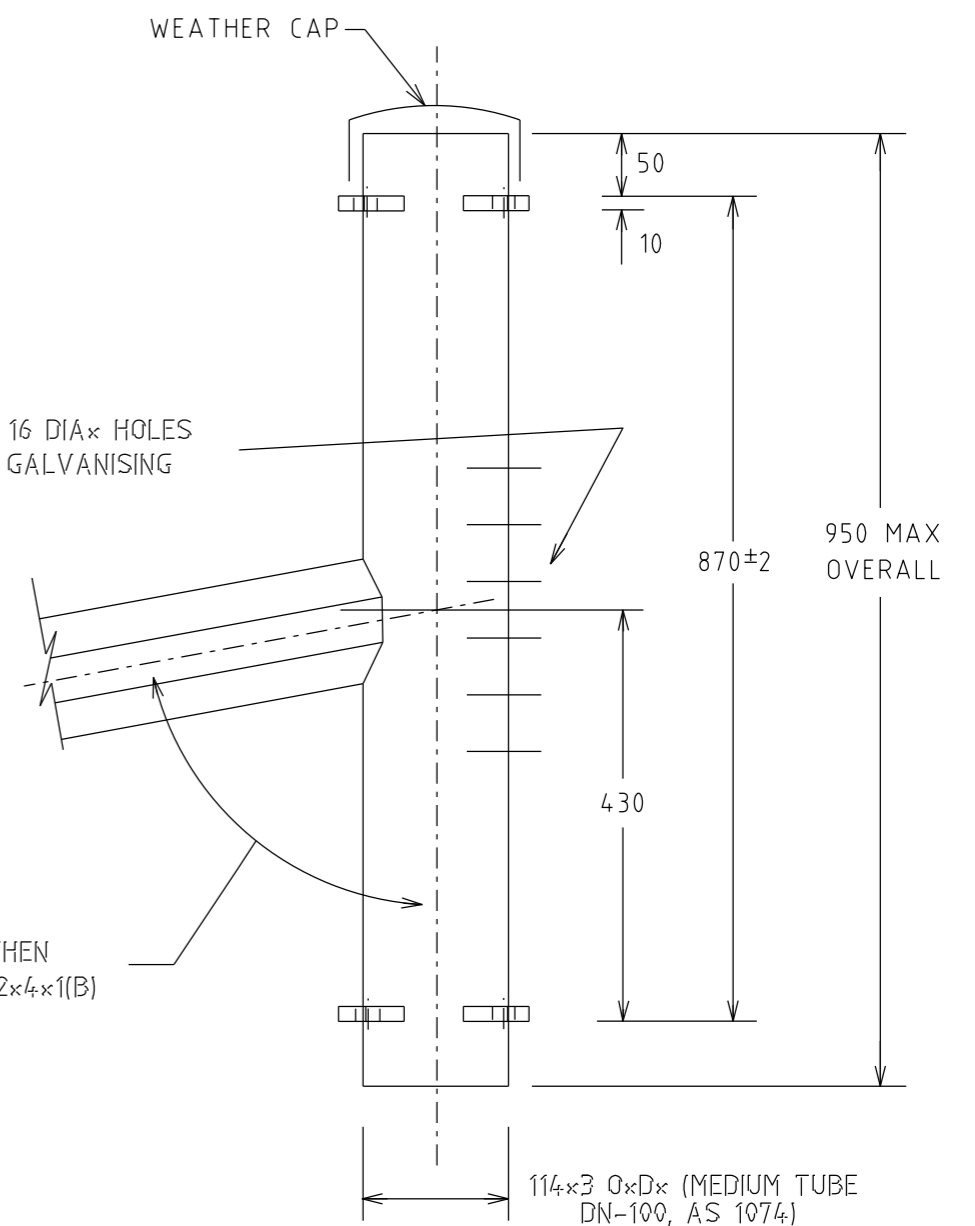


ITS STANDARD DRAWINGS TYPICAL LAYOUTS TRAFFIC SIGNAL AND STREET LIGHTING POLES				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1105	ISSUE A



DRILL AND CONDUIT TAP 6 Nos 16 DIA× HOLES AT 60 PITCH AND RE-TAP AFTER GALVANISING

ANGLE TO ACHIEVE THE VERTICAL  $\pm$  WHEN LOADED IN ACCORDANCE WITH CLAUSE 2×2×4×1(B)



SDATES  
STIMES  
SFILES

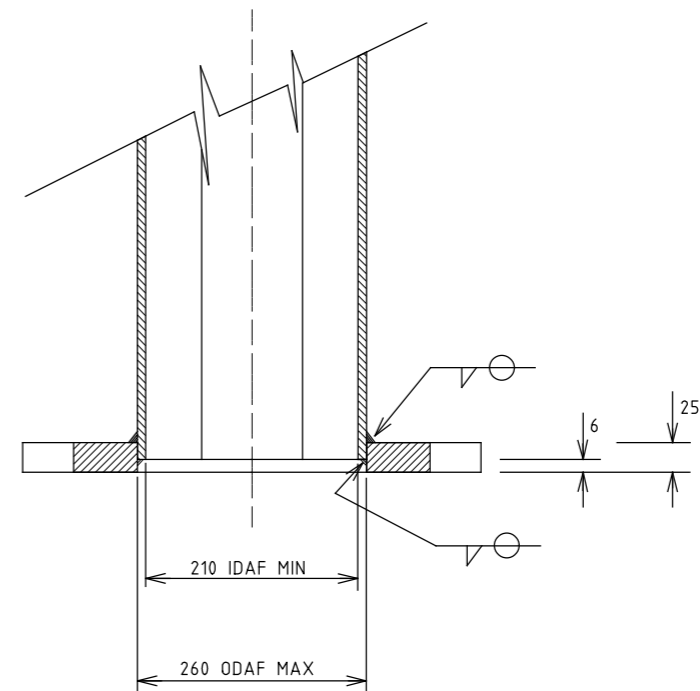
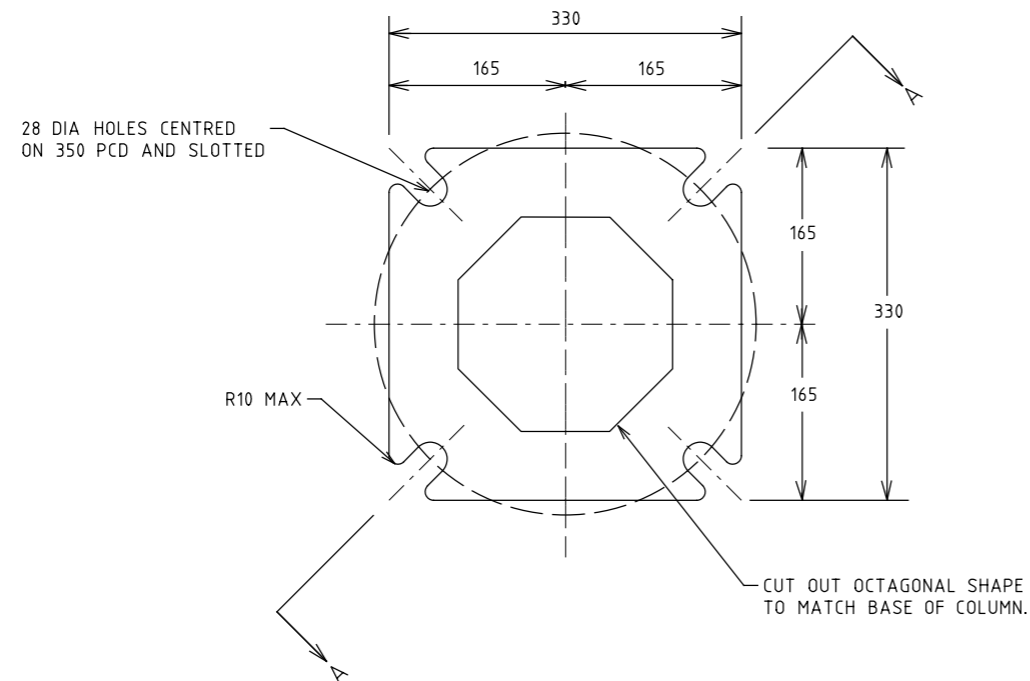
E			
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C			
B	SP	04/2020	ADDED CABLE HOLES
A	RS	21/08/01	P.C.D. CHANGED AND LUG SPACING
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES / CROSS REFERENCES  
UNSPECIFIED DIMENSIONS ARE IN mm.  
FOR WEATHER CAP DETAILS REFER TO TC-1108.  
FOR USE WITH MA: TC-1122  
JUMA: TC-1121

DESIGNED R.S. 17/02/2000
APPROVED B.H. 23/02/2000
CAT: PROJ: FILE:


SCALE OF METRES  
N.T.S

STANDARD DRAWING FOR TRAFFIC SIGNALS TRAFFIC SIGNAL MA and JUMA OVERHEAD LANTERN MOUNTING ASSEMBLY				
FILE NO.	CONTRACT NO. SITE	SHEET NO.	DRAWING NO. TC-1106	ISSUE B



**SECTION A-A**  
NOT TO SCALE


5/11/2020 2:16:20 PM Default tc-1107B.dgn

E				<div>GENERAL NOTES</div> <div>1. ALL DIMENSIONS IN MILLIMETERS</div> <div>2. FOR USE WITH:</div> <div>TC-1068, TC1120, TC-1121 AND TC-1122</div>	DESIGNED				ITS STANDARD DRAWINGS MA, JUMA, JUP and RSLP BASEPLATE DETAIL				
D					R.S. 17/02/00								
C					APPROVED								
B					B.H. 23/02/00								
A	SP	04/20	REVIEWED		CAT: Road_Design PROJ: (a) General FILE: ctb5.dgn		SCALE OF METRES NOT TO SCALE		FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1107	ISSUE A
ISSUE	APP'D	DATE	AMENDMENT			HOR VER							

E			
D			
C			
B	S.P.	04/20	UPDATE STANDARD REFERENCE
A	R.S	08/98	CROSS REFERENCE UPDATED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1.	ALL DIMENSIONS IN MILLIMETER
2.	THIS CAP FITS OVER 114.3 DIAMETER MAST ARM VERTICAL ELEMENT AND STREET LIGHTING BRACKET VERTICAL ELEMENT
3.	MATERIAL 16 SWG AND TO BE GALVANISED AFTER MANUFACTURE TO AS/NZS 4680
4.	ASSOCIATED DRAWINGS - TC 1060, TC 1061 AND TC 1106

DESIGNED	R.S. 04/06/97
APPROVED	B. HEARN 06/97
CAT: Road_Design PROJ: (a) General FILE: tc-1108B.dgn	

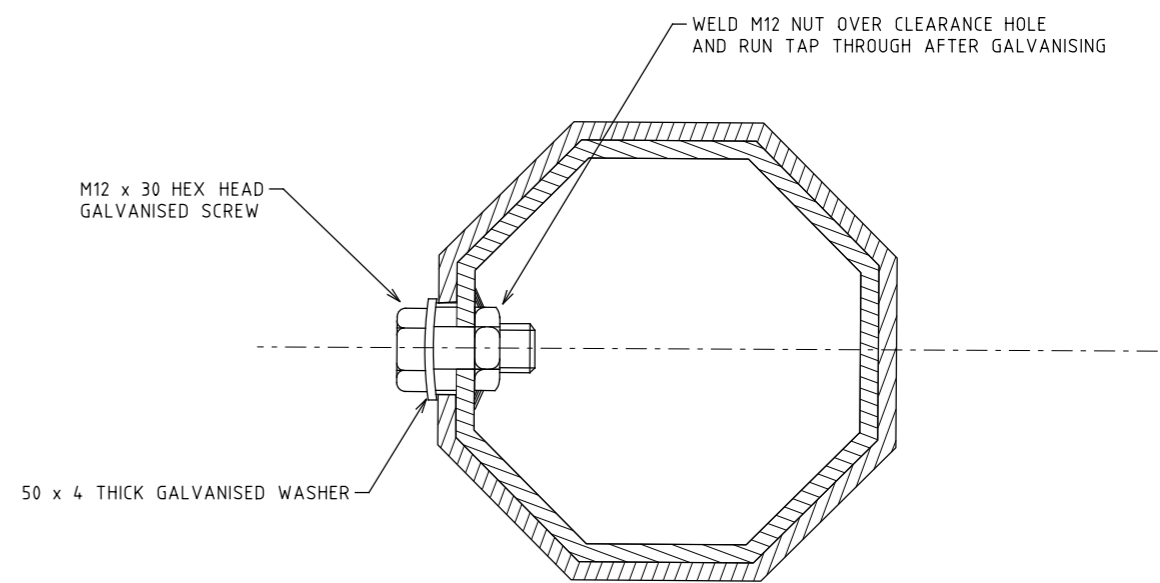
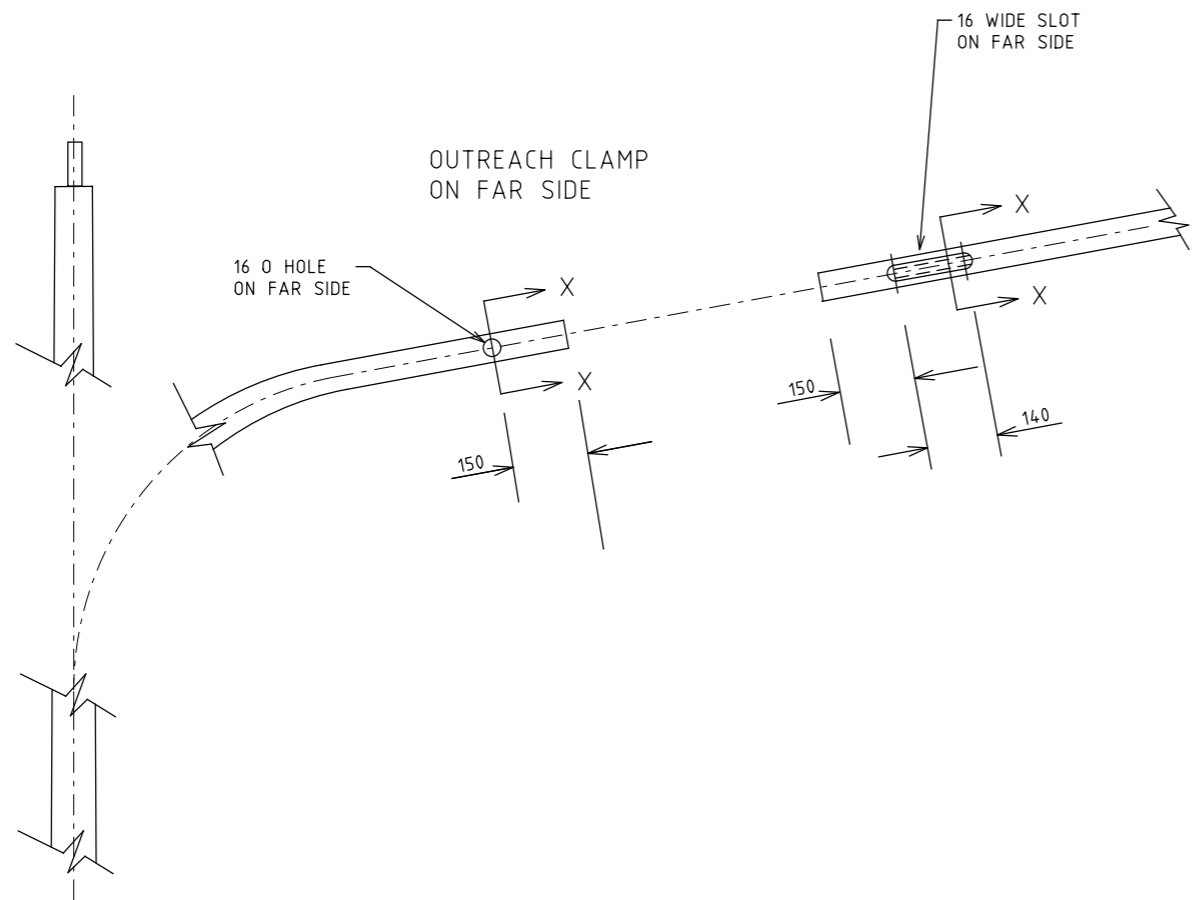


HOR

VER

SCALE OF METRES  
NOT TO SCALE

ITS STANDARD DRAWINGS					
WEATHER CAP					
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE	
			TC-1108	B	



SECTION X-X  
NOT TO SCALE

5/11/2020 2:16:21 PM Default tc-1109A.dgn

E			
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A	SP	04/20	REVIEWED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES  
1. ALL DIMENSIONS IN MILLIMETERS

DESIGNED R.S. 17/02/00
APPROVED B.H. 23/02/00
CAT: Road_Design PROJ: (a) General FILE: tc-1109A



SCALE OF METRES NOT TO SCALE
HOR VER


ITS STANDARD DRAWINGS TRAFFIC SIGNAL MA AND JUMA MAST ARM OUTREACH CLAMPING DETAILS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1109	ISSUE A

17/03/2021 8:57:46 AM Default tc-1110a.dgn

E			
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B			
A	SP	04/2020	ADDED CABLE ENTRY NOTES
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1.	ALL DIMENSIONS IN MILLIMETERS
2	FOR USE ON JU: TC-1120 JUMA: TC-1121 MA: TC-1122

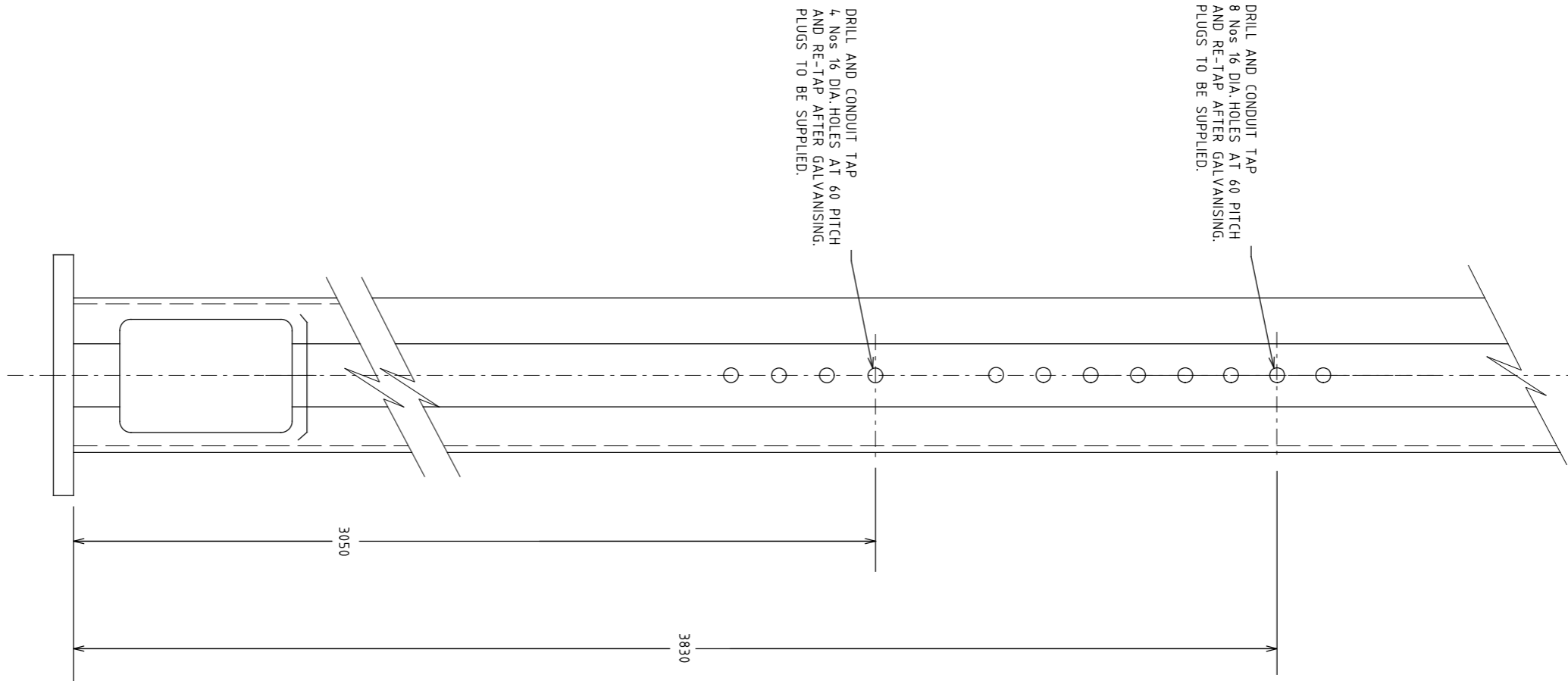
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APPROVED	B. HEARN 23.02.00
CAT: Road_Design PROJ: (a) General FILE: tc-1110a.dgn	

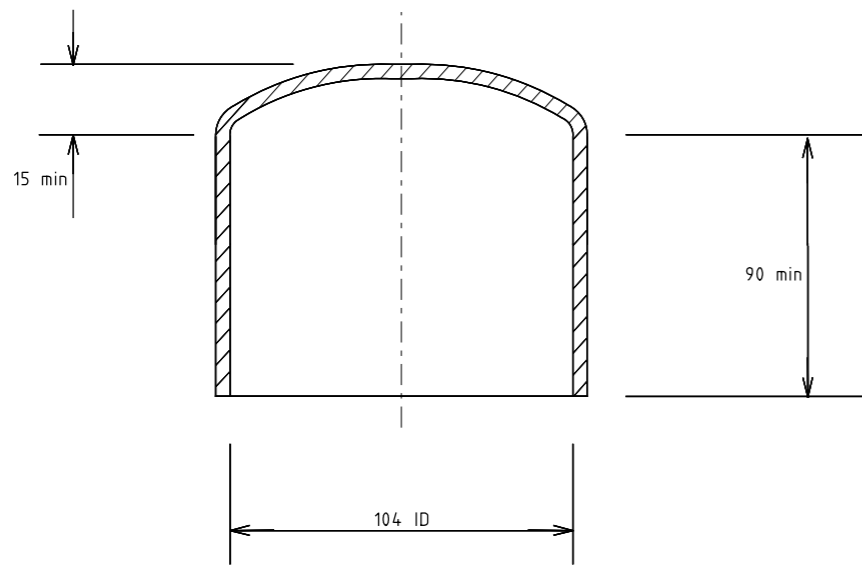


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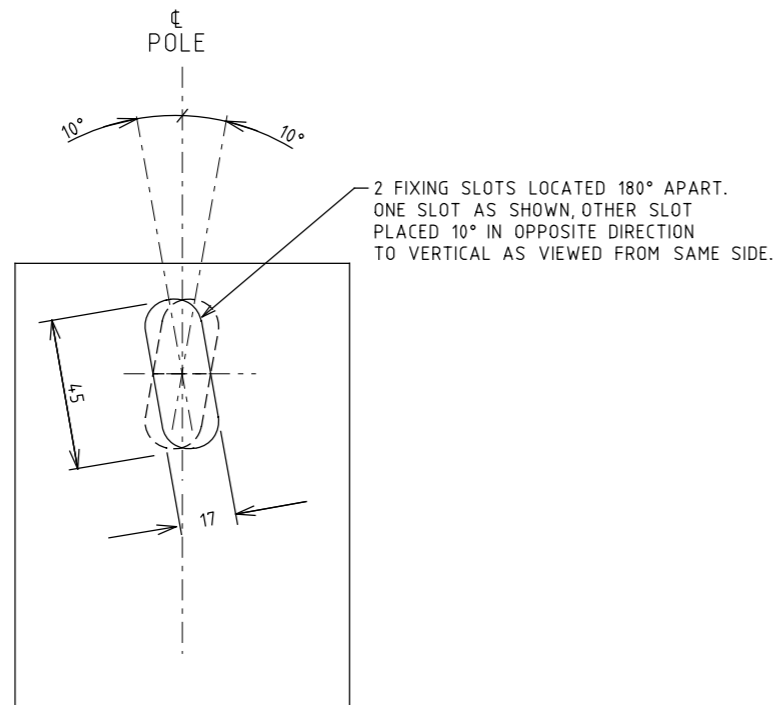
SCALE OF METRES  
NOT TO SCALE

ITS STANDARD DRAWINGS TRAFFIC SIGNAL MA AND JUMA COLUMN CONDUIT ENTRY DETAIL				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1110	ISSUE A

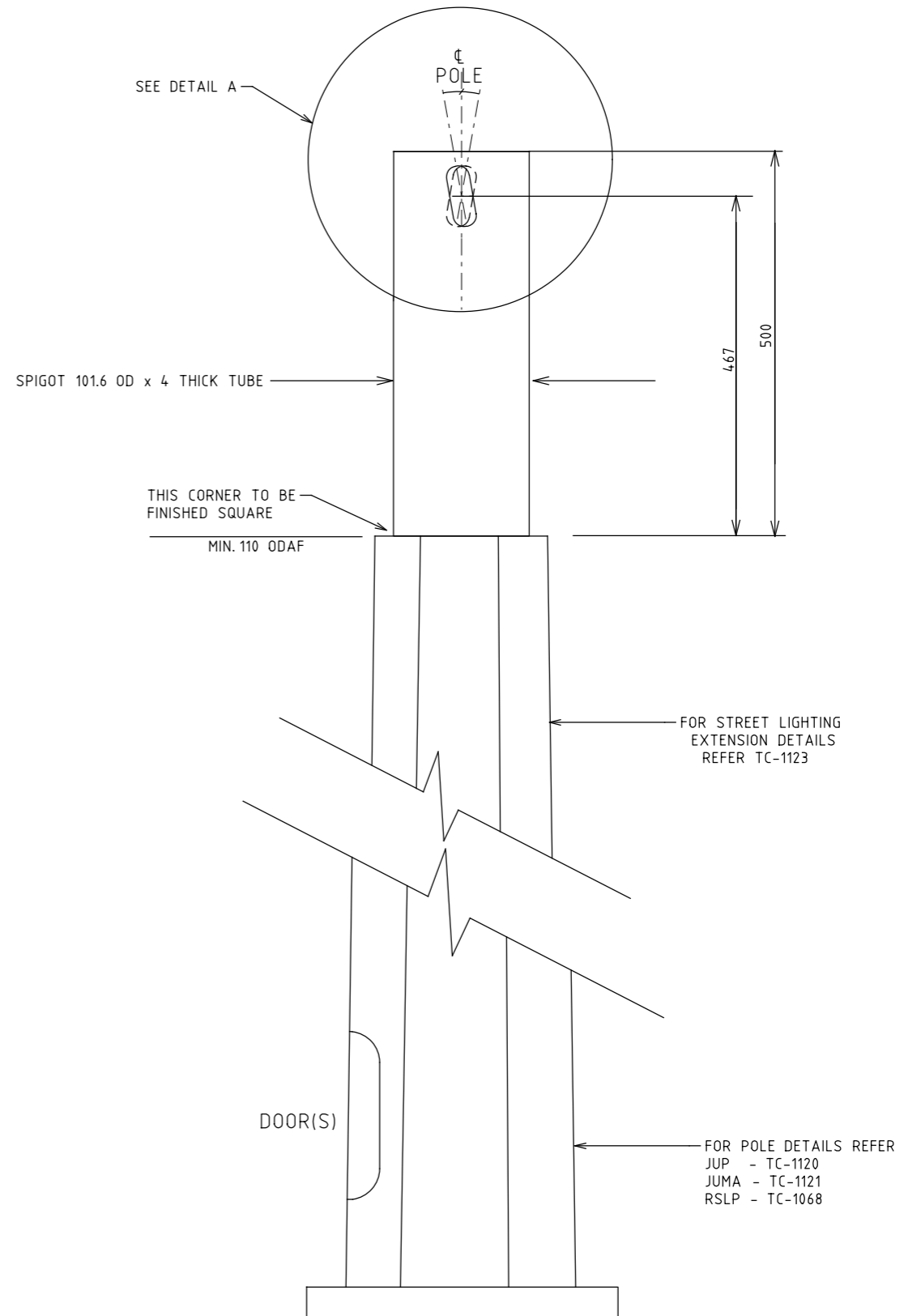




SPIGOT CAP  
NOT TO SCALE



DETAIL A  
NOT TO SCALE



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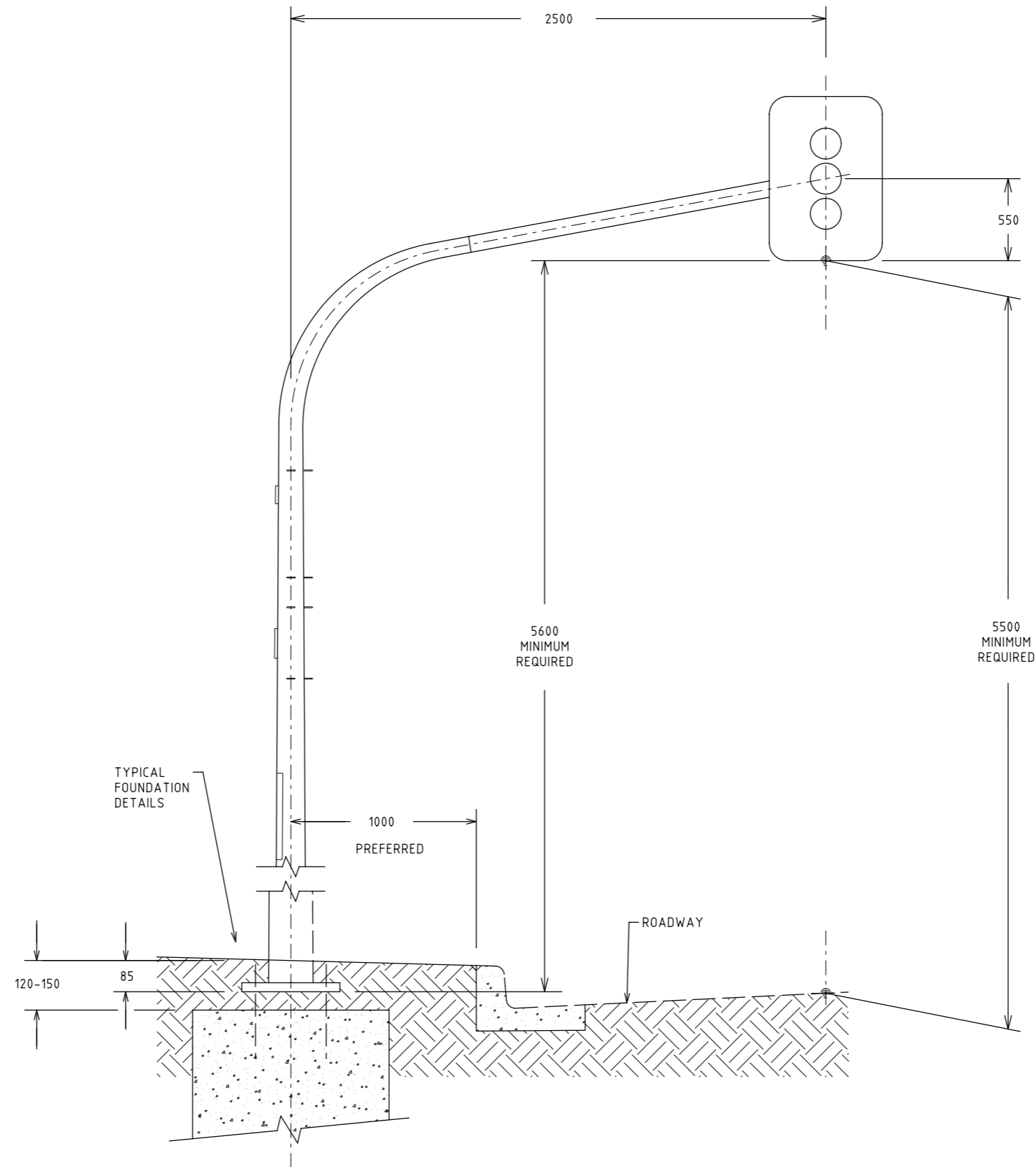
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A	SP	04/2020	REFERENCE UPDATED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1.	ALL DIMENSIONS IN MILLIMETERS
2.	SPIGOT CAP FITS OVER 101.6 dia SPIGOT ON ALL POLES FOR STREET LIGHTING MATERIAL: 16 SWG TO BE GALVANIZED AFTER MANUFACTURE TO AS 4680.

DESIGNED	R.S. 17.02.00
APPROVED	B.H. 23.02.00
CAT: Road_Design PROJ: (a) General FILE: tc-1111A.dgn	

SCALE OF METRES NOT TO SCALE	
HOR	VER

ITS STANDARD DRAWINGS JUMA, JUP AND RSLP STREET LIGHTING EXTENSIONS SPIGOT DETAIL AND SPIGOT CAP				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1111	A




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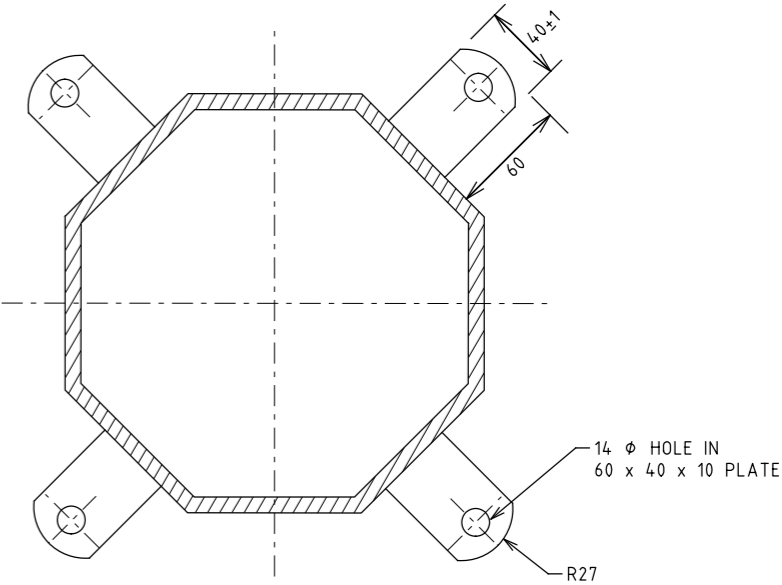
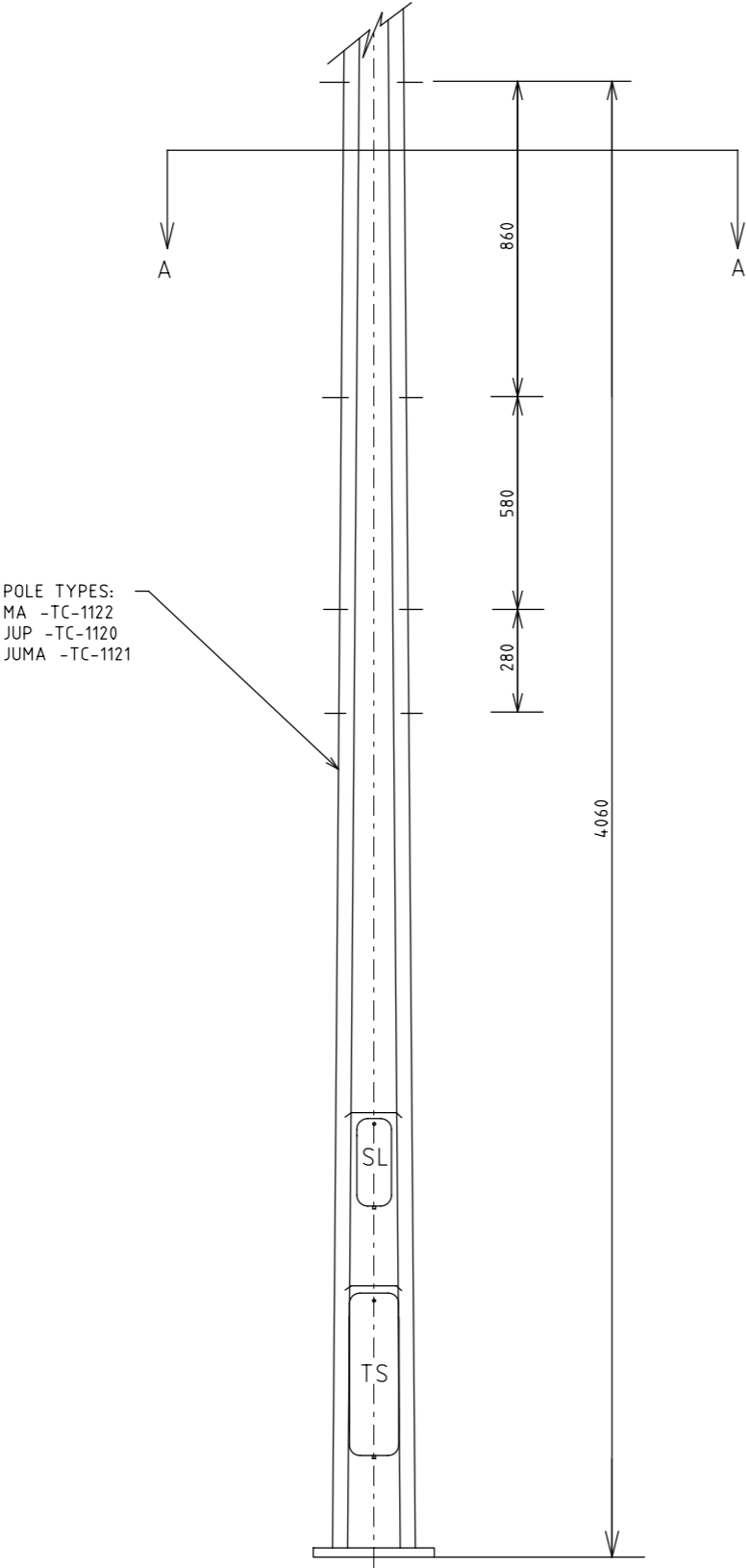
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A	SP	04/2020	REVIEWED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. ALL DIMENSIONS IN MILLIMETERS

DESIGNED
L. FRENCH 13.10.00
APPROVED
B. HEARN 13.10.00
CAT: Road_Design
PROJ: (a) General
FILE: tc-1112A.dgn

	SCALE OF METRES
	NOT TO SCALE
HOR	VER

ITS STANDARD DRAWINGS				
TYPICAL 5.5m MAST ARM INSTALLATION				
(2.5m OUTREACH)				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1112	A



SECTION A-A  
NOT TO SCALE

5/11/2020 2:16:22 PM Default tc-1113A.dgn

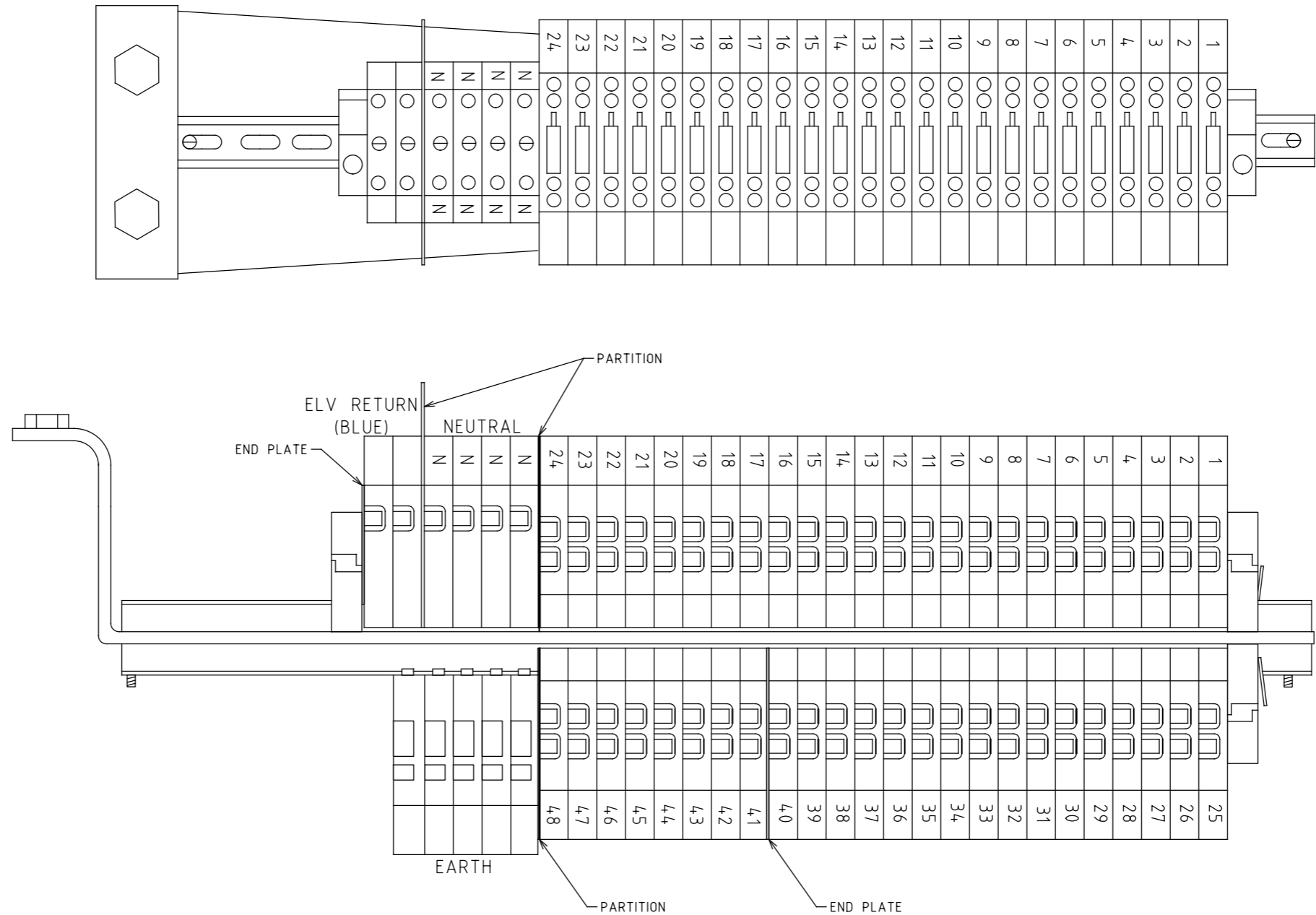
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A	SP	04/2020	REVIEWED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES
1. ALL DIMENSIONS IN MILLIMETERS

DESIGNED
R.S. 17.02.00
APPROVED
B.H. 23.02.00
CAT: Road_Design
PROJ: (a) General
FILE: tc-1113A.dgn

	SCALE OF METRES
	NOT TO SCALE
HOR	VER

ITS STANDARD DRAWINGS MA, JUMA AND JUP LANTERN SUPPORT DETAIL				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1113	A



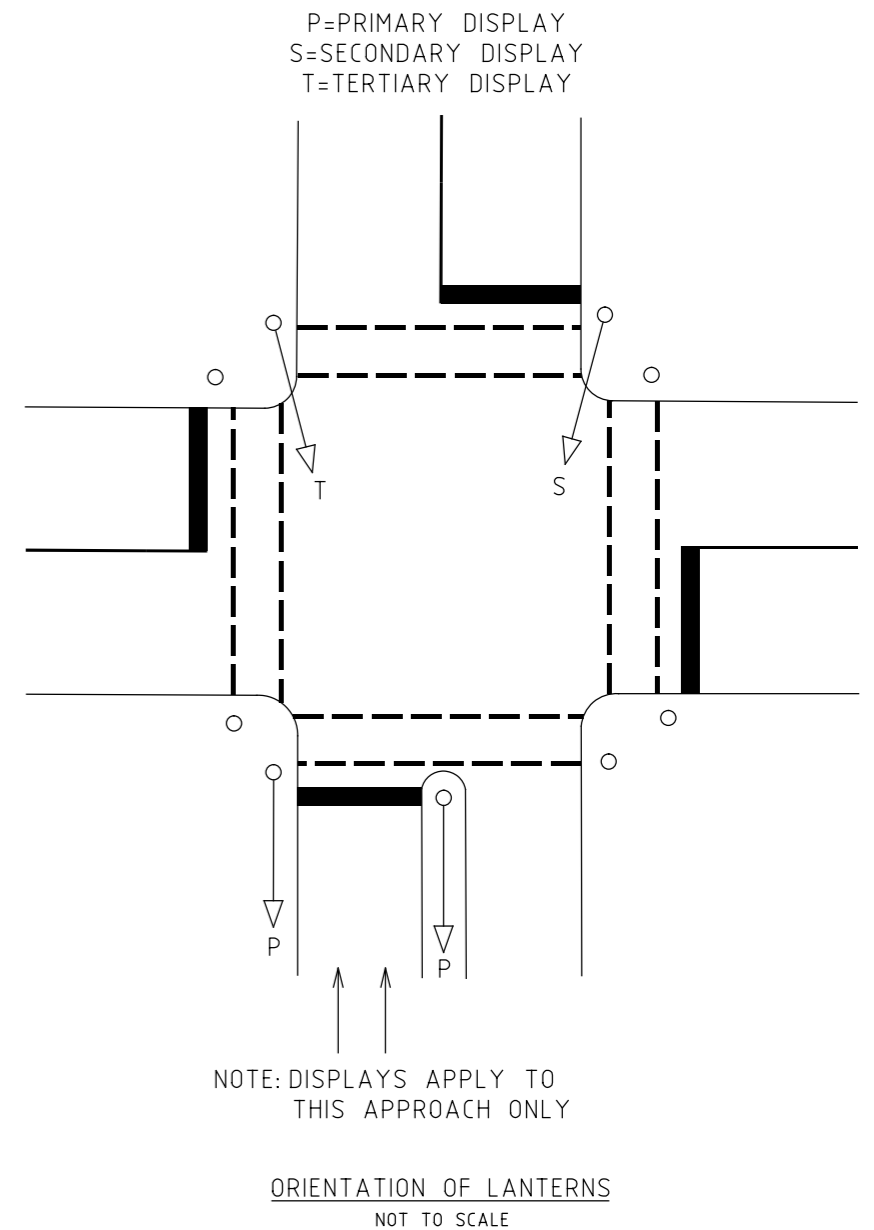
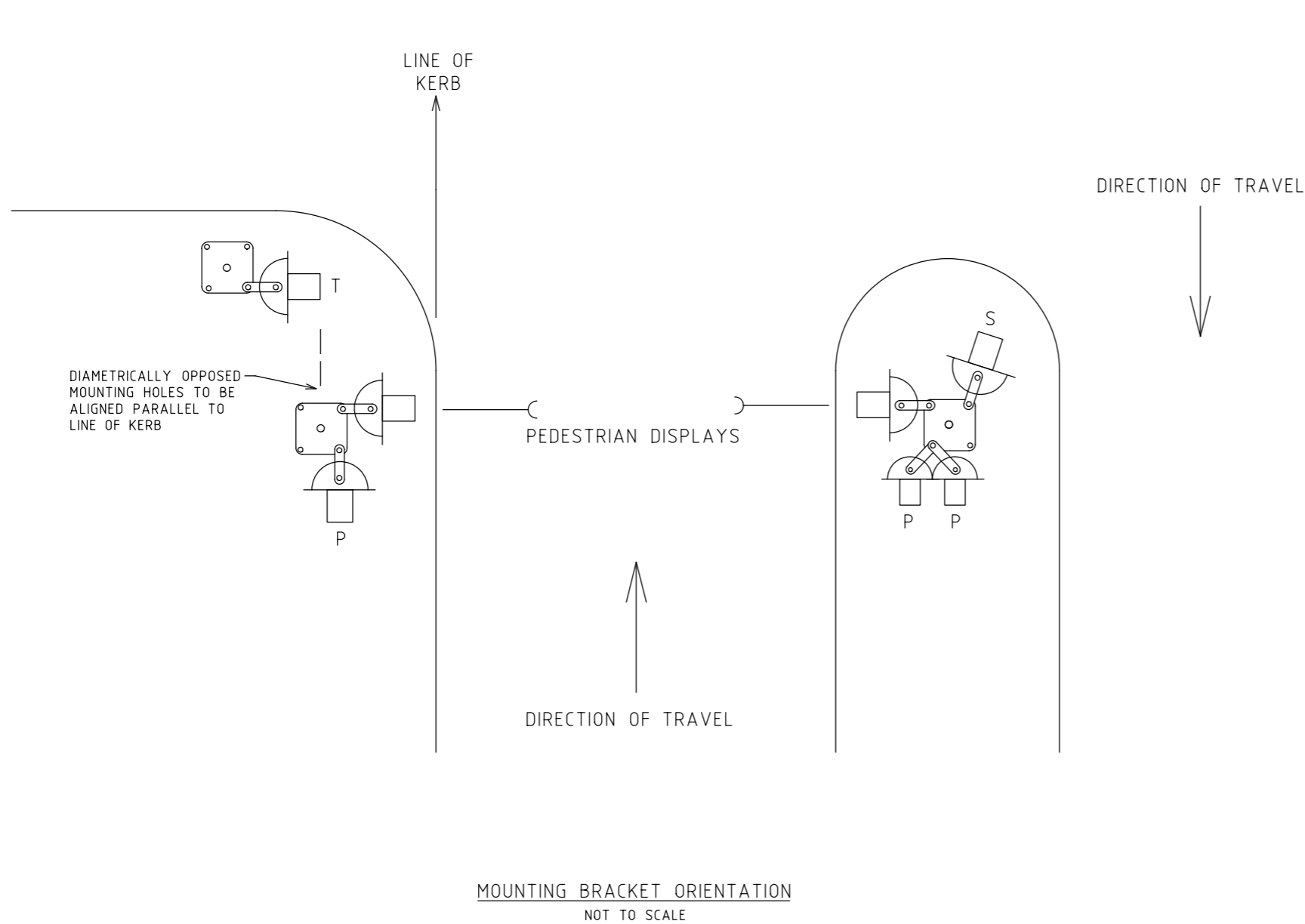
E			
D			
C			
B	SP	04/2020	DUAL CONNECTOR TERMINAL
A	SP	05/2010	INCREASE IN SIZE OF NEUTRAL AND EARTH TERMINALS*
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1.	ALL DIMENSIONS IN MILLIMETERS
2.	TERMINALS MARKED "N" CROSSED CONNECTED
3.	TERMINALS MARKED "BLUE" (ELV RETURN) CROSSED CONNECTED
4.	TERMINALS 1-48 TO BE 4mm
5.	E.L.V.RETURN TERMINALS TO BE 6mm
6.	NEUTRAL AND EARTH TERMINALS TO BE CAPABLE OF ACCEPTING CONDUCTOR UP TO 10mm CROSS SECTIONAL AREA

DESIGNED	
K.W.	07/01/02
APPROVED	
S.P.	07/01/02
CAT: Road_Design	
PROJ: (a) General	
FILE: tc-1114.dgn	

	SCALE OF METRES	
	NOT TO SCALE	
HOR		
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ITS STANDARD DRAWINGS				
51 WAY TERMINAL ASSEMBLY				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1114	B



5/11/2020 2:16:23 PM Default ttc-1115A.dgn

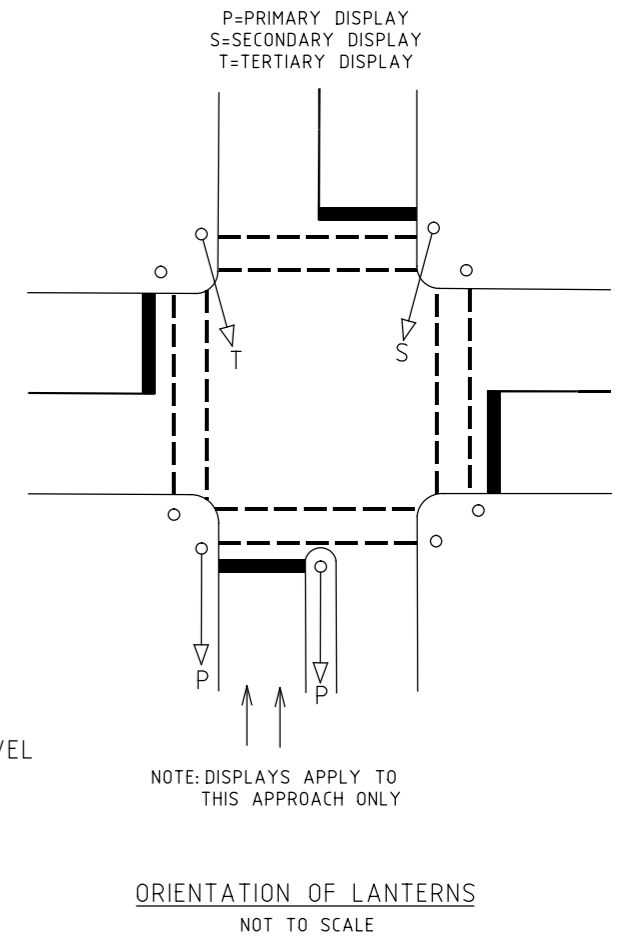
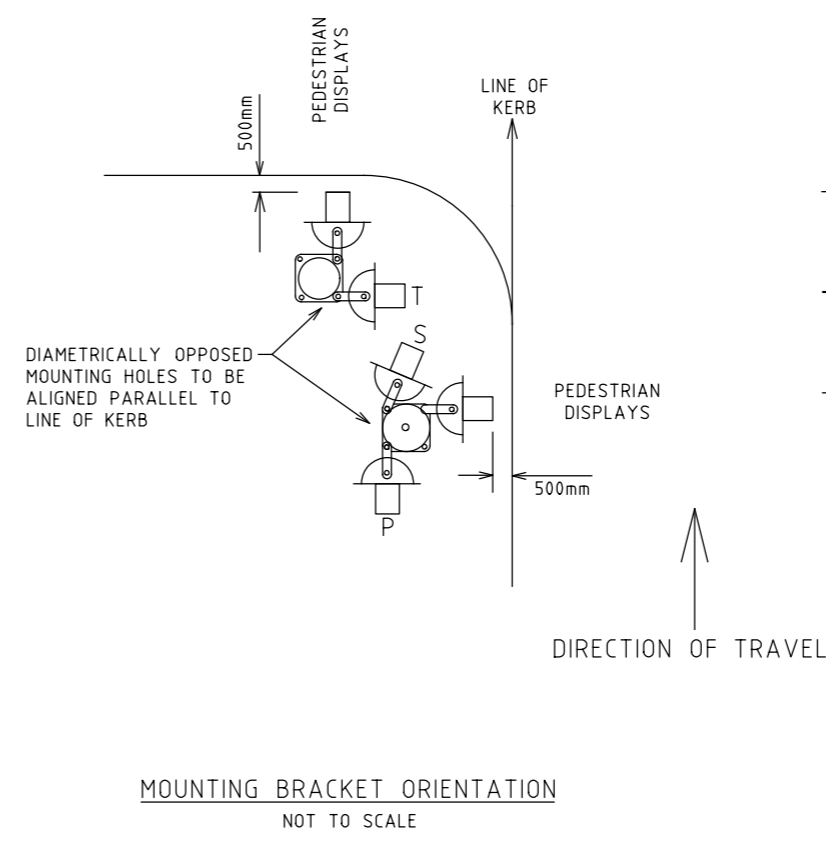
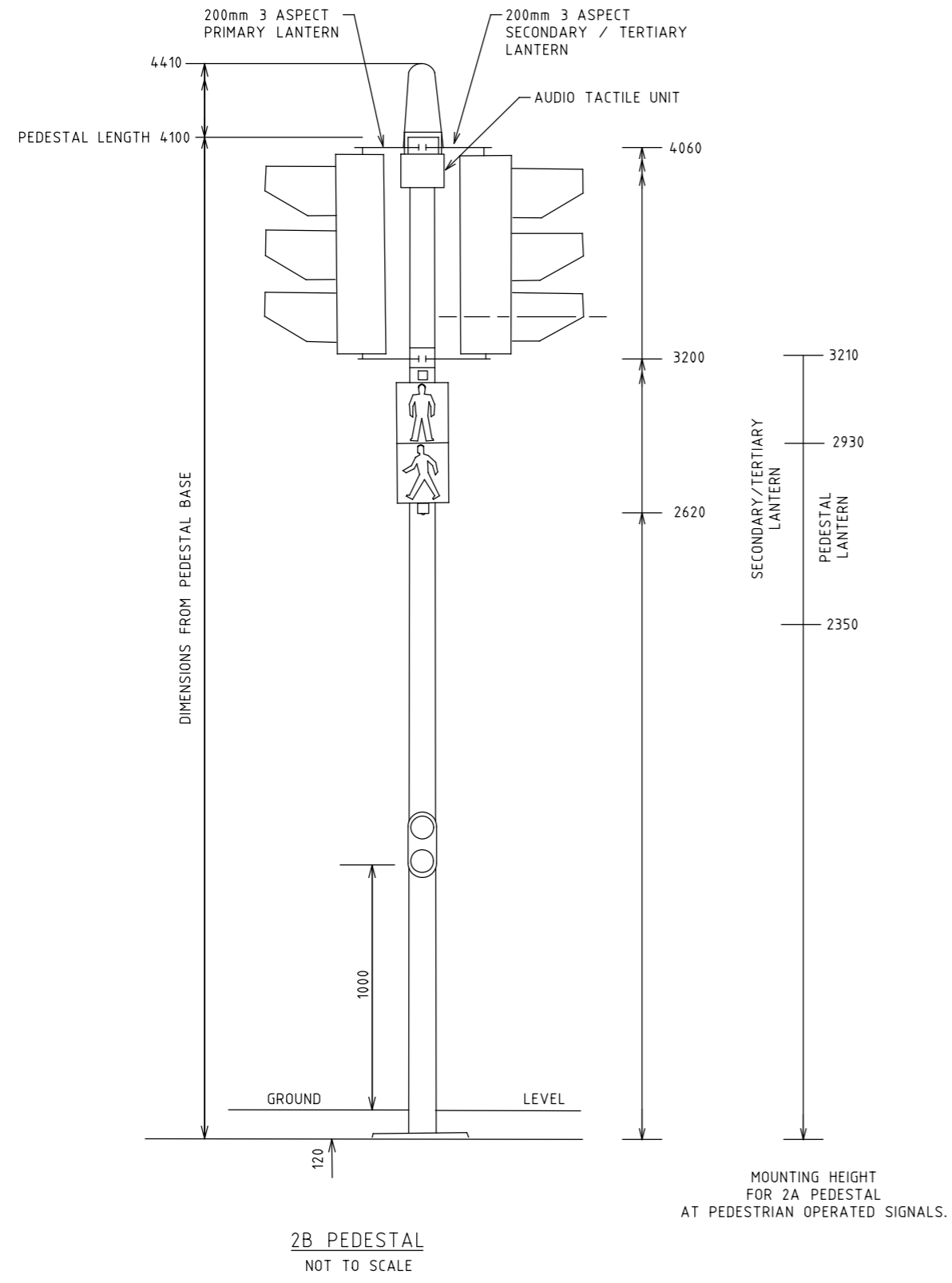
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A	SP	04/2020	REVIEWED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1. ALL DIMENSIONS IN MILLIMETERS	


DESIGNED	L. FRENCH 13.10.00
APPROVED	B. HEARN 13.10.00
CAT: Road_Design PROJ: (a) General FILE: ctb5.dgn	

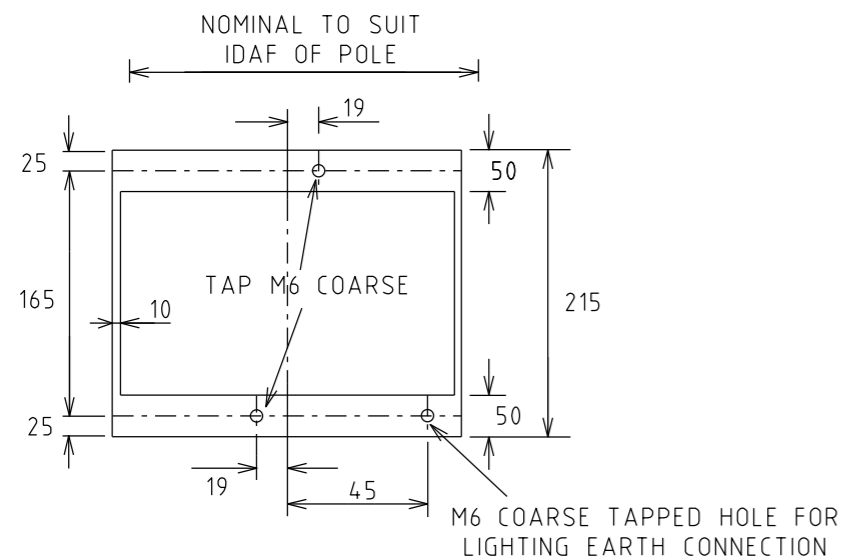
HOR	SCALE OF METRES NOT TO SCALE
VER	

ITS STANDARD DRAWINGS LANTERN AND MOUNTING BRACKET ORIENTATION				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1115	ISSUE A



5/11/2020 2:16:23 PM Default tc-1116C.dgn

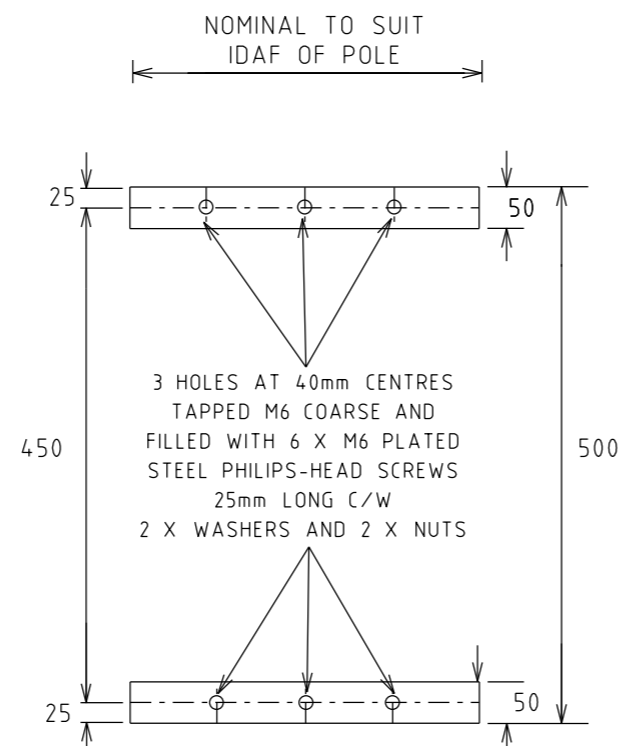
E				GENERAL NOTES 1. ALL DIMENSIONS IN MILLIMETERS	DESIGNED L. FRENCH 13.10.00			ITS STANDARD DRAWINGS TRAFFIC SIGNAL MOUNTING ARRANGEMENTS				
D					APPROVED B. HEARN 13.10.00							
C	SP	04/2020	ADDED DETAIL		CAT: Road_Design		SCALE OF METRES NOT TO SCALE	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1116	ISSUE C
B	SP	02/2008	INCLUDE BOTH AUDIO DRIVERS		PROJ: (a) General							
A		05/2001	2A DETAILS		FILE: tc-1116C.dgn							
ISSUE	APP'D	DATE	AMENDMENT			HOR VER						



STREET LIGHTING MOUNTING PLATE  
NOT TO SCALE

NOTES:

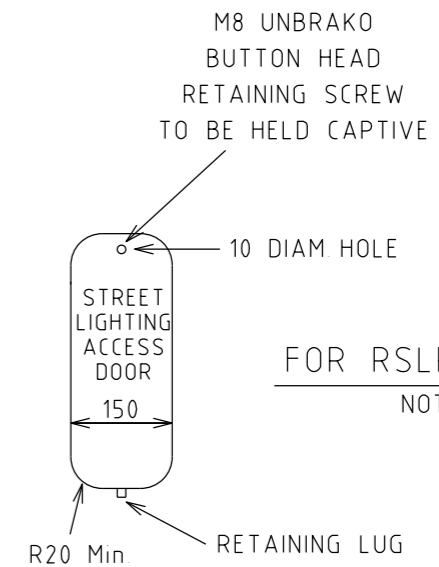
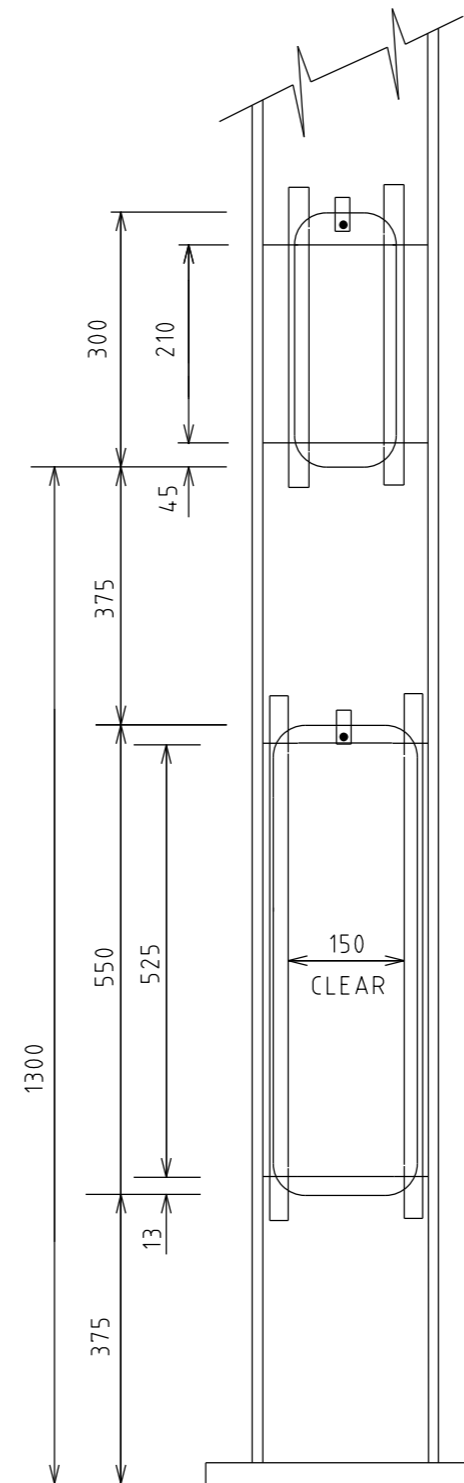
1. 215 x IDAF x 3 THICK PLATED STEEL SHEET WITH 3 TAPPED HOLES M6 COARSE
2. TO BE SUPPLIED WITH 3 X No 20mm LONG M6 ZINC PLATED HEXAGONAL HEAD AND PHILIPS DRIVE SET SCREWS.
3. STREET LIGHTING MOUNTING TERMINATION SUPPORT PLATES BE SET BACK AT LEAST 100mm BEHIND STREET LIGHTING ACCESS DOOR



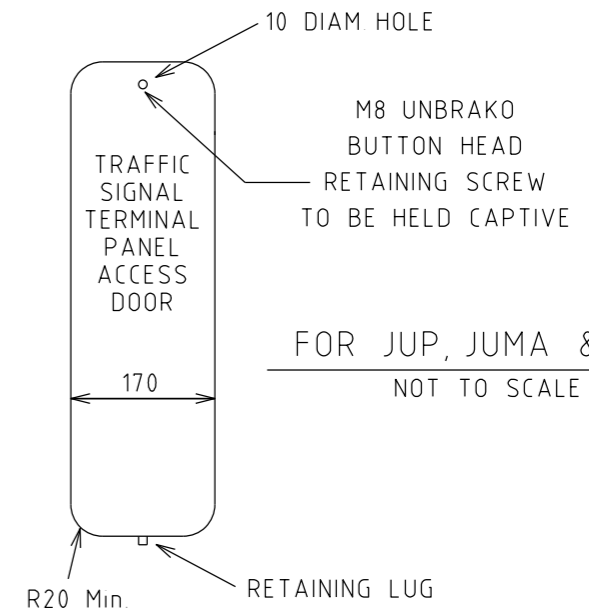
TRAFFIC SIGNAL TERMINATION SUPPORT PLATE  
NOT TO SCALE

NOTES

1. 2 No of 50 x IDAF x 3 THICK PLATED STEEL SHEET
2. TRAFFIC SIGNAL TERMINATION SUPPORT PLATES SHALL BE SET BACK AT LEAST 100mm BEHIND ACCESS DOOR



FOR RSLP, JUP & JUMA  
NOT TO SCALE



FOR JUP, JUMA & MA  
NOT TO SCALE

E			
D			
C			
B	ZS	09/2022	INCLUDE EARTHING CONNECTION FOR STREET LIGHTING
A	RS	08/2001	EARTHING AND RETAINING SCREW
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES  
1 ALL DIMENSIONS IN MILLIMETERS  
2 FOR USE WITH TC-1018, TC-1120, TC-1121, TC-1122

DESIGNED  
RS 17 02 00

APPROVED  
BH 23 02 00

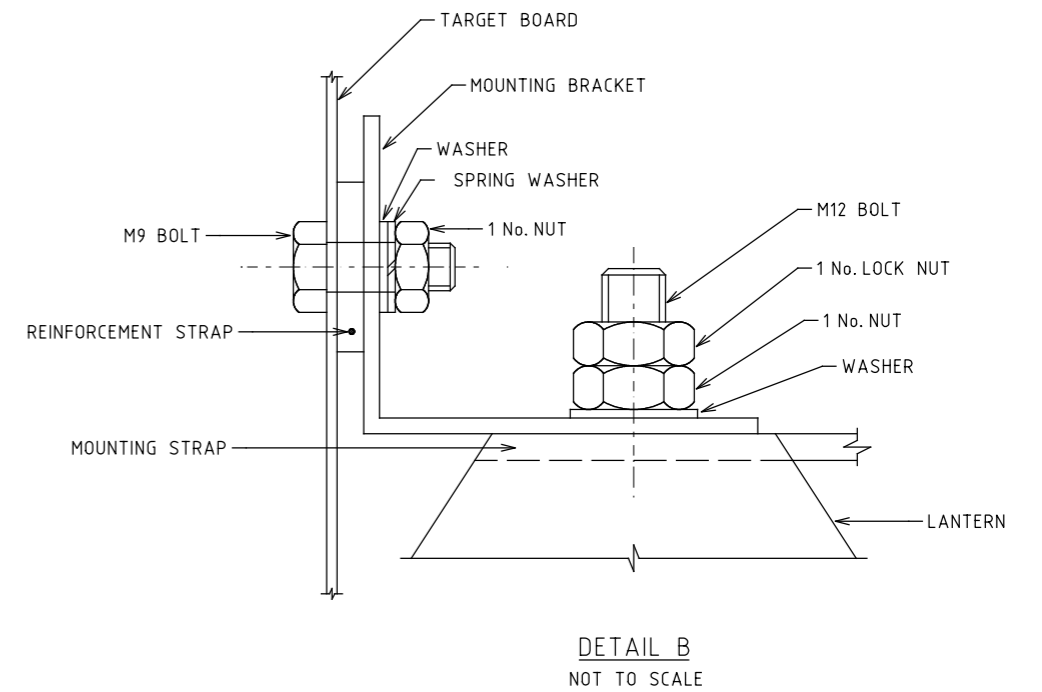
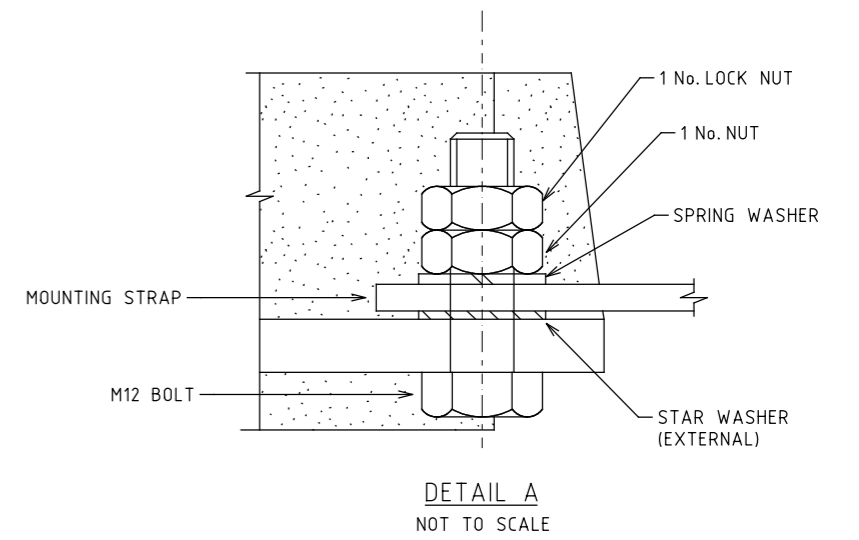
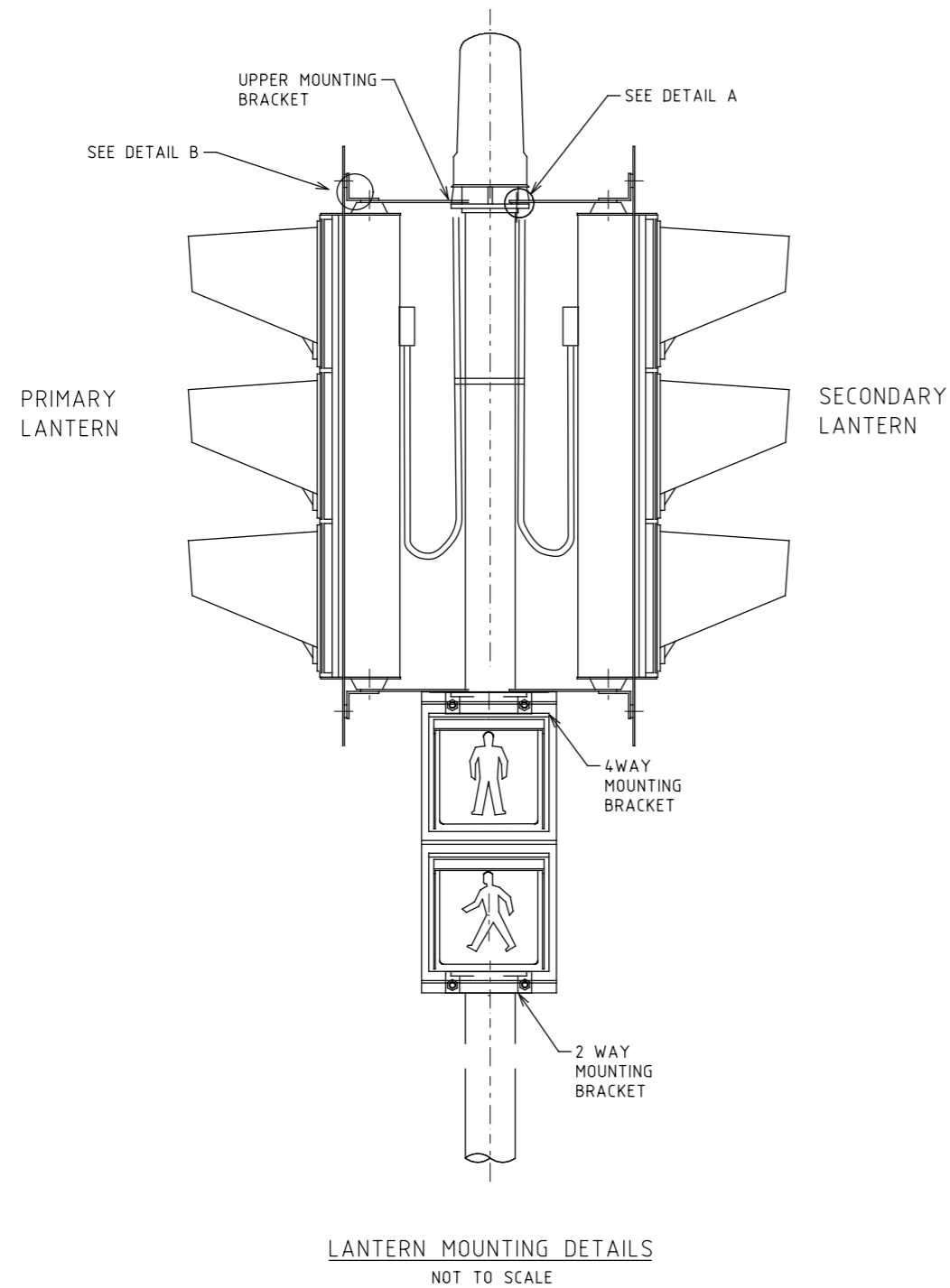
CAT Road Design  
PROJ (a)General  
FILE TC-118a.dgn



SCALE OF METRES  
HOR  
VER

ITS STANDARD DRAWINGS  
DOOR OPENING AND CABLE TERMINATION  
BLOCK MOUNTING DETAILS

FILE NO	CONTRACT NO	SHEET NO	DRAWING NO TC-1118	ISSUE B
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5/11/2020 2:16:24 PM  
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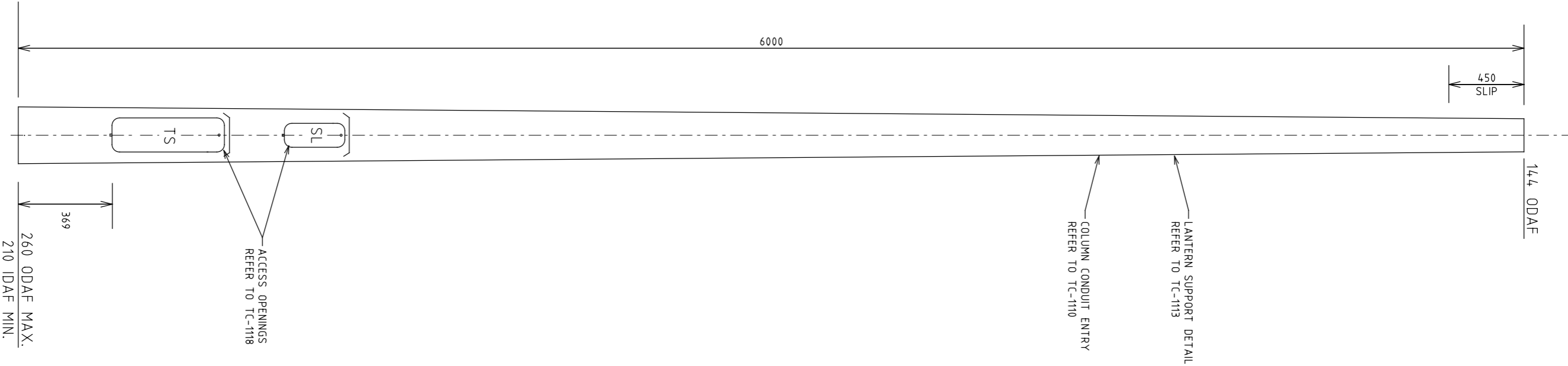
E			
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A	SP	04/2020	REVIEWED
ISSUE	APP'D	DATE	AMENDMENT


GENERAL NOTES	
1. ALL DIMENSIONS IN MILLIMETERS	

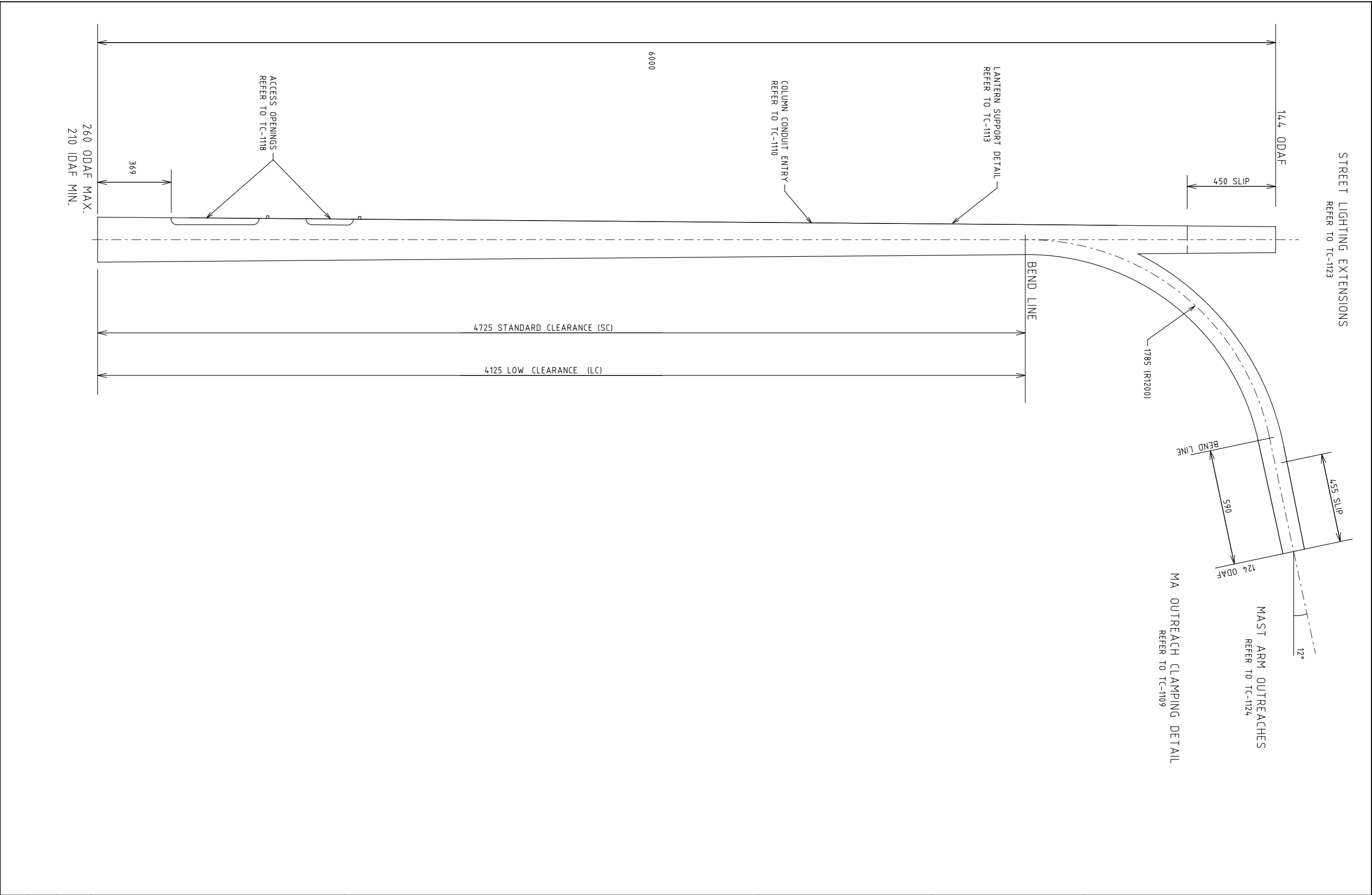
DESIGNED	L. FRENCH 13.10.00
APPROVED	B. HEARN 13.10.00
CAT: Road_Design PROJ: (a) General FILE: tc-1119A.dgn	


SCALE OF METRES NOT TO SCALE	
HOR	VER

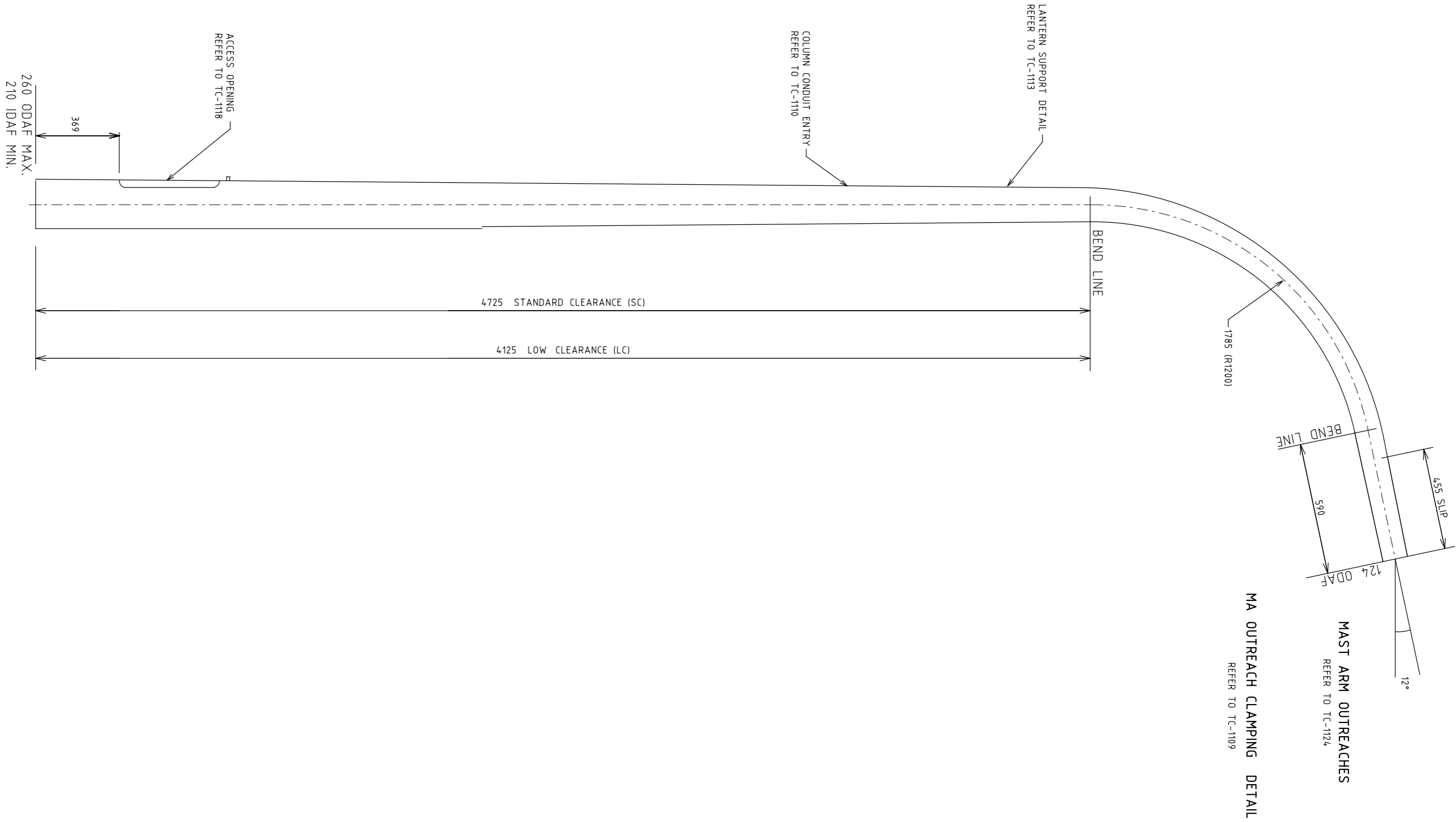
ITS STANDARD DRAWINGS LANTERN MOUNTING DETAILS					
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1119	ISSUE A	





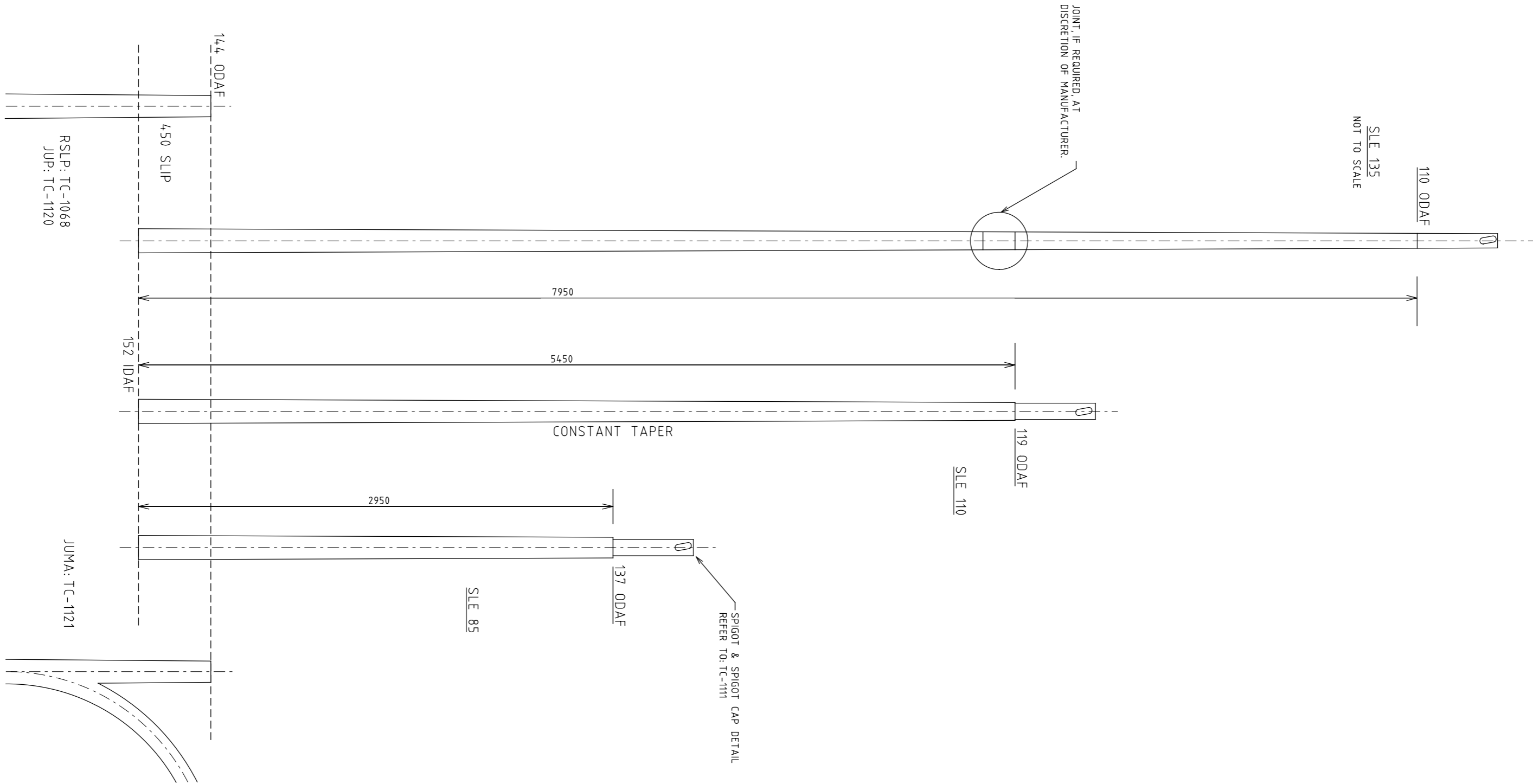
E				<div>GENERAL NOTES</div> <div>1. ALL DIMENSIONS IN MILLIMETERS</div> <div>2. IDAF - INTERNAL DIAMETER ACROSS FLATS POLE CROSS SECTION SHAPE SHALL BE DIAGONAL FOR USE WITH STREET LIGHTING EXTENSIONS UP TO A MAXIMUM LUMINAIRE MOUNTING HEIGHT OF 15m</div>	DESIGNED				ITS STANDARD DRAWINGS JUP BASE SECTION				
D					R.S. 17.02.00								
C					APPROVED								
B					B.H. 23.02.00								
A	SP	04/2020	REVIEWED		CAT: Road_Design PROJ: (a) General FILE: tc-1120A.dgn		HOR VER	SCALE OF METRES NOT TO SCALE	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1120	ISSUE A
	ISSUE	APP'D	DATE	AMENDMENT									



E				<div>GENERAL NOTES</div> <div>1. ALL DIMENSIONS IN MILLIMETERS</div> <div>2. IDAF - INTERNAL DIAMETER ACROSS FLATS POLE CROSS SECTION SHAPE SHALL BE OCTAGONAL FOR USE WITH MAST ARM OUTREACHES TC-1124.</div>	DESIGNED				ITS STANDARD DRAWINGS JUMA BASE SECTION				
D					R.S. 17.02.00								
C					APPROVED								
B	SP	04/2020	REVIEWED		B.H. 23.02.00								
A	LF	01/2001	STANDARD AND LOW CLEARANCES										
ISSUE	APP'D	DATE	AMENDMENT		CAT: Road_Design		SCALE OF METRES NOT TO SCALE		FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
					PROJ: (a) General		HOR					TC-1121	B
					FILE: tc-1121B.dgn		VER						



E				GENERAL NOTES 1. ALL DIMENSIONS IN MILLIMETERS 2. IDAF - INTERNAL DIAMETER ACROSS FLATS POLE CROSS SECTION SHAPE SHALL BE OCTAGONAL FOR USE WITH MAST ARM OUTREACHES TC-1124	DESIGNED R.S. 17.02.00			ITS STANDARD DRAWINGS MA BASE SECTION				
D					APPROVED B.H. 23.02.00							
C					CAT: Road_Design PROJ: (a) General FILE: tc-1122B.dgn		SCALE OF METRES NOT TO SCALE 	FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1122	ISSUE B
B	SP	04/2020	CORRECT LC DIMENSION									
A	LF	01/2001	STANDARD AND LOW CLEARANCES ADDED									
ISSUE	APP'D	DATE	AMENDMENT									



E			
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A	SP	04/2020	REVIEWED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES  
1. ALL DIMENSIONS IN MILLIMETERS  
2. ALL STREET LIGHTING EXTENSION SECTIONS ARE OCTAGONAL.

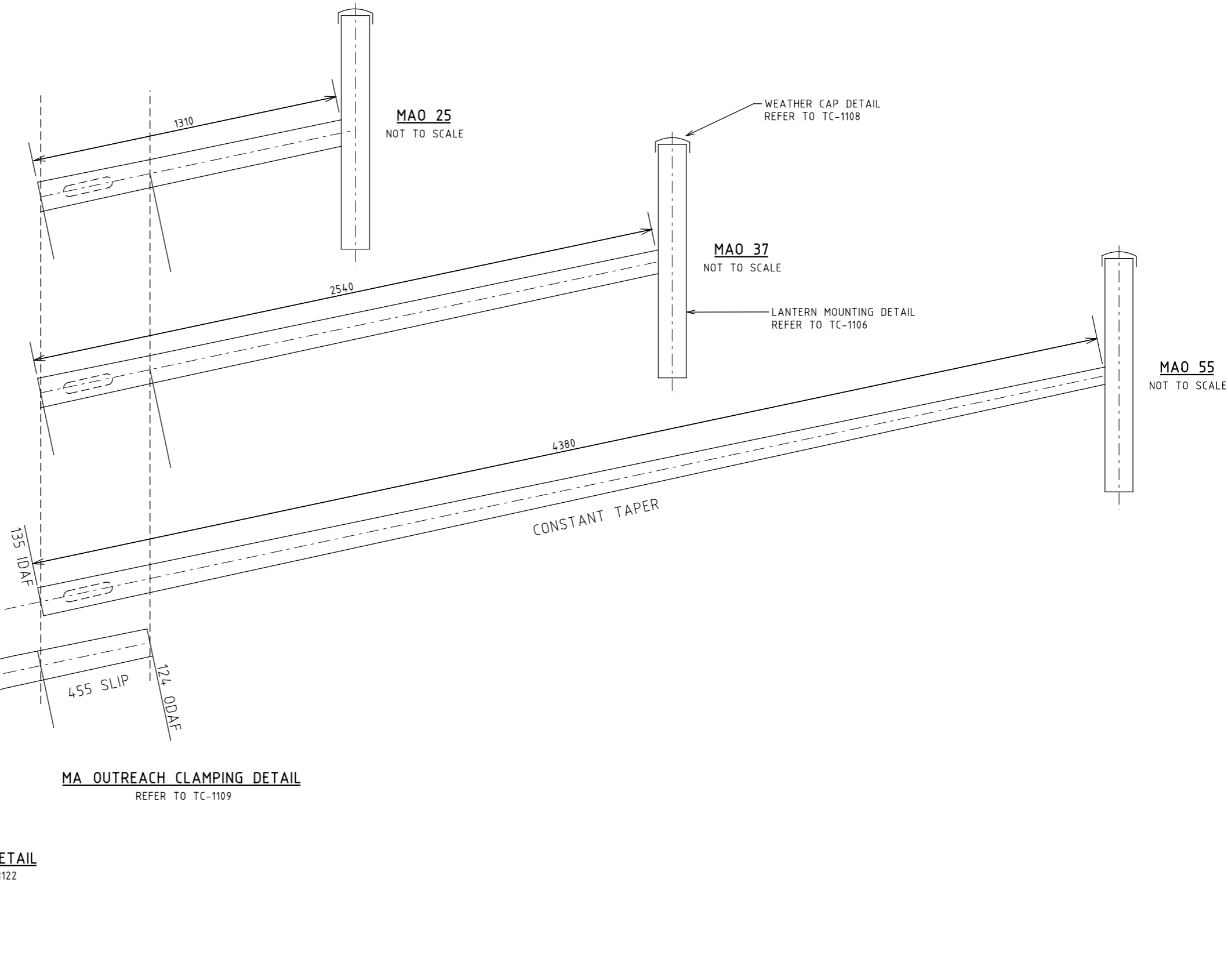
DESIGNED R.S. 17.02.00
APPROVED B.H. 23.02.00
CAT: Road_Design PROJ: (a) General FILE: tc-1123A.dgn



SCALE OF METRES NOT TO SCALE
HOR VER

ITS STANDARD DRAWINGS  
JUMA, JUP AND RSLP  
STREET LIGHTING EXTENSION SECTIONS

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1123	ISSUE A
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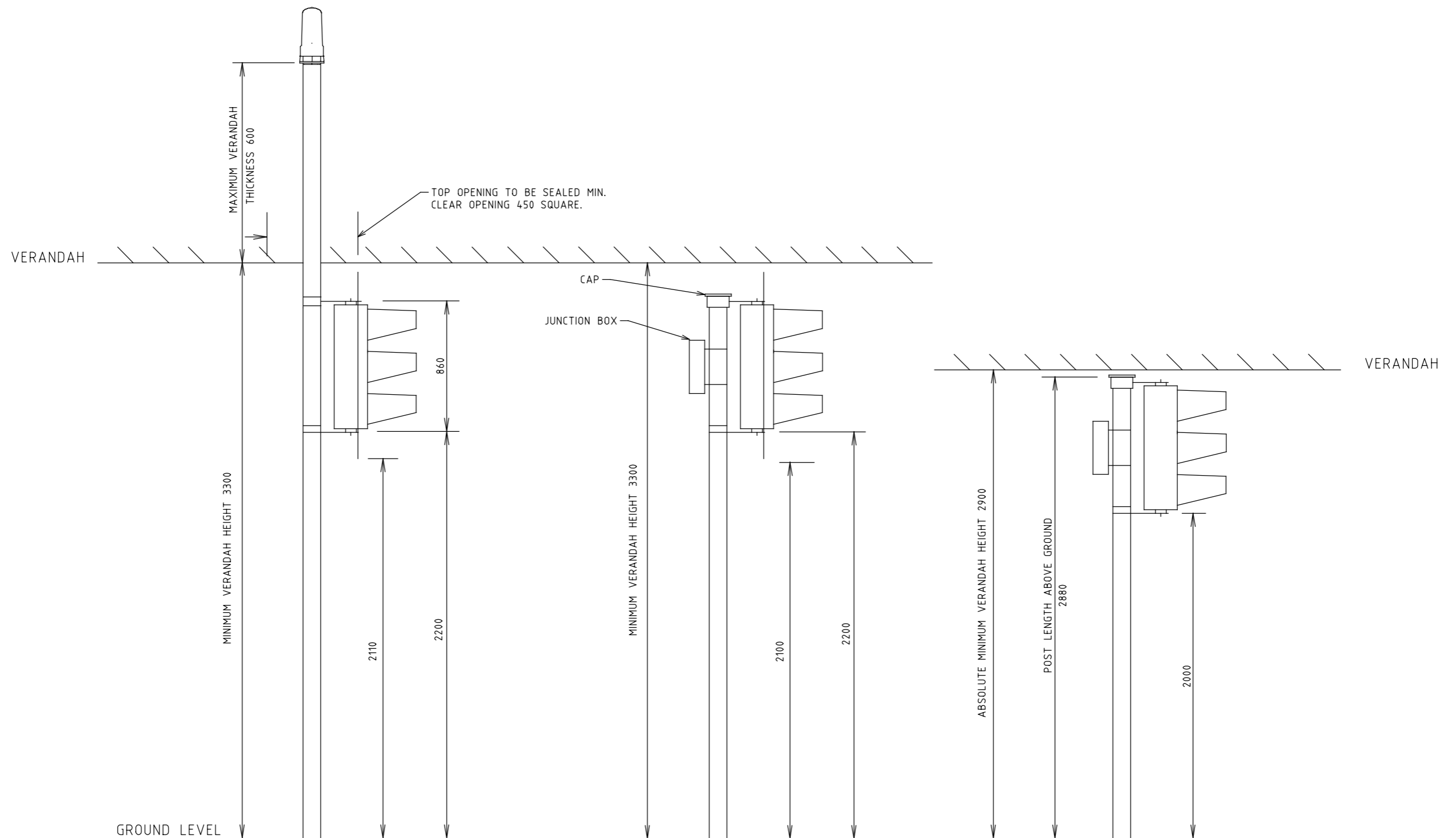
5/11/2020 2:16:26 PM Default tc-1124A.dgn

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A	SP	04/2020	REVIEWED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1. ALL DIMENSIONS IN MILLIMETERS	
2. ALL MAST ARM OUTREACHES ARE OCTAGONAL	

DESIGNED	
R.S. 17.02.00	
APPROVED	
B.H. 23.02.00	SCALE OF METRES NOT TO SCALE
CAT: Road_Design	
PROJ: (a) General	HOR
FILE: tc-1124A.dgn	VER

ITS STANDARD DRAWINGS MA AND JUMA OUTREACH SECTIONS					
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE	
			TC-1124	A	



TYPE 2B POST THROUGH VERANDAH  
WITH 200mm LANTERN AND TARGET  
BOARD MOUNTED AT LOW HEIGHT.  
SIMILAR PROVISIONS APPLY TO  
MAST ARMS, JOINT USE MAST ARMS,  
AND JOINT USE POLES.

TYPE 2A POST WITH TOP SEALED  
AND CABLES TERMINATING IN  
JUNCTION BOX.  
200mm LANTERN AND TARGET BOARD  
MOUNTED AT LOW HEIGHT.  
PROVISION FOR EARTHING TO BE REPLACED.

SPECIAL SHORTENED POST WITH TOP  
SEALED AND CABLES TERMINATING  
IN JUNCTION BOX.  
200mm LANTERN WITHOUT TARGET BOARD MOUNTED.  
ABSOLUTE MINIMUM CLEARANCE OF 2000  
BELOW LANTERN.  
PROVISION FOR EARTHING TO BE REPLACED.

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A	SP	04/2020	LANTERN AND POLE HEIGHTS UPDATED
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES  
1. ALL DIMENSIONS IN MILLIMETERS  
2. BASE PLATE LOCATED 120 BELOW GROUND.  
3. MINIMUM VERANDAH HEIGHT FOR STANDARD POSTS

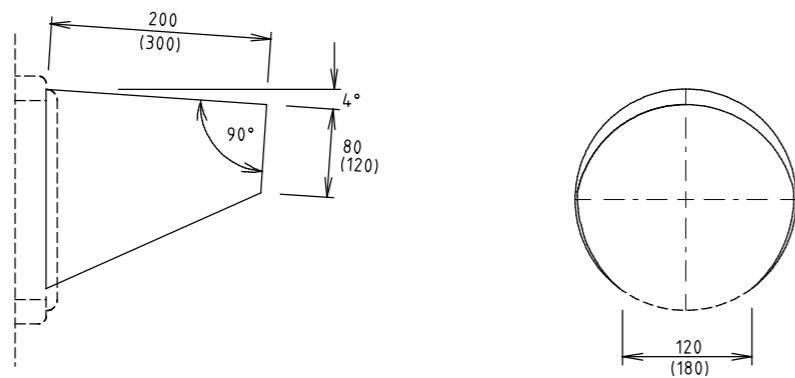
DESIGNED L. FRENCH 13.10.00
APPROVED B. HEARN 13.10.00
CAT: Road_Design PROJ: (a) General FILE: tc-1126A.dgn



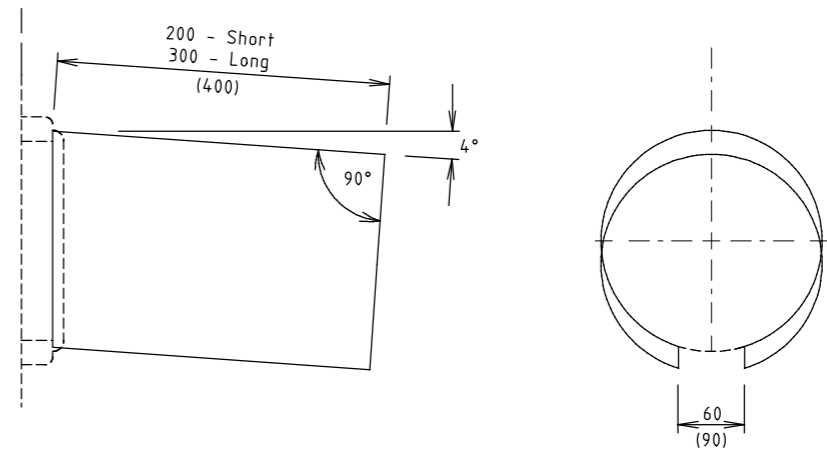
SCALE OF METRES NOT TO SCALE
HOR VER

ITS STANDARD DRAWINGS  
PEDESTAL LOCATION THROUGH OR  
UNDER VERANDAHS

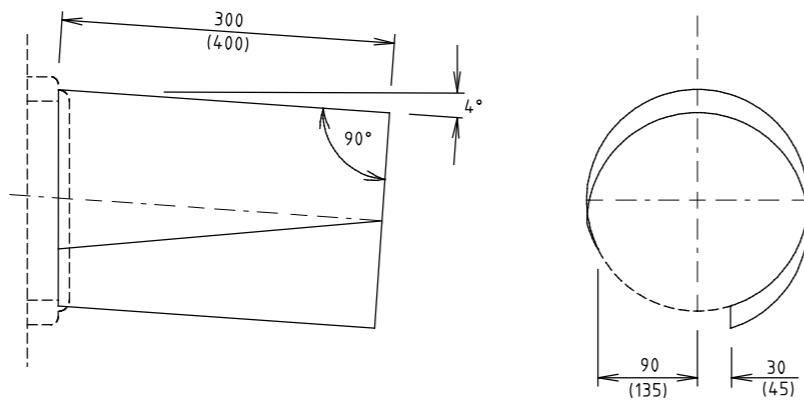
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1126	ISSUE A
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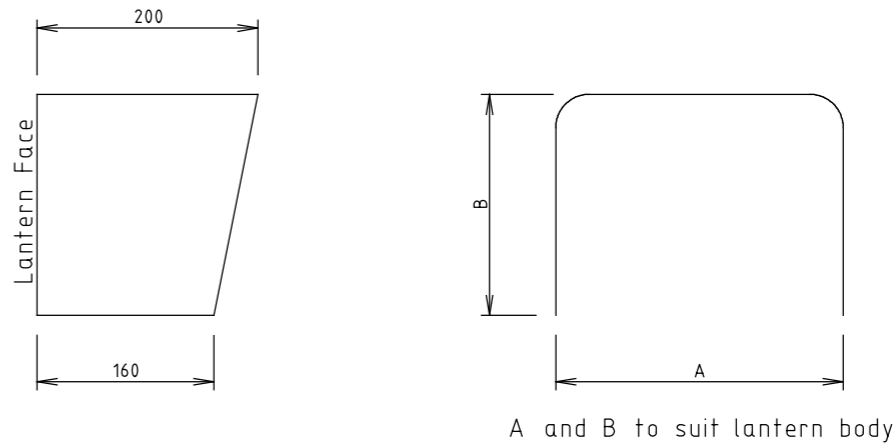
TYPE 1.OPEN VISOR  
NOT TO SCALE



TYPE 3.CLOSED VISOR  
NOT TO SCALE



TYPE 2.CUT AWAY VISOR  
NOT TO SCALE  
TYPE 2RH SHOWN FOR MOUNTING ON RIGHT HAND SIDE OF ROAD.  
TYPE 2LH MIRROR IMAGE FOR MOUNTING ON LEFT HAND SIDE OF ROAD.



TYPE 4.PEDESTRIAN VISOR  
NOT TO SCALE  
FOR TYPE 1 PEDESTRIAN LANTERN

5/11/2020 2:16:35 PM Default tc-1127B.dgn

E			
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B	SP	04/2020	REVIEWED
A	SB	03/2007	INCLUSION OF 200mm SHORT TYPE 3 VISOR
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES  
1. ALL DIMENSIONS IN MILLIMETERS  
2. DIMENSIONS IN BRACKETS APPLY TO 300mm LANTERNS  
3. ALL OTHER DIMENSIONS APPLY TO 200mm LANTERNS

DESIGNED
APPROVED G.R. 04.86
CAT: Road_Design PROJ: (a) General FILE: tc-1127B.dgn



SCALE OF METRES NOT TO SCALE
HOR VER

ITS STANDARD DRAWINGS VISOR DIMENSIONS				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO. TC-1127	ISSUE B

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9:55:28 AM tc-1128B.dgn

E			
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B	SP	04/2020	DUAL CONNECTOR TERMINAL
A	SB	05/2010	INCREASE SIZE OF NEUTRAL AND EARTH TERMINALS
ISSUE	APP'D	DATE	AMENDMENT


GENERAL NOTES CONT.

9. NEUTRAL AND EARTH TERMINALS TO BE CAPABLE OF ACCEPTING CONDUCTOR UP TO 10mm CROSS SECTIONAL AREA.

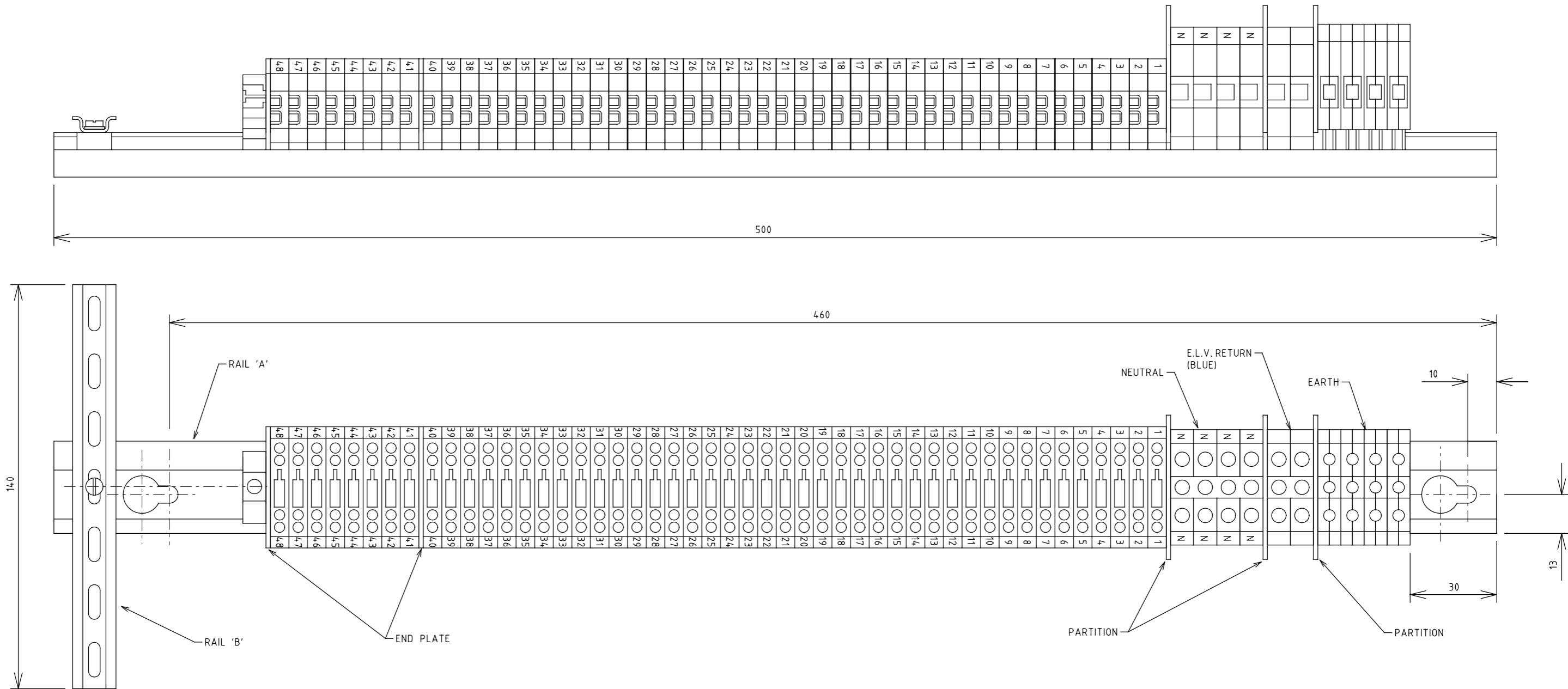
GENERAL NOTES

- ALL DIMENSIONS IN MILLIMETERS
- TERMINALS MARKED "N" CROSS CONNECTED.
- TERMINALS MARKED "BLUE" CROSS CONNECTED.
- 2 KEYHOLES, 3.2mm RADIUS AND 6.3mm RADIUS, 9.5mm BETWEEN CENTRES.
- RAIL 'A' TO BE DEBURRED AND FINISHED, AFTER CUTTING AND PUNCHING, THEN REPLATED AND PASSIVATED.
- RAIL 'B' TO BE CUT 140mm LONG THEN REPLATED AND PASSIVATED.
- TERMINALS AND EARTH TERMINALS 1-48 TO BE 4mm.
- E.L.V. RETURN TERMINALS TO BE 6mm.

DESIGNED	S.P. 18.02.00
APPROVED	B.H. 23.02.00
CAT: Road_Design	PROJ: (a) General
FILE: tc-1128B.dgn	

	
HOR	SCALE OF METRES
VER	NOT TO SCALE

ITS STANDARD DRAWINGS TERMINAL ASSEMBLY FOR USE WITH MA, JUMA AND JUP				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1128	B




GENERAL NOTES CONT.

9. NEUTRAL AND EARTH TERMINALS TO BE CAPABLE OF ACCEPTING CONDUCTOR UP TO 10mm CROSS SECTIONAL AREA.

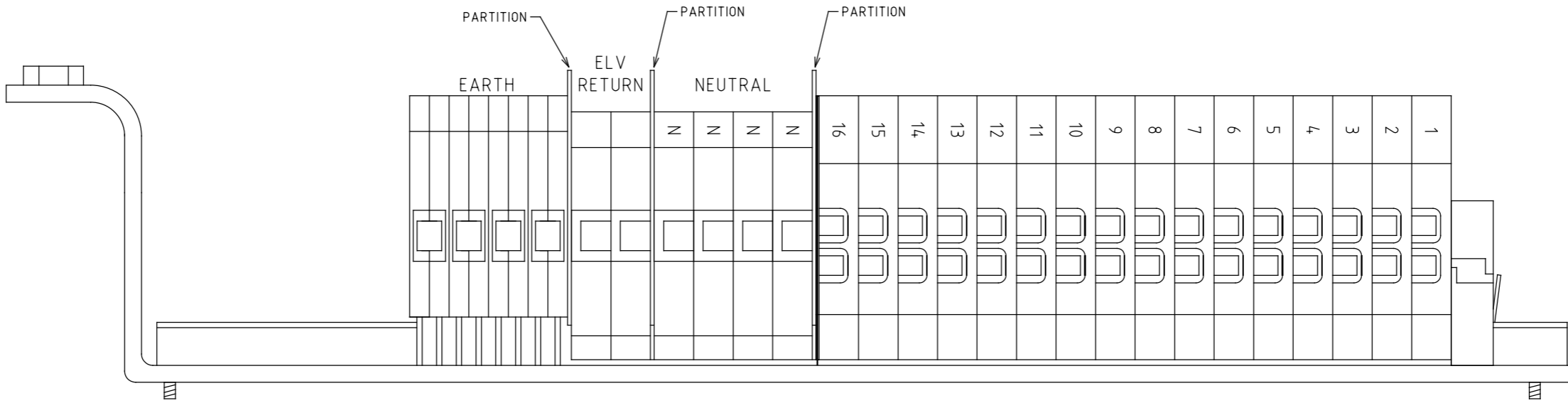
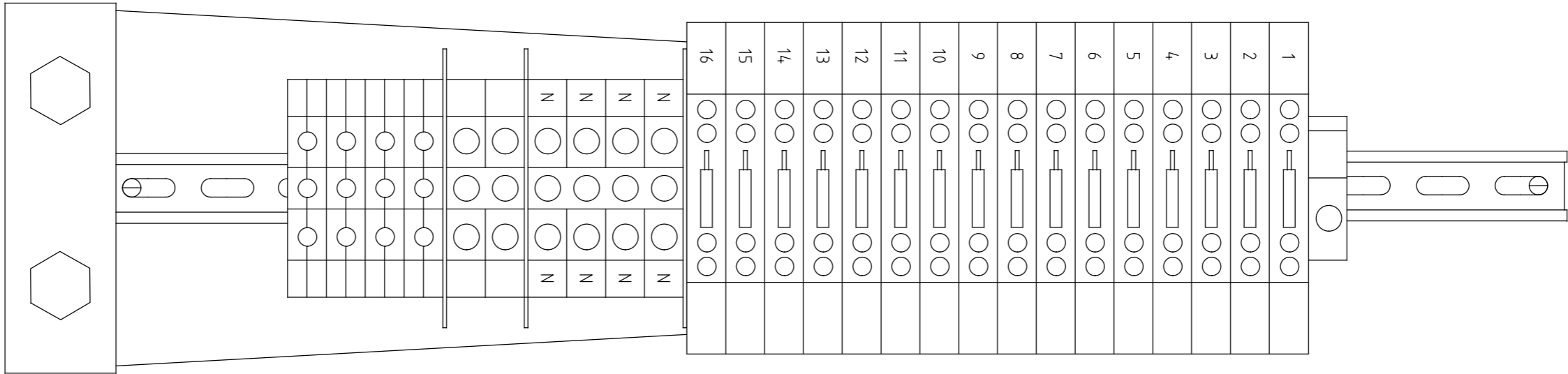
GENERAL NOTES

- ALL DIMENSIONS IN MILLIMETERS
- TERMINALS MARKED "N" CROSS CONNECTED.
- TERMINALS MARKED "BLUE" CROSS CONNECTED.
- 2 KEYHOLES, 3.2mm RADIUS AND 6.3mm RADIUS, 9.5mm BETWEEN CENTRES.
- RAIL 'A' TO BE DEBURRED AND FINISHED, AFTER CUTTING AND PUNCHING, THEN REPLATED AND PASSIVATED.
- RAIL 'B' TO BE CUT 140mm LONG THEN REPLATED AND PASSIVATED.
- TERMINALS AND EARTH TERMINALS 1-48 TO BE 4mm.
- E.L.V. RETURN TERMINALS TO BE 6mm.

DESIGNED	S.P. 18.02.00
APPROVED	B.H. 23.02.00
CAT: Road_Design	PROJ: (a) General
FILE: tc-1128B.dgn	

	
HOR	SCALE OF METRES
VER	NOT TO SCALE


ITS STANDARD DRAWINGS TERMINAL ASSEMBLY FOR USE WITH MA, JUMA AND JUP				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1128	B



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E			
D			
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A	SB	02/2021	DUAL CONNECTOR TERMINAL
ISSUE	APP'D	DATE	AMENDMENT

GENERAL NOTES	
1.	ALL DIMENSIONS IN MILLIMETERS
2.	TERMINALS MARKED "N" CROSSED CONNECTED
3.	TERMINALS MARKED "BLUE" (ELV RETURN) CROSS CONNECTED
4.	TERMINALS 1-16 TO BE 4mm
5.	E.L.V. RETURN, NEUTRAL AND EARTH TERMINALS TO BE 6mm

DESIGNED	
S.P. 31.05.10	
APPROVED	
S.P. 31.05.10	SCALE OF METRES NOT TO SCALE
CAT: Road_Design	
PROJ: (a) General	
FILE: tc-1129B.dgn	

ITS STANDARD DRAWINGS TERMINAL ASSEMBLY - PEDESTAL 19 WAY				
FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			TC-1129	A