CANBERRA LIGHT RAIL 2A
LIGHTING

DRAWING INDEX		
DRAWING NUMBER	DESCRIPTION	
	PACKAGE 10 - CIVIL	
	LIGHTING	
S210-ACM-DRW-CIV-LT-0001	COVER SHEET AND DRAWING INDEX	SHEET 1
S210-ACM-DRW-CIV-LT-0011	KEY PLAN	SHEET 1
S210-ACM-DRW-CIV-LT-0015	GENERAL NOTES	SHEET 1
S210-ACM-DRW-CIV-LT-0020	LEGEND	SHEET 1
S210-ACM-DRW-CIV-LT-0031	LIGHTING SCHEDULE	SHEET 1
S210-ACM-DRW-CIV-LT-0032	LIGHTING SCHEDULE	SHEET 2
S210-ACM-DRW-CIV-LT-0033	LIGHTING SCHEDULE	SHEET 3
S210-ACM-DRW-CIV-LT-0034	LIGHTING SCHEDULE	SHEET 4
S210-ACM-DRW-CIV-LT-0035	LIGHTING SCHEDULE	SHEET 5
S210-ACM-DRW-CIV-LT-0101	GENERAL ARRANGEMENT - NORTHBOURNE AVENUE/ ALINGA STREET	SHEET 1
S210-ACM-DRW-CIV-LT-0102	GENERAL ARRANGEMENT - LONDON CIRCUIT / NORTHBOURNE AVENUE	SHEET 2
S210-ACM-DRW-CIV-LT-0103	GENERAL ARRANGEMENT - LONDON CIRCUIT / WEST ROW	SHEET 3
S210-ACM-DRW-CIV-LT-0104	GENERAL ARRANGEMENT - LONDON CIRCUIT / UNIVERSITY AVENUE	SHEET 4
S210-ACM-DRW-CIV-LT-0105	GENERAL ARRANGEMENT - LONDON CIRCUIT / GORDON STREET	SHEET 5
S210-ACM-DRW-CIV-LT-0106	GENERAL ARRANGEMENT - LONDON CCT - LONDON CIRCUIT / EDINBURGH AVENUE	SHEET 6
S210-ACM-DRW-CIV-LT-0107	GENERAL ARRANGEMENT - COMMONWEALTH AVENUE / LONDON CIRCUIT	SHEET 7
S210-ACM-DRW-CIV-LT-0108	GENERAL ARRANGEMENT - COMMONWEALTH AV/CITY SOUTH STOP	SHEET 8
S210-ACM-DRW-CIV-LT-0109	GENERAL ARRANGEMENT - COMMONWEALTH AV/PARKES WAY ON RAMP	SHEET 9
S210-ACM-DRW-CIV-LT-0110	GENERAL ARRANGEMENT - COMMONWEALTH PARK STOP	SHEET 10
S210-ACM-DRW-CIV-LT-0111	GENERAL ARRANGEMENT - COMMONWEALTH AV/ALBERT ST	SHEET 11
S210-ACM-DRW-CIV-LT-0112	GENERAL ARRANGEMENT - NORTHBOURNE AVENUE/ ALINGA STREET	SHEET 12
S210-ACM-DRW-CIV-LT-0120	GENERAL ARRANGEMENT - COMMONWEALTH AV/PARKES WAY ON RAMP	SHEET 1
S210-ACM-DRW-CIV-LT-0202	TAPERED POLE CONFIGURATIONS	SHEET 1
S210-ACM-DRW-CIV-LT-0203	TAPERED POLE CONFIGURATIONS	SHEET 2
S210-ACM-DRW-CIV-LT-0204	TAPERED POLE CONFIGURATIONS	SHEET 3
S210-ACM-DRW-CIV-LT-0205	TAPERED POLE CONFIGURATIONS	SHEET 4
S210-ACM-DRW-CIV-LT-0206	TAPERED POLE CONFIGURATIONS	SHEET 5
S210-ACM-DRW-CIV-LT-0207	TAPERED POLE CONFIGURATIONS	SHEET 6
S210-ACM-DRW-CIV-LT-0208	TYPICAL DETAILS - FLOODLIGHT POLE	SHEET 1
S210-ACM-DRW-CIV-LT-0210	TYPICAL DETAILS - COMBINED USE POLE	SHEET 1
S210-ACM-DRW-CIV-LT-0211	TYPICAL DETAILS - COMBINED USE POLE TYPE 2	SHEET 1
S210-ACM-DRW-CIV-LT-0212	TYPICAL DETAILS - MULTIPOLE	SHEET 1
S210-ACM-DRW-CIV-LT-0215	TYPICAL DETAILS	SHEET 1
S210-ACM-DRW-CIV-LT-0221	TYPICAL FOOTING DETAILS WITH IN STRATVAULT	SHEET 1
S210-ACM-DRW-CIV-LT-0222	TYPICAL FOOTING DETAILS	SHEET 1
S210-ACM-DRW-CIV-LT-0225	TYPICAL OFFSET FOUNDATION DETAIL	SHEET 1

DRAWING INDEX		
DRAWING NUMBER	DESCRIPTION	
	PACKAGE 10 - CIVIL	
	LIGHTING	
S210-ACM-DRW-CIV-LT-0341	CONDUIT PLAN - NORTHBOURNE AVENUE/ ALINGA STREET	SHEET 1
S210-ACM-DRW-CIV-LT-0342	CONDUIT PLAN - LONDON CIRCUIT / NORTHBOURNE AVENUE	SHEET 2
S210-ACM-DRW-CIV-LT-0343	CONDUIT PLAN - LONDON CIRCUIT / WEST ROW	SHEET 3
S210-ACM-DRW-CIV-LT-0344	CONDUIT PLAN - LONDON CIRCUIT / UNIVERSITY AVENUE	SHEET 4
S210-ACM-DRW-CIV-LT-0345	CONDUIT PLAN - LONDON CIRCUIT / GORDON STREET	SHEET 5
S210-ACM-DRW-CIV-LT-0346	CONDUIT PLAN - LONDON CCT - LONDON CIRCUIT / EDINBURGH AVENUE	SHEET 6
S210-ACM-DRW-CIV-LT-0347	CONDUIT PLAN - COMMONWEALTH AVENUE / LONDON CIRCUIT	SHEET 7
S210-ACM-DRW-CIV-LT-0348	CONDUIT PLAN - COMMONWEALTH AV/CITY SOUTH STOP	SHEET 8
S210-ACM-DRW-CIV-LT-0349	CONDUIT PLAN - COMMONWEALTH AV/PARKES WAY ON RAMP	SHEET 9
S210-ACM-DRW-CIV-LT-0350	CONDUIT PLAN - COMMONWEALTH PARK STOP	SHEET 10
S210-ACM-DRW-CIV-LT-0351	CONDUIT PLAN - COMMONWEALTH AV/ALBERT ST	SHEET 11
S210-ACM-DRW-CIV-LT-0352	CONDUIT PLAN - NORTHBOURNE AVENUE/ ALINGA STREET	SHEET 12

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A
LIGHTING
COVER SHEET AND DRAWING INDEX

DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0001 | EDMS No. | F

DF 801*554

File Plotted: S210-ACM-DRW-CIV-LT-0001
Plot Date & Time: 2/10/2023 8:46 AM
Plotted by GRIVASA

1 : 2000 FULL SIZE A1

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
KEY PLAN

DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0011 | EDMS No. | E

DF 801*554

Plotted by GRIVASA

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0011.dwg

Plot Date & Time: 2/10/2023 8:48 AM

LIGHTING NOTES

1. ALL LIGHTING WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH TCCS DESIGN SPECIFICATIONS FOR LIGHTING WORKS, INCLUDING MITS 12 AND MIS 14 - PUBLIC LIGHTING AND MIS 13 FOR TRAFFIC LIGHTING. WORKS SHALL REFERENCE AND COMPLY WITH EVOENERGY DOCUMENTS WHERE APPLICABLE. ELECTRICAL WORK SHALL COMPLY WITH AS/NZS 3000.
2. EARTHING REQUIREMENTS SHALL BE IN ACCORDANCE WITH AS 3000 AND TO TCCS STANDARD DRAWING ACTSD-4020.
3. PRIOR TO CONNECTION TO EXISTING STREET LIGHTING CIRCUIT, ARRANGE FOR ISOLATION OF CIRCUIT BY EVOENERGY OR TCCS. INSTALLATION OF STREET LIGHTING ASSETS MAY NOT BE UNDERTAKEN WITHOUT PERMISSION FROM UTILITY PROVIDER.
4. BEFORE COMMENCING ANY CONSTRUCTION WORK, THE CONTRACTOR SHALL PERFORM A DBYD INVESTIGATION TO IDENTIFY EXISTING SERVICES. DATA OBTAINED FROM THE DBYD IS TO BE CONFIRMED WITH SITE SURVEYS, AND WITH THE UTILITIES OWNERS AND ALL NECESSARY CLEARANCES TO THE EXISTING SERVICES IDENTIFIED.
5. COLUMNS AND OUTREACH ARMS SHALL COMPLY WITH AS 1798.
6. FOR ANY DIRECT BURIED COLUMNS, UNDERGROUND CABLE ENTRY TO THE COLUMN SHALL BE FROM CONDUITS THAT SHOULD BE CUT 600mm SHORT OF EITHER SIDE OF THE COLUMN AND THEN THE CABLES INSTALLED INTO THE COLUMN. THIS SHOULD BE TO AS 3000 & NOTED ON WAE DRAWINGS AND SHOWN AS A "BREAK IN CONDUIT" WITH THE DIMENSION.
7. THE CONTRACTOR SHALL PREPARE WORK AS EXECUTED DRAWINGS FOR ALL WORKS, INCLUDING DEMOLITION WORKS AND NEW WORKS. WORKS AS EXECUTED DRAWINGS SHALL COMPLY WITH TAMS REQUIREMENTS DESCRIBED IN TAMS REFERENCE DOCUMENT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INFORMATION ON THE SPATIAL MAPPING (STROMLO NORTHING AND EASTING COORDINATES) FOR ALL NEW ASSETS. THESE ARE TO BE ADDED TO THE TABLES PROVIDED ON DRAWINGS AND SUBMITTED WITH THE WORK AS EXECUTED DRAWINGS.
9. STREET LIGHTING SHALL BE INSTALLED ON 3 PHASE CIRCUITS USING 4 CORE 16mm2, XLPE INSULATED, LSZH STRANDED COPPER CABLES AS PER TCCS STANDARD UNO. CABLES SHALL HAVE A MINIMUM OF V90 INSULATION WITH ACTIVE CABLES COLOURED RED, WHITE, BLUE, AND NEUTRAL COLOURED BLACK.
10. CONDUITS TO BE 50mm DIAMETER ORANGE HEAVY DUTY CATEGORY A RIGID PVC, CLASS 12 TO TCCS STANDARDS, AS 2053 AND AS 61386 WITH SOLVENT WELDED JOINTS. CLEARANCES SHALL BE AS PER TABLE 1 AND DEPTH AS PER DETAIL 1. WHERE CONDUITS CROSS KERB LINES, THE LOCATION SHALL BE MARKED WITH AN 'E' STAMPED INTO THE KERB. TRENCHING DETAILS AND ARRANGEMENT AS PER EVOENERGY CONDUIT TECHNICAL STANDARDS PO07107.
11. EACH COLUMN SHALL HAVE A CIRCUIT BREAKER FOR EACH LUMINAIRE, AND THE CIRCUIT BREAKER/S SHALL BE LOCATED AT THE BASE OF THE COLUMN ON A TCCS STANDARD LINK PANEL AS PER TCCS STANDARD DRAWINGS DS12 CATEGORY 01.
12. CONNECT NEW STREET LIGHTING CABLING TO THE EXISTING STREETLIGHT NETWORK WHERE INDICATED.
13. CHECK ALL DIMENSIONS AND QUANTITIES ON SITE TO ENSURE ACCURACY.
14. DELETED.
15. DO NOT SCALE DIMENSIONS OR SETOUTS FROM LIGHTING DRAWINGS.
16. WHERE STREET LIGHT COLUMNS INCLUDE TRAFFIC SIGNALS, THESE COLUMNS MUST BE SUPPLIED FROM A TRAFFIC SIGNAL CONTROL BOX, NOT A STREET LIGHT CONTROL CUBICLE.
17. PROPOSED NEW LIGHTING HEAD UNITS TO BE 3.0m AWAY FROM ANY OVERHEAD CONDUCTOR WIRE.
18. DELETED.
19. LUMINAIRES SHALL BE COMPLIANT WITH AS 1158.6, THEY SHALL BE INTEGRAL CONTROL GEAR TYPE, POWER FACTOR CORRECTED TO 0.9pf AND HAVE INTEGRAL PHOTO-ELECTRIC CELL CONTROL CAPABILITIES.
20. ALL LUMINAIRES SHALL COMPLY WITH EMC REQUIREMENTS OF AS4251.1.
21. GROUND MOUNTED CONTROL POINTS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING MIS PUBLIC LIGHTING STANDARD DRAWINGS.
22. AS PER INSTRUCTION FROM TCCS AND TCLR, STREET LIGHTING PITS ARE NOT REQUIRED FOR THE LIGHT RAIL PROJECT. EXCEPTIONS APPLY FOR WHERE POLES ARE PART OF A JOINT USE TRAFFIC SIGNAL POLE ARRANGEMENT OR SPECIFICALLY REQUIRED AS INDICATED IN THE ARRANGEMENT DRAWING.
23. WHERE CABLE PIT COVERS ARE REQUIRED COVER INFILL MATERIAL TO MATCH SURROUNDING PAVEMENT MATERIAL. THE TOP OF THE PIT AND COVER SHALL BE FLUSH WITH THE SURROUNDING SURFACE, UNLESS OTHERWISE INDICATED.
24. REFERRED TABLE SHOW MINIMUM CLEARANCES AND DEPTHS FOR SERVICES, NOTING THAT THEY VARY ACROSS THE ROAD ALIGNMENT AND EXISTING SERVICES.
25. EXISTING POLE ASSET REGISTER TO BE REVALIDATED PRIOR TO COMMENCEMENT OF WORKS.
26. CONTRACTOR TO LIAISE WITH TRAFFIC SIGNALS CONTRACTOR FOR CONNECTION OF COMBINED USE POLES INTO TRAFFIC SIGNAL CABINETS.
27. ALL COMBINED USE POLES WILL HAVE ADDITIONAL SERVICES CONDUITS (FOR TRAFFIC SIGNALS, WIFI AND CCTV) AT THE BASE OF THE POLE. CONTRACTOR TO REFER TO PACKAGE 25 FOR FURTHER DETAILS.
28. STREETLIGHT ASSETS PROPOSED FOR REMOVAL, INCLUDING LUMINAIRE, OUTREACH ARM AND SMALL CELLS AND ANY HERITAGE COLUMNS MUST BE RETURNED TO 255 CANBERRA AVENUE, FYSHWICK. CONTACT EMAIL: TCCS.STREETLIGHTING@ACT.GOV.AU
29. ALL STREET LIGHTING CONTROL CUBICLES ARE TO BE COLOUR FINISHED IN 'ETERNITY BRONZE PEARL'.
30. WHERE STREET LIGHT COLUMNS INCLUDE TRAFFIC SIGNALS, THESE COLUMNS MUST BE SUPPLIED FROM A TRAFFIC SIGNAL CONTROL CABINET, NOT A STREET LIGHTING CONTROL CUBICLE. STREET LIGHTING CABLING TO BE RETICULATED WITHIN TRAFFIC SIGNAL CONDUITS. REFER TO PACKAGE 25 FOR TRAFFIC PITS AND ROUTES.
31. THE CONTRACTOR SHALL ENSURE THAT ALL CONDUITS ARE INSTALLED AT THE MINIMUM DEPTHS INDICATED WITHIN DETAIL 1 AND THAT THE MINIMUM BENDING RADIUS OF CONDUITS IS AS FOLLOWS THROUGHOUT ALL AREAS OF THE UNDERGROUND CONDUIT SYSTEM:
    - MINIMUM BENDING RADIUS OF 600MM FOR 50MM HDUPVC ELECTRICAL CONDUITS
    - MINIMUM BENDING RADIUS OF 1200MM FOR 100MM HDUPVC ELECTRICAL CONDUITS

    THE CONTRACTOR SHALL PROVIDE AND INSTALL SWEEPING BEND CONNECTORS AS PART OF THE UNDERGROUND CONDUIT SYSTEM AS REQUIRED IN ORDER TO ACHIEVE THE MINIMUM CONDUIT BEND REQUIREMENTS.
32. ALL ELECTRICAL CONDUITS SHALL BE PROVIDED WITH DRAW WIRES TO ASSIST WITH CABLE RETICULATION.

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A
LIGHTING
GENERAL NOTES

DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0015 | EDMS No. | E

DF 801*554

File Plotted: S210-ACM-DRW-CIV-LT-0015
C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0015.dwg
Plot Date & Time: 2/10/2023 8:48 AM
Plotted by GRIVASA

STREET LIGHTING

SLXXX

NEW LAMP/STREETLIGHT
REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE DETAILS AND POLE TYPE ARRANGEMENTS
REFER TO TRAFFIC ENGINEERING PACKAGE FOR TRAFFIC SIGNALS/EQUIPMENT REQUIRED ON THE COMBINED POLES / MULTIPOLES
REFER TO TECHNIKA PACKAGE FOR WAP EQUIPMENT INFORMATION

- DB - DIRECT BURIED LIGHT COLUMNS DUE TO U/G UTILITIES
- CP - VICPOLES WITH COMBINED TRAFFIC LIGHTS
- CMP - MULTIPOLES WITH COMBINED TRAFFIC LIGHTS
- MMP - MULTIPOLES WITH COMBINED TRAFFIC LIGHTS ON MAST ARM
- MP - MULTIPOLES WITH STREET LIGHT LUMINAIRE ONLY
- WAP - VICPOLE TO BE INTEGRATED WITH WAP
- CF - CUSTOM FOOTING

EX

EXISTING LAMP/STREETLIGHT TO REMAIN
- SLXXX - POLE TO REMAIN. REPLACE LUMINAIRE
- TCD - POLE TO REMAIN. PROVIDE NEW TRAFFIC SIGNAL MAST ARM

SL SL SL — NEW Ø50 GREEN CONDUIT (UNLESS NOTED OTHERWISE) FOR STREET LIGHTING POLE AND ELECTRICAL PIT

SLT SLT SLT — NEW Ø50 BLUE CONDUIT (UNLESS NOTED OTHERWISE) FOR COMBINED USED STREET LIGHTING POLE AND ELECTRICAL TRAFFIC SIGNAL PIT

EXISTING STREET LIGHT TO BE REMOVED

EU EU EU — EXISTING STREET LIGHT TO BE RETAINED

EXISTING STREET LIGHT TO BE RELOCATED

IG1 — TREE UPLIGHT AT NORHBOURNE PLAZA

IG2 — INGROUND LINEAR UPLIGHT AT NORHBOURNE PLAZA

IG3 — INGROUND LINEAR UPLIGHT AT PARKES WAY

ILLUMINANCE VALUES

- ISOLINE 15 LUX
- ISOLINE 12 LUX
- ISOLINE 10 LUX
- ISOLINE 7.5 LUX
- ISOLINE 2 LUX

GENERAL

- DRAFT S63 EDP BOUNDARY
- EPBC BOUNDARY
- DA/WA BOUNDARY
- DC DC DC — CADASTRAL BOUNDARY
- EXISTING TREE TO BE RETAINED
- PROPOSED TREES
- E — PIT - CONCRETE PIT AND CLASS D PIT LID TO AS3996 WITH THE WORD 'ELECTRICAL' (600x300 CLEAR OPENING UNO). ACCESS COVER WITH DEPTH TO SUIT THE PAVING. INFILL THE COVER WITH COLOURED CONCRETE (COLOUR TO MATCH THE SURROUNDING PAVING)
- ECCx — STREET LIGHTING CONTROL CUBICLE
- TCCx — TRAFFIC CONTROL CABINET FOR COMBINED USED POLE WITH TRAFFIC SIGNALS
- TR — PIT - CONCRETE PIT AND CLASS D PIT LID TO AS3996 WITH THE WORD 'TRAFFIC - ELECTRICAL' (600x300 CLEAR OPENING UNO). ACCESS COVER WITH DEPTH TO SUIT THE PAVING. INFILL THE COVER WITH COLOURED CONCRETE (COLOUR TO MATCH THE SURROUNDING PAVING)

PROPOSED ROAD WORKS

- KO / M-KG — KERB ONLY / MODIFIED KERB & GUTTER
- MK / M-FK — MOUNTABLE KERB / MODIFIED FLUSH KERB
- KG / M-MK — KERB AND GUTTER / MODIFIED MOUNTABLE KERB
- OCI / M-KO — OPEN CONCRETE INVERT / MODIFIED KERB ONLY
- KERB RAMP

EXISTING UTILITIES

- W H W — WATER PIPE, HYDRANT, STOP VALVE AND END CAP
- S S S — SEWER MAIN, MANHOLE
- LG LG LG — GAS MAIN LOW PRESSURE
- HG HG HG — GAS MAIN HIGH PRESSURE
- LV LV — ELECTRICAL PIT, ELECTRICAL LOW VOLTAGE UNDERGROUND
- HV HV — ELECTRICAL PIT, ELECTRICAL HIGH VOLTAGE UNDERGROUND
- OF OF OF P8 — OPTIC FIBRE CARRY/SPARE TO BE INCLUDED
- AAPT AAPT — COMMUNICATIONS AAPT
- AARNET AARNET — COMMUNICATIONS AARNET
- ICON ICON — COMMUNICATIONS ICON
- NBN NBN NBN — COMMUNICATIONS NBN
- NGEN NGEN — COMMUNICATIONS NEXTGEN
- OPTUS OPTUS — COMMUNICATIONS OPTUS
- SSICT SSICT SSICT — COMMUNICATIONS SSICT
- TELSTRA TELSTRA — COMMUNICATIONS TELSTRA
- TACT TACT — COMMUNICATIONS TRANSACT
- SL SL SL — STREET LIGHTING
- SL2 SL2 SL2 — STREET LIGHTING DIGITISED

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO — HEIGHT DATUM: AHD — SCALE: AS SHOWN

ACT Government — Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

- DRAWN J GRIFFEN
- DESIGNED C LEUNG
- DRG CHECK C LEUNG
- DESIGN CHECK G THEORODOUPOLAS
- APPROVED J PETERS

CANBERRA LIGHT RAIL 2A
LIGHTING
LEGEND

DESIGN LOT No: S210-STAGE 2A — SHEET: 01 OF 01 — A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0020 — EDMS No. — F

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

DF 801*554

LUMINAIRE SCHEDULE

ID	WATTAGE	DESCRIPTION	MAKE AND CATALOGUE NUMBERS	SUPPLIER
L1	144W (162W)	"IP66 ROADWAY LUMINAIRE WITH S60 LIGHT DISTRIBUTION LENS OPTICS AND INTEGRATED PE CELL VIA 7-PIN NEMA SOCKET. DOUBLE INSULATED. INSTALLED ON A TCCS APPROVED IMPACT ABSORBING POLE OR A SHARED USE SIGNAL POLE AS SPECIFIED ON DRAWING. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN ASSET SCHEDULE. LUMINAIRE AND LIGHT COLUMN TO TCCS REQUIREMENTS. CUSTOM FINISH. COLOUR TO MATCH ""ETERNITY BRONZE PEARL"""	WE-EF VFL540-SE 108-2083+A8062	INTEGRAL LIGHTING
L2	48W (55W)	"IP66 ROADWAY LUMINAIRE WITH S60 LIGHT DISTRIBUTION LENS OPTICS AND INTEGRATED PE CELL VIA 7-PIN NEMA SOCKET. DOUBLE INSULATED. INSTALLED ON A TCCS APPROVED IMPACT ABSORBING POLE OR A SHARED USE SIGNAL POLE AS SPECIFIED ON DRAWING. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN ASSET SCHEDULE. LUMINAIRE AND LIGHT COLUMN TO TCCS REQUIREMENTS. CUSTOM FINISH. COLOUR TO MATCH ""ETERNITY BRONZE PEARL"""	WE-EF VFL530-SE 108-1296+A8062	INTEGRAL LIGHTING
L5	144W (162W)	"IP66 ROADWAY LUMINAIRE WITH S65 LIGHT DISTRIBUTION LENS OPTICS AND INTEGRATED PE CELL VIA 7-PIN NEMA SOCKET. DOUBLE INSULATED. INSTALLED ON A TCCS APPROVED IMPACT ABSORBING POLE OR A SHARED USE SIGNAL POLE AS SPECIFIED ON DRAWING. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN ASSET SCHEDULE. LUMINAIRE AND LIGHT COLUMN TO TCCS REQUIREMENTS. CUSTOM FINISH. COLOUR TO MATCH ""ETERNITY BRONZE PEARL"""	WE-EF VFL540-SE 108-2085+A8062	INTEGRAL LIGHTING
L6	81W	"IP66 ROADWAY LUMINAIRE WITH R65 LIGHT DISTRIBUTION LENS OPTICS AND INTEGRATED PE CELL VIA 7-PIN NEMA SOCKET. DOUBLE INSULATED. INSTALLED ON A TCCS APPROVED IMPACT ABSORBING POLE OR A SHARED USE SIGNAL POLE AS SPECIFIED ON DRAWING. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN ASSET SCHEDULE. LUMINAIRE AND LIGHT COLUMN TO TCCS REQUIREMENTS. CUSTOM FINISH. COLOUR TO MATCH ""ETERNITY BRONZE PEARL"""	WE-EF VFL540-SE 108-2057	INTEGRAL LIGHTING
FL	2x 36W	"IP65 IK07 FLOODLIGHT LUMINAIRE AND INTEGRATED PE CELL VIA 7-PIN NEMA SOCKET. DOUBLE INSULATED. INSTALLED ON A TCCS APPROVED IMPACT ABSORBING POLE AS SPECIFIED ON DRAWING. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN ASSET SCHEDULE. LUMINAIRE AND LIGHT COLUMN TO TCCS REQUIREMENTS. CUSTOM FINISH. COLOUR TO MATCH ""ETERNITY BRONZE PEARL"""	WEEF FLC131 146-5553+A8061	INTEGRAL LIGHTING
IG1	12W	"IP66 IK07 SURFACE MOUNTED ADJUSTABLE SPOTLIGHT LUMINAIRE. SYMMETRICAL WIDE BEAM [B] DISTRIBUTION. INSTALLED UNDER TREES AT NORTHBOURNE PLACE. INSTALLATION DETAIL TO BE COORDINATED. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN ASSET SCHEDULE. LUMINAIRE AND LIGHT COLUMN TO TCCS REQUIREMENTS. CUSTOM FINISH. COLOUR TO MATCH ""ETERNITY BRONZE PEARL"""	WEEF FLC121 145-0052	INTEGRAL LIGHTING
IG2	10W/m	IP67 IK10 LINEAR INGROUND UPLIGHT. 3000K COLOUR TEMPERATURE. INSTALL AT PAVEMENT AT NORTHBOURNE PLACE. ALLOW FOR INSTALL BLOCKOUT AND DRAINAGE BELOW	FILIX STEPUP SLIM	LITESOURCE
IG3	40W	"IP67 IK18 LINEAR INGROUND UPLIGHT. 4000K COLOUR TEMPERATURE. INSTALL AT MEDIAN UNDER PAKREWAY BRIDGE. ALLOW FOR INSTALL BLOCKOUT AND DRAINAGE BELOW ASYMMETRICAL LINEAR WALLWASH LA10] DISTRIBUTION"	WEEF etv140 186-0267	INTEGRAL LIGHTING

Protective Coatings by Dulux – Public Domain light poles and luminaires	
For Mild Steel	Base Layer: Zincanode 402 to 75 microns dry film thickness
	Mid Layer: Duremax GPE MIO to 200 microns dry film thickness
	Outer Coating: Quantum V90 to 75 microns dry film thickness. Colour to match ‘Dulux 90T8356Q Bronze Pearl’
For Galvanised Steel	Base Layer: Duremax GPE ZP to 125 microns dry film thickness
	Mid Layer: Duremax GPE MIO to 200 microns dry film thickness
	Outer Coating: Quantum V90 to 125 microns dry film thickness. Colour to match ‘Dulux 90T8356Q Bronze Pearl’
NOTES:	
Final Dulux colour code TBC	
Refer to landscape package for detailed information	

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN: A GRIVAS
DESIGNED: C LEUNG
DRG CHECK: C LEUNG
DESIGN CHECK: G THEORODOUPOLAS
APPROVED: J PETERS

CANBERRA LIGHT RAIL 2A
LIGHTING
LIGHTING SCHEDULE

SHEET 1

DESIGN LOT No: S210-STAGE 2A SHEET: 01 OF 05 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0031 EDMS No. B

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

DF 801*554

File Plotted: S210-ACM-DRW-CIV-LT-0031
C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0031.dwg
Plot Date & Time: 2/10/2023 8:49 AM
Plotted by GRIVASA

COLUMN SCHEDULE - TAPERED AND COMBINED USE POLES

ID	DESCRIPTION	MAKE AND CATALOGUE NUMBERS	SUPPLIER
EX	EXISTING LIGHT POLE AND LUMINAIRE TO BE RETAINED	N/A	N/A
MP1	"ALUMINIUM, IMPACT ABSORBING, MULTI-FUNCTION POLE. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. LUMINAIRES ONLY REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	MULTIPOLE: REFER TO NOTE 1	MULTIPOLE
MP2	"ALUMINIUM, IMPACT ABSORBING, MULTI-FUNCTION POLE. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. LUMINAIRES ONLY REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	MULTIPOLE: REFER TO NOTE 1	MULTIPOLE
MMP	"ALUMINIUM, IMPACT ABSORBING, MULTI-FUNCTION POLE. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. COMBINED USE POLE WITH TRAFFIC SIGNAL EQUIPMENT. REFER TO TRAFFIC ENGINEERING PACKAGE FOR EQUIPMENT INFORMATION. ALLOW FOR TRAFFIC SIGNAL MAST ARM REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	MULTIPOLE: REFER TO NOTE 1	MULTIPOLE
CMP1	"ALUMINIUM, IMPACT ABSORBING, MULTI-FUNCTION POLE. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. COMBINED USE POLE WITH TRAFFIC SIGNAL EQUIPMENT. REFER TO TRAFFIC ENGINEERING PACKAGE FOR EQUIPMENT INFORMATION. REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	MULTIPOLE: REFER TO NOTE 1	MULTIPOLE
CMP2	"ALUMINIUM, IMPACT ABSORBING, MULTI-FUNCTION POLE. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. COMBINED USE POLE WITH TRAFFIC SIGNAL EQUIPMENT. REFER TO TRAFFIC ENGINEERING PACKAGE FOR EQUIPMENT INFORMATION. REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	MULTIPOLE: REFER TO NOTE 1	MULTIPOLE
VP1	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 10.5/4500/1500 REFER TO NOTE 2	VICPOLE
VP2	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 10.5/4500 REFER TO NOTE 2	VICPOLE
VP3	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 12/4500/1500 REFER TO NOTE 2	VICPOLE
VP5	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. REFER TO FINISHES SCHEDULE FOR POLE FINISHES."	VICPOLE: CLR 12/4500/4500 REFER TO NOTE 2	VICPOLE
VP6	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. COMBINED USE POLE WITH TRAFFIC SIGNAL EQUIPMENT. REFER TO TRAFFIC ENGINEERING PACKAGE FOR EQUIPMENT INFORMATION REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 10.5/4500/1500 REFER TO NOTE 2	VICPOLE

COLUMN SCHEDULE - TAPERED AND COMBINED USE POLES

ID	DESCRIPTION	MAKE AND CATALOGUE NUMBERS	SUPPLIER
VP7	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. COMBINED USE POLE WITH TRAFFIC SIGNAL EQUIPMENT. REFER TO TRAFFIC ENGINEERING PACKAGE FOR EQUIPMENT INFORMATION REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 12/4500/1500 REFER TO NOTE 2	VICPOLE
VP8	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. WITH FLOODLIGHTING OF PEDESTRIAN CROSSING REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 7/1500 REFER TO NOTE 2	VICPOLE
VP9	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. COMBINED USE POLE WITH TRAFFIC SIGNAL EQUIPMENT. REFER TO TRAFFIC ENGINEERING PACKAGE FOR EQUIPMENT INFORMATION REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 10.5/4500 REFER TO NOTE 2	VICPOLE
VP10	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. WITH 2 SETS OF FLOODLIGHTING OF PEDESTRIAN CROSSING REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 10.5/4500/4500/1500 REFER TO NOTE 2	VICPOLE
VP11	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. WITH 1 SET OF FLOODLIGHTING OF PEDESTRIAN CROSSING REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 10.5/4500/4500/1500 REFER TO NOTE 2	VICPOLE
VP12	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. COMBINED USE POLE WITH TRAFFIC SIGNAL EQUIPMENT. REFER TO TRAFFIC ENGINEERING PACKAGE FOR EQUIPMENT INFORMATION. ALLOW FOR TRAFFIC SIGNAL MAST ARM REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 10.5/4500/1500 REFER TO NOTE 2	VICPOLE
VP13	"IMPACT ABSORBING TAPERED ROUND WITH GALVANISED CONSTRUCTION AND PAINTED FINISH. OUTREACH AND MOUNTING HEIGHT SPECIFIED IN POLE AND LUMINAIRE CONFIGURATIONS SCHEDULE. REFER TO FINISHES SCHEDULE FOR POLE FINISHES. FINAL FINISH 'ETERNITY BRONZE PEARL' BY LANDSCAPE ARCHITECT"	VICPOLE: CLR 10.5/4500/1500 REFER TO NOTE 2	VICPOLE

NOTES:

1. REFER TO DRAWINGS S210-ACM-DRW-CIV-LT-0210 TO 0212 FOR MULTIPOLE CONFIGURATIONS.
2. REFER TO DRAWINGS S210-ACM-DRW-CIV-LT-0202 TO 0208 FOR VICPOLE POLE CONFIGURATIONS AND OVERALL POLE HEIGHTS.

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN: A GRIVAS
DESIGNED: C LEUNG
DRG CHECK: C LEUNG
DESIGN CHECK: G THEORODOUPOLAS
APPROVED: J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING

LIGHTING SCHEDULE

SHEET 2

DESIGN LOT No: S210-STAGE 2A | SHEET: 02 OF 05 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0032 | EDMS No. | B

DF 801*554

POLE AND LUMINAIRE CONFIGURATIONS

POLE ID	Pole configuration	COLUMN/ TYPE	COLUMN HEIGHT	COMBINED USE WITH TRAFFIC	COMBINED USE WITH WIFI	LUMINAIRE 1	OUTREACH	MOUNTING HEIGHT	LUMINAIRE 2	OUTREACH	MOUNTING HEIGHT	OTHER EQUIPMENT	SLCC OR TCCS
ALINGA ST X NORTHBOURNE AVENUE X LONDON CIRCUIT INTERSECTION													
SL-201	CMP1	MULTIPOLE	12.3000	YES	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	TCCS
SL-202	CMP1	MULTIPOLE	12.3000	YES	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	TCCS
SL-203	MP1	MULTIPOLE	12.3000	NO	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	SLCC
SL-204	MP1	MULTIPOLE	12.3000	NO	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	SLCC
SL-205	MP1	MULTIPOLE	12.3000	NO	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	SLCC
SL-206	MP1	MULTIPOLE	12.3000	NO	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	SLCC
SL-207	CMP1	MULTIPOLE	12.3000	YES	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	TCCS
SL-208	CMP1	MULTIPOLE	12.3000	YES	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	TCCS
SL-209	CMP1	MULTIPOLE	12.3000	YES	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	TCCS
SL-210	MP1	MULTIPOLE	12.3000	NO	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	SLCC
SL-211	MP1	MULTIPOLE	12.3000	NO	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	SLCC
SL-212	MP1	MULTIPOLE	12.3000	NO	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	SLCC
SL-213	MP1	MULTIPOLE	12.3000	NO	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	SLCC
SL-214	CMP1	MULTIPOLE	12.3000	YES	NO	L1	4.5000	12.0000	N/A	N/A	N/A	N/A	TCCS
SL-311	CMP2	MULTIPOLE	10.3000	YES	NO	L6	1.5000	9.0000	N/A	N/A	N/A	N/A	TCCS
SL-312	MP2	MULTIPOLE	10.3000	NO	NO	L6	1.5000	9.0000	N/A	N/A	N/A	N/A	SLCC
SL-313	MP2	MULTIPOLE	10.3000	NO	NO	L6	1.5000	9.0000	N/A	N/A	N/A	N/A	SLCC
SL-314	CMP2	MULTIPOLE	10.3000	YES	NO	L6	1.5000	9.0000	N/A	N/A	N/A	N/A	TCCS
SL-315	MP2	MULTIPOLE	10.3000	NO	NO	L6	1.5000	9.0000	N/A	N/A	N/A	N/A	SLCC
SL-316	MP2	MULTIPOLE	10.3000	NO	NO	L6	1.5000	9.0000	N/A	N/A	N/A	N/A	SLCC
PETRIE PLAZA X LONDON CIRCUIT X NORTUBOURNE AVENUE INTERSECTION													
SL-220	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-221	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-222	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-223	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-224	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-225	VP6	MULTIPOLE	12.3000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	CCTV	TCCS
SL-226	VP9	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	TCCS
SL-227	VP9	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	TCCS
SL-228	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-229	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-230	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-231	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	CCTV	TCCS
SL-232	VP13	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L6	1.5000	10.5000	N/A	SLCC
SL-233	VP12	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L6	1.5000	10.5000	N/A	TCCS
SL-320	VP9	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	TCCS
SL-321	VP9	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	TCCS

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J SINGH
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A
LIGHTING
LIGHTING SCHEDULE
SHEET 3

DESIGN LOT No: S210-STAGE 2A SHEET: 03 OF 05 A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0033 EDMS No. A

DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0033.dwg
File Plotted: S210-ACM-DRW-CIV-LT-0033
Plot Date & Time: 2/10/2023 8:49 AM
Plotted by GRIVASA

POLE AND LUMINAIRE CONFIGURATIONS

POLE ID	Pole configuration	COLUMN/ TYPE	COLUMN HEIGHT	COMBINED USE WITH TRAFFIC	COMBINED USE WITH WIFI	LUMINAIRE 1	OUTREACH	MOUNTING HEIGHT	LUMINAIRE 2	OUTREACH	MOUNTING HEIGHT	OTHER EQUIPMENT	SLCC OR TCCS
NORTUBOURNE AVENUE X LONDON CIRCUIT X KNOWLES PLACE (NORTH) INTERSECTION													
SL-235	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-236	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-237	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-238	MMP	MULTIPOLE	12.3000	YES	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	TCCS
SL-239	MMP	MULTIPOLE	12.3000	YES	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	CCTV	TCCS
SL-240	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-241	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-242	MMP	MULTIPOLE	12.3000	YES	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	TCCS
SL-243	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-244	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-245	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-246	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-247	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-248	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-249	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
KNOWLES PLACE (NORTH) X LONDON CIRCUIT X FARRELL PLACE INTERSECTION													
SL-250	VP11	VICPOLE	12.0000	YES	NO	L1	4.5000	12.0000	L2	1.5000	6.5000	N/A	TCCS
SL-251	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-252	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	CCTV	TCCS
SL-253	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-254	VP10	VICPOLE	12.0000	YES	NO	L1	4.5000	12.0000	L2	1.5000	6.5000	2x FL	TCCS
SL-255	VP8	VICPOLE	7.9000	YES	NO	FL	1.5000	7.0000	N/A	N/A	N/A	N/A	SLCC
SL-256	VP2	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	SLCC
SL-257	VP2	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	SLCC
SL-258	VP2	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	SLCC
SL-259	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-260	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-261	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-262	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-263	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-264	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-265	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-266	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-267	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-268	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J SINGH
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
LIGHTING SCHEDULE

SHEET 4

DESIGN LOT No: S210-STAGE 2A SHEET: 04 OF 05 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0034 EDMS No. A

DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0034.dwg
File Plotted: S210-ACM-DRW-CIV-LT-0034
Plot Date & Time: 2/10/2023 8:49 AM
Plotted by GRIVASA

POLE AND LUMINAIRE CONFIGURATIONS

POLE ID	Pole configuration	COLUMN/ TYPE	COLUMN HEIGHT	COMBINED USE WITH TRAFFIC	COMBINED USE WITH WIFI	LUMINAIRE 1	OUTREACH	MOUNTING HEIGHT	LUMINAIRE 2	OUTREACH	MOUNTING HEIGHT	OTHER EQUIPMENT	SLCC OR TCCS
FARRELL PLACE (NORTH) X LONDON CIRCUIT X EDINGBURGH AVENUE INTERSECTION													
SL-270	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-271	MMP	MULTIPOLE	12.3000	YES	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	TCCS
SL-272	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-273	VP2	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	SLCC
SL-274	VP2	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	N/A	N/A	N/A	N/A	SLCC
SL-275	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-276	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-277	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-278	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-279	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-280	VP1	VICPOLE	12.0000	NO	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	SLCC
SL-281	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
SL-282	VP6	VICPOLE	12.0000	YES	NO	L1	4.5000	10.5000	L2	1.5000	6.5000	N/A	TCCS
PARKES WAY X COMMONWEALTH AVENUE X ALBERT AVENUE INTERSECTION													
SL-285	VP5	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L1	4.5000	12.0000	WAP	SLCC
SL-286	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-287	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-288	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-289	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-290	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-291	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-292	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-293	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-294	VP7	VICPOLE	13.5000	YES	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	TCCS
SL-295	EX-L	EXISTING	EXISTING	NO	NO	L5	EXISTING	EXISTING	N/A	N/A	N/A	N/A	SLCC
SL-296	VP5	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L1	4.5000	12.0000	WAP	SLCC
SL-297	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-298	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-299	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-300	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-301	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-302	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-303	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-304	VP3	VICPOLE	13.5000	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC
SL-305	VP7	VICPOLE	13.5000	YES	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	TCCS
SL-306	VP3	VICPOLE	13.5	NO	NO	L5	4.5000	12.0000	L2	1.5000	6.5000	N/A	SLCC

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
B	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J SINGH
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A
LIGHTING
LIGHTING SCHEDULE

SHEET 5

DESIGN LOT No: S210-STAGE 2A | SHEET: 05 OF 05 | A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0035 | EDMS No. | B

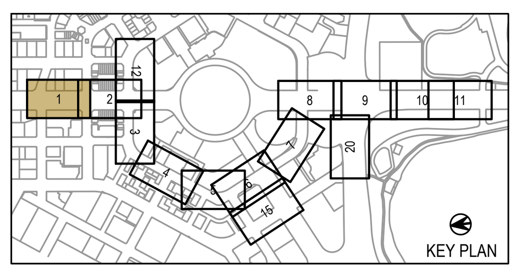
DF 801*554

File Plotted: S210-ACM-DRW-CIV-LT-0035
Plot Date & Time: 2/10/2023 8:50 AM
Plotted by GRIVASA

NOTES:

1. TEMPORARY LIGHTING DURING CONSTRUCTION TO BE DESIGNED AND PROVIDED BY CONTRACTOR.
2. CONTRACTOR TO ALLOW FOR 50mm STREET LIGHTING CONDUIT TO NEW POLES IF EXISTING POLE CIRCUITRY ALONG NORTHBOURNE AVENUE NEEDS TO BE SUPPLIED FROM THE NEW POLE CIRCUITS AS SHOWN.
3. CONTRACTOR TO ALLOW FOR 50mm STREET LIGHTING CONDUIT TO EXISTING COMBINED STREET LIGHTING POLE WITH TRAFFIC SIGNAL IF EXISTING POLE CIRCUITRY NEEDS TO BE SUPPLIED FROM THE NEW POLE CIRCUITS AS SHOWN. .
4. NEW POLES TO BE SUPPLIED FROM EXISTING CIRCUIT SUPPLYING POLE SL1082814.

NOT FOR CONSTRUCTION



SCALE 1:250 SCALE @ A1 — 2.5 0 5 10 12.5 m

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
NORTHBOURNE AVENUE/ ALINGA STREET
SHEET 1

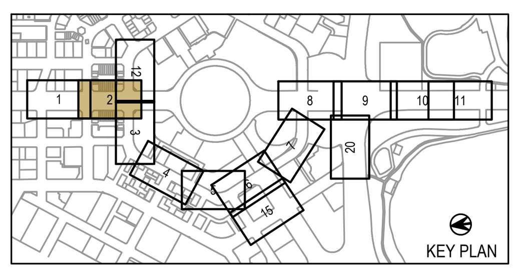
DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 12 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0101 | EDMS No. | F

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0101.dwg
Plot Date & Time: 2/10/2023 8:50 AM
Plotted by GRIVASA

NOTES:

1. TEMPORARY LIGHTING DURING CONSTRUCTION TO BE DESIGNED AND PROVIDED BY CONTRACTOR.
2. CONTRACTOR TO ALLOW FOR 50mm STREET LIGHTING CONDUIT TO NEW POLES IF EXISTING POLE CIRCUITRY ALONG NORTHBOURNE AVENUE NEEDS TO BE SUPPLIED FROM THE NEW POLE CIRCUITS AS SHOWN.
3. CONTRACTOR TO ALLOW FOR 50mm STREET LIGHTING CONDUIT TO EXISTING COMBINED STREET LIGHTING POLE WITH TRAFFIC SIGNAL IF EXISTING POLE CIRCUITRY NEEDS TO BE SUPPLIED FROM THE NEW POLE CIRCUITS AS SHOWN. .
4. NEW POLES TO BE SUPPLIED FROM EXISTING CIRCUIT SUPPLYING POLE SL1082814.



SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM Australia Pty Ltd A.B.N. 20 093 846 925

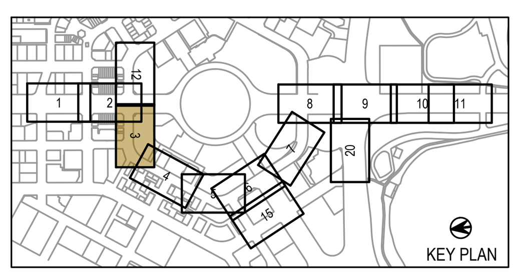
DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
LONDON CIRCUIT / NORTHBOURNE AVENUE
SHEET 2

DESIGN LOT No: S210-STAGE 2A SHEET: 02 OF 12 A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0102 EDMS No. F

DF 801*554



SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

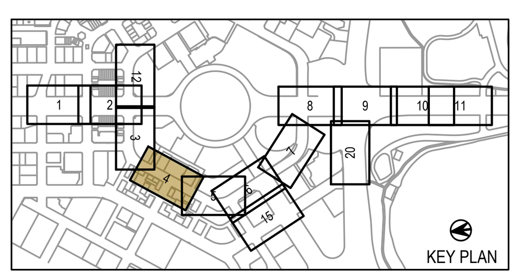
CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
LONDON CIRCUIT / WEST ROW
SHEET 3

DESIGN LOT No: S210-STAGE 2A | SHEET: 03 OF 12 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0103 | EDMS No. | F

DF 801*554

Plotted by GRIVASA



SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

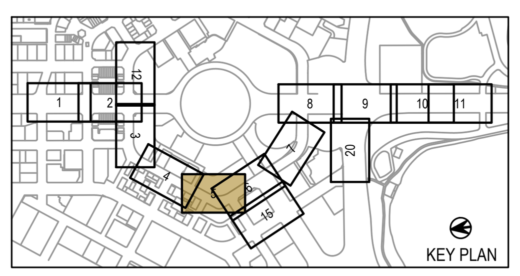
CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
LONDON CIRCUIT / UNIVERSITY AVENUE
SHEET 4

DESIGN LOT No: S210-STAGE 2A | SHEET: 04 OF 12 | A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0104 | EDMS No. | F

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0104.dwg
2/10/2023 8:53 AM
Plotted by GRIVASA



SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN: J GRIFFEN
DESIGNED: C LEUNG
DRG CHECK: C LEUNG
DESIGN CHECK: G THEORODOUPOLAS
APPROVED: J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
LONDON CIRCUIT / GORDON STREET
SHEET 5

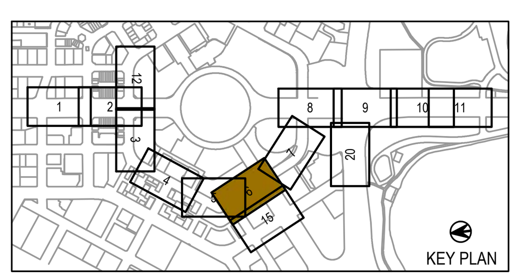
DESIGN LOT No: S210-STAGE 2A | SHEET: 05 OF 12 | A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0105 | EDMS No. | F

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0105.dwg
2/10/2023 8:54 AM
Plotted by GRIVASA

NOTES:

1. REFER TO STOPS DRAWING S210-ACM-DRW-BLD-ST-1220 FOR LIGHT POLE LOCATION ON EDINBURGH STOP AND STOP PLATFORM



SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

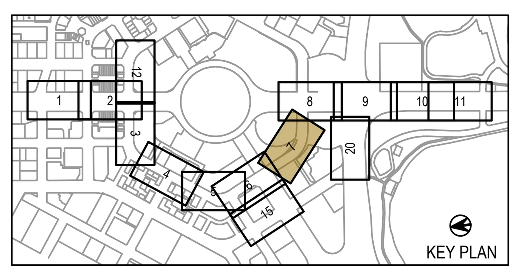
CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
LONDON CIRCUIT / EDINBURGH AVENUE
SHEET 6

DESIGN LOT No: S210-STAGE 2A SHEET: 06 OF 12 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0106 EDMS No. F

DF 801*554

Plotted by SINGHJ



SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
COMMONWEALTH AVENUE / LONDON CIRCUIT
SHEET 7

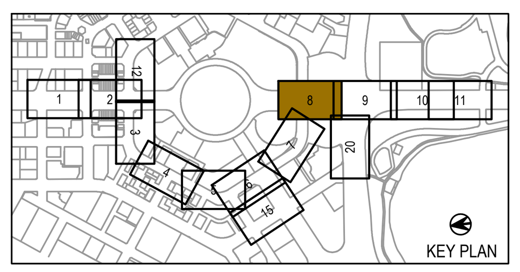
DESIGN LOT No: S210-STAGE 2A | SHEET: 07 OF 12 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0107 | EDMS No. | E

DF 801*554

C:\pwworking\aecom_ds12_au\julian.singh@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0107.dwg
File Plotted: S210-ACM-DRW-CIV-LT-0107
Plot Date & Time: 2/15/2023 8:21 AM
Plotted by SINGHJ

NOTES:

1. REFER TO STOPS DRAWING S210-ACM-DRW-BLD-ST-2220 FOR LIGHT POLE LOCATION ON CITY SOUTH STOP AND STOP PLATFORM



SCALE 1:250 SCALE @ A1 2.5 0 5 10 12.5 m

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

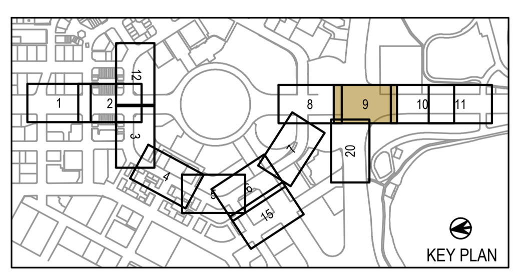
CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
COMMONWEALTH AV/CITY SOUTH
SHEET 8

DESIGN LOT No: S210-STAGE 2A SHEET: 08 OF 12 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0108 EDMS No. F

DF 801*554

Plotted by SINGHJ
Plot Date & Time: 2/15/2023 8:41 AM



SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

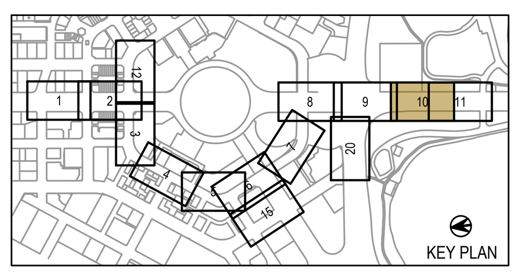
CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
COMMONWEALTH AV/PARKES WAY ON RAMP
SHEET 9

DESIGN LOT No: S210-STAGE 2A SHEET: 09 OF 12 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0109 EDMS No. E

DF 801*554

Plotted by SINGHJ



SCALE 1:250 SCALE @ A1 (2.5 0 5 10 12.5 m)

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
COMMONWEALTH PARK
SHEET 10

DESIGN LOT No: S210-STAGE 2A SHEET: 10 OF 12 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0110 EDMS No. F

DF 801*554

Plotted by GRIVASA

NOTES:

1. NEW POLES TO BE SUPPLIED FROM EXISTING CIRCUIT SUPPLYING POLE SL211158.
2. NEW POLES TO BE SUPPLIED FROM EXISTING CIRCUIT SUPPLYING POLE SL107244.
3. REFER TO STOPS DRAWING S210-ACM-DRW-BLD-ST-3220 FOR LIGHT POLE LOCATION ON COMMWEALTH PARK STOP AND STOP PLATFORM

KEY PLAN

SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO — HEIGHT DATUM: AHD — SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
COMMONWEALTH AV/ALBERT ST
SHEET 11

DESIGN LOT No: S210-STAGE 2A — SHEET: 11 OF 12 — A1

STATUS: APPROVALS ISSUE ©

DRG No. S210-ACM-DRW-CIV-LT-0111 — EDMS No. — F

DF 801*554

Plotted by GRIVASA

NOTES:

1. NEW POLES TO BE SUPPLIED FROM EXISTING CIRCUIT SUPPLYING POLE SL1082362.

NOT FOR CONSTRUCTION

KEY PLAN

SCALE 1:250 — 2.5 0 5 10 12.5 m
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

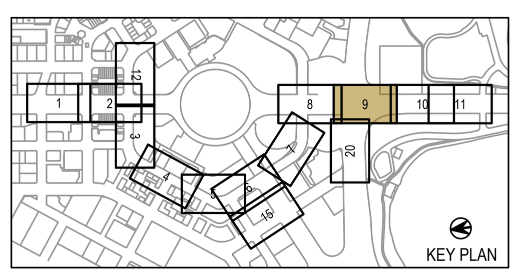
CANBERRA LIGHT RAIL 2A

LIGHTING
GENERAL ARRANGEMENT
NORTHBOURNE AVENUE/ ALINGA STREET
SHEET 12

DESIGN LOT No: S210-STAGE 2A SHEET: 12 OF 12 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0112 EDMS No. F

DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0112.dwg
File Plotted: S210-ACM-DRW-CIV-LT-0112
2/10/2023 9:00 AM
Plotted by GRIVASA



SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

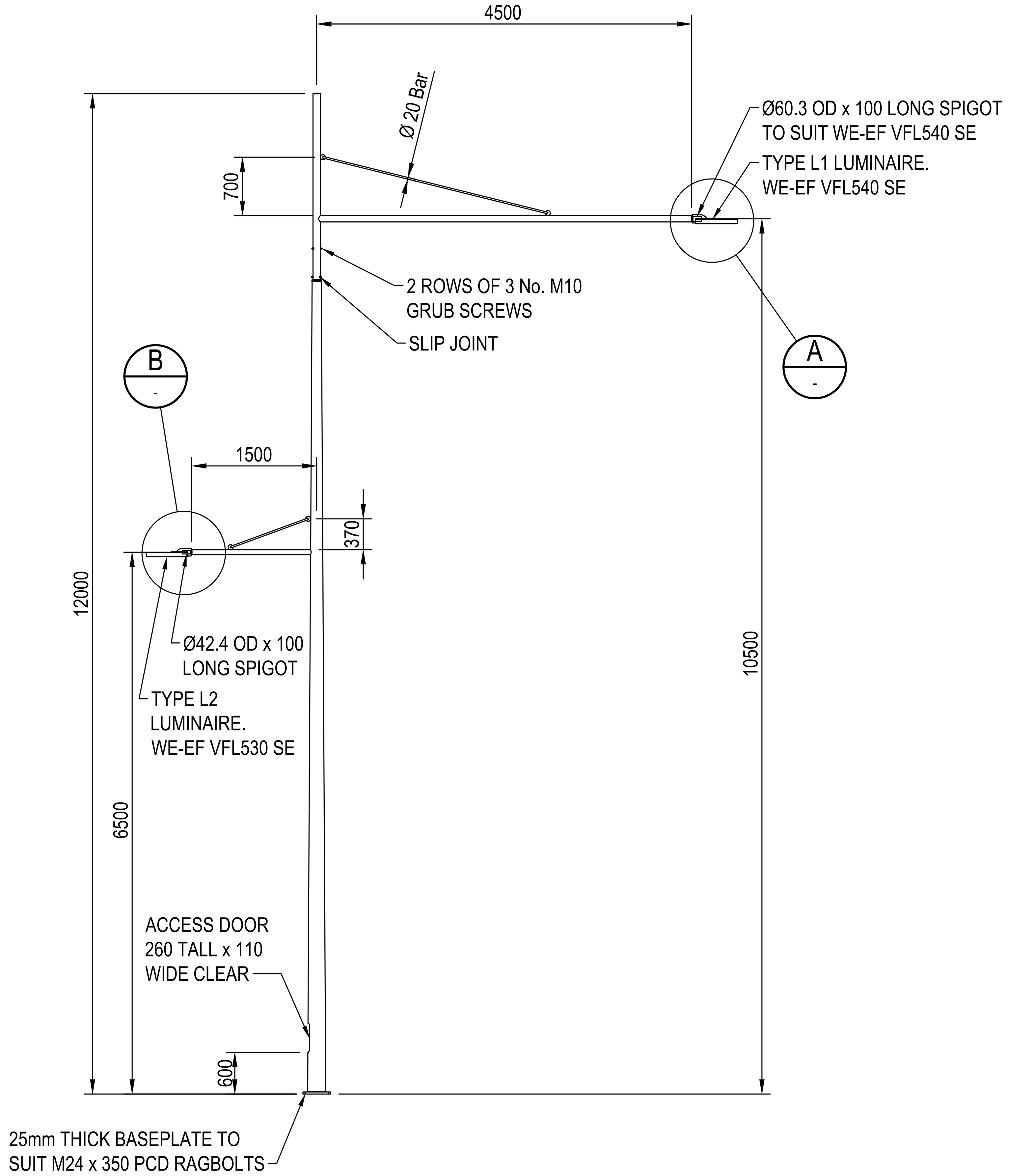
DRAWN J SINGH
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A
LIGHTING
GENERAL ARRANGEMENT

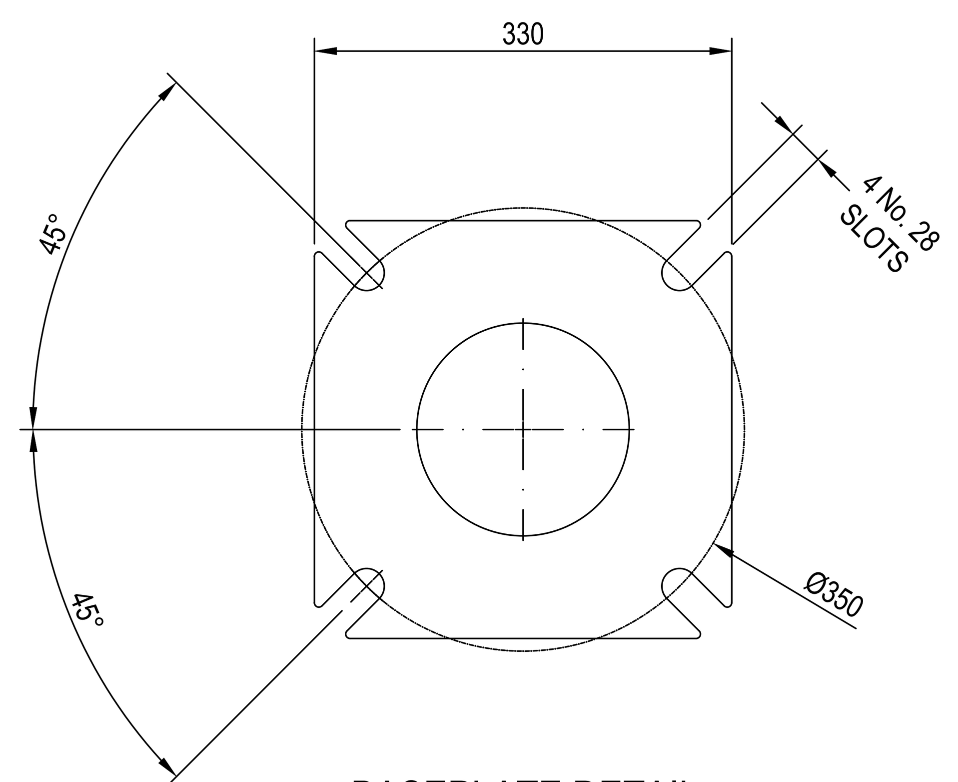
DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0120 | EDMS No. | A

DF 801*554



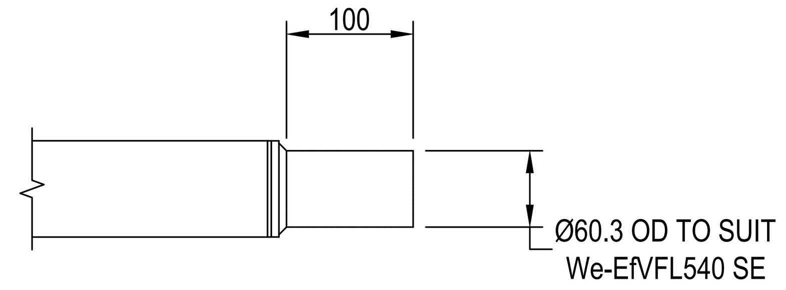
VP1 : 12m POLE, LUMINAIRE L1 AT 10.5m H AND AT 4.5m OUTREACH, LUMINAIRE L2 AT 6.5H AND 1.5m OUTREACH

SCALE: 1:50



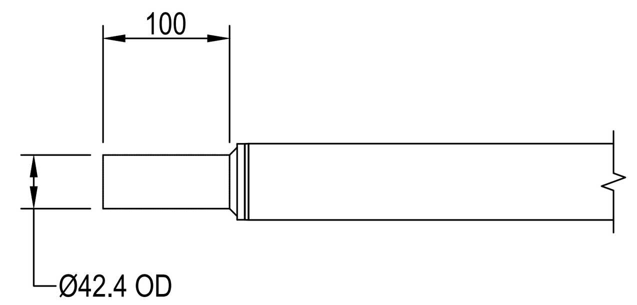
BASEPLATE DETAIL

SCALE: 1:5



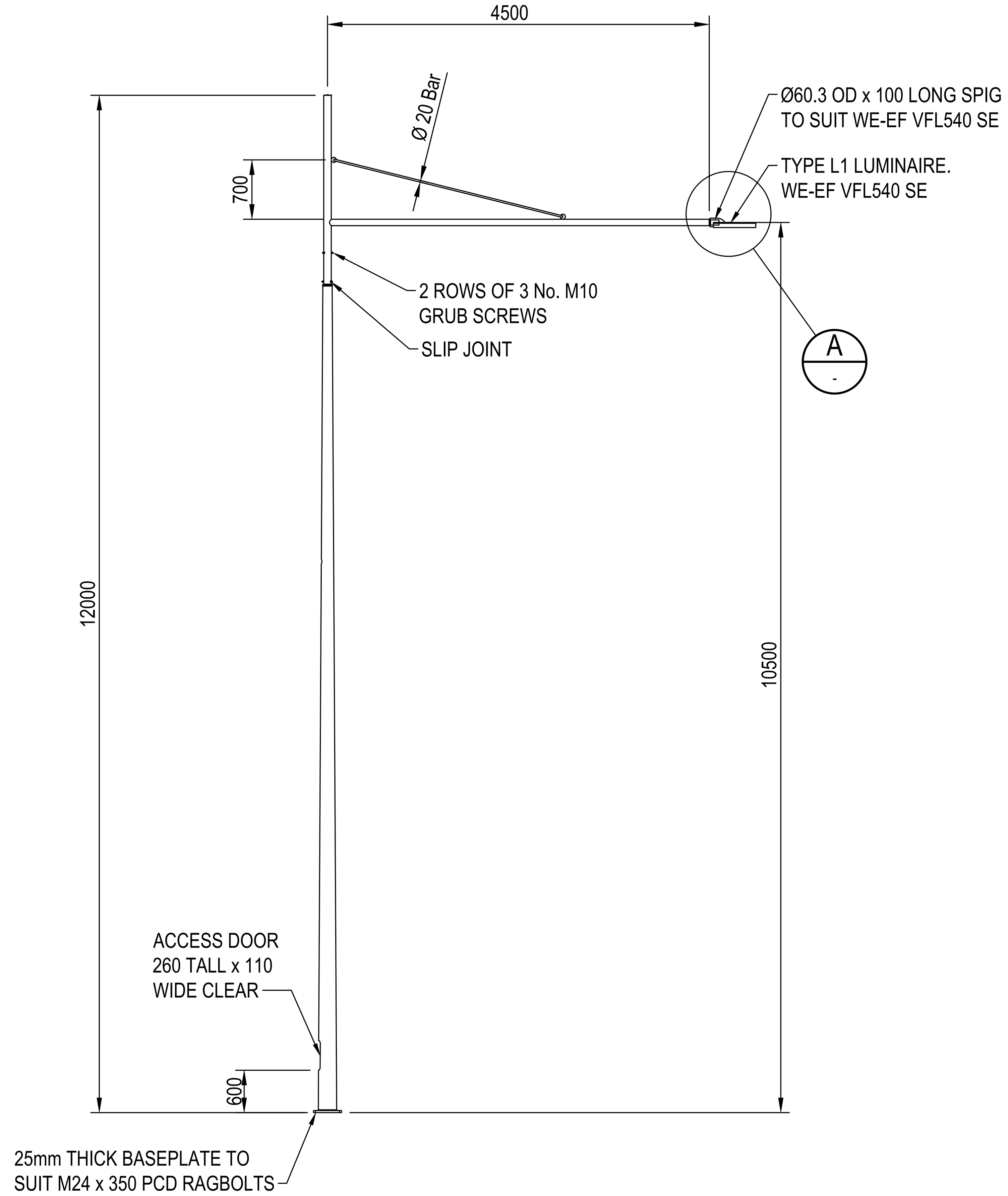
DETAIL A

SCALE 1:5



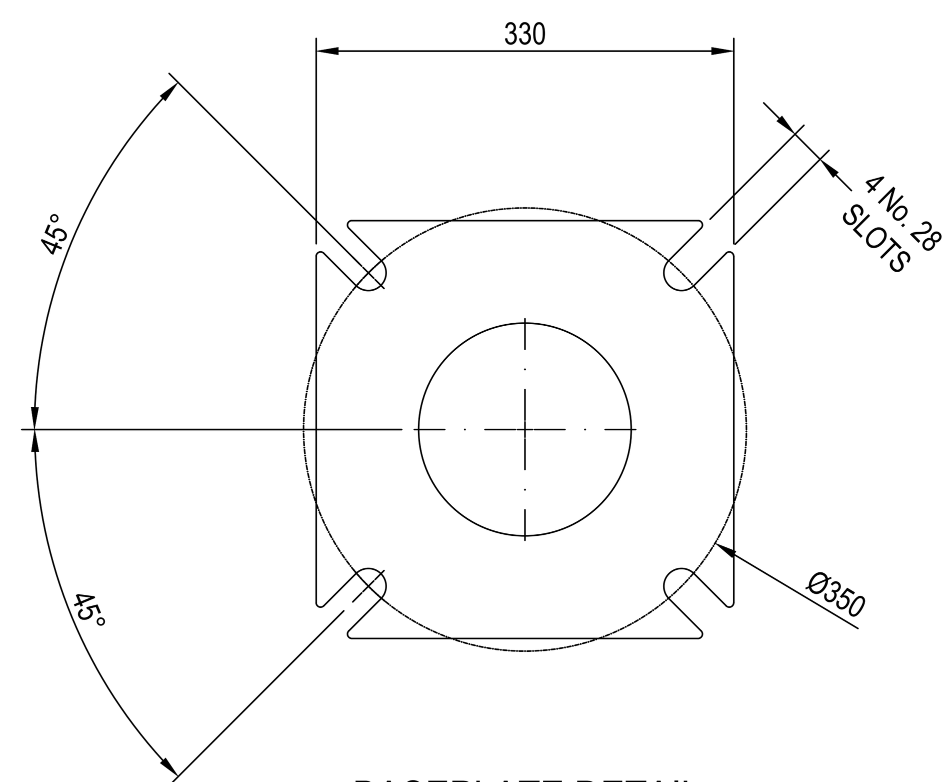
DETAIL B

SCALE 1:5



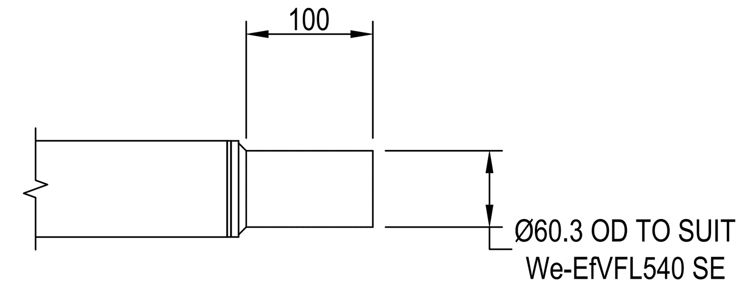
VP2: 12m POLE, LUMINAIRE L1 AT 10.5m H AND AT 4.5m OUTREACH

SCALE: 1:50



BASEPLATE DETAIL

SCALE: 1:5



DETAIL A

SCALE 1:5

SCALE 1:5 0.05 0 0.10 0.20 0.25 m

SCALE 1:50 0.5 0 1 2 2.5 m

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
TAPERED POLE CONFIGURATIONS

SHEET 1

DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 06 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0202 | EDMS No. | E

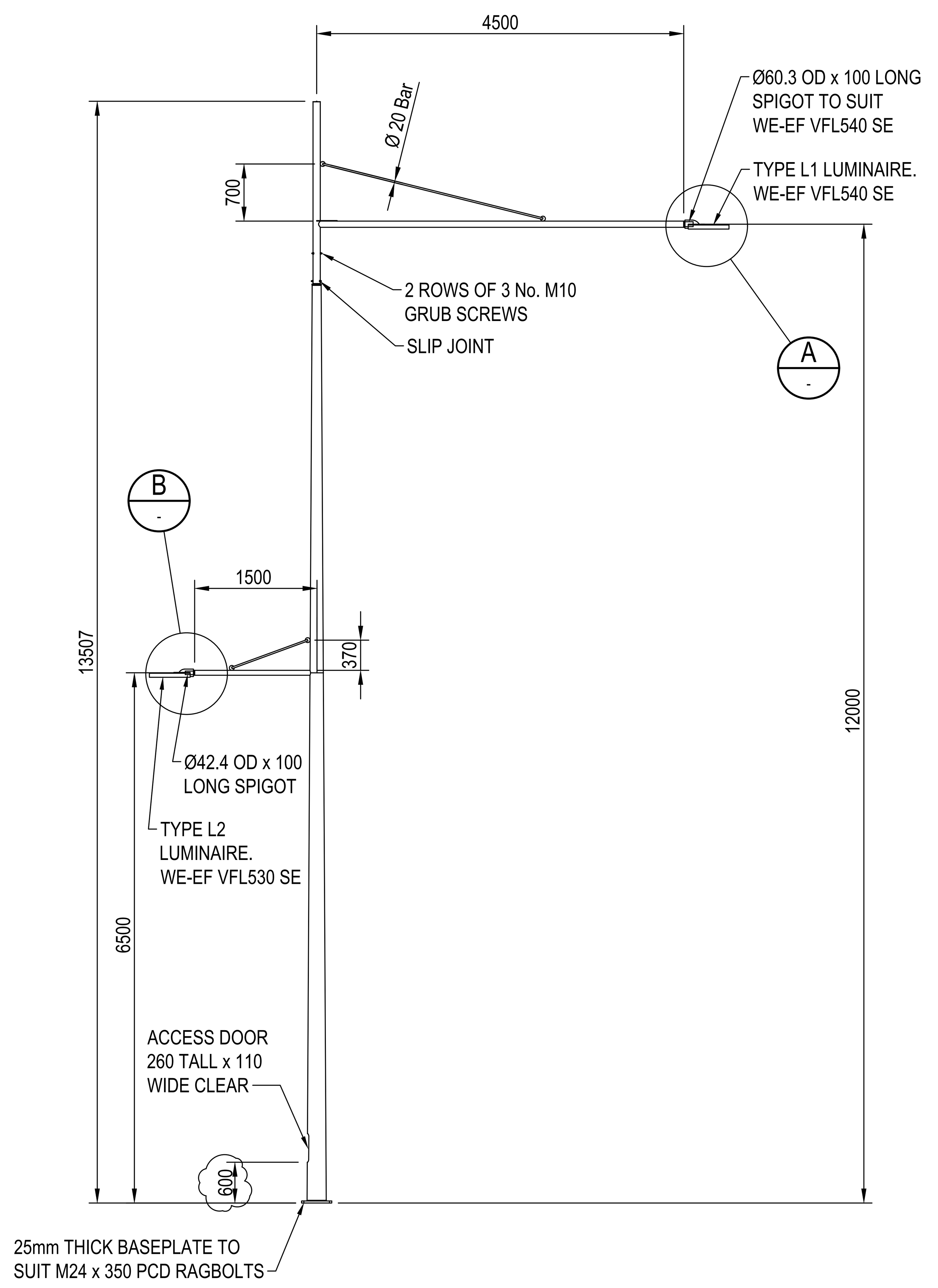
DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0202.dwg

File Plotted S210-ACM-DRW-CIV-LT-0202

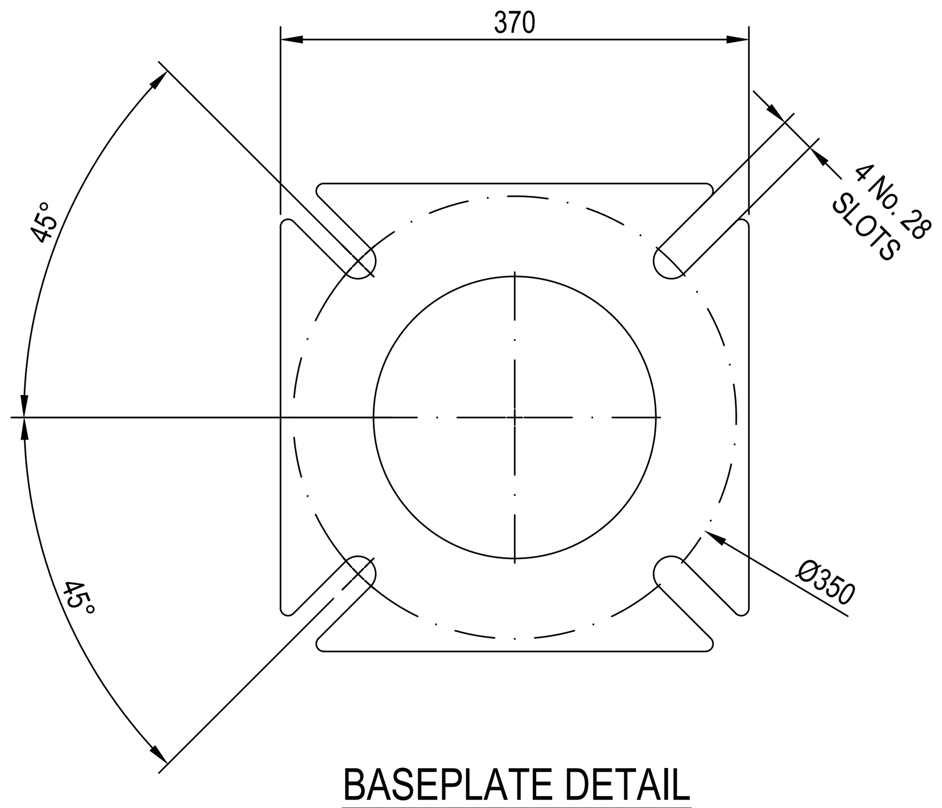
Plot Date & Time 2/10/2023 9:01 AM

Plotted by GRIVASA



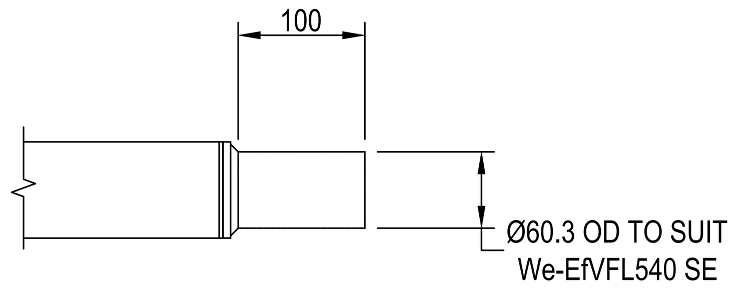
VP3: 13.5m POLE, LUMINAIRE L1 AT 12m H AND AT 4.5m OUTREACH, LUMINAIRE L2 AT 6.5H AND 1.5m OUTREACH

SCALE: 1:50



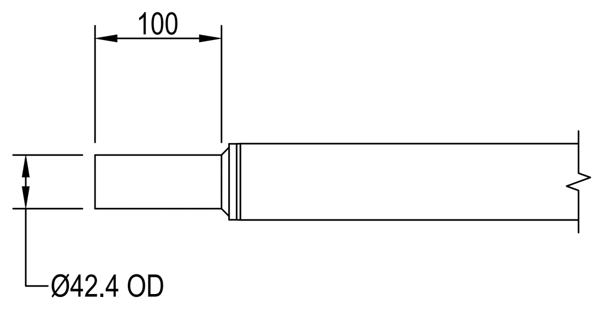
BASEPLATE DETAIL

SCALE: 1:5



DETAIL A -

SCALE 1:5



DETAIL B -

SCALE 1:5

SCALE 1:5 0.05 0 0.10 0.20 0.25 m

SCALE 1:50 0.5 0 1 2 2.5 m

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING

TAPERED POLE CONFIGURATIONS

SHEET 2

DESIGN LOT No: S210-STAGE 2A | SHEET: 02 OF 06 | A1

STATUS: APPROVALS ISSUE ©

DRG No. S210-ACM-DRW-CIV-LT-0203 | EDMS No. | E

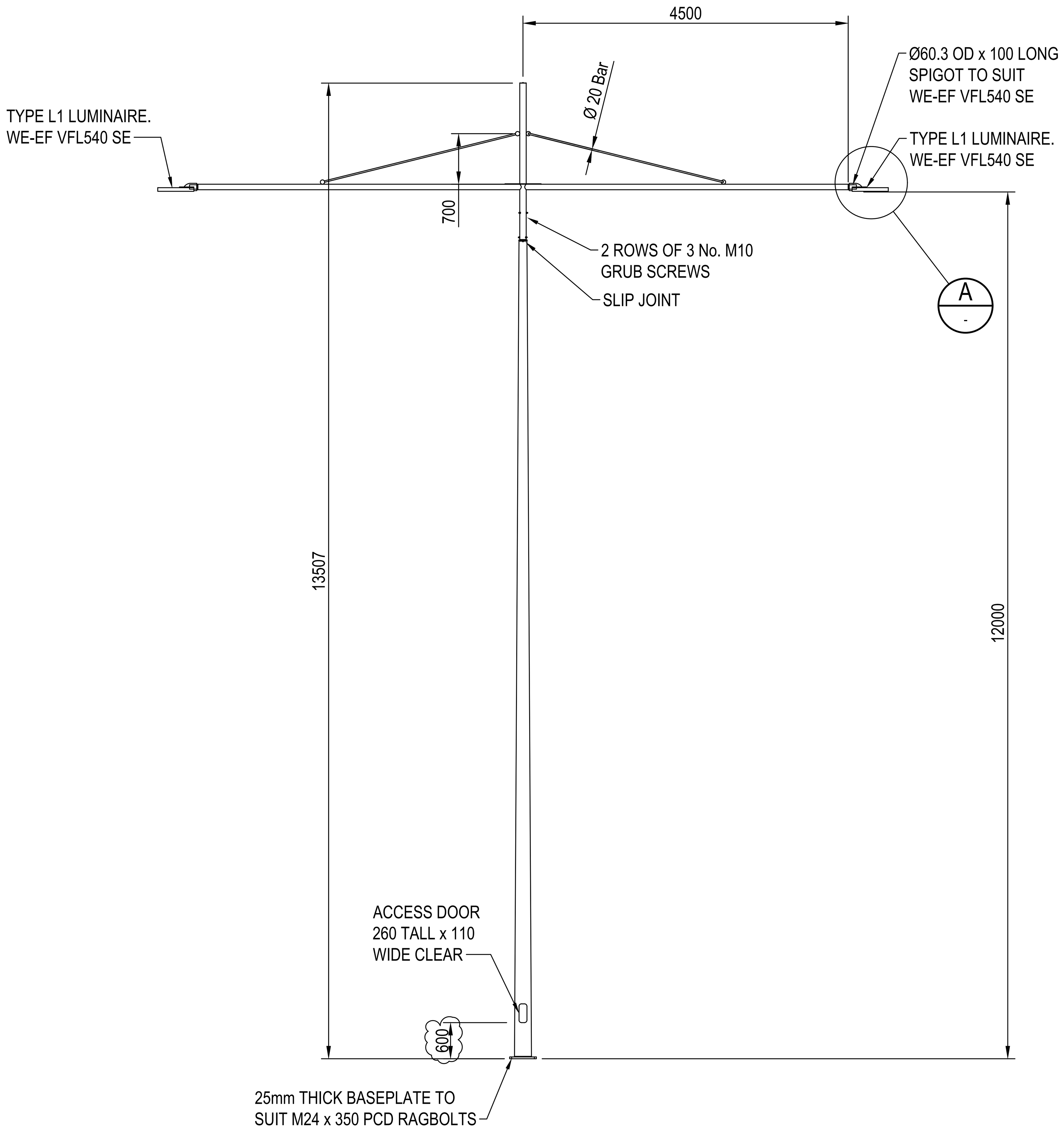
DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0203.dwg

File Plotted: S210-ACM-DRW-CIV-LT-0203

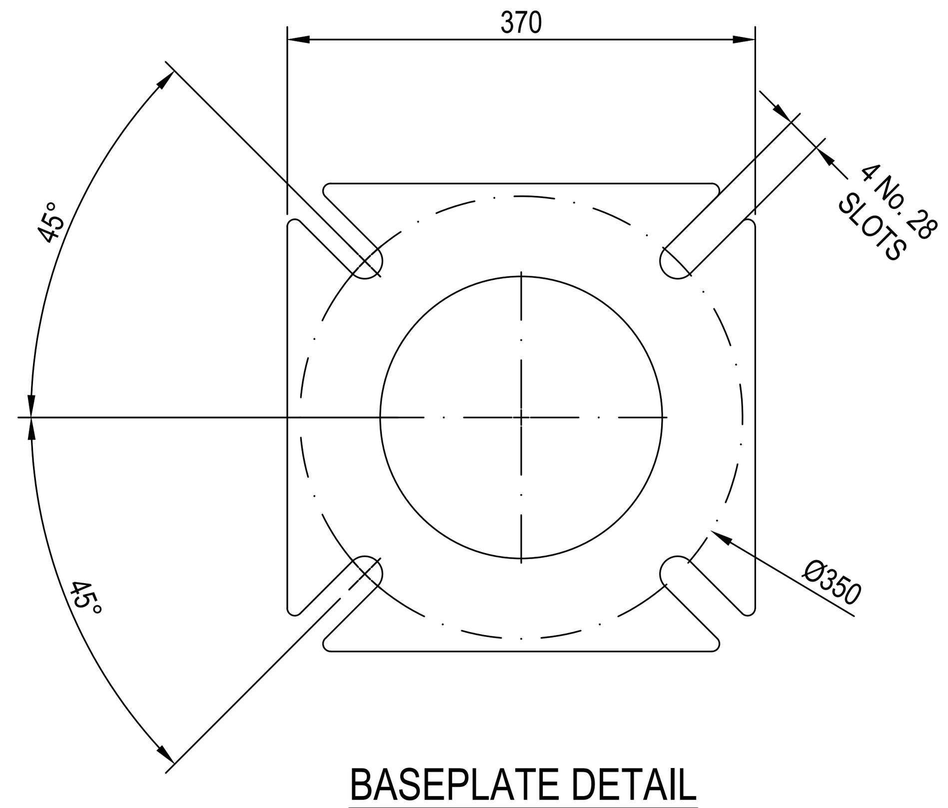
Plot Date & Time: 2/10/2023 9:01 AM

Plotted by: GRIVASA



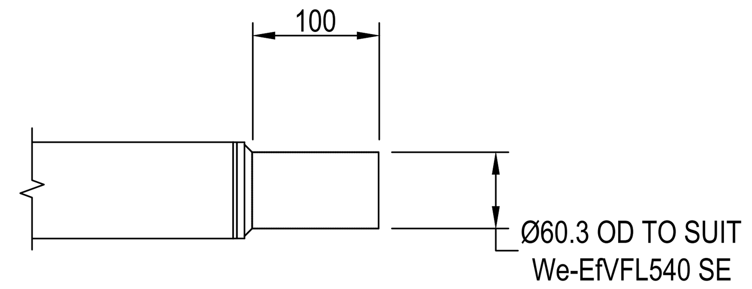
VP5: 13.5m POLE, LUMINAIRE L1 AT 12m H AND AT 4.5m OUTREACH,
LUMINAIRE L2 AT 12m H AND 4.5m OUTREACH

SCALE: 1:50



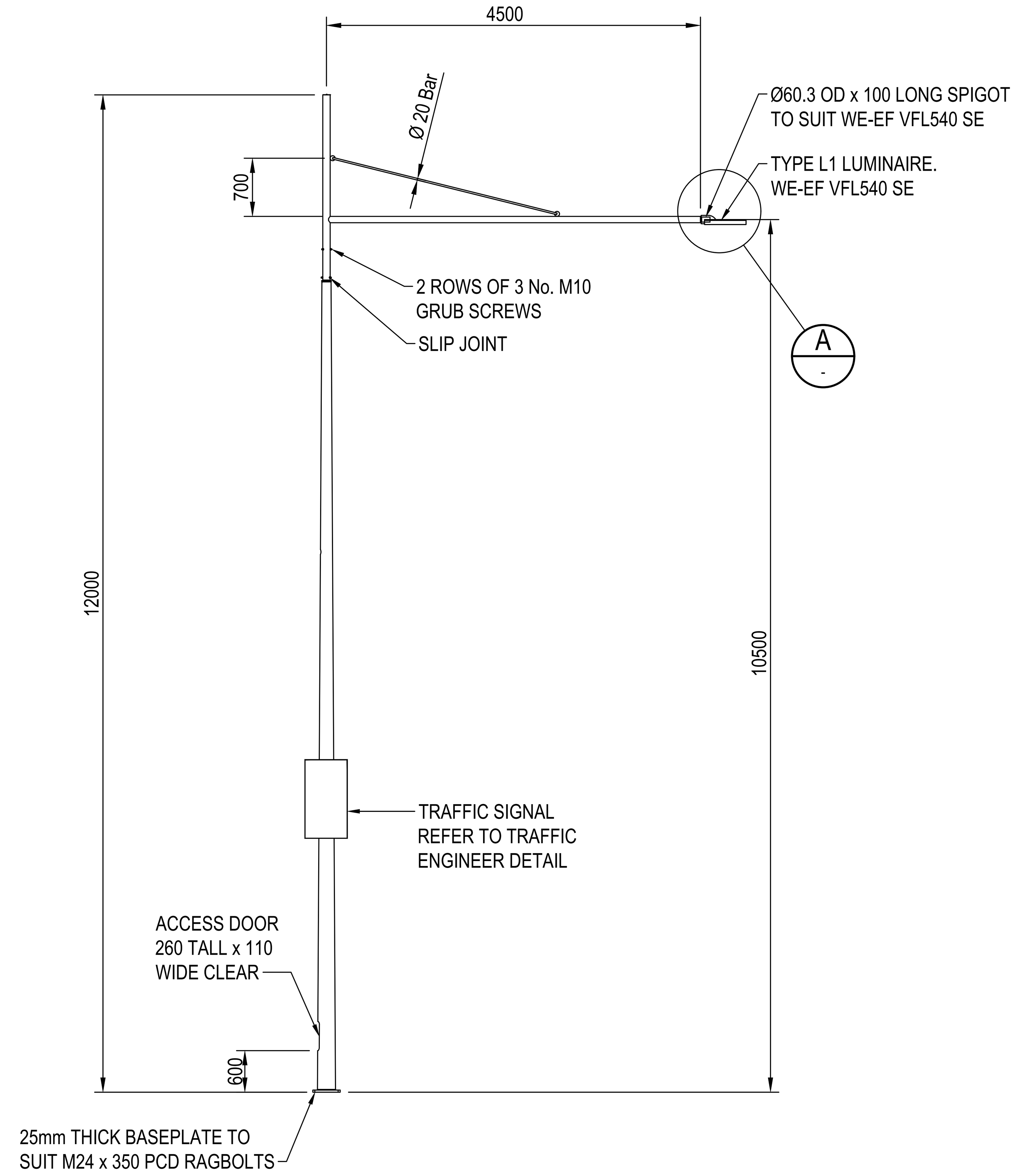
BASEPLATE DETAIL

SCALE: 1:5



DETAIL A

SCALE 1:5



VP9: 12m POLE, LUMINAIRE L1 AT
10.5m H AND AT 4.5m OUTREACH
COMBINED USED POLE WITH TRAFFIC SIGNAL EQUIPMENT

SCALE: 1:50

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm).
2. COLUMN DESIGN TO COMPLY WITH AS 1170 & AS 1798.
3. ALL WELDING TO COMPLY WITH AS 1554.
4. GALVANISING TO CONFORM TO AS/NZS 4680.
5. PAINT FINISH TO AS 3887 CATEGORY LONG TERM.
6. BASE PLATE AND FOUNDATION BOLT ASSEMBLIES SHALL BE FABRICATED TO THE REQUIREMENTS SPECIFIED BY THE COLUMN MANUFACTURER. INSTALLATION SHALL BE IN ACCORDANCE WITH COLUMN MANUFACTURER REQUIREMENTS.
7. REFER TO TRAFFIC ENGINEERING DRAWING ACTSD-3912 FOR TRAFFIC EQUIPMENT CLEARANCE REQUIREMENT.
8. REFER TO TRAFFIC ENGINEERING SCHEDULE FOR TRAFFIC EQUIPMENT REQUIRED ON POLE.

SCALE 1:5 0.05 0 0.10 0.20 0.25 m

SCALE 1:50 0.5 0 1 2 2.5 m

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
TAPERED POLE CONFIGURATIONS

SHEET 3

DESIGN LOT No: S210-STAGE 2A | SHEET: 03 OF 06 | A1

STATUS: APPROVALS ISSUE ©

DRG No. S210-ACM-DRW-CIV-LT-0204 | EDMS No. | E

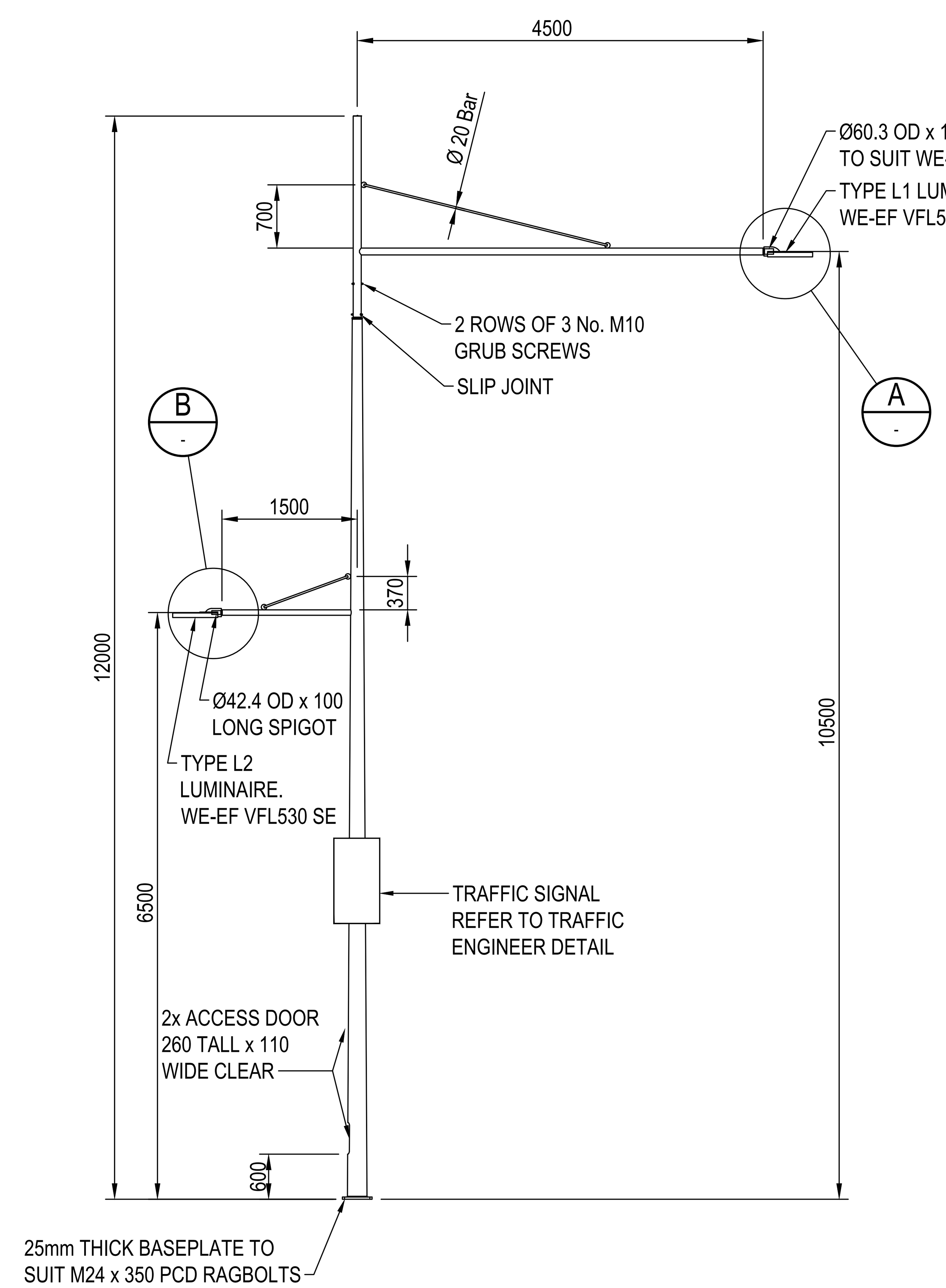
DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0204.dwg

File Plotted: S210-ACM-DRW-CIV-LT-0204

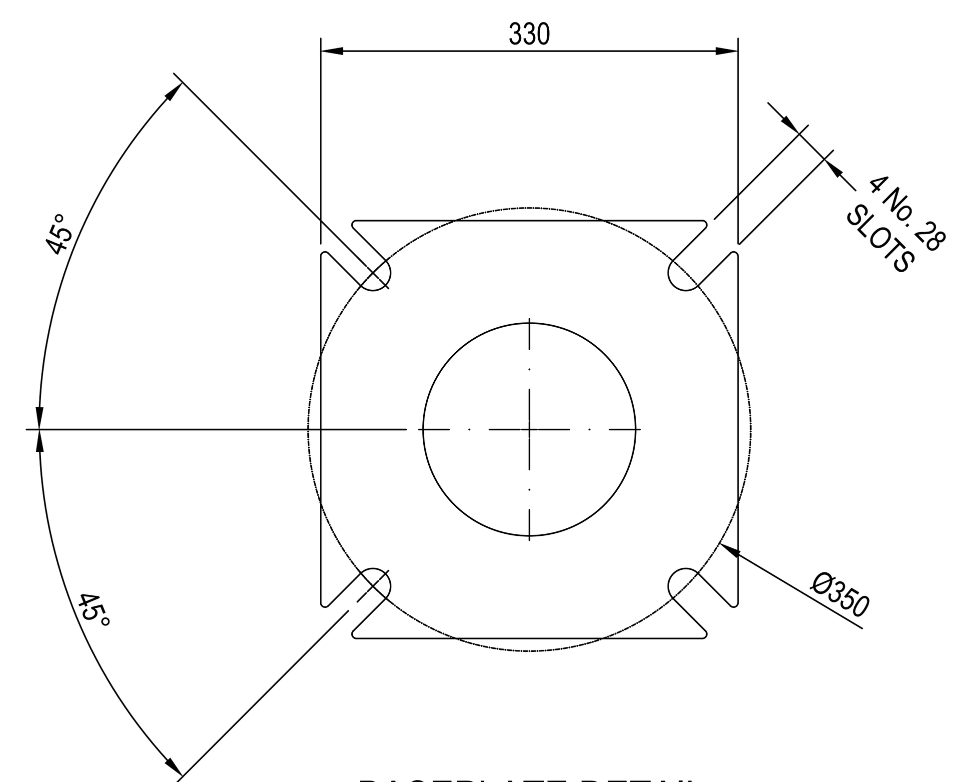
Plot Date & Time: 2/10/2023 9:02 AM

Plotted by GRIVASA



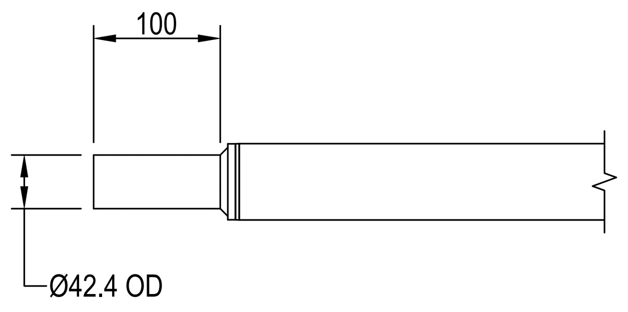
VP6: 12m POLE, LUMINAIRE L1 AT 10.5m H AND AT 4.5m OUTREACH, LUMINAIRE L2 AT 6.5H AND 1.5m OUTREACH COMBINED USED POLE WITH TRAFFIC SIGNAL EQUIPMENT

SCALE: 1:50



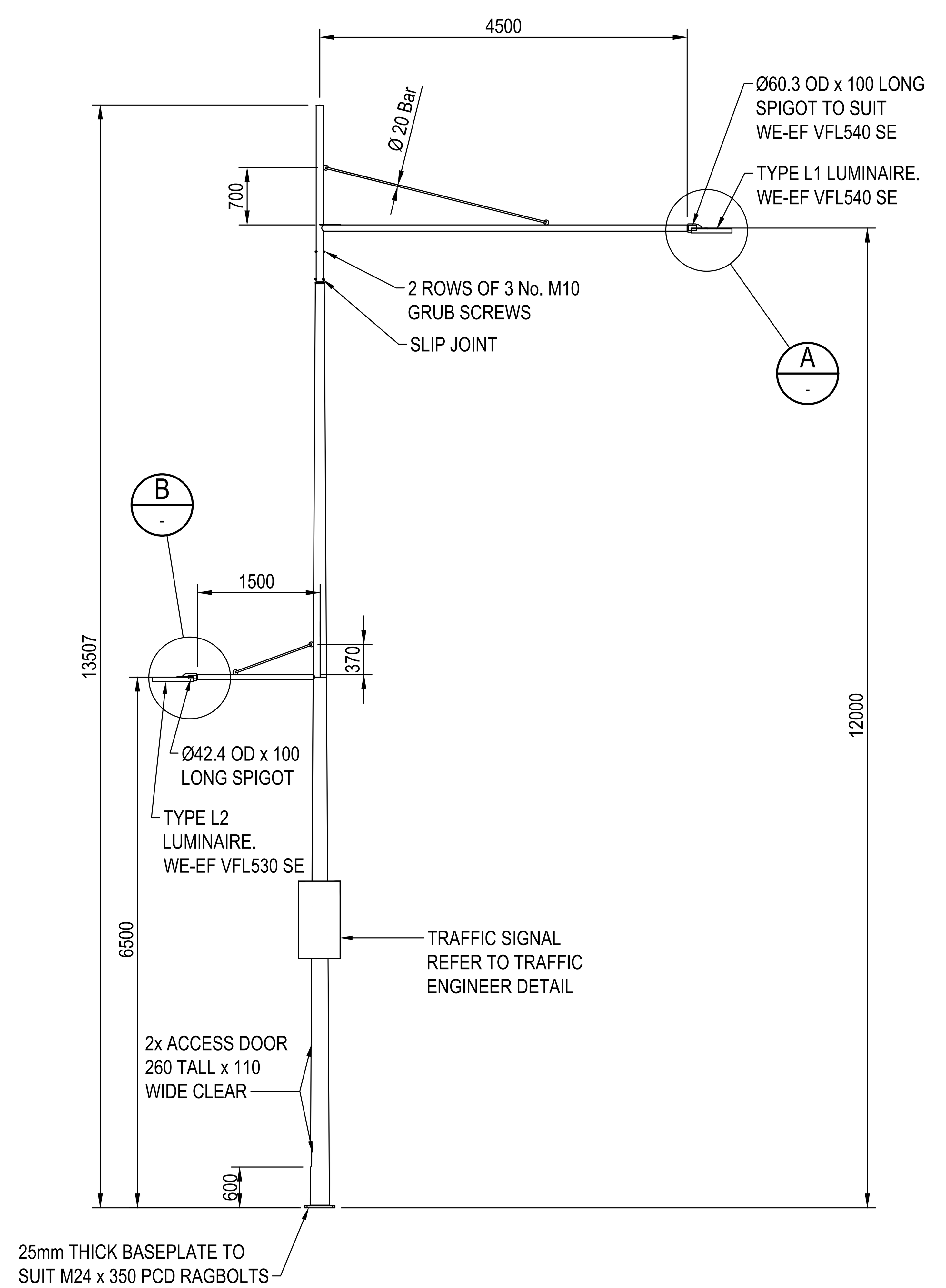
BASEPLATE DETAIL

SCALE: 1:5



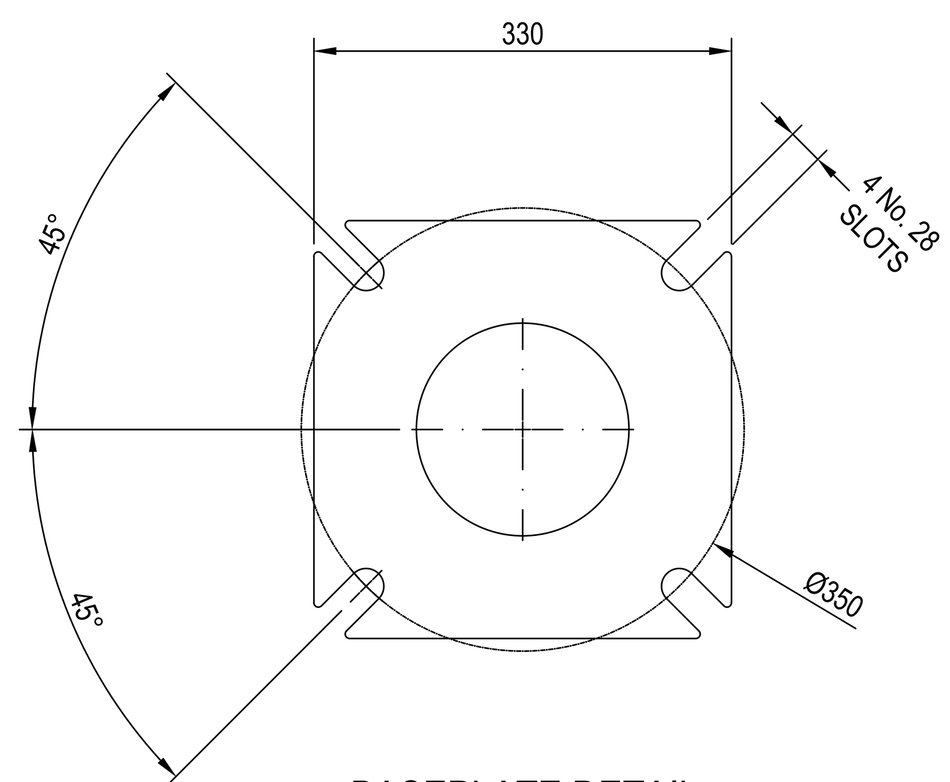
DETAIL B

SCALE 1:5



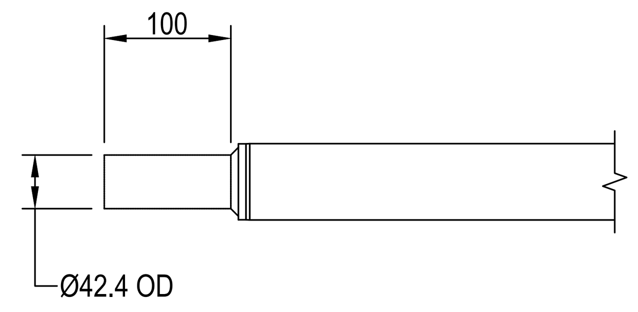
VP7: 13.5m POLE, LUMINAIRE L1 AT 12m H AND AT 4.5m OUTREACH, LUMINAIRE L2 AT 6.5H AND 1.5m OUTREACH COMBINED USED POLE WITH TRAFFIC SIGNAL EQUIPMENT

SCALE: 1:50



BASEPLATE DETAIL

SCALE: 1:5



DETAIL B

SCALE 1:5

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm).
2. COLUMN DESIGN TO COMPLY WITH AS 1170 & AS 1798.
3. ALL WELDING TO COMPLY WITH AS 1554.
4. GALVANISING TO CONFORM TO AS/NZS 4680.
5. PAINT FINISH TO AS 3887 CATEGORY LONG TERM.
6. BASE PLATE AND FOUNDATION BOLT ASSEMBLIES SHALL BE FABRICATED TO THE REQUIREMENTS SPECIFIED BY THE COLUMN MANUFACTURER. INSTALLATION SHALL BE IN ACCORDANCE WITH COLUMN MANUFACTURER REQUIREMENTS.
7. REFER TO TRAFFIC ENGINEERING DRAWING ACTSD-3912 FOR TRAFFIC EQUIPMENT CLEARANCE REQUIREMENT.
8. REFER TO TRAFFIC ENGINEERING SCHEDULE FOR TRAFFIC EQUIPMENT REQUIRED ON POLE.

SCALE 1:5 0.05 0 0.10 0.20 0.25 m

SCALE 1:50 0.5 0 1 2 2.5 m

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM

AECOM Australia Pty Ltd A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING

TAPERED POLE CONFIGURATIONS

SHEET 4

DESIGN LOT No: S210-STAGE 2A | SHEET: 04 OF 06 | A1

STATUS: APPROVALS ISSUE | ©

DRG No. S210-ACM-DRW-CIV-LT-0205 | EDMS No. | E

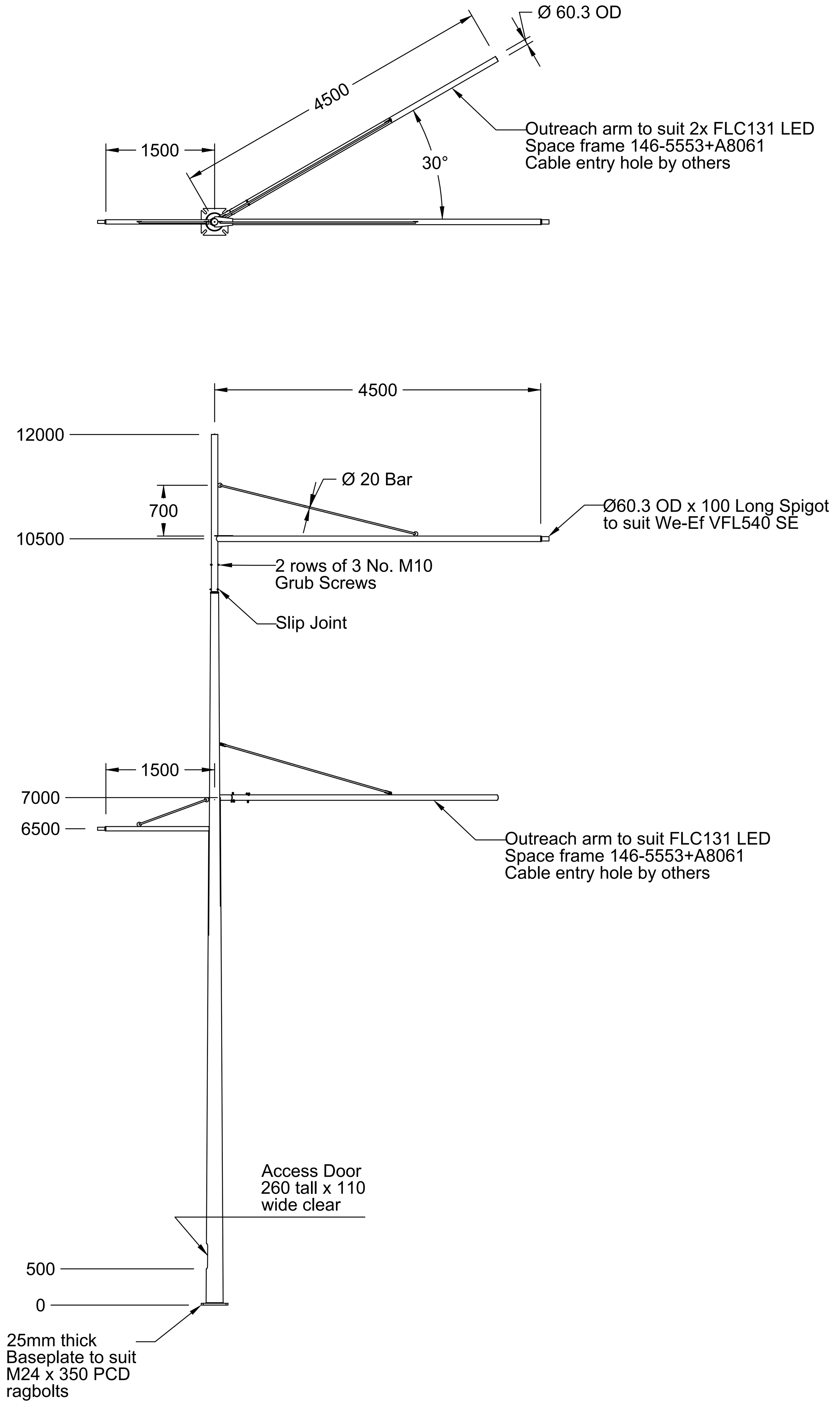
DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0205.dwg

File Plotted S210-ACM-DRW-CIV-LT-0205

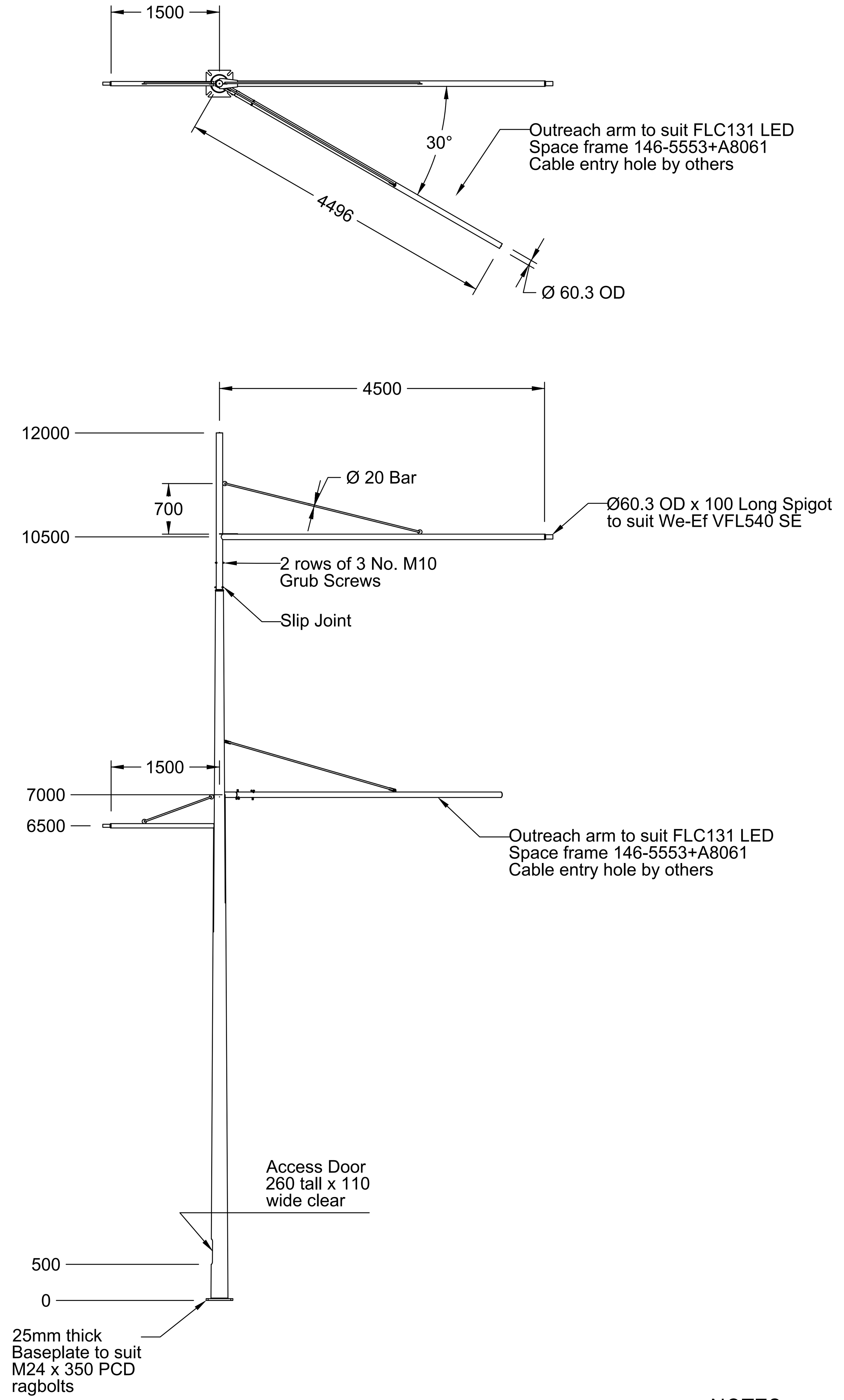
Plot Date & Time 2/10/2023 9:02 AM

Plotted by GRIVASA



VP10: 12m POLE, LUMINAIRE L1 AT 10.5m H AND AT 4.5m OUTREACH,
LUMINAIRE L2 AT 6.5m H AND 1.5m OUTREACH
2x FLOODLIGHTS AT 7m H AND 4.5m OUTREACH

SCALE: 1:50



VP11: 12m POLE, LUMINAIRE L1 AT 10.5m H AND AT 4.5m OUTREACH,
LUMINAIRE L2 AT 6.5m H AND 1.5m OUTREACH
1x FLOODLIGHT AT 7m H AND 4.5m OUTREACH

SCALE: 1:50

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm).
2. COLUMN DESIGN TO COMPLY WITH AS 1170 & AS 1798.
3. ALL WELDING TO COMPLY WITH AS 1554.
4. GALVANISING TO CONFORM TO AS/NZS 4680.
5. PAINT FINISH TO AS 3887 CATEGORY LONG TERM.
6. BASE PLATE AND FOUNDATION BOLT ASSEMBLIES SHALL BE FABRICATED TO THE REQUIREMENTS SPECIFIED BY THE COLUMN MANUFACTURER. INSTALLATION SHALL BE IN ACCORDANCE WITH COLUMN MANUFACTURER REQUIREMENTS.
7. REFER TO TRAFFIC ENGINEERING DRAWING ACTSD-3912 FOR TRAFFIC EQUIPMENT CLEARANCE REQUIREMENT.

SCALE 1:5 0.05 0 0.10 0.20 0.25 m
SCALE 1:50 0.5 0 1 2 2.5 m
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J SINGH
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

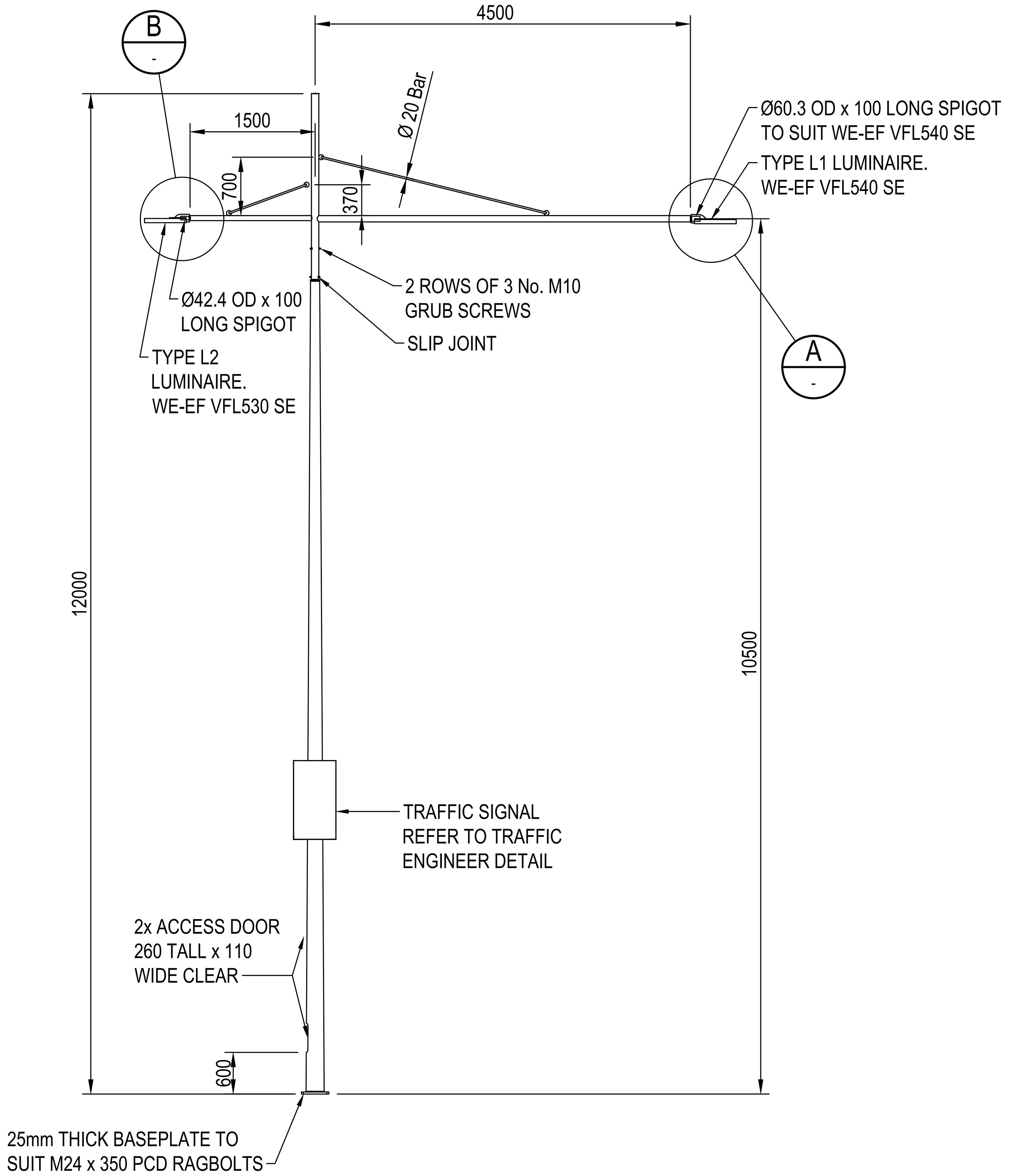
CANBERRA LIGHT RAIL 2A

LIGHTING
TAPERED POLE CONFIGURATIONS

SHEET 5

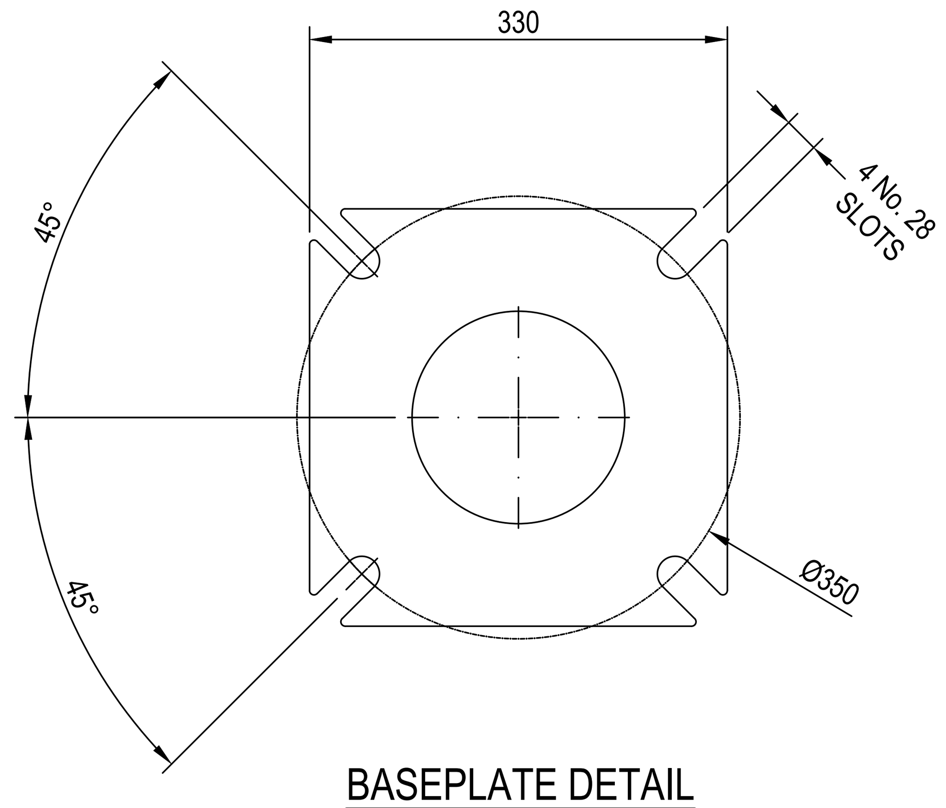
DESIGN LOT No: S210-STAGE 2A | SHEET: 05 OF 06 | A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0206 | EDMS No. | A

DF 801*554



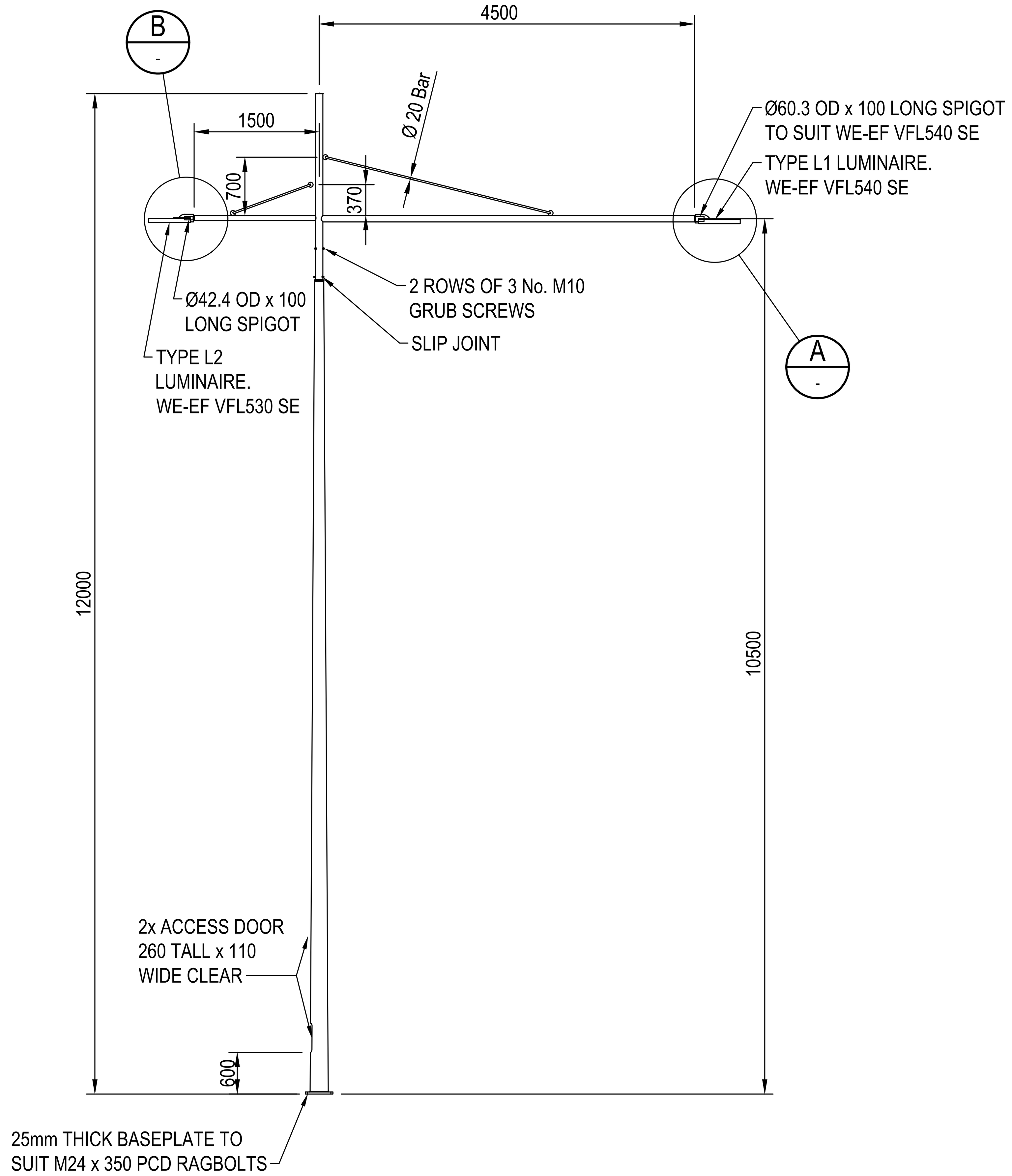
VP12: 12m POLE, LUMINAIRE L1 AT 10.5m H AND AT 4.5m OUTREACH, LUMINAIRE L2 AT 10.5H AND 1.5m OUTREACH COMBINED USED POLE WITH TRAFFIC SIGNAL EQUIPMENT

SCALE: 1:50



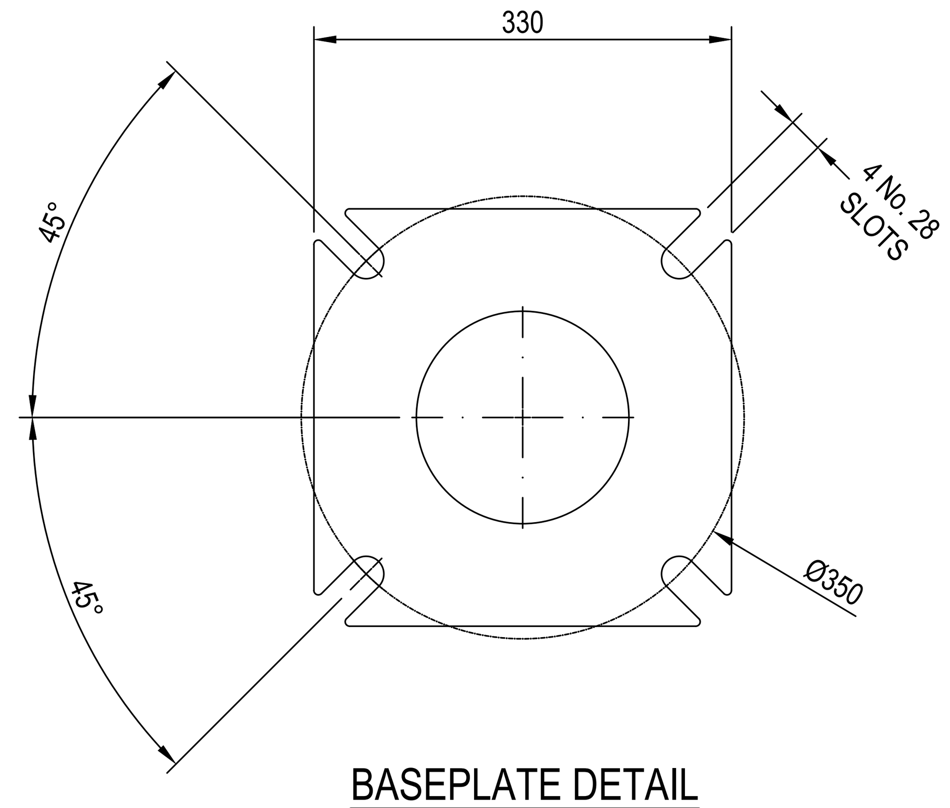
BASEPLATE DETAIL

SCALE: 1:5



VP13: 12m POLE, LUMINAIRE L1 AT 10.5m H AND AT 4.5m OUTREACH, LUMINAIRE L2 AT 10.5H AND 1.5m OUTREACH

SCALE: 1:50



BASEPLATE DETAIL

SCALE: 1:5

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm).
2. COLUMN DESIGN TO COMPLY WITH AS 1170 & AS 1798.
3. ALL WELDING TO COMPLY WITH AS 1554.
4. GALVANISING TO CONFORM TO AS/NZS 4680.
5. PAINT FINISH TO AS 3887 CATEGORY LONG TERM.
6. BASE PLATE AND FOUNDATION BOLT ASSEMBLIES SHALL BE FABRICATED TO THE REQUIREMENTS SPECIFIED BY THE COLUMN MANUFACTURER. INSTALLATION SHALL BE IN ACCORDANCE WITH COLUMN MANUFACTURER REQUIREMENTS.
7. REFER TO TRAFFIC ENGINEERING DRAWING ACTSD-3912 FOR TRAFFIC EQUIPMENT CLEARANCE REQUIREMENT.
8. REFER TO TRAFFIC ENGINEERING SCHEDULE FOR TRAFFIC EQUIPMENT REQUIRED ON POLE.

SCALE 1:5 0.05 0 0.10 0.20 0.25 m

SCALE 1:50 0.5 0 1 2 2.5 m

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J SINGH
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING

TAPERED POLE CONFIGURATIONS

SHEET 6

DESIGN LOT No: S210-STAGE 2A | SHEET: 06 OF 06 | A1

STATUS: APPROVALS ISSUE ©

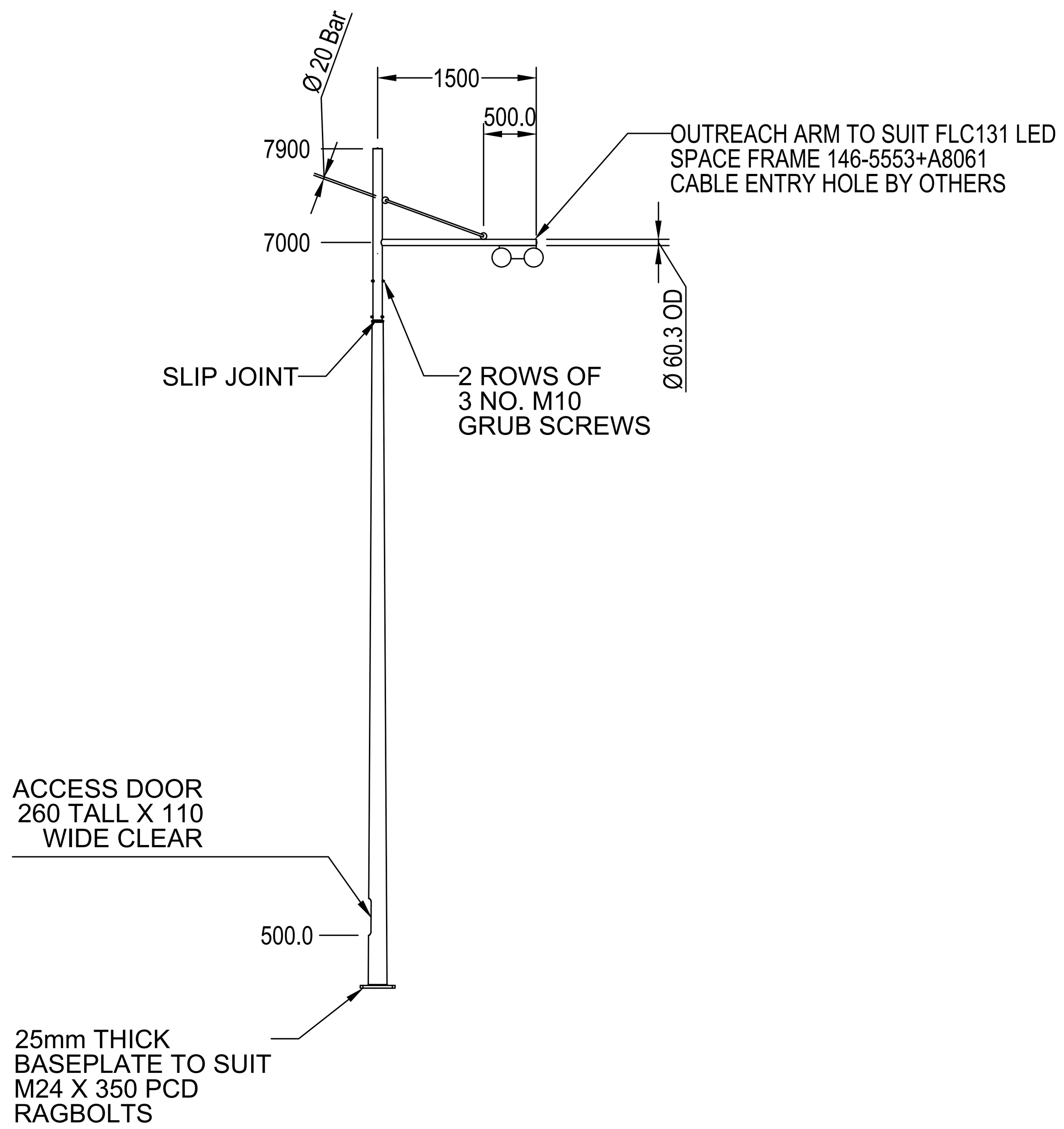
DRG No. S210-ACM-DRW-CIV-LT-0207 | EDMS No. | A

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0207.dwg S210-ACM-DRW-CIV-LT-0207

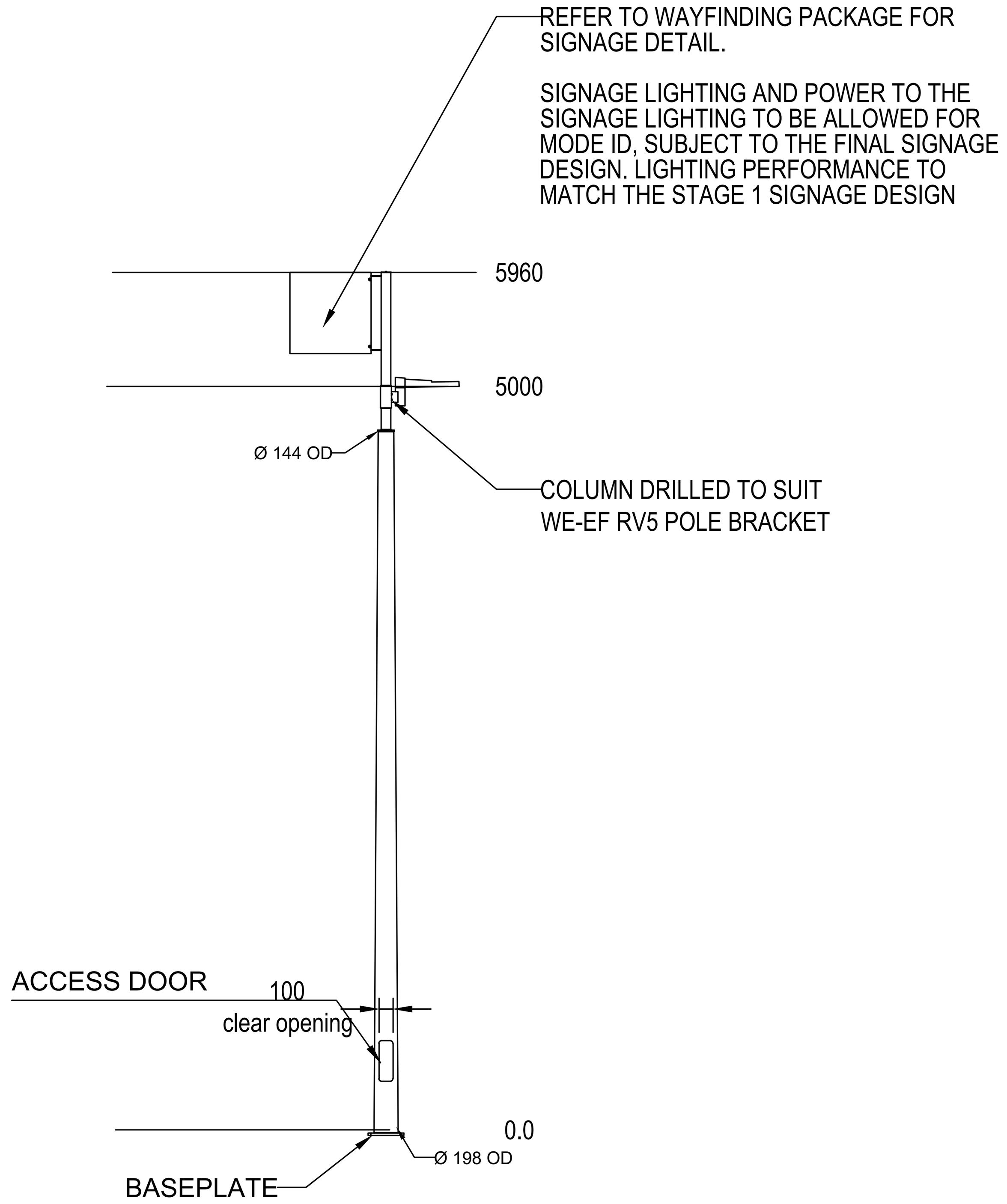
Plot Date & Time: 2/10/2023 9:02 AM

Plotted by GRIVASA



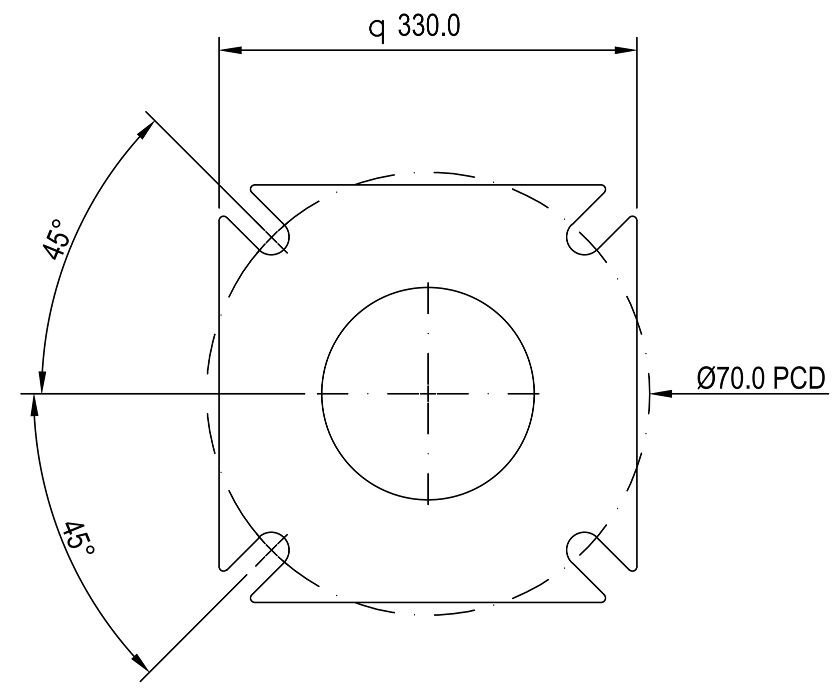
VP8, 7.9m POLE, LUMINAIRE AT 7m H AND 1.5m OUTREACH,

SCALE 1:50



STOPS POLE TYPE SL5

SCALE 1:50



BASE PLATE

SCALE 1:5

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm).
2. COLUMN DESIGN TO COMPLY WITH AS 1170 & AS 1798.
3. ALL WELDING TO COMPLY WITH AS 1554.
4. GALVANISING TO CONFORM TO AS/NZS 4680.
5. PAINT FINISH TO AS 3887 CATEGORY LONG TERM.
6. BASE PLATE AND FOUNDATION BOLT ASSEMBLIES SHALL BE FABRICATED TO THE REQUIREMENTS SPECIFIED BY THE COLUMN MANUFACTURER. INSTALLATION SHALL BE IN ACCORDANCE WITH COLUMN MANUFACTURER REQUIREMENTS.
7. REFER TO TRAFFIC ENGINEERING DRAWING ACTSD-3912 FOR TRAFFIC EQUIPMENT CLEARANCE REQUIREMENT.

NOT FOR CONSTRUCTION

SCALE 1:5 0.05 0 0.10 0.20 0.25 m
SCALE 1:10 0.1 0 0.1 0.2 0.3 0.4 0.5 m
SCALE 1:50 0.5 0 1 2 2.5 m
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
B	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

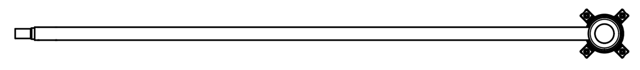
DRAWN J SINGH
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A
LIGHTING
FLOODLIGHT POLE

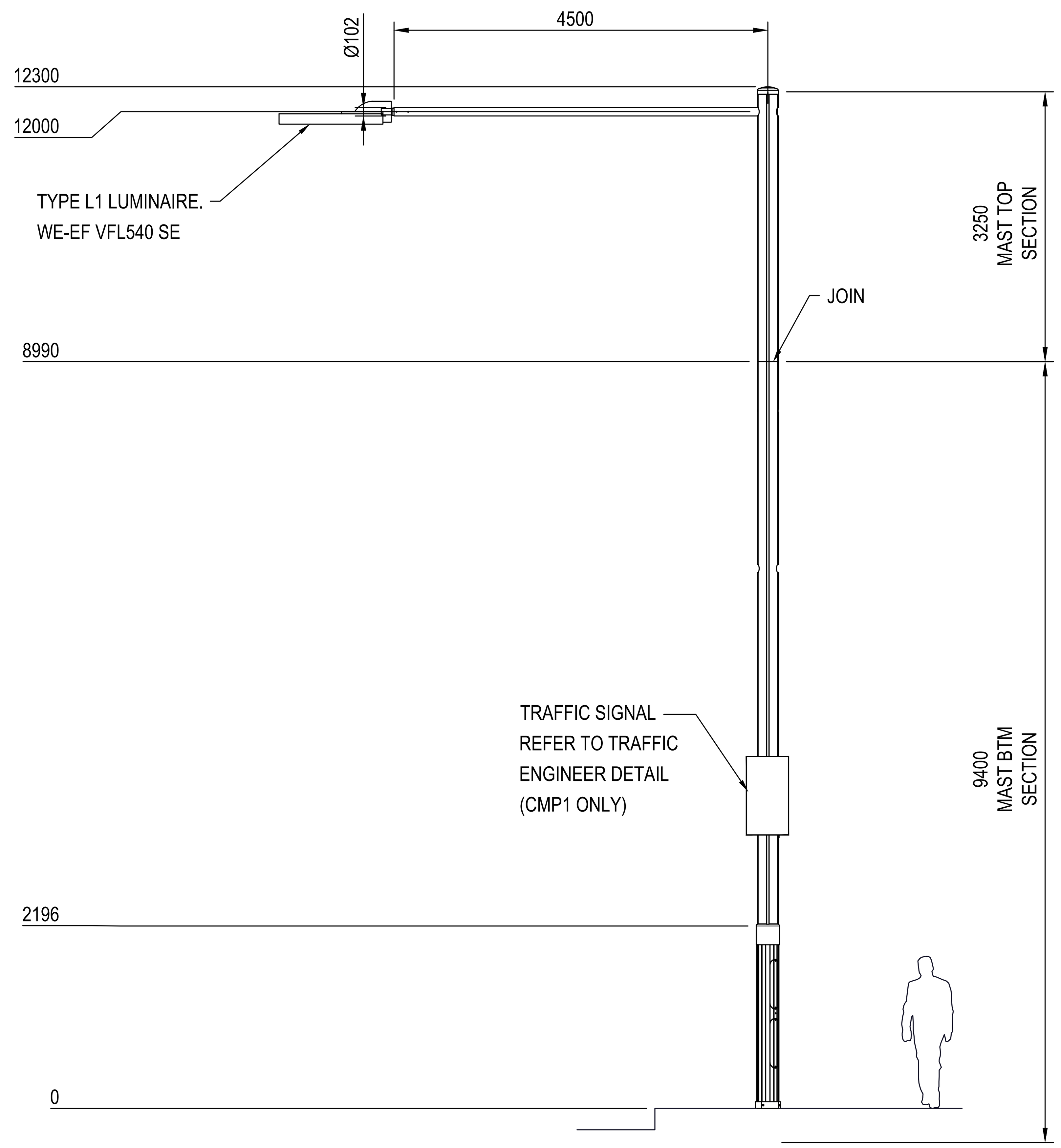
DESIGN LOT No: S210-STAGE 2A SHEET: 01 OF 01 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0208 EDMS No. B

DF 801*554

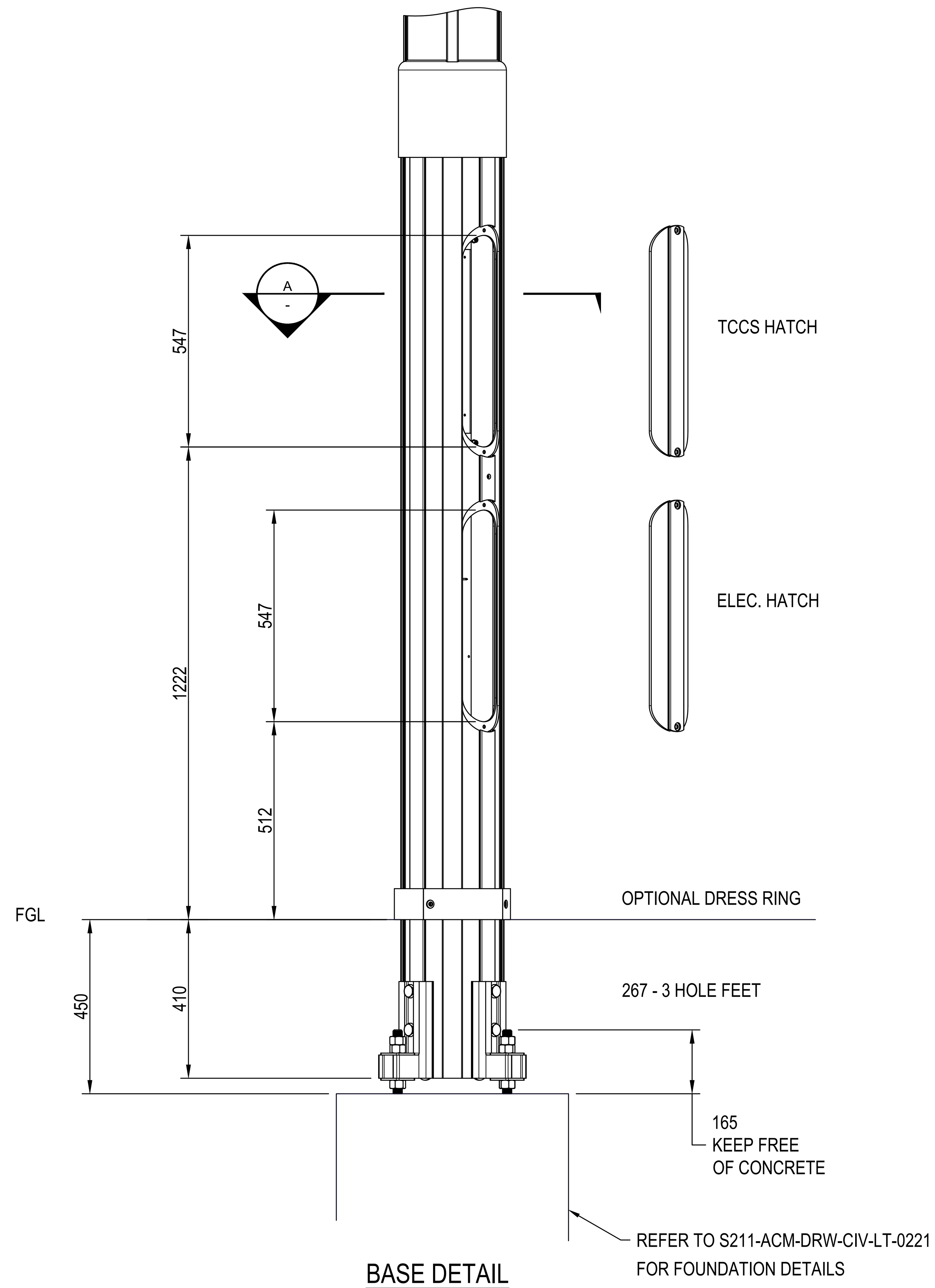
C:\pwworking\aecom_ds12_au\julian.singh@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0208.dwg
File Plotted S210-ACM-DRW-CIV-LT-0208
Plot Date & Time 2/15/2023 8:23 AM
Plotted by SINGHJ



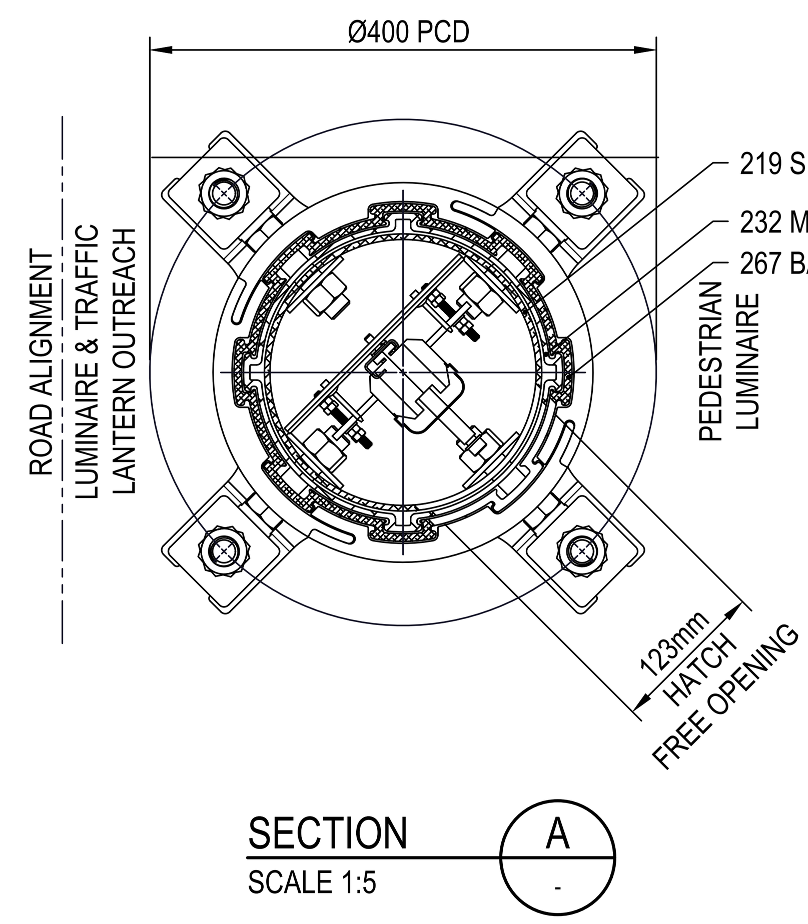
PLAN VIEW
SCALE 1:50



CMP1 & MP1, 12.3m POLE, LUMINAIRE L1 AT 12m H AND 4.5m OUTREACH,
COMBINED WITH TRAFFIC SIGNALS
SCALE 1:50



BASE DETAIL
SCALE 1:10



SECTION A
SCALE 1:5

NOTES:

1. PATENTED MULTIPOLE FOOTING SYSTEM FOOT EXTRUSIONS, 4 OFF ALUMINIUM 6060 T4 ANODISED 25 MICRONS 12 X M20 BOLTS GALVANISED WITH WASHER & NUT 8.8 GRADE STEEL, TIGHTEN TO 120 N.M.
2. FOUNDATION BOLTS M24 @ 400 PCD WITH 75X75X6 GALVANISED SQUARE WASHERS.
3. ALL POLES MANUFACTURED IN ACCORDANCE WITH RELEVANT STANDARDS.
4. ALL BURIED COMPONENTS MUST BE COATED WITH DUREBILD STE PAINT 150 MICRONS THICK.
5. IP 56 RATED ELECTRICAL ENCLOSURES TO BE USED FOR ELECTRICAL CONNECTIONS. WEATHERPROOF GPOS TO BE INSTALLED.
6. STAINLESS STEEL FIXINGS TO BE ISOLATED FROM ALUMINIUM COMPONENTS WITH BARIUM CHROMATE PASTE OR SIMILAR.
7. WEBBING SLINGS ONLY NO CHAINS TO BE USED WHEN LIFTING WITH A CRANE. FORKLIFT ONLY IN WOODEN PALLETS AT BALANCE POINT. AT NO STAGE ARE FORK TINES TO TOUCH POLES, PACKING OR SURFACES.
8. REFER TO TRAFFIC ENGINEERING DRAWING ACTSD-3912 FOR TRAFFIC EQUIPMENT CLEARANCE REQUIREMENT.

SCALE 1:5
SCALE 1:10
SCALE 1:50
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

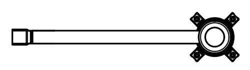
NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A
LIGHTING
COMBINED USE POLE

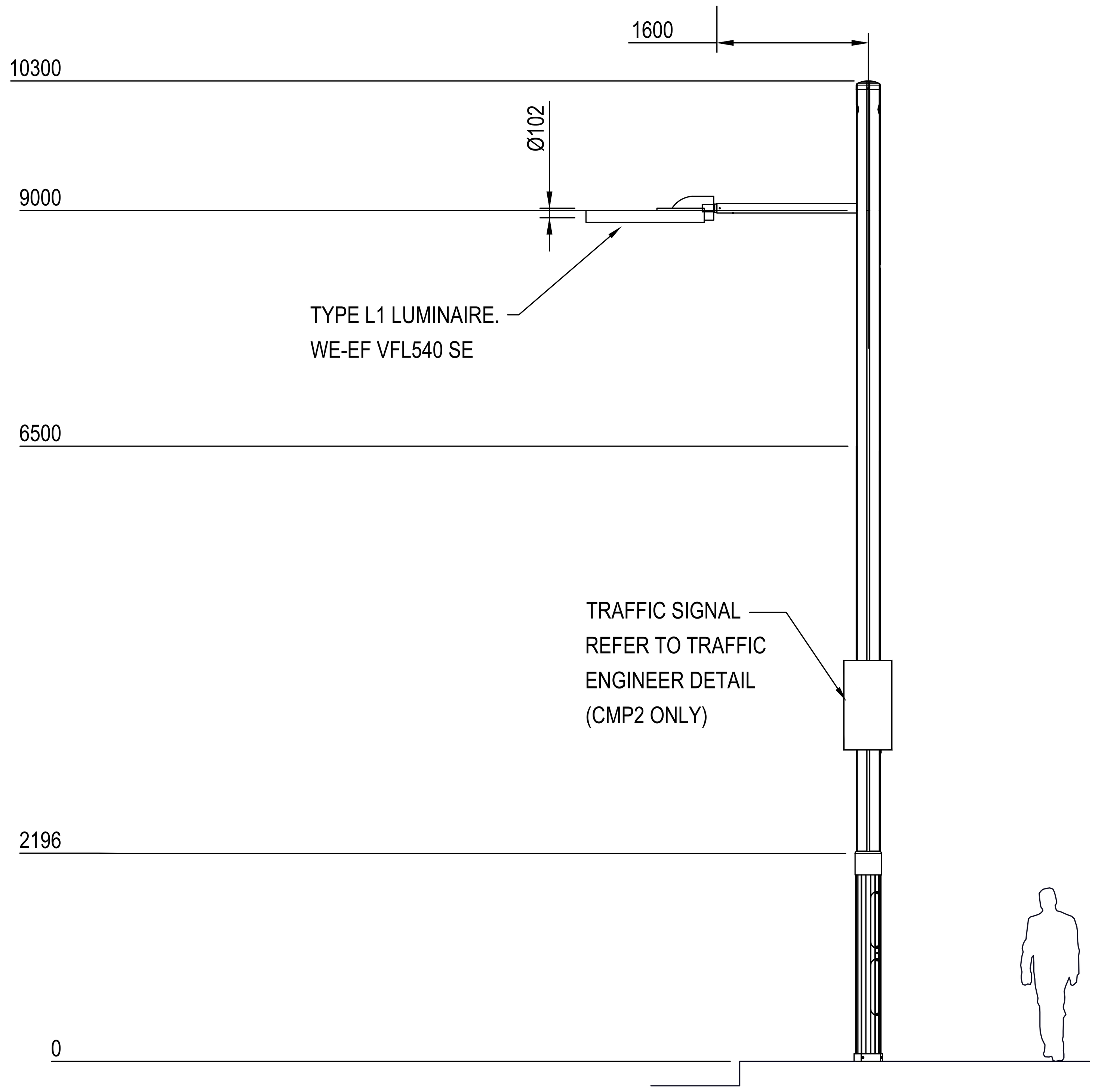
DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0210 | EDMS No. | E

DF 801*554

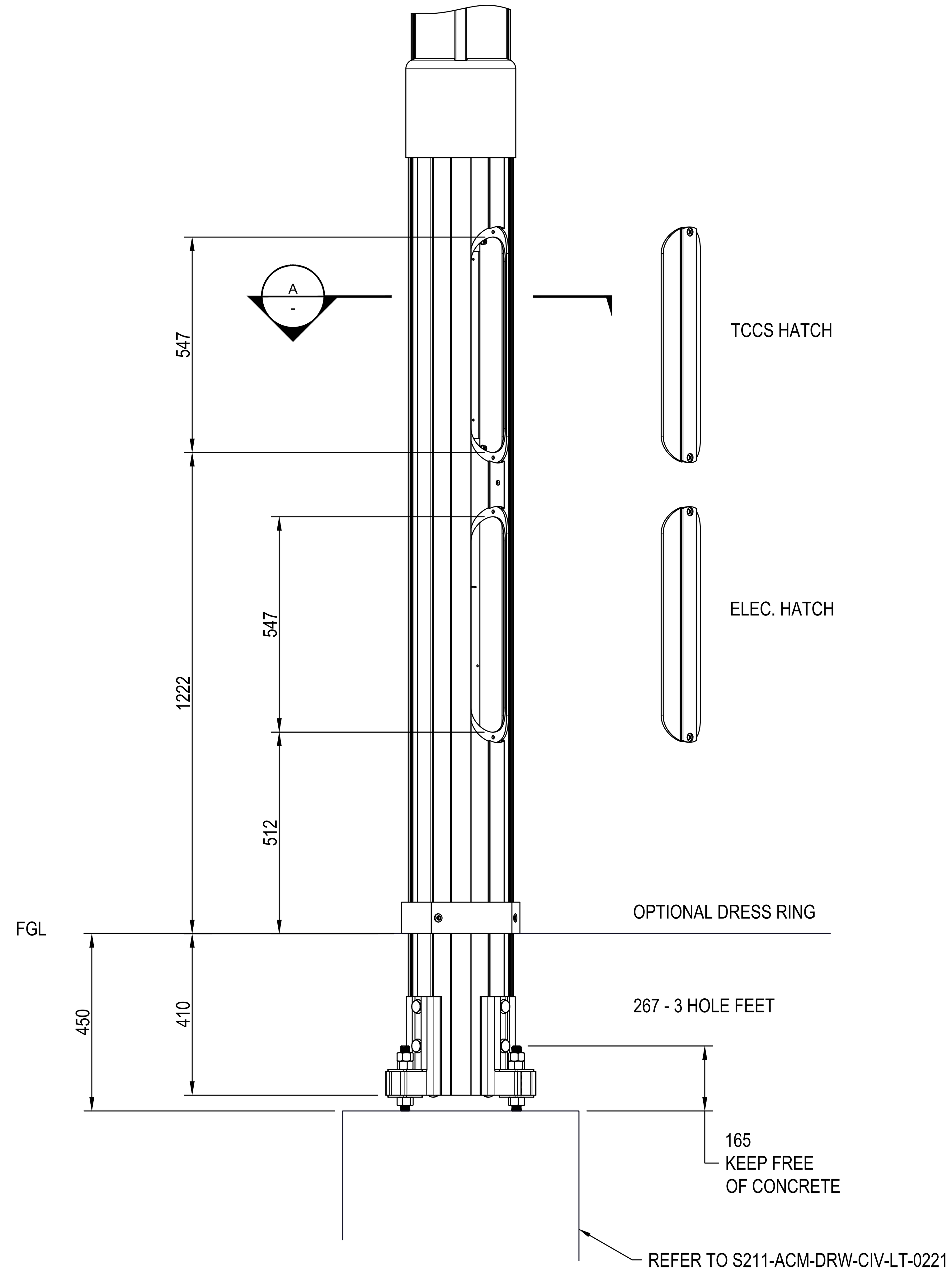
C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0210.dwg
File Plotted S210-ACM-DRW-CIV-LT-0210
Plot Date & Time 2/10/2023 9:03 AM
Plotted by GRIVASA



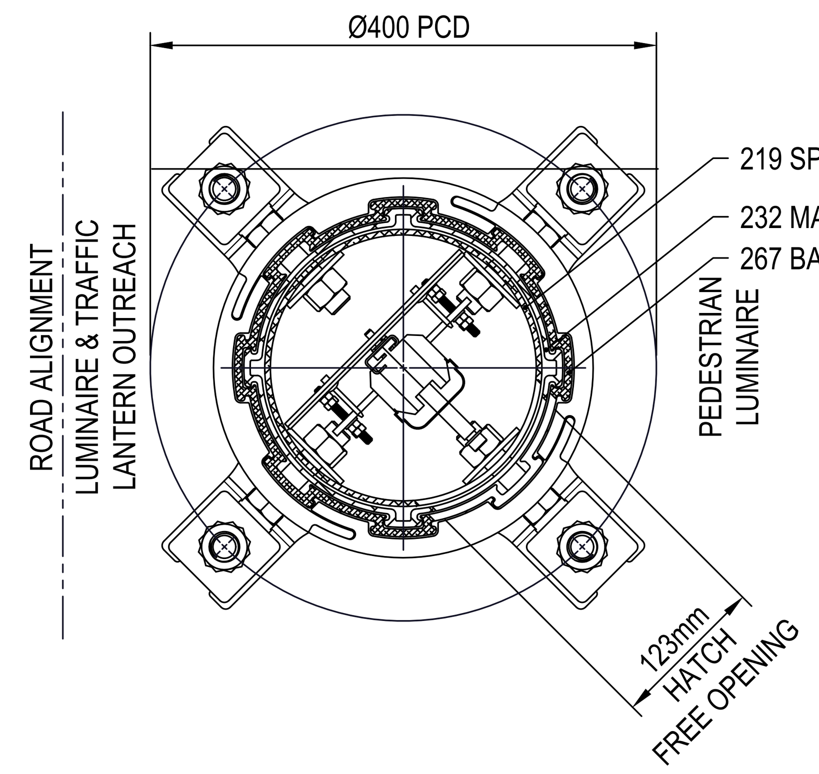
PLAN VIEW
SCALE 1:50



CMP2 & MP2, 10.3m POLE, LUMINAIRE L6 AT 9m H AND 1.5m OUTREACH, COMBINED WITH TRAFFIC SIGNALS
SCALE 1:50



BASE DETAIL
SCALE 1:10



SECTION A
SCALE 1:5

NOTES:

1. PATENTED MULTIPOLE FOOTING SYSTEM FOOT EXTRUSIONS, 4 OFF ALUMINIUM 6060 T4 ANODISED 25 MICRONS 12 X M20 BOLTS GALVANISED WITH WASHER & NUT 8.8 GRADE STEEL, TIGHTEN TO 120 N.M
2. FOUNDATION BOLTS M24 @ 400 PCD WITH 75X75X6 GALVANISED SQUARE WASHERS
3. ALL POLES MANUFACTURED IN ACCORDANCE WITH RELEVANT STANDARDS
4. POLE FOOTINGS TO BE ENGINEERED BY OTHERS TO SUIT LOCAL ENVIRONMENTAL AND GROUND CONDITIONS.
5. ALL BURIED COMPONENTS MUST BE COATED WITH DUREBILD STE PAINT 150 MICRONS THICK.
6. IP 56 RATED ELECTRICAL ENCLOSURES TO BE USED FOR ELECTRICAL CONNECTIONS. WEATHERPROOF GPOS TO BE INSTALLED.
7. STAINLESS STEEL FIXINGS TO BE ISOLATED FROM ALUMINIUM COMPONENTS WITH BARIUM CHROMATE PASTE OR SIMILAR.
8. WEBBING SLINGS ONLY NO CHAINS TO BE USED WHEN LIFTING WITH A CRANE. FORKLIFT ONLY IN WOODEN PALLETS AT BALANCE POINT. AT NO STAGE ARE FORK TINES TO TOUCH POLES, PACKING OR SURFACES.
9. REFER TO TRAFFIC ENGINEERING DRAWING ACTSD-3912 FOR TRAFFIC EQUIPMENT CLEARANCE REQUIREMENT.

SCALE 1:5
SCALE 1:10
SCALE 1:50
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN: J GRIFFEN
DESIGNED: C LEUNG
DRG CHECK: C LEUNG
DESIGN CHECK: G THEORODOUPOLAS
APPROVED: J PETERS

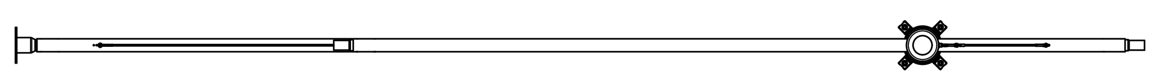
NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A
LIGHTING
COMBINED USE POLE TYPE 2

DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0211 | EDMS No. | A

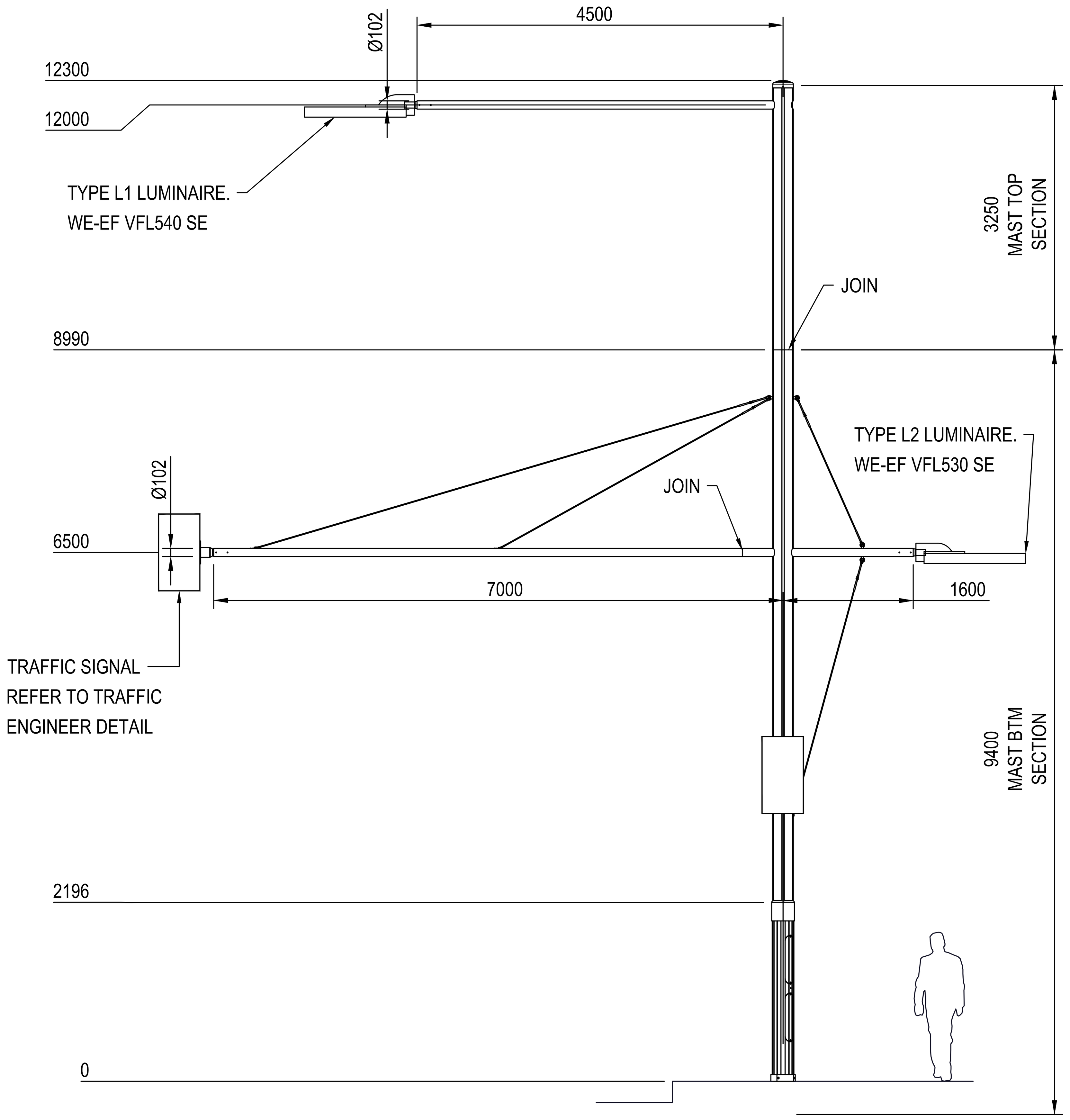
DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0211.dwg
File Plotted: S210-ACM-DRW-CIV-LT-0211
Plot Date & Time: 2/10/2023 9:03 AM
Plotted by GRIVASA



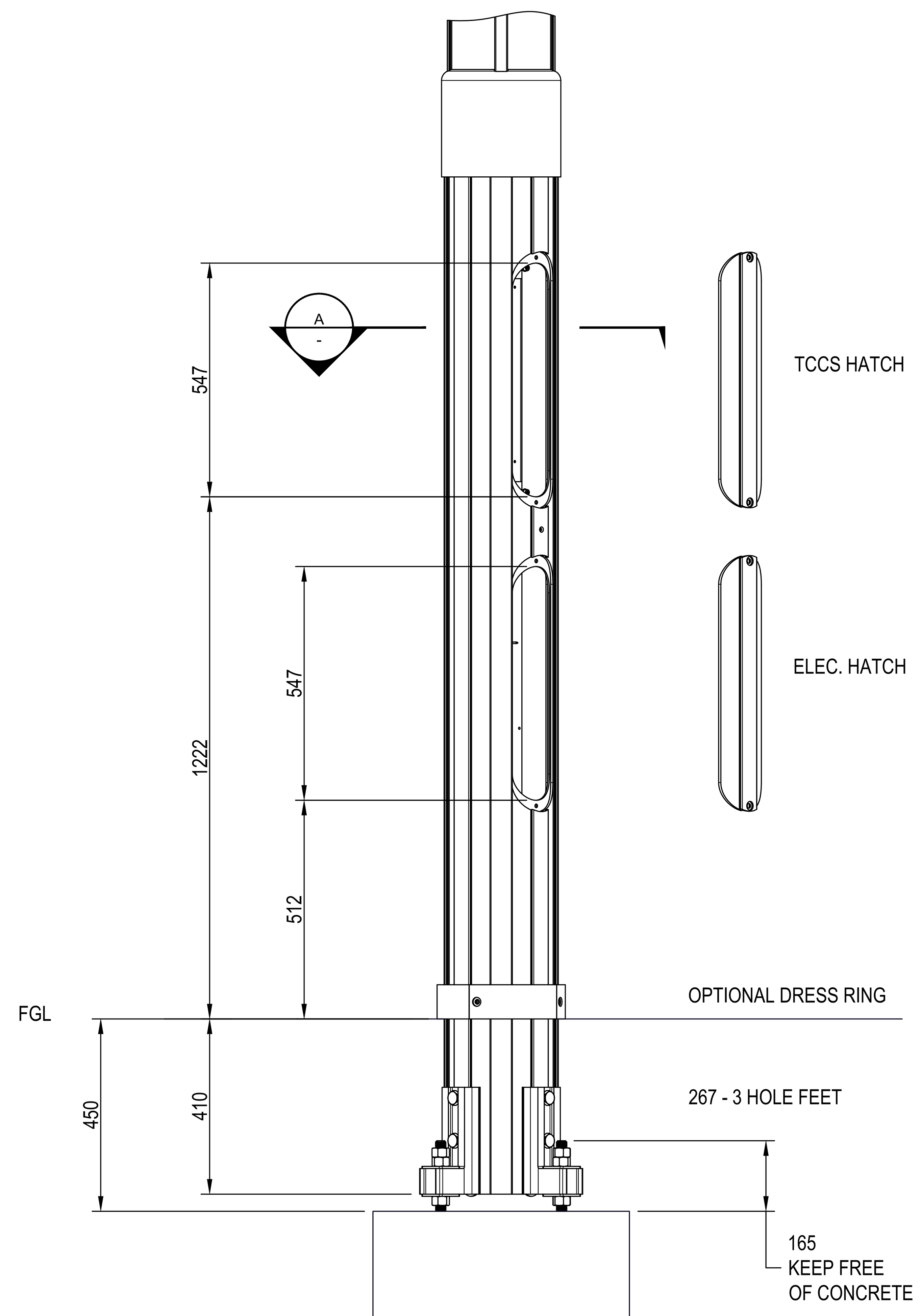
PLAN VIEW

SCALE 1:50



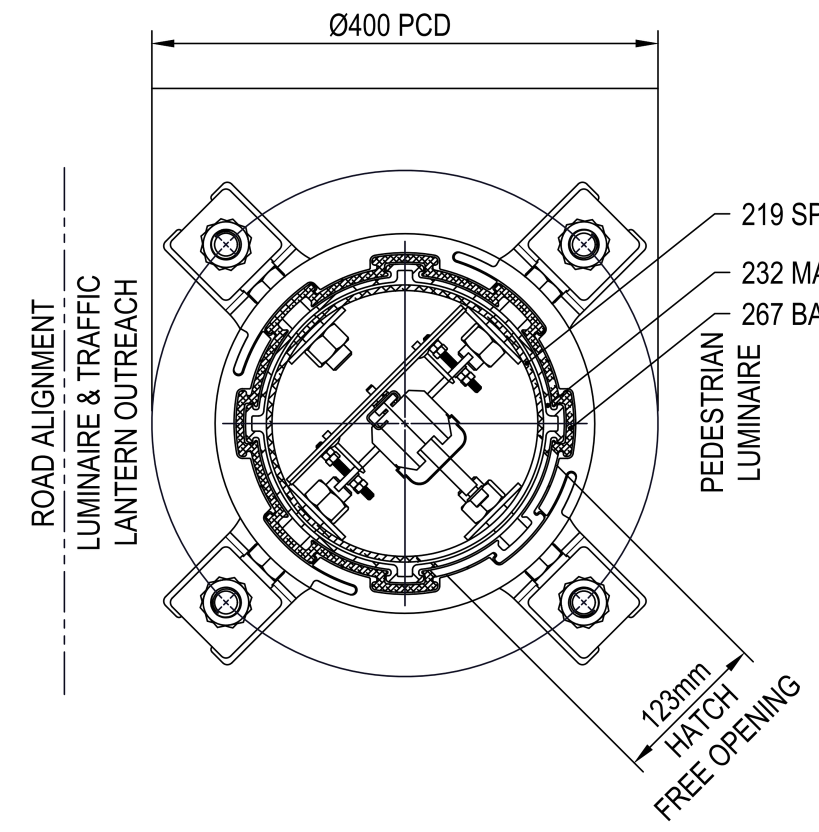
MMP, 12.3m POLE, LUMINAIRE L1 AT 12m H AND 4.5m OUTREACH, LUMINAIRE L2 AT 6.5m H AND 1.5m OUTREACH. TRAFFIC SIGNAL AT 6.5m H, OUTREACH LENGTH TBC BY TRAFFIC ENGINEER

SCALE 1:50



BASE DETAIL

SCALE 1:10



SECTION A

SCALE 1:5

NOTES:

1. PATENTED MULTIPOLE FOOTING SYSTEM FOOT EXTRUSIONS, 4 OFF ALUMINIUM 6060 T4 ANODISED 25 MICRONS 12 X M20 BOLTS GALVANISED WITH WASHER & NUT 8.8 GRADE STEEL, TIGHTEN TO 120 N.M
2. FOUNDATION BOLTS M24 @ 400 PCD WITH 75X75X6 GALVANISED SQUARE WASHERS
3. ALL POLES MANUFACTURED IN ACCORDANCE WITH RELEVANT STANDARDS
4. POLE FOOTINGS TO BE ENGINEERED BY OTHERS TO SUIT LOCAL ENVIRONMENTAL AND GROUND CONDITIONS.
5. ALL BURIED COMPONENTS MUST BE COATED WITH DUREBILD STE PAINT 150 MICRONS THICK.
6. IP 56 RATED ELECTRICAL ENCLOSURES TO BE USED FOR ELECTRICAL CONNECTIONS. WEATHERPROOF GPOS TO BE INSTALLED.
7. STAINLESS STEEL FIXINGS TO BE ISOLATED FROM ALUMINIUM COMPONENTS WITH BARIUM CHROMATE PASTE OR SIMILAR.
8. WEBBING SLINGS ONLY NO CHAINS TO BE USED WHEN LIFTING WITH A CRANE. FORKLIFT ONLY IN WOODEN PALLETS AT BALANCE POINT. AT NO STAGE ARE FORK TINES TO TOUCH POLES, PACKING OR SURFACES.
9. ALL EXISTING TRAFFIC SIGNAL HARDWARE INCLUDING VEHICLE LANTERNS, PEDESTRIAN LANTERN AND PEDESTRIAN PUSH BUTTON WILL BE REUSED AND MOUNTED ON THE PROPOSED COMBINED USE POLE.

SCALE 1:5 0.05 0 0.10 0.20 0.25 m

SCALE 1:10 0.1 0 0.1 0.2 0.3 0.4 0.5 m

SCALE 1:50 0.5 0 1 2 2.5 m

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN J SINGH
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

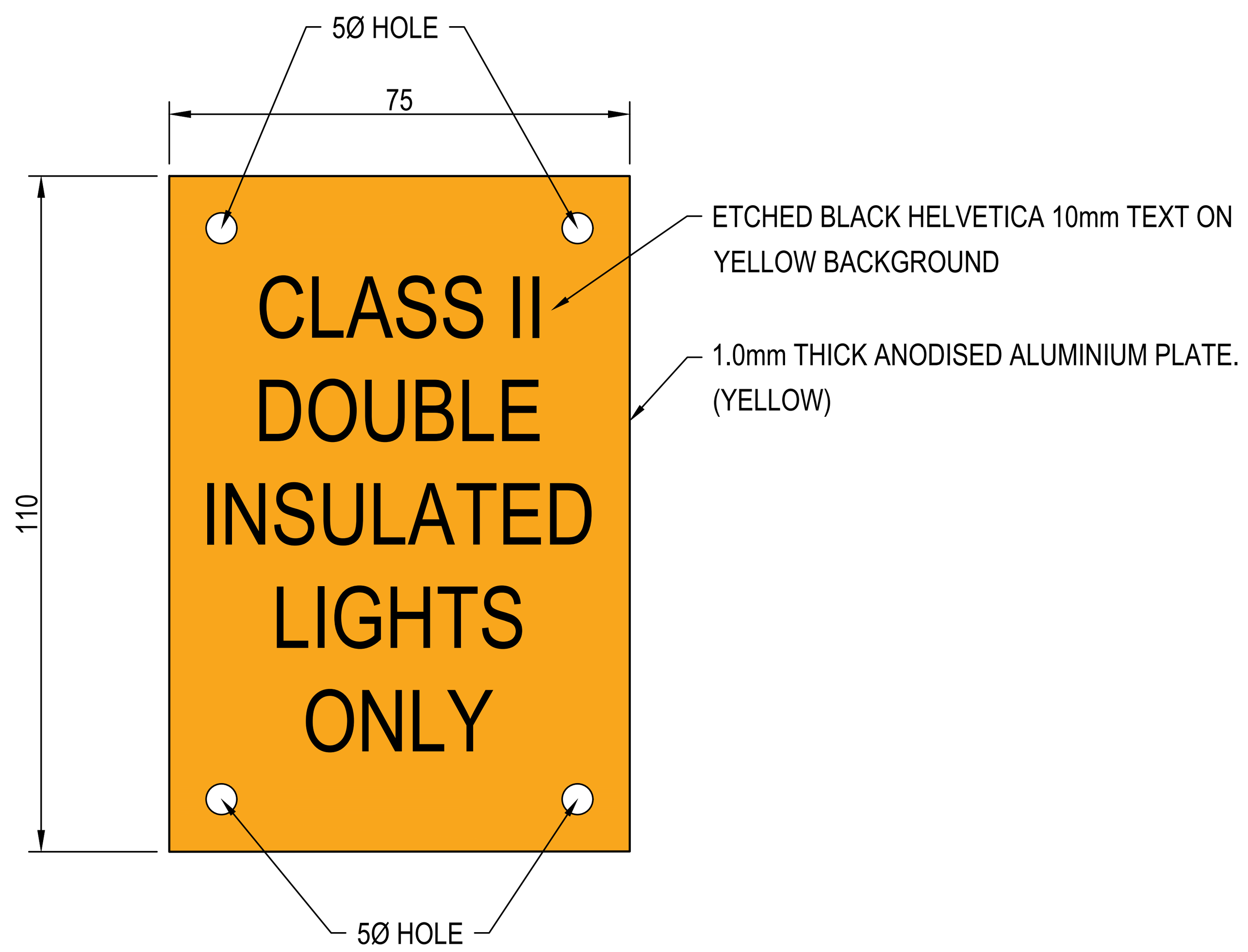
CANBERRA LIGHT RAIL 2A

LIGHTING
MULTIPOLE

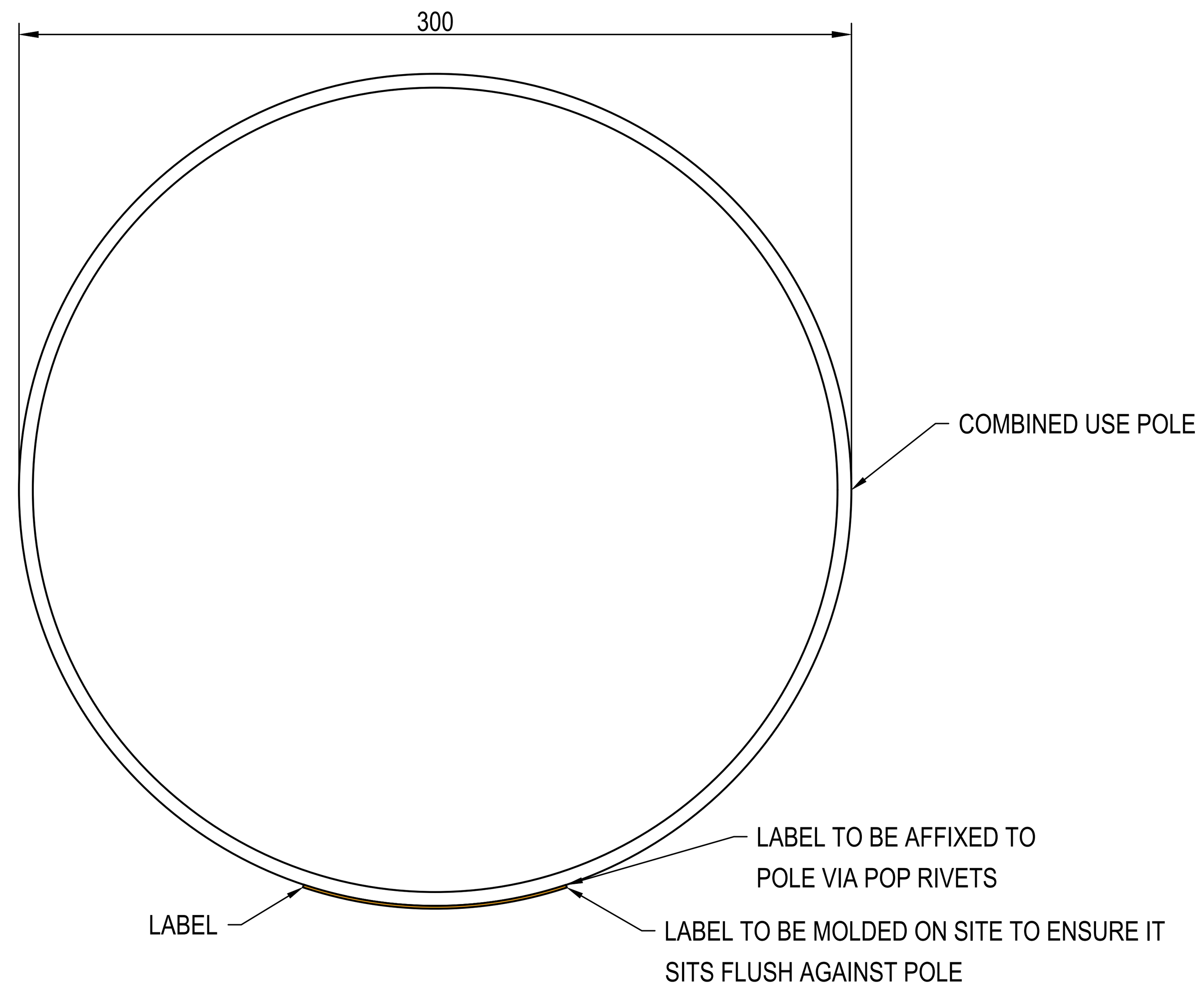
DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0212 | EDMS No. | A

DF 801*554

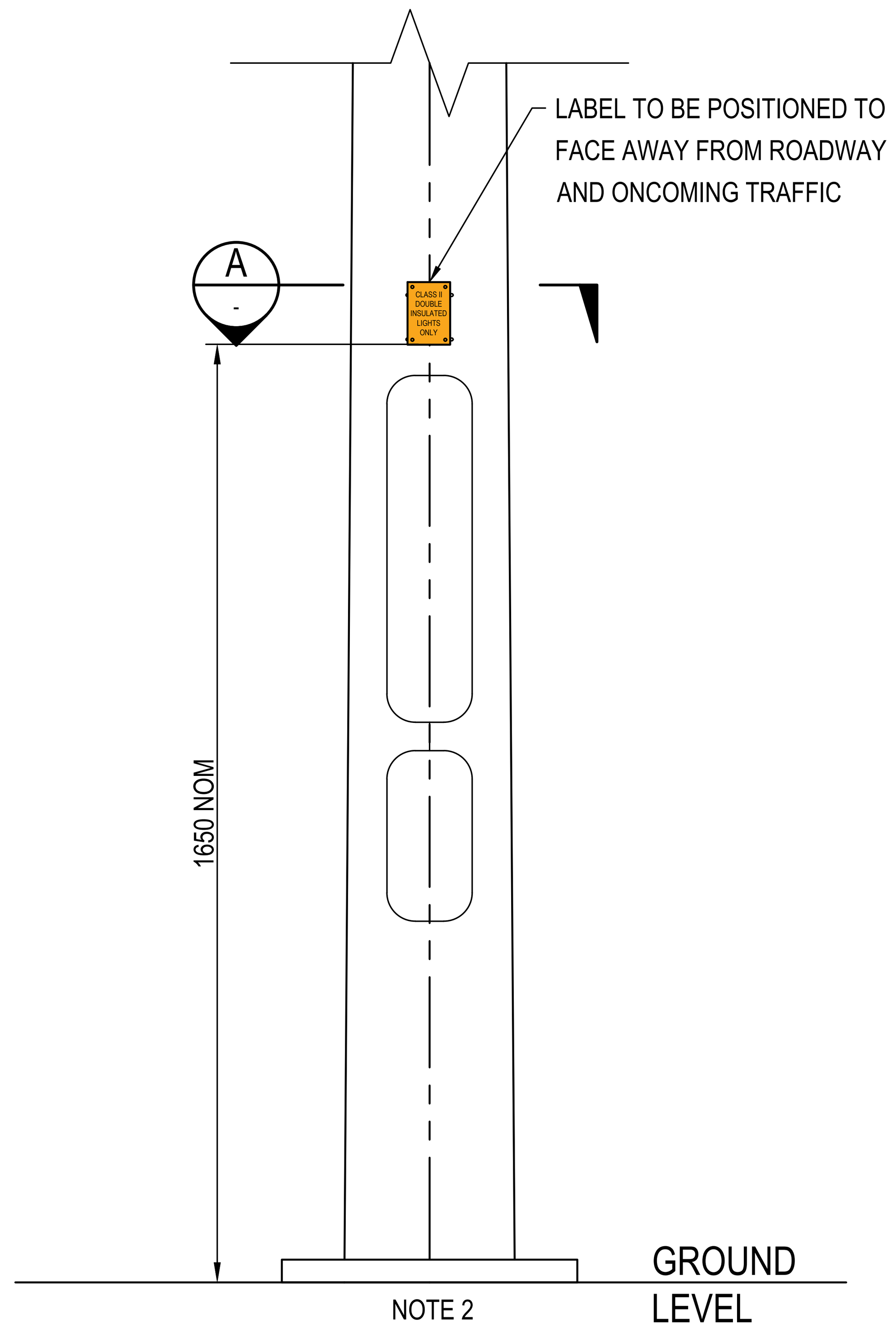
File Plotted: S210-ACM-DRW-CIV-LT-0212
C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0212.dwg
Plot Date & Time: 2/10/2023 9:03 AM
Plotted by GRIVASA



LABEL FOR LIGHTING POLES WITH DOUBLE INSULATED FITTINGS (COMBINED USE POLES)
NOTE 1



SECTION A -
SCALE 1:2



TYPICAL COMBINED USE POLE
SCALE 1:10

NOTES:

1. LABEL TO BE ATTACHED TO ALL COMBINED USE POLES AS THEY ARE FITTED WITH DOUBLE INSULATED CLASS II LUMINAIRES.
2. REFER TO DRAWING S211-ACM-DRW-CIV-LT-0221 FOR FOOTING DETAILS.

SCALE 1:2 0.2 0 .02 .04 .06 .08 0.1 m
SCALE 1:10 0.1 0 0.1 0.2 0.3 0.4 0.5 m
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN	J GRIFFEN
DESIGNED	C LEUNG
DRG CHECK	C LEUNG
DESIGN CHECK	G THEORODOUPOLAS
APPROVED	J PETERS

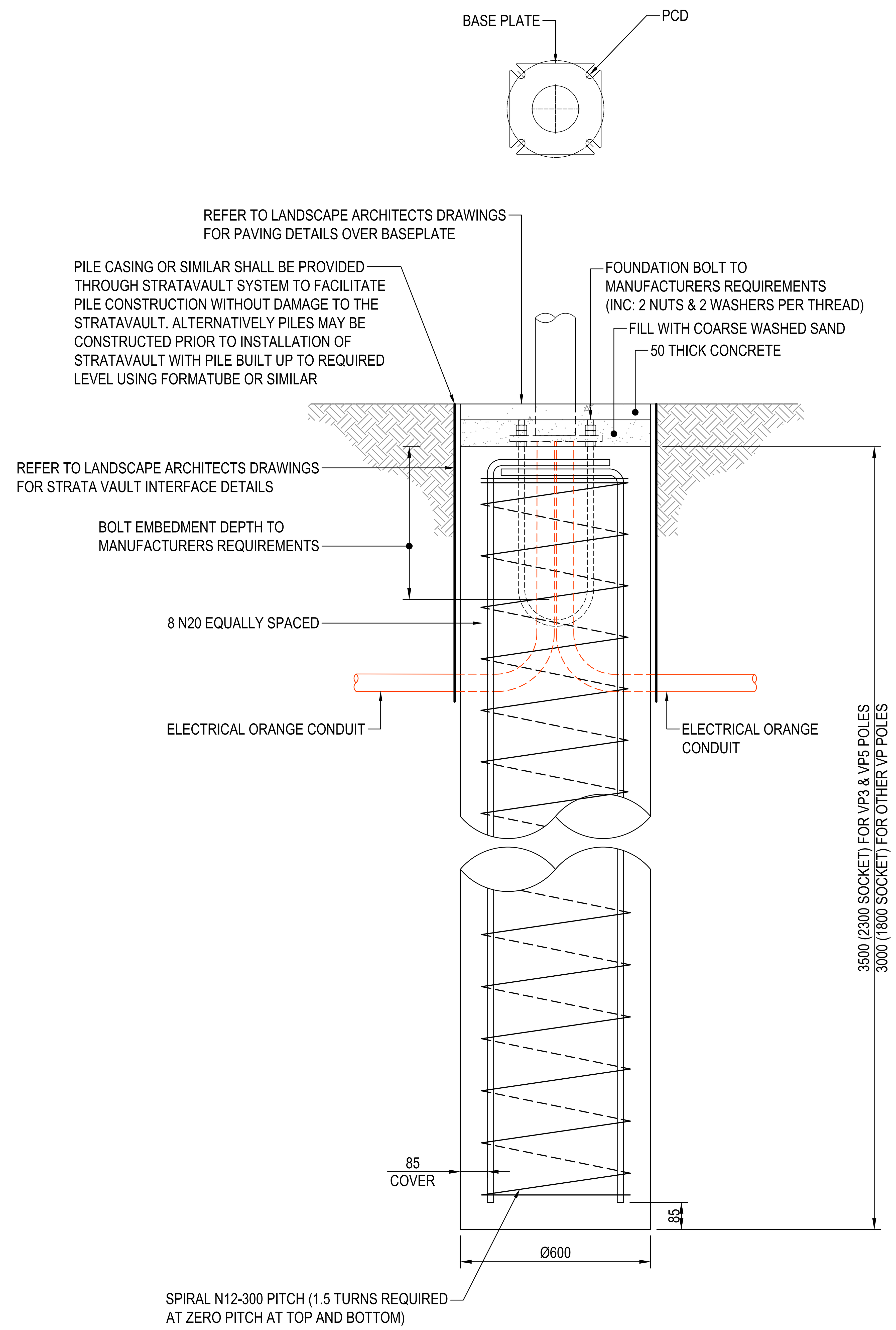
NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A
LIGHTING
TYPICAL DETAILS

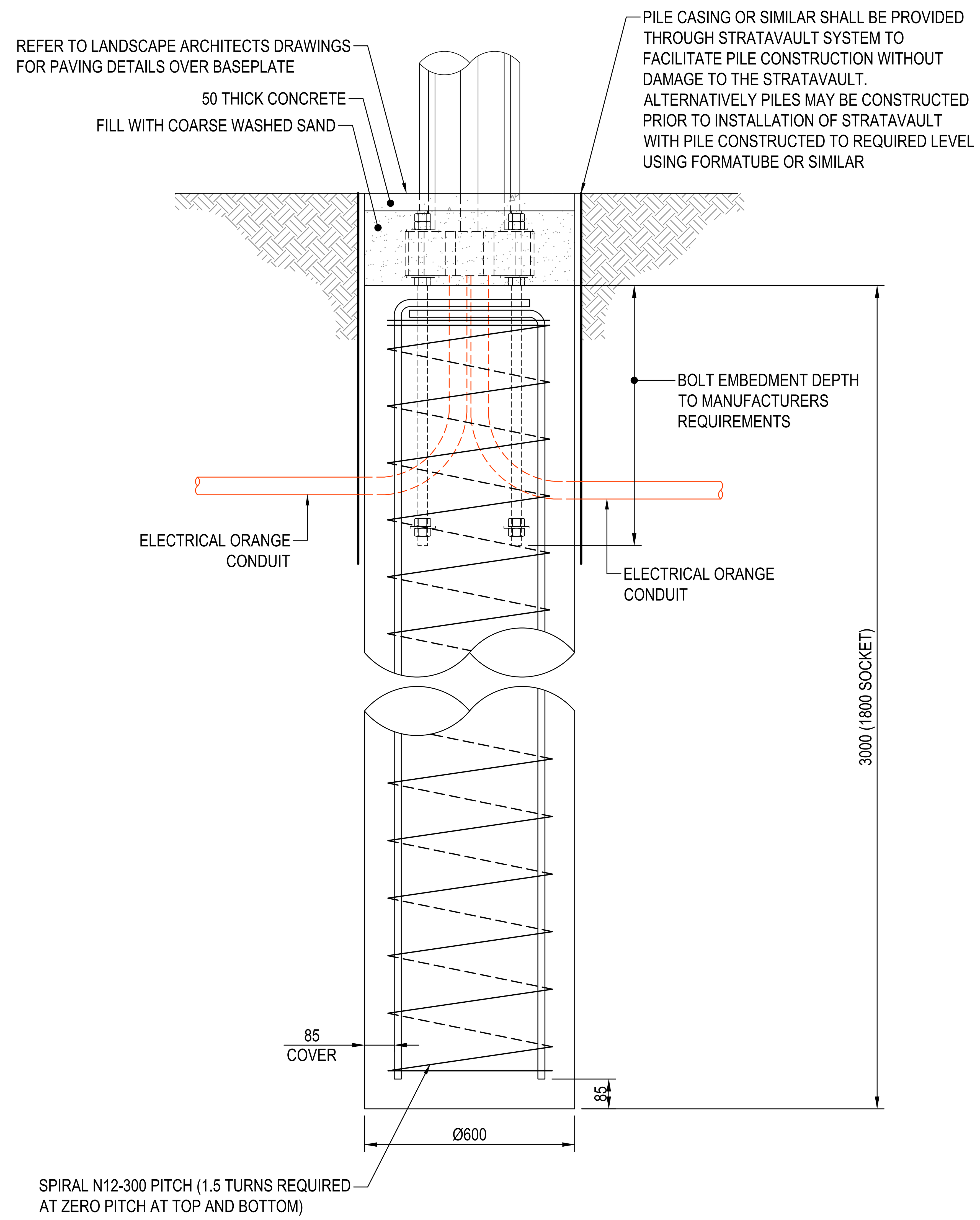
DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0215 | EDMS No. | E

DF 801*554

File Plotted: S210-ACM-DRW-CIV-LT-0215 C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0215.dwg
Plot Date & Time: 2/10/2023 9:04 AM
Plotted by GRIVASA



TYPICAL FOOTING DETAIL
FOR TYPE VP1, VP2, VP3,VP5, VP6, VP7, VP8 & VP9 POLES
NOT TO SCALE



TYPICAL FOOTING DETAIL
FOR TYPE CMP AND MMP POLES
NOT TO SCALE

TOP OF PILE DESIGN ACTIONS SHALL BE CONFIRMED BY POLE MANUFACTURER

3000mm PILE
ULTIMATE AXIAL COMPRESSION - 5kN
ULTIMATE BASE MOMENT - 44kNm
ULTIMATE BASE SHEAR - 6kN

3500mm PILE
ULTIMATE AXIAL COMPRESSION - 5kN
ULTIMATE BASE MOMENT - 52kNm
ULTIMATE BASE SHEAR - 6kN

THE TARGET SOIL STRENGTH FOR THE FOUNDATION MATERIALS ASSUMES SOCKET MATERIAL UNDRAINED SHEAR STRENGTH, Su = 75kPa (STIFF TO VERY STIFF CLAY)

PILES SHALL MEET BOTH MINIMUM PILE LENGTH AND MINIMUM SOCKET CRITERIA (MATERIAL AND LENGTH)

DESIGN REQUIREMENTS:

1. THE DESIGN WIND LOAD CRITERIA FOR ALL STRUCTURAL ELEMENTS OF THE PILE ARE IN ACCORDANCE WITH AS 1170.2 - WIND ACTIONS AND AS 5100.2 AND ARE AS BELOW:
   * AVERAGE RECURRENCE INTERVAL: R = 2000 YEARS (ULS)
   * AVERAGE RECURRENCE INTERVAL: R = 25 YEARS (SLS)
   * WIND REGION = A3 - CANBERRA
   * ULTIMATE WIND SPEED: V/2000 = 48m/s
   * SERVICEABILITY WIND SPEED: V/25 = 37m/s
   * WIND DIRECTION MULTIPLIER: Md = 1.0
   * TERRAIN CATEGORY: 3
   * TERRAIN/HEIGHT MULTIPLIER Mzcat IN ACCORDANCE WITH AS 1170.2
   * SHEILDING MULTIPLIER: Ms = 1.0
   * TOPOGRAPHIC MULTIPLIER: Mt = 1.0
   * DRAG COEFFICIENT: Cd = 1.4 (VP1 - VP9)
   * DRAG COEFFICIENT: Cd = 1.0 (CMP & MMP)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm).
2. COLUMN DESIGN TO COMPLY WITH AS 1170 & AS 1798.
3. ALL WELDING TO COMPLY WITH AS 1554.
4. GALVANISING TO CONFORM TO AS/NZS 4680.
5. PAINT FINISH TO URBAN DESIGNERS SPECIFICATION.
6. BASE PLATE AND FOUNDATION BOLT ASSEMBLIES SHALL BE FABRICATED TO THE REQUIREMENTS SPECIFIED BY THE COLUMN MANUFACTURER. INSTALLATION SHALL BE IN ACCORDANCE WITH COLUMN MANUFACTURER REQUIREMENTS.
7. EXPOSURE CLASSIFICATION FOR THE PILE FOUNDATION IS MODERATE IN ACCORDANCE WITH AS 2159. THIS SHALL BE CONFIRMED ON SITE.
8. PILE FOUNDATION CONCRETE GRADE SHALL BE N40.
9. FYNTRIM MULTIPOLES ARE TO BE BASE PLATE MOUNTED.
10. CONCRETE PILE WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH PROJECT SPECIFICATION B59 AND B80.
11. FOR REINFORCEMENT NOTES REFER DRAWING S211-ACM-DRW-CIV-LT-0222.
12. FOR THE COMBINED SERVICES POLES, THERE WILL BE ADDITIONAL SERVICES CONDUITS AT THE BASE OF THE POLE (TRAFFIC SIGNALS, WIFI AND OR CCTV). REFER TO PACKAGE 25 FOR FURTHER DETAILS.
13. GEOTECHNICAL DESIGN PARAMETERS SHALL BE CONFIRMED ON SITE BY SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.
14. DETAIL INDICATIVE AND FOR REFERENCE ONLY. FINAL DESIGN AND DETAIL BY OTHERS

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
F	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
E	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

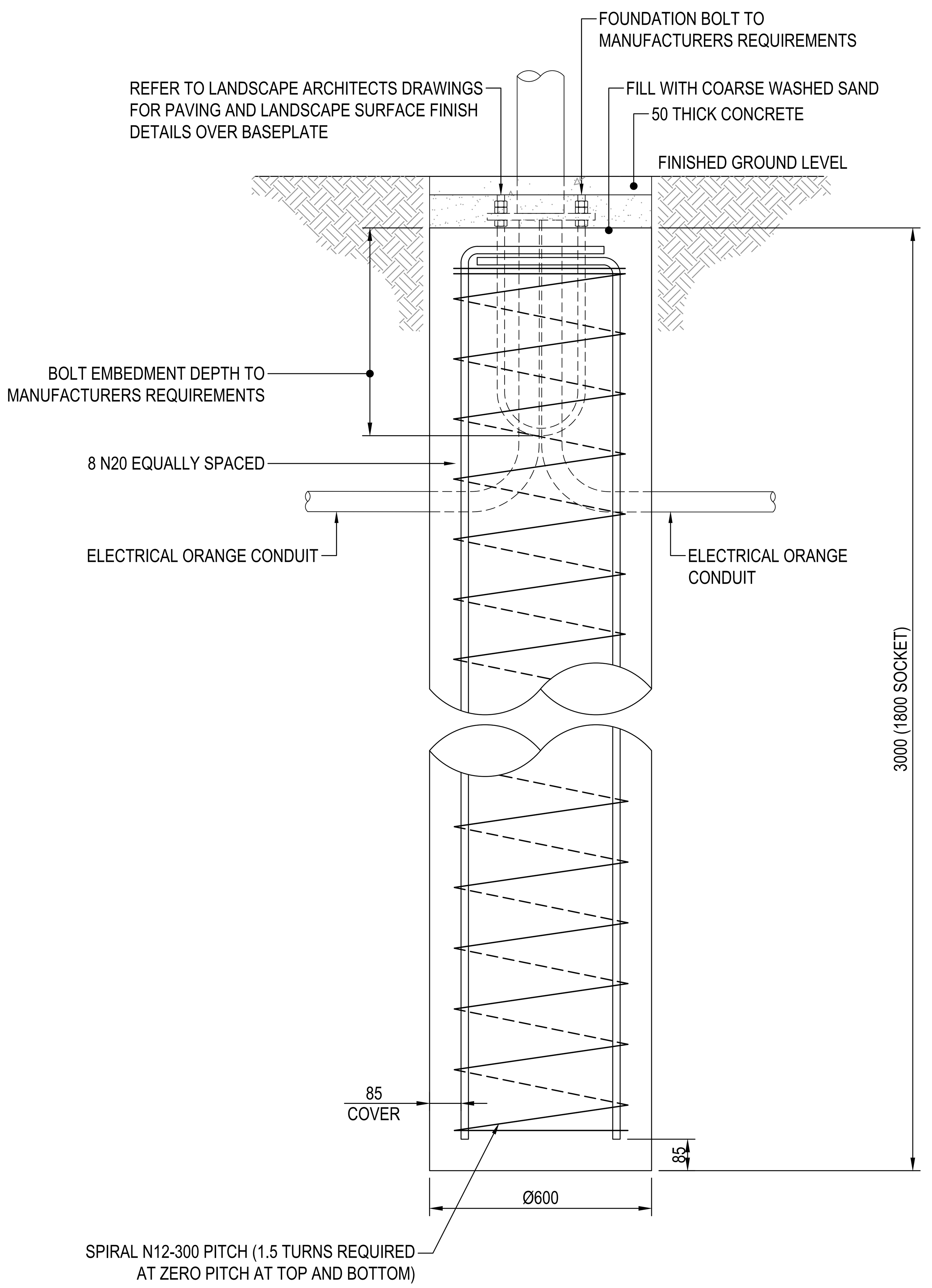
DRAWN J GRIFFEN
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A
LIGHTING
FOOTING DETAILS WITHIN STRATVAULT

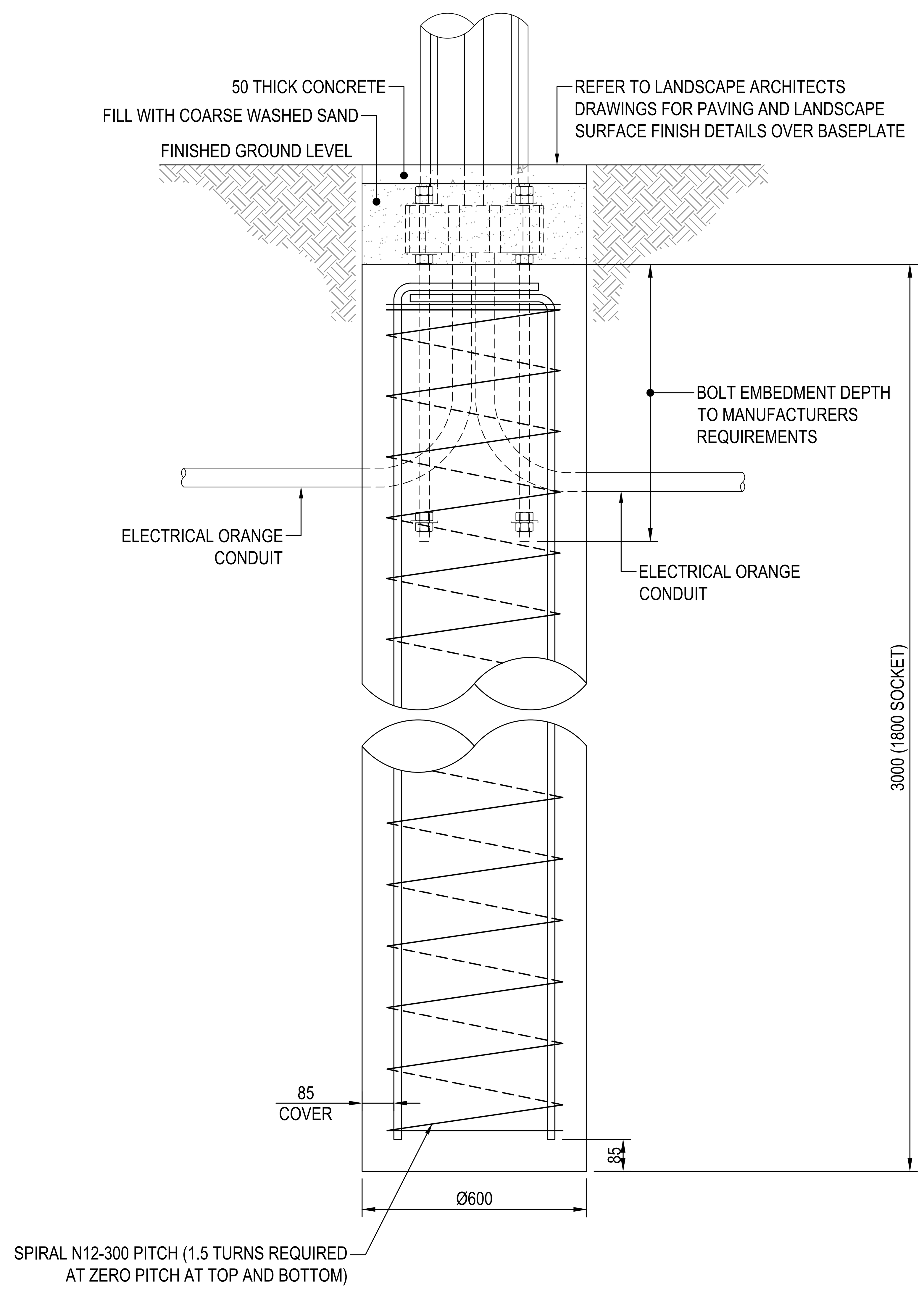
DESIGN LOT No: S210-STAGE 2A SHEET: 01 OF 01 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0221 EDMS No. F

DF 801*554

C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0221.dwg
File Plotted S210-ACM-DRW-CIV-LT-0221
Plot Date & Time 2/10/2023 9:04 AM
Plotted by GRIVASA



TYPICAL FOOTING DETAIL
FOR TYPE VP1, VP2, VP3, VP4, VP5, VP6, VP7,
VP8, VP9, VP10, VP11, VP12 & VP13 POLES
NOT TO SCALE



TYPICAL FOOTING DETAIL
FOR TYPE MMP
NOT TO SCALE

TOP OF PILE DESIGN ACTIONS SHALL BE CONFIRMED BY POLE MANUFACTURER

3000mm PILE
ULTIMATE AXIAL COMPRESSION - 5kN
ULTIMATE BASE MOMENT - 52kNm
ULTIMATE BASE SHEAR - 6kN

THE TARGET SOIL STRENGTH FOR THE FOUNDATION MATERIALS ASSUMES SOCKET MATERIAL UNDRAINED SHEAR STRENGTH, Su = 75kPa (STIFF TO VERY STIFF CLAY)

DESIGN REQUIREMENTS:

1. THE DESIGN WIND LOAD CRITERIA FOR ALL STRUCTURAL ELEMENTS OF THE PILE ARE IN ACCORDANCE WITH AS 1170.2 - WIND ACTIONS AND AS 5100.2 AND ARE AS BELOW:
   * AVERAGE RECURRENCE INTERVAL: R = 2000 YEARS (ULS)
   * AVERAGE RECURRENCE INTERVAL: R = 25 YEARS (SLS)
   * WIND REGION = A3 - CANBERRA
   * ULTIMATE WIND SPEED: V/2000 = 48m/s
   * SERVICEABILITY WIND SPEED: V/25 = 37m/s
   * WIND DIRECTION MULTIPLIER: Md = 1.0
   * TERRAIN CATEGORY: 3
   * TERRAIN/HEIGHT MULTIPLIER Mzcat IN ACCORDANCE WITH AS 1170.2
   * SHEILDING MULTIPLIER: Ms = 1.0
   * TOPOGRAPHIC MULTIPLIER: Mt = 1.0
   * DRAG COEFFICIENT: Cd = 1.4 (VP1 - VP7)
   * DRAG COEFFICIENT: Cd = 1.0 (MMP)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm).
2. COLUMN DESIGN TO COMPLY WITH AS 1170 & AS 1798.
3. ALL WELDING TO COMPLY WITH AS 1554.
4. GALVANISING TO CONFORM TO AS/NZS 4680.
5. PAINT FINISH TO URBAN DESIGNERS SPECIFICATION.
6. BASE PLATE AND FOUNDATION BOLT ASSEMBLIES SHALL BE FABRICATED TO THE REQUIREMENTS SPECIFIED BY THE COLUMN MANUFACTURER. INSTALLATION SHALL BE IN ACCORDANCE WITH COLUMN MANUFACTURER REQUIREMENTS.
7. EXPOSURE CLASSIFICATION FOR THE PILE FOUNDATION IS MODERATE IN ACCORDANCE WITH AS 2159. THIS SHALL BE CONFIRMED ON SITE.
8. PILE FOUNDATION CONCRETE GRADE SHALL BE N40.
9. FYNTRIM MULTIPOLES ARE TO BE BASE PLATE MOUNTED.
10. CONCRETE PILE WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH PROJECT SPECIFICATION B59 AND B80.
11. FOR REINFORCEMENT NOTES REFER DRAWING S211-ACM-DRW-CIV-LT-0222.
12. FOR THE COMBINED SERVICES POLES, THERE WILL BE ADDITIONAL SERVICES CONDUITS AT THE BASE OF THE POLE (TRAFFIC SIGNALS, WIFI AND OR CCTV). REFER TO PACKAGE 25 FOR FURTHER DETAILS.
13. GEOTECHNICAL DESIGN PARAMETERS SHALL BE CONFIRMED ON SITE BY SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.

REINFORCEMENT:

1. NOMINAL COVER OF REINFORCEMENT TO NEAREST CONCRETE SURFACE SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

   CAST AGAINST GROUND 85mm
   CAST AGAINST BLINDING 60mm
   ALL OTHER SURFACES 50mm
2. UNLESS SPECIFIED OTHERWISE THE MINIMUM LENGTH OF LAPS SHALL BE AS FOLLOWS:

BAR SIZE:	N12	N16	N20	N24	N28	N32	N36	N40
HORIZONTAL BARS WITH > 300mm OF CONCRETE CAST BELOW THE BAR	500	700	1000	1300	1650	2000	2400	2800
OTHER BARS	350	550	750	1000	1250	1550	1850	2150

3. WHERE BUNDLED BARS ARE TO BE LAPPED THE LAP LENGTH SHALL BE THAT OF THE LARGEST BAR INCREASED BY A MULTIPLE FACTOR OF 1.2 FOR A 3-BAR BUNDLE AND 1.33 FOR A 4-BAR BUNDLE.
4. LAPS SHALL BE STAGGERED UNLESS SPECIFIED OTHERWISE SUCH THAT NO MORE THAN 50% OF BARS ARE LAPPED IN ANY ONE CROSS SECTION.
5. REINFORCEMENT MAY BE DISPLACED SLIGHTLY WHERE NECESSARY TO ACCOMMODATE DETAILS AND MAINTAIN COVER.
6. THE GRADE OF REINFORCEMENT SHALL BE D500N TO AS/NZS 4671 UNLESS NOTED OTHERWISE. BAR SIZE IS THE NOMINAL DIAMETER IN MILLIMETRES OR THE AN/NZS 4761 FABRIC NUMBER.
7. REINFORCEMENT BENDS AND HOOKS SHALL BE IN ACCORDANCE WITH SECTION 13 OF AS5100.5.
8. REINFORCEMENT SHALL BE SUSTAINABLY SOURCED STEEL CERTIFIED BY THE ACRS SUSTAINABLE CONSTRUCTION STEEL CERTIFICATION SCHEME.
9. DETAIL INDICATIVE AND FOR REFERENCE ONLY. FINAL DESIGN AND DETAIL BY OTHERS

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

ACT Government
Major Projects Canberra

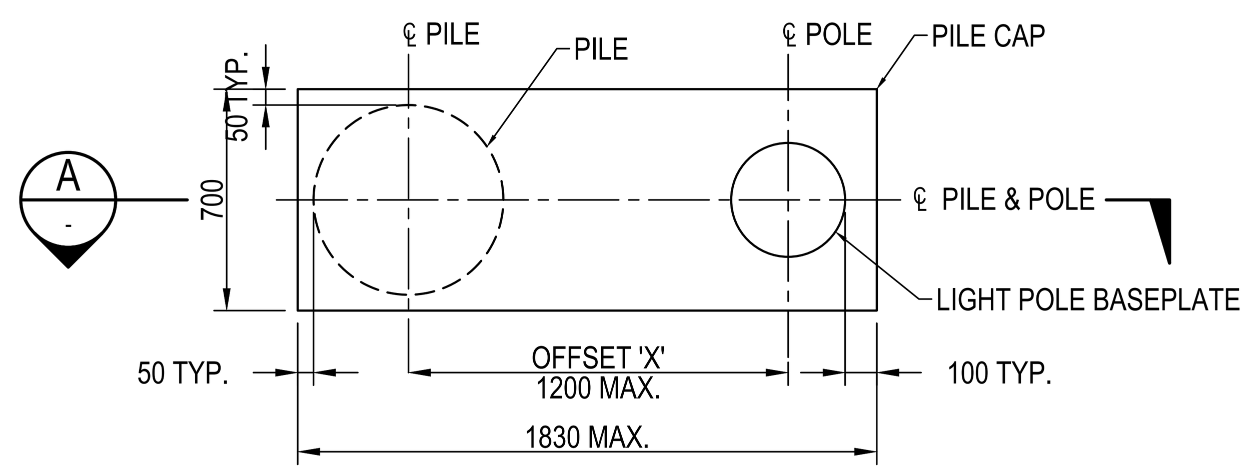
AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A
LIGHTING
FOOTING DETAILS

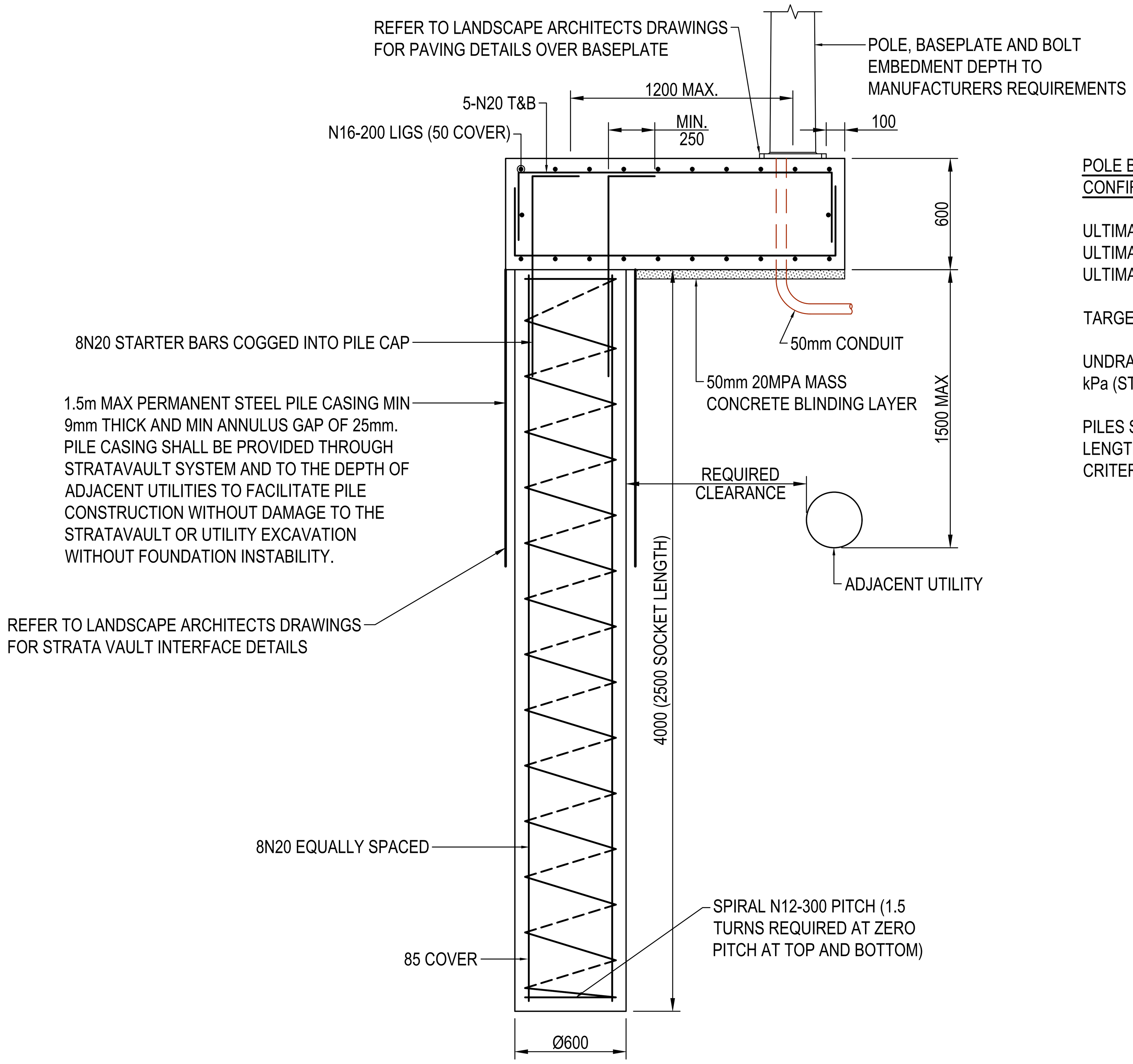
DESIGN LOT No: S210-STAGE 2A SHEET: 01 OF 01 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0222 EDMS No. C

DF 801*554



PLAN
SCALE: 1:20

NOTE:
OFFSET FOUNDATION DETAIL MAY BE USED WHERE THE PILE AND POLE LOCATIONS ARE MISALIGNED DUE TO UNDERGROUND SERVICES. REQUIRED OFFSETS TO BE CONFIRMED ONSITE FOLLOWING POSITIVE LOCATION OF SERVICES AND MINIMUM CLEARANCES.



SECTION A
SCALE 1:20

POLE BASE DESIGN ACTIONS SHALL BE CONFIRMED BY POLE MANUFACTURER

ULTIMATE AXIAL COMPRESSION - 5 kN
ULTIMATE BASE MOMENT - 52 kNm
ULTIMATE BASE SHEAR - 6 kN

TARGET SOCKET MATERIAL

UNDRAINED SHEAR STRENGTH, Su = 75 kPa (STIFF-VERY STIFF CLAY)

PILES SHALL MEET BOTH MINIMUM PILE LENGTH AND MINIMUM SOCKET CRITERIA (MATERIAL AND LENGTH)

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm).
2. COLUMN DESIGN TO COMPLY WITH AS 1170 & AS 1798.
3. ALL WELDING TO COMPLY WITH AS 1554.
4. GALVANISING TO CONFORM TO AS/NZS 4680.
5. PAINT FINISH TO URBAN DESIGNERS SPECIFICATION.
6. BASE PLATE AND FOUNDATION BOLT ASSEMBLIES SHALL BE FABRICATED TO THE REQUIREMENTS SPECIFIED BY THE COLUMN MANUFACTURER. INSTALLATION SHALL BE IN ACCORDANCE WITH COLUMN MANUFACTURER REQUIREMENTS.
7. EXPOSURE CLASSIFICATION FOR THE PILE FOUNDATION IS MODERATE IN ACCORDANCE WITH AS 2159. THIS SHALL BE CONFIRMED ON SITE.
8. PILE FOUNDATION CONCRETE GRADE SHALL BE N40.
9. CONCRETE PILE WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH PROJECT SPECIFICATION B59 AND B80.
10. GEOTECHNICAL DESIGN PARAMETERS SHALL BE CONFIRMED ON SITE BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.
11. DETAIL INDICATIVE AND FOR REFERENCE ONLY. FINAL DESIGN AND DETAIL BY OTHERS

REINFORCEMENT:
1. NOMINAL COVER OF REINFORCEMENT TO NEAREST CONCRETE SURFACE SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
   CAST AGAINST GROUND 85mm
   ALL OTHER SURFACES 50mm
2. UNLESS SPECIFIED OTHERWISE THE MINIMUM LENGTH OF LAPS SHALL BE AS FOLLOWS:

BAR SIZE:	N12	N16	N20	N24	N28	N32	N36	N40
HORIZONTAL BARS WITH > 300mm OF CONCRETE CAST BELOW THE BAR	500	700	1000	1300	1650	2000	2400	2800
OTHER BARS	350	550	750	1000	1250	1550	1850	2150

3. WHERE BUNDLED BARS ARE TO BE LAPPED THE LAP LENGTH SHALL BE THAT OF THE LARGEST BAR INCREASED BY A MULTIPLE FACTOR OF 1.2 FOR A 3-BAR BUNDLE AND 1.33 FOR A 4-BAR BUNDLE.
4. LAPS SHALL BE STAGGERED UNLESS SPECIFIED OTHERWISE SUCH THAT NO MORE THAN 50% OF BARS ARE LAPPED IN ANY ONE CROSS SECTION.
5. REINFORCEMENT MAY BE DISPLACED SLIGHTLY WHERE NECESSARY TO ACCOMMODATE DETAILS AND MAINTAIN COVER.
6. THE GRADE OF REINFORCEMENT SHALL BE D500N TO AS/NZS 4671 UNLESS NOTED OTHERWISE. BAR SIZE IS THE NOMINAL DIAMETER IN MILLIMETRES OR THE AN/NZS 4761 FABRIC NUMBER.
7. REINFORCEMENT BENDS AND HOOKS SHALL BE IN ACCORDANCE WITH SECTION 13 OF AS5100.5.
8. REINFORCEMENT SHALL BE SUSTAINABLY SOURCED STEEL CERTIFIED BY THE ACRS SUSTAINABLE CONSTRUCTION STEEL CERTIFICATION SCHEME.

EARTHWORKS:
1. EARTHWORKS AND BACKFILLING SHALL BE IN ACCORDANCE WITH CLR PROJECT SPECIFICATION R44 AND B30.
2. REMOVE UNSUITABLE MATERIALS AND REPLACE WITH SUITABLE FILL. IF FILL IS EXPOSED THAT IS SUITABLE FOR RE-COMPACTION, EXCAVATE AND RECOMPACT TO AT LEAST 98% STANDARD MAXIMUM DRY DENSITY (SMDD) AT MOISTURE CONTENT WITHIN 80% AND 100% OF SOMC.

DESIGN REQUIREMENTS:
1. THE DESIGN WIND LOAD CRITERIA FOR ALL STRUCTURAL ELEMENTS OF THE PILE ARE IN ACCORDANCE WITH AS 1170.2 - WIND ACTIONS AND AS 5100.2 AND ARE AS BELOW:
   * AVERAGE RECURRENCE INTERVAL: R = 2000 YEARS (ULS)
   * AVERAGE RECURRENCE INTERVAL: R = 25 YEARS (SLS)
   * WIND REGION = A3 - CANBERRA
   * ULTIMATE WIND SPEED: V/2000 = 48m/s
   * SERVICEABILITY WIND SPEED: V/25 = 37m/s
   * WIND DIRECTION MULTIPLIER: Md = 1.0
   * TERRAIN CATEGORY: 3
   * TERRAIN/HEIGHT MULTIPLIER Mzcat IN ACCORDANCE WITH AS 1170.2
   * SHIELDING MULTIPLIER: Ms = 1.0
   * TOPOGRAPHIC MULTIPLIER: Mt = 1.0
   * DRAG COEFFICIENT: Cd = 1.4 (VP1 - VP9)
   * DRAG COEFFICIENT: Cd = 1.0 (CMP - MMP)

SCALE 1:20 0.2 0 0.2 0.4 0.6 0.8 1.0 m
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A
LIGHTING
TYPICAL OFFSET FOUNDATION DETAIL

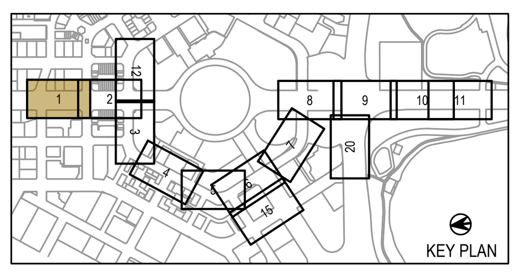
DESIGN LOT No: S210-STAGE 2A | SHEET: 01 OF 01 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0225 | EDMS No. | A

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0225.dwg
Plot Date & Time: 2/10/2023 9:04 AM
Plotted by GRIVASA

NOTES:

1. TEMPORARY LIGHTING DURING CONSTRUCTION TO BE DESIGNED AND PROVIDED BY CONTRACTOR.
2. CONTRACTOR TO ALLOW FOR 50mm STREET LIGHTING CONDUIT TO NEW POLES IF EXISTING POLE CIRCUITRY ALONG NORTHBOURNE AVENUE NEEDS TO BE SUPPLIED FROM THE NEW POLE CIRCUITS AS SHOWN.
3. STREET LIGHTING FROM ALINGA STREET UNTIL NORTHBOURNE AVENUE STAGE IS PROPOSED TO BE EXTENDED FROM STAGE1 STREET LIGHTING POLE.
4. STREET LIGHTING FROM EAST ROW / LONDON CIRCUIT TO NORTHBOURNE AVENUE INTERSECTION IS PROPOSED TO BE SUPPLIED FROM EXISTING STREET LIGHTING POLE SL1082362 CIRCUIT.
5. STREET LIGHTING FROM THEATRE LANE / LONDON CIRCUIT TO NORTHBOURNE AVENUE INTERSECTION IS PROPOSED TO BE SUPPLIED FROM EXISTING STREET LIGHTING POLE SL108323.
6. STREET LIGHTING FROM LONDON CIRCUIT AT NORTHBOURNE AVENUE INTERSECTION ONWARDS IS PROPOSED TO BE SUPPLIED FROM NEW STREET LIGHTING CONTROL CUBICLE AT UNIVERSITY AVENUE.
7. STREET LIGHTING UNDER PARKES WAY BRIDGE IS PROPOSED TO BE SUPPLIED FROM NEW STREET LIGHTING CONTROL CUBICLE AT LONDON CIRCUIT / COMMONWEALTH AVENUE INTERSECTION.
8. STREET LIGHTING FROM COMMONWEALTH AVENUE, FROM THE SOUTHERN COMMENCEMENT OF THE PARKES WAY BRIDGE TO ALBERT AVENUE/COMMONWEALTH AVENUE INTERSECTION IS PROPOSED TO BE EXTENDED FROM EXISTING STREET LIGHTING POLES SL211158 AND SL107244.
9. IN ABSENCE OF AS INSTALLED STREET LIGHTING DRAWINGS AND SCHEMATICS, THE CONTRACTOR SHALL UNDERTAKE THE TASK OF IDENTIFYING EACH CIRCUIT AND INTERCONNECTED POLES, THE CABLE LENGTH AND THE LOAD ON EACH CIRCUIT AND UNDERTAKE THE ASSESSMENT OF THE SPARE CAPACITY, VOLTAGE DROP AND EARTH FAULT LOOP IMPEDANCE FOR NEW CIRCUITS BEING CONNECTED TO EXISTING.
10. FOR ANY SPECIALLY REQUIRED PITS ON LIGHTING NETWORK MUST BE OBTAIN APPROVAL FROM TCCS.



KEY PLAN

SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
NORTHBOURNE AVENUE/ ALINGA STREET
SHEET 1

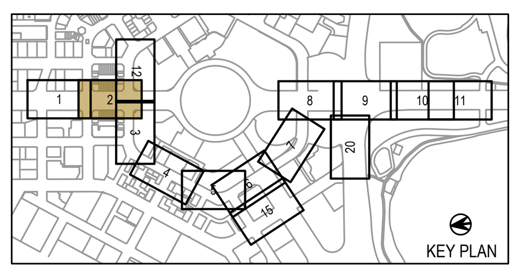
DESIGN LOT No: S210-STAGE 2A SHEET: 01 OF 12 A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0341 EDMS No. C

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0341.dwg
Plot Date & Time: 2/10/2023 9:05 AM
Plotted by GRIVASA

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341



SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN: A GRIVAS
DESIGNED: C LEUNG
DRG CHECK: C LEUNG
DESIGN CHECK: G THEORODOUPOLAS
APPROVED: J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
LONDON CIRCUIT / NORTHBOURNE AVENUE
SHEET 2

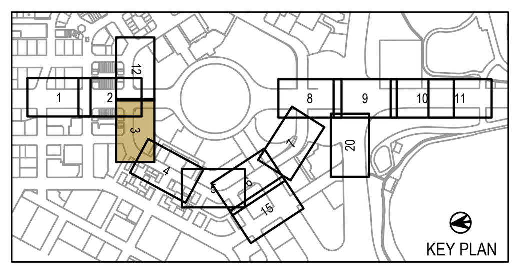
DESIGN LOT No: S210-STAGE 2A SHEET: 02 OF 12 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0342 EDMS No. C

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0342.dwg
Plot Date & Time: 2/10/2023 9:06 AM
Plotted by GRIVASA

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341



SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN: A GRIVAS
DESIGNED: C LEUNG
DRG CHECK: C LEUNG
DESIGN CHECK: G THEORODOUPOLAS
APPROVED: J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
LONDON CIRCUIT / WEST ROW
SHEET 3

DESIGN LOT No: S210-STAGE 2A | SHEET: 03 OF 12 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0343 | EDMS No. | C

DF 801*554

Plotted by GRIVASA

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341

KEY PLAN

SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM Australia Pty Ltd A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

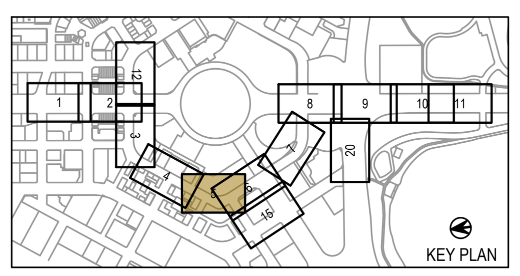
LIGHTING
CONDUIT PLAN
LONDON CIRCUIT / UNIVERSITY AVENUE
SHEET 4

DESIGN LOT No: S210-STAGE 2A SHEET: 04 OF 12 A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0344 EDMS No. C

DF 801*554

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341



SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government Major Projects Canberra

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A
LIGHTING
CONDUIT PLAN
LONDON CIRCUIT / GORDON STREET
SHEET 5

DESIGN LOT No: S210-STAGE 2A | SHEET: 05 OF 12 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0345 | EDMS No. | C

DF 801*554

Plotted by GRIVASA

Plot Date & Time: 2/10/2023 9:09 AM

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0345.dwg

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341

KEY PLAN

SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

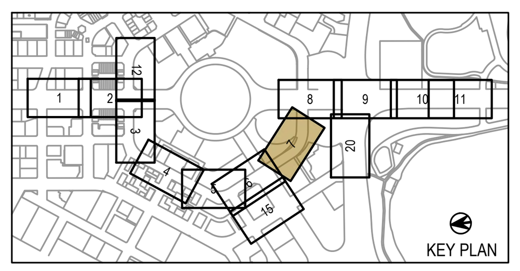
LIGHTING
CONDUIT PLAN
LONDON CIRCUIT / EDINBURGH AVENUE
SHEET 6

DESIGN LOT No: S210-STAGE 2A SHEET: 06 OF 12 A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0346 EDMS No. C

DF 801*554

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341



SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
COMMONWEALTH AVENUE / LONDON CIRCUIT
SHEET 7

DESIGN LOT No: S210-STAGE 2A	SHEET: 07 OF 12		A1
STATUS: APPROVALS ISSUE			©
DRG No. S210-ACM-DRW-CIV-LT-0347		EDMS No.	C

DF 801*554

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

SCALE 1:250 SCALE @ A1

KEY PLAN

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
COMMONWEALTH AV/CITY SOUTH
SHEET 8

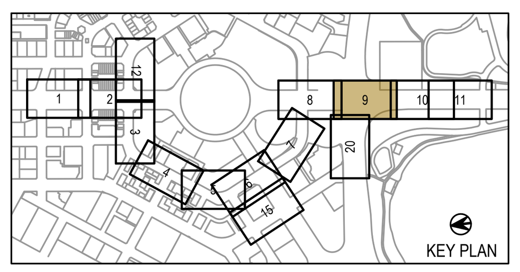
DESIGN LOT No: S210-STAGE 2A SHEET: 08 OF 12 A1
STATUS: APPROVALS ISSUE
DRG No. S210-ACM-DRW-CIV-LT-0348 EDMS No. C

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0348.dwg
Plot Date & Time: 2/10/2023 9:12 AM
Plotted by GRIVASA

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341



SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001:2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

NOT FOR CONSTRUCTION

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
COMMONWEALTH AV/PARKES WAY ON RAMP
SHEET 9

DESIGN LOT No: S210-STAGE 2A SHEET: 09 OF 12 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0349 EDMS No. C

DF 801*554

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341

KEY PLAN

SCALE 1:250 SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO HEIGHT DATUM: AHD SCALE: AS SHOWN

ACT Government Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
COMMONWEALTH PARK
SHEET 10

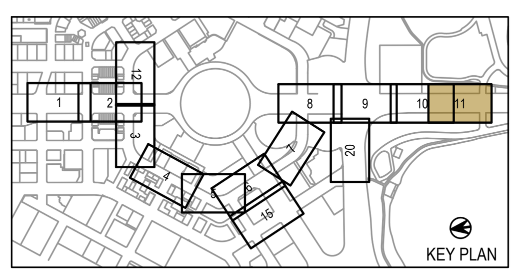
DESIGN LOT No: S210-STAGE 2A SHEET: 10 OF 12 A1
STATUS: APPROVALS ISSUE ©
DRG No. S210-ACM-DRW-CIV-LT-0350 EDMS No. C

DF 801*554

File Plotted: C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0350.dwg
Plot Date & Time: 2/10/2023 9:14 AM
Plotted by GRIVASA

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341



SCALE 1:250
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government — Major Projects Canberra

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
COMMONWEALTH AV/ALBERT ST
SHEET 11

DESIGN LOT No: S210-STAGE 2A | SHEET: 11 OF 12 | A1

STATUS: APPROVALS ISSUE ©

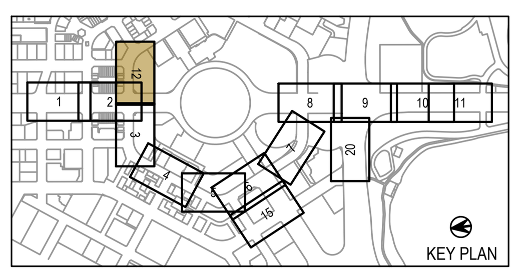
DRG No. S210-ACM-DRW-CIV-LT-0351 | EDMS No. | C

DF 801*554

Plotted by GRIVASA

NOTES:

1. FOR NOTES REFER TO SHEET 1, DRAWING NUMBER S210-ACM-DRW-CIV-LT-0341



SCALE 1:250 (2.5 0 5 10 12.5 m)
SCALE @ A1

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOT FOR CONSTRUCTION

AMD	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
C	APPROVALS ISSUE	GT 10.02.23	AA 10.02.23	JP 10.02.23
B	APPROVALS ISSUE	GT 16.12.22	AA 16.12.22	JP 16.12.22
A	CO-ORDINATION SET - WORK IN PROGRESS	GT 04.11.22	AA 04.11.22	JP 04.11.22

CO-ORDINATE SYSTEM: STROMLO | HEIGHT DATUM: AHD | SCALE: AS SHOWN

ACT Government
Major Projects Canberra

This drawing is confidential and shall only be used for the purpose of this project.
The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the Canberra Light Rail Stage 2 quality assurance system to ISO 9001;2015

AECOM
AECOM Australia Pty Ltd
A.B.N. 20 093 846 925

DRAWN A GRIVAS
DESIGNED C LEUNG
DRG CHECK C LEUNG
DESIGN CHECK G THEORODOUPOLAS
APPROVED J PETERS

CANBERRA LIGHT RAIL 2A

LIGHTING
CONDUIT PLAN
NORTHBOURNE AVENUE/ ALINGA STREET
SHEET 12

DESIGN LOT No: S210-STAGE 2A | SHEET: 12 OF 12 | A1
STATUS: APPROVALS ISSUE | ©
DRG No. S210-ACM-DRW-CIV-LT-0352 | EDMS No. | C

DF 801*554

Plotted by GRIVASA
Plot Date & Time 2/10/2023 9:16 AM
File Plotted S210-ACM-DRW-CIV-LT-0352
C:\pwworking\aecom_ds12_au\arthur.grivas@aecom.com\d0142029\S210-ACM-DRW-CIV-LT-0352.dwg