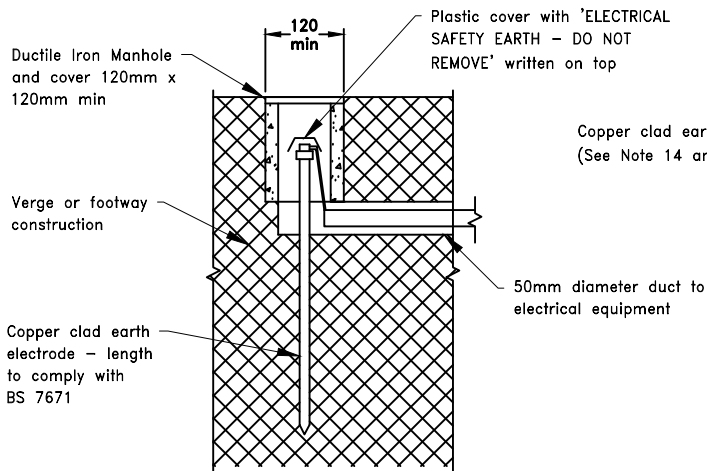


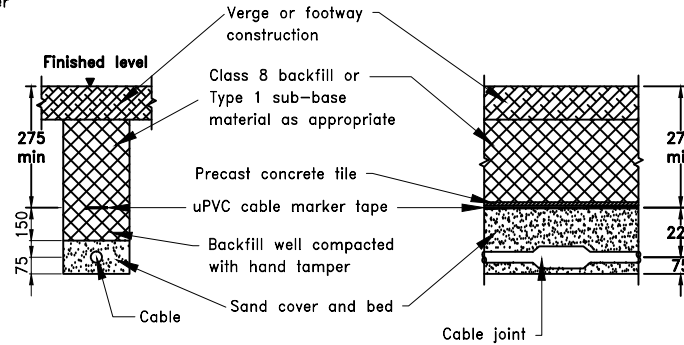
Standard Foundation

Sleeved Foundation

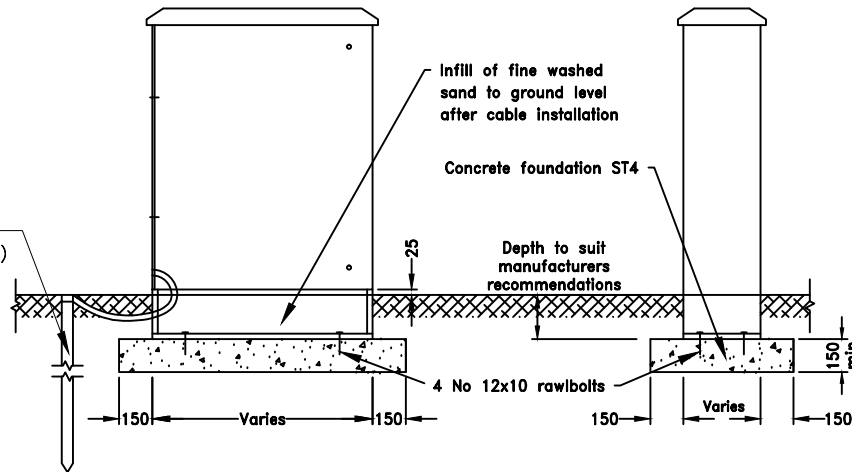
COLUMN FOUNDATION DETAILS



Detail A
EARTH ELECTRODE DETAIL



TYPICAL SECTIONS
CABLE TRENCH
(See Note 12)



FEEDER PILLAR FOUNDATION DETAIL

Notes

- All dimensions in millimetres.
- All equipment shall be to specification and/or approval of the Overseeing Organisation.
- All equipment shall be sited within the highway boundary.
- Lighting columns shall be sited to suit the design of the system and will normally be erected at the back of footway, cycleway or highway verge. A minimum clearance of 1800 from the face of kerb is required.
- Illuminated signs or signs over 0.36sq.m shall not be fixed to lighting columns.
- Nedal Extruded Aluminium Columns with Thermoplastic root shall be used unless agreed otherwise with the Overseeing Organisation.
- Special foundations are required for certain types of columns and the Overseeing Organisation shall be consulted for details.
- All columns shall be planted so the door is safely accessible.
- Backfill to excavations in paved areas shall be Type 1 sub-base CL.803 SHW.
- Class 8 lower trench fill shall be to CL.503 SHW.
- A hardstanding of concrete paving slabs shall be laid in front of feeder pillar doors in verges.
- Where possible all cables shall be laid in 100 dia. orange UPVC duct and overlaid with uPVC cable marker tape. See SD/500/3&4 for cable duct details.
- An earth electrode shall be fitted on the last column of each run.
- Earth rods shall comply with latest IEE regulations. Min length 1500.
- All Lighting Columns shall be identified by a unique number stencilled in black paint. The numbers shall be provided by the Overseeing Organisation.
- Concrete infill to Column shall be BS 8500-1:2006 grade ST5 (or RC 20/25)



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project

STANDARD DRAWINGS

Drawing title

STREET LIGHTING AND TRAFFIC SIGNALS
Lighting Column and Feeder Pillar Foundation Details, Cabling and Jointing

Drawn

J.F

Date

AUGUST 2015

Checked

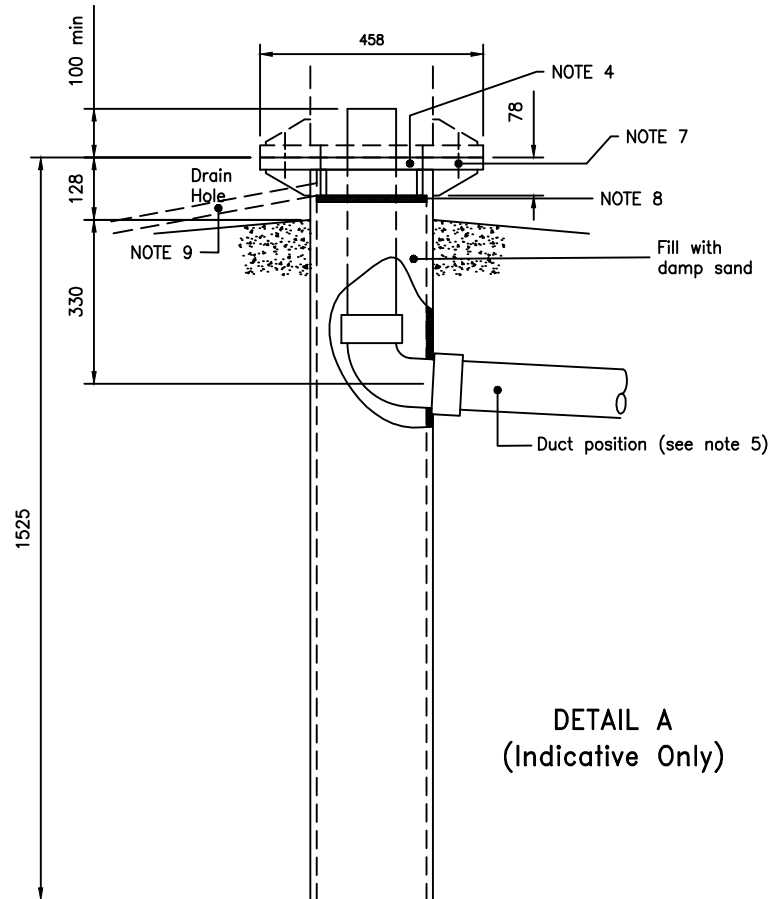
B.S

Scale

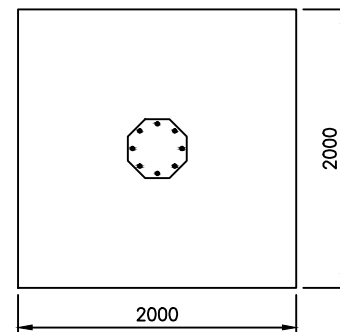
NOT TO SCALE

Drawing No.

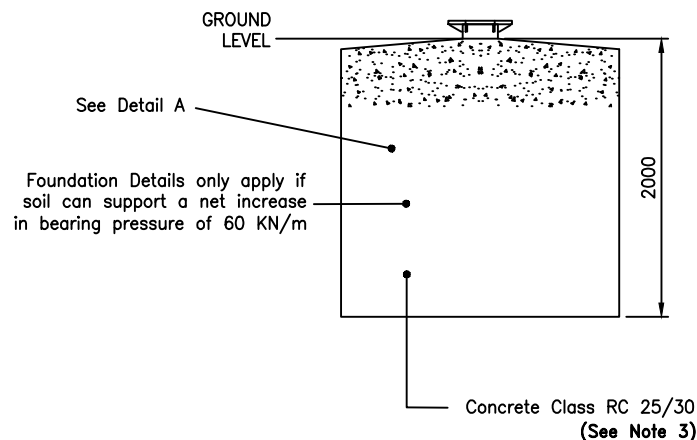
SD/1300/1



**DETAIL A
(Indicative Only)**

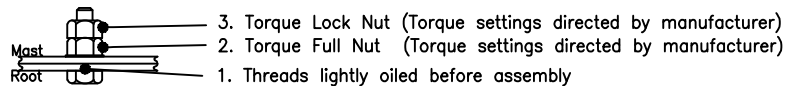


PLAN OF FOUNDATION



**FOUNDATION DETAIL
(See Note 12)**

Tightening Procedure for Mast fixing bolts



NOTES

1. All dimensions in millimetres.
2. CCTV Mast shall be mounted in concrete. Typical size in undisturbed soil as shown. If soil has been disturbed or if any doubt exists, the Overseeing Organisation shall be contacted before installation proceeds.
3. Concrete shall comply with BS 8500-1:2006 , All concrete below ground shall have SRPC unless otherwise directed by the Overseeing Organisation.
4. Top face shall be level to 0.25'
5. Cable entry shall be by 100mm uPVC duct. The duct shall align with hole in base and shall slope down to prevent water ingress.
6. Concrete surface shall have 5° taper to act as water shed.
7. Protect nuts, bolt heads and threads of base fixing and wrap around edge of Root and Mast flange to produce a watertight seal with the following materials:
 - 1 coat Denso paste
 - 1 coat Denso tape (30mm wide)
8. Top of damp sand sealed with C.I.B.A. Geigy XD 4133 Resin and hardener to level of drain hole, min. thickness 6mm.
9. Drain duct (minimum 25mm dia.) positioned in root drain hole and sealed with Denso paste and tape (see note 6). Length of duct to suit site and drainage conditions.
10. CCTV Mast shall be supplied by the Overseeing Organisation and shall be collected and stored on site by the Contractor.
11. The Contractor shall erect the Mast using a suitable crane for a 15m Mast.
 - a) Approx weight of 15m Mast = 1149kg
 - b) Approx weight of the Mast = 130kg
12. Foundation steel cage and fixings for CCTV Mast shall be approved by the Overseeing Organisation.



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

STANDARD DRAWINGS

Drawing title

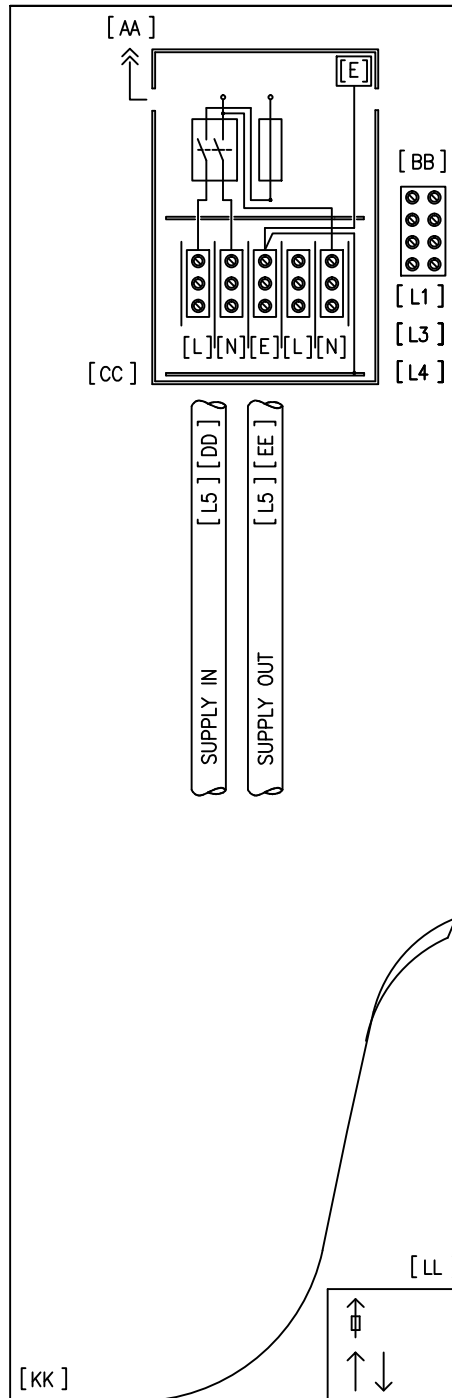
CCTV MAST FOUNDATION

Drawn	J.F	Date	AUGUST 2015
Checked	B.S	Scale	NOT TO SCALE

Drawing No. **SD/1300/2**

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.

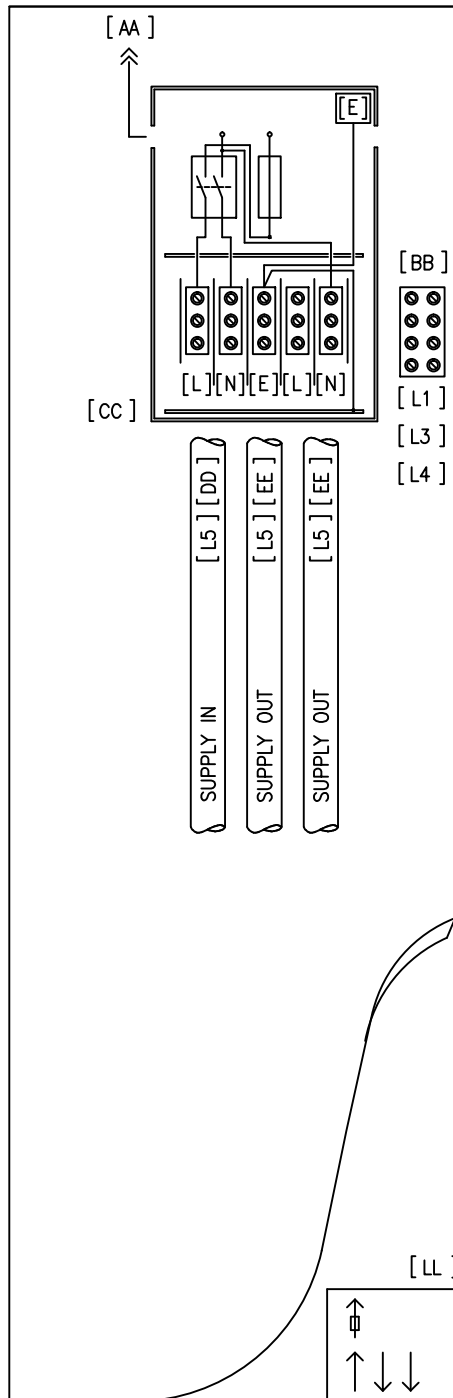


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	
	Drawn D.C.K	Scale N.T.S
Drawing title	Checked M.H.C.	Date 20.07.15
	Drawing No. SD/1400/001	

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



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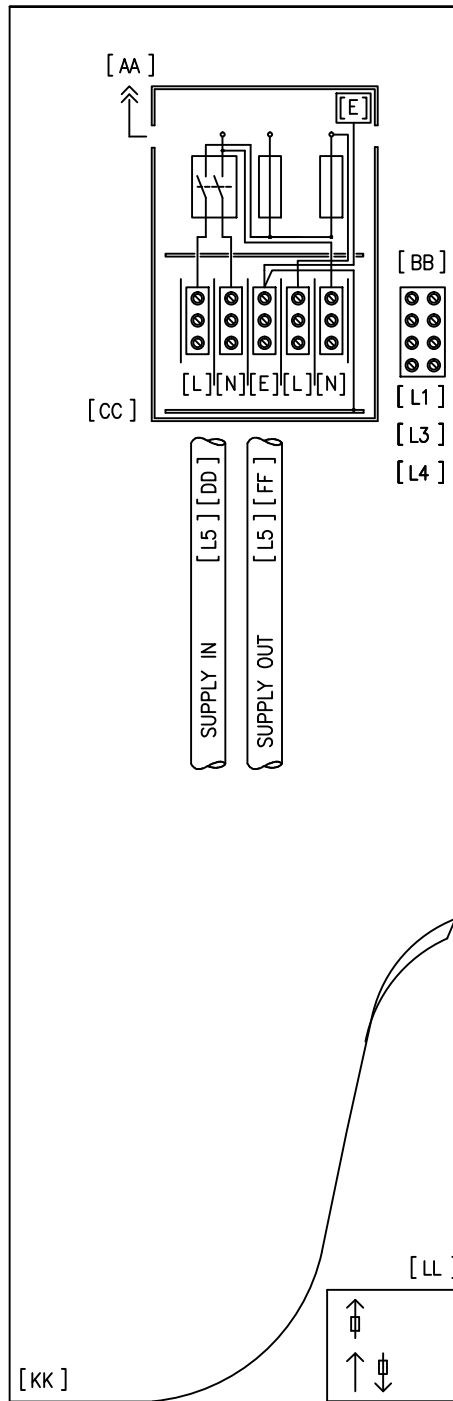
Highways and Transport
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Market Street
Newbury
RG14 5LD

Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	
	Drawing	Scale
Drawing title	Checked	Date
	TERMINATION TYPE 2	
Drawing No.		SD/1400/002


D.C.K	N.T.S
M.H.C.	20.07.15

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.

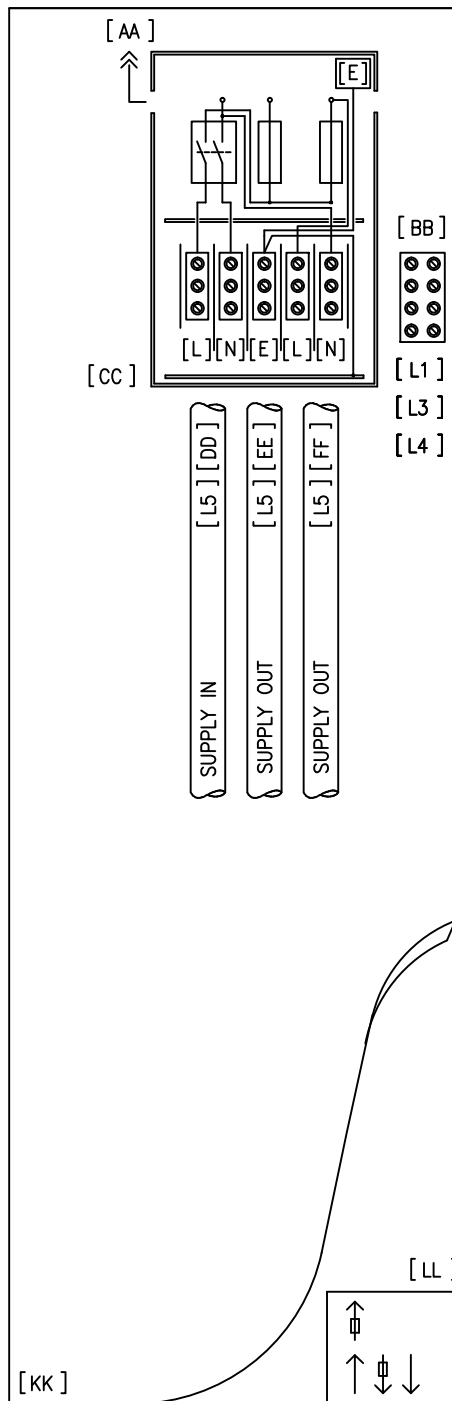


T:\West Berkshire Standard Details\CAD files\SD Street Lighting Aug&Sep 2015\ SD 1400-003.dwg

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		Drawing title TERMINATION TYPE 3	Checked M.H.C.	Date 20.07.15
		Drawing No. SD/1400/003		

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project

STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawn

D.C.K

Scale

N.T.S

Checked

M.H.C.

Date

20.07.15

Drawing title

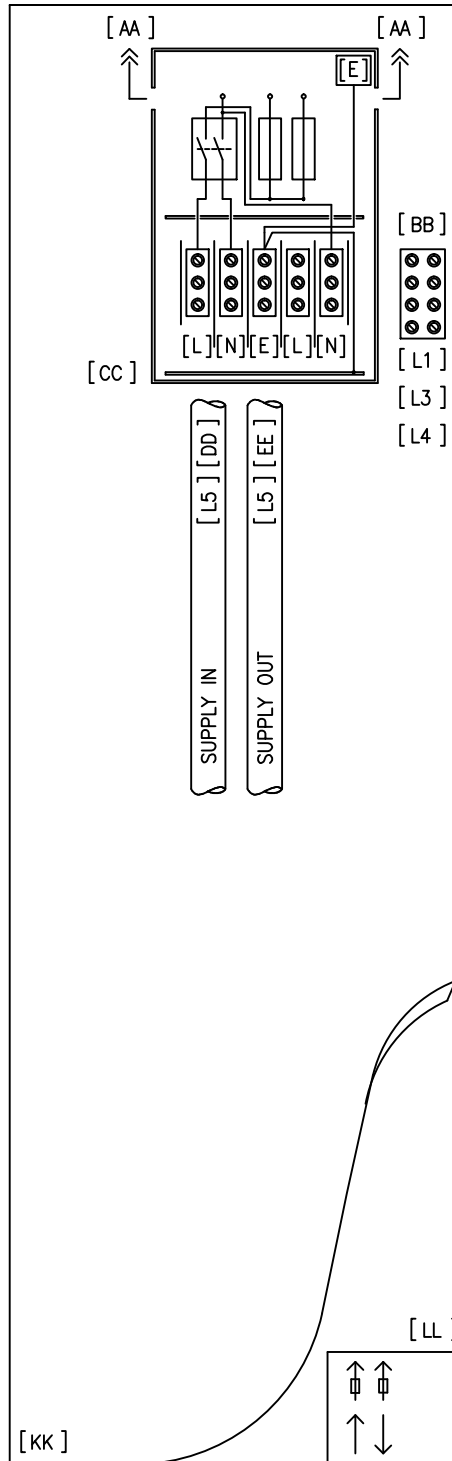
TERMINATION TYPE 4

Drawing No.

SD/1400/004

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



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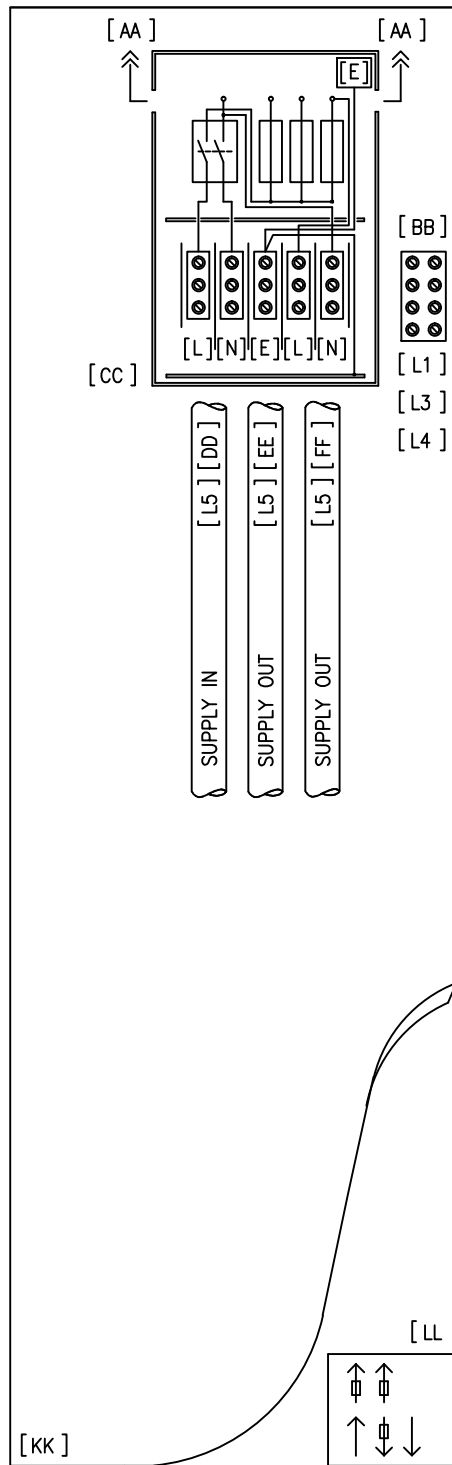


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	Drawn D.C.K	Scale N.T.S
	Checked M.H.C.	Date 20.07.15
Drawing title TERMINATION TYPE 5	Drawing No. SD/1400/005	

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



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Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project

STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawn

D.C.K

Scale

N.T.S

Checked

M.H.C.

Date

20.07.15

Drawing title

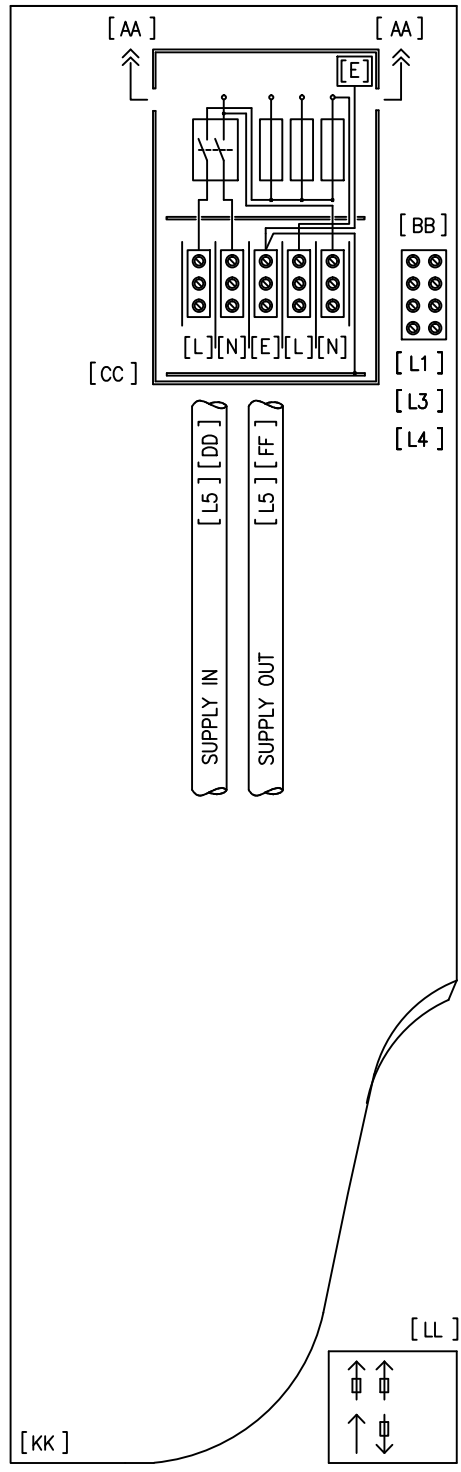
TERMINATION TYPE 6

Drawing No.

SD/1400/006

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



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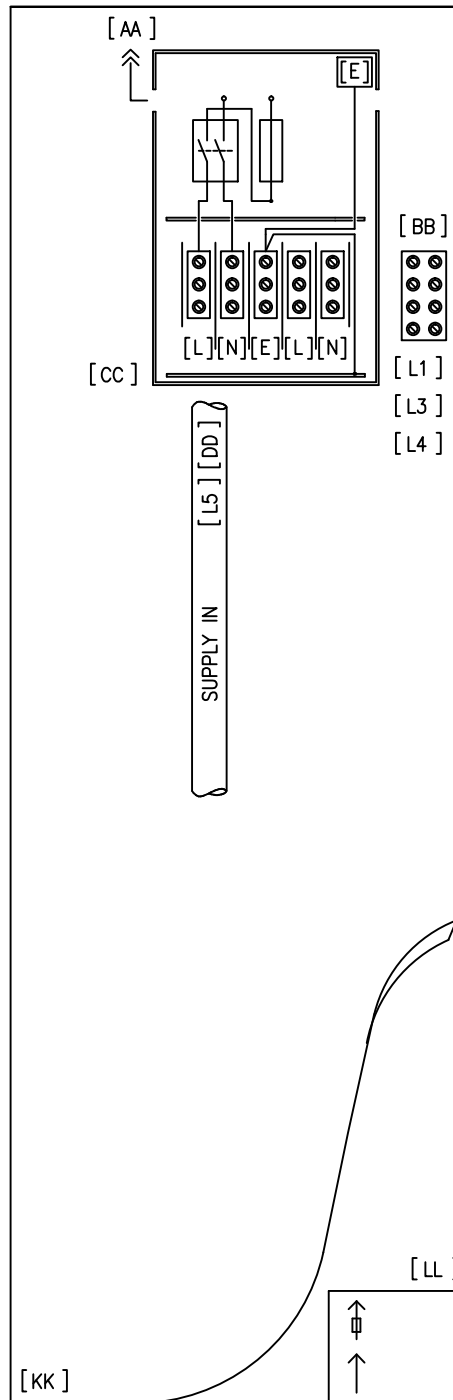


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	Drawn D.C.K	Scale N.T.S
	Checked M.H.C.	Date 20.07.15
Drawing title TERMINATION TYPE 7	Drawing No. SD/1400/007	

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



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Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

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STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawn

D.C.K

Scale

N.T.S

Checked

M.H.C.

Date

20.07.15

Drawing title

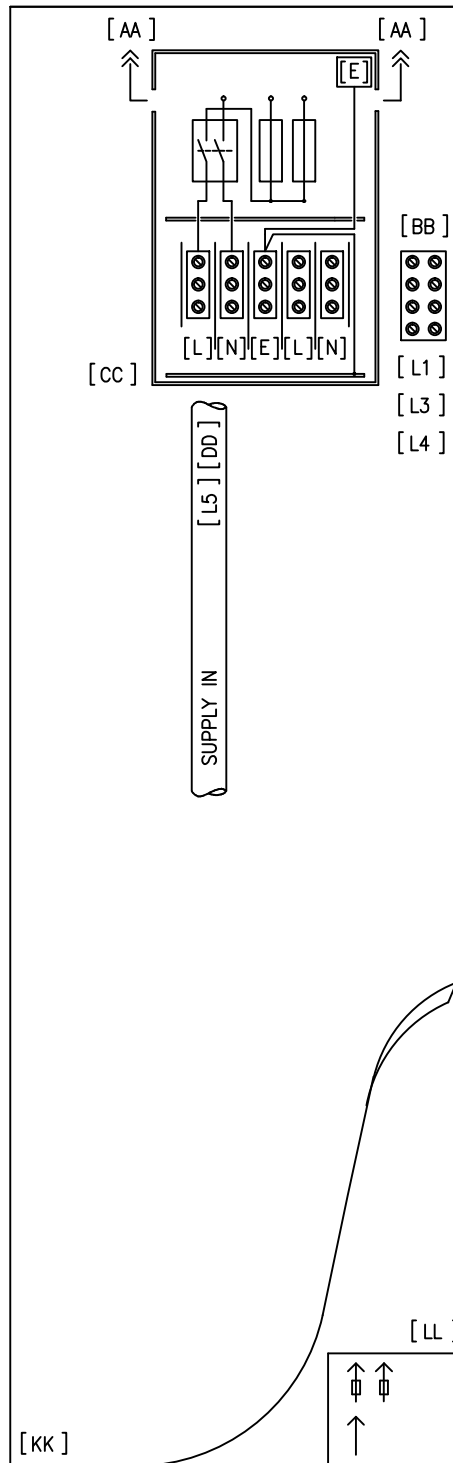
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Drawing No.


SD/1400/008

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.

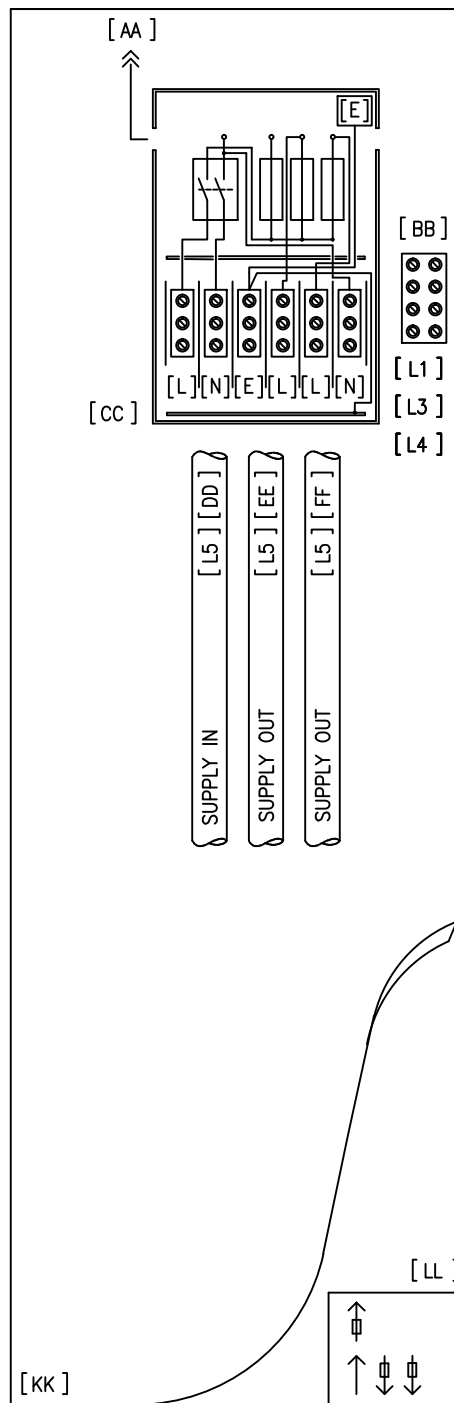


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	Highways and Transport Council Offices Market Street Newbury RG14 5LD	Project	Drawn	Scale
		STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	D.C.K	N.T.S
		Drawing title	Checked	Date
		TERMINATION TYPE 9	M.H.C.	20.07.15
			Drawing No. SD/1400/009	

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



T:\West Berkshire Standard Details\CAD Files\SD Street Lighting\Aug 8 Sep 2015\ SD 1400-010.dwg

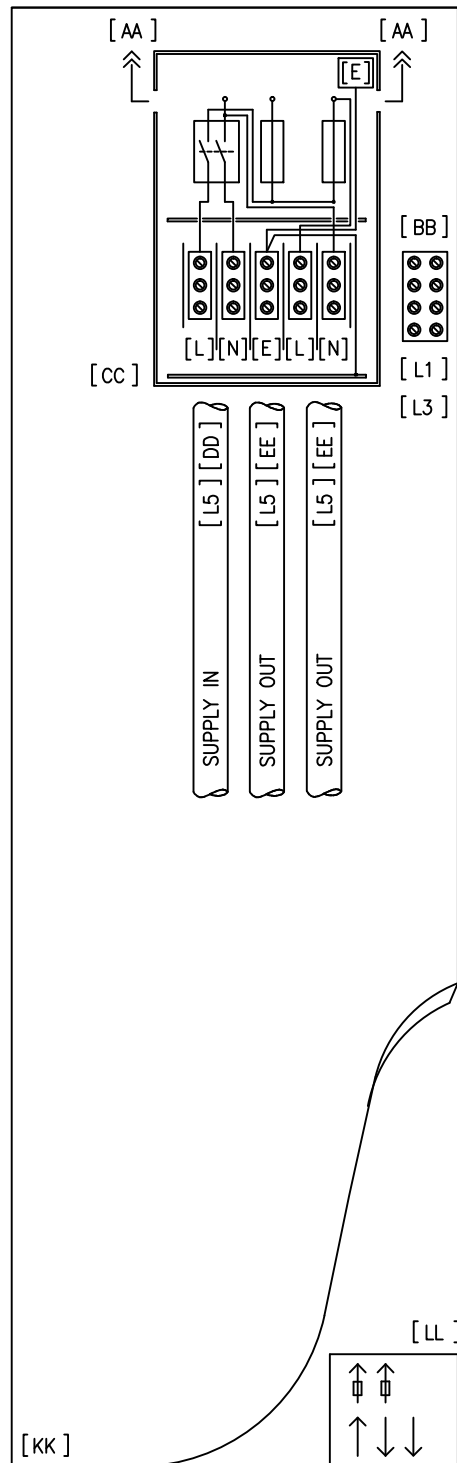


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL		Drawn D.C.K	Scale N.T.S
	Drawing title		Checked M.H.C.	Date 20.07.15
TERMINATION TYPE 10		Drawing No. SD/1400/010		

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project

STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawn

D.C.K

Scale

N.T.S

Checked

M.H.C.

Date

20.07.15

Drawing title

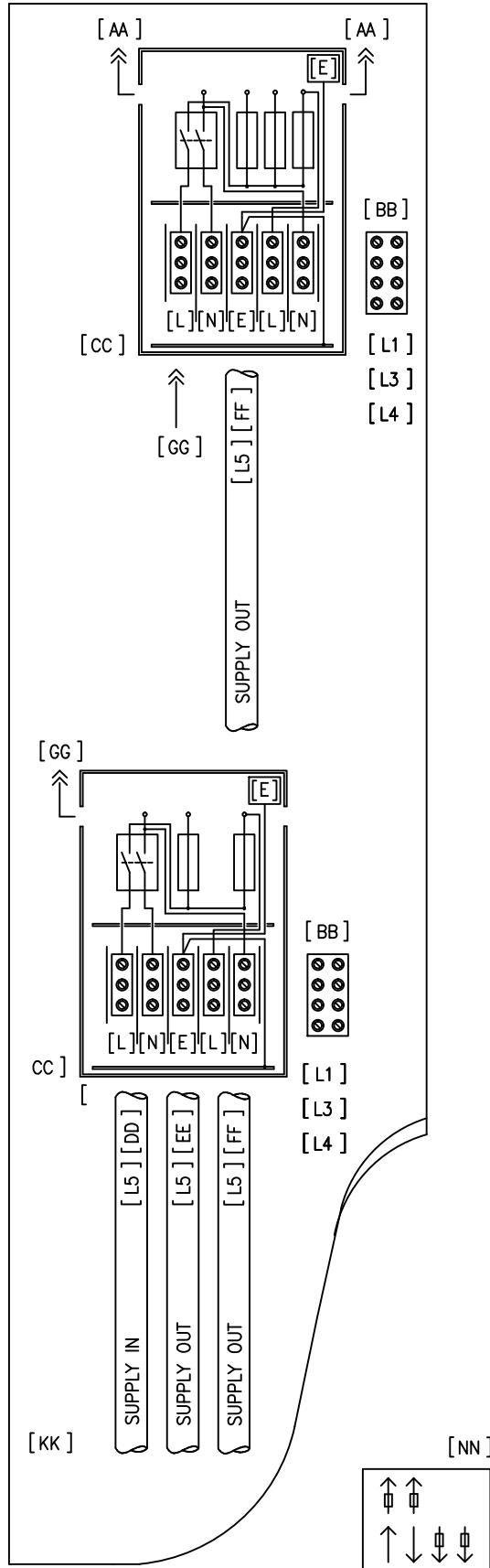
TERMINATION TYPE 11

Drawing No.

SD/1400/011

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project
STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

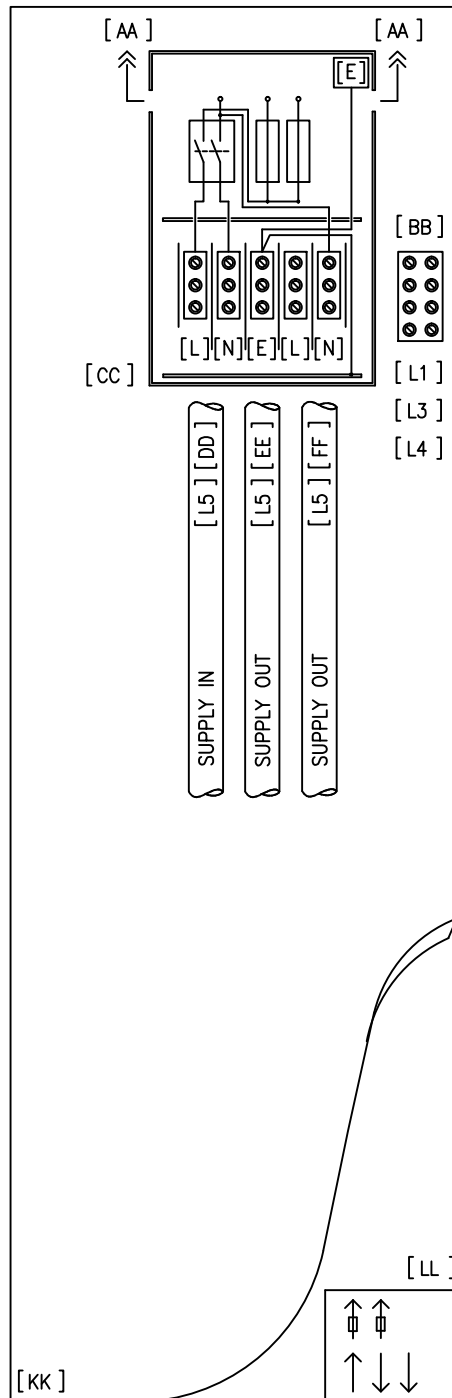
Drawn D.C.K	Scale N.T.S
Checked M.H.C.	Date 20.07.15

Drawing title
TERMINATION TYPE 12

Drawing No.
SD/1400/012

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project

STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawing title

TERMINATION TYPE 13

Drawn

D.C.K

Checked

Scale

N.T.S

Date

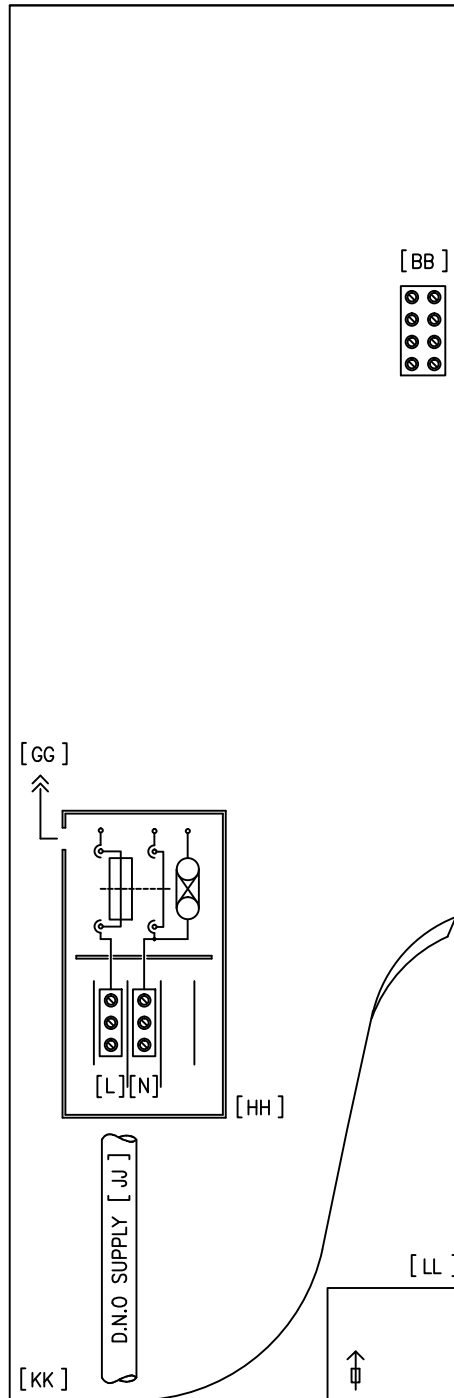
20.07.15

Drawing No.

SD/1400/013

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



T:\West Berkshire Standard Details\CAO Files\SD Street Lighting\Aug 8 Sep 2015\ SD 1400-014.dwg



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project

STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawn

D.C.K

Scale

N.T.S

Checked

M.H.C.

Date

20.07.15

Drawing title

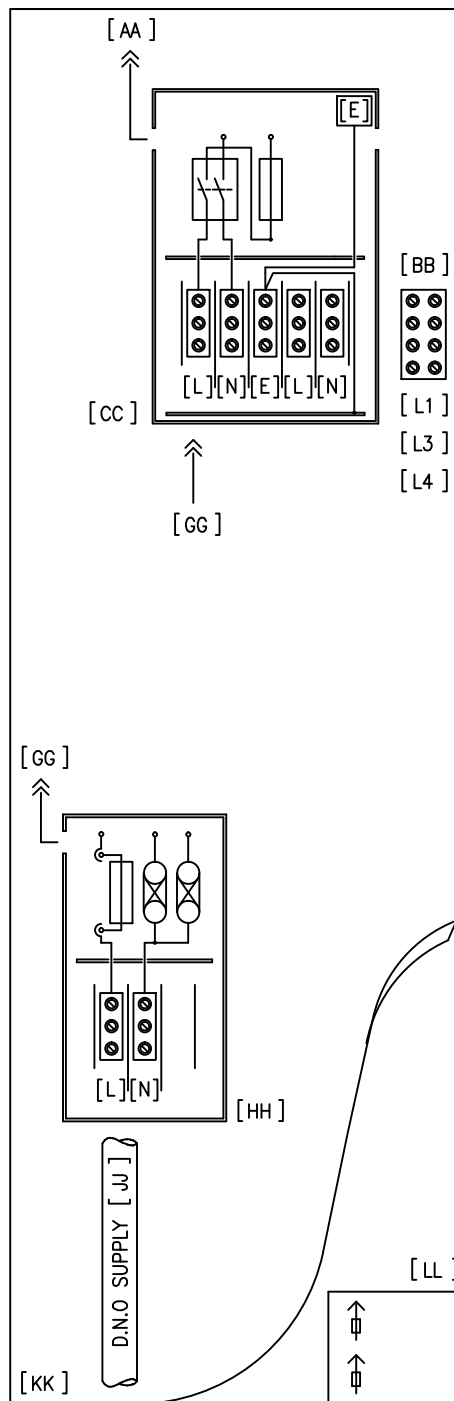
TERMINATION TYPE 14

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NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.

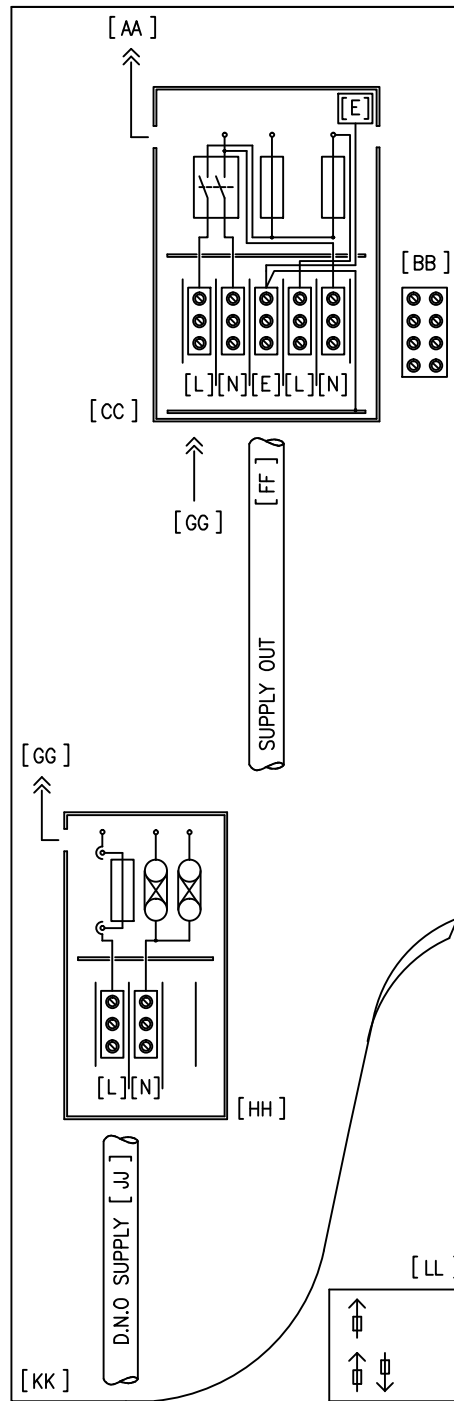


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	Highways and Transport Council Offices Market Street Newbury RG14 5LD	Project	Drawn	Scale
		STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	D.C.K	N.T.S
		Drawing title	Checked	Date
TERMINATION TYPE 15		M.H.C.	20.07.15	Drawing No.
				SD/1400/015

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.

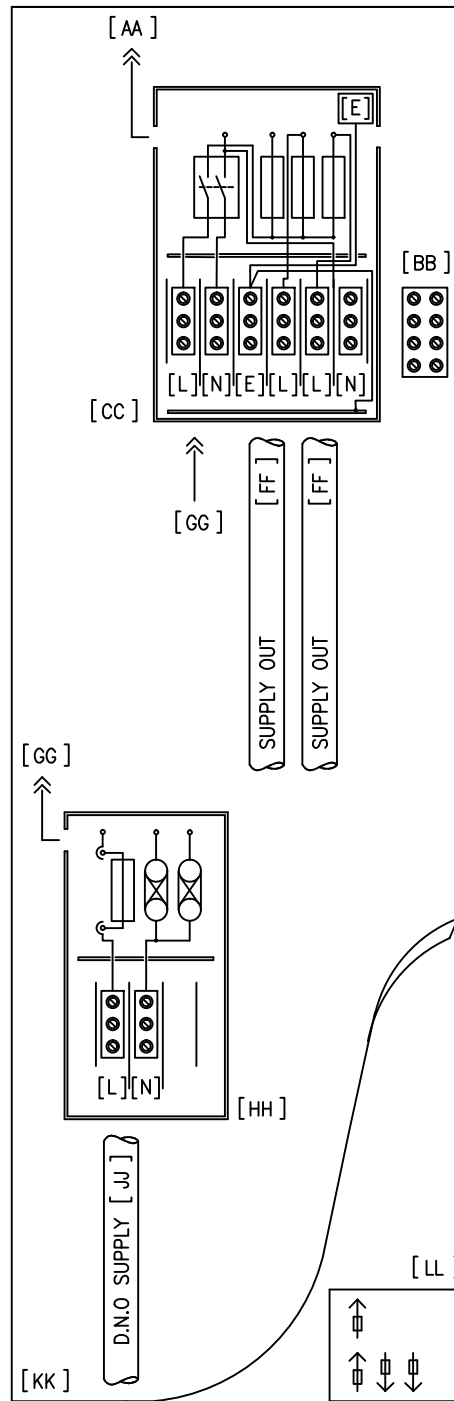


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	Drawn D.C.K	Scale N.T.S
	Checked M.H.C.	Date 20.07.15
Drawing title TERMINATION TYPE 16	Drawing No. SD/1400/016	

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



T:\West Berkshire Standard Details\CAD Files\SD Street Lighting_Aug&Sep 2015\ SD 1400-017.dwg

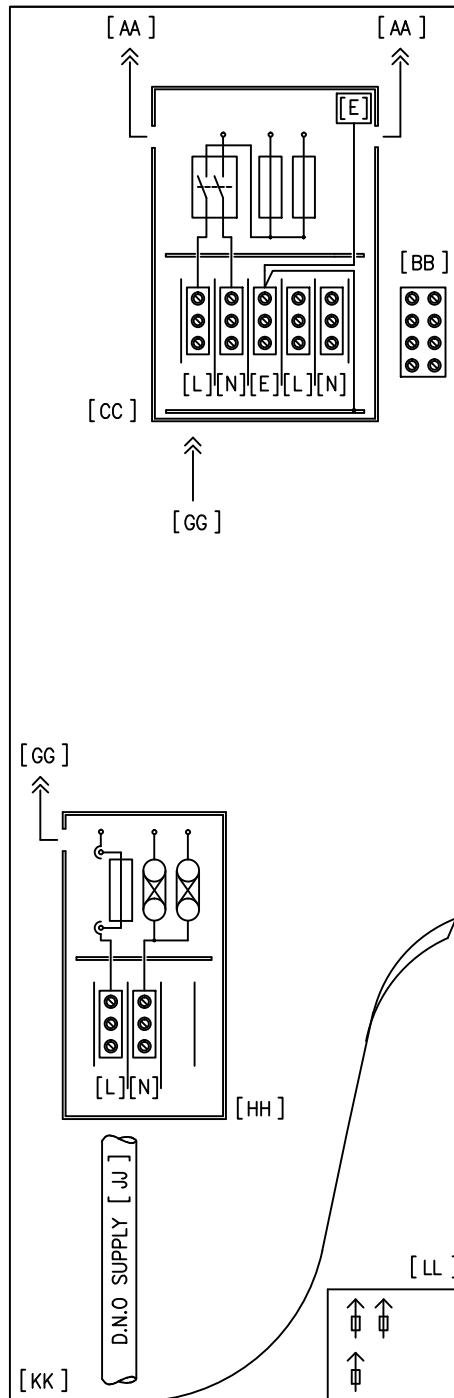


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	
	Drawn D.C.K	Scale N.T.S
Drawing title	Checked M.H.C.	Date 20.07.15
TERMINATION TYPE 17	Drawing No. SD/1400/017	

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



T:\West Berkshire Standard Details\CAO files\SD Street Lighting_Aug&Sep 2015\ SD 1400-018.dwg

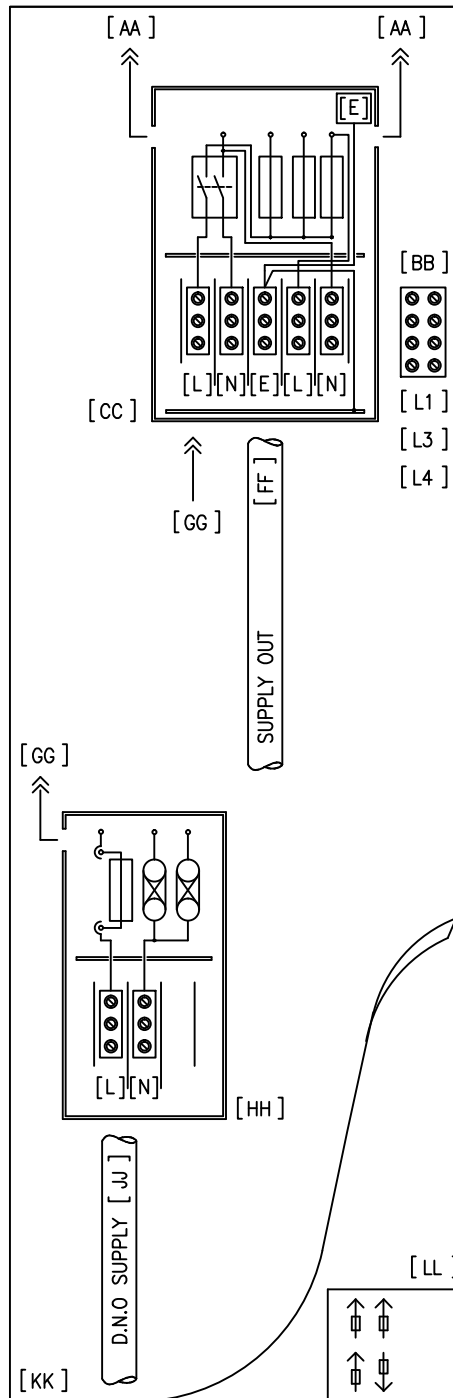


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	Drawn D.C.K	Scale N.T.S
	Checked M.H.C.	Date 20.07.15
Drawing title TERMINATION TYPE 18	Drawing No. SD/1400/018	

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



T:\West Berkshire Standard Details\CAD files\SD Street Lighting_Aug&Sep 2015\ SD 1400-019.dwg

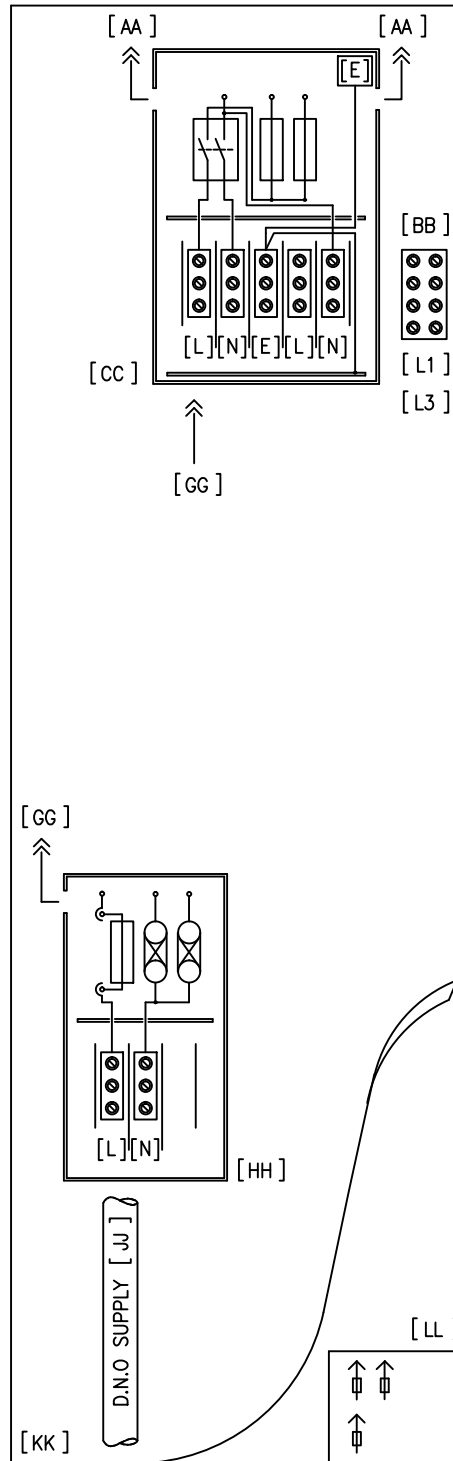


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL		Drawn D.C.K	Scale N.T.S
	Drawing title		Checked M.H.C.	Date 20.07.15
TERMINATION TYPE 19		Drawing No. SD/1400/019		

NOTE

1. Refer to standard drawings SD/1400/021 & SD/1400/022 for the termination key and label key.



T:\West Berkshire Standard Details\CAD Files\SD Street Lighting_Aug&Sep_2015\ SD 1400-020.dwg



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL		Drawn D.C.K	Scale N.T.S
	Drawing title TERMINATION TYPE 20		Checked M.H.C.	Date 20.07.15
			Drawing No. SD/1400/020	

TERMINATION KEY

ITEM	DESCRIPTION	CLAUSE
[AA]	PVC/PVC 6242Y twin core plus earth cable to lighting unit.	1419
[BB]	4 way brass earth block with individual PVC 6491X green/yellow earth cables bonded to the following components:	1420
	> Cut-out gland plate(s);	
	> Base compartment door by 4mm ² earth cable;	
	> Base compartment main earth stud;	
	> Distribution Network Operator cut-out.	
	(All earth cables shall be sized in accordance with BS7671)	
[CC]	Cut-out incorporating the following components:	1416
	> Double pole isolation switch;	
	> Outgoing ways fused using BS88 fuse links. Number of fused ways as defined on each drawing;	
	> Extension box with terminal block (where required);	
	> 3mm brass gland plate with 3no. Incoming/outgoing ways.	
	> Brass cable glands complying with BS6121, type CW. Quantity as defined on each drawing;	1423
	> Natural rubber cable grommets. Quantity as defined on each drawing.	
[DD]	Incoming private supply cable.	1419/1421
[EE]	Outgoing private supply cable.	1419/1421
[FF]	Outgoing private supply cable fused.	1419/1421
[GG]	6mm sq PVC/PVC 6181Y singles connected to cutout.	1419
[HH]	Distribution Network Operator cut-out.	
[JJ]	Distribution Network Operator supply cable.	
[KK]	Base compartment backboard.	
[LL]	Schematic representation of termination arrangement.	

NOTES

1	Ref. [EE], [FF] & [GG] – Cable is to be cleated to the base compartment backboard approx. 200mm below cut-out.
2	Ref. [EE], [FF] & [GG] – Cable type as defined on each termination drawing.
3	Ref. [AA] – A drip loop is to be formed in the cable using a black tie wrap.



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	Drawn D.C.K	Scale N.T.S
	Checked M.H.C.	Date 20.07.15
Drawing title TERMINATION KEY	Drawing No. SD/1400/021	

LABEL KEY

ITEM	DESCRIPTION
[L1]	Type: Earth Block Label Legend: "SAFETY ELECTRICAL CONNECTION DO NOT REMOVE" Background: Red Lettering: White (5mm) Material: Rigid PVC Fixing: Brass Fixing Screws
[L2]	Type: PME Warning Label Legend: "WARNING PME SERVICE POINT" Background: White Lettering: Red (5mm) Material: Rigid PVC Fixing: Brass Fixing Screws
[L3]	Type: PME Warning Label Legend: "PRIVATE CABLE NETWORK LOOPED FROM A PME SERVICE POINT" Background: White Lettering: Red (5mm) Material: Rigid PVC Fixing: Brass Fixing Screws
[L4]	Type: Phase Identification Label Legend: N/A Background: As Required Lettering: N/A Material: 18mm Diameter Rigid PVC Donut with 2mm Hole Fixing: Brass Fixing Screws
[L5]	Type: Source/Destination Label Legend: Source/Destination Details (i.e. TS01, COL E4 etc) Background: White Lettering: Black (3mm) Material: Plasticized PVC Fixing: Black Plastic Tie Wraps

NOTES

1	Labels [L2], [L3] & [L4] shall be selected and installed where applicable to the installation on site.
2	Label [L1] shall be installed adjacent to the earth block ref [BB].
3	All Labels shall be selected and installed where applicable to the installation on site.



Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project

STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawing title

TERMINATION LABELS

Drawn

D.C.K

Scale

N.T.S

Checked

M.H.C.

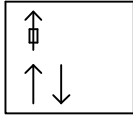
Date

20.07.15

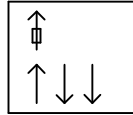
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SD/1400/022

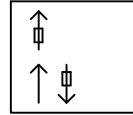
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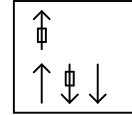
TERMINATION TYPE 2



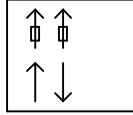
TERMINATION TYPE 3



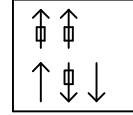
TERMINATION TYPE 4



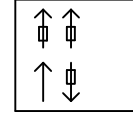
TERMINATION TYPE 5



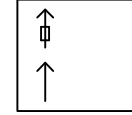
TERMINATION TYPE 6



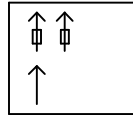
TERMINATION TYPE 7



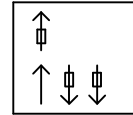
TERMINATION TYPE 8



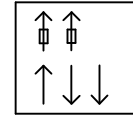
TERMINATION TYPE 9



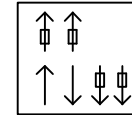
TERMINATION TYPE 10



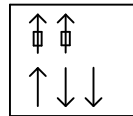
TERMINATION TYPE 11



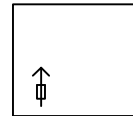
TERMINATION TYPE 12



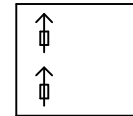
TERMINATION TYPE 13



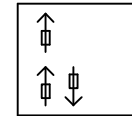
TERMINATION TYPE 14



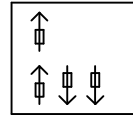
TERMINATION TYPE 15



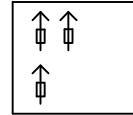
TERMINATION TYPE 16



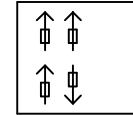
TERMINATION TYPE 17



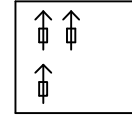
TERMINATION TYPE 18



TERMINATION TYPE 19

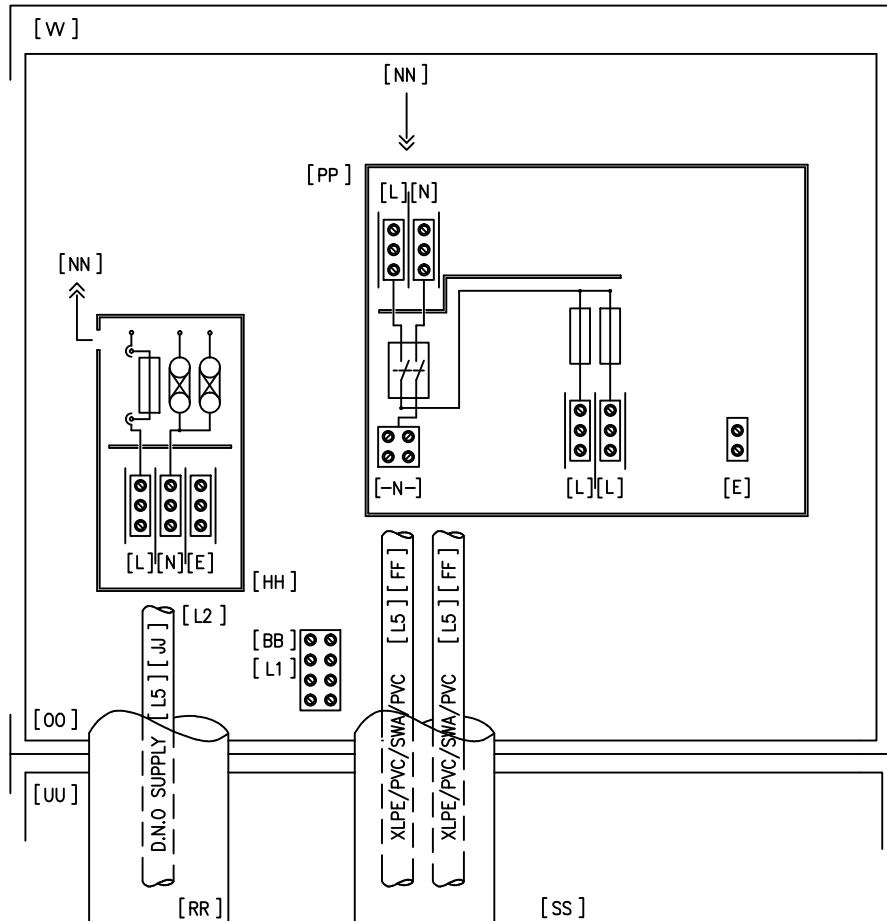


TERMINATION TYPE 20



NOTE

1. Refer to standard drawing SD/1400/022 for the label key & SD/1400/030 for the termination key.

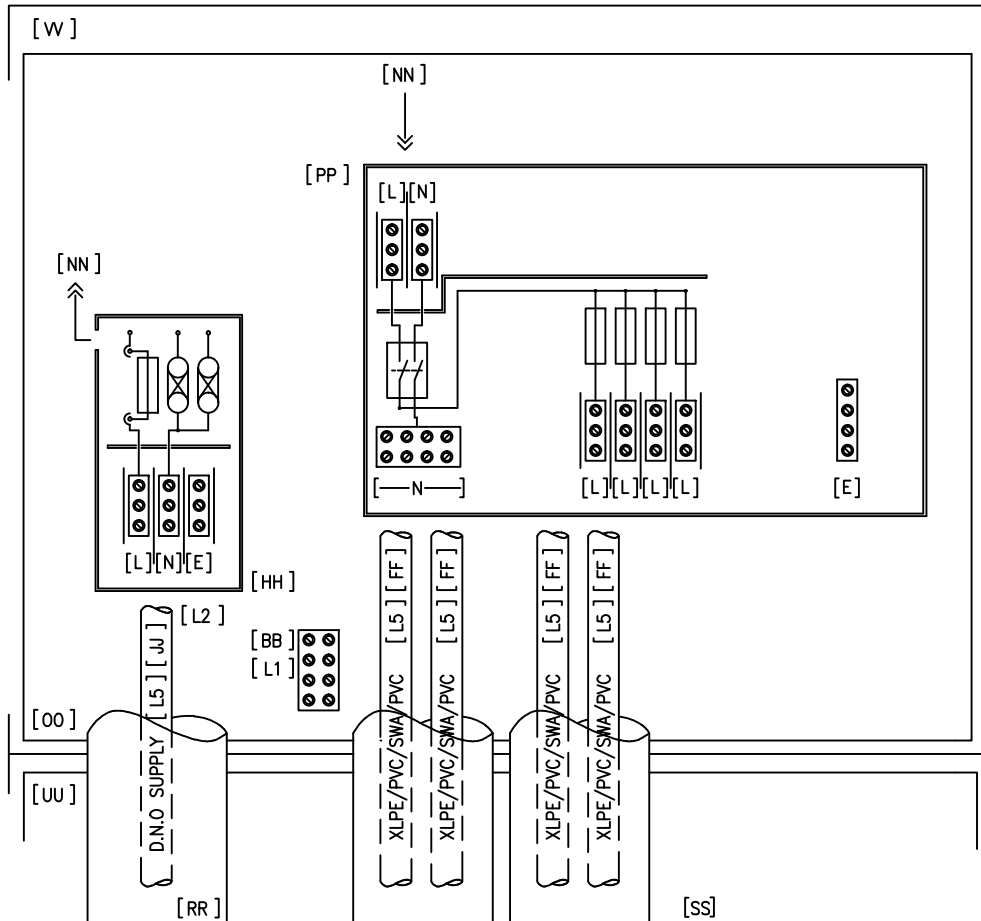


Highways and Transport
Council Offices
Market Street
Newbury
RG14 5LD

Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL		Drawn D.C.K	Scale N.T.S
	Drawing title 2 WAY MINI FEEDER PILLAR		Checked M.H.C.	Date 20.07.15
			Drawing No. SD/1400/024	

NOTE

1. Refer to standard drawing SD/1400/022 for the label key & SD/1400/030 for the termination key.



T:\West Berkshire\Standard Details\CAO files\SD Street Lighting_Aug8&sep 2015\ SD 1400-025.dwg



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Project

STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawing title

4 WAY MINI FEEDER PILLAR

Drawn

D.C.K

Checked

M.H.C.

Scale

N.T.S

Date

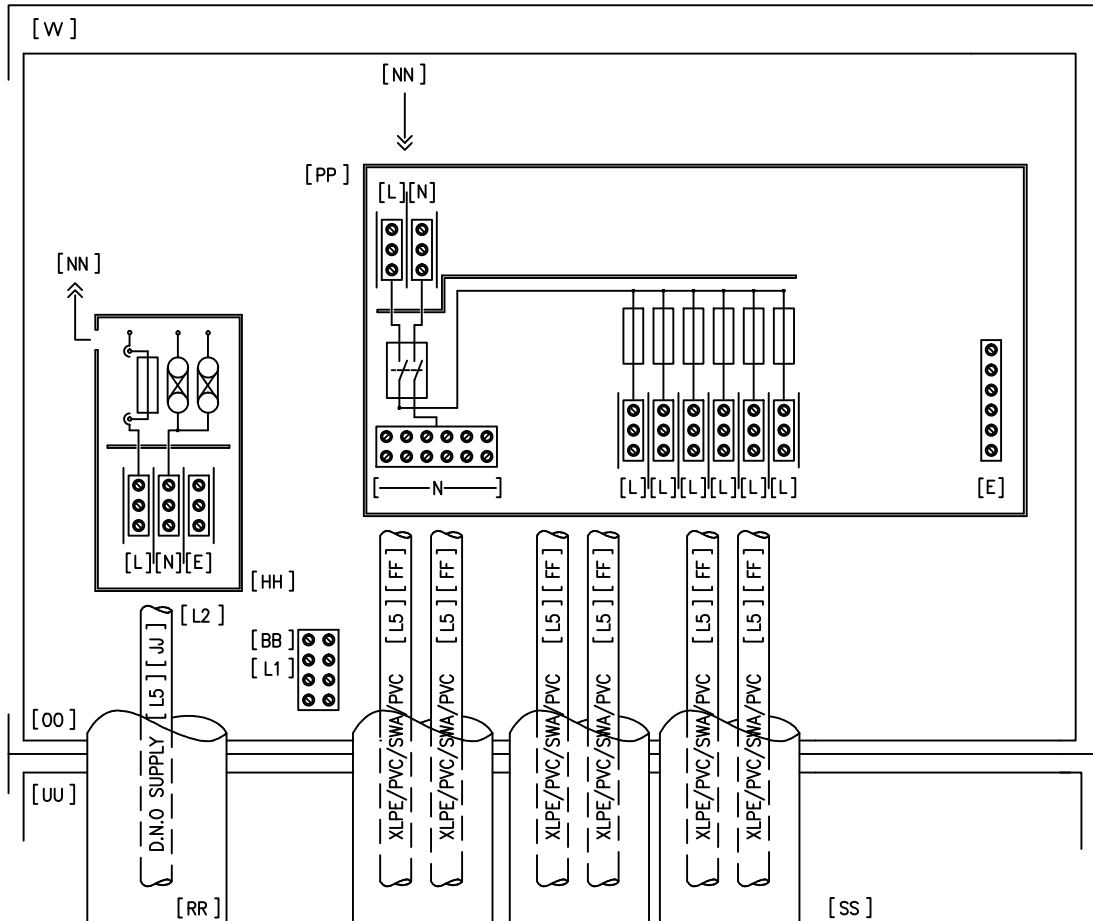
20.07.15

Drawing No.

SD/1400/025

NOTE

1. Refer to standard drawing SD/1400/022 for the label key & SD/1400/030 for the termination key.

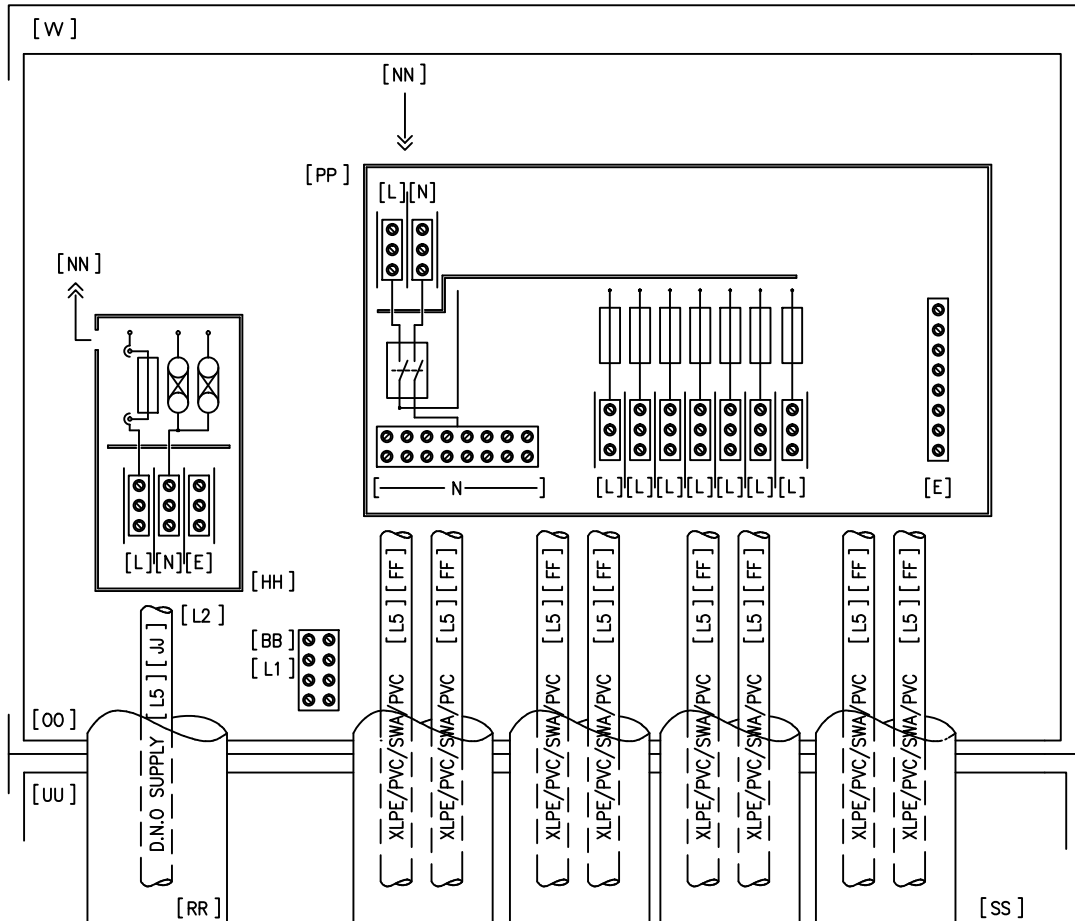


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Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	
	Drawn D.C.K	Scale N.T.S
Drawing title	Checked M.H.C.	Date 20.07.15
	6 WAY MINI FEEDER PILLAR	
Drawing No.		SD/1400/026

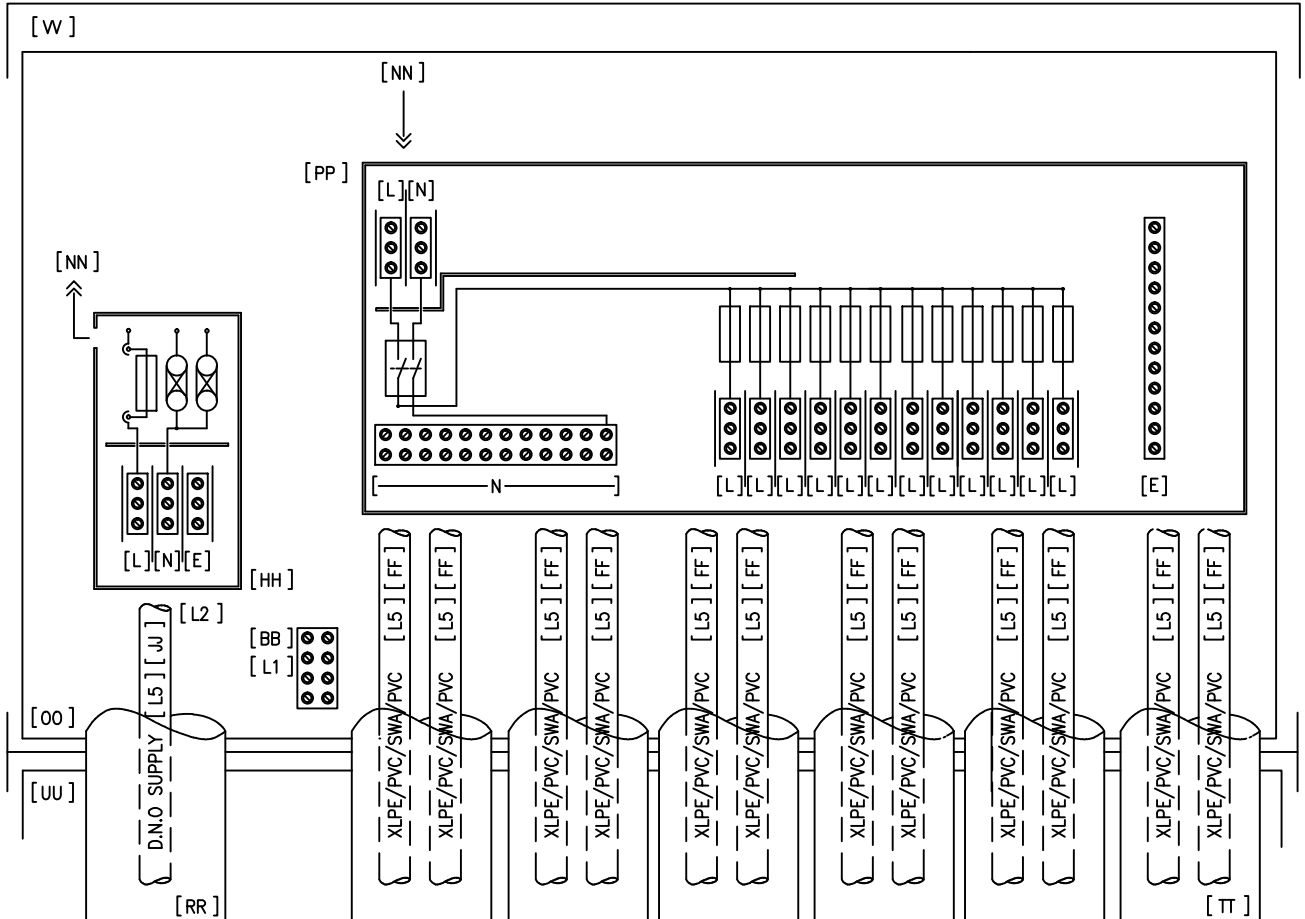
NOTE

1. Refer to standard drawing SD/1400/022 for the label key & SD/1400/030 for the termination key.



NOTE

1. Refer to standard drawing SD/1400/022 for the label key & SD/1400/030 for the termination key.



T:\West Berkshire Standard Details\CAD Files\SD Street Lighting_Aug&Sep 2015_ SD 1400-028.dwg

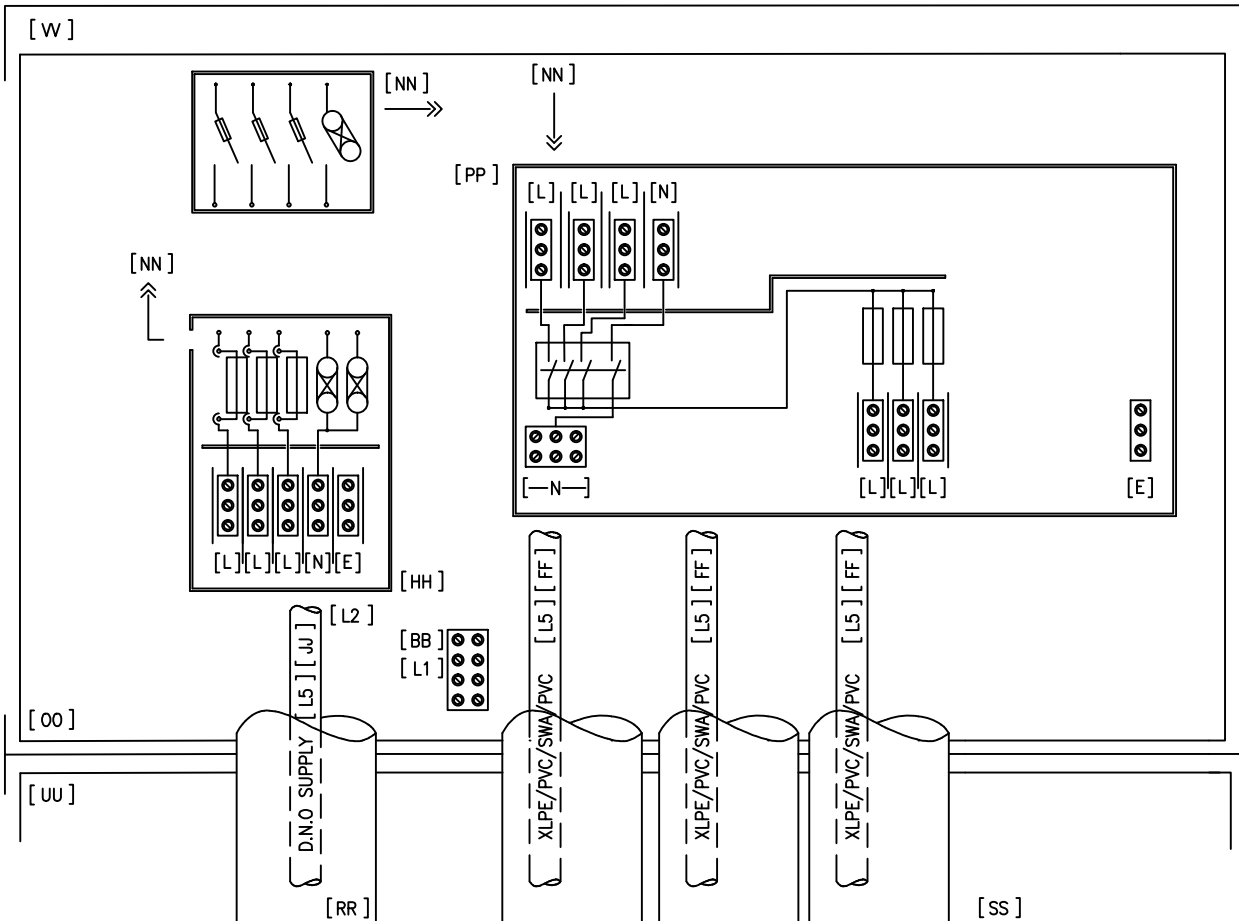


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Project STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	Drawn D.C.K	Scale N.T.S
	Checked M.H.C.	Date 20.07.15
Drawing title 12 WAY MINI FEEDER PILLAR	Drawing No. SD/1400/028	

NOTE

1. Refer to standard drawing SD/1400/022 for the label key & SD/1400/030 for the termination key.



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Project

STANDARD DRAWINGS
STREET LIGHTING & ELECTRICAL

Drawing title

3 PHASE FEEDER PILLAR

Drawn

D.C.K

Checked

M.H.C.

Scale

N.T.S

Date

20.07.15

Drawing No.

SD/1400/029

FEEDER PILLAR KEY

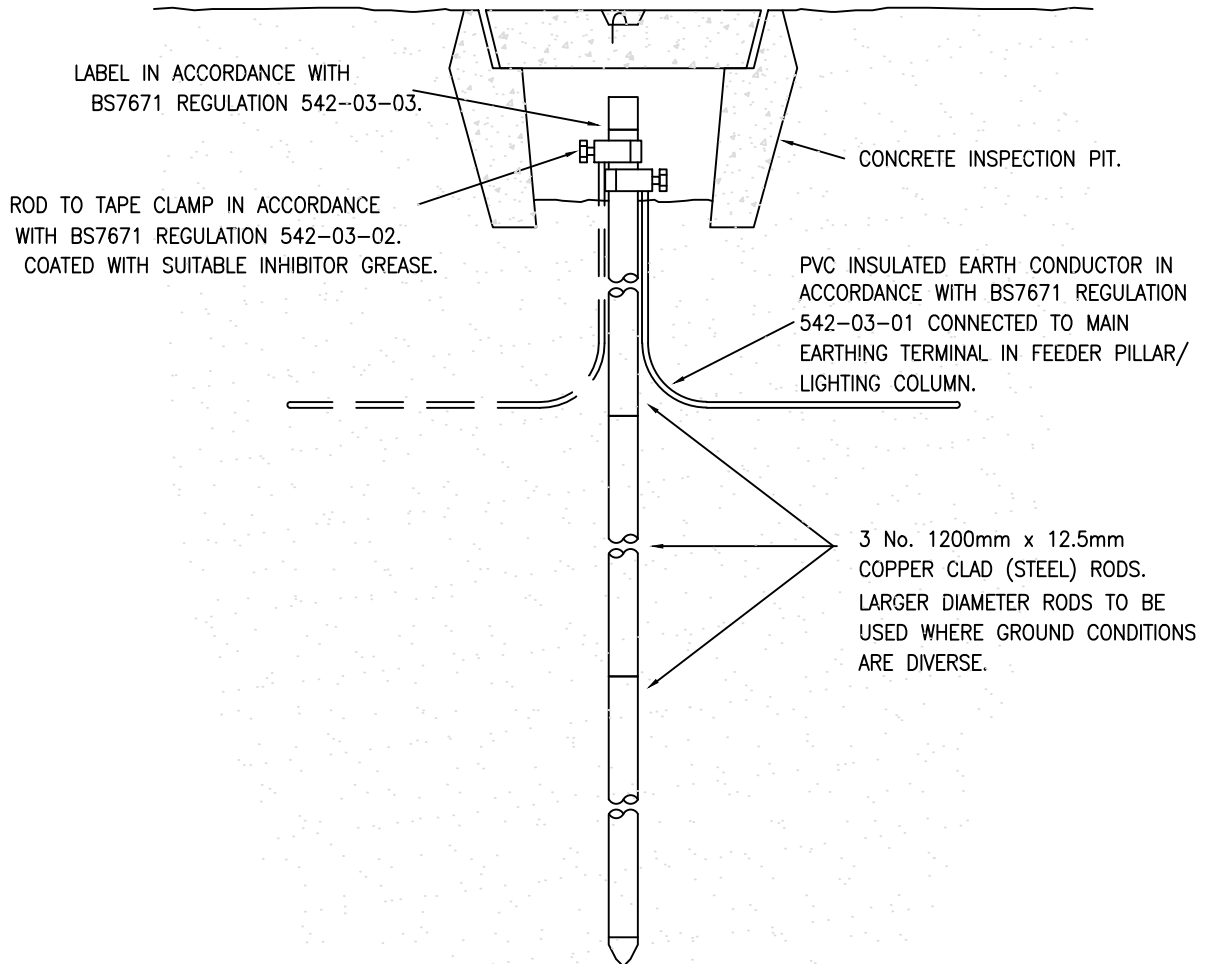
ITEM	DESCRIPTION	CLAUSE
[BB]	4 way brass earth block with individual PVC 6491X green/yellow earth cables bonded to the following components: > Cut-out gland plate(s); > Base compartment door by 4mm ² earth cable; > Base compartment main earth stud; > Distribution Network Operator cut-out. (All earth cables shall be sized in accordance with BS7671)	1420
[FF]	Outgoing private supply cable fused. 6mm sq PVC/PVC 6181Y singles connected to cutout.	1419/1421 1419
[HH]	Distribution Network Operator cut-out.	
[JJ]	Distribution Network Operator supply cable.	
[NN]	16mm sq PVC/PVC 6181Y singles connected to cutout.	
[OO]	Mini pillar backboard.	
[PP]	6 way SP&N distribution board incorporating the following components: > Metal clad case; > Double pole isolation switch; > BS88 fuse links; > Brass cable gland complying with BS6121 type CW required for each outgoing way; > Natural rubber grommet for incoming cables [NN].	
[RR]	1No. 100mm UPVC (black) duct.	
[SS]	3No. 100mm UPVC (orange) ducts.	
[TT]	6No. 100mm UPVC (orange) ducts.	
[UU]	Feeder pillar foundation installed in accordance with the manufacturers details.	
[VV]	Mini pillar incorporating the following components: > 3mm hot dip galvanised casing and door to BS729; > 18mm thick treated exterior grade backboard; > Stainless steel fixing bolts, washers and locks; > Two tri-head locks; > Protective system applied to MCDHW G2a.	

NOTES

1	Ref. [EE], [FF] & [GG] – Cable is to be cleated to the base compartment backboard approx. 200mm below cut-out.
2	Ref. [EE], [FF] & [GG] – Cable type as defined on each termination drawing.
3	Ref. [AA] – A drip loop is to be formed in the cable using a black tie wrap.

NOTE

1. All dimensions are in millimetres unless otherwise stated.



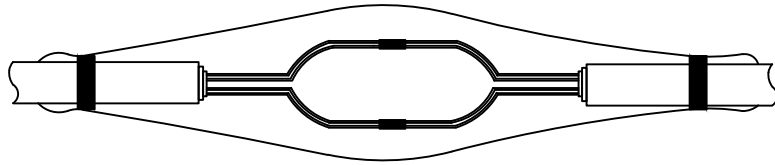
T:\West Berkshire Standard Details\CAD files\SD Street Lighting\Aug&Sep 2015\ SD 1400/031.dwg



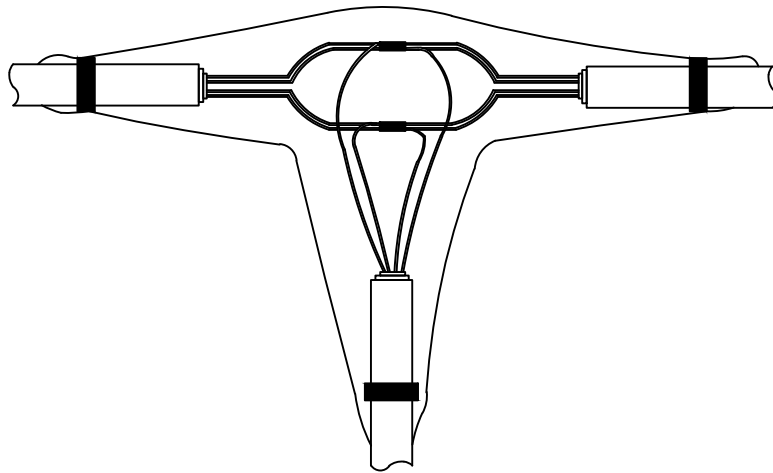
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Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL		Drawn D.C.K	Scale N.T.S
	Drawing title EARTH ELECTRODE		Checked M.H.C.	Date 20.07.15
			Drawing No. SD/1400/031	

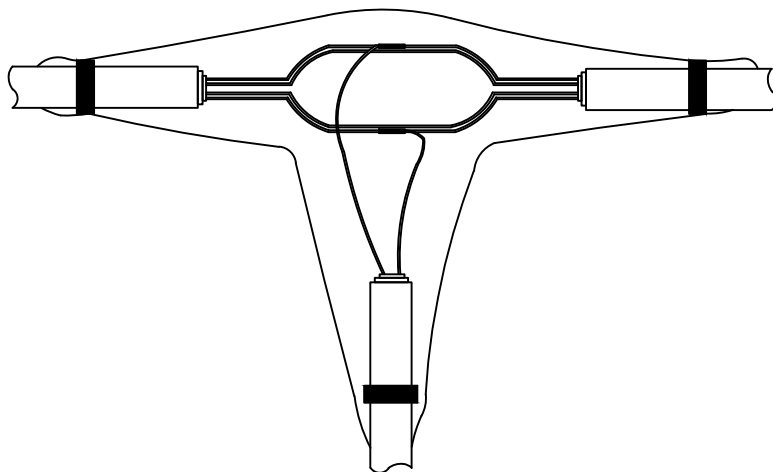
STRAIGHT JOINT



BREECHES JOINT



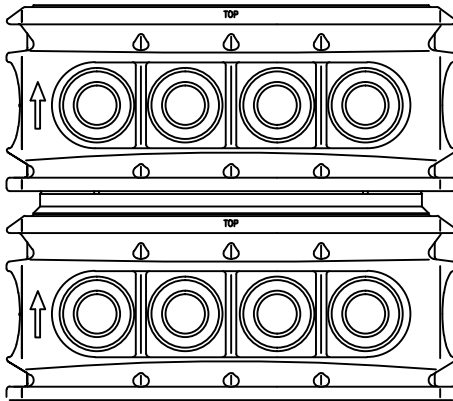
TEE JOINT



NOTE

See standard drawing SD/1400/035 for the chamber cover detail.

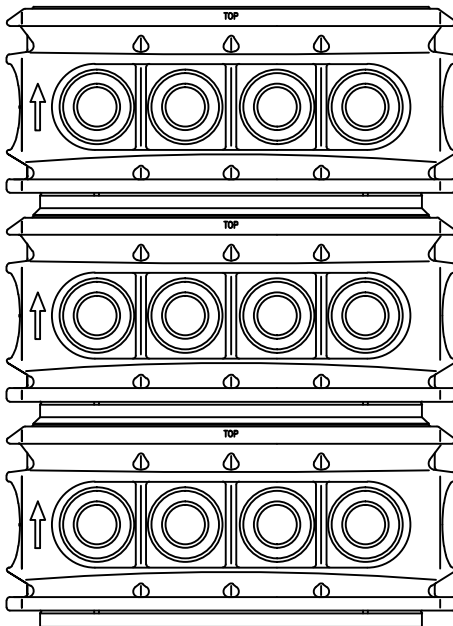
2 STACK CHAMBER



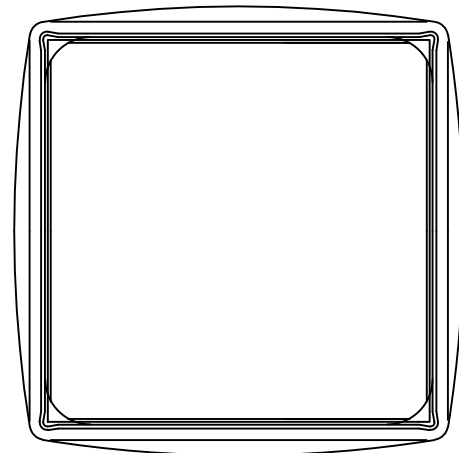
SIDE/END ELEVATION.

Design Group	Dimension (mm)
Type 1	290 x 275
Type 2	450 x 450
Type 3	600 x 450

3 STACK CHAMBER



SIDE/END ELEVATION.



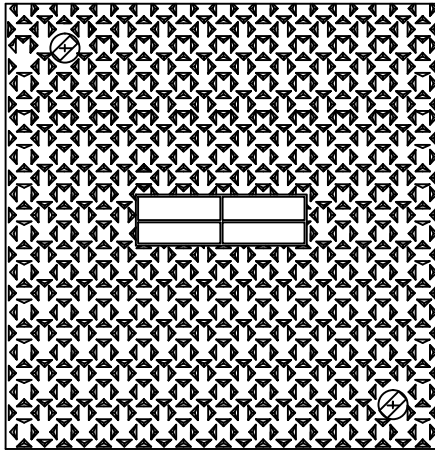
PLAN ELEVATION.

Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL		Drawn D.C.K	Scale N.T.S
	Drawing title CHAMBER DETAIL		Checked M.H.C.	Date 20.07.15
			Drawing No. SD/1400/033	

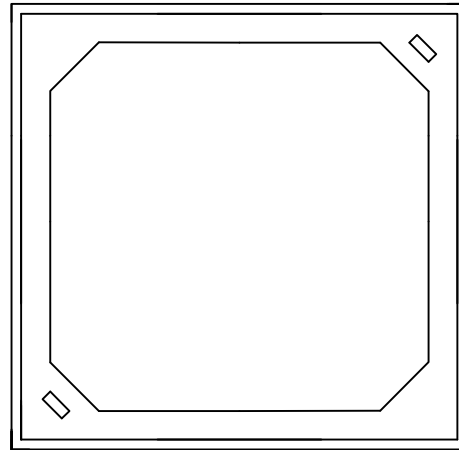
NOTE

See standard drawing
SD/1400/034 for the chamber
detail.

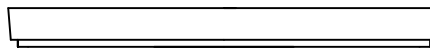
MULTI-DIRECTIONAL ANTI-SLIP COMPOSITE COVER



TOP SIDE



UNDERSIDE



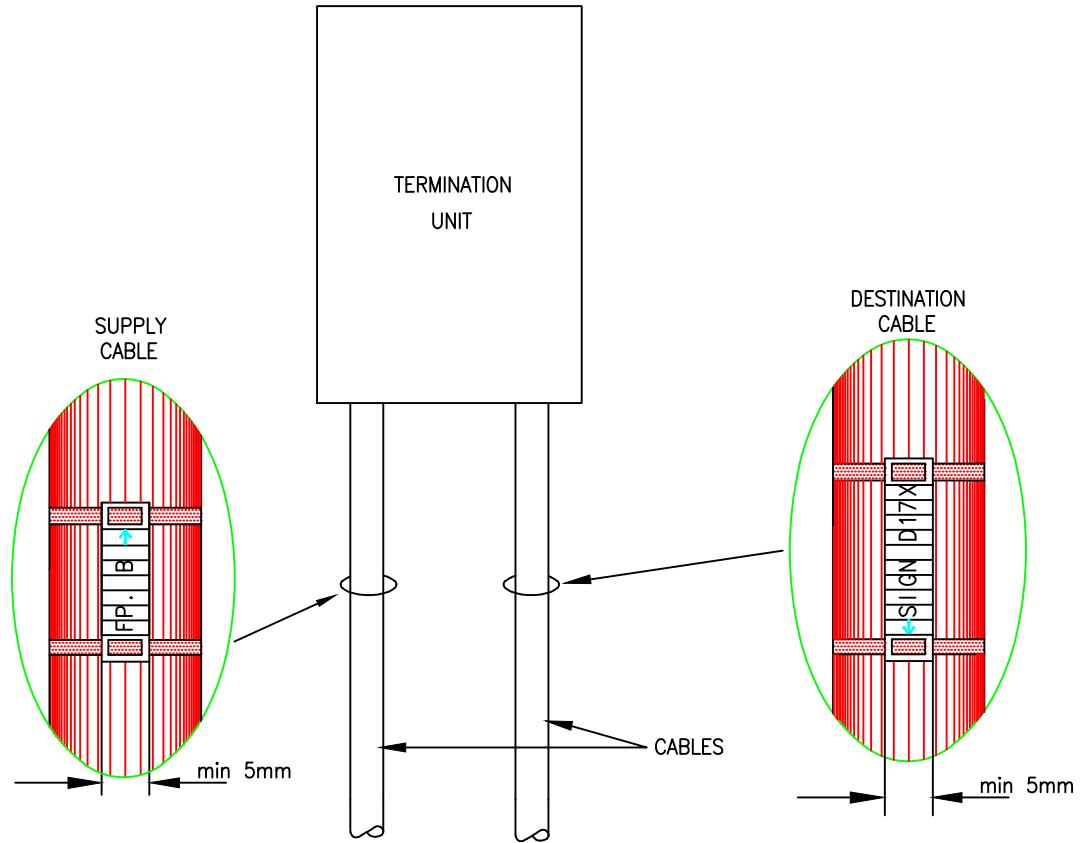
SIDE VIEW

T:\West Berkshire Standard Details\CAD files\SD Street Lighting\Aug&Sep 2015\ SD 1400/034.dwg



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Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL		Drawn D.C.K	Scale N.T.S
	Drawing title CHAMBER COVER		Checked M.H.C.	Date 20.07.15
			Drawing No. SD/1400/034	



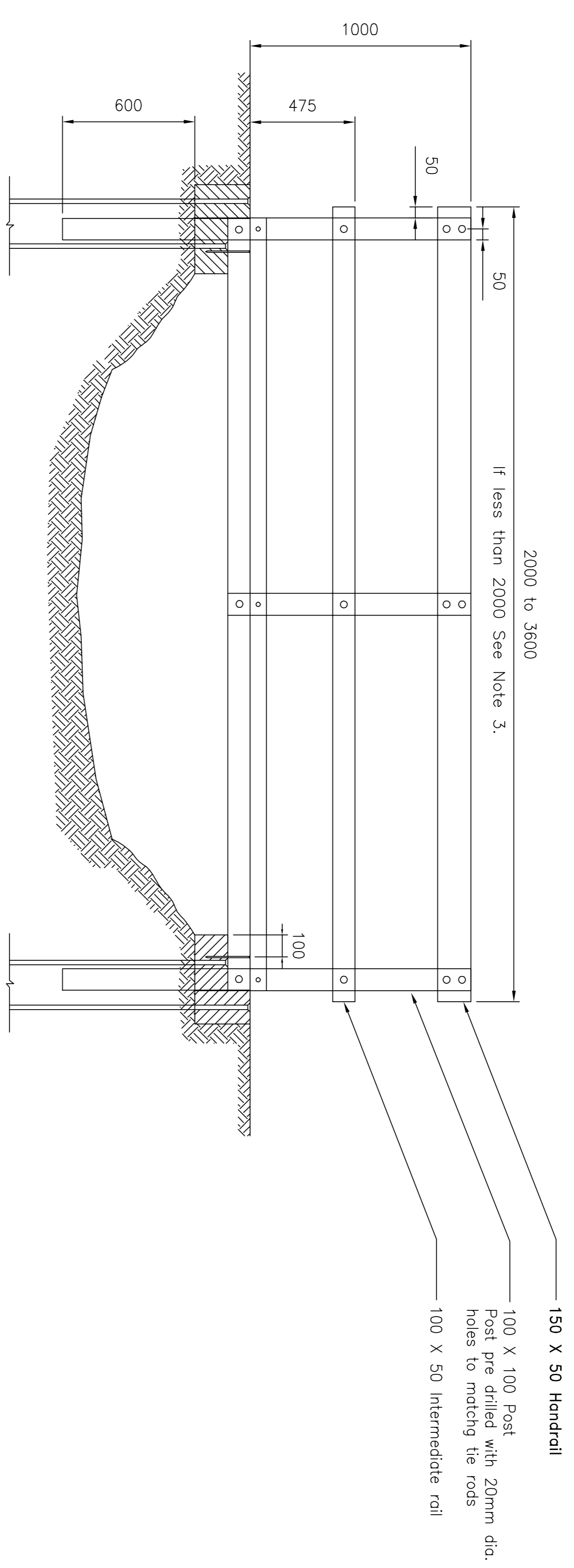
LABELLING NOTES:

1. ALL CABLES SHALL BE MARKED TO INDICATE THE SUPPLY SOURCE/DESTINATION. FINAL DETAILS TO BE SPECIFIED BY THE ENGINEER
2. ALL CABLE MARKERS SHALL BE BLACK ON WHITE BACKGROUND AND SHALL BE MANUFACTURED FROM PLATICIZED PVC AND HELD IN POSITION WITH BLACK PLASTIC TIE WRAP OR SIMILAR APPROVED BY ENGINEER.
3. EACH SOURCE/DESTINATION LABEL SHALL BE A MAXIMUM OF FIFTEEN ALPHANUMERIC CHARACTERS.

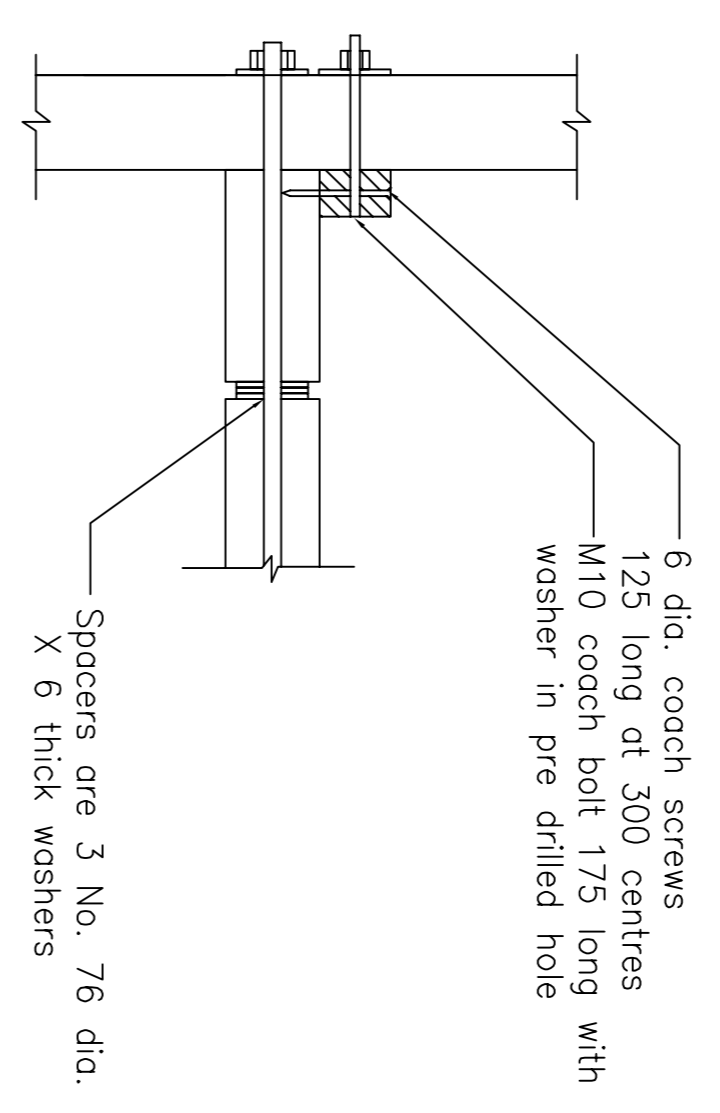
T:\West Berkshire Standard Details\CAD Files\SD Street Lighting_Aug&Sep 2015\ SD_1400-035.dwg

	<p>Highways and Transport Council Offices Market Street Newbury RG14 5LD</p>	Project	STANDARD DRAWINGS STREET LIGHTING & ELECTRICAL	Drawn D.C.K	Scale N.T.S
		Drawing title	SOURCE DESTINATION LABELLING DETAIL	Checked M.H.C.	Date 20.07.15
		Drawing No. SD/1400/035			

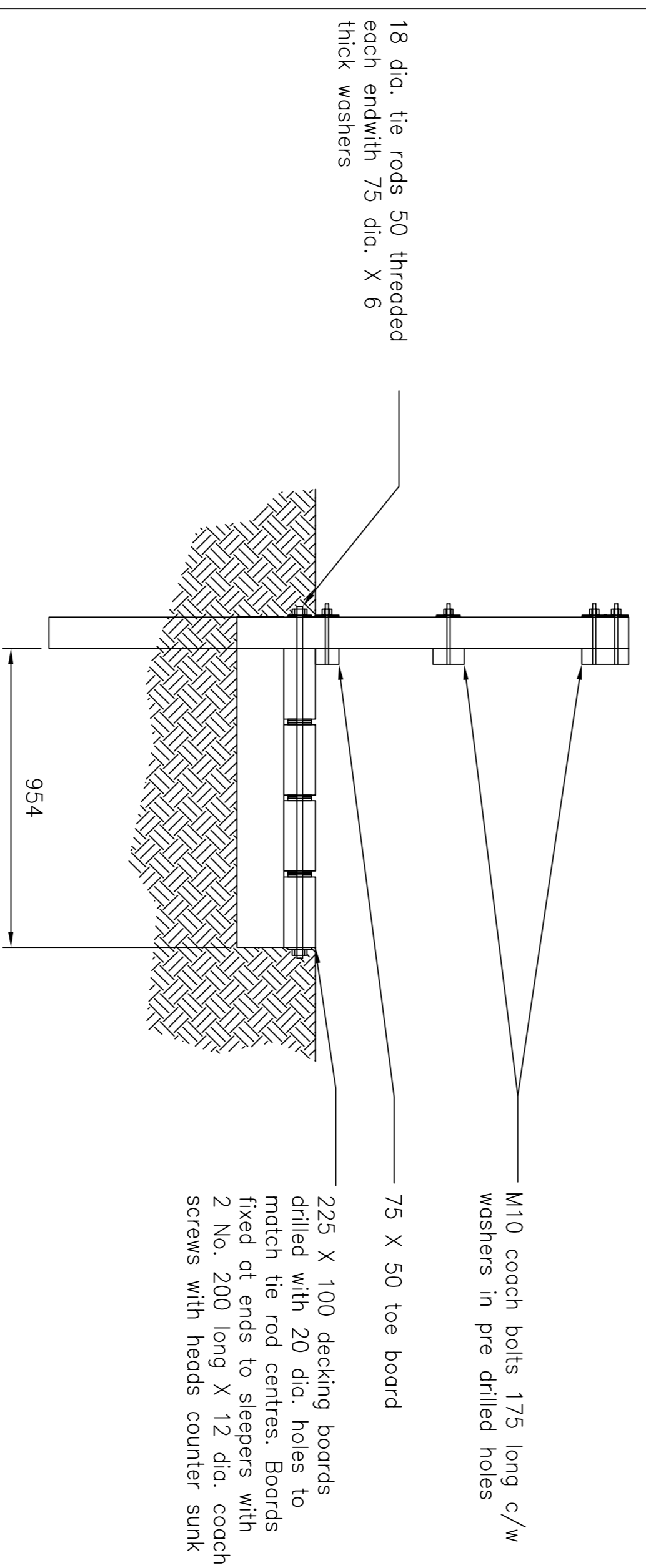
- NOTES**
- 1) All dimensions in millimetres
 - 2) Timber to be strength classification SC5 and tanalised prior to assembly.
 - 3) If span less than 2.0 metres toe board and intermediate post can be omitted
 - 4) Parapet both sides if specified or if bed to deck height exceeds 0.7m



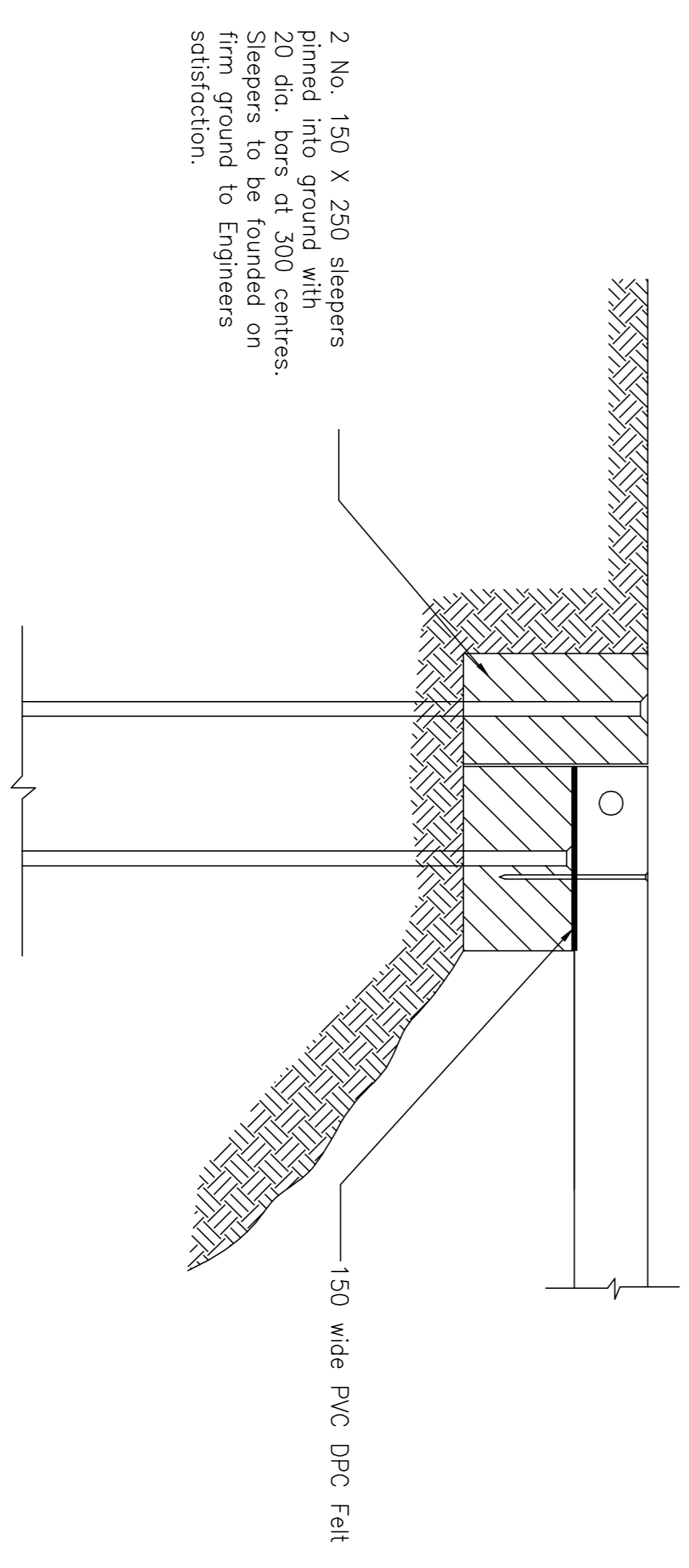
ELEVATION
SCALE 1:20



DETAIL OF TOE BOARD
SCALE 1:10



TYPICAL SECTION
SCALE 1:20



SLEEPER FOUNDATION
SCALE 1:10

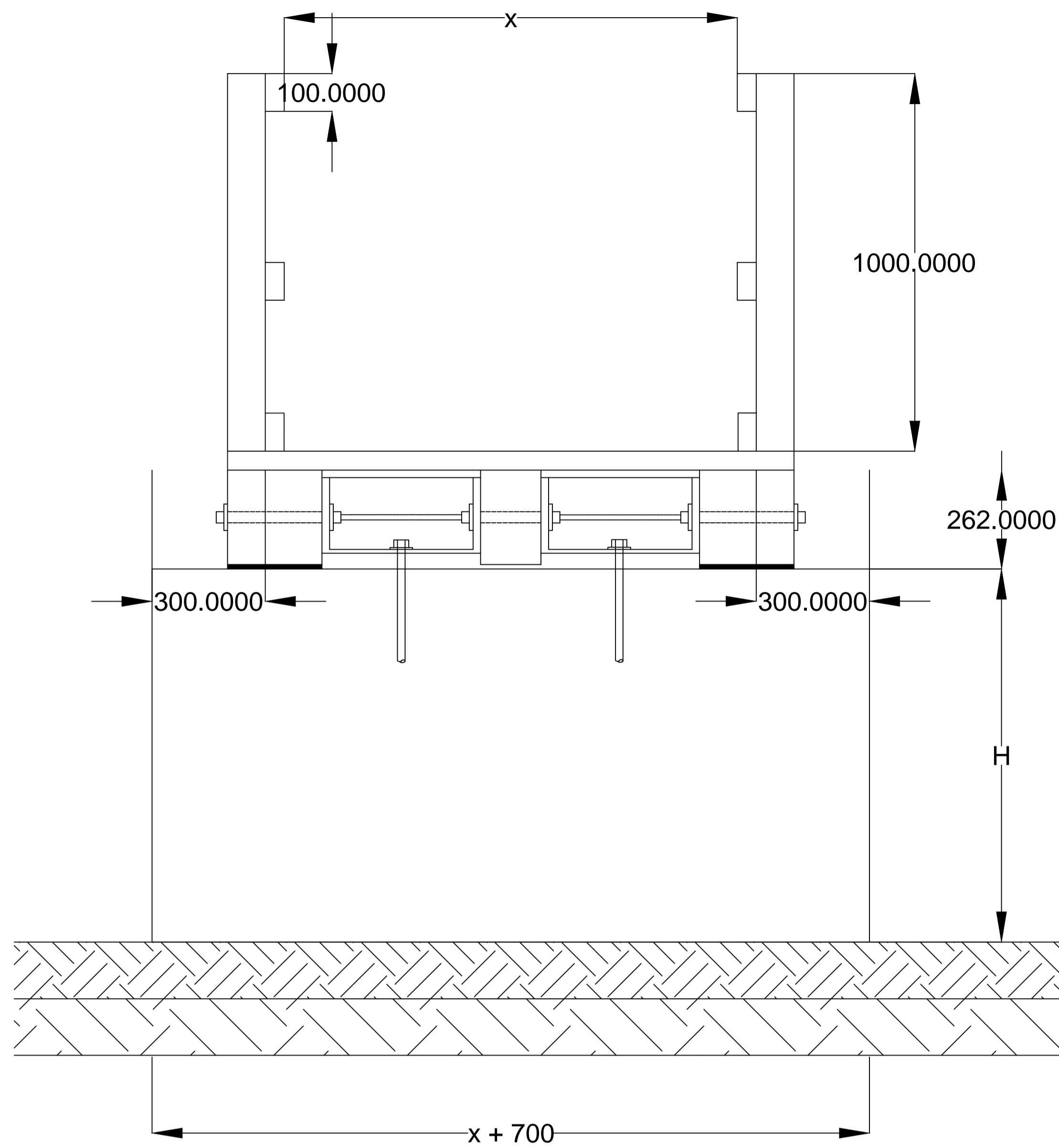
REV	DESCRIPTION	DR	AU	REV DATE
A				
B				

Drawing Title: **STANDARD FOOTBRIDGE UP TO 3.5m**
 Project Title: **STANDARD DRAWINGS**

Drawing Number: **SD/2500/1**

Date: TBC
 Drawn By: DEJ
 Checked By: TBC
 Paper Size: A1
 Drawing Scale: NTS

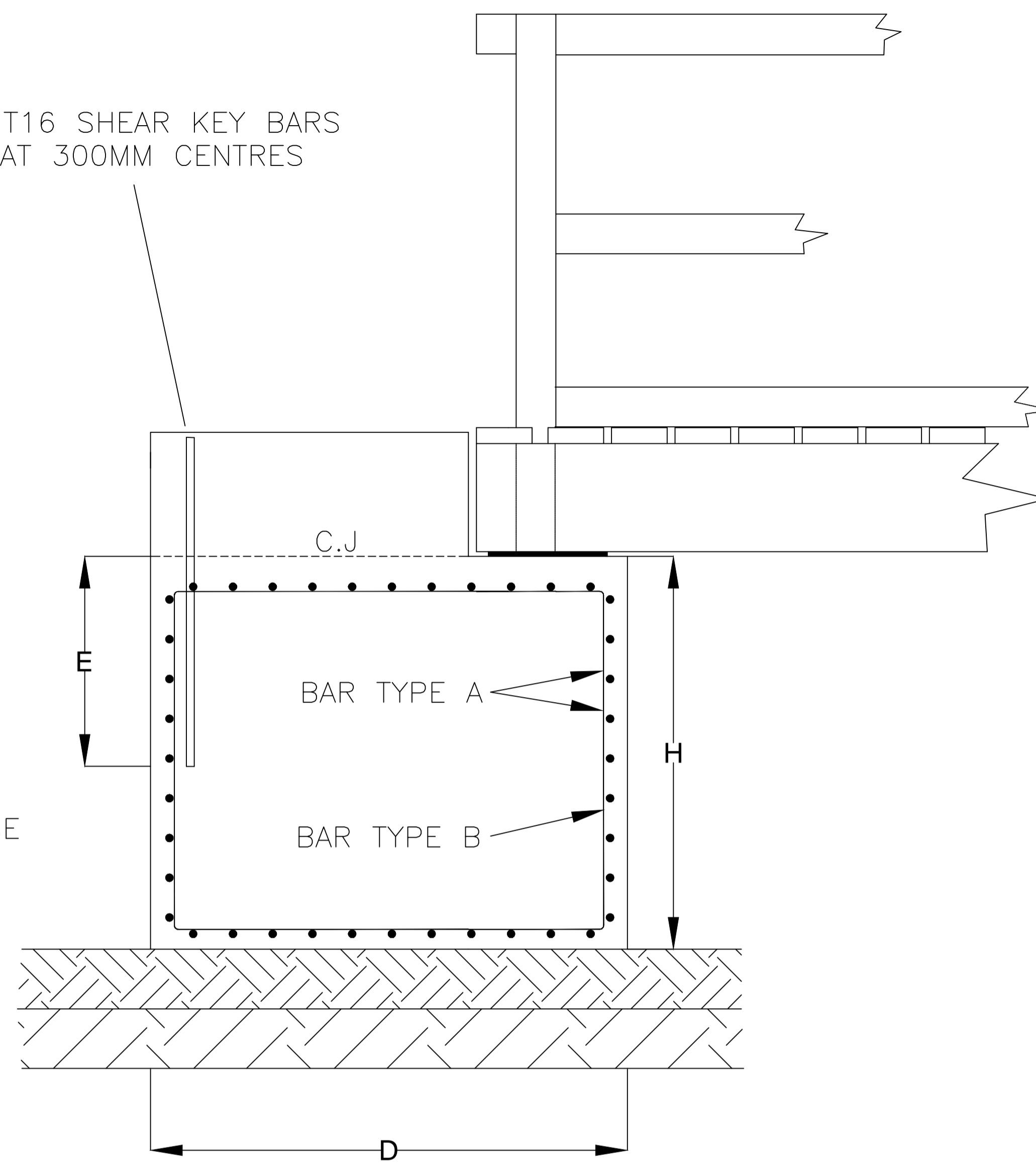
Project Title: **West Berkshire**
 Highways and Transport | Council Offices
 Market Street | Newbury | RG14 5LD



ELEVATION ON ABUTMENT
SCALE 1:25

T16 SHEAR KEY BARS
AT 300MM CENTRES

MIN 150 THK. WELL
COMPACTED TYPE 1
GRANULAR FILL SUB BASE



SECTION THRU' ABUTMENT
SCALE 1:25

NOTES

- 1) All beams are to be the sizes and quantity shown in table on drawing 2
- 2) Spacers to be fabricated to dimensions shown on drawing 2
- 3) All beams to be drilled with 25mm dia. Holes to match post and tie rod centres.
- 4) Tie rods to be 20mm dia. Mild steel threaded. 50mm each end with 76 dia x 6mm thick washer.
- 5) H.D bolts to be 20mm dia. Mild steel, 300mm long and are to be grouted into pockets formed in the abutments.
- 6) Timber posts to be 100mm x 100mm, shaped at top. Holes to be drilled for 20mm dia. Tie rod.
- 7) The decking will consist of 150mm x 50mm deck boards laid with 16mm nominal gaps. installation procedure to commence with two boards centred around each post and remaining boards to be evenly spaced between posts.
- 8) Boards will be fixed to each beam with No. 8g x 100mm drive nails into pre-drilled skew holes 3mm dia x 90 mm deep maximum.
- 9) Top hand rail to be 100mm x 50mm in continuous lengths screwed with 2 No 12mm x 90mm long steel screws to each post in pre-drilled holes. Joints in rails are to be half checked at each post and only one rail is to be jointed at any one post.
- 10) All timber to be softwood grade GS or MGS, strength classification SC3 (Larch or Scots Pine) to BS 5268 pt 2.
- 11) All timber to be tanalised prior to assembly i.e impregnated with water borne salts of copper/chrome/arsenic type as defined in BS 4072 section 2 and effected by the appropriate vacuum and pressure method.
- 12) Site cutting, checking and boring to be kept to a minimum. All such exposed areas to be treated with preservative, preferably by immersion.
- 13) Bearing pads should be 12mm thick natural rubber or built up from damp course to BS 743.
- 14) All steel to have a galvanised finish.
- 15) Bolts and threaded rod are all to be electro plated with zinc, all nails and woodscrews are to be galvanised.
- 16) Use bulldog washers between beams and posts and posts and rails.

ABUTMENT DETAILS

	WIDTH (X)		ABUTMENT HEIGHT (H)	ABUTMENT DEPTH (D)	SHEAR KEY BAR EMBEDMENT (E)	REINFORCEMENT BAR TYPE A	REINFORCEMENT BAR TYPE B
	1500	1200					
SPAN	6.0M	8.0M	500MM	500MM	400MM	N/A	N/A
			1000MM	750MM	500MM	T12 @ 125c /c	T12 @ 125c /c
			1500MM	1200MM	500MM	T12 @ 150c /c	T16 @ 150c /c
	8.5M	9.5M	500MM	550MM	400MM	N/A	N/A
			1000MM	1200MM	500MM	T12 @ 150c /c	T16 @ 150c /c
			1500MM	1700MM	500MM	T12 @ 150c /c	T20 @ 150c /c

THESE SPANS APPLY TO STRUCTURES IN RURAL AREAS WITH STANDARD PEDESTRIAN LOADING ONLY OF 5.0 KN/M/20

B			
A			
REV	DESCRIPTION	DR	AU
Status			REV DATE



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Market Street | Newbury | RG14 5LD

Project Title

STANDARD DRAWINGS

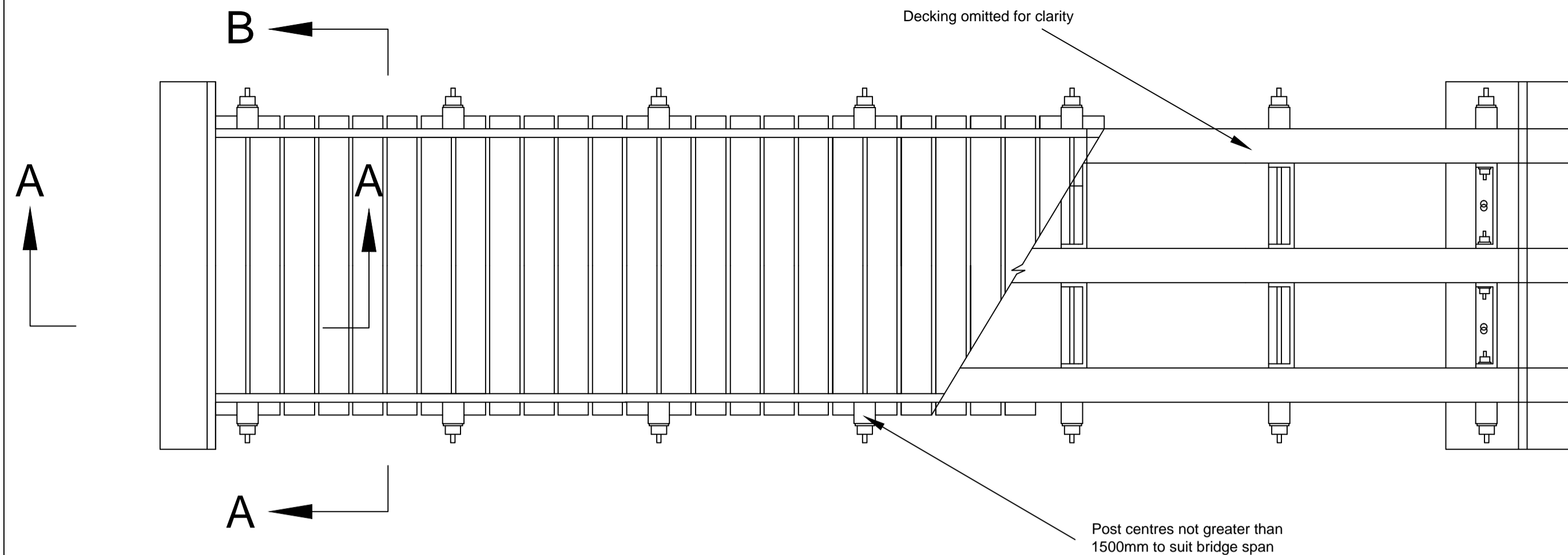
Drawing Title

FOUNDATION DRAWINGS

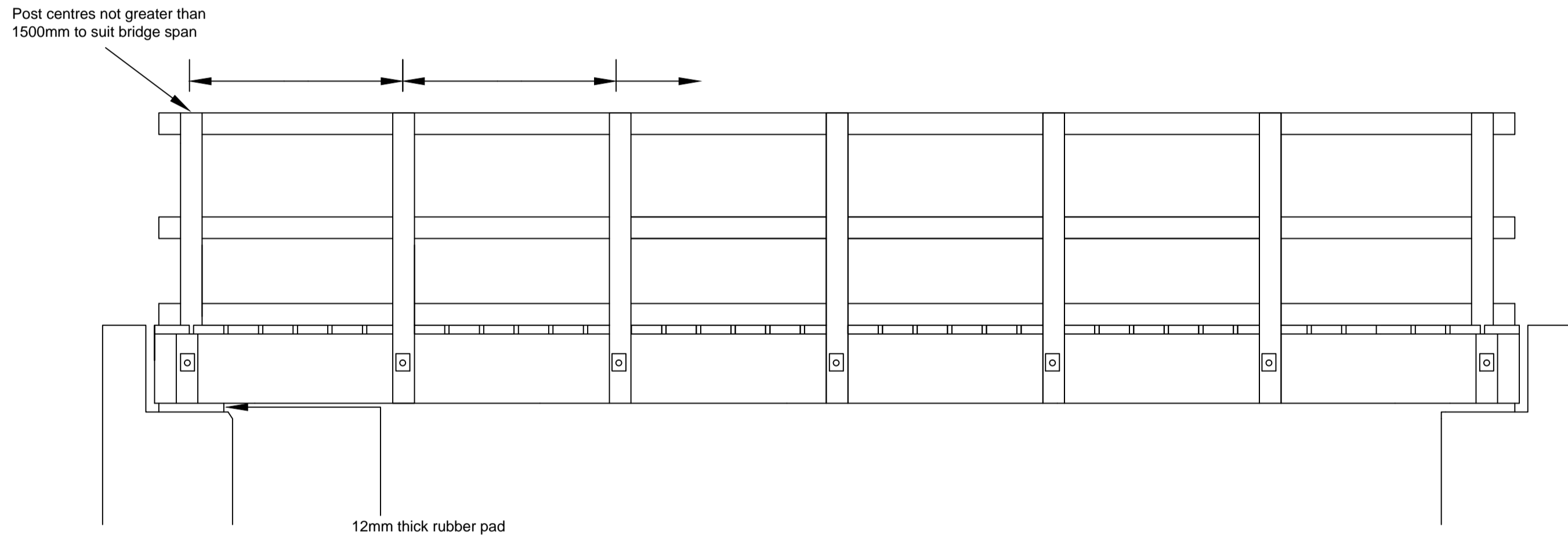
Date	Drawn By	Checked By	Paper Size	Drawing Scale
TBC	DEJ	TBC	A1	NTS
Drawing Number	Revision			

SD/2500/2

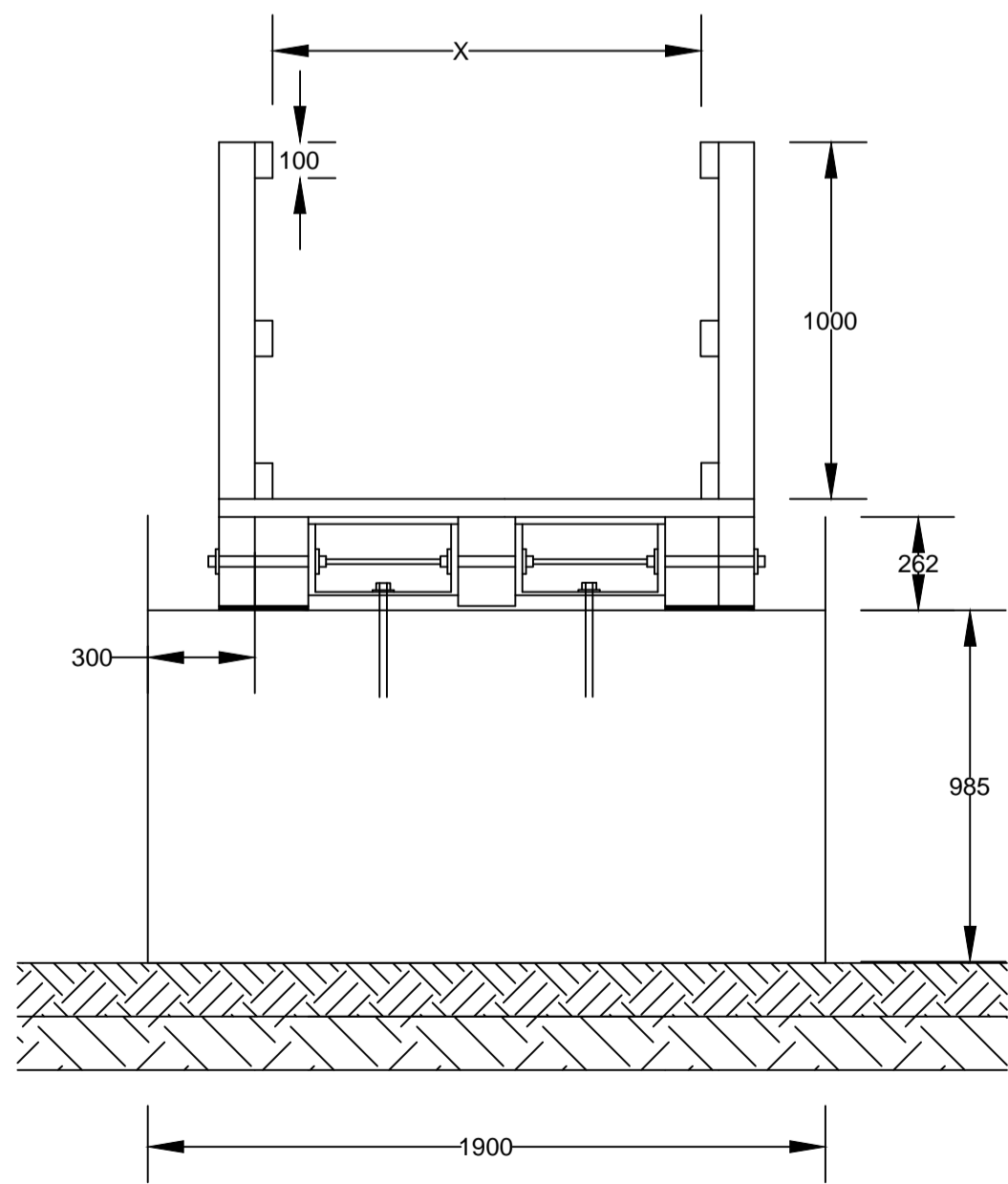
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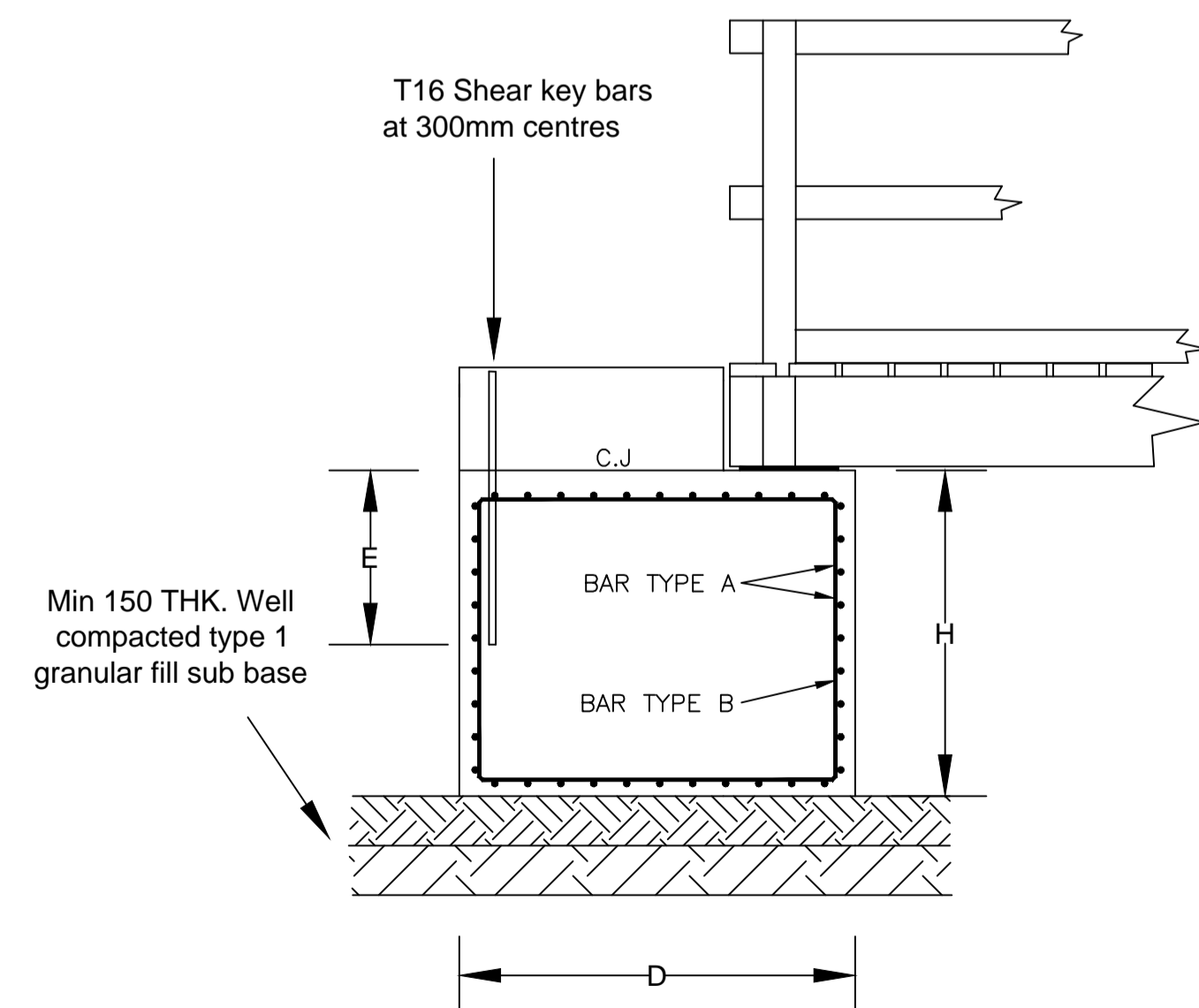
PLAN
Scale 1 : 20



ELEVATION
Scale 1 : 20



SECTION THROUGH ABUTMENT B - B
Scale 1 : 20



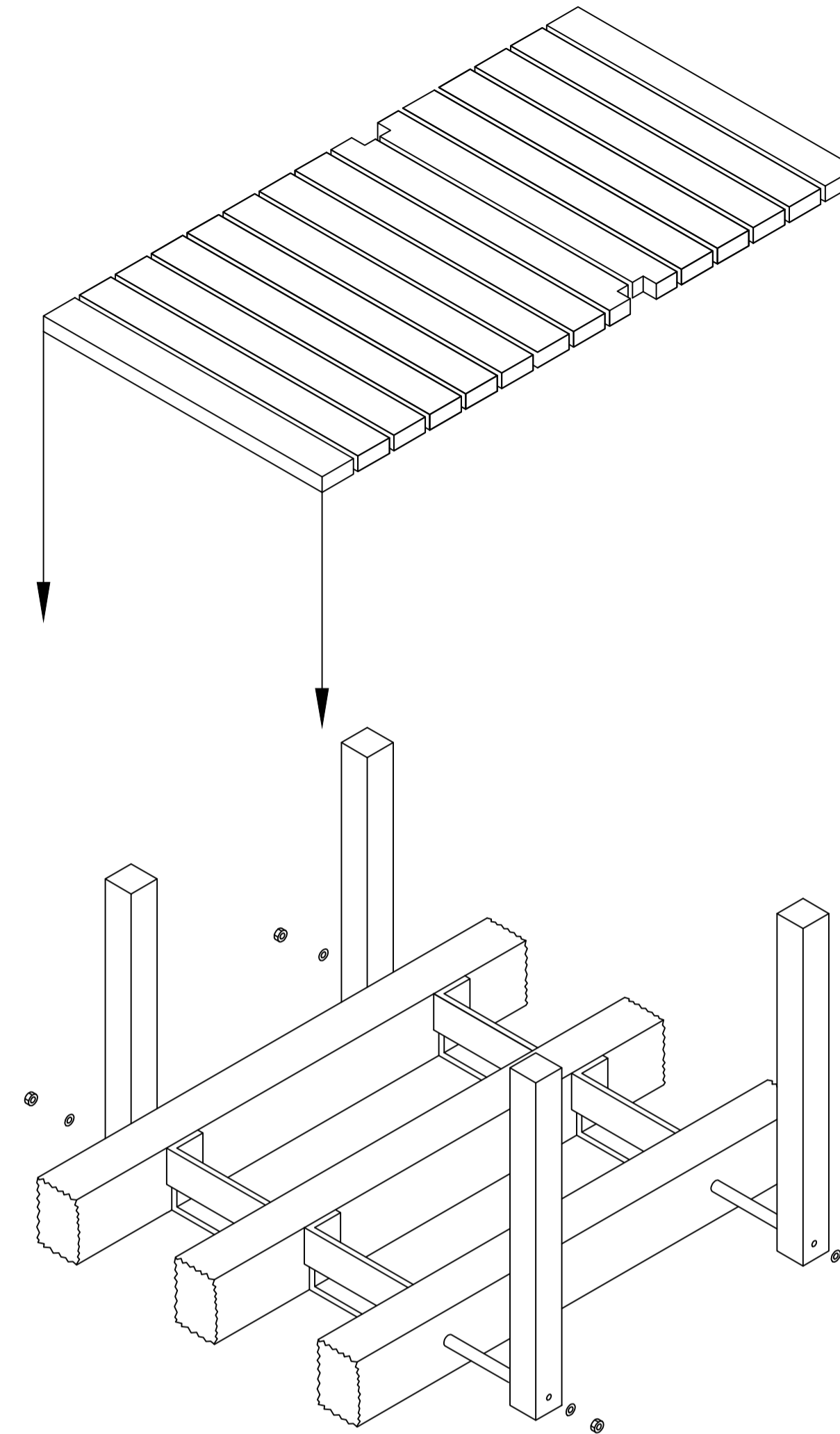
SECTION THROUGH ABUTMENT A - A
Scale 1 : 20

ALL DIMENSIONS IN MILLIMETRES

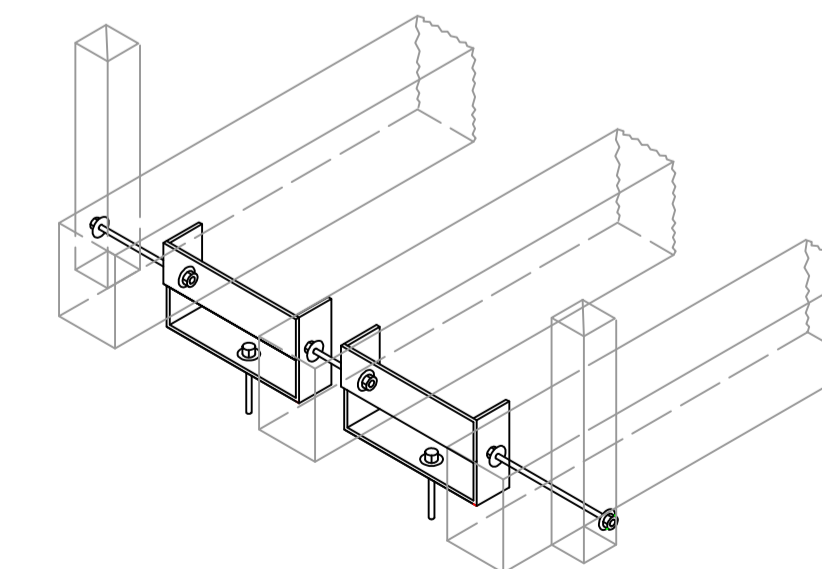
Beam Sizes	1200 & 1500 Wide Deck	
	No of Beams	Beam lengths upto
150 x 75 mm	3	2.75m
200 x 100 mm	3	4.0m
250 x 150 mm	3	5.75m
250 x 200 mm	3	7.5m
300 x 225 mm	3	8.0m
350 x 250 mm	3	9.6m

ABUTMENT DETAILS							
SPAN	WIDTH (X)		ABUTMENT HEIGHT (H)	ABUTMENT DEPTH (D)	SHEAR KEY BAR EMBEDMENT (E)	REINFORCEMENT BAR TYPE A	REINFORCEMENT BAR TYPE B
	6.0m	8.0m	500mm	500mm	400mm	N/A	N/A
1000mm			750mm	500mm	T12 @ 125c /c	T12 @ 125c /c	
1500mm			1200mm	500mm	T12 @ 150c /c	T16 @ 150c /c	
8.5m	9.5m	500mm	550mm	400mm	N/A	N/A	
		1000mm	1200mm	500mm	T12 @ 150c /c	T16 @ 150c /c	
		1500mm	1700mm	500mm	T12 @ 150c /c	T20 @ 150c /c	

THESE SPANS APPLY TO STRUCTURES IN RURAL AREAS WITH STANDARD PEDESTRIAN LOADING ONLY OF 5.0 KN/M²20



ASSEMBLY ARRANGEMENT
Scale 1 : 20



ABUTMENT DETAIL
Scale 1 : 10

NOTES

- All dimensions in millimeters
- Ballast wall to be constructed after main foundation
- C.J = Construction Joint
- All beams are to be the sizes and quantity shown in table on drawing
- Spacers to be fabricated to dimensions shown on drawing 2
- All beams to be drilled with 25mm dia. Holes to match post and tie rod centres.
- Tie rods to be 20mm dia. Mild steel threaded. 50mm each end with 6 dia x 6mm thick washer.
- H.D bolts to be 20mm dia. Mild steel, 300mm long and are to be grouted into pockets formed in the abutments.
- Timber posts to be 100mm x 100mm, shaped at top. Holes to be drilled for 20mm dia. Tie rod.
- The decking will consist of 150mm x 50mm deck boards laid with 16mm nominal gaps. installation procedure to commence with two boards centred around each post and remaining boards to be evenly spaced between posts.
- Boards will be fixed to each beam with No. 8g x 100mm drive nails into pre-drilled skew holes 3mm dia x 90 mm deep maximum.
- Top hand rail to be 100mm x 50mm in continuous lengths screwed with 2 No 12mm x 90mm long steel screws to each post in pre-drilled holes. Joints in rails are to be half checked at each post and only one rail is to be jointed at any one post.
- All timber to be softwood grade GS or MGS, strength classification SC3 (Larch or Scots Pine) to BS 5268 pt 2.
- All timber to be tanalised prior to assembly i.e impregnated with water borne salts of copper/chrome/arsenic type as defined in BS 4072 section 2 and effected by the appropriate vacuum and pressure method.
- Site cutting, checking and boring to be kept to a minimum. All such exposed areas to be treated with preservative, preferably by immersion.
- Bearing pads should be 12mm thick natural rubber or built up from damp course to BS 743.
- All steel to have a galvanised finish.
- Bolts and threaded rod are all to be electro plated with zinc, all nails and woodscrews are to be galvanised.
- Use bulldog washers between beams and posts and posts and rails.

REV	DESCRIPTION	DR	AU	REV DATE
B				
A				



Highways and Transport | Council Offices
Market Street | Newbury | RG14 5LD

STANDARD FOOTBRIDGE
UP TO 9.5m

STANDARD DRAWINGS

Date	Drawn By	Checked By	Paper Size	Drawing Scale
TBC	DEJ	TBC	NTS	

SD/2500/3