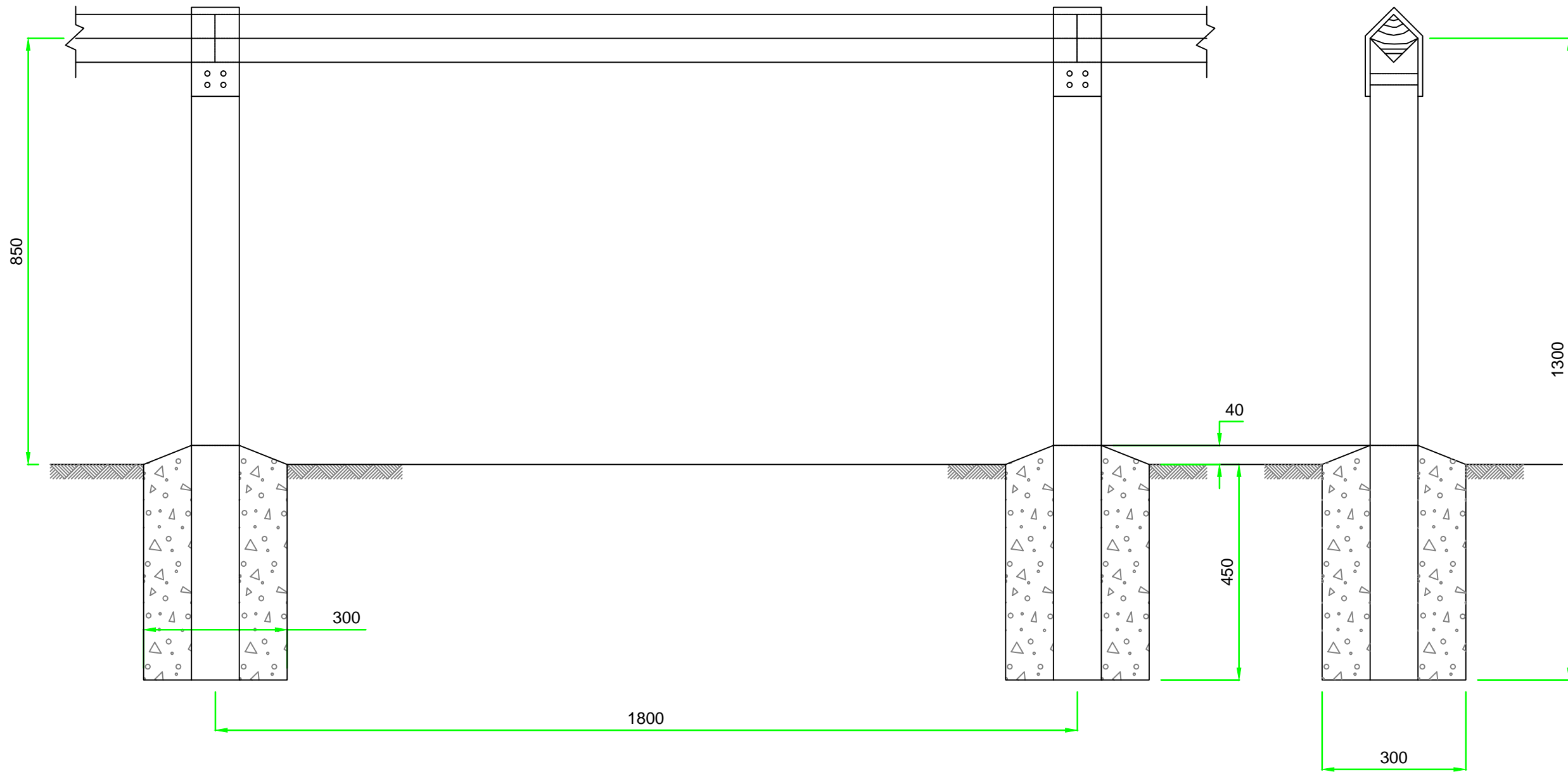


Drawing No.	Drawing Title
ECC-SD-0300-001	TIMBER PEDESTRIAN GUARD RAILING
ECC-SD-0300-002	POST AND TUBULAR RAIL FENCE
ECC-SD-0300-003	RANCH TYPE FENCING 3 RAIL 0.9 METRES HIGH
ECC-SD-0300-004	FIVE STRAND WIRE FENCE 1.5 METRES HIGH
ECC-SD-0300-005	PEDESTRIAN BARRIER TYPE A
ECC-SD-0300-006	PEDESTRIAN BARRIER TYPE B
ECC-SD-0300-007	MOTORBIKE INHIBITOR
ECC-SD-0300-008	TIMBER STANDARD KISSING GATE TYPE B
ECC-SD-0300-009	STEEL STANDARD KISSING GATE MEDIUM MOBILITY (STOCK PROOF TWO WAYS)
ECC-SD-0300-010	TIMBER KISSING GATE TYPE 2
ECC-SD-0300-011	TIMBER KISSING GATE TYPE 3 (ACCESSIBLE FOR WHEELCHAIR USERS)
ECC-SD-0300-012	WIDE TIMBER STILE TYPE 4
ECC-SD-0300-013	TIMBER STILE TYPE 5
ECC-SD-0300-014	TIMBER STILE WITH BENCH SEAT TOP TYPE 6
ECC-SD-0300-015	STEEL PEDESTRIAN GATE
ECC-SD-0300-016	PEDESTRIAN STEPS IN SIDE SLOPES
ECC-SD-0300-017	PEDESTRIAN GUARD RAIL SHALLOW INFIL PANEL
ECC-SD-0500-001	SINGLE GULLIES
ECC-SD-0500-002	SUMPLESS / CHUTE GULLY
ECC-SD-0500-003	DOUBLE GULLY
ECC-SD-0500-004	SINGLE GULLIES (BRICK)
ECC-SD-0500-005	KERB OUTLET IN DROPPED CROSSING
ECC-SD-0500-006	YARD GULLY
ECC-SD-0500-007	BRICK CHAMBER
ECC-SD-0500-008	PRECAST CONCRETE CATCHPIT (PIPES 1200 MAX DIA 0-3000 DEPTH) TYPE 20 CHAMBER
ECC-SD-0500-009	PRECAST CONCRETE SOAKAWAY
ECC-SD-0500-010	SMALL HEADWALL <1.5m - BRICK
ECC-SD-0500-011	SMALL HEADWALL <1.5m - CAST INSITU
ECC-SD-0500-012	SMALL HEADWALL <1.5m - GABION BASKET
ECC-SD-0500-013	SMALL HEADWALL <1.5m - CONCRETE BAG
ECC-SD-0500-014	DUCTING DETAILS UNDER CARRIAGEWAY & FOOTWAY
ECC-SD-0500-015	INSPECTION CHAMBER
ECC-SD-0500-016	CARRIAGEWAY LOOP KERB DETAIL

Drawing No.	Drawing Title
ECC-SD-0500-017	NAL POLE RETENTION SOCKET RS115 (DUCKFOOT)
ECC-SD-0500-018	ELECTRICITY SUPPLY MINI PILLAR
ECC-SD-0500-019	NAL TRAFFIC SIGNAL CONTROLLER FOUNDATION
ECC-SD-0700-001	TYPE G ESTATE ROAD
ECC-SD-0700-002	TYPE G ESTATE ROAD MEWS COURT SECTION
ECC-SD-0700-003	JOINT REPAIRS
ECC-SD-0700-004	SURFACE DETAILS
ECC-SD-0700-005	TRAFFIC CALMING DETAILS - ROUND TOP & SINUSOIDAL ROAD HUMPS
ECC-SD-0700-006	TRAFFIC CALMING DETAILS - FLAT TOP ROAD HUMPS
ECC-SD-0700-007	TRAFFIC CALMING DETAILS - CUSHIONS
ECC-SD-0700-008	EDGE HAUNCH
ECC-SD-0700-009	OVERRUN AREAS
ECC-SD-0700-010	PAVED CHEVRONS TO ROUNDABOUTS (2m WIDE TRAVERSABLE STRIP)
ECC-SD-0700-011	PAVED AREA TYPE F
ECC-SD-0700-012	COVER & FRAME SURROUND IN BLOCK PAVED CARRIAGEWAY (HIGH PERFORMANCE MORTAR)
ECC-SD-1100-001	KERB AND EDGING DETAILS
ECC-SD-1100-002	EDGE OF PAVEMENT DETAIL - AWAY FROM CWAY & FWAY
ECC-SD-1100-003	TIMBER EDGING TYPE EFT
ECC-SD-1100-004	PRECAST PAVING SLAB ON EDGE
ECC-SD-1100-005	SHARED VEHICLE CROSSING
ECC-SD-1100-006	PEDESTRIAN DETERENT PAVING DETAILS
ECC-SD-1100-007	PEDESTRIAN REFUGE DETAILS
ECC-SD-1100-008	TREE PIT DETAIL
ECC-SD-1100-009	TACTILE PAVING AND FOOTWAY CONSTRUCTION DETAILS
ECC-SD-1100-010	CYCLEWAY PAVING CONSTRUCTION DETAILS
ECC-SD-1200-001	STEEL PUBLIC FOOTPATH POST
ECC-SD-1200-002	FINGER POST SIGN PLATES
ECC-SD-1200-003	BRIDLEWAY SIGN & POST
ECC-SD-1200-004	TIMBER PUBLIC FLAG POST MULTIPLE FLAGS
ECC-SD-1200-005	WAYMARK POST
ECC-SD-1200-006	TIMBER PUBLIC FOOTPTH POST
ECC-SD-1200-007	FOOTPATH SIGNS AND DISCS
ECC-SD-1300-001	STANDARD COLUMN

Drawing No.	Drawing Title
ECC-SD-1300-002	MID HINGED COLUMN
ECC-SD-1300-003	PLANTED COLUMN FOUNDATION
ECC-SD-1300-004	TREE & VEGETATION TRIMMING
ECC-SD-1300-005	COLUMN MAINTENANCE NUMBER, LOCATION & ORIENTATION
ECC-SD-1300-006	COLUMN DOOR ORIENTATION
ECC-SD-1300-007	ZEBRA CROSSING MID POST BEACON
ECC-SD-1300-008	ZEBRA CROSSING BRACKET MOUNTED BEACON
ECC-SD-1300-009	ZEBRA CROSSING COMBINED REFUGE BEACON
ECC-SD-1300-010	ZEBRA CROSSING BEACON ONLY
ECC-SD-1300-011	REFUGE COLUMN & BEACON
ECC-SD-1300-012	LAMP COLUMN HARD STANDING
ECC-SD-1400-001	CABLE IDENTIFICATION LABELS FOR PRIVATE CABLES
ECC-SD-1400-002	TYPICAL TERMINATION DETAIL FOR PRIVATE CABLE WITH OPTIONAL SECOND LUMINAIRE, LOOP OR SUB-CIRCUIT
ECC-SD-1400-003	TYPICAL TERMINATION DETAIL DNO SUPPLY WITH OPTIONAL FUSED SUB-CIRCUITS
ECC-SD-1400-004	TYPICAL MINI PILLAR
ECC-SD-1400-005	TYPICAL FEEDER PILLAR
ECC-SD-1400-006	TYPICAL LARGE FEEDER PILLAR
ECC-SD-1400-007	EARTH ROD
ECC-SD-1400-008	MINI PILLAR SWITCH GEAR DETAILS
ECC-SD-1400-009	FEEDER PILLAR SWITCH GEAR DETAILS
ECC-SD-1400-010	LARGE FEEDER PILLAR SWITCH GEAR DETAILS
ECC-SD-1400-011	TYPICAL TERMINATION DETAIL DNO SUPPLY NO SECONDARY ISOLATOR
ECC-SD-2600-001	STANDARD TIMBER FOOTBRIDGE PLANK FOOTBRIDGE
ECC-SD-2600-002	STANDARD TIMBER FOOTBRIDGE TYPE 2
ECC-SD-2600-003	STANDARD TIMBER FOOTBRIDGE - DECKED TYPE 3
ECC-SD-2600-004	STANDARD TIMBER FOOTBRIDGE - DECKED TYPE 3
ECC-SD-2600-005	STANDARD TIMBER FOOTBRIDGE TYPE 2
ECC-SD-2600-006	STANDARD TIMBER FOOTBRIDGE TYPE 1
ECC-SD-2600-007	BRIDLEWAY BRIDGE



NOTES

1. DO NOT SCALE FROM DRAWING.
2. MAIN POSTS 1300 LONG X 100 SQUARE SAWN TIMBER.
3. RAIL 75 SQUARE SAWN TIMBER AND BUTT JOINTED ON CENTRE LINE OF POST.
4. ALL TIMBER SHALL COMPLY WITH MCHW CLAUSE 304.
5. STRAP 400 X 100 X 2.5 THICK MILD STEEL SECURED WITH 8 NO 50 X 2.65 DIAMETER NAILS. STRAP AND NAILS TO BE GALVANISED IN ACCORDANCE WITH BS EN ISO 1461 AND AS DESCRIBED IN APPENDIX 1/15 OR 3/1.
6. ST2 CONCRETE SURROUND TO POSTS TO BE TROWEL FINISHED AT GROUND LEVEL.
7. AT END POSTS THE RAIL SHALL EXTEND TO THE EDGE OF THE POST AND THE STRAP SHALL BE NAILED TO THE RAIL WITH 4 NO 50 X 2.65 DIAMETER NAILS.
8. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

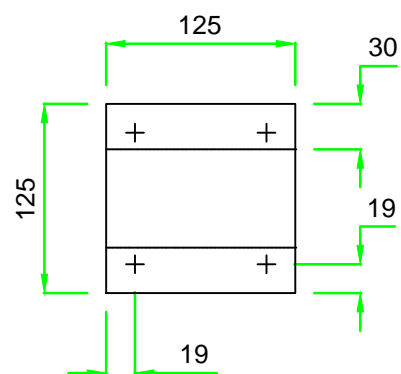
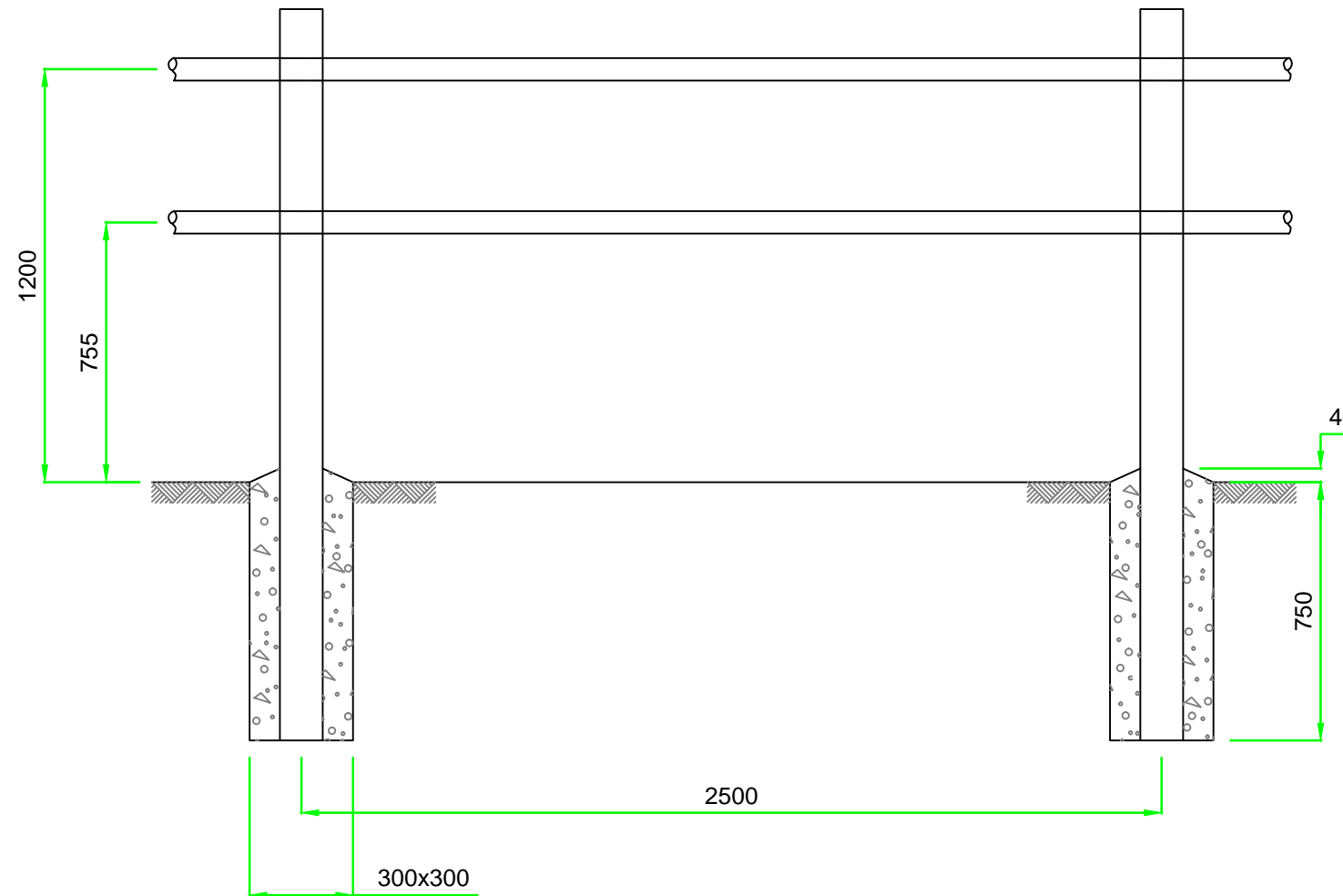
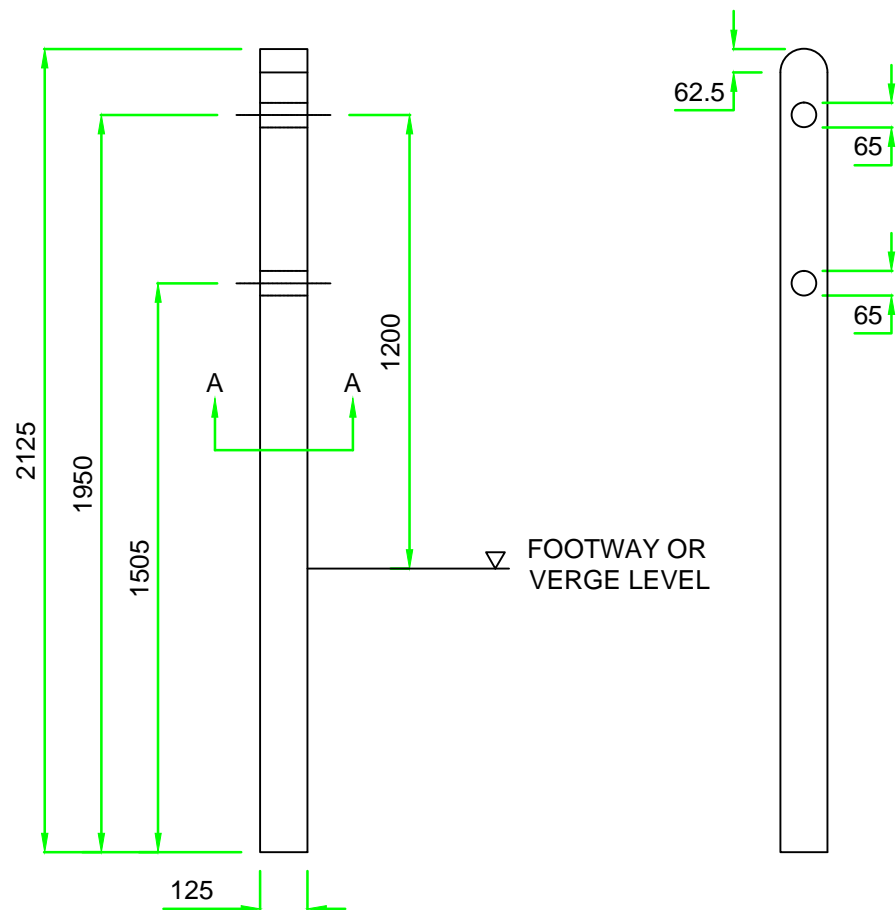
DRAWING TITLE **TIMBER PEDESTRIAN GUARD RAILING**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-001** REV. **-**





Section A-A

NOTES

- DO NOT SCALE FROM DRAWING.
- CONCRETE POSTS 2125 LONG X 125 SQUARE.
- POSTS SHALL BE MANUFACTURED AND MATURED IN STRICT CONFORMITY WITH ANNEX B, BS 1722 : PART 1, 1999 AND REINFORCED WITH FOUR MILD STEEL BARS, 8 DIAMETER, TO BE CARRIED OVER AT THE TOP.
- TUBULAR RAILS TO BE GALVANIZED STEEL TUBES TO BS 1387 : 1985, SECTION 6 TABLE 4, DN 40. TUBES TO BE THREADED AND SOCKETED.
- FILLET OF CEMENT MORTAR TO BE PLACED IN POST HOLE AROUND TUBE AT END POST.
- ST2 CONCRETE SURROUND TO POSTS TO BE TROWEL FINISHED AT GROUND LEVEL.
- POST HOLE AT TERMINAL END TO BE FILLED WITH FILLET OF CEMENT MORTAR.
- ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS

APPROVED



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SCHEME TITLE

STANDARD DETAILS

DRAWING TITLE

POST AND TUBULAR RAIL FENCE

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

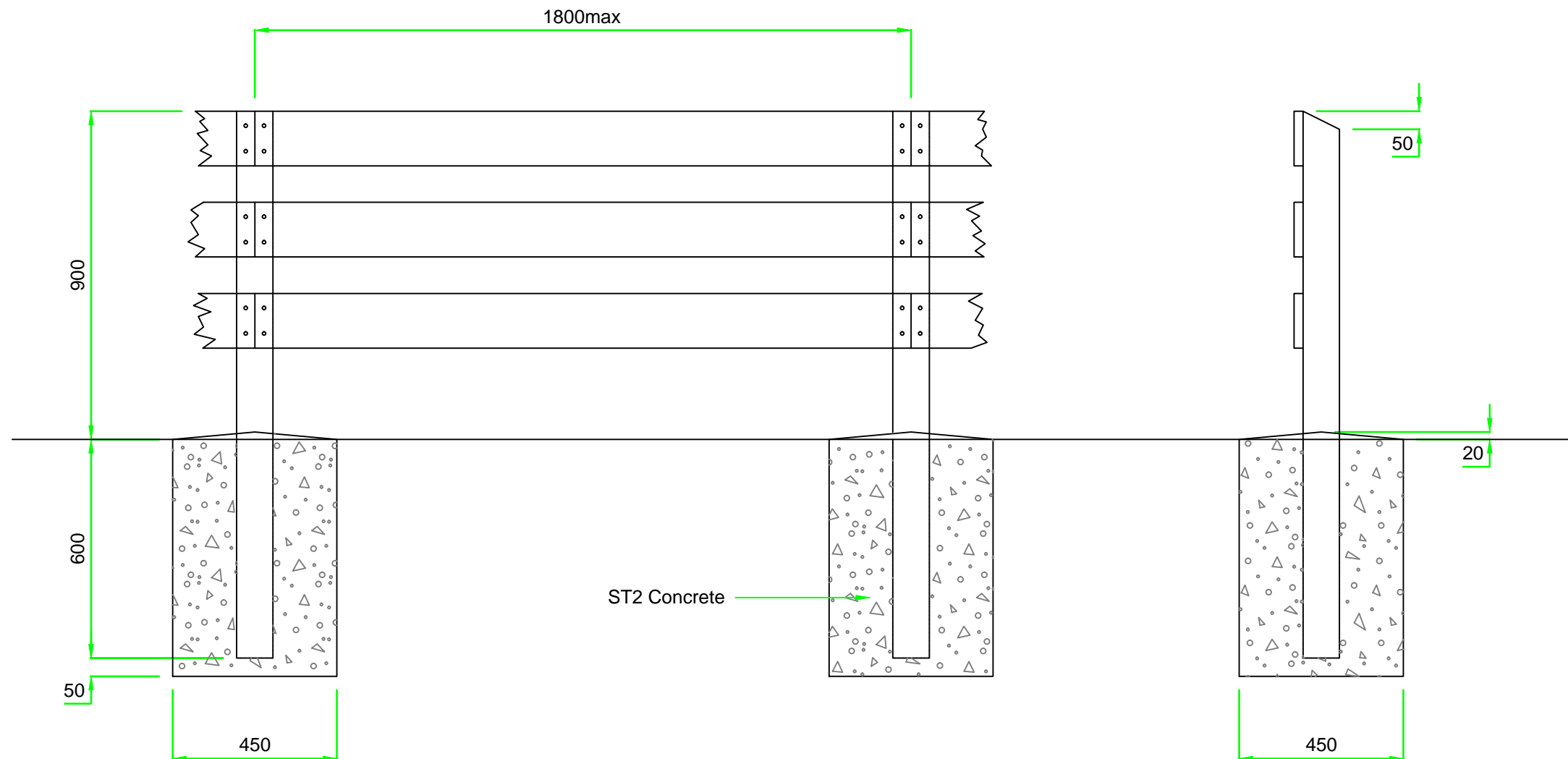
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-002** REV. **-**



NOTES

- DO NOT SCALE FROM DRAWING
- TIMBER POSTS SHALL BE 100 X 100 PREPARED HARDWOOD.
- TIMBER RANCH RAILS SHALL BE 150 X 25 PREPARED SOFTWOOD. EACH RAIL SHALL BE BUTT JOINTED TO THE FACE OF POSTS AND NAILED WITH 2 X 50, 12 S.W.G. GALVANISED NAILS AT EACH END.
- SPECIFICATION CLAUSES 304 AND 306 APPLY EXCEPT THAT TIMBER FOR POSTS AND RAILS SHALL BE UNTREATED.
- WHERE REQUIRED SPECIFICATION CLAUSE 312 TO APPLY TO PAINTING OF POSTS AND RAILS. THE FINISHING COATS TO BE FULL GLOSS FINISH, COLOUR TO B.S. 4800 AS SPECIFIED IN APPENDIX 3/1 PARAGRAPH 4 (IV).
- WHERE THE FENCE FORMS A BOUNDARY BETWEEN THE HIGHWAY AND PRIVATE PROPERTY, THE RAILS SHALL BE FIXED TO THE HIGHWAY SIDE.
- ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW



Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

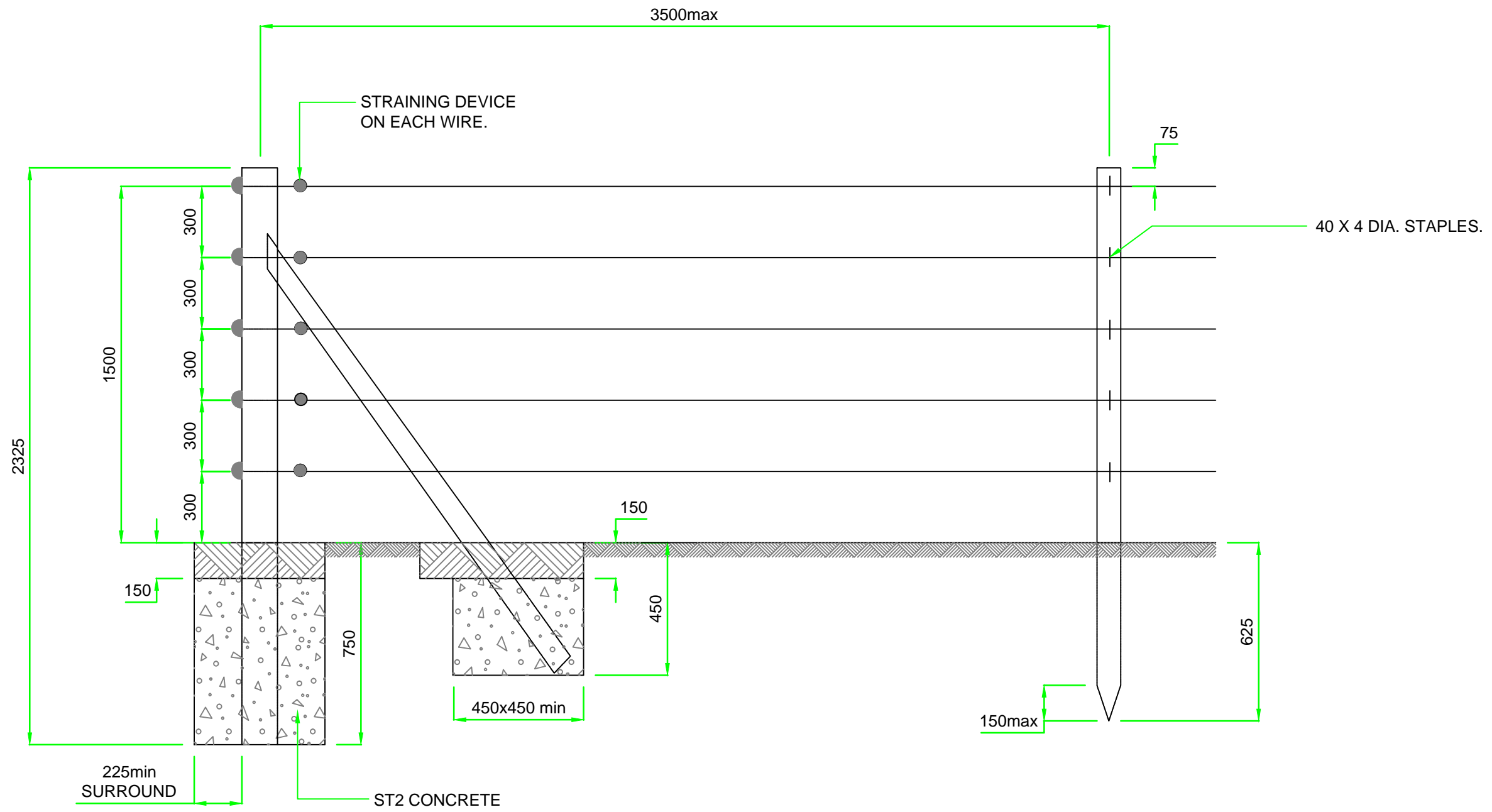
DRAWING TITLE **RANCH TYPE FENCING 3 RAIL 0.9 METRES HIGH**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-003** REV. **-**





- NOTES**
- DO NOT SCALE FROM DRAWING.
 - BS 1722 PART 2 SECTION 1,2,3,4 & 5 APPLY UNLESS OTHERWISE STATED.
 - DIMENSION OF FOUNDATION, TYPE AND SIZES OF POSTS, STRUTS AND WIRE ETC. SHALL BE TAKEN FROM BS 1722 PART 2 AS APPROPRIATE TO THE HEIGHT AND PURPOSE OF THE FENCE WITH ANY OTHER REQUIREMENTS DESCRIBED IN APPENDIX 1/1 AND ON THE SCHEME DRAWINGS.
 - ALL TIMBER SHALL COMPLY WITH MCHW CLAUSE 304 UNLESS OTHERWISE STATED IN APPENDIX 1/15.
 - DETAILS OF GENERAL ARRANGEMENTS SHALL BE IN ACCORDANCE WITH DRAWING NOS. H7 TO H10.
 - ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

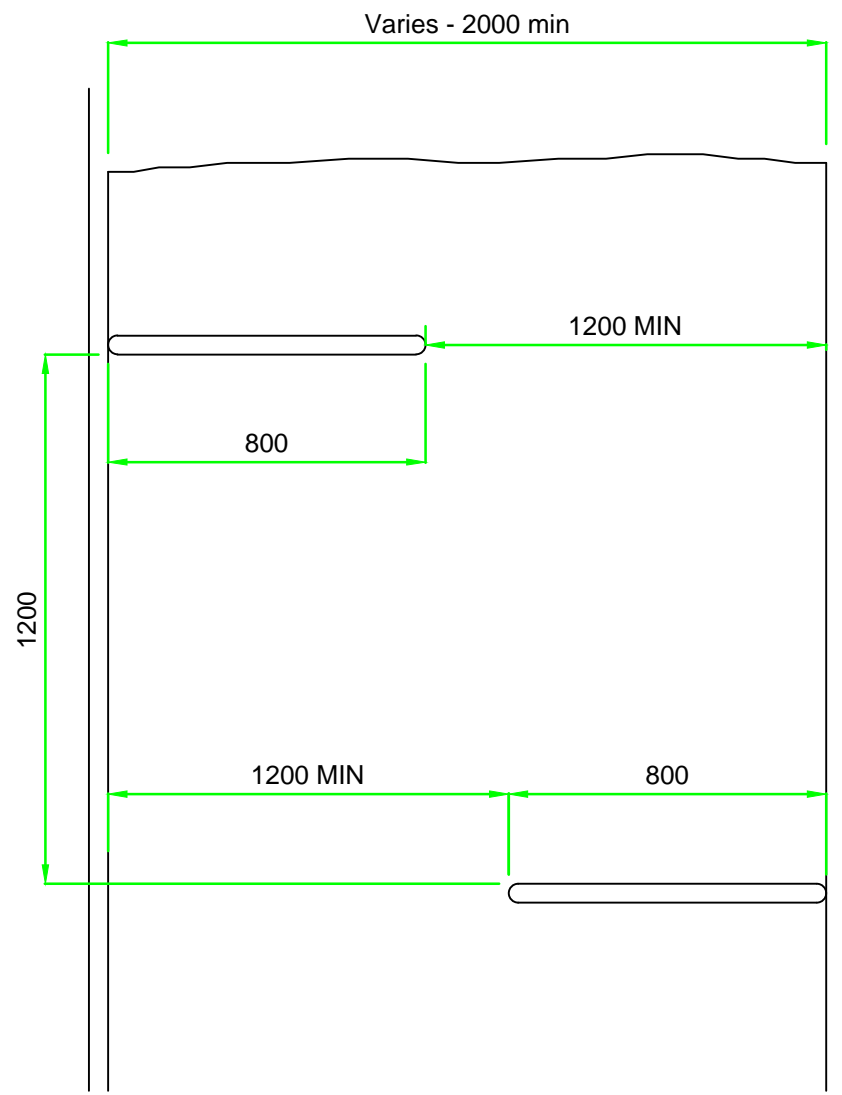
DRAWING TITLE **FIVE STRAND WIRE FENCE 1.5 METRES HIGH**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-004** REV. **-**





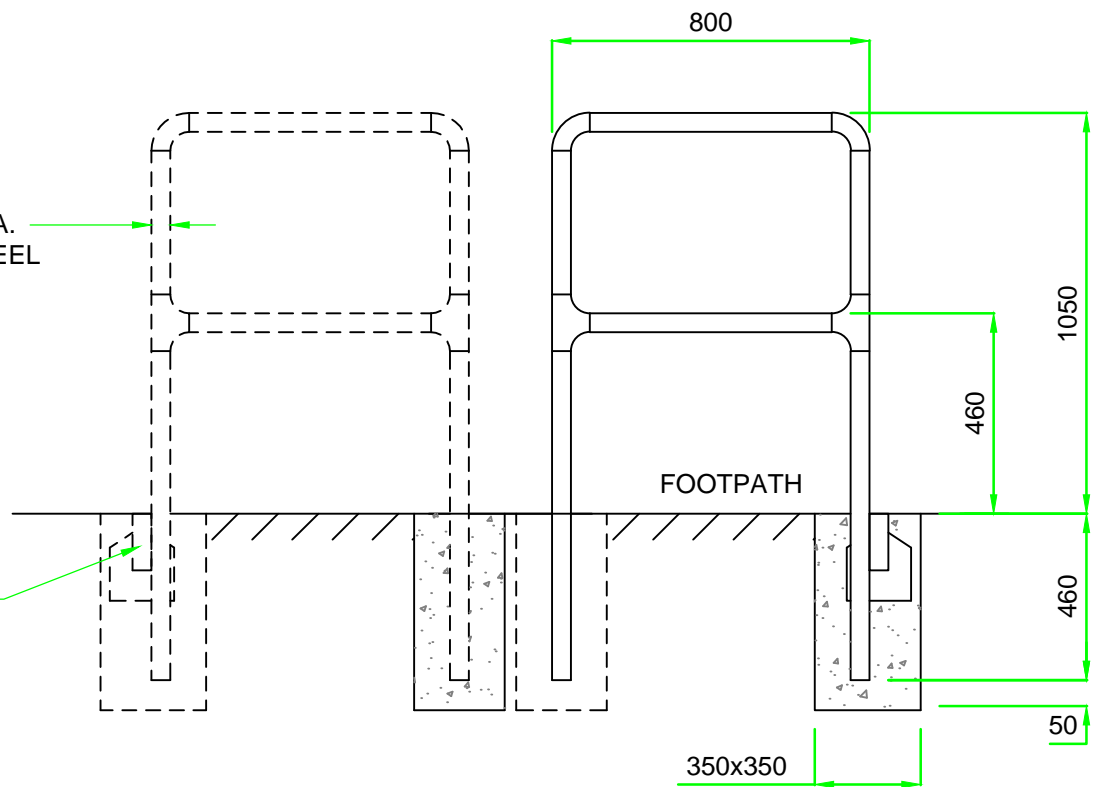
PLAN

EDGINGS WHERE REQUIRED

EDGE OF FOOTPATH

50 EXTERNAL DIA. GALVANISED STEEL TUBING

EDGINGS WHERE REQUIRED



NOTES

1. DO NOT SCALE FROM DRAWING.
2. DETAILS AND SPECIFICATION OF PEDESTRIAN BARRIER TO BE SUPPLIED TO THE ENGINEER FOR APPROVAL.
3. PEDESTRIAN BARRIER TO COMPLY WITH THE REQUIREMENTS OF BS 5709:2006.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

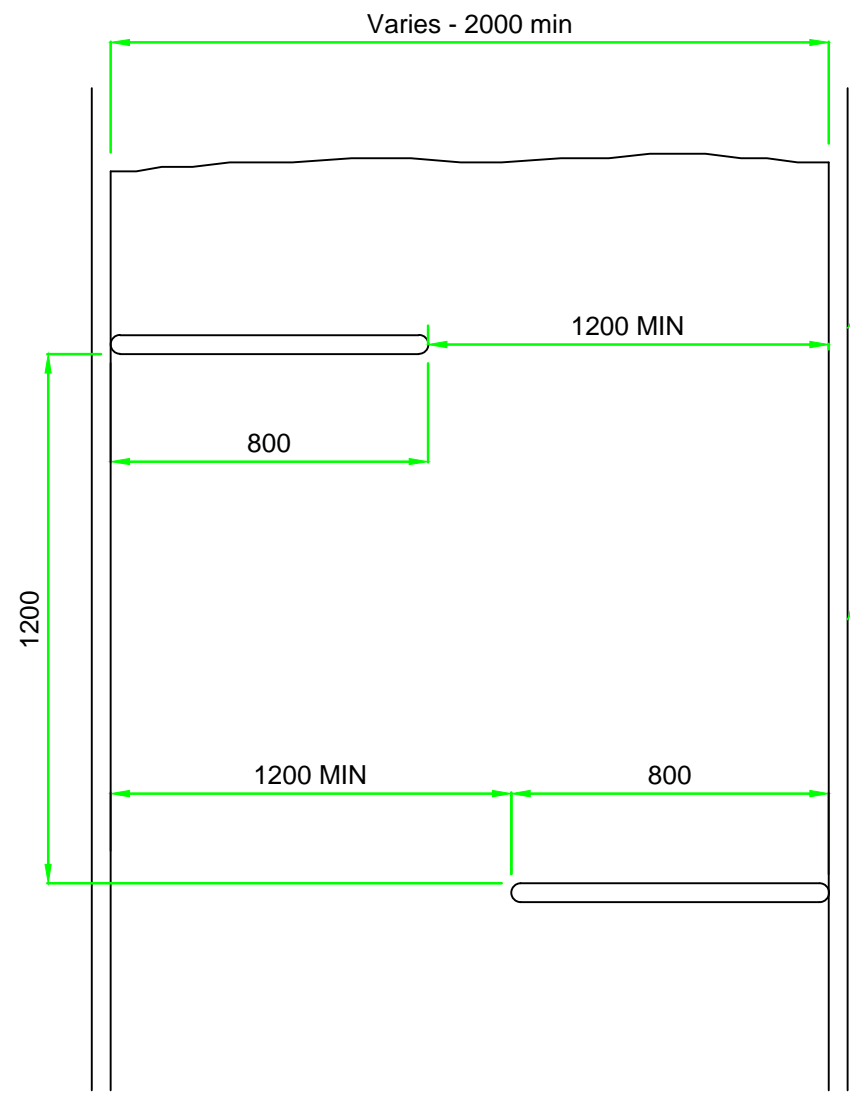
DRAWING TITLE **PEDESTRIAN BARRIER TYPE A**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

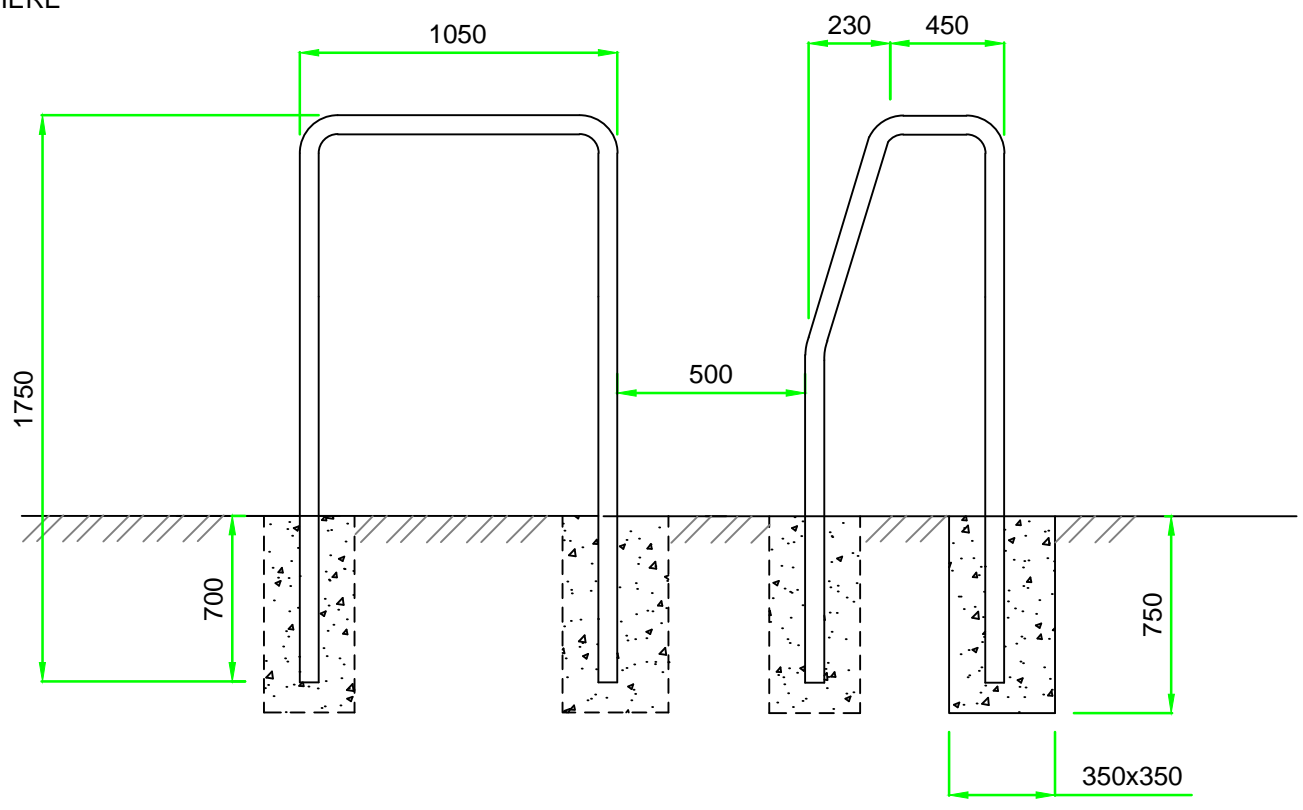
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-005** REV. **-**





PLAN



NOTES

1. DO NOT SCALE FROM SCALE
2. FRAME TO BE GALVANISED
50mm DIAMETER
3mm THICK
3. FOUNDATIONS TO BE ST2 CONCRETE.
4. ALL ST CONCRETE SHALL BE TO
CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

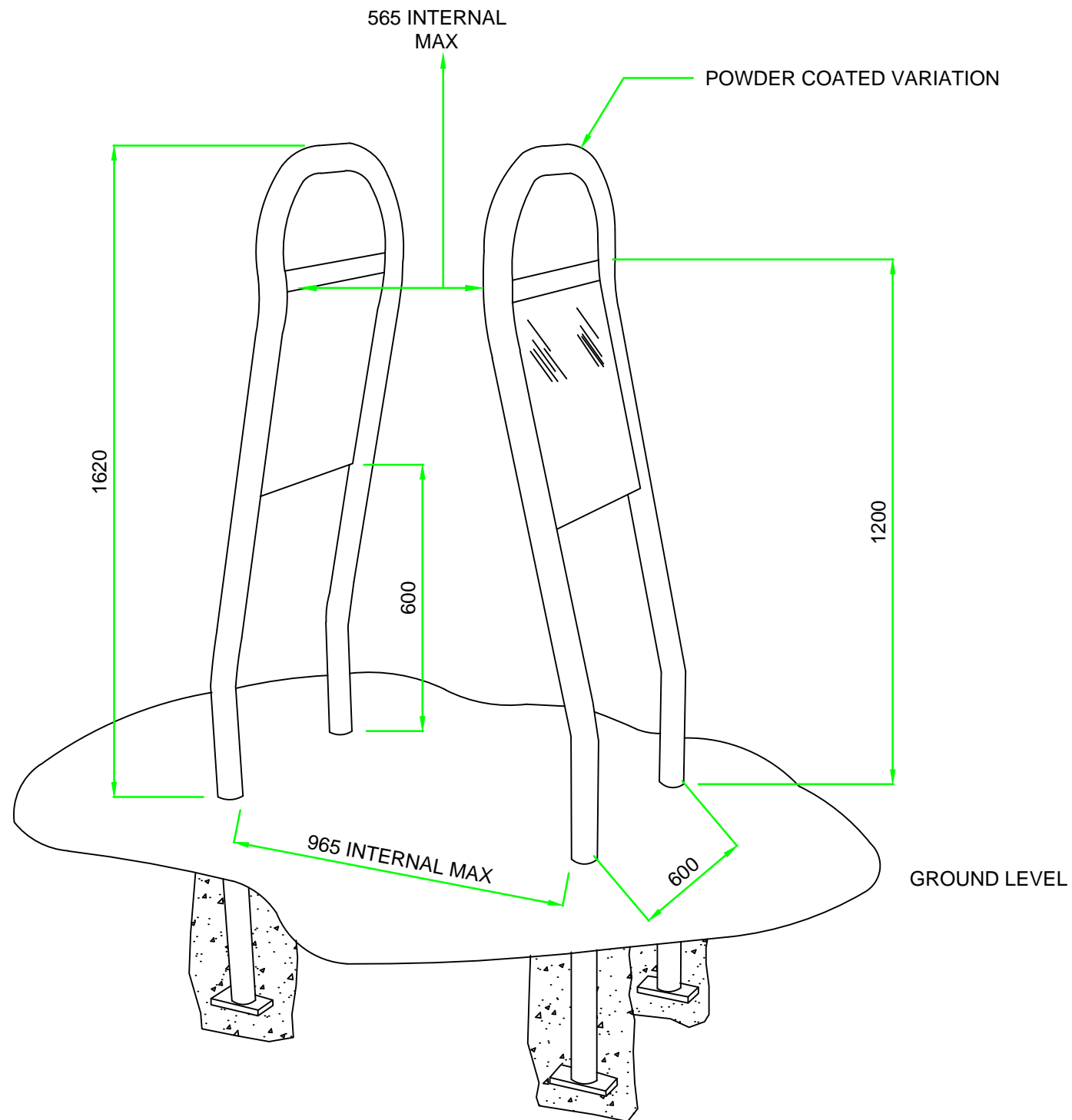
DRAWING TITLE
PEDESTRIAN BARRIER TYPE B

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. SCALE AT A3 (420x297mm)
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES **N.T.S**

DRAWING No. **ECC-SD-0300-006** REV. **-**





NOTES

1. DO SCALE FROM DRAWING.
2. TWO GALVANIZED TUBULAR PANELS PARTLY SHEETED.
3. FRAME TO BE GALVANISED TUBE 60mm DIAMETER, 3mm WALL THICKNESS.
4. PLATE TO BE GALVANISED 3 THICK, WELDED TO FRAME.
5. FOOTINGS TO BE 450 SQUARE X 600 DEEP ST2 CONCRETE.
6. MOTORBIKE INHIBITOR TO BE AS MANUFACTURED BY CENTREWIRE OR EQUIVALENT.
7. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

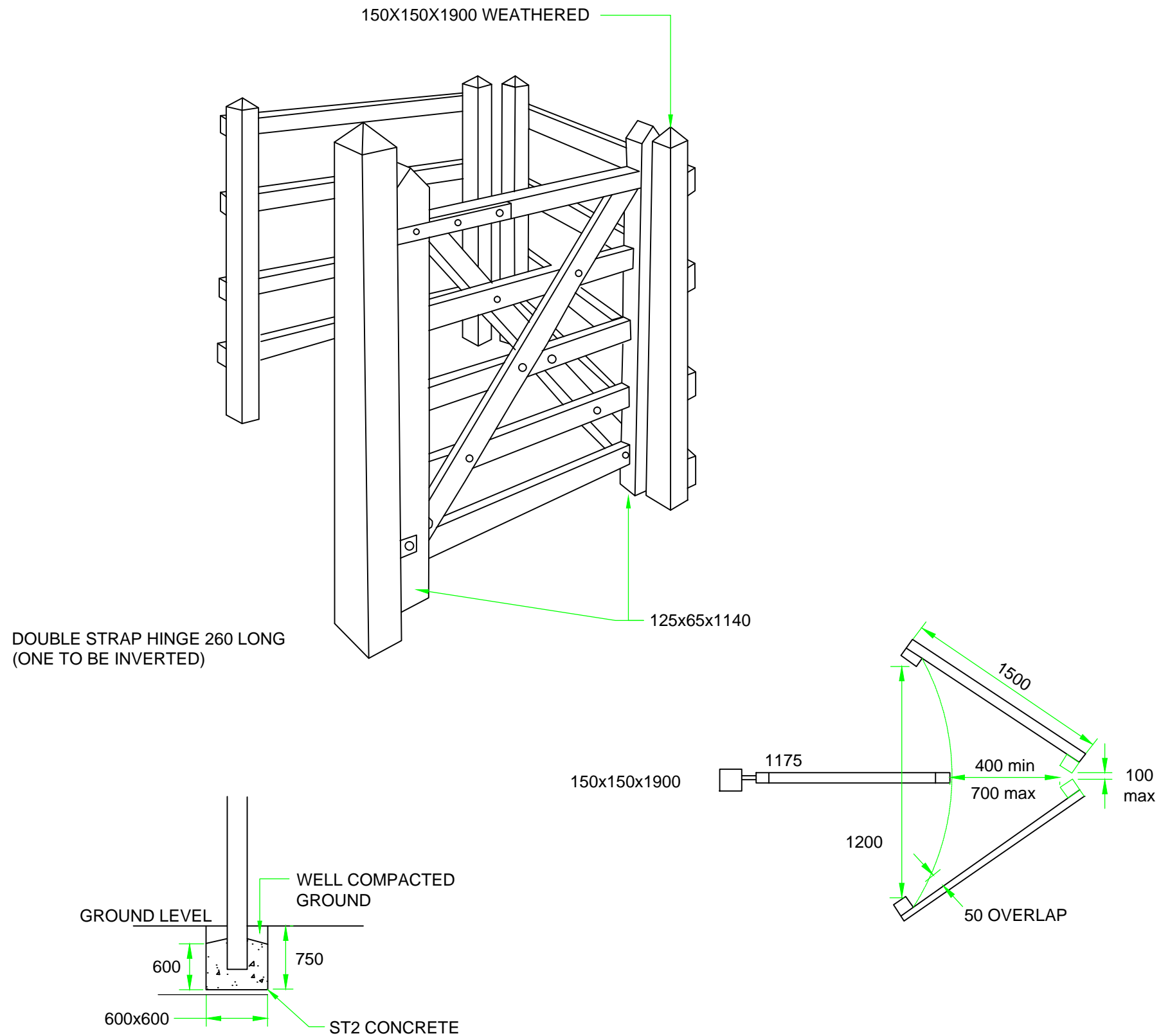
DRAWING TITLE **MOTORBIKE INHIBITOR**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-007** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. TIMBER FOR GATE SHALL BE IN ACCORDANCE WITH CLAUSES 306 AND 311 OF THE MCHW AND BS EN 351-1:1996.
3. ALL TIMBER AND METAL PARTS SHALL BE IN ACCORDANCE WITH THE MCHW 300 SERIES AND BS 5709:2006
4. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **TIMBER STANDARD KISSING GATE TYPE B**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

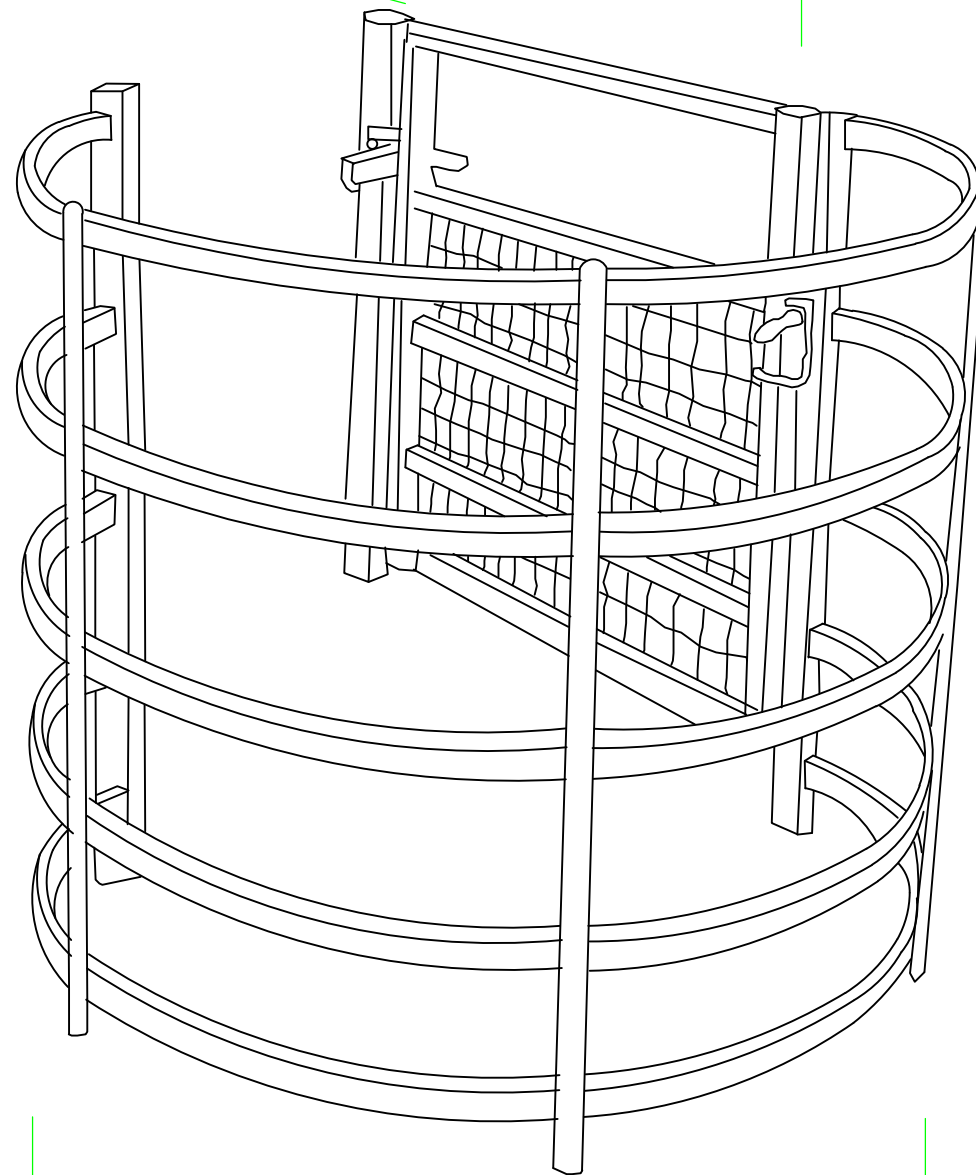
DRAWING No. **ECC-SD-0300-008** REV. **-**



GATE SWING
TYPICALLY 1400

1200

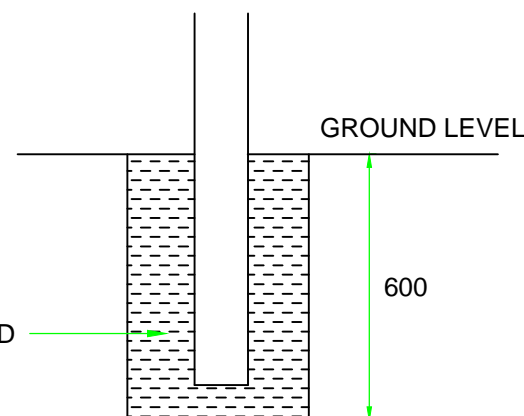
POSTS	40x40 R.H.S.
RAILS	25x25 R.H.S.



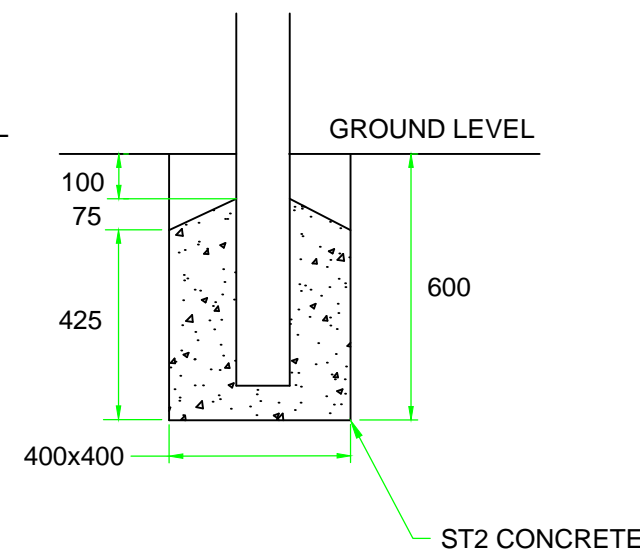
1200

TYPICAL DIAMETER 1650

TYPE A



TYPE B



NOTES

- DO NOT SCALE FROM DRAWING.
- GATE TO BE IN ACCORDANCE WITH BS 5709:2006.
- FOUNDATIONS TO BE 600 DEEP 450 SQUARE ST2 CONCRETE.
- PROTECTIVE TREATMENT TO BE AS DESCRIBED IN APPENDIX 1/15 OR 3/1.
- RADAR CATCH TO BE PROVIDED WHERE SPECIFIED.
- ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS

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SCHEME TITLE

STANDARD DETAILS

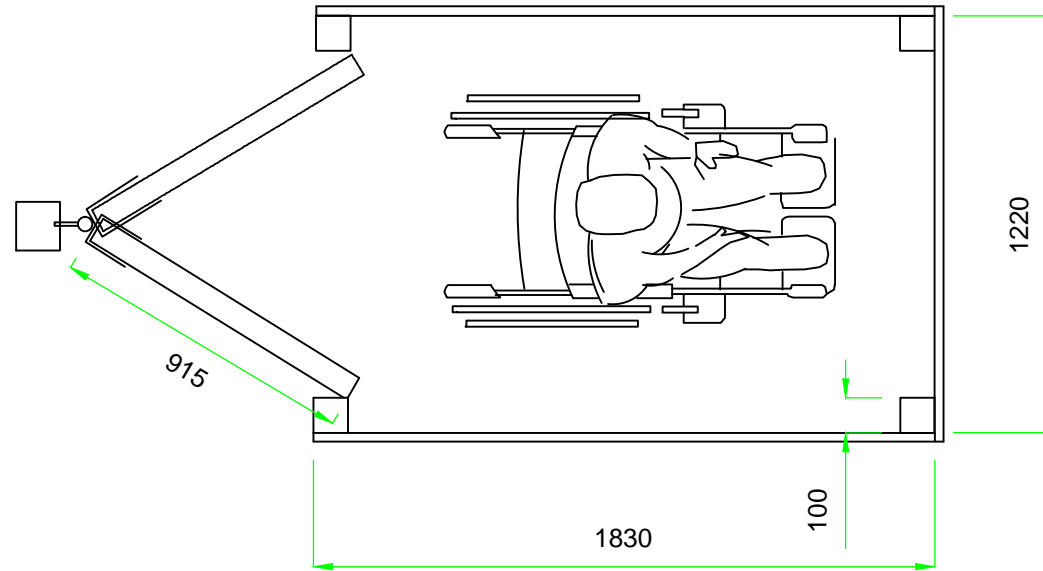
DRAWING TITLE
STEEL STANDARD KISSING GATE (STOCK PROOF 2 WAYS) MEDIUM MOBILITY

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

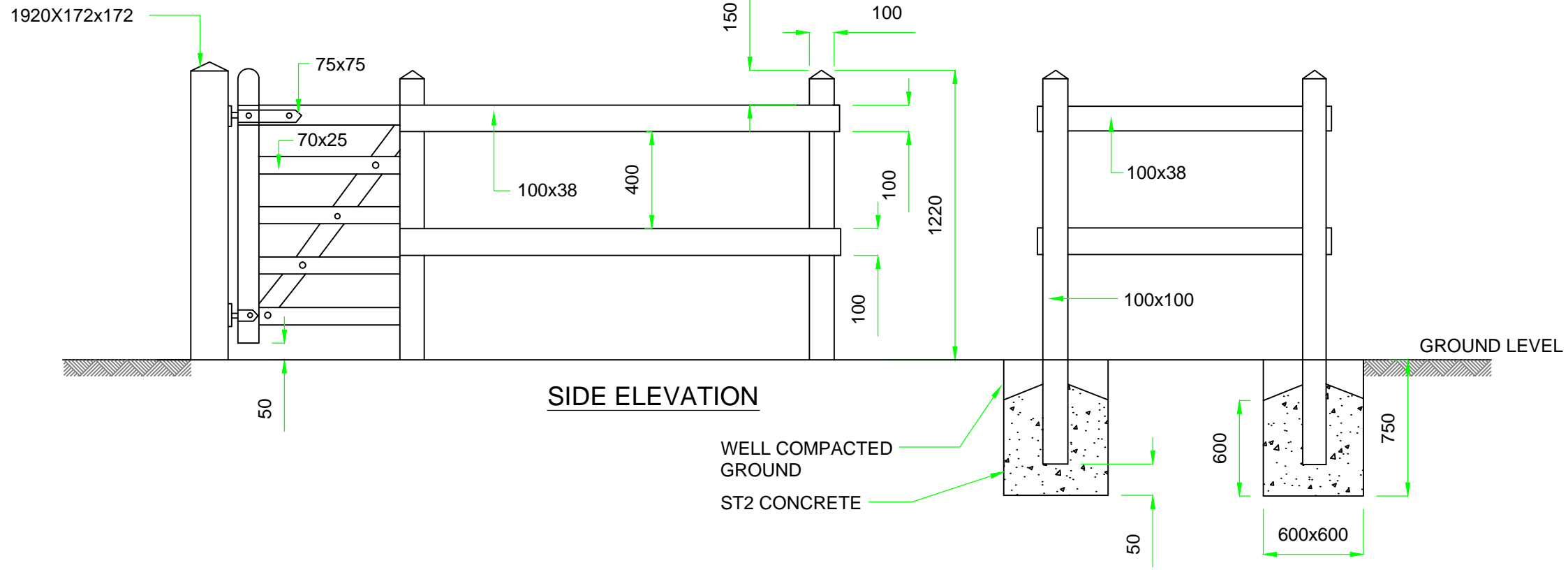
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) N.T.S

DRAWING No.	REV.
ECC-SD-0300-009	-





PLAN VIEW



SIDE ELEVATION

END ELEVATION

NOTES

- DO NOT SCALE FROM DRAWING.
- GATE TO BE IN ACCORDANCE WITH BS 5709:2001.
- TIMBER FOR STEPS SHALL BE IN ACCORDANCE WITH CLAUSE 306 AND 311 OF THE MCHW AND BS EN 351-1:1996.
- ALL TIMBER AND METAL PARTS SHALL BE IN ACCORDANCE WITH MCHW 300 SERIES AND B.S. 5709.
- ALL NAILS SHALL BE GALVANISED.
- ALL TENONS SHALL BE PEGGED WITH 13 DIA OAK DOWELS.
- ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

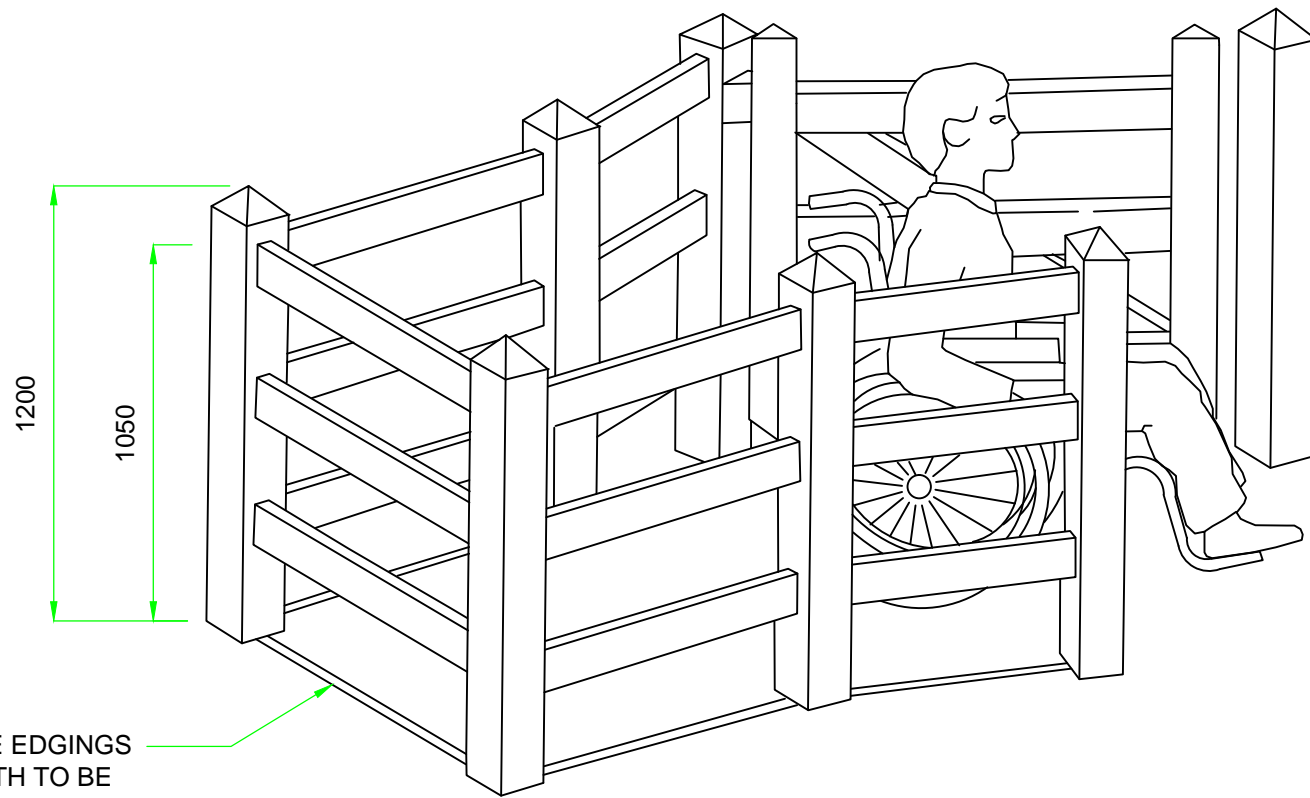
DRAWING TITLE **TIMBER KISSING GATE TYPE 2**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
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DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

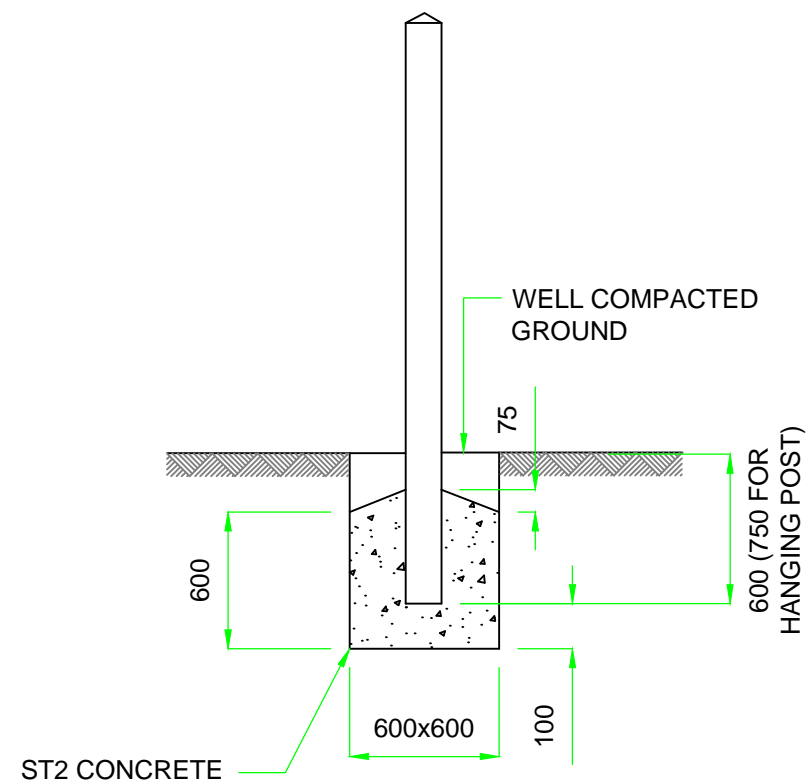
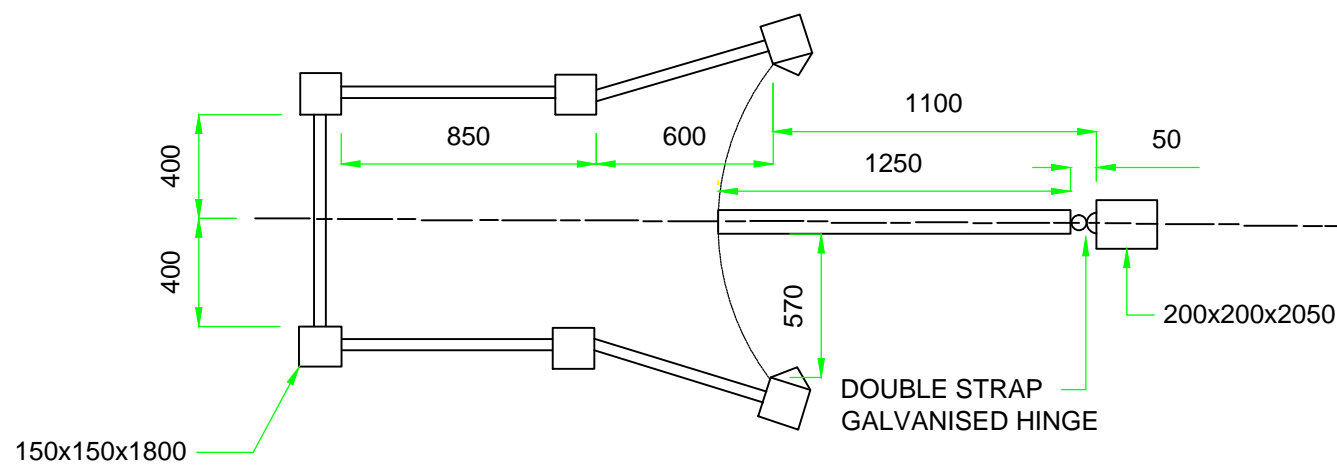
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-010** REV. **-**





50X150 PC CONCRETE EDGINGS TYPE EF150. FOOTPATH TO BE FLUSH WITH TOP OF EDGINGS.



NOTES

1. DO NOT SCALE FROM DRAWING.
2. GATE TO BE IN ACCORDANCE WITH BS 5709:2001.
3. ALL TIMBER AND METAL PARTS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE MCHW 300 SERIES AND BS 5709.
4. TIMBER FOR GATE SHALL BE IN ACCORDANCE WITH CLAUSES 306 AND 311 OF THE MCHW AND BS EN 351-1:1996.
5. ALL NAILS SHALL BE GALVANISED.
6. ALL TENONS SHALL BE PEGGED WITH 13 DIA OAK DOWELS.
7. RAILS TO BE 100X38.
8. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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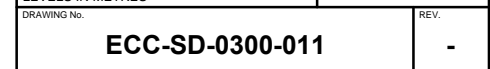
SCHEME TITLE **STANDARD DETAILS**

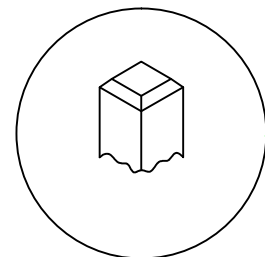
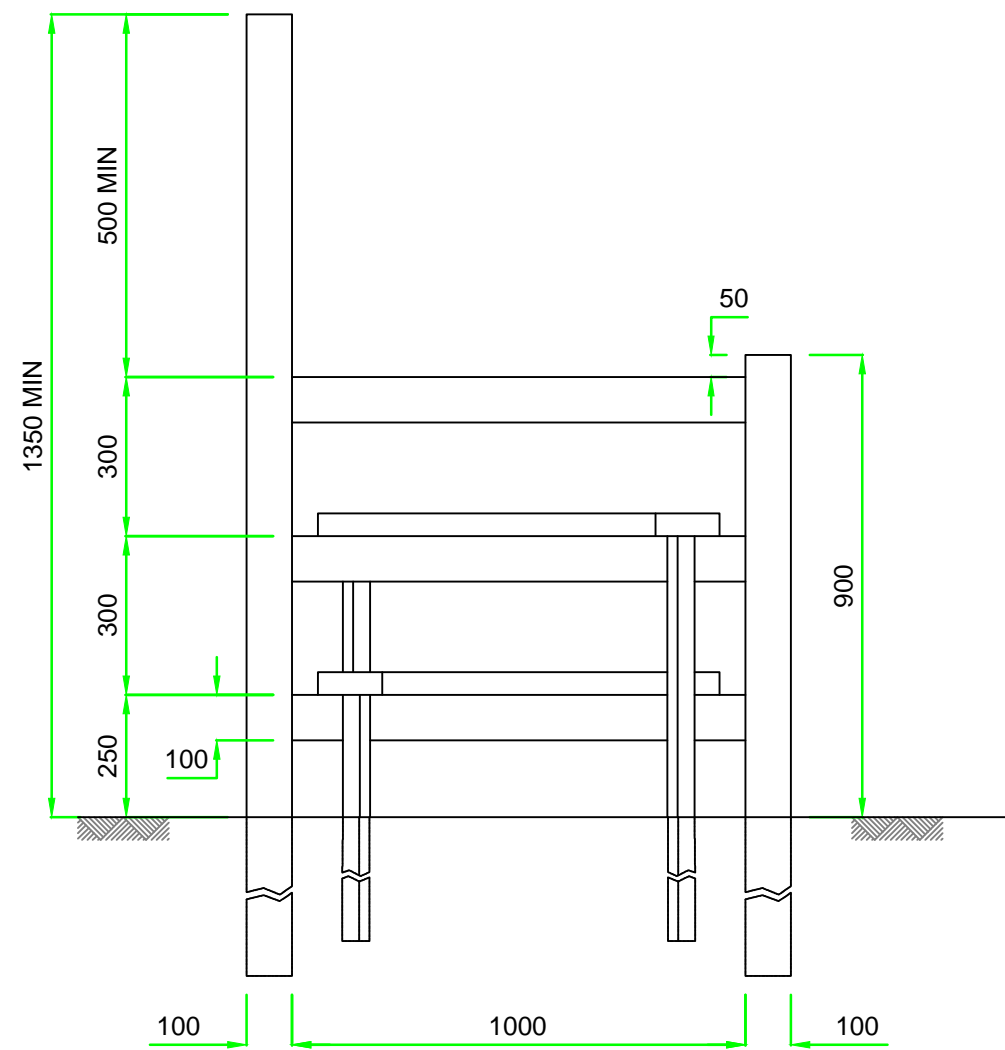
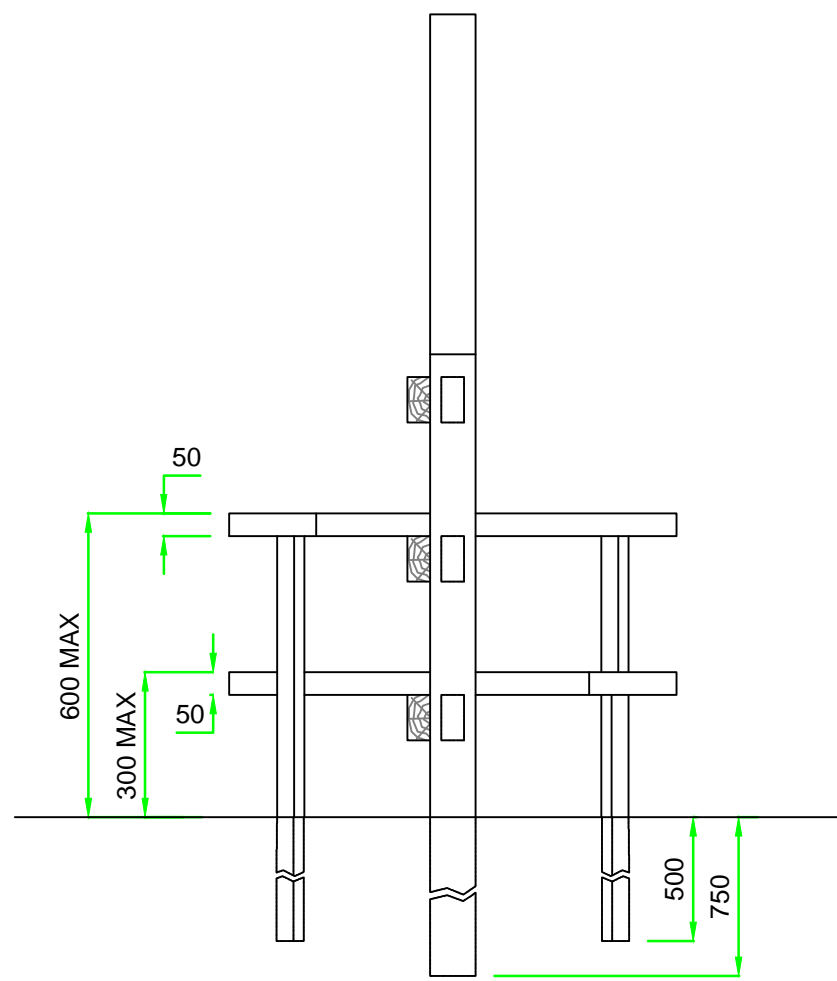
DRAWING TITLE **TIMBER KISSING GATE TYPE 3 (ACCESSIBLE FOR WHEELCHAIR USERS)**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

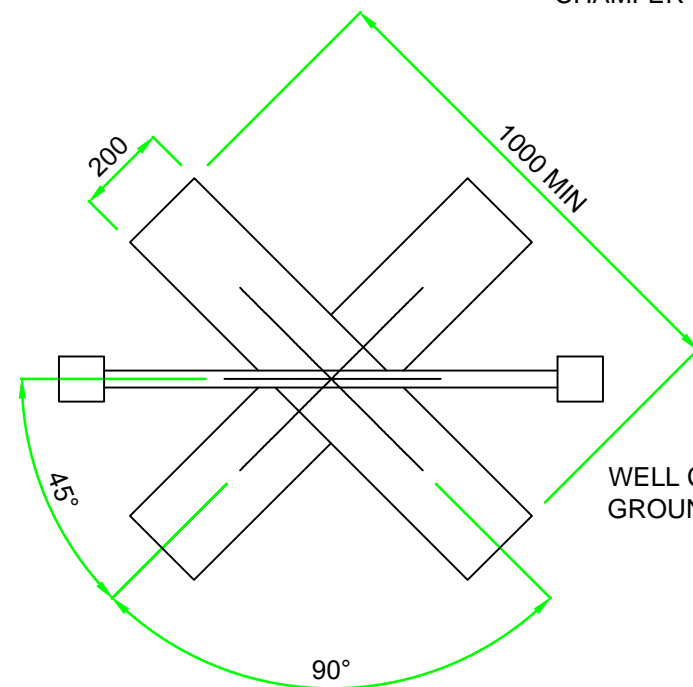
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-011** REV. **-**





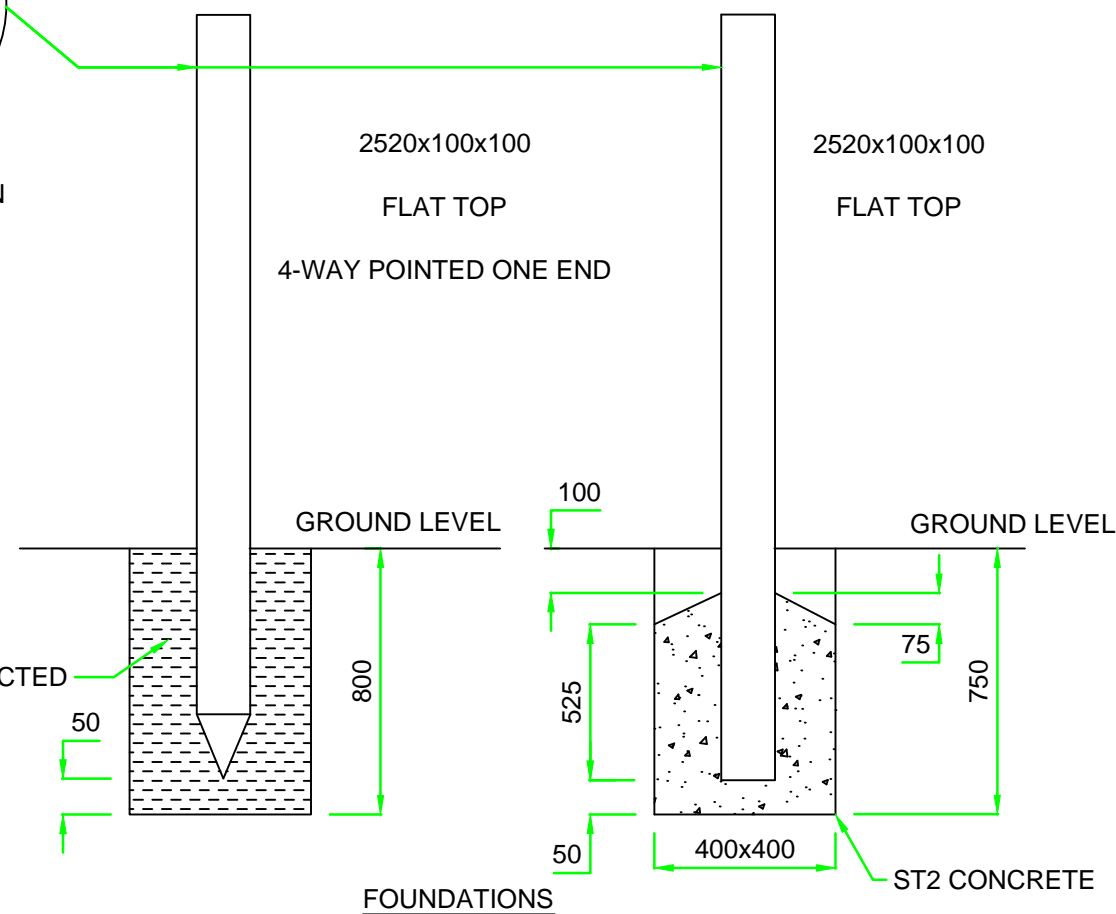
CHAMFER OPTION



WELL COMPACTED GROUND

TYPE A

TYPE B



FOUNDATIONS

ST2 CONCRETE

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. POSTS 100 X 100
RAILS 100 X 50
WIDTH BETWEEN POSTS 1000 MINIMUM
STEP UPRIGHT 75 X 50 X 825
75 X 50 X 1200
STEPS 200 X 50 X 1000
3. ALL TIMBER SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE 300 SERIES MCHW AND B.S. 5709:2006
4. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev.	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

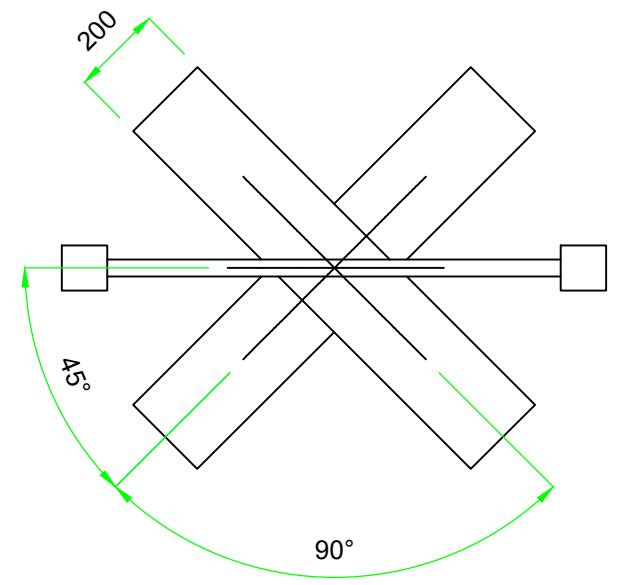
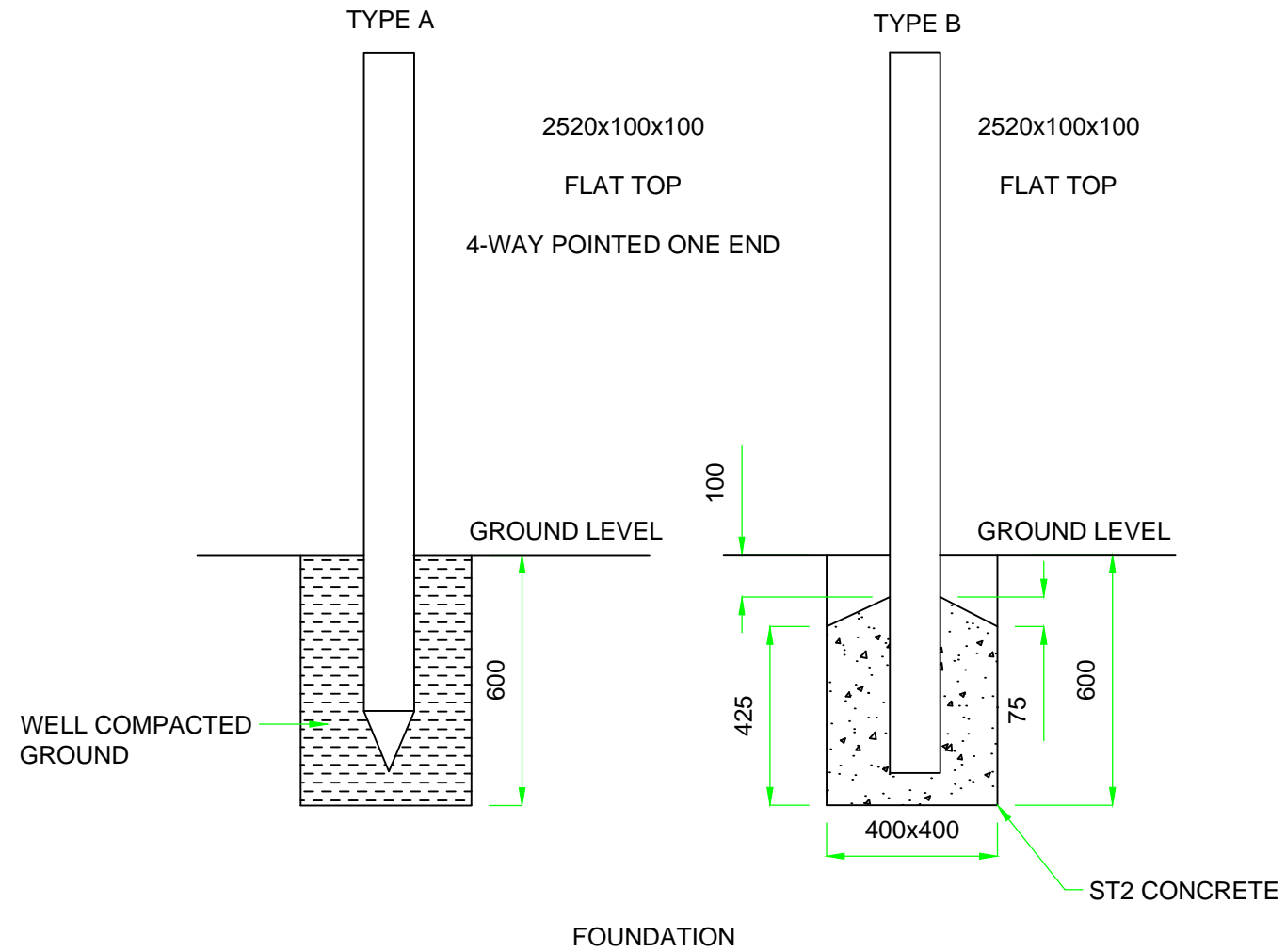
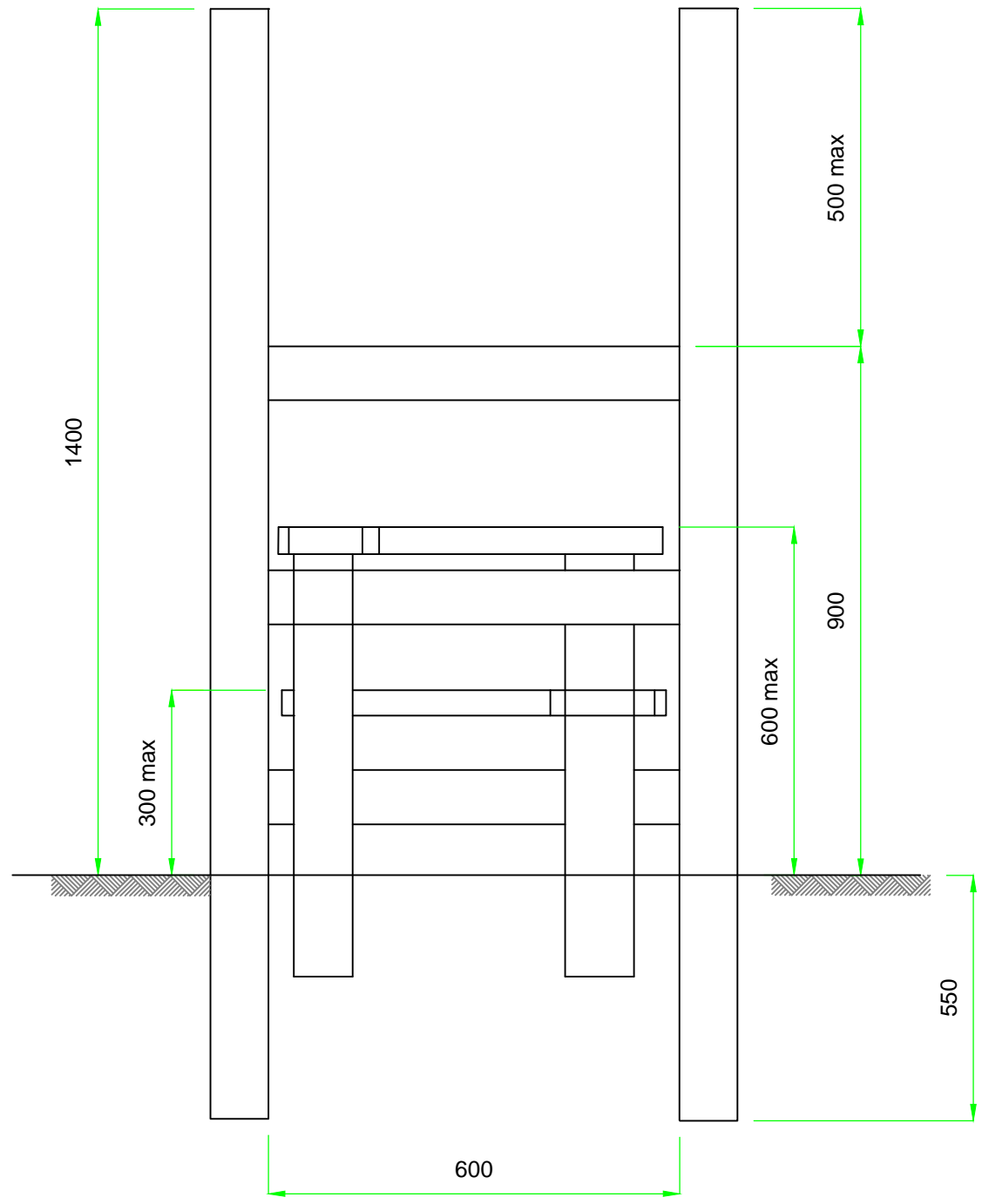
DRAWING TITLE **WIDE TIMBER STILE TYPE 4**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-012** REV. **-**





- NOTE**
- DO NOT SCALE FROM DRAWING
 - STILE TO BE IN ACCORDANCE WITH BS 5709:2006.
 - POSTS 100 X 100
RAILS 100 X 50
WIDTH BETWEEN POSTS 600 MINIMUM
STEP UPRIGHT 75 X 50 X 825
75 X 50 X 1200
STEPS 200 X 50 X 1000
 - ALL TIMBER SHALL BE IN ACCORDANCE WITH MCHW 300 SERIES AND B.S. 5709.
 - ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

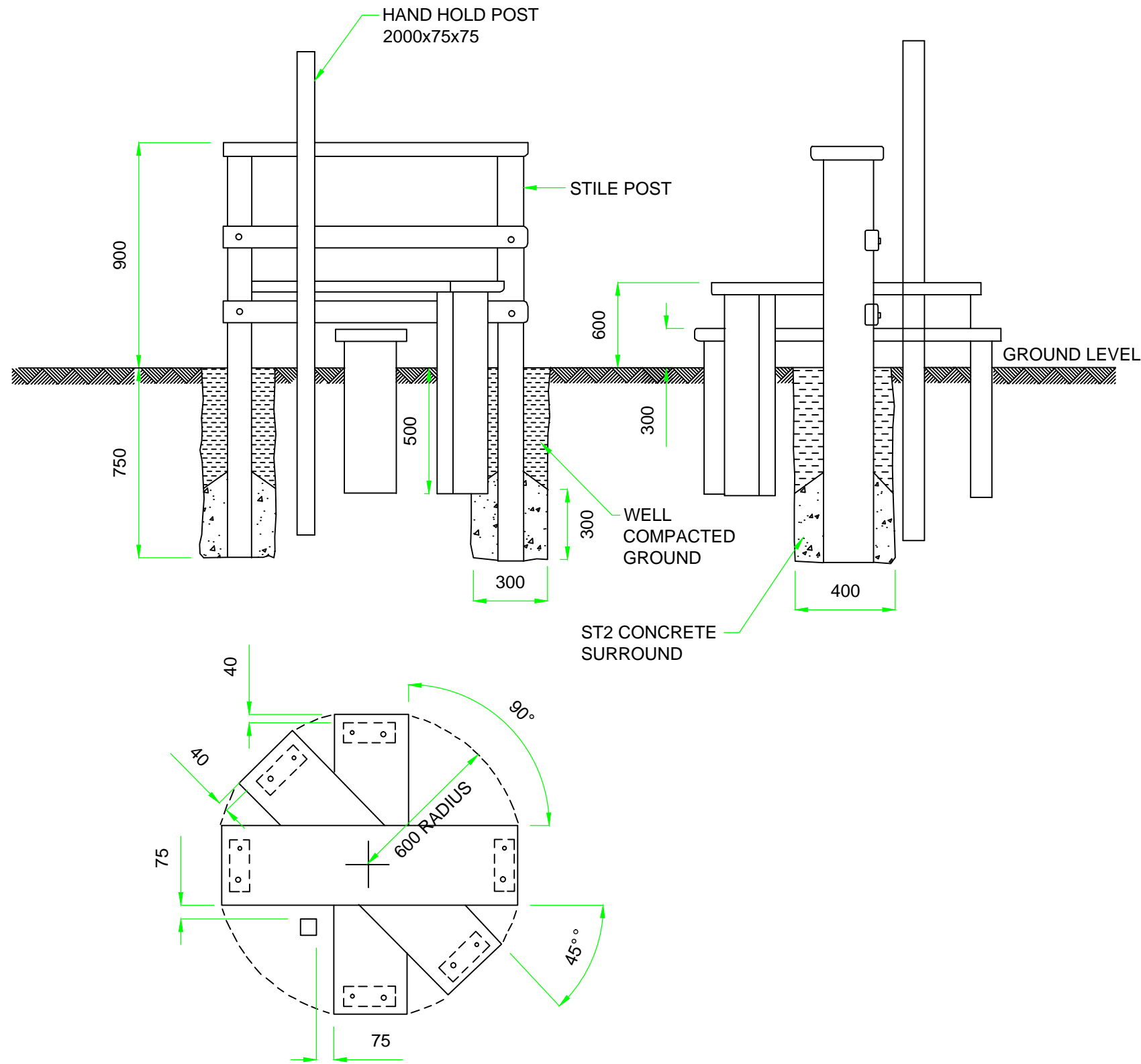
DRAWING TITLE **TIMBER STILE TYPE 5**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300013** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. STILE TO BE IN ACCORDANCE WITH BS 5709:2001.
3. ALL TIMBER AND METAL PARTS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE MCHW 300 SERIES AND BS 5709.
4. TIMBER FOR STILE SHALL BE IN ACCORDANCE WITH CLAUSES 306 AND 311 OF THE MCHW AND BS EN 351-1:1996.
5. COACH SCREWS HOLDING STEPS AND SEAT TOP TO BE COUNTERSUNK INTO STEP.
6. STILE POSTS 200 X 100
HAND HOLD POST 75 X 50
STEP SUPPORT 200 X 100
STEPS TO BE 300 X 50 X 1200 WITH 5mm CHAMFERED EDGES.
7. FITTINGS FOR HANGING AND FASTENINGS AS PER ENGINEERS INSTRUCTION AND IN ACCORDANCE WITH MANUFACTURERS DETAILS.
8. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

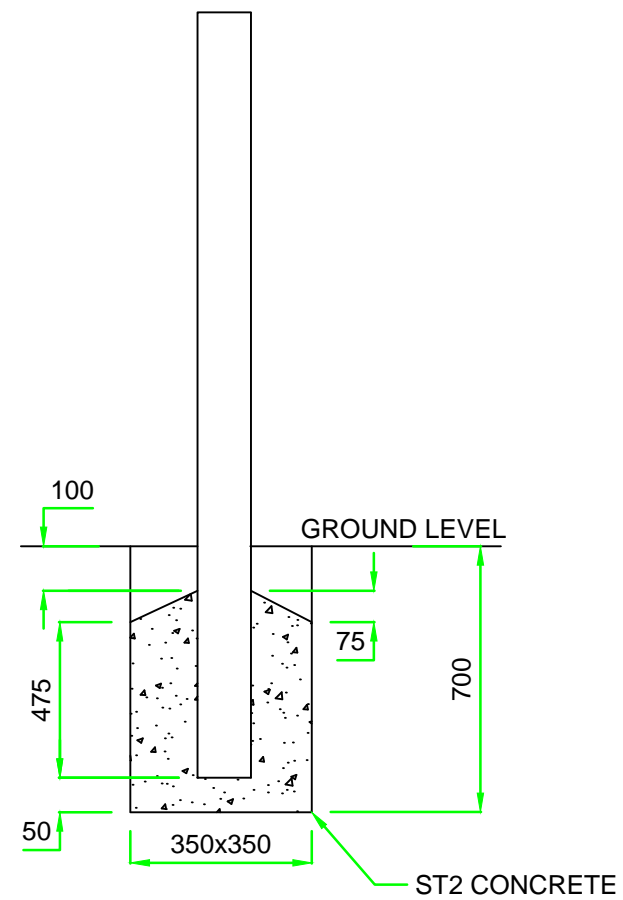
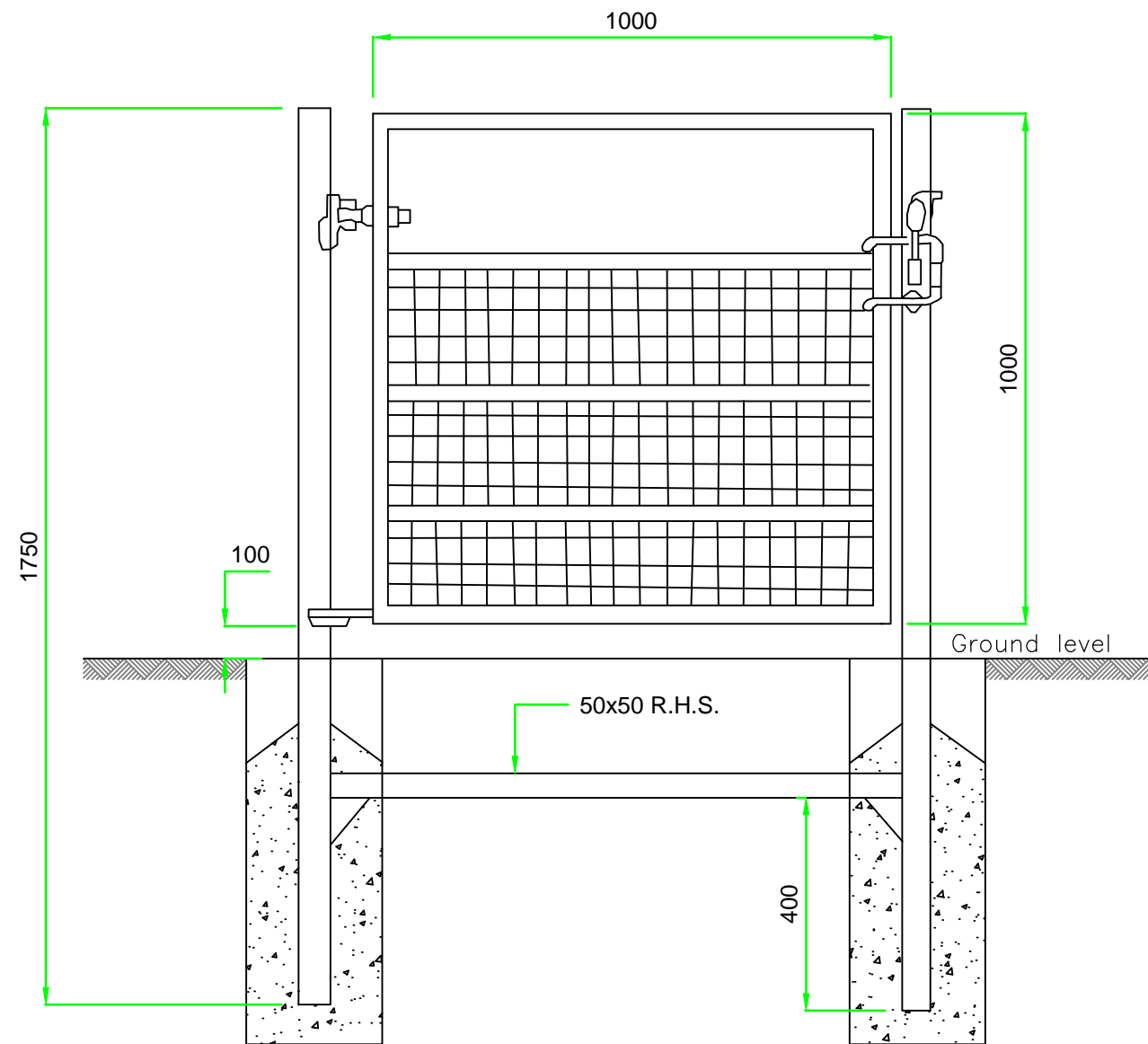
DRAWING TITLE **TIMBER STILE WITH BENCH SEAT TOP TYPE 6**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-014** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. GATE TO BE IN ACCORDANCE WITH BS 5709:2006
3. GATES SHALL COMPLY WITH THE APPROPRIATE CLAUSES IN THE 300 SERIES MCHW, ANY FURTHER REQUIREMENTS IN APPENDIX 1/15 OR 3/1 AND WITH BS3470.
4. DROP BOLTS AND CATCHES SHALL BE GALVANISED TO COMPLY WITH BS EN ISO 1461.
5. POSTS TO BE 50X50 R.H.S. GALVANISED.
6. GATE BARS TO BE 50X25 R.H.S. GALVANISED.
7. PROTECTIVE TREATMENT TO BE AS DESCRIBED IN APPENDIX 1/5 OR 3/1.
8. WHERE INSTRUCTED BY THE OVERSEEING ORGANISATION POST FOUNDATIONS MAY BE BACKFILLED WITH COMPACTED EXCAVATED MATERIAL.
9. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

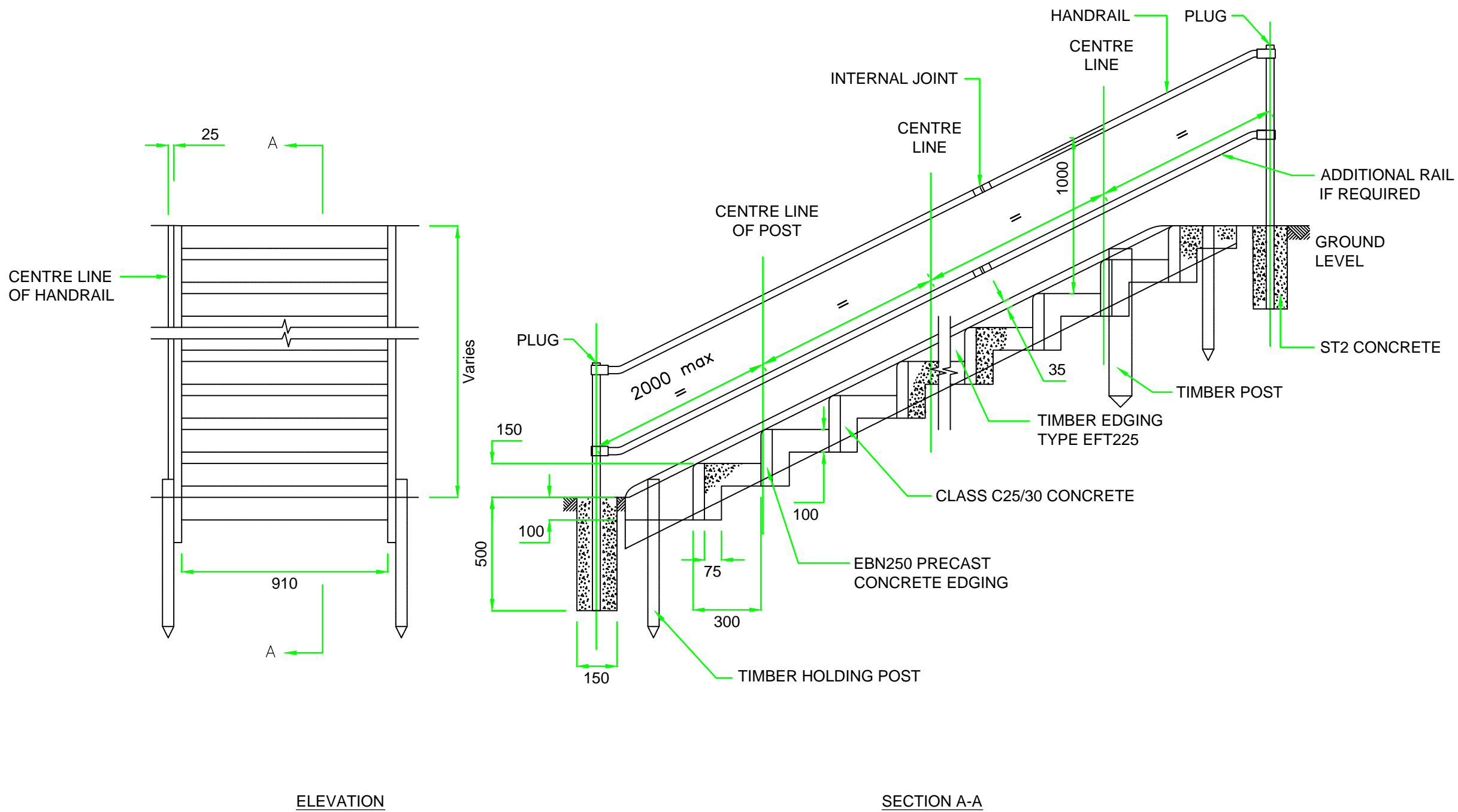
DRAWING TITLE **STEEL PEDESTRIAN GATE**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-015** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. TREAD OF STEPS TO HAVE A TAMPED FINISH.
3. FALL ON TREADS SHALL BE 1:60.
4. TREAD WIDTH OF 300 SHOWN FOR 1:2 SLOPE. FOR 1:2%:189 SLOPE TREAD WIDTH SHALL BE 375 AND FOR 1:3 SLOPE TREAD WIDTH SHALL BE 450.
5. TIMBER EDGING TYPE EFT225 SHALL BE PRESSURE CREOSOTED SOFTWOOD 35 X 225 SECTION TO MCHW CLAUSE 311. IT SHALL BE CUT TO SHAPE AS NECESSARY AT THE TOP OF THE SLOPE.
6. TIMBER HOLDING POSTS SHALL BE PRESSURE CREOSOTED SOFTWOOD TO MCHW CLAUSE 311 50 X 50 X 700 DRIVEN AT 1800 CENTRES. THE EDGING BOARD SHALL BE NAILED TO THE POSTS WITH 75 LONG GALVANISED NAILS DRIVEN FROM THE BOARD SIDE.
7. WHERE JOINTS OCCUR THE EDGING SHALL BE BUTT JOINTED AND THE ENDS OF THE BOARDS SHALL BE NAILED TO TIMBER POSTS. THE TIMBER POSTS SHALL BE PRESSURE TREATED SOFTWOOD TO MCHW CLAUSE 311, 100 X 50 X 700 WITH 75 LONG GALVANISED NAILS DRIVEN FROM THE BOARD SIDE.
8. HANDRAIL AND POSTS TO BE KEE KLAMP SIZE 8 (48.3 O/D) OR EQUIVALENT.
9. CONNECTION OF HANDRAIL TO INTERMEDIATE POSTS SHALL BE BY A TYPE 27-8 JOINT.
10. CONNECTION OF HANDRAIL AND END POSTS SHALL BE BY A TYPE 10-8 JOINT WITH HANDRAIL BENT TO FIT.
11. INTERNAL JOINTS ON HANDRAIL SHALL BE TYPE 18-8.
12. PLUG IN TOP OF END POSTS SHALL BE TYPE 84-8 METAL DRIVE IN PLUG.
13. DISTANCE BETWEEN END HANDRAIL POSTS TO BE EQUALLY DIVIDED BETWEEN INTERMEDIATE POSTS.
14. ALL UPRIGHT HANDRAIL POSTS TO BE SET IN ST2 CONCRETE.
15. HANDRAIL TO BE PROVIDED WHERE SHOWN ON THE DRAWINGS FOR SLOPES UP TO 1 IN 2.
16. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

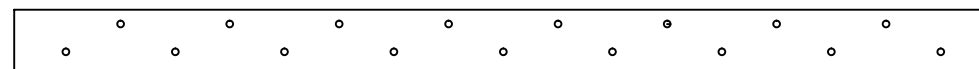
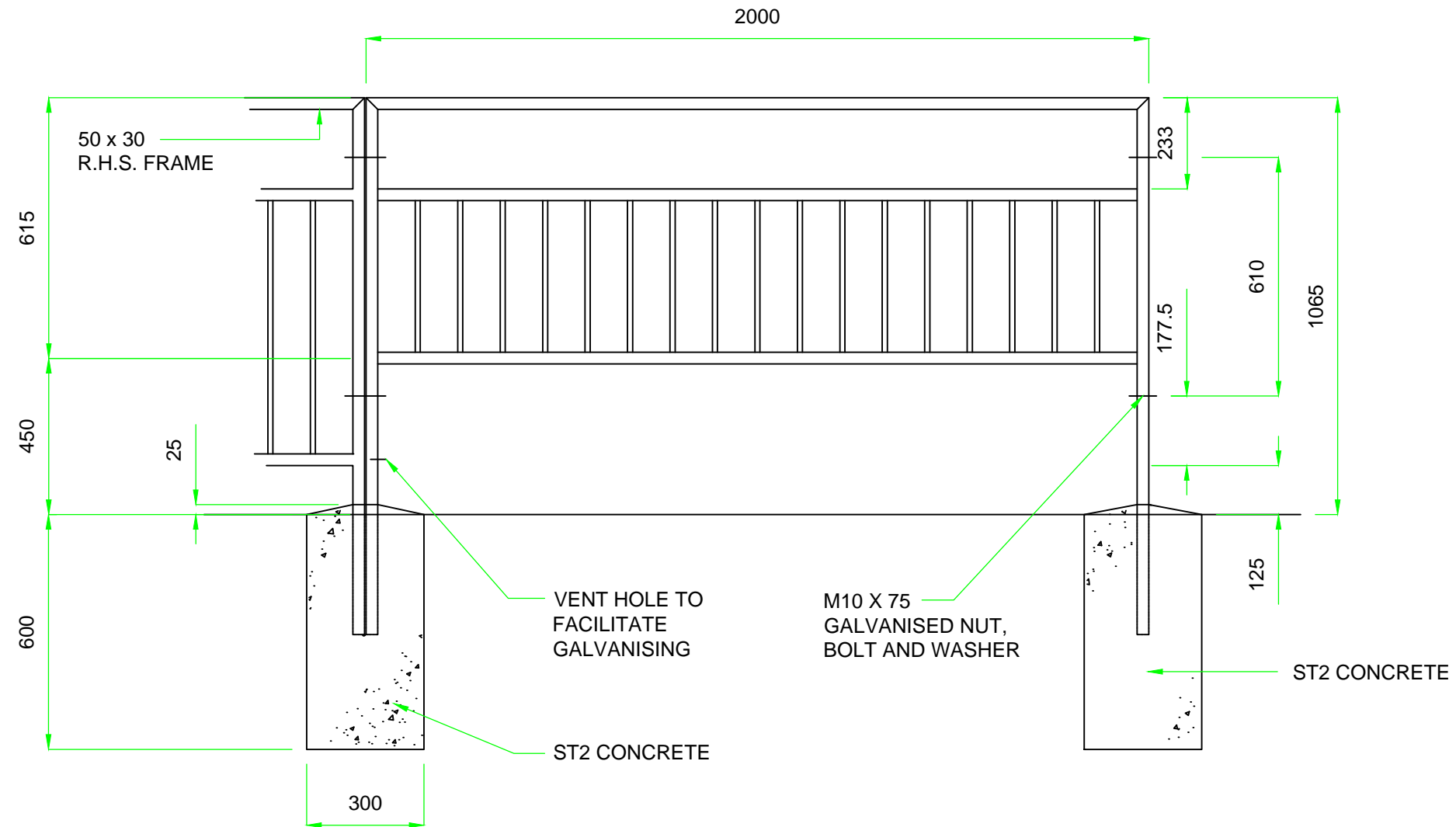
DRAWING TITLE **PEDESTRIAN STEPS IN SIDE SLOPES**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0300-016** REV. **-**





PANEL LAYOUT STAGGERED INFILL TYPE PG2

NOTES

1. DO NOT SCALE FROM DRAWING.
2. GUARDRAIL TO COMPLY WITH BS 7818: 1995 FABRICATED FROM MILD STEEL.
3. PANEL INFILL SIZE TO BE 13 DIA.
4. PANELS TO BE ERECTED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
5. FINISH TO BE HOT DIP GALVANISED TO BS EN ISO 1461.
6. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

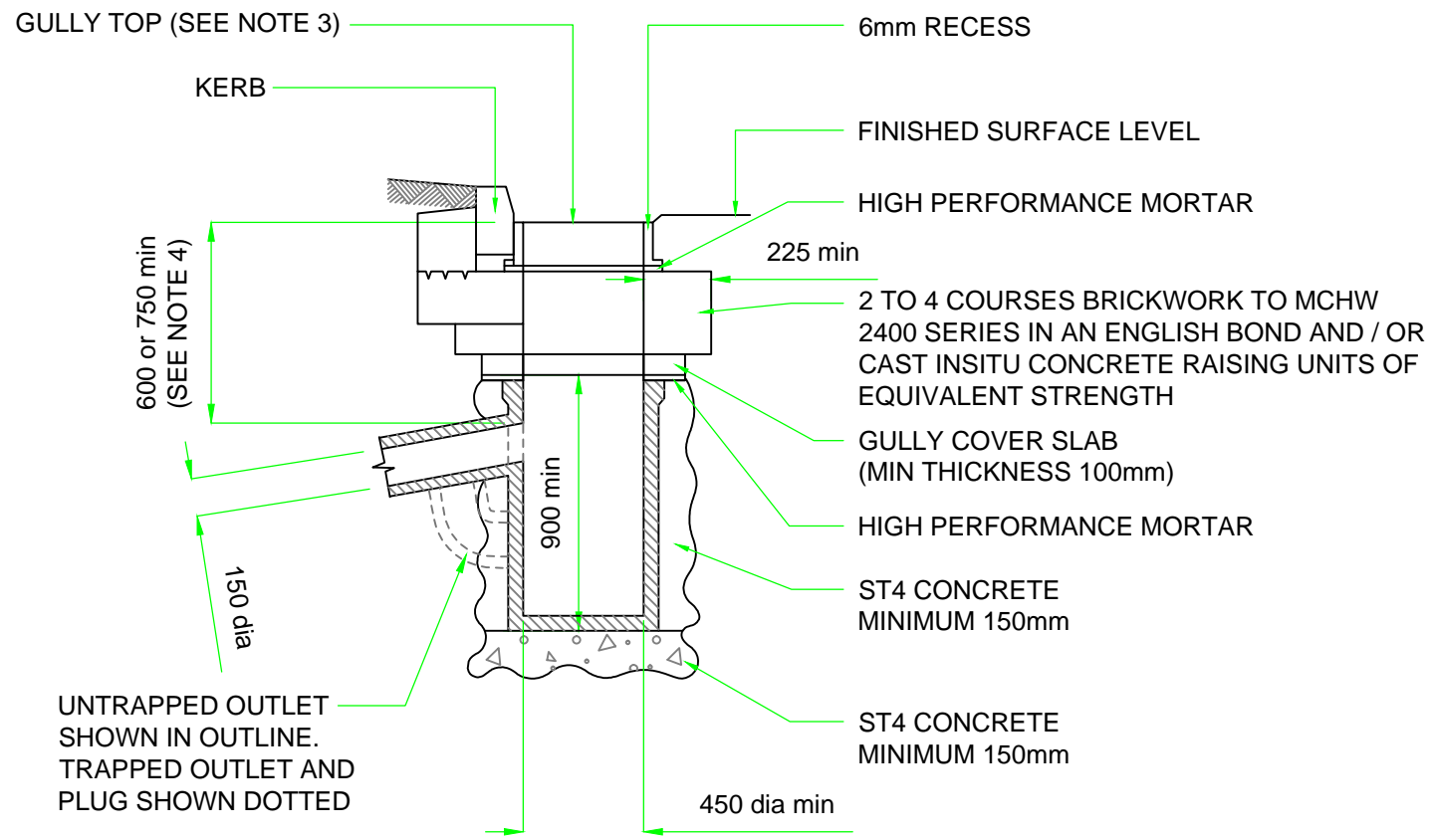
DRAWING TITLE
PEDESTRIAN GUARD RAIL SHALLOW INFILL PANEL

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

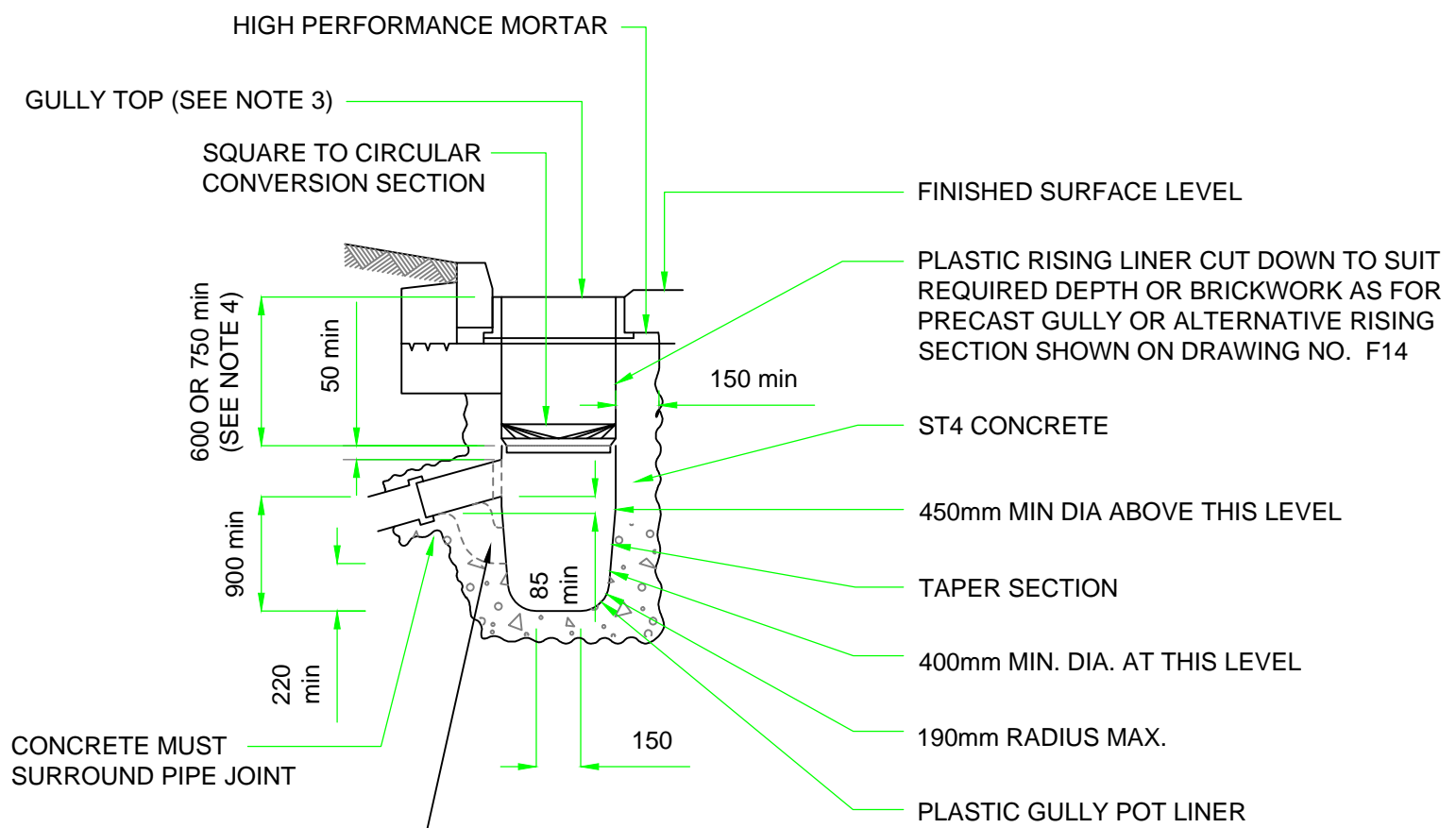
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S.**

DRAWING No. **ECC-SD-0300-017** REV. **-**

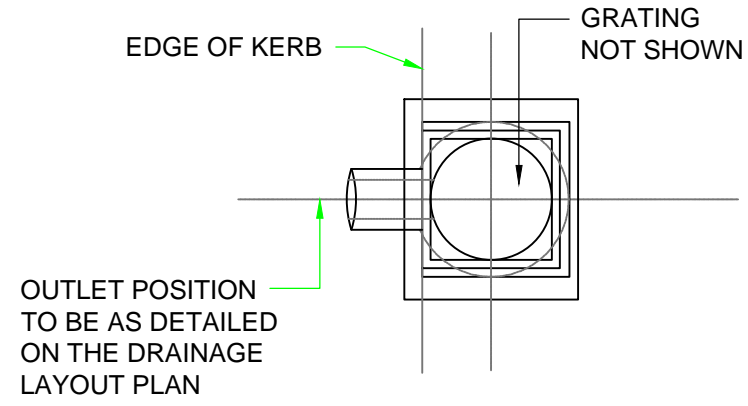




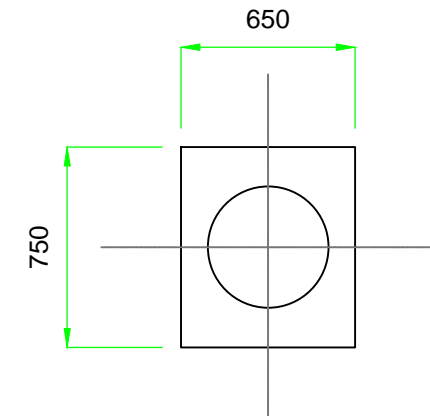
PRECAST GULLY
(CONCRETE OR PLASTIC)



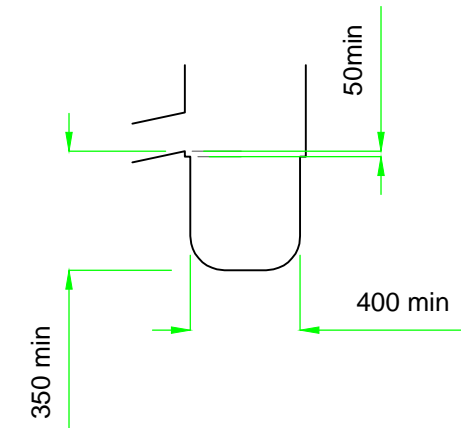
INSITU CAST GULLY



PLAN



GULLY COVER SLAB



ALTERNATIVE INSITU CAST SUMP
(PARALLEL SIDES)

NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- GULLY COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN. GULLY COVER TO BE PEDESTRIAN FRIENDLY IN SHARED AREAS.
- THE MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE TOP OF THE GULLY OUTLET IS TO BE 750mm WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY OR A HARD SHOULDER AND 600mm ELSEWHERE.
- PRECAST CONCRETE GULLIES AND COVER SLABS SHALL BE TO B.S. 5911-6:2010.
- WHEN AN INSITU CAST GULLY HAS A TRAP, THE STOPPERS SHALL COMPLY WITH THE REQUIREMENTS OF B.S. 5911-4 AND BS EN 1917.
- ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **SINGLE GULLIES**

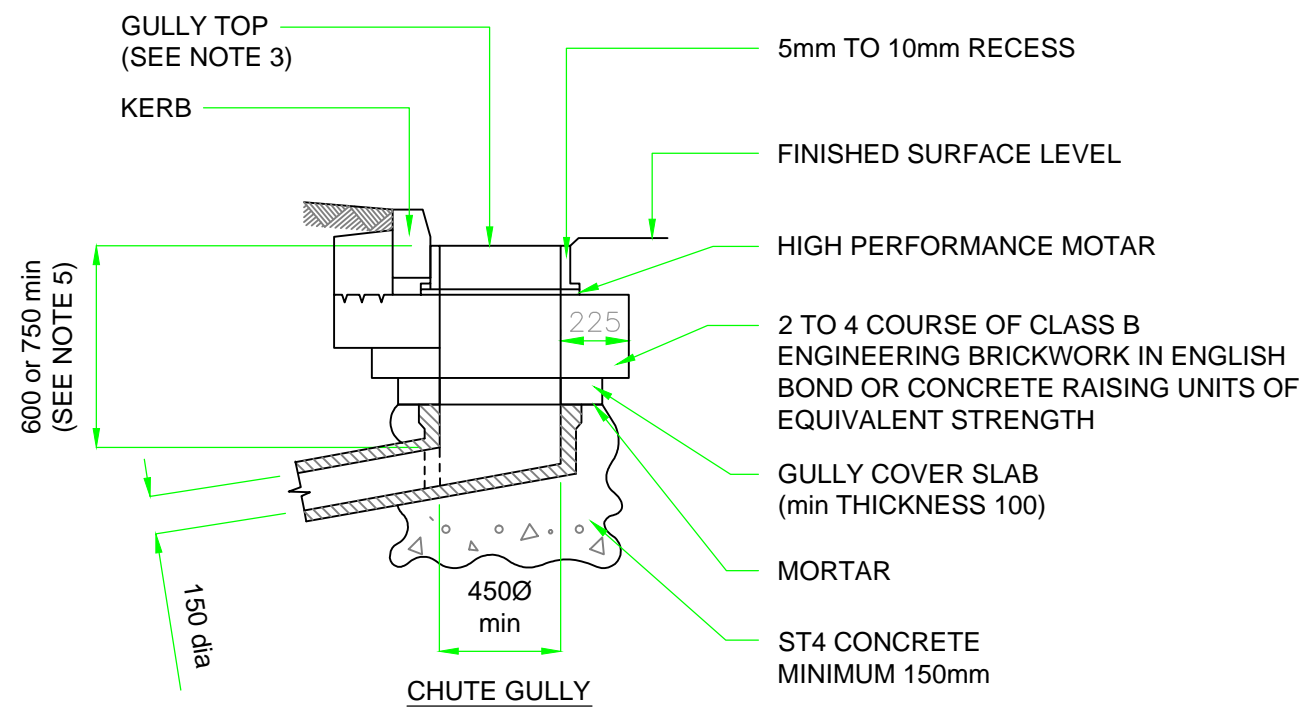
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC

DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-001** REV. **-**





NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- GULLY COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN. GULLY COVER TO BE PEDESTRIAN FRIENDLY IN SHARED AREAS.
- THE MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE TOP OF THE GULLY OUTLET IS TO BE 750mm WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY OR A HARD SHOULDER AND 600mm ELSEWHERE.
- PRECAST CONCRETE GULLIES AND COVER SLABS SHALL BE TO B.S. 5911-6:2010.
- WHEN AN INSITU CAST GULLY HAS A TRAP, THE STOPPERS SHALL COMPLY WITH THE REQUIREMENTS OF B.S. 5911-4 AND BS EN 1917.
- ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

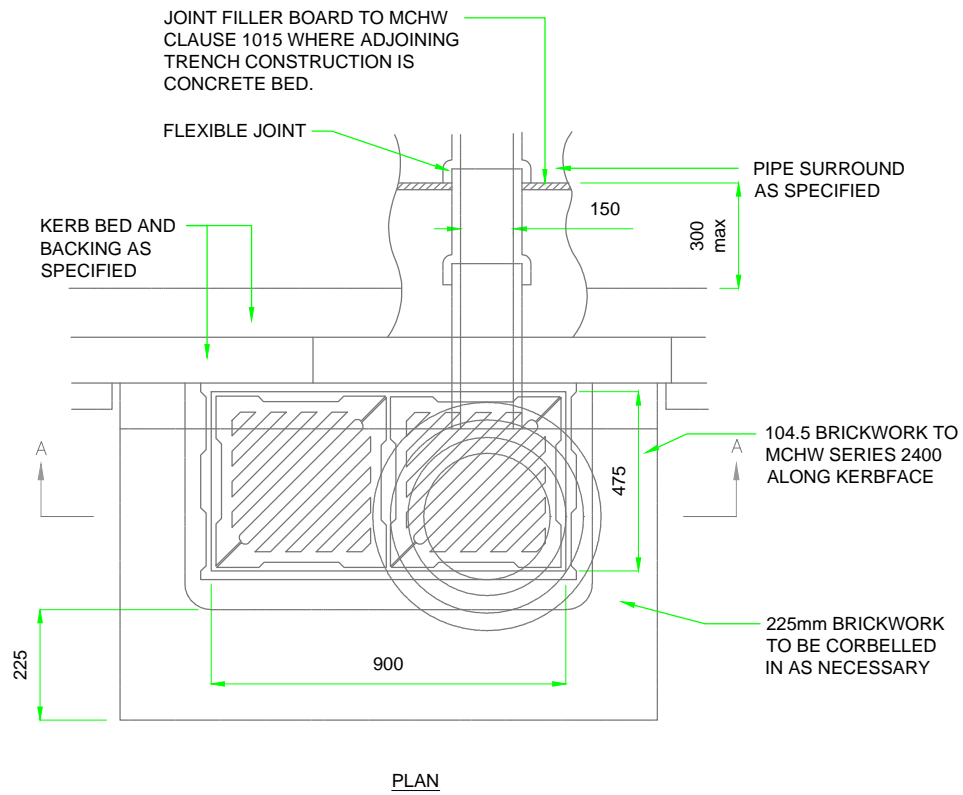
DRAWING TITLE **SUMPLESS / CHUTE GULLY**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

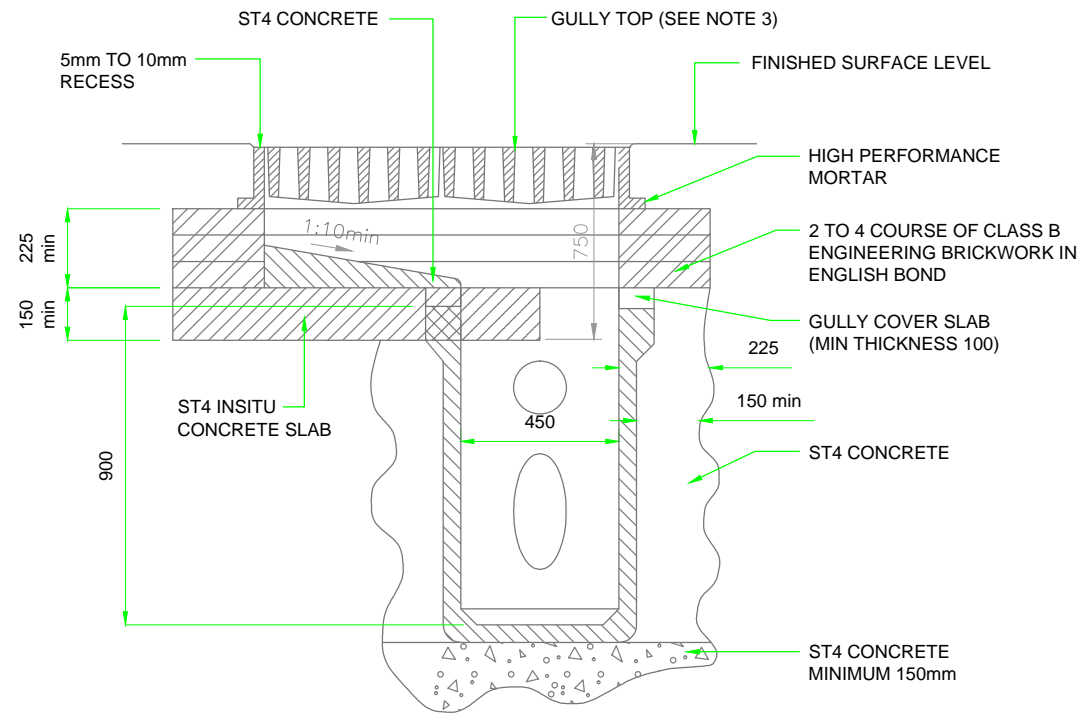
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-002** REV. **-**

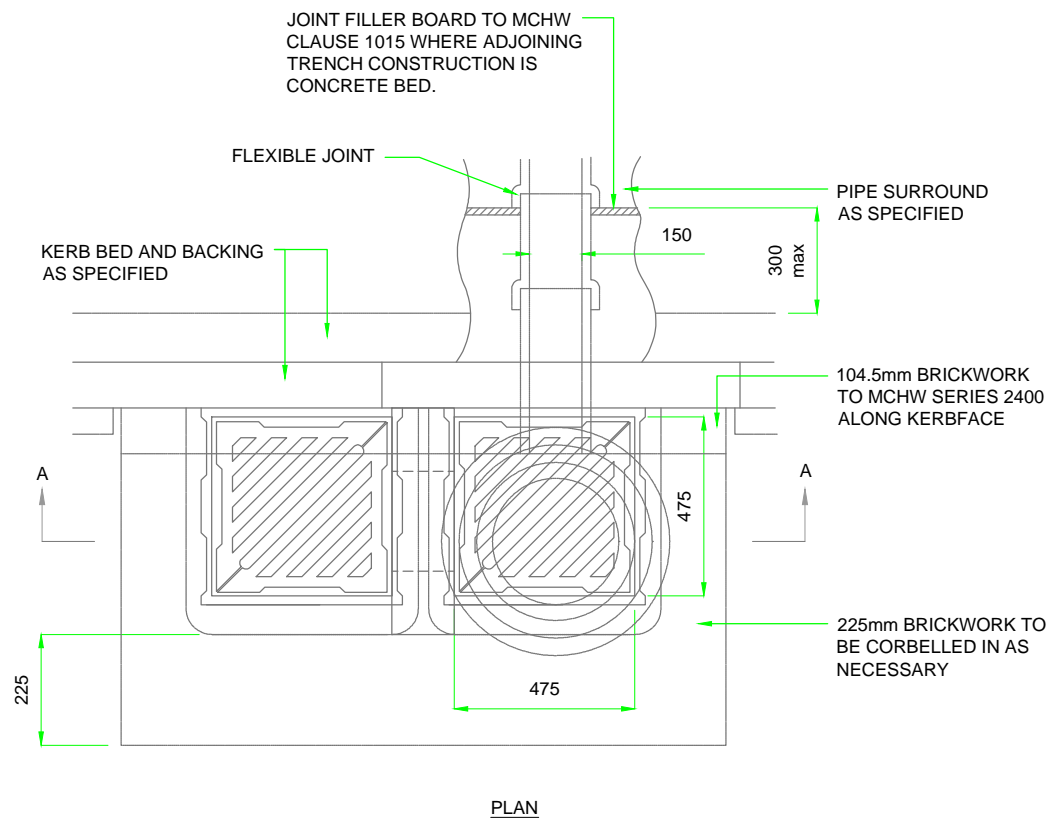




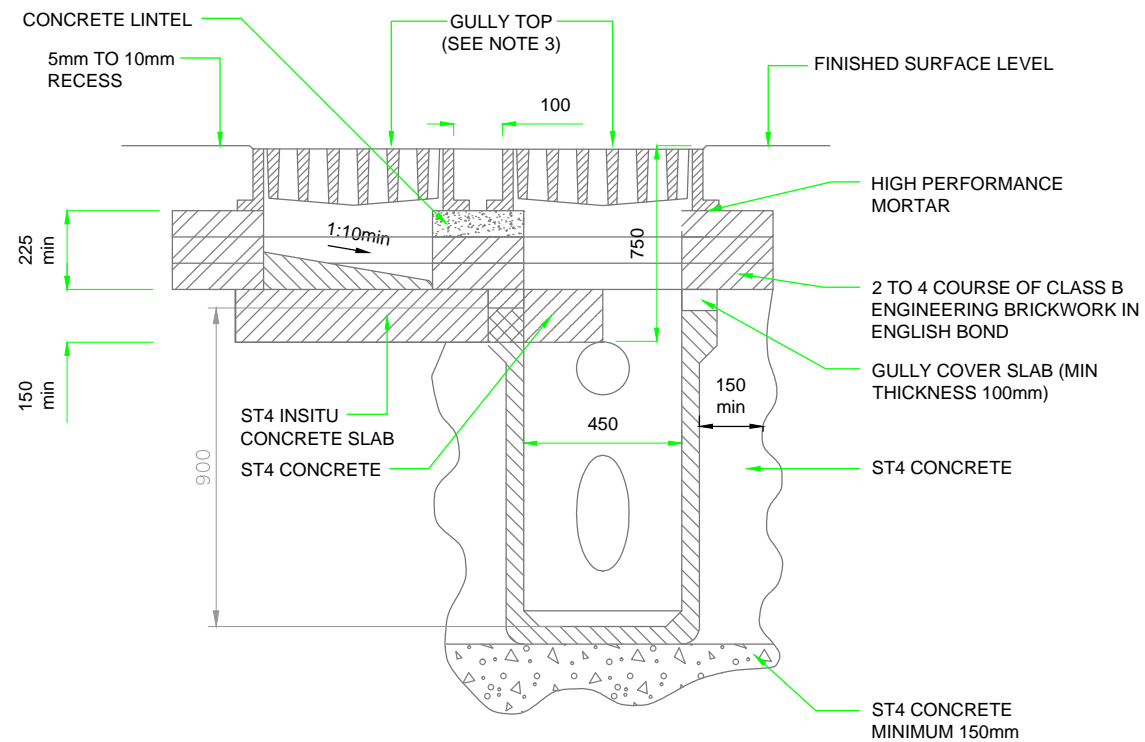
PLAN



SECTION ON A-A



PLAN



SECTION ON A-A

NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- GULLY COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN. GULLY COVER TO BE PEDESTRIAN FRIENDLY IN SHARED AREAS.
- THE MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE TOP OF THE GULLY OUTLET IS TO BE 750mm WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY OR A HARD SHOULDER AND 600mm ELSEWHERE.
- PRECAST CONCRETE GULLIES AND COVER SLABS SHALL BE TO B.S. 5911-6:2010.
- WHEN AN INSITU CAST GULLY HAS A TRAP, THE STOPPERS SHALL COMPLY WITH THE REQUIREMENTS OF B.S. 5911-4 AND BS EN 1917.
- ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev.	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DRAWINGS**

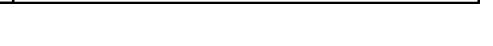
DRAWING TITLE **DOUBLE GULLY**

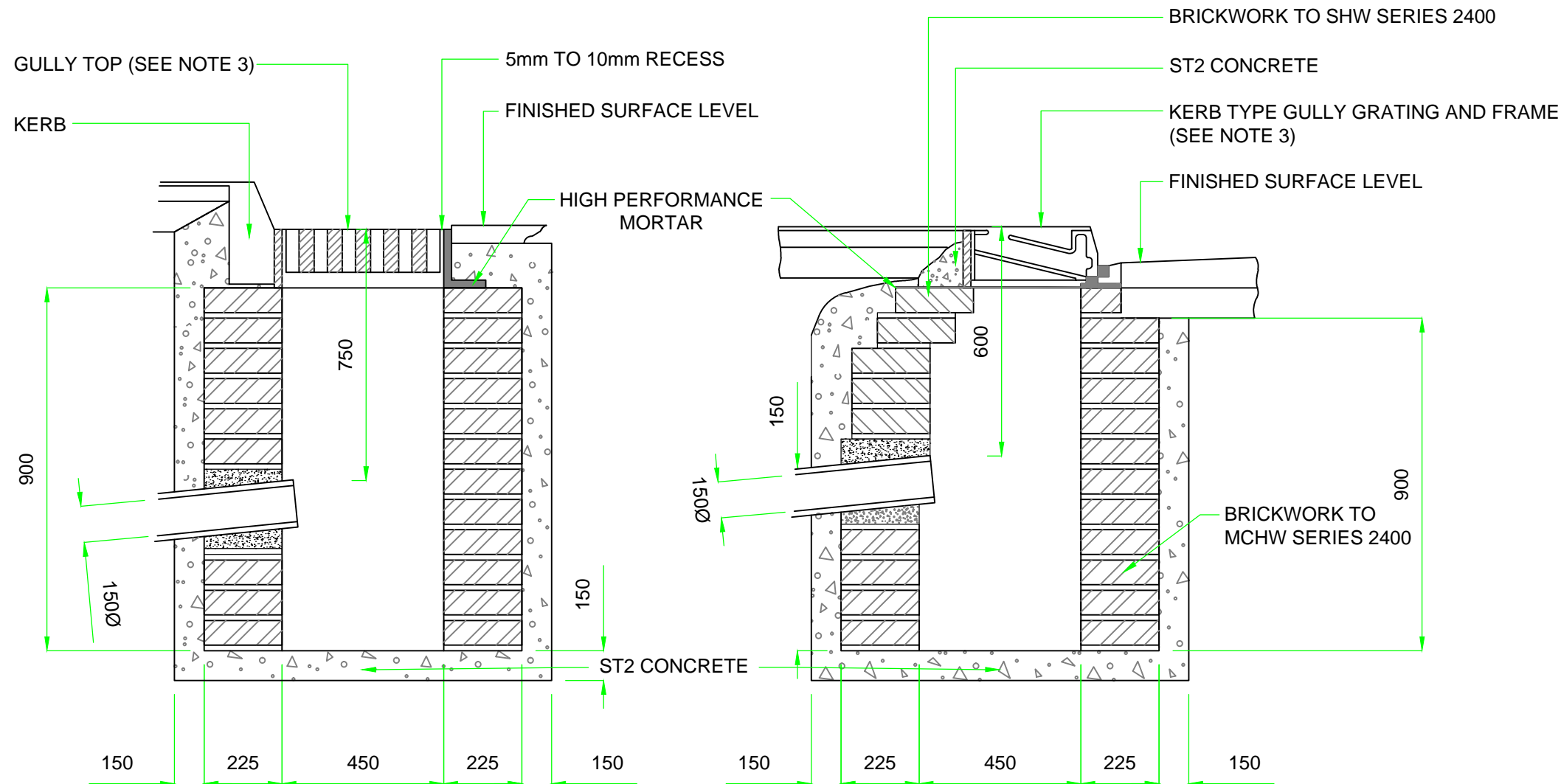
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/CC	EH	ECC

DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A2 (594x420mm) N.T.S.

DRAWING No. **ECC-SD-0500-003** REV. -





BRICK GULLIES
(TO ONLY BE USED BY PRIOR AGREEMENT OF THE ENGINEER)

NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. GULLY COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN. GULLY COVER TO BE PEDESTRIAN FRIENDLY IN SHARED AREAS.
4. THE MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE TOP OF THE GULLY OUTLET IS TO BE 750mm WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY OR A HARD SHOULDER AND 600mm ELSEWHERE.
5. PRECAST CONCRETE GULLIES AND COVER SLABS SHALL BE TO B.S. 5911-6:2004.
6. WHEN AN INSITU CAST GULLY HAS A TRAP, THE STOPPERS SHALL COMPLY WITH THE REQUIREMENTS OF B.S. 5911-4 AND BS EN 1917.
7. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.
8. BRICKWORK TO BE CONSTRUCTED IN ENGLISH BOND.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

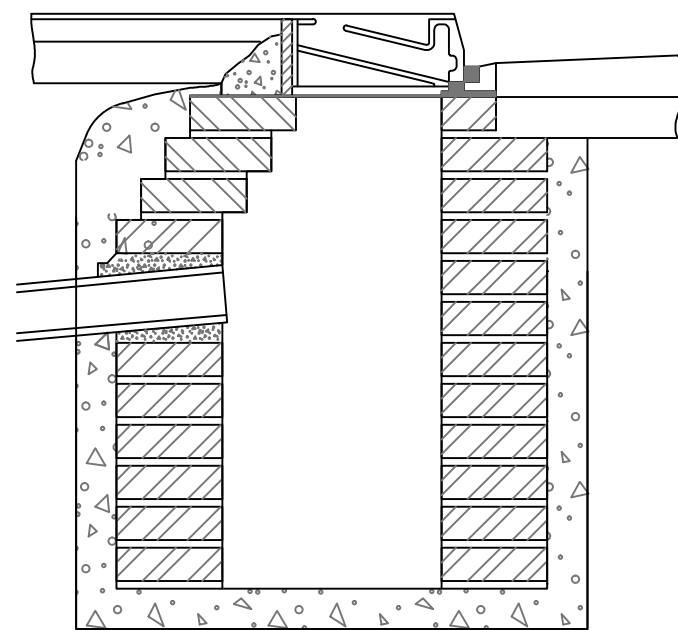
DRAWING TITLE **SINGLE GULLIES BRICK**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

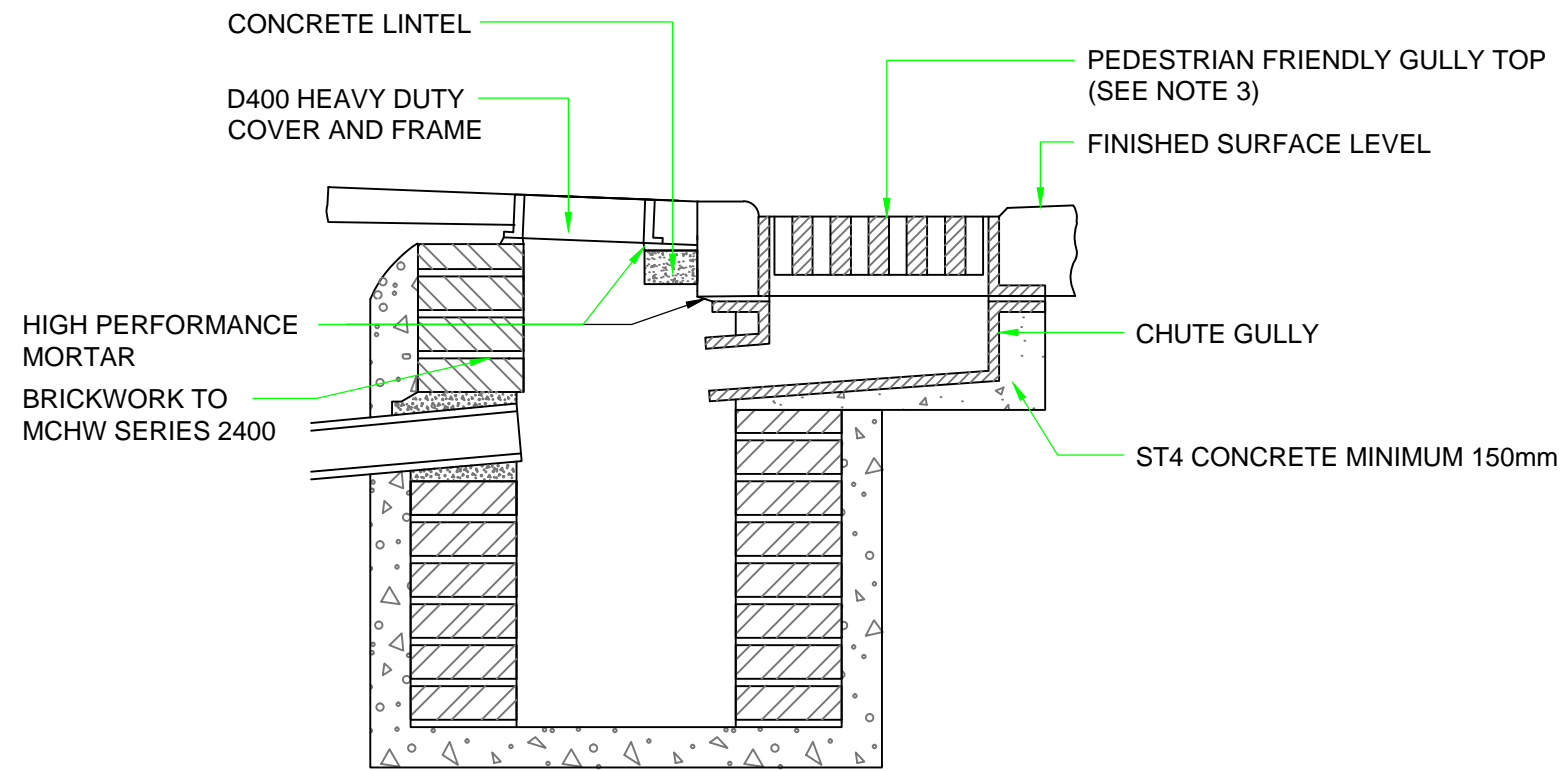
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-004** REV. **-**





EXISTING KERB OUTLET



NEW DROPPED KERB ARRANGEMENT

NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- GULLY COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN. GULLY COVER TO BE PEDESTRIAN FRIENDLY IN SHARED AREAS.
- THE MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE TOP OF THE GULLY OUTLET IS TO BE 750mm WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY OR A HARD SHOULDER AND 600mm ELSEWHERE.
- PRECAST CONCRETE GULLIES AND COVER SLABS SHALL BE TO B.S. 5911-6:2010.
- WHEN AN INSITU CAST GULLY HAS A TRAP, THE STOPPERS SHALL COMPLY WITH THE REQUIREMENTS OF B.S. 5911-4 AND BS EN 1917.
- ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

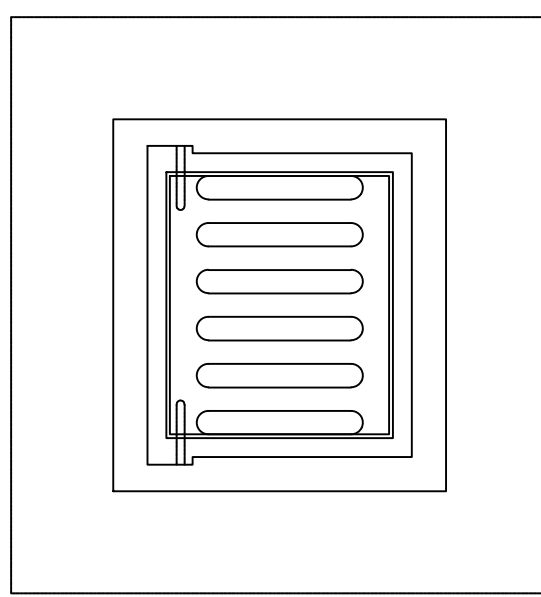
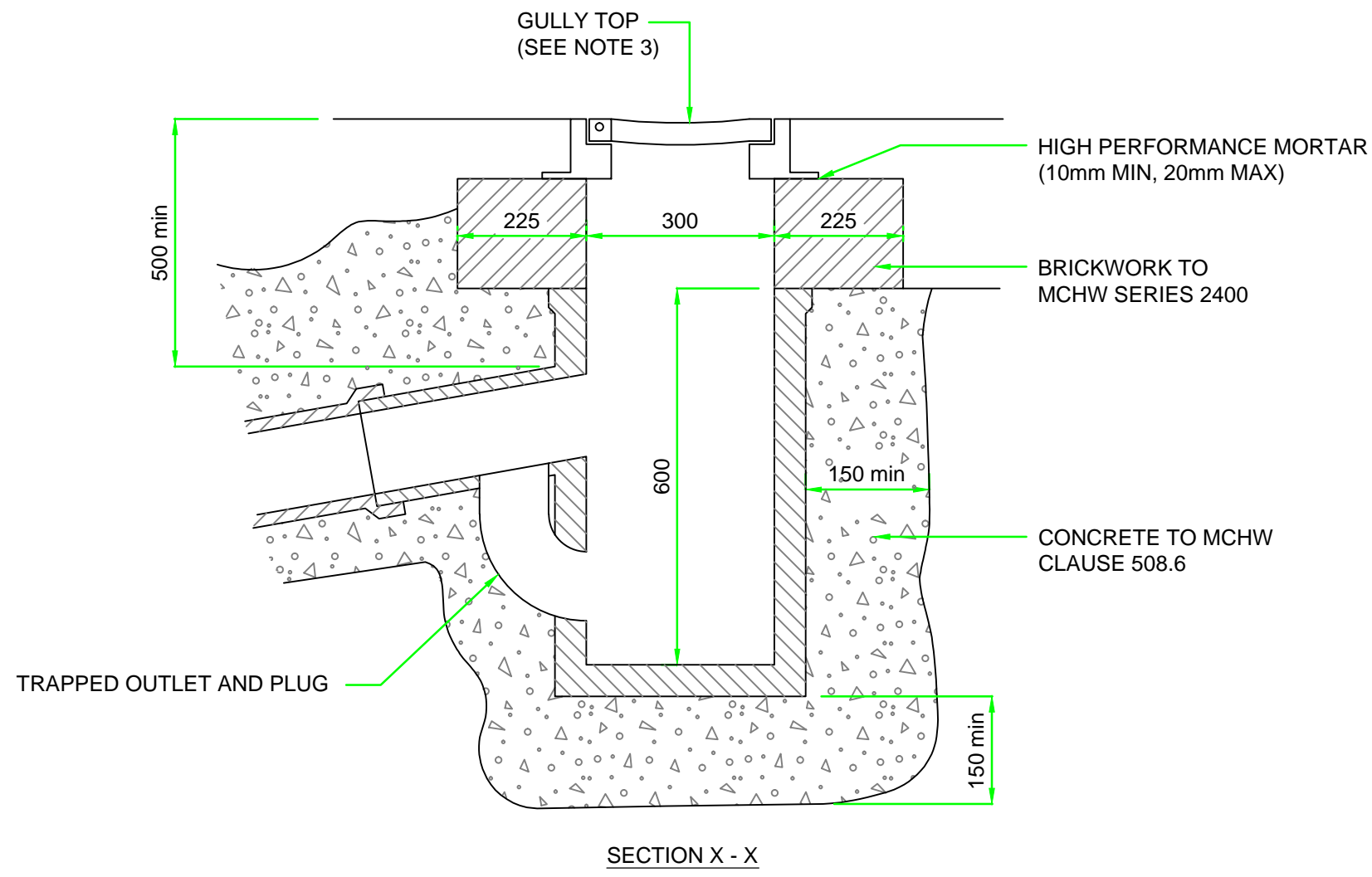
DRAWING TITLE **KERB OUTLET IN DROPPED CROSSING**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-005** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES.
3. GULLY COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN. GULLY COVER TO BE PEDESTRIAN FRIENDLY IN SHARED AREAS.
4. THE NUMBER OF COURSES OF BRICKWORK NEEDED TO GIVE REQUIRED OUTLET DEPTH MAY VARY .
5. GULLIES:
 - 5.1. VITRIFIED CLAY TRAPPED ROAD GULLY AS HEPWORTH CODE 213, INTERNAL DIAMETER 300mm, INTERNAL DEPTH 600mm, OUTLET DIAMETER 150mm, OR EQUIVALENT.
 - 5.2. PRECAST CONCRETE GULLIES AND COVER SLABS SHALL BE TO B.S. 5911-6:2010 INTERNAL DIAMETER 300mm, INTERNAL DEPTH 600mm, OUTLET DIAMETER 150mm.
 - 5.3. BRICK GULLIES SHALL BE IN 225mm BRICKWORK TO MCHW SERIES 2400, 300mm X 300mm INTERNAL DIMENSIONS, INTERNAL DEPTH 600mm.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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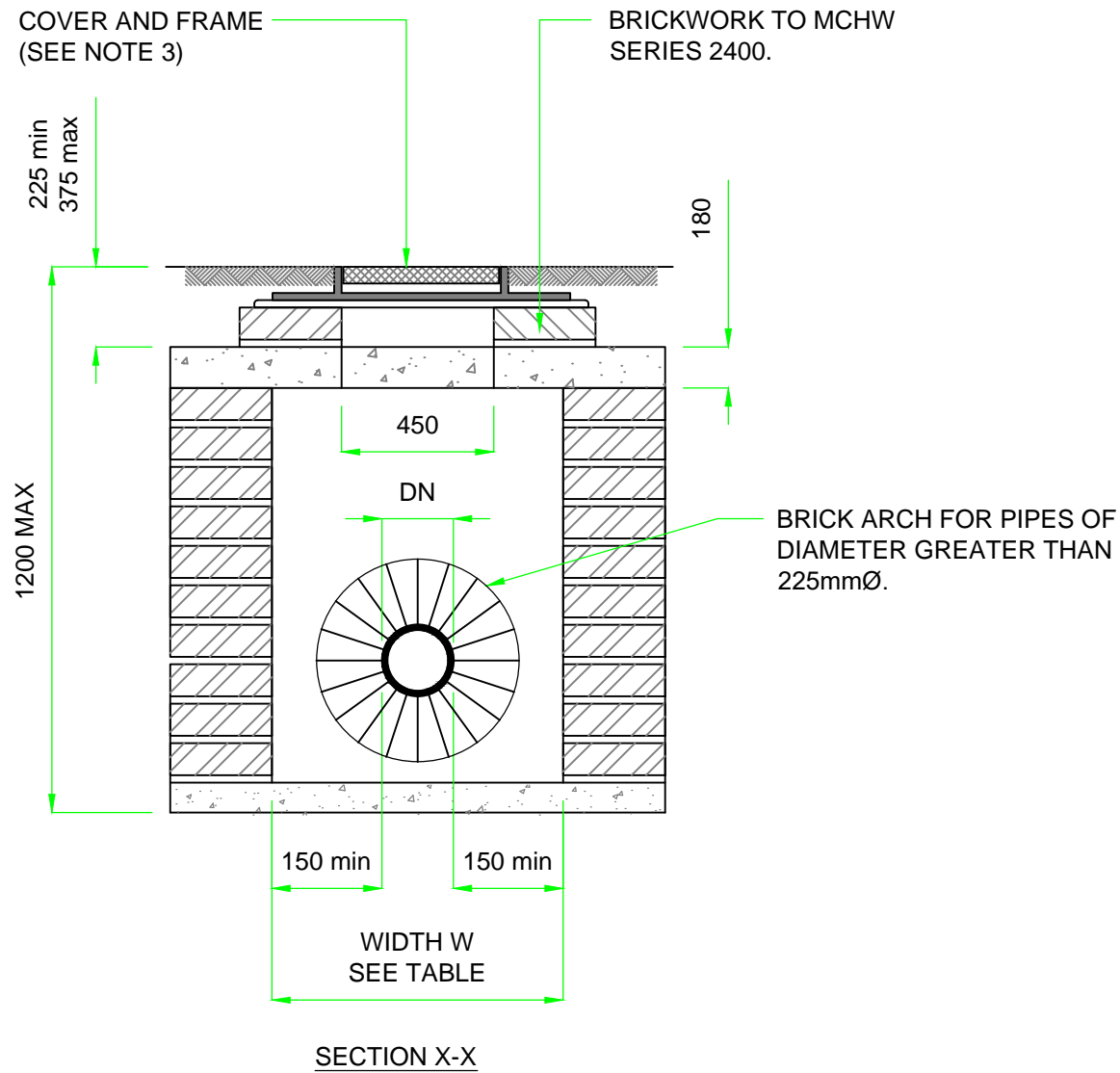
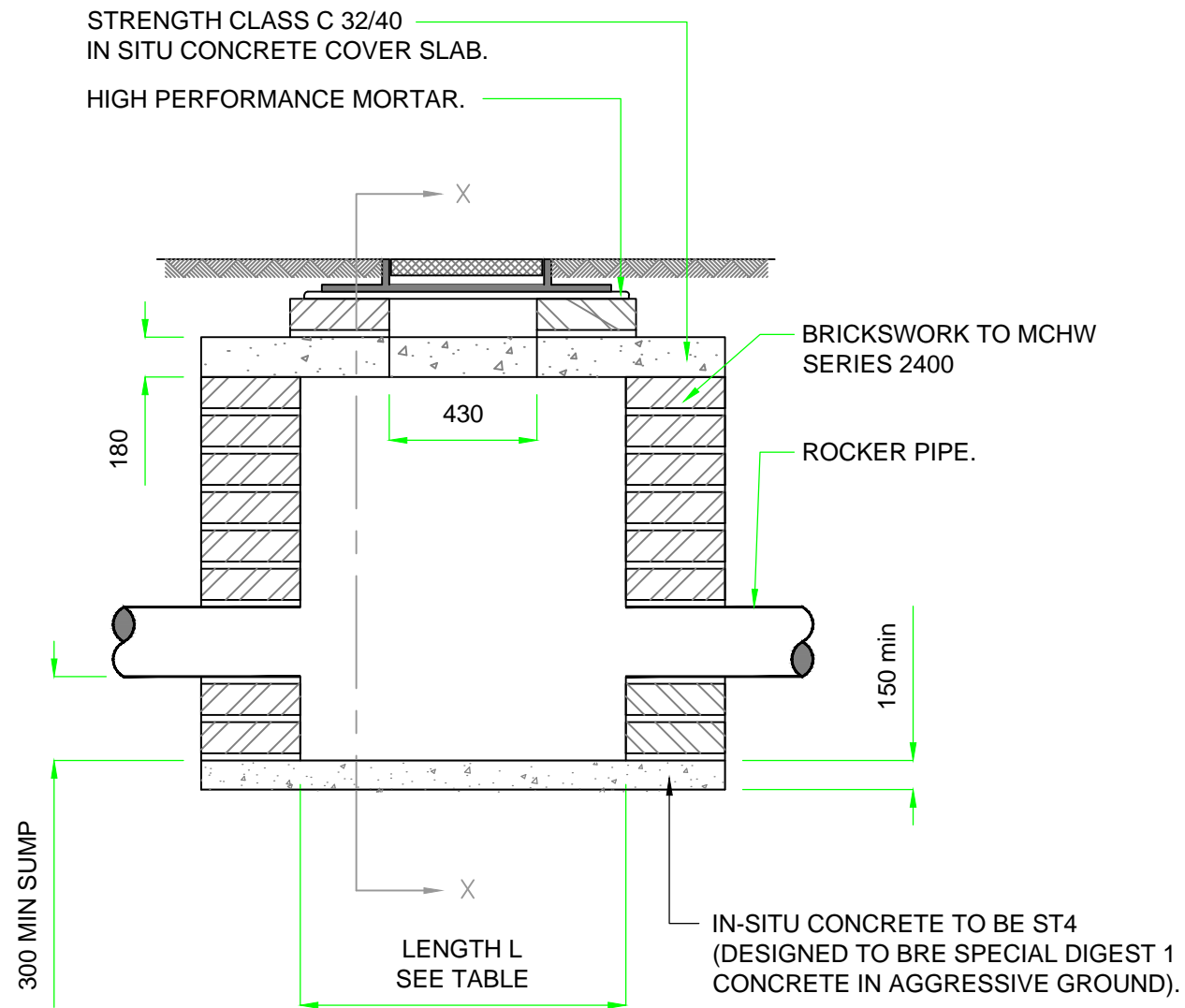
SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **YARD GULLY**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S

DRAWING No. **ECC-SD-0500-006** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN. COVER TO BE PEDESTRIAN FRIENDLY IN SHARED AREAS.
4. CHAMBER WALLS 225mm THICK TO BE CONSTRUCTED IN CLASS B CLAY ENGINEERING BRICKS TO SHW SERIES 2400 IN DESIGNATION (i) MORTAR OR IN-SITU ST4 CONCRETE TO MCHW, CLAUSE 2602.
5. BRICKWORK TO BE CONSTRUCTED IN ENGLISH BOND.
6. SEE MCHW, SUB-CLAUSE 507.7 FOR BACKFILLING/SURROUND TO CHAMBER.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

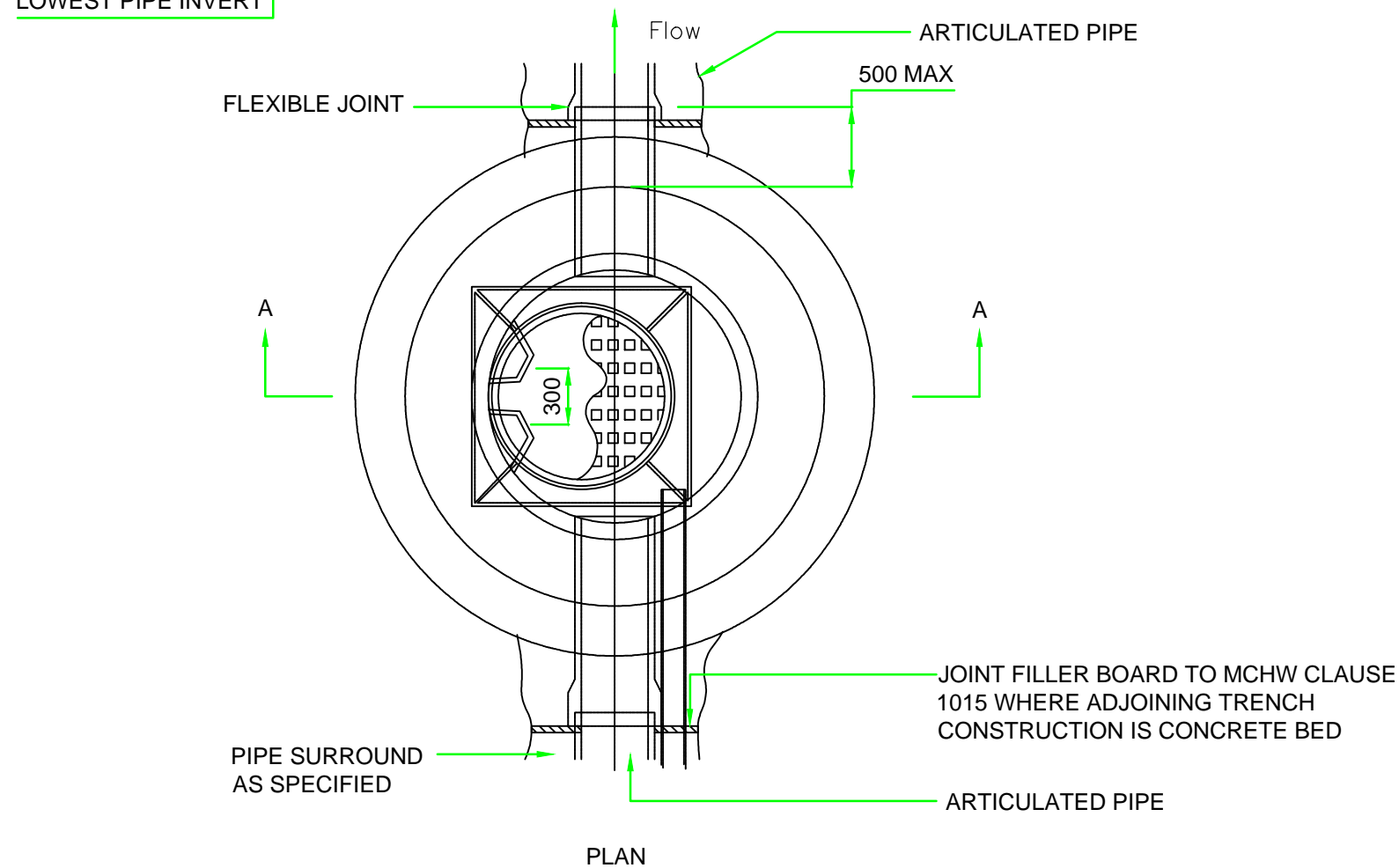
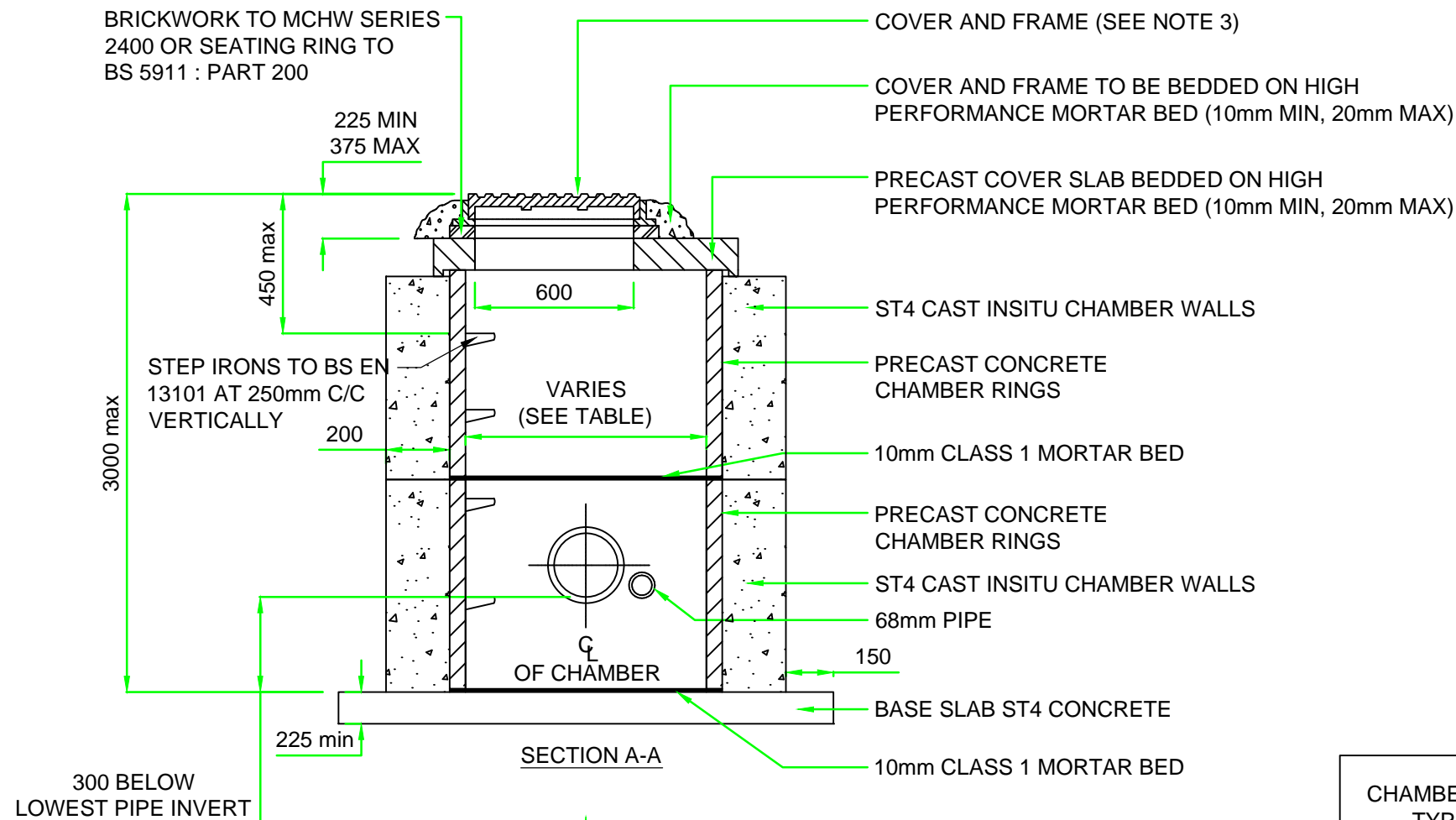
DRAWING TITLE **BRICK CHAMBER**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-007** REV. **-**

CHAMBER SUB-TYPE					
SUB-TYPE	No: OF BRANCHES	LENGTH L	WIDTH W	MAX. PIPE DN	REINFORCEMENT T20 BARS AT C/C
9A	0	450	450	150	NIL
9B	0	450	600	300	4 No. 800 LONG
9C	1	1000	600	150	10 No. 950 LONG 4. No. 1350 LONG
9C	2	1001	601	151	10 No. 1100 LONG
9C	3	1002	602	152	6 No. 1350 LONG



CHAMBER SUB TYPES	CHAMBER RING DIA	MAX PIPE DIA
20	1050	450
20a	1200	600
20b	1350	675
20c	1500	900
20d	1800	1200
20e	2100	

NOTES

- DO NOT SCALE FROM DRAWING.
- ALL DIMENSIONS ARE IN MILLIMETRES.
- GULLY COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN.
- CHAMBER WALLS AND COVER SLAB TO BE CONSTRUCTED IN PRECAST CONCRETE TO BS EN 1917 AND BS 5911-3.
- FOR INVERT DETAILS, NUMBER OF BRANCHES AND TYPE OF COVER AND FRAME SEE SCHEDULE OF CHAMBERS.
- CONCRETE BASE SLAB SHALL BE 300mm GREATER IN DIAMETER THAN OUTER DIAMETER OF CHAMBER WALLS
- SEE MCHW CLAUSE 507 REGARDING BACKFILLING/SURROUND TO CHAMBER.
- CAST INSITU CHAMBER WALLS OF ST4 CONCRETE TO 150mm MIN. ABOVE HIGHEST PIPE, MINIMUM THICKNESS OF WALL TO BE CHAMBER RING PLUS 200mm AND THE INTERNAL DIAMETER OF THE INSITU CHAMBER SHALL BE EQUAL TO THE INTERNAL DIAMETER OF THE PRECAST RINGS.
- FOR PIPES 600mm DIAMETER AND GREATER A SAFETY CHAIN SHALL BE PROVIDED AS DETAILED ON DRAWING NUMBERS F5 AND F10 OF H.C.D.
- ALL FITTINGS TO BE FABRICATED FROM STEEL TO BS.970 AND ARE TO BE PROTECTED BY HOT DIP GALVANISING.
- 68mm NOMINAL BORE PIPE 600mm LONG TO BS EN 12200-1:2000 TABLE I TO BE BUILT INTO CATCHPIT TO DRAIN LOWER PORTION OF TRENCH FOR SURFACE WATER DRAINS TO TABLE 1 OF APPENDIX 5/1.
- WHERE INLET AND OUTLET PIPES HAVE THE SAME INVERT LEVEL THE 68mm PIPE SHALL BE SET 50mm ABOVE THE INVERT LEVEL. WHERE THE OUTLET PIPE INVERT IS MORE THAN 50mm LOWER THAN THE LOWEST INLET PIPE INVERT THE INVERT OF THE 68mm PIPE SHALL HAVE THE SAME INVERT LEVEL AS THE INLET PIPE.
- ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **FOR APPROVAL**



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SCHEME TITLE

STANDARD DETAILS

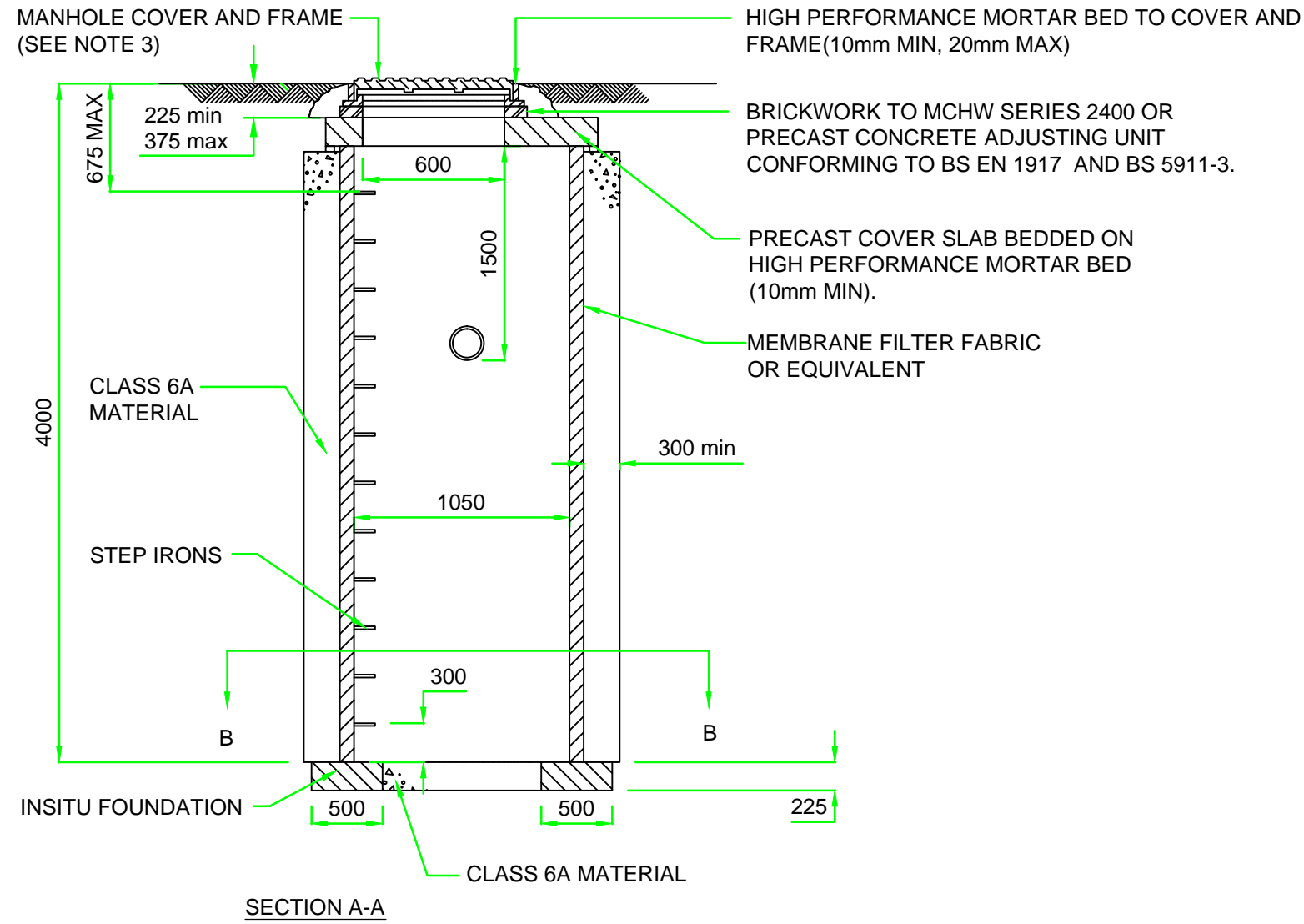
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PRECAST CONCRETE CATCHPIT (PIPES 1200 MAX DIA 0-3000 DEPTH) TYPE 20 CHAMBER

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

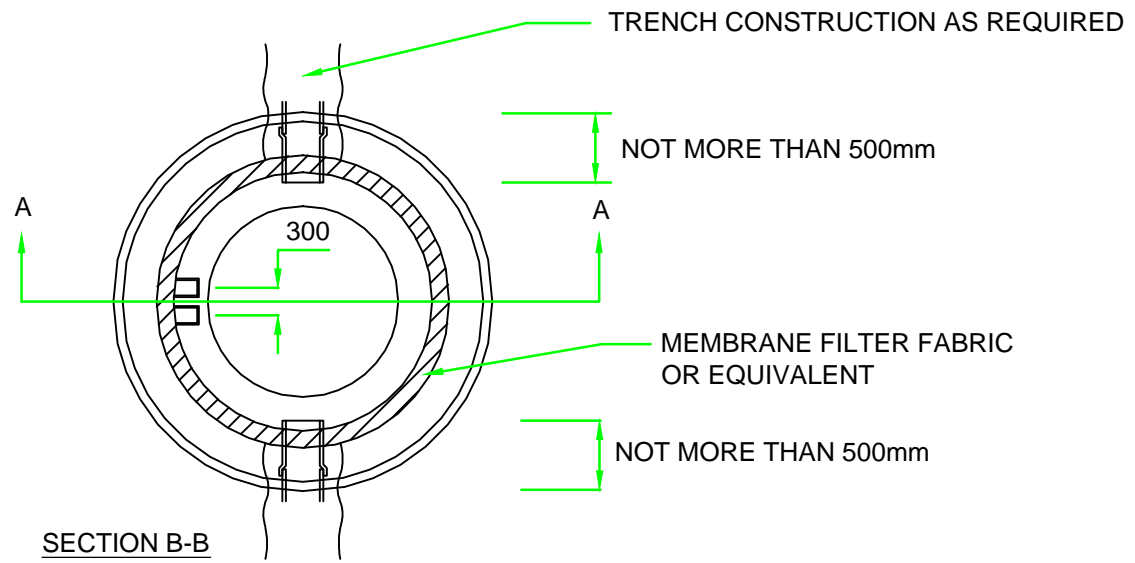
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-008** REV. **-**





SECTION A-A



SECTION B-B

NOTES

1. DO NOT SCALE FROM THIS DRAWING
2. MANHOLE COVERS AND FRAMES AS BS EN124:2015. REFERENCE TYPE AS LISTED IN THE SCHEDULE OF CHAMBERS.
3. GULLY COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN.
4. CHAMBER WALLS AND COVER SLAB TO BE CONSTRUCTED IN PRECAST CONCRETE TO BS EN 1917 AND BS 5911-3 WITH 2 STAGGERED ROWS OF 10 NO.75mm DIAMETER PERFORATIONS PER METRE HEIGHT OF SOAKAWAY BELOW INVERTS OF PIPES.
5. EXCAVATION AROUND CHAMBER SHALL BE BACKFILLED WITH CLASS 6A MATERIAL TO MCHW TABLE 6/1. ANY OVERBREAK AND WORKING SPACE ALSO TO BE BACKFILLED WITH CLASS 6A MATERIAL.
6. INSITU FOUNDATION TO BE CLASS C32/40 CONCRETE TO MCHW CLAUSE 1704.
7. THE LENGTH OF PIPE FROM THE CHAMBER TO THE FIRST JOINT SHALL NOT BE MORE THAN 500mm. BETWEEN THIS JOINT AND THE NEXT JOINT THE LENGTH OF THE ARTICULATED PIPE SHALL BE IN ACCORDANCE WITH MCHW TABLE 5/6.
8. MORTAR TO BE DESIGNATION (i) TO MCHW SERIES 2400.
9. STEP IRONS TO COMPLY WITH BS EN 13101.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **PRECAST CONCRETE SOAKAWAY**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

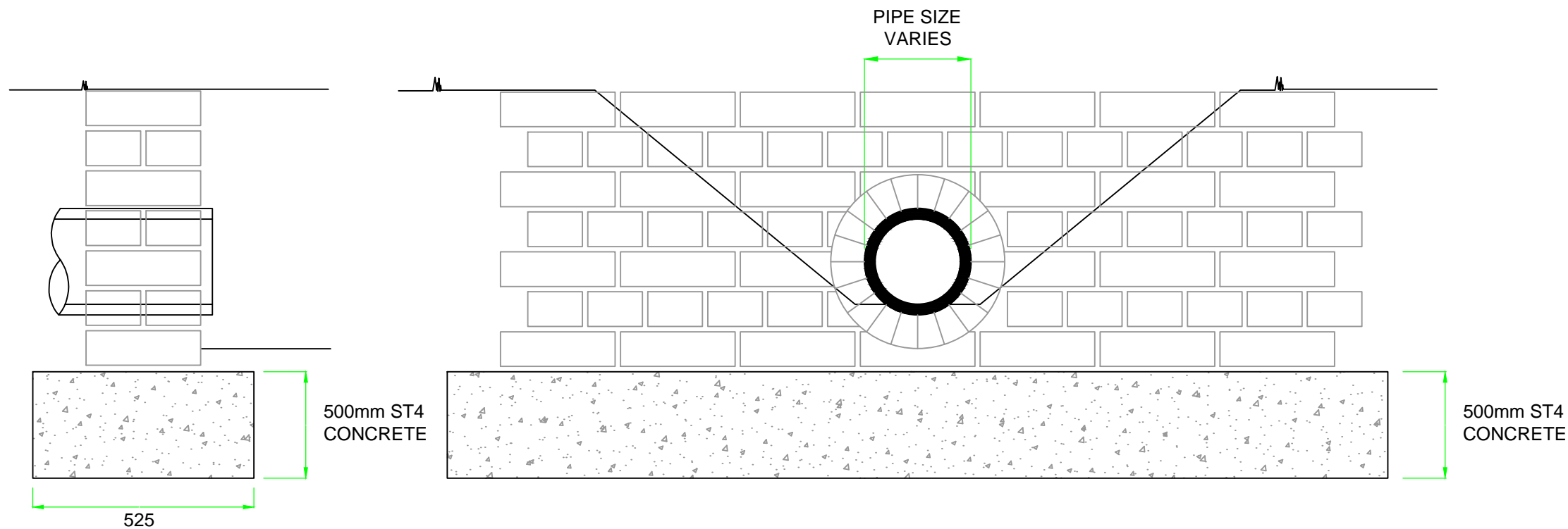
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-009** REV. **-**



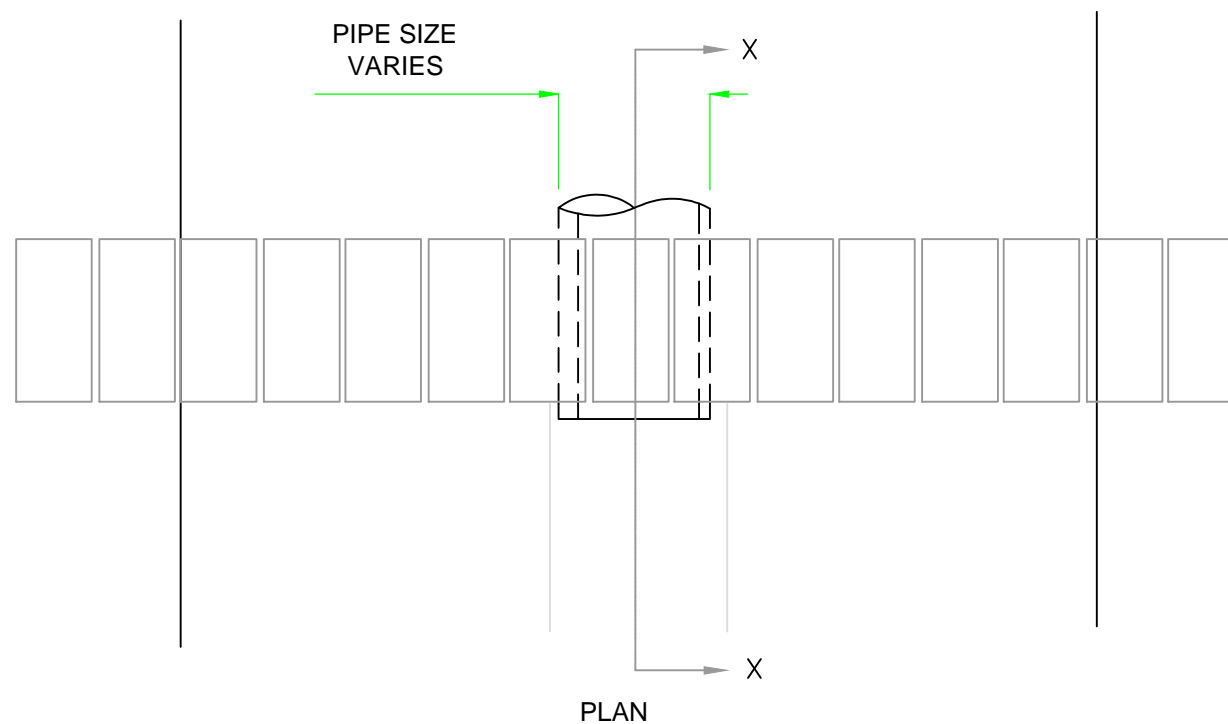
NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. FOR PIPE SIZE REFER TO DRAINAGE PLAN / HEADWALL SCHEDULE.
4. PIPES ENTERING HEADWALLS SHALL HAVE A FLEXIBLE JOINT WITHIN 500mm OF THE REAR FACE OF THE HEADWALL THIS SHALL JOIN THE NEXT PIPE A MAXIMUM LENGTH IN COMPLIANCE WITH TABLE 5/6 OF SERIES 500.
5. BRICKWORK TO BE CONSTRUCTED IN ENGLISH BOND.
6. BRICK TO BE CLASS B ENGINEERING IN ACCORDANCE WITH MCHW SERIES 2400.
7. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602



SECTION X-X

END ELEVATION



PLAN

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

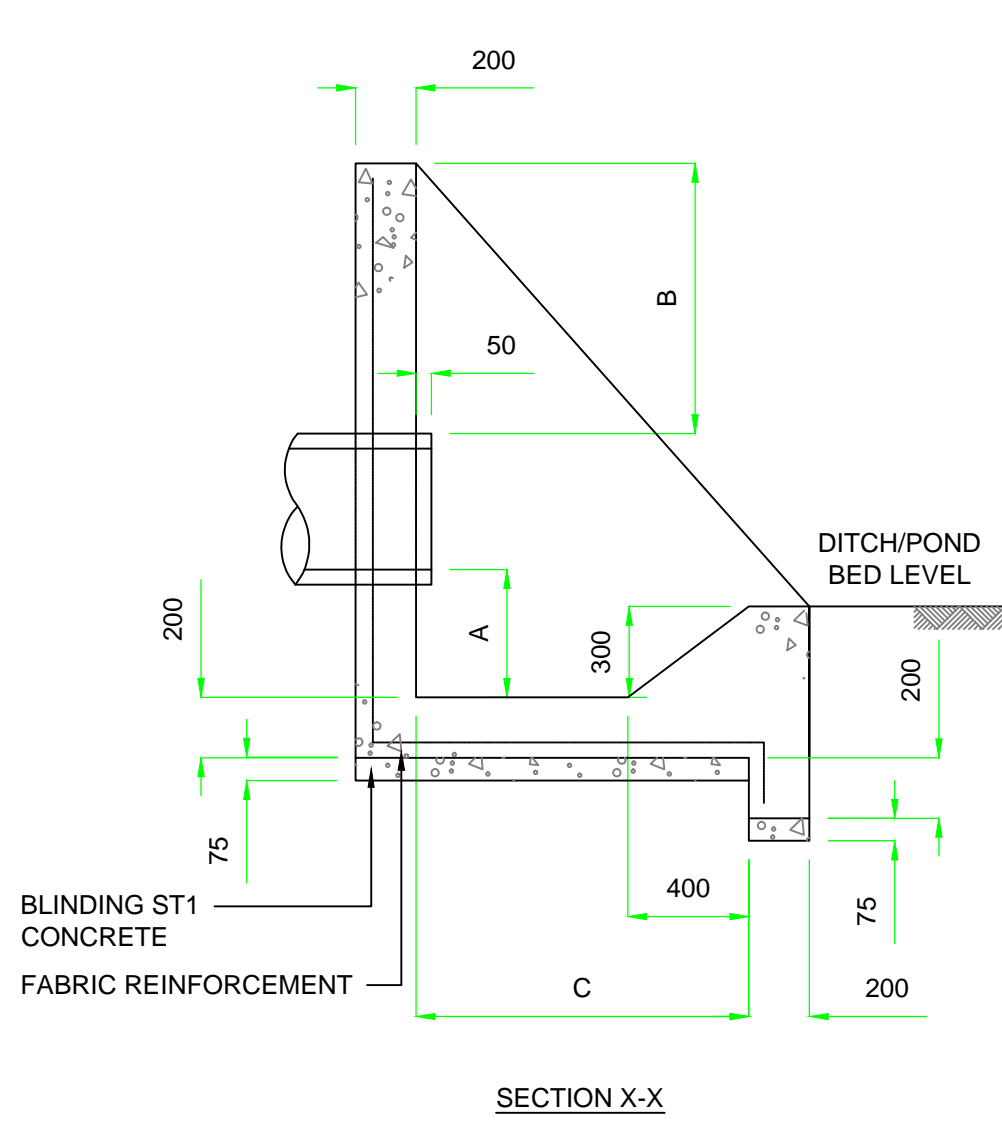
DRAWING TITLE **SMALL HEADWALLS LESS THAN 1.5m HIGH BRICK**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

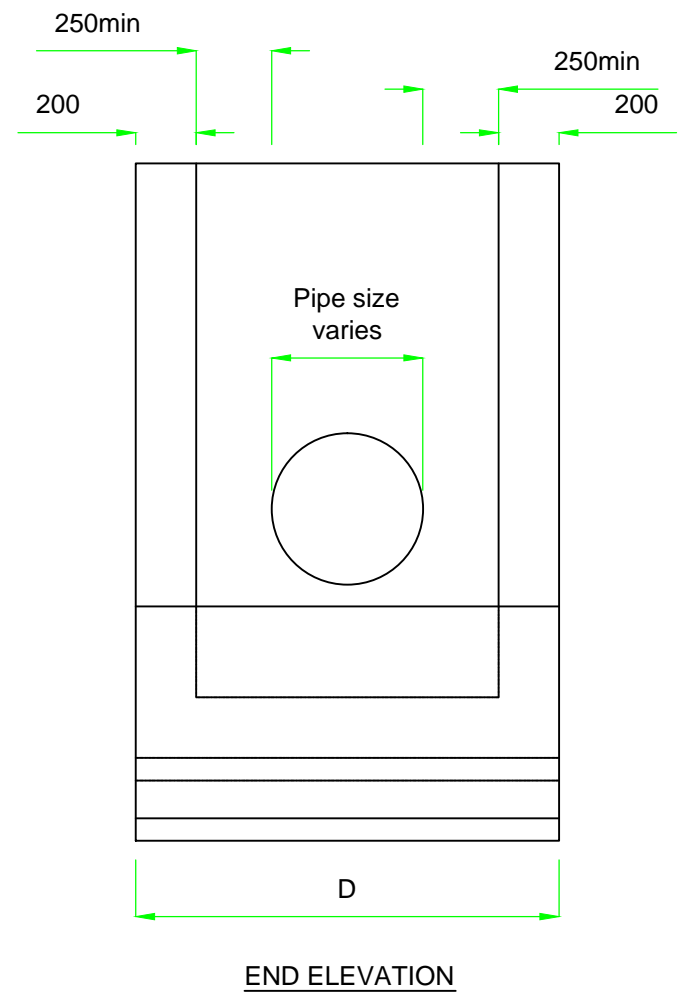
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-010** REV. **-**

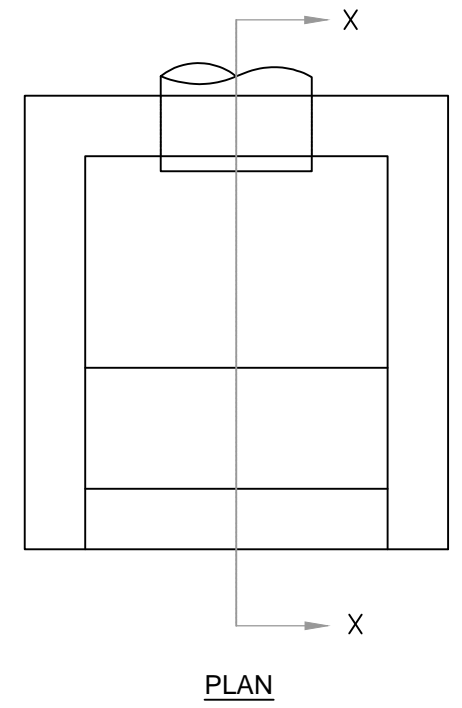




SECTION X-X



END ELEVATION



PLAN

NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. CONCRETE TO HEADWALL SHALL BE CLASS C25/30.
4. CLASS F2 FINISH ON EXPOSED FACES TO MCHW CLAUSE 1708. CLASS F1 FINISH ON OTHER FACES TO MCHW CLAUSE 1708. CLASS U3 FINISH ON UPPER FACES TO MCHW CLAUSE 1708.
5. ALL EXPOSED EXTERNAL EDGES AND CORNERS TO HAVE 40mm CHAMFERS MEASURED ACROSS FLATS.
6. CONCRETE TO BE SULPHATE RESISTING.
7. FOR DIMENSIONS A-D REFER TO HEADWALL SCHEDULE.
8. ACTUAL DIMENSIONS OF HEADWALLS TO BE VERIFIED ON SITE WITH THE ENGINEER.
9. FOR PIPE SIZE REFER TO DRAINAGE PLAN / HEADWALL SCHEDULE .
10. PIPES ENTERING HEADWALLS SHALL HAVE A FLEXIBLE JOINT WITHIN 500mm OF THE REAR FACE OF THE HEADWALL, THIS SHALL JOIN WITH THE NEXT PIPE OF MAXIMUM LENGTH IN COMPLIANCE WITH TABLE 5/6 OF SERIES 500.
11. FABRIC REINFORCEMENT - A252 FABRIC TO MCHW CLAUSE 1008 AND BS.4483:2005 MINIMUM COVER 50mm, MAXIMUM LAP 250mm.
12. WING WALLS SHALL NOT PROJECT INTO WATERCOURSE.
13. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS

APPROVED



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SCHEME TITLE

STANDARD DETAILS

DRAWING TITLE

**SMALL HEADWALLS
LESS THAN 1.5m HIGH
CAST INSITU HEADWALL**

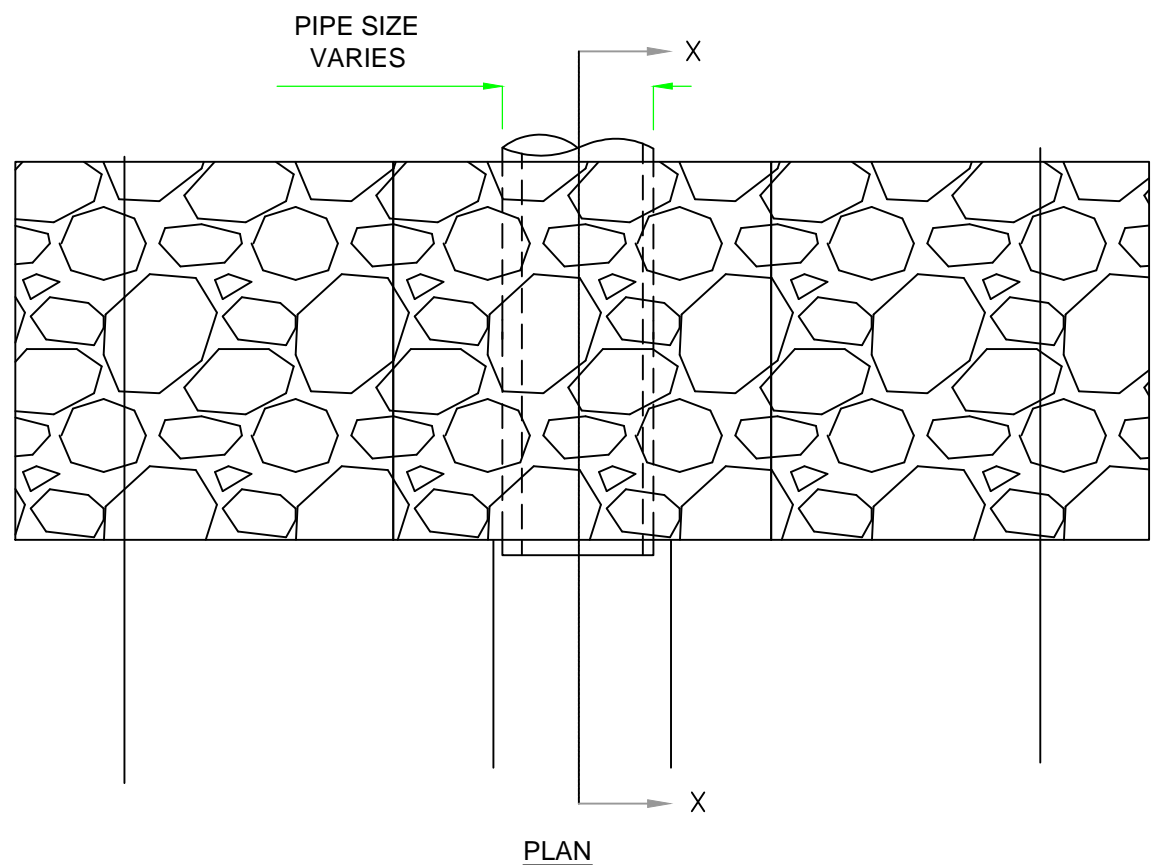
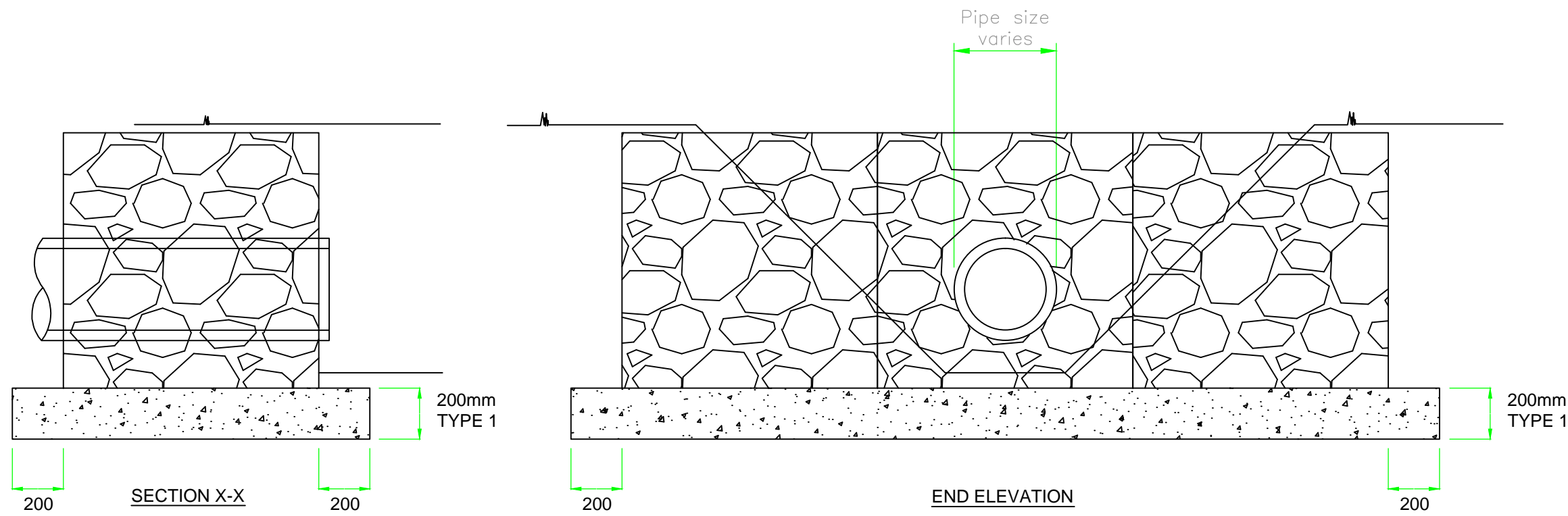
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES

SCALE AT A3 (420x297mm) N.T.S

DRAWING No.	REV.
ECC-SD-0500-011	-





NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. GABION BASKETS TO BE SIZED FOR THE DEPTH OF HEADWALL.
4. GABION UNITS SHALL BE ASSEMBLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
5. GABION WIRE MESH UNITS SHALL BE WOVEN STEEL WIRE CONFORMING TO BS EN 10223-3 OR WELDED STEEL MESH CONFORMING TO BS EN 10223-8.
6. GABIONS THEY SHALL BE FILLED WITH CLASS 6G MATERIAL COMPLYING WITH THE MCHW TABLE 6/1, THE MAXIMUM SIZE OF FILL MATERIAL SHALL NOT EXCEED TWO THIRDS OF THE MINIMUM DIMENSION OF THE GABION COMPARTMENT OR 200mm WHICHEVER IS SMALLER AND THE MINIMUM SIZE OF THE FILL MATERIAL SHALL BE NOT LESS THAN THE SIZE OF THE MESH OPENING
7. WOVEN STEEL GABIONS SHALL BE OF MESH DESIGNATION 6X8 OR 8X10 WITH MINIMUM WIRE DIAMETER OF 2.7mm.
8. WELDED MESH SHALL BE 3mm TO 5mm DIAMETER BARS WITH THE MESH SIZE 75mm X 75mm MAXIMUM.
9. FOR PIPE SIZE REFER TO DRAINAGE PLAN / HEADWALL SCHEDULE.
10. PIPES ENTERING HEADWALLS SHALL HAVE A FLEXIBLE JOINT WITHIN 500mm OF THE REAR FACE OF THE HEADWALL THIS SHALL JOIN THE NEXT PIPE A MAXIMUM LENGTH IN COMPLIANCE WITH TABLE 5/6 OF SERIES 500.
11. WING WALLS SHALL NOT PROJECT IN TO WATERCOURSE

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **SMALL HEADWALLS LESS THAN 1.5m HIGH GABION BASKET**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-012** REV. **-**



NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. HESSIAN BAGS 450mm X 300mm X 150mm.
4. BAGWORK TO BE KEYED INTO CHANNEL SIDE SLOPES.
5. CONCRETE TO BE SULPHATE RESISTING
6. EACH BAG TO BE SPIKED TO THE ONE BELOW.
7. BAGWORK FOUNDED BELOW CHANNEL BED.
8. FOR PIPE SIZE REFER TO DRAINAGE PLAN / HEADWALL SCHEDULE .
9. PIPES ENTERING HEADWALLS SHALL HAVE A FLEXIBLE JOINT WITHIN 500mm OF THE REAR FACE OF THE HEADWALL, THIS SHALL JOIN WITH THE NEXT PIPE OF MAXIMUM LENGTH IN COMPLIANCE WITH TABLE 5/6 OF SERIES 500.
10. WING WALLS SHALL NOT PROJECT INTO WATERCOURSE.
11. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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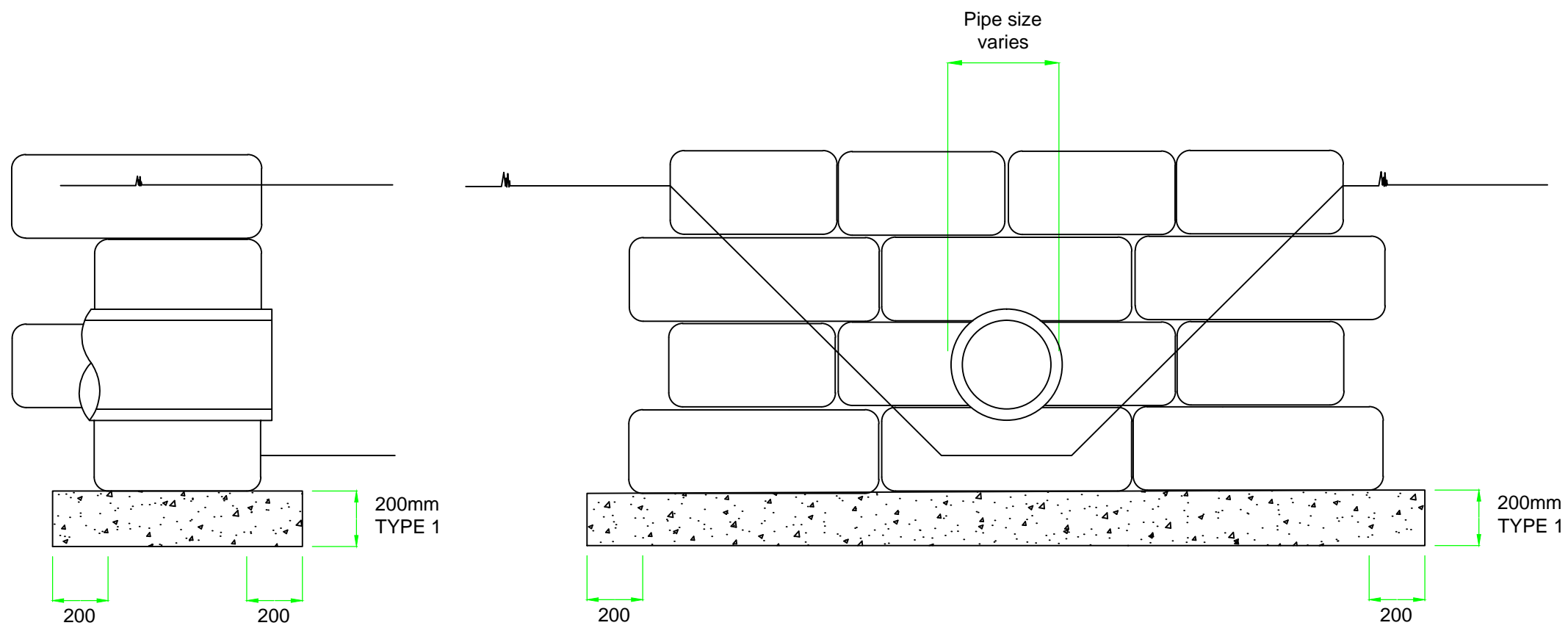
SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **SMALL HEADWALLS LESS THAN 1.5m HIGH CONCRETE BAG**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0500-013** REV. **-**

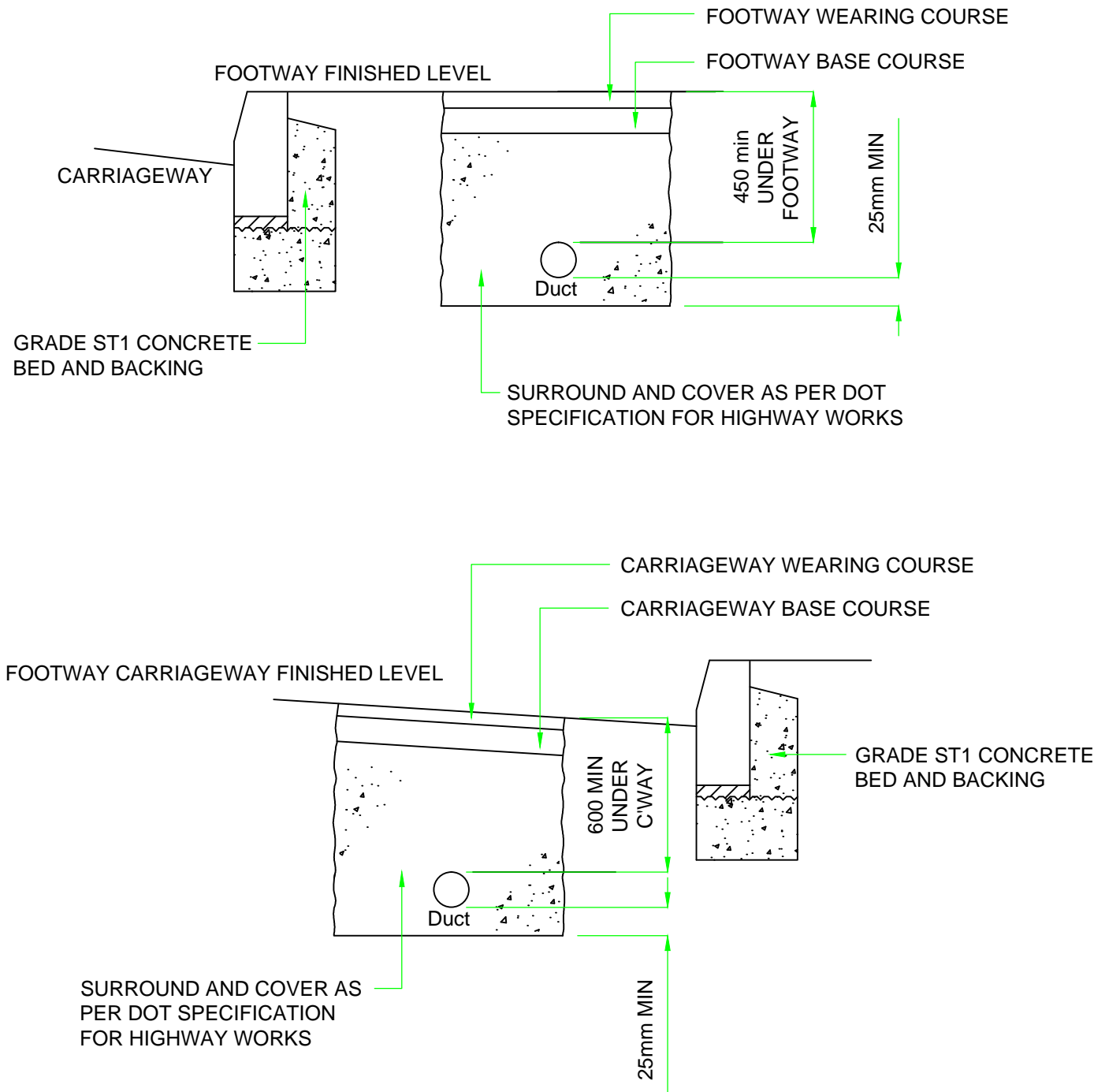


SECTION X-X

END ELEVATION

PLAN

CONCRETE BAG HEADWALL



NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **DUCTING DETAILS UNDER CARRIAGEWAY AND FOOTWAY**

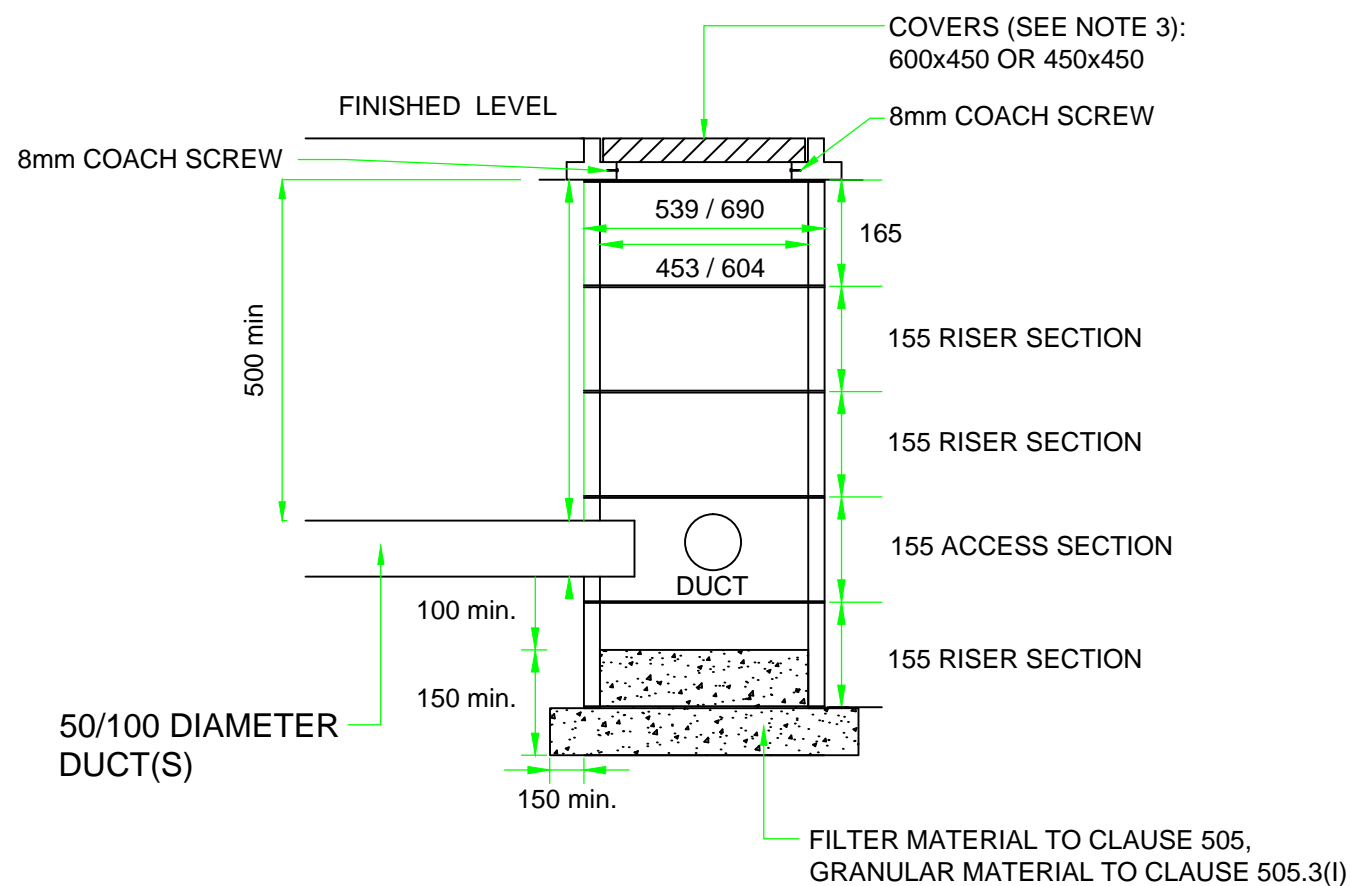
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EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S.

DRAWING No. **ECC-SD-0500-014** REV. **-**

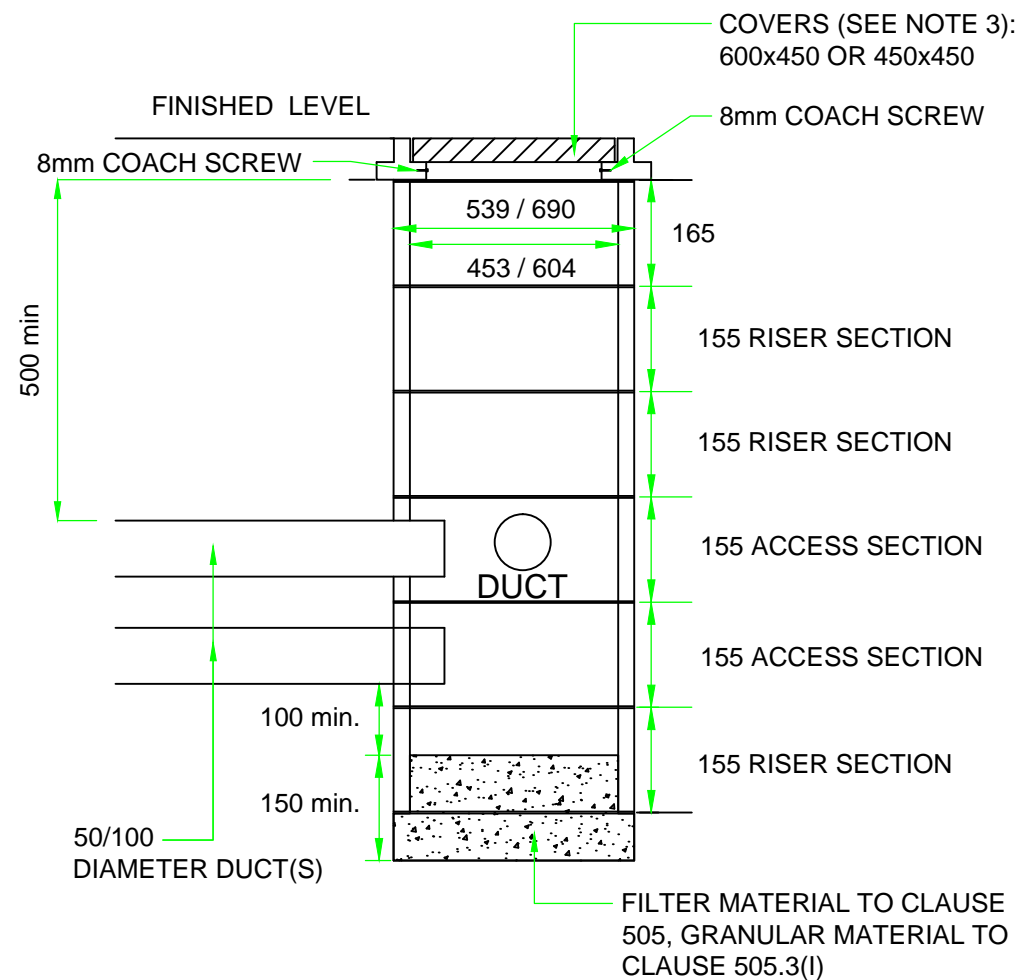


NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. COVER AND FRAMES TO BE D400 (DMRB HA 104/09) 150mm MIN HEAVY DUTY AND COMPLY WITH DESIGNERS INFORMATION FOR HYDRAULIC DESIGN. COVER TO BE PEDESTRIAN FRIENDLY IN SHARED AREAS.
4. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.



SECTION THROUGH INSPECTION CHAMBER IN FOOTWAY/VERGE WITH SINGLE LAYER DUCT



SECTION THROUGH INSPECTION CHAMBER IN FOOTWAY/VERGE WITH MULTIPLE LAYER DUCT

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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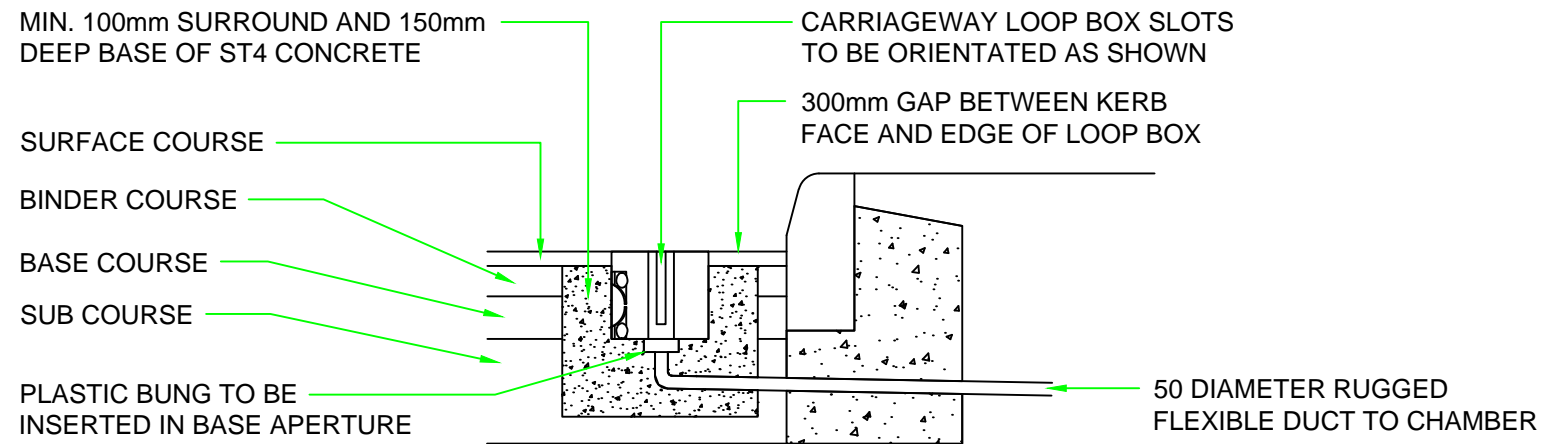
SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **INSPECTION CHAMBER**

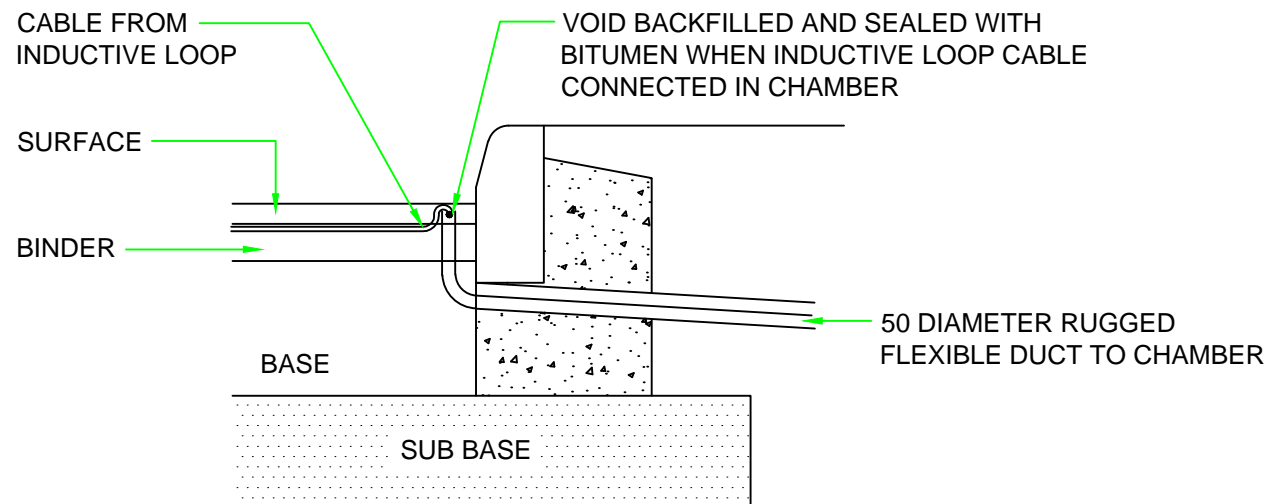
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S.

DRAWING No. **ECC-SD-0500-015** REV. **-**





**LOOP DETAIL
THROUGH CARRIAGEWAY INTO CHAMBER**



**SECTION THROUGH
NAL D400 CARRIAGEWAY LOOP BOX
IN CARRIAGEWAY WITH DUCT INTO CHAMBER**

DETAILS IN THIS DRAWING ARE BASED ON INFORMATION SUPPLIED BY NAL LIMITED.

REFER TO NAL LIMITED FOR FURTHER INFORMATION ON INSTALLATION.

NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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Tel: 0345 6037631 © Essex County Council

SCHEME TITLE **STANDARD DETAILS**

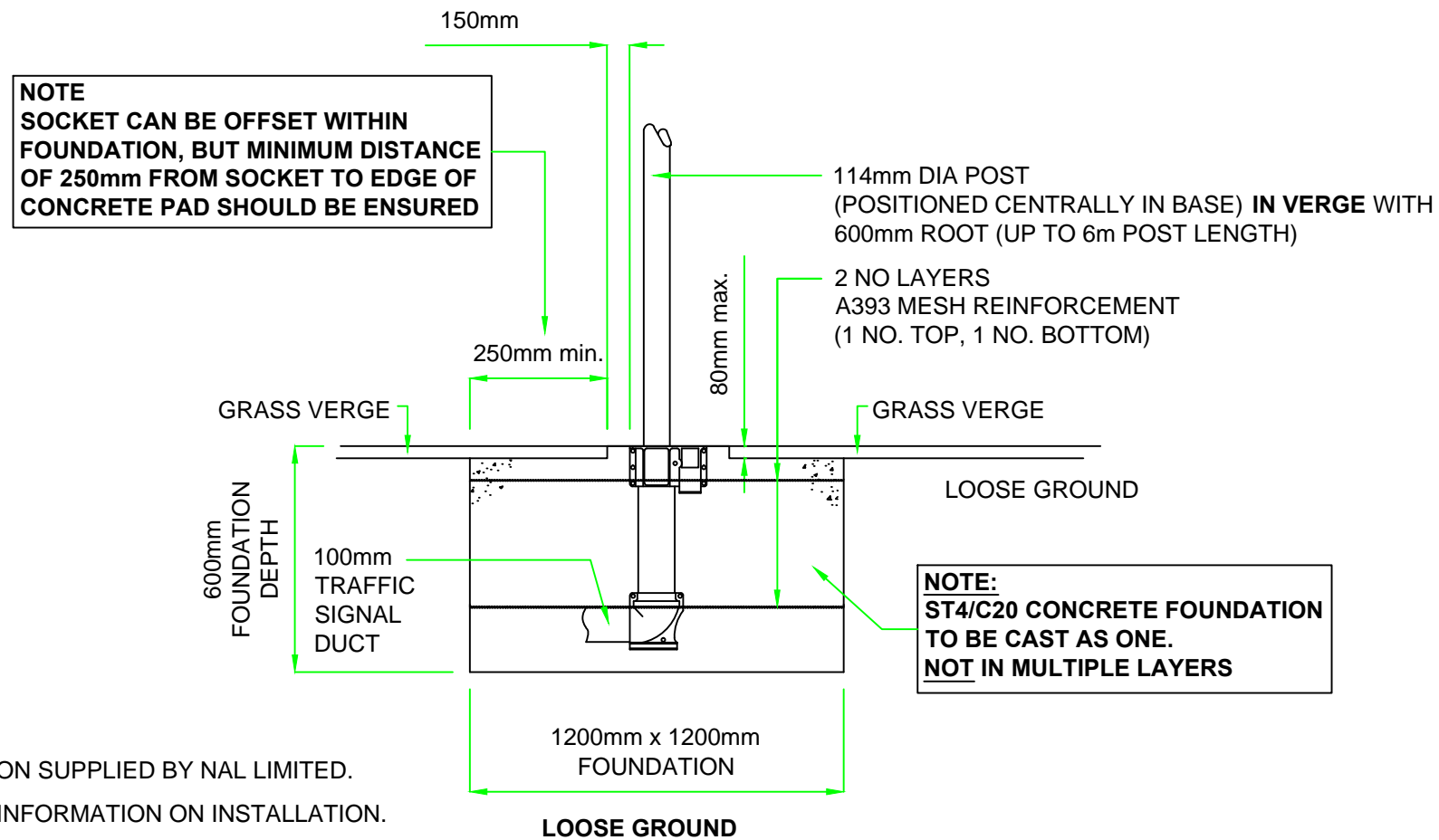
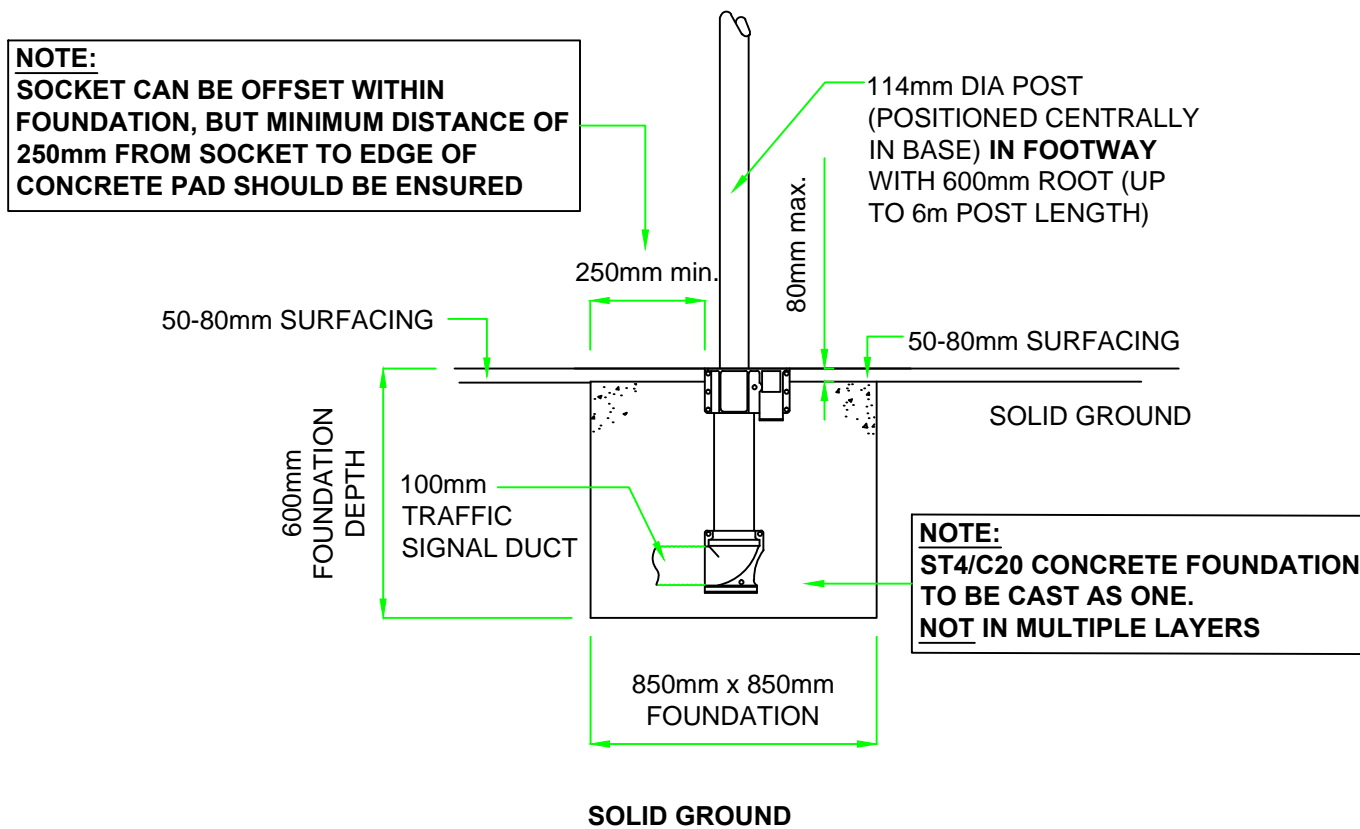
DRAWING TITLE **CARRIAGEWAY LOOP KERB DETAIL**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S.**

DRAWING No. **ECC-SD-0500-016** REV. **-**





ABOVE DETAILS BASED ON INFORMATION SUPPLIED BY NAL LIMITED.
 REFER TO NAL LIMITED FOR FURTHER INFORMATION ON INSTALLATION.
 REFER TO NAL SHEET B1 AND B2 FURTHER INFORMATION ON
 POLE RETENTION SOCKET INSTALLATION.

NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS: **APPROVED**



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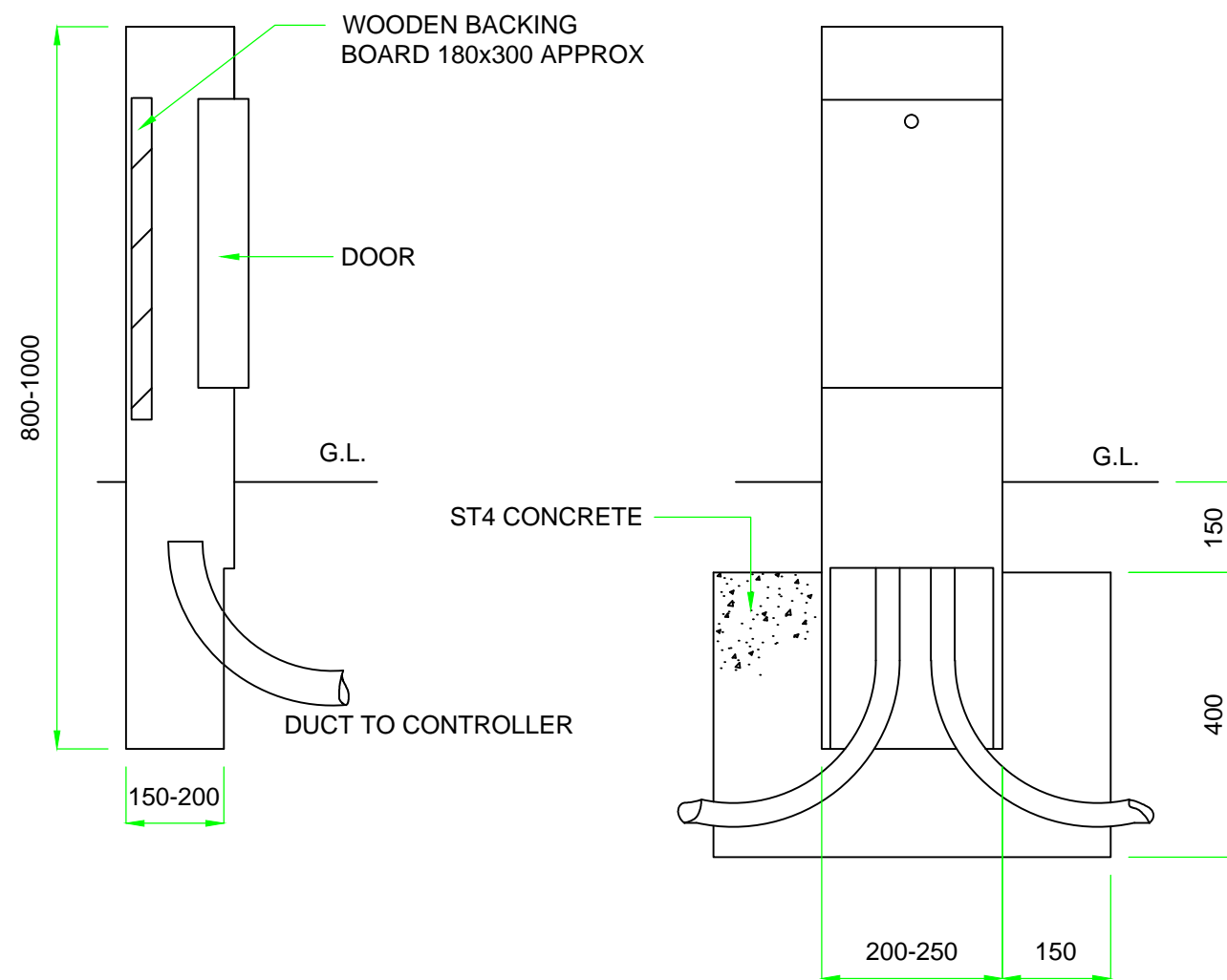
SCHEME TITLE: **STANDARD DETAILS**

DRAWING TITLE: **NAL POLE RETENTION SOCKET RS115 (DUCKFOOT)**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S.

DRAWING No: **ECC-SD-0500-017** REV: -





NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

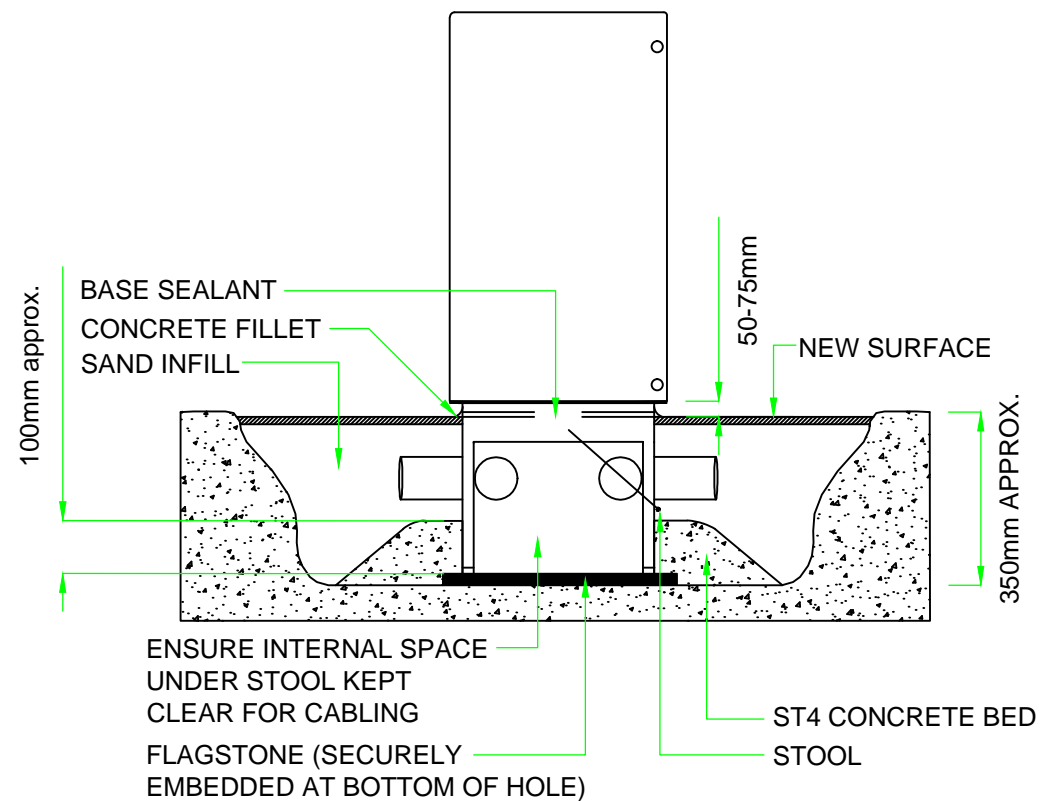
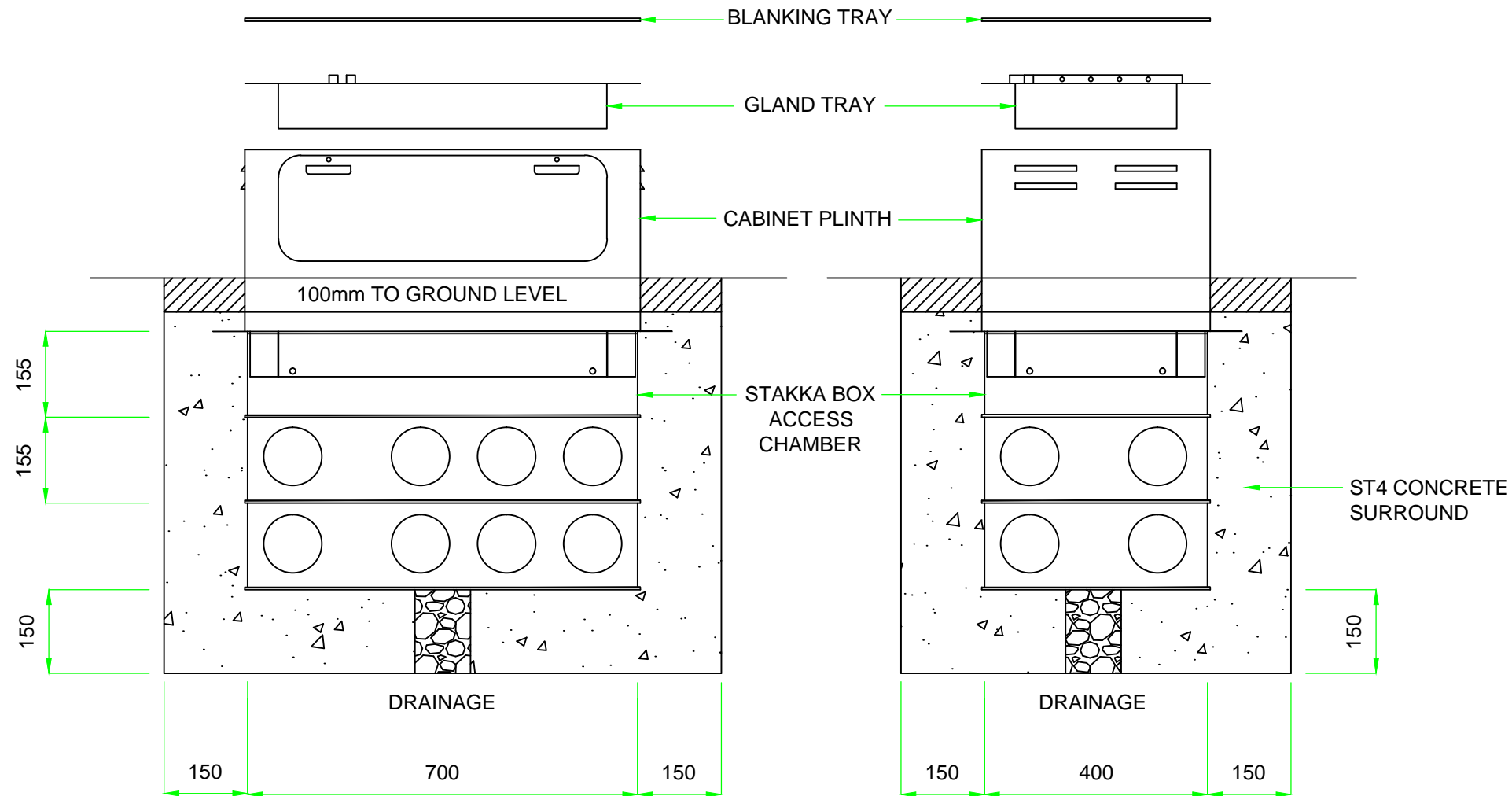
DRAWING TITLE **ELECTRICITY SUPPLY MINI PILLAR**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S.**

DRAWING No. **ECC-SD-0500-018** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2602.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS

APPROVED



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SCHEME TITLE

STANDARD DETAILS

DRAWING TITLE

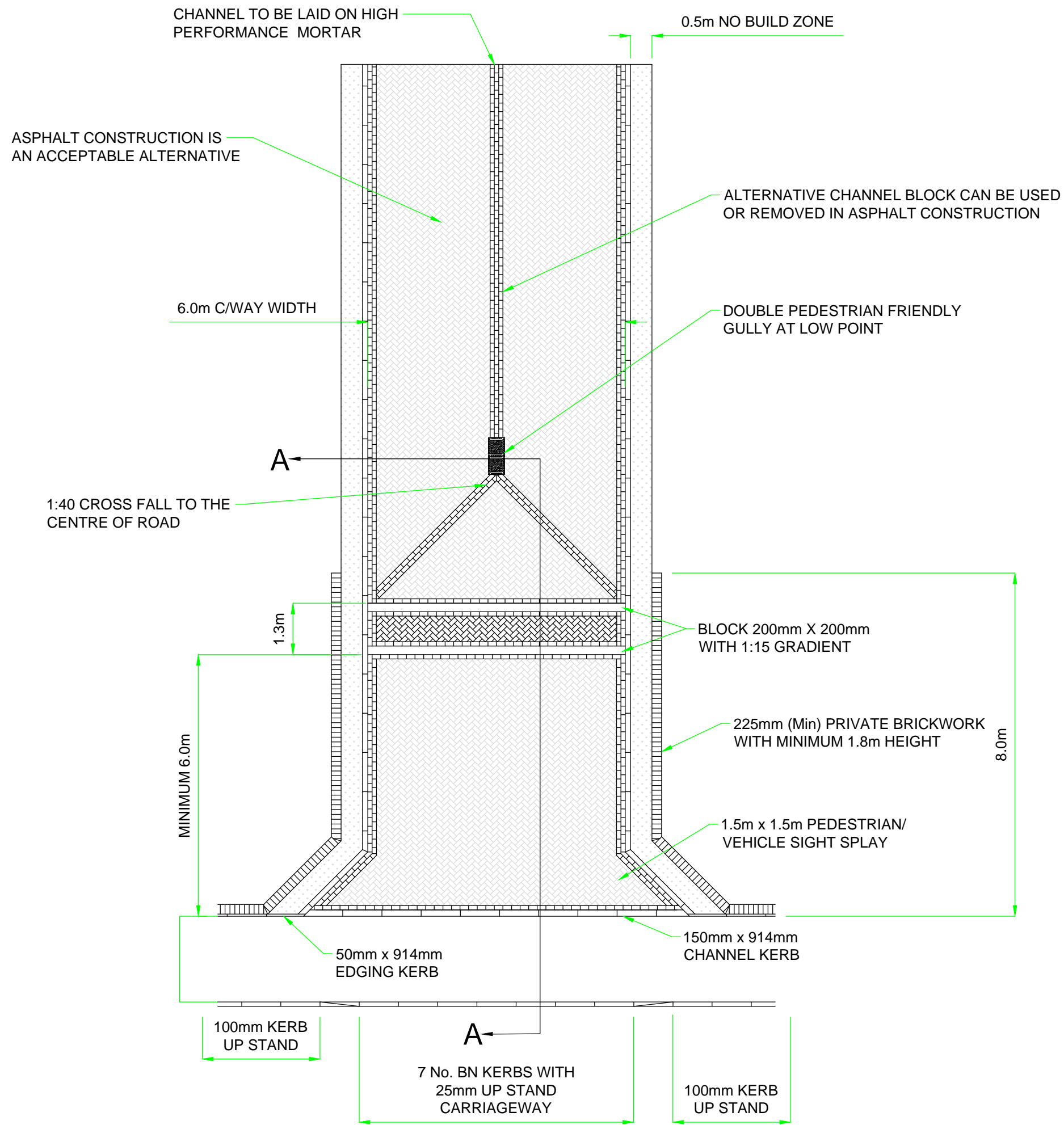
NAL TRAFFIC SIGNAL CONTROLLER FOUNDATION

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) N.T.S.

DRAWING No.	REV.
ECC-SD-0500-019	-





NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- MAXIMUM LENGTH OF CUL DE SAC IS 50m
- PRIVATE WALLS ADJACENT TO MEWS COURT TO BE 225mm MINIMUM THICKNESS AND TO BE MINIMUM HEIGHT OF 1800mm

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **TYPE G ESTATE ROAD MEWS COURT**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

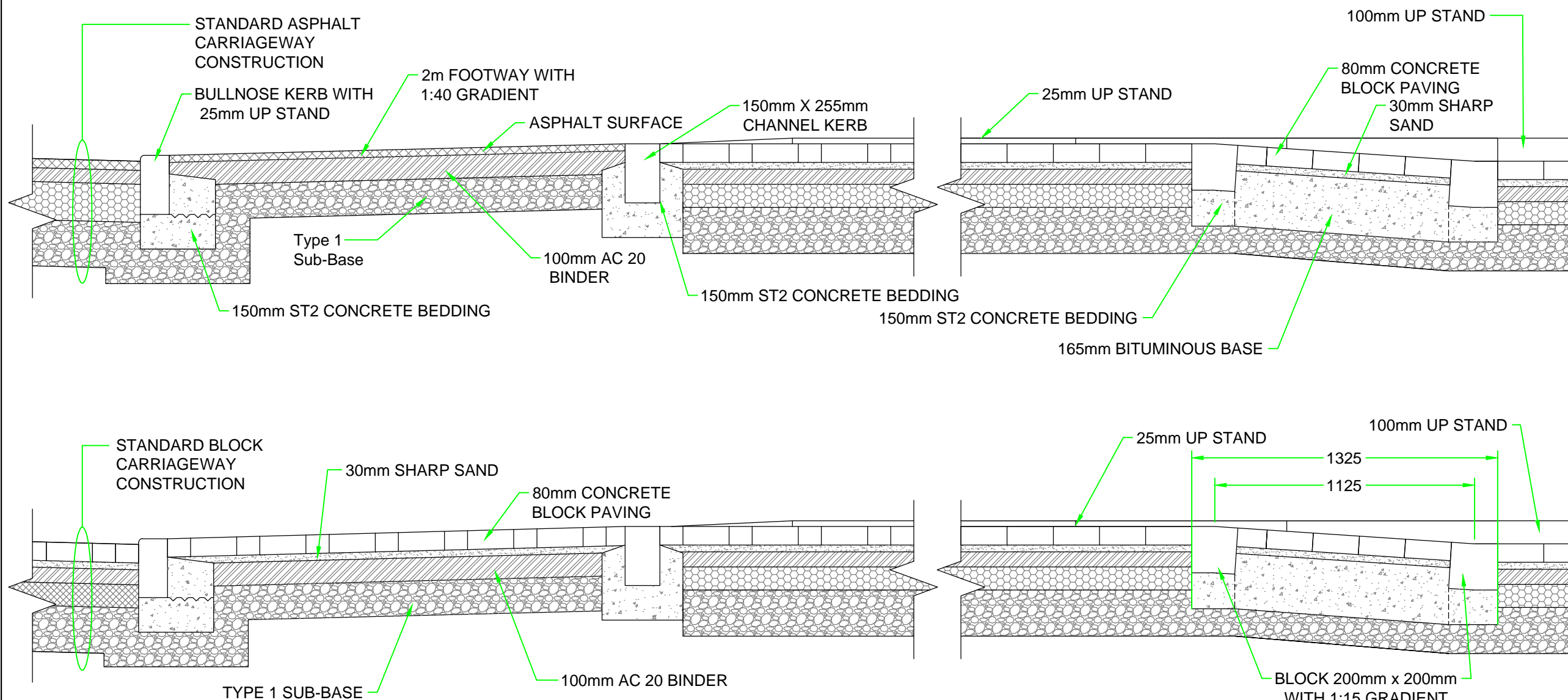
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0700-001** REV. **-**



NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- MAXIMUM LENGTH OF CUL DE SAC IS 50m
- PRIVATE WALLS ADJACENT TO MEWS COURT TO BE 225mm MINIMUM THICKNESS AND TO BE MINIMUM HEIGHT OF 1800mm
- ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2606



Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS: **APPROVED**



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SCHEME TITLE: **STANDARD DETAILS**

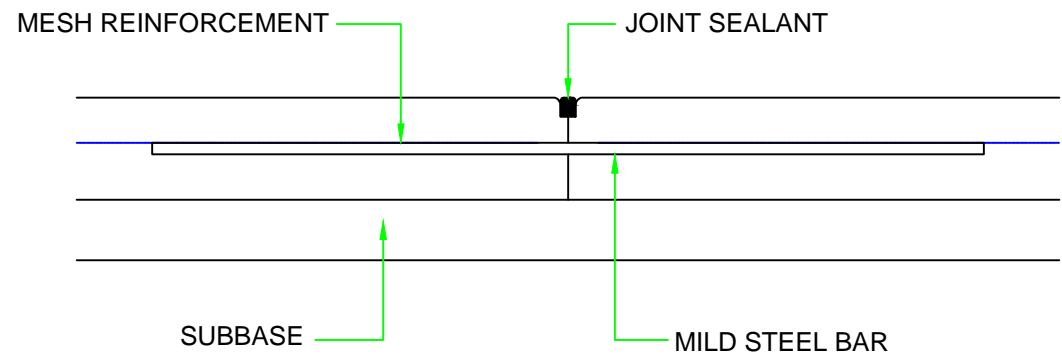
DRAWING TITLE: **TYPE G ESTATE ROAD MEWS COURT SECTION A-A**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

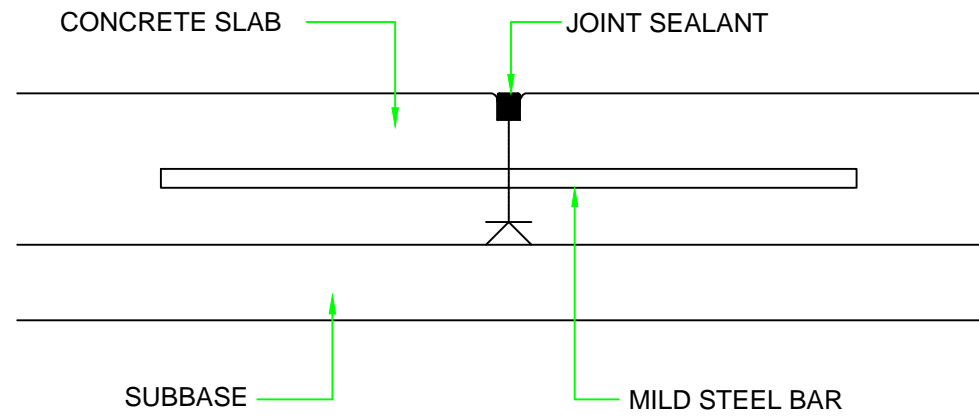
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0700-002** REV. **-**

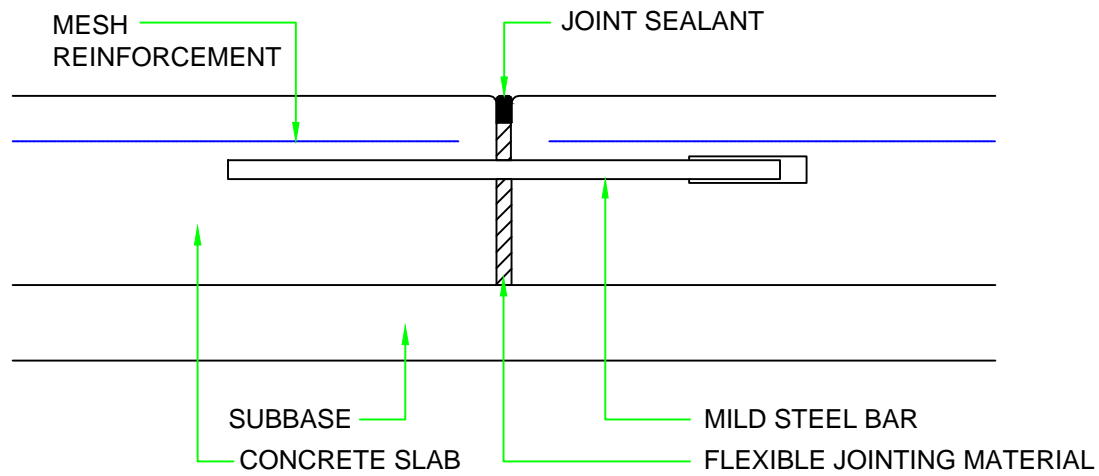




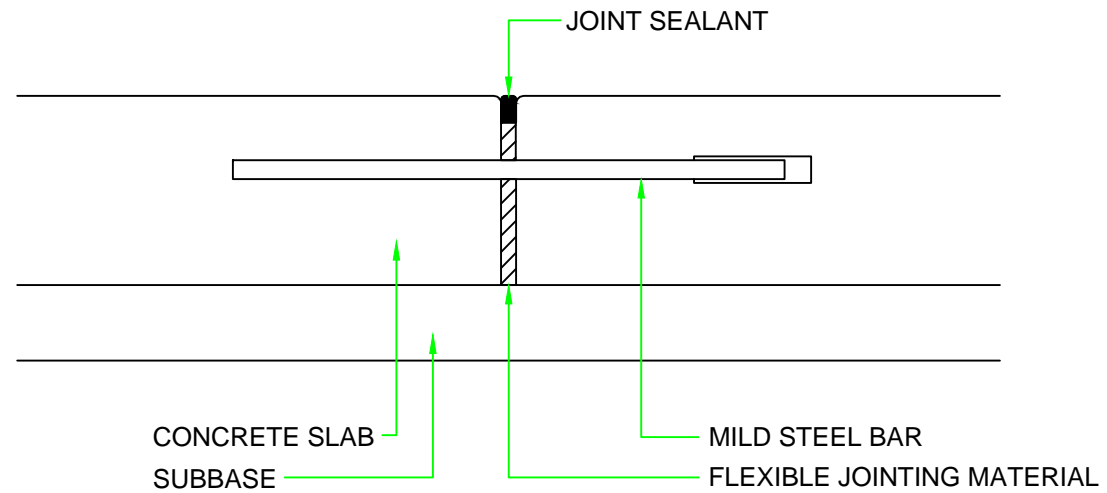
**LONGITUDINAL JOINT
(REINFORCED SLAB)**



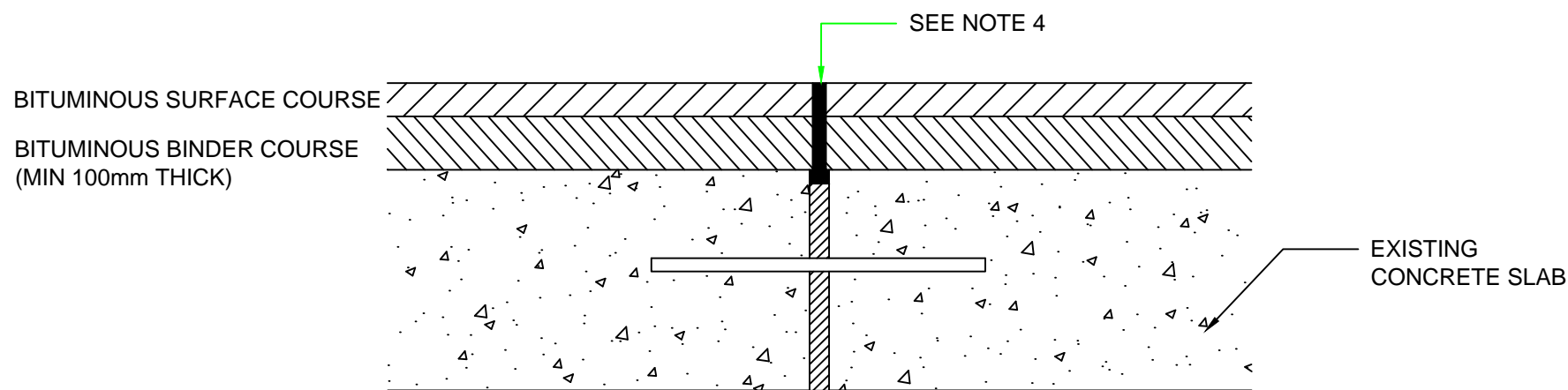
**CONTRACTION JOINT
(UNREINFORCED SLAB)**



**EXPANSION JOINT
(REINFORCED SLAB)**



**EXPANSION JOINT
(UNREINFORCED SLAB)**



OVERLAY DETAIL

TYPE No.	JOINT DIMENSIONS
JR1	13 x 25
JR2	13 x 40
JR3	30 x 25

NOTES:

- DO NOT SCALE FROM DRAWING.
- EXISTING JOINT SEALANT TO BE REMOVED. WHERE NECESSARY EXISTING EDGE OF SLAB TO BE CLEANED AND TREATED WITH THE APPROPRIATE PRIMER TO THE SEALING COMPOUND.
- JOINT TO BE FILLED WITH JOINT SEALANT COMPLYING WITH MCHW CLAUSE 1017 TO THE DIMENSIONS OF TABLE 10/5
- WHEN CONCRETE TO PAVEMENT IS OVERLAID WITH BITUMINOUS SURFACING, THE OVERLAY SHALL BE SAW - CUT AND SEALED AT THE CONCRETE PAVEMENT JOINT IN ACCORDANCE WITH CLAUSE 713, EXPECT THAT THE GROOVE SHALL BE 25mm FOR THE FULL DEPTH OF THE OVERLAY.
- OVERLAY MATERIALS TO INCORPORATE SBS MODIFIED BINDER.
- EXISTING CONCRETE SLAB TO BE ASSESSED BY THE ENGINEER TO CONFIRM SUITABILITY TO ACCEPT BITUMINOUS OVERLAY ON A CASE BY CASE BASIS.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **JOINT REPAIRS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S

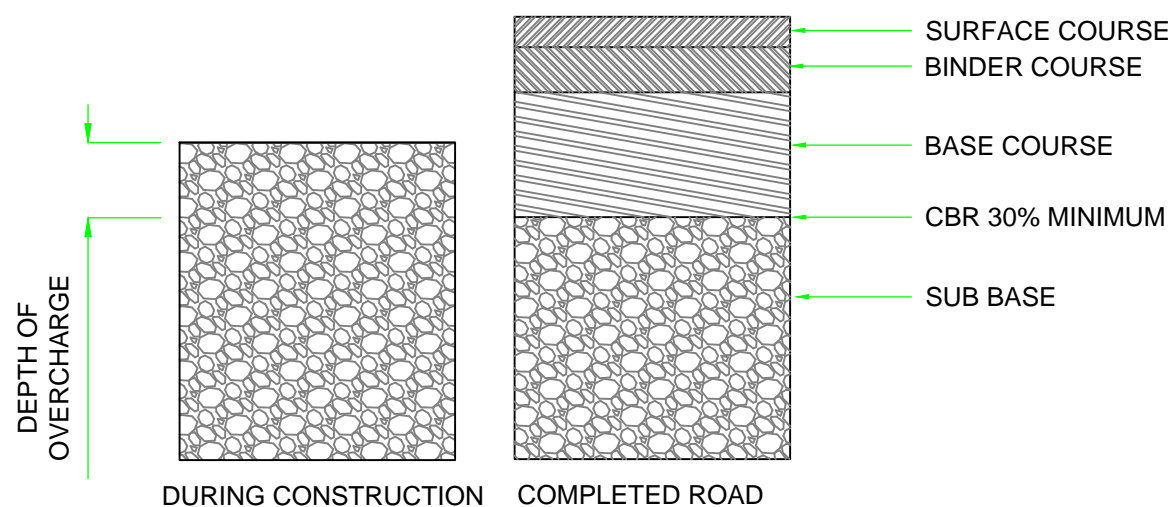
DRAWING No. **ECC-SD-0700-003** REV. **-**



NOTES

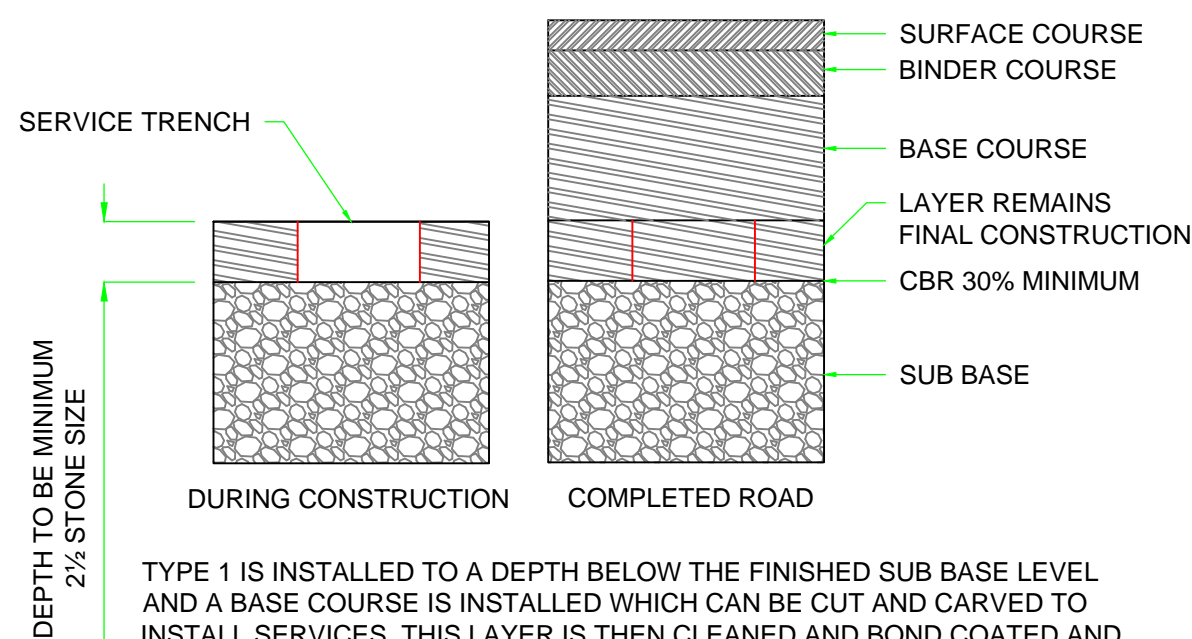
- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.

OVERCHARGED TYPE 1



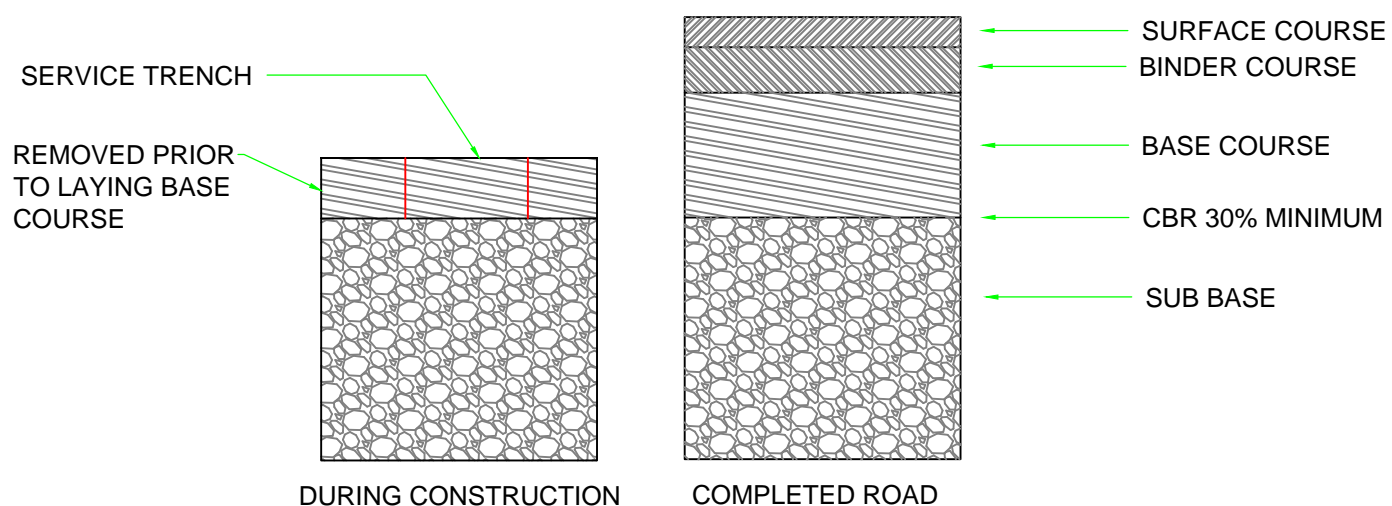
TYPE 1 IS INSTALLED ABOVE THE FINISHED SUB BASE LEVEL WHICH CAN BE CUT AND CARVED TO INSTALL SERVICES. THIS LAYER IS THEN CUT BACK TO THE CORRECT LINE AND LEVEL AND THE FINISHED BASE COURSE LAID

BASE COURSE IN THE TYPE 1 DEPTH



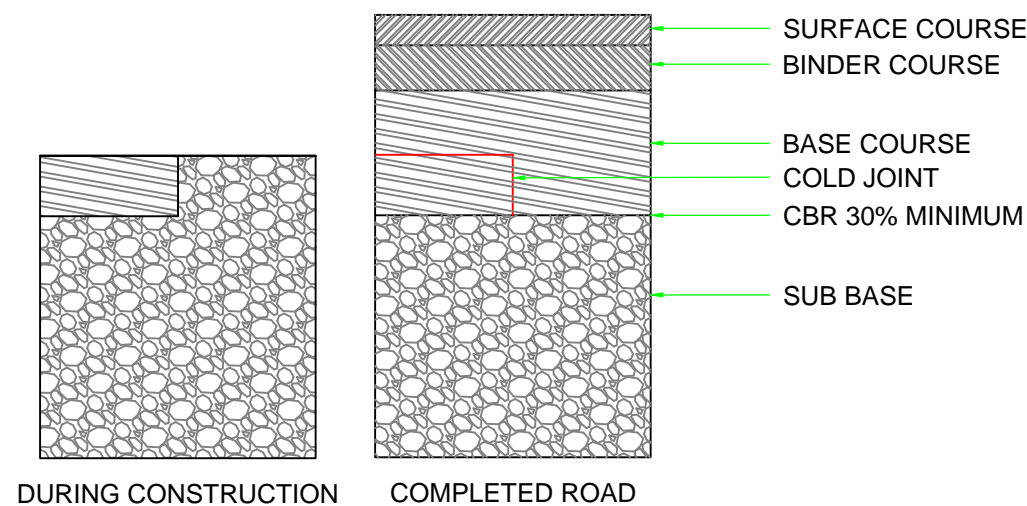
TYPE 1 IS INSTALLED TO A DEPTH BELOW THE FINISHED SUB BASE LEVEL AND A BASE COURSE IS INSTALLED WHICH CAN BE CUT AND CARVED TO INSTALL SERVICES. THIS LAYER IS THEN CLEANED AND BOND COATED AND THE FULL AGREED DEPTH OF BASE COURSE LAID ON TOP

SACRIFICIAL BASE COURSE (Preferred option)



A SACRIFICIAL LAYER IS INSTALLED WHICH CAN BE CUT AND CARVED TO INSTALL SERVICES. THE LAYER IS THEN REMOVED ENTIRELY PRIOR TO LAYING THE FINISHED BASE COURSE

SERVICE TRENCH



THE FIRST LAYER OF BASE COURSE IS LAID LEAVING A TRENCH ALONG THE SIDE TO INSTALL SERVICES WHICH IS FILLED WITH TYPE 1 DURING CONSTRUCTION. THIS TYPE 1 IS THEN REMOVED AND THE TRENCH BASE COURSE LAID PRIOR LAYING THE FINAL LAYER OF BASE COURSE AT FULL WIDTH

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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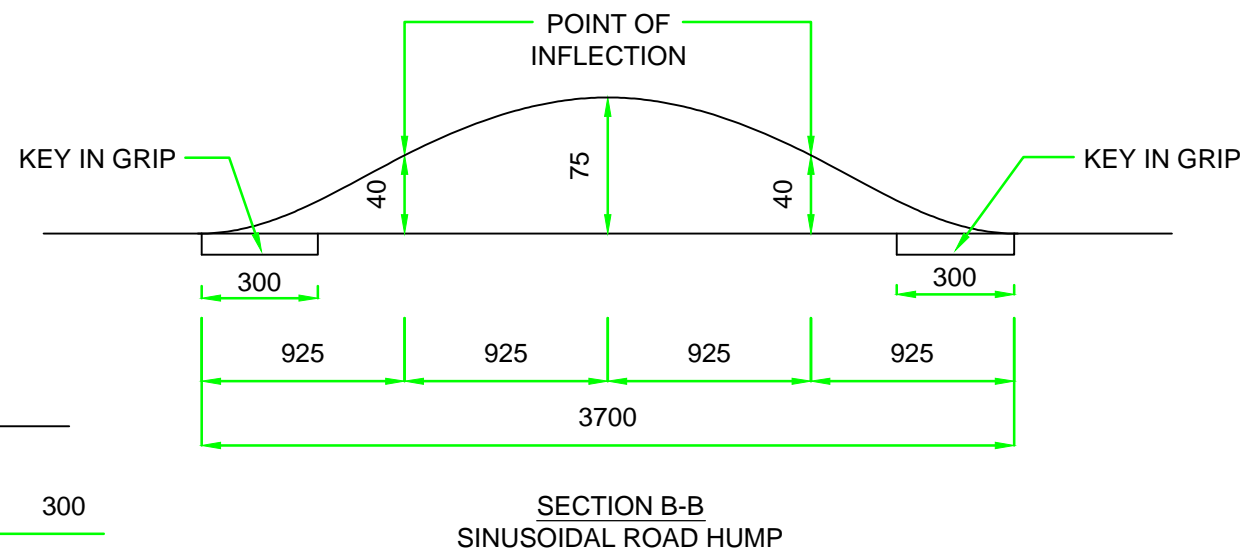
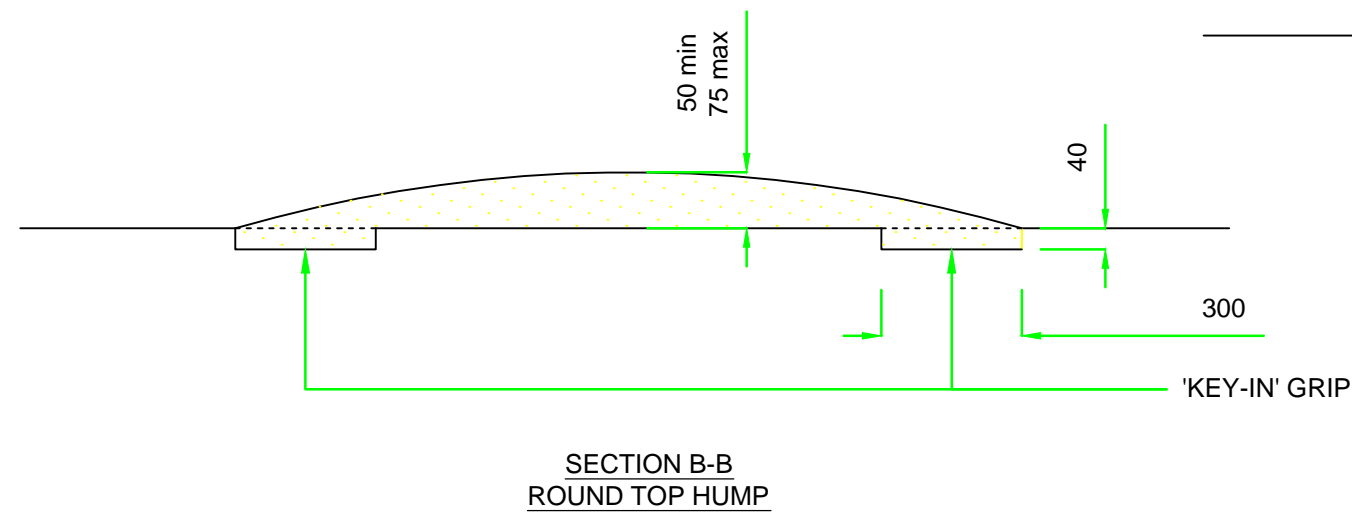
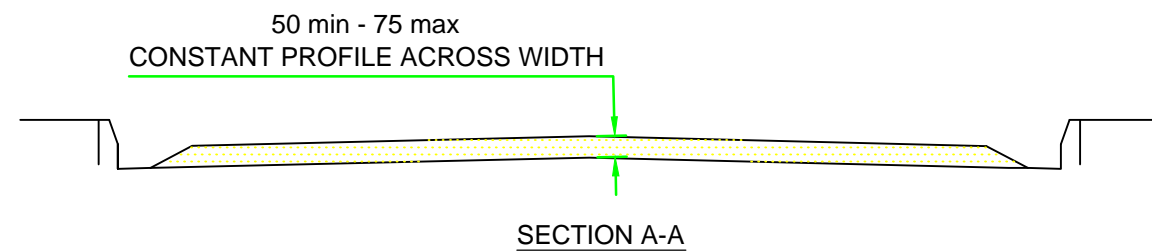
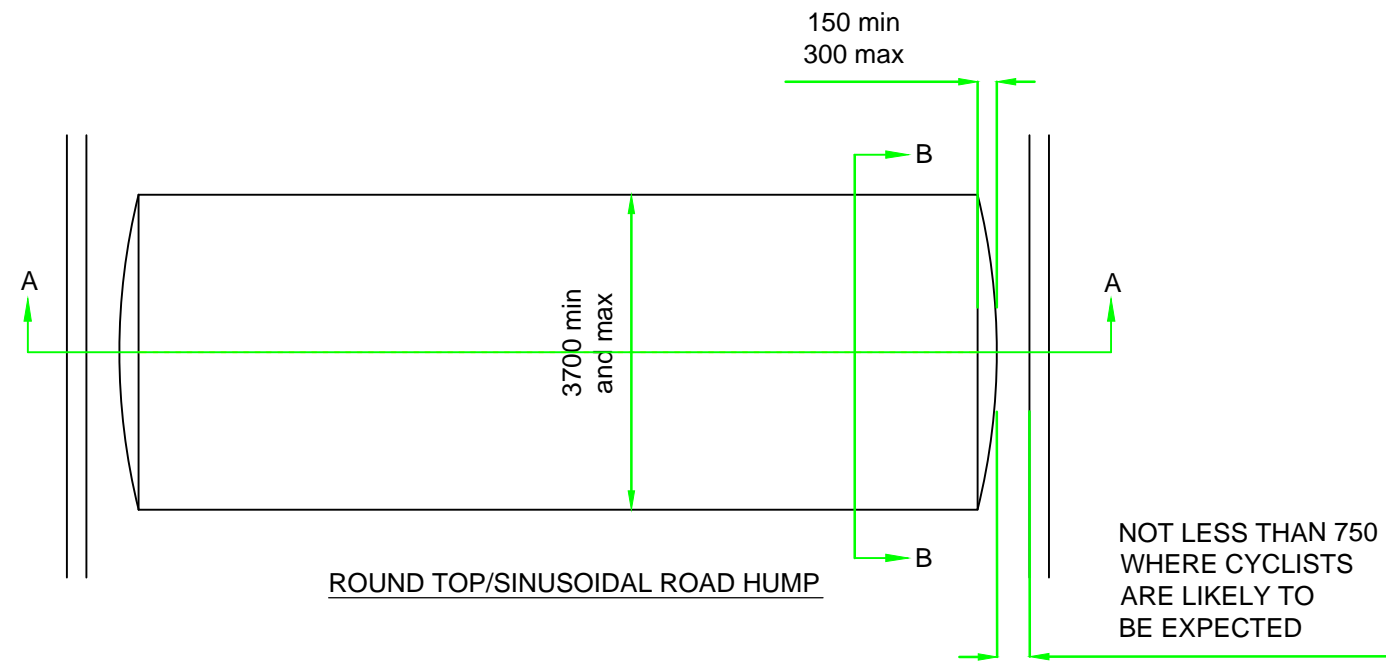
SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **SURFACE DETAILS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S.

DRAWING No. **ECC-SD-0700-004** REV. **-**





NOTES

- DO NOT SCALE FROM DRAWING.
- ROAD HUMPS SHALL COMPLY WITH STATUTORY INSTRUMENT 1999 NO.1025 THE HIGHWAYS (ROAD HUMPS) REGULATIONS 1999.
- BITUMINOUS MATERIAL TO BE DESIGNED TO SUIT SITE SPECIFICS, IN ACCORDANCE WITH BS. EN 13108-1:2006 OR BS EN 13108-4:2006.
- A BITUMINOUS SPRAY TACK COAT COMPLYING WITH CLAUSES 903.4 AND 920 AND AS DESCRIBED IN APPENDIX 7/4 SHALL BE APPLIED TO ALL EXISTING CARRIAGEWAY SURFACES ON WHICH BITUMINOUS MATERIALS ARE TO BE LAID.
- ROAD HUMP TRAFFIC SIGNS AND ROAD MARKINGS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGN REGULATIONS AND GENERAL DIRECTIONS.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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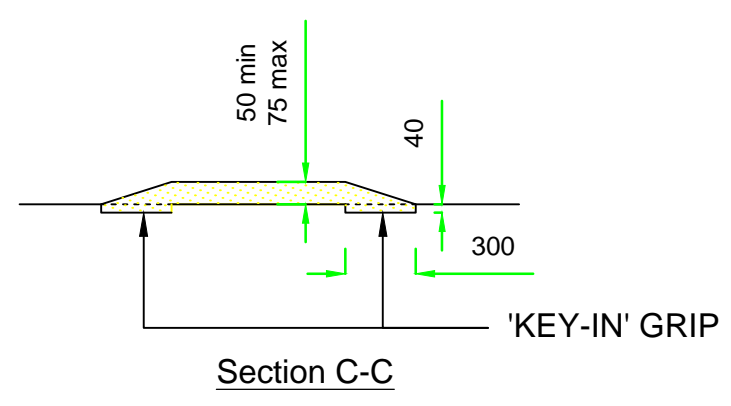
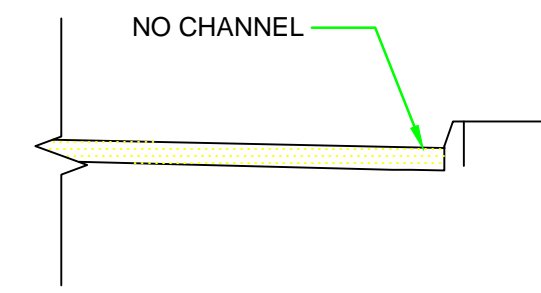
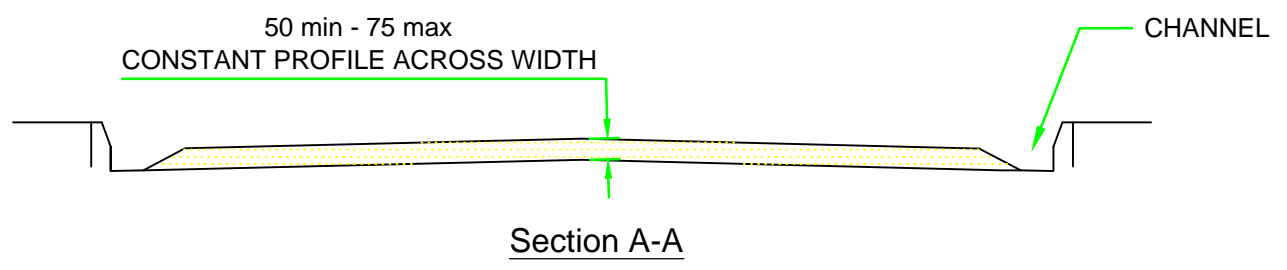
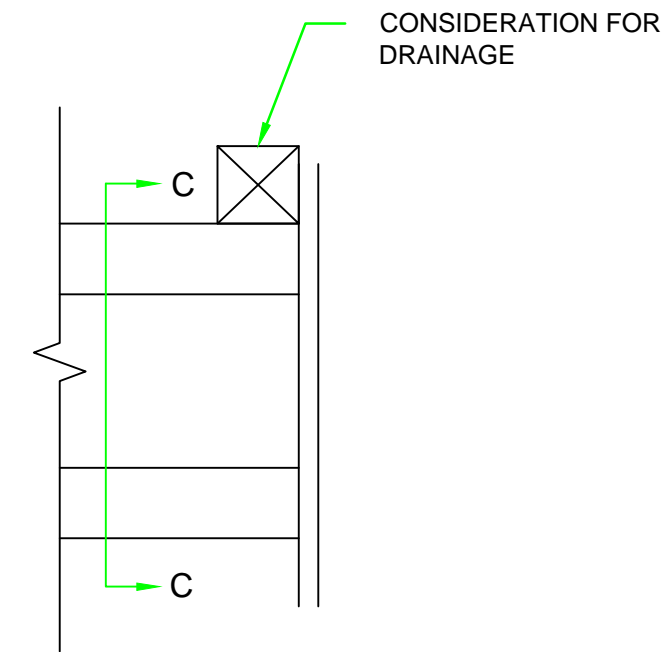
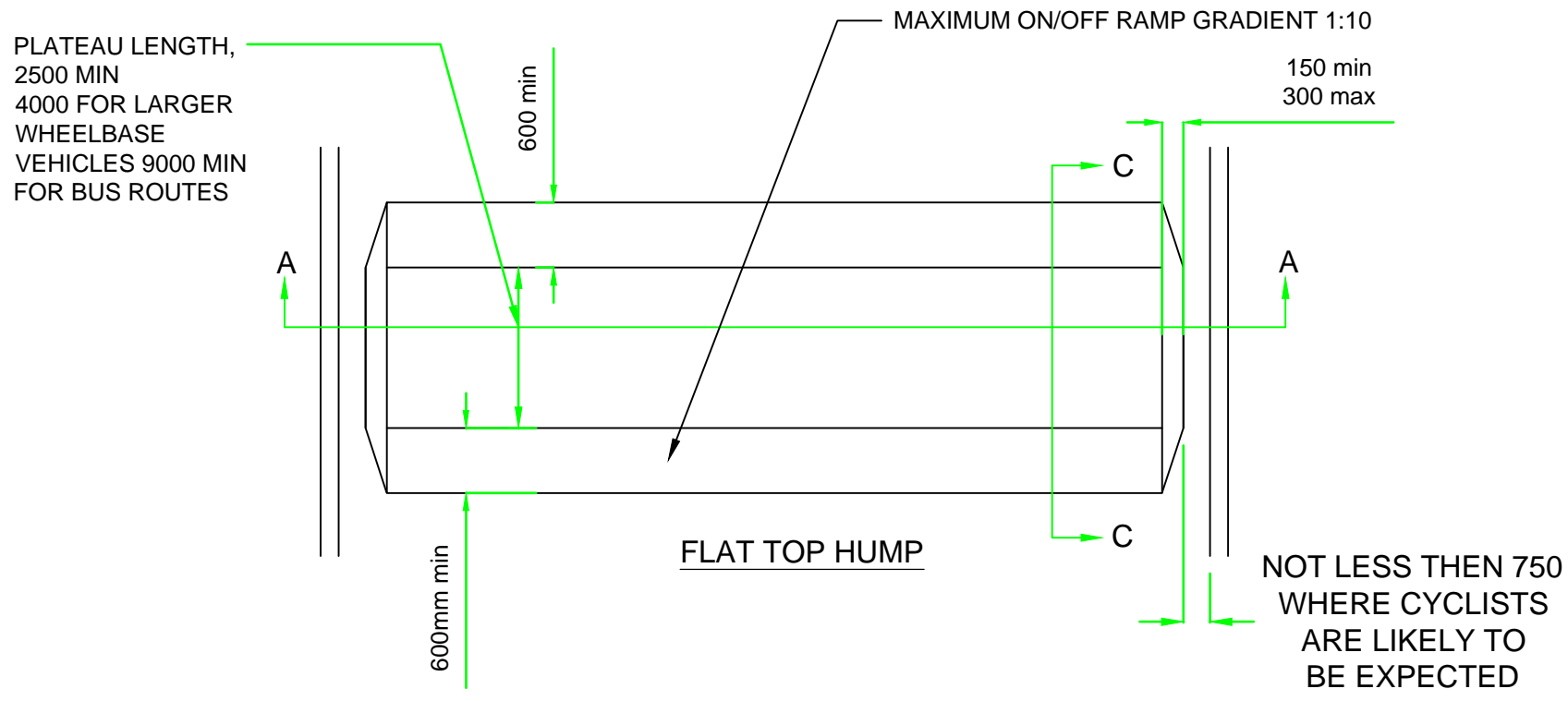
SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **TRAFFIC CALMING DETAILS
ROUND TOP HUMPS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S

DRAWING No. **ECC-SD-0700-005** REV. -





- NOTES
- DO NOT SCALE FROM DRAWING.
 - ROAD HUMPS SHALL COMPLY WITH STATUTORY INSTRUMENT 1999 NO.1025 THE HIGHWAYS (ROAD HUMPS) REGULATIONS 1999.
 - BITUMINOUS MATERIAL TO BE DESIGNED TO SUIT SITE SPECIFICS, IN ACCORDANCE WITH BS. EN 13108-1:2006 OR BS EN 13108-4:2006.
 - A BITUMINOUS SPRAY TACK COAT COMPLYING WITH CLAUSES 903.4 AND 920 AND AS DESCRIBED IN APPENDIX 7/4 SHALL BE APPLIED TO ALL EXISTING CARRIAGEWAY SURFACES ON WHICH BITUMINOUS MATERIALS ARE TO BE LAID.
 - ROAD HUMP TRAFFIC SIGNS AND ROAD MARKINGS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGN REGULATIONS AND GENERAL DIRECTIONS

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS

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SCHEME TITLE

STANDARD DETAILS

DRAWING TITLE

**TRAFFIC CALMING DETAILS
FLAT TOP HUMPS**

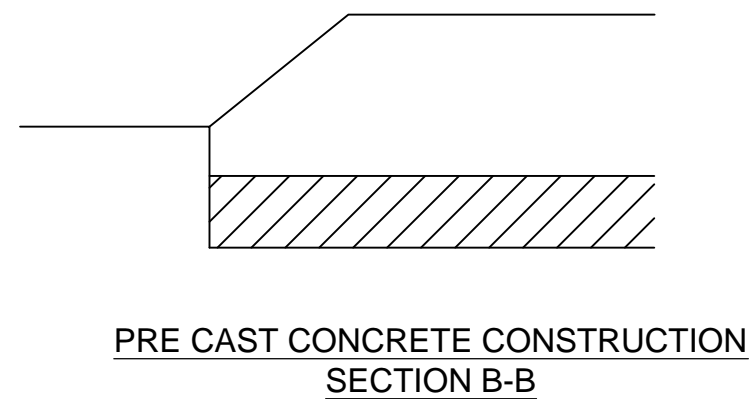
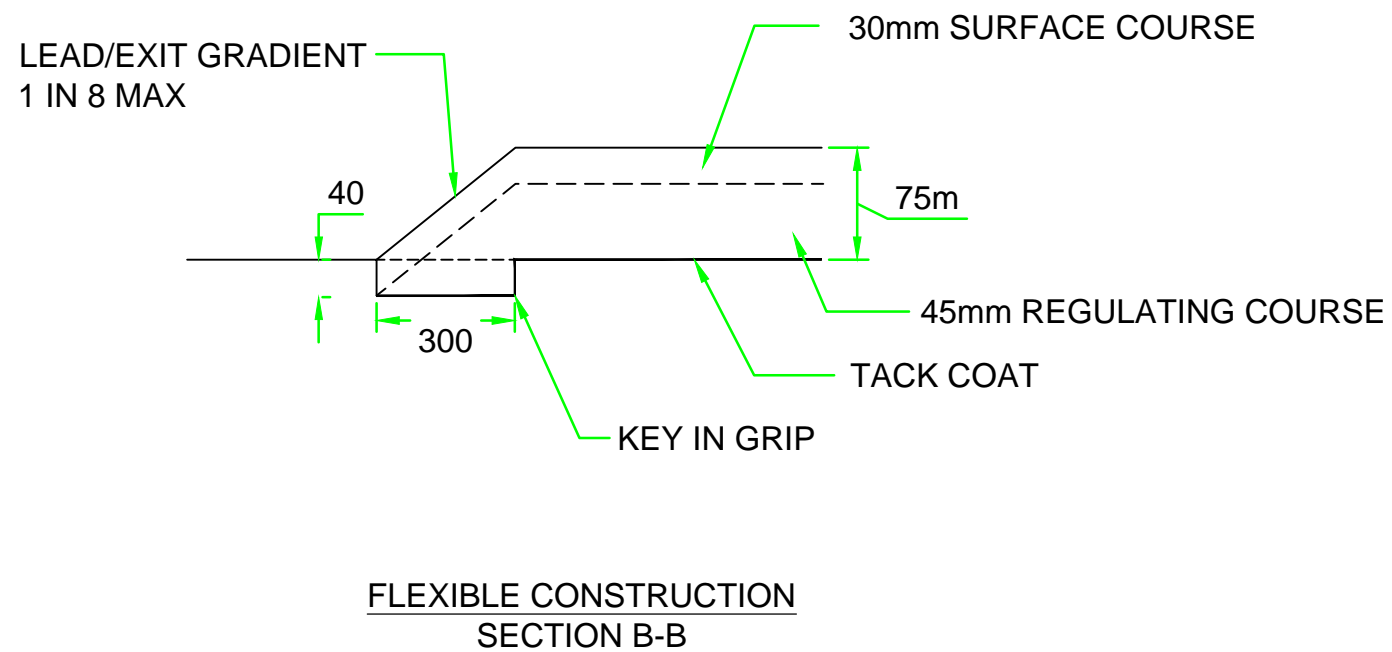
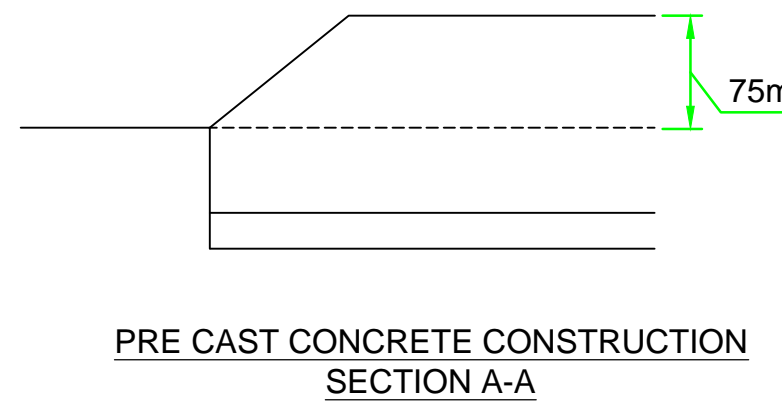
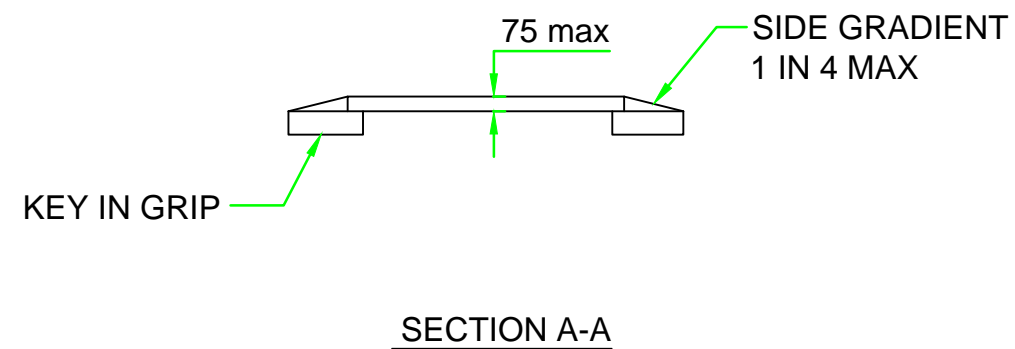
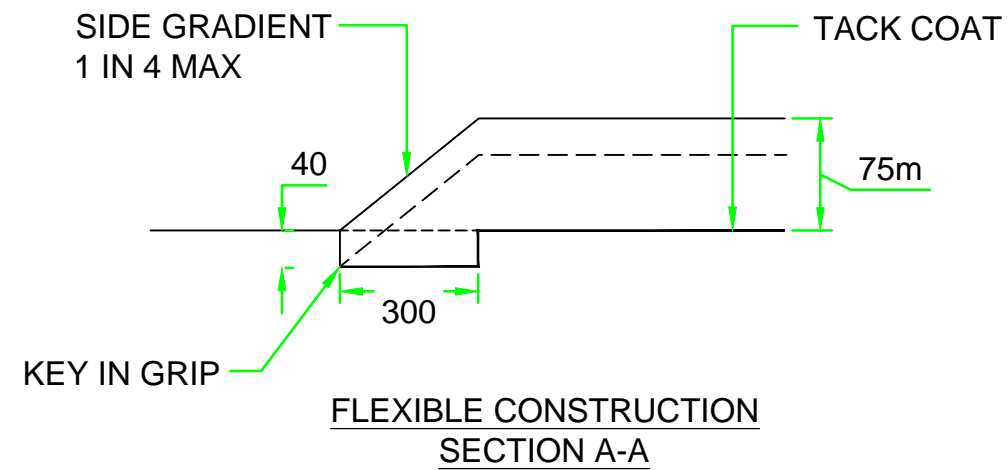
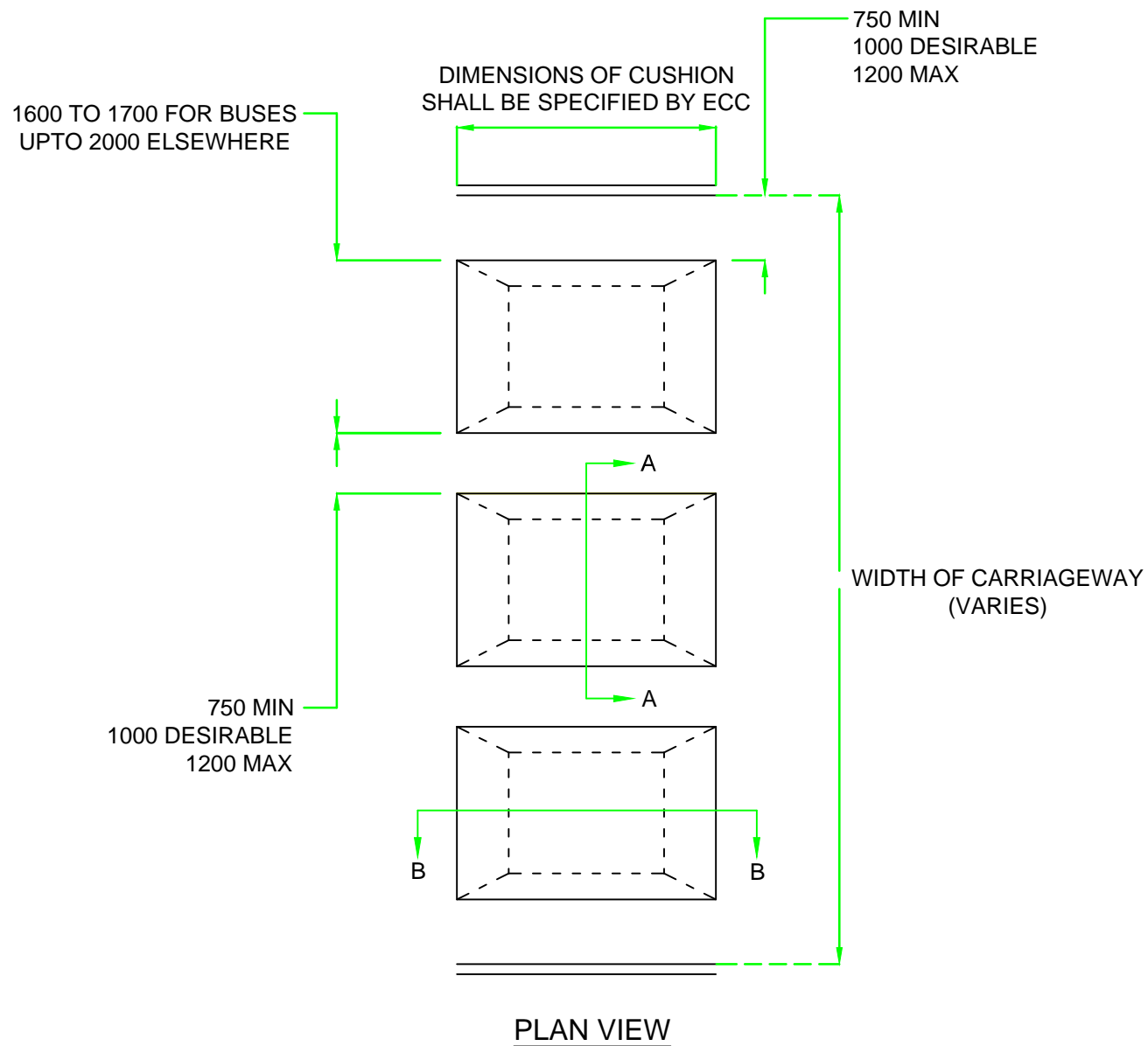
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EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES

SCALE AT A3 (420x297mm) N.T.S

DRAWING No. **ECC-SD-0700-006** REV. -





NOTES

- DO NOT SCALE FROM DRAWING.
- ROAD HUMPS SHALL COMPLY WITH STATUTORY INSTRUMENT 1999 NO.1025 THE HIGHWAYS (ROAD HUMPS) REGULATIONS 1999.
- BITUMINOUS MATERIAL TO BE DESIGNED TO SUIT SITE SPECIFICS, IN ACCORDANCE WITH BS. EN 13108-1:2006 OR BS EN 13108-4:2006.
- A BITUMINOUS SPRAY TACK COAT COMPLYING WITH CLAUSES 903.4 AND 920 AND AS DESCRIBED IN APPENDIX 7/4 SHALL BE APPLIED TO ALL EXISTING CARRIAGEWAY SURFACES ON WHICH BITUMINOUS MATERIALS ARE TO BE LAID.
- ROAD HUMP TRAFFIC SIGNS AND ROAD MARKINGS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGN REGULATIONS AND GENERAL DIRECTIONS.
- PRE-CAST CONCRETE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS

APPROVED



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SCHEME TITLE

STANDARD DETAILS

DRAWING TITLE

TRAFFIC CALMING DETAILS
SPEED CUSHIONS

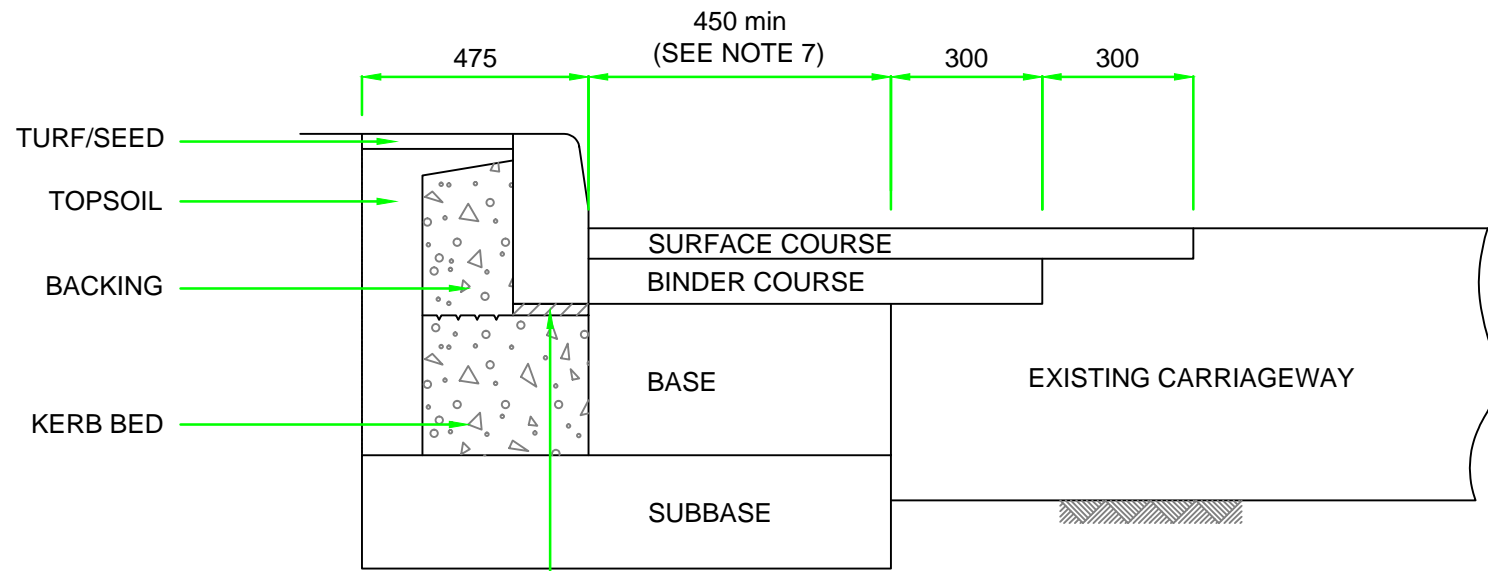
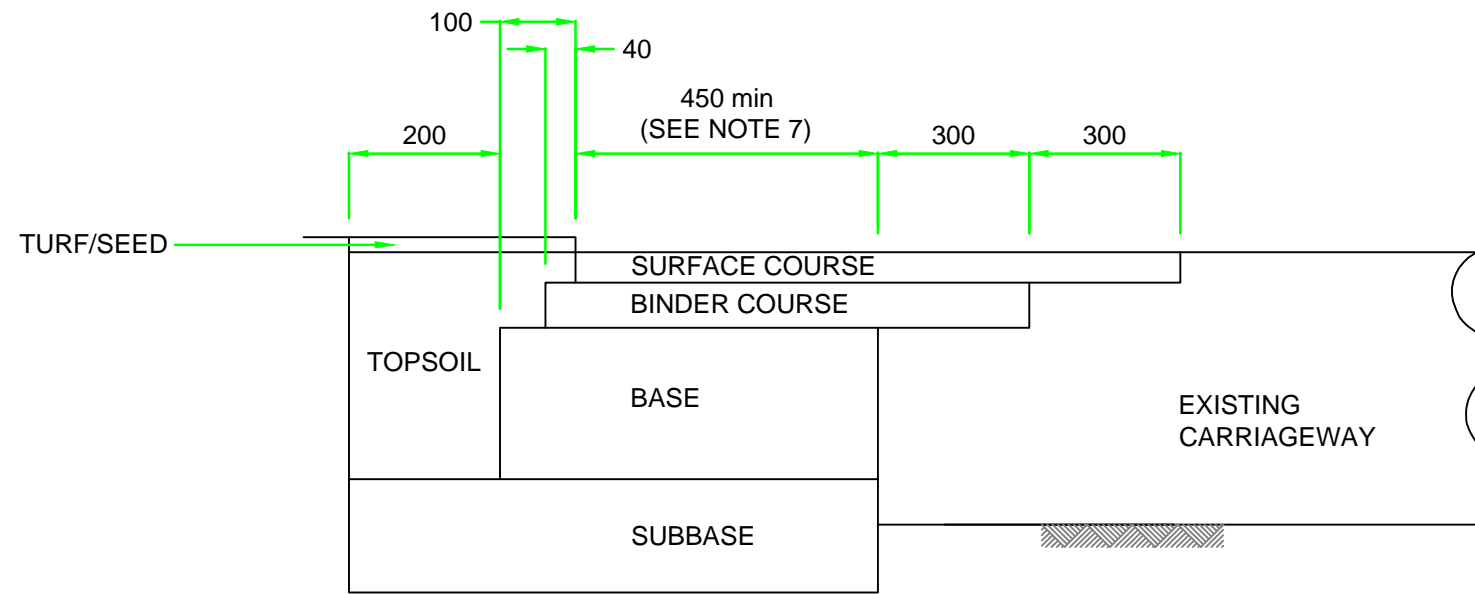
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
N.T.S

DRAWING No. **ECC-SD-0700-007** REV. -





MORTAR BED TO B.S.7533-6 :
1999 PARAGRAPH 4

NOTES

1. DO NOT SCALE FROM DRAWING
2. ALL DIMENSIONS ARE IN MILLIMETRES.
3. EXTENT OF HAUNCH TO BE DETERMINED BY THE ENGINEER.
4. EXCAVATION TO BE EXTENDED TO SOUND MATERIAL IF DIRECTED BY THE ENGINEER, TO BE BACK-FILLED WITH TYPE 1 MATERIAL.
5. EXISTING CARRIAGEWAY TO BE CUT BACK TO SOUND MATERIAL AS SHOWN.
6. ALL VERTICAL FACES TO BE FREE FROM LOOSE MATERIAL AND COATED WITH A HOT BITUMINOUS BINDER TO MCHW CLAUSE 706.7.
7. ALL EXISTING SURFACES TO BE CLEAN AND FREE FROM STANDING WATER AND COATED WITH A BITUMINOUS SPRAY TACK COAT TO MCHW CLAUSES 903.4 AND 920 FOR SMALL AREAS.
8. AREA LESS THAN 450mm WIDE BASE WOULD NEED TO BE A CONCRETE DESIGN.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

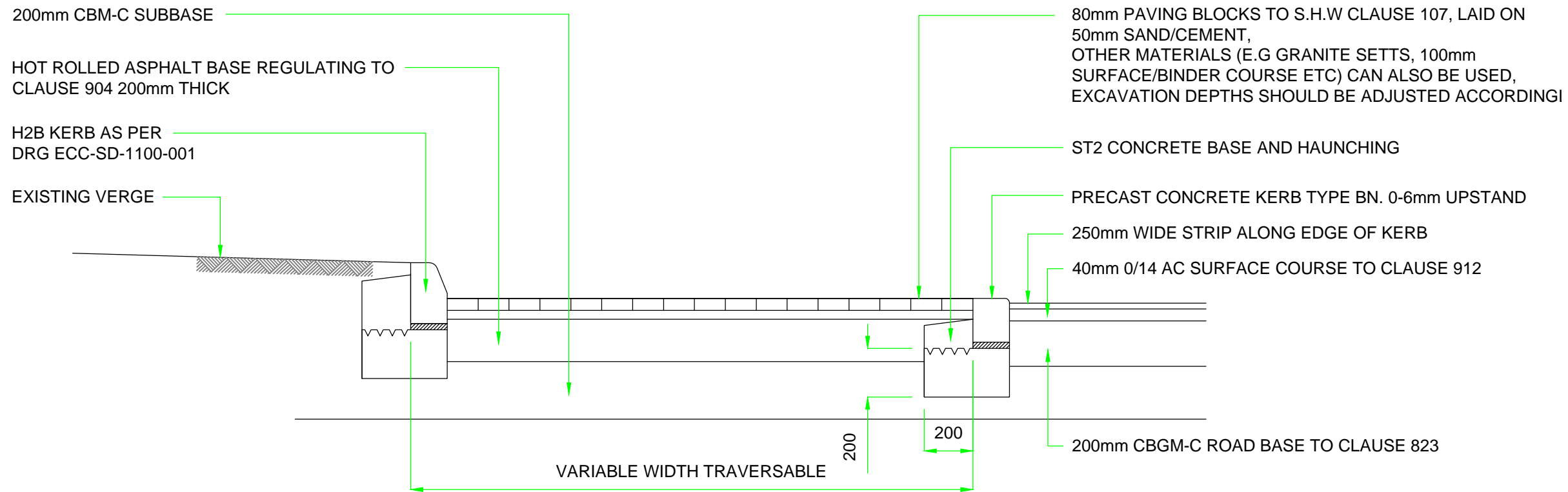
DRAWING TITLE **EDGE HAUNCH**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0700-008** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. ALL ST CONCRETE SHALL BE TO MCHW CLAUSE 2606

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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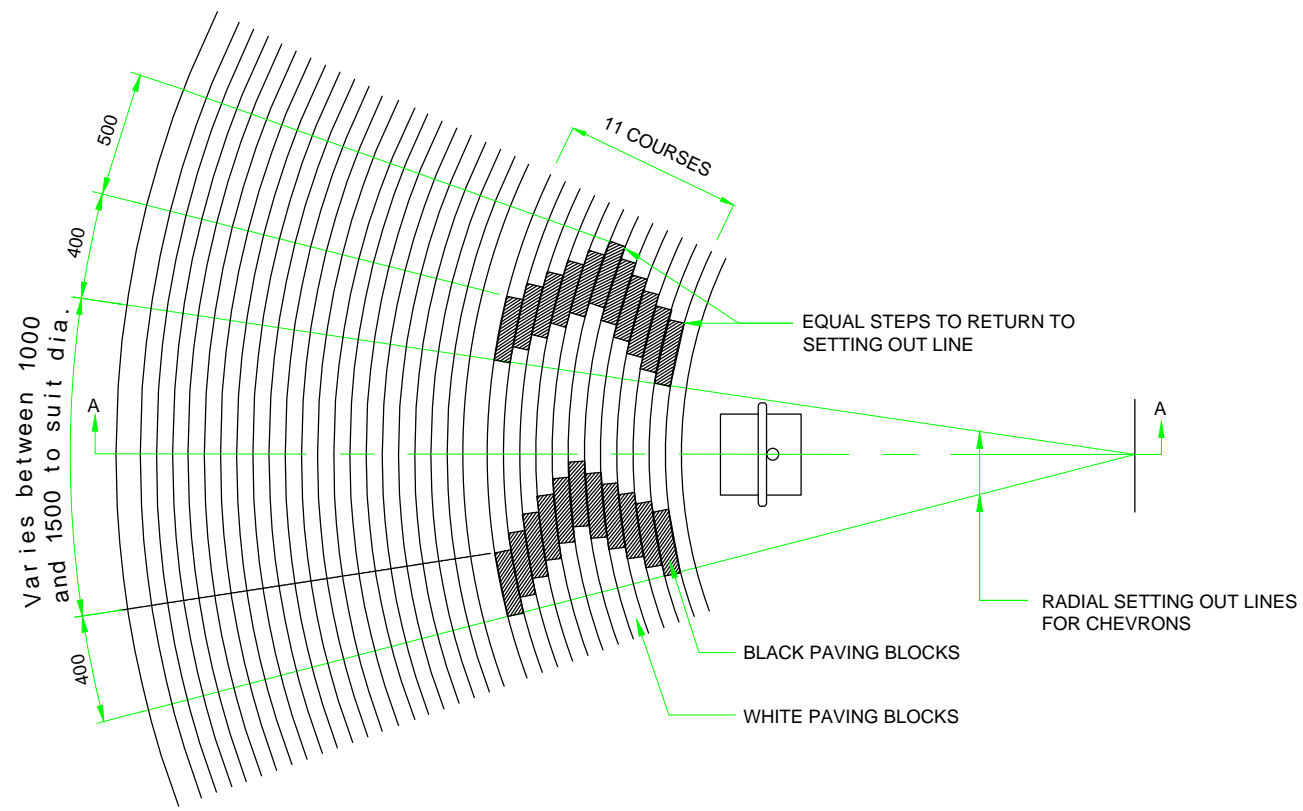
SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **OVERRUN AREA**

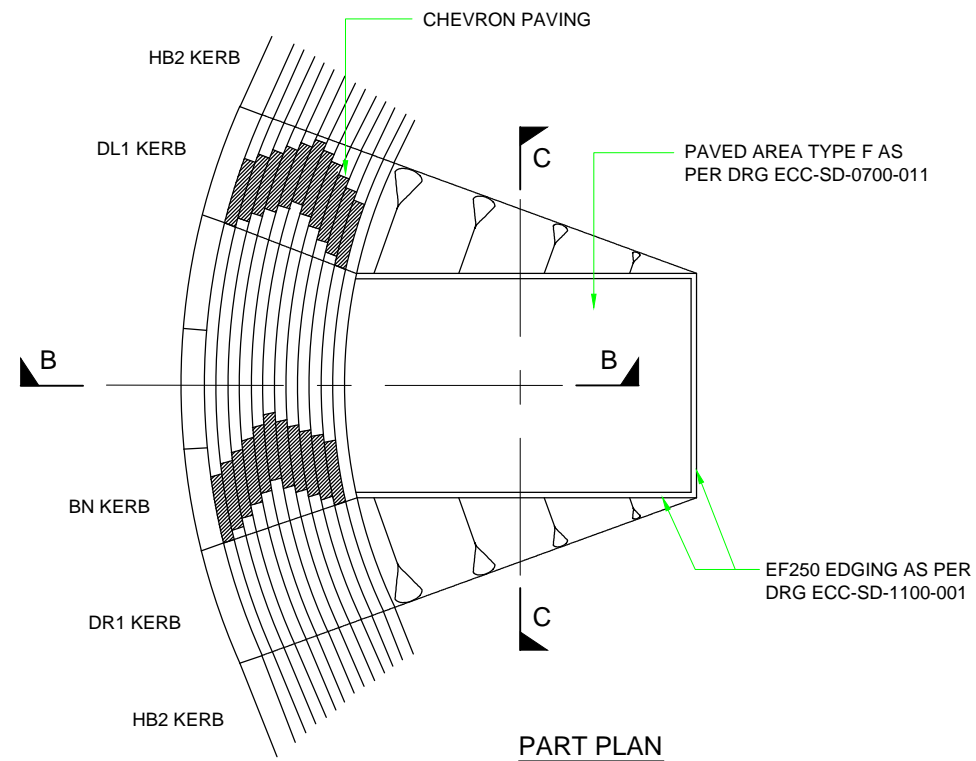
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EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O.				SCALE AT A3 (420x297mm)
DIMENSIONS IN MILLIMETRES				N.T.S.
LEVELS IN METRES				

DRAWING No. **ECC-SD-0700-009** REV. **-**

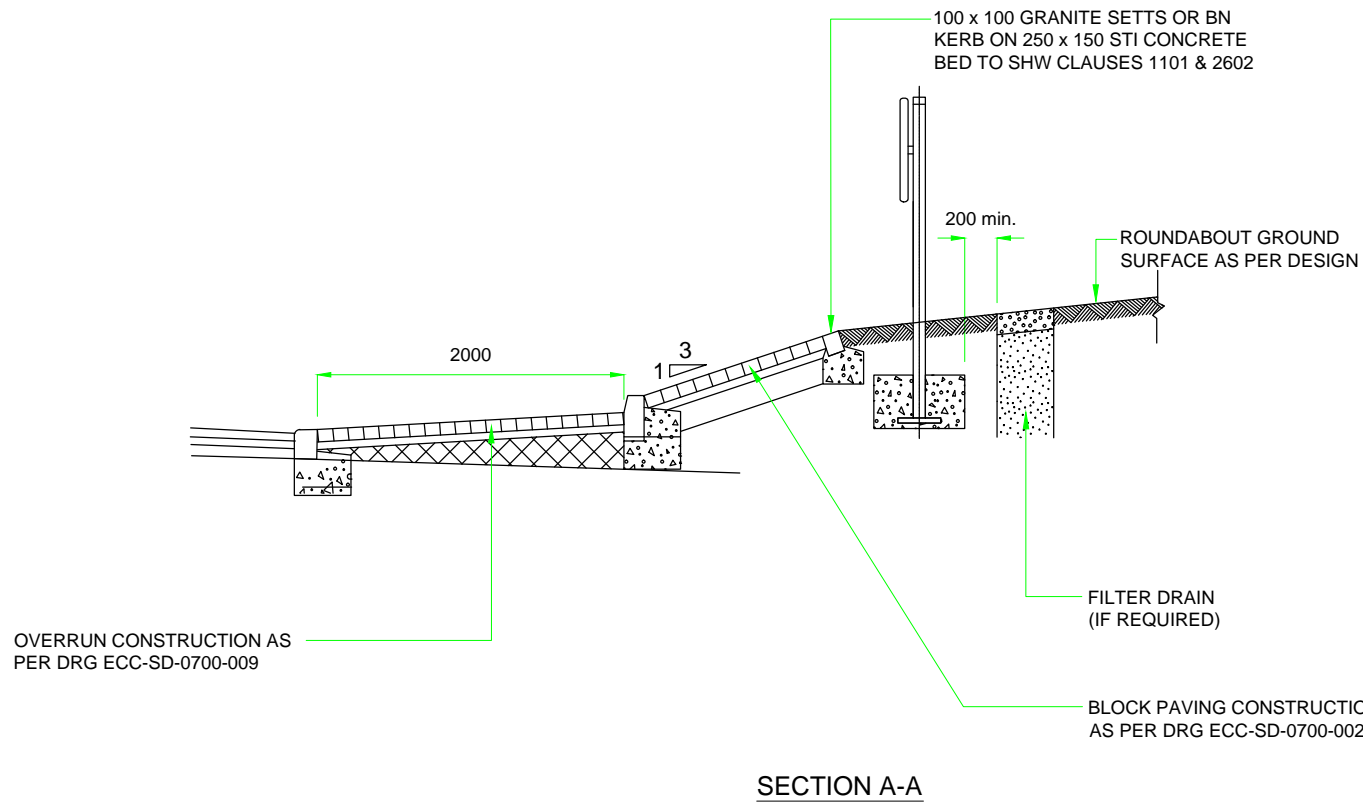




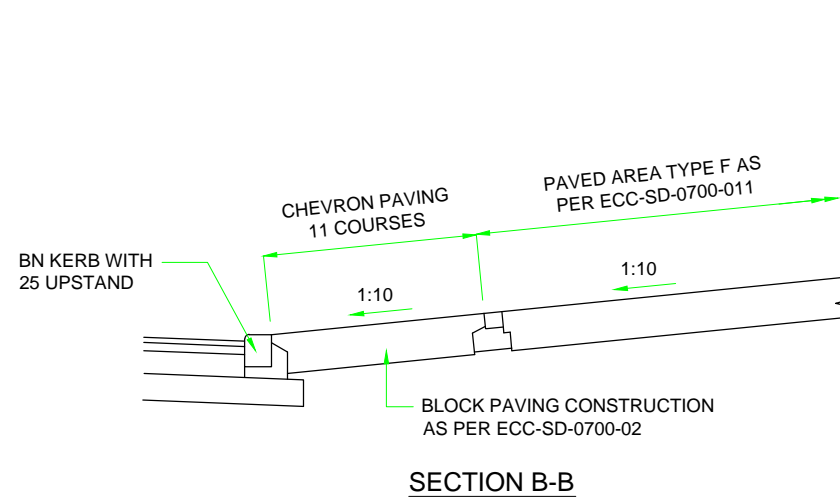
PART PLAN



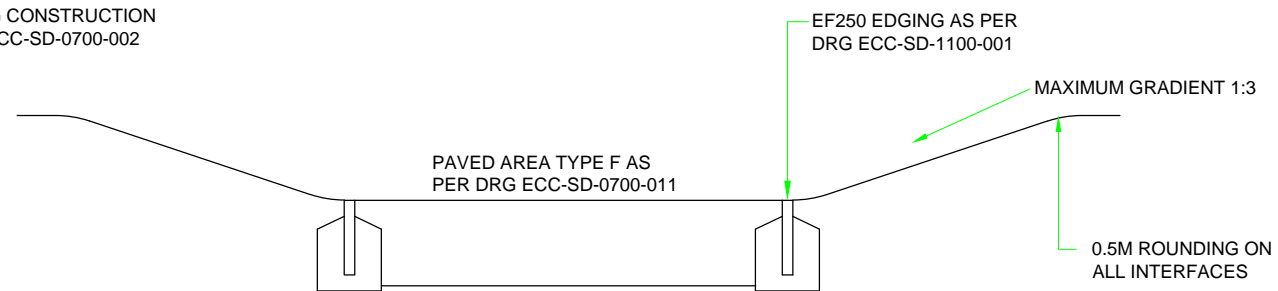
PART PLAN



SECTION A-A



SECTION B-B



SECTION C-C

NOTES

- DO NOT SCALE FROM DRAWING.
- WHITE PAVING BLOCKS SHALL BE 200 X 100 X 80 PLAIN CONCRETE WITH WHITE RESIN BONDED "ARCLYT" AGGREGATE FINISH WITH MINIMUM 20% BALLOTINI CONTENT SURFACE AS SUPPLIED BY MARSHALLS OF HALIFAX OR EQUIVALENT. THEY SHALL BE CUT AS NECESSARY TO FIT CHEVRON SPACING.
- BLACK PAVING BLOCKS SHALL BE 200 X 100 X 80 PLAIN CONCRETE WITH BLACK RESIN BONDED SURFACE FINISH AS SUPPLIED BY MARSHALLS OF HALIFAX OR EQUIVALENT.
- WHERE PAVING BLOCKS BUTT TO THE BACK OF KERBS AND SETTS THE CONCRETE BACKING SHALL BE KEPT 90 BELOW TOP OF KERBS AND SETTS.
- CHEVRON PAVING TO BE DROPPED LOCALLY AND CONTINUED ACROSS THE ACCESS RAMP. WIDTH TO SUIT REQUIREMENT OF SITE.
- ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

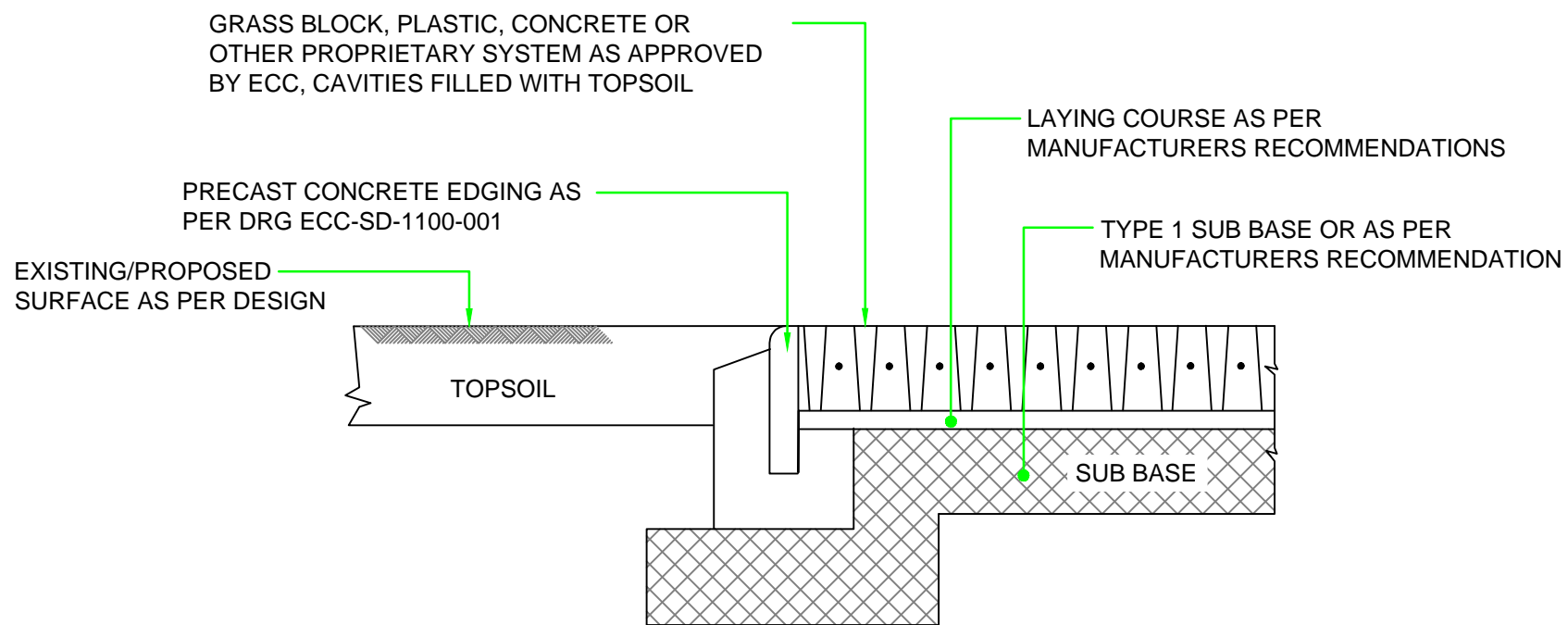
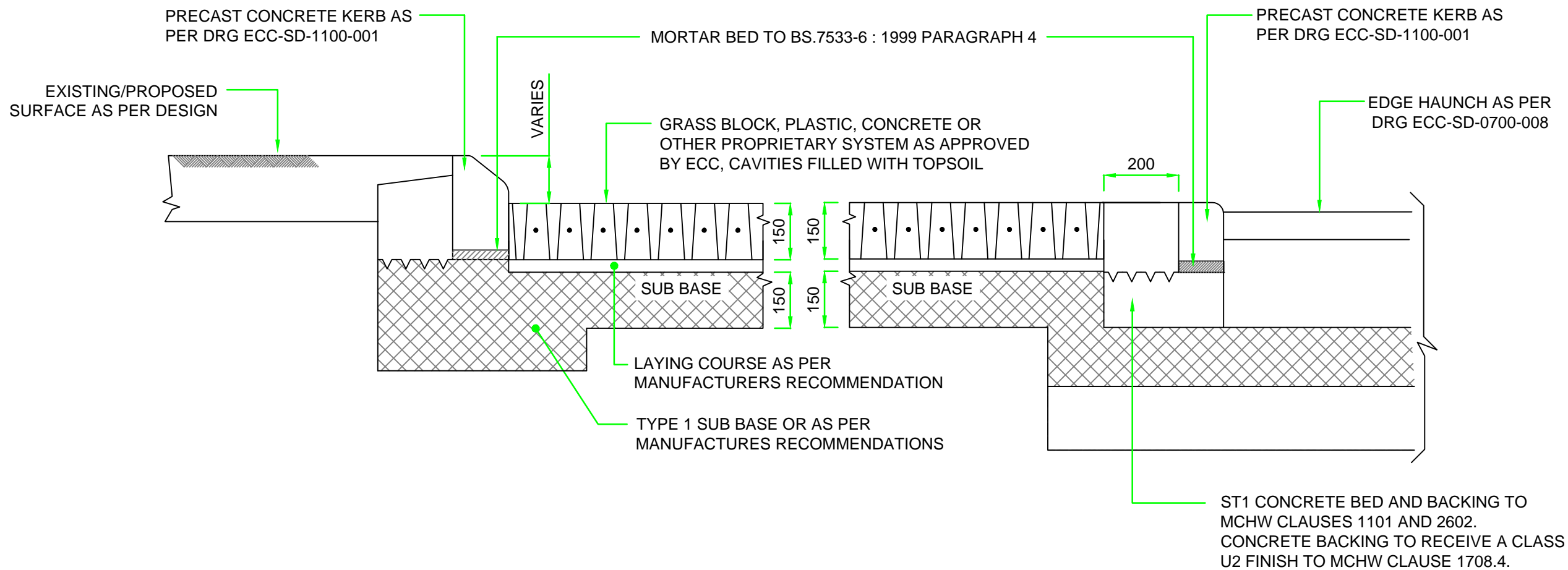
DRAWING TITLE **PAVED CHEVRONS TO ROUNDABOUTS (2m WIDE TRAVERSABLE STRIP)**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A2 (594x420mm) N.T.S

DRAWING No. **ECC-SD-0700-010** REV. -





NOTES

1. DO NOT SCALE FROM DRAWING.
2. TOPSOIL SHALL BE AS DESCRIBED IN THE CONTRACT
3. CARRIAGEWAY SURFACING, BASE AND SUBBASE SHALL BE AS DESCRIBED IN APPENDIX 7/1
4. KERBS MAY BE LAID AND BEDDED AS SHOWN OR DIRECTLY ON A ST1 CONCRETE FOUNDATION AS MCHW CLAUSE 1101.1 AND BS.7533-6 : 1999, PARAGRAPH 4.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **PAVED AREA TYPE F**

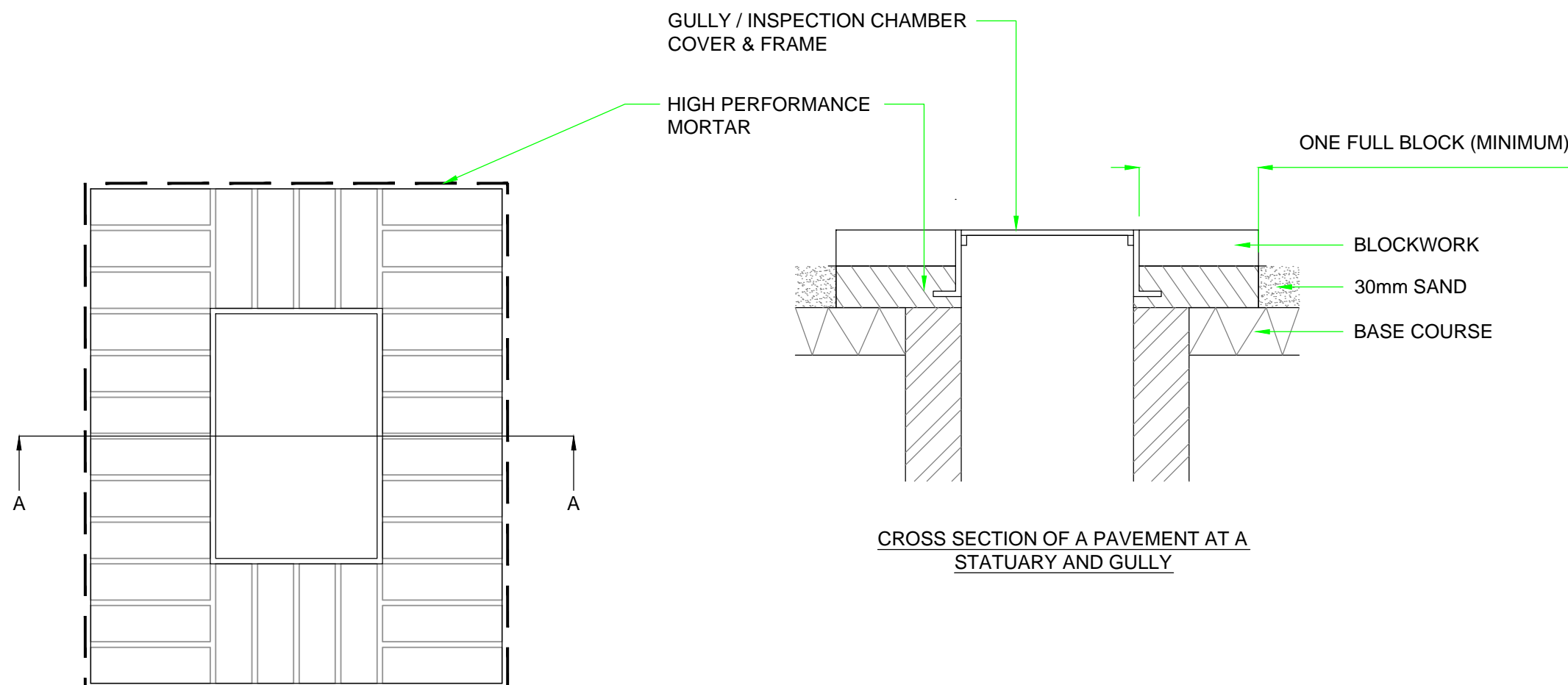
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S

DRAWING No. **ECC-SD-0700-011** REV. **-**



NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. BLOCK NOT TO SIT ON BOTH SAND AND HIGH PERFORMANCE MORTAR.



CROSS SECTION OF A PAVEMENT AT A STATUARY AND GULLY

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

DRAWING TITLE
COVER & FRAME SURROUND IN BLOCK PAVED CARRIAGEWAY (HIGH PERFORMANCE MORTAR)

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

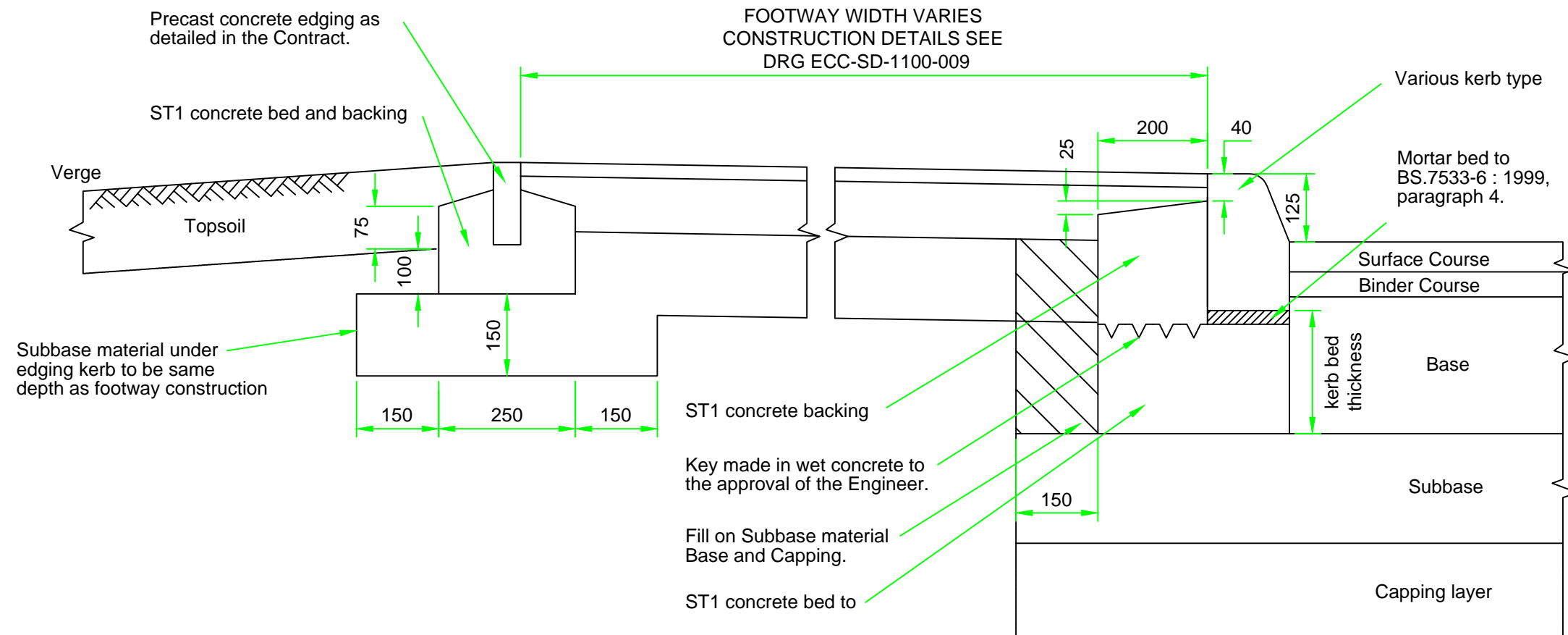
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-0700-012** REV. **-**



NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW



Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAIL**

DRAWING TITLE **KERB AND EDGING DETAILS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O.				SCALE AT A3 (420x297mm)
DIMENSIONS IN MILLIMETRES				N.T.S
LEVELS IN METRES				

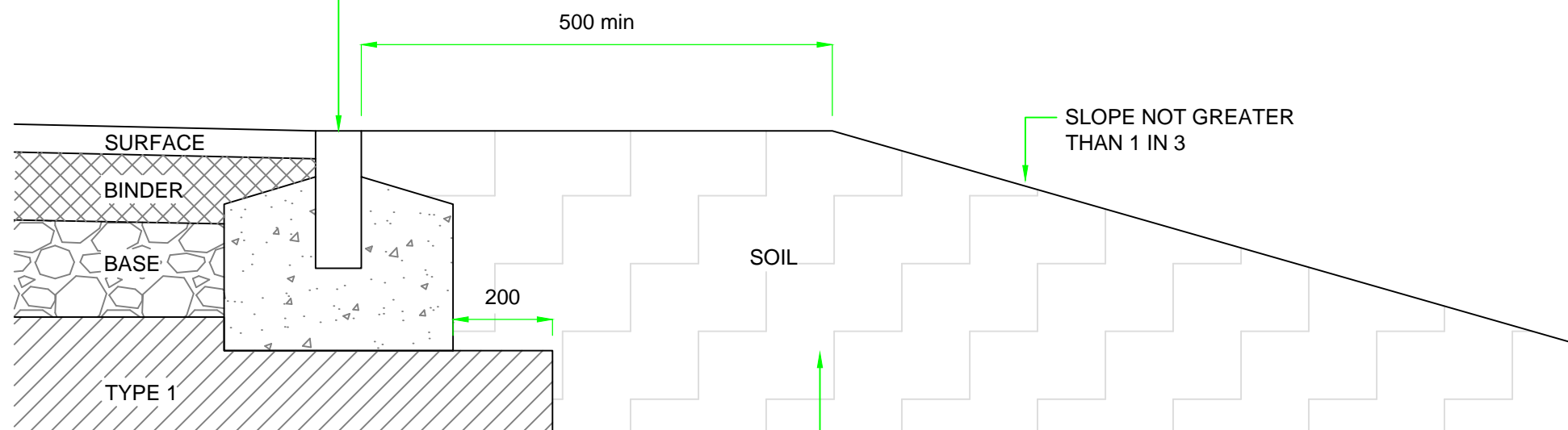
DRAWING No. **ECC-SD-1100-001** REV. **-**



NOTES

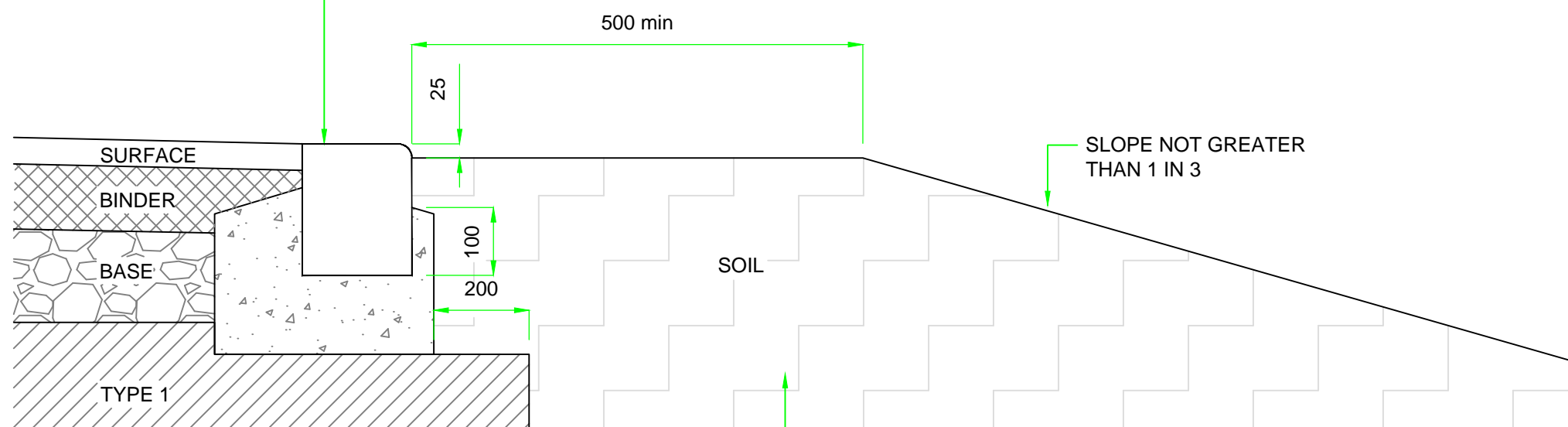
- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.

PRECAST CONCRETE EDGING AS DETAILED IN DRG No ECC-SD-1100-001



BACKFILL TO BE A GRADED MATERIAL TO BE MCHW SERIES 600 AND COMPACTED TO MCHW TABLE 6/1 AND 6/4

BULLNOSE KERB AS DETAILED IN DRG No ECC-SD-1100-001



BACKFILL TO BE A GRADED MATERIAL TO BE MCHW SERIES 600 AND COMPACTED TO MCHW TABLE 6/1 AND 6/4

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAIL**

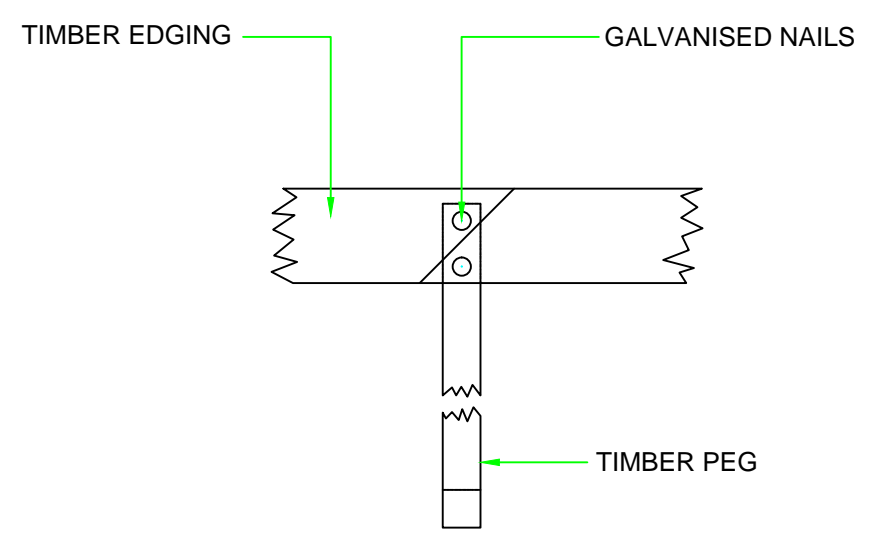
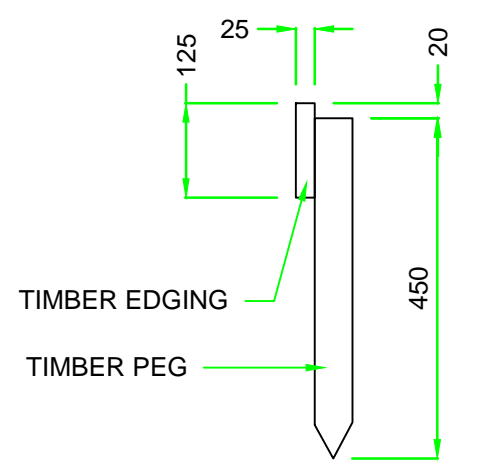
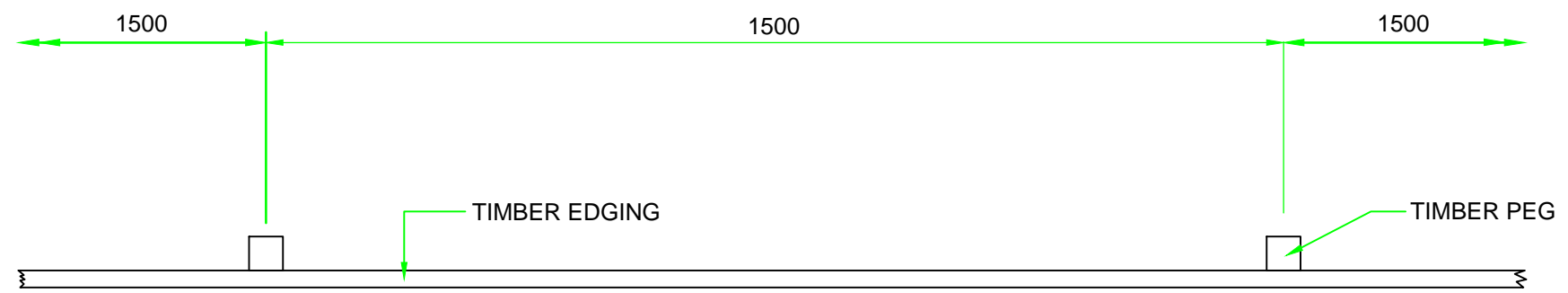
DRAWING TITLE **EDGE OF PAVEMENT DETAIL SCOPE FALLING AWAY FROM C'WAY & FOOTWAY**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1100-002** REV. **-**





NOTE:

1. DO NOT SCALE FROM DRAWING.
2. EDGING SHALL COMPRISE OF 25 X 125 SAWN TIMBER NAILED TO 50 X 50 X 450 LONG TIMBER PEG WITH TWO 4 X 50 ROUND GALVANISED NAILS AND LEFT IN PLACE TO RETAIN FOOTWAY OR PAVED AREA.
3. TIMBER PEGS ARE TO BE INSTALL AT 1500 CENTRES BEHIND EDGING.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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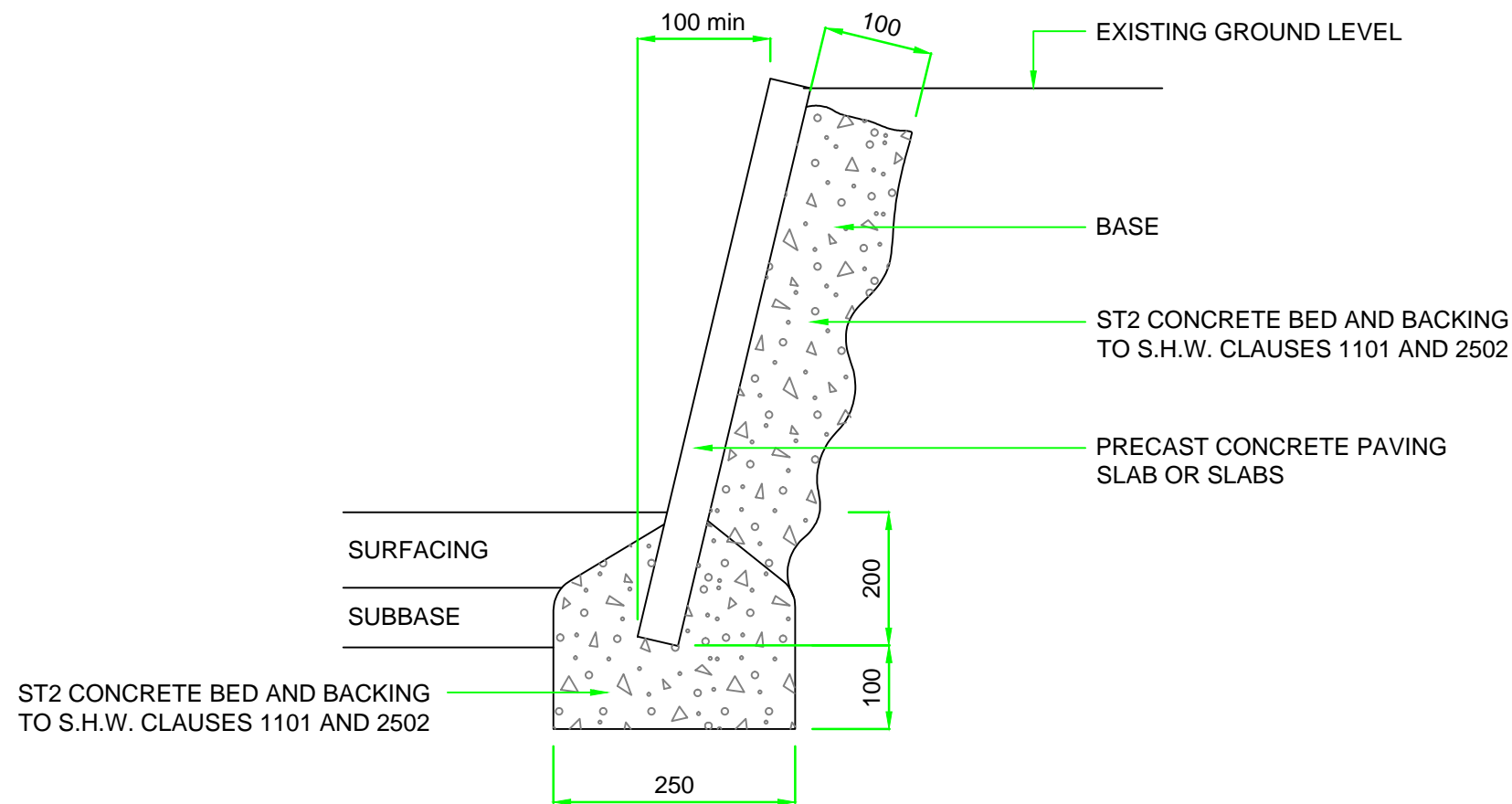
SCHEME TITLE **STANDARD DETAIL**

DRAWING TITLE **TIMBER EDGING TYPE EFT**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S

DRAWING No. **ECC-SD-1100-003** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. DIMENSIONS OF PRECAST CONCRETE PAVING SLABS SHALL BE AS SPECIFIED. SLOPE OF PAVING SLABS TO SUIT SITE
3. SLOPE OF PAVING SLABS TO SUIT SITE CONDITIONS.
4. EXISTING GROUND LEVEL MAY BE LEVEL AS SHOWN OR SLOPING DOWN TOWARDS PAVING SLAB.
5. SLABS SHALL CONFORM WITH BS EN1399 OR BS EN1341.
6. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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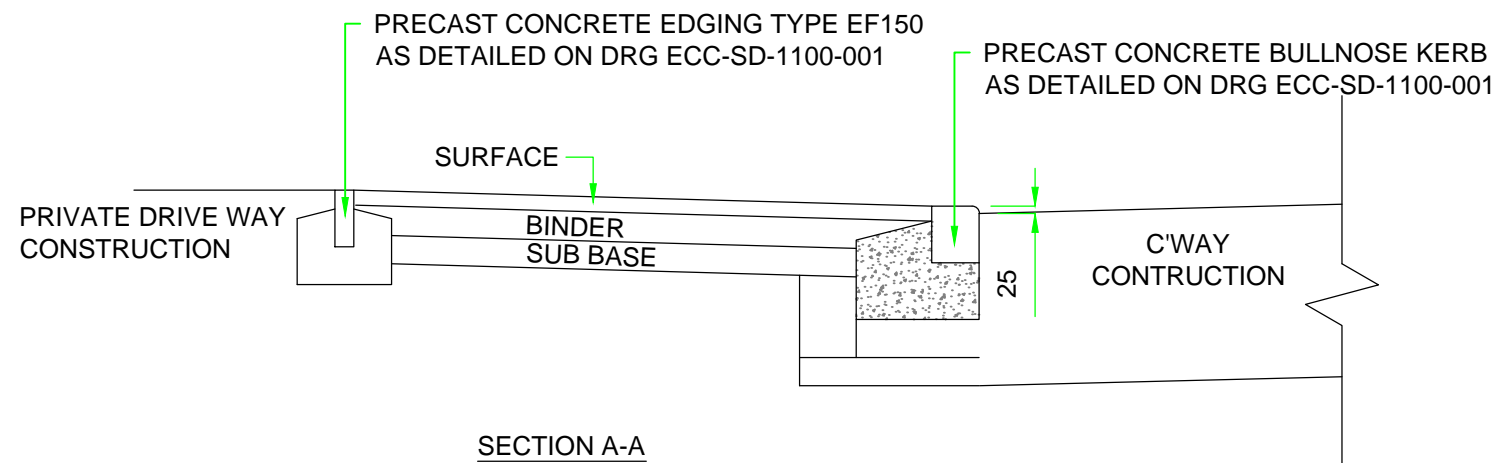
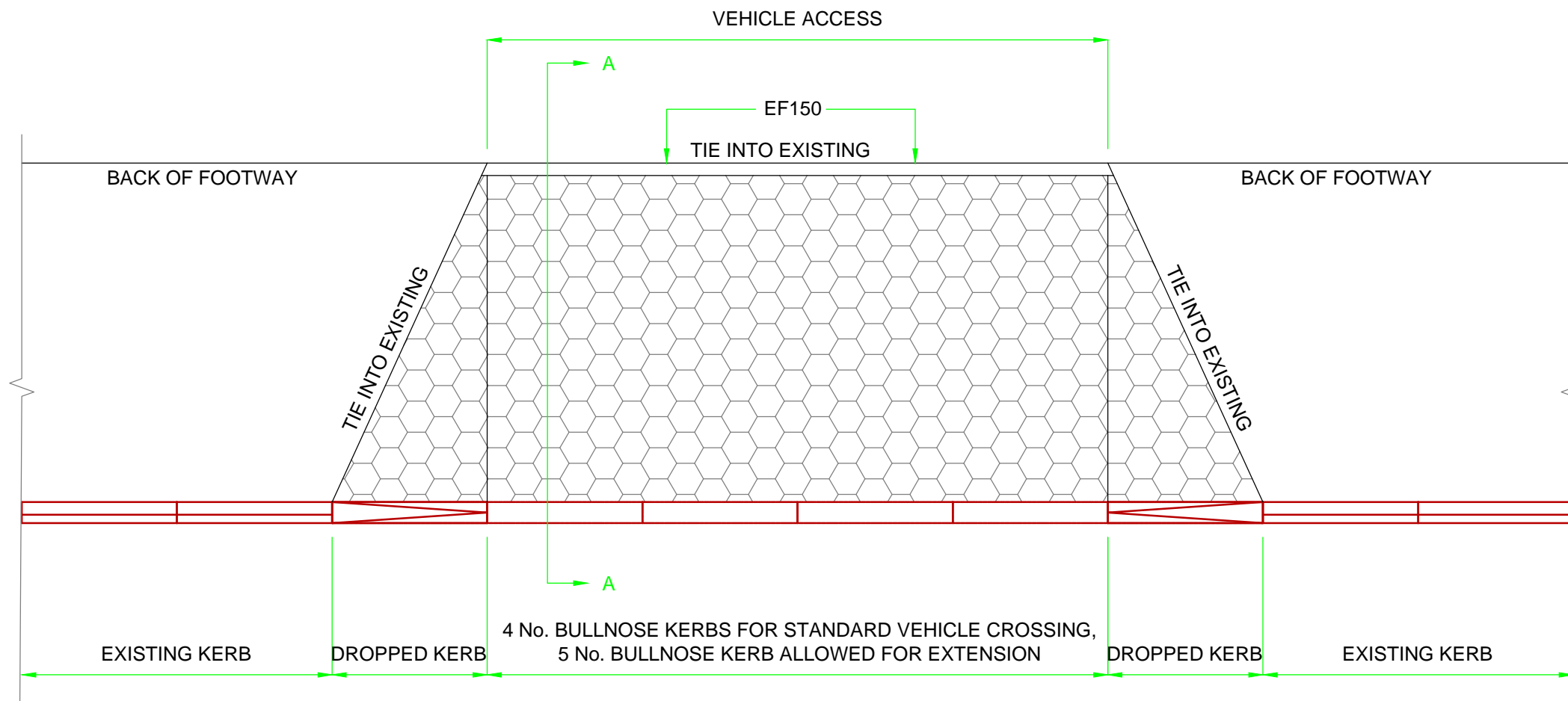
SCHEME TITLE **STANDARD DETAIL**

DRAWING TITLE **PRECAST PAVING SLAB ON EDGE**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES				SCALE AT A3 (420x297mm) N.T.S

DRAWING No. **ECC-SD-1100-004** REV. **-**





NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS: **APPROVED**



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SCHEME TITLE: **STANDARD DETAIL**

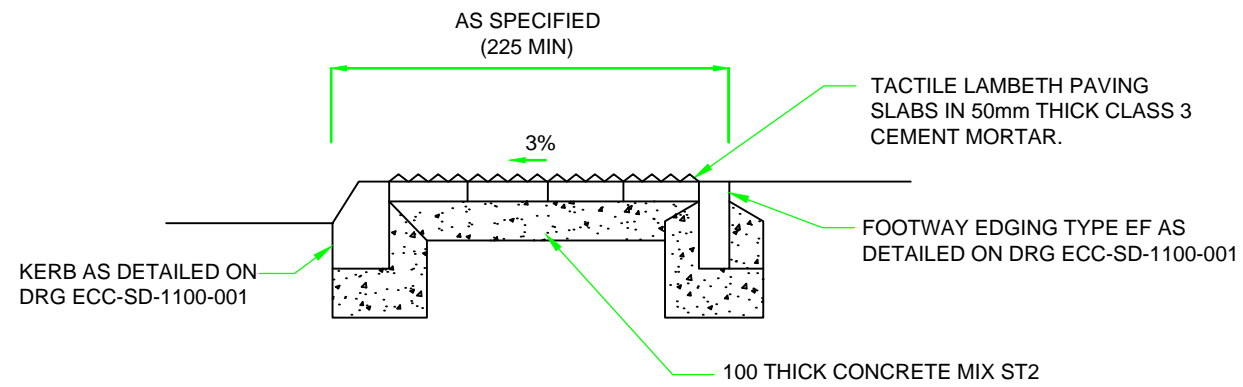
DRAWING TITLE: **VEHICLE CROSS OVER**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

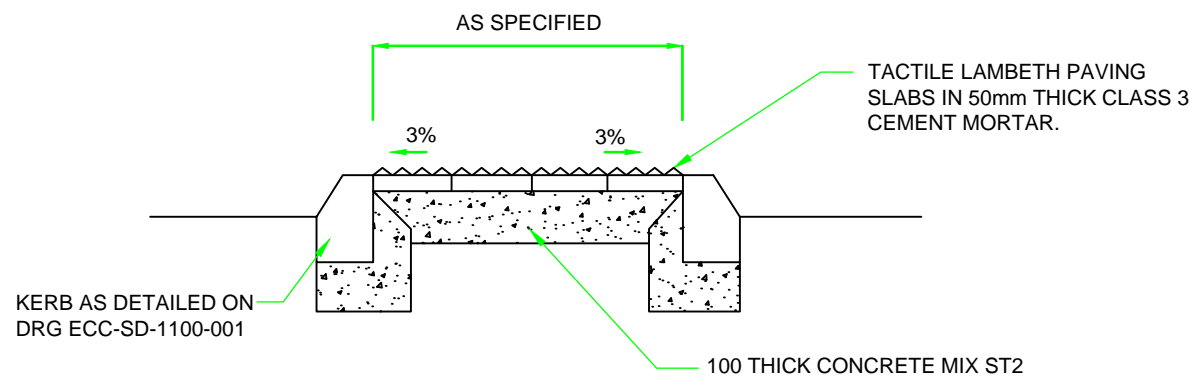
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1100-005** REV. **-**

CONSTRUCTION SPECIFICATION	
RESIDENTIAL CROSSOVERS	
SURFACE	25mm AC 6 DENSE SURF 100/150 REC TO BS EN 13108-1 ASPHALT CONCRETE OR 30MM HRA 15/10 F SURF 100/150 REC TO BS EN 13108-4 HOT ROLLED ASPHALT
BINDER	100mm AC 20 DENSE BINDER 100/150 REC TO BS EN 13108-1 ASPHALT CONCRETE
SUB BASE	150mm TYPE 1 UNBOUND MIXTURE GRANULAR MATERIAL TO THE SPECIFICATION OF MCHW CLAUSE 803
INDUSTRIAL CROSSOVERS	
RIGID CONSTRUCTION	
SURFACE	200mm CLASS C32/40 CONCRETE ON WATERPROOF MEMBRANE 65UM THICK MESH REINFORCEMENT TO BS 4483:1998 REFERENCE A252 WITH 40MM COVER
SUB BASE	150mm TYPE 1 UNBOUND MIXTURE GRANULAR MATERIAL TO THE SPECIFICATION OF MCHW CLAUSE 803
FLEXIBLE CONSTRUCTION	
SURFACE	45mm HRA SURFACE COURSE TYPE F 55/14 OR 30MM SMA 10 SURF
BINDER	65mm AC 20 DENSE BIN 40/60 REC TO BS EN 13108-1 ASPHALT CONCRETE
BASE	100mm AC 32 DENSE BASE 100/150 REC TO BS EN 13108-1 ASPHALT CONCRETE
SUB BASE	150mm TYPE 1 UNBOUND MIXTURE GRANULAR MATERIAL TO THE SPECIFICATION OF MCHW CLAUSE 803



COBBLES IN DETERRENT STRIP



COBBLES IN ISLAND CONSTRUCTION

NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL DIMENSIONS IN MILLIMETRES.
3. LAMBETH DETERRENT STRIP MUST NOT BE USED ADJACENT TO CYCLE TRACKS.
4. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW.

Rev.	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

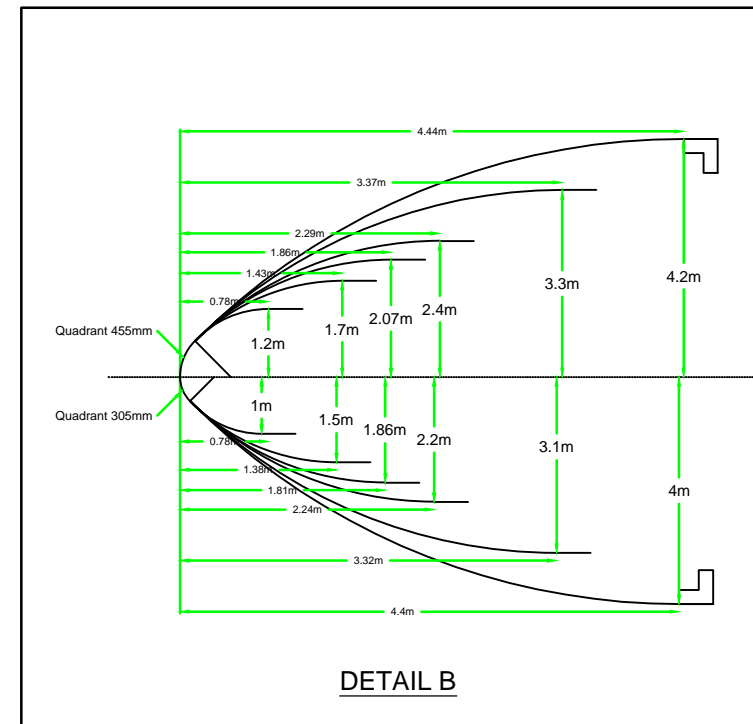
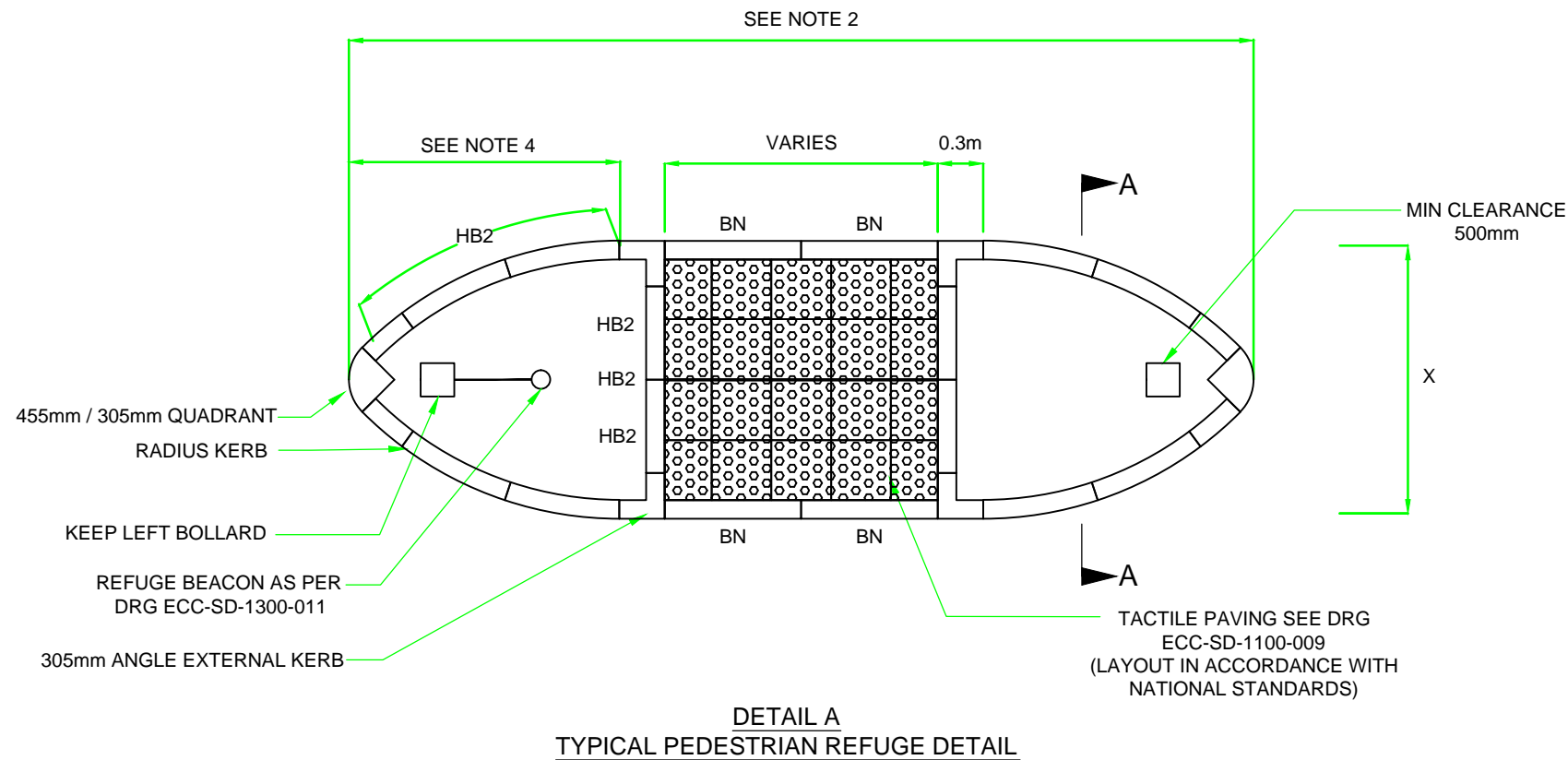
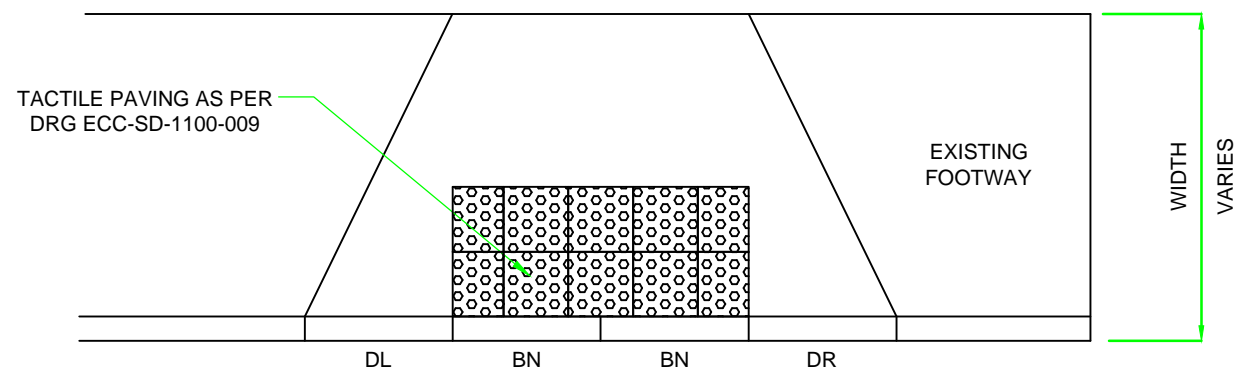
DRAWING TITLE
**PEDESTRIAN DETERRENT
PAVING DETAILS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. SCALE AT A3 (420x297mm)
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES **N.T.S**

DRAWING No. **ECC-SD-1100-006** REV. **-**





NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- REFUGE SHOWN IN DETAIL A 'X' = 1.86m
- THE DIMENSIONS OF THE PEDESTRIAN REFUGE WILL BE DETERMINED FROM DETAIL B, USING WIDTH DIMENSION 'X'.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS

APPROVED



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SCHEME TITLE

HIGHWAY FOLIOS

DRAWING TITLE

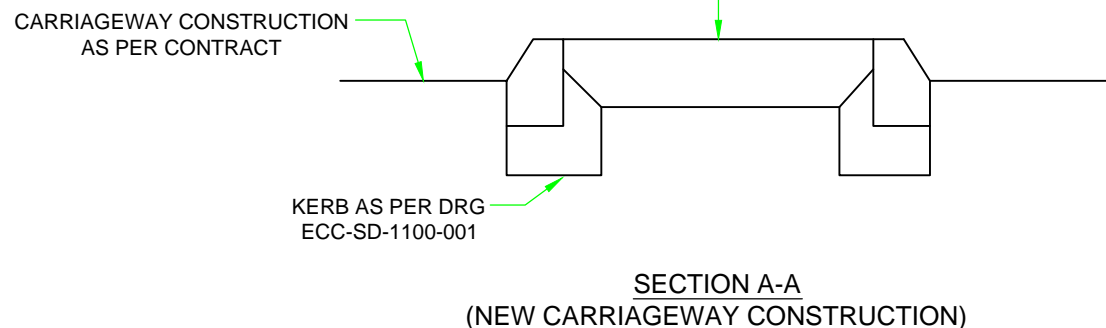
PEDESTRIAN REFUGE DETAILS

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O.				SCALE AT A3 (420x297mm)
DIMENSIONS IN MILLIMETRES				N.T.S
LEVELS IN METRES				

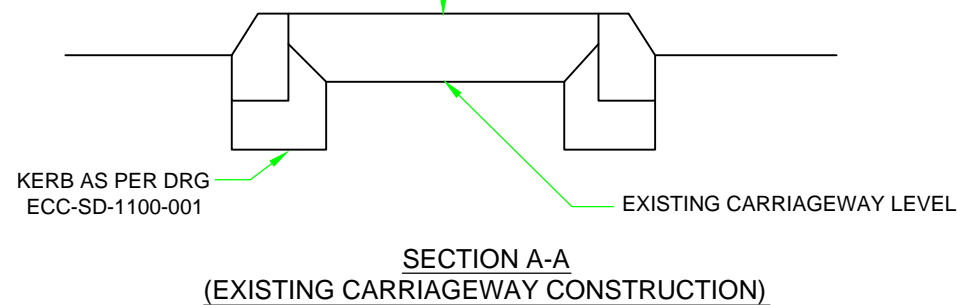
DRAWING No. **ECC-SD-1100-007** REV. -

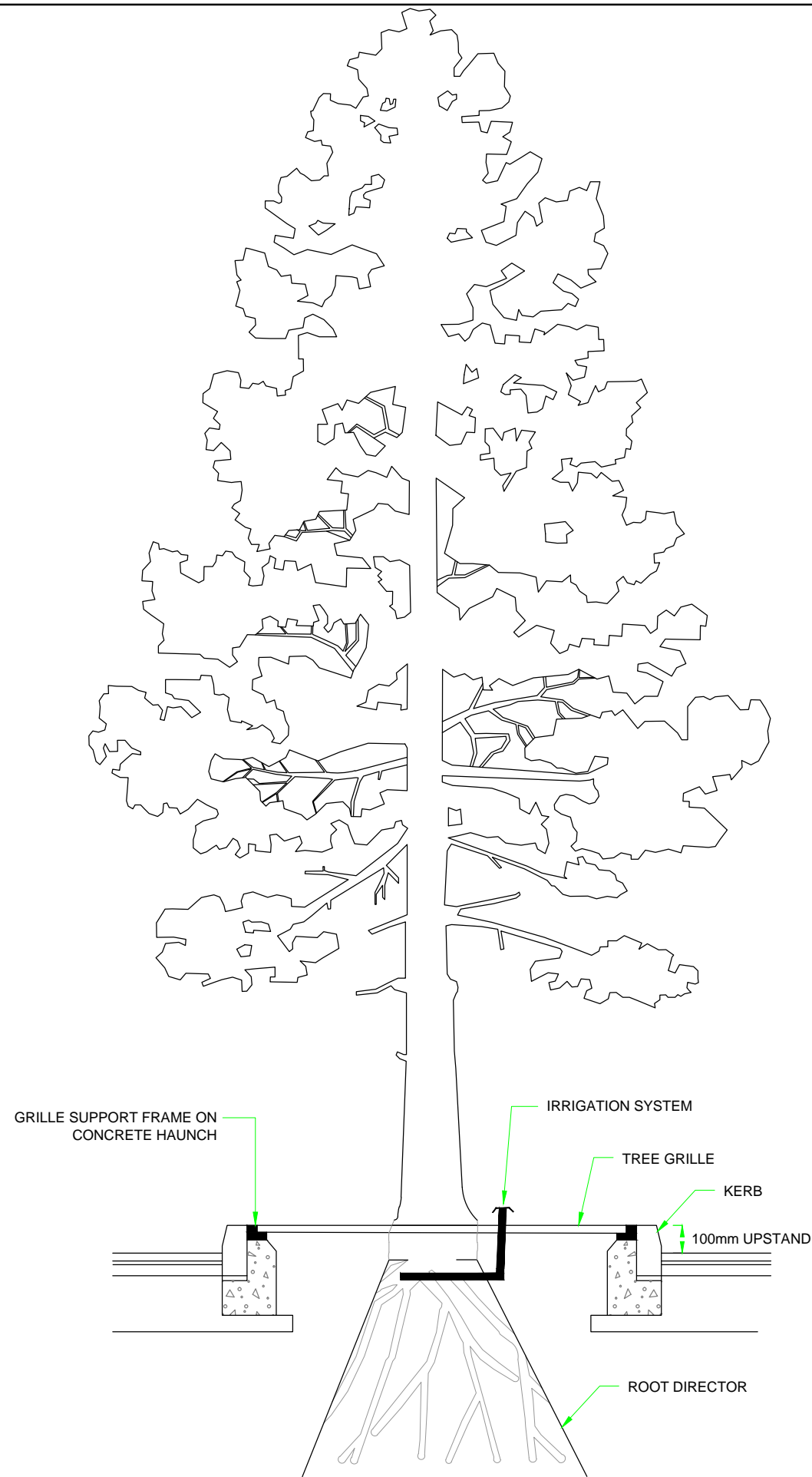


- CONCRETE INFILL**
- C30P UN-REINFORCED CONCRETE (DEPTH 150mm)
 - SUB BASE (DEPTH 100MM)
 - ALL CONCRETE TO MCHW SERIES 1100
- BITUMINOUS INFILL**
- AC6 DENSE SURFACE COURSE (DEPTH 25mm) (MCHW CLAUSE 909)
 - AC20 DENSE BASE COURSE (DEPTH 100MM) (MCHW CLAUSE 906)
 - TYPE 1 SUB BASE (DEPTH 150mm) (MCHW CLAUSE 803)



- CONCRETE INFILL**
- C30P UN-REINFORCED CONCRETE (DEPTH 150mm)
 - TO BE CLASS U2 FINISH IN ACCORDANCE WITH MCHW 17.08
- BITUMINOUS INFILL**
- AC6 DENSE SURFACE COURSE (DEPTH 25mm) (MCHW CLAUSE 909)
 - AC20 DENSE REGULATING COURSE (DEPTH VARIES) (MCHW CLAUSE 906)





NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. GRILLE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

DRAWING TITLE
TREE PIT DETAIL

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A2 (594x420mm) **N.T.S**

DRAWING No.	REV.
ECC-SD-1100-008	-



FOOTWAY CONSTRUCTION:

- 25mm AC6 (ASPHALT CONCRETE) DENSE SURFACE COURSE 100/150 TOBS EN 13108-1 or 30mm HRA (HOT ROLLED ASPHALT) 15/10 F SURFACE COURSE 100/150 TO BS EN 13108-4
- 100mm AC10 DENSE BINDER COURSE 100/150 TO BS EN 13108-1
- 150mm TYPE 1 GRANULAR SUBBASE TO CLAUSE 803 MCHW

NEW FOOTWAY CONSTRUCTION:

- 400x400x65mm BLISTER TACTILE SLABS
- 35mm SAND/CEMENT MORTAR BEDDING
- 150mm WET LEAN CONCRETE BASE.
- MAXIMUM 1:15 GRADIENT (7%)**

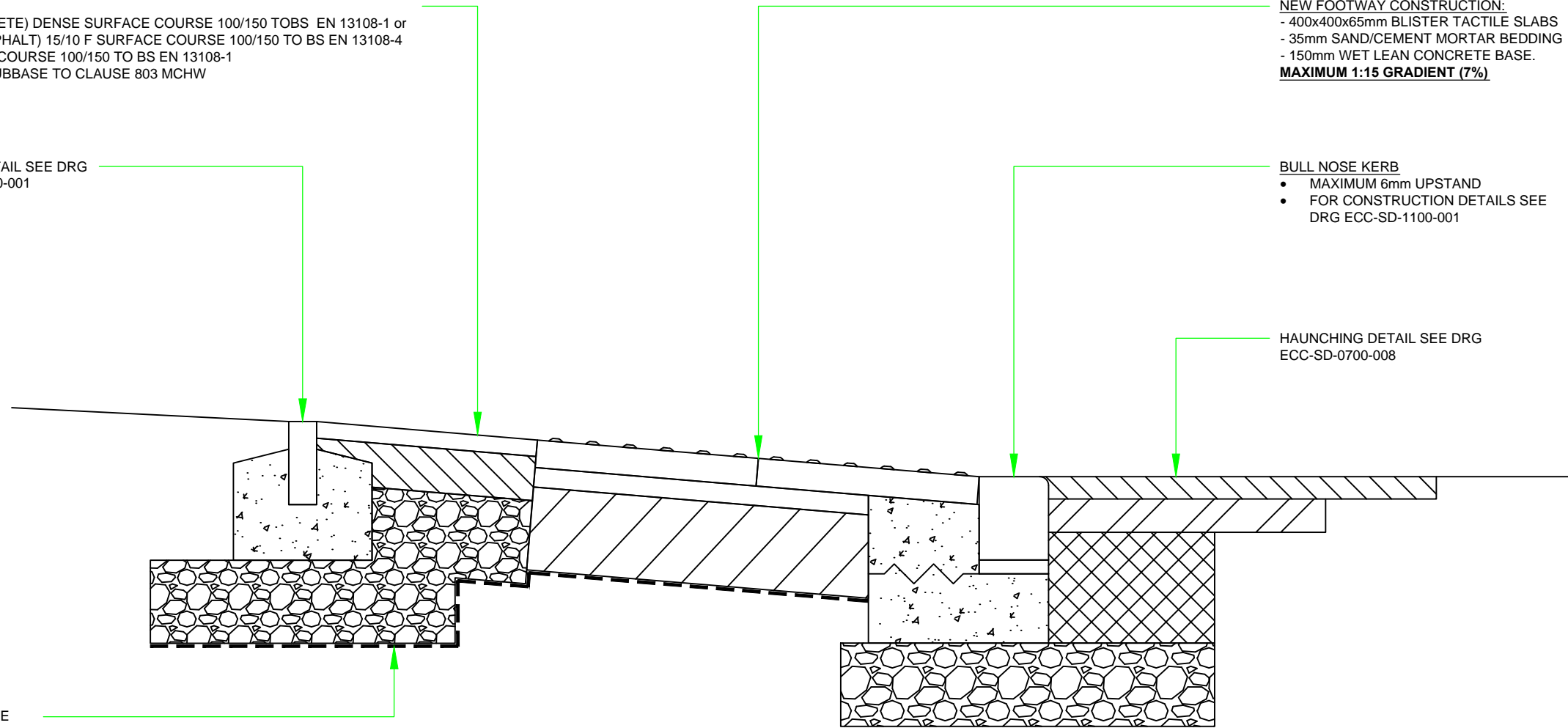
BULL NOSE KERB

- MAXIMUM 6mm UPSTAND
- FOR CONSTRUCTION DETAILS SEE DRG ECC-SD-1100-001

HAUNCHING DETAIL SEE DRG ECC-SD-0700-008

EDGING DETAIL SEE DRG ECC-SD-1100-001

GEOTEXTILE MEMBRANE (TERRAM TYPE T1000 OR EQUIVALENT)



NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. TACTILE PAVING LAYOUTS TO BE IN ACCORDANCE WITH DfT GUIDANCE ON THE USE OF TACTILE PAVING SURFACES.

Rev.	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

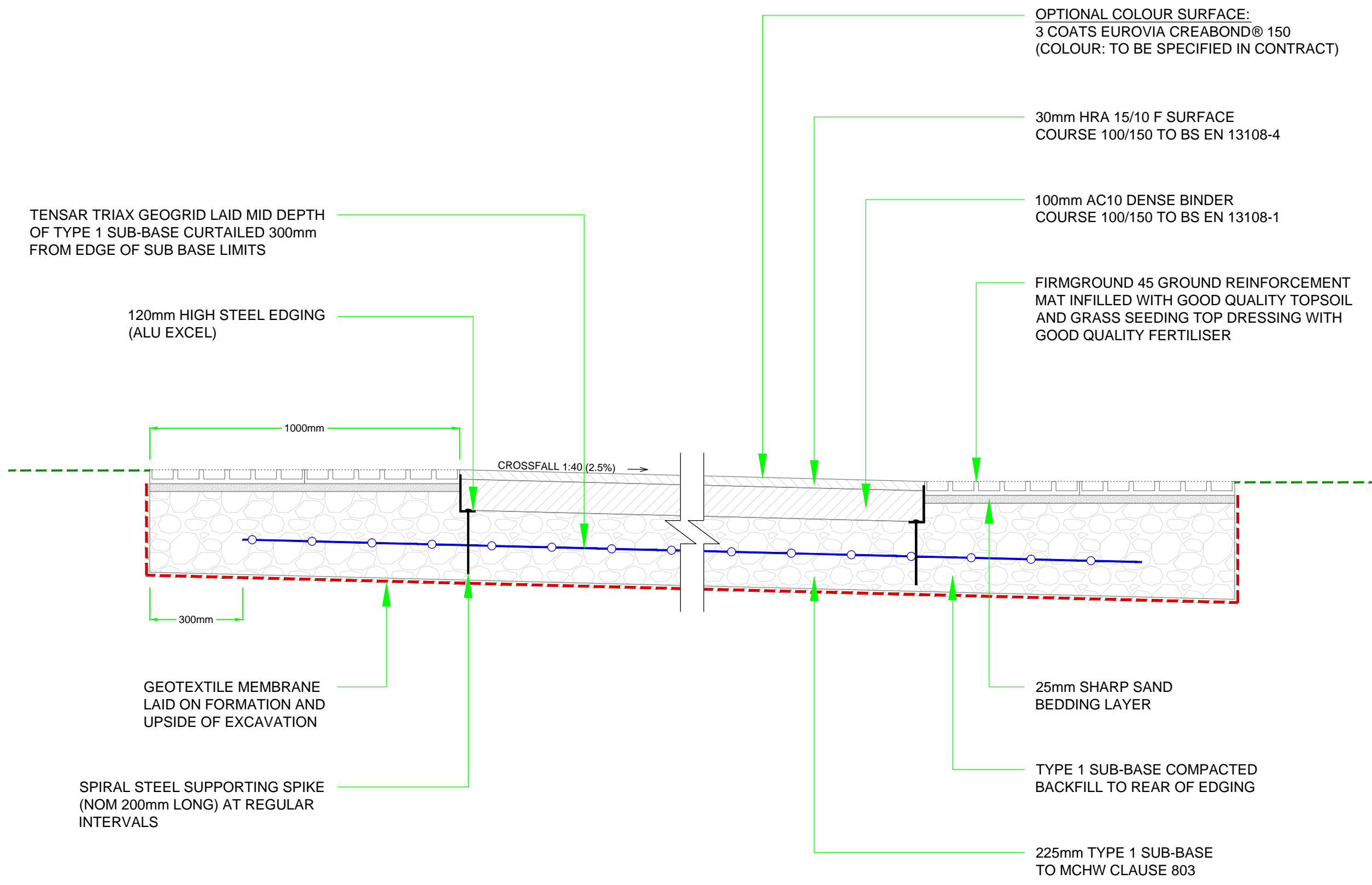
DRAWING TITLE **TACTILE PAVING & FOOTWAY CONSTRUCTION DETAILS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1100-009** REV. **-**





NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.

Rev.	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS: **APPROVED**



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SCHEME TITLE: **STANDARD DETAILS**

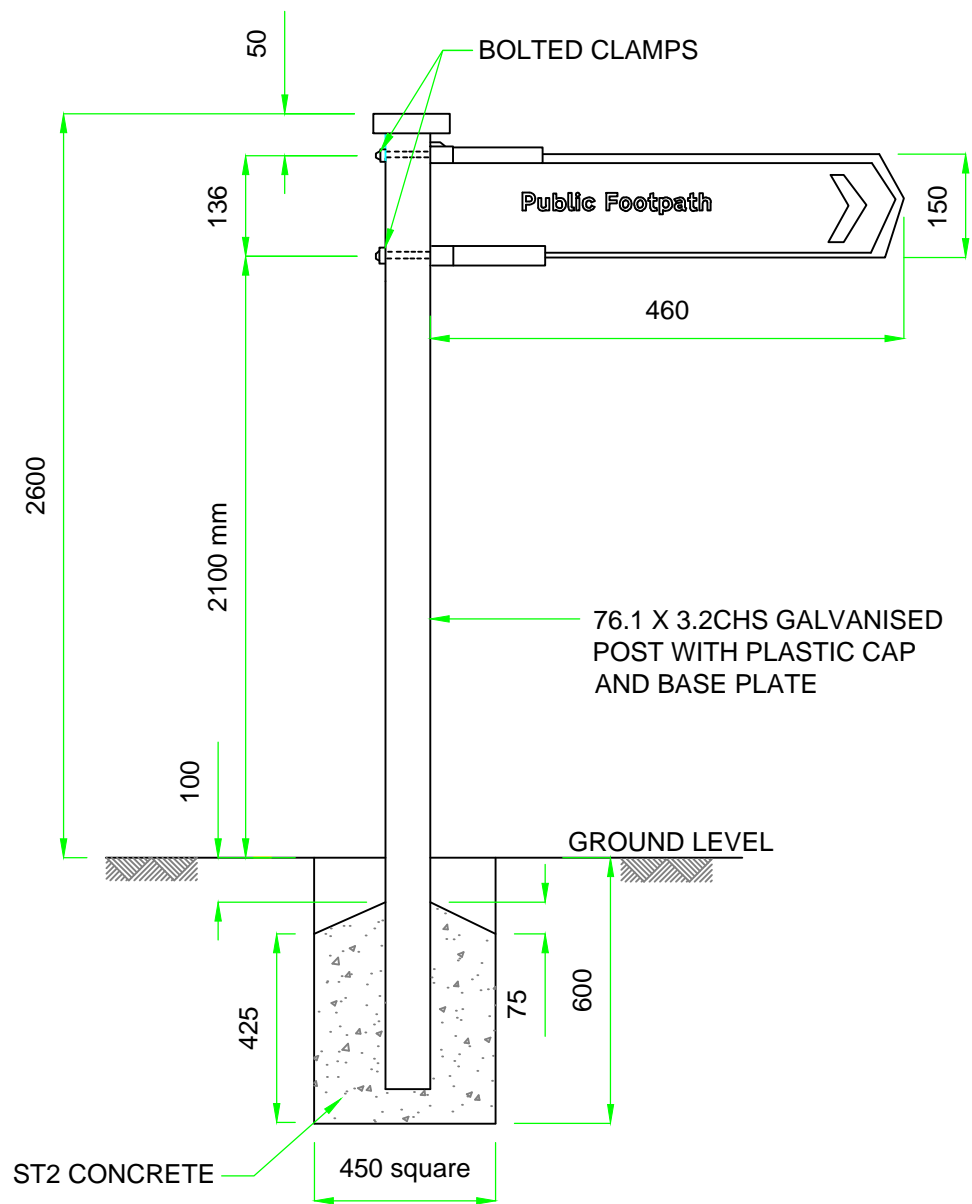
DRAWING TITLE: **CYCLE PAVING CONSTRUCTION DETAILS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1100-010** REV. **-**





- PERMITTED VARIANTS:**
- THE BORDER AND CHEVRON MAY BE OMITTED.
 - THE BACKGROUND, BORDER, SYMBOL, CHEVRON AND LEGEND MAY BE IN ANY CONTRASTING COLOURS EXCEPT RED.
 - THE WALKING FIGURE SYMBOL MAY BE OMITTED OR VARIED TO:
 - THE RIDDEN HORSE SYMBOL SHOWN IN DIAGRAM 622.6; OR
 - OTHER APPROPRIATE SYMBOL.
 - THE LEGEND "PUBLIC FOOTPATH" MAY BE OMITTED OR VARIED TO
 - "FOOTPATH";
 - "BRIDLEWAY";
 - "BYWAY"; OR
 - "RESTRICTED BYWAY".
 - THE NAME OF THE ROUTE MAY BE ADDED TO OR SUBSTITUTED FOR THE LEGEND "PUBLIC FOOTPATH".
 - AN INDICATION THAT A FOOTPATH OVER A LEVEL CROSSING IS CLOSED AND OF THE DIRECTION OF THE ALTERNATIVE ROUTE MAY BE ADDED.



DIAG 2610
DIRECTION TO OR ALONG PUBLIC FOOTPATH

35 min 70 max
'X' HEIGHT

NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. DOUBLE-SIDED ALUMINIUM SIGN. GREEN BACKGROUND WITH WHITE LETTERING, BORDERS AND CHEVRON.
4. LETTER HEIGHT TO BE STATED BY OVERSEEING ORGANISATION.
5. SIGNPLATE TO DIAGRAM 2610 OF THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS.
6. TYPE AND COLOUR OF POST TO BE AS REQUIRED BY THE OVERSEEING ORGANISATION.
7. NO WALKING FIGURE SYMBOL OR VARIANTS TO BE ADDED UNLESS OTHERWISE SPECIFIED BY OVERSEEING ORGANISATION.
8. THE SIGN WILL BE NON-RETROREFLECTING UNLESS OTHERWISE SPECIFIED BY OVERSEEING ORGANISATION.
9. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS
APPROVED



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SCHEME TITLE
STANDARD DETAIL

DRAWING TITLE
STEEL PUBLIC FOOTPATH POST

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
N.T.S

DRAWING No.
ECC-SD-1200-001

REV.
-



SIGN REF	FINGER POST SIGN PLATE

SIGN REF	FINGER POST SIGN PLATE

SIGN REF	FINGER POST SIGN PLATE

NOTE:
ALL CHEVRON SIGNS TO ARE TO BE COLOUR FILLED TO TSRGD

NOTES

- DO NOT SCALE FROM DRAWING.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
- LETTER HEIGHT TO BE STATED BY OVERSEEING ORGANISATION.
- SIGNPLATE TO DIAGRAM 2610 OF THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS.
- TYPE AND COLOUR OF POST TO BE AS REQUIRED BY THE OVERSEEING ORGANISATION.
- NO WALKING FIGURE SYMBOL OR VARIANTS TO BE ADDED UNLESS OTHERWISE SPECIFIED BY OVERSEEING ORGANISATION.
- THE SIGN WILL BE ON NON-RETROREFLECTIVE MATERIAL UNLESS OTHERWISE SPECIFIED BY OVERSEEING ORGANISATION.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS: **APPROVED**



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SCHEME TITLE: **STANDARD DETAIL**

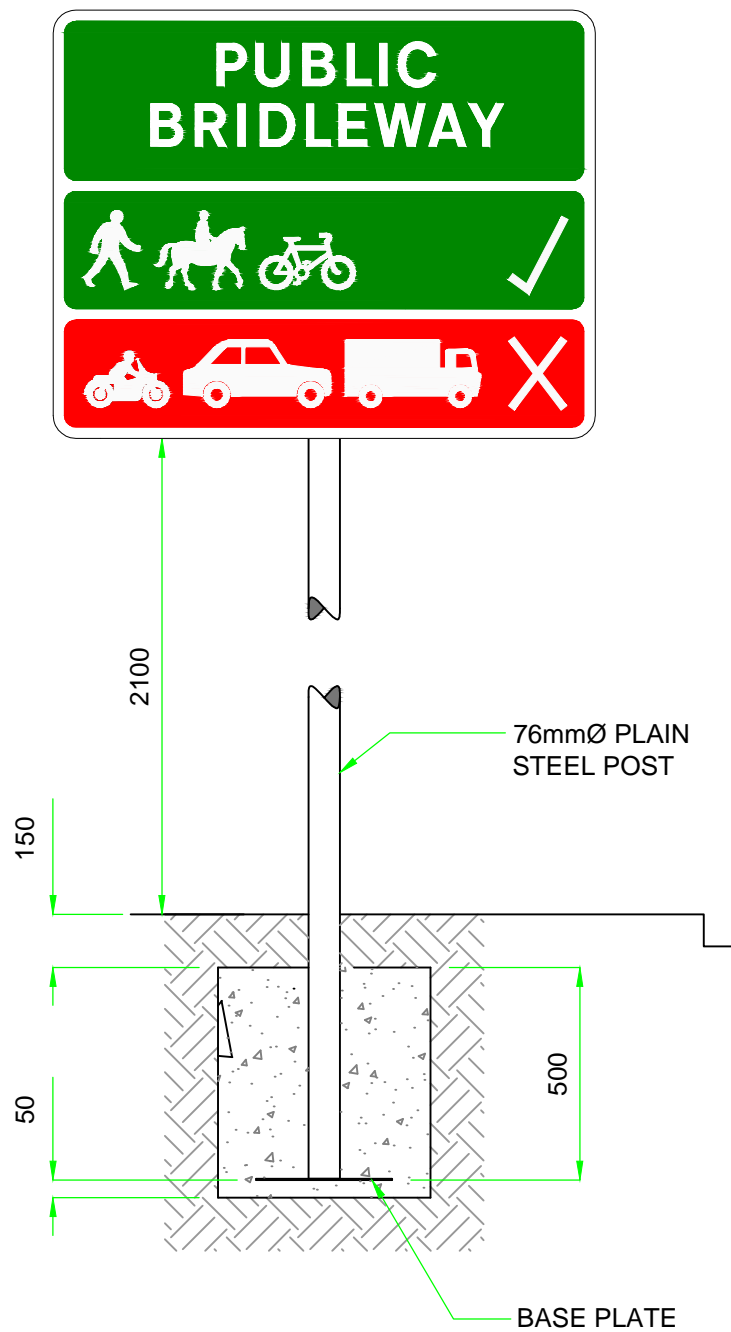
DRAWING TITLE: **FINGER POST SIGN PLATES**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

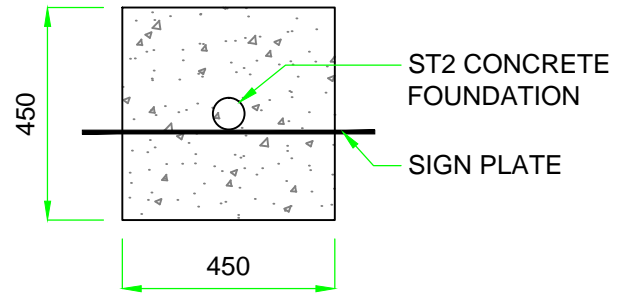
DRAWING No. **ECC-SD-1200-002** REV. **-**





FRONT EVALUATION

NOTE:
ALL SIGNS INSTALL ON A POLE SHOULD BE AT AN ANGLE TO SUIT SITE CONDITIONS AND IN ACCORDANCE WITH TSRGD



PLAN

- NOTES**
- DO NOT SCALE FROM DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
 - LETTER HEIGHT TO BE STATED BY OVERSEEING ORGANISATION.
 - NO WALKING FIGURE SYMBOL OR VARIANTS TO BE ADDED UNLESS OTHERWISE SPECIFIED BY OVERSEEING ORGANISATION.
 - THE SIGN WILL BE NON-RETROREFLECTING UNLESS OTHERWISE SPECIFIED BY OVERSEEING ORGANISATION.

Rev	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAIL**

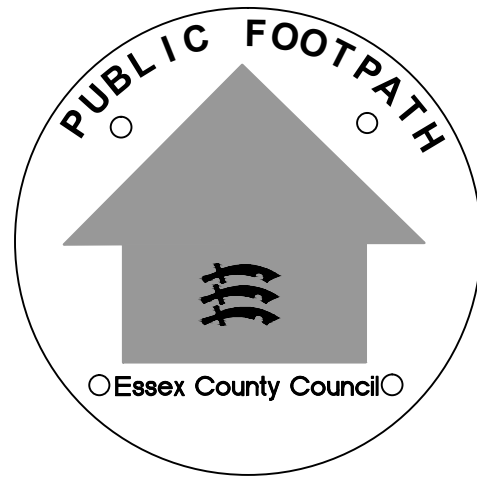
DRAWING TITLE **BRIDLEWAY SIGN & POST**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1200-003** REV. **-**





DISC COLOURS

(i)	FOOTPATH	YELLOW ARROW BS 08 E51	GREEN BACKGROUND OR OTHER AGREED CONTRASTING COLOUR BY THE OVERSEEING ORGANISATION
(ii)	BRIDLEWAY	BLUE ARROW BS 20 E51	
(iii)	BYWAY	RED ARROW BS 06 E55	
(iv)	RESTRICTED BYWAY	VICTORIA PLUM (PURPLE) ARROW BS 06 C39	

Essex County Council

**This public right of way
has been diverted by
Statutory Order**

Please follow waymarks

NOTES

1. DO NOT SCALE FROM DRAWING.
2. DIAMETER OF SIGNS TO BE 450mm WHEN ERECTED ON FOOTPATHS, MINIMUM MOUNTING HEIGHT TO BE 2.1 METRES.
3. WHEN USED AS A DISC, DISC DIAMETER TO BE 95mm x 3mm THICK.
4. DISCS TO BE SUPPLIED BY THE OVERSEEING ORGANISATION.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAIL

DRAWING TITLE
FOOTPATH SIGNS AND DISCS

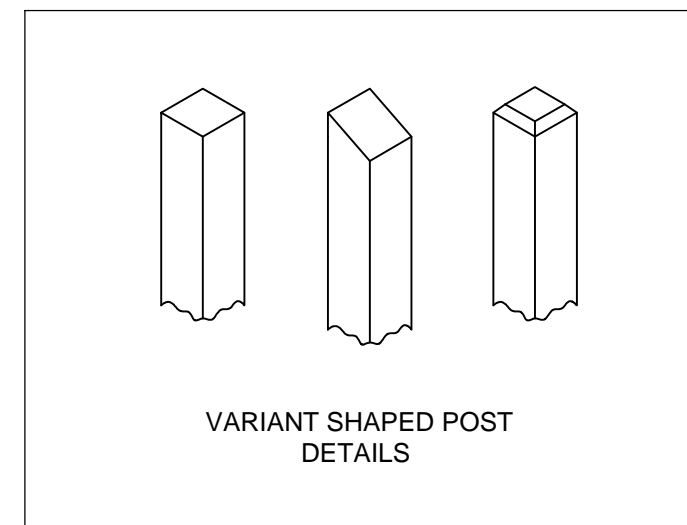
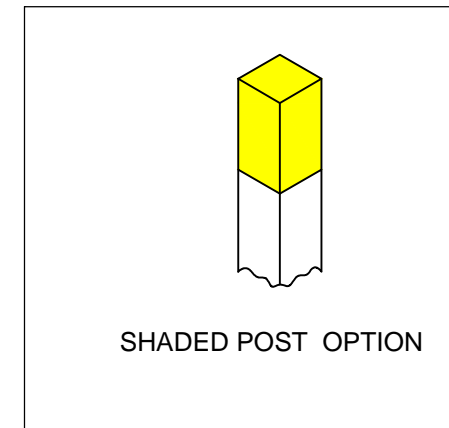
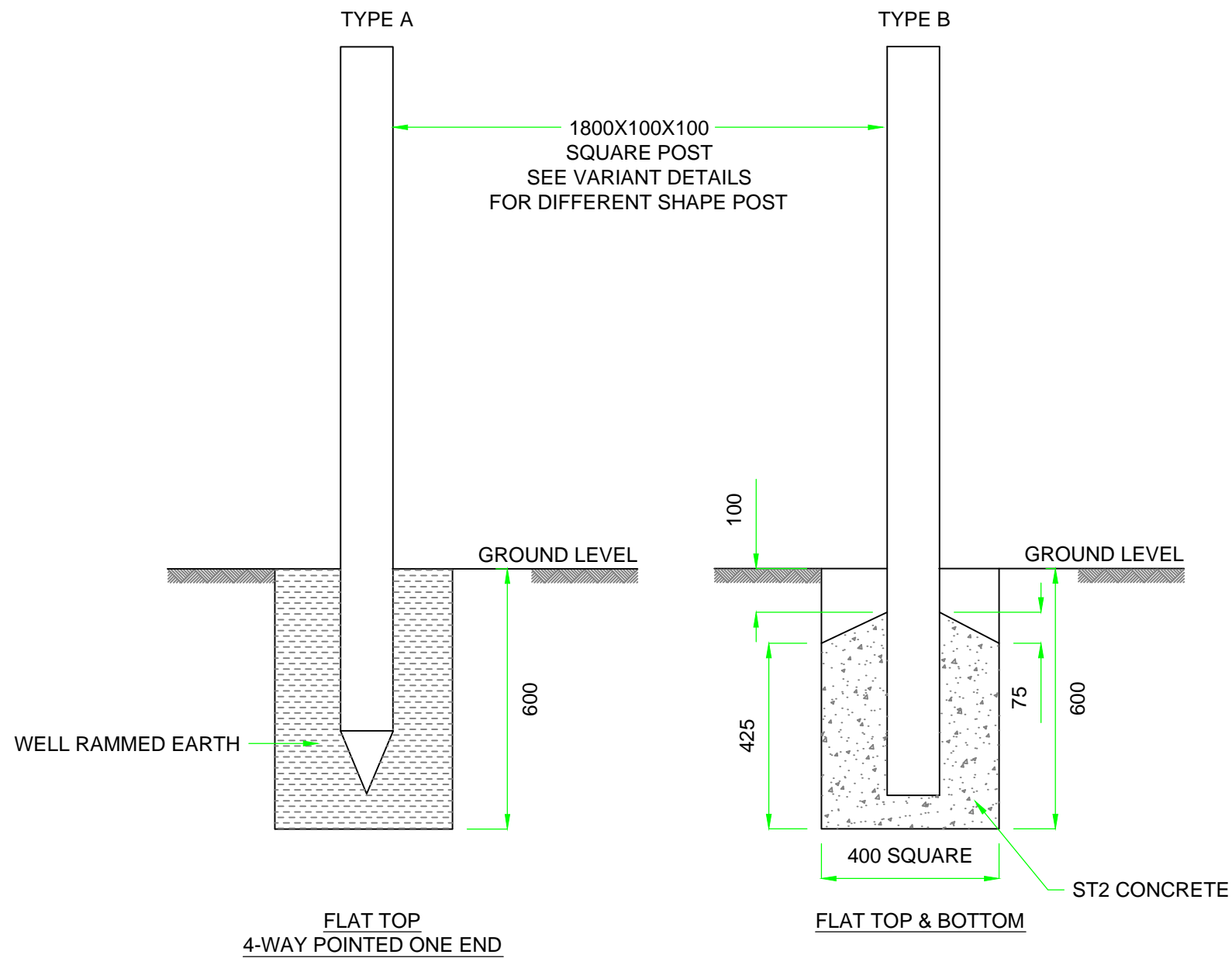
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
N.T.S

DRAWING No. **ECC-SD-1200-004** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. ALL TIMBER TO BE PRESSURE TREATED IN ACCORDANCE WITH MCHW CLAUSE 311.
4. TIMBER FOR POST SHALL BE IN ACCORDANCE WITH CLAUSES 306 AND 311 OF THE MCHW AND BS EN 351-1:1996.
5. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAIL**

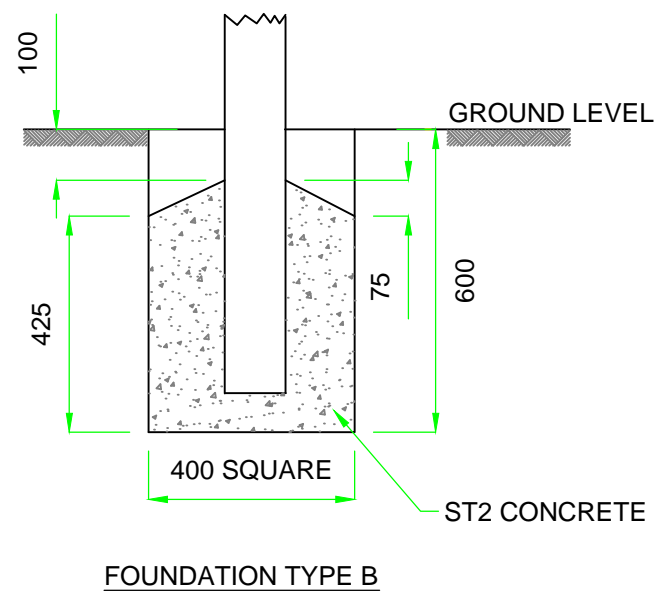
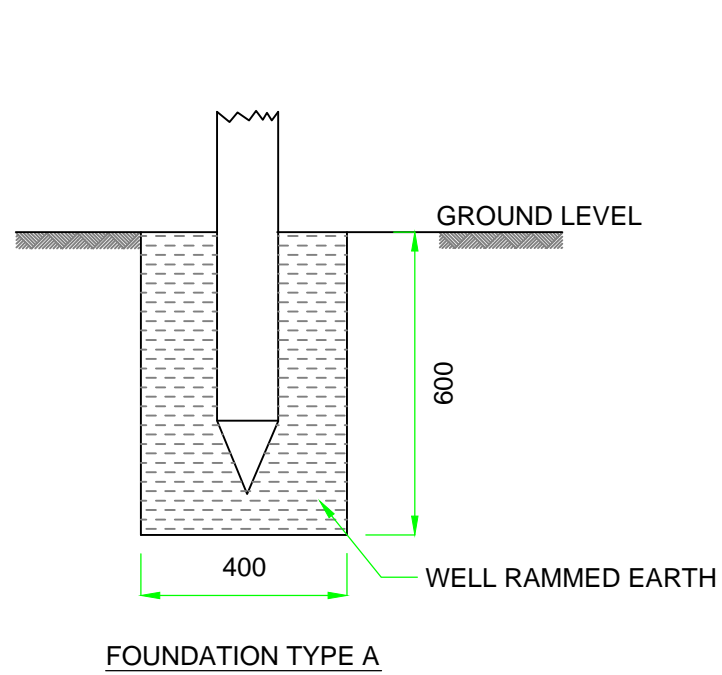
DRAWING TITLE **WAYMARK POST**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

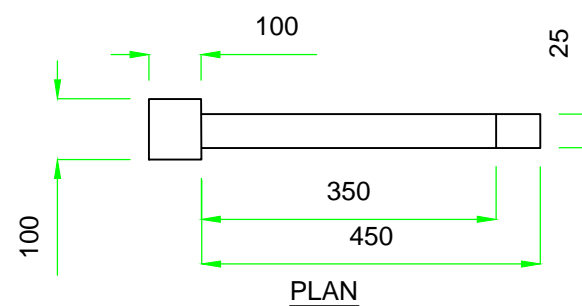
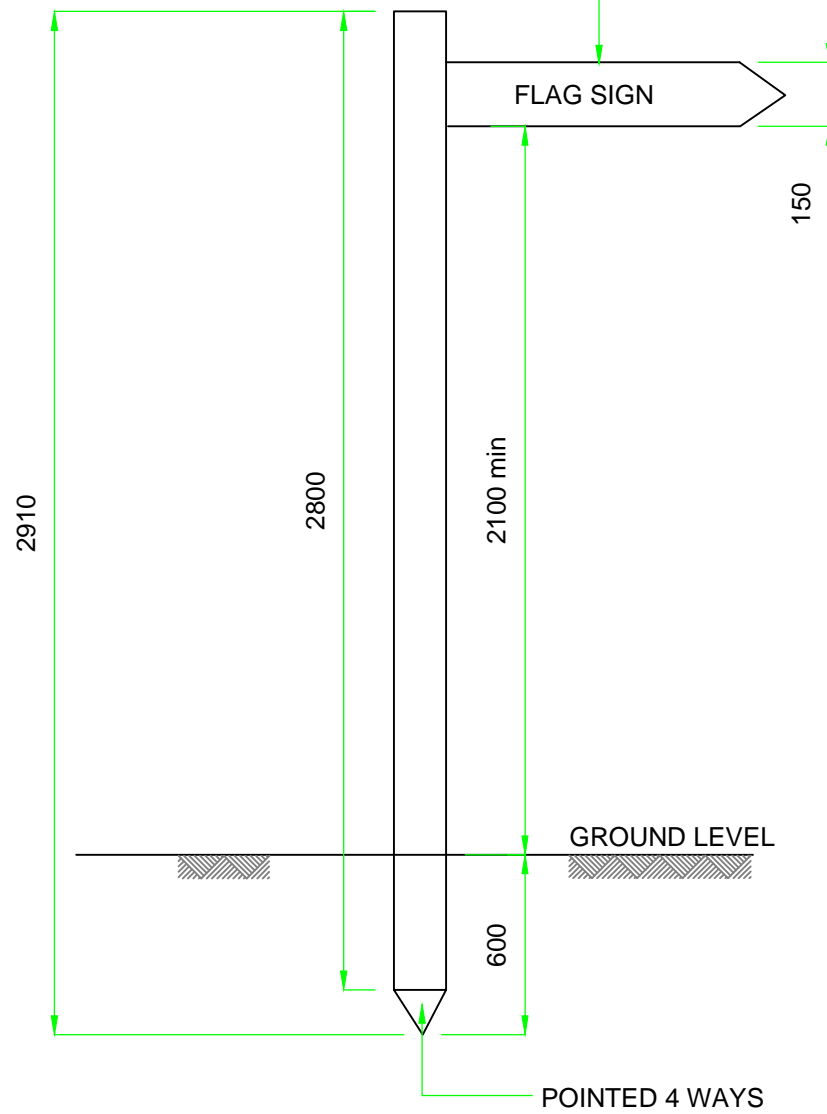
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1200-005** REV. **-**





FLAG SIGN TO BE SELECTED FROM VARIANT FLAG SIGN OPTIONS



NOTES

1. DO NOT SCALE FROM DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND DRAWINGS.
3. ALL TIMBER TO BE PRESERVATIVE TREATED.
4. SIZE AND LAYOUT TO BE AGREED WITH THE OVERSEEING ORGANISATION.
5. TIMBER FOR POST AND SIGN SHALL BE IN ACCORDANCE WITH CLAUSES 306 AND 311 OF THE MCHW AND BS EN 351-1:1996.
6. ALTERNATIVELY A PLASTIC POST MAY BE SPECIFIED BY THE OVERSEEING ORGANISATION.
7. SIGN FACE TO STATE EITHER :-
 - (i) PUBLIC FOOTPATH.
 - (ii) BRIDLEWAY.
 - (iii) BYWAY.
 - (iv) RESTRICTED BYWAY
8. SIGN TO BE FIXED TO POST WITH 2 No. 13mm DIAMETER THROUGH DOWELS.
9. LETTER HEIGHT 35MIN, 70MAX. ACTUAL HEIGHT REQUIRED TO BE STATED BY OVERSEEING ORGANISATION.
10. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAIL**

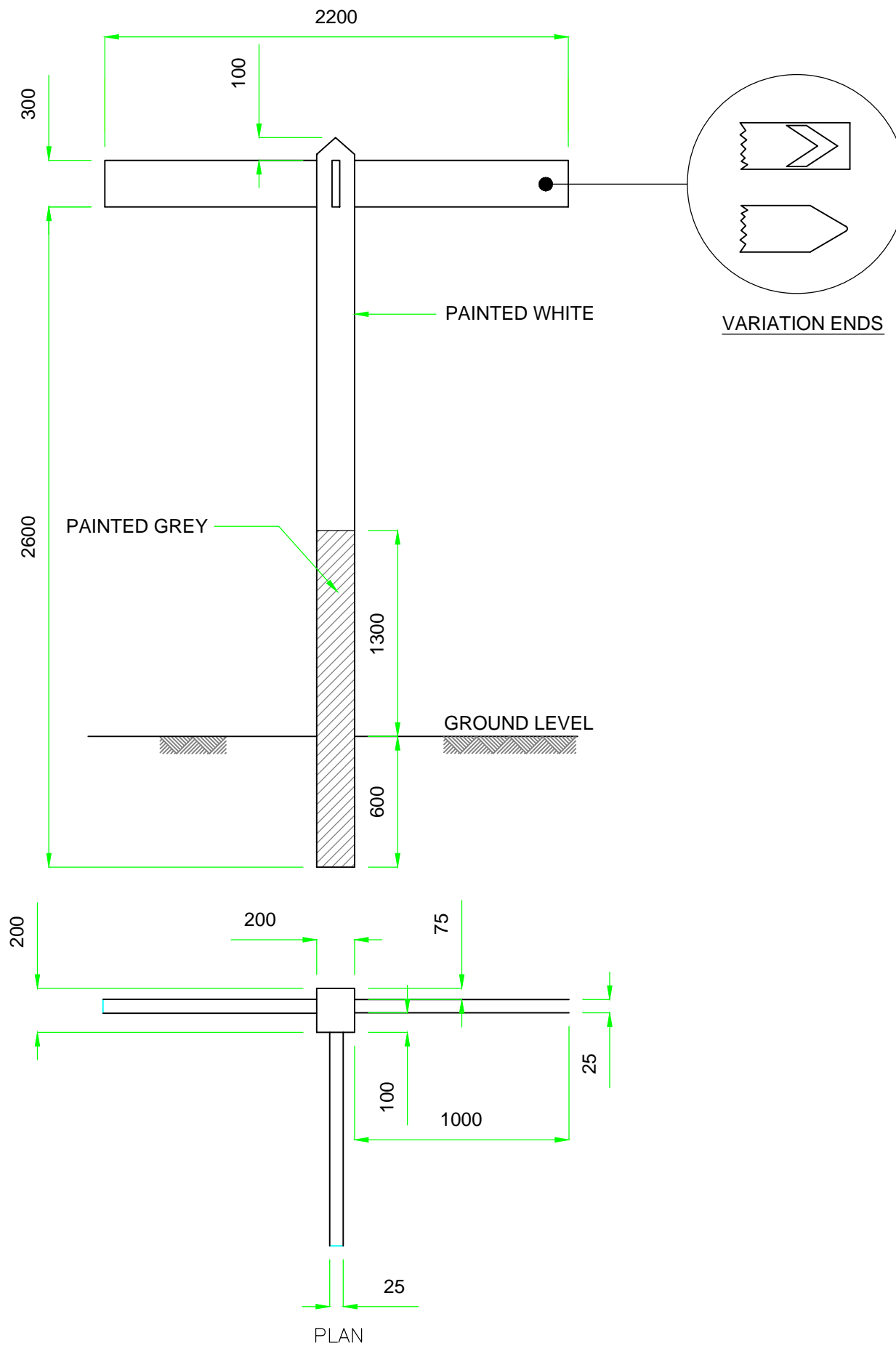
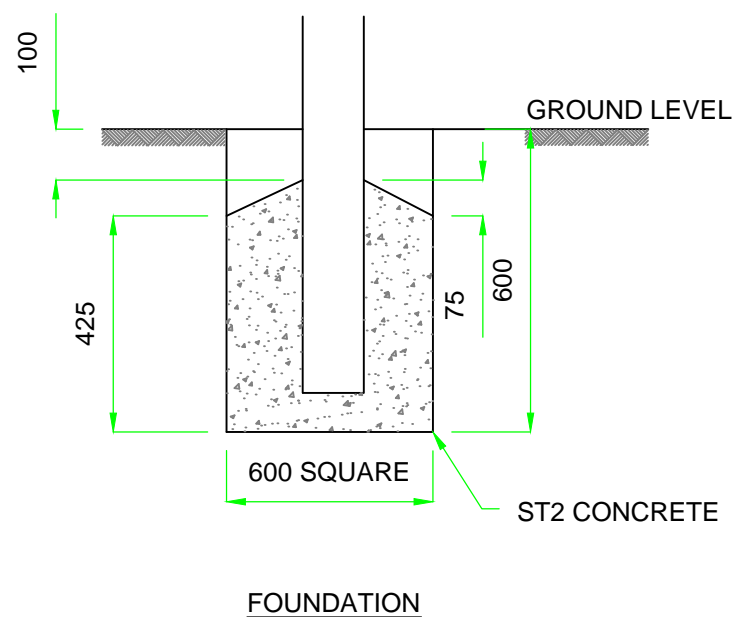
DRAWING TITLE **TIMBER PUBLIC FOOTPATH POST**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1200-006** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL TIMBER TO BE PRESERVATIVE TREATED.
3. SIZE AND LAYOUT TO BE AGREED WITH THE OVERSEEING ORGANISATION.
4. TWO FLAG SIGNS (OPPOSITES) TO BE ASSEMBLED USING ONE 2200mm x 300mm TIMBER FLAG PASSING THROUGH POST MORTIS.
5. SIGN FLAG TO BE FIXED TO POST USING A MORTIS AND TENON JOINT GLUED AND 2 No. 13mm DIAMETER THROUGH DOWELS.
6. POST AND FLAG TO BE PAINTED WITH SOLIGNUM PAINT WHEN USING METAL POST OTHER VARIANTS SHALL BE RECYCLED PLASTIC.
 - (I) UNDERCOAT
 - (II) WHITE / GREY TOP COAT
7. POST TO BE 200mm x 200mm.
8. TIMBER FOR POST AND FLAGS SHALL BE IN ACCORDANCE WITH CLAUSES 306 AND 311 OF THE MCHW AND BS EN 351-1 : 1996.
9. ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAIL**

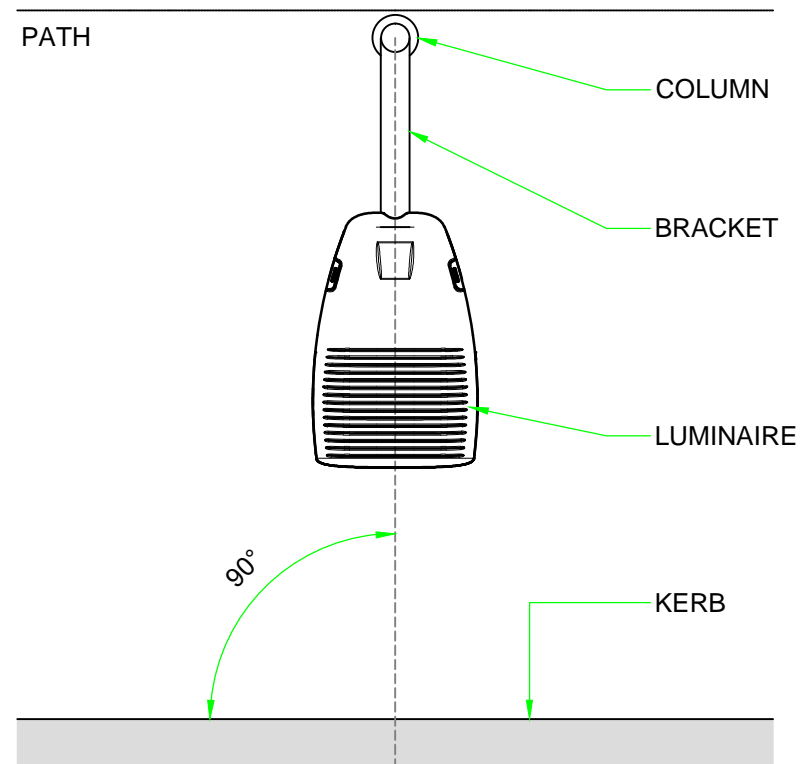
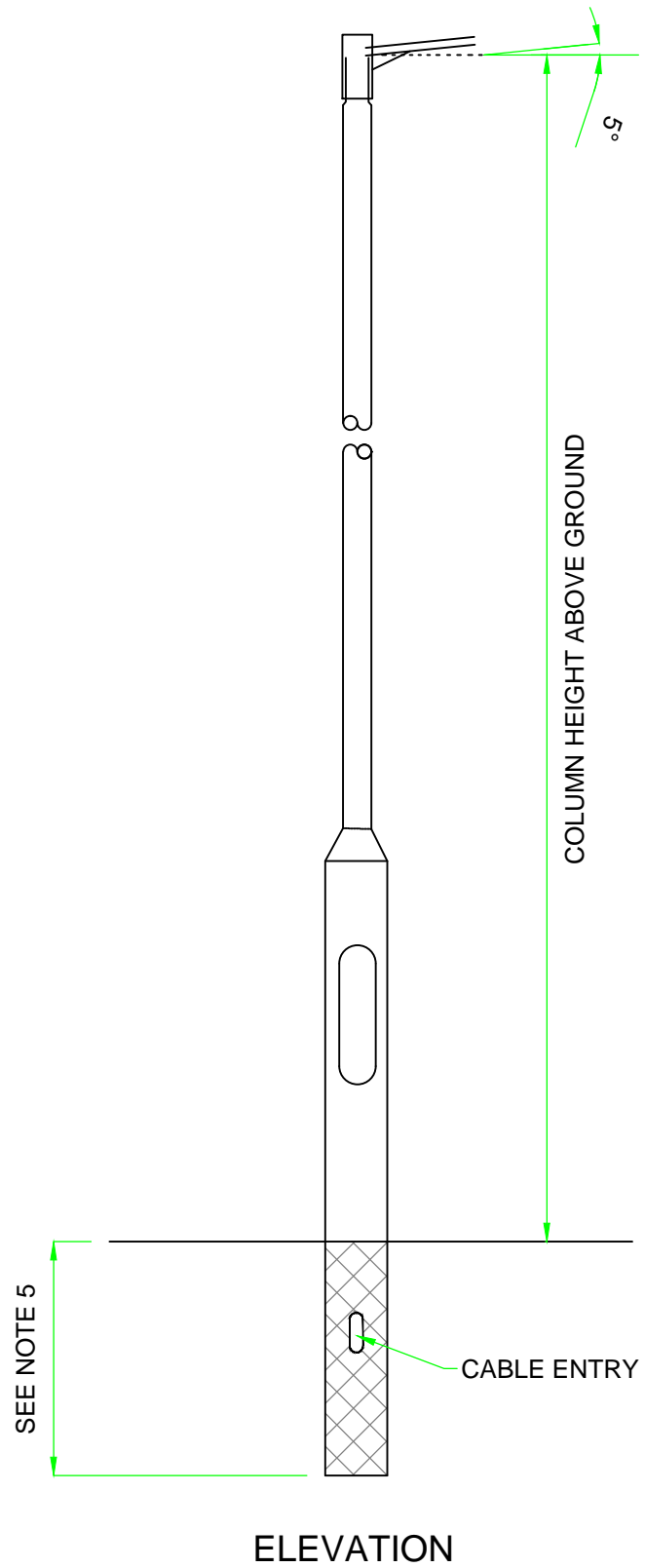
DRAWING TITLE **TIMBER PUBLIC FLAG POST
MULTIPLE FLAGS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

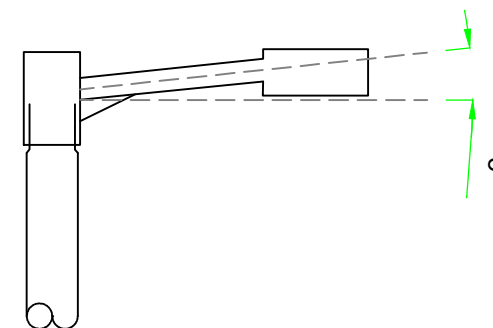
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1200-007** REV. **-**





SPIGOT ADAPTOR BRACKET



NOTES

- DO NOT SCALE FROM DRAWING.
- COLUMNS CAN BE EITHER POST TOP OR WITH BRACKET ARM. WHEN USED BRACKET ARMS SHALL BE 5 DEGREES UPLIFT.
- MANUFACTURERS LABEL MUST BE FITTED INDICATING PRODUCTION DATE AND BATCH NUMBER.
- FOUNDATIONS TO BE CONSTRUCTED TO MANUFACTURER'S DETAILS (IN ACCORDANCE WITH DM SPECIFICATION).
- FOR MORE DETAILS ON PLANTING COLUMN FOUNDATION REFER TO DRAWING ECC-SD-1300-003

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

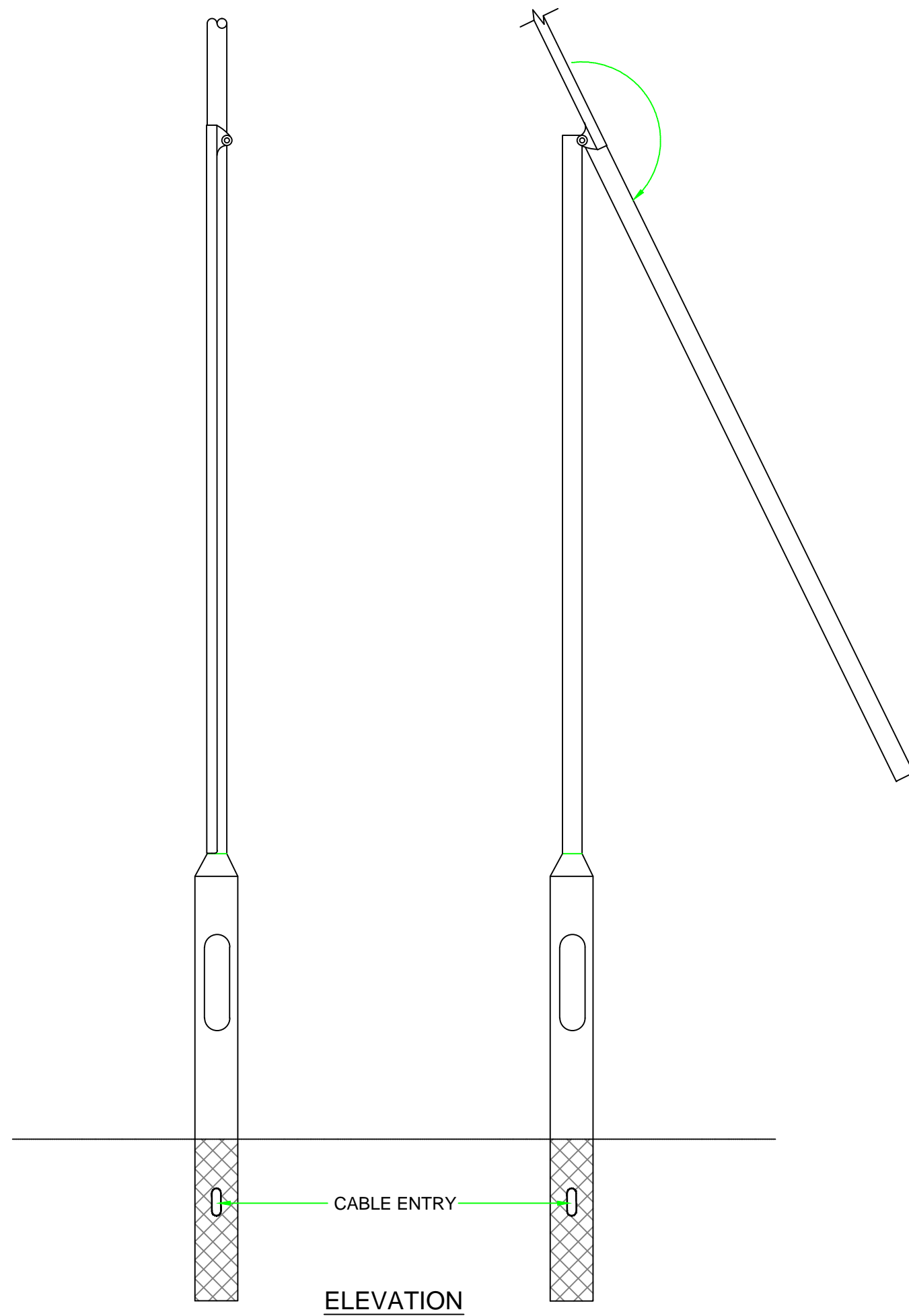
DRAWING TITLE **STANDARD COLUMN GENERAL ARRANGEMENT**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1300-001** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. COLUMNS CAN BE EITHER POST TOP OR WITH BRACKET ARM. WHEN USED BRACKET ARMS SHALL BE 5 DEGREES UPLIFT.
3. MANUFACTURERS LABEL MUST BE FITTED INDICATING PRODUCTION DATE AND BATCH NUMBER.
4. FOUNDATIONS TO BE CONSTRUCTED TO MANUFACTURER'S DETAILS (IN ACCORDANCE WITH THE DM SPECIFICATION).
5. FOR MORE DETAILS ON PLANTING COLUMN FOUNDATION REFER TO DRAWING ECC-SD-1300-003.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

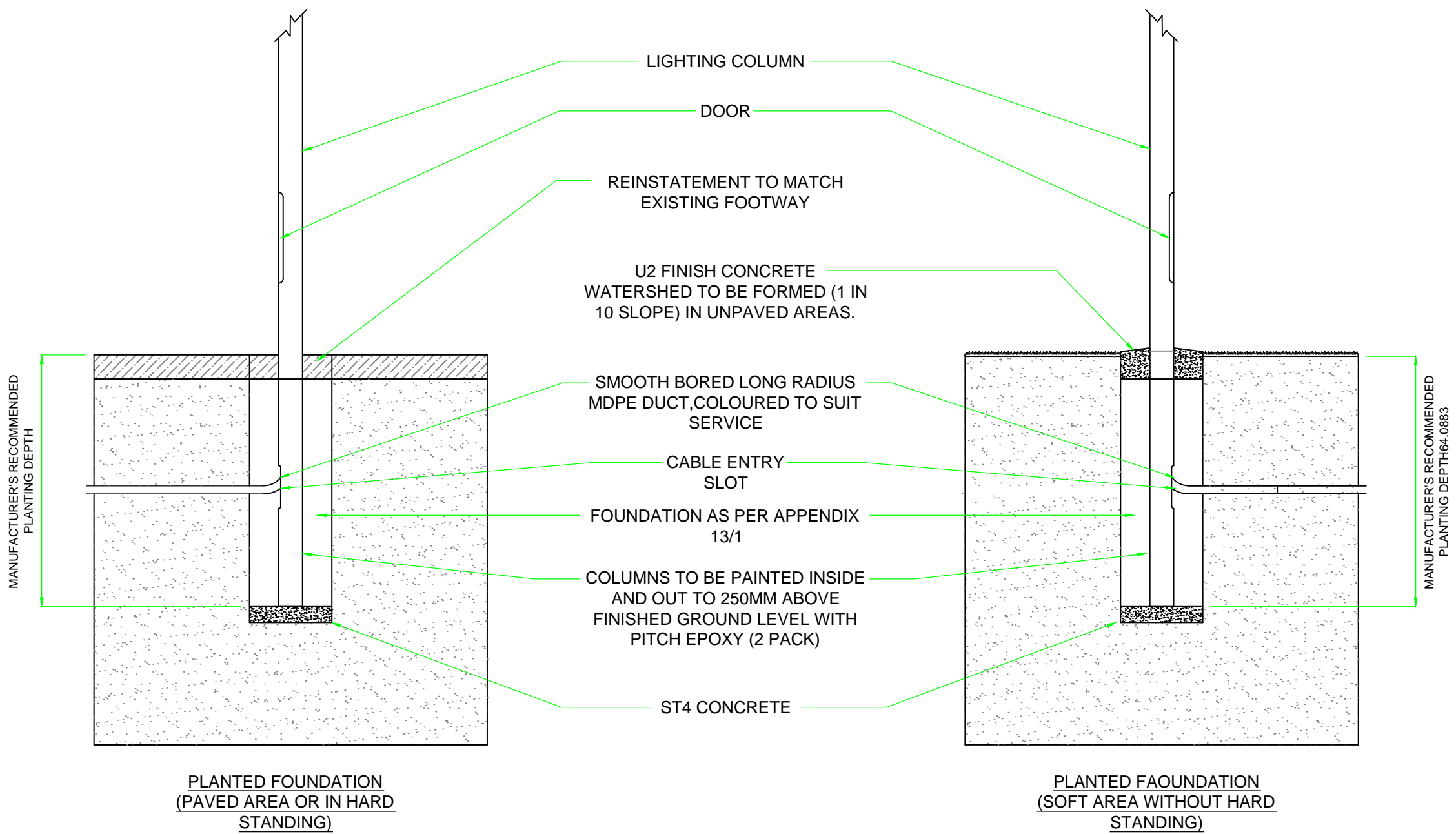
DRAWING TITLE
**MID-HINGED COLUMN
GENERAL ARRANGEMENT
DETAIL**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1300-002** REV. **-**





- NOTES**
- DO NOT SCALE FROM DRAWING.
 - MANUFACTURERS LABEL MUST BE FITTED INDICATING PRODUCTION DATE AND BATCH NUMBER.
 - FOUNDATIONS TO BE CONSTRUCTED TO MANUFACTURER'S DETAILS (IN ACCORDANCE WITH THE DM SPECIFICATION).
 - FOUNDATION WIDTH TO BE DETERMINED AS PER COLUMN MANUFACTURERS RECOMMENDATIONS FOR GROUND SOIL FACTOR IN ACCORDANCE WITH PD6547
 - ALL ST CONCRETE SHALL BE TO CLAUSE 2602 MCHW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS: **APPROVED**



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SCHEME TITLE: **STANDARD DETAILS**

DRAWING TITLE: **PLANTED COLUMN FOUNDATION**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

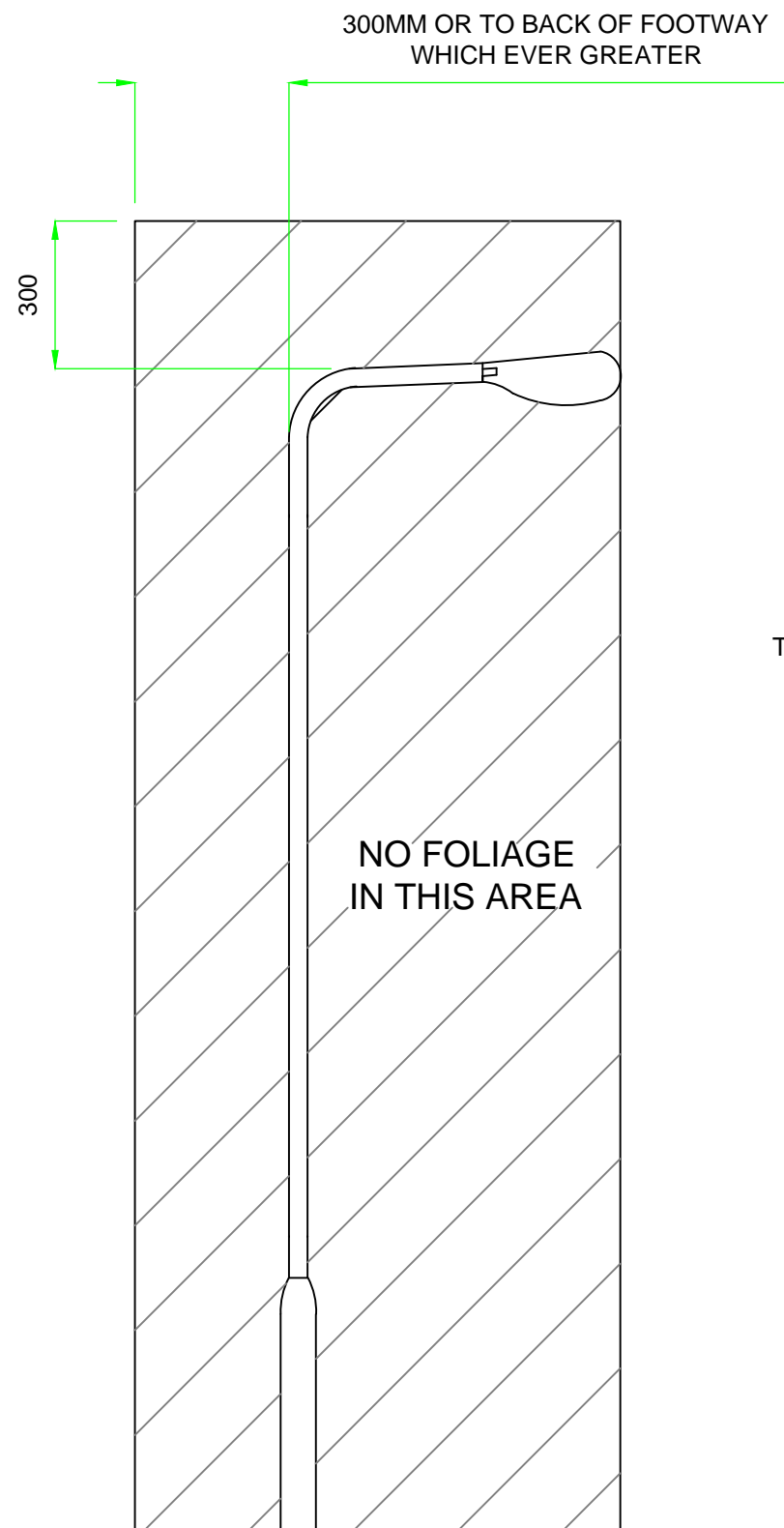
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1300-003** REV. **-**

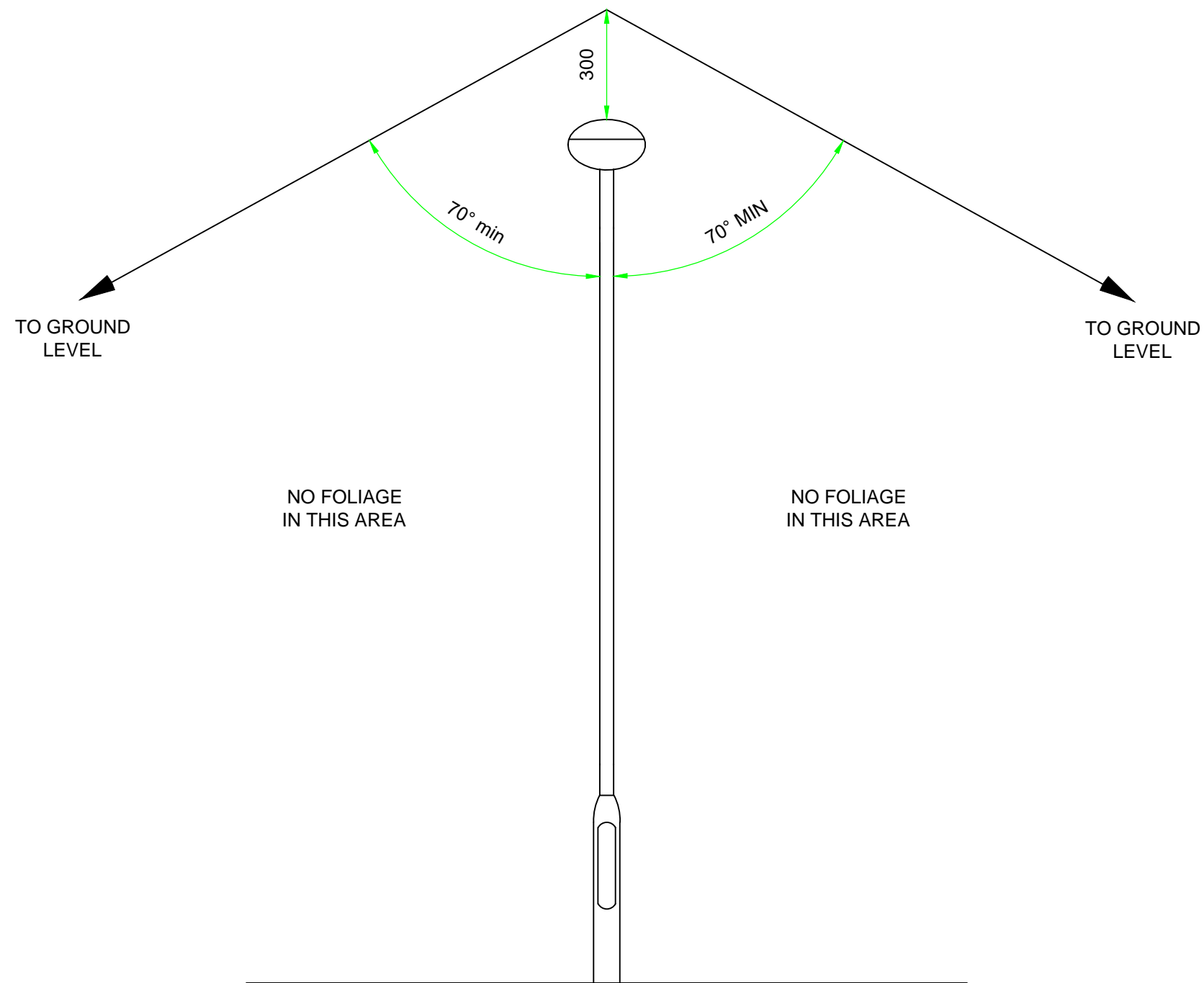


NOTES

- DO NOT SCALE FROM DRAWING.



SIDE VIEW



FRONT VIEW

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS

APPROVED



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SCHEME TITLE

STANDARD DETAILS

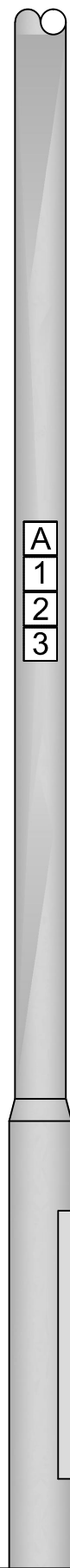
DRAWING TITLE

TREE & VEGETATION TRIMMING

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19
DRAWING UNITS U.N.O.				SCALE AT A3 (420x297mm)
DIMENSIONS IN MILLIMETRES				N.T.S
LEVELS IN METRES				

DRAWING No. **ECC-SD-1300-004** REV. -





0
1
2
3
4

EXAMPLE; COLUMN WITH DNO SUPPLY

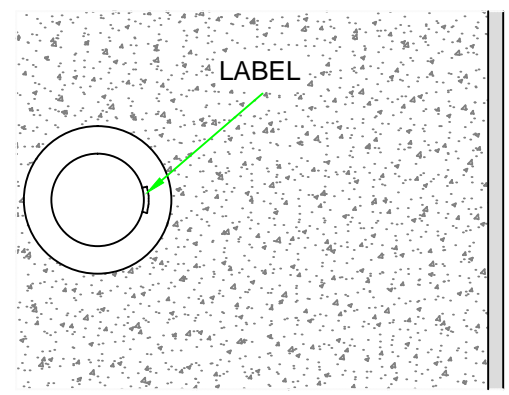
A
0
1
2
3
4

EXAMPLE; COLUMN SUPPLIED FROM PILLAR OR COLUMN 'A'

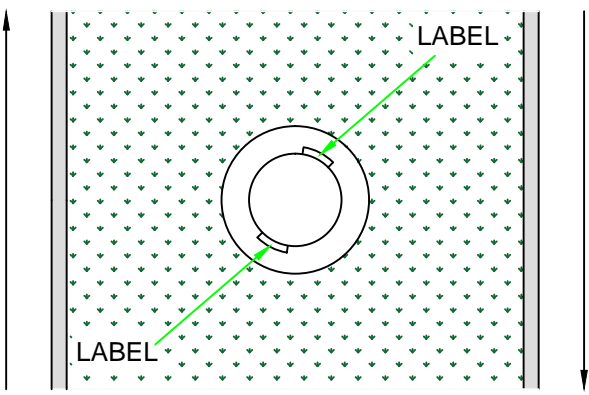
0
1
2
3
B

EXAMPLE; SUPPLY COLUMN 'B'

SINGLE ARM COLUMN (PLAN VIEW)



DOUBLE ARM COLUMN (PLAN VIEW)



NOTES

1. DO NOT SCALE FROM DRAWING.
2. COLUMN ID SHALL READ FROM TOP TO BOTTOM
3. COLUMNS WITH PRIVATE FEED FROM PILLAR OR COLUMN SHALL HAVE LABEL PREFIX INDICATING POINT OF SUPPLY E.G. 'A123'
4. FEEDER COLUMNS SHALL HAVE SUFFIX LETTER E.G. '123A'
5. COLUMN NUMBERING PLAN TO BE PROVIDED BY THE LOCAL HIGHWAY AUTHORITY

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **COLUMN MAINTENANCE NUMBER LOCATION & ORIENTATION**

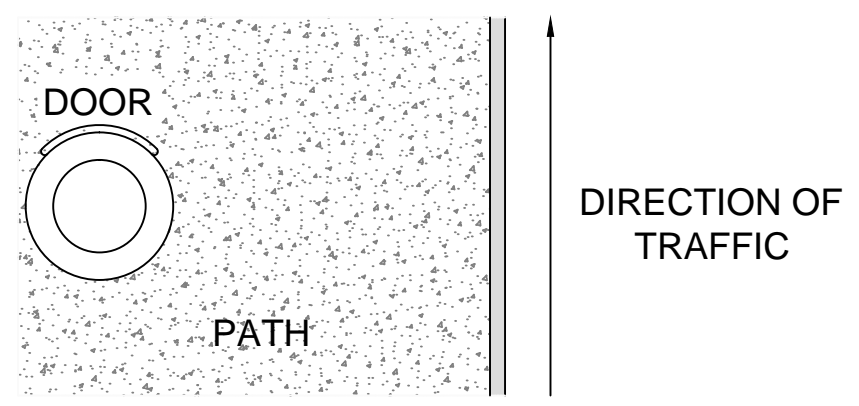
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

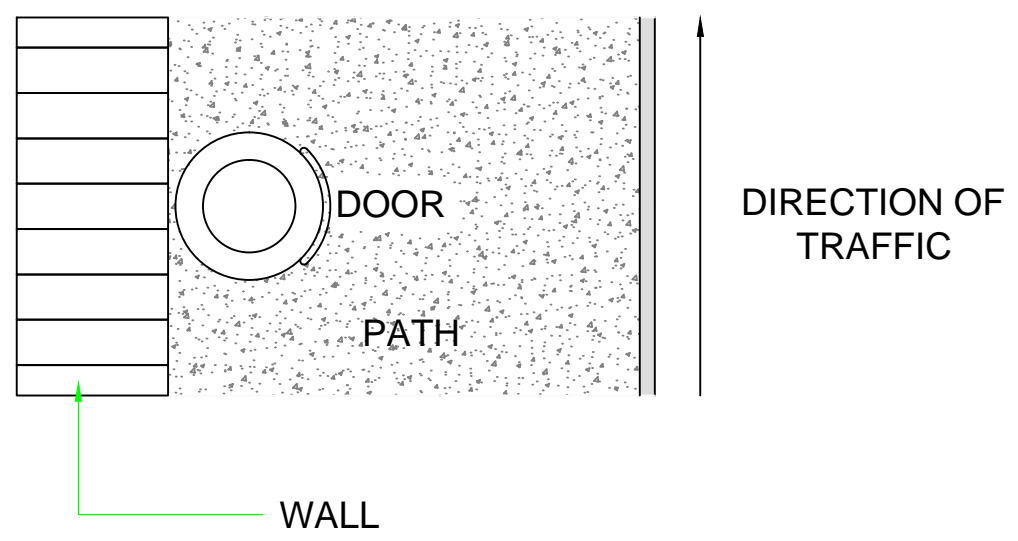
DRAWING No. **ECC-SD-1300-005** REV. **-**



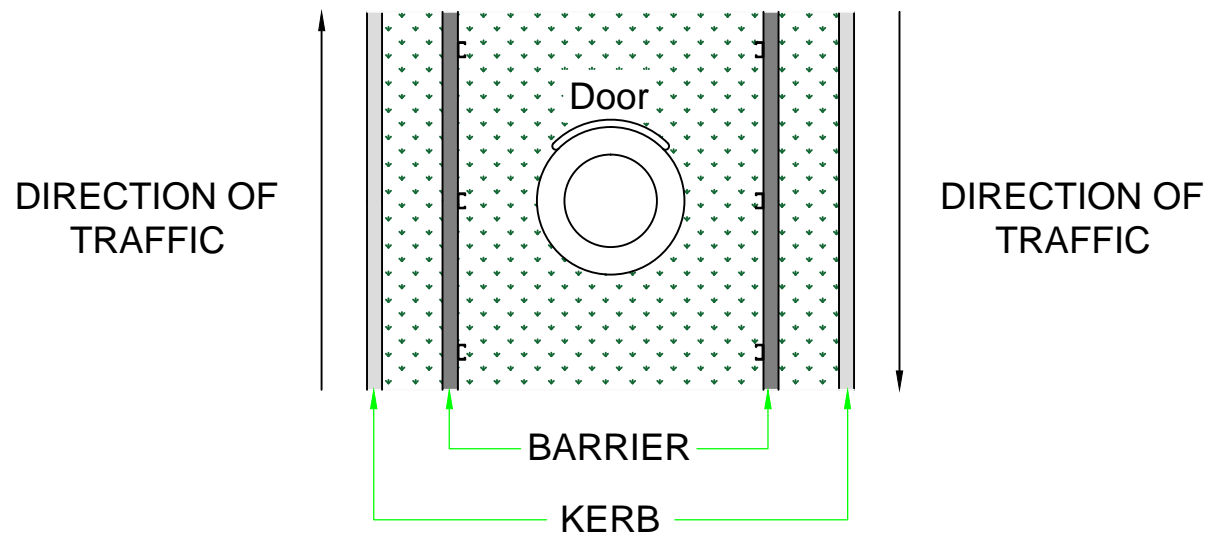
1. DEFAULT ORIENTATION



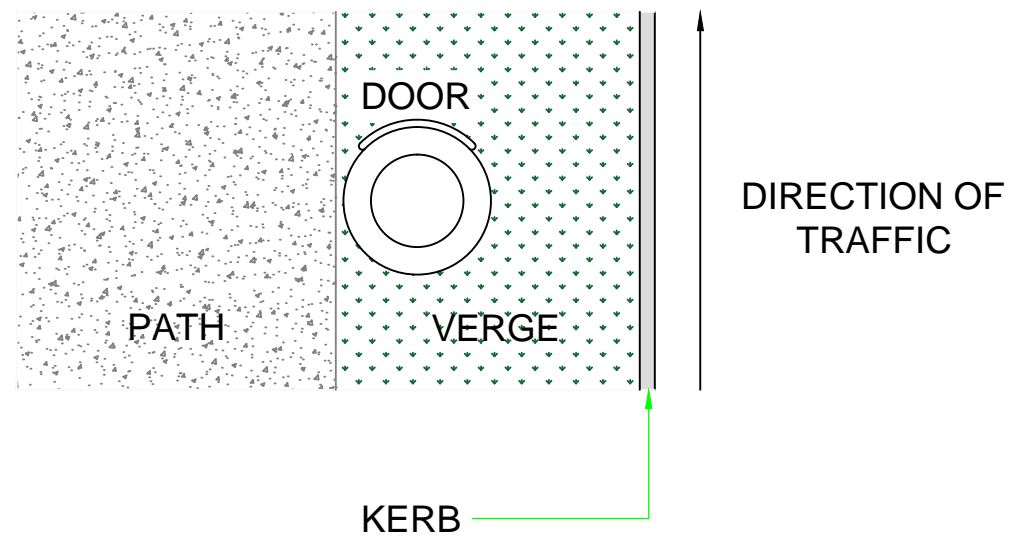
2. ADJACENT TO OBSTRUCTION



3. DUAL CARRIAGEWAY



4. ALTERNATIVE LOCATION



NOTES
1. DO NOT SCALE FROM DRAWING.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS
APPROVED



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SCHEME TITLE
STANDARD DETAILS

DRAWING TITLE
COLUMN DOOR ORIENTATION

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

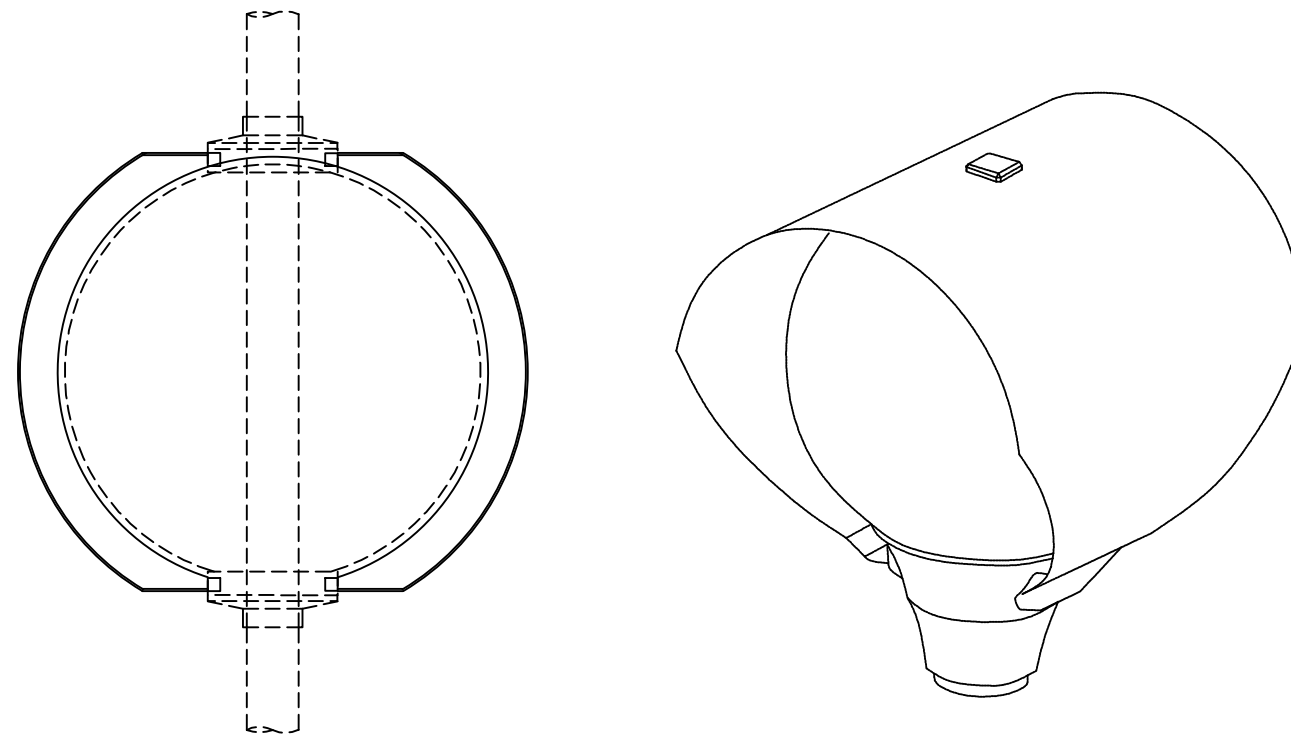
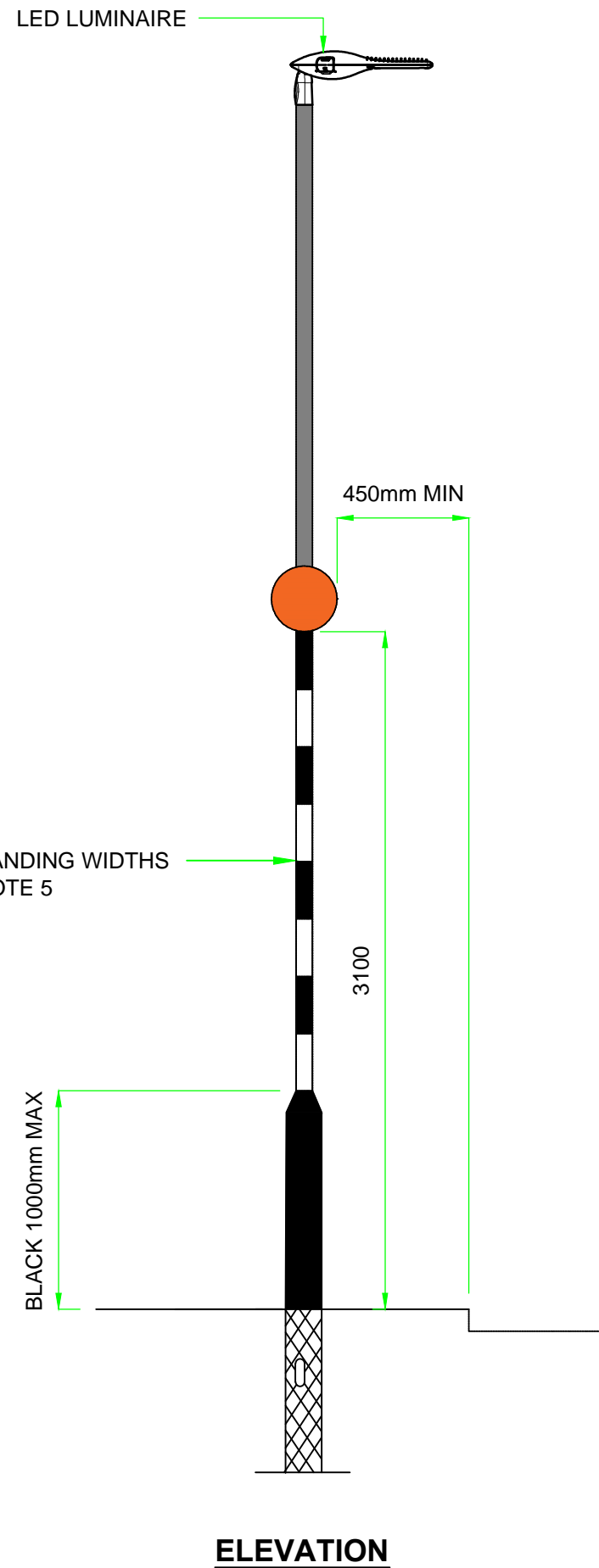
DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
N.T.S

DRAWING No.
ECC-SD-1300-006

REV.
-





SINGLE OR DOUBLE SHIELD (IF REQUIRED). SIMMONSIGNS MODU/BEL/76/SHROUD OR SIMILAR

NOTES

1. DO NOT SCALE FROM DRAWING.
2. THE COLUMN SHALL COMPLY WITH THE 1300 SERIES MCHW.
3. THE BEACON AND MARKINGS AND GLOBES SHALL COMPLY WITH TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016 STATUTORY INSTRUMENTS 2016 NO 362
4. THE YELLOW GLOBE SHALL HAVE A DIAMETER NOT LESS THAN 275MM OR MORE THAN 335MM.
5. OTHER THAN THE BOTTOM BLACK BAND THE BLACK AND WHITE BANDS SHALL BE NOT LESS THAN 275MM OR MORE THAN 300MM HIGH AND ALL OF EQUAL HEIGHT.
6. THE YELLOW GLOBE SHALL SIMMONSIGNS MIDUBEL OR SIMILAR APPROVED.
7. THE GLOBE SHALL BE FITTED WITH A SINGLE OR DOUBLE SHIELD, WHERE REQUIRED.
8. LANTERN AND CONTROL WILL BE SPECIFIED IN THE WORKS PACKAGE DRAWING.
9. THE WHITE BANDS SHALL BE REFLECTORISED R3B MATERIAL OR PAINTED USING REFLECTIVE PAINT.
10. THE COLUMN SHALL APPLY WITH APPENDIX 13.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

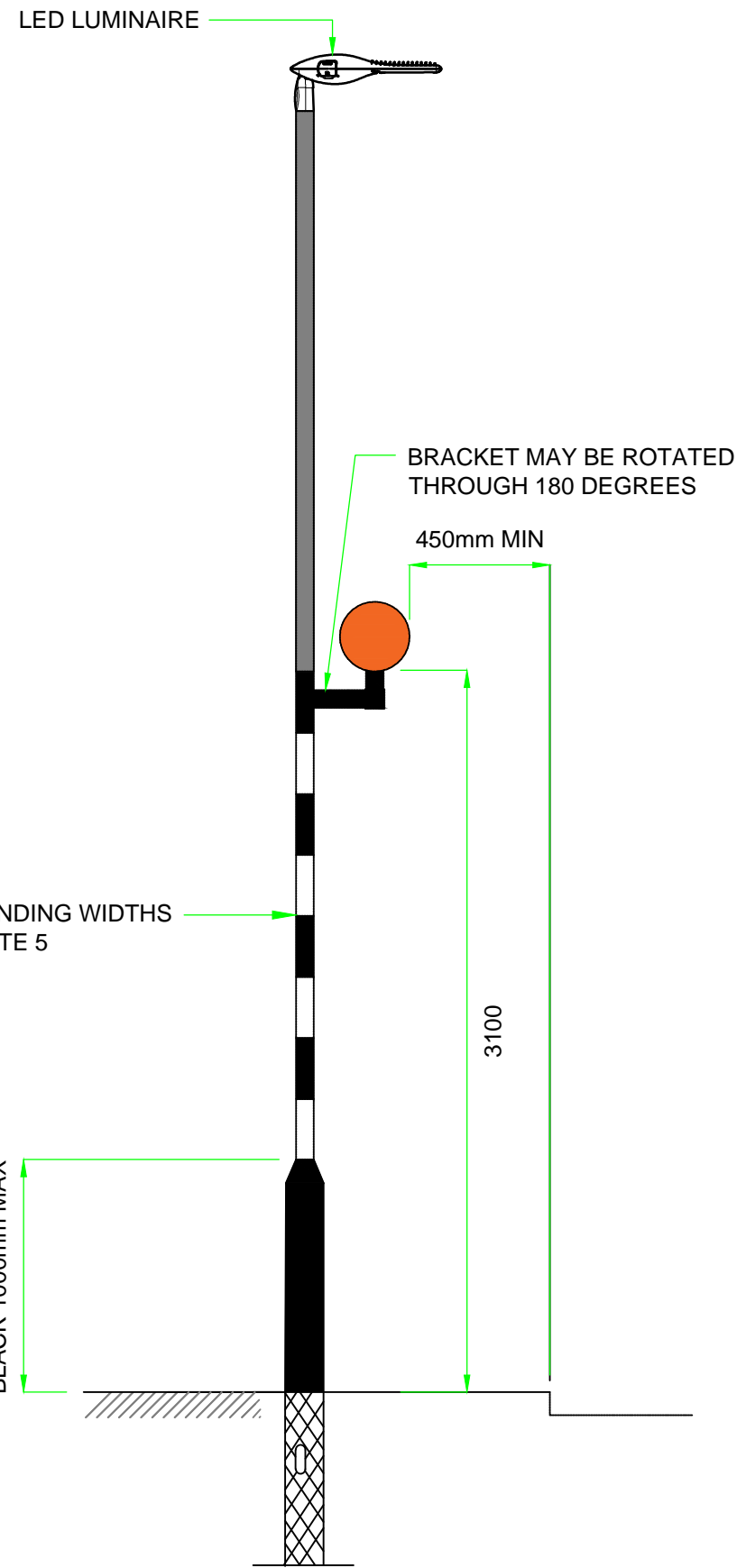
DRAWING TITLE **ZEBRA CROSSING
MID-POST BEACON**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1300-007** REV. **-**





FOR BANDING WIDTHS
SEE NOTE 5

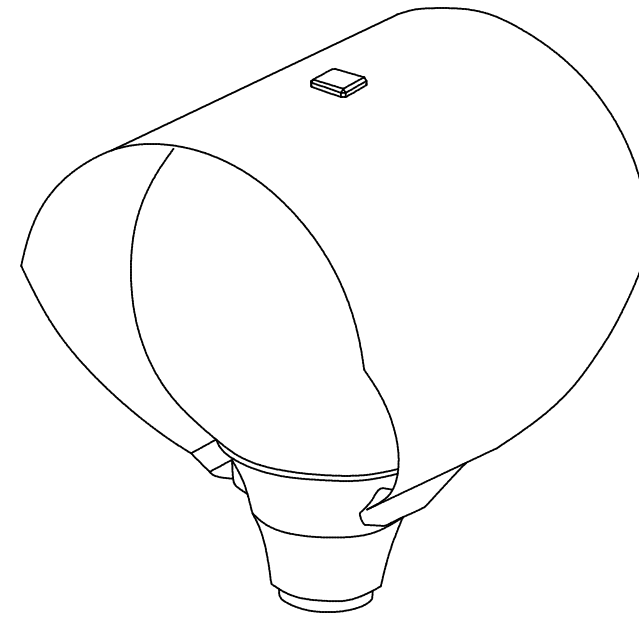
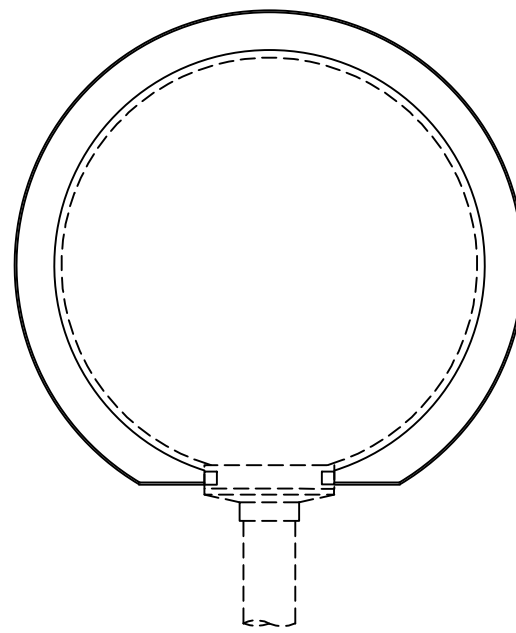
BLACK 1000mm MAX

BRACKET MAY BE ROTATED
THROUGH 180 DEGREES

450mm MIN

3100

ELEVATION



SINGLE OR DOUBLE SHIELD (IF REQUIRED).
SIMMONSIGNS MODU/BEL/76/SHROUD OR SIMILAR

NOTES

- DO NOT SCALE FROM DRAWING.
- THE COLUMN SHALL COMPLY WITH THE 1300 SERIES MCHW.
- THE BEACON AND MARKINGS AND GLOBES SHALL COMPLY WITH TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016 STATUTORY INSTRUMENTS 2016 NO 362
- THE YELLOW GLOBE SHALL HAVE A DIAMETER NOT LESS THAN 275MM OR MORE THAN 335MM.
- OTHER THAN THE BOTTOM BLACK BAND THE BLACK AND WHITE BANDS SHALL BE NOT LESS THAN 275MM OR MORE THAN 300MM HIGH AND ALL OF EQUAL HEIGHT.
- THE YELLOW GLOBE SHALL SIMMONSIGNS MODUBEL OR SIMILAR APPROVED.
- THE GLOBE SHALL BE FITTED WITH A SINGLE OR DOUBLE SHIELD, WHERE REQUIRED.
- LANTERN AND CONTROL WILL BE SPECIFIED IN THE WORKS PACKAGE DRAWING.
- THE WHITE BANDS SHALL BE REFLECTORISED R3B MATERIAL OR PAINTED USING REFLECTIVE PAINT.
- THE COLUMN SHALL APPLY WITH APPENDIX 13.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

DRAWING TITLE
**ZEBRA CROSSING
BRACKET MOUNTED BEACON**

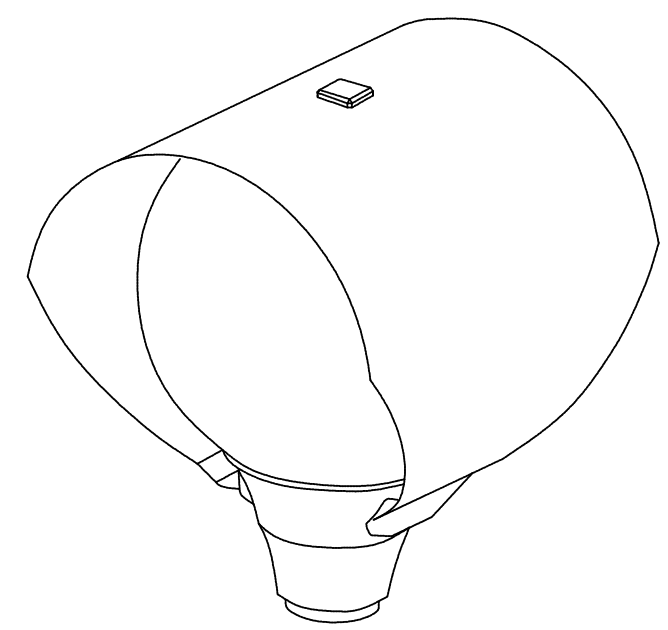
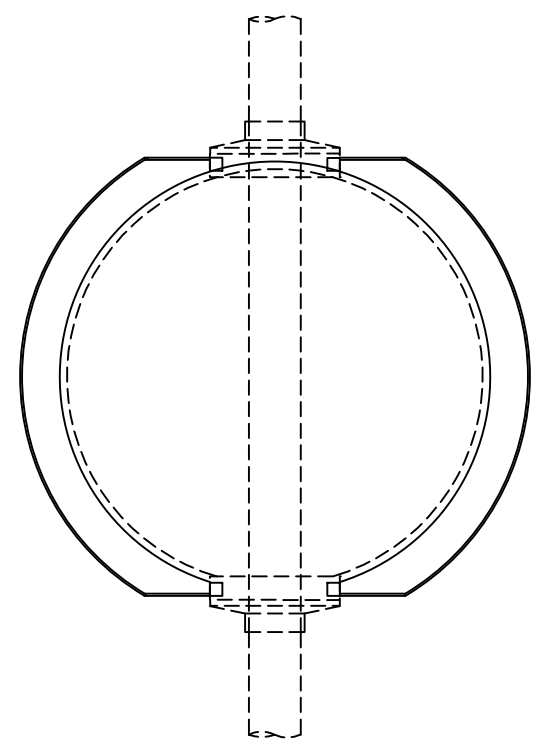
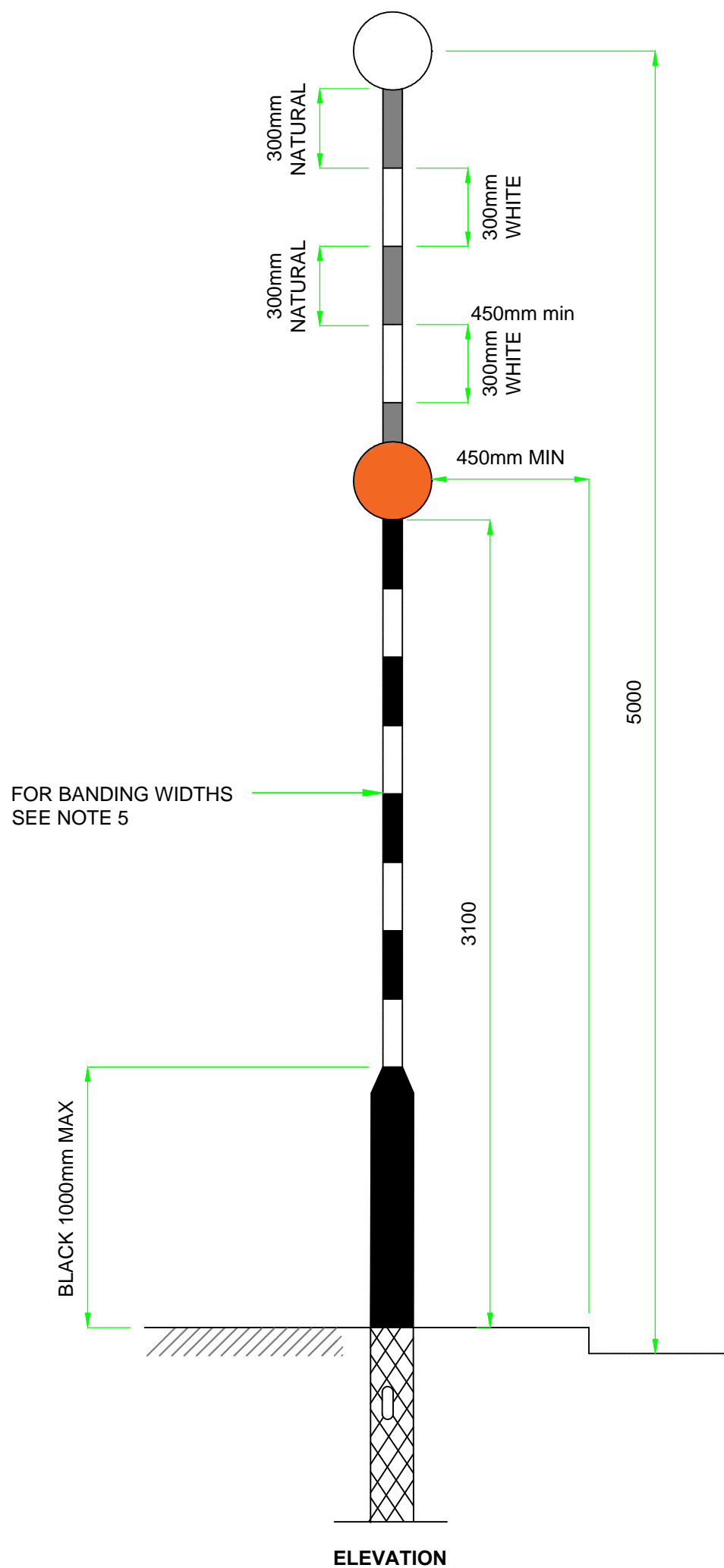
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
N.T.S

DRAWING No. **ECC-SD-1300-008** REV. **-**





SINGLE OR DOUBLE SHIELD (IF REQUIRED).
SIMMONSIGNS MODU/BEL/76/SHROUD OR SIMILAR

NOTES

- DO NOT SCALE FROM DRAWING.
- THE COLUMN SHALL COMPLY WITH THE 1300 SERIES MCHW.
- THE BEACON AND MARKINGS AND GLOBES SHALL COMPLY WITH TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016 STATUTORY INSTRUMENTS 2016 NO 362
- THE YELLOW GLOBE SHALL HAVE A DIAMETER NOT LESS THAN 275mm OR MORE THAN 335mm.
- OTHER THAN THE BOTTOM BLACK BAND THE BLACK AND WHITE BANDS SHALL BE NOT LESS THAN 275mm OR MORE THAN 300MM HIGH AND ALL OF EQUAL HEIGHT.
- THE YELLOW GLOBE SHALL SIMMONSIGNS MIDUBEL OR SIMILAR APPROVED.
- THE GLOBE SHALL BE FITTED WITH A SINGLE OR DOUBLE SHIELD, WHERE REQUIRED.
- LANTERN AND CONTROL WILL BE SPECIFIED IN THE WORKS PACKAGE DRAWING.
- THE WHITE BANDS SHALL BE REFLECTORISED R3B MATERIAL OR PAINTED USING REFLECTIVE PAINT.
- THE COLUMN SHALL APPLY WITH APPENDIX 13.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

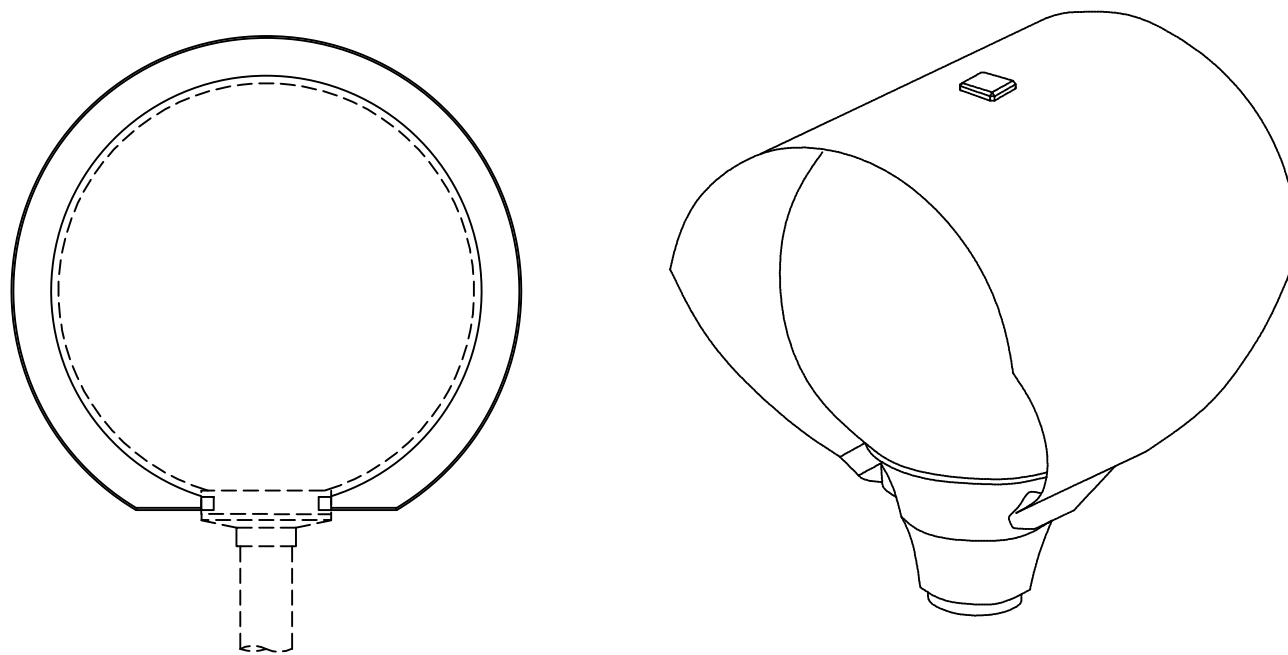
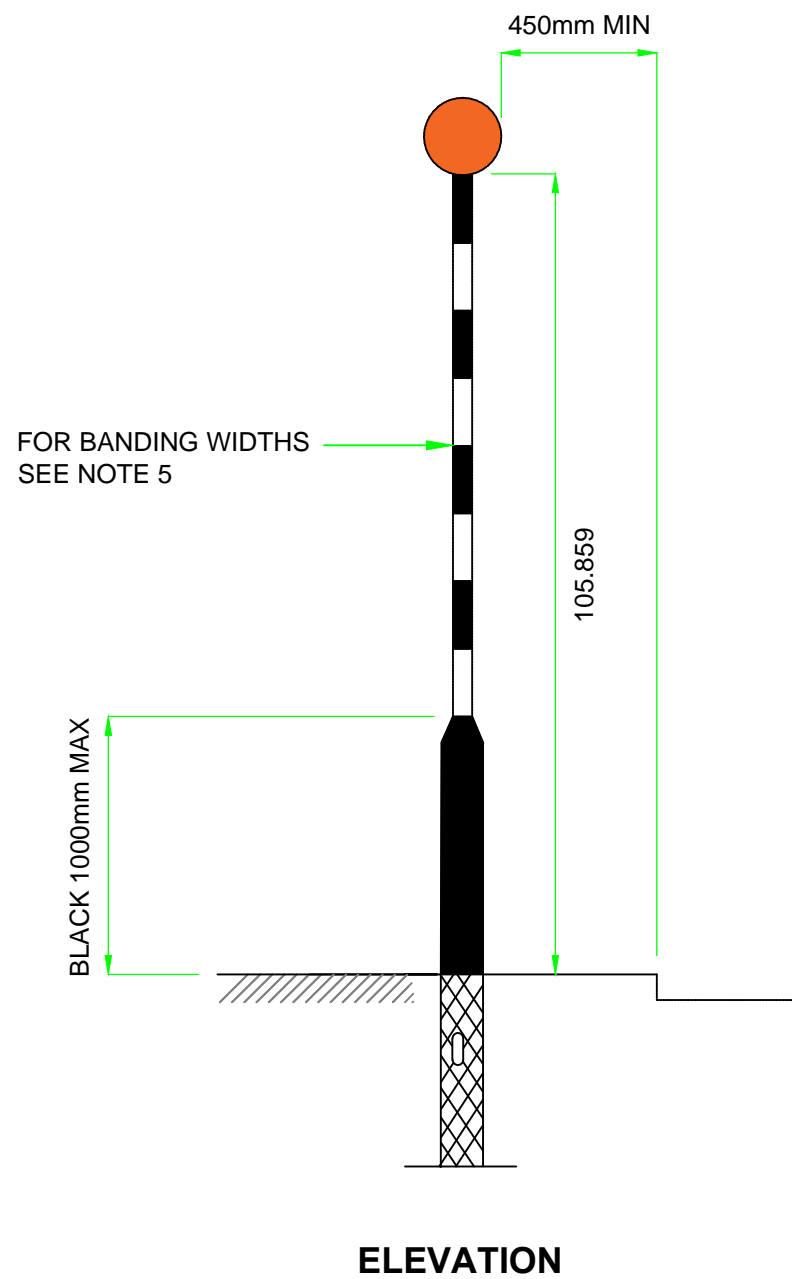
DRAWING TITLE
**ZEBRA CROSSING
COMBINED REFUGE COLUMN**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1300-009** REV. **-**





Single or Double Shield (if required).
Simmonsigs MODU/BEL/76/SHROUD or similar

NOTES

1. DO NOT SCALE FROM DRAWING.
2. THE COLUMN SHALL COMPLY WITH THE 1300 SERIES MCHW.
3. THE BEACON AND MARKINGS AND GLOBES SHALL COMPLY WITH TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016 STATUTORY INSTRUMENTS 2016 NO 362
4. THE YELLOW GLOBE SHALL HAVE A DIAMETER NOT LESS THAN 275MM OR MORE THAN 335MM.
5. OTHER THAN THE BOTTOM BLACK BAND THE BLACK AND WHITE BANDS SHALL BE NOT LESS THAN 275MM OR MORE THAN 300MM HIGH AND ALL OF EQUAL HEIGHT.
6. THE YELLOW GLOBE SHALL SIMMONSIGNS MODUBEL OR SIMILAR APPROVED.
7. THE GLOBE SHALL BE FITTED WITH A SINGLE OR DOUBLE SHIELD, WHERE REQUIRED.
8. LANTERN AND CONTROL WILL BE SPECIFIED IN THE WORKS PACKAGE DRAWING.
9. THE WHITE BANDS SHALL BE REFLECTORISED R3B MATERIAL OR PAINTED USING REFLECTIVE PAINT.
10. DRAWING SHALL NOT BE SCALED.
11. THE COLUMN SHALL APPLY WITH APPENDIX 13.

Rev	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **ZEBRA CROSSING BEACON ONLY**

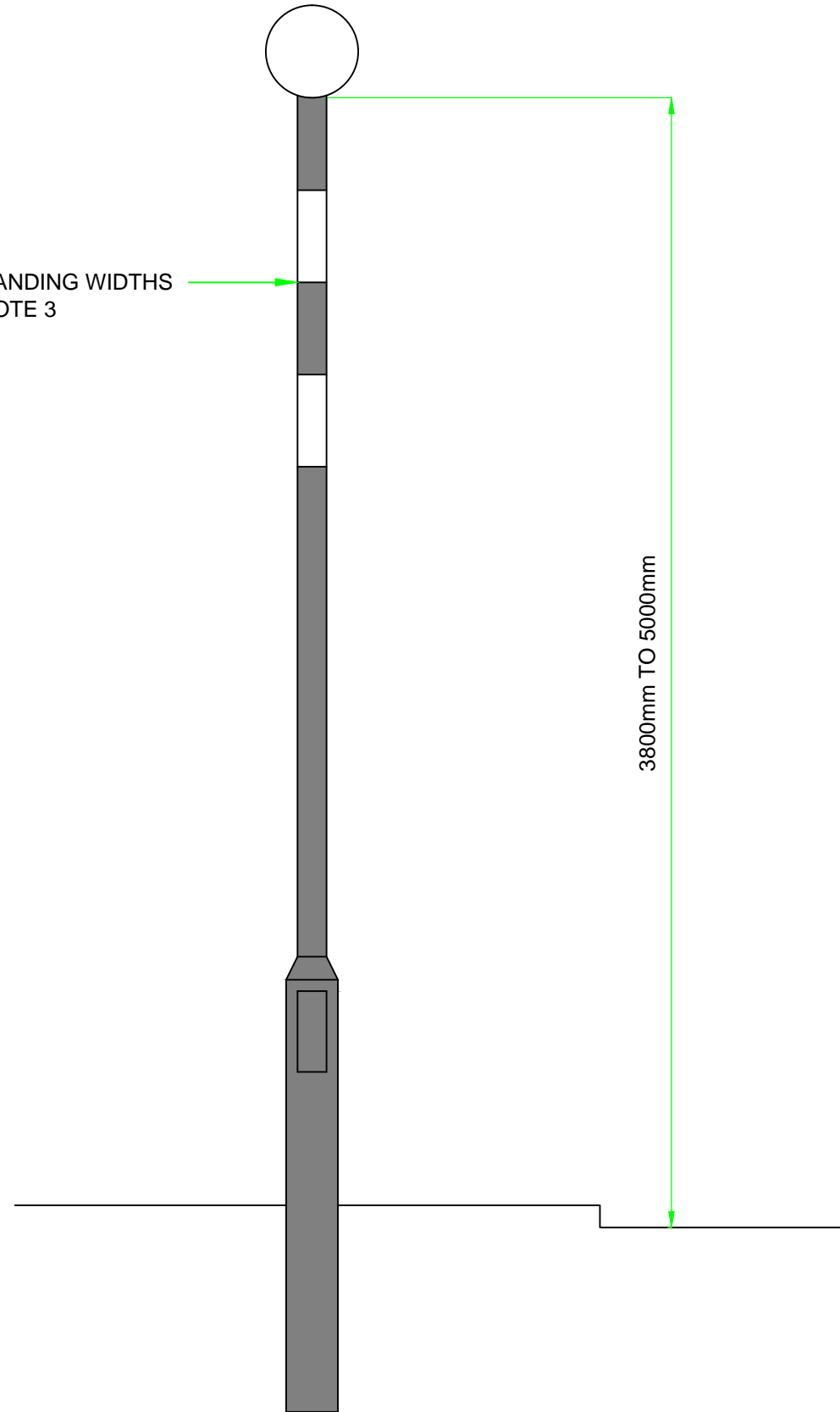
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1300-010** REV. **-**



FOR BANDING WIDTHS
SEE NOTE 3



NOTES

1. DO NOT SCALE FROM DRAWING.
2. THE GLOBE SHALL BE WHITE.
3. THE GLOBE SHALL HAVE A DIAMETER NOT LESS THAN 290MM OR MORE THAN 310MM.
4. THE BEACON POST SHALL BE COLOURED GREY (GREY CAN BE COLUMN MATERIAL IF GALVANISED ONLY) WITH TWO WHITE BANDS STARTING AT 300MM BELOW THE GLOBE, EACH BAND BEING 300MM IN DEPTH SEPARATED BY A 300MM GAP
5. THE WHITE BAND SHALL BE R3B REFLECTIVE MATERIAL.
6. THE GLOBE SHALL BE INTERNALLY ILLUMINATED WITH A LOW WATTAGE LED TRAFFIC SIGNAL LAMP AND ELECTRONIC CONVERSION UNIT, COMPLIANT WITH BS 8442. THE LAMP AND CONVERSION UNIT SHALL BE INSTALLED AS DETAILED IN THE MANUFACTURER'S INSTRUCTIONS.
7. THE COLUMN SHALL COMPLY WITH APPENDIX 13.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

DRAWING TITLE
REFUGE COLUMN AND BEACON

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

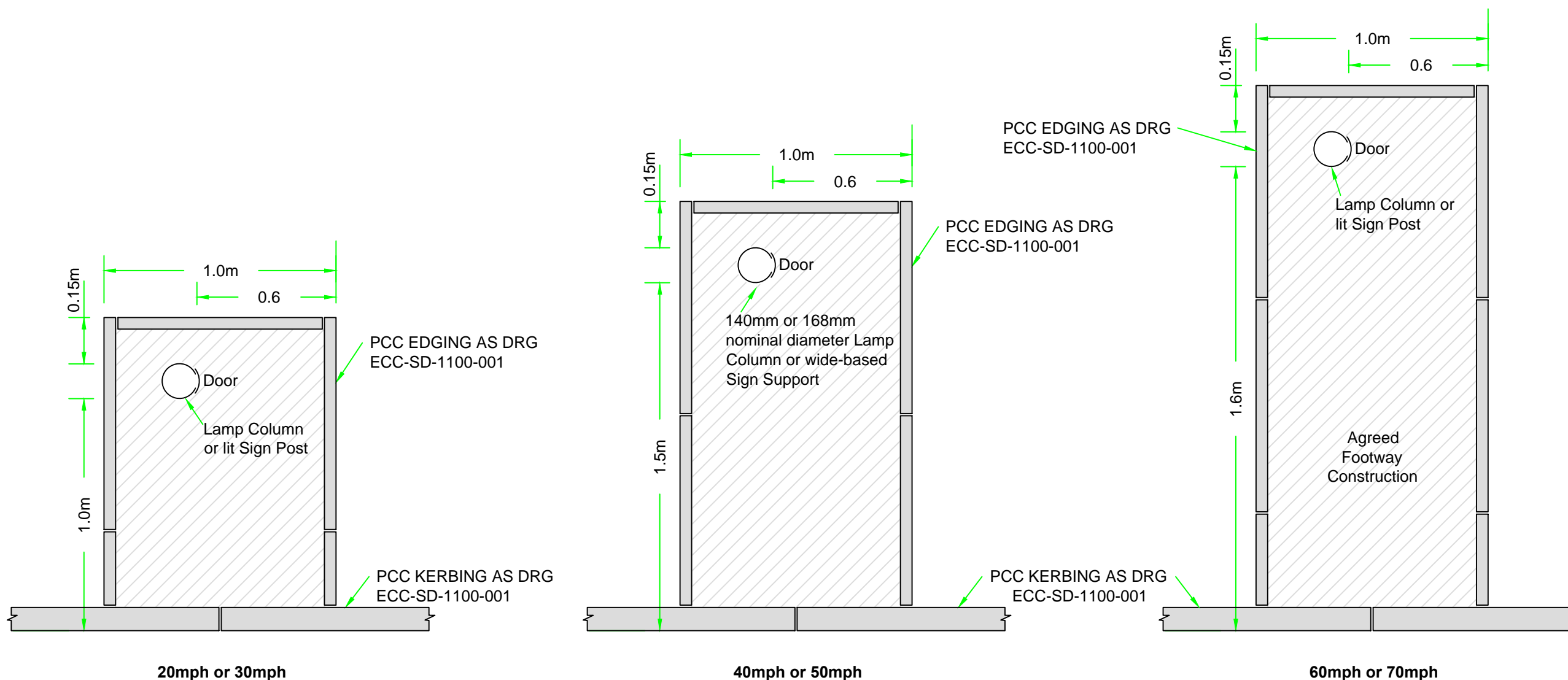
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1300-011** REV. **-**



Notes:

1. Refer to Essex Development Construction Manual for acceptable construction materials.
2. Refer to Street Lighting Development Management Specification for acceptable lighting equipment



LAMP COLUMN - HARD STANDING (PLAN VIEW)

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS: **APPROVED**



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SCHEME TITLE: **STANDARD DETAILS**

DRAWING TITLE: **LAMP COLUMN HARD STANDING**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1300-012** REV. **-**



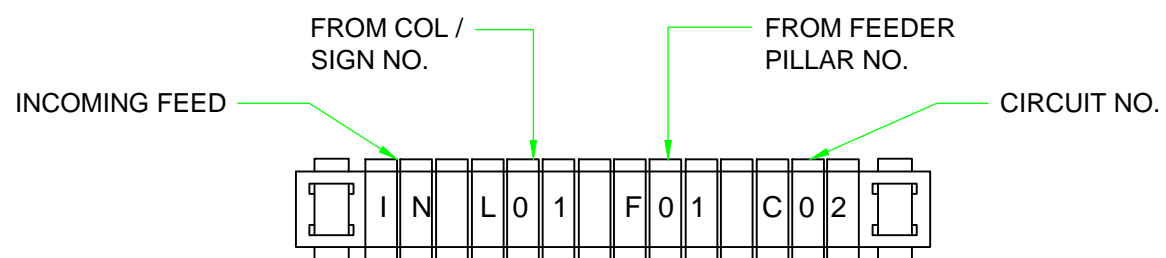
NOTES

- DO NOT SCALE FROM DRAWING.
- DRAWING SHALL BE PRINTED OUT IN COLOUR

CABLE IDENTIFICATION LABELS:

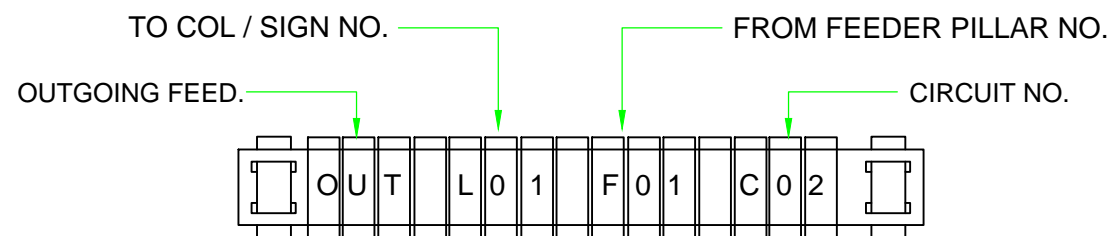
- LABELS ARE TO BE K TYPE CRITCHLEY LABELS OR SIMILAR APPROVED
- A BLANK MUST BE IN BETWEEN EACH SECTION AS SHOWN
- LABELS ATTACHED TO CABLES USING CABLE TIES FITTED BELOW GLAND PLATES.

INCOMING CABLES IN COLUMNS/SIGNS SHALL BE LABELLED AS FOLLOWS:



*** FOR DNO SUPPLY ONLY NO LABEL IS REQUIRED**

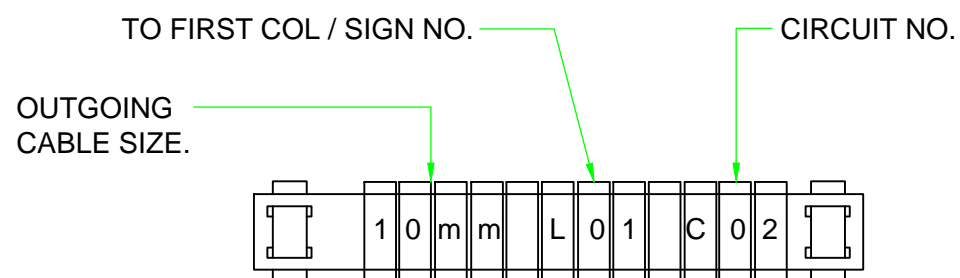
OUTGOING CABLES IN COLUMNS/SIGNS SHALL BE LABELLED AS FOLLOWS:



*** FOR DNO - TO COL / SIGN NO. - ONLY REQUIRED**

Outgoing cable size - to first col / sign no. - circuit no.

OUTGOING CABLES IN DISTRIBUTION PILLAR SHALL BE LABELLED AS FOLLOWS:



Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

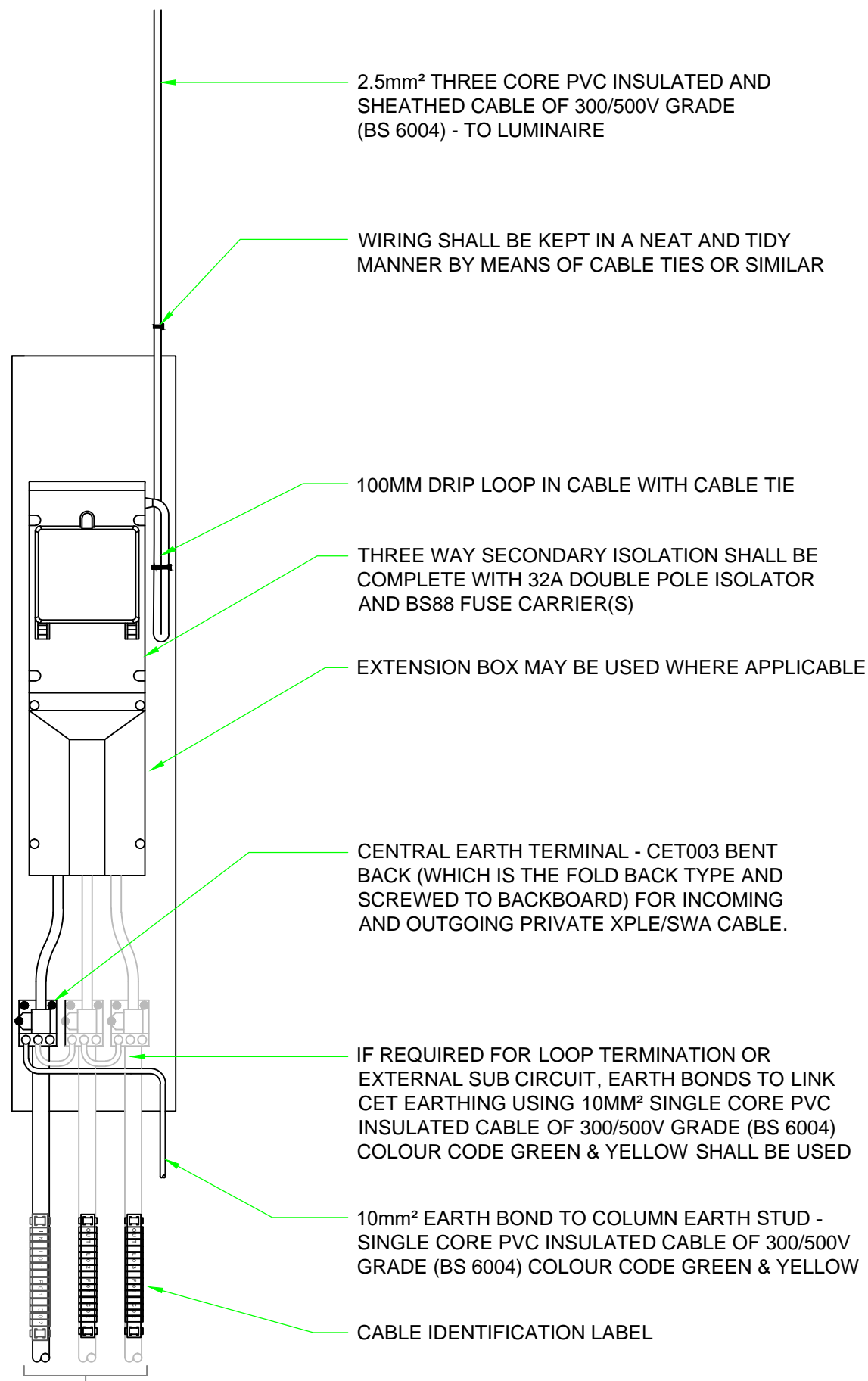
DRAWING TITLE **CABLE IDENTIFICATION LABELS FOR PRIVATE CABLES**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-001** REV. **-**





Out going loop circuit and / or sub-circuit as required

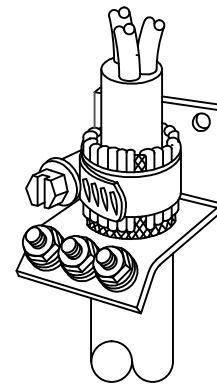
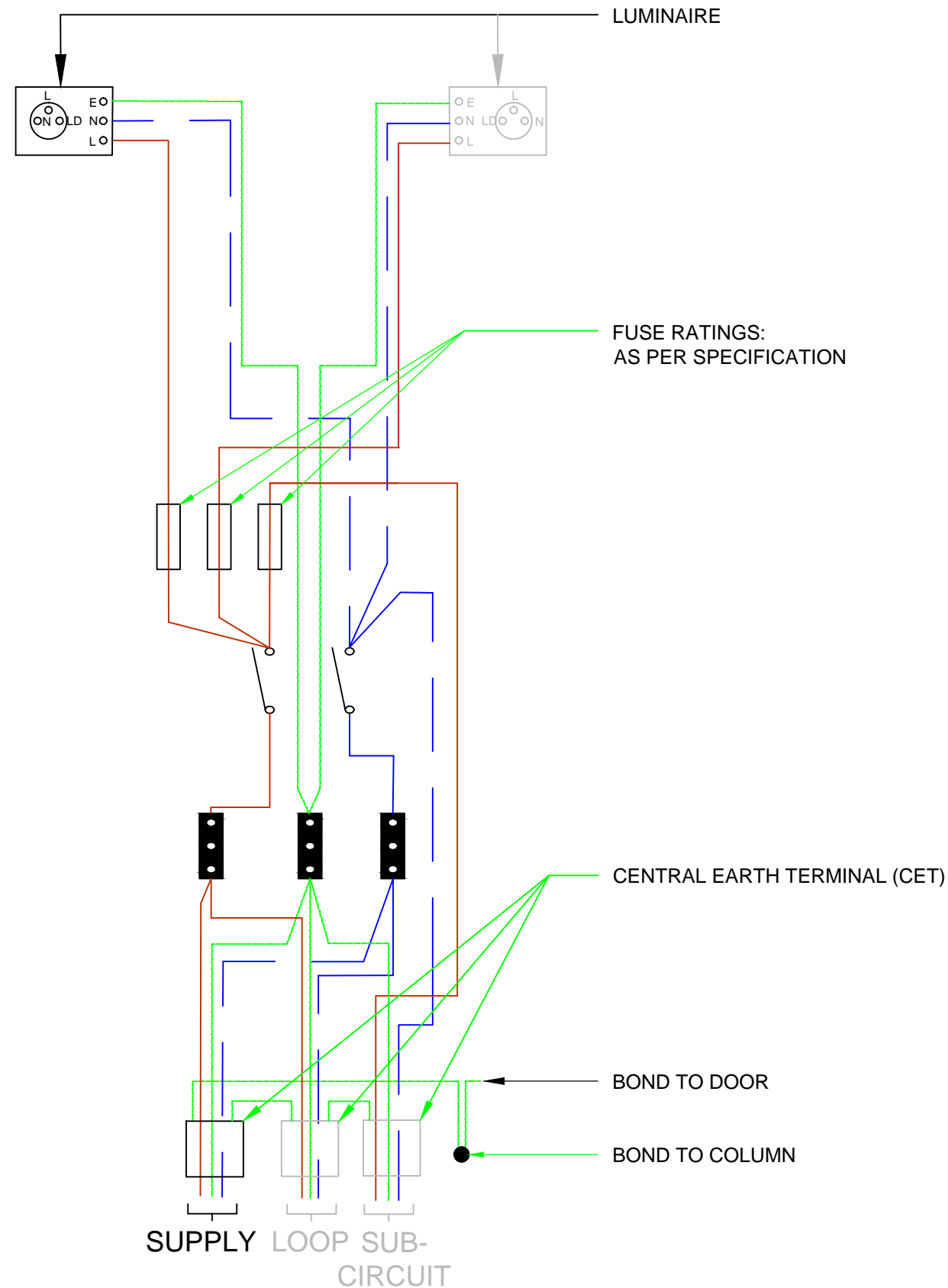
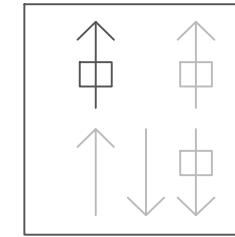


DIAGRAM SHOWING REQUIRED CET003 ARRANGEMENT



NOTES

- DO NOT SCALE FROM DRAWING.
- DRAWING SHALL BE PRINTED OUT IN COLOUR

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **TYPICAL TERMINATION DETAIL FOR PRIVATE CABLE WITH OPTIONAL SECOND LUMINAIRE, LOOP OR SUB-CIRCUIT**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-002** REV. **-**



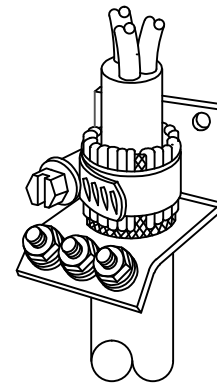
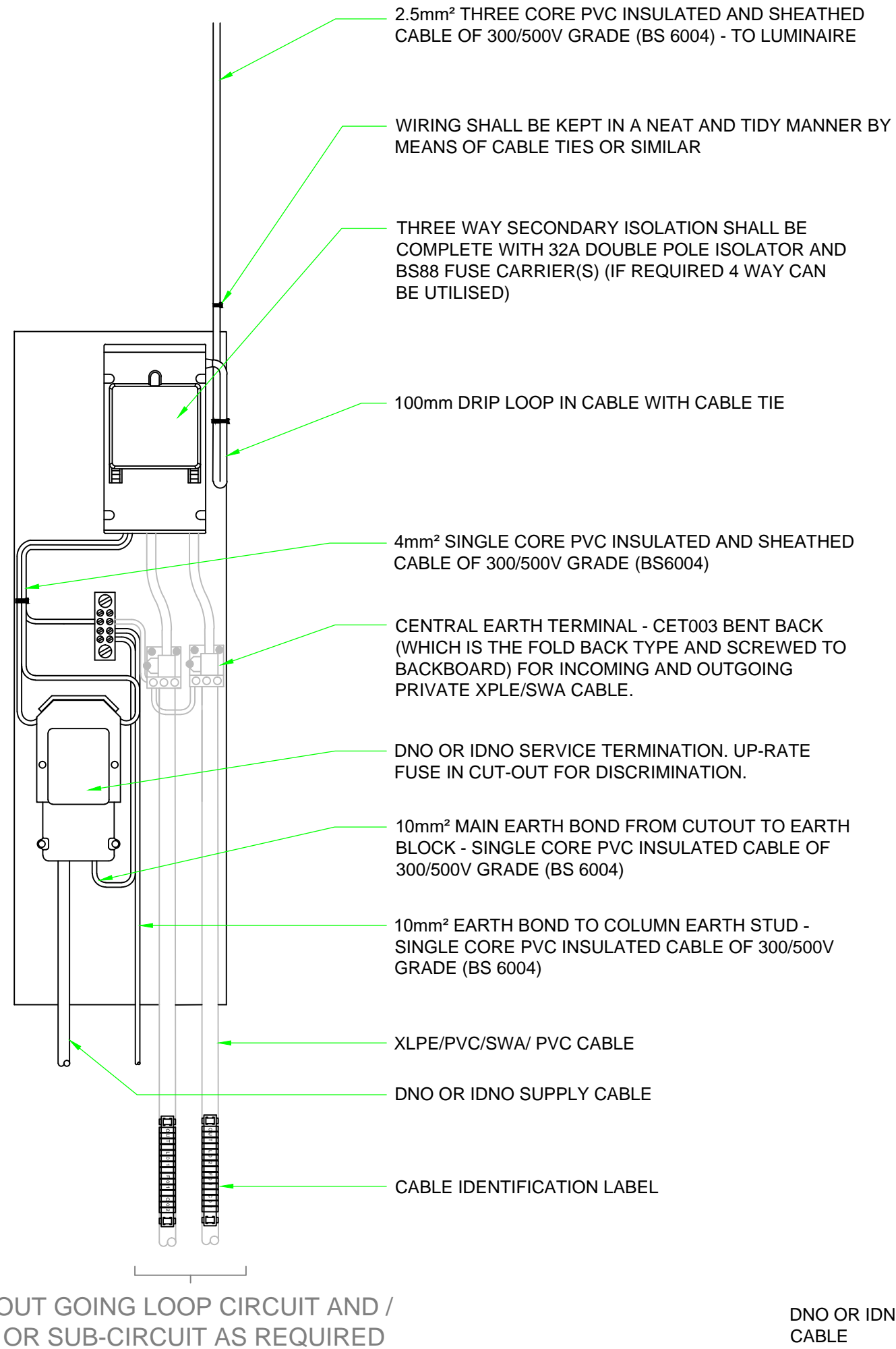
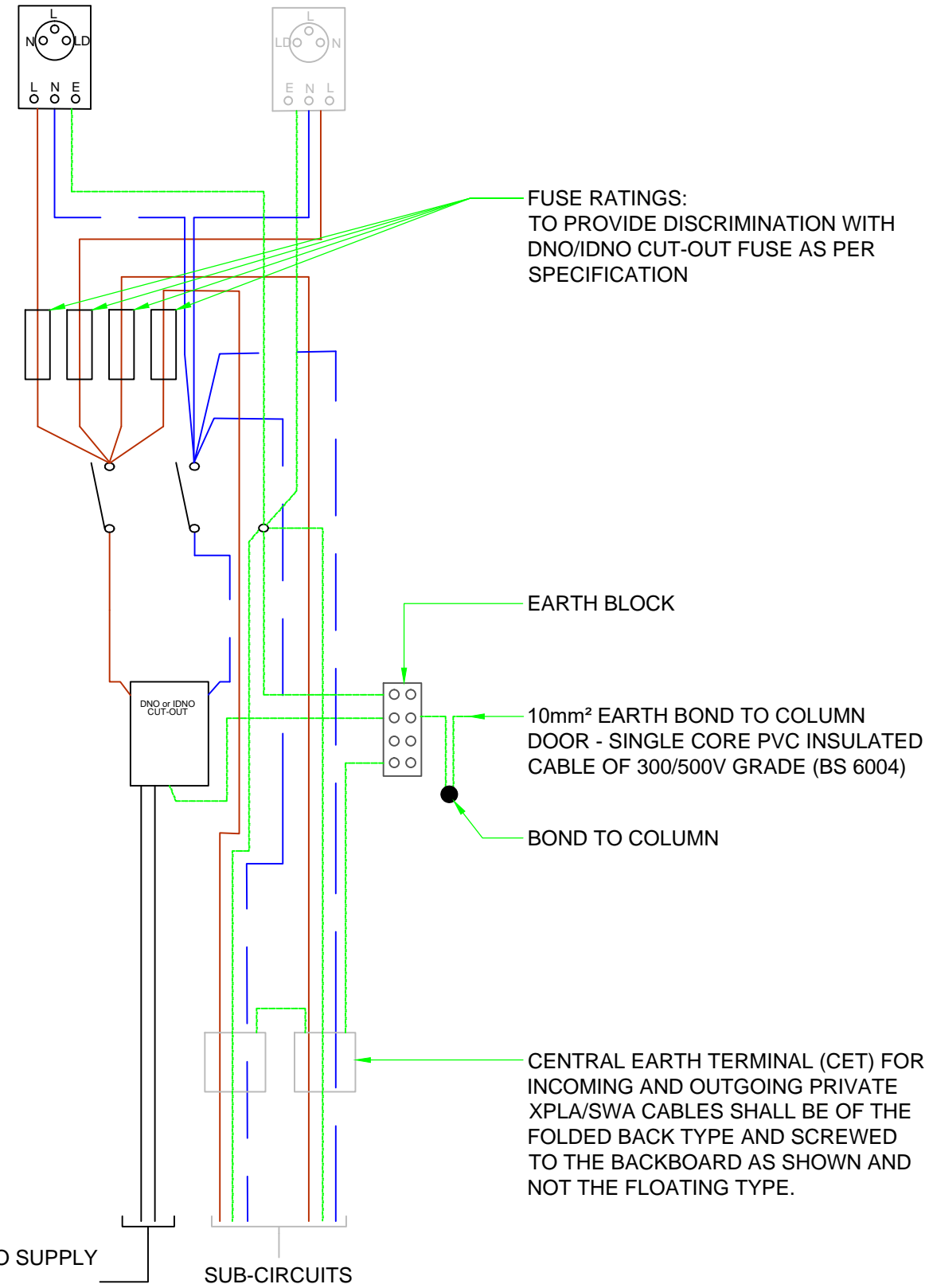
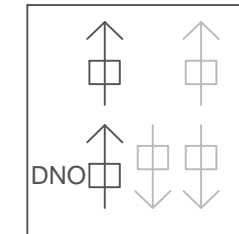


DIAGRAM SHOWING REQUIRED CET003 ARRANGEMENT



NOTES

- DO NOT SCALE FROM DRAWING.
- DRAWING SHALL BE PRINTED OUT IN COLOUR

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

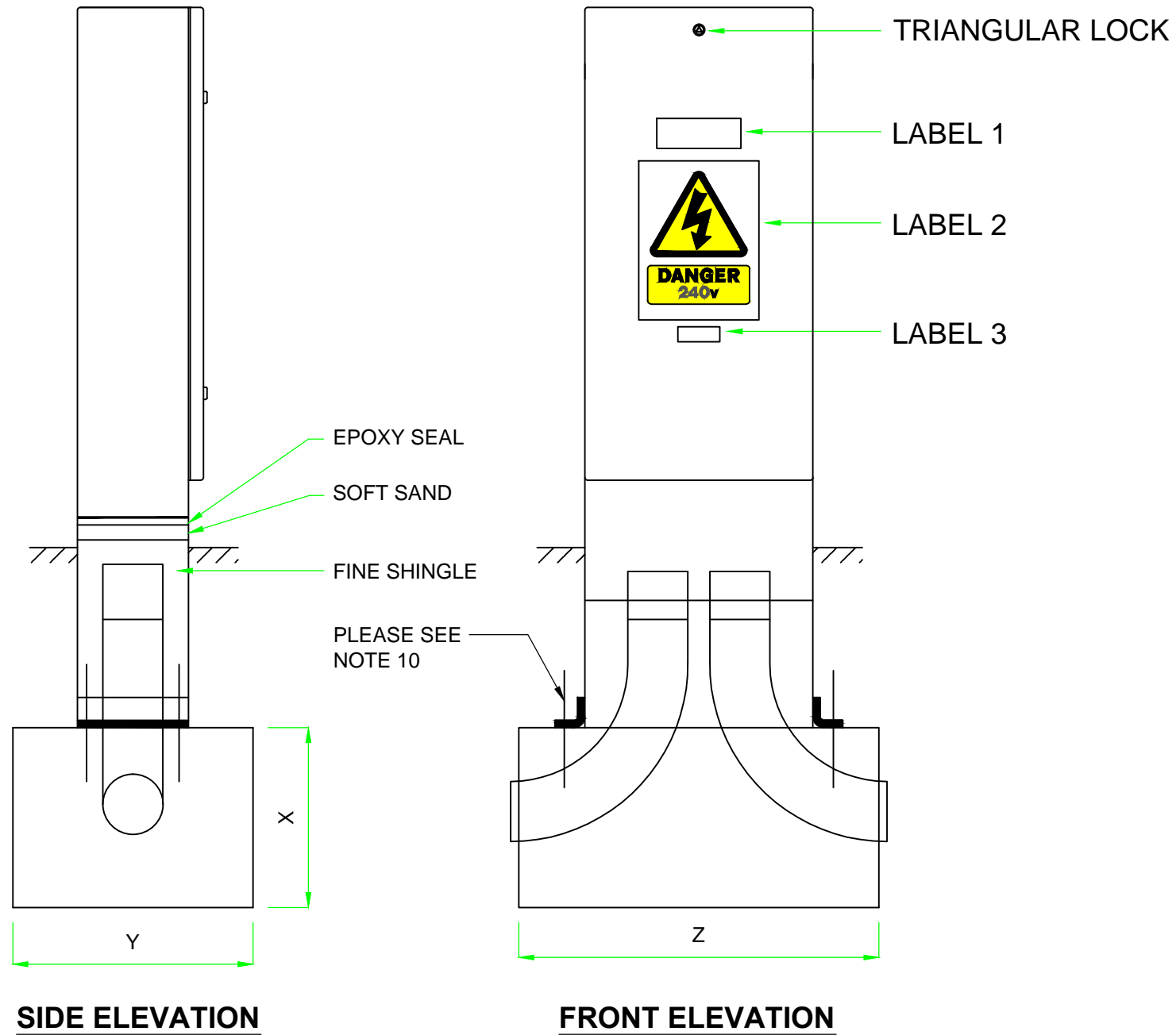
DRAWING TITLE **TYPICAL TERMINATION DETAIL DNO SUPPLY WITH OPTIONAL FUSED SUB-CIRCUITS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-003** REV. **-**





- LABELS:**
- "STREET LIGHTING" - 50MM HIGH BLACK TEXT ON WHITE BACKGROUND
 - ELECTRIC HAZARD SIGN WITH 230V
 - MAINTENANCE NUMBERS AS DESCRIBED IN THE SPECIFICATION

- NOTES**
- DO NOT SCALE FROM DRAWING.
- MINI FEEDER PILLARS SHALL:**
- SHALL BE ABLE TO FIT THE APPROXIMATE BACKBOARD TO SUIT ELECTRICAL EQUIPMENT AND SPARE SPACE OF 25%
 - SHALL HAVE A MINIMUM DEPTH 150MM AND A WIDTH BETWEEN 150MM AND 350MM
 - LOCK TO BE TRIANGLE STANDARD KEY AS DETAILED IN THE DMRB
 - UNLESS IN FOOTWAY BE PROVIDED WITH 1NO. 900MM X 600MM X 50MM CONCRETE PAVING FLAGS IN FRONT OF THE DOOR.
 - BE PROVIDED WITH:
 - 1NO. 50MM BLACK DUCT
 - MINIMUM 1NO. 50MMØ ORANGE DUCT.
 - DUCTS SHALL BE SELF-COLOURED, SMOOTH BORE MDPE AND HAVE "EASY BENDS".
 - BE PROVIDED WITH CONCRETE FOUNDATION ACCORDING TO THE MANUFACTURES SPECIFICATION
 - HAVE AN EARTH BOND FROM THE PILLAR DOOR TO THE PILLAR. THIS SHALL BE 10MM² EARTH BOND TO COLUMN DOOR - SINGLE CORE PVC INSULATED CABLE OF 300/500V GRADE (BS 6004) AND SHALL TERMINATE WITH AN INTEGRAL LUG.
 - HAVE A THIN COATING OF GRAPHITE GREASE APPLIED TO ALL MOVING PARTS (HINGES AND LOCKS ETC)
 - LABELS SHALL BE ACCORDING TO THE LOCAL AUTHORITY'S SPECIFICATION AND BS7671.
 - INSTALLATION AND FEEDER PILLAR FOUNDATIONS (X,Y,Z) ARE TO BE ACCORDING TO THE MANUFACTURER'S SPECIFICATION
 - FEEDER PILLAR SHALL BE SECURED TO THE FOUNDATIONS AS PER MANUFACTURES GUIDELINES

Rev	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **TYPICAL MINI PILLAR**

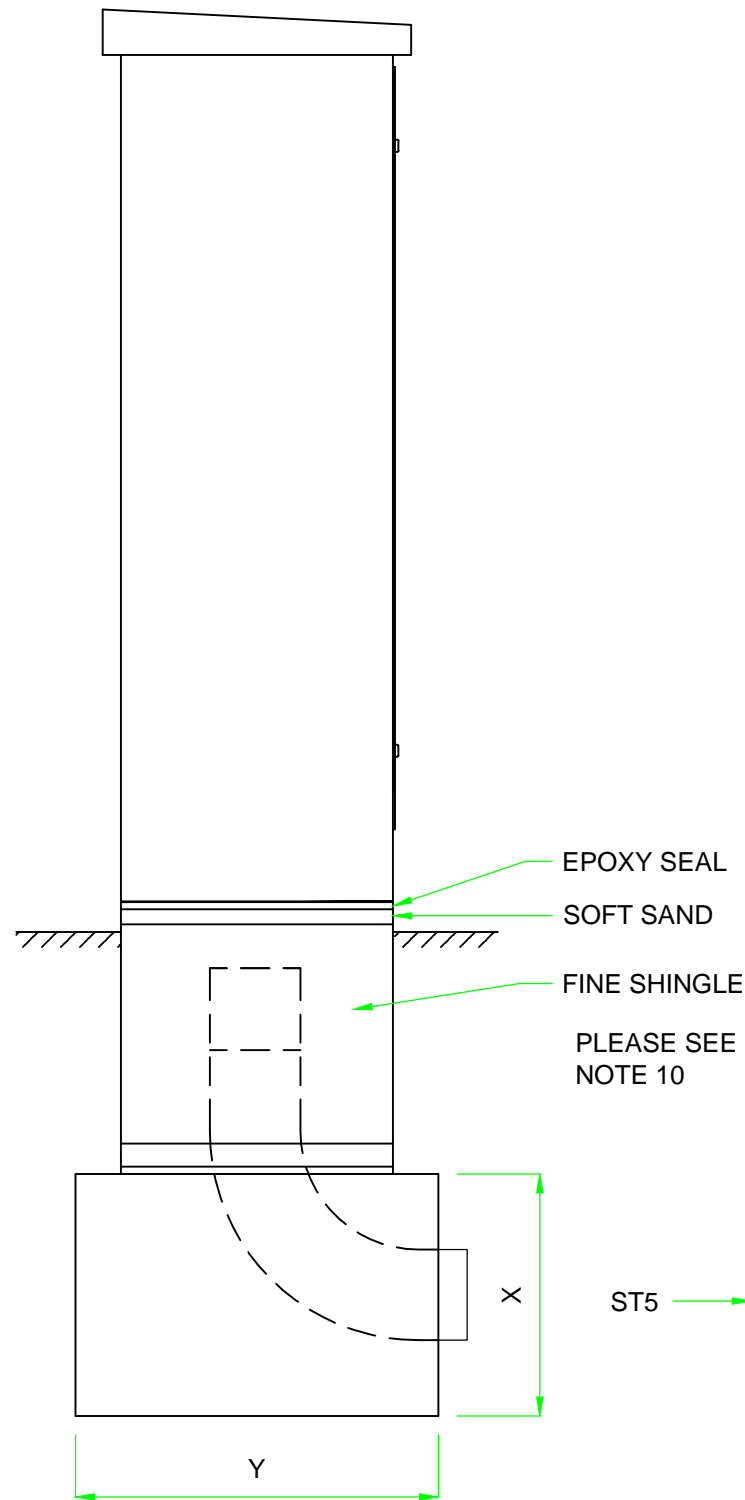
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

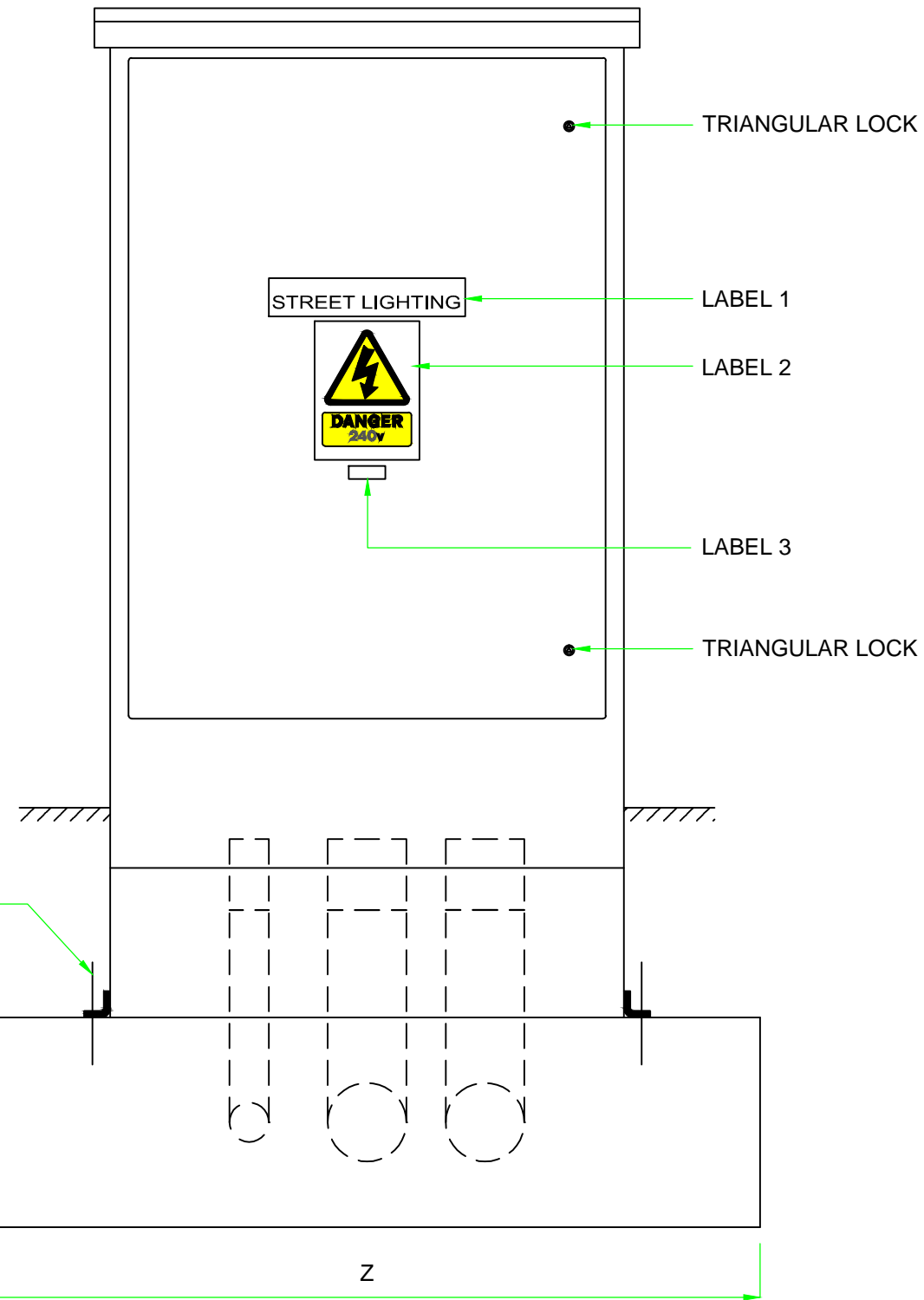
DRAWING No. **ECC-SD-1400-004** REV. **-**



SIDE ELEVATION



FRONT ELEVATION



LABELS:

- "STREET LIGHTING" - 50MM HIGH BLACK TEXT ON WHITE BACKGROUND
- ELECTRIC HAZARD SIGN WITH 230V
- MAINTENANCE NUMBERS AS DESCRIBED IN THE SPECIFICATION

NOTES

- DO NOT SCALE FROM DRAWING.

FEEDER PILLAR SHALL:

- HAVE ROOM TO FIT THE APPROXIMATE BACKBOARD SIZE TO SUIT ELECTRICAL EQUIPMENT AND SPARE SPACE OF 25%
- SHALL HAVE A MINIMUM DEPTH OF 200MM AND A WIDTH BETWEEN 350MM AND 1000MM
- LOCK TO BE TRIANGLE STANDARD KEY AS DETAILED IN THE DMRB
- UNLESS IN FOOTWAY BE PROVIDED WITH A MINIMUM OF 1NO 900MM X 600MM X 50MM CONCRETE PAVING FLAGS IN FRONT OF THE DOOR TO COVER FULL WIDTH OF PILLAR.
- BE PROVIDED WITH:-
 - 1NO. 50MMØ BLACK DUCT FOR DNO/IDNO SERVICE.
 - 100MMØ ORANGE DUCTS TO FILL THE REMAINING WIDTH OF THE PILLAR (MINIMUM 2NO.)
- DUCTS SHALL BE SELF-COLOURED, SMOOTH BORE MDPE AND HAVE BE PROVIDED WITH CONCRETE FOUNDATION ACCORDING TO THE MANUFACTURES SPECIFICATION
- HAVE AN EARTH BOND FROM THE PILLAR DOOR TO THE PILLAR. THIS SHALL BE FLEXIBLE COPPER BRAID BOND IN ACCORDANCE WITH BS7671. THE ENDS OF THE COPPER BRAID SHALL TERMINATE WITH AN INTEGRAL LUG.
- HAVE A THIN COATING OF GRAPHITE GREASE APPLIED TO ALL MOVING PARTS (HINGES AND LOCKS ETC)
- LABELS SHALL BE ACCORDING TO THE LOCAL AUTHORITY'S SPECIFICATION AND BS7671.
- INSTALLATION AND FEEDER PILLAR FOUNDATIONS (X,Y,Z) ARE TO BE ACCORDING TO THE MANUFACTURER'S SPECIFICATION
- FEEDER PILLAR SHALL BE SECURED TO THE FOUNDATIONS AS PER MANUFACTURES GUIDELINES

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

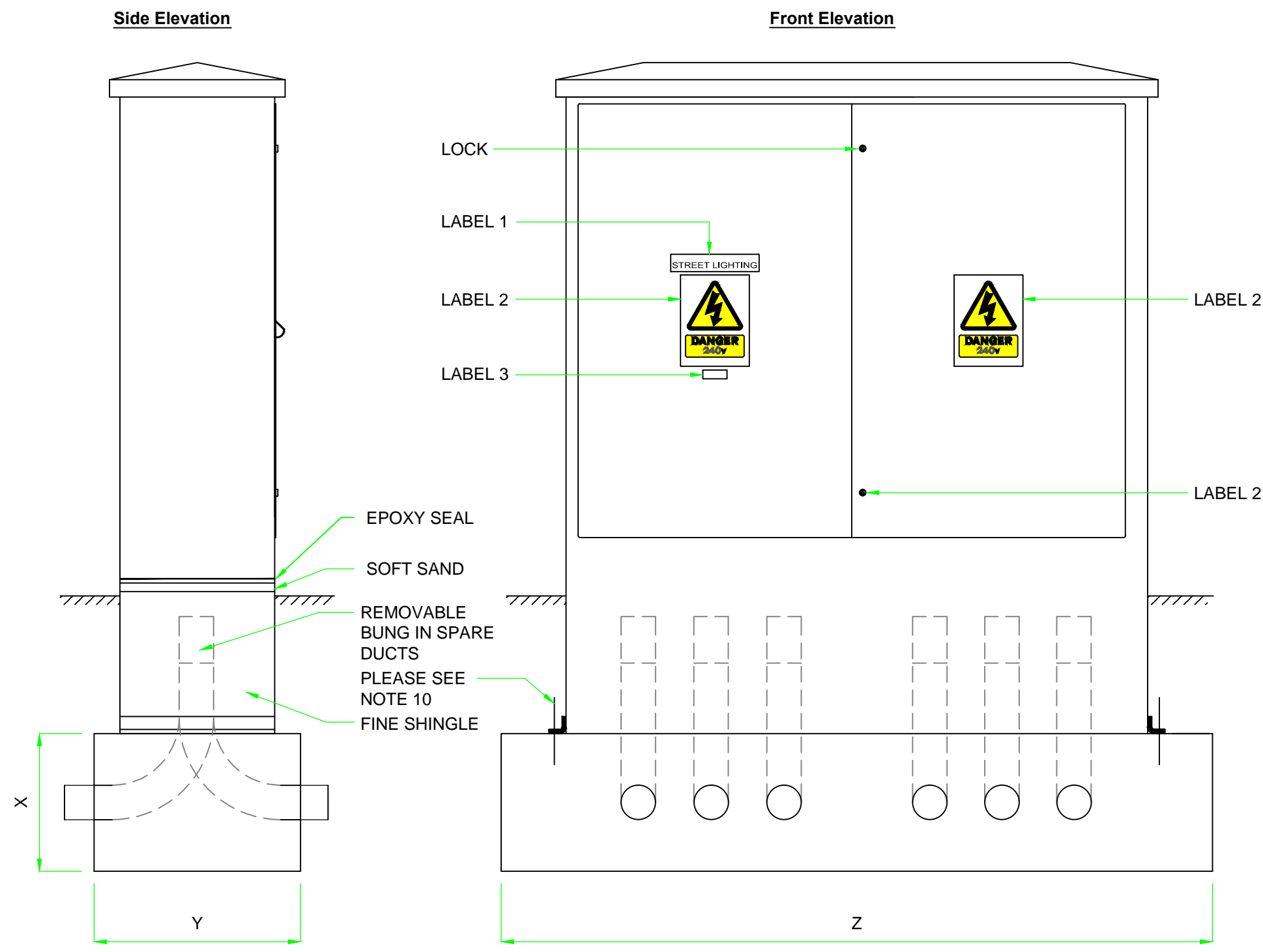
DRAWING TITLE **TYPICAL FEEDER PILLAR**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-005** REV. **-**





LABELS:

1. "STREET LIGHTING" - 50MM HIGH BLACK TEXT ON WHITE BACKGROUND
2. ELECTRIC HAZARD SIGN WITH 230V
3. MAINTENANCE NUMBERS AS DESCRIBED IN THE SPECIFICATION

NOTES

1. DO NOT SCALE FROM DRAWING.
- FEEDER PILLAR SHALL:**
1. HAVE ROOM TO FIT THE APPROXIMATE BACKBOARD SIZE TO SUIT ELECTRICAL EQUIPMENT AND SPARE SPACE OF 25%
 2. SHALL HAVE A MINIMUM DEPTH OF 400mm AND A WIDTH BETWEEN 1200mm AND 2000mm LOCK TO BE TRIANGLE STANDARD KEY AS DETAILED IN THE DMRB
 3. UNLESS IN FOOTWAY BE PROVIDED WITH 900mm X 600mm X 50mm CONCRETE PAVING FLAGS IN FRONT OF THE DOOR TO COVER FULL WIDTH OF PILLAR.
 4. BE PROVIDED WITH: -
 - 4.1. 1NO 100mmØ BLACK DUCT FOR DNO/IDNO SERVICE
 - 4.2. 100MMØ ORANGE DUCTS TO FILL THE REMAINING WIDTH OF THE PILLAR (MINIMUM 4NO.)
 - 4.3. DUCTS SHALL BE SELF-COLOURED, SMOOTH BORE MDPE AND HAVE "EASY BENDS".
 5. BE PROVIDED WITH CONCRETE FOUNDATION ACCORDING TO THE MANUFACTURES SPECIFICATION
 6. HAVE AN EARTH BOND FROM THE PILLAR DOOR TO THE PILLAR. THIS SHALL BE FLEXIBLE COPPER BRAID BOND IN ACCORDANCE WITH BS7671. THE ENDS OF THE COPPER BRAID SHALL TERMINATE WITH AN INTEGRAL LUG.
 7. HAVE A THIN COATING OF GRAPHITE GREASE APPLIED TO ALL MOVING PARTS (HINGES AND LOCKS ETC)
 8. INSTALLATION AND FEEDER PILLAR FOUNDATIONS (X,Y,Z) ARE TO BE ACCORDING TO THE MANUFACTURER'S SPECIFICATION
 9. FEEDER PILLAR SHALL BE SECURED TO THE FOUNDATIONS AS PER MANUFACTURES GUIDELINES

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS: **APPROVED**

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SCHEME TITLE: **STANDARD DETAILS**

DRAWING TITLE: **TYPICAL LARGE FEEDER PILLAR**

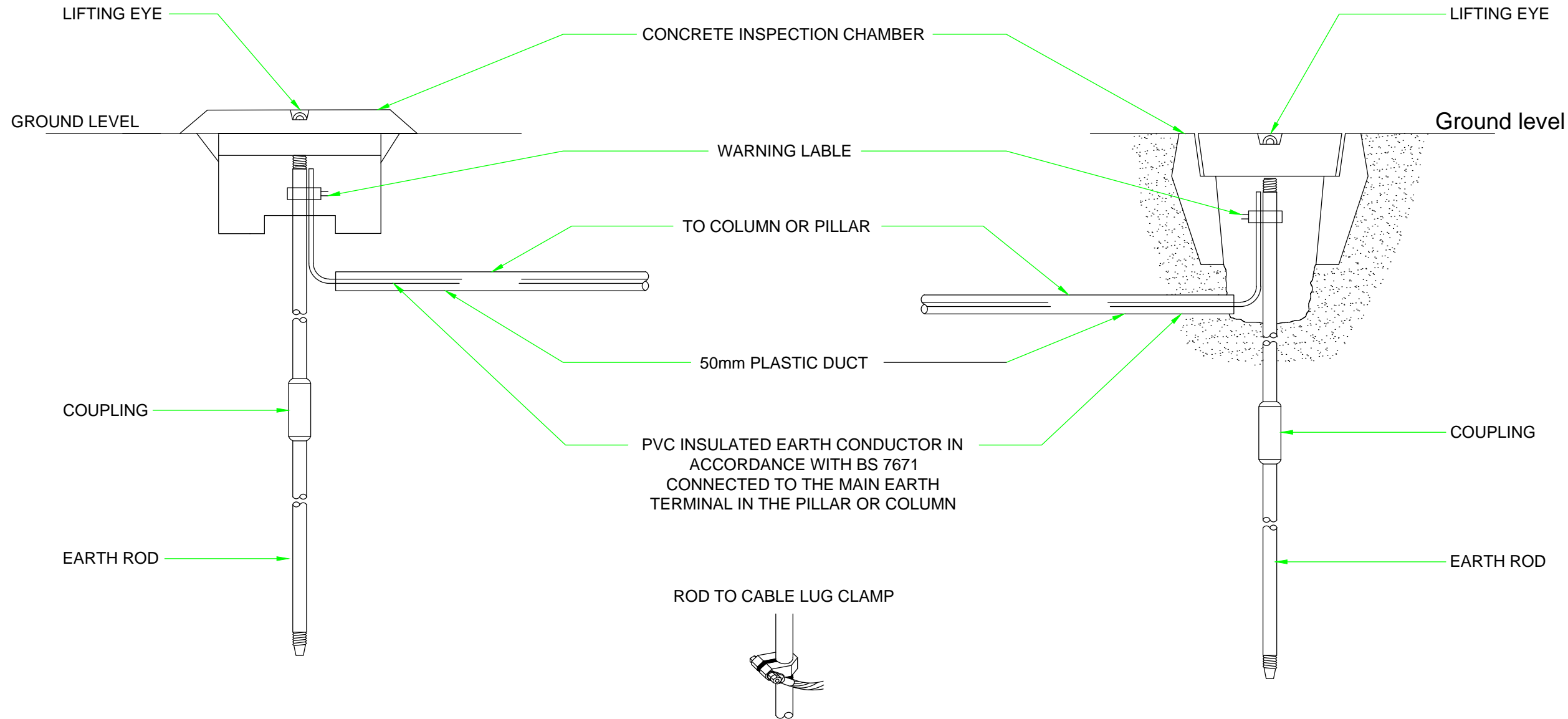
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-006** REV. **-**

**SURFACE MOUNTED FOR
VERGES ETC.**

**FLUSH VERSION FOR FINISHED
SURFACES.**



CONNECTION SHALL BE WRAPPED IN DENSO TAPE.
CLAMP SHALL BE MADE OF COPPER ALLOY

NOTES

1. DO NOT SCALE FROM DRAWING.
2. THE EARTH RODS AND CABLING ARRANGEMENTS SHALL CONFORM TO BS7671 AND BS7430.
3. THE WARNING LABEL SHALL COMPLY BS7671; REGULATION 514.13. LABEL TO BE FITTED CONNECTION ON EARTH CONNECTION IN PILLAR/COLUMN.
4. THE LENGTH AND NUMBER OF EARTH RODS REQUIRED SHALL BE VERIFIED BY TESTING IN ACCORDANCE WITH BS7671.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE
STANDARD DETAILS

DRAWING TITLE
EARTH ROD

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O.
DIMENSIONS IN MILLIMETRES
LEVELS IN METRES

SCALE AT A3 (420x297mm)
N.T.S

DRAWING No. **ECC-SD-1400-007** REV. **-**



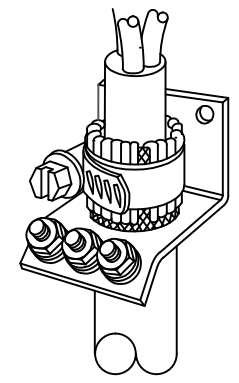
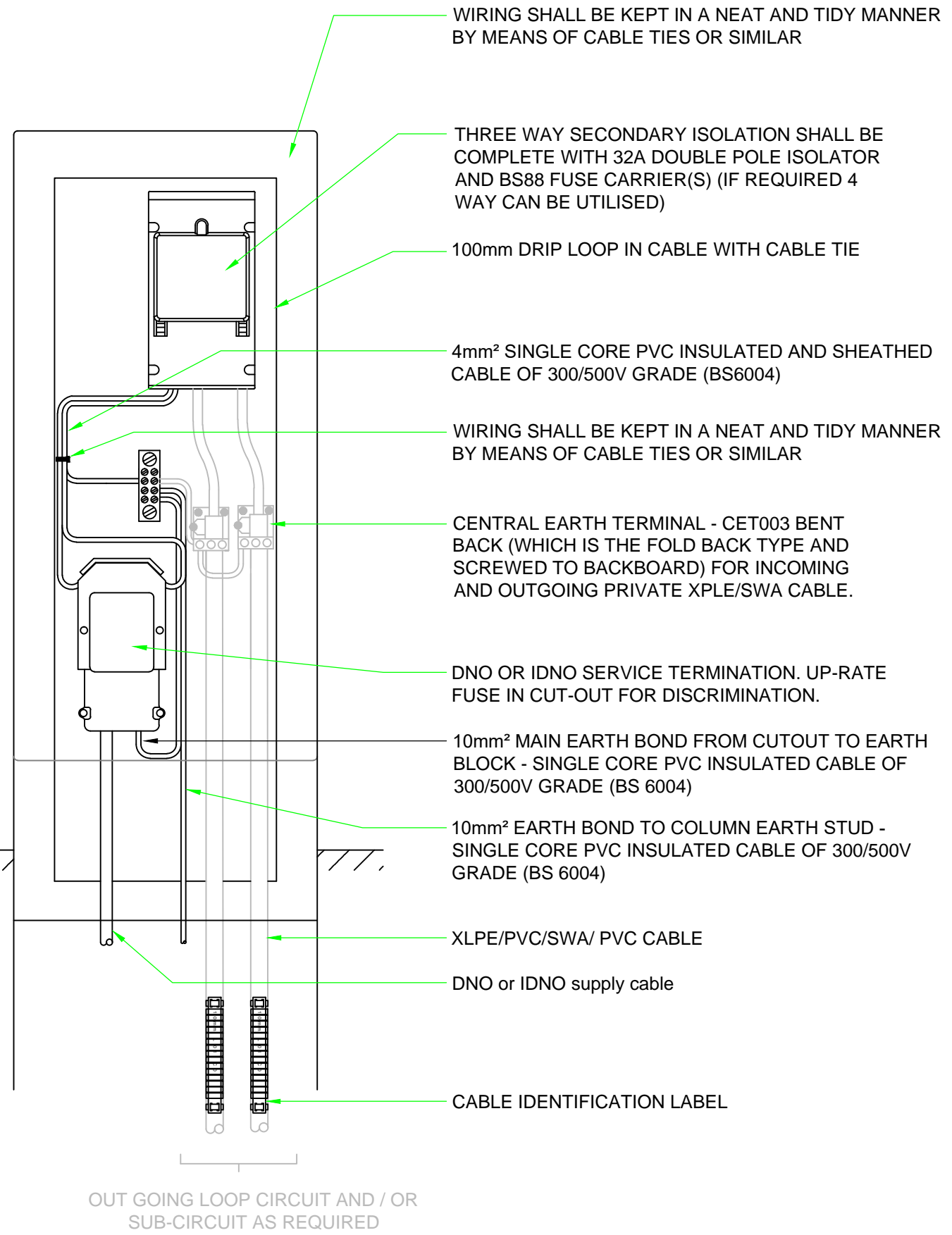
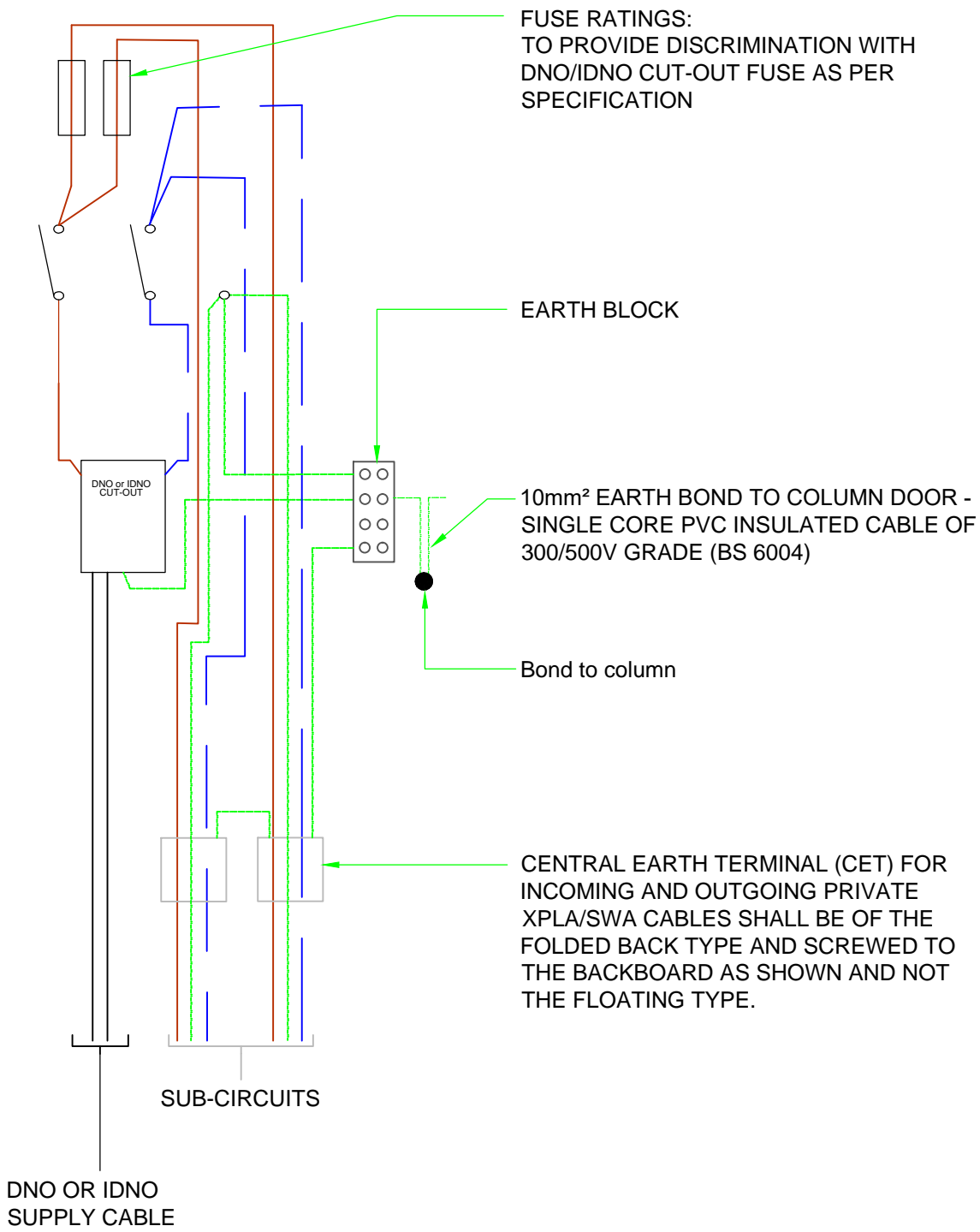
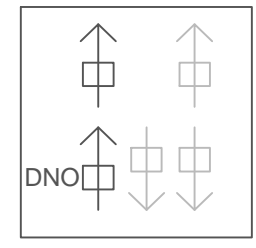


DIAGRAM SHOWING REQUIRED CET003 ARRANGEMENT



- NOTES**
- DO NOT SCALE FROM DRAWING
 - DRAWING SHALL BE PRINTED OUT IN COLOUR

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS: **APPROVED**



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SCHEME TITLE: **STANDARD DETAILS**

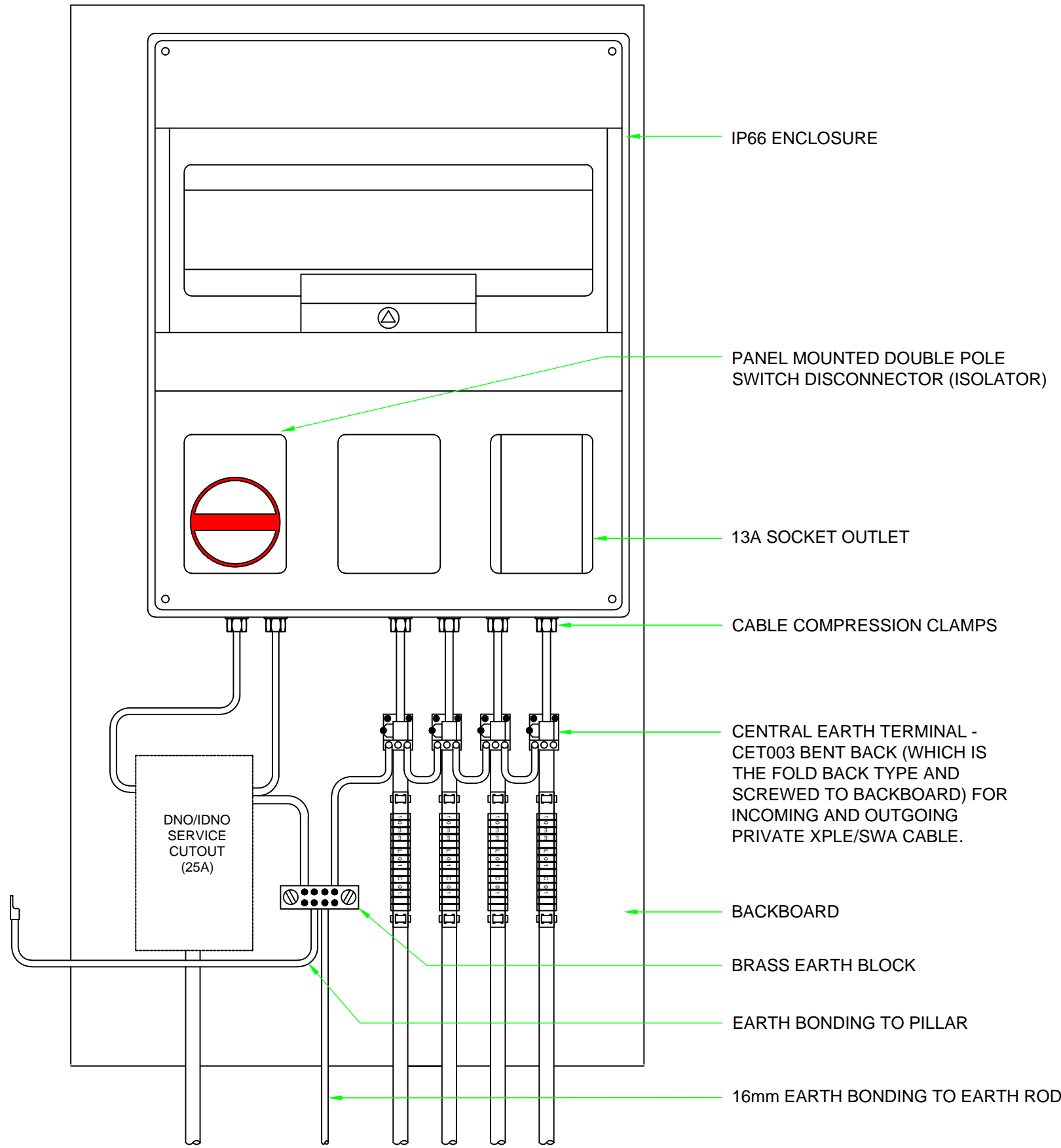
DRAWING TITLE: **MINI PILLAR SWITCH GEAR DETAILS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-008** REV. **-**





IP66 ENCLOSURE

PANEL MOUNTED DOUBLE POLE SWITCH DISCONNECTOR (ISOLATOR)

13A SOCKET OUTLET

CABLE COMPRESSION CLAMPS

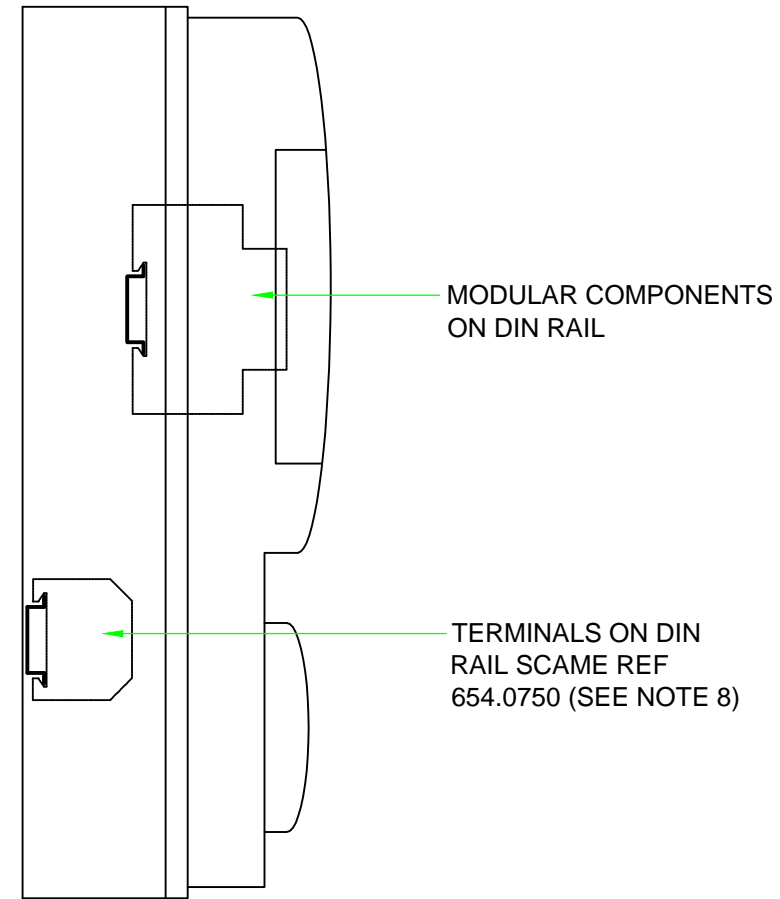
CENTRAL EARTH TERMINAL - CET003 BENT BACK (WHICH IS THE FOLD BACK TYPE AND SCREWED TO BACKBOARD) FOR INCOMING AND OUTGOING PRIVATE XPLE/SWA CABLE.

BACKBOARD

BRASS EARTH BLOCK

EARTH BONDING TO PILLAR

16mm EARTH BONDING TO EARTH ROD



MODULAR COMPONENTS ON DIN RAIL

TERMINALS ON DIN RAIL SCAME REF 654.0750 (SEE NOTE 8)

NOTES

1. DO NOT SCALE FROM DRAWING.
2. EARTH BONDING SHALL COMPLY WITH THE CURRENT EDITION OF BS 7671
3. ALL CABLES SHALL BE NEATLY INSTALLED AND BE EITHER TIE WRAPPED OR FIXED TO THE BACK BOARD
4. ALL CONDUCTORS FROM SWA CABLES OF 6mm CSA OR LARGER SHALL BE TERMINATED IN THE TERMINAL RAIL. TERMINALS SHALL BE "KLIPPON" OR EQUIVALENT

Rev	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **FEEDER PILLAR SWITCH GEAR DETAILS**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

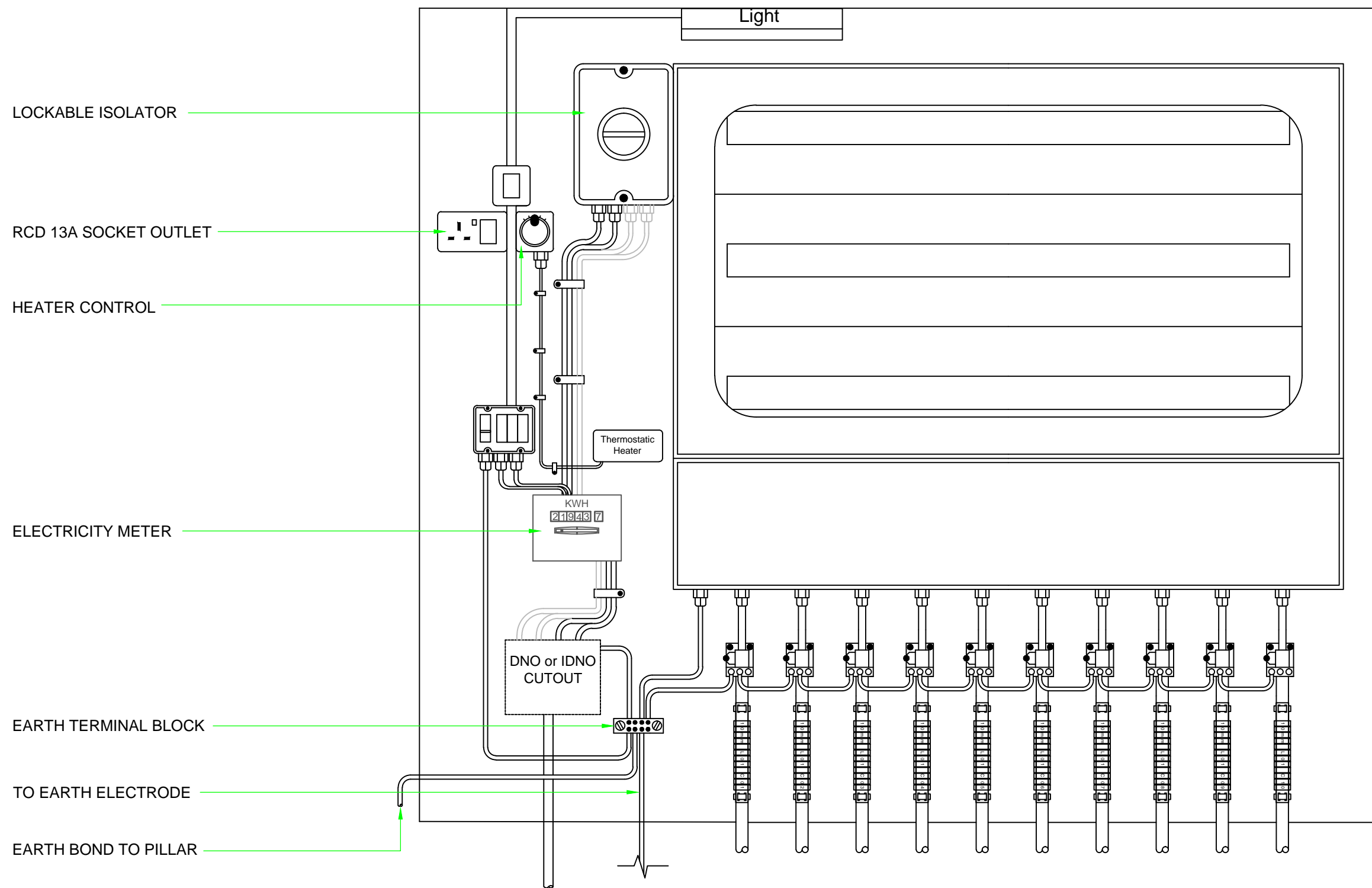
DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-009** REV. **-**



NOTES

1. DO NOT SCALE FROM DRAWING.
2. TYPICAL ARRANGEMENT, DESIGNER TO SUBMIT INTERNAL DETAILED ARRANGEMENT AND SCHEMATIC PRIOR TO APPROVAL



LOCKABLE ISOLATOR

RCD 13A SOCKET OUTLET

HEATER CONTROL

ELECTRICITY METER

EARTH TERMINAL BLOCK

TO EARTH ELECTRODE

EARTH BOND TO PILLAR

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **LARGE FEEDER PILLAR SWITCH GEAR DETAILS**

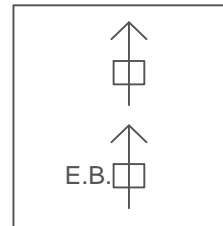
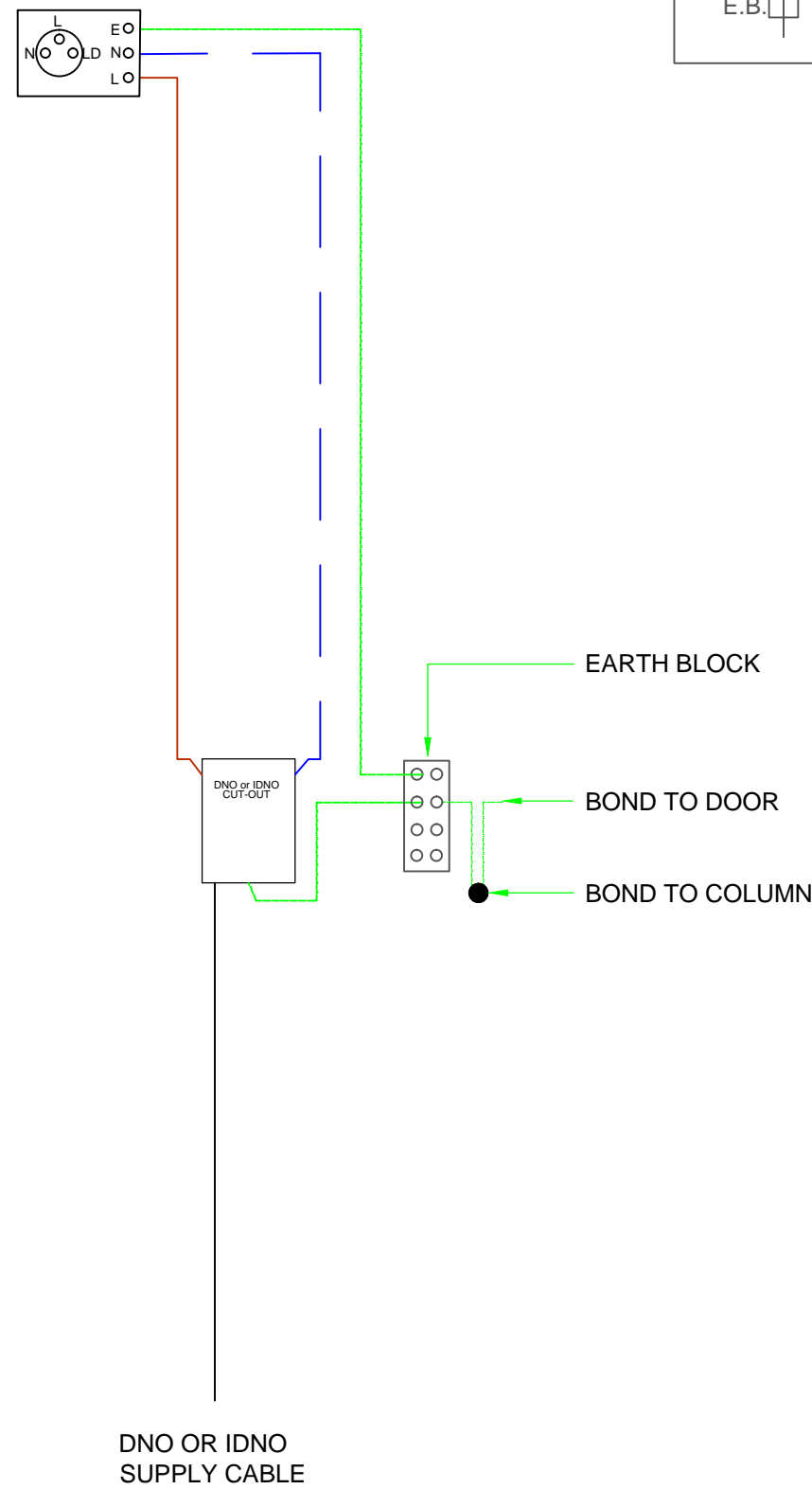
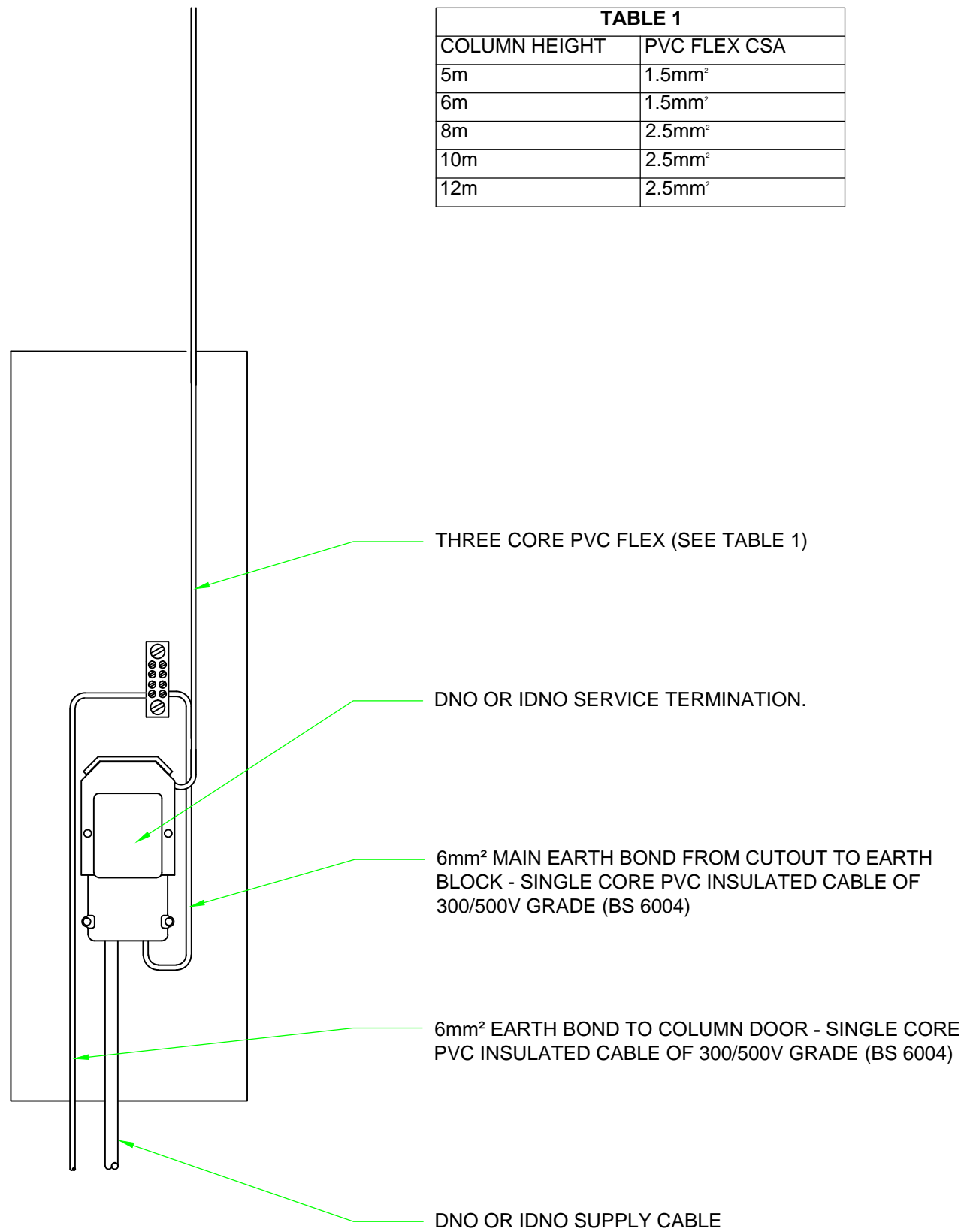
DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-010** REV. **-**



COLUMN HEIGHT	PVC FLEX CSA
5m	1.5mm ²
6m	1.5mm ²
8m	2.5mm ²
10m	2.5mm ²
12m	2.5mm ²



- NOTES
- DO NOT SCALE FROM DRAWING.
 - DRAWING SHALL BE PRINTED OUT IN COLOUR

Rev	Date	Description of revision	Drawn	Checked	Review'd	Approv'd

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

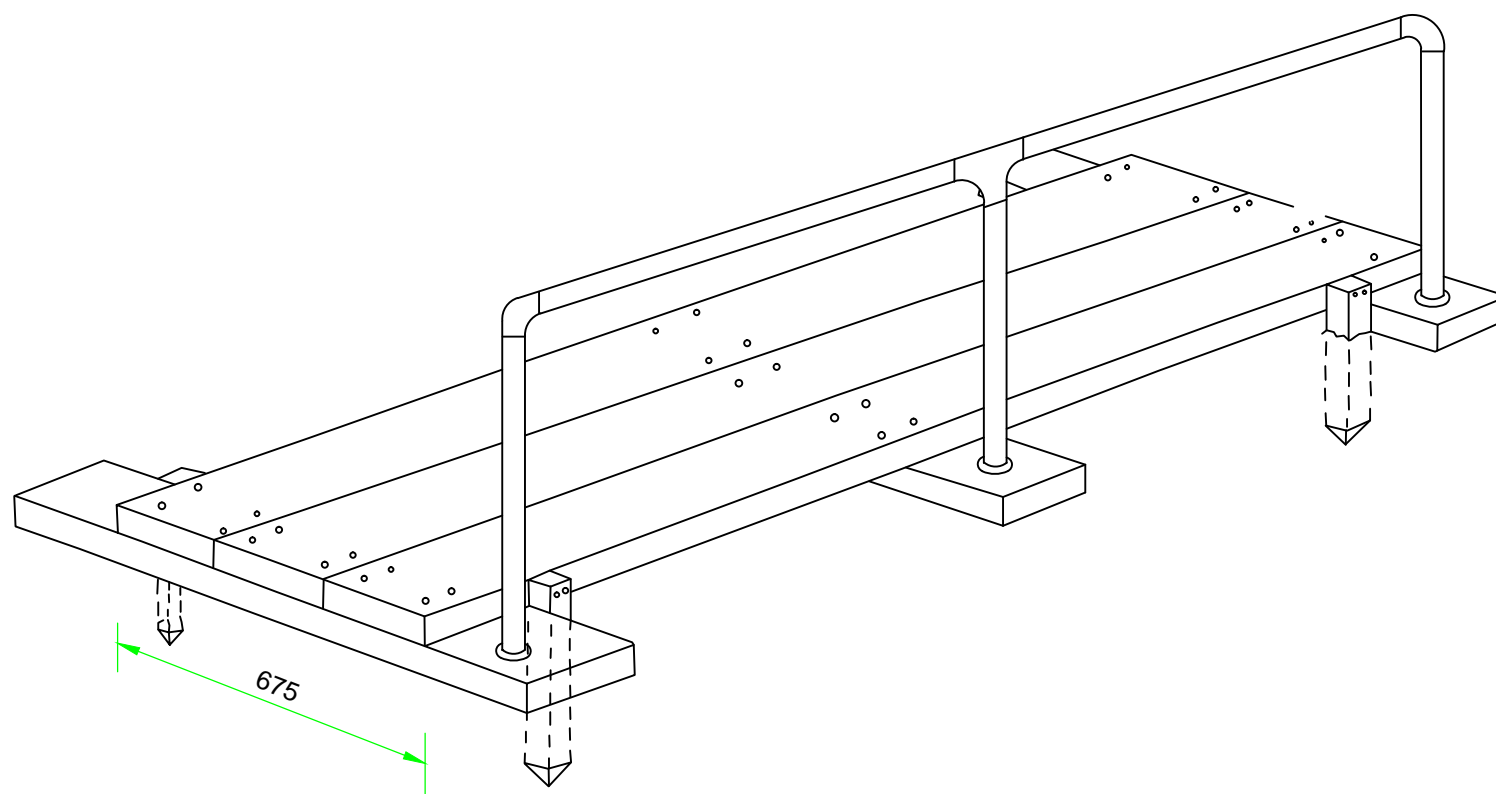
DRAWING TITLE **TYPICAL TERMINATION DETAIL DNO SUPPLY NO SECONDARY ISOLATOR**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-1400-011** REV. **-**





KEY

MAXIMUM LENGTH, 3 METRES

MATERIAL: 225x75 TREATED TIMBER

50x50x500 STAKES

NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL TIMBER SHALL BE IN ACCORDANCE WITH CLAUSES 306 & 311 OF THE MCHW AND BS EN 351-1:1996.
3. ALL METAL PARTS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE MCHW 300 SERIES AND BS 5709:2006.
4. HANDRAILS ARE TO BE KEE KLAMP SIZE 8 OR EQUIVALENT.
5. ENDS OF BRIDGES TO BE 0 TO 75 MM ABOVE GROUND LEVEL. FOR SLOPING SITES HEIGHTS ABOVE GROUND LEVEL TO BE AGREED BY THE OVERSEEING ORGANISATION.
6. END POSTS OF HANDRAILS TO BE DRIVEN INTO BANKS.
7. IF BRIDGE IS 3 METRES OR LESS, THEN NO INTERMEDIATE UPRIGHT ON HAND-RAIL(S).
8. IF BRIDGE IS BETWEEN 3 METRES AND 4 METRES THEN ONE INTERMEDIATE UPRIGHT HANDRAIL-POST, TO BE CENTRED.
9. IF BRIDGE IS 4 METRES OR OVER THEN INTERMEDIATE UPRIGHT HANDRAIL-POSTS ARE TO BE SPACED EVENLY BETWEEN 2 AND 3 METRES APART.
10. ALL HAND-RAILS ARE TO HAVE AN INTERMEDIATE RAIL AT 1100MM HIGH FOR FOOTPATHS AND THE TOP-RAIL AT 1400MM HIGH FOR BRIDLEWAYS.
11. AN ADDITIONAL PLANK, TAKING THE WIDTH TO ONE METRE, SHALL BE INSTALLED IF REQUESTED BY THE OVERSEEING ORGANISATION.
12. HAND-RAILS ARE TO BE PROVIDED ON ONE SIDE UNLESS REQUESTED BY THE OVERSEEING ORGANISATION.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

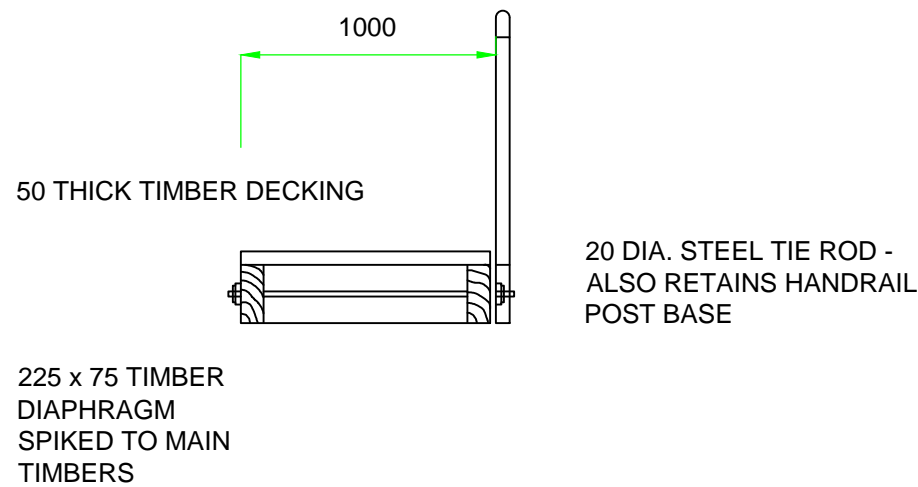
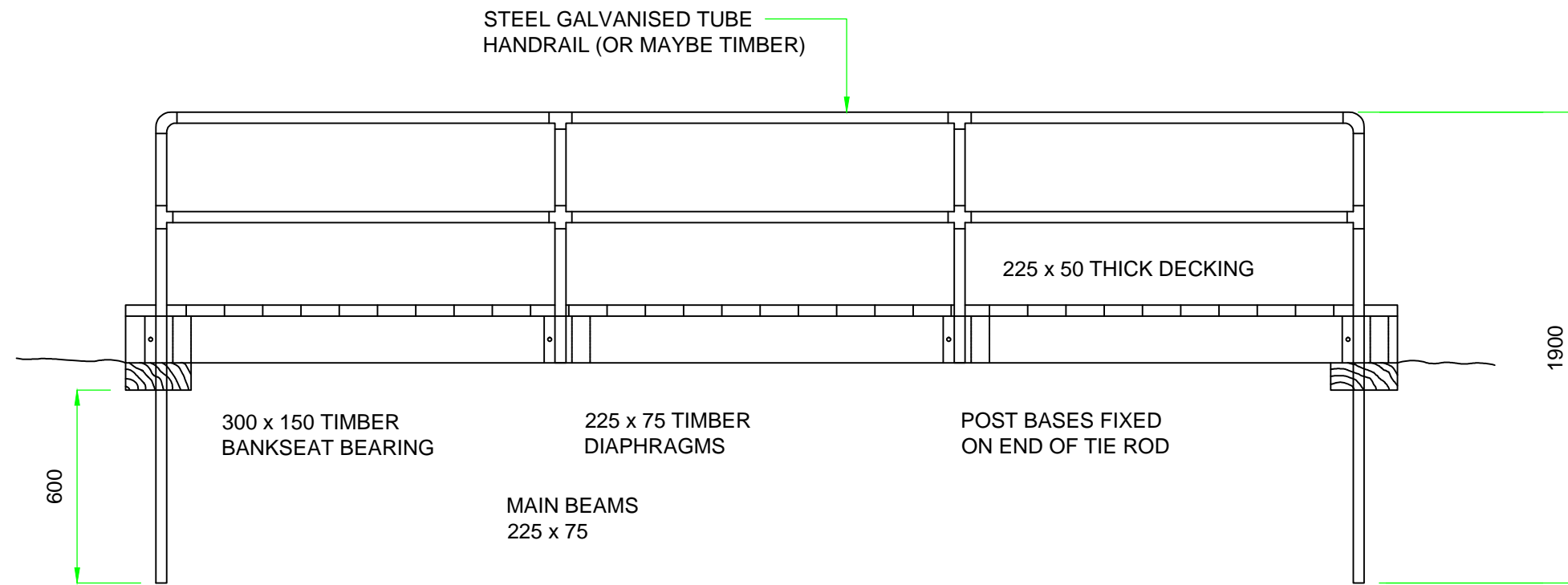
DRAWING TITLE **STANDARD PEDESTRIAN PLANK FOOTBRIDGE**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-2600-001** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL TIMBER SHALL BE IN ACCORDANCE WITH CLAUSES 306 & 311 OF THE MCHW AND BS EN 351-1:1996.
3. ALL METAL PARTS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE MCHW 300 SERIES AND BS 5709:2006.
4. HANDRAILS ARE TO BE KEE KLAMP SIZE 8 OR EQUIVALENT.
5. ENDS OF BRIDGES TO BE 0 TO 75 MM ABOVE GROUND LEVEL. FOR SLOPING SITES HEIGHTS ABOVE GROUND LEVEL TO BE AGREED BY THE OVERSEEING ORGANISATION.
6. END POSTS OF HANDRAILS TO BE DRIVEN INTO BANKS.
7. IF BRIDGE IS 3 METRES OR LESS, THEN NO INTERMEDIATE UPRIGHT ON HAND-RAIL(S).
8. IF BRIDGE IS BETWEEN 3 METRES AND 4 METRES THEN ONE INTERMEDIATE UPRIGHT HANDRAIL-POST, TO BE CENTRED.
9. IF BRIDGE IS 4 METRES OR OVER THEN INTERMEDIATE UPRIGHT HANDRAIL-POSTS ARE TO BE SPACED EVENLY BETWEEN 2 AND 3 METRES APART.
10. ALL HAND-RAILS ARE TO HAVE AN INTERMEDIATE RAIL AT 1100MM HIGH FOR FOOTPATHS AND THE TOP-RAIL AT 1400MM HIGH FOR BRIDLEWAYS.
11. HAND-RAILS ARE TO BE PROVIDED ON BOTH SIDES.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

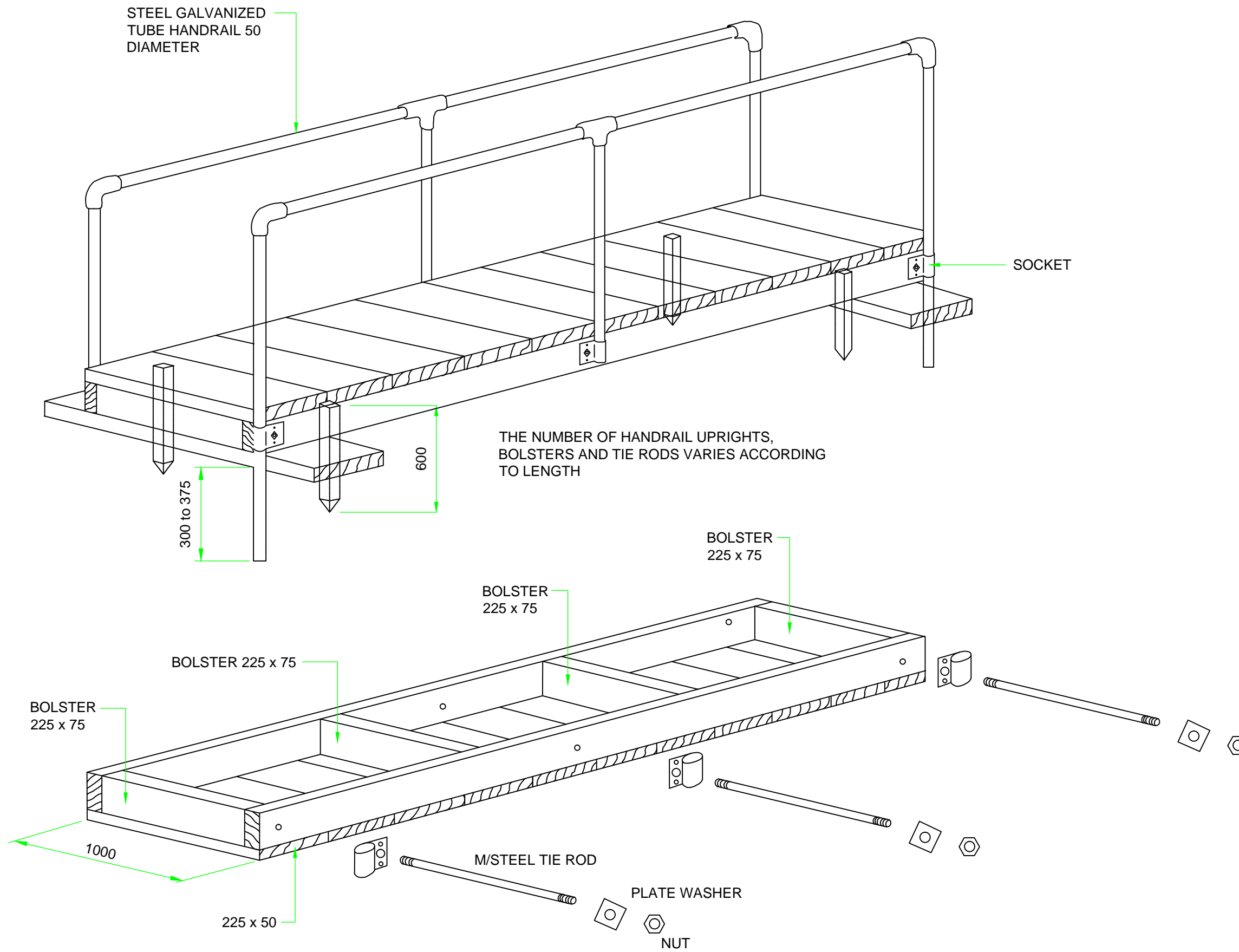
DRAWING TITLE **STANDARD TIMBER FOOTBRIDGE TYPE 2**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-2600-002** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL TIMBER SHALL BE IN ACCORDANCE WITH CLAUSES 306 & 311 OF THE MCHW AND BS EN 351-1:1996.
3. ALL METAL PARTS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE MCHW 300 SERIES AND BS 5709:2006.
4. HANDRAILS ARE TO BE KEE KLAMP SIZE 8 OR EQUIVALENT.
5. ENDS OF BRIDGES TO BE 0 TO 75 MM ABOVE GROUND LEVEL. FOR SLOPING SITES HEIGHTS ABOVE GROUND LEVEL TO BE AGREED BY THE OVERSEEING ORGANISATION.
6. END POSTS OF HANDRAILS TO BE DRIVEN INTO BANKS.
7. IF BRIDGE IS 3 METRES OR LESS, THEN NO INTERMEDIATE UPRIGHT ON HAND-RAIL(S).
8. IF BRIDGE IS BETWEEN 3 METRES AND 4 METRES THEN ONE INTERMEDIATE UPRIGHT HANDRAIL-POST, TO BE CENTRED.
9. IF BRIDGE IS 4 METRES OR OVER THEN INTERMEDIATE UPRIGHT HANDRAIL-POSTS ARE TO BE SPACED EVENLY BETWEEN 2 AND 3 METRES APART.
10. ALL HAND-RAILS ARE TO HAVE AN INTERMEDIATE RAIL AT 1100MM HIGH FOR FOOTPATHS AND THE TOP-RAIL AT 1400MM HIGH FOR BRIDLEWAYS.
11. HAND-RAILS ARE TO BE PROVIDED ON BOTH SIDES.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

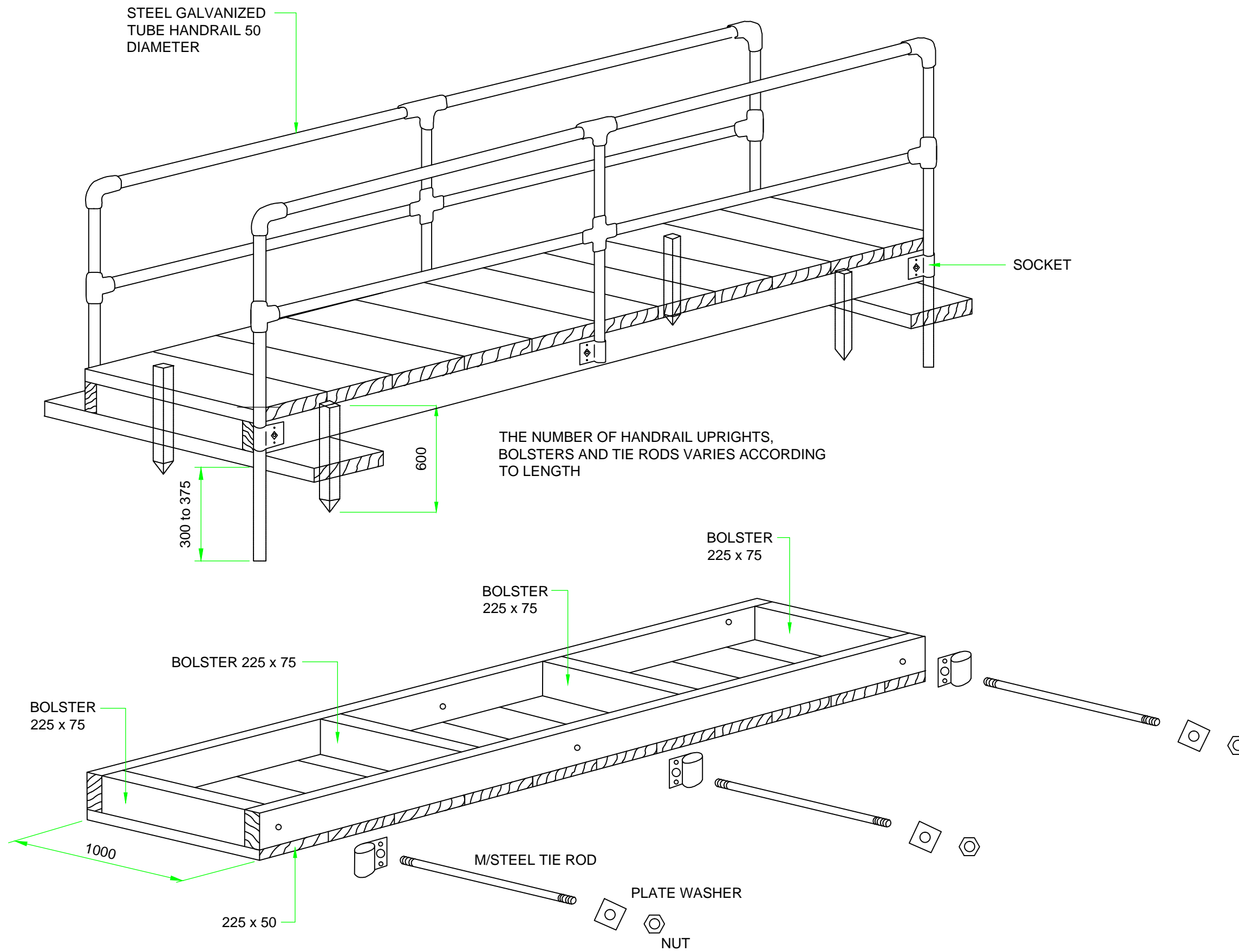
DRAWING TITLE **STANDARD PEDESTRIAN BRIDGE - DECKED TYPE 3**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-2600-003** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL TIMBER SHALL BE IN ACCORDANCE WITH CLAUSES 306 & 311 OF THE MCHW AND BS EN 351-1:1996.
3. ALL METAL PARTS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE MCHW 300 SERIES AND BS 5709:2006.
4. HANDRAILS ARE TO BE KEE KLAMP SIZE 8 OR EQUIVALENT.
5. ENDS OF BRIDGES TO BE 0 TO 75 MM ABOVE GROUND LEVEL. FOR SLOPING SITES HEIGHTS ABOVE GROUND LEVEL TO BE AGREED BY THE OVERSEEING ORGANISATION.
6. END POSTS OF HANDRAILS TO BE DRIVEN INTO BANKS.
7. IF BRIDGE IS 3 METRES OR LESS, THEN NO INTERMEDIATE UPRIGHT ON HAND-RAIL(S).
8. IF BRIDGE IS BETWEEN 3 METRES AND 4 METRES THEN ONE INTERMEDIATE UPRIGHT HANDRAIL-POST, TO BE CENTRED.
9. IF BRIDGE IS 4 METRES OR OVER THEN INTERMEDIATE UPRIGHT HANDRAIL-POSTS ARE TO BE SPACED EVENLY BETWEEN 2 AND 3 METRES APART.
10. ALL HAND-RAILS ARE TO HAVE AN INTERMEDIATE RAIL AT 1100MM HIGH FOR FOOTPATHS AND THE TOP-RAIL AT 1400MM HIGH FOR BRIDLEWAYS.
11. HAND-RAILS ARE TO BE PROVIDED ON BOTH SIDES.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

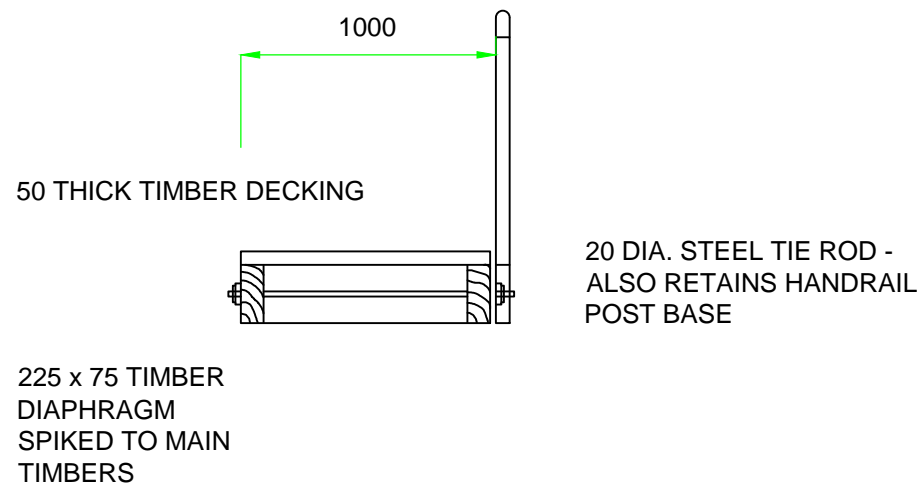
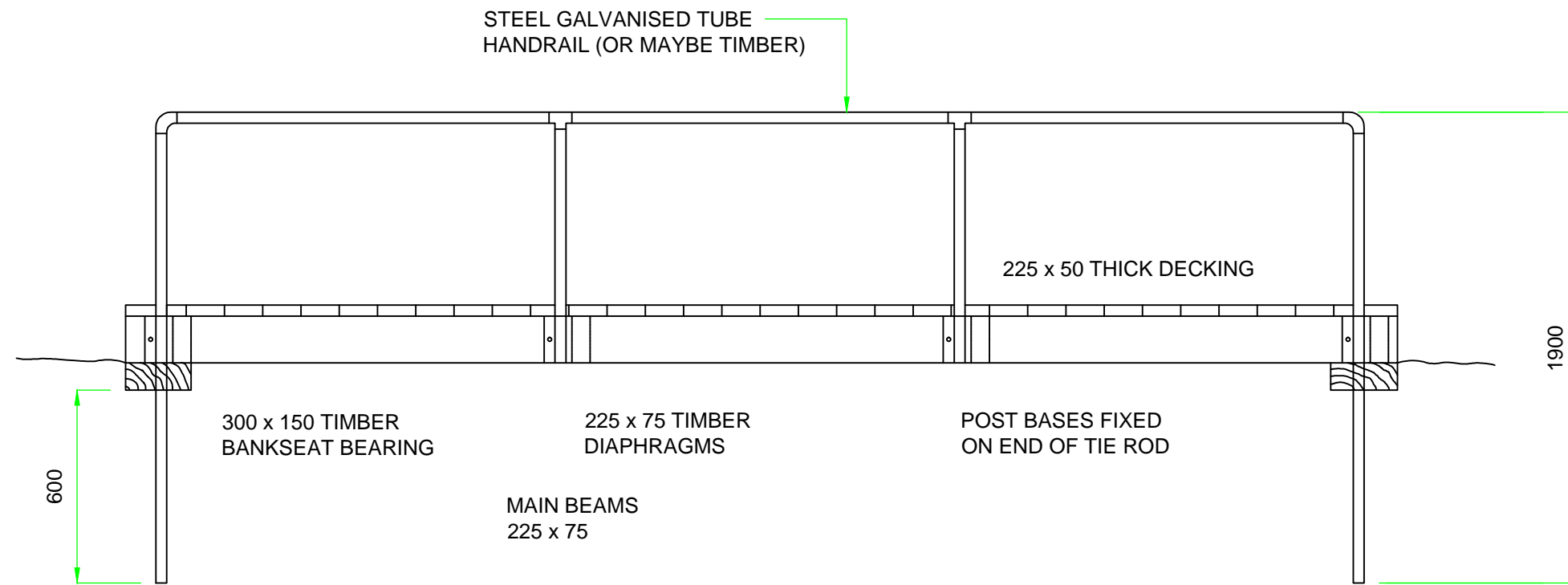
DRAWING TITLE **STANDARD PEDESTRIAN BRIDGE - DECKED TYPE 3**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-2600-004** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL TIMBER SHALL BE IN ACCORDANCE WITH CLAUSES 306 & 311 OF THE MCHW AND BS EN 351-1:1996.
3. ALL METAL PARTS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE MCHW 300 SERIES AND BS 5709:2006.
4. HANDRAILS ARE TO BE KEE KLAMP SIZE 8 OR EQUIVALENT.
5. ENDS OF BRIDGES TO BE 0 TO 75 MM ABOVE GROUND LEVEL. FOR SLOPING SITES HEIGHTS ABOVE GROUND LEVEL TO BE AGREED BY THE OVERSEEING ORGANISATION.
6. END POSTS OF HANDRAILS TO BE DRIVEN INTO BANKS.
7. IF BRIDGE IS 3 METRES OR LESS, THEN NO INTERMEDIATE UPRIGHT ON HAND-RAIL(S).
8. IF BRIDGE IS BETWEEN 3 METRES AND 4 METRES THEN ONE INTERMEDIATE UPRIGHT HANDRAIL-POST, TO BE CENTRED.
9. IF BRIDGE IS 4 METRES OR OVER THEN INTERMEDIATE UPRIGHT HANDRAIL-POSTS ARE TO BE SPACED EVENLY BETWEEN 2 AND 3 METRES APART.
10. ALL HAND-RAILS ARE TO HAVE AN INTERMEDIATE RAIL AT 1100MM HIGH FOR FOOTPATHS AND THE TOP-RAIL AT 1400MM HIGH FOR BRIDLEWAYS.
11. HAND-RAILS ARE TO BE PROVIDED ON BOTH SIDES.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

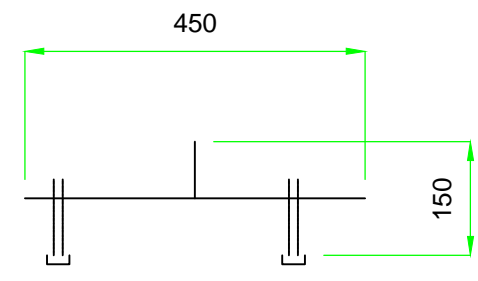
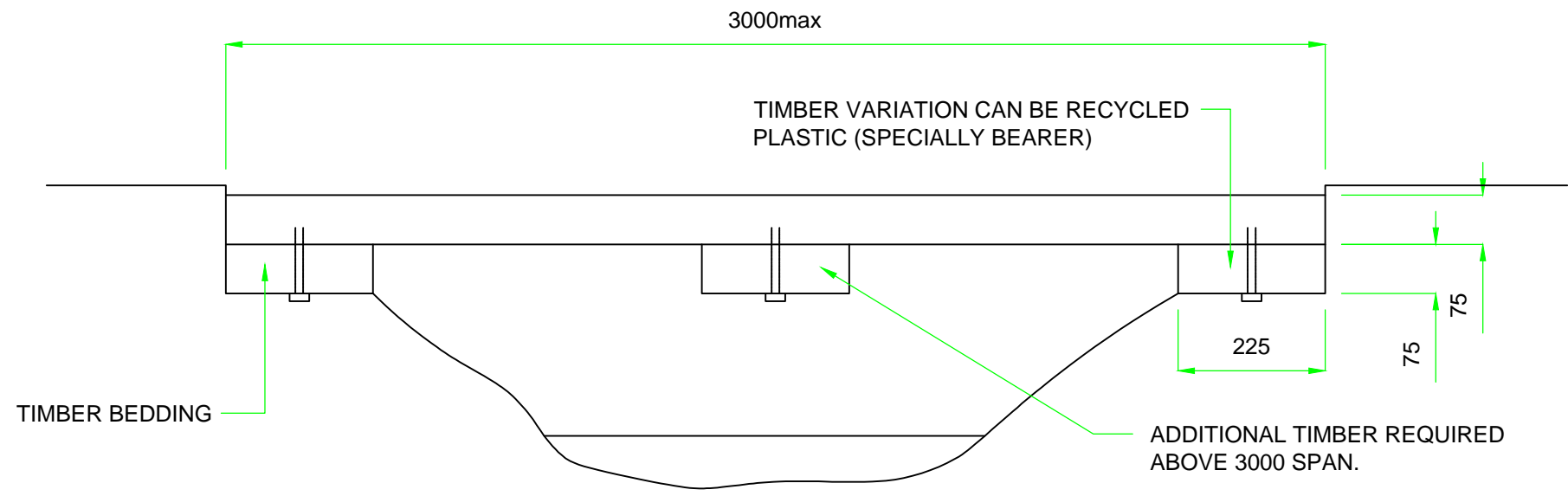
DRAWING TITLE **STANDARD TIMBER FOOTBRIDGE TYPE 2**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-2600-005** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL TIMBER TO BE SOUND AND TREATED IN PRESERVATIVE.
3. SIZE AND LAYOUT TO BE AGREED ON SITE.
4. AN OPTIONAL HANDRAIL MAY BE PROVIDED ON ONE OR BOTH SIDES, USING KEE KLAMP SIZE 8 FITTINGS OR EQUIVALENT.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

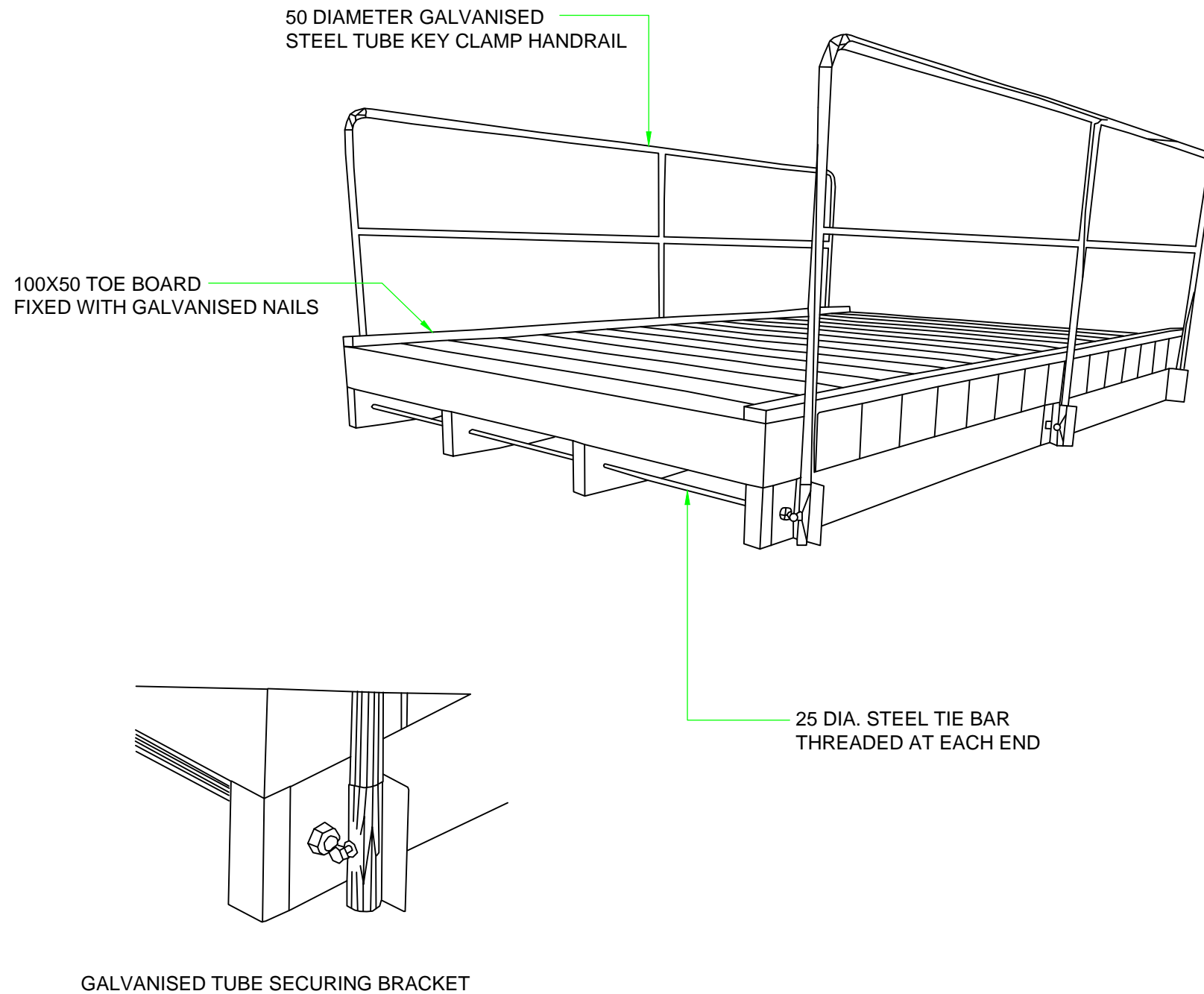
DRAWING TITLE **STANDARD TIMBER FOOTBRIDGE TYPE 1**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-2600-006** REV. **-**





NOTES

1. DO NOT SCALE FROM DRAWING.
2. ALL TIMBER SHALL BE IN ACCORDANCE WITH CLAUSES 306 & 311 OF THE MCHW AND BS EN 351-1:1996.
3. ALL METAL PARTS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE CLAUSES IN THE MCHW 300 SERIES AND BS 5709:2006.
4. HANDRAILS ARE TO BE KEE KLAMP SIZE 8 OR EQUIVALENT.
5. ENDS OF BRIDGES TO BE 0 TO 75 MM ABOVE GROUND LEVEL. FOR SLOPING SITES HEIGHTS ABOVE GROUND LEVEL TO BE AGREED BY THE OVERSEEING ORGANISATION.
6. END POSTS OF HANDRAILS TO BE DRIVEN INTO BANKS.
7. IF BRIDGE IS 3 METRES OR LESS, THEN NO INTERMEDIATE UPRIGHT ON HAND-RAIL(S).
8. IF BRIDGE IS BETWEEN 3 METRES AND 4 METRES THEN ONE INTERMEDIATE UPRIGHT HANDRAIL-POST, TO BE CENTRED.
9. IF BRIDGE IS 4 METRES OR OVER THEN INTERMEDIATE UPRIGHT HANDRAIL-POSTS ARE TO BE SPACED EVENLY BETWEEN 2 AND 3 METRES APART.
10. ALL HAND-RAILS ARE TO HAVE AN INTERMEDIATE RAIL AT 1100MM HIGH FOR FOOTPATHS AND THE TOP-RAIL AT 1400MM HIGH FOR BRIDLEWAYS.
11. HAND-RAILS ARE TO BE PROVIDED ON BOTH SIDES.
12. DECKING NEEDS TO BE A MINIMUM OF 100MM X 250MM TIMBER TO STRENGTH CLASS D40.

Rev	Date	Description of revision	Drawn	Checked	Reviewed	Approved

DRAWING STATUS **APPROVED**



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SCHEME TITLE **STANDARD DETAILS**

DRAWING TITLE **BRIDLEWAY BRIDGE**

DESIGNED	DRAWN	CHECKED	REVIEWED	APPROVED
EH	IS	EH/ECC	EH	ECC
DATE	DATE	DATE	DATE	DATE
AUG 18	AUG 18	FEB 19	FEB 19	FEB 19

DRAWING UNITS U.N.O. DIMENSIONS IN MILLIMETRES LEVELS IN METRES SCALE AT A3 (420x297mm) **N.T.S**

DRAWING No. **ECC-SD-2600-007** REV. **-**

