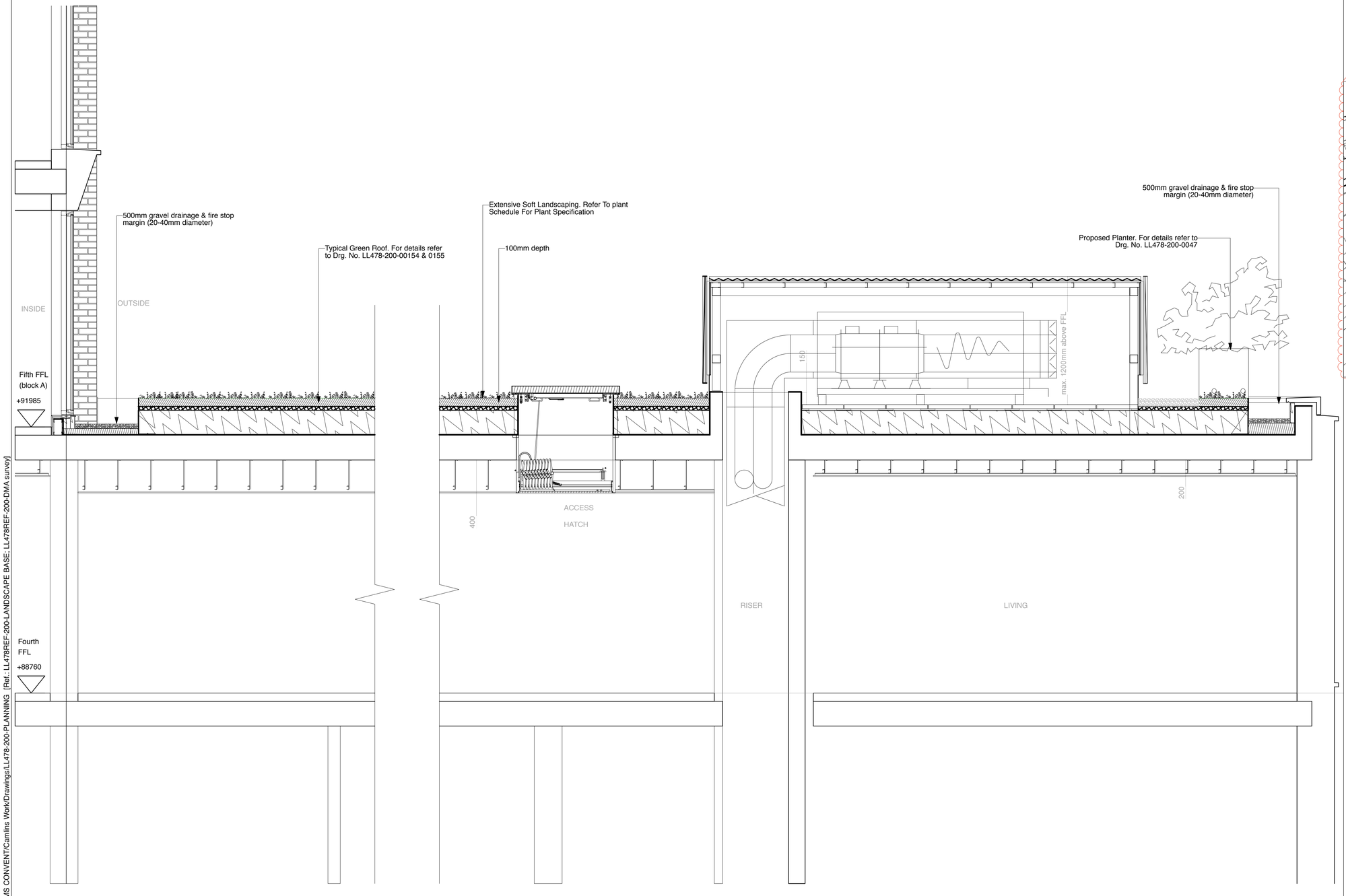

Typical Section of Roof Block A
Scale 1:25 at A1

NOTES

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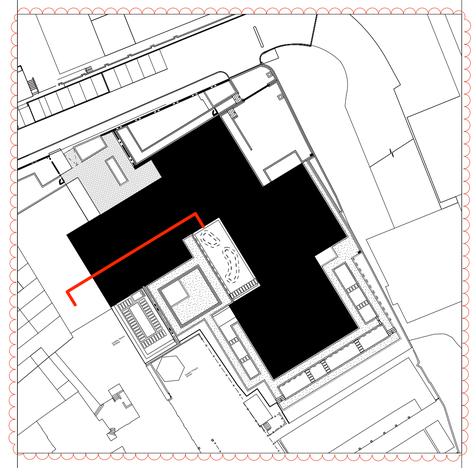
KEY PLAN



Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	Details reviewed key plan updated	JN	AN

0.5m 0m 0.5m 1m 1.5m
Scale 1:25

PLANNING

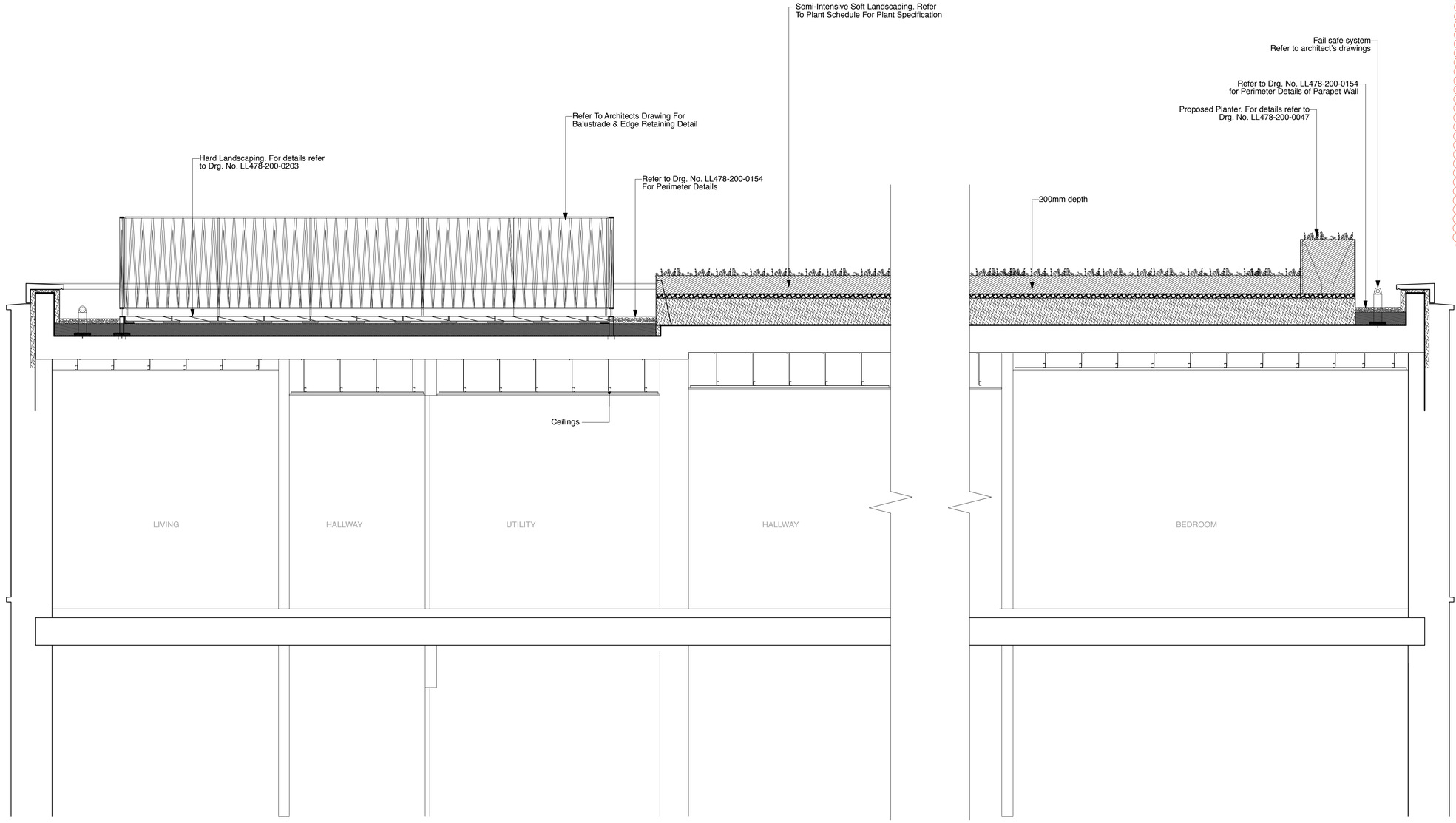
HAMPSTEAD GREEN
PEGASUSLIFE

Block A - Typical Roof Section

Drawing No.	Revision	Scale	Date
LL478-200-0151	A	1:25@A1	22.12.2015

Drawn by	Checked by
JS	AN

Camlins
Landscape Architects, New Dolanog House, Severn Road, Welshpool, Powys, SY21 7AP
Tel: 01938 554886 / studio@camlins.com / www.camlins.com



Typical Section of Roof Block C
Scale 1:25 at A1

NOTES

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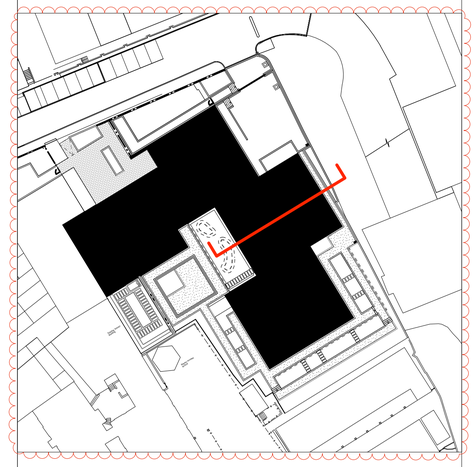
KEY PLAN



Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	Details reviewed, key plan updated	JN	AN

0.5m 0m 0.5m 1m 1.5m
Scale 1:25

PLANNING

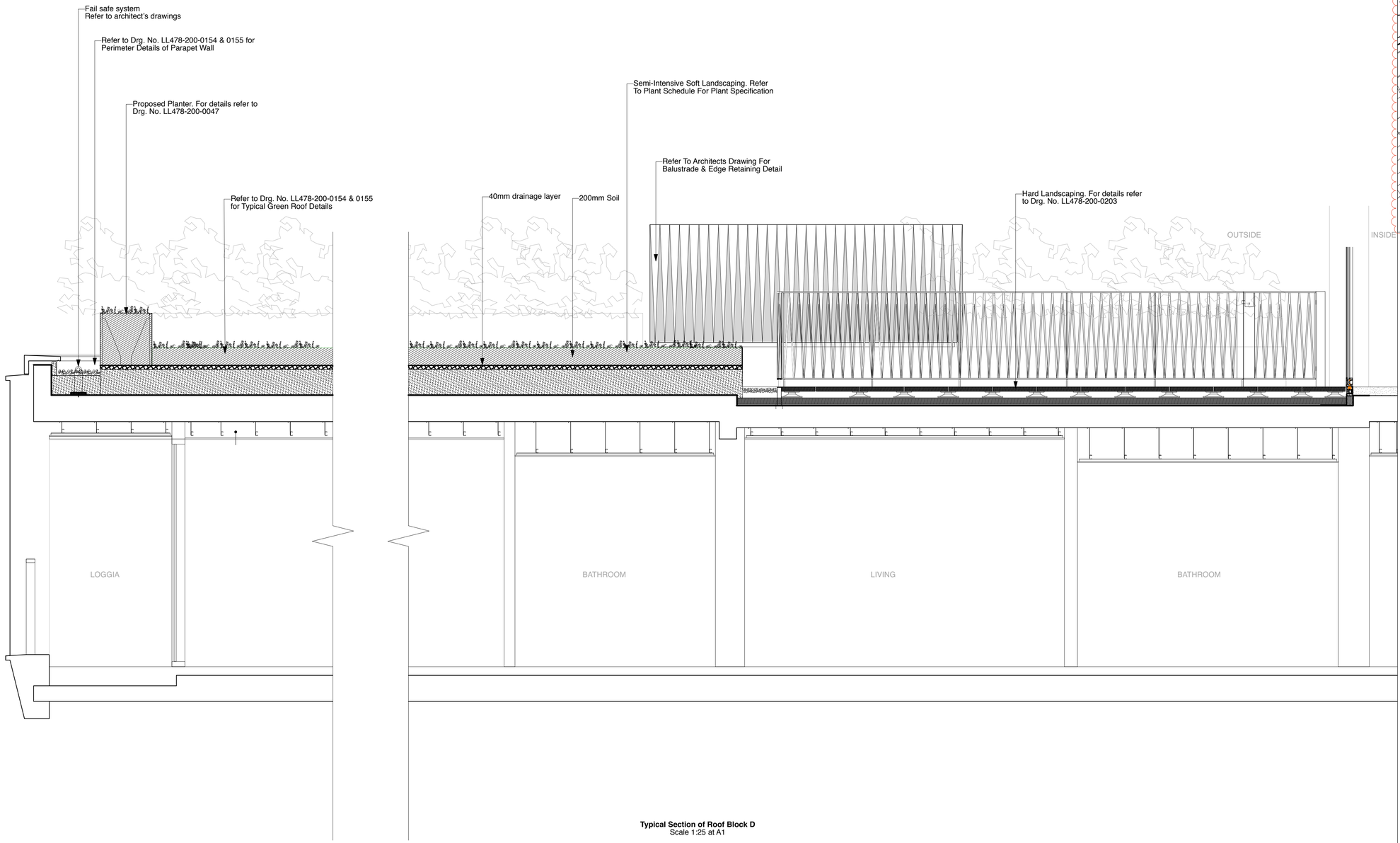
HAMPSTEAD GREEN
PEGASUSLIFE

Block C - Typical Roof Section

Drawing No.	Revision	Scale	Date
LL478-200-0152	A	1:25@A1	22.12.2015

Drawn by	Checked by
JS	AN

Camlins
Landscape Architects, New Dolanog House, Severn Road, Welshpool, Powys, SY21 7AP
Tel: 01938 554886 / studio@camlins.com / www.camlins.com



Typical Section of Roof Block D
Scale 1:25 at A1

NOTES

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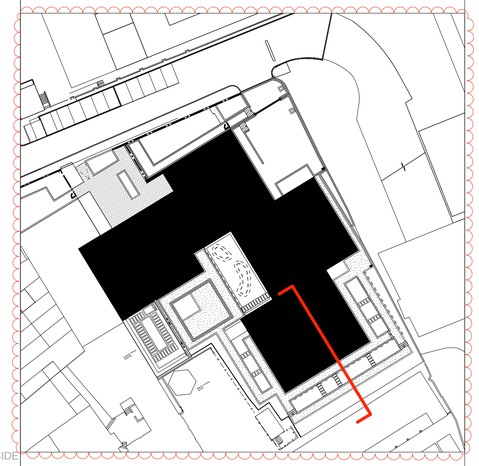
KEY PLAN



Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	Key plan updated	JN	AN

0.5m 0m 0.5m 1m 1.5m
Scale 1:25

PLANNING

HAMPSTEAD GREEN
PEGASUSLIFE

Block D - Typical Roof Section

Drawing No.	Revision	Scale	Date
LL478-200-0153	A	1:25@A1	22.12.2015

Drawn by	Checked by
JS	AN

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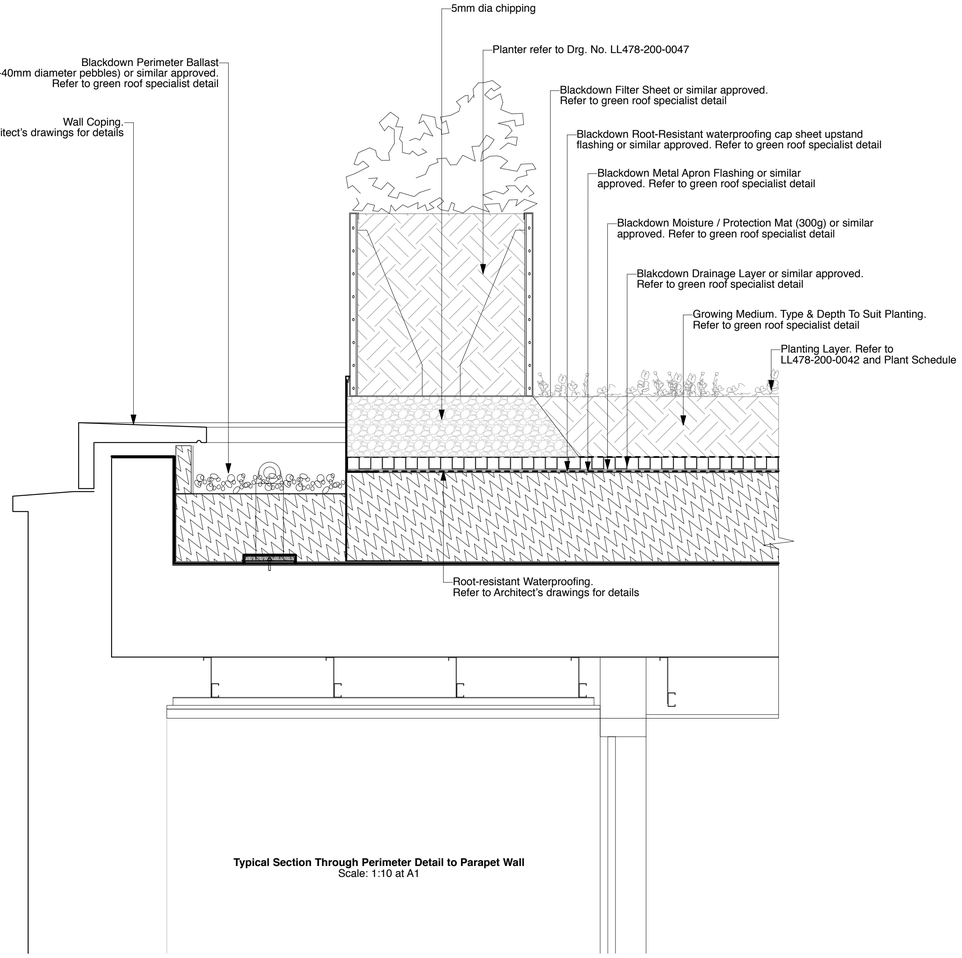
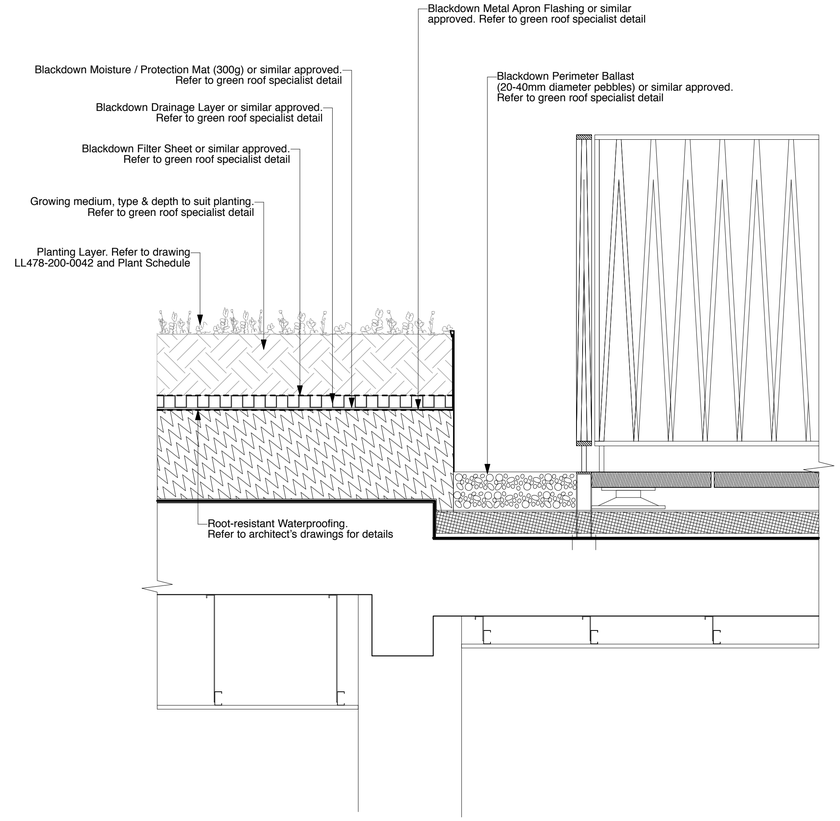
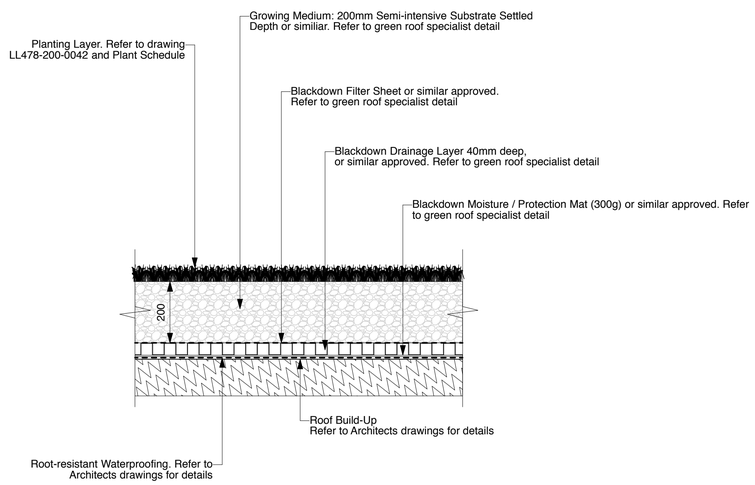


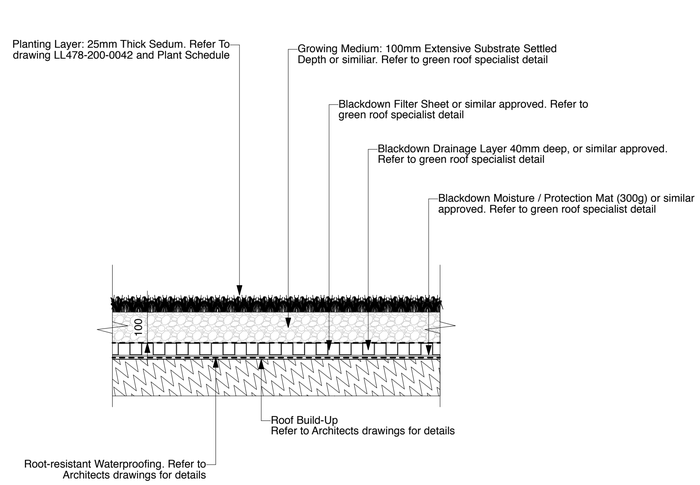
Typical Section Through Perimeter Detail to Parapet Wall
Scale: 1:10 at A1



Typical Section Through Semi-Intensive Green Roof System And Paving Threshold
Scale: 1:10 at A1



Typical Section Through Semi-Intensive Green Roof System
Scale: 1:10 at A1



Typical Section Through Extensive Green Roof System
Scale: 1:10 at A1

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NOTES

GREEN ROOF
Refer to Drg. No. LL478-200-0078, LL478-200-0079, LL478-200-0080, LL478-200-0041
For Extent And Location

Possible Supplier
Blackdown Green Roofs,
Street Ash Nursery,
Combe St Nicholas,
Chard,
Sommerset,
UK
TA20 3H2

Tel: 01460 234582
Email: enquires@blackdown.co.uk

Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	- Details reviewed	JN	AN

100mm 0mm 200mm 400mm 600mm 800mm
Scale 1:10

PLANNING

HAMPSTEAD GREEN
PEGASUSLIFE

Perimeter To Parapet Wall & Green Roof Build-Up Details For Blocks A,C & D

Drawing No.	Revision	Scale	Date
LL478-200-0154	A	1:10@A1	22.12.2015

Drawn by	Checked by
JS	AN

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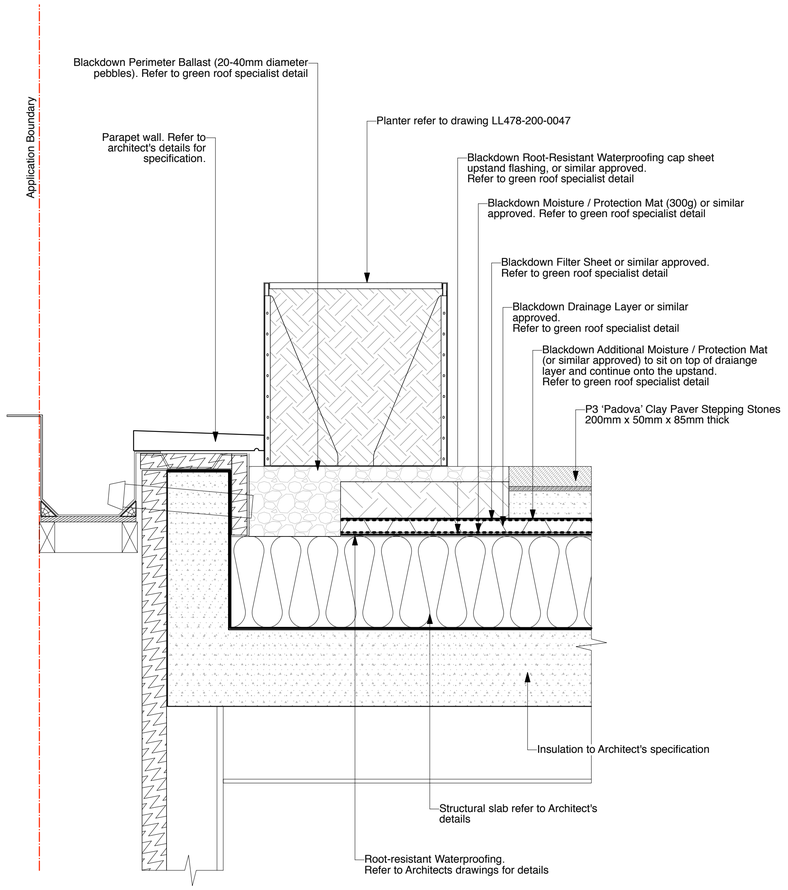
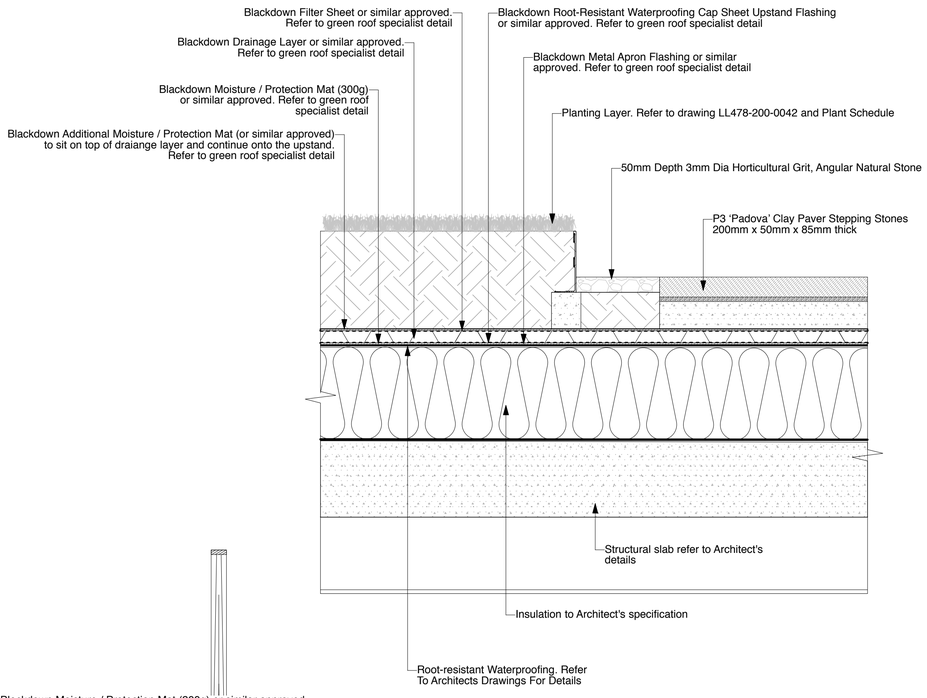
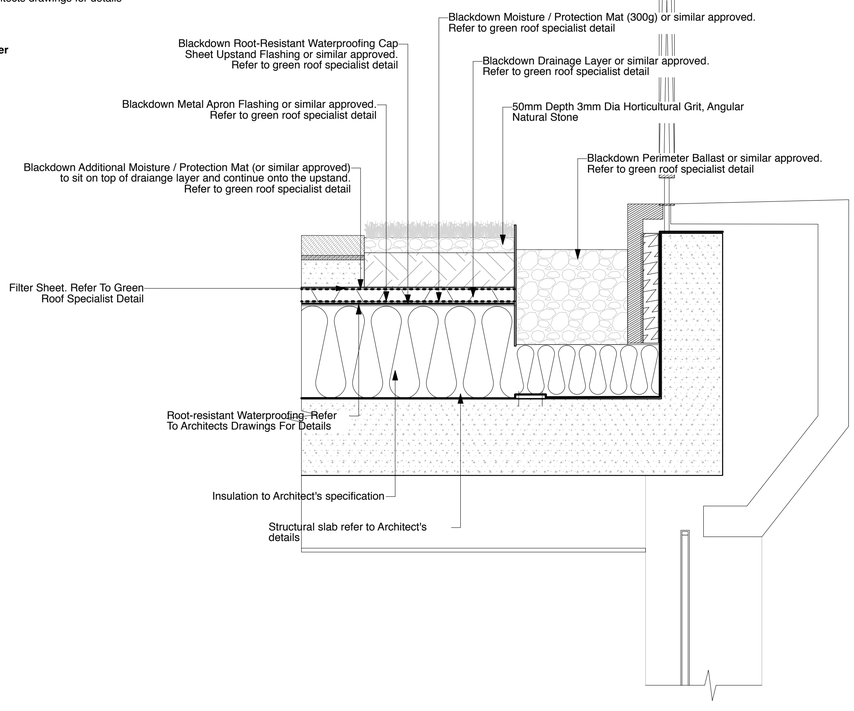


Typical Section Through Herb Garden Planter
Scale: 1:10 at A1



Typical Section Through Herb Garden Semi-Intensive Green Roof System
Scale: 1:10 at A1



Typical Section Through Herb Garden Extensive Green Roof System
Scale: 1:10 at A1

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NOTES

GREEN ROOF
Refer to Drg. No. LL478-200-0078, LL478-200-0079, LL478-200-0080, LL478-200-0041
For Extent And Location

Possible Supplier
Blackdown Green Roofs,
Street Ash Nursery,
Combe St Nicholas,
Chard,
Sommerset,
UK
TA20 3H2

Tel: 01460 234582
Email: enquires@blackdown.co.uk

Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	- Details reviewed	JN	AN

100mm 0mm 200mm 400mm 600mm 800mm
Scale 1:10

PLANNING

HAMPSTEAD GREEN
PEGASUSLIFE

Green Roof Build-Up Details For Herb Garden

Drawing No.	Revision	Scale	Date
LL478-200-0155	A	1:10@A1	25.06.2015

Drawn by	Checked by
JS	AN

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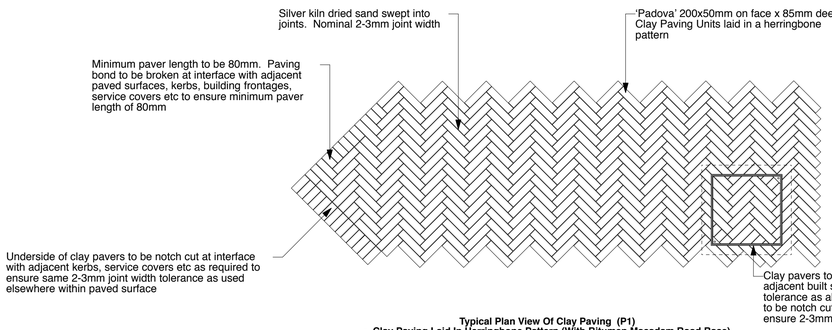
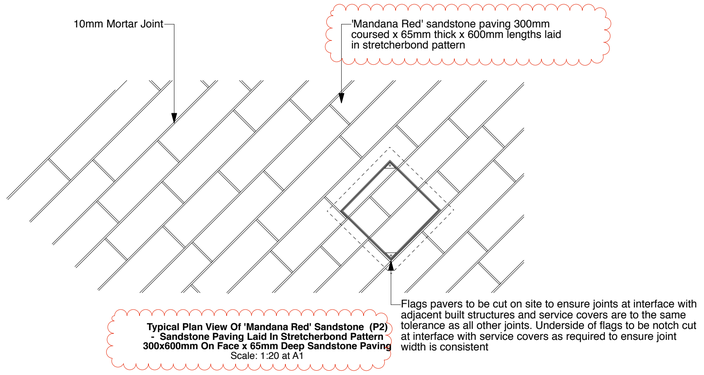
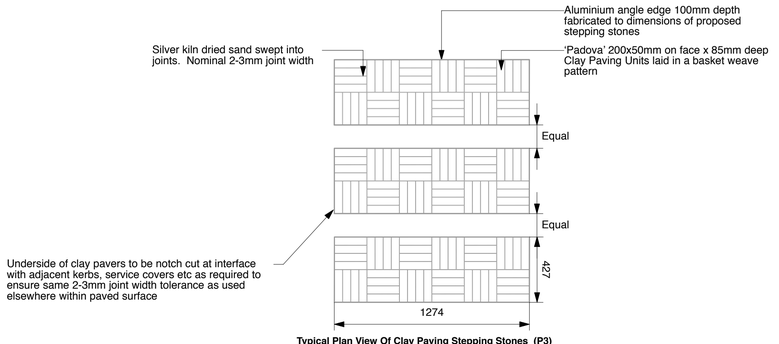


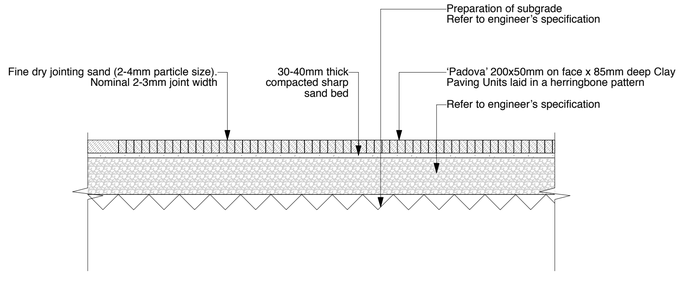
Typical Plan View Of Clay Paving (P1)
- Clay Paving Laid In Herringbone Pattern (With Bitumen Macadam Road Base)
200x50mm On Face x 85mm Deep 'Astra Tumbled' Clay Paving
Scale: 1:20 at A1



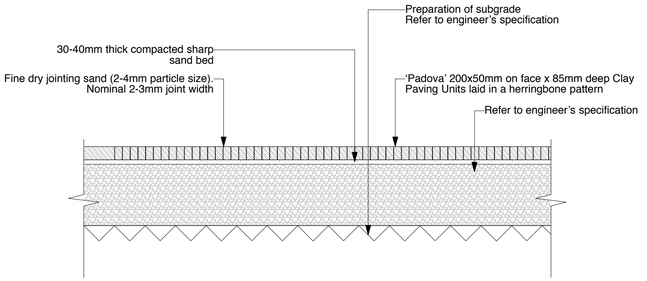
Typical Plan View Of 'Mandana Red' Sandstone (P2)
- Sandstone Paving Laid In Stretcherbond Pattern
300x600mm On Face x 65mm Deep Sandstone Paving
Scale: 1:20 at A1



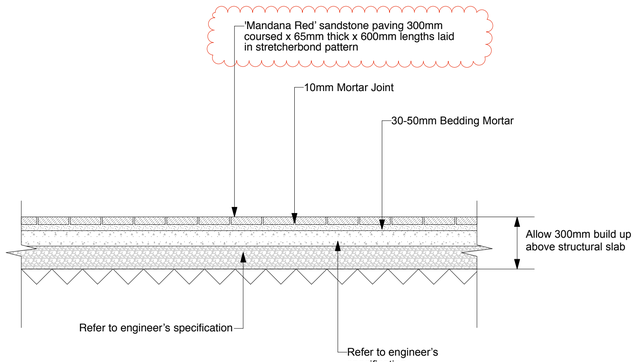
Typical Plan View Of Clay Paving Stepping Stones (P3)
- Clay Paving Laid In Basket Weave Pattern Within Stepping Stone Frame
200x50mm On Face x 85mm 'Padova' Clay Paving
Scale: 1:20 at A1



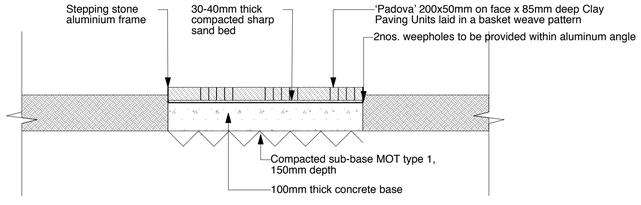
Typical Section Through Clay Paving (P1) - Pedestrian Access Only
- Clay Paving Laid In Herringbone Pattern
200x50mm On Face x 85mm Deep Clay Paving
Scale: 1:20 at A1



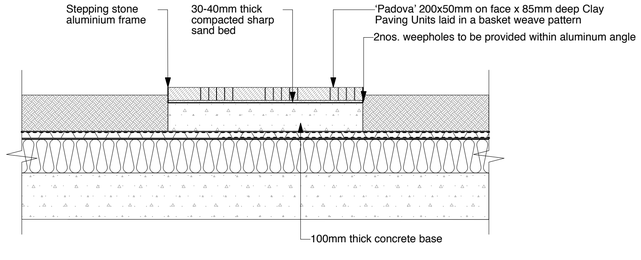
Typical Section Through Clay Paving (P1) - Vehicle Access
- Clay Paving Laid In Herringbone Pattern
200x50mm On Face x 85mm Deep Clay Paving
Scale: 1:20 at A1



Typical Section Through 'Mandana Red' Sandstone (P2)
- Sandstone Paving Laid In Stretcherbond Pattern
300x600mm On Face x 65mm Deep Sandstone Paving
Scale: 1:20 at A1



Typical Section Through Clay Paving Stepping Stones (P3)
- Clay Paving Laid In Basket Weave Pattern Within Stepping Stone Frame
200x50mm On Face x 85mm 'Padova' Clay Paving, Above Natural Grade
Scale: 1:20 at A1



Typical Section Through Clay Paving Stepping Stones (P3)
- Clay Paving Laid In Basket Weave Pattern Within Stepping Stone Frame
200x50mm On Face x 85mm 'Padova' Clay Paving, Above Structure
Scale: 1:20 at A1

'MANDANA RED' SANDSTONE FLAGS (P2)
300mm coursed x 65mm thickness x 600mm lengths
Sandstone to be sandblasted to top face. All sawn finishes to visible faces to be honed as necessary to remove saw marks.
Flags to be laid so as to achieve an even and smooth pedestrian surface to the approval of the Landscape Architect.
Joints to be 5mm width. Joint width tolerance to be minimum 3mm maximum 7mm to accomodate flag manufacture tolerance (+/- 2mm). Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accomodate any inconsistencies in stone shape.
Flag Joints
Laid in regular pattern as shown. Joints to be 10mm width.
Jointing Grout
Jointing grout to be 40N/mm2 minimum compressive strength at time when first trafficked by vehicles. Grout to be applied as a flowable slurry (rather than gun applied). Grout to comply with BS 7533.
Colour of grout to complement stone colour and to be approved by Employer.
Bed Mortar
Nom. 30mm thickness of bedding mortar.
Bedding Mortar to be 30N/mm2 minimum compressive strength at the time when first trafficked by vehicles.
Max. 10mm bedding mortar permitted within joints.
Base
Concrete base to Enginner's specification.
Sub-Base
To Engineer's Specification.
Back Fill
Material arising from site excavations to Engineers specification. Assumed minimum 15% CBR after compaction.
Furniture
All railings, benches, litter bins, bollards, cycle stands and other elements of public realm furniture to be secured by root fixing. Root to be secured into suitably sized hole cored into finished paved surface and filled with grout. Core for root fixing to be through completed and grouted paved surface.

CBR
The paving details shown assume a CBR of 2%. If ground investigations indicate a higher CBR, the proposed capping layer / sub-base thicknesses should be reduced accordingly. This reduction is to be reflected by the Contractor in the costs.

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NOTES

CLAY PAVING (P1)
200x50mm on face x 85mm deep clay paving laid in herringbone pattern.
P1 'Padova' as supplied by Hardscape
Joints to be 3mm width. Joint width tolerance to be minimum 1mm maximum 5mm to accomodate flag manufacture tolerance (+/- 2mm). Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accomodate any inconsistencies in stone shape.

CLAY PAVING STEPPING STONES (P3)
200x50mm on face x 85mm deep clay paving laid in a basket weave pattern within stepping stone frame.
P3 'Padova' as supplied by Hardscape
Joints to be 3mm width. Joint width tolerance to be minimum 1mm maximum 5mm to accomodate flag manufacture tolerance (+/- 2mm). Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accomodate any inconsistencies in stone shape.

Possible Supplier
Hardscape Ltd, Unit 25, Long Marsden Industrial Estate, Stratford Upon Avon, CV37 8QR.
www.hardscape.co.uk
Contact: Dave Lowe Email: dl@hardscape.co.uk Tel.: 0178 972 1012 Mobile: 07734103614
Michelmersh Brick Holdings PLC
Freshfield Lane, Danehill, Sussex, RH17 7HH Tel.: 01825 790 350
http://www.mbhplc.co.uk/pavers/square-edge-pavers

Clay Paving Sealant
'Resiblock 22' sealant / binder to be utilised in order to hold sand joints in place under road sweeping / cleaning. Sealant to be applied according to manufacturers recommendations.

Sealant to be installed concurrently with pavement construction (immediately following joint installation and compaction).
Sample area of sealant to be applied to finished paved surface for the approval of the Employer prior to application over significant areas.

Possible Supplier
'Resiblock' or similar.
www.resiblock.com

Clay Paving
Clay pavers shall conform to BS EN 1344 and be 200x50mm on face and 85mm deep.
The clay pavers will meet the minimum performance criteria below:
- water absorption: Class 1
- transverse strength: Class T4
- abrasion resistance: Class A3
- frost resistance: Class FP100
- skid resistance: Class U3

Laying Of Clay Paving
Pavers to be laid so as to achieve an even and smooth pedestrian surface to the approval of the Employer. Construction of pavements in clay pavers shall be in accordance with BS 7533-3: 2005.
Clay pavers shall be laid in accordance with manufacturers advice and recommendations.
Pavers shall be selected from at least 3 seperate packs in rotation to avoid colour banding.
Prior to use the pavers shall be stored on hard ground and protected from saturation.
Dry pavers shall be laid with a minimum joint width. Larger joint widths may be used to maintain the bond pattern only. Pavers shall not be laid touching each other. In order to maintain the line of the desired bond a thread line should be placed at regular distances.
Any uneveness of the laid surface shall be confined to 7mm maximum when checked with a 3m rule to avoid the ponding of water.
Pavers shall be compacted as work proceeds but after infilling at the edges and the edge restraint / kerb haunchings have matured. Before commencing the compaction process a fine dry jointing sand (particle size 2-4mm) compliant with BS 7533 Part 3 shall be brushed into the joints.
Compaction to comply with BS 7533 Part 3. Uncompacted areas shall not be left at the end of the working period. The pavers shall be compacted by using a vibrating plate compactor with a rubber soleplate to avoid any damage to the paved surface.
After initial compaction further layers of sand (particle size 2-4mm) shall be applied over the entire surface. The sand must be brushed into the joints followed by further compaction. This procedure should be repeated until the joints are entirely filled. After each compaction any damaged pavers shall be removed and replaced. Any unevenness or differences in height shall be re-adjusted. No site traffic or vehicles shall be permitted on the paved area until compaction and jointing is fully completed.

Clay Paving Joints
Fine dry jointing sand (2-4mm particle size). Nominal 2-3mm joint width. Joint width tolerance to be maximum 5mm. Where applicable joints to be staggered by minimum 50mm not including joint. Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accomodate any inconsistencies in paver shape.

Clay Paving Bed
Sand for bedding shall comply with BS 7533 Part 3.
The bedding course shall be 30-50mm thick after compaction and shall be true to line and level.
A minimum of 1m and a maximum of 3m shall be prepared in advance of the laying work.
A maximum of 1m to be left at the end of the working area.

Cutting Of Clay Paving
Clay pavers to be cut neatly and accurately to achieve a straight uniform apperance which corresponds with adjacent pavers. Where required pavers to be rotated against direction of coursing to avoid small cuts and acute angles adjacent to edges. Minimum length of cut pavers to be 80mm at end of courses.

Adverse Weather Conditions
Pavers shall not be laid or jointed if the temperature is below 3°C on a falling thermometer or 1°C on a rising thermometer. Do not use frozen materials or lay bedding on frozen or frost covered sub-bases. Stockpiled laying materials shall be protected from saturation. Exposed areas of bedding and uncompacted areas of paving shall be protected from heavy rainfall. A saturated bedding course is not permitted and shall be removed and replaced or allowed to dry before paving is laid.

Employer Approval
Samples of all paving materials to be submitted to the Employer for approval prior to ordering. Material samples submitted to the Employer are to be a true representation of that material type. Submitted samples to be retained by the Employer for reference.
In-situ sample panels of all proposed paved surfaces to be approved by the Employer prior to the laying of significant areas of that paving type. In-situ sample panels to be a minimum plan size of 2m x 2m and to demonstrate proposed laying method, paving pattern, joint tolerances, joint stagger, quality of cuts etc. Sample panel to be retained as a permanent reference of the agreed paving quality.

Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	- Paving (P2) changed to 'Mandana Red' sandstone	JN	AN

500mm 0mm 500mm 1000mm
Scale 1:20

N

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PEGASUSLIFE

Typical Paving Detail 1 of 2

Drawing No.	Revision	Scale	Date
LL478-200-0201	A	1:20@A1	22.12.2015

Drawn by	Checked by
SB	AN

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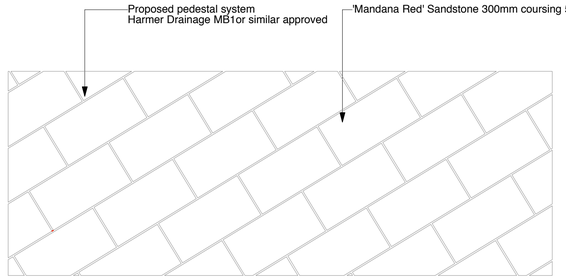
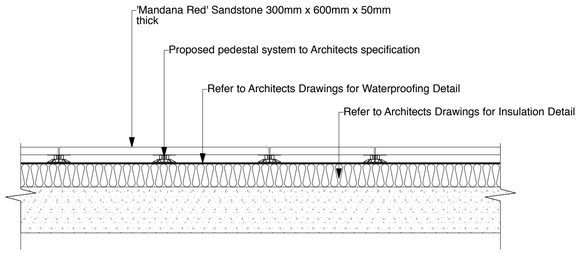
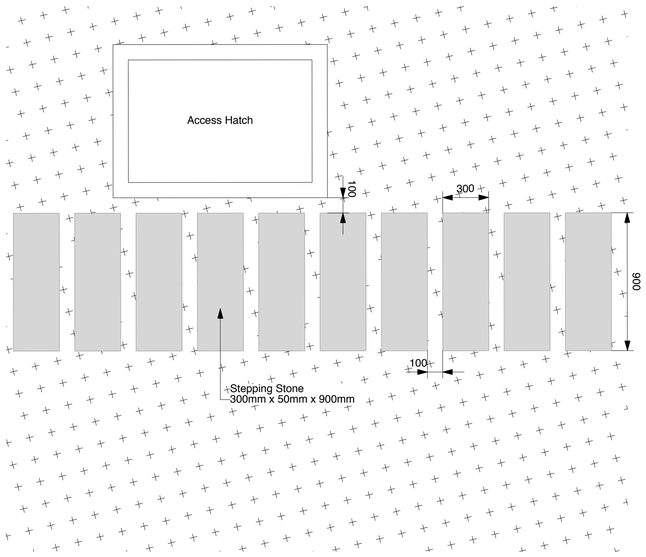
Landscape Architects, New Dolanog House, Severn Road, Welshpool, Powys, SY21 7AP
Tel: 01938 554886 / studio@camlins.com / www.camlins.com



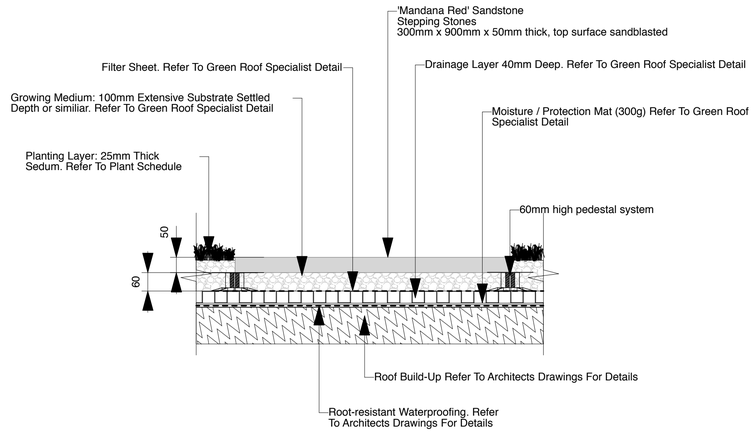
Typical Plan View Of 'Mandana Red' Sandstone (P4)
300mm Coursed x 50mm Thick x 600mm Lengths
Scale: 1:20 at A1



Typical Section Through 'Mandana Red' Sandstone Laid on Pedestal System (P4)
Scale 1:20 at A1



Typical Plan View Of 'Mandana Red' Sandstone (P5)
300mm width x 50mm thickness x 900mm length
Scale: 1:20 at A1



Typical Section Through Extensive Green (P5)
Roof Stepping Stone (Block A)
Scale: 1:10 at A1

NOTES

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4. Any ambiguities or discrepancies within this drawing and any other information given elsewhere must be reported to Camlins and the Employer for clarification before pricing work proceeds.
5. All drawings to be read in conjunction with other Camlins drawings and specification information as required.
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7. All works to be carried out in accordance with the latest British Standards and appropriate codes of practice as a minimum.

NOTES

'MANDANA RED' SANDSTONE FLAGS (P4)
300mm coursed x 600mm length x 50mm thick or similar as approved by Landscape Architect. Sandstone to be sandblasted to top face.
'MANDANA RED' SANDSTONE FLAG STEPPING STONES (P5)
300mm coursed x 900mm x 50mm thick or similar as approved by Landscape Architect. Sandstone to be sandblasted to top face.
Flags to be laid so as to achieve an even and smooth pedestrian surface to the approval of the Landscape Architect.
Flags to be selected from 4-5 palettes so as to ensure a random mix of colours.
Possible Supplier
Hardscape
Eagley House, Deakins Business Park
Egerton
Bolton, BL7 9RP
0845 260 1748
http://www.hardscape.co.uk/
Flag Joints
Flags to be laid in staggered pattern with lengths as shown. Joints to be 5mm width. Joint width tolerance to be minimum 3mm maximum 7mm to accommodate flag manufacture tolerance (+/- 2mm). Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accommodate any inconsistencies in stone shape.
Cutting Of Flags
All cuts within flags to be of the same quality as the original production masonry.
Minimum length of cut stone not to be less than the course width.
Flags to be cut on site to ensure joints at interface with service covers, adjacent built structures, furniture etc are to the same tolerance as all other joints.
Underside of all stone to be notch cut as required at interface with service covers to ensure all joints are to the same tolerance as all other joints.
Flags to be rotated against direction of coursing to avoid small cuts and acute angles adjacent to edges.
Base
Stone paving to be laid on pedestal system to architect's specification.

EMPLOYER APPROVAL
Samples of all paving materials to be submitted to the Landscape Architect for approval prior to ordering. Material samples submitted to the Employer are to be a true representation of that material type. Submitted samples to be retained by the Landscape Architect for reference.

In-situ sample panels of all proposed paved surfaces to be approved by the Landscape Architect prior to the laying of significant areas of that paving type. In-situ sample panels to be a minimum plan size of 2m x 2m and to demonstrate proposed laying method, paving pattern, joint tolerances, joint stagger, quality of cuts etc. Sample panel to be retained as a permanent reference of the agreed paving quality.

Revisions

Rev	Date	Description	Revised by	Checked by

500mm 0mm 500mm 1000mm
Scale 1:20

N

PLANNING

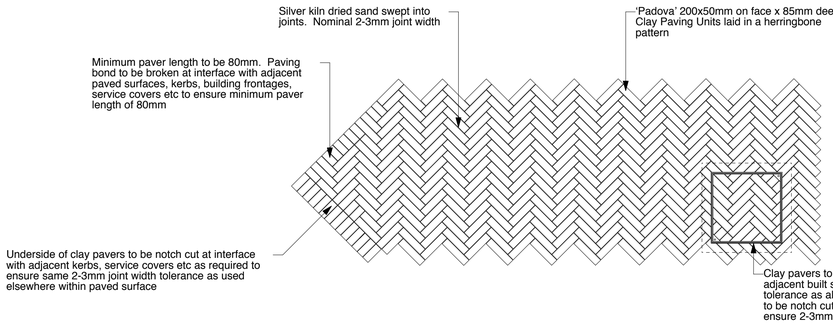
HAMPSTEAD GREEN
PEGASUSLIFE

Typical Paving Details 2 of 2

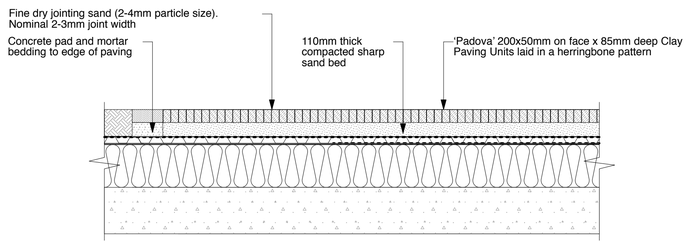
Drawing No.	Revision	Scale	Date
LL478-200-0203	-	1:20@A1	04.05.2018

Drawn by	Checked by
SB	AN

Camlins
Landscape Architects, New Dolanog House, Severn Road, Welshpool, Powys, SY21 7AP
Tel: 01938 554886 / studio@camlins.com / www.camlins.com



Typical Plan View Of Clay Paving (P1)
- Clay Paving Laid In Herringbone Pattern
200x50mm On Face x 85mm Deep Clay Paving
Scale 1:20 at A1



Typical Section Through Clay Paving (P1)
- Clay Paving Laid In Herringbone Pattern
200x50mm On Face x 85mm Deep Clay Paving
Scale: 1:20 at A1

NOTES

1. All dimensions in millimetres unless otherwise shown.
2. All levels in metres above Ordinance Datum (mAOD) unless otherwise shown.
3. All dimensions to be checked on site and any discrepancies reported to Employer before pricing / work starts.
4. Any ambiguities or discrepancies within this drawing and any other information given elsewhere must be reported to Camlins and the Employer for clarification before pricing work proceeds.
5. All drawings to be read in conjunction with other Camlins drawings and specification information as required.
6. Refer to relevant Engineer's and Architect's work packages as appropriate for confirmation of all engineering and architectural details.
7. All works to be carried out in accordance with the latest British Standards and appropriate codes of practice as a minimum.

NOTES

CLAY PAVING (P1)
200x50mm on face x 85mm deep clay paving laid in herringbone pattern.
P1 'Padova' as supplied by Hardscape
CLAY PAVING STEPPING STONES (P3)
200x50mm on face x 85mm deep clay paving laid in herringbone pattern within stepping stone frame.
P3 'Padova' as supplied by Hardscape

Possible Supplier
Hardscape Ltd, Unit 25, Long Marsden Industrial Estate, Stratford Upon Avon, CV37 8QR.
www.hardscape.co.uk
Contact: Dave Lowe Email: dl@hardscape.co.uk Tel.: 0178 972 1012 Mobile: 07734103614

Clay Paving Sealant
'Resiblock 22' sealant / binder to be utilised in order to hold sand joints in place under road sweeping / cleaning. Sealant to be applied according to manufacturers recommendations.
Sealant to be installed concurrently with pavement construction (immediately following joint installation and compaction).
Sample area of sealant to be applied to finished paved surface for the approval of the Employer prior to application over significant areas.
Possible Supplier
'Resiblock' or similar.
www.resiblock.com

Clay Paving
Clay pavers shall conform to BS EN 1344 and be 215x52mm on face and 70mm deep.
The clay pavers will meet the minimum performance criteria below:
- water absorption: Class 1
- transverse strength: Class T4
- abrasion resistance: Class A3
- frost resistance: Class FP100
- skid resistance: Class U3

Laying Of Clay Paving
Pavers to be laid so as to achieve an even and smooth pedestrian surface to the approval of the Employer. Construction of pavements in clay pavers shall be in accordance with BS 7533-3: 2005.
Clay pavers shall be laid in accordance with manufacturers advice and recommendations.
Pavers shall be selected from at least 3 seperate packs in rotation to avoid colour banding.
Prior to use the pavers shall be stored on hard ground and protected from saturation.
Dry pavers shall be laid with a minimum joint width. Larger joint widths may be used to maintain the bond pattern only. Pavers shall not be laid touching each other. In order to maintain the line of the desired bond a thread line should be placed at regular distances.
Any uneveness of the laid surface shall be confined to 7mm maximum when checked with a 3m rule to avoid the ponding of water.
Pavers shall be compacted as work proceeds but after infilling at the edges and the edge restraint / kerb haunchings have matured. Before commencing the compaction process a fine dry jointing sand (particle size 2-4mm) compliant with BS 7533 Part 3 shall be brushed into the joints.
Compaction to comply with BS 7533 Part 3. Uncompacted areas shall not be left at the end of the working period. The pavers shall be compacted by using a vibrating plate compactor with a rubber soleplate to avoid any damage to the paved surface.
After initial compaction further layers of sand (particle size 2-4mm) shall be applied over the entire surface. The sand must be brushed into the joints followed by further compaction. This procedure should be repeated until the joints are entirely filled. After each compaction any damaged pavers shall be removed and replaced. Any unevenness or differences in height shall be re-adjusted. No site traffic or vehicles shall be permitted on the paved area until compaction and jointing is fully completed.

Clay Paving Joints
Fine dry jointing sand (2-4mm particle size). Nominal 2-3mm joint width. Joint width tolerance to be maximum 5mm. Where applicable joints to be staggered by minimum 50mm not including joint. Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accomodate any inconsistencies in paver shape.

Clay Paving Bed
Sand for bedding shall comply with BS 7533 Part 3.
The bedding course shall be 30-50mm thick after compaction and shall be true to line and level.
A minimum of 1m and a maximum of 3m shall be prepared in advance of the laying work.
A maximum of 1m to be left at the end of the working area.

Cutting Of Clay Paving
Clay pavers to be cut neatly and accurately to achieve a straight uniform apperance which corresponds with adjacent pavers. Where required pavers to be rotated against direction of coursing to avoid small cuts and acute angles adjacent to edges. Minimum length of cut pavers to be 80mm at end of courses.

Adverse Weather Conditions
Pavers shall not be laid or jointed if the temperature is below 3ºC on a falling thermometer or 1ºC on a rising thermometer. Do not use frozen materials or lay bedding on frozen or frost covered sub-bases. Stockpiled laying materials shall be protected from saturation. Exposed areas of bedding and uncompacted areas of paving shall be protected from heavy rainfall. A saturated bedding course is not permitted and shall be removed and replaced or allowed to dry before paving is laid.

Aluminum Edging
Proprietary aluminum angle edging 'ExcelEdge' or similar approved.
Possible Supplier:
Kinley Systems Ltd.
Northpoint Compass Park,
Staplecross, TN32 5BS
Email; sales@kinley.co.uk
Tele; 01580 830 688

Employer Approval
Samples of all paving materials to be submitted to the Employer for approval prior to ordering. Material samples submitted to the Employer are to be a true representation of that material type. Submitted samples to be retained by the Employer for reference.
In-situ sample panels of all proposed paved surfaces to be approved by the Employer prior to the laying of significant areas of that paving type. In-situ sample panels to be a minimum plan size of 2m x 2m and to demonstrate proposed laying method, paving pattern, joint tolerances, joint stagger, quality of cuts etc. Sample panel to be retained as a permanent reference of the agreed paving quality.

Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	- Paving details updated	JN	AN

500mm 0mm 500mm 1000mm
Scale 1:20

N

PLANNING

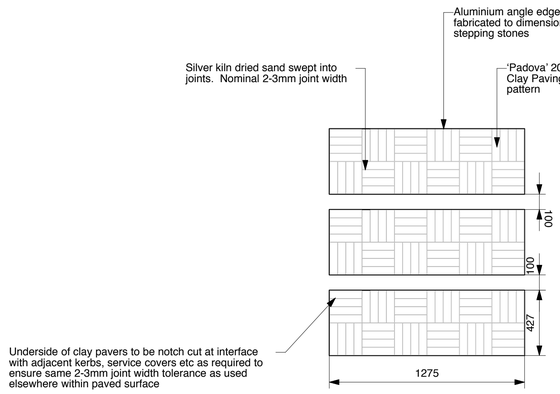
HAMPSTEAD GREEN
PEGASUSLIFE

Clay Paver Build Up Detail (Roof)

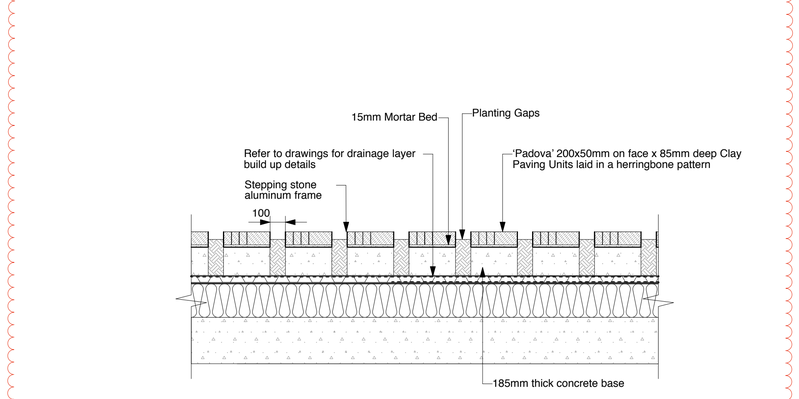
Drawing No.	Revision	Scale	Date
LL478-200-0204	A	1:20@A1	22.12.2015

Drawn by	Checked by
SB	AN

Camlins
Landscape Architects, New Dolanog House, Severn Road, Welshpool, Powys, SY21 7AP
Tel: 01938 554886 / studio@camlins.com / www.camlins.com



Typical Plan View Of Clay Paving Stepping Stones (P3)
- Clay Paving Laid In Herringbone Pattern Within Stepping Stone Frame
200x50mm On Face x 85mm Deep 'Astra Tumbled' Clay Paving
Scale: 1:20 at A1



Typical Section Through Clay Paving Stepping Stones (P3)
- Clay Paving Laid In Herringbone Pattern Within Stepping Stone Frame
200x50mm On Face x 85mm Deep 'Astra Tumbled' Clay Paving
Scale: 1:20 at A1

NOTES

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Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	- Paving details updated	JN	AN

500mm 0mm 500mm 1000mm
Scale 1:20

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PLANNING

HAMPSTEAD GREEN
PEGASUSLIFE

Green Roof Paving Detail

Drawing No.	Revision	Scale	Date
LL478-200-0205	A	1:20@A1	22.12.2015

Drawn by	Checked by
SB	AN

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Landscape Architects, New Dolanog House, Severn Road, Welshpool, Powys, SY21 7AP
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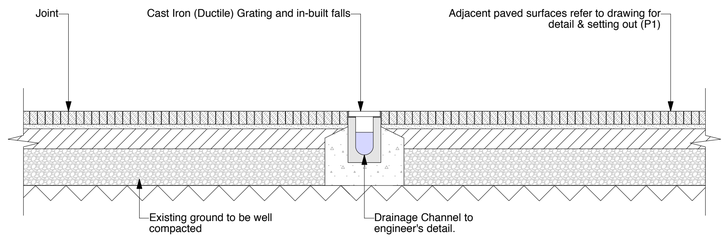
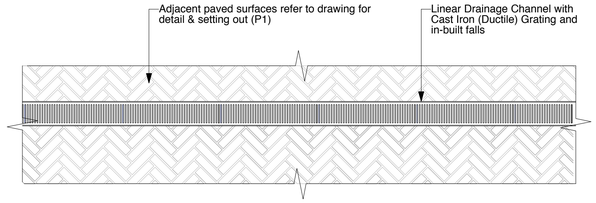
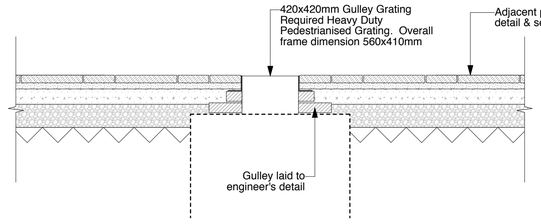


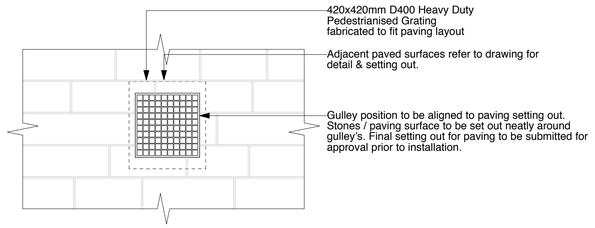
Typical Section Cast Iron (Ductile) Grating
Scale: 1:20 at A1



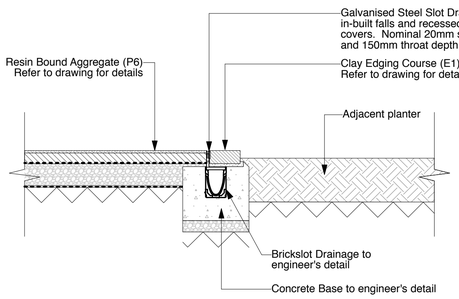
Typical Plan View Cast Iron (Ductile) Grating
Scale: 1:20 at A1



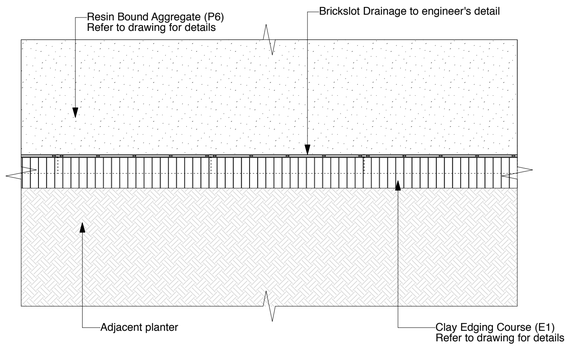
Typical Section Through D400 Heavy Duty Pedestrianised Gulley Grating (G1)
Scale: 1:20 at A1



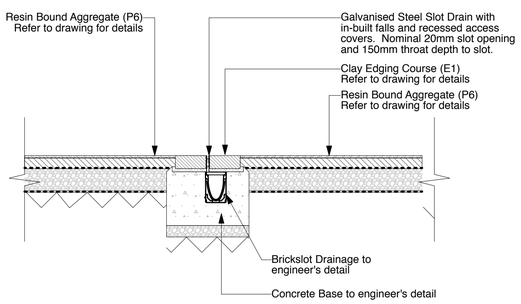
Typical Plan View Of D400 Heavy Duty Pedestrianised Gulley Grating (G1)
Scale: 1:20 at A1



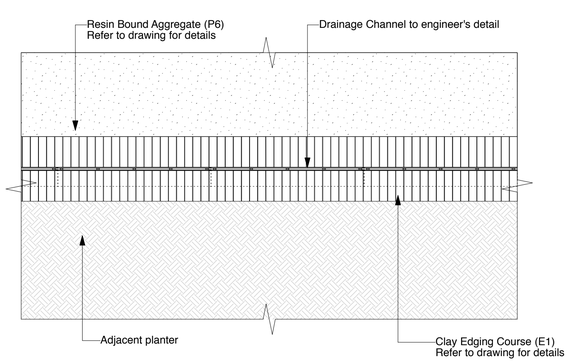
Typical Section Through Slot Drainage With Dutch Clay Edging Course
Scale: 1:20 at A1



Typical Plan View Of Slot Drainage With Dutch Clay Edging Course
Scale: 1:20 at A1



Typical Section Through Slot Drainage With Double Dutch Clay Edging Course
Scale: 1:20 at A1



Typical Plan View Of Slot Drainage With Double Dutch Clay Edging Course
Scale: 1:20 at A1

NOTES

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NOTES:

DRAINAGE CHANNEL WITH CAST IRON (DUCTILE) GRATING:
Precast Concrete Linear Drainage Channel with Cast Iron (Ductile) Gratings and in-built falls.
Cast Iron (Ductile) Gratings to be 'Heelsure' (maximum 6mm slot width).
Linear drainage channels to be Marshalls Birco 150 or similar with in-built falls.
Possible Supplier:
Marshalls Ltd
Birco 150
http://www.marshalls.co.uk/select/water-management/grid-system/birco-150

GULLEY:
420x420mm D400 Heavy Duty Gulley Grating (overall frame dimension 570x500mm) or similar.
Granite Channel dimensions to correspond with selected gulley frame dimensions.
Possible Supplier:
Peter Savage Ltd
KD50DP Gulley Grating
http://www.peter-savage.co.uk/pdfs/iron_products/drain_covers/drain_covers-D400-hinged_type.pdf

GALVANISED STEEL SLOTDRAIN
Galvanised Steel BrickSlot 100 Slotdrain with 10mm throat width and nominal 150mm throat depth.
Slotdrain to be formed from pre-galvanised sheet steel and to form v-shaped channel.
Bespoke Galvanised Steel Access Covers to be utilised. Exact dimensions to be confirmed.
Slot Drain and associated access covers to be manufactured to D400 load classification.
Possible Supplier Slotdrain:
Aco Drain 'Type 441/442 Galvanized Brickslot 100'
Slotdrain manufacturer to provide fabrication drawings for Bespoke Galvanised Steel Access Covers for approval by employer.
Exact specification of slot drain to be confirmed with Manufacturer and Engineer (capacity, flow rates, catchpits, outlets, end caps etc).

Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	- Drainage section details updated	JN	AN

500mm 0mm 500mm 1000mm
Scale 1:20

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PLANNING

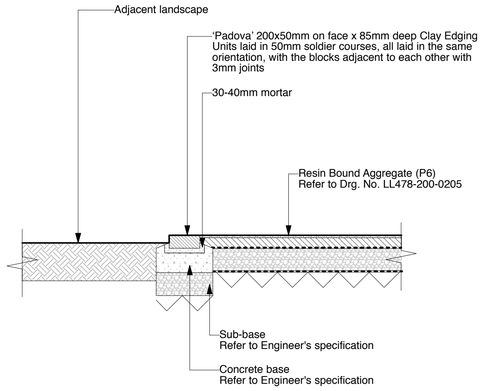
HAMPSTEAD GREEN
PEGASUSLIFE

Gulley Covers & Drainage Channel

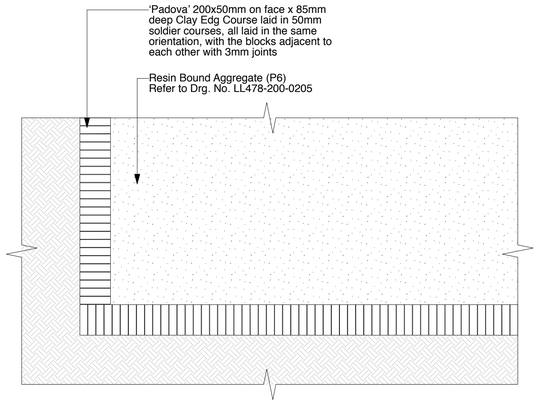
Drawing No.	Revision	Scale	Date
LL478-200-0207	A	1:20@A1	22.12.2015

Drawn by	Checked by
DR	AN

Camlins
Landscape Architects, New Dolanog House, Severn Road, Welshpool, Powys, SY21 7AP
Tel: 01938 554886 / studio@camlins.com / www.camlins.com



Typical Section Of Dutch Clay Soilder Edge Course (E1)
Scale: 1:20 at A1



Typical Plan View Of Dutch Clay Edging Laid in Soilder Course (E1)
Scale: 1:20 at A1

Precedent Image Of Dutch Clay Soilder Edge Course (E1)
Not to Scale

NOTES

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NOTES

DUTCH CLAY EDGE COURSE (E1)
200x50mm on face x 85mm deep clay edging course laid in soldier pattern.
E1 'Padova' as supplied by Hardscape
Joints to be 3mm width. Joint width tolerance to be minimum 1mm maximum 5mm to accomodate flag manufacture tolerance (+/- 2mm). Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accomodate any inconsistencies in stone shape.

Hardscape Ltd, Unit 25, Long Marsden Industrial Estate, Stratford Upon Avon, CV37 8QR.
www.hardscape.co.uk
Contact: Dave Lowe Email: dl@hardscape.co.uk Tel.: 0178 972 1012 Mobile: 07734103614
Michelmersh Brick Holdings PLC
Freshfield Lane, Danehill, Sussex, RH17 7HH Tel.: 01825 790 350
http://www.mbhplc.co.uk/pavers/square-edge-pavers

Clay Paving Sealant
'Resiblock 22' sealant / binder to be utilised in order to hold sand joints in place under road sweeping / cleaning. Sealant to be applied according to manufacturers recommendations.

Sealant to be installed concurrently with pavement construction (immediately following joint installation and compaction).
Sample area of sealant to be applied to finished paved surface for the approval of the Employer prior to application over significant areas.

Possible Supplier
'Resiblock' or similar.
www.resiblock.com

Clay Edge Course
Clay edging shall conform to BS EN 1344 and be 200x50mm on face and 85mm deep.
The clay pavers will meet the minimum performance criteria below:
- water absorption: Class 1
- transverse strength: Class T4
- abrasion resistance: Class A3
- frost resistance: Class FP100
- skid resistance: Class U3

Laying Of Clay Edge Course
Pavers to be laid so as to achieve an even and smooth pedestrian surface to the approval of the Employer. Construction of pavements in clay edging shall be in accordance with BS 7533-3: 2005.
Clay blocks shall be laid in accordance with manufacturers advice and recommendations.
Pavers shall be selected from at least 3 seperate packs in rotation to avoid colour banding.
Prior to use the pavers shall be stored on hard ground and protected from saturation.
Dry pavers shall be laid with a minimum joint width. Larger joint widths may be used to maintain the bond pattern only. Pavers shall not be laid touching each other. In order to maintain the line of the desired bond a thread line should be placed at regular distances.
Any uneveness of the laid surface shall be confined to 7mm maximum when checked with a 3m rule to avoid the ponding of water.
Pavers shall be compacted as work proceeds but after infilling at the edges and the edge restraint / kerb haunchings have matured. Before commencing the compaction process a fine dry jointing sand (particle size 2-4mm) compliant with BS 7533 Part 3 shall be brushed into the joints.
Compaction to comply with BS 7533 Part 3. Uncompacted areas shall not be left at the end of the working period. The pavers shall be compacted by using a vibrating plate compactor with a rubber soleplate to avoid any damage to the paved surface.
After initial compaction further layers of sand (particle size 2-4mm) shall be applied over the entire surface. The sand must be brushed into the joints followed by further compaction. This procedure should be repeated until the joints are entirely filled. After each compaction any damaged pavers shall be removed and replaced. Any unevenness or differences in height shall be re-adjusted. No site traffic or vehicles shall be permitted on the paved area until compaction and jointing is fully completed.

Clay Paving Joints
Fine dry jointing sand (2-4mm particle size). Nominal 2-3mm joint width. Joint width tolerance to be maximum 5mm. Where applicable joints to be staggered by minimum 50mm not including joint. Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accomodate any inconsistencies in paver shape.

Clay Paving Bed
Sand for bedding shall comply with BS 7533 Part 3.
The bedding course shall be 30-50mm thick after compaction and shall be true to line and level.
A minimum of 1m and a maximum of 3m shall be prepared in advance of the laying work.
A maximum of 1m to be left at the end of the working area.

Cutting Of Clay Paving
Clay pavers to be cut neatly and accurately to achieve a straight uniform apperance which corresponds with adjacent pavers. Where required pavers to be rotated against direction of coursing to avoid small cuts and acute angles adjacent to edges. Minimum length of cut pavers to be 80mm at end of courses.

Adverse Weather Conditions
Pavers shall not be laid or jointed if the temperature is below 3ºC on a falling thermometer or 1ºC on a rising thermometer. Do not use frozen materials or lay bedding on frozen or frost covered sub-bases. Stockpiled laying materials shall be protected from saturation.
Exposed areas of bedding and uncompacted areas of paving shall be protected from heavy rainfall. A saturated bedding course is not permitted and shall be removed and replaced or allowed to dry before paving is laid.

Employer Approval
Samples of all paving materials to be submitted to the Employer for approval prior to ordering. Material samples submitted to the Employer are to be a true representation of that material type. Submitted samples to be retained by the Employer for reference.
In-situ sample panels of all proposed paved surfaces to be approved by the Employer prior to the laying of significant areas of that paving type. In-situ sample panels to be a minimum plan size of 2m x 2m and to demonstrate proposed laying method, paving pattern, joint tolerances, joint stagger, quality of cuts etc. Sample panel to be retained as a permanent reference of the agreed paving quality.

Revisions

Rev	Date	Description	Revised by	Checked by
-	-	-	-	-

500mm 0mm 500mm 1000mm
Scale 1:20

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PLANNING

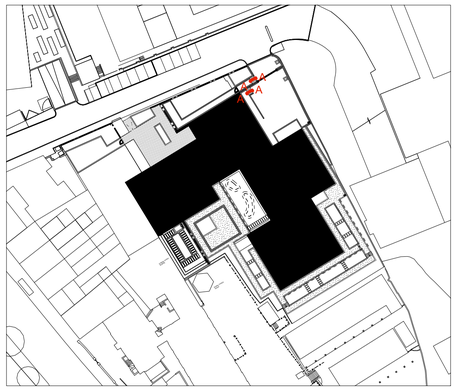
HAMPSTEAD GREEN
PEGASUSLIFE

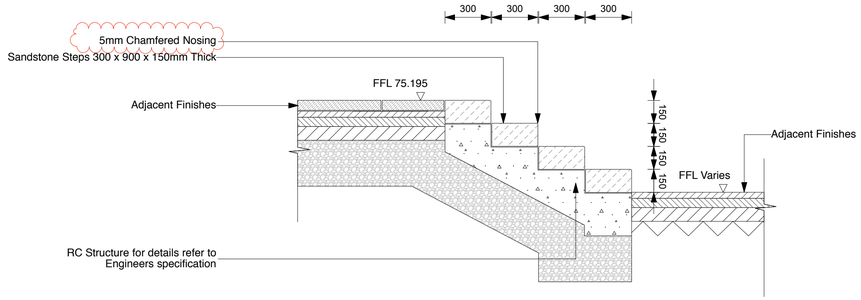
Typical Edge Detail (E1)

Drawing No.	Revision	Scale	Date
LL478-200-0209	-	1:20@A1	04.05.2018

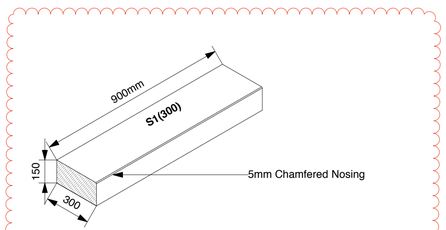
Drawn by	Checked by
JN	AN

Camlins
Landscape Architects, New Dolanog House, Severn Road, Welshpool, Powys, SY21 7AP
Tel: 01938 554886 / studio@camlins.com / www.camlins.com





Step (S1) Section A-A
Scale 1:20 at A1



Isometric View of Step S1(300)
Scale 1:20 at A1

NOTES

1. All dimensions in millimetres unless otherwise shown.
2. All levels in metres above Ordinance Datum (mAOD) unless otherwise shown.
3. All dimensions to be checked on site and any discrepancies reported to Employer before pricing / work starts.
4. Any ambiguities or discrepancies within this drawing and any other information given elsewhere must be reported to Camlins and the Employer for clarification before pricing work proceeds.
5. All drawings to be read in conjunction with other Camlins drawings and specification information as required.
6. Refer to relevant Engineer's and Architect's work packages as appropriate for confirmation of all engineering and architectural details.
7. All works to be carried out in accordance with the latest British Standards and appropriate codes of practice as a minimum.

NOTES

'Mandana Red' SANDSTONE STEPS S1(300)
300mm width x 150mm thickness x 900mm lengths sawn to all sides, 5mm chamfered nosing. Sandstone to be sandblasted to all visible faces (top and front face).
'Mandana Red' Sandstone
All sandstone to be 'Mandana Red' or similar as approved by Landscape Architect.
All visible faces to be sandblasted.
Steps to be laid so as to achieve an even and smooth pedestrian surface to the approval of the Landscape Architect.
Steps to be selected to ensure even colours.

Possible Supplier
Hardscape Ltd, Unit 25, Long Marsden Industrial Estate, Stratford Upon Avon, CV37 8QR.
www.hardscape.co.uk
Contact: Dave Lowe Email: dl@hardscape.co.uk Tel.: 0178 972 1012 Mobile: 07734103614
Sandstone Step Joints
Flags to be laid in irregular pattern with random lengths as shown. Joints to be 5mm width.
Joint width tolerance to be minimum 6mm maximum 12mm to accommodate flag manufacture tolerance (+/- 2mm). Top of joints to be even throughout and nominally flush with absolutely minimal recess as necessary to accommodate any inconsistencies in stone shape.
Cutting Of Stone
All cuts within Steps to be of the same quality as the original production masonry.
Minimum length of cut stone not to be less than the course width.
Steps to be cut on site to ensure joints at interface with service covers, adjacent built structures, furniture etc are to the same tolerance as all other joints.
Underside of all stone to be notch cut as required at interface with service covers to ensure all joints are to the same tolerance as all other joints.
Jointing Grout & Bedding Mortar
Jointing grout to be 40N/mm2 minimum compressive strength at time when first trafficked.
Colour of grout to complement stone colour and to be approved by Landscape Architect.
Nominal 40mm thickness of bedding mortar.
Bedding Mortar to be 30N/mm2 minimum compressive strength at the time when first trafficked.
Max. 10mm bedding mortar permitted within joints.
Bedding, priming and jointing mortar system to BS 7533. All joints to be installed as flowable slurry grout and according to manufacturers recommendations. Prior to installation Contractor to confirm proposed installation and cleaning method with Landscape Architect.
Possible Supplier
Parex Mortars, PAREX LTD, Restoration house, Chorley, Lancashire PR6 7DE
Contact: Greg Wright Tel.: 07823 530 688 E.mail: greg.wright@parex.co.uk
www.parex.co.uk
Base
For confirmation of paving base refer to Structural Engineers details.
180mm depth mass concrete base with no reinforcement. To be PAv2 with 40mm aggregate size and 75mm slump on separation membrane, 125 micrometres thickness.
Concrete base to be separated from adjacent structures by Polyethylene sheet. Install 10mm isolation joint between concrete slab and adjacent structures formed from compressible filler board and polysulphide sealant. Top of joint to be level with top of slab. Finished surfacing to cover joint.
Sub-Base
For confirmation of paving sub-base refer to Structural Engineers details.
220mm thickness Type 1 Granular Material to 'Specification For Highway Works' Clause 803.
Back Fill
Material arising from site excavations to Structural Engineers specification. Assumed minimum 15% CBR after compaction.
Movement & Expansion Joints
For confirmation of movement and expansion joints refer to Structural Engineers details.
Exact location of all visible movement and expansion joints to be coordinated with Landscape Architect to ensure they correspond with surface joint layout and where possible are located to peripheral areas or against significant edges to reduce visual impact.

EMPLOYER APPROVAL
Samples of all paving materials to be submitted to the Landscape Architect for approval prior to ordering. Material samples submitted to the Employer are to be a true representation of that material type. Submitted samples to be retained by the Landscape Architect for reference.

In-situ sample panels of all proposed paved surfaces to be approved by the Landscape Architect prior to the laying of significant areas of that paving type. In-situ sample panels to be a minimum plan size of 2m x 2m and to demonstrate proposed laying method, paving pattern, joint tolerances, joint stagger, quality of cuts etc. Sample panel to be retained as a permanent reference of the agreed paving quality.

Revisions

Rev	Date	Description	Revised by	Checked by
A	04.05.2018	Step (S1) changed to 'Mandana Red' sandstone specification and key plan updated	JN	AN

500mm 0mm 500mm 1000mm
Scale 1:20

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PLANNING

HAMPSTEAD GREEN
PEGASUSLIFE

Step (S1) Section

Drawing No.	Revision	Scale	Date
LL478-200-0211	A	1:20@A1	22.12.2015

Drawn by	Checked by
DR	AN

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